

Program EVALPLOT  
(Version 2021-1)

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

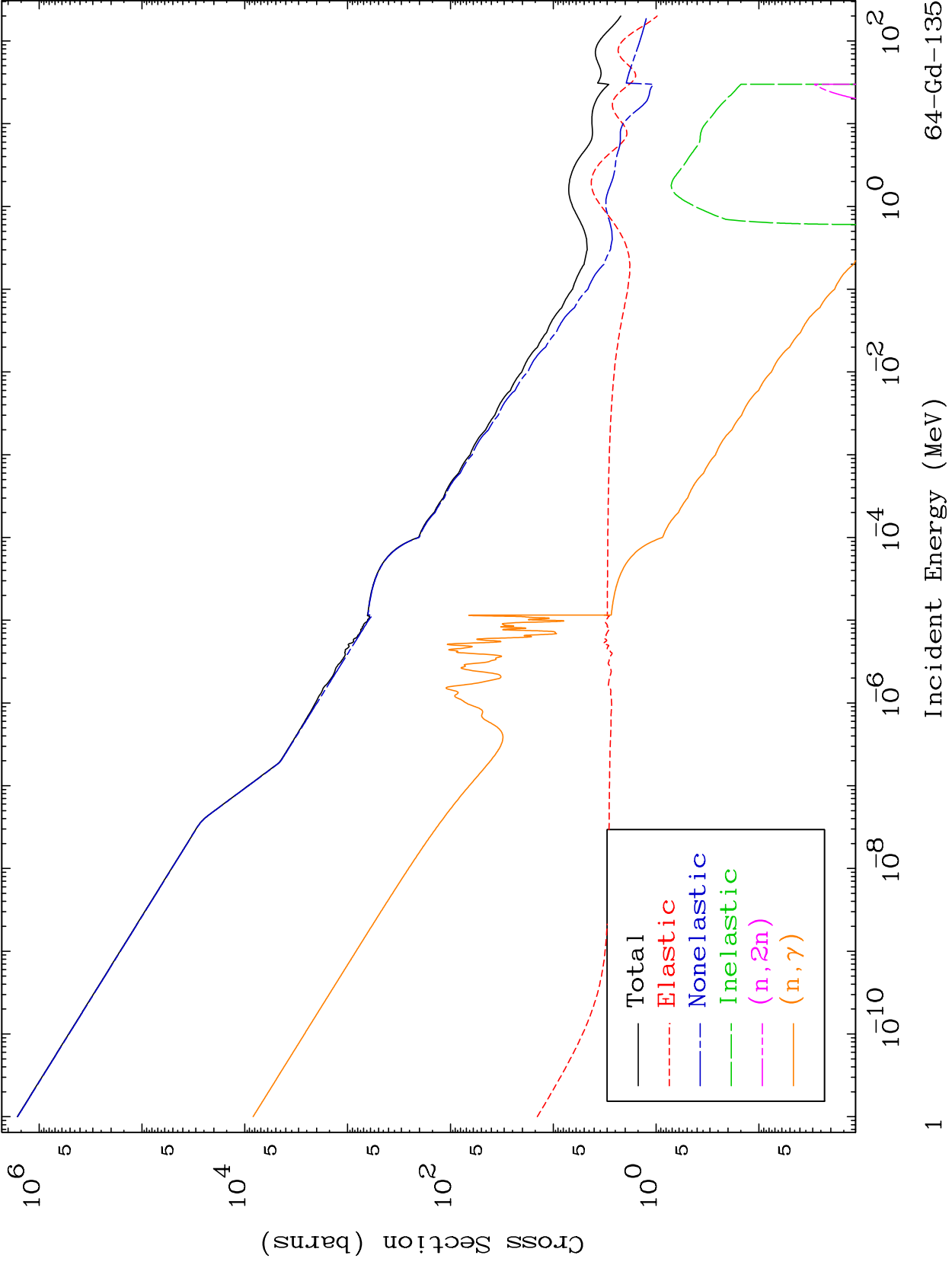
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6374

