

Program EVALPLOT
(Version 2017-1)

by

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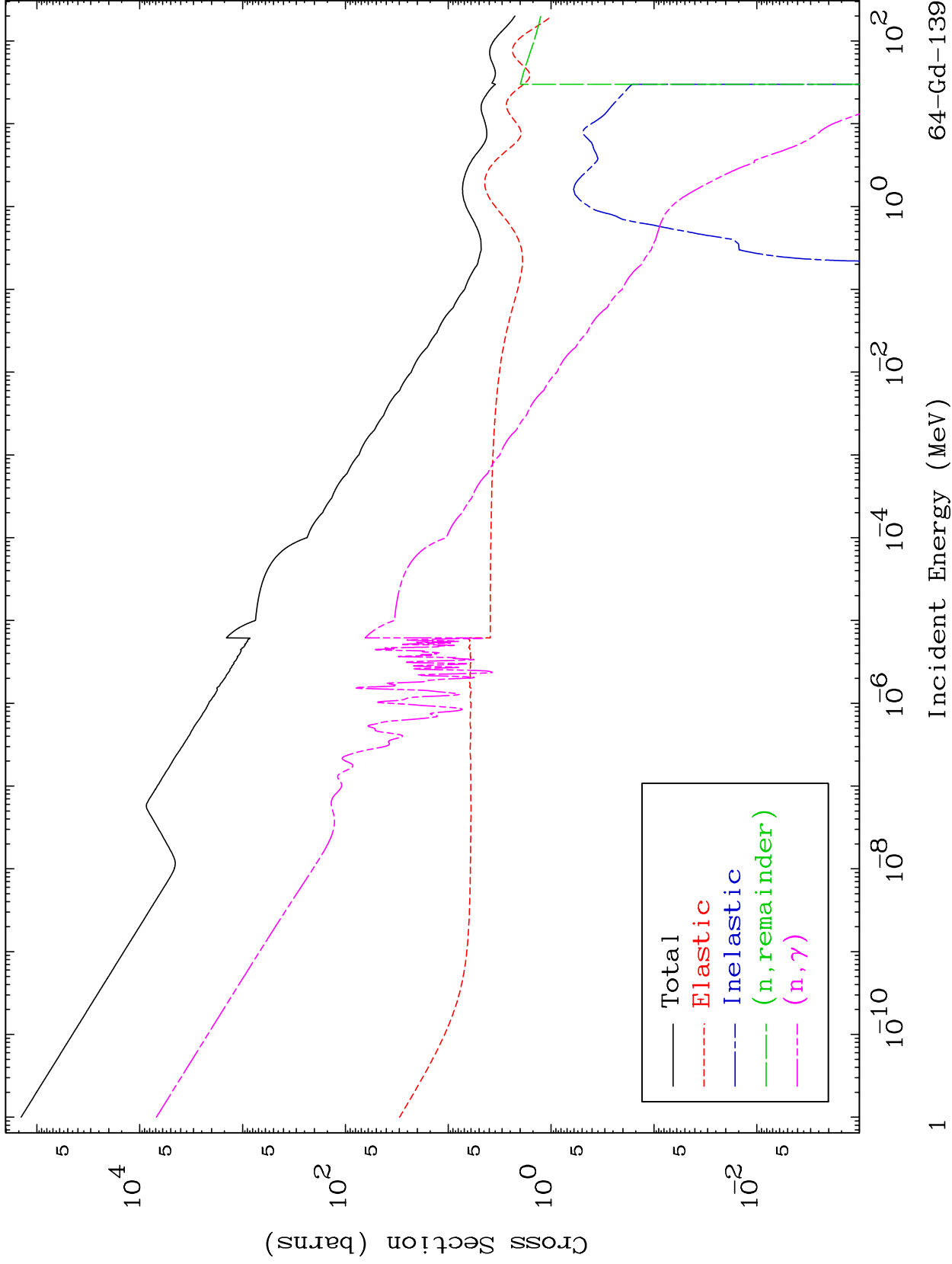
Press Mouse Button to Start

MAT 6386

Major

293 Kelvin Cross Sections

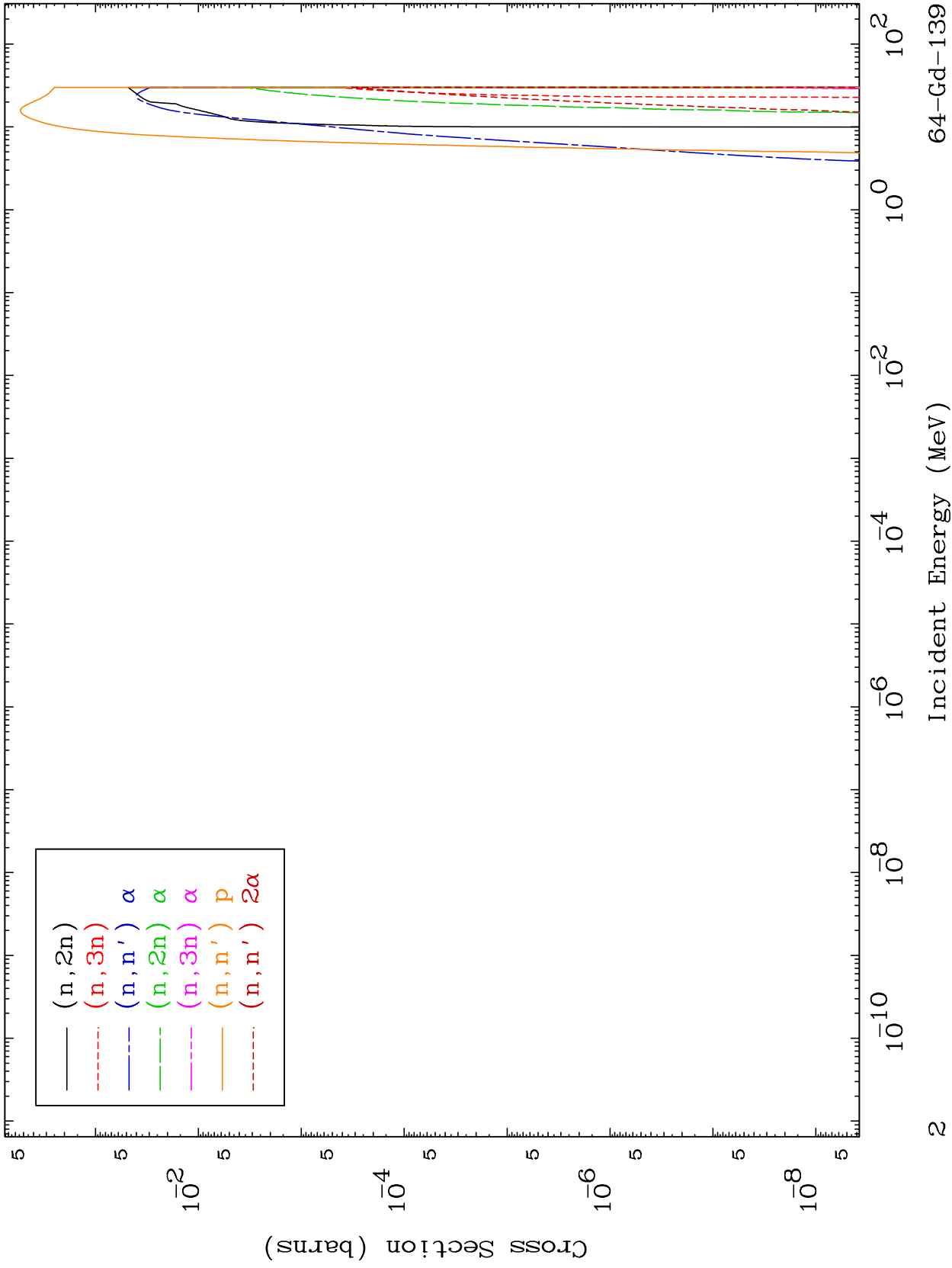
64-Gd-139

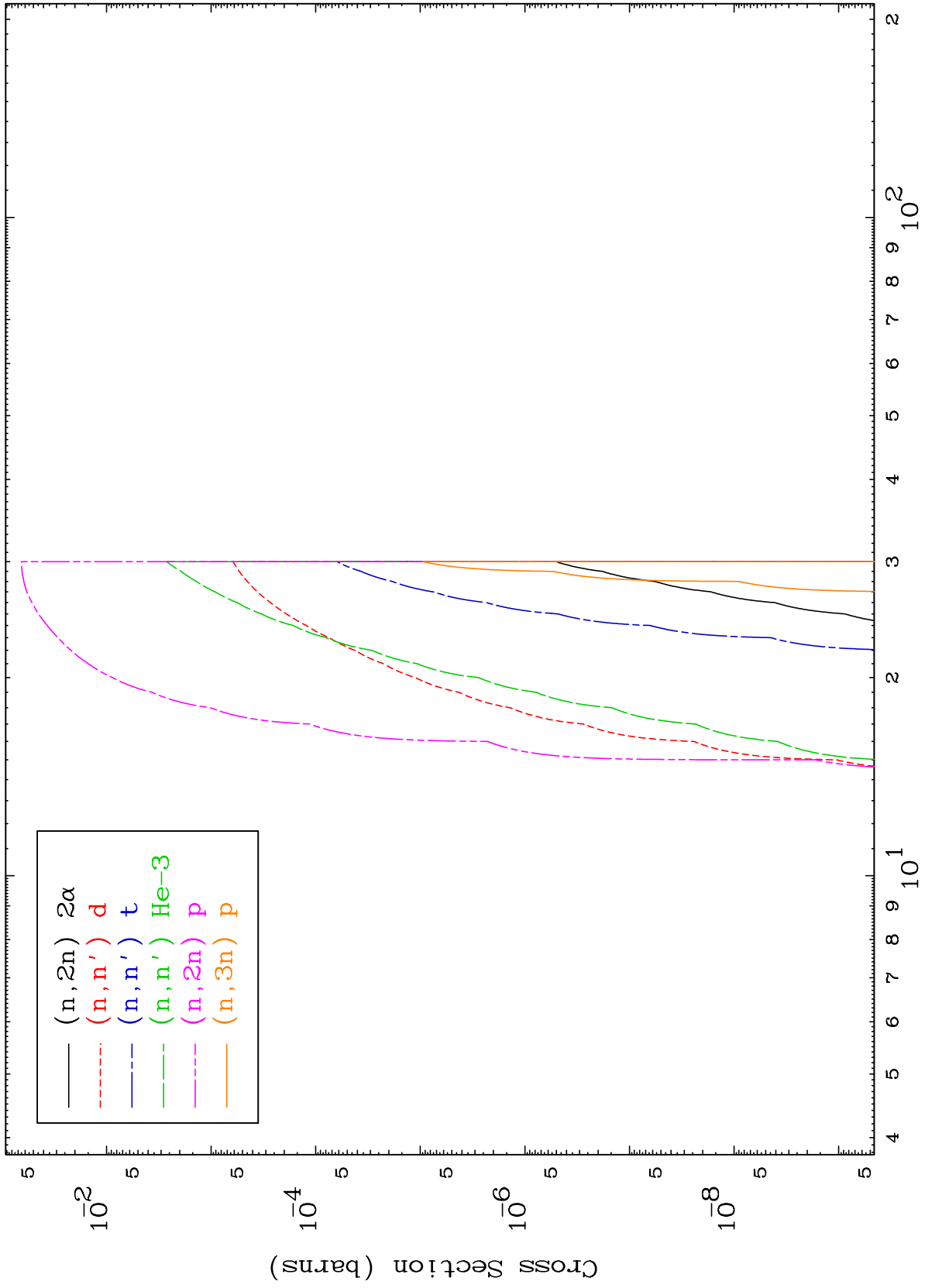


MAT 6386

Neutron Production
293 Kelvin Cross Sections

64-Gd-139

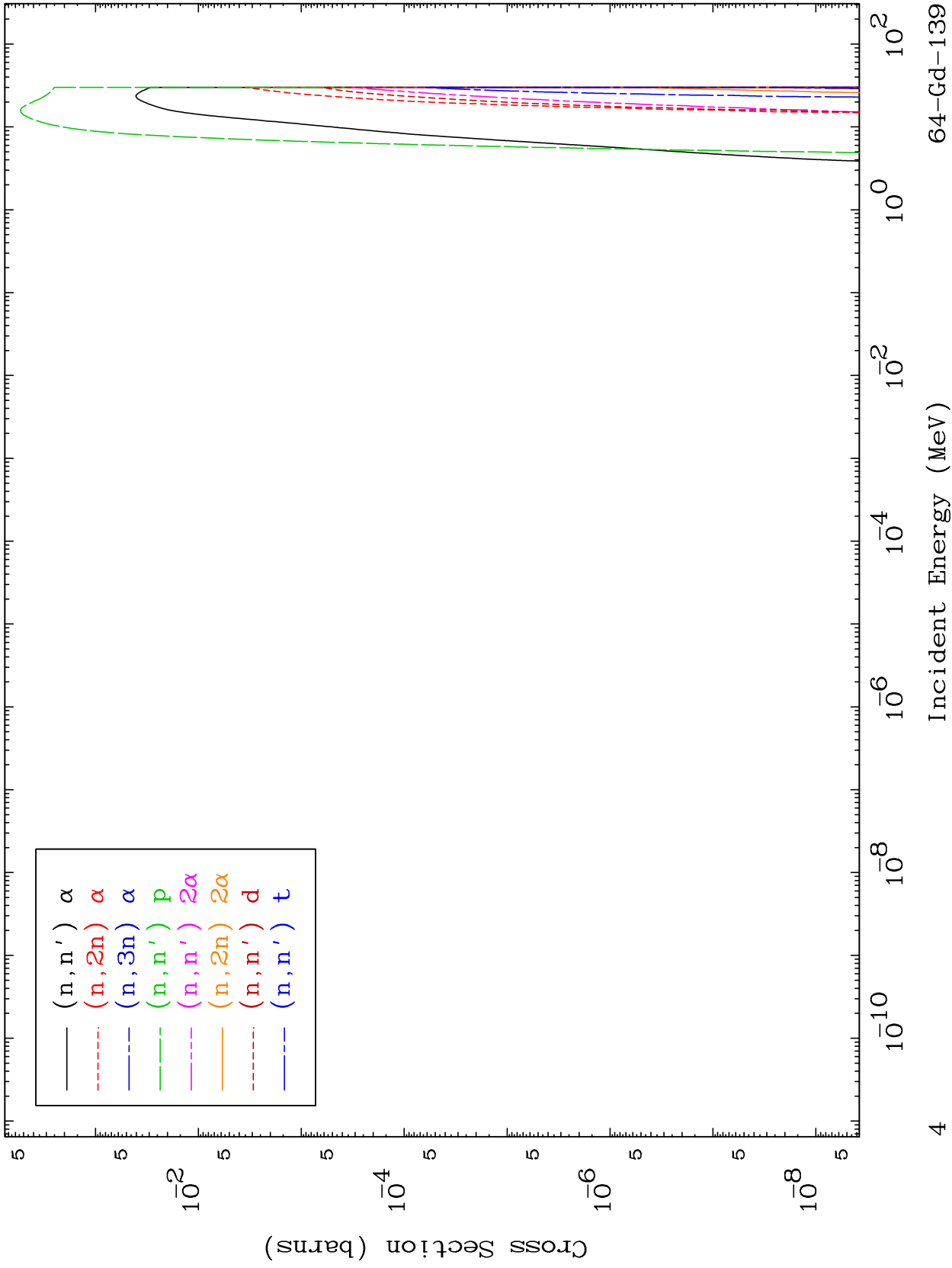




MAT 6386

Charged Particle
293 Kelvin Cross Sections

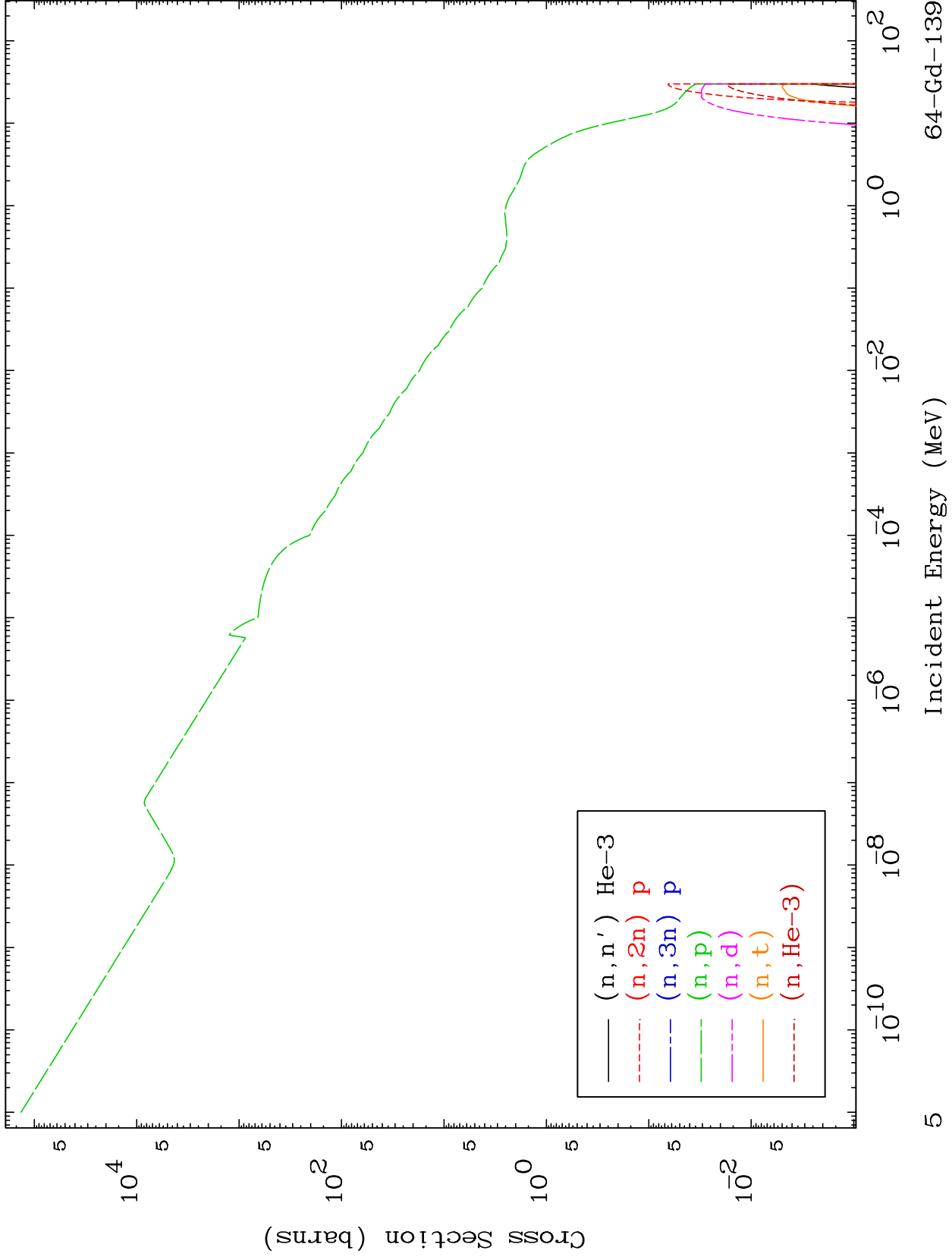
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MAT 6386

Charged Particle
293 Kelvin Cross Sections

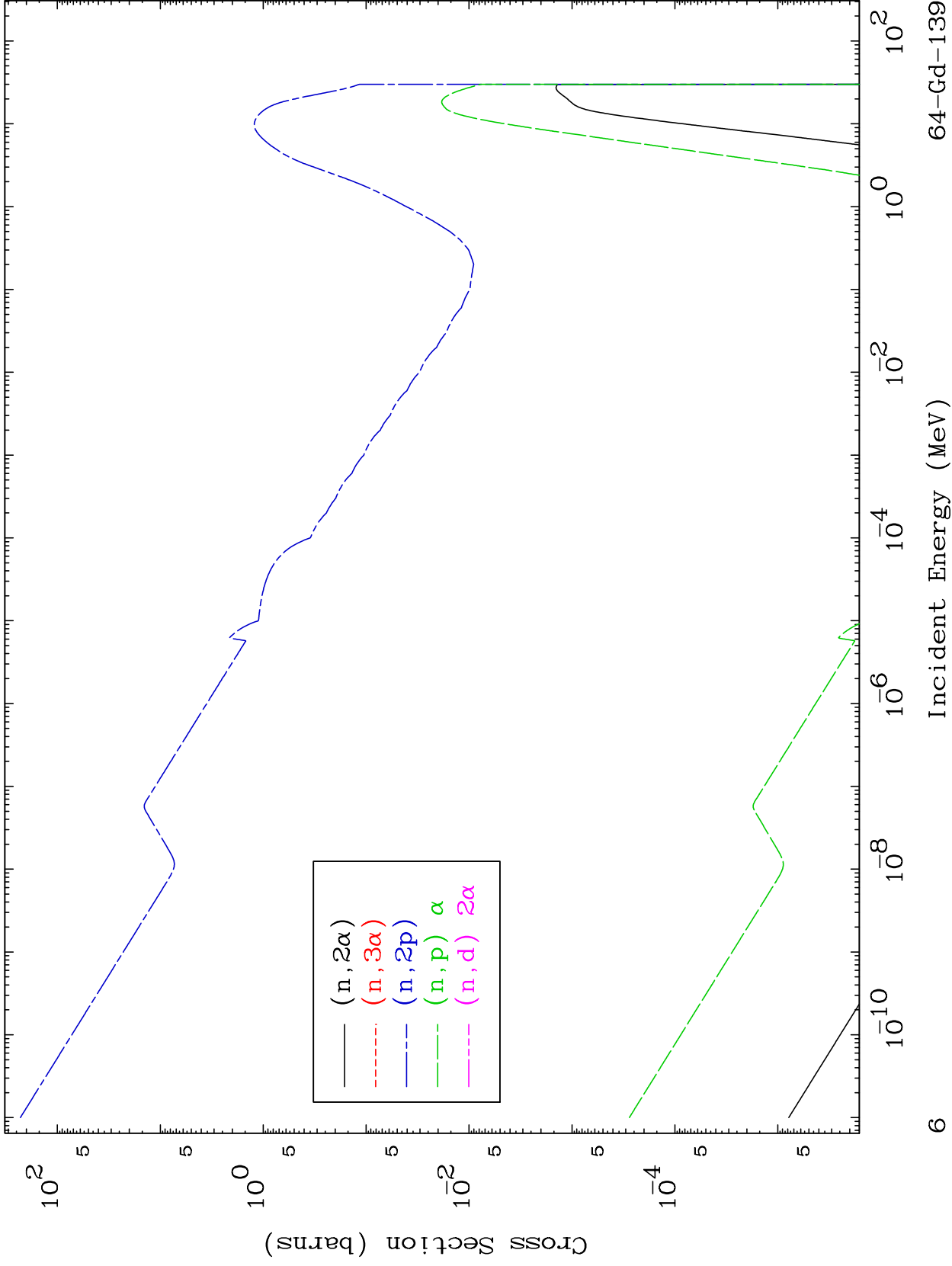
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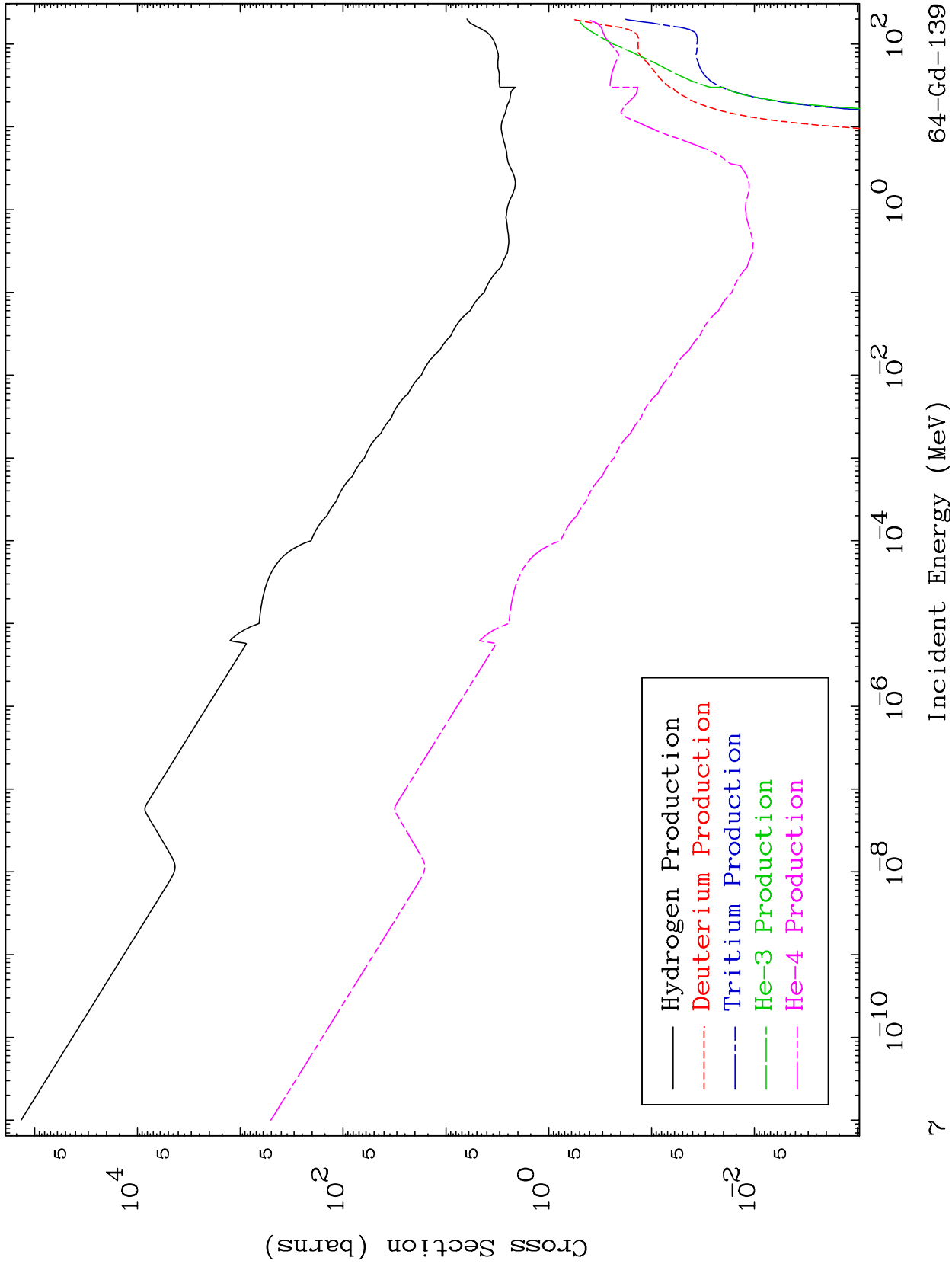


