1431

ЦЕНТР ДАННЫХ ФОТОЯДЕРНЫХ ЭКСПЕРИМЕНТОВ

INO(CCP)241

ФОТОЯДЕРНЫЕ ДАННЫЕ

PHOTONUCLEAR DATA

ОБЗОР
АТЛАС СЕЧЕНИЙ
REVIEW
ATLAS OF CROSS SECTIONS

ФОТОРАСЩЕПЛЕНИЕ ЛИТИЯ
PHOTODISINTEGRATION OF LITHIUM

ИЗДАТЕЛЬСТВО МОСКОВСКОГО УНИВЕРСИТЕТА

1984

МОСКОВСКИЙ ОРДЕНА ЛЕНИНА, ОРДЕНА ОКТЯБРЬСКОЙ РЕВОЛЮЦИИ
И ОРДЕНА ТРУДОВОГО КРАСНОГО ЗНАМЕНИ
ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ имени М.В.ЛОМОНОСОВА

НАУЧНО-ИССЛЕДОВАТЕЛЬСКИЙ ИНСТИТУТ ЯДЕРНОЙ ФИЗИКИ

ЦЕНТР ДАННЫХ ФОТОЯДЕРНЫХ ЭКСПЕРИМЕНТОВ

В.В.Варламов, И.М.Капитонов, В.В.Сургутанов,
А.А.Хороненко, А.П.Черняев

ФОТОРАСЩЕПЛЕНИЕ ЛИТИЯ. АТЛАС СЕЧЕНИЙ
ИНФОРМАЦИОННЫЙ ОБЗОР

ИЗДАТЕЛЬСТВО МОСКОВСКОГО УНИВЕРСИТЕТА
1984

УДК 539.17

"Фоторасщепление лития. Атлас сечений".Информационный обзор. (В.В.Варламов, И.М.Капитонов, В.В.Сургутанов, А.А.Хороненко, А.П.Черняев). -М.: изд-во Моск.ун-та, 1984, 150 с.

Настоящий информационный обзор включает в себя систематизированные данные (в цифровом и графическом виде) по сечениям фотоядерных реакций на изотопах лития, опубликованные за период 1955-1982 гг.

Табл. 137, илл.113.

077(02)-84-заказная

© Издательство Московского университета,1984 г.

ЦЕНТР ДАННЫХ ФОТОЯДЕРНЫХ ЭКСПЕРИМЕНТОВ

119899 Москва, Ленинские горы, МГУ, НИИЯФ

CENTRE FOR PHOTONUCLEAR EXPERIMENTS DATA

Institute of Nuclear Physics, MSU, 119899 Moscow, USSR

Настоящий обзор подготовлен сотрудниками Центра данных фотоядерных экспериментов Научно-исследовательского института ядерной физики Московского государственного университета.

Сборник продолжает цикл информационных выпусков фотоядерных данных по различным разделам физики электромагнитных взаимодействий.

Сборник включает в себя основные результаты исследований сечений реакций фоторасщепления изотопов лития, опубликованные в научной литературе за период с 1955 по 1982 год включительно.

Физические результаты приводятся в виде таблиц и графиков. Цифровые данные записаны в ЦДФЭ НИИЯФ МГУ на магнитную ленту в международном обменном формате EXFOR.

Надеюсь, что данный и последующие информационные выпуски ЦДФЭ НИИЯФ МГУ будут способствовать прогрессу фотоядерных исследований.

Руководитель
Центра данных фотоядерных экспериментов
профессор

Б.С.ИШХАНОВ

Head
of the Centre for Photonuclear Experiments Data
Professor

B.S.ISHKHANOV

The present issue has been prepared by collaborators of the Centre for Photonuclear Experiments Data of the Institute of Nuclear Physics of the Moscow State University.

The volume opens a series of the information issues of photonuclear data on various fields of electromagnetic interaction physics.

The volume includes the main results of the studies of the reaction cross sections of lithium isotopes photodisintegration published in the literature since 1955 till 1982 inclusive.

Physical results are given in form of tables and graphs. The digital data have been recorded in the INP MSU CDFE on the magnetic tape using the EXFOR international exchange format.

I hope that this information issue and the following ones will assist in the advancement of the photonuclear science.

ФОТОРАСЩЕПЛЕНИЕ ЛИТИЯ. АТЛАС СЕЧЕНИЙ

В.В.Варламов, И.М.Капитонов, В.В.Сургутанов, А.А.Хороненко, А.П.Черняев

Научно-исследовательский институт ядерной физики МГУ, Центр данных фотоядерных экспериментов

I. ПРЕДИСЛОВИЕ

Настоящий сборник продолжает серию информационных выпусков Центра данных фотоядерных экспериментов НИИЯФ МГУ.

Сборник включает в себя результаты исследований реакций фоторасщепления изотопов лития, выполненных за последние 30 лет. Главным образом охватывается область энергий гигантских мультипольных резонансов ($E^* \leq 30$ МэВ): приводятся данные по сечениям реакций.

Результаты работ приводятся в виде таблиц и графиков. Все основные цифровые данные записаны на магнитную ленту в международном обменном формате EXFOR.

Кроме таблиц, цифровых данных и графиков сборник включает в себя библиографию работ, авторский указатель.

Данный информационный выпуск не претендует на абсолютную полноту. В него включены, в основном, наиболее известные данные, опубликованные в периодической научной литературе.

II. ТАБЛИЦЫ ЦИФРОВЫХ ДАННЫХ И ГРАФИКИ

II.1. Пояснения к таблицам

В *таблицах* в систематизированном виде приводятся цифровые данные из работ, вошедших в выпуск. Основа - информация в международном обменном формате EXFOR с магнитной ленты TRANS Li01.

По правилам формата EXFOR любая работа представляется в виде совокупности подработ, в каждой из которых содержится информация об исследованной физической величине определенного типа, например, выходе, сечении, угловом распределении и т.д. В этой связи информация в таблицах систематизирована по отдельным изотопам лития. Внутри каждого такого раздела информация рассортирована по типу реакции в следующей последовательности: (γ,abs),(γ,X),(γ,n),(γ,p),(γ,d),(γ,t),(γ,α).

Данные, полученные для лития в естественной смеси изотопов объединены с данными для изотопа ^{7}Li (распространенность - 92.5%).

PHOTODISINTEGRATION OF LITHIUM.ATLAS OF CROSS SECTIONS

V.V.Varlamov, I.M.Kapitonov, V.V.Surgutanov, A.A.Khoronenko, A.P.Chernyaev

Institute of Nuclear Physics, Moscow State University, Centre for Photonuclear Experiments Data

I. PREFACE

The present volume starts a series of information issues of the Centre for Photonuclear Experiments Data of the INP MSU.

The volume included the results of studies of the reactions of lithium isotopes photodisintegration, carried out over the last three decades. The energy region of giant multipole resonances ($E^* \leq 30$ MeV) is mainly comprised: the data on cross sections are presented.

The results are presented in form of tables and graphs. All principal digital data have been recorded on the magnetic tape using the EXFOR international exchange format.

Apart from the tables of digital data and graphs, the volume includes a bibliography and author index.

The present information issue does not claim to be very thorough. It mainly contains the well-known data published in the periodic scientific literature.

II. TABLES OF DIGITAL DATA AND GRAPHS

II.1. Explanations of the tables

The tables systematically present the digital data from the works of issue. The base - information prepared in the international exchange format EXFOR from the magnetic tape TRANS Li01.

According to the EXFOR rules, any work is presented as a set of subworks, each containing information about the physical quantity studied, e.g., yield, cross section, angular distribution, etc. In this connection the tabulated information has been systematized according to the individual lithium isotopes. Within each section information is sorted out according to the reaction type in the order: (γ,abs),(γ,X),(γ,n),(γ,p),(γ,d),(γ,t),(γ,α).

The data for natural lithium are combined with those for isotope ^{7}Li (abundance - 92.5%).

Каждая таблица, относящаяся к отдельной подработе, то есть содержащая цифровые данные о конкретной измеренной физической величине, включает в себя и некоторые общие описательные сведения, характеризующие как саму подработу, так и работу в целом. Хотя это и приводит к некоторому дублированию, однако, делает каждую таблицу в отдельности и все вместе весьма удобными для использования.

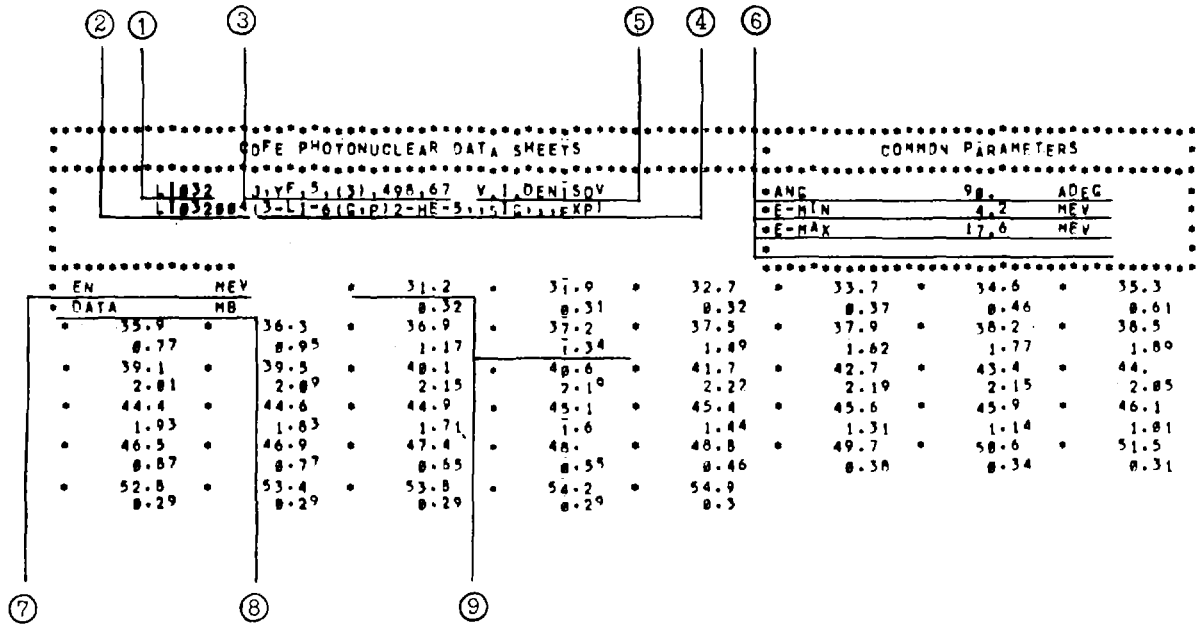
В целях более плотного расположения материала цифровые данные в таблицах приводятся по строчному принципу - значения аргументов возрастают слева-направо и сверху-вниз.

Принцип расположения информации в таблице иллюстрируется на схеме:

Each table referred to an individual subwork, i.e., containing digital data on some specific physical quantity measured, also includes general descriptive information that characterizes both the subwork itself and a work as a whole. Although these results are in any dublication, this also makes each separate table and all of them taken together highly convenient for use.

To present information in a more compact form, we give the tabulated digital data as rows, i.e., the values of arguments increase from left to right and from top to bottom.

The principle of arrangement of information is illustrated in the scheme:



В указанных полях таблицы приводится следующая информация:

① Номер работы - LINNN, где LI - код темы выпуска (LITHIUM), а NNN - трехсимвольный порядковый номер работы в библиографии.

② Номер подработы - LINNNnnn, где nnn -трехсимвольный номер данной подработы в работе с номером NNN.

In the above fields of the table, the following information is contained:

① Work number - LINNN, where LI is the code of the issue's subject-matter (LITHIUM), NNN - is the three-digit index number of the work in bibliography.

② Subwork number - LINNNnnn, where nnn is the three-digit index number of the given subwork in the work with index number NNN.

③ Ссылка – кодированное по правилам формата EXFOR обозначение печатного издания, в котором была опубликована работа, с полями:

F1, F2, VVV, pppp, YY,

где

F1 – код типа ссылки,

F2 – код ссылки,

VVV – том,

pppp – страницы,

YY – год.

Словарь кодов приводится в разделе II.2.

④ Реакция – кодированное по правилам формата EXFOR обозначение исследованной в подработе реакции

(SF1(SF2,SF3)SF4, SF5, SF6, SF7, SF8, SF9),

где

SF1 – код ядра мишени,

SF2 – код налетающей частицы,

SF3 – код частицы-продукта или символ реакции,

SF4 – код конечного ядра,

SF5 – код ветви реакции,

SF6 – код измеренной величины (параметр),

SF7 – код частицы, к которой относится параметр,

SF8 – модификатор,

SF9 – код типа данных,

По правилам формата EXFOR отдельные вспомогательные поля, разделенные запятыми, могут быть опущены.

Словарь кодов приводится в разделе II.2.

⑤ Первый автор – инициалы и фамилия первого автора работы (при наличии соавторов их данные приводятся в БИБЛИОГРАФИИ (раздел Ш)).

⑥ Общие параметры – 4 строки (COMMON PARAMETERS) для записи дополнительных сведений об условиях эксперимента.

В случае отсутствия общих сведений в соответствующих полях таблицы дается код NOCOMMON.

Словарь кодов приводится в разделе II.2.

③ Reference – coded by the EXFOR rules designation of the publication source of a work with fields:

where

F1 – code of type of reference,

F2 – code of reference,

VVV – volume,

pppp – pages,

YY – year.

The dictionary of codes is given in Section II.2.

④ Reaction – coded by EXFOR rules designation of the reaction investigated in a given work

(SF1(SF2,SF3)SF4, SF5, SF6, SF7, SF8, SF9),

where

SF1 – code of target nucleus,

SF2 – code of projectile,

SF3 – code of the product or symbol of the reaction,

SF4 – code of final nucleus,

SF5 – code of reaction branch,

SF6 – code of quantity (parameter) measured,

SF7 – code of particle, to which the parameter refers,

SF8 – modifier,

SF9 – code of data type.

According to EXFOR rules, some auxiliary fields separated by commas may be omitted.

The dictionary of codes is given in Section II.2.

⑤ First author – initials and surname of the author of a paper (co-authors if any are indicated in the BIBLIOGRAPHY (Section Ш)).

⑥ Common parameters – 4 rows (COMMON PARAMETERS) to write additional information on the experimental conditions.

When there is no such common information the code NOCOMMON is used.

The dictionary of codes is given in Section II.2.

⑦ Величины, приведенные в таблице – поле, в трех строках которого (сверху-вниз) указаны код аргумента, функции и ошибки функции, для данных, приведенных в таблице.

⑧ Единицы измерения величин, приведенных в таблице – поле, в трех строках которого указаны коды единиц измерения аргумента, функции и ошибки функции для данных, приведенных в таблице.

Словарь кодов приведен в разделе П.2.

⑨ Цифровые данные – поля таблицы, в которых приводятся численные значения аргументов, функций и ошибок функций (значения аргументов отмечены знаком "*" и возрастают слева-направо и сверху-вниз).

⑦ Quantities given in table – a field in 3 rows of which (from top to bottom) codes for argument, function and error in function are given for the data tabulated.

⑧ Units of measurement of the quantities tabulated – a field in 3 rows of which codes for the units of measurements of argument, function, and error in function for data tabulated are given.

The dictionary of codes is given in Section П.2.

⑨ Digital data – the fields of the table, in which the digital values of arguments, functions and errors in functions are given (values of arguments are asterisked "*", and increase from left to right and from top to bottom).

П.2. Словарь кодов

II.2. Dictionary of codes

КОД CODE	СОДЕРЖАНИЕ CONTENTS	
A	АЛЬФА-ЧАСТИЦА	ALPFA-PARTICLE
ABS	ПОГЛОЩЕНИЕ	ABSORPTION
ADEG	ГРАДУС	DEGREE
ANG	УГОЛ В ЛАБ. СИСТ.,	ANGLE IN LAB. SYST.
ANG-CM	УГОЛ В С.Ц.М.	ANGLE IN S.C.M.
ARB-UNITS	ОТНОСИТЕЛЬНЫЕ ВЕЛИЧИНЫ	ARBITRARY UNITS
AV	УСРЕДНЕННЫЕ (ВЕЛИЧИНЫ)	AVERAGE(VALUES)
B	БАРН	BARN
D	ДЕЙТРОН	DEUTERON
DA	ДИФФЕРЕНЦИАЛЬНОЕ СЕЧЕНИЕ	DIFFERENTIAL CROSS SECTION
DATA	ДАННЫЕ	DATA
DATA-ERR	ОШИБКИ ДАННЫХ	DATA ERRORS
E	ЭНЕРГИЯ ВТОРИЧНОЙ ЧАСТИЦЫ	SECONDARY PARTICLE ENERGY
E-EXC	ЭНЕРГИЯ ВОЗБУЖДЕНИЯ	EXCITATION ENERGY
E-LVL	ЭНЕРГИЯ УРОВНЯ (КОНЕЧНОГО ЯДРА)	(FINAL NUCLEUS) LEVELENERGY

EN	ЭНЕРГИЯ НАЛЕТАЮЩЕЙ ЧАСТИЦЫ	INCIDENT PARTICLE ENERGY
EN-MAX	МАКСИМАЛЬНАЯ ЭНЕРГИЯ ТОРМОЗНОГО ИЗЛУЧЕНИЯ	BREMSSTRAHLUNG END-POINT ENERGY
ERR	ОШИБКИ	ERRORS
EXP	ЭКСПЕРИМЕНТАЛЬНЫЕ (ВЕЛИЧИНЫ)	EXPERIMENTAL (VALUES)
G	ГАММА-КВАНТ	GAMMA-QUANTUM
MB	МИЛЛИБАРН	MILLIBARN
MEV	МЭВ	MEV
MU-B/SR	МИКРОБАРН	MICROBARN
N(0-NN-1)	НЕЙТРОН	NEUTRON
P	ПРОТОН	PROTON
PAR	ПАРЦИАЛЬНЫЙ (КАНАЛ)	PARTIAL (CHANNEL)
PER-CENT	ПРОЦЕНТ	PERCENT
REL	ОТНОСИТЕЛЬНЫЕ (ВЕЛИЧИНЫ)	RELATIVE (VALUES)
SIG	СЕЧЕНИЕ	CROSS SECTION
SR	СТЕРАДИАН	STERADIAN
SUM	СУММА	SUM
T	ТРИТОН	TRITON
X	ПОЛНОЕ СЕЧЕНИЕ РЕАКЦИИ С ВЫЛЕТОМ ЧАСТИЦ ДАННОГО ТИПА	TOTAL REACTION CROSS SECTION FOR DEFINITE TYPE OF SECONDARY PARTICLES

П.3. Пояснения к графикам

Для построения графиков использовалась специальная программа GRAF, ориентированная на работу с данными в формате EXFOR. Программа работает как с полями BIB (REACTION), так и DATA (DATA-HEAD, DATA-UNIT, DATA, DATA-ERR) соответствующей подработы (SUBENTRY) каждой работы (ENTRY).

С целью более удобного (наглядного) представления различных данных, полученных в разных масштабах, использовалась интерполяция по обеим осям графиков.

Вследствие этого графики имеют пространственный характер и не претендуют на абсолютно точное соответствие цифровым данным таблицы.

В случае наличия лишь небольшого (1-3) количества точек данных графики не приводятся.

П.3. Explanations of the graphs

For graphs drawing the special computer code GRAF was used which serve for operating with the data in EXFOR format. The code operate with the fields both BIB (REACTION) and DATA (DATA-HEAD, DATA-UNIT, DATA, DATA-ERR) of appropriate subwork (SUBENTRY) of each work (ENTRY).

With the aid of more comfortable (clear) representation of various data sets obtained in different scales the interpolation for both axes of graphs was used.

In consequence the graphs are only of illustrative character and do not claim on absolute conformity with digital data of appropriate table.

In case of only a few number (1-3) of data records the graphs do not presented.

П.4. Таблицы данных. Атлас сечений

П.4.1. Изотоп 3-LI-5

П.4. Tables of data. Atlas of cross sections

П.4.1. Isotope 3-LI-5

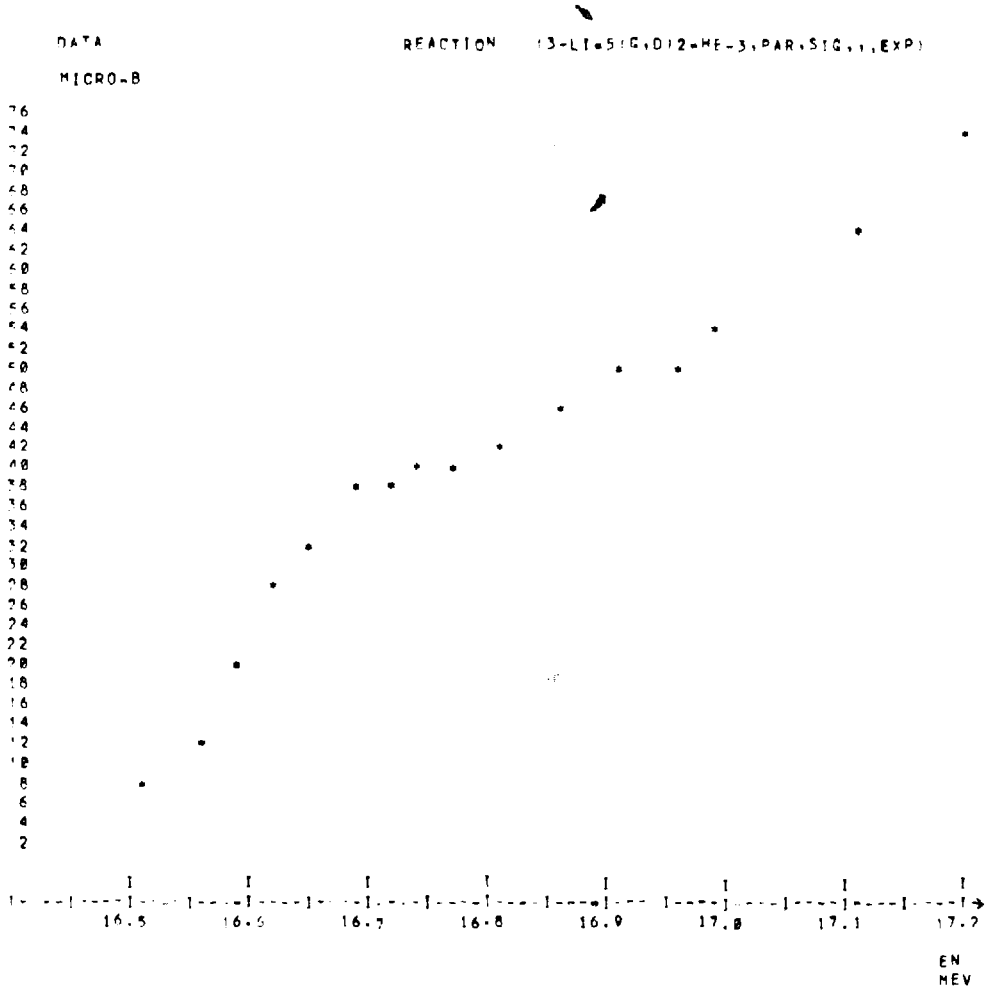
CDFE PHOTONUCLEAR DATA SHEETS

LI036 J,NP/A,12,47,68 W,BUSS
LI036002(3-LI-5(G,D)2-HE-3,PAR,SIG,,,EXP)

COMMON PARAMETERS

E-LVL B. MEV

EN DATA MEV MICRO-B								
16.72	16.74	16.77	16.81	16.86	16.91	16.96	16.99
37.	39.5	40.	40.75	45.	49.	49.	52.5
17.11	17.2						
63.5	74.						



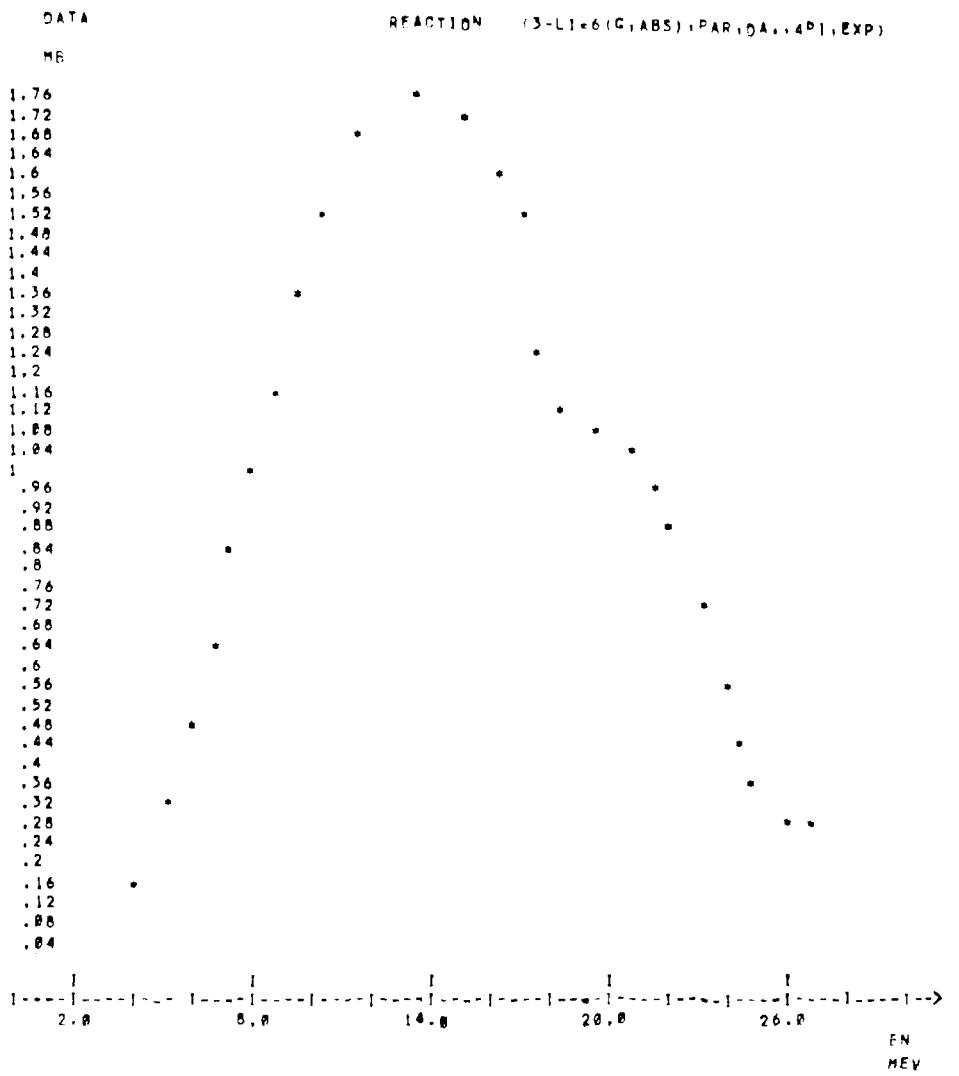
COFE PHOTONUCLEAR DATA SHEETS

LI032 J,γF,S,(3),498,67 V.P.DENISOV
LI032009(3-LI-6(G,ABS),PAR,DA,,4PI,EXP)
SUM OF THE CROSS SECTIONS FOR THE REACTIONS
(G,P0), (G,P1), (G,N0), (G,N1), (G,NP)

COMMON PARAMETERS

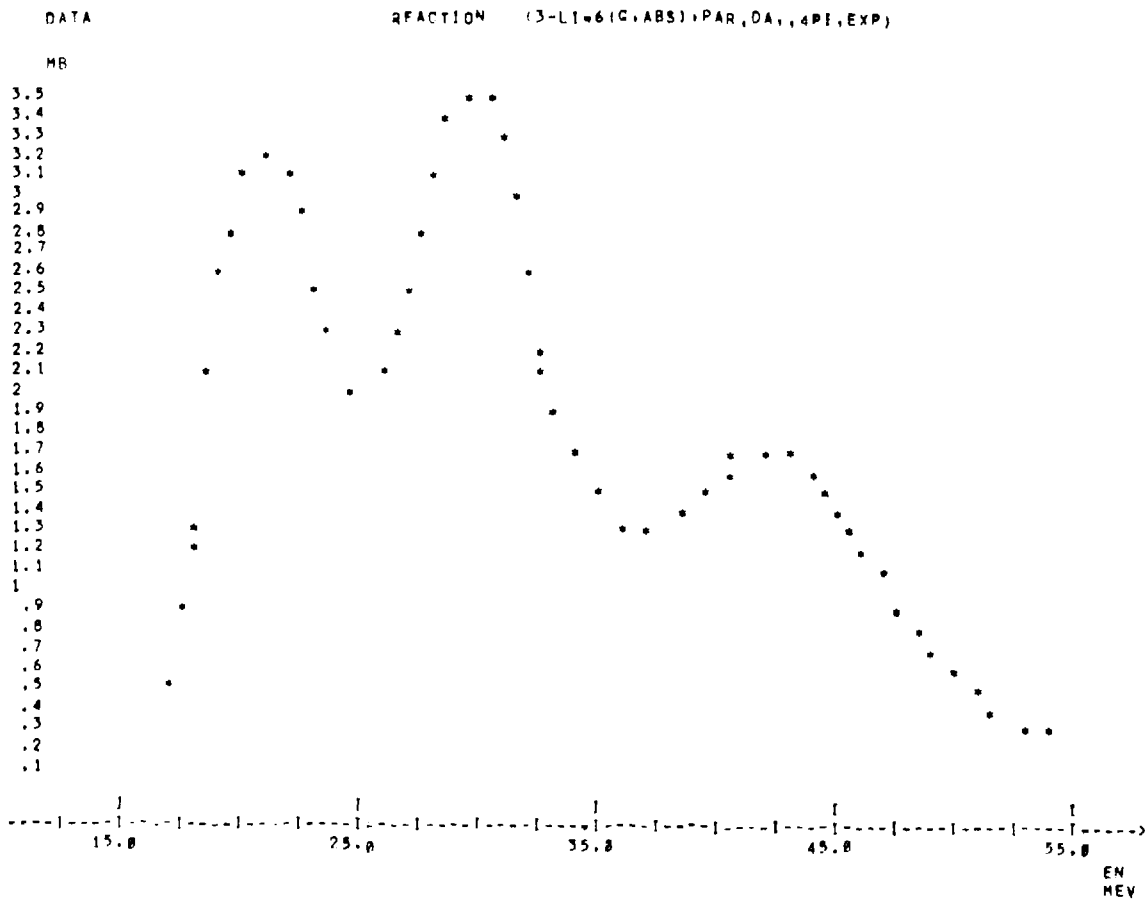
ANG 90. ADEG

EN	MEV	3.9	5.1	6.	6.6	7.3	8.
DATA	MB	0.12	0.29	0.46	0.63	0.8	0.99
8.6	9.4	10.4	11.5	13.6	15.2	16.5	17.
1.15	1.32	1.51	1.64	1.74	1.7	1.57	1.5
17.7	18.6	19.7	20.8	21.5	22.1	23.1	23.8
1.23	1.1	1.06	1.01	0.93	0.85	0.69	0.56
24.3	24.8	25.3	26.9				
0.43	0.33	0.25	0.24				



COFF PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI032 J,YF,5,(3),498,67 V,P,DENISOV LI032010(3-LI-6(G,ABS),PAR,DA,,4PI,EXP) SUM OF THE CROSS SECTIONS FOR THE REACTIONS (G,T),(G,PD),(G,ND),(G,G2P),(G,N2P)	ANG 90, ADEG

EN	MEV													
DATA	MB			17.1		17.5		17.8		18.1		18.5		19.1
				0.49		0.81		1.2		1.63		2.07		2.5
19.5		20.1		21.1		22.		22.4		22.7		23.		23.4
2.77		3.		3.14		3.03		2.82		2.62		2.4		2.21
23.7		24.7		25.8		26.4		26.9		27.5		28.		28.5
2.08		1.96		2.04		2.24		2.47		2.78		3.08		3.32
28.7		29.6		30.4		30.9		31.4		31.6		31.8		32.1
3.42		3.49		3.44		3.27		2.99		2.76		2.55		2.32
32.5		33.1		33.8		35.		36.2		37.1		38.3		39.4
2.1		1.82		1.61		1.41		1.3		1.28		1.33		1.48
40.4		42.		43.2		44.		44.7		45.2		45.6		46.2
1.6		1.65		1.52		1.57		1.48		1.36		1.26		1.14
46.9		47.6		48.3		49.1		50.		50.9		51.7		53.1
1.01		0.88		2.77		0.66		0.53		0.43		0.35		0.24
54.														
0.2														

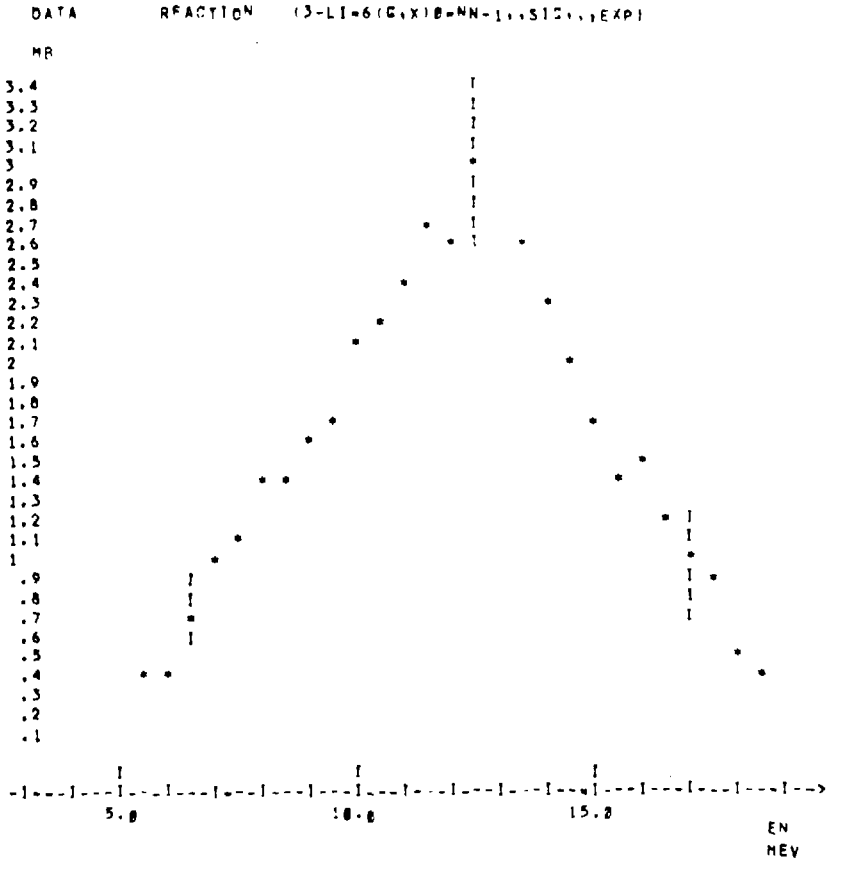


COFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

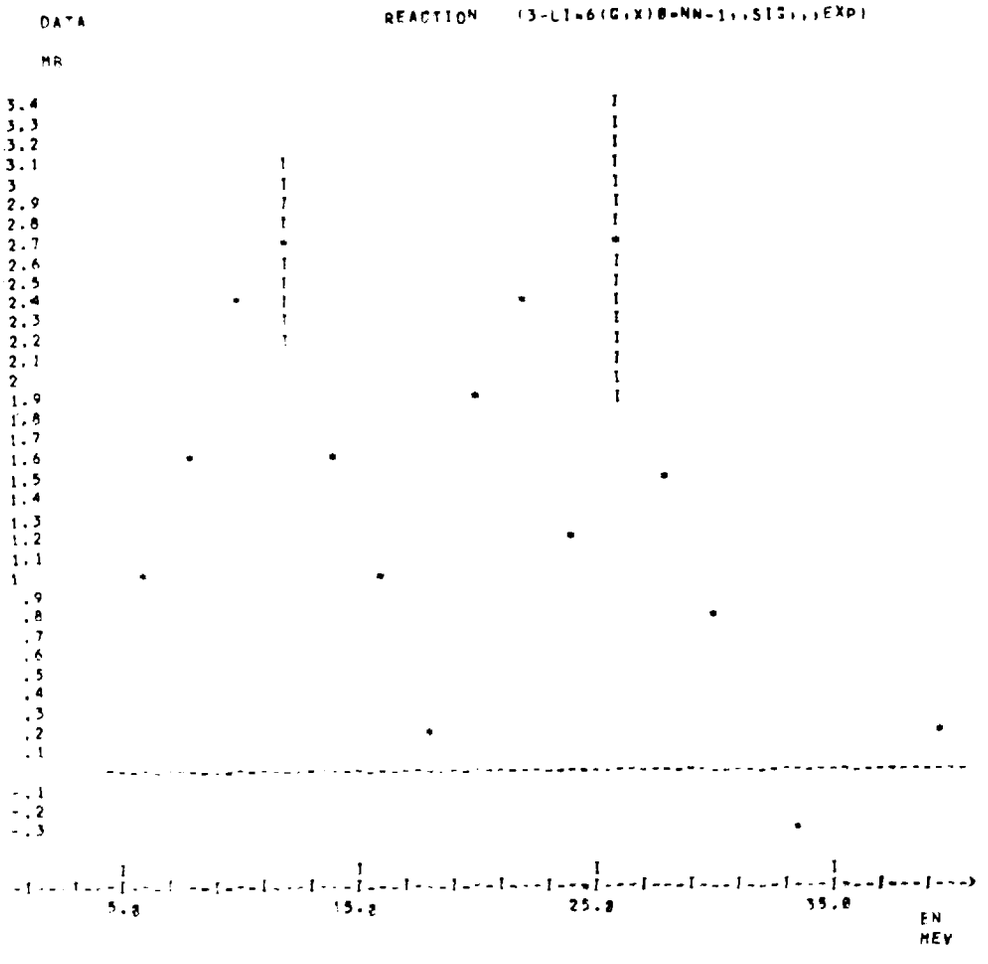
LI005 J,PR,113,(3),886,59,T,A,ROMANOWSKI
LI005003(3-LI-6(G,X)0-NN-1,,SIG,,,EXP)

EN	MEV	5.4	5.9	6.4	6.9	7.4	7.9
DATA	MB	0.34	0.59	0.66	0.94	1.01	1.37
DATA-ERR	MB			0.15			
8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9
1.35	1.58	1.61	2.0	2.14	2.37	2.61	2.53
12.4	13.5	13.9	14.5	15.0	15.4	15.9	16.4
2.94	2.57	2.25	1.91	1.64	1.4	1.44	1.19
0.42							
16.9	17.4	17.9	18.4	18.9			
0.95	0.89	0.5	0.33	0.2			
0.23							



CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI012 J,PL,4,(5),3##,63 S,COSTA								
LI012##3(3-LI-6(G,X)8-NN-1,,SIG,,,EXP)								
EN MEV	6.	8.	10.	12.	14.	16.	18.	20.
DATA MB	0.95	1.53	2.36	2.61	1.5	1.	0.13	1.82
DATA-ERR MB				0.44				

22.	24.	26.	28.	30.	33.5	39.5	
2.34	1.11	2.63	1.47	0.72	-0.24	0.19	
		0.75					

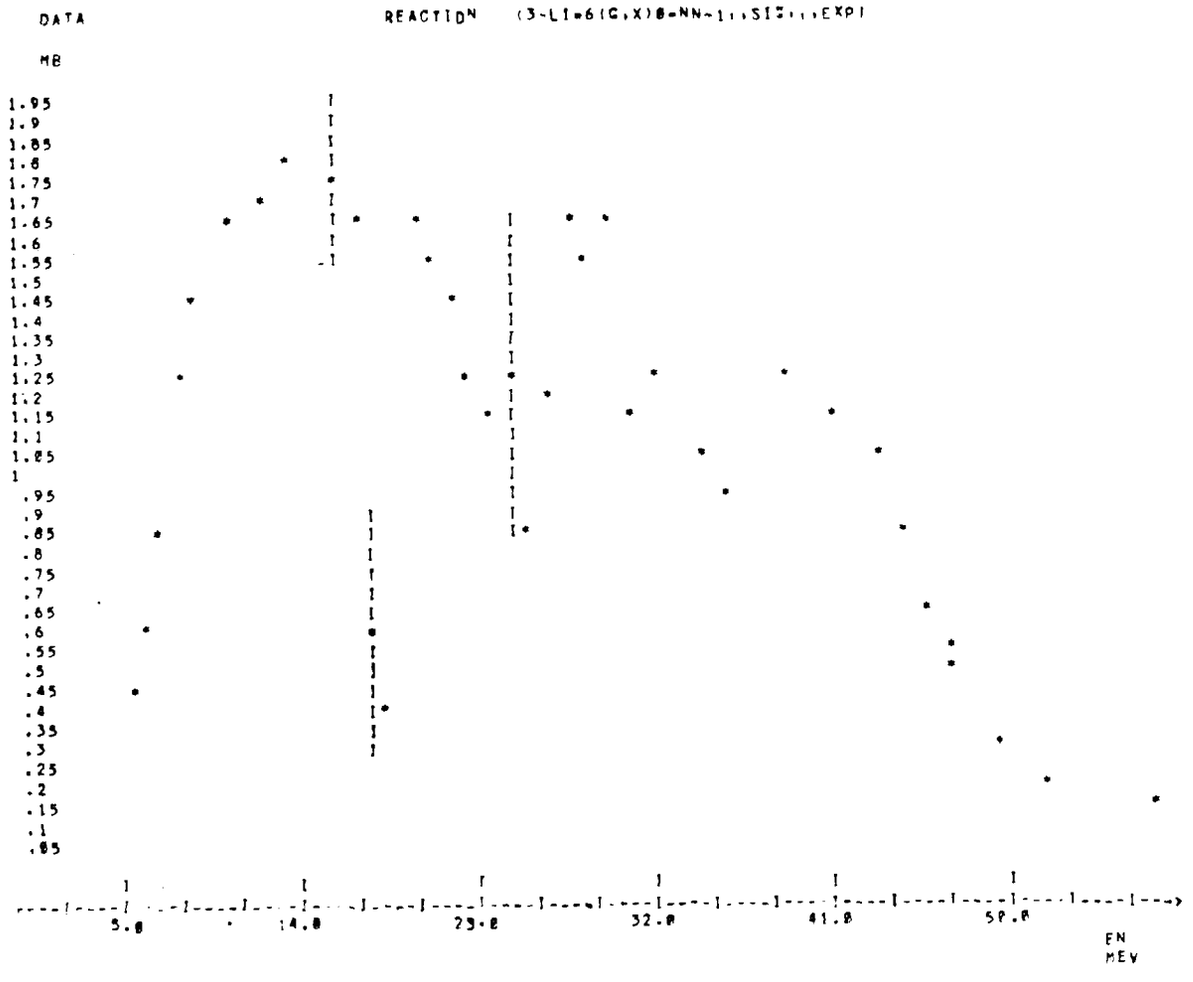


CDFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

LI021 J,ZET,46,1497,64 E.B.BAZHANOV
LI021002(3-LI-6(G,X)0-NN-1,,SIG,,,EXP)

EN	MEV		5.4	6.3	7.8	7.7	8.5	10.2
DATA	MB		0.4	0.59	0.5	1.2	1.4	1.6
DATA-ERR	MB							
12.3	13.5	15.5	17.2	17.7	18.3	19.1	19.8	
1.66	1.79	1.71	1.6	0.59	0.39	2.0	1.61	
		0.2		0.3		0.3		
20.5	21.5	22.6	23.5	24.5	25.5	26.5	27.5	
1.51	1.41	1.21	1.11	1.2	0.8	1.19	1.6	
				0.4				
28.5	29.8	30.6	32.1	34.2	35.7	37.1	38.6	
1.51	1.6	1.1	1.2	1.01	0.91	1.0	1.2	
40.7	43.2	44.7	45.7	47.2	49.4	51.9	57.	
1.1	1.0	0.9	0.61	0.5	0.29	0.19	0.1	



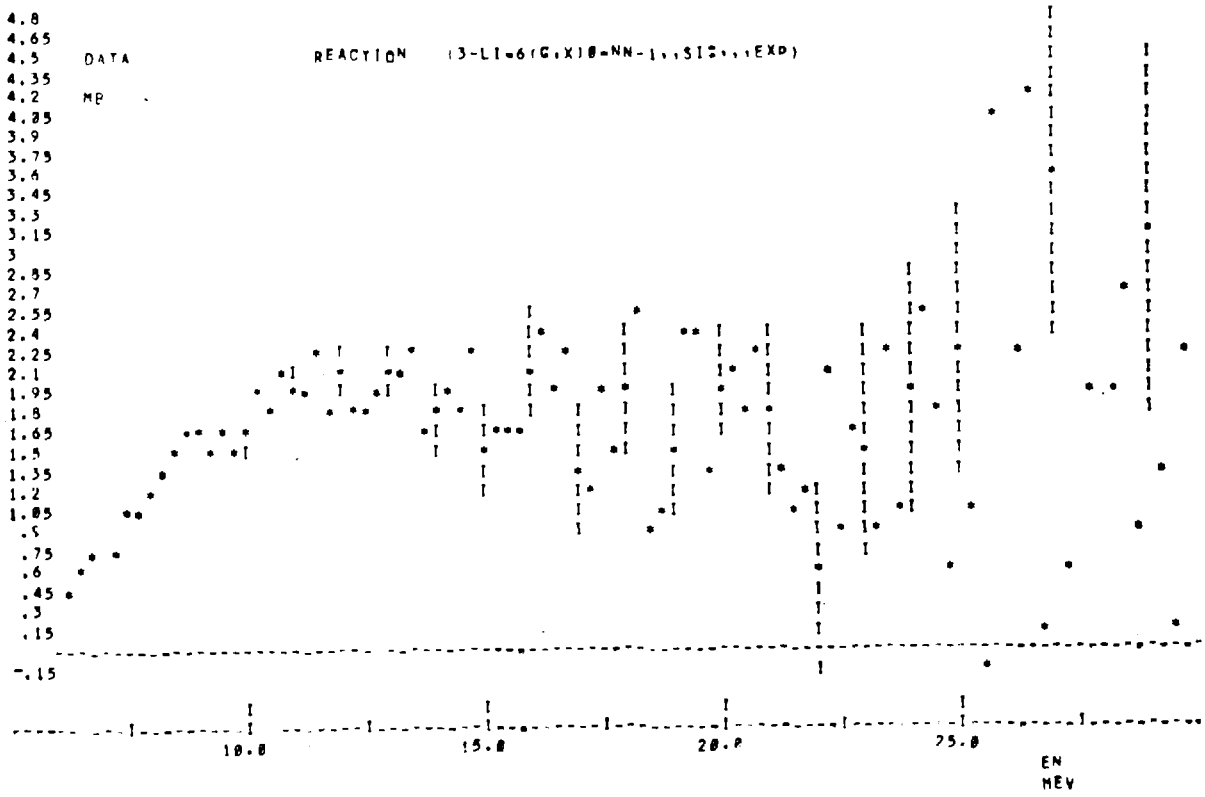
CDFE PHOTONUCLEAR DATA SHEETS

LI025 J,NP,69,241,65 E,HAYWARD
LI025002|3-LI-6(G,X)8-NN-1,,SIG,,,(EXP)

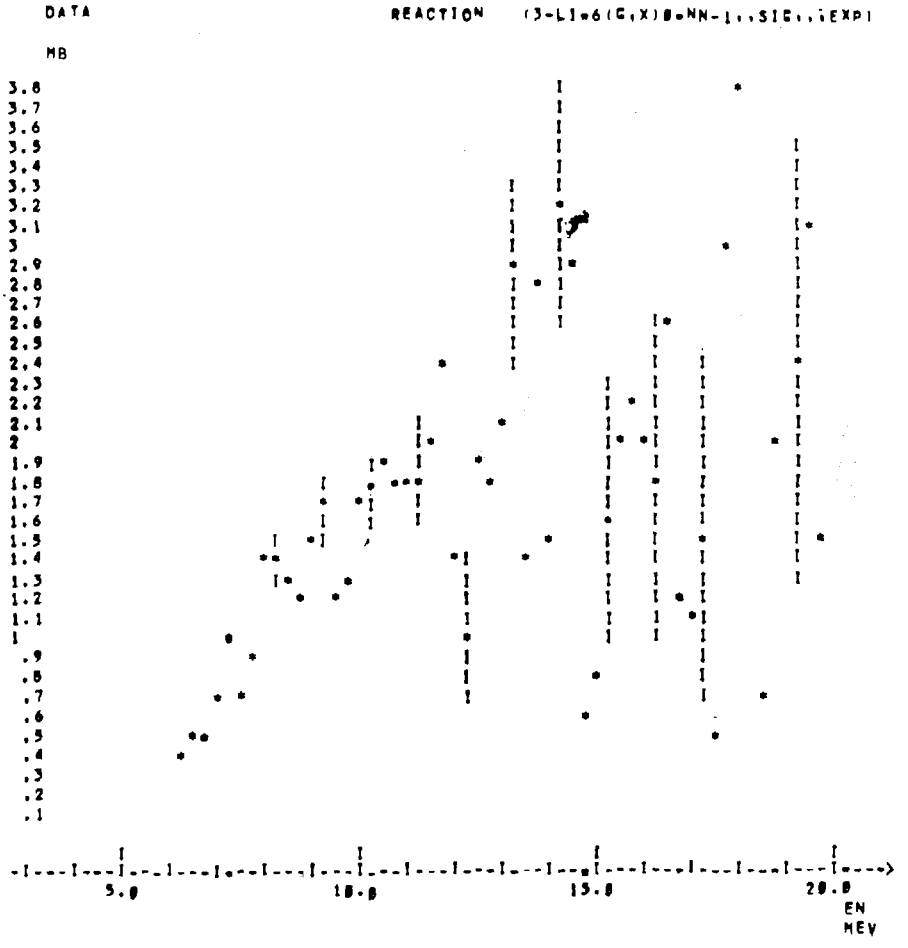
COMMON PARAMETERS

STEP OF THE P.-L. ANALISYS 0,5 MEV

EN MEV DATA MB DATA-ERR MB								
7.71 0.96	7.96 1.2	8.24 1.35	8.49 1.4	8.71 1.55	8.98 1.51	9.23 1.41	9.49 1.56
9.73 1.49	9.99 1.54 0.09	10.27 1.86	10.48 1.74	10.7 2.02	11.01 1.95 0.1	11.27 1.91	11.5 2.15
11.74 1.8	11.97 1.96 0.15	12.26 1.67	12.45 1.76	12.75 1.94	12.99 2.01 0.2	13.2 2.8	13.52 2.17
13.74 1.58	13.96 1.66 0.26	14.26 1.86	14.51 1.79	14.77 2.19	14.97 1.46 0.3	15.22 1.6	15.51 1.56
15.75 1.62	15.99 2.1 0.35	16.26 2.3	16.51 1.82	16.74 2.21	16.99 1.3 0.41	17.25 1.88	17.5 1.9
17.72 1.41	18.0 1.93 0.46	18.27 2.53	18.5 0.89	18.75 0.99	18.99 1.44 0.51	19.24 2.31	19.5 2.34
19.74 1.34	20.0 1.93 0.42	20.27 1.97	20.5 1.7	20.77 2.22	20.99 1.78 0.59	21.27 1.32	21.5 1.8
21.76 1.06	22.0 0.53 0.6	22.29 2.04	22.51 0.84	22.75 1.56	23.01 1.49 0.78	23.26 0.87	23.52 2.14
23.73 1.05	24.01 1.87 0.86	24.3 2.51	24.5 1.8	24.77 0.6	25.02 2.19 0.97	25.25 1.82	25.5 -0.02
25.76 3.96	26.24 2.14	26.53 4.1	26.74 3.08	27.02 3.5 1.2	27.24 0.47	27.74 1.82	28.25 1.82
28.54 2.63	28.73 0.88	29. 3.05 1.3	29.29 1.28	29.5 0.15	29.81 2.19		



CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI825 J,NP,69,241,65 E,MAYNARD LI825003(3-LI-6(G,X)8-NN-1,,SIG,,EXP)						STEP OF THE P.-L. ANALISYS 1.0 MEV		
EN MEV DATA MB DATA-ERR MB		6.3 0.58	6.4 0.46	6.8 0.44	7.0 0.64	7.29 0.95	7.5 0.61	
7.8 0.85	8.0 1.38	8.2 1.39 0.89	8.5 1.27	8.8 1.19	9.0 1.43	9.2 1.63 0.13	9.5 1.17	
9.8 1.21	10.0 1.63	10.2 1.71 0.19	10.5 1.82	10.8 1.8	11.0 1.72	11.2 1.8 0.24	11.5 1.93	
11.8 2.32	12.0 1.32	12.2 1.8 0.33	12.5 1.83	12.8 1.8	13.0 2.88	13.2 2.83 0.46	13.5 1.37	
13.8 2.76	14.0 1.41	14.2 3.12 0.59	14.5 2.87	14.8 0.53	15.0 0.78	15.2 1.57 0.65	15.5 1.92	
15.8 2.15	16.0 1.92	16.2 1.77 0.77	16.5 2.52	16.8 1.15	17.0 1.89	17.2 1.5 0.9	17.5 0.5	
17.8 2.95	18.0 3.77	18.5 0.61	18.8 1.93	19.2 2.32 1.88	19.5 3.81	19.8 1.48		

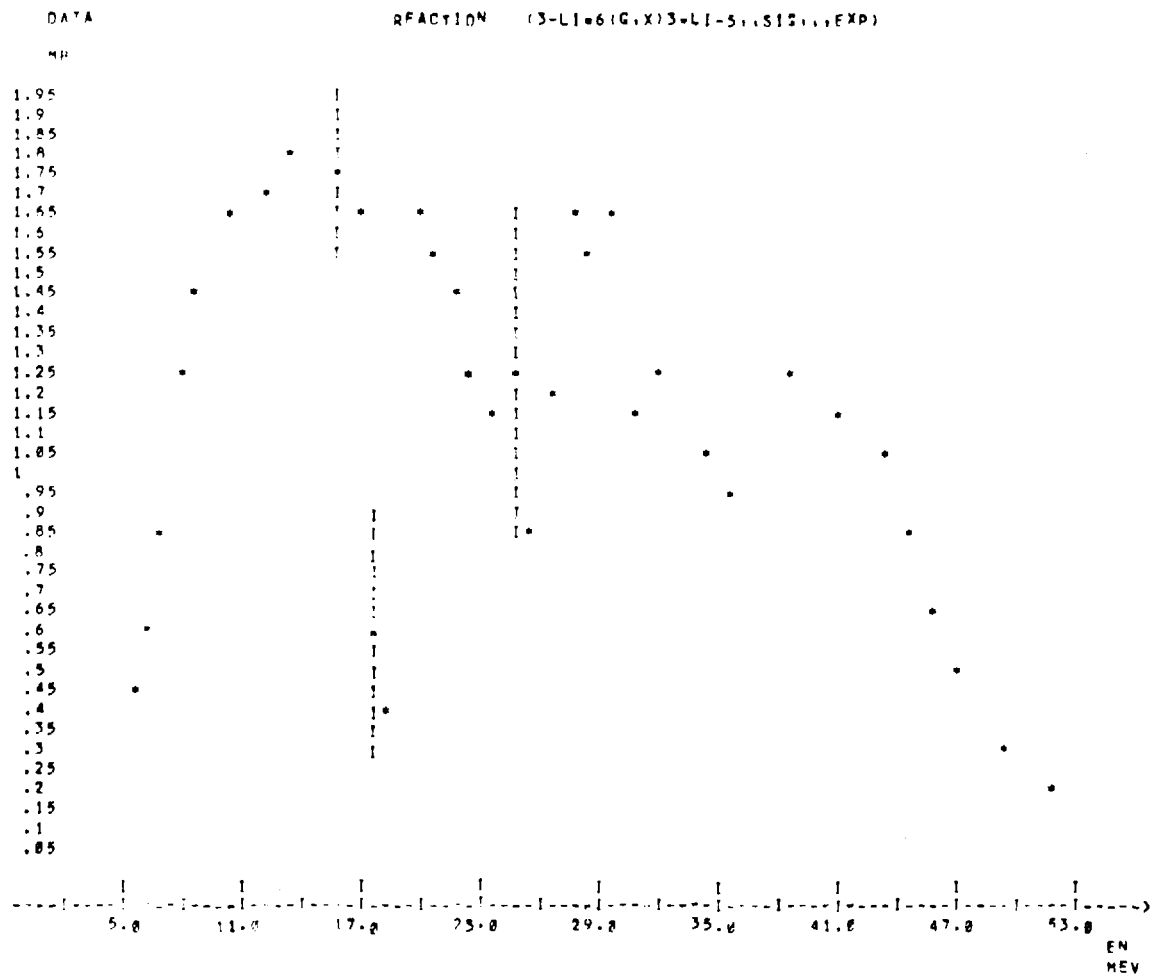


COF: PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

LI026 J,NP,68,191,65 E,B,BAZHANOV
LI(26802/3-LI-6(G,X)2-NN-1,,SIG,,,EXP)

EN MEV								
DATA MB		5.4	6.3	7.0	7.7	8.5	10.2	
DATA-ERR MB		0.4	0.59	0.5	1.2	1.4	1.6	
12.3	13.5	15.5	17.2	17.7	18.3	19.1	19.8	
1.66	1.79	1.71	1.6	0.59	0.39	2.0	1.61	
		0.2		0.3		0.3		
20.5	21.5	22.6	23.5	24.5	25.5	26.5	27.5	
1.51	1.41	1.21	1.11	1.2	0.8	1.19	1.6	
				0.4				
28.5	29.8	30.5	32.1	34.2	35.7	37.1	38.6	
1.51	1.6	1.1	1.2	1.01	0.91	1.0	1.2	
40.7	43.2	44.7	45.7	47.2	49.4	51.9		
1.1	1.0	0.8	0.61	0.5	6.29	0.19		



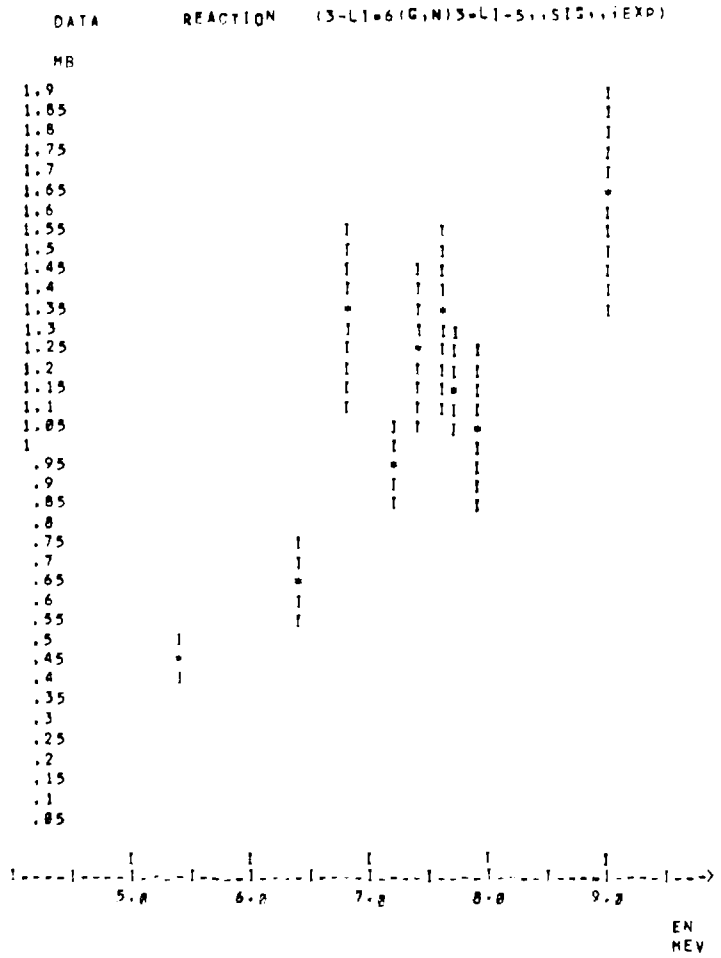
COFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI003 J,AUJ,9,429,56 R,D,FOGE LI003002(3-LI-6(G,N)3-LI-5,,SIG,,,EXP)	

EN	MEV	6.2
DATA	MB	0.3
DATA-ERR	MB	0.2

COFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI018 J,PR,135,8701,64 L,GREEN LI018002(3-LI-6(G,N)3-LI-5,,SIG,,,EXP)	

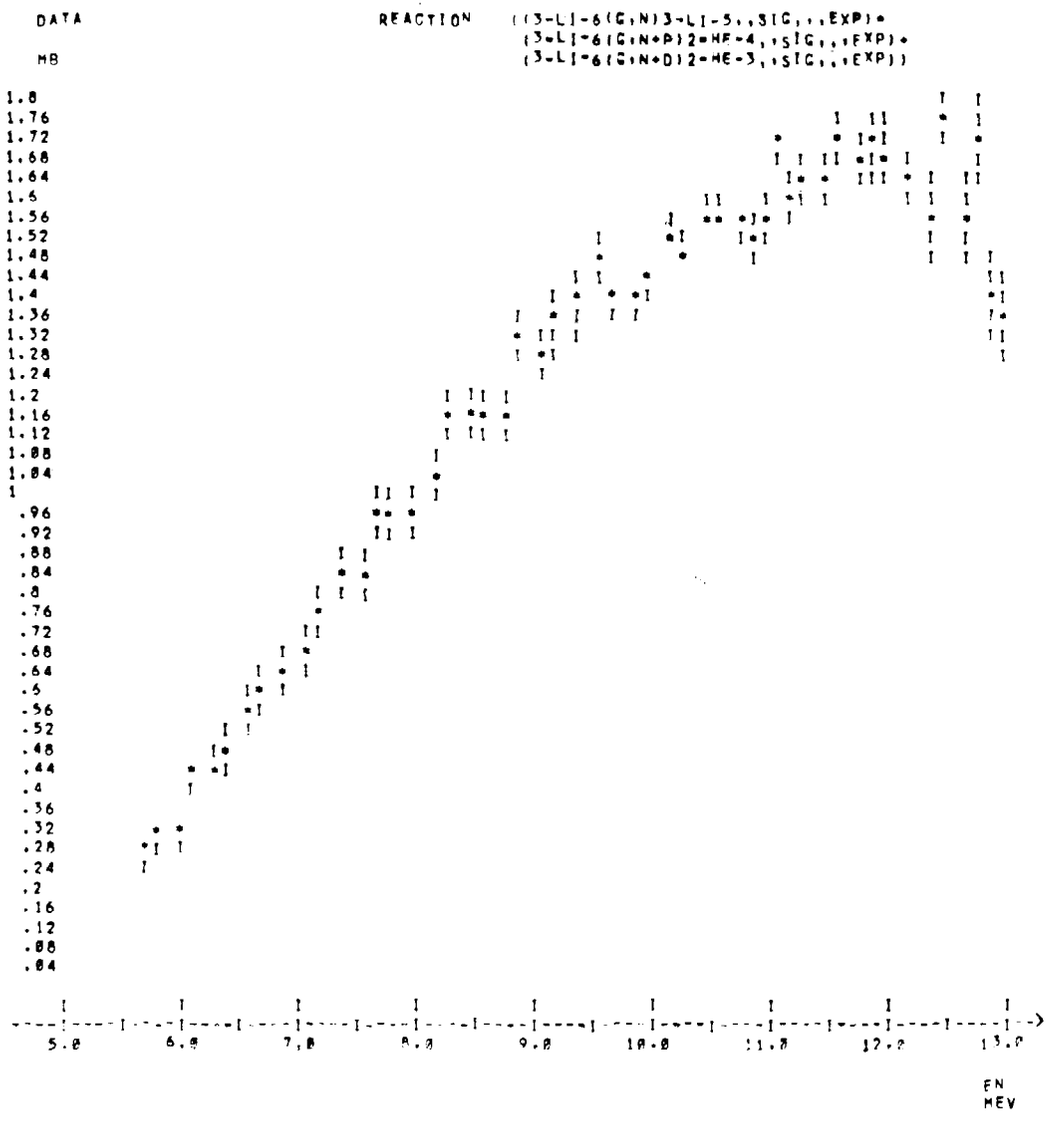
EN	MEV	5.43	6.41	6.75	7.16	7.38	7.64	7.72
DATA	MB	0.42	0.6	1.5	0.9	1.2	1.3	1.13
DATA-ERR	MB	0.07	0.1	0.2	0.1	0.2	0.2	0.12

