

Program EVALPLOT
(Version 2021-1)

by

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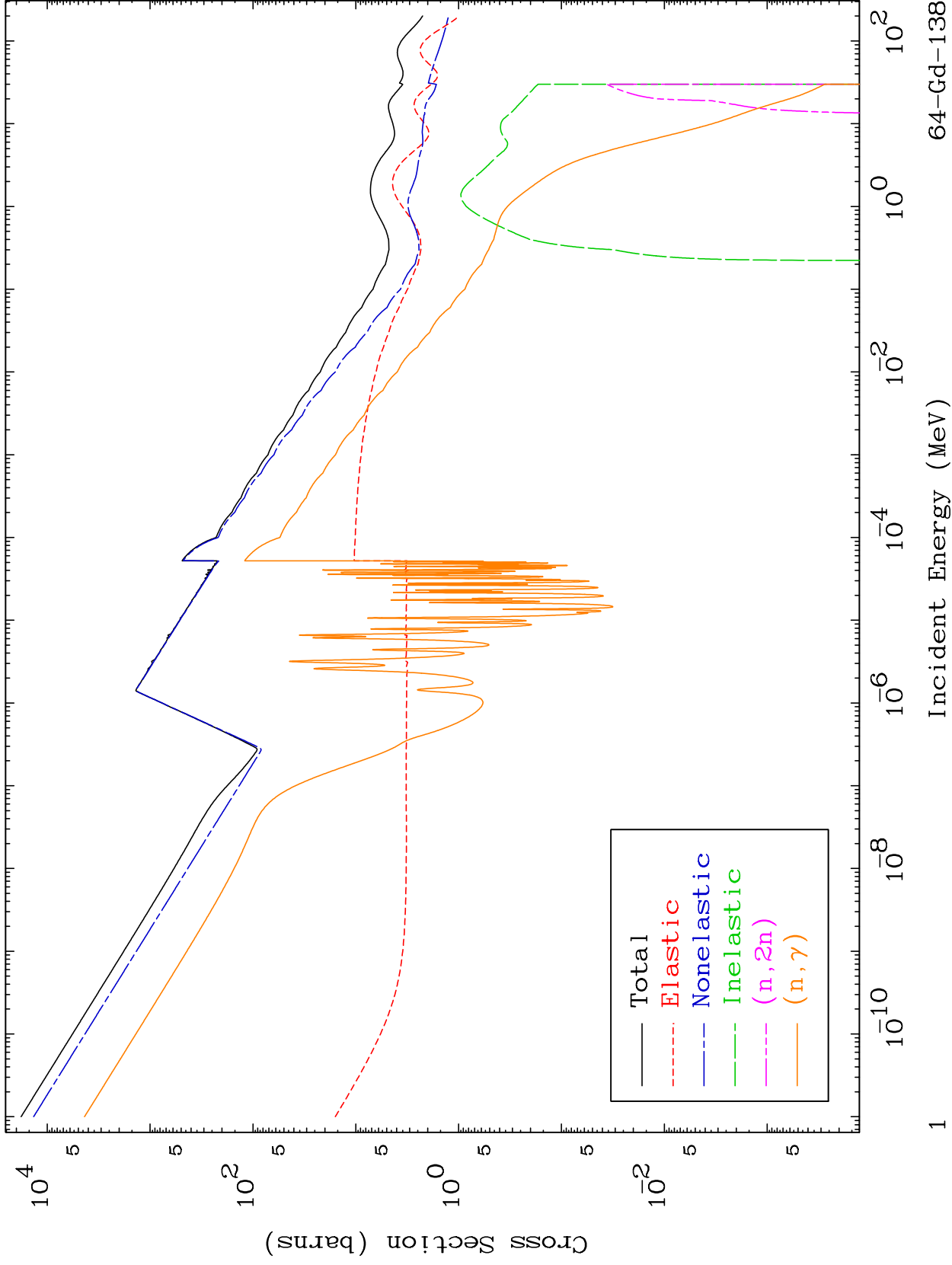
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6383

Neutron Major
293 Kelvin Cross Sections

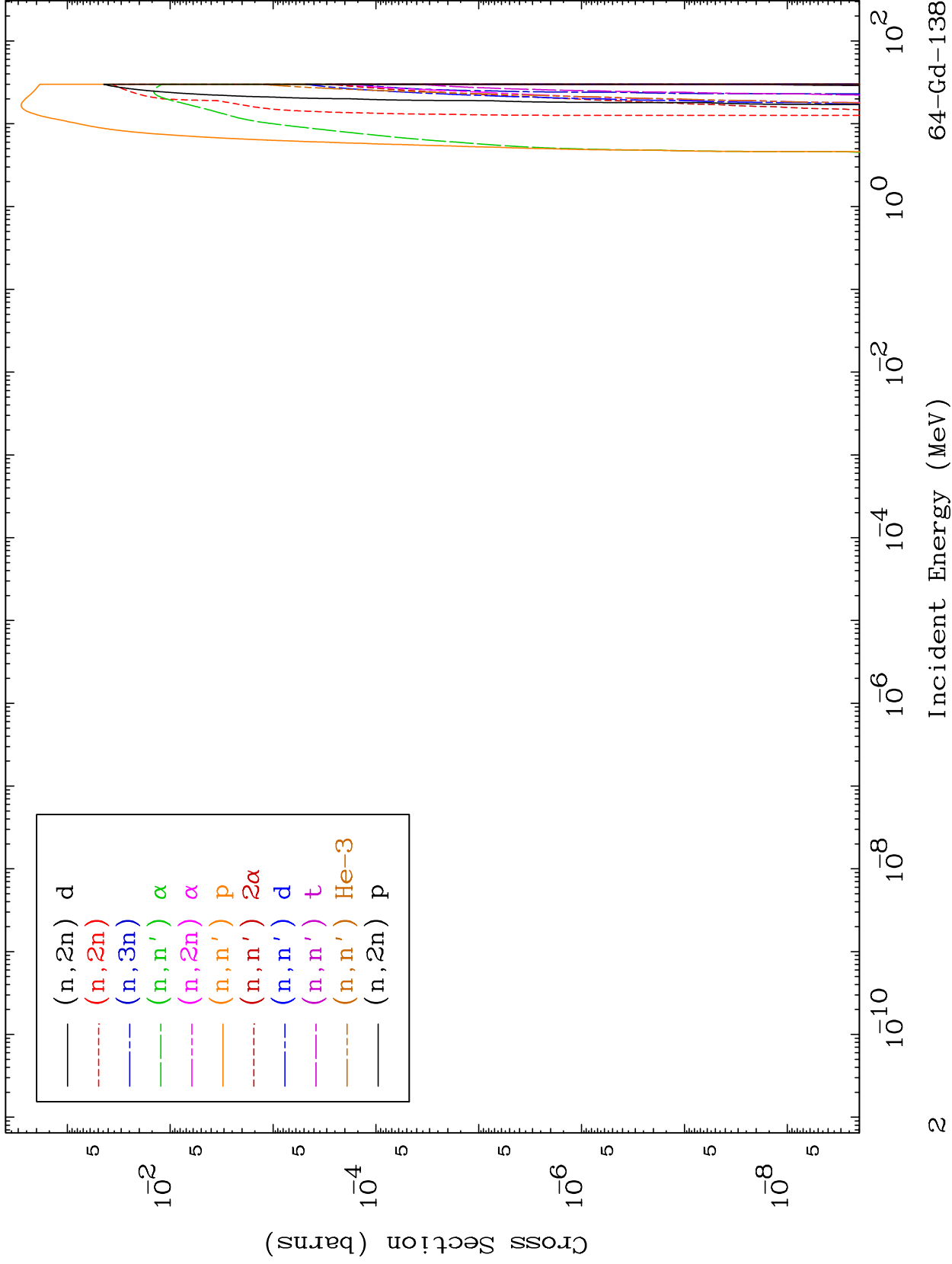
64-Gd-138



MAT 6383

Neutron Absorption
293 Kelvin Cross Sections

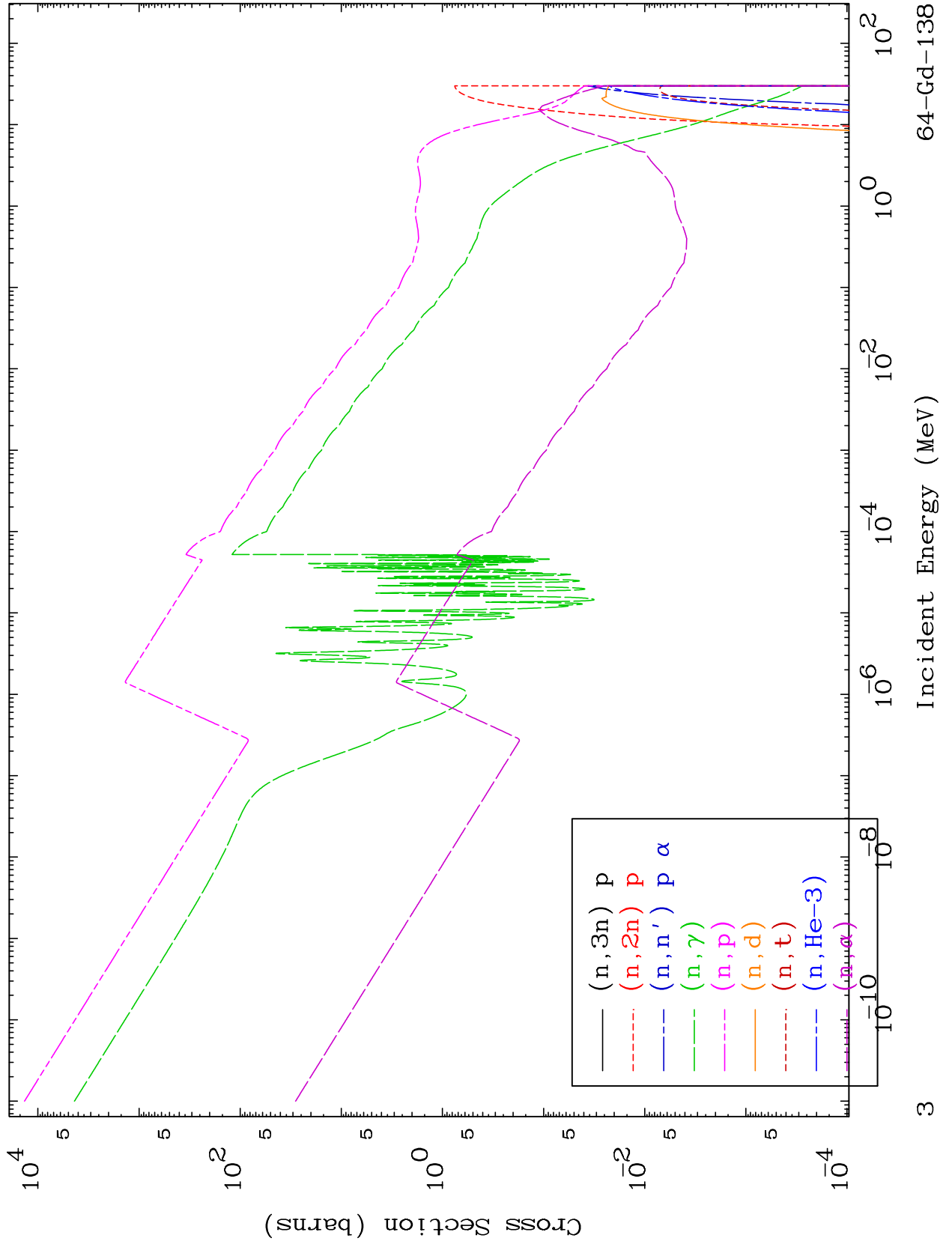
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MAT 6383

Neutron Absorption
293 Kelvin Cross Sections

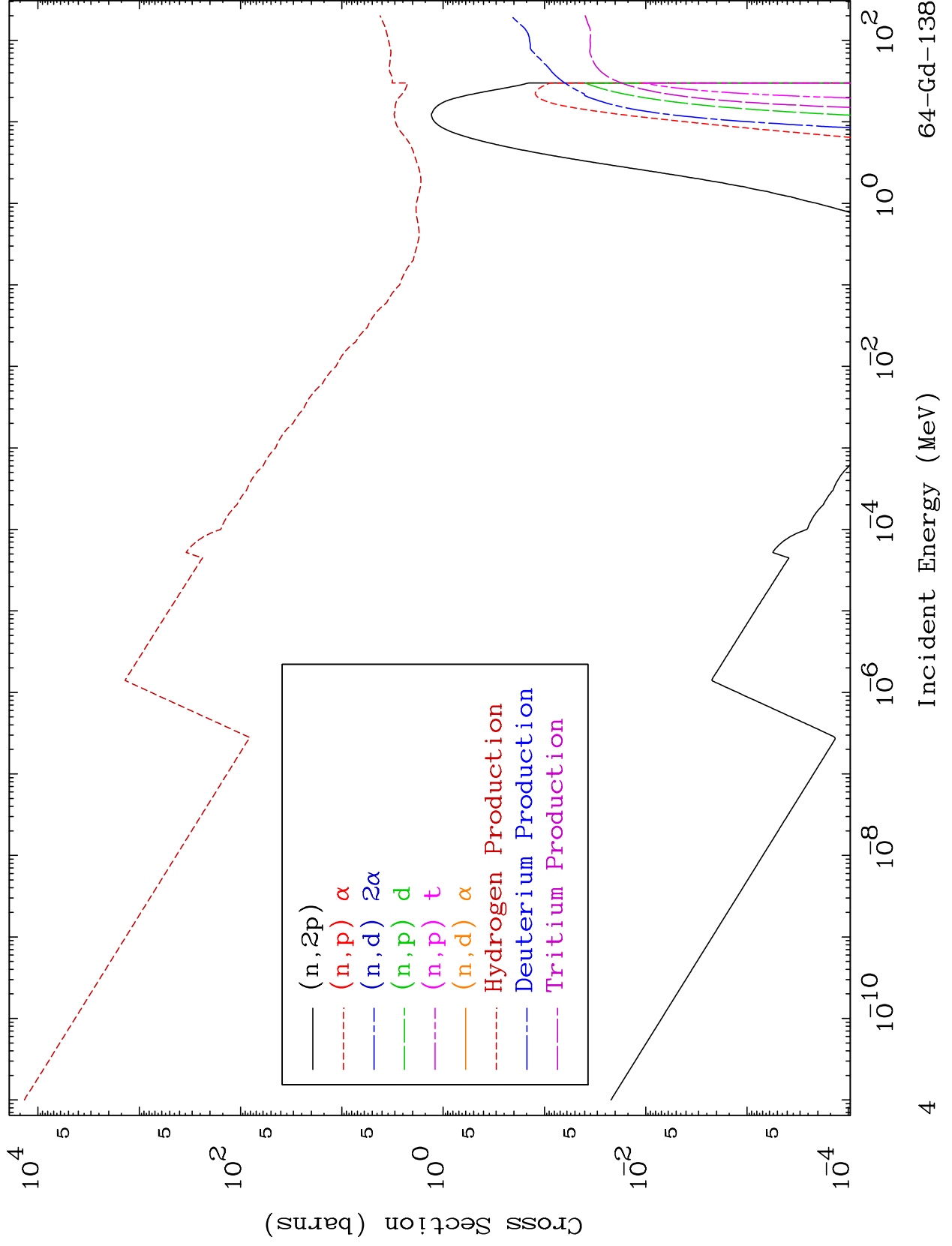
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MAT 6383

