

Program EVALPLOT
(Version 2021-1)

by

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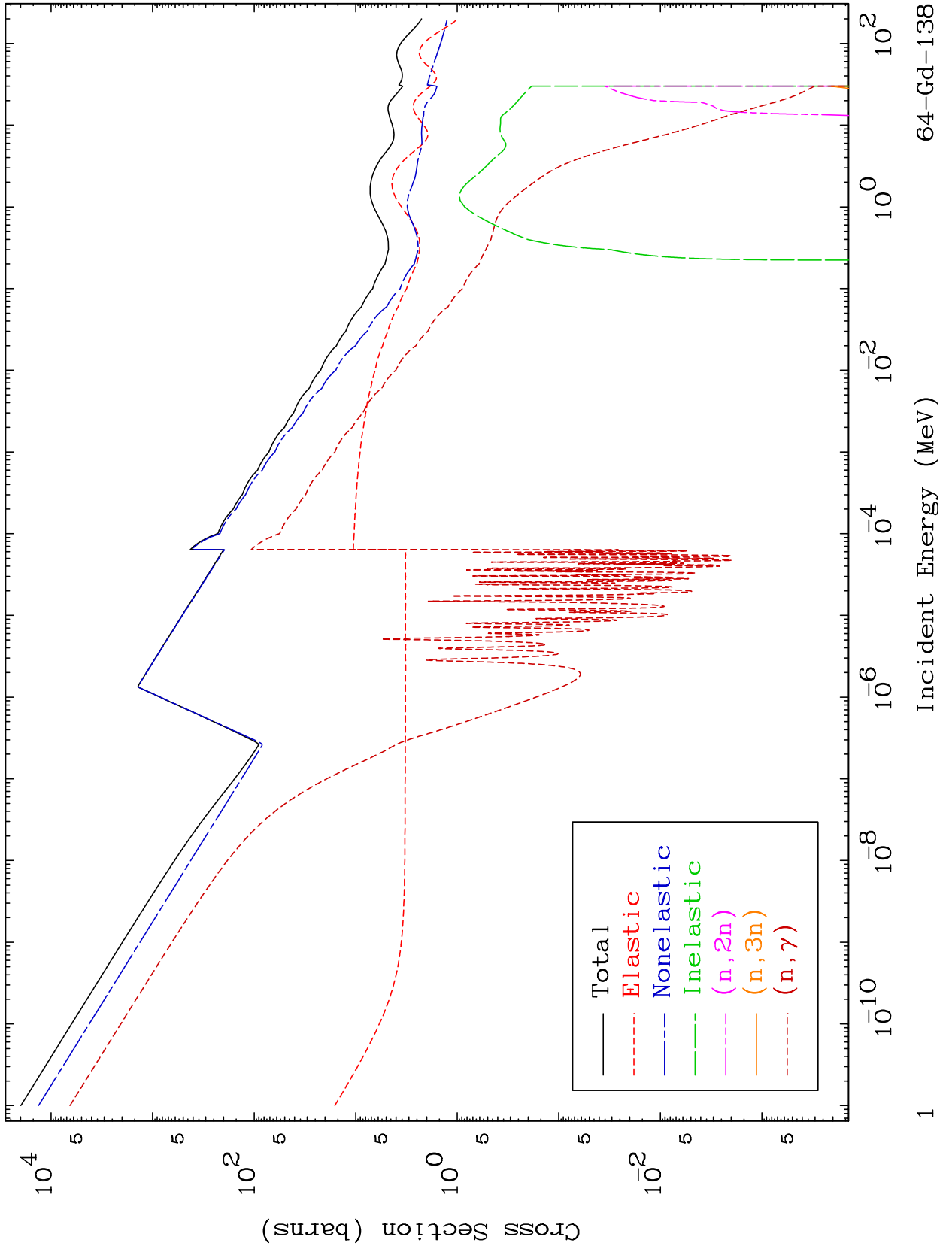
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6383

