

Program EVALPLOT
(Version 2015-2)

by

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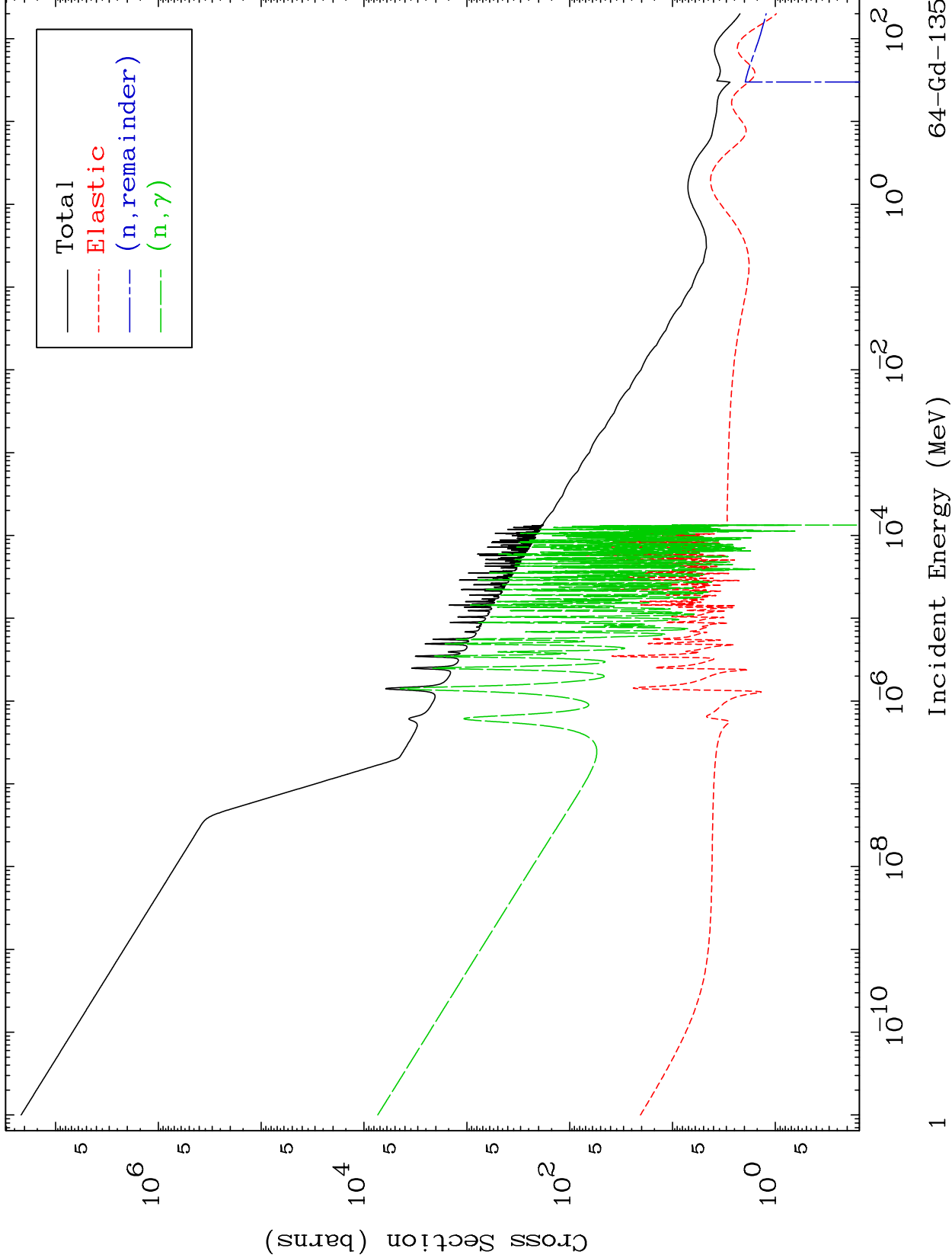
Press Mouse Button to Start