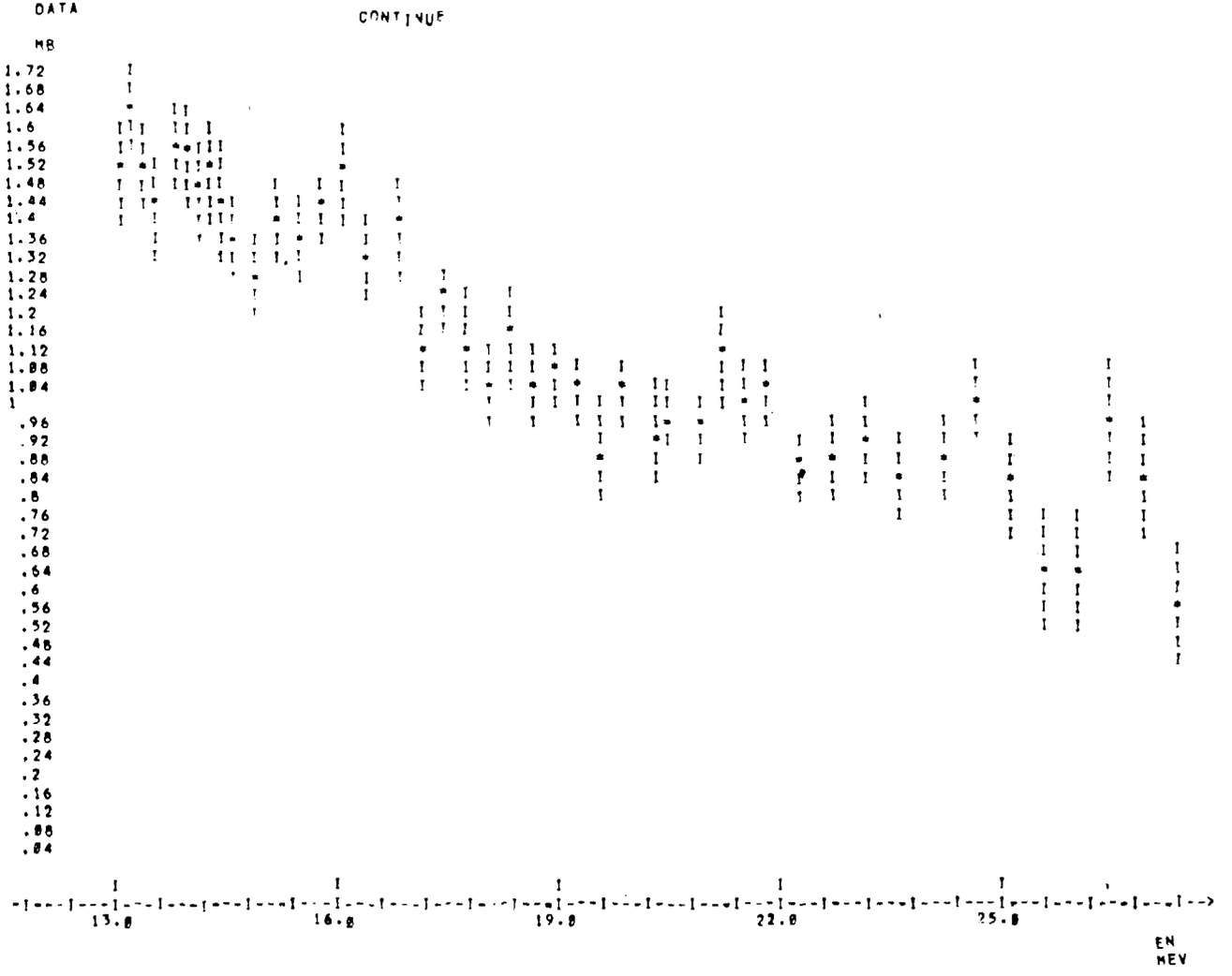
7.88	7.91	9.0	
1.0	1.1	1.6	
0.2	0.2	0.3	



CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI027 J,PR,18,(15),727,650,L,HERMAN	
LI027002((3-LI-6(G,N)3-LI-9,,SIG,,,EXP)+	
(3-LI-6(G,N+P)2-HE-4,,SIG,,,EXP)+	
(3-LI-6(G,N+D)2-HE-3,,SIG,,,EXP))	

EN	MEV	5.68	5.81	5.98	6.11	6.26	6.41
DATA	MB	.248	.286	.297	.411	.431	.478
DATA-ERR	MB	.02	.02	.02	.02	.03	.04
6.59	6.73	6.89	7.06	7.28	7.37	7.58	7.67
.548	.584	.611	.699	.745	.819	.839	.938
.04	.04	.04	.04	.04	.04	.04	.04
7.82	7.98	8.16	8.31	8.48	8.62	8.77	8.93
.941	.949	1.018	1.128	1.148	1.151	1.149	1.388
.03	.04	.04	.04	.04	.04	.04	.04
9.08	9.23	9.48	9.56	9.71	9.86	10.04	10.17
1.268	1.328	1.368	1.468	1.569	1.363	1.428	1.581
.03	.05	.05	.05	.03	.02	.02	.02
10.35	10.47	10.64	10.80	10.87	10.97	11.01	11.18
1.478	1.542	1.543	1.528	1.582	1.548	1.579	1.688
.02	.02	.02	.03	.04	.03	.04	.04
11.18	11.26	11.34	11.49	11.63	11.78	11.92	12.04
1.562	1.628	1.612	1.632	1.681	1.652	1.680	1.671
.04	.04	.04	.04	.04	.04	.07	.05
12.23	12.38	12.49	12.68	12.82	12.91	12.97	13.13
1.612	1.539	1.758	1.542	1.692	1.388	1.328	1.488
.24	.07	.05	.08	.08	.08	.08	.08
13.30	13.44	13.59	13.92	14.00	14.14	14.39	14.52
1.612	1.584	1.483	1.588	1.528	1.458	1.488	1.428
.09	.09	.09	.09	.10	.10	.10	.11
14.68	14.99	15.31	15.61	15.98	16.21	16.51	16.83
1.348	1.262	1.365	1.348	1.481	1.488	1.310	1.362
.08	.08	.08	.09	.07	.08	.08	.09
17.16	17.48	17.78	18.18	18.39	18.71	18.95	19.34
1.292	1.288	1.118	1.028	1.128	1.008	1.048	1.007
.09	.07	.09	.09	.11	.08	.06	.06
19.63	19.96	20.29	20.54	20.92	21.21	21.48	21.88
.879	1.008	.917	.958	.928	1.008	.982	1.008
.10	.07	.09	.07	.07	.10	.07	.07
22.32	22.76	23.26	23.72	24.18	24.65	25.12	25.58
.848	.858	.898	.888	.868	.977	.818	.612
.07	.09	.08	.08	.09	.09	.10	.12
26.85	26.58	26.99	27.44	27.92	28.36	28.82	29.29
.637	.925	.827	.547	.767	.528	.725	.728
.12	.12	.12	.12	.13	.14	.13	.12
29.77	30.22	30.68	31.13	31.60	32.08		
.748	.917	.757	.788	.657	.785		
.10	.13	.12	.14	.13	.20		


DATA
REACTION ((3-LI-6(G,N)3-LI-5,,SIG,,EXP)+
(3-LI-6(G,N+P)2-HE-4,,SIG,,EXP)+
(3-LI-6(G,N+D)2-HE-3,,SIG,,EXP))
MB
1.8
1.76
1.72
1.68
1.64
1.6
1.56
1.52
1.48
1.44
1.4
1.36
1.32
1.28
1.24
1.2
1.16
1.12
1.08
1.04
1
.96
.92
.88
.84
.8
.76
.72
.68
.64
.6
.56
.52
.48
.44
.4
.36
.32
.28
.24
.2
.16
.12
.08
.04
5.0
6.0
7.0
8.0
9.0
10.0
11.0
12.0
13.0
EN
MEV

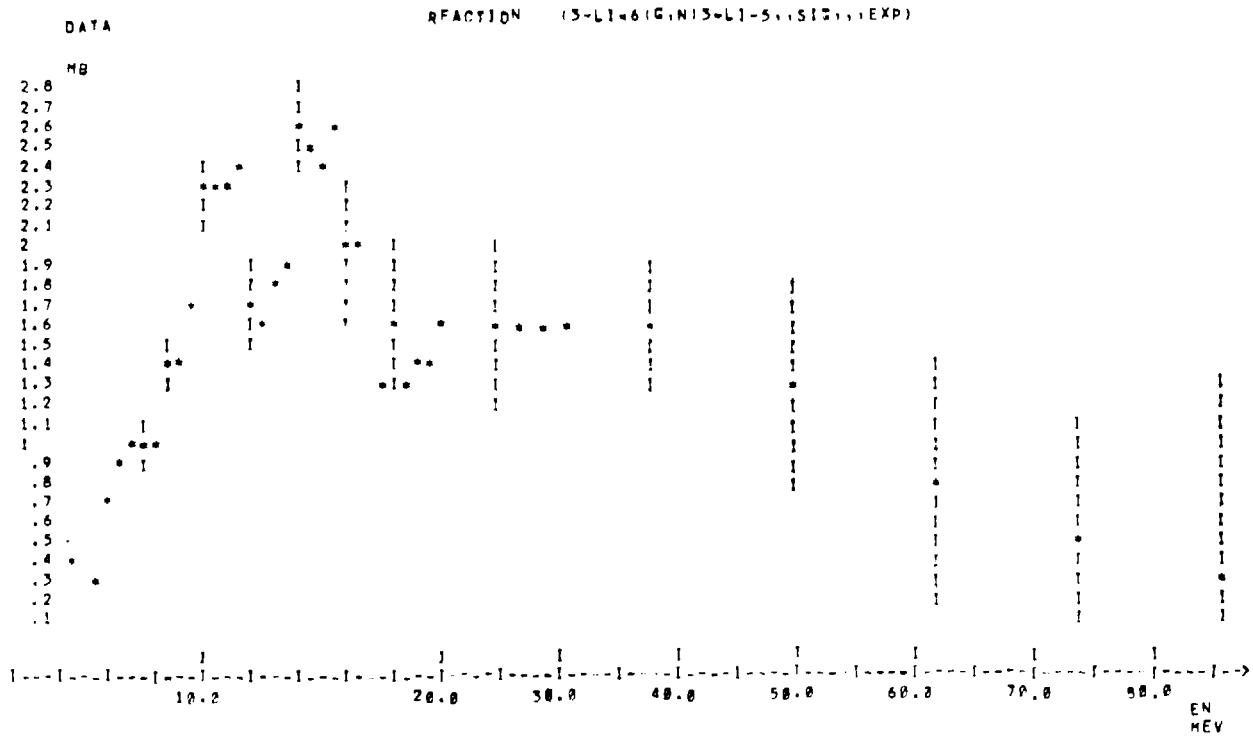

DATA
CONTINUE
MB
1.72
1.68
1.64
1.6
1.56
1.52
1.48
1.44
1.4
1.36
1.32
1.28
1.24
1.2
1.16
1.12
1.08
1.04
1
.96
.92
.88
.84
.8
.76
.72
.68
.64
.6
.56
.52
.48
.44
.4
.36
.32
.28
.24
.2
.16
.12
.08
.04
13.0
16.0
19.0
22.0
25.0
EN
MEV

CDFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

LI028 J,NC/B,42,(2),382,60 S,COSTA
LI028002(3-LI-6(G,N)3-LI-5,,SIG,,EXP)

EN	MEV	4.5	5.5	6.8	6.5	7.0	7.5
DATA	MB	0.3	0.29	0.63	0.8	0.96	0.99
DATA-ERR	MB						0.1
8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5
0.9	1.36	1.4	1.67	2.21	2.28	2.29	2.34
	0.11			0.15			
12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5
1.62	1.6	1.73	1.83	2.55	2.46	2.32	2.59
0.2				0.2			
16.0	16.7	17.5	18.2	18.7	19.15	19.6	20.2
1.9	1.91	1.27	1.56	1.3	1.37	1.31	1.6
0.3			0.35				
22.0	24.0	26.0	28.0	30.0	37.2	49.0	61.0
1.63	1.54	1.55	1.58	1.57	1.5	1.25	0.76
	0.41				0.3	0.5	0.6
73.0	85.0						
0.43	0.26						
0.61	1.0						



CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI027 J,PR,18,(15),727,658,L,,BERMAN LI227004((3-LI-6(G,2N)3-LI-4,,SIG,,,EXP)+ (3-LI-6(G,2N+P)2-HE-3,,SIG,,,EXP))	

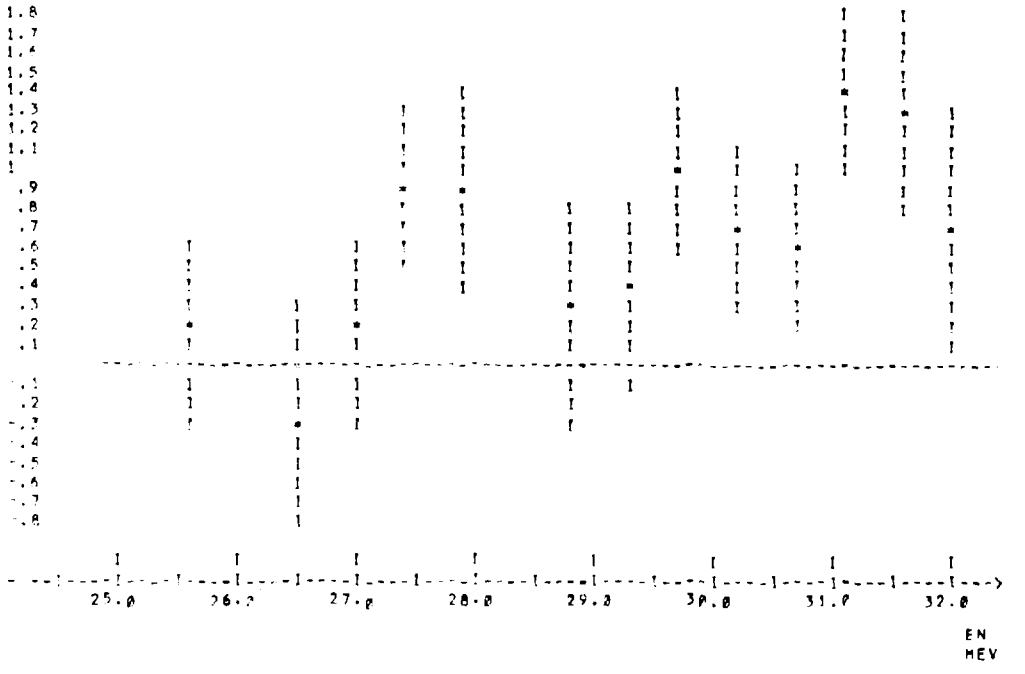
EN	MEV	25.58	26.05	26.50	26.97	27.43	27.89
DATA	MB	.014	.037	-.021	.019	.087	.085
DATA-ERR	MB	.04	.05	.05	.04	.04	.05

28.35	28.82	29.27	29.72	30.19	30.66	31.12	31.58
.063	.028	.039	.093	.063	.056	.136	.123
.05	.05	.04	.04	.04	.04	.04	.05

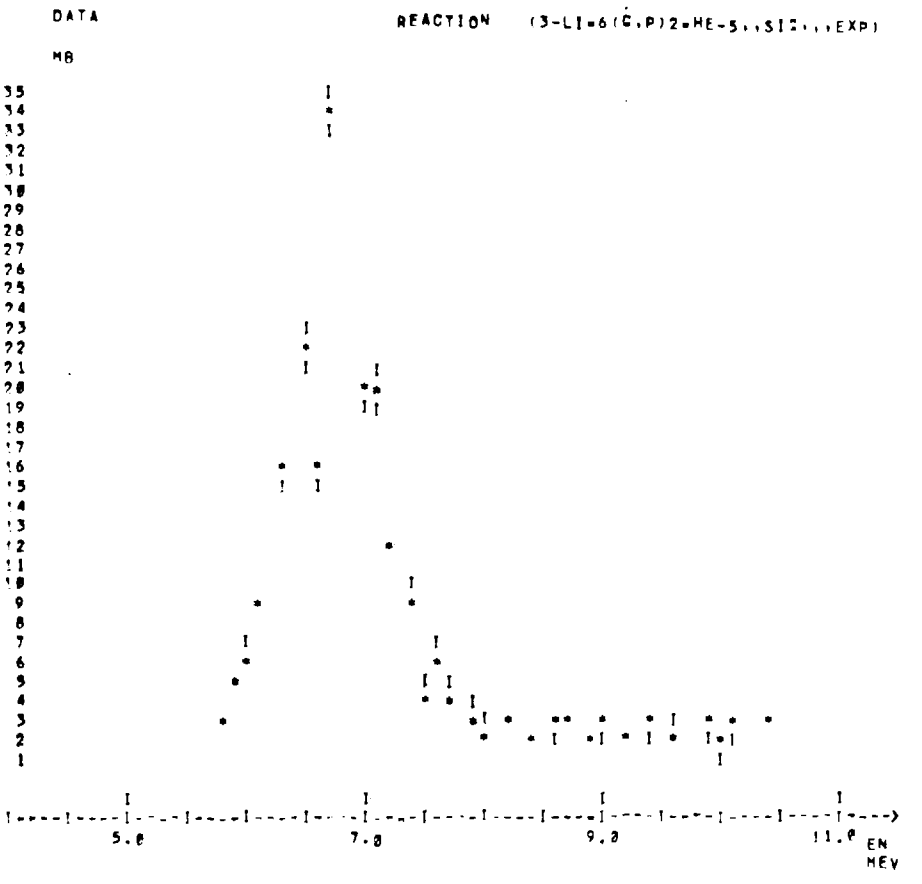
31.96
.265
.06

DATA REACTION ((3-LI-6(G,2N)3-LI-4,,SIG,,,EXP)+
(3-LI-6(G,2N+P)2-HE-3,,SIG,,,EXP))

MB*1/10



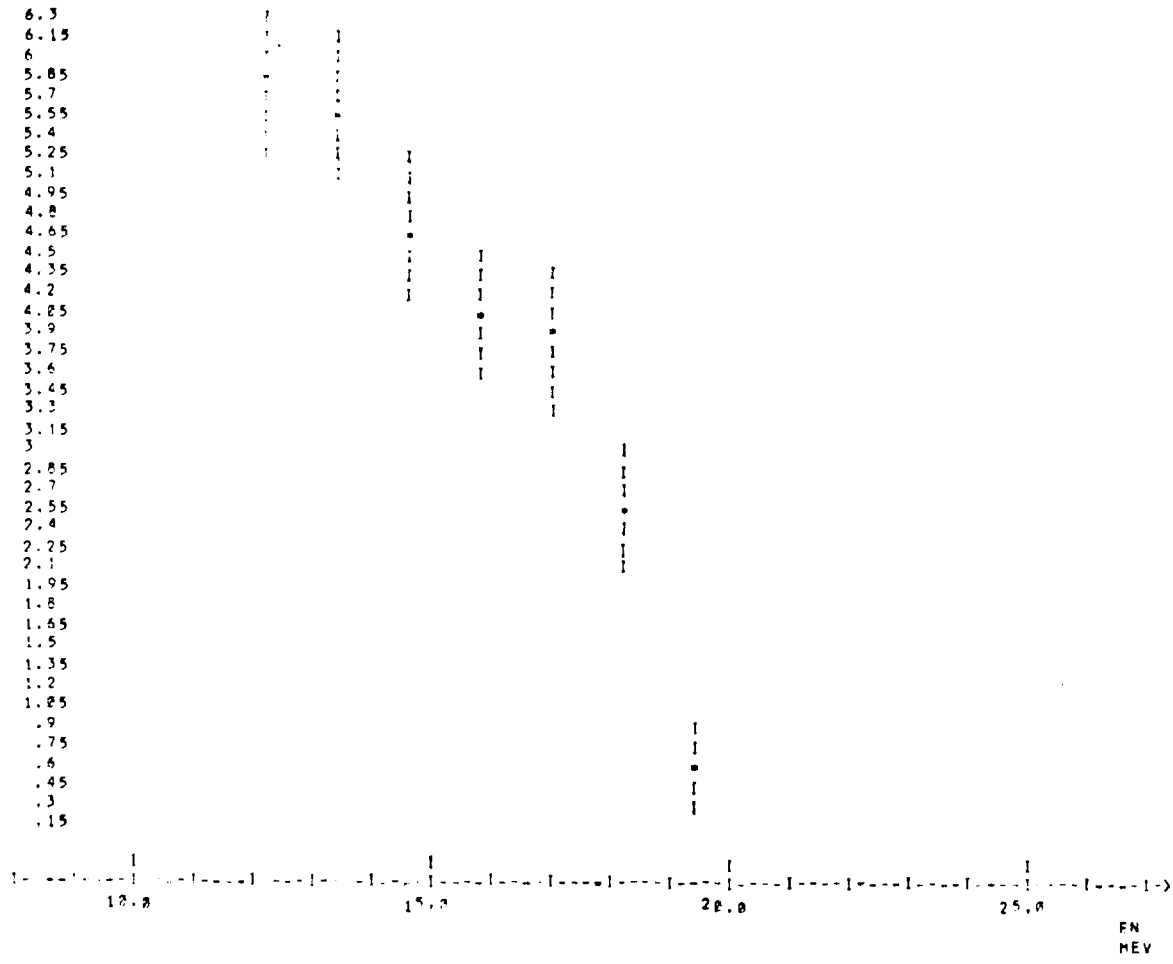
COFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI617 J.LZV,28,(1),60,64 A.KH.SHARDANOV						EN-MAX	18.3	MEV
LI617003(3-LI-6(G,P)2-HE-5,,SIG,,,EXP)								
EN MEV		5.83	5.91	6.		6.14	6.25	6.48
DATA MB		2.4	4.79	5.95		8.74	19.09	21.26
DATA-ERR MB				0.75			0.63	0.96
6.62	6.73	6.98	7.1	7.24		7.36	7.5	7.59
15.24	33.14	19.86	19.4	11.64		8.99	3.65	5.62
0.76	0.94	0.65	0.75			0.62	0.64	0.54
7.73	7.86	7.95	8.24	8.37		8.6	8.69	8.86
4.	2.94	1.9	2.35	1.51		2.01	2.11	1.57
0.57	0.35	0.23	0.24	0.31		0.37		0.34
9.82	9.16	9.4	9.64	9.9		10.	10.12	10.37
2.39	1.67	2.11	1.62	2.36		1.29	2.3	2.71
0.44		0.44	0.46	0.55		0.46	0.59	



```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI019   J,ZET,46,1136,64   E.D.MAKHNOVSKY              *E-LVL          0.      MEV      *
*        LI019003(3-LI-6(G,P)2-HE-5,PAR,SIG,,,EXP)               *                                *
*                                                                *                                *
*                                                                *                                *
*****************                                                *****************************
* EN          MEV        *    12.2   *    13.4   *    14.6   *    15.8   *    17.0   *    18.2
* DATA        MB              0.57        0.55        0.46        0.4         0.38        0.25
* DATA-ERR    MB              0.05        0.05        0.05        0.05        0.05        0.05
 *    19.4
      0.06
      0.03
```

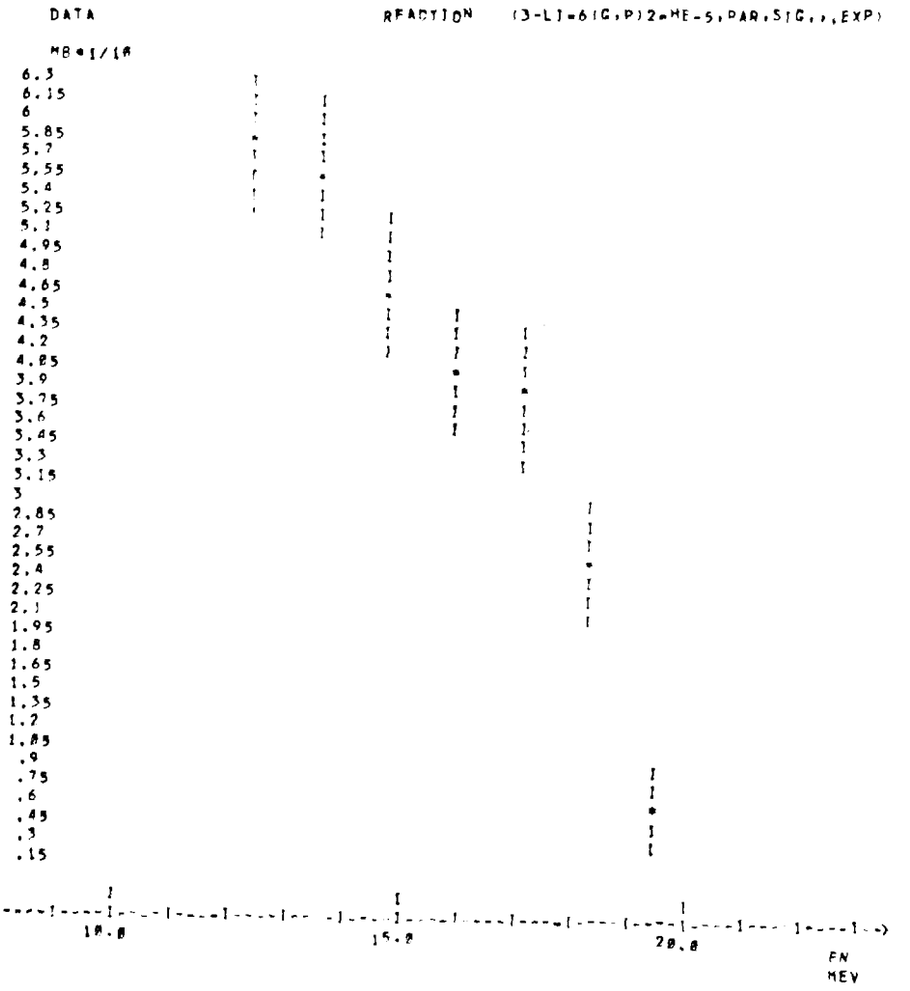
DATA REACTION (3-LI-6(G,P)2-HE-5,PAR,SIG,,,EXP)

MB*1/10

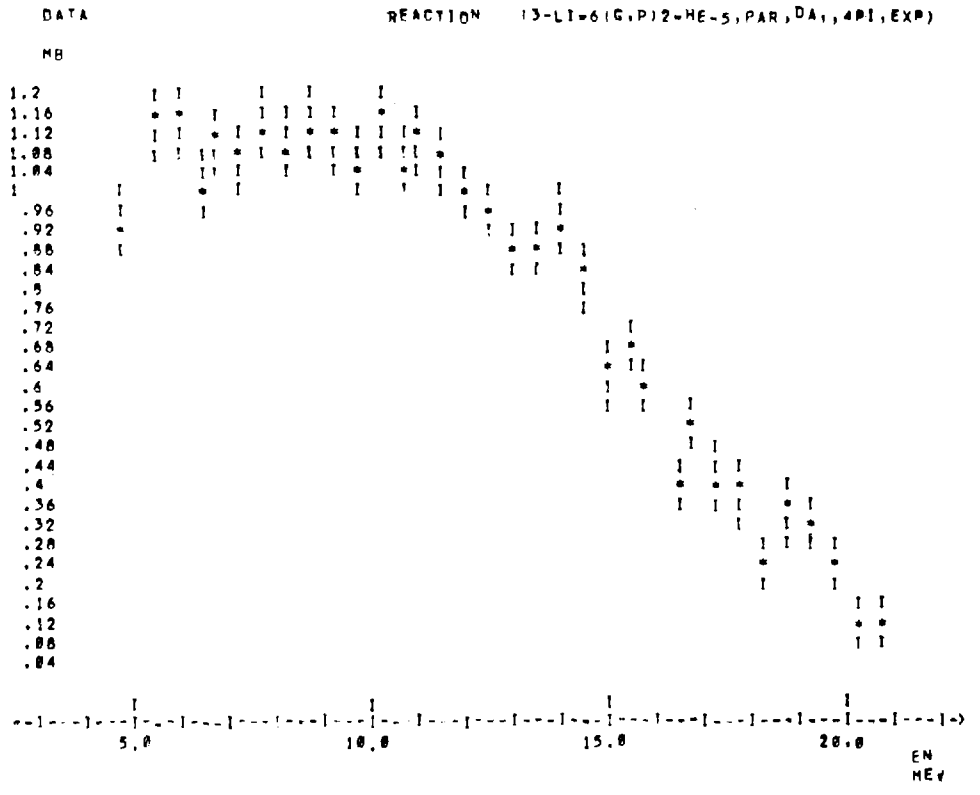


CDFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS
LI026 J,NP,68,191,65 E.B.RAZHANOV		E-LVL 0. MEV
LI026004 3-LI-6(G,P)2-HE-5,PAR,SIG,,,EXP		

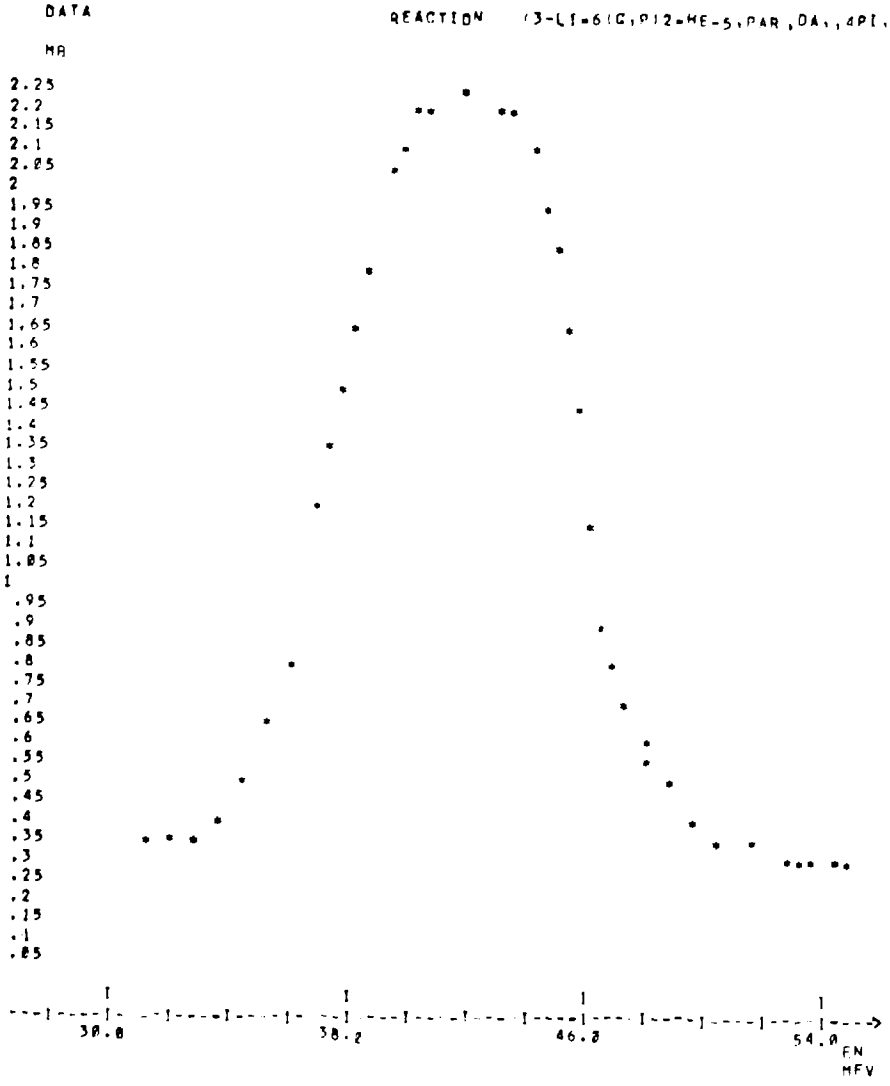
EN	MEV	12.2	13.38	14.6	15.8	17.0	18.2	19.4
DATA	MB	0.57	0.55	0.46	0.4	0.38	0.25	0.06
DATA-ERR	MB	0.05	0.05	0.05	0.05	0.05	0.05	0.03



COFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI032 J,VF,5,(3),498,67 V,P,DENISOV LI032002(3-LI-6(G,P)2-HE-5,PAR,DA,,4PI,EXP)						ANG E-LVL	90. 0.	ADEG MEV
EN	MEV	9.8	10.4	10.9	11.4	11.8	12.3	
DATA	MB	0.90	1.13	1.13	0.98	1.08	1.04	
DATA-ERR	MB	0.06	0.06	0.06	0.06	0.06	0.06	
12.8	13.3	13.8	14.3	14.7	15.2	15.7	16.1	
1.11	1.07	1.11	1.09	1.02	1.12	1.03	1.09	
0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	
16.6	17.1	17.6	18.	18.5	19.	19.4	19.9	
1.04	0.97	0.94	0.85	0.85	0.91	0.80	0.60	
0.06	0.05	0.05	0.05	0.05	0.05	0.06	0.05	
20.4	20.8	21.4	21.8	22.3	22.8	23.3	23.8	
0.65	0.58	0.38	0.5	0.39	0.36	0.21	0.32	
0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	
24.2	24.7	25.2	25.8					
0.30	0.23	0.11	0.09					
0.05	0.04	0.04	0.04					

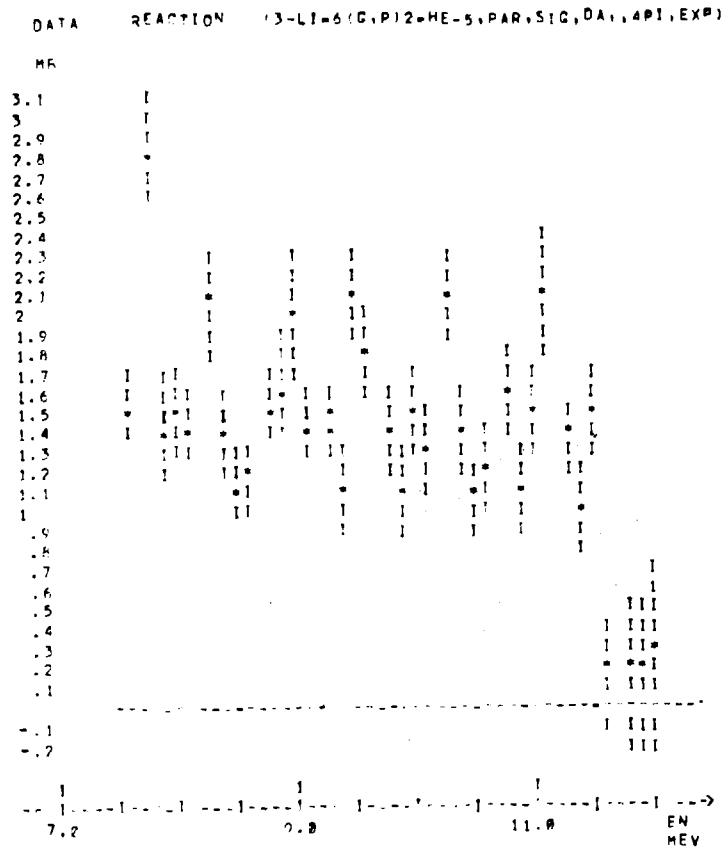


COFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI032 J,γF,5,(3),498,67 V,P,DENISOV								
LI032004(3-LI-6(G,P12-HE-5,PAR,DA,,4PI,EXP)								
						ANG	90.	ADEG
						E-MIN	4.2	MEV
						E-MAX	17.6	MEV
EN	MEV		31.2	31.9	32.7	33.7	34.6	35.3
DATA	MB		0.32	0.31	0.32	0.37	0.46	0.61
35.9	36.3	36.9	37.2	37.5	37.9	38.2	38.5	
0.77	0.95	1.17	1.34	1.49	1.62	1.77	1.89	
39.1	39.5	40.1	40.6	41.7	42.7	43.4	44.	
2.01	2.09	2.15	2.19	2.22	2.19	2.15	2.05	
44.4	44.6	44.9	45.1	45.4	45.6	45.9	46.1	
1.93	1.83	1.71	1.6	1.44	1.31	1.14	1.01	
46.5	46.9	47.4	48.	48.8	49.7	50.6	51.5	
0.87	0.77	0.65	0.55	0.46	0.38	0.34	0.31	
52.8	53.4	53.8	54.2	54.9				
0.29	0.29	0.29	0.29	0.3				

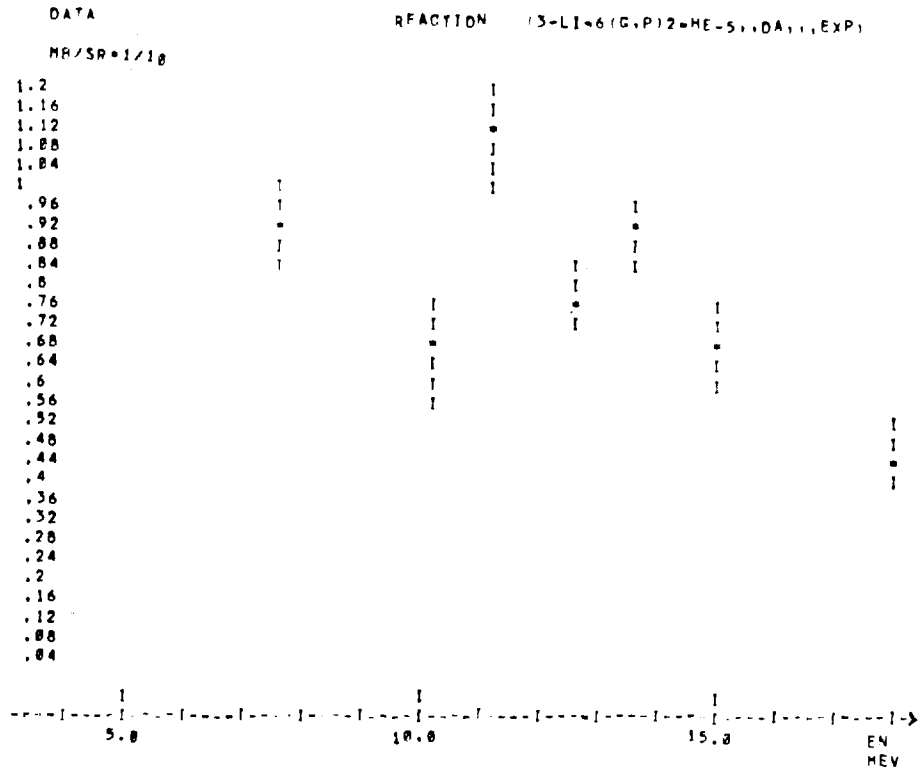


CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI037 J,IZV,23,(4),721,69,YU.I.SOROKIN	ANG 90, ADEG
LI037003(3-LI-6(G,P)2-HE-5,PAR,DA,,4PI,EXP)	E-LVL 0, MEV

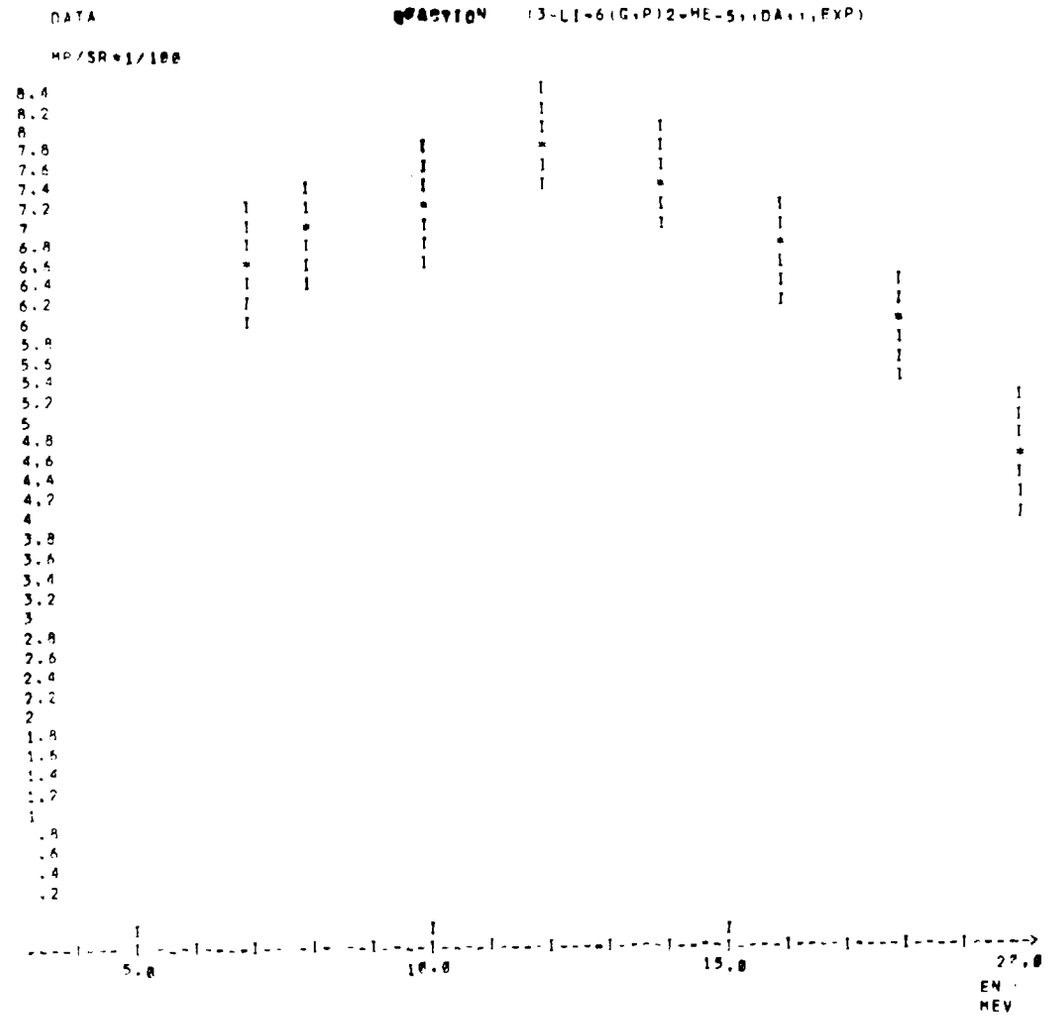
EN	MEV			7.625		7.750		7.875		8.		8.125		8.250
DATA	MB			0.146		0.276		0.140		0.144		0.139		0.201
DATA-ERR	MB			0.015		0.026		0.021		0.018		0.017		0.021
8.375		8.5		8.625		8.750		8.875		9.		9.125		9.25
0.140		0.107		0.113		0.149		0.157		0.195		0.138		0.14
0.02		0.017		0.015		0.012		0.026		0.03		0.017		0.019
9.375		9.5		9.625		9.750		9.875		10.		10.125		10.250
0.107		0.206		0.178		0.138		0.108		0.144		0.124		0.201
0.018		0.018		0.019		0.018		0.018		0.018		0.022		0.019
10.375		10.5		10.625		10.750		10.875		11.		11.125		11.250
0.135		0.104		0.112		0.154		0.107		0.146		0.207		0.134
0.021		0.016		0.021		0.018		0.019		0.016		0.028		0.016
11.375		11.5		11.625		11.750		11.875		12.				
0.092		0.147		0.014		0.016		0.013		0.023				
0.021		0.02		0.020		0.026		0.031		0.041				



```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI038   J,BJP,48,1917,70   C.F.WONG                     *ANG            90.      ADEG     *
*        LI038004(3-LI-6(G,P)2-HE-5,,DA,,,EXP)                   *EN-MAX          21.6     MEV      *
*                                                                *                                 *
*                                                                *                                 *
*****************                                                *********************************
* EN          MEV        *     7.5    *    10.1    *    11.1    *    12.5    *    13.5    *    15.
* DATA        MB/SR            0.09        0.064       0.108       0.075       0.089       0.066
* DATA-ERR    MB/SR            0.008       0.009       0.009       0.007       0.006       0.007
 *    18.
      0.043
      0.005
```

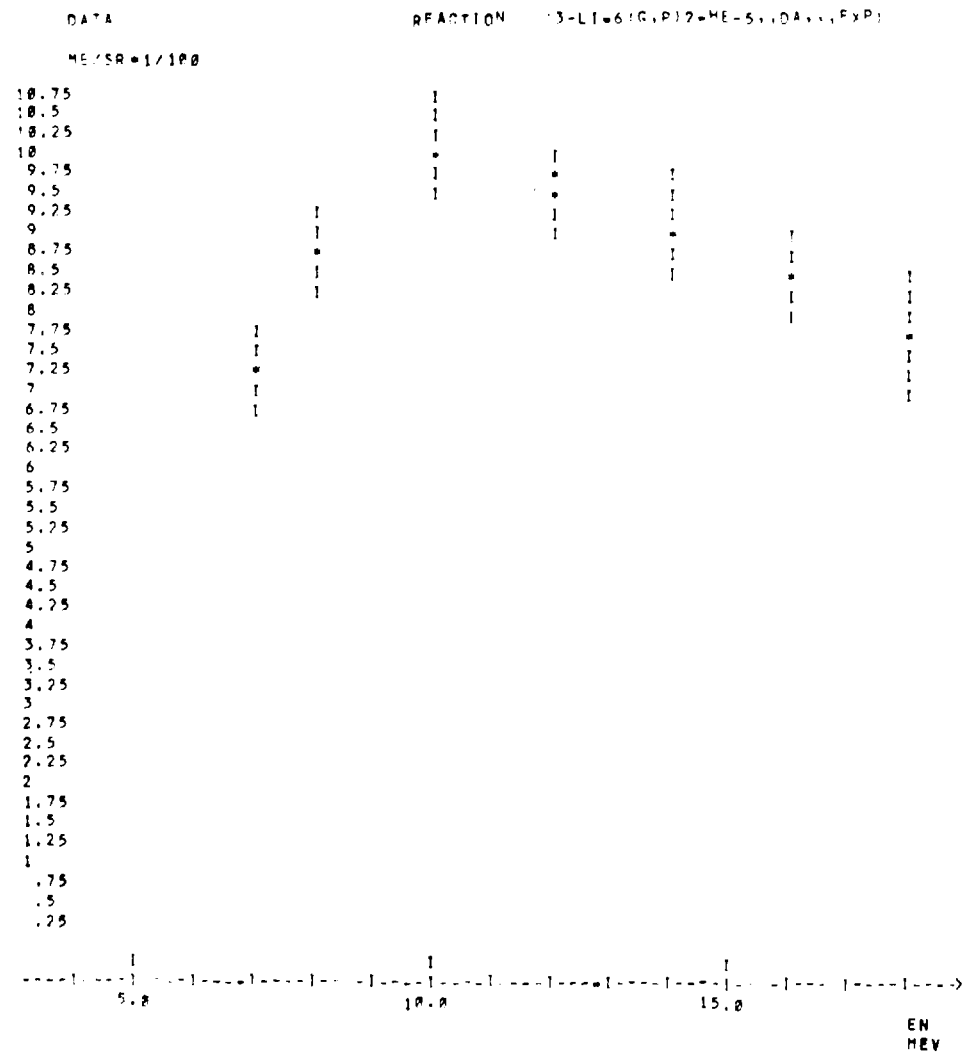


```
*****************************************************************************************
*                 COFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI038   J,CJP,48,1717,78   C.F.WONG                     *ANG            90.      ADEG      *
*        LI038005(3-LI-6(G,P)2-HE-5,,DA,,,EXP)                   *EN-MAX         26,9     MEV       *
*                                                                *                                  *
*                                                                *                                  *
*****************************************************************************************
* EN          MEV        *     6.9    *     8.     *    10.     *    12.     *    14.     *    16.
* DATA        MB/SR            0.065        0.069        0.071        0.078        0.074        0.066
* DATA-ERR    MB/SR            0.006        0.005        0.005        0.005        0.005        0.005
 *    18.     *    20.
      0.058        0.045
      0.004        0.006
```



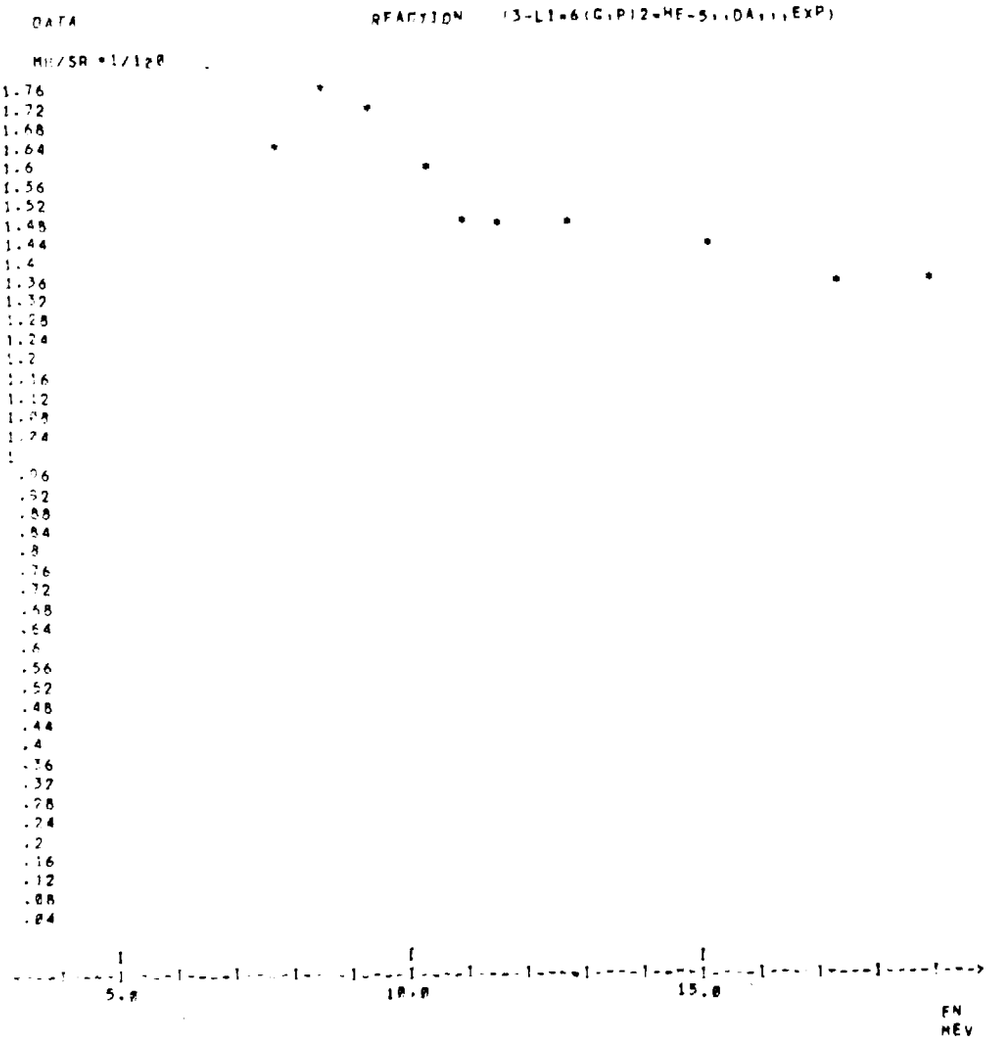
CDFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS	
LI038 J,CJP,48,1917,78 C.F.WONG		*ANG	90. ADEG
LI238006(3-LI-6(G,P)2-HE-5,,DA,,,EXP)		*EN-MAX	43.9 MEV

EN	MEV	7.	8.	10.	12.	14.	16.	18.	20.1
DATA	MB/SR	0.07	0.086	0.099	0.095	0.089	0.083	0.076	0.065
DATA-ERR	MB/SR	0.005	0.005	0.006	0.005	0.006	0.005	0.009	0.005



CDFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS	
LI038 J,@JP,4A,1917,78 C,F,MONG		*ANG 90.	ADEG
LI038007/3-LI-6(G,P)2-HE-5,,DA,,,EXP)		*EN-MAX 90.	MEV

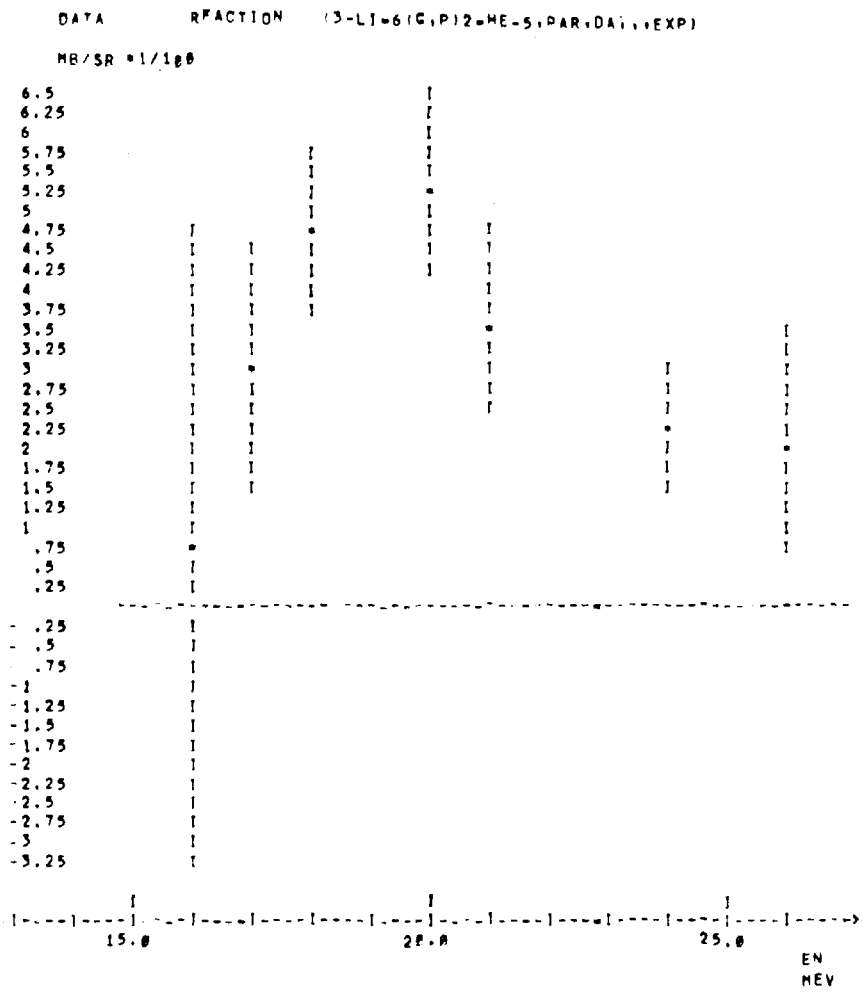
* EN	MEV	7.16	7.75	8.57	9.36	10.4	11.
* DATA	MB/SR	0.144	0.16	0.174	0.172	0.156	0.144
11.61	12.87	15.15	17.31	18.1	18.9		
0.148	0.144	0.14	0.135	0.136	0.132		



COPE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS		
LI843 J,[ZV,37,(1),107,73W,P,DEN]SQV		*ANG	90,	ADEG
LI843000(3-LI-6(G,P)2-HE-5,PAR,DA,,,EXP)		*E-MIN	10,	MEV
		*SPIN J	1.5	NO-DIM

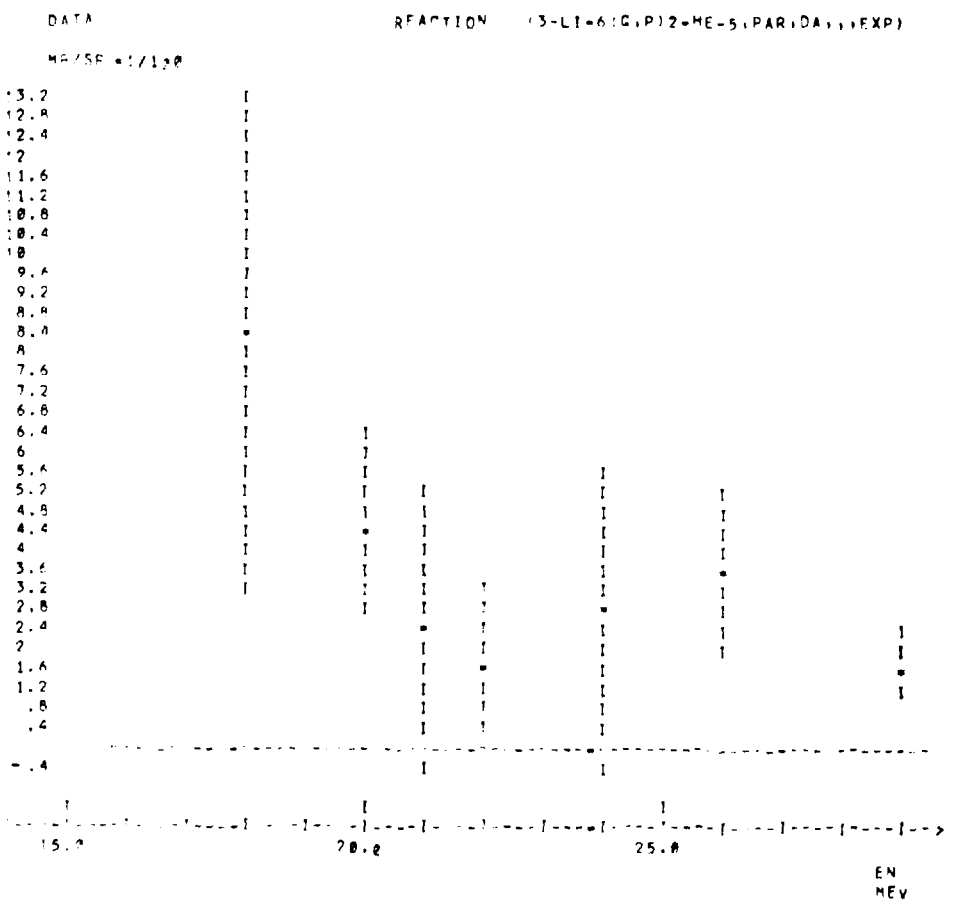
EN	MEV	16.	17.	18.	20.	21.	24.
DATA	MB/SR	0.087	0.03	0.047	0.052	0.035	0.021
DATA-ERR	MB/SR	0.038	0.015	0.01	0.011	0.012	0.007

26.
0.02
0.013



COFE PHOTONUCLEAR DATA SHEETS									
LI243 J,[ZV,37,(1),187,73V,P,DENISOV									
LI643009(3-LI-6(G,P)2-HE-5,PAR,DA,,,EXP)									
EN	MEV	18.	20.	21.	22.	24.	26.	29.	
DATA	MB/SR	0.091	0.043	0.023	0.014	0.025	0.034	0.016	
DATA-ERR	MB/SR	0.05	0.019	0.026	0.014	0.028	0.015	0.005	

COMMON PARAMETERS			
ANG	90.	ADEG	
E-MIN	10.	MEV	
SPIN J	0.5	NO-DIM	

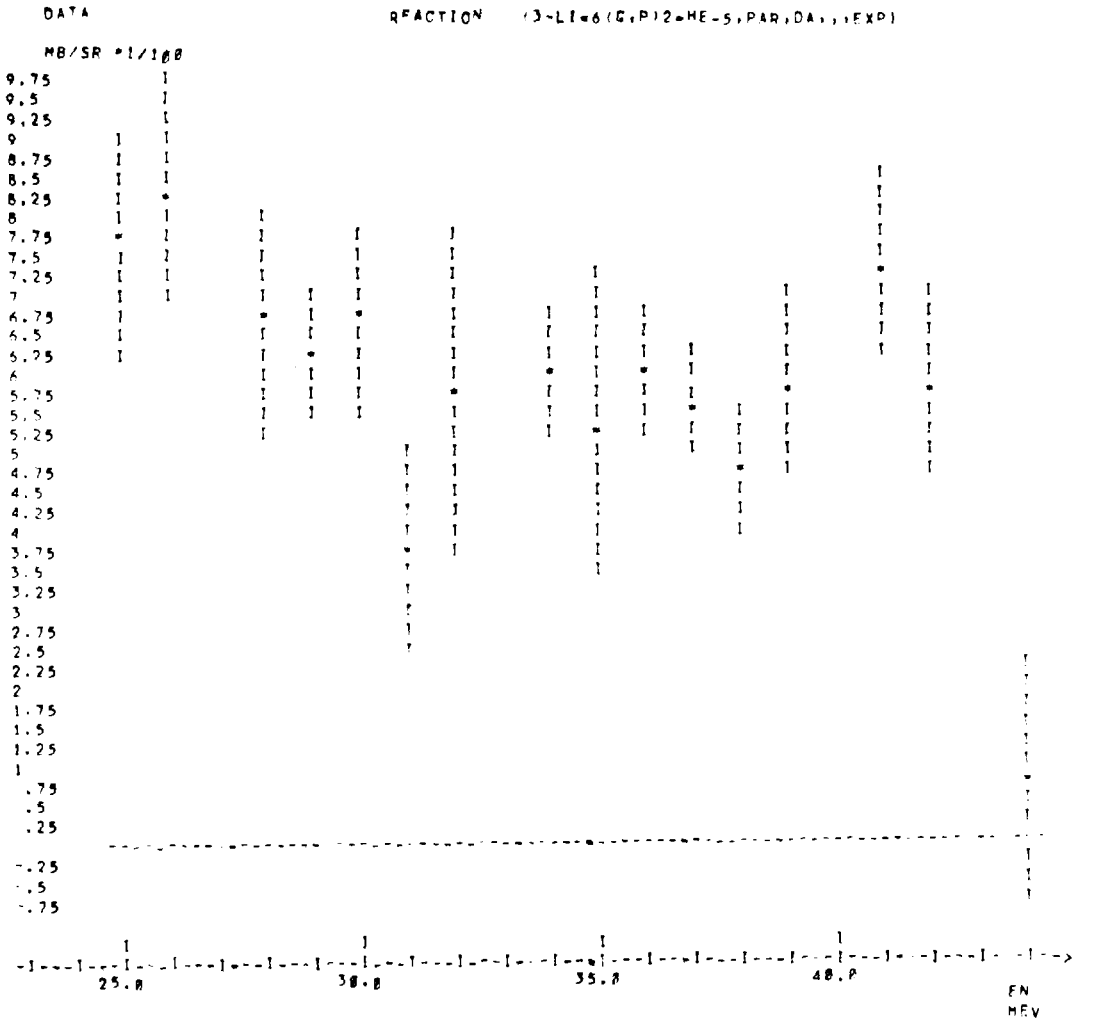


CODE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS	
LI843	J,1ZV,37,(1),107,73V,P,DEN[SOV	*ANG	90, ADEG
LI843010(3-LI-6(G,P)2-HE-5,PAR,DA,,,EXP)		*E-MIN	10, MEV
		*SPIN J	1.5 NO-DIM

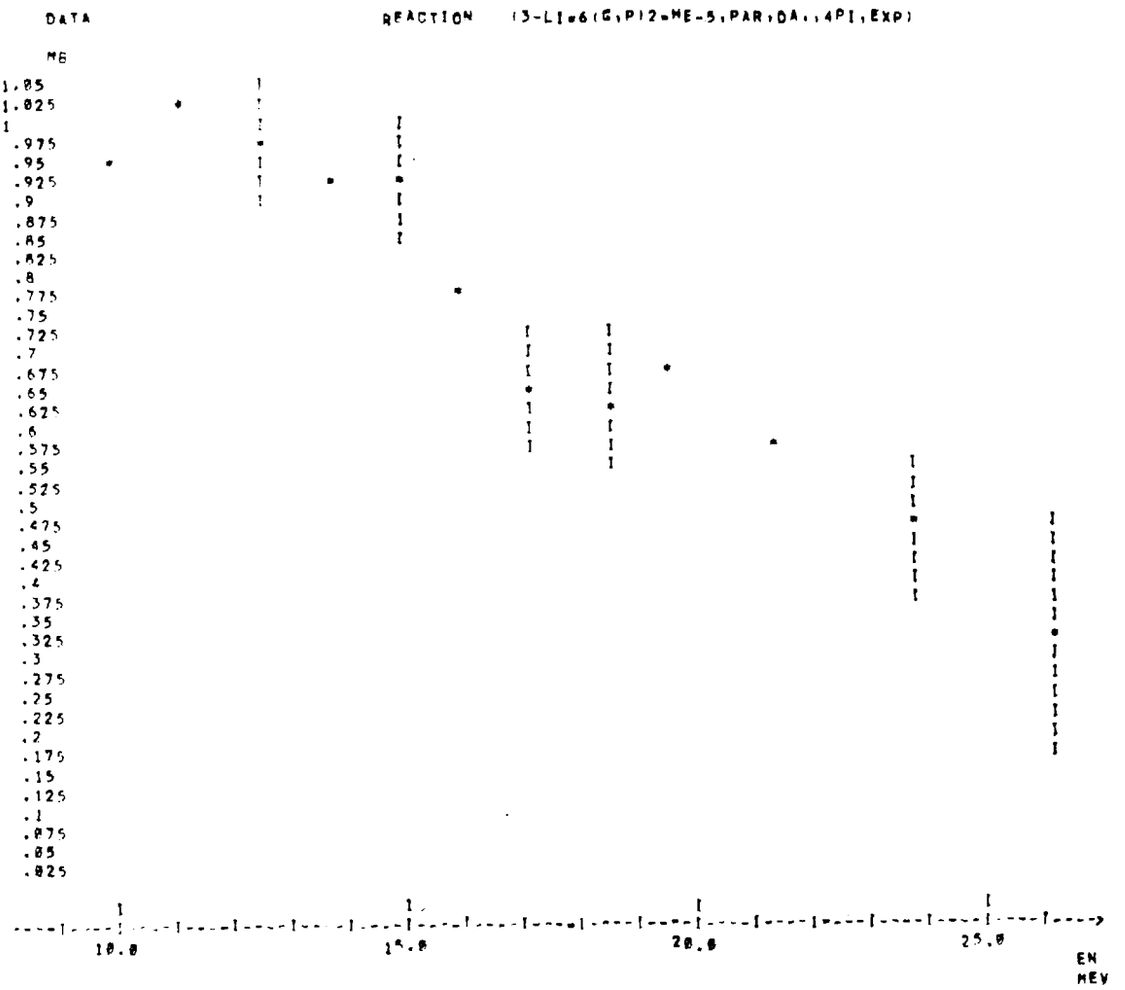
EN	MEV	25.	26.	28.	29.	30.	31.
DATA	MB/SR	0.073	0.082	0.065	0.061	0.065	0.036
DATA-ERR	MB/SR	0.013	0.014	0.013	0.008	0.012	0.013