MAT 6386

Charged Particle
293 Kelvin Cross Sections

64-Gd-139



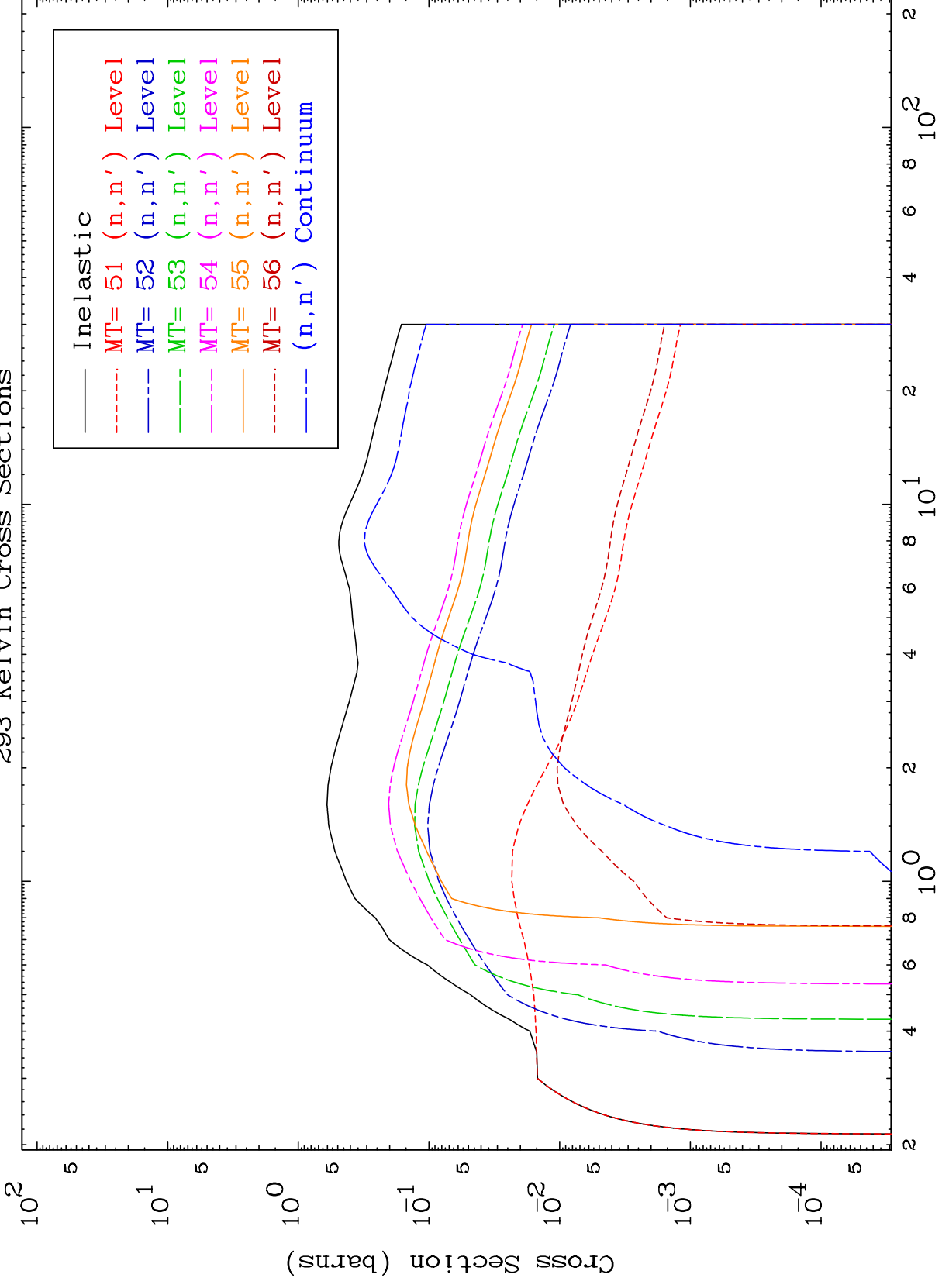


MAT 6386

(n,n') Level

64-Gd-139

293 Kelvin Cross Sections



Incident Energy (MeV)

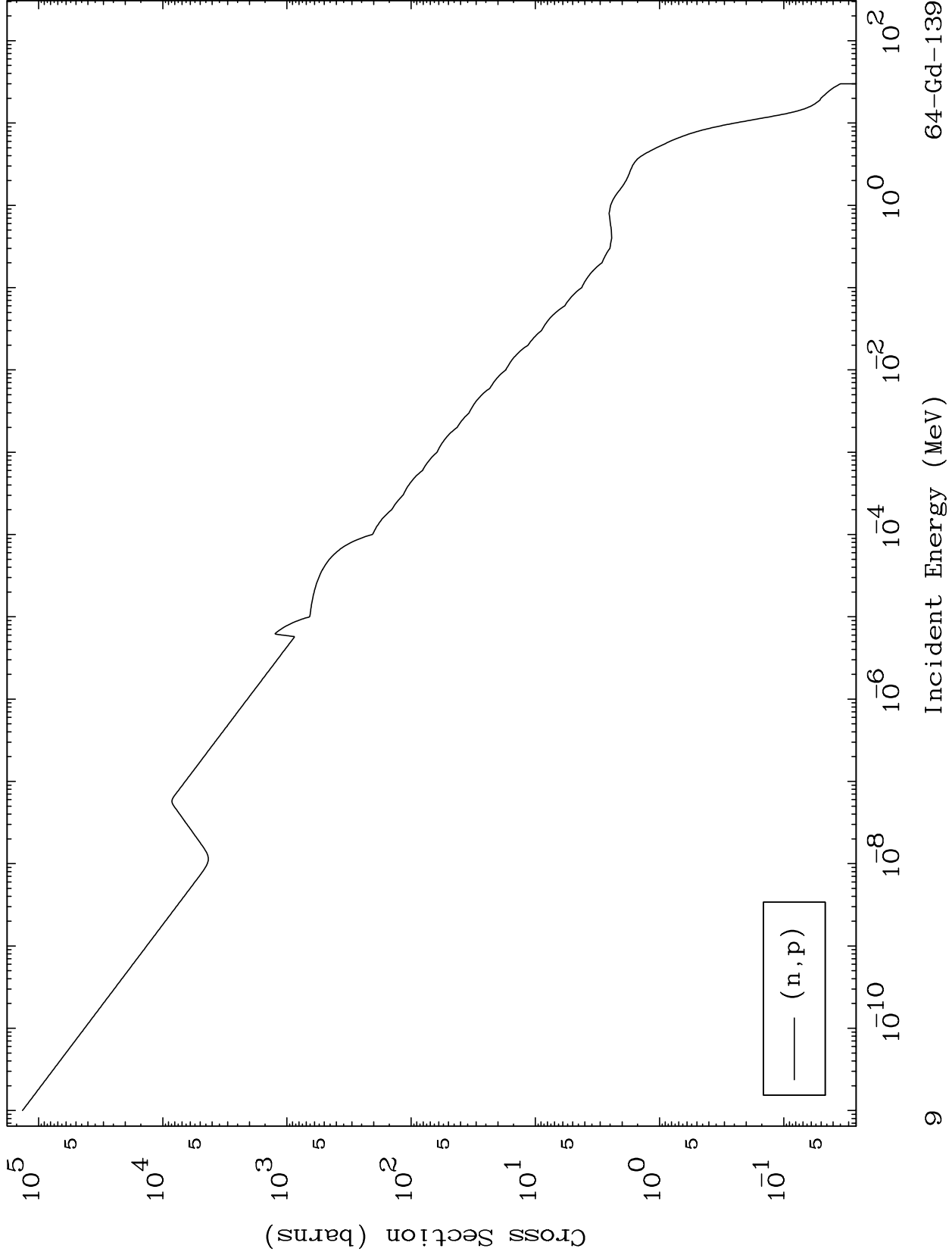
64-Gd-139

8

MAT 6386

(n,p) Levels
293 Kelvin Cross Sections

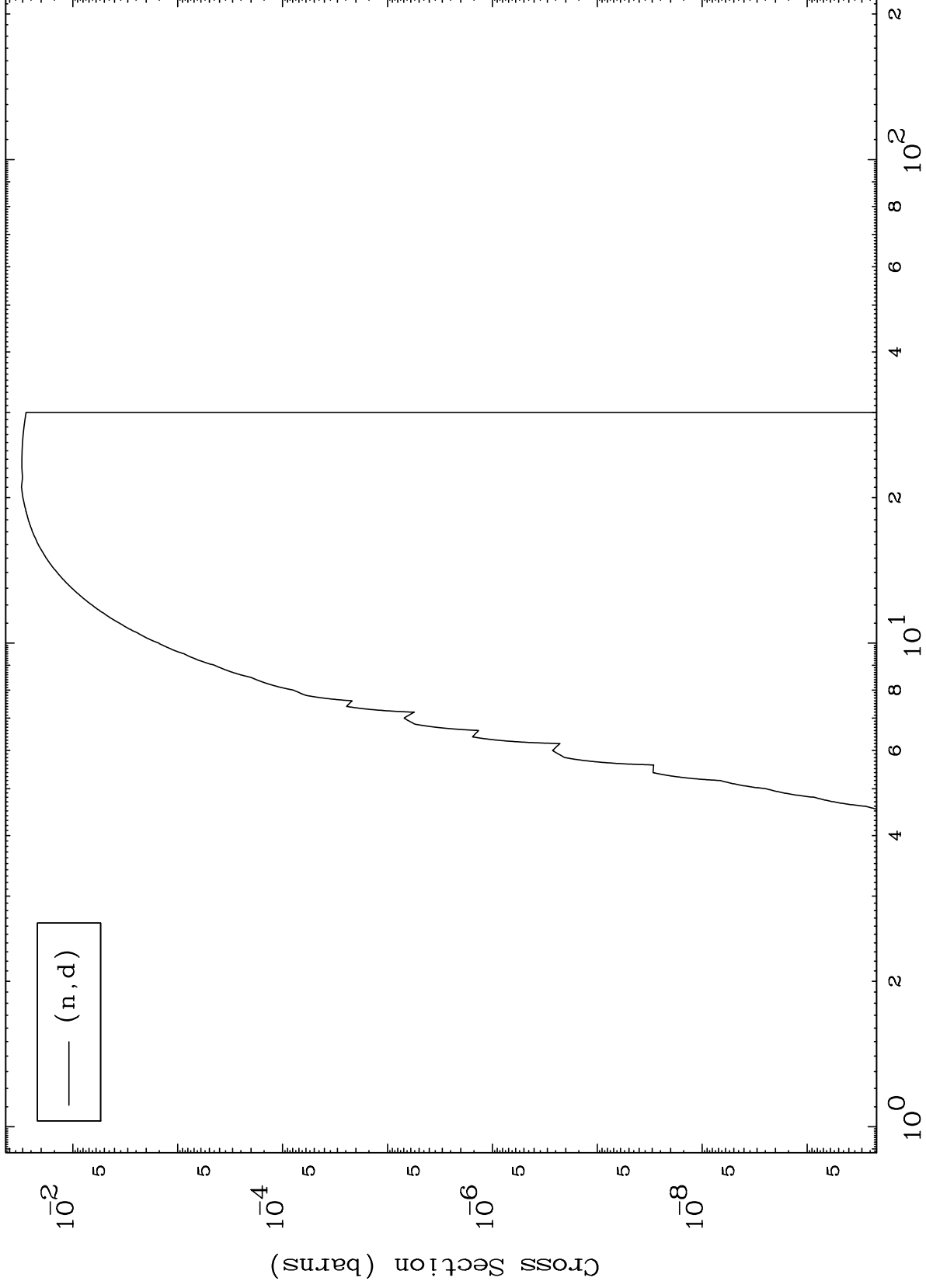
64-Gd-139



MAT 6386

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-139



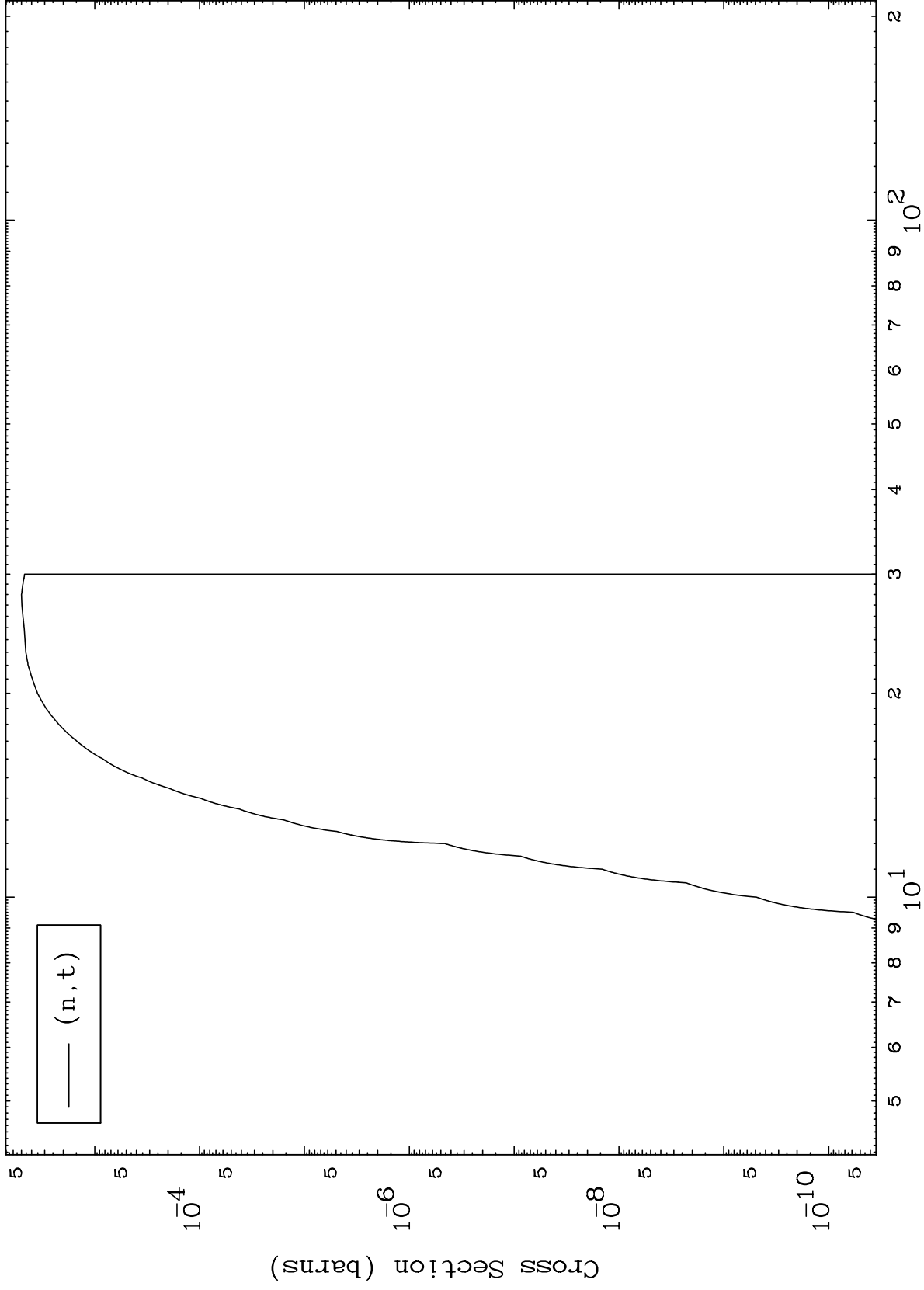
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-139



11

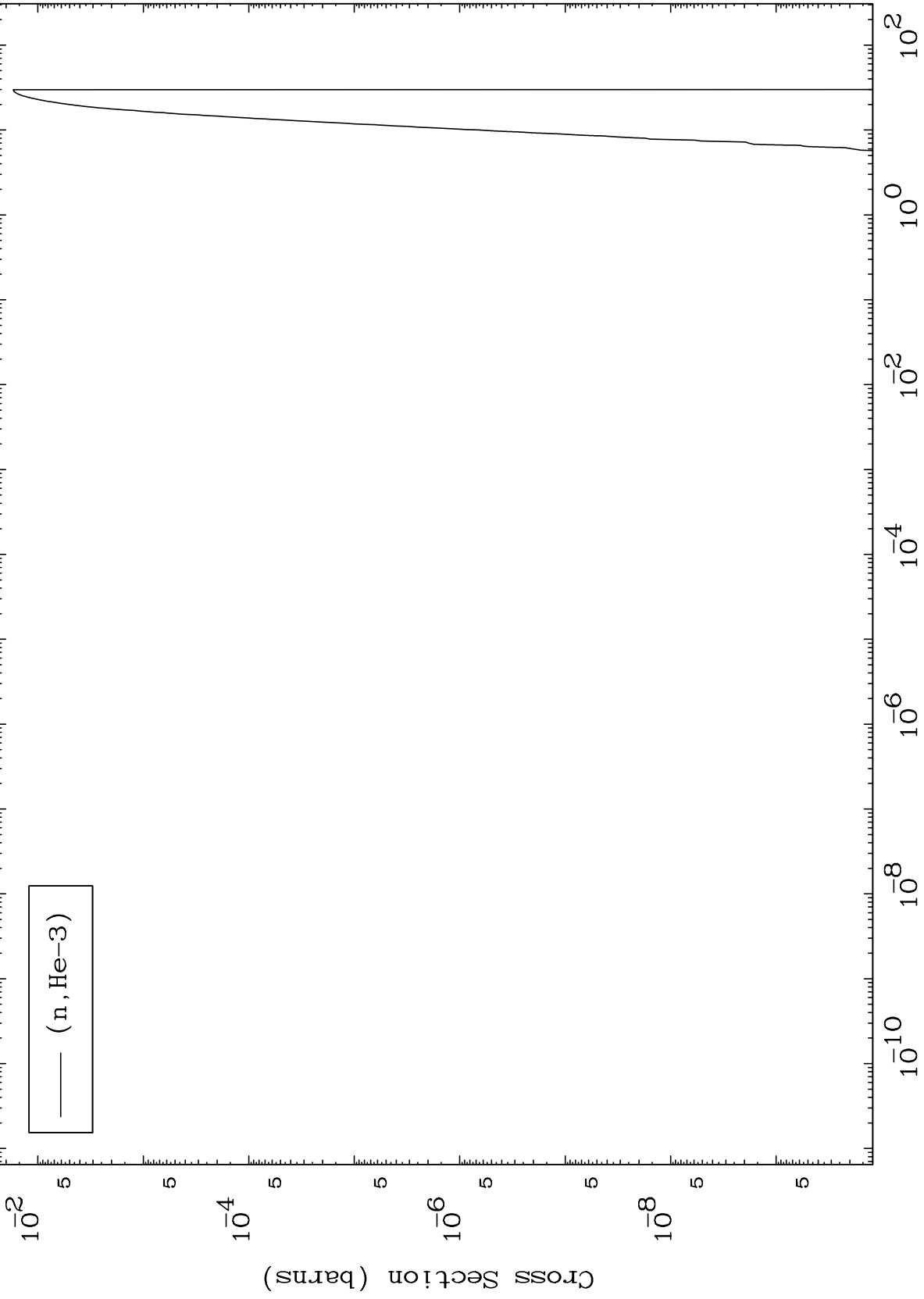
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-139



