

Program EVALPLOT  
(Version 2018-1)

by

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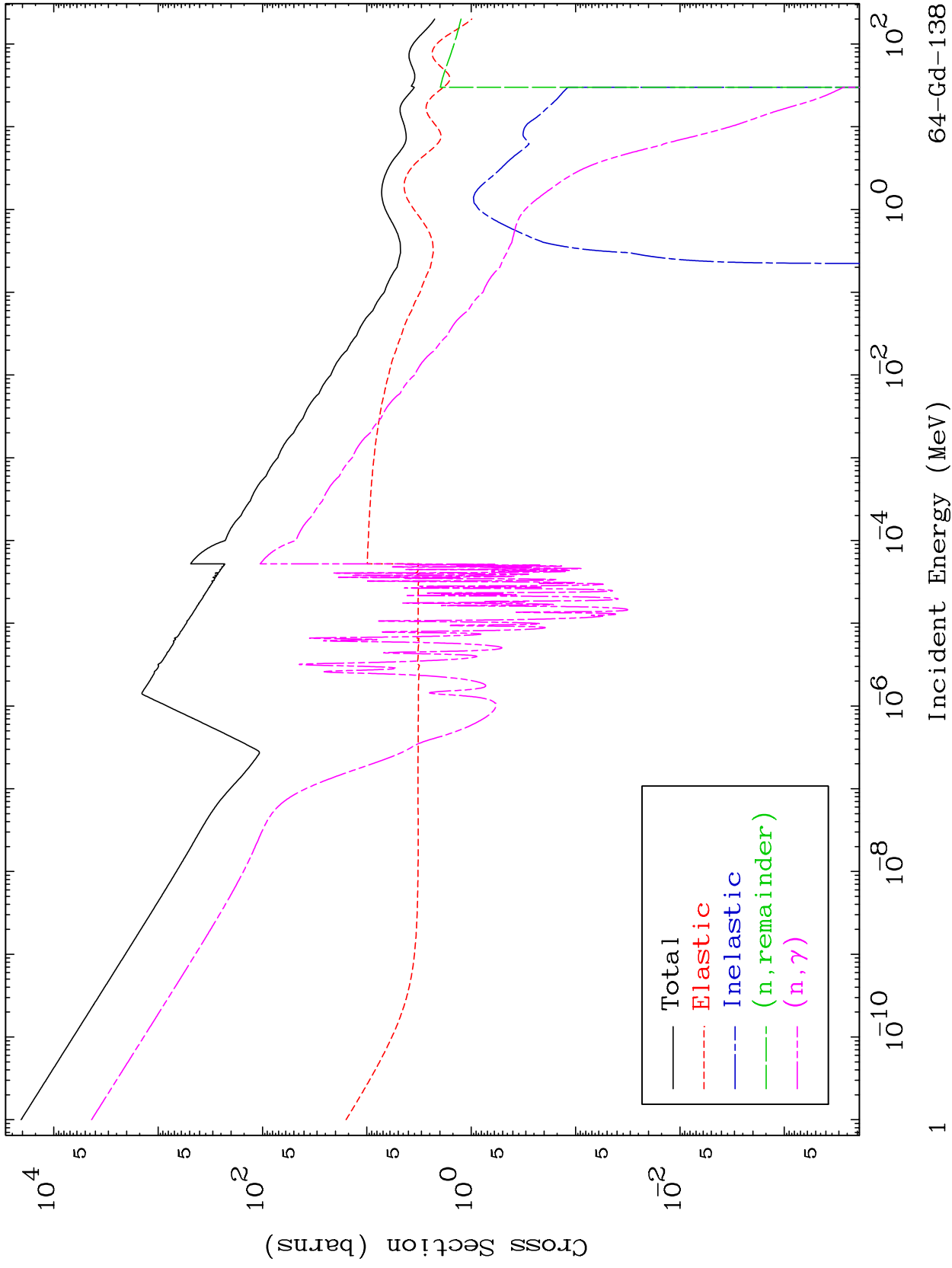
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6383

Major  
293 Kelvin Cross Sections

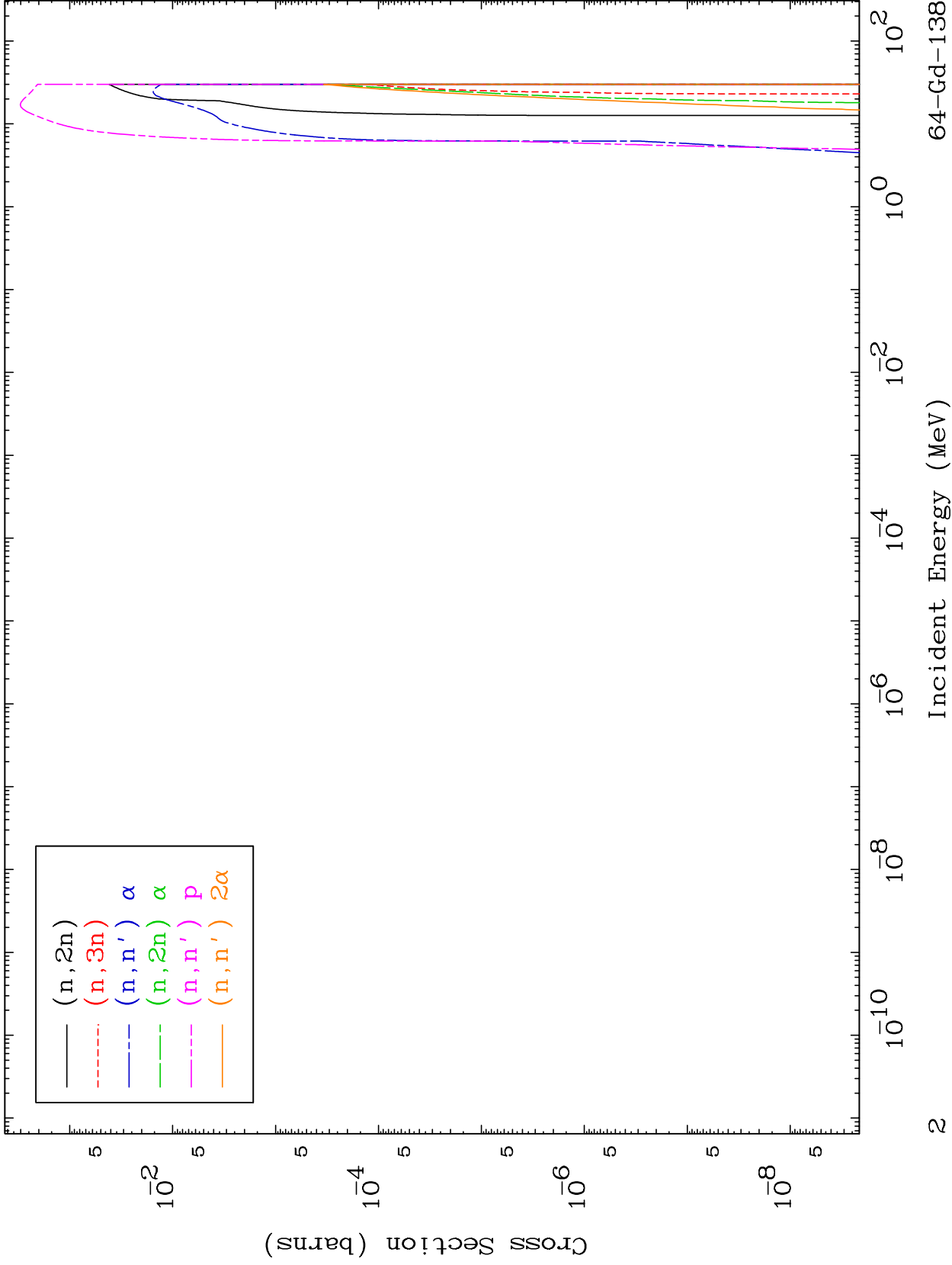
64-Gd-138



MAT 6383

Neutron Production  
293 Kelvin Cross Sections

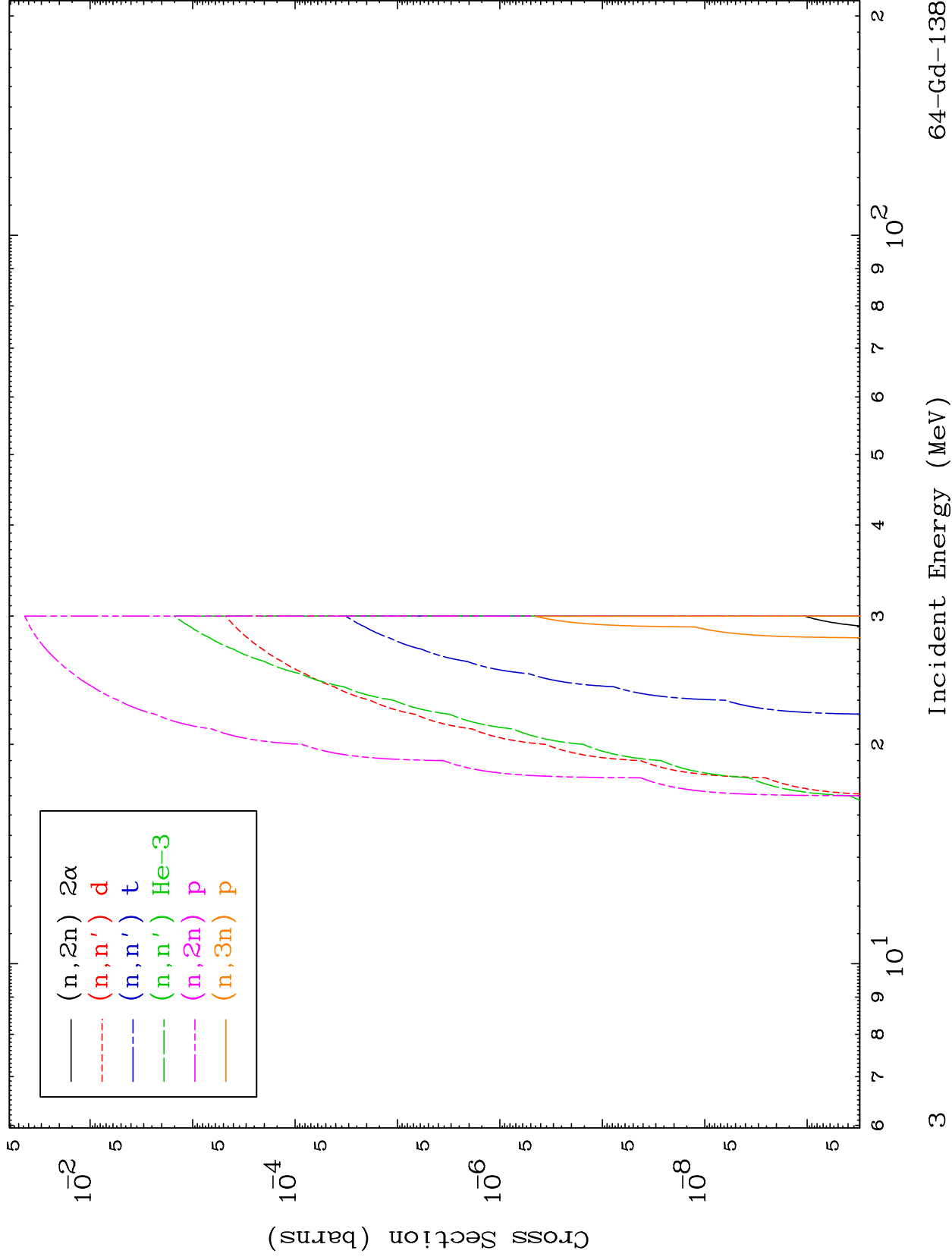
64-Gd-138



MAT 6383

Neutron Production  
293 Kelvin Cross Sections

64-Gd-138



64-Gd-138

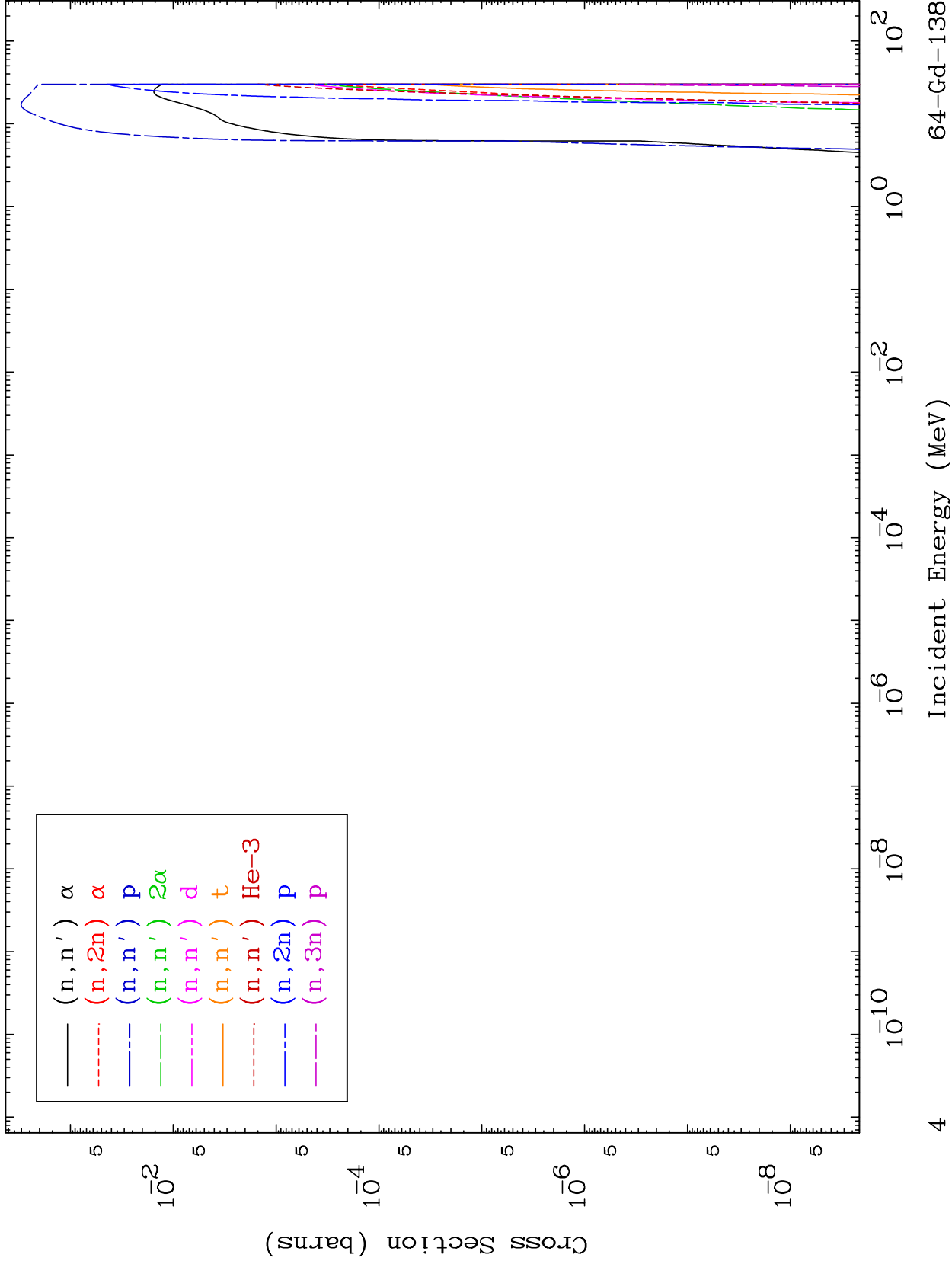
Incident Energy (MeV)

