

Program EVALPLOT  
(Version 2015-2)

by

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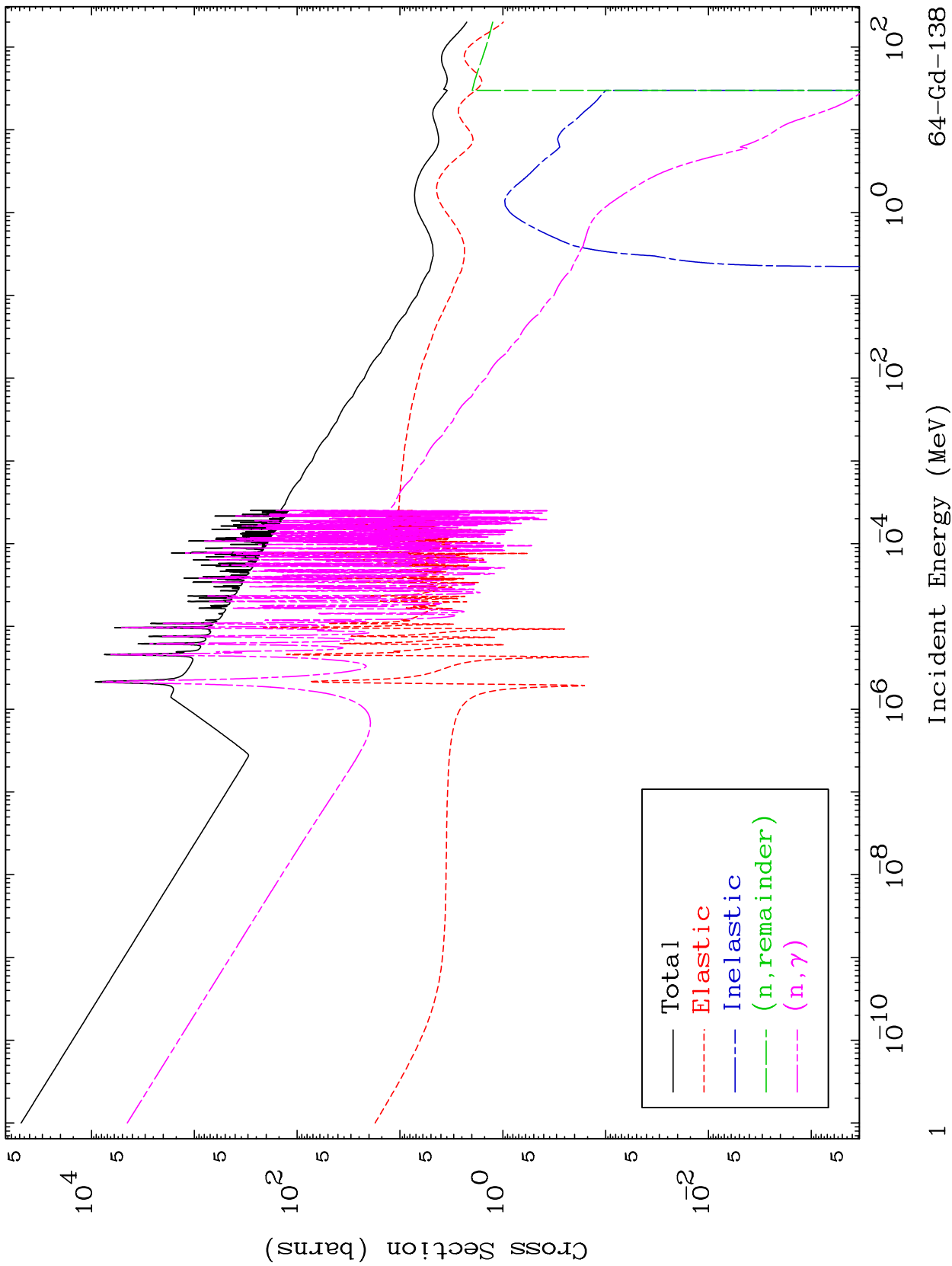
Press Mouse Button to Start

