

Program EVALPLOT
(Version 2015-2)

by

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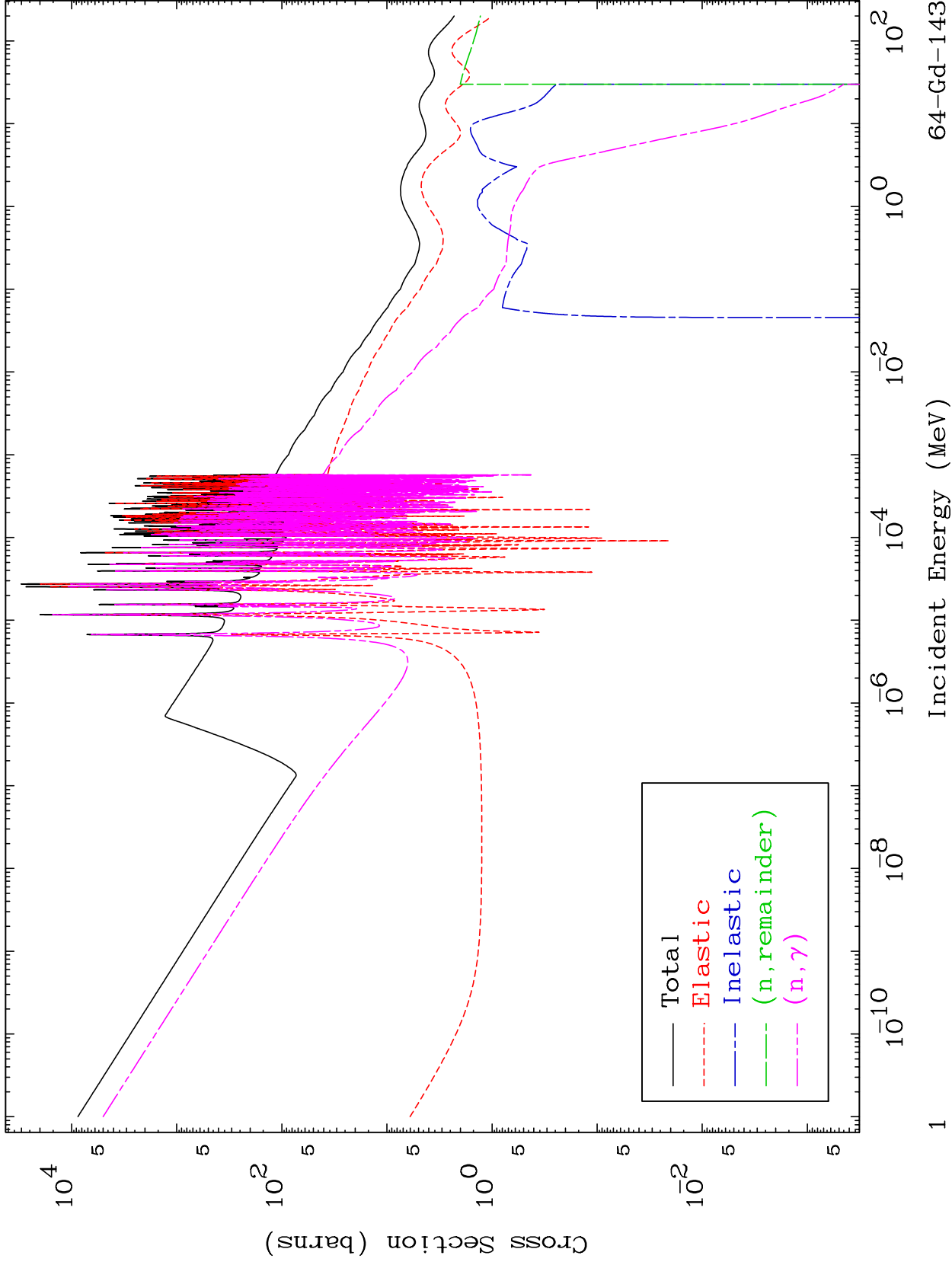
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6398