32.	34.	35.	36.	37.	38.	39.	41.
0.056	0.059	0.052	0.058	0.055	0.047	0.057	0.072
0.019	0.008	0.019	0.007	0.006	0.007	0.011	0.011

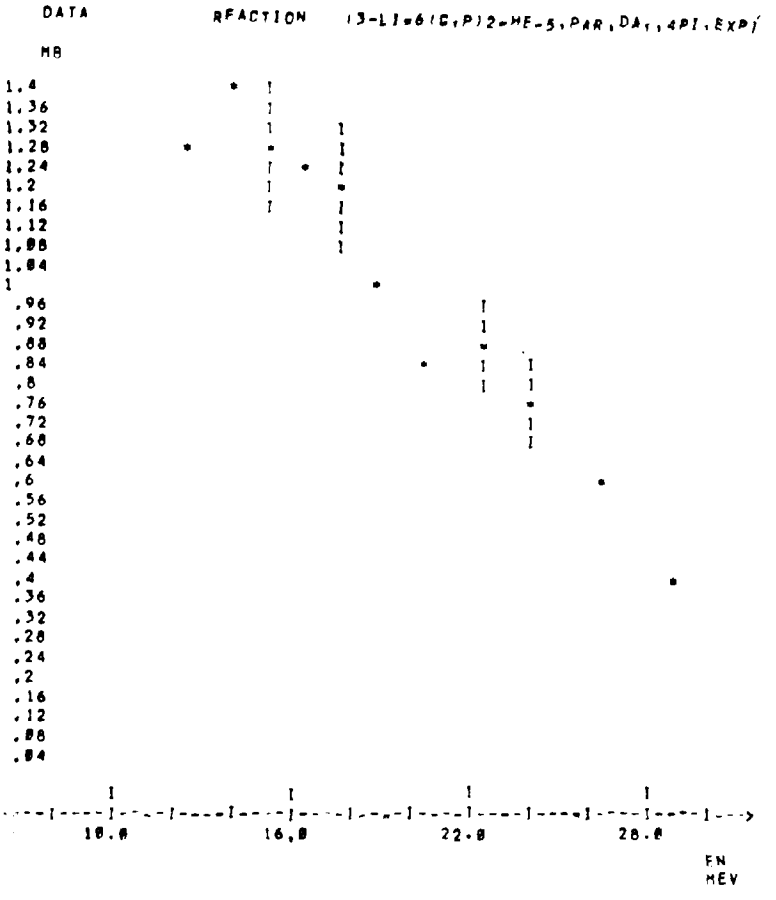
42.	44.
0.057	0.087
0.011	0.014



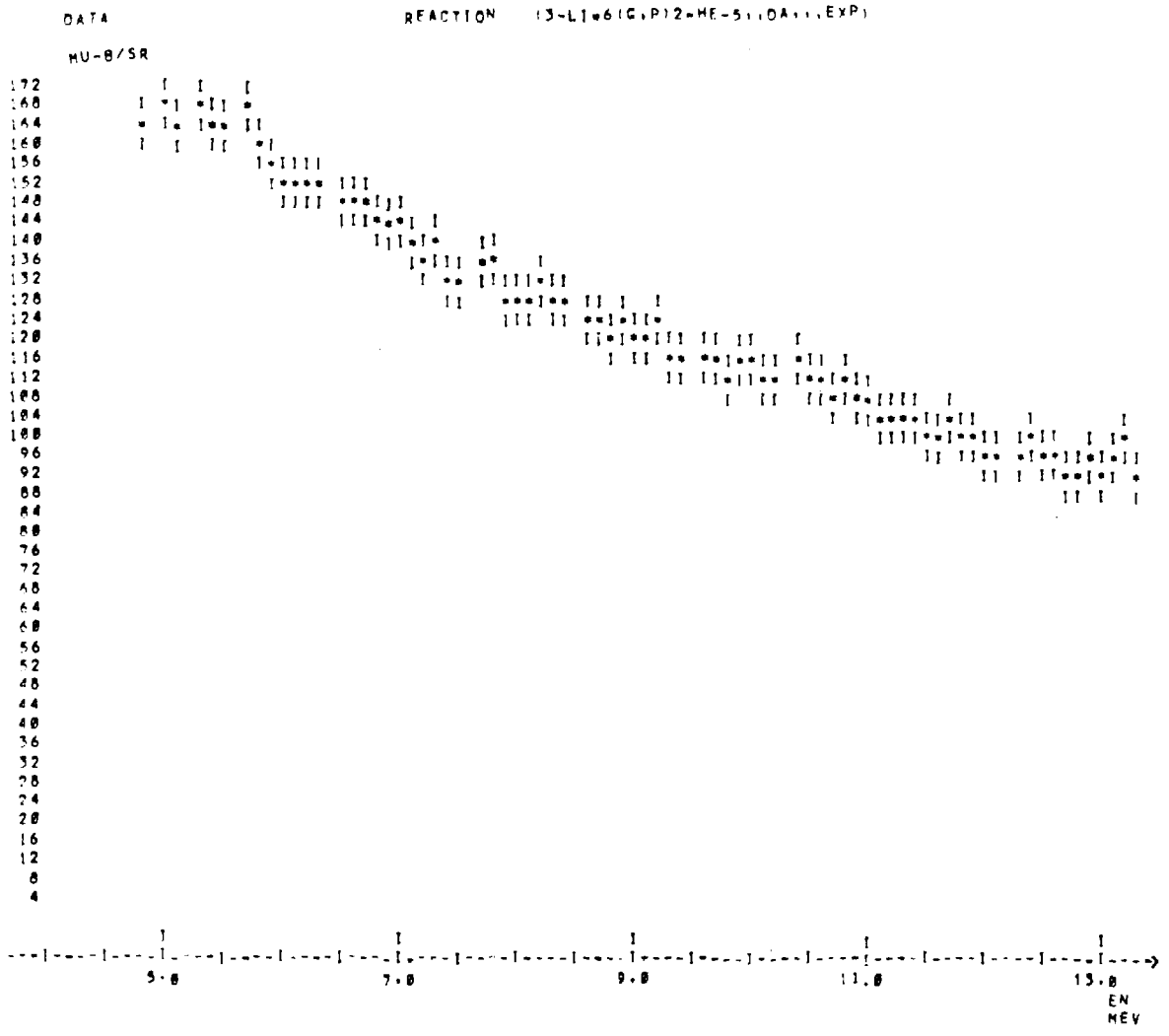
```
*****************************************************************************************
*                 COFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI043   J,IZV,37,(1),107,73V.P,DENISOV                  *ANG              90,     ADEG     *
*        LI043011(3-LI-6(G,P)2-HE-5,PAR,DA,,4PI,EXP)             *E-LVL             0,     MEV      *
*                                                                *                                   *
*                                                                *                                   *
*****************************************************************************************
* EN          MEV        *    10.0   *    11.3   *    12.5   *    13.7   *    14.9   *    16.1
* DATA        MB                0.93       1.02       0.97       0.92       0.91       0.75
* DATA-ERR    MB                                      0.08                  0.08
 *    17.3   *    18.5   *    19.6   *    21.4   *    23.8   *    26.2
      0.63       0.62       0.66       0.57       0.45       0.3
      0.08       0.08                              0.08       0.15
```

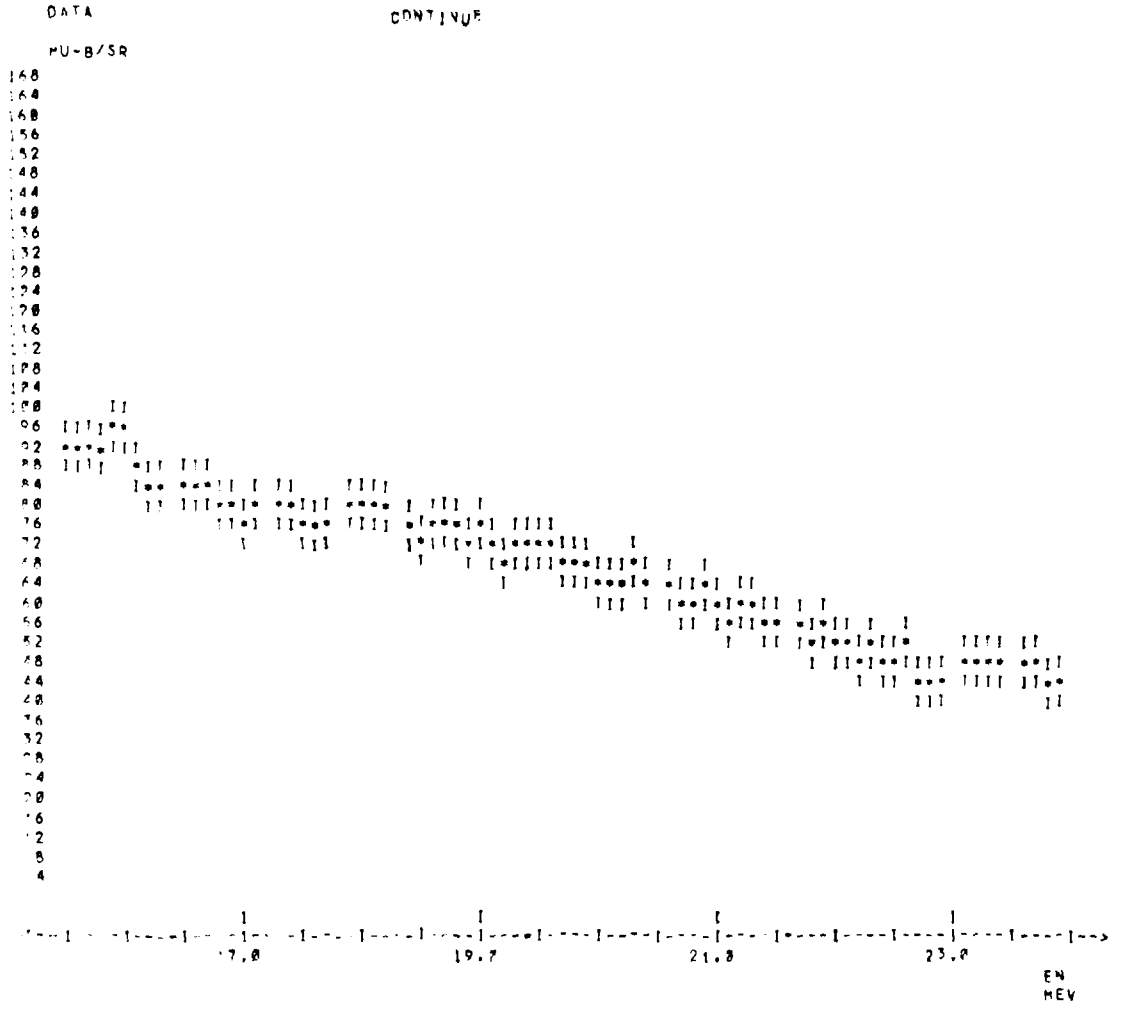


CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS			
LI843 J,[ZV,37,(1),187,73V,P,DEN]SDV LI843012(3-LI-6(G,P)2-HE-5,PAR,DA,,4PI,EXP)						ANG E-LVL		θ_0, 2.6	ADEG MEV
EN MEV		12.4	13.9	15.1	16.3	17.5	18.7		
DATA MB		1.27	1.58	1.27	1.2	1.18	0.98		
DATA-ERR MB				0.11		0.12			
20.4	22.3	24.1	26.4	28.8					
0.82	0.84	0.72	0.58	0.38					
	0.88	0.88							

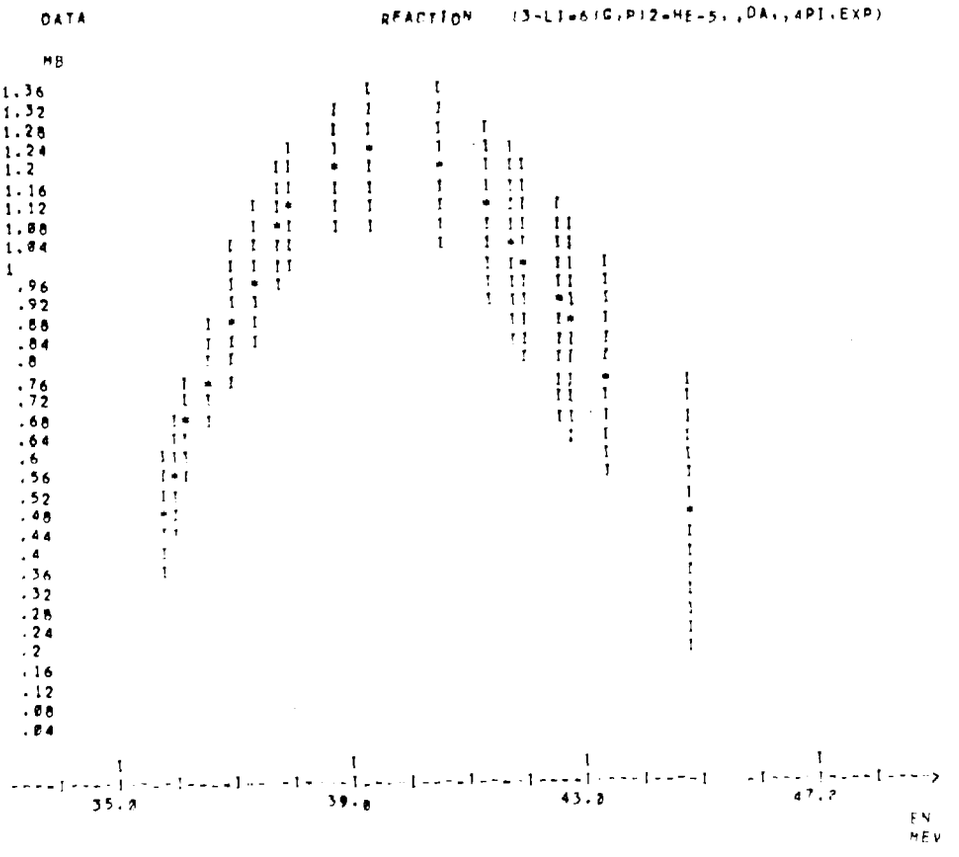


CODE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI052 J,ZP/A,291,353,79 G,JANCHANS LI052002(3-LI-6(G,P)2-HE-5,,DA,,,EXP)						ANG EN=MAX	90, 35,	ADEG MEV
EN	MEV	6.8	7.	7.1	7.3	7.4	7.5	
DATA	MU-B/SR	162.3	146.8	163.8	166.6	162.8	162.	
DATA-ERR	MU-B/SR	4.	4.	4.	4.	4.	4.	
7.7	7.8	7.9	8.	8.1	8.2	8.3	8.5	
166.8	157.8	153.2	151.1	149.1	148.4	149.8	146.1	
4.	4.	4.	4.	4.	4.	4.	4.	
8.6	8.7	8.8	8.9	9.	9.1	9.2	9.3	
146.8	146.6	143.	142.8	141.5	139.8	135.7	136.2	
4.	4.	4.	4.	4.	4.	4.	4.	
9.4	9.5	9.7	9.8	9.9	10.	10.1	10.2	
131.2	131.2	132.2	132.2	127.8	126.8	127.2	128.5	
4.	4.	4.	4.	4.	4.	4.	4.	
10.25	10.3	10.4	10.6	10.7	10.8	10.9	11.0	
124.5	127.	126.3	123.7	120.2	119.3	120.5	119.3	
4.	4.	4.	4.	4.	4.	4.	4.	
11.1	11.2	11.3	11.4	11.6	11.7	11.8	11.9	
116.3	120.2	115.5	114.0	115.2	115.3	112.	113.5	
4.	4.	4.	4.	4.	4.	4.	4.	
12.	12.1	12.2	12.4	12.5	12.6	12.7	12.8	
114.5	110.7	110.7	112.7	108.6	108.5	106.2	108.3	
4.	4.	4.	4.	4.	4.	4.	4.	
12.9	12.95	13.	13.1	13.2	13.3	13.4	13.5	
106.	107.7	107.1	102.4	100.1	101.4	100.6	98.1	
4.	4.	4.	4.	4.	4.	4.	4.	
13.6	13.7	13.8	13.9	14.	14.1	14.3	14.4	
96.1	100.4	96.2	99.6	94.5	94.7	93.7	96.4	
4.	4.	4.	4.	4.	4.	4.	4.	
14.5	14.6	14.7	14.8	14.9	15.	15.1	15.2	
94.3	93.7	90.2	91.6	93.3	89.9	92.4	96.2	
4.	4.	4.	4.	4.	4.	4.	4.	
15.3	15.5	15.6	15.7	15.8	15.9	16.	16.05	
90.6	89.7	91.4	90.1	91.6	94.2	92.6	89.8	
4.	4.	4.	4.	4.	4.	4.	4.	
16.1	16.2	16.3	16.5	16.6	16.7	16.8	16.9	
86.9	82.6	81.9	80.8	82.9	81.2	78.7	78.6	
4.	4.	4.	4.	4.	4.	4.	4.	
17.0	17.1	17.3	17.4	17.5	17.6	17.7	17.9	
75.7	76.4	77.	76.2	73.5	74.4	75.8	77.1	
4.	4.	4.	4.	4.	4.	4.	4.	
18.	18.1	18.2	18.4	18.5	18.6	18.7	18.8	
77.1	77.5	76.5	73.4	71.2	73.	72.5	72.1	
4.	4.	4.	4.	4.	4.	4.	4.	
18.9	19.	19.1	19.2	19.3	19.4	19.5	19.6	
72.	73.5	71.	66.9	69.9	70.3	69.5	68.2	
4.	4.	4.	4.	4.	4.	4.	4.	
19.7	19.8	19.9	20.	20.1	20.2	20.3	20.4	
67.8	66.6	64.9	63.9	64.	63.7	64.5	60.6	
4.	4.	4.	4.	4.	4.	4.	4.	
20.6	20.7	20.8	20.9	20.95	21.	21.1	21.2	
60.9	57.	59.4	60.2	57.1	54.8	55.2	57.3	
4.	4.	4.	4.	4.	4.	4.	4.	
21.3	21.4	21.5	21.7	21.8	21.9	22.	22.1	
57.6	54.6	53.6	52.4	50.1	52.6	51.5	48.5	
4.	4.	4.	4.	4.	4.	4.	4.	
22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	
47.5	48.7	47.7	47.	48.1	44.	43.9	43.9	
4.	4.	4.	4.	4.	4.	4.	4.	
23.1	23.2	23.3	23.4	23.6	23.7	23.8	23.9	
45.4	44.3	44.5	44.4	45.6	47.2	43.3	41.5	
4.	4.	4.	4.	4.	4.	4.	4.	

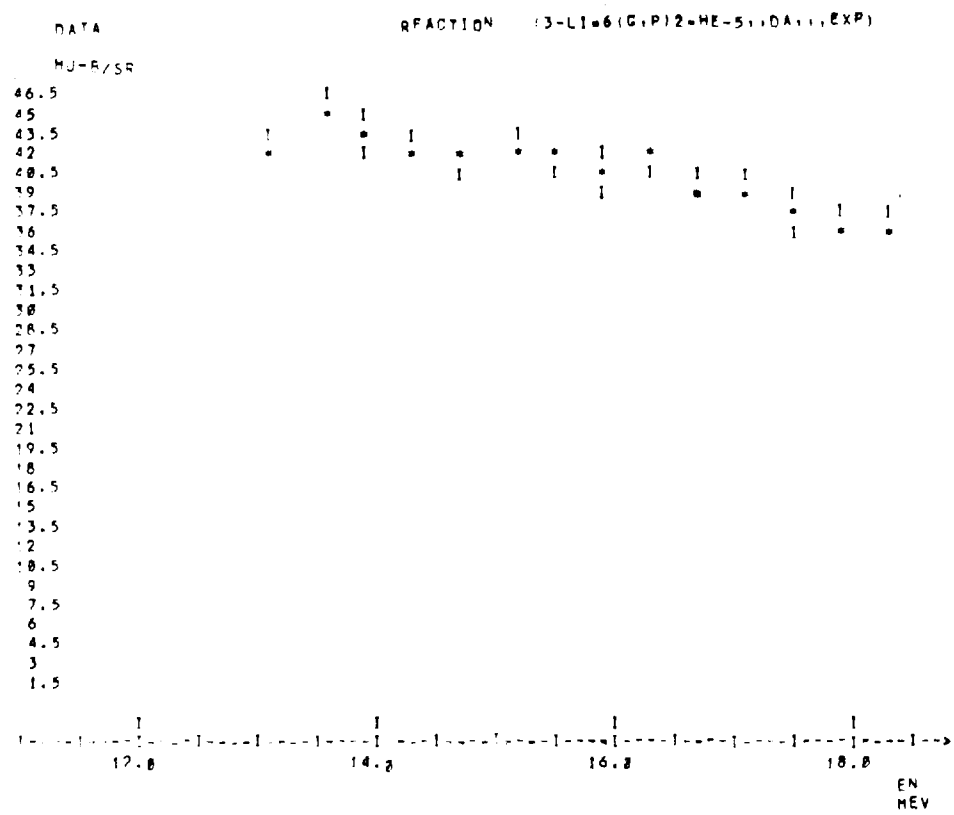

DATA
REACTION (3-LI*6(G,P)2-HE-5,,DA,,,EXP)
MU-B/SR
172
168
164
160
156
152
148
144
140
136
132
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
68
64
60
56
52
48
44
40
36
32
28
24
20
16
12
8
4
5.0
7.0
9.0
11.0
13.0
EN
MEV


DATA
CONTINUE
MU-B/SR
17.0
19.7
21.8
23.0
EN
MEV

CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI#43 J,IZV,37,(1),187,73V,P,DENISOV						*ANG	9A,	ADEG
LI#43#13(3-LI-6(G,P12-HE-5,,DA,,4PI,EXP)						*E-MIN	3,	MEV
EN	MEV	35.76	36.02	36.24	36.59	36.93	37.09	
DATA	MB	0.45	0.55	0.64	0.75	0.87	0.9	
DATA-ERR	MB	0.12	0.12	0.11	0.11	0.14	0.13	
37.32	37.84	37.99	38.72	39.44	40.53	41.34	41.75	
0.95	1.06	1.11	1.18	1.22	1.19	1.89	1.83	
0.13	0.11	0.12	0.13	0.14	0.15	0.17	0.2	
42.85	42.54	42.82	43.32	44.1	44.81			
0.98	0.89	0.84	0.75	0.61	0.47			
0.2	0.22	0.23	0.23	0.26	0.28			

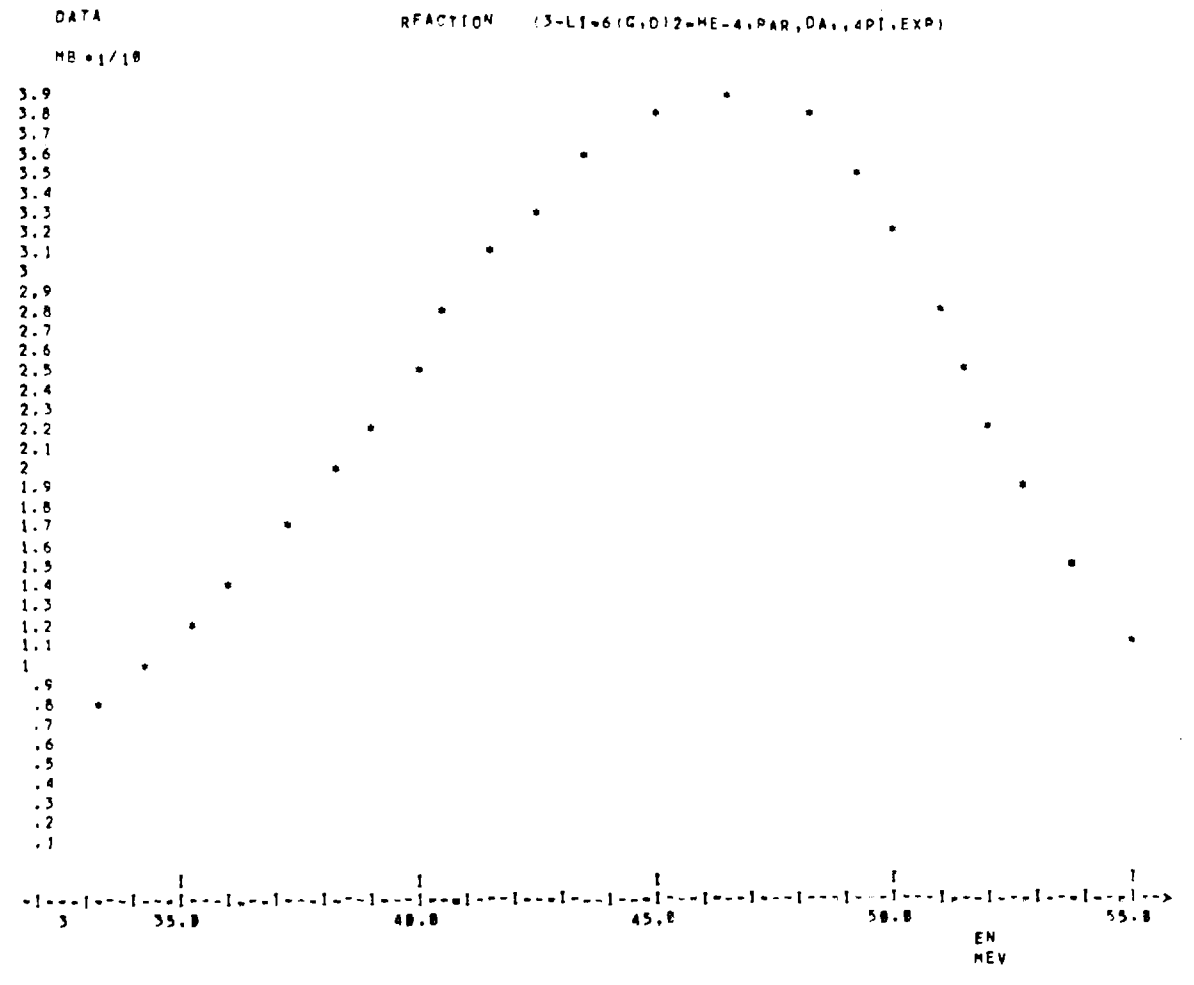


COFF PHOTONUCLEAR DATA SHEETS					COMMON PARAMETERS		
LI053 J,PR/C,,9,1144,79 D,M,SKOPIK					ANG 54.	ADEC	
LI053002(3-LI-6(G,P)2-HE-5,,DA,,,EXP)							
EN	HEV	13.12	13.56	13.94	14.32	14.72	15.15
DATA	MU-B/SR	42.	45.	43.	42.	41.	42.
DATA-ERR	MU-B/SR	1.	1.	2.	1.	1.	1.
15.53	15.92	16.34	16.69	17.89	17.5	17.92	18.32
41.	40.	41.	39.	39.	37.	36.	36.
1.	1.	1.	1.	1.	1.	1.	1.



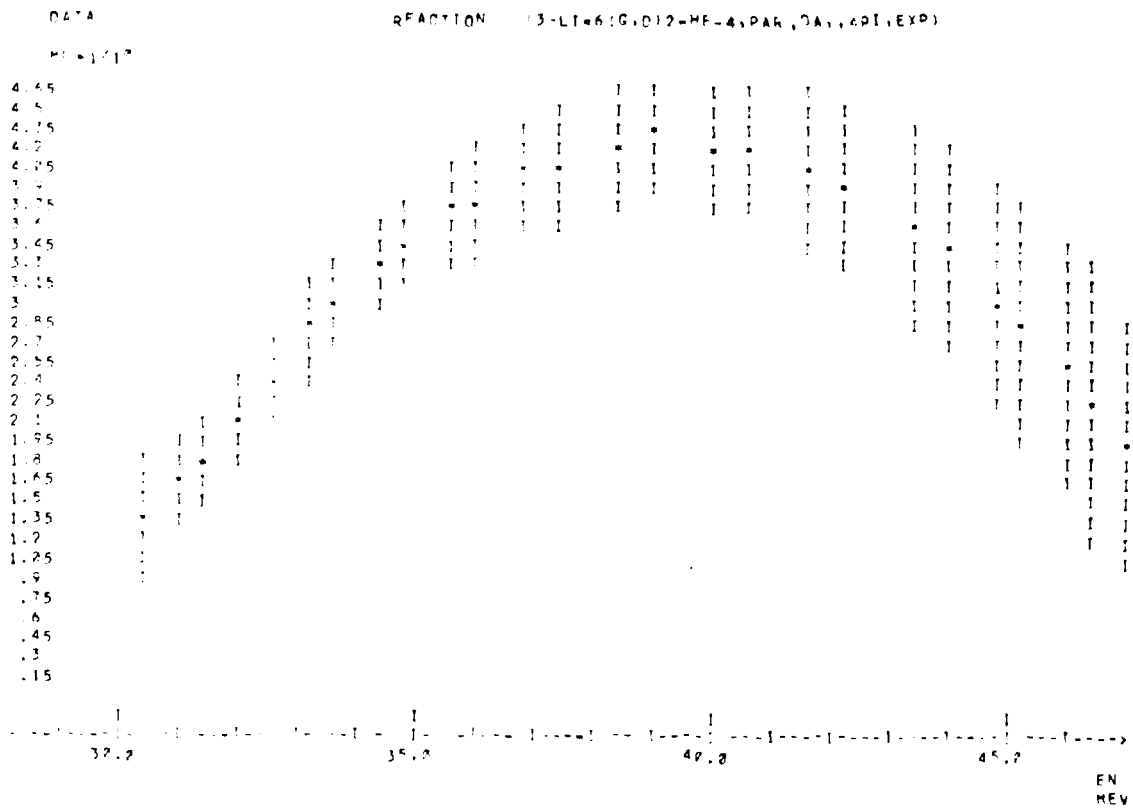
CDFE PHOTONUCLEAR DATA SHEETS			COMMON PARAMETERS		
LI023 J,AUJ,18,389,65 P,J,DALLMORE			ANG	15.	ADEG
LI023002(3-LI-6(G,D)2-HE-4,,BIG,,AV,EXP)					
EN-MIN	MEV	1.82			
EN-MAX	MEV	4.1			
DATA	MICRO_B	0.67			
DATA-ERR	MICRO_B	0.1			

CDFE PHOTONUCLEAR DATA SHEETS					COMMON PARAMETERS		
LI032 J,VF,5,(3),498,67 V,P,DENISOV					ANG	90.	ADEG
LI032006(3-LI-6(G,D)2-HE-4,PAR,DA,,4PI,EXP)					E-MIN	5.	MEV
					E-MAX	17.	MEV
EN	MEV	33.3	34.3	35.2	36.1	37.3	38.3
DATA	MB	0.071	0.09	0.113	0.134	0.166	0.192
39.1	40.	40.6	41.5	42.4	43.5	45.1	46.6
0.219	0.246	0.271	0.3P2	0.329	0.355	0.376	0.384
48.2	49.2	50.	50.9	51.4	52.	52.7	53.8
0.374	0.348	0.316	0.271	0.241	0.213	0.184	0.142
54.9	55.7						
0.104	0.082						



CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI243 J,IZV,3?,(1),107,73V,P,DENISOV	ANG 90, ADEG
LI243015(3-LI-6(G,D)2-HE-4,PAR,DA,,4PI,EXP)	E-MIN 4, MEV

EN	MEV		30.37		30.95		31.33		31.98		32.5		33.12
DATA	MB		0.13		0.16		0.18		0.21		0.24		0.27
DATA-ERR	MB		0.04		0.03		0.03		0.03		0.03		0.03
33.64		34.36		34.82		35.57		35.98		36.86		37.31		38.43
0.29		0.32		0.34		0.36		0.37		0.39		0.4		0.41
0.03		0.03		0.03		0.04		0.04		0.04		0.04		0.04
38.99		40.05		40.6		41.68		42.29		43.32		43.96		44.86
0.42		0.41		0.41		0.4		0.38		0.35		0.34		0.3
0.04		0.04		0.05		0.06		0.06		0.07		0.07		0.08
45.28		46.03		46.39		47.08								
0.28		0.25		0.22		0.19								
0.09		0.09		0.1		0.09								



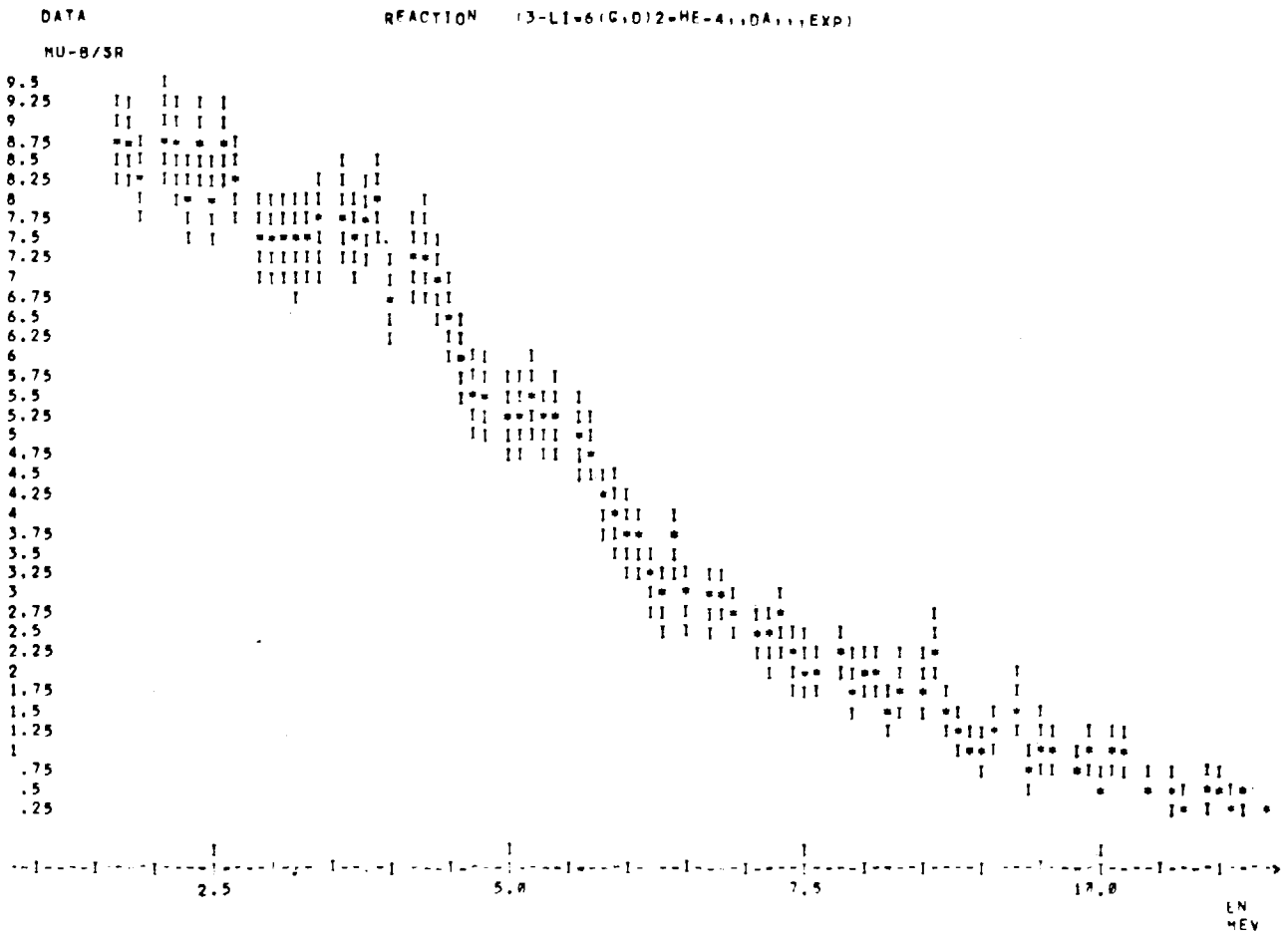
COFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

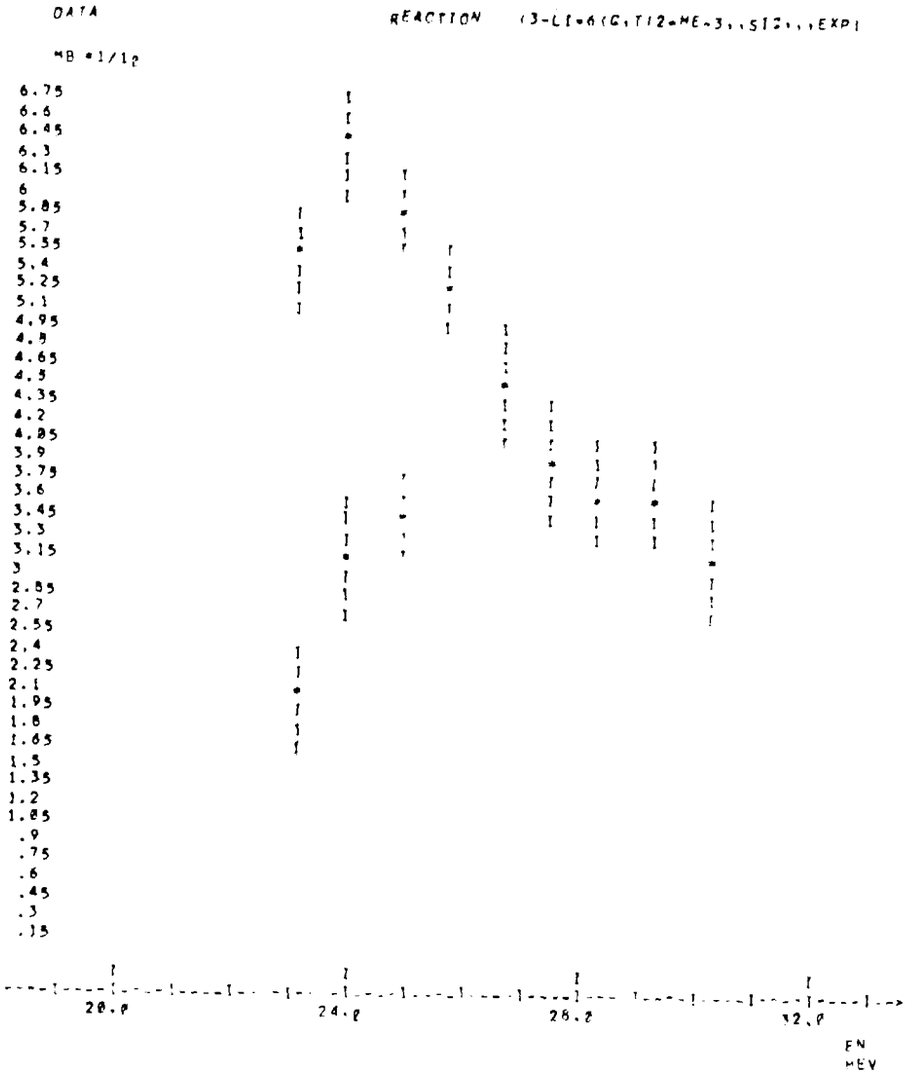
LI252 J,ZP/A,291,353,79 C,JANGHANS
LI252006/3-LI-6(G,01)2-HE-4,,DA,,EXP)

ANG 92, ADEG
EN-MAX 35, MEV

EN	MEV	4.2	4.3	4.4	4.6	4.7	4.8
DATA	MU-B/SR	8.52	8.55	8.1	8.7	8.5	7.83
DATA-ERR	MU-B/SR	0.49	0.57	0.56	0.4	0.5	0.5
4.9	5.	5.1	5.2	5.4	5.5	5.6	5.7
8.62	7.81	8.65	8.08	7.43	7.33	7.36	7.25
0.55	0.49	0.55	0.55	0.55	0.51	0.5	0.5
5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.7
7.43	7.53	7.74	7.32	7.67	7.91	6.58	7.13
0.49	0.55	0.58	0.57	0.54	0.58	0.53	0.54
6.8	6.9	7.	7.1	7.2	7.3	7.5	7.6
7.24	6.81	6.36	5.87	5.48	5.42	5.13	5.13
0.55	0.5	0.48	0.51	0.49	0.52	0.45	0.43
7.7	7.8	7.9	8.1	8.2	8.3	8.4	8.5
5.27	5.03	5.01	4.83	4.72	4.02	3.84	3.6
0.48	0.46	0.49	0.49	0.46	0.46	0.44	0.45
8.6	8.7	8.8	8.9	9.	9.2	9.3	9.4
3.57	3.03	2.85	3.5	2.76	2.8	2.89	2.64
0.39	0.37	0.39	0.38	0.42	0.36	0.33	0.33
9.6	9.7	9.8	9.9	10.	10.1	10.3	10.4
2.38	2.29	2.56	2.05	2.	1.94	2.16	1.76
0.32	0.3	0.34	0.3	0.32	0.3	0.31	0.29
10.5	10.6	10.7	10.8	11.	11.1	11.2	11.3
1.86	1.82	1.38	1.71	1.73	2.19	1.48	1.13
0.29	0.29	0.25	0.31	0.31	0.32	0.27	0.23
11.4	11.5	11.6	11.8	11.9	12.	12.1	12.3
0.96	0.8	1.24	1.45	0.69	1.	0.84	0.75
0.19	0.21	0.25	0.32	0.21	0.24	0.23	0.23
12.4	12.5	12.6	12.7	12.9	13.1	13.2	13.4
0.97	0.47	0.82	0.92	0.46	0.39	0.29	0.31
0.27	0.1	0.29	0.27	0.17	0.19	0.14	0.11
13.5	13.6	13.7	13.9	14.1	14.3		
0.44	0.19	0.3	0.16	0.19	0.26		
0.18	0.15	0.15	0.07	0.1	0.11		

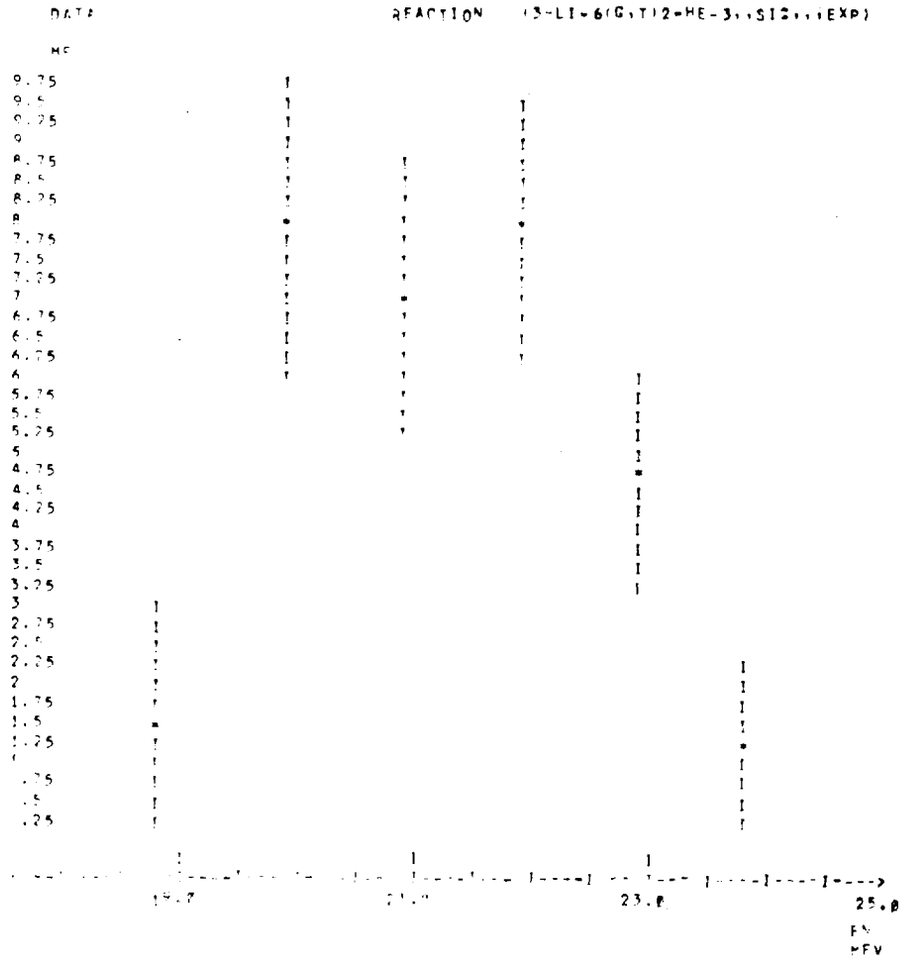

DATA
REACTION (3-LI-6(G,D)2-HE-4,,DA,,,EXP)
MU-8/3R
9.5
9.25
9
8.75
8.5
8.25
8
7.75
7.5
7.25
7
6.75
6.5
6.25
6
5.75
5.5
5.25
5
4.75
4.5
4.25
4
3.75
3.5
3.25
3
2.75
2.5
2.25
2
1.75
1.5
1.25
1
.75
.5
.25
2.5
5.0
7.5
10.0
EN
MEV

COFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS			
LI024 J,NC/B,48,(3),300,6C,MANUZJ,0									
LI024005(3-LI-6(G,T12=ME-3,,SIG,,,EXP)									
EN	MEV	22.9	23.7	24.7	25.5	26.5	27.4		
DATA	MB					0.44	0.39		
DATA-MIN	MB	0.2	0.31	0.34	0.48				
DATA-MAX	MB	0.54	0.63	0.58	0.51				
DATA-ERR	MB	0.04	0.04	0.03	0.03	0.04	0.04		
28.3	29.2	30.2							
0.36	0.36	0.31							
0.04	0.04	0.04							



COFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS
LI016 J,DOK,I=6,14),774,6A,P,KOMAR LI016004(3-LI-6(G,T)2-HE-3,,SIG,,,EXP)		

EN	MEV	18.9	19.9	20.9	21.9	22.9	23.8
DATA	MB	1.5	7.8	6.8	7.75	4.5	1.2
DATA-ERR	MB	1.3	1.9	1.7	1.6	1.4	1.0



COFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS
LI026 J,NP,68,191,55 E,B,RAZHANOV LI026008(3-LI-6(G,T)2-HE-3,,SIG,,,EXP)		

EN	MEV	18.9	19.9	20.9	21.9	22.9	23.8
DATA	MB	1.5	7.8	6.8	7.7	4.5	1.2
DATA-ERR	MB	1.3	1.9	1.7	1.6	1.4	1.0

COFE PHOTONUCLEAR DATA SHEETS

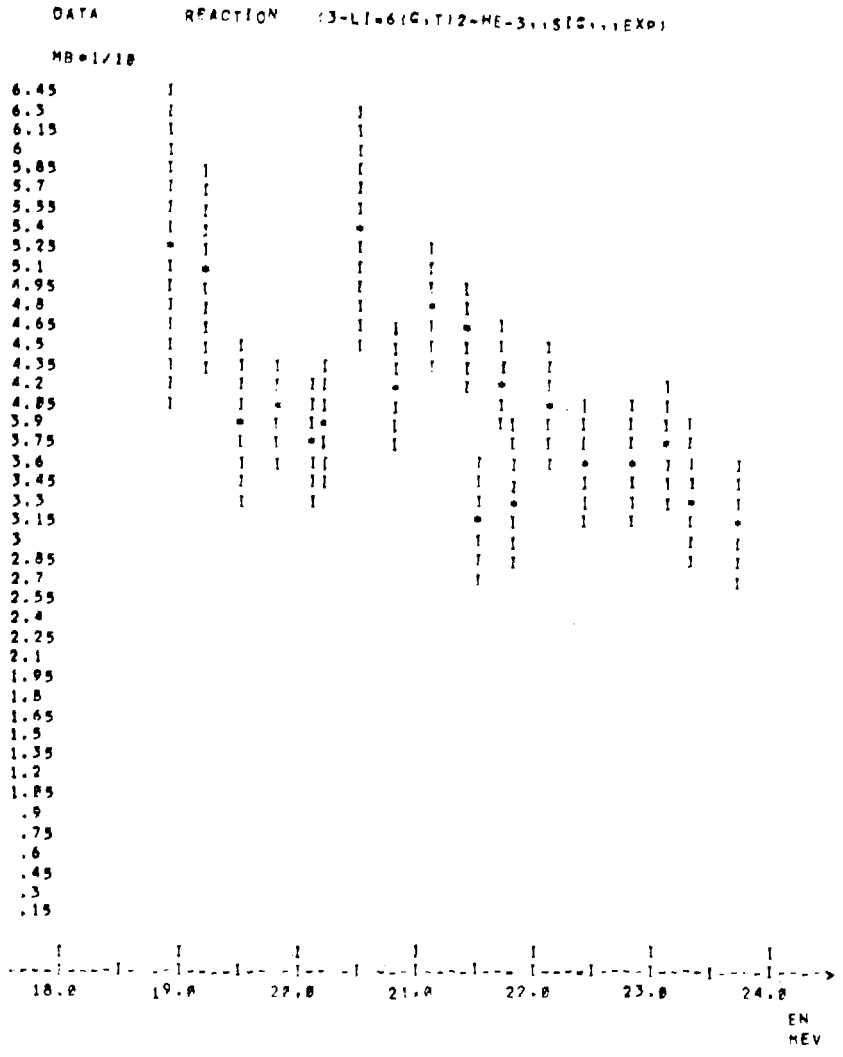
COMMON PARAMETERS

LI038 J.PRL,17,(1),31,66 N.K.SHERMAN

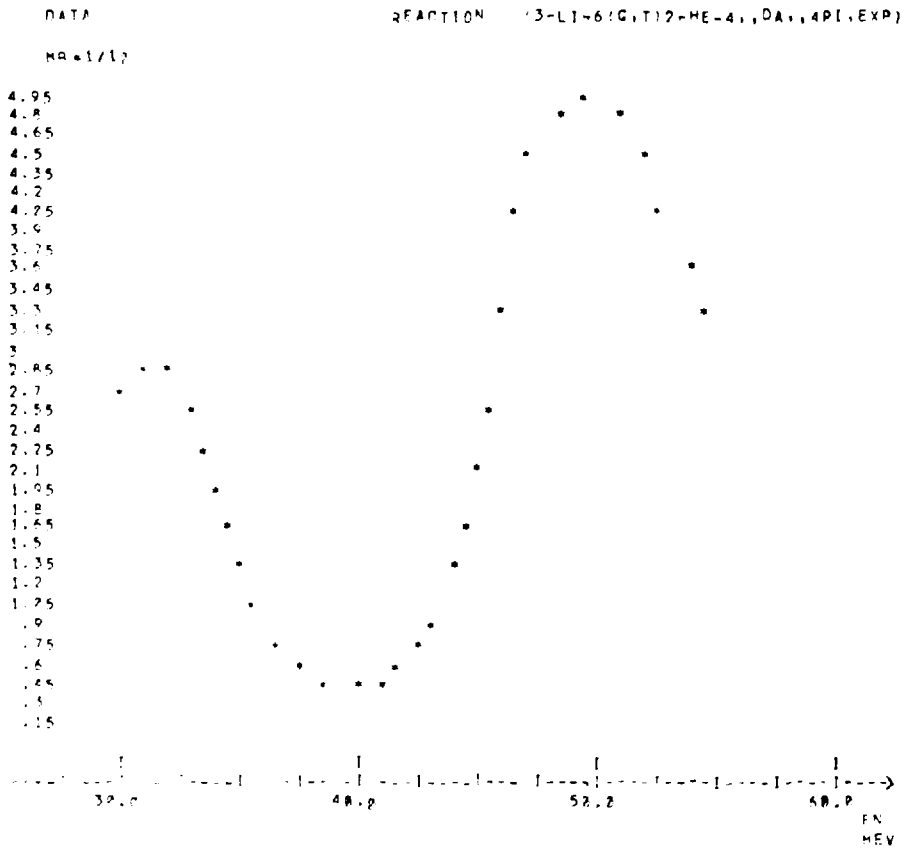
LI038002(3-LI-6(G,T)2-HE-3,,SIG,,EXP)

EN-MAX 40, MEV

EN	MEV		18.9	19.19	19.2	19.5	19.51	19.8
DATA	MB		0.52	0.9	0.32	0.38	0.52	0.39
DATA-ERR	MB		0.12	0.08	0.07	0.06	0.08	0.04
19.81	20.1	20.11	20.2	20.49	20.5	20.51	20.8	
0.45	0.37	0.51	0.58	0.53	0.37	0.35	0.41	
0.09	0.05	0.09	0.04	0.09	0.04	0.05	0.04	
20.81	21.1	21.11	21.4	21.5	21.7	21.8	22.1	
0.34	0.47	0.38	0.45	0.31	0.42	0.33	0.4	
0.04	0.04	0.0	0.04	0.04	0.04	0.05	0.04	
22.4	22.8	23.1	23.3	23.7				
0.35	0.35	0.37	0.33	0.31				
0.04	0.04	0.04	0.05	0.05				



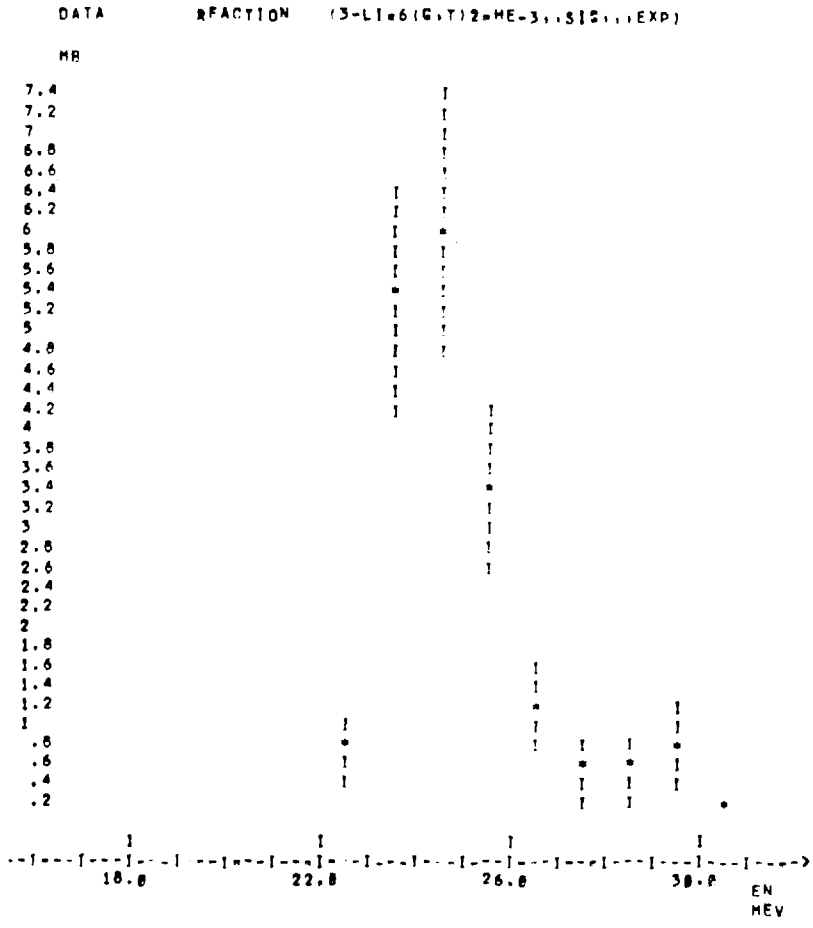
```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        -I032   J,VF,5,(3),498,67  V,P,DENISOV                 *ANG              90,     ADEG     *
*        -I032028(3-LI-6(G,T)2-HE-3,PAR,DA,,4PI,EXP)             *E-MIN            5,      MEV      *
*                                                                *E-MAX            17,     MEV      *
*                                                                *                                  *
*****************************************************************************************
* EN          MEV        *    30.2    *    31.2    *    32.2    *    33.     *    33.5    *    33.9
* DATA        MB              0.27        0.28        0.272       0.246       0.218       0.191
*    34.4    *    34.8    *    35.4    *    36.4    *    37.4    *    38.6    *    39.9    *    40.8
     0.155       0.127       0.1         0.07        0.052       0.039       0.038       0.044
*    41.7    *    42.4    *    43.2    *    43.9    *    44.6    *    45.     *    45.4    *    45.9
     0.057       0.07        0.09        0.121       0.156       0.199       0.249       0.321
*    46.5    *    47.2    *    48.3    *    49.5    *    50.5    *    51.8    *    52.7    *    53.9
     0.394       0.444       0.476       0.489       0.478       0.44        0.396       0.352
*    54.5
     0.325
```



CDE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI033 J,NC/B,55,(2),684,6A,MURAKAMI	
LI033003(3-LI-6(G,T)2-HE-3,,SIG,,,EXP)	

EN	MEV	22.5	23.5	24.5	25.5	26.5	27.5
DATA	MB	0.64	5.25	5.97	3.3	1.09	0.41
DATA-ERR	MB	0.28	1.11	1.24	0.81	0.4	0.23

28.5	29.5	30.5
0.41	0.69	0.16
0.23	0.32	

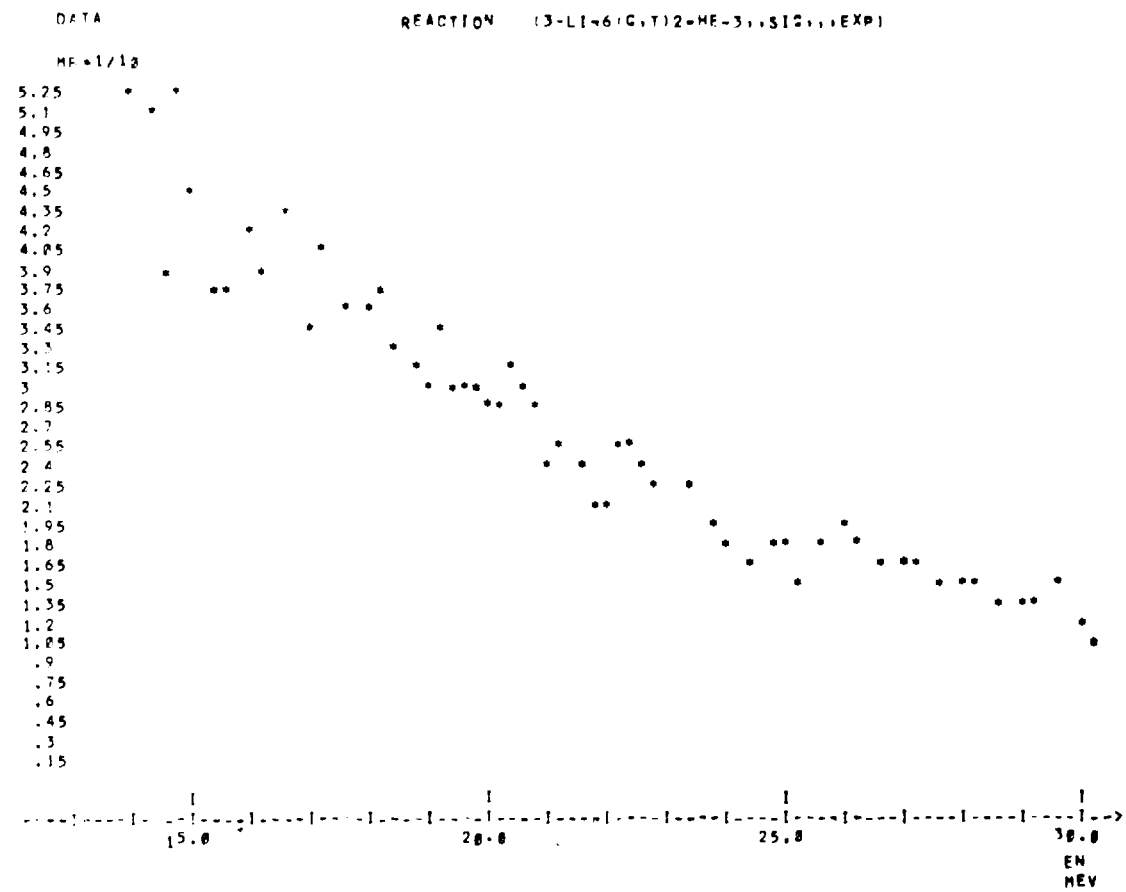


CDFE PHOTONUCLEAR DATA SHEETS

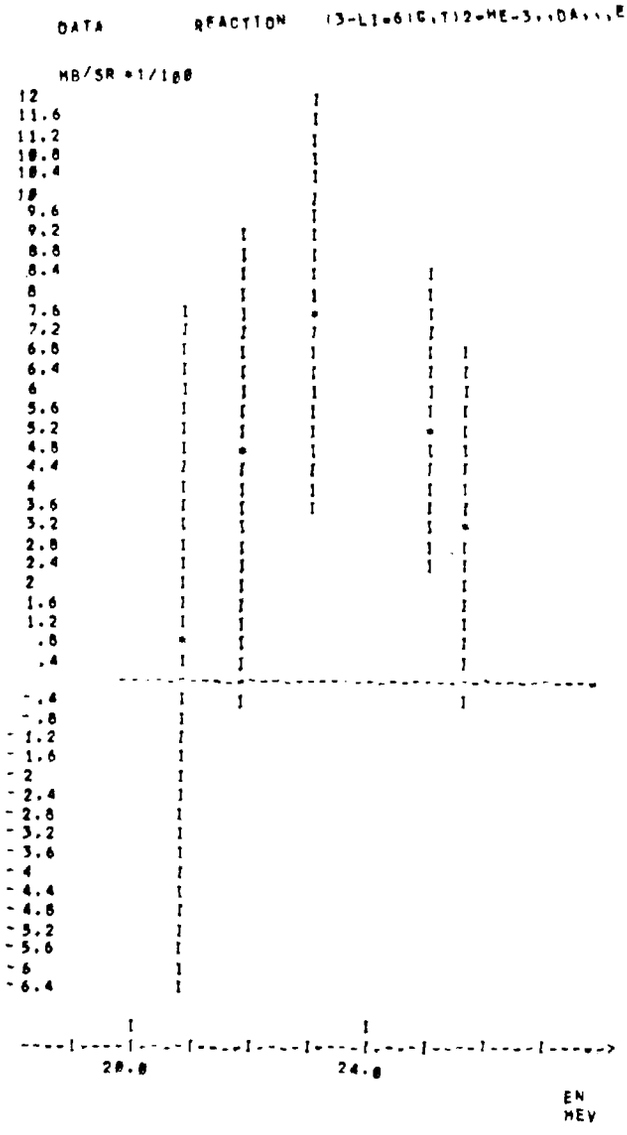
COMMON PARAMETERS

LI834 J,PR,169,(4),771,68N,K,SHERMAN
LI834882(3-LI-6(G,T)2-HE-3,,SIG,,,EXP)