MAT 6383

Major

293 Kelvin Cross Sections

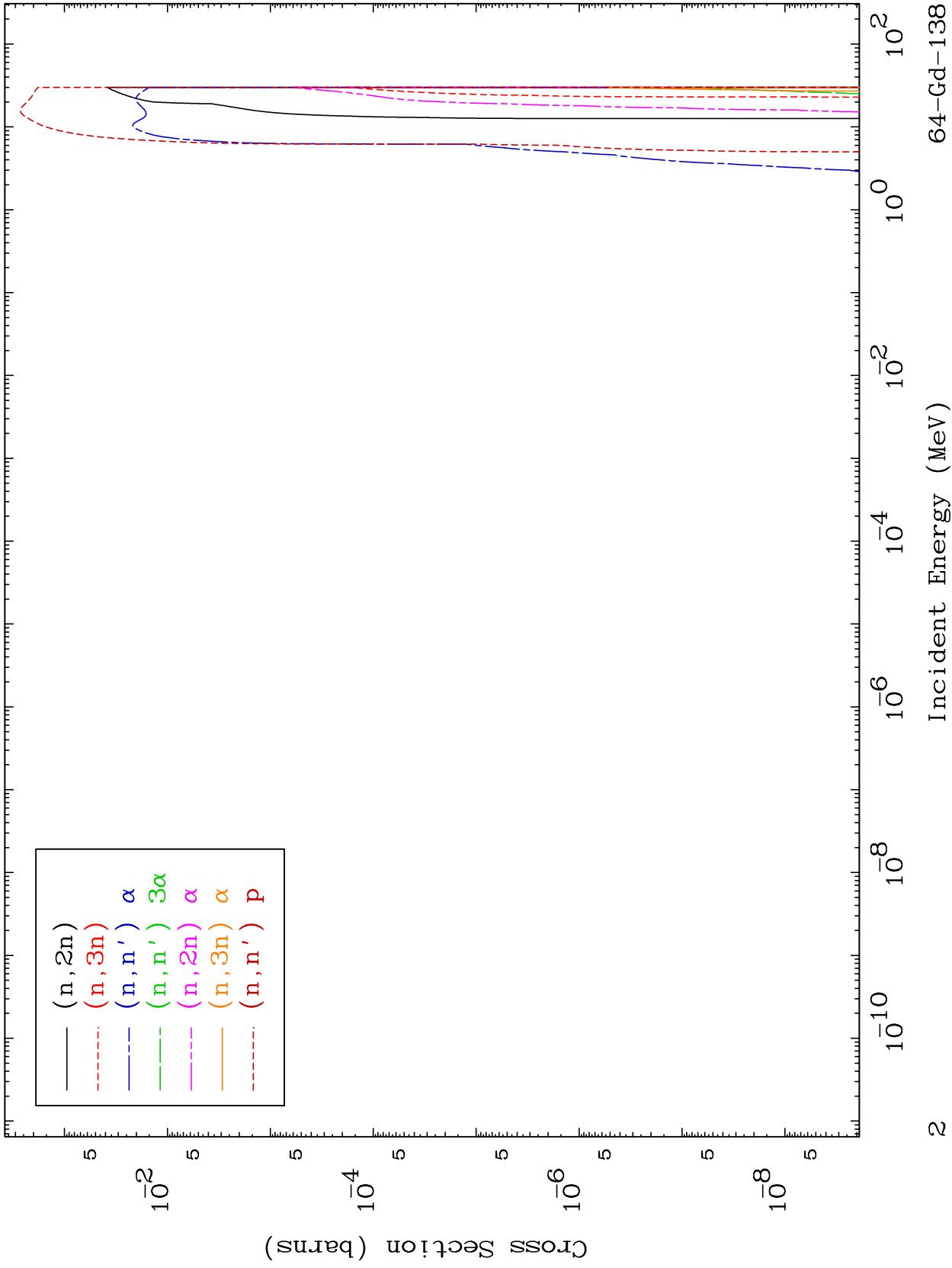
64-Gd-138



MAT 6383

Neutron Production  
293 Kelvin Cross Sections

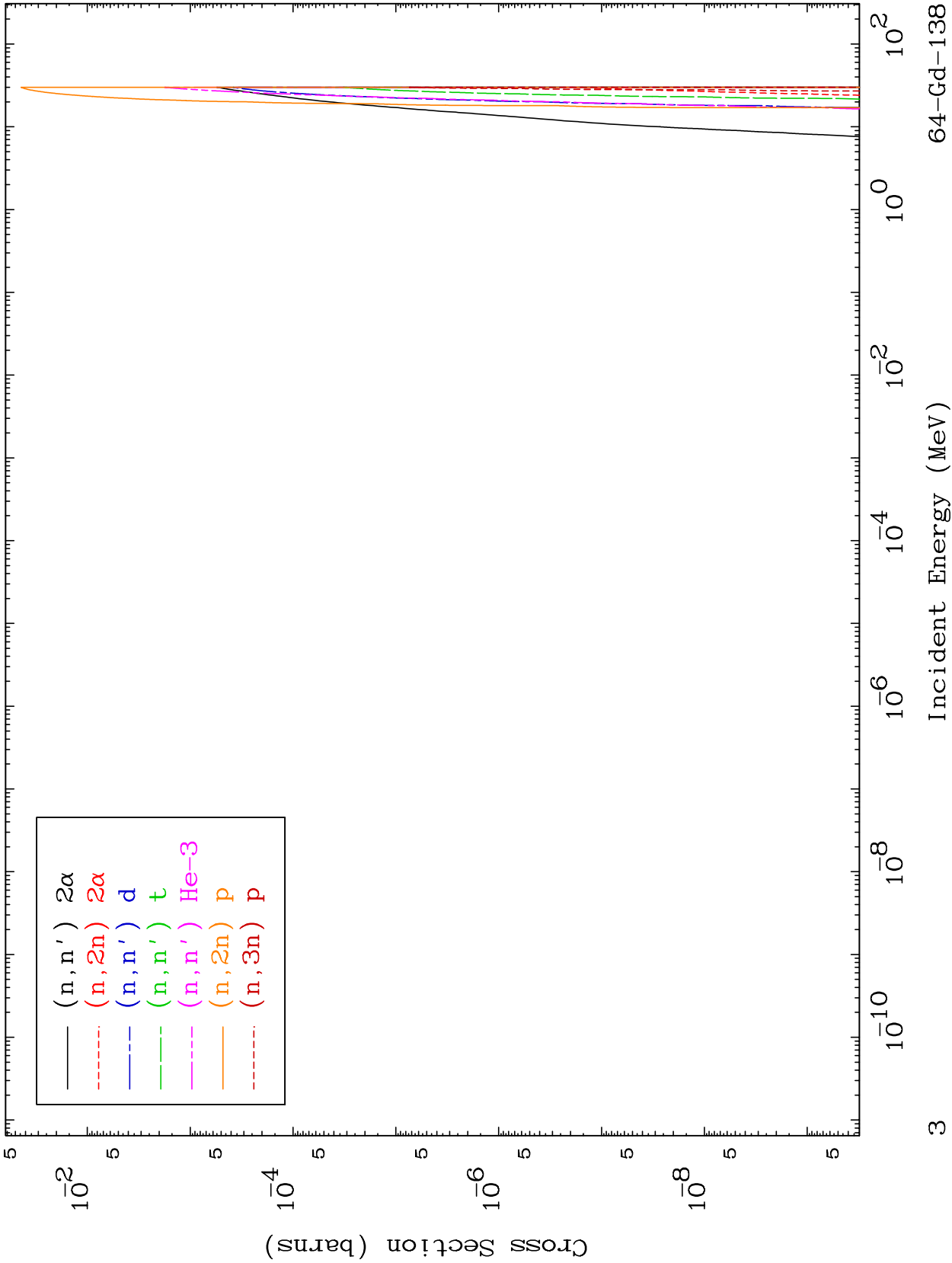
64-Gd-138



MAT 6383

Neutron Production  
293 Kelvin Cross Sections

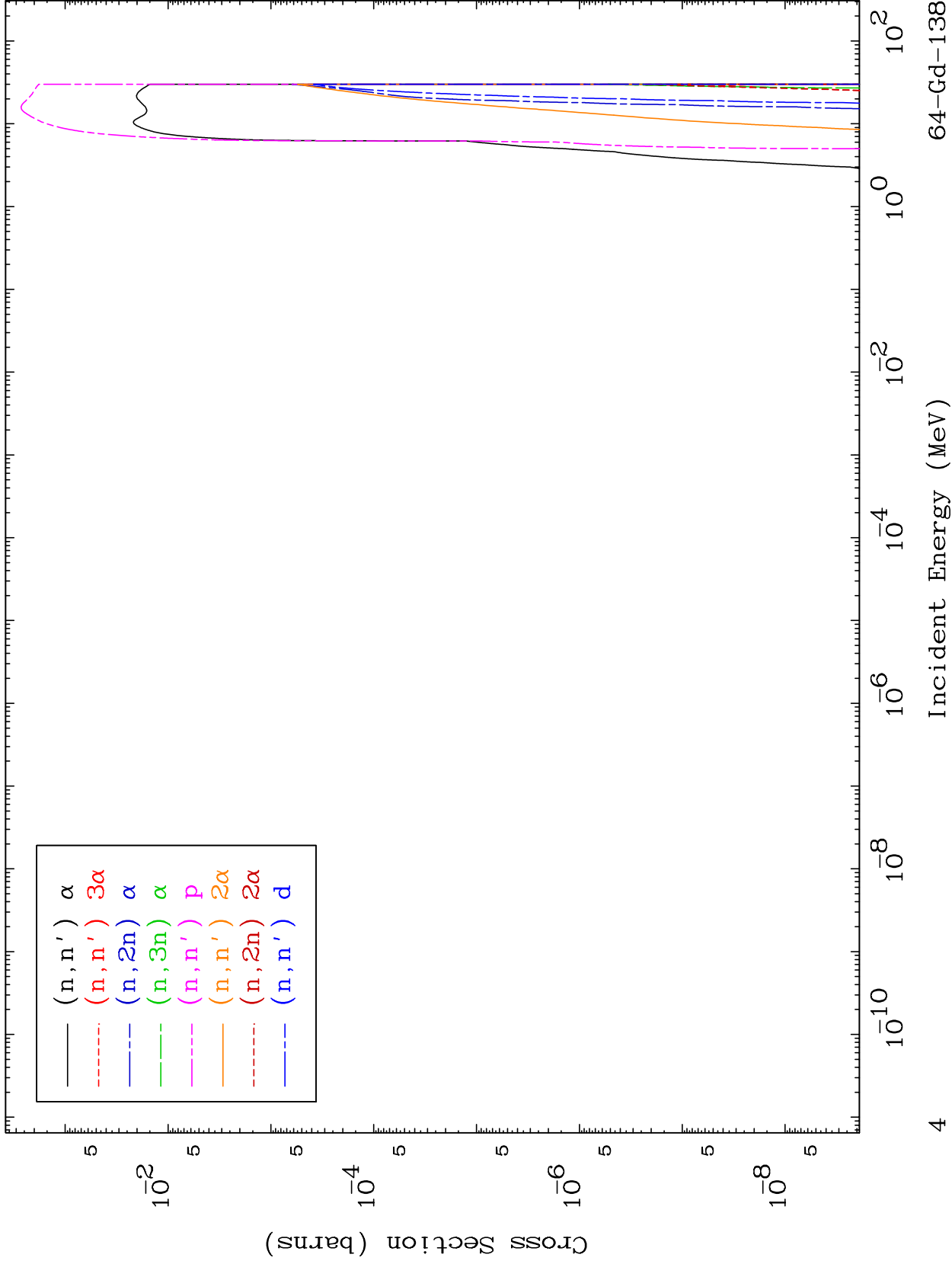
64-Gd-138



MAT 6383

Charged Particle  
293 Kelvin Cross Sections

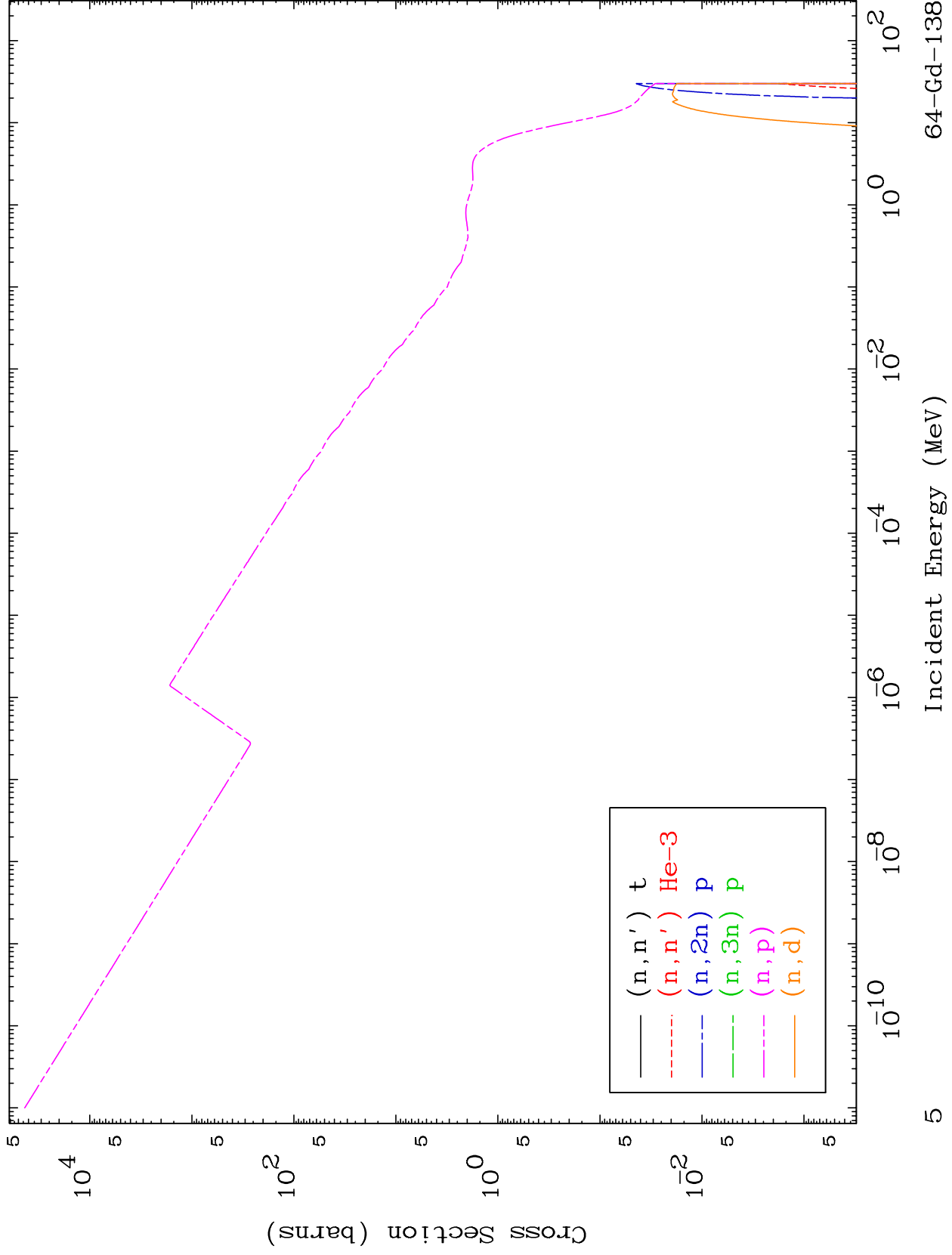
64-Gd-138



MAT 6383

Charged Particle  
293 Kelvin Cross Sections

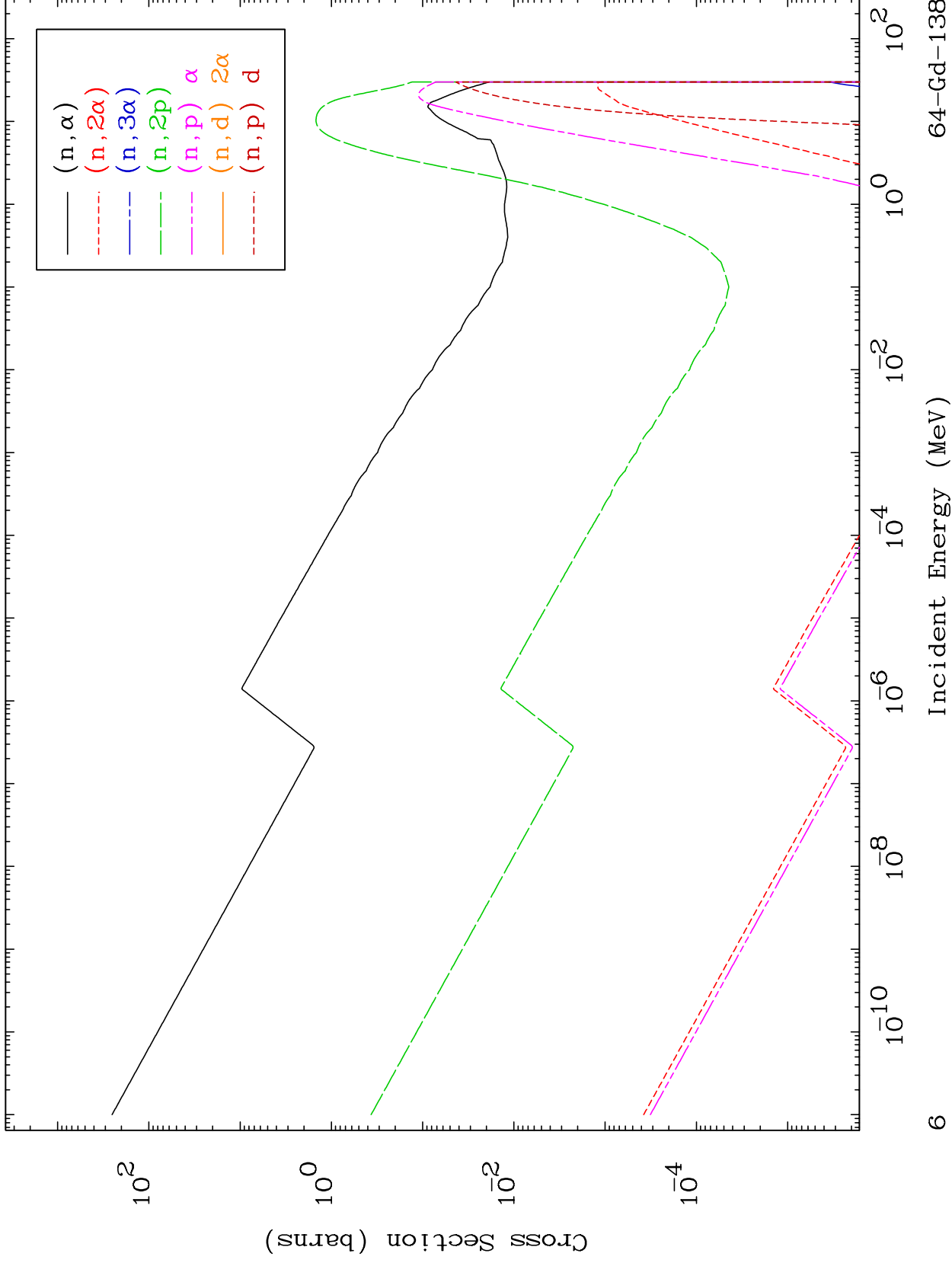
64-Gd-138



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Charged Particle  
293 Kelvin Cross Sections

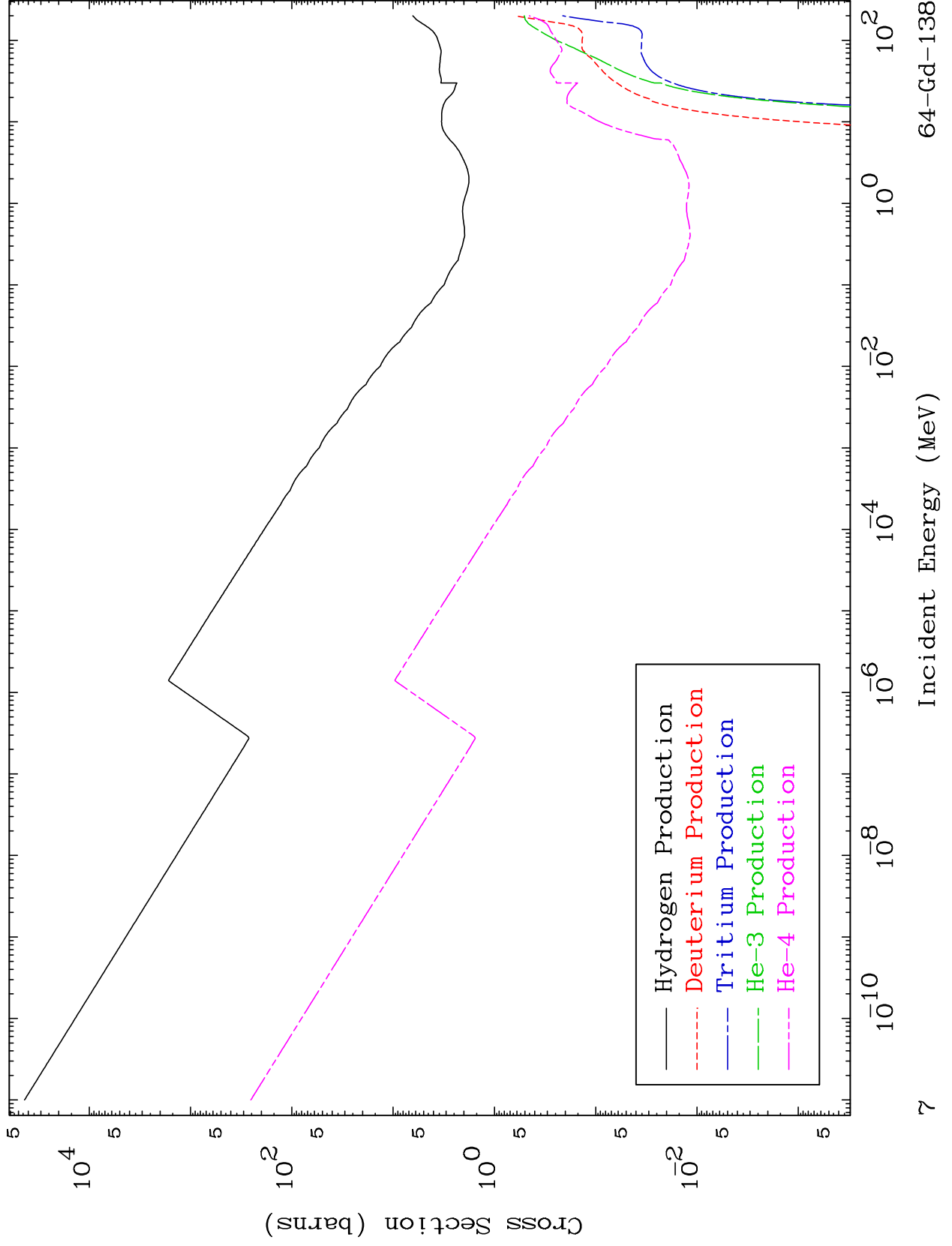
64-Gd-138



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Particle Production  
293 Kelvin Cross Sections