Major
293 Kelvin Cross Sections

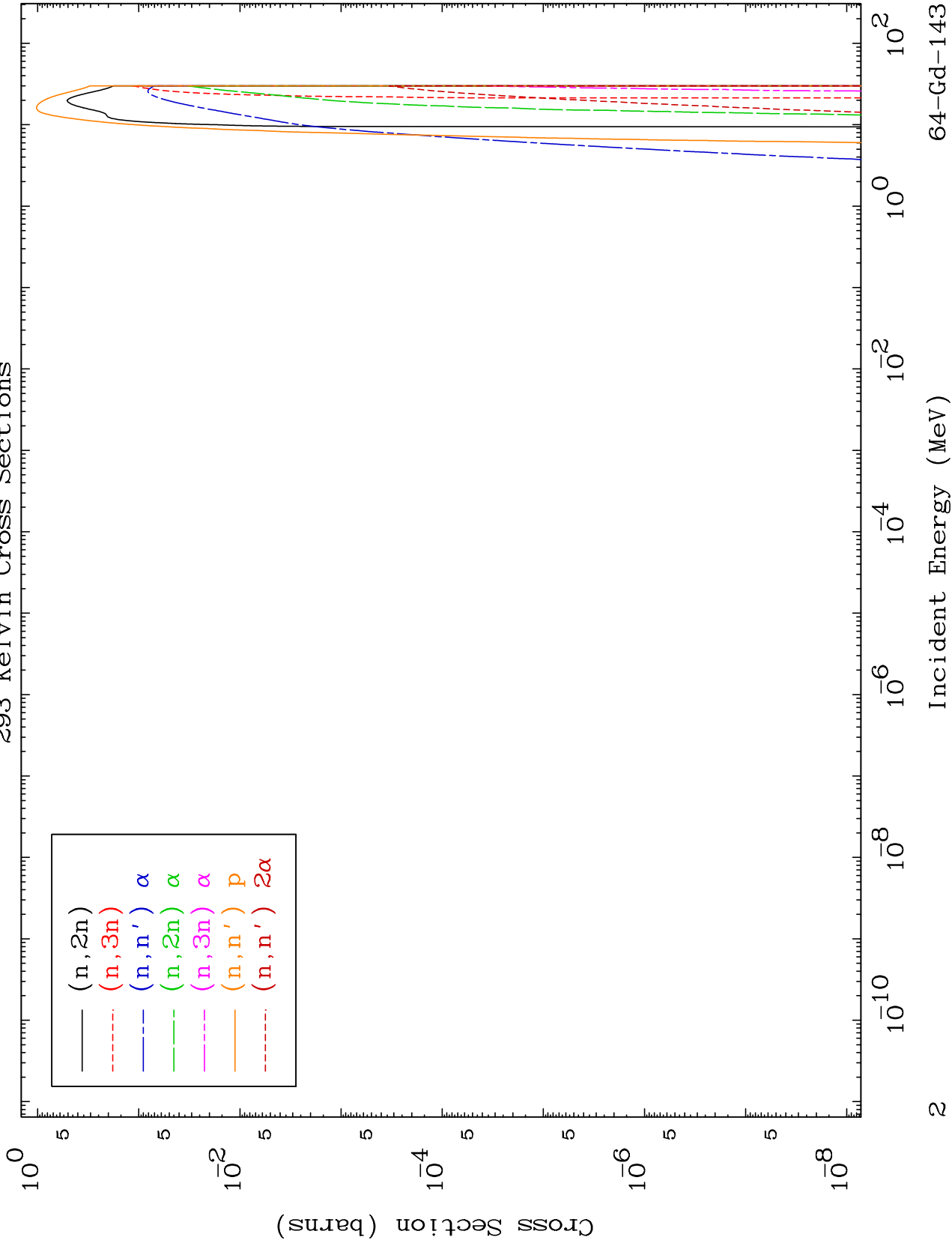
64-Gd-143

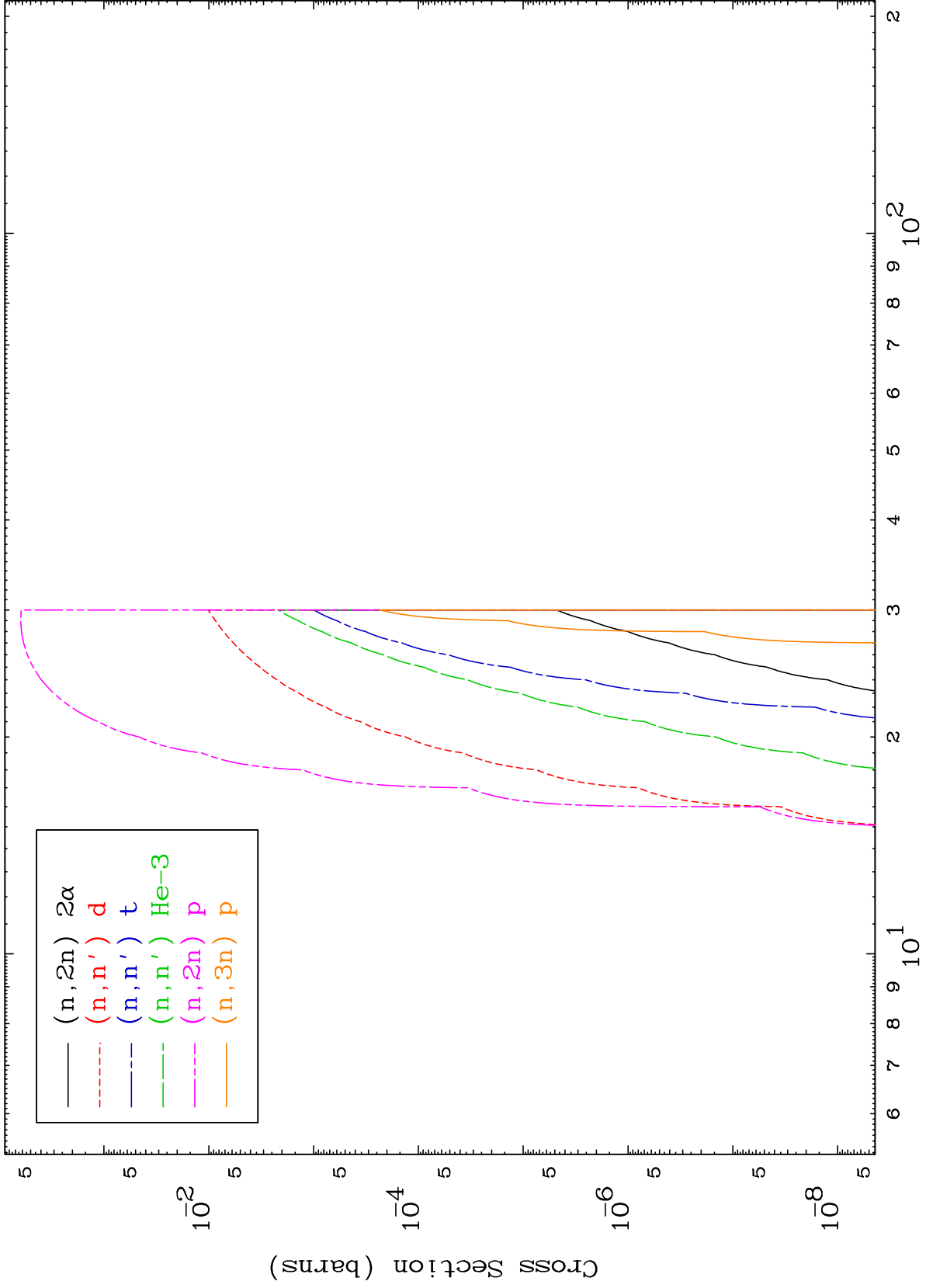


MAT 6398

Neutron Production
293 Kelvin Cross Sections

64-Gd-143

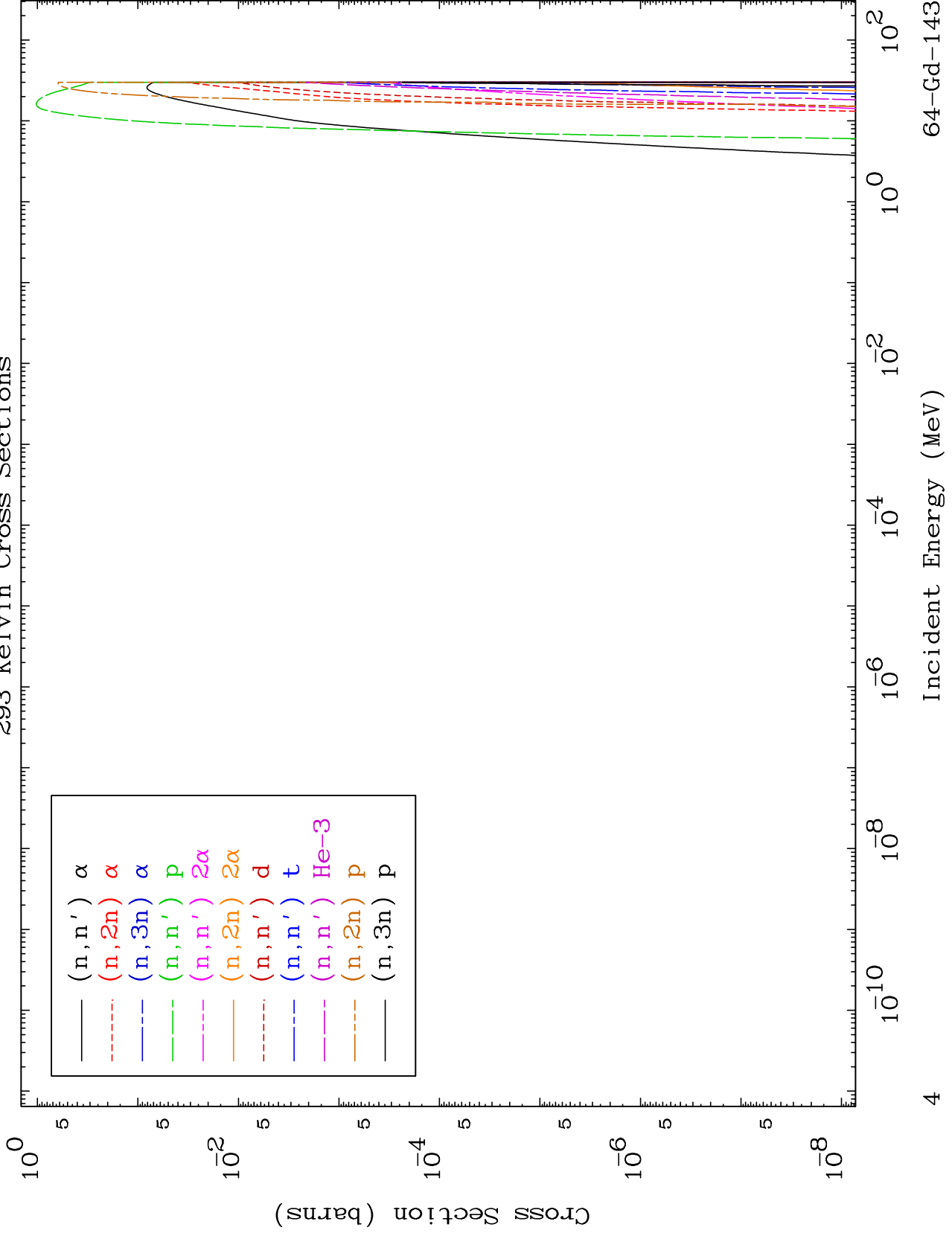




MAT 6398

Charged Particle
293 Kelvin Cross Sections

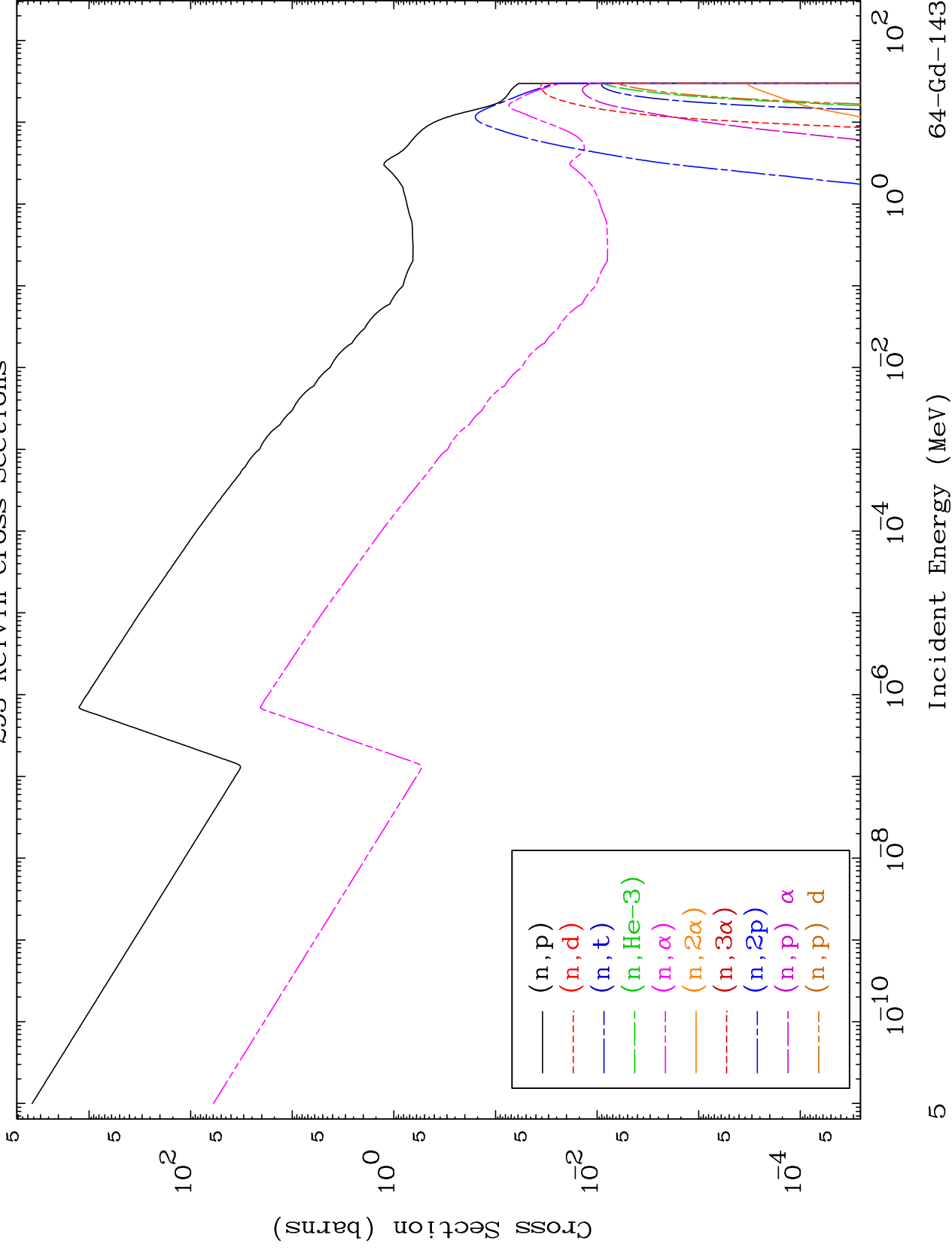
64-Gd-143



MAT 6398

Charged Particle
293 Kelvin Cross Sections

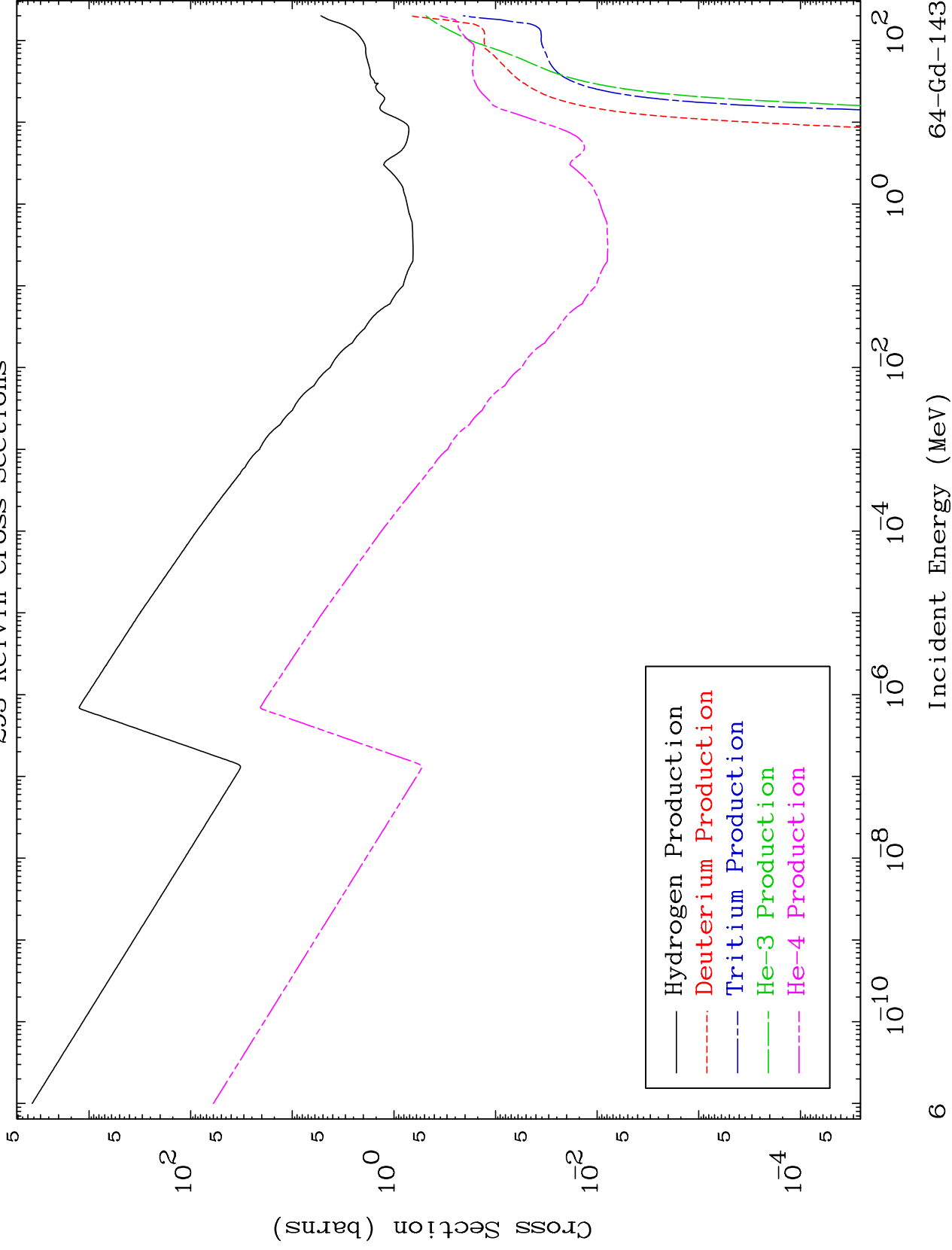
64-Gd-143



MAT 6398

Particle Production
293 Kelvin Cross Sections

64-Gd-143

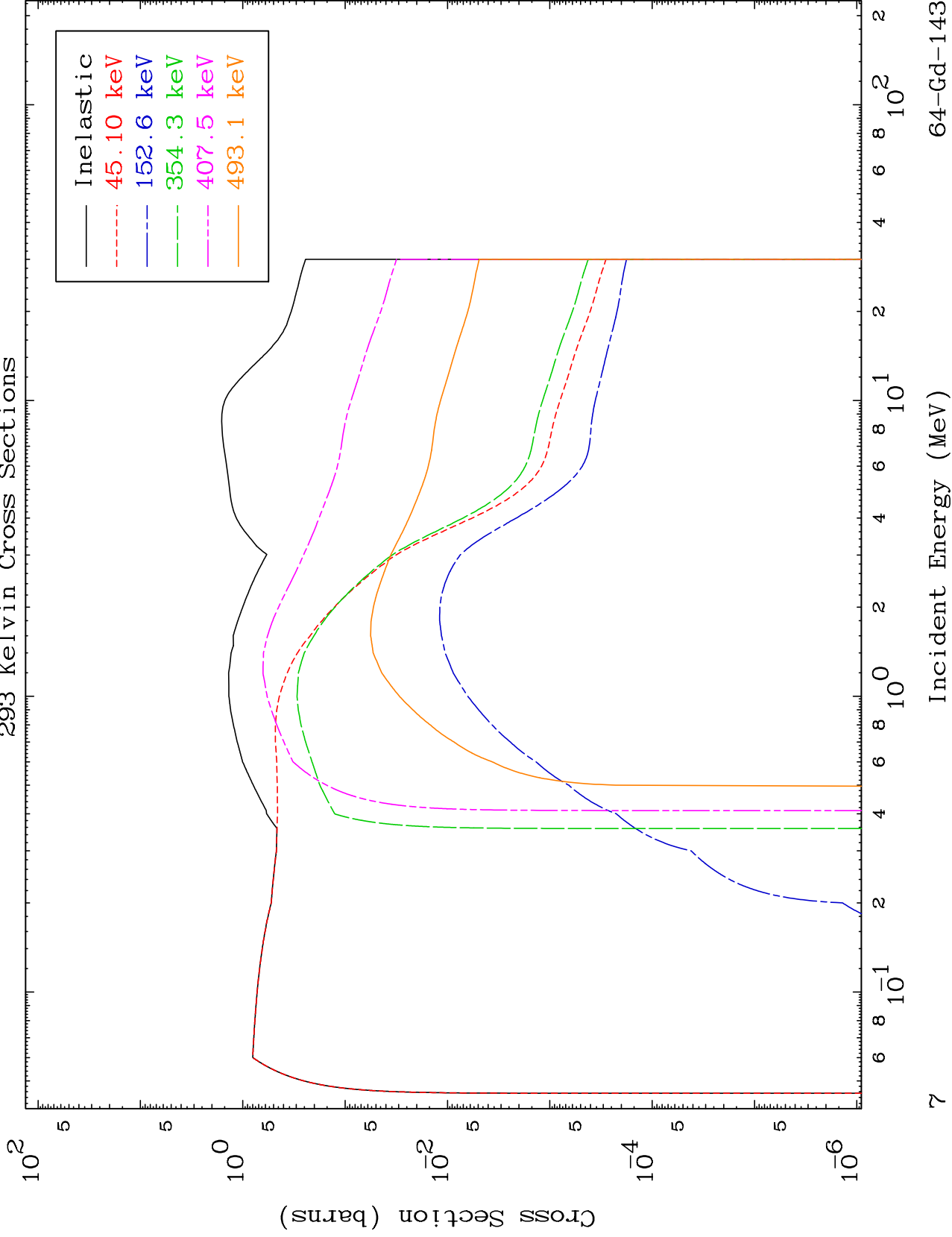


MAT 6398

(n,n') Level

64-Gd-143

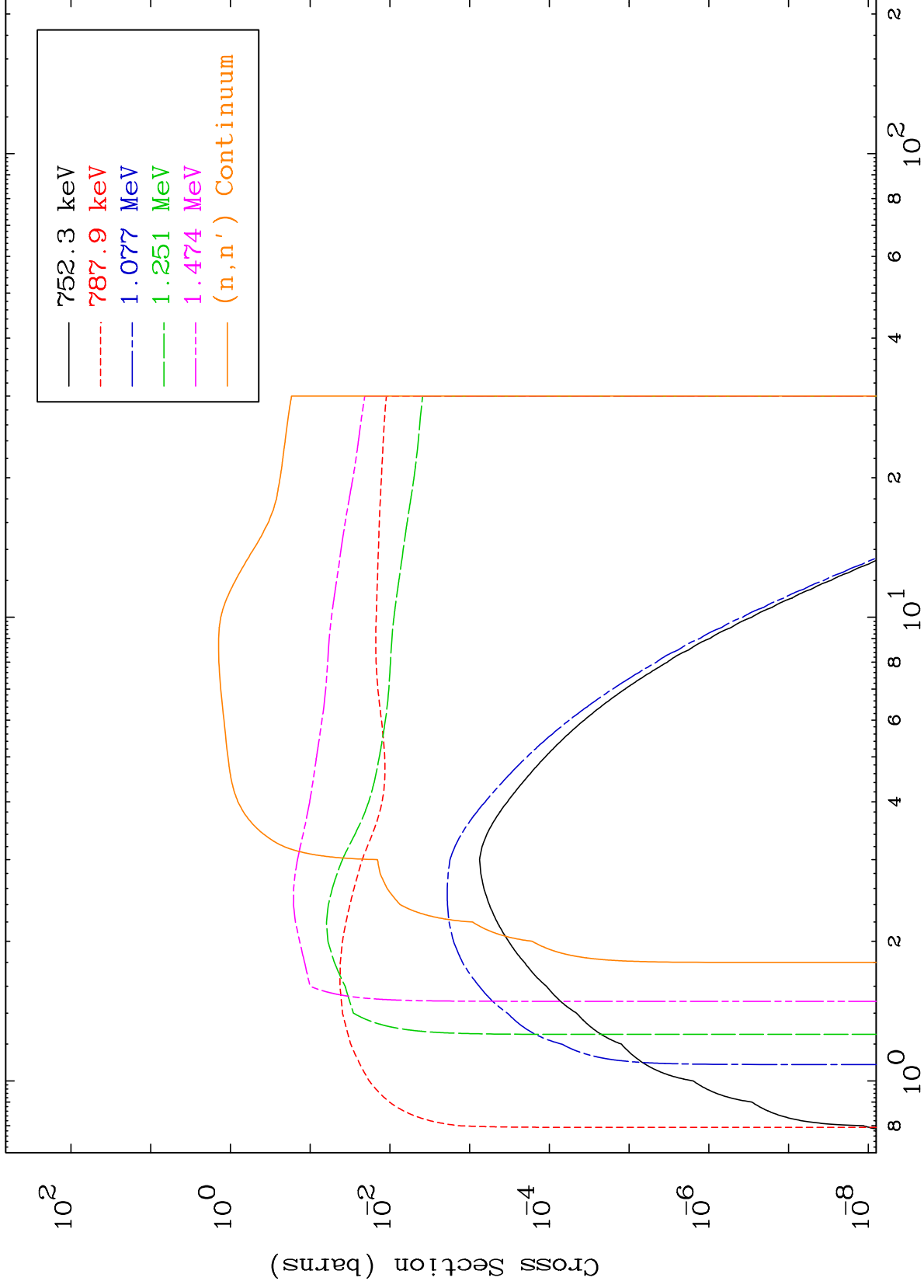
293 Kelvin Cross Sections



MAT 6398

(n,n') Level
293 Kelvin Cross Sections

64-Gd-143



8

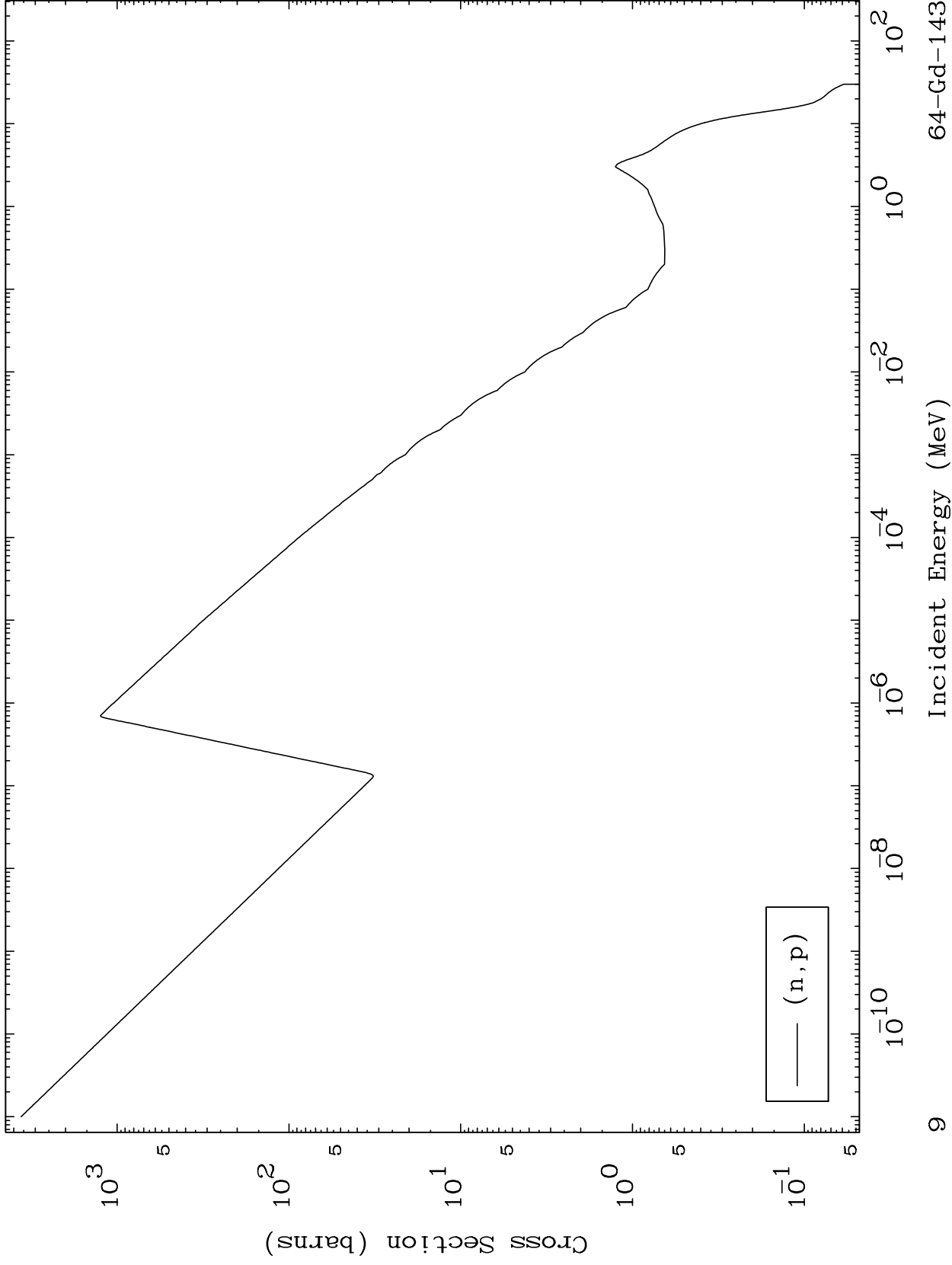
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,p) Levels
293 Kelvin Cross Sections

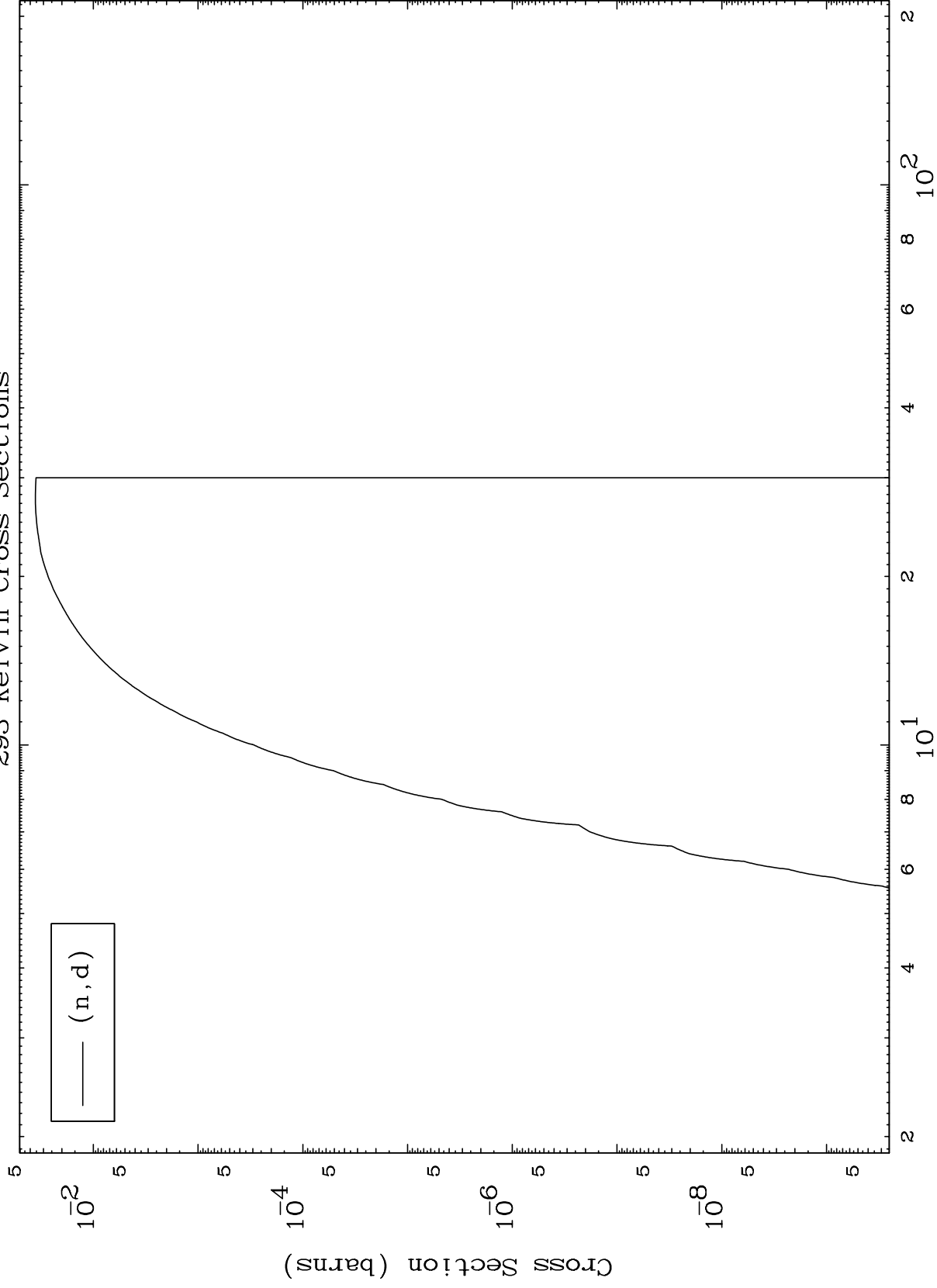
64-Gd-143



MAT 6398

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-143



10

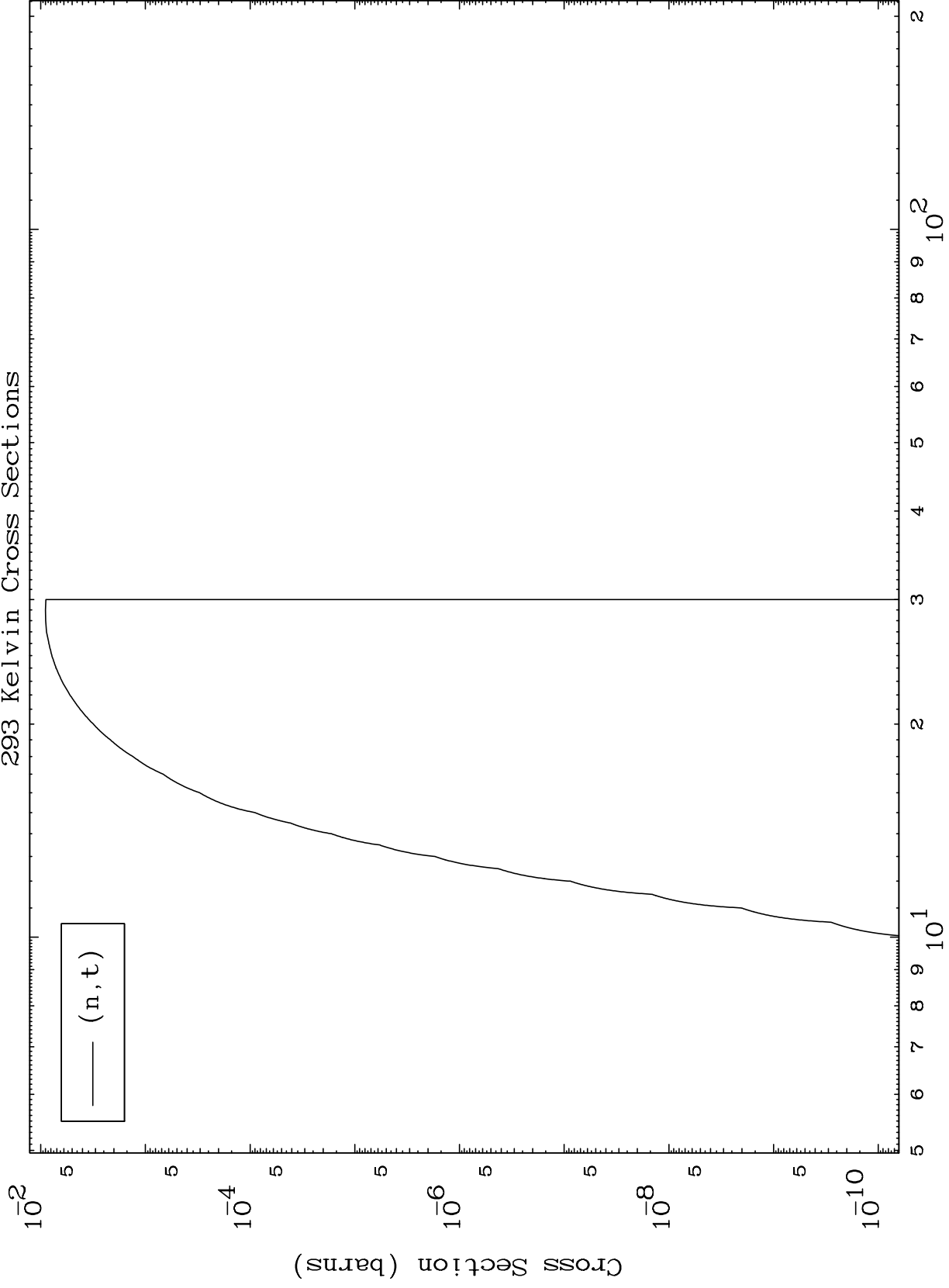
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-143



11

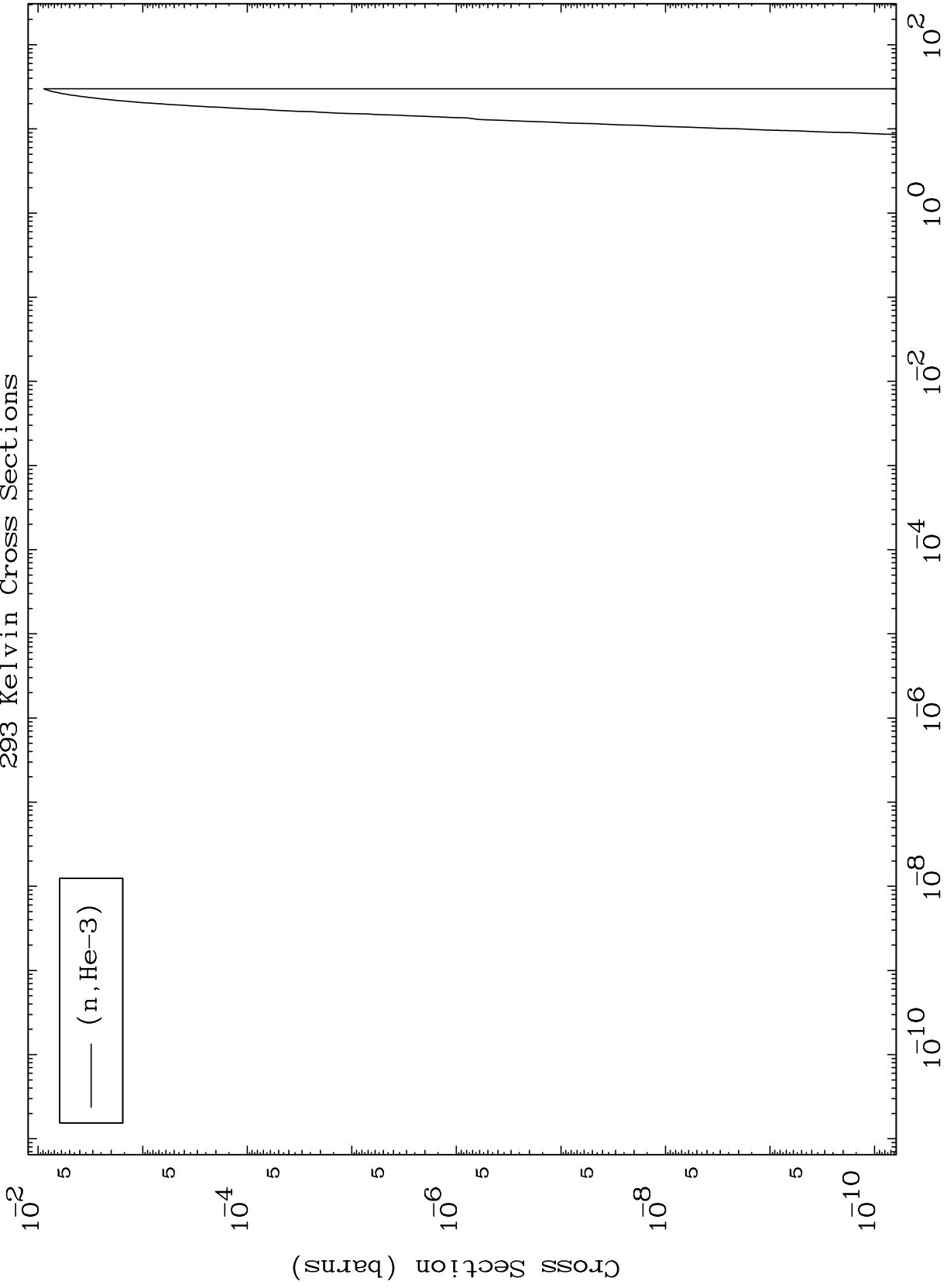
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-143