MAT 6374

Major

293 Kelvin Cross Sections

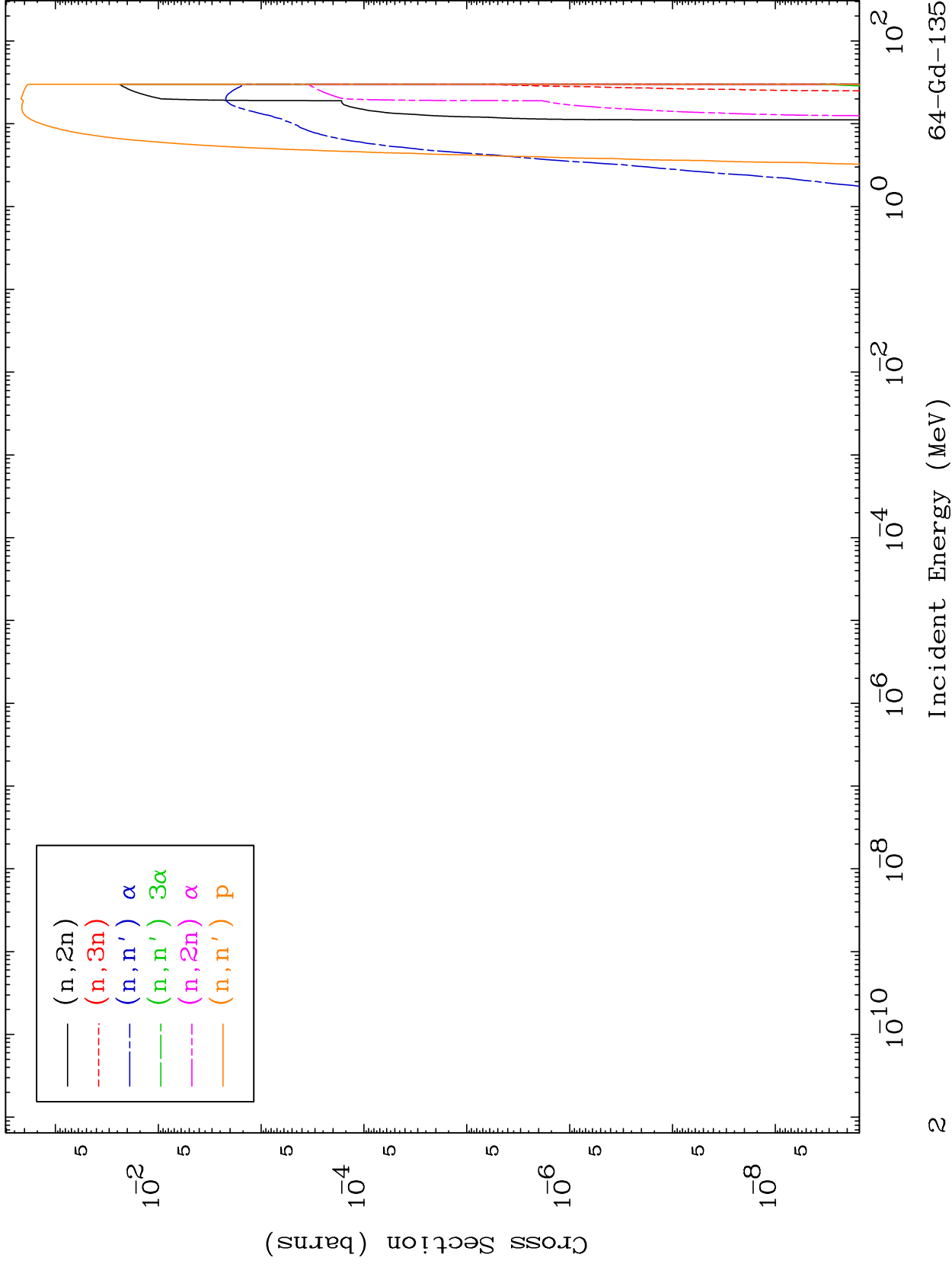
64-Gd-135



MAT 6374

Neutron Production
293 Kelvin Cross Sections

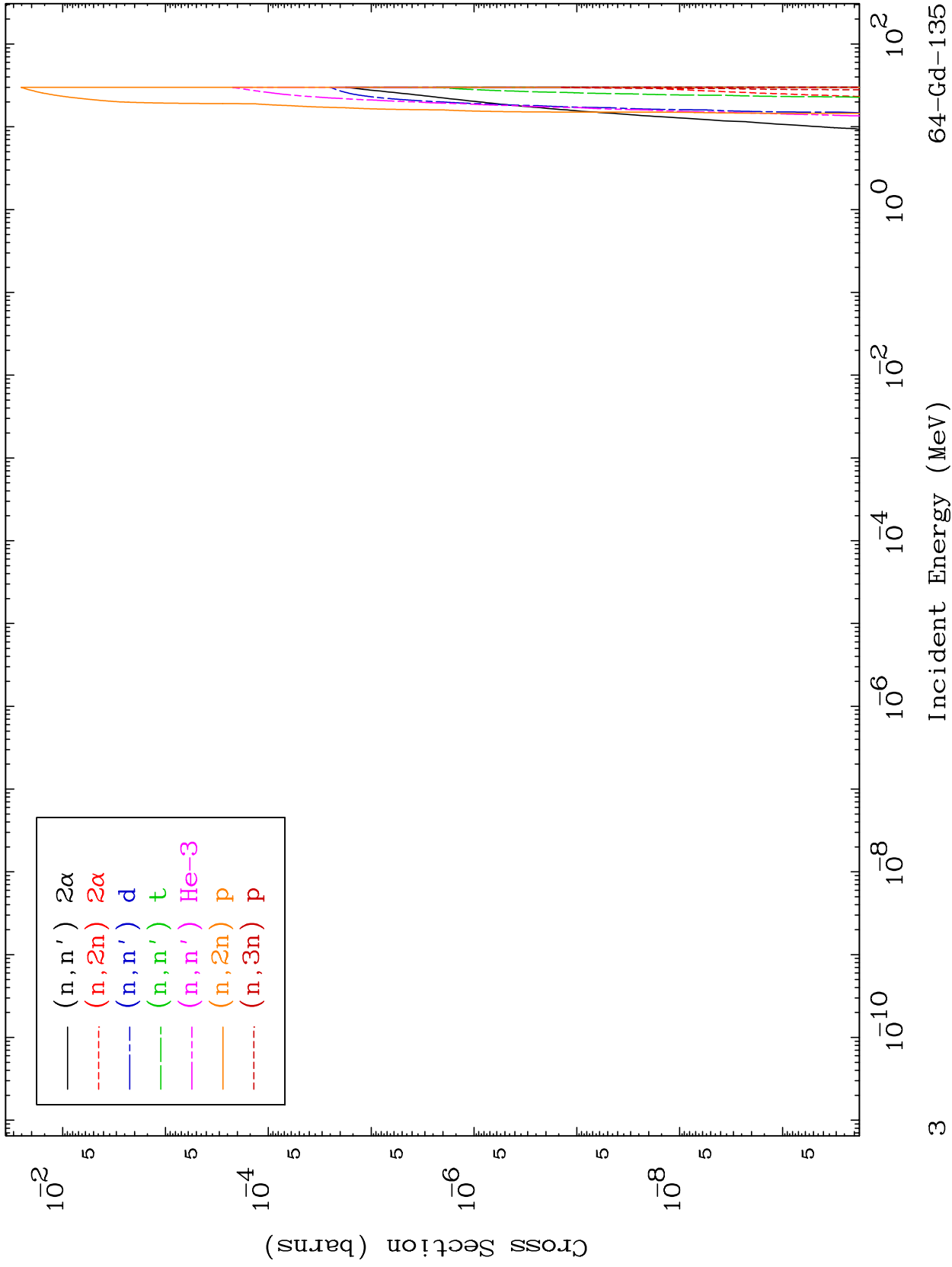
64-Gd-135



MAT 6374

Neutron Production
293 Kelvin Cross Sections

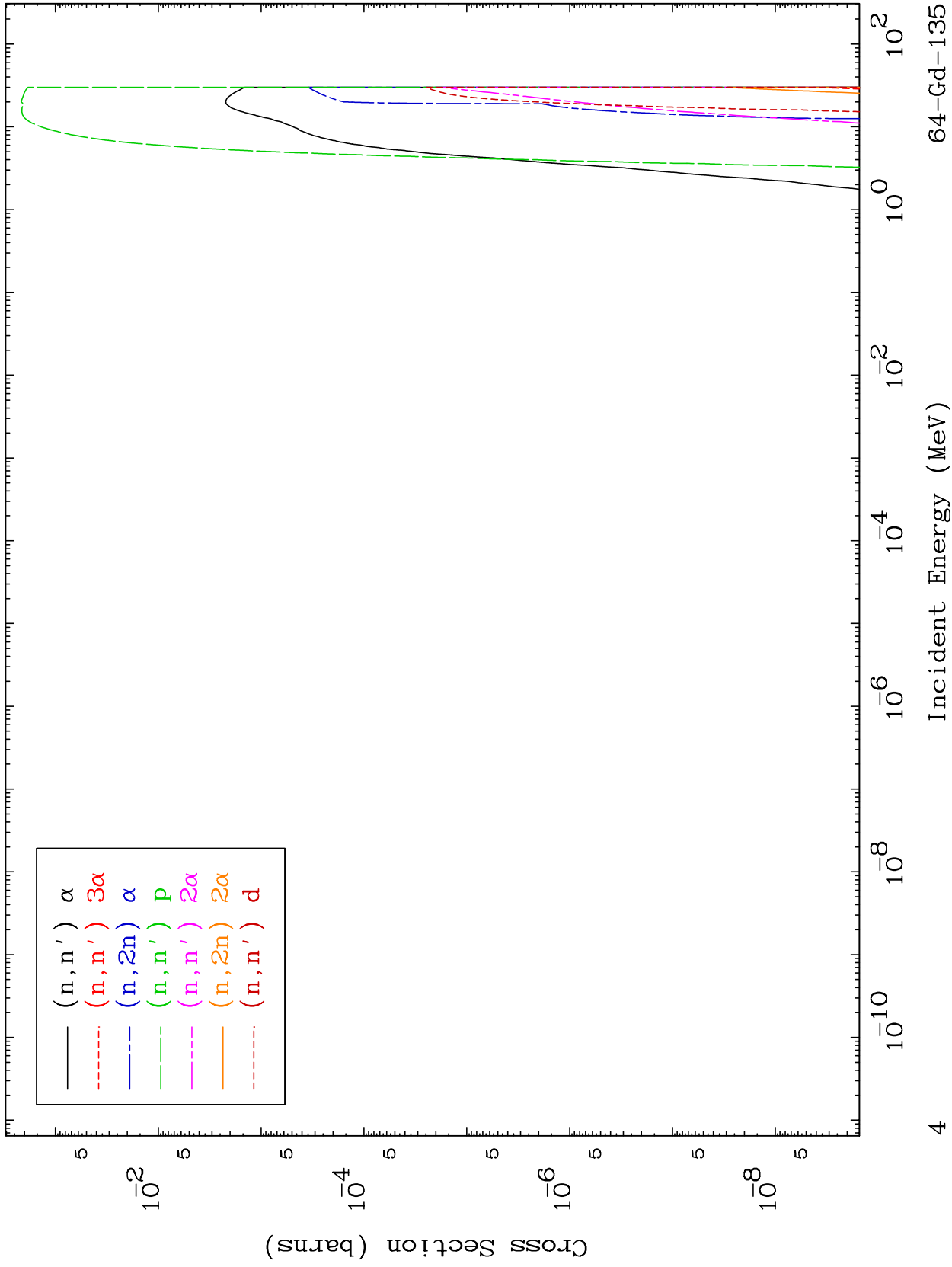
64-Gd-135



MAT 6374

Charged Particle
293 Kelvin Cross Sections

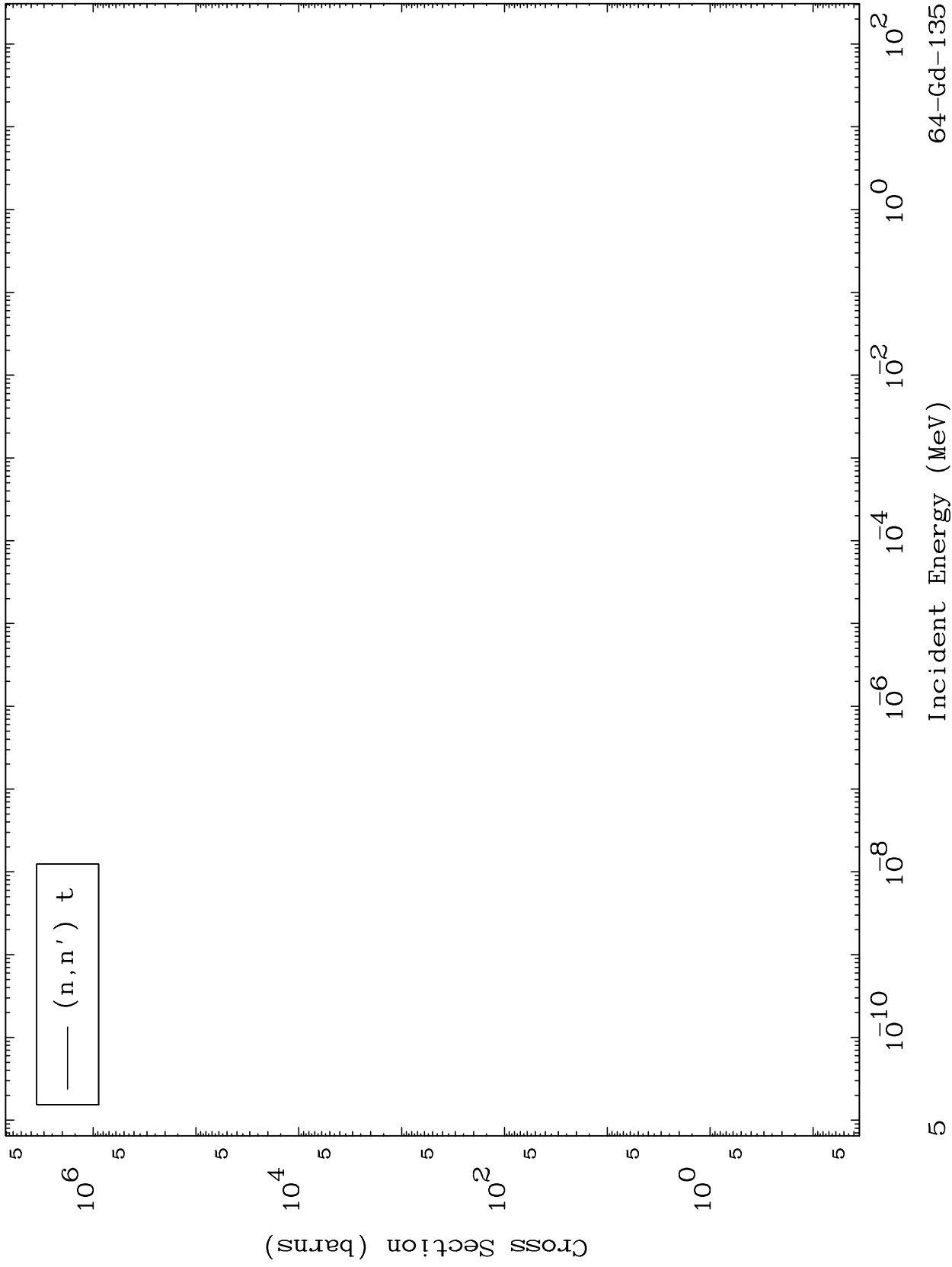
64-Gd-135



MAT 6374

Charged Particle
293 Kelvin Cross Sections

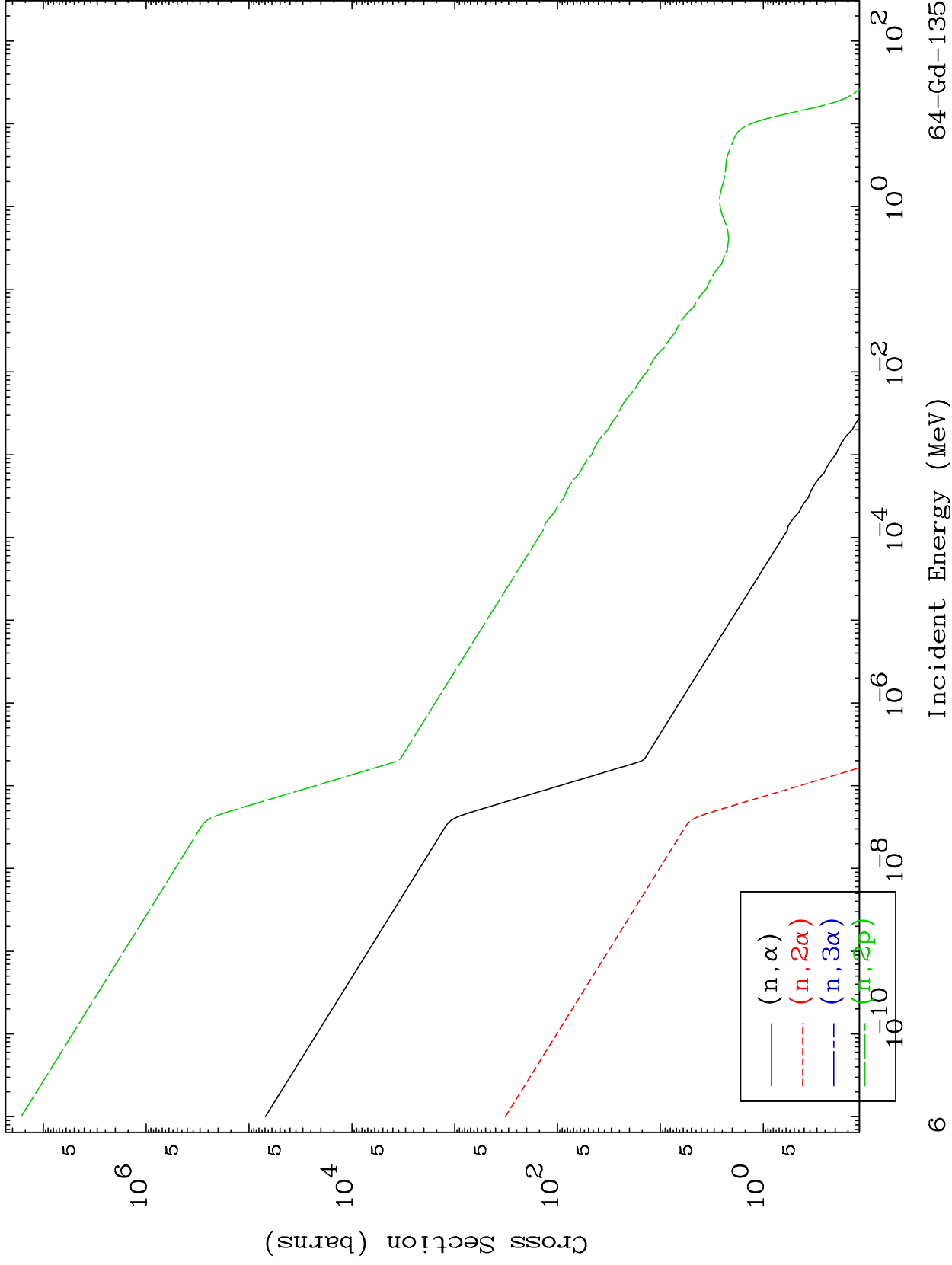
64-Gd-135



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Charged Particle
293 Kelvin Cross Sections

