

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

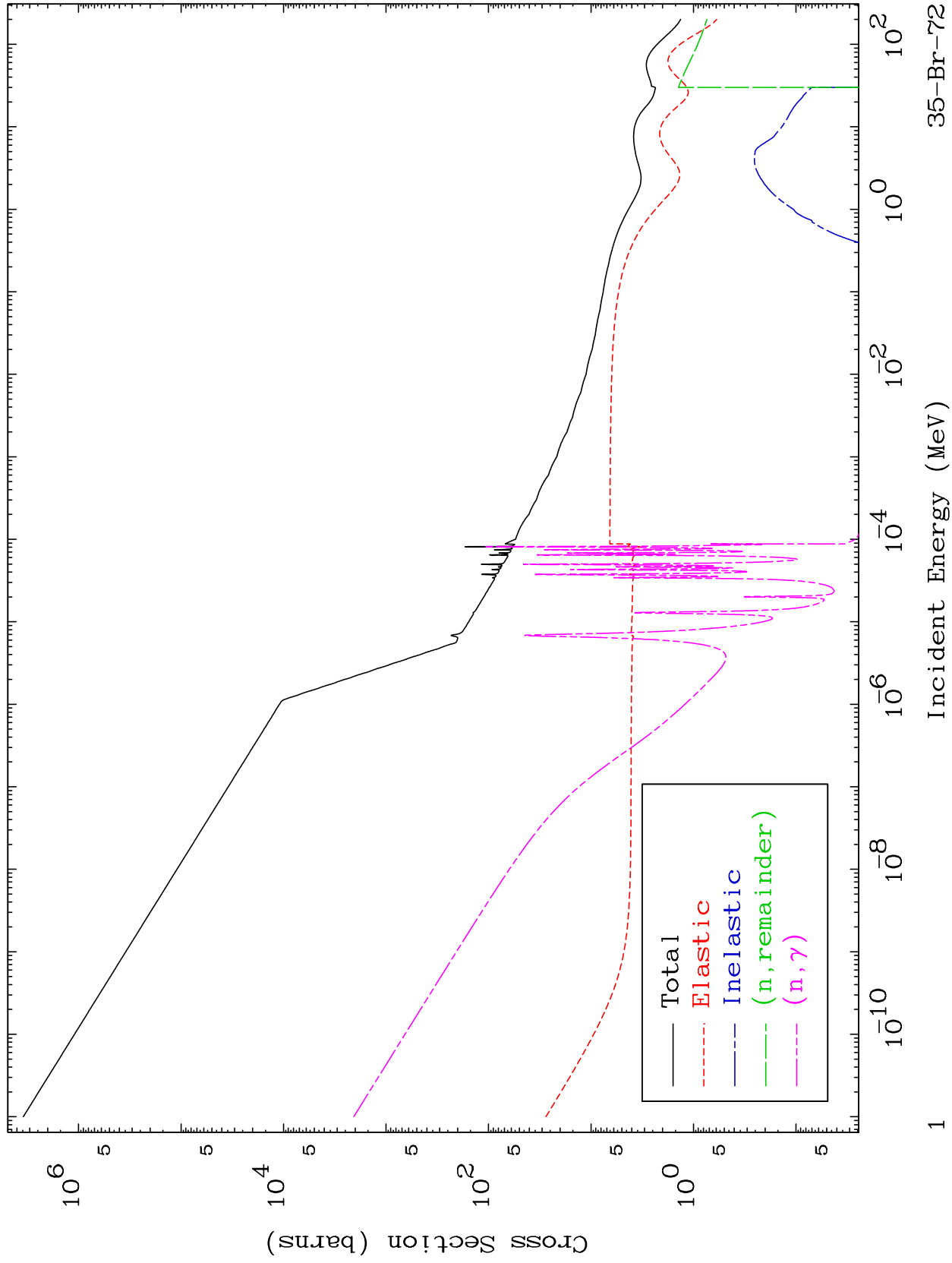
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3504

