

Program EVALPLOT  
(Version 2017-1)

by

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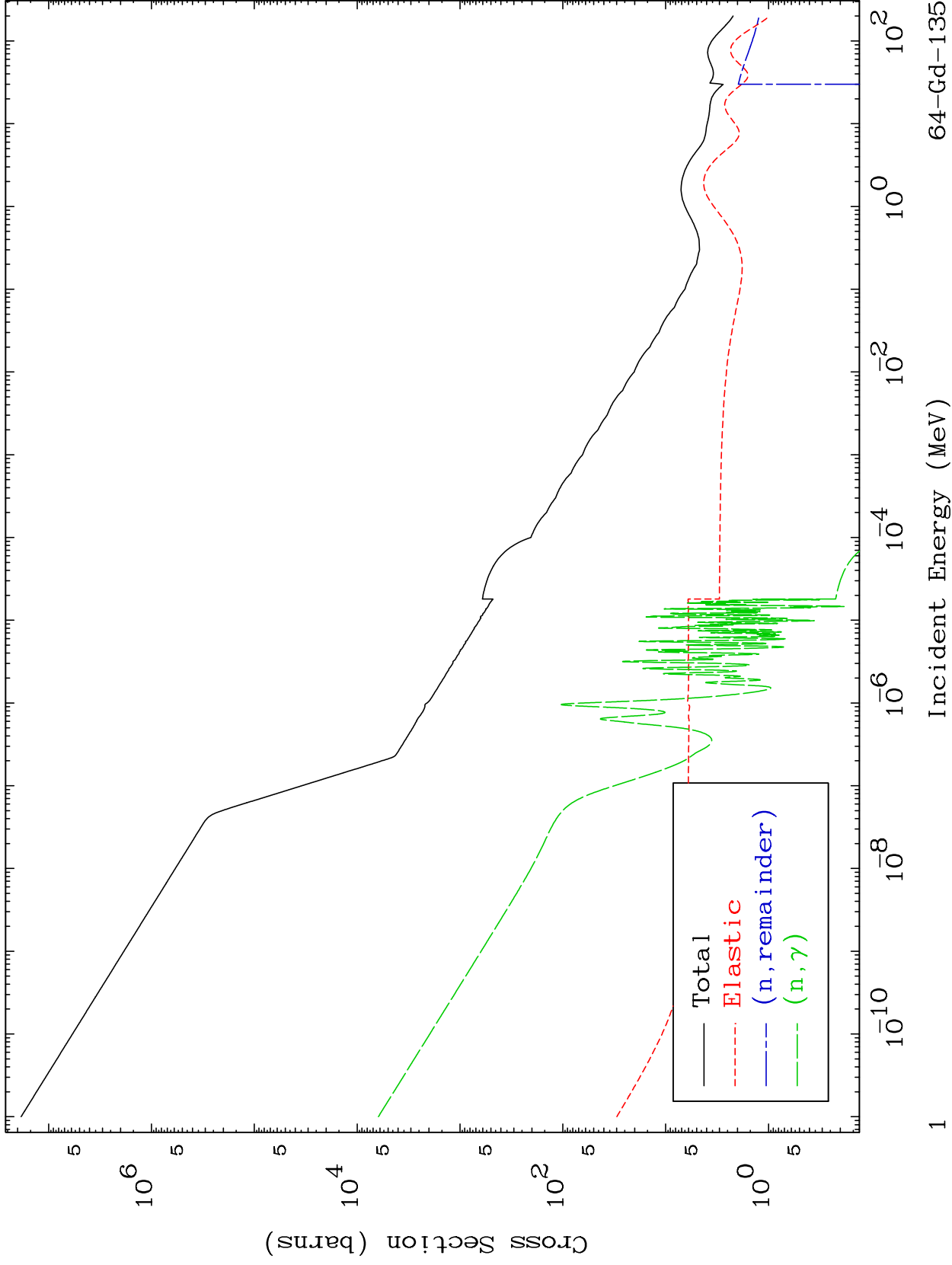
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6374