Neutron Major  
293 Kelvin Cross Sections

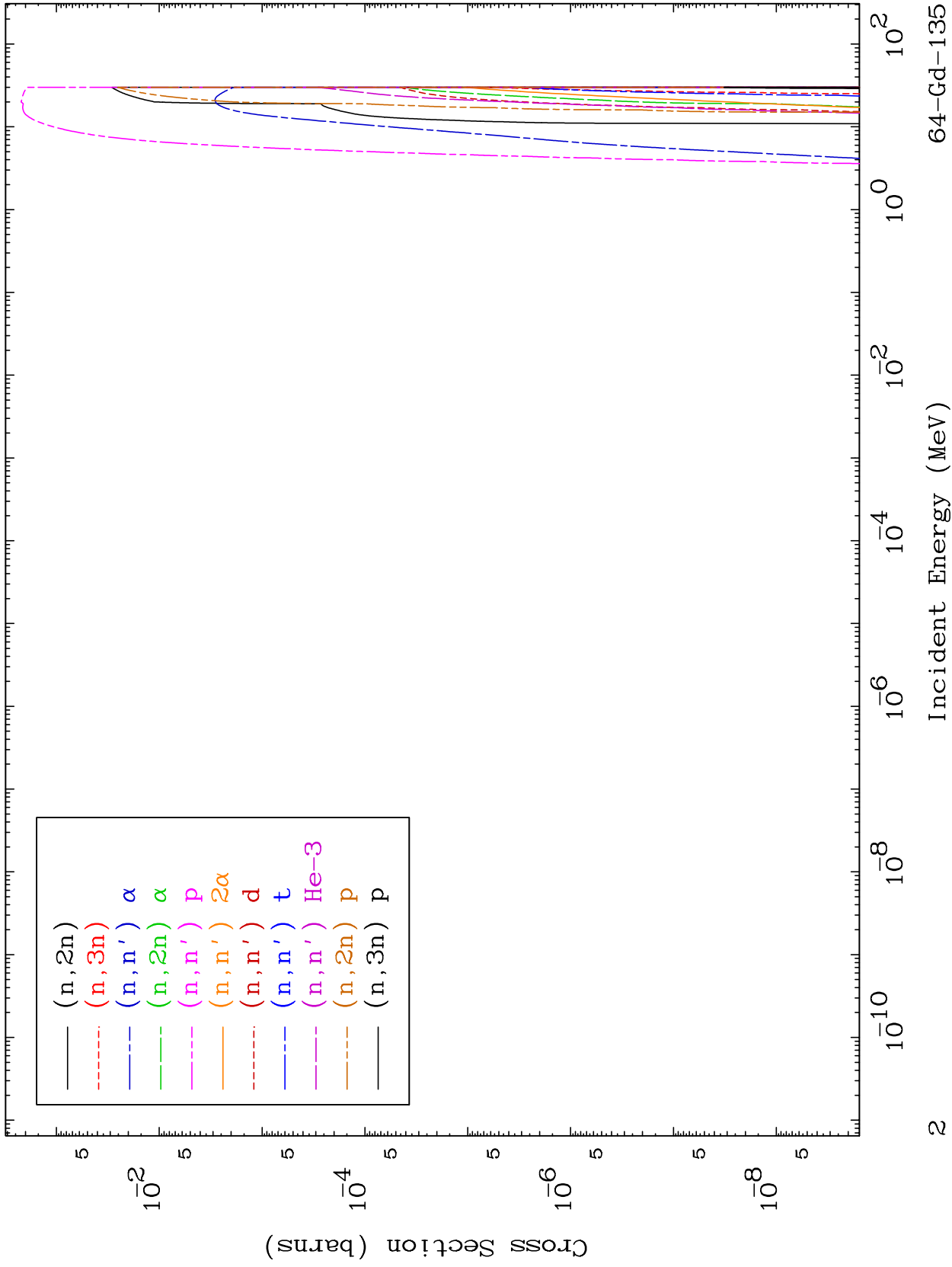
64-Gd-135



MAT 6374

Neutron Absorption  
293 Kelvin Cross Sections

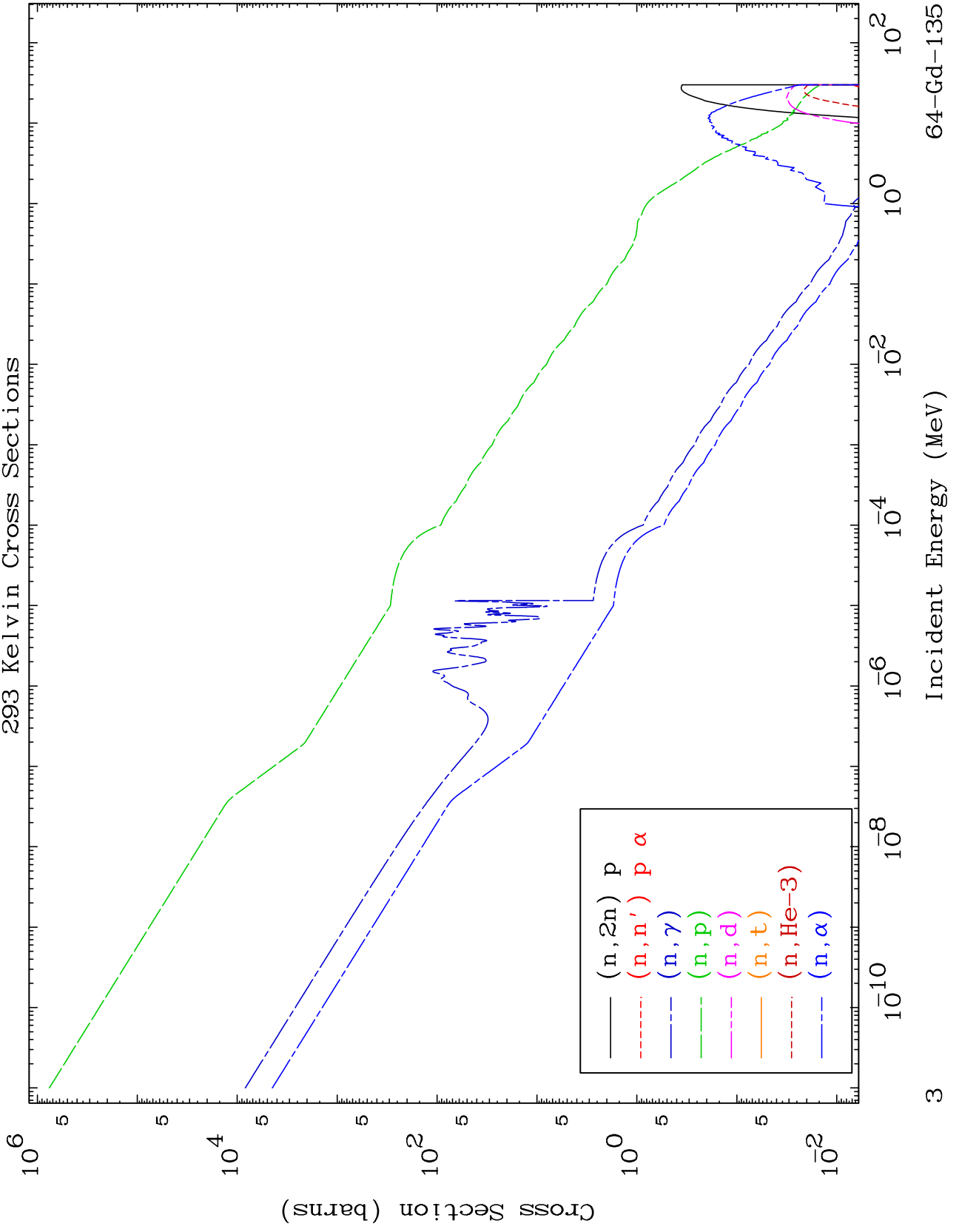
64-Gd-135



MAT 6374

Neutron Absorption  
293 Kelvin Cross Sections

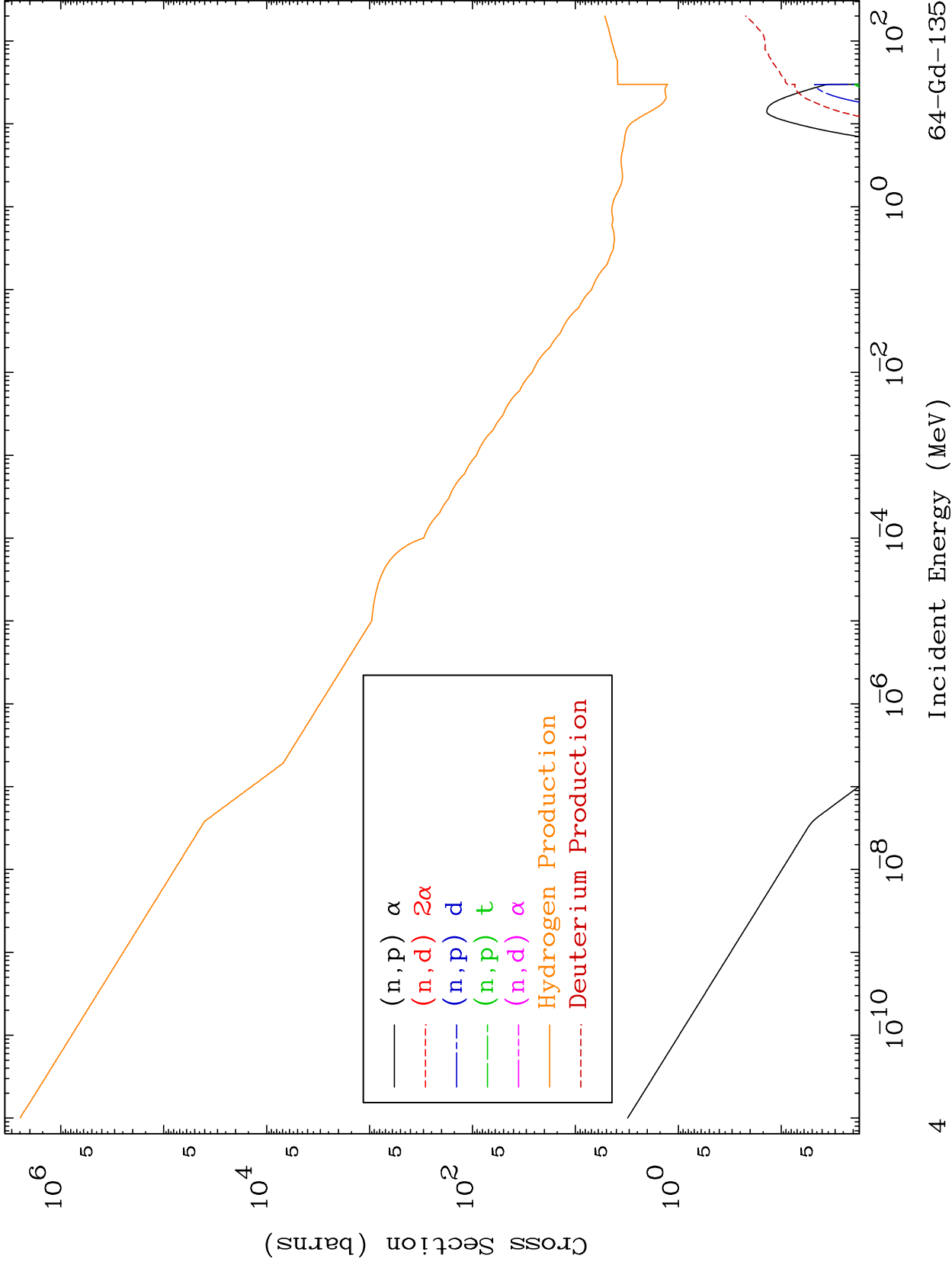
64-Gd-135



MAT 6374

Neutron Absorption  
293 Kelvin Cross Sections

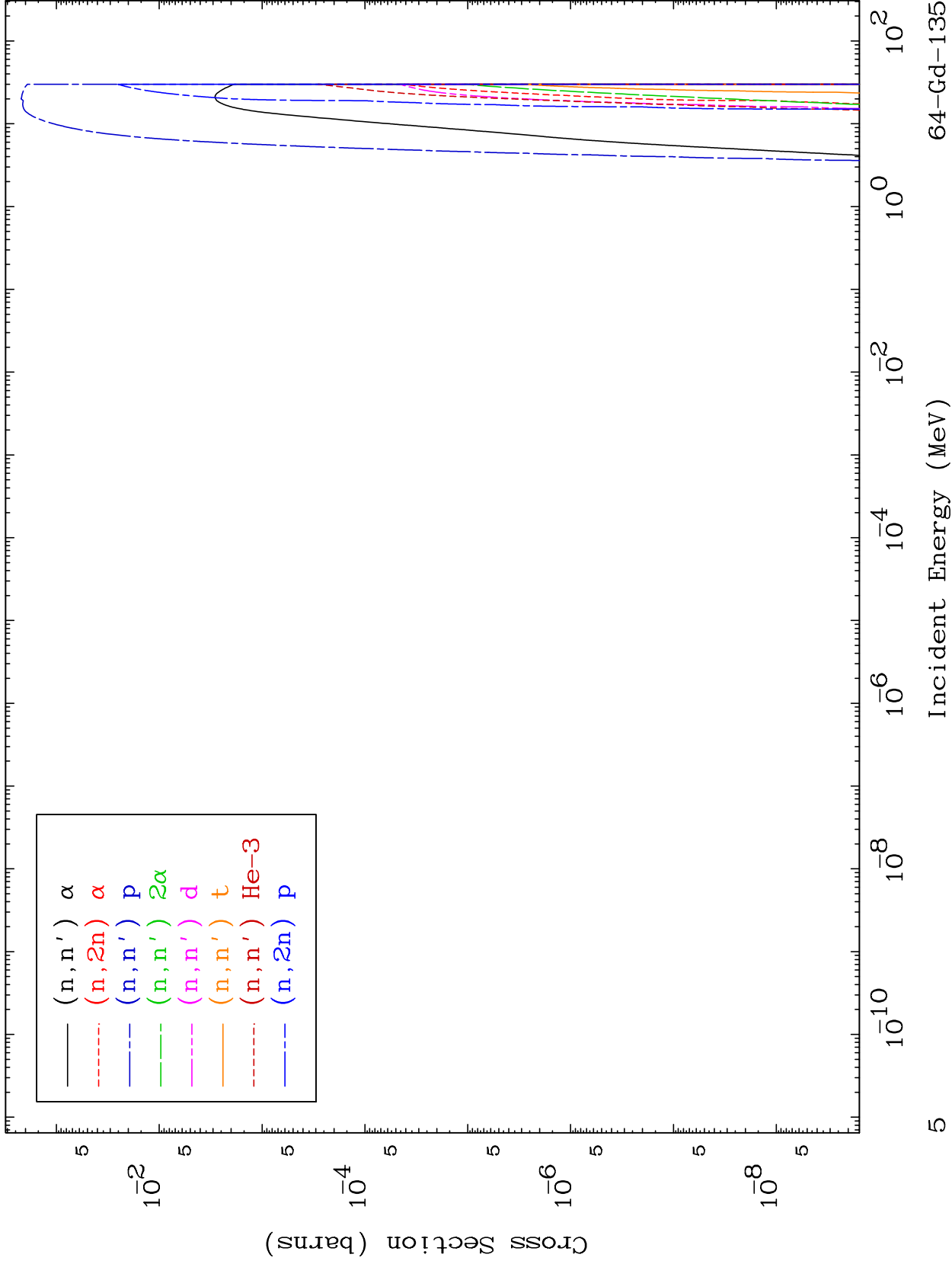
64-Gd-135



MAT 6374

Charged Particle  
293 Kelvin Cross Sections

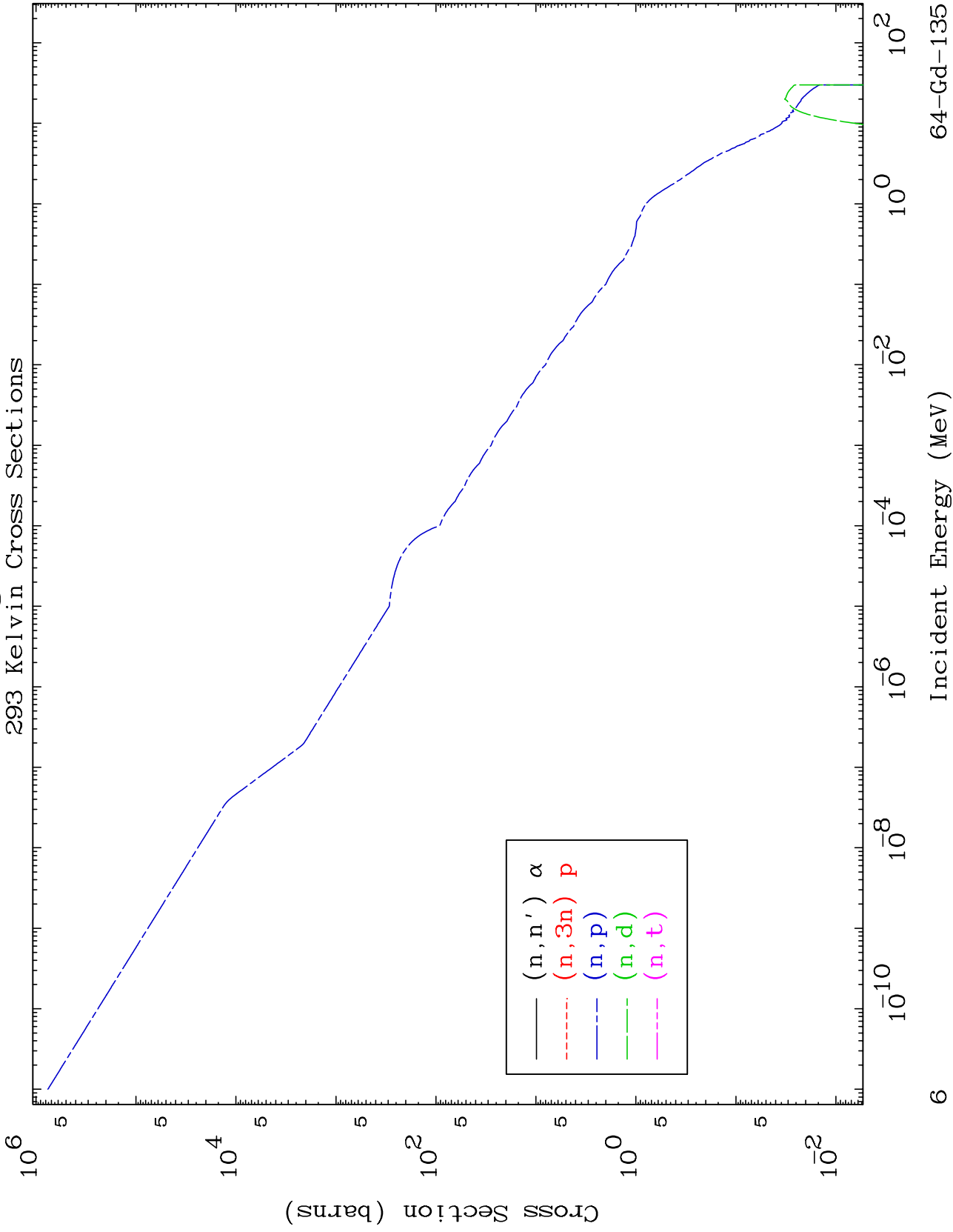
64-Gd-135



MAT 6374

Charged Particle  
293 Kelvin Cross Sections