12

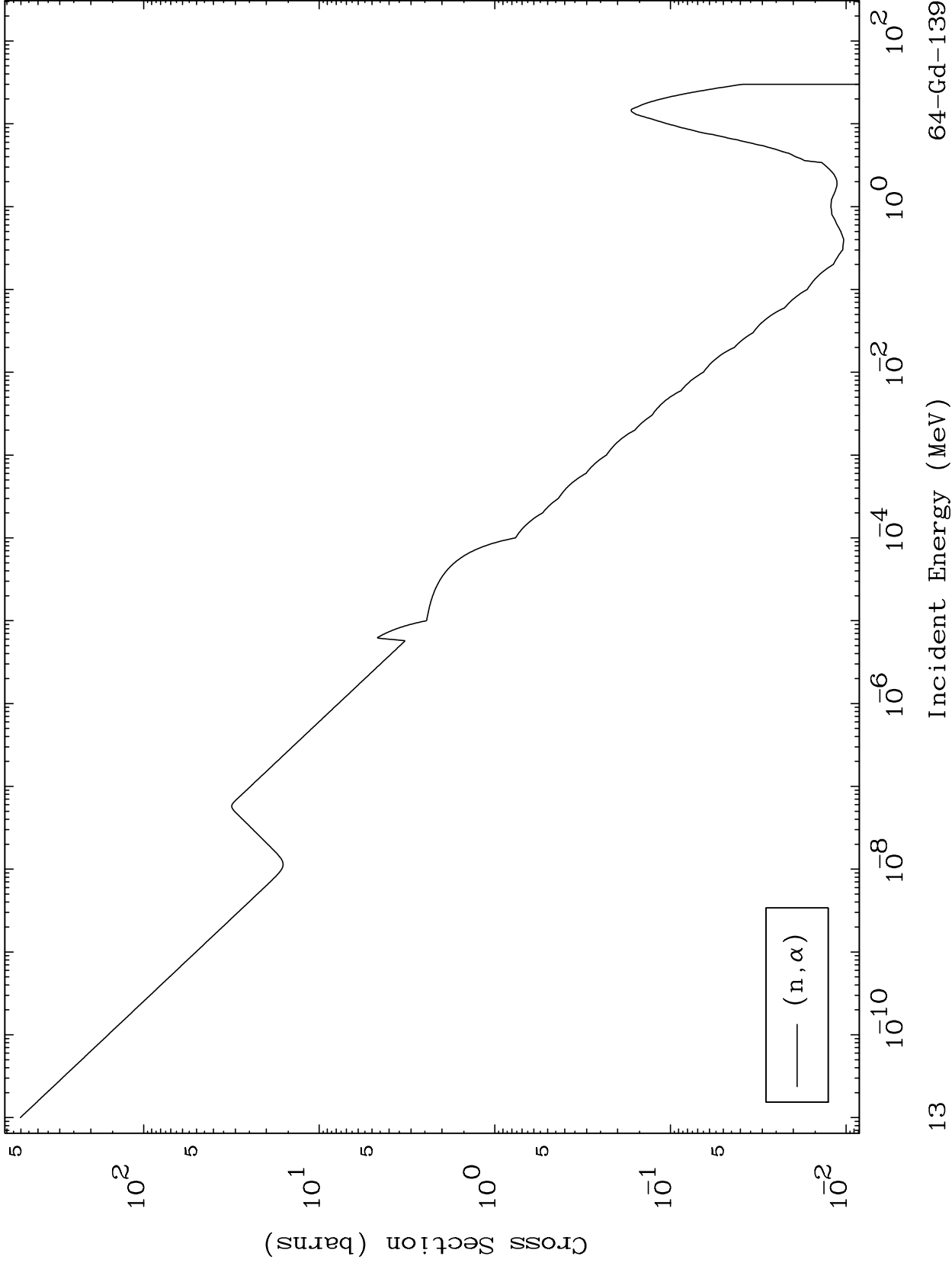
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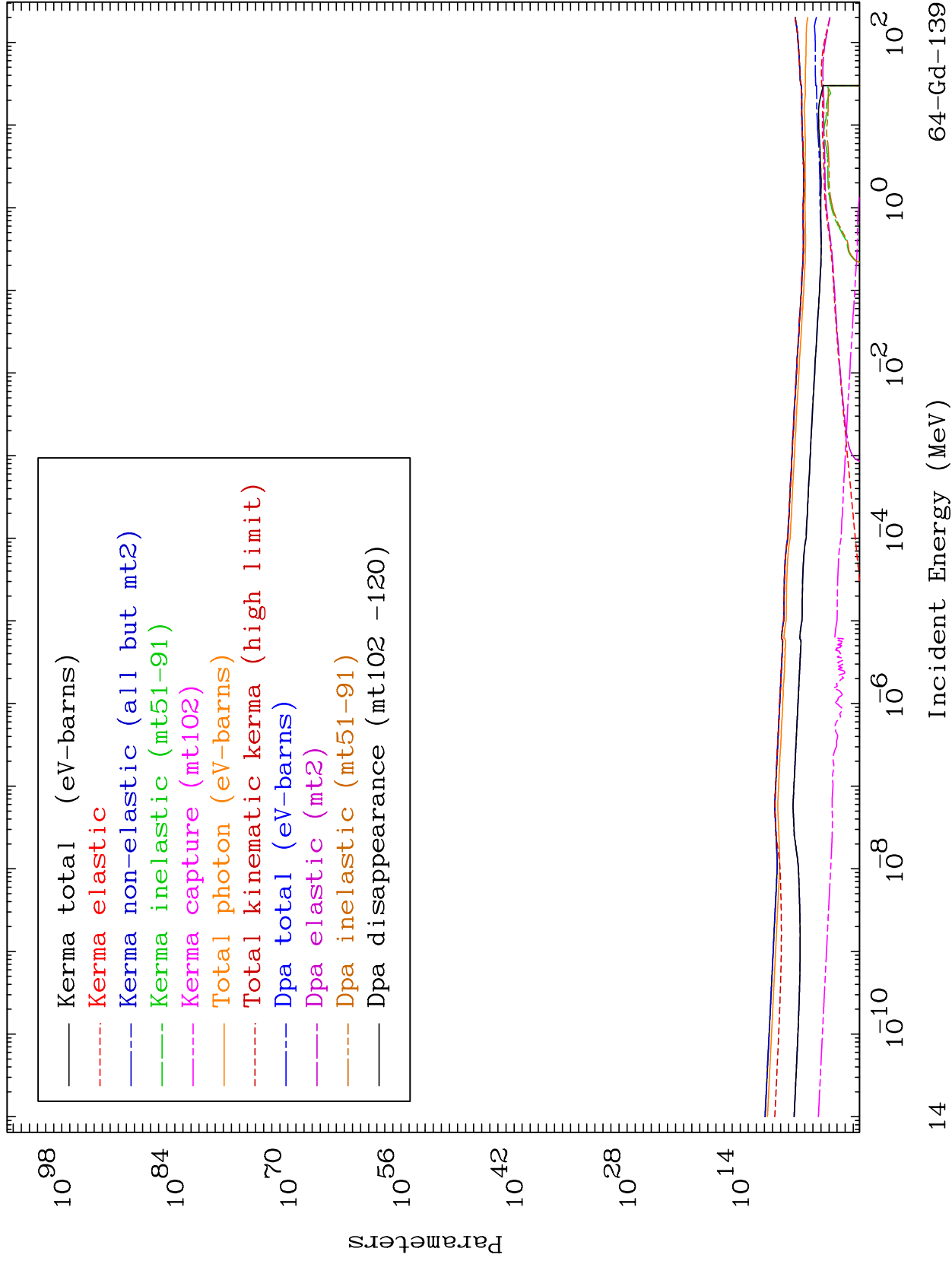
64-Gd-139

MAT 6386

(n,α) Levels
293 Kelvin Cross Sections

64-Gd-139

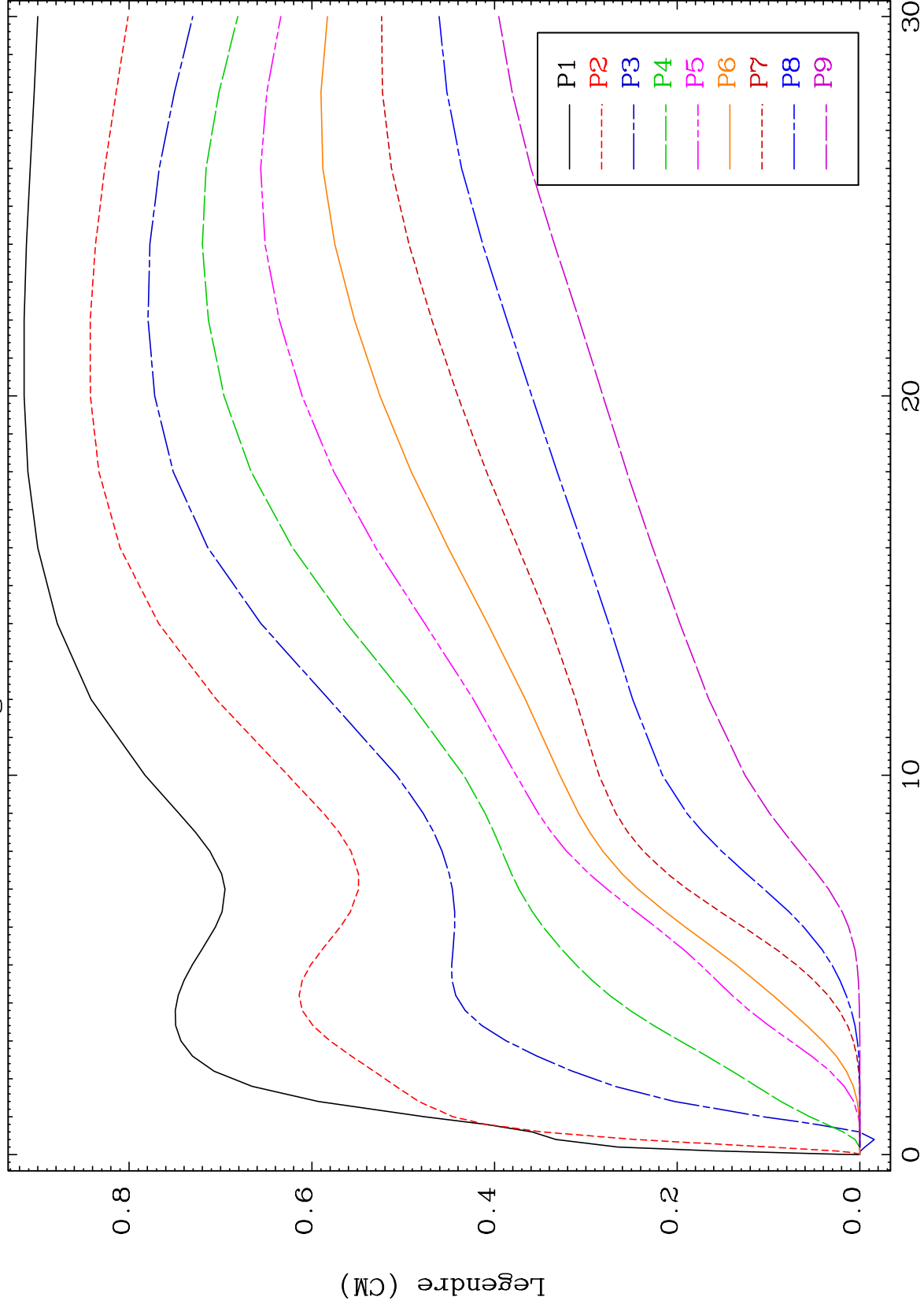




MAT 6386

Elastic Legendre Coefficients

64-Gd-139



15

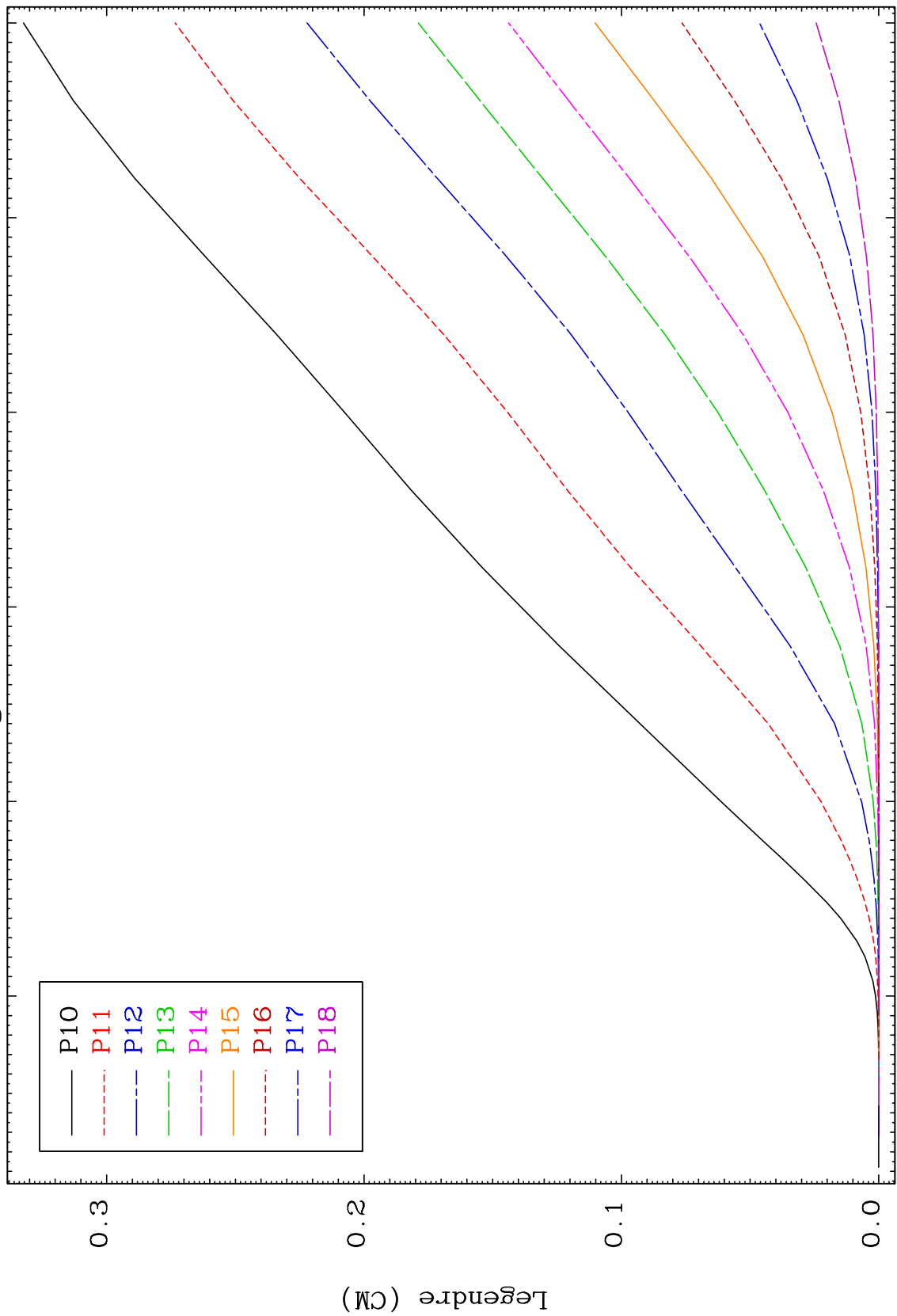
Incident Energy (MeV)

64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



16

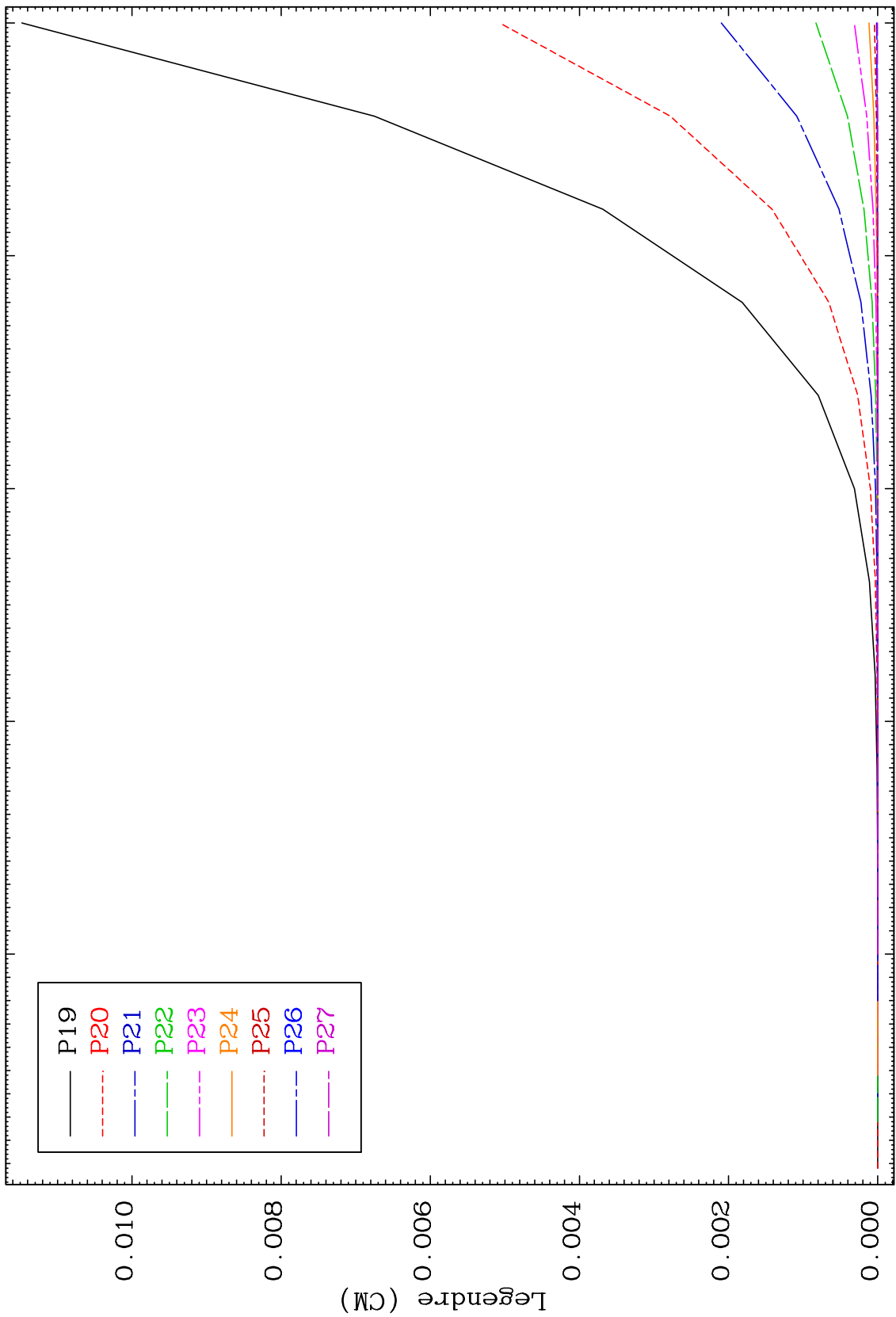
Incident Energy (MeV)

64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



17

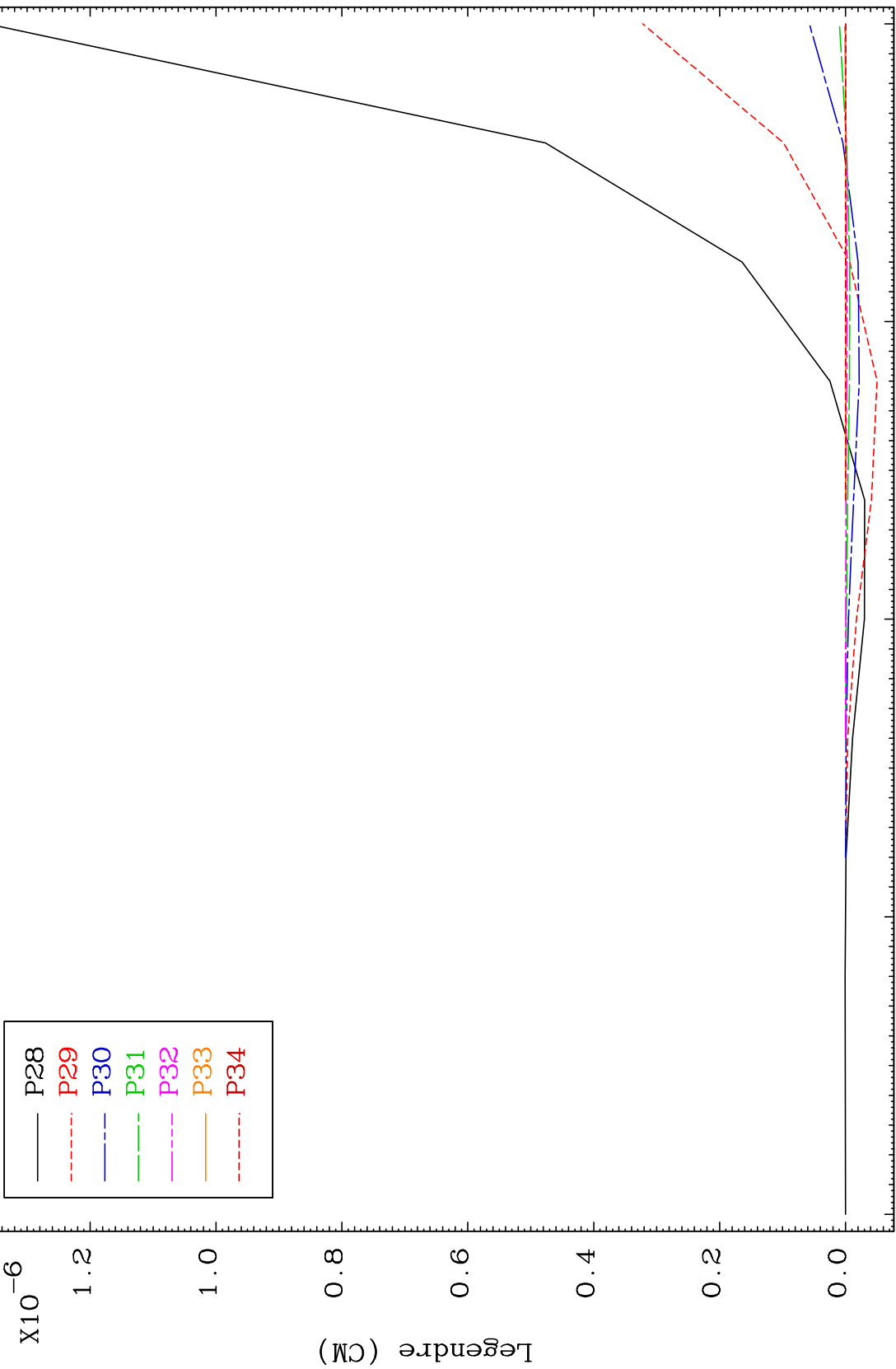
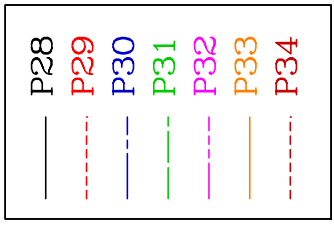
Incident Energy (MeV)

64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



18

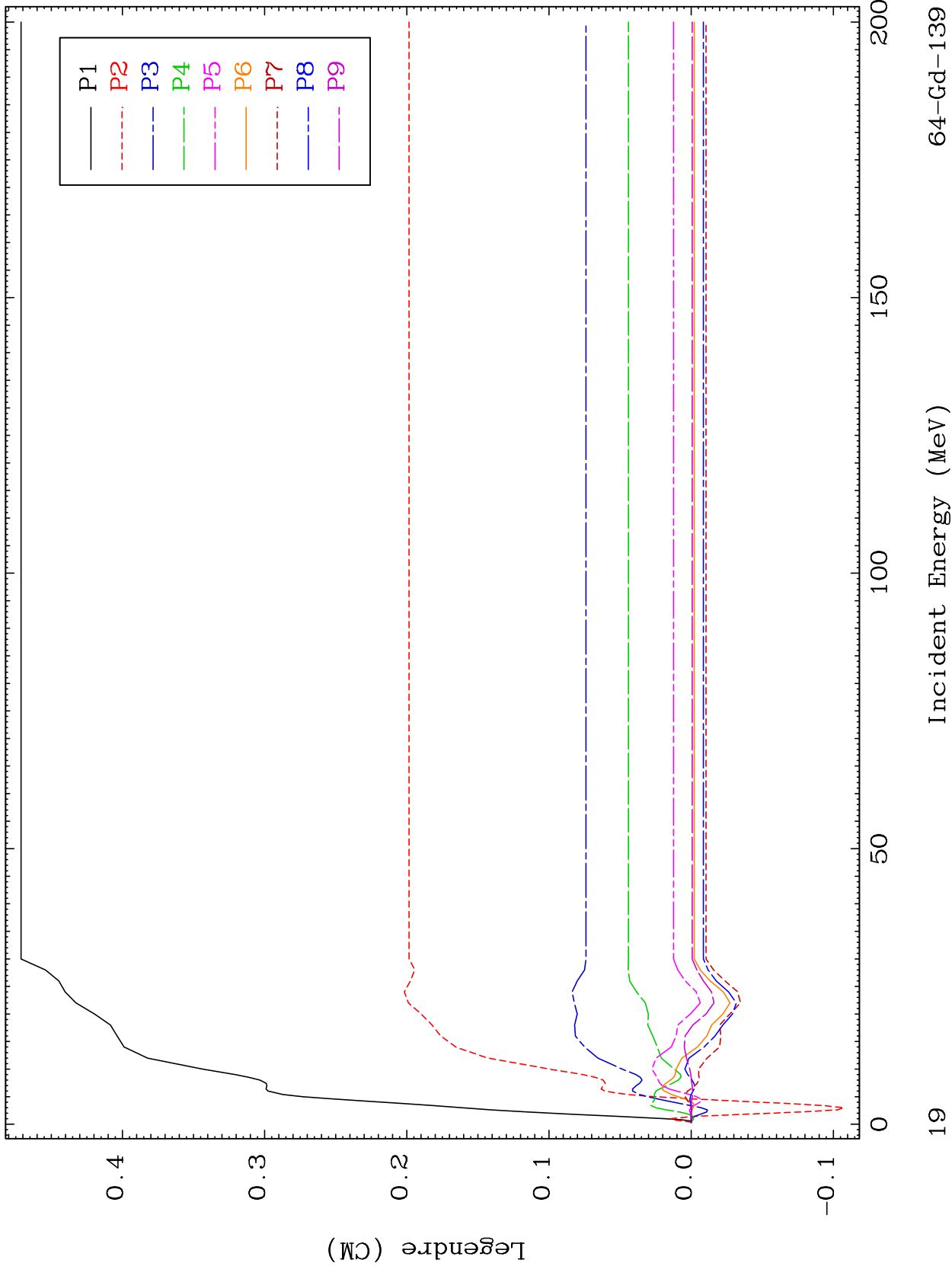
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