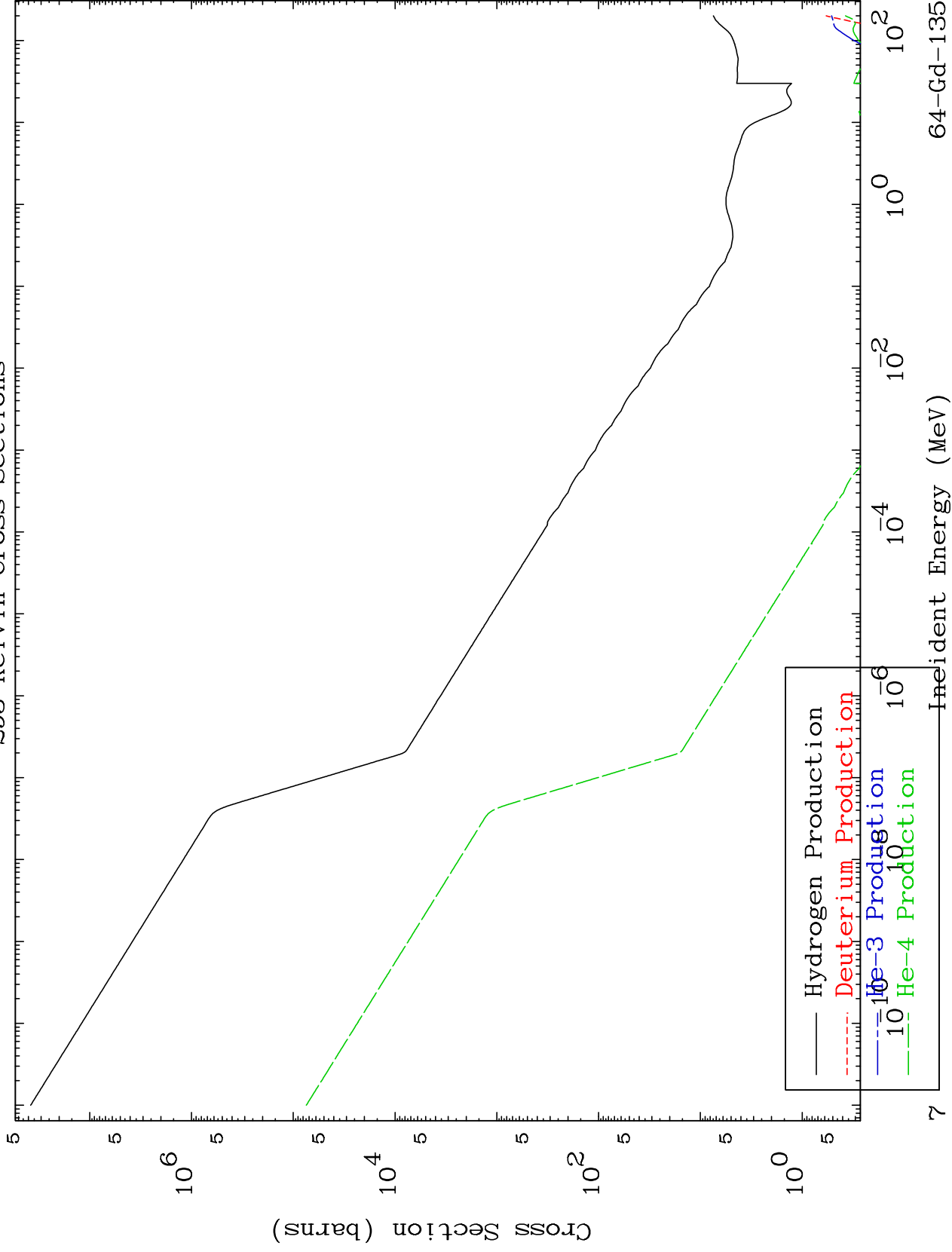
64-Gd-135



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Particle Production
293 Kelvin Cross Sections

64-Gd-135

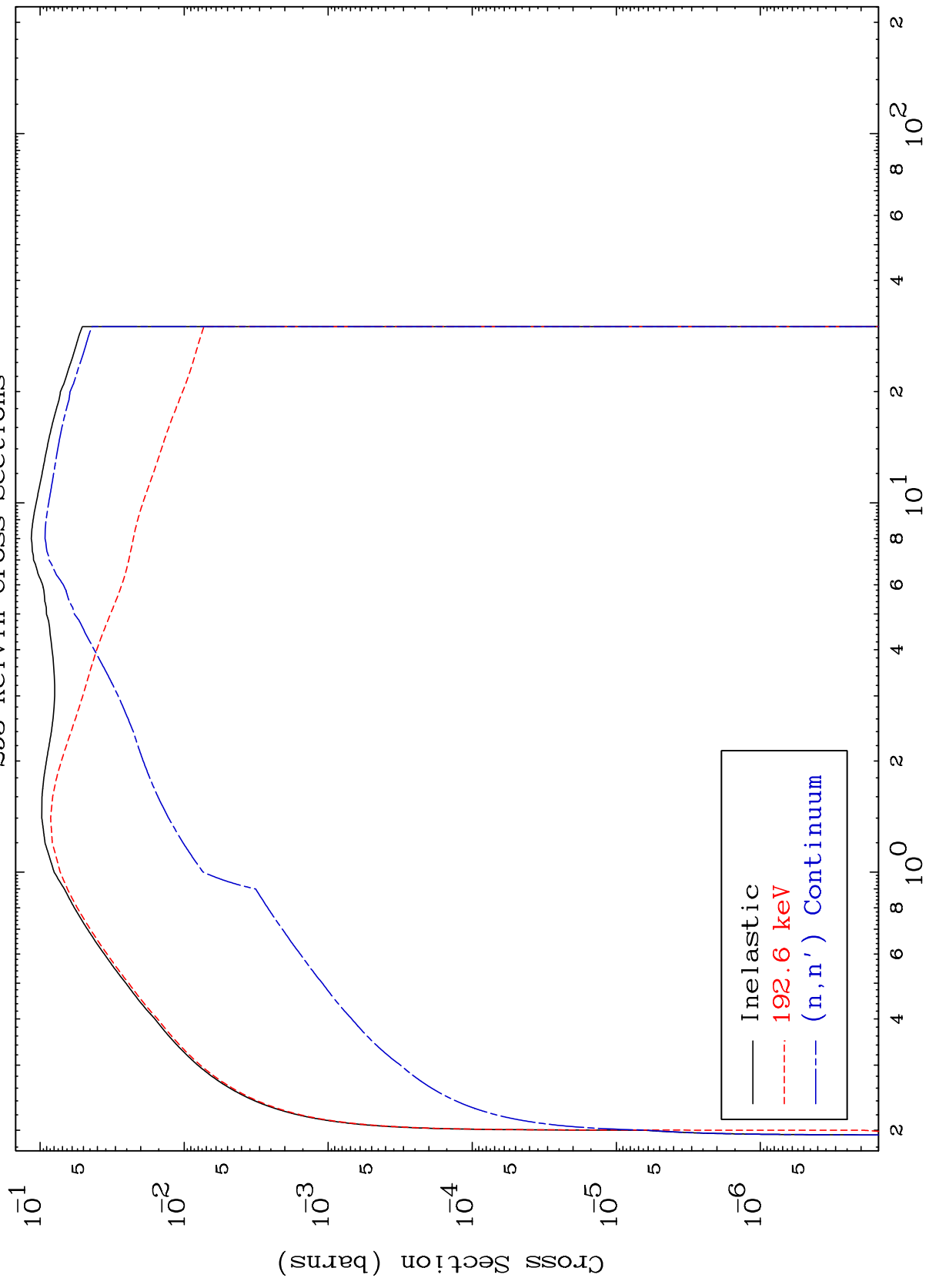


64-Gd-135

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64-Gd-135

(n,n') Level
293 Kelvin Cross Sections



8

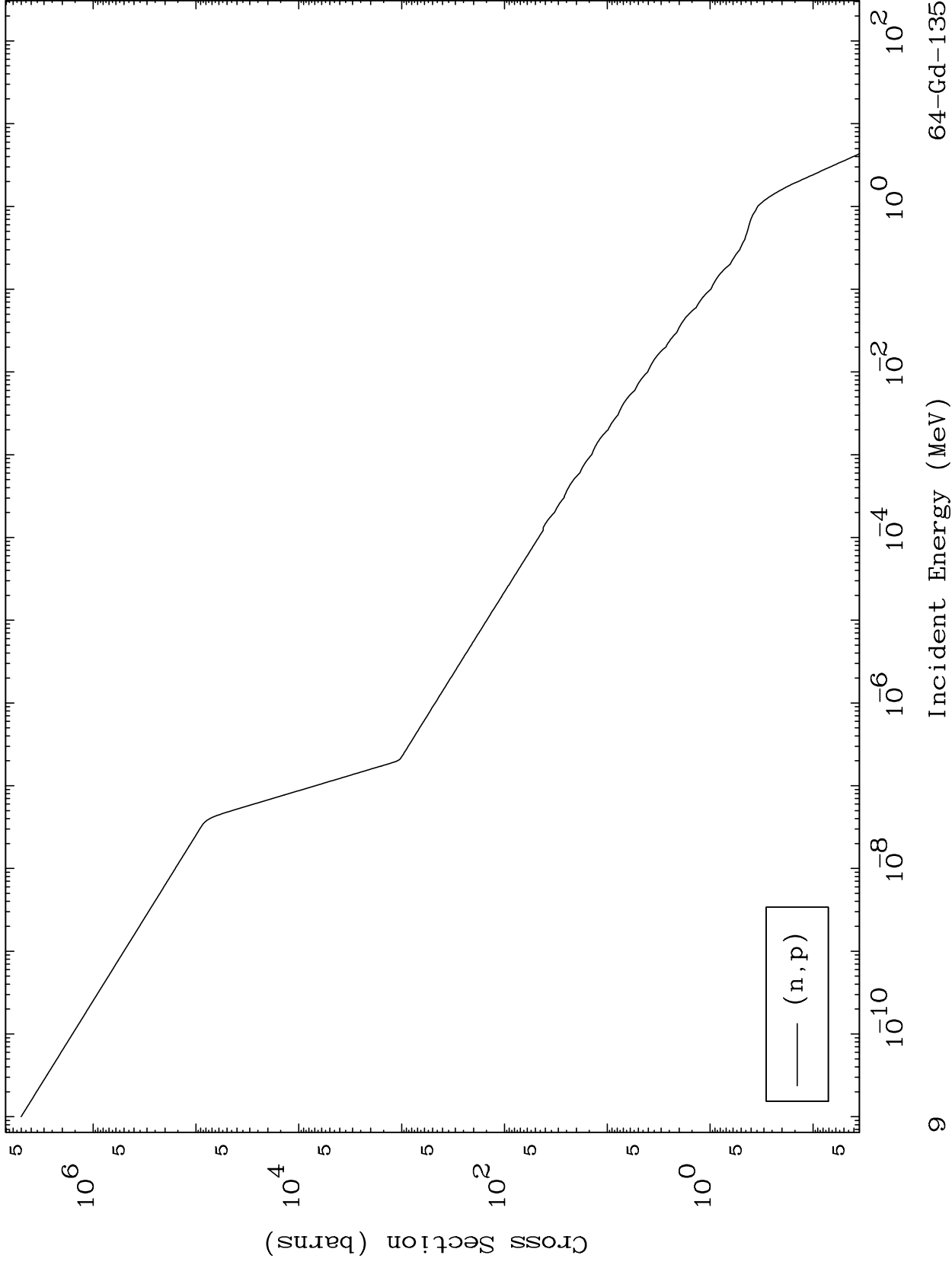
Incident Energy (MeV)

64-Gd-135

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(n,p) Levels
293 Kelvin Cross Sections