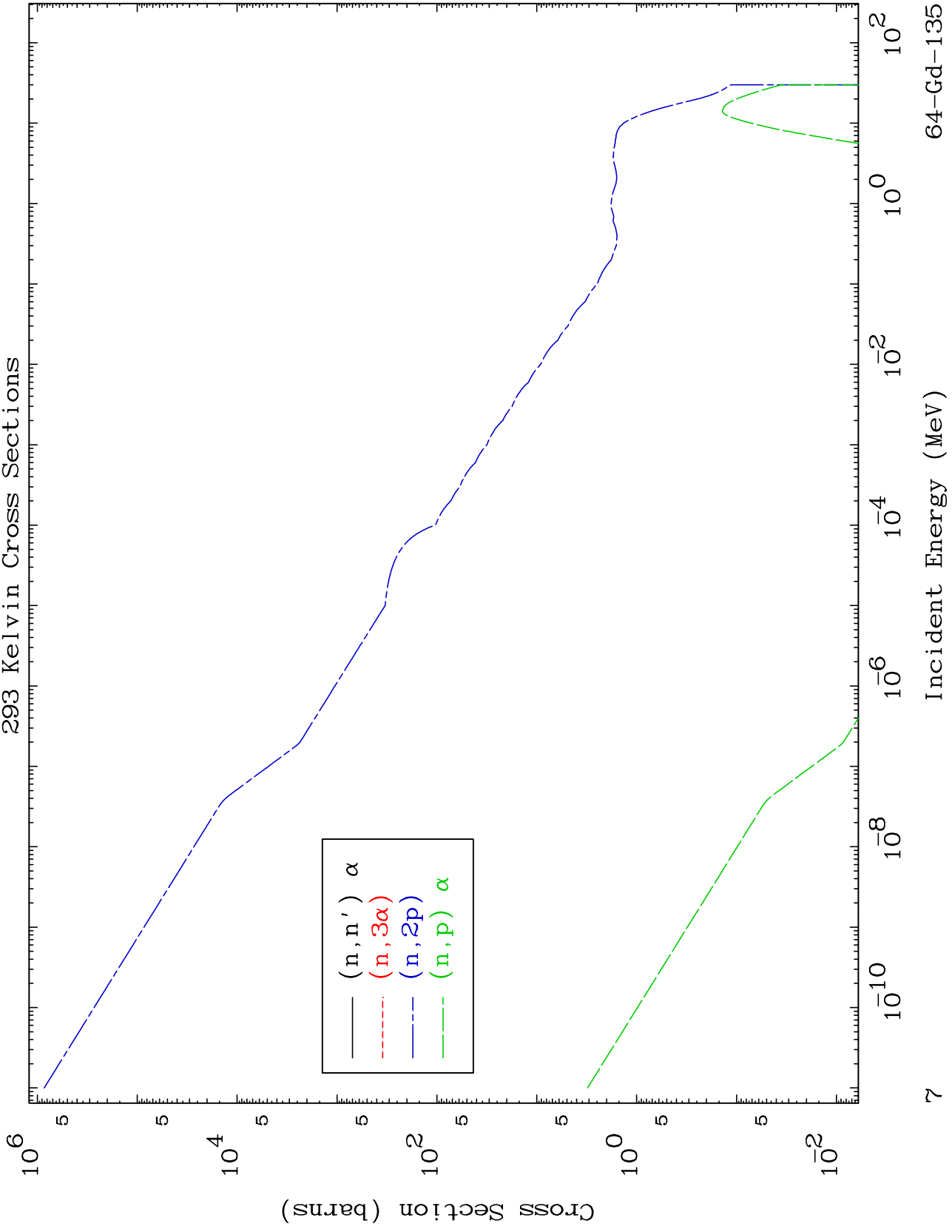
64-Gd-135



MAT 6374

Charged Particle  
293 Kelvin Cross Sections

64-Gd-135

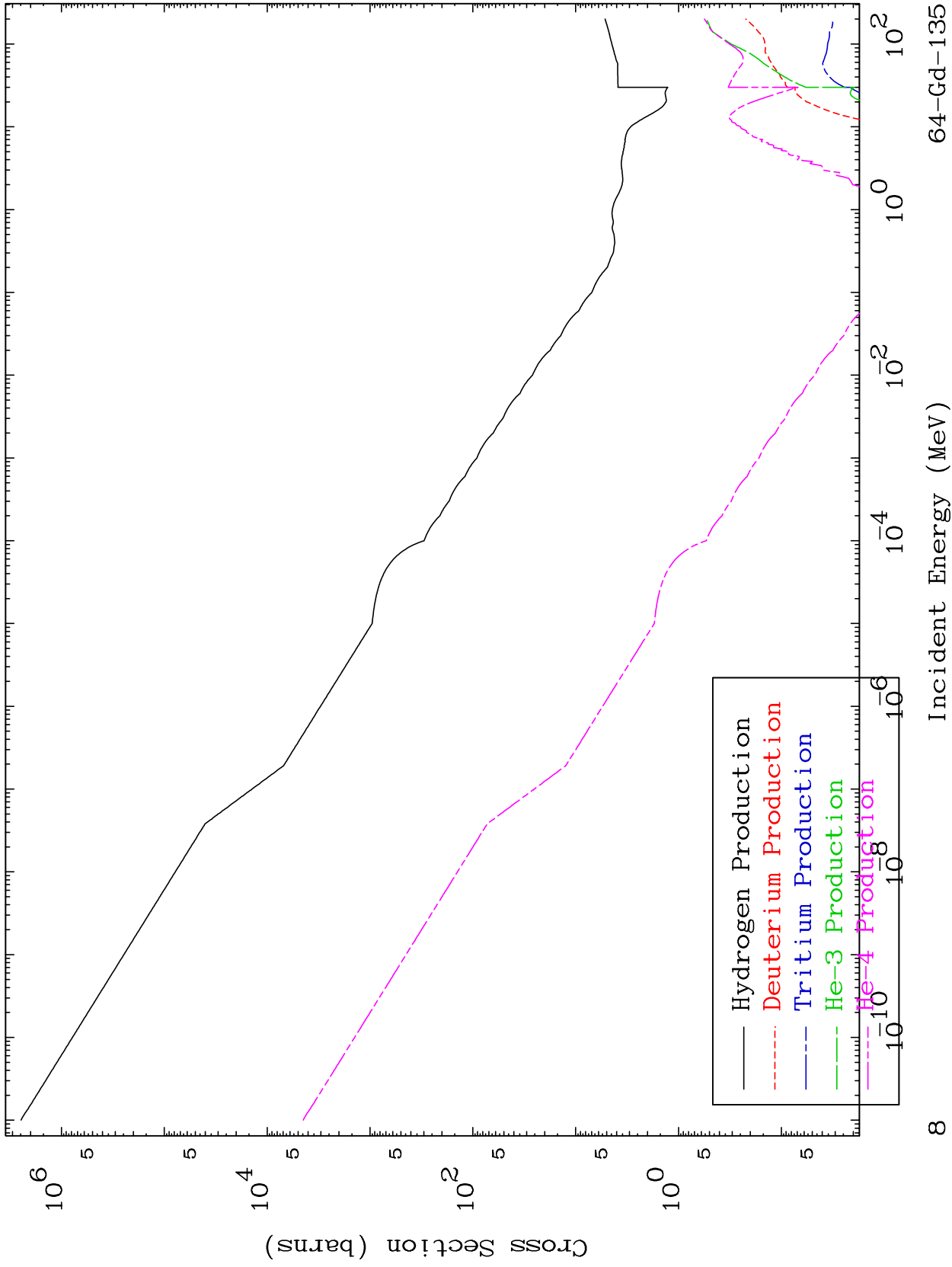


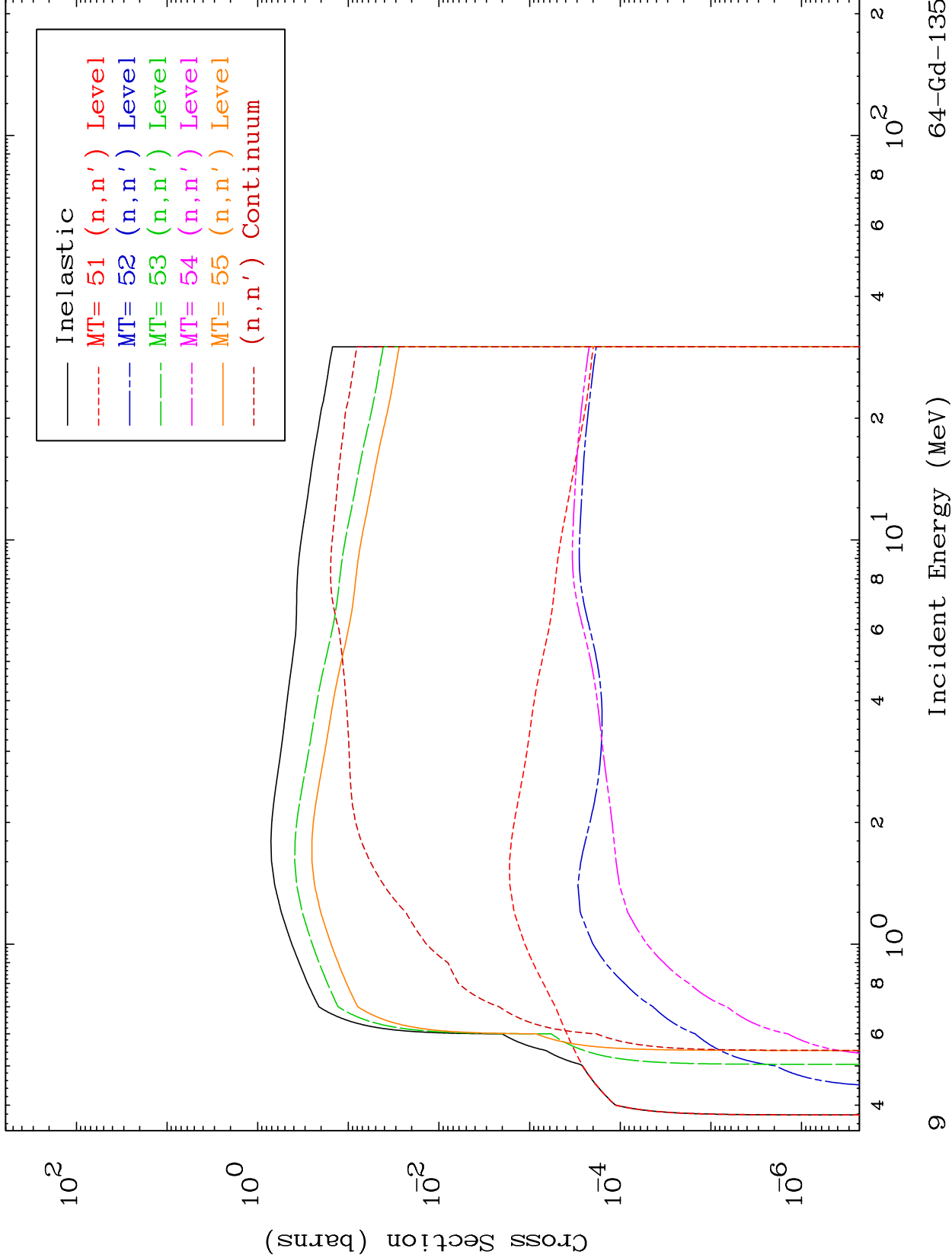


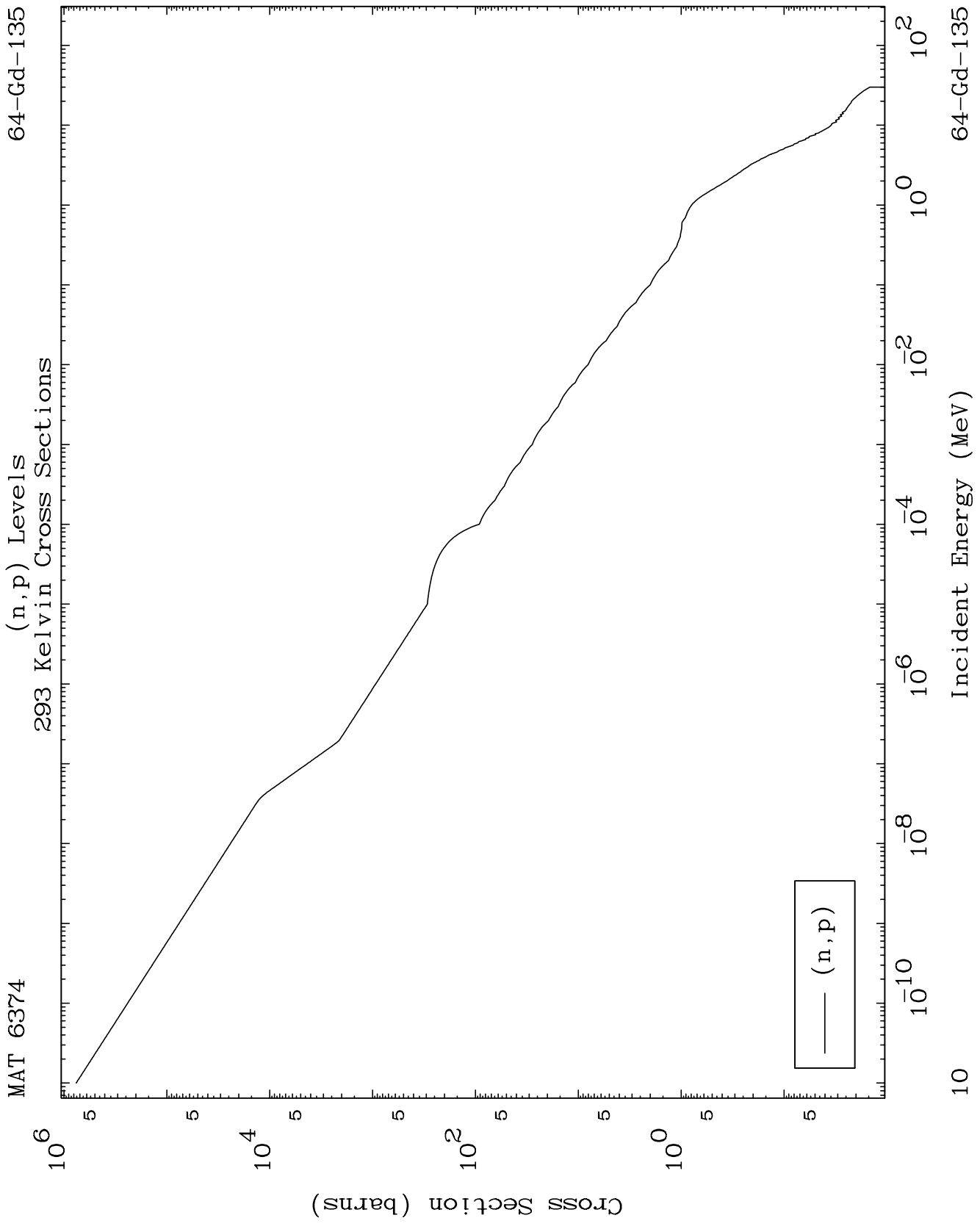
MAT 6374

Particle Production  
293 Kelvin Cross Sections

64-Gd-135



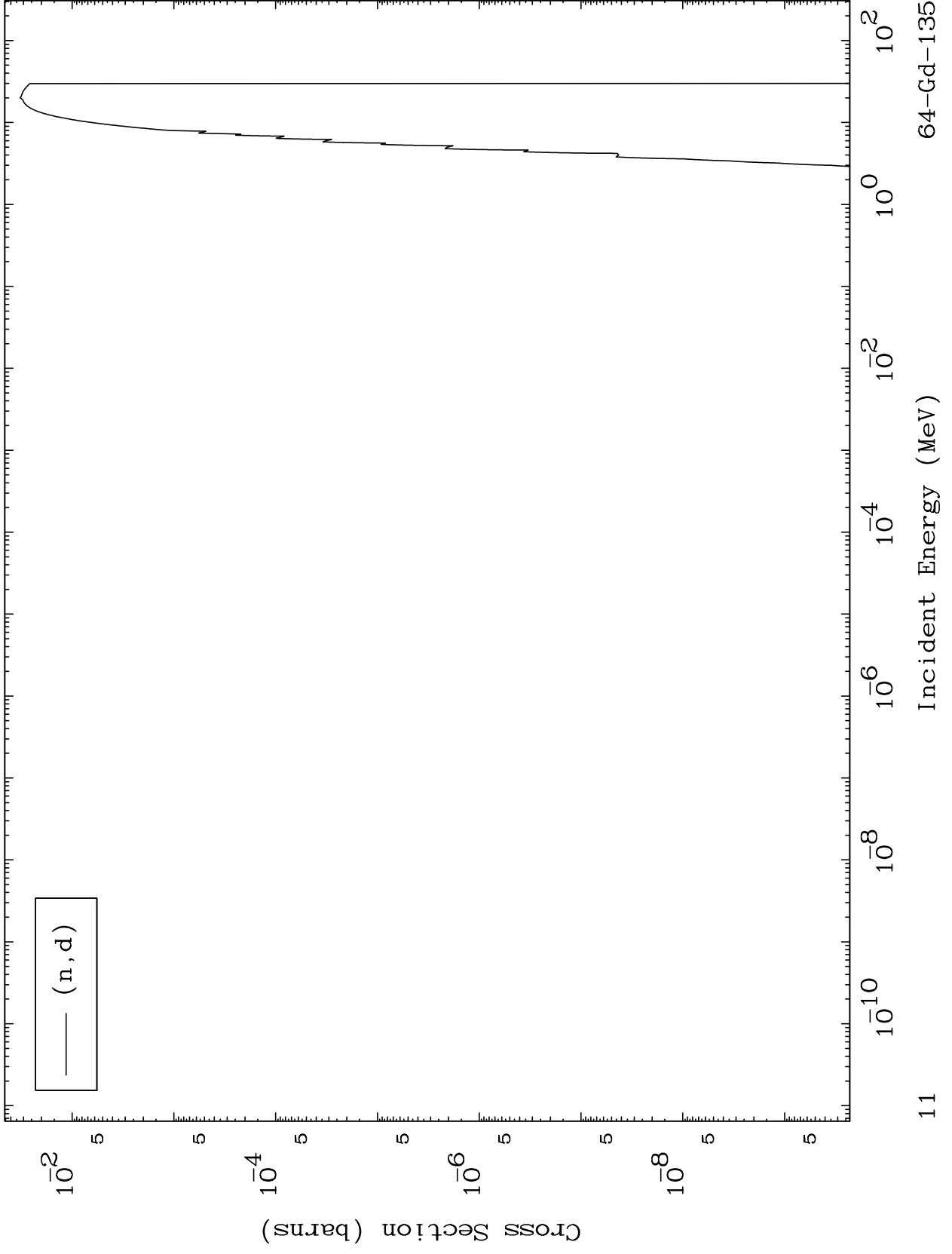




MAT 6374

(n,d) Levels  
293 Kelvin Cross Sections

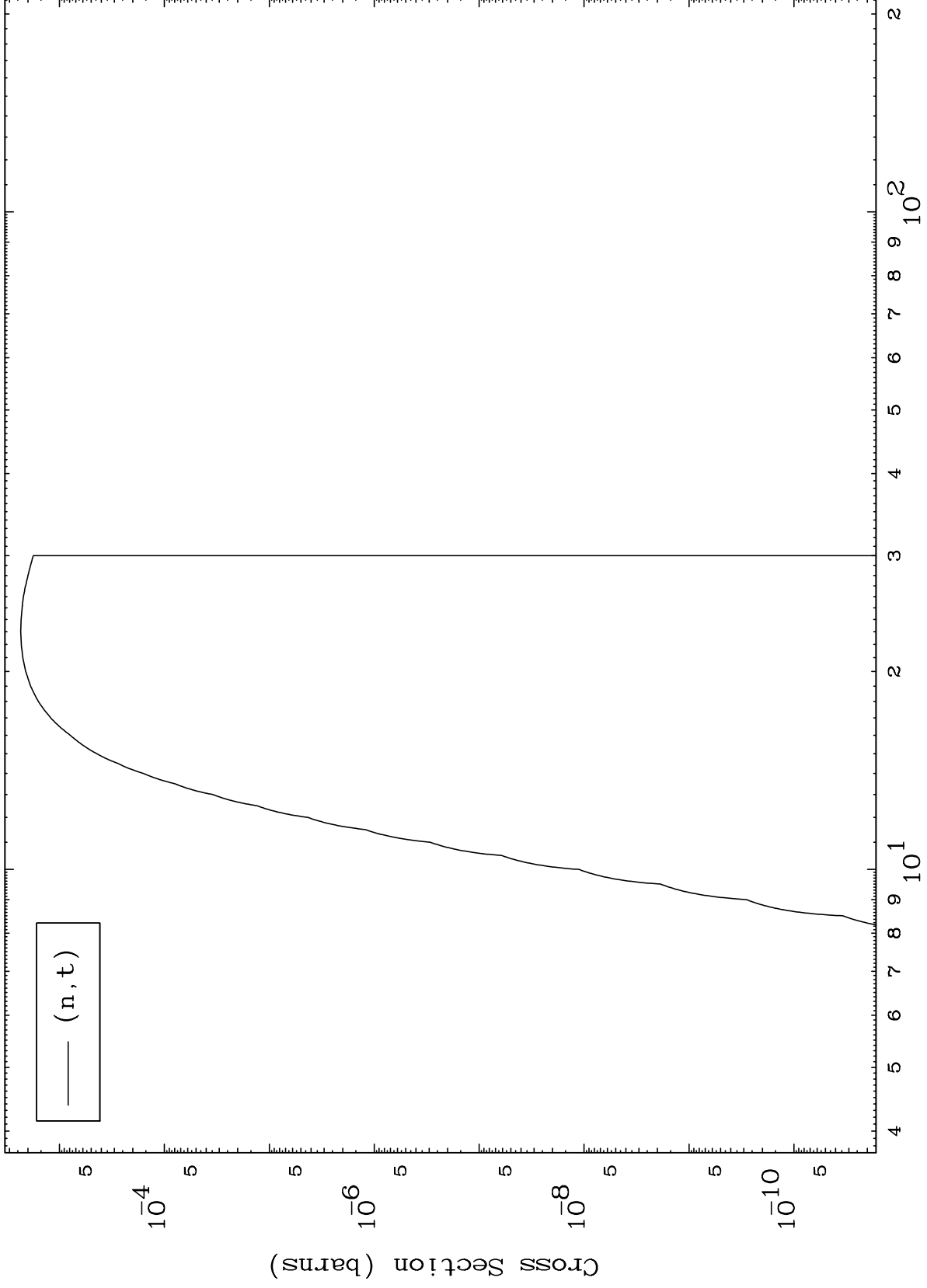
64-Gd-135



MAT 6374

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-135



12

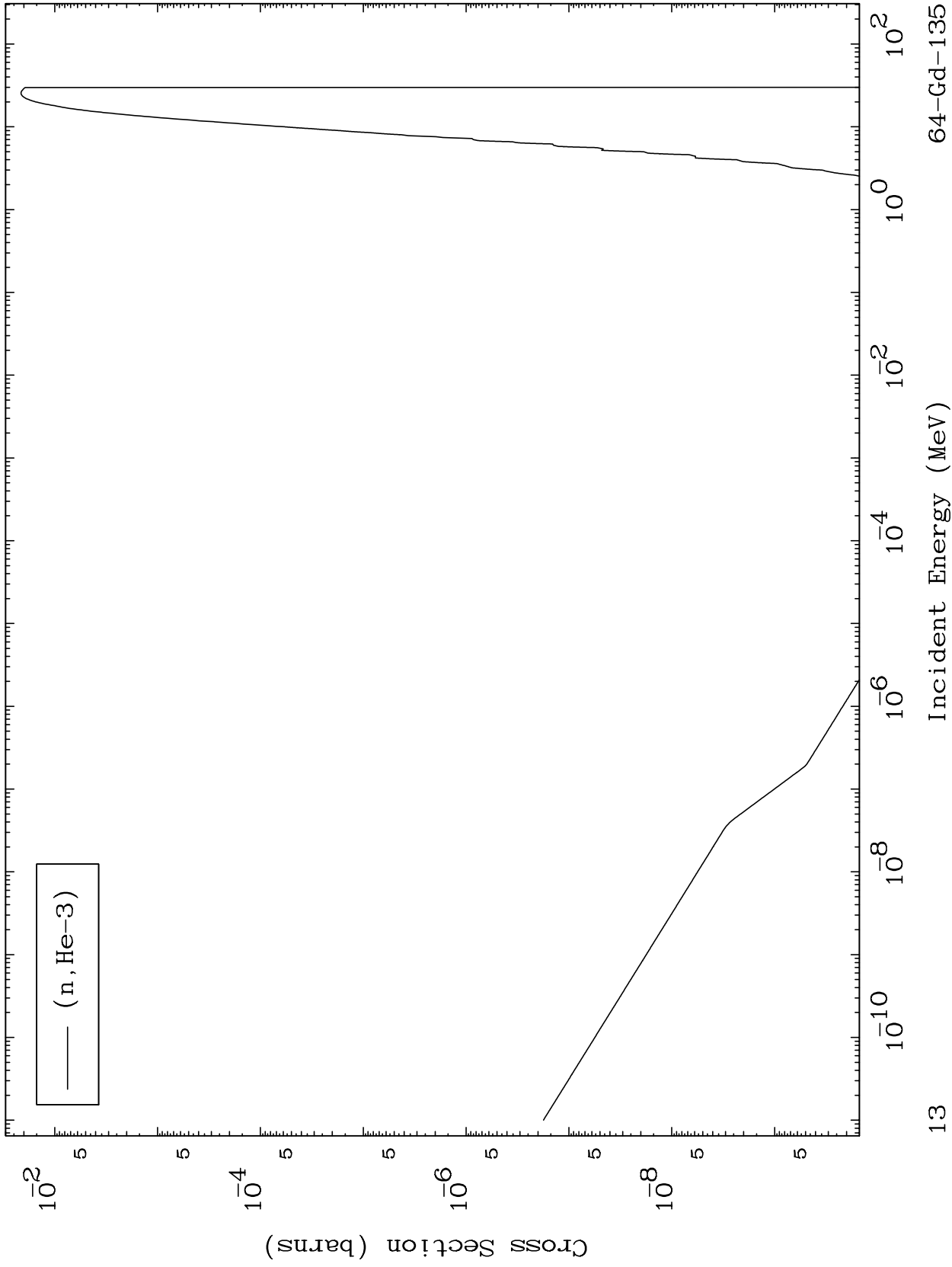
Incident Energy (MeV)