Major  
293 Kelvin Cross Sections

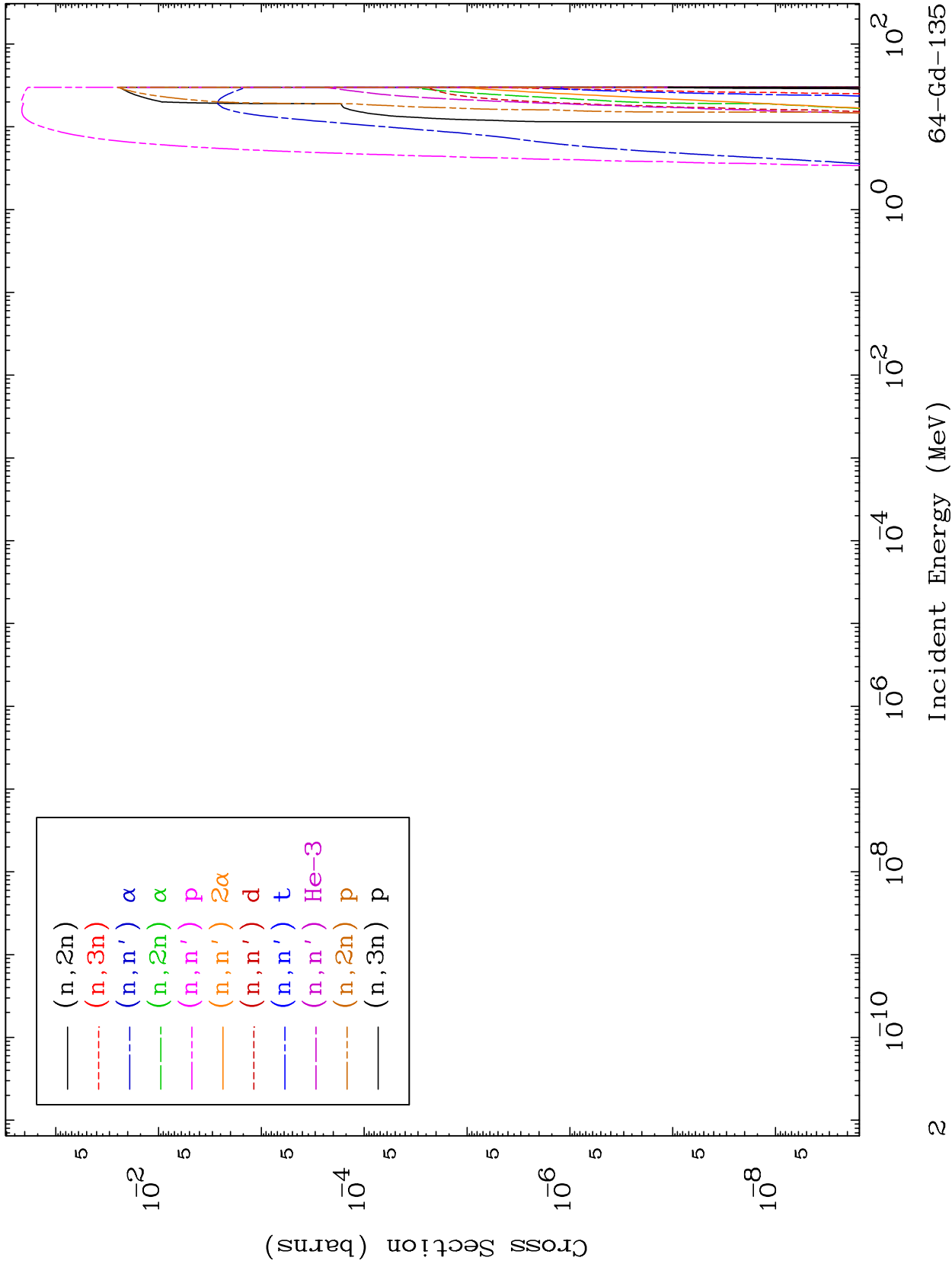
64-Gd-135



MAT 6374

Neutron Production  
293 Kelvin Cross Sections

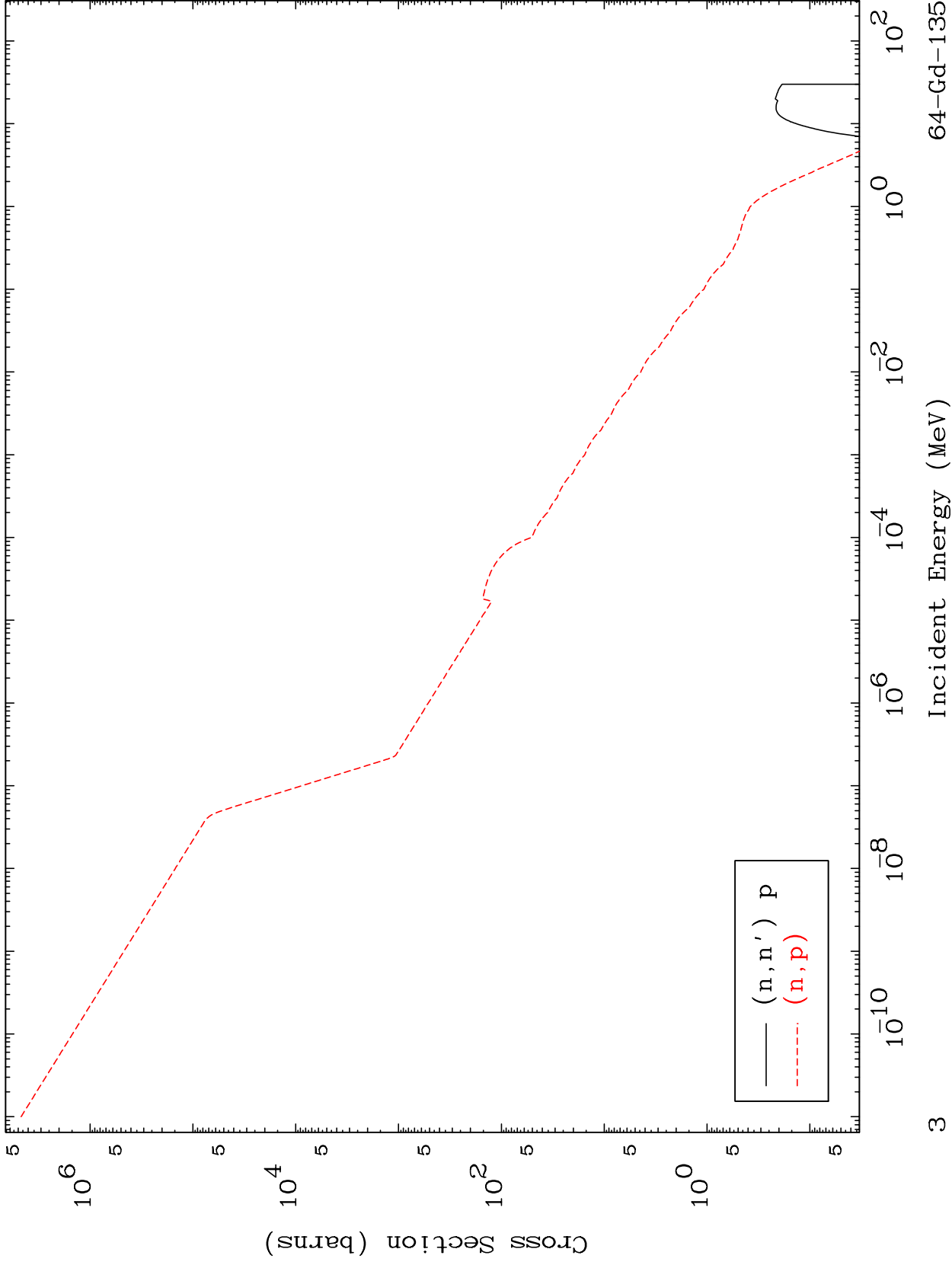
64-Gd-135



MAT 6374

Charged Particle  
293 Kelvin Cross Sections

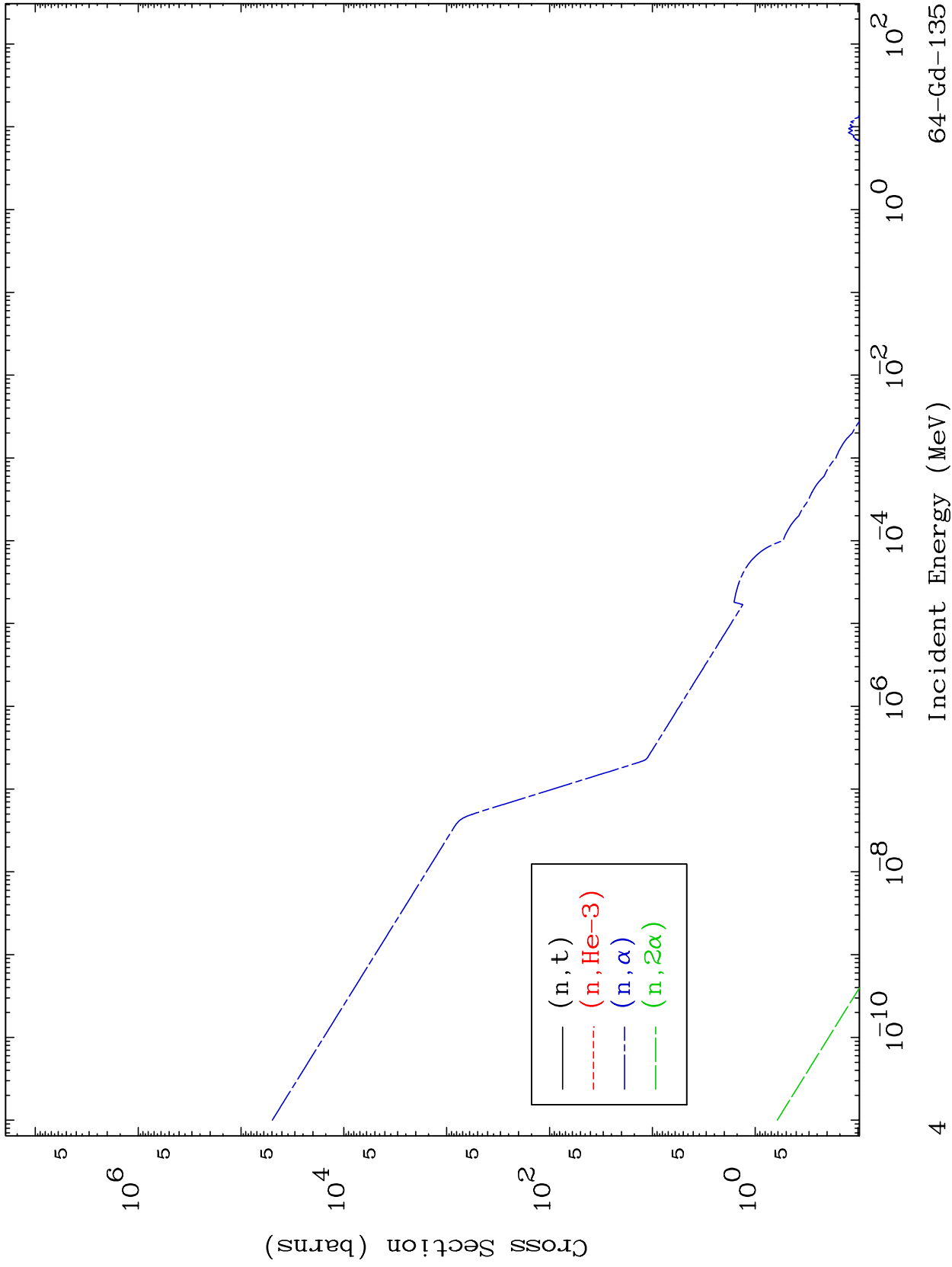
64-Gd-135



MAT 6374

Charged Particle  
293 Kelvin Cross Sections

