

Program EVALPLOT
(Version 2015-2)

by

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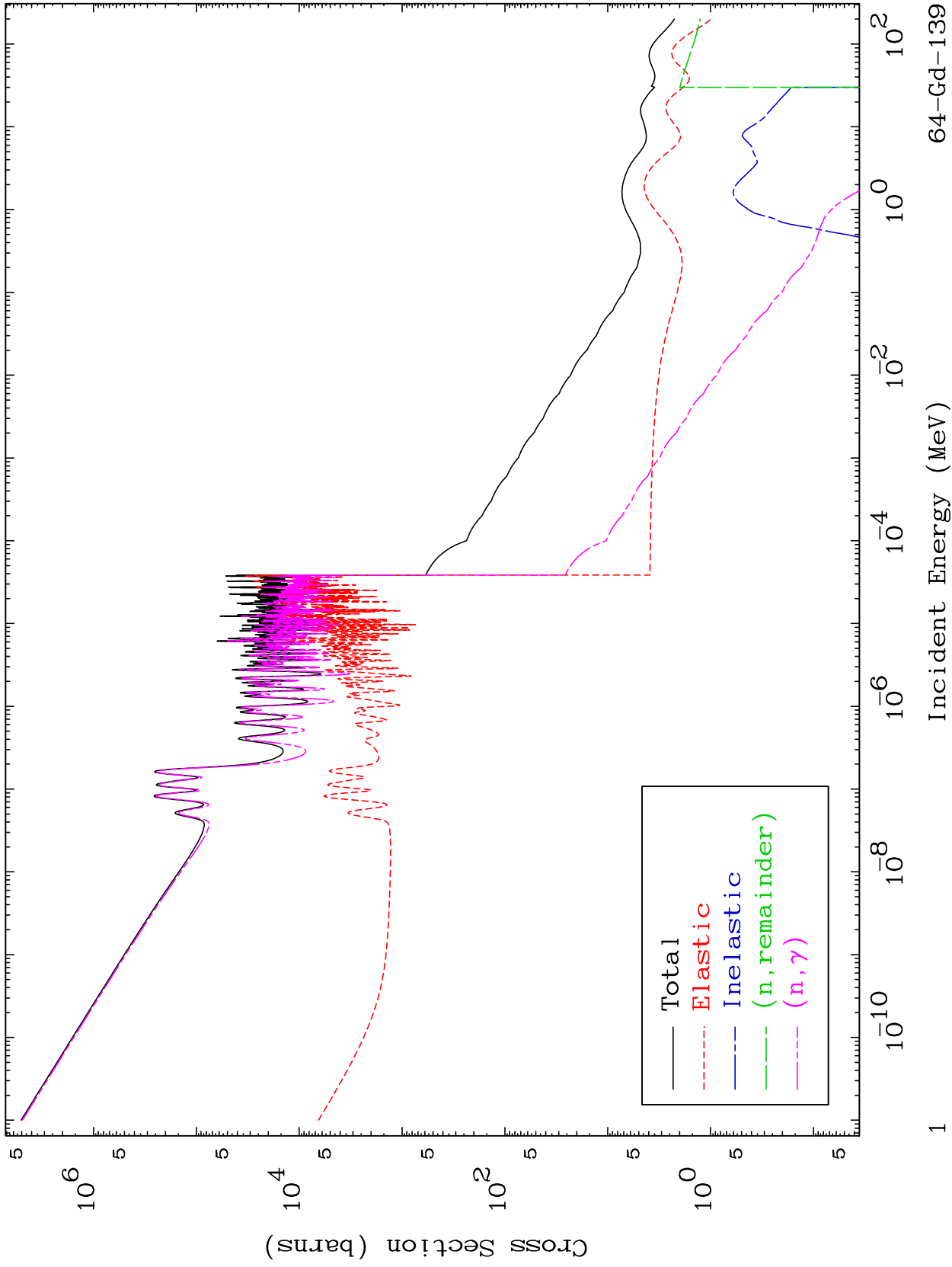
Press Mouse Button to Start