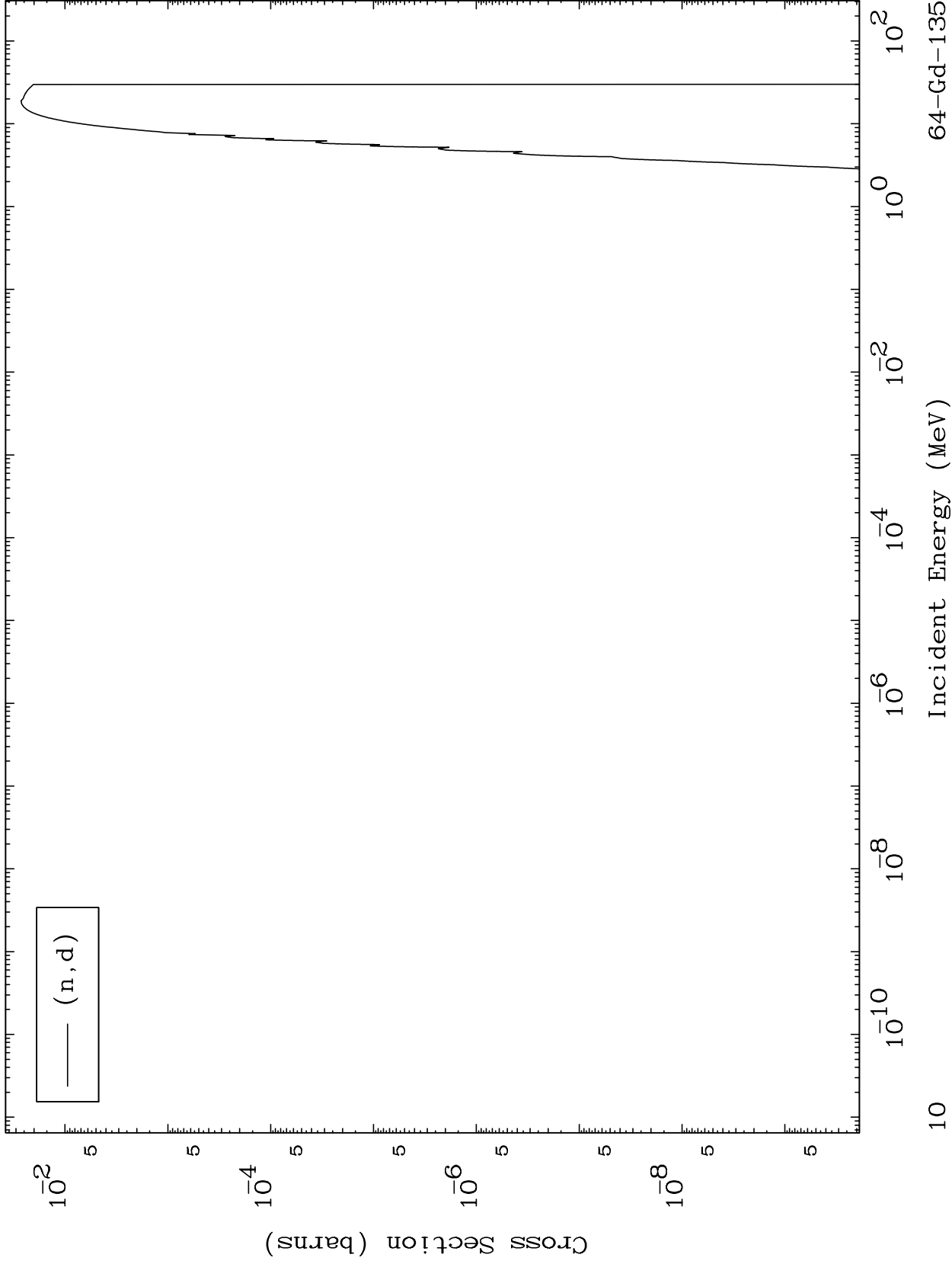
64-Gd-135



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(n,d) Levels
293 Kelvin Cross Sections

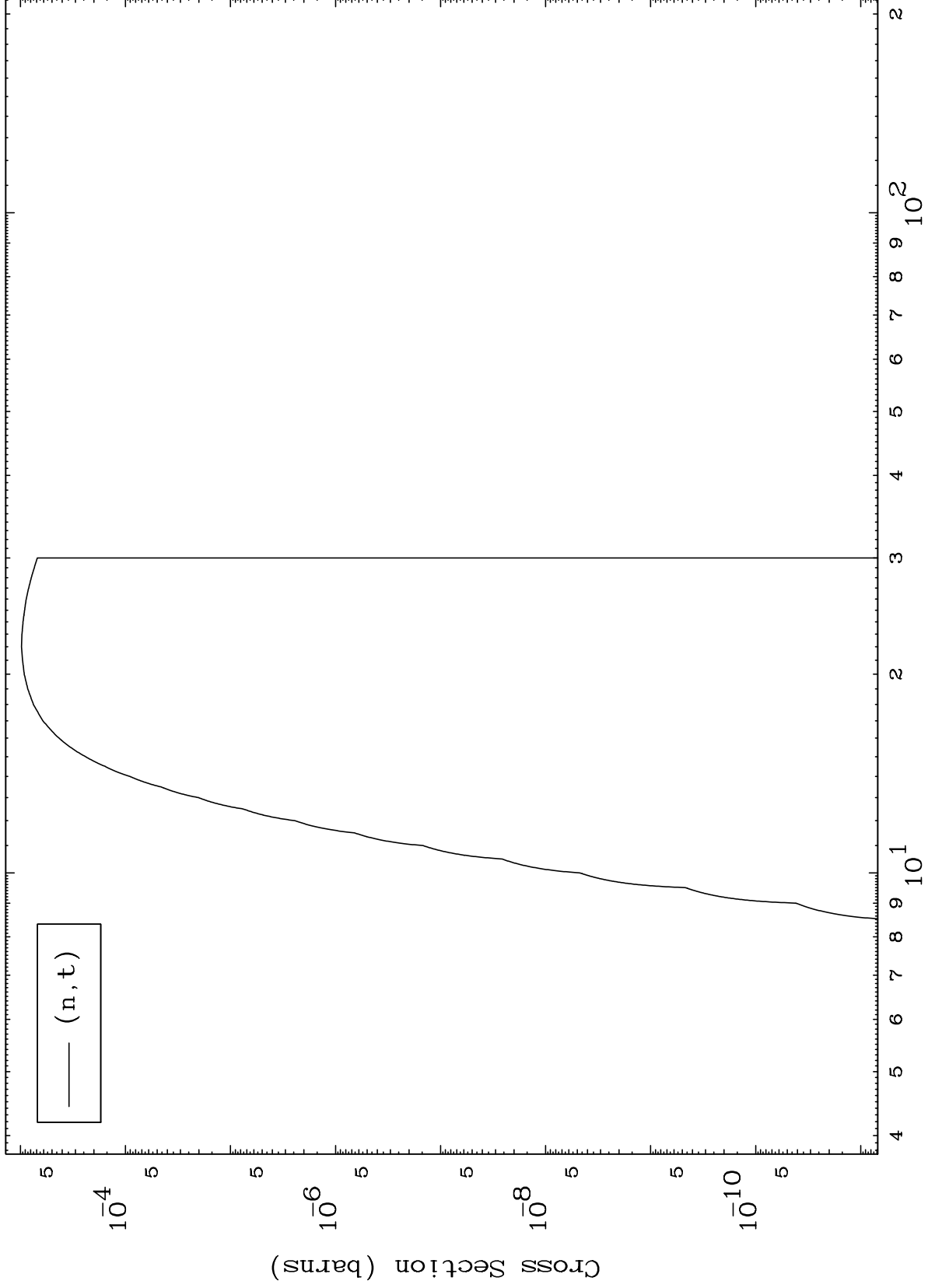
64-Gd-135



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(n,t) Levels
293 Kelvin Cross Sections

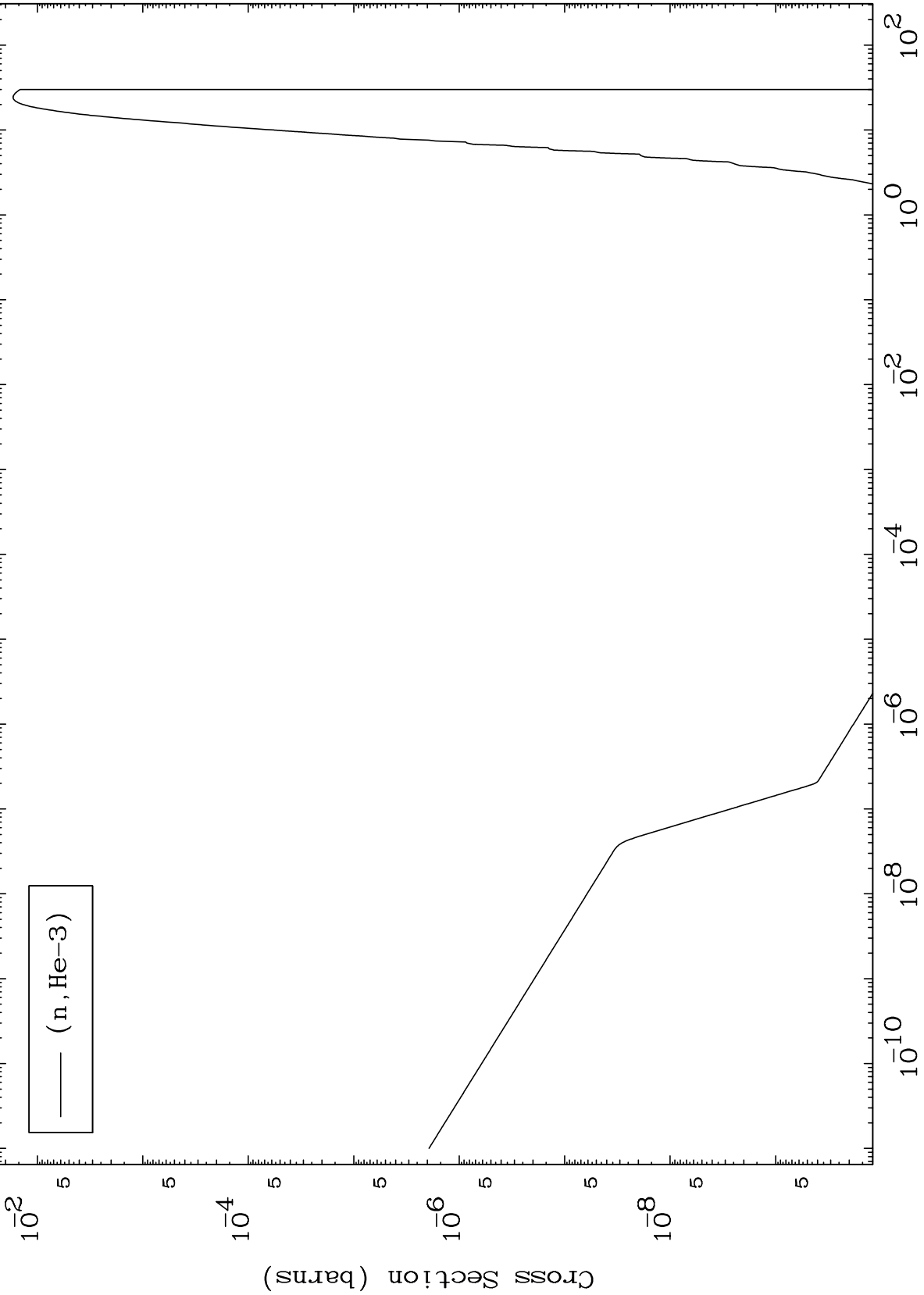
64-Gd-135



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(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-135



(n, He-3)

64-Gd-135

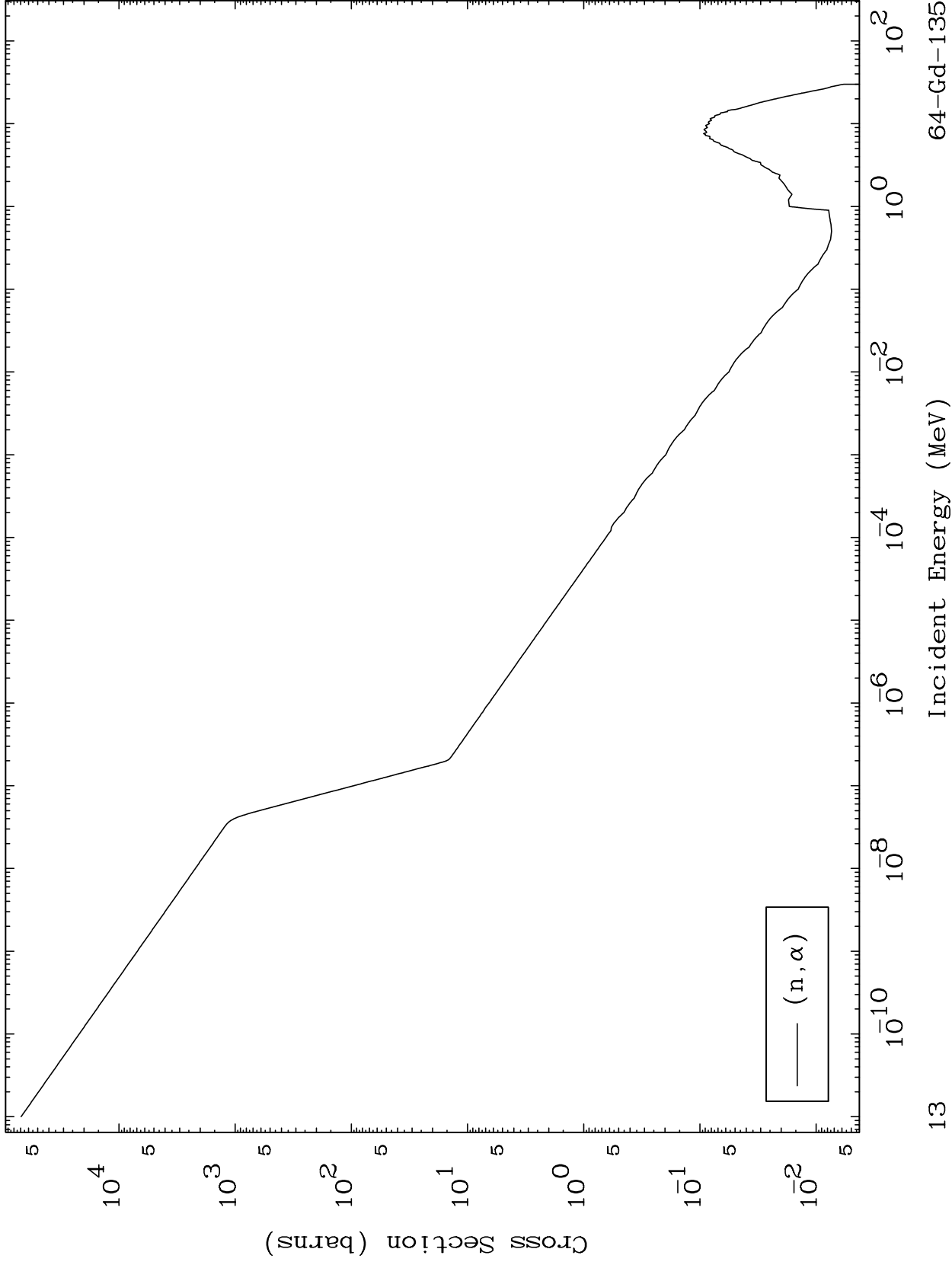
Incident Energy (MeV)

