

Program EVALPLOT
(Version 2018-1)

by

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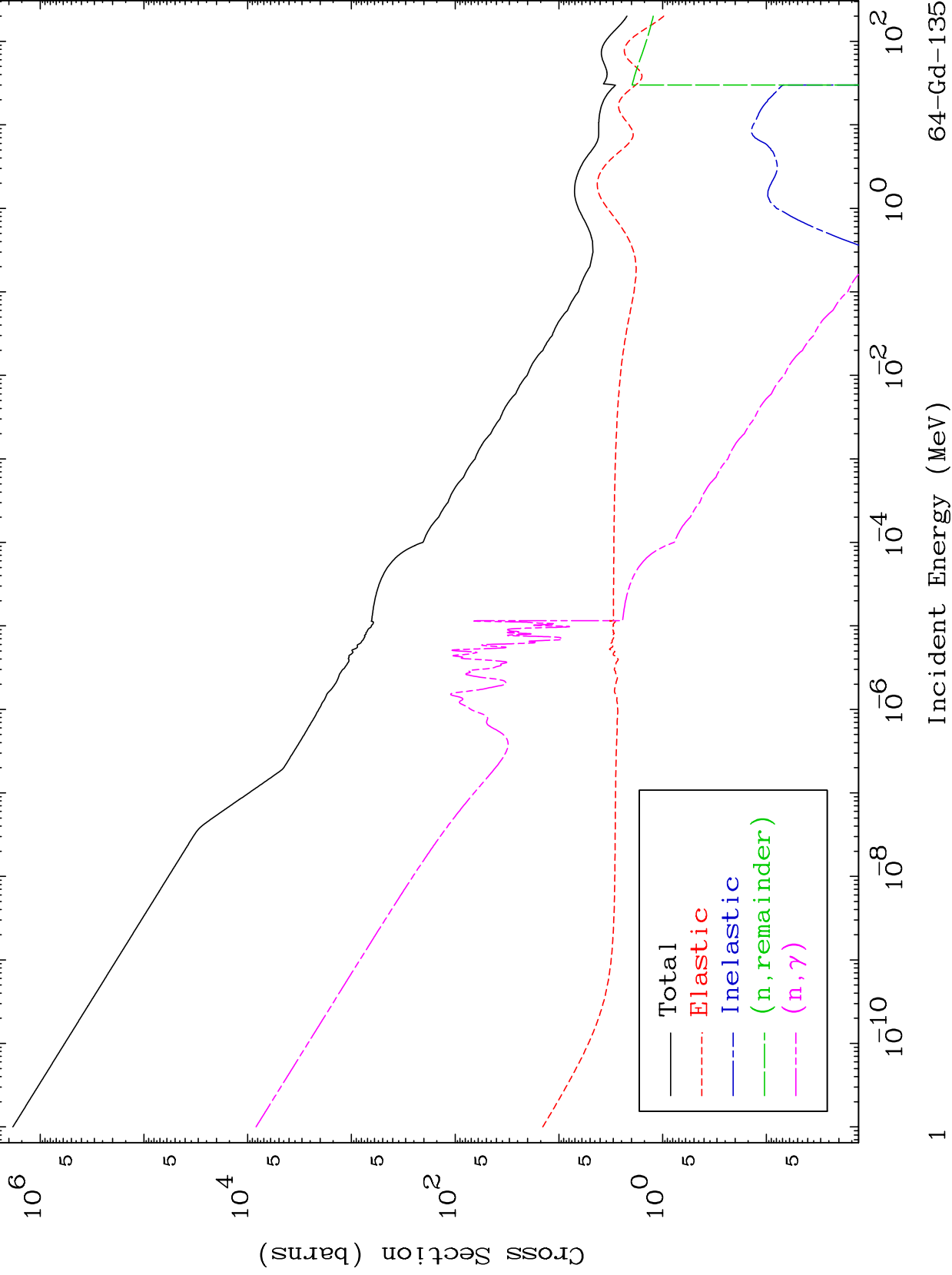
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6374