MAT 6386

Major

293 Kelvin Cross Sections

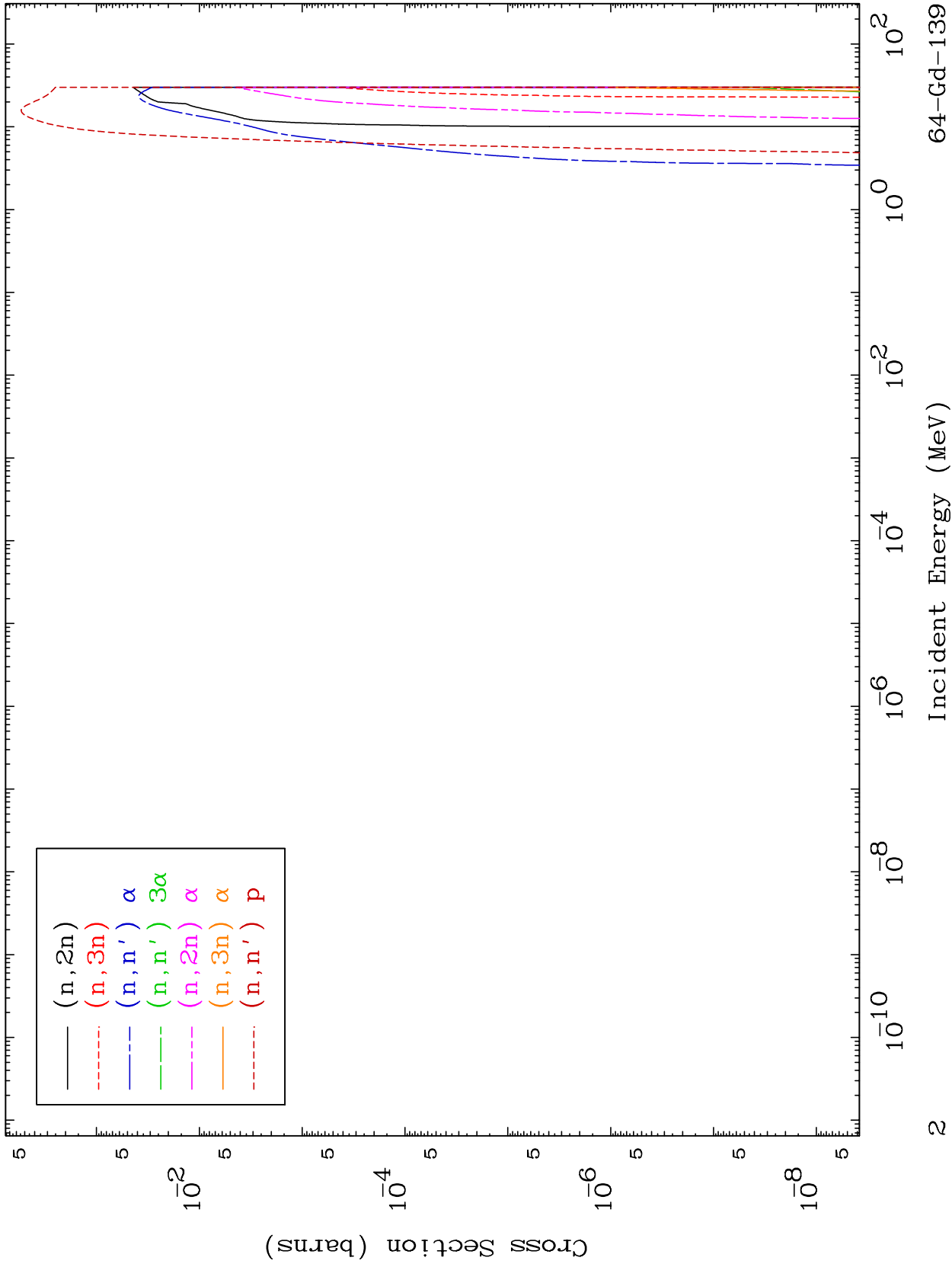
64-Gd-139



MAT 6386

Neutron Production
293 Kelvin Cross Sections

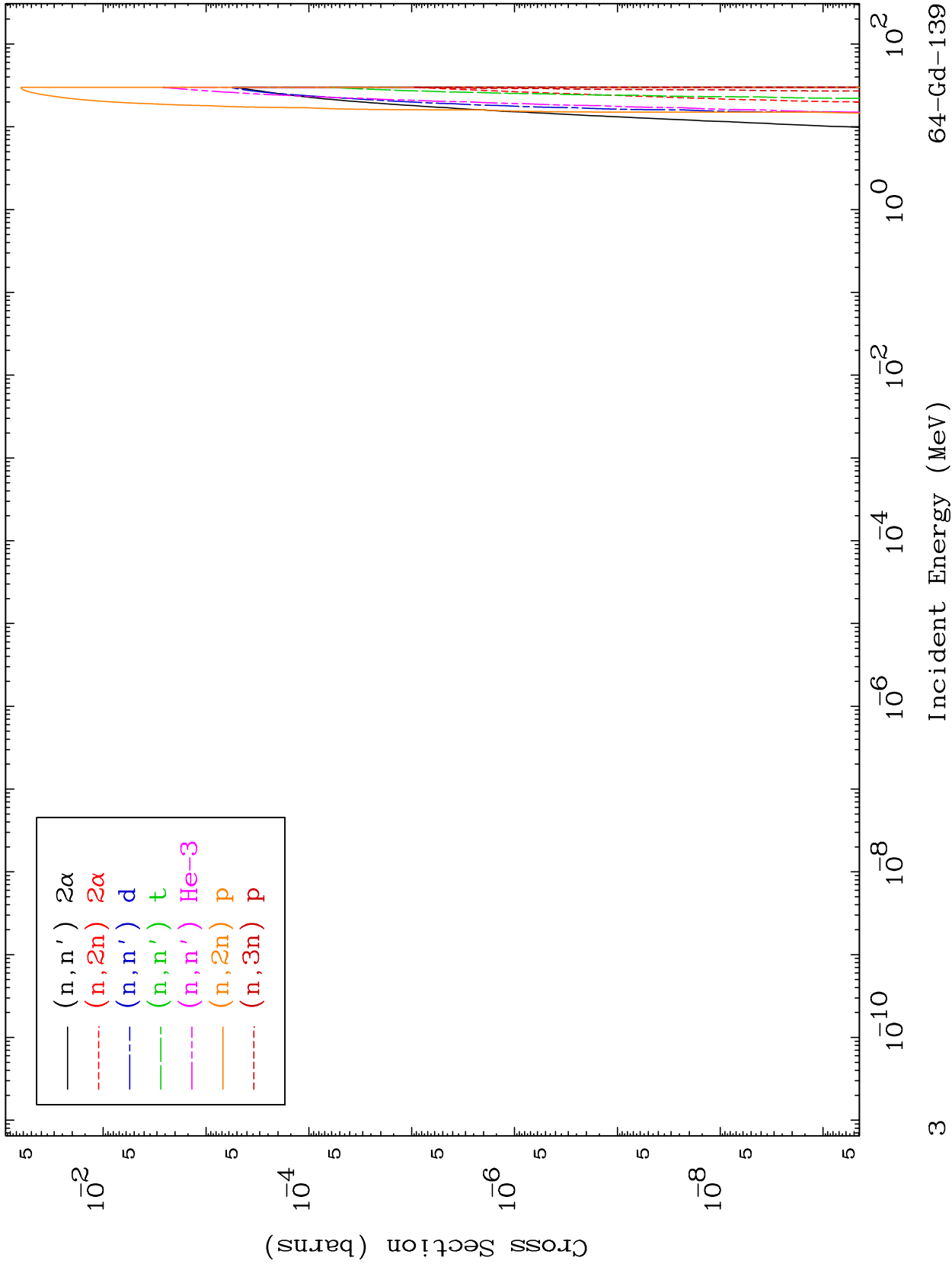
64-Gd-139



MAT 6386

Neutron Production
293 Kelvin Cross Sections

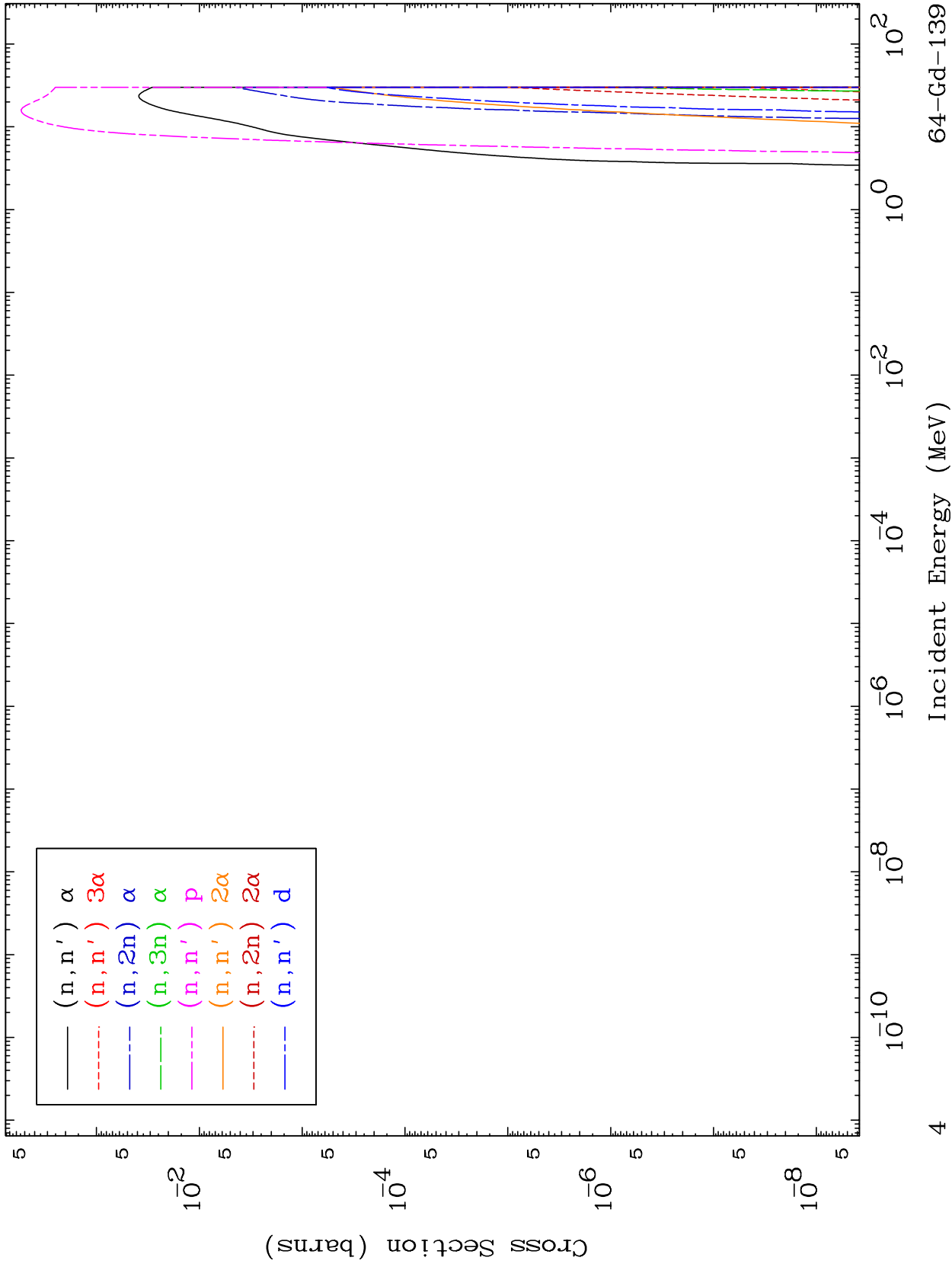
64-Gd-139



MAT 6386

Charged Particle
293 Kelvin Cross Sections

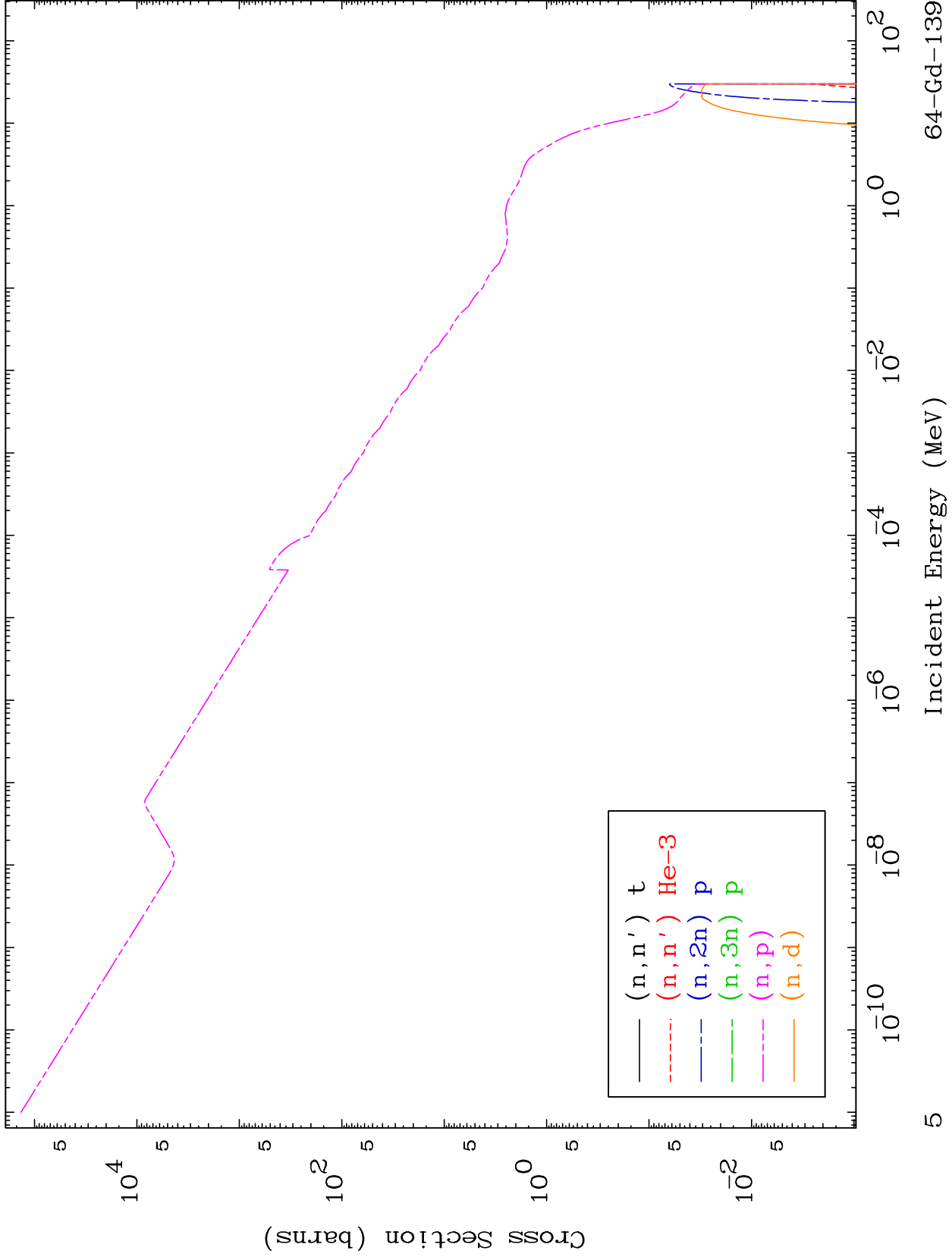
64-Gd-139



MAT 6386

Charged Particle
293 Kelvin Cross Sections

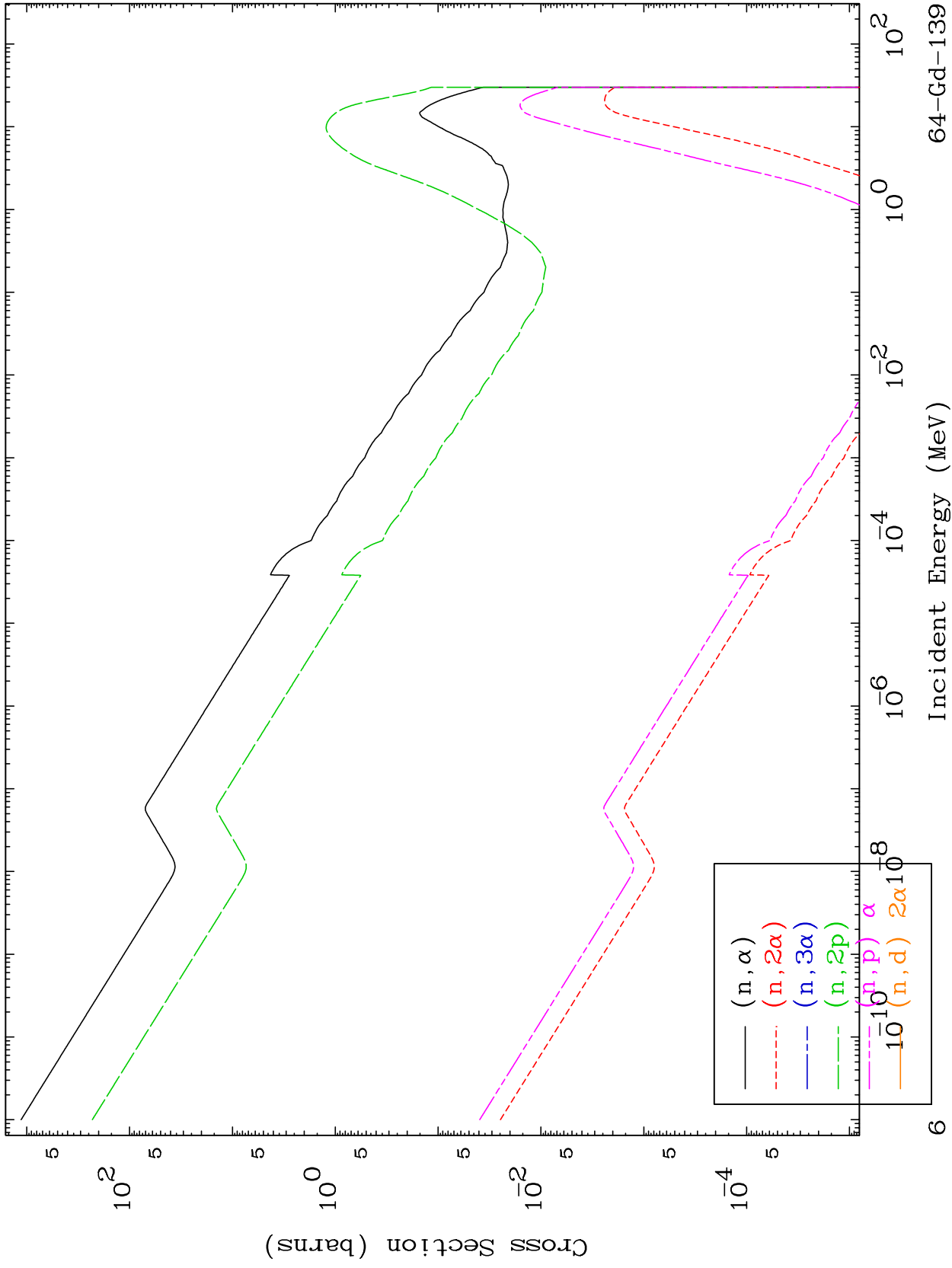
64-Gd-139



MAT 6386

Charged Particle
293 Kelvin Cross Sections

64-Gd-139

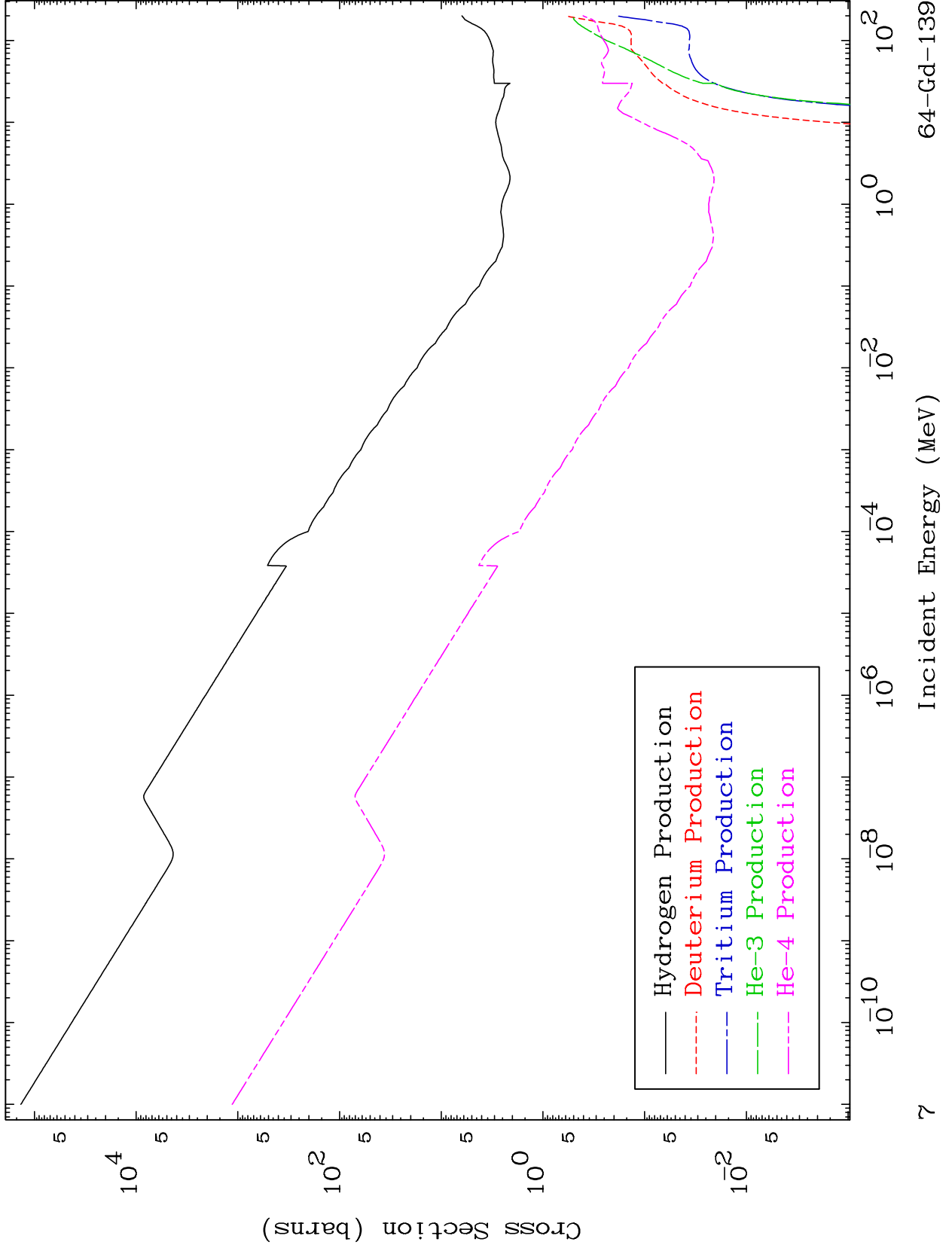


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MAT 6386

Particle Production
293 Kelvin Cross Sections

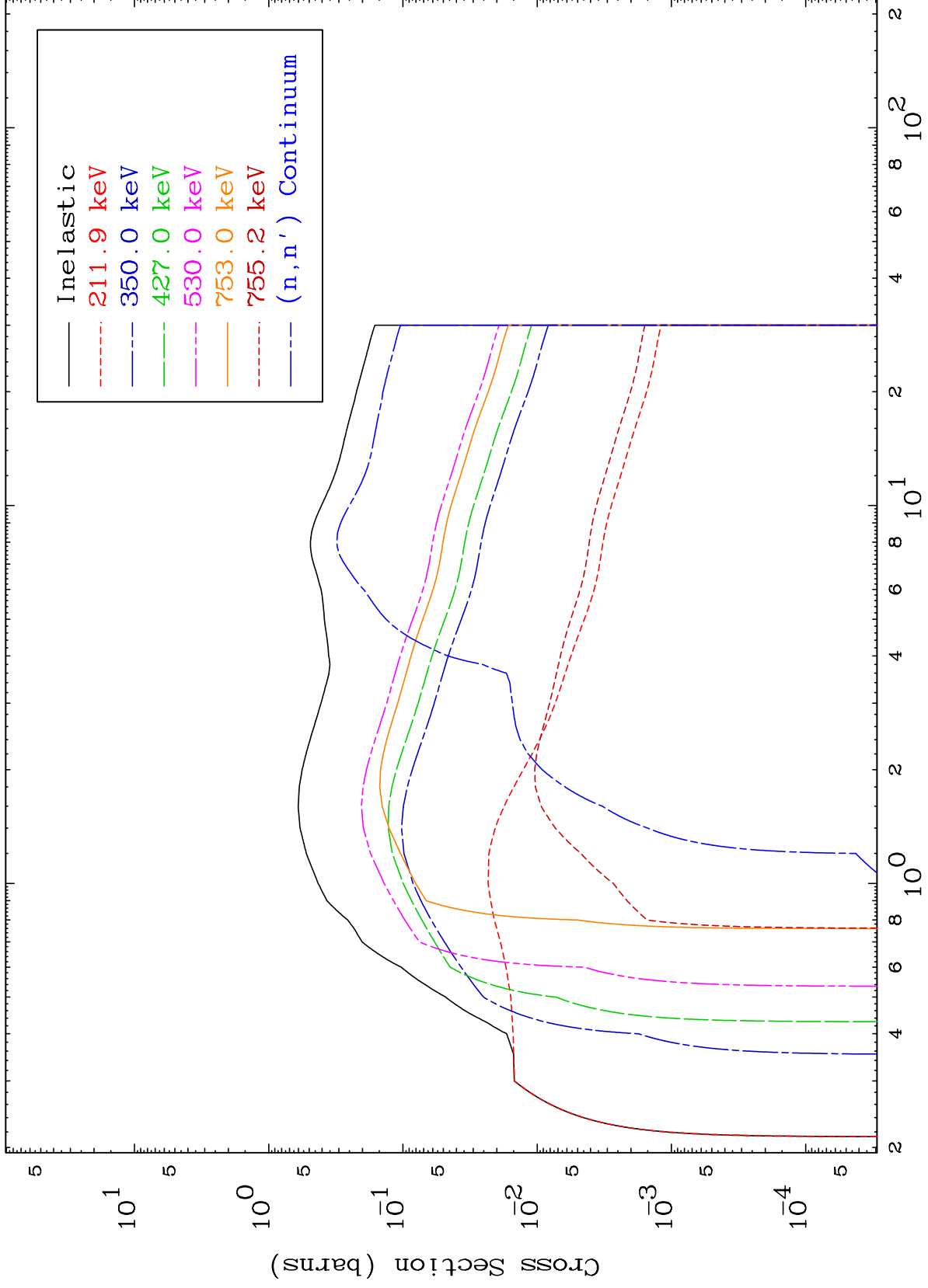
64-Gd-139



MAT 6386

(n,n') Level
293 Kelvin Cross Sections

64-Gd-139



8

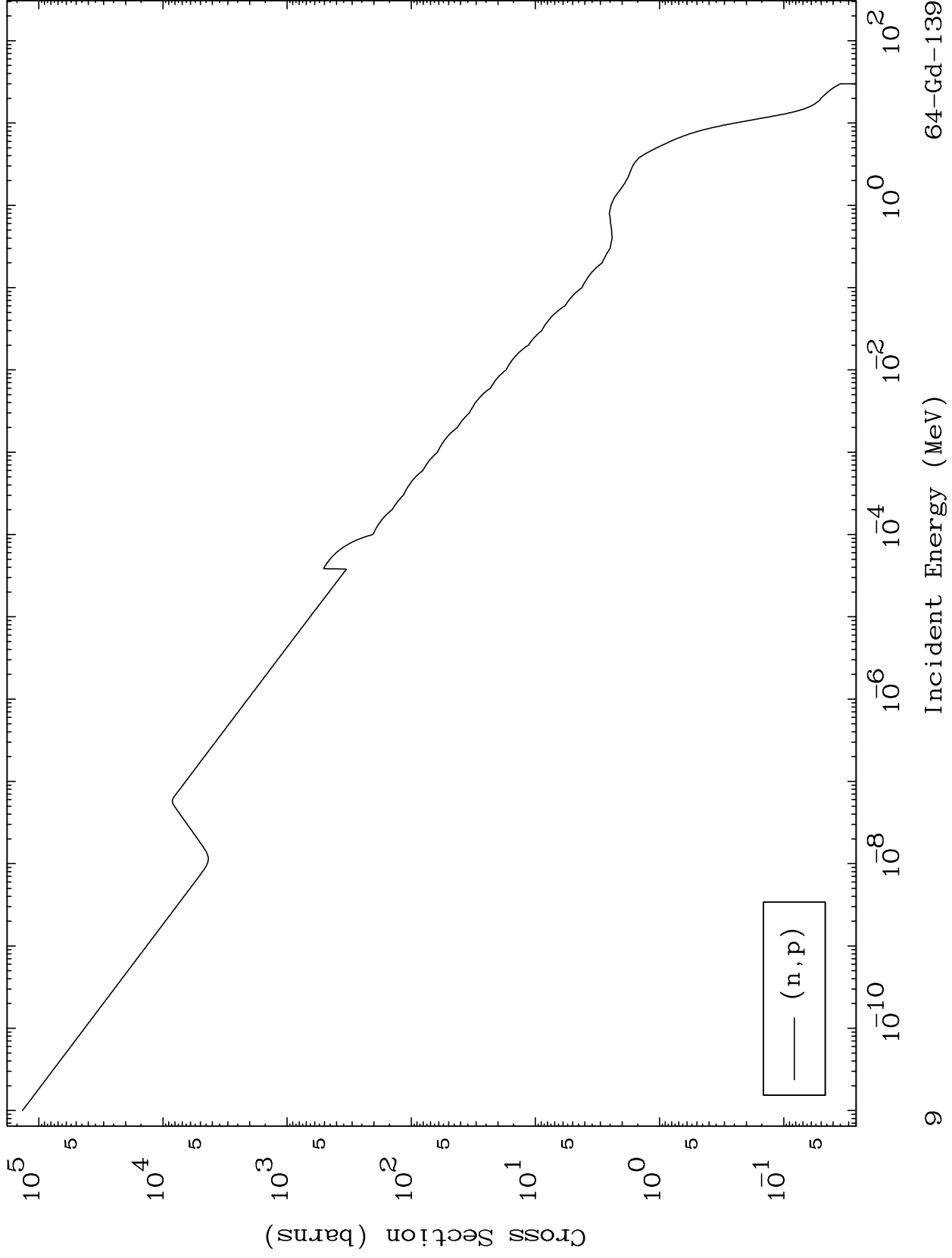
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,p) Levels
293 Kelvin Cross Sections

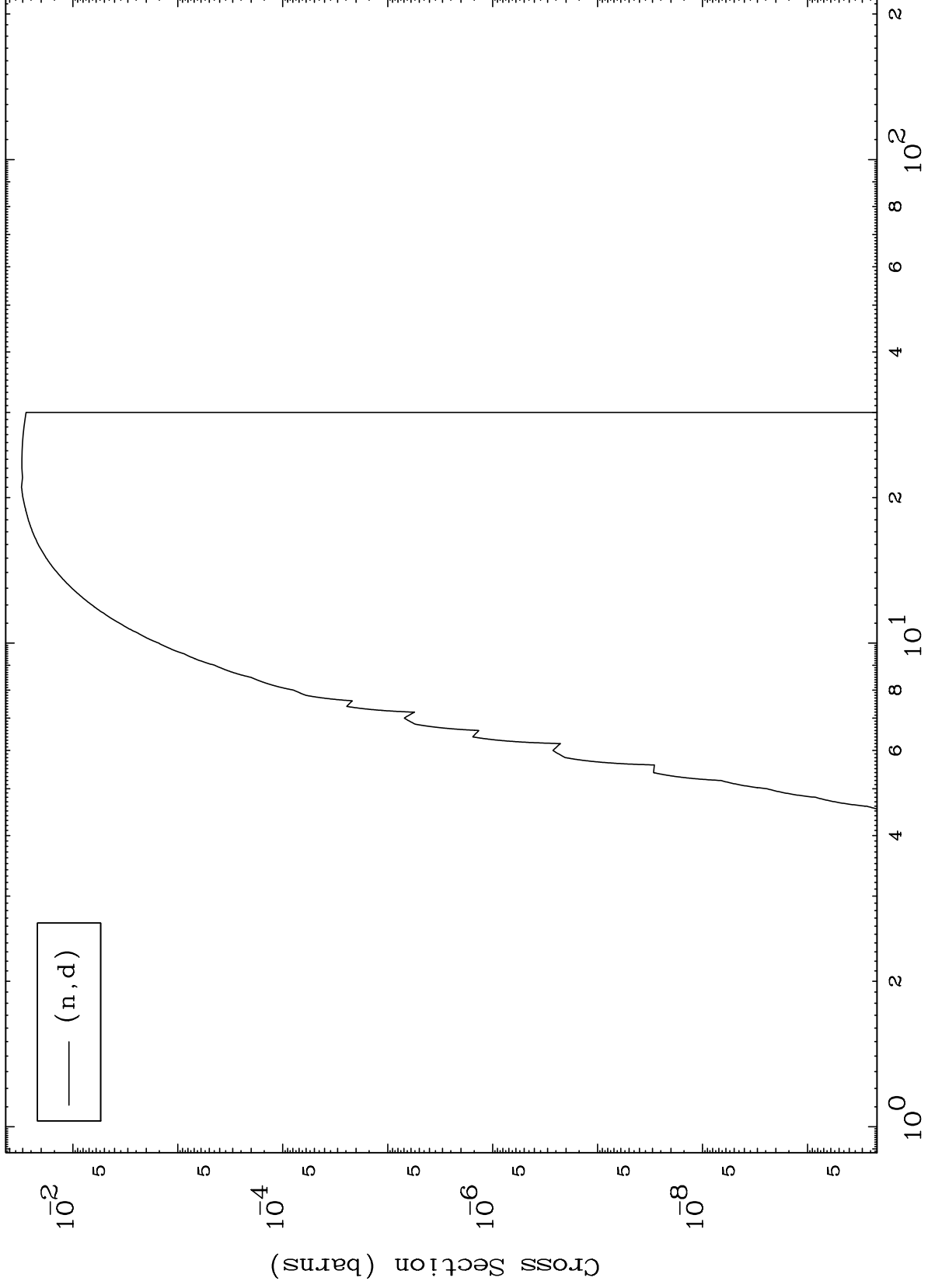
64-Gd-139



MAT 6386

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-139



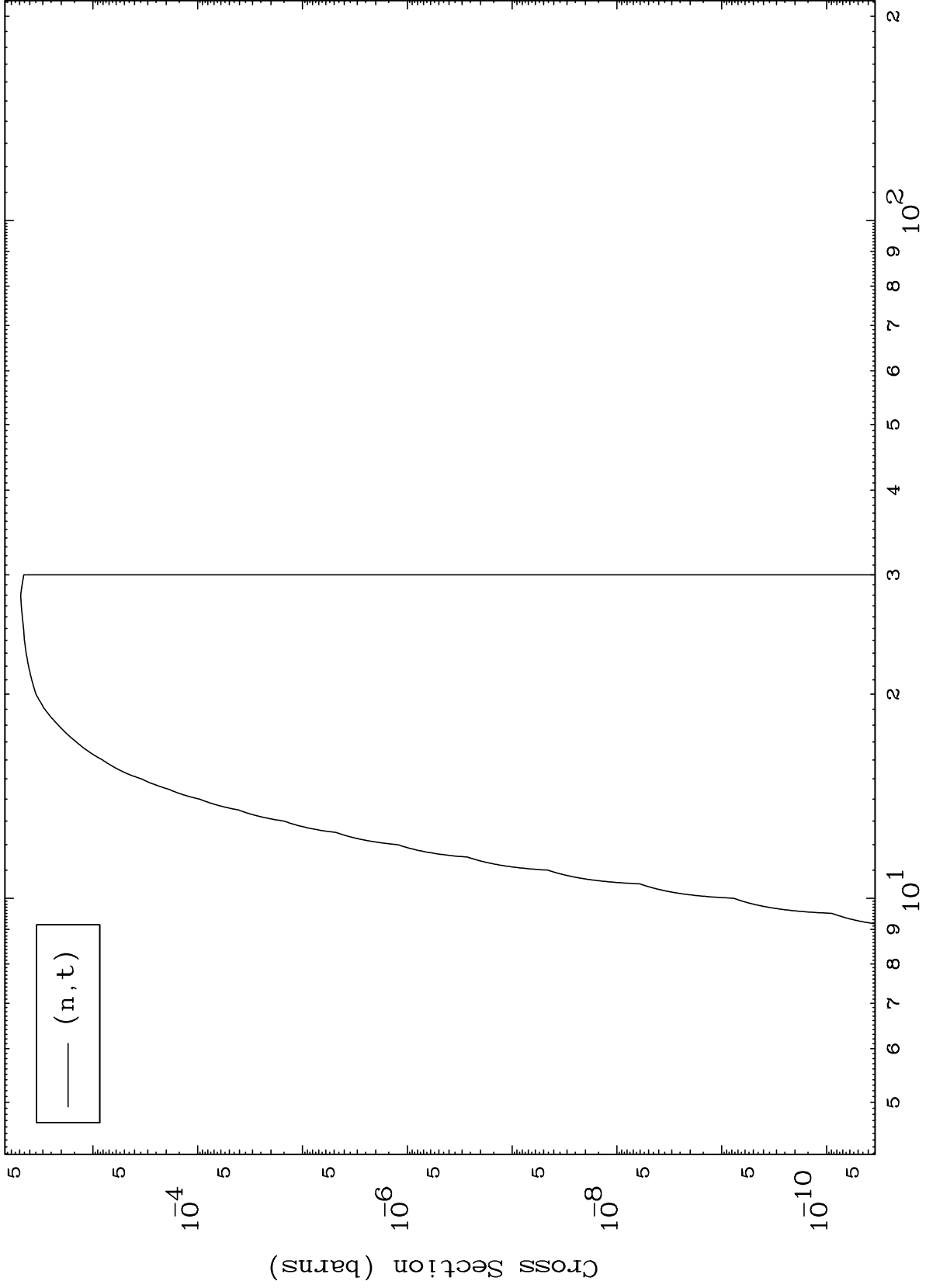
Incident Energy (MeV)

64-Gd-139

MAT 6386

(n,t) Levels
293 Kelvin Cross Sections

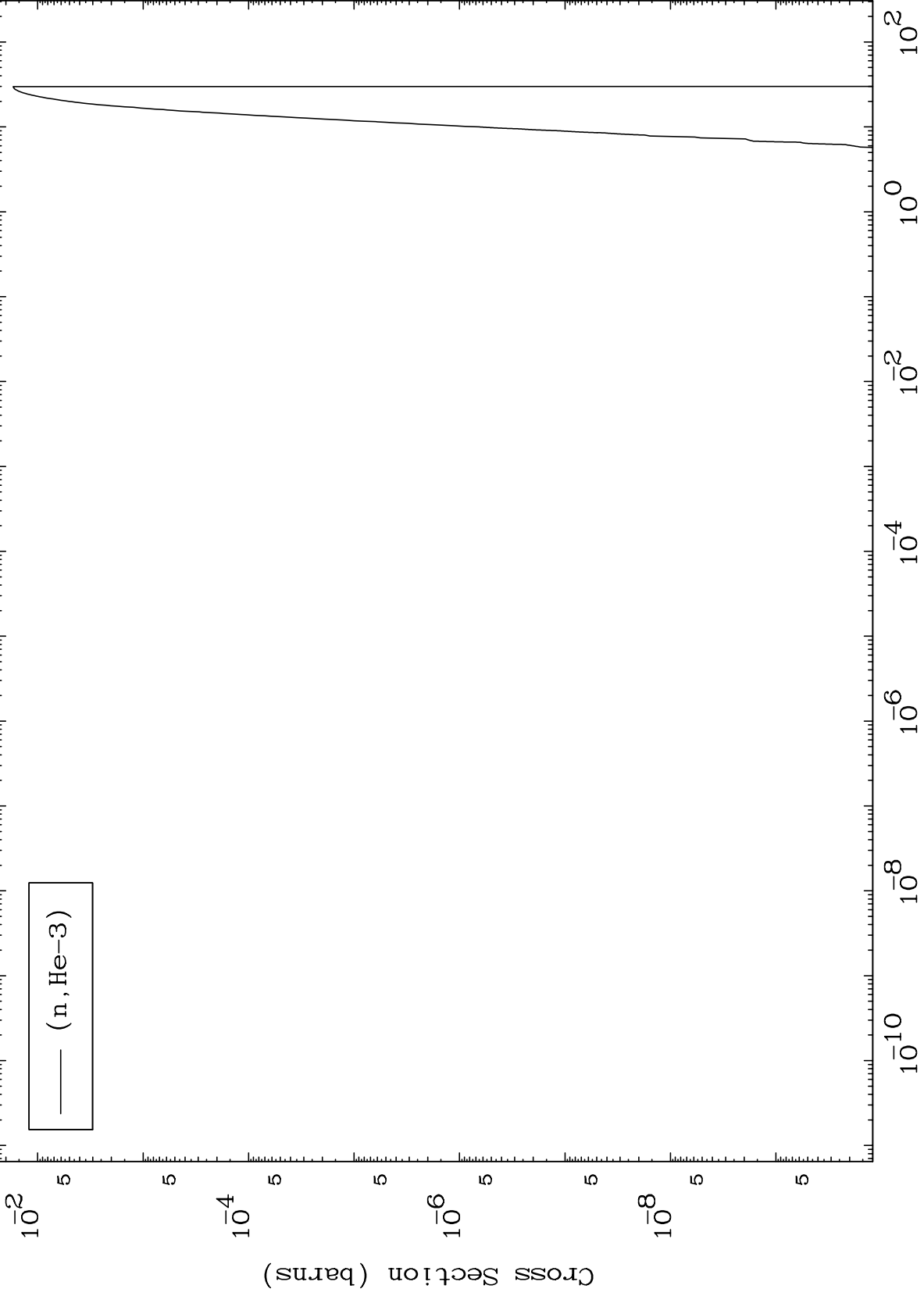
64-Gd-139



MAT 6386

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-139



(n, He-3)

64-Gd-139

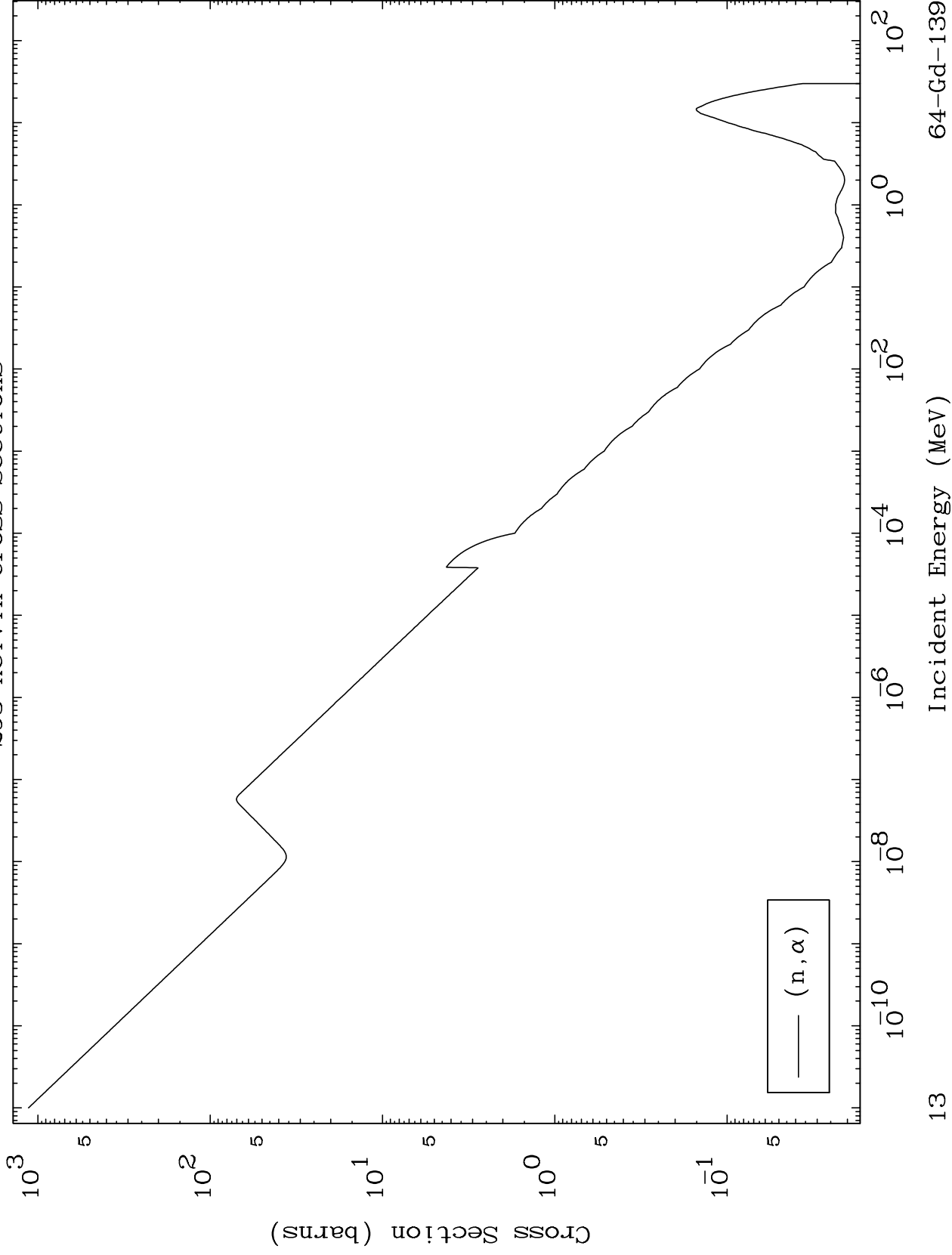
Incident Energy (MeV)