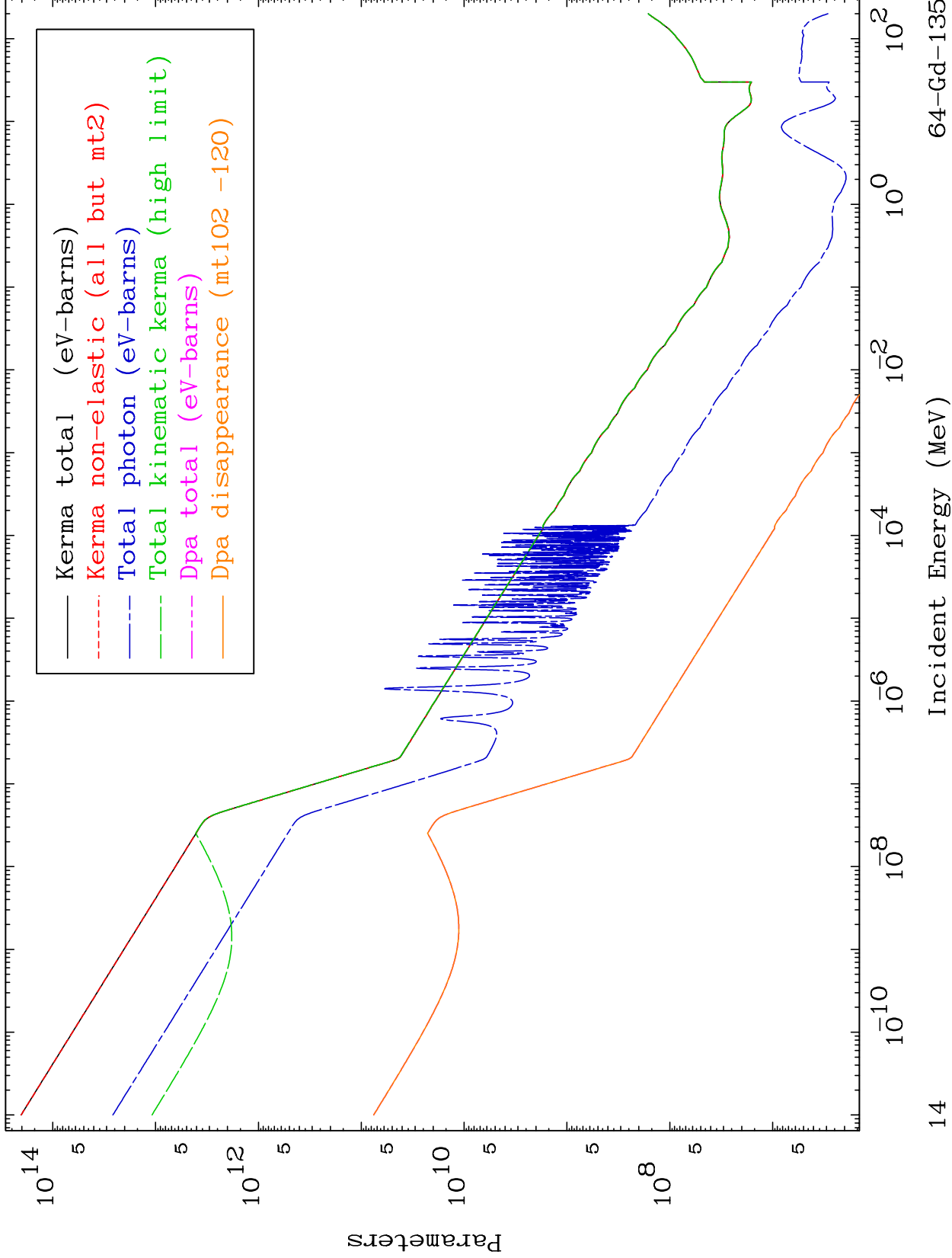
12

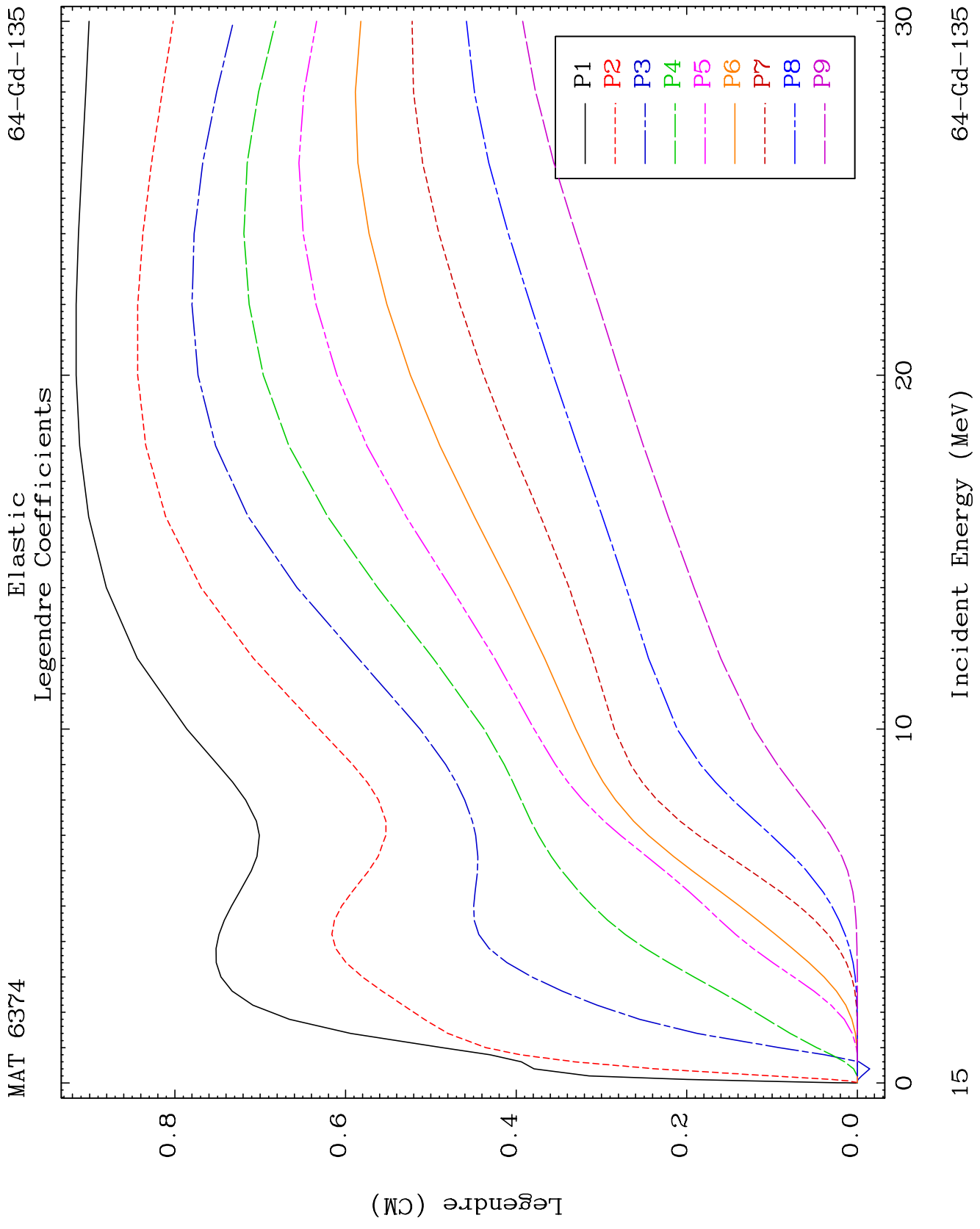
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(n, α) Levels
293 Kelvin Cross Sections

64-Gd-135



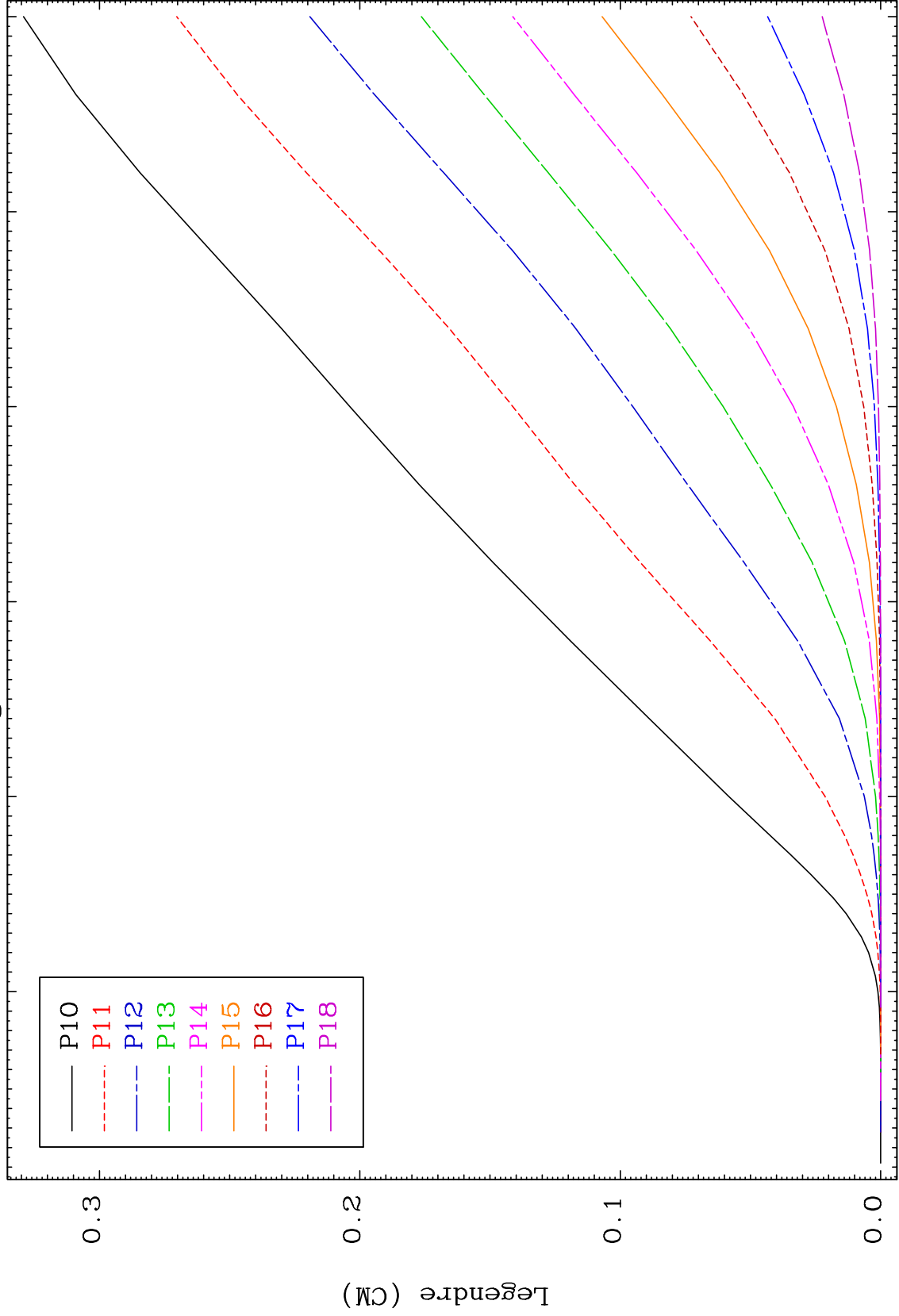




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Elastic Legendre Coefficients