12

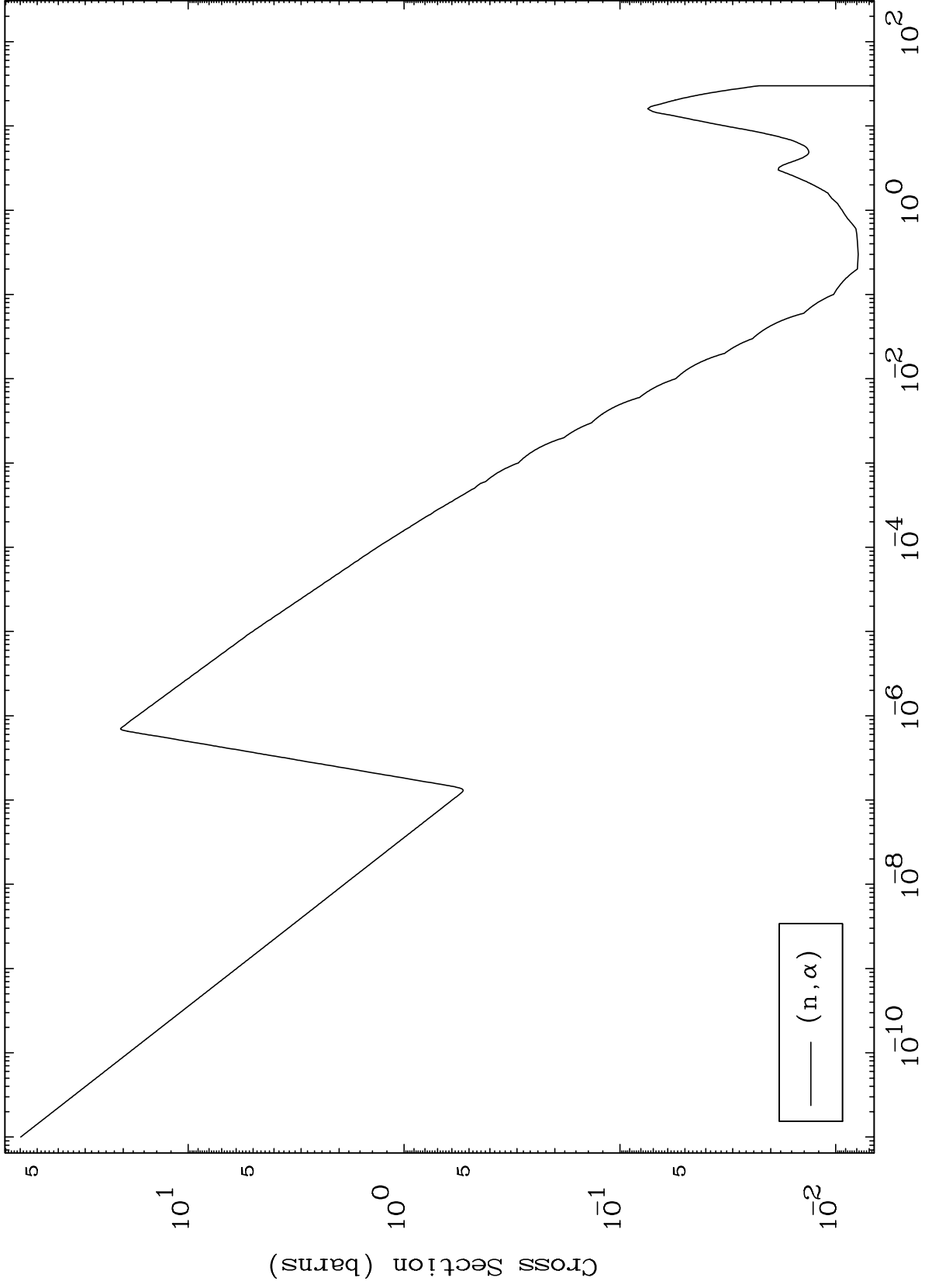
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,α) Levels
293 Kelvin Cross Sections

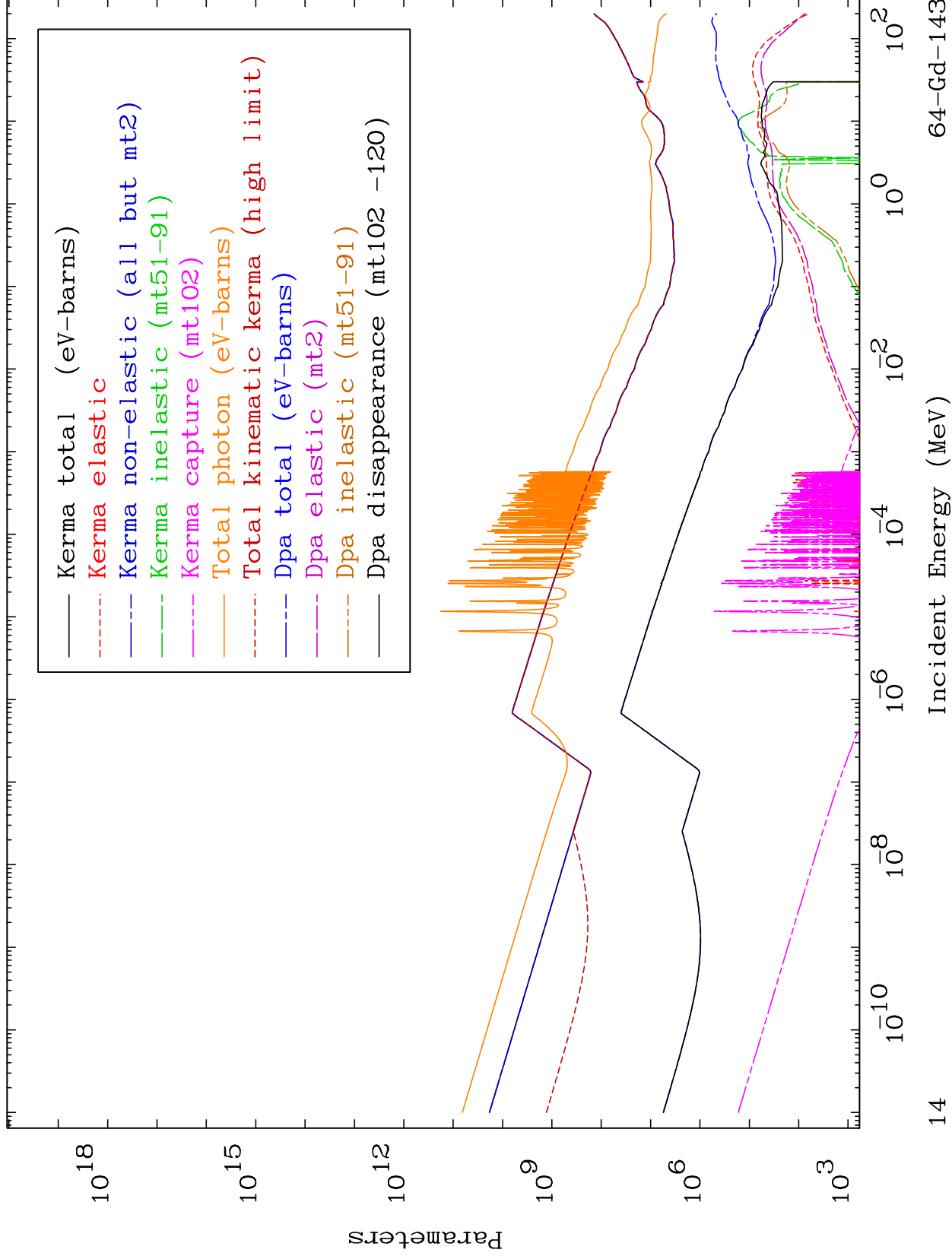
64-Gd-143



13

Incident Energy (MeV)

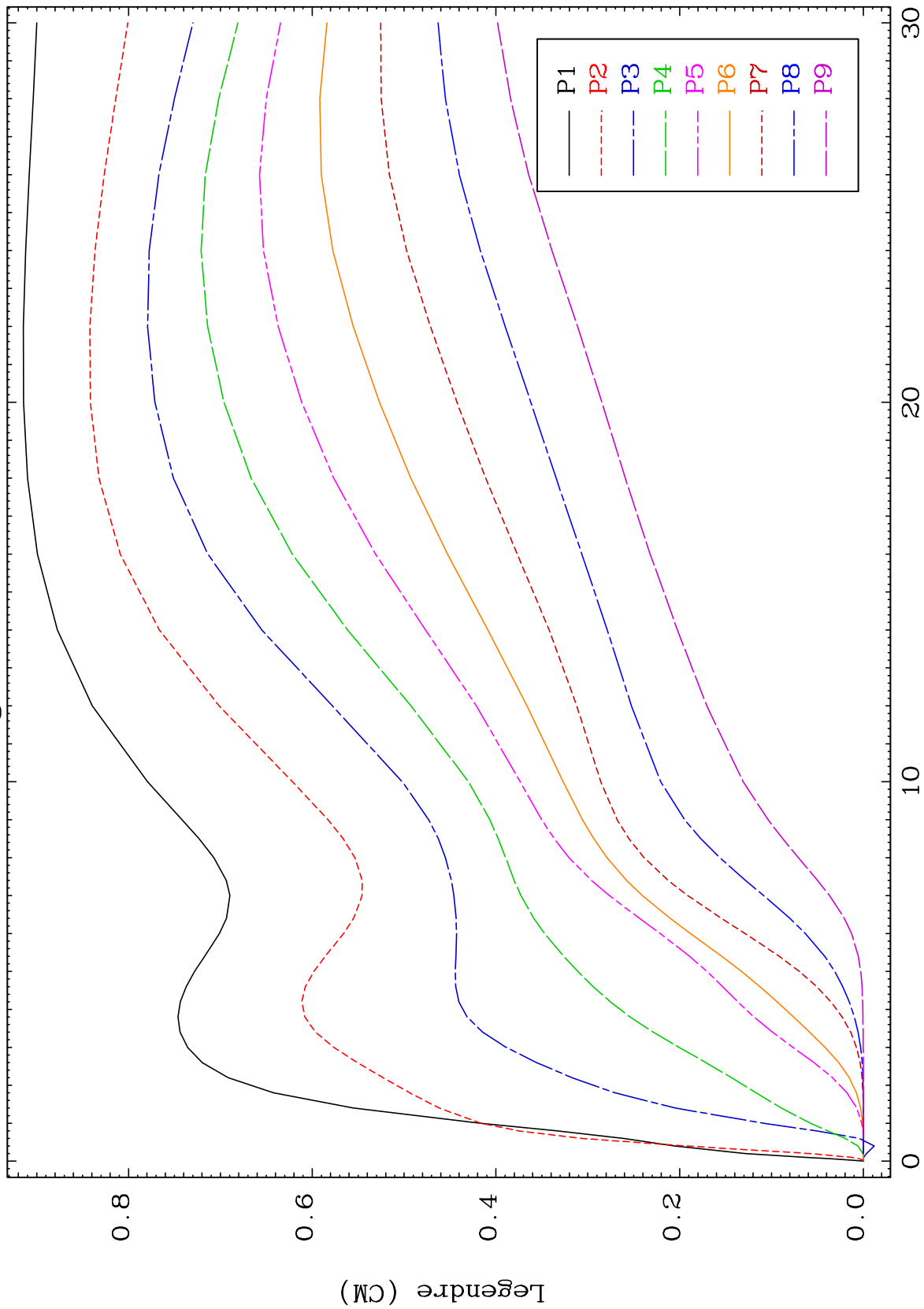
64-Gd-143



MAT 6398

Elastic Legendre Coefficients

64-Gd-143



15

Incident Energy (MeV)

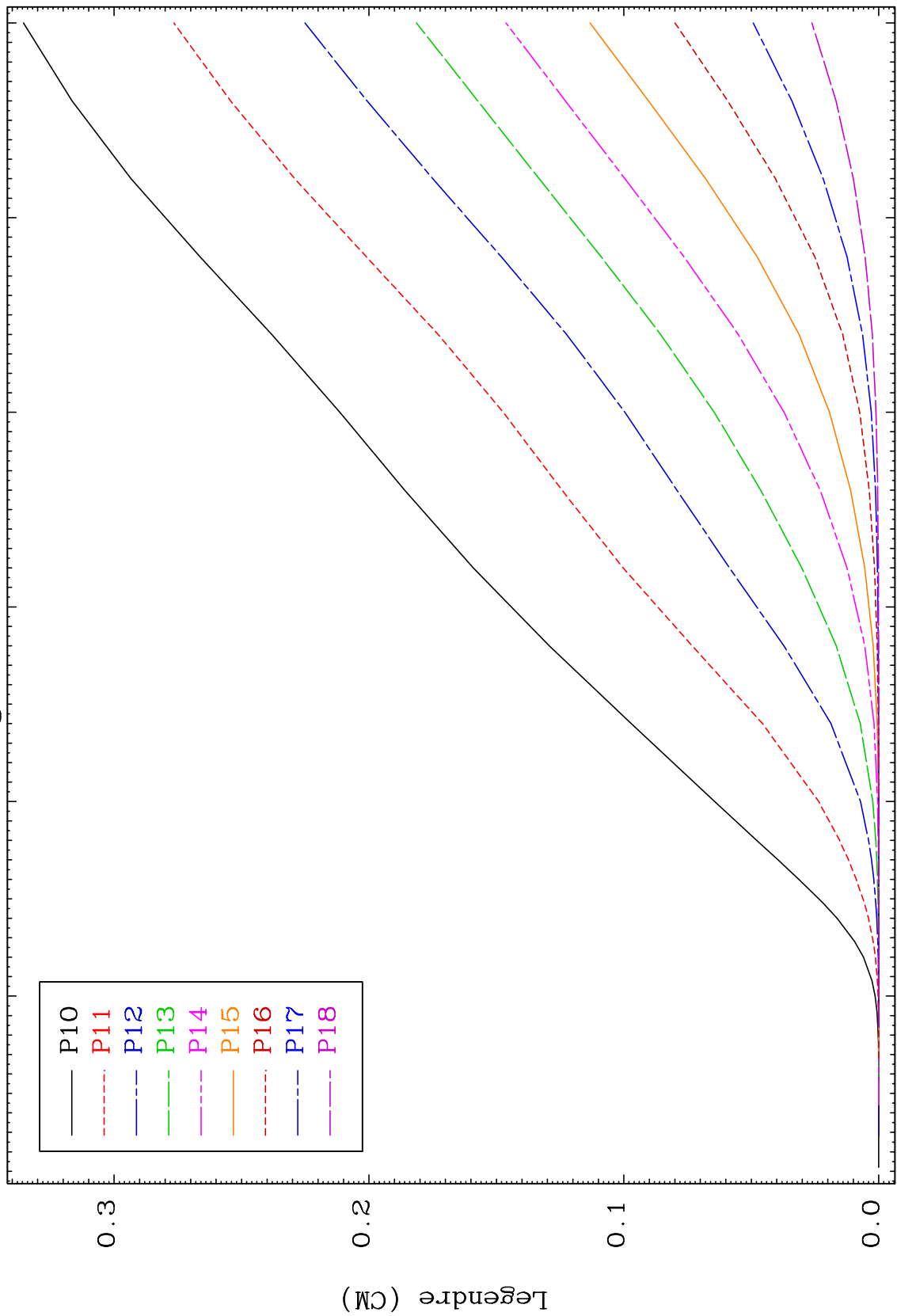
64-Gd-143

30

MAT 6398

Elastic Legendre Coefficients

64-Gd-143



16

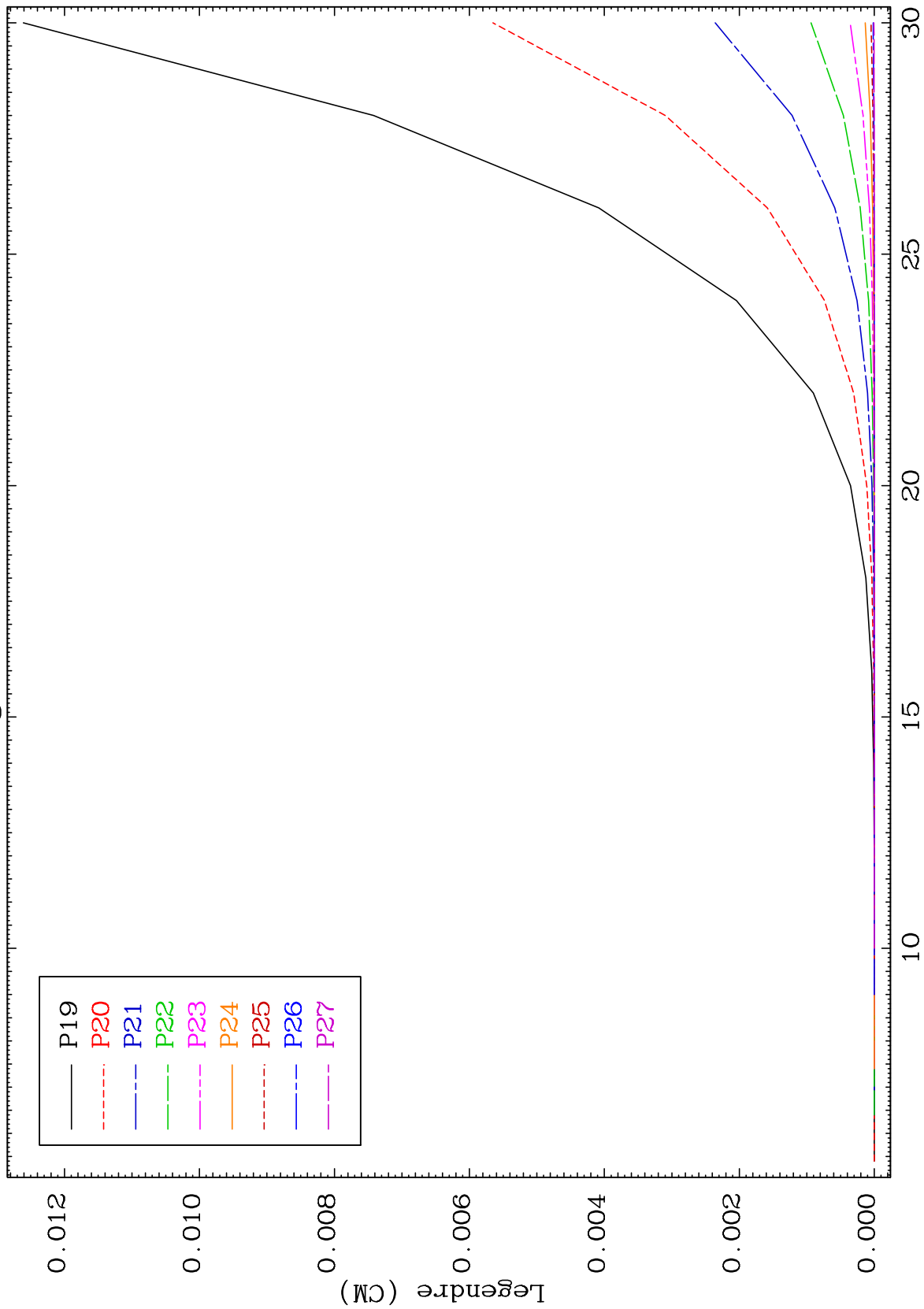
Incident Energy (MeV)

64-Gd-143

MAT 6398

Elastic Legendre Coefficients

64-Gd-143



17

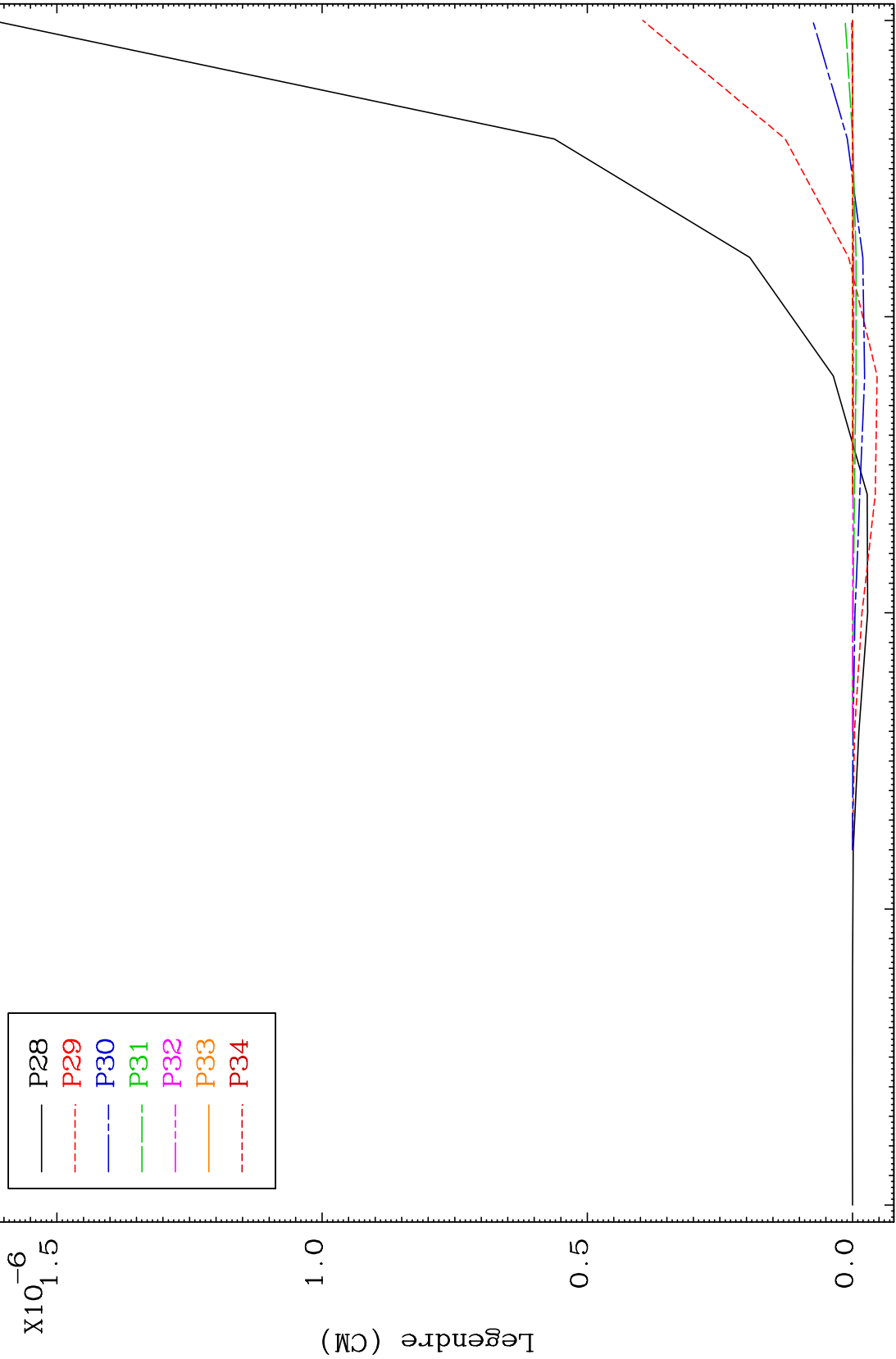
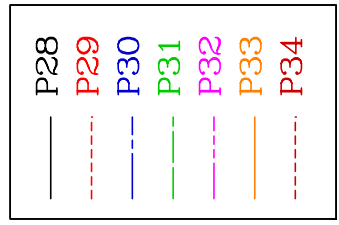
Incident Energy (MeV)