Neutron Absorption
293 Kelvin Cross Sections

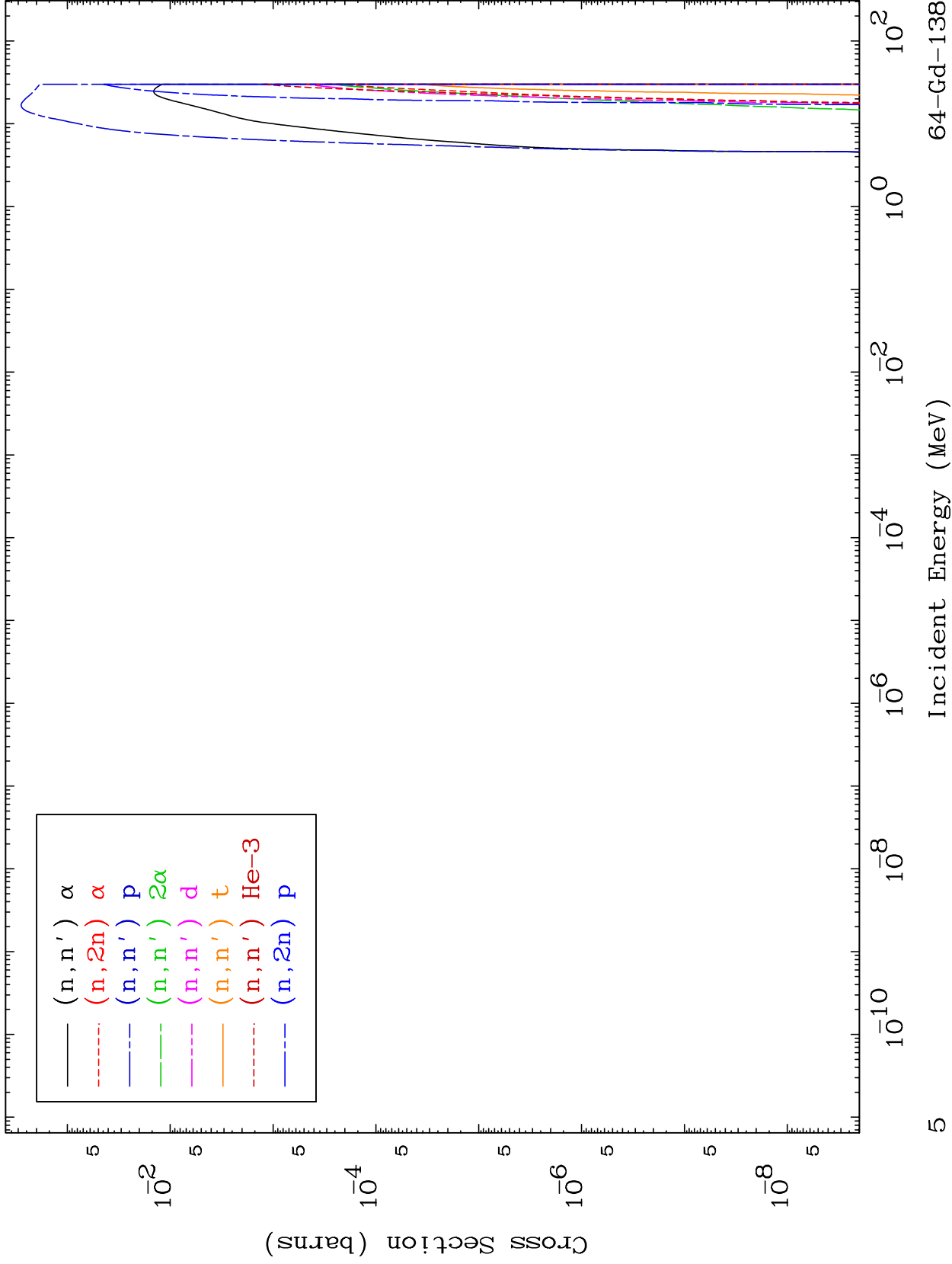
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MAT 6383

Charged Particle
293 Kelvin Cross Sections

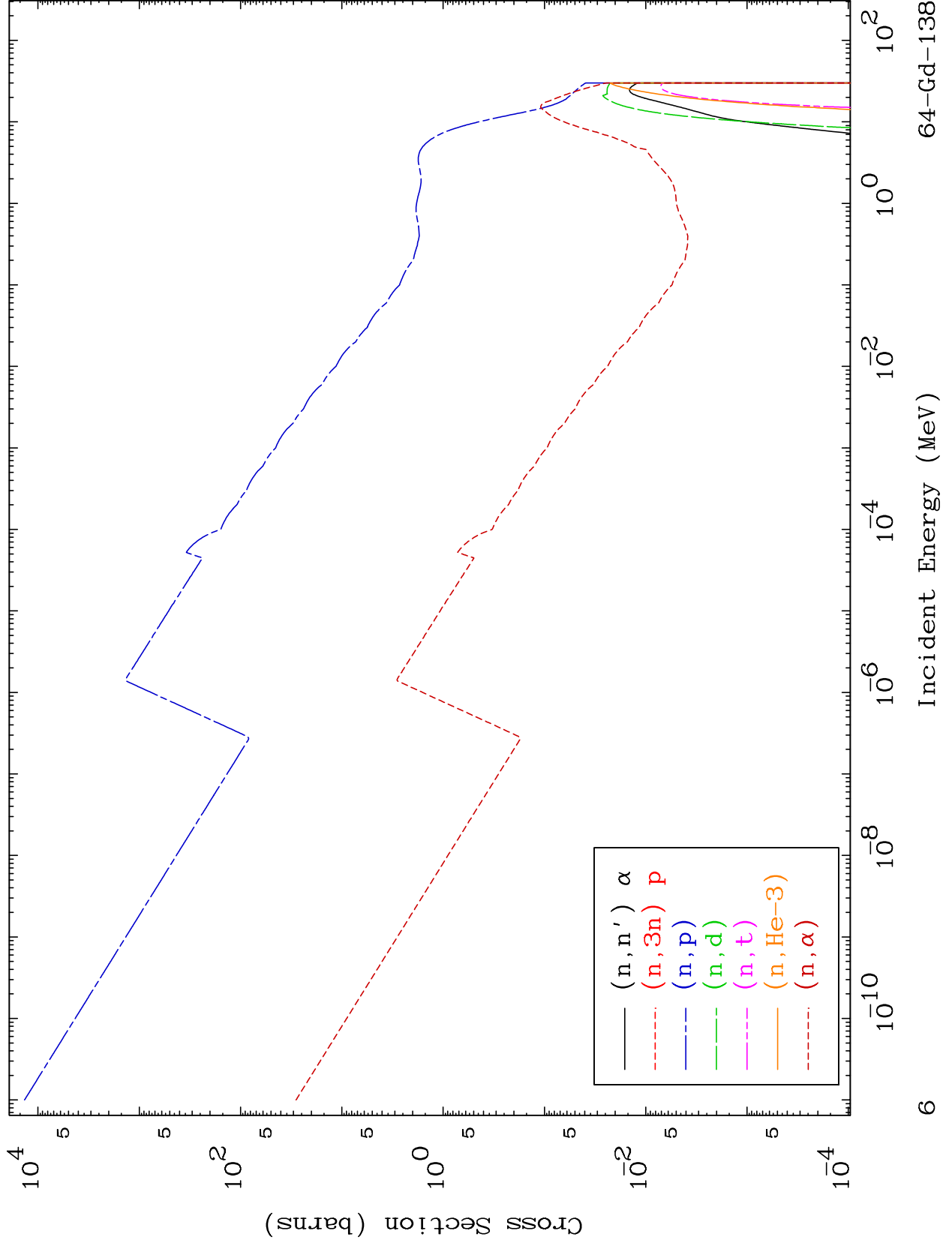
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Charged Particle
293 Kelvin Cross Sections

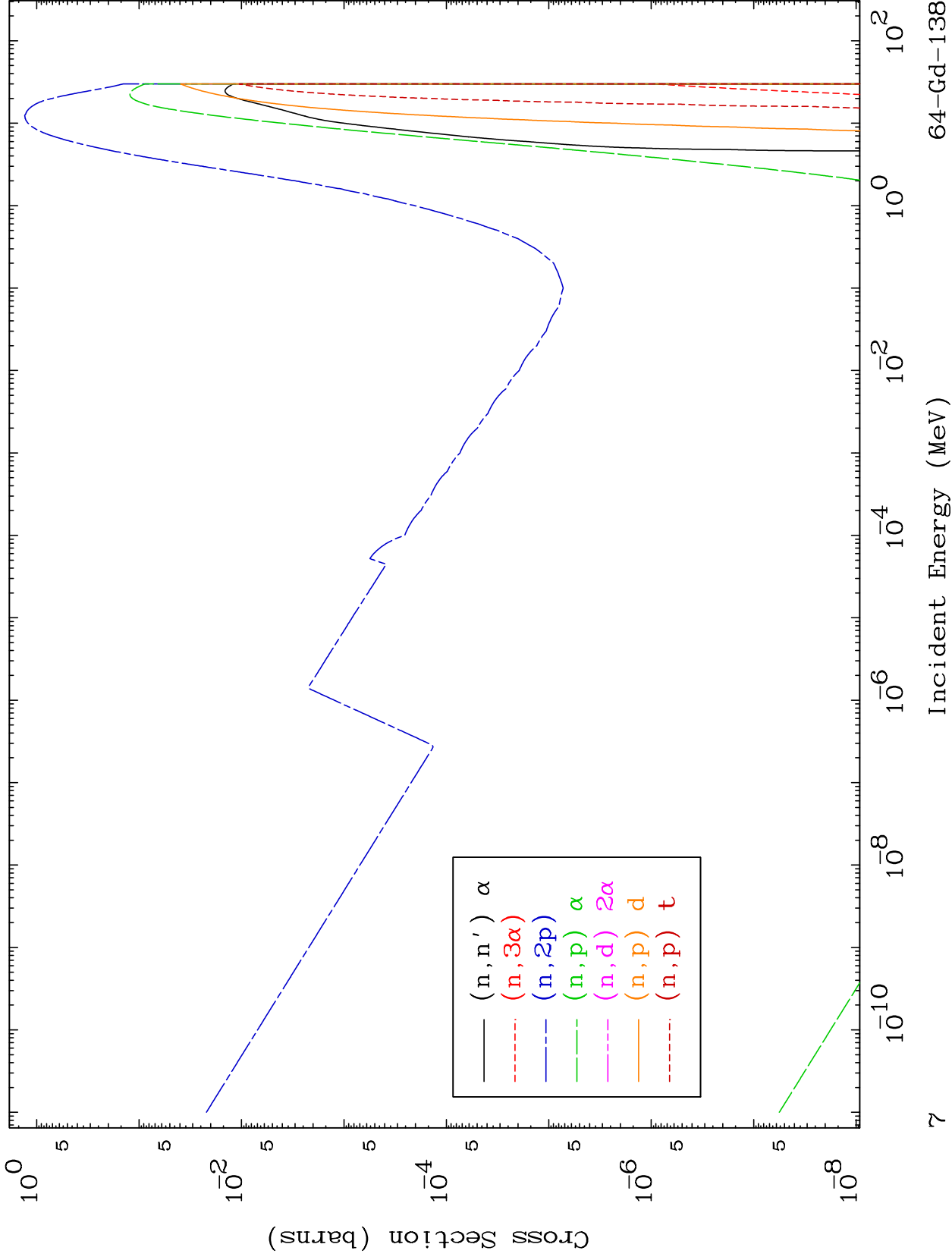
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Charged Particle
293 Kelvin Cross Sections

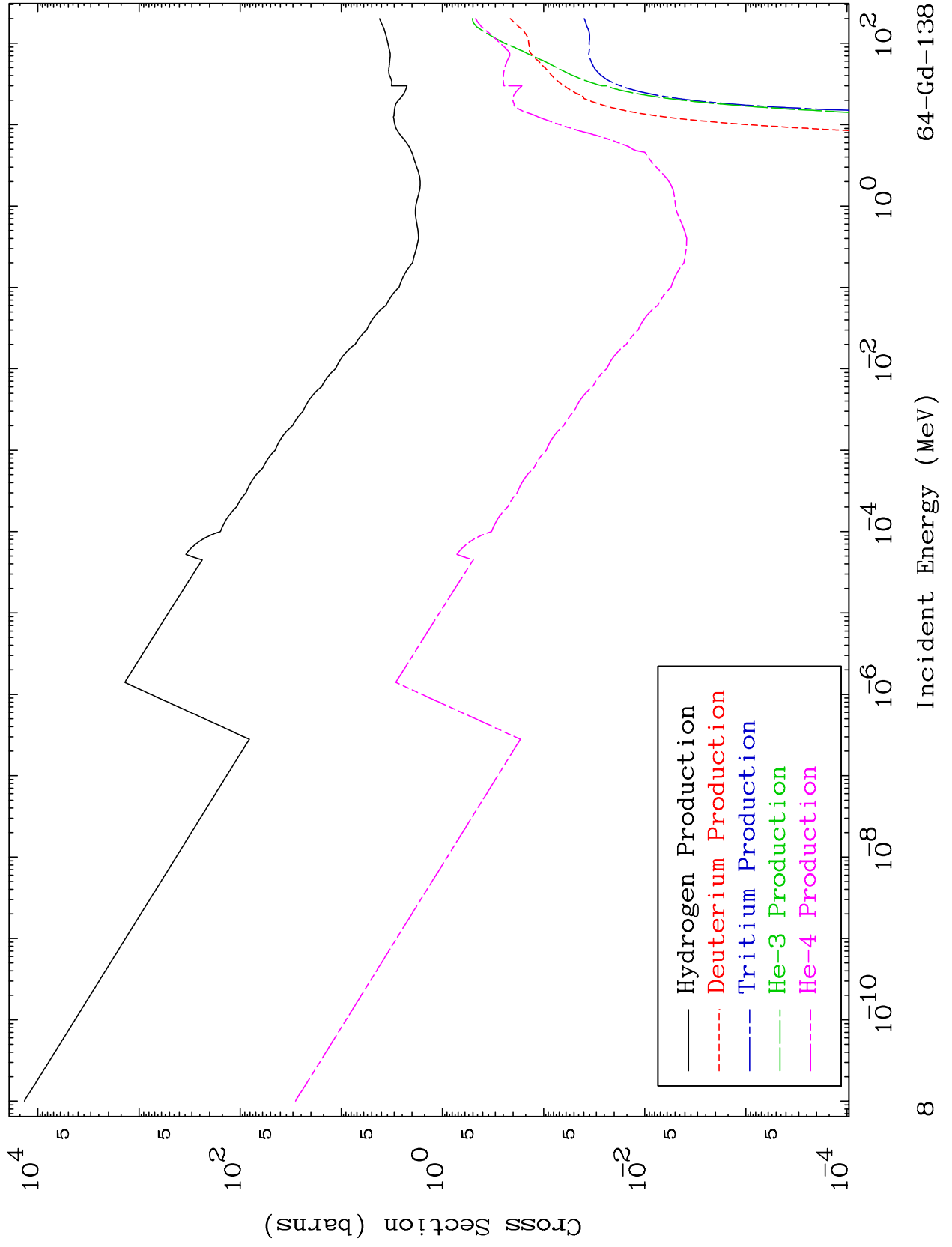
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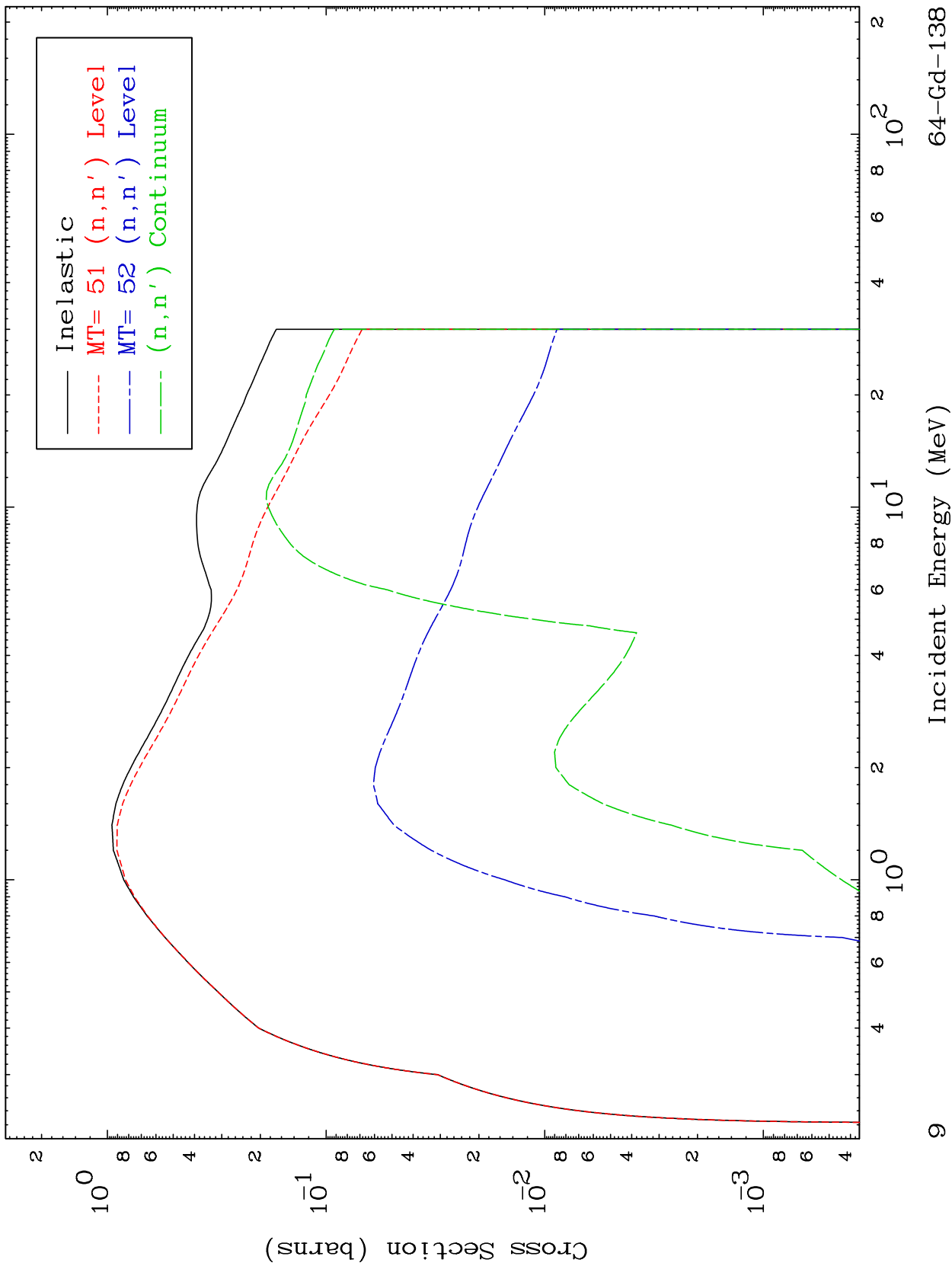


