

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

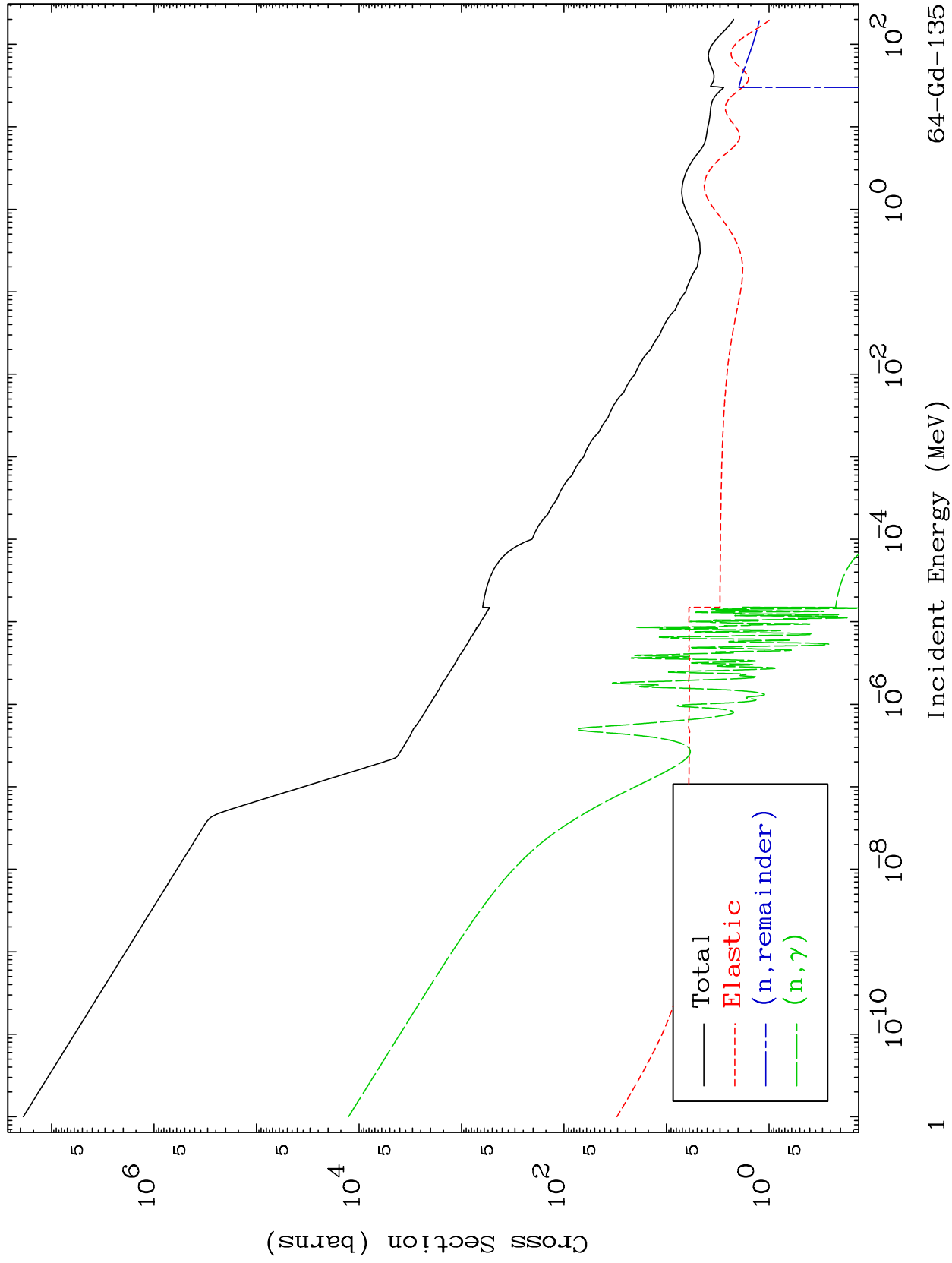
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6374