EN	MEV		19.85	19.52	19.33	19.62	19.71	19.97
DATA	MB		0.518	0.495	0.321	0.375	0.521	0.449
19.98	20.31	20.32	20.33	20.62	20.66	20.94	20.99	
0.391	0.365	0.379	0.316	0.373	0.529	0.411	0.34	
21.22	21.23	21.58	21.59	21.91	21.92	22.24	22.58	
0.384	0.473	0.429	0.309	0.336	0.414	0.393	0.349	
22.93	23.27	23.49	23.83	23.99	24.17	24.35	24.49	
0.35	0.369	0.329	0.31	0.293	0.333	0.294	0.34	
24.55	24.7	24.8	25.	25.1	25.3	25.4	25.6	
0.287	0.298	0.286	0.274	0.325	0.283	0.305	0.286	
25.7	25.9	26.	26.2	26.3	26.5	26.6	26.8	
0.271	0.239	0.258	0.243	0.261	0.228	0.27	0.21	
26.9	27.1	27.2	27.4	27.5	27.7	27.8	28.1	
0.197	0.224	0.25	0.247	0.238	0.213	0.242	0.218	
28.4	28.7	29.	29.4	29.7	30.	30.3	30.6	
0.212	0.185	0.166	0.153	0.172	0.178	0.15	0.17	
30.9	31.2	31.6	31.9	32.25	32.63	32.91	33.26	
0.19	0.179	0.162	0.159	0.16	0.149	0.148	0.138	
33.6	33.92	34.18	34.58	34.92	35.23			
0.125	0.129	0.13	0.136	0.119	0.182			



CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS			
LI838 J,GJP,48,1917,78 C,F,WONG						ANG	90.	ADEC	
LI838015(3-LI-6(G,T)2-ME-3,,DA,,,EXP)						EN-MAX	90.	MEV	
EN	MEV	20.0	21.0	23.0	25.0	25.5			
DATA	MB/SR	0.006	0.045	0.076	0.050	0.032			
DATA-ERR	MB/SR	0.007	0.045	0.040	0.030	0.032			



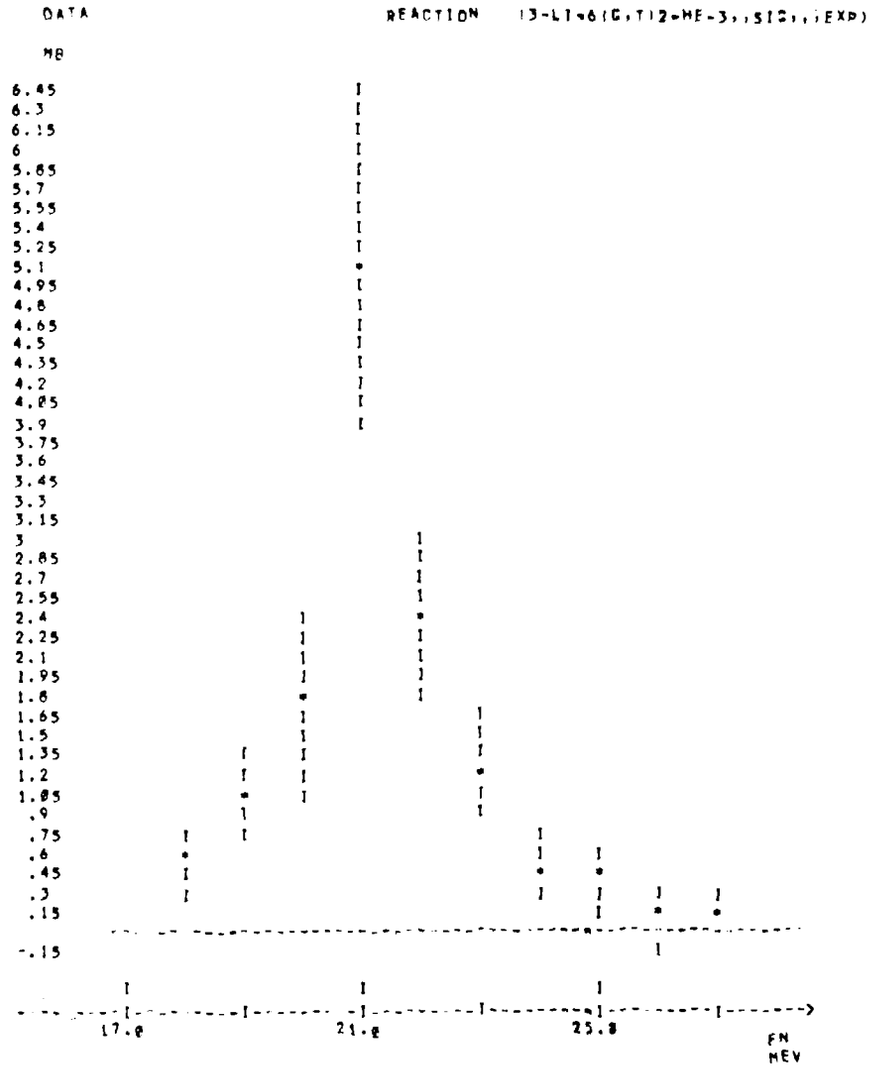
COFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

LI848 J,JPJ,2A,(1),1,78 A,MURAKAMI
LI848002(3-LI-6(G,T)2-HE-3,,SIG,,,EXP)

EN	MEV		18.	19.	20.	21.	22.	24.
DATA	MB		0.47	0.98	1.7	5.08	2.29	1.2
DATA-ERR	MB		0.21	0.33	0.65	1.25	0.59	0.39

24.	25.	26.	27.
0.41	0.33	0.1	0.13
0.2	0.2	0.11	0.1



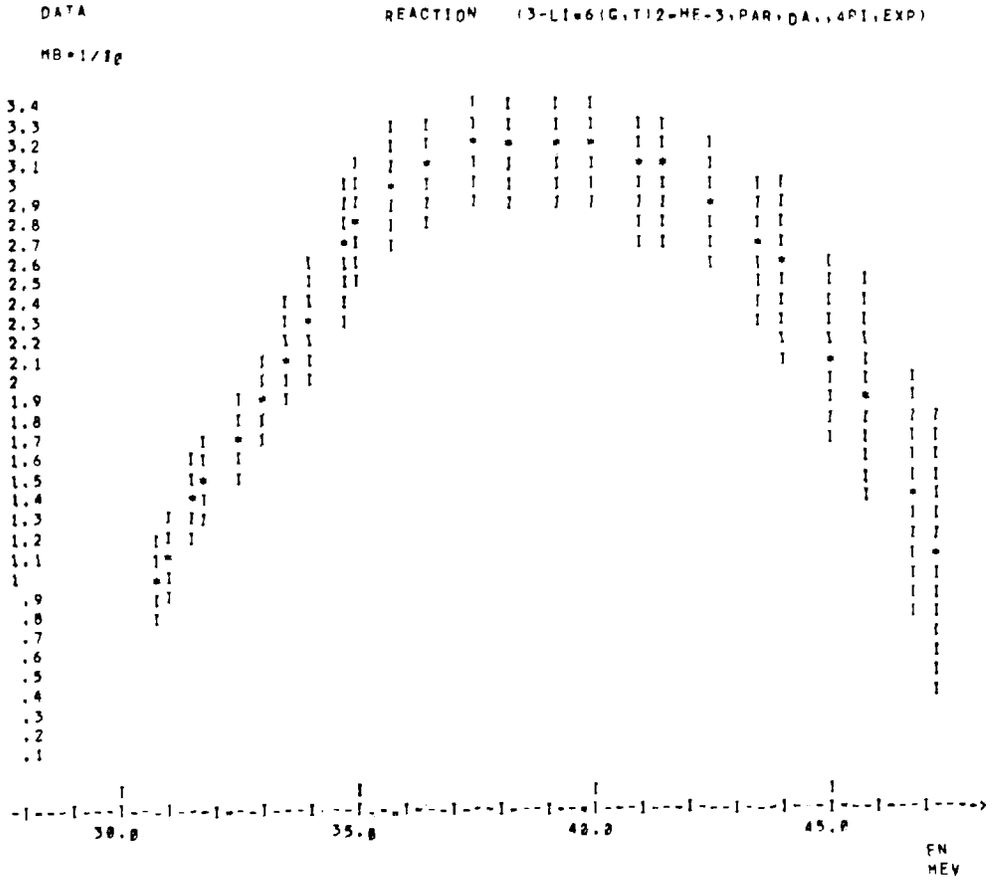
COFE PHOTONUCLEAR DATA SHEETS

L1043 J,1ZV,37,(1),187,73V,P,DENISOV
L1043#17(3-LI-6(G,T)2-HE-3,PAR,DA,,4PI,EXP)

COMMON PARAMETERS

ANG 90.
E-MIN 4. ADEG MEV

EN MEV		30.68	31.03	31.56	31.86	32.4	32.88
DATA MB		0.1	0.11	0.14	0.15	0.17	0.19
DATA-ERR MB		0.02	0.02	0.02	0.02	0.02	0.02
33.5	34.	34.63	35.07	35.79	36.47	37.46	38.29
0.21	0.23	0.26	0.27	0.29	0.3	0.31	0.31
0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.02
39.3	39.99	40.89	41.61	42.53	43.42	44.85	44.99
0.31	0.31	0.3	0.3	0.28	0.26	0.25	0.21
0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04
45.72	46.86	47.37					
0.19	0.14	0.11					
0.05	0.06	0.07					



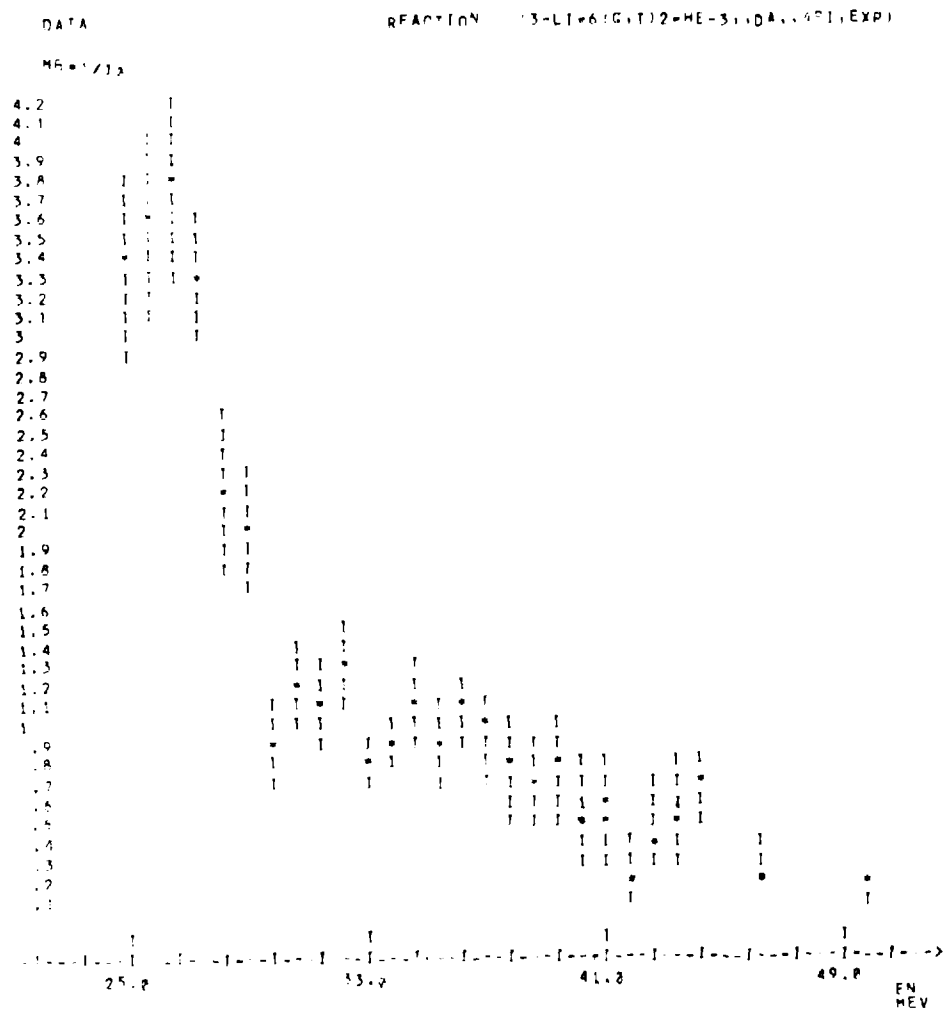
COFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

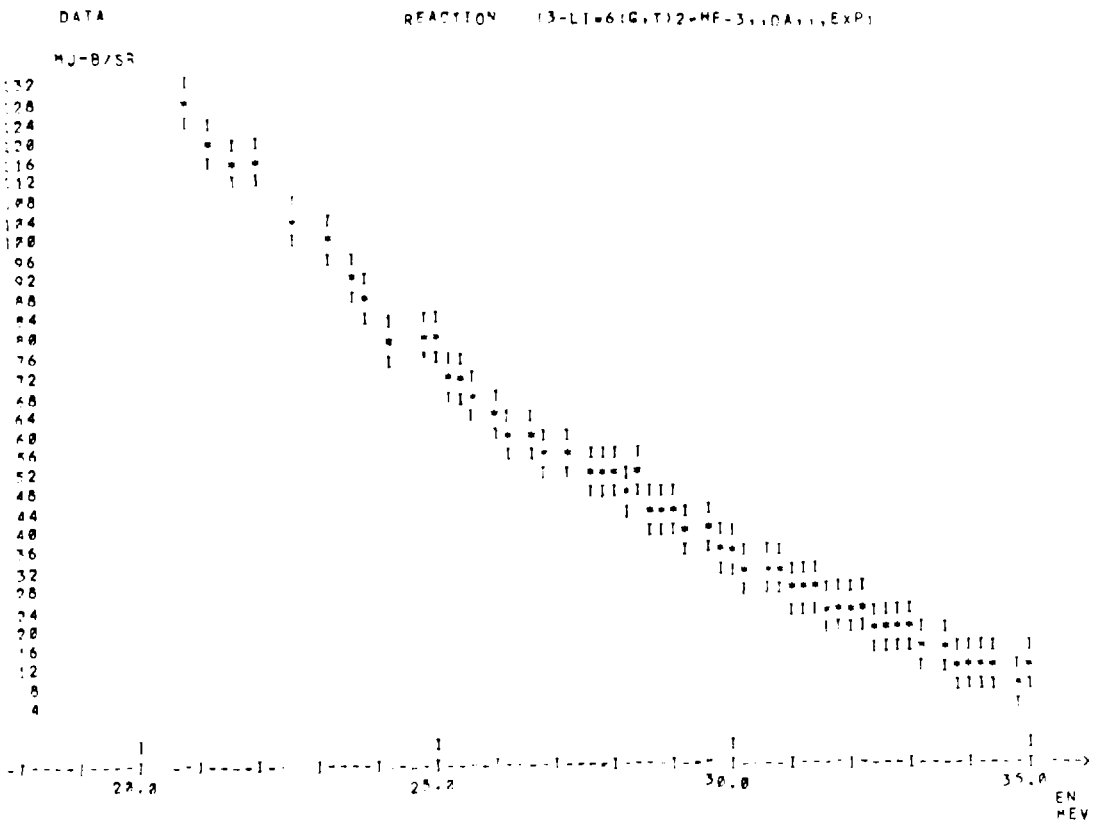
LI243 J+1ZV+37+(31+187+73V.P.DEN(SOV
LI6430193(3-LI-6(G+T)2-HE-3+,DA+,4PI+EXP)

ANG 90. ADEG

EN MEV		25.1	25.9	26.69	27.51	28.33	29.05
DATA MB		0.33	0.35	0.37	0.32	0.22	0.2
DATA-ERR MB		0.04	0.04	0.05	0.03	0.04	0.03
29.85	30.65	31.44	32.27	33.05	33.84	34.63	35.43
0.28	0.12	0.11	0.13	0.07	0.08	0.1	0.08
0.22	0.02	0.02	0.02	0.01	0.01	0.02	0.02
36.23	37.01	37.82	38.69	39.37	40.17	40.96	41.77
0.1	0.09	0.07	0.06	0.07	0.05	0.05	0.02
0.22	0.02	0.02	0.02	0.22	0.02	0.02	0.02
42.54	43.31	44.33	46.07	49.61			
0.24	0.05	0.06	0.02	0.21			
0.22	0.02	0.01	0.01	0.21			



```
*****************************************************************************************
*                CDF8 PHOTONUCLEAR DATA SHEETS                    *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI052   J,ZP/A,291,353,79  G.JANGHANS                     *ANG            90.      ADEG     *
*        LI052007(3-LI-6(G,T)2-HE-3,,DA,,,EXP)                     *EN-MAX         35.      MEV      *
*                                                                  *                                 *
*                                                                  *                                 *
*****************************************************************************************
* EN          MEV          *   20.3   *   21.2   *   21.6   *   22.    *   22.5   *   23.1
* DATA        MU-B/SR          127.2      119.0      115.5      112.2      102.2      99.4
* DATA-ERR    MU-B/SR            4.         4.         4.         4.         4.         4.
*   23.3    *   23.5    *   23.8   *   24.1   *   24.3   *   24.7   *   24.9   *   25.2
    96.3        90.7        87.4       81.7       79.        76.8       76.2       70.9
     4.          4.          4.         4.         4.         4.         4.         4.
*   25.4    *   25.6    *   25.9   *   26.3   *   26.6   *   26.8   *   27.1   *   27.3
    70.8        64.3        62.6       59.8       56.2       54.8       53.        53.3
     4.          4.          4.         4.         4.         4.         4.         4.
*   27.5    *   27.7    *   27.9   *   28.1   *   28.2   *   28.4   *   28.5   *   28.7
    51.         48.8        49.6       47.2       47.2       48.8       42.1       41.4
     4.          4.          4.         4.         4.         4.         4.         4.
*   28.9    *   29.1    *   29.3   *   29.5   *   29.6   *   29.8   *   30.    *   30.2
    40.8        38.6        37.8       37.8       35.3       34.2       33.2       31.2
     4.          4.          4.         4.         4.         4.         4.         4.
*   30.3    *   30.6    *   30.7   *   30.9   *   31.    *   31.2   *   31.4   *   31.5
    31.         30.9        29.8       27.4       26.        25.9       24.7       23.3
     4.          4.          4.         4.         4.         4.         4.         4.
*   31.8    *   31.9    *   32.    *   32.2   *   32.4   *   32.6   *   32.7   *   32.9
    22.9        21.6        21.        22.4       17.4       18.1       17.7       17.1
     4.          4.          4.         4.         4.         4.         4.         4.
*   33.2    *   33.5    *   33.8   *   34.    *   34.2   *   34.4   *   34.7   *   34.9
    14.8        13.2        10.1        9.         9.3        9.3        7.7        9.4
     4.          4.          4.         4.         4.         4.         4.         4.
```



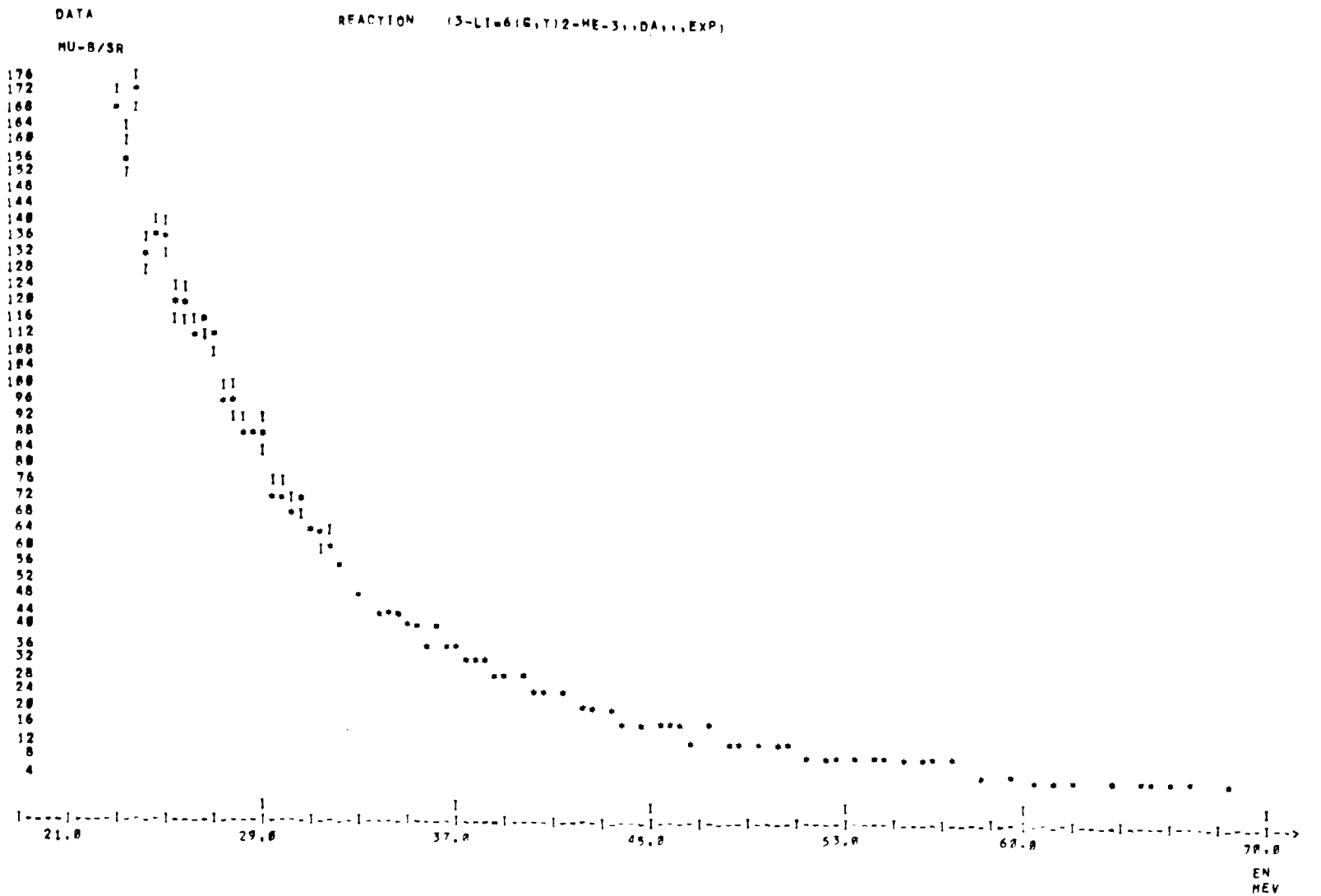
CDFE PHOTONUCLEAR DATA SHEETS

LI045 J,PL/B,55,297,75 Y.M.SHIN
LI045002(3-LI-6(G,T)2+HE-3,,DA),,EXP)

COMMON PARAMETERS

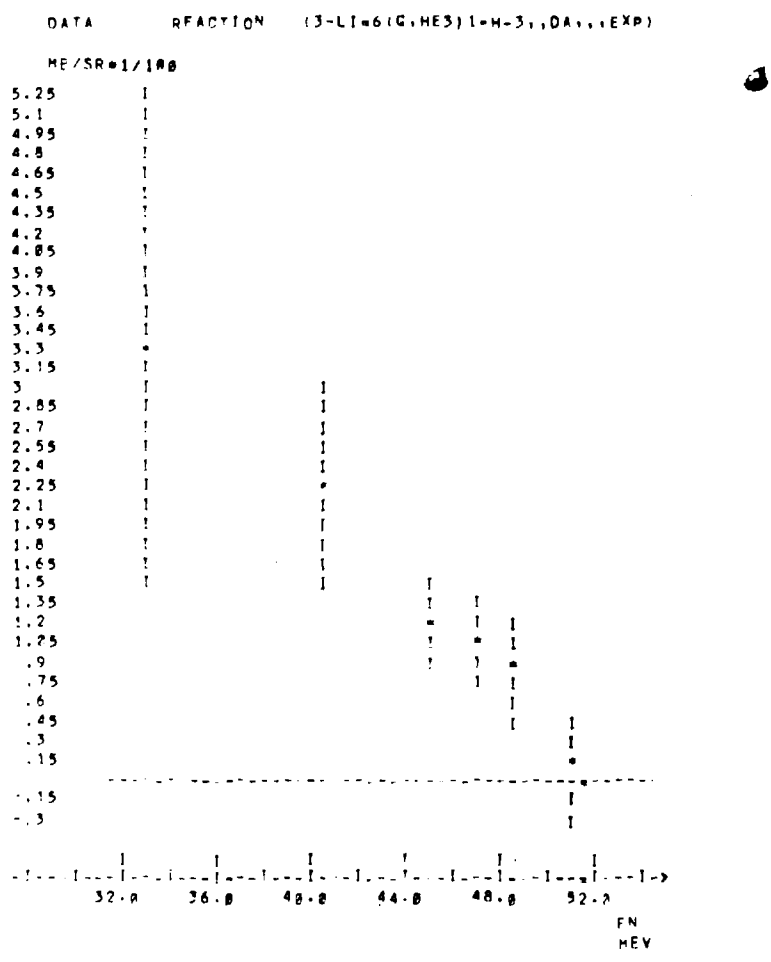
ANG 90. ADEG

EN	MEV	23.1	23.4	23.7	24.1	24.3	24.7
DATA	MU-B/SR	167.	155.8	169.3	129.4	147.2	135.9
DATA-ERR	MU-B/SR	2.8	7.1	3.9	2.7		2.3
25.1	25.3	25.7	26.1	26.4	26.8	27.1	27.5
133.7	118.2	118.3	111.8	112.7	108.2	87.8	94.5
3.	3.3	2.9	2.6	2.	3.	2.4	2.2
27.8	28.2	28.6	29.	29.3	29.6	30.	30.4
93.9	86.9	86.	84.5	70.8	71.9	67.2	68.9
2.2	2.1	1.9	3.9	2.1	2.1	2.2	1.6
30.8	31.1	31.5	31.9	32.2	33.1	33.8	34.1
62.4	62.9	60.9	59.6	56.	46.8	42.9	43.5
	2.3	1.8	1.9				
34.5	34.9	35.4	35.7	36.1	36.5	36.8	37.2
43.4	39.8	37.5	35.3	36.3	33.8	34.7	31.8
37.7	38.1	38.4	38.9	39.7	40.	40.8	41.6
28.8	31.5	26.9	26.9	25.4	22.	21.	21.7
42.4	42.7	43.2	43.9	44.7	45.2	45.9	46.3
18.7	18.1	16.5	14.2	12.8	15.3	13.7	13.6
46.8	47.5	48.4	48.8	49.5	50.4	50.7	51.5
12.	12.3	9.2	11.	9.7	8.5	9.2	6.7
52.4	52.7	53.6	54.3	54.8	55.5	56.3	56.8
7.1	5.9	6.2	5.7	6.7	5.3	5.3	5.1
57.5	58.8	59.9	60.5	61.2	62.	63.7	64.9
4.3	3.6	3.3	3.7	2.5	2.7	3.1	1.7
65.3	66.1	66.9	68.2				
2.5	2.	1.1	1.8				


DATA
REACTION (3-LI-6(G,T)2-HE-3,,DA,,,EXP)
MU-B/SR
176
172
168
164
160
156
152
148
144
140
136
132
128
124
120
116
112
108
104
100
96
92
88
84
80
76
72
68
64
60
56
52
48
44
40
36
32
28
24
20
16
12
8
4
21.0
29.0
37.0
45.0
53.0
60.0
70.0
EN
MEV

CDFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS	
LI038 J,C,JP,48,1917,78 C,F,WONG		ANG	90. ADEG
EI038014(3-LI-6(G,HE3)1-H-3,,DA,,,EXP)		EN-MAX	90. MEV

EN	MEV	32.9	40.7	44.8	46.8	48.7	51.1
DATA	MB/SR	0.033	0.022	0.011	0.01	0.008	0.001
DATA-ERR	MB/SR	0.018	0.008	0.003	0.003	0.004	0.003



CDFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

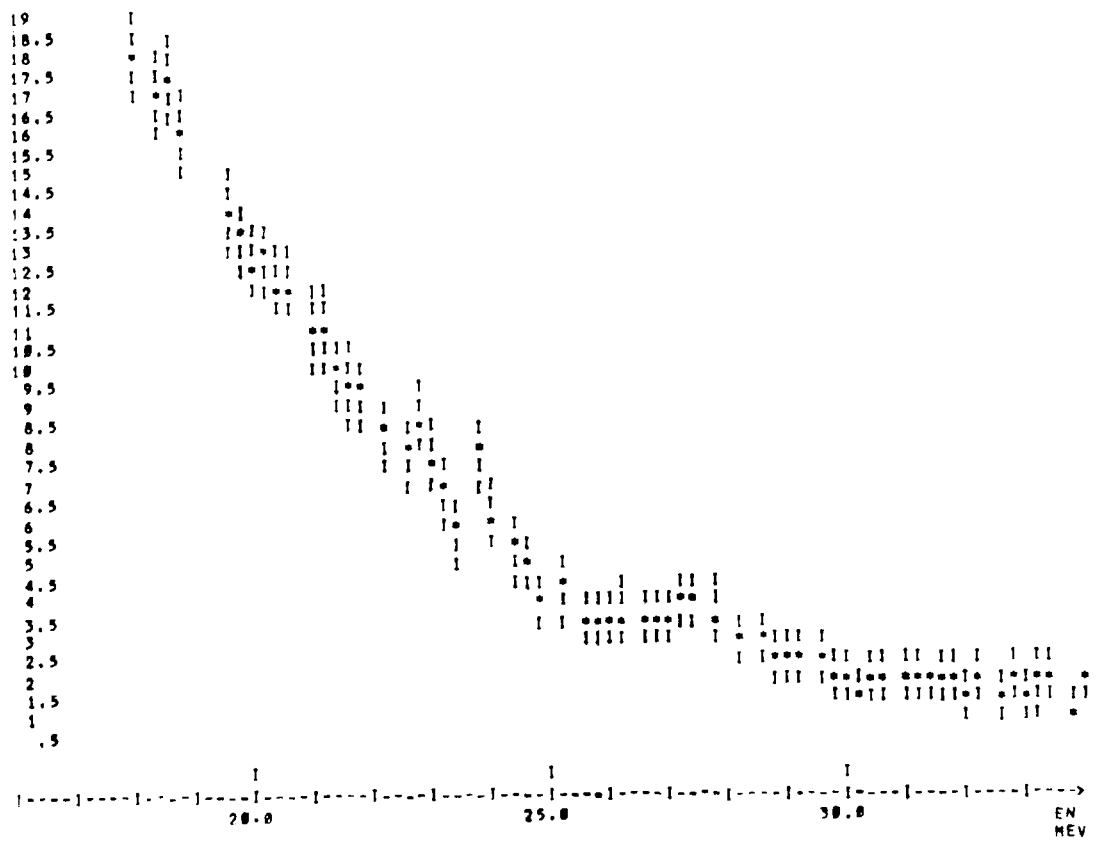
LI852 J,ZP/A,291,383,79 C,JANGHANS
LI852011(3-LI-6(G,A)1-H-2,,DA,,,EXP)

ANG 90.
EN-MAX 35. ADEG MEV

EN	MEV		17.9		18.1		18.4		18.6		18.8		19.1
DATA	MU-B/SR		18.1		17.9		16.6		17.1		15.9		16.4
DATA-ERR	MU-B/SR		1.		1.		1.		1.		1.		1.
19.5	19.7		20.		20.2		20.4		20.6		20.9		21.2
13.7	13.		12.4		12.5		11.9		11.9		10.8		10.7
0.9	0.9		0.9		0.9		0.9		0.9		0.9		0.9
21.4	21.6		21.8		22.1		22.3		22.5		22.8		23.
9.6	9.2		9.		8.9		8.1		7.5		8.4		7.3
0.8	0.8		0.8		0.8		0.7		0.7		0.8		0.7
23.2	23.4		23.7		23.9		24.1		24.4		24.6		24.8
6.5	5.6		7.5		5.9		5.9		5.		4.8		3.8
0.7	0.7		0.8		0.6		0.7		0.6		0.6		0.5
25.1	25.3		25.5		25.8		26.		26.2		26.5		26.7
3.9	4.		3.4		3.4		3.2		3.4		3.4		3.2
0.6	0.6		0.5		0.5		0.5		0.6		0.5		0.5
27.	27.2		27.4		27.7		27.8		28.1		28.3		28.6
3.3	3.6		3.7		3.4		2.8		2.6		2.7		2.7
0.6	0.6		0.6		0.6		0.4		0.4		0.5		0.5
28.8	29.		29.2		29.5		29.7		29.9		30.2		30.4
2.1	2.3		2.1		2.1		1.9		1.7		1.4		1.9
0.4	0.5		0.4		0.4		0.5		0.4		0.3		0.5
30.6	30.9		31.2		31.4		31.6		31.8		32.		32.3
1.8	1.6		1.8		1.6		1.8		1.7		1.5		1.8
0.4	0.5		0.5		0.4		0.4		0.5		0.5		0.4
32.5	32.8		33.		33.2		33.4		33.7		33.9		
1.3	1.8		1.2		1.6		1.7		1.		1.6		
0.5	0.4		0.4		0.6		0.5		0.4		0.4		

DATA REACTION (3-LI-6(G,A)1-H-2,,DA,,,EXP)

MU-B/SR

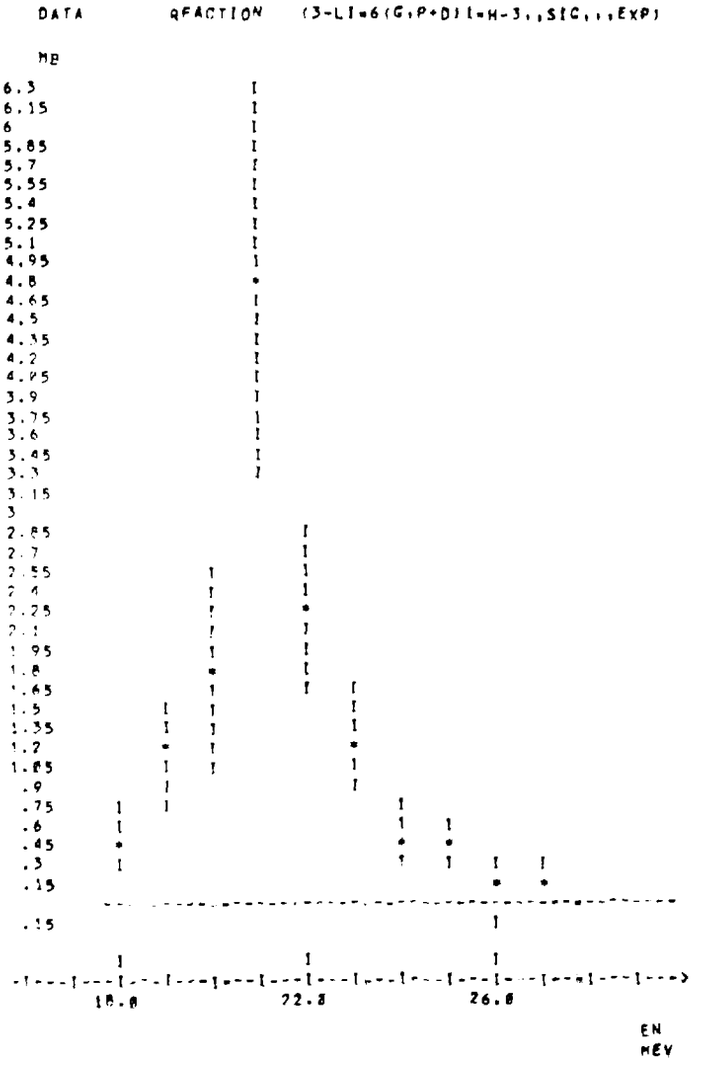


COFE PHOTONUCLEAR DATA SHEETS

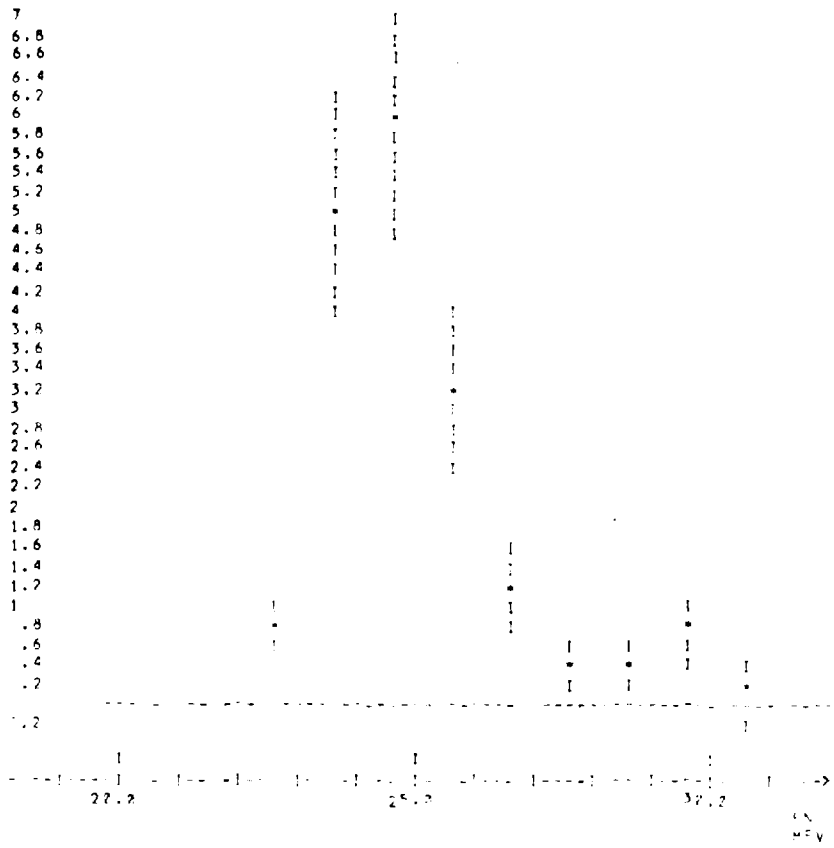
COMMON PARAMETERS

LI033 J,NC/B,55,(2),684,64,MURAKAMI
LI033002(3-LI-6(G,P+D)1-H-3,,SIG,,,EXP)

EN	MEV		18.	19.	20.	21.	22.	23.
DATA	MB		0.44	1.1	1.71	4.7	2.2	1.2
DATA-ERR	MB		0.2	0.36	0.75	1.45	0.59	0.4
24.	25.	26.	27.					
0.45	0.36	0.11	0.13					
0.22	0.18	0.14	0.13					



```
*****************************************************************************************
*                 COFE PHOTONUCLEAR DATA SHEETS                  *          COMMON PARAMETERS          *
*****************************************************************************************
*        LI040   J.JPJ,28,(1),1,70  A.MURAKAMI                   *                                     *
*        LI040006(3-LI-6(G,P+D)1-H-3,,SIG,,,EXP)                 *                                     *
*                                                                *                                     *
*                                                                *                                     *
*****************                                                *****************************************
* EN          MEV        *    22.5    *    23.5    *    24.5    *    25.[illegible]    *    26.5    *    27.5
* DATA        MB                0.57        4.95        5.8         3.28        1.03        0.35
* DATA-ERR    MB                0.27        1.05        1.18        0.[illegible]        0.39        0.22
 *    28.5    *    29.5    *    30.5
      0.39        0.64        0.12
      0.21        0.32        0.16
```



```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI051    J,YF,27,868,78      YU.M.VOLKOV                *ANG              90.     ADEG     *
*        LI051005(3-LI-6(G,T+P+N)1-H-1,,DA,,,EXP)                *E1-MIN           3.      MEV      *
*                                                                *E2-MIN           4.      MEV      *
*                                                                *                                  *
*****************                                                *****************************
* EN          MEV          *     48.
* EN-ERR      MEV                 6.
* DATA        MU-B/SR             9.8
* DATA-ERR    MU-B/SR             1.5
```

```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI051    J,YF,27,868,78      YU.M.VOLKOV                *ANG              90.     ADEG     *
*        LI051006(3-LI-6(G,T+P+N)1-H-1,,DA,,,EXP)                *E1-MIN           0.      MEV      *
*                                                                *E2-MIN           0.      MEV      *
*                                                                *                                  *
*****************                                                *****************************
* EN          MEV          *     48.
* EN-ERR      MEV                 6.
* DATA        MU-B/SR            66.7
* DATA-ERR    MU-B/SR            11.5
```

```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI051    J,YF,27,868,78      YU.M.VOLKOV                *ANG              90.     ADEG     *
*        LI051007(3-LI-6(G,T+D)1-H-1,,DA,,,EXP)                  *E1-MIN           3.      MEV      *
*                                                                *E2-MIN           4.      MEV      *
*                                                                *                                  *
*****************                                                *****************************
* EN          MEV          *     43.
* EN-ERR      MEV                10.
* DATA        MU-B/SR             0.9
* DATA-ERR    MU-B/SR             0.4
```

```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI051    J,YF,27,868,78      YU.M.VOLKOV                *ANG              90.     ADEG     *
*        LI051008(3-LI-6(G,T+D)1-H-1,,DA,,,EXP)                  *E1-MIN           0.      MEV      *
*                                                                *E2-MIN           0.      MEV      *
*                                                                *                                  *
*****************                                                *****************************
* EN          MEV          *     43.
* EN-ERR      MEV                10.
* DATA        MU-B/SR             2.
* DATA-ERR    MU-B/SR             0.9
```

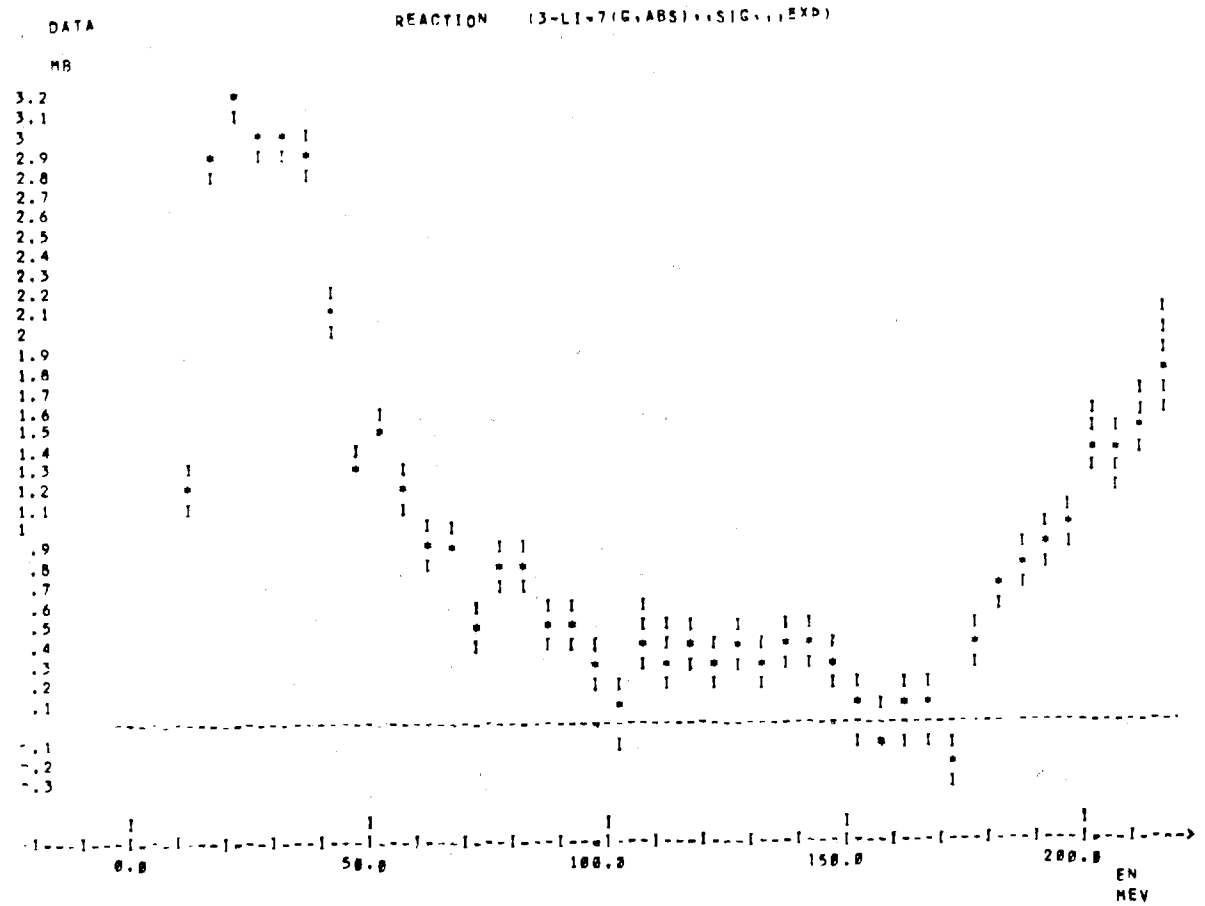
CDFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

LI047 J,PL/B,52,43,74 J.AHRENS

LI047002(3-LI-7(G,ABS),,SIG,,EXP)

EN	MEV		12.	17.	22.	27.	32.	37.	
DATA	MB		1.15	2.82	3.10	2.90	2.92	2.85	
DATA-ERR	MB		0.056	0.056	0.056	0.056	0.056	0.056	
42.	47.	52.	57.	62.	67.	72.	77.		
2.85	1.28	1.49	1.19	0.86	0.89	0.44	0.75		
0.056	0.056	0.084	0.094	0.094	0.284	0.094	0.094		
82.	87.	92.	97.	102.	107.	112.	117.		
0.77	0.42	0.47	0.26	0.05	0.40	0.30	0.33		
0.094	0.103	0.103	0.103	0.113	0.103	0.103	0.103		
122.	127.	132.	137.	142.	147.	152.	157.		
0.24	0.32	0.27	0.38	0.36	0.28	0.075	0.00		
0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084		
162.	167.	172.	177.	182.	187.	192.	197.		
0.05	0.06	-0.14	0.36	0.61	0.71	0.83	0.94		
0.094	0.084	0.084	0.084	0.084	0.108	0.084	0.103		
202.	207.	212.	217.						
1.37	1.32	1.50	1.79						
0.141	0.151	0.178	0.235						

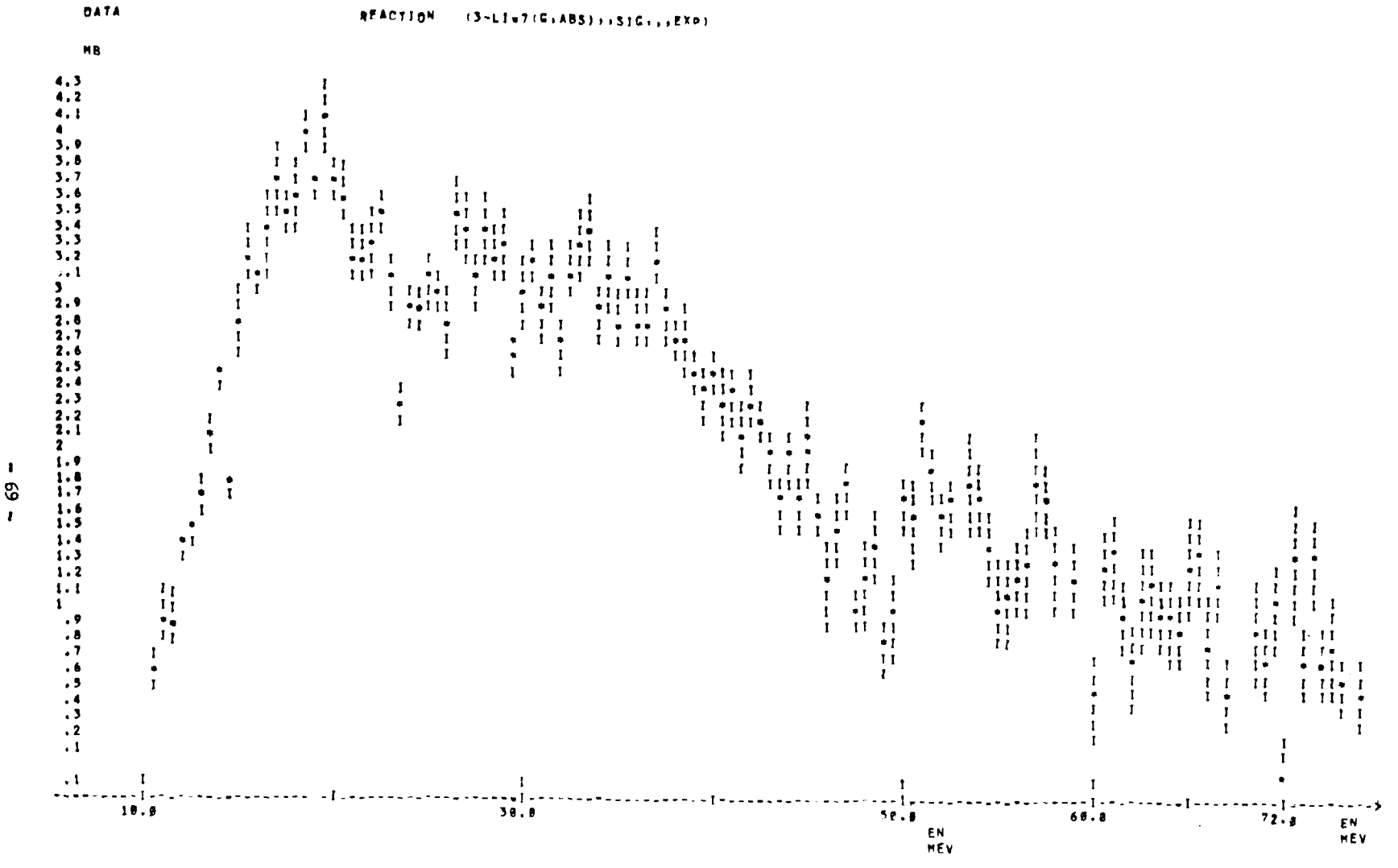


CDE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

LI248 J,NP/A,251,479,75 J,AHRENS
LI248002103-LI-7(G,ABS),,SIG,,,EXP)

EN	MEV		10.5	11.	11.5	12.	12.5	13.			
DATA	MB		0.58	0.89	0.89	1.35	1.42	1.68			
DATA-ERR	MB		0.12	0.11	0.11	0.25	0.28	0.12			
13.5	14.	14.5	15.	15.5	16.	16.5	17.				
2.29	2.42	1.74	2.75	3.16	3.85	3.3	3.6				
0.11	0.08	0.06	0.15	0.14	0.25	0.2	0.2				
17.5	18.	18.5	19.	19.5	20.	20.5	21.				
3.44	3.51	3.91	3.6	4.04	3.6	3.56	3.14				
0.26	0.19	0.09	0.01	0.16	0.1	0.14	0.14				
21.5	22.	22.5	23.	23.5	24.	24.5	25.				
3.19	3.23	3.42	3.8	2.3	2.82	2.82	3.8				
0.12	0.17	0.08	0.1	0.1	0.28	0.08	0.1				
25.5	26.	26.5	27.	27.5	28.	28.5	29.				
2.96	2.79	3.42	3.33	3.8	3.33	3.18	3.25				
0.14	0.2	0.18	0.17	0.1	0.17	0.12	0.15				
29.5	30.	30.5	31.	31.5	32.	32.5	33.				
2.6	2.91	3.12	2.84	3.02	2.65	3.07	3.21				
0.1	0.10	0.06	0.14	0.18	0.15	0.13	0.19				
33.5	34.	34.5	35.	35.5	36.	36.5	37.				
3.32	2.84	3.05	2.79	3.09	2.79	2.79	3.18				
0.18	0.16	0.15	0.11	0.11	0.11	0.11	0.12				
37.5	38.	38.5	39.	39.5	40.	40.5	41.				
2.81	2.68	2.58	2.46	2.35	2.46	2.3	2.39				
0.19	0.12	0.22	0.14	0.15	0.14	0.2	0.14				
41.5	42.	42.5	43.	43.5	44.	44.5	45.				
2.69	2.28	2.16	1.93	1.55	1.93	1.63	2.0				
0.21	0.12	0.14	0.17	0.15	0.17	0.17	0.2				
45.5	46.	46.5	47.	47.5	48.	48.5	49.				
1.56	1.14	1.47	1.74	0.96	1.11	1.39	0.75				
0.14	0.24	0.23	0.14	0.14	0.29	0.21	0.15				
49.5	50.	50.55	51.1	51.65	52.2	52.75	53.3				
0.91	1.65	1.54	2.11	1.94	1.51	1.61	1.75				
0.29	0.15	0.26	0.19	0.16	0.19	0.19	0.25				
53.85	54.4	54.95	55.5	56.05	56.6	57.15	57.7				
1.7	1.39	1.8	1.04	1.18	1.21	1.75	1.67				
0.2	0.22	0.3	0.25	0.22	0.29	0.25	0.23				
58.25	58.8	59.35	60.	60.52	61.04	61.86	62.48				
1.21	1.19	1.18	0.44	1.3	1.35	1.0	0.63				
0.29	0.21	0.22	0.25	0.2	0.27	0.2	0.27				
63.1	63.72	64.34	64.94	65.58	66.2	66.82	67.44				
1.29	1.14	1.8	0.93	0.98	1.25	1.35	0.72				
0.29	0.24	0.2	0.27	0.22	0.25	0.25	0.28				
68.26	68.68	69.3	70.	70.64	71.28	71.92	72.56				
1.19	0.47	0.47	0.88	0.58	1.2	0.0	1.32				
0.21	0.23	0.22	0.32	0.22	0.2	0.2	0.38				
73.2	73.84	74.48	75.12	75.76	77.						
0.61	1.32	0.7	0.74	0.53	0.46						
0.19	0.28	0.2	0.26	0.17	0.24						

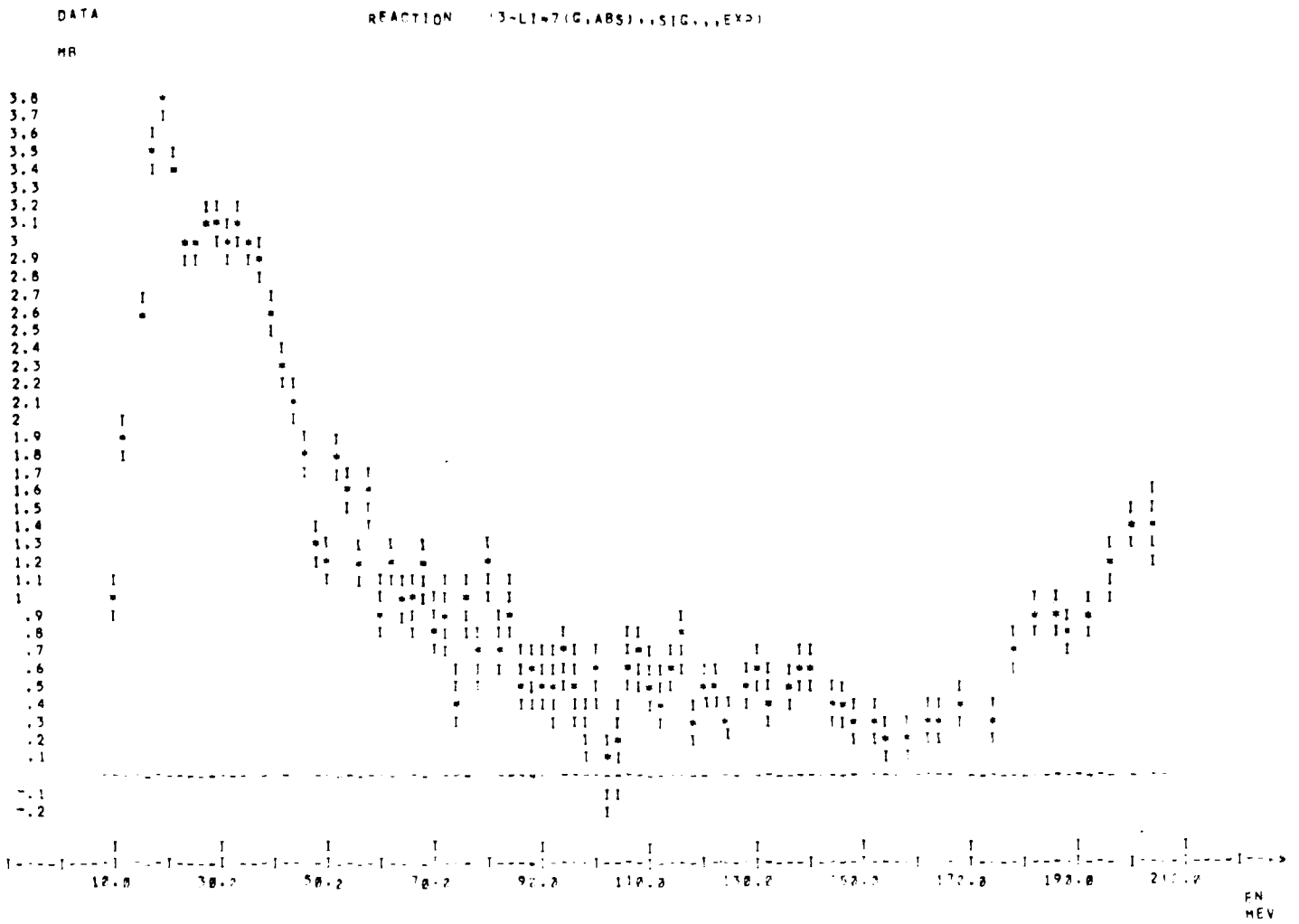

DATA
REACTION (3-LI-7(G,ABS),,SIG,,,EXP)
MB
4.3
4.2
4.1
4
3.9
3.8
3.7
3.6
3.5
3.4
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
.9
.8
.7
.6
.5
.4
.3
.2
.1
.1
10.0
30.0
50.0
60.0
72.0
EN
MEV
EN
MEV

CDFE PHOTONUCLEAR DATA SHEETS

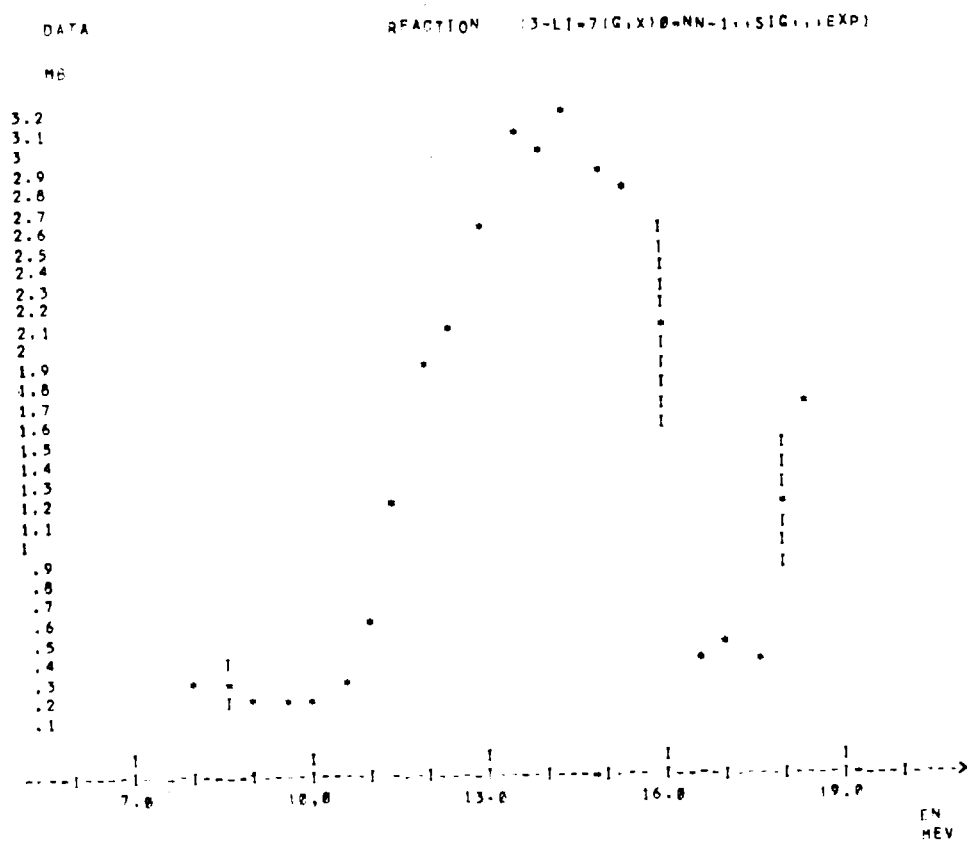
COMMON PARAMETERS

L1048 J,NP/A,251,479,75 J,AHRENS
L1048003(3-LI-7(G,ABS),,SIG,,,EXP)

EN	MEV		11.	13.	16.	17.	20.	22.
DATA	MB		0.95	1.82	2.57	3.46	3.75	3.39
DATA-ERR	MB		0.07	0.08	0.06	0.07	0.06	0.07
24.	26.	28.	30.	32.	34.	36.	38.	
2.92	2.98	3.09	3.07	2.95	3.07	2.91	2.86	
0.27	0.05	0.08	0.09	0.08	0.08	0.08	0.05	
40.	42.	44.	46.	48.	50.	52.	53.	
2.52	2.27	2.02	1.78	1.25	1.18	1.77	1.57	
0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.12	
55.	58.	59.	61.	64.	65.	67.	69.	
1.15	1.54	0.89	1.17	0.94	0.92	1.11	0.79	
0.14	0.14	0.13	0.12	0.12	0.13	0.14	0.14	
71.	73.	75.	77.	80.	81.	83.	85.	
0.85	0.37	0.91	0.68	1.13	0.68	0.87	0.49	
0.16	0.15	0.13	0.14	0.14	0.14	0.17	0.16	
87.	89.	91.	93.	95.	97.	99.	101.	
0.54	0.48	0.46	0.62	0.47	0.23	0.54	0.04	
0.16	0.14	0.16	0.16	0.17	0.15	0.16	0.14	
103.	105.	107.	109.	112.	113.	115.	118.	
0.15	0.58	0.63	0.47	0.38	0.54	0.71	0.27	
0.17	0.16	0.16	0.15	0.15	0.14	0.13	0.11	
120.	123.	125.	128.	130.	133.	136.	138.	
0.58	0.58	0.38	0.58	0.51	0.39	0.46	0.58	
0.10	0.12	0.10	0.11	0.10	0.11	0.10	0.12	
141.	144.	146.	149.	152.	155.	159.	162.	
0.53	0.37	0.35	0.35	0.23	0.18	0.15	0.25	
0.10	0.11	0.10	0.09	0.11	0.11	0.10	0.11	
165.	168.	175.	178.	182.	186.	189.	193.	
0.25	0.31	0.28	0.62	0.81	0.83	0.78	0.85	
0.10	0.11	0.11	0.10	0.10	0.11	0.12	0.12	
197.	200.	204.	209.					
1.14	1.36	1.37	1.63					
0.14	0.14	0.17	0.19					


DATA
REACTION (3-LI-7(G,ABS),,SIG,,,EXP)
MB
3.8
3.7
3.6
3.5
3.4
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
.9
.8
.7
.6
.5
.4
.3
.2
.1
-.1
-.2
EN
MEV

CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI205 J,OR,113,(3),886,59T,A.POMANOWSKI								
LI205005(3-LI-7(G,X)3-NN-1,,SIG,,,EXP)								
EN MEV		7.9	8.5	9.0	9.5	10.	10.5
DATA MB		0.29	0.26	2.18	0.11	0.11	0.22
DATA-ERR MB			0.09				
10.9	11.4	11.9	12.4	13.2	13.5	13.9	14.4
0.59	1.11	1.89	2.09	2.54	3.21	2.91	3.14
14.9	15.4	15.9	16.5	17.0	17.5	18.0	18.4
2.86	2.75	2.21	0.33	0.47	0.37	1.2	1.65
		0.5				0.3	

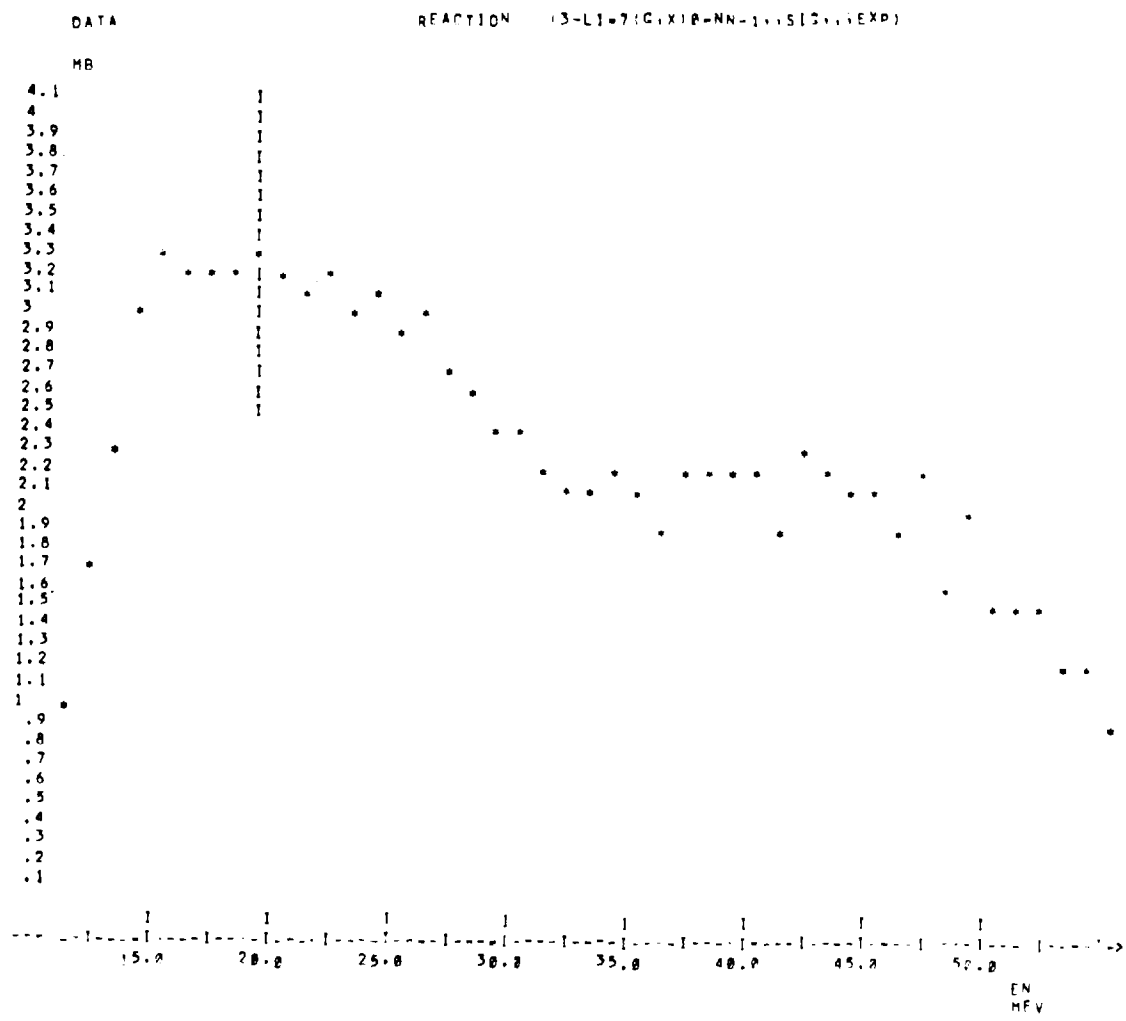


CDFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

LI006 J,PR,11A,(2),535,6BR,W,FAST
LI006002(3-LI-7(G,X)8-NN-1,,SIG,,,EXP)

EN MEV	10.5	11.5	12.5	13.5	14.5	15.5		
DATA MB	0.70	0.96	1.66	2.27	2.93	3.28		
DATA-ERR PER-CENT								
16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5	
3.12	3.15	3.18	3.21	3.13	3.05	3.15	2.98	
			25.8					
24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	
3.01	2.88	2.96	2.65	2.59	2.33	2.38	2.18	
32.5	33.5	34.5	35.5	36.5	37.5	38.5	39.5	
2.03	2.02	2.13	2.07	1.98	2.18	2.14	2.13	
40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5	
2.13	1.88	2.23	2.11	2.03	2.06	1.88	2.13	
48.5	49.5	50.5	51.5	52.5	53.5	54.5	55.5	
1.50	1.91	1.50	1.67	1.46	1.15	1.18	0.84	



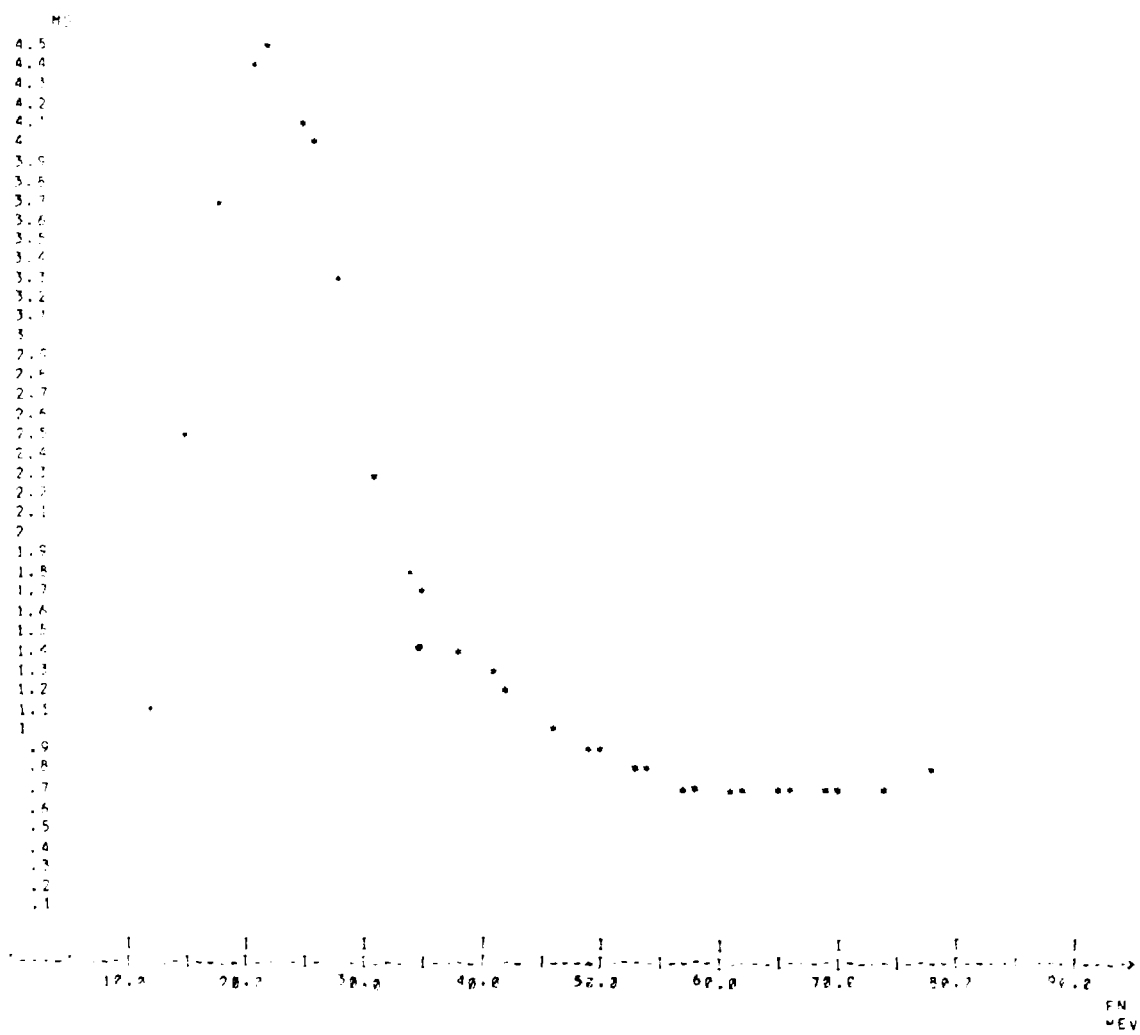
CDFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

(LI7(3,P)4,(2),226,63 S.COSTA
(LI7(3,2N)7-LI-7(G,N)7-LI-6,,SIG,,,EXP)

EN	MEV		11.5		12.1		14.6		15.0		17.6		18.1
DATA	MB		1.04		1.27		2.46		2.62		3.67		3.82
DATA-ERR	PER-CENT		1.		1.		1.		1.		1.		1.
	21.2		21.8		25.1		25.5		27.9		28.4		30.6		30.9
	4.36		4.42		4.86		3.96		3.21		3.04		2.24		2.17
	1.		1.		1.		1.		1.		1.		1.		1.
	34.1		34.6		37.9		38.4		41.4		41.8		45.7		46.2
	1.23		1.69		1.48		1.38		1.21		1.16		0.99		0.94
	1.		1.		1.		1.		1.		1.		1.		1.
	49.4		49.9		53.4		54.1		57.5		57.8		61.1		61.7
	2.54		2.83		0.74		0.77		0.53		0.64		0.62		0.67
	1.		1.		1.		1.		1.		1.		1.		1.
	65.7		65.5		69.5		70.1		73.7		74.1		78.2		
	2.64		0.55		2.57		0.66		2.58		0.67		0.71		
	1.		1.		1.		1.		1.		1.		1.		