64-Gd-138

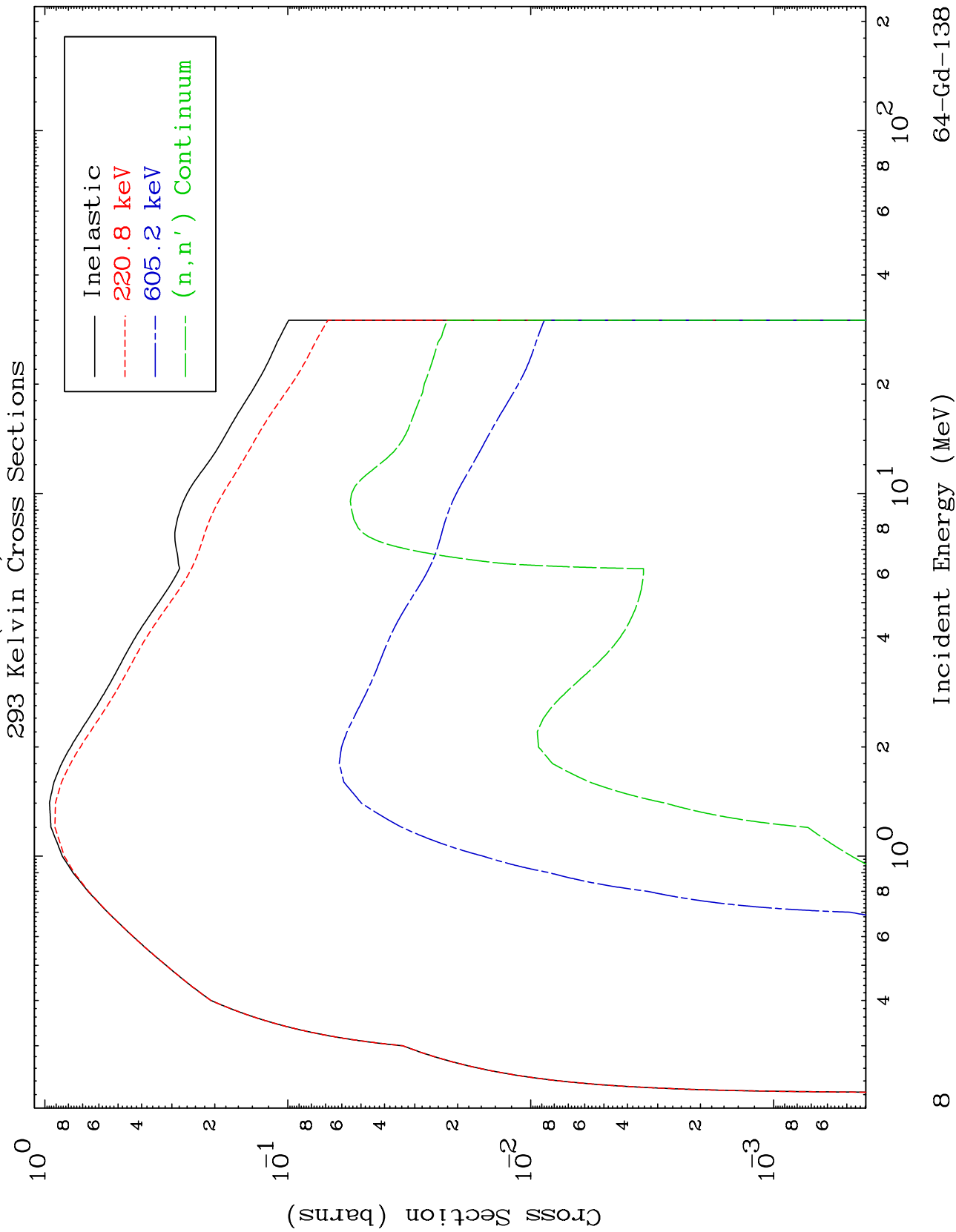




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(n,n') Level

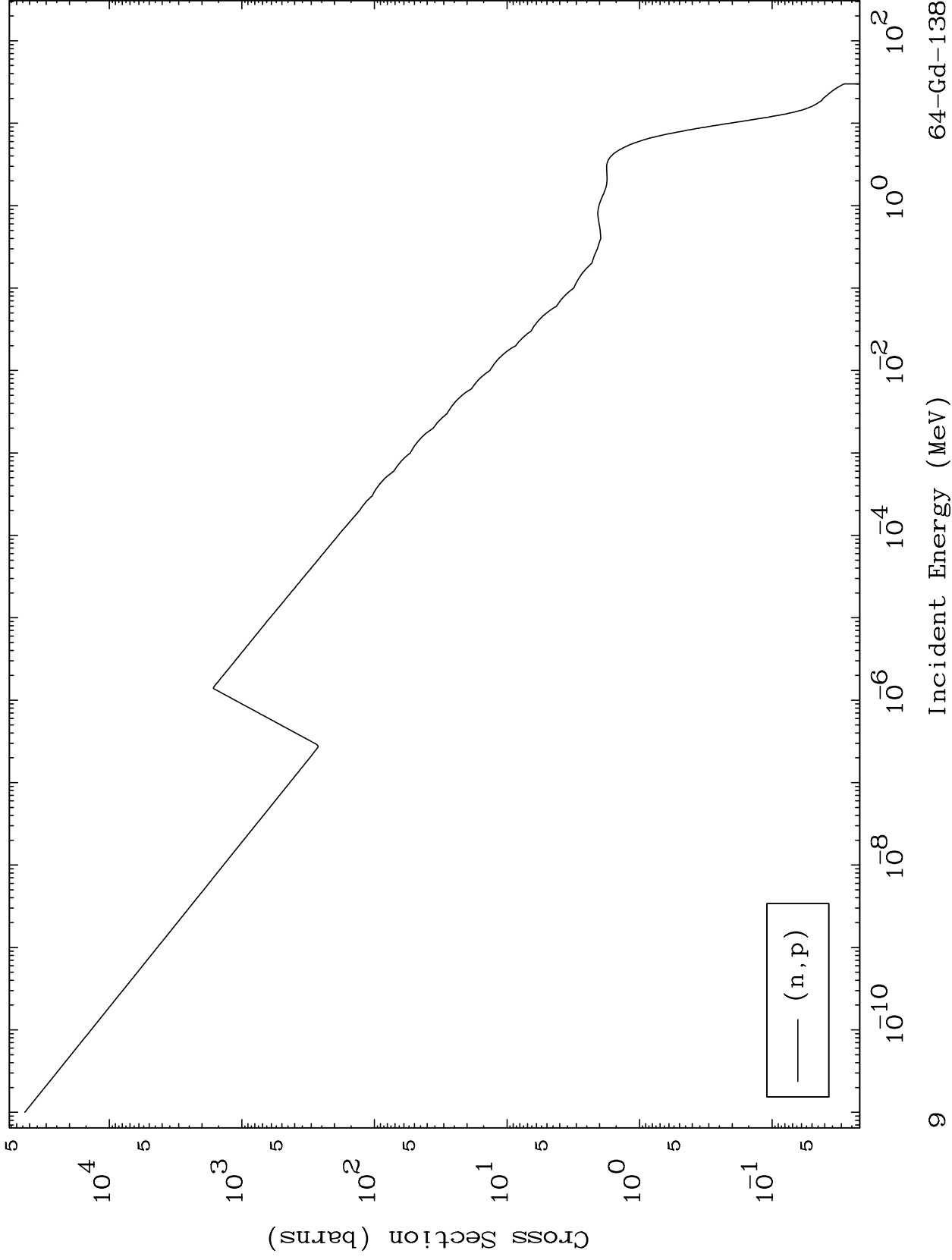
64-Gd-138



MAT 6383

(n,p) Levels  
293 Kelvin Cross Sections

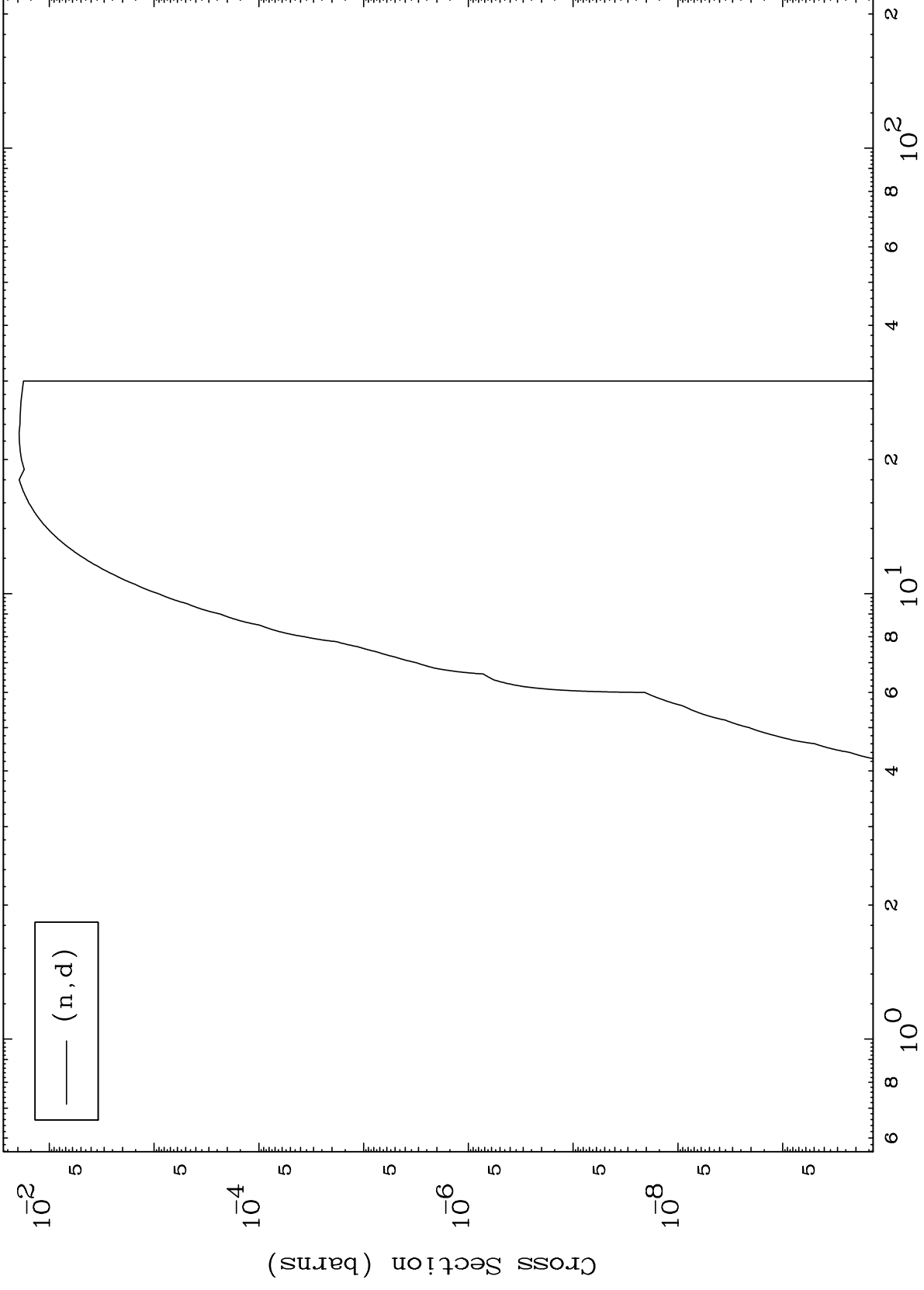
64-Gd-138



MAT 6383

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-138



10

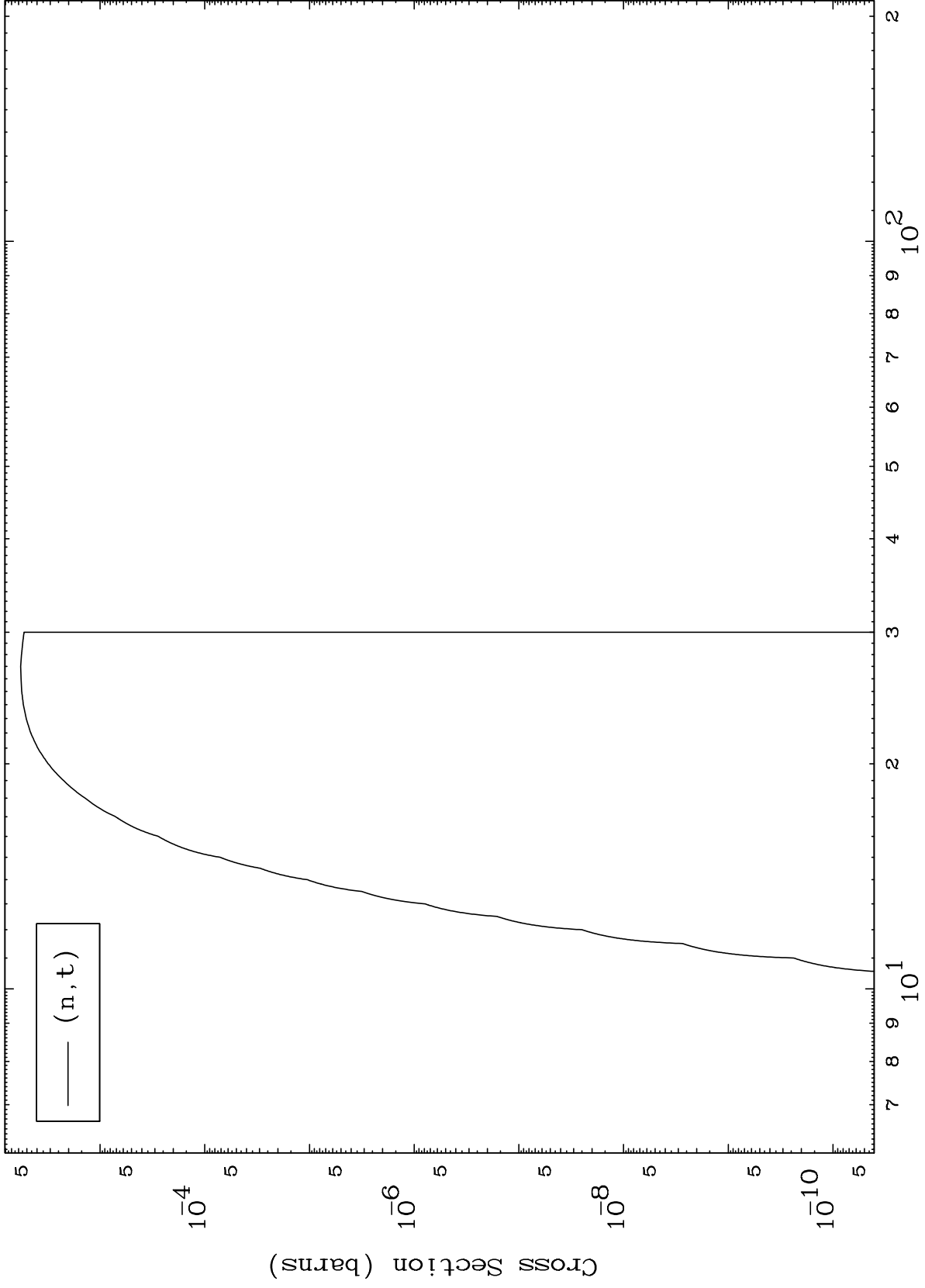
Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,t) Levels  
293 Kelvin Cross Sections