64-Gd-135



16

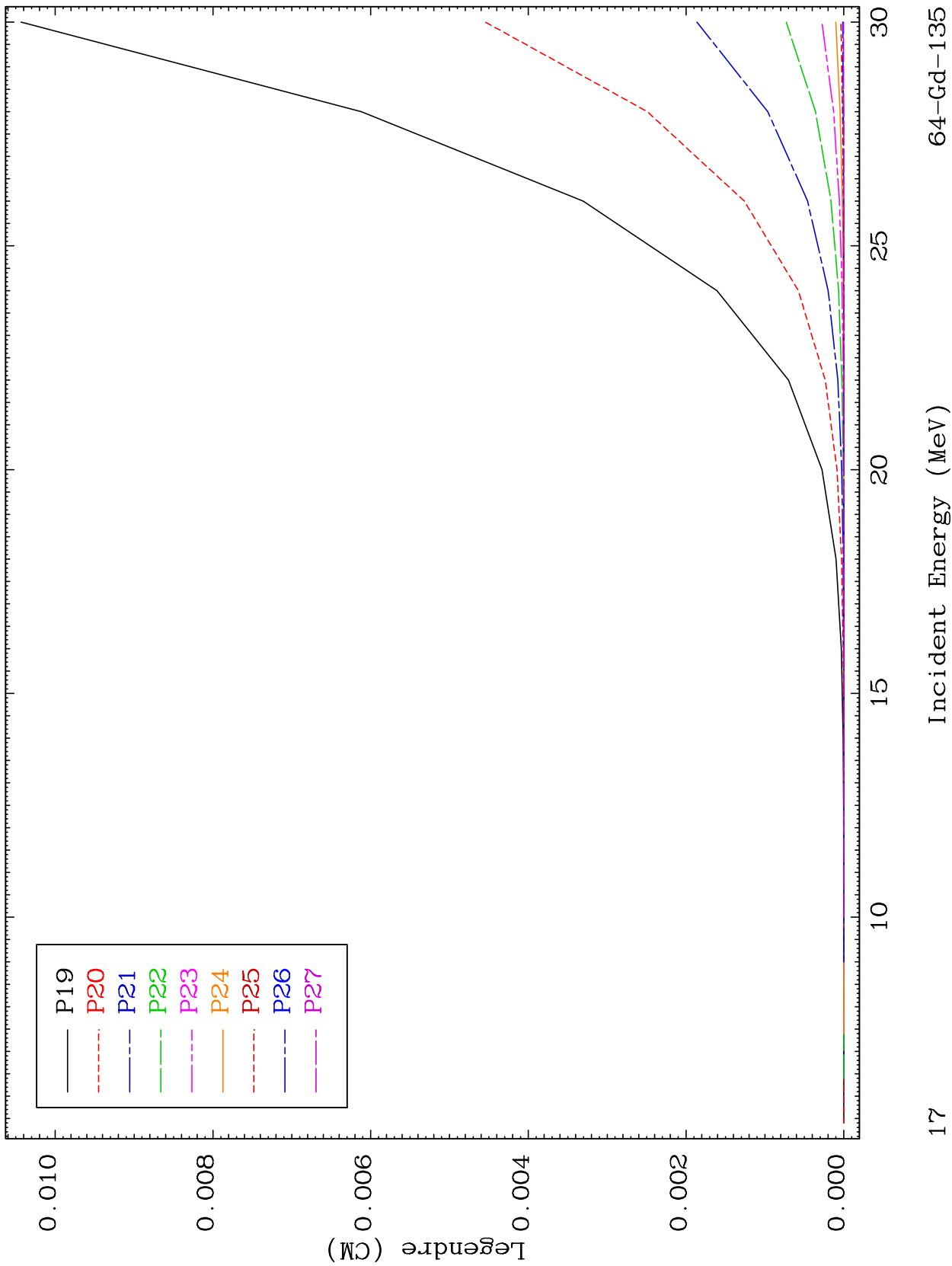
Incident Energy (MeV)

64-Gd-135

MAT 6374

Elastic Legendre Coefficients

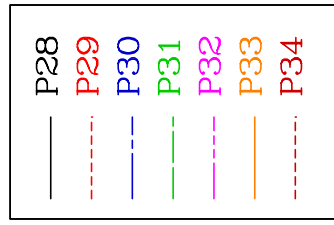
64-Gd-135



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Elastic Legendre Coefficients

64-Gd-135



$\times 10^{-6}$
1.0
0.8
0.6
0.4
0.2
0.0

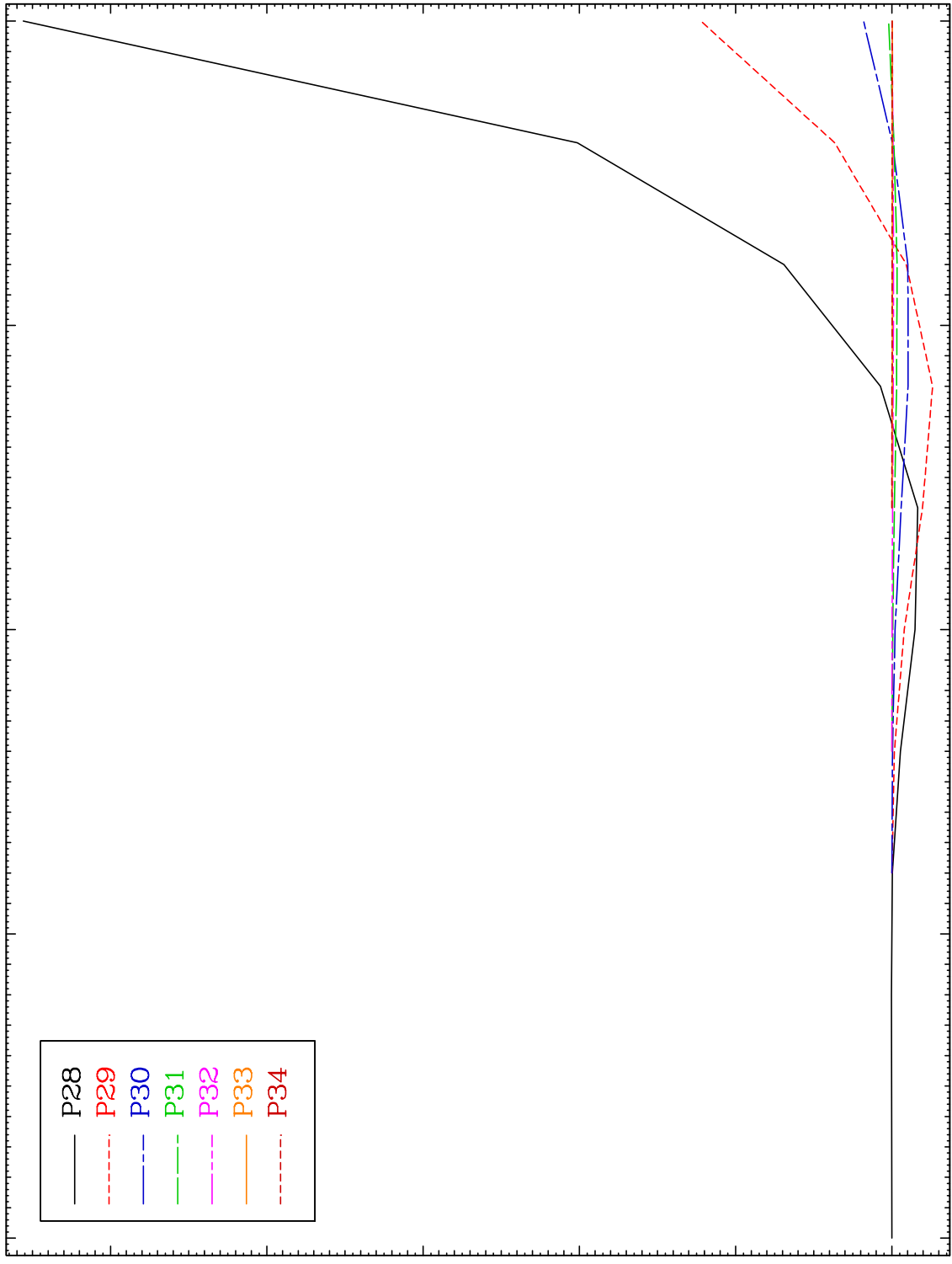
Legendre (CM)

10 15 20 25 30

18

Incident Energy (MeV)

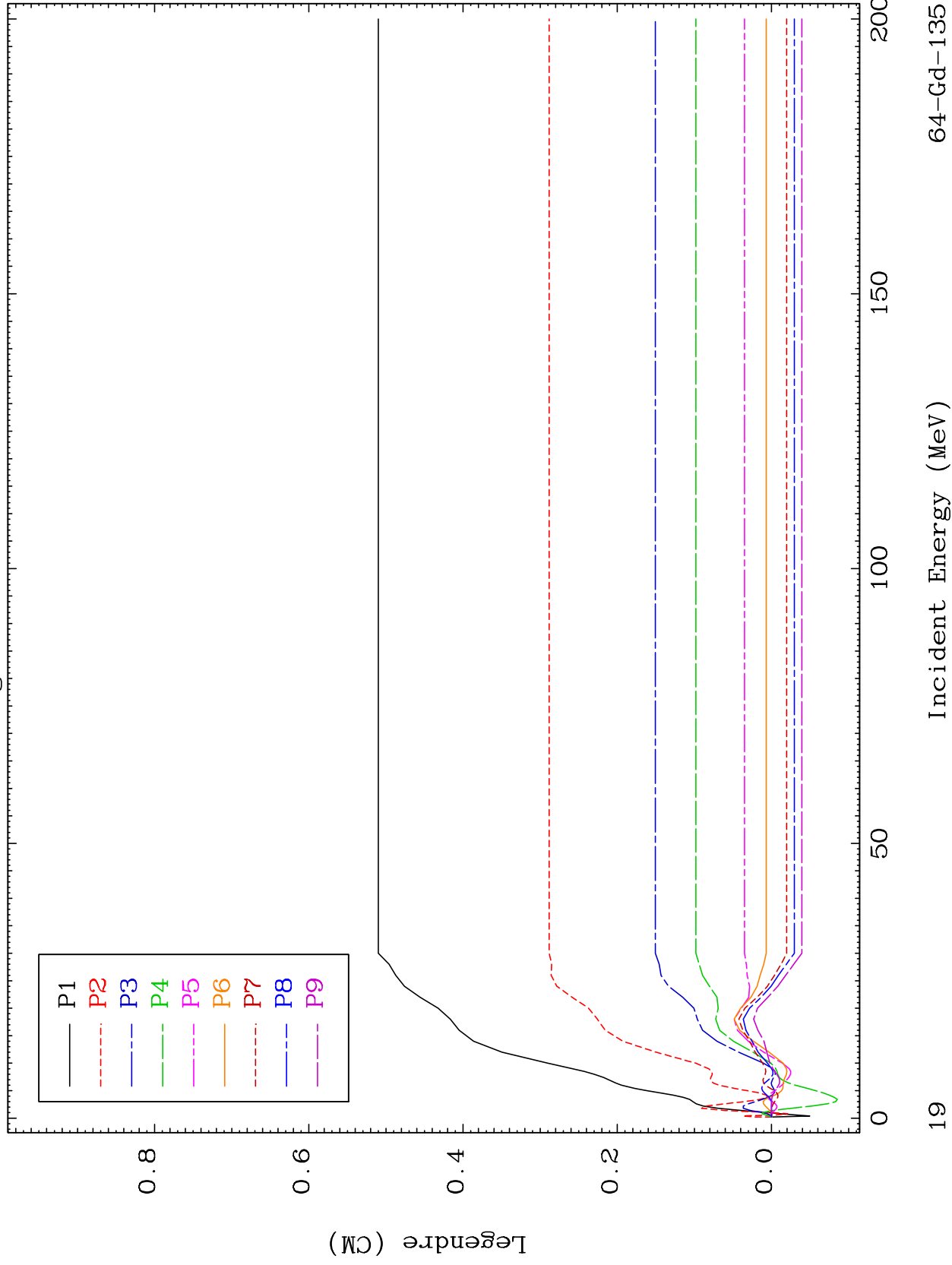
64-Gd-135



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192.6 keV (n,n') Level
Legendre Coefficients