Major  
293 Kelvin Cross Sections

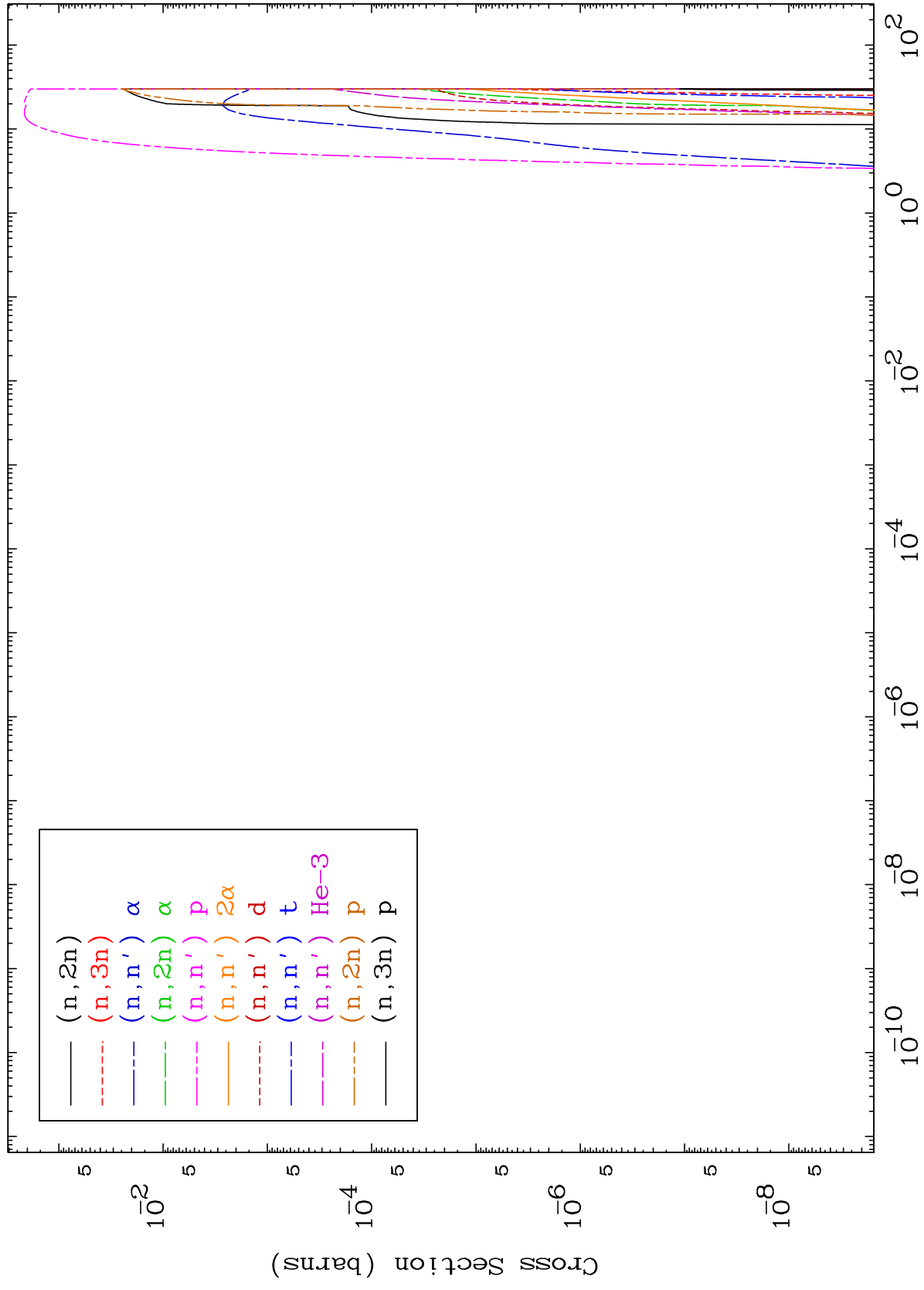
64-Gd-135



MAT 6374

Neutron Production  
293 Kelvin Cross Sections

64-Gd-135

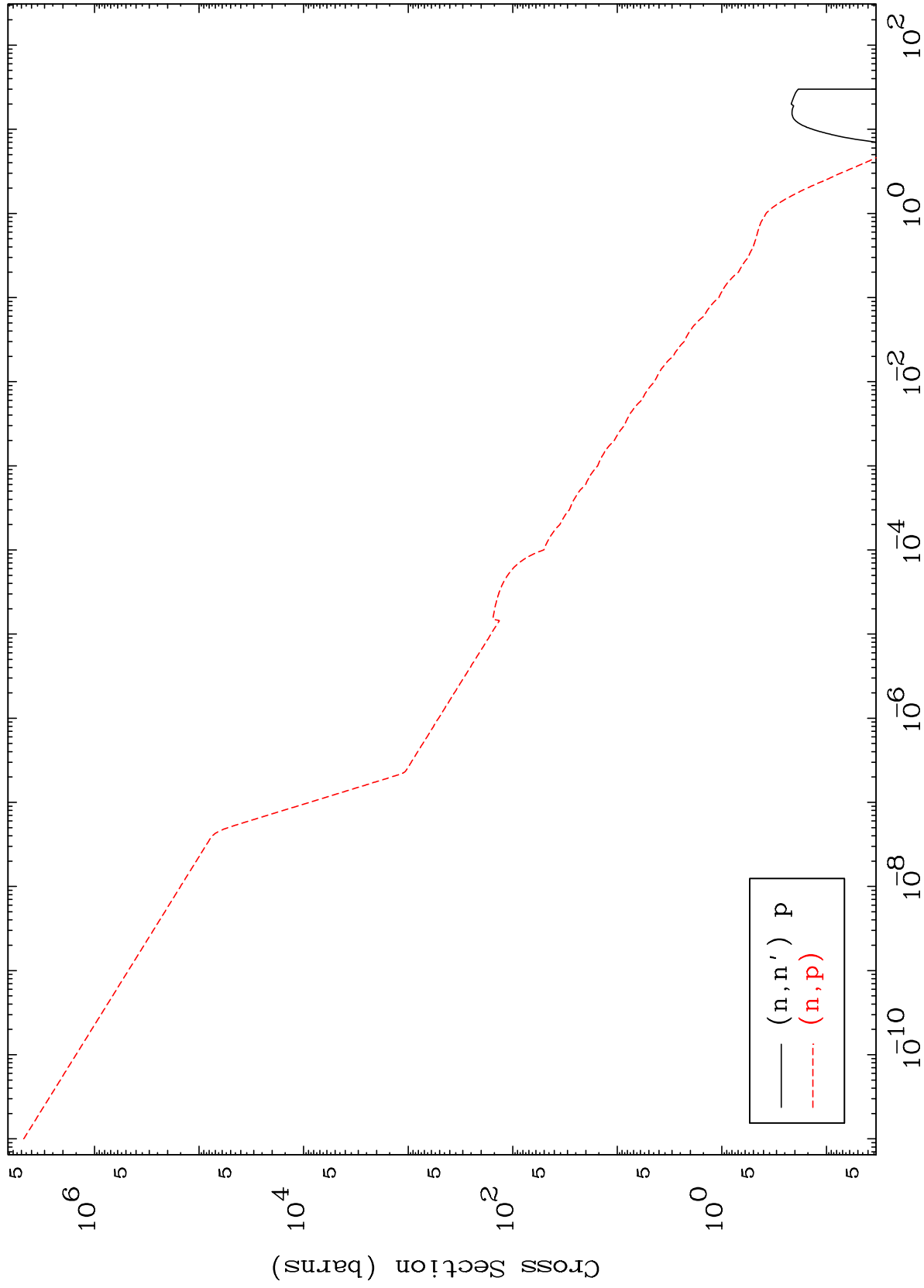


64-Gd-135

MAT 6374

Charged Particle  
293 Kelvin Cross Sections

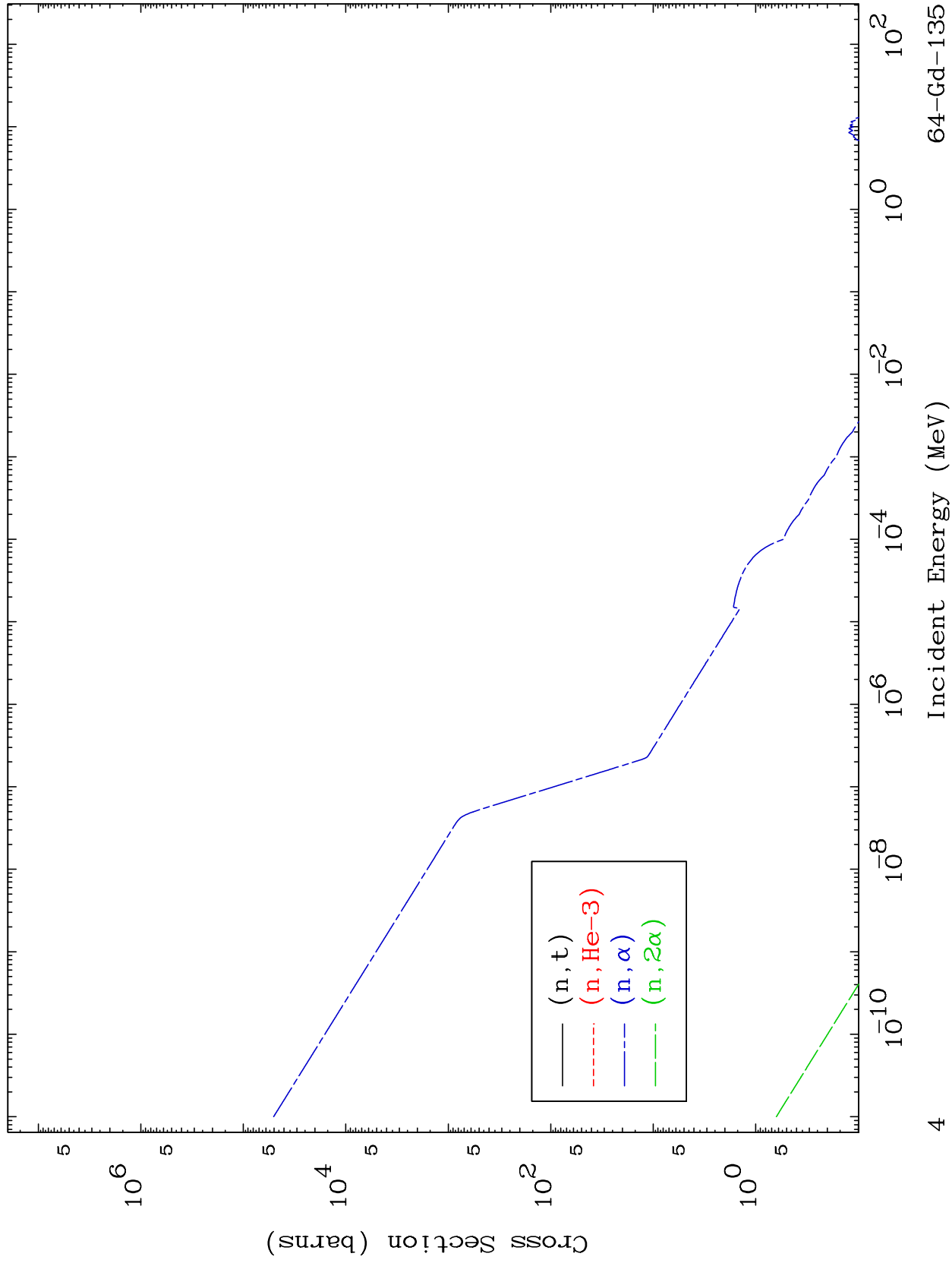
64-Gd-135



3

Incident Energy (MeV)