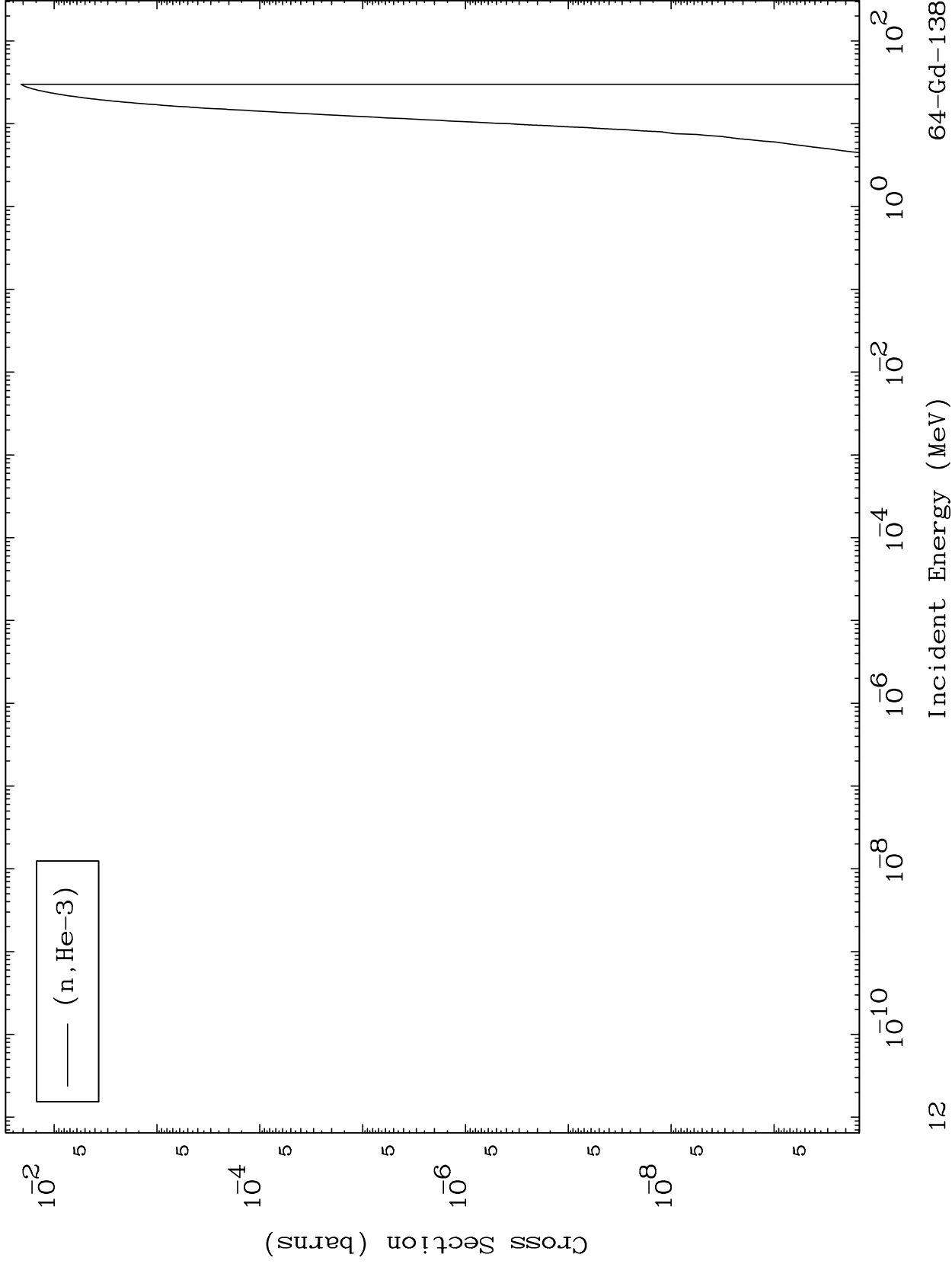
64-Gd-138



MAT 6383

(n,He3) Levels  
293 Kelvin Cross Sections

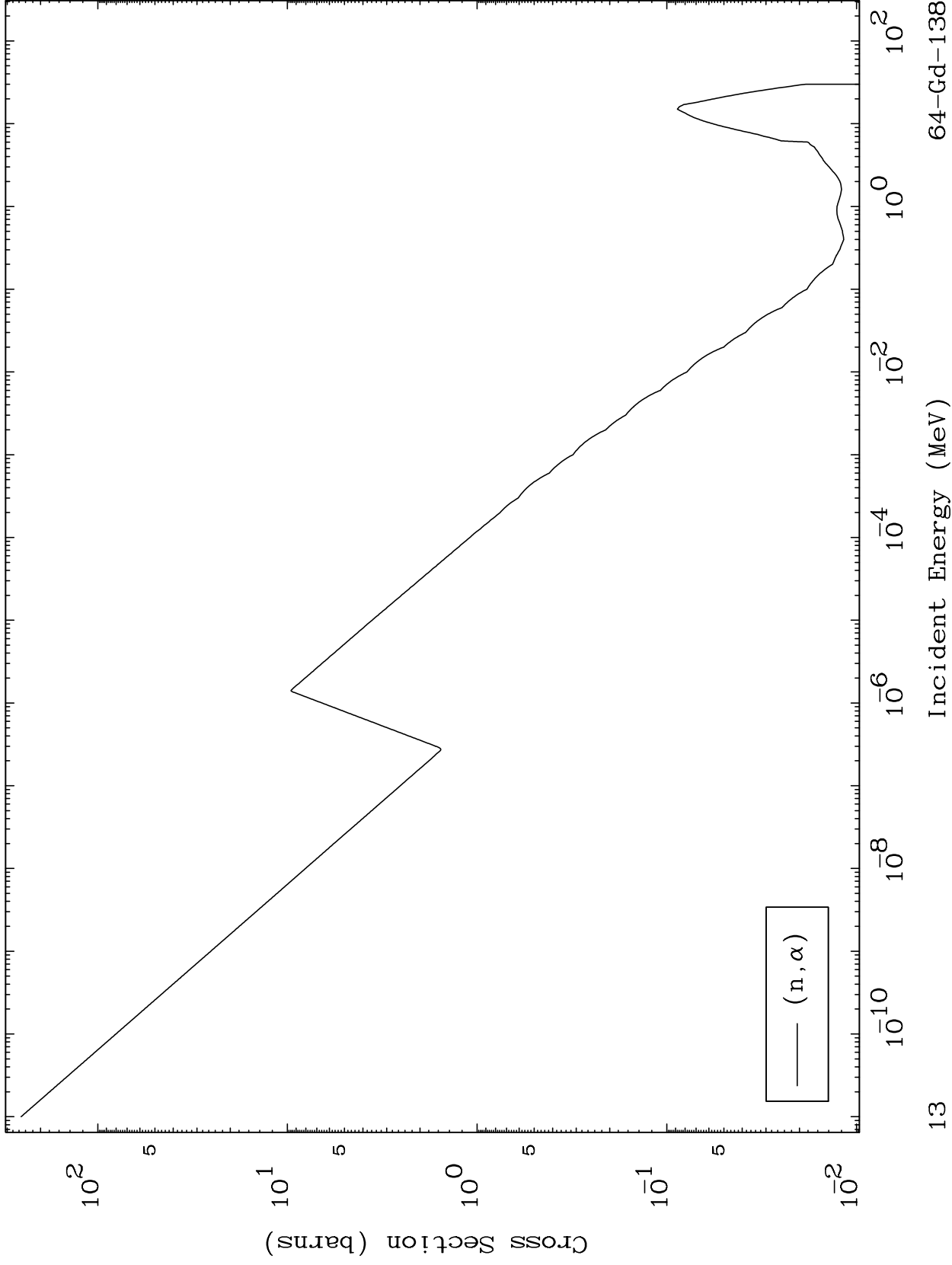
64-Gd-138

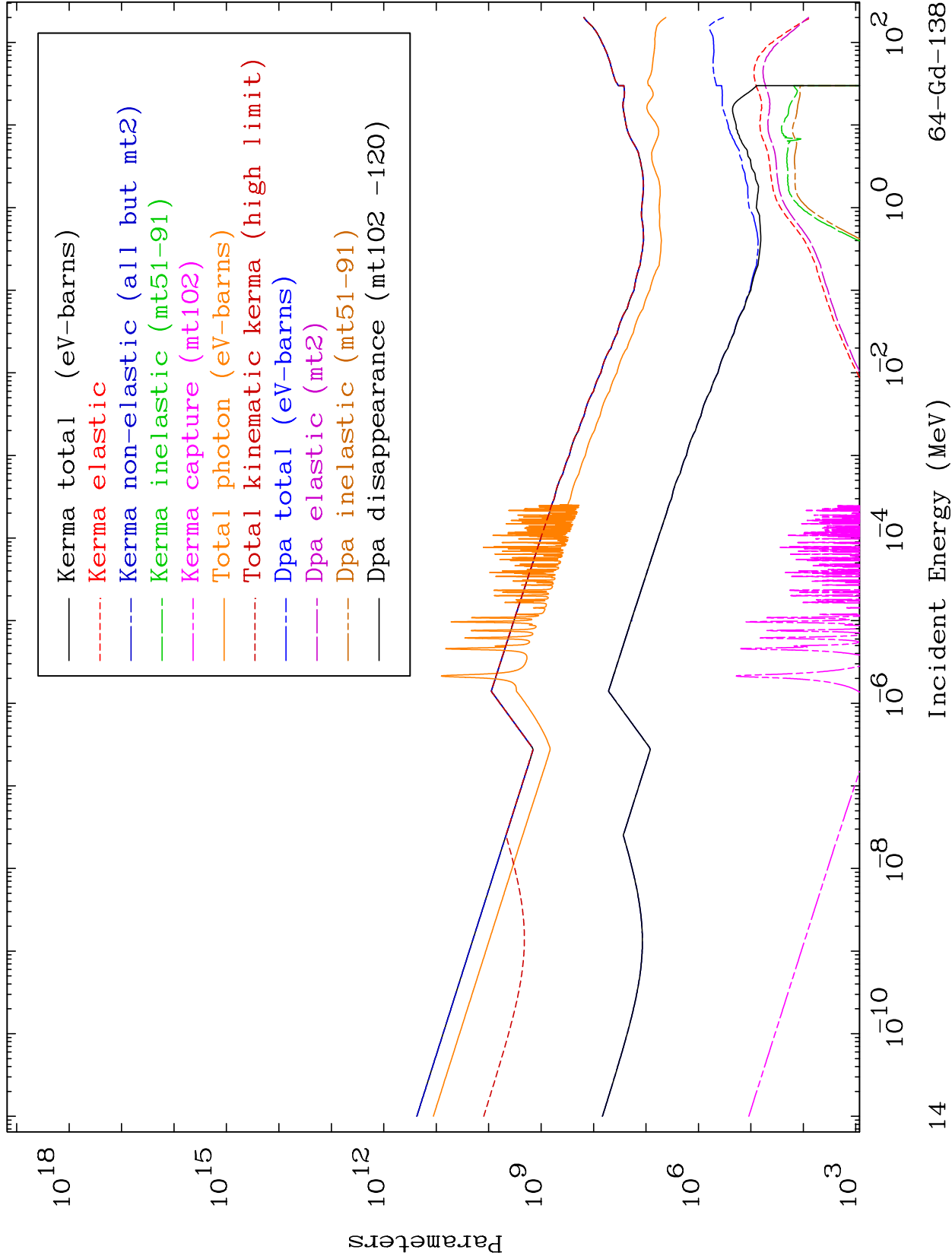


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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

64-Gd-138

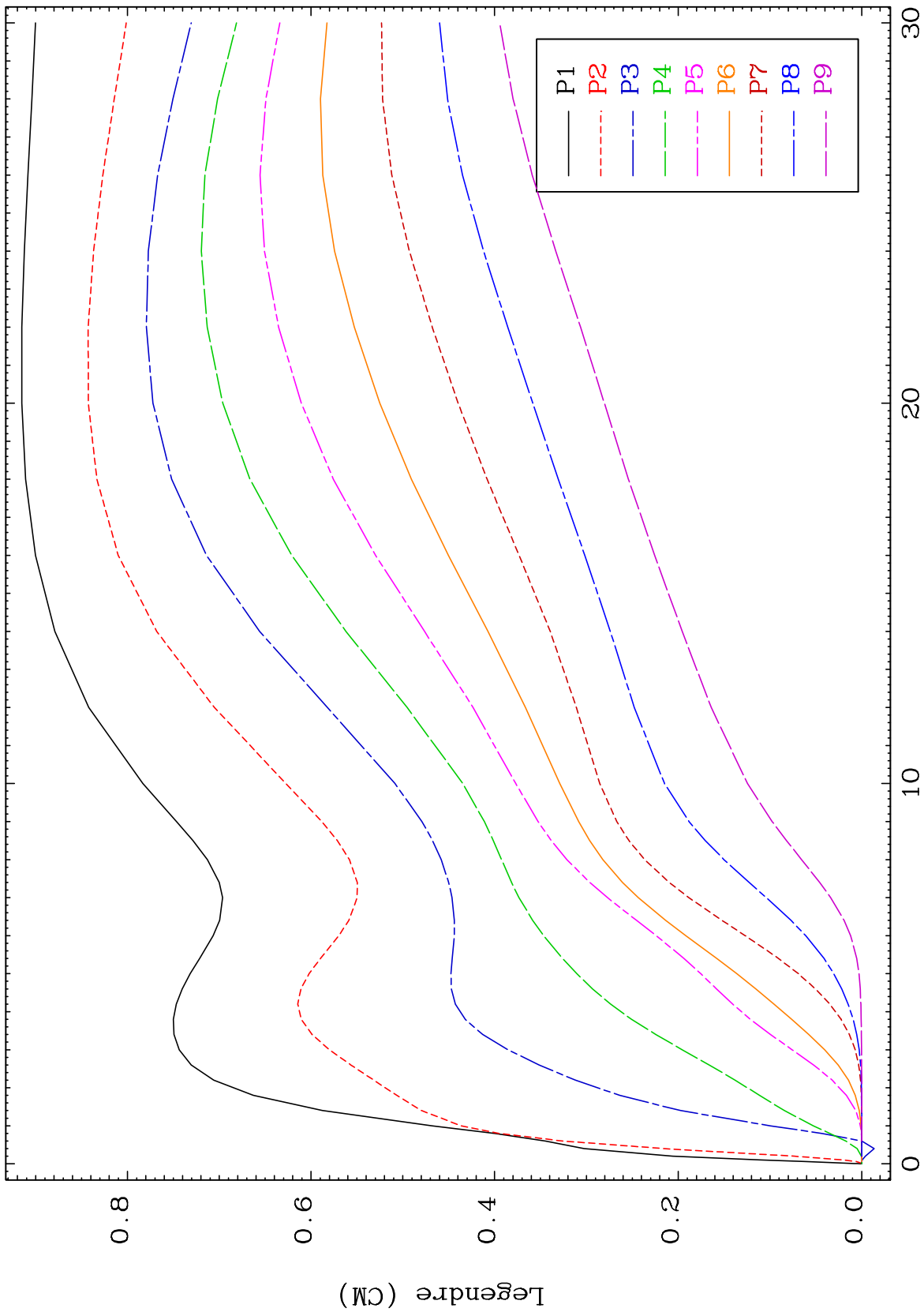




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Elastic Legendre Coefficients

64-Gd-138



15

Incident Energy (MeV)

64-Gd-138

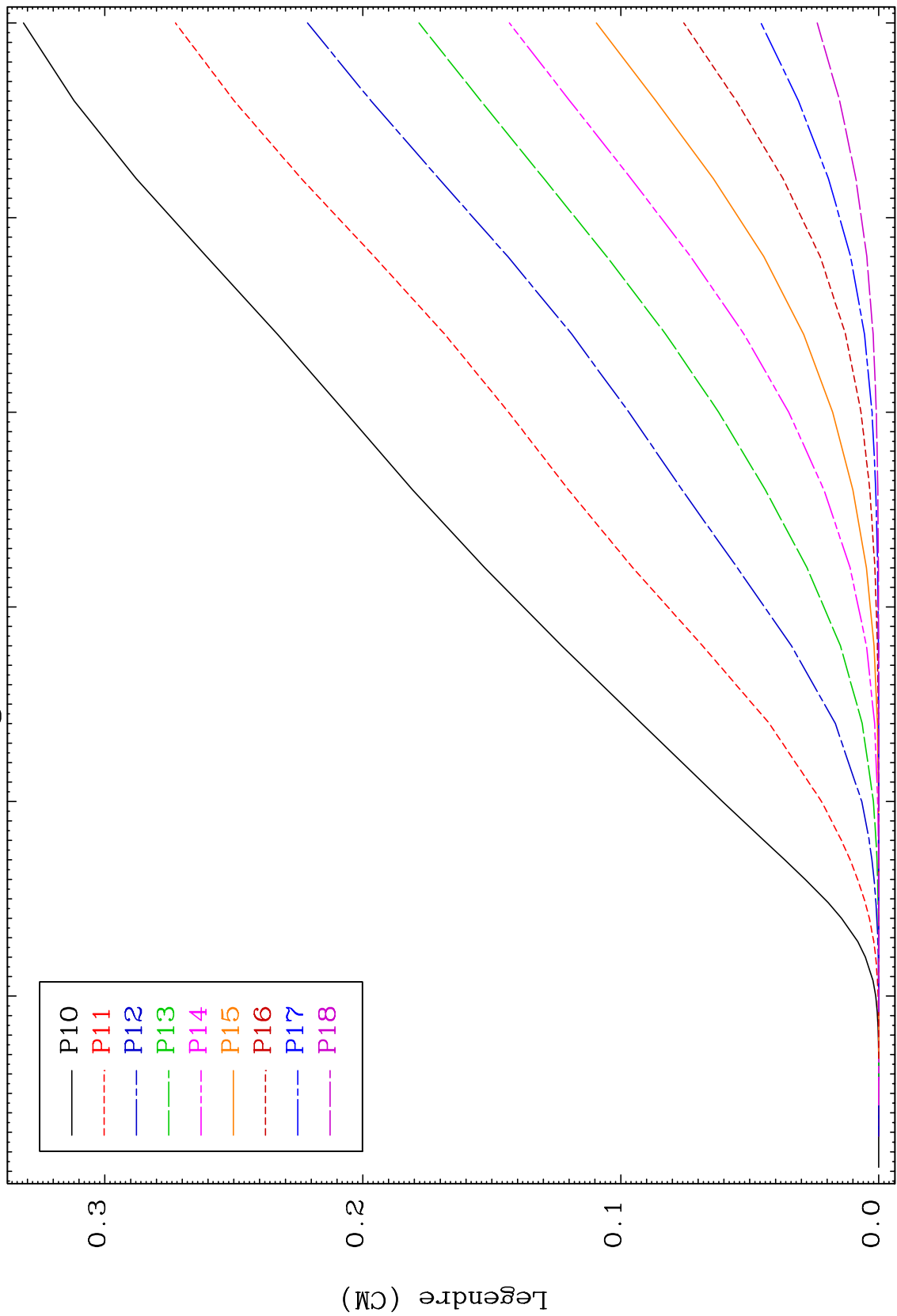
30



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Elastic  
Legendre Coefficients

64-Gd-138



16

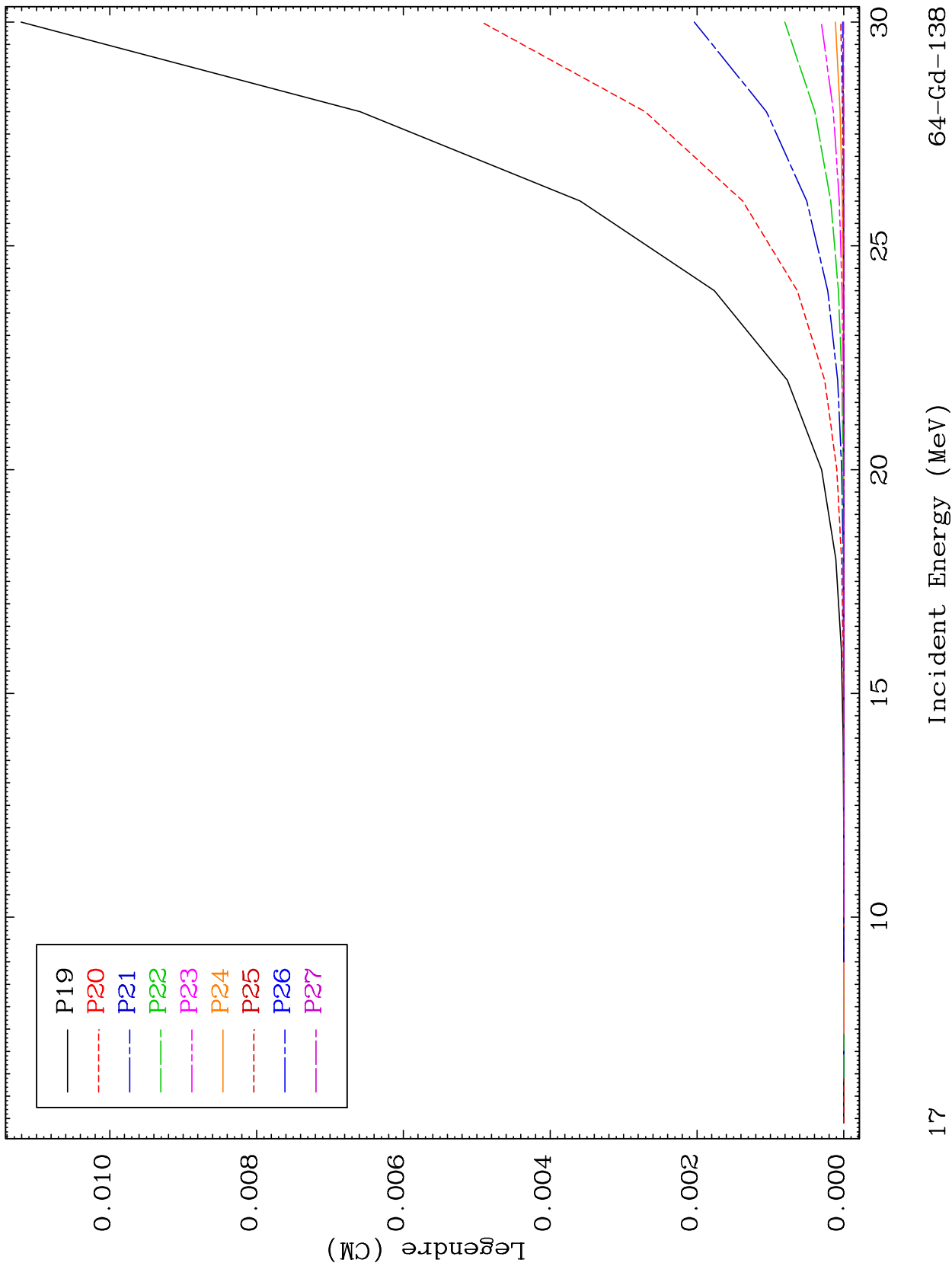
Incident Energy (MeV)