Major
293 Kelvin Cross Sections

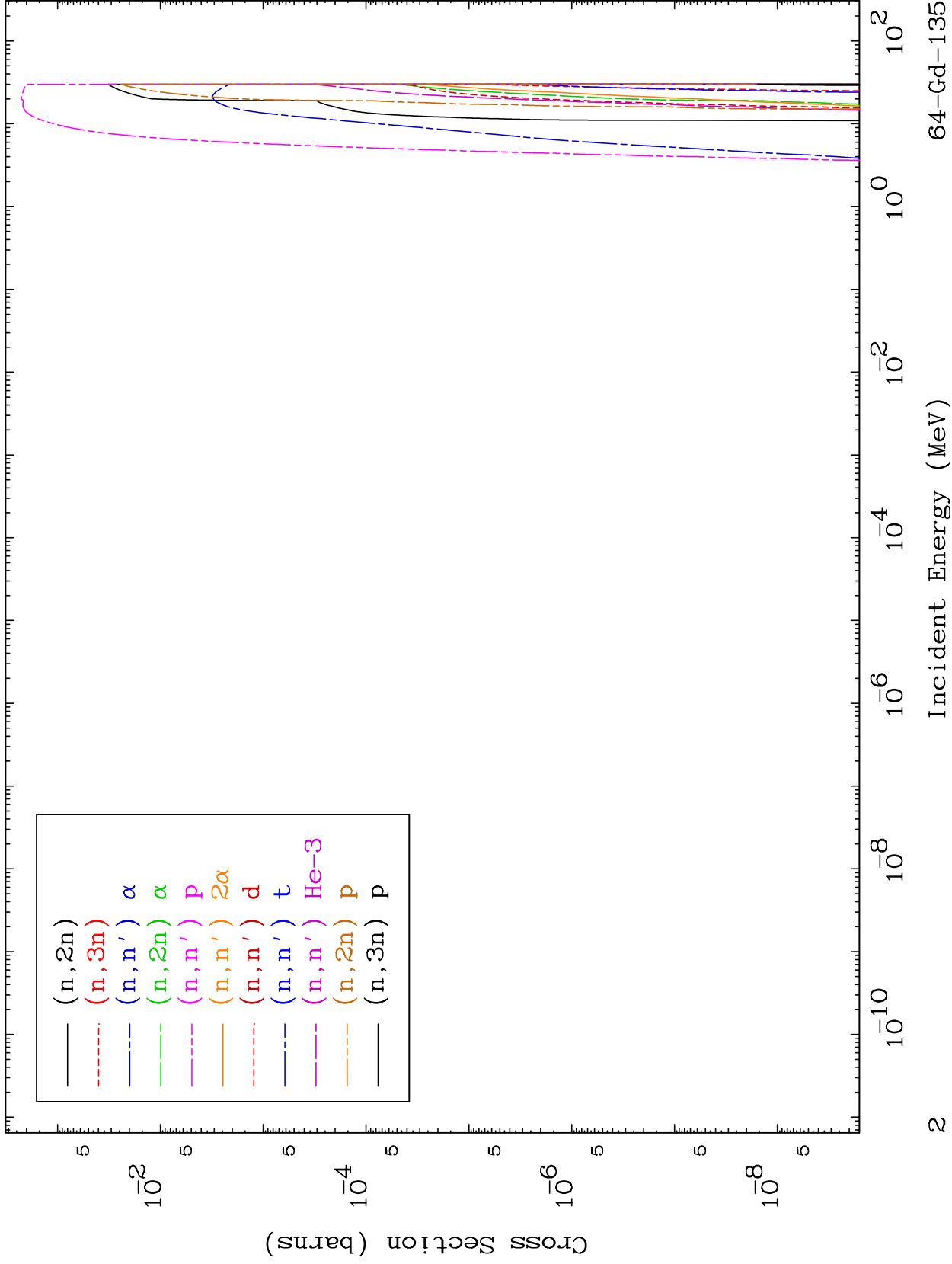
64-Gd-135



MAT 6374

Neutron Production
293 Kelvin Cross Sections

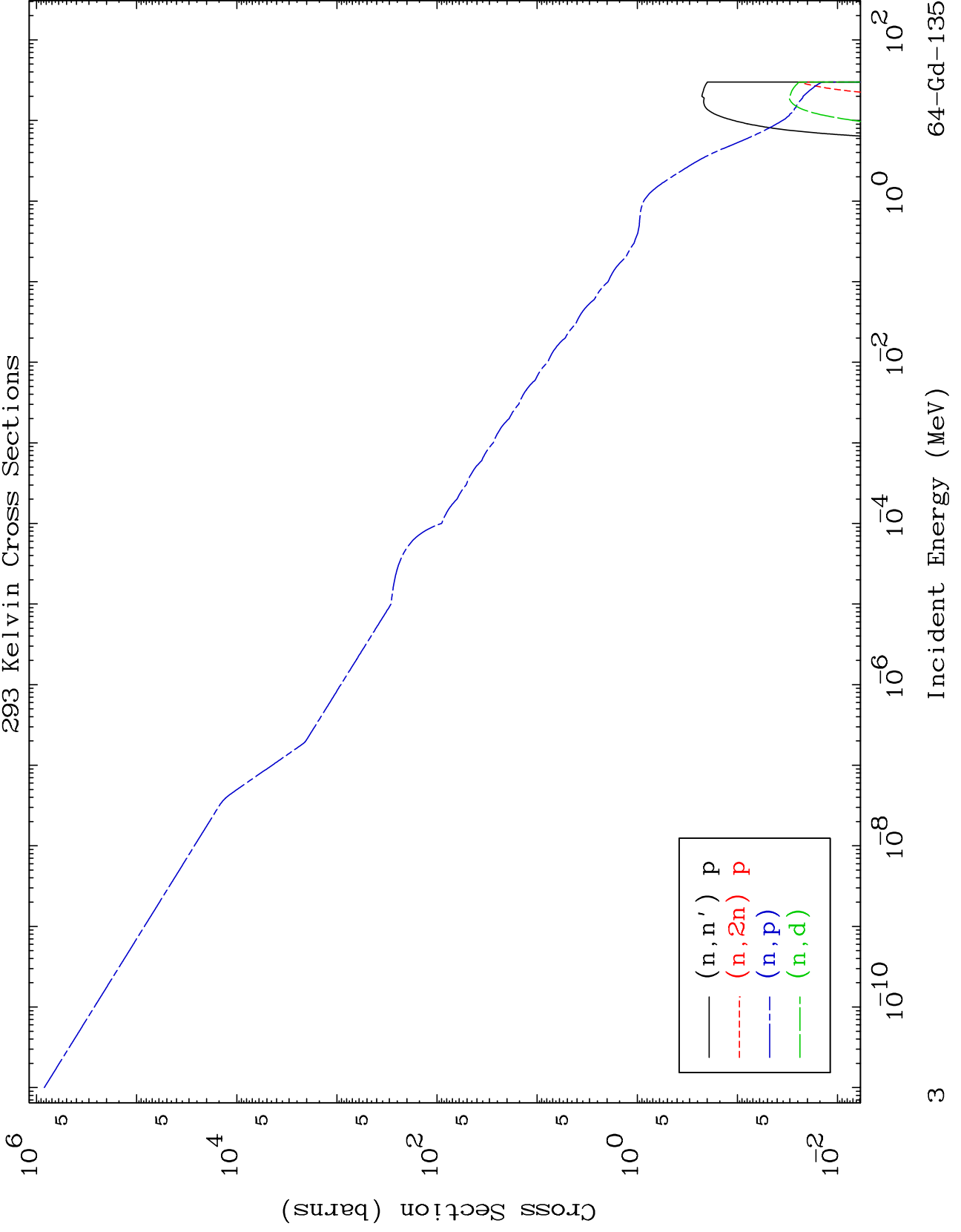
64-Gd-135



MAT 6374

Charged Particle
293 Kelvin Cross Sections

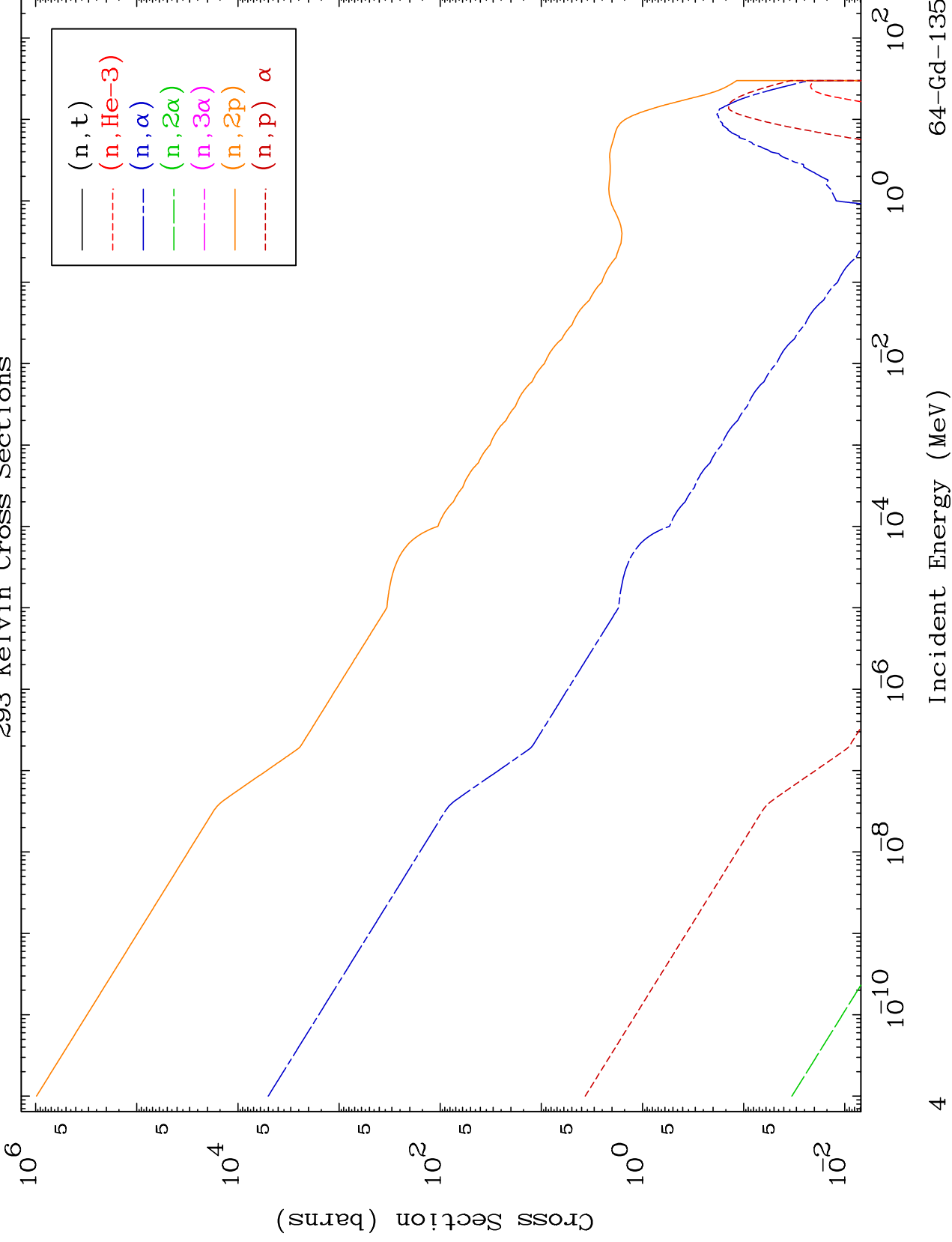
64-Gd-135



MAT 6374

Charged Particle
293 Kelvin Cross Sections

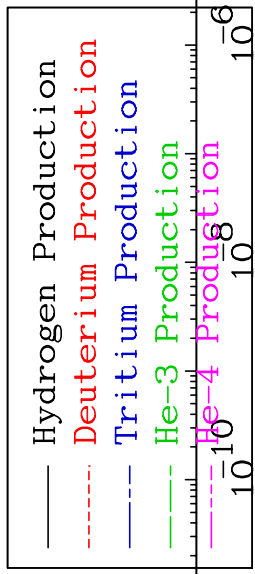
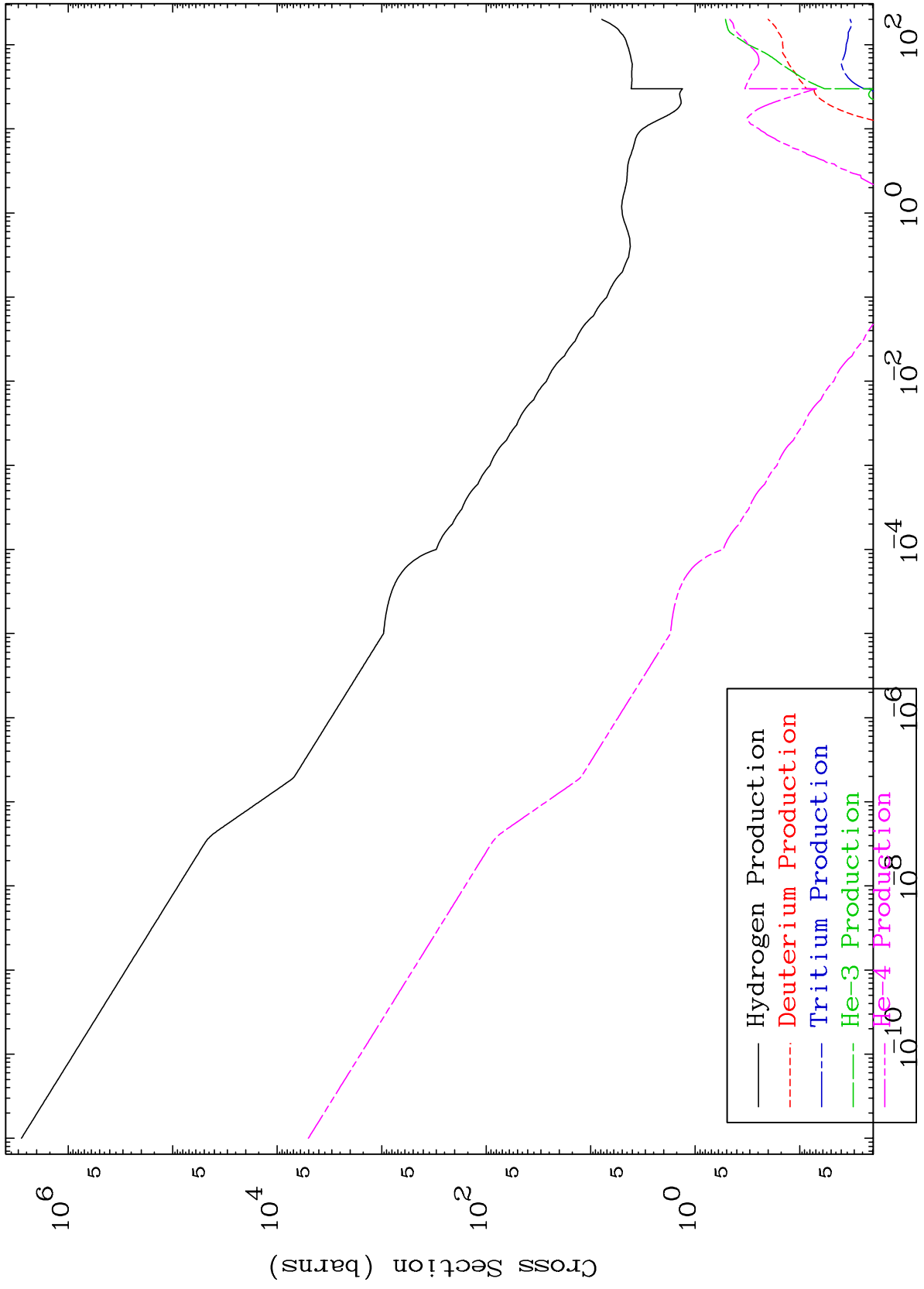
64-Gd-135