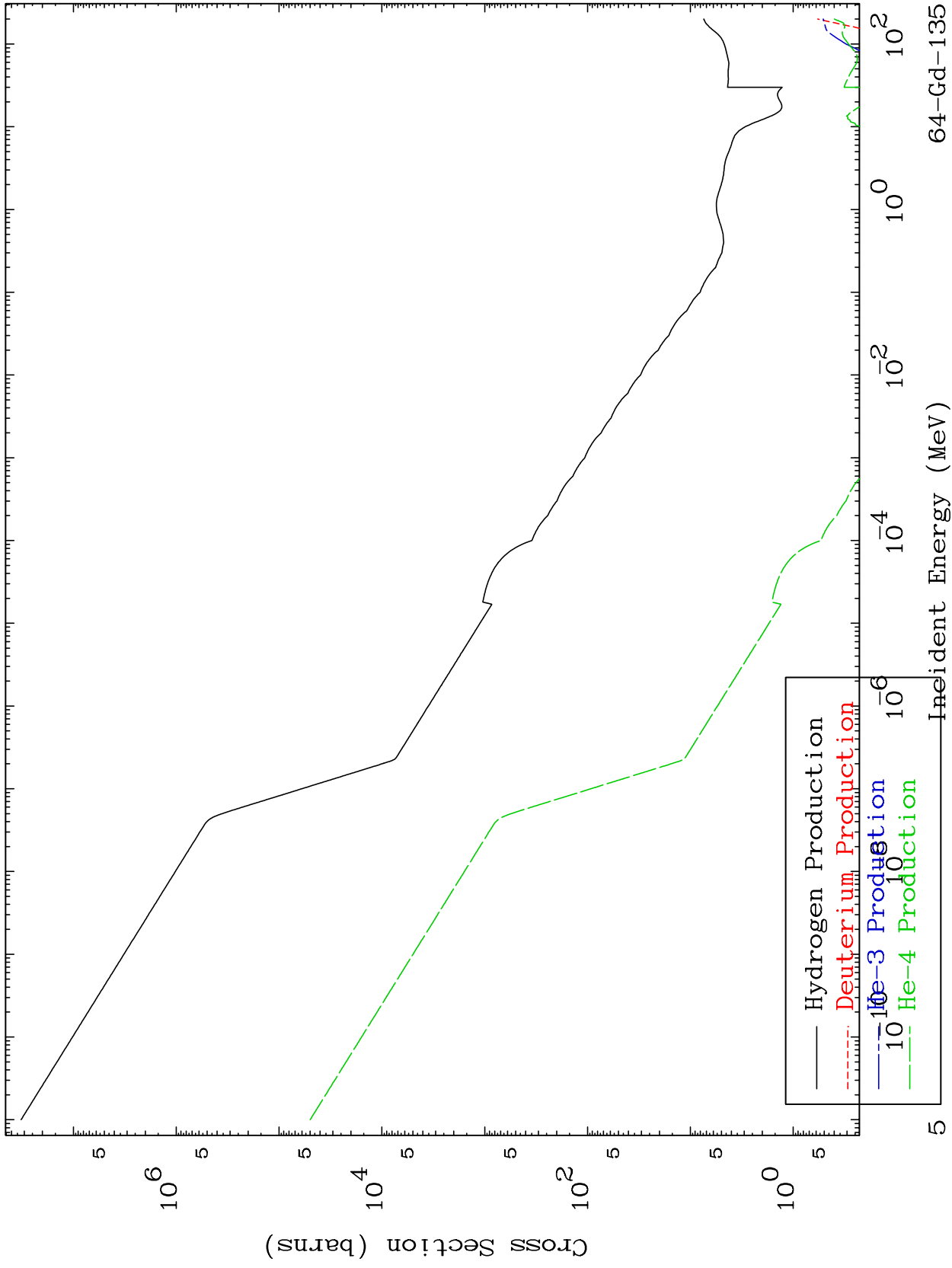
64-Gd-135



MAT 6374

Particle Production  
293 Kelvin Cross Sections

64-Gd-135

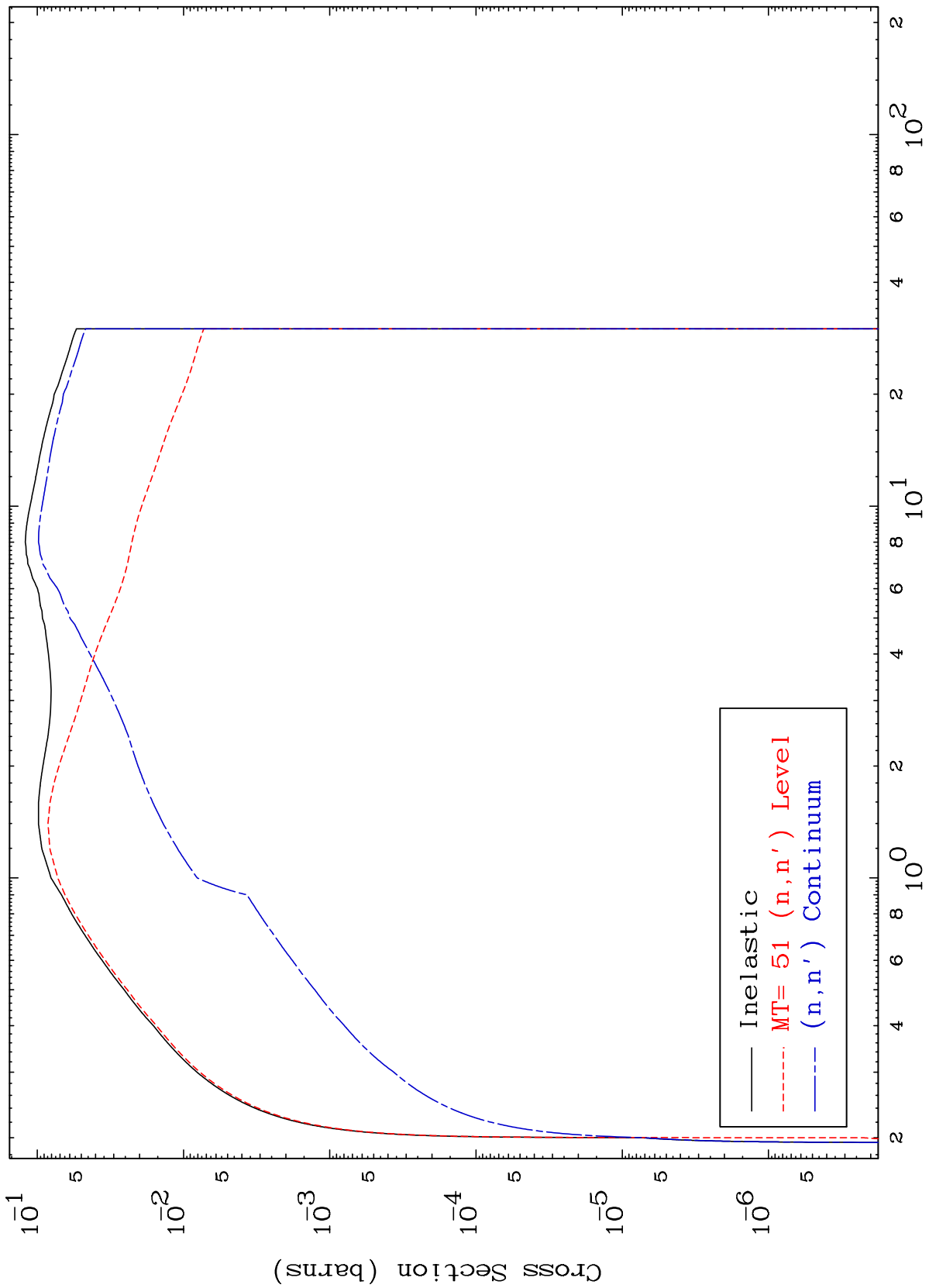


64-Gd-135

MAT 6374

64-Gd-135

293 Kelvin Cross Sections  
(n,n') Level



— Inelastic  
- - - MT= 51 (n,n') Level  
- . - (n,n') Continuum

64-Gd-135

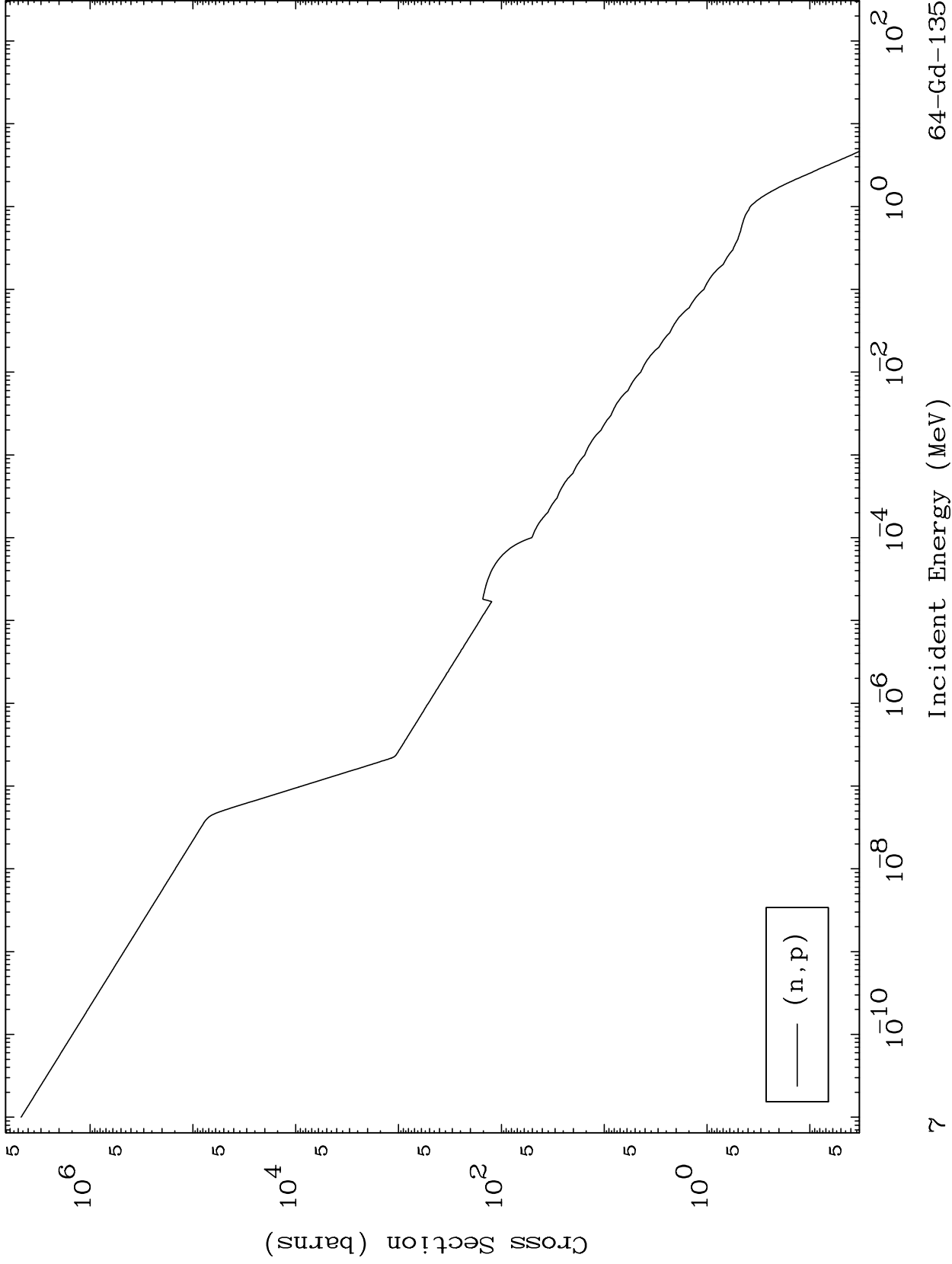
Incident Energy (MeV)