64-Gd-138

MAT 6383

Elastic Legendre Coefficients

64-Gd-138



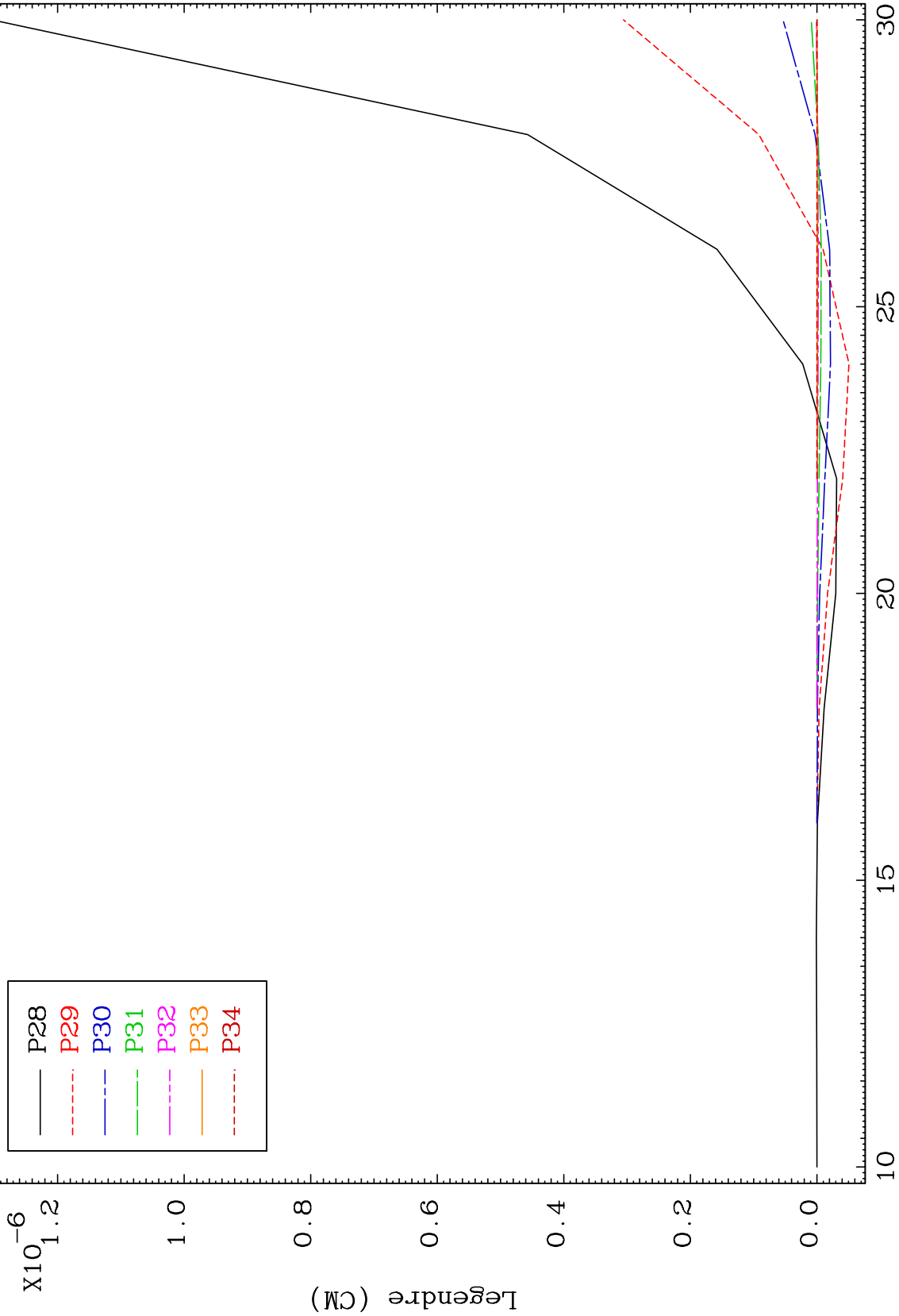
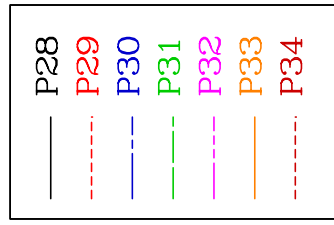
17

64-Gd-138

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Elastic Legendre Coefficients

64-Gd-138



64-Gd-138

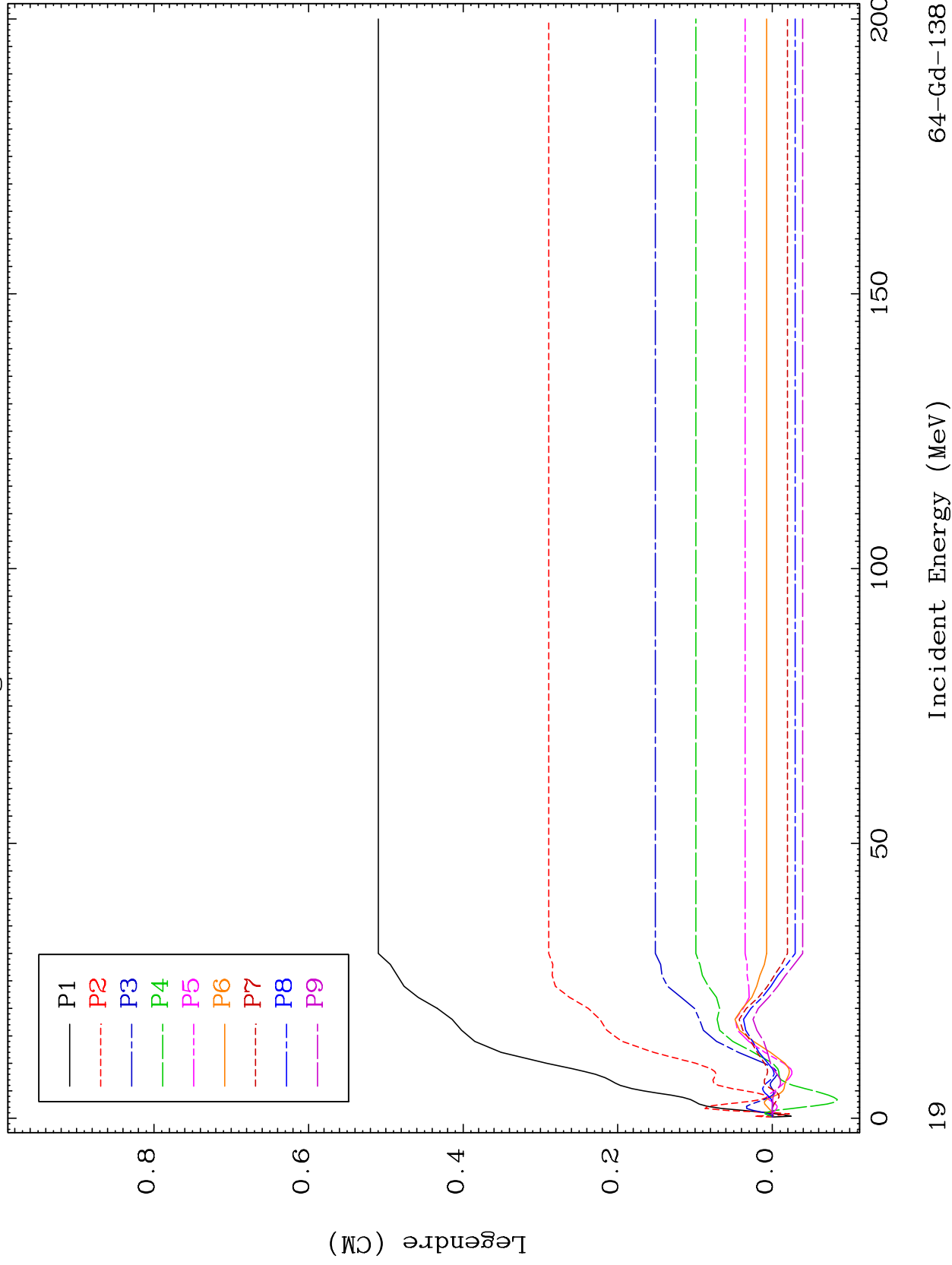
Incident Energy (MeV)

18

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220.8 keV (n,n') Level  
Legendre Coefficients

64-Gd-138



64-Gd-138

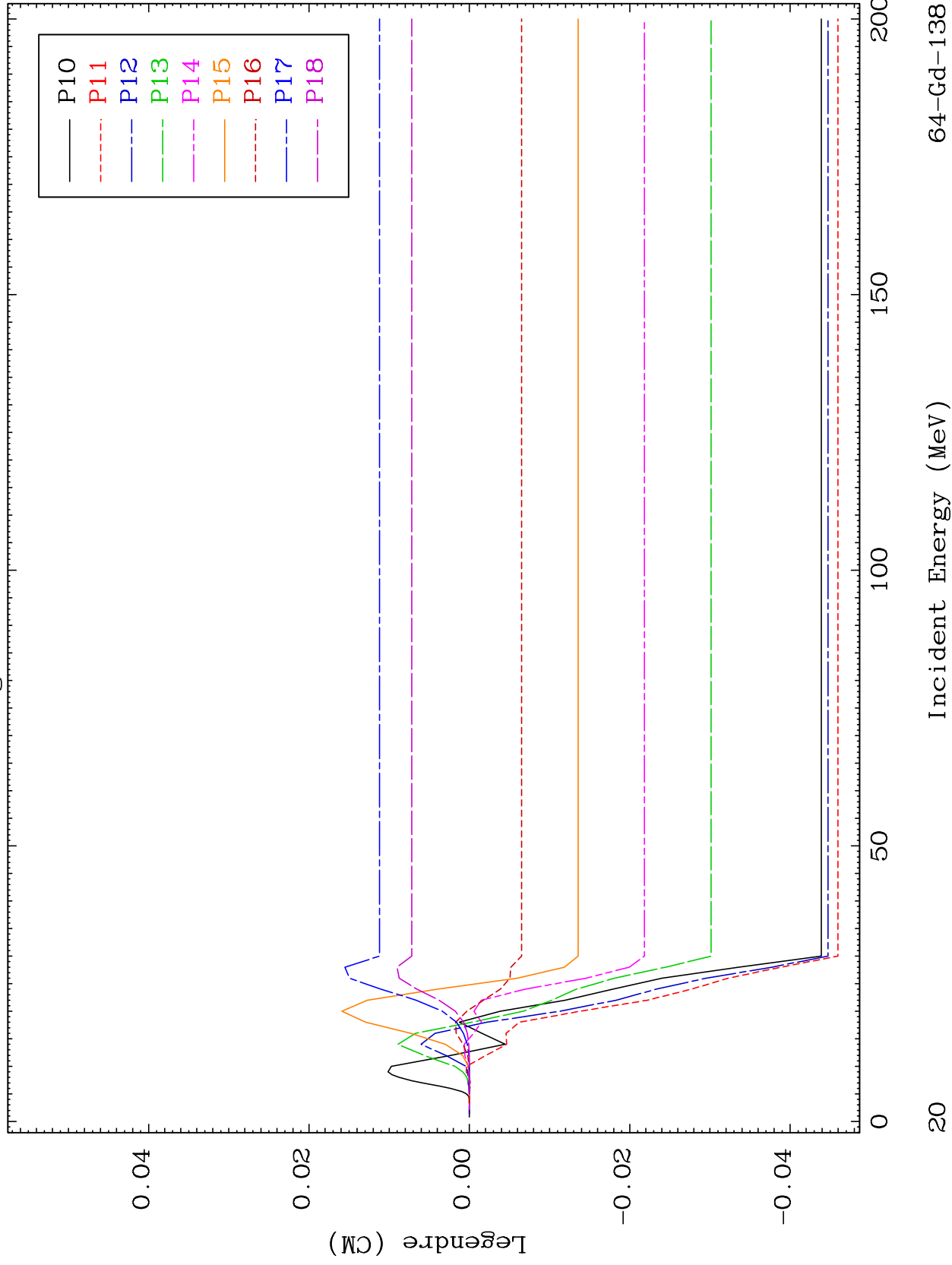
Incident Energy (MeV)

19

MAT 6383

220.8 keV (n,n') Level  
Legendre Coefficients

64-Gd-138



64-Gd-138

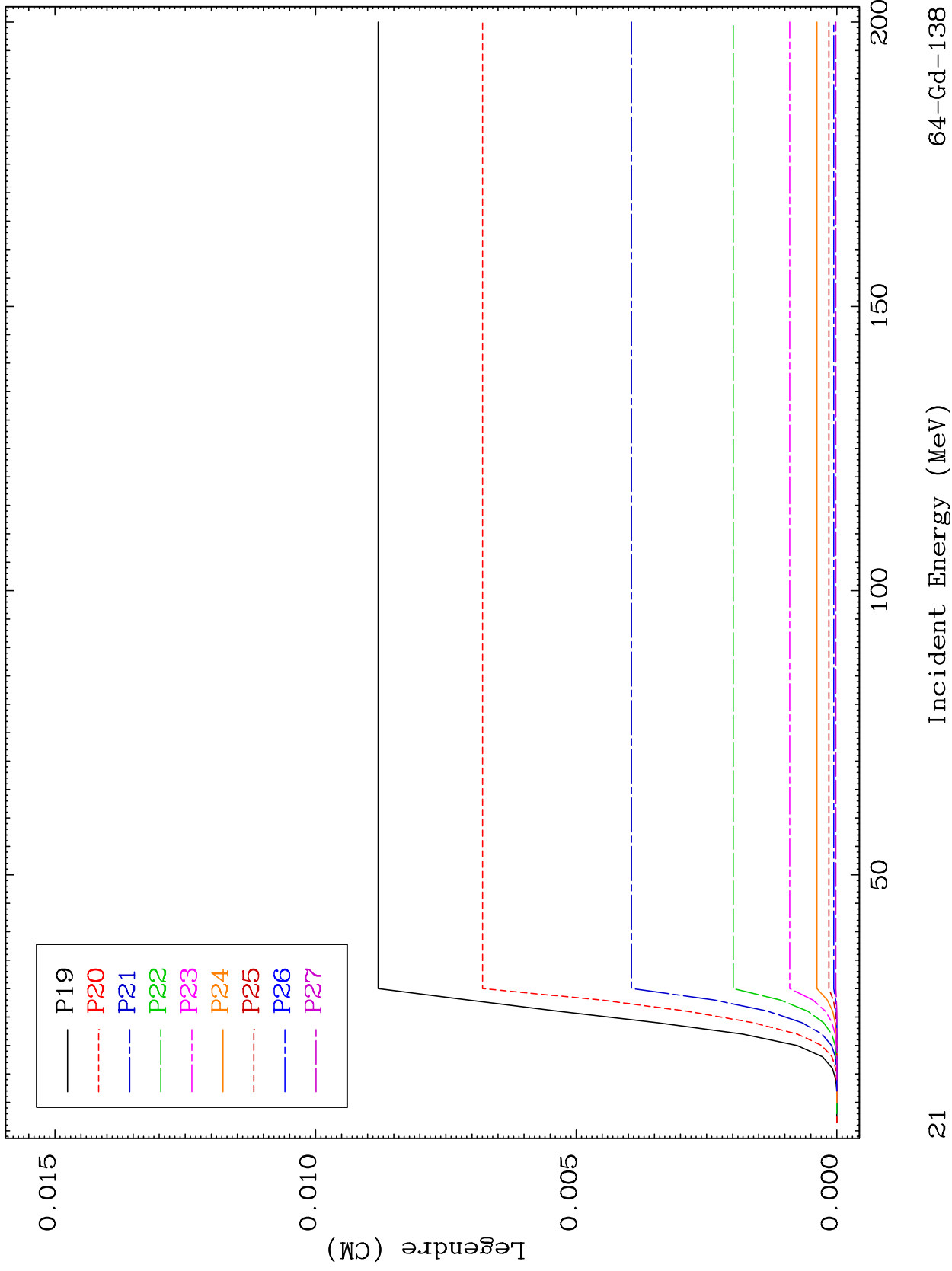
Incident Energy (MeV)