64-Gd-139

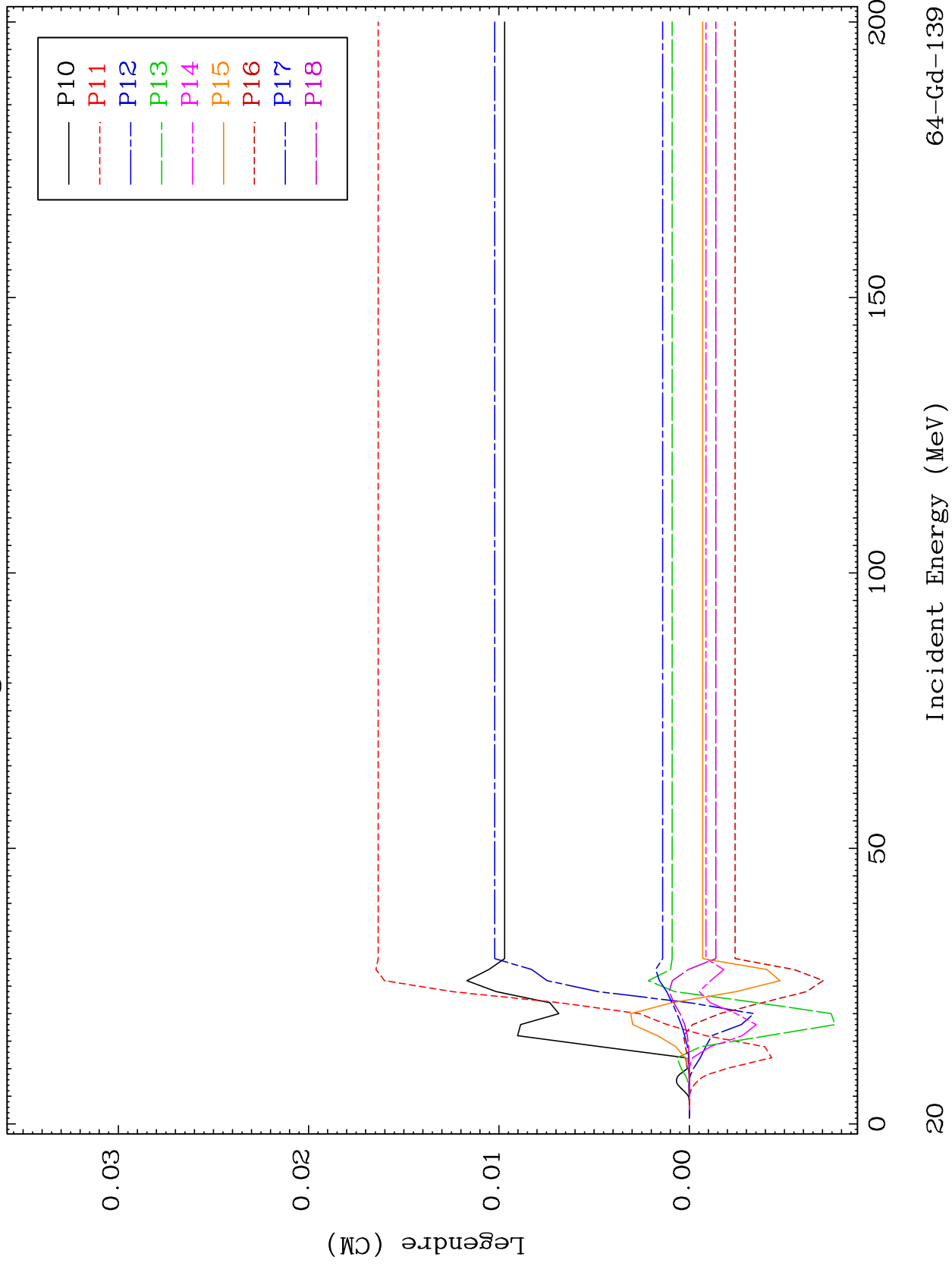
Incident Energy (MeV)

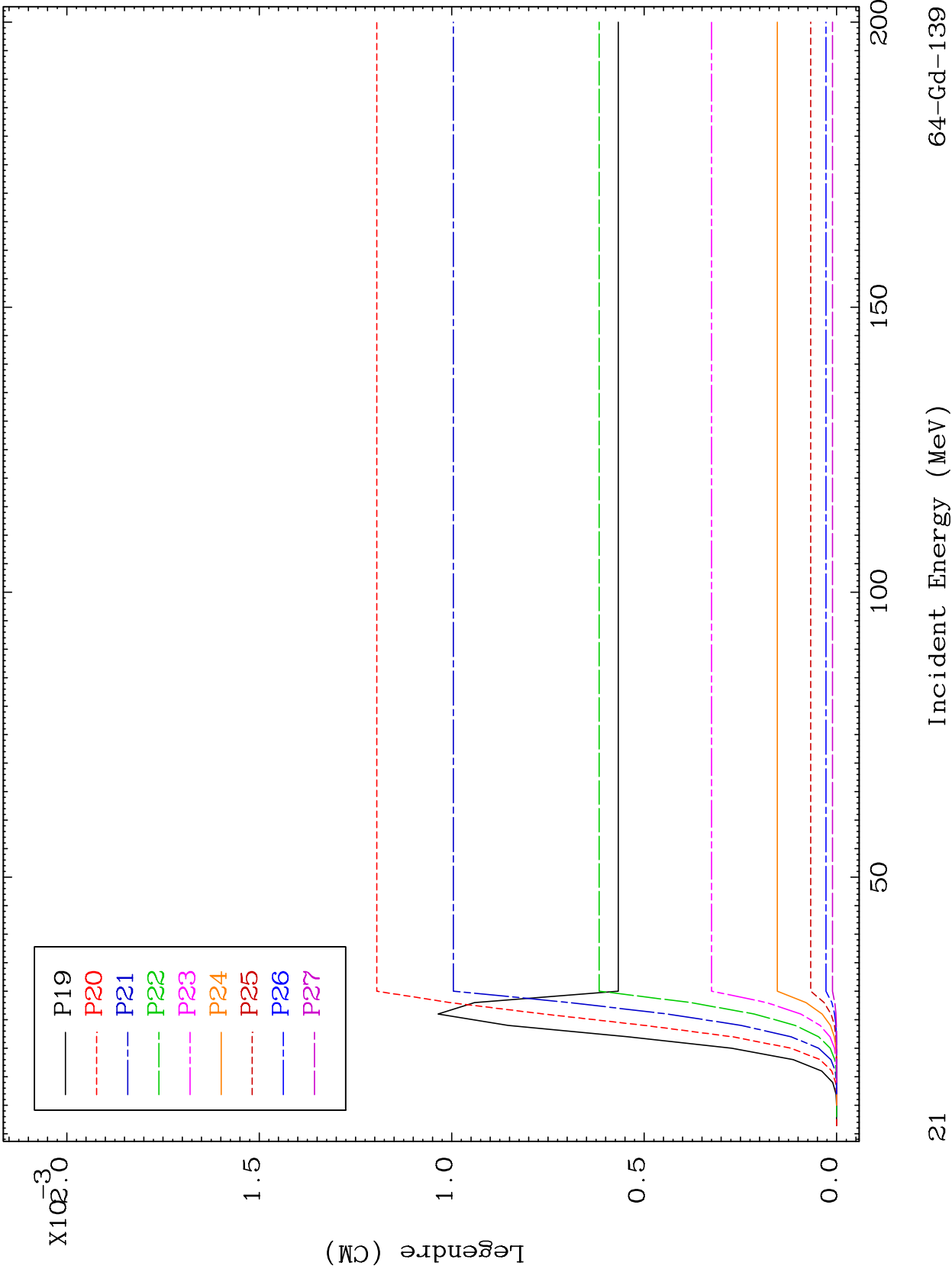
19

MAT 6386

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

64-Gd-139

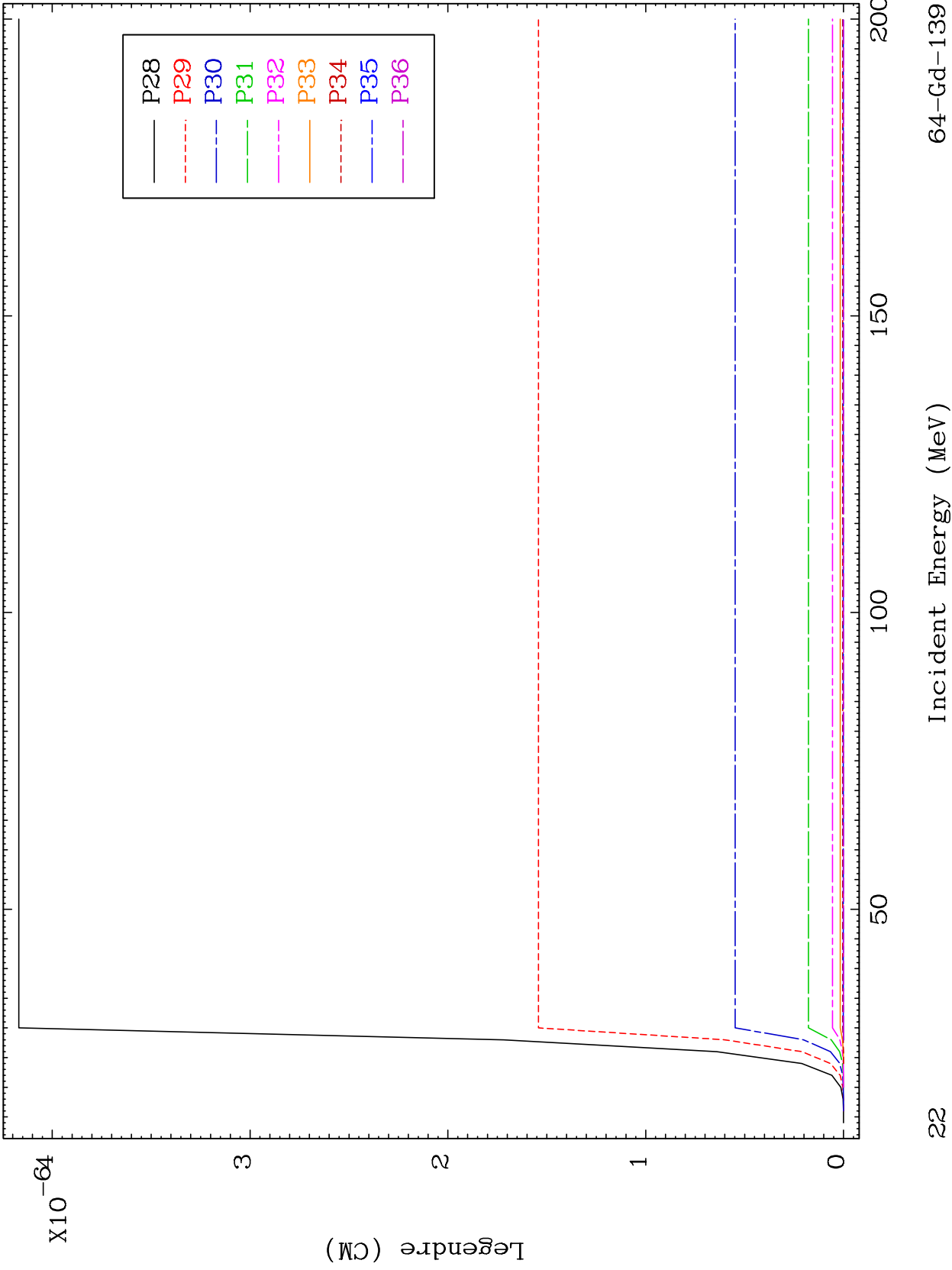




MAT 6386

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

64-Gd-139



22

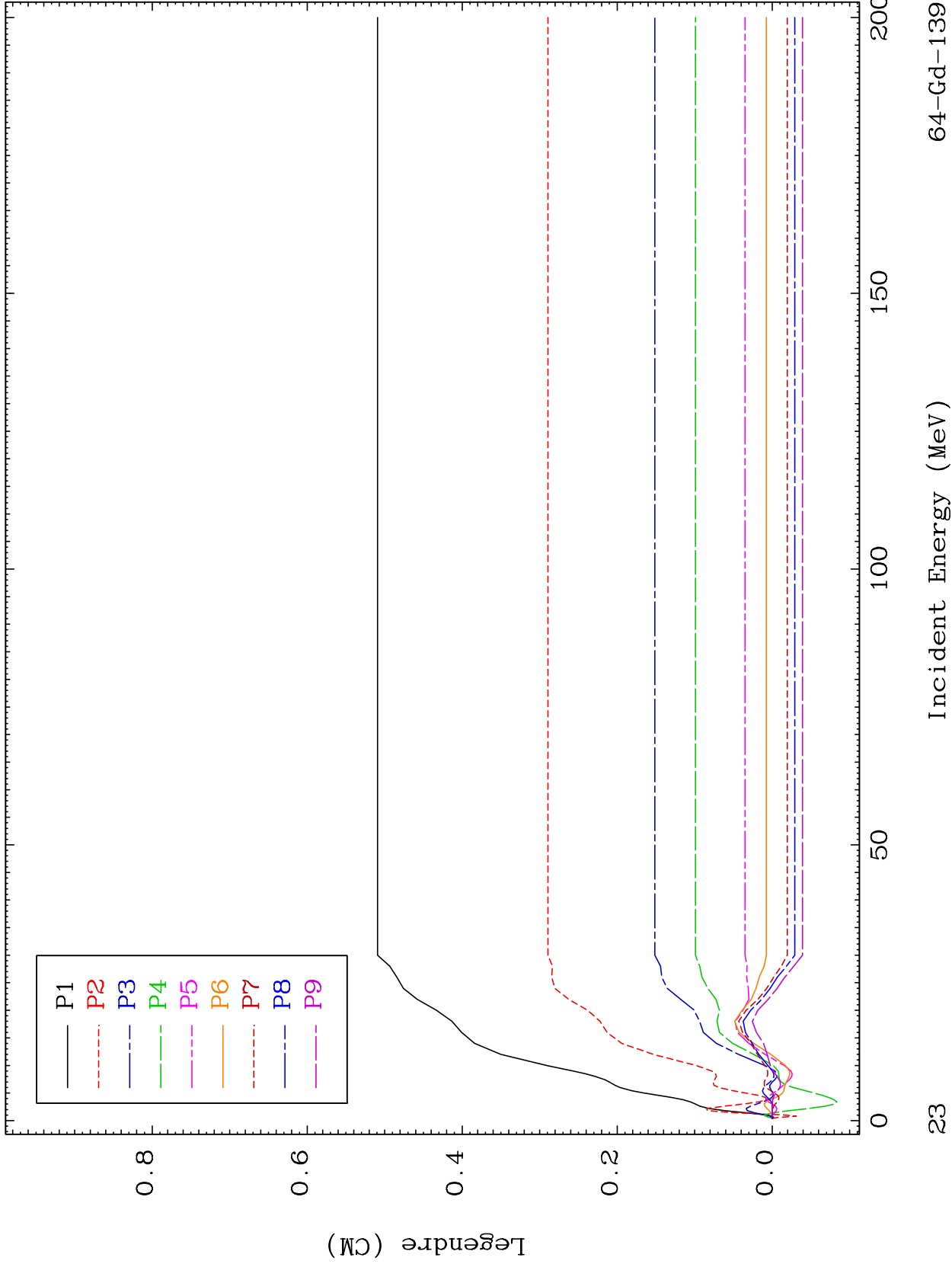
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

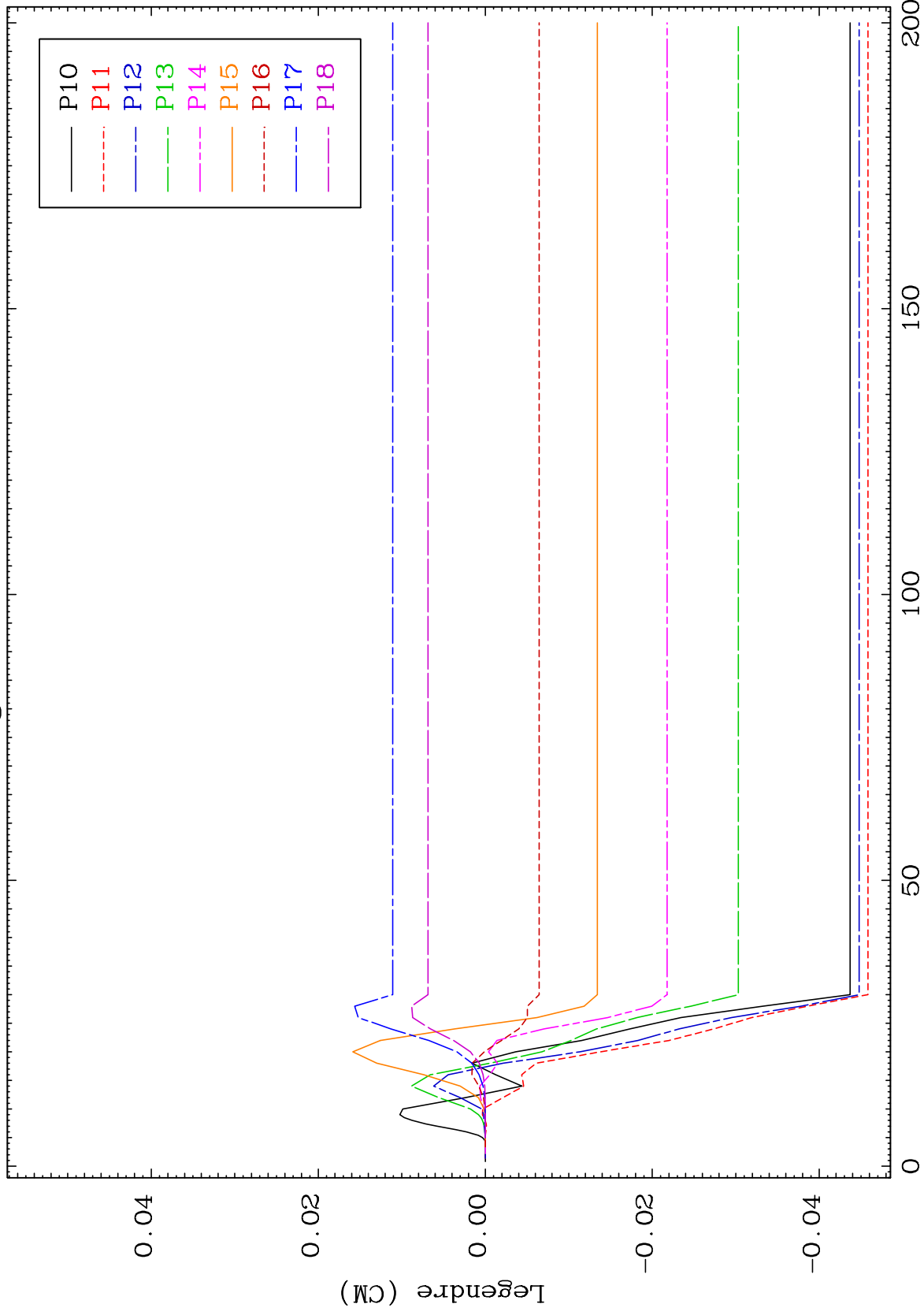
64-Gd-139



MAT 6386

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

64-Gd-139



24

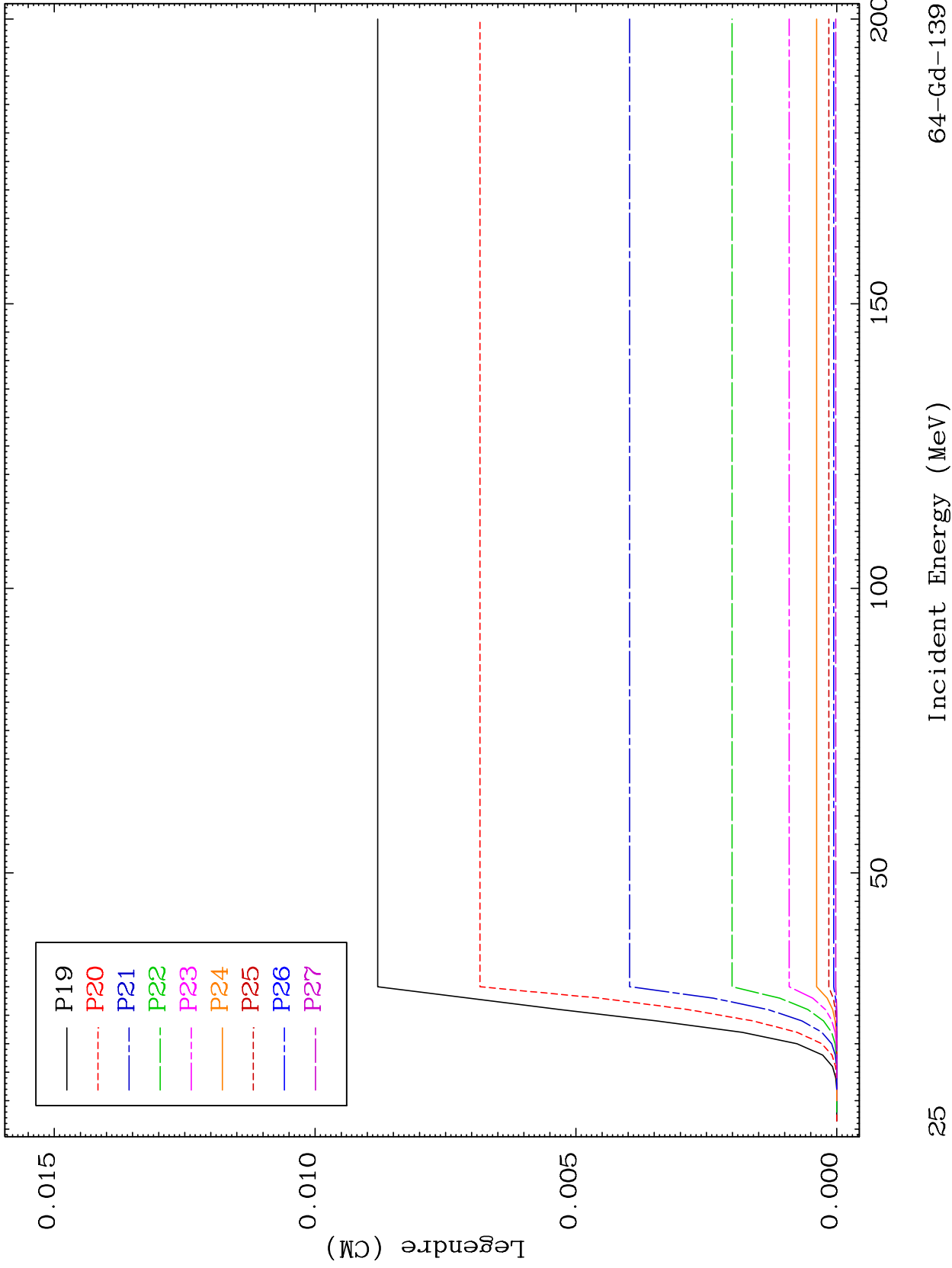
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