6

MAT 6374

(n,p) Levels  
293 Kelvin Cross Sections

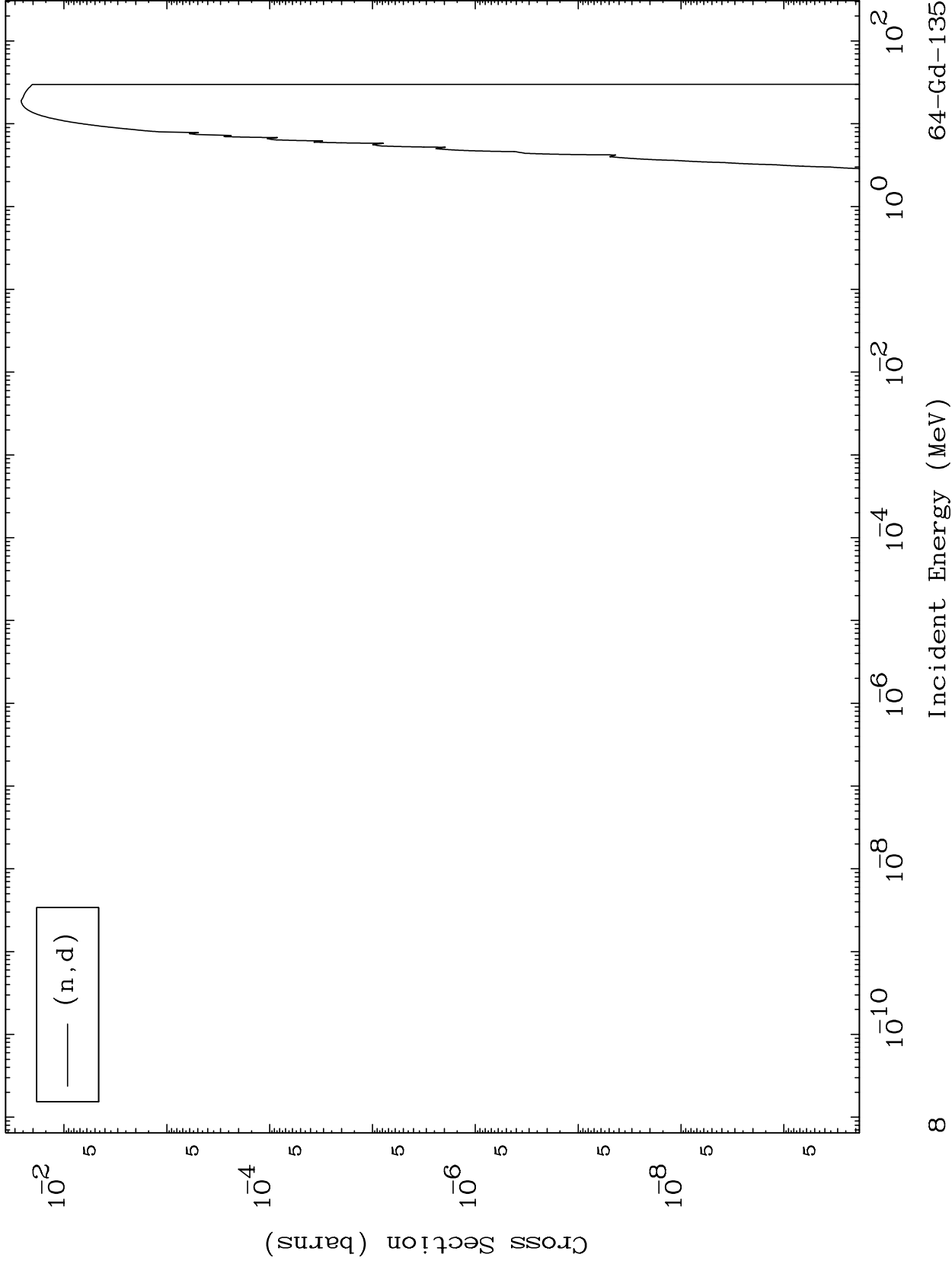
64-Gd-135



MAT 6374

(n,d) Levels  
293 Kelvin Cross Sections

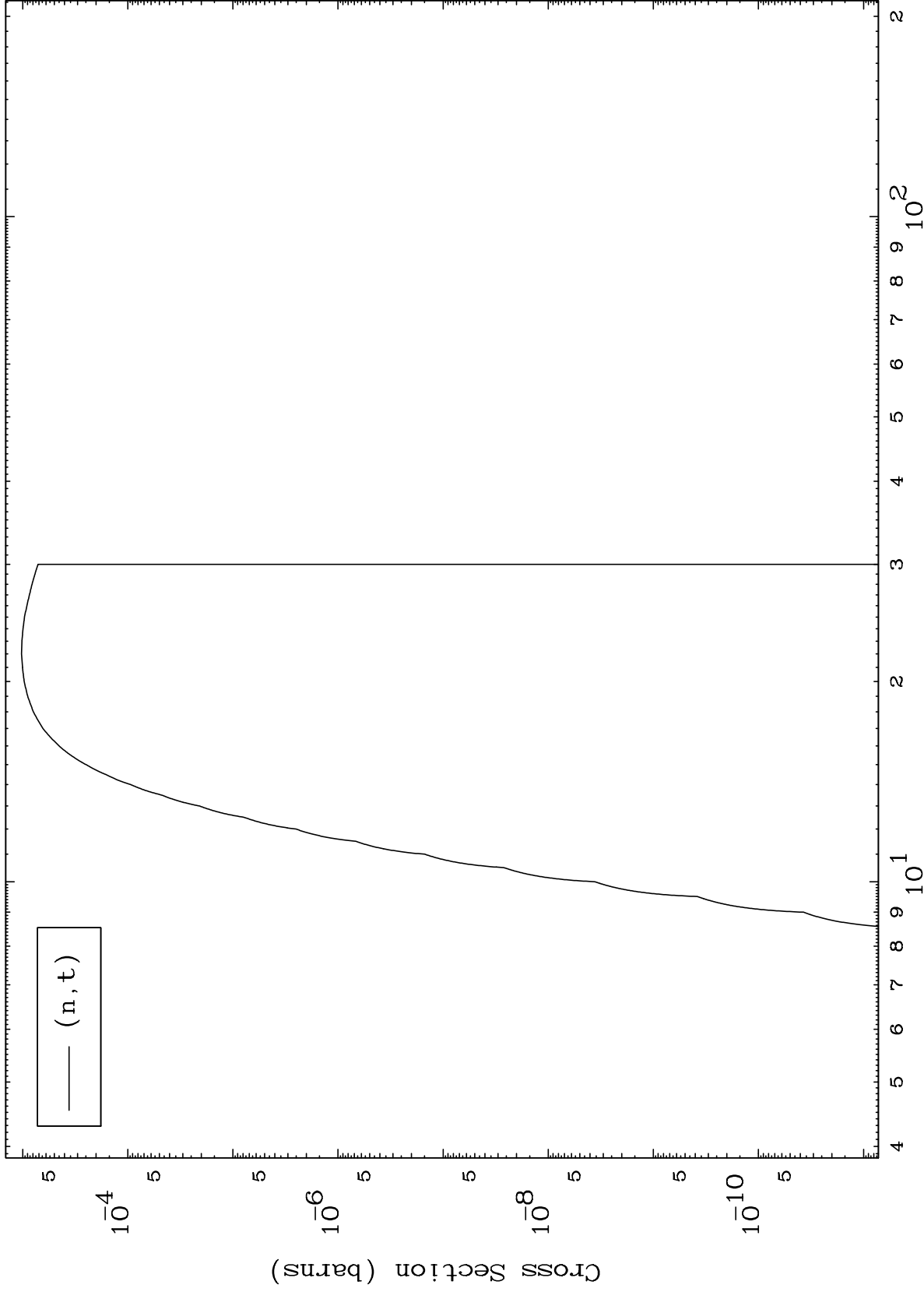
64-Gd-135



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(n,t) Levels  
293 Kelvin Cross Sections

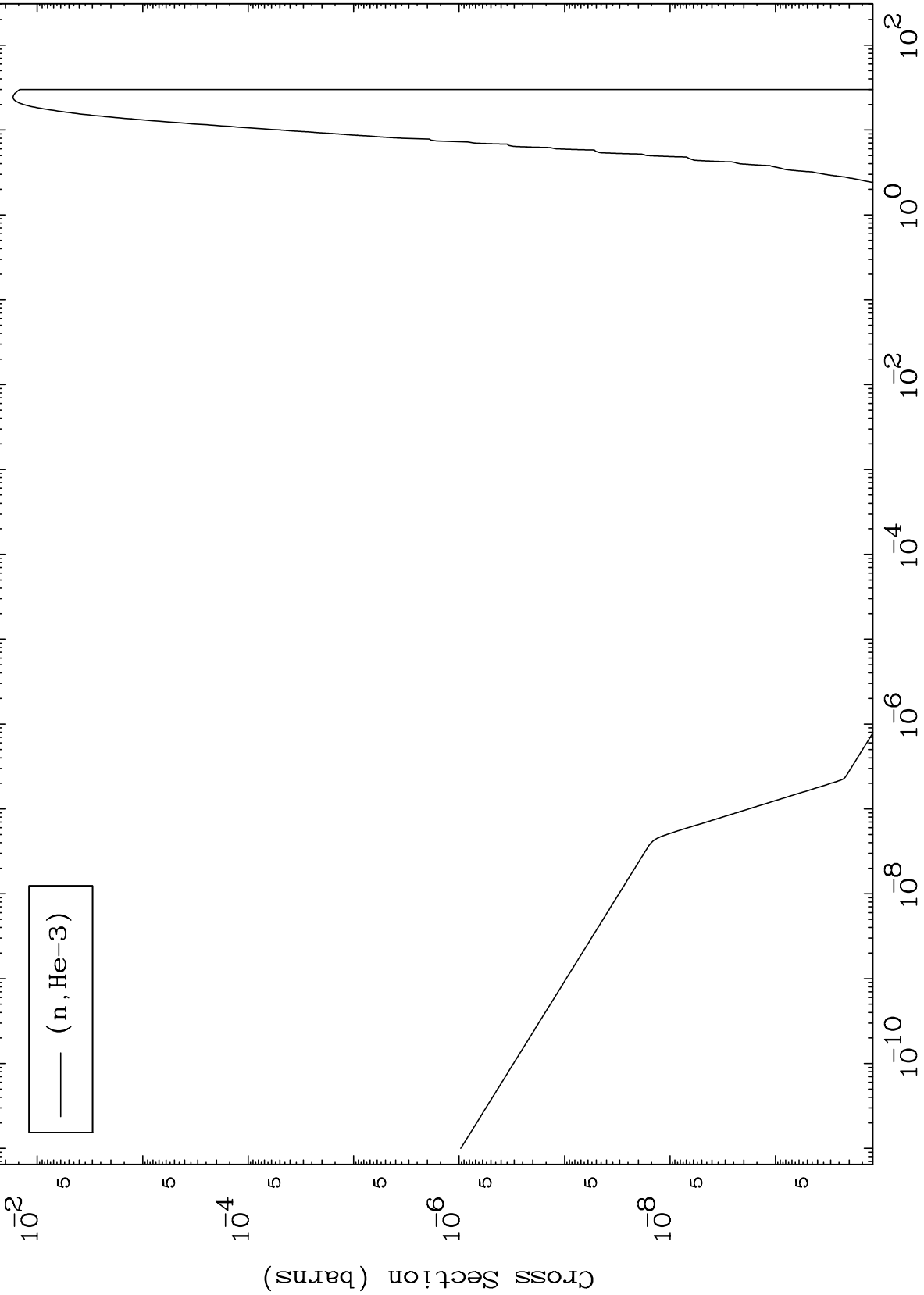
64-Gd-135



MAT 6374

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-135



10

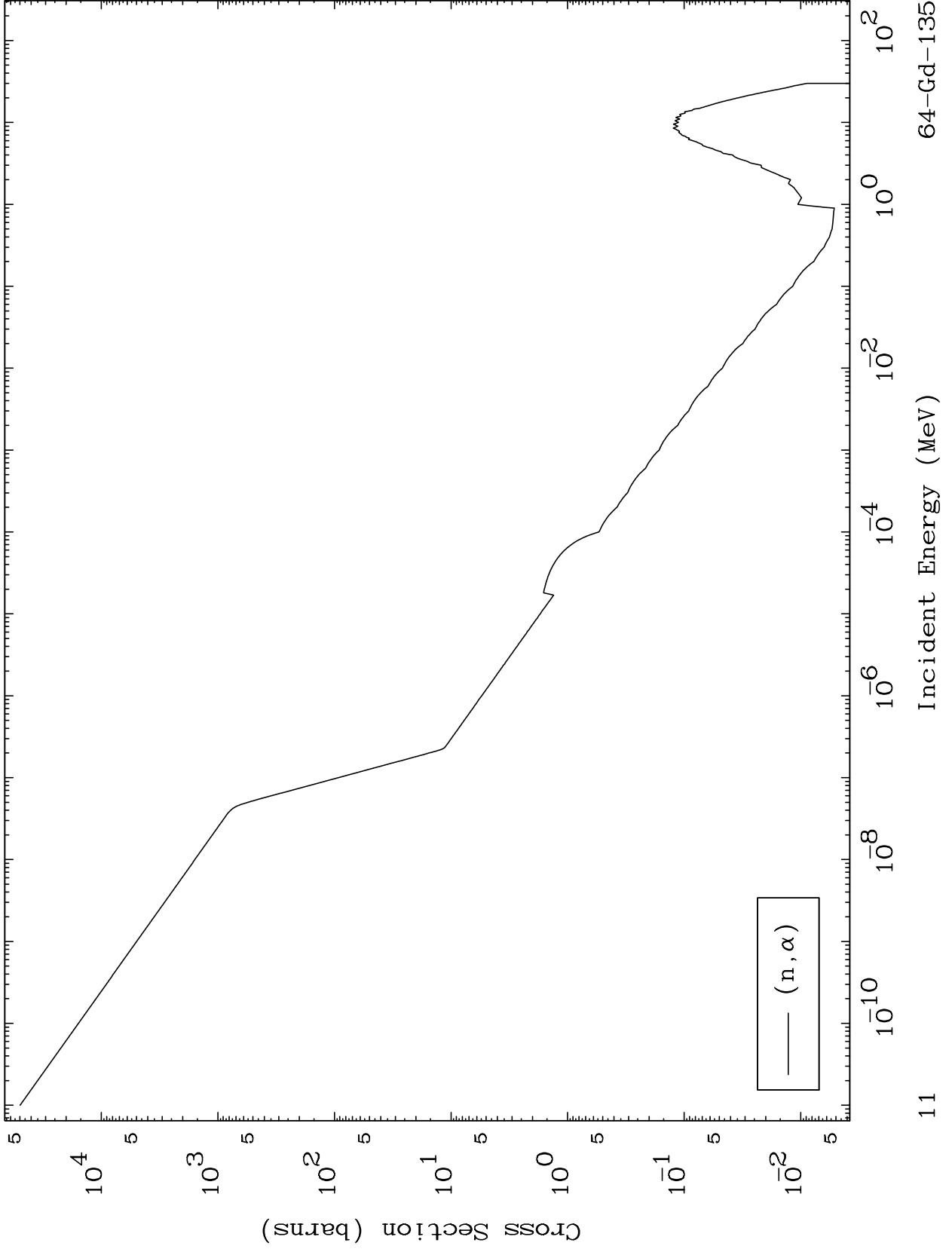
Incident Energy (MeV)