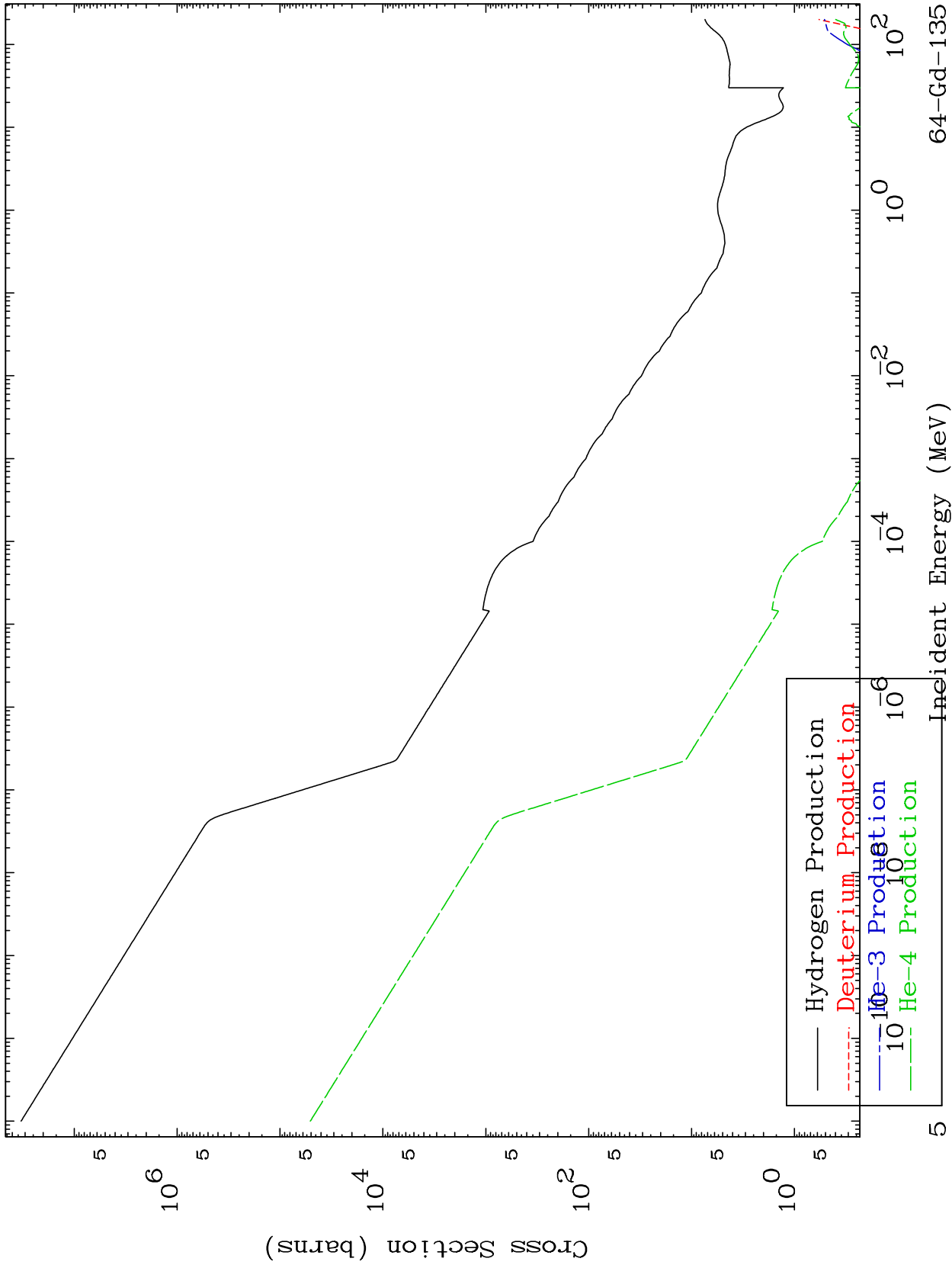
64-Gd-135



MAT 6374

Particle Production  
293 Kelvin Cross Sections

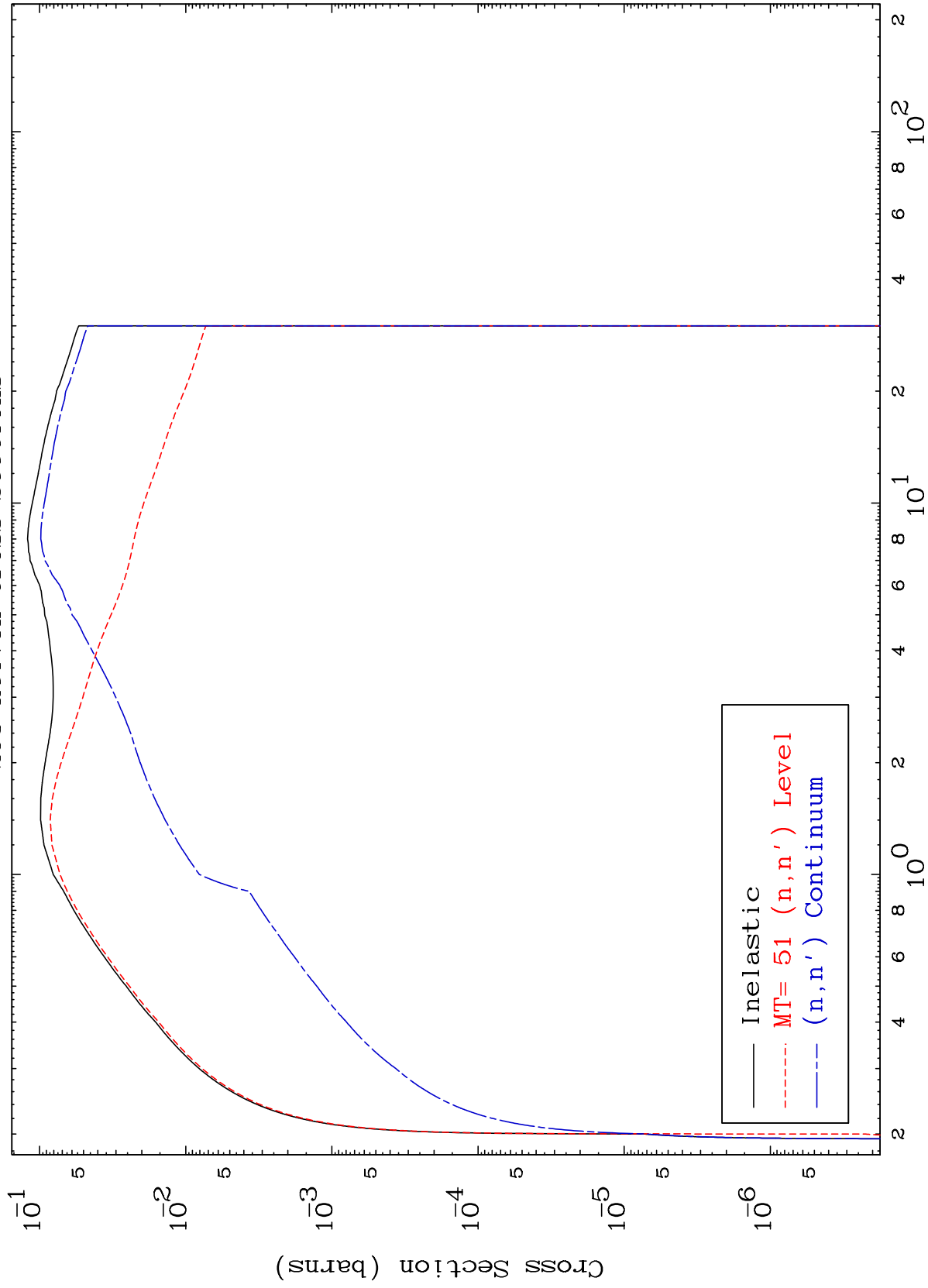
64-Gd-135



MAT 6374

293 Kelvin Cross Sections  
(n,n') Level

64-Gd-135



6

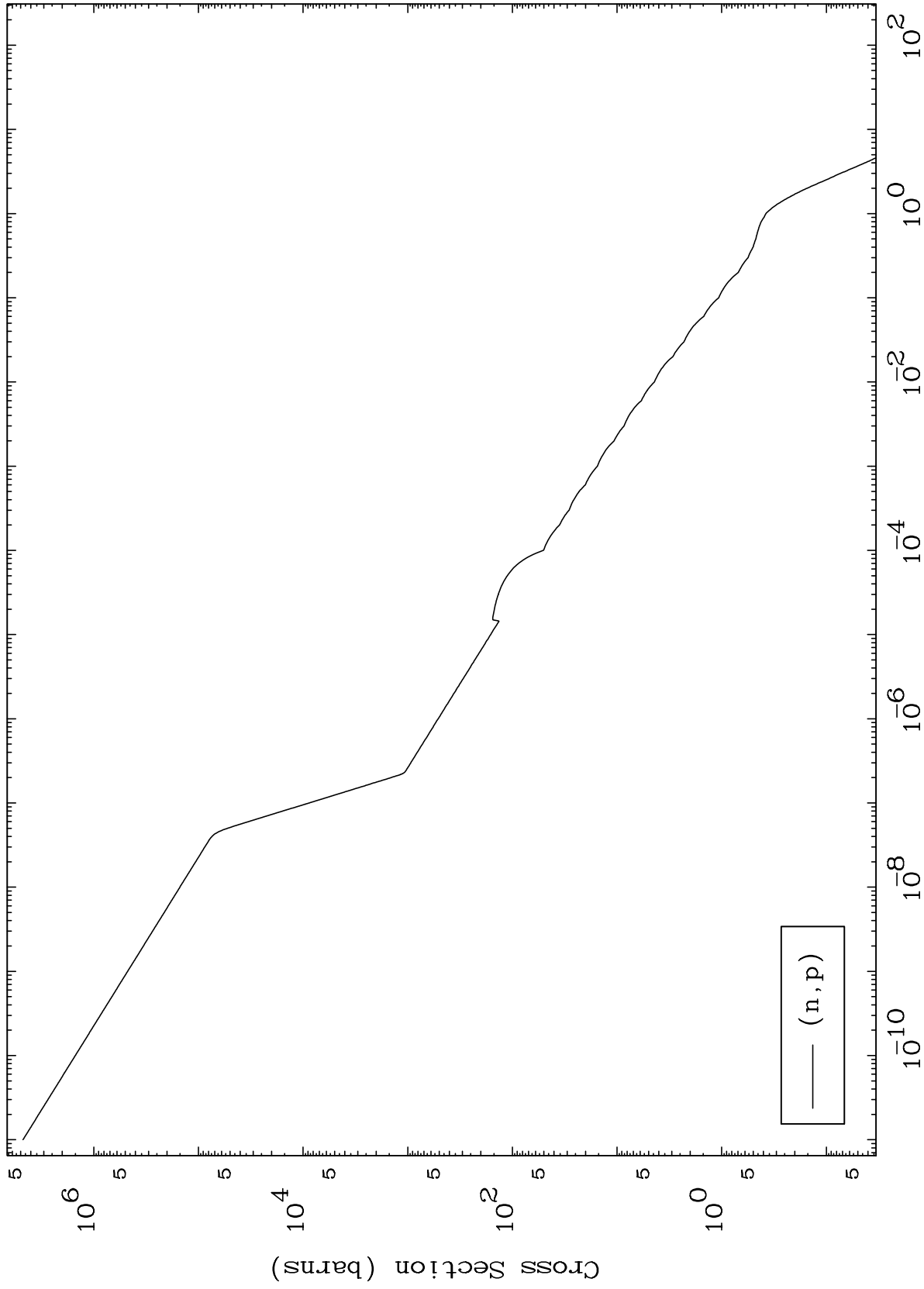
Incident Energy (MeV)