Neutron Major
293 Kelvin Cross Sections

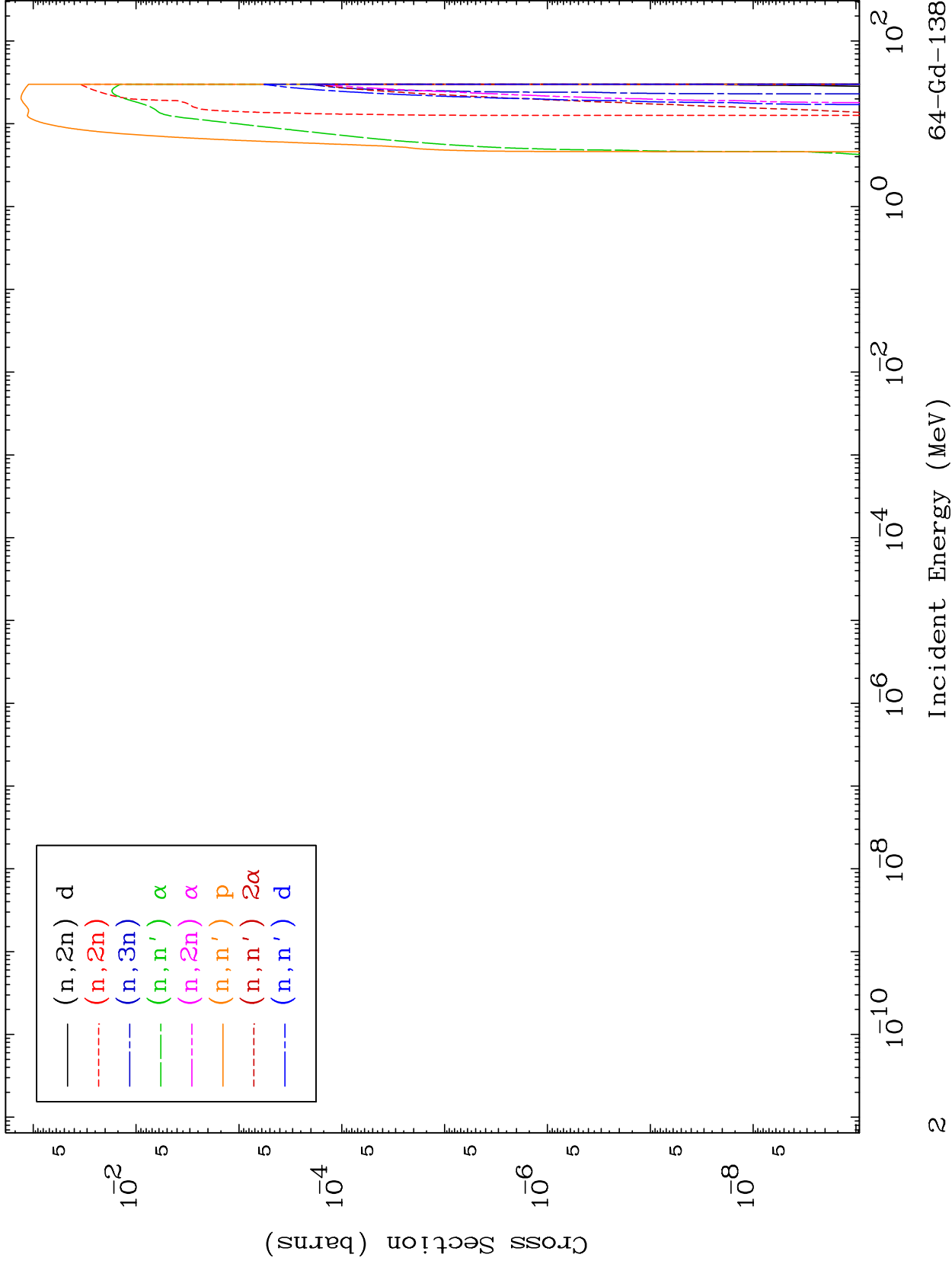
64-Gd-138

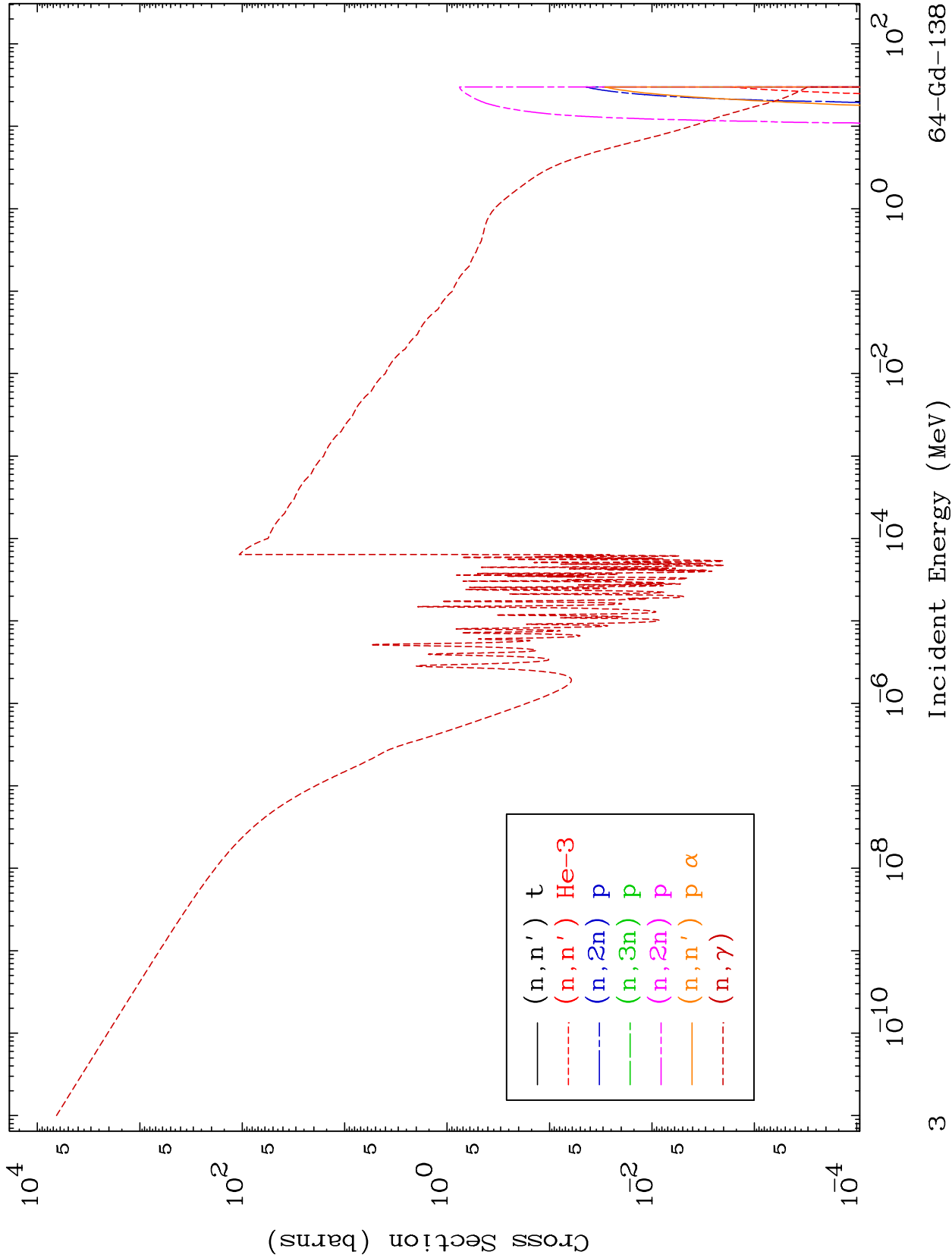


MAT 6383

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-138

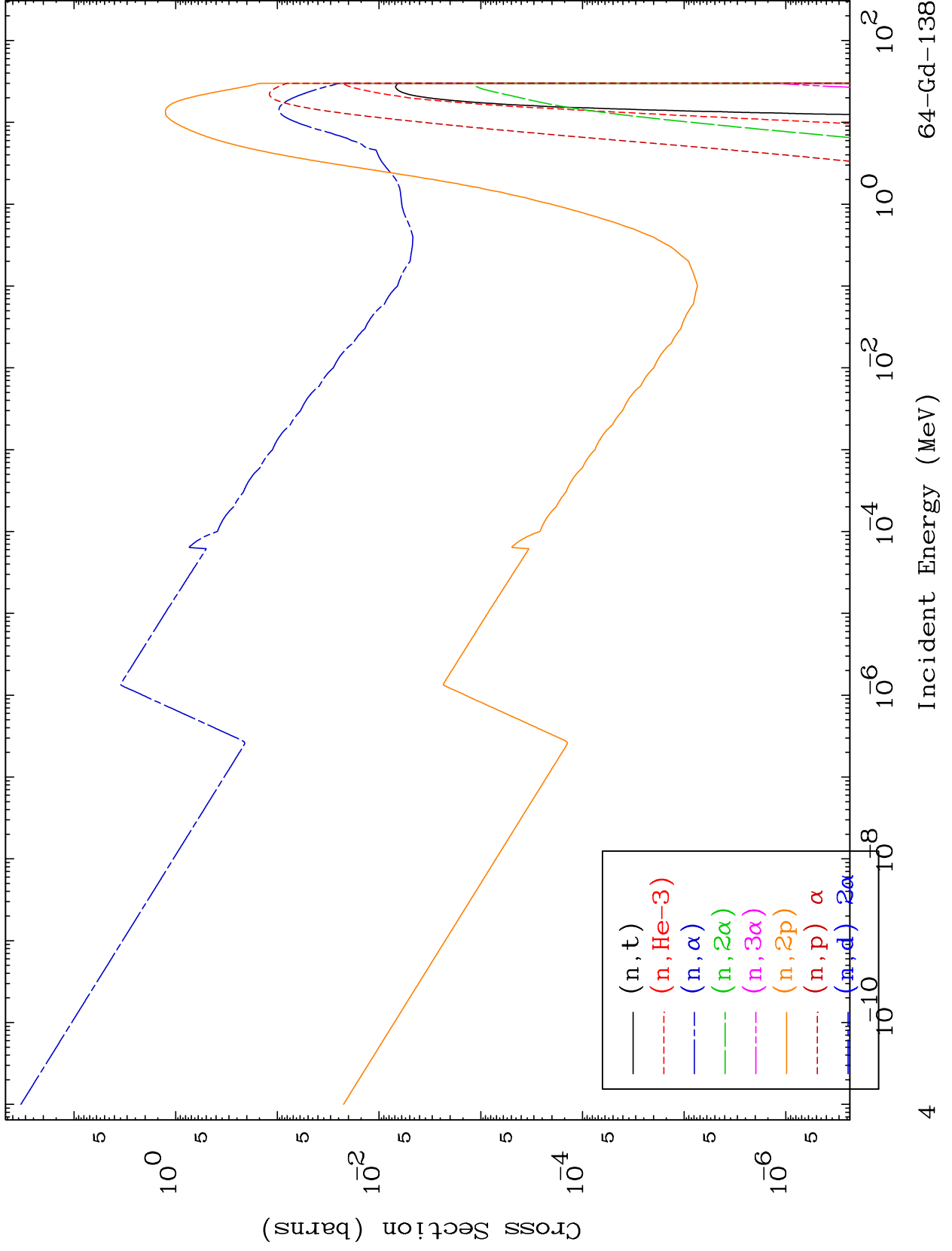


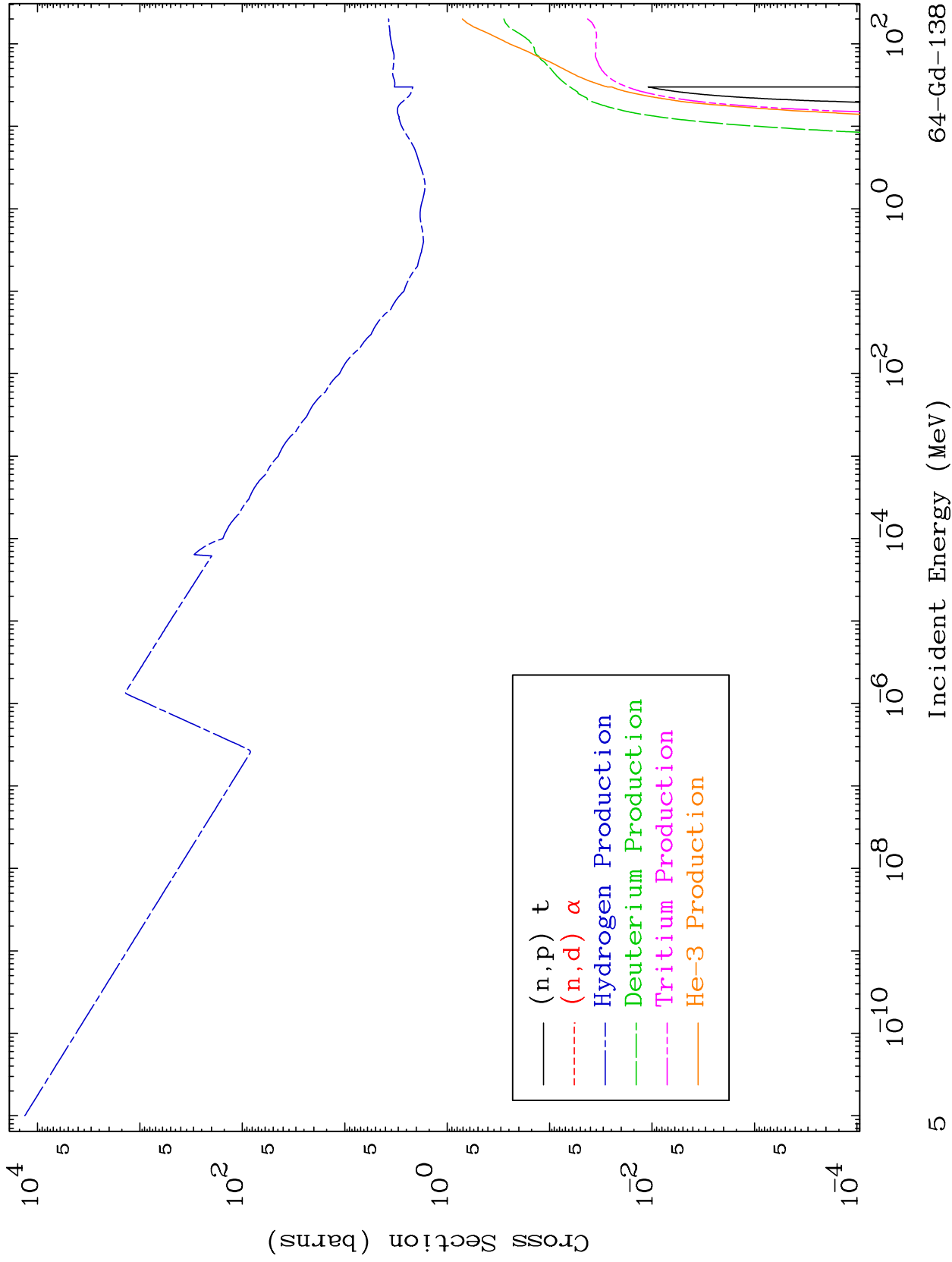


MAT 6383

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-138

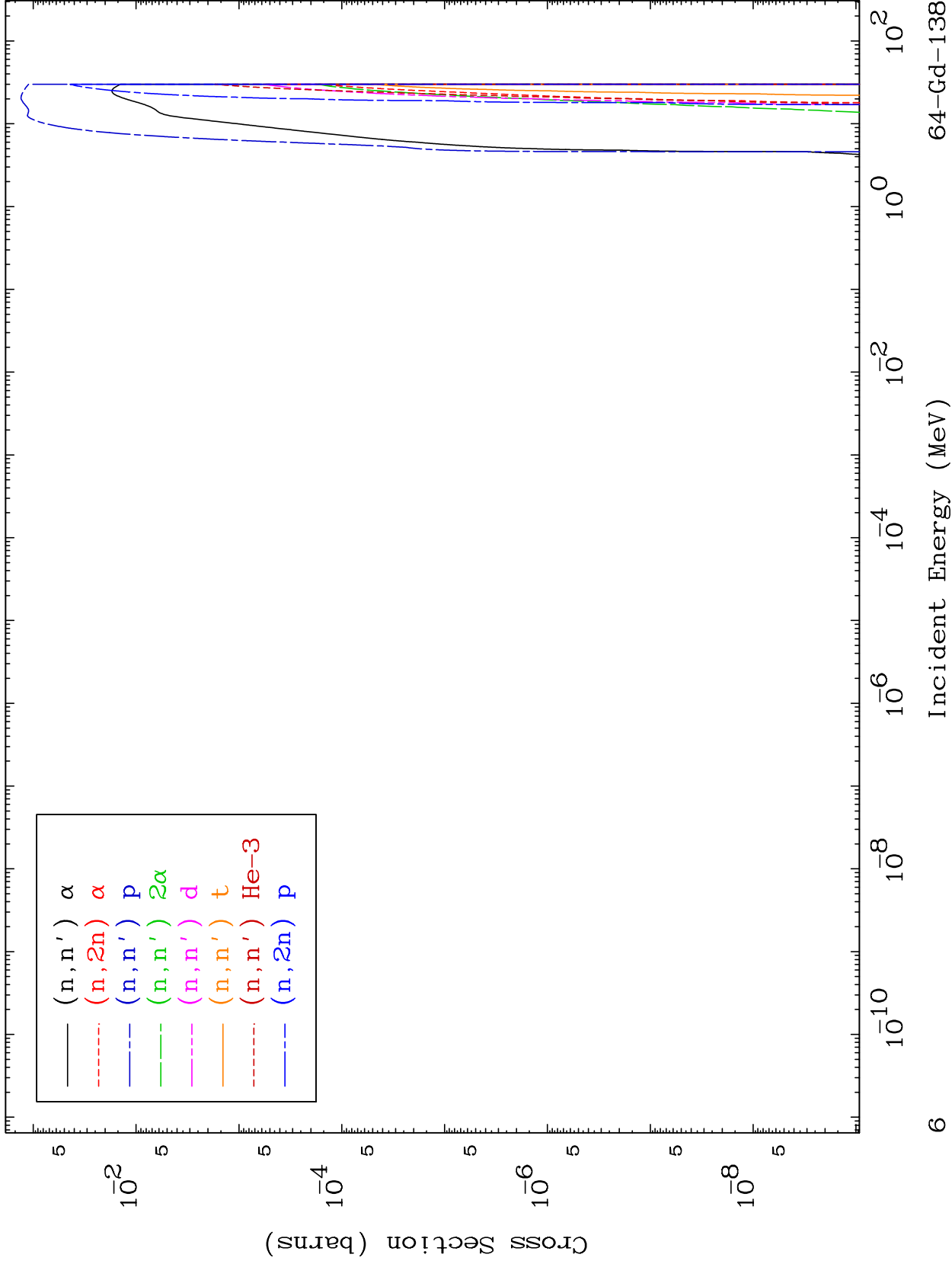




MAT 6383

Charged Particle
293 Kelvin Cross Sections

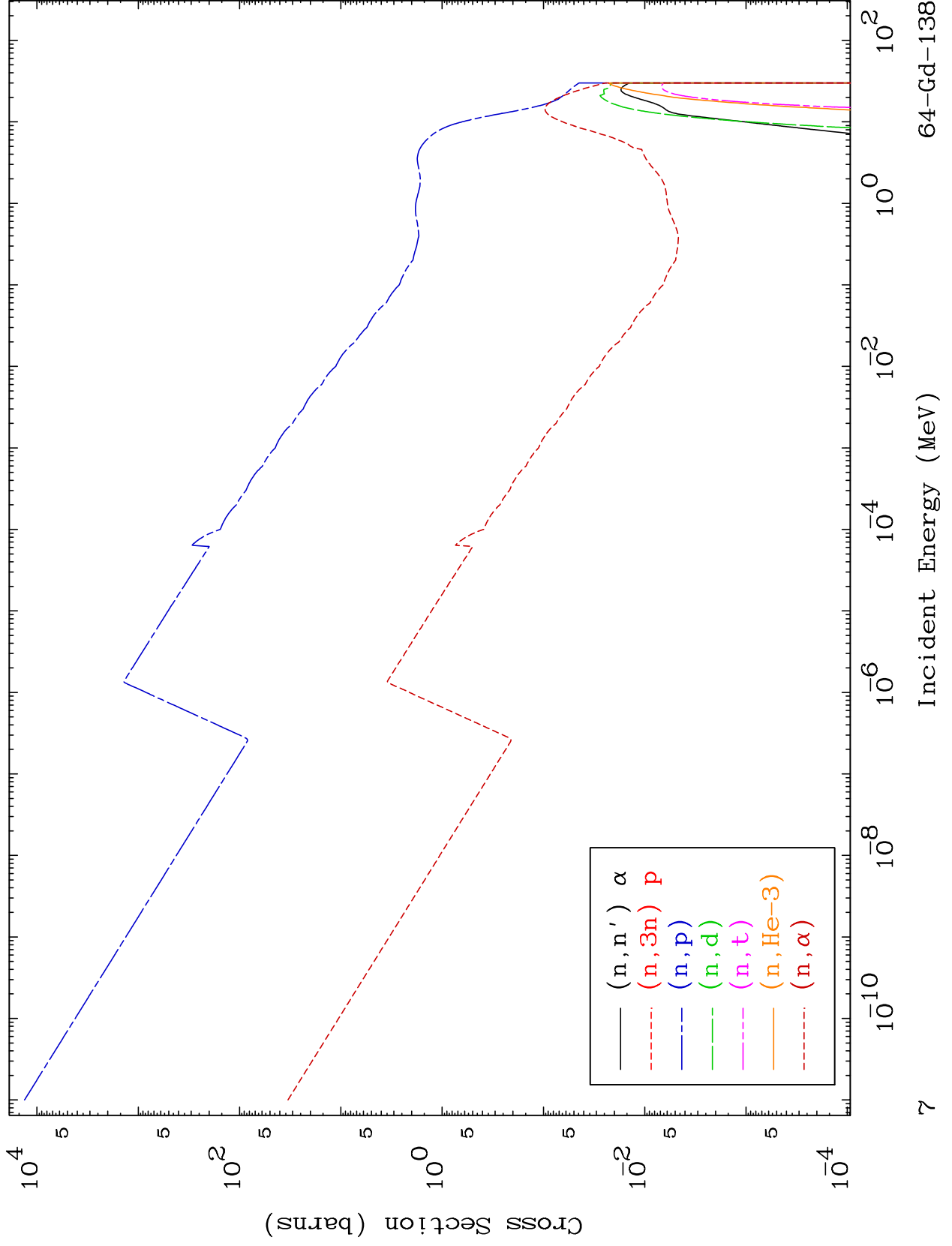
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MAT 6383

Charged Particle
293 Kelvin Cross Sections

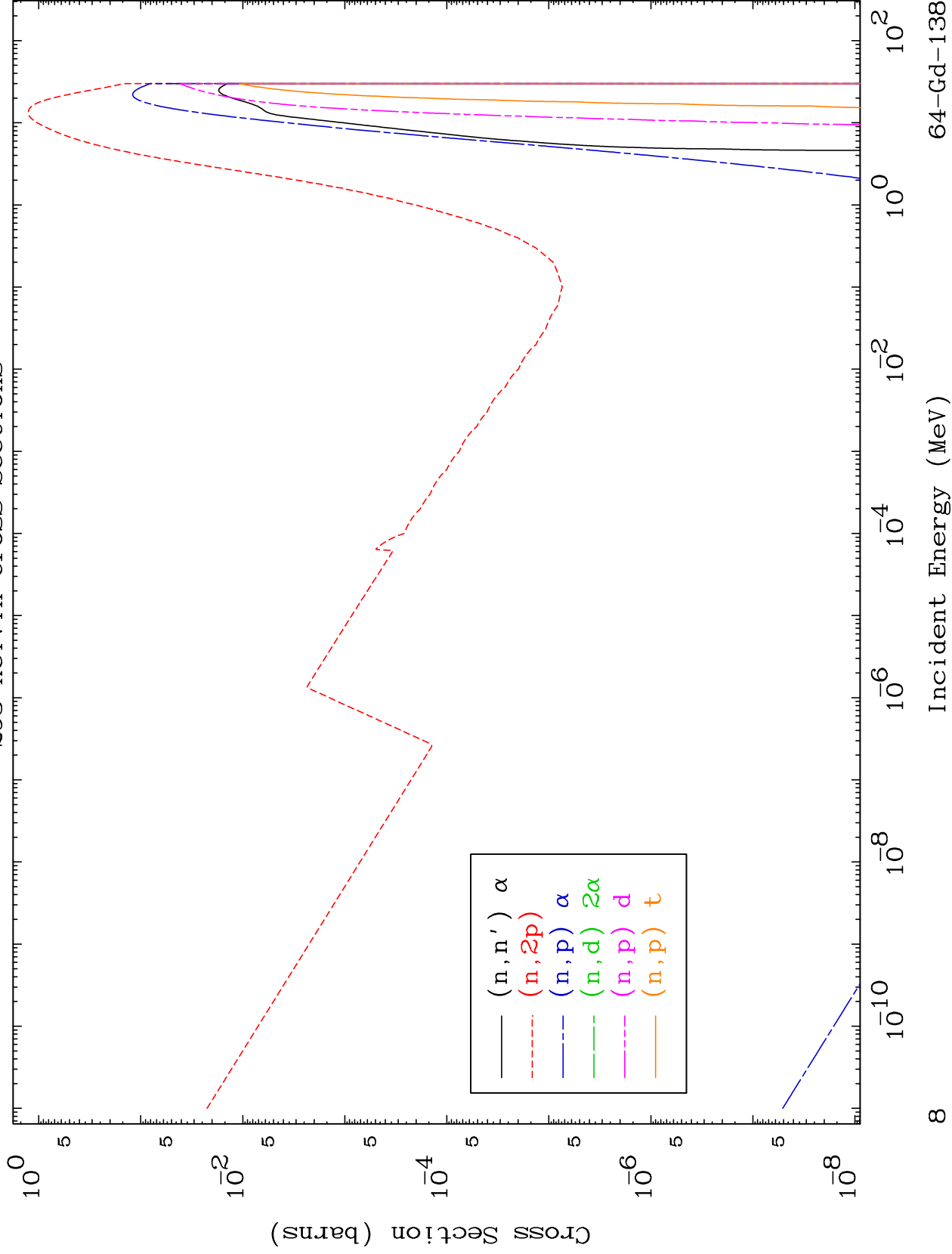
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MAT 6383

Charged Particle
293 Kelvin Cross Sections

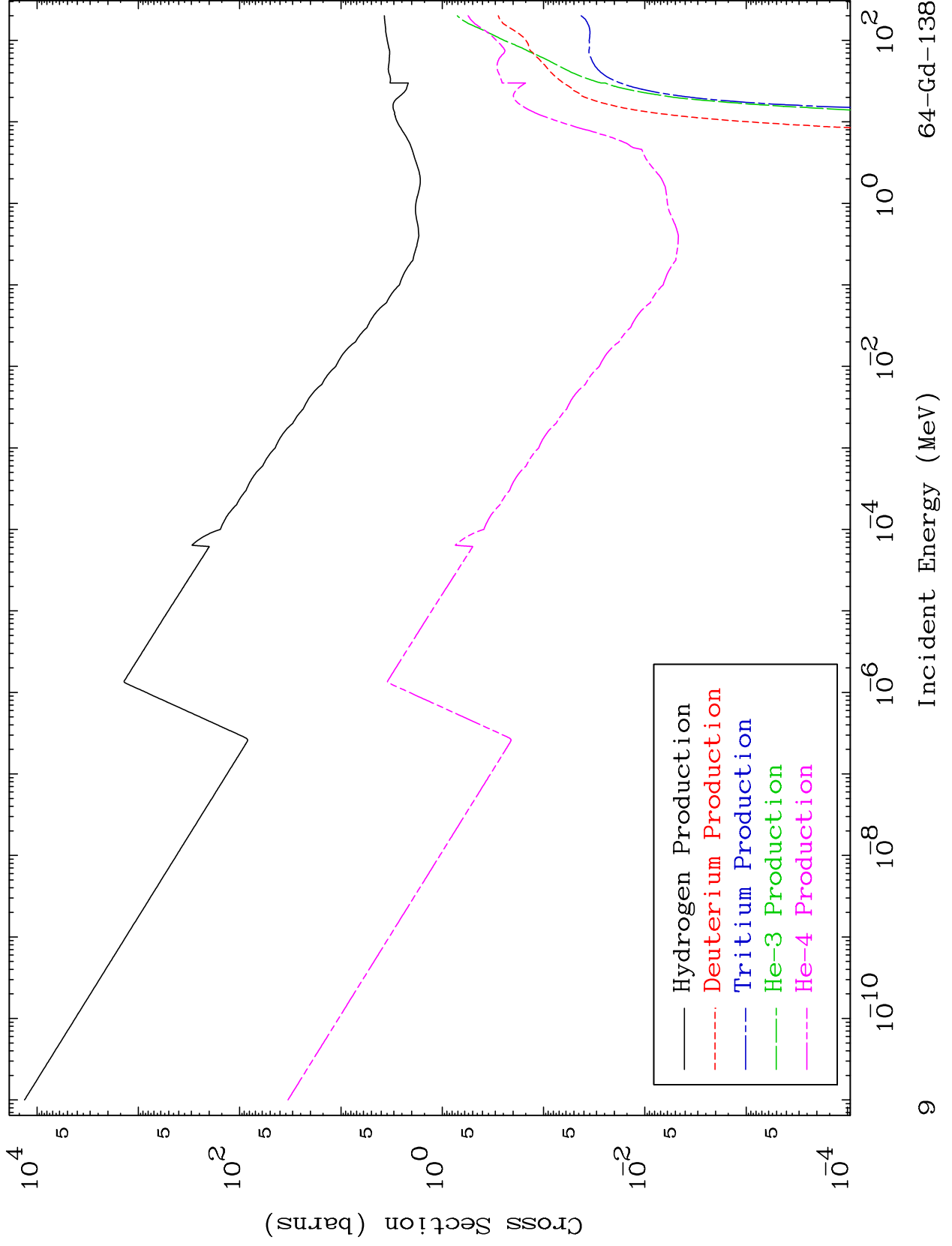
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MAT 6383