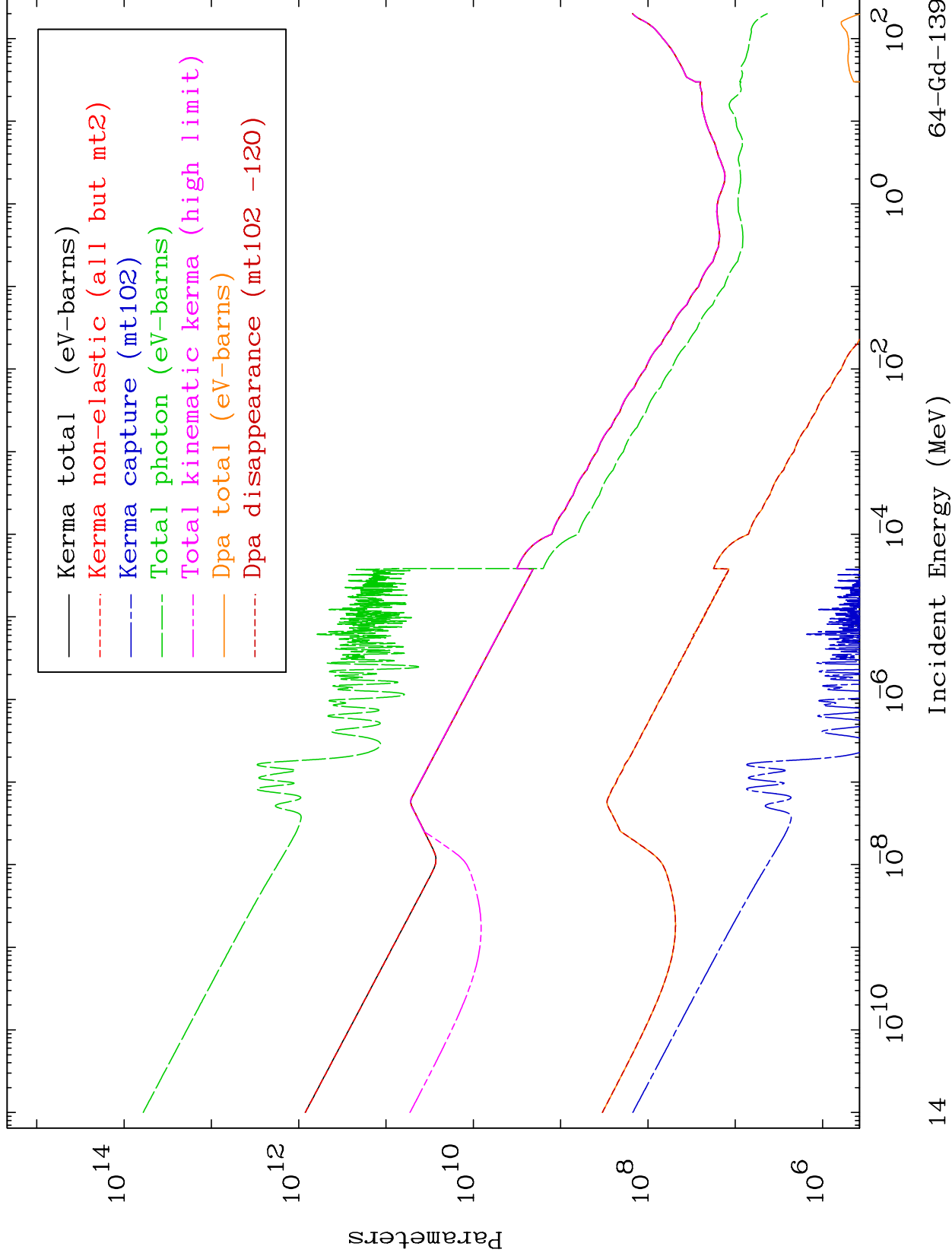
12

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(n, α) Levels
293 Kelvin Cross Sections

64-Gd-139

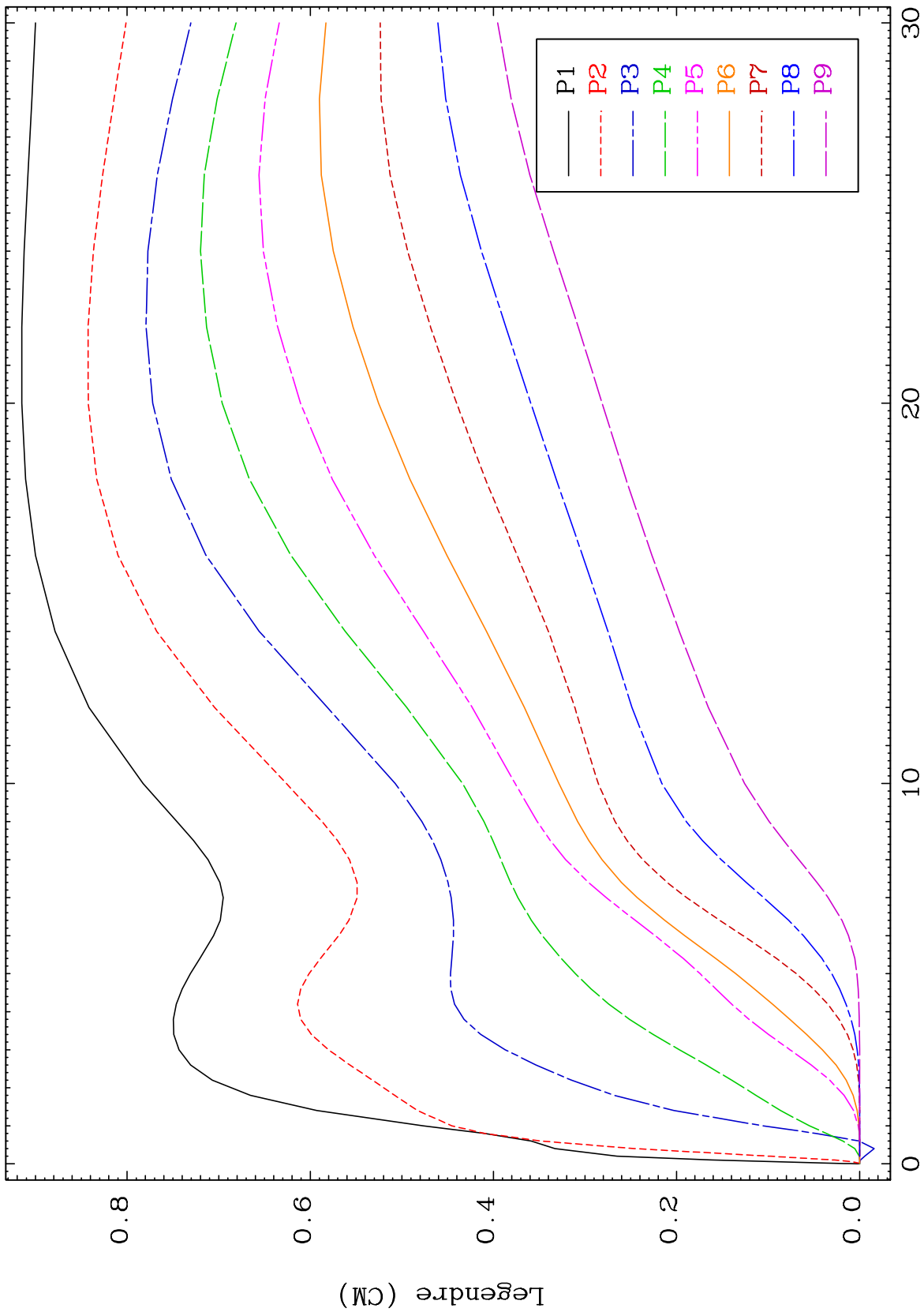




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Elastic Legendre Coefficients

64-Gd-139



15

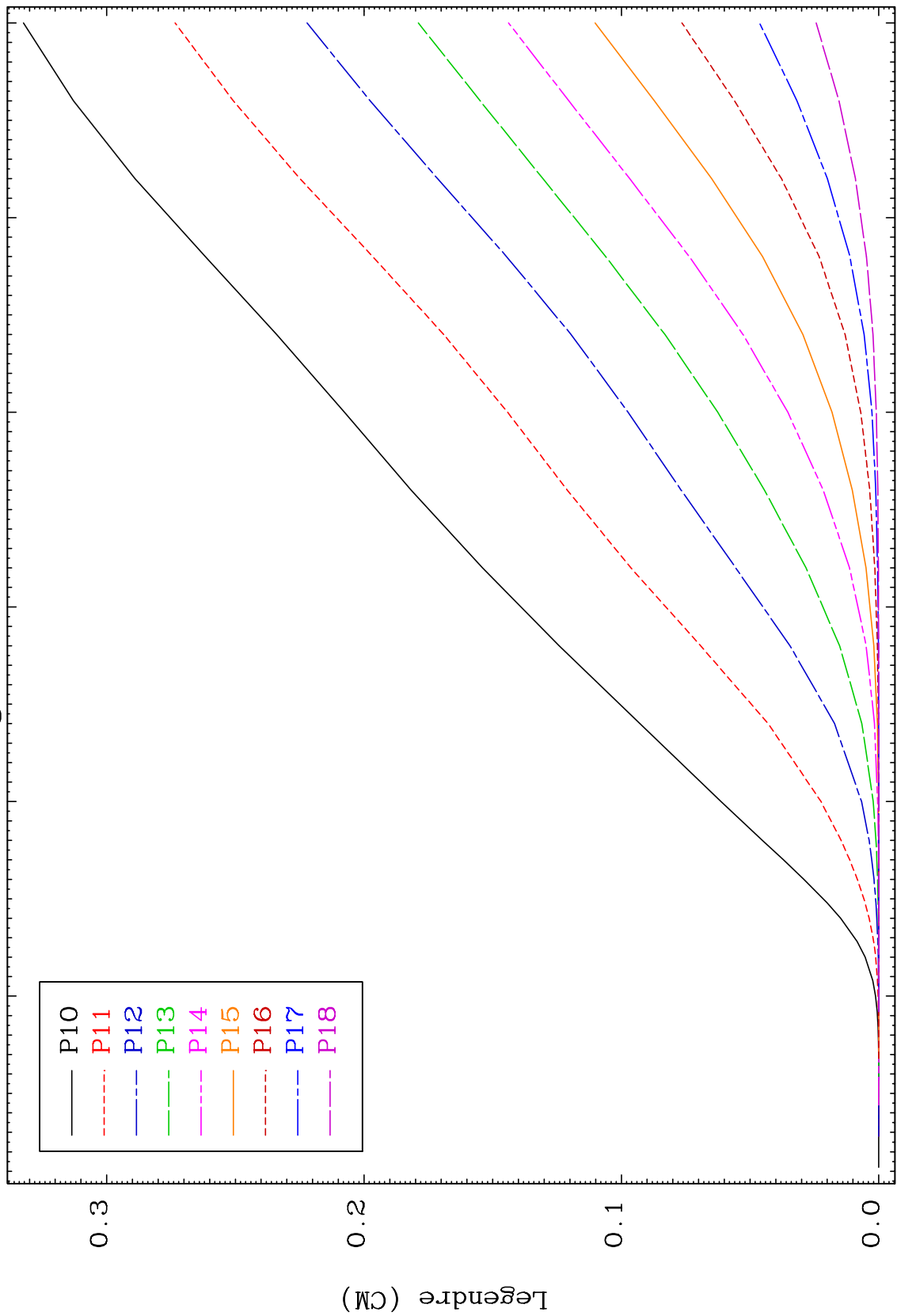
Incident Energy (MeV)

64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



16

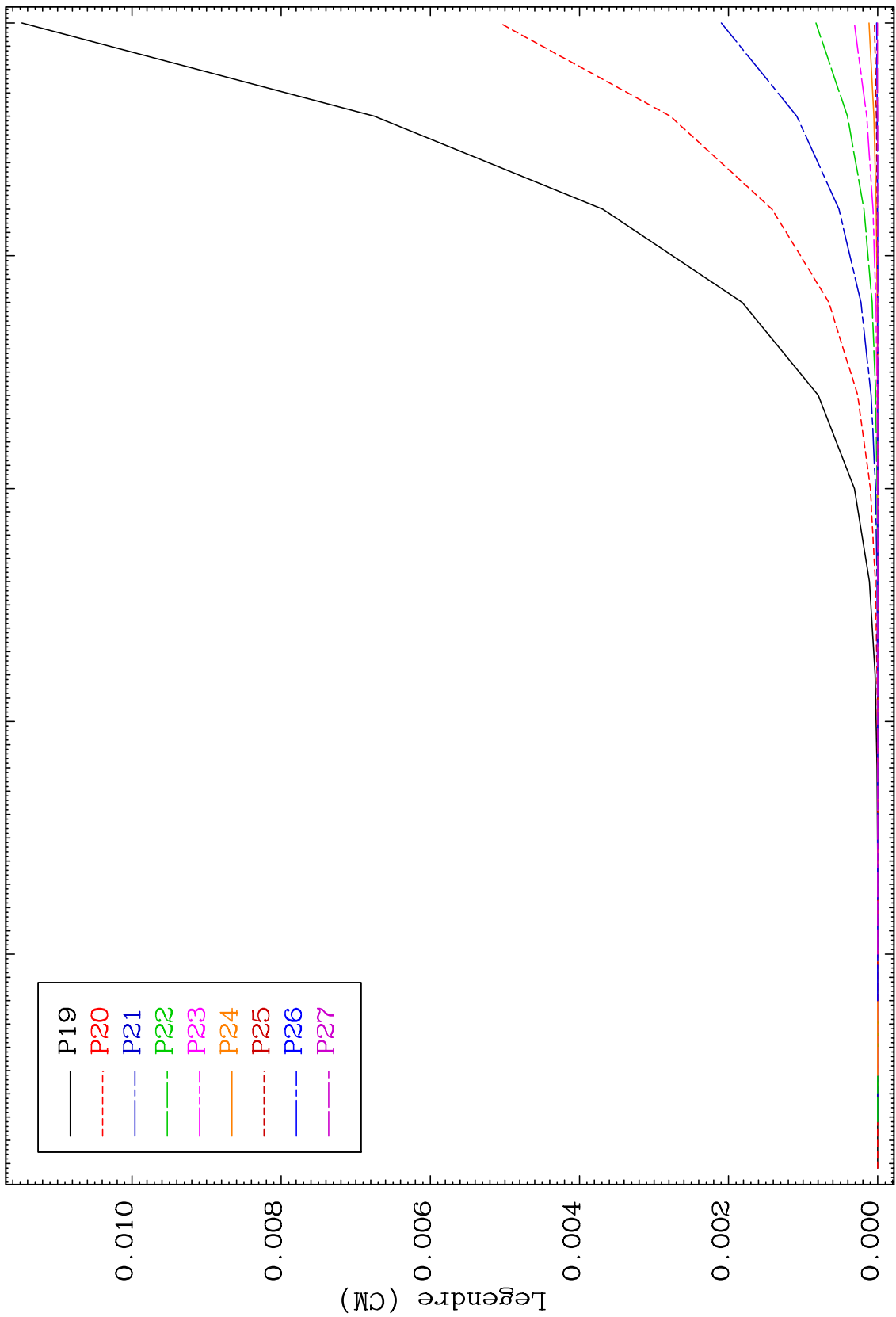
Incident Energy (MeV)

64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



17

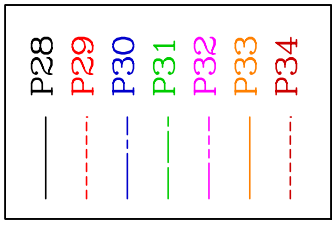
Incident Energy (MeV)

64-Gd-139

MAT 6386

Elastic Legendre Coefficients

64-Gd-139



$\times 10^{-6}$

1.2

1.0

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

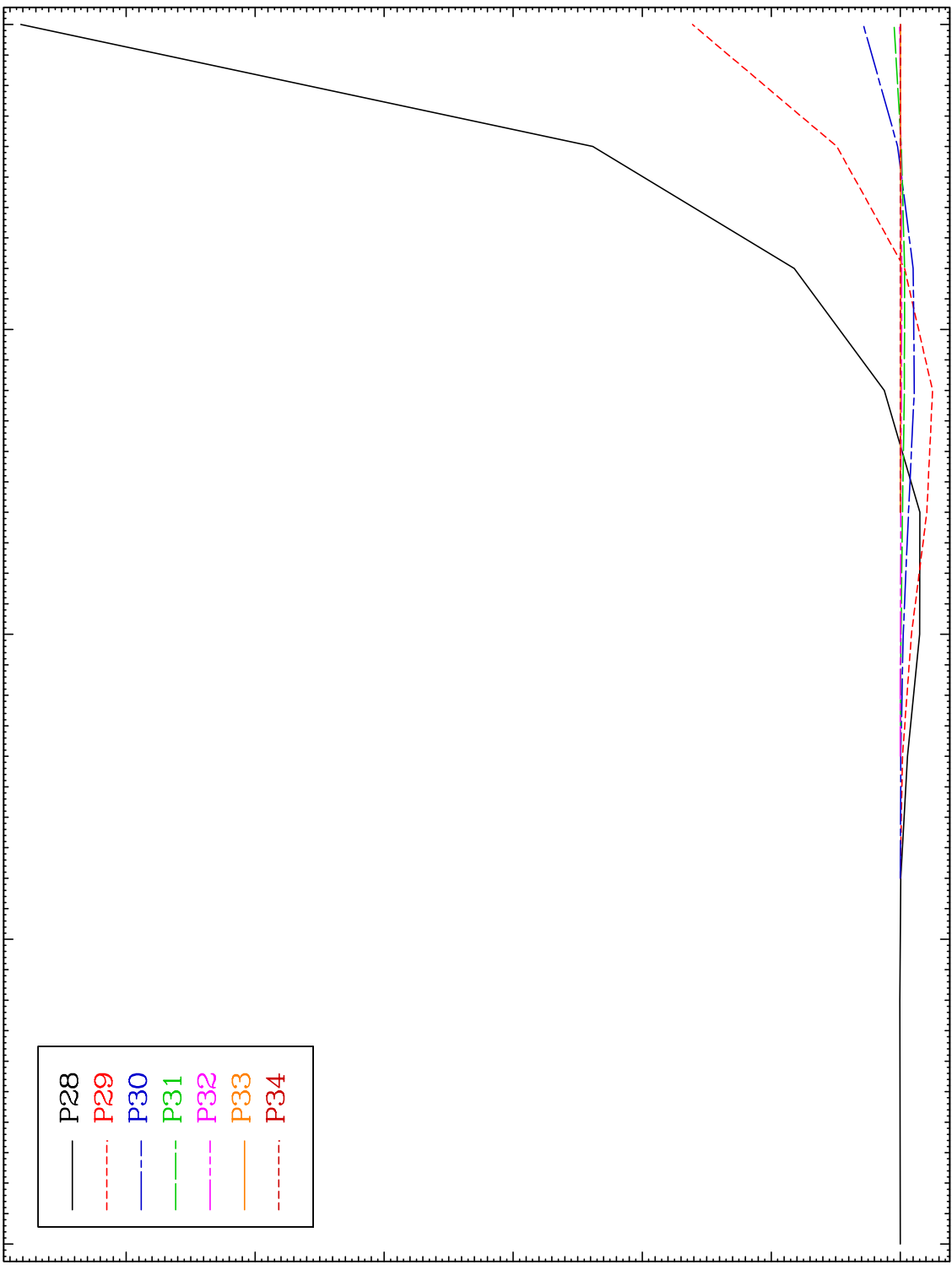
25

30

18

Incident Energy (MeV)