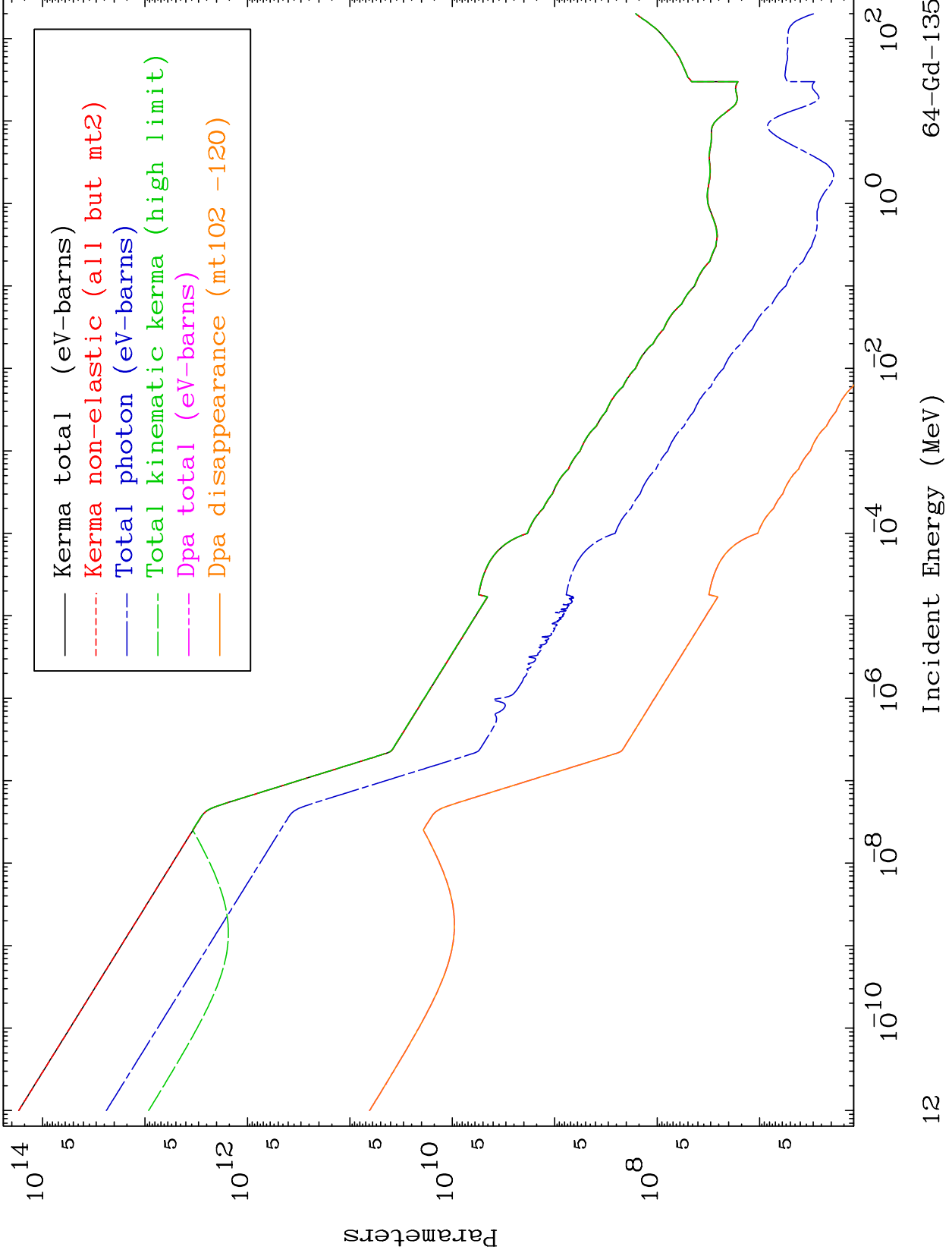
64-Gd-135

MAT 6374

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

64-Gd-135

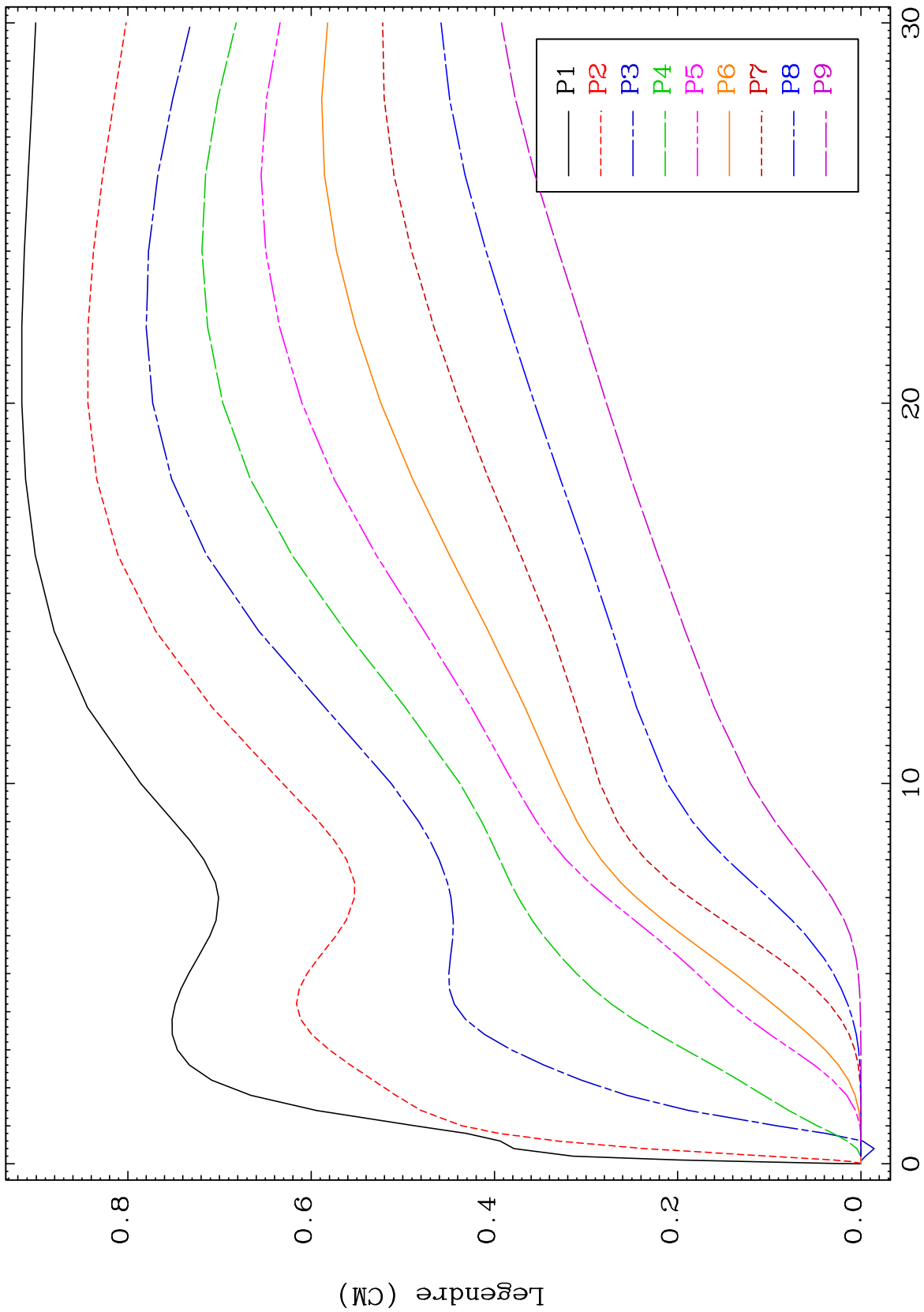




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Elastic Legendre Coefficients

64-Gd-135



13

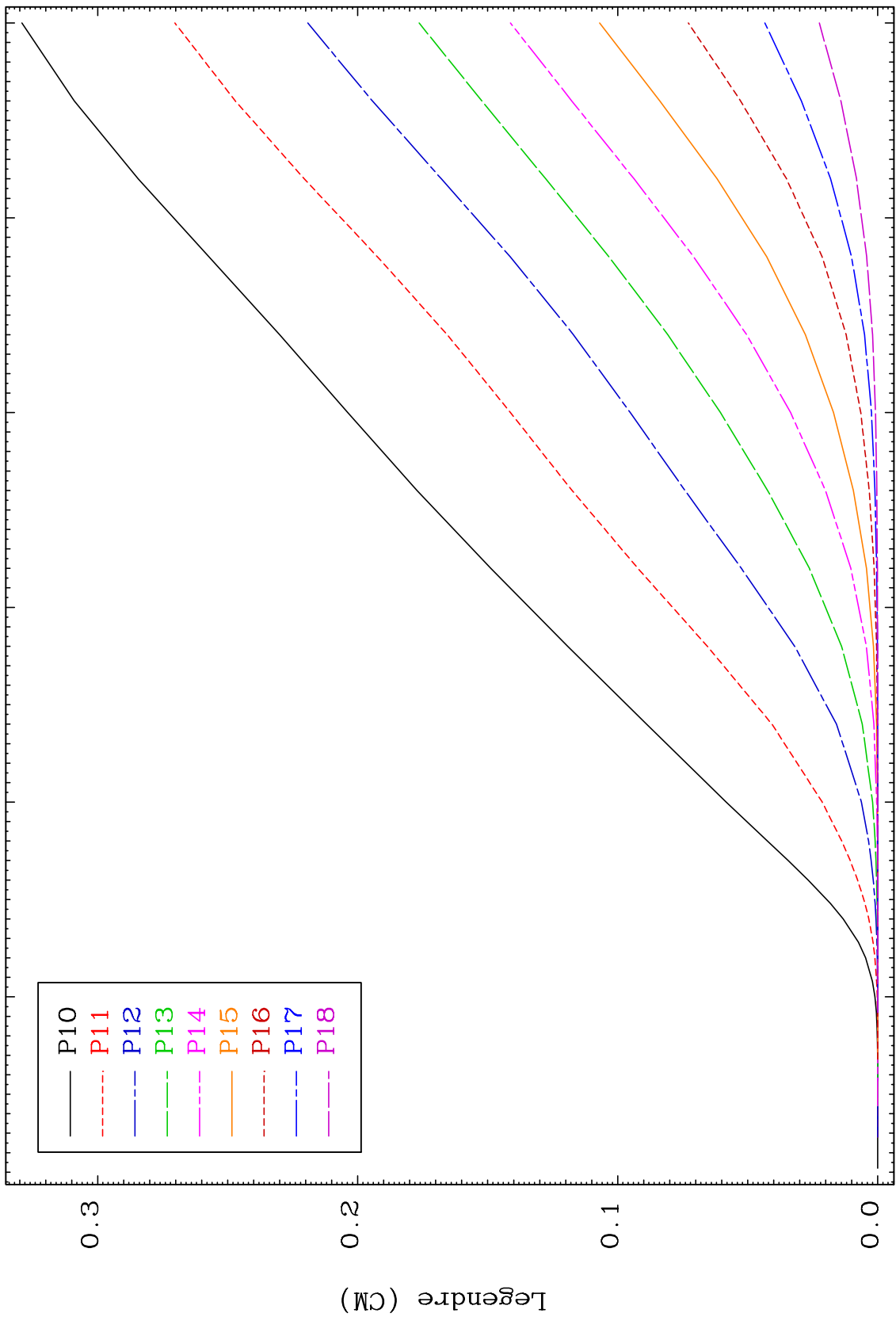
Incident Energy (MeV)