Particle Production
293 Kelvin Cross Sections

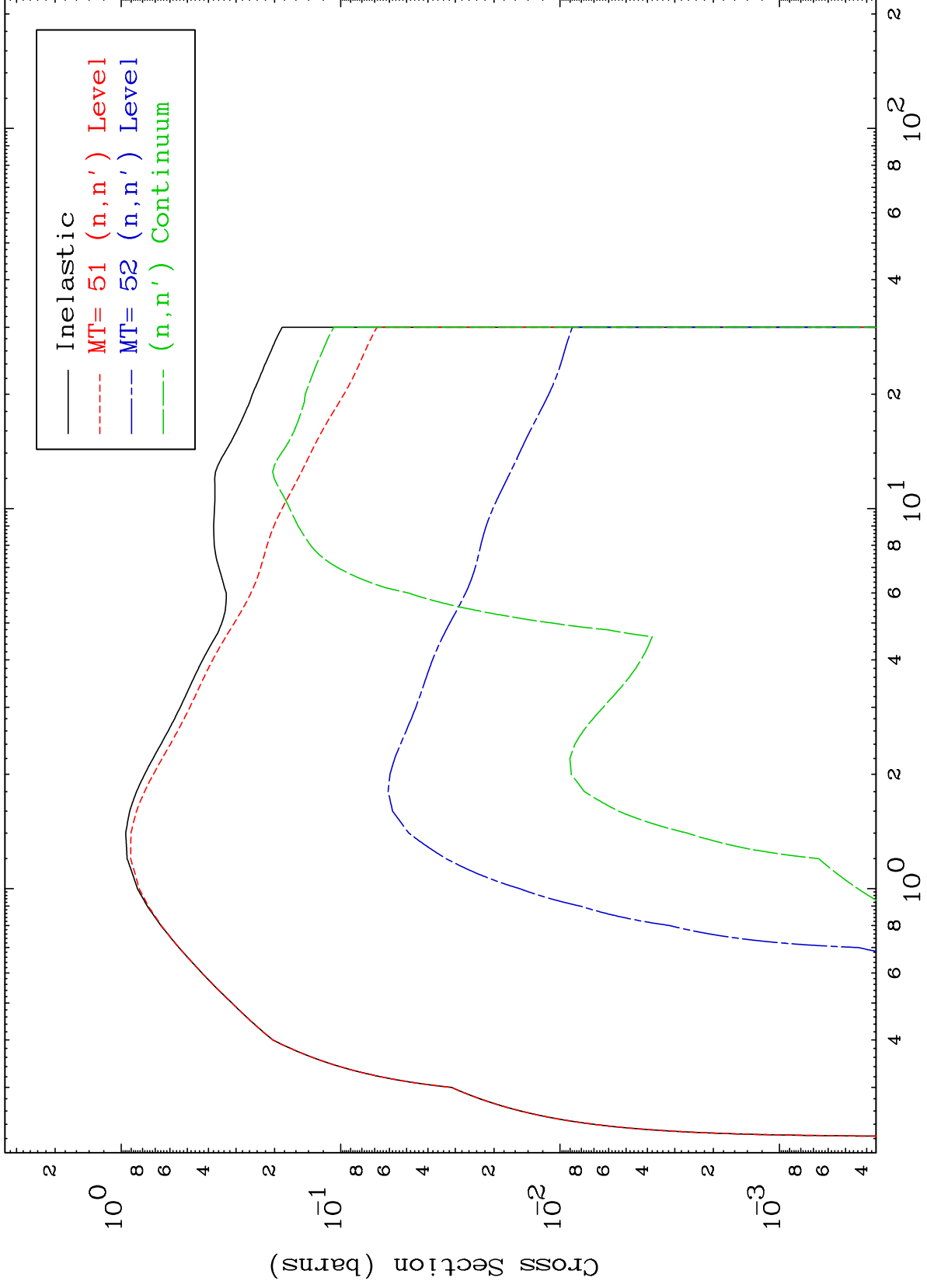
64-Gd-138



MAT 6383

(n,n') Levels
293 Kelvin Cross Sections

64-Gd-138



10

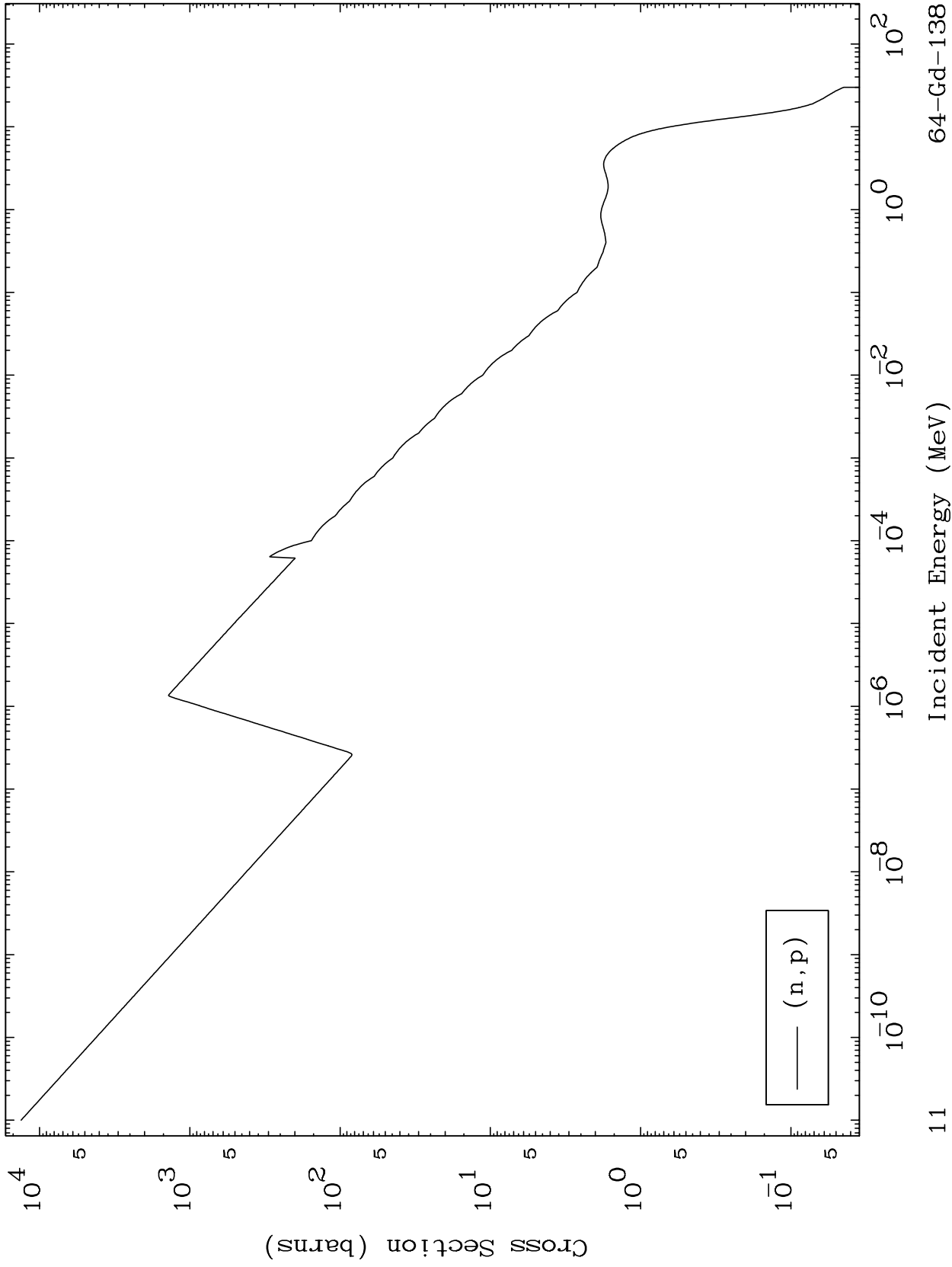
Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,p) Levels
293 Kelvin Cross Sections

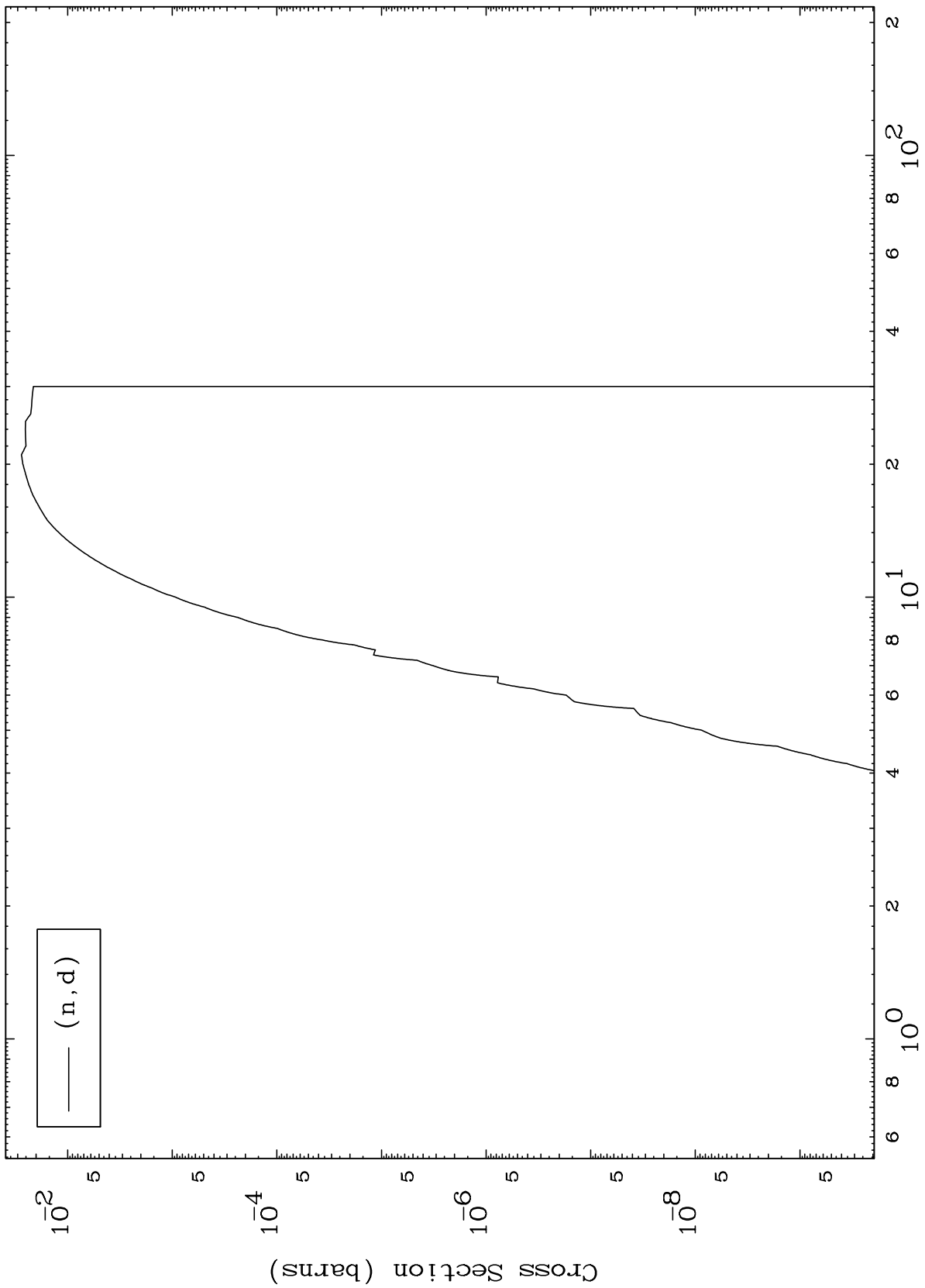
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MAT 6383

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-138



12

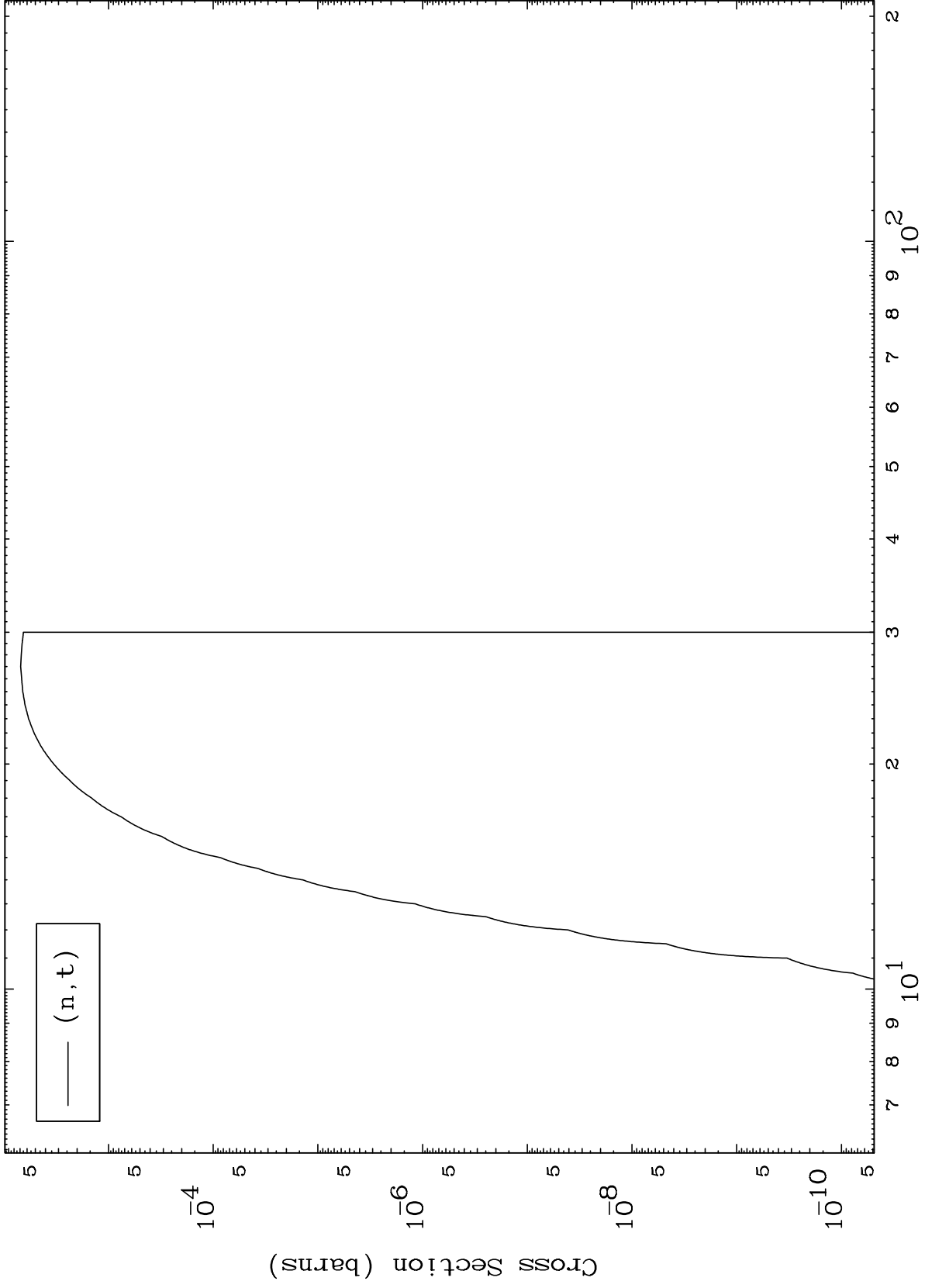
Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-138



13

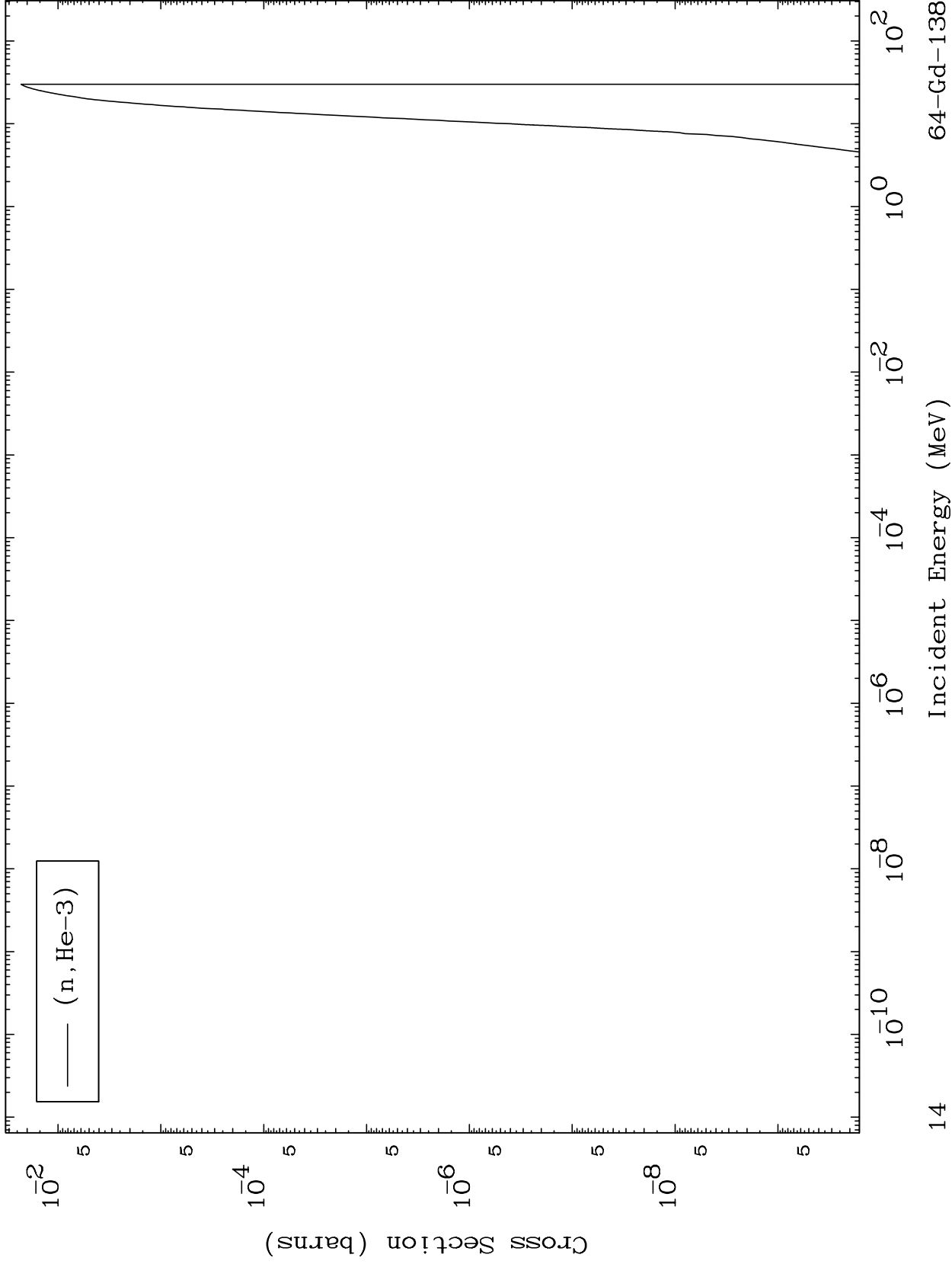
Incident Energy (MeV)