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Particle Production
293 Kelvin Cross Sections

64-Gd-138

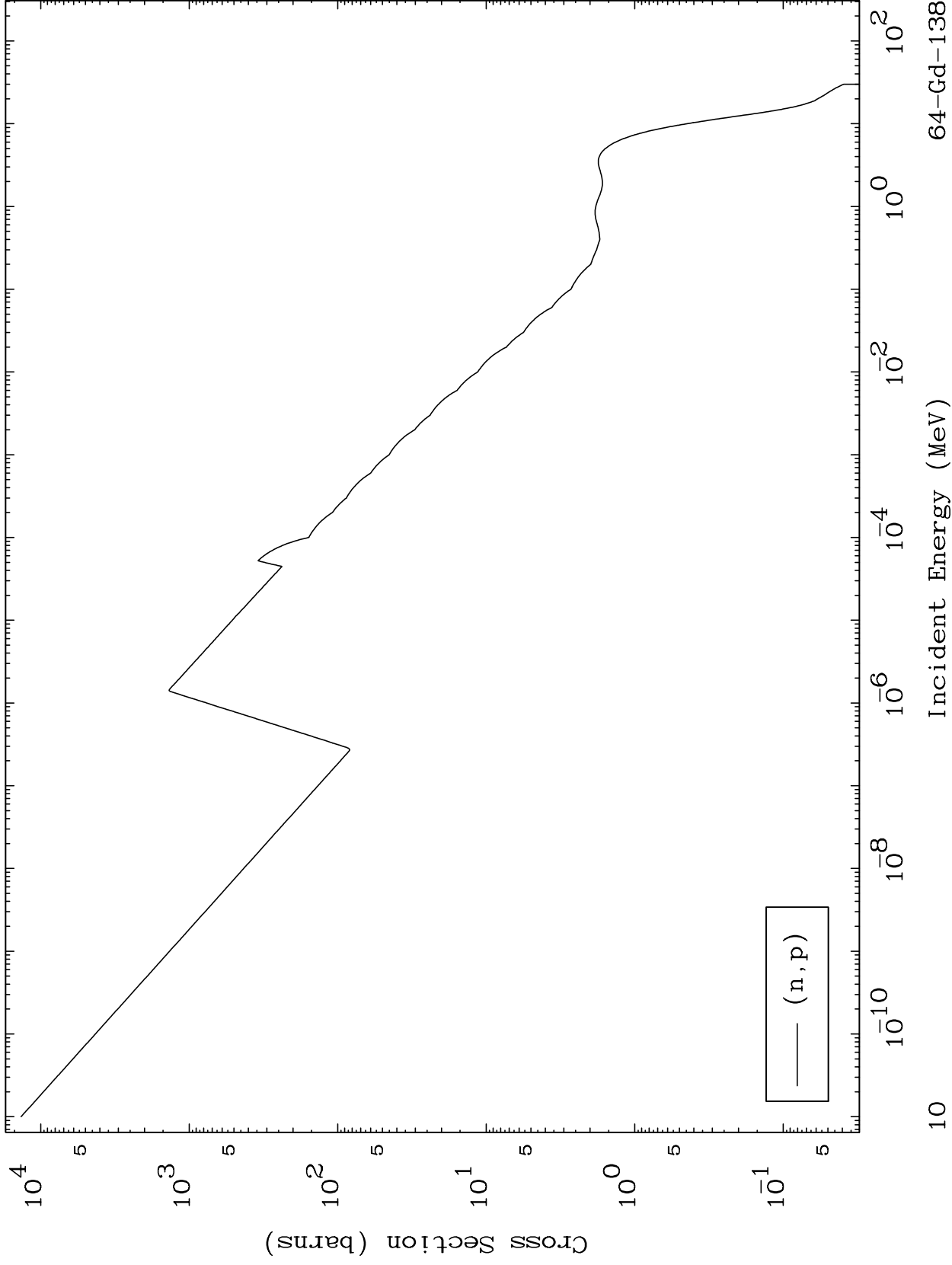




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(n,p) Levels
293 Kelvin Cross Sections

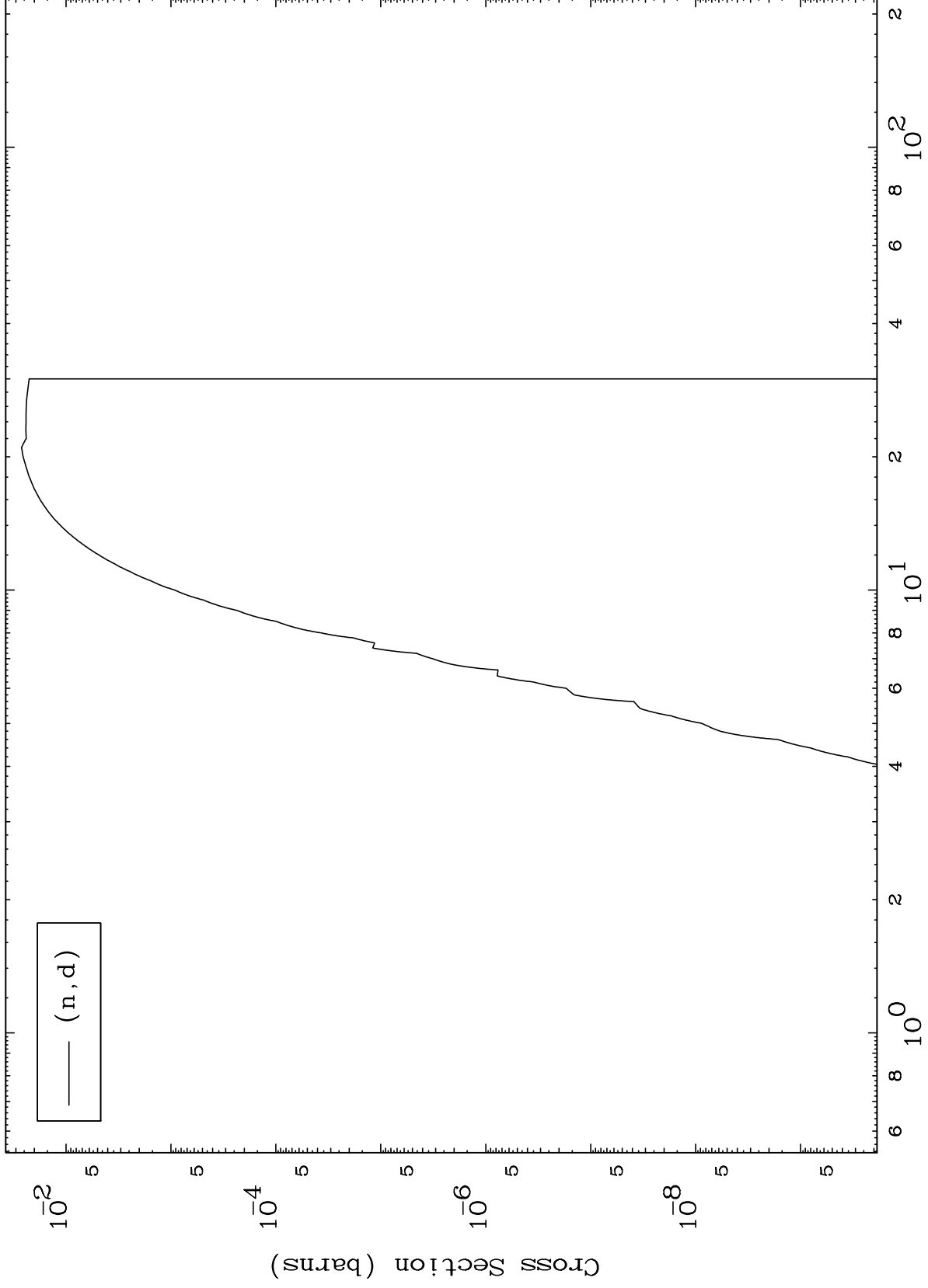
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(n,d) Levels
293 Kelvin Cross Sections

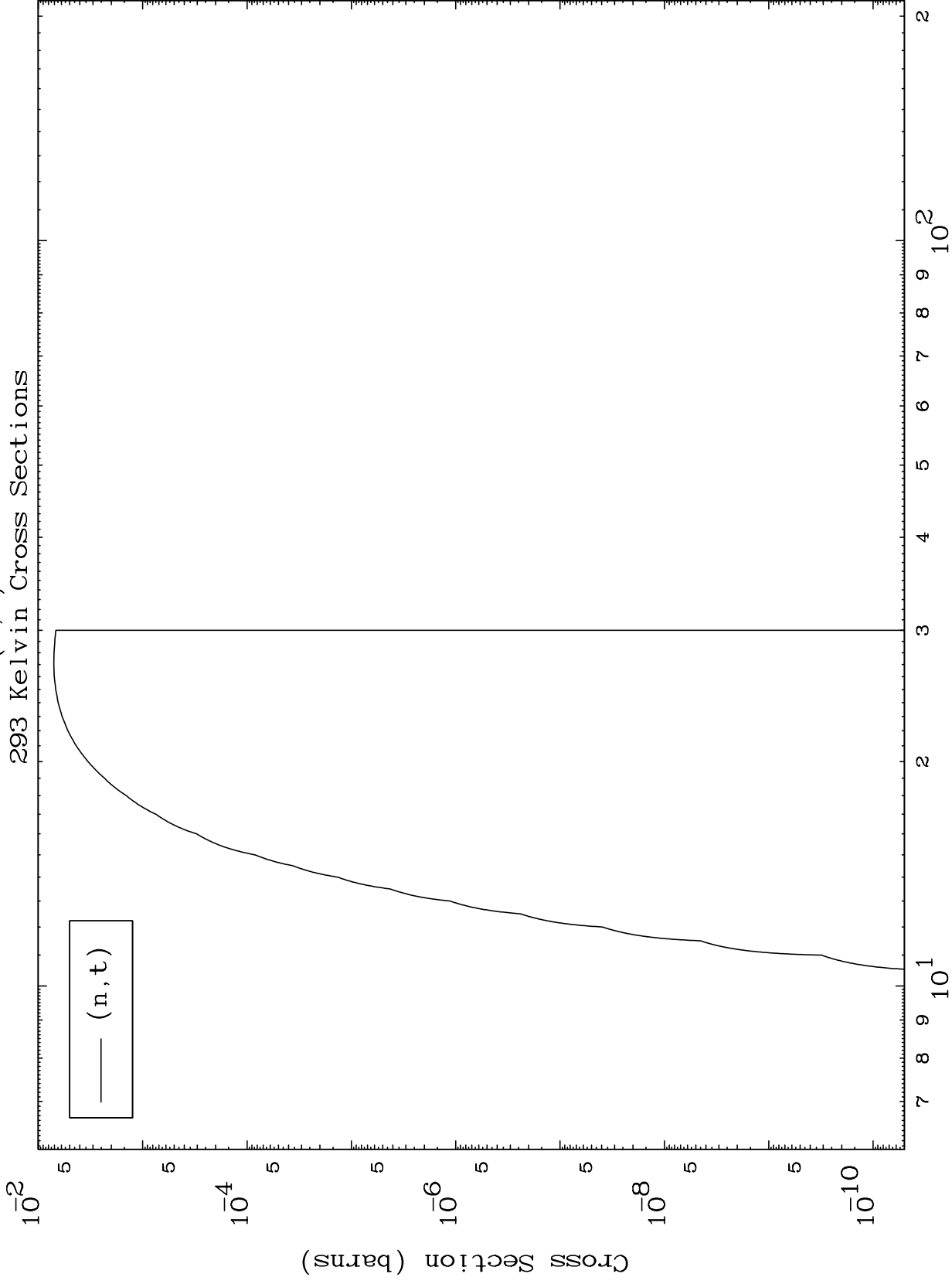
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MAT 6383

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-138



12

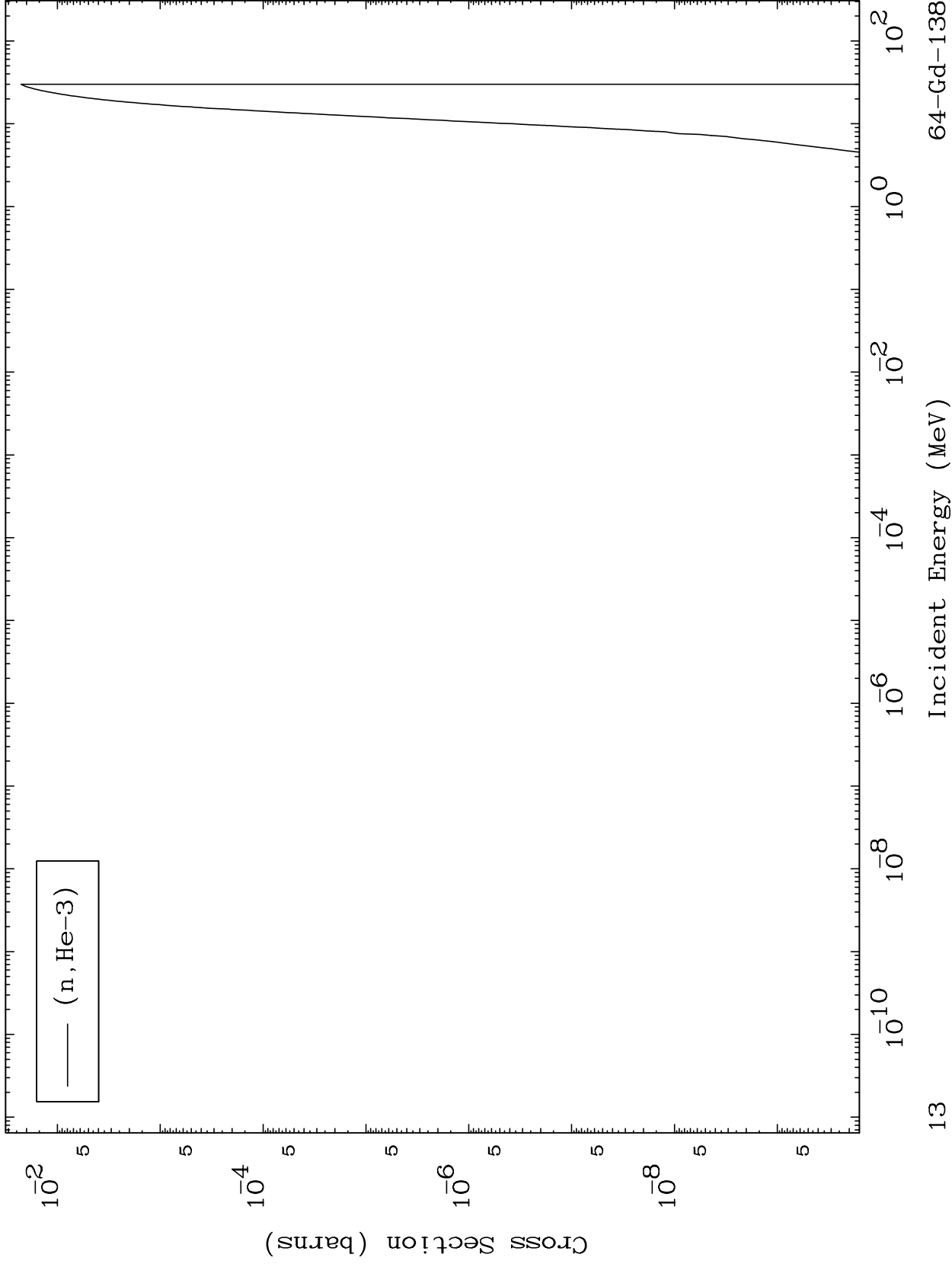
Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,He3) Levels
293 Kelvin Cross Sections