64-Gd-135

MAT 6374

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-135

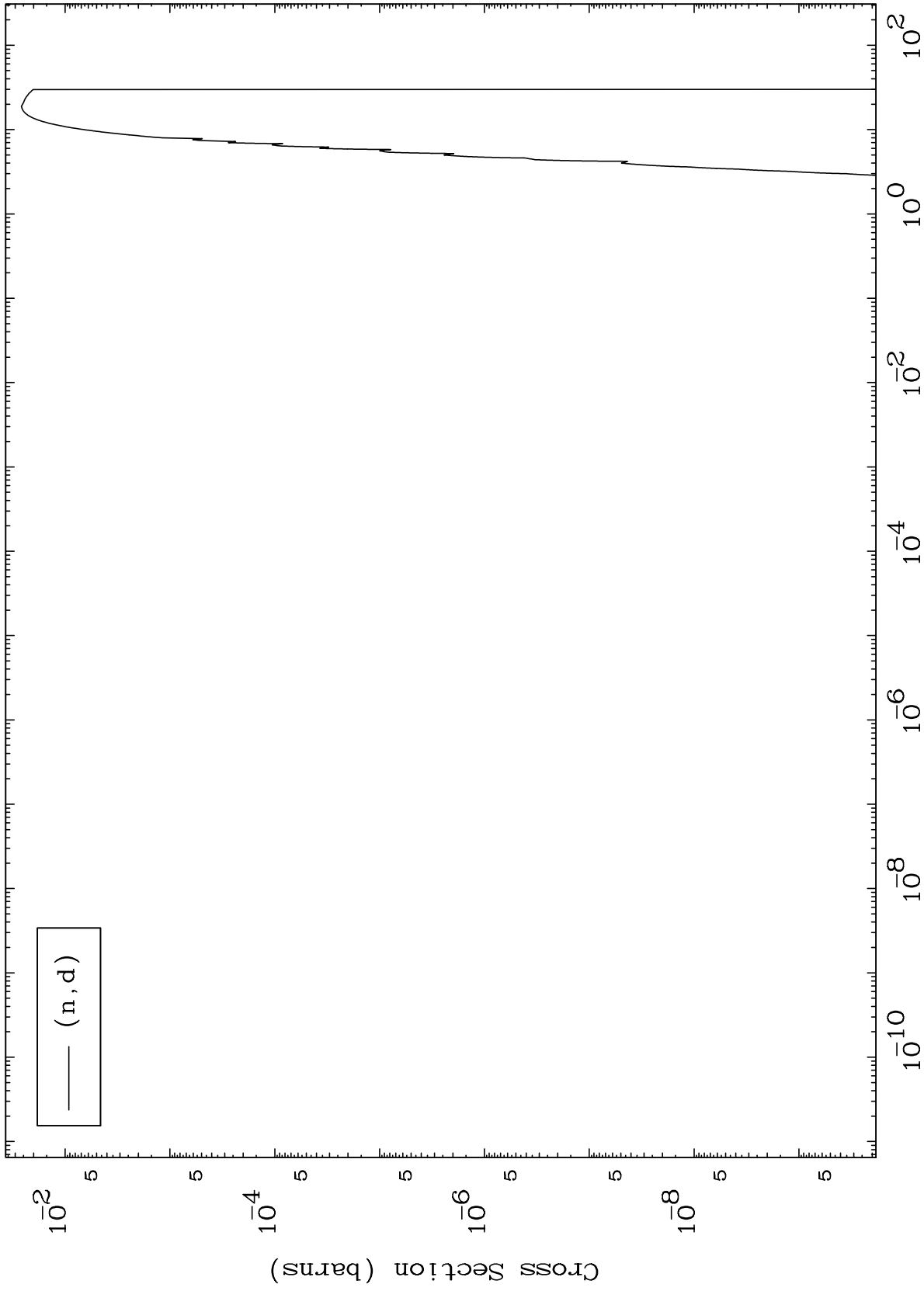




MAT 6374

(n,d) Levels  
293 Kelvin Cross Sections

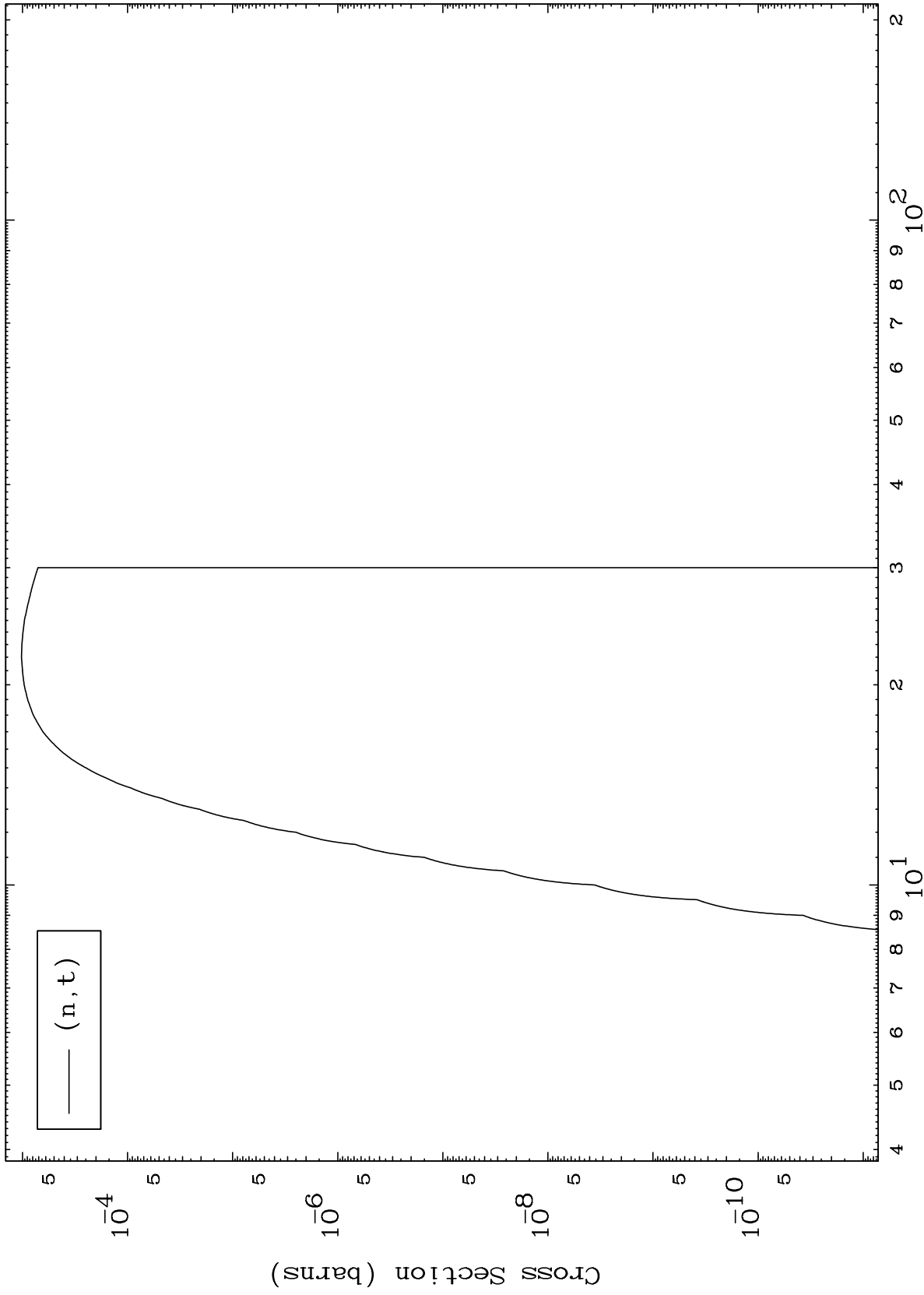
64-Gd-135



MAT 6374

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-135



9

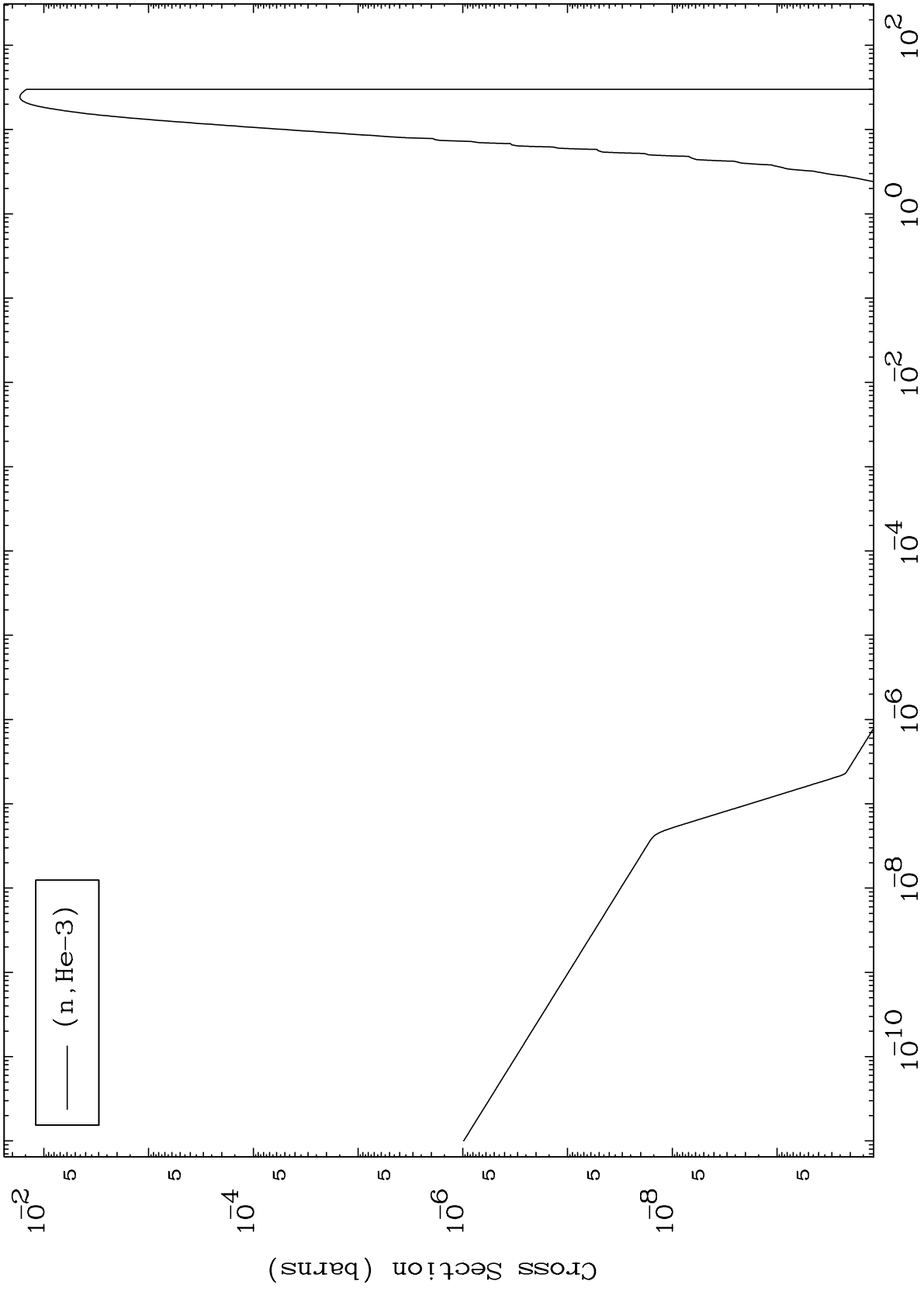
Incident Energy (MeV)

64-Gd-135

MAT 6374

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-135



64-Gd-135

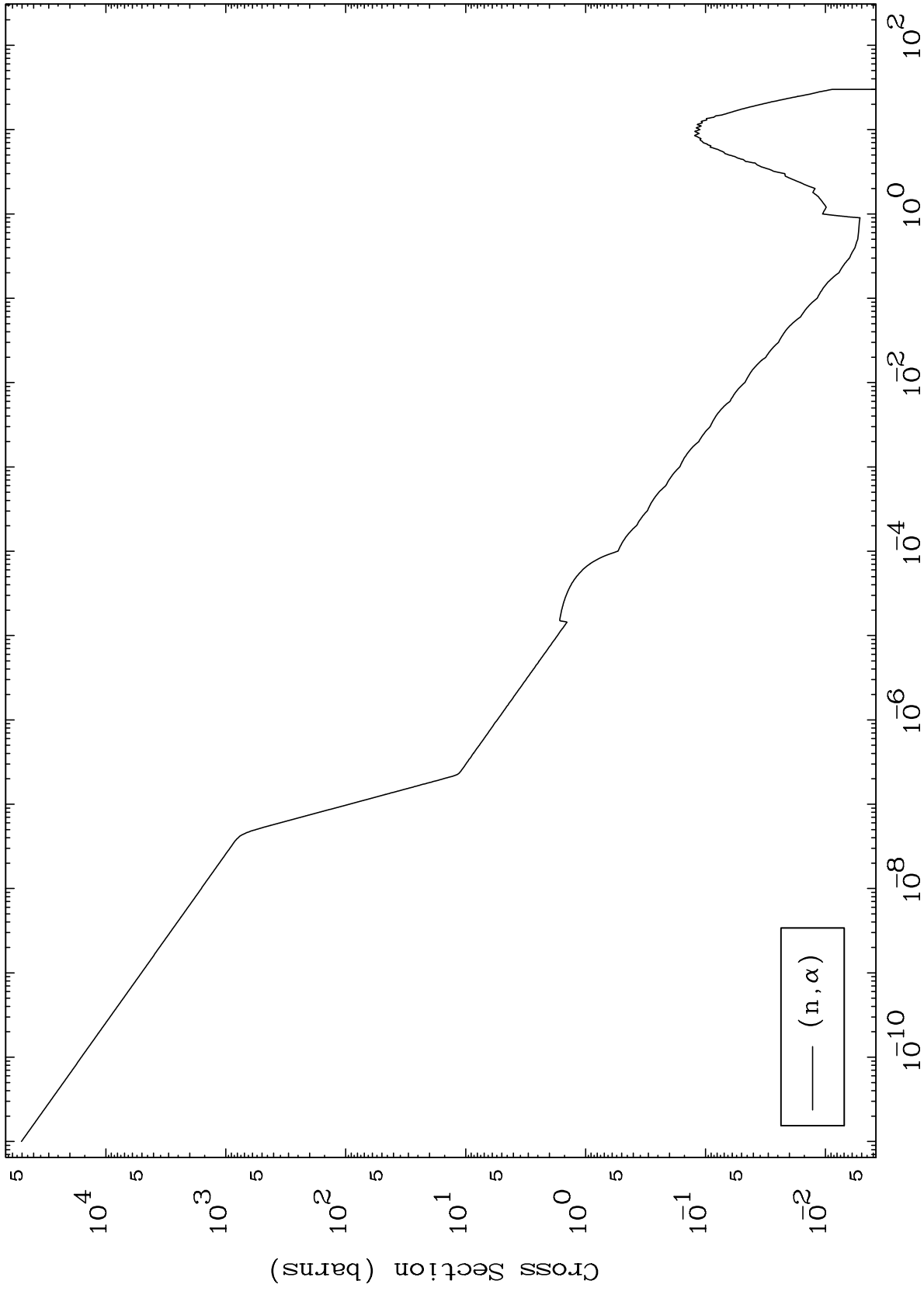
Incident Energy (MeV)