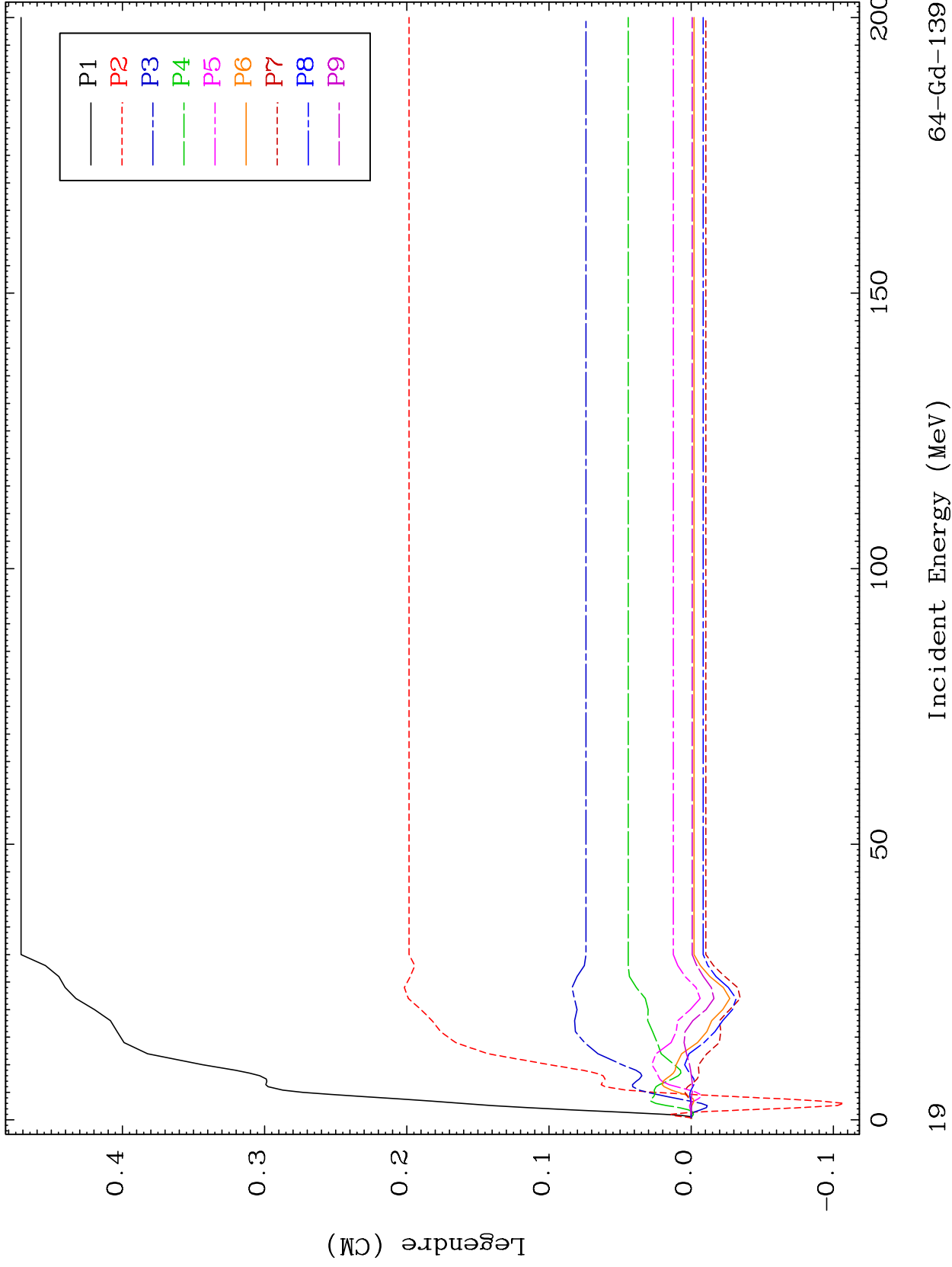
64-Gd-139



MAT 6386

211.9 keV (n,n') Level
Legendre Coefficients

64-Gd-139



19

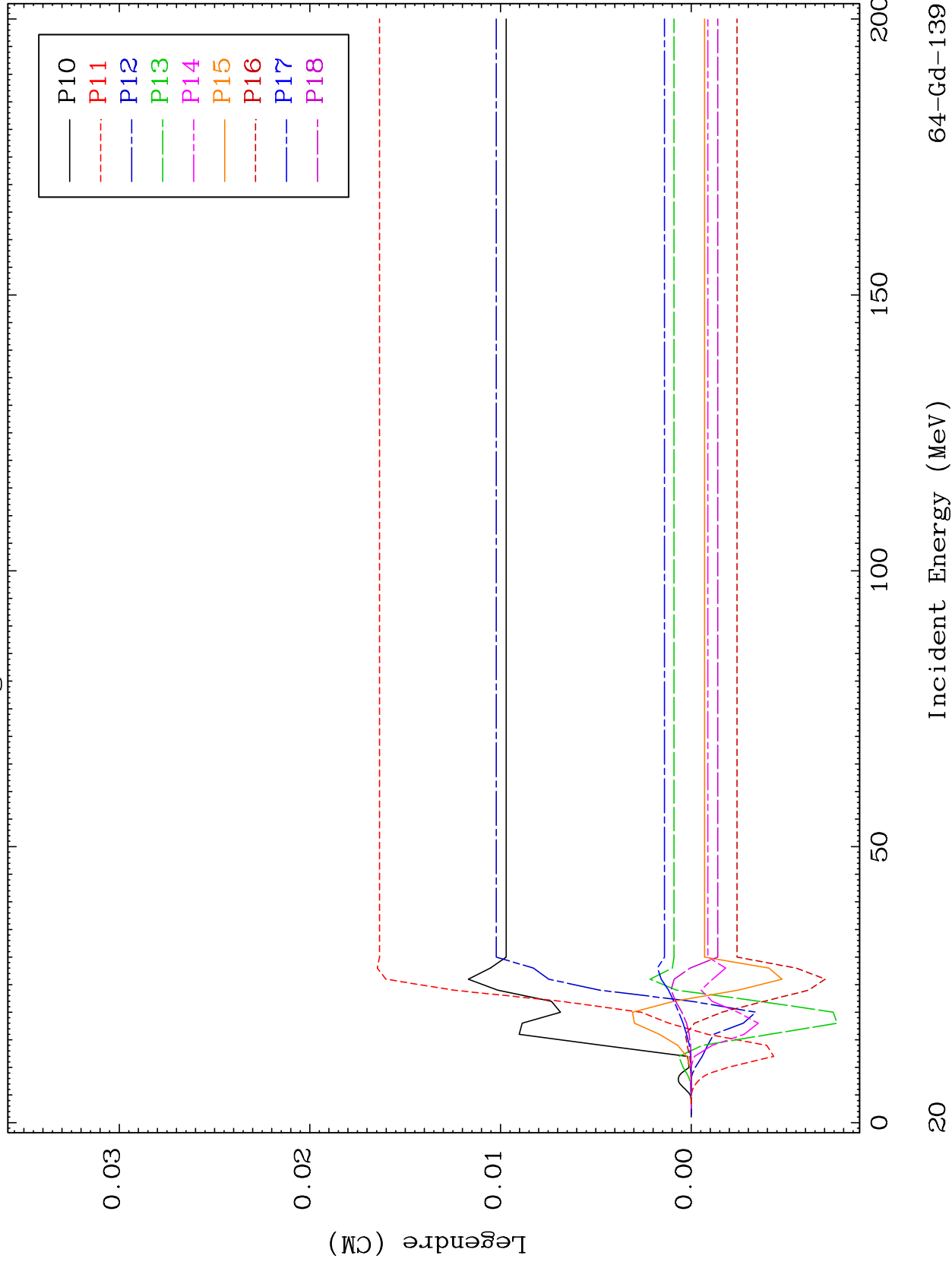
Incident Energy (MeV)

64-Gd-139

MAT 6386

211.9 keV (n,n') Level
Legendre Coefficients

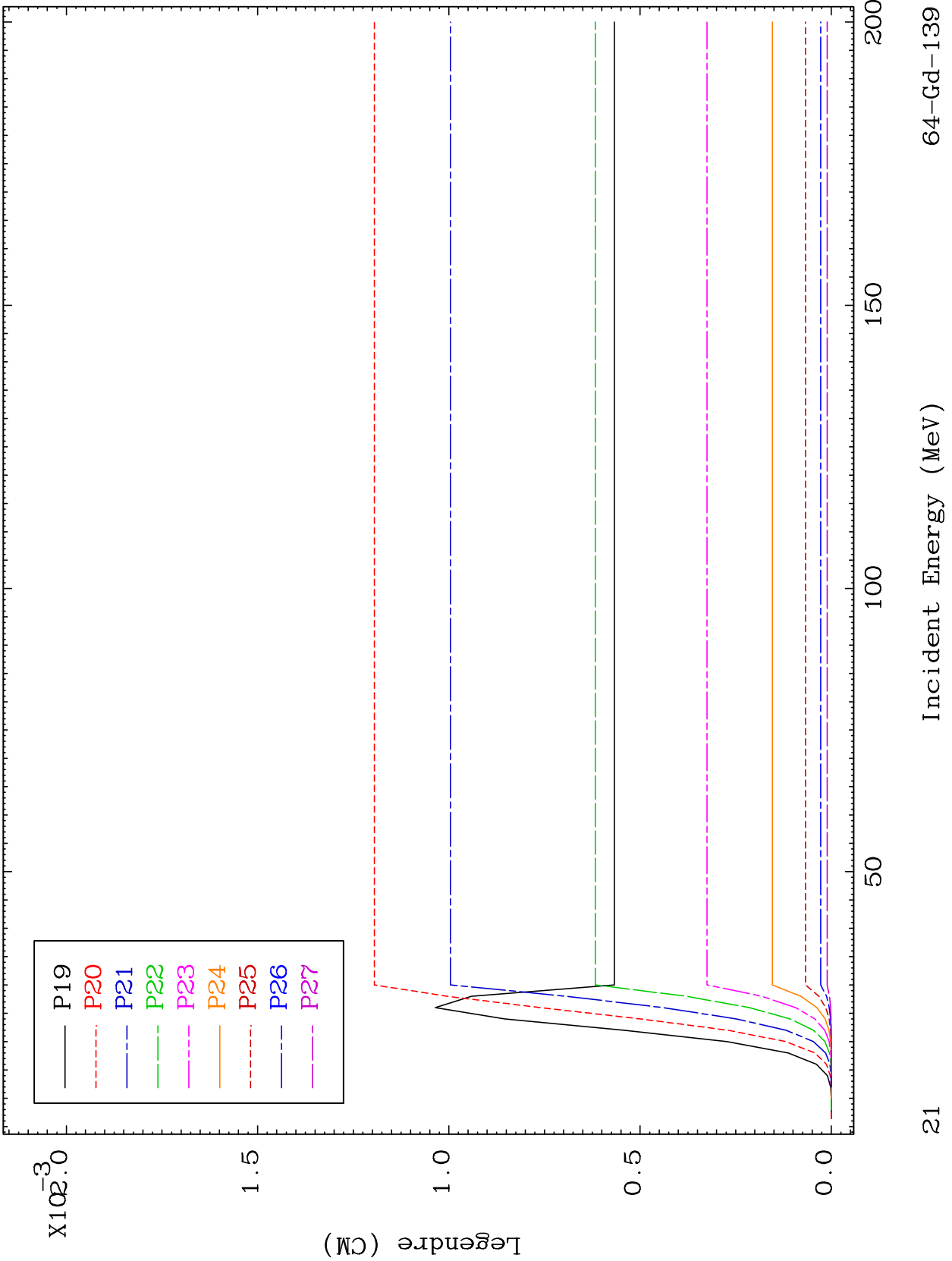
64-Gd-139



64-Gd-139

Incident Energy (MeV)

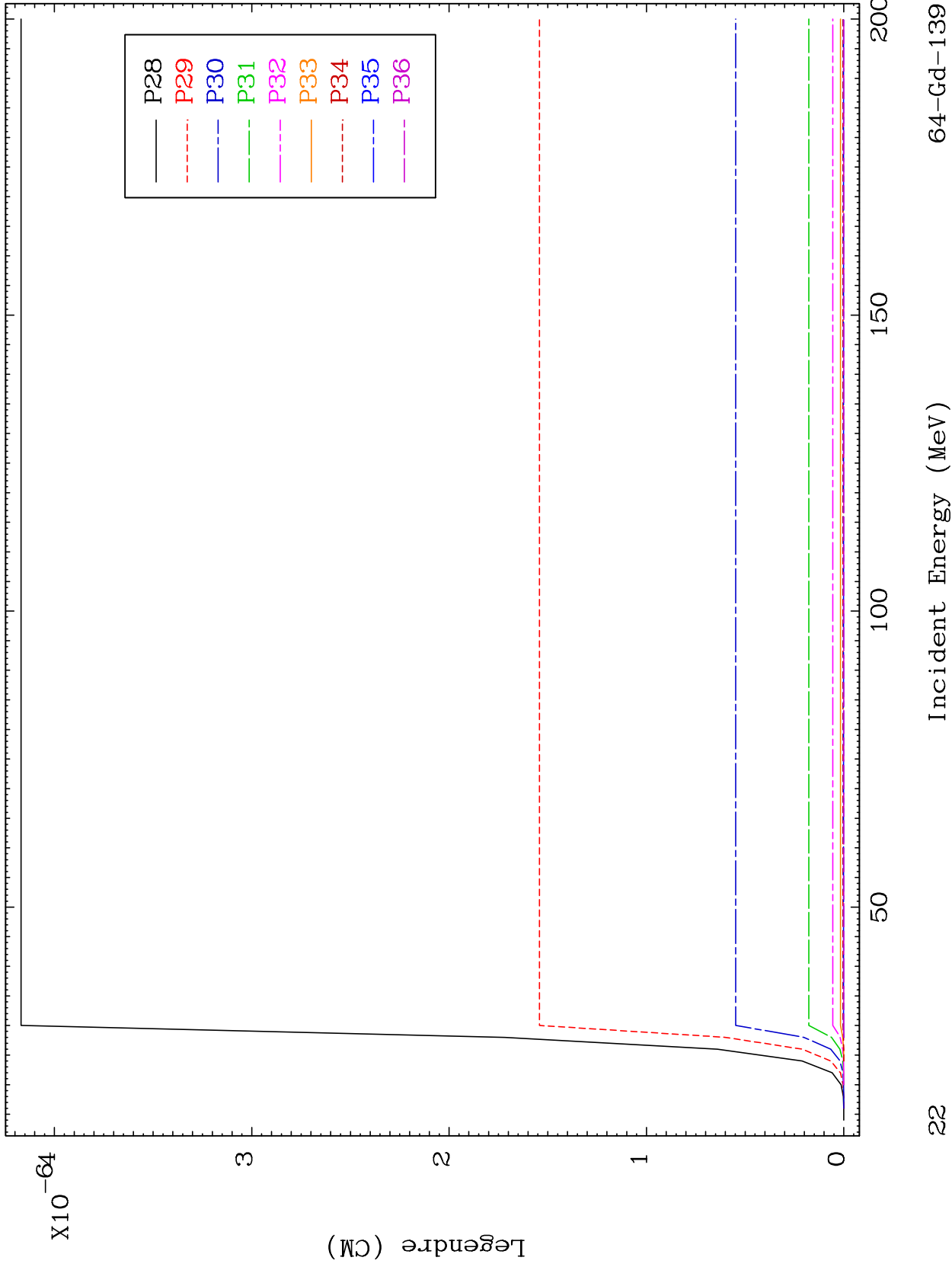
20



MAT 6386

211.9 keV (n,n') Level
Legendre Coefficients

64-Gd-139

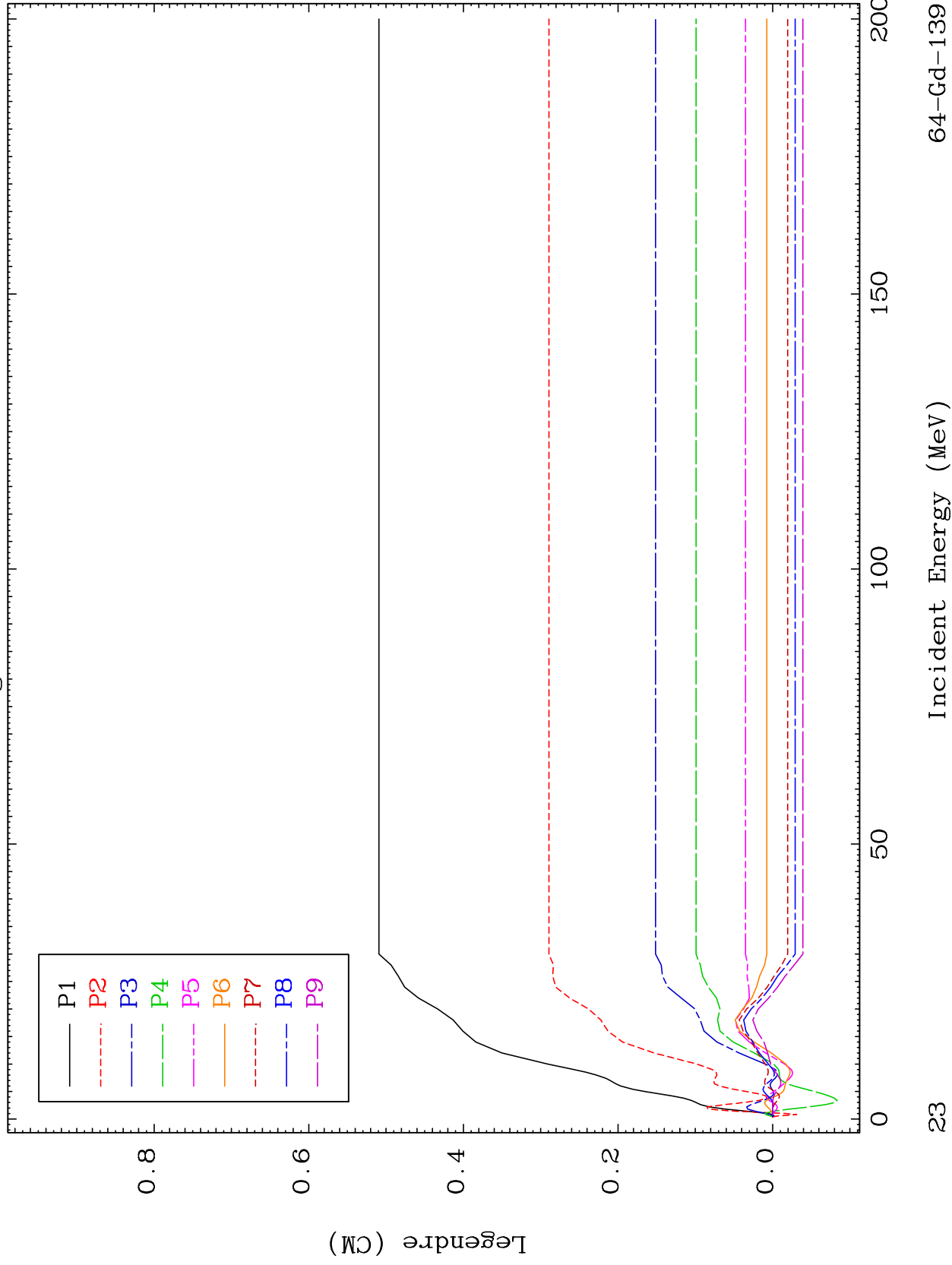


22

MAT 6386

350.0 keV (n,n') Level
Legendre Coefficients

64-Gd-139



64-Gd-139

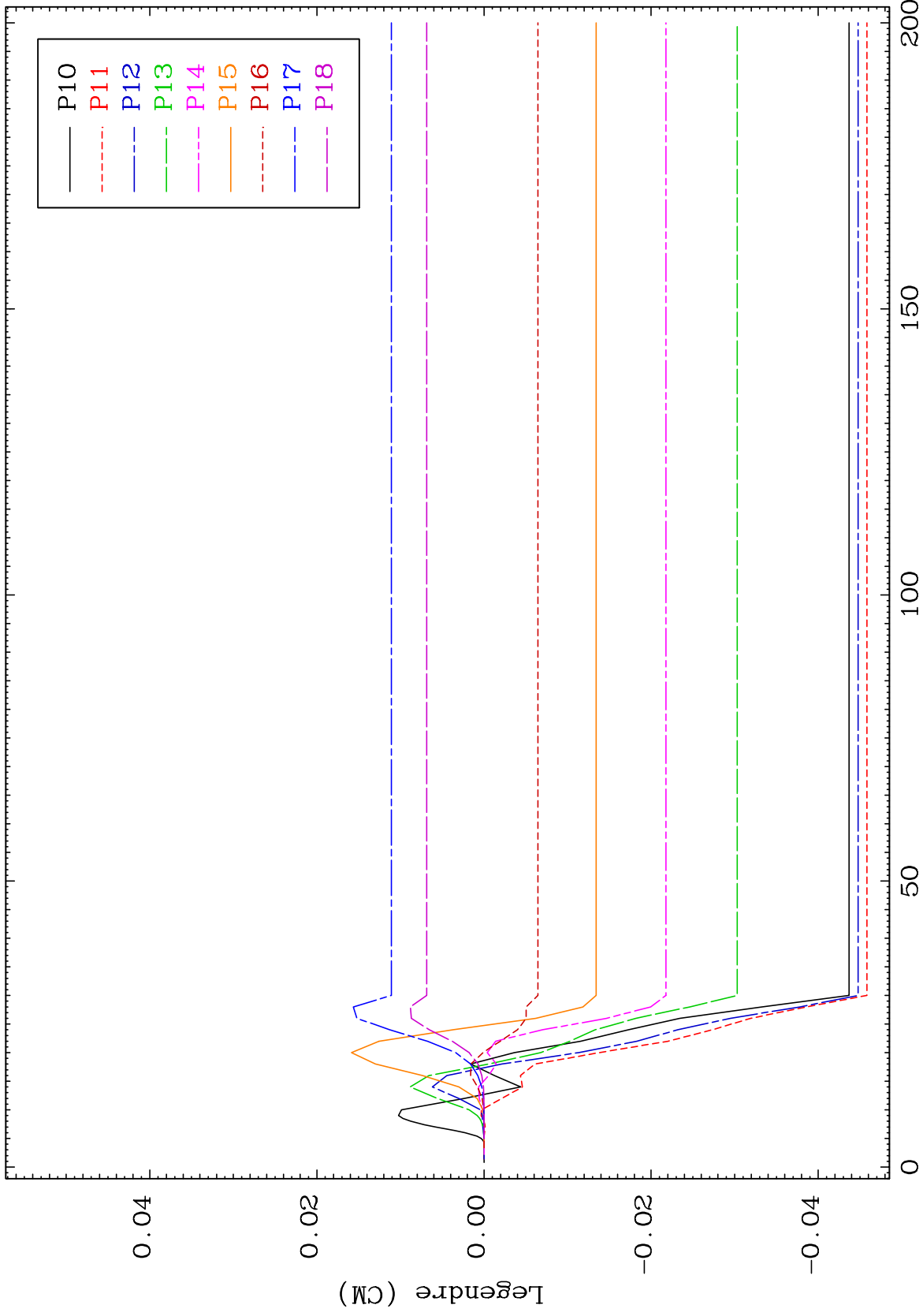
Incident Energy (MeV)

23

MAT 6386

350.0 keV (n,n') Level
Legendre Coefficients

64-Gd-139



24

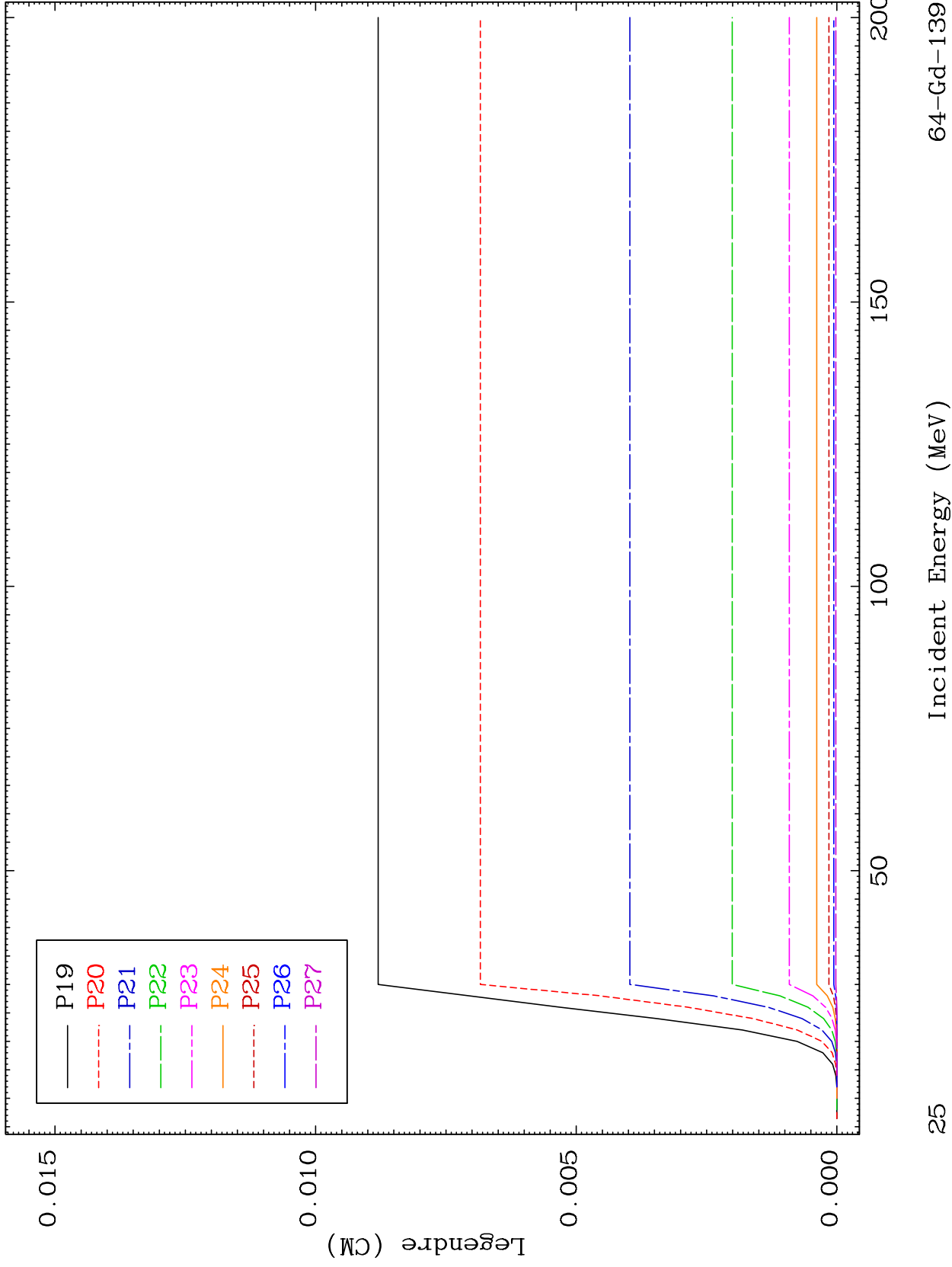
Incident Energy (MeV)