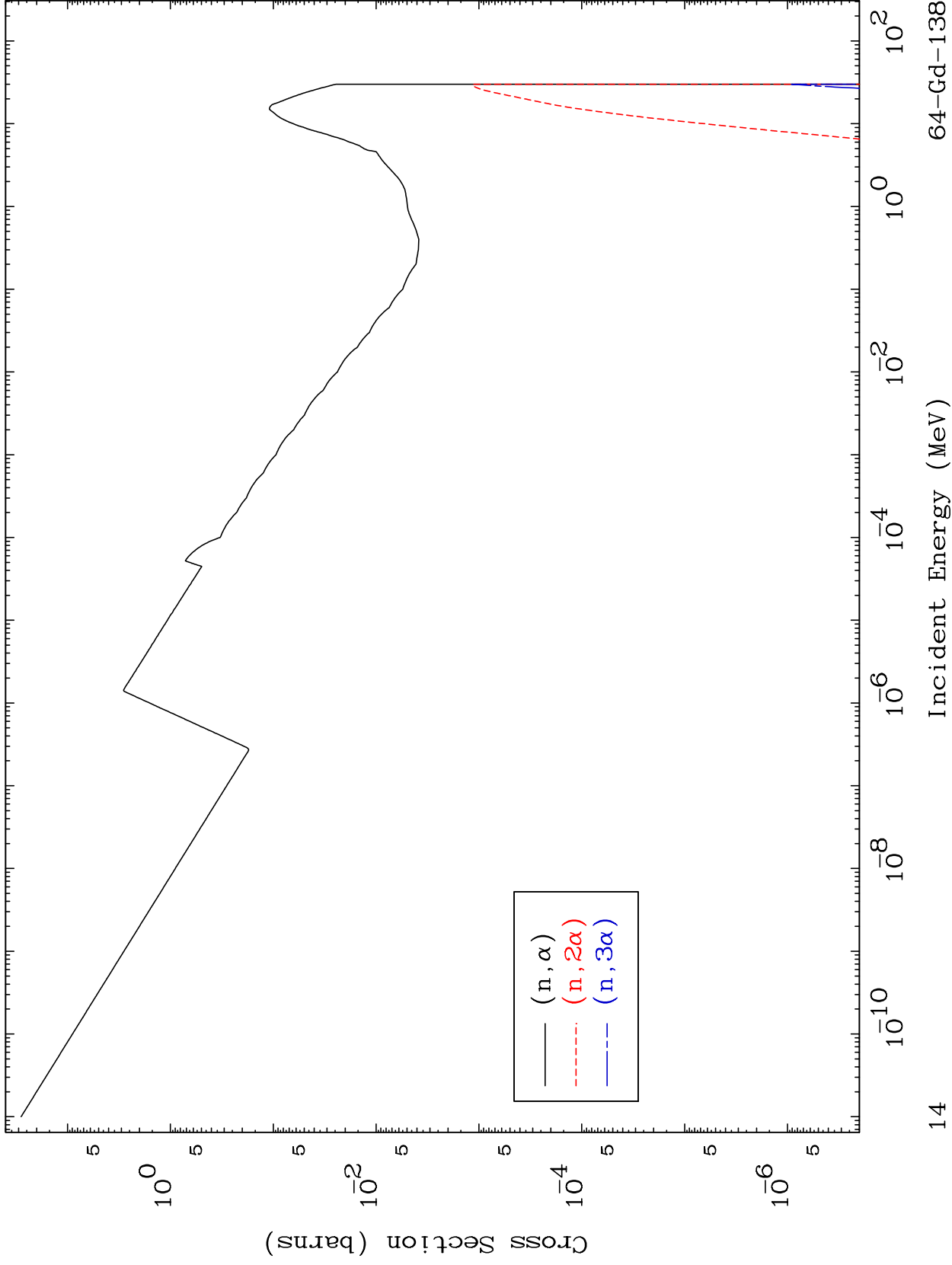
64-Gd-138



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(n, α) Levels
293 Kelvin Cross Sections

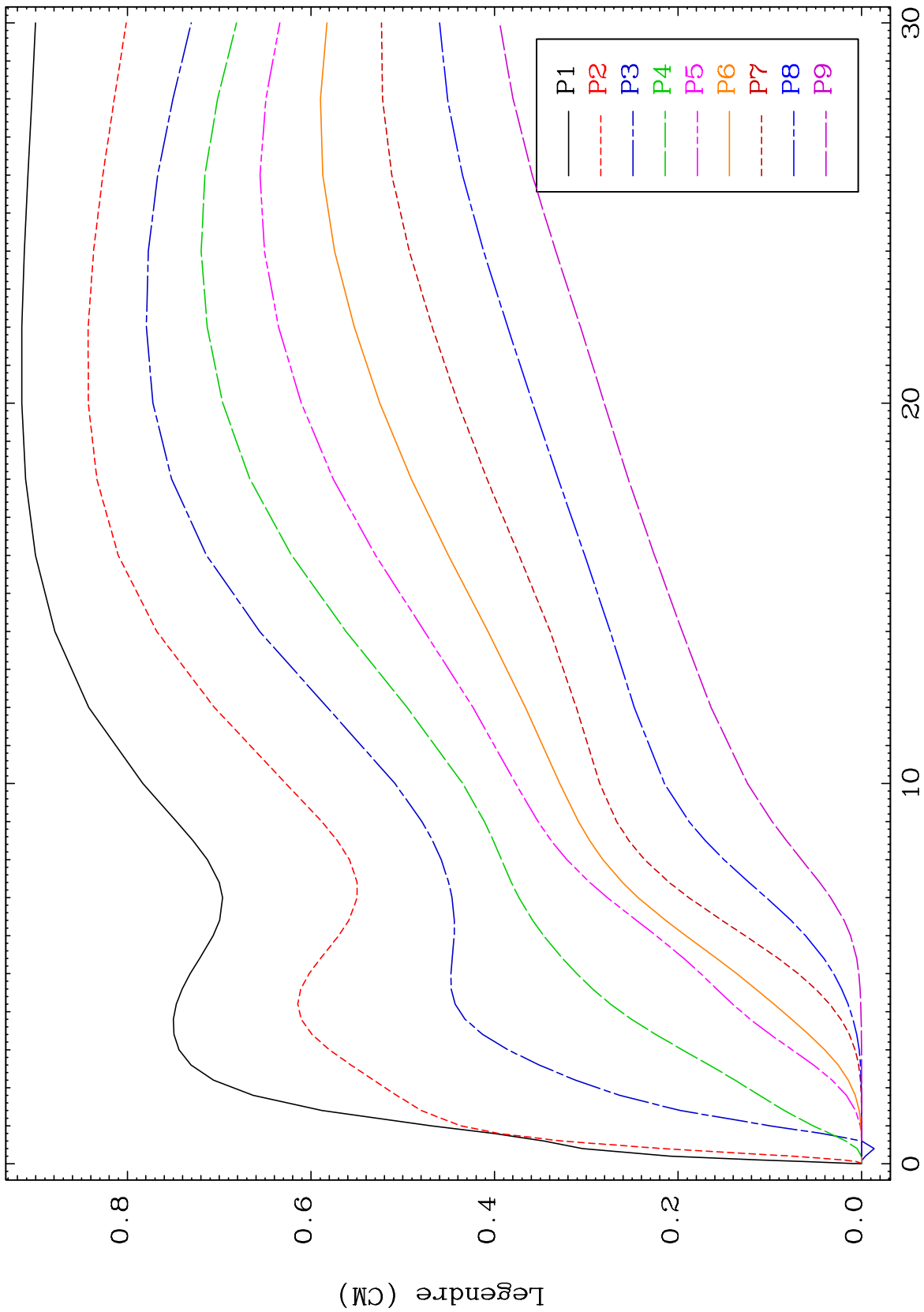
64-Gd-138



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Elastic Legendre Coefficients

64-Gd-138



15

Incident Energy (MeV)

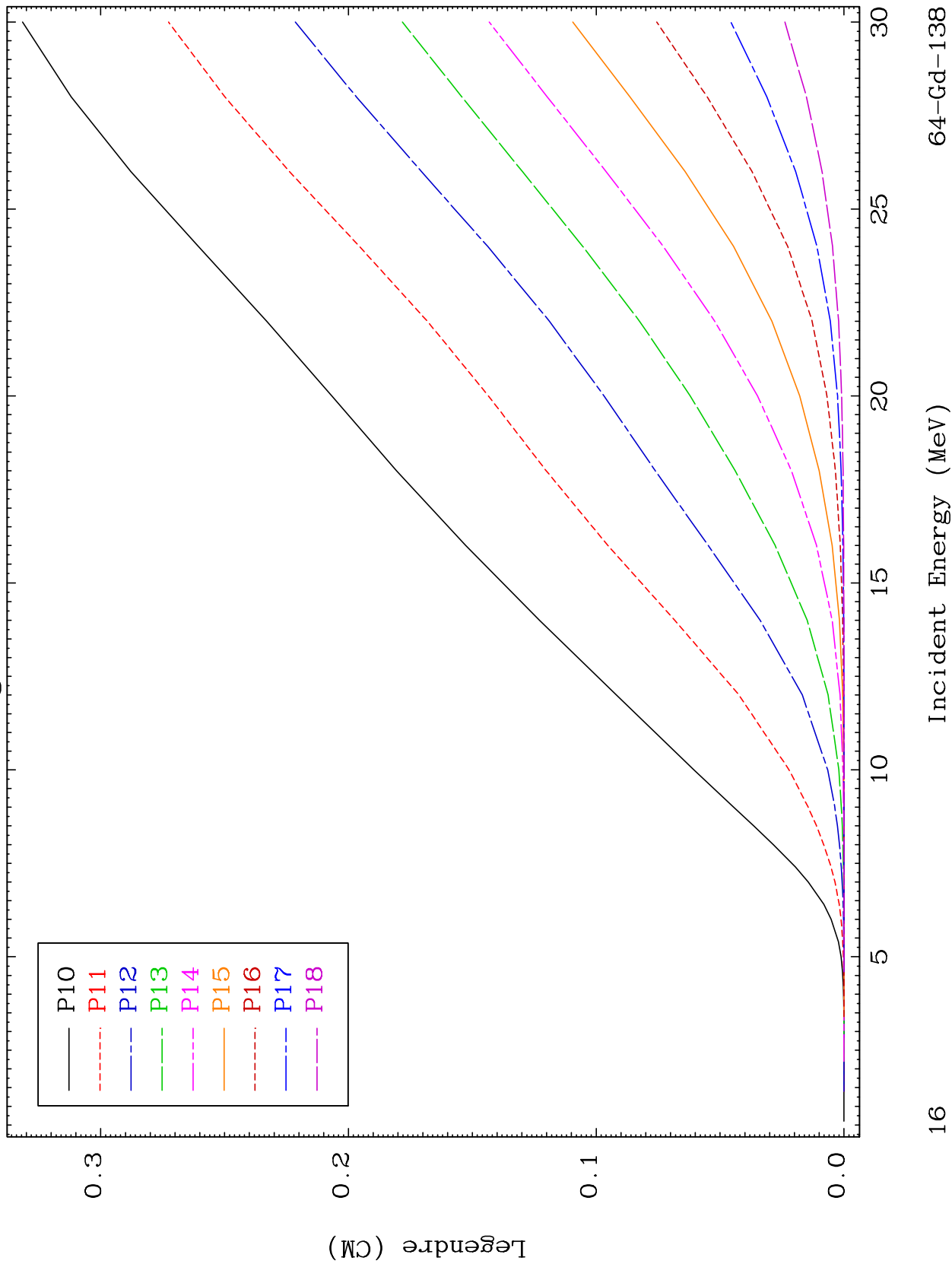
64-Gd-138

30

MAT 6383

Elastic Legendre Coefficients

64-Gd-138



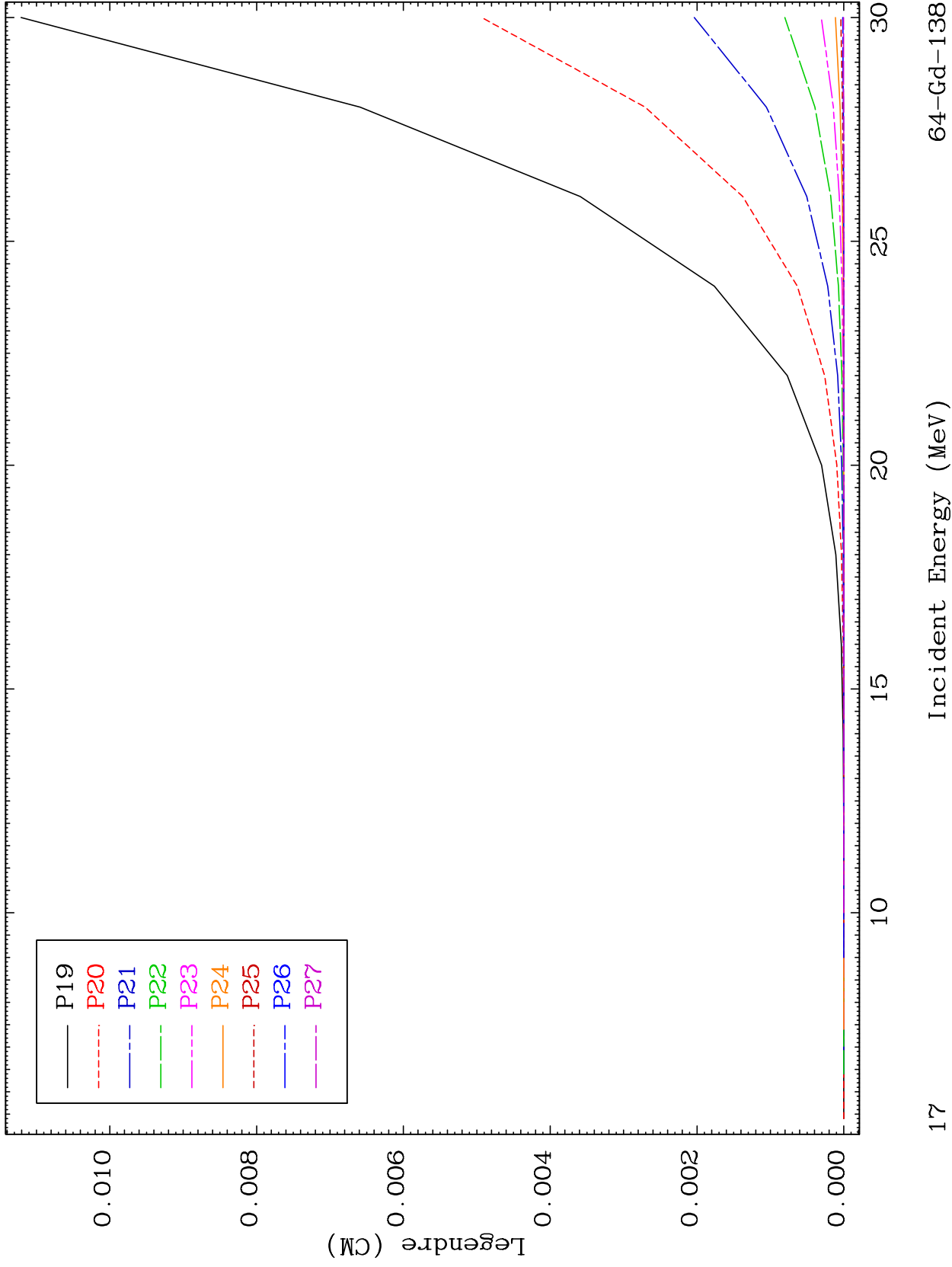
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64-Gd-138

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Elastic Legendre Coefficients