64-Gd-143

MAT 6398

Elastic
Legendre Coefficients

64-Gd-143



64-Gd-143

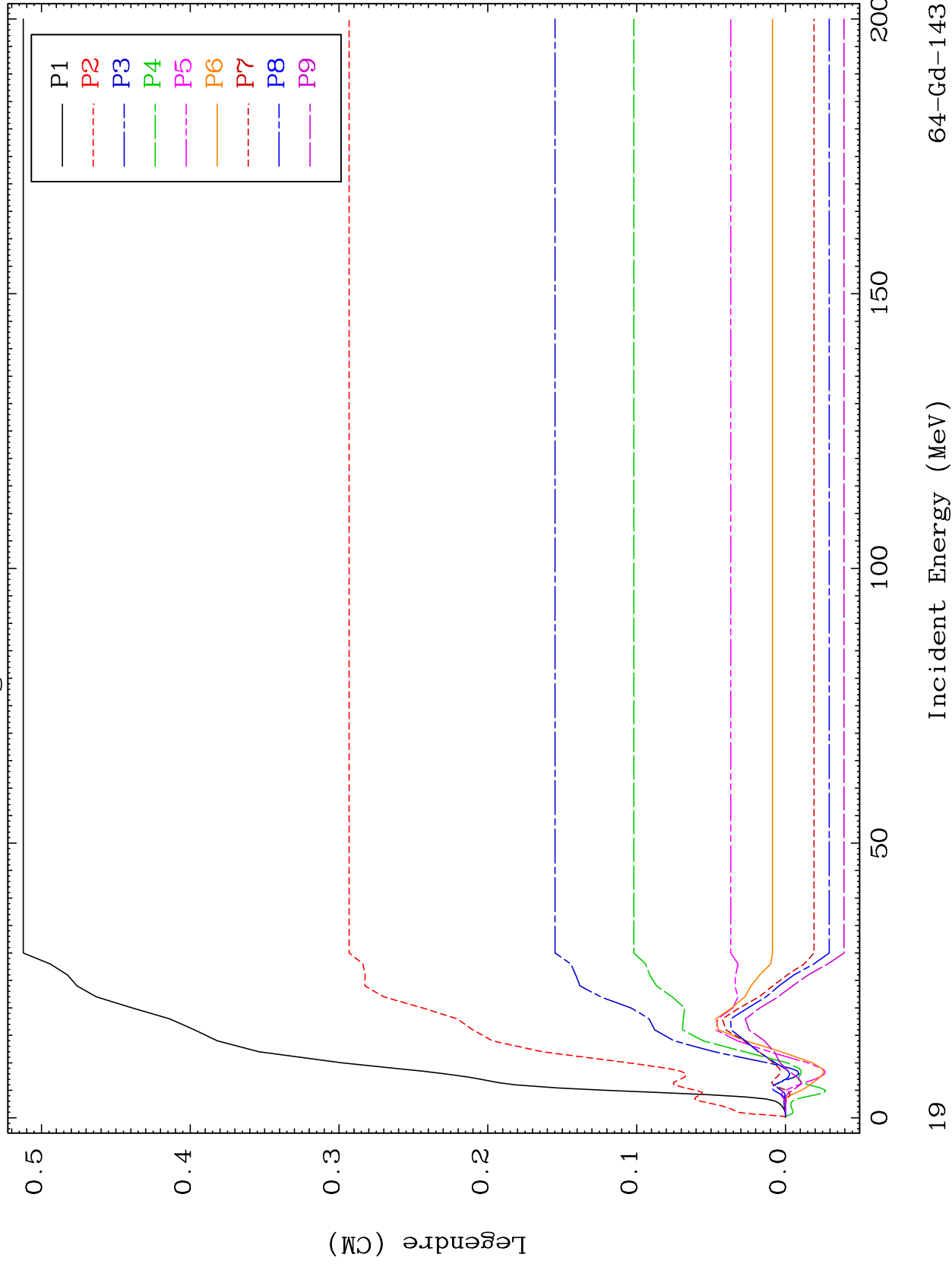
Incident Energy (MeV)

18

MAT 6398

45.10 keV (n,n') Level
Legendre Coefficients

64-Gd-143

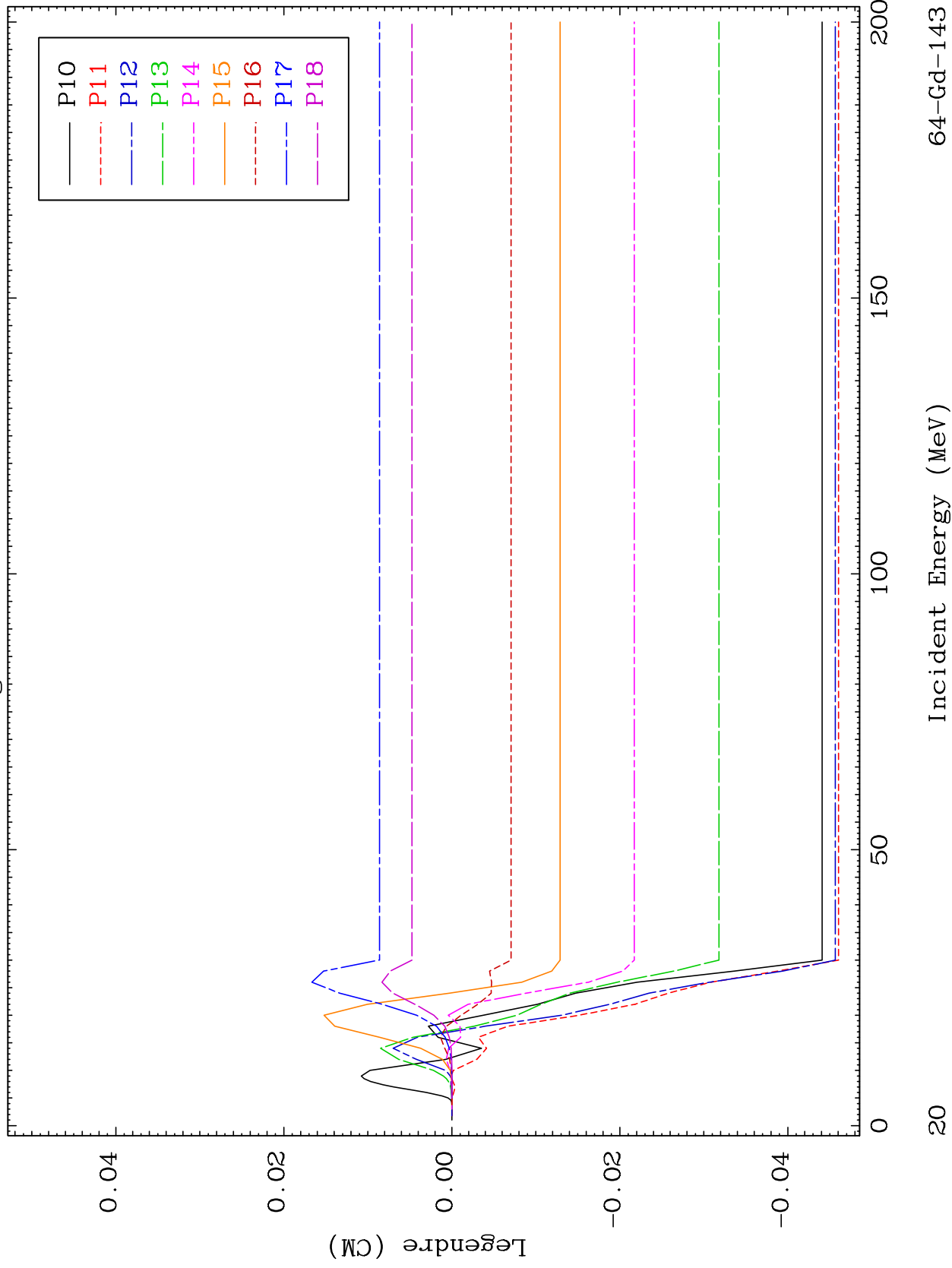


19

MAT 6398

45.10 keV (n,n') Level
Legendre Coefficients

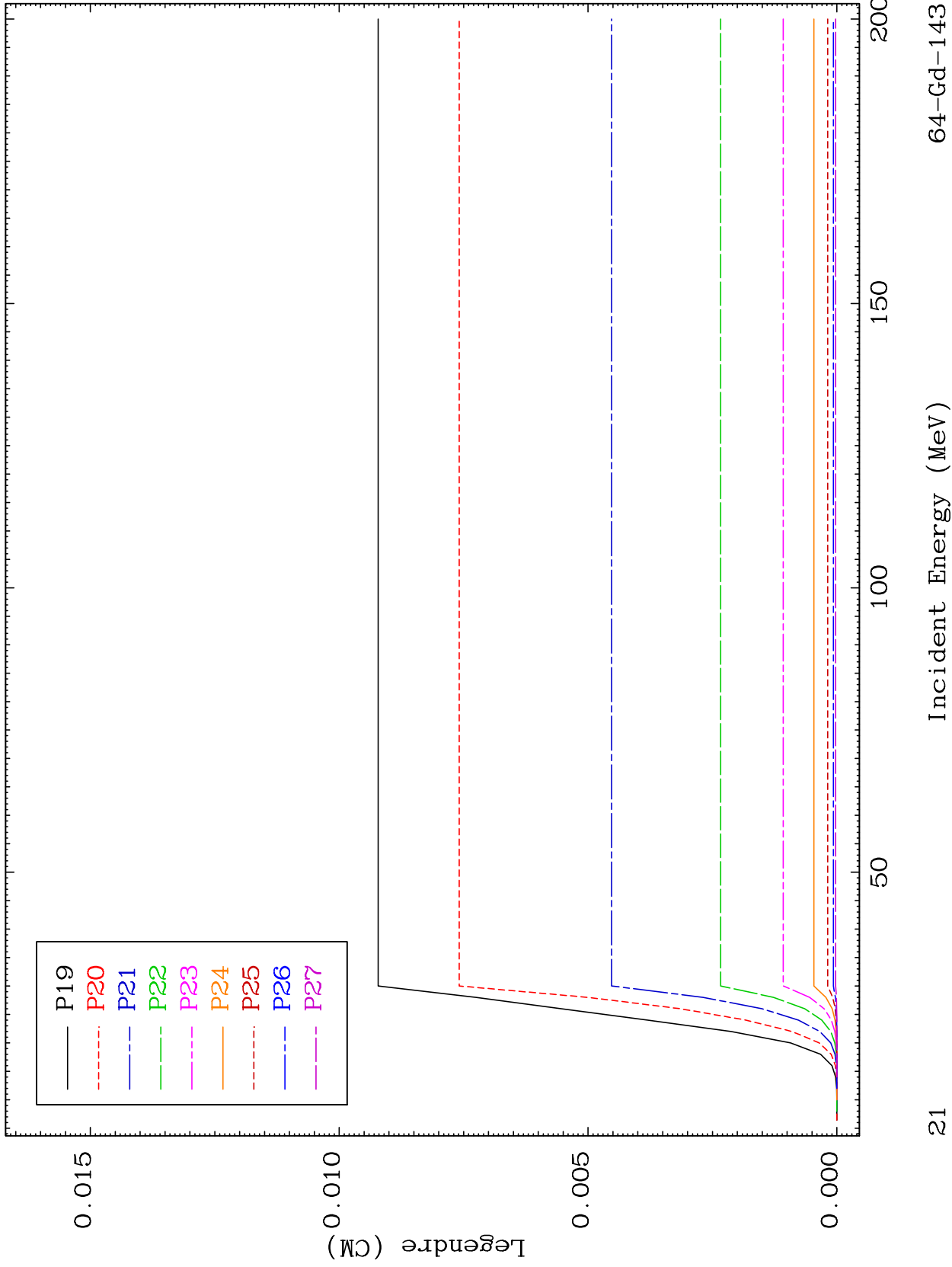
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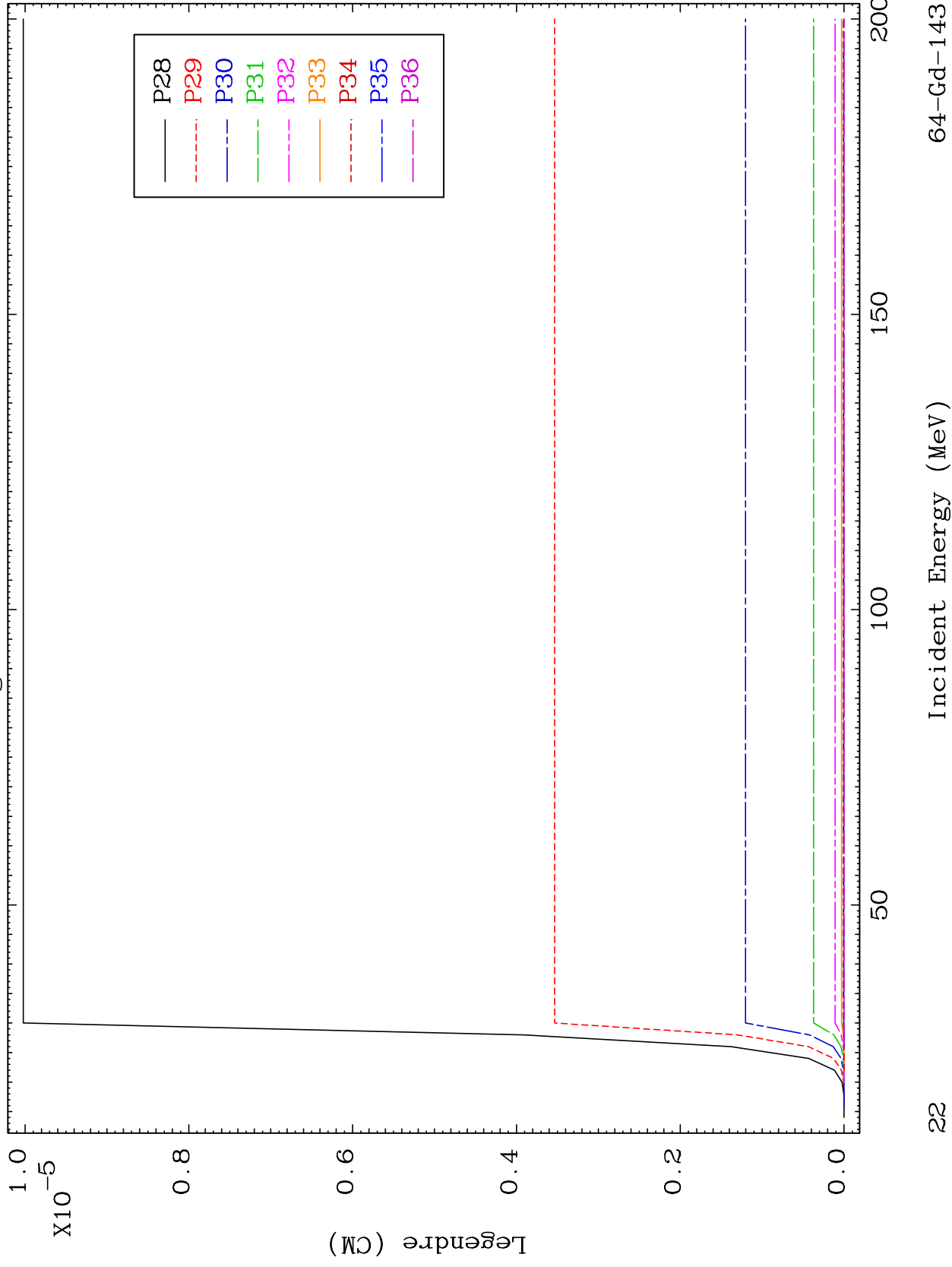


64-Gd-143

Incident Energy (MeV)

20

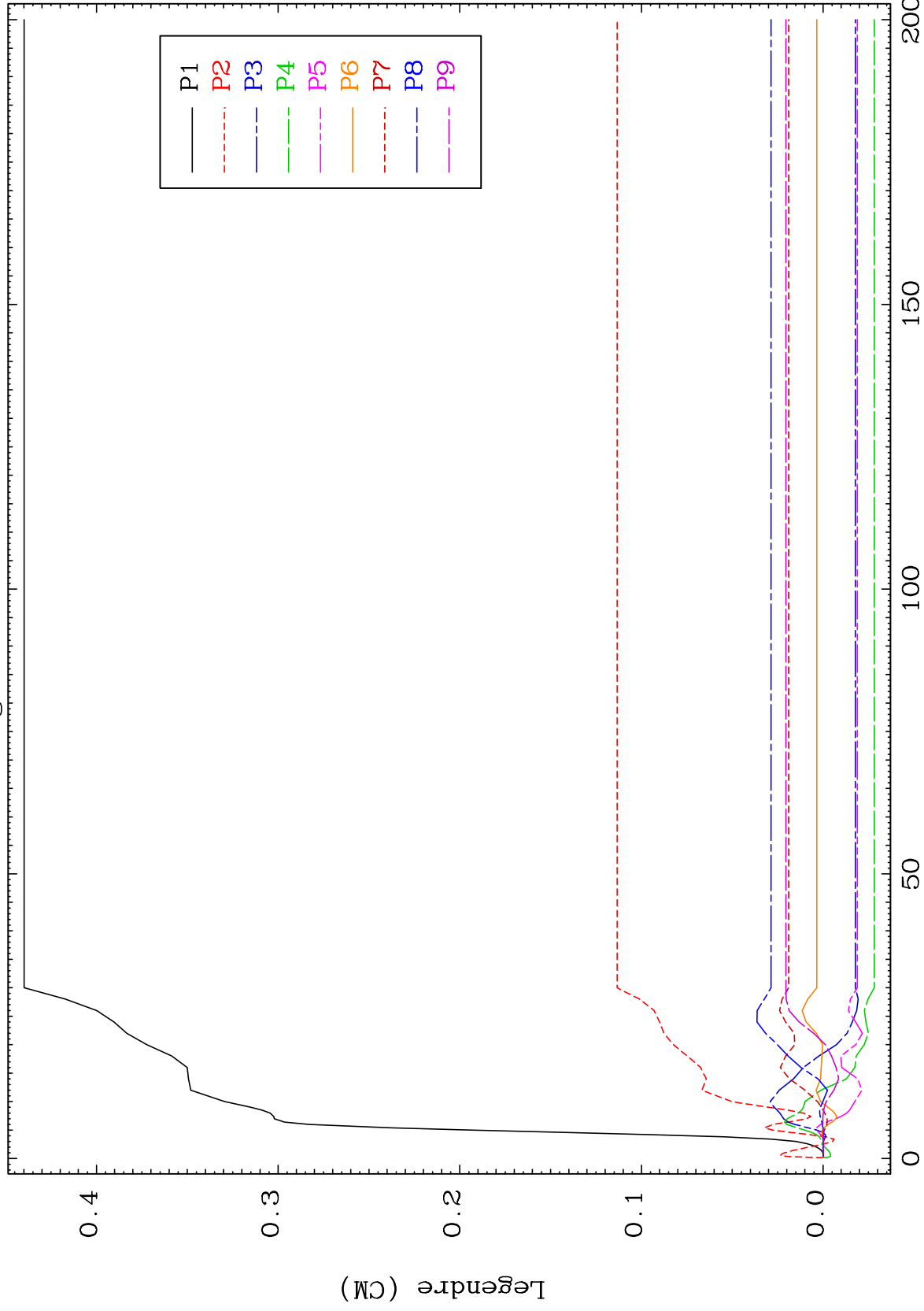




MAT 6398

152.6 keV (n,n') Level
Legendre Coefficients

64-Gd-143



23

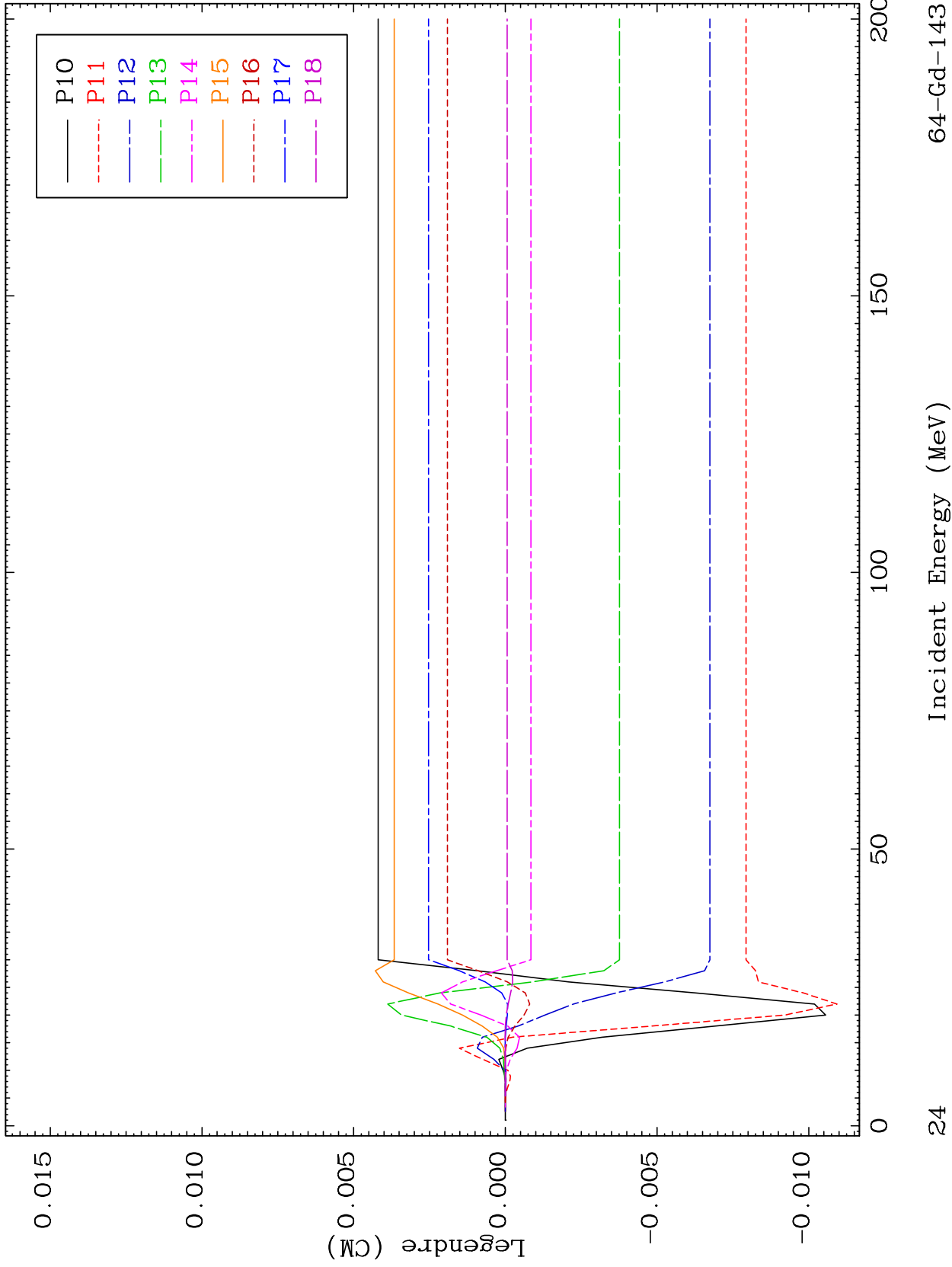
Incident Energy (MeV)