64-Gd-135

MAT 6374

Elastic Legendre Coefficients

64-Gd-135



14

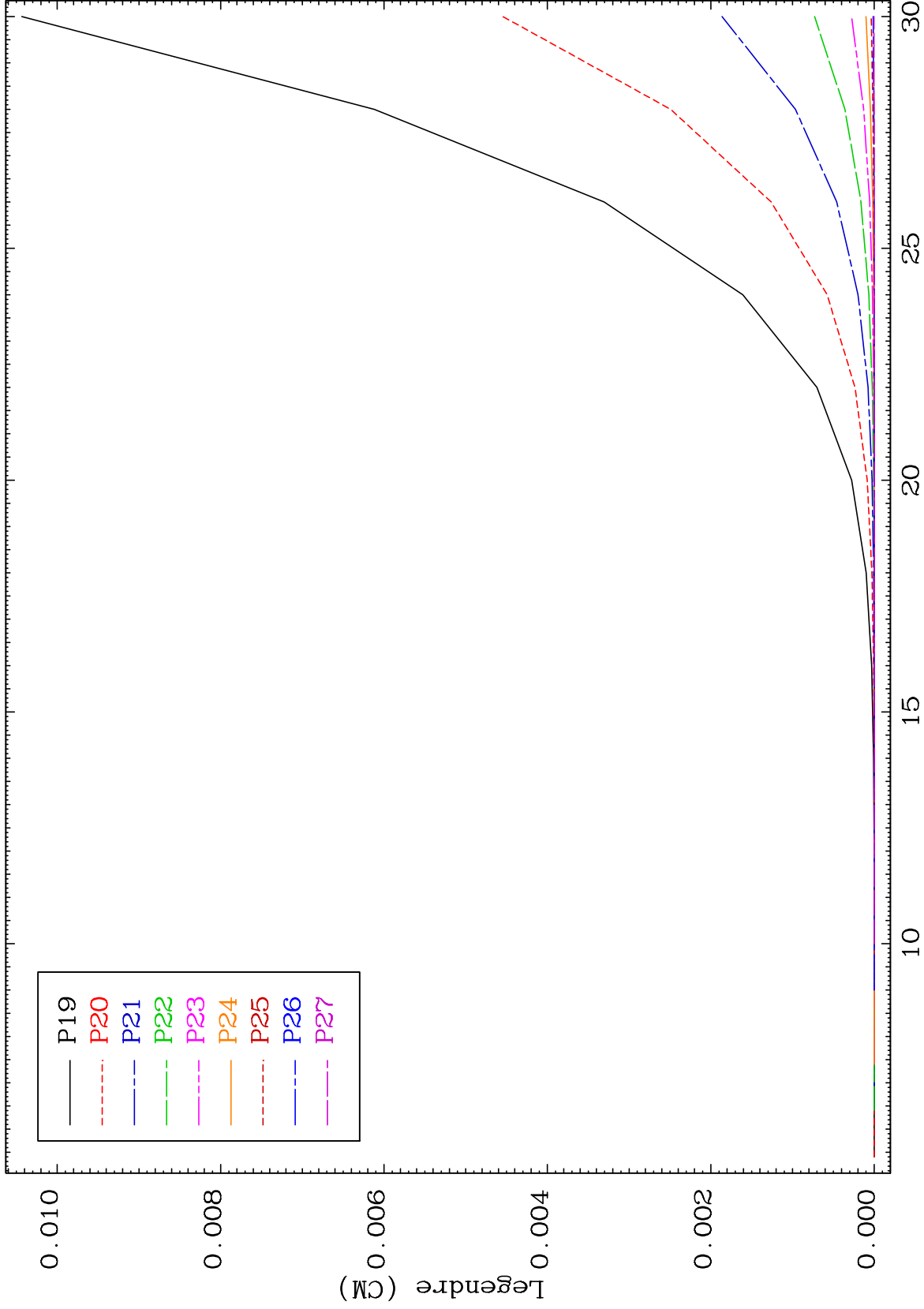
Incident Energy (MeV)

64-Gd-135

MAT 6374

### Elastic Legendre Coefficients

64-Gd-135



15

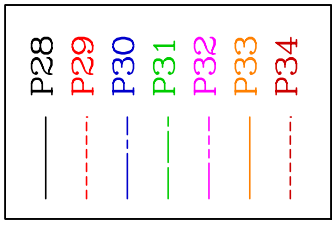
Incident Energy (MeV)