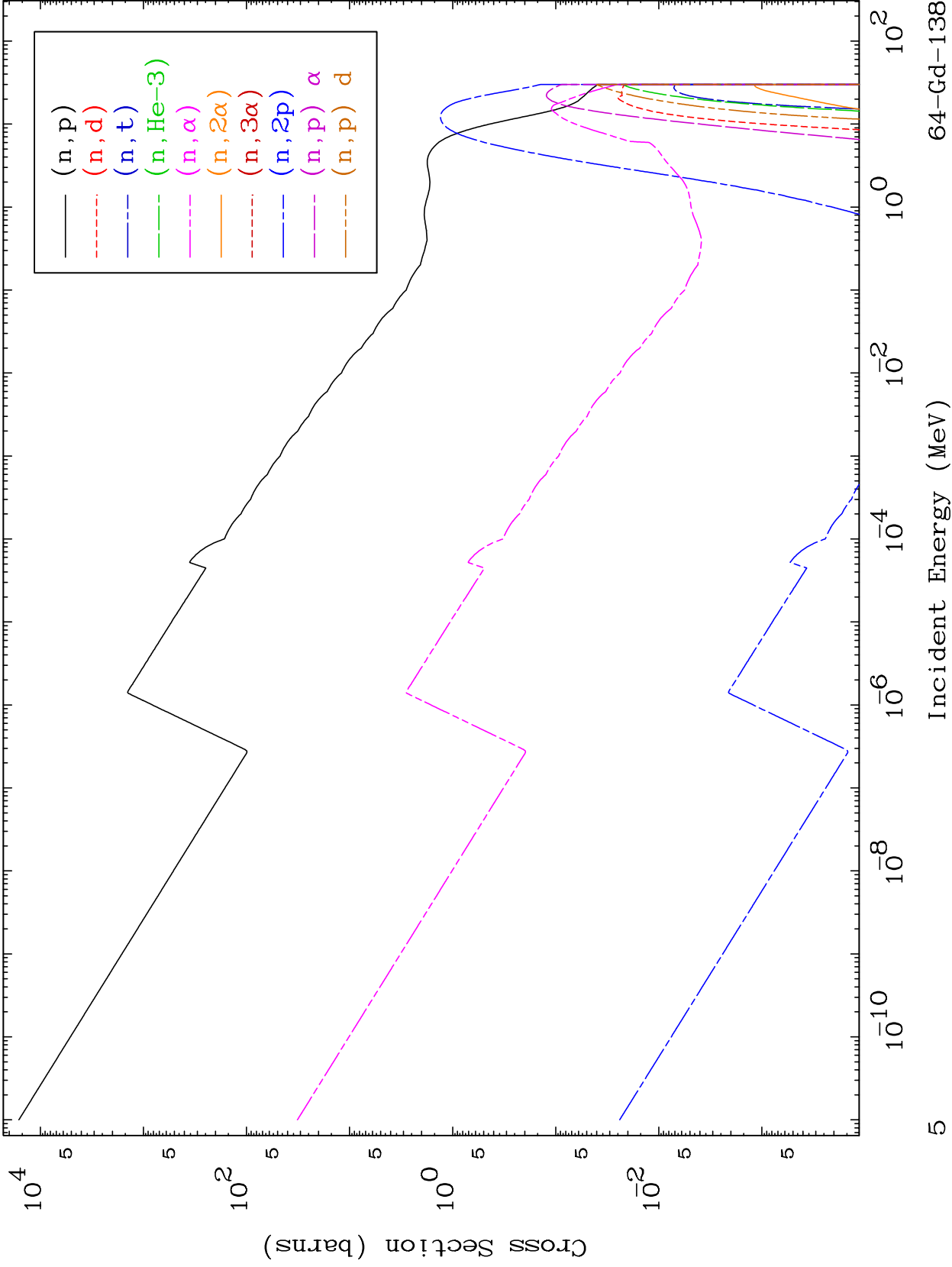
3

MAT 6383

Charged Particle  
293 Kelvin Cross Sections

64-Gd-138

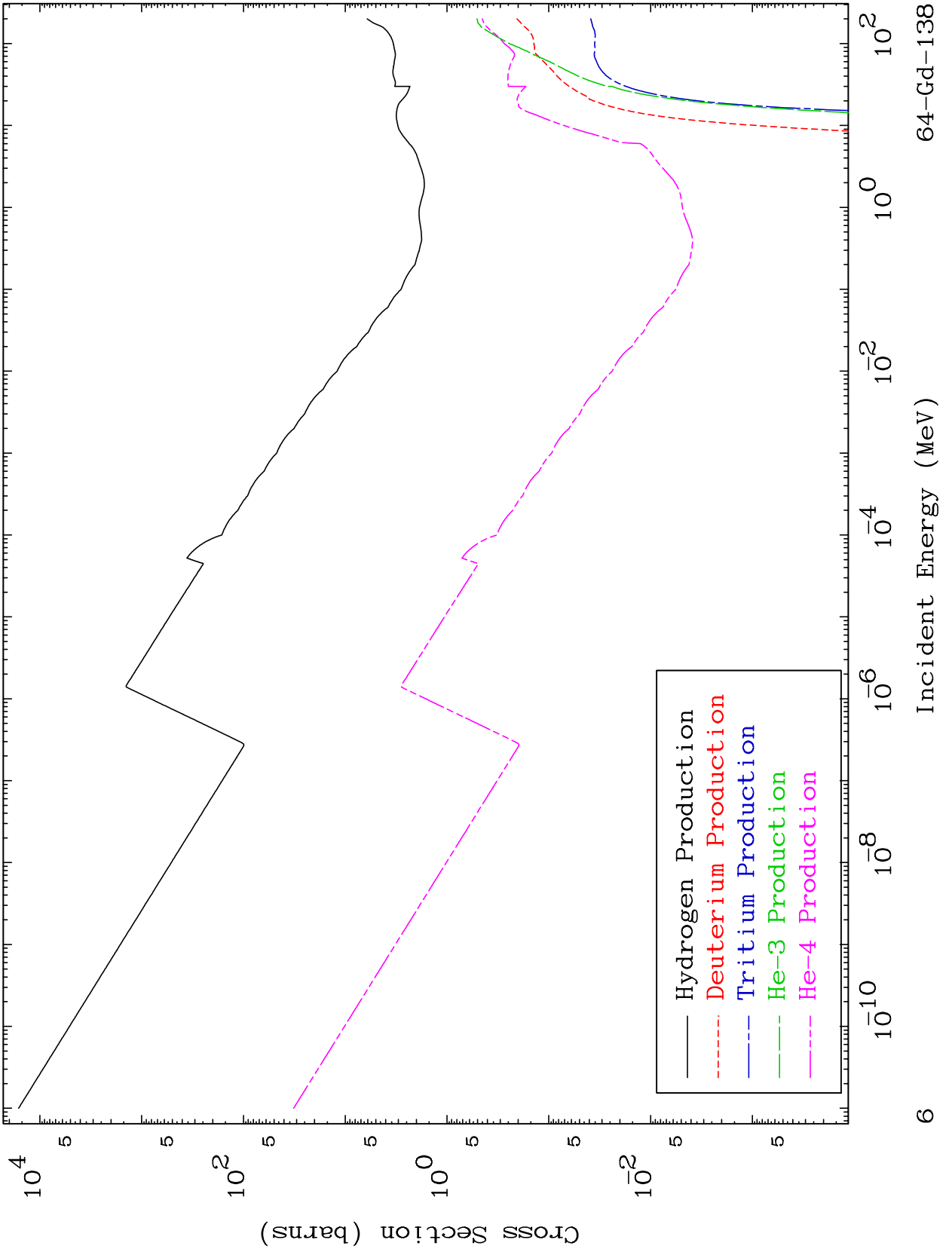




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Particle Production  
293 Kelvin Cross Sections