64-Gd-135

MAT 6374

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-135

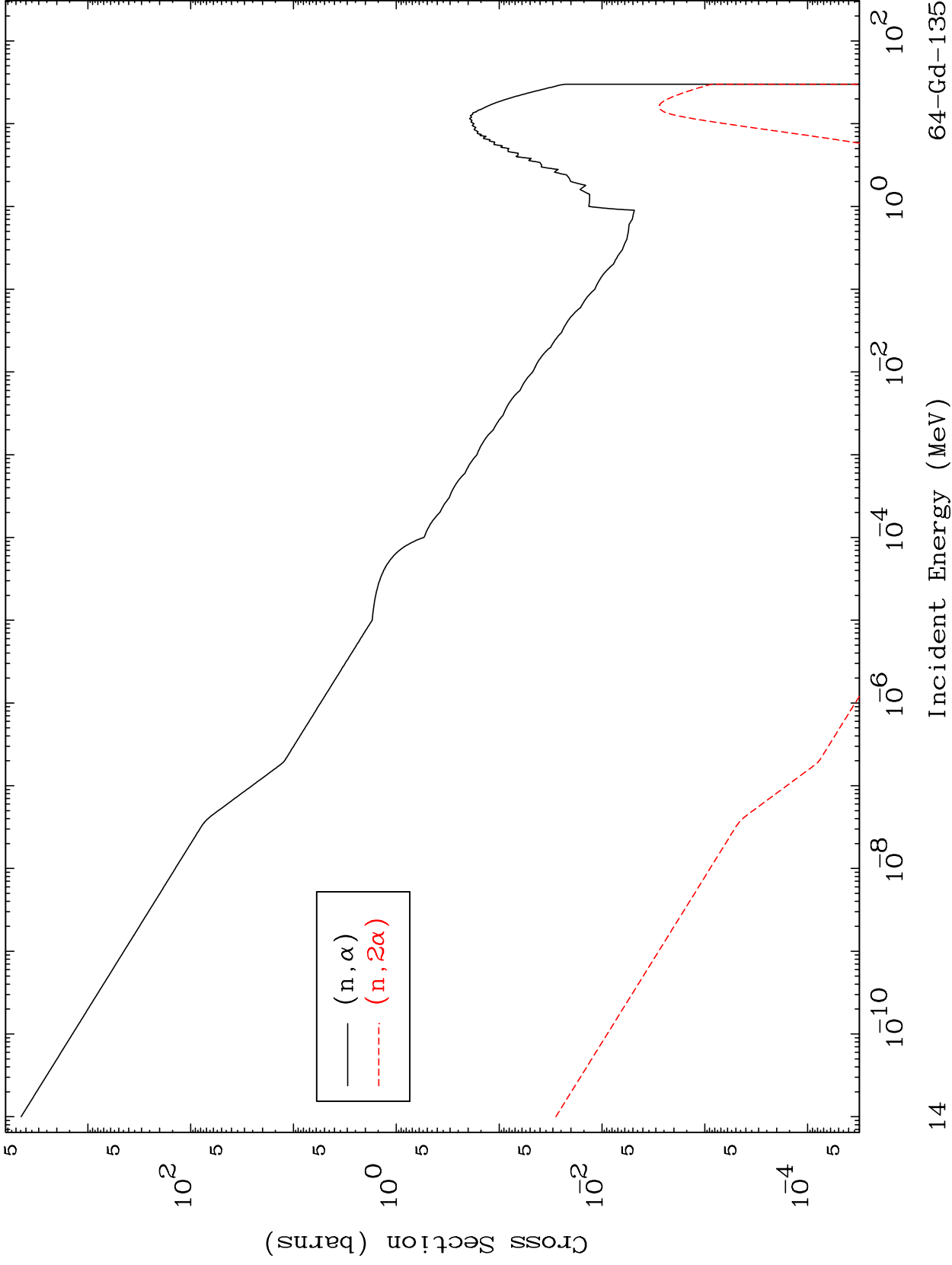


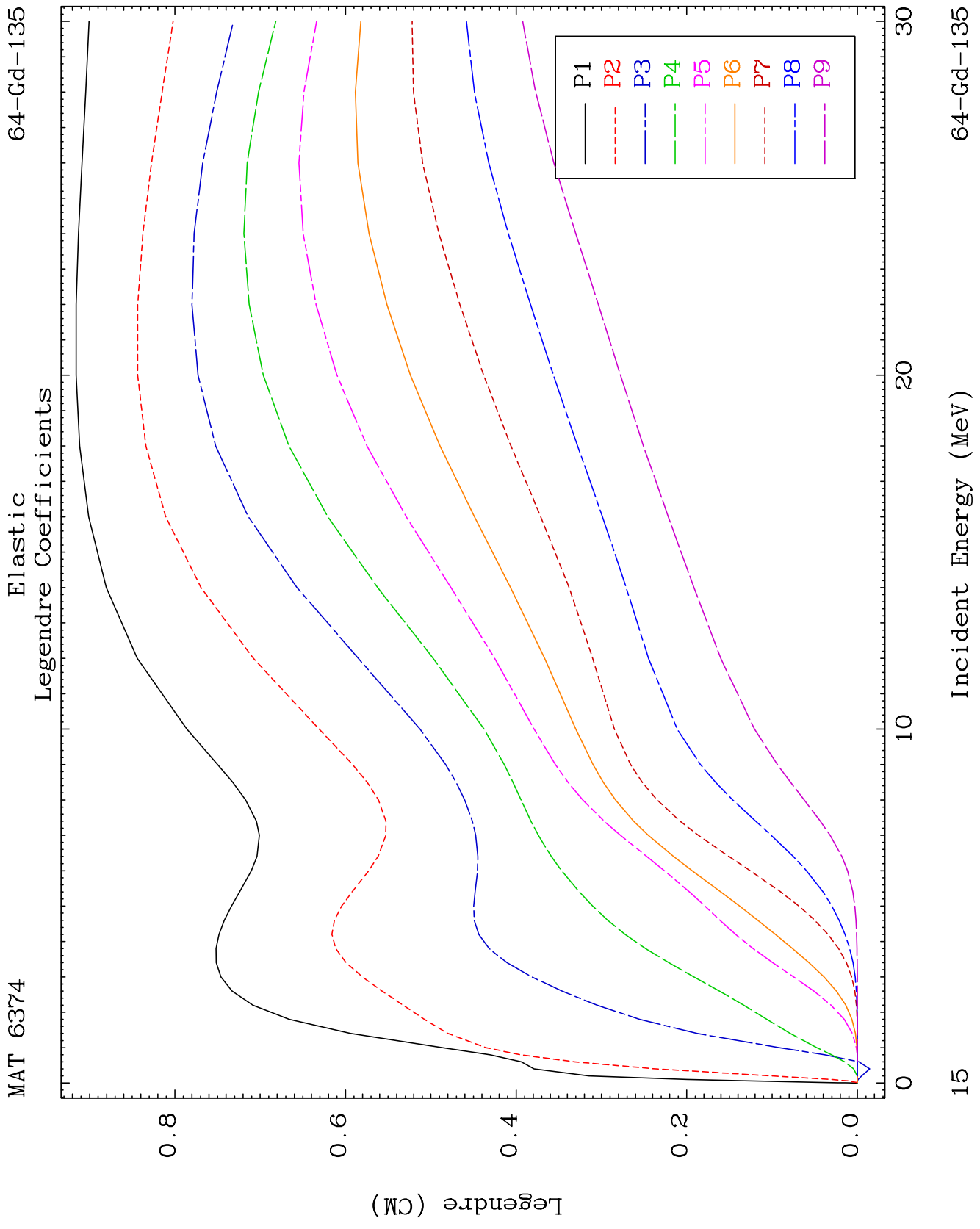
13

MAT 6374

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

64-Gd-135



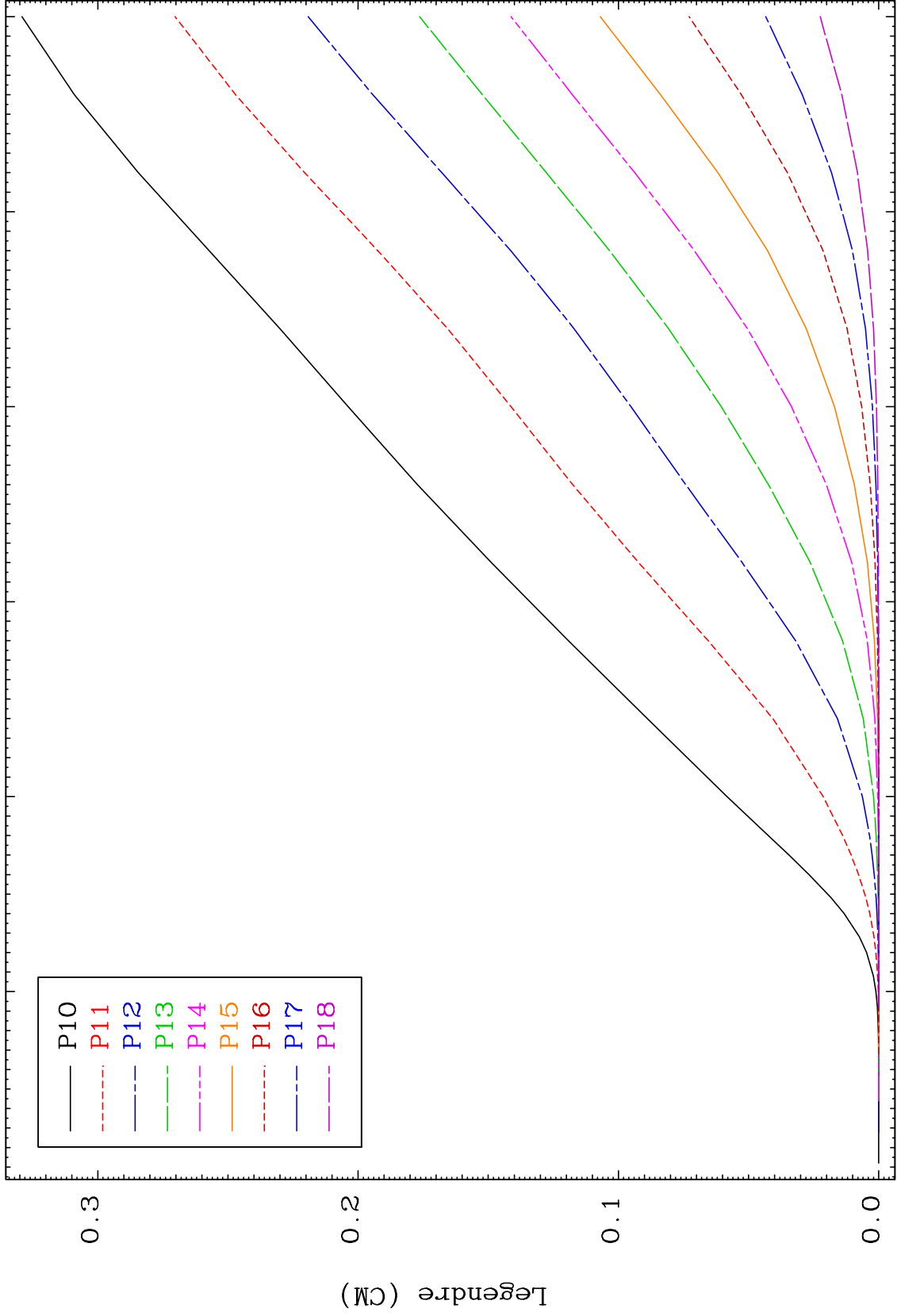




MAT 6374

Elastic Legendre Coefficients

64-Gd-135



16

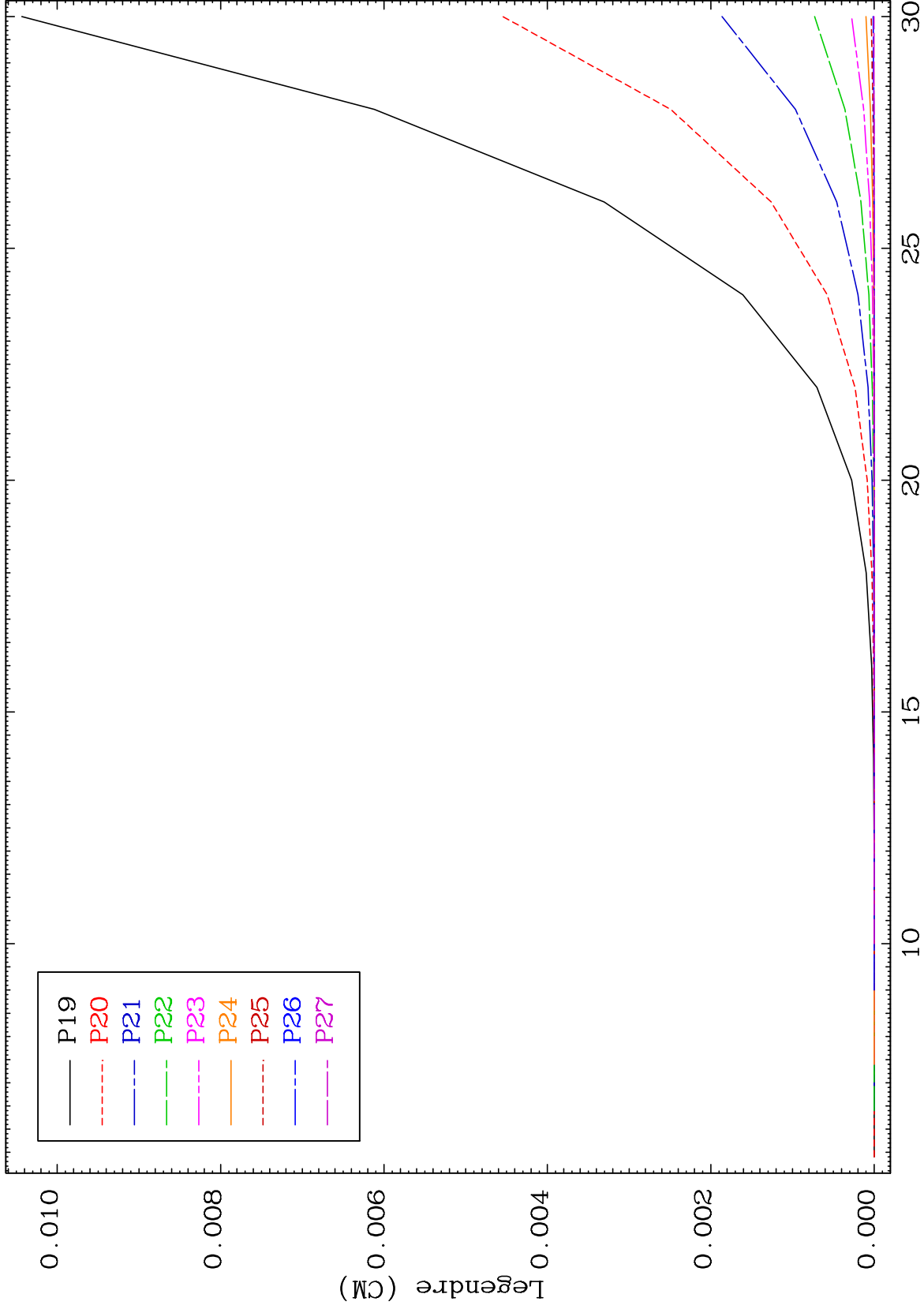
Incident Energy (MeV)

64-Gd-135

MAT 6374

### Elastic Legendre Coefficients

64-Gd-135



17

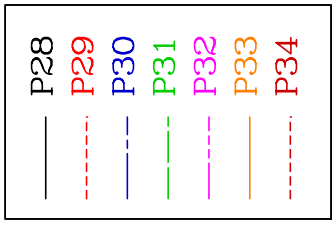
Incident Energy (MeV)

64-Gd-135

MAT 6374

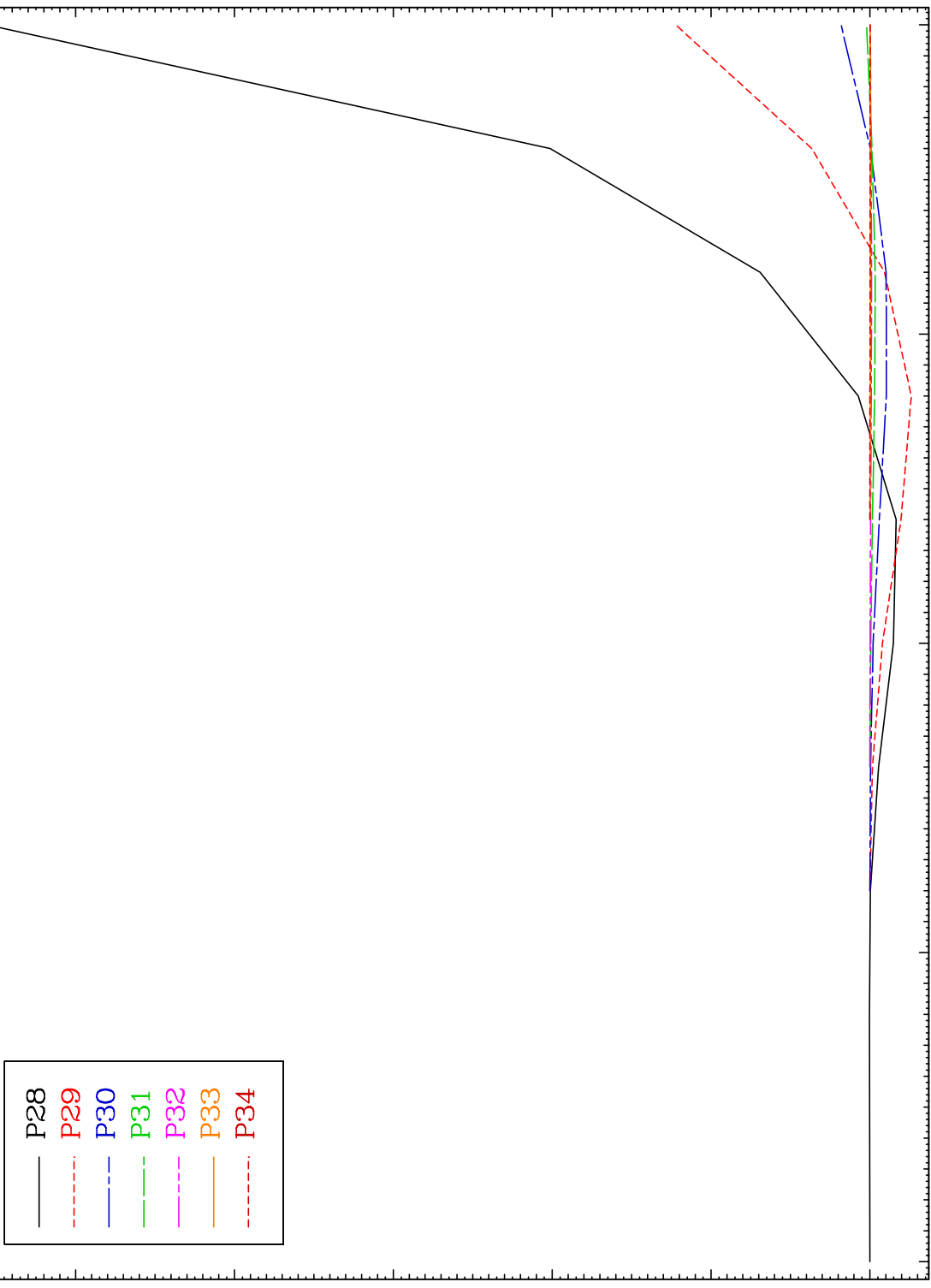
Elastic Legendre Coefficients

64-Gd-135



$\times 10^{-6}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

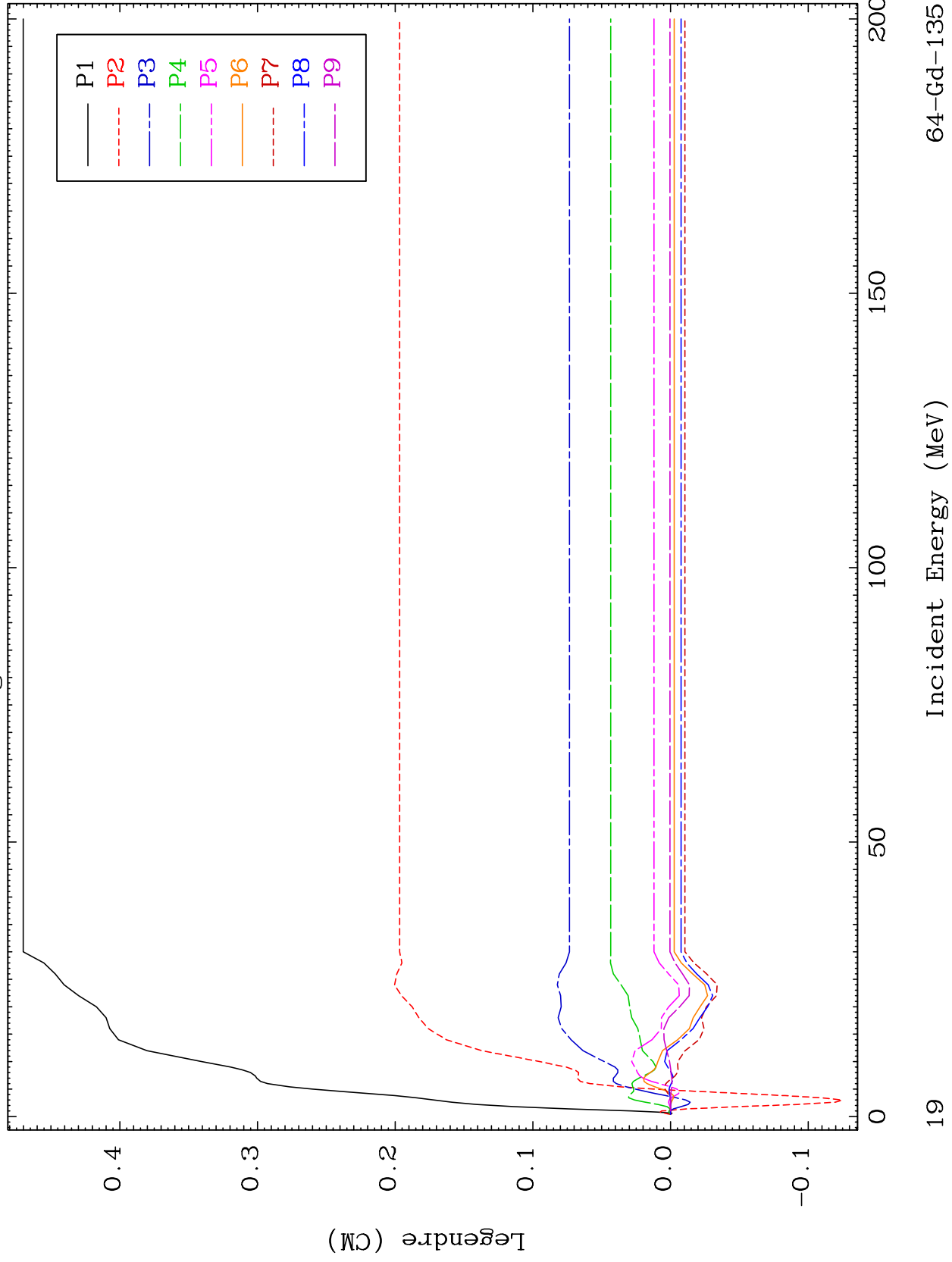
64-Gd-135

18

MAT 6374

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

64-Gd-135



64-Gd-135

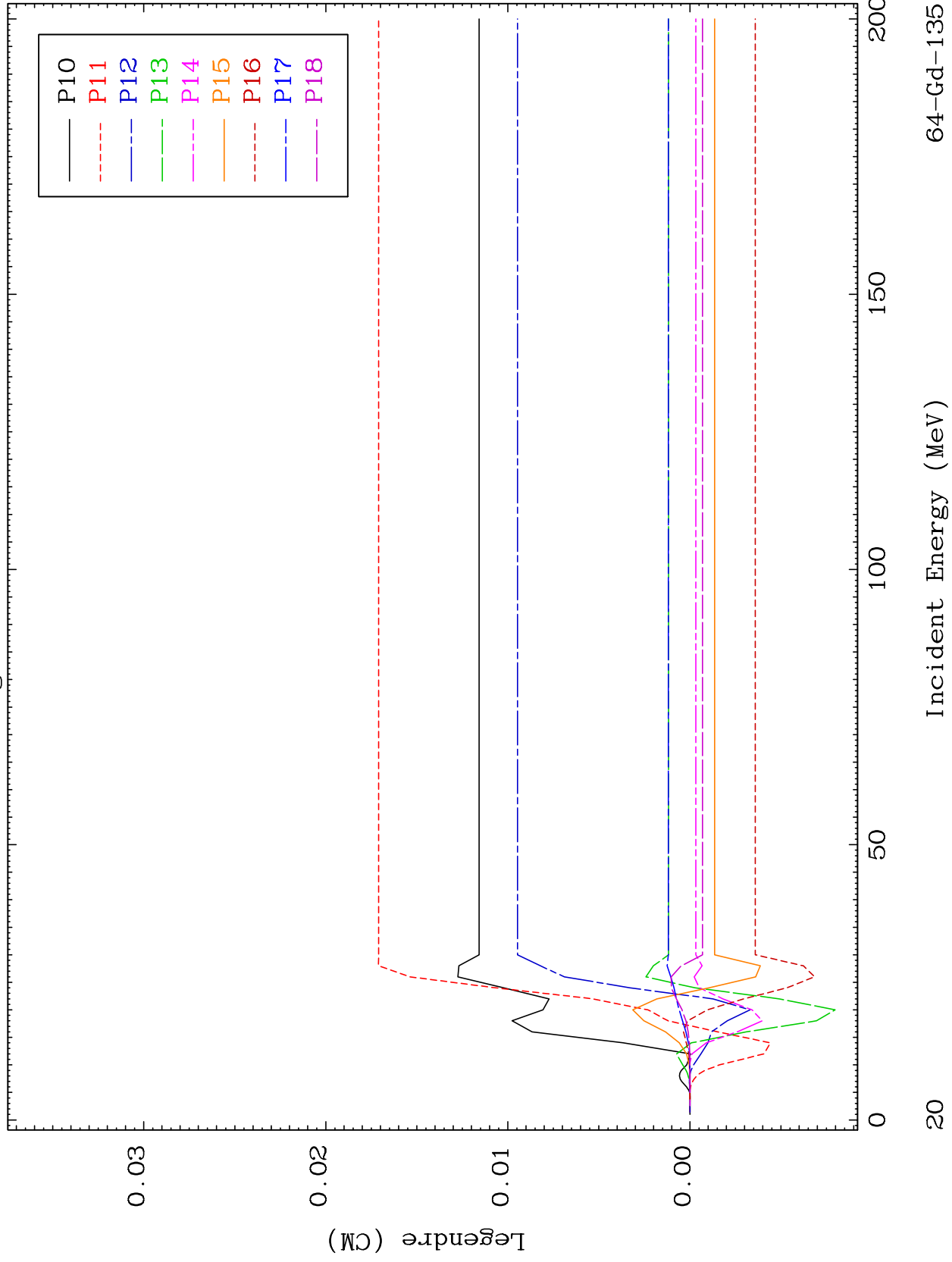
Incident Energy (MeV)