64-Gd-139

MAT 6386

350.0 keV (n,n') Level
Legendre Coefficients

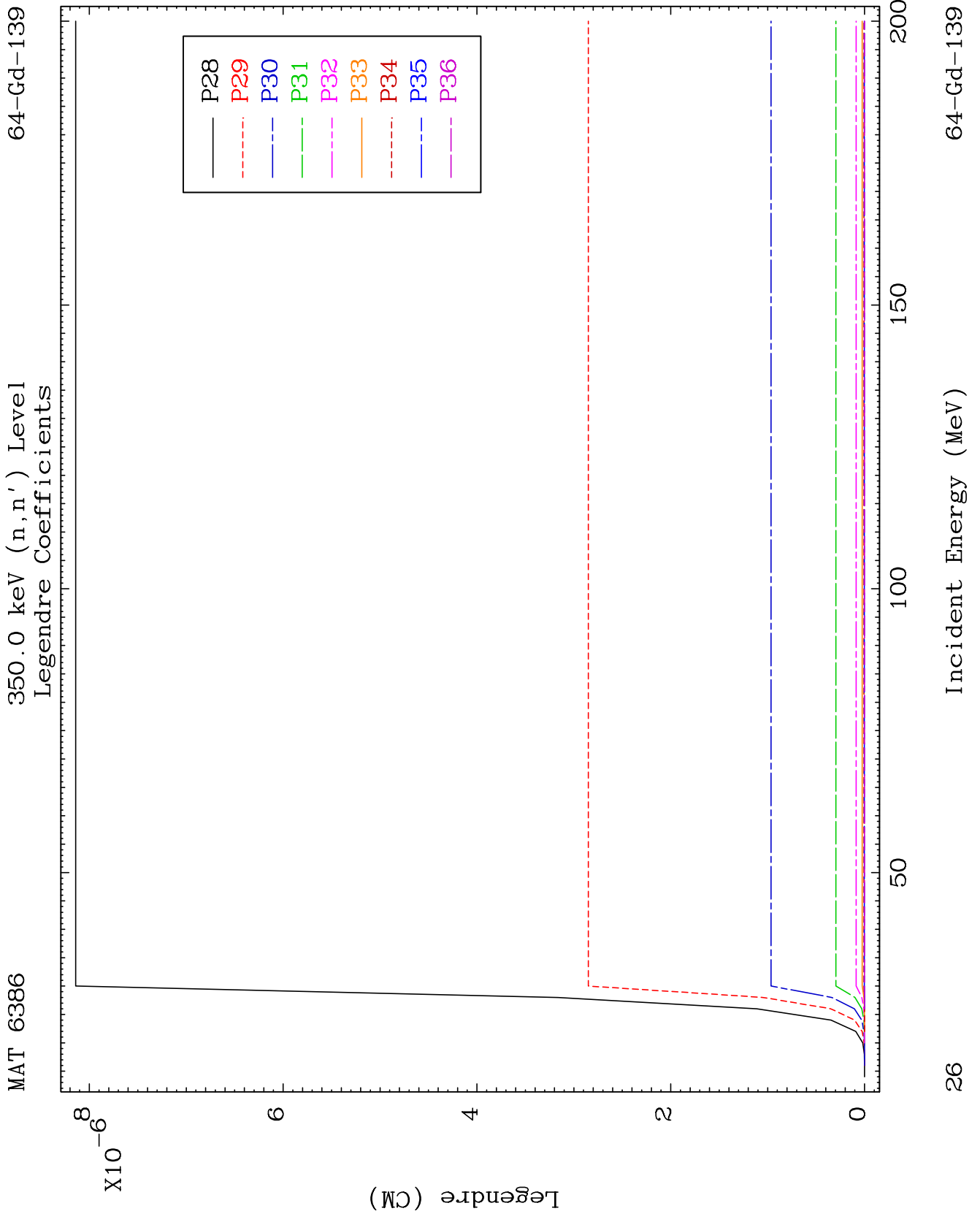
64-Gd-139



64-Gd-139

Incident Energy (MeV)

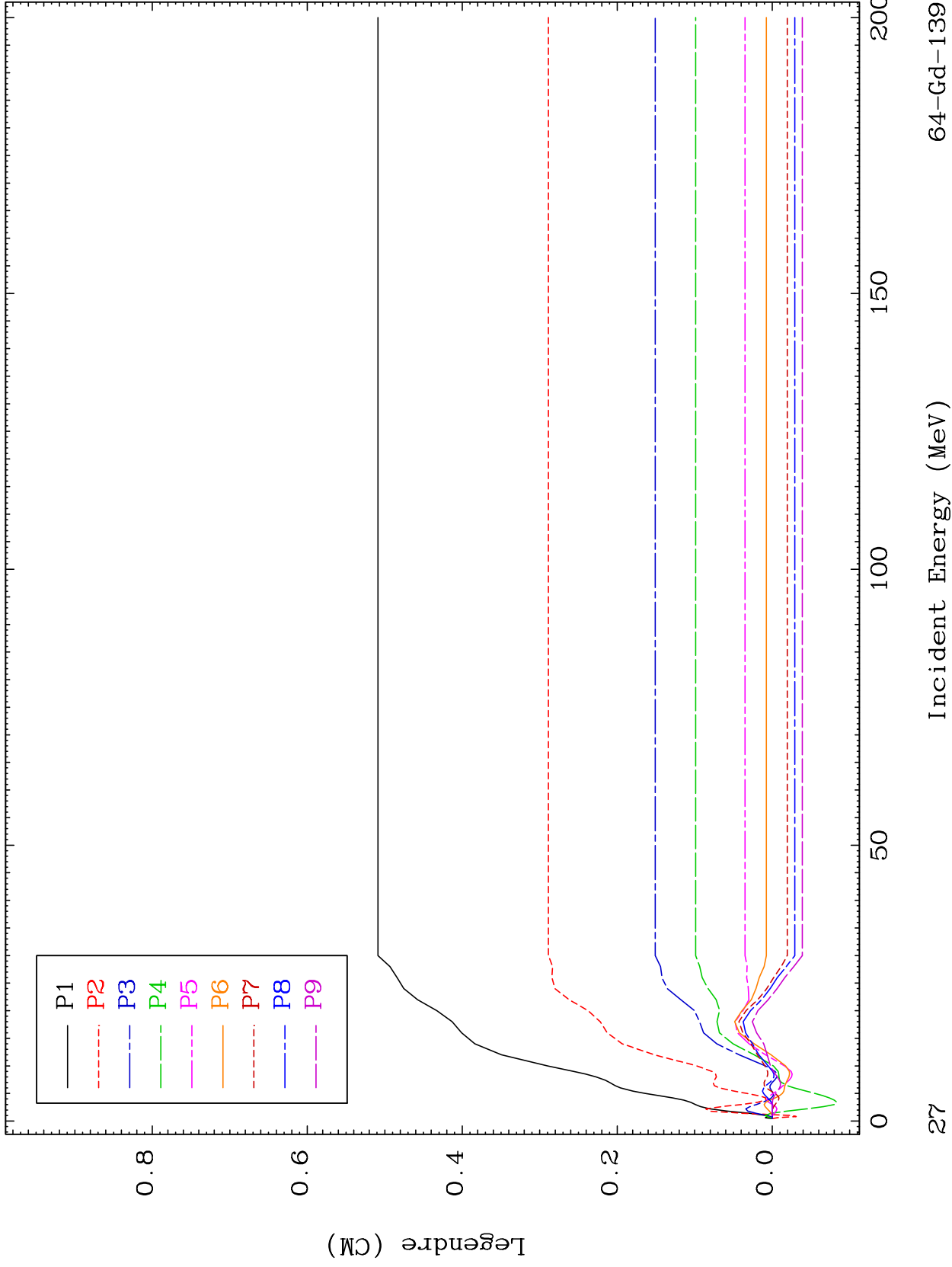
25



MAT 6386

427.0 keV (n,n') Level
Legendre Coefficients

64-Gd-139



64-Gd-139

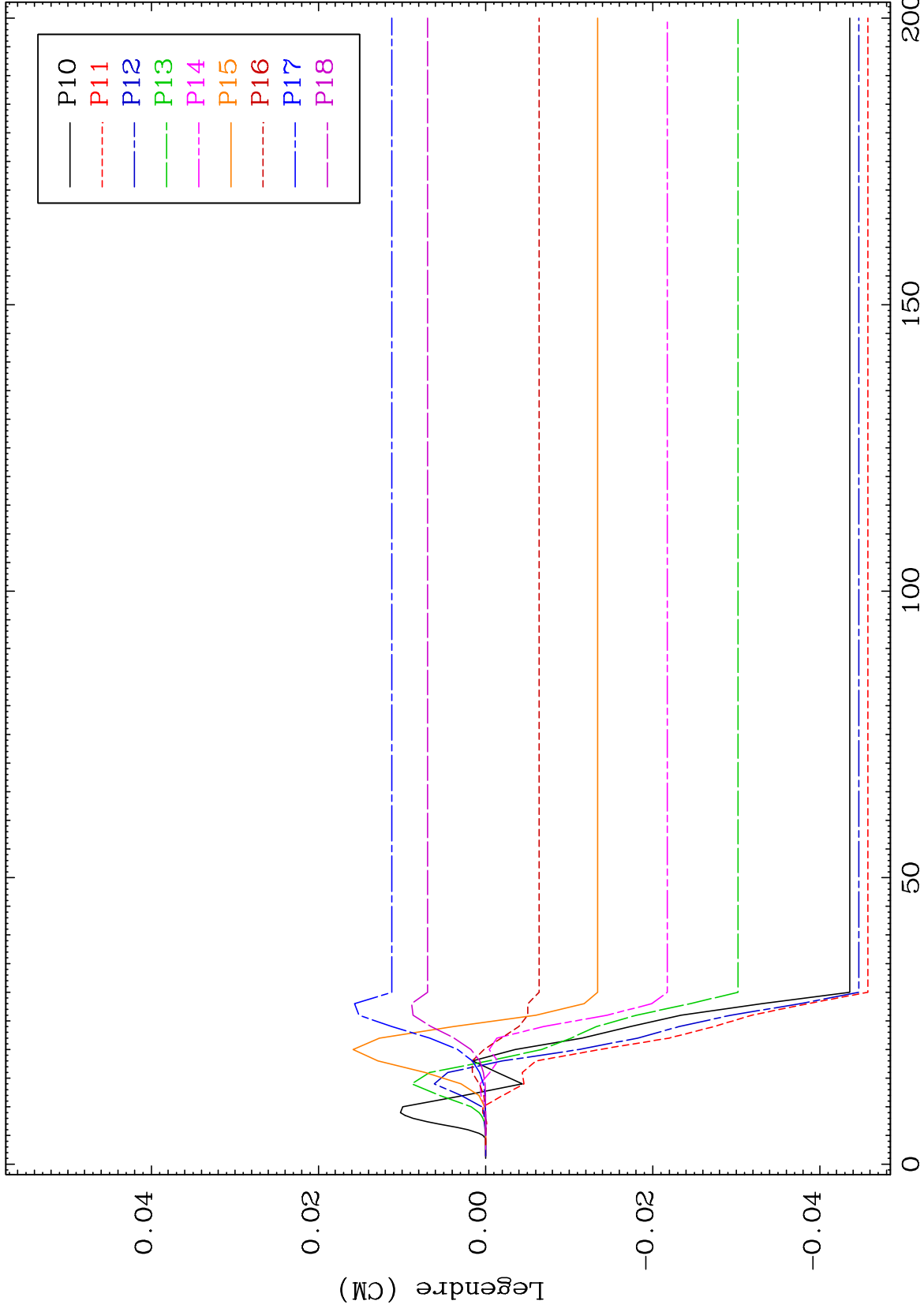
Incident Energy (MeV)

27

MAT 6386

427.0 keV (n,n') Level
Legendre Coefficients

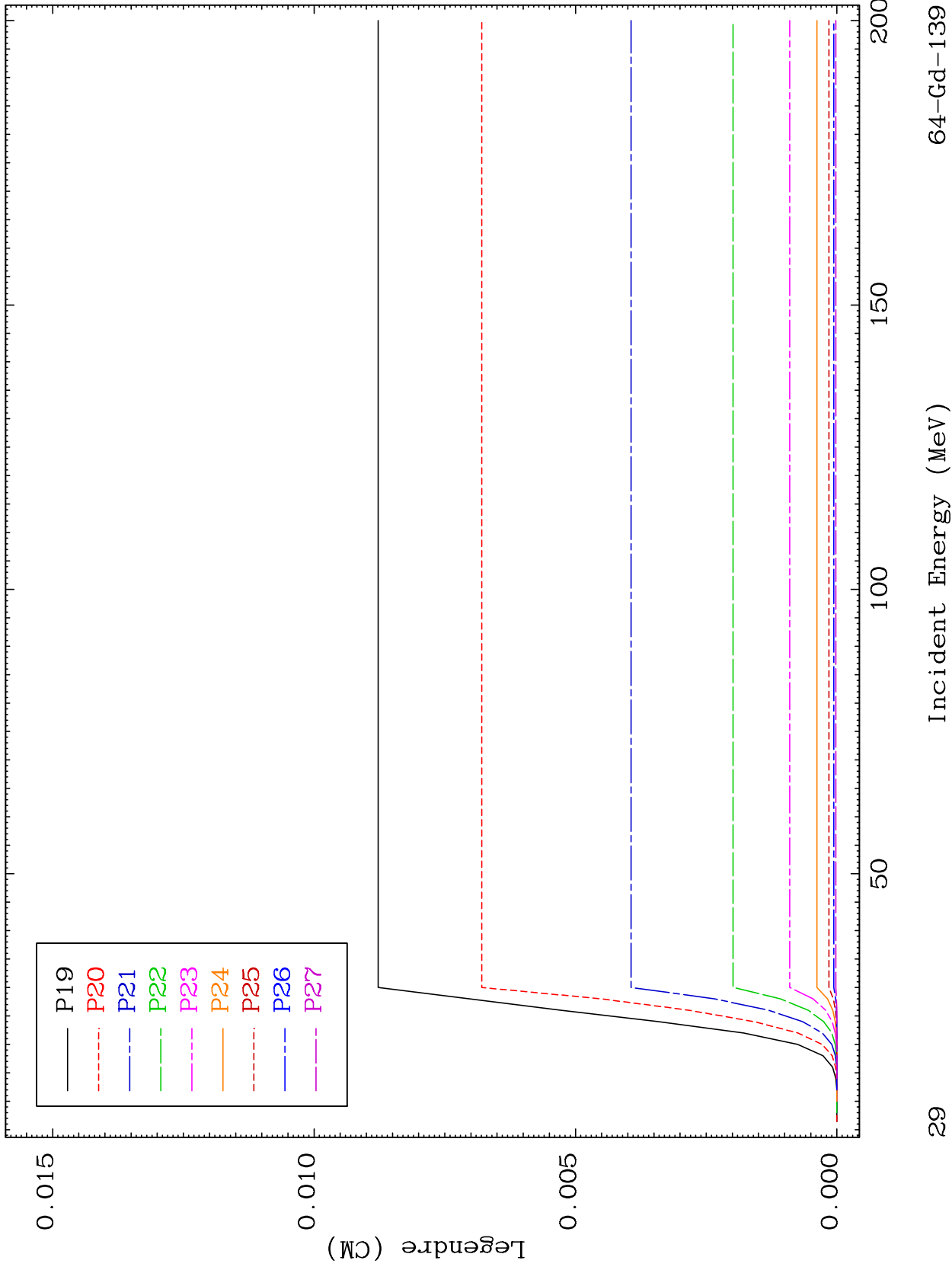
64-Gd-139



28

Incident Energy (MeV)

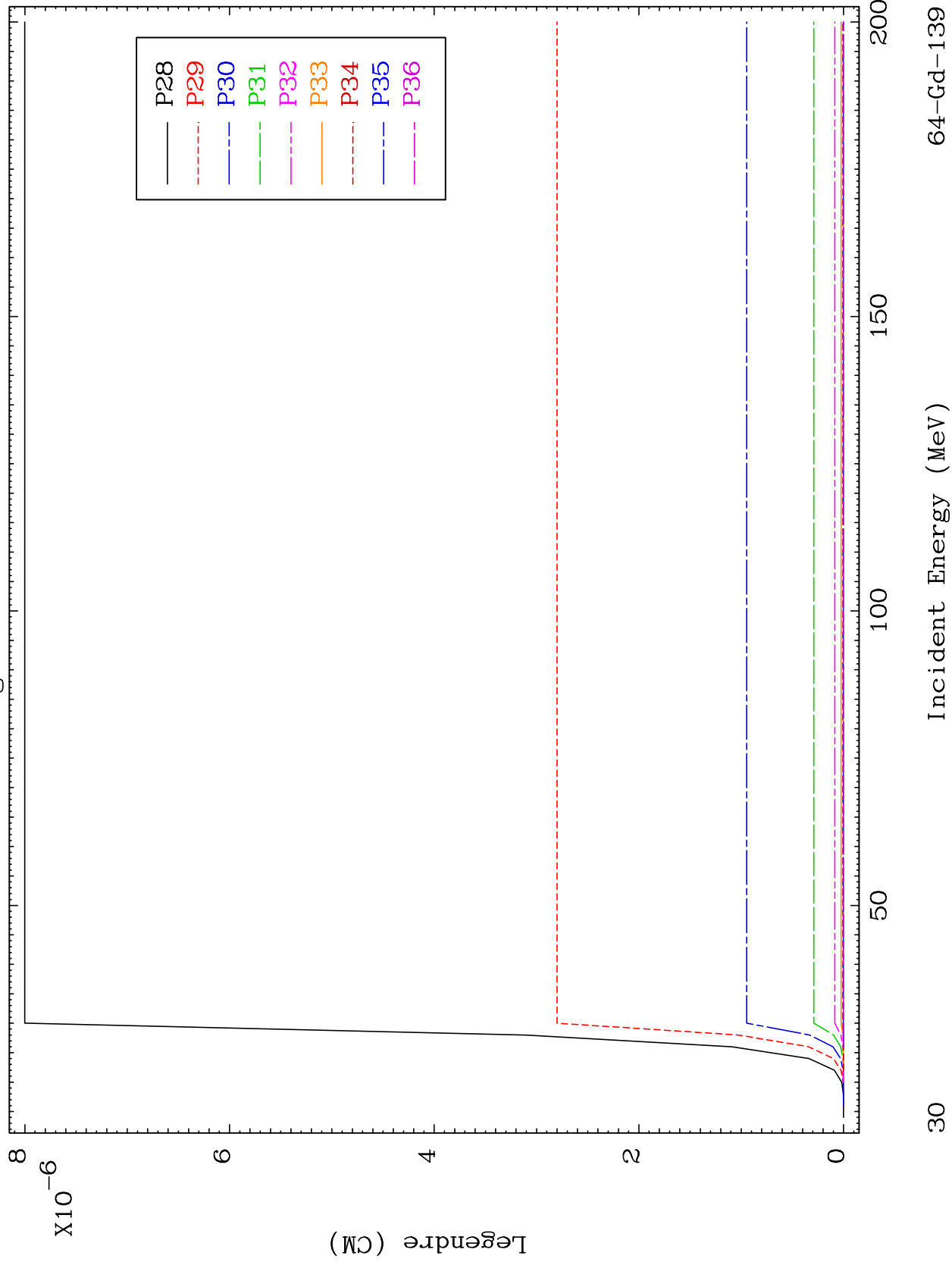
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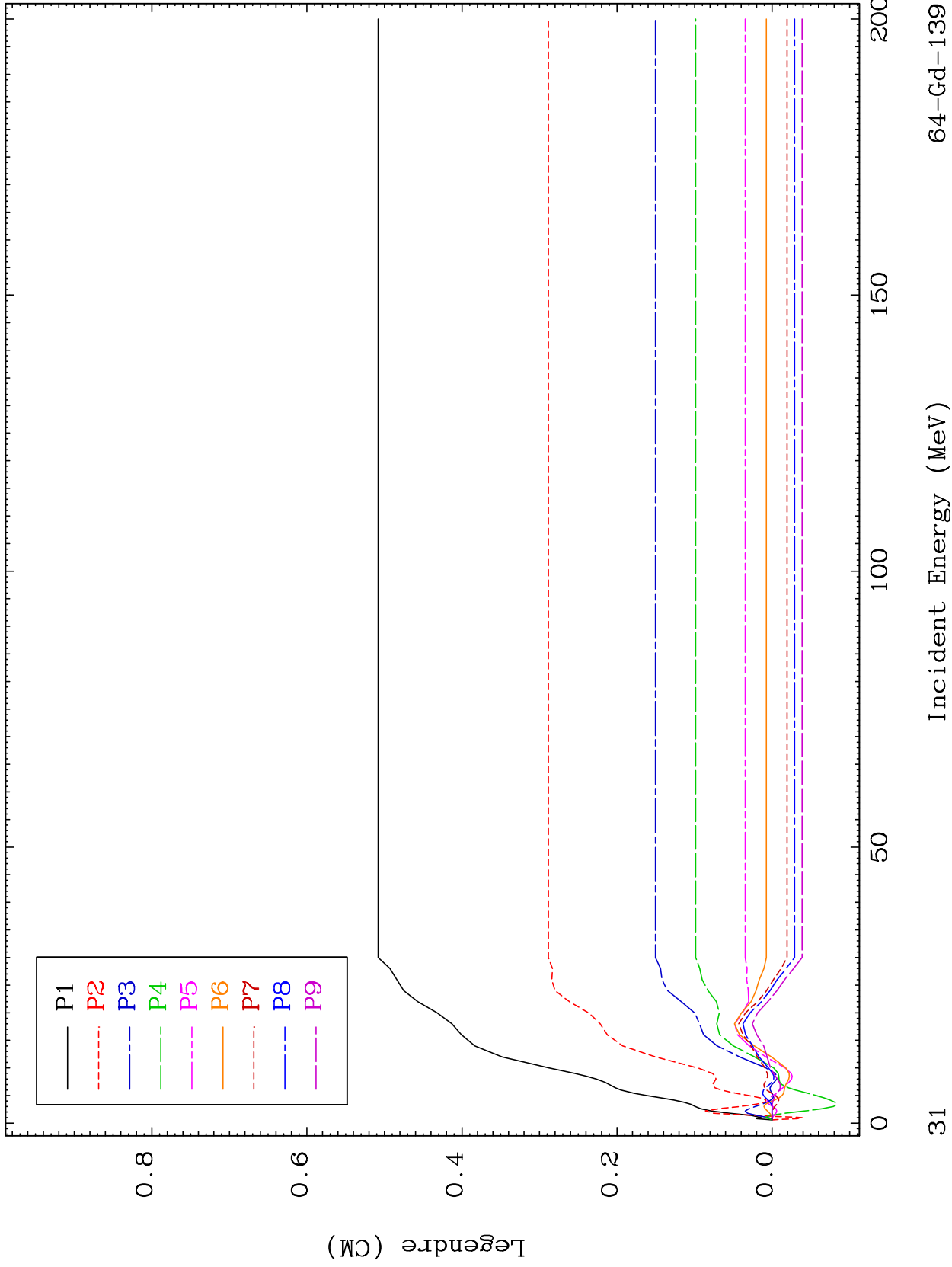