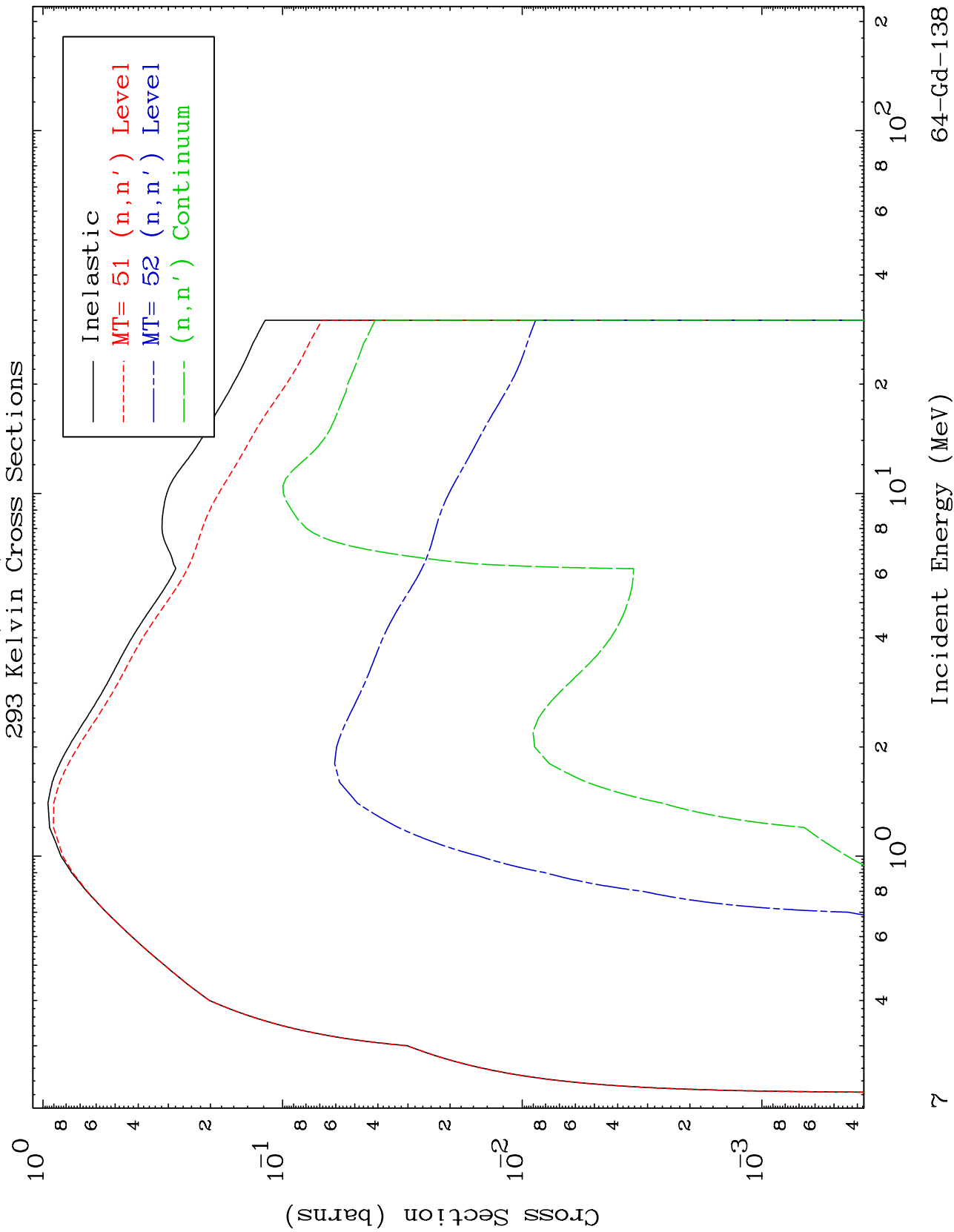
64-Gd-138



MAT 6383

(n,n') Level

64-Gd-138

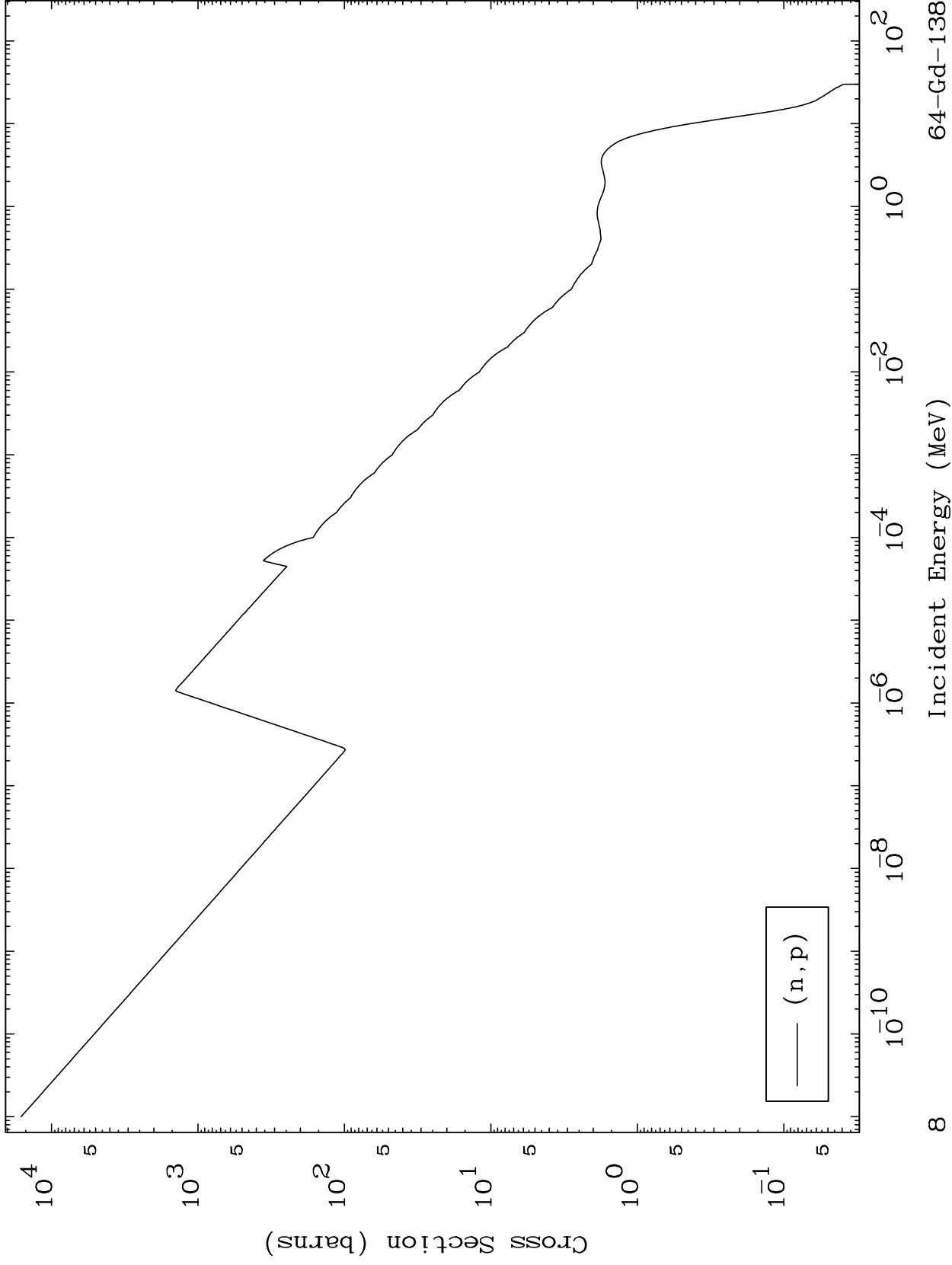




MAT 6383

(n,p) Levels  
293 Kelvin Cross Sections

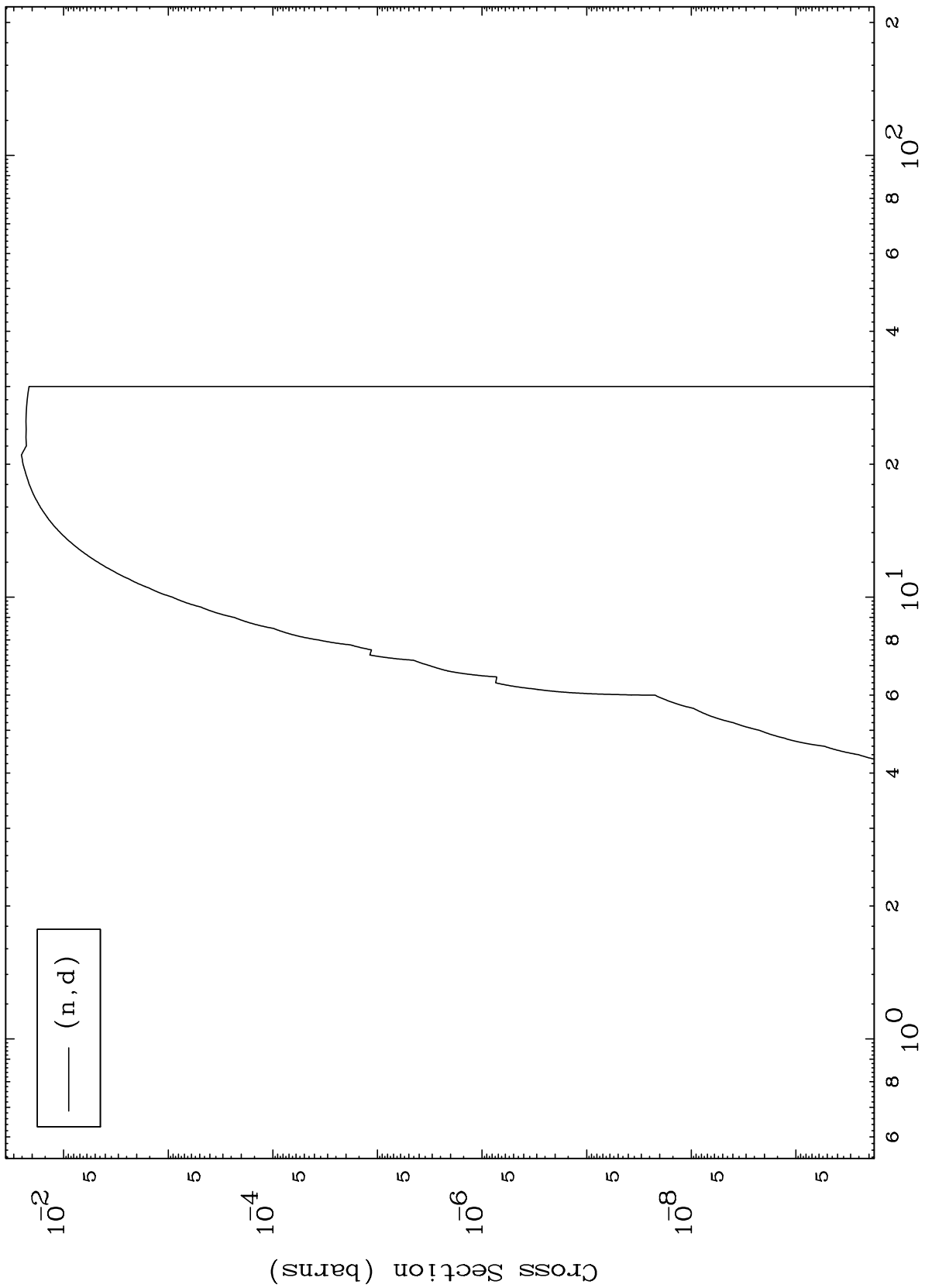
64-Gd-138



MAT 6383

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-138



9

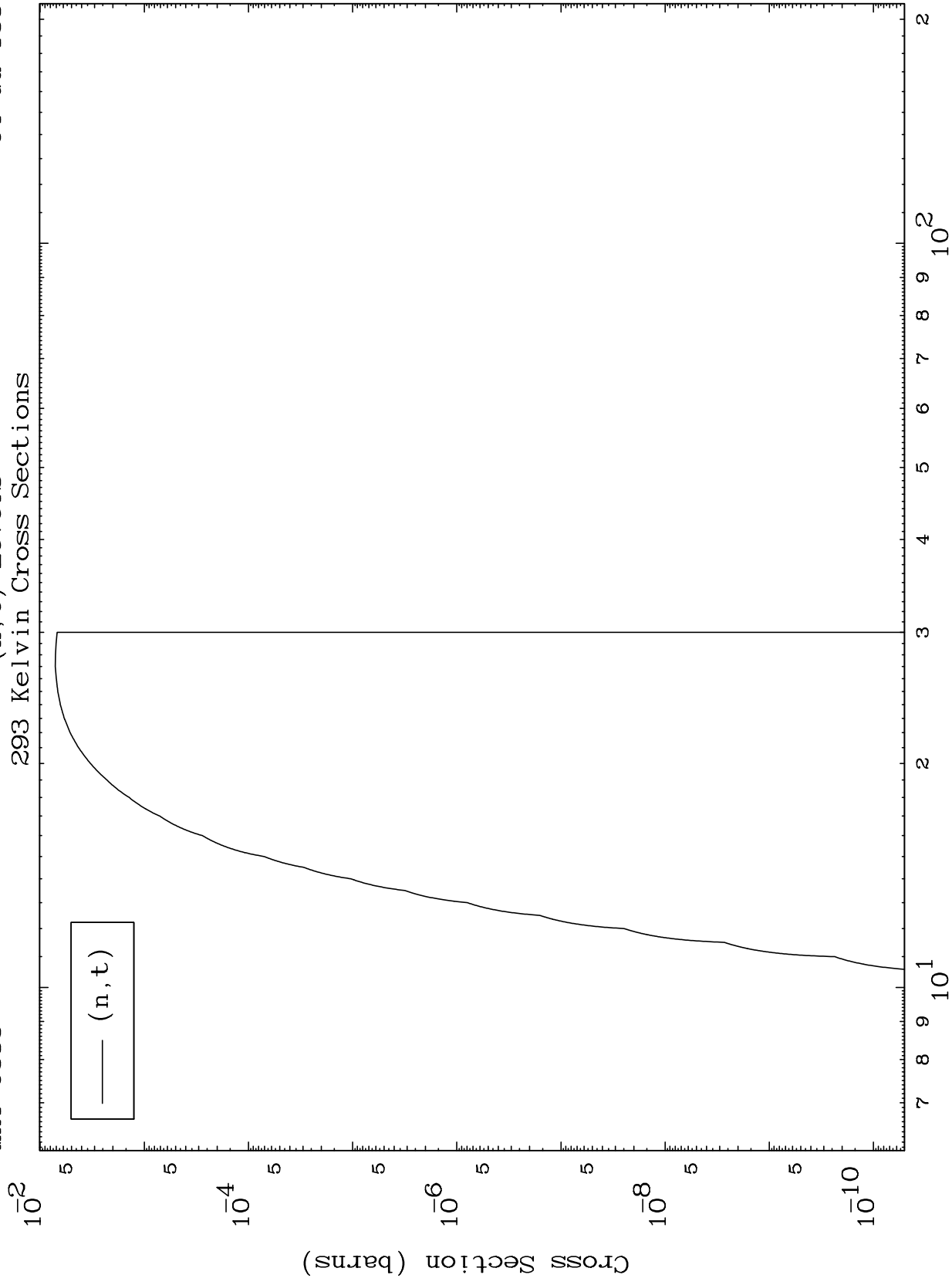
Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-138



10

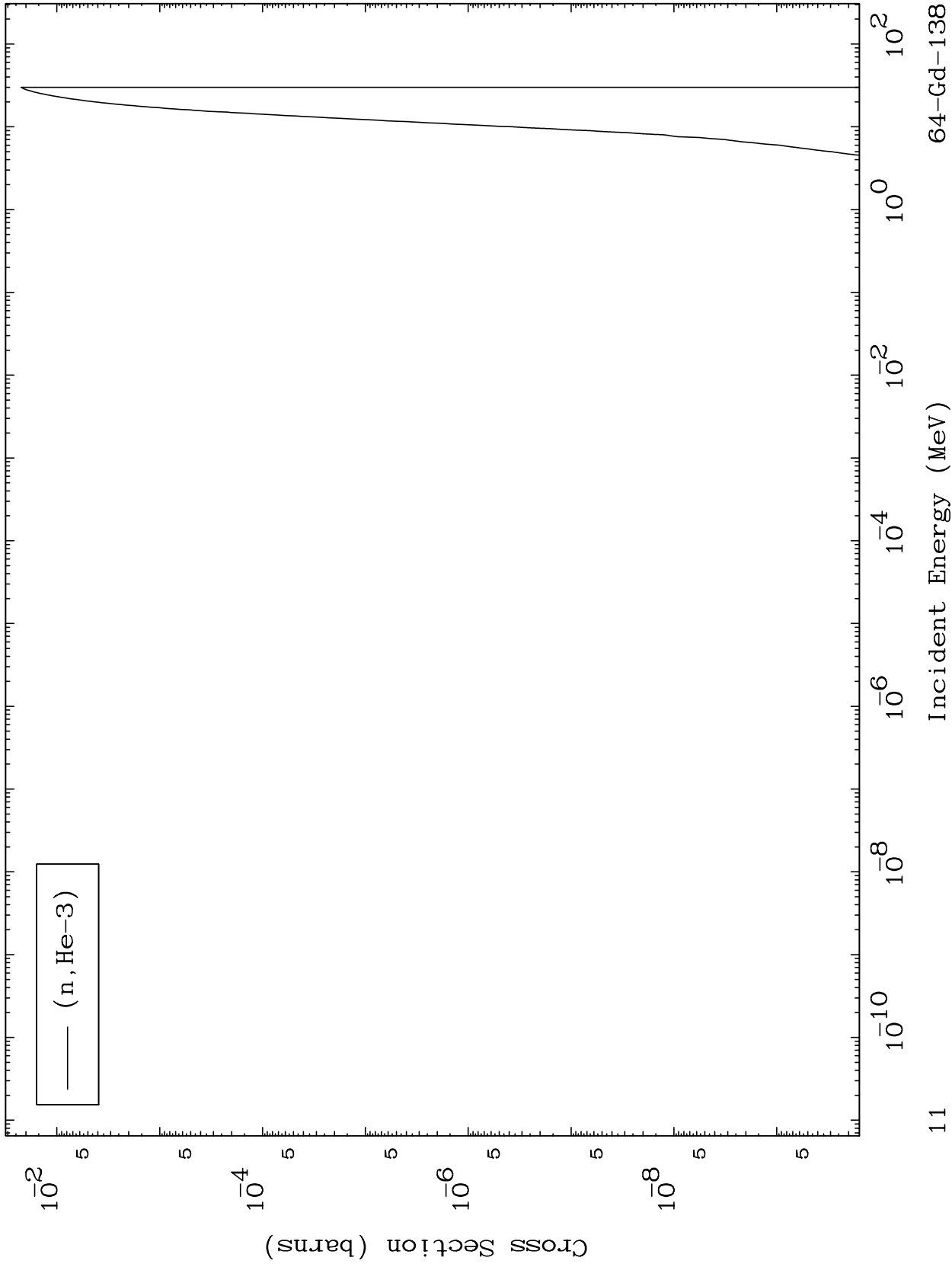
Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,He3) Levels  
293 Kelvin Cross Sections

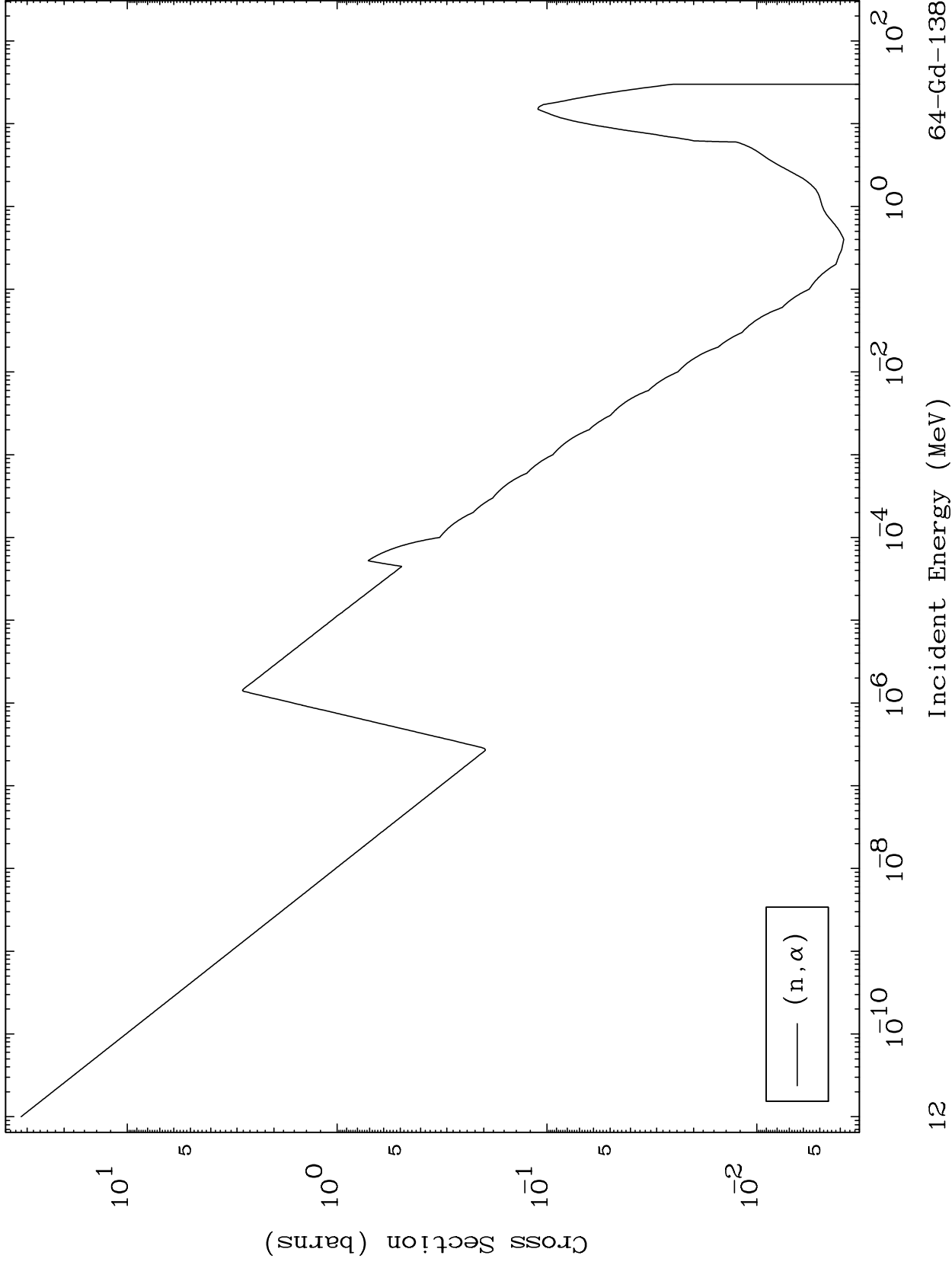
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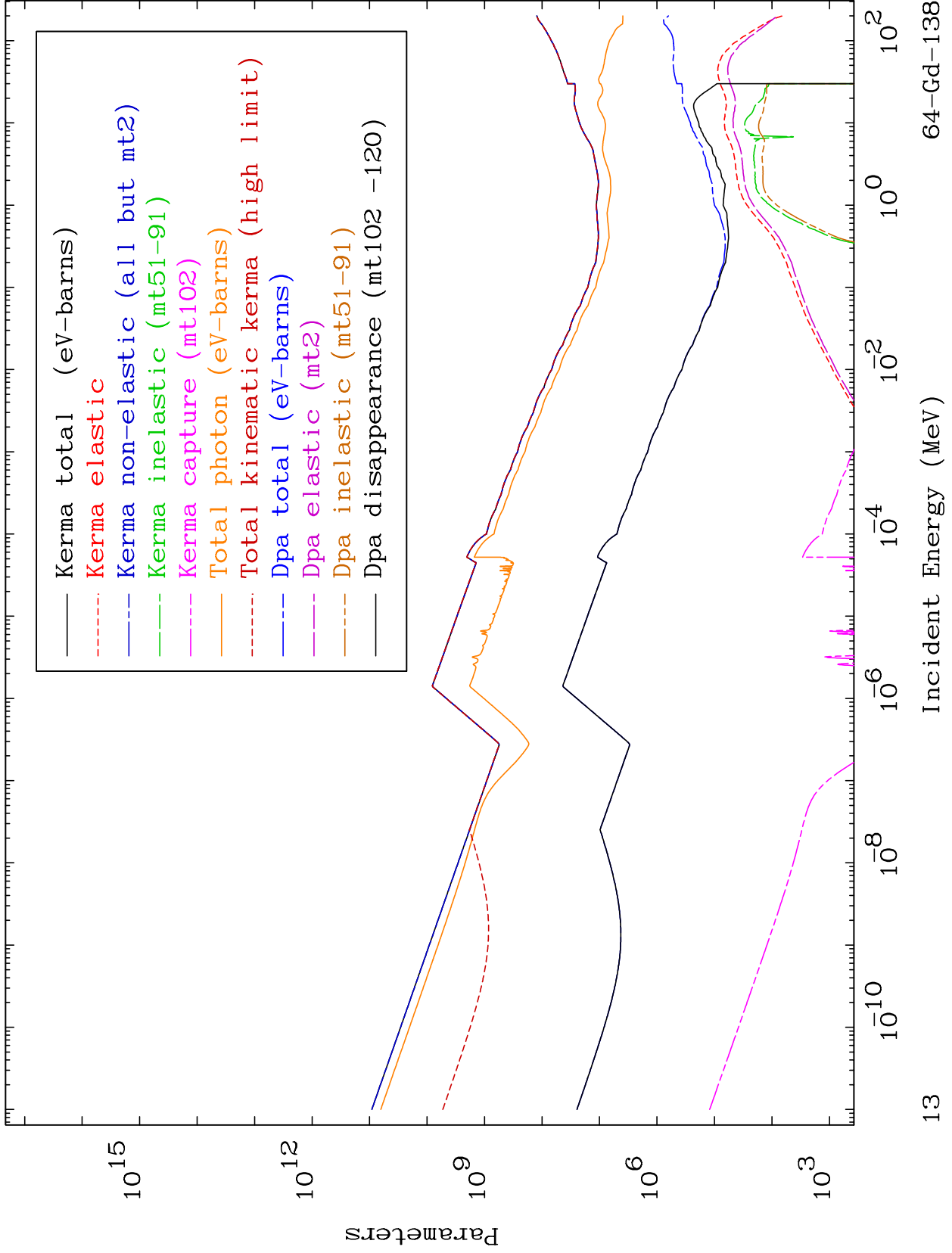