64-Gd-138

MAT 6383

(n,He3) Levels
293 Kelvin Cross Sections

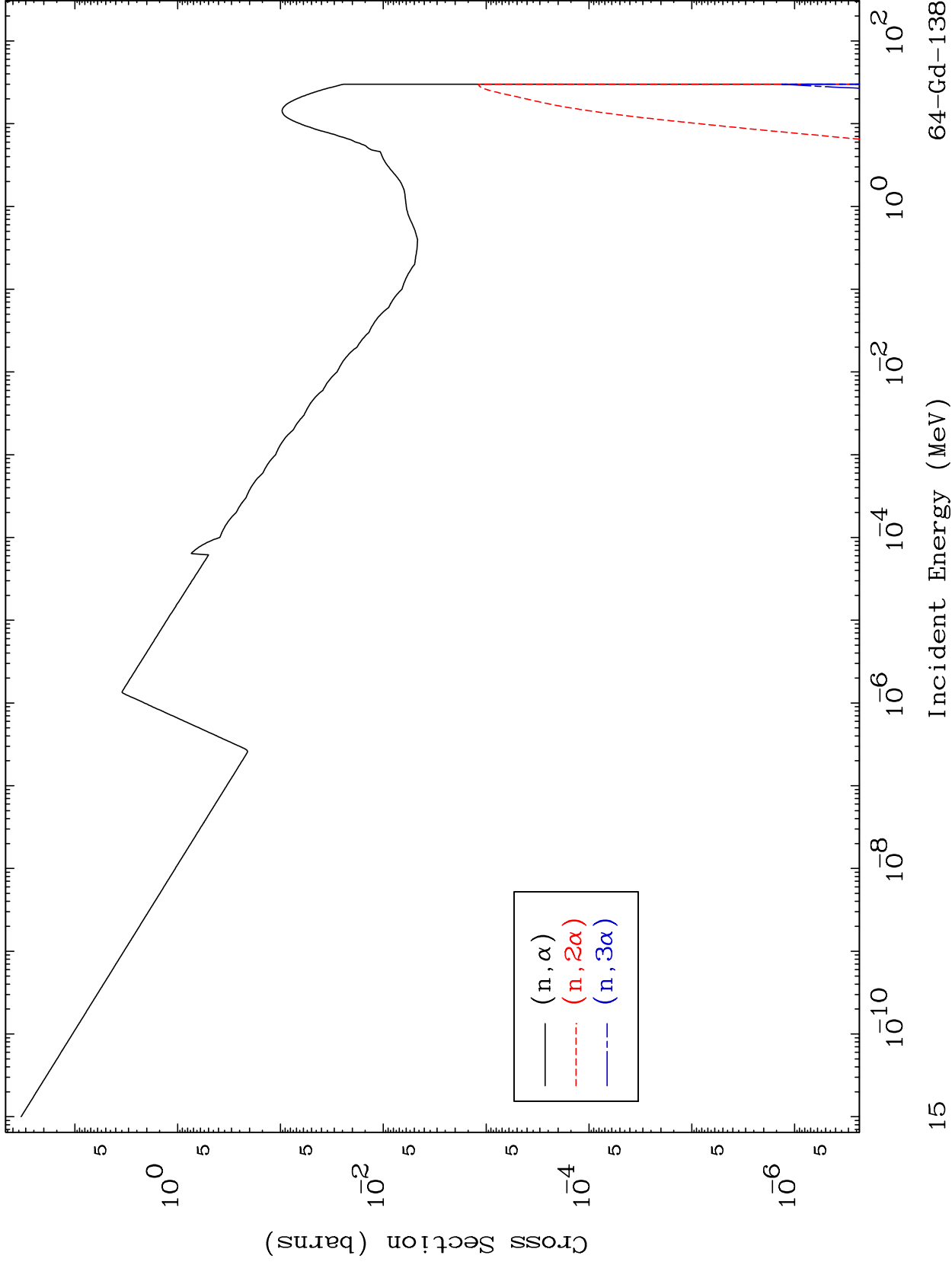
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MAT 6383

(n, α) Levels
293 Kelvin Cross Sections

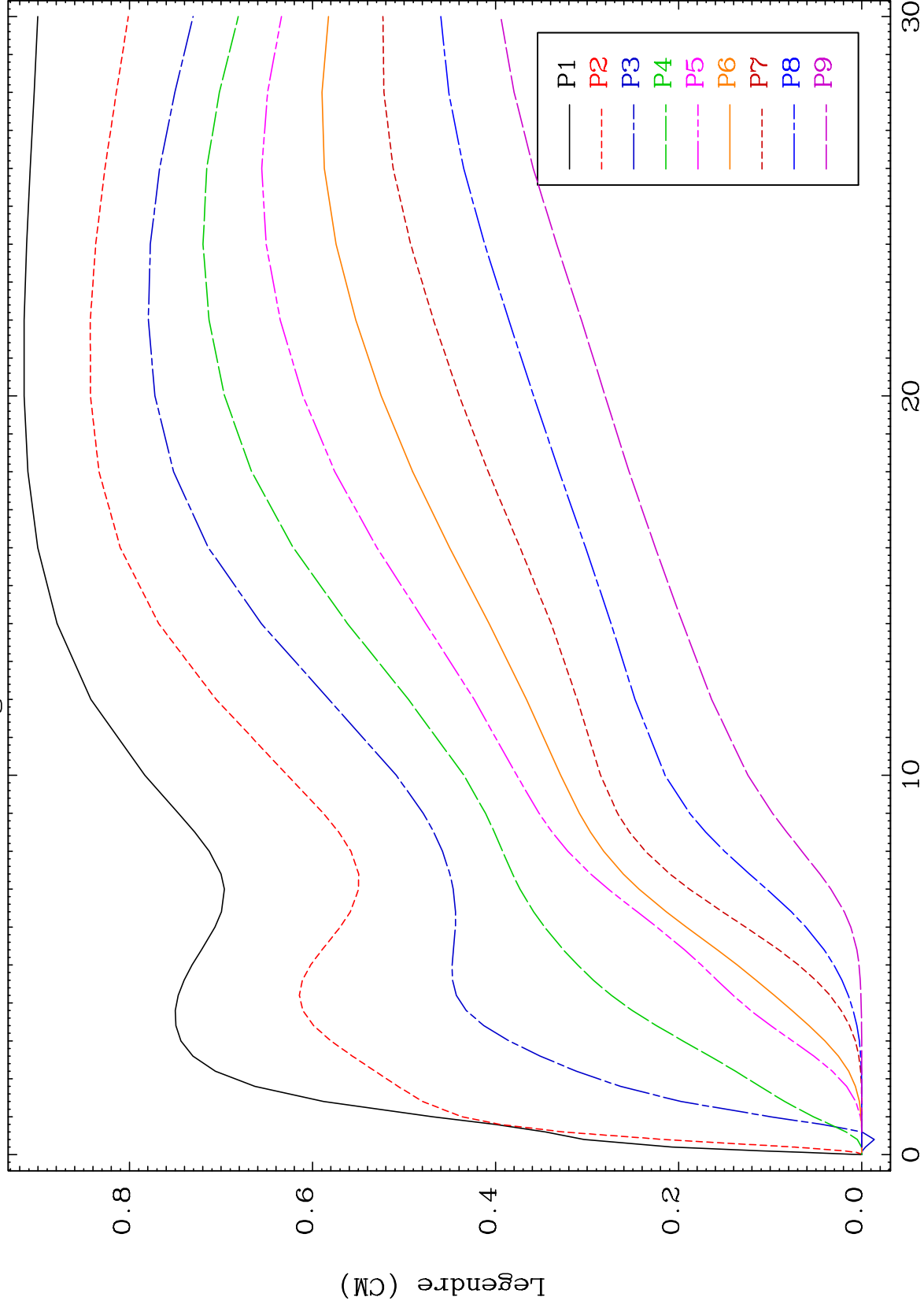
64-Gd-138



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Elastic Legendre Coefficients

64-Gd-138



16

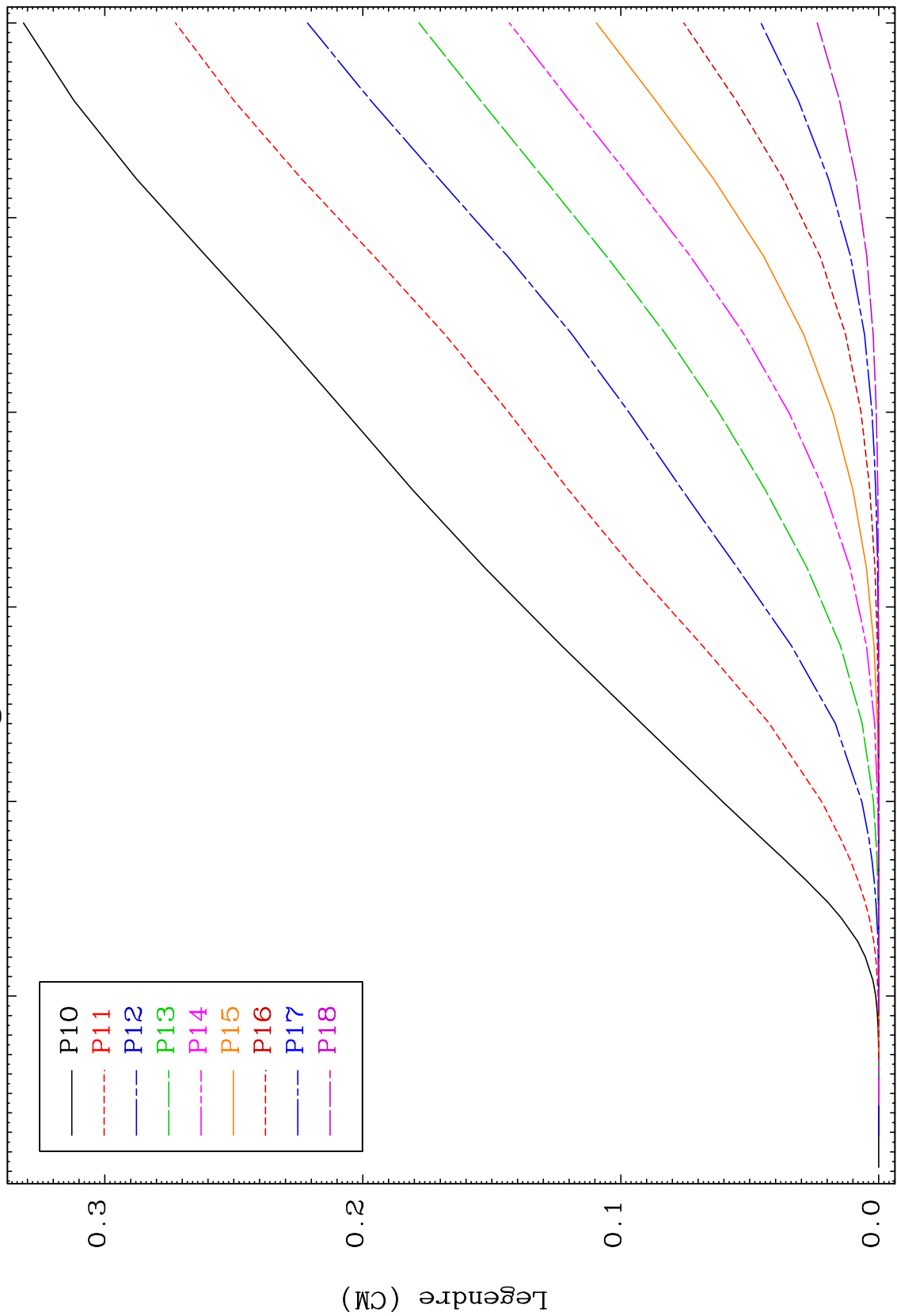
Incident Energy (MeV)

64-Gd-138

MAT 6383

Elastic
Legendre Coefficients

64-Gd-138



17

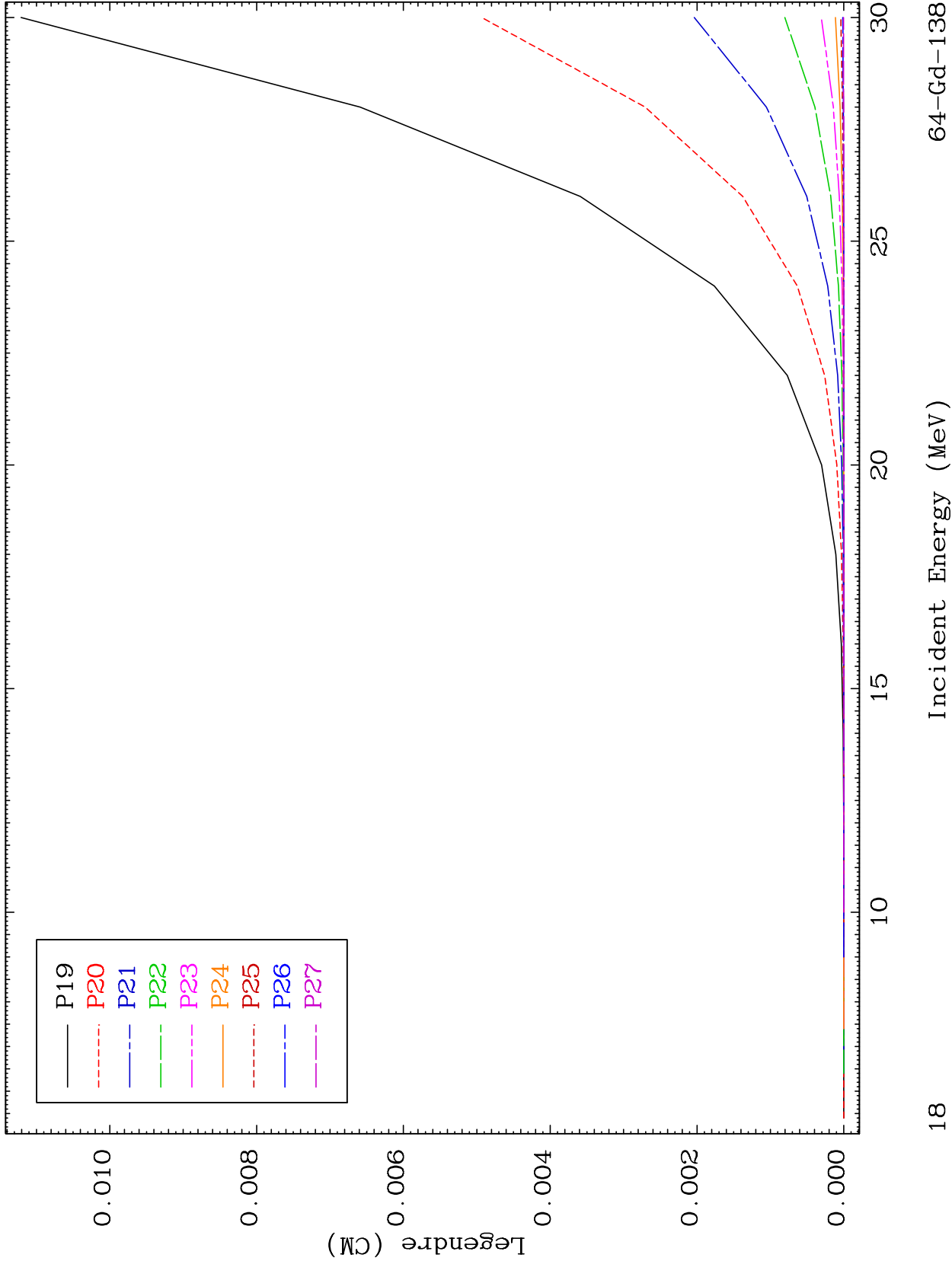
Incident Energy (MeV)

64-Gd-138

MAT 6383

Elastic Legendre Coefficients

64-Gd-138



18

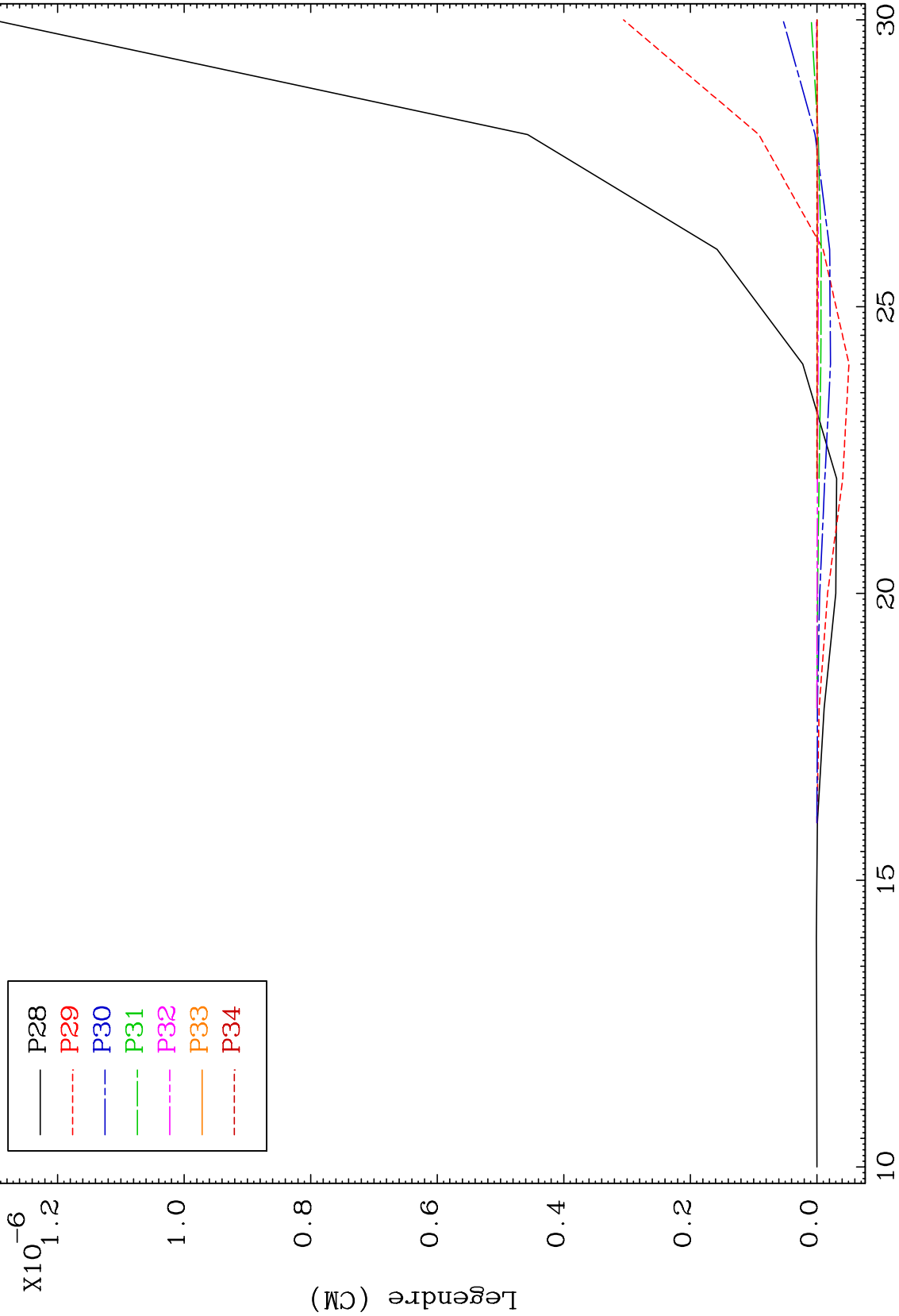
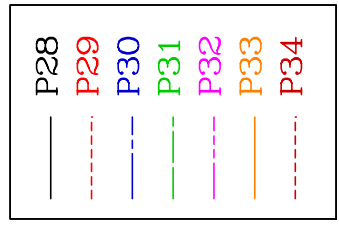
Incident Energy (MeV)