MAT 6374

Particle Production
293 Kelvin Cross Sections

64-Gd-135



5

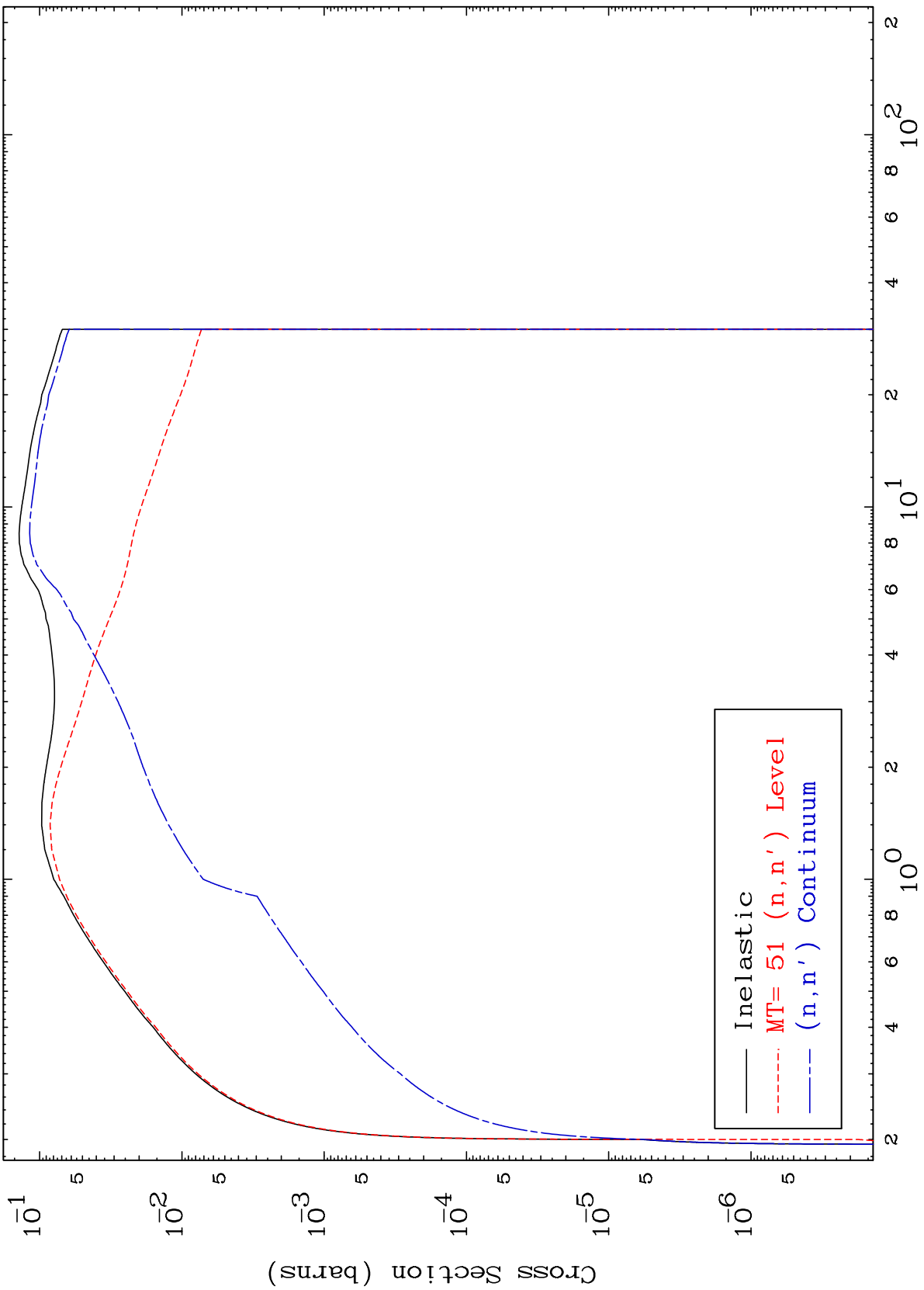
Incident Energy (MeV)

64-Gd-135

MAT 6374

64-Gd-135

(n,n') Level
293 Kelvin Cross Sections



6

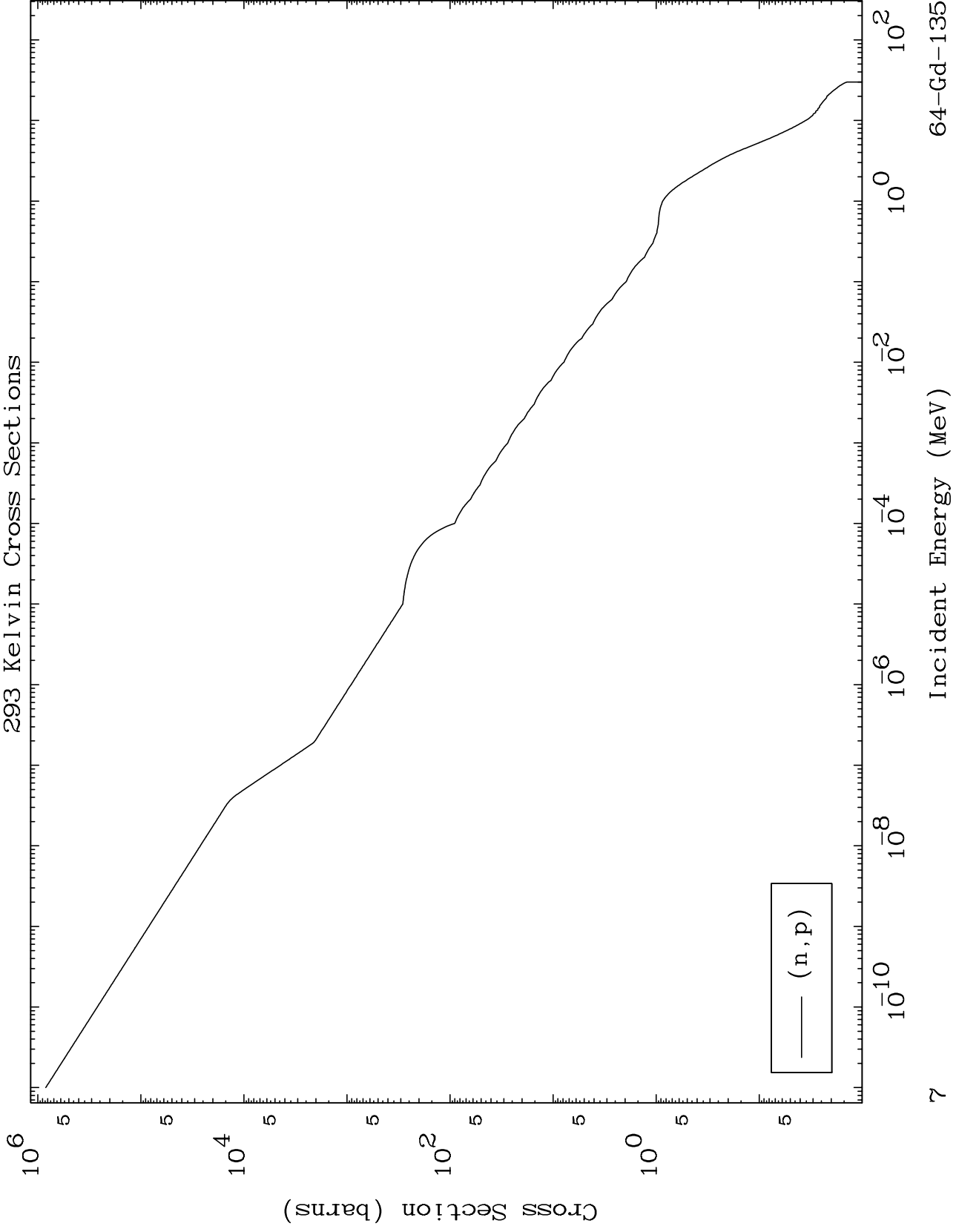
Incident Energy (MeV)