20

MAT 6383

220.8 keV (n,n') Level  
Legendre Coefficients

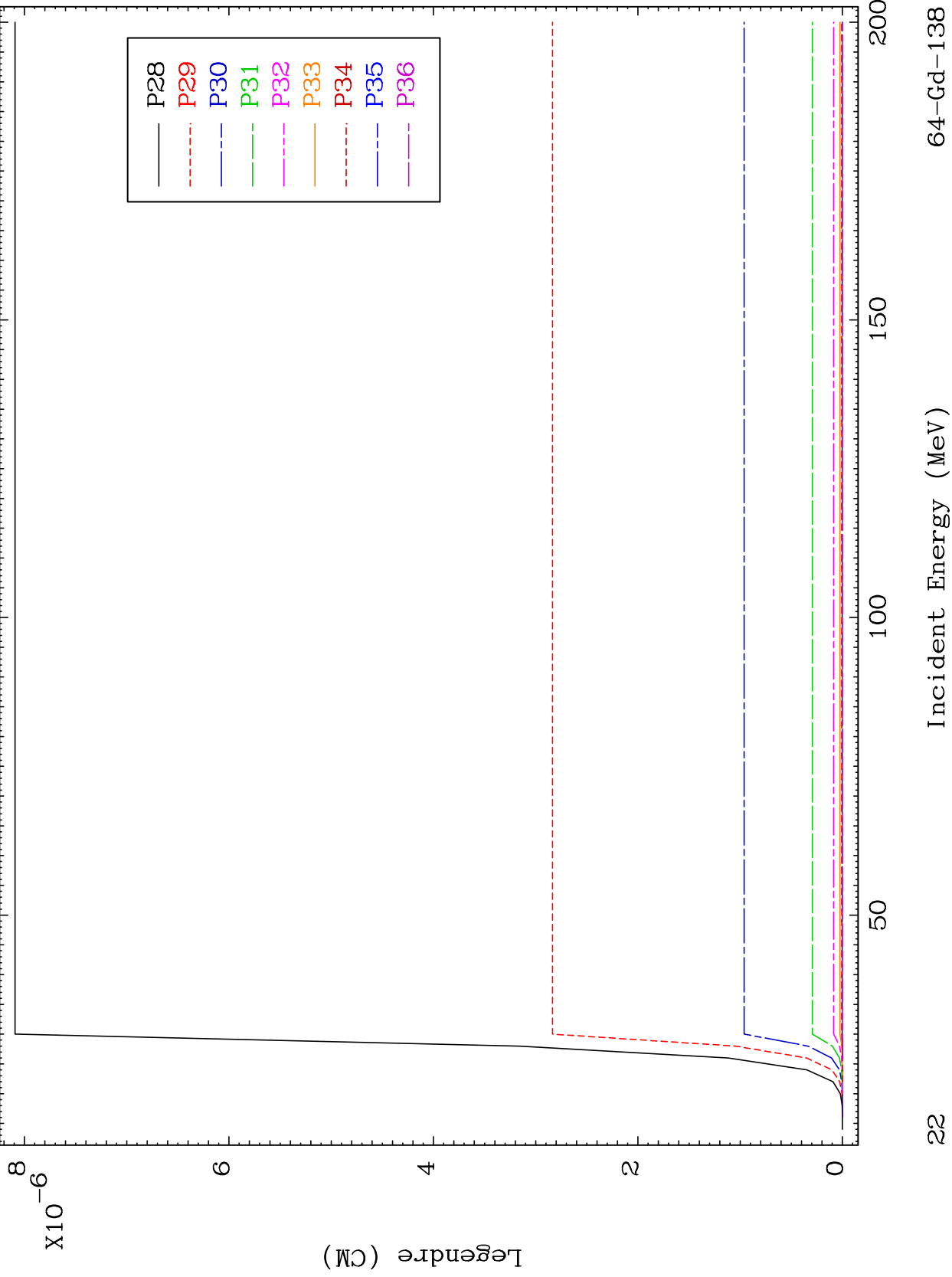
64-Gd-138



MAT 6383

220.8 keV (n,n') Level  
Legendre Coefficients

64-Gd-138



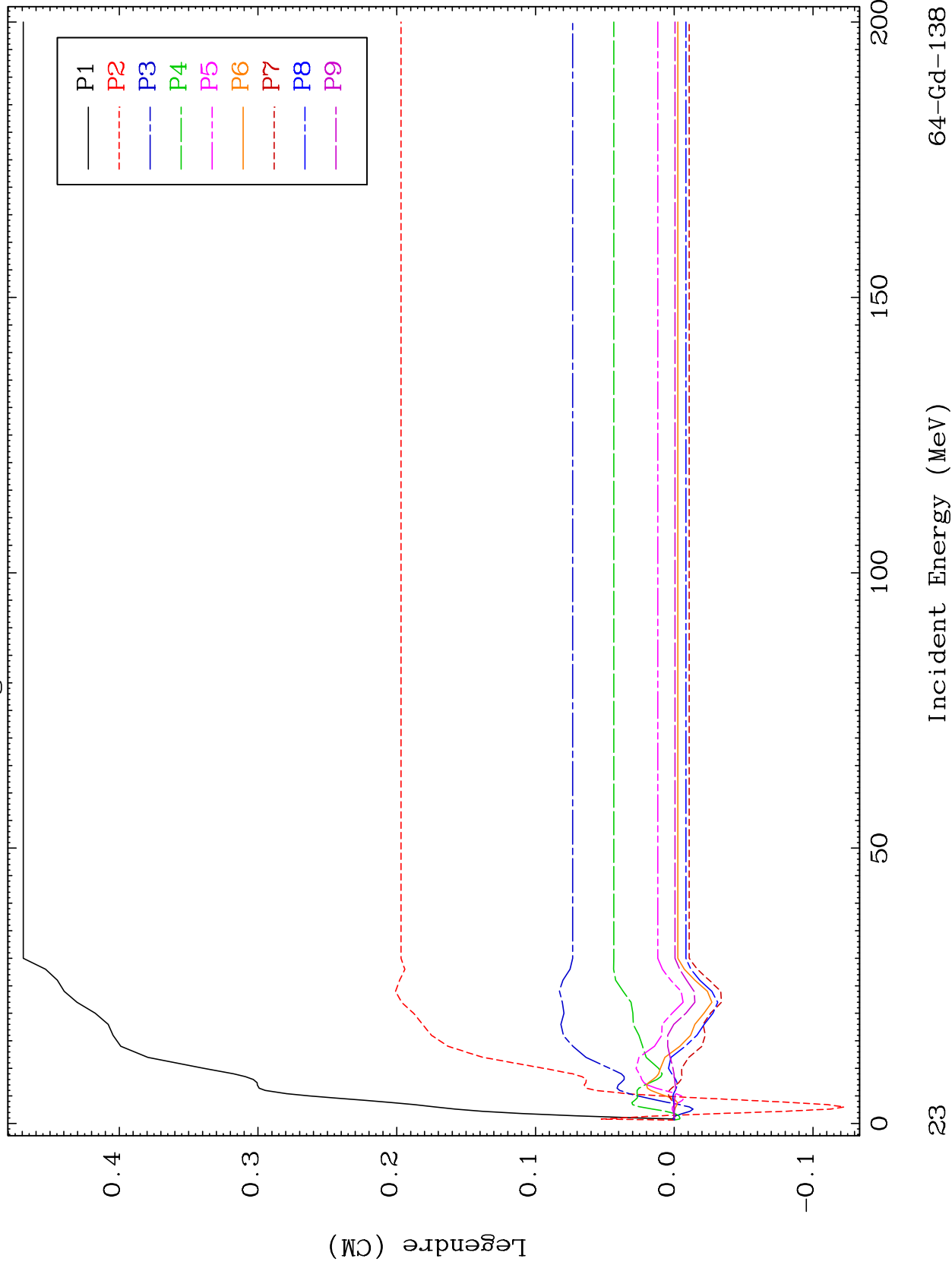
22

64-Gd-138

MAT 6383

605.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-138



64-Gd-138

Incident Energy (MeV)

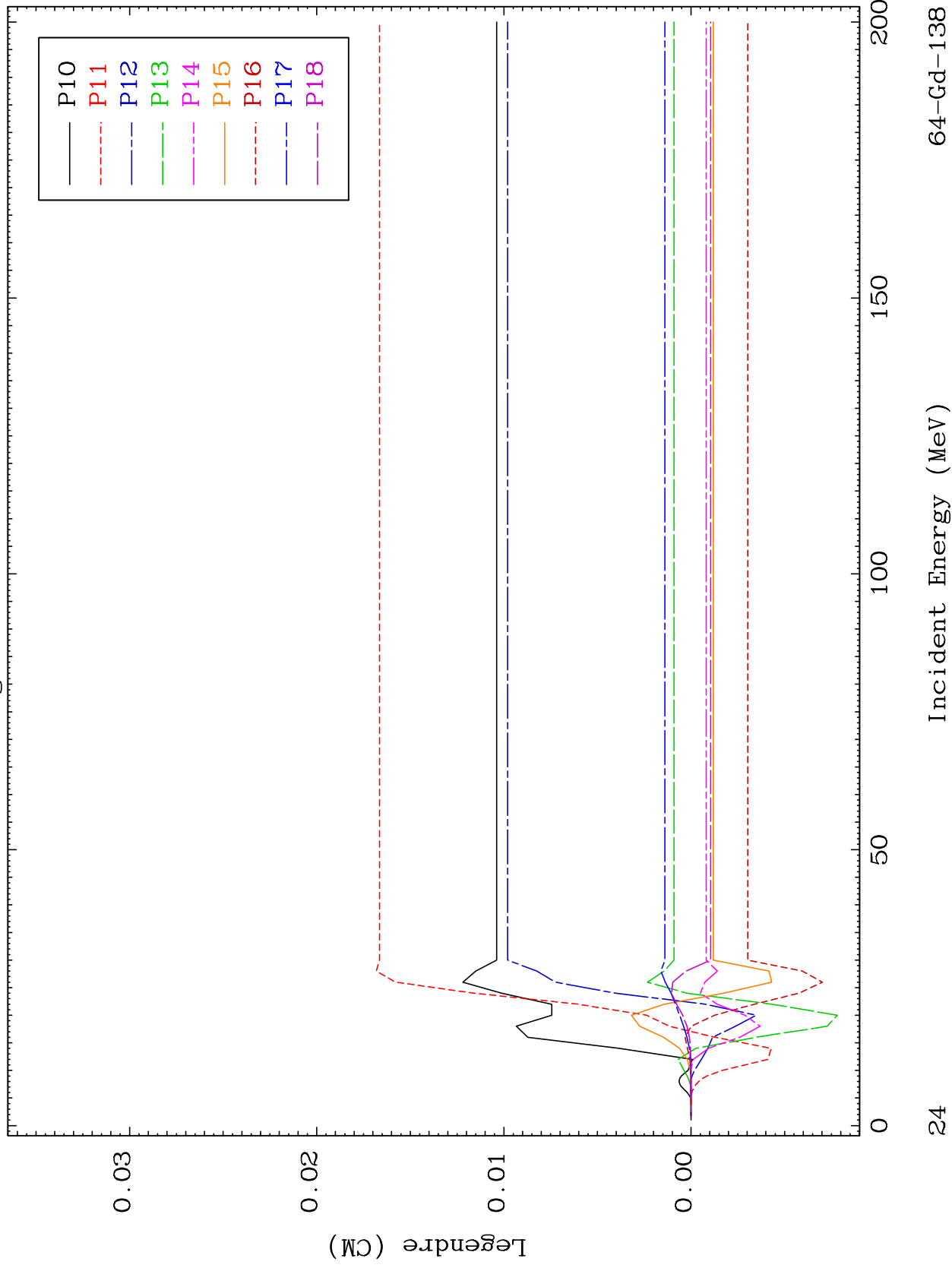
23



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605.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-138



64-Gd-138

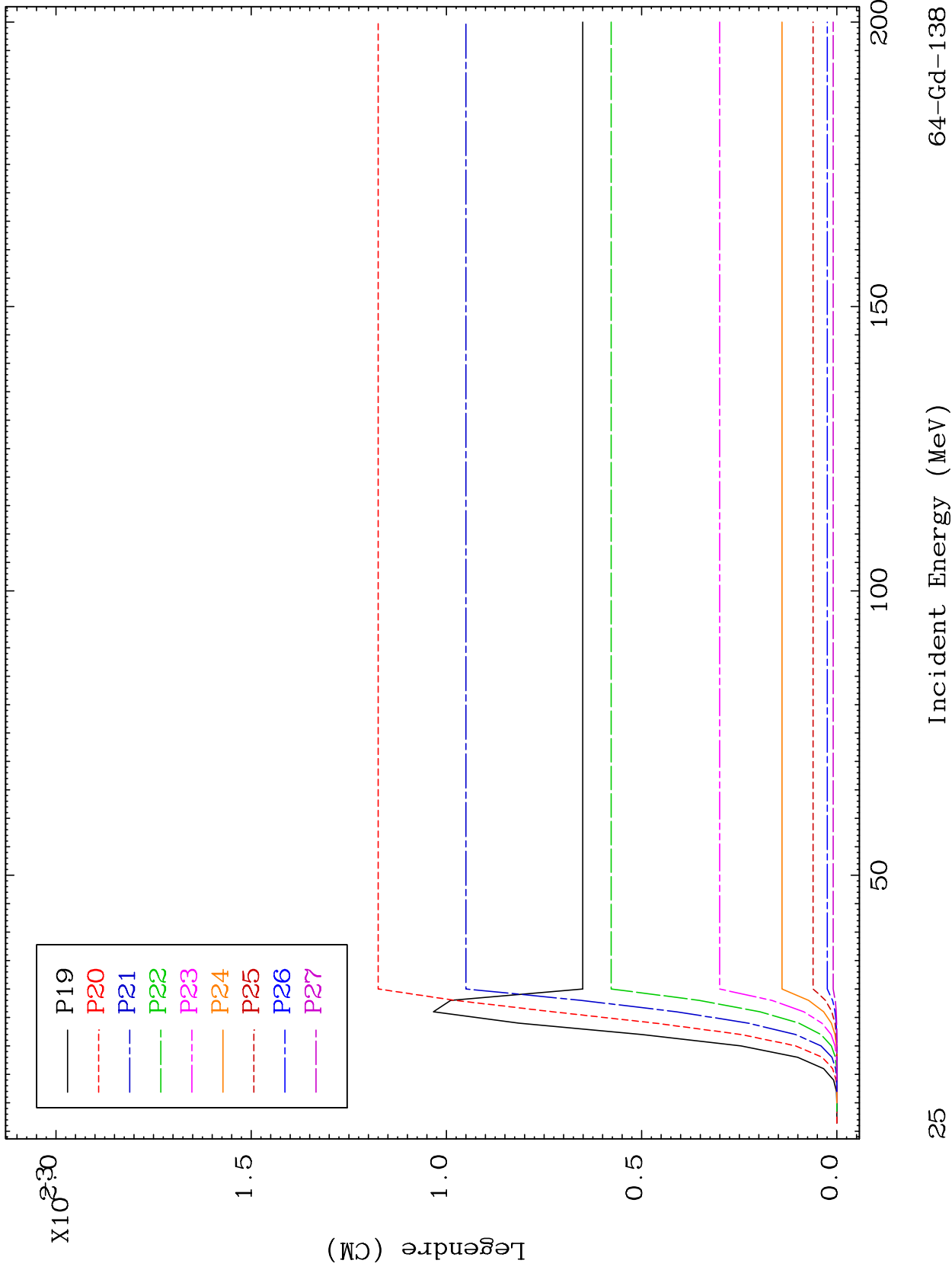
Incident Energy (MeV)

24

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605.2 keV (n, n') Level  
Legendre Coefficients

64-Gd-138



25

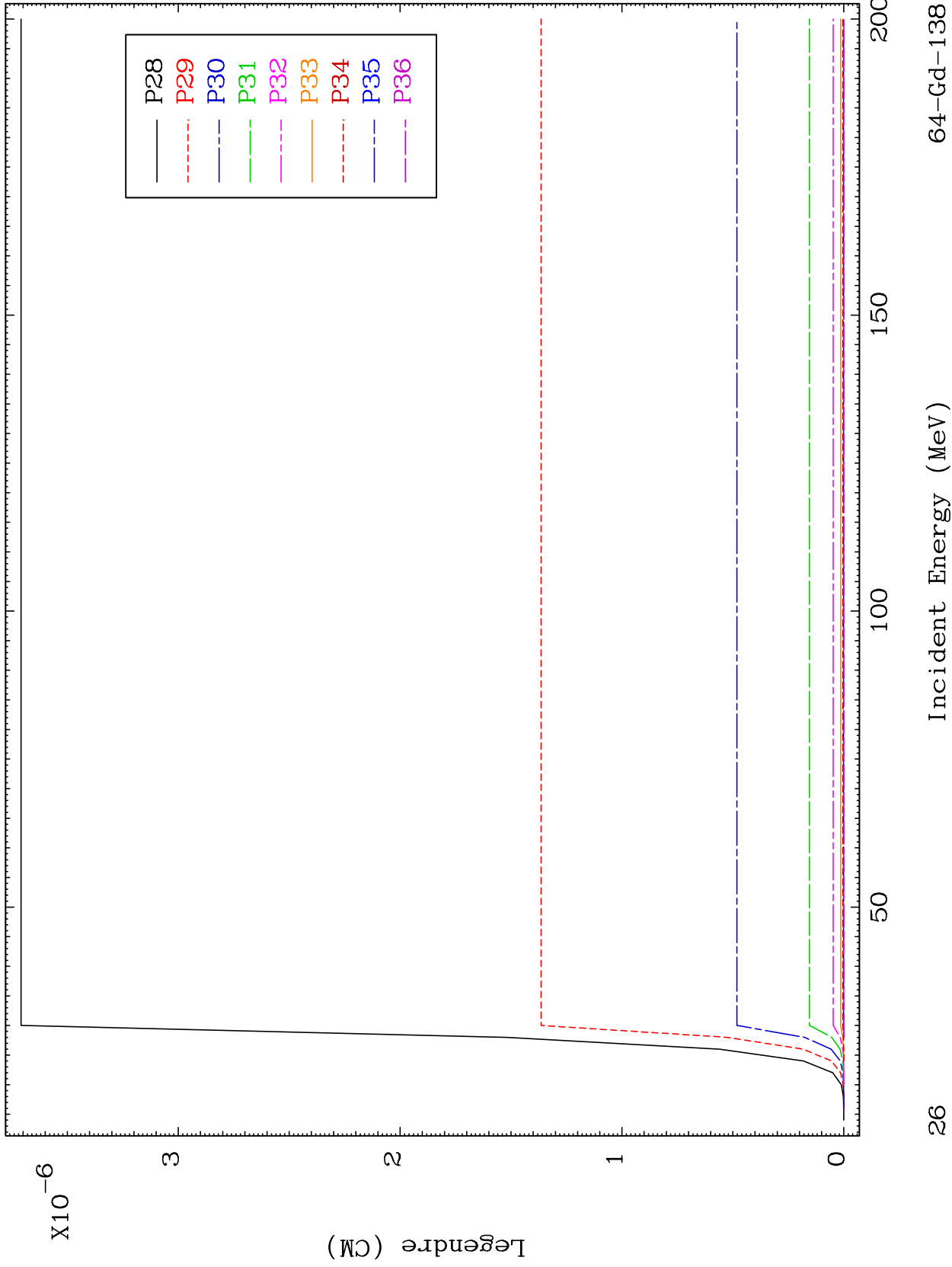
Incident Energy (MeV)