64-Gd-135



64-Gd-135

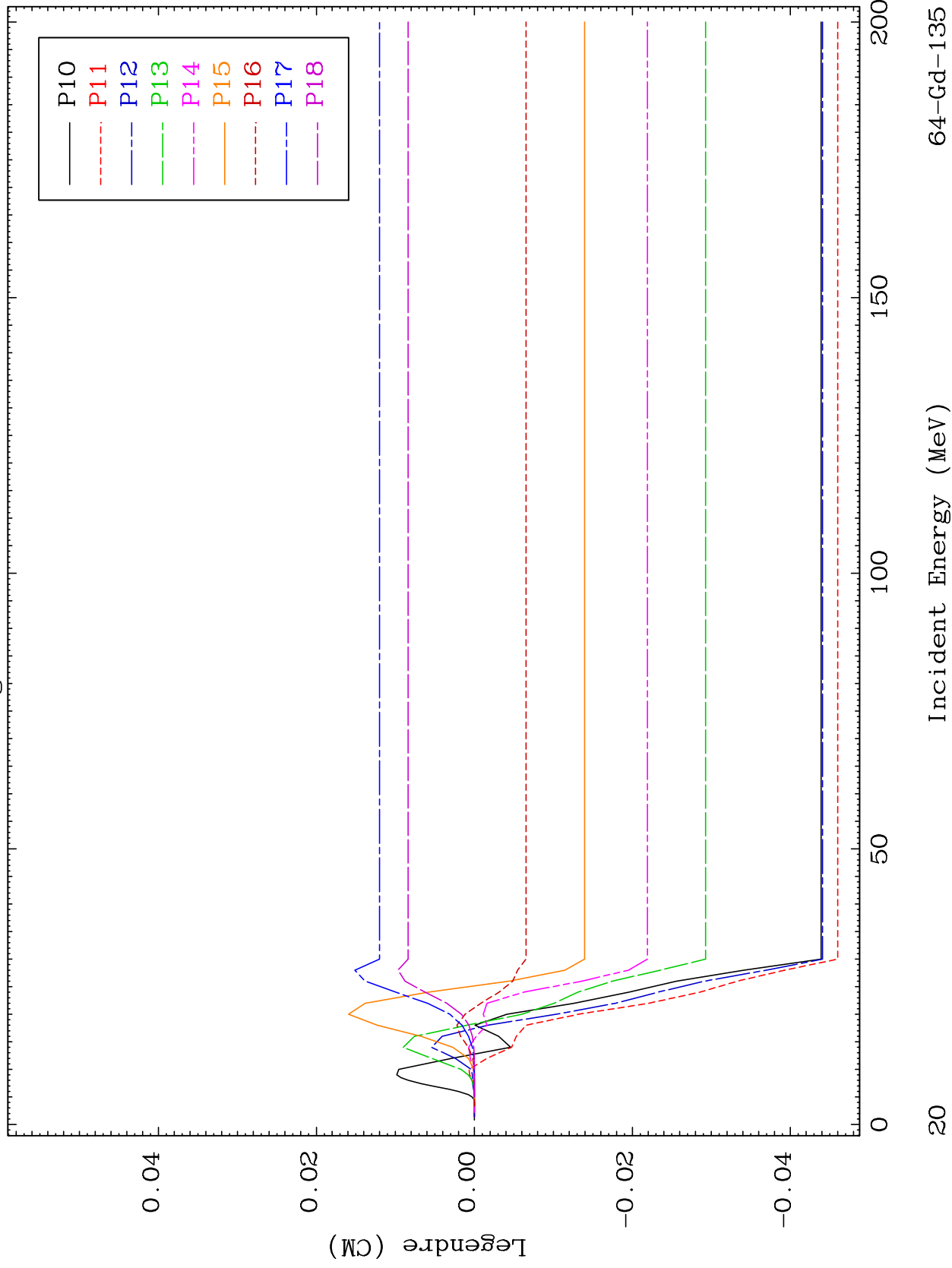
Incident Energy (MeV)

19

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192.6 keV (n,n') Level
Legendre Coefficients

64-Gd-135



64-Gd-135

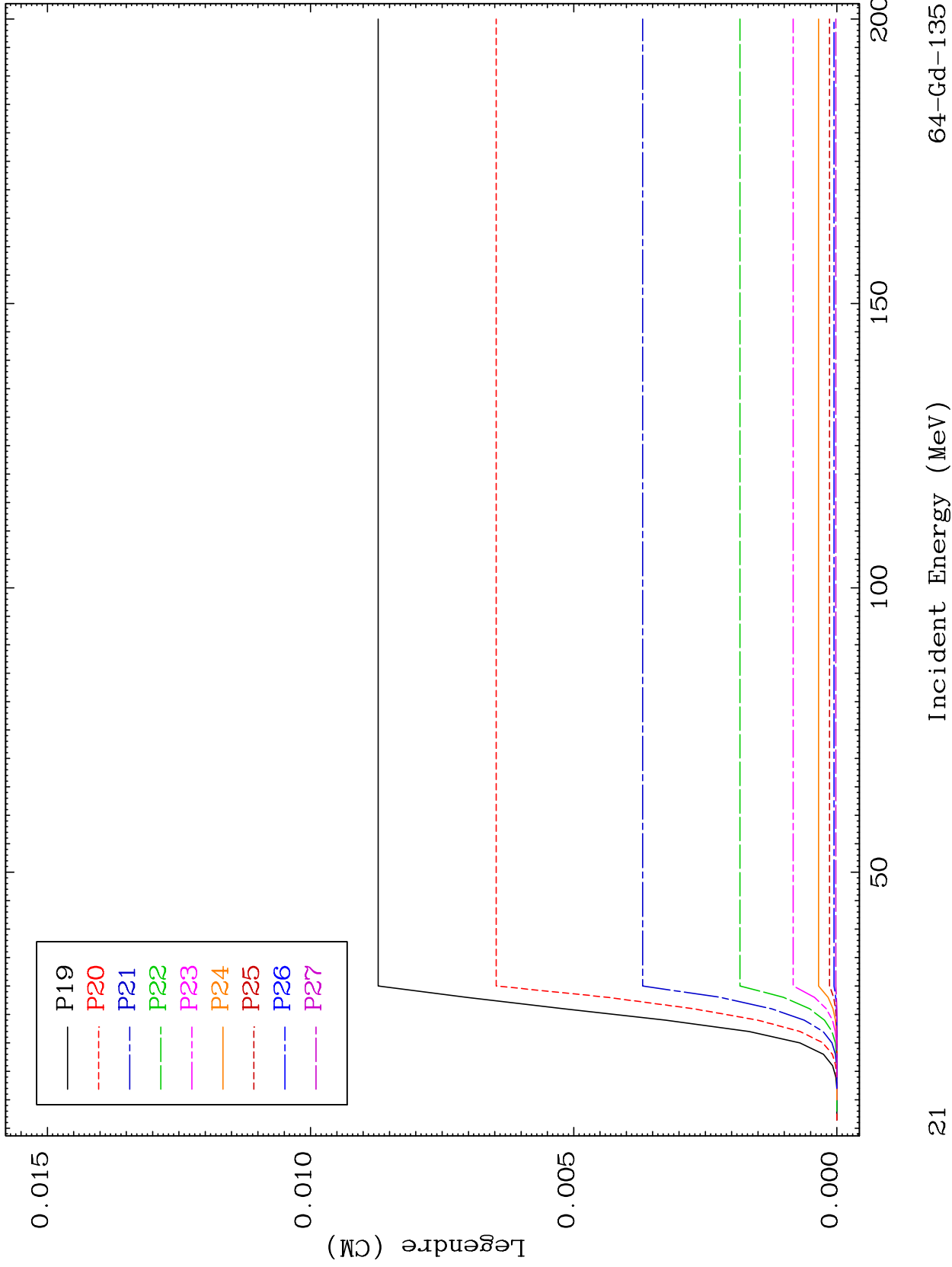
Incident Energy (MeV)

20

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192.6 keV (n,n') Level
Legendre Coefficients

64-Gd-135



21

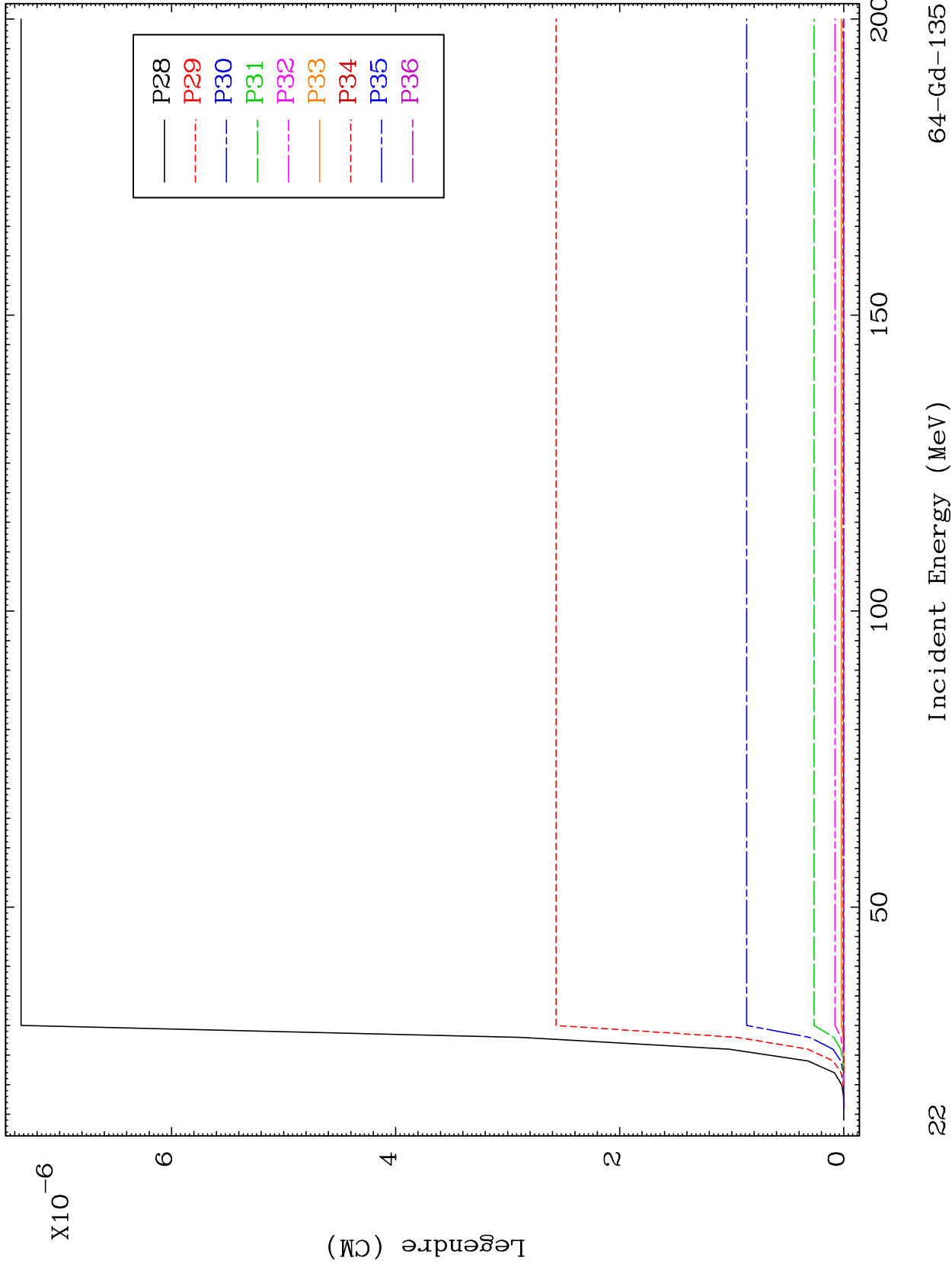
Incident Energy (MeV)