64-Gd-135

MAT 6374

(n,p) Levels
293 Kelvin Cross Sections

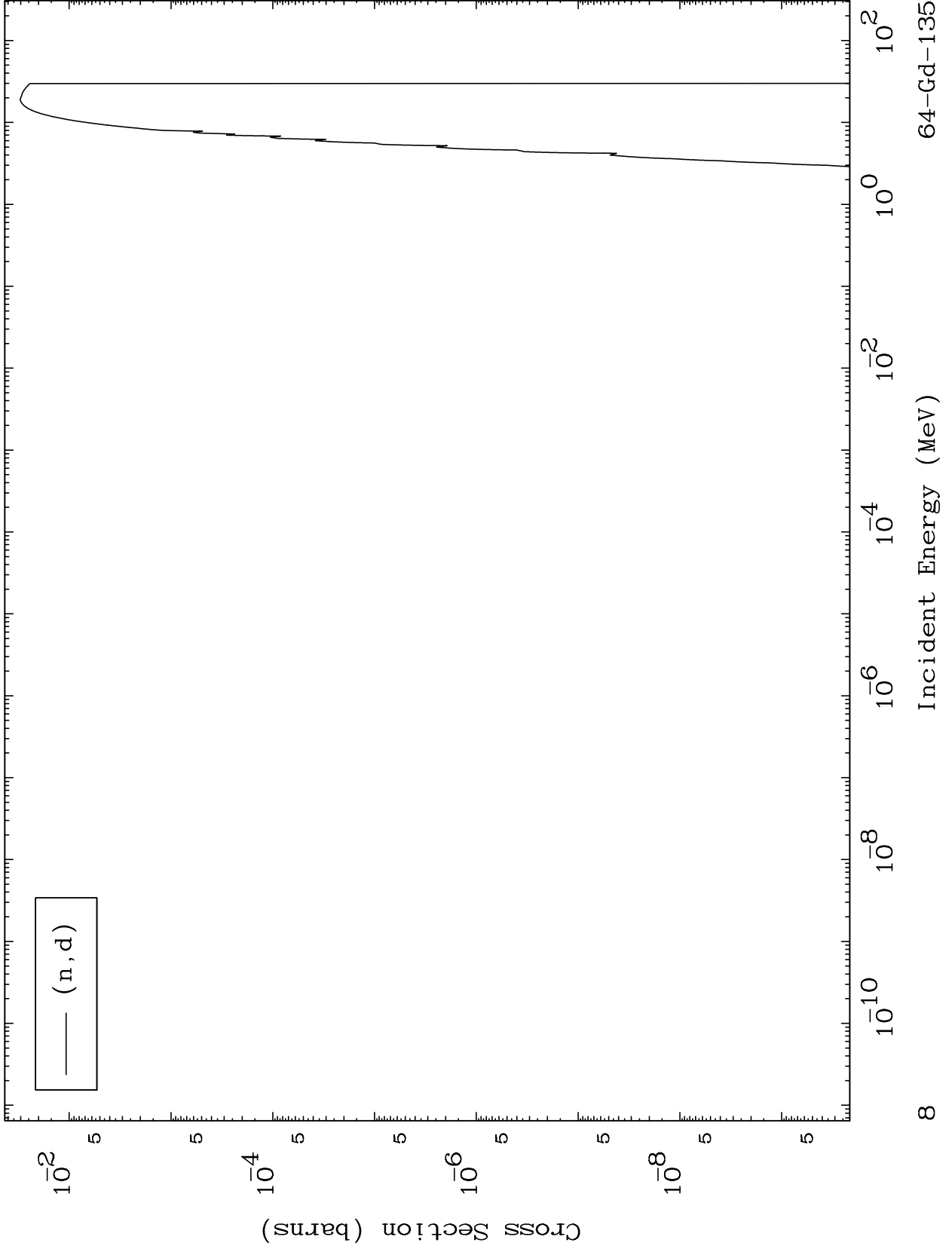
64-Gd-135



MAT 6374

(n,d) Levels
293 Kelvin Cross Sections

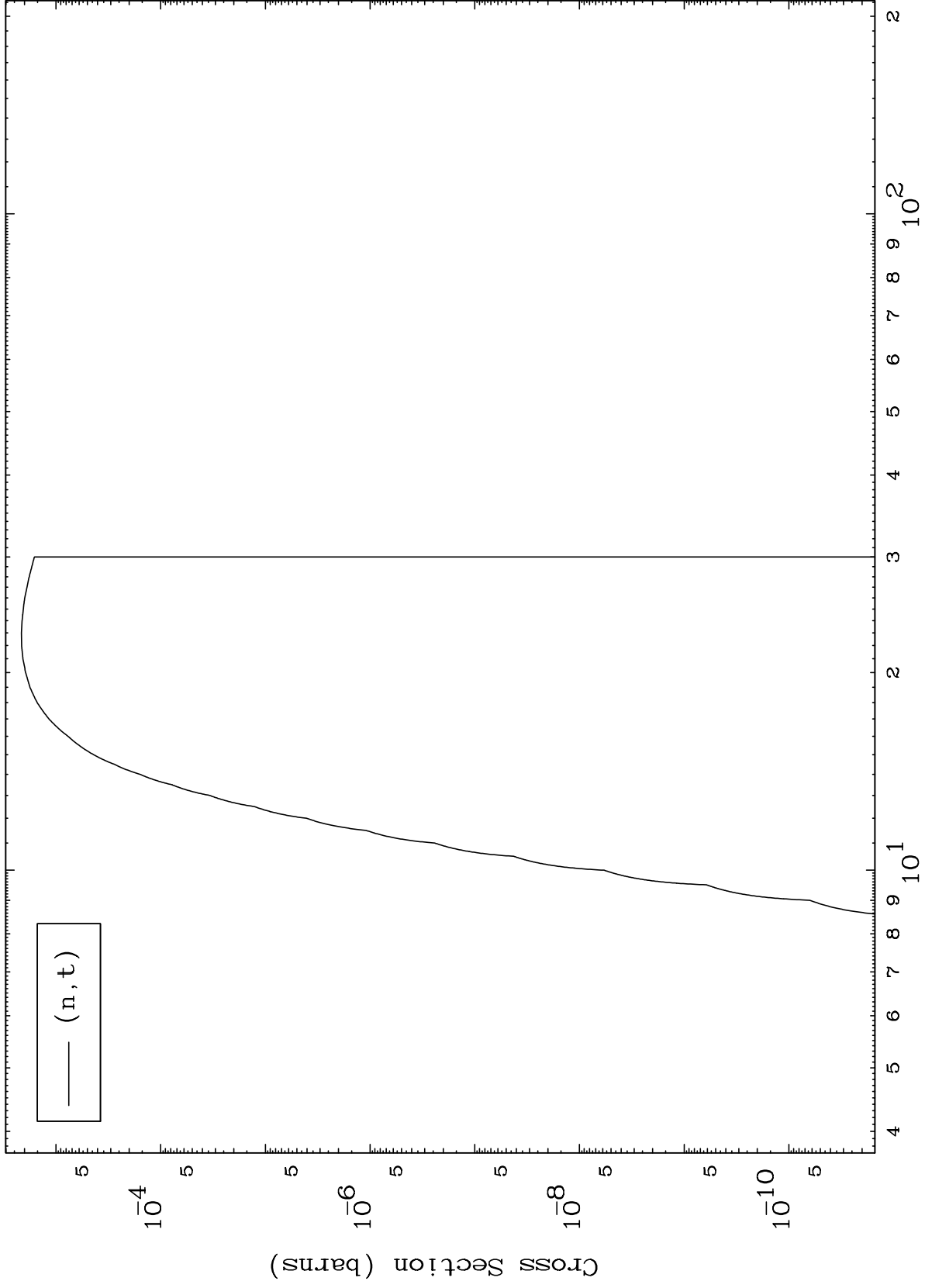
64-Gd-135



MAT 6374

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-135



9

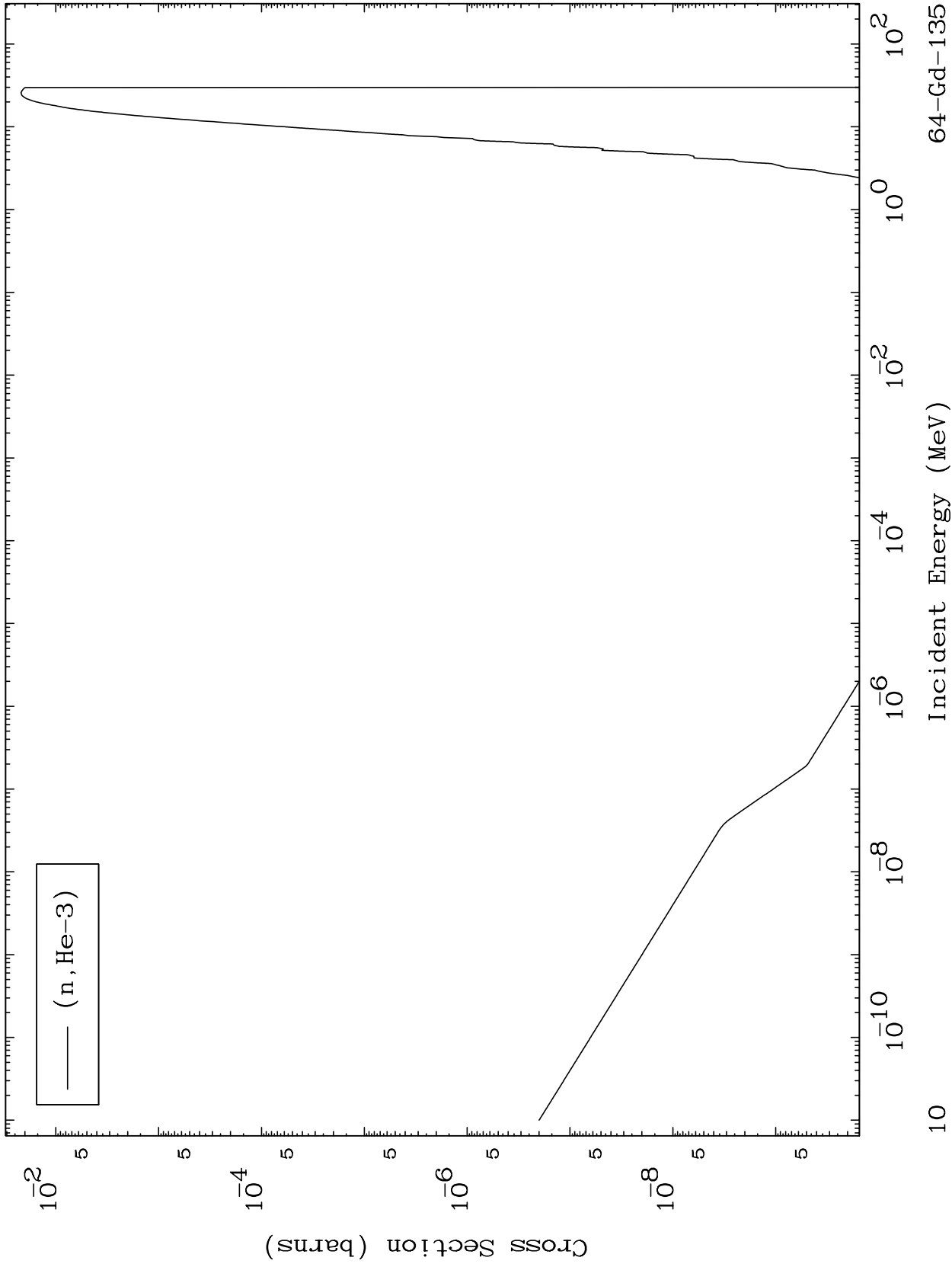
Incident Energy (MeV)

64-Gd-135

MAT 6374

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-135



10

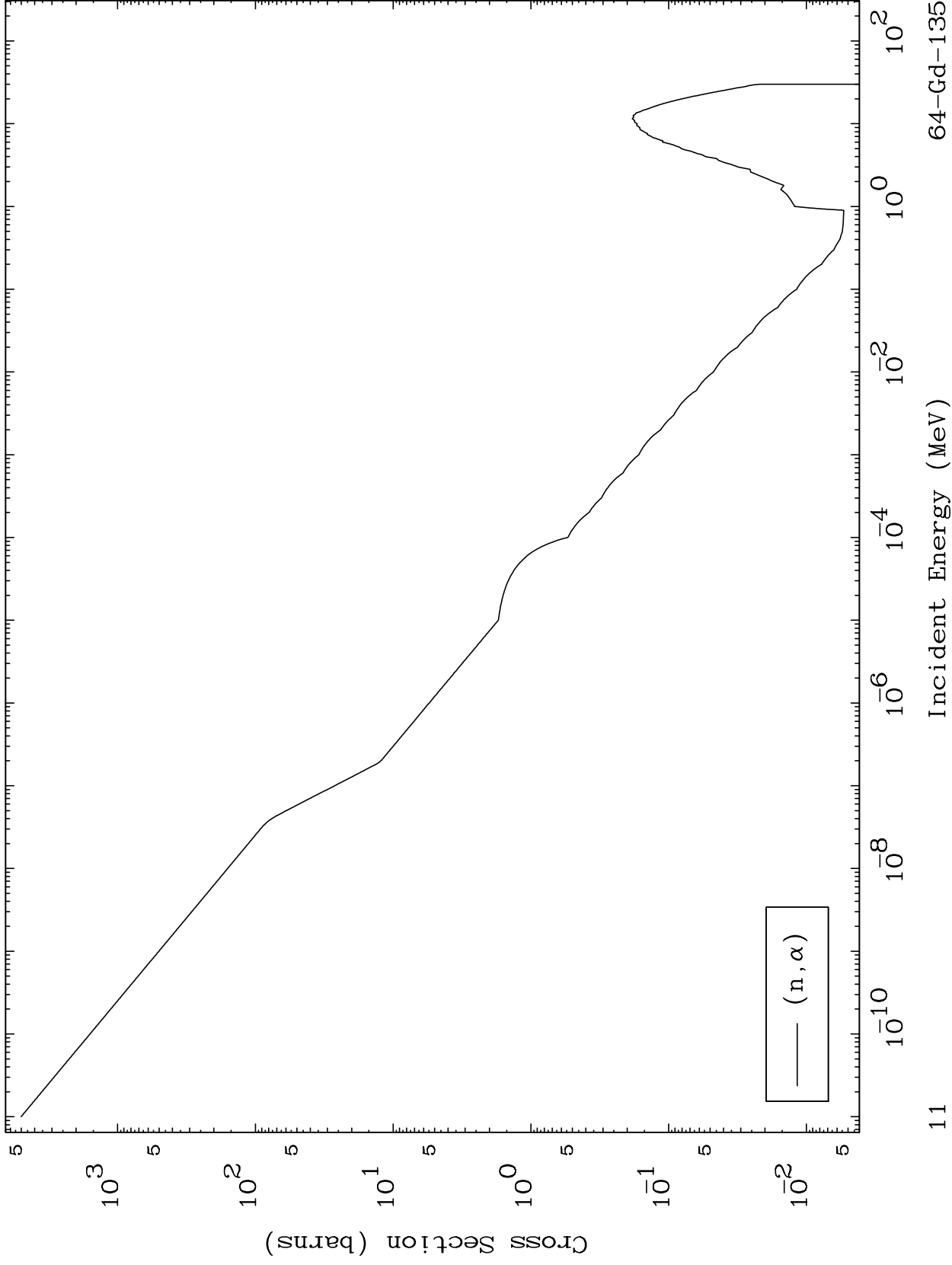
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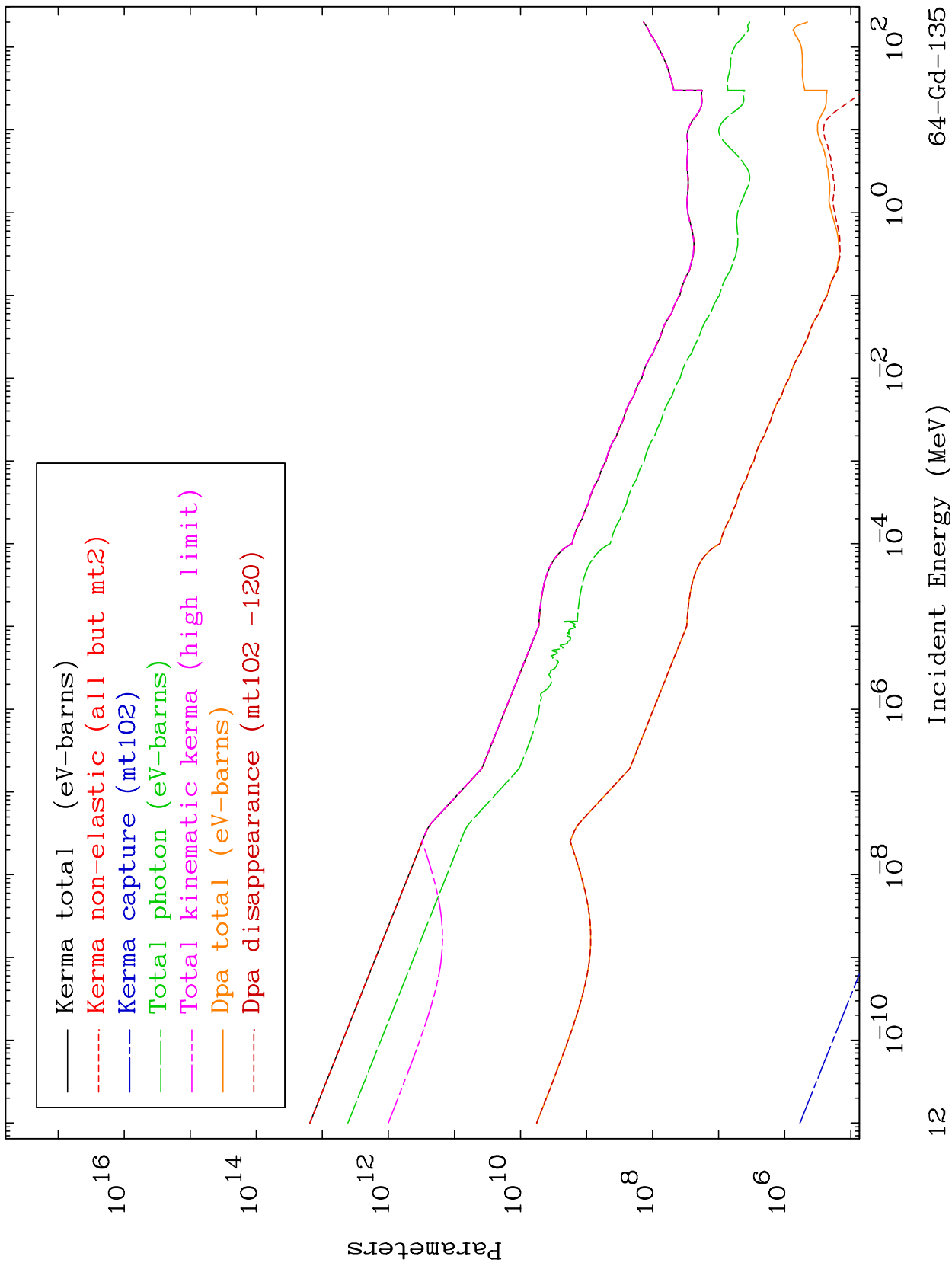
64-Gd-135