19

MAT 6374

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

64-Gd-135

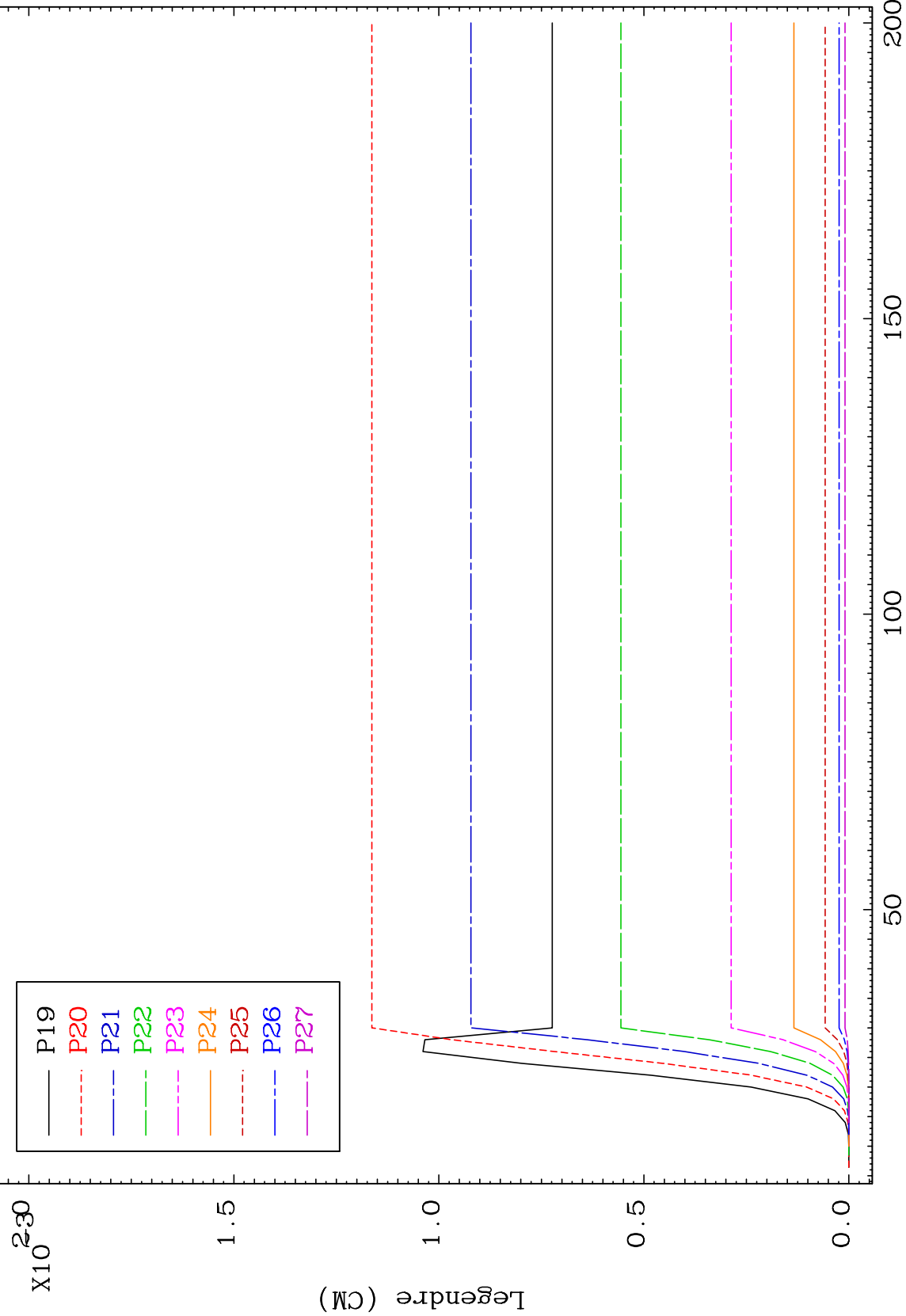


64-Gd-135

MAT 6374

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

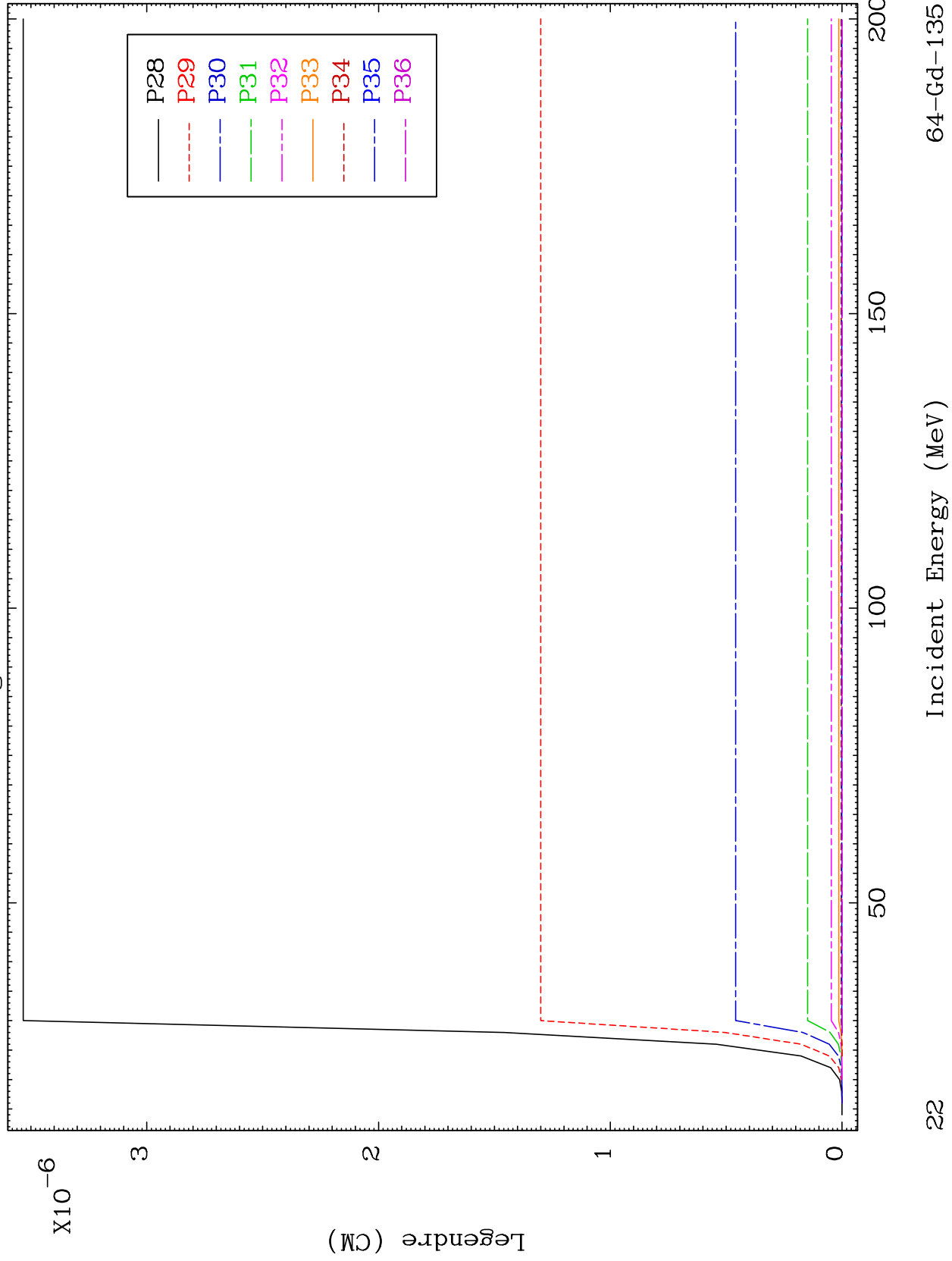
64-Gd-135



MAT 6374

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

64-Gd-135



22

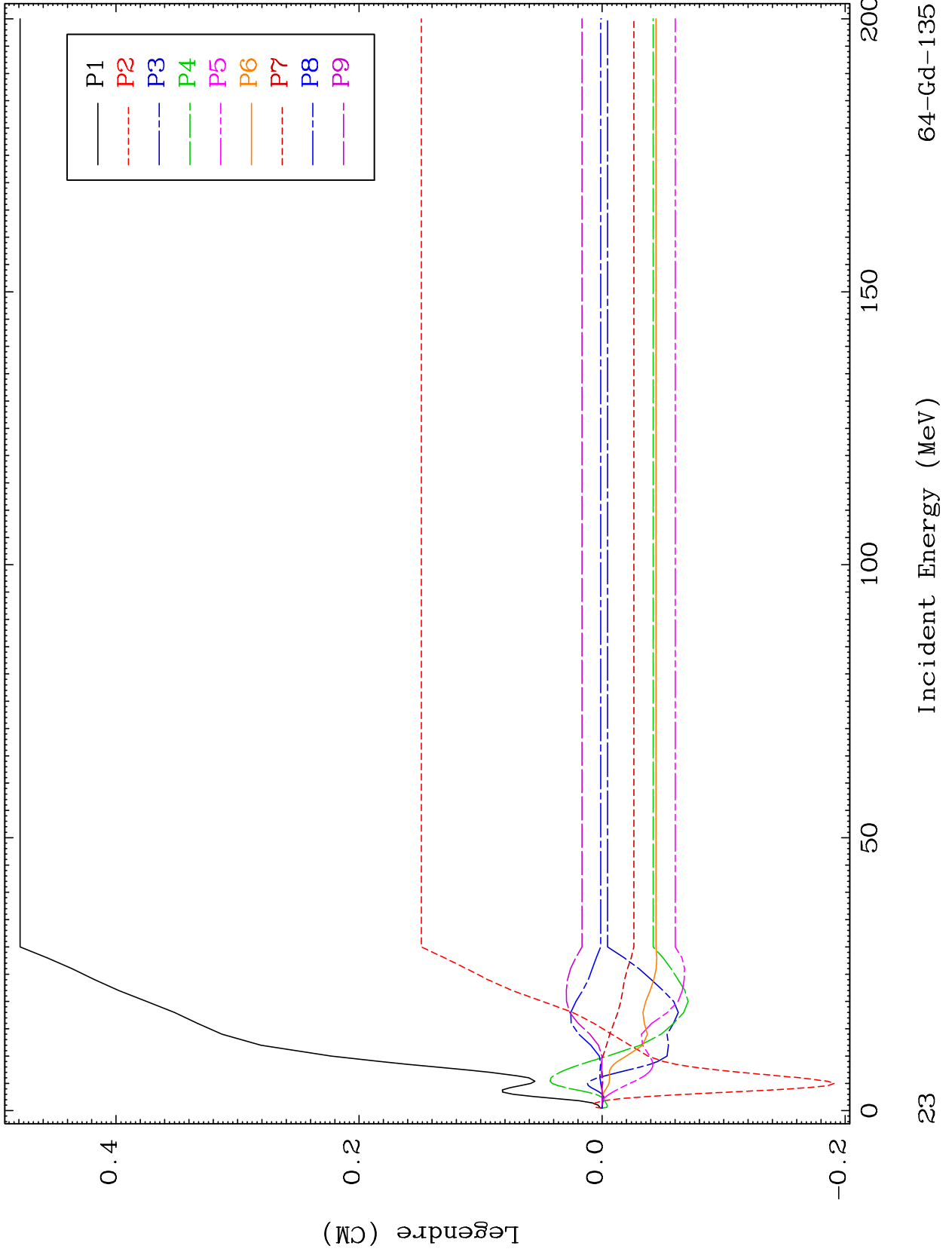
Incident Energy (MeV)

64-Gd-135

MAT 6374

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

64-Gd-135



23

Incident Energy (MeV)

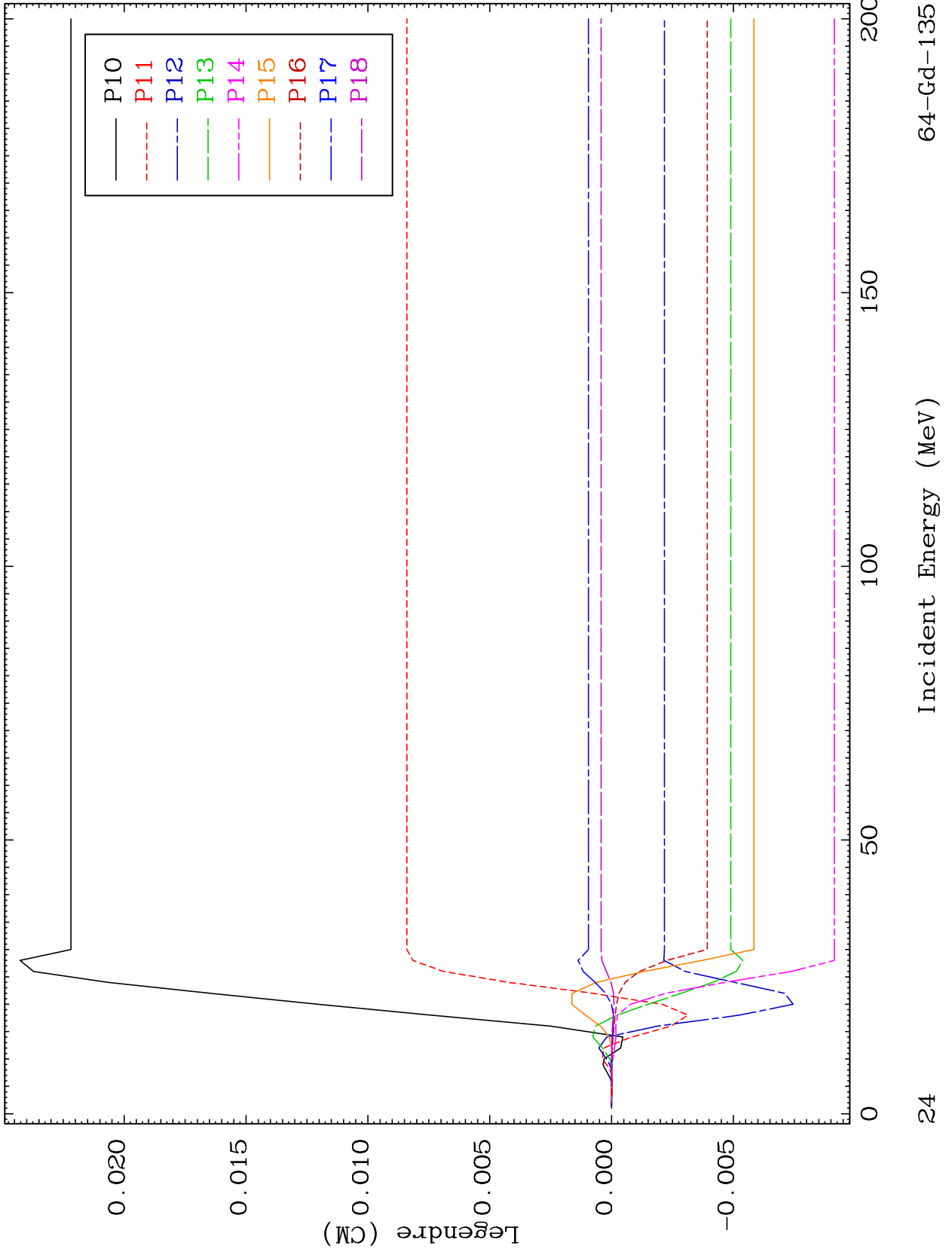
64-Gd-135



MAT 6374

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

64-Gd-135



24

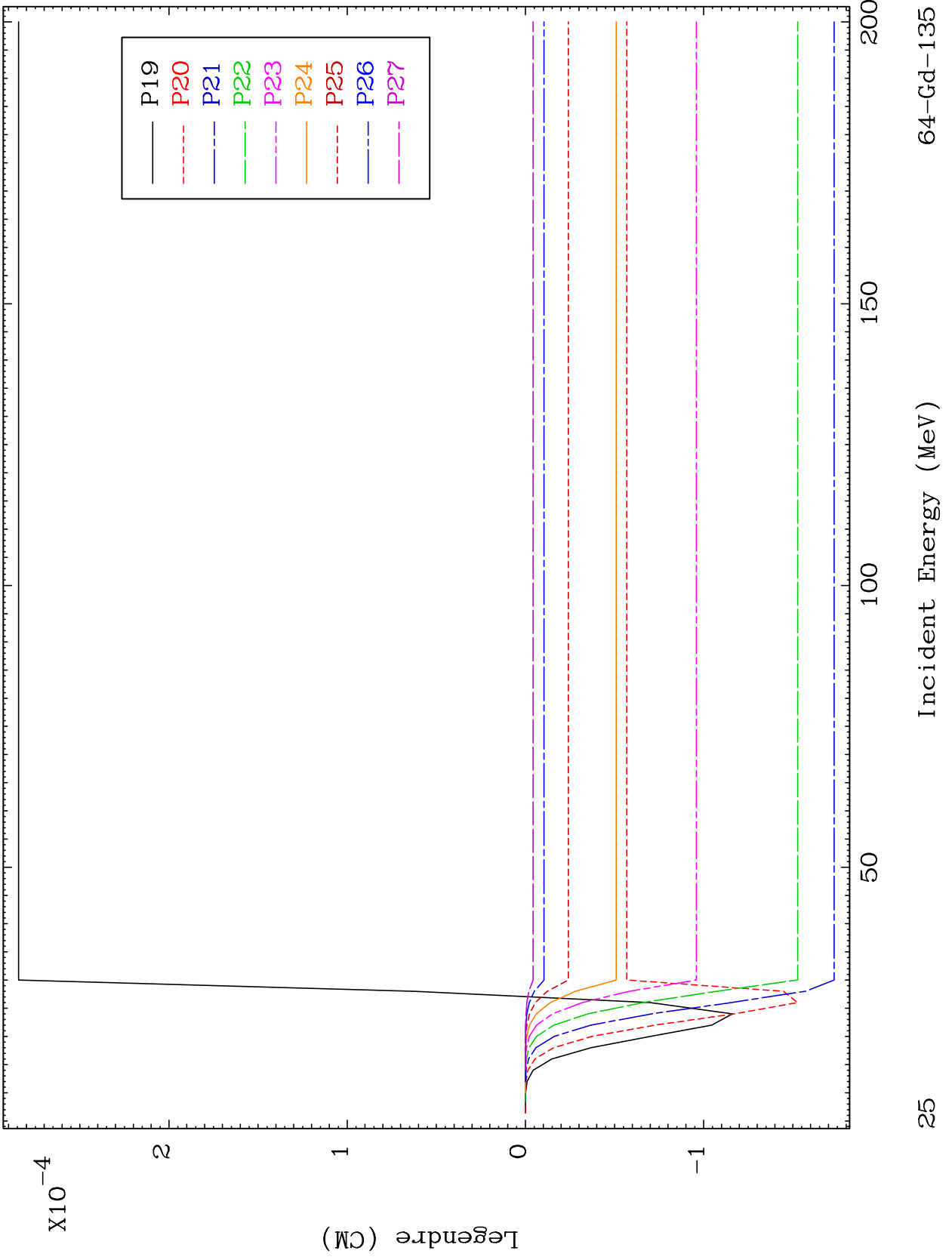
Incident Energy (MeV)