64-Gd-143

MAT 6398

152.6 keV (n,n') Level
Legendre Coefficients

64-Gd-143



24

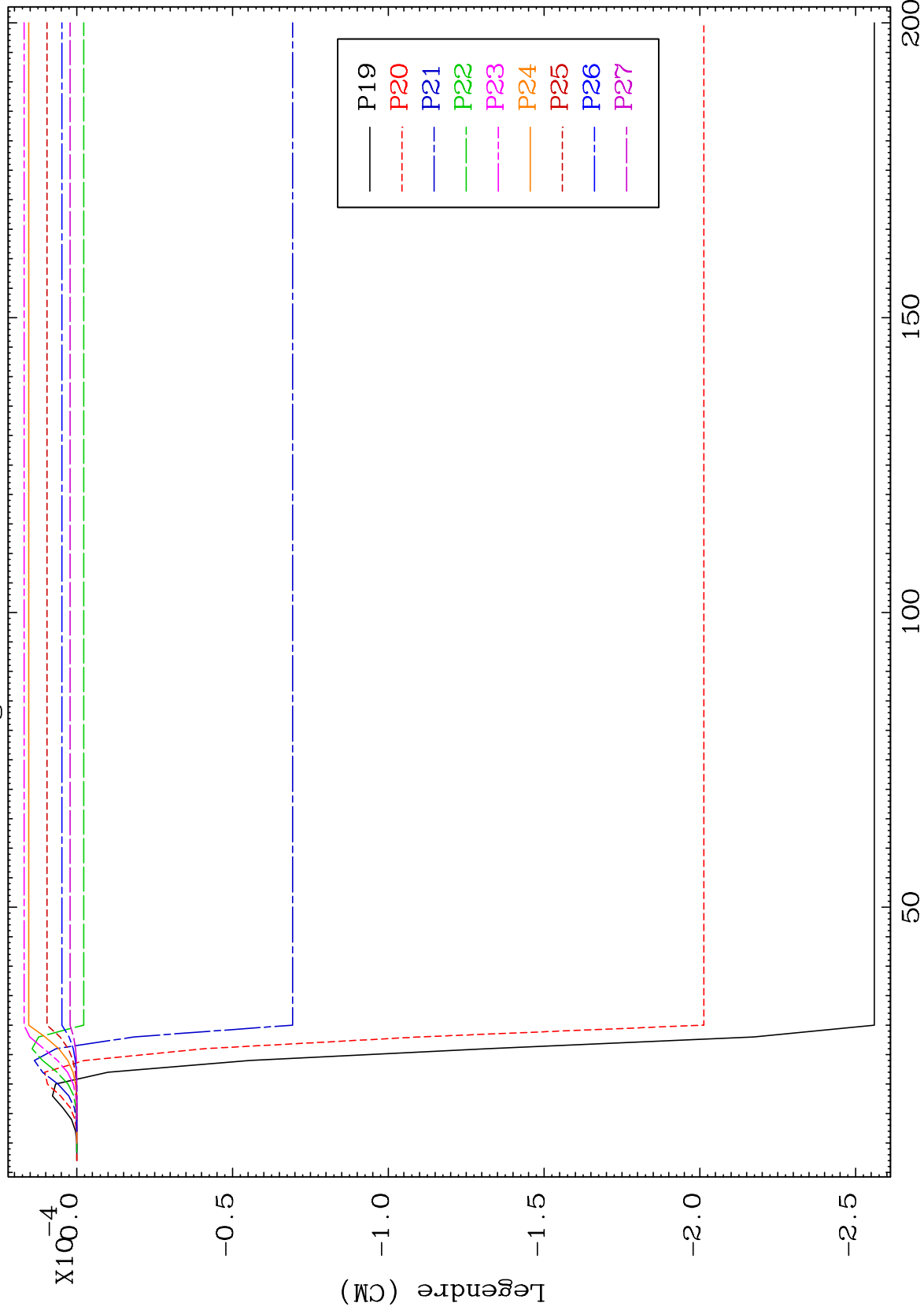
Incident Energy (MeV)

64-Gd-143

MAT 6398

152.6 keV (n,n') Level
Legendre Coefficients

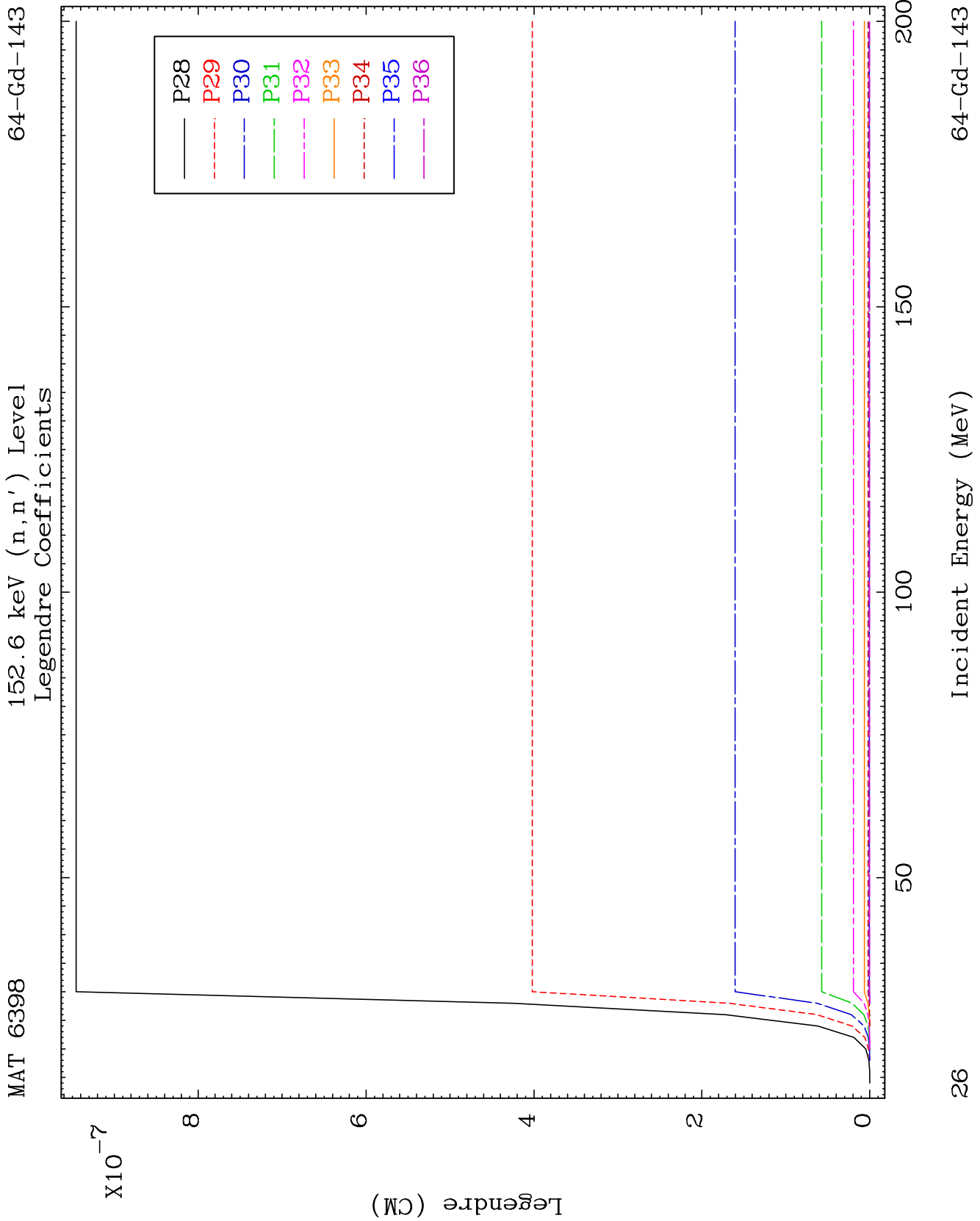
64-Gd-143



25

Incident Energy (MeV)

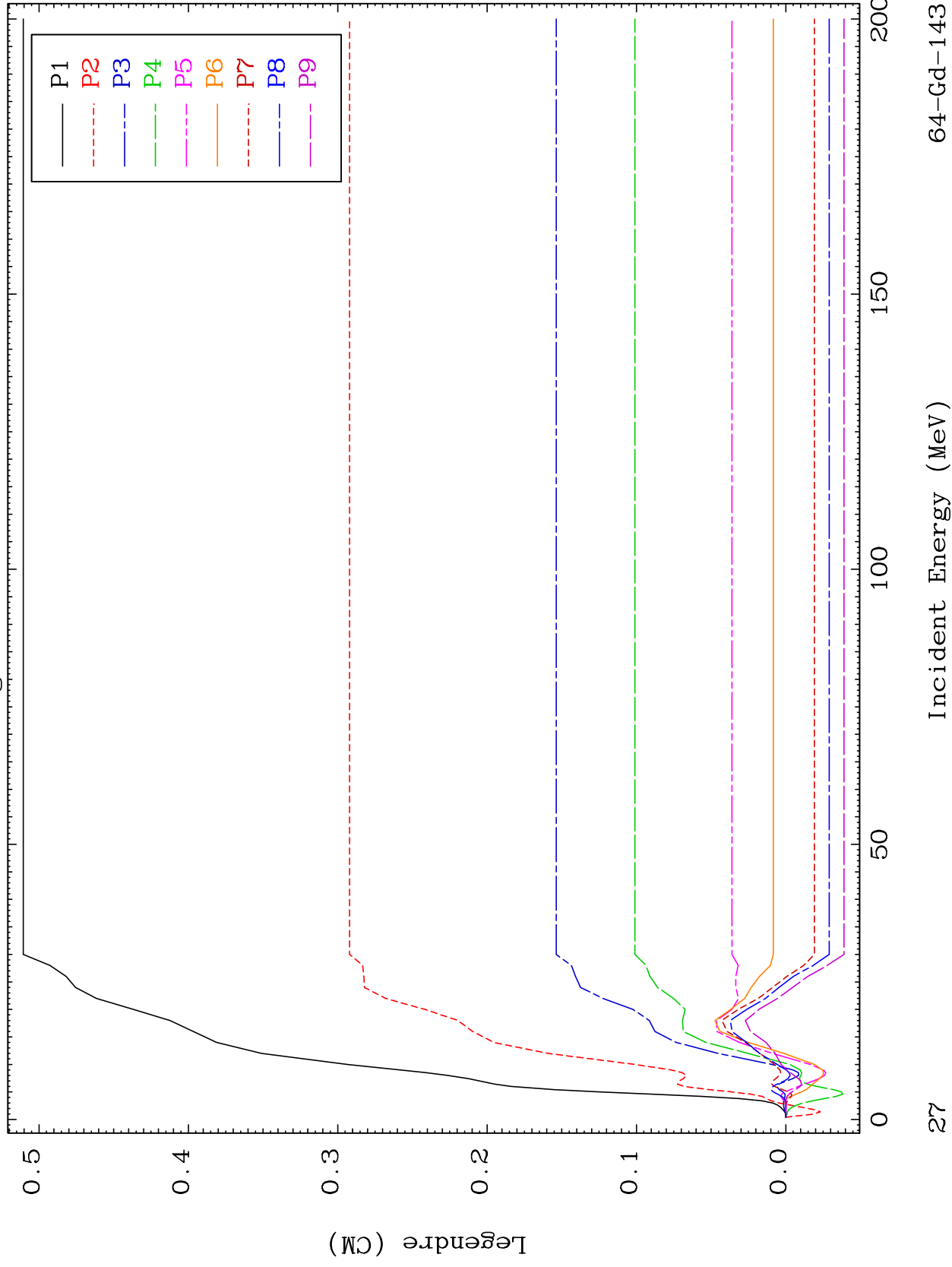
64-Gd-143



MAT 6398

354.3 keV (n,n') Level
Legendre Coefficients

64-Gd-143

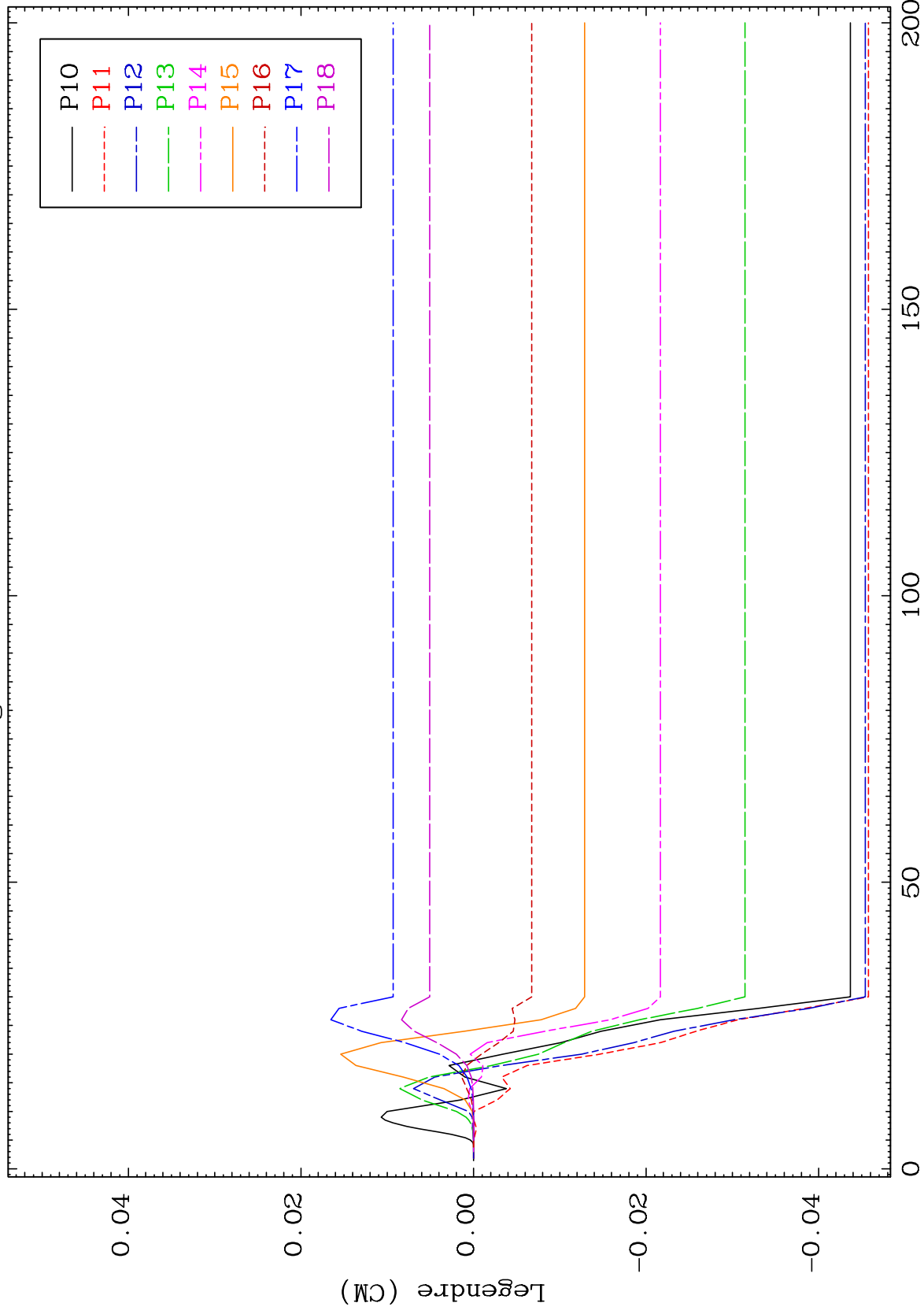


27

MAT 6398

354.3 keV (n,n') Level
Legendre Coefficients

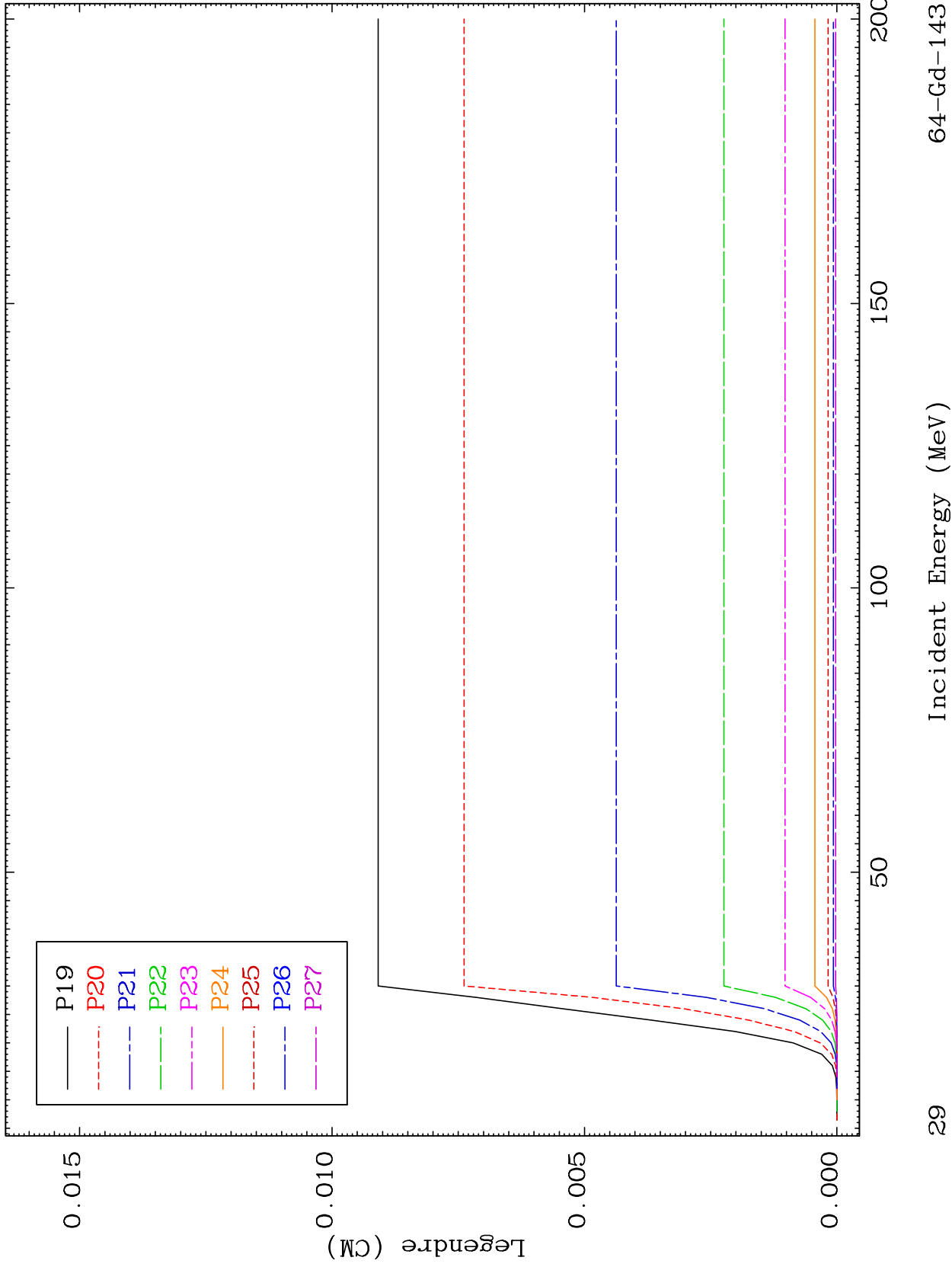
64-Gd-143



28

Incident Energy (MeV)

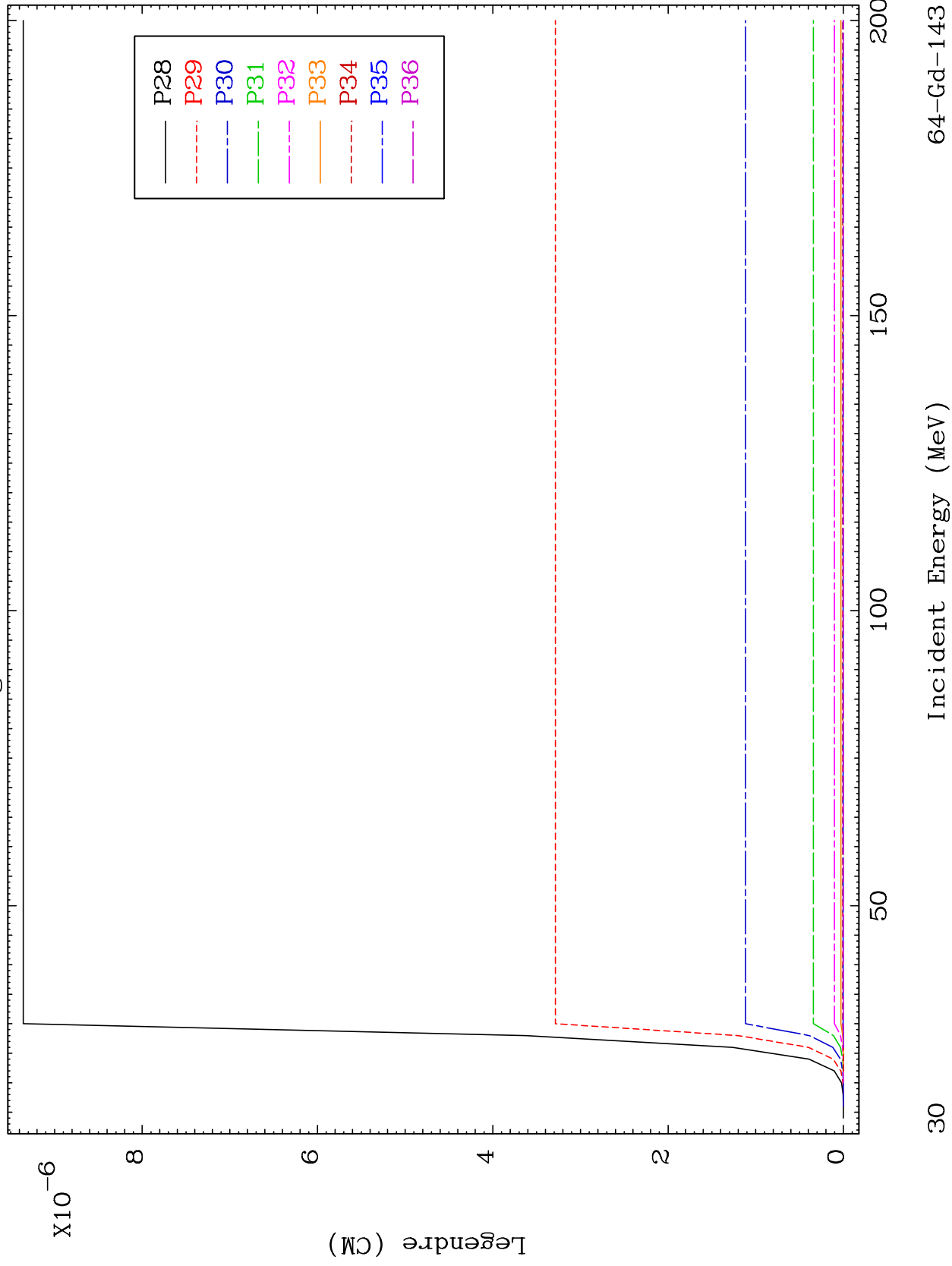
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MAT 6398