Major  
293 Kelvin Cross Sections

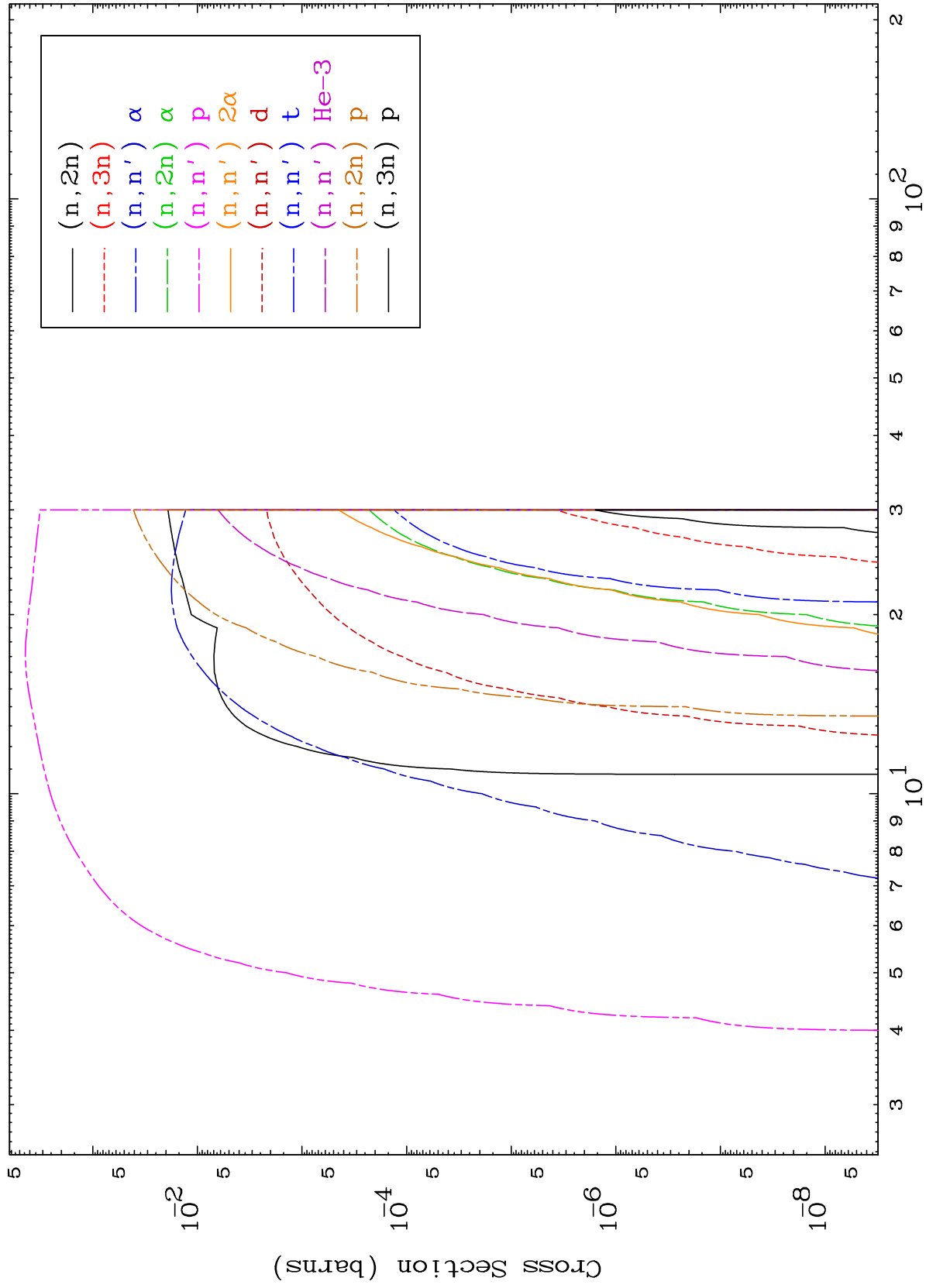
35-Br-72



MAT 3504

Neutron Production  
293 Kelvin Cross Sections

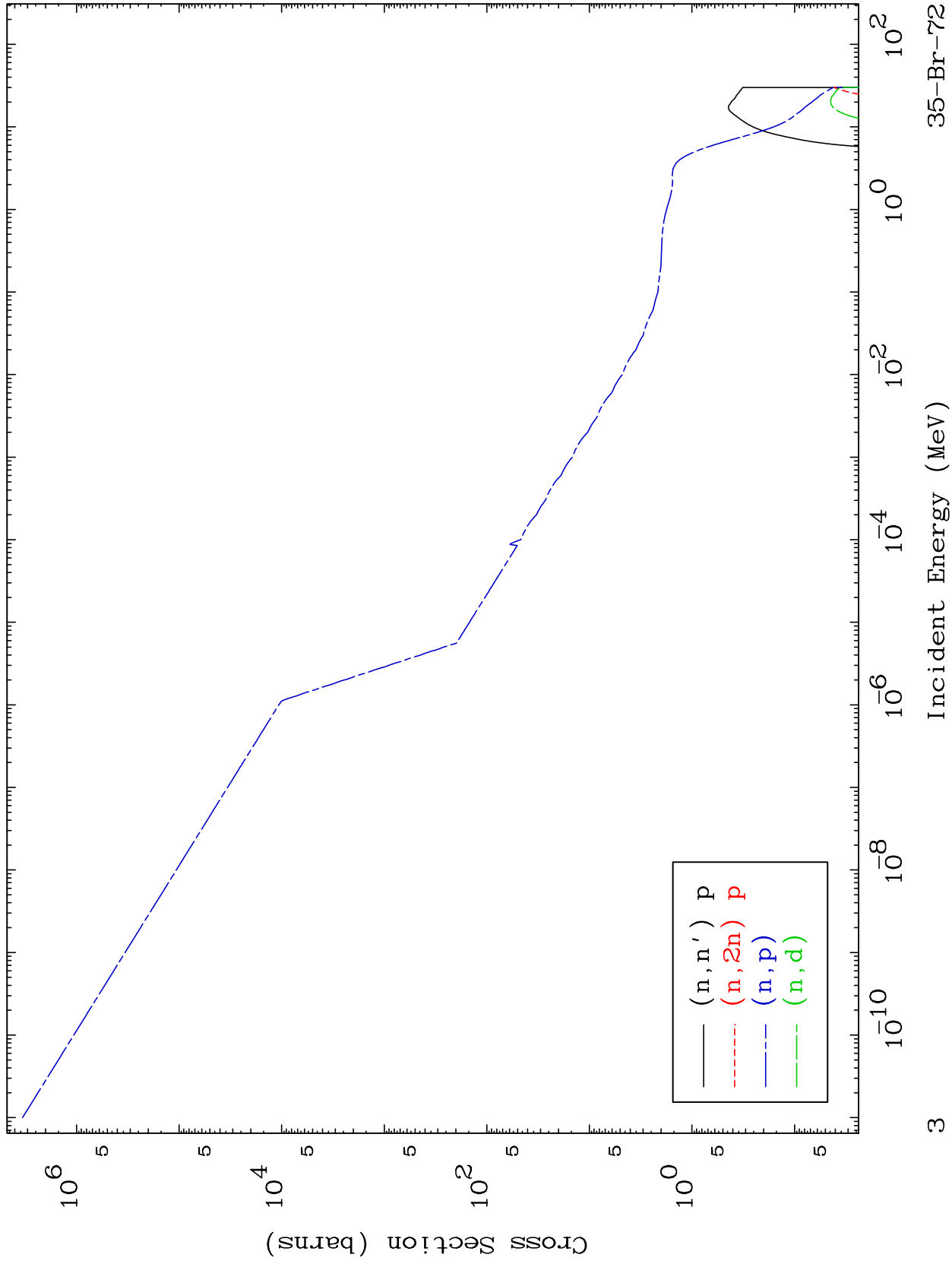
35-Br-72

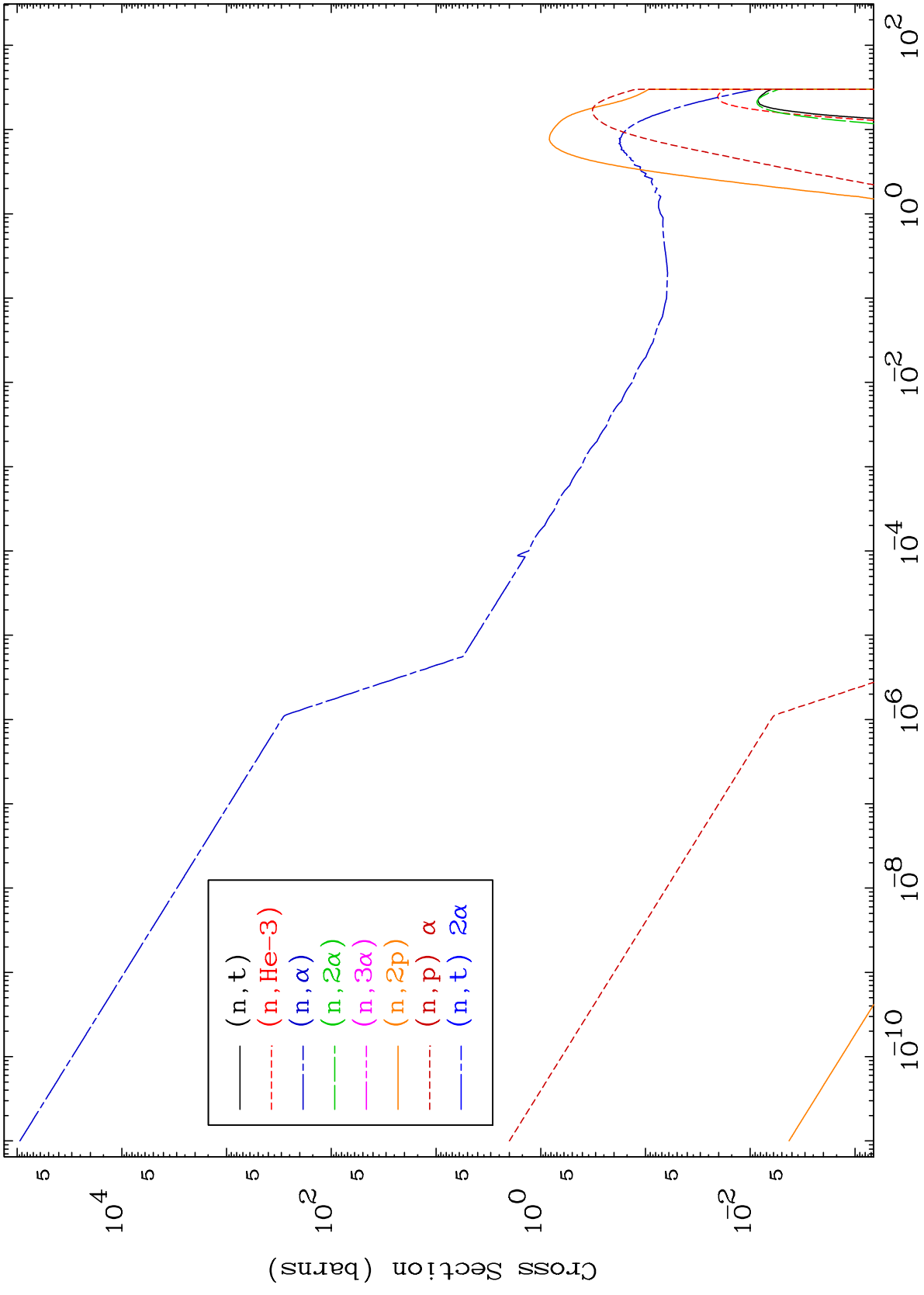


2

Incident Energy (MeV)

35-Br-72

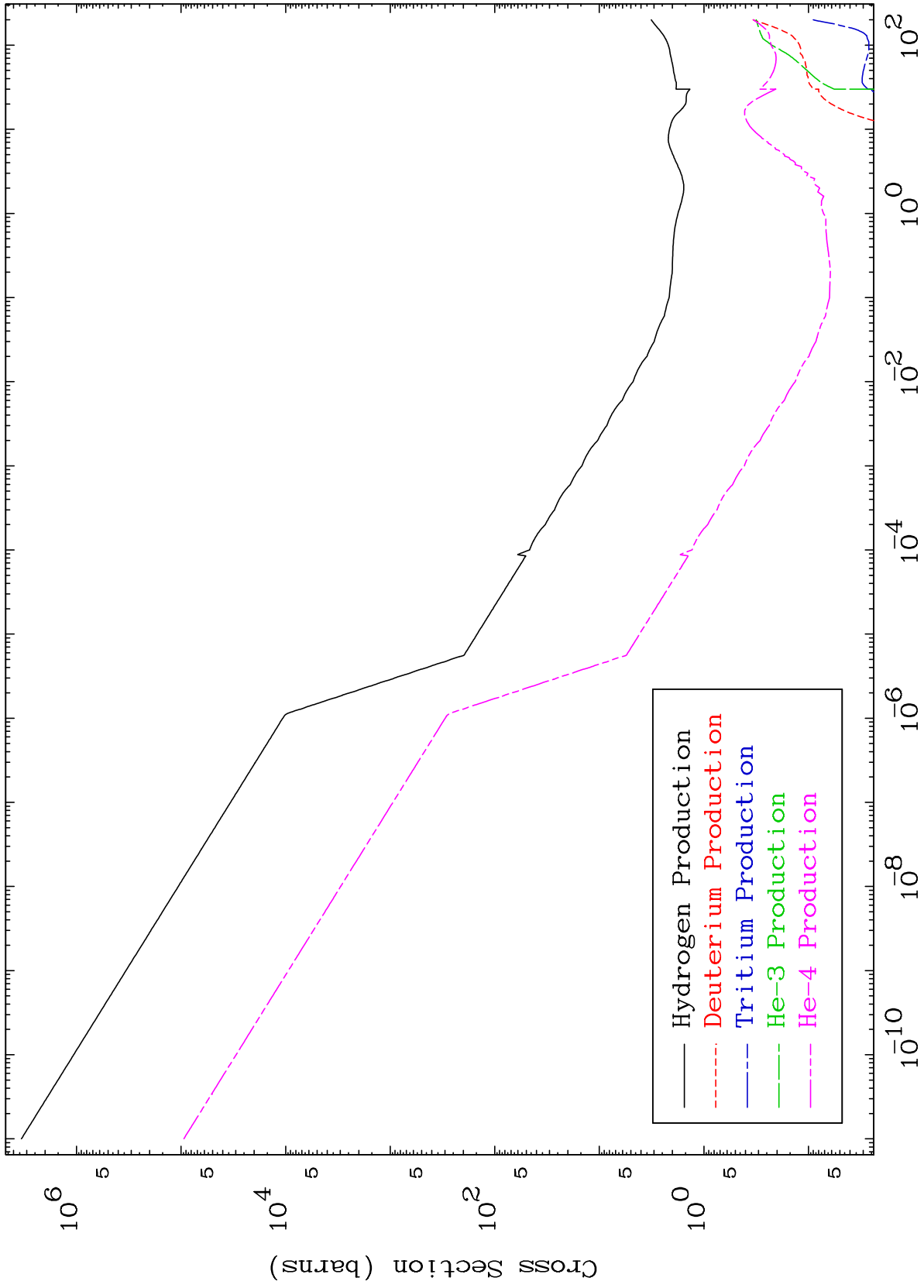




MAT 3504

Particle Production  
293 Kelvin Cross Sections

35-Br-72



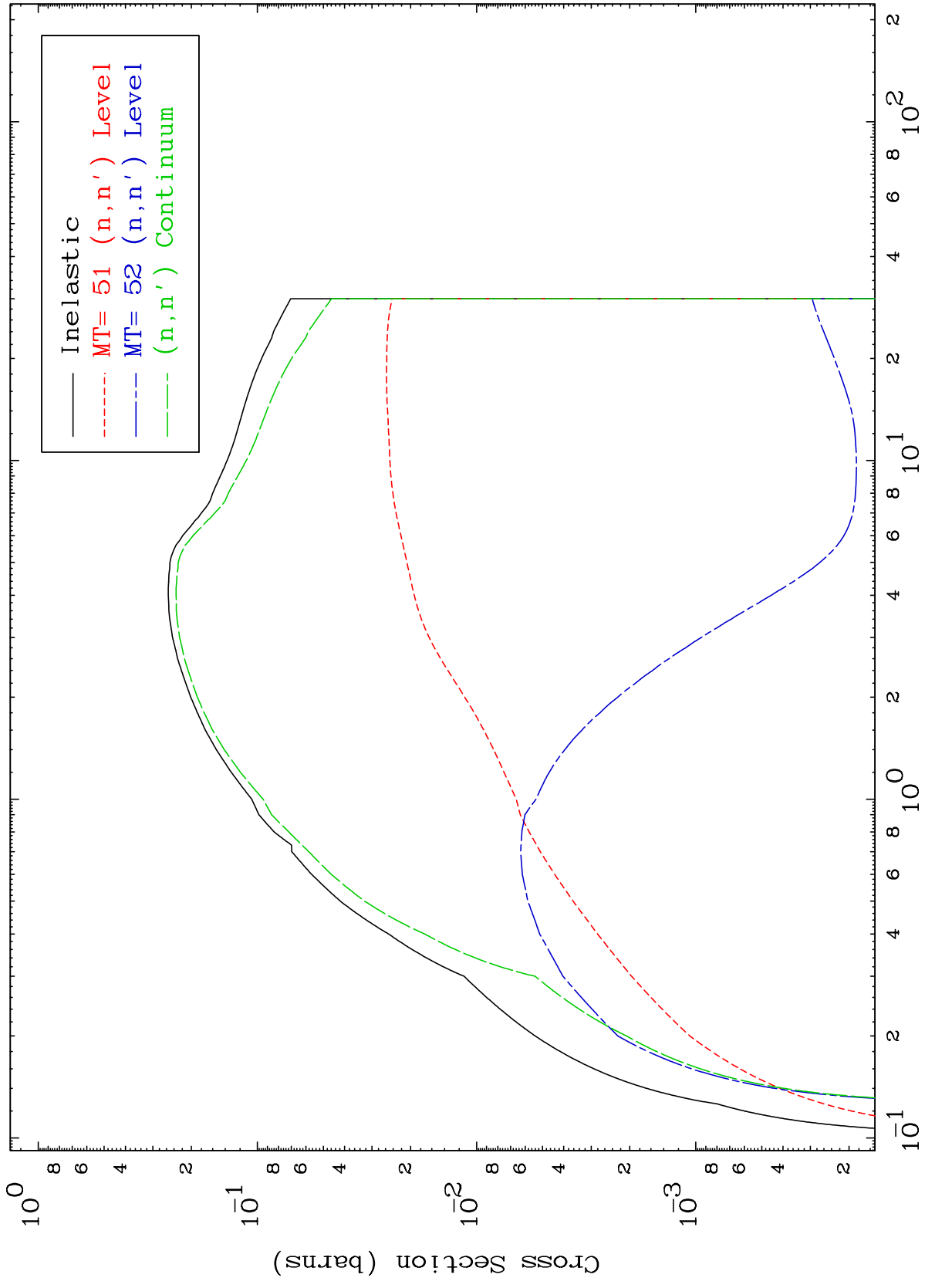
5

35-Br-72

MAT 3504

293 Kelvin Cross Sections

35-Br-72



Incident Energy (MeV)