MAT 6386

427.0 keV (n,n') Level
Legendre Coefficients

64-Gd-139

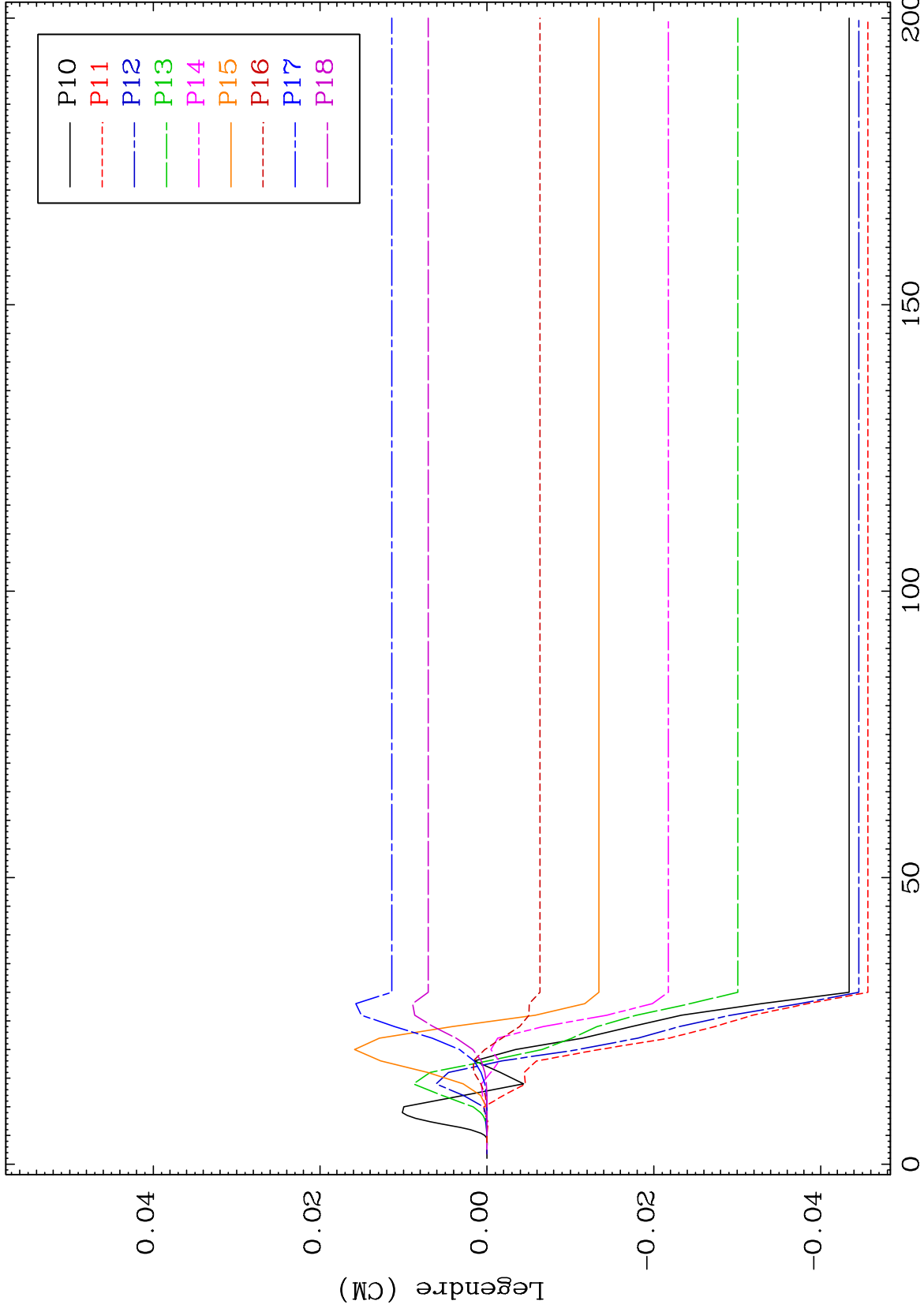




MAT 6386

530.0 keV (n,n') Level
Legendre Coefficients

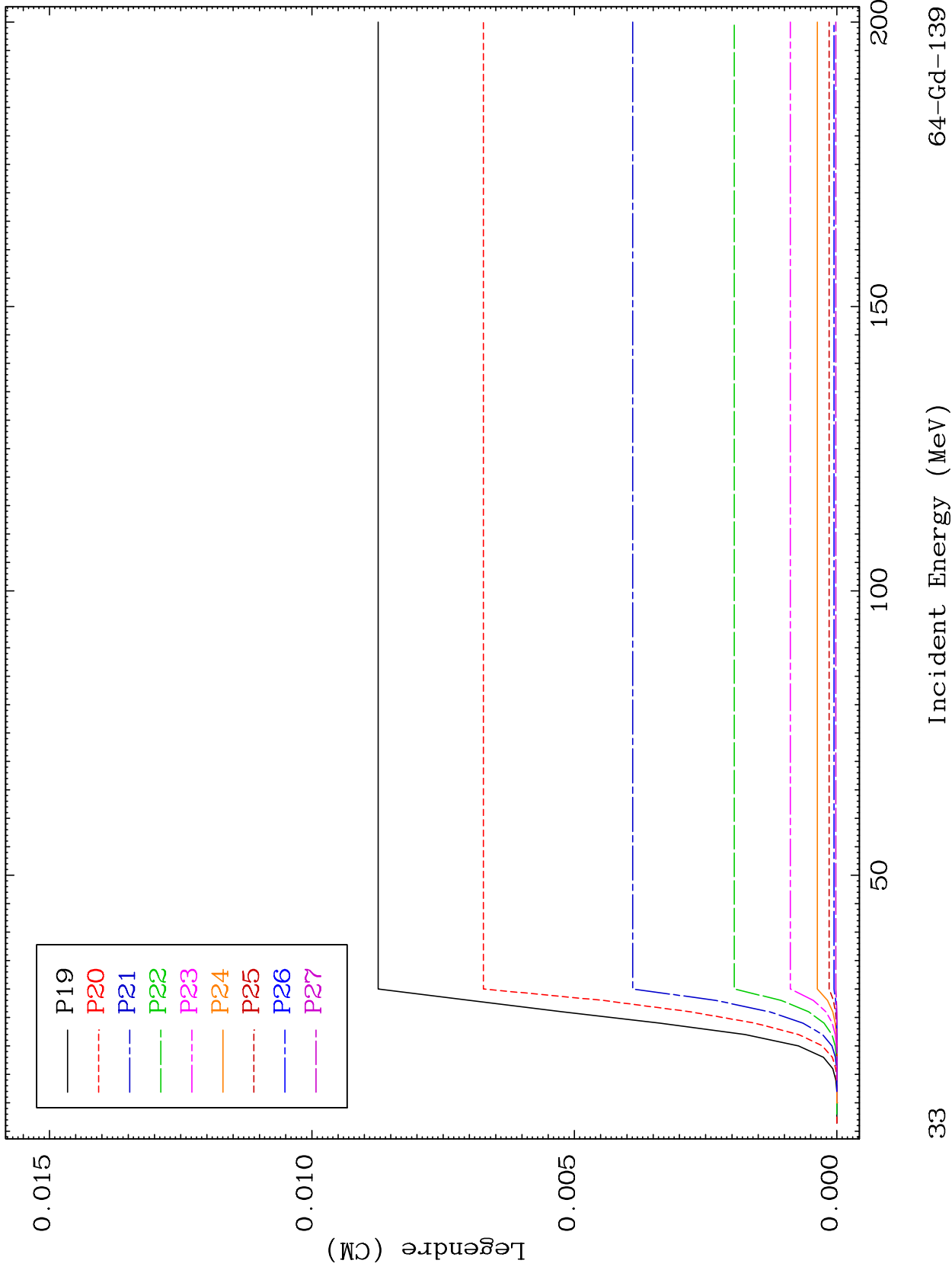
64-Gd-139



32

Incident Energy (MeV)

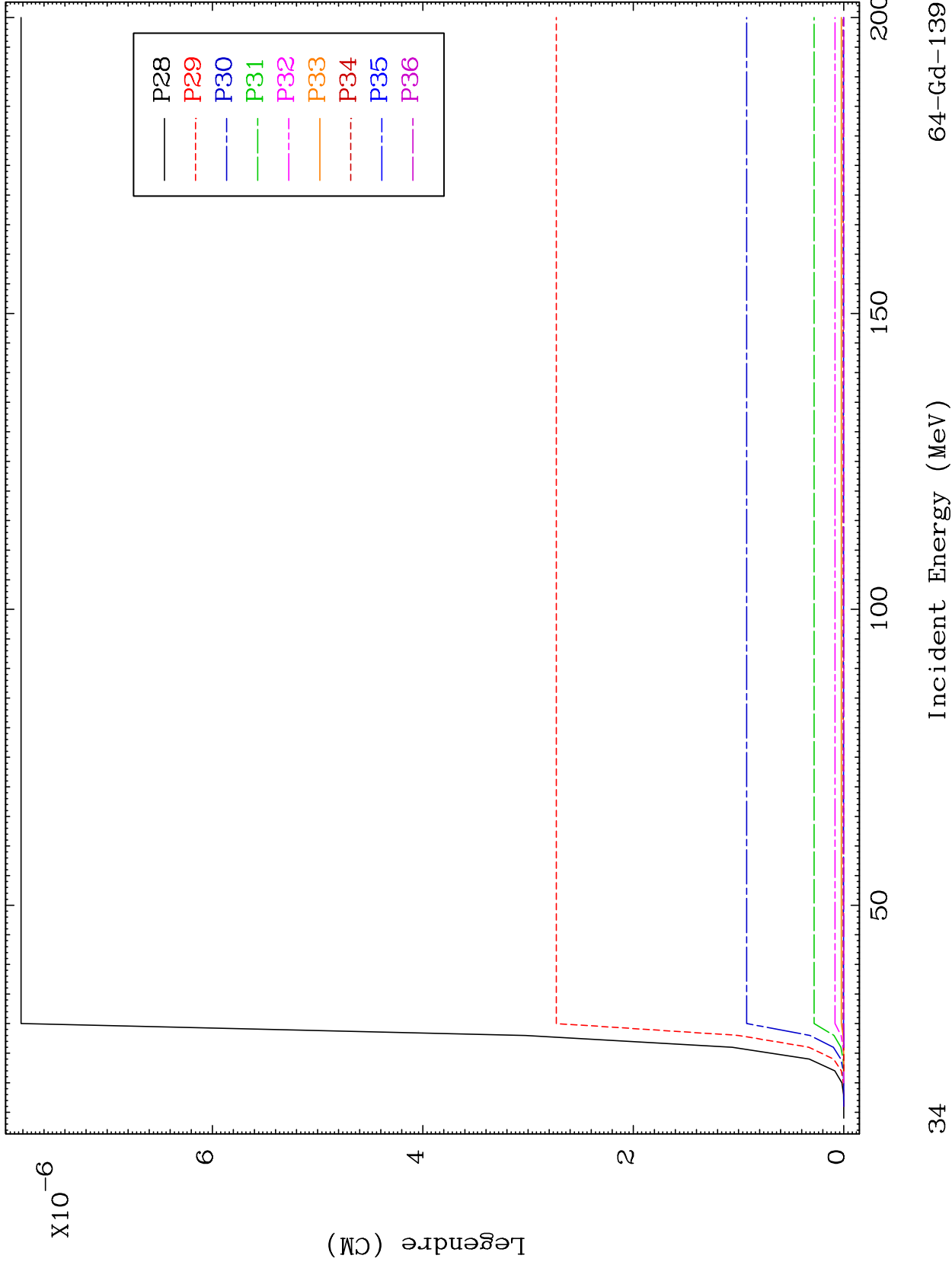
64-Gd-139



MAT 6386

530.0 keV (n,n') Level
Legendre Coefficients

64-Gd-139

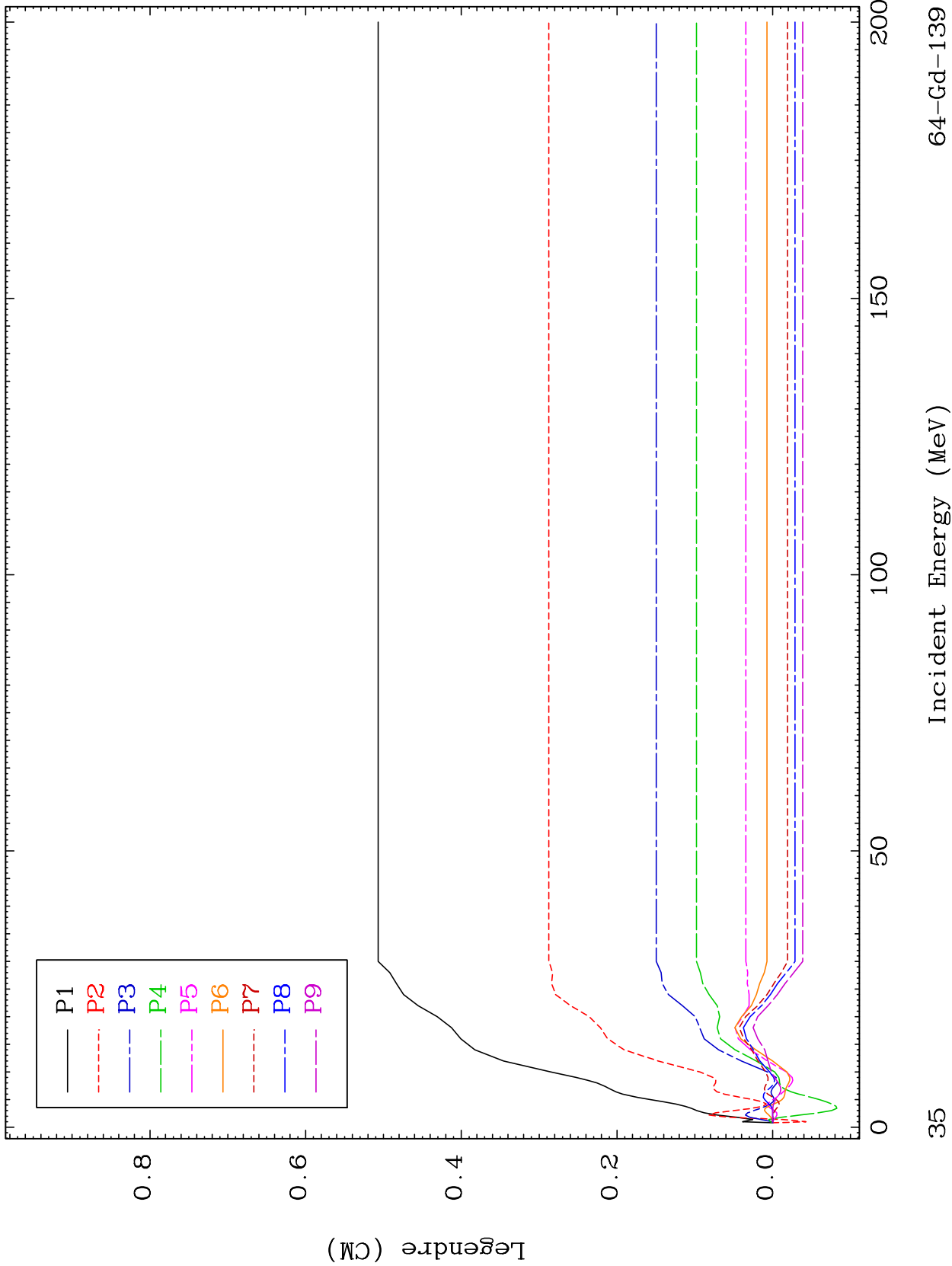


34

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753.0 keV (n,n') Level
Legendre Coefficients

64-Gd-139



64-Gd-139

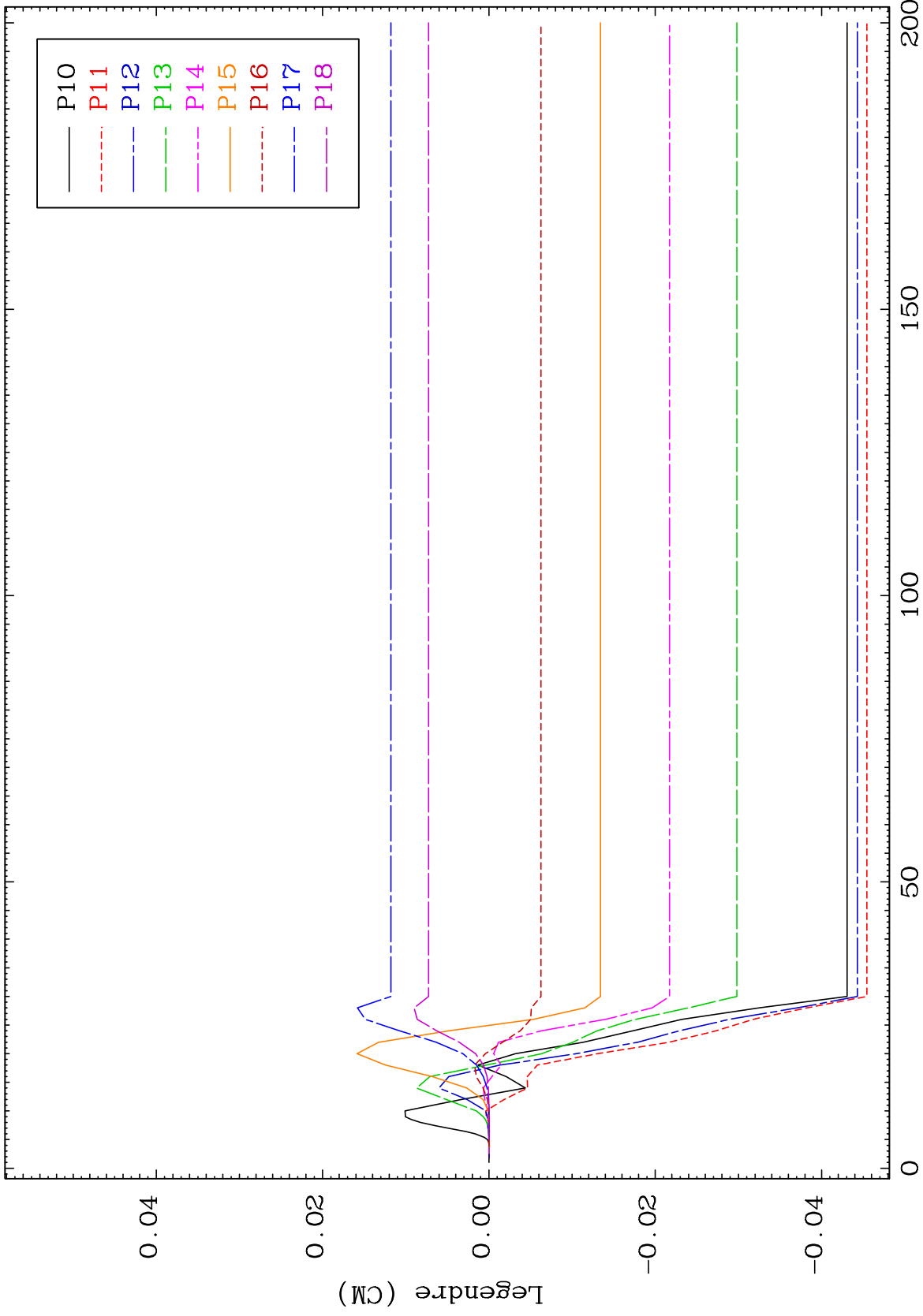
Incident Energy (MeV)

35

MAT 6386

753.0 keV (n,n') Level
Legendre Coefficients

64-Gd-139



36

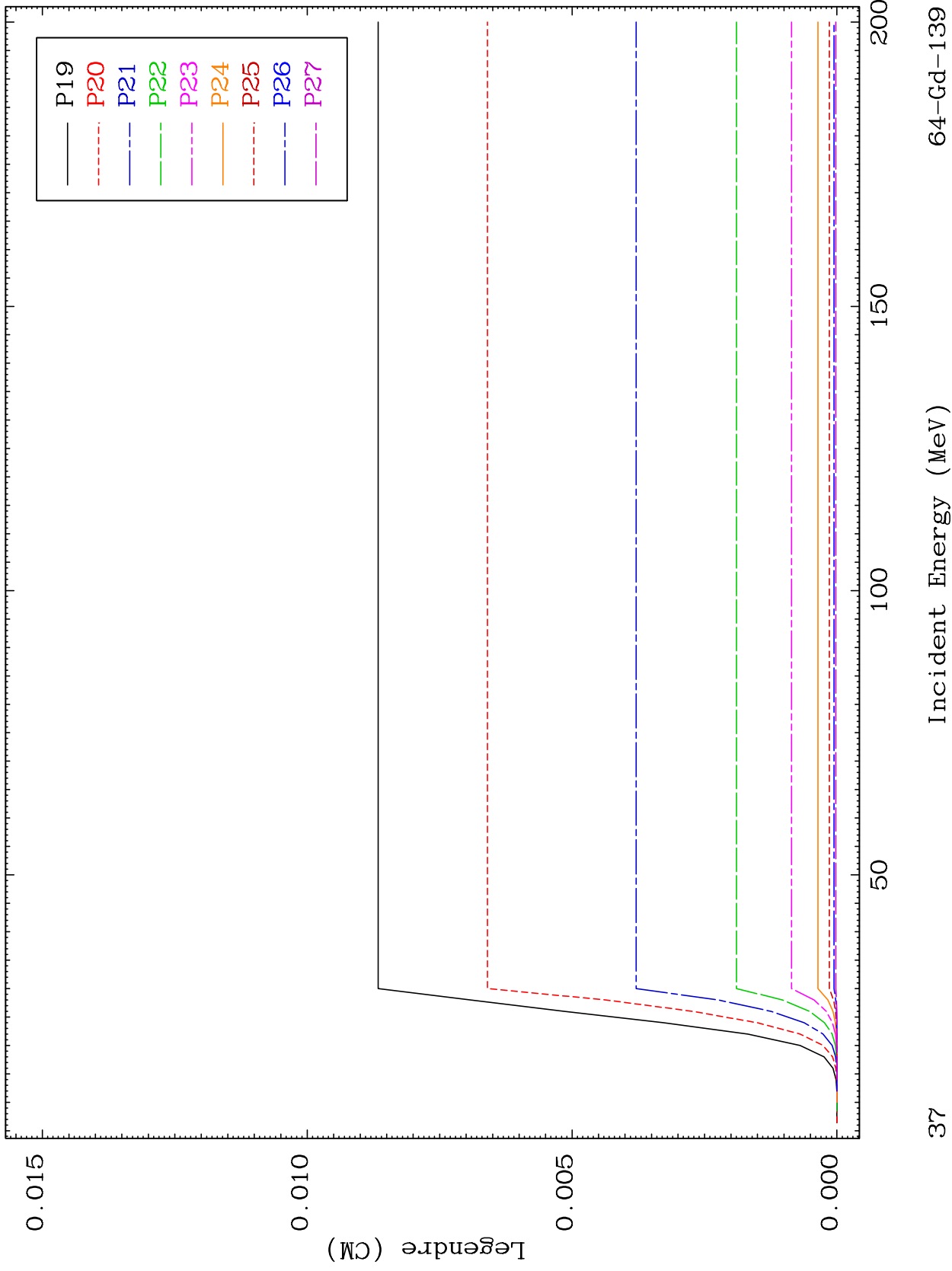
Incident Energy (MeV)

64-Gd-139

MAT 6386

753.0 keV (n,n') Level
Legendre Coefficients

64-Gd-139



37

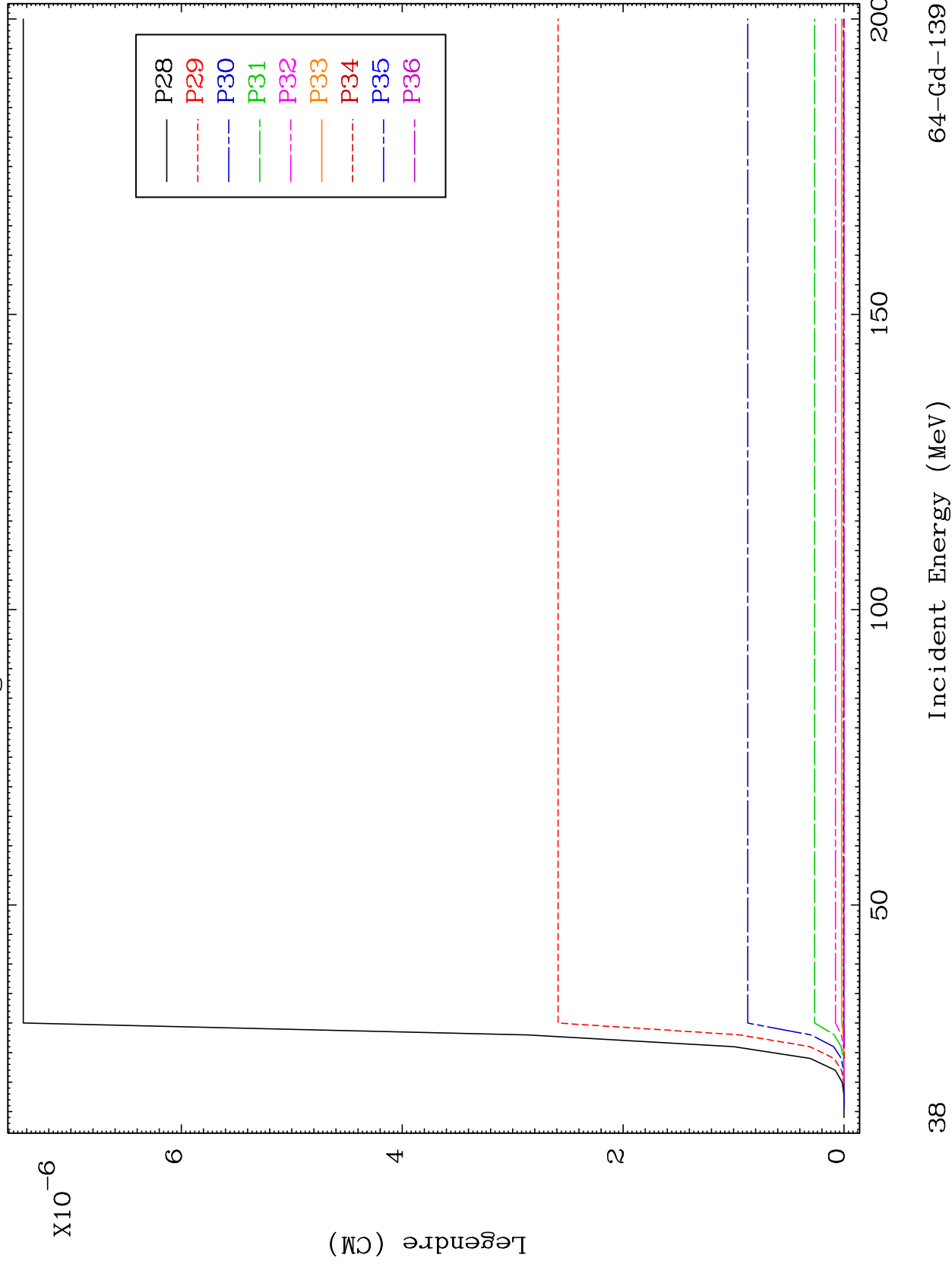
Incident Energy (MeV)