64-Gd-138

MAT 6383

Elastic Legendre Coefficients

64-Gd-138



19

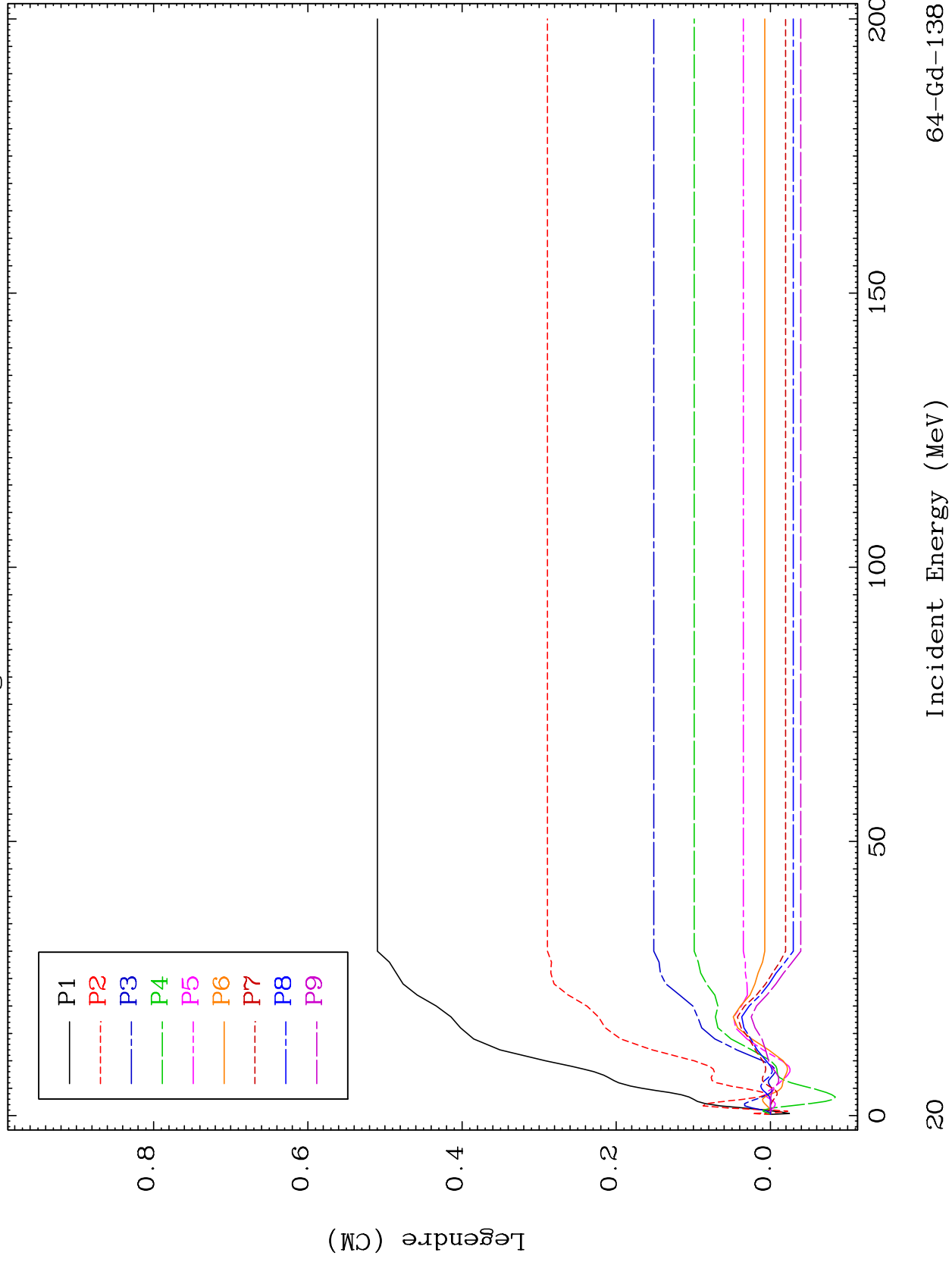
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

64-Gd-138



64-Gd-138

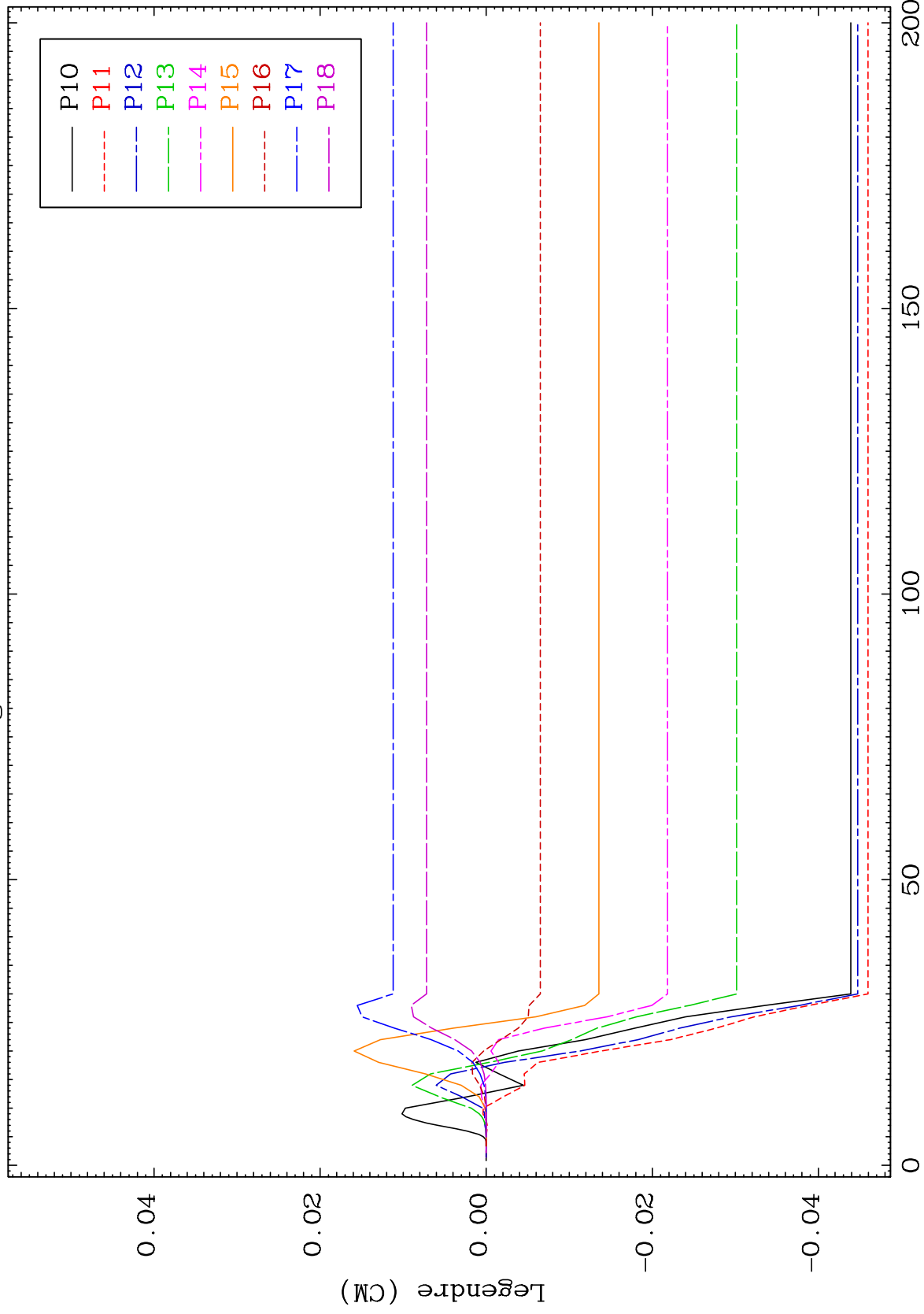
Incident Energy (MeV)

0

MAT 6383

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

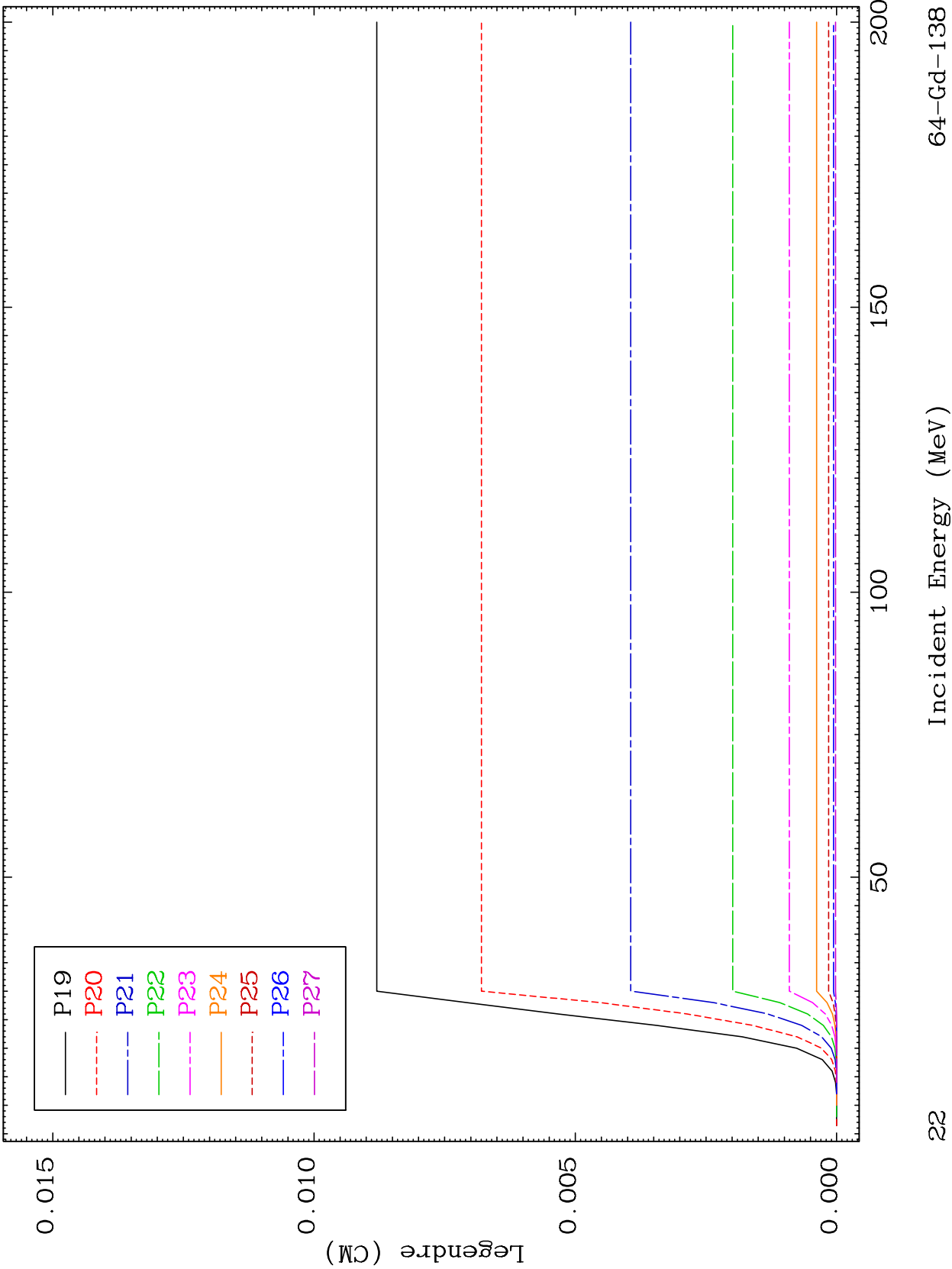
64-Gd-138



21

Incident Energy (MeV)