354.3 keV (n, n') Level
Legendre Coefficients

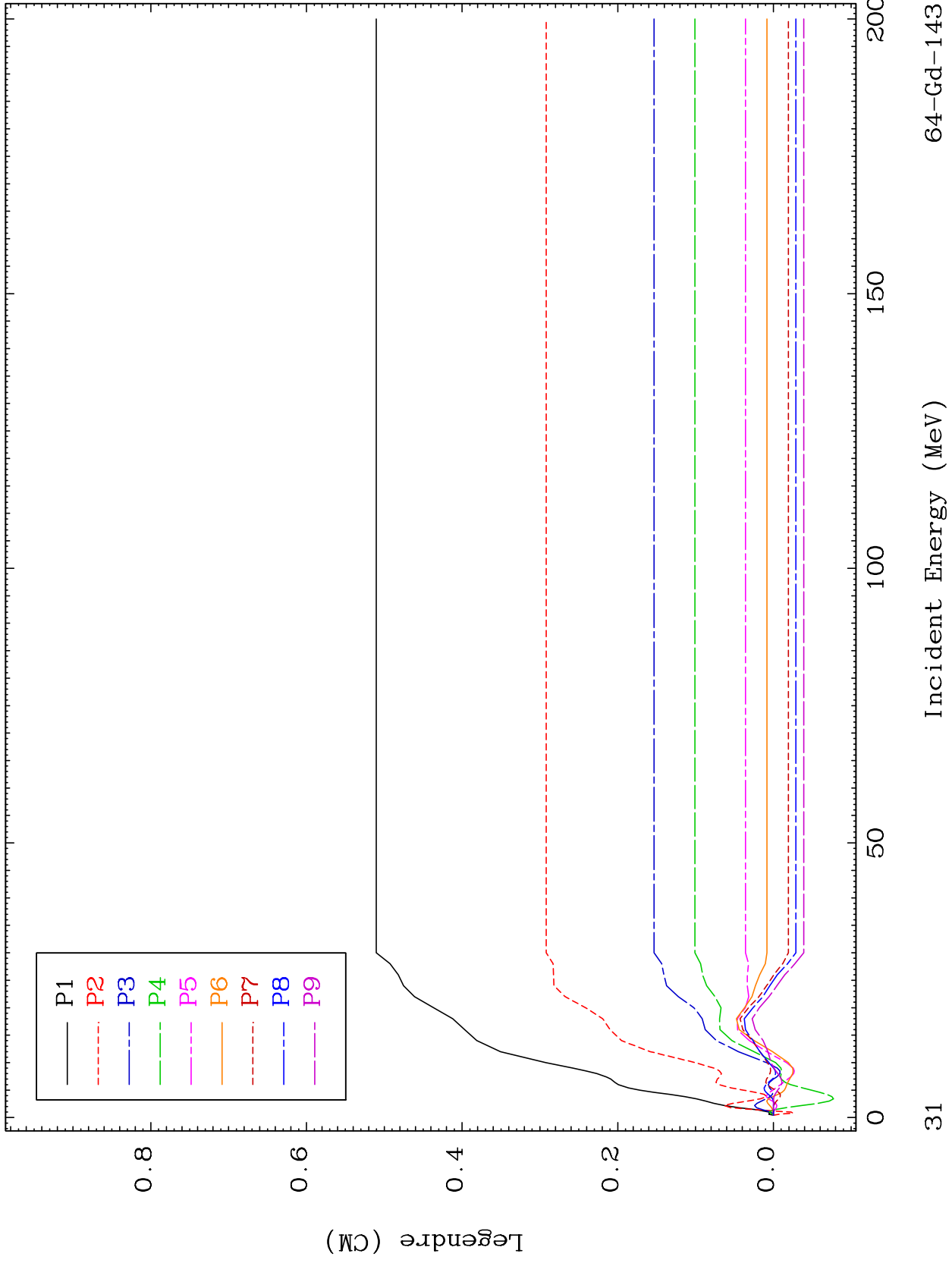
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MAT 6398

407.5 keV (n,n') Level
Legendre Coefficients

64-Gd-143



31

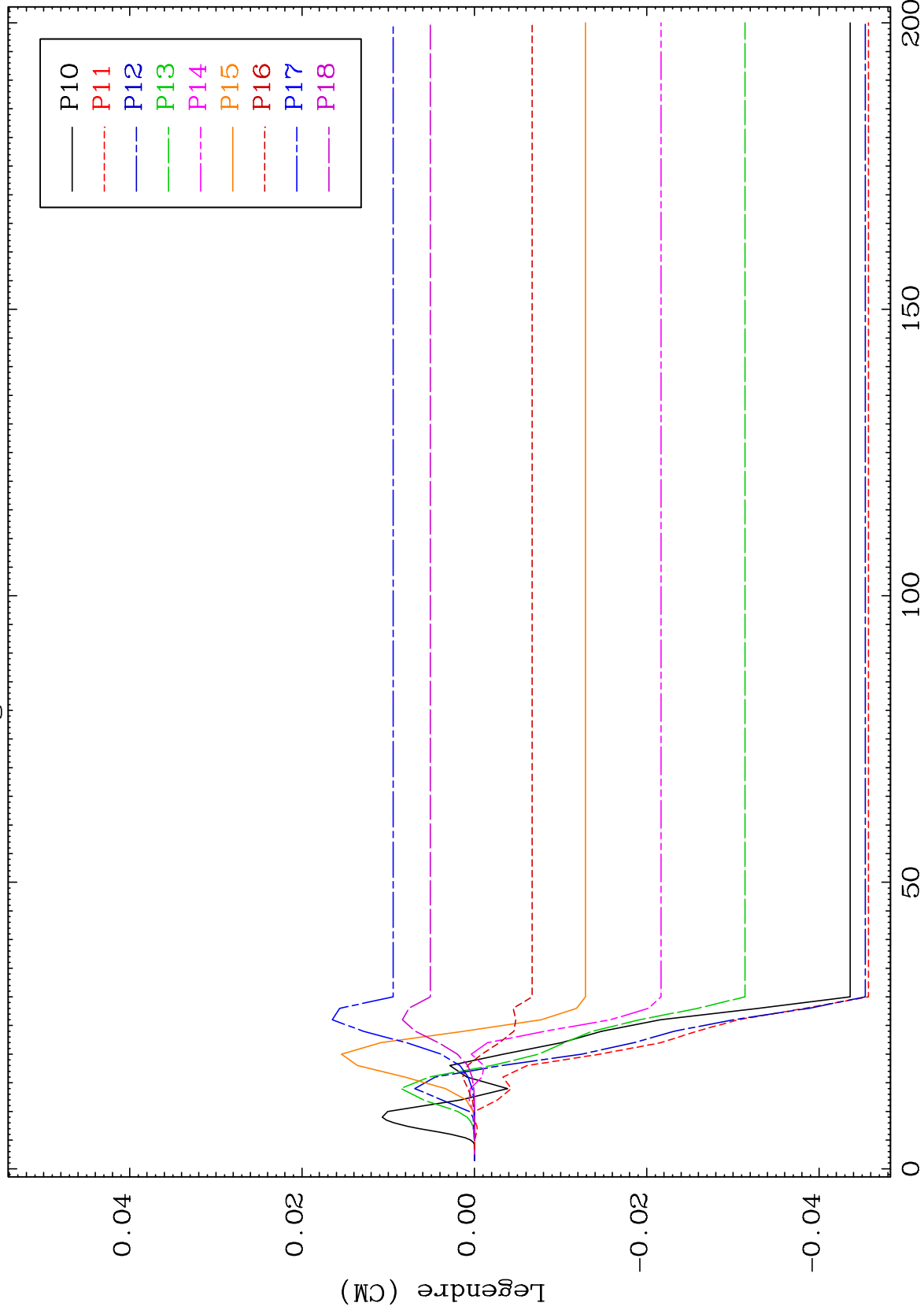
Incident Energy (MeV)

64-Gd-143

MAT 6398

407.5 keV (n,n') Level
Legendre Coefficients

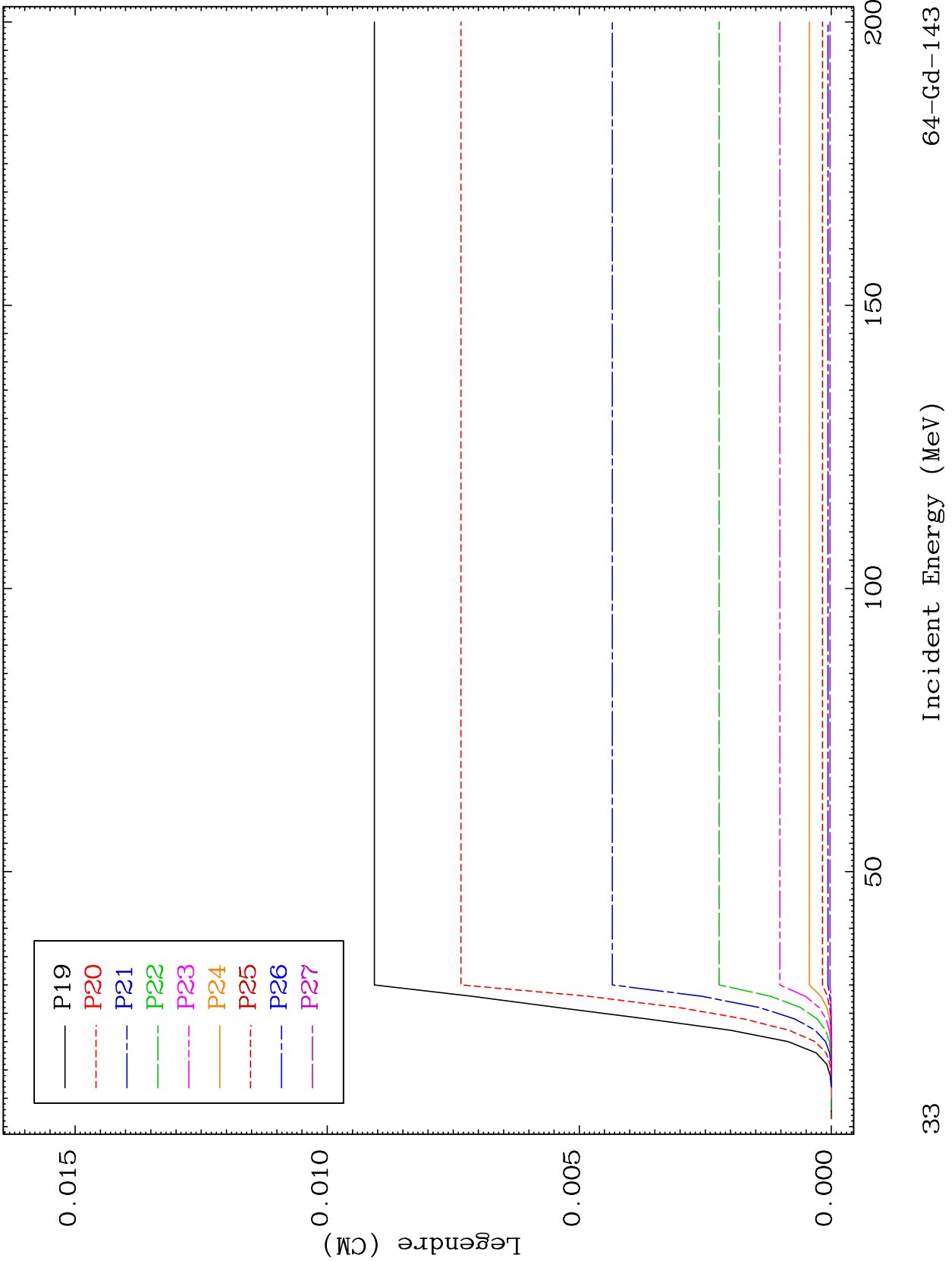
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32

Incident Energy (MeV)

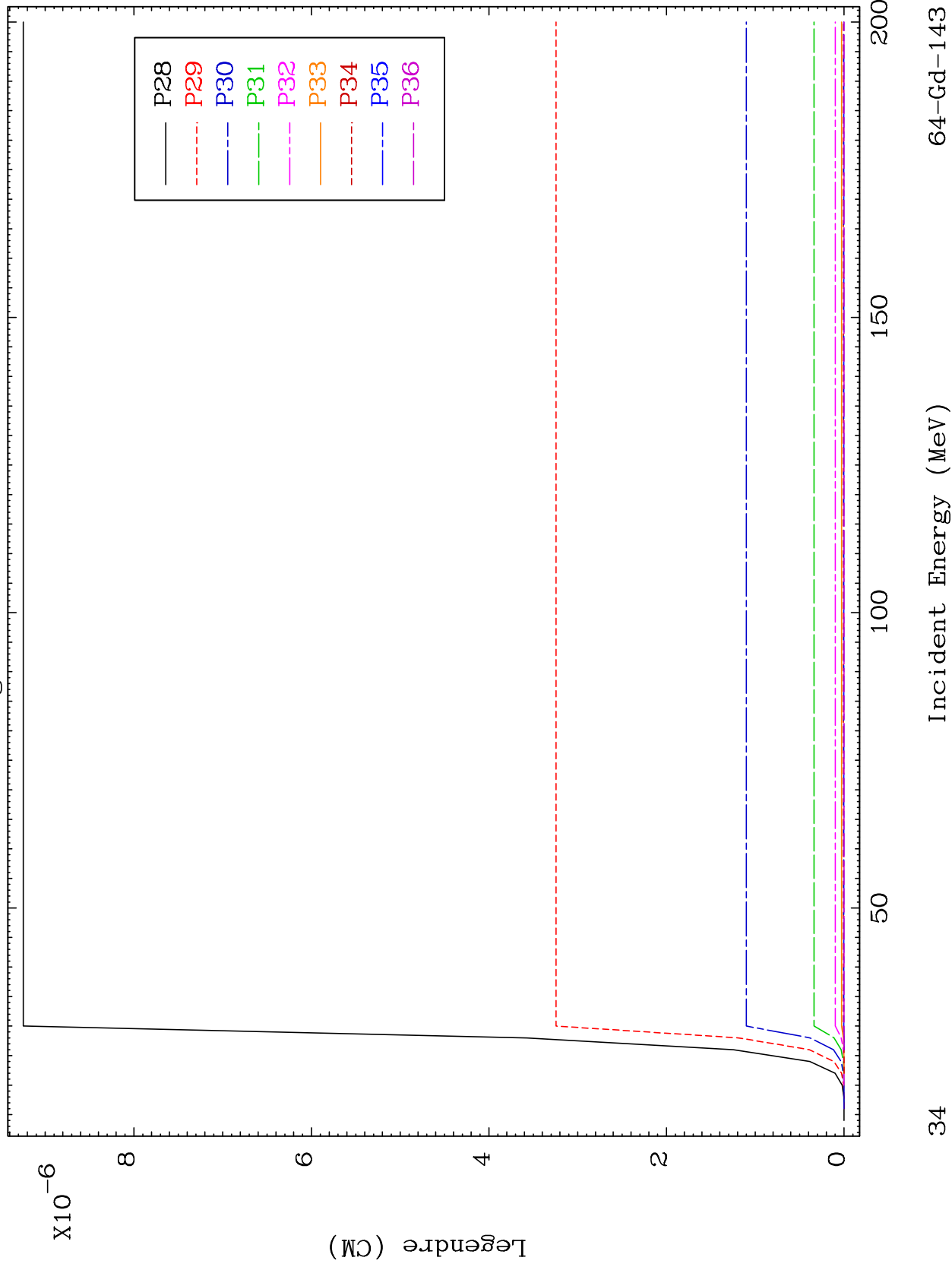
64-Gd-143



MAT 6398

407.5 keV (n,n') Level
Legendre Coefficients

64-Gd-143



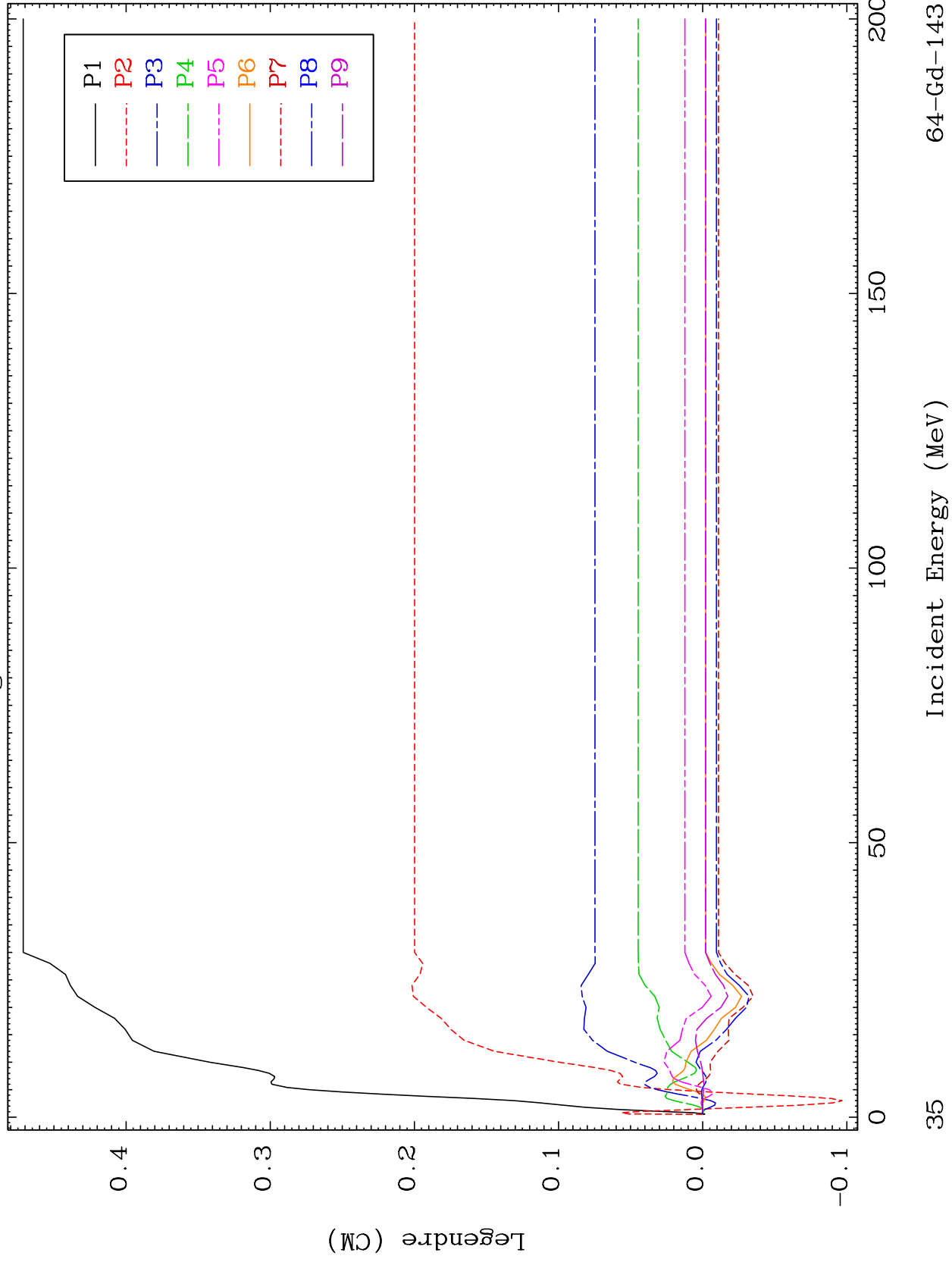
34

64-Gd-143

MAT 6398

493.1 keV (n,n') Level
Legendre Coefficients

64-Gd-143



64-Gd-143

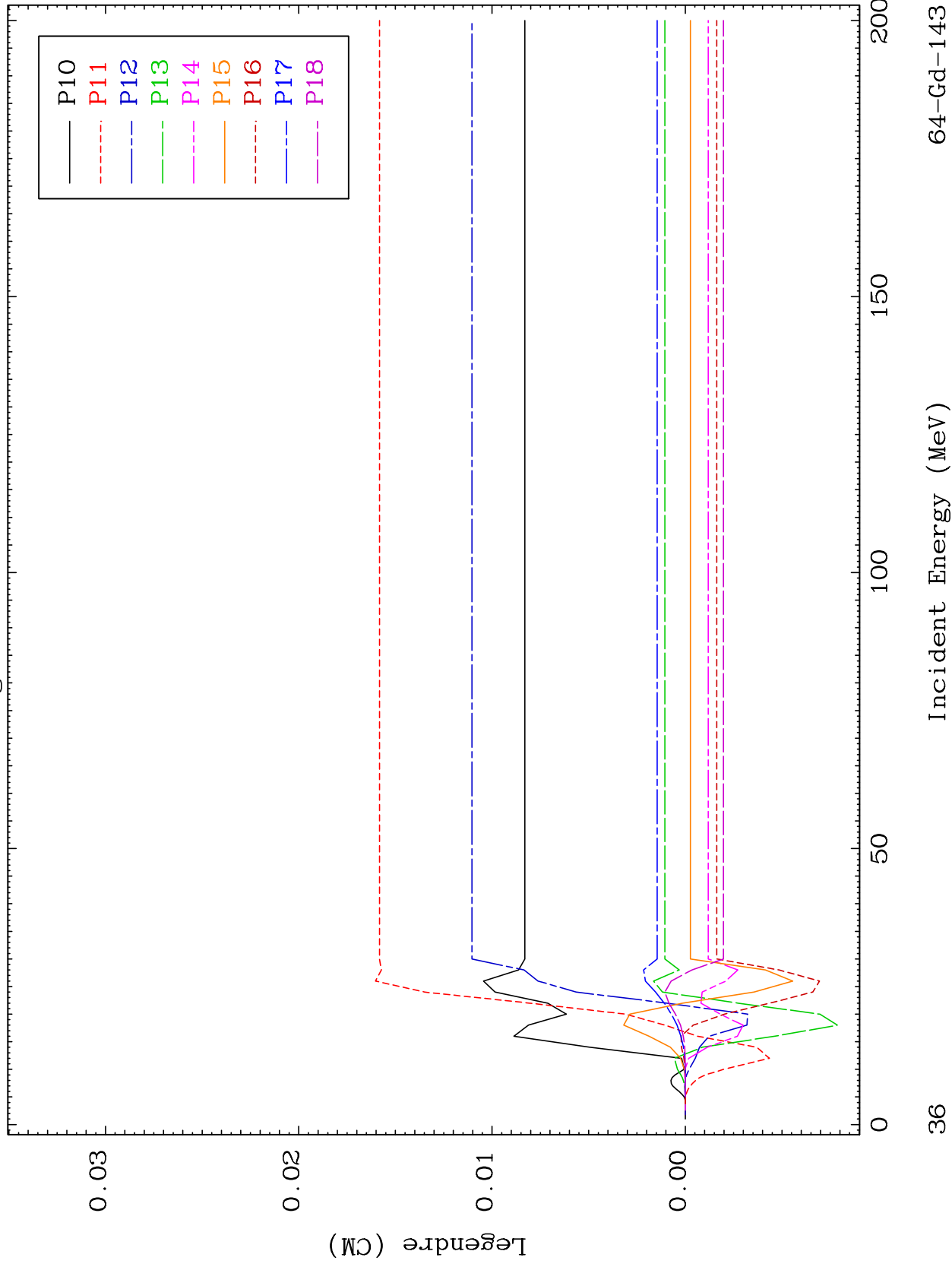
Incident Energy (MeV)