25

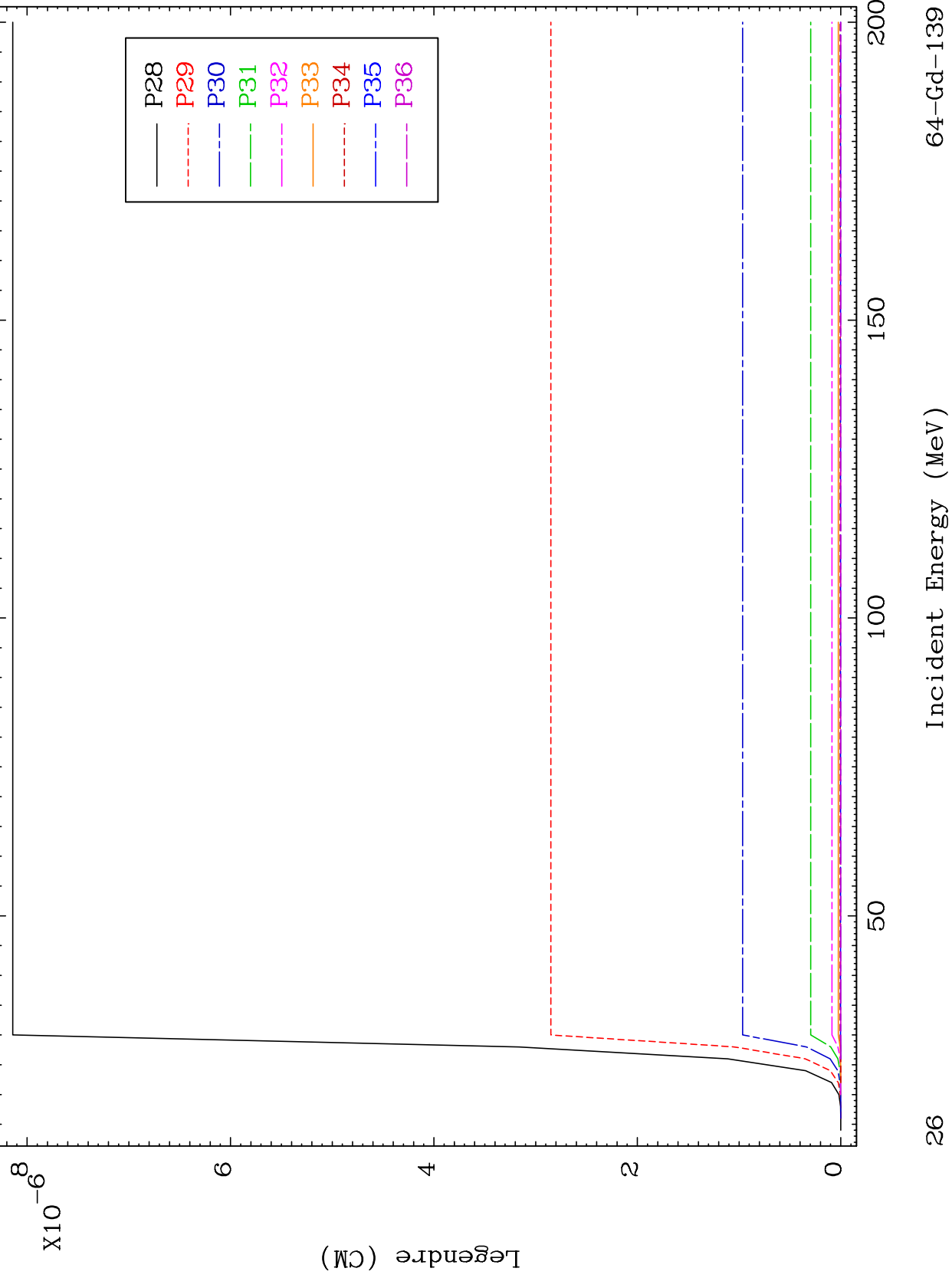
Incident Energy (MeV)

64-Gd-139

MAT 6386

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

64-Gd-139



26

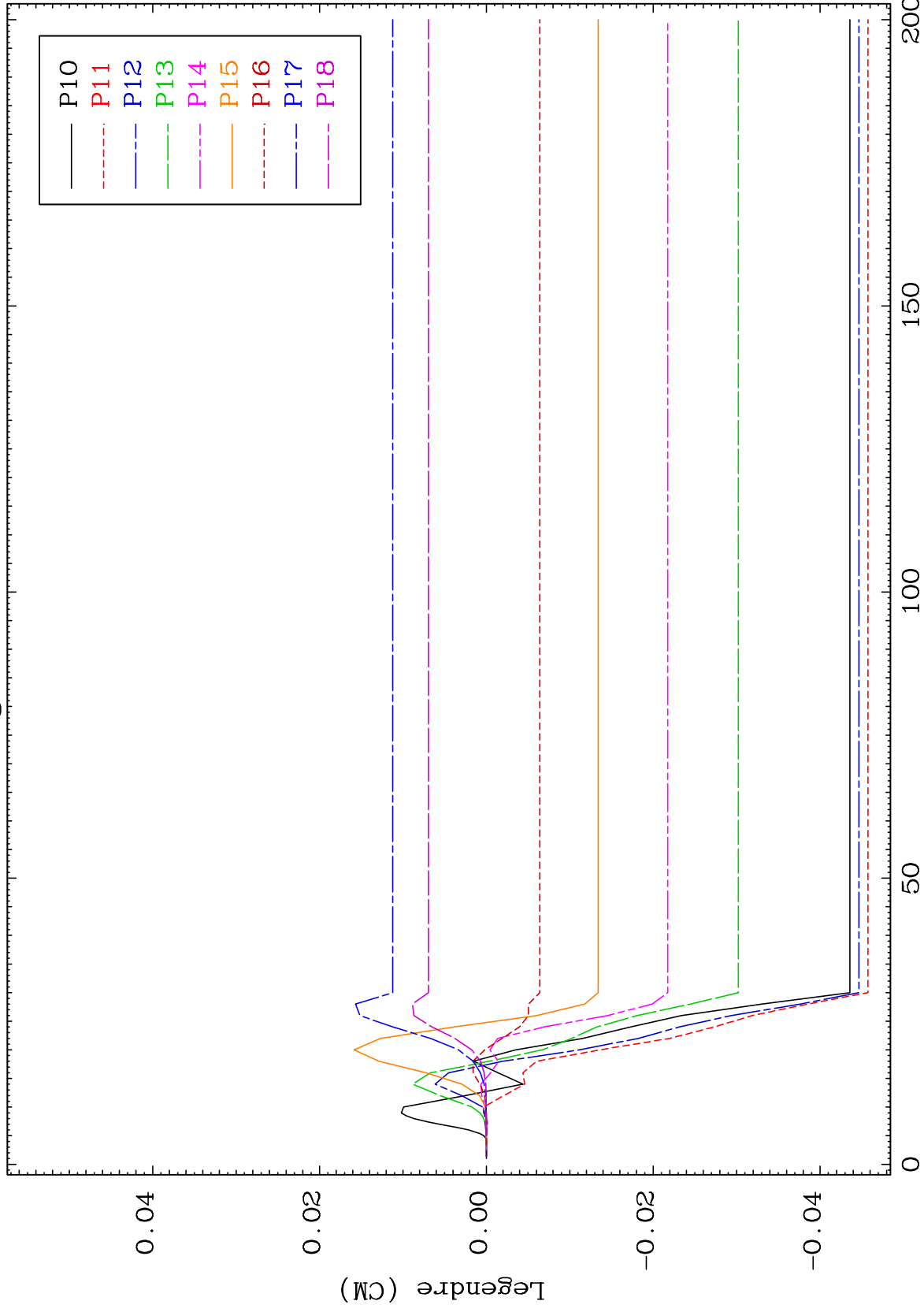
Incident Energy (MeV)

64-Gd-139

MAT 6386

MT= 53 (n,n') Level
Legendre Coefficients

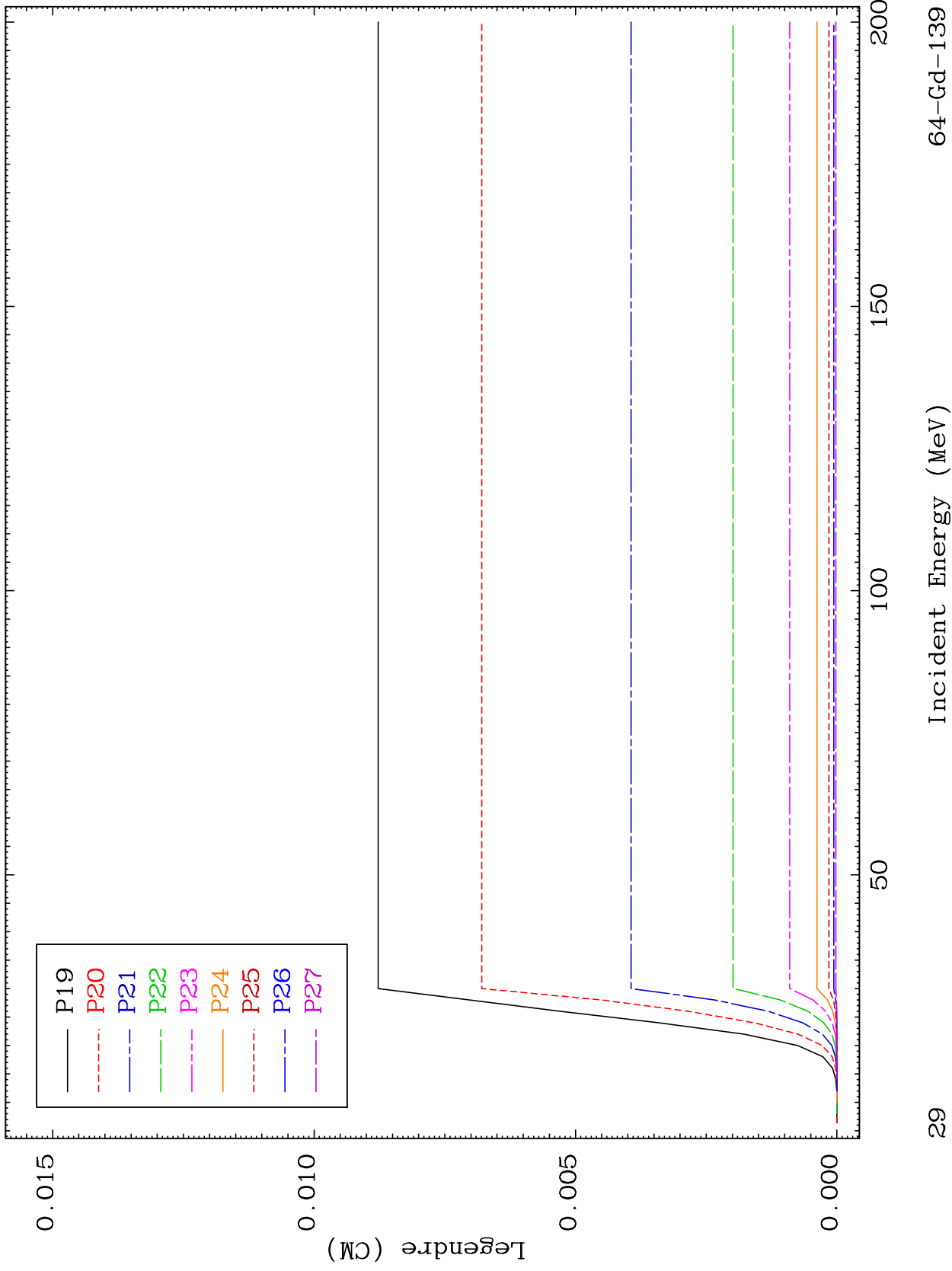
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28

Incident Energy (MeV)

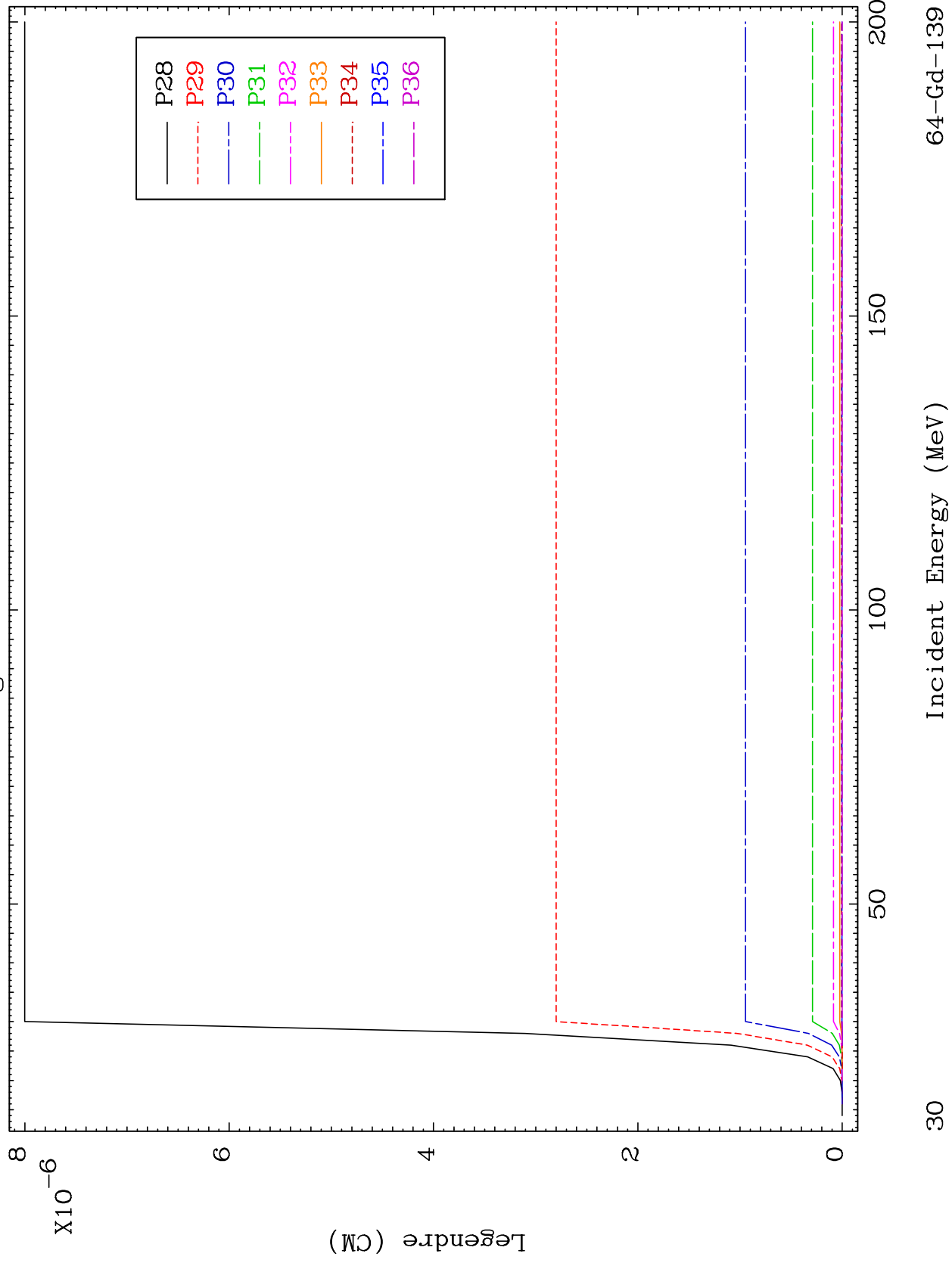
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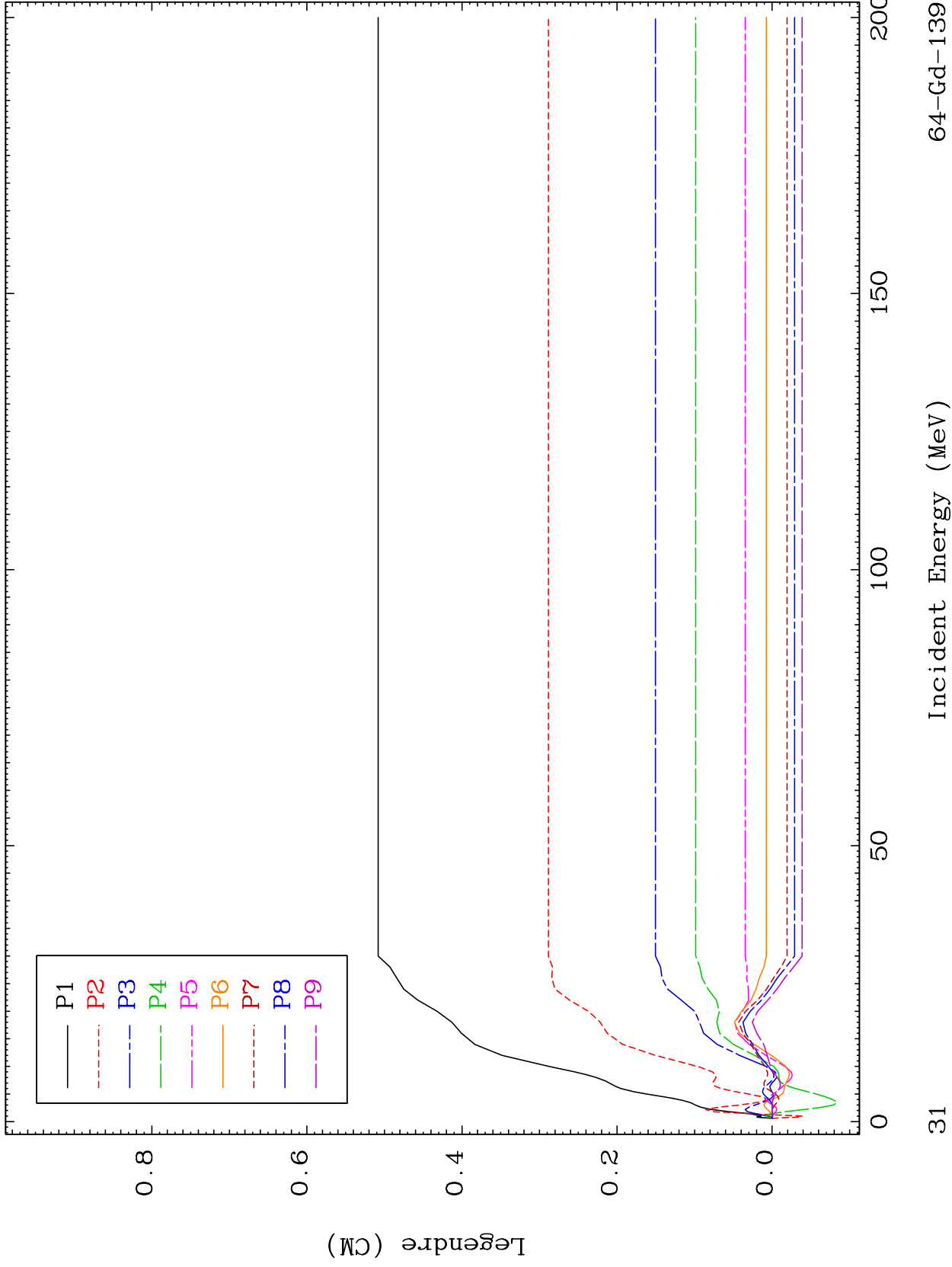