64-Gd-138

MAT 6383

605.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-138



26

Incident Energy (MeV)

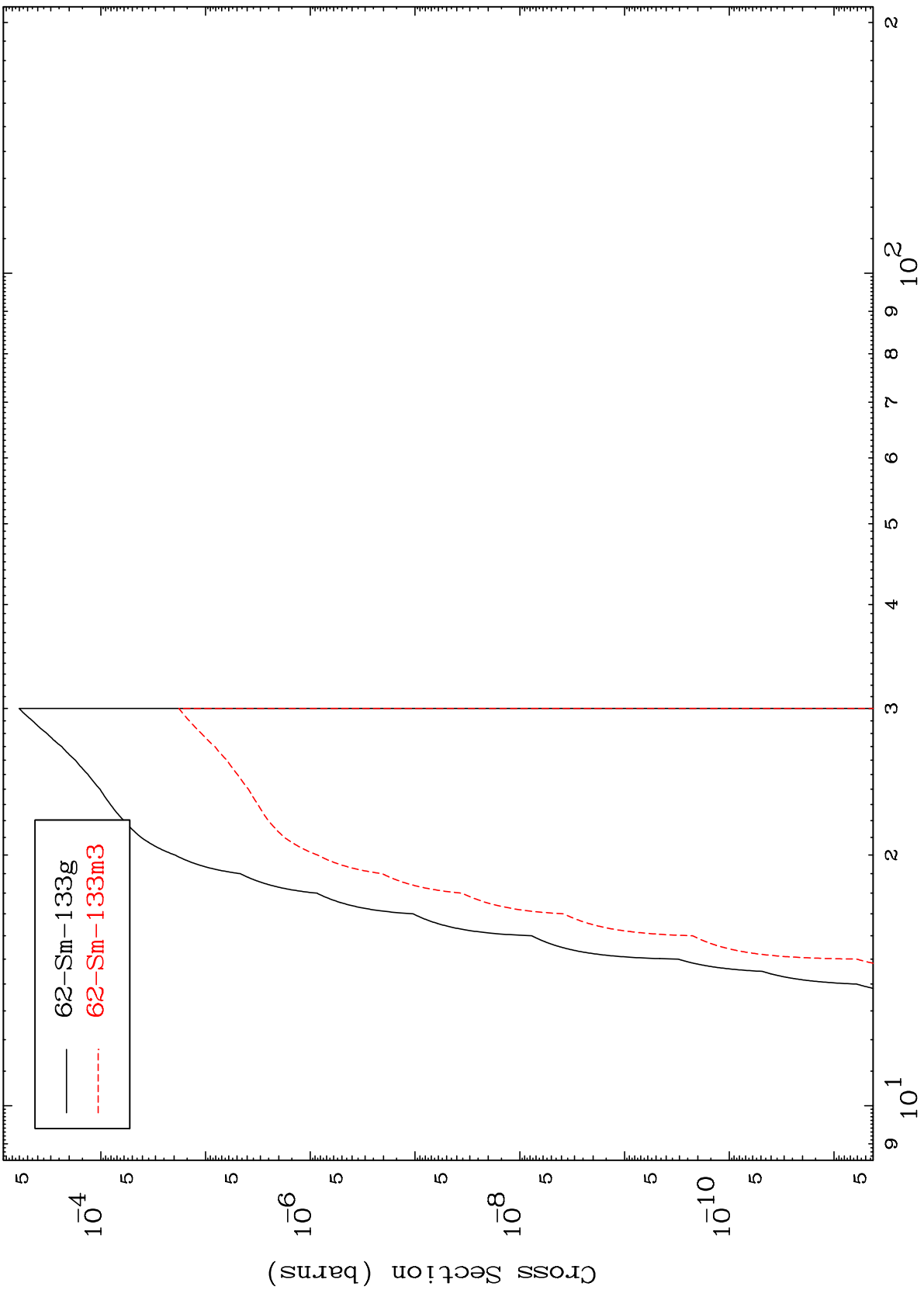
64-Gd-138

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(n,2n)  $\alpha$

64-Gd-138

Radionuclide Production Cross Section

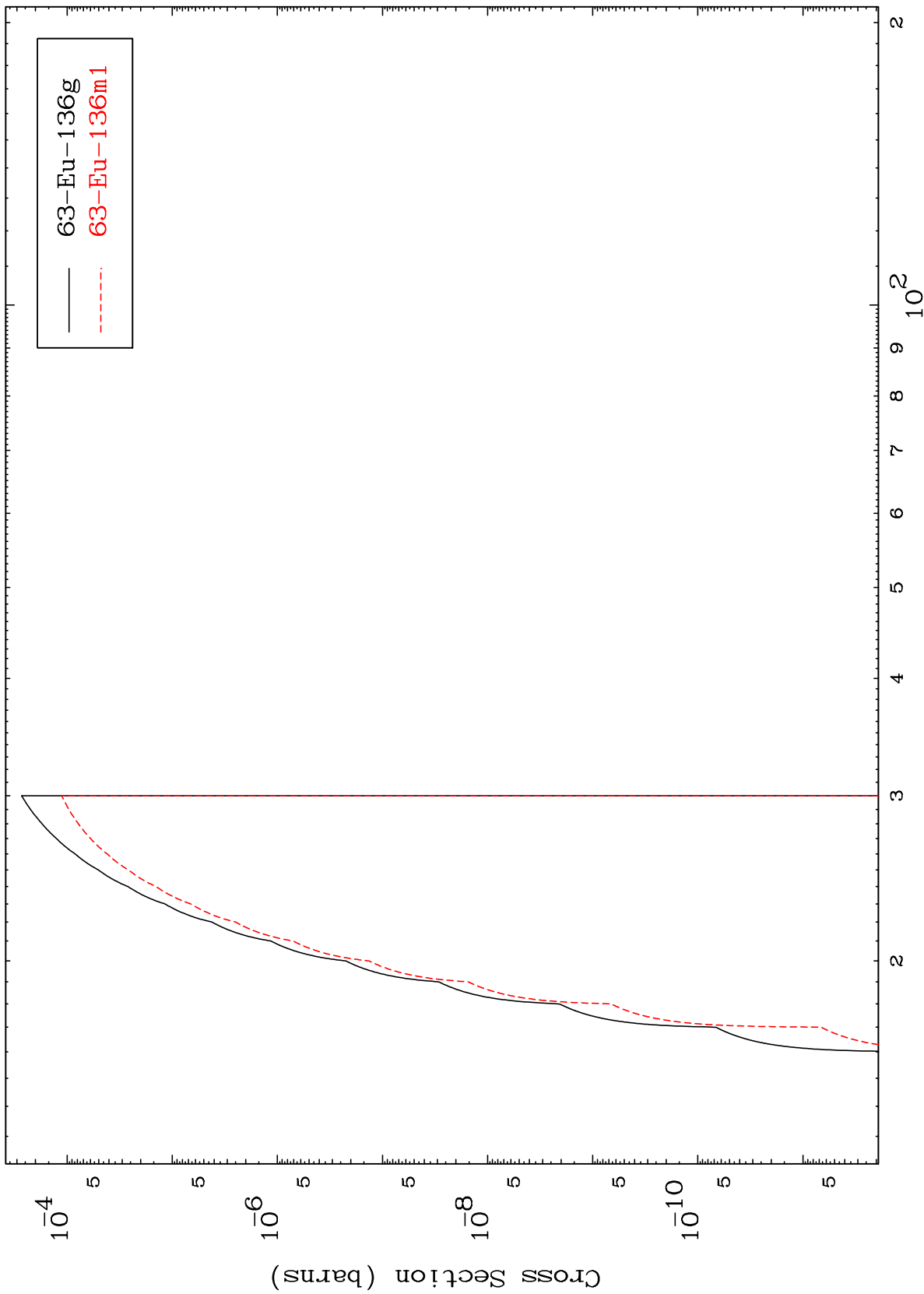


27

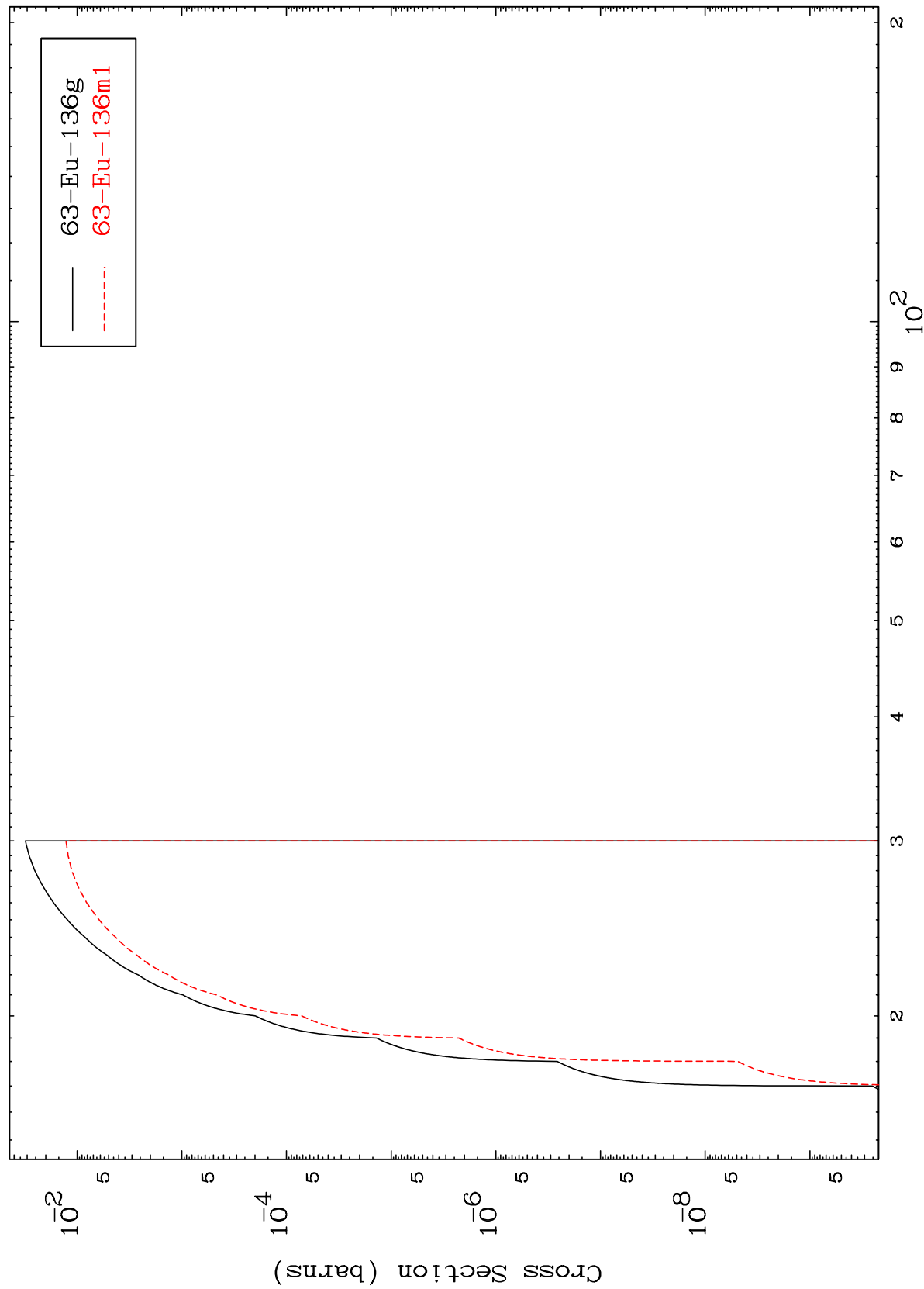
Incident Energy (MeV)