64-Gd-135

MAT 6374

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

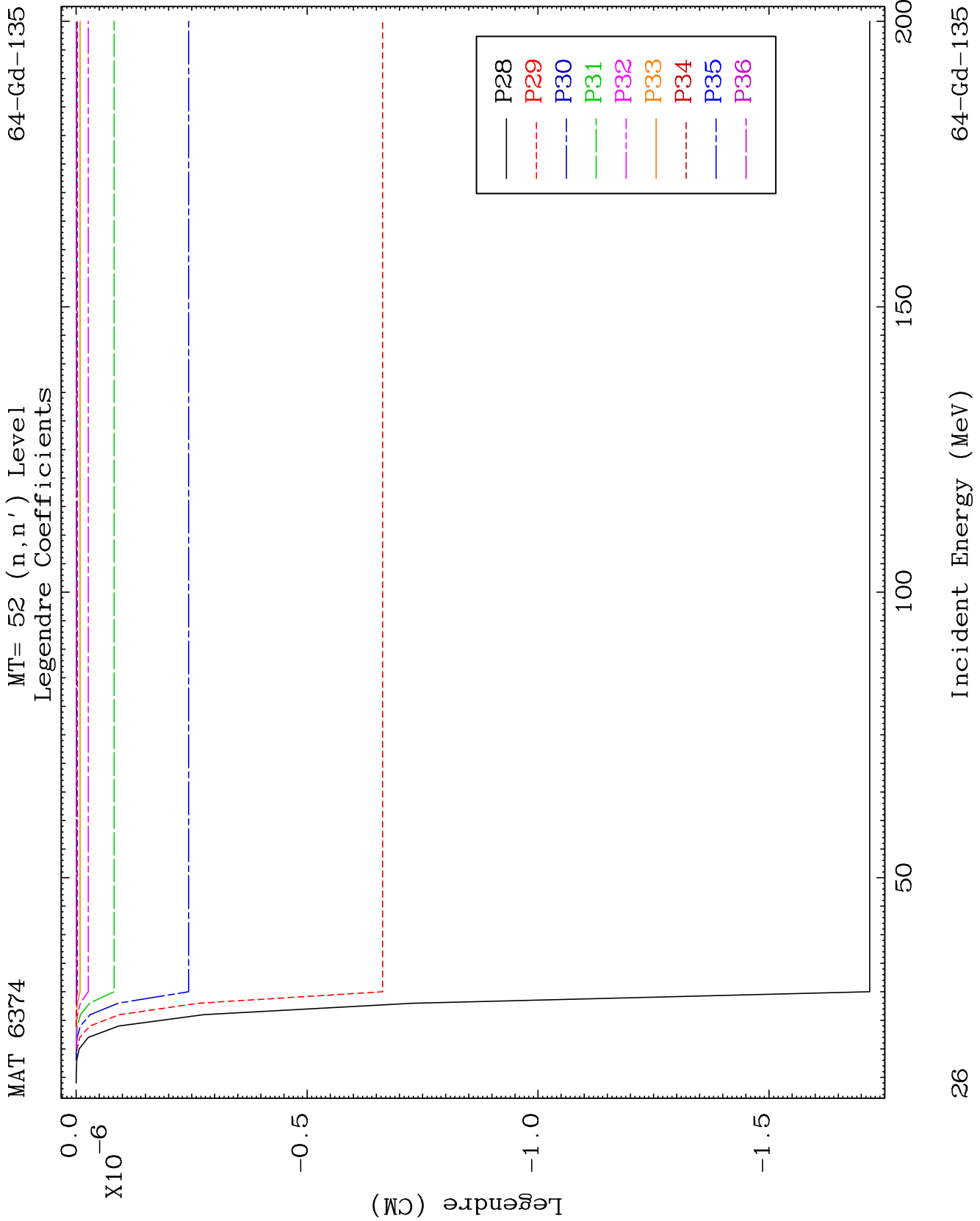
64-Gd-135



25

Incident Energy (MeV)

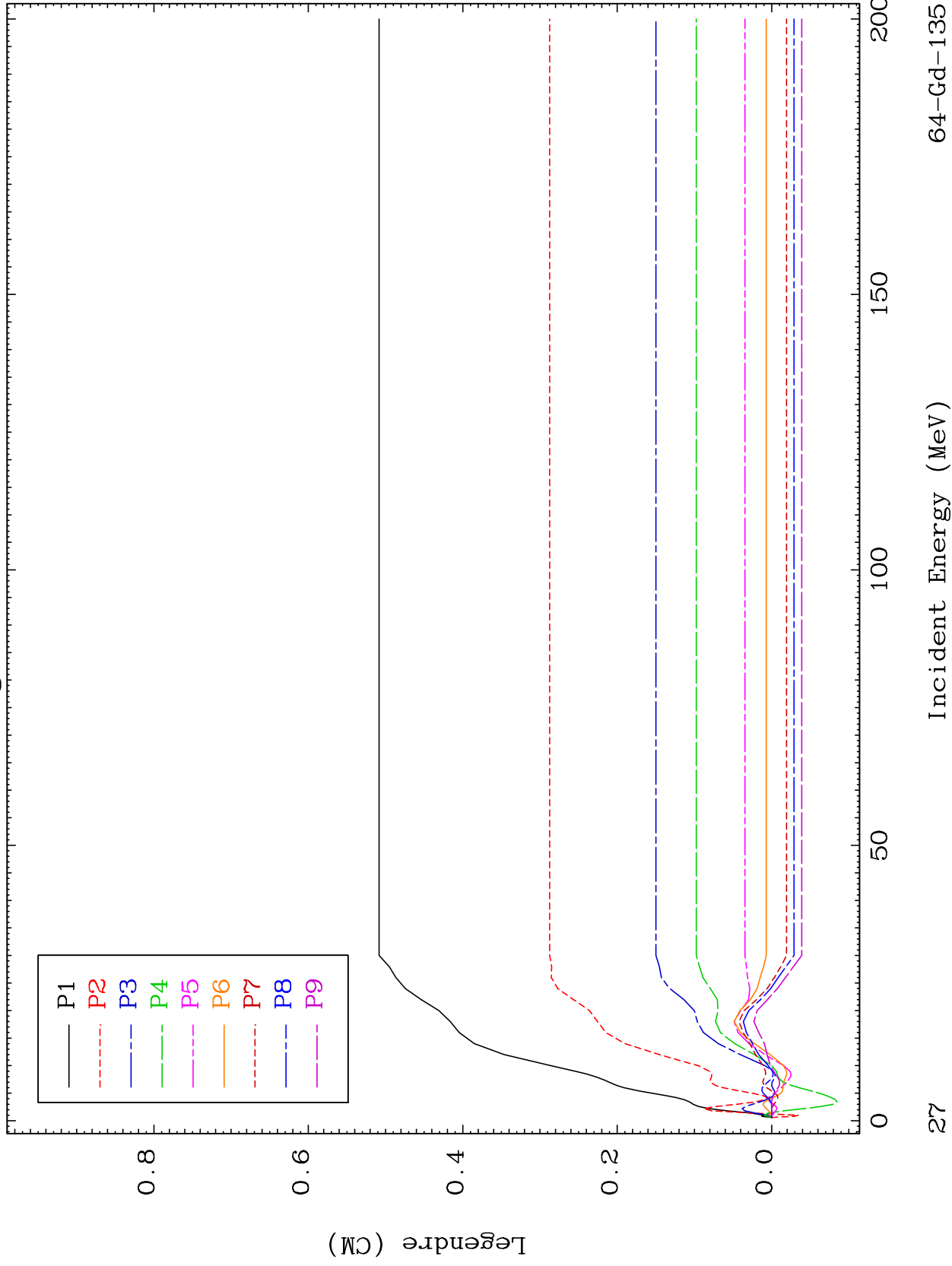
64-Gd-135



MAT 6374

MT= 53 (n,n') Level  
Legendre Coefficients

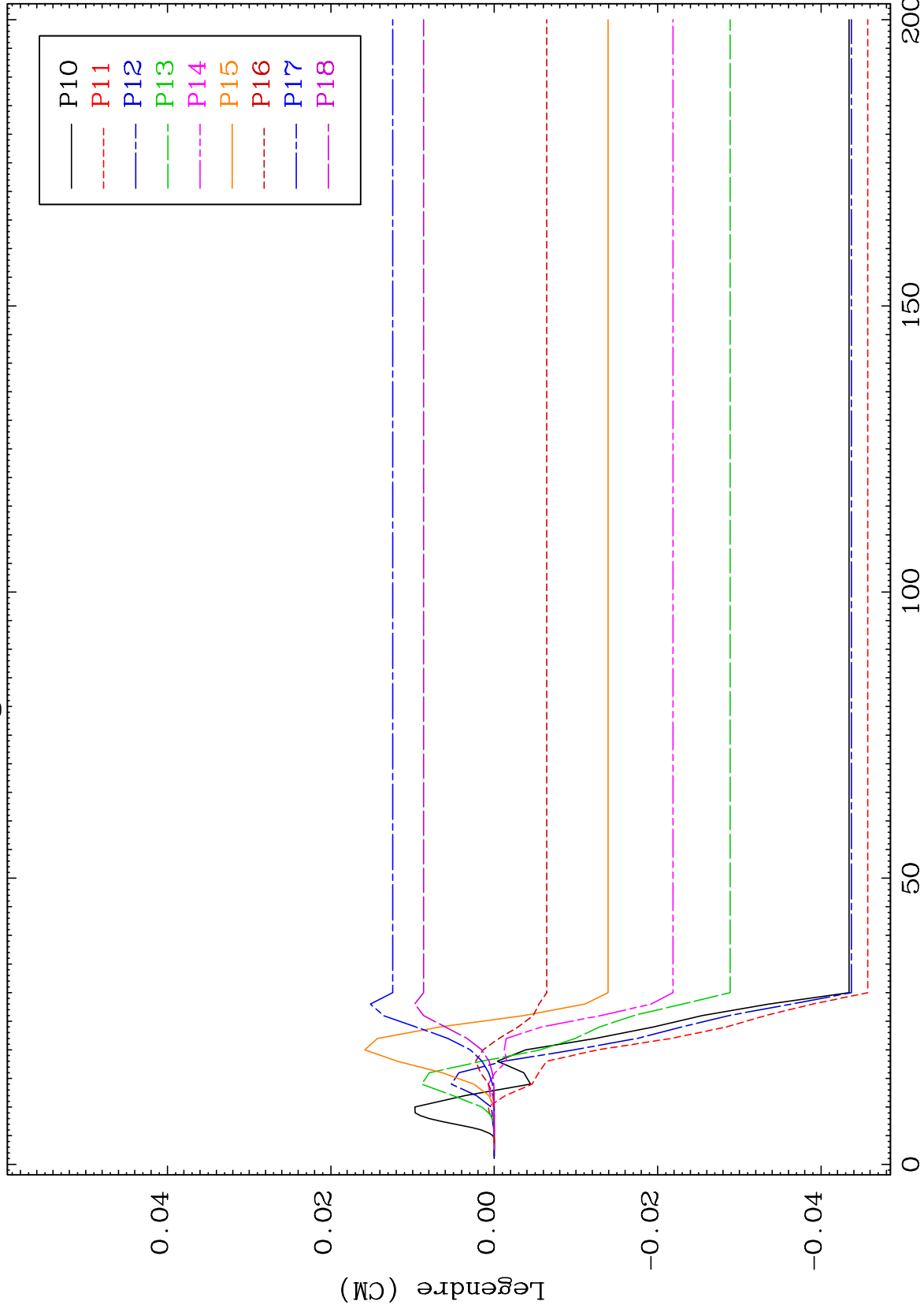
64-Gd-135



MAT 6374

MT= 53 (n,n') Level  
Legendre Coefficients

64-Gd-135



28

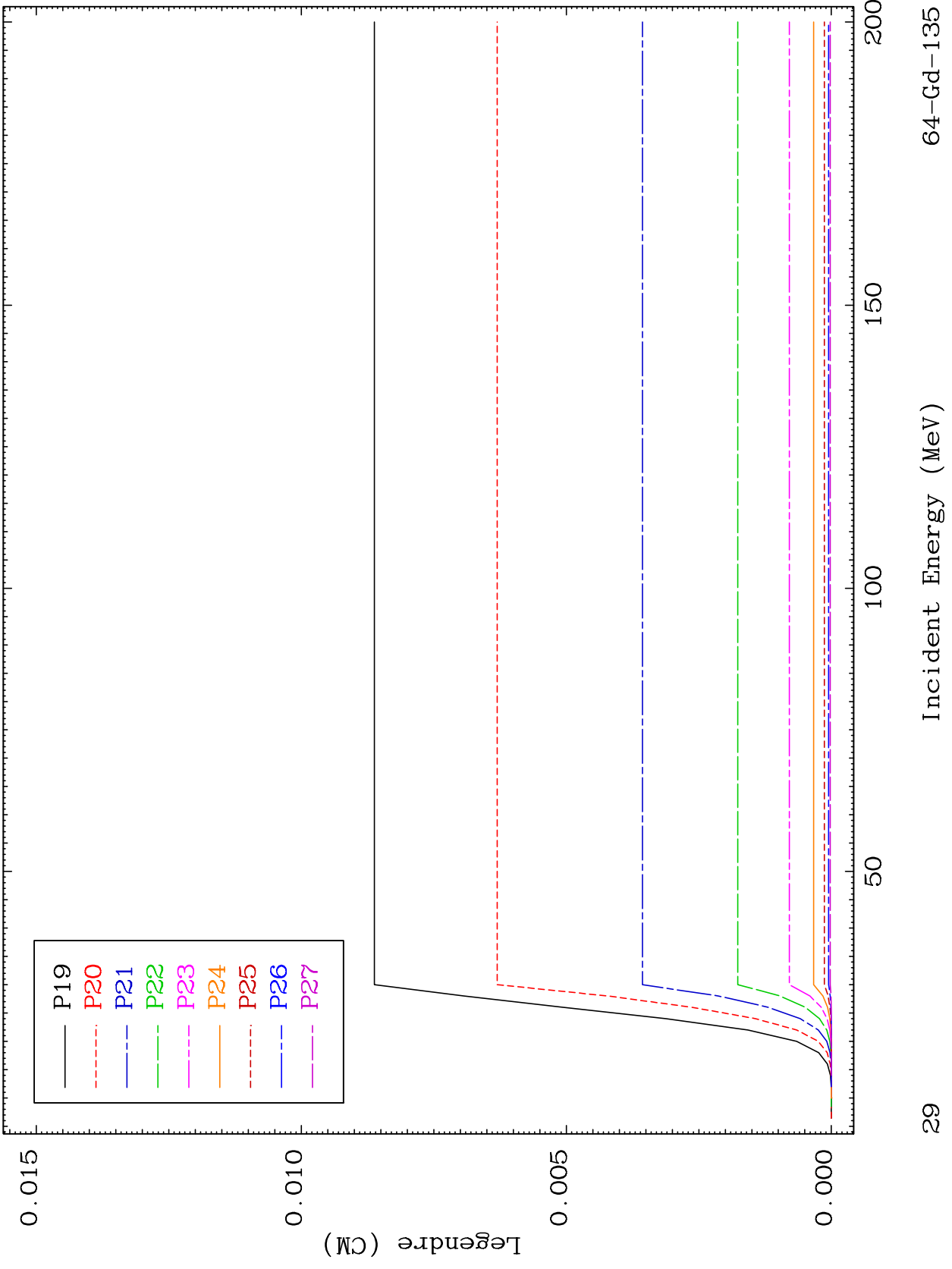
Incident Energy (MeV)