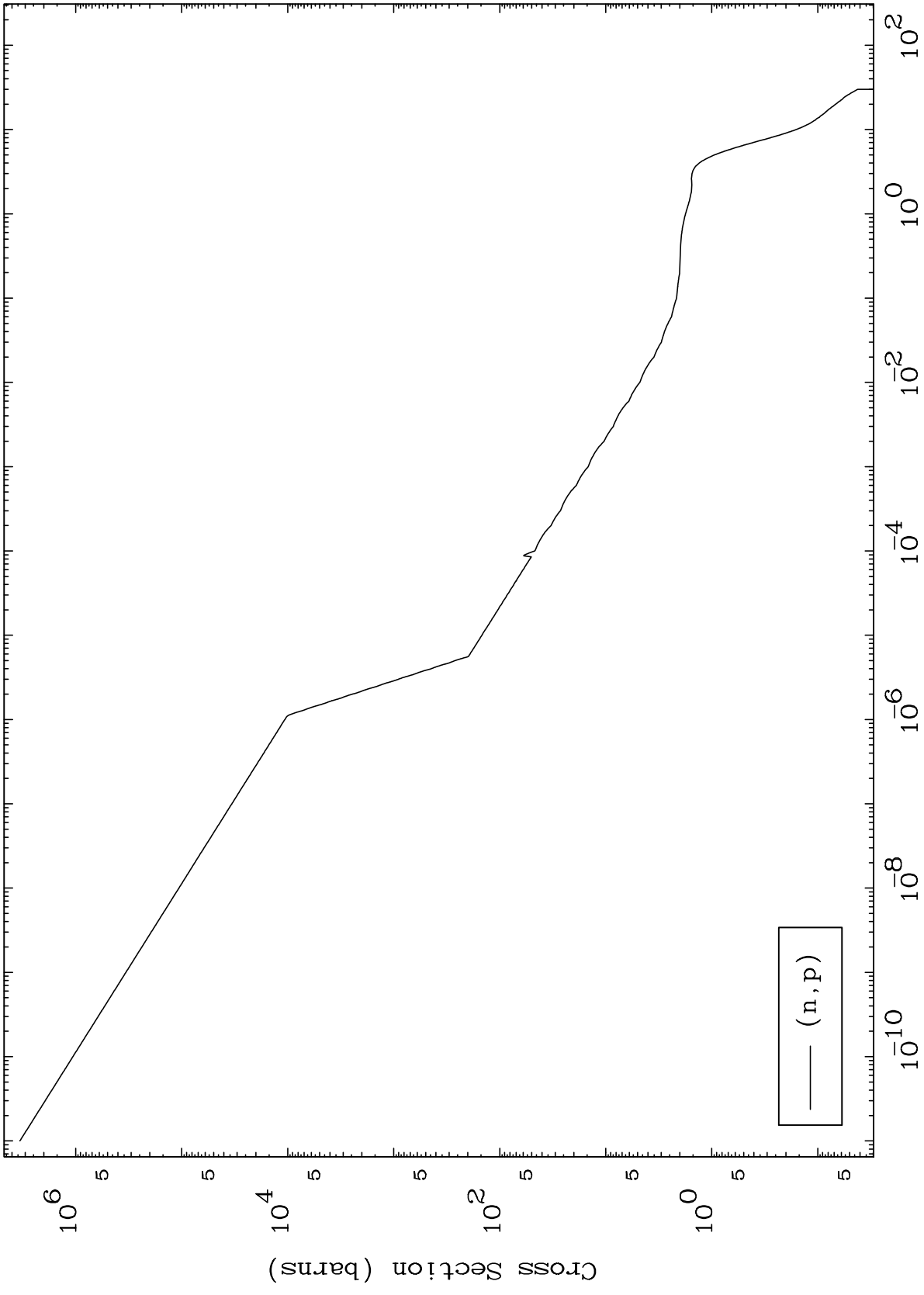
35-Br-72

6

MAT 3504

(n,p) Levels  
293 Kelvin Cross Sections

35-Br-72

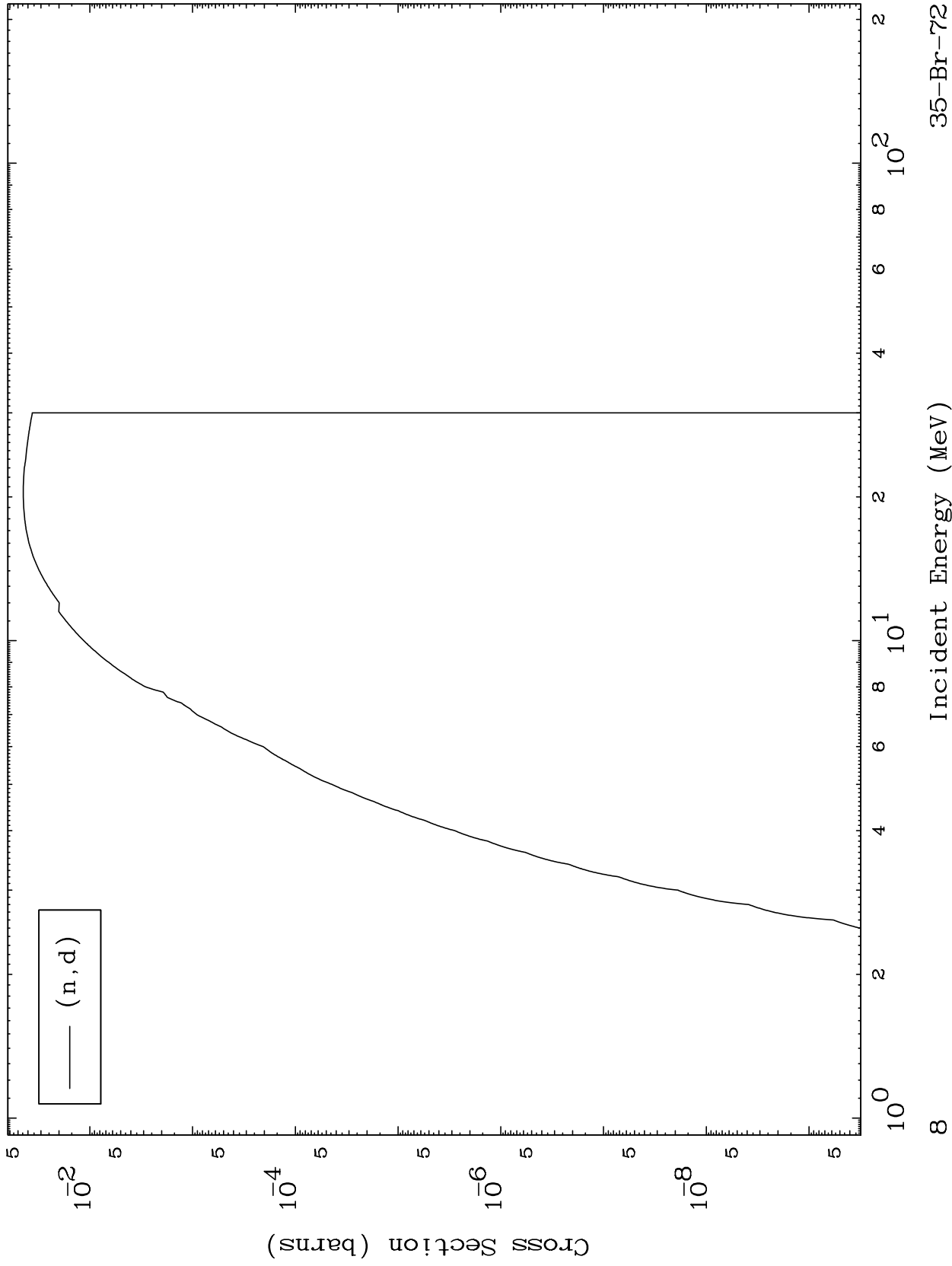


35-Br-72

MAT 3504

(n,d) Levels  
293 Kelvin Cross Sections

35-Br-72

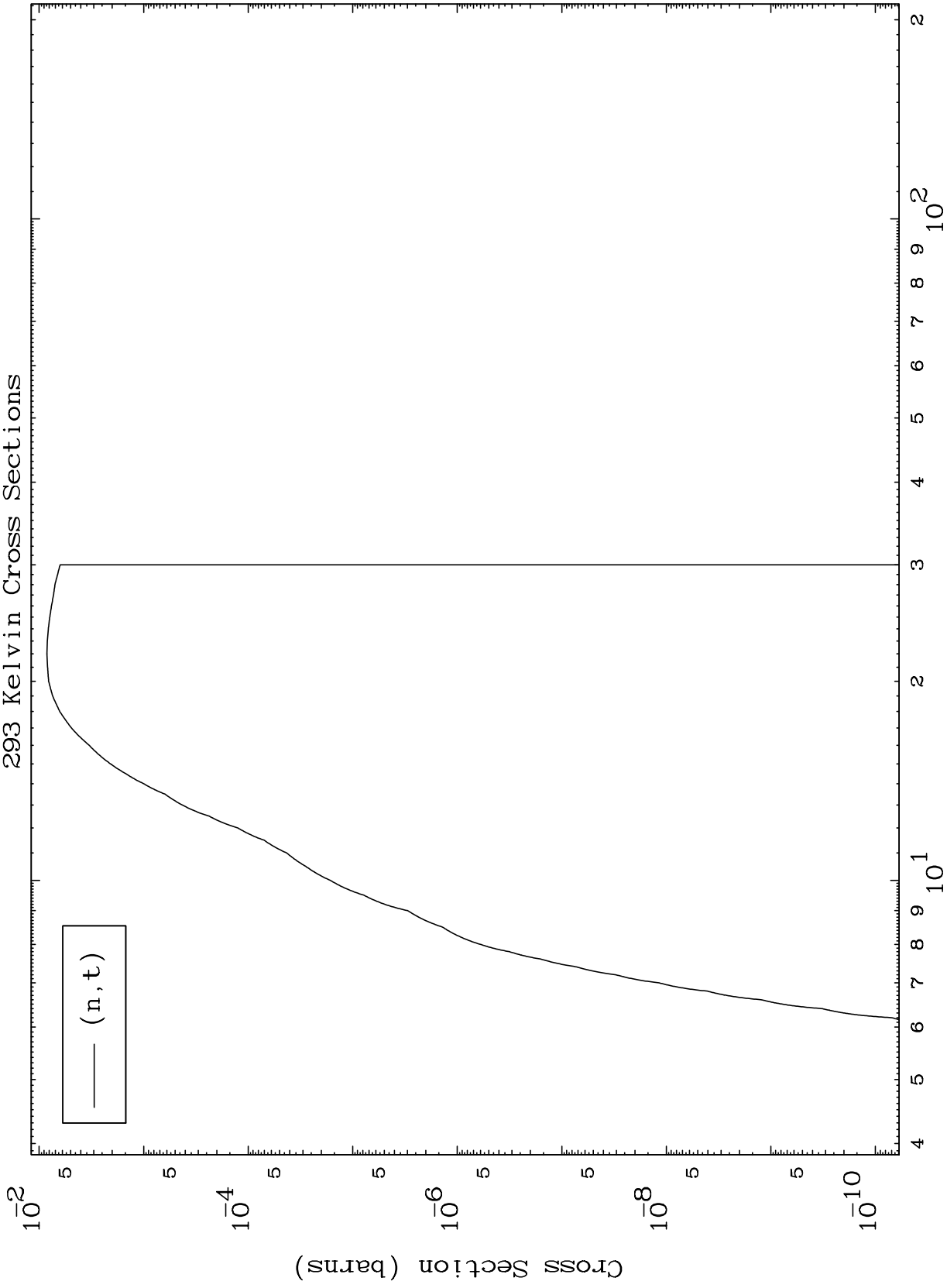


35-Br-72