MAT 6374

(n, α) Levels
293 Kelvin Cross Sections

64-Gd-135

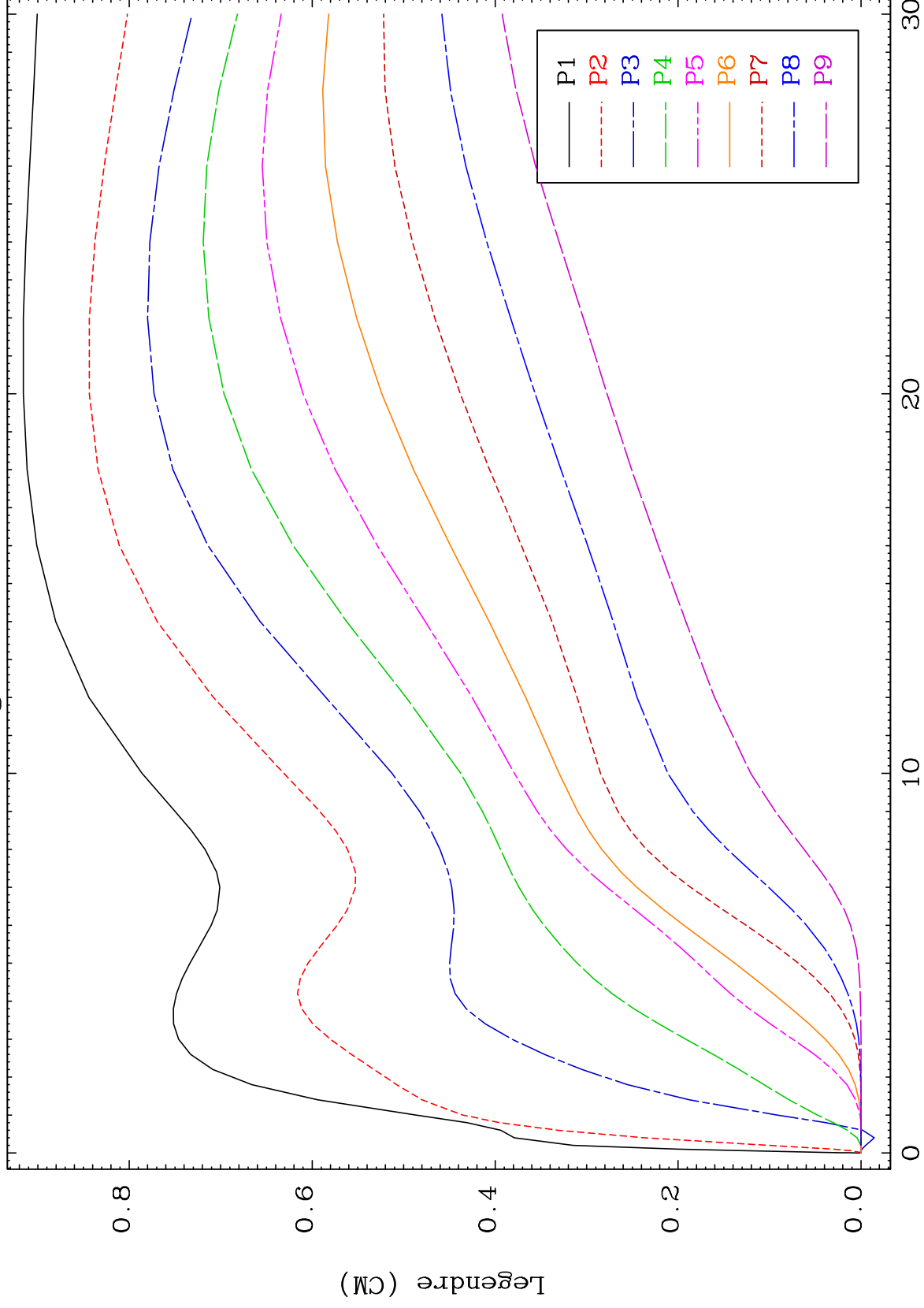




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Elastic Legendre Coefficients

64-Gd-135



13

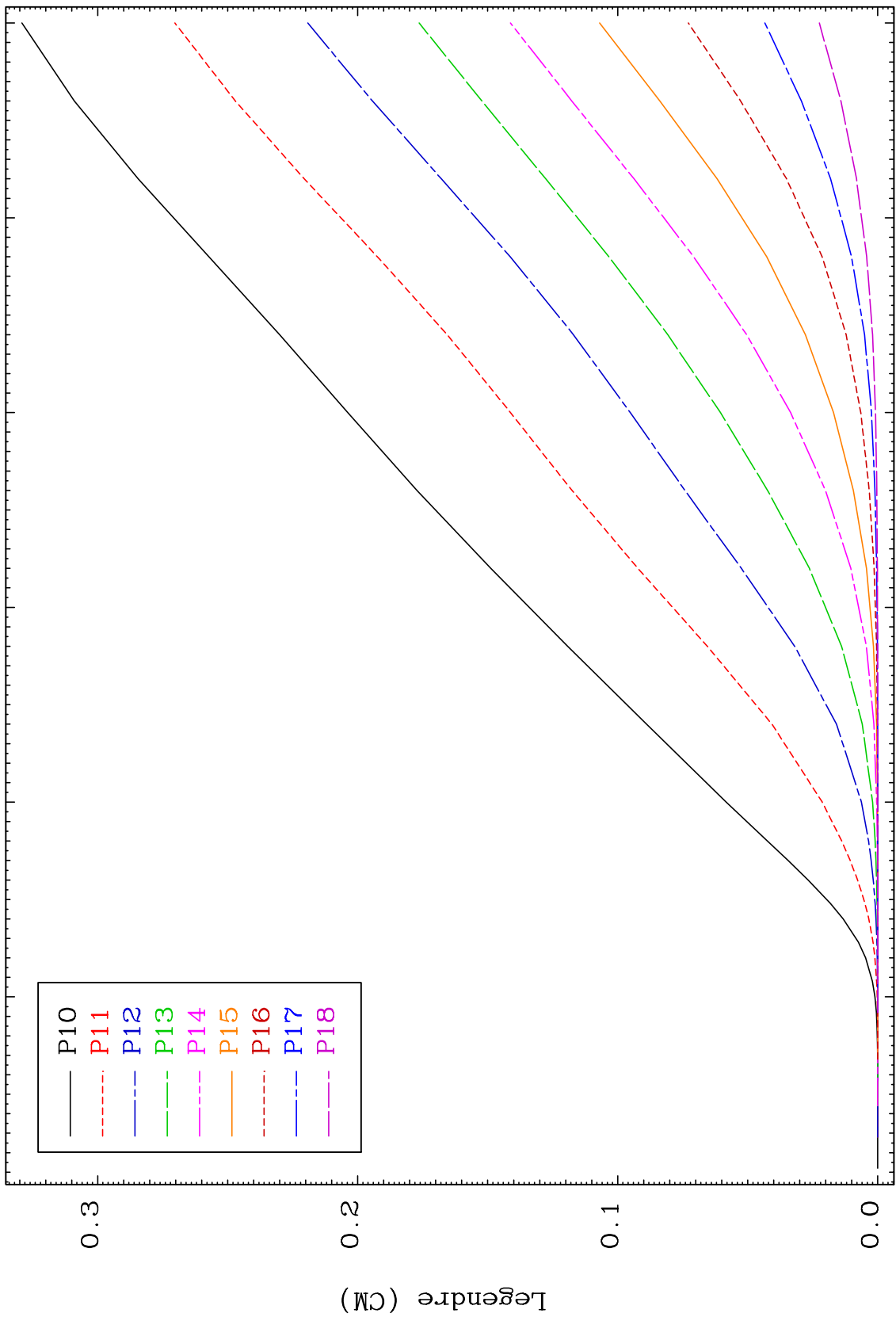
Incident Energy (MeV)