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(n,α) Levels  
293 Kelvin Cross Sections

64-Gd-138

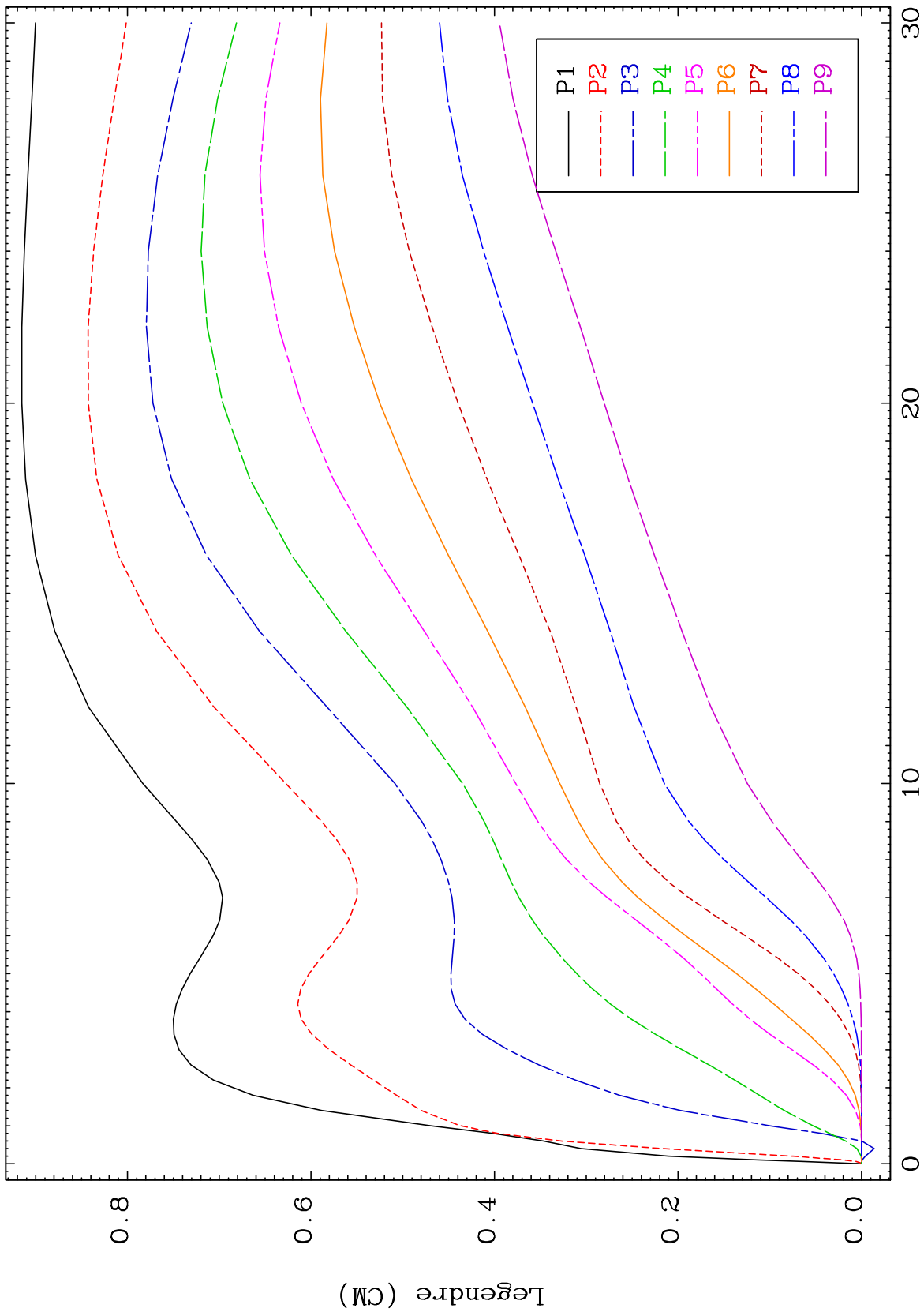




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64-Gd-138

Elastic Legendre Coefficients



64-Gd-138

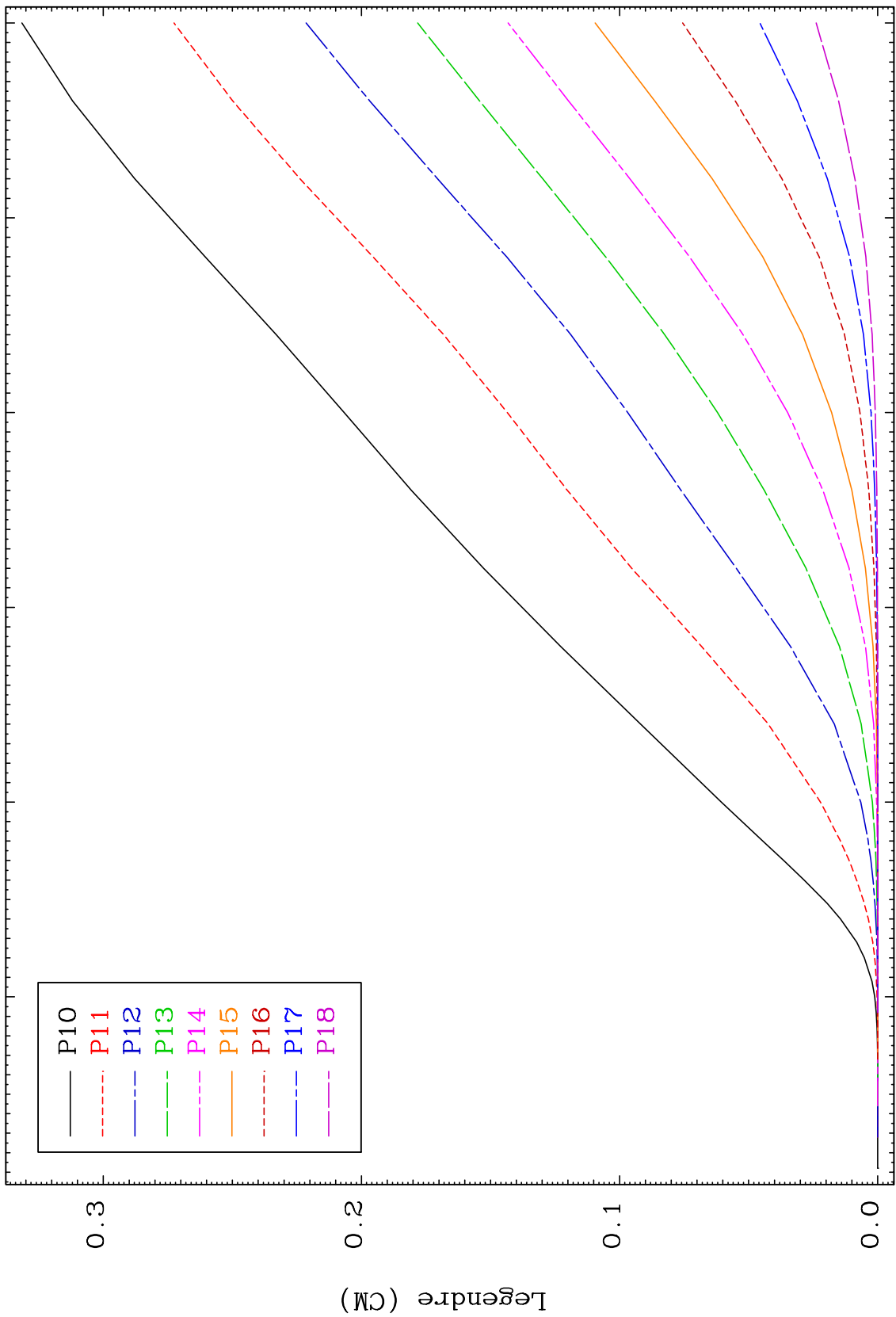
Incident Energy (MeV)

14

MAT 6383

Elastic Legendre Coefficients

64-Gd-138



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Incident Energy (MeV)