10

MAT 6374

(n,α) Levels  
293 Kelvin Cross Sections

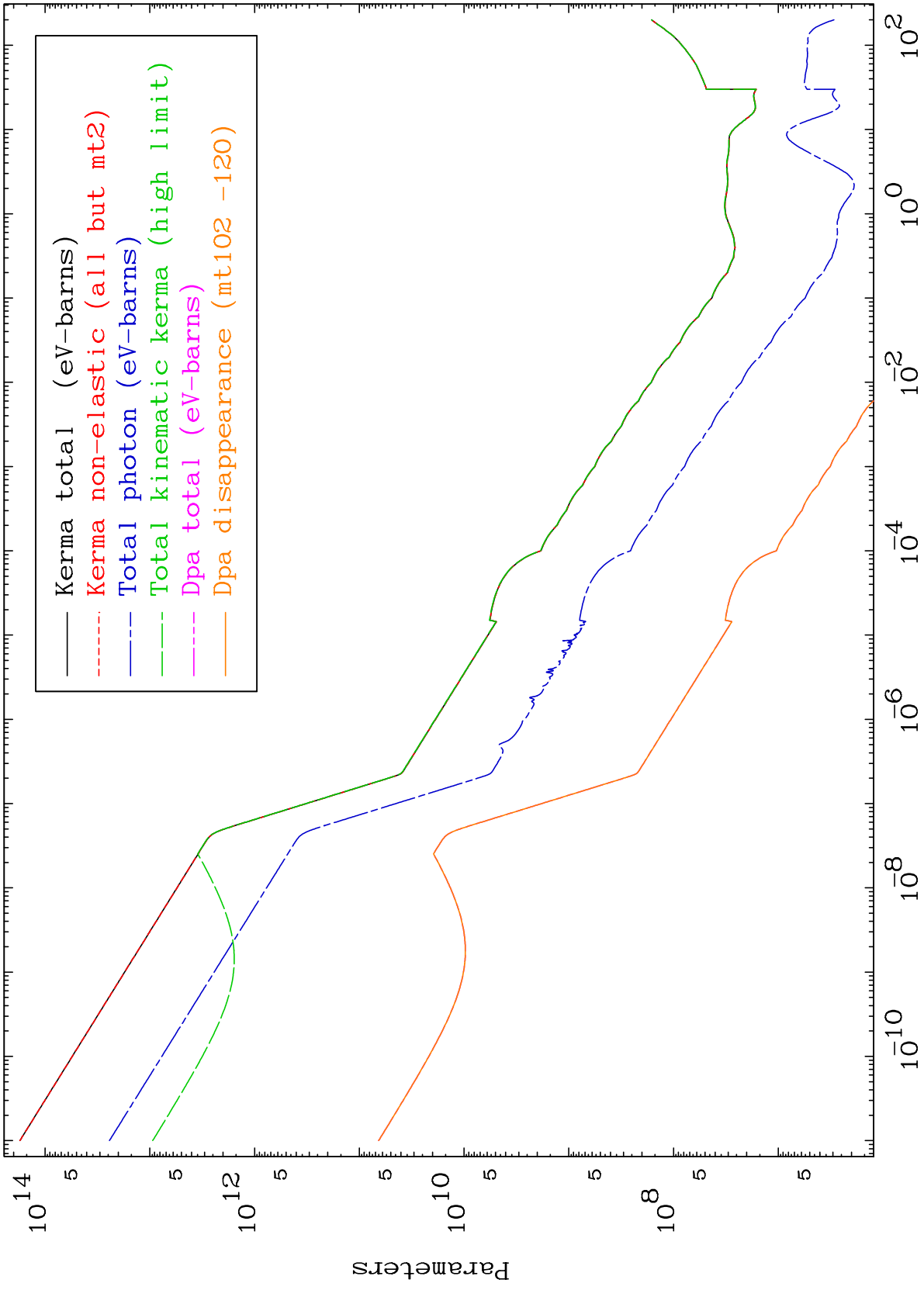
64-Gd-135



11

Incident Energy (MeV)

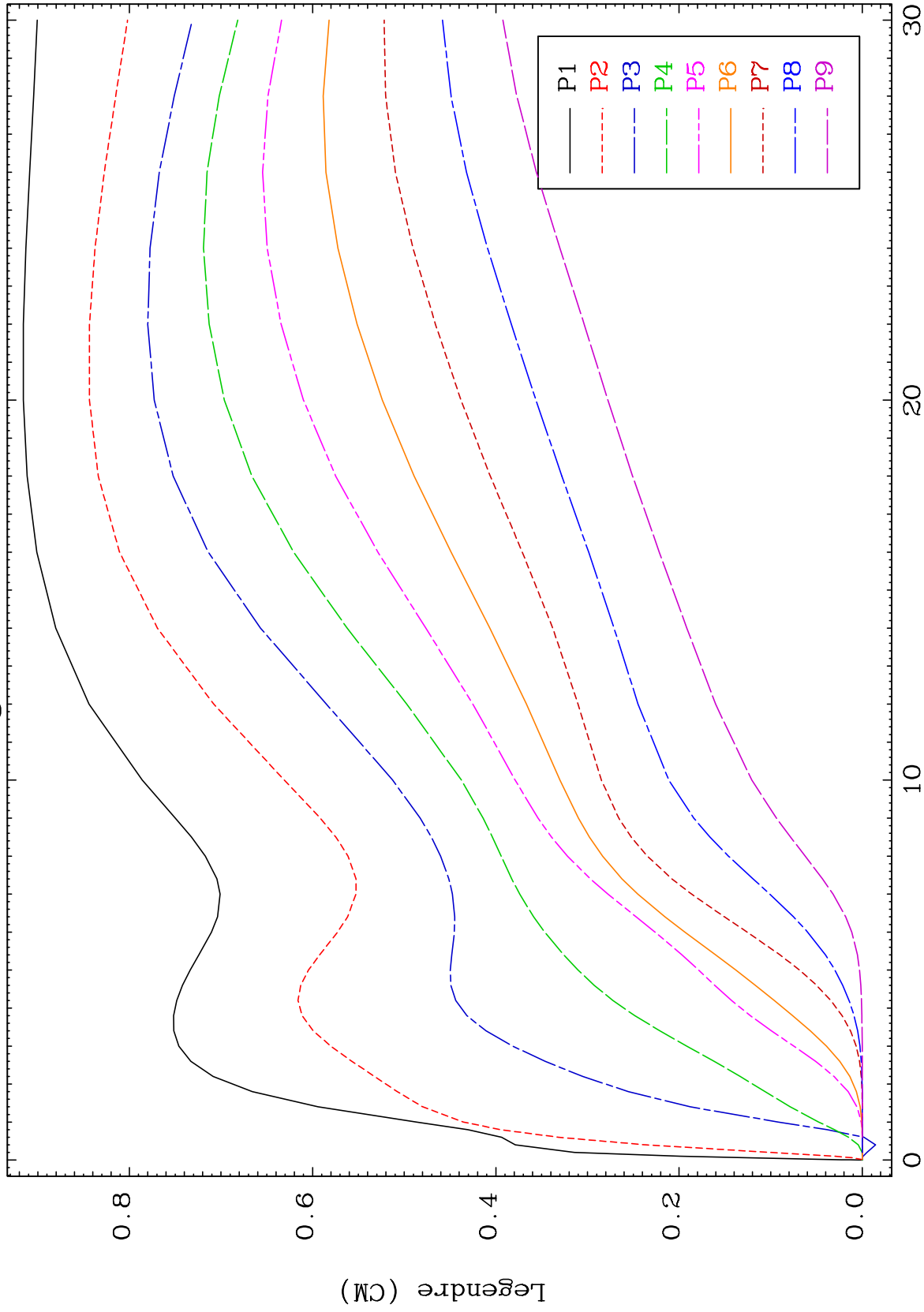
64-Gd-135



MAT 6374

Elastic Legendre Coefficients

64-Gd-135



13

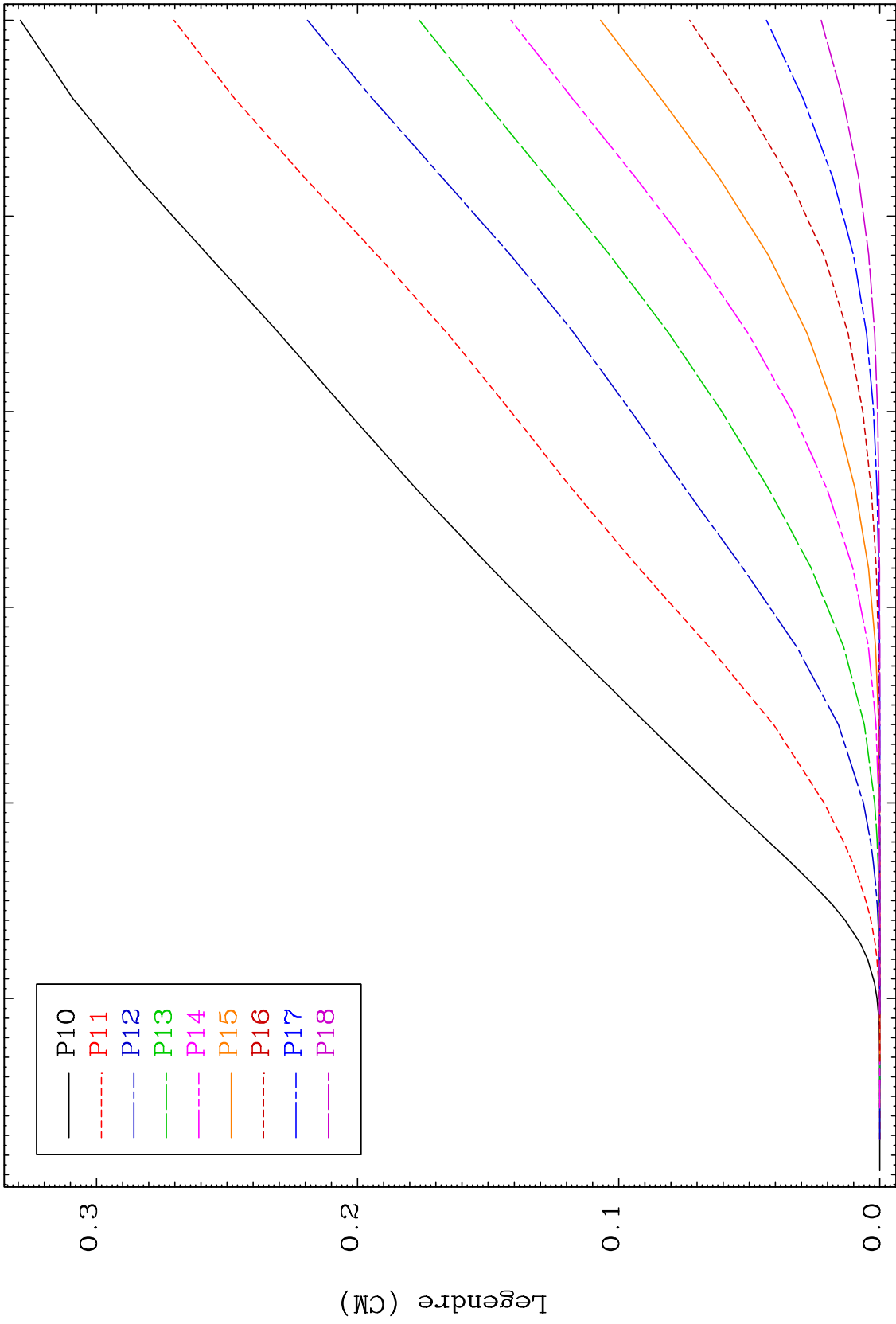
Incident Energy (MeV)

