

## EXFOR Example 1 (EXFOR+ format)

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

ENTRY	C1582	20071127	20080305	20080228	C083
SUBENT	C1582001	20071127	20080305	20080228	C083
BIB	10	20			
TITLE	Astrophysically important 31S states studied with the 32S(p,d)31S reaction				
AUTHOR	(Z.Ma,D.W.Bardayan,J.C.Blackmon,R.P.Fitzgerald, M.W. Guidry,W.R.Hix,K.L.Jones,R.L.Kozub, R.J.Livesay, M.S.Smith,J.S.Thomas,And D.W.Visser)				
INSTITUTE	(1USATEN,1USAORL,1USANCA,1USATTU,1USACSM) (1USAUSA) Rutgers University, Piscataway, New Jersey #(1USACSM) Colorado School of Mines, Golden, CO, USA #(1USANCA) University of North Carolina, Chapel Hill, NC, USA #(1USAORL) Oak Ridge National Laboratory, Oak Ridge, TN, USA #(1USATEN) University of Tennessee, Knoxville, TN, USA #(1USATTU) Tennessee Technical Univ., Cookeville, TN, USA #(1USAUSA) United States of America, USA				
REFERENCE	(J,PR/C,76,15803,2007) # (J,PR/C,76,15803,2007) Journ.: Physical Review, Part C, Nuclear Physics, Vol.76, p.15803 (2007) USA				
FACILITY	#+ #URL= <a href="http://publish.aps.org/abstract/PRC/v76/p15803">http://publish.aps.org/abstract/PRC/v76/p15803</a> (VDGT,1USAORL) HRIBF Facility #(VDGT) Tandem van de Graaff #(1USAORL) Oak Ridge National Laboratory, Oak Ridge, TN, USA				
SAMPLE	ZnS target with a thickness of 285 microgram/cm2 deposited on 1 microgram/cm2 carbon for measurements at laboratory angles 17-48 deg. ZnS target with a thickness of 280 microgram/cm2 on 5 microgram/cm2 carbon backing at laboratory angles 31-75 deg				
DETECTOR	(SISD) Silicon detector array SIDAR operated in telescope mode with 300-micron-thick dE detectors backed by 500-micron-thick E detectors #(SISD) Silicon strip detector				
METHOD	(EDE) #(EDE) Particle identification by `E/Delta E` measurement				
ERR-ANALYS	(DATA-ERR) No information				
HISTORY	(20071127C) compiled by S.H.				
ENDBIB	20				
COMMON	1	3			
EN					
MEV					
32.					
ENDCOMMON	3				
ENDSUBENT	27				
SUBENT	C1582002	20071127	20080305	20080228	C083
BIB	2	2			
REACTION	(16-S-32(P,D)16-S-31,PAR,DA) #(16-S-32(P,D)16-S-31,PAR,DA) Quantity: [DAP] Partial differential cross section d/dA				
STATUS	(CURVE) Data taken from Fig 3 in the reference				
ENDBIB	2				
COMMON	1	3			
E-EXC					
KEV					
4085.					
ENDCOMMON	3				
DATA	3	2			
ANG	DATA	DATA-ERR			
ADEG	B/SR	B/SR			
18.57	6.427E-4	8.978E-5			
21.96	5.616E-4	8.567E-5			
ENDDATA	4				
ENDSUBENT	15				
SUBENT	C1582003	20071127	20080305	20080228	C083
BIB	2	2			
REACTION	(16-S-32(P,D)16-S-31,PAR,DA) #(16-S-32(P,D)16-S-31,PAR,DA) Quantity: [DAP] Partial differential cross section d/dA				
STATUS	(CURVE) Data taken from Fig 3 in the reference				
ENDBIB	2				

Interpreted abbreviations

URL of electronic journal article

Interpreted abbreviations

Interpreted abbreviation of quantity

## EXFOR Basics

```
COMMON                1          3
E-EXC
KEV
4451.
ENDCOMMON            3
DATA                 3          8
ANG      DATA      DATA-ERR
ADEG     B/SR       B/SR
18.69    4.963E-5   7.643E-6
20.42    6.343E-5   7.943E-6
22.41    5.487E-5   7.93E-6
24.4     5.132E-5   6.427E-6
26.63    5.075E-5   5.858E-6
28.37    5.548E-5   5.854E-6
47.98    5.306E-5   5.066E-6
50.71    4.8E-5     4.583E-6
ENDDATA                10
ENDSUBENT              21
ENDENTRY               3
```