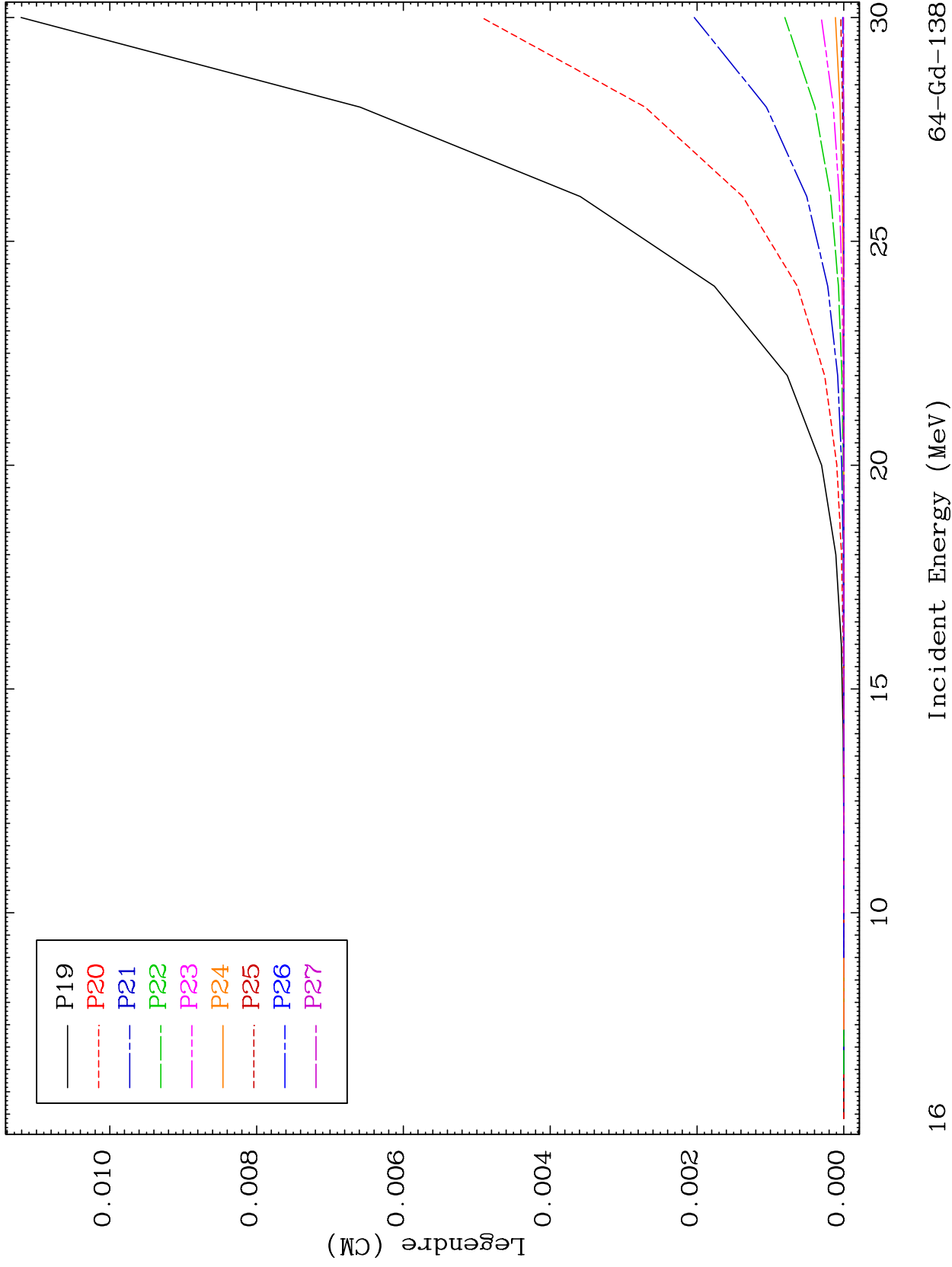
64-Gd-138



MAT 6383

Elastic Legendre Coefficients

64-Gd-138



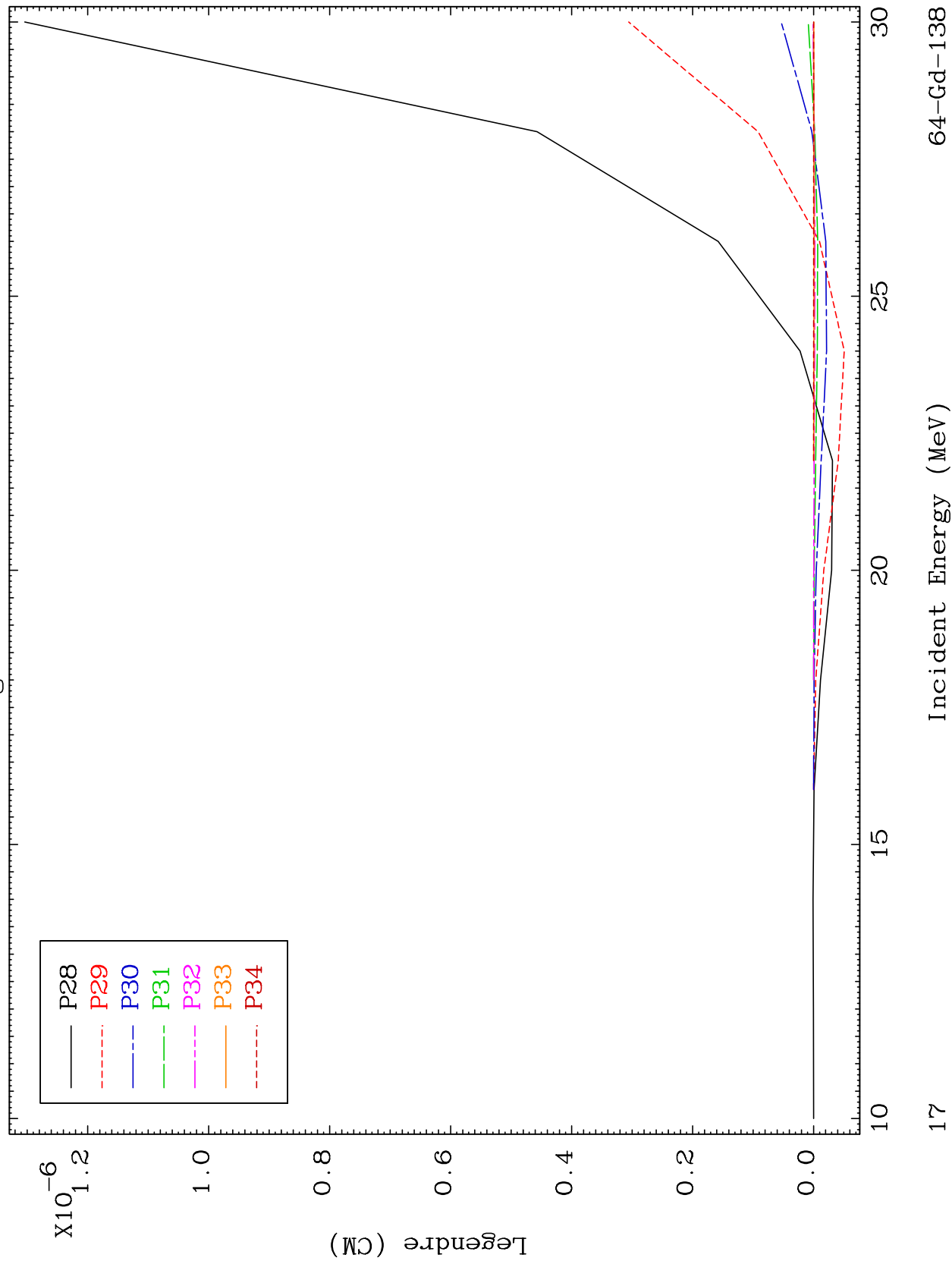
16

64-Gd-138

MAT 6383

Elastic Legendre Coefficients

64-Gd-138



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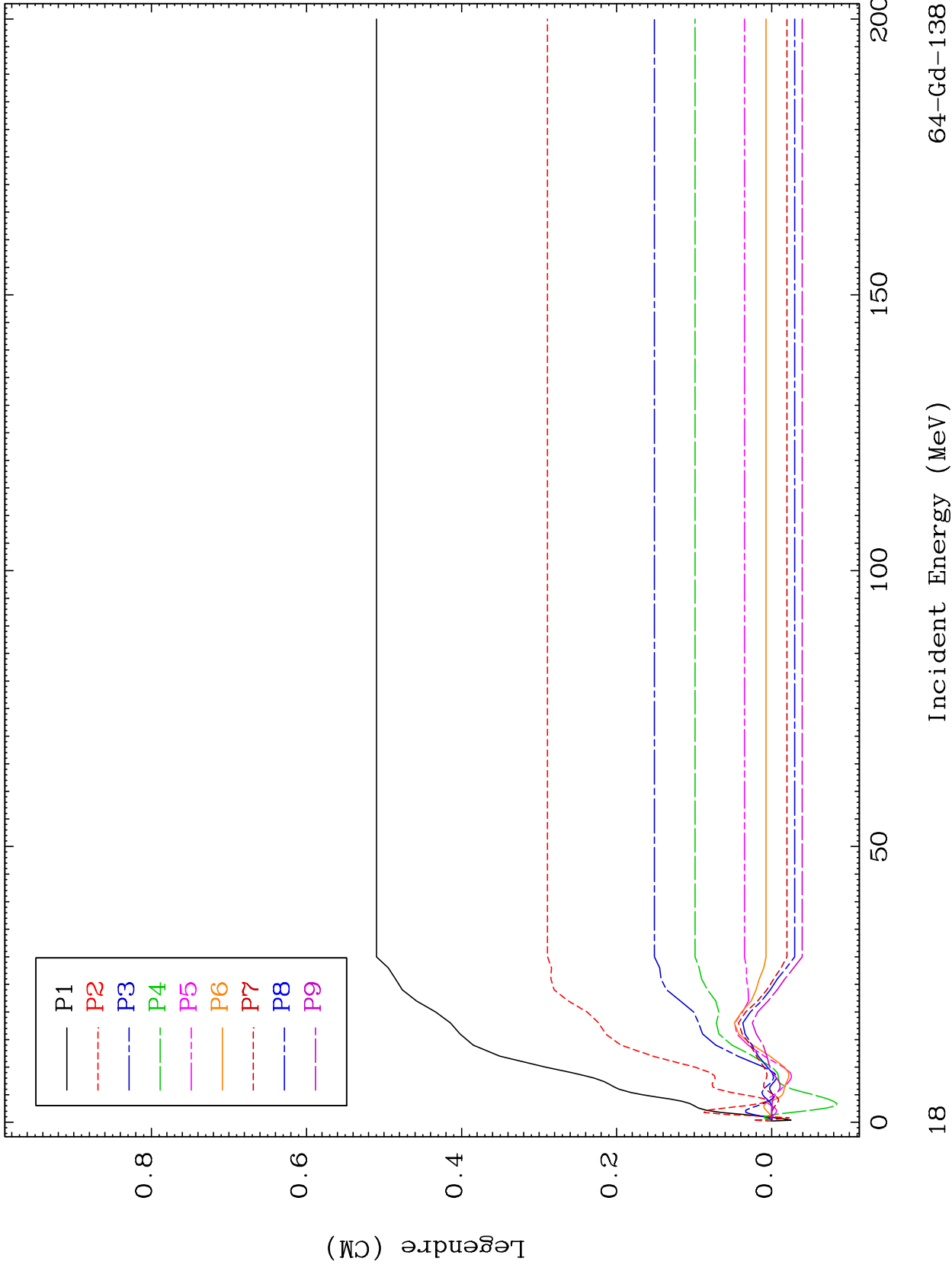
Incident Energy (MeV)

64-Gd-138

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

64-Gd-138



64-Gd-138

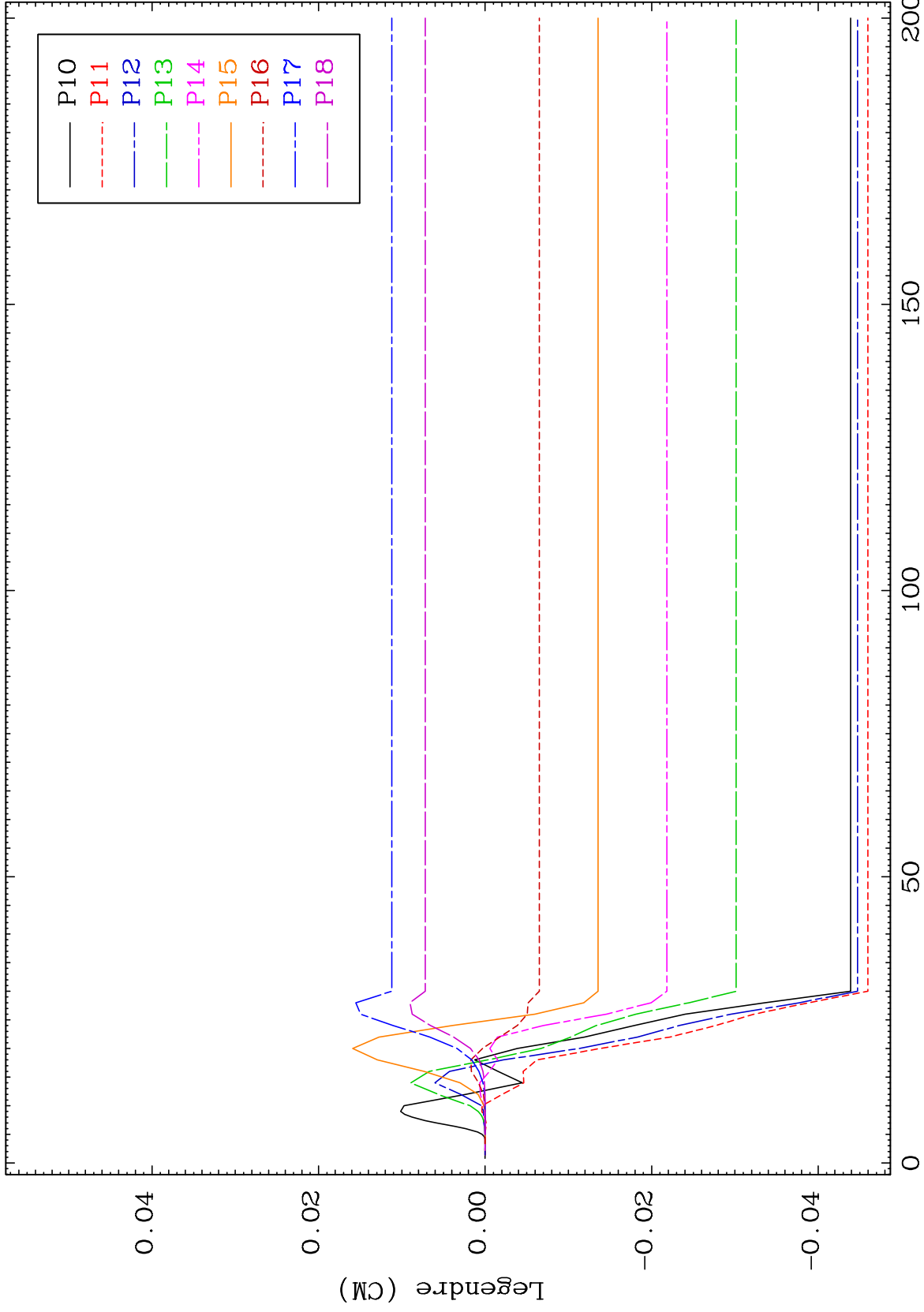
Incident Energy (MeV)

18

MAT 6383

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

64-Gd-138



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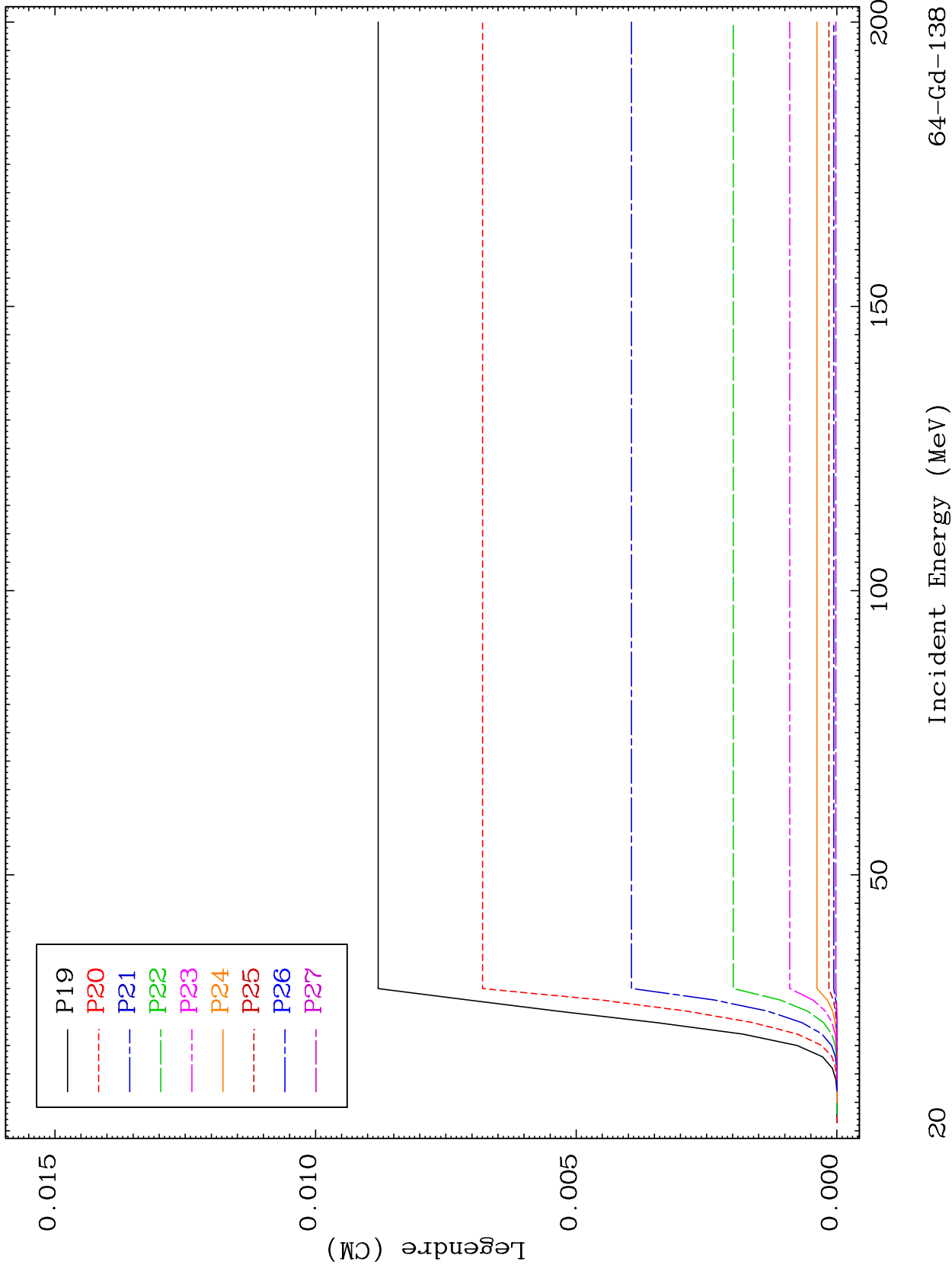
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



64-Gd-138

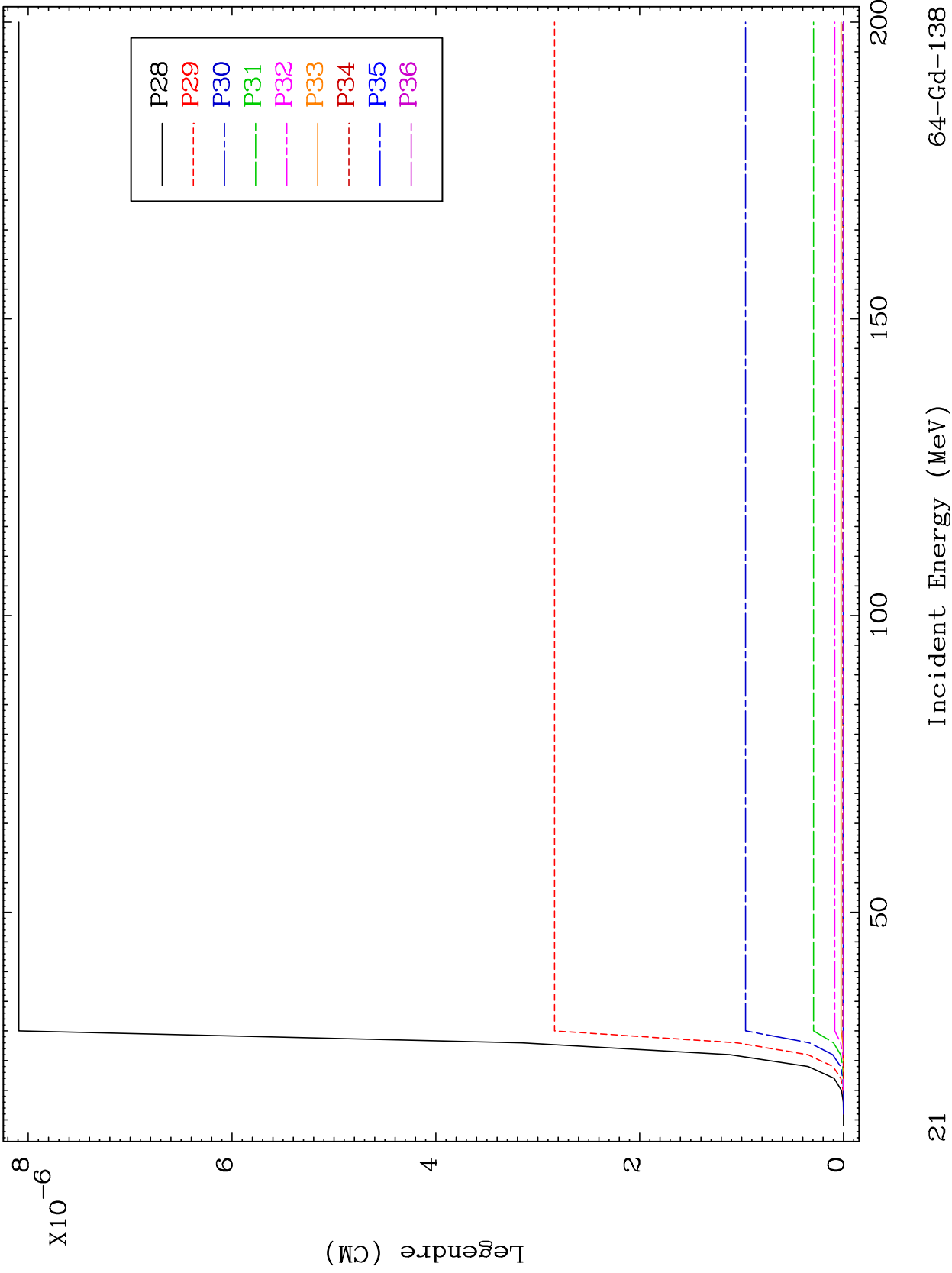
Incident Energy (MeV)