64-Gd-135

MAT 6374

MT= 53 (n,n') Level  
Legendre Coefficients

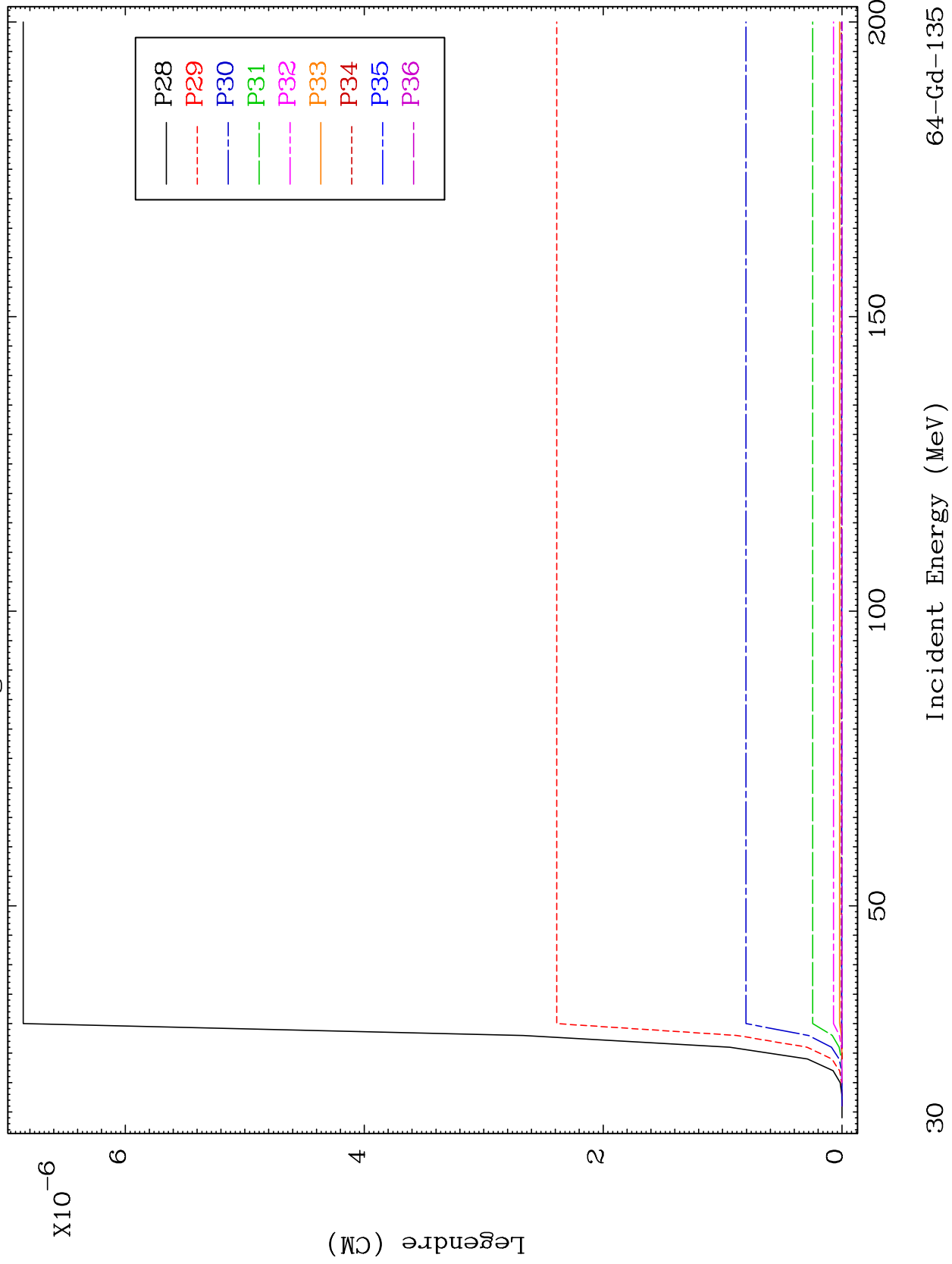
64-Gd-135



MAT 6374

MT= 53 (n,n') Level  
Legendre Coefficients

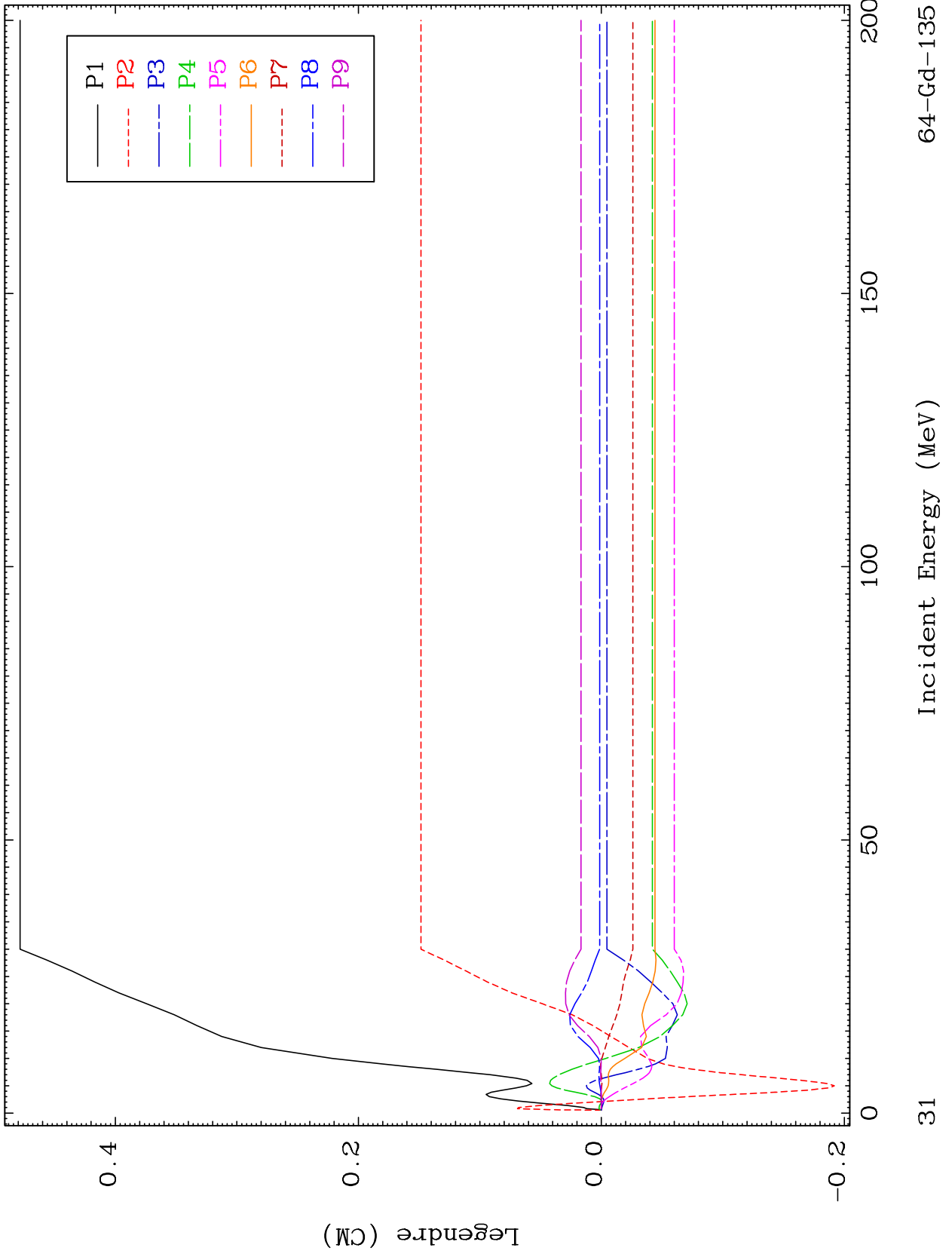
64-Gd-135



MAT 6374

MT= 54 (n,n') Level  
Legendre Coefficients

64-Gd-135



31

Incident Energy (MeV)

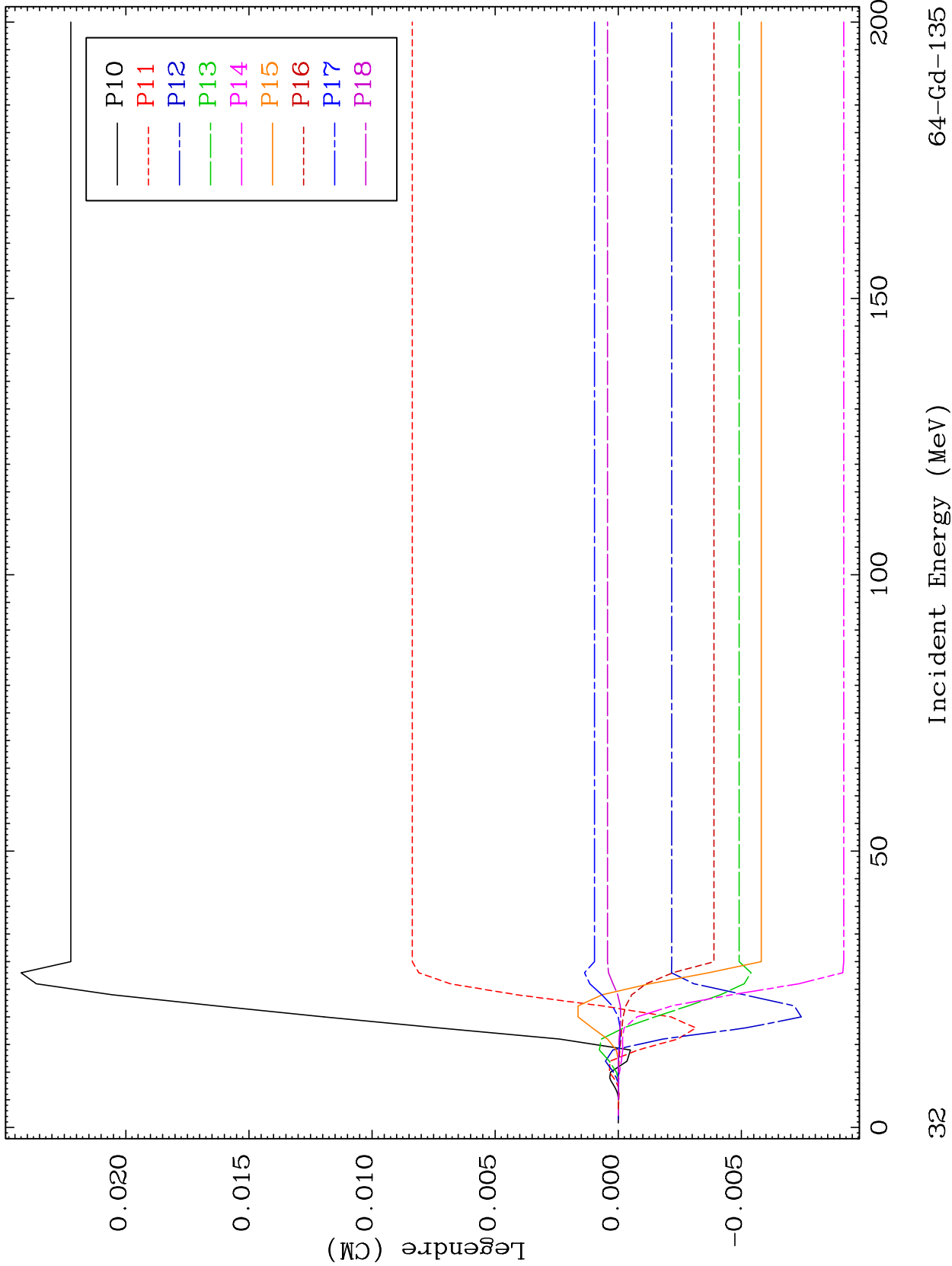
64-Gd-135



MAT 6374

MT= 54 (n,n') Level  
Legendre Coefficients

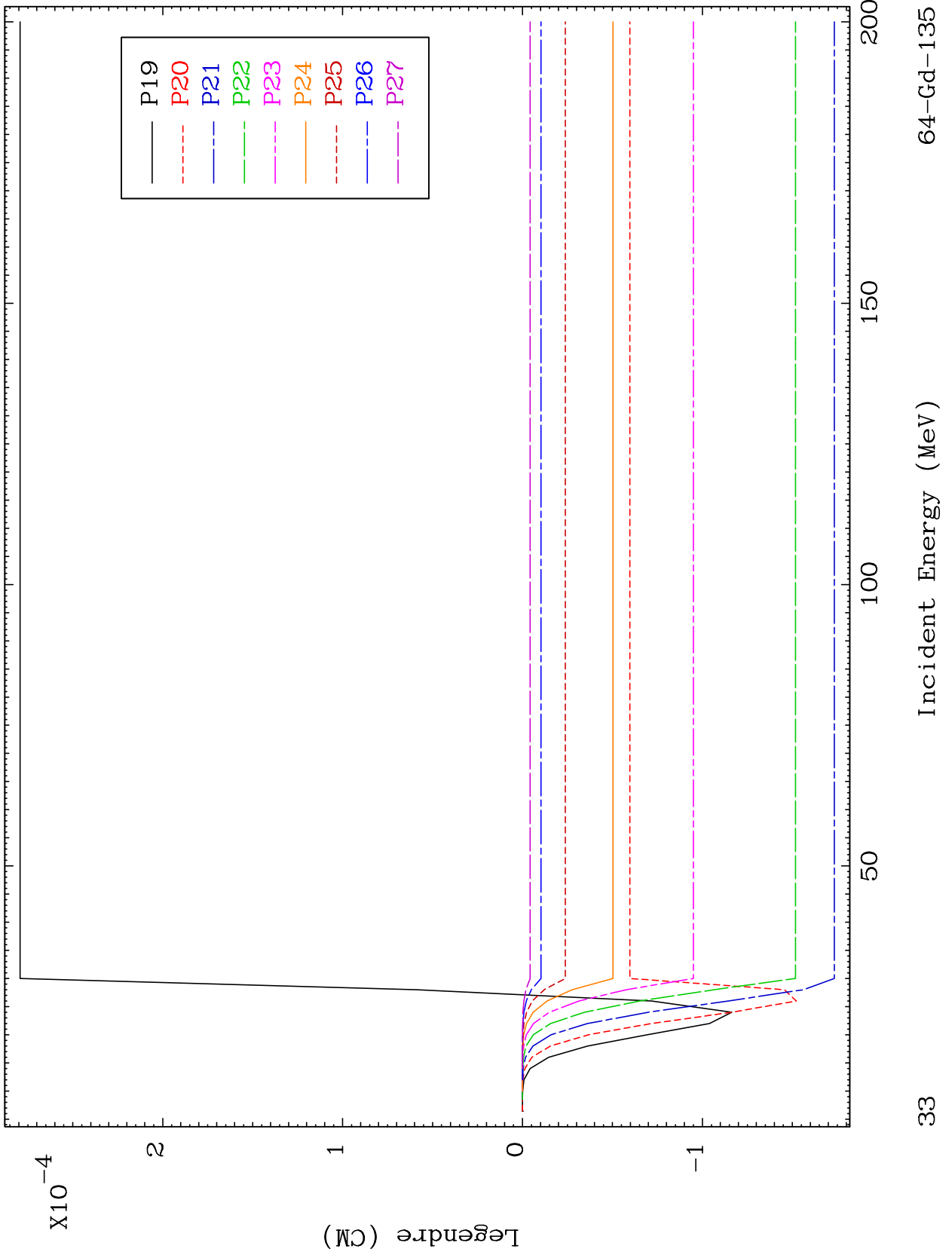
64-Gd-135

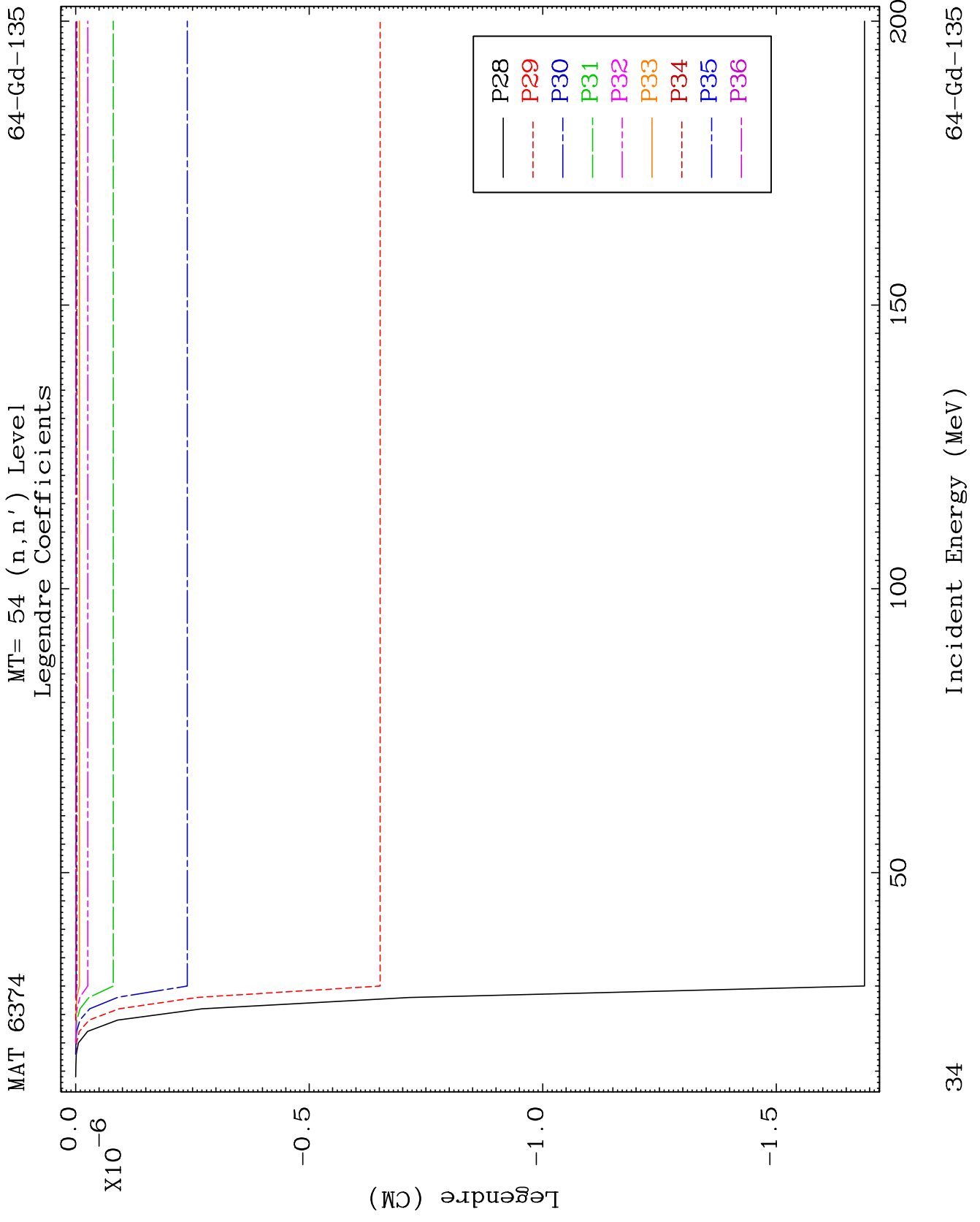


32

Incident Energy (MeV)