64-Gd-139

MAT 6386

753.0 keV (n,n') Level
Legendre Coefficients

64-Gd-139



38

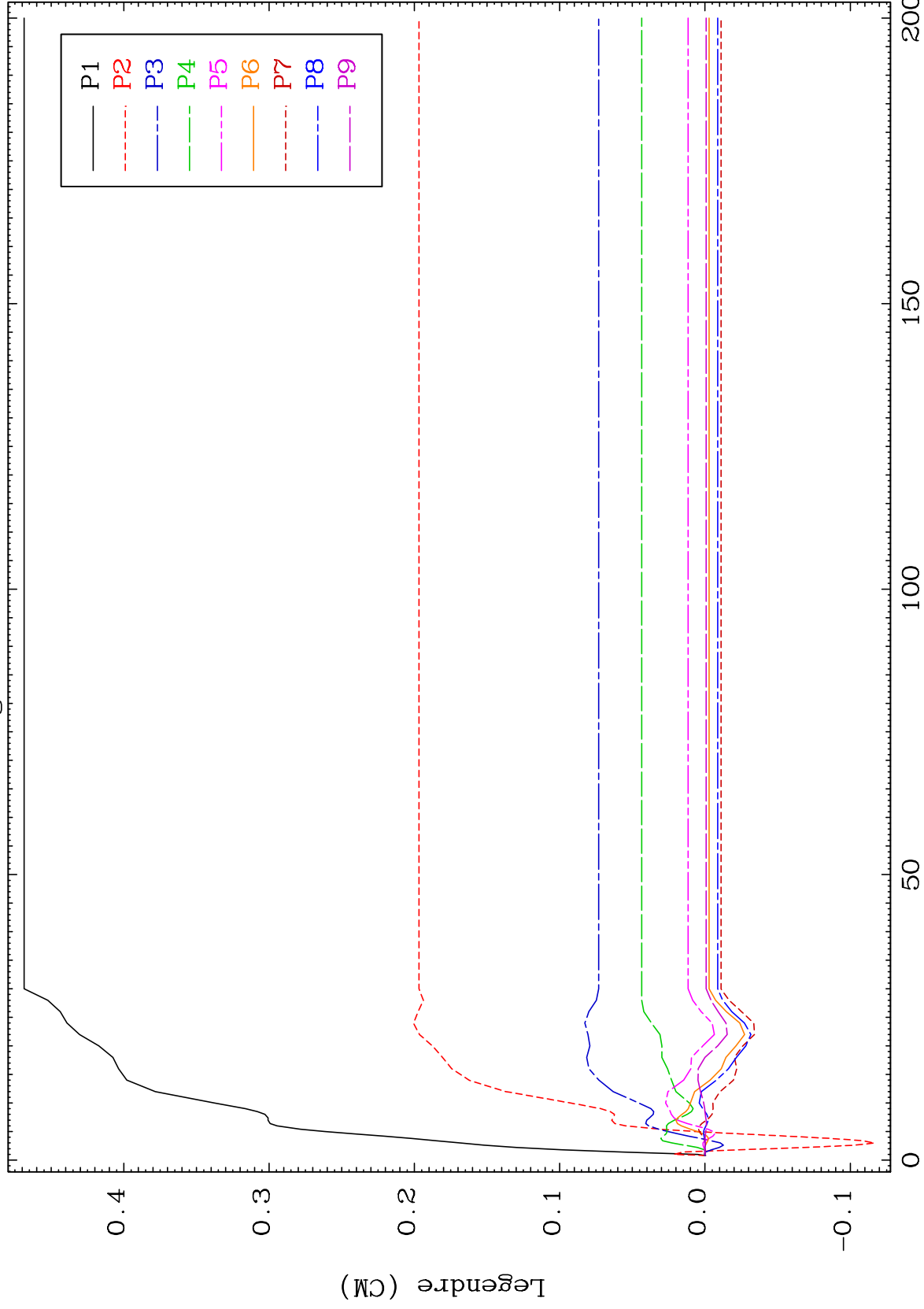
Incident Energy (MeV)

64-Gd-139

MAT 6386

755.2 keV (n,n') Level
Legendre Coefficients

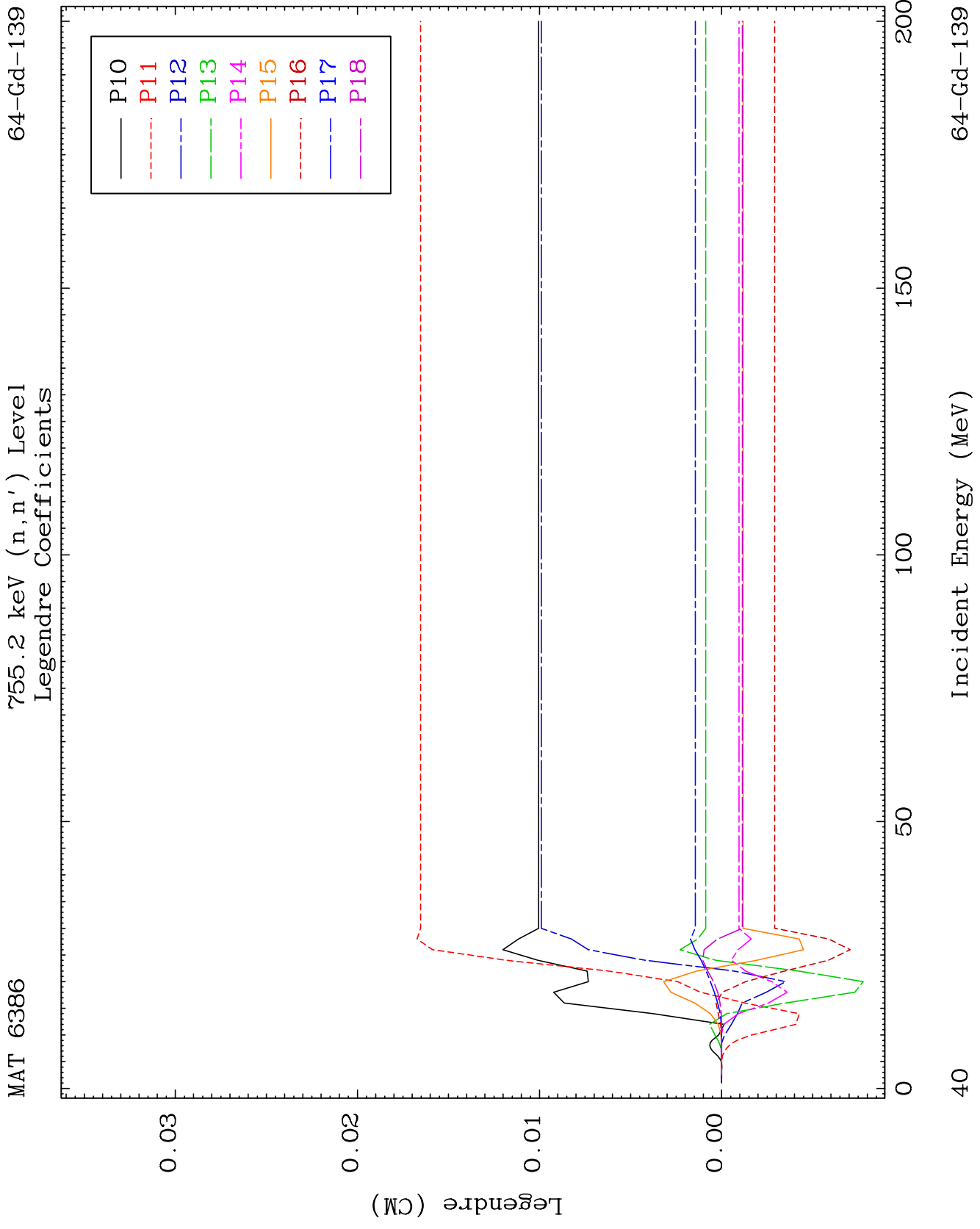
64-Gd-139



64-Gd-139

Incident Energy (MeV)

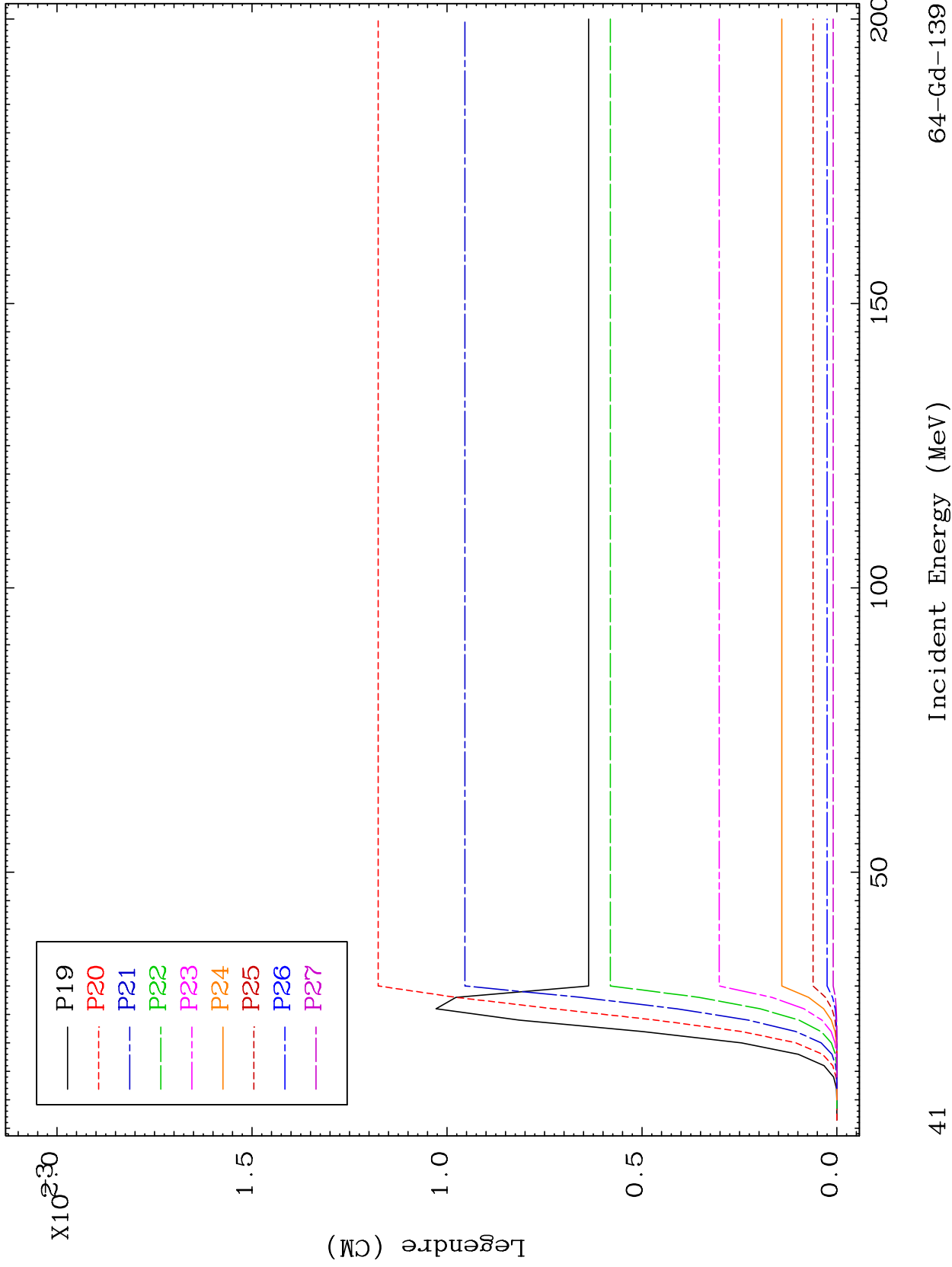
39



MAT 6386

755.2 keV (n, n') Level
Legendre Coefficients

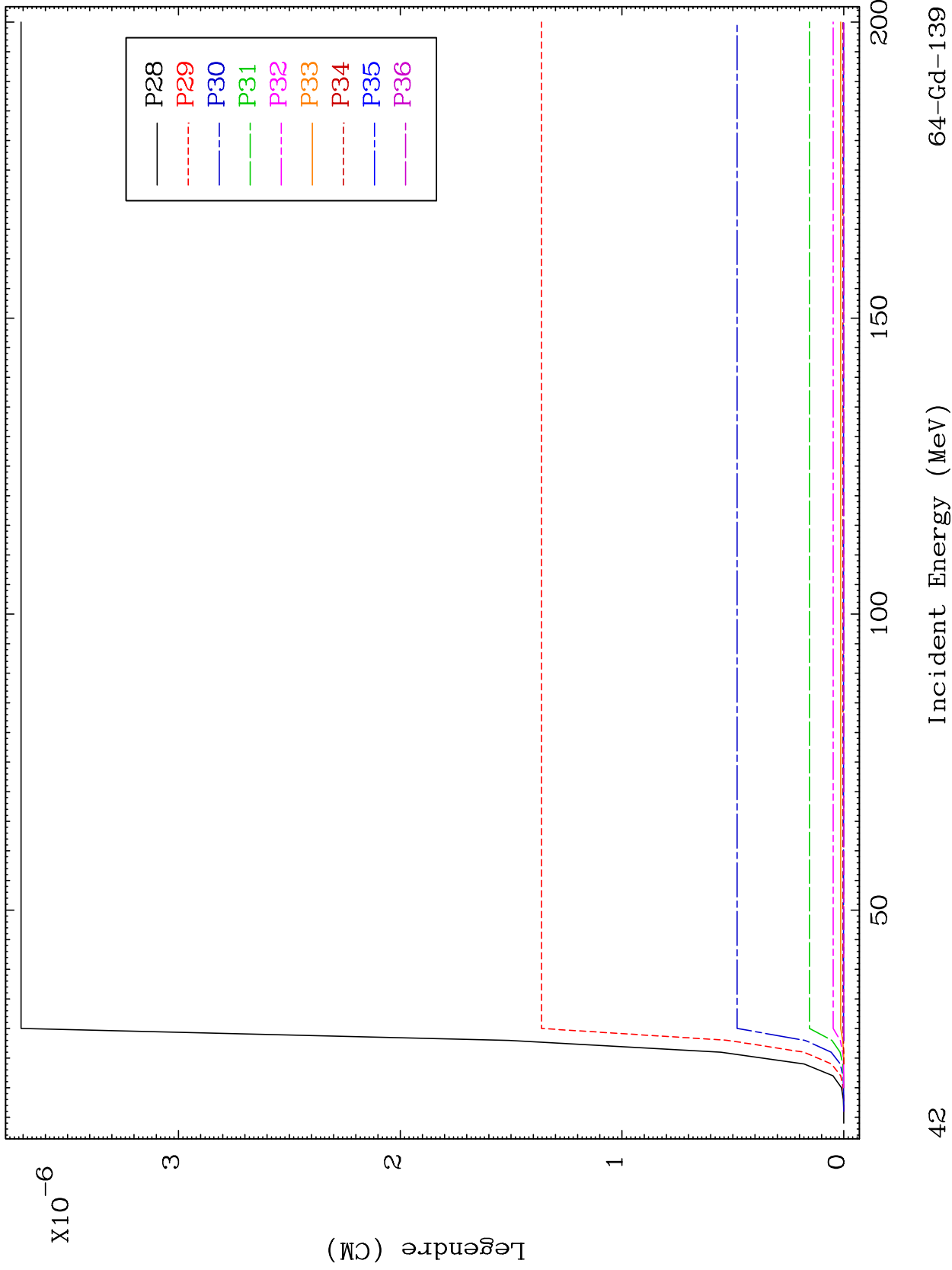
64-Gd-139



MAT 6386

755.2 keV (n,n') Level
Legendre Coefficients

64-Gd-139



42

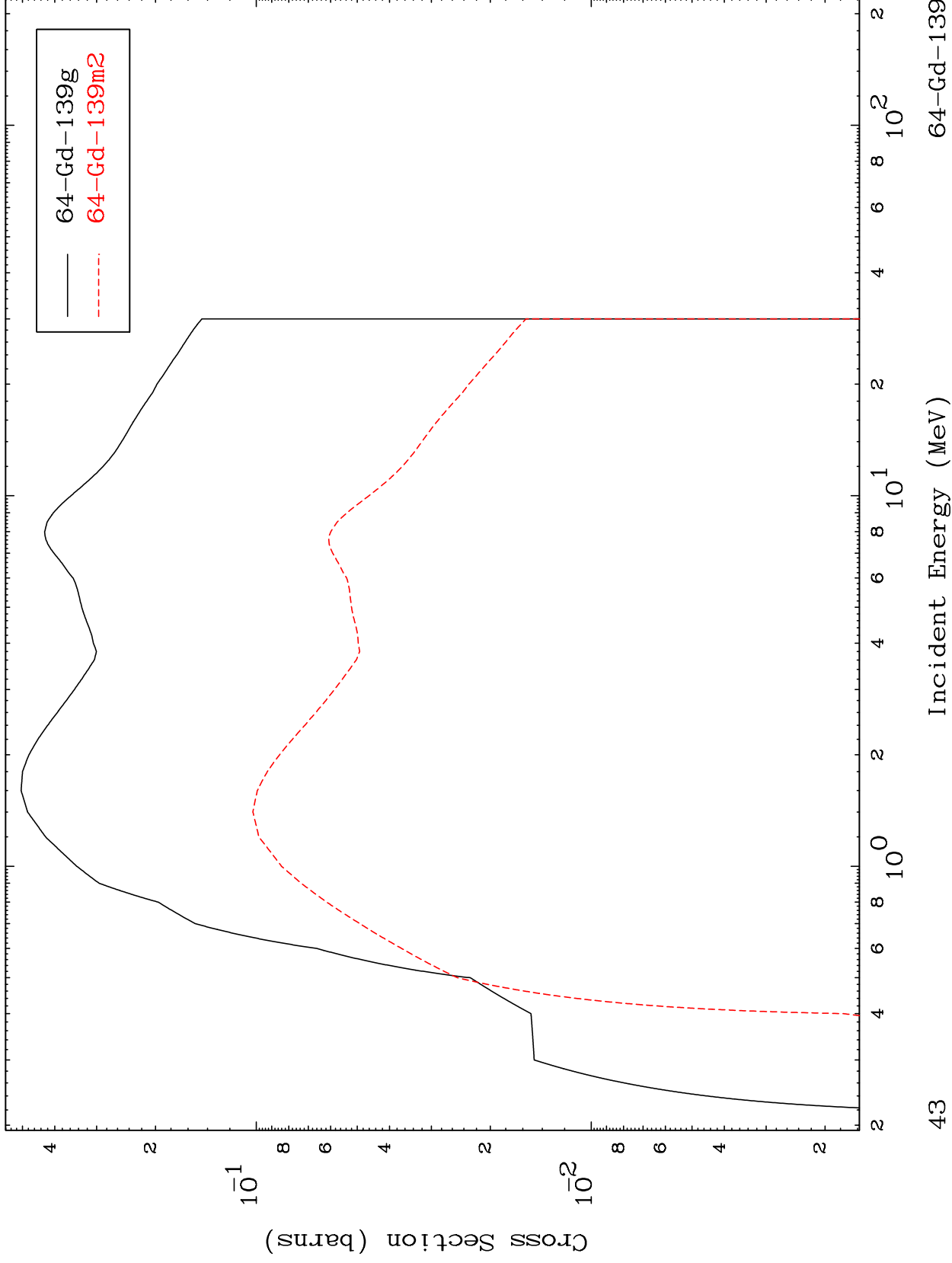
Incident Energy (MeV)

64-Gd-139

MAT 6386

Inelastic
Radionuclide Production Cross Section

64-Gd-139



43

Incident Energy (MeV)

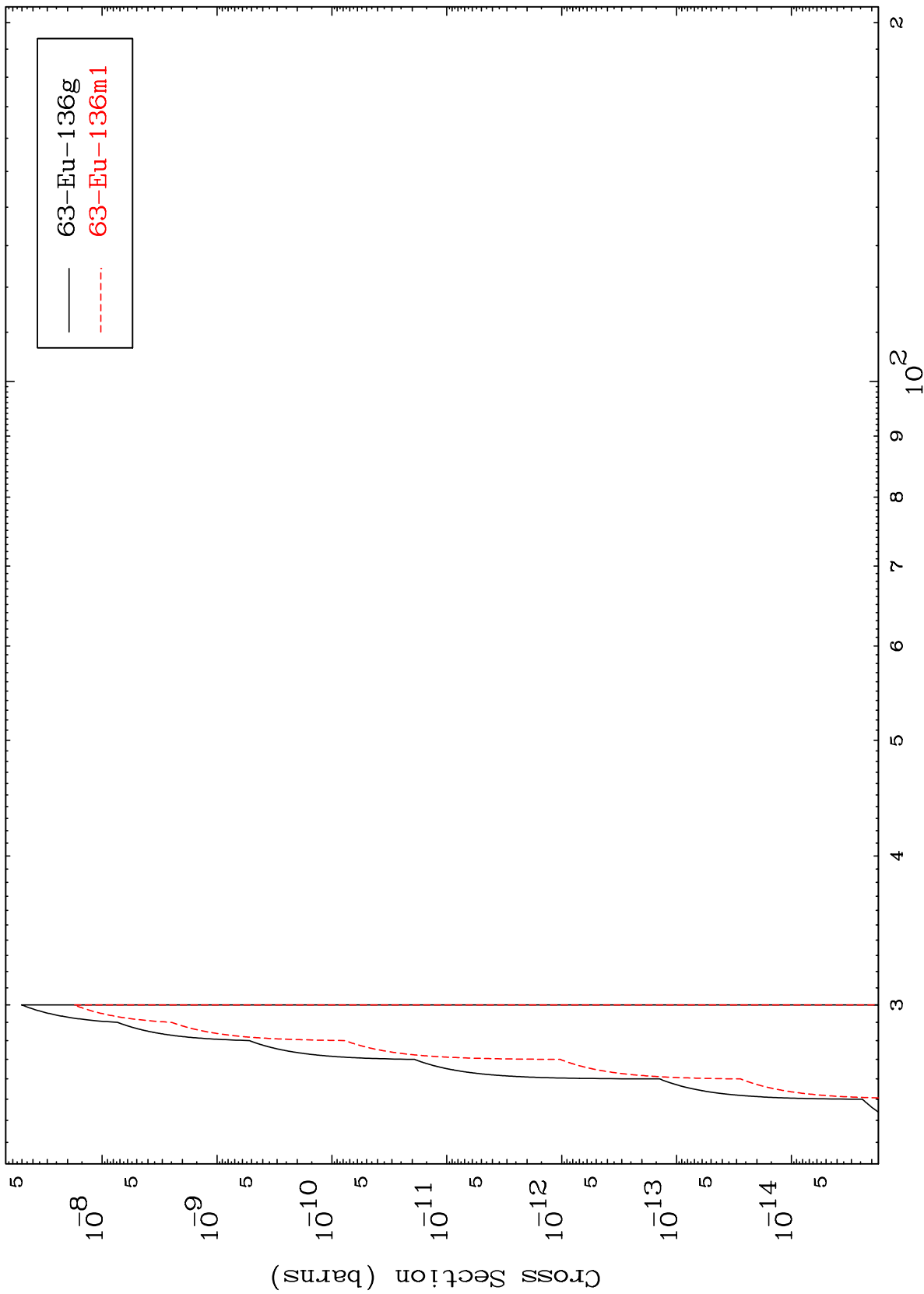
64-Gd-139

MAT 6386

(n,2n) d

64-Gd-139

Radionuclide Production Cross Section



44

Incident Energy (MeV)