64-Gd-135

MAT 6374

Elastic Legendre Coefficients

64-Gd-135



14

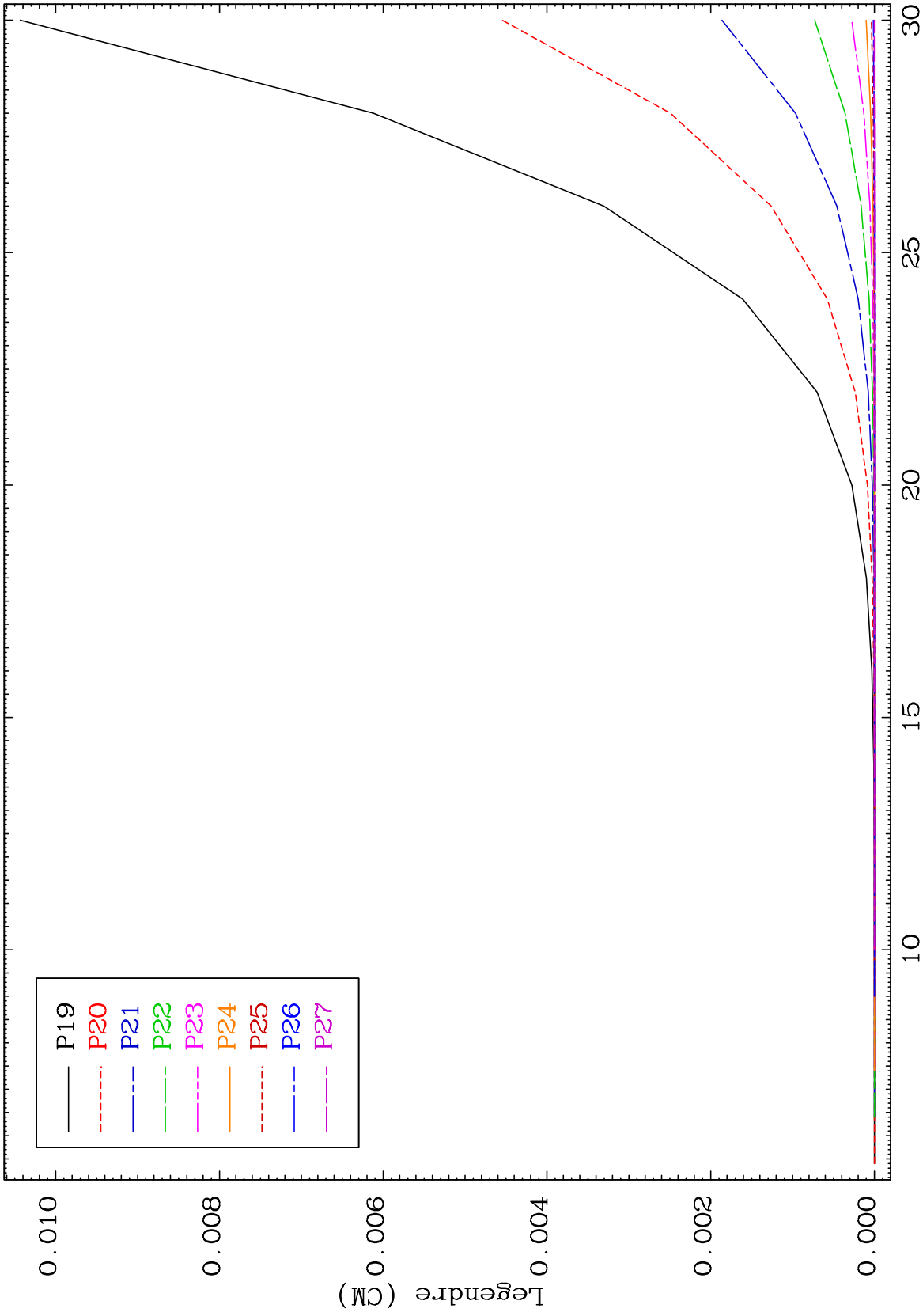
Incident Energy (MeV)

64-Gd-135

MAT 6374

### Elastic Legendre Coefficients

64-Gd-135



15

Incident Energy (MeV)