MAT 3504

35-Br-72

(n,t) Levels  
293 Kelvin Cross Sections



9

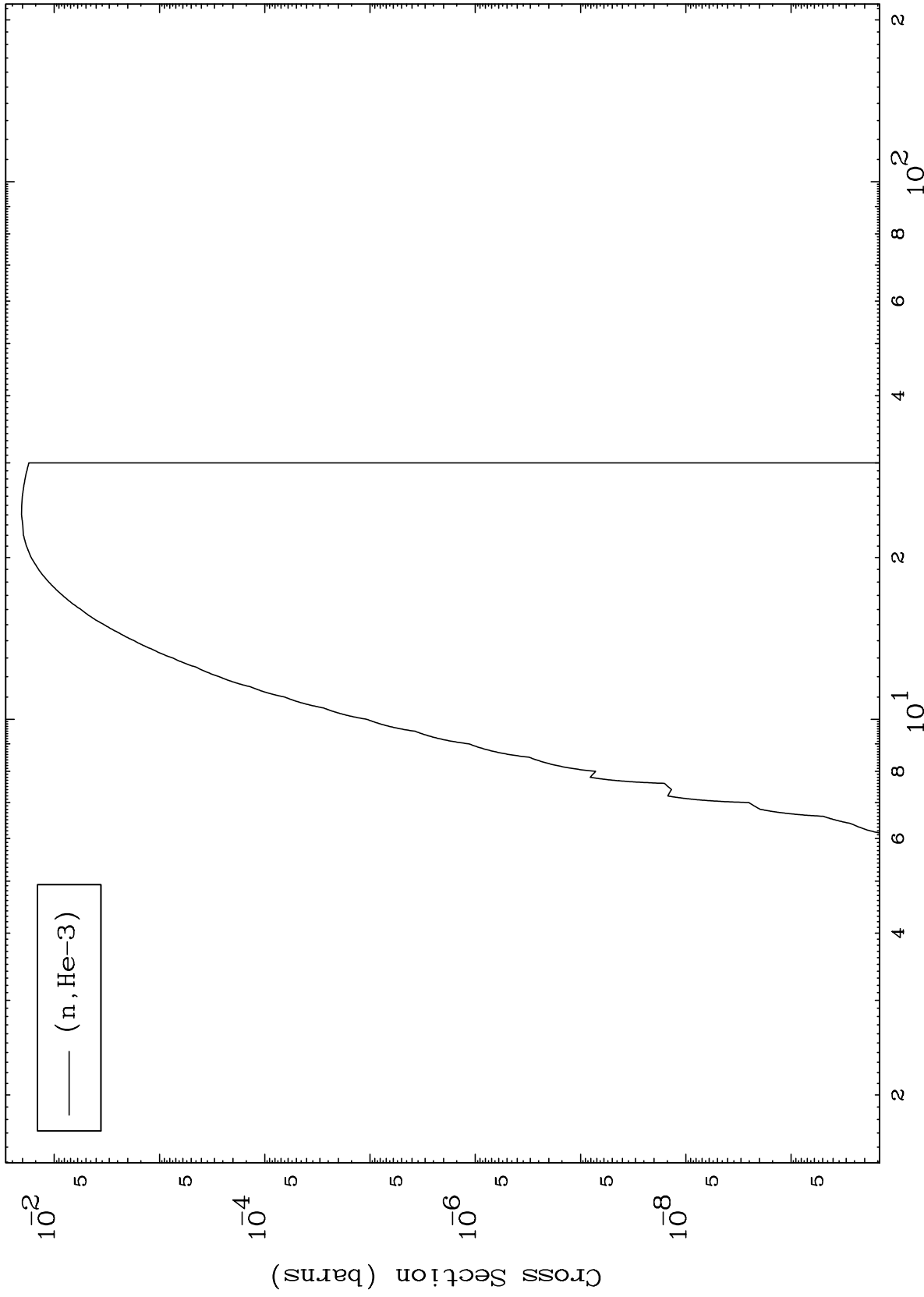
Incident Energy (MeV)

35-Br-72

MAT 3504

(n,He3) Levels  
293 Kelvin Cross Sections

35-Br-72



10

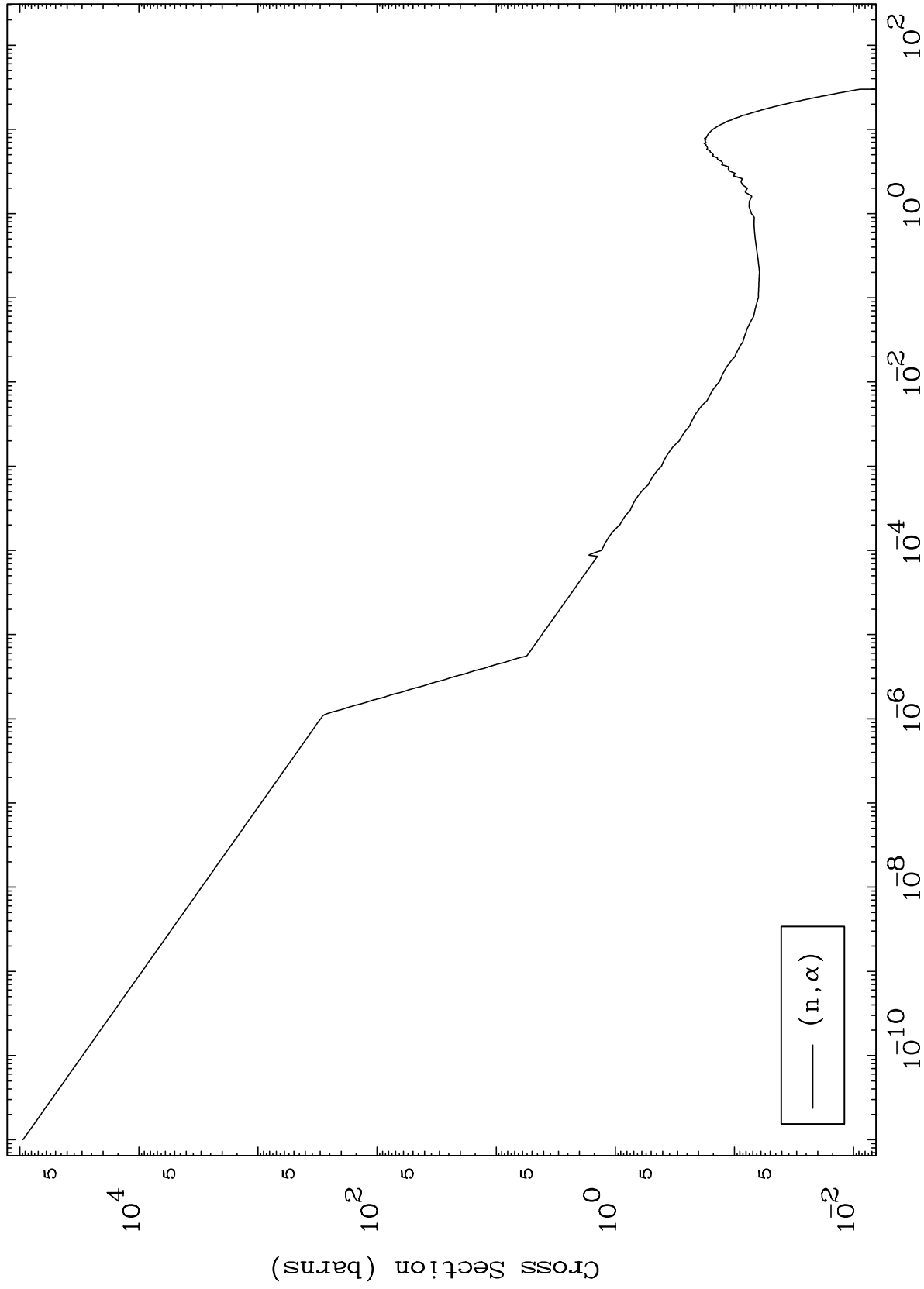
Incident Energy (MeV)