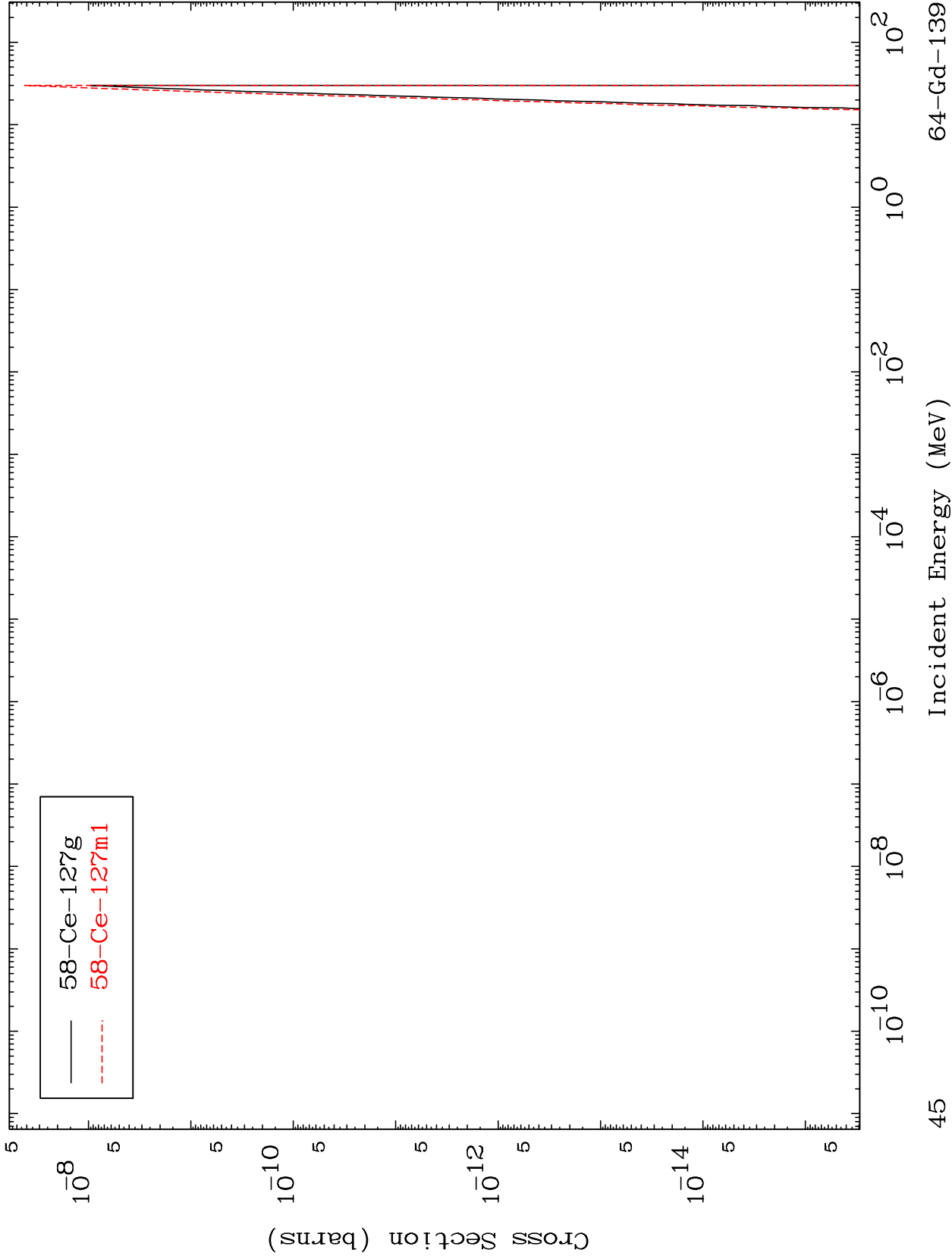
64-Gd-139

MAT 6386

(n,n') 3 α

64-Gd-139

Radionuclide Production Cross Section

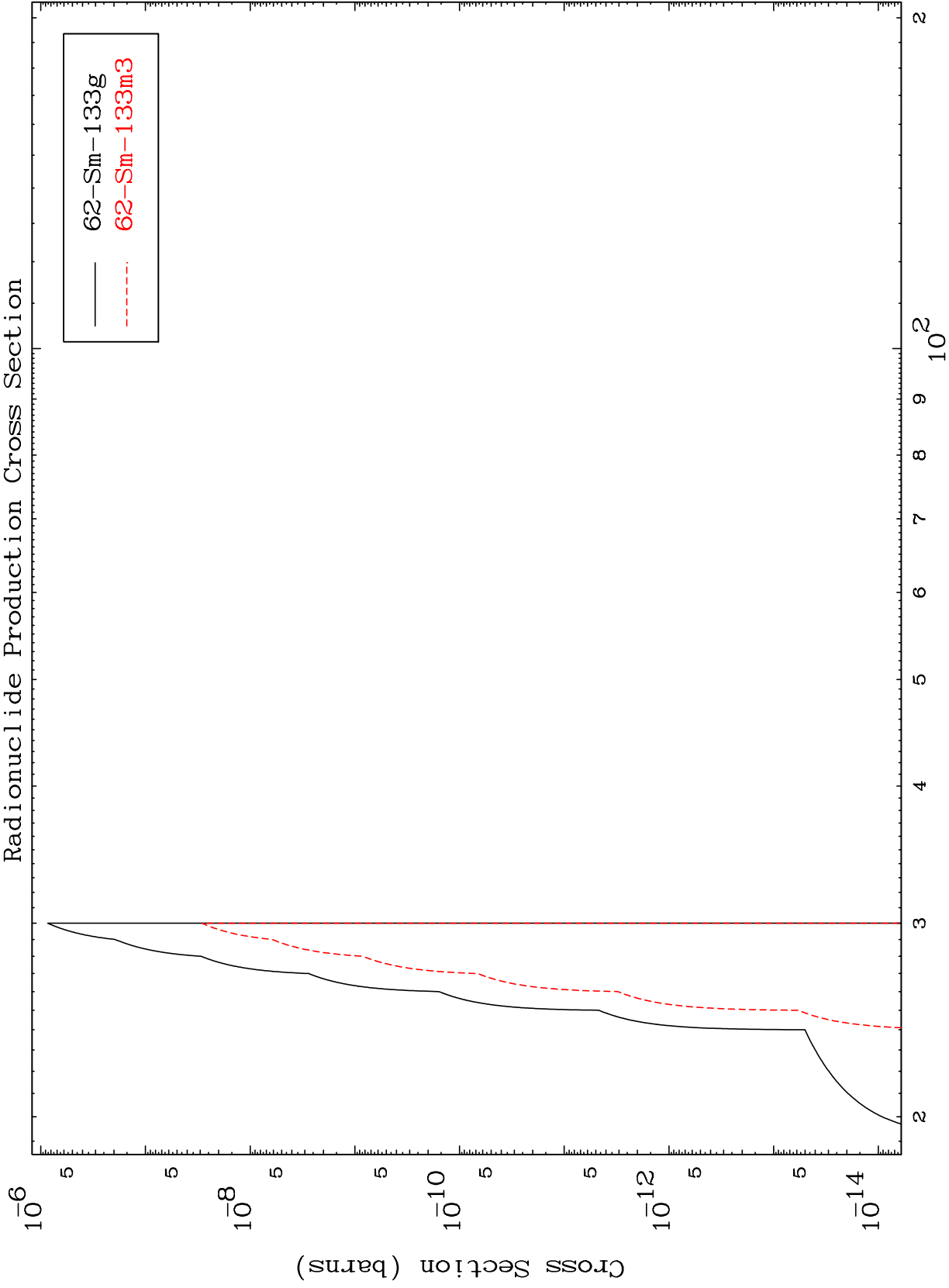


MAT 6386

$(n,3n) \alpha$

64-Gd-139

Radionuclide Production Cross Section



46

Incident Energy (MeV)

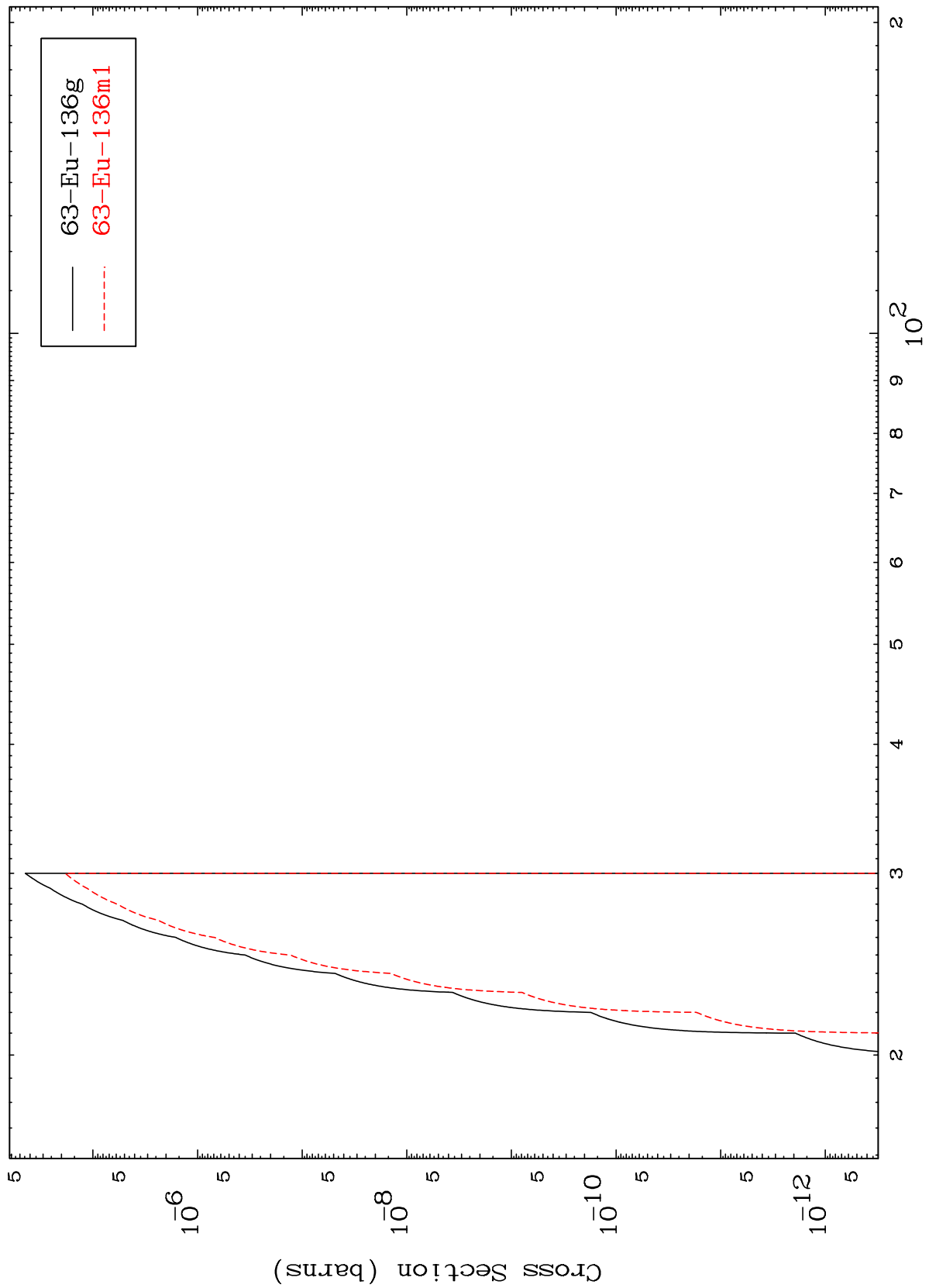
64-Gd-139

MAT 6386

(n,n') t

64-Gd-139

Radionuclide Production Cross Section



47

Incident Energy (MeV)

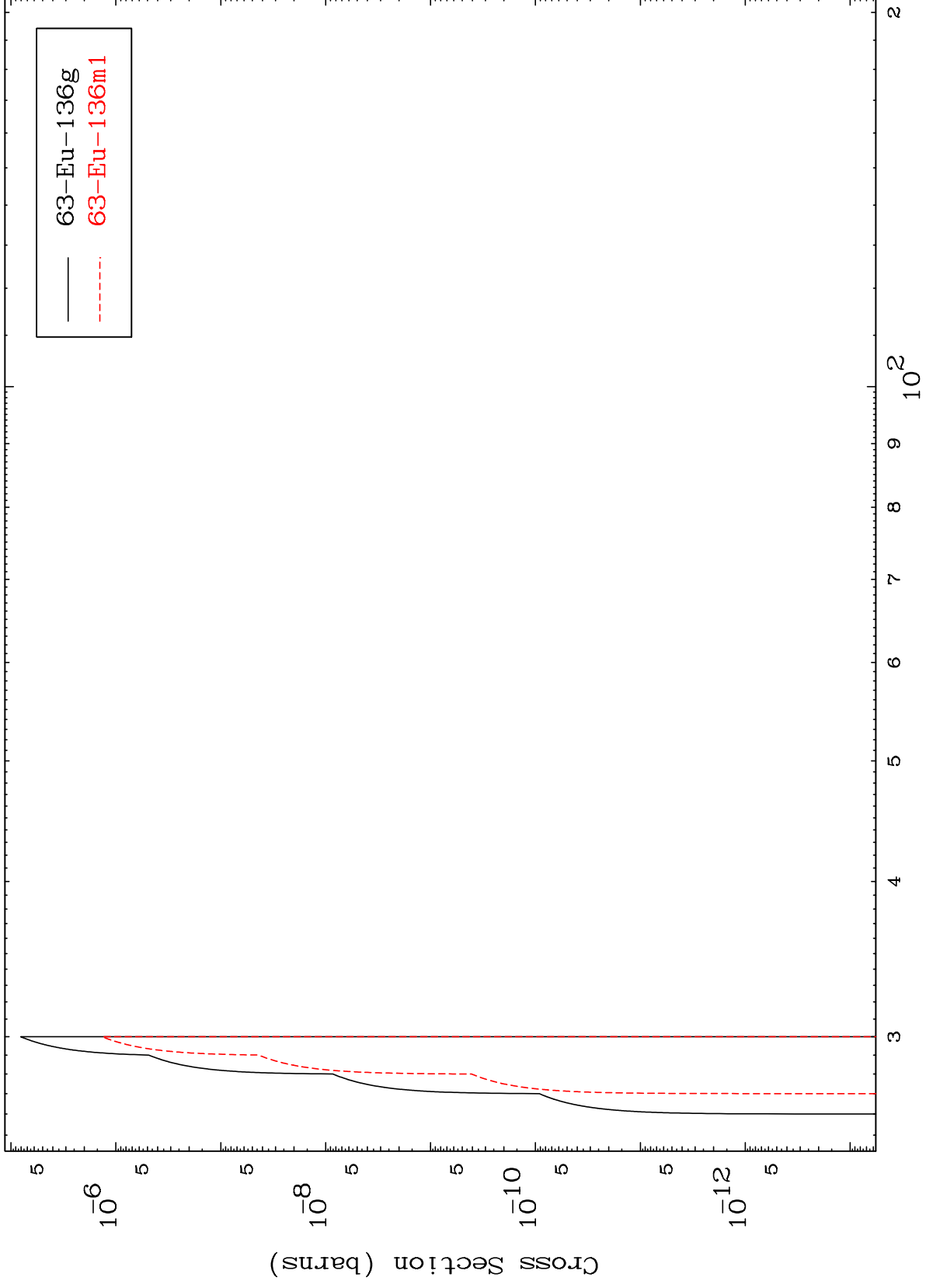
64-Gd-139

MAT 6386

(n,3n) p

64-Gd-139

Radionuclide Production Cross Section



48

Incident Energy (MeV)

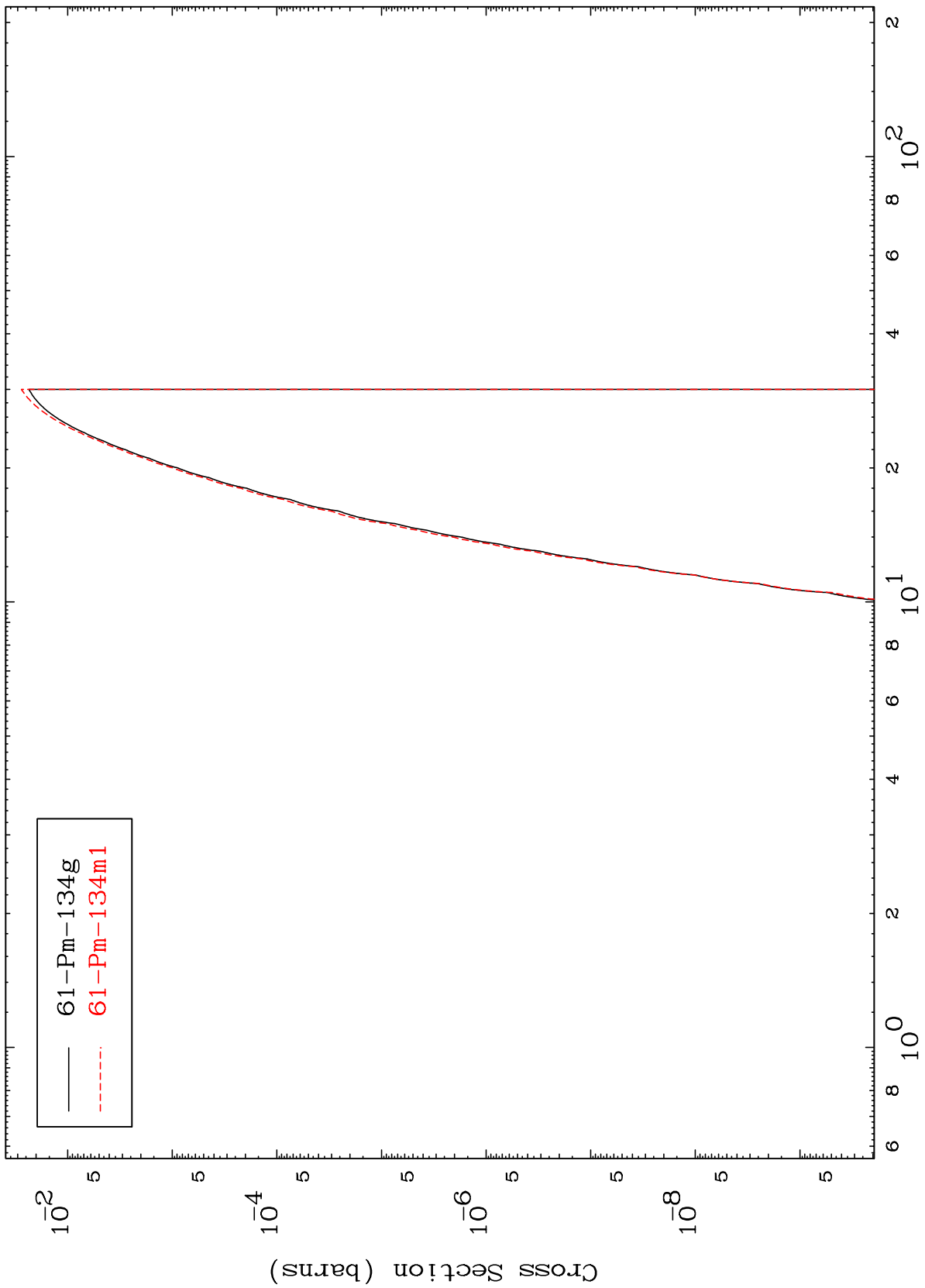
64-Gd-139

MAT 6386

(n,n') p α

64-Gd-139

Radionuclide Production Cross Section



61-Pm-134g
61-Pm-134m1

49

Incident Energy (MeV)

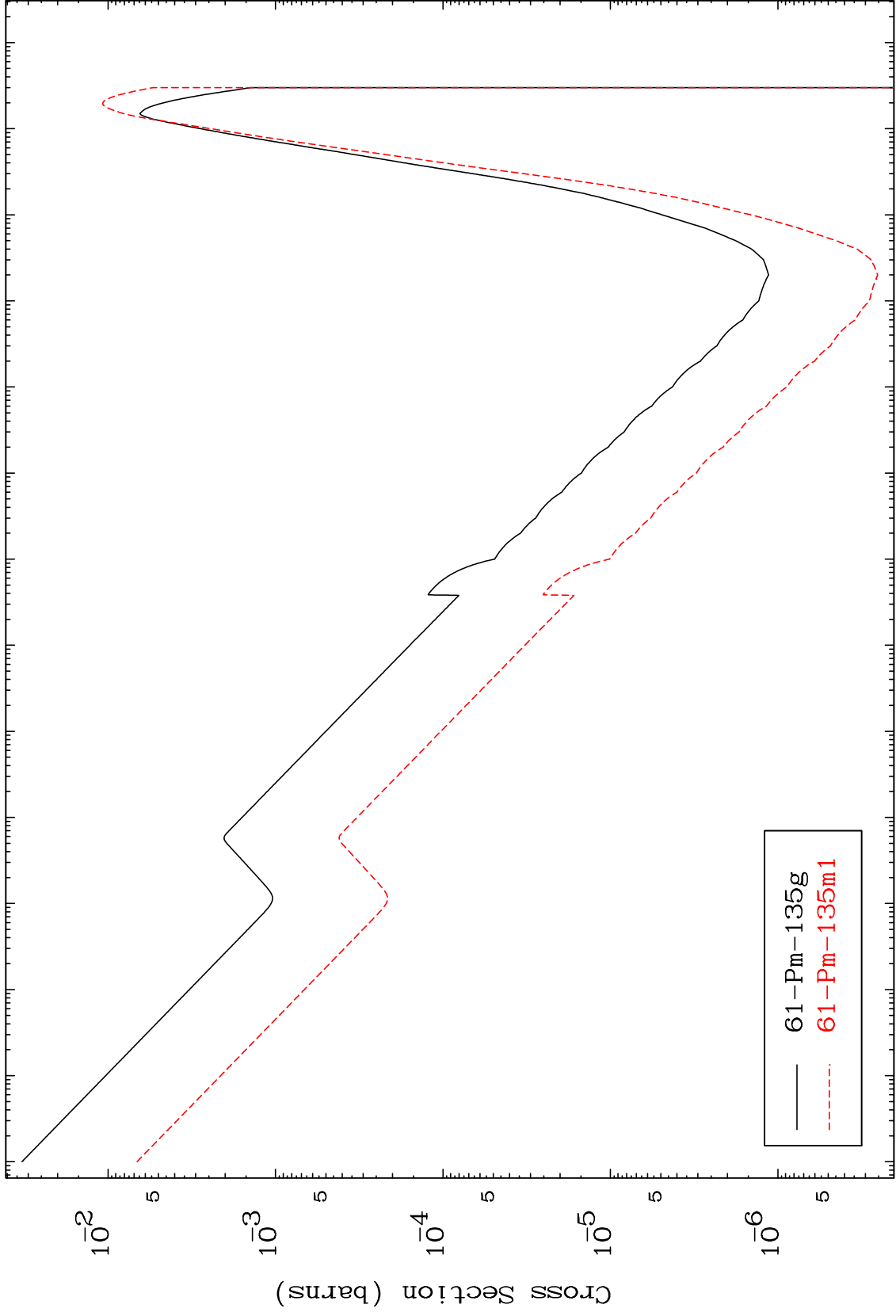
64-Gd-139

MAT 6386

(n,p) α

64-Gd-139

Radionuclide Production Cross Section



64-Gd-139

Incident Energy (MeV)

— 61-Pm-135g
- - - 61-Pm-135m1

MAT 6386

(n,d) α

64-Gd-139

Radionuclide Production Cross Section