MAT 6386

MT= 53 (n,n') Level
Legendre Coefficients

64-Gd-139

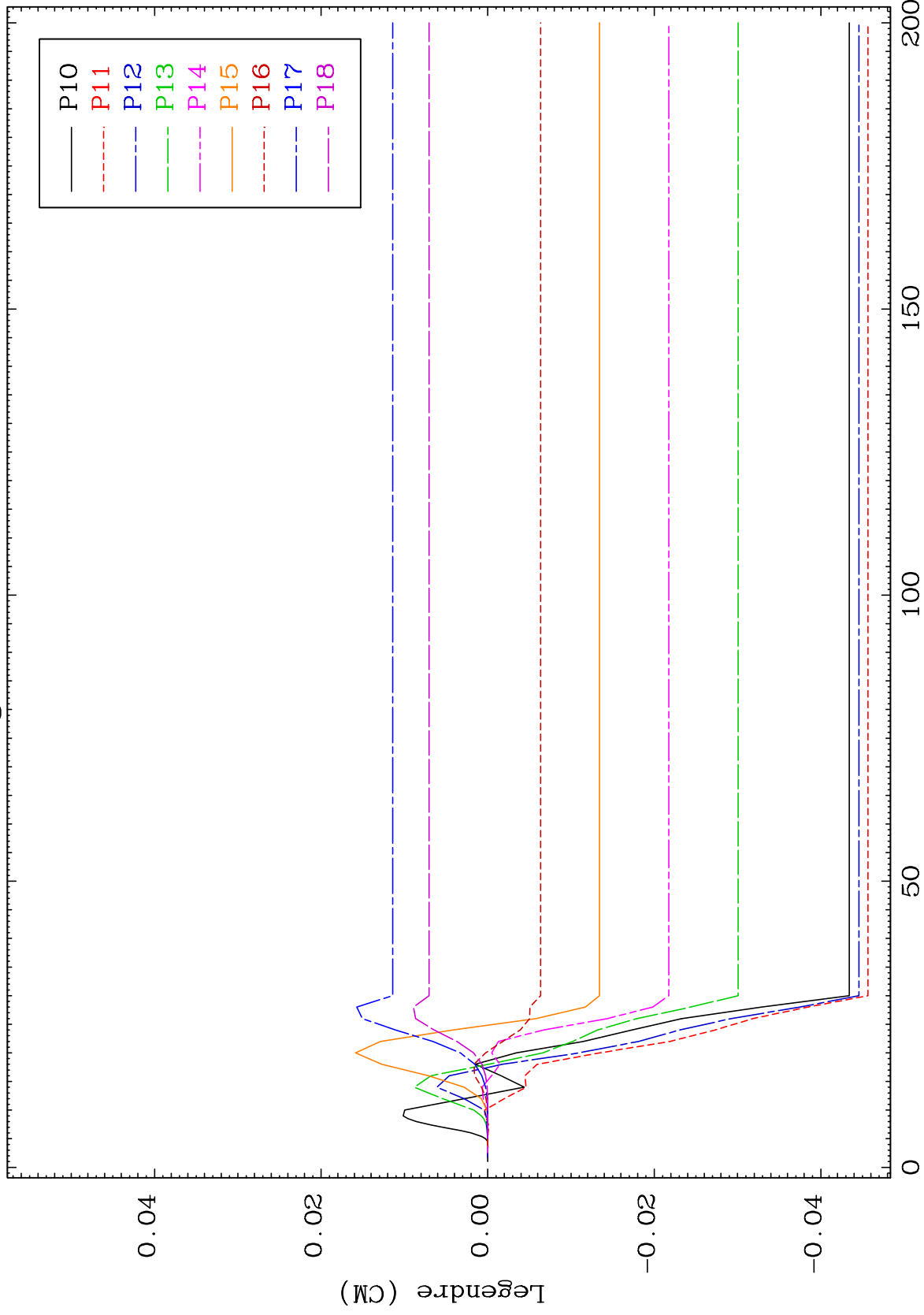




MAT 6386

MT= 54 (n,n') Level
Legendre Coefficients

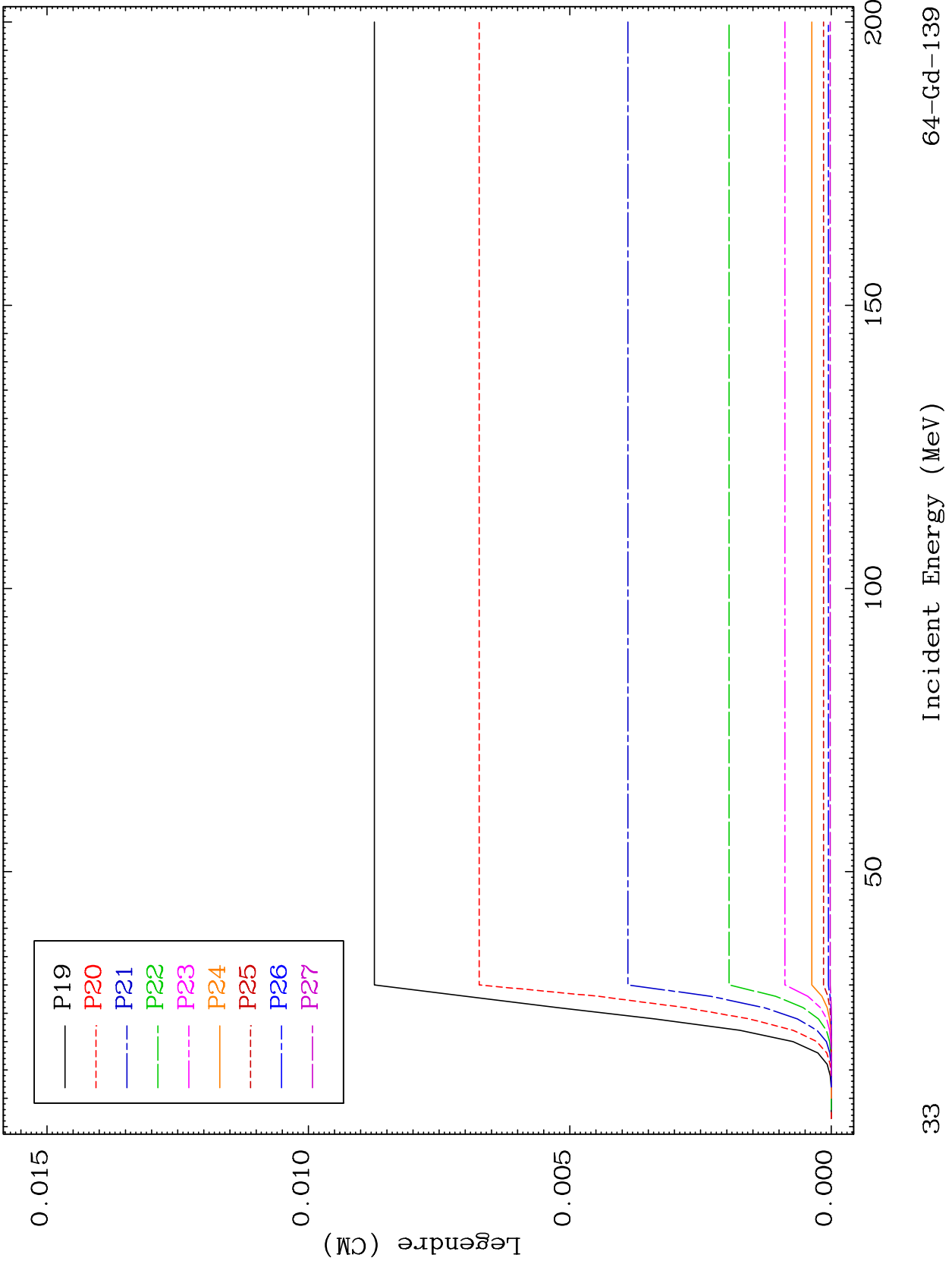
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32

Incident Energy (MeV)

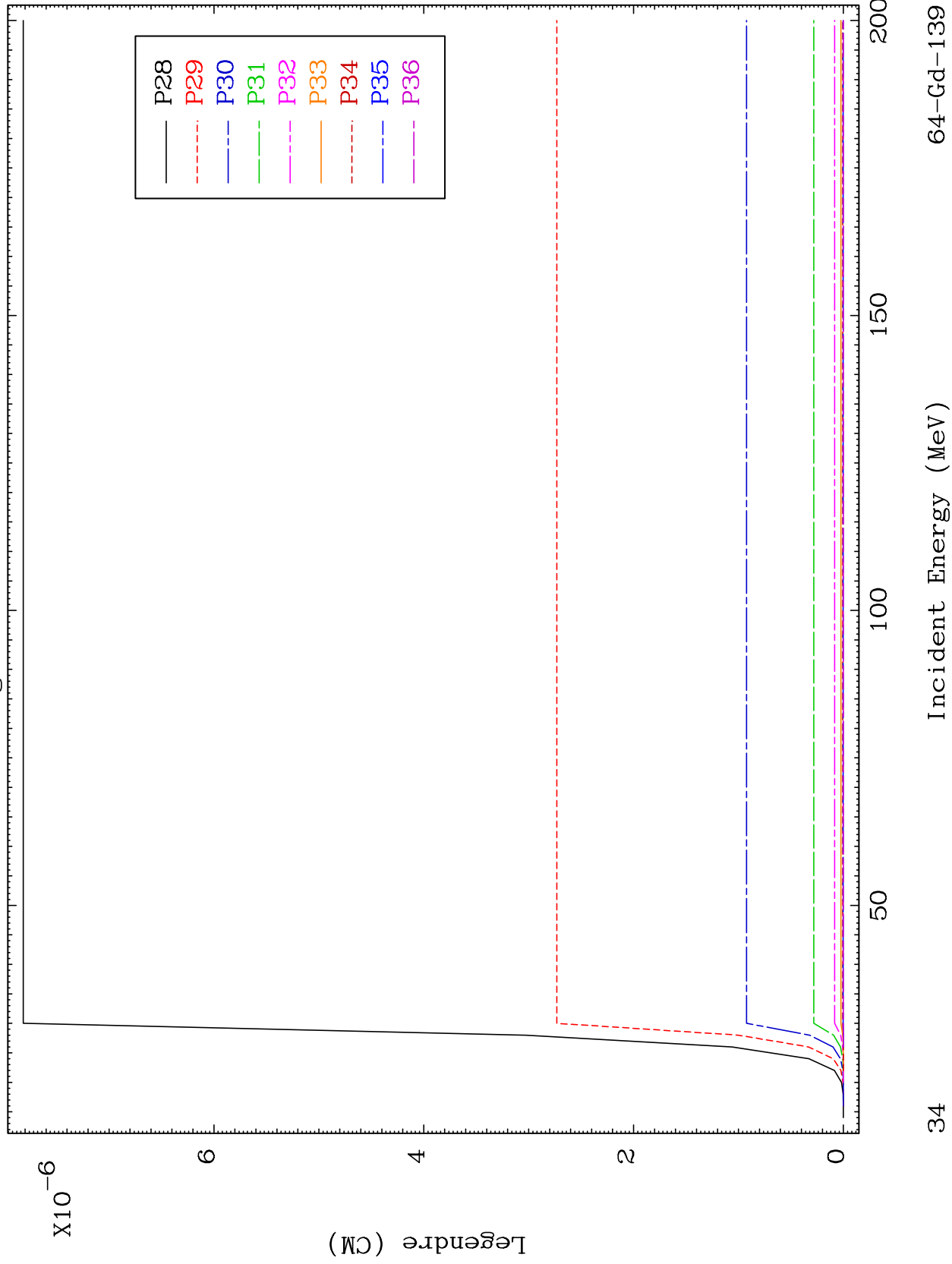
64-Gd-139



MAT 6386

MT= 54 (n,n') Level
Legendre Coefficients

64-Gd-139

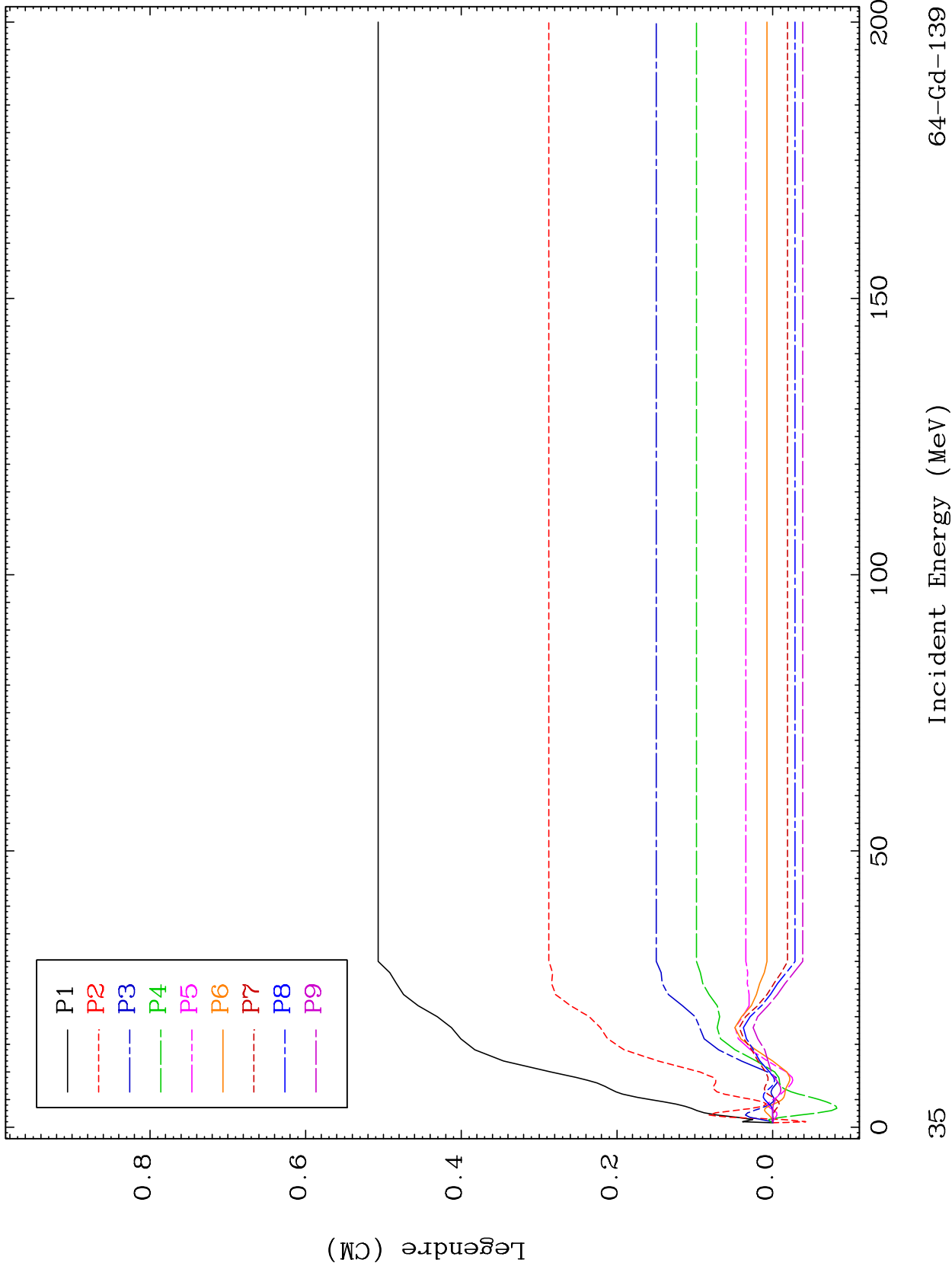


34

MAT 6386

MT= 55 (n,n') Level
Legendre Coefficients

64-Gd-139



64-Gd-139

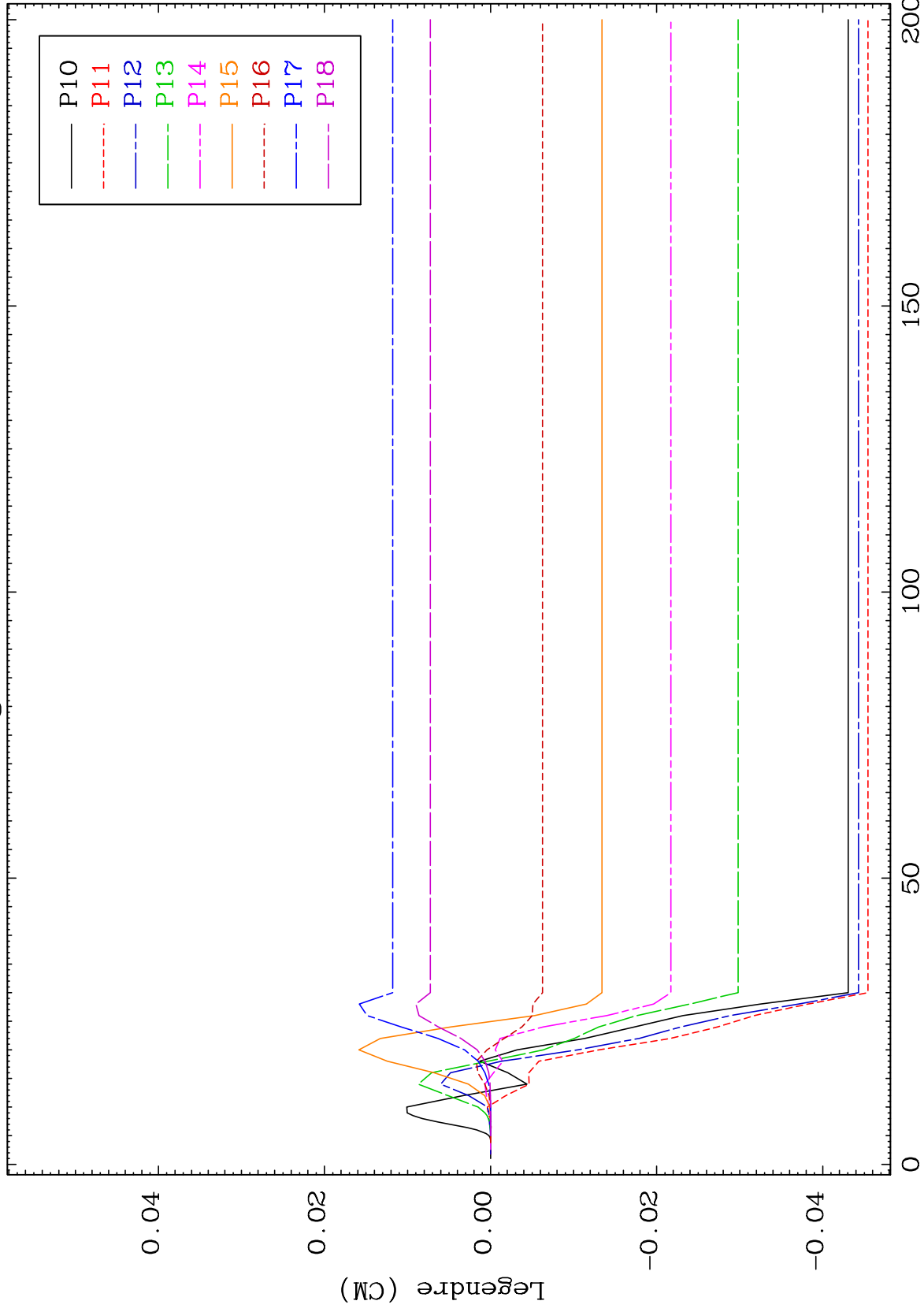
Incident Energy (MeV)

35

MAT 6386

MT= 55 (n,n') Level
Legendre Coefficients

64-Gd-139



36

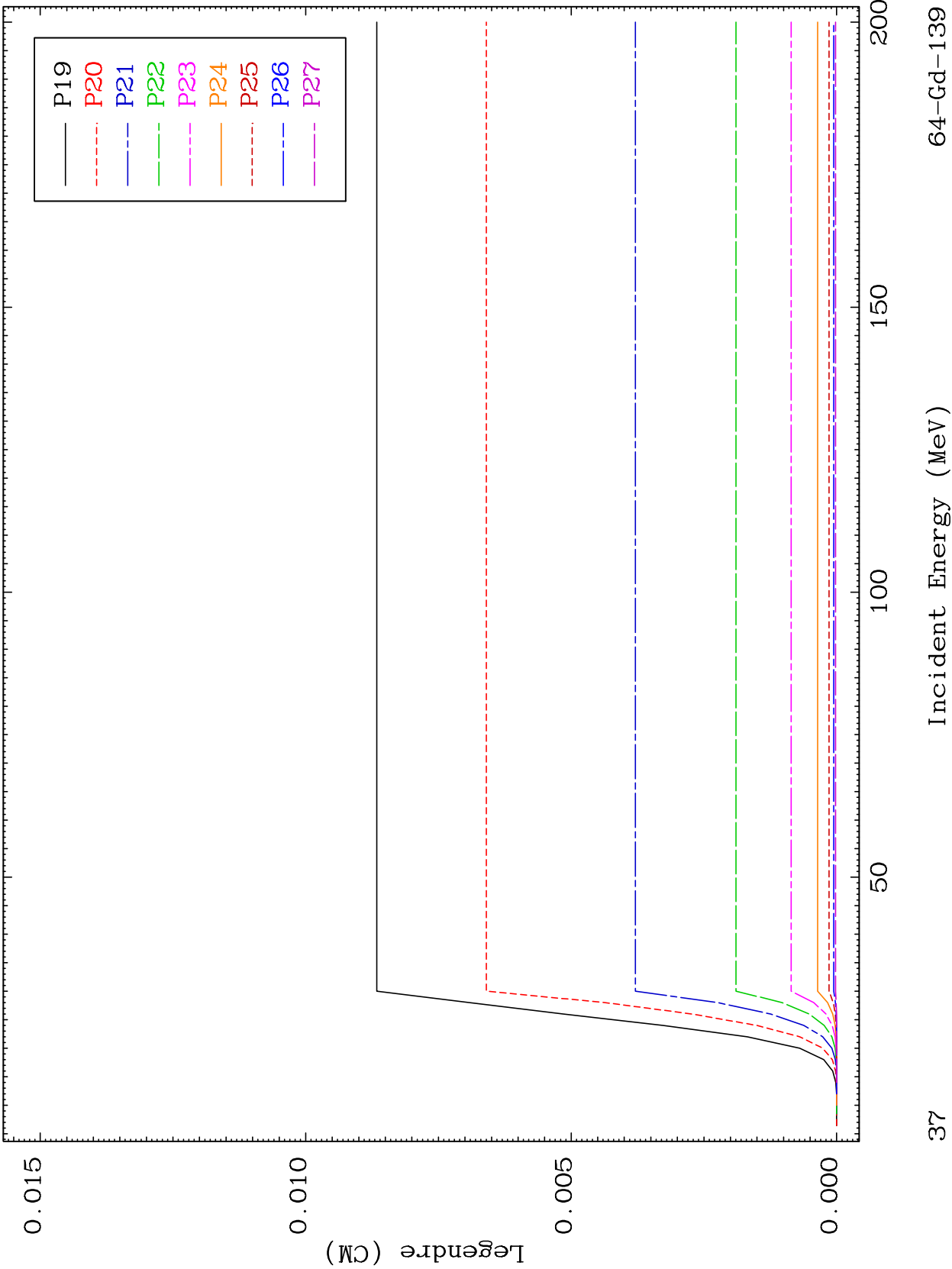
Incident Energy (MeV)

64-Gd-139

MAT 6386

MT= 55 (n,n') Level
Legendre Coefficients

64-Gd-139



37

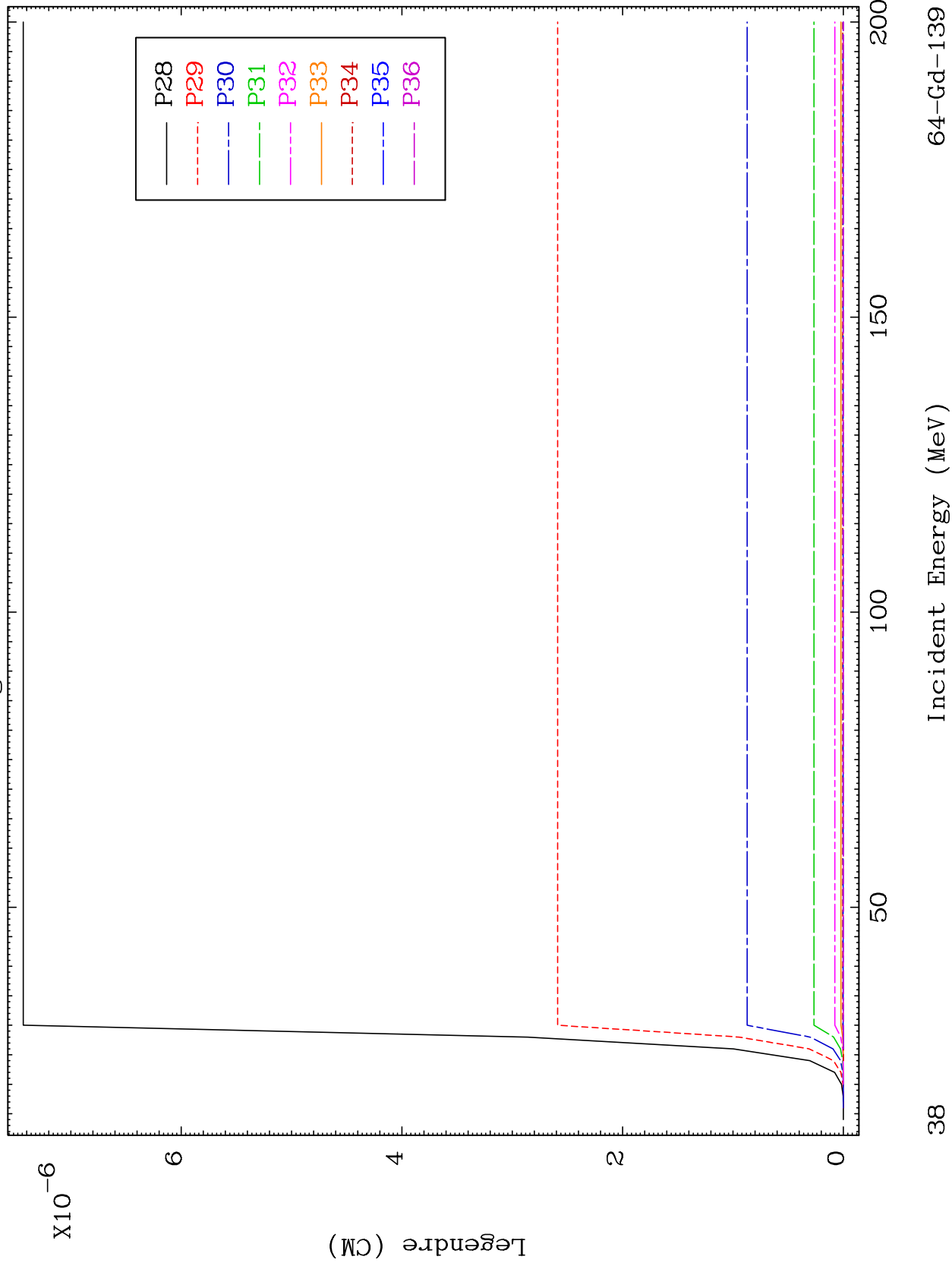
Incident Energy (MeV)