64-Gd-138



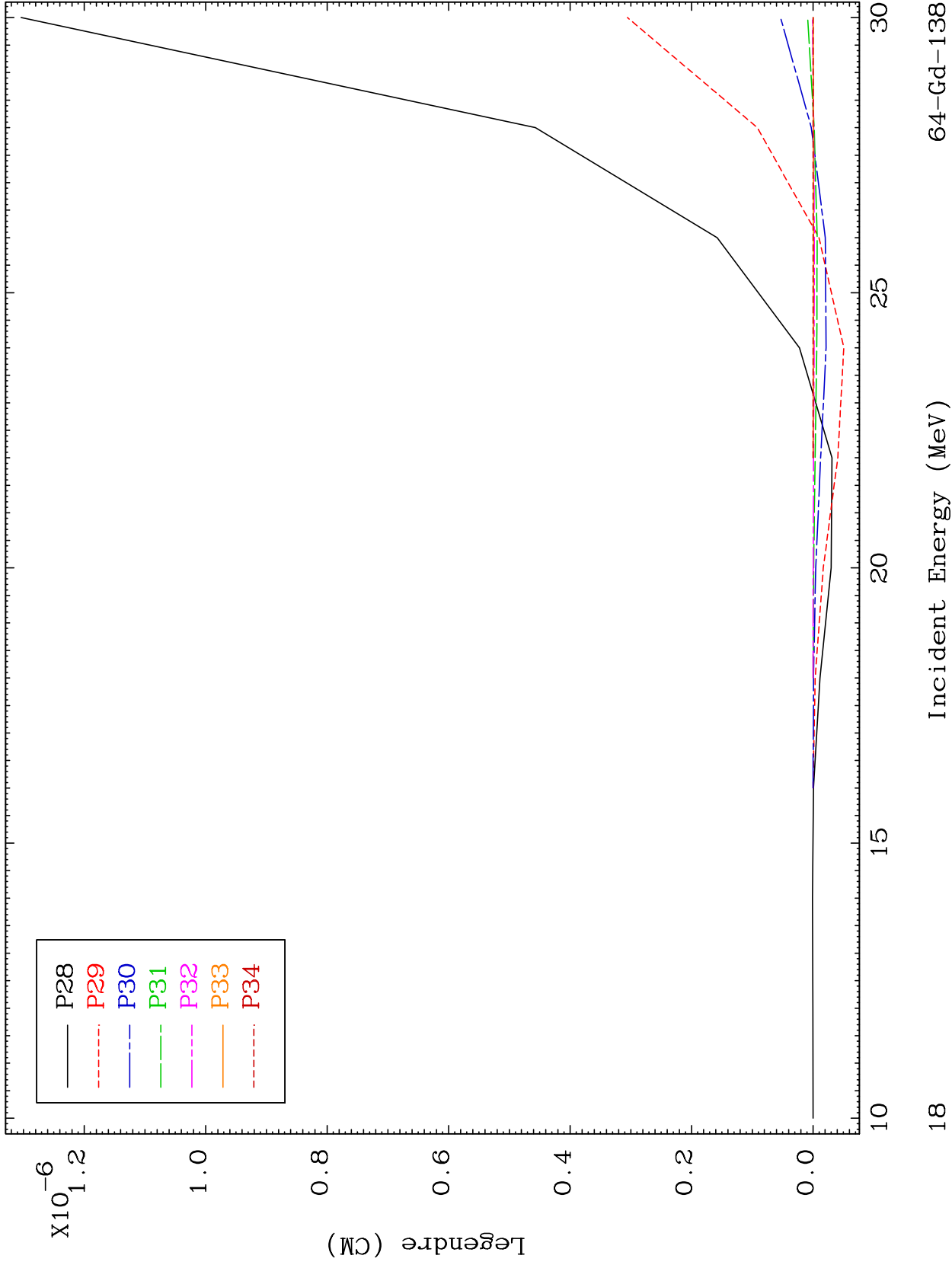
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64-Gd-138

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Elastic Legendre Coefficients

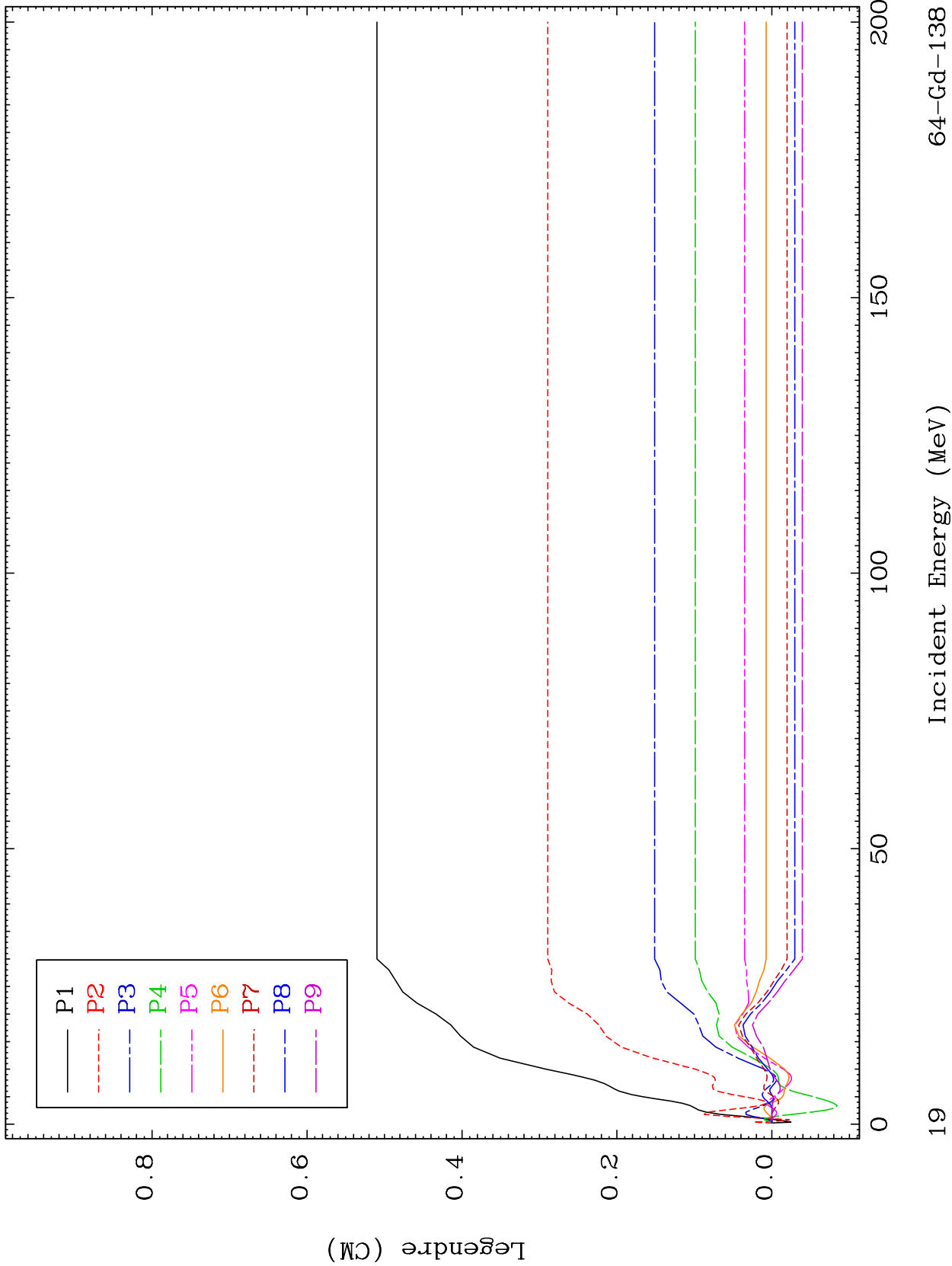
64-Gd-138



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

64-Gd-138

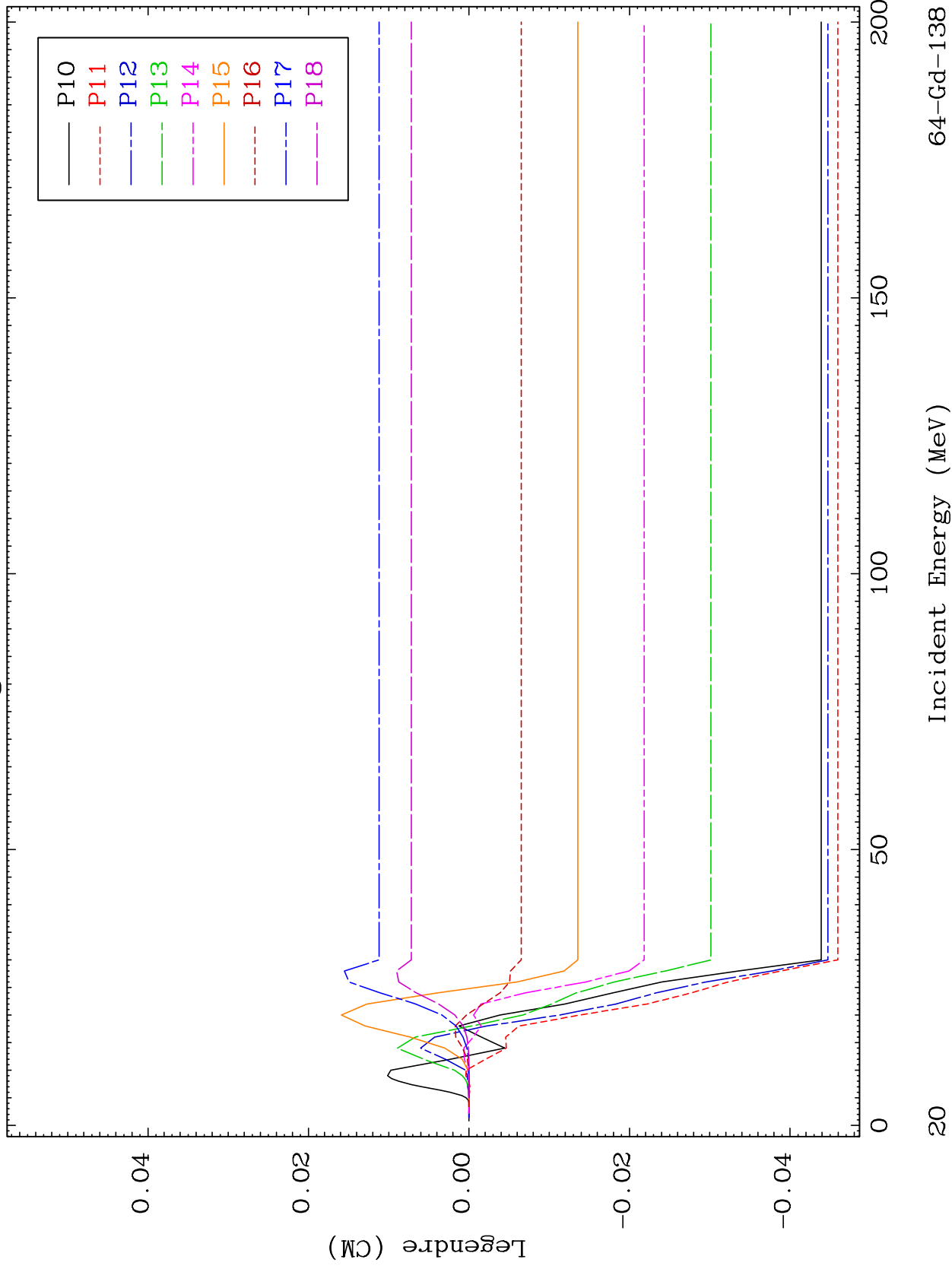


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MAT 6383

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

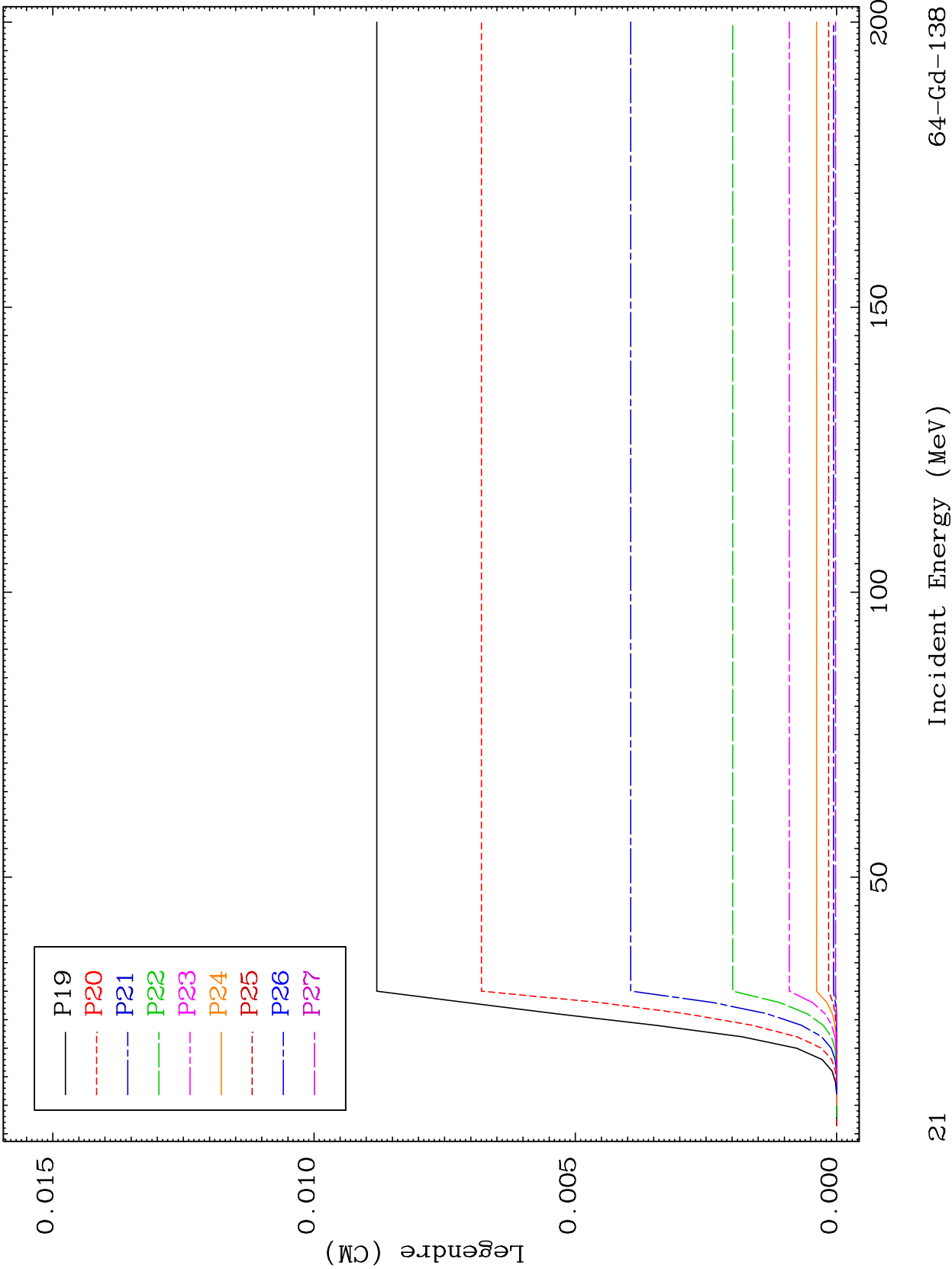
64-Gd-138



64-Gd-138

Incident Energy (MeV)