DATA REACTION (3-LI-7(G,X)3-LI-6,,SIG,,,EXP)



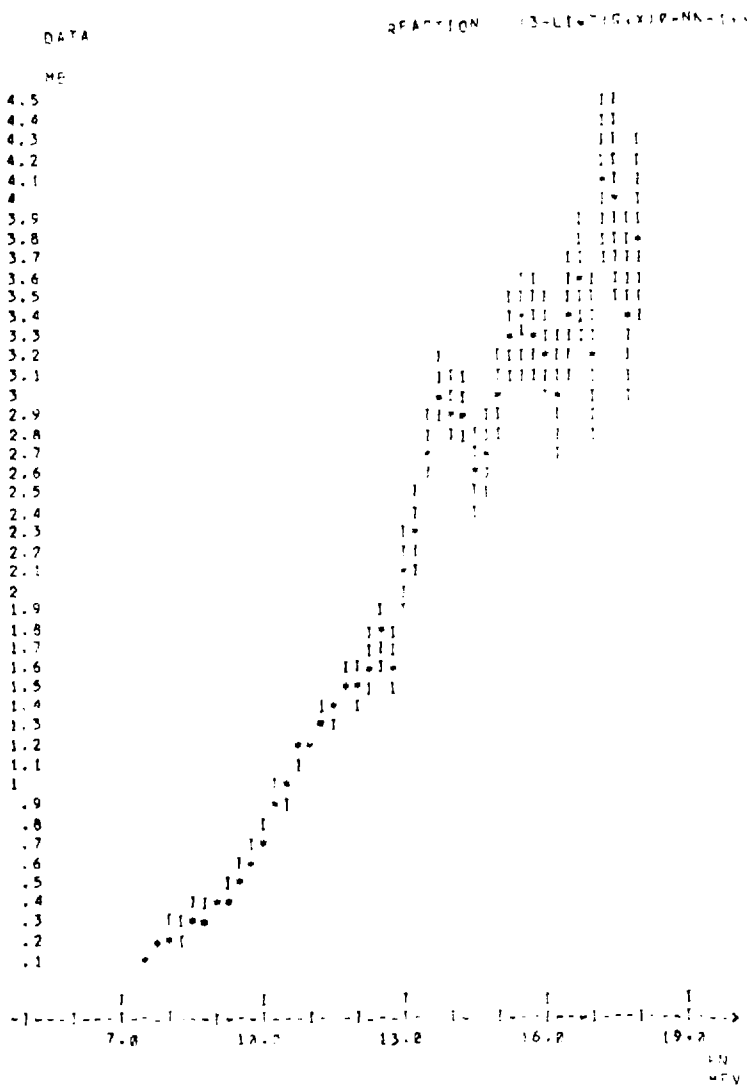
CDFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

LI22B J,NP,51,177,64 F,R,ALL,*
LI22B04(3-LI-7(G,X)2-NN-1,,SIG,,,EXP)

*STEP OF THE P,-L, ANALISYS 1. MEV

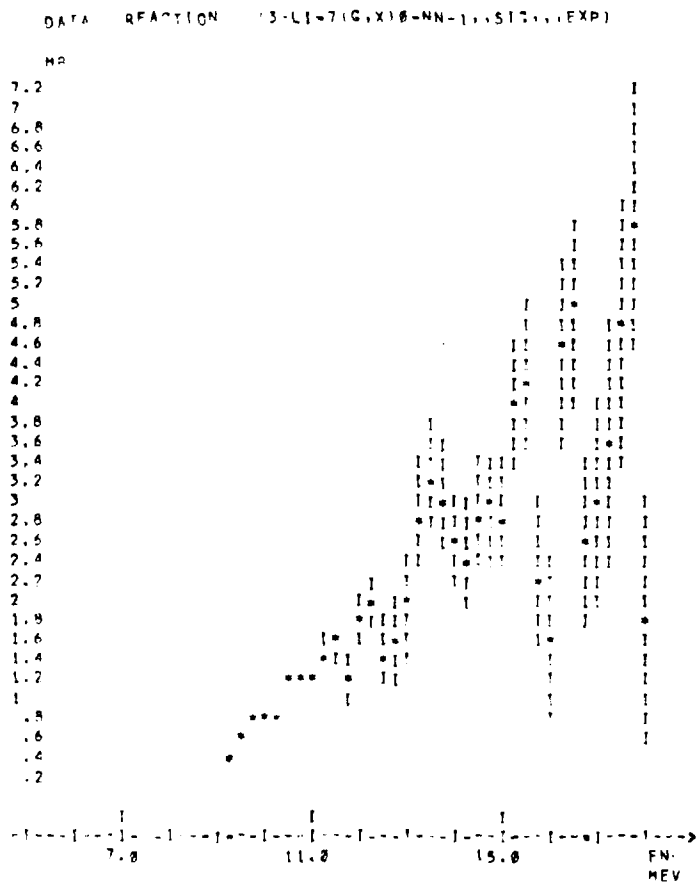
EN	MEV	7.5	7.75	8.	8.25	8.5	8.75
DATA	MB	0.1	0.14	2.18	2.2	0.29	2.29
DATA-ERR	MB	0.03	0.03	2.03	0.24	0.04	0.04
9.	9.25	9.5	9.75	10.	10.25	10.5	10.75
0.35	0.39	0.49	0.57	0.59	0.59	0.94	1.13
0.04	0.04	0.04	0.03	2.03	0.23	0.25	0.24
11.	11.25	11.5	11.75	12.	12.25	12.5	12.75
1.2	1.27	1.35	1.49	1.46	1.4	1.71	1.69
0.05	0.05	0.05	0.07	2.28	0.11	0.14	0.15
13.	13.25	13.5	13.75	14.	14.25	14.5	14.75
2.06	2.24	2.57	2.99	2.89	2.67	2.57	2.65
0.18	0.19	0.16	0.17	2.15	0.16	0.19	0.19
15.	15.25	15.5	15.75	16.	16.25	16.5	16.75
2.99	3.27	3.3	3.25	3.19	2.92	3.38	3.55
0.21	0.21	0.23	0.25	0.28	0.31	0.29	0.31
17.	17.25	17.5	17.75	18.			
3.17	4.03	3.95	3.38	3.77			
0.37	0.41	0.47	0.46	0.43			



CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI020 J,NP,51,177,64 F.R.ALLUM	STEP OF THE P.-L. ANALISYS 0.5 MEV
LI020005(3-LI-7(G,X)0-NN-1,,SIG,,,EXP)	

EN	MEV			9.25		9.5		9.75		10.		10.25		10.5
DATA	MB			0.3		0.54		0.69		0.72		0.73		1.06
DATA-ERR	MB			0.03		0.03		0.04		0.04		0.05		0.05
	10.75		11.		11.25		11.5		11.75		12.		12.25		12.5
	1.11		1.09		1.35		1.43		1.16		1.64		1.88		1.38
	0.04		0.04		0.08		0.12		0.17		0.21		0.27		0.35
	12.75		13.		13.25		13.5		13.75		14.		14.25		14.5
	1.51		1.84		2.75		3.19		2.91		2.51		2.35		2.75
	0.41		0.49		0.51		0.47		0.49		0.48		0.47		0.55
	14.75		15.		15.25		15.5		15.75		16.		16.25		16.5
	2.84		2.8		3.88		4.17		2.15		1.42		4.47		4.81
	0.55		0.56		0.57		0.65		0.73		0.78		0.88		0.82
	16.75		17.		17.25		17.5		17.75		18.				
	2.51		2.92		3.5		4.65		5.76		1.68				
	0.87		1.03		1.2		1.29		1.25		1.26				

DATA REACTION (3-LI-7(G,X)0-NN-1,,SIG,,,EXP)

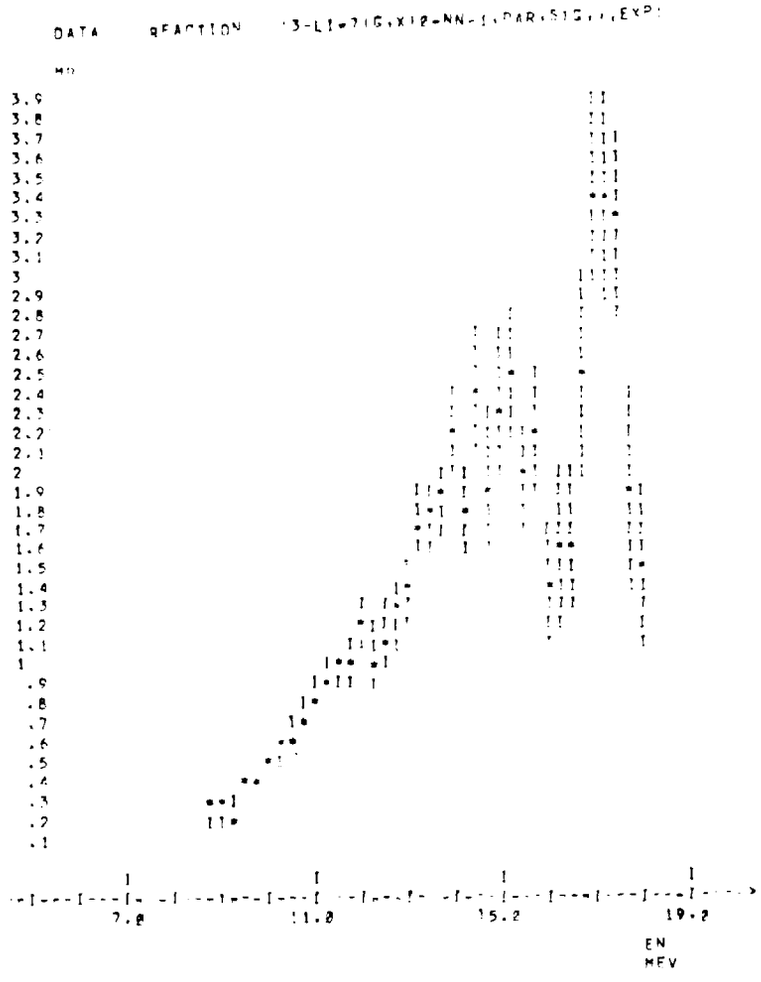


```
*****************************************************************************
*                  CDFE PHOTONUCLEAR DA                                     *
*****************************************************************************
*        LI020   J,NP,51,177,64      F.R.ALLUM                              *
*        LI020006(3-LI-7(G,X)0-NN-1,PAR,SIG,,,EXP)                          *
*                                                                           *
*                                                                           *
*****************************************************************************
```

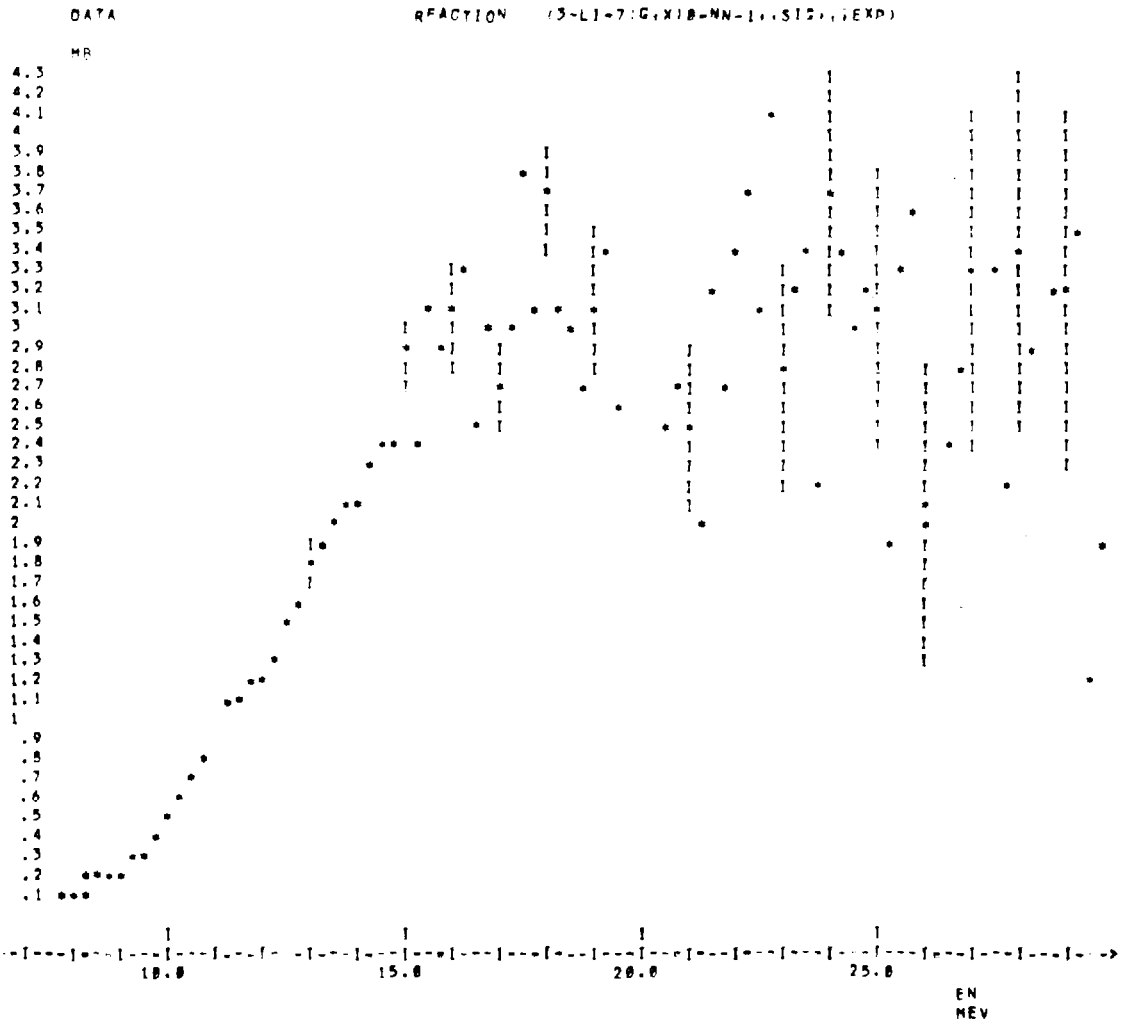
```
*****************************************************************************
*                  COMMON PARAMETERS                                        *
*****************************************************************************
*STEP OF THE          0.5      MEV                                         *
*P.-L. ANALISYS                                                            *
*E-MAX                0.6      MEV                                         *
*                                                                           *
*****************************************************************************
```

* E	MEV	*	8.75	*	9.	*	9.25	*	9.5	*	9.75	*	10.	
* DATA	MB		0.21		0.2		0.18		0.35		0.35		0.44	
* DATA-ERR	MB		0.02		0.02		0.02		0.22		0.04		0.02	
* 10.25	*	10.5	*	10.75	*	11.	*	11.25	*	11.5	*	11.75	*	12.
0.52		0.56		0.57		0.76		0.86		0.93		0.95		1.12
0.03		0.04		0.04		0.04		0.04		0.06		0.07		0.11
* 12.25	*	12.5	*	12.75	*	13.	*	13.25	*	13.5	*	13.75	*	14.
0.99		1.07		1.23		1.31		1.56		1.72		1.84		2.14
0.14		0.14		0.15		0.18		0.15		0.15		0.15		0.18
* 14.25	*	14.5	*	14.75	*	15.	*	15.25	*	15.5	*	15.75	*	16.
1.71		2.35		1.89		2.29		2.46		1.9		2.14		1.33
0.2		0.27		0.31		0.31		0.32		0.29		0.32		0.33
* 16.25	*	16.5	*	16.75	*	17.	*	17.25	*	17.5	*	17.75	*	18.
1.52		1.58		2.44		3.38		3.34		3.2		1.83		1.44
0.4		0.38		0.46		0.42		0.48		0.49		0.5		0.44

DATA REACTION 3-LI-7(G,X)0-NN-1,PAR,SIG,,,EXP)

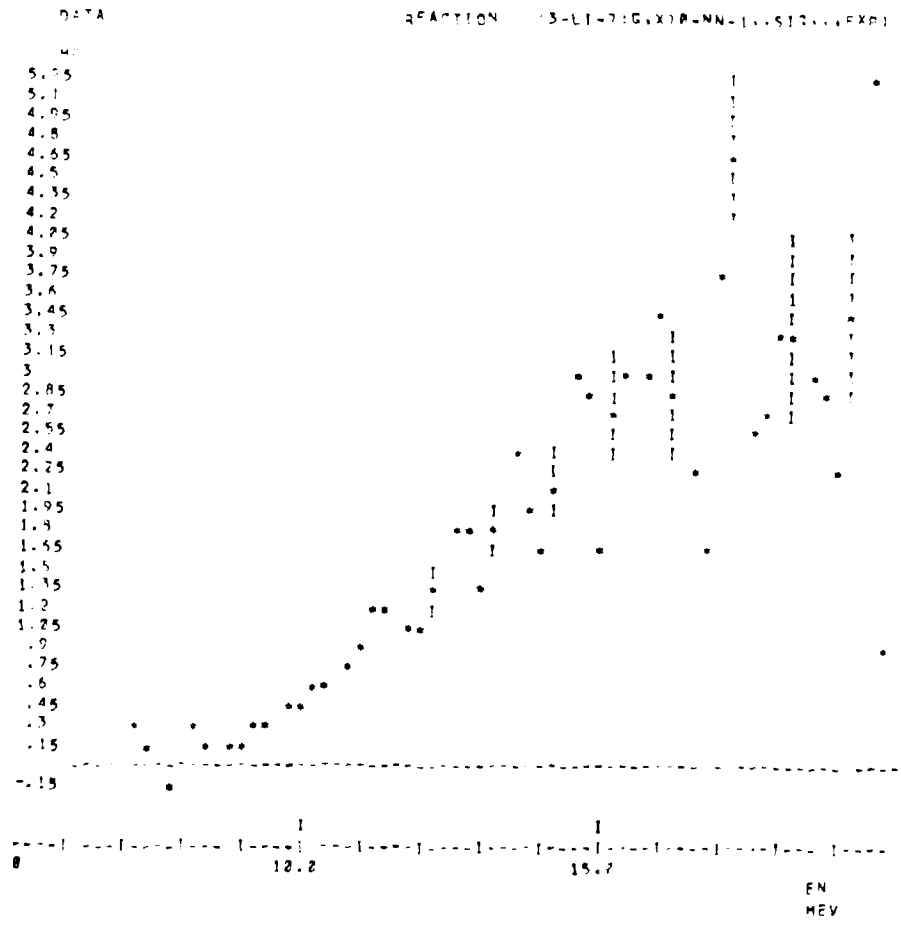


CCFE PHOTONUCLEAR DATA SHEETS					COMMON PARAMETERS		
LI225 J,NP,69,241,65 E,HAYWARD LI225004(3_LI-7(G,X)2-NN-1,,SIG,,,EXP)					STEP OF THE P,-L, ANAL]SyS 0.5 MEV		
EN MEV DATA MB DATA-ERR MB		7.49 0.08	7.73 0.07	7.97 0.07	8.22 0.1	8.5 0.13	8.75 0.15
8.98 0.18	9.27 0.22	9.51 0.25	9.74 0.33	10.02 0.42	10.25 0.51	10.48 0.63	10.74 0.74
10.97 0.9	11.26 1.03	11.49 1.09	11.72 1.15	11.99 1.16	12.24 1.29	12.51 1.42	12.73 1.56
13.0 1.74 2.07	13.28 1.81	13.5 1.91	13.75 2.01	14.0 2.0 0.09	14.26 2.25	14.48 2.35	14.74 2.38
15.0 2.81 0.13	15.24 2.32	15.49 3.03	15.78 2.9	16.0 3.0 0.2	16.24 3.2	16.45 2.47	16.74 2.99
17.0 2.67 0.22	17.26 2.99	17.52 3.72	17.77 3.02	18.0 3.6 0.27	18.27 3.04	18.53 2.97	18.76 2.66
19.0 3.07 0.34	19.25 3.31	19.52 2.56	20.49 2.41	20.73 2.68	21.0 2.47 0.4	21.23 1.92	21.51 3.15
21.77 2.67	22.01 3.37	22.23 3.53	22.5 3.09	22.77 4.06	23.0 2.73 0.55	23.28 3.15	23.49 3.39
23.72 2.14	24.0 3.66 0.6	24.28 3.37	24.53 2.91	24.74 3.11	25.0 3.25 0.7	25.27 1.9	25.53 3.29
25.79 3.52	26.0 2.0 0.75	26.5 2.37	26.76 2.76	27. 3.22 0.86	27.5 3.21	27.75 2.18	28. 3.34 0.89
28.24 2.86	28.77 3.17	29. 3.13 0.9	29.31 3.45	29.48 1.12	29.77 1.89		


DATA
REACTION (3-LI-7(G,X1)8-NN-1,,SIG),,(EXP)
MB
4.3
4.2
4.1
4
3.9
3.8
3.7
3.6
3.5
3.4
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
.9
.8
.7
.6
.5
.4
.3
.2
.1
10.0
15.0
20.0
25.0
EN
MEV

DOFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI025 J:NP,69,241,65 E.HAYWARD	STEP OF THE 1. MEV
LI225005(3-LI-7(G,X)0-NN-1,,SIG,,,EXP)	P.-L. ANALISYS

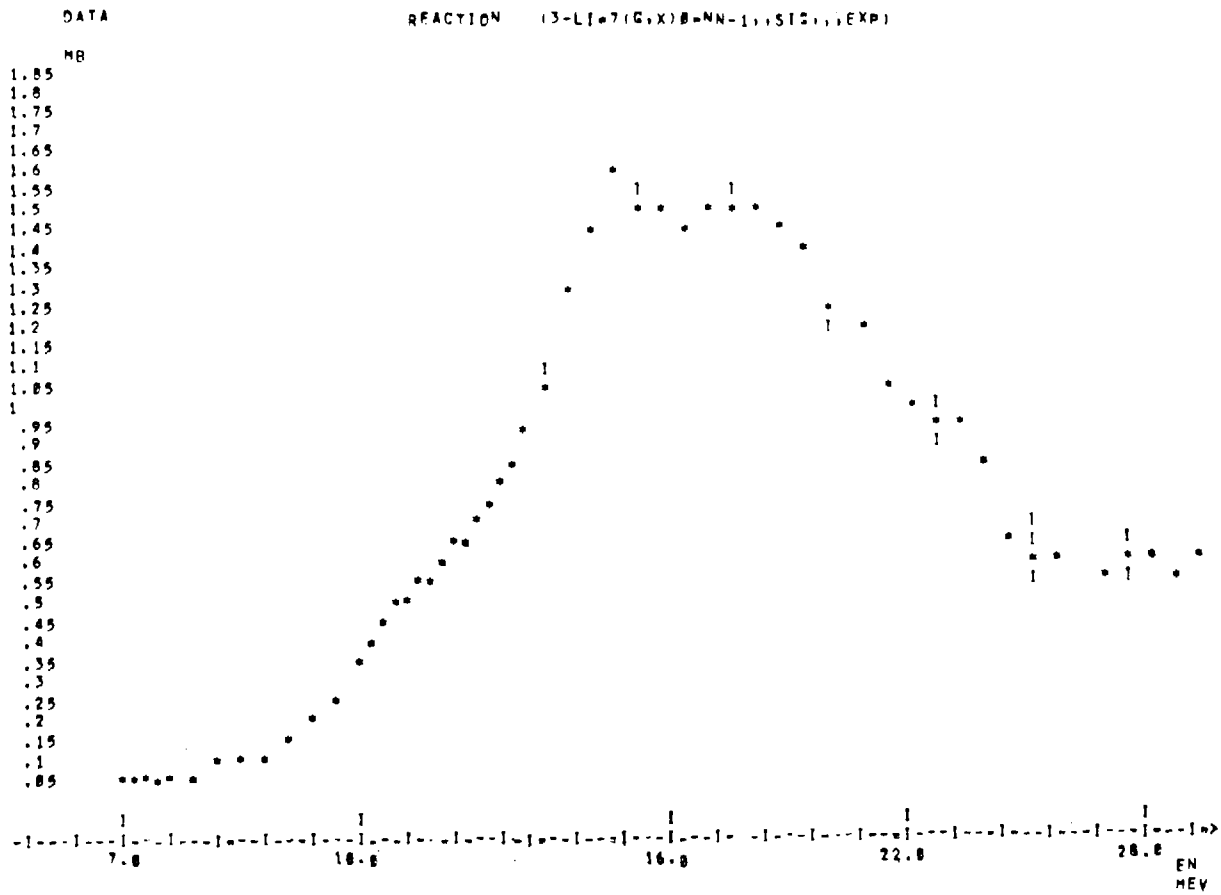
EN	MEV			7.21		7.49		7.73		7.83		8.0		8.21
DATA	MB			0.21		0.15		-0.22		0.77		0.		0.17
DATA ERR	MB													
8.46		8.75		8.95		9.25		9.47		9.75		9.97		10.21
0.15		0.12		0.12		0.19		0.24		0.31		0.42		0.52
10.49		10.72		11.0		11.25		11.49		11.74		12.0		12.25
0.57		0.71		0.9		1.09		1.11		0.94		0.98		1.25
														0.11
12.51		12.79		13.02		13.25		13.52		13.77		14.0		14.25
1.68		1.7		1.31		1.75		2.26		1.87		1.58		2.1
						0.16								0.24
14.5		14.77		14.99		15.25		15.48		15.72		16.01		16.25
2.91		2.79		1.59		2.7		2.9		3.2		3.41		2.75
						0.31								0.4
16.5		16.74		16.99		17.25		17.5		17.72		18.0		18.25
2.13		1.62		3.63		4.6		2.42		2.7		3.22		3.3
						0.52								0.64
18.52		18.77		19.01		19.25		19.5		19.75				
2.92		2.83		2.24		3.4		5.1		0.88				
						0.64								



CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI041 C,73PACIFI,1,175,73R,L,BRAMBLETT LI041002(3-LI-7(G,X)8-NN-1,,SIG,,,EXP)	

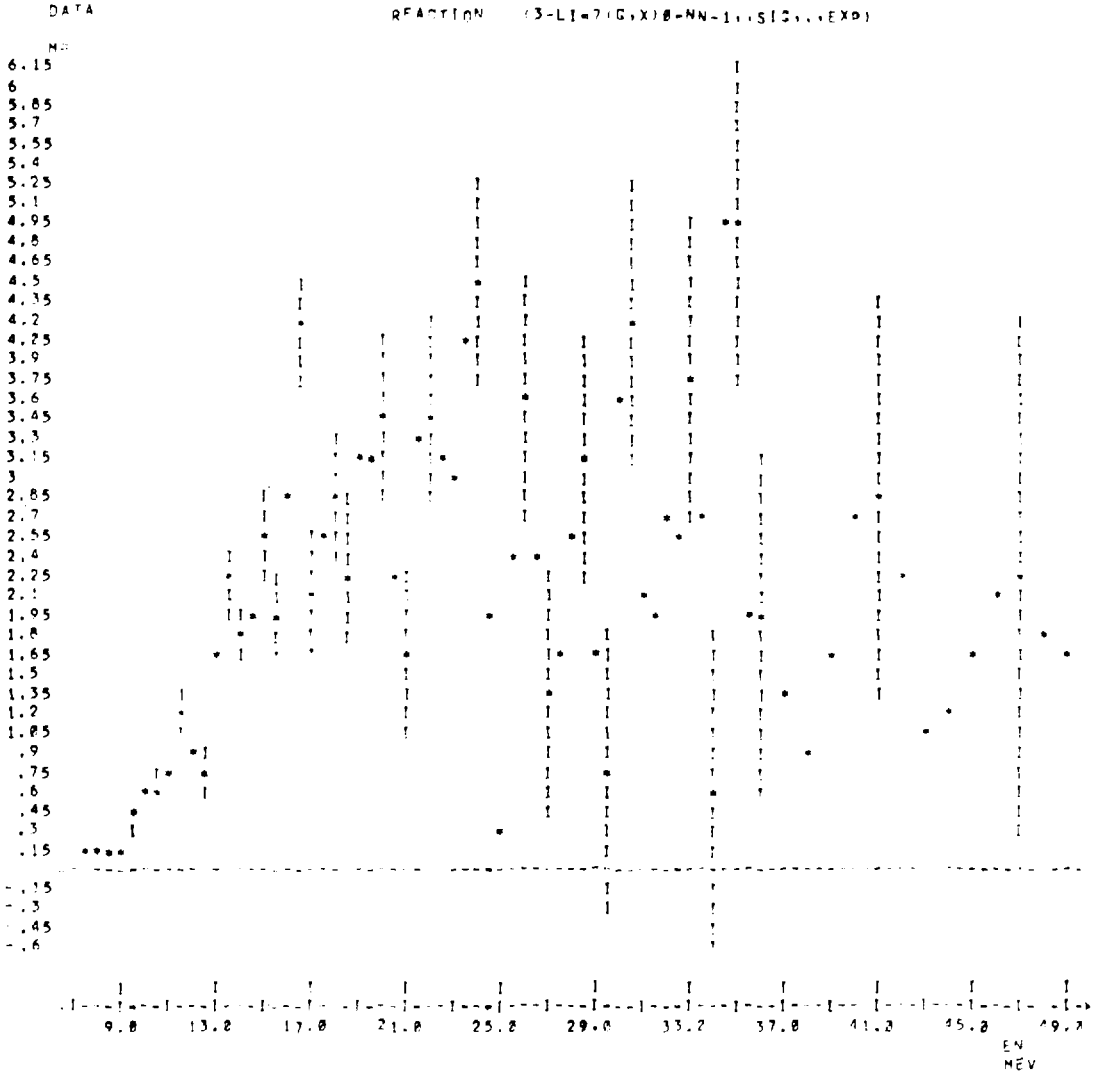
EN	MEV	7.05	7.20	7.35	7.50	7.65	7.85
DATA	MB	0.018	0.028	0.046	0.044	0.042	0.048
DATA-ERR	MB						

8.15 0.062	8.45 0.088	8.75 0.094	9.10 0.123	9.40 0.160	9.70 0.228	10.00 0.332	10.15 0.369
10.35 0.432	10.48 0.462	10.62 0.478	10.67 0.500	10.78 0.522	10.83 0.543	11.00 0.553	11.04 0.581
11.11 0.610	11.18 0.631	11.31 0.638	11.45 0.670	11.58 0.720	11.76 0.770	11.90 0.833	12.25 0.923
12.85 1.041 0.03	13.50 1.262	14.16 1.485	14.75 1.565	15.35 1.485 0.03	15.97 1.463	16.60 1.434	17.22 1.484
17.65 1.486 0.03	18.42 1.483	19.06 1.426	19.70 1.384	20.32 1.282 0.03	20.96 1.173	21.58 1.022	22.19 0.983
22.81 0.923 0.045	23.48 0.932	24.82 0.822	24.65 0.612	25.28 0.582 0.03	25.92 0.562	26.55 0.452	27.13 0.553
27.76 0.560 0.05	28.39 0.588	28.88 0.524	29.63 0.555	30.53 0.293 0.07			



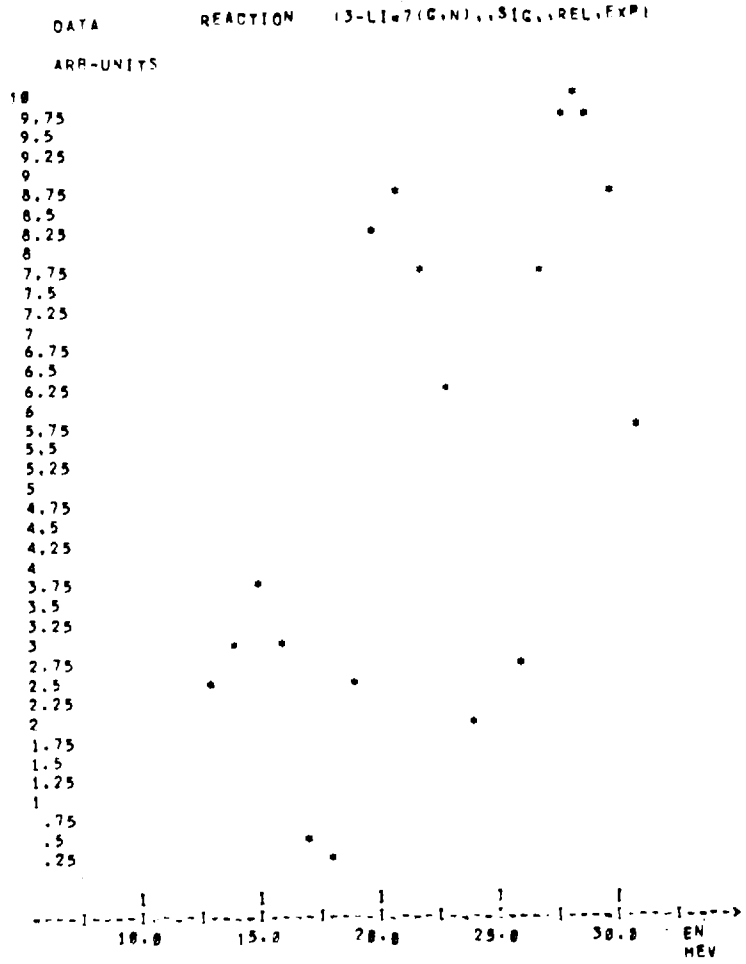
CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI031 J,DOK,171,(3),549,6,E.B.BAZHANOV LI231002(3,LI-7(G,X)0-NN-1,,SIG,,,EXP)	

EN	MEV		7.5	8.	8.5	9.	9.5	10.		
DATA	MB		0.05	0.1	0.01	0.05	0.32	0.55		
DATA-ERR	MB			0.03			0.07			
10.5	11.	11.5	12.	12.5	13.	13.5	1[illegible].			
0.59	0.72	1.13	0.85	0.52	1.6	2.14	1.72			
0.09		0.14		2.16		0.2	0.2			
14.5	15.	15.5	16.	16.5	17.	17.5	18.			
1.9	2.47	1.56	2.76	4.07	1.99	2.44	2.82			
	0.26	0.31		0.39	0.43		0.45			
18.5	19.	19.5	20.	22.5	21.	21.5	22.			
2.24	3.1	3.02	3.38	2.12	1.63	3.16	3.39			
0.48			0.54		0.61		0.66			
22.5	23.	23.5	24.	24.5	25.	25.5	26.			
3.13	2.9	4.05	4.42	1.58	0.29	2.29	3.52			
			0.73				0.9			
26.5	27.	27.5	28.	28.5	29.	29.5	30.			
2.26	1.31	1.64	2.52	3.27	1.6	0.71	3.58			
	0.94			0.95		1.				
30.5	31.	31.5	32.	32.5	33.	33.5	34.			
4.16	2.09	1.92	2.65	2.44	3.74	2.67	0.6			
1.03					1.14		1.17			
34.5	35.	35.5	36.	37.	38.	39.	40.			
4.82	4.87	1.88	1.83	1.28	0.8	1.53	2.66			
	1.23		1.29							
41.	42.	43.	44.	45.	46.	47.	48.			
2.79	2.15	1.04	1.15	1.54	2.03	2.17	1.78			
1.47						1.91				
49.										
1.65										


DATA
REACTION (3-LI-7(G,X)0-NN-1,,SIG,,,EXP)
MB
6.15
6
5.85
5.7
5.55
5.4
5.25
5.1
4.95
4.8
4.65
4.5
4.35
4.2
4.05
3.9
3.75
3.6
3.45
3.3
3.15
3
2.85
2.7
2.55
2.4
2.25
2.1
1.95
1.8
1.65
1.5
1.35
1.2
1.05
.9
.75
.6
.45
.3
.15
-.15
-.3
-.45
-.6
9.0
13.0
17.0
21.0
25.0
29.0
33.2
37.0
41.0
45.0
49.0
EN
MEV

CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
L1001 J.HPA.2A.L85.55 F.HEINRICH L1001004(3-LI-8(G.N).,SIG.,REL,EXP)	

EN	MEV	13.	14.	15.	16.	17.	17.7
DATA	ARB.UNITS	2.4	2.8	3.6	2.9	0.5	0.
18.	19.	20.	21.	22.	23.	24.	25.
0.2	2.5	8.1	8.7	7.7	6.2	1.9	1.
26.	27.	28.	28.7	29.	30.	31.	
2.7	7.7	9.5	9.9	9.7	8.5	5.7	

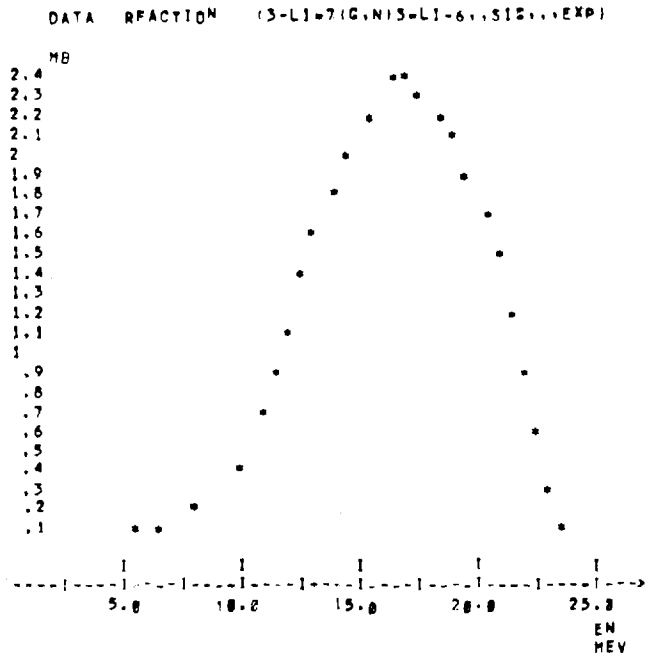


CDFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

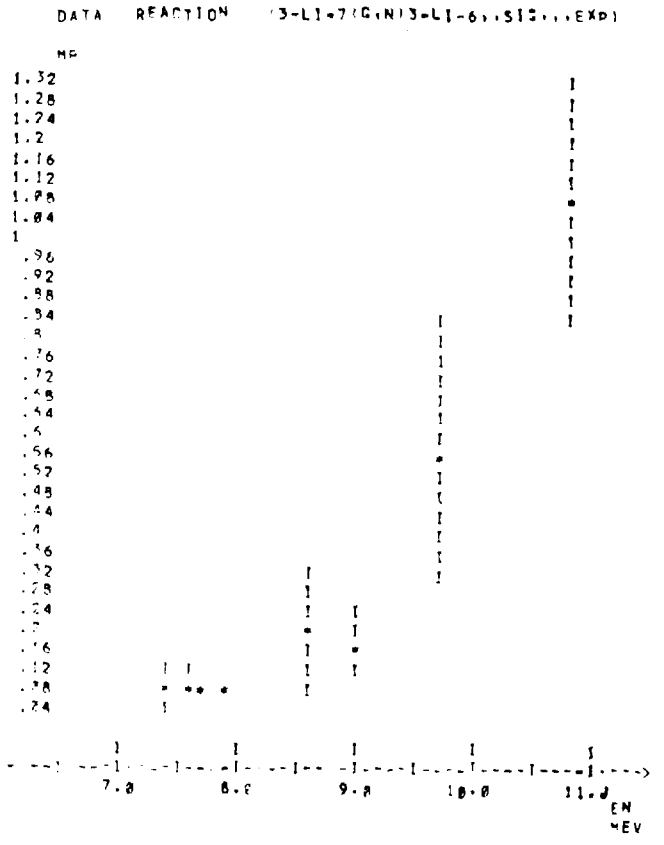
LI004 J,PR,110,(5),1123,58 T,RYABKA
LI004003(3-LI-7(G,N)3-LI-6,,SIG,,,EXP)

EN	MEV		5.41	6.51	8.16	9.53	10.78	11.51
DATA	MB		0.01	0.05	0.15	0.39	0.64	0.87
12.15	12.68	13.25	13.85	14.54	15.31	16.36	17.09	
1.1	1.33	1.55	1.76	1.99	2.17	2.3	2.31	
17.75	18.57	19.2	19.69	20.31	20.93	21.45	22.0	
2.26	2.14	2.01	1.89	1.68	1.4	1.14	0.89	
22.48	23.98	23.44	23.51					
0.57	0.29	0.05	0.00					



CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI218 J,PR,135,8781,64 L,GREEN LI(18883(3-LI-7(G,N)3-LI-6,,SIG,,,EXP)	

EN	MEV		7.38		7.64		7.72		7.91		8.56		9.0
DATA	MB		0.268		0.879		0.86		0.27		0.17		0.14
DATA-ERR	MB		0.235		0.814		0.81		0.21		0.12		0.06
9.72		10.83											
0.55		1.07											
0.25		0.25											



CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI235 J,PR,175,(4),1330,68 N,KAUSHAL LI235023(3-LI-7(G,N)3-LI-6,,DA/DE,,4PI,EXP)	ANG 67.5 ADEG E-MIN 10. MEV

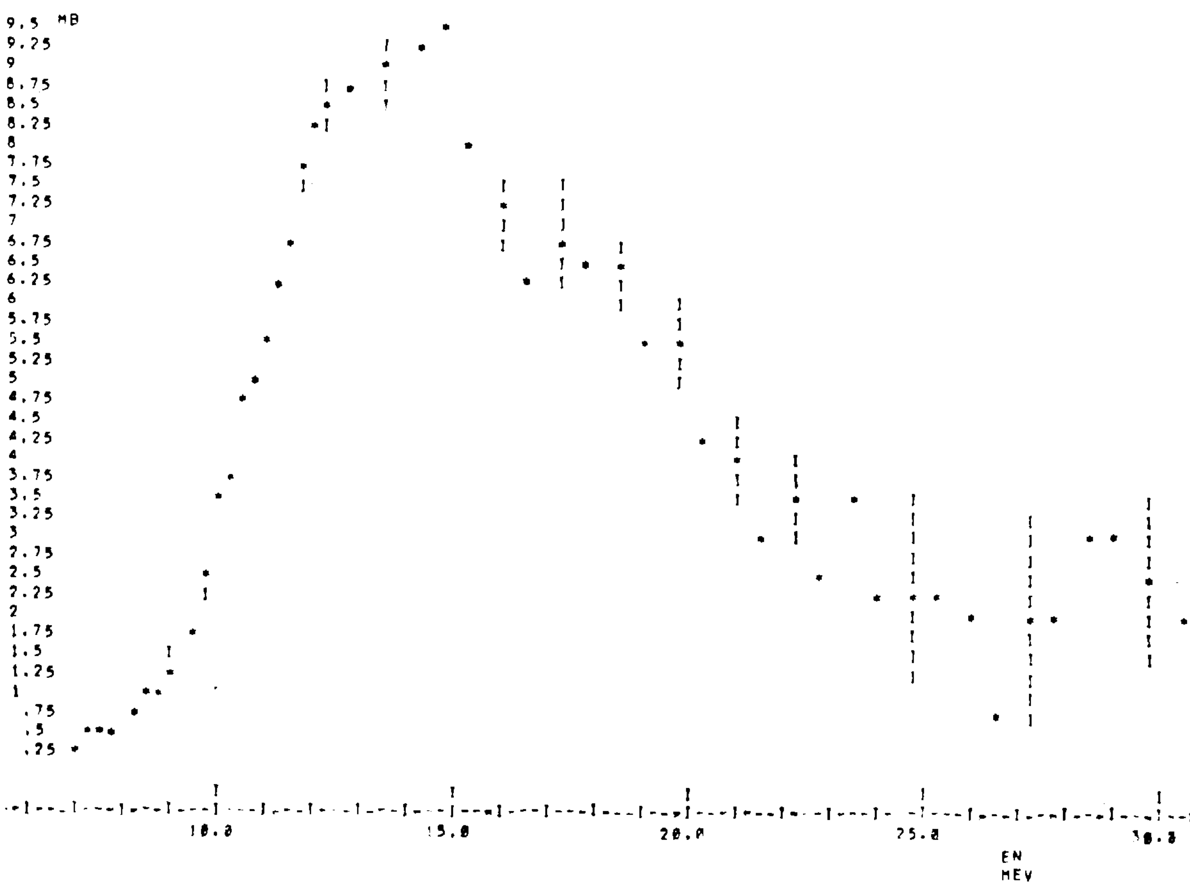
EN	MEV	70.
DATA	MB/MEV	0.75

CDFE PHOTONUCLEAR DATA SHEETS — COMMON PARAMETERS

LI041 C,73PACIFI,1,175,73R.L.BRAMBLETT
LI041003((3-LI-7(G,N)3-LI-6,,SIG,,,EXP)+
(3-LI-7(G,N+P)2-HE-5,,SIG,,,EXP))

EN (MEV)	DATA (MB)	DATA-ERR (MB)
7.05	0,008	
7.20	0,020	
7.35	0,044	
7.50	0.045	
7.65	0,049	
7.85	0,046	
8.15	0,060	
8.45	0,078	
8.75	0,098	
9.10	0,125	0,01
9.40	0,150	
9.70	0.232	0,015
10.00	0,337	
10.15	0.370	
10.35	0,430	
10.48	0,460	
10.62	0,460	
10.67	0,490	
10.78	0,491	
10.80	0.512	
10.85	0,523	
11.00	0,532	
11.04	0,560	
11.11	0,591	
11.18	0,611	
11.25	0,621	
11.45	0,660	
11.58	0.702	
11.76	0,751	0,01
11.90	0,812	0,01
12.25	0,847	0,024
12.85	0,862	
13.50	0,881	0,035
14.16	0,901	
14.75	0,932	
15.35	0.700	
15.97	0,703	0,042
16.60	0,623	
17.22	0,670	0,058
17.65	0,639	
18.42	0,628	0,035
19.06	0,540	
19.70	0,539	0,055
20.32	0.419	
20.96	0,392	0,052
21.58	0,292	
22.19	0,340	0,06
22.81	0,228	
23.48	0,337	
24.02	0,210	
24.65	0,219	0,11
25.28	0.208	
25.92	0,188	
26.55	0,069	
27.13	0,188	0,13
27.76	0,178	
28.38	0,279	
28.88	0,279	
29.63	0,238	0,09
30.53	0.180	

DATA REACTION (3-LI-7(G,N)3-LI-6,,SIG,,,EXP)



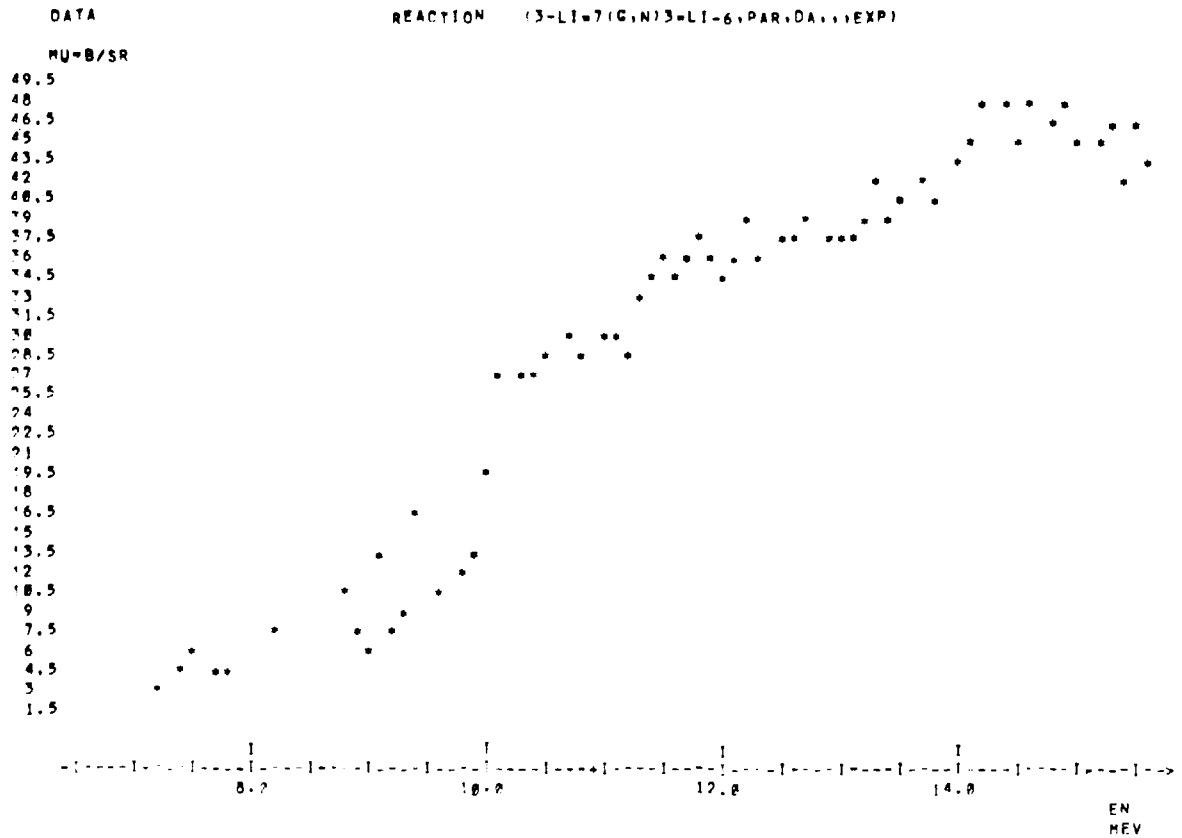
COFE PHOTONUCLEAR DATA SHEETS

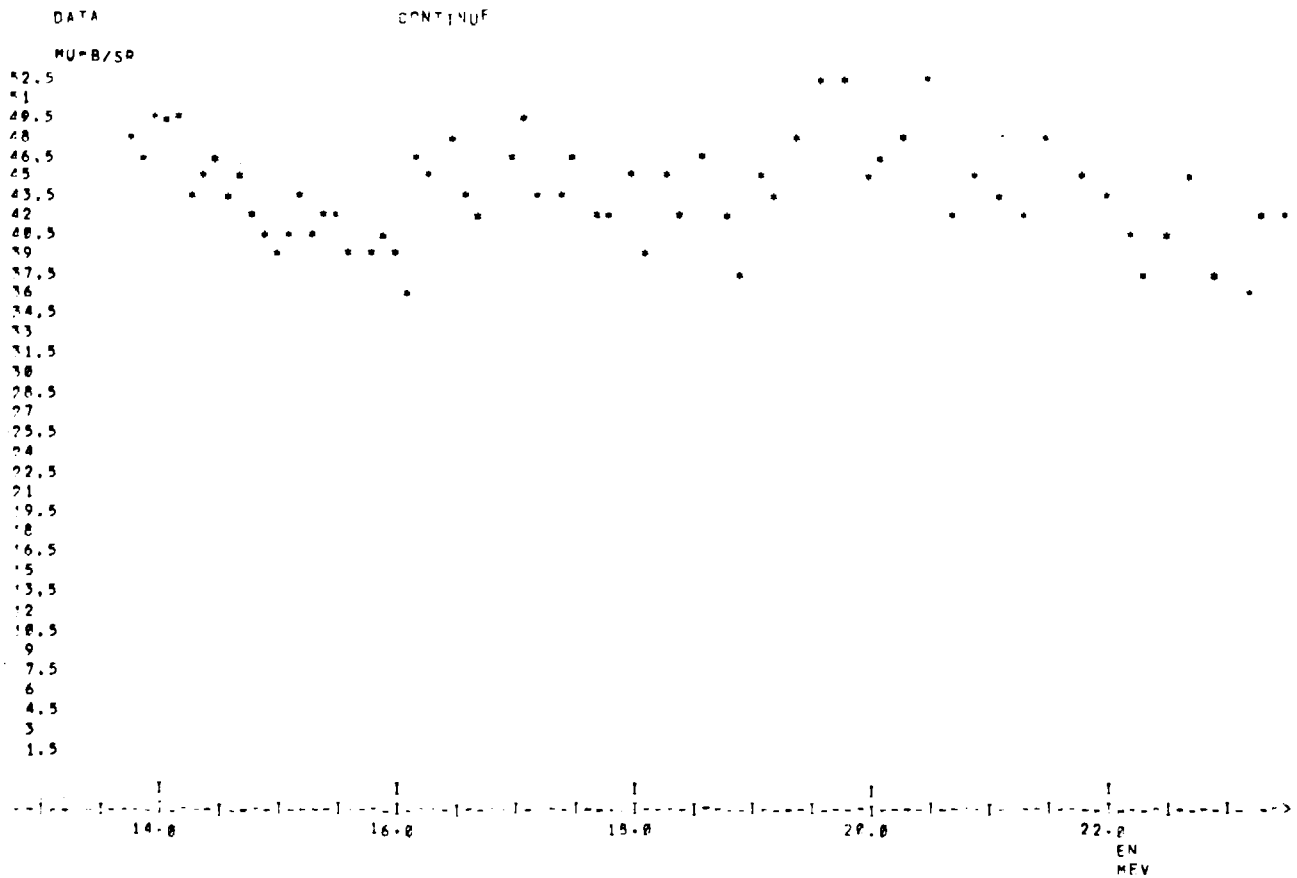
COMMON PARAMETERS

LI050 J,EJP,55,428,77 H,FERDINANDE
LI050009(3-LI-7(G,N)3-LI-6,PAR,DA,,,EXP)

ANG 90, ADEG
E-LVL B, MEV

EN	MEV	7.23	7.37	7.50	7.69	7.84	8.24
DATA	MU-B/SR	2.71	4.49	4.54	3.15	4.34	6.38
8.55	8.77	8.86	8.98	9.89	9.16	9.29	9.42
7.51	10.28	7.15	5.38	12.64	7.04	8.58	16.84
9.55	9.63	9.76	9.85	9.98	10.08	10.25	10.31
9.82	7.56	10.66	12.67	18.87	26.77	25.76	24.54
10.42	10.53	10.65	10.74	10.94	10.95	11.07	11.19
26.72	27.94	28.78	25.62	27.46	28.77	29.12	27.18
11.27	11.38	11.52	11.63	11.73	11.83	11.94	12.02
31.80	34.47	34.89	33.46	34.71	36.23	34.72	33.59
12.11	12.24	12.34	12.48	12.61	12.72	12.85	12.96
35.69	37.58	35.60	36.11	36.73	37.55	36.39	37.35
13.09	13.20	13.25	13.36	13.46	13.54	13.67	13.83
37.36	38.52	41.87	38.98	40.33	41.69	42.80	40.49
14.01	14.14	14.22	14.40	14.47	14.61	14.75	14.98
42.56	43.53	46.73	46.77	44.56	47.29	45.89	47.44
15.04	15.19	15.27	15.32	15.44	15.49	15.57	15.66
44.92	43.67	45.51	51.51	40.58	45.47	42.84	48.88
15.88	15.91	15.96	16.06	16.15	16.23	16.33	16.42
47.78	45.29	48.28	49.18	43.88	48.10	42.81	43.63
16.51	16.68	16.73	16.80	16.89	16.99	17.10	17.20
45.19	42.18	44.98	41.76	40.86	38.71	40.12	43.89
17.31	17.39	17.52	17.63	17.76	17.86	17.96	18.09
39.46	40.78	40.86	37.71	38.57	39.62	37.64	36.88
18.21	18.33	18.45	18.57	18.69	18.97	18.98	19.08
46.28	44.04	47.27	43.48	41.84	45.47	45.52	49.44
19.23	19.48	19.49	19.67	19.81	19.97	20.11	20.27
42.59	42.99	46.08	41.57	40.97	44.12	38.62	44.48
20.38	20.42	20.58	20.75	20.92	21.09	21.22	21.39
41.48	44.39	45.24	41.85	36.98	44.33	42.98	47.31
21.60	21.75	21.95	22.14	22.33	22.52	22.71	22.99
51.21	51.56	44.31	45.34	47.81	52.20	41.45	44.77
23.13	23.32	23.52	23.76	24.81	24.15	24.31	24.59
42.57	41.56	46.60	43.56	42.51	40.15	36.76	39.21
24.65	24.92	25.15	25.31	25.45	25.67		
44.05	36.68	35.78	41.62	41.64	41.47		


DATA
REACTION (3-LI-7(G,N)3-LI-6,PAR,DA,,,EXP)
MU-B/SR
49.5
48
46.5
45
43.5
42
40.5
39
37.5
36
34.5
33
31.5
30
28.5
27
25.5
24
22.5
21
19.5
18
16.5
15
13.5
12
10.5
9
7.5
6
4.5
3
1.5
8.0
10.0
12.0
14.0
EN
MEV


DATA
CONTINUE
MU-B/SR
52.5
51
49.5
48
46.5
45
43.5
42
40.5
39
37.5
36
34.5
33
31.5
30
28.5
27
25.5
24
22.5
21
19.5
18
16.5
15
13.5
12
10.5
9
7.5
6
4.5
3
1.5
14.0
16.0
18.0
20.0
22.0
EN
MEV

COFE PHOTONUCLEAR DATA SHEETS

LI050 J,BJP,55,428,77 H.FERDINANDE

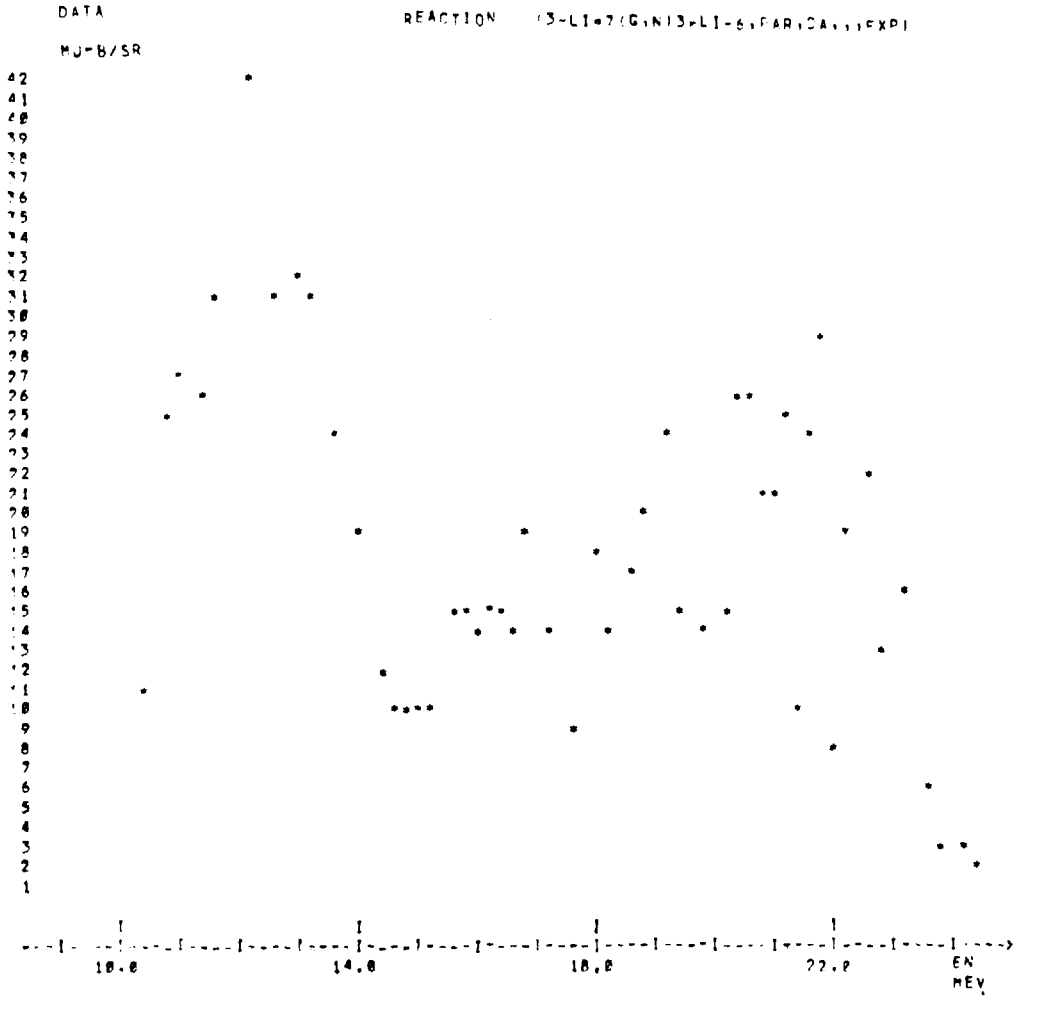
LI050010(3-LI-7(G,N)3-LI-6,PAR,DA,,,EXP)

COMMON PARAMETERS

ANG 90, ADEG

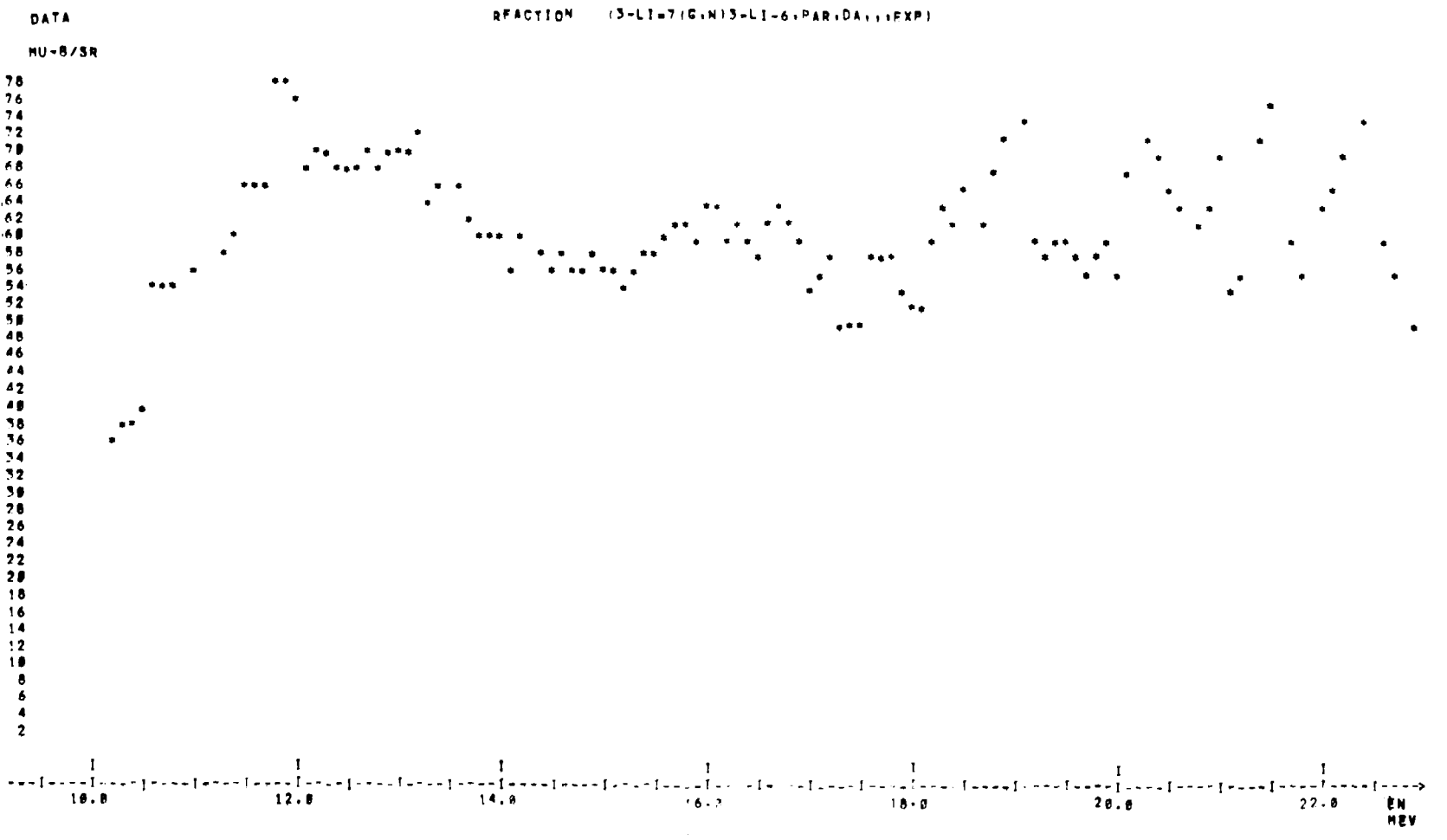
E-LVL 2.185 MEV

EN DATA MEV MU-B/SR											
12.30	12.62	12.96	13.28	13.62	11.35	11.68	12.1?
31.90	30.78	31.25	30.85	23.78	25.44	30.53	01.1?
14.80	15.00	15.21	15.5?	15.75	13.98	14.32	14.59
9.46	9.48	9.46	14.89	14.15	18.29	11.2?	9.5?
16.59	16.89	17.19	17.29	17.60	15.94	16.17	16.3?
13.37	10.82	13.94	13.95	8.72	13.27	14.4?	14.4?
18.88	19.10	19.27	19.49	19.82	17.98	18.2?	18.57
19.85	23.74	23.54	14.46	13.33	12.49	13.79	16.39
20.71	20.99	21.14	21.41	21.58	20.13	20.3?	20.5?
20.92	20.84	24.92	9.35	23.36	14.34	25.0?	25.1?
22.54	22.86	23.18	23.55	23.80	21.76	21.9?	22.2?
21.94	12.11	15.25	5.5?	2.65	28.46	7.7?	19.0?
					24.18	24.3?	
					2.26	1.8?	