64-Gd-139

MAT 6386

MT= 55 (n,n') Level
Legendre Coefficients

64-Gd-139



38

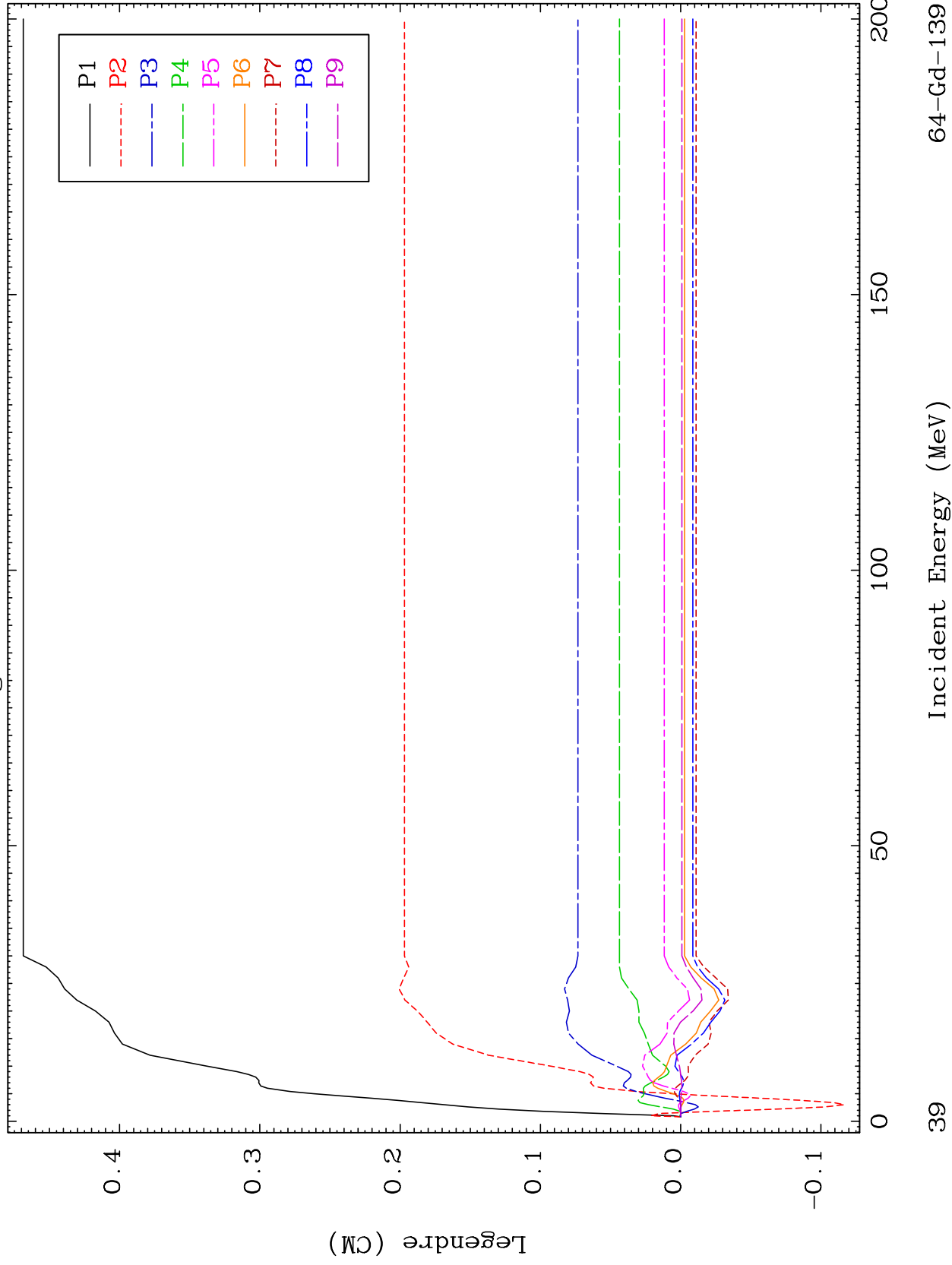
Incident Energy (MeV)

64-Gd-139

MAT 6386

MT= 56 (n,n') Level
Legendre Coefficients

64-Gd-139



64-Gd-139

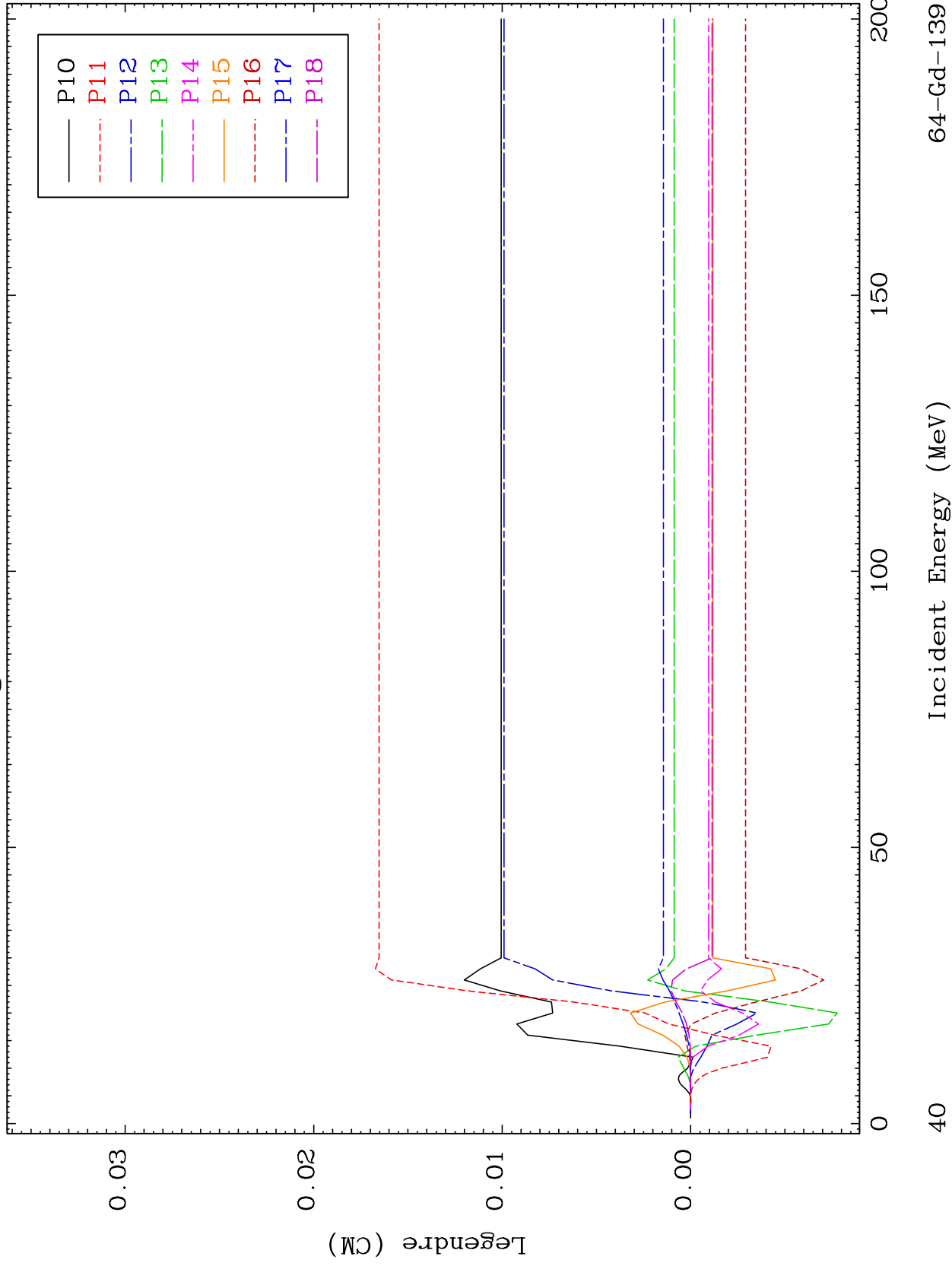
Incident Energy (MeV)

39

MAT 6386

MT= 56 (n,n') Level
Legendre Coefficients

64-Gd-139

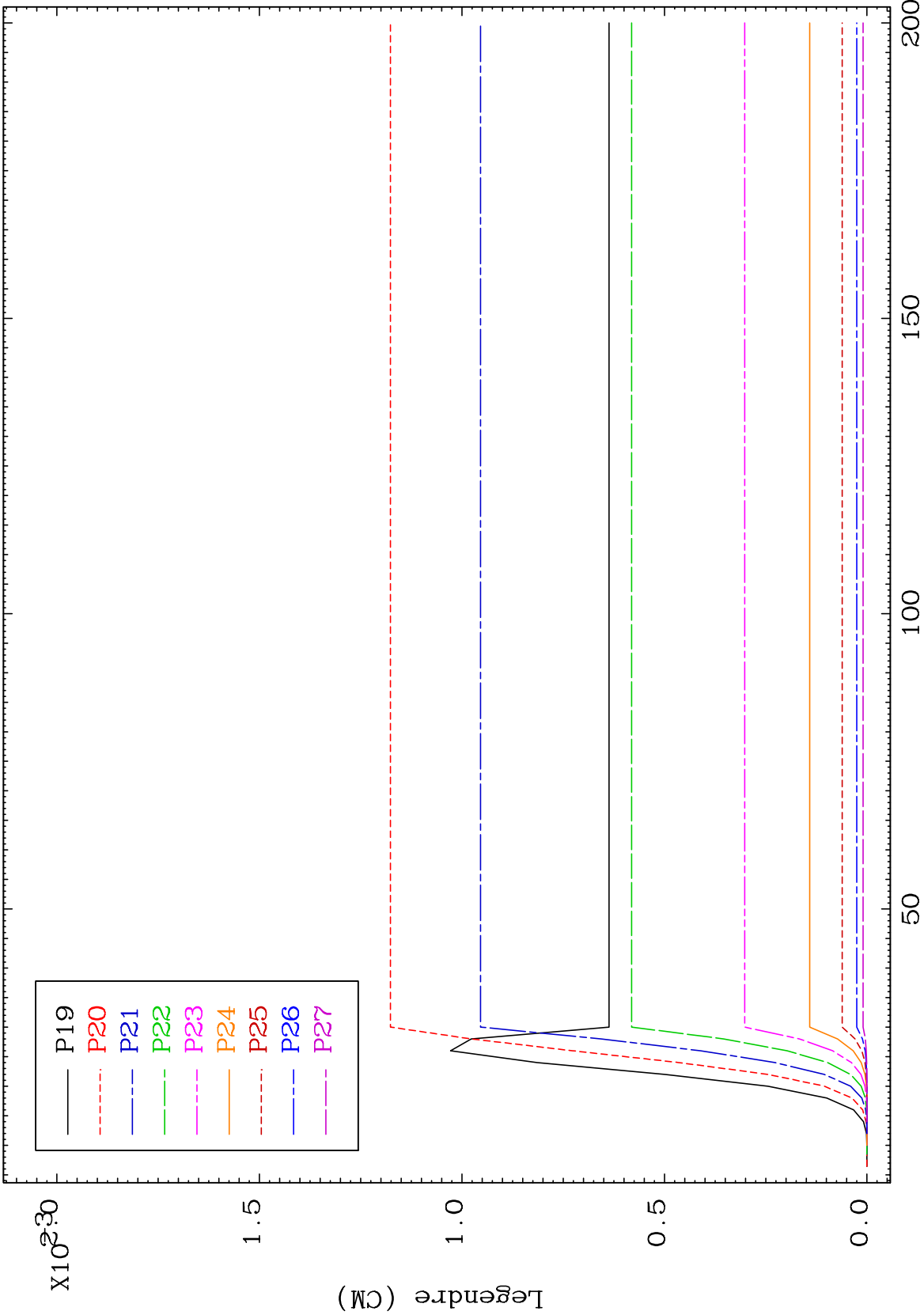
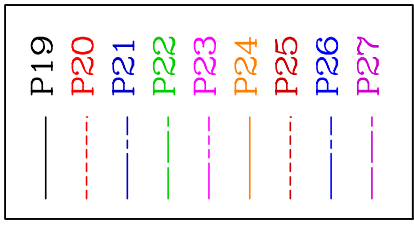


64-Gd-139

MAT 6386

MT= 56 (n,n') Level
Legendre Coefficients

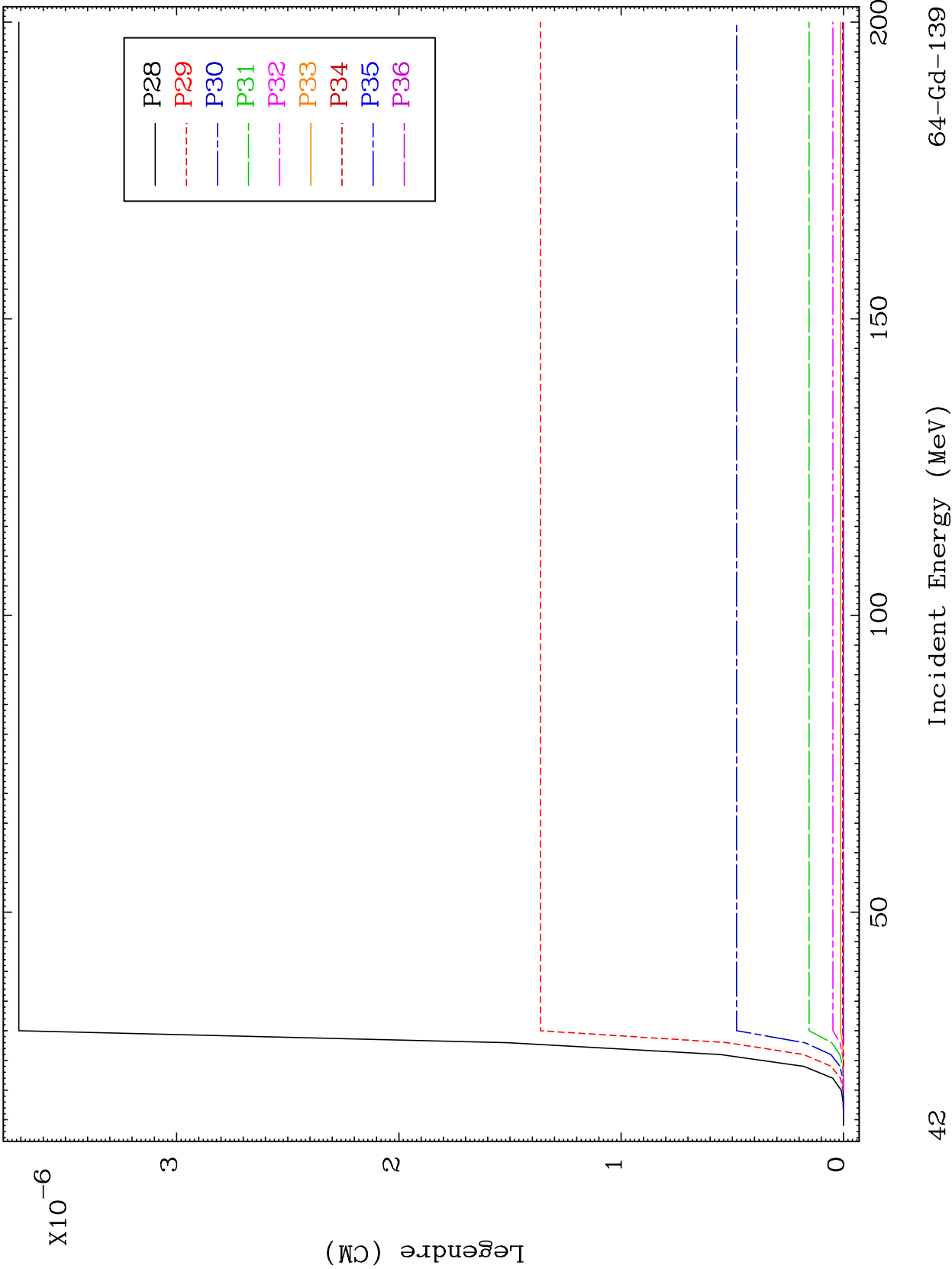
64-Gd-139



MAT 6386

MT= 56 (n,n') Level
Legendre Coefficients

64-Gd-139



42

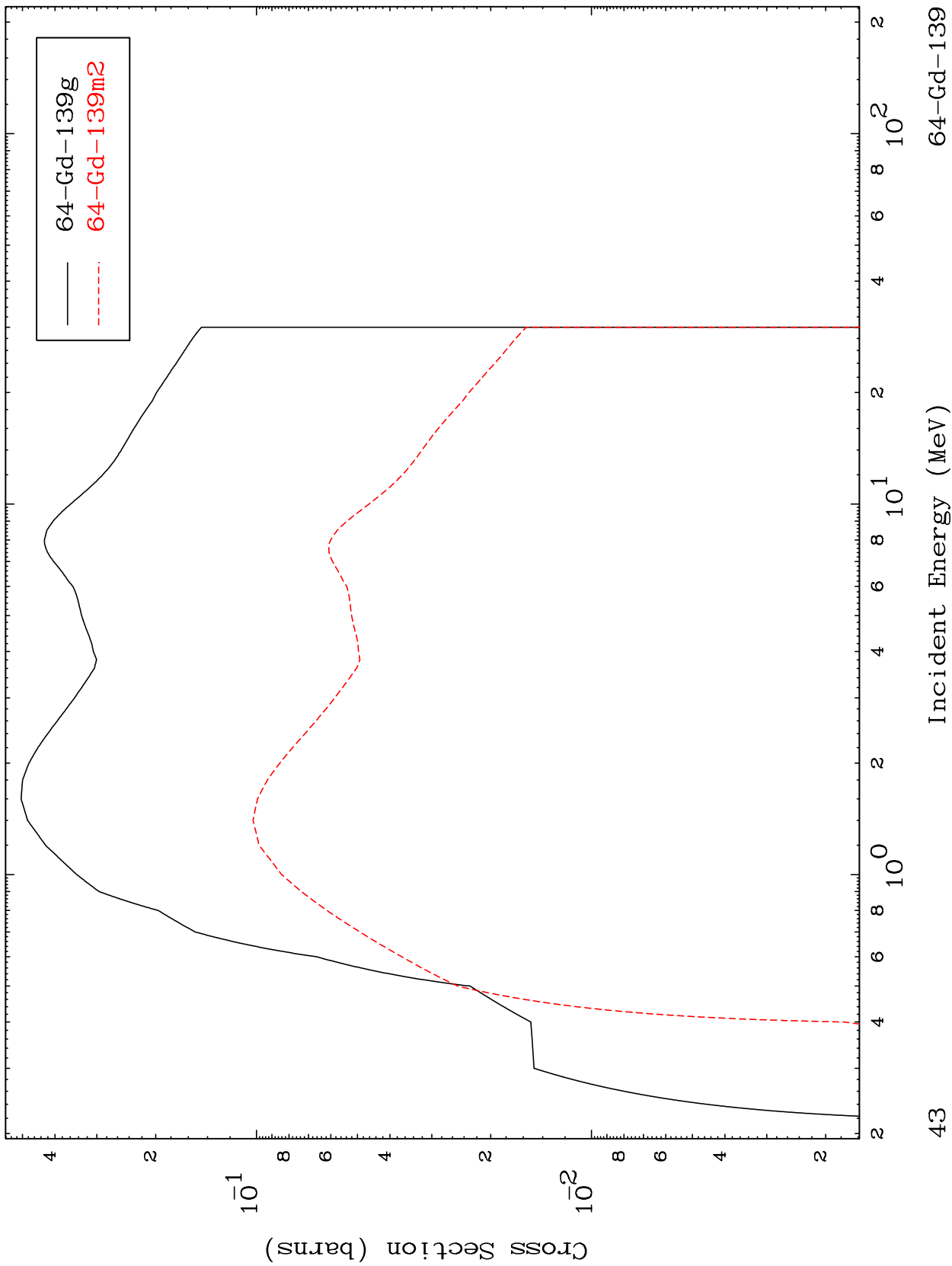
Incident Energy (MeV)

64-Gd-139

MAT 6386

64-Gd-139

Inelastic
Radionuclide Production Cross Section



43

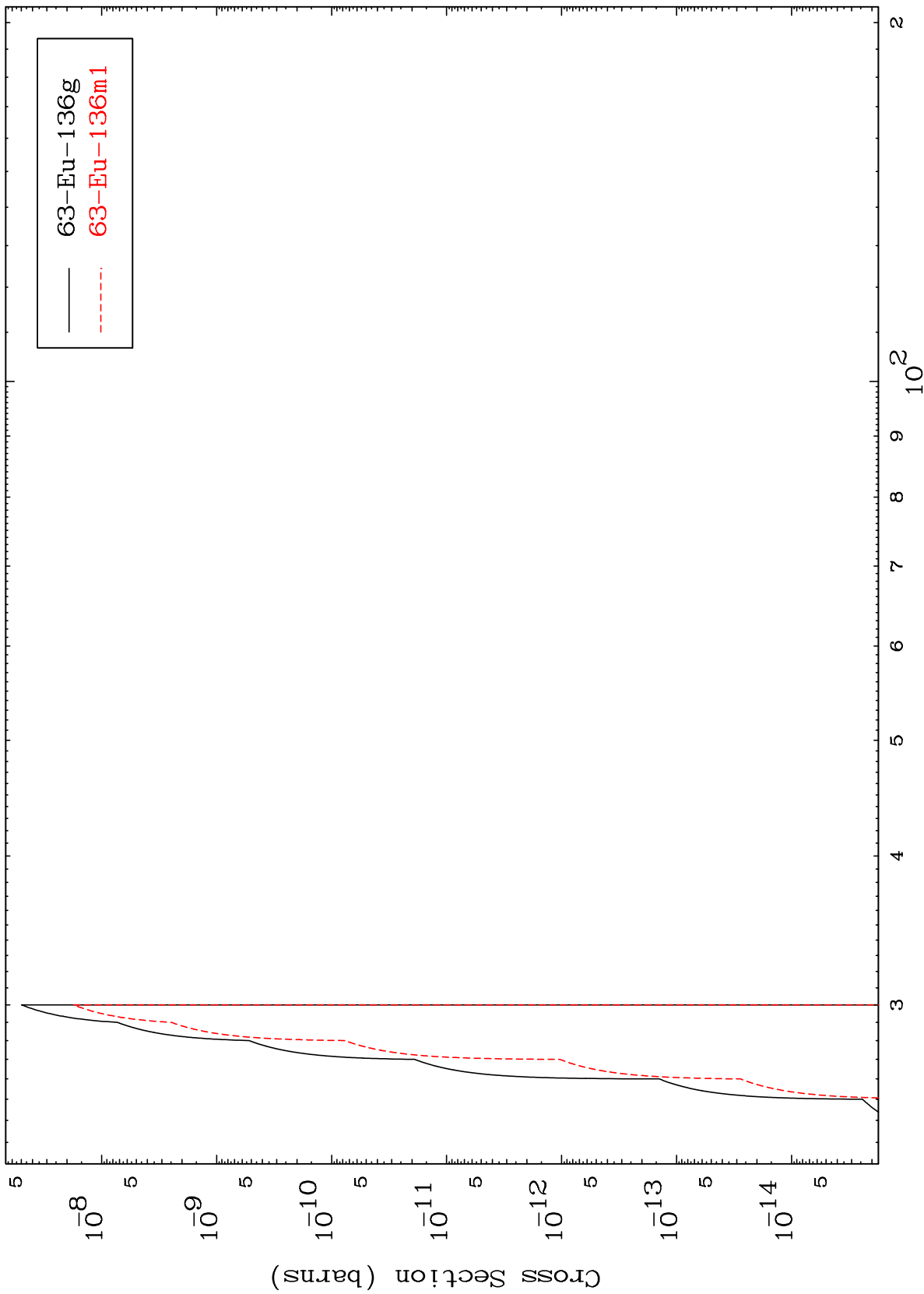
64-Gd-139

MAT 6386

(n,2n) d

64-Gd-139

Radionuclide Production Cross Section



44

Incident Energy (MeV)