20

MAT 6383

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

64-Gd-138



21

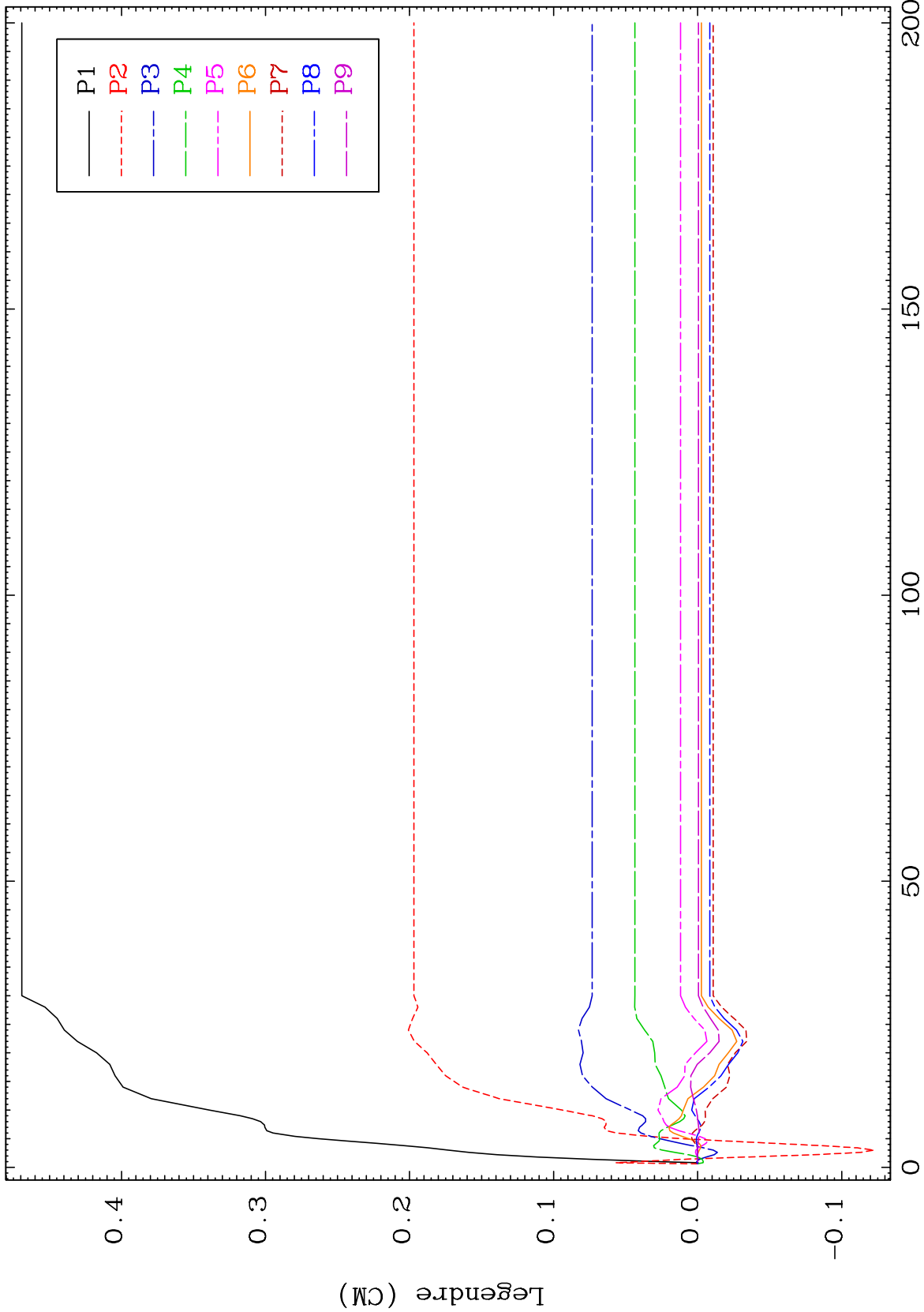
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



22

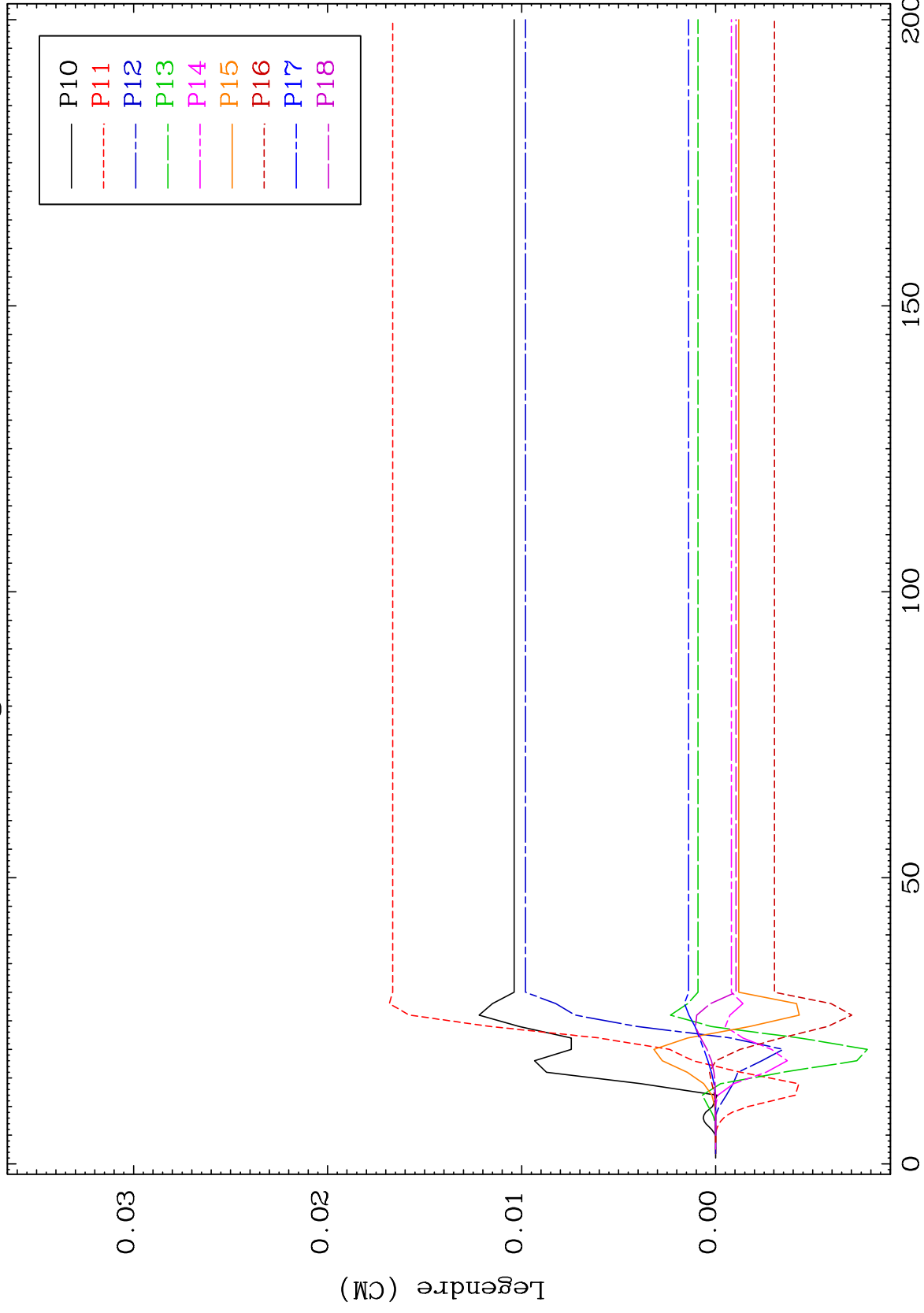
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138

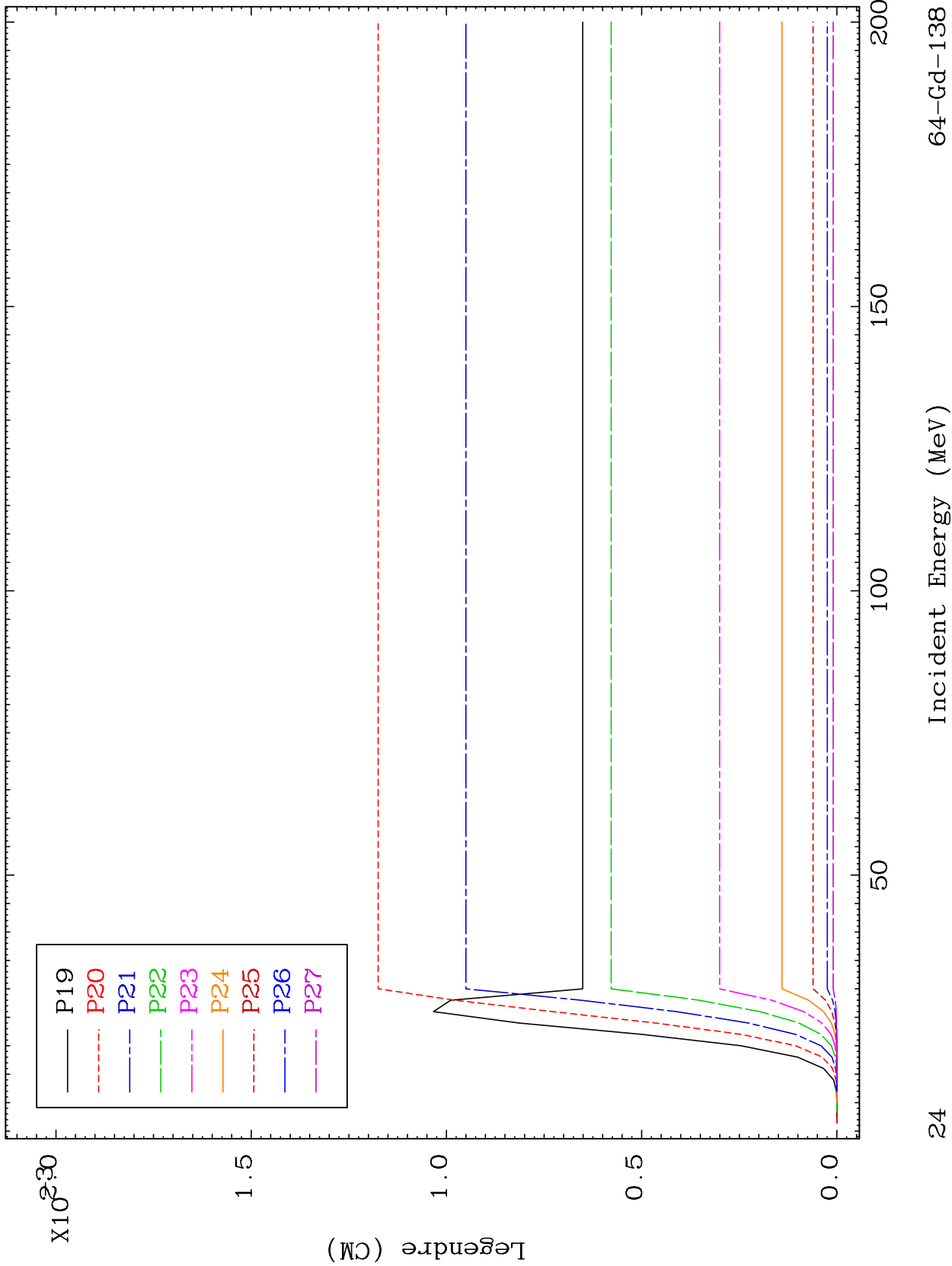


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Incident Energy (MeV)