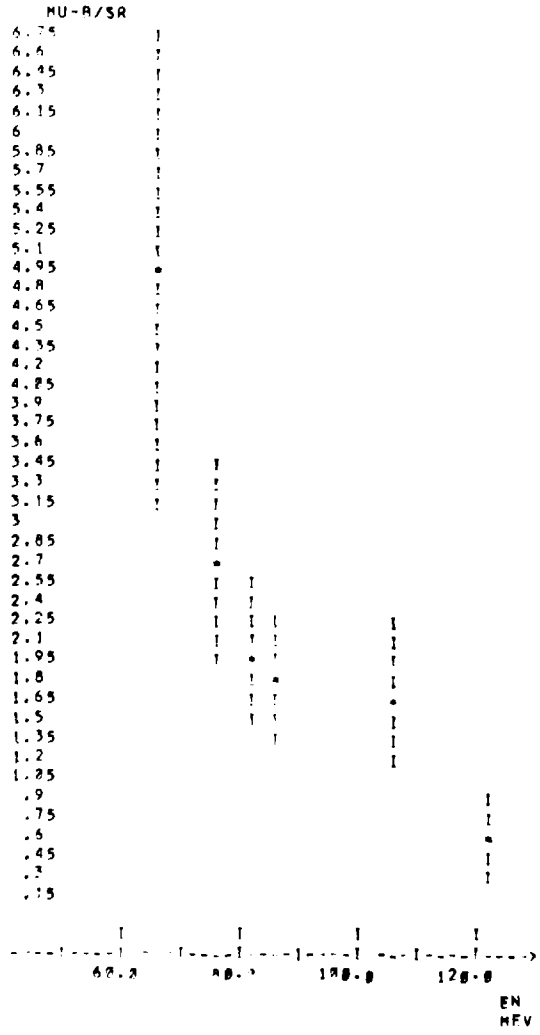
CDFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS		
LI050 J,CJP,55,428,77 H,FERDINANDE		ANG	90.	ADEG
LI050011(3-LI-7(G,N)3-LI-6,PAR,DA,,,EXP)		E-LVL-MIN	0.	MEV
		E-LVL-MAX	2.185	MEV

EN	MEV	10.2	10.3	10.4	10.5	10.55	10.6
DATA	MU-B/SR	35.4	36.3	37.5	38.5	52.3	53.5
10.65	10.7	10.8	11.0	11.3	11.35	11.4	11.45
52.5	50.	53.7	54.8	57.3	59.3	60.4	65.9
11.5	11.6	11.7	11.8	11.9	11.95	12.0	12.1
65.5	64.3	65.4	77.9	76.4	75.7	65.6	67.7
12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9
69.5	68.1	66.6	67.4	67.8	68.9	67.8	68.8
13.0	13.1	13.2	13.3	13.4	13.6	13.7	13.8
68.5	69.6	72.0	63.2	64.4	65.5	60.4	59.3
13.9	13.95	14.0	14.1	14.2	14.4	14.5	14.6
58.7	59.5	60.5	54.7	58.3	56.4	54.7	57.0
14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4
55.1	55.9	57.2	55.0	54.6	53.8	55.7	56.3
15.5	15.55	15.6	15.65	15.8	15.9	16.0	16.1
57.6	58.8	60.4	62.0	61.1	59.3	63.1	62.6
16.2	16.25	16.3	16.4	16.5	16.6	16.7	16.75
58.8	61.2	56.3	58.3	57.4	61.9	63.5	61.9
16.8	16.9	16.95	17.0	17.1	17.2	17.3	17.4
60.4	58.9	53.7	53.6	54.5	56.1	48.3	49.3
17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2
49.7	56.2	56.6	57.4	52.4	51.4	50.9	58.4
18.3	18.4	18.5	18.7	18.8	18.9	19.1	19.2
62.2	61.2	64.1	60.4	66.8	70.9	73.5	59.3
19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.
57.9	58.8	59.7	56.6	55.1	56.4	58.7	55.1
20.1	20.3	20.4	20.5	20.6	20.8	20.9	21.0
67.2	70.2	70.	65.9	64.8	61.5	62.9	68.5
21.1	21.2	21.4	21.5	21.7	21.8	22.0	22.1
53.5	54.6	71.4	74.8	59.3	56.	63.6	64.9
22.2	22.4	22.6	22.7	22.9			
69.9	73.4	59.7	54.6	49.5			


DATA
REACTION (3-LI-7(G,N)3-LI-6,PAR,DA,,,EXP)
MU-B/SR
78
76
74
72
70
68
66
64
62
60
58
56
54
52
50
48
46
44
42
40
38
36
34
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
10.0
12.0
14.0
16.0
18.0
20.0
22.0
EN
MEV

```
*****************************************************************************************
*                 COFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI255   J.PR/C,01,(2),469, 80 J.ASAI                     *ANG-CH          58,     ADEG     *
*        LI255003(3-LI-7(G,N)3-LI-6,,DA,,,EXP)                    *                                 *
*                                                                 *                                 *
*                                                                 *                                 *
*****************                                                 *****************************
* EN          MEV        *    67.    *    77.    *    82.    *    87.    *   107.    *   122.
* DATA        MU-B/SR         4.89        2.69        1.94        1.74        1.62        0.54
* DATA-ERR    MU-B/SR         1.76        0.74        0.5         0.39        0.51        0.34
```

DATA REACTION (3-LI-7(G,N)3-LI-6,,DA,,,EXP)



CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI057 J,PRL,3P,1831,83 M,R,SENE						*ANG-CM	25.	ADEG
LI057002(3-LI-7(G,N)3-LI-6,PAR,DA,,,EXP)						*E-LVL-MIN	0.	MEV
						*E-LVL-MAX	4,633	MEV
EN	MEV	60.	80.	100.	120.			
DATA	MU-B/SR	2.4	1.49	0.58	0.58			
DATA-ERR	MU-B/SR			0.1				

CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI057 J,PRL,5P,1831,83 M,R,SENE						*ANG-CM	52.	ADEG
LI057003(3-LI-7(G,N)3-LI-6,PAR,DA,,,EXP)						*E-LVL-MIN	0.	MEV
						*E-LVL-MAX	4,633	MEV
EN	MEV	60.	80.	100.	120.			
DATA	MU-B/SR	3.32	1.41	0.8	0.6			
DATA-ERR	MU-B/SR			0.04	0.07			

CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI057 J,PRL,5P,1831,83 M,R,SENE						*ANG-CM	80.	ADEG
LI057004(3-LI-7(G,N)3-LI-6,PAR,DA,,,EXP)						*E-LVL-MIN	0.	MEV
						*E-LVL-MAX	4,633	MEV
EN	MEV	60.	80.	100.	120.			
DATA	MU-B/SR	3.25	1.	0.62	0.32			
DATA-ERR	MU-B/SR			0.06	0.05			

CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI057 J,PRL,5P,1831,83 M,R,SENE						*ANG-CM	113.	ADEG
LI057005(3-LI-7(G,N)3-LI-6,PAR,DA,,,EXP)						*E-LVL-MIN	0.	MEV
						*E-LVL-MAX	4,633	MEV
EN	MEV	60.	80.	100.	120.			
DATA	MU-B/SR	2.27	0.45	0.21	0.278			
DATA-ERR	MU-B/SR			0.24	0.06			

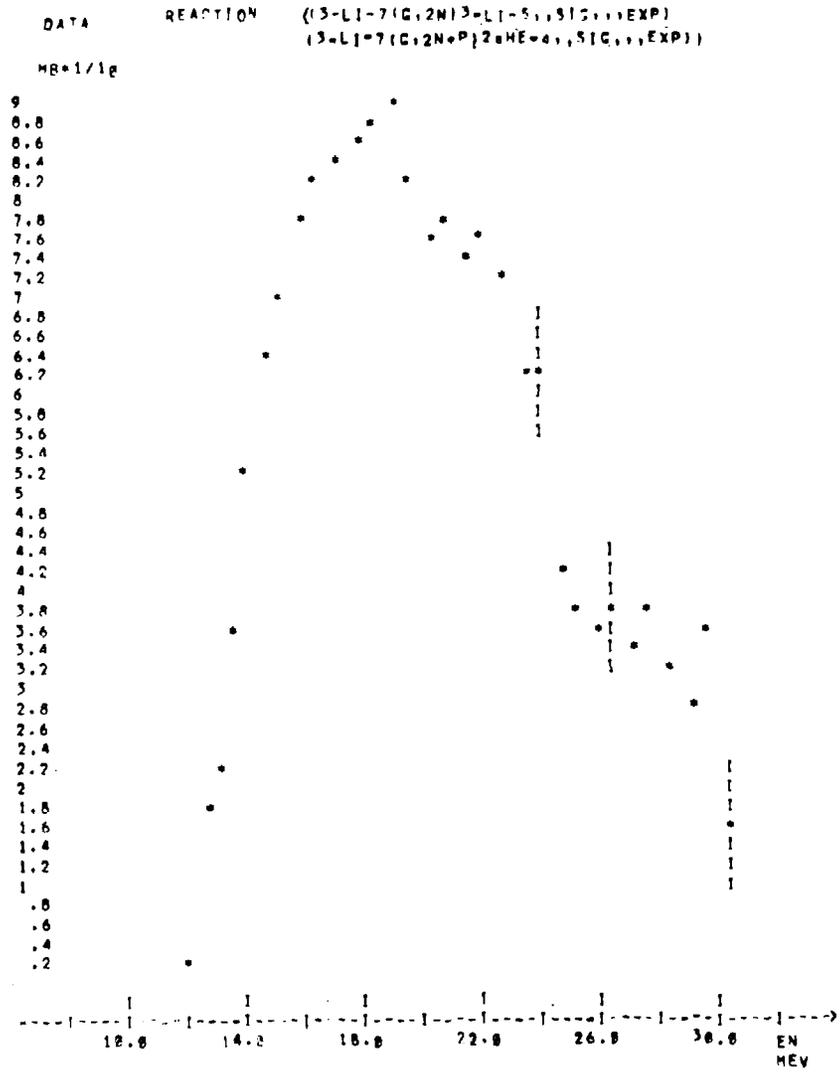
CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI057 J,PRL,5P,1831,83 M,R,SENE						*ANG-CM	147.	ADEG
LI057006(3-LI-7(G,P)2-HE-4,PAR,DA,,,EXP)						*E-LVL-MIN	0.	MEV
EN	MEV	60.	80.	100.	120.			
DATA	MU-B/SR	0.53	0.27	0.1	0.047			
DATA-ERR	MU-B/SR	0.14		0.008	0.01			

CDE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

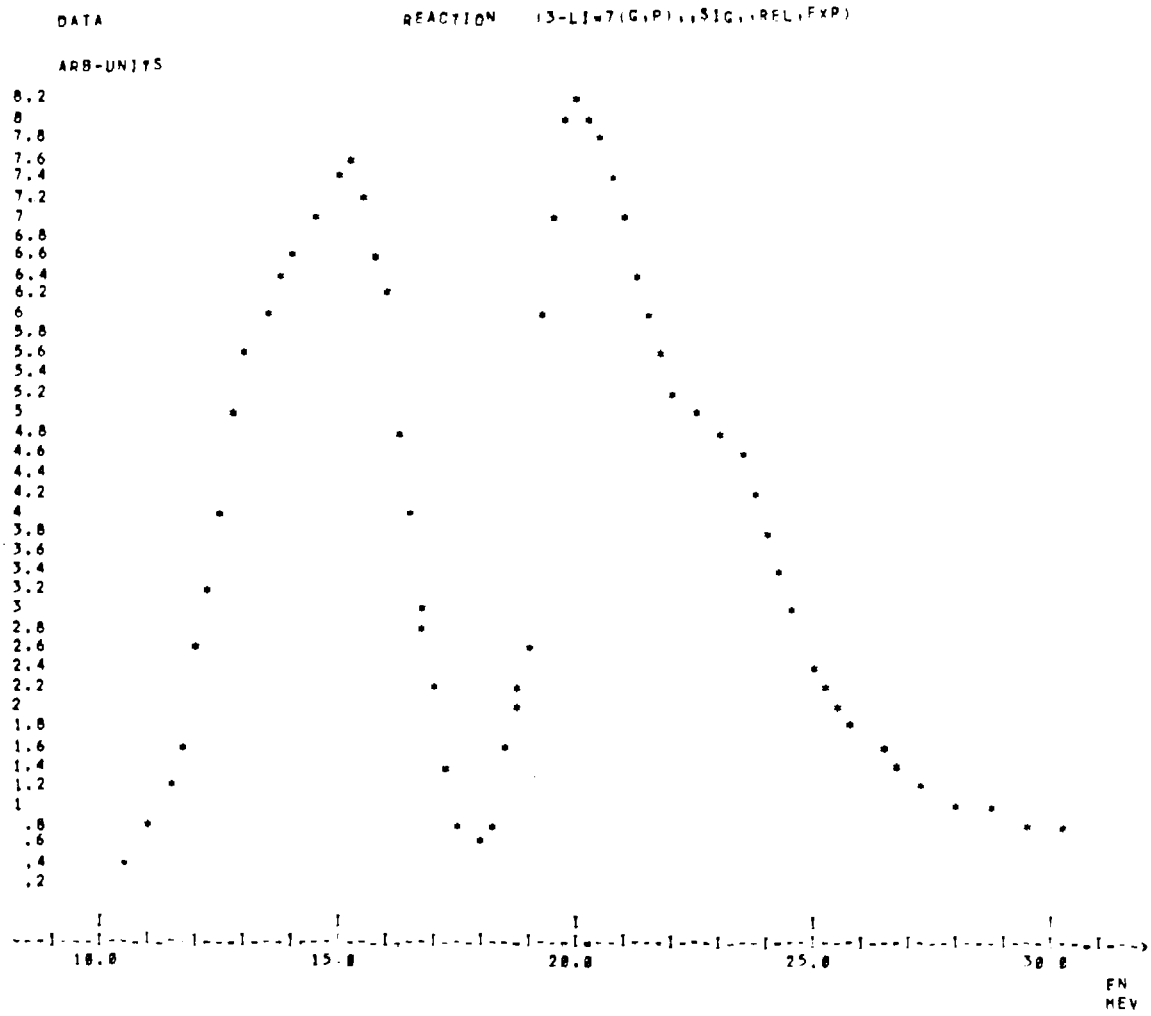
LI841 C,73PACIFI,1,175,73R,L,PRAMBLETT
LI84108R4((3-LI-7(G,2N)3-LI-5,,SIG,,,EXP)+
(3-LI-7(G,2N+P)2-HE-4,,SIG,,,EXP))

EN	MEV	11.84	12.14	12.44	12.77	13.08	13.38
DATA	MB	0.086	0.051	0.188	0.171	0.282	0.321
DATA-ERR	MB						
13.68	14.16	14.75	15.35	15.97	16.60	17.25	17.85
0.341	0.512	0.650	0.693	0.771	0.800	0.822	0.842
18.47	19.06	19.70	20.32	20.96	21.58	22.19	22.81
0.863	0.880	0.813	0.758	0.760	0.720	0.740	0.789
23.48	24.02	24.65	25.28	25.92	26.55	27.13	27.76
0.611	0.612	0.480	0.372	0.340	0.361	0.330	0.360
	0.864				0.86		
28.38	29.20	29.63	30.53				
0.381	0.260	0.340	0.142				
			0.059				



CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI001 J,NPA,2A,185,55 F,HEINRICH LI001003(3-LI-7(G,P),,SIG,,REL,EXP)	

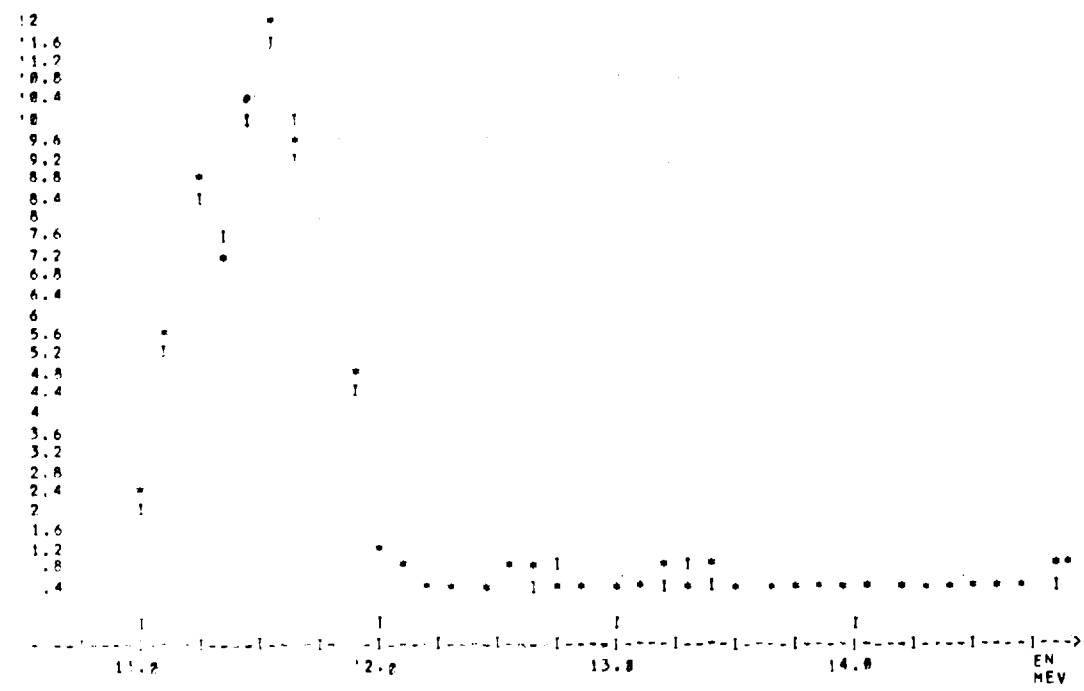
EN DATA	MEV ARB-UNITS	10.6 0.23	11.1 0.66	11.5 1.89	11.8 1.56	12.1 2.46	12.2 3.
12.3 3.53	12.4 3.99	12.6 4.53	12.8 4.95	13.1 5.49	13.4 5.87	13.7 6.2	14. 6.56
14.6 6.99	14.9 7.28	15.3 7.4	15.6 7.12	15.8 6.57	16. 6.84	16.1 5.38	16.2 4.69
16.4 3.99	16.6 3.35	16.7 2.8	16.9 2.12	17.2 1.37	17.5 0.77	17.9 0.51	18.2 0.72
18.3 0.99	18.5 1.42	18.7 2.	18.9 2.49	19. 4.37	19.1 5.2	19.2 5.9	19.3 6.44
19.4 6.88	19.6 7.43	19.8 7.56	20.1 8.02	20.3 7.88	20.5 7.61	20.7 7.28	20.9 6.9
21.2 6.38	21.4 5.9	21.7 5.49	22.1 5.14	22.5 4.91	23.1 4.72	23.5 4.41	23.8 4.03
24. 3.72	24.3 3.26	24.5 2.9	24.9 2.37	25.2 2.1	25.4 1.88	25.7 1.69	26.4 1.41
26.8 1.27	29.3 1.13	28.1 0.95	28.8 0.82	29.5 0.75	30.2 0.68		



CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI81B J,ZET,42,1438,62 A,KH,SHARDANOV						EN-MAX 16,5 MEV		
LI81B883(3-LI-7(G,P)2-HE-6,,SIG,,,EXP)								
EN	MEV	12.01	12.12	12.23	12.34	12.44	12.55	
DATA	MICRO-B	2.	5.2	8.55	7.1	10.1	11.7	
DATA-ERR	MICRO-B	0.2	0.2	0.2	0.2	0.25	0.25	
12.67	12.77	12.88	13.0	13.11	13.22	13.32	13.43	
9.4	7.	4.5	0.06	0.62	0.33	0.32	0.34	
0.25	0.25	0.25	0.06	0.05	0.04	0.04	0.04	
13.56	13.64	13.76	13.87	13.98	14.09	14.19	14.3	
0.54	0.44	0.38	0.25	0.24	0.28	0.44	0.39	
0.05	0.05	0.04	0.04	0.03	0.04	0.05	0.04	
14.42	14.52	14.63	14.74	14.85	14.96	15.07	15.18	
0.42	0.28	0.21	0.25	0.23	0.24	0.29	0.27	
0.04	0.04		0.04		0.04		0.04	
15.29	15.39	15.5	15.61	15.72	15.83	15.92		
0.26	0.32	0.36	0.28	0.35	0.46	0.68		
	0.86		0.05		0.08	0.1		

DATA REACTION (3-LI-7(G,P)2-HE-6,,SIG,,,EXP)

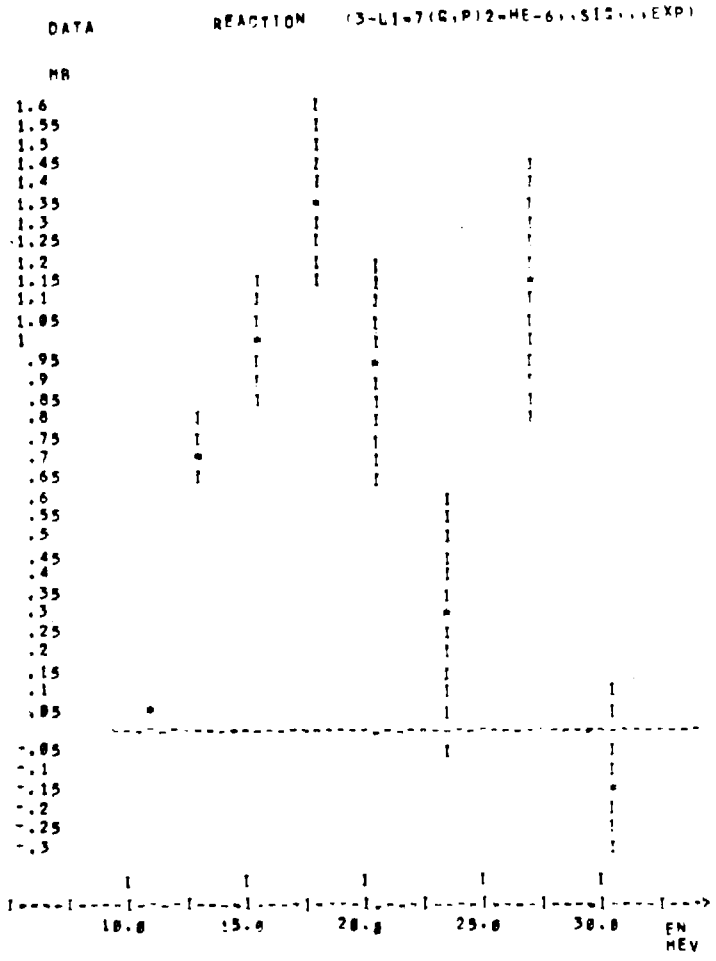
MICRO-B *1/1P



CDFE PHOTONUCLEAR DATA SHEETS					COMMON PARAMETERS
LI81B J,ZET,42,1438,62 A,KH,SHARDANOV					EN-MAX 16,5 MEV
LI81B887(3-LI-7(G,P)2-HE-6,PAR,SIG,,,EXP)					
E-LVL	MEV	12.54	13.54	14.3	
DATA	MB	1.2	0.85	0.84	
DATA-ERR	MB	0.5	0.825	0.82	
SPIN J	NO-DIM	1.5	0.5	0.5	
PARITY	NO-DIM	1.	-1.	-1.	

CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI811 J;NP,32,543,62 A,G,GREGORY LI811003(3-LI-7(G,P)2-HE-6,,SIG,,,EXP)	

EN	MEV	11.	12.8	15.4	18.	20.6	23.5	27.	30.5
DATA	MB	0.05	0.68	0.96	1.35	0.9	0.28	1.11	-0.1
DATA-ERR	MB		0.08	0.14	0.22	0.27	0.31	0.34	0.18

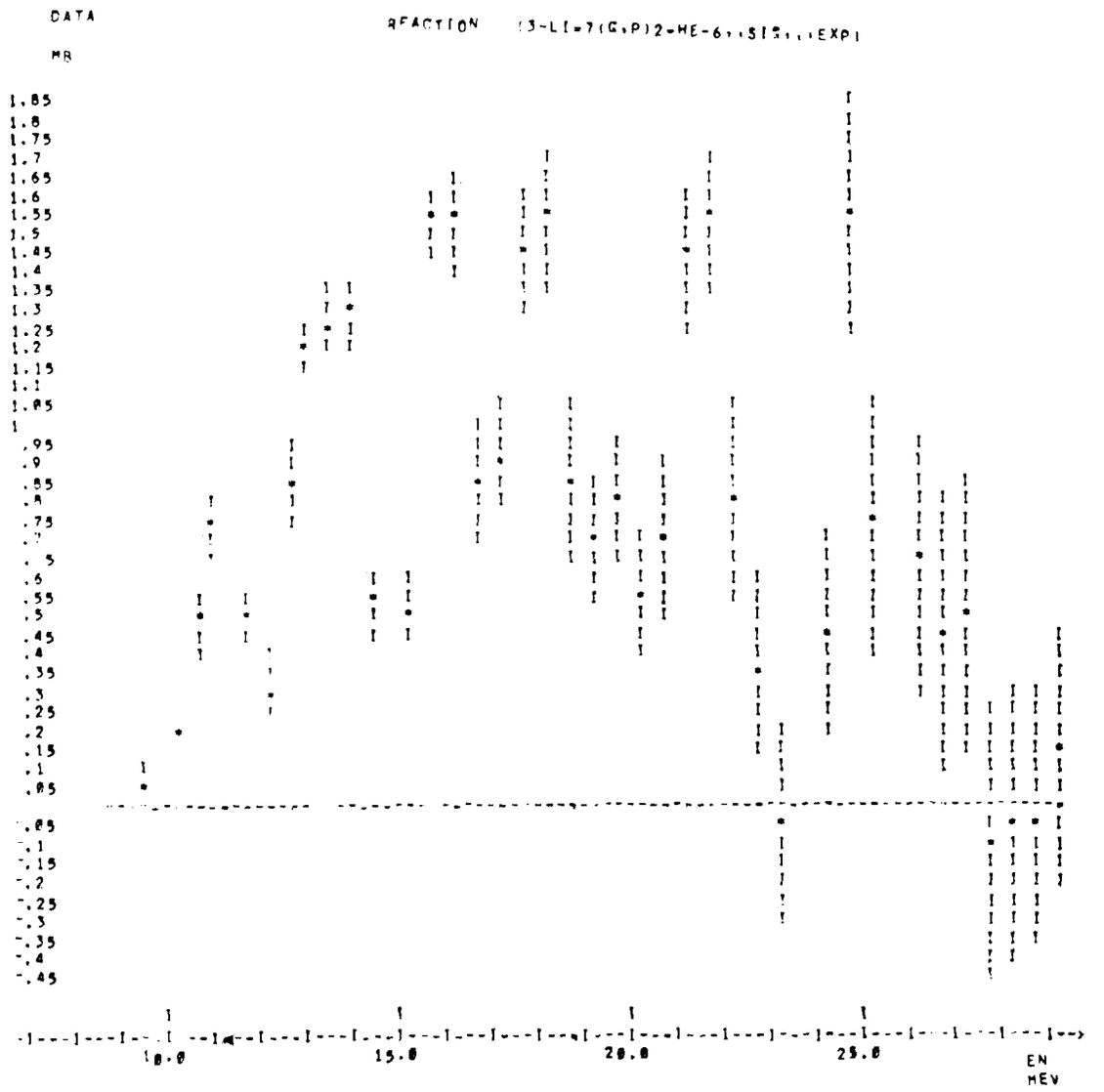


CDFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

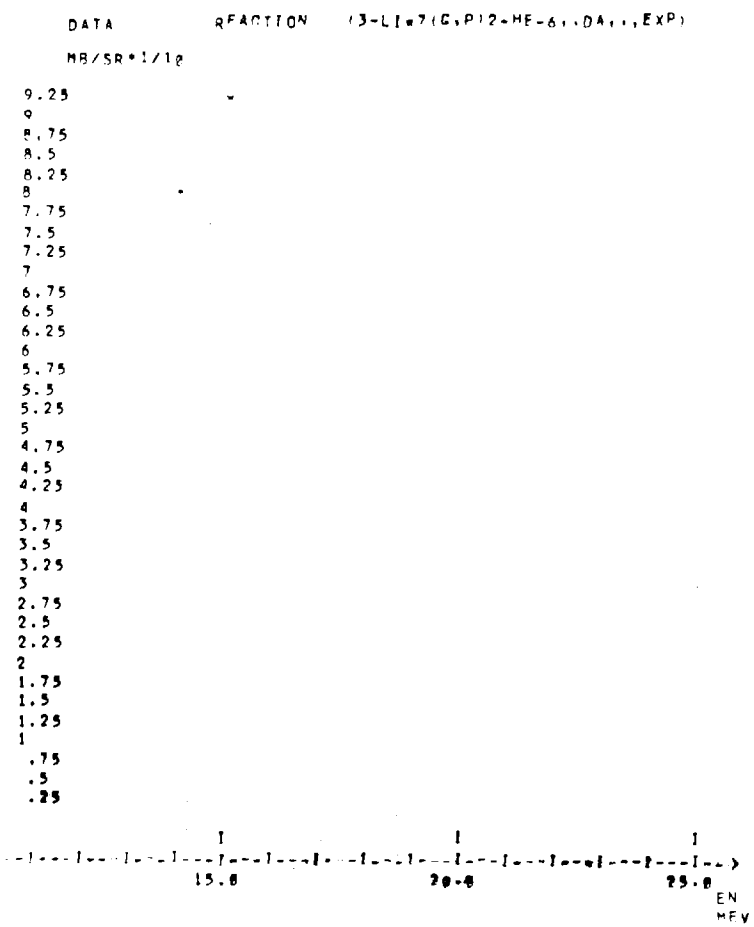
LI015 J,IZV,27,(11),1412,50, L.A.KULCHITSKY
LI015003(3-LI-7(G,P)2-HE-6,,SIG,,,EXP)

EN	MEV		9.6		10.2		10.7		11.1		11.7		12.3
DATA	MB		0.84		0.18		0.46		0.72		0.49		0.29
DATA-ERR	MB		0.82		0.82		0.86		0.87		0.85		0.87
12.7		13.1		13.6		14.1		14.5		15.2		15.7		16.2
0.82		1.19		1.24		1.27		0.51		0.49		1.5		1.51
0.88		0.85		0.87		0.87		0.88		0.88		0.89		0.11
16.7		17.2		17.7		18.2		18.7		19.2		19.7		20.3
0.84		0.89		1.41		1.51		0.81		0.67		0.77		0.54
0.15		0.13		0.15		0.19		0.19		0.15		0.14		0.15
20.8		21.2		21.7		22.3		22.8		23.2		24.3		24.8
0.67		1.41		1.57		0.78		0.35		-0.04		0.42		1.53
0.18		0.16		0.18		0.25		0.22		0.22		0.25		0.28
25.2		26.3		26.8		27.3		27.5		28.3		28.8		29.3
0.71		0.61		0.44		0.49		-0.09		-0.04		-0.03		0.17
0.32		0.32		0.34		0.34		0.32		0.32		0.31		0.39



COFE PHOTONUCLEAR DATA SHEETS					COMMON PARAMETERS			
LI038 J,C,JP,4A,1917,78 C,F,WONG					ANG	90.	ADEG	
LI038010(3-LI-7(G,P12-HE-6,,DA,,,EXP)					EN-MAX	21,6	MEV	
EN	MEV	15.45	16.55	17.87	18.5			
DATA	MB/SR	0.05	0.072	0.072	0.249			

COFE PHOTONUCLEAR DATA SHEETS							COMMON PARAMETERS			
LI038 J,C,JP,4A,1917,78 C,F,WONG							ANG	90.	ADEG	
LI038011(3-LI-7(G,P12-HE-6,,DA,,,EXP)							EN-MAX	26,9	MEV	
EN	MEV	14.82	15.81	16.86	18.82	20.1	21.99			
DATA	MB/SR	0.078	0.092	0.089	0.291	0.075	0.044			
24.84	25.82									
0.041	0.029									



COFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI038 J,CJP,4P,1917,78 C,F,WONG	ANG 90. ADEG
LI038012(3-LI-7(G,P)2-HE-4,,DA,,,EXP)	EN-MAX 43,9 MEV

EN	MEV	14.	16.	18.	20.1	22.2	24.2	25.3
DATA	MB/SR	0.091	0.107	0.102	0.094	0.084	0.064	0.058

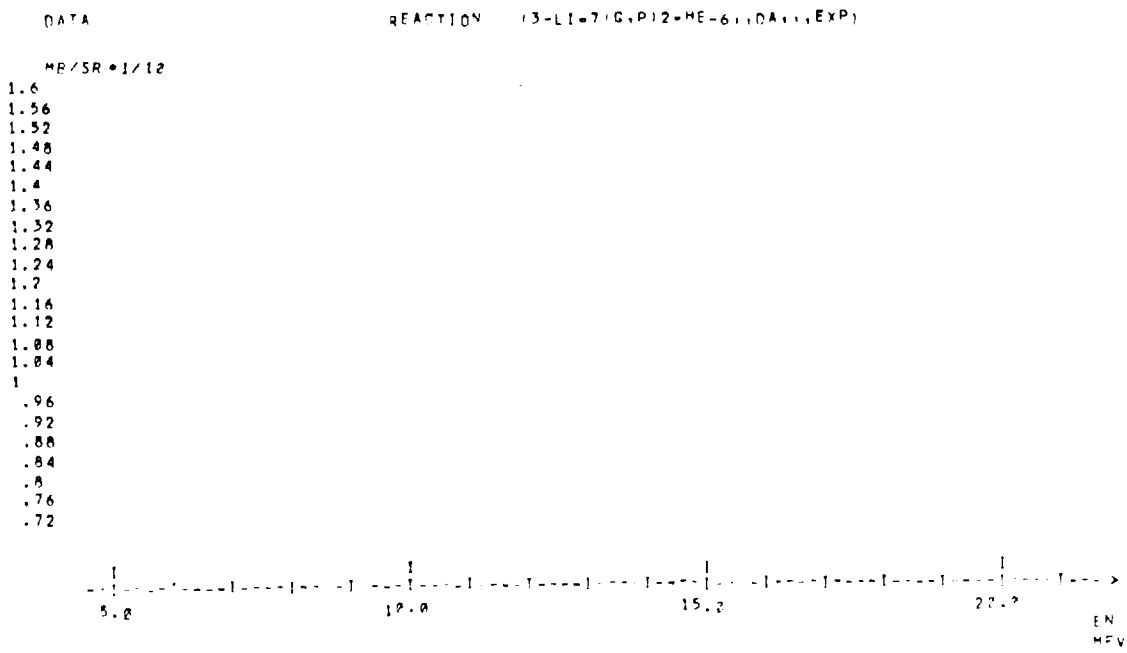
DATA REACTION (3-LI-7(G,P)2-HE-4,,DA,,,EXP)

MB/SR *1/10

1.275
1.25
1.225
1
.975
.95
.925
.9
.875
.85
.825
.8
.775
.75
.725
.7
.675
.65
.625
.6
.575
.55
.525
.5
.475
.45
.425
.4
.375
.35
.325
.3
.275
.25
.225
.2
.175
.15
.125
.1
.075
.05
.025

8.0 12.0 16.0 20.0 24.0 EN MEV

CDFE PHOTONUCLEAR DATA SHEETS					COMMON PARAMETERS			
LI838 J,@JP,4A,1917,78 C,F,WONG					*ANG	90.	ADEG	
LI2380131(3-LI-7(G,P)2-HE-6,,DA,,,EXP)					*EN-MAX	90,	MEV	
EN	MEV	14.49	16.03	16.79	18.44	20.29	23.44	
DATA	MB/SR	0.148	0.144	0.158	0.146	0.145	0.139	

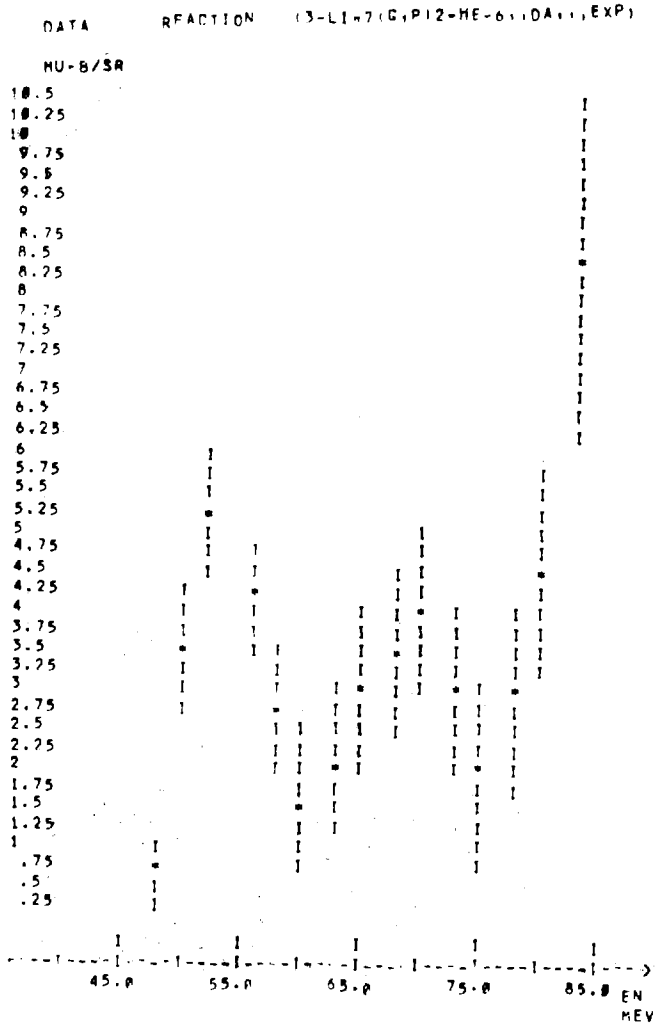


CDFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS		
LI039 J,NP/A,153,401,7E M,SANEBME		*ANE	45.	ADEC
LI039004(3-LI-7(G,P)2-HE-6,,DA,,EXP)		*ANE-ERR	15.	ADEC
		*E-MAX	38.7	MEV

EN	MEV	48.	50.	52.	56.	58.	60.
DATA	MU-B/SR	0.55	3.39	5.16	4.1	2.6	1.47
DATA-ERR	MU-B/SR	0.41	0.72	0.71	0.65	0.82	0.82

63.	65.	68.	70.	73.	75.	78.	80.
1.94	2.89	3.38	3.84	2.88	1.78	2.77	4.42
0.85	0.96	1.04	1.02	1.06	1.12	1.09	1.29

83.
8.32
2.13



COFE PHOTONUCLEAR DATA SHEETS

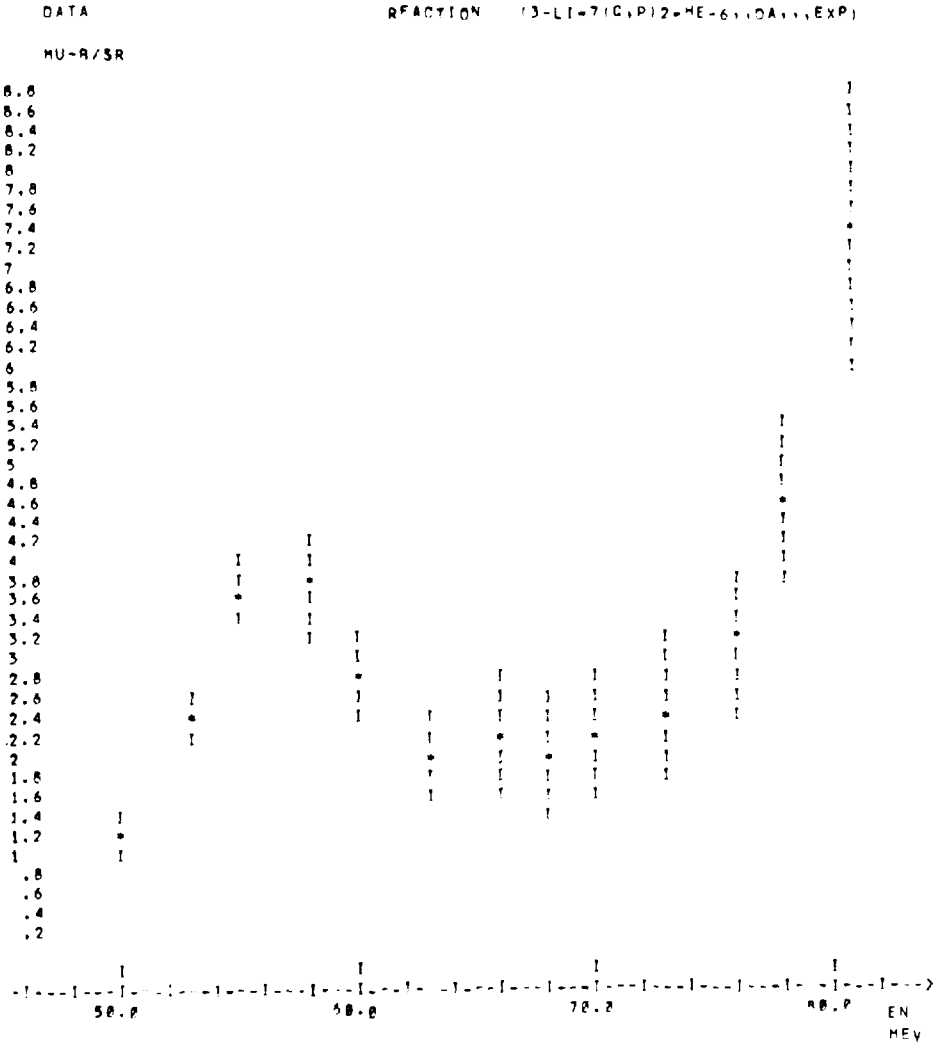
LI039 J,NP/A,,53,421,78 M,SANZONE
LI039@@6(3,LI-7(G,P)2-HE-6,,DA,,,EXP)

COMMON PARAMETERS

ANG	45.	DEG
ANG-ERR	15.	DEG
E-MAX	41.3	MEV

EN	MEV	50.	53.	55.	58.	60.	63.
DATA	MU-B/SR	1.15	2.33	3.57	3.63	2.72	1.92
DATA-ERR	MU-B/SR	0.27	0.23	0.32	0.52	0.43	0.44

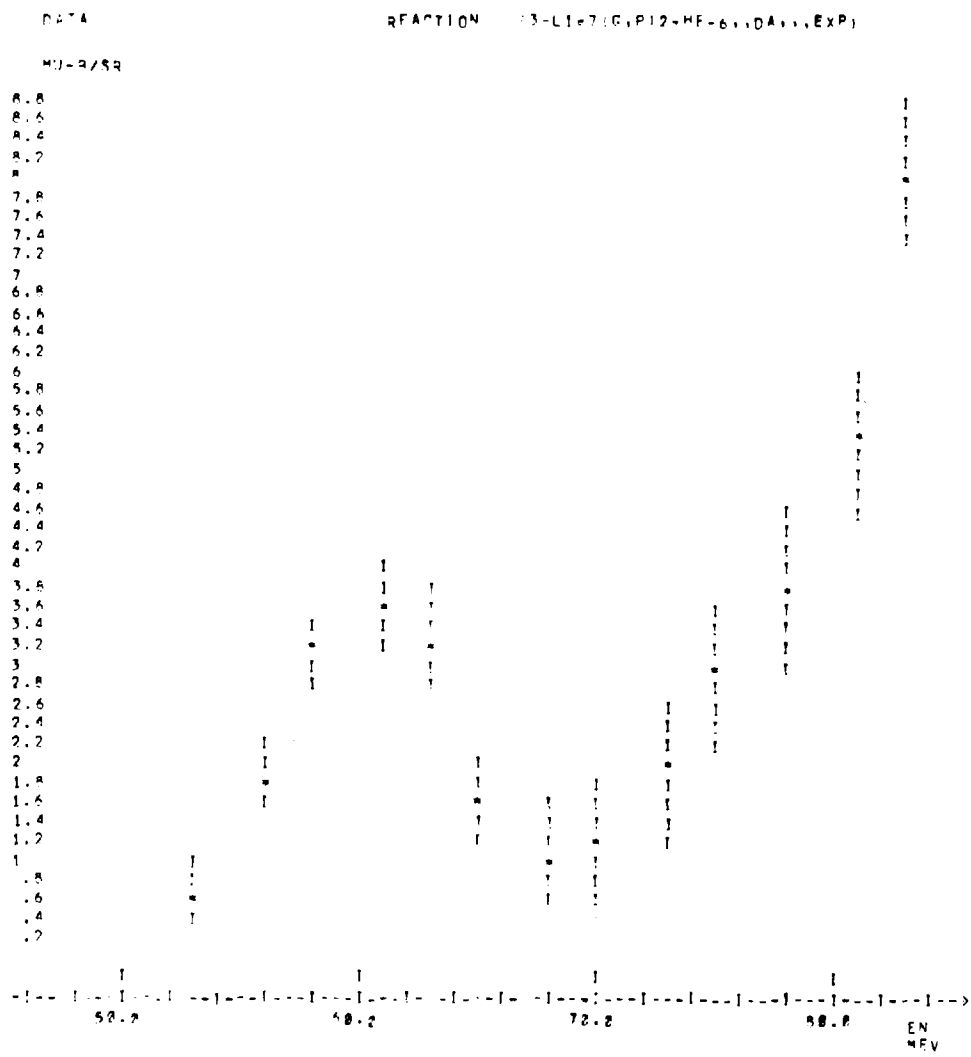
66.	68.	70.	73.	76.	78.	81.
2.04	1.91	2.12	2.35	3.81	4.4	7.3
0.6	0.59	0.52	0.68	0.72	0.8	1.45



CODE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS		
.1239 J,NP/A,153,421,78 M,SANZONE	ANG	45.	ADEG
.1239008(3-LI-7(G,P)2-HE-6,,DA,,,EXP)	ANG-ERR	15.	ADEG
	E-MAX	43.7	MEV

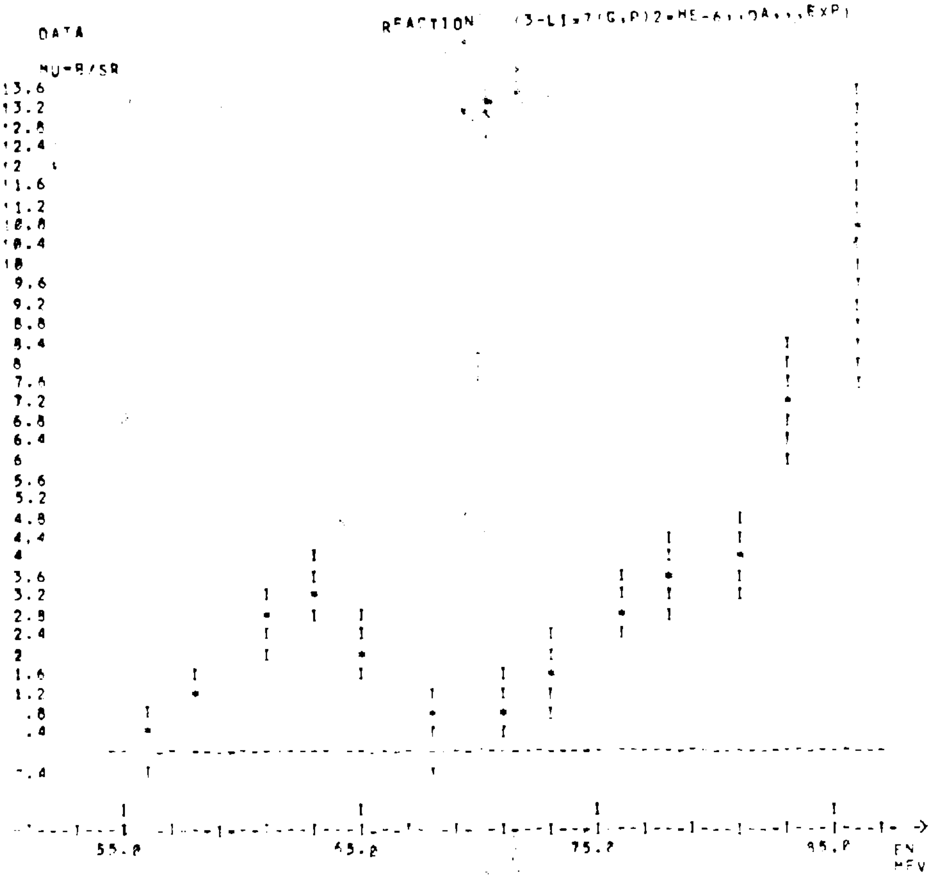
	MEV		53.		56.		58.		61.		63.		65.
	MU-B/SR		0.59		1.73		3.81		3.49		3.12		1.58
-ERR	MU-B/SR		0.28		0.31		0.37		0.36		0.48		0.39
68.	70.		73.		75.		78.		81.		83.		
0.97	1.17		1.81		2.85		3.75		5.21		7.98		
0.54	0.59		0.54		0.65		0.76		0.76		0.64		

DATA REACTION (3-LI-7(G,P)2-HE-6,,DA,,,EXP)



CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS		
LI039 J,NP/A,,53,401,70 M.SANZONE	ANG	45.	ADEG
LI039010(3-LI-7(G,P)2-HE-6,,DA,,,EXP)	ANG-ERR	15.	ADEG
	E-MAX	44.2	MEV

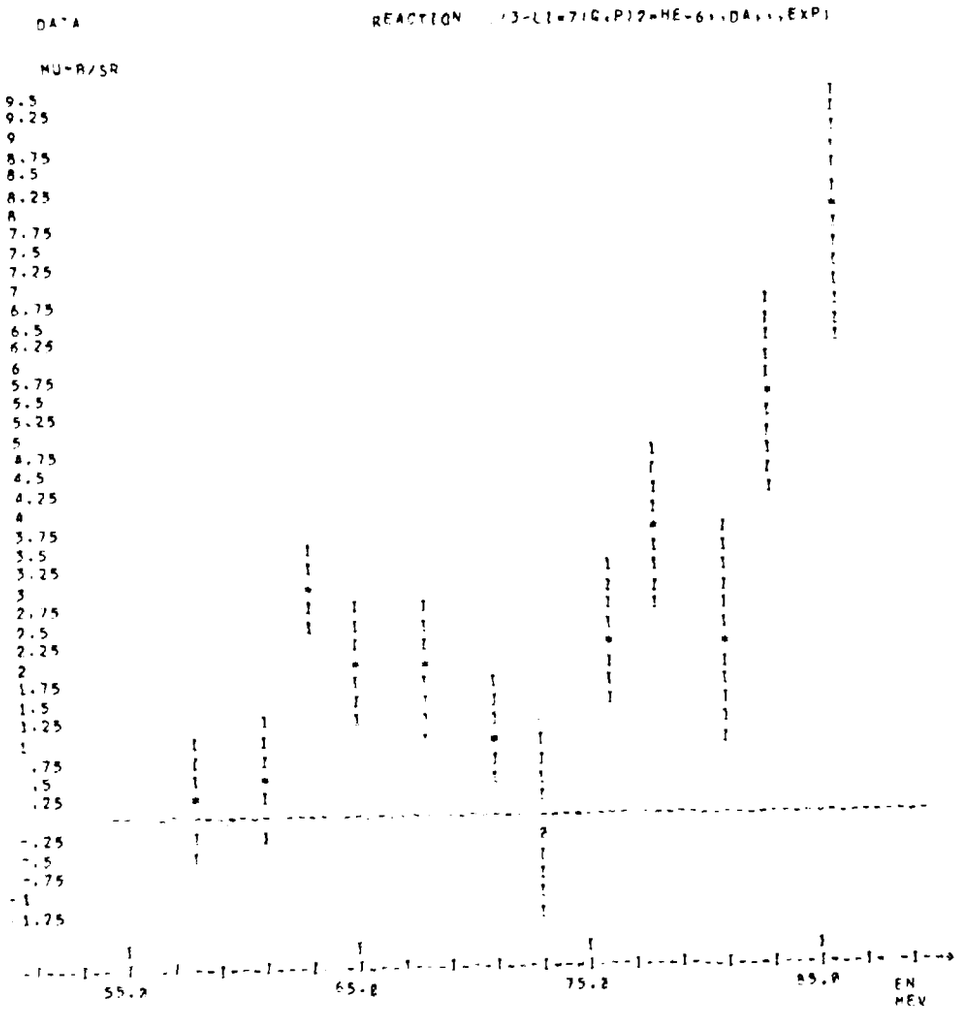
EN (MEV)	DATA (MU-B/SR)	DATA-ERR (MU-B/SR)
56.	0.21	0.24
58.	1.18	0.37
61.	2.4	0.4
63.	3.14	2.47
65.	1.93	0.55
68.	0.47	0.7
71.	0.68	0.59
73.	1.35	0.78
76.	2.7	0.66
78.	3.28	0.76
81.	3.96	2.92
83.	6.97	1.27
86.	10.44	2.9



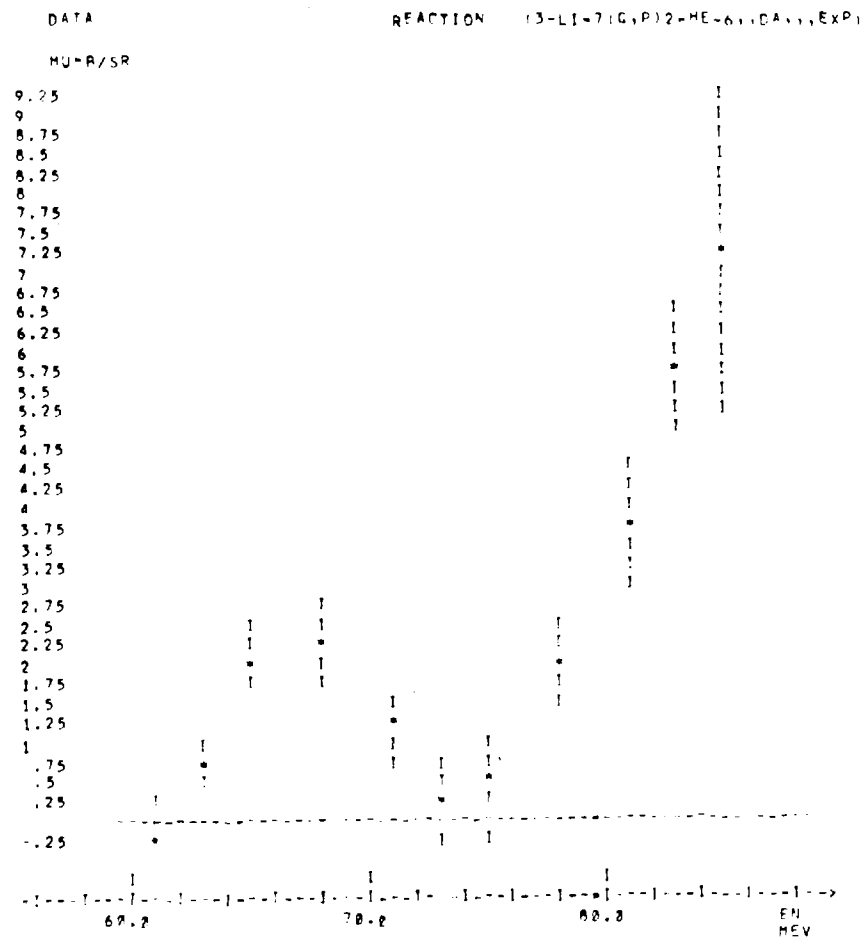
CDE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS		
LI039 J,NP/A,,53,421,78 M,SANZONE	ANG	45.	ADEG
LI039B12/3-LI-7/G,P)2-HE-6,,DA,,,EXP)	ANG-ERR	15.	ADEG
	E-MAX	48.7	MEV