64-Gd-135

MAT 6374

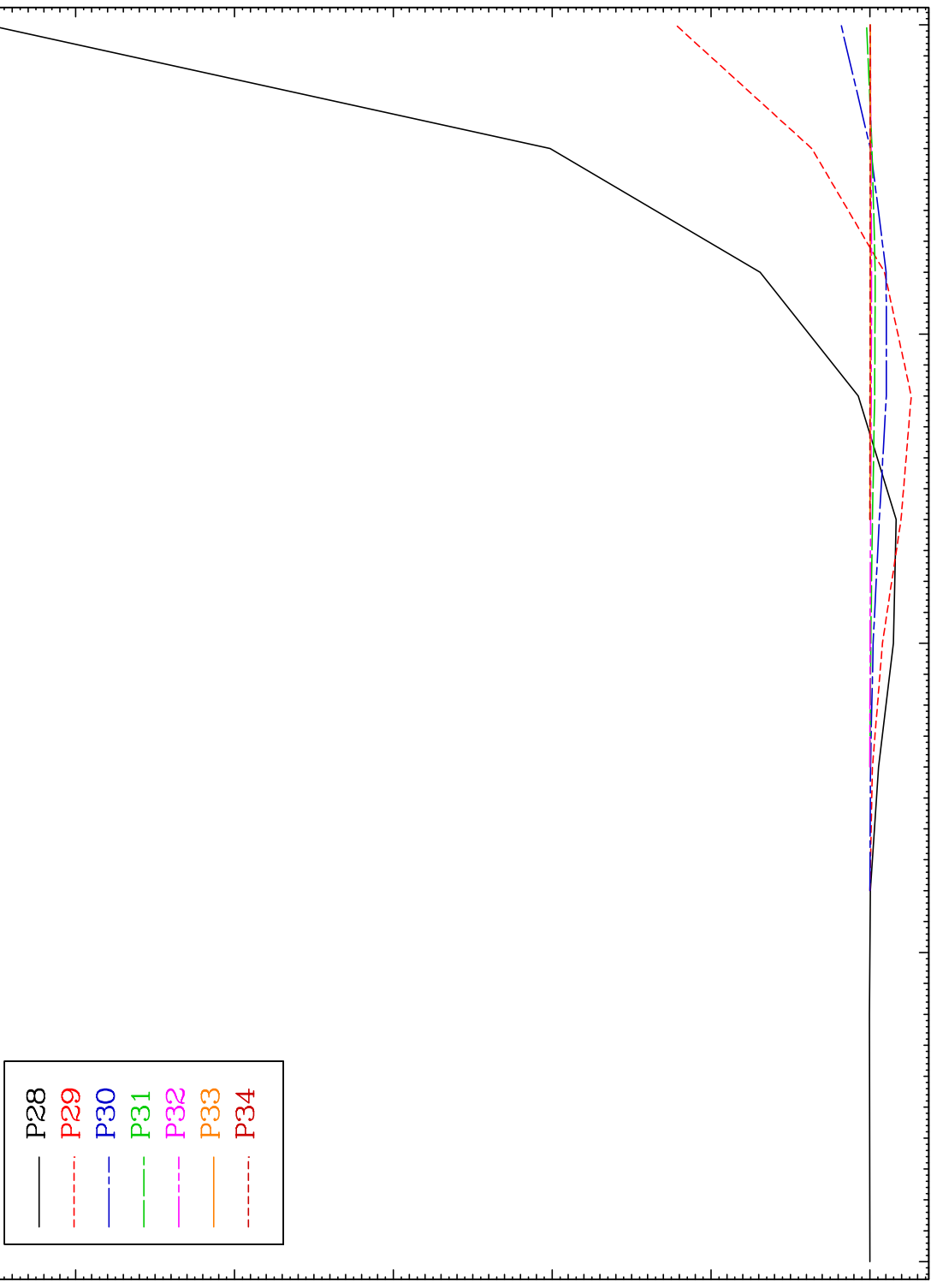
Elastic Legendre Coefficients

64-Gd-135



$\times 10^{-6}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

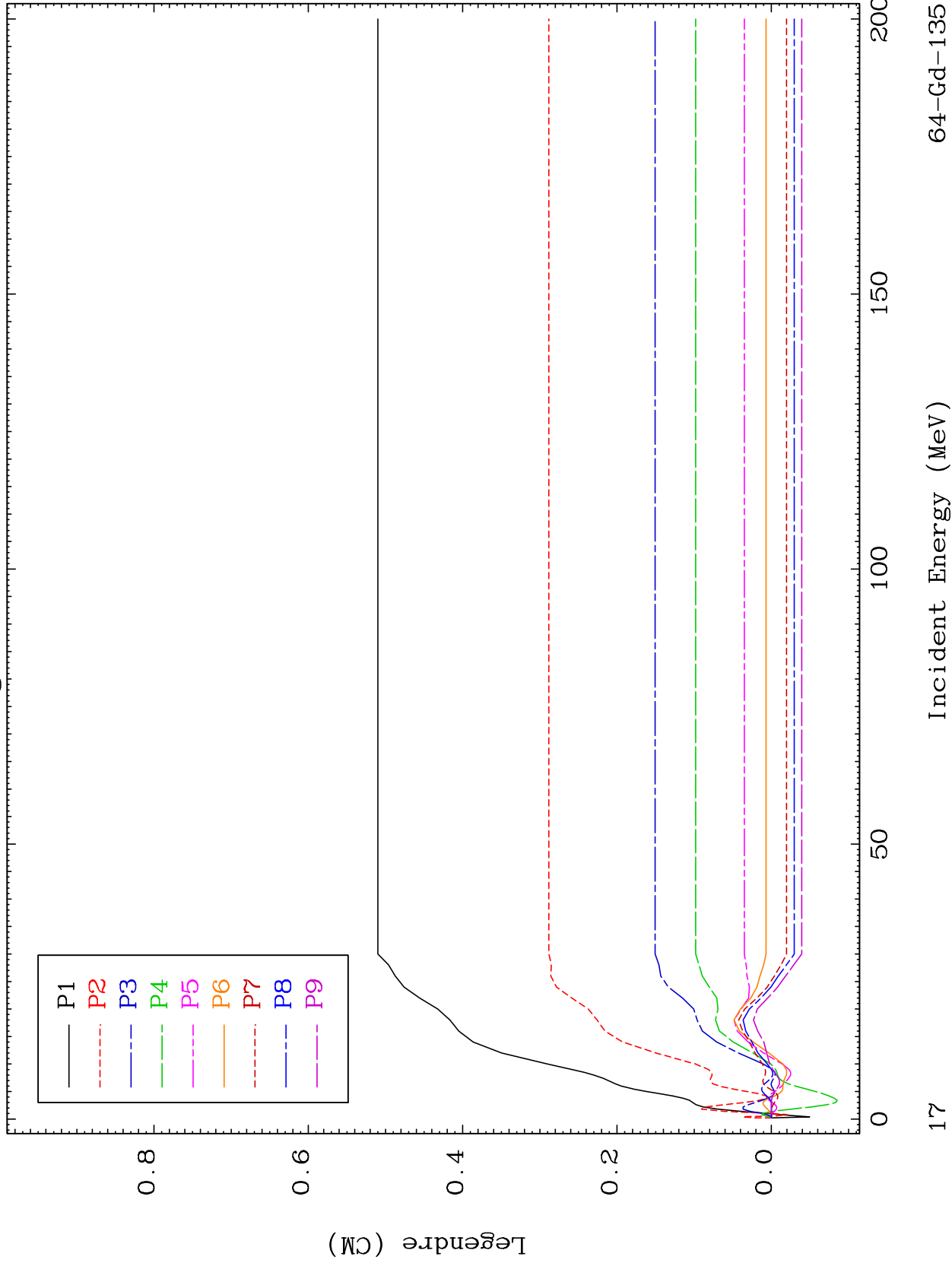
64-Gd-135

16

MAT 6374

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

64-Gd-135



64-Gd-135

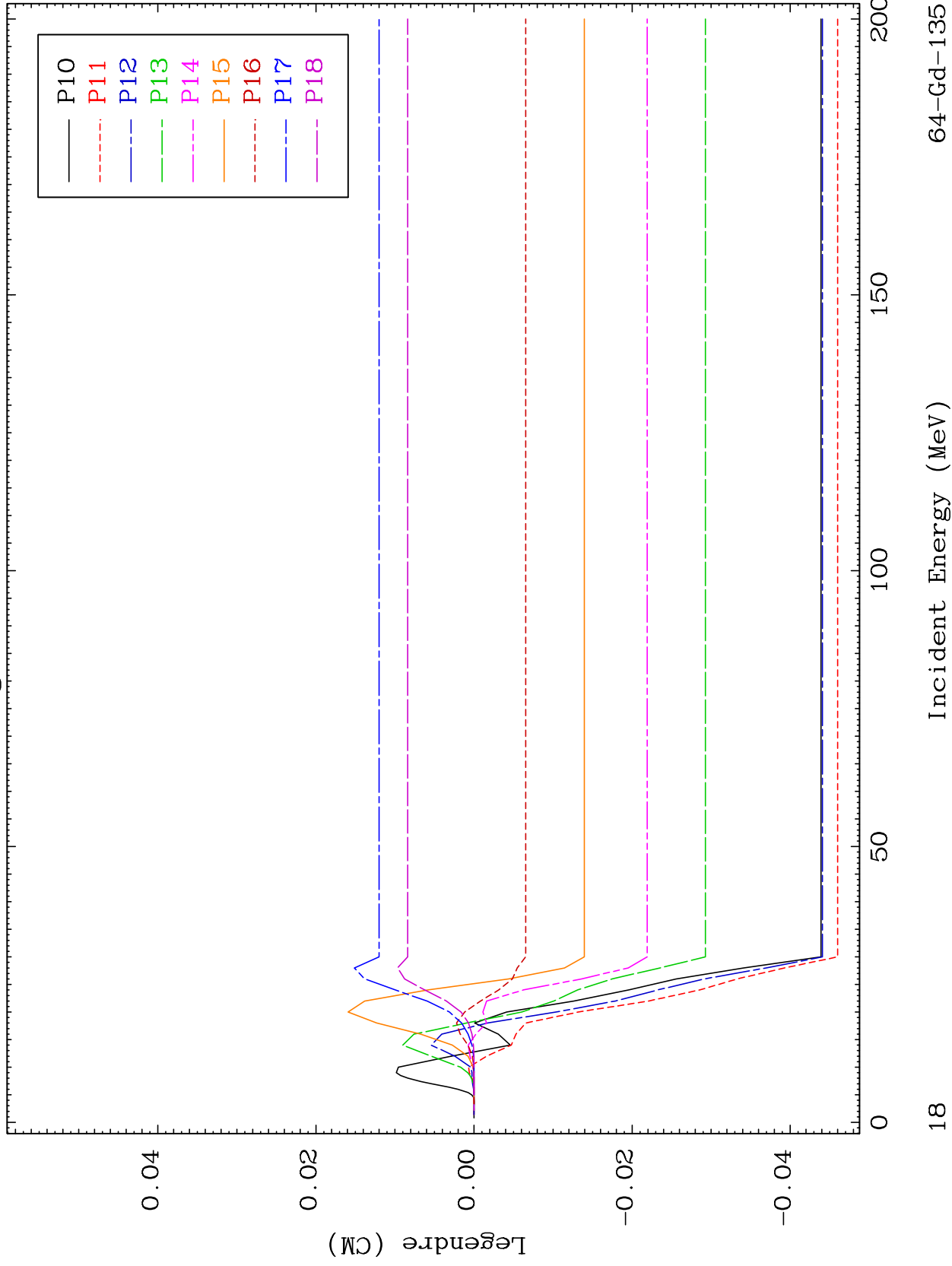
Incident Energy (MeV)

17

MAT 6374

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

64-Gd-135



18

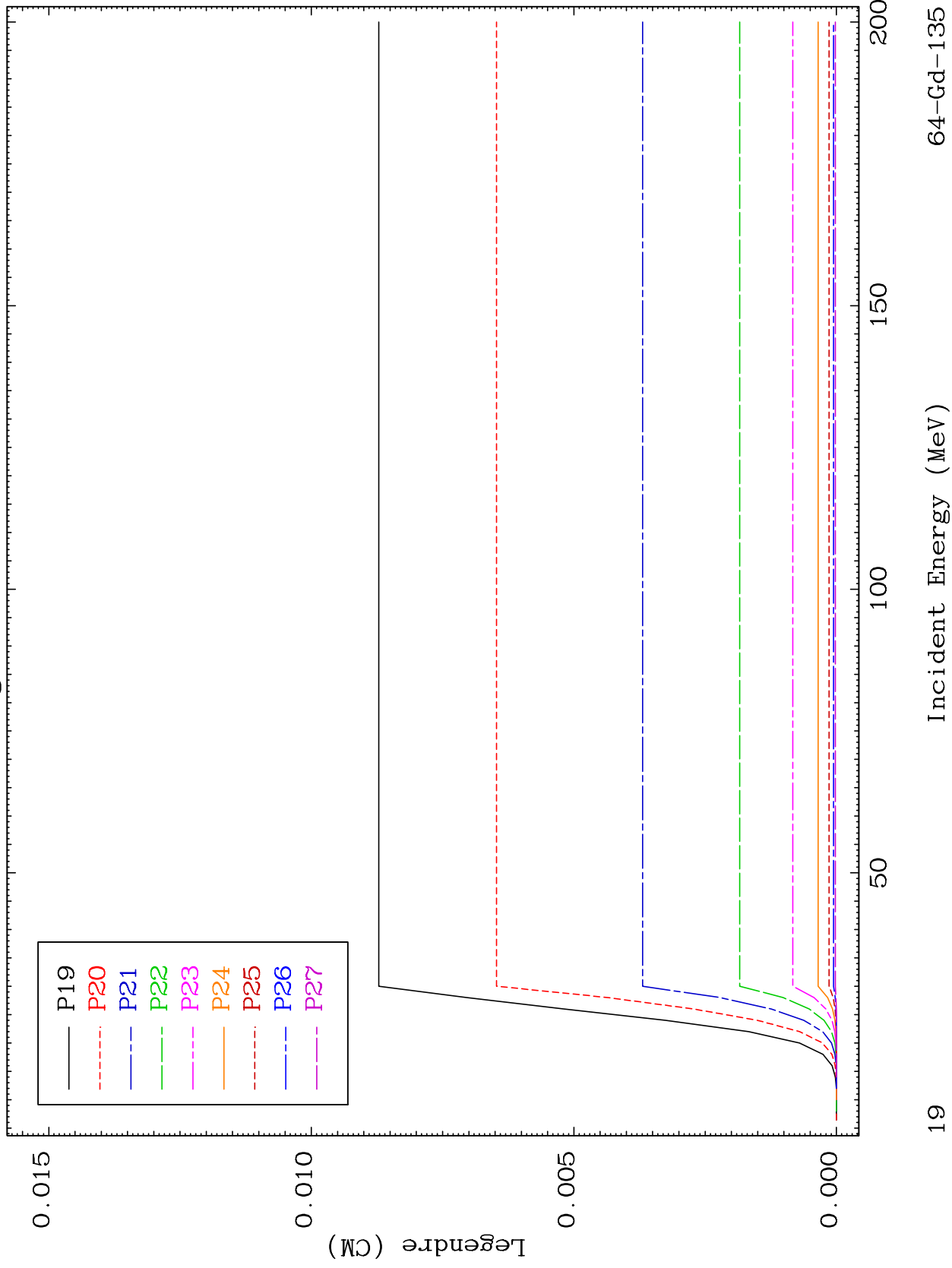
Incident Energy (MeV)