35

MAT 6398

493.1 keV (n,n') Level
Legendre Coefficients

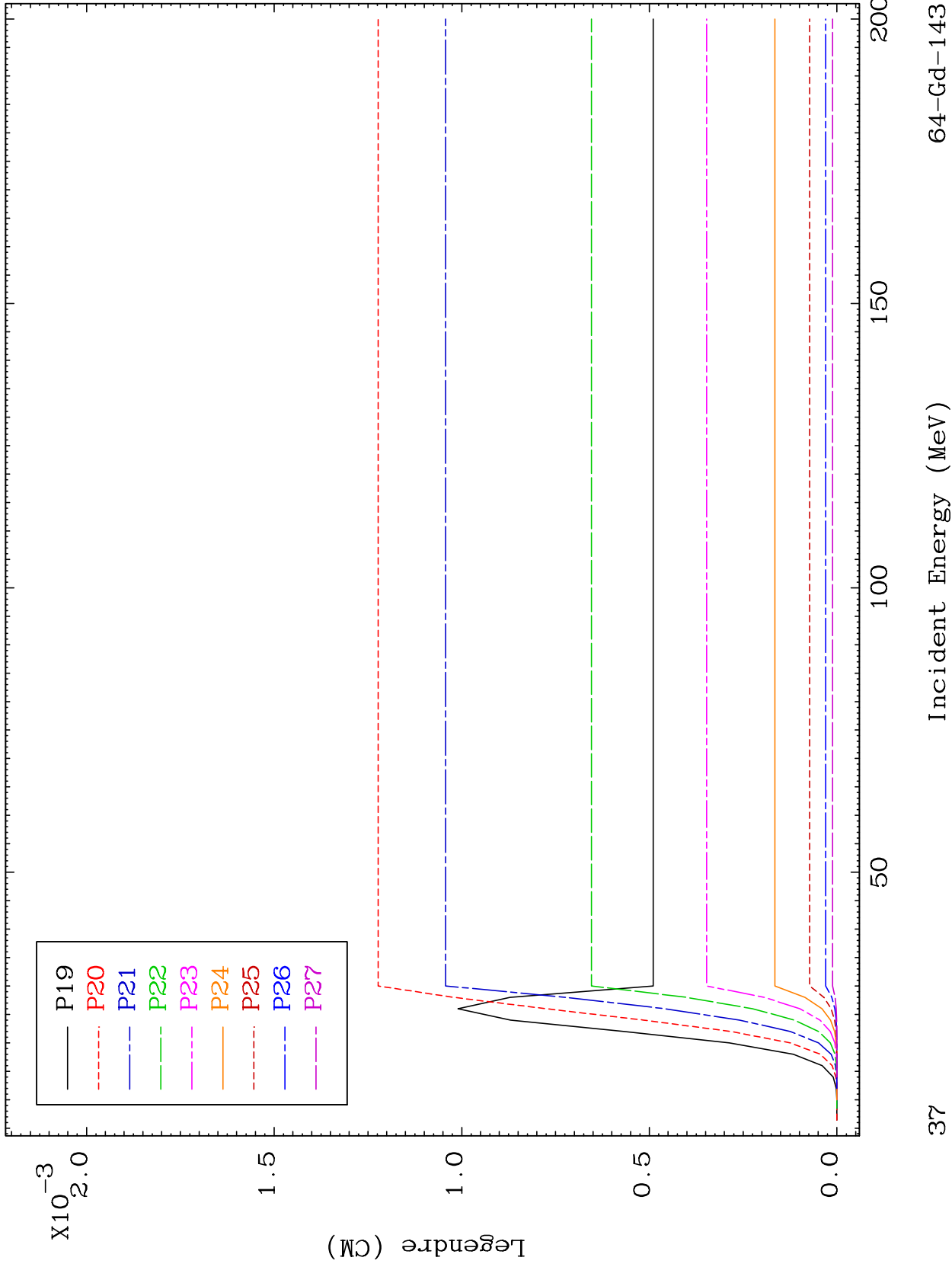
64-Gd-143



64-Gd-143

Incident Energy (MeV)

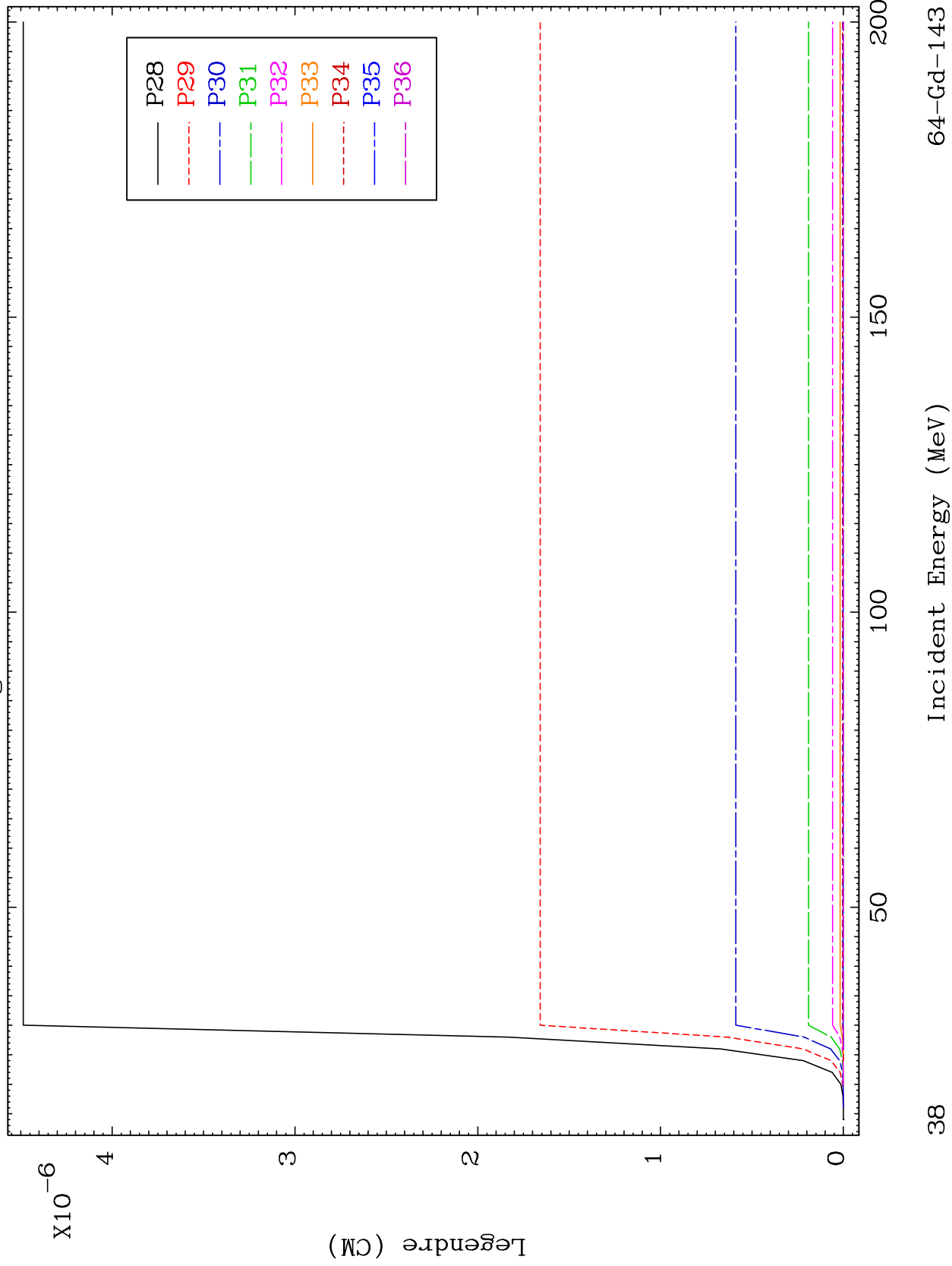
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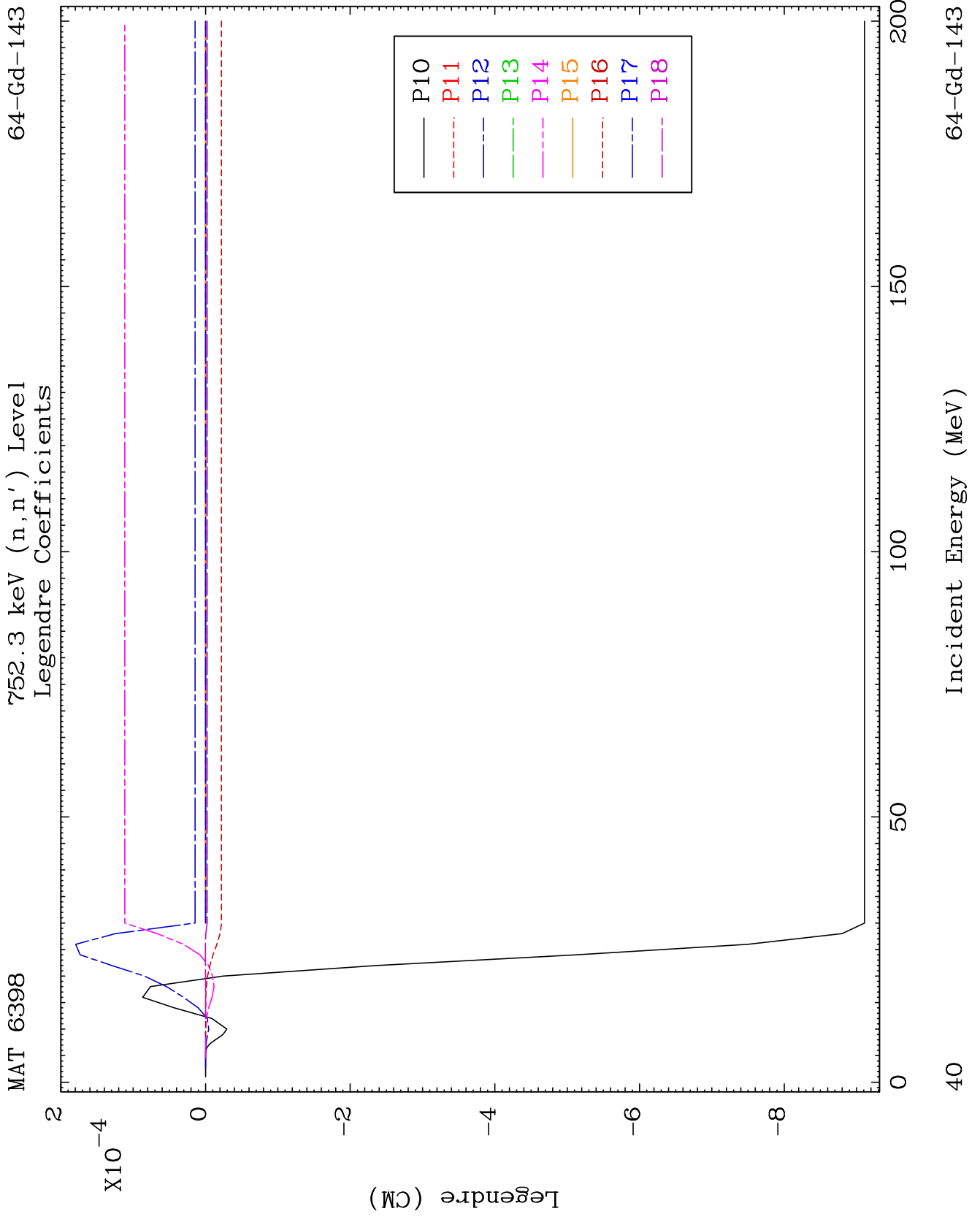
MAT 6398

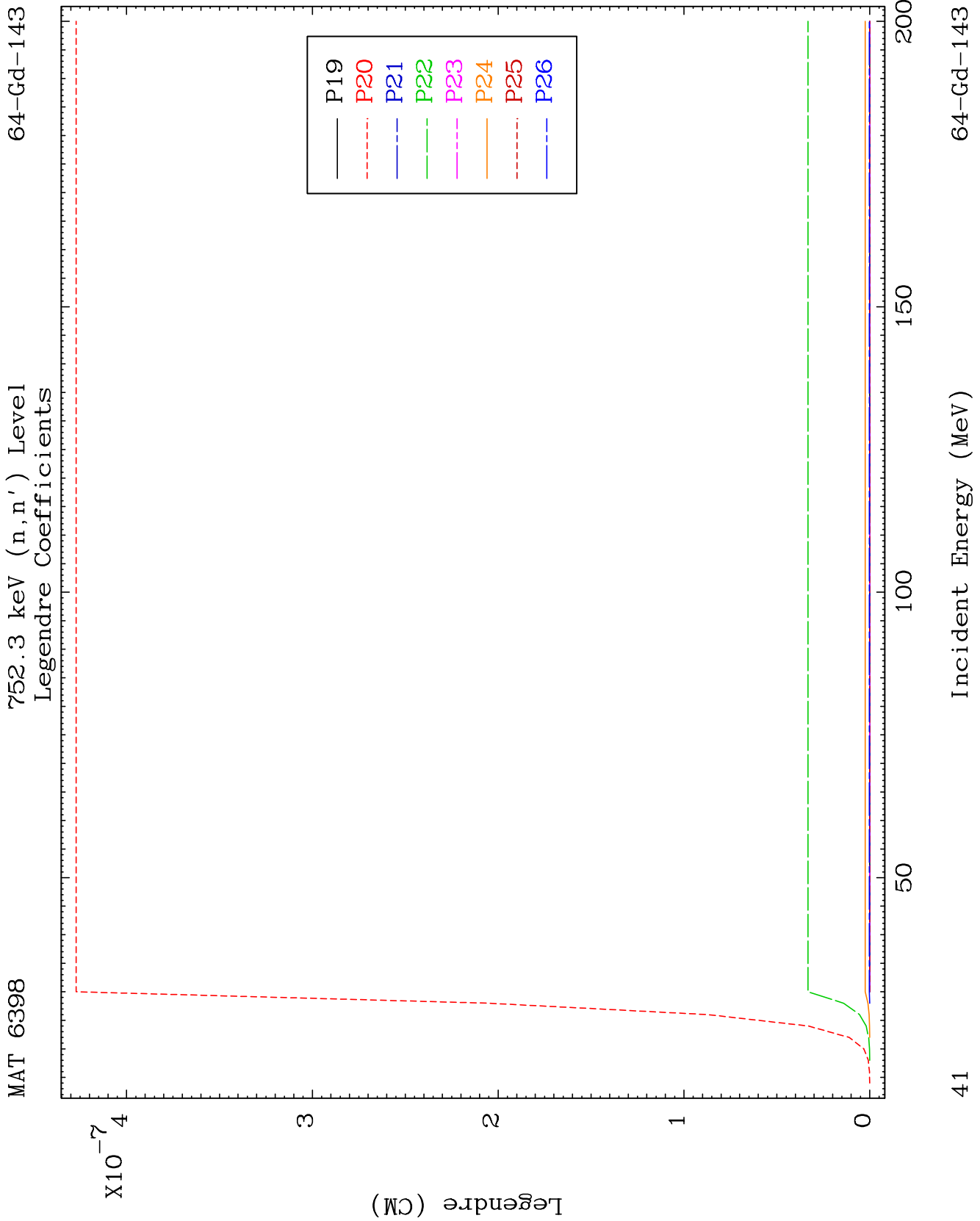
493.1 keV (n,n') Level
Legendre Coefficients

64-Gd-143



38

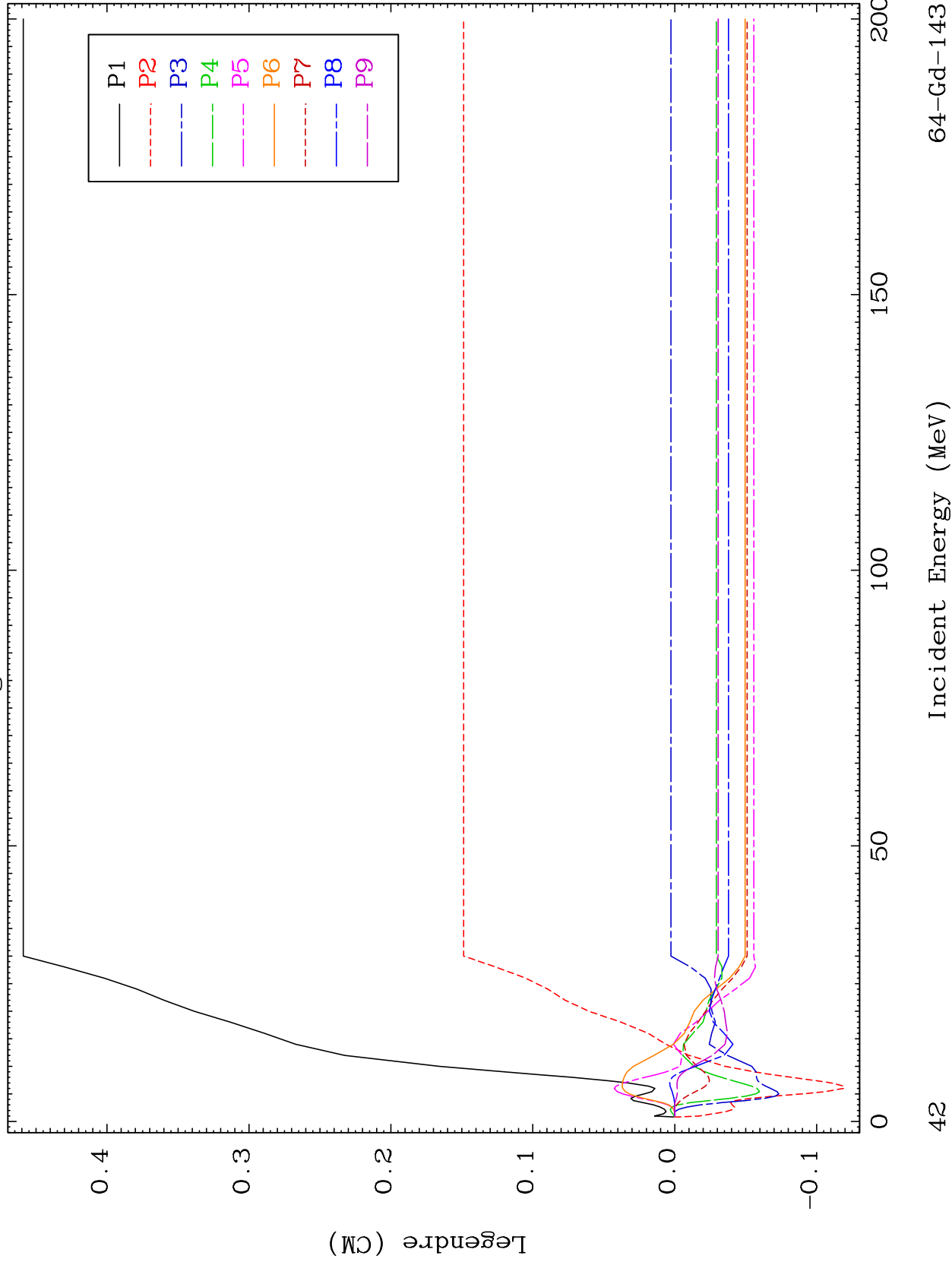




MAT 6398

787.9 keV (n,n') Level
Legendre Coefficients

64-Gd-143



64-Gd-143

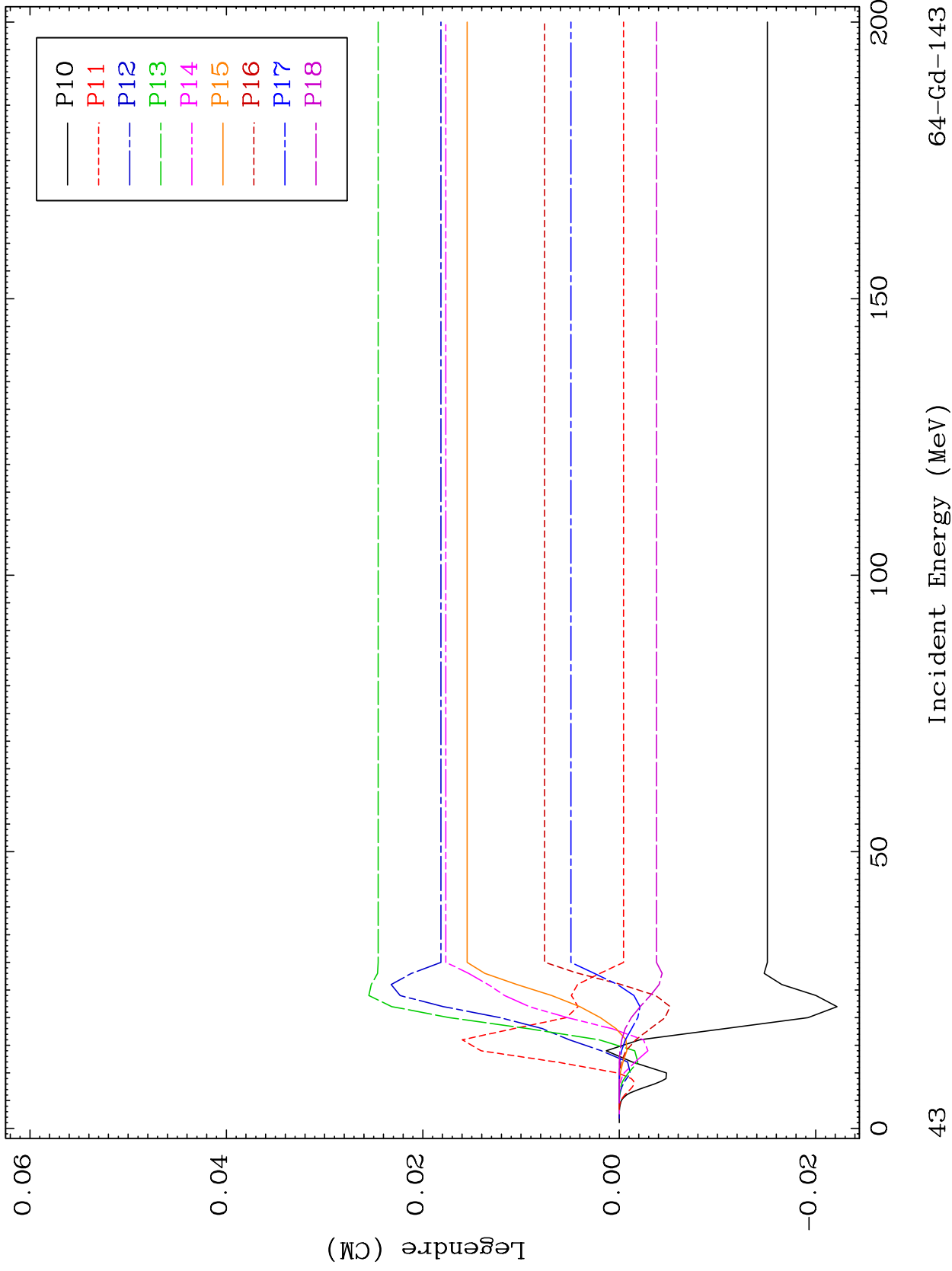
Incident Energy (MeV)