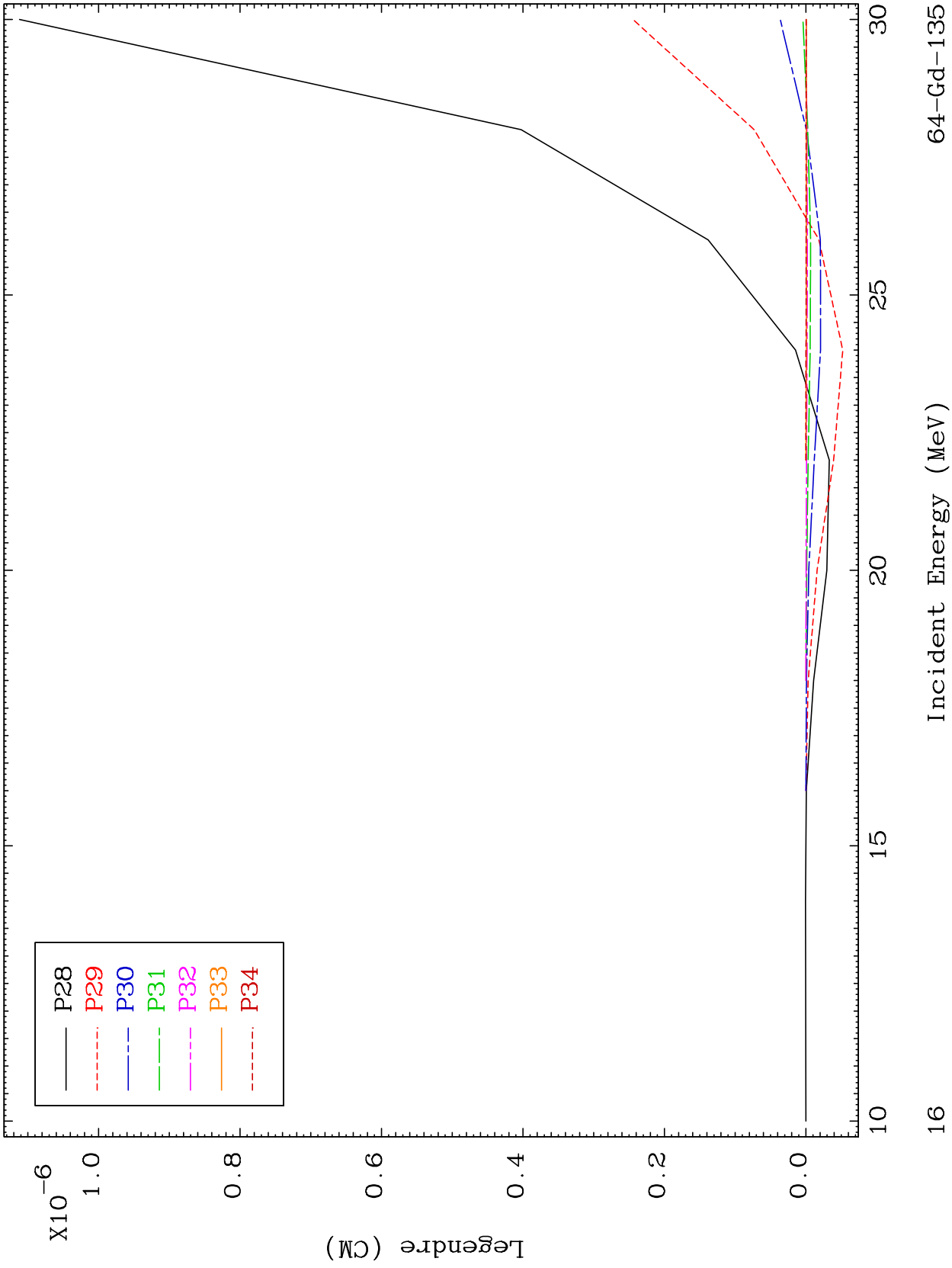
64-Gd-135



MAT 6374

Elastic Legendre Coefficients

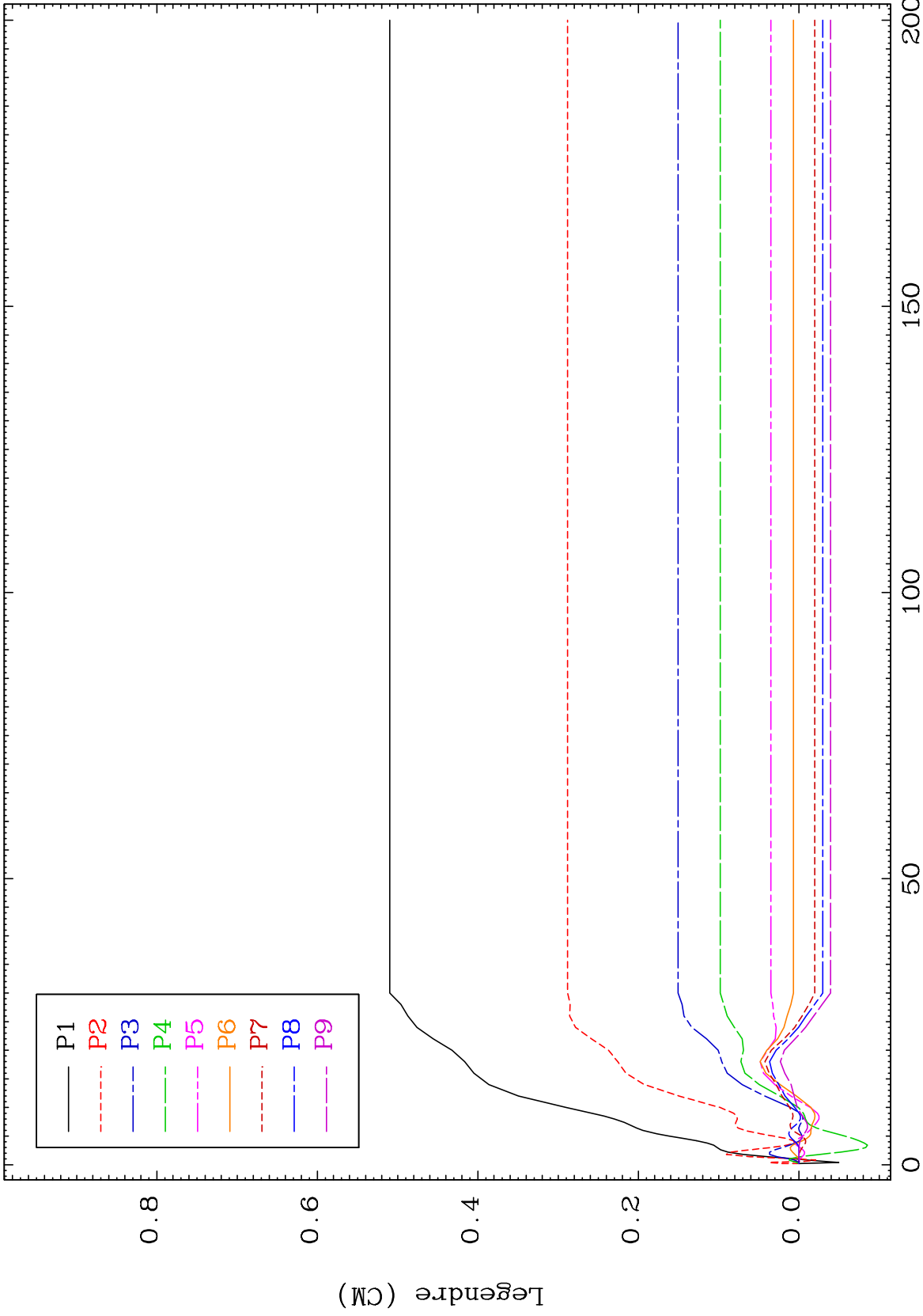
64-Gd-135



MAT 6374

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

64-Gd-135



17

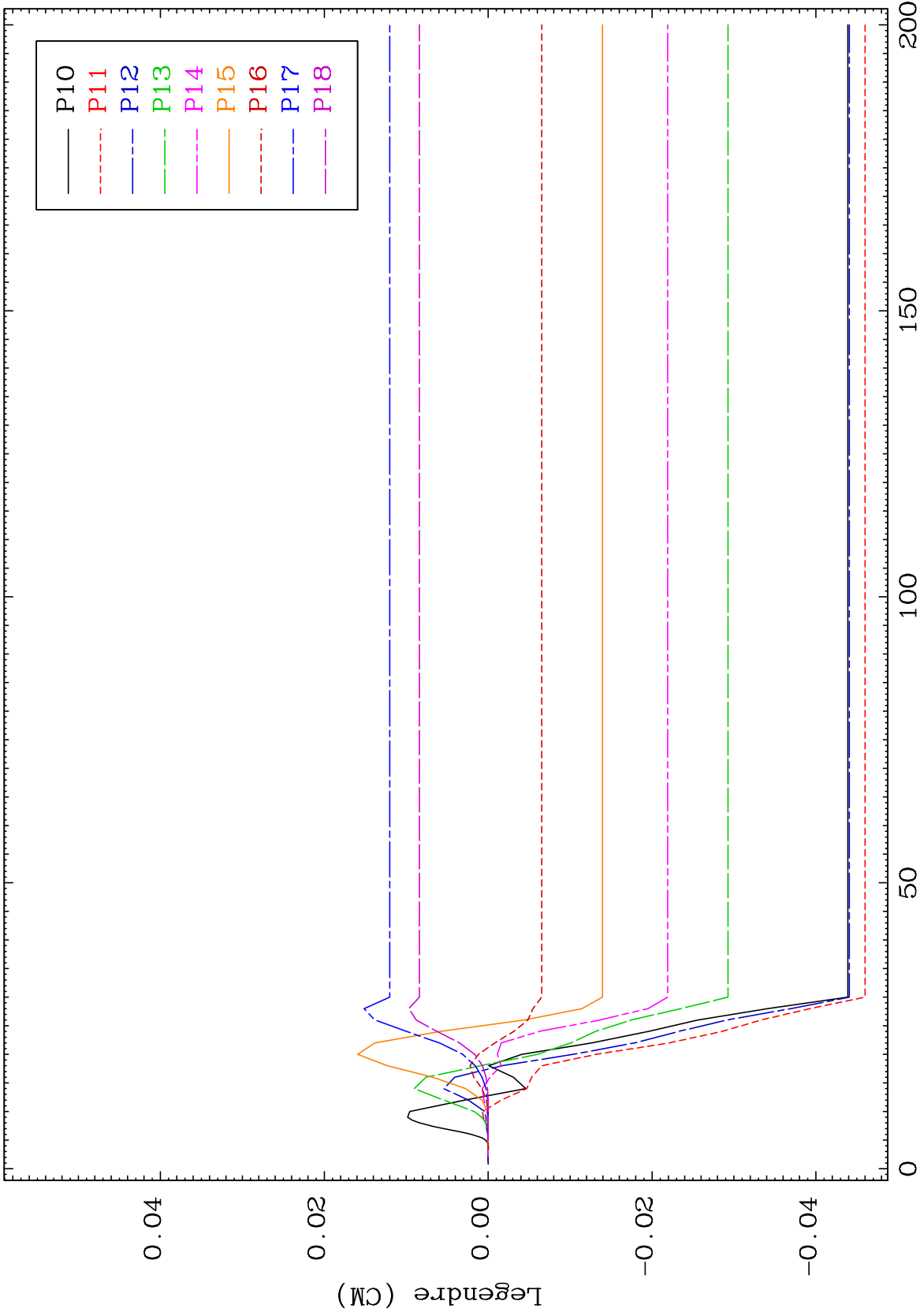
Incident Energy (MeV)

64-Gd-135

MAT 6374

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

64-Gd-135



18

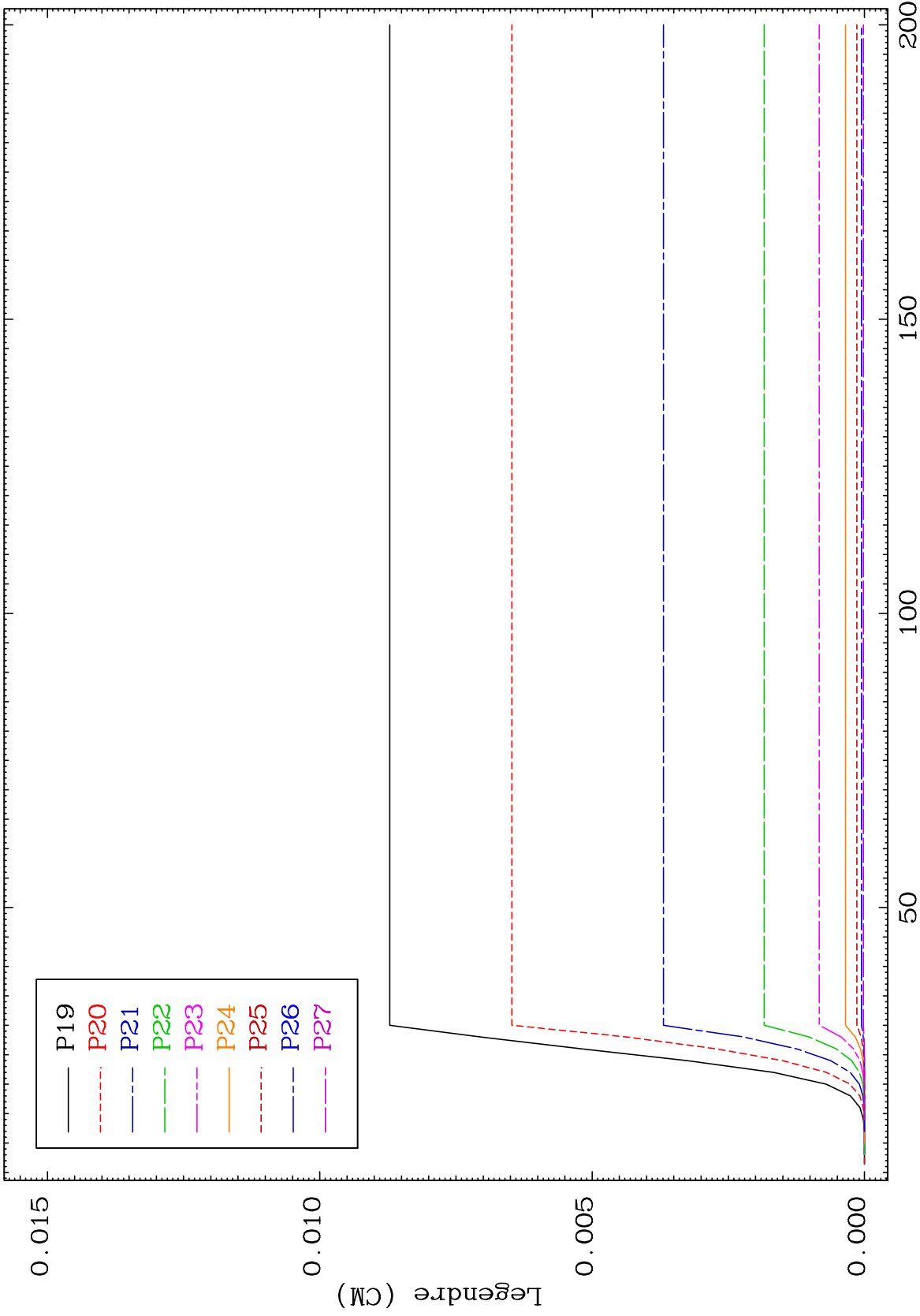
Incident Energy (MeV)

64-Gd-135

MAT 6374

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

64-Gd-135



19

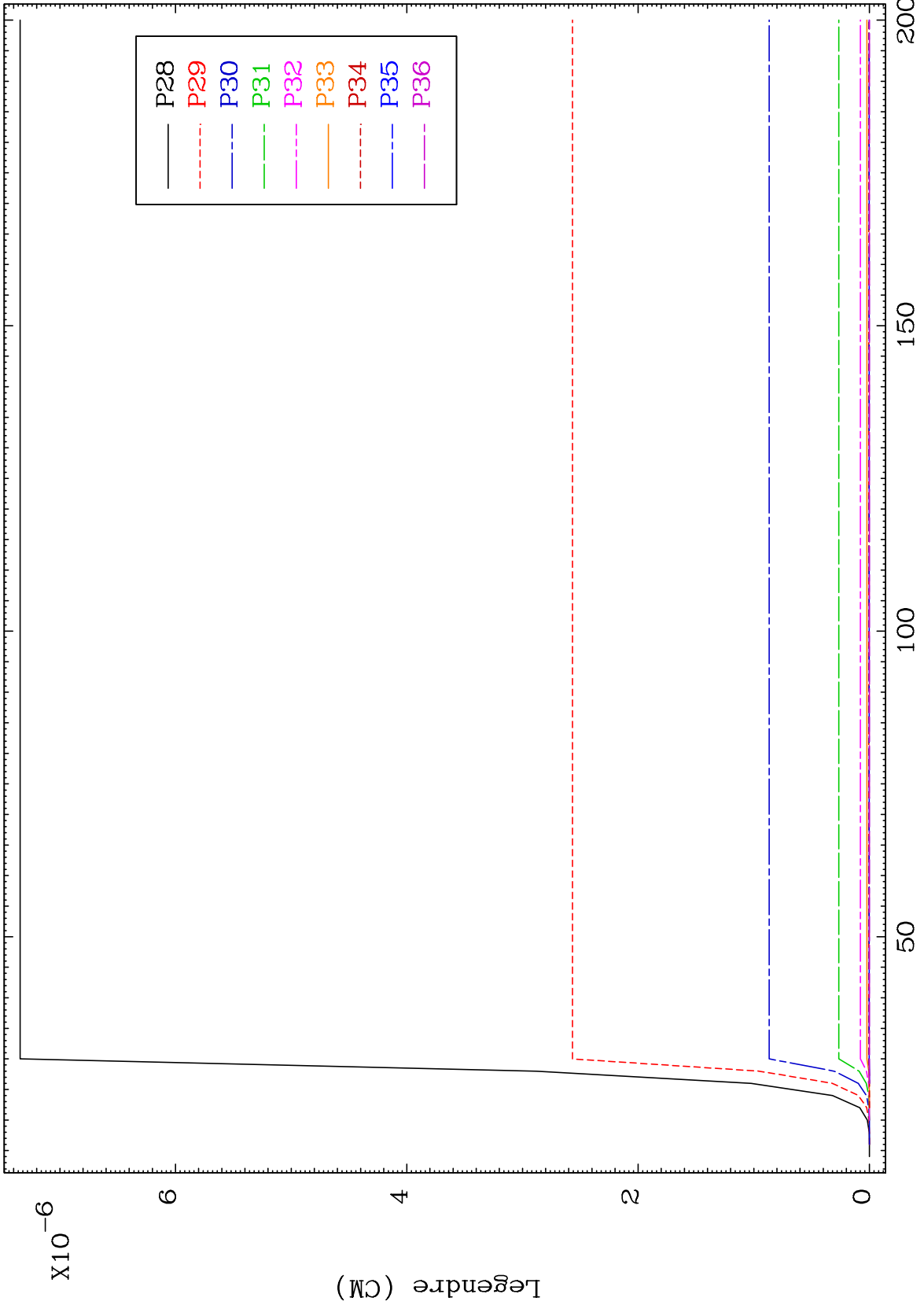
Incident Energy (MeV)