64-Gd-135

MAT 6374

Elastic Legendre Coefficients

64-Gd-135



14

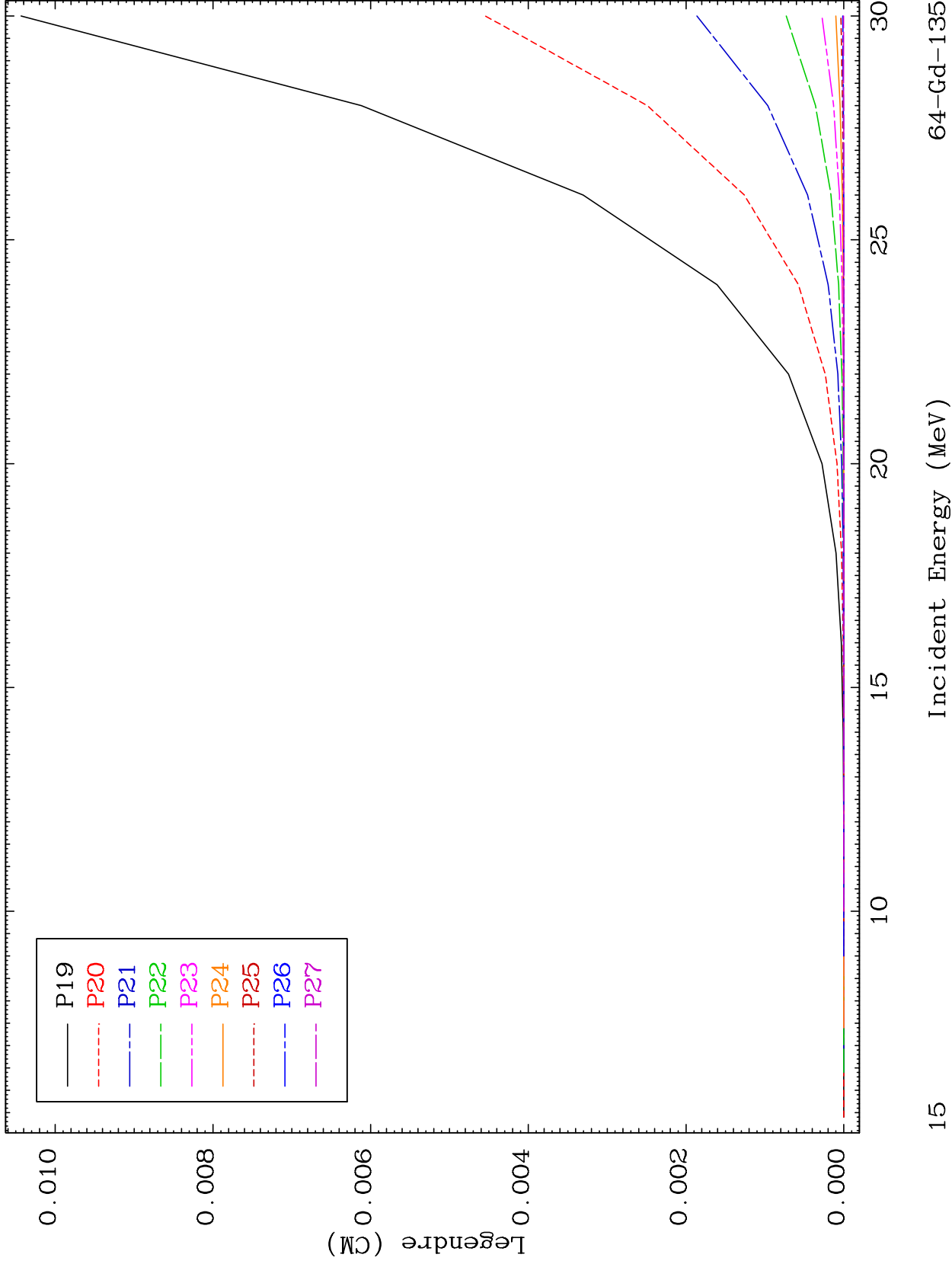
Incident Energy (MeV)

64-Gd-135

MAT 6374

Elastic Legendre Coefficients

64-Gd-135



15

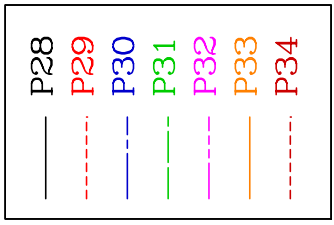
Incident Energy (MeV)

64-Gd-135

MAT 6374

Elastic Legendre Coefficients

64-Gd-135



$\times 10^{-6}$

Legendre (CM)

1.0

0.8

0.6

0.4

0.2

0.0

15

20

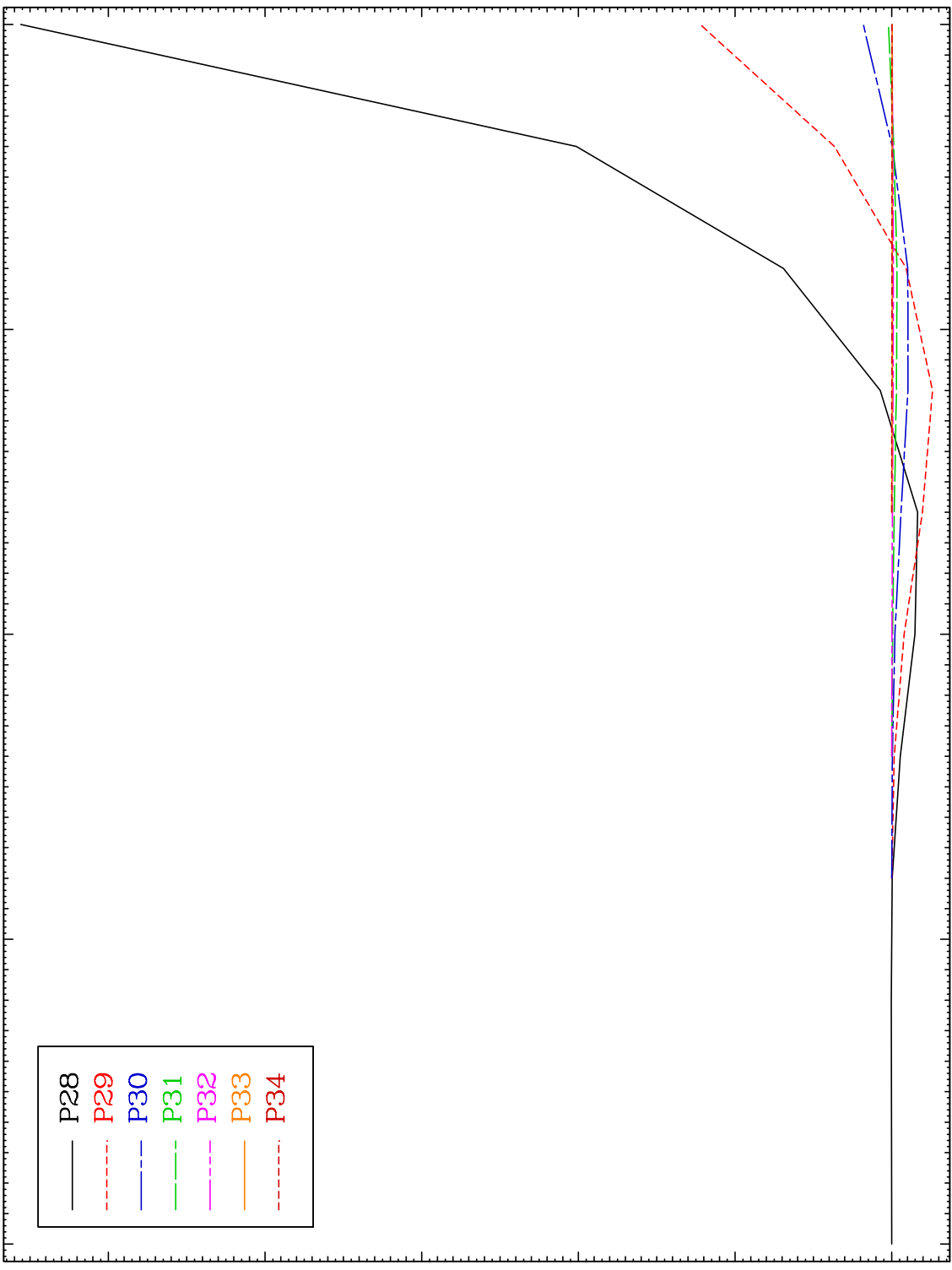
25

30

16

Incident Energy (MeV)