64-Gd-138

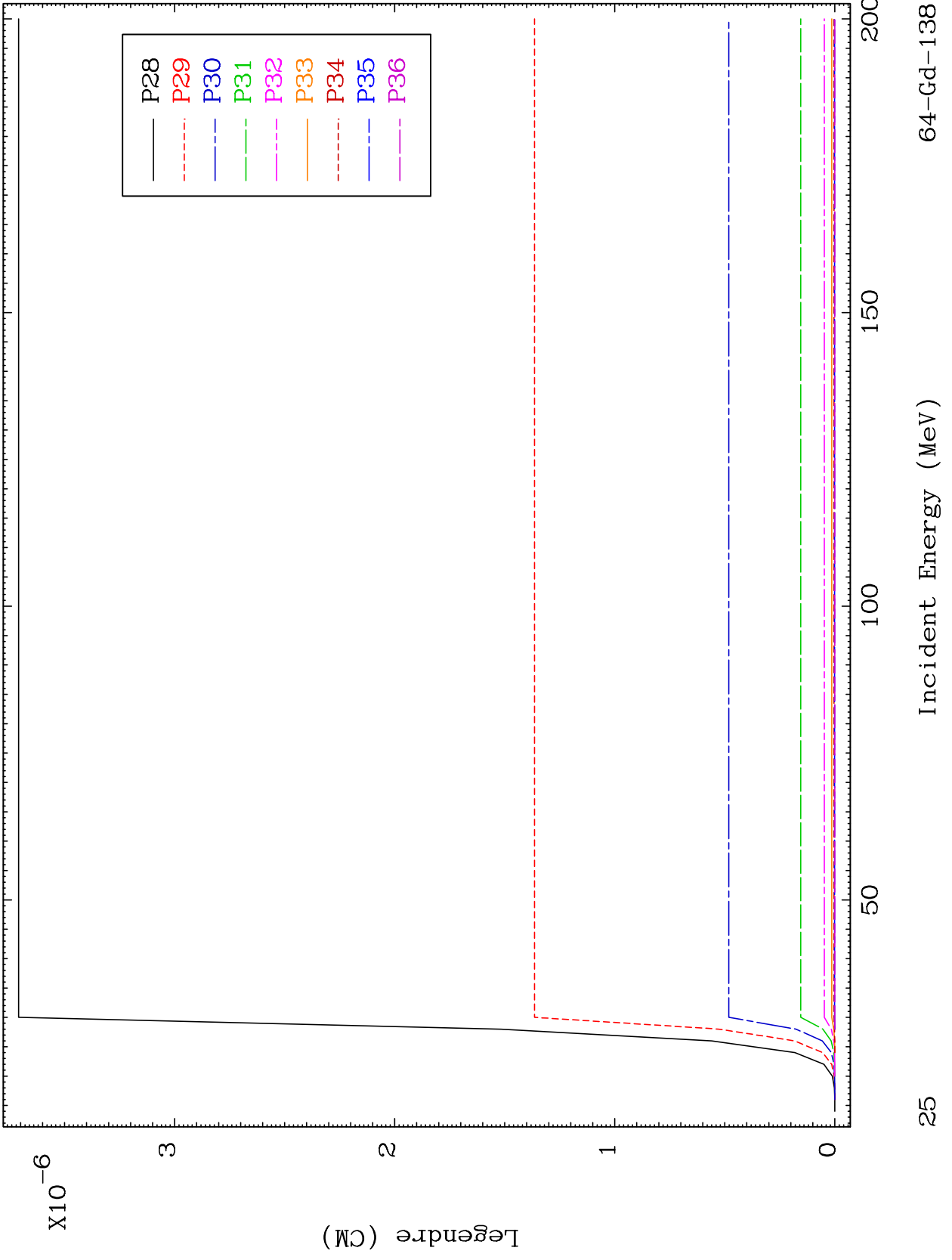




MAT 6383

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

64-Gd-138

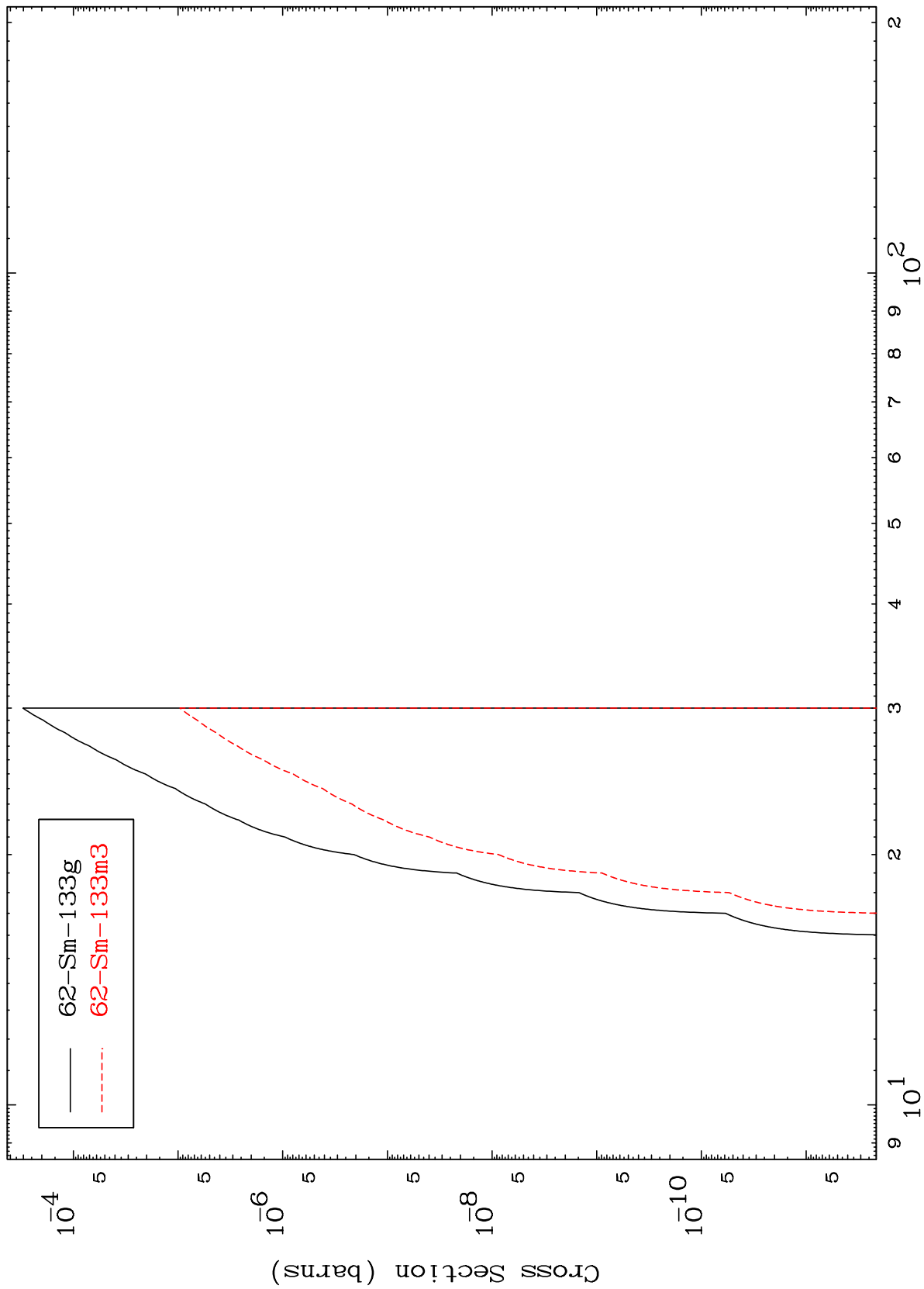


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(n,2n)  $\alpha$

64-Gd-138

Radionuclide Production Cross Section

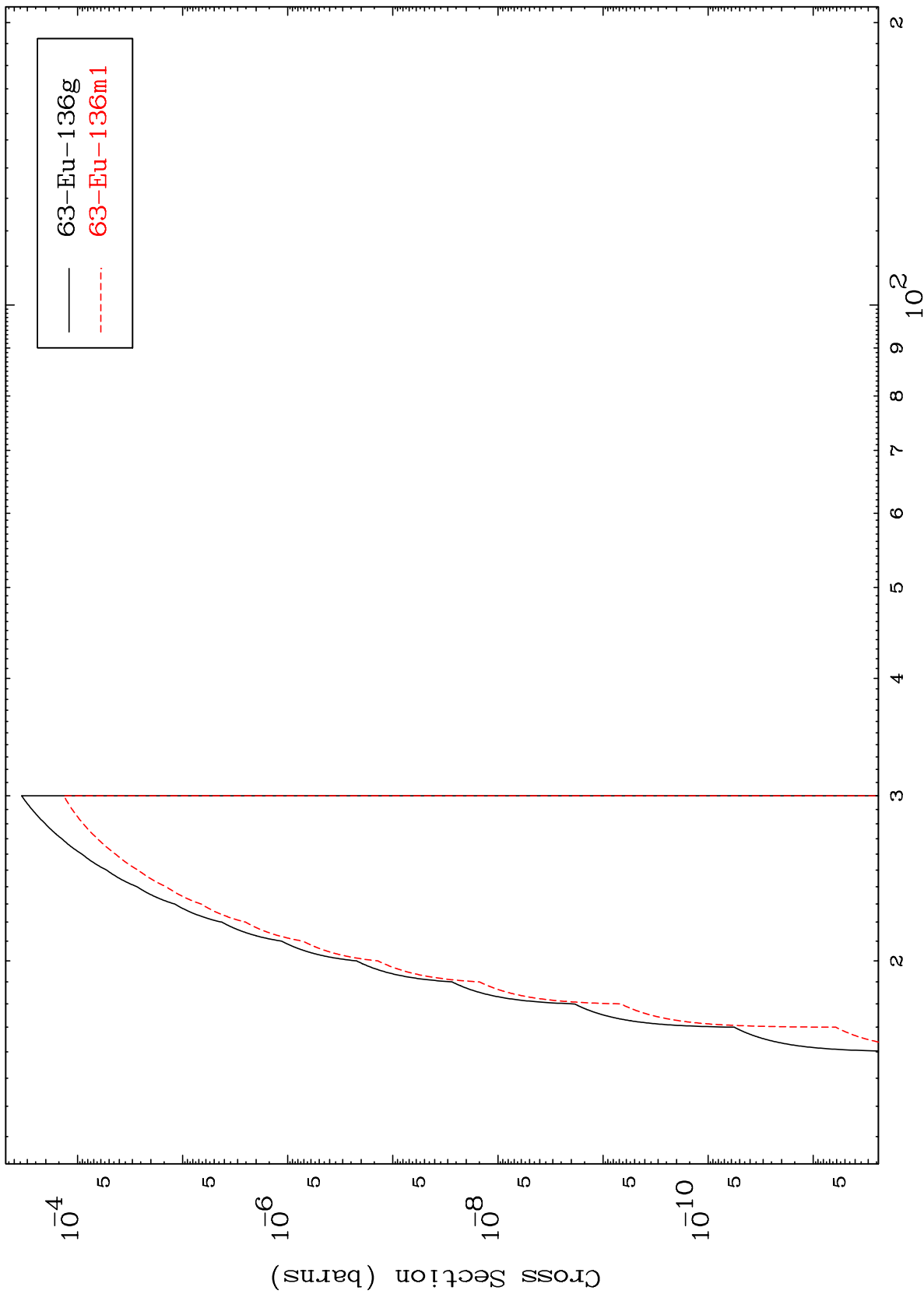


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Incident Energy (MeV)

64-Gd-138

Radionuclide Production Cross Section

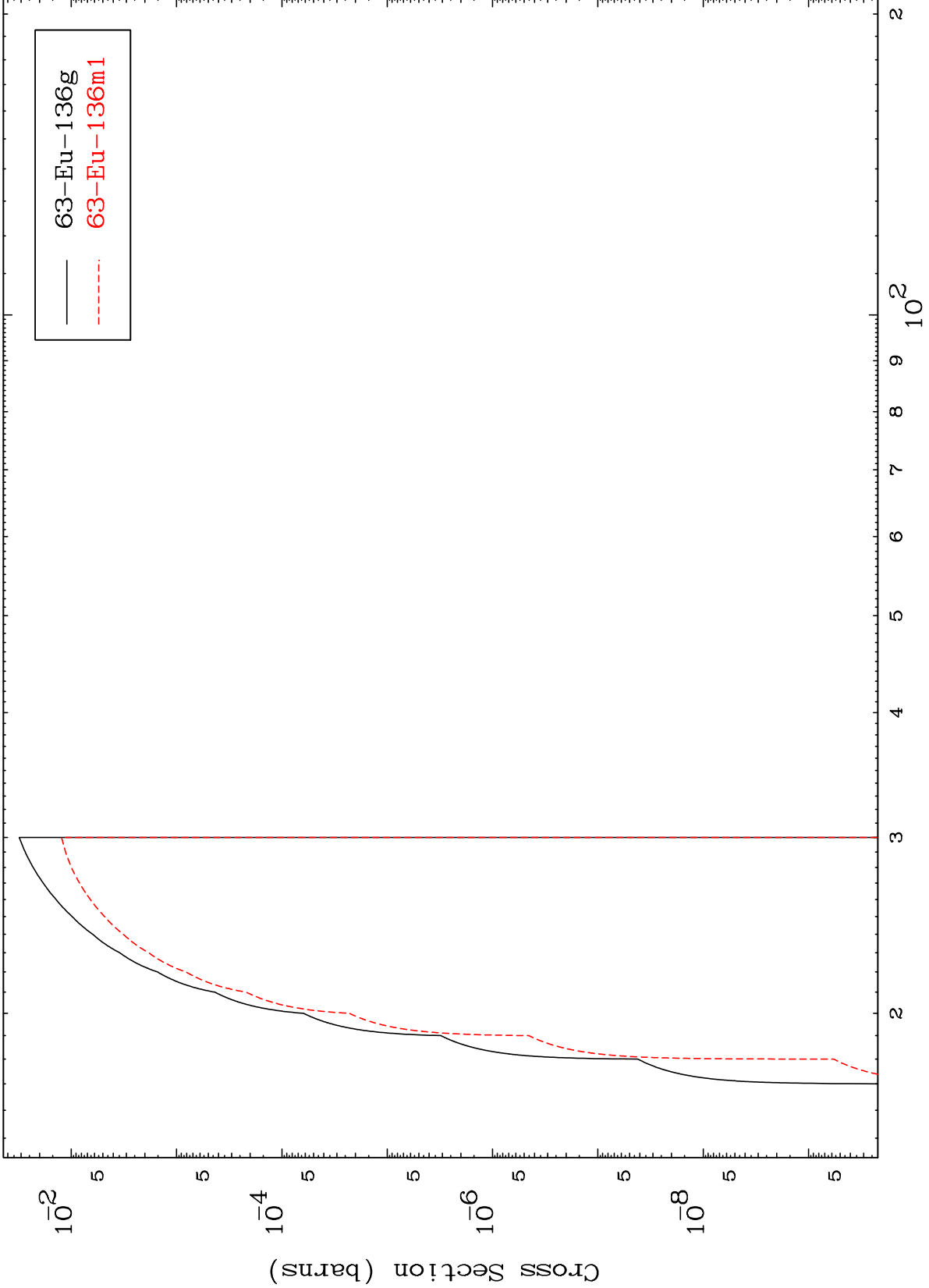


MAT 6383

(n,2n) p

64-Gd-138

Radionuclide Production Cross Section



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Incident Energy (MeV)