64-Gd-135

MAT 6374

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

64-Gd-135



20

50

100

150

200

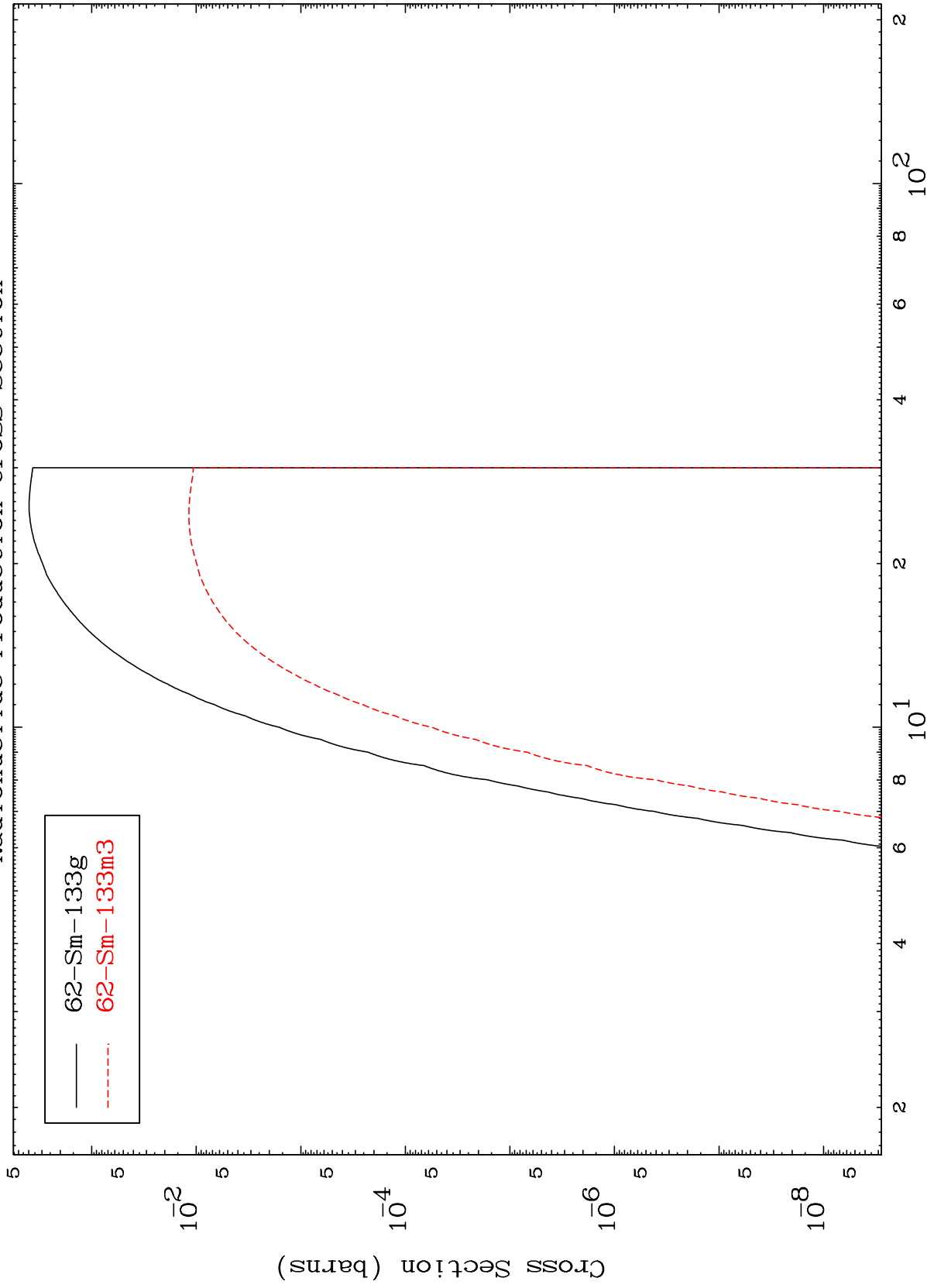
64-Gd-135

MAT 6374

(n,2n) p

64-Gd-135

Radionuclide Production Cross Section



21

Incident Energy (MeV)

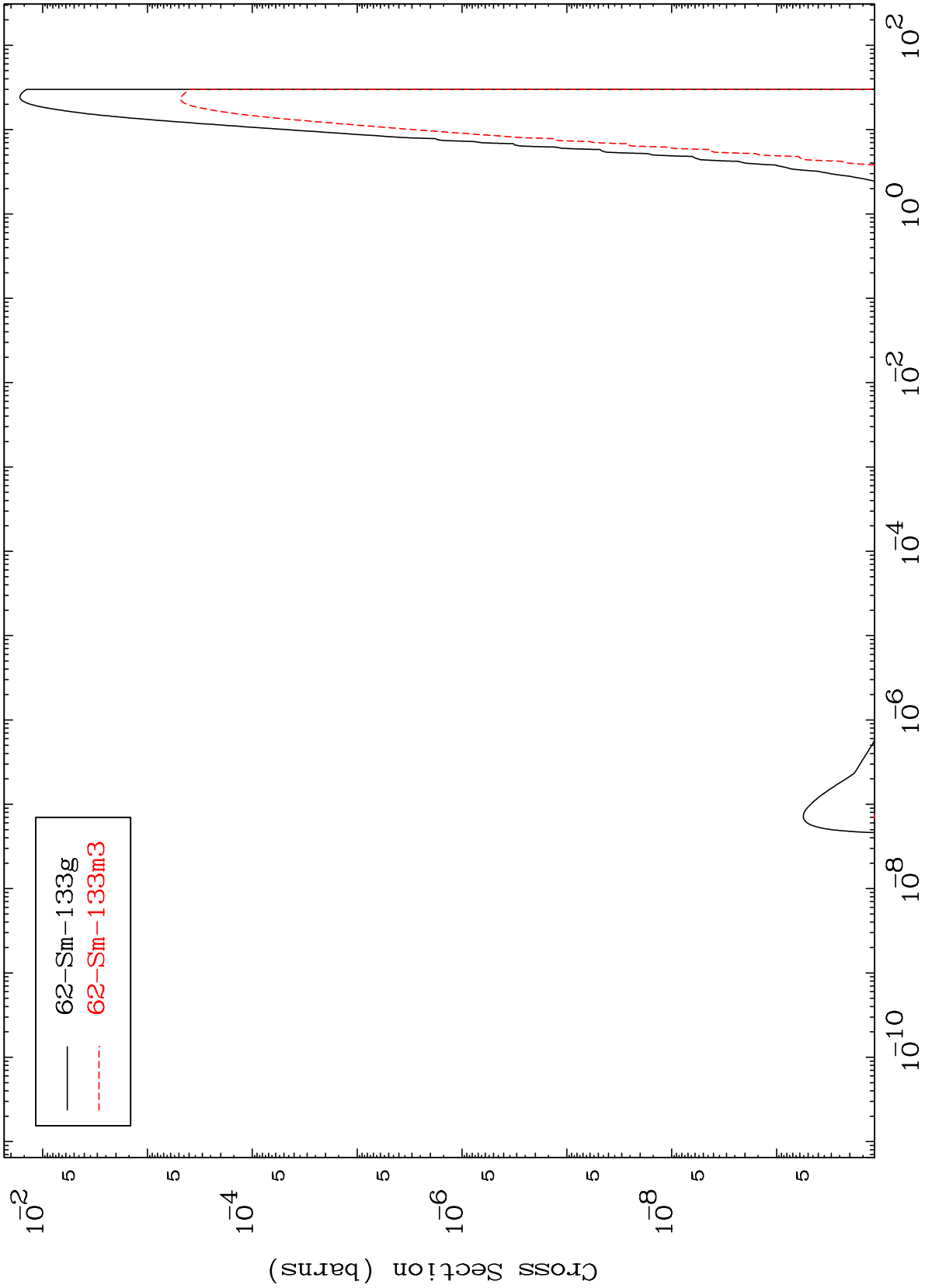
64-Gd-135

MAT 6374

(n, He-3)

64-Gd-135

Radionuclide Production Cross Section

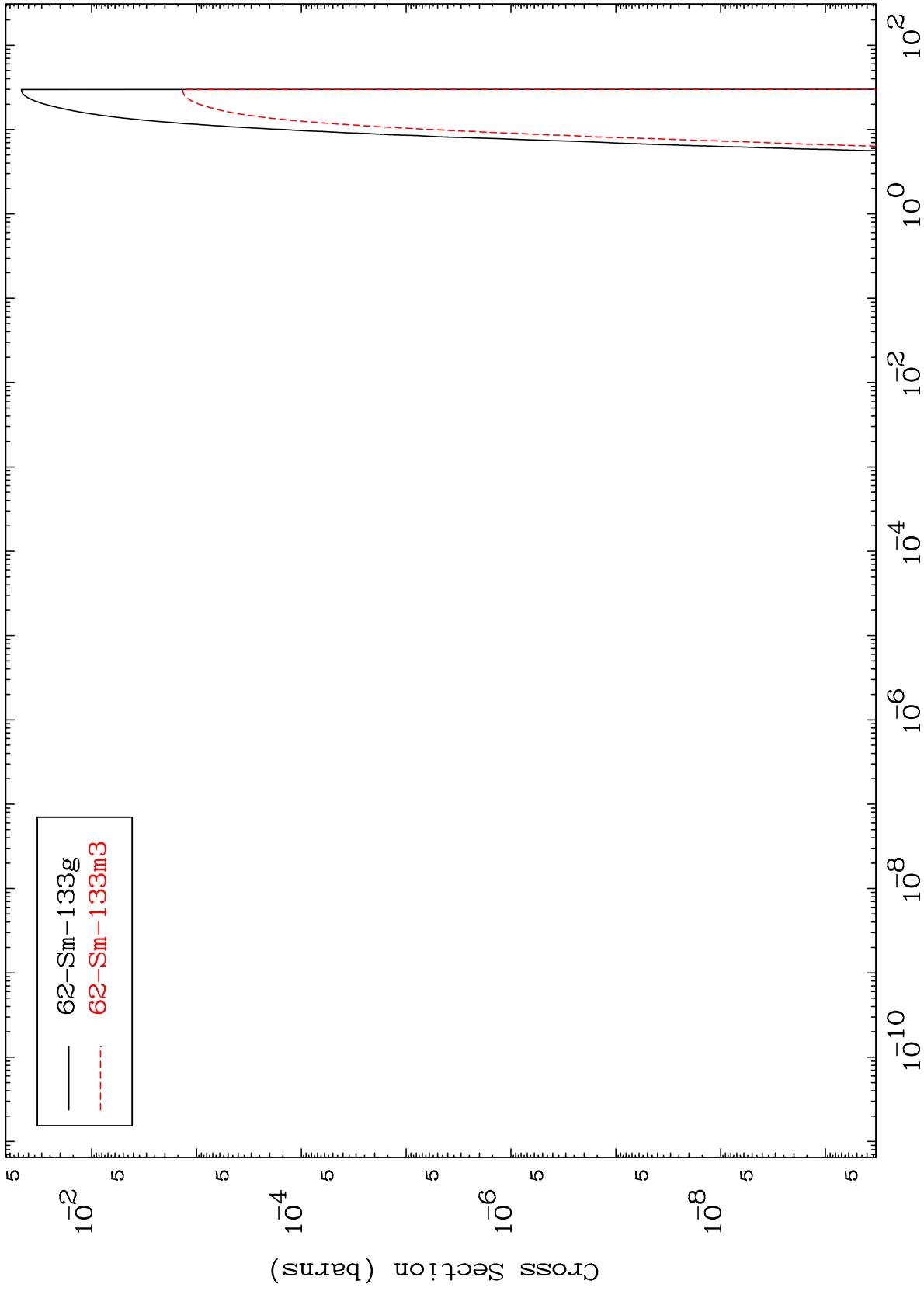


MAT 6374

(n,p) d

64-Gd-135

Radionuclide Production Cross Section



23

Incident Energy (MeV)

64-Gd-135