EN	MEV	58.	61.	63.	65.	68.	71.
DATA	MU-B/SR	0.2	0.42	2.88	1.92	1.76	0.98
DATA-ERR	MU-B/SR	0.65	0.65	0.57	0.41	0.89	0.66

73.	76.	78.	81.	83.	86.
0.	2.24	3.66	2.21	5.34	7.77
1.	0.98	1.83	1.32	1.27	1.61

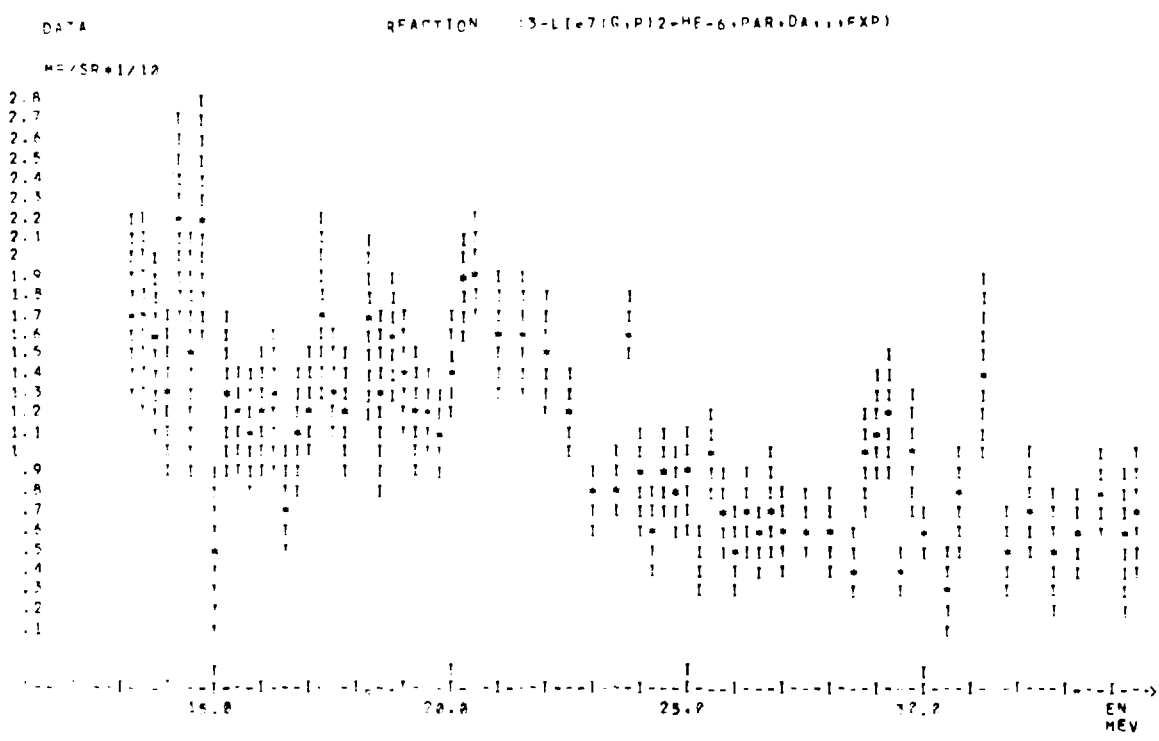


CDFE PHOTONUCLEAR DATA SHEETS					COMMON PARAMETERS		
LI@39 J,NP/A,153,421,70 M,SA,ZONE					ANG	45,	ADEG
LI239@14(3-LI-7(G,P)2-HE-6,,DA,,,EXP)					ANG-ERR	15,	ADEG
					E-MAX	51.2	MEV
EN	MEV	61.	63.	65.	68.	71.	73.
DATA	MU-B/SR	0.	0.64	1.93	2.29	1.07	0.18
DATA-ERR	MU-B/SR	0.16	0.28	0.42	0.56	0.33	0.41
75.	78.	81.	83.	85.			
0.34	1.93	3.56	5.61	7.22			
0.55	0.56	0.7	0.81	2.2			



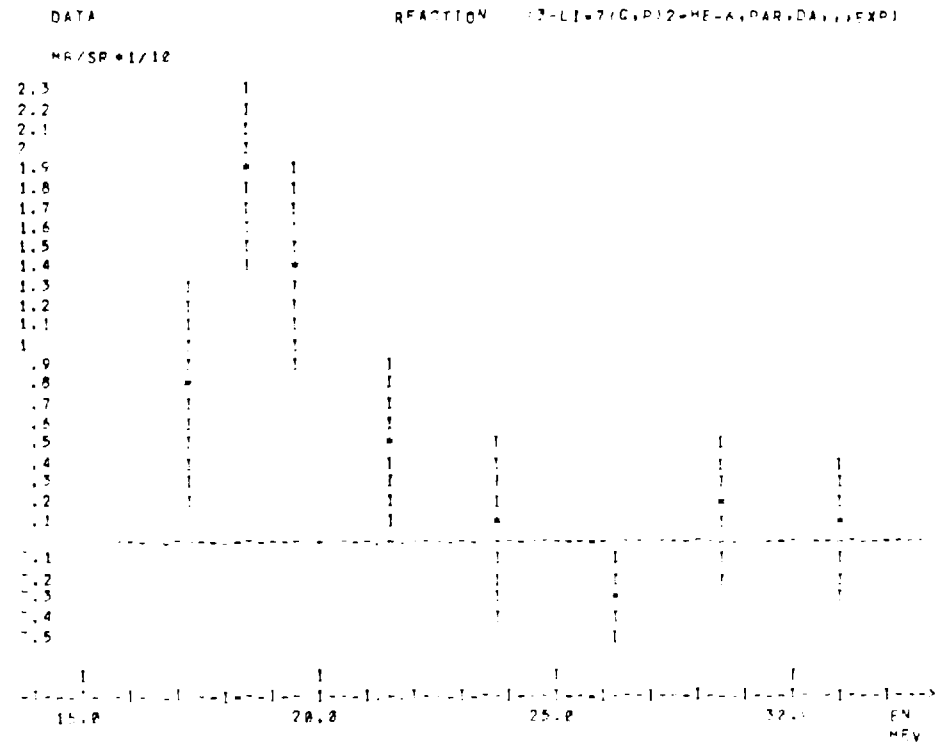
CDE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI044 J,vF,2Ø,(6),,1106,74V,P,DENISOV LI044ØØ2(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)	ANG 9Ø. ADEG E-LVL Ø. MEV

EN	MEV		13.3	13.6	13.8	14.1	14.2	14.5
DATA	MB/SR		Ø.147	Ø.163	Ø.151	Ø.128	Ø.213	Ø.146
DATA-ERR	MB/SR		Ø.Ø45	Ø.Ø48	Ø.Ø45	Ø.Ø41	Ø.Ø52	Ø.Ø42
14.7	15.1	15.2	15.5	15.7	16.	16.2	16.5	
Ø.215	Ø.Ø47	Ø.129	Ø.112	Ø.1Ø5	Ø.119	Ø.123	Ø.Ø48	
Ø.261	Ø.Ø42	Ø.Ø39	Ø.Ø27	Ø.Ø26	Ø.Ø29	Ø.Ø33	Ø.Ø26	
16.7	16.9	17.1	17.3	17.5	17.8	18.3	18.6	
Ø.1Ø5	Ø.118	Ø.167	Ø.169	Ø.128	Ø.116	Ø.162	Ø.123	
Ø.Ø27	Ø.Ø25	Ø.Ø33	Ø.Ø41	Ø.Ø23	Ø.Ø33	Ø.Ø46	Ø.Ø46	
18.7	19.	19.3	19.5	19.8	20.	20.2	20.4	
Ø.158	Ø.137	Ø.112	Ø.114	Ø.1Ø6	Ø.14	Ø.1Ø4	Ø.1Ø7	
Ø.Ø31	Ø.Ø32	Ø.Ø32	Ø.Ø21	Ø.Ø21	Ø.Ø21	Ø.Ø25	Ø.Ø26	
20.6	20.9	21.1	21.4	21.6	21.9	22.1	22.4	
Ø.172	Ø.159	Ø.1Ø6	Ø.157	Ø.165	Ø.142	Ø.123	Ø.115	
Ø.Ø3	Ø.Ø29	Ø.Ø23	Ø.Ø28	Ø.Ø27	Ø.Ø28	Ø.Ø28	Ø.Ø19	
22.6	22.9	23.1	23.4	23.6	23.8	24.1	24.3	
Ø.126	Ø.27	Ø.Ø87	Ø.Ø77	Ø.1	Ø.156	Ø.Ø83	Ø.Ø54	
Ø.Ø21	Ø.Ø19	Ø.Ø21	Ø.Ø17	Ø.Ø26	Ø.Ø15	Ø.Ø25	Ø.Ø18	
24.5	24.8	25.	25.3	25.5	25.7	26.	26.2	
Ø.Ø85	Ø.Ø76	Ø.Ø81	Ø.Ø4	Ø.Ø95	Ø.Ø65	Ø.Ø44	Ø.Ø66	
Ø.Ø21	Ø.Ø23	Ø.Ø25	Ø.Ø12	Ø.Ø23	Ø.Ø19	Ø.Ø1Ø	Ø.Ø22	
26.5	26.7	26.9	27.1	27.4	27.6	27.9	28.1	
Ø.Ø51	Ø.Ø68	Ø.Ø53	Ø.Ø77	Ø.Ø56	Ø.Ø81	Ø.Ø58	Ø.Ø43	
Ø.Ø15	Ø.Ø25	Ø.Ø19	Ø.Ø22	Ø.Ø16	Ø.Ø19	Ø.Ø19	Ø.Ø2	
28.4	28.6	28.8	29.	29.3	29.6	29.7	30.	
Ø.Ø3Ø	Ø.Ø3Ø	Ø.Ø9	Ø.1Ø9	Ø.113	Ø.Ø34	Ø.Ø97	Ø.Ø55	
Ø.Ø17	Ø.Ø1	Ø.Ø24	Ø.Ø24	Ø.Ø31	Ø.Ø11	Ø.Ø27	Ø.Ø14	
30.5	30.8	31.2	31.8	32.2	32.8	33.2	33.7	
Ø.Ø25	Ø.Ø74	Ø.137	Ø.Ø46	Ø.Ø67	Ø.Ø42	Ø.Ø53	Ø.Ø75	
Ø.Ø22	Ø.Ø25	Ø.Ø46	Ø.Ø18	Ø.Ø25	Ø.Ø28	Ø.Ø23	Ø.Ø23	
34.2	34.6							
Ø.Ø52	Ø.Ø59							
Ø.Ø37	Ø.Ø29							



CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI044 J,Y,F,2Ø,(6),,1186,74Y,P,DENISOY	ANG 9Ø, ADEG
LI044003(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXPJ	F-LVL 1,A MEV

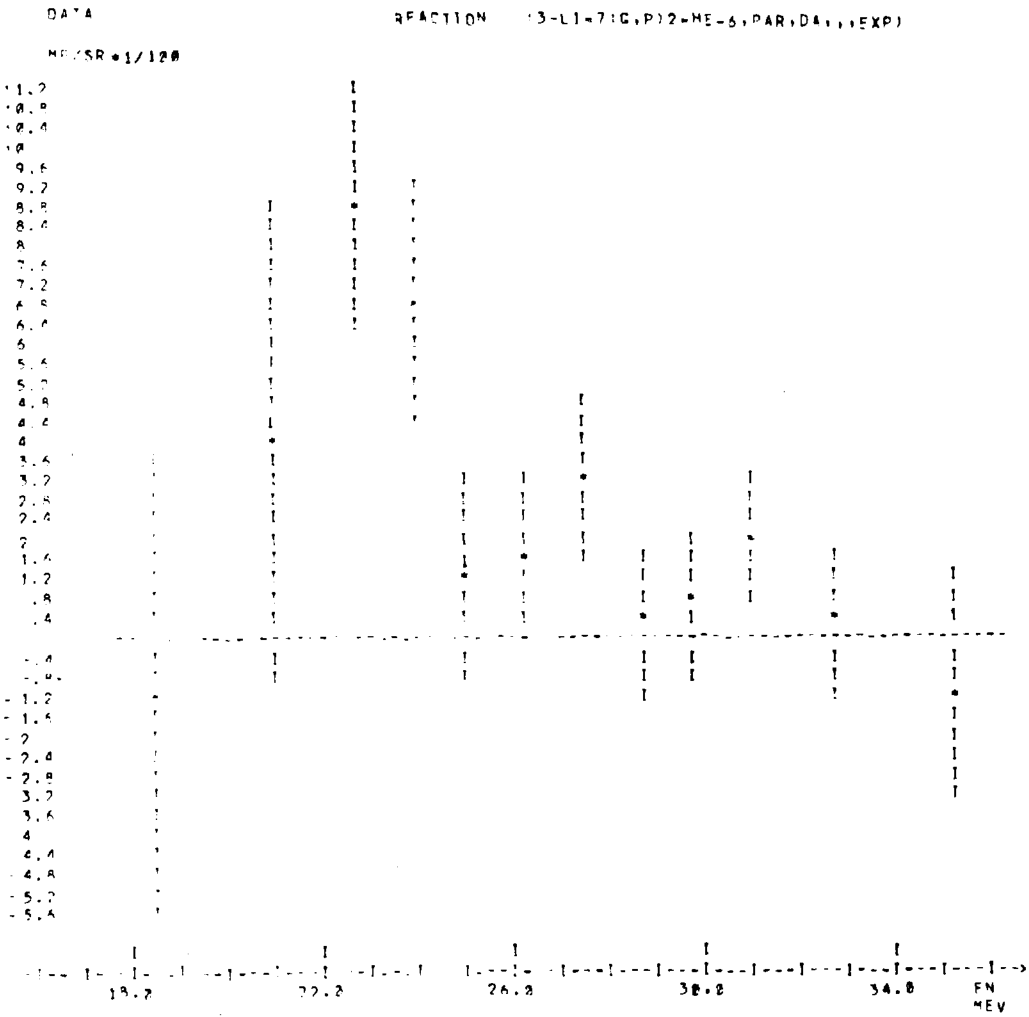
EN	MEV	17.2	18.4	19.6	21.4	23.8	26.2	28.5	30.9
DATA	MB/SR	0.071	0.183	0.134	0.047	0.005	-0.024	0.012	0.003
DATA-ERR	MB/SR	0.052	0.046	0.046	0.038	0.04	0.024	0.029	0.028



CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS		
LI244 J,YF,20,(6),1106,74V,P,DENISOV	ANG	90.	ADEG
LI244004(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)	F-LVL-MIN	2.1	MEV
	E-LVL-MAX	3.6	MEV

EN	MEV	18.6	21.	22.7	23.9	25.1	26.3
DATA	MB/SR	-0.21	0.04	0.087	0.065	0.012	0.016
DATA-ERR	MB/SR	0.044	0.046	0.024	0.024	0.016	0.013

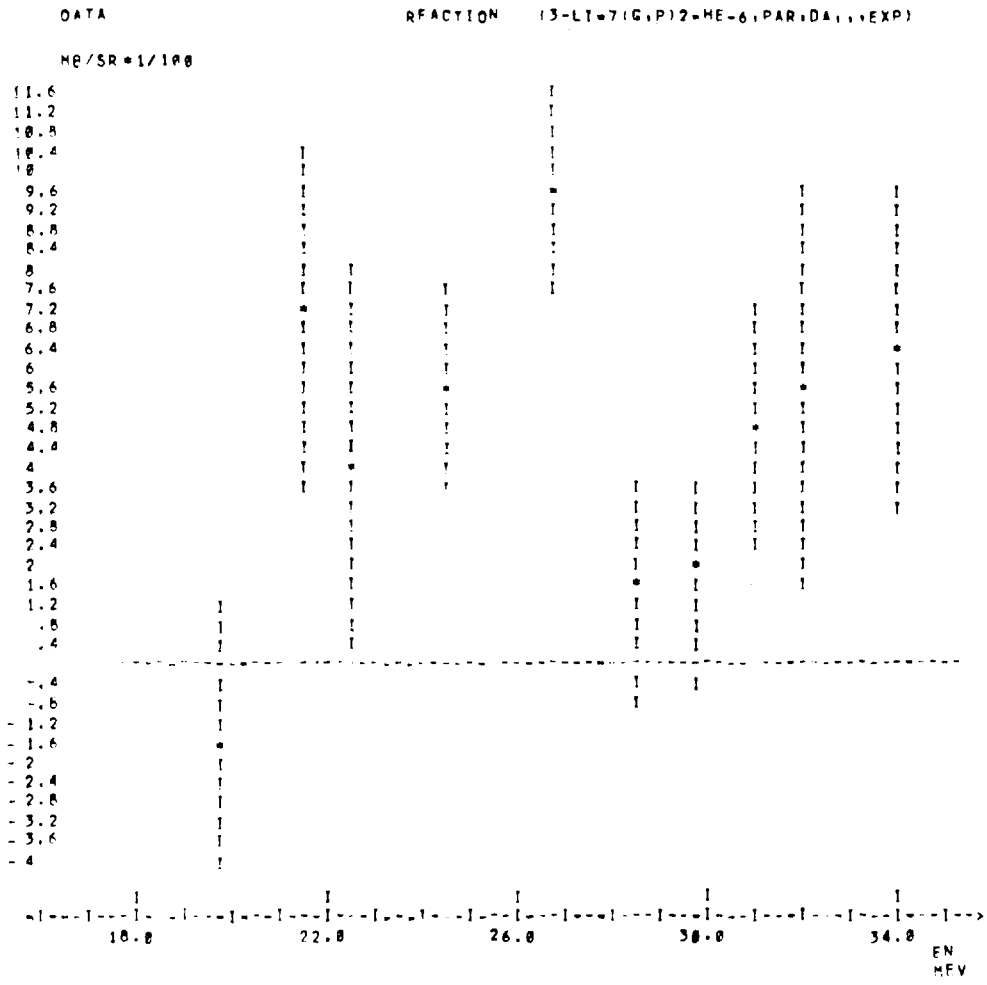
27.5	28.7	29.5	31.1	32.9	35.2
0.23	0.072	0.206	0.02	0.001	-0.01
0.015	0.011	0.014	0.012	0.013	0.021



CDFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS		
LI044 J,VF,2Ø,(6),1106,74V,P,DENISOV		*ANG	$9_Ø$,	ADEG
LI044005(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)		*E-LVL-MIN	3.6	MEV
		*E-LVL-MAX	5.7	MEV

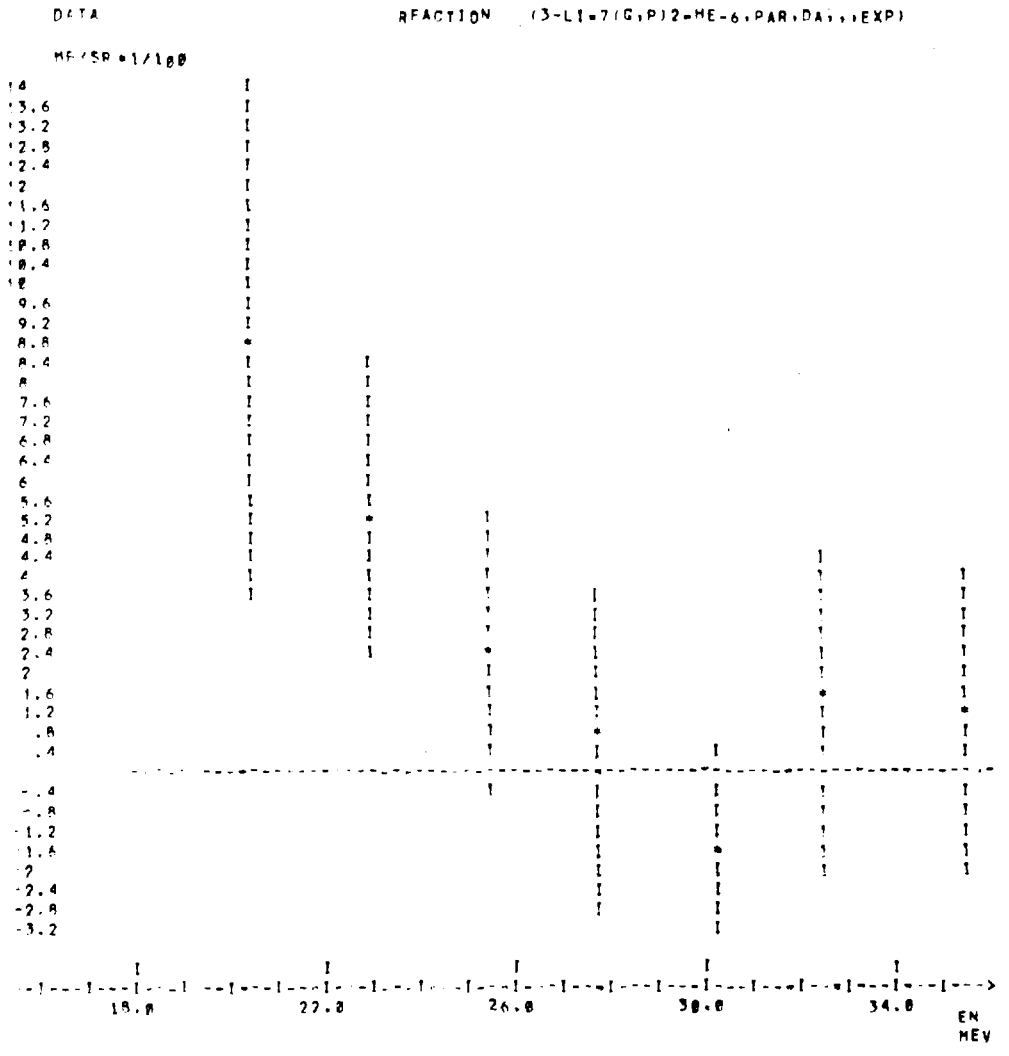
EN	MEV	19.7	21.5	22.6	24.4	26.8	28.5
DATA	MB/SR	-Ø.Ø15	Ø.ØØ9	2.Ø4	Ø.Ø54	Ø.Ø96	Ø.Ø16
DATA-ERR	MB/SR	Ø.Ø25	2.Ø34	2.Ø36	Ø.Ø19	Ø.Ø2	Ø.Ø2

29.7	3Ø.9	32.1	33.9
Ø.Ø17	Ø.Ø45	Ø.Ø54	Ø.ØØ2
Ø.Ø17	Ø.Ø25	Ø.Ø41	Ø.Ø32



CDFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS	
LI844 J,YF,2B,(6),1186,74Y,P,DEN15DV		*ANG	90, ADEG
LI844806(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)		*E-LVL-MIN	5,7 MEV
		*E-LVL-MAX	7,7 MEV

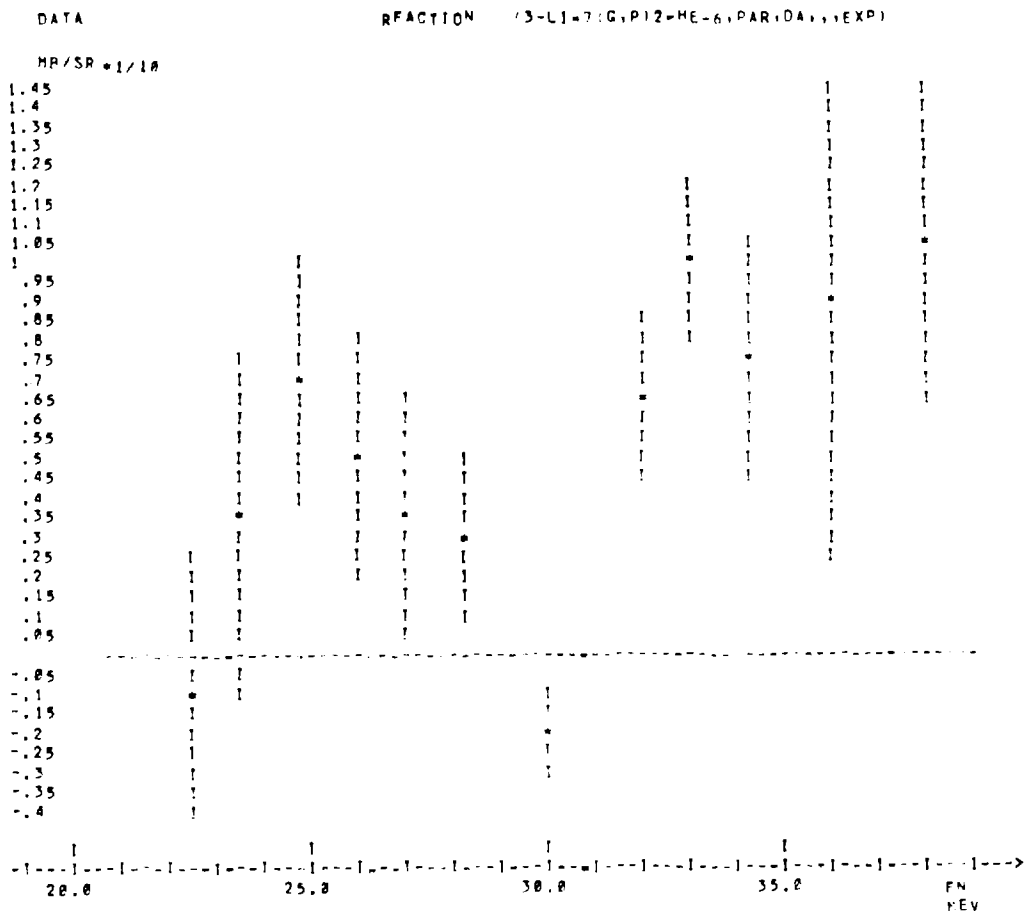
EN	MEV	20.6	23.	25.4	27.7	30.2	32.5	35.5
DATA	MB/SR	0.007	0.051	0.023	0.004	-0.014	0.012	0.009
DATA-ERR	MB/SR	0.051	0.029	0.026	0.029	0.016	0.03	0.027



COFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI044 J,VF,20,(6),1106,74V,P,DENISDV	*ANG 90. ADEG
LI044007(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)	*E-LVL-MIN 7.7 MEV
	*E-LVL-MAX 11, MEV

EN	MEV	22.5	23.5	24.7	25.9	27.1	28.3
DATA	MB/SR	-0.006	0.034	0.068	0.245	0.031	0.027
DATA-ERR	MB/SR	0.03	0.04	0.23	0.03	0.03	0.02

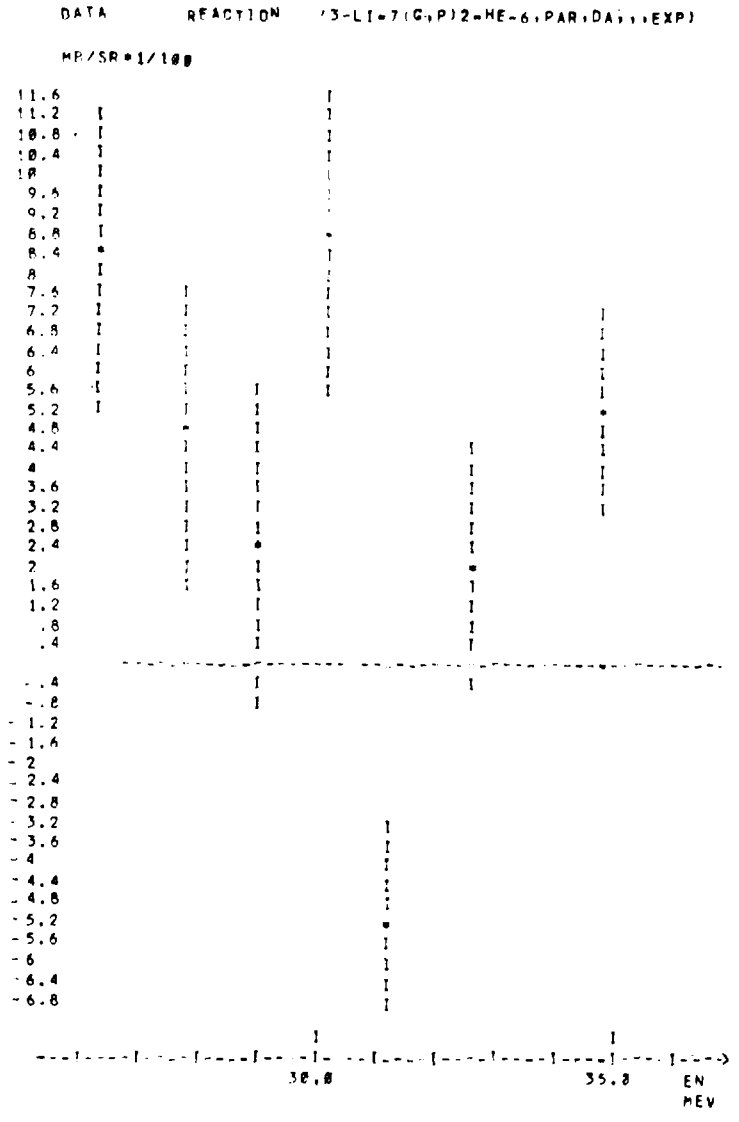
30.1	31.9	33.1	34.3	36.1	38.
-0.020	0.062	0.096	0.073	0.085	0.102
0.01	0.02	0.02	0.03	0.26	0.04



```
*****************************************************************************************
*                COFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI044   J,yF,20,(6),1106,74V.P.DENISOV                  *ANG              90.     ADEG     *
*        LI044008(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)                *E-LVL-MIN        11.     MEV      *
*                                                                *E-LVL-MAX        14.5    MEV      *
*                                                                *                                  *
*****************                                                *****************************
* EN          MEV        *    26.5    *    27.7    *    29.     *    30.2    *    31.3    *    32.5
* DATA        MB/SR            0.083       0.045       0.024       0.084      -0.048       0.020
* DATA-ERR    MB/SR            0.052       0.03        0.03        0.03        0.017       0.022
 *    34.8
      0.048
      0.02
```

DATA REACTION (3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)

MB/SR*1/100



COMPILE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS
LI055 J,PR/6,21,(2),469,80 J.ASAI		ANG-CM 58, ADEC
LI059002(3-LI-7(G,P)2-HE-6,,DA,,,EXP)		

EN	MEV	73.	78.	83.	88.	93.	98.	103.	113.
DATA	MU-B/SR	6.11	5.92	5.43	5.31	2.96	1.89	2.32	0.88
DATA-ERR	MU-B/SR	2.32	0.96	0.8	1.05	0.84	0.32	0.33	0.31

COFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS	
LI857 J,PRL,58,1831,83 M,R,SENE		ANG-CM	25. ADEG
LI857007(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)		E-LVL	0. MEV

EN	MEV	60.	80.	100.	120.
DATA	MU-B/SR	3.13	1.7	0.96	0.53
DATA-ERR	MU-B/SR			0.24	0.12

COFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS	
LI857 J,PRL,58,1831,83 M,R,SENE		ANG-CM	52. ADEG
LI857008(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)		E-LVL	0. MEV

EN	MEV	60.	80.	100.	120.
DATA	MU-B/SR	2.4	1.21	0.56	0.31
DATA-ERR	MU-B/SR			0.29	0.06

COFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS	
LI857 J,PRL,58,1831,83 M,R,SENE		ANG-CM	82. ADEG
LI857009(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)		E-LVL	0. MEV

EN	MEV	60.	80.	100.	120.
DATA	MU-B/SR	2.35	0.68	0.24	0.068
DATA-ERR	MU-B/SR	0.39		0.21	0.016

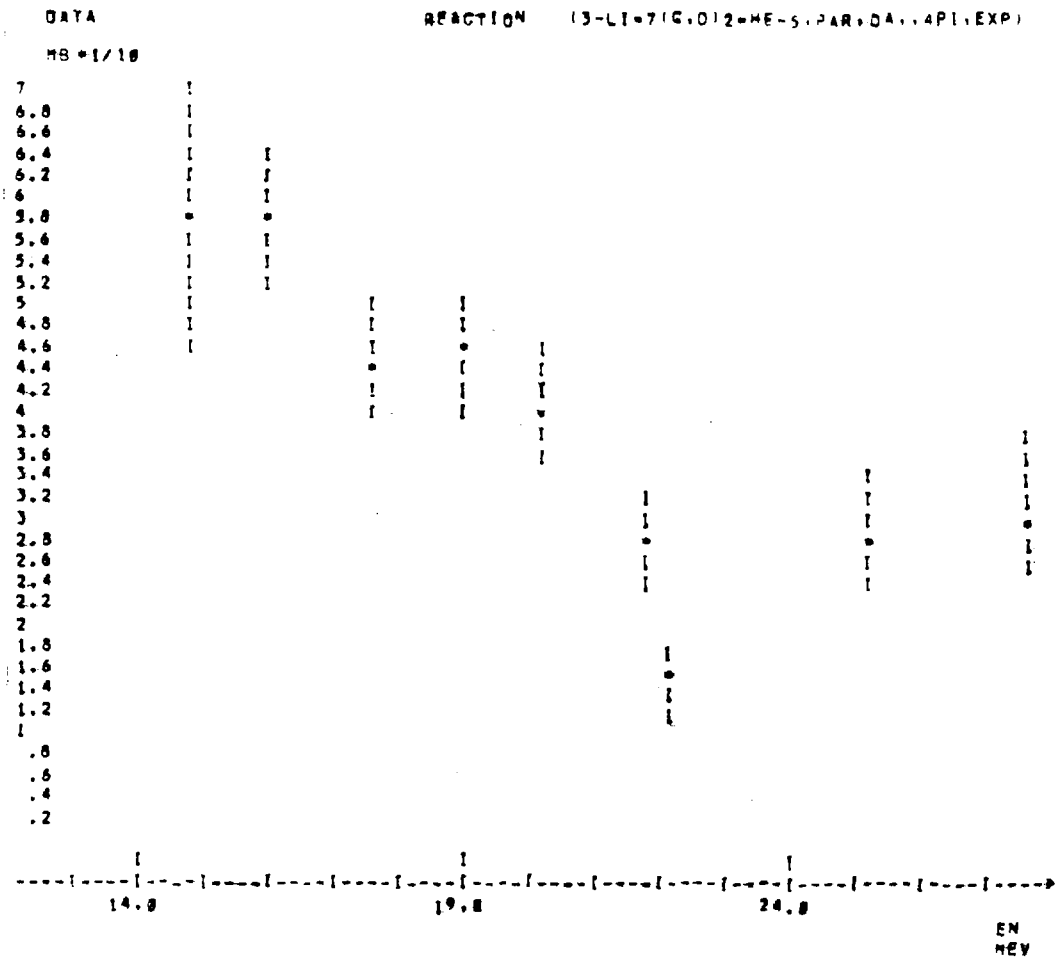
COFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS	
LI857 J,PRL,58,1831,83 M,R,SENE		ANG-CM	113. ADEG
LI857010(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)		E-LVL	0. MEV

EN	MEV	60.	80.	100.	120.
DATA	MU-B/SR	2.35	0.2	0.057	0.011
DATA-ERR	MU-B/SR	0.39		0.008	0.005

COFE PHOTONUCLEAR DATA SHEETS		COMMON PARAMETERS	
LI857 J,PRL,58,1831,83 M,R,SENE		ANG-CM	147. ADEG
LI857011(3-LI-7(G,P)2-HE-6,PAR,DA,,,EXP)		E-LVL	0. MEV

EN	MEV	60.	80.	100.	120.
DATA	MU-B/SR	2..	0.05	0.012	0.0021
DATA-ERR	MU-B/SR	0.39		0.002	0.0015

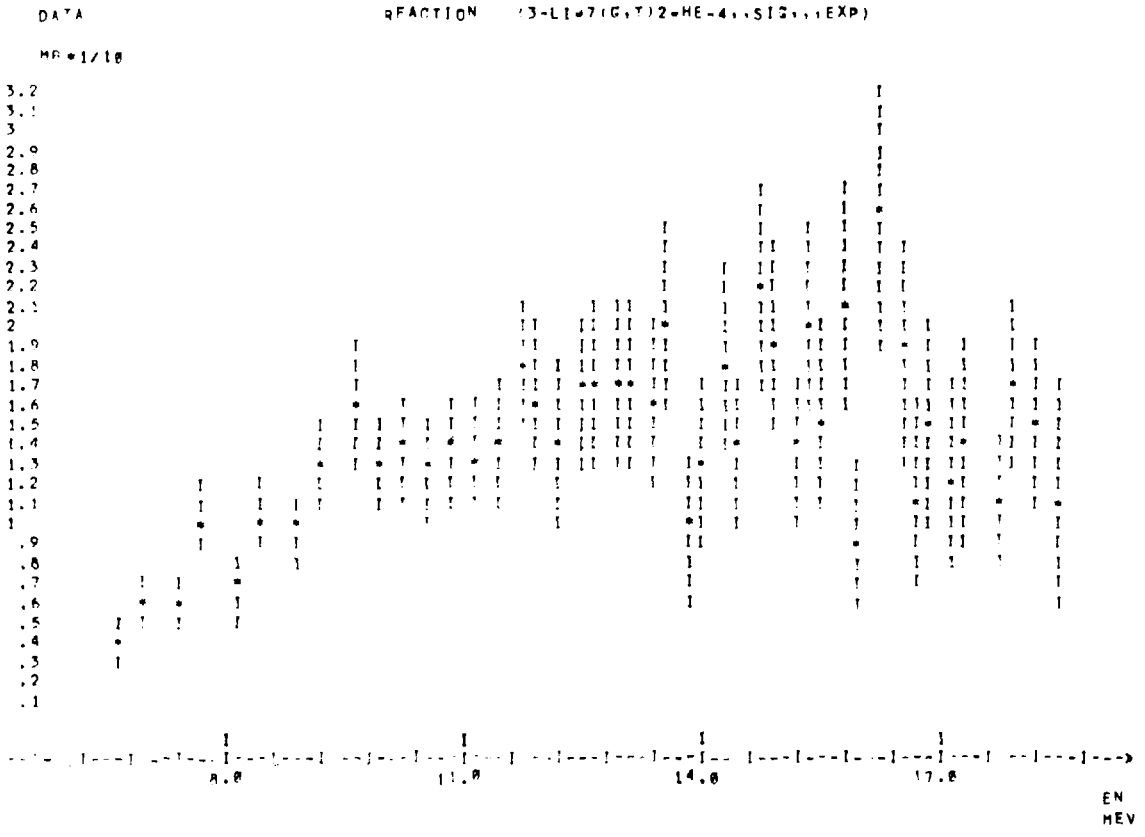
```
*****************************************************************************************
*                 COFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI346   JIYF,22,(5),397,75 V.P.DENISOV                  *ANG              92.     ADEG     *
*        LI246005(3-LI-7(G,D)2-HE-5,PAR,DA,,4PI,EXP)             *E-LVL            0.      MEV      *
*                                                                *E-MIN            3.      MEV      *
*                                                                *E-MAX            14.     MEV      *
*****************************************************************************************
* EN          MEV        *    14.7    *    16.1    *    17.5    *    18.9    *    20.3    *    21.7
* DATA        MB              0.56        0.57        0.43        0.44        0.4         0.27
* DATA-ERR    MB              0.12        0.06        0.05        0.04        0.04        0.04
 *    23.1    *    25.2    *    28.
      0.16        0.27        0.31
      0.03        0.05        0.05
```



CDFE PHOTONUCLEAR DATA SHEETS — COMMON PARAMETERS

LI002 J,PJ,12,173,55 M,MJWA
LI002002/3-LI-7(G,T)2-HE-4,,SIG,,,EXP)

EN MEV		6.58	7.00	7.41	7.77	8.12	8.51
DATA MB		0.038	0.052	0.052	0.098	0.061	0.098
DATA-ERR MB		0.009	0.009	0.011	0.017	0.015	0.016
8.91	9.26	9.53	9.90	10.29	10.60	10.89	11.15
0.093	0.124	0.154	0.124	0.131	0.121	0.134	0.130
0.016	0.020	0.027	0.023	0.025	0.025	0.026	0.027
11.42	11.68	11.93	12.20	12.43	12.69	12.91	13.14
0.135	0.174	0.159	0.138	0.162	0.169	0.161	0.167
0.031	0.033	0.034	0.038	0.038	0.039	0.042	0.048
13.37	13.57	13.79	13.99	14.24	14.50	14.76	14.97
0.151	0.199	0.191	0.125	0.177	0.131	0.211	0.190
0.040	0.042	0.032	0.036	0.044	0.039	0.049	0.049
15.17	15.38	15.56	15.79	15.98	16.26	16.48	16.67
0.131	0.220	0.150	0.288	0.29	0.258	0.191	0.110
0.039	0.047	0.045	0.053	0.038	0.066	0.054	0.042
16.89	17.09	17.28	17.68	17.97	18.24	18.55	
0.146	0.118	0.137	0.103	0.162	0.145	0.109	
0.049	0.044	0.049	0.029	0.039	0.040	0.052	

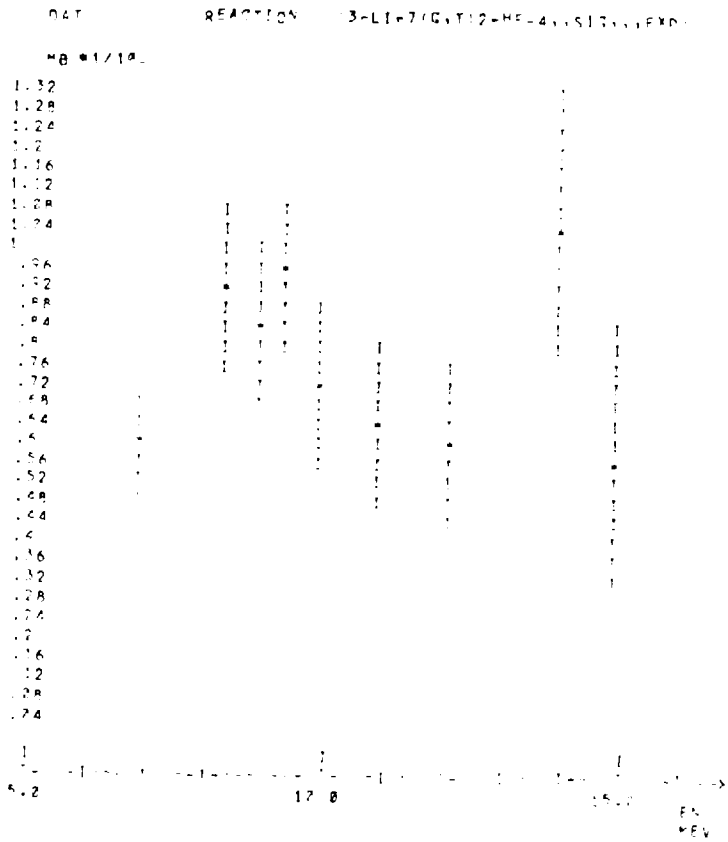


```
*****************************************************************************************
*                 CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI208   J,JPO,15,(61,947,60M,MIWA                       *EN-MAX          15.      MEV     *
*        LI208025(3-LI-7(G,T)2-HE-4,,SIG,,,EXP)                  *                                 *
*                                                                *                                 *
*                                                                *                                 *
*****************                                                *********************************
* EN          MEV        *     7.1    *     8.1    *     8.7    *     9.[illegible]
* DATA        MB               0.099        0.17        0.183        0.[illegible]67
* DATA-ERR    MB               0.019        0.03        0.031        0.[illegible]3
```

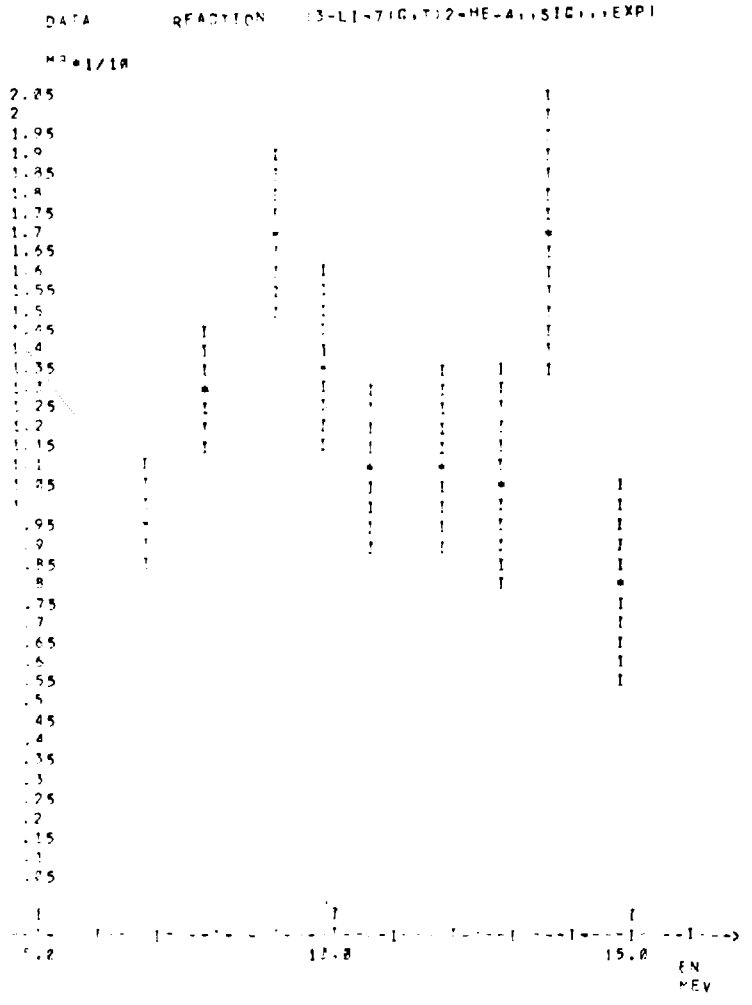
```
*****************************************************************************************
*                 CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI208   J,JPO,15,(61,947,60M,MIWA                       *EN-MAX          15.      MEV     *
*        LI208026(3-LI-7(G,T)2-HE-4,,SIG,,,EXP)                  *                                 *
*                                                                *                                 *
*                                                                *                                 *
*****************                                                *********************************
* EN          MEV        *     6.7    *     8.2    *     8.7    *     9.[illegible]    *     9.7    *    12.[illegible]
* DATA        MB               0.056        0.09        0.081        0.093        0.0[illegible]        0.0[illegible]
* DATA-ERR    MB               0.01         0.015       0.016        0.015        0.0[illegible]        0.0[illegible]
 *    12.2    *    13.8    *    14.7
      0.056        0.124        0.055
      0.016        0.027        0.025
```

DAT REACTION (3-LI-7(G,T)2-HE-4,,SIG,,,EXP)

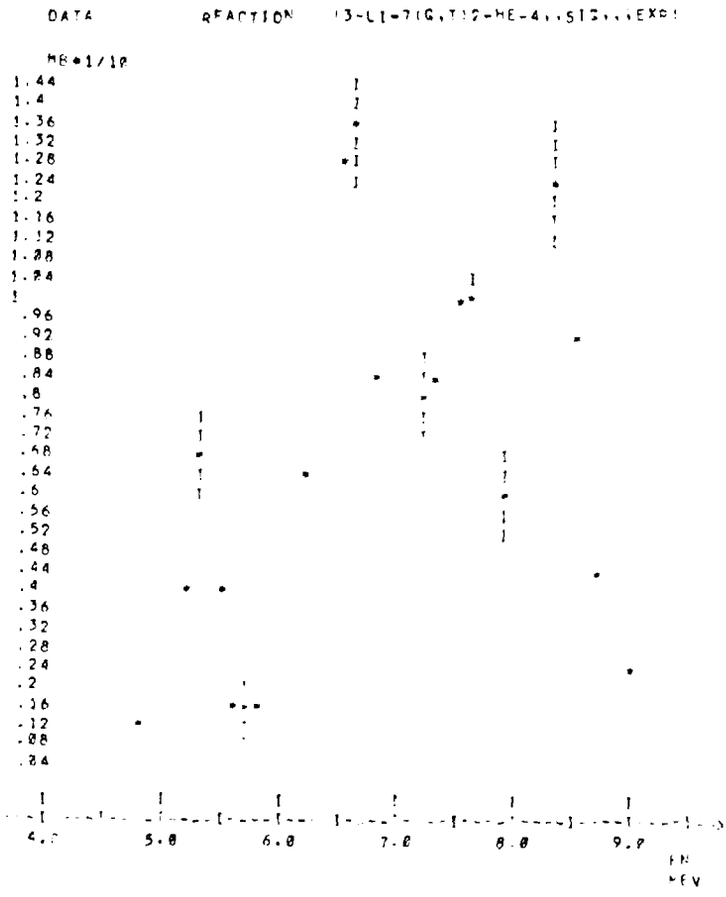
MB *1/10



```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI008   J.JPJ,15,(6),947,60M,MIWA                      *EN-MAX          18.     MEV      *
*        LI008007(3-LI-7(G,T)2-HE-4,,SIG,,,EXP)                 *                                 *
*                                                               *                                 *
*                                                               *                                 *
*****************************************************************************************
* EN          MEV        *     6.8    *     7.8    *     8.9    *     9.8    *    10.6    *    11.8
* DATA        MB               0.095        0.127        0.169        0.135        0.127        0.109
* DATA-ERR    MB               0.012        0.014        0.02         0.021        0.021        0.023
 *    12.8    *    13.6    *    14.8
      0.105        0.168        0.079
      0.026        0.033        0.026
```

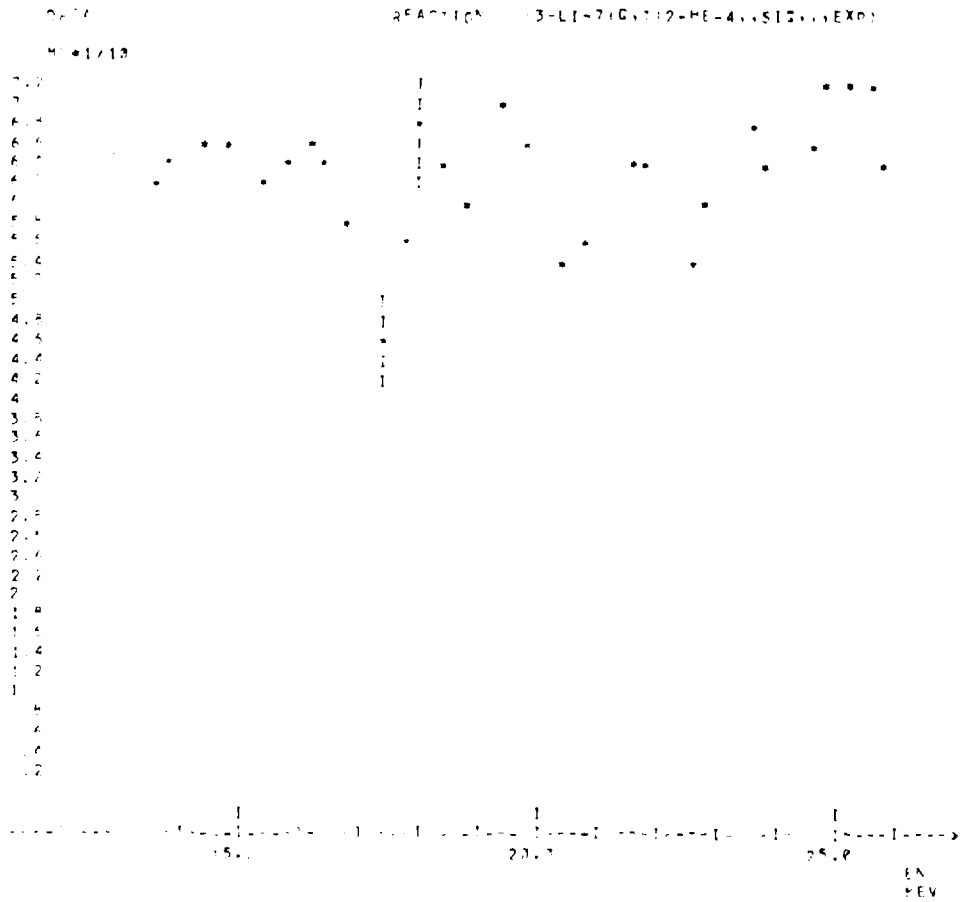


COFE PHOTONUCLEAR DATA SHEETS					COMMON PARAMETERS			
LI009 J,I ZV,25,(10),1269,61 V.G.SHEVCHENKO					=EN-MAX 9.5 MEV			
LI009003(3-LI-7(G,T)2-HE-4,,SIG,,,EXP)								
EN MEV		4.8	5.2	5.26	5.45	5.55	5.65
DATA MB		0.089	0.84	0.267	0.939	2.014	0.013
DATA-ERR MB				0.088			0.006
5.75	6.2	6.5	6.56	6.62	6.82	7.19	7.3
0.014	0.06	0.128	0.133 0.01	2.128	0.28	0.078 0.029	0.08
7.47	7.51	7.55	7.88	8.26	8.48	8.69	8.95
0.1	0.103 0.011	0.1	0.058 0.089	2.121 0.012	0.289	0.043	0.021



COFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI014 J,ZET,44,(4),1153,6L.A.KULCHITSKY	
LI014007(3-LI-7(G,T)2-HE-4,,SIG,,,EXP)	

EN	MEV	13.5	13.8	14.1	14.4	14.7	15.1	
DATA	MB	0.579	0.631	0.671	0.647	0.6[illegible]	0.613	
DATA-ERR	MB							
15.4	15.8	16.2	16.4	16.7	17.1	17.4	17.8	
0.603	0.626	0.643	0.636	0.579	0.481	0.454	0.542	
						0.4		
18.0	18.4	18.8	19.1	19.4	19.8	20.1	20.4	
0.669	0.628	0.594	0.615	0.581	0.646	0.5[illegible]	0.525	
0.5								
20.8	21.1	21.5	21.7	22.1	22.5	22.8	23.1	
0.542	0.567	0.629	0.623	0.538	0.538	0.5[illegible]	0.643	
23.5	23.8	24.1	24.5	24.8	25.[illegible]	25.5	25.8	
0.67[illegible]	0.639	0.503	0.611	0.702	0.714	0.7[illegible]	0.628	



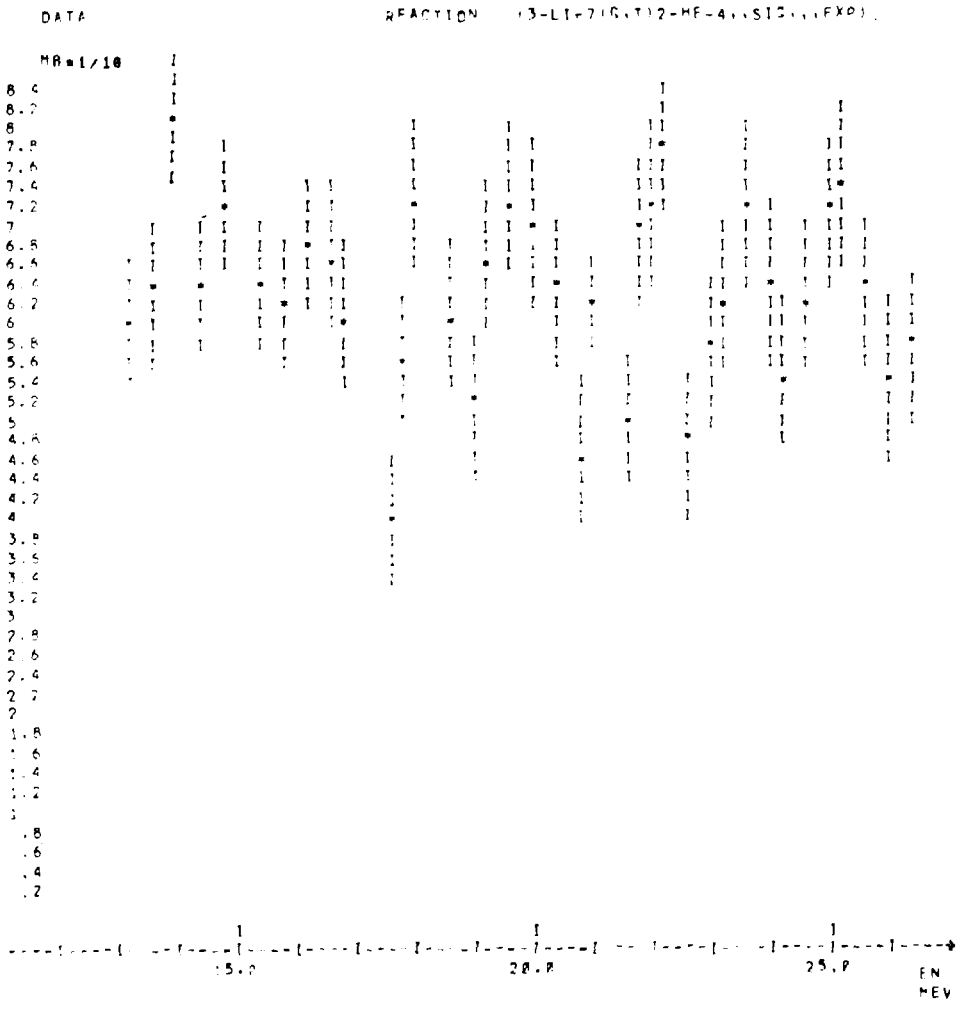
CDFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

L1215 J,JZV,27,(11),1412,60 L.A.KULCHITSKY

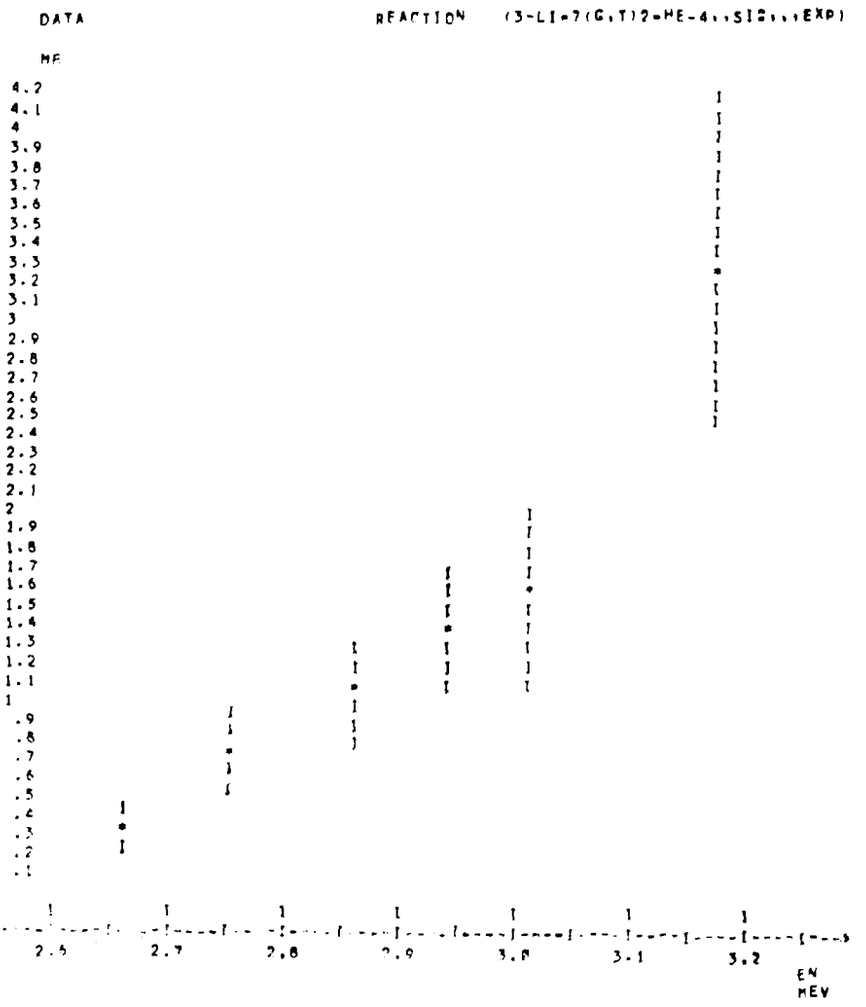
L1215024(3-LI-7(G,T)2-HE-4,,SIG,,EXP)

EN	MEV		13.2	13.6	14.1	14.4	14.7	15.1
DATA	MB		0.588	0.695	0.812	0.426	0.715	0.585
DATA-ERR	MB		0.062	0.071	0.063	0.059	0.06	0.054
15.4	15.8	16.2	16.5	16.9	17.1	17.5	17.8
0.63	0.61	0.568	0.656	0.599	0.493	0.357	0.544
0.069	0.065	0.066	0.064	0.066	0.06	0.057	0.059
18.	18.6	18.7	19.2	19.5	20.	20.4	20.7
0.716	0.592	0.582	0.659	0.718	0.689	0.636	0.456
0.064	0.07	0.067	0.066	0.065	0.077	0.067	0.071
21.	21.5	21.8	22.	22.3	22.5	22.9	23.2
0.609	0.494	0.583	0.705	0.771	0.66	0.561	0.615
0.233	0.064	0.074	0.075	0.067	0.062	0.069	0.073
23.5	23.9	24.2	24.6	24.9	25.3	25.6	25.9
0.71	0.631	0.534	0.616	0.702	0.728	0.651	0.559
0.071	0.072	0.071	0.066	0.072	0.072	0.071	0.073
26.4							
0.563							
0.076							



```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI022    J,PL,8,48,64        C.R.BISHOP                *                                 *
*        LI022002(3-LI-7(G,T)2-HE-4,,SIG,,,EXP)                 *                                 *
*                                                               *                                 *
*                                                               *                                 *
*****************                                               *****************************
* EN          MEV      *     2.66  *     2.75  *     2.86  *     2.94  *     3.01  *     3.17
* DATA        MB             0.33        0.75        1.001       1.31        1.5         3.29
* DATA-ERR    MB             0.12        0.18        0.229       0.3         0.42        0.85
```

DATA REACTION (3-LI-7(G,T)2-HE-4,,SIG,,,EXP)




```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI023    J,AUJ,18,389,65     P.J.DALLIMORE             *ANG              15.      ADEG    *
*        LI023003(3-LI-7(G,T)2-HE-4,,SIG,,AV,EXP)               *                                 *
*                                                               *                                 *
*                                                               *                                 *
*****************                                               *****************************
* EN-MIN      MEV      *     2.83
* EN-MAX      MEV            4.1
* DATA        MICRO-B        0.155
* DATA-ERR    MICRO-B        0.020
```

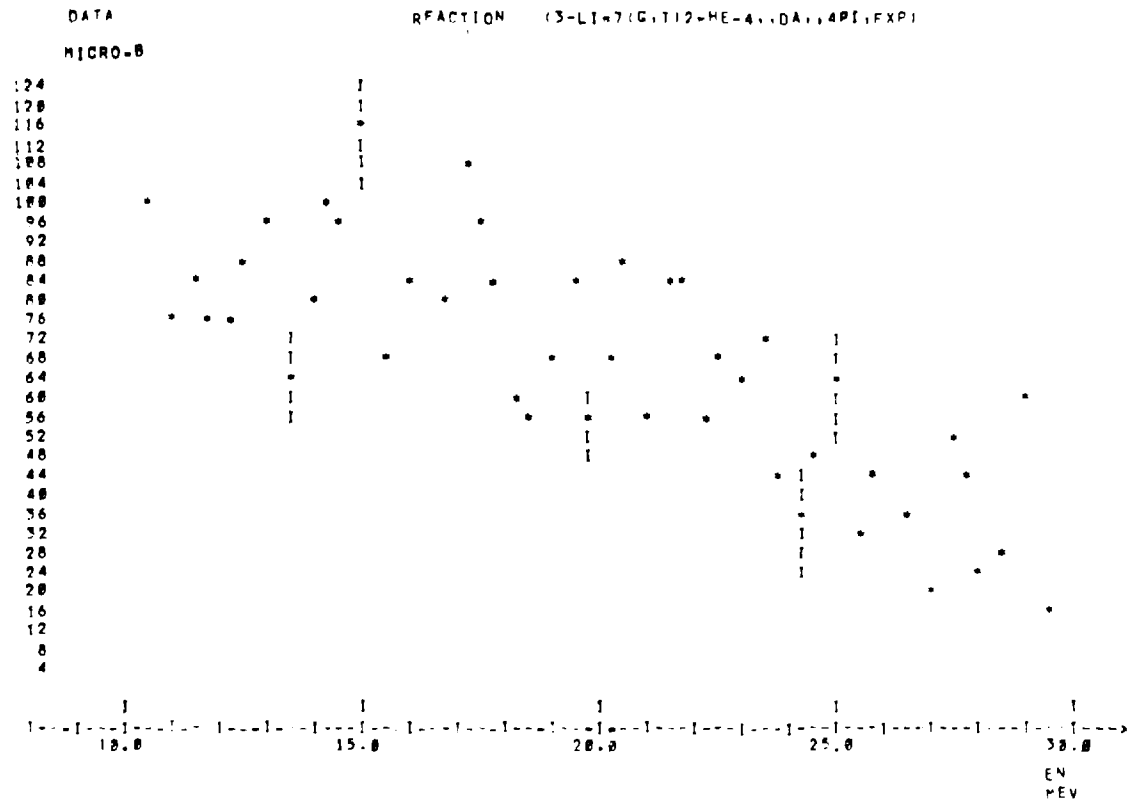
CDFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