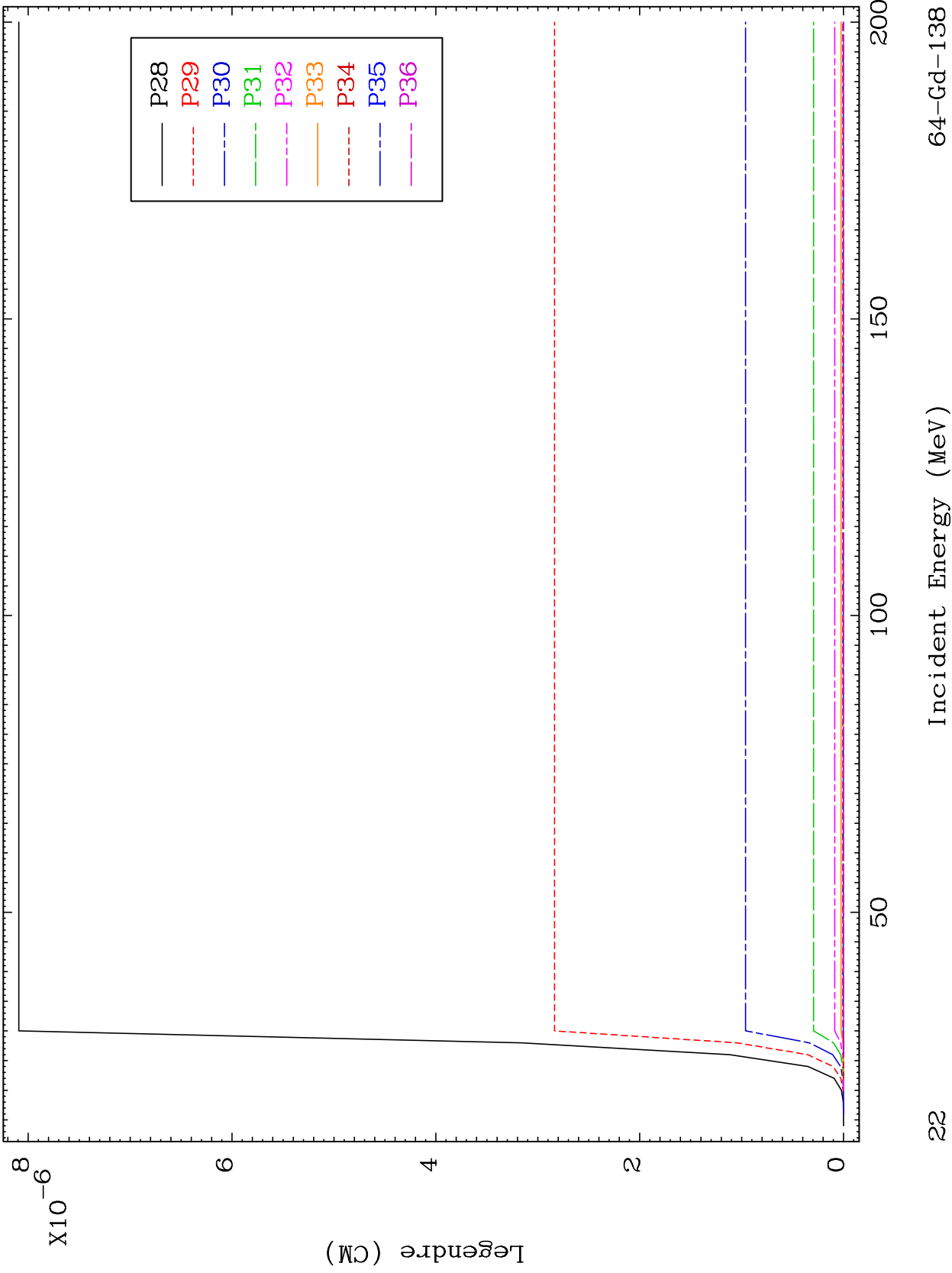
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MAT 6383

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

64-Gd-138



22

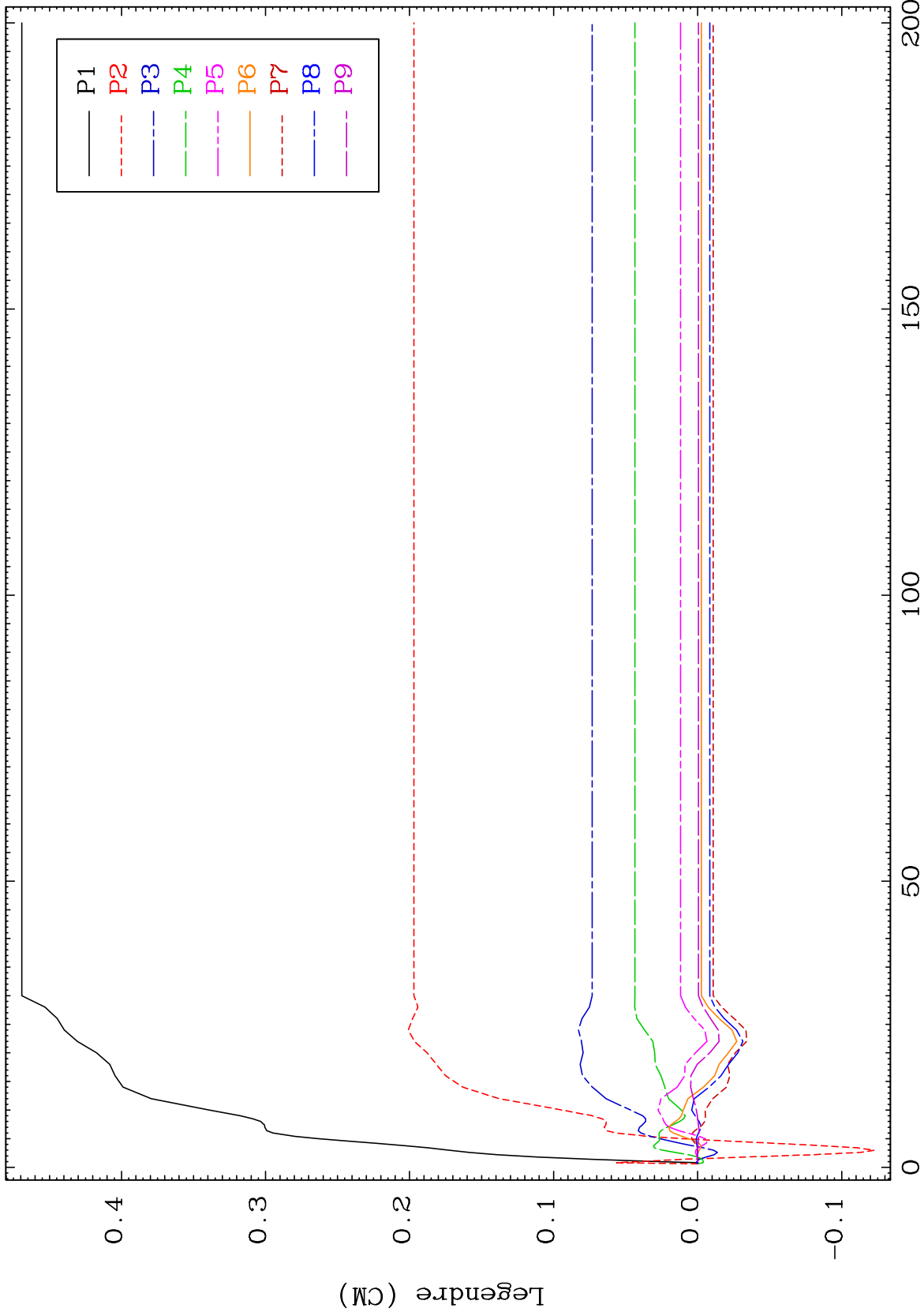
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



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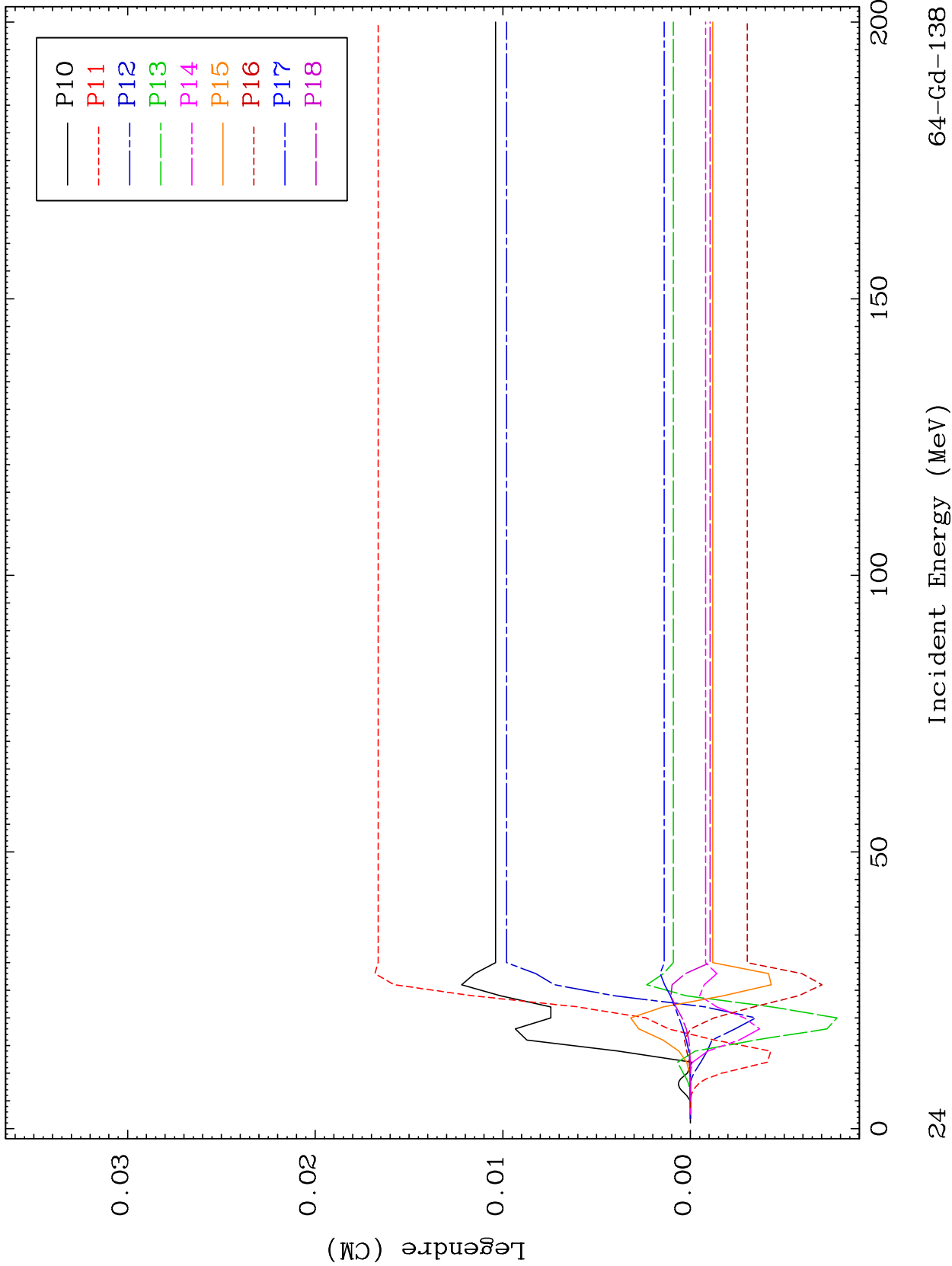
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



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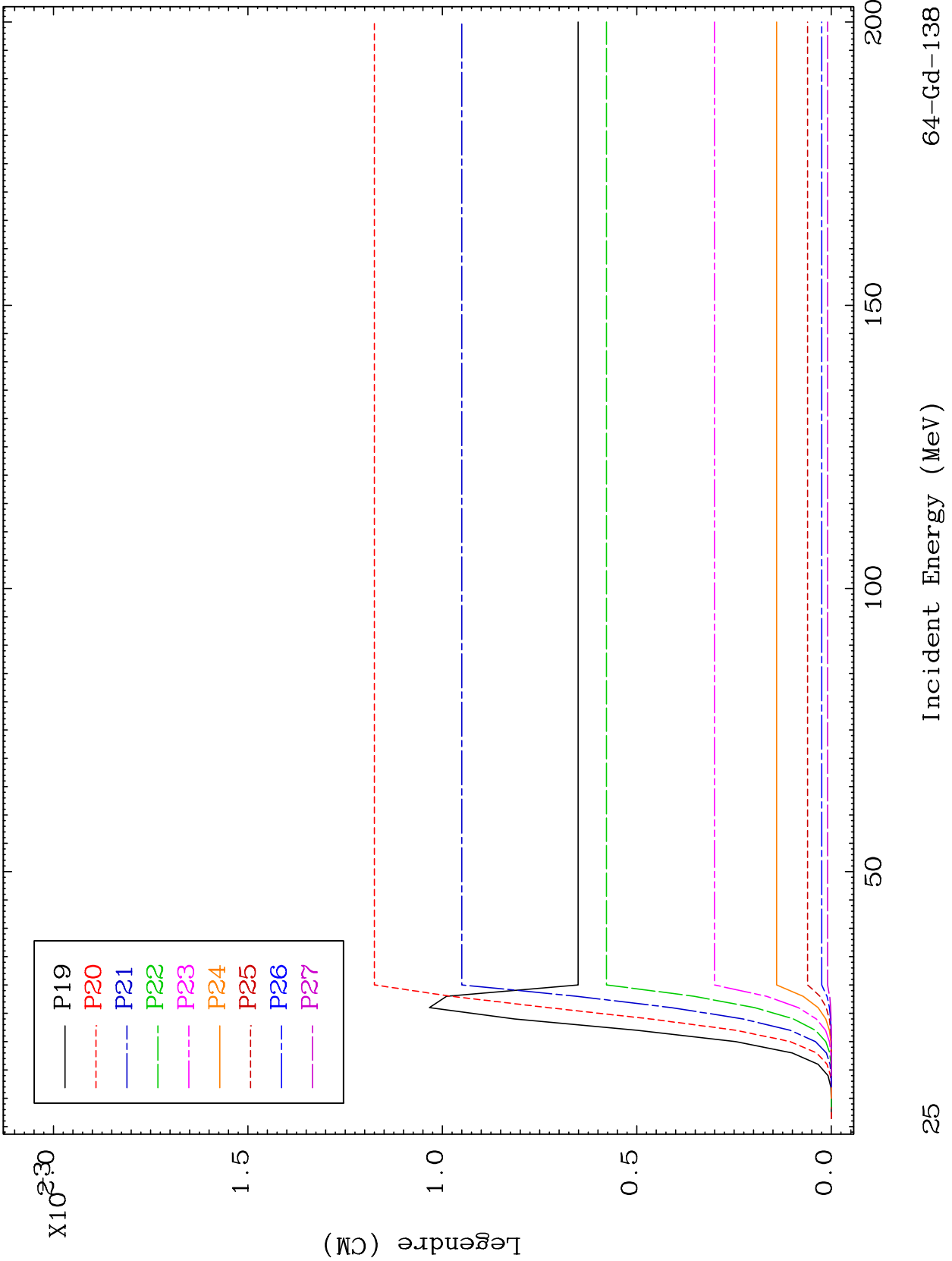
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



25

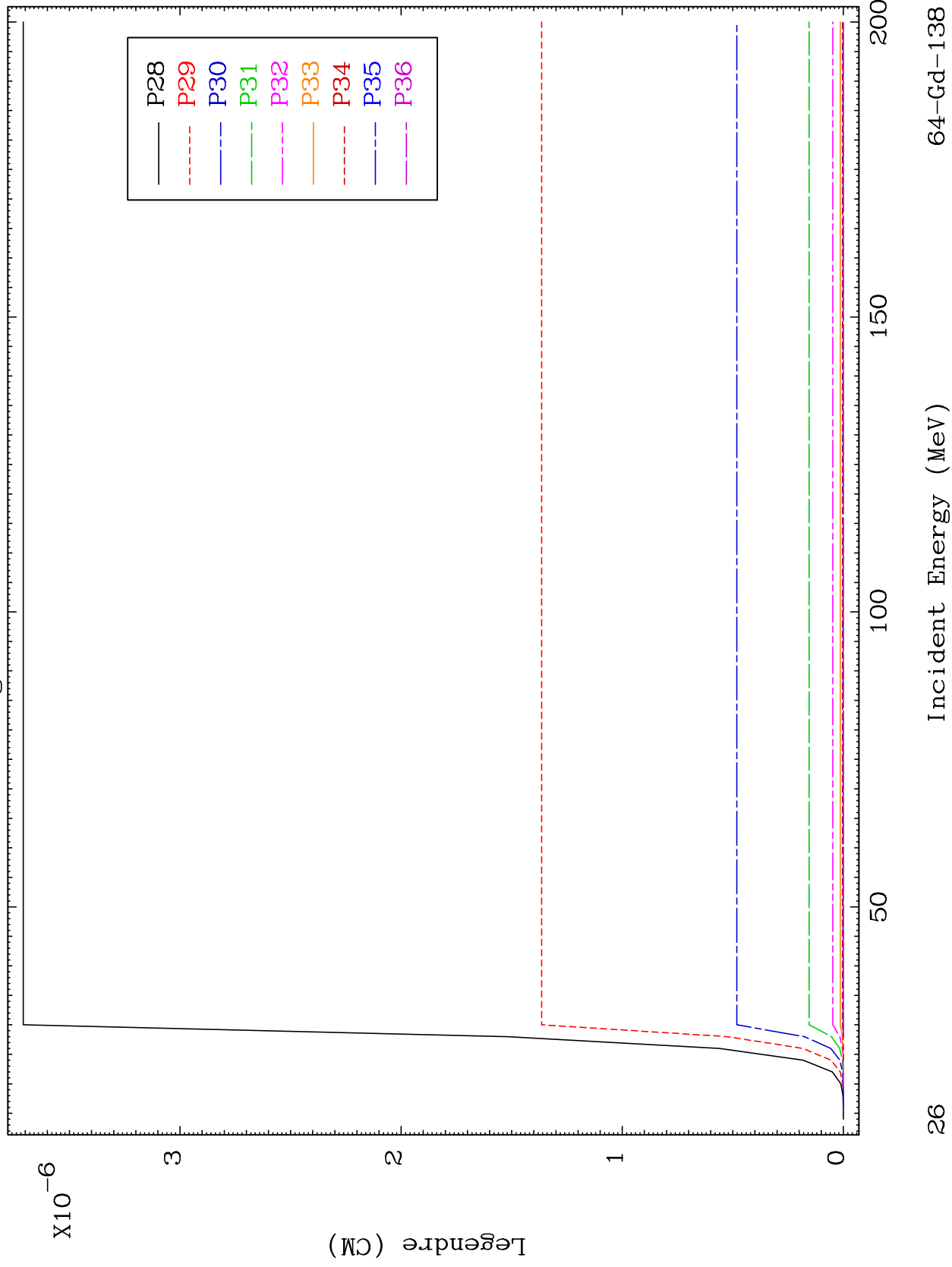
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