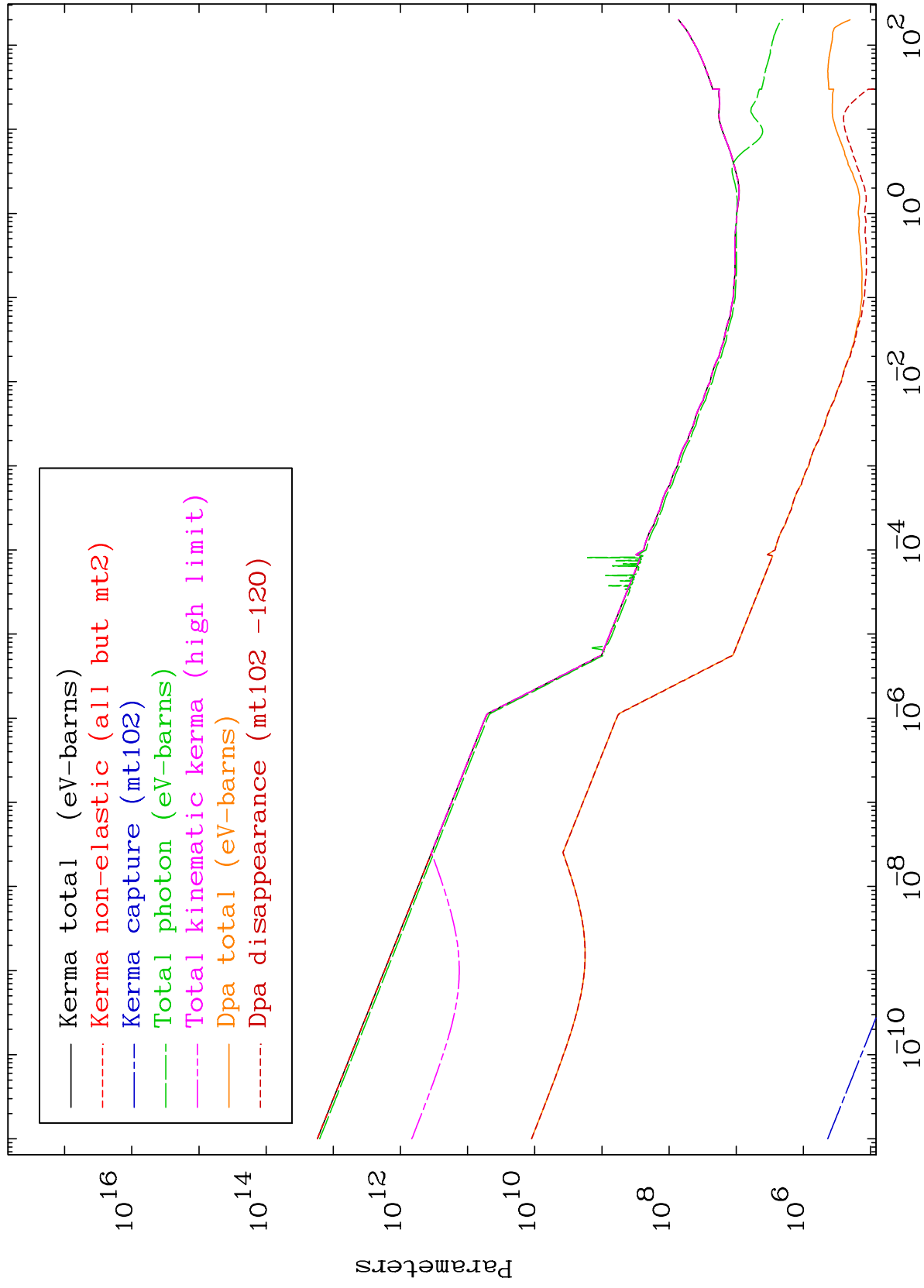
35-Br-72

MAT 3504

(n,α) Levels  
293 Kelvin Cross Sections

35-Br-72

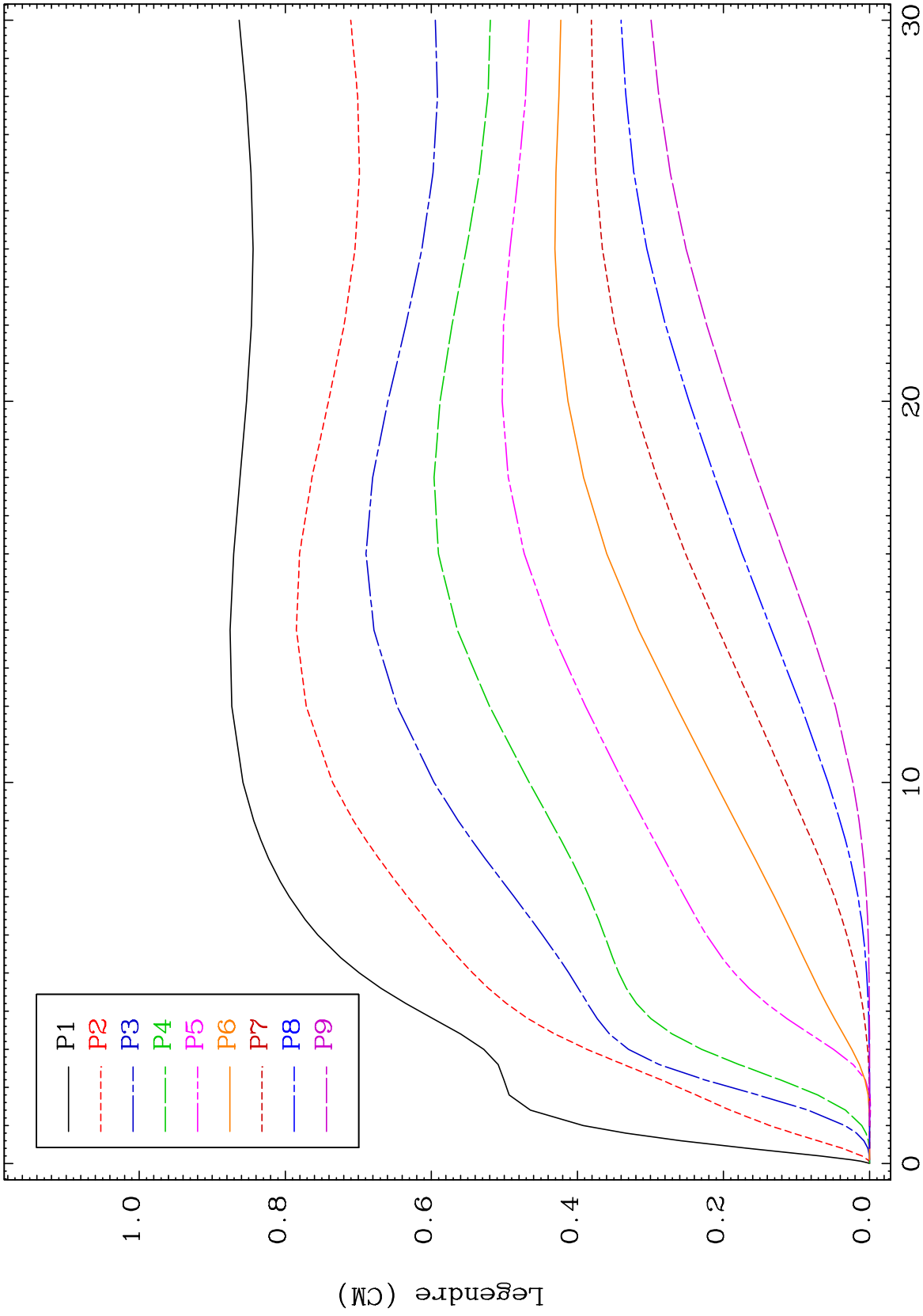




MAT 3504

Elastic Legendre Coefficients

35-Br-72



13

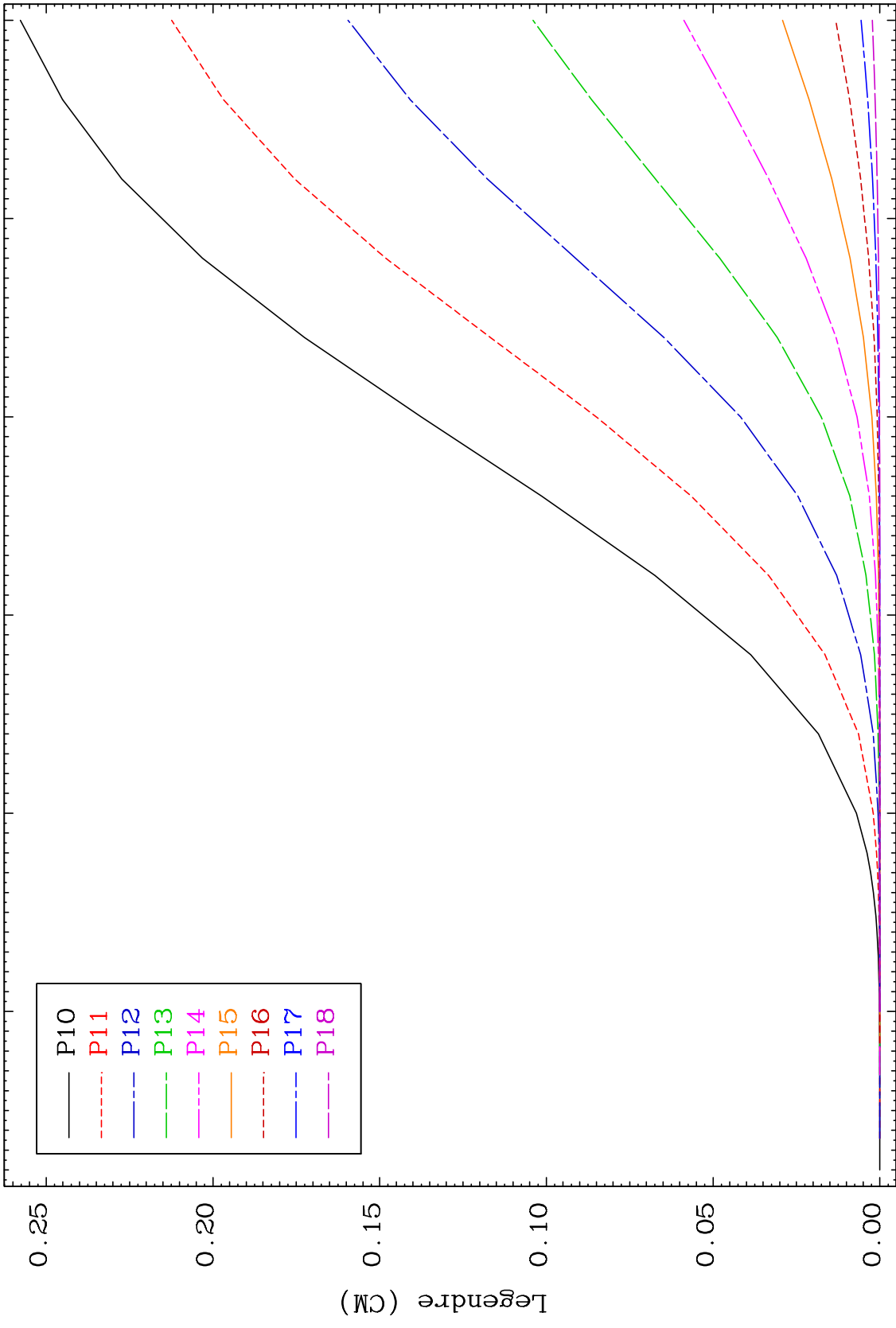
Incident Energy (MeV)

35-Br-72

MAT 3504

Elastic Legendre Coefficients

<sup>35</sup>Br-72



14

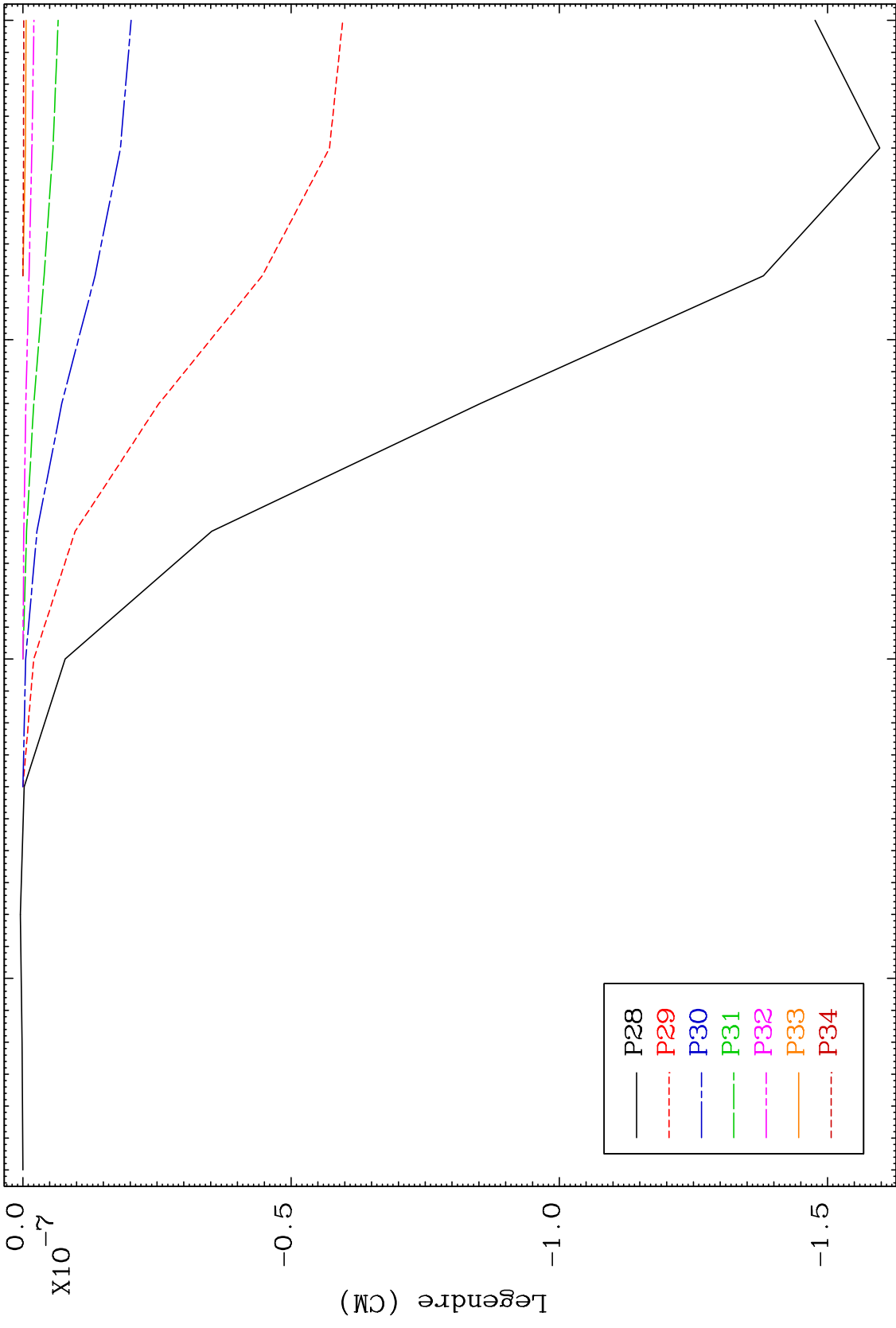
<sup>35</sup>Br-72



MAT 3504

35-Br-72

Elastic Legendre Coefficients



16

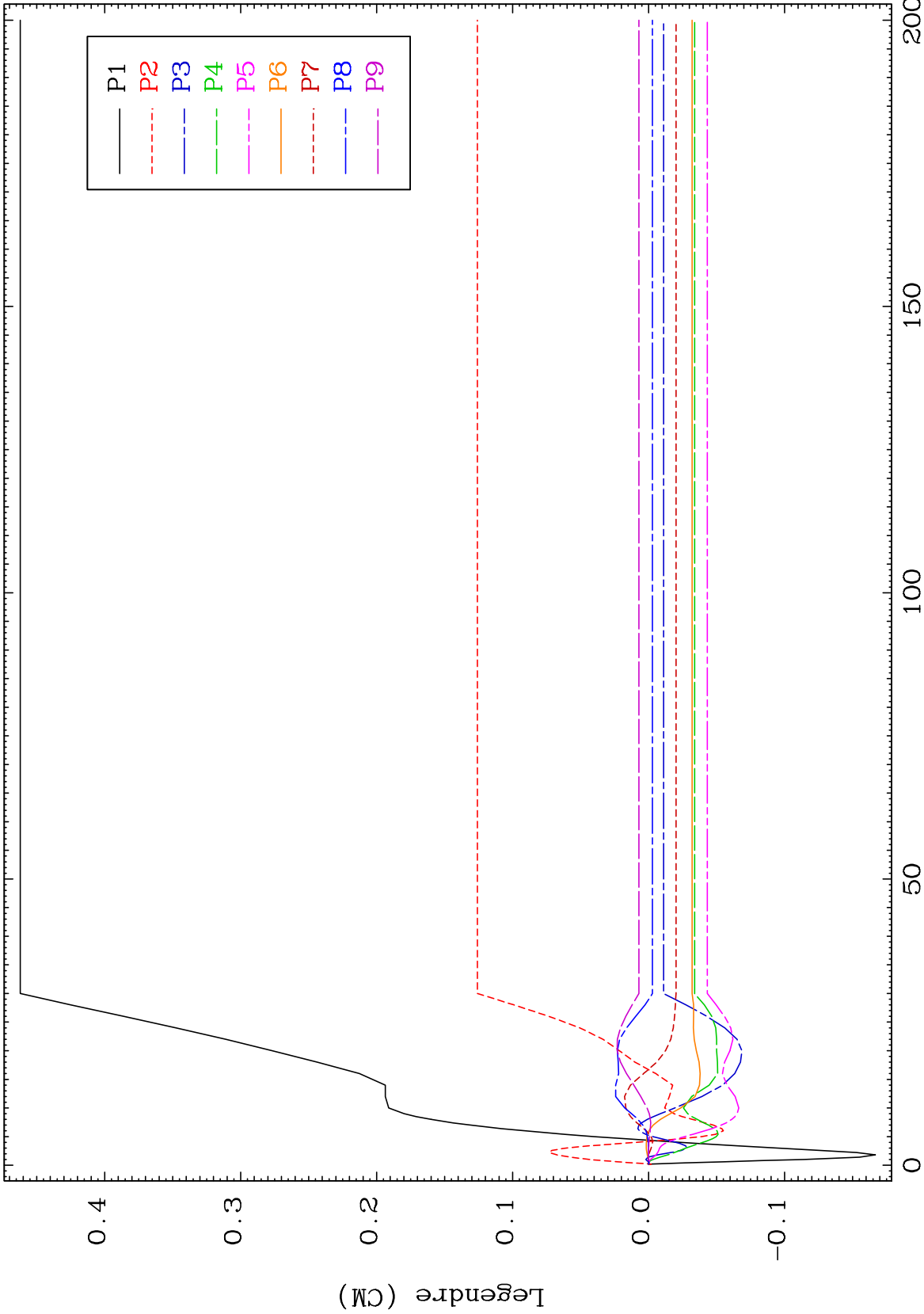
Incident Energy (MeV)

