

## EXFOR Example 2 (EXFOR+ format)

*Lines starting with # are explanatory lines added by the "Interpreted EXFOR" output program*

ENTRY	31439	940712	20050926	0000
SUBENT	31439001	940712	20050926	0000
BIB	11	14		
TITLE	Activation cross sections and isomeric ratios in reactions induced by 14.5 MeV neutrons in Sm-152, Sm-154 and Hf-178.			
AUTHOR	(A.KIROV,N.NENOFF,E.GEORGIEVA,C.NECHEVA,I.EPHTIMOV)			
INSTITUTE	(3BULSOF)			
	#(3BULSOF) Univ.of Sofia, Bulgaria			
REFERENCE	(J,ZP/A,245,(3),285,9305)			
	#(J,ZP/A,245,(3),285,9305) Journ.: Zeitschrift fuer Physik, Section A, Vol.245, Issue.3, p.285 (1993) Germany			
FACILITY	(CCW)			
	#(CCW) Cockcroft-Walton accelerator			
INC-SOURCE	(D-T)			
METHOD	(ACTIV)			
	#(ACTIV) Activation			
DETECTOR	(HPGE)			
	#(HPGE) Hyperpure Germanium detector			
ERR-ANALYS	No error analysis given.			
STATUS	Data are from table 1 of Z. Phys. A, vol. 345, no. 3, pp. 285-292.			
HISTORY	(940610C) HW			
ENDBIB	14			
COMMON	2	3		
EN	EN-ERR			
MEV	MEV			
14.54	0.24			
ENDCOMMON	3			
ENDSUBENT	21			
SUBENT	31439005	940712	20050926	0000
BIB	6	14		
REACTION	(62-SM-154(N,D)61-PM-153,,SIG)			
	#(62-SM-154(N,D)61-PM-153,,SIG) Quantity: [CS] Cross section			
DECAY-DATA	(61-PM-153,5.3MIN,DG,127.3,.14)			
SAMPLE	Samariumoxide powder enriched to 99.2% Sm-154, mixed with ironoxide powder in precise measured weight ratio. 200 mg of the mixture was placed and sealed in polyethylene capsules in the form of cylinders 10 mm in diameter and few mm high.			
MONITOR	(62-SM-154(N,A)60-ND-151,,SIG)			
MONIT-REF	(.S.M.QAIM+,B,HB.SPEC,3,141,81)			
CORRECTION	Corrections have been made for coincidence summing and ranged between 2 and 48%. The coincidence summing correction factors for the lines of interest were obtained from the known decay schemes and the total efficiency of the detector.			
ENDBIB	14			
NOCOMMON				
DATA	4	1		
DATA	ERR-T	MONIT	MONIT-ERR	
MB	MB	MB	MB	
.43	.08	1.9	0.4	
ENDDATA	3			
ENDSUBENT	22			
SUBENT	31439006	940712	20050926	0000
BIB	6	21		
REACTION	1(72-HF-178(N,P)71-LU-178-G,,SIG)			
	2(72-HF-178(N,P)71-LU-178-M,,SIG)			
	3(72-HF-178(N,P)71-LU-178-M/G,,SIG/RAT)			
	#(72-HF-178(N,P)71-LU-178-G,,SIG) Quantity: [CS] Cross section			
	#(72-HF-178(N,P)71-LU-178-M,,SIG) Quantity: [CS] Cross section			
	#(72-HF-178(N,P)71-LU-178-M/G,,SIG/RAT) Quantity: [CS] Cross section ratio			
DECAY-DATA	(71-LU-178-M,22.9MIN,DG,213.4,.809,			
	DG,325.6,.939,			
	DG,426.4,.969,			
	DG,331.7,.116)			
	(71-LU-178-G,28.1MIN,DG,1340.8,.0474)			

## EXFOR Basics

SAMPLE Hafniumoxide powder enriched to 92.4% Hf-178, mixed with ironoxide powder in precise measured weight ratio. 200 mg of the mixture was placed and sealed in polyethylene capsules in the form of cylinders 10 mm in diameter and few mm high.

MONITOR (26-FE-56(N,P)25-MN-56,,SIG)

MONIT-REF (30675002,A.ANTOV+,J,BJP,10,(6),601,83)  
(,N.NENOFF+,J,GUS,78,35,84)

CORRECTION Corrections have been made for coincidence summing and ranged between 2 and 48%. The coincidence summing correction factors for the lines of interest were obtained from the known decay schemes and the total efficiency of the detector.

ENDBIB 21

NOCOMMON

DATA 8 1 8

DATA	1ERR-T	1DATA	2ERR-T	2DATA	3ERR-T	3MONIT	MONIT-ERR
1.8	0.4	.98	.08	0.54	0.13	110.9	2.8

ENDDATA 6

ENDSUBENT 32

ENDENTRY 3

*Proper display of table with more than 6 columns*