26

Incident Energy (MeV)

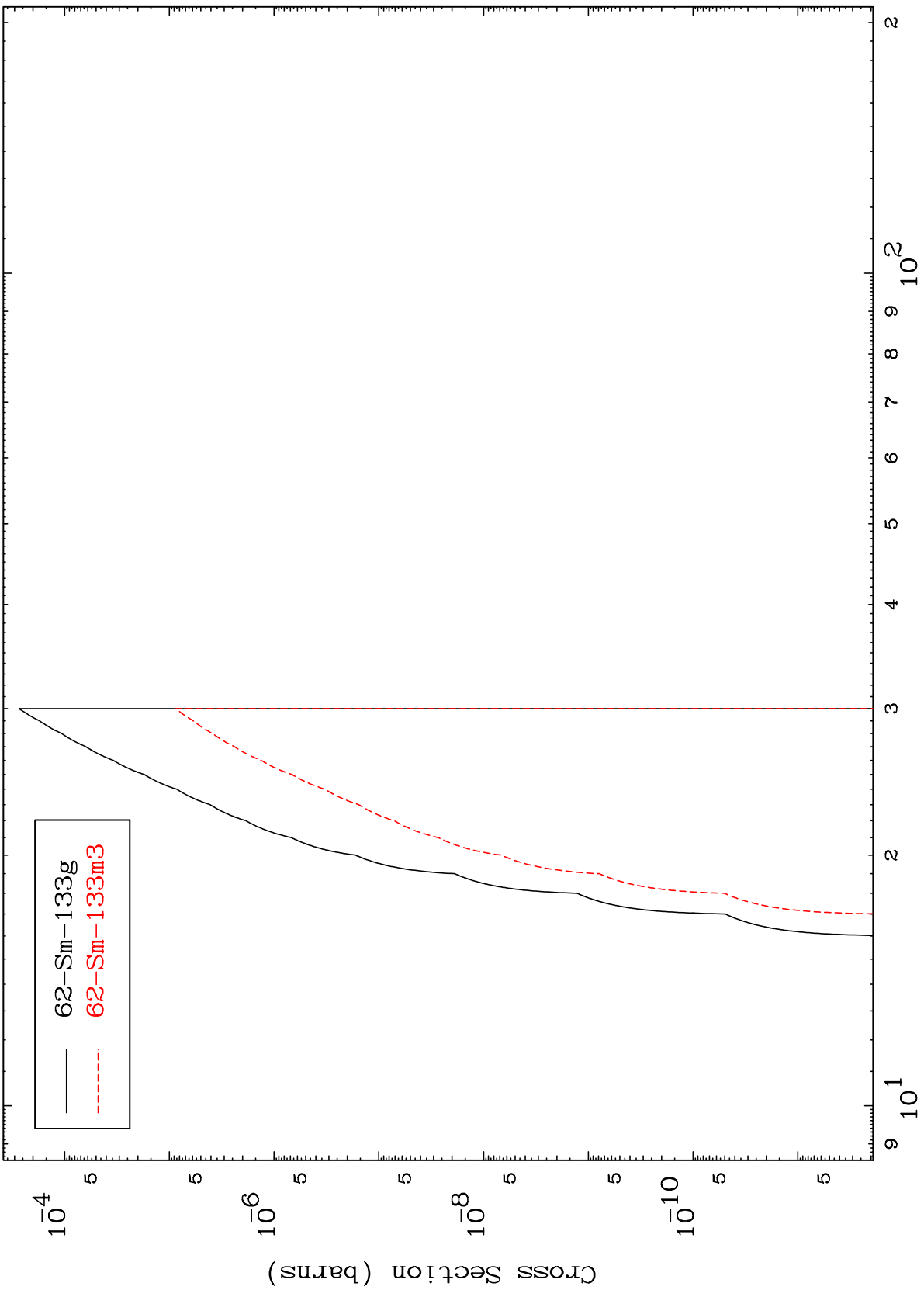
64-Gd-138

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(n,2n) α

64-Gd-138

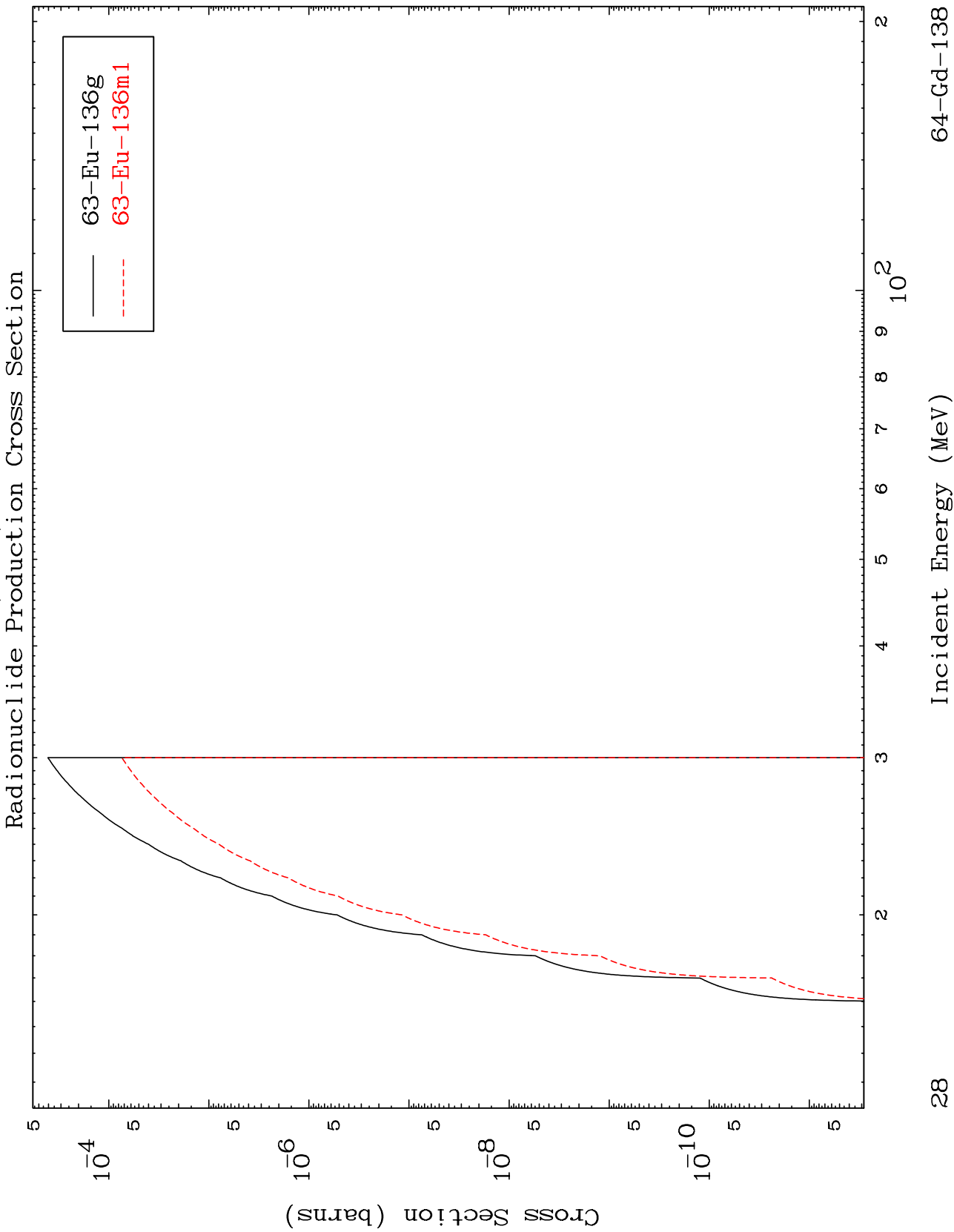
Radionuclide Production Cross Section



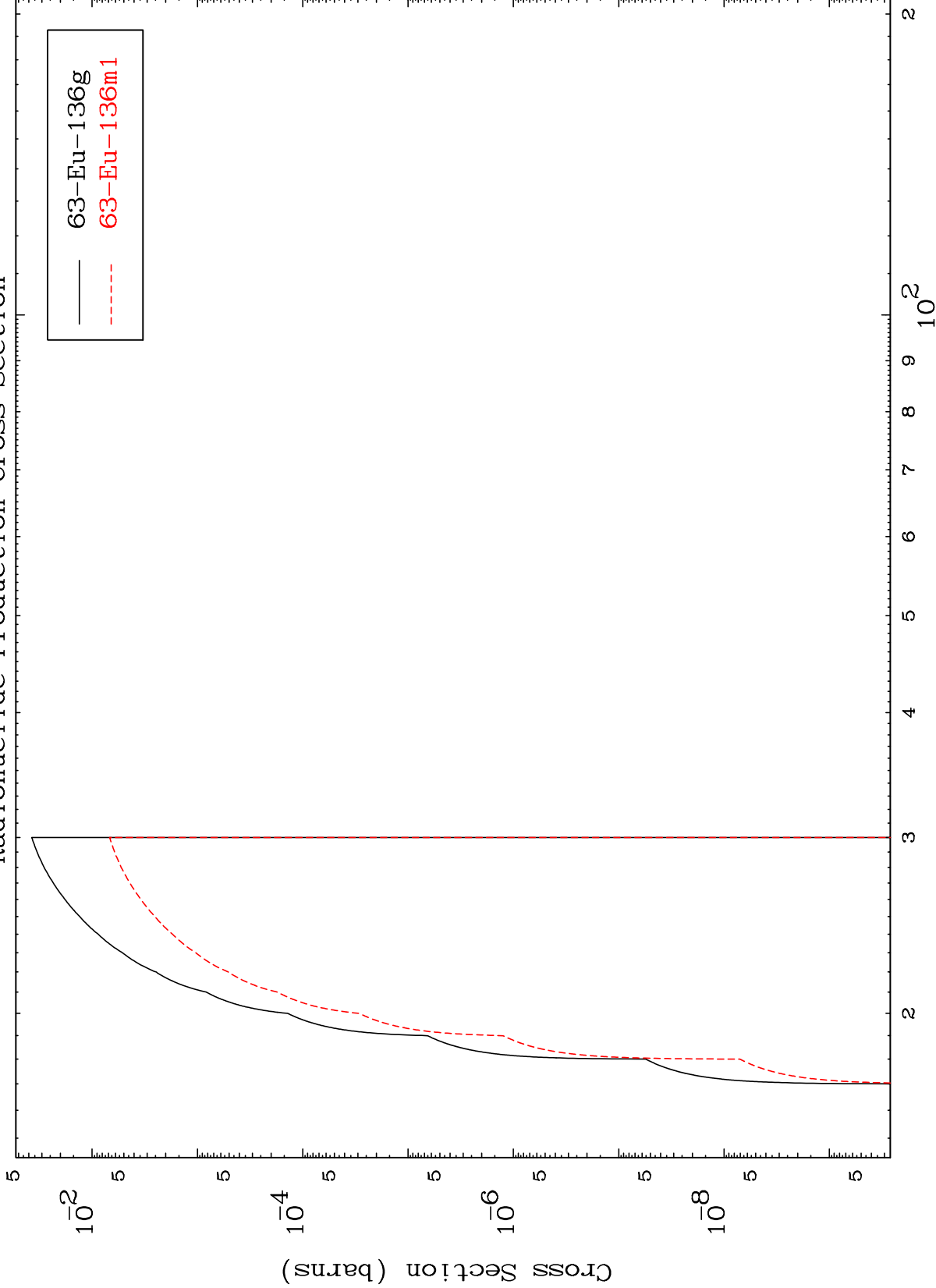
27

Incident Energy (MeV)