35-Br-72

MAT 3504

MT= 51 (n,n') Level  
Legendre Coefficients

35-Br-72

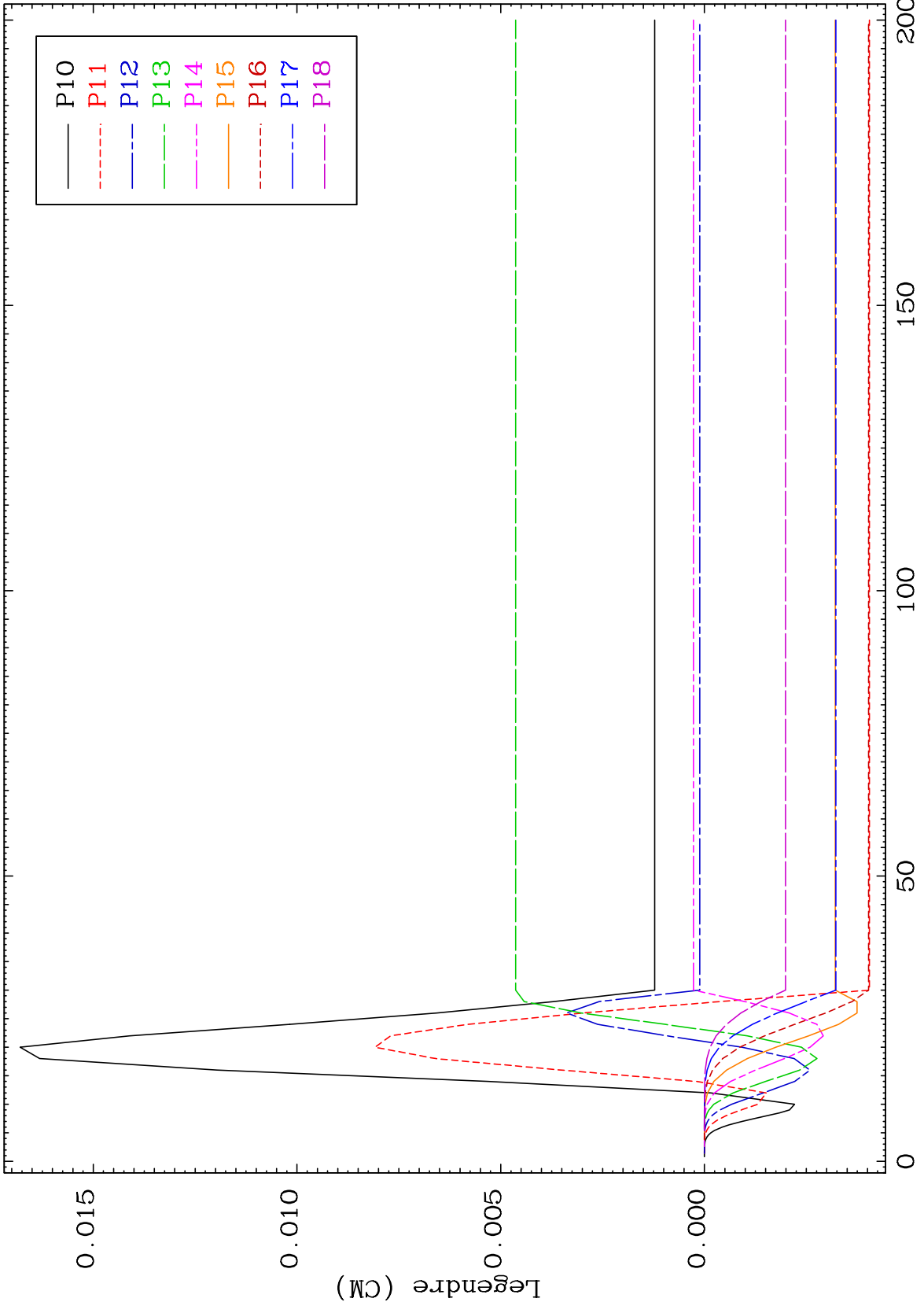


17

Incident Energy (MeV)

35-Br-72

MAT 3504 MT= 51 (n,n') Level Legendre Coefficients 35-Br-72

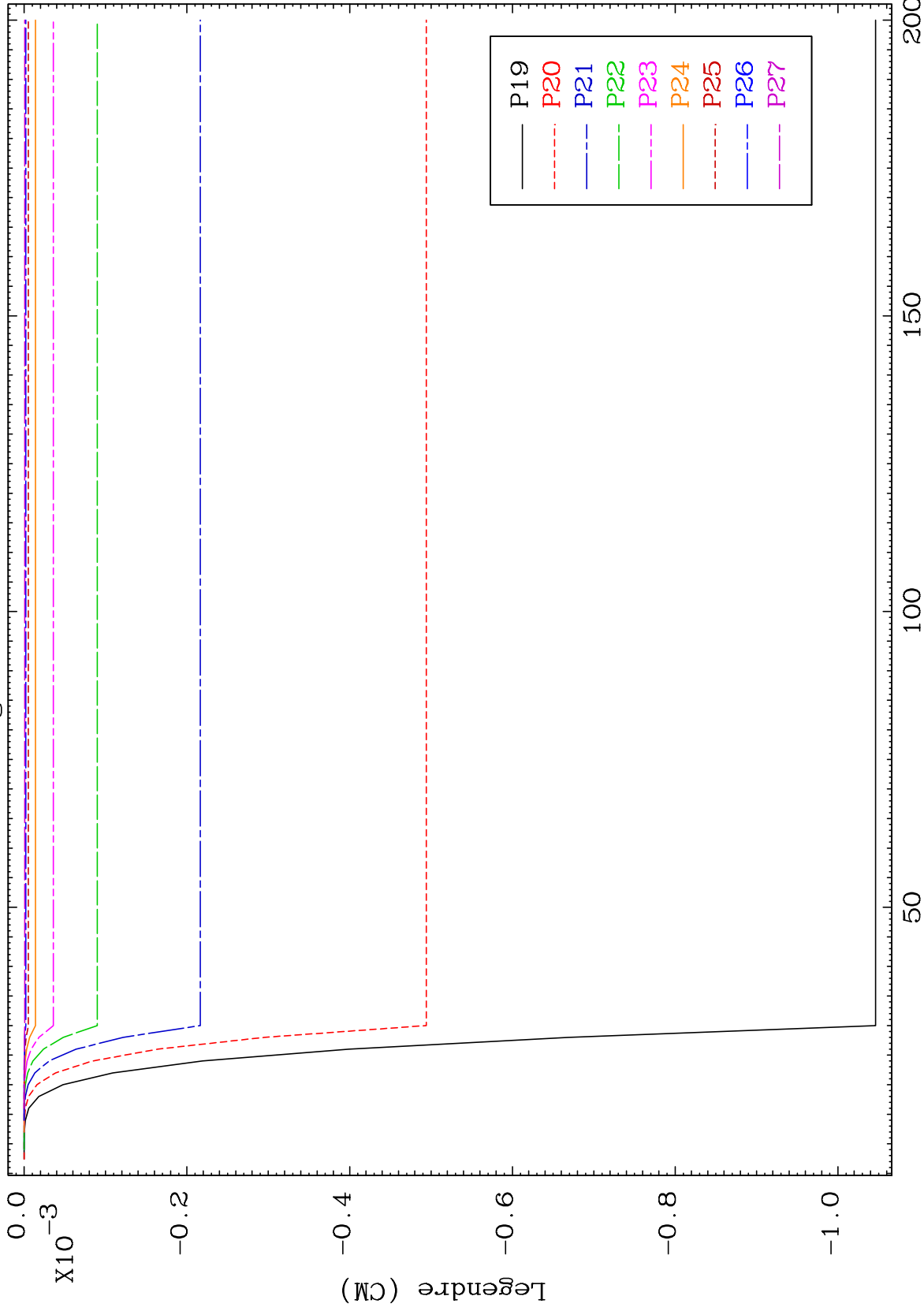


18 35-Br-72

MAT 3504

MT= 51 (n,n') Level  
Legendre Coefficients

35-Br-72



19

Incident Energy (MeV)

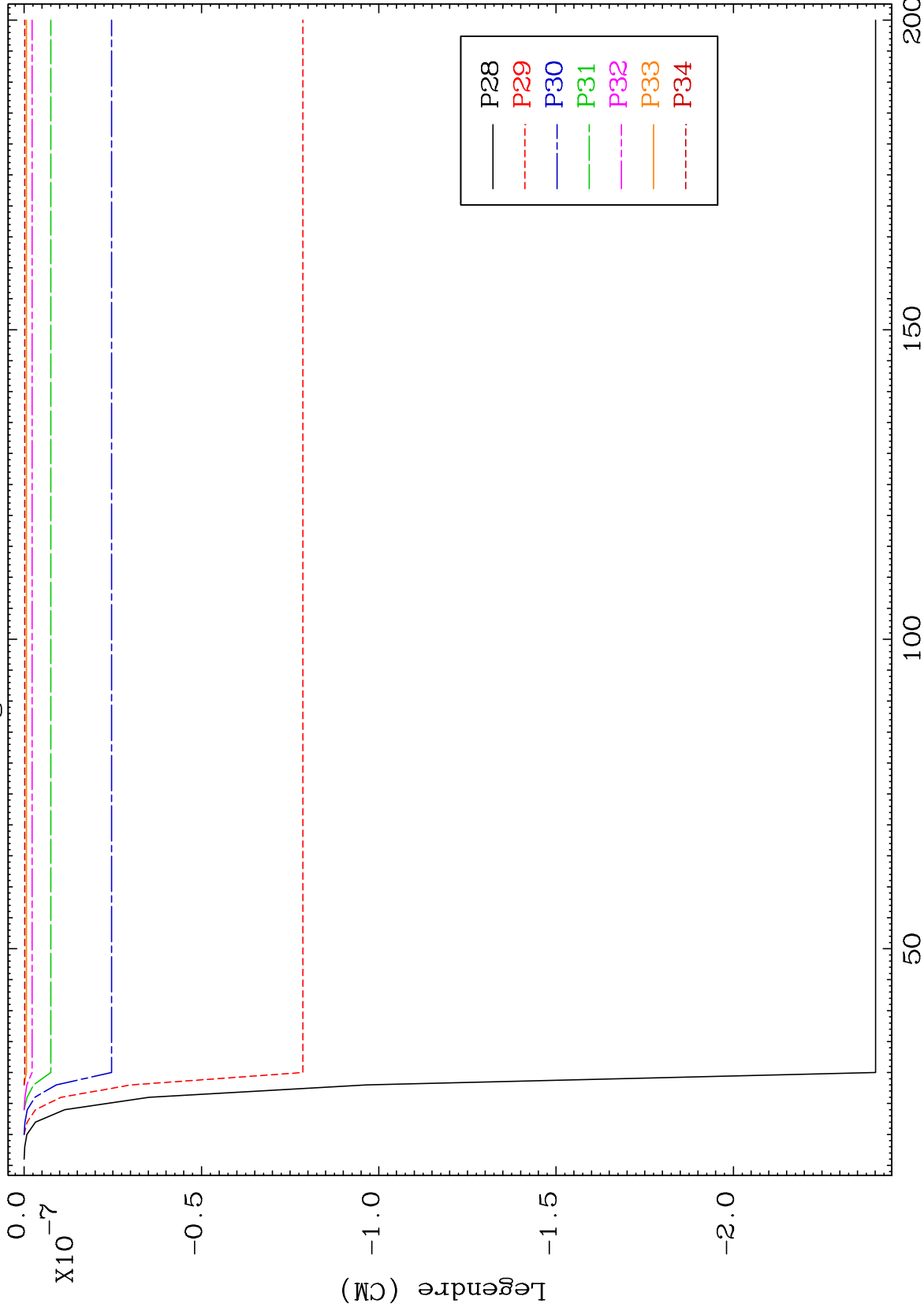
35-Br-72

MAT 3504

MT= 51 (n,n') Level  
Legendre Coefficients

35-Br-72

Incident Energy (MeV)