64-Gd-135



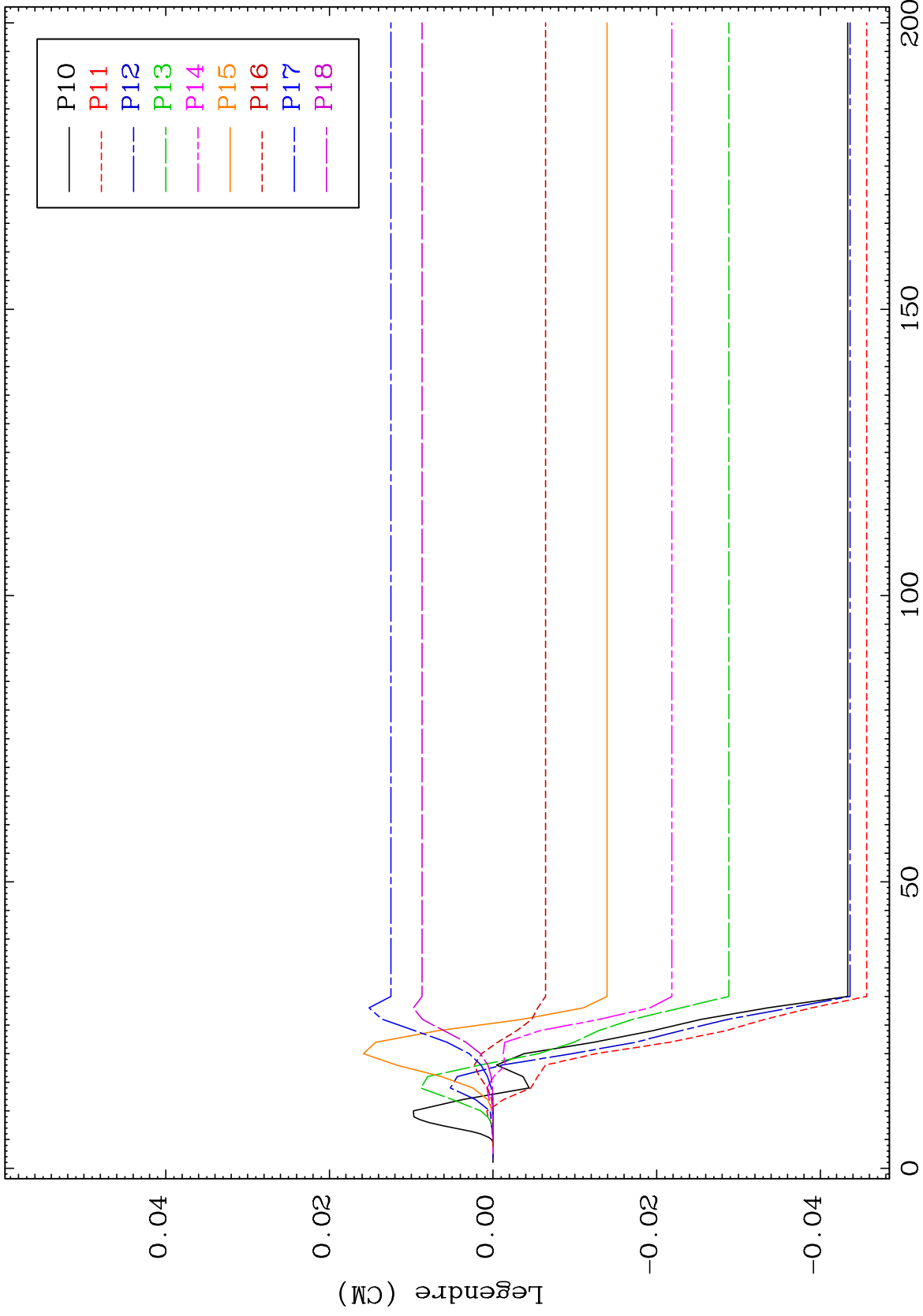




MAT 6374

MT= 55 (n,n') Level  
Legendre Coefficients

64-Gd-135



36

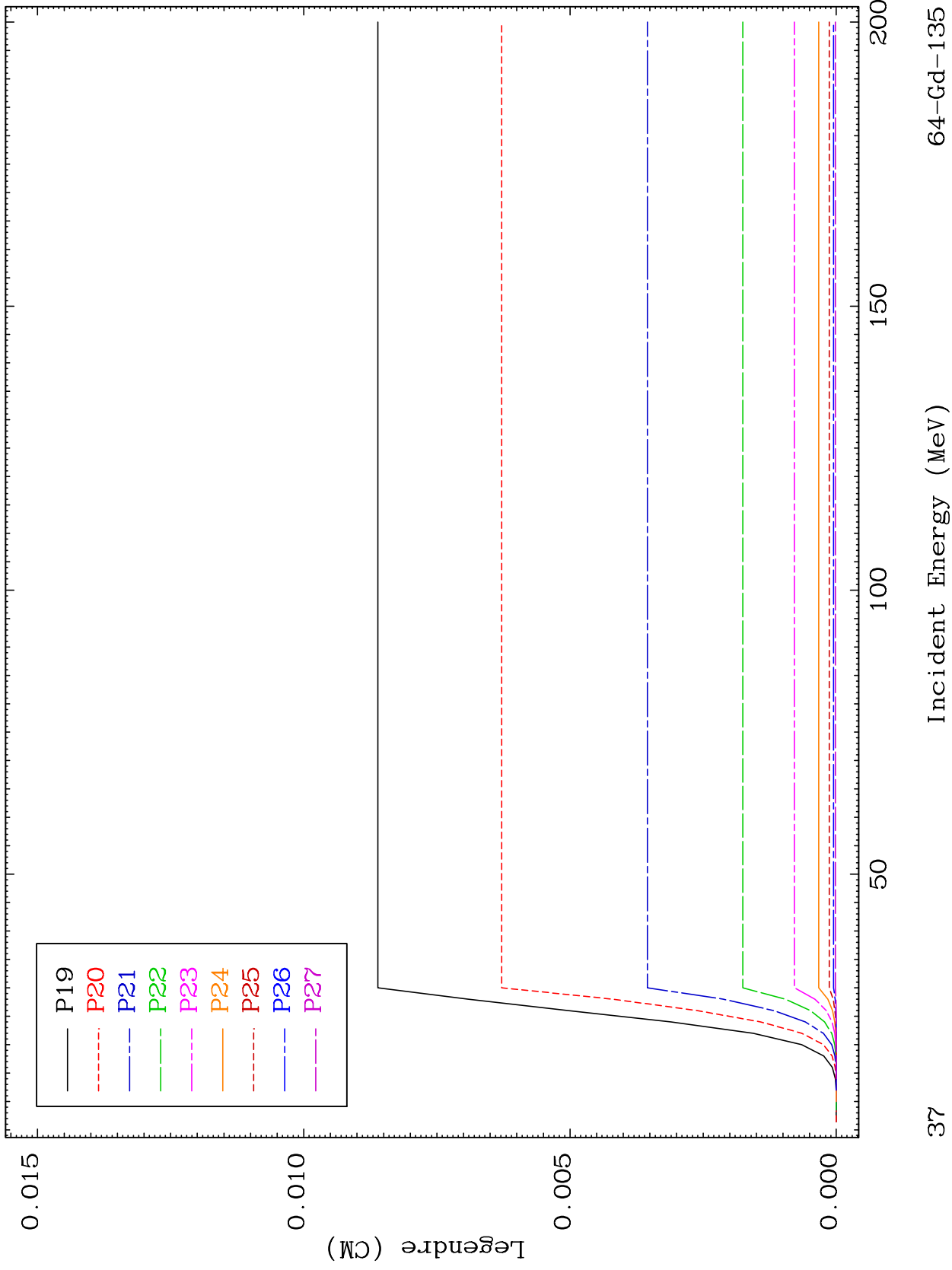
Incident Energy (MeV)

64-Gd-135

MAT 6374

MT= 55 (n,n') Level  
Legendre Coefficients

64-Gd-135



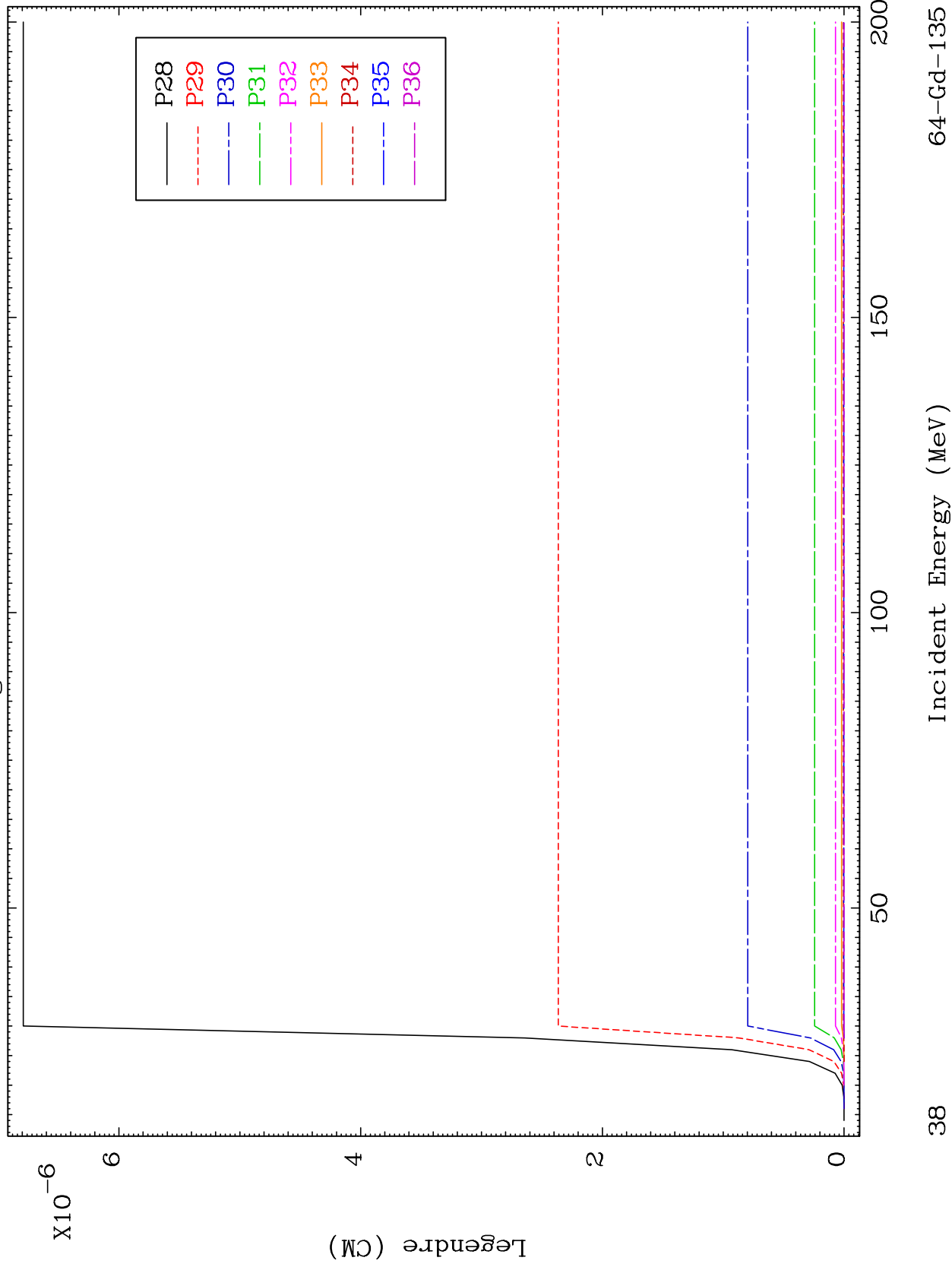
37

64-Gd-135

MAT 6374

MT= 55 (n,n') Level  
Legendre Coefficients

64-Gd-135



38

Incident Energy (MeV)

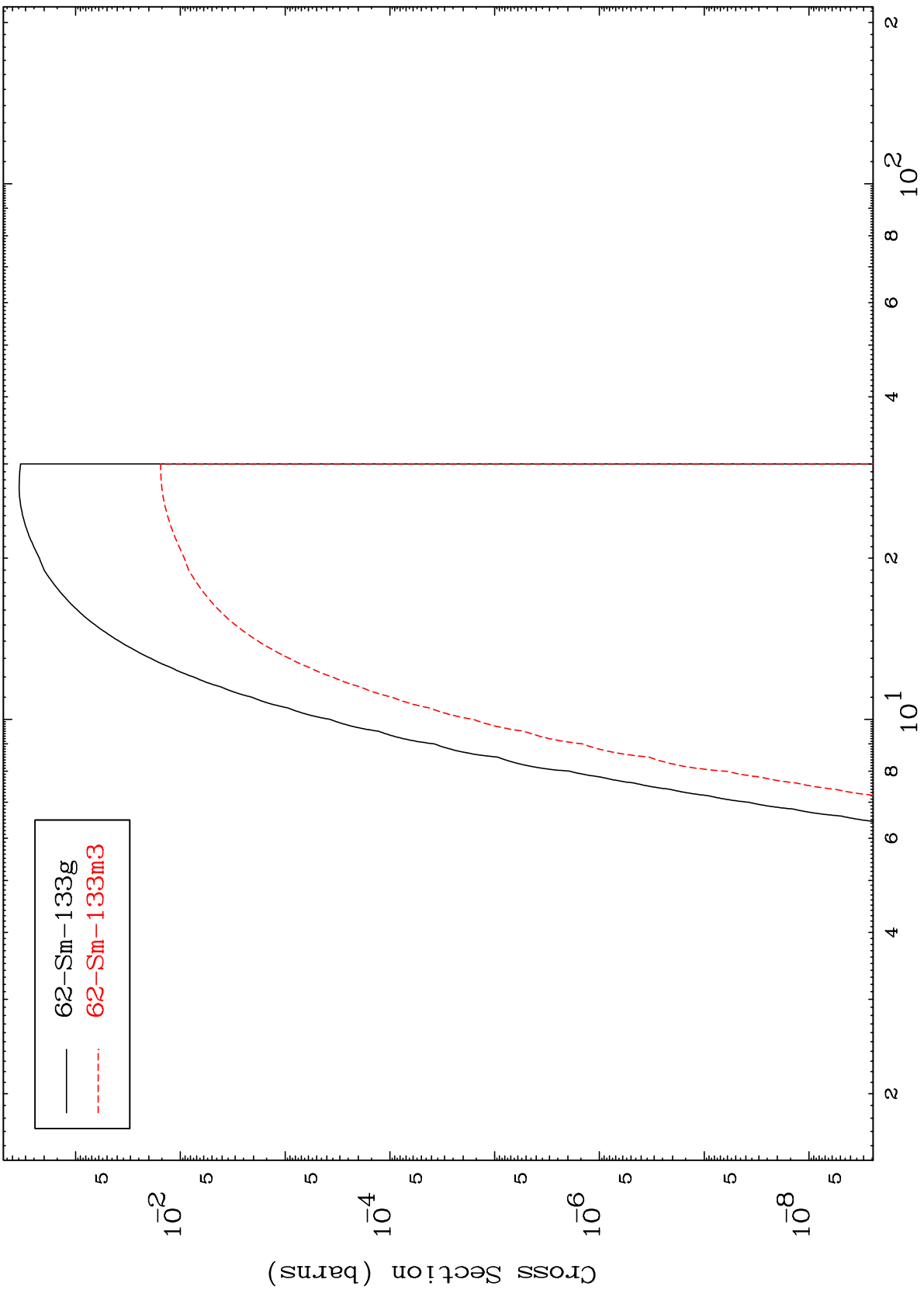
64-Gd-135

MAT 6374

(n,2n) p

64-Gd-135

Radionuclide Production Cross Section



39

Incident Energy (MeV)

64-Gd-135

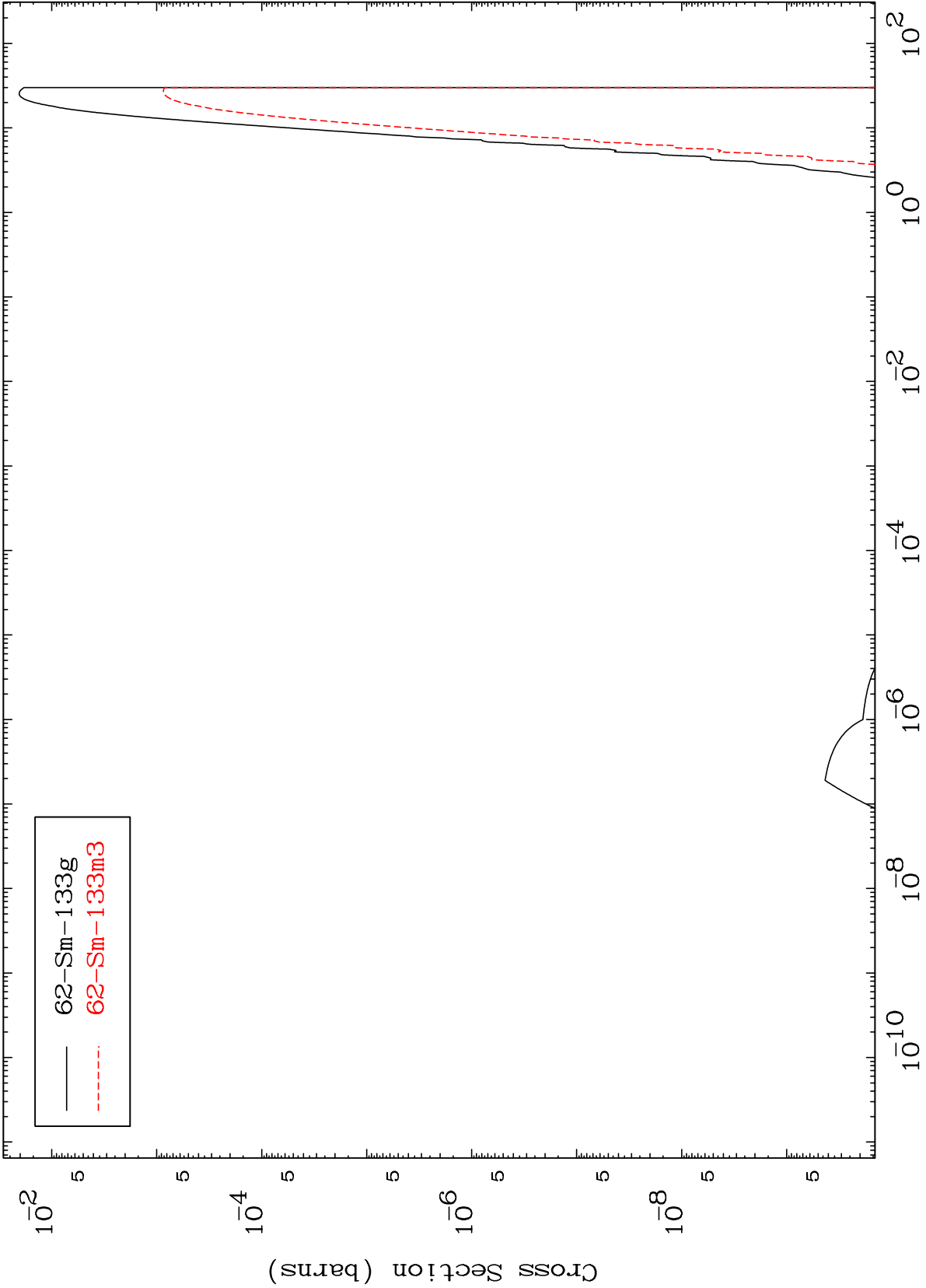


MAT 6374

(n,He-3)

64-Gd-135

Radionuclide Production Cross Section



40

Incident Energy (MeV)

64-Gd-135

MAT 6374

(n,p) d

64-Gd-135

Radionuclide Production Cross Section