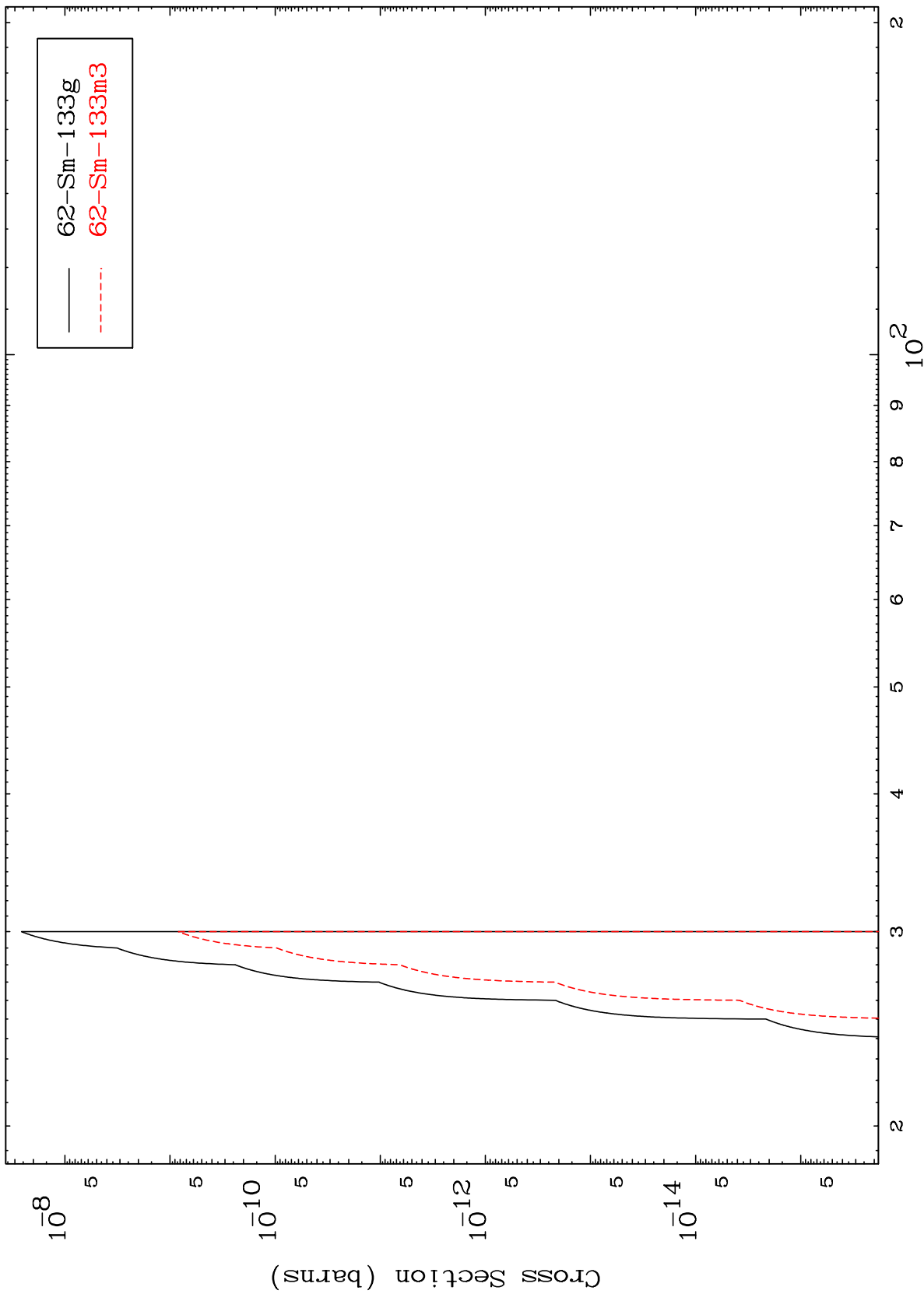
64-Gd-139

MAT 6386

(n,3n) α

64-Gd-139

Radionuclide Production Cross Section



45

Incident Energy (MeV)

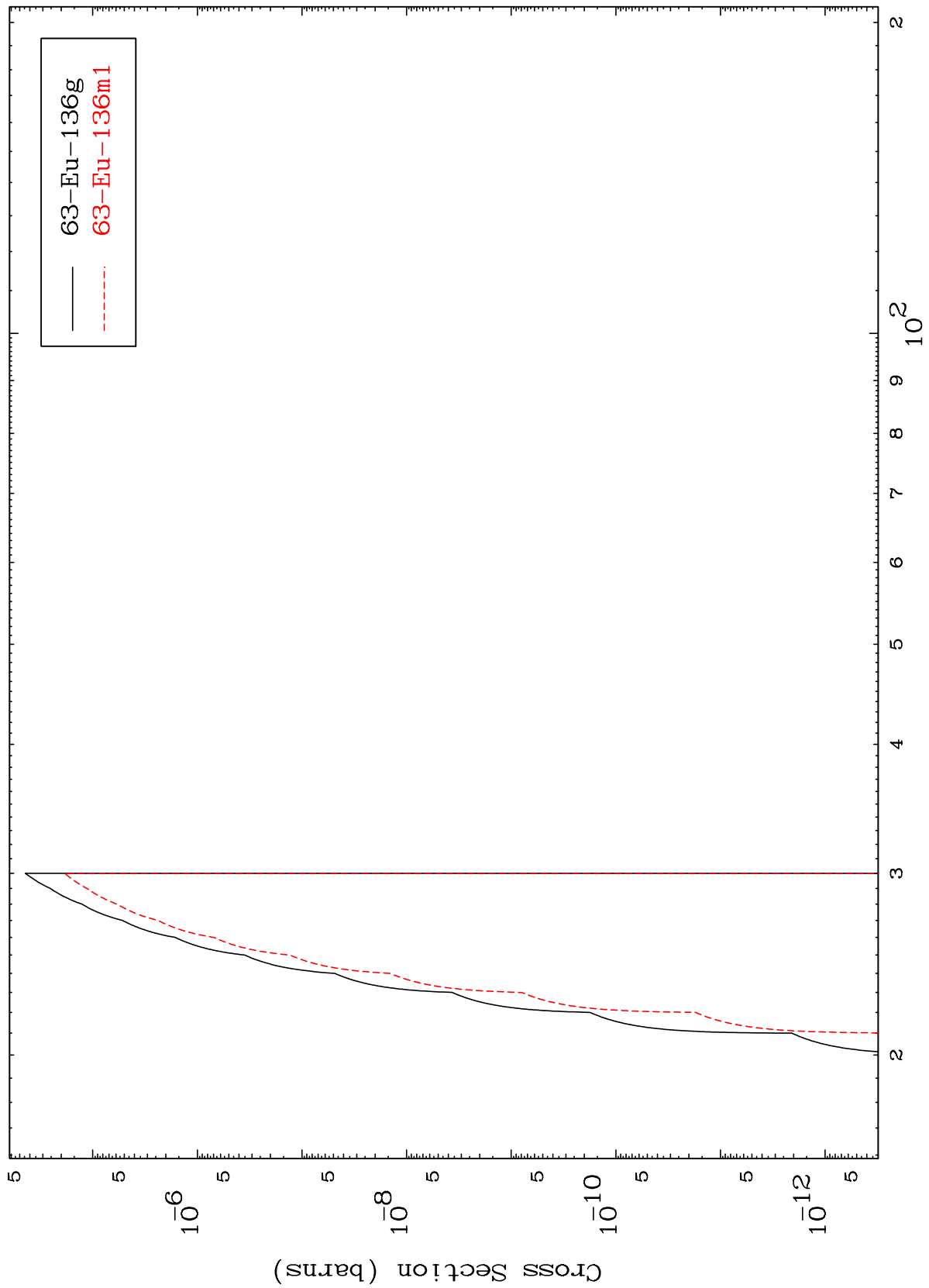
64-Gd-139

MAT 6386

(n,n') t

64-Gd-139

Radionuclide Production Cross Section



46

Incident Energy (MeV)

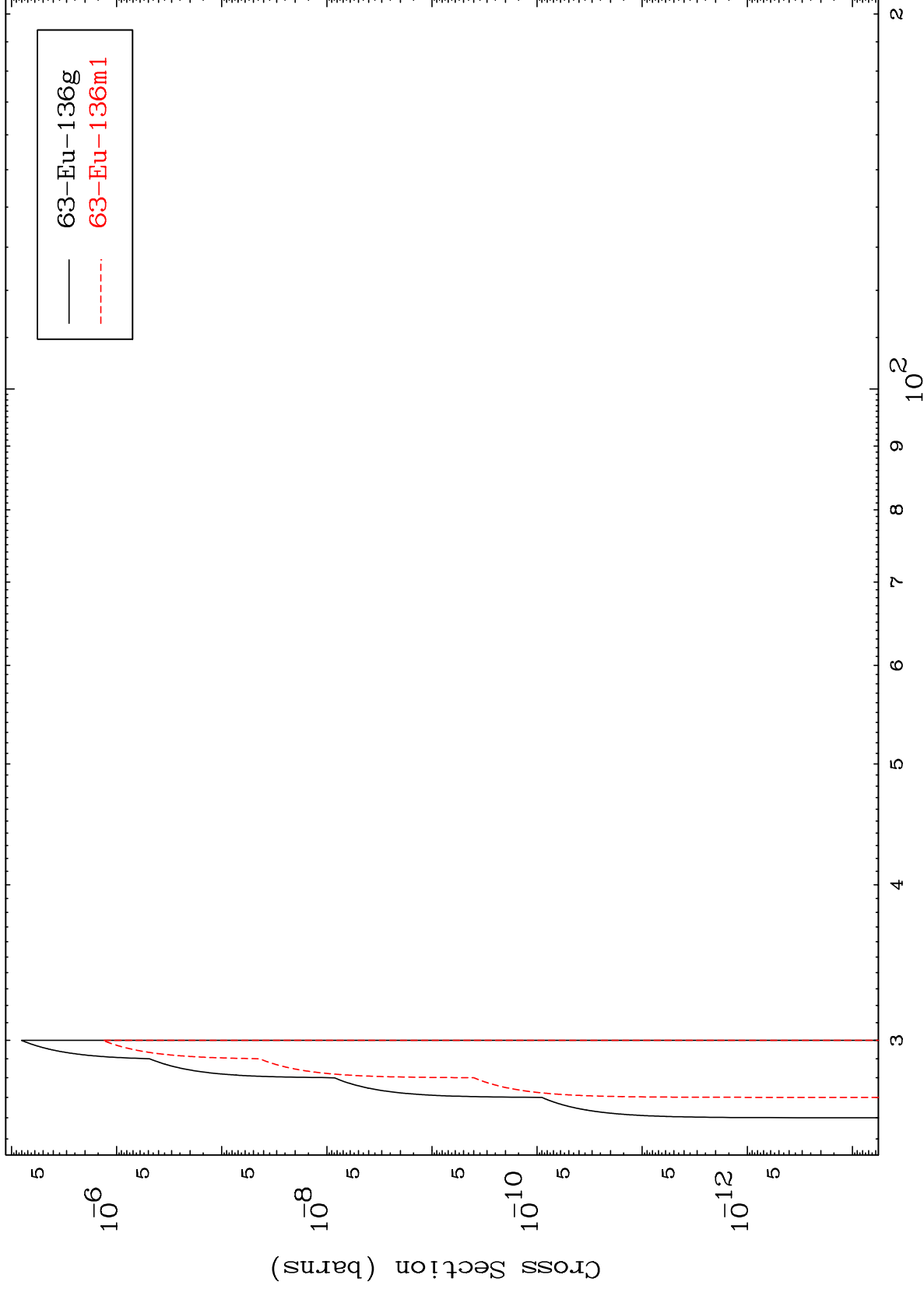
64-Gd-139

MAT 6386

(n,3n) p

64-Gd-139

Radionuclide Production Cross Section



47

Incident Energy (MeV)

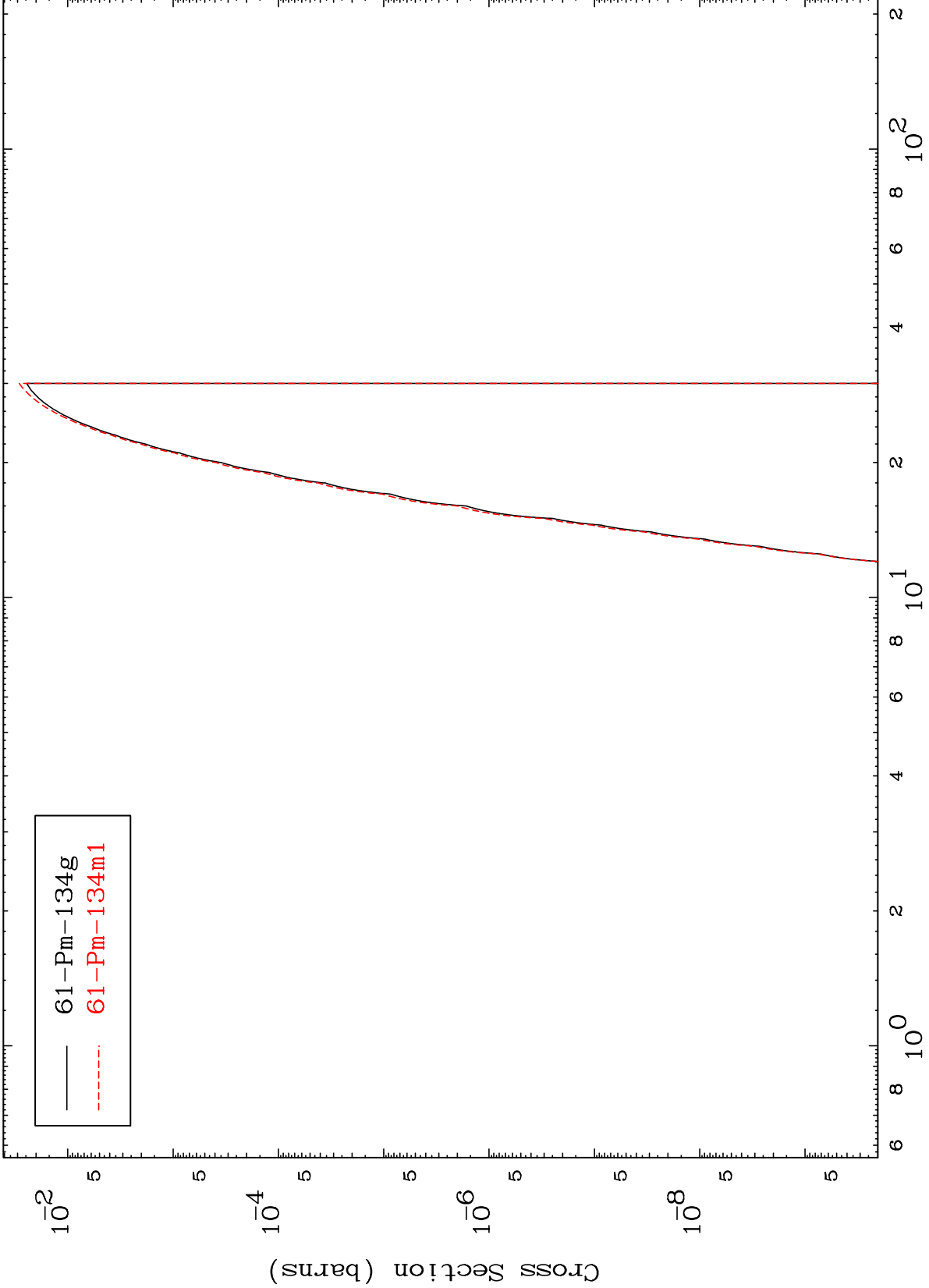
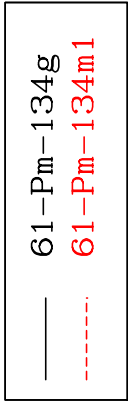
64-Gd-139

MAT 6386

(n,n') p α

64-Gd-139

Radionuclide Production Cross Section



48

Incident Energy (MeV)

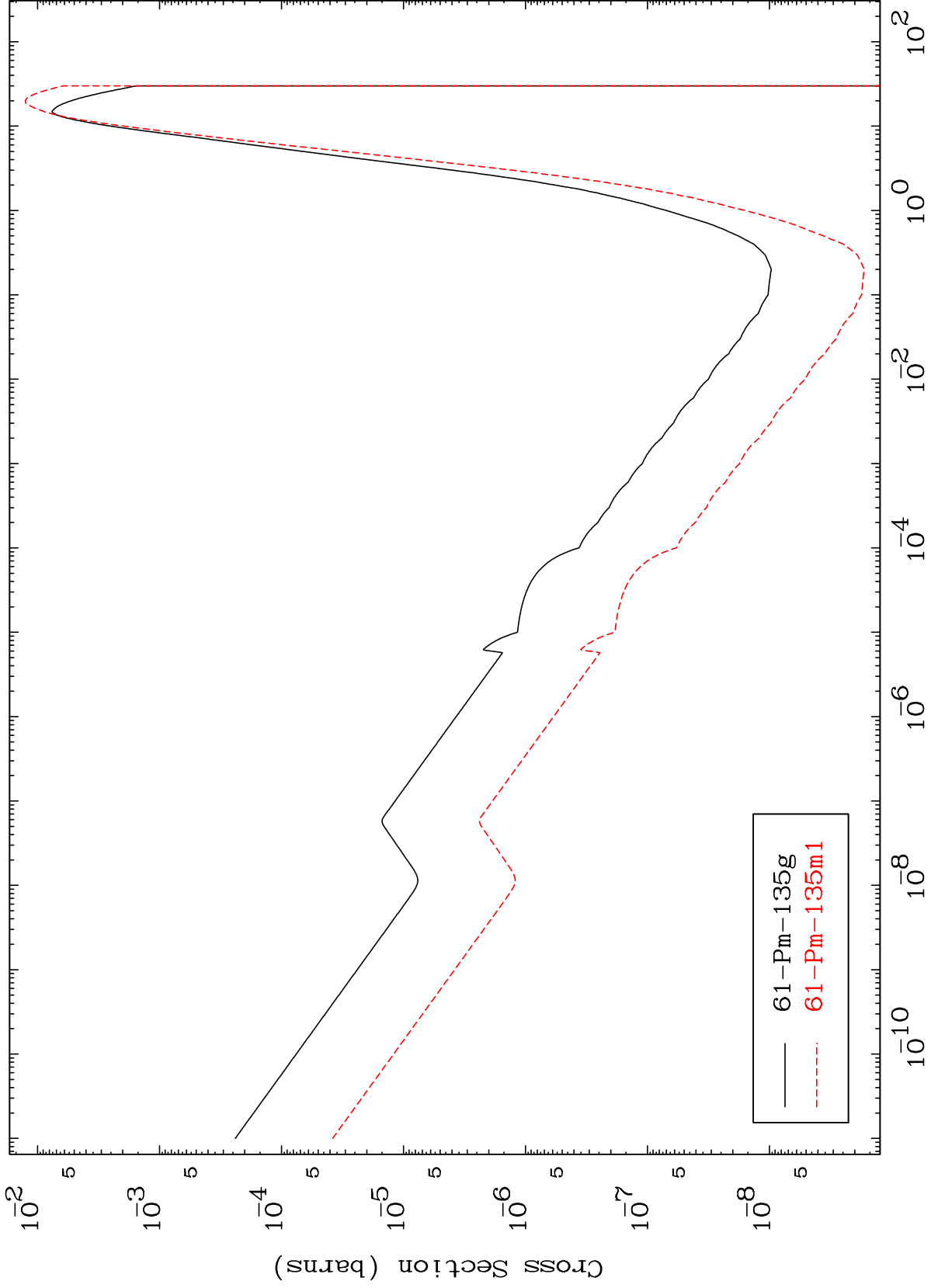
64-Gd-139

MAT 6386

(n,p) α

64-Gd-139

Radionuclide Production Cross Section

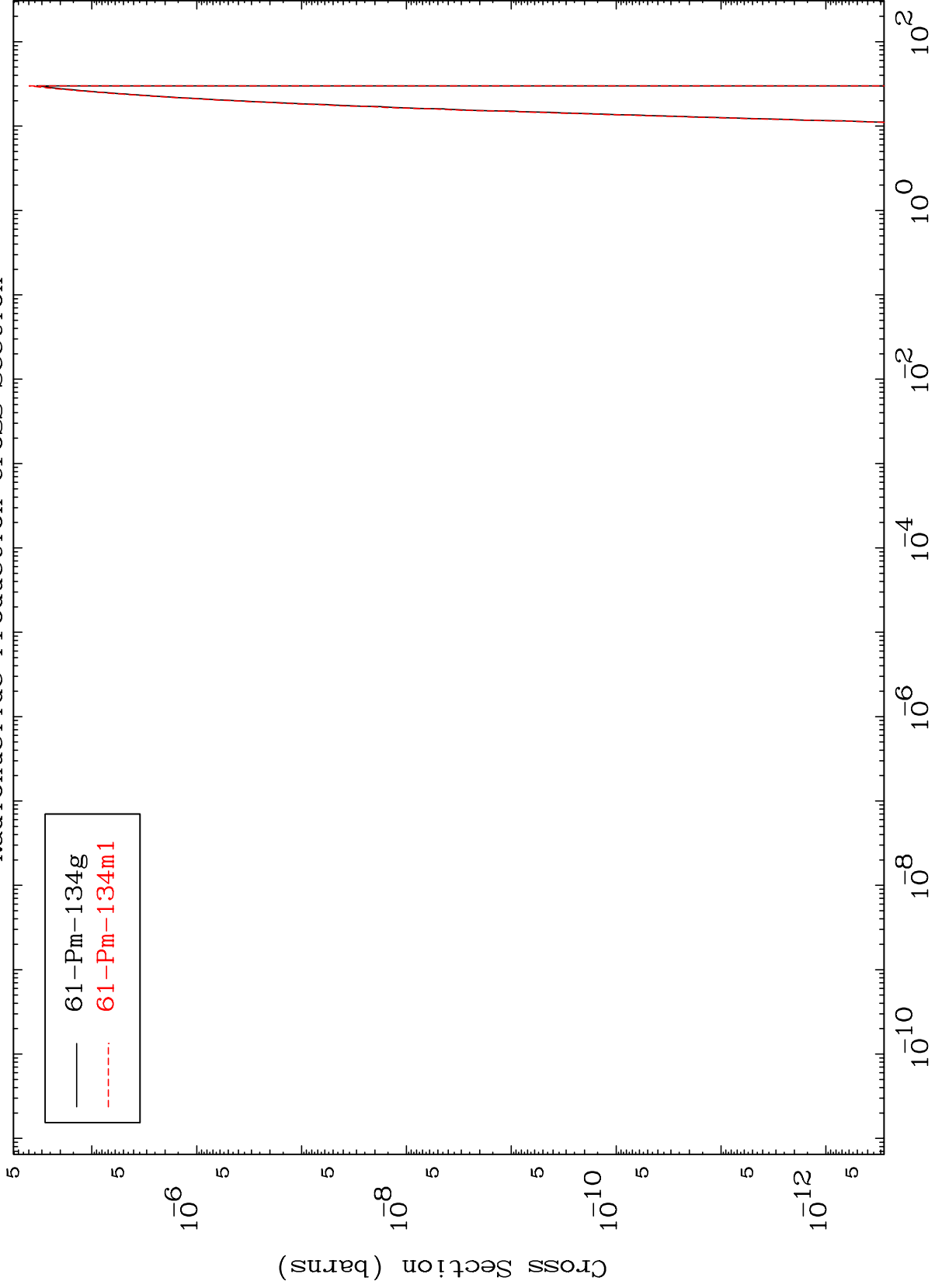


MAT 6386

(n,d) α

$^{64}\text{Gd}-139$

Radionuclide Production Cross Section



50

Incident Energy (MeV)

$^{64}\text{Gd}-139$