20

50

100

150

200

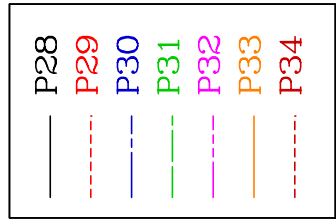
0.0  
 $\times 10^{-7}$

-0.5

-1.0

-1.5

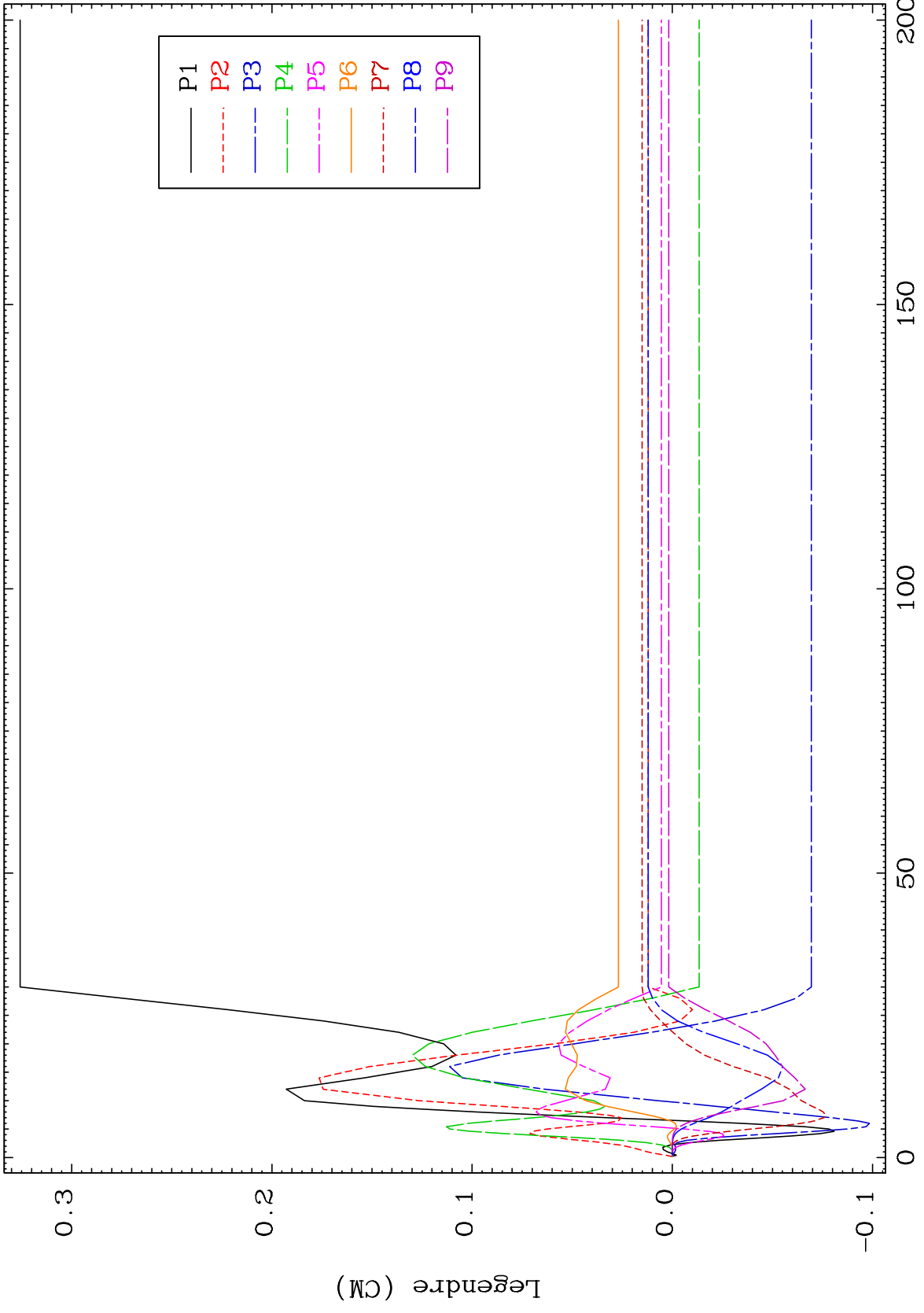
-2.0



MAT 3504

MT= 52 (n,n') Level  
Legendre Coefficients

35-Br-72



21

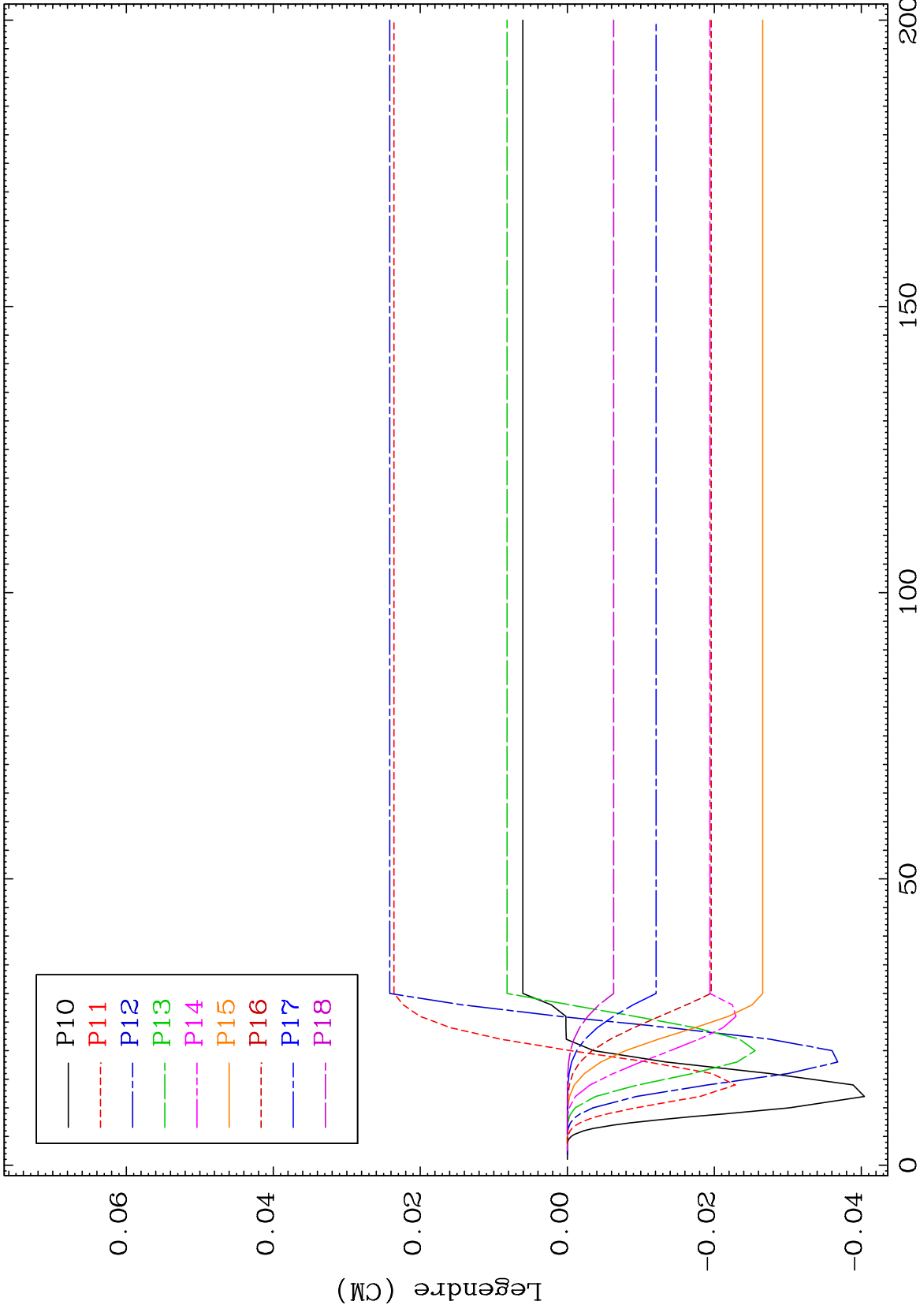
Incident Energy (MeV)

35-Br-72

MAT 3504

MT= 52 (n,n') Level  
Legendre Coefficients

35-Br-72



22

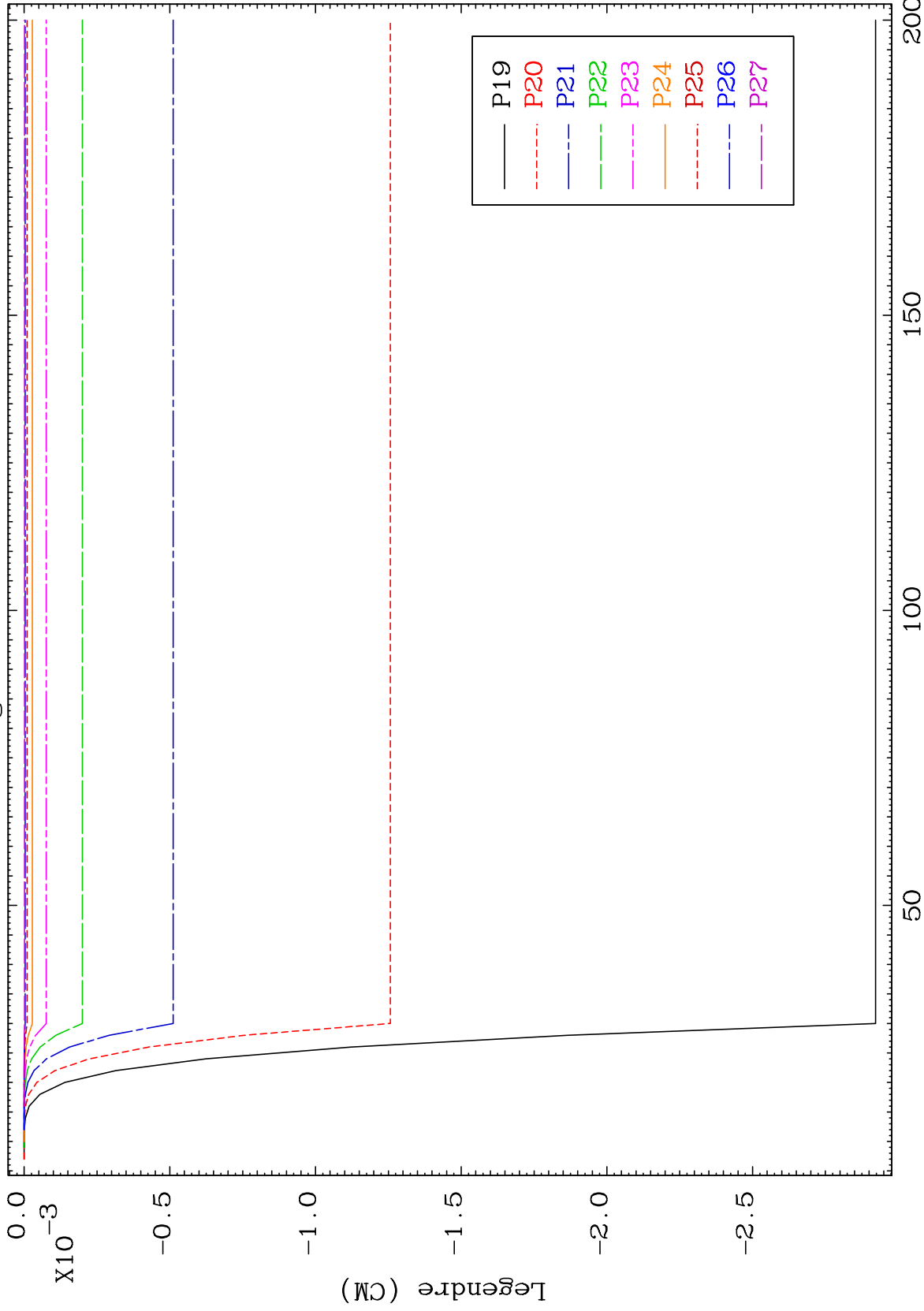
Incident Energy (MeV)