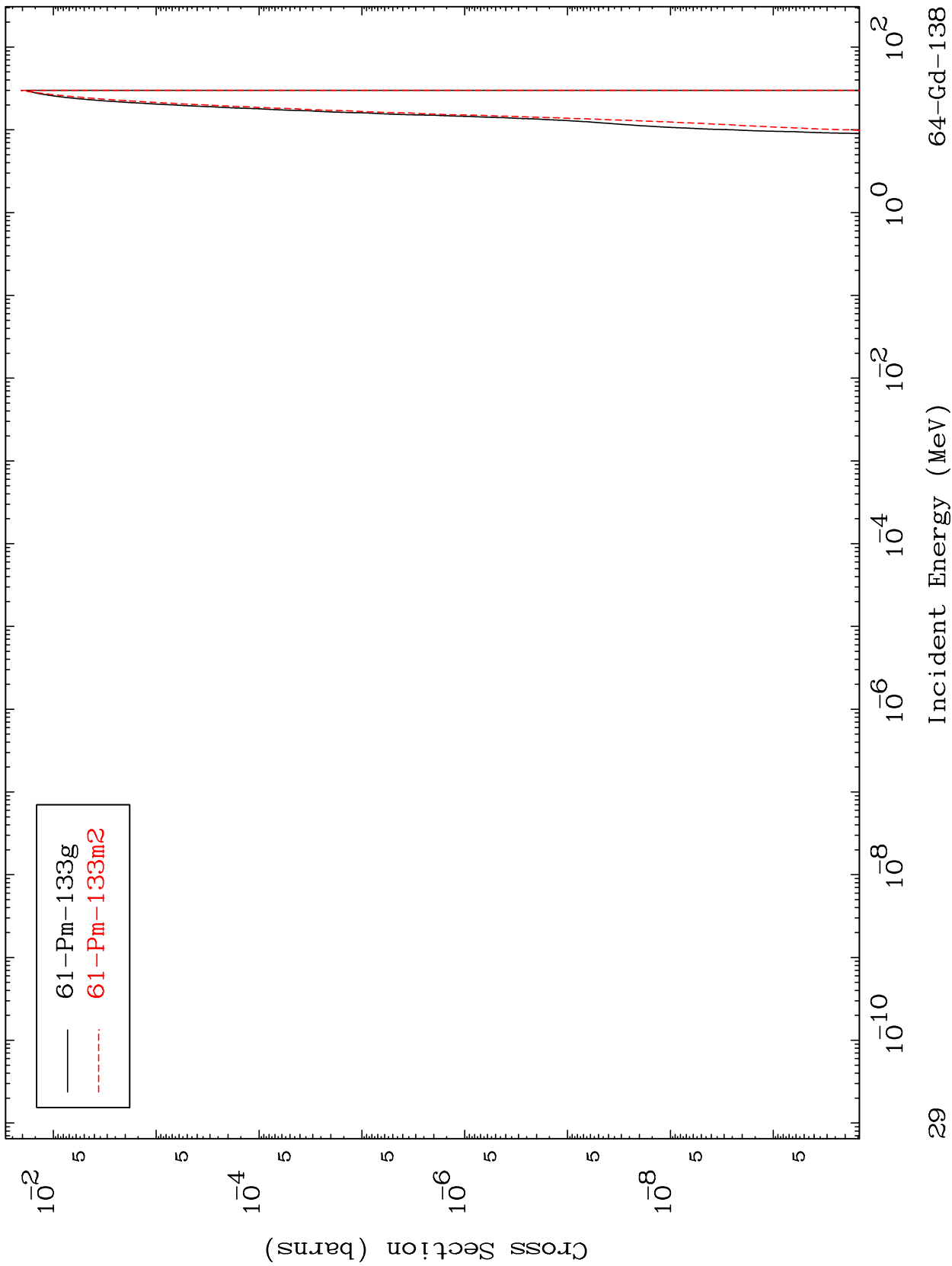
64-Gd-138

MAT 6383

(n,n') p  $\alpha$

64-Gd-138

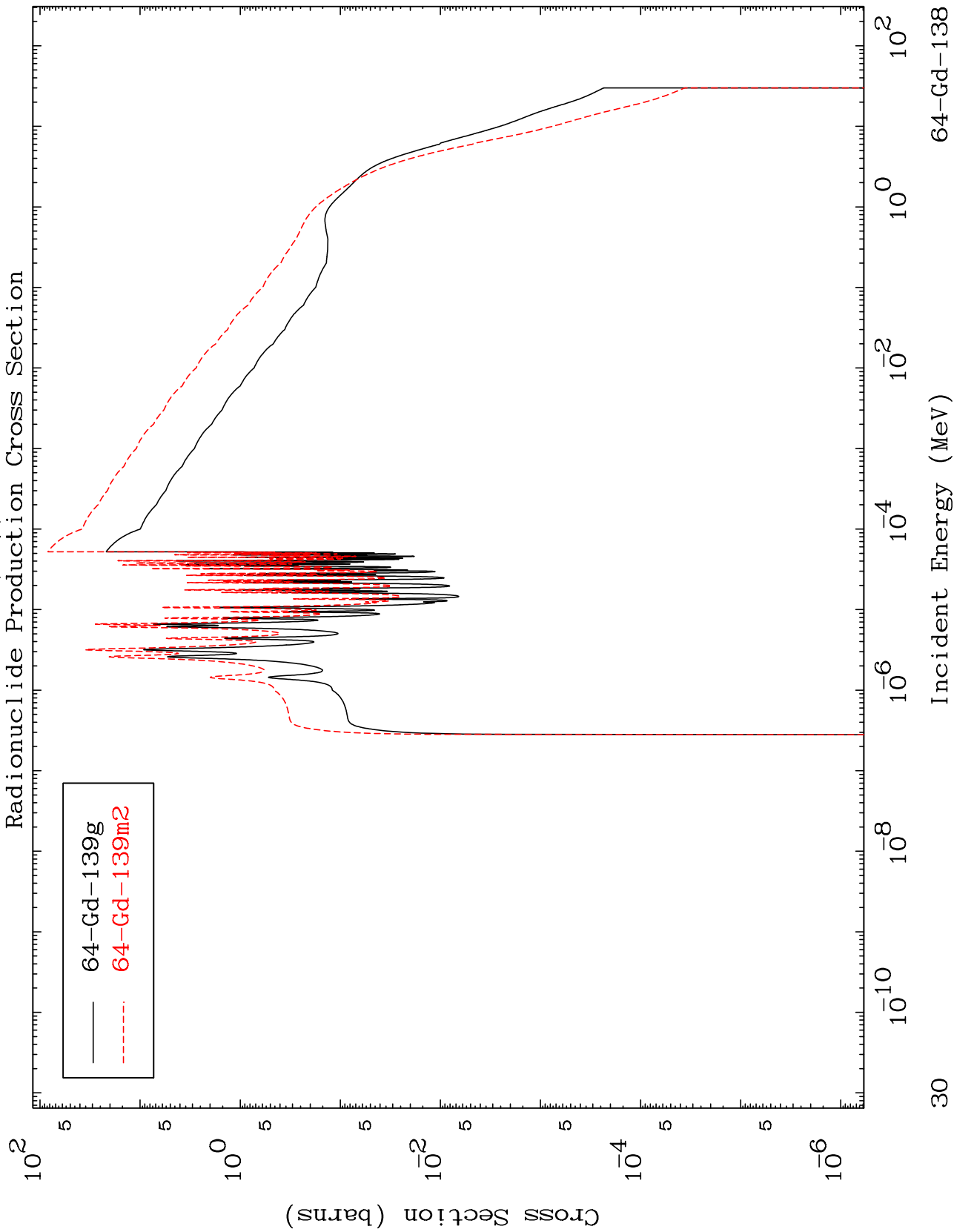
Radionuclide Production Cross Section



MAT 6383

64-Gd-138

(n,  $\gamma$ )  
Radionuclide Production Cross Section



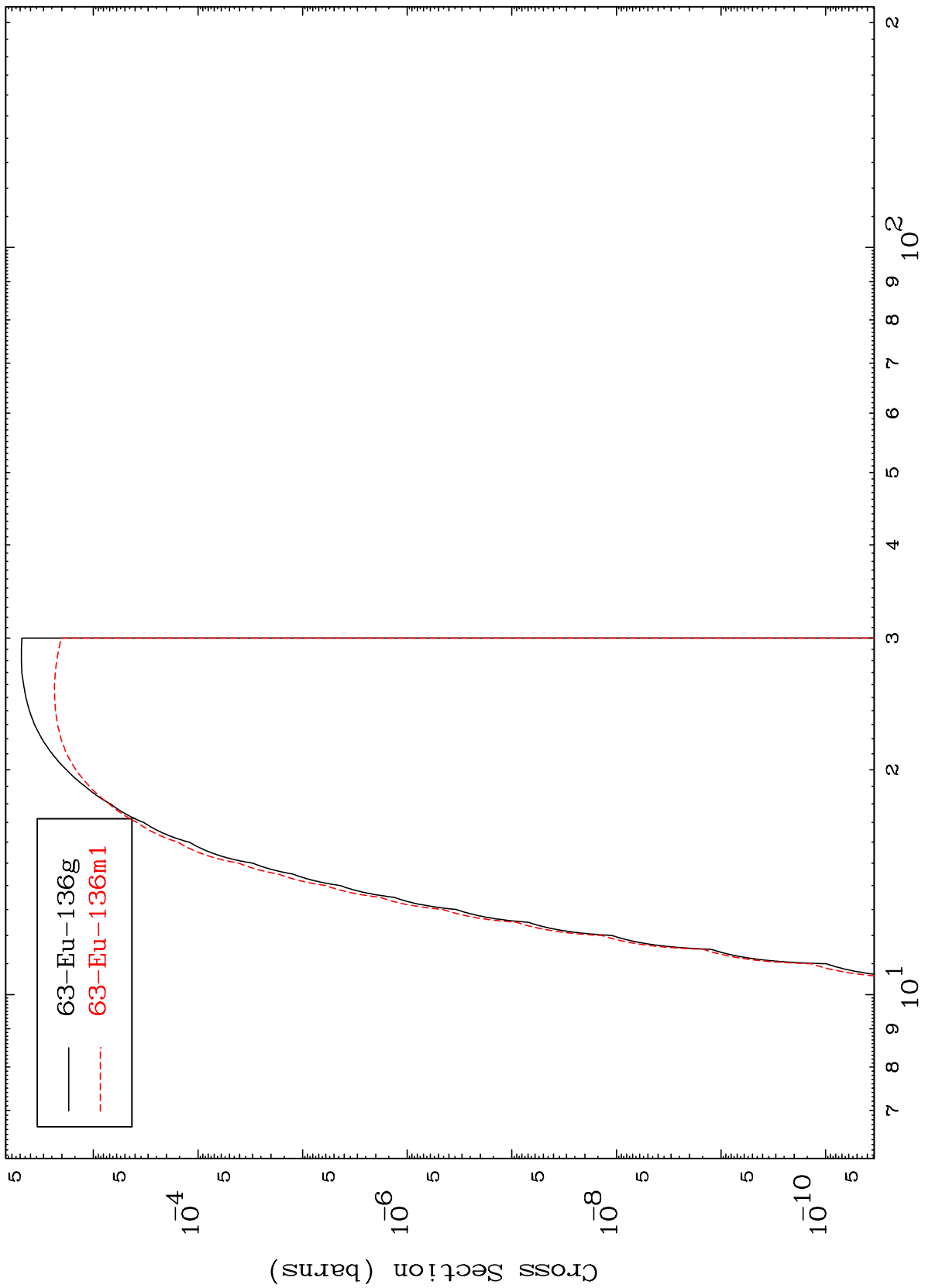
30

64-Gd-138

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64-Gd-138

(n, t)  
Radionuclide Production Cross Section



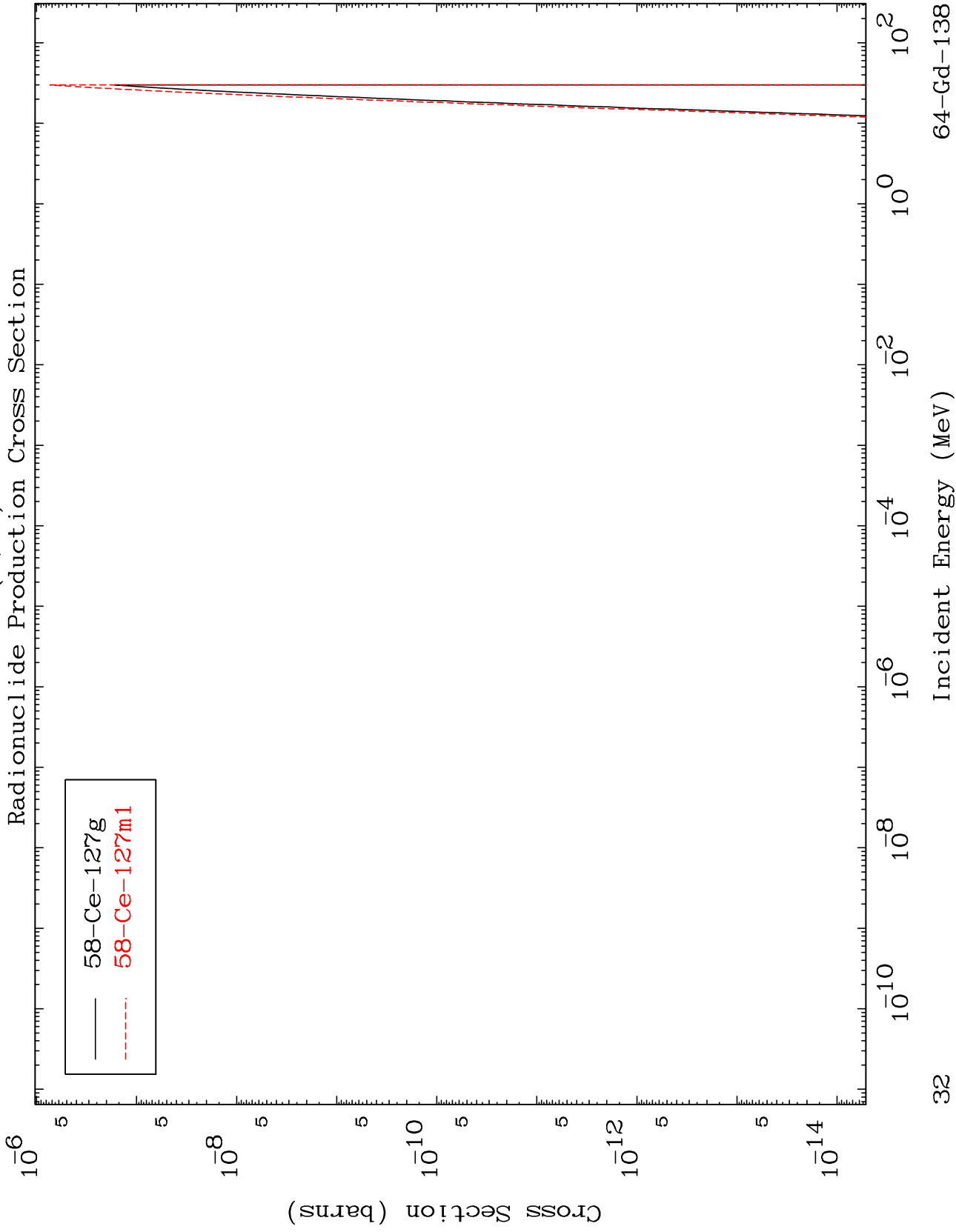


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(n, 3α)

64-Gd-138

Radionuclide Production Cross Section



32

Incident Energy (MeV)

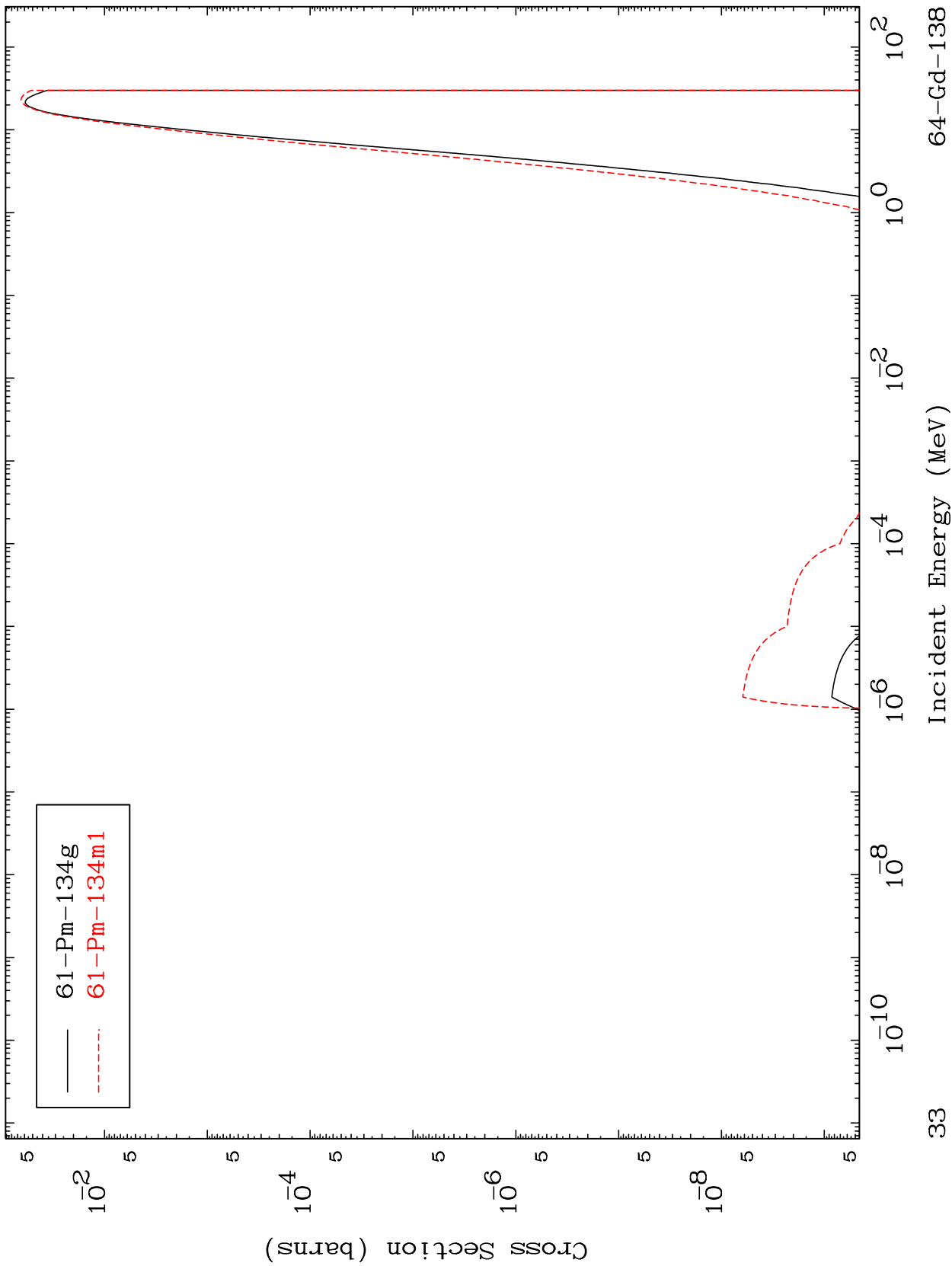
64-Gd-138

MAT 6383

(n,p)  $\alpha$

64-Gd-138

Radionuclide Production Cross Section



MAT 6383

(n,d)  $\alpha$

64-Gd-138

Radionuclide Production Cross Section