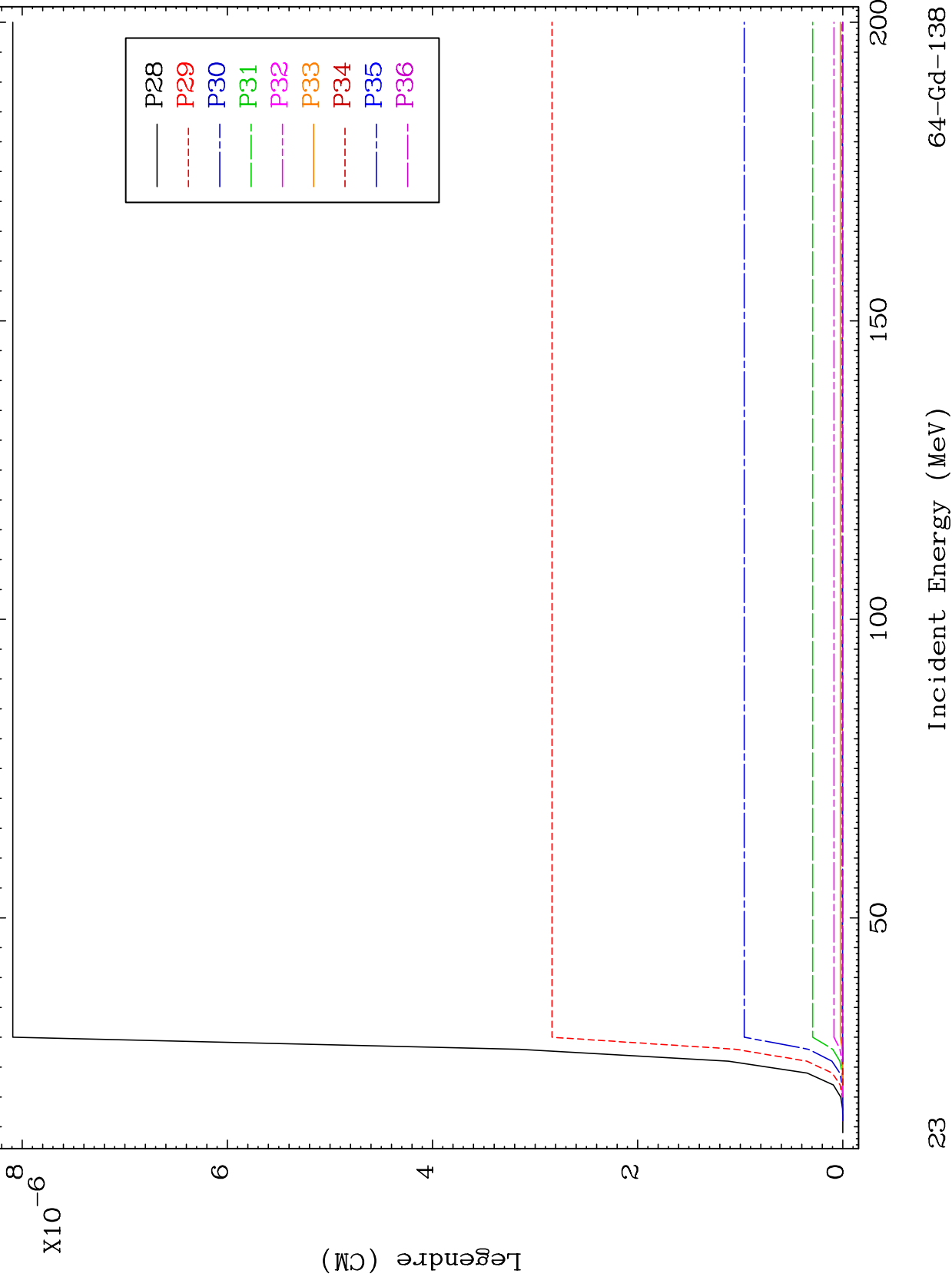
64-Gd-138



MAT 6383

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

64-Gd-138



23

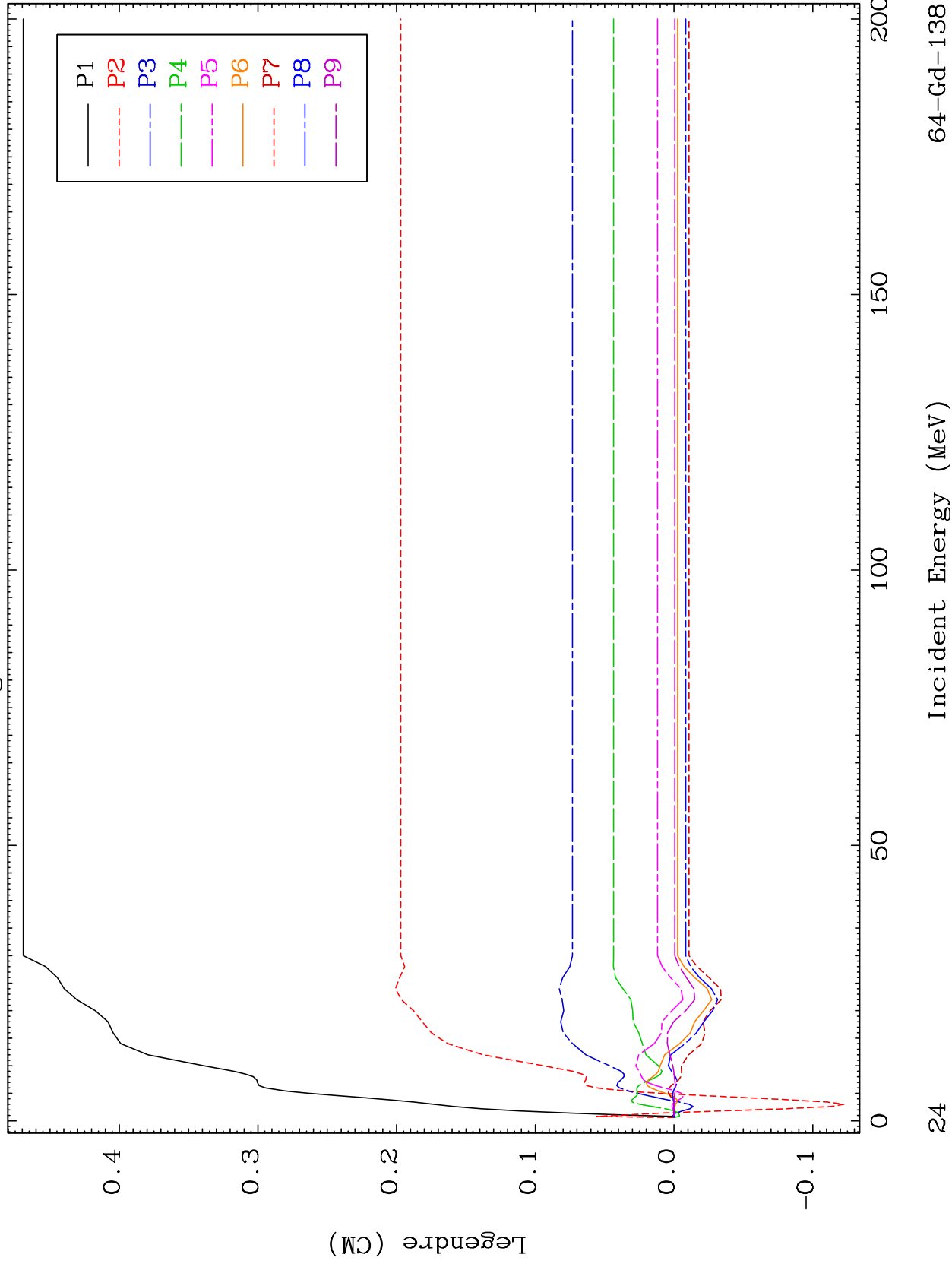
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

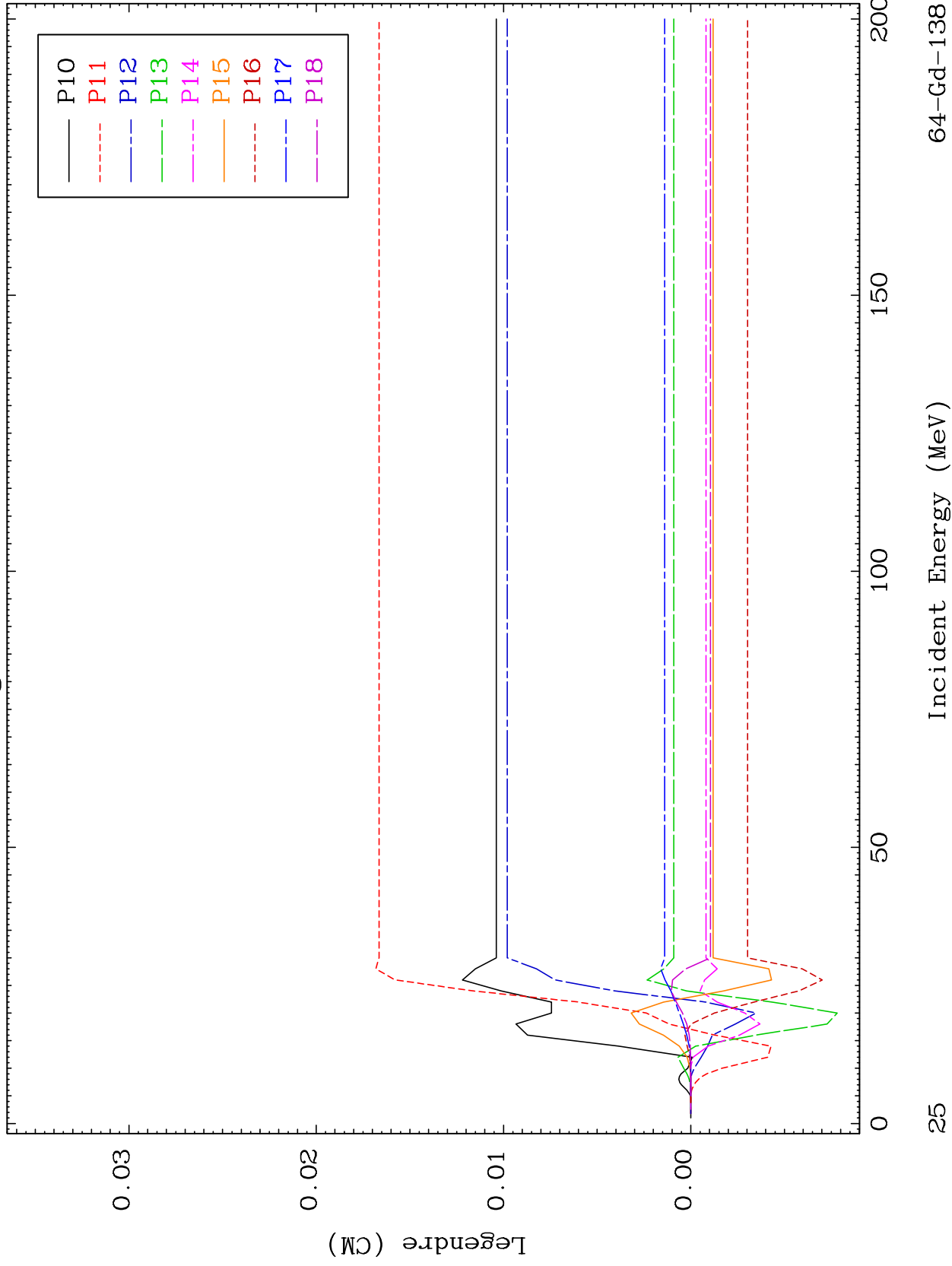
64-Gd-138



MAT 6383

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

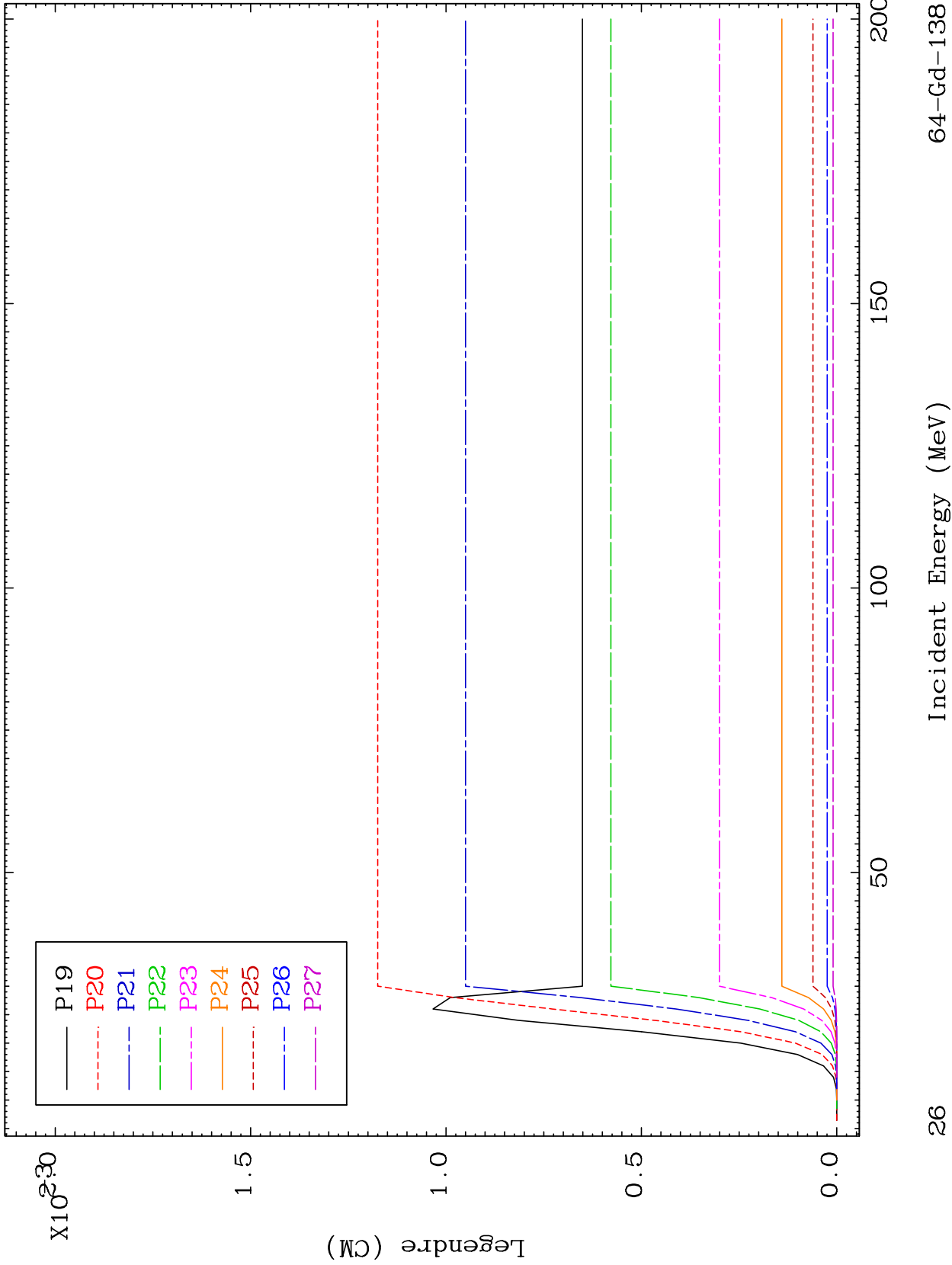
64-Gd-138



64-Gd-138

Incident Energy (MeV)

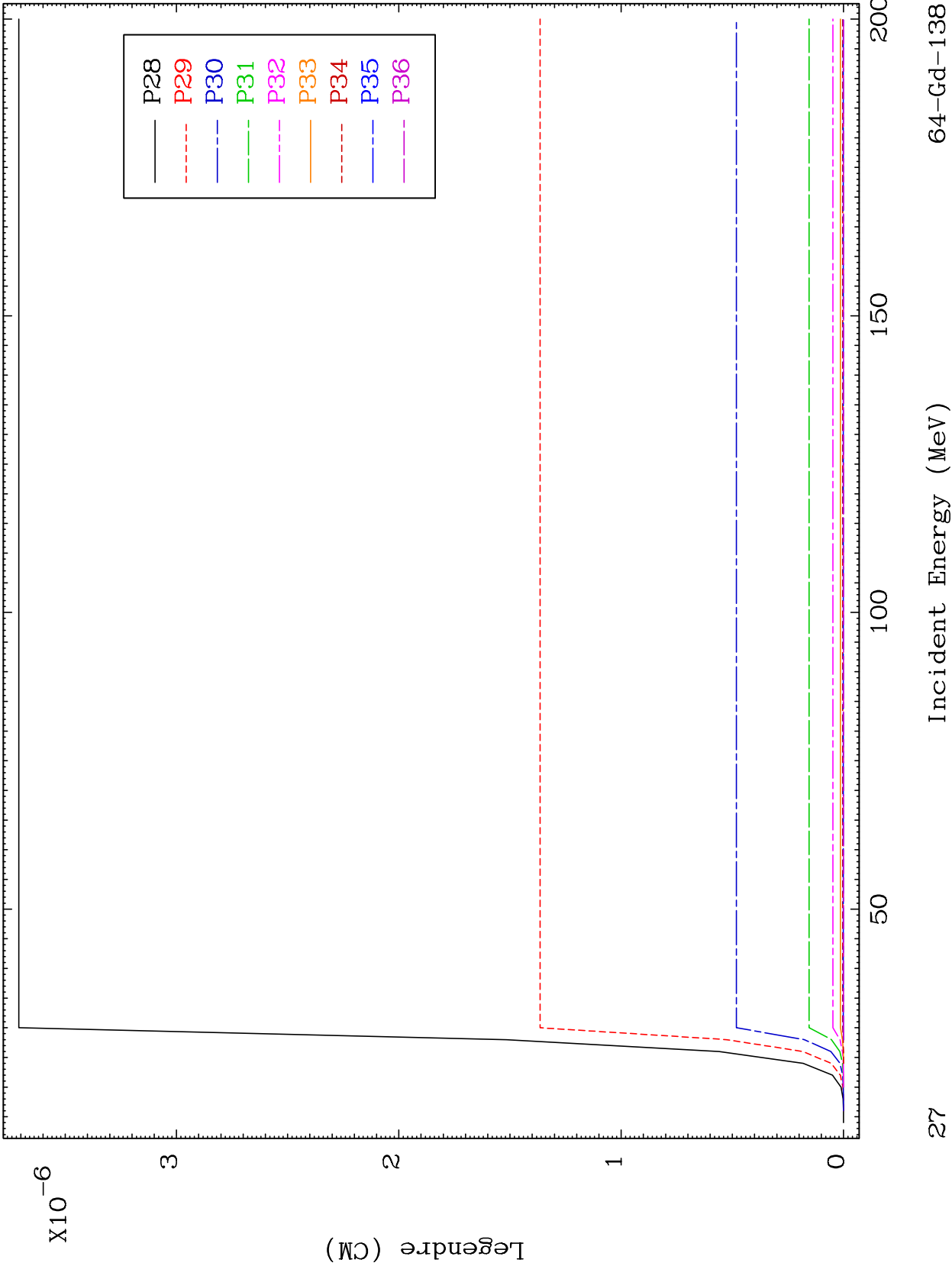
25



MAT 6383

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

64-Gd-138

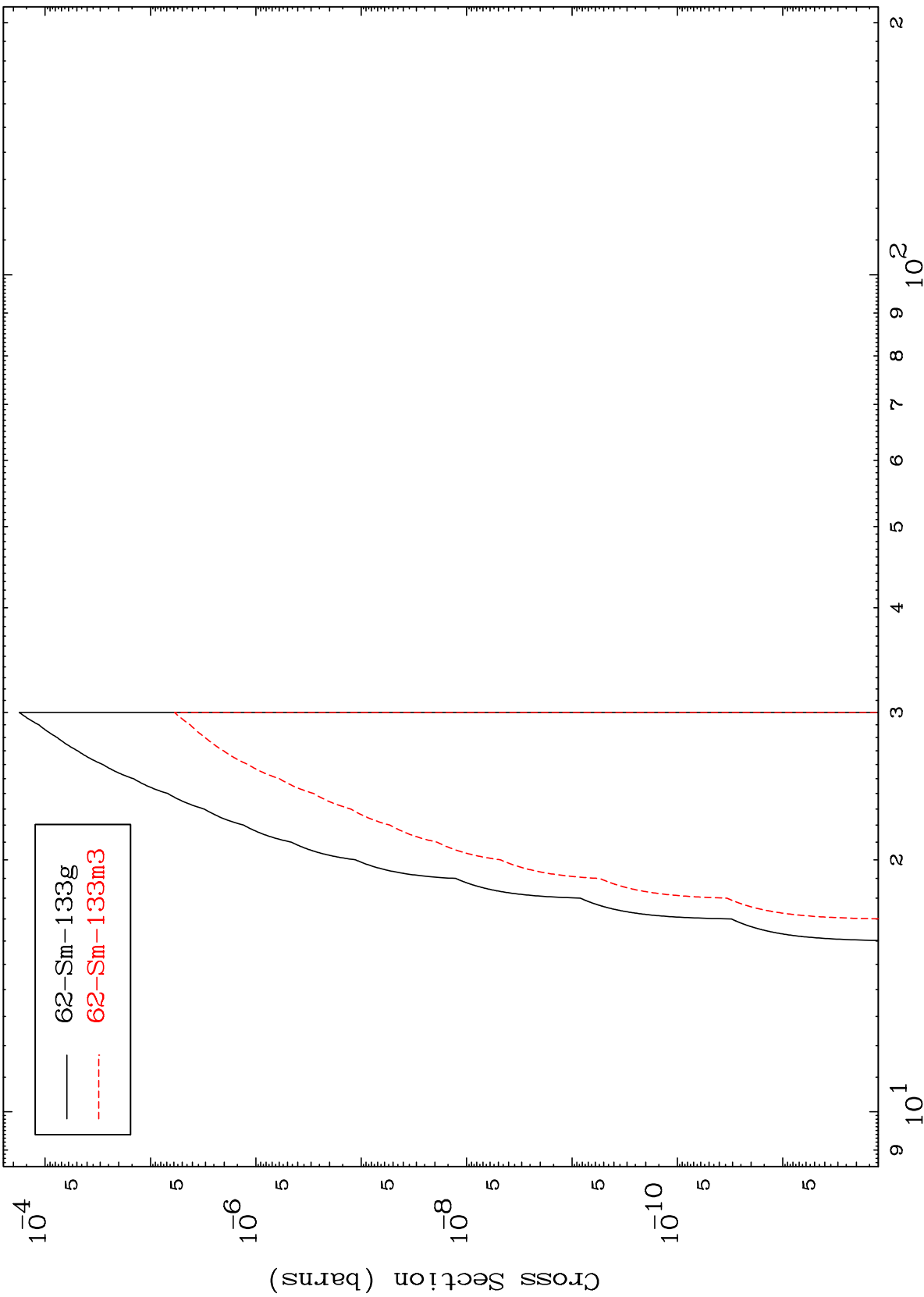


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(n,2n) α

64-Gd-138

Radionuclide Production Cross Section



28

Incident Energy (MeV)