35-Br-72

MAT 3504

MT= 52 (n,n') Level  
Legendre Coefficients

35-Br-72

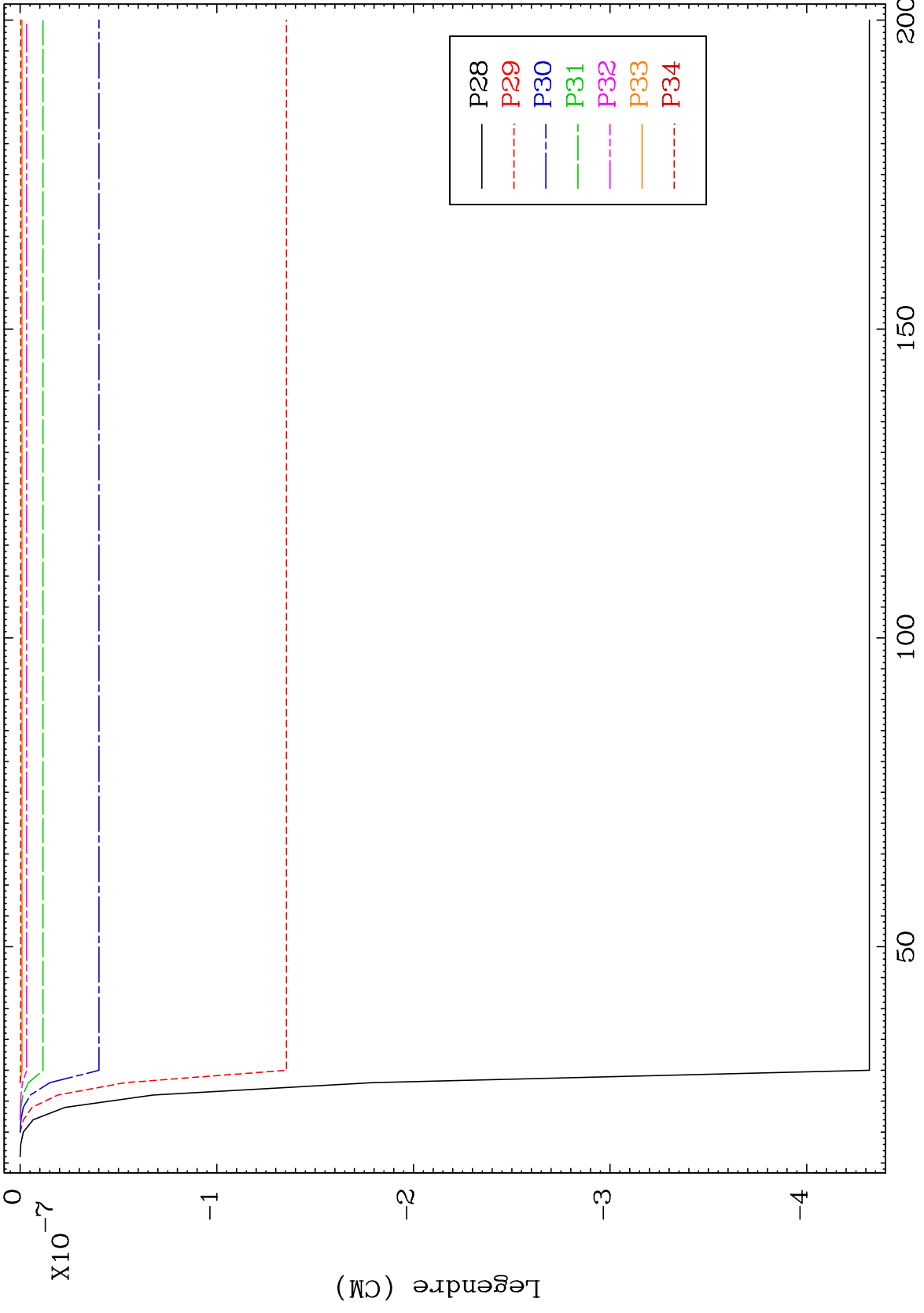


35-Br-72

Incident Energy (MeV)

33

MAT 3504 MT= 52 (n,n') Level Legendre Coefficients 35-Br-72

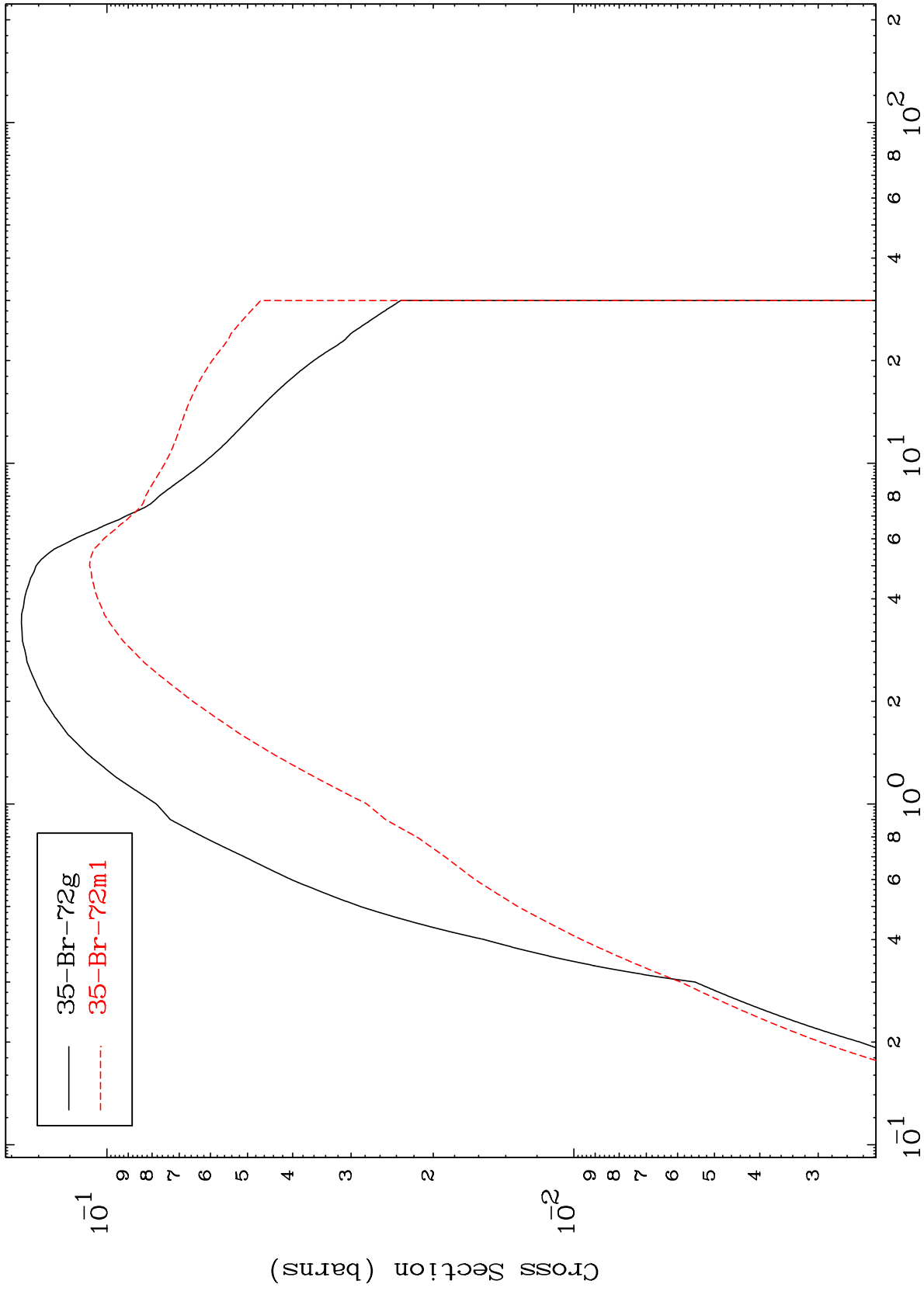


24 Incident Energy (MeV) 35-Br-72

MAT 3504

# Inelastic Radionuclide Production Cross Section

35-Br-72



— 35-Br-72g  
- - - 35-Br-72m1

25

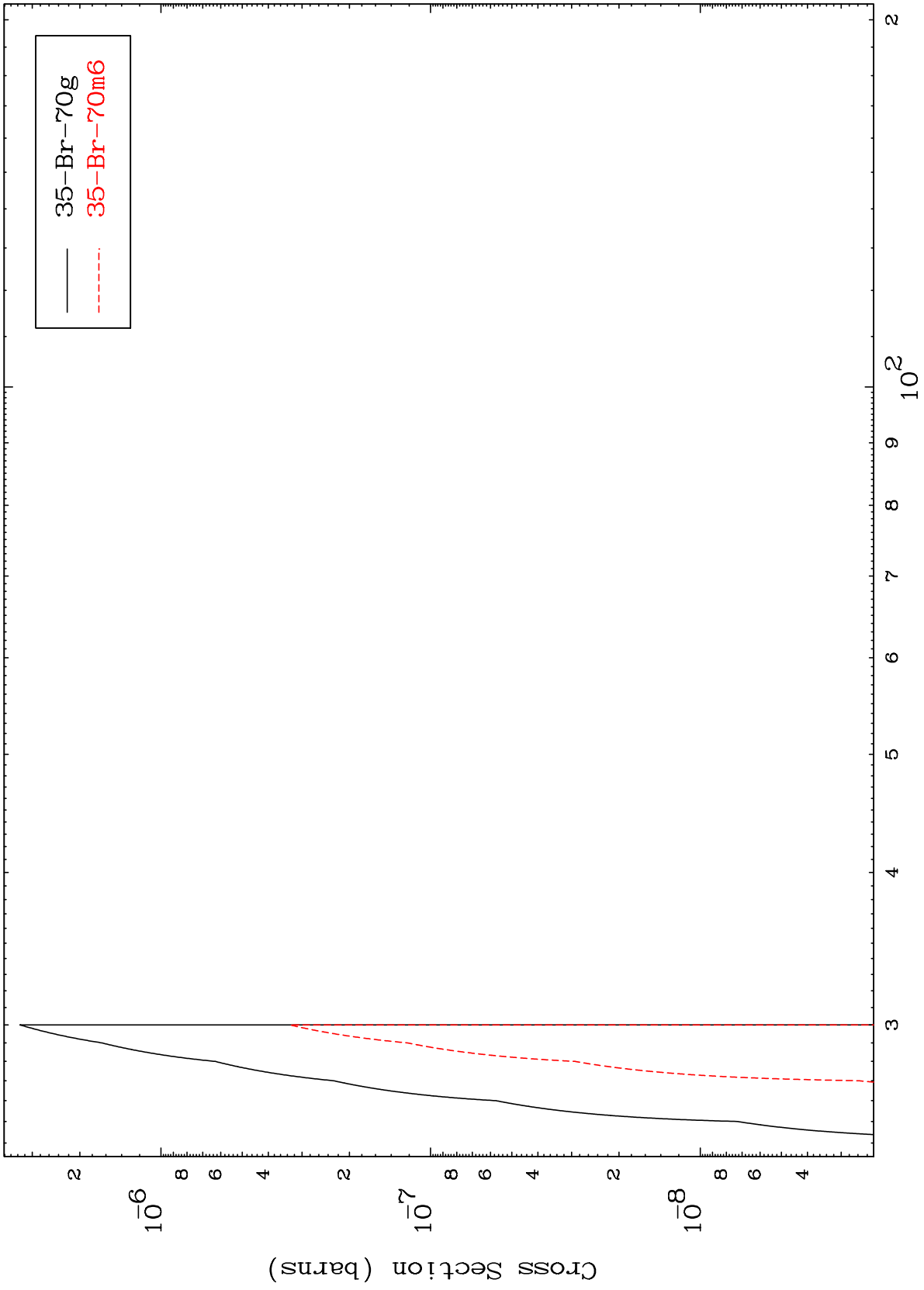
Incident Energy (MeV)

35-Br-72

MAT 3504

<sup>35</sup>Br-72

(n,3n)  
Radionuclide Production Cross Section



26

<sup>35</sup>Br-72