LI829 J,NC/B,42,(2),348,66 C.E.MANUZIO
LI829005(3-LI-7(G,T)2-HE-4,,DA,,4PI,EXP)

ANG 90. ADEG

EN	MEV					
DATA	MICRO-B	10.6	11.	11.4	11.8	12.2	12.6
DATA-ERR	MICRO-B	99.	75.8	82.6	75.6	75.6	85.9
13.	13.4	13.9	14.3	14.6	15.1	15.4	15.9
93.5	68.8 8.5	79.5	97.8	94.9	112.2 9.5	65.7	82.4
16.1	16.7	17.3	17.5	17.8	18.2	18.6	19.
103.1	78.2	104.1	92.8	80.2	56.4	53.5	64.7
19.6	19.8	20.2	20.6	21.	21.4	21.8	22.2
82.7	52.1 7.4	65.3	84.4	54.6	80.5	80.7	53.8
22.6	23.	23.4	23.8	24.2	24.6	25.	25.4
65.4	62.2	71.5	44.	32.4 8.4	47.5	60.9 9.	31.8
25.8	26.6	27.	27.5	27.8	28.	28.6	29.
43.6	32.4	16.3	51.5	40.6	23.8	26.2	58.4
29.4							
14.3							

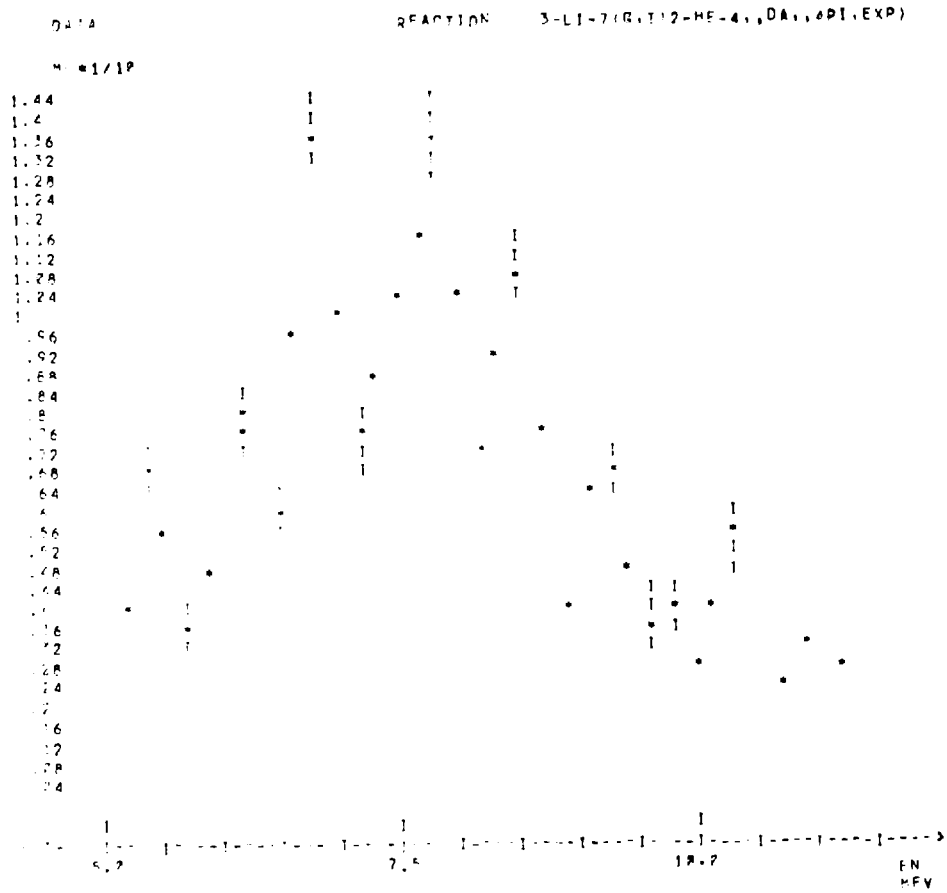


CDFE PHOTONUCLEAR DATA SHEETS	COMMON PARAMETERS
LI037 J,IZV,23,(4),721,69,YU.I.SOROKIN	ANG 90. ADEG
LI037005(3-LI-7(G,T)2-HE-4,,DA,,4PI,EXP)	

EN	MEV	5.2	5.4	5.5	5.7	5.9	6.2
DATA	MB	0.04	0.065	0.052	0.033	0.045	0.076
DATA-ERR	MB		0.004		0.204		0.005
6.5	6.6	6.8	7.	7.17	7.33	7.5	7.69
0.259	0.095	0.135	0.099	0.073	0.087	0.102	0.115
0.004		0.006		0.005			
7.84	8.02	8.17	8.34	8.5	8.68	8.87	9.06
0.135	0.102	0.071	0.092	0.108	0.073	0.038	0.062
0.007				0.006			
9.25	9.44	9.61	9.78	9.97	10.14	10.32	10.5
0.065	0.045	0.035	0.038	0.025	0.038	0.052	0.016
0.005		0.005	0.005			0.006	
10.68	10.85	11.2					
0.021	0.029	0.025					

DATA REACTION 3-LI-7(G,T)2-HE-4,,DA,,4PI,EXP)

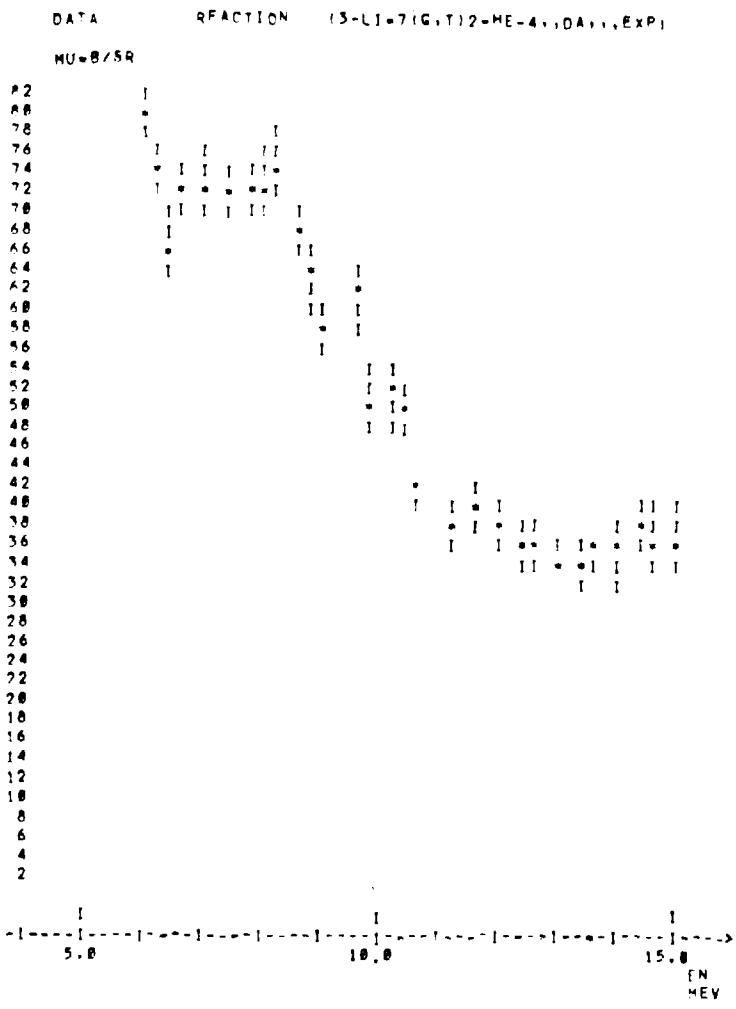
M =1/10



```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                      *      COMMON PARAMETERS      *
*****************************************************************************************
*        LI049   J,CJP,55,252,77     M.K.LEUNG                       *EN              23.8    MEV      *
*        LI049002(3-LI-7(G,T)2-HE-4,,DA,,,EXP)                       *ANG             90.     ADEG     *
*                                                                    *ERR-T           10.     PER-CENT *
*                                                                    *                                *
*****************************************************************************************
* EN          MEV          *     5.9    *     6.1    *     6.3    *     6.5    *     6.9    *     7.
* DATA        MU-B/SR          78.4         73.7         66.          71.          72.          70.4
* DATA-ERR    MU-B/SR           2.1          1.8          2.7          2.           2.5          2.1
*     7.3    *     7.7    *     7.9    *     8.2    *     8.5    *     8.8    *     9.     *     9.5
     70.5         70.7         71.5         73.9         67.          62.3         56.9         50.1
      1.7          1.5          2.5          2.4          2.2          2.9          2.5          3.
*     9.8    *    10.1    *    10.4    *    10.6    *    11.1    *    11.5    *    11.6    *    12.
     49.1         50.8         48.5         40.1         37.1         38.6         34.          37.3
      3.           2.8          2.           1.6          1.5          2.           1.7          2.1
*    12.4    *    12.6    *    13.     *    13.4    *    13.5    *    14.     *    14.4    *    14.6
     35.1         34.6         34.          33.6         34.4         34.5         36.5         35.7
      1.5          1.7          1.2          1.8          1.5          2.5          2.           2.5
*    15.
     36.
      3.1
```

DATA REACTION (3-LI-7(G,T)2-HE-4,,DA,,,EXP)

MU-B/SR



CODE PHOTONUCLEAR DATA SHEETS

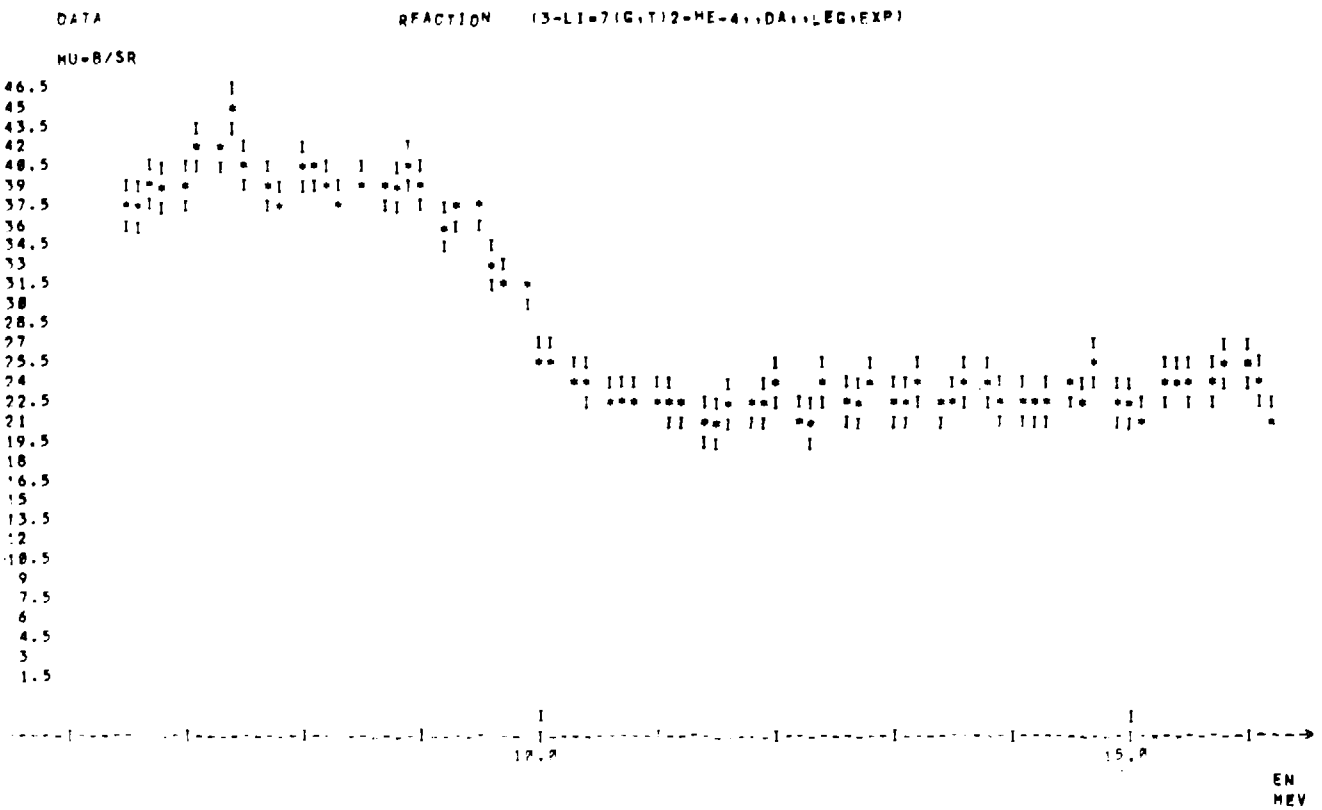
LI052 J.ZP/A,291,353,79 G.JANCHANS
LI052024(3-LI-7(G,T)2-HE-4,,DA,,LEG,EXP)

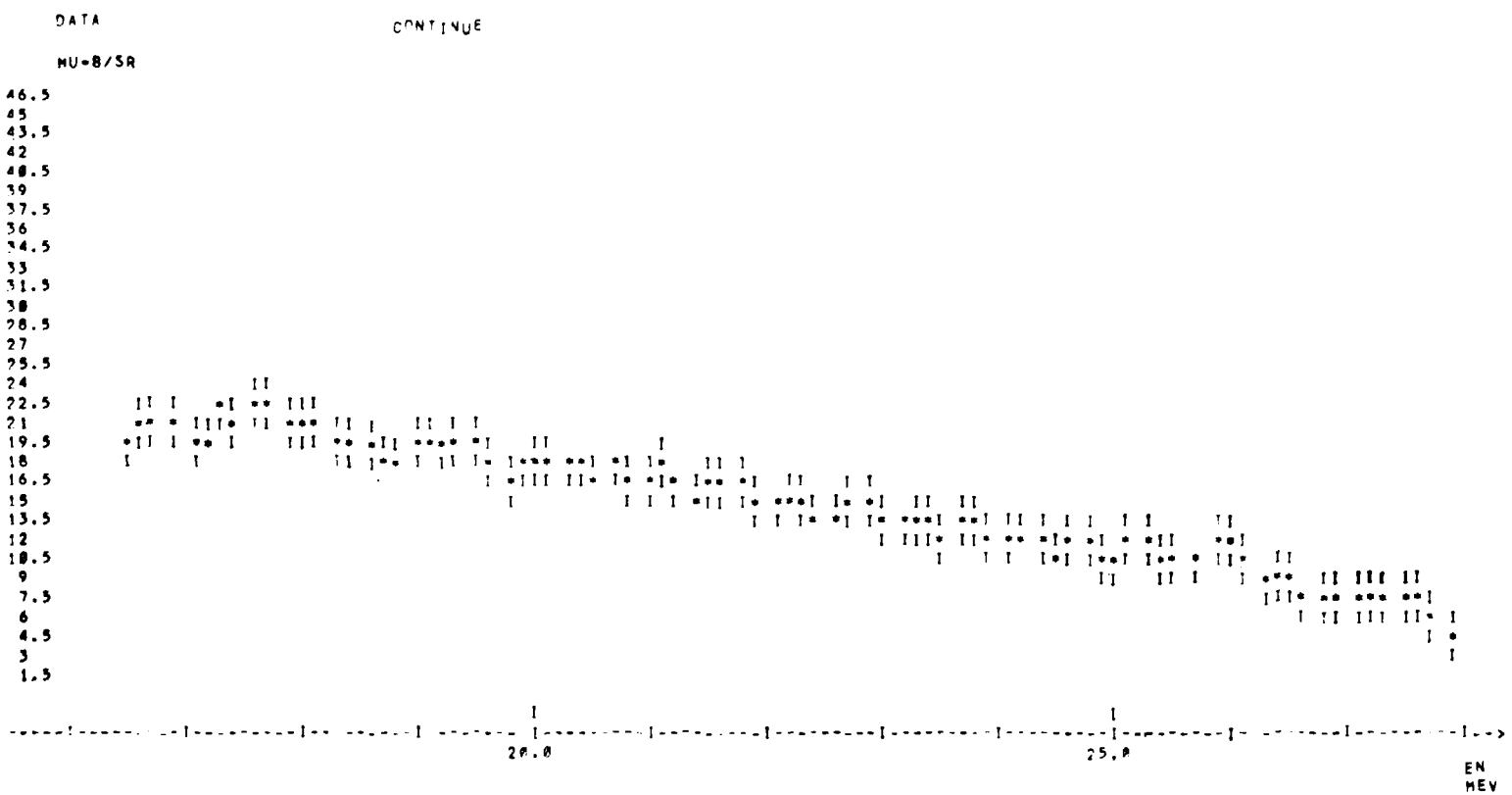
COMMON PARAMETERS

ANG	90.	ADEG
EN-MAX	28.	MEV

EN	MEV		6.5	6.6	6.7	6.8	7.	7.1
DATA	MU-B/SR		36.6	36.7	38.2	38.2	38.	40.8
DATA-ERR	MU-B/SR		1.3	1.2	1.3	1.3	1.3	1.4

7.3	7.4	7.5	7.7	7.8	8.	8.1	8.2
40.8	44.	40.4	38.2	37.3	39.2	39.2	39.
1.2	1.4	1.4	1.2	1.2	1.4	1.2	1.1
8.3	8.5	8.7	8.8	8.9	9.	9.2	9.3
37.4	38.9	37.8	38.6	40.1	38.2	35.8	36.2
1.1	1.2	1.2	1.3	1.5	1.7	1.3	1.3
9.5	9.6	9.7	9.9	10.	10.1	10.3	10.4
36.2	31.9	31.4	30.3	25.5	25.3	24.	23.6
1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.2
10.6	10.7	10.8	11.	11.1	11.2	11.4	11.5
22.5	22.5	22.2	22.2	21.9	21.1	20.1	20.5
1.1	1.2	1.1	1.1	1.2	1.1	1.1	1.
11.6	11.8	11.9	12.	12.2	12.3	12.4	12.6
21.9	21.3	21.3	23.2	20.9	20.2	23.4	22.3
1.1	1.1	1.3	1.4	1.2	1.1	1.3	1.3
12.7	12.8	13.	13.1	13.2	13.4	13.5	13.6
22.	23.9	22.3	22.1	23.3	21.2	22.4	23.6
1.4	1.3	1.3	1.2	1.2	1.2	1.3	1.1
13.8	13.9	14.1	14.2	14.3	14.5	14.6	14.7
23.2	21.5	22.2	21.2	21.5	22.6	22.4	24.3
1.5	1.2	1.3	1.1	1.2	1.3	1.3	1.3
14.9	15.	15.1	15.3	15.4	15.5	15.7	15.8
22.	21.3	21.	23.3	24.	22.9	23.2	24.6
1.2	1.3	1.4	1.4	1.1	1.2	1.5	1.5
16.	16.1	16.2	16.4	16.5	16.6	16.7	16.9
24.2	22.9	20.9	18.1	18.3	20.5	19.9	20.
1.5	1.5	1.3	1.2	1.2	1.2	1.3	1.1
17.1	17.2	17.3	17.4	17.5	17.7	17.9	18.
18.9	19.4	21.1	21.	21.2	21.9	20.9	19.7
1.4	1.3	1.3	1.5	1.5	1.5	1.5	1.5
18.1	18.3	18.4	18.6	18.7	18.8	19.	19.1
19.7	18.5	18.4	19.4	16.	18.	19.2	19.5
1.4	1.3	1.5	1.4	1.4	1.3	1.4	1.3
19.2	19.3	19.5	19.6	19.8	19.9	20.	20.1
18.1	18.2	18.5	17.2	16.1	16.6	17.4	17.4
1.4	1.4	1.4	1.5	1.2	1.3	1.4	1.2
20.3	20.4	20.5	20.7	20.8	21.	21.1	21.2
16.6	16.7	16.5	16.6	15.6	15.5	17.	15.2
1.4	1.3	1.3	1.4	1.4	1.4	1.4	1.2
21.4	21.5	21.6	21.8	21.9	22.1	22.2	22.3
14.9	15.7	15.4	15.5	14.7	13.8	15.	14.
1.3	1.5	1.2	1.5	1.3	1.1	1.2	1.4
22.4	22.6	22.7	22.9	23.	23.2	23.3	23.4
13.3	13.4	13.7	13.8	13.2	12.3	12.8	13.2
1.2	1.2	1.5	1.4	1.5	1.1	1.3	1.2
23.5	23.7	23.8	23.9	24.1	24.2	24.4	24.5
11.7	12.8	13.4	11.8	11.4	12.	10.9	10.4
1.3	1.3	1.6	1.3	1.4	1.4	1.5	1.2
24.6	24.8	24.9	25.	25.1	25.3	25.4	25.5
11.4	11.4	10.	9.2	10.8	11.3	10.1	9.4
1.3	1.5	1.4	1.2	1.3	1.4	1.2	1.4
25.7	25.9	26.	26.1	26.3	26.4	26.5	26.6
9.2	10.8	10.9	9.8	7.6	8.5	8.3	6.2
1.3	1.5	1.3	1.4	1.3	1.4	1.3	1.2
26.8	26.9	27.1	27.2	27.3	27.5	27.6	27.7
6.2	6.9	7.	6.4	6.2	6.6	6.3	5.8
1.4	1.4	1.3	1.3	1.5	1.9	1.6	1.6
27.9							
4.3							
2.							


DATA
REACTION (3-LI-7(G,T)2-HE-4,,DA,,LEG,EXP)
MU-B/SR
46.5
45
43.5
42
40.5
39
37.5
36
34.5
33
31.5
30
28.5
27
25.5
24
22.5
21
19.5
18
16.5
15
13.5
12
10.5
9
7.5
6
4.5
3
1.5
12.0
15.0
EN
MEV


DATA
CONTINUE
MU=B/SR
46.5
45
43.5
42
40.5
39
37.5
36
34.5
33
31.5
30
28.5
27
25.5
24
22.5
21
19.5
18
16.5
15
13.5
12
10.5
9
7.5
6
4.5
3
1.5
20.0
25.0
EN
MEV

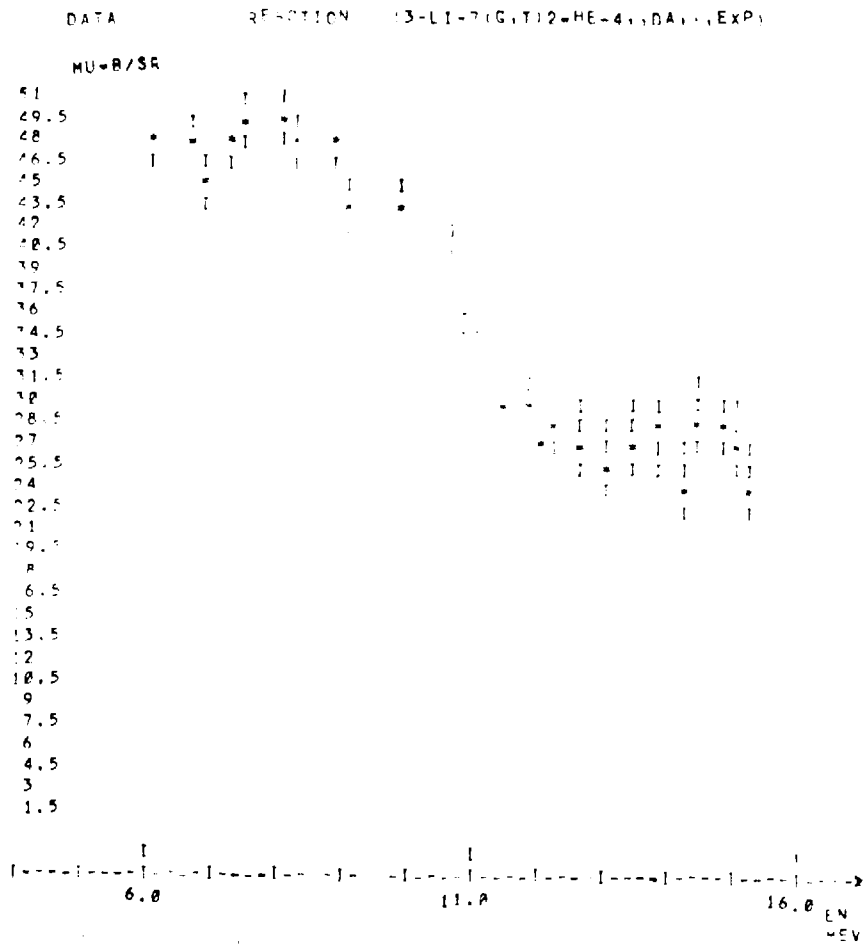
COFE PHOTONUCLEAR DATA SHEETS

COMMON PARAMETERS

LI054 J,PR/C,20,(6),2025,79, D.M.SKOPIK
LI054002(3-LI-7(G,T)2-HE-4,,DA,,,EXP)

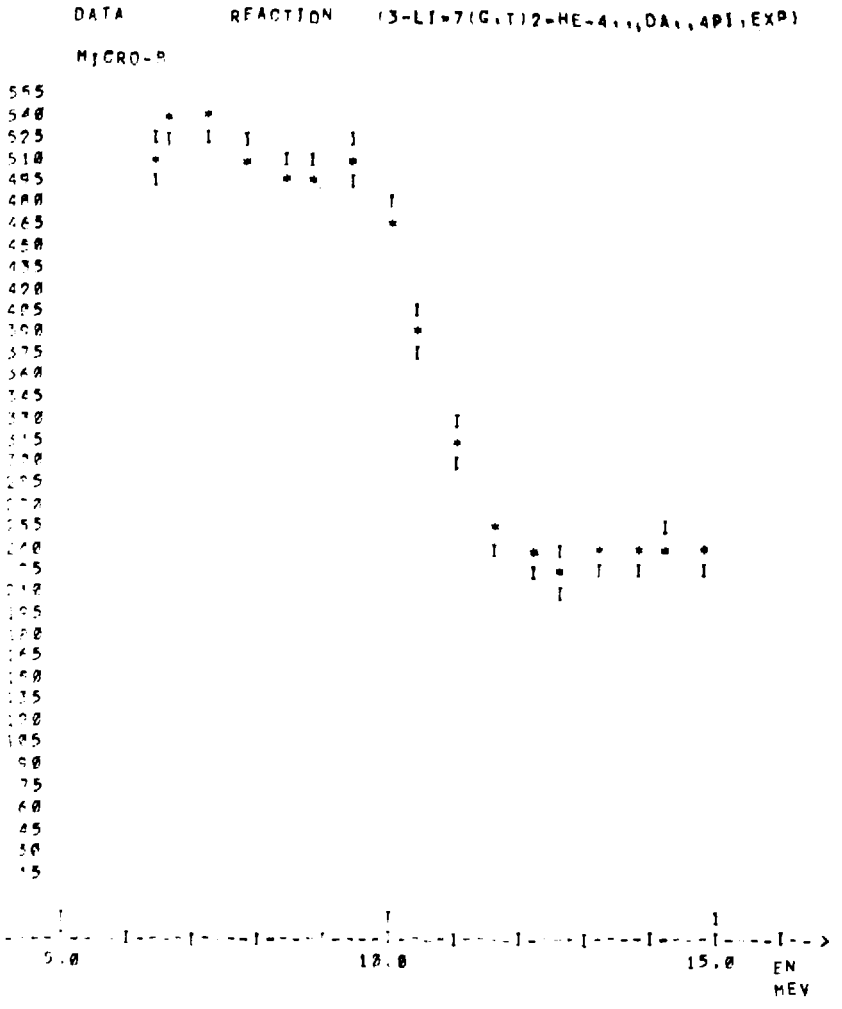
ANG 90. ADEG

EN	MEV	6.1	6.6	6.8	7.3	7.4	8.
DATA	MU-B/SR	46.6	47.8	44.1	47.	48.8	48.9
DATA-ERR	MU-B/SR	1.	1.	1.	1.	1.	1.
8.3	8.7	9.	9.1	9.7	10.5	10.7	11.
47.4	46.8	43.	43.6	43.2	40.7	35.4	37.8
1.	1.	1.	1.	1.	1.	1.	1.
11.4	11.8	11.9	12.2	12.6	12.9	13.3	13.8
29.4	29.9	25.9	27.4	27.	25.1	26.8	27.1
1.	1.	1.	1.	2.	2.	2.	2.
14.1	14.4	14.8	15.	15.1			
23.9	28.5	27.8	27.	23.8			
2.	2	2.	2.	2.			



CDFE PHOTONUCLEAR DATA SHEETS					COMMON PARAMETERS		
LI054 J,PR/C,28,(6),2025,79, D.M.SKOPIK					ANG	90,	ADEG
LI054004(3-LI-7(G,T)2-HE-4,,DA,,4PI,EXP)							

EN	MEV	6.4	6.68	7.22	7.76	8.3	8.84
DATA	MICRO-B	500.	527.	529.	510.	493.	493.
DATA-ERR	MICRO-B	11.	11.	11.	10.	10.	11.
9.38	9.92	10.46	11.02	11.56	12.1	12.64	13.18
587.	462.	379.	307.	246.	226.	219.	230.
13.	8.	12.	11.	9.	11.	9.	9.
13.72	14.26	14.8					
229.	235.	228.					
9.	9.	9.					



COFE PHOTONUCLEAR DATA SHEETS

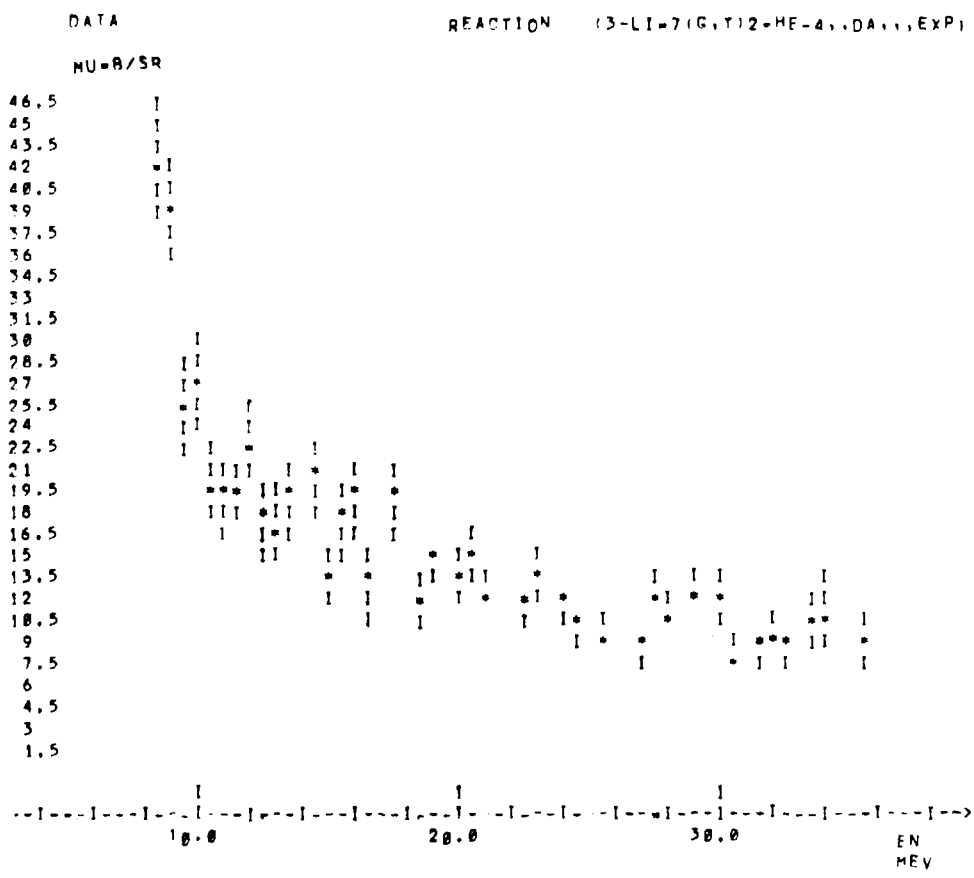
COMMON PARAMETERS

LI056 J,YF,35,11,82 V,P,DENISOV

LI056002(3-LI-7(G,T)2-HE-4,,DA,,,EXP)

ANG 90. ADEG

EN	MEV	8.4	8.8	9.2	9.6	10.1	10.5
DATA	MU-B/SR	41.8	38.7	32.4	25.1	26.3	19.1
DATA-ERR	MU-B/SR	3.6	3.	2.8	2.6	2.3	2.1
11.	11.6	12.1	12.6	13.2	13.7	14.4	14.9
18.1	18.9	22.3	16.7	16.5	18.7	20.	12.4
2.	2.	2.6	2.2	2.2	2.2	2.1	1.8
15.5	16.1	16.6	17.3	17.6	18.4	19.1	9.8
17.2	18.3	12.4	18.2	12.4	11.5	13.7	12.9
2.3	2.4	1.9	2.5	1.	1.1	1.	1.
20.5	21.2	22.6	23.2	23.2	24.	24.7	25.4
14.2	11.9	10.6	12.9	12.9	11.	9.1	8.7
1.	1.2	0.8	1.1	1.1	1.	0.8	1.
26.8	27.5	28.2	28.9	29.9	30.6	31.3	32.1
7.8	11.7	10.5	11.9	11.3	7.6	7.6	8.6
0.4	1.	1.1	1.	1.1	0.4	1.	2.9
32.7	33.4	34.1	35.6				
7.9	9.5	10.2	8.3				
1.1	1.2	1.9	1.2				



```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI051    J,YF,27,868,78      YU.M.VOLKOV                *ANG              90.     ADEG     *
*        LI051011(3-LI-7(G,T+P)1-H-3,,DA,,,EXP)                  *E1-MIN           0.      MEV      *
*                                                                *E2-MIN           0.      MEV      *
*                                                                *                                  *
*****************                                                *****************************
* EN          MEV          *     43.
* EN-ERR      MEV                10.
* DATA        MU-B/SR             7.1
* DATA-ERR    MU-B/SR             1.3
```

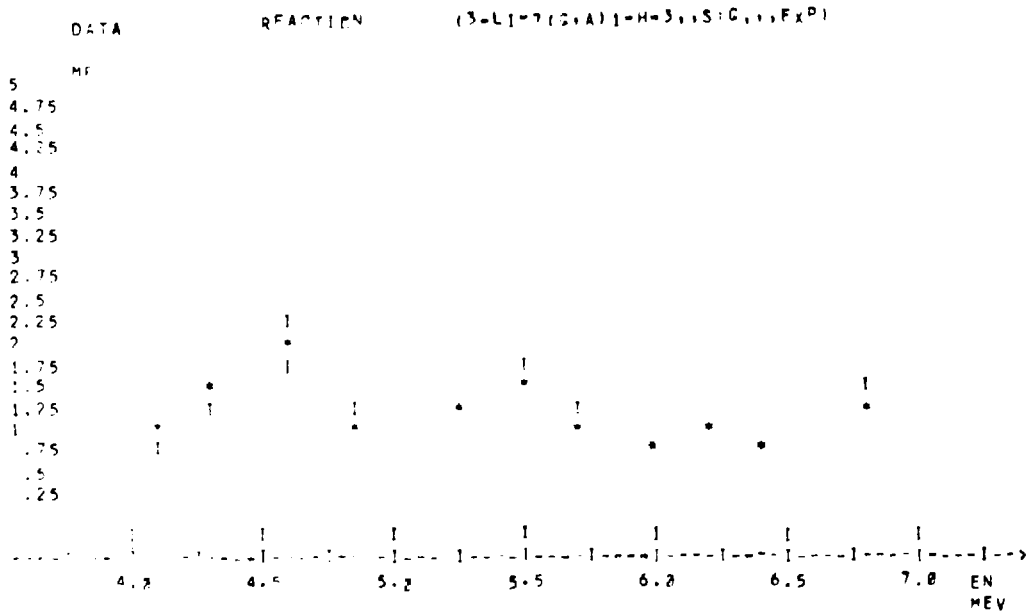
```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI051    J,YF,27,868,78      YU.M.VOLKOV                *ANG              90.     ADEG     *
*        LI051012(3-LI-7(G,T+P)1-H-3,,DA,,,EXP)                  *E1-MIN           3.      MEV      *
*                                                                *E2-MIN           4.      MEV      *
*                                                                *                                  *
*****************                                                *****************************
* EN          MEV          *     43.
* EN-ERR      MEV                10.
* DATA        MU-B/SR             3.4
* DATA-ERR    MU-B/SR             2.7
```

```
*****************************************************************************************
*                CDFE PHOTONUCLEAR DATA SHEETS                  *        COMMON PARAMETERS        *
*****************************************************************************************
*        LI022    J,PL,3,48,64        G.R.BISHOP                 *                                  *
*        LI022003(3-LI-7(G,A)1-H-3,,SIG,,,EXP)                   *                                  *
*                                                                *                                  *
*                                                                *                                  *
*****************                                                *****************************
* EN          MEV          *     4.[illegible]   *     4.3    *     4.51   *     [illegible]   *     5.27   *     5.47
* DATA        MB                 [illegible]        1.28          1.8          [illegible]        1.1          1.48
* DATA-ERR    MB                 [illegible]        0.19          [illegible]205       [illegible]                 0.2[illegible]
 *     5.7    *     6.     *     6.2    *     6.41   *     6.79
       0.89        9.65          [illegible]        0.64          [illegible]
       0.11[illegible]                                            [illegible]13
```

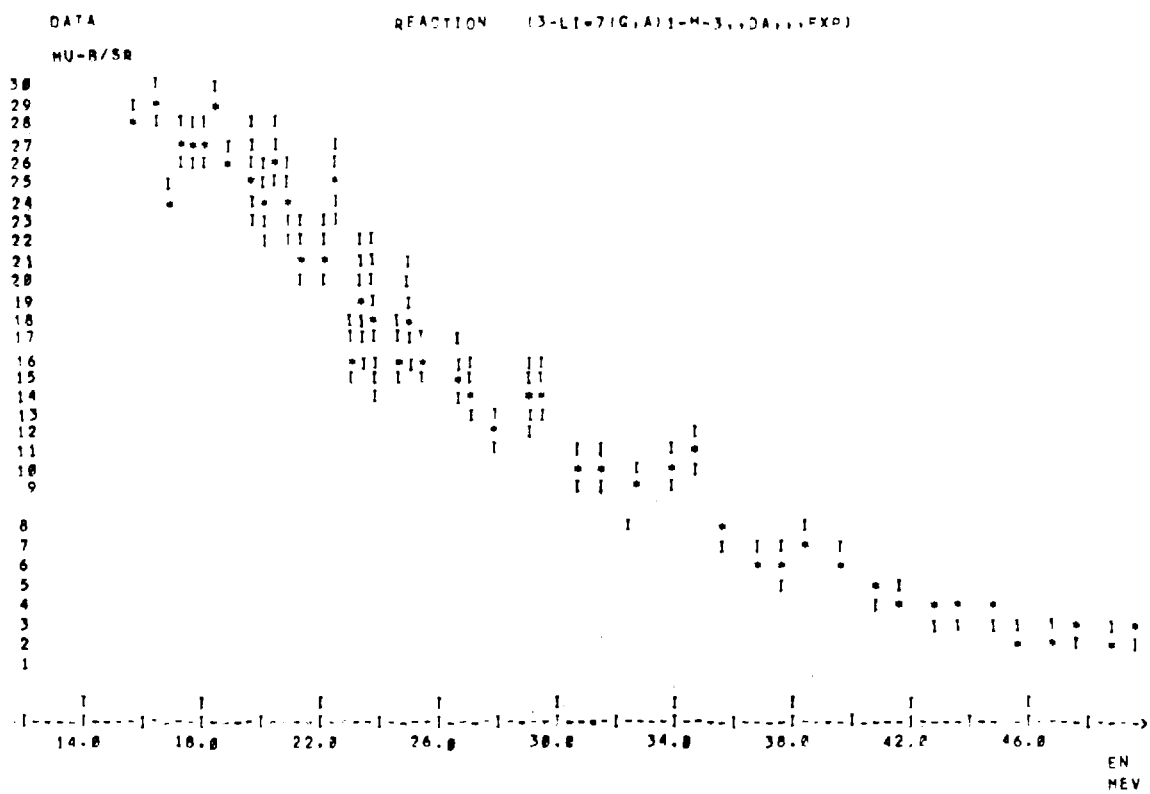
```
                DATA          REACTION        (3-LI-7(G,A)1-H-3,,SIG,,,EXP)

                MB
5
4.75
4.5
4.25
4
3.75
3.5
3.25
3
2.75
2.5
2.25
2
1.75
1.5
1.25
1
.75
.5
.25
```

```
                 I         I         I         I         I         I         I
-----------------I---------I---------I---------I---------I---------I---------I-->
                4.0       4.5       5.0       5.5       6.0       6.5       7.0   EN
                                                                                 MEV
```



COFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI054 J,PR/C,28,(6),,2025,79, D.M.SKOPIK						*ANG	90.	ADEG
LI054003(3-LI-7(G,A)1-H-3,,DA,,,EXP)								
EN MEV		15.9	16.3	16.6	17.	17.4	17.8	
DATA MU-B/SR		28.	28.1	24.	26.6	26.8	26.5	
DATA-ERR MU-B/SR		0.9	1.	0.9	0.9	1.	0.8	
18.2	18.6	19.5	19.8	20.3	20.8	21.4	22.	
29.	26.	24.9	23.9	25.9	23.8	21.	20.9	
0.7	0.8	2.8	1.9	1.8	1.8	1.7	1.8	
22.4	22.8	23.2	23.8	24.3	24.9	25.3	26.3	
24.2	15.9	18.8	17.7	16.	18.	15.8	14.8	
2.1	1.8	2.9	3.8	1.3	2.1	1.2	1.4	
26.8	27.7	28.8	29.4	30.5	31.4	32.3	33.4	
14.	11.9	13.6	13.9	9.4	9.3	8.3	9.4	
1.1	1.	1.5	1.8	1.	1.	0.8	1.2	
34.4	35.5	36.6	37.5	38.5	39.5	40.6	41.5	
10.5	7.2	6.	5.6	6.9	6.	4.1	3.6	
1.2	0.7	0.8	0.9	2.5	0.5	0.5	0.5	
42.6	43.5	44.6	45.7	46.7	47.7	48.7	49.7	
3.2	3.2	3.1	1.9	1.6	2.3	2.	2.1	
0.4	0.4	0.4	0.5	0.5	0.3	0.3	2.3	



CDFE PHOTONUCLEAR DATA SHEETS						COMMON PARAMETERS		
LI842 J,γF,18,(2),245,73 E.A.KOTIKOV						*EN-MAX	27.	MEV
LI842002(3-LI-7(G,P+T)1-H-3,,SIG,,,EXP)								
EN	MEV	23.5	24.5	25.5	26.5			
DATA	MB	0.1	0.17	0.25	0.18			
DATA-ERR	MB	0.07	0.14	0.22	0.23			

CDFE PHOTONUCLEAR DATA SHEETS			COMMON PARAMETERS		
LI851 J,γF,27,868,78 YU.M.VOLKOV			*ANG	90.	ADEG
LI851009(3-LI-7(G,T+P+N)1-H-2,,DA,,,EXP)			*E1-MIN	3.	MEV
			*E2-MIN	4.	MEV
EN	MEV	49.			
EN-ERR	MEV	4.			
DATA	MU-B/SR	3.9			
DATA-ERR	MU-B/SR	0.7			

CDFE PHOTONUCLEAR DATA SHEETS			COMMON PARAMETERS		
LI851 J,γF,27,868,78 YU.M.VOLKOV			*ANG	90.	ADEG
LI851010(3-LI-7(G,T+P+N)1-H-2,,DA,,,EXP)			*E1-MIN	0.	MEV
			*E2-MIN	0.	MEV
EN	MEV	49.			
EN-ERR	MEV	10.			
DATA	MU-B/SR	44.5			
DATA-ERR	MU-B/SR	6.5			

III. БИБЛИОГРАФИЯ

Библиографические сведения о работах, вошедших в выпуск, приводятся в соответствии с годом публикации (с 1955 по 1982 год).

Номер работы NNN в библиографии соответствует ее номеру LINNN на магнитной ленте TRANS LI01 и в таблицах раздела II.

Сведения о печатных изданиях (в отличие от таблиц, где даются короткие коды формата EXFOR) приводятся в общепринятых обозначениях.

III. BIBLIOGRAPHY

The bibliographic information about the work of issue is given according to the year of their publication (from 1955 to 1982).

The number of a work NNN corresponds to its number LINNN on the magnetic tape TRANS LI01 and to that indicated in tables of Section II.

Information about the publication source is given in conventional symbols (in contrast to tables, where the short EXFOR codes are used).

001 F.HEINRICH,R.RUBIN
DIE ANREGUNGSFUNKTION DER REAKTION LI(G,N).
HELV.PHYC.ACT.,28,185(1955)

002 M.MIWA
EXCITATION FUNCTION FOR THE REACTION LI-7(G,T)HE-4 UP TO 21 MEV.
J.PHYS.SOC.JAP.,10,173(1955)

003 R.D.EDGE
NEUTRON EXPERIMENTS WITH A SENSITIVE SZILARD-CHALMERS DETECTOR.
AUSTR.J.PHYS.,9,429(1956)

004 T.W.RYBKA,L.KATZ
PHOTONEUTRON REACTIONS IN LITHIUM.
PHYS.REV.,110(5),1123(1958)

005 T.A.ROWANOWSKI,W.H.VOELKER
PHOTONEUTRON CROSS SECTIONS OF LI-6 AND LI-7.
PHYS.REV.,113(3),886(1959)

006 R.W.FAST,P.A.FLOURNOY,R.S.TICKLE,W.Q.WHITEHEAD
PHOTONEUTRON CROSS SECTIONS OF LI,N,AND AR.
PHYS.REV.,118(2),535(1960)

007 E.R.BAZHANOV, L.A.KULCHITSKY
INVESTICATION OF HIGH ENERGY PROTONS EMITTED IN THE PHOTODISINTEGRATION OF LI-6.
ZETF,38(6),1685(1960)

008 M.MIWA,H.YAMAGUCHI
FURTHER STUDY OF THE REACTION LI-7(G,T)HE-4.
J.PHYS.SOC.JAP.,15(6),947(1960)

009 V.G.SHEVCHENKO,B.A.YUR'EV
PHOTODISINTEGRATION OF LI-7 BY BREMSSTRAHLUNG RADIATION OF 9.5 MEV END-POINT ENERGY.
ISB.AN CCCP,25(8),1269(1961)

R10 A.KH.SHARDANOV, V.G.SHEVCHENKO
INVESTIGATION OF THE LI-7(G,P)HE-6 REACTION.
ZETF,42,1438(1962)

R11 A.G.GREGORY,T.R.SHERWOOD,E.W.TITTERTON
THE EXCITATION FUNCTION OF THE LI-7(G,P)HE-6 REACTION.
NUCL.PHYS.,32,543(1962)

R12 S.COSTA,S.FERRONI,V.MATACHIN,R.MALVANO
ON THE PHOTO-DISINTEGRATION OF LI-6.
PHYS.LETT.,4(5),388(1963)

R13 S.COSTA,F.FERRERO,S.FERRONI,B.MINETTI,C.MOLINO,R.MOLVANO
LIGHT ELEMENT PHOTONEUTRON PRODUCTION IN THE 0-80 MEV ENERGY RANGE.
PHYS.LETT.,6(2),226(1963)

R14 L.A.KULCHITSKY,YU.M.VOLKOV
PHOTODISINTEGRATION OF LI-7.
ZETF,44(4),1153(1963)

R15 L.A.KULCHITSKY,YU.M.VOLKOV,V.P.DENISOV
THE LI-7 LEVELS IN PHOTODISINTEGRATION.
IZV.AN CCCP,27(11),1612(1963)

R16 A.P.KOMAR,E.D.MAKHNOVSKY
DEUTERONS AND TRITONS OF LOW ENERGIES AT THE PHOTODISINTEGRATION OF LI-6.
DAN CCCP,156(4),774(1964)

R17 A.KH.SHARDANOV,V.G.SHEVCHENKO,B.A.YURIEV
THE INVESTIGATION OF THE LI-6(G,P) REACTION.
IZV.AN CCCP,28(1),68(1964)

R18 L.GREEN,D.J.DONAHUE
PHOTONEUTRON CROSS SECTIONS WITH MONOENERGETIC NEUTRON- CAPTURE GAMMA RAYS.
PHYS.REV.,135(3B),B871(1964)

R19 E.D.MAKHNOVSKY
PHOTOPROTONS FROM LI-6.
ZETF,46(3),1136(1964)

R20 E.P.ALLUM,C.M.CRAWLEY,B.M.SPICER
THE EMISSION OF PHOTONEUTRONS FROM NATURAL LITHIUM.
NUCL.PHYS.,51,177(1964)

R21 E.P.BAZHANOV,A.P.KOMAR,A.V.KULIKOV
PHOTONEUTRONS FROM LI-6 AND CO-59.
ZETF,46,1497(1964)

R22 G.R.BISHOP,M.BERNHEIM
DIRECT ELECTRODISINTEGRATION OF LI-7 INTO TRITON PLUS ALPHA-PARTICLE.
PHYS.LETT.,8,49(1964)

R23 D.J.DALLIMORE,M.SLAN,H.H.THIES
THE REACTIONS LI-6(G,D) AND LI-7(G,T) BE-0F A MEV.
AUSTR.J.PHYS.,18,389(1965)

R24 G.F.MANUZIO,R.MALVANO,G.RICCO,M.SANZONE
CHARGED PHOTOPARTICLES FROM LI-6.
NUOV.CIM.,B42(1),378(1965)

R25 F.HAYWARD,T.STOVALL
PHOTONEUTRON PRODUCTION BY LI-6,LI-7,B-10,B-11 AND O-16.
NUCL.PHYS.,69,241(1965)

R26 E.P.BAZHANOV,A.P.KOMAR,A.V.KULIKOV,E.D.MAKHNOVSKY
LI-6 PHOTODISINTEGRATION.
NUCL.PHYS.,68,191(1965)

R27 R.L.BERMAN,R.L.BRAMBLETT,J.T.CALDWELL,R.R.HARVEY,S.C.FULTZ
PHOTONEUTRON CROSS SECTIONS OF LI-6.
PHYS.REV.,138(5),727(1965)

R28 S.COSTA,F.FERRERO,C.MANFREDOTTI,L.PASQUALINI,L.ROASIO
PHOTODISINTEGRATION OF LI-6.
NUOV.CIM.,B42(2),382(1966)

R29 G.F.MANUZIO,G.RICCO,M.SANZONE
CHARGED PHOTOPARTICLES FROM NATURAL LITHIUM.
NUOV.CIM.,B42(2),348(1966)

830 N.K.SHERMAN,J.R.STEWART,R.C.MORRISON
PHOTOTRITONS FROM LI-6.
PHYS.REV.LETT.,17(1),31(1966)

831 E.B.BAZHANOV,A.P.KOMAR,A.V.KULIKOV
CROSS SECTION OF THE PHOTONEUTRON REACTIONS ON LI-7.
ДАН СССР,171(3),549(1966)

832 V.P.DENISOV,A.P.KOMAR,L.A.KULCHITSKY,E.D.MAKHNOVSKY
PHOTODISINTEGRATION OF LI-6.
ЯД.ФИЗ.,5(3),498(1967)

833 A.MURAKAMI
LI-6(G,T)HE-3 AND LI-6(G,PD)H-3 REACTIONS.
NUOV.CIM.,B55(2),684(1968)

834 N.K.SHERMAN,J.E.E.BACLIN,R.O.OWENS
PHOTOTRITON CROSS SECTION OF LI-6.
PHYS.REV.,169(4),771(1968)

835 N.N.KAUSHAL,E.J.WINHOLD,P.F.YERGIN,H.A.MEDICUS,R.H.AUGUSTSON
FAST-PHOTONEUTRON SPECTRA DUE TO 55.85-MEV PHOTONS
PHYS.REV.,175(4),1330(1968)

836 W.RUSS,W.DEL BIANCO,H.WAFFLER,B.ZIEGLER
DEUTERON CAPTURE IN HE-3.
NUCL.PHYS.,A112,47,(1968)

837 YU.I.SOROKIN,A.KH.SHARDANOV,V.G.SHEVCHENKO,B.A.YUR'EV
PHOTODISINTEGRATION OF LI-6 AND LI-7 BY BREMSSTRAHLUNG G-BEAM WITH END-POINT ENERGY E=12 MEV.
ИЗВ.АН СССР,23(4),721(1969)

838 C.F.WONG,R.M.HUTCHEON,Y.M.SHIN,H.S.CAPLAN
ELECTRODISINTEGRATION OF LITHIUM.
CAN.J.PHYS.,49,1917(1970)

839 M.SANZONE,C.RICCO,S.COSTA,L.FERRERO
HIGH-ENERGY PHOTODISINTEGRATION OF LITHIUM.
NUCL.PHYS.,A153,401(1970)

840 A.MURAKAMI
LI-6(G,T)HE-3 AND LI-6(G,P+D)H-3 REACTIONS.
J.PHYS.SOC.JAP.,28(1),1(1970)

841 R.L.BRAMBLETT,B.L.BERMAN,M.A.KELLY,J.T.CALDWELL,S.C.FULTZ
PHOTONEUTRON CROSS SECTIONS FOR 7-LI.
PROC.OF INT.CONF.ON PHOTONUCL.REACT.AND APPL.,CALIFORNIA,1973,V.1,P.175

842 E.A.KOTIKOV,E.D.MAKHNOVSKY
REACTION LI-7(G,P+T)H-3 AT EG<27 MEV.
ЯД.ФИЗ.,18(2),245(1973)

843 V.P.DENISOV,L.A.KULCHITSKY,I.YA.CHUBUKOV
PHOTONUCLEAR REACTIONS ON LI-6 WITH THE EMISSION OF CHARGE PARTICLES.
ИЗР,АН СССР,37(1),107(1973)

844 V.P.DENISOV,I.YA.CHUBUKOV
CHANNELS OF THE REACTION LI-7(G,P)HE-6.
ЯД.ФИЗ.,20(6),1106(1974)

845 Y.M.SHIN,D.M.SKOPIK,J.J.MURPHY
THE 3-LI-6(G,T)2-HE-3 REACTION,DIPOLE SUM RULES AND CLUSTER STRUCTURE OF LI-6.
PHYS.LETT.,55B,297(1975)

846 V.P.DENISOV,I.YA.CHUBUKOV
EMISSION OF DEUTERONS IN PHOTODISINTEGRATION OF L-7 NUCLEUS.
ЯД.ФИЗ.,22(5),897(1975)

847 J.AHRENS,H.B.EPPLER,H.GIMM,H.KRONING,P.RIEHN,A.ZIEGER,B.ZIEGLER
TOTAL PI-MESON PHOTOPRODUCTION CROSS SECTION FOR LITHIUM AND BERYLLIUM.
PHYS.LETT.,52B,43(1974)

848 J.AHRENS,H.BORCHERT,K.H.CZOCK,H.B.EPPLER,H.GIMM,H.GUNDRIM,M.KRONING,P.RIEHN,G.SITARAM,
A.ZIEGER,B.ZIEGLER
TOTAL NUCLEAR PHOTON ABSORPTION CROSS SECTIONS FOR SOME LIGHT ELEMENTS.
NUCL.PHYS.,A251,479(1975)

849 M.K.LEUNG,J.J.MURPHY,Y.M.SHIN,D.M.SKOPIK
THE REACTION LI-7(E,T)HE-4,E' BETWEEN 6 AND 15 MEV.
CAN.J.PHYS.,55,252(1977)

850 H.FERDINANDE,N.K.SHERMAN,K.H.LOKAN,C.K.ROSS
PHOTONEUTRON CROSS SECTIONS IN LI-7.
CAN.J.PHYS.,55,428(1977)

851 YU.M.VOLKOV,G.A.KOLOMENSKY,E.F.LAKOVICHEV,E.D.MAKHNOVSKY,A.V.NADTOCHIJ,V.V.POPOV,
V.P.FOMINENKO,V.P.CHIZHOV
PHOTODISINTEGRATION OF QUASI-A-PARTICLES IN NUCLEI LI-6,7 BY G-QUANTA WITH EG=35-55 MEV.
PR.#M3.,27(4),468(1978)

852 G.JANGHANS,K.BANGERT,J.E.P.BERG,R.STOCK,K.WIENHARD
THE PHOTODISINTEGRATION OF LI-6 AND LI-7.
Z.PHYS.,A291,353(1979)

853 D.M.SKOPIK,J.J.MURPHY,J.ASAI
CONCERNING THE EXISTENCE OF A 16 MEV LEVEL IN LI-6.
PHYS.REV.,C19,1144(1979)

854 D.M.SKOPIK,J.ASAI,E.L.TOMUSIAK,J.J.MURPHY
EXPERIMENT AND THEORY FOR THE REACTION LI-7(G,T)HE-4 FOR EG<58 MEV.
PHYS.REV.,C22(6),2425(1979)

855 J.ASAI,J.J.MURPHY,D.M.SKOPIK
REACTIONS LI-7(E,HE-4)PE' AND LI-7(E,LI-6)NE' AT INTERMEDIATE EXCITATION ENERGIES.
PHYS.REV.,C21(2),469(1980)

856 V.P.DENISOV,I.YA.CHUBUKOV
EVIDENCE OF LI-7 CLASTER STRUCTURE IN (G,T) REACTION.
PR.#M3.,35,1(1982)

857 M.R.SENE,I.ANTHONY,D.BRANFORD,A.C.FLOWERS,A.C.SHOTTER,C.H.ZIMMERMAN,J.C.MCGEORGE,R.O.OWENS,
P.J.THORLEY
MECHANISM OF THE LI-7(G,N) REACTIONS.
PHYS.REV.LETT.,50,1831(1983)

IV. АВТОРСКИЙ УКАЗАТЕЛЬ

В алфавитном порядке указаны фамилии и инициалы авторов и номера работ, вошедших в выпуск (NNN).

A	AHRENS J.	047 048
	ALLUM F.R.	020
	ANTHONY I.	057
	ASAI J.	053 054 055
	AUGUSTSON R.H.	035
B	BAGLIN J.E.E.	034
	BANGERT K.	052
	BAZHANOV E.B.	007 021 026 031
	BERG J.E.P.	052
	BERMAN B.L.	027 041
	BERNHEIM M.	022
	BISHOP G.R.	022
	BORCHERT H.	048
	BRAMBLETT R.L.	027 041
	BRANFORD D.	057
	BUSS W.	036
C	CALDWELL J.T.	027 041
	CAPLAN H.S.	038
	CHIZHOV V.P.	051
	CHUBUKOV I.YA.	043 044 046 056
	COSTA S.	012 013 028 039
	CRAWLEY G.M.	020
	CZOCK K.H.	048
D	DALLIMORE P.J.	023
	DEL BIANCO W.	036
	DENISOV V.P.	015 032 043 044 046 056
	DONAHUE D.J.	018
E	EDGE R.D.	003
	EPPLER H.B.	047 048
F	FAST R.W.	006
	FERDINANDE H.	050
	FERRERO F.	013 028
	FERRERO L.	039
	FERRONI S.	012 013
	FLOURNOY P.A.	006
	FLOWERS A.G.	057
	FOMINENKO V.P.	051
	FULTZ S.C.	027 041
G	GIMM H.	047 048
	GREEN L.	018
	GREGORY A.G.	011
	GUNORIM H.	048
H	HARVEY R.R.	027
	HAYWARD E.	025
	HEINRICH F.	001
	HUTCHEON R.M.	038
J	JANCHANS G.	052
K	KATZ L.	004
	KAUSHAL N.N.	035
	KELLY M.A.	041
	KOLOMENSKY G.A.	051
	KOMAR A.P.	016 021 026 031 032
	KOTIKOV E.A.	042
	KRONING M.	047 048
	KULCHITSKY L.A.	007 014 015 032 043
	KULIKOV A.V.	021 026 031
L	LAKOVICHEV E.F.	051
	LAM K.S.	025

IV. AUTHOR INDEX

Surnames and initials are given in alphabetical order, as are the numbers of works included in issue (NNN).

	LEUNG M.K.	049
	LOKAN K.H.	050
M	MAKHNOVSKY E.D.	016 019 026 032 042 051
	MALVANO R.	012 024
	MANFREDOTTI C.	028
	MANUZIO G.E.	024 029
	MCGEORGE J.C.	057
	MEDICUS H.A.	035
	MINETTI B.	013
	MIWA M.	002 008
	MOLINO C.	013
	MOLVANO R.	013
	MORRISON R.C.	030
	MURAKAMI A.	033 040
	MURPHY J.J.	045 049 053 054 055
N	NAOTOCHIJ A.V.	051
O	OWENS R.O.	034 057
P	PASQUALINI L.	028
	POPOV V.V.	051
R	RICCO G.	024 029 039
	RIEHN P.	047 048
	ROASIO L.	028
	ROMANOWSKI T.A.	005
	ROSS C.K.	050
	RUBIN R.	001
	RYBKA T.W.	004
S	SANZONE M.	024 029 039
	SENE M.R.	057
	SHARDANOV A.KH.	010 017 037
	SHERMAN N.K.	030 034 050
	SHERWOOD T.R.	011
	SHEVCHENKO V.G.	009 010 017 037
	SHIN Y.H.	038 045 049
	SHOTTER A.C.	057
	SITARAM G.	048
	SKOPIK D.M.	045 049 053 054 055
	SOROKIN YU.I.	037
	SPICER B.M.	020
	STEWART J.R.	030
	STOCK R.	052
	STOVALL T.	025
T	THIES H.H.	023
	THORLEY P.J.	057
	TICKLE R.S.	006
	TITTERTON E.W.	011
	TOMUSIAK E.L.	054
V	VOELKER V.H.	005
	VOLKOV YU.M.	014 015 051
W	WAFFLER H.	036
	WATAGHIN V.	012
	WHITEHEAD W.D.	006
	WIENHARD K.	052
	WINHOLD E.J.	035
	WONG C.F.	038
Y	YAMANOUCHI M.	008
	YERGIN P.F.	035
	YUR'EV B.A.	009 017 037
Z	ZIEGER A.	047 048
	ZIEGLER B.	036 047 048
	ZIMMERMAN C.H.	057

СОДЕРЖАНИЕ

I. ПРЕДИСЛОВИЕ 4

II. ТАБЛИЦЫ ЦИФРОВЫХ ДАННЫХ И ГРАФИКИ . . 4

П.1. Пояснения к таблицам 4

П.2. Словарь кодов 7

П.3. Пояснения к графикам 9

П.4. Таблицы данных. Атлас сечений. . 10

П.4.1. Изотоп 3-LI-5 10

П.4.2. Изотоп 3-LI-6 11

П.4.3. Изотоп 3-LI-7 67

III. БИБЛИОГРАФИЯ 139

IУ. АВТОРСКИЙ УКАЗАТЕЛЬ 143

CONTENTS

I. PREFACE 4

II. TABLES OF DIGITAL DATA AND GRAPHS. . 4

П.1. Explanations of the tables . . 4

П.2. Dictionaries of codes 7

П.3. Explanations of the graphs. . . 9

П.4. Tables of data. Atlas of cross sections 10

П.4.1. Isotope 3-LI-5 10

П.4.2. Isotope 3-LI-6 11

П.4.3. Isotope 3-LI-7 67

III. BIBLIOGRAPHY 139

IV. AUTHOR INDEX 143

Владимир Васильевич Варламов,
Игорь Михайлович Капитонов,
Валерий Викторович Сургутанов,
Андрей Анатольевич Хороненко,
Александр Петрович Черняев.

"Фоторасщепление лития. Атлас сечений".
Информационный обзор.

Редактор К.И.Стратилатова

Технический редактор Л.Ф.Белова

В подготовке обзора принимали участие

Т.Н.Алексеева,
Е.А.Грищенко,
Е.Т.Зазулина,
С.В.Мелик-Саркисян,
Л.А.Сусоева.

Подписано к печати I4.XII.84 г. Л-79I33. Заказ № 2895
Формат 60x84/8. Бумага офсетная № I.
Усл.печ.л. I8.5. Уч.-изд.л. I2.5. Тираж 200 экз.
Цена 70 коп.

Издательство
Московского университета
Москва, К-9, ул. Герцена, 5/7.

Отпечатано в НИИЯФ МГУ