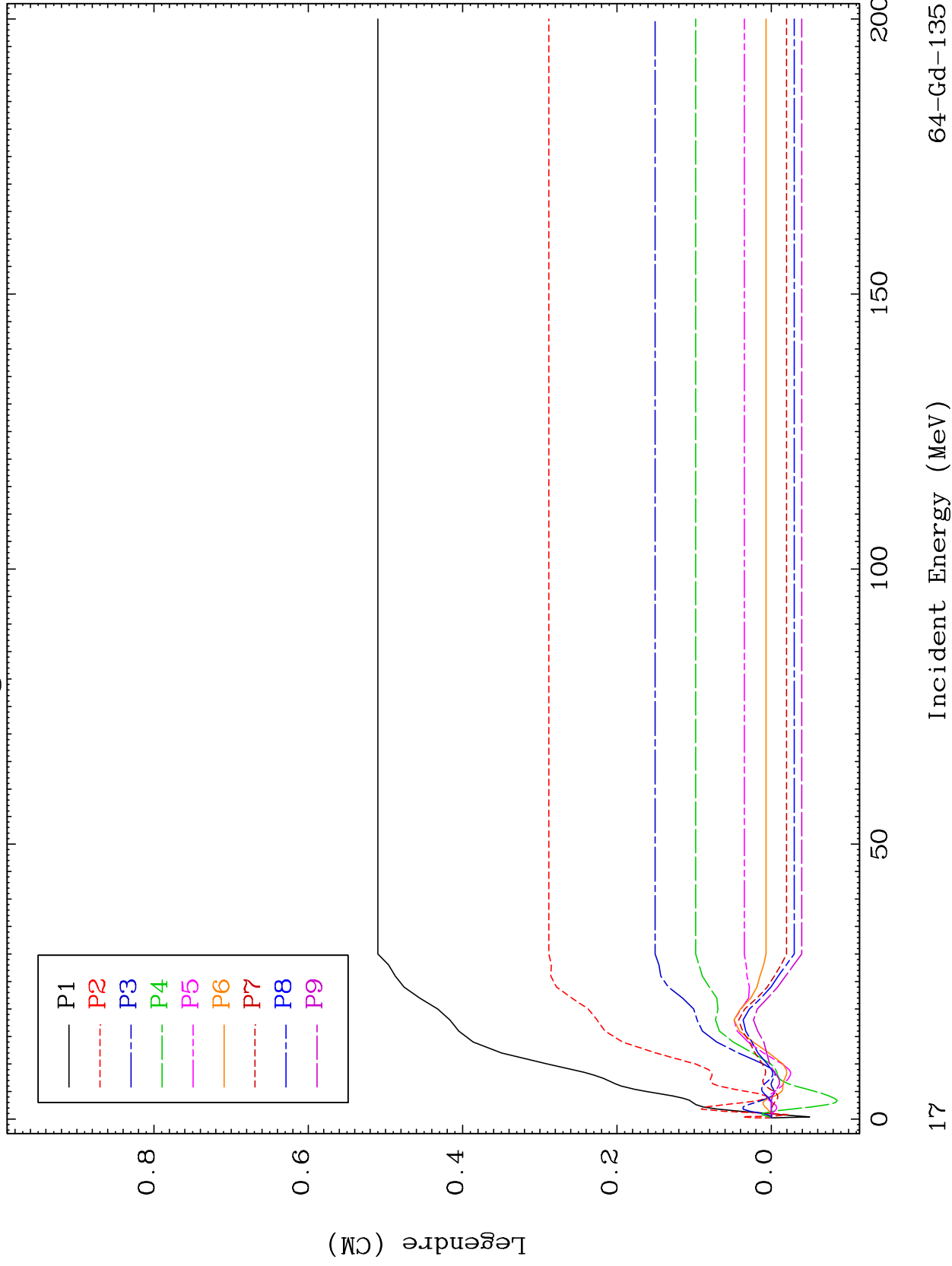
64-Gd-135



MAT 6374

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

64-Gd-135



17

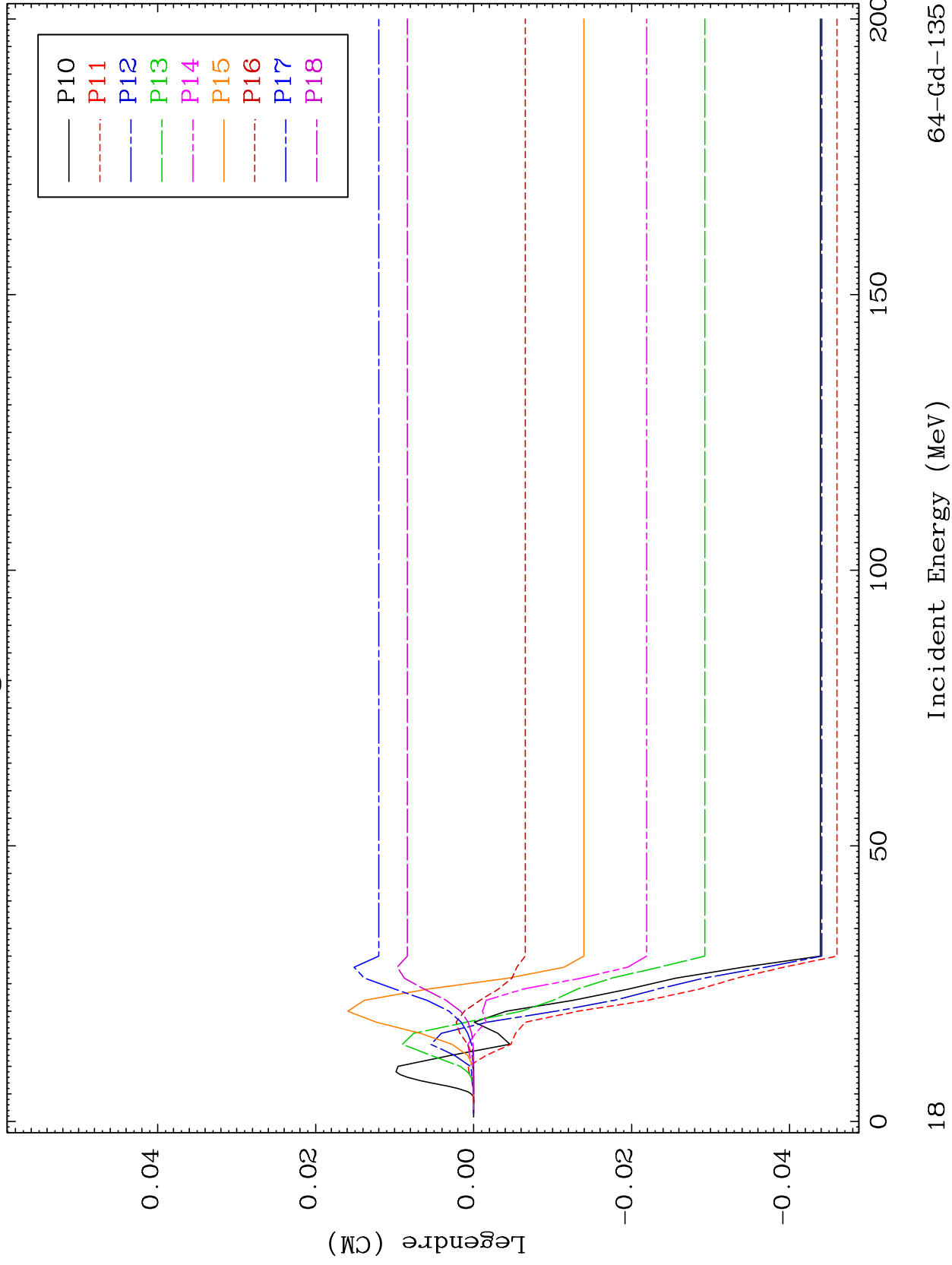
Incident Energy (MeV)