64-Gd-135

MAT 6374

192.6 keV (n, n') Level
Legendre Coefficients

64-Gd-135



22

Incident Energy (MeV)

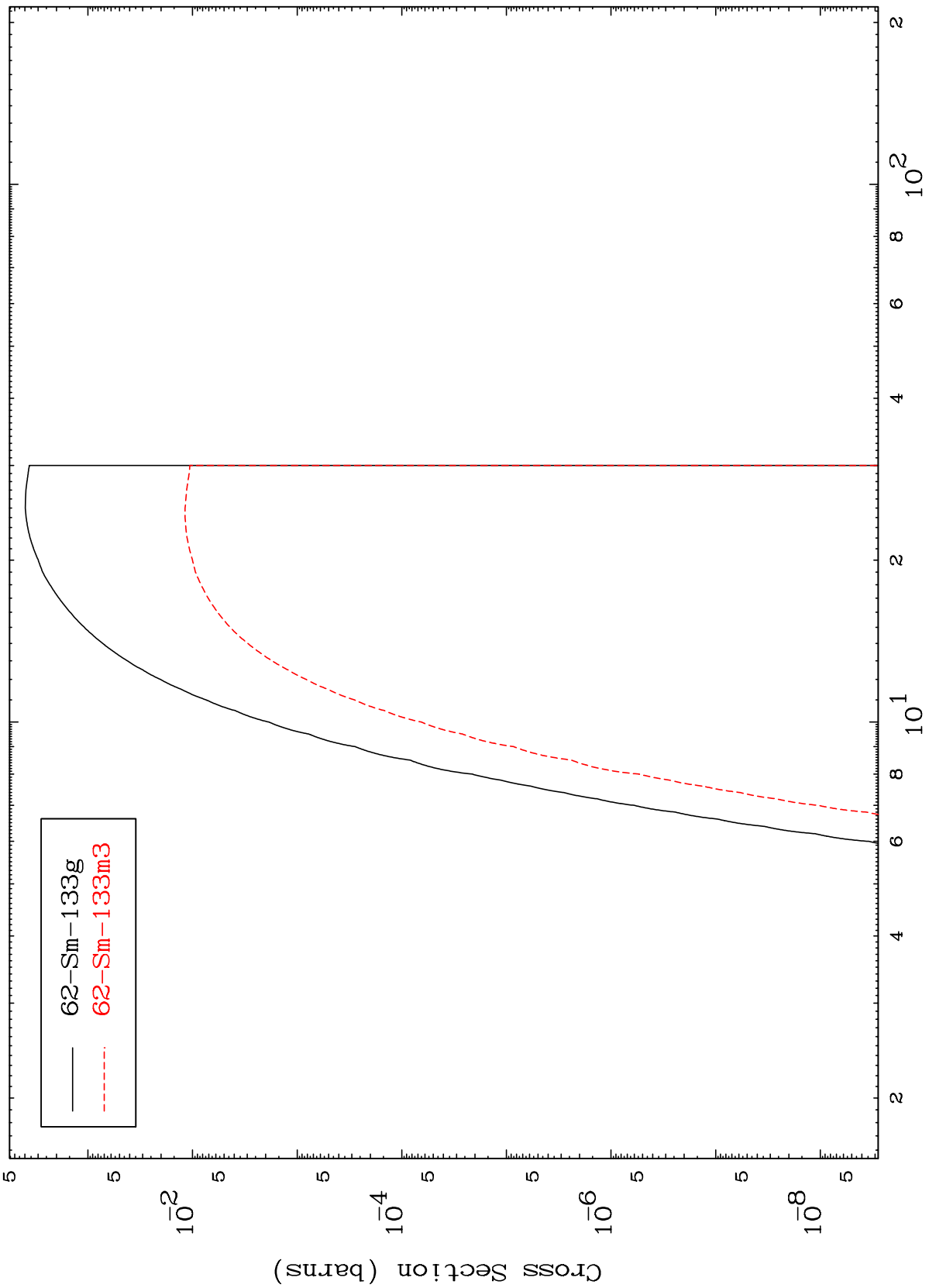
64-Gd-135

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(n,2n) p

64-Gd-135

Radionuclide Production Cross Section



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

23

Incident Energy (MeV)

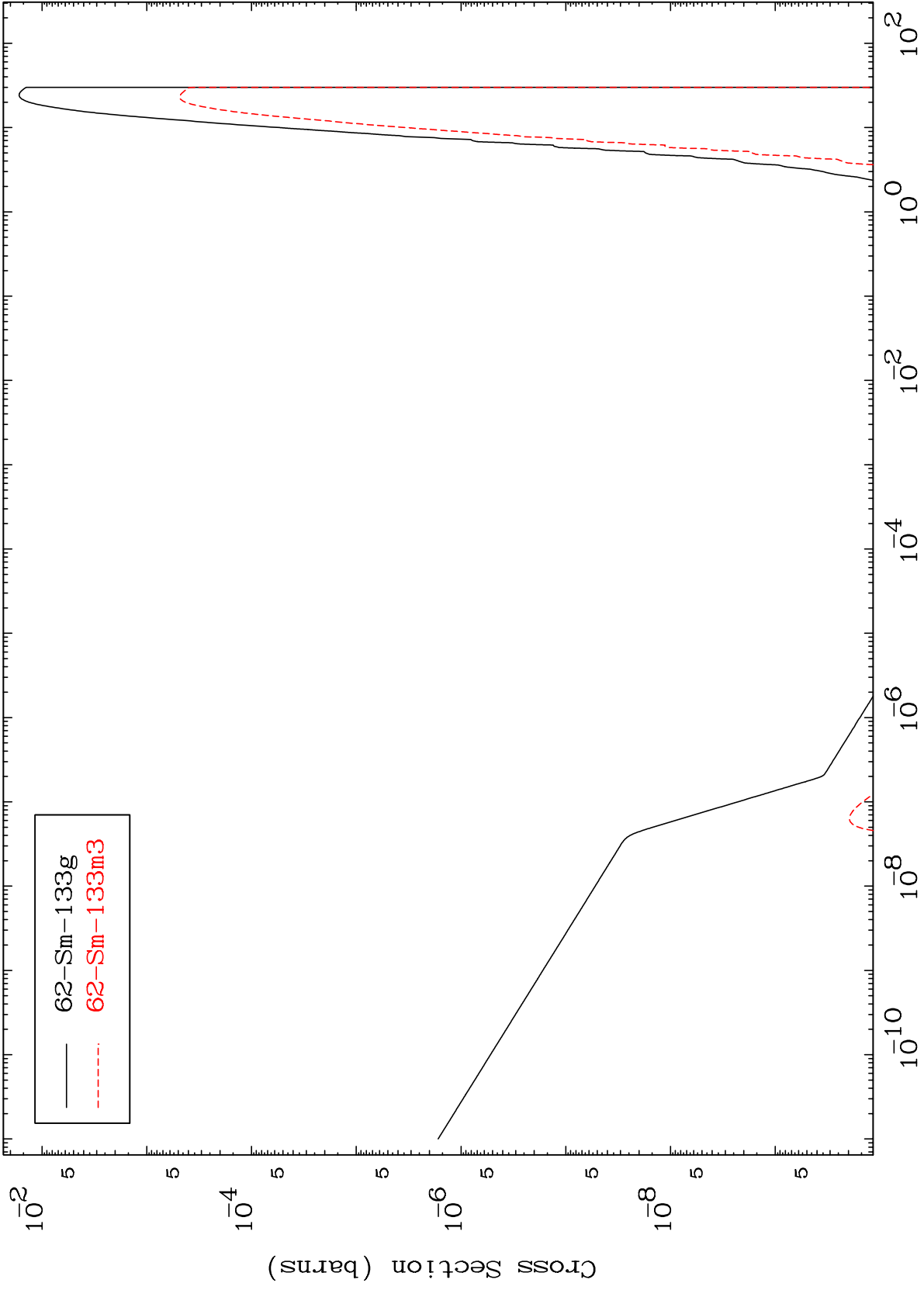
64-Gd-135

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(n,He-3)

64-Gd-135

Radionuclide Production Cross Section



24

Incident Energy (MeV)

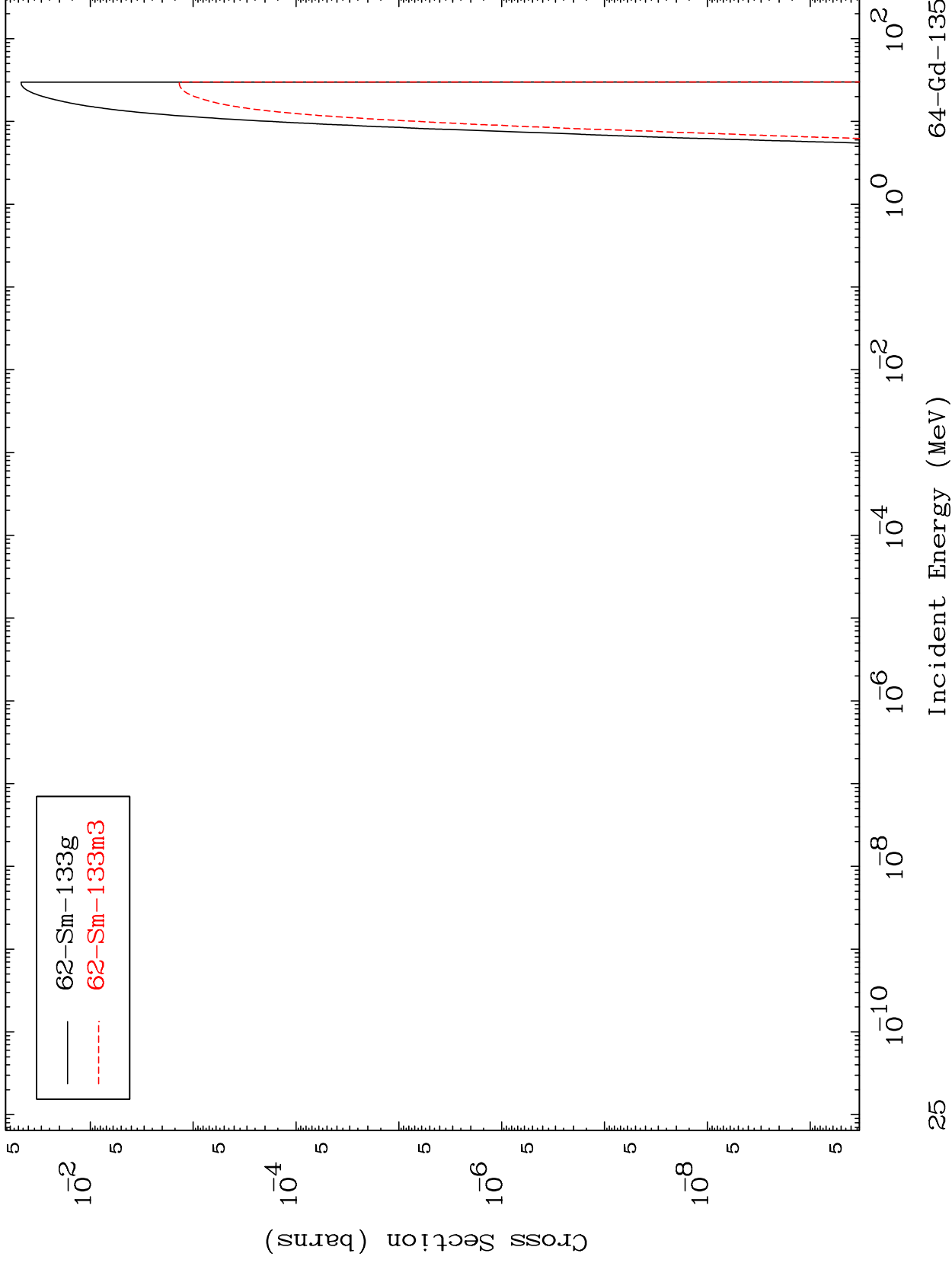
64-Gd-135

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(n,p) d

64-Gd-135

Radionuclide Production Cross Section



25