64-Gd-135

MAT 6374

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

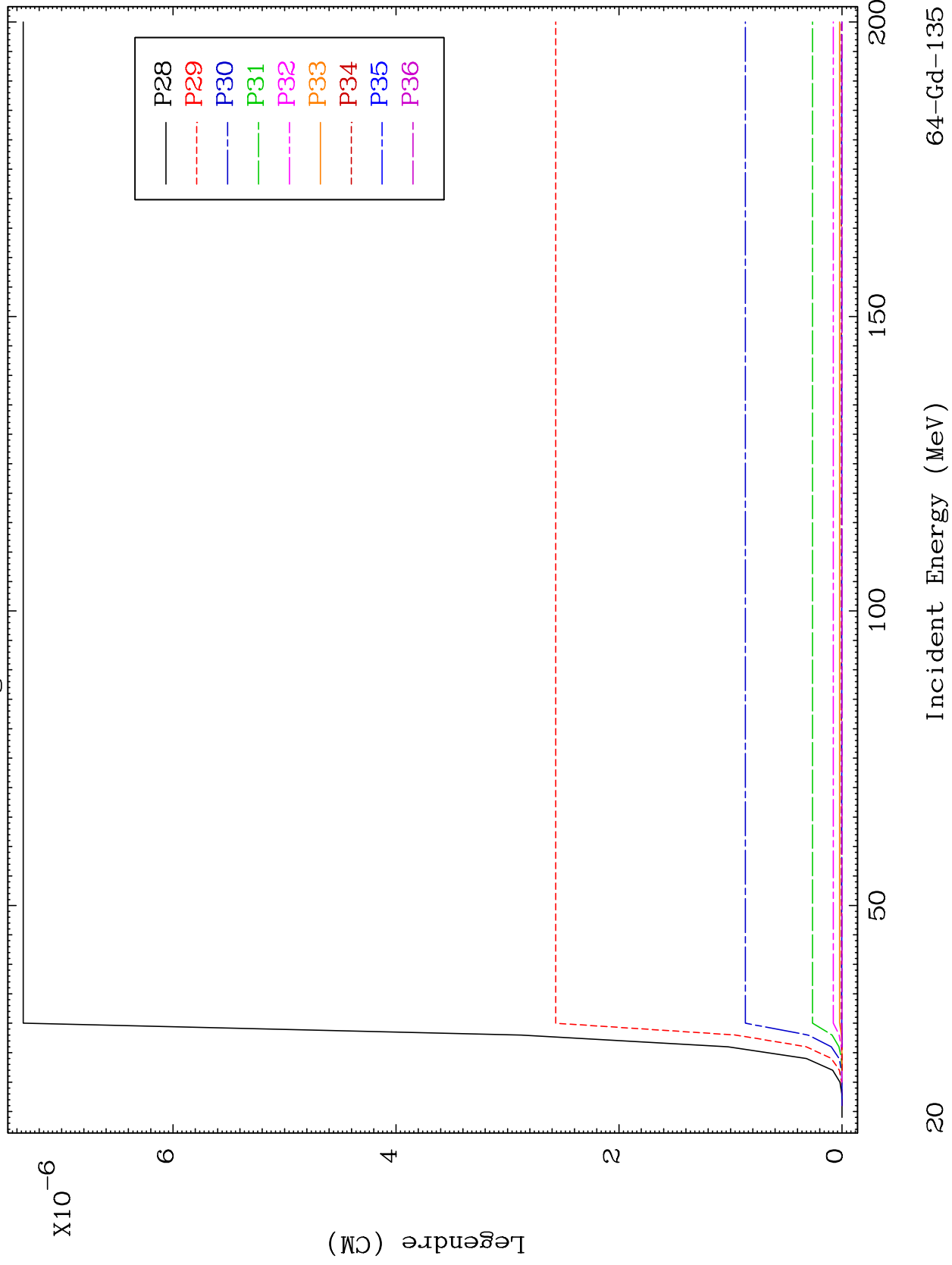
64-Gd-135



MAT 6374

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

64-Gd-135



64-Gd-135

Incident Energy (MeV)

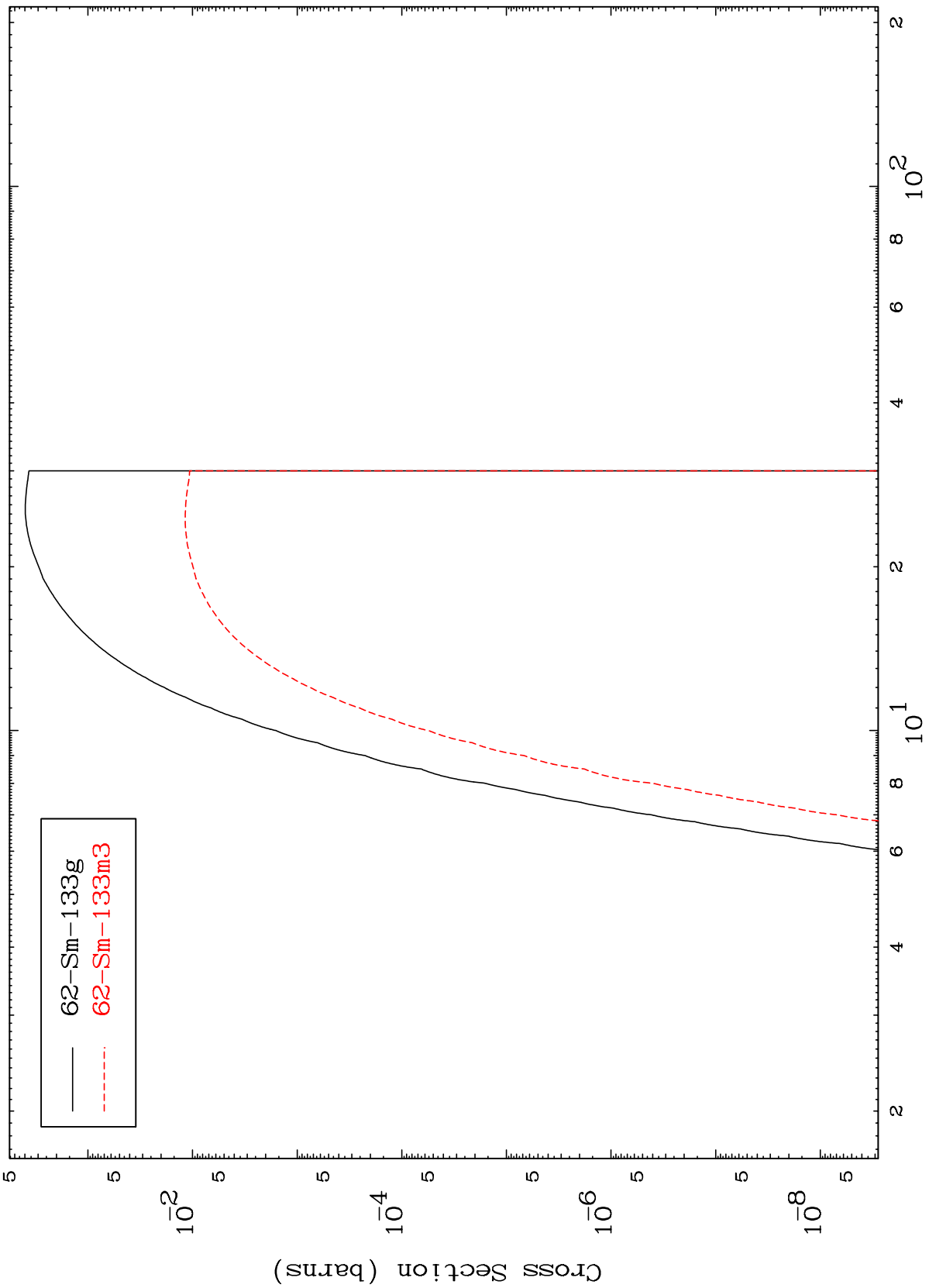
20

MAT 6374

(n,2n) p

64-Gd-135

Radionuclide Production Cross Section



62-Sm-133g  
62-Sm-133m3

21

Incident Energy (MeV)

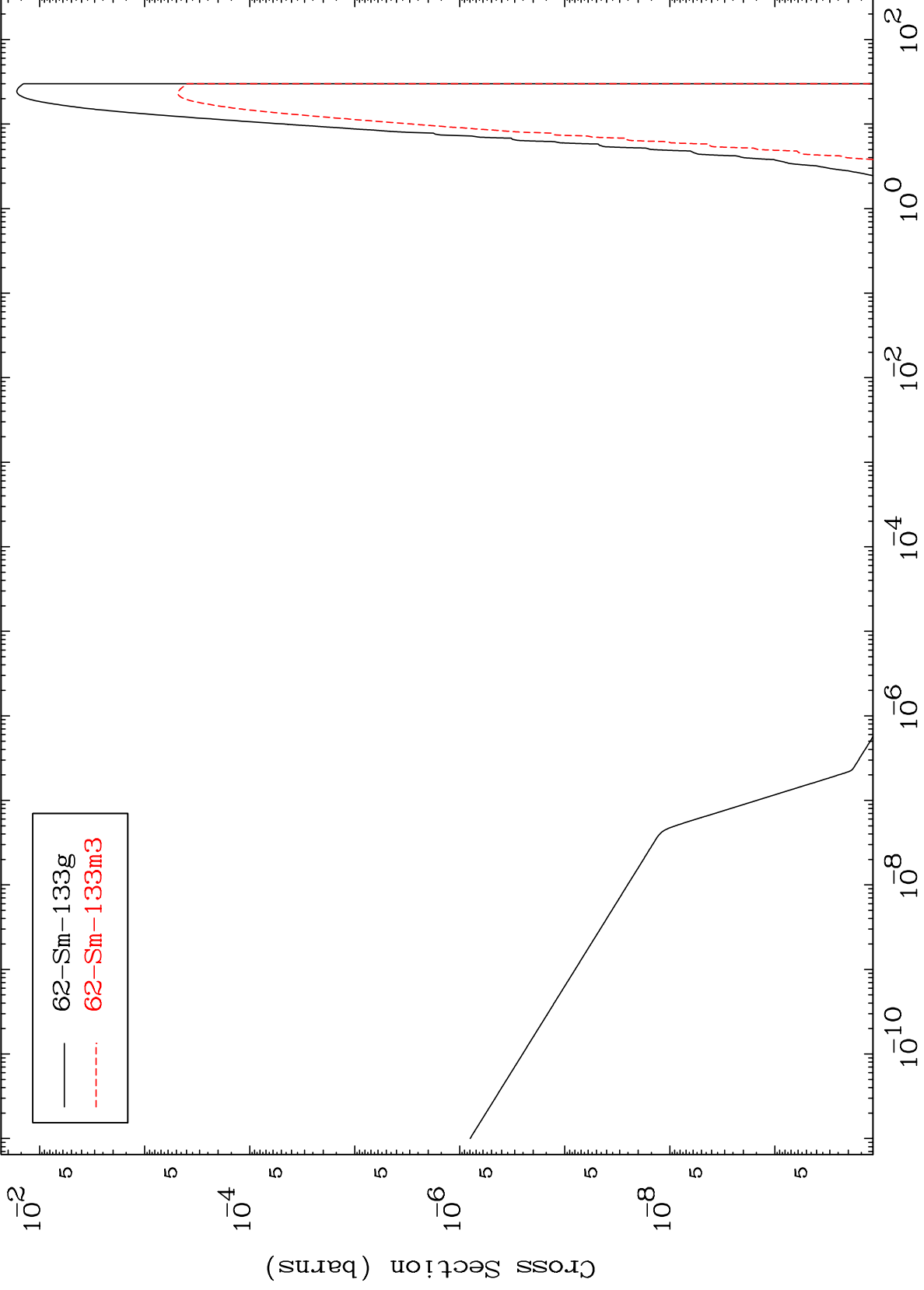
64-Gd-135

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(n,He-3)

64-Gd-135

Radionuclide Production Cross Section



MAT 6374

(n,p) d

64-Gd-135

Radionuclide Production Cross Section