64-Gd-135

MAT 6374

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

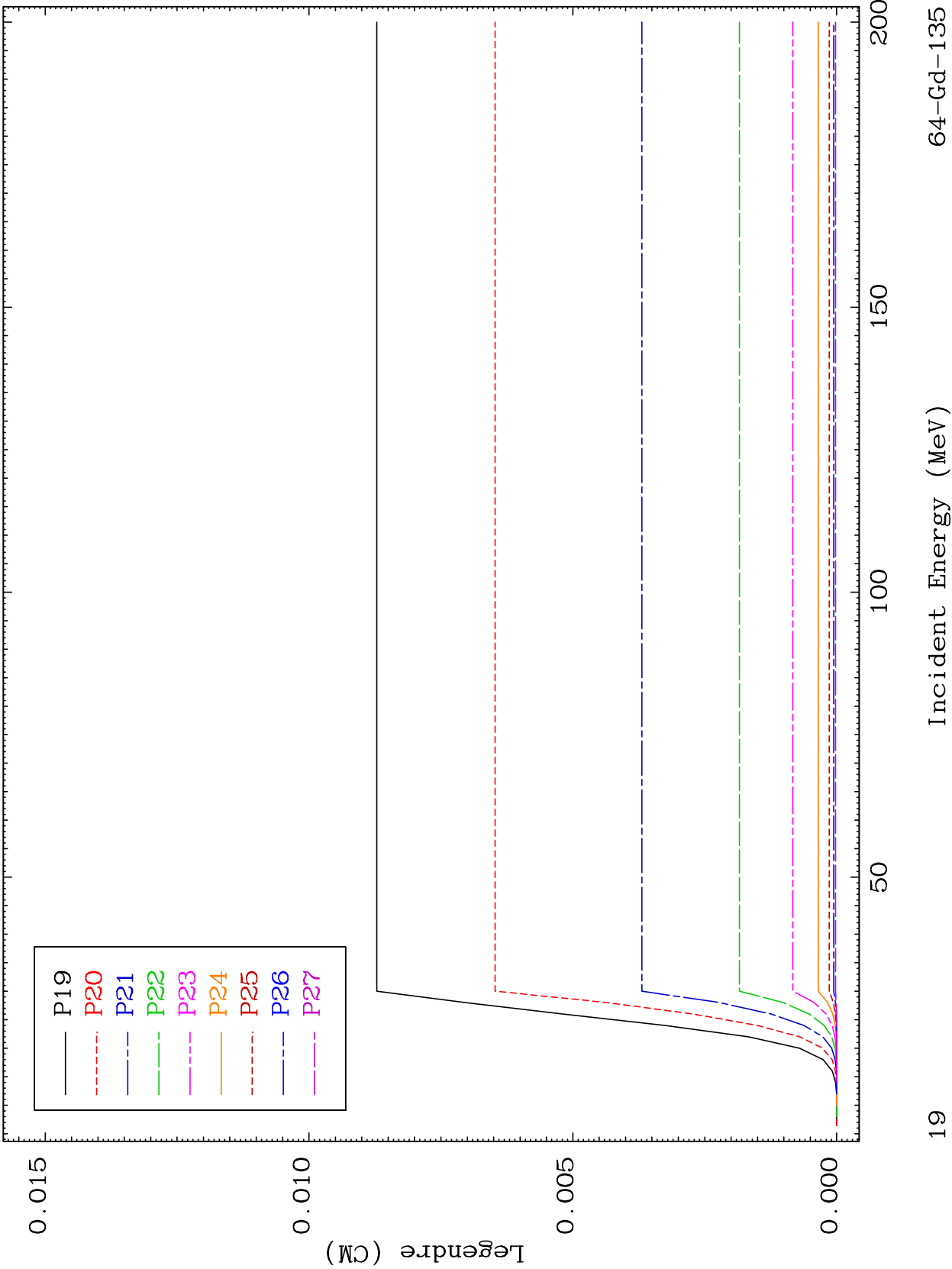
64-Gd-135



MAT 6374

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

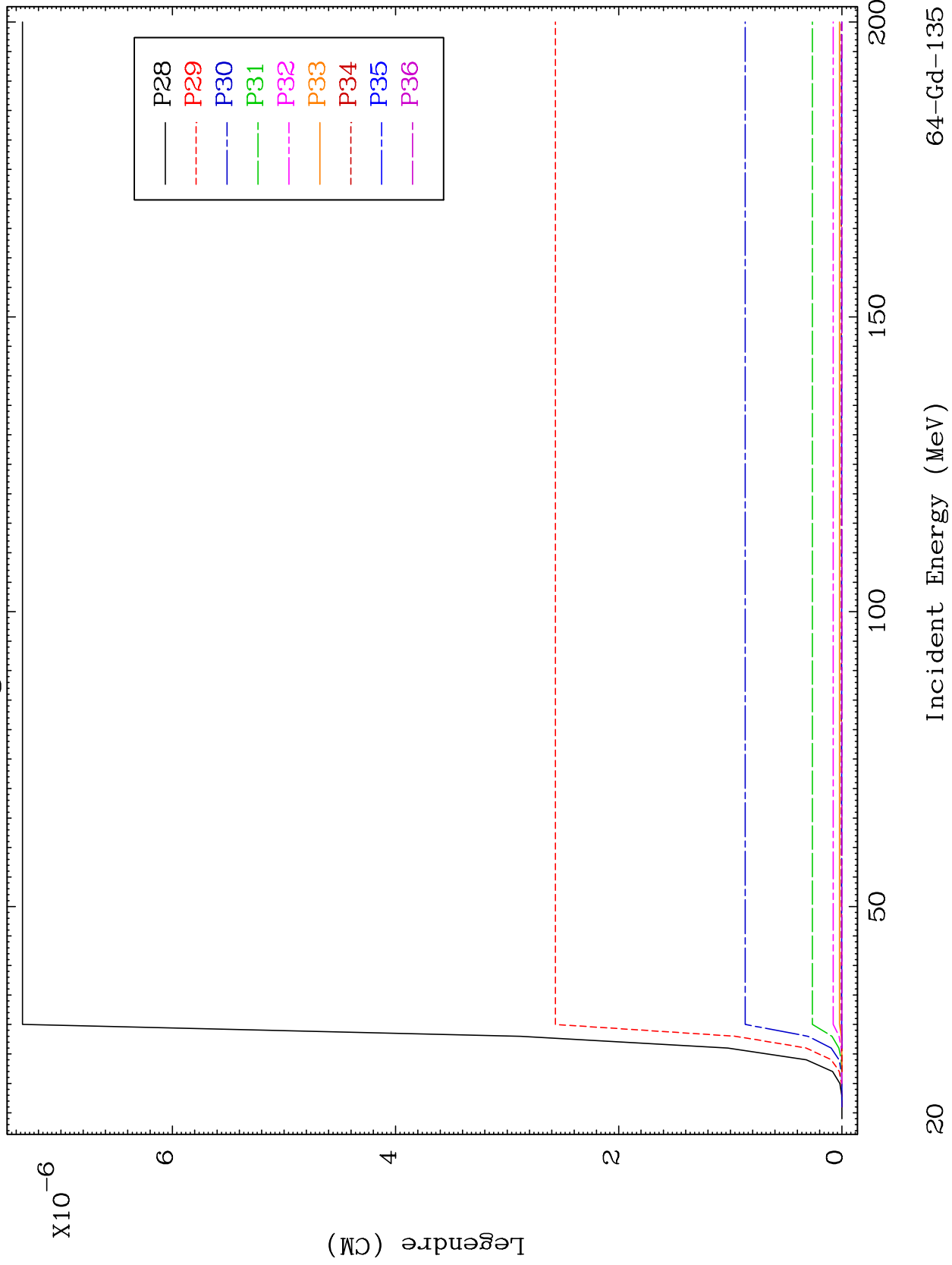
64-Gd-135



MAT 6374

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

64-Gd-135

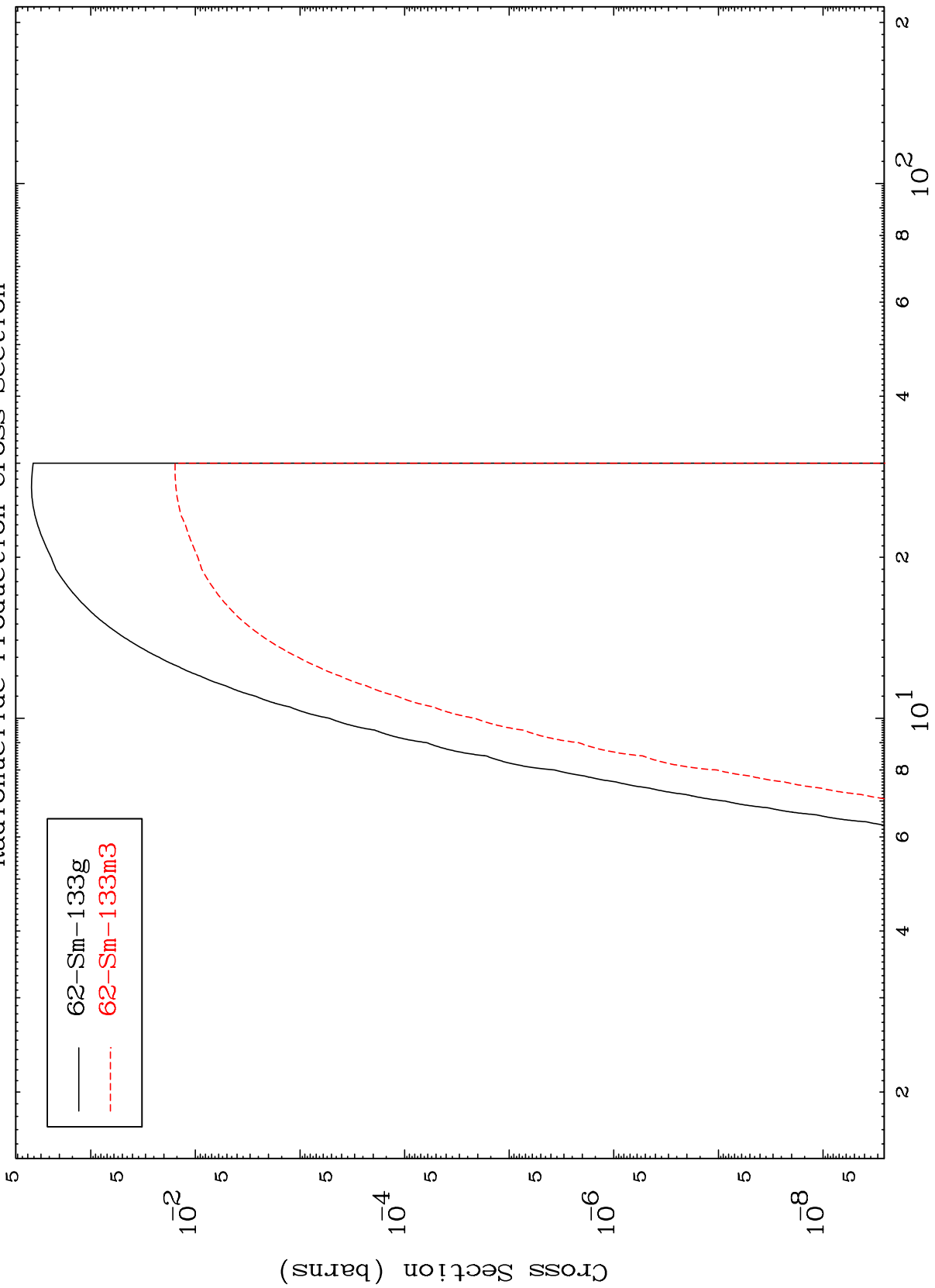


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(n,2n) p

64-Gd-135

Radionuclide Production Cross Section



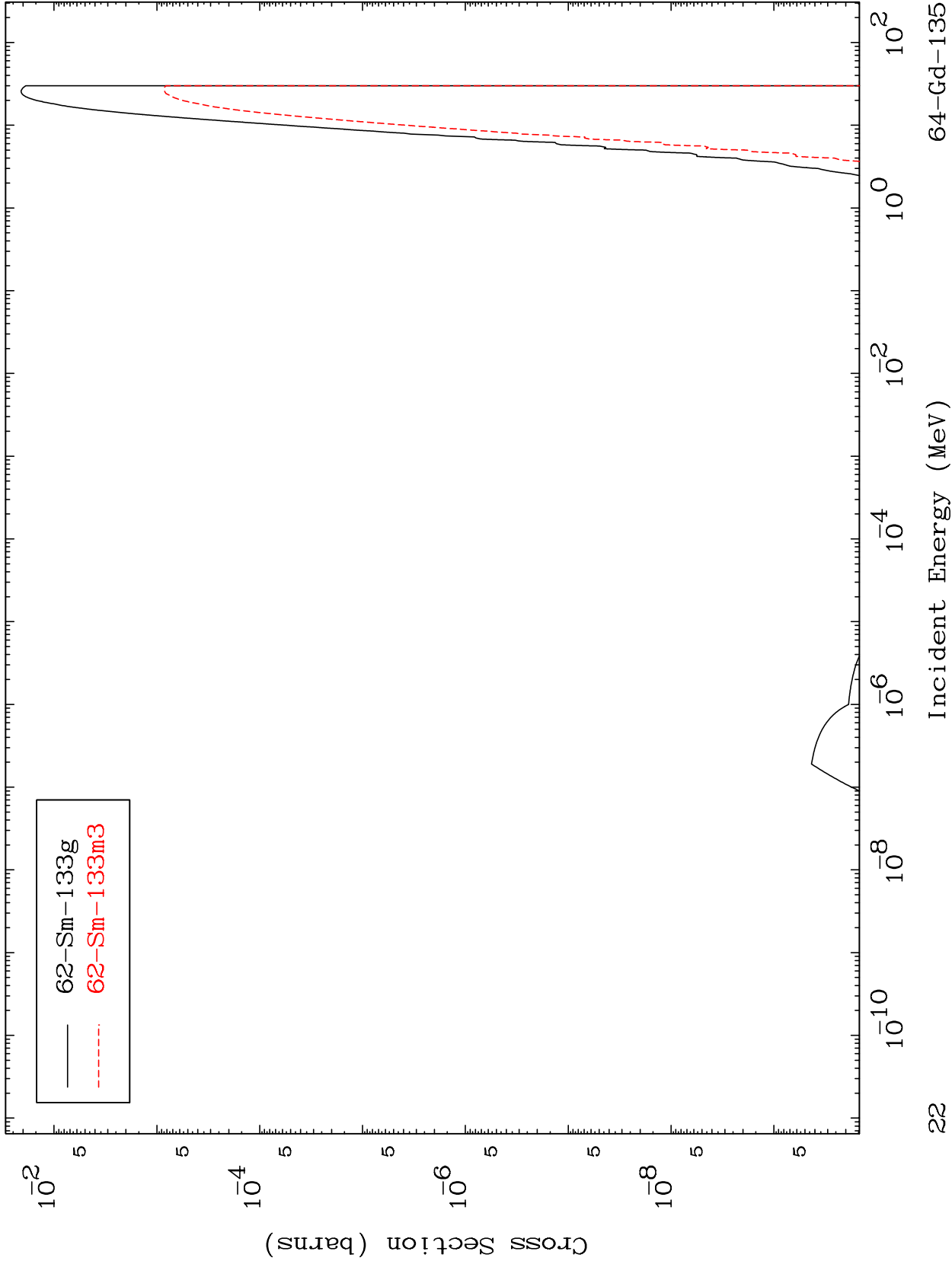
62-Sm-133g
62-Sm-133m3

MAT 6374

(n,He-3)

64-Gd-135

Radionuclide Production Cross Section



MAT 6374

(n,p) d

64-Gd-135

Radionuclide Production Cross Section