64-Gd-138

Radionuclide Production Cross Section



Radionuclide Production Cross Section

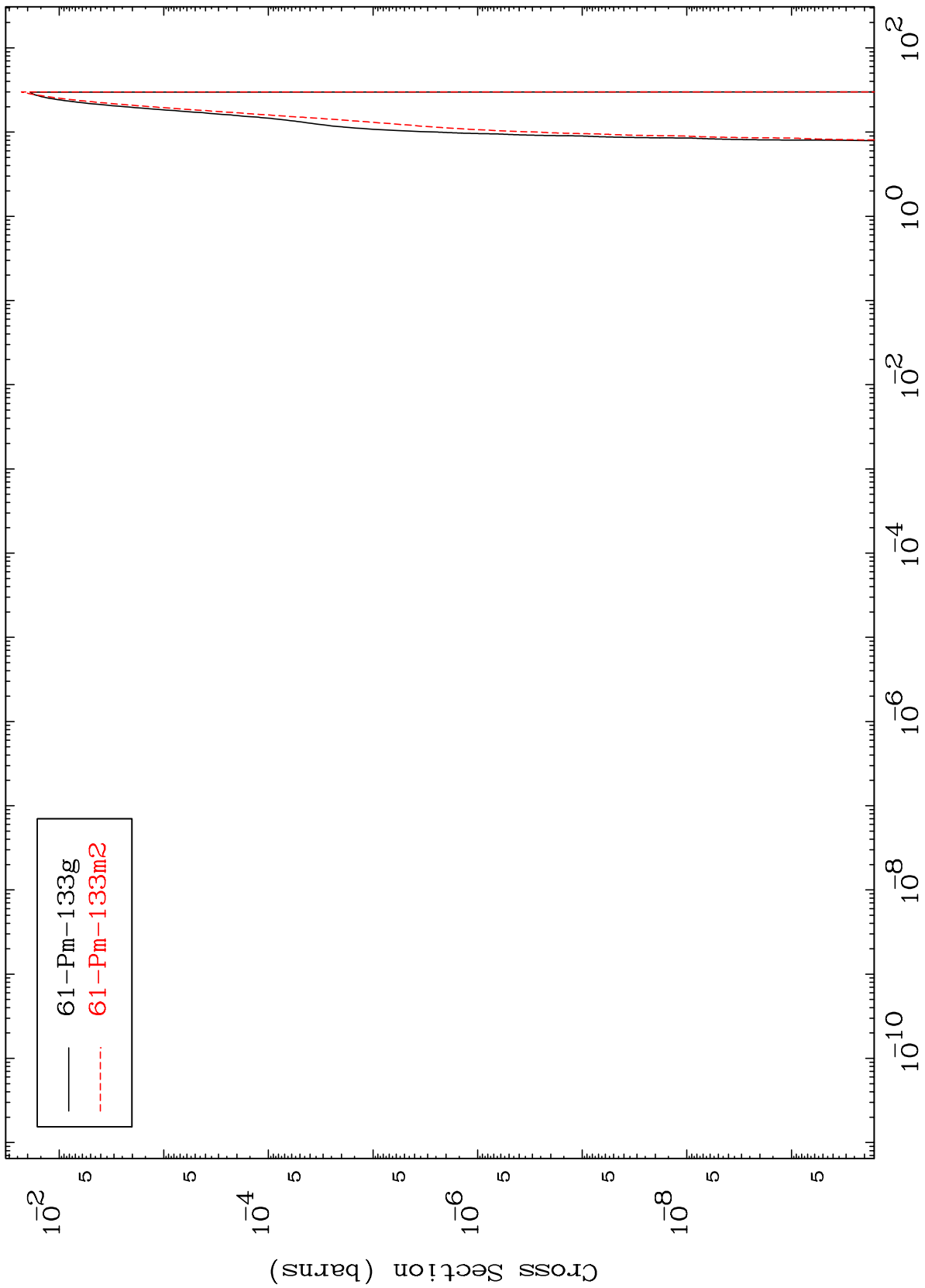


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(n,n') p  $\alpha$

64-Gd-138

Radionuclide Production Cross Section



30

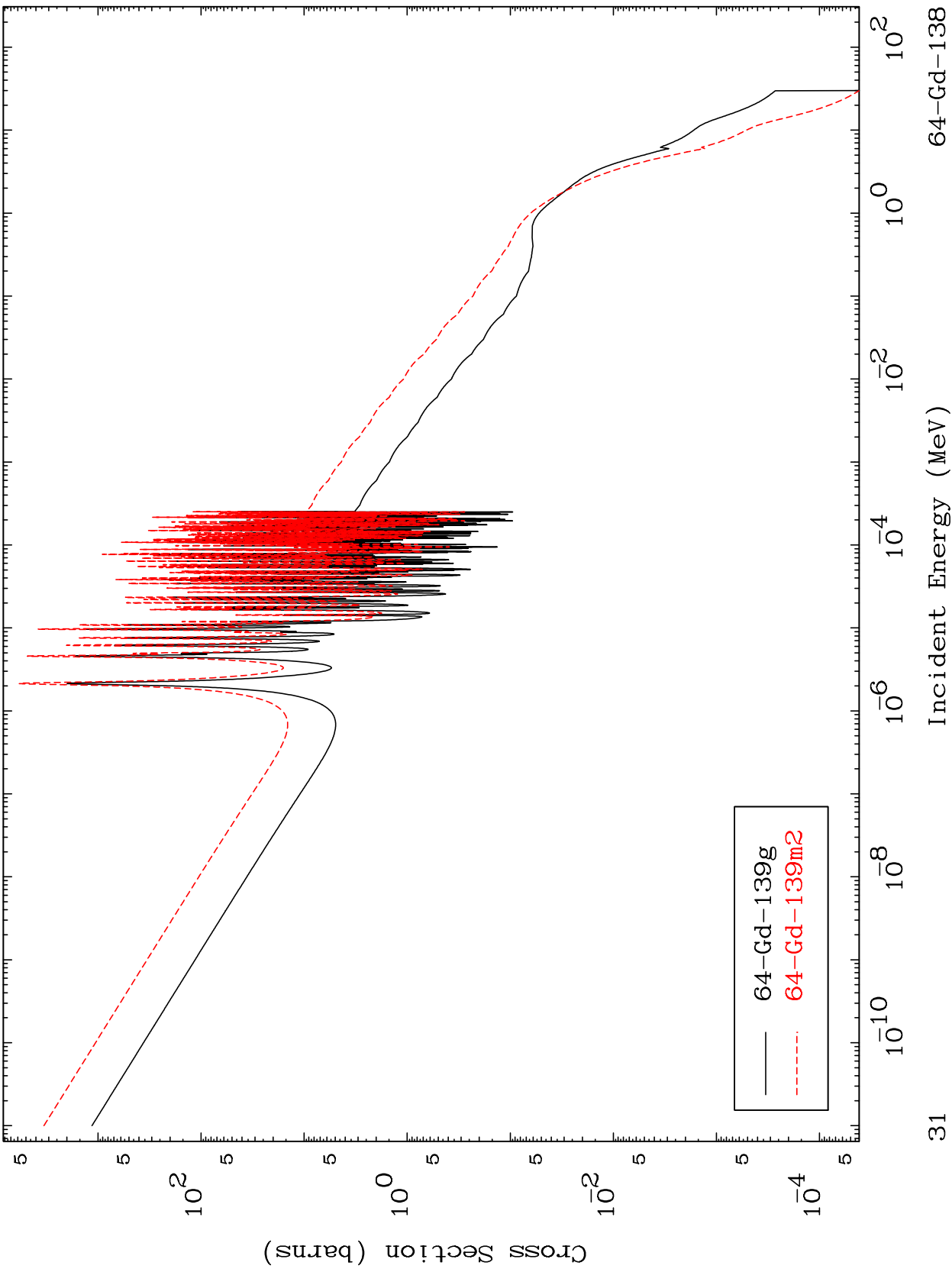
Incident Energy (MeV)

64-Gd-138

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64-Gd-138

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

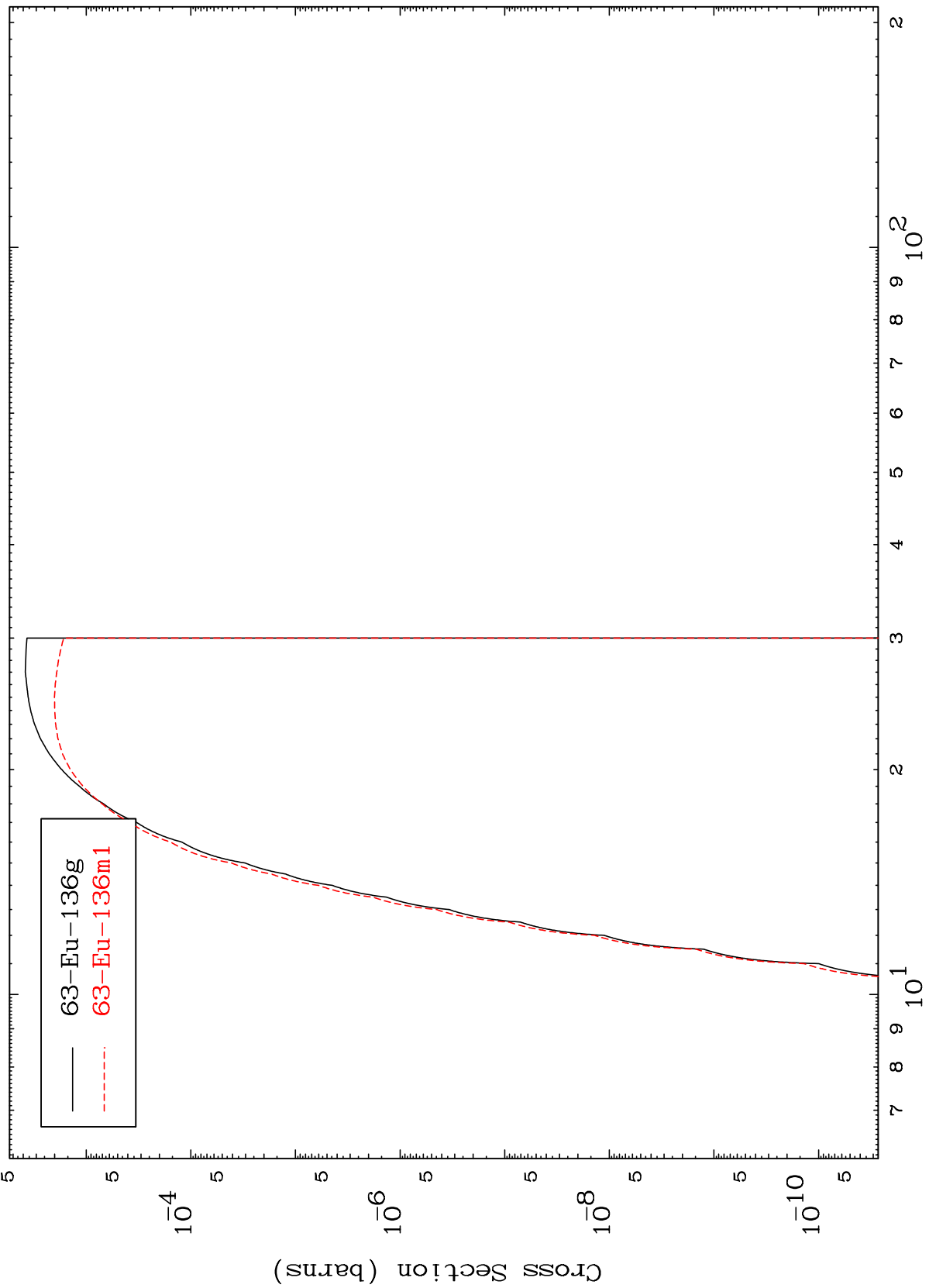




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64-Gd-138

(n, t)  
Radionuclide Production Cross Section



32

Incident Energy (MeV)

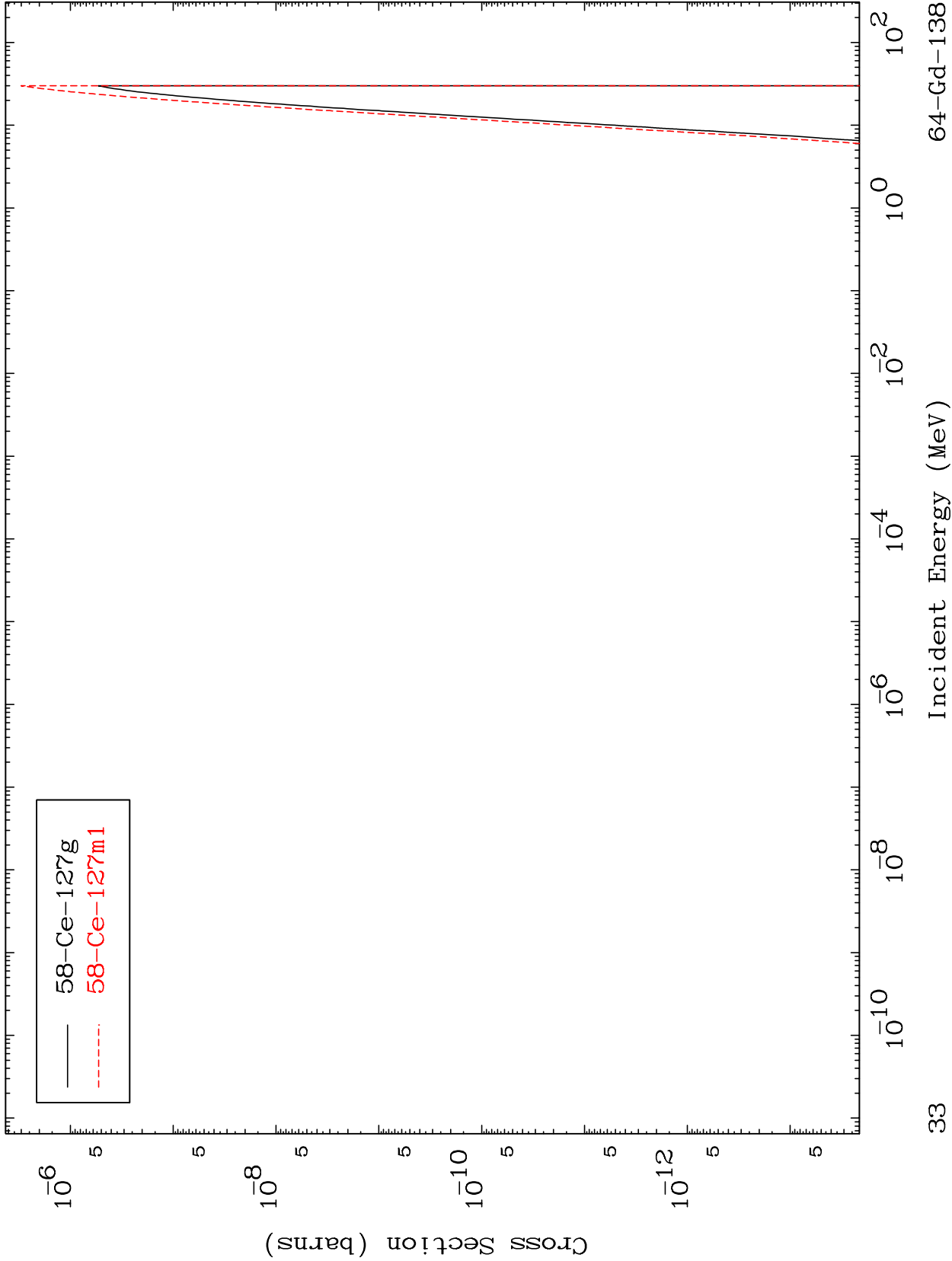
64-Gd-138

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(n,3 $\alpha$ )

64-Gd-138

Radionuclide Production Cross Section



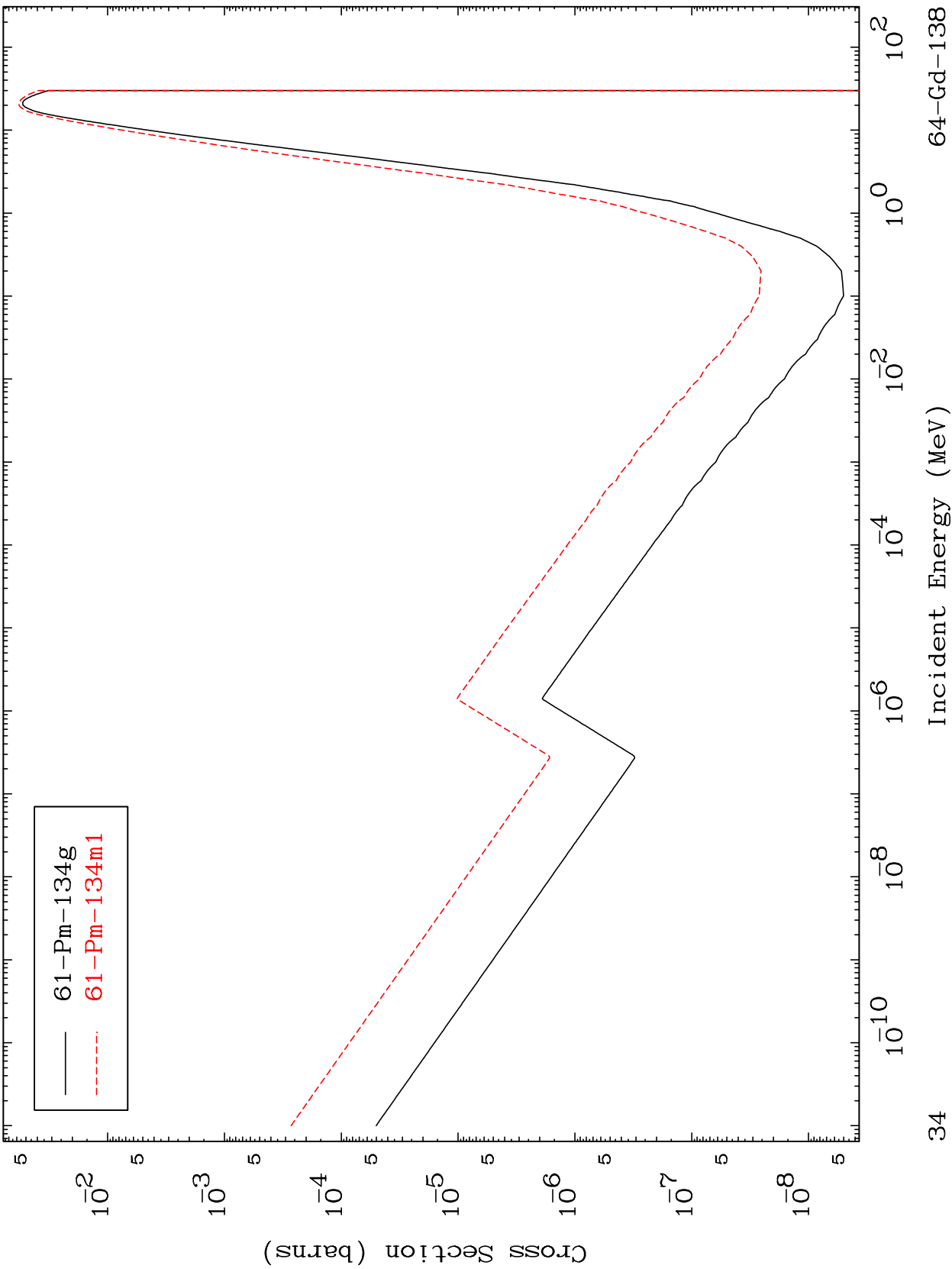
58-Ce-127g  
58-Ce-127m1

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(n,p)  $\alpha$

64-Gd-138

Radionuclide Production Cross Section



MAT 6383

(n,d)  $\alpha$

64-Gd-138

Radionuclide Production Cross Section