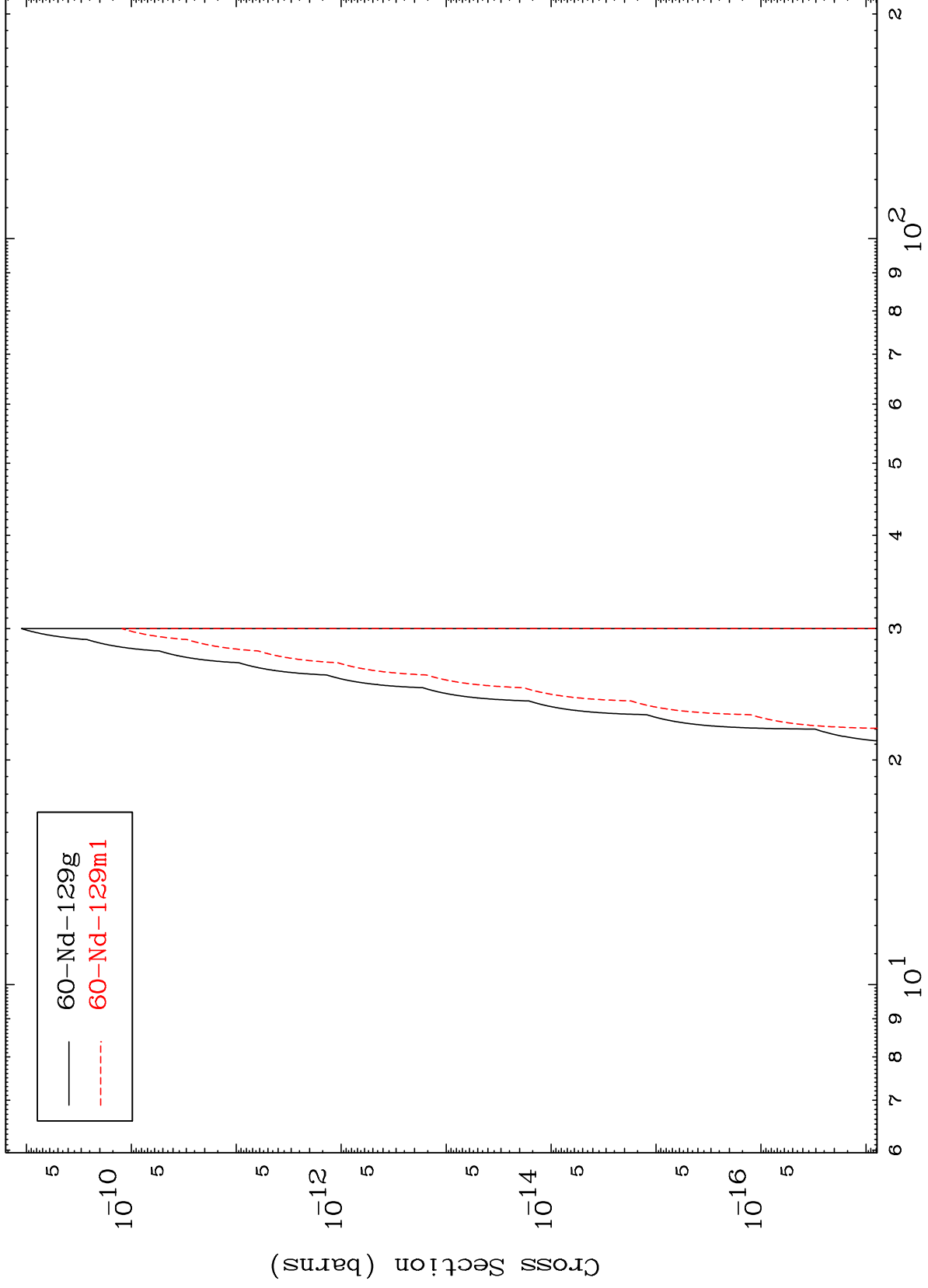
64-Gd-138

MAT 6383

$(n,2n) 2\alpha$

64-Gd-138

Radionuclide Production Cross Section



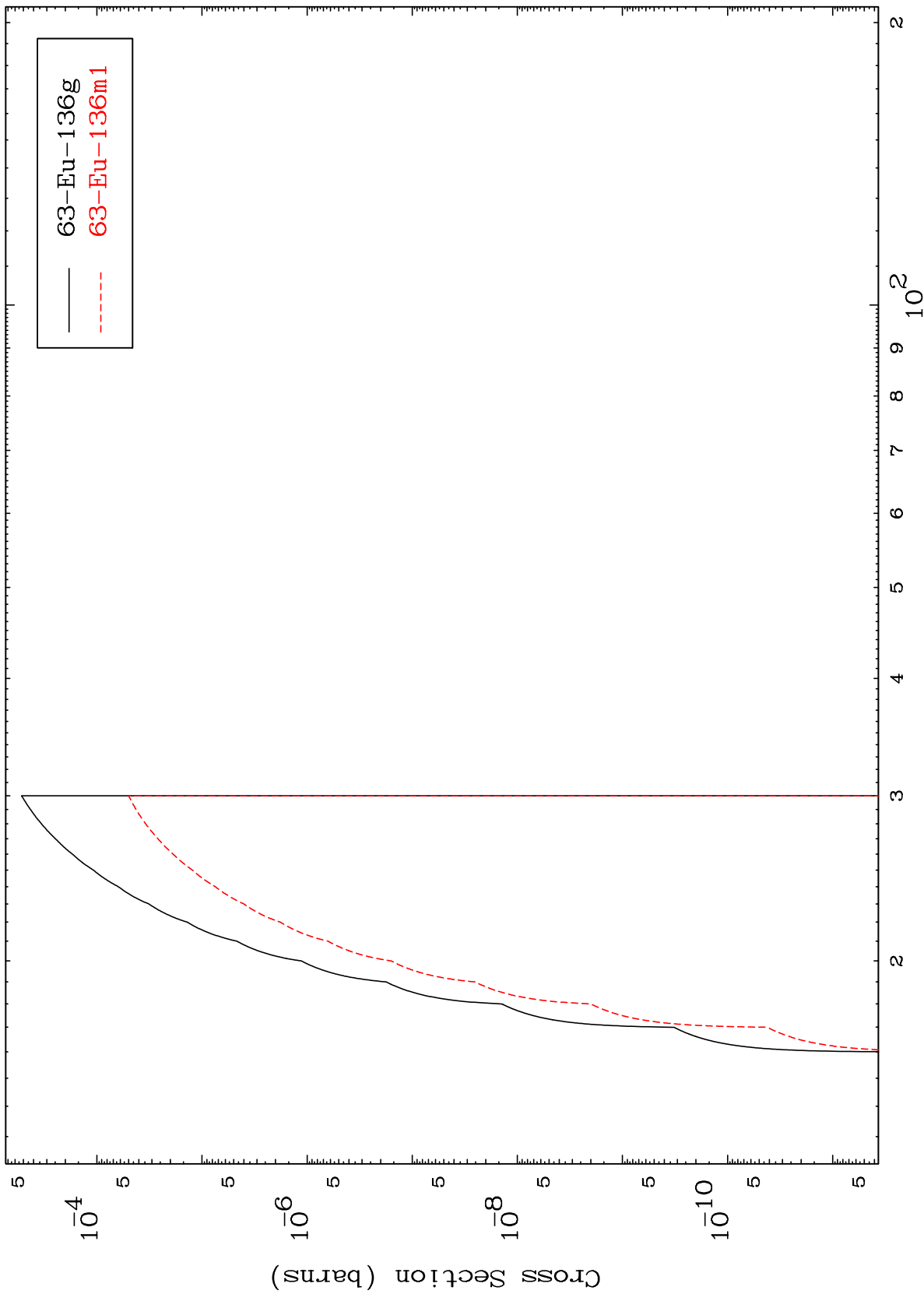
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60-Nd-129m1

29

Incident Energy (MeV)

64-Gd-138

Radionuclide Production Cross Section

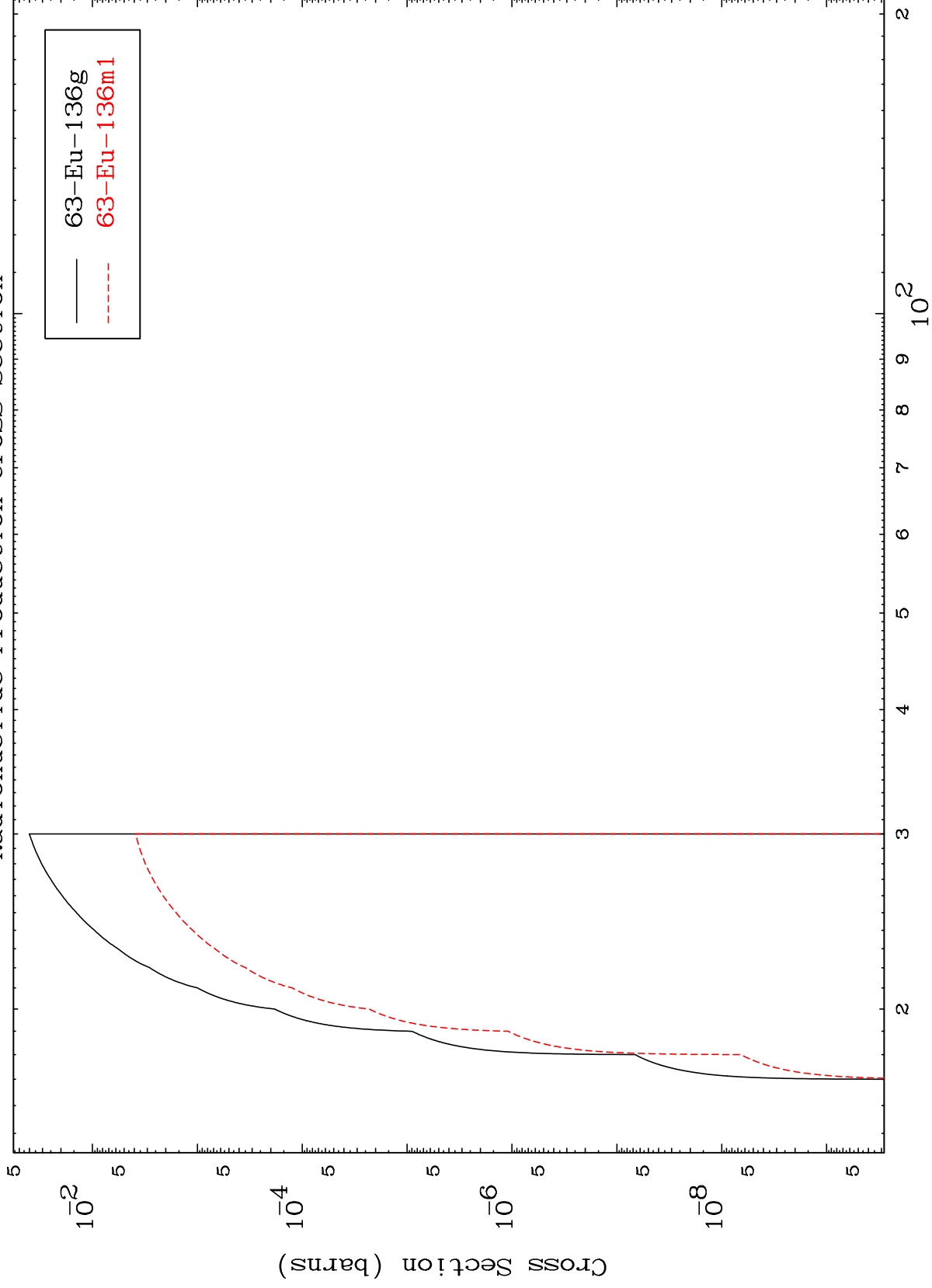


MAT 6383

(n,2n) p

64-Gd-138

Radionuclide Production Cross Section



31

Incident Energy (MeV)