64-Gd-138



Radionuclide Production Cross Section



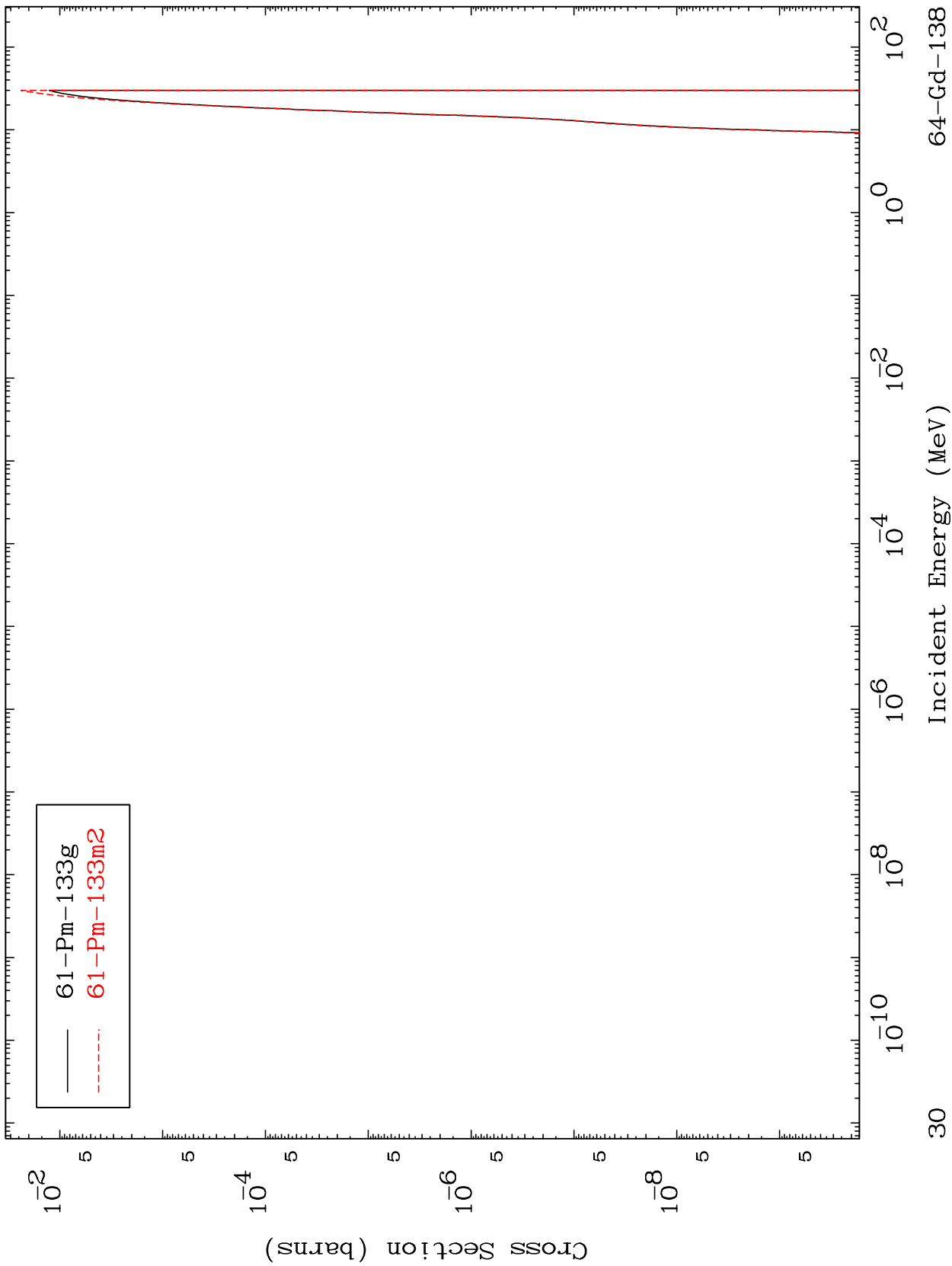
63-Eu-136g
63-Eu-136m1

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(n,n') p α

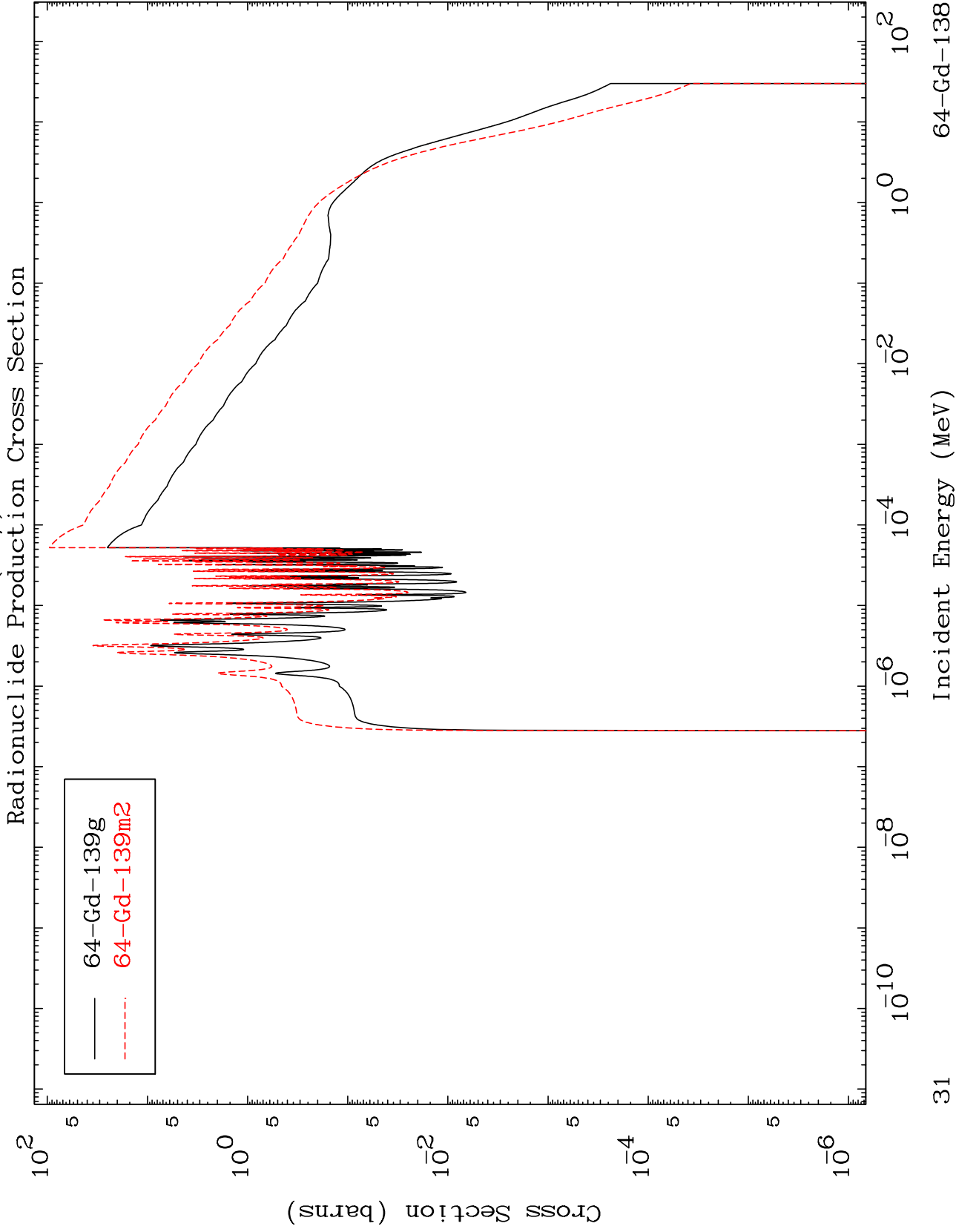
64-Gd-138

Radionuclide Production Cross Section



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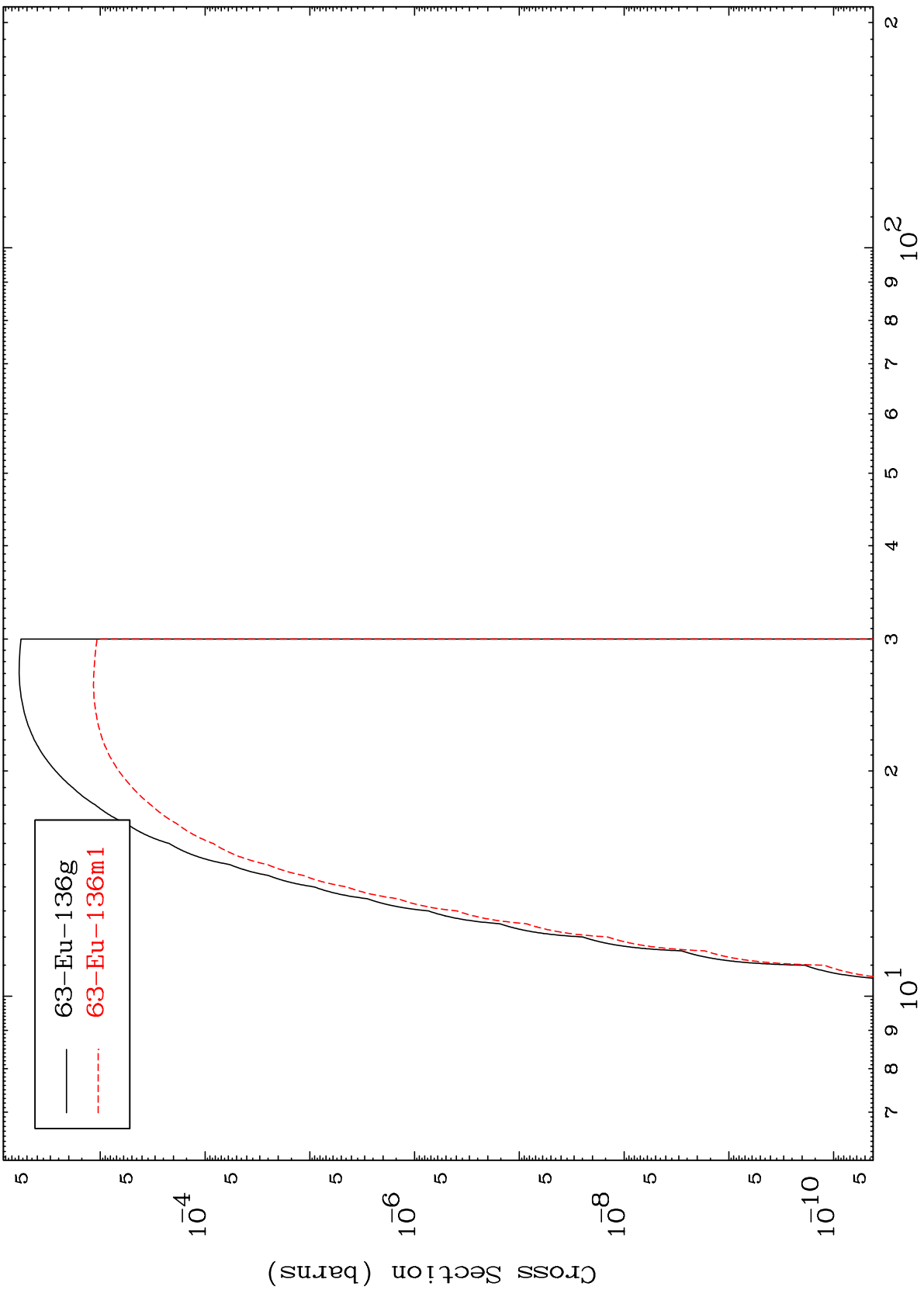
64-Gd-138



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64-Gd-138

(n,t)
Radionuclide Production Cross Section



63-Eu-136g
63-Eu-136m1

32

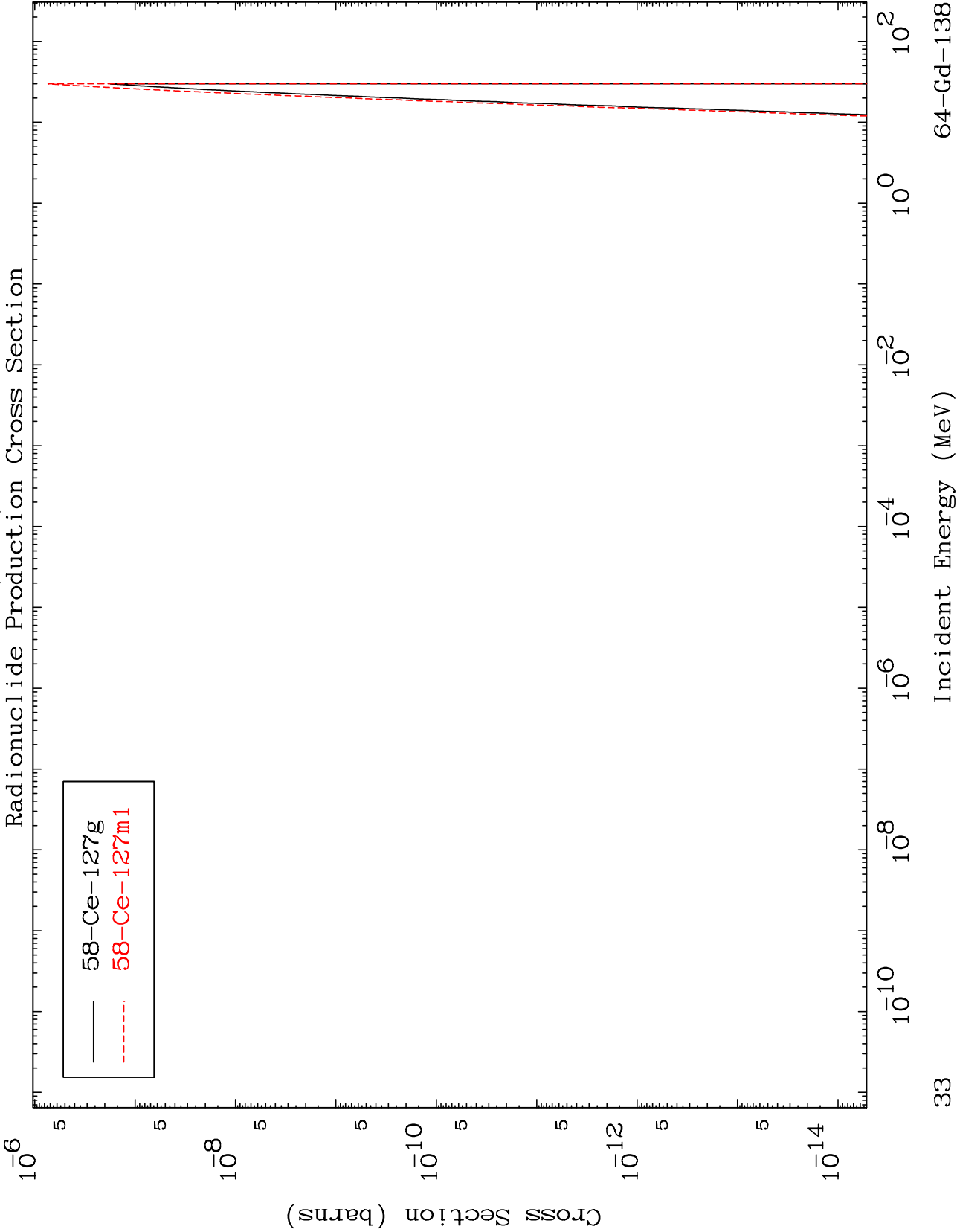
Incident Energy (MeV)

64-Gd-138

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(n, 3α)

64-Gd-138

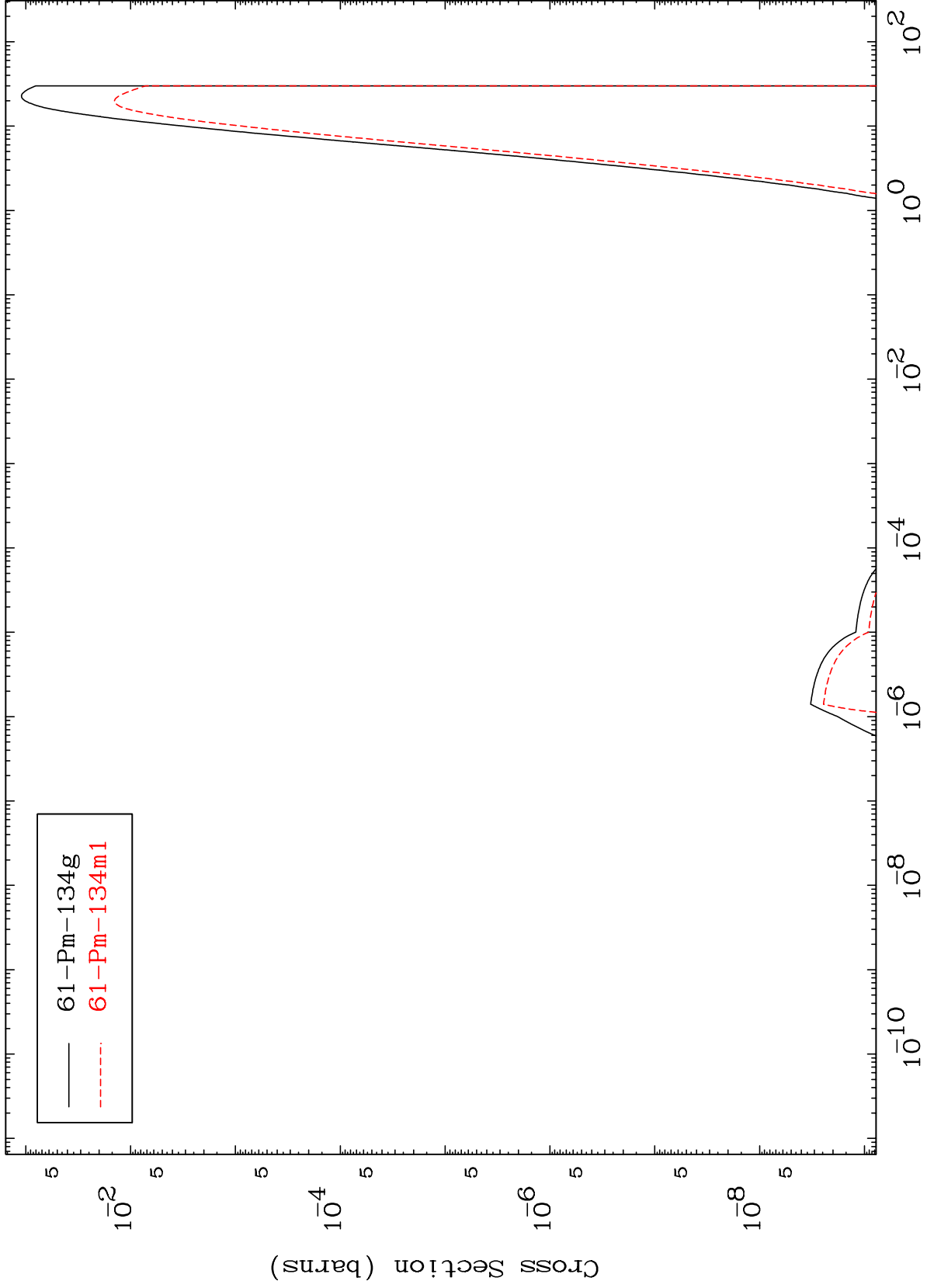


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(n,p) α

64-Gd-138

Radionuclide Production Cross Section



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Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,d) α

64-Gd-138

Radionuclide Production Cross Section