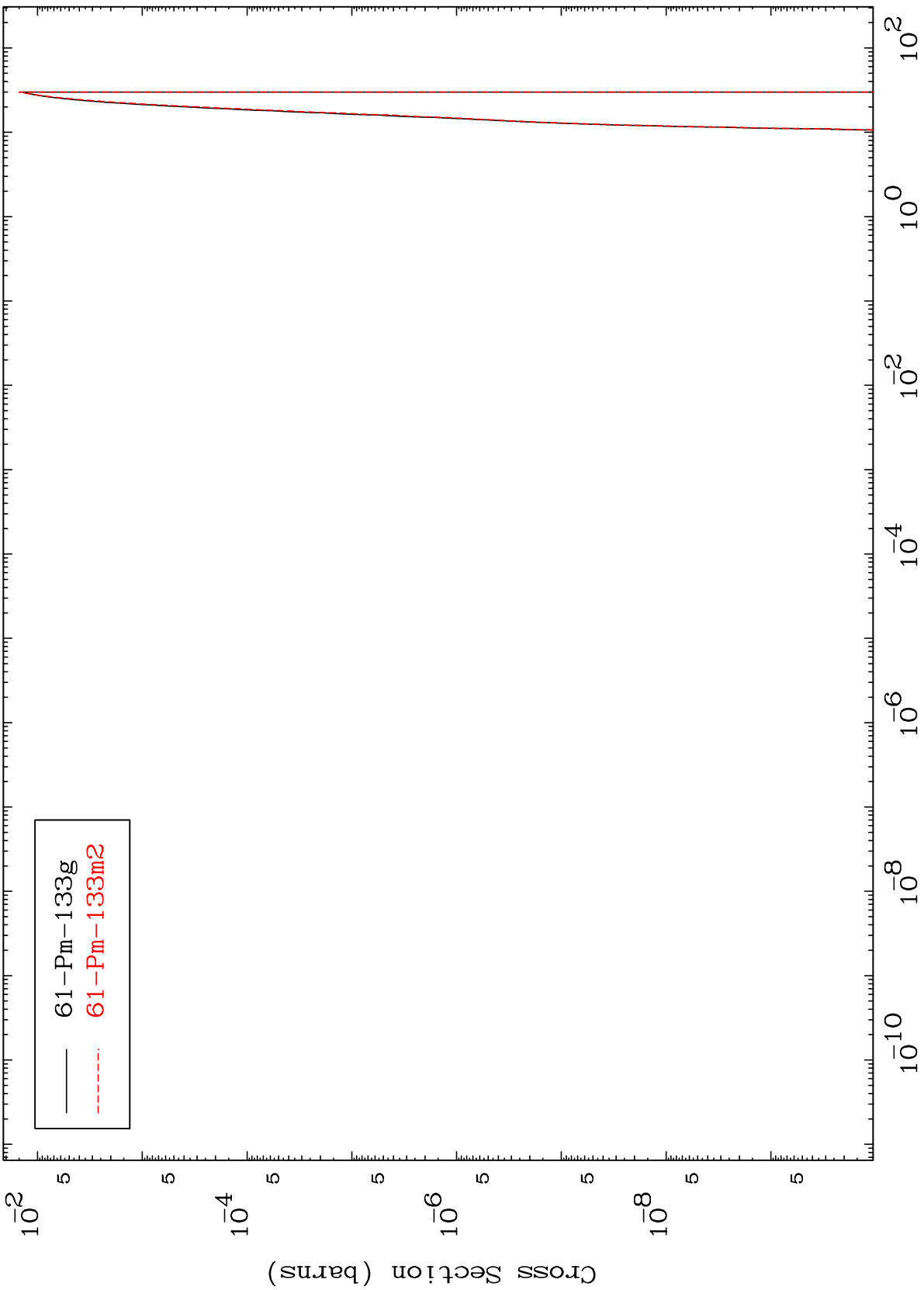
64-Gd-138

MAT 6383

(n,n') p α

64-Gd-138

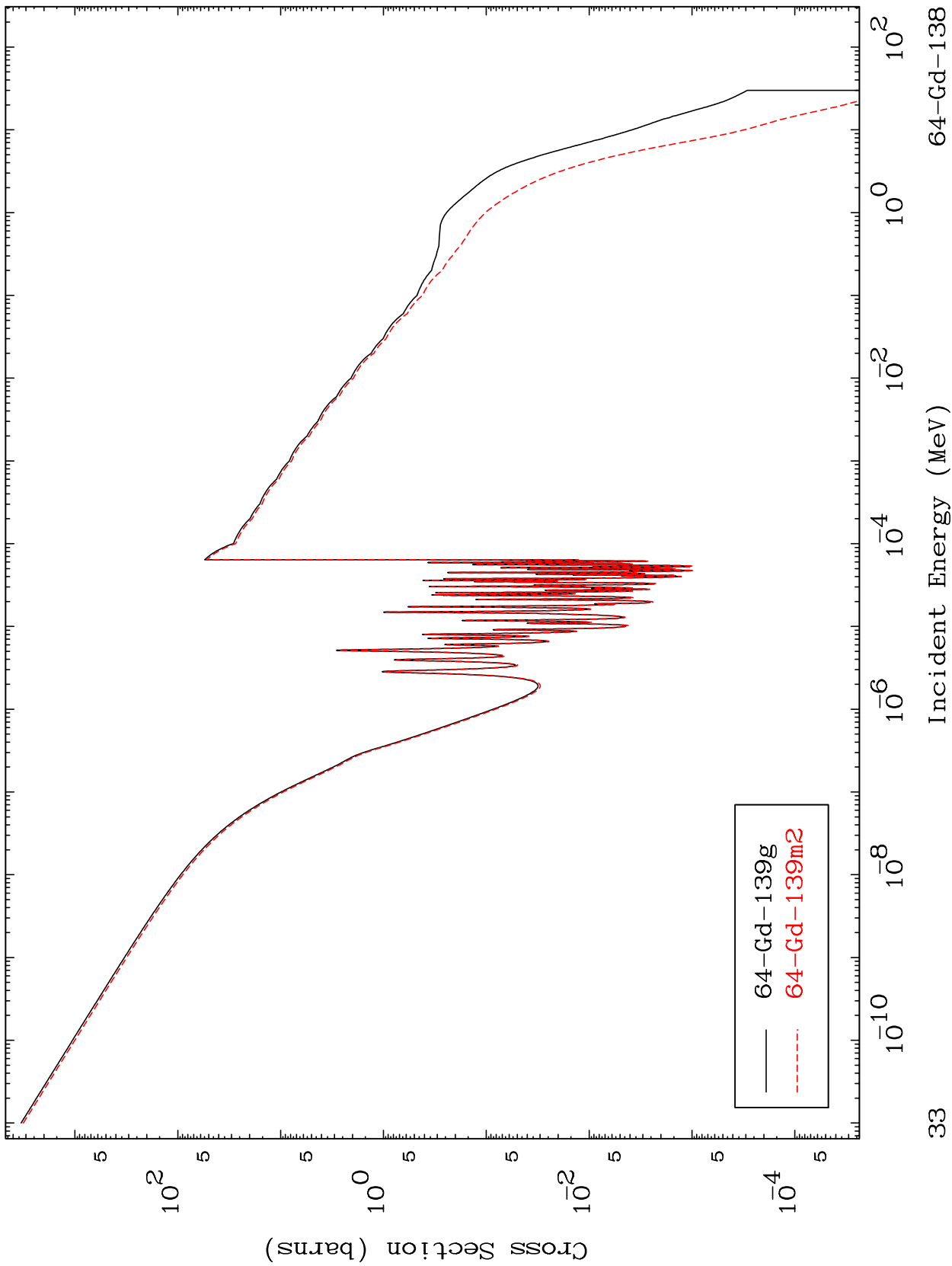
Radionuclide Production Cross Section



MAT 6383

64-Gd-138

(n, γ)
Radionuclide Production Cross Section



33

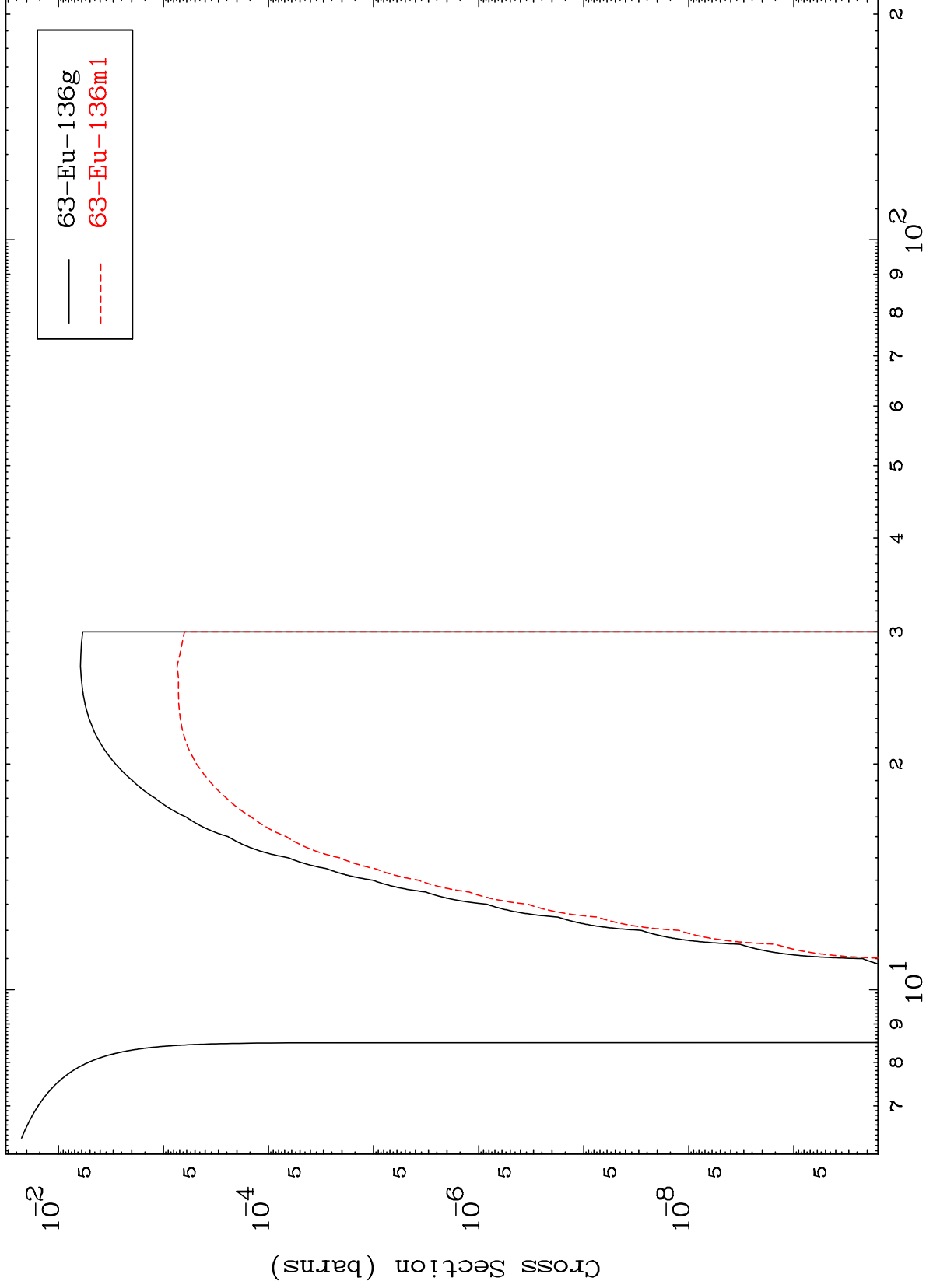
64-Gd-138

MAT 6383

(n, t)

64-Gd-138

Radionuclide Production Cross Section



34

Incident Energy (MeV)

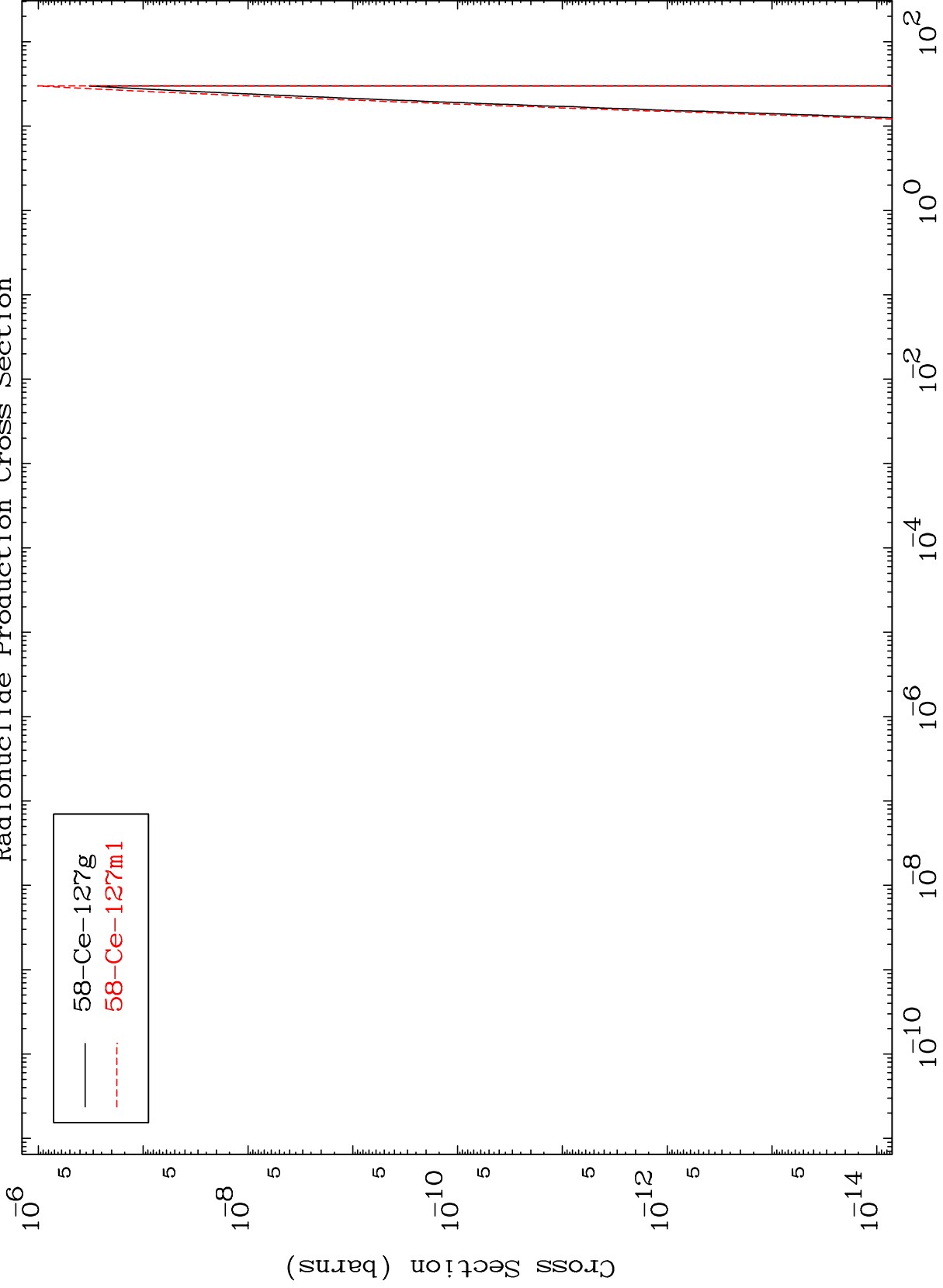
64-Gd-138

MAT 6383

(n, 3α)

64-Gd-138

Radionuclide Production Cross Section



Incident Energy (MeV)

64-Gd-138

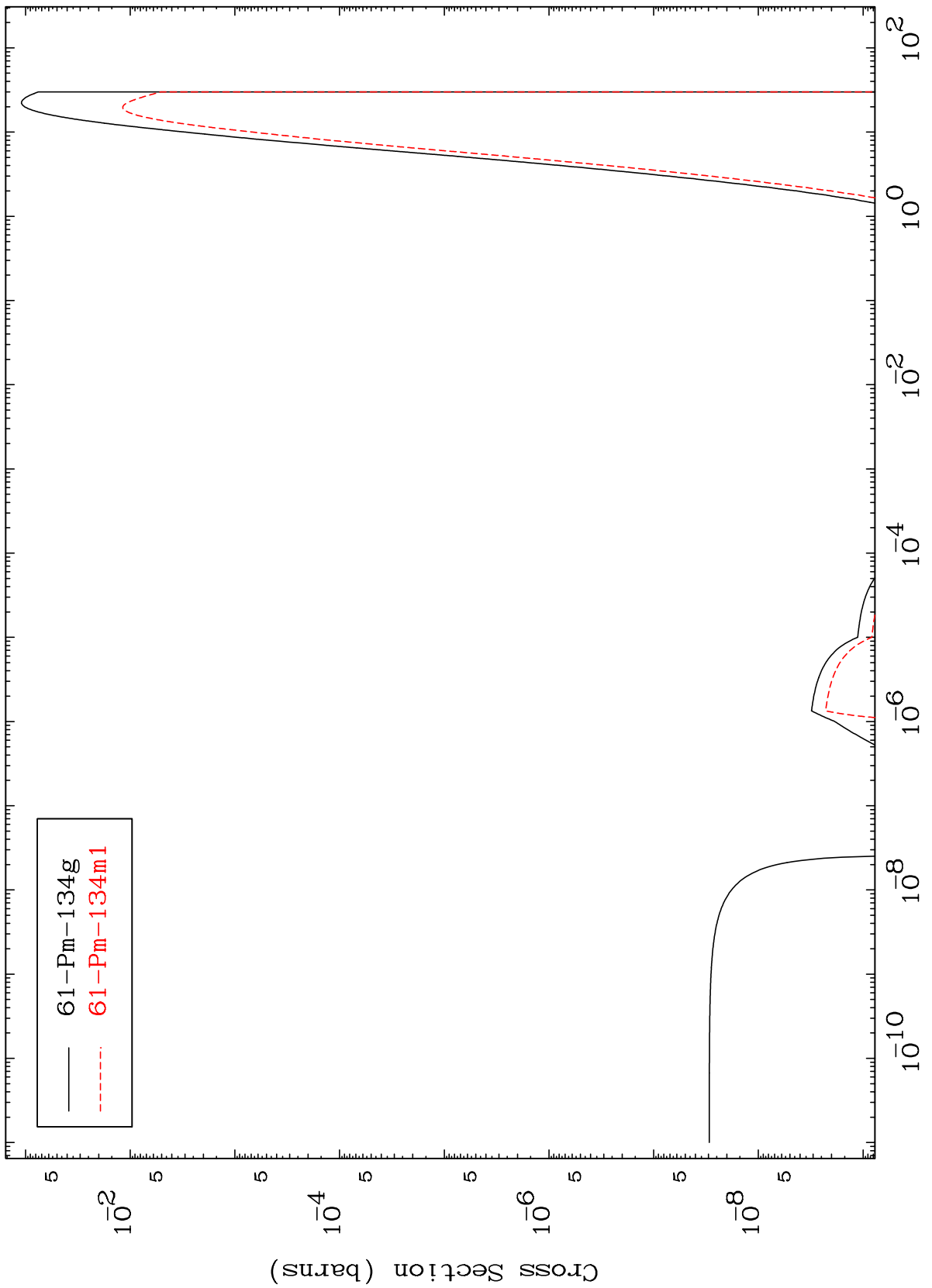
35

MAT 6383

(n,p) α

64-Gd-138

Radionuclide Production Cross Section



36

Incident Energy (MeV)

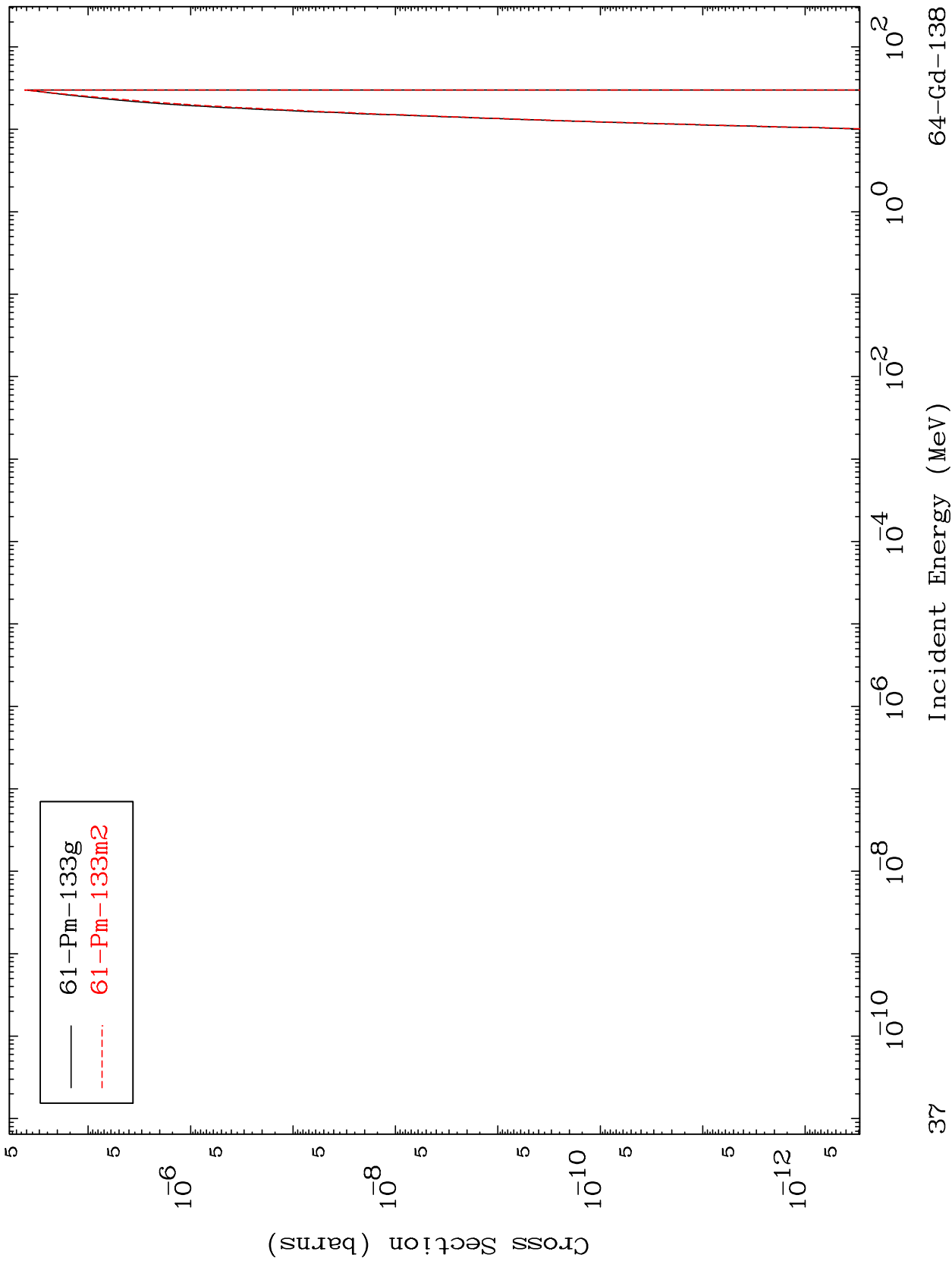
64-Gd-138

MAT 6383

(n,d) α

64-Gd-138

Radionuclide Production Cross Section



37

Incident Energy (MeV)

64-Gd-138