42

MAT 6398

787.9 keV (n,n') Level
Legendre Coefficients

64-Gd-143



64-Gd-143

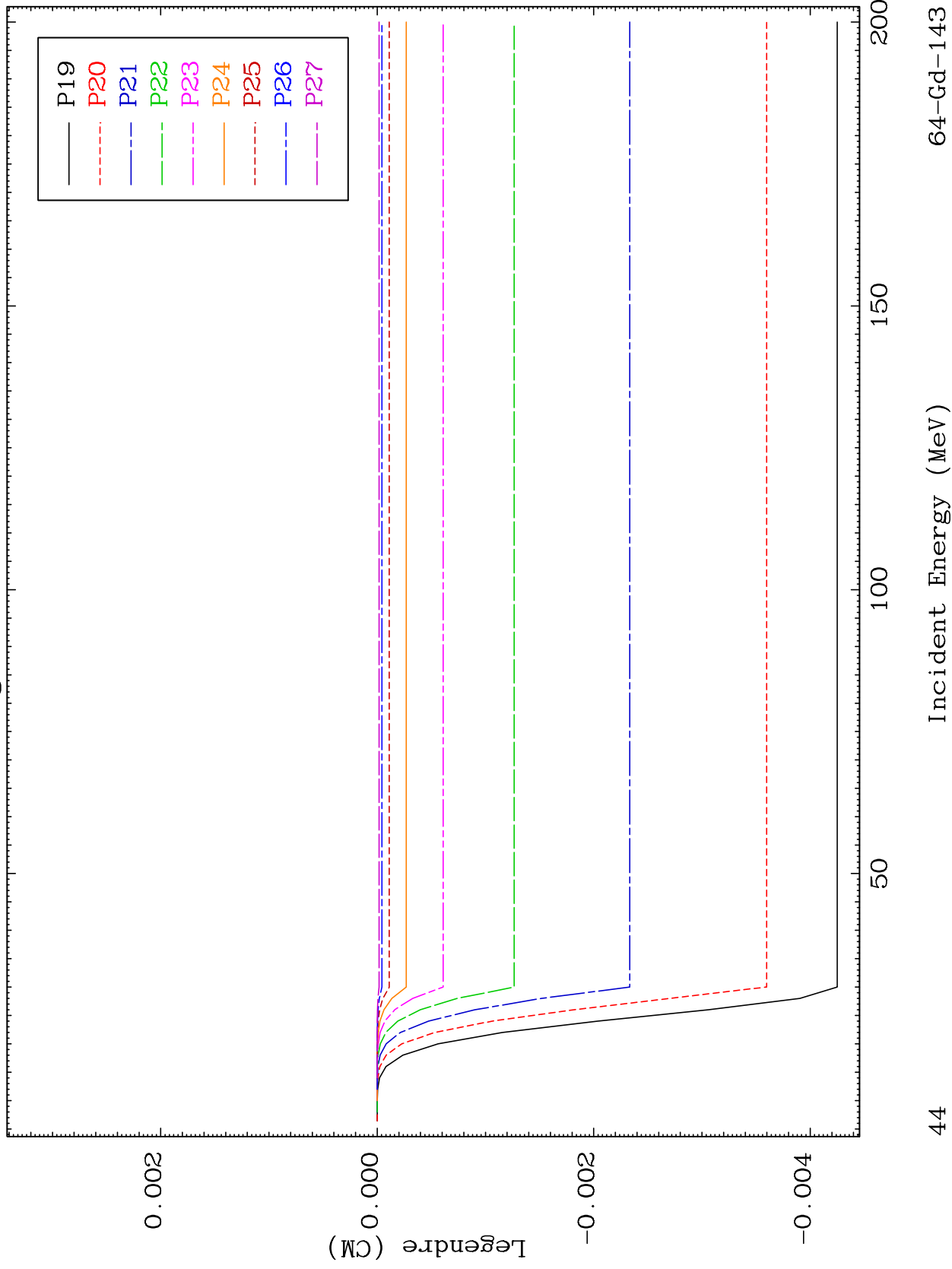
Incident Energy (MeV)

43

MAT 6398

787.9 keV (n,n') Level
Legendre Coefficients

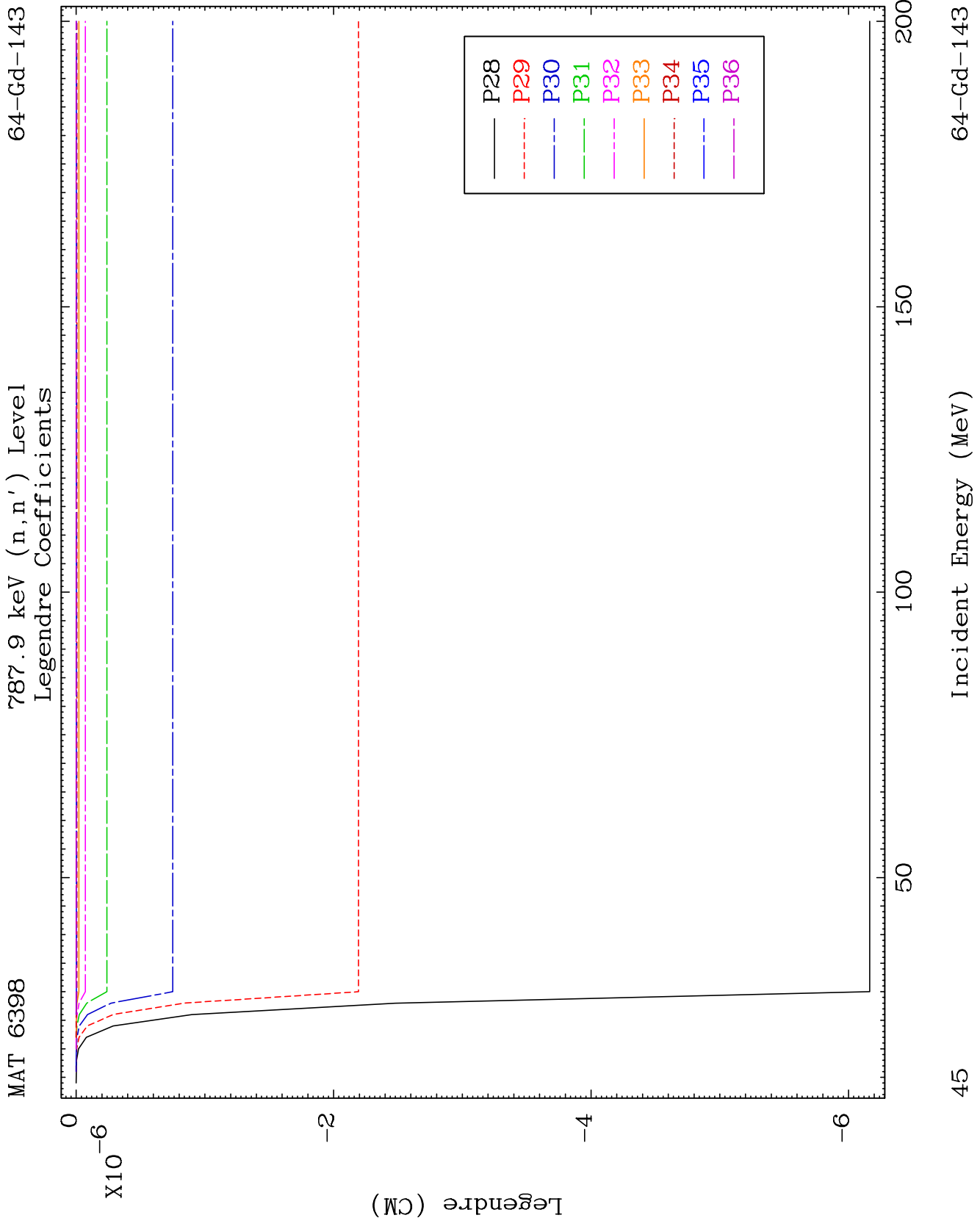
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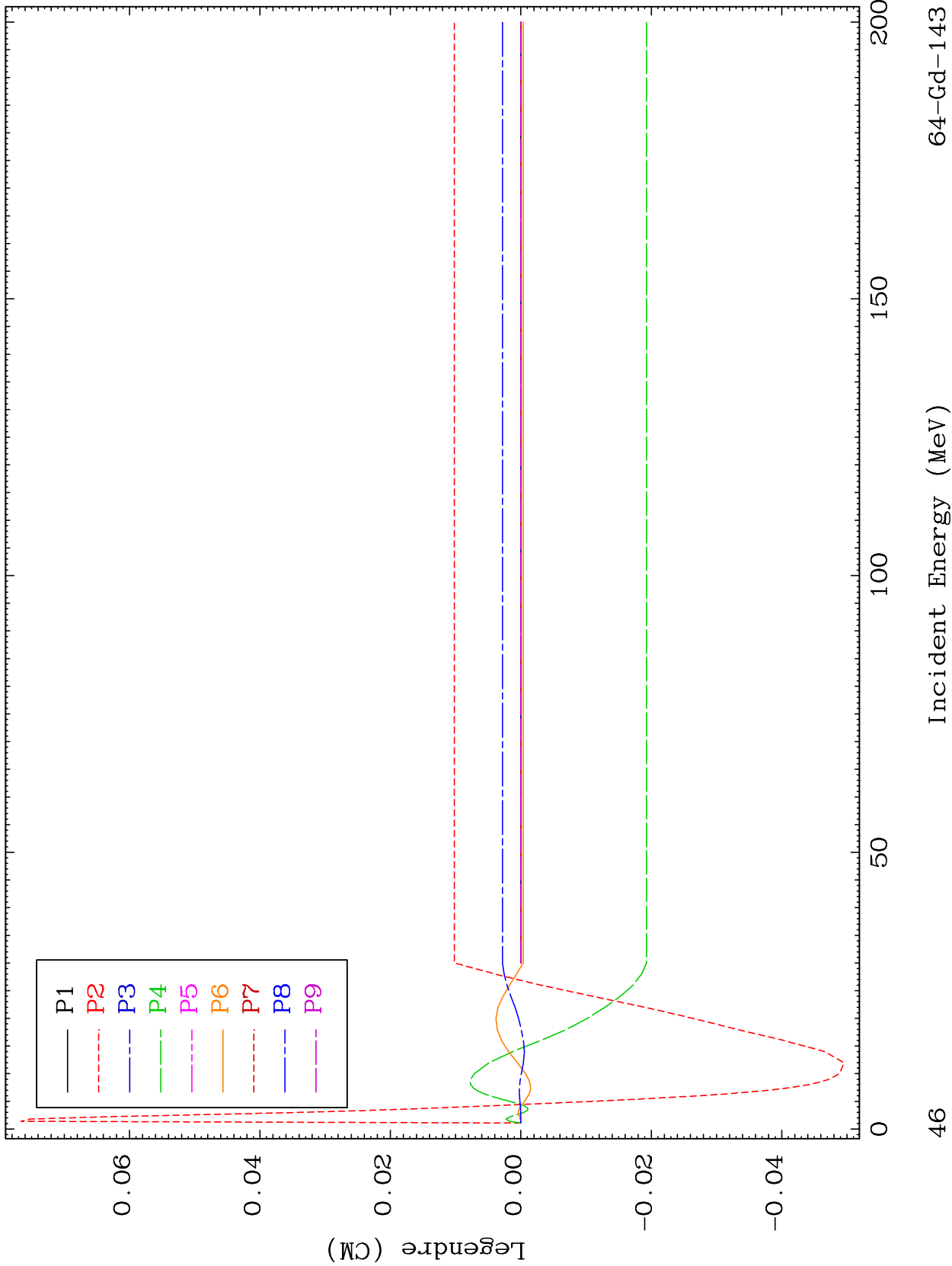


44

Incident Energy (MeV)

64-Gd-143

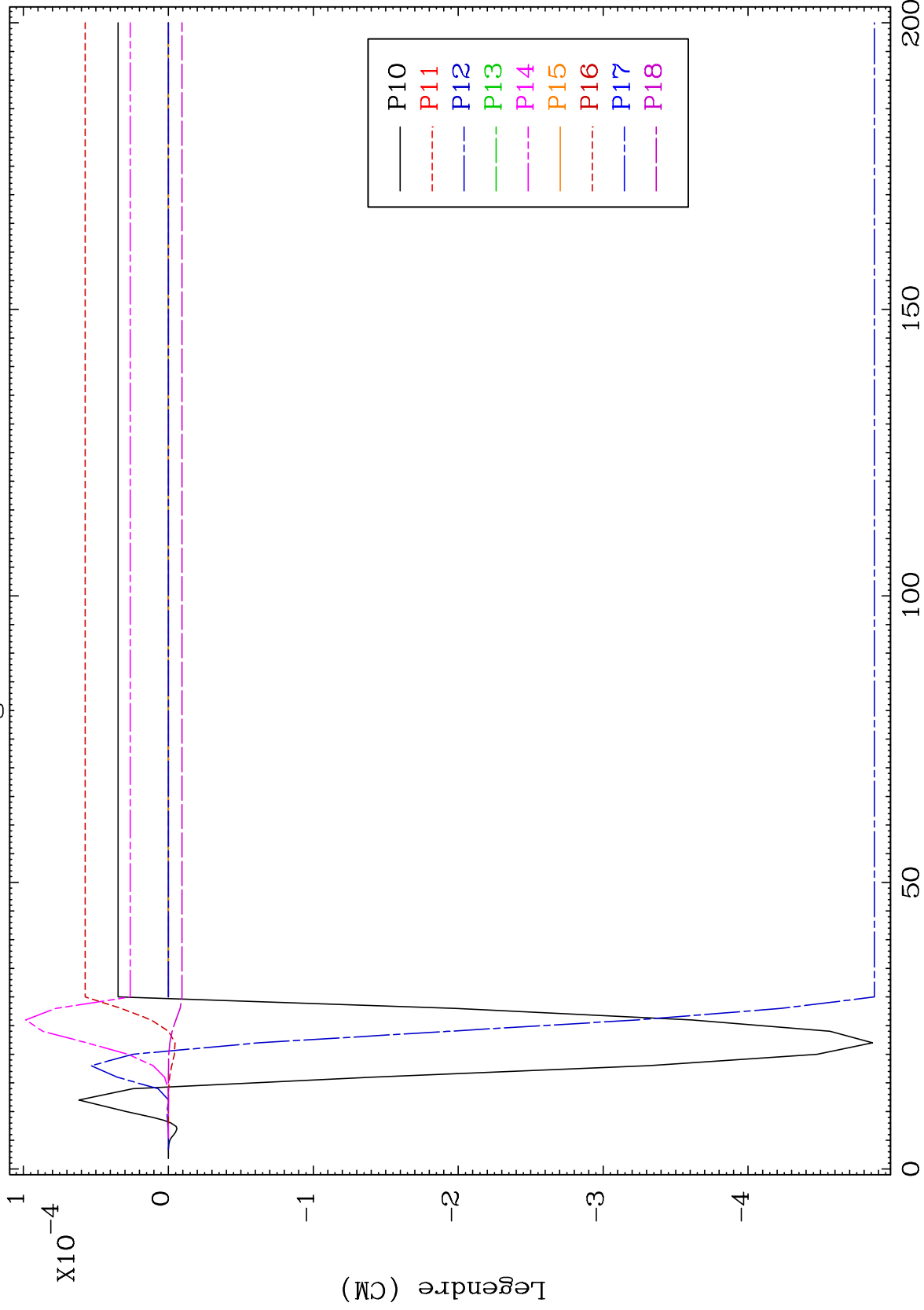




MAT 6398

1.077 MeV (n,n') Level
Legendre Coefficients

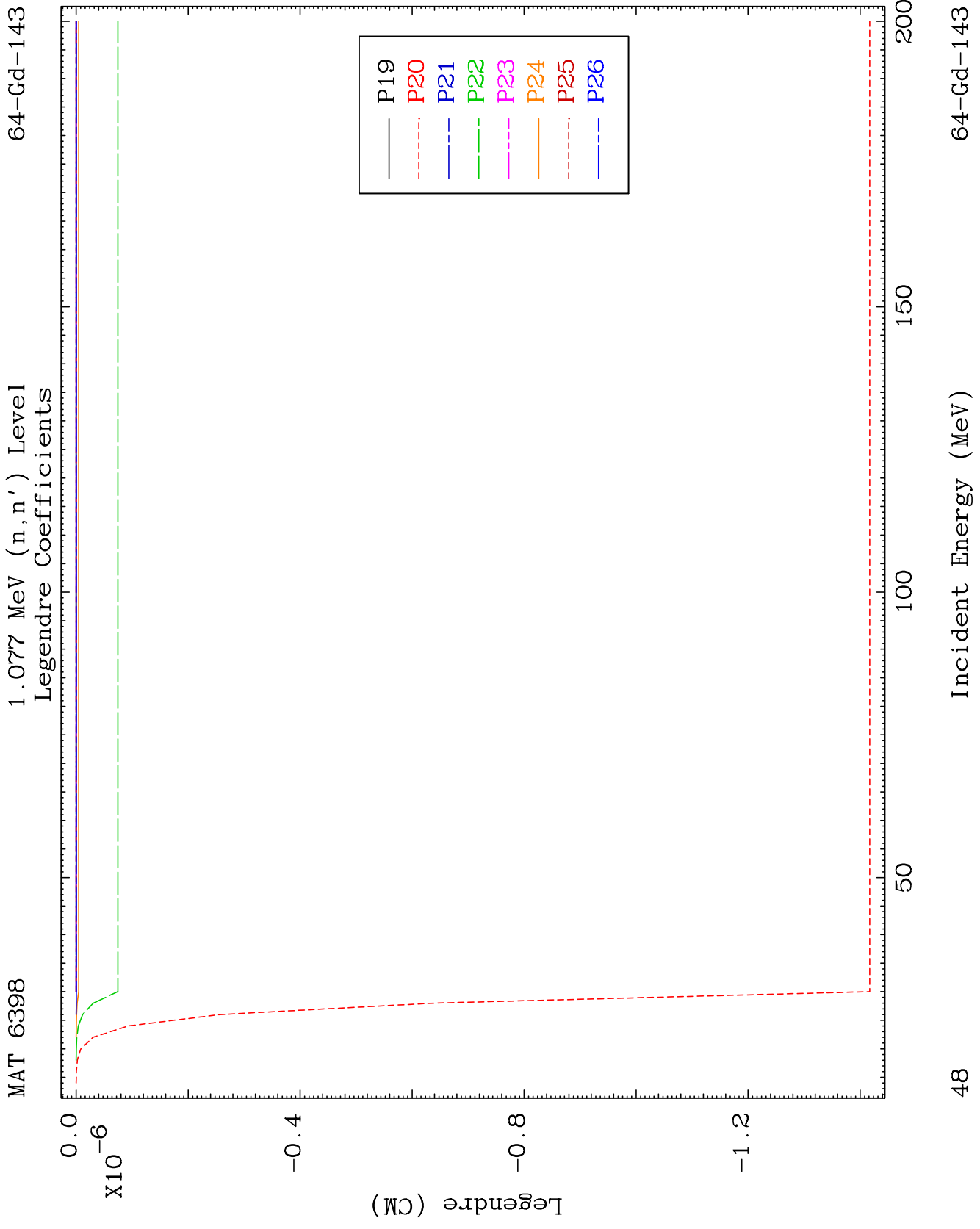
64-Gd-143



47

Incident Energy (MeV)

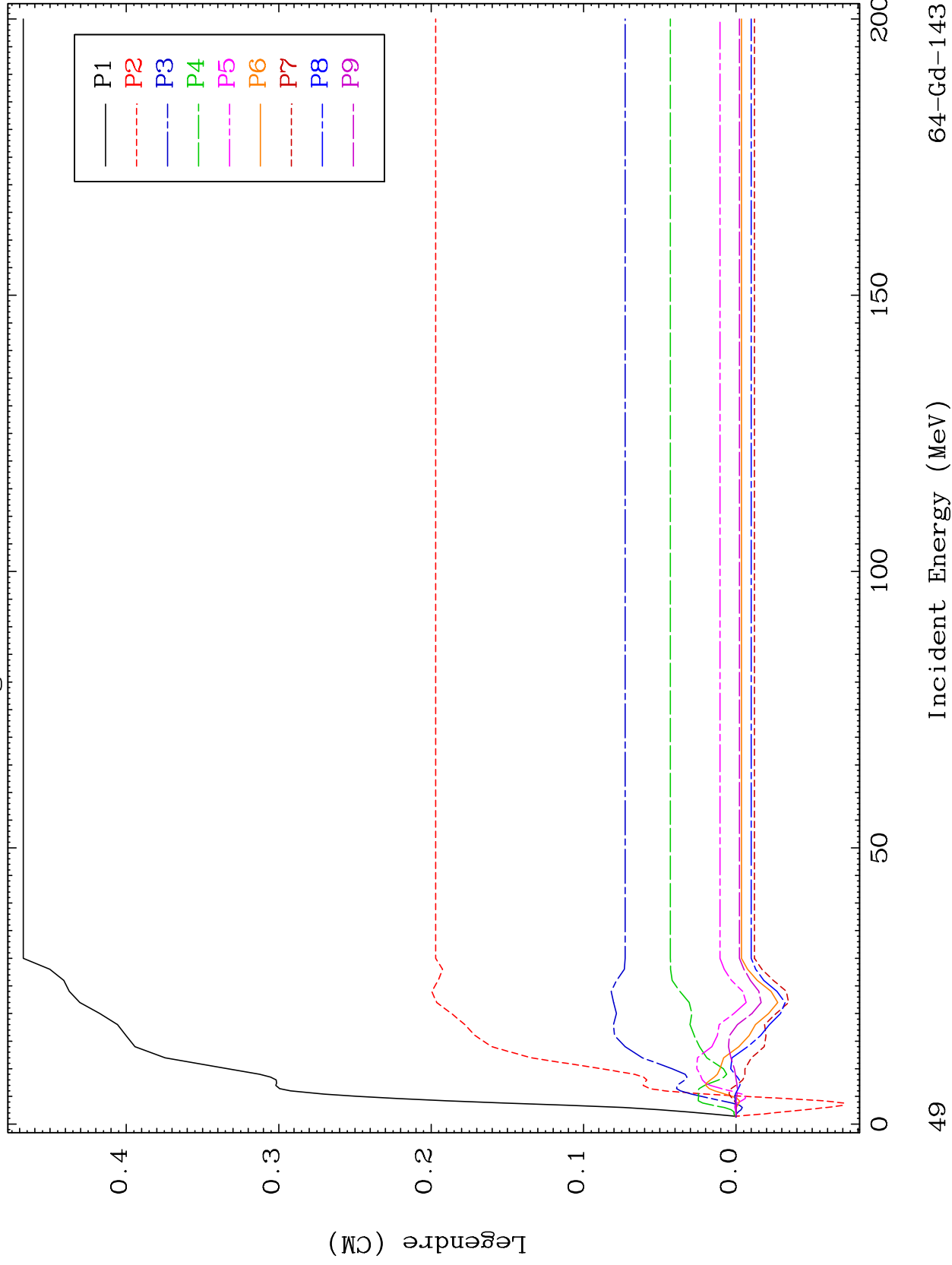
64-Gd-143



MAT 6398

1.251 MeV (n,n') Level
Legendre Coefficients

64-Gd-143



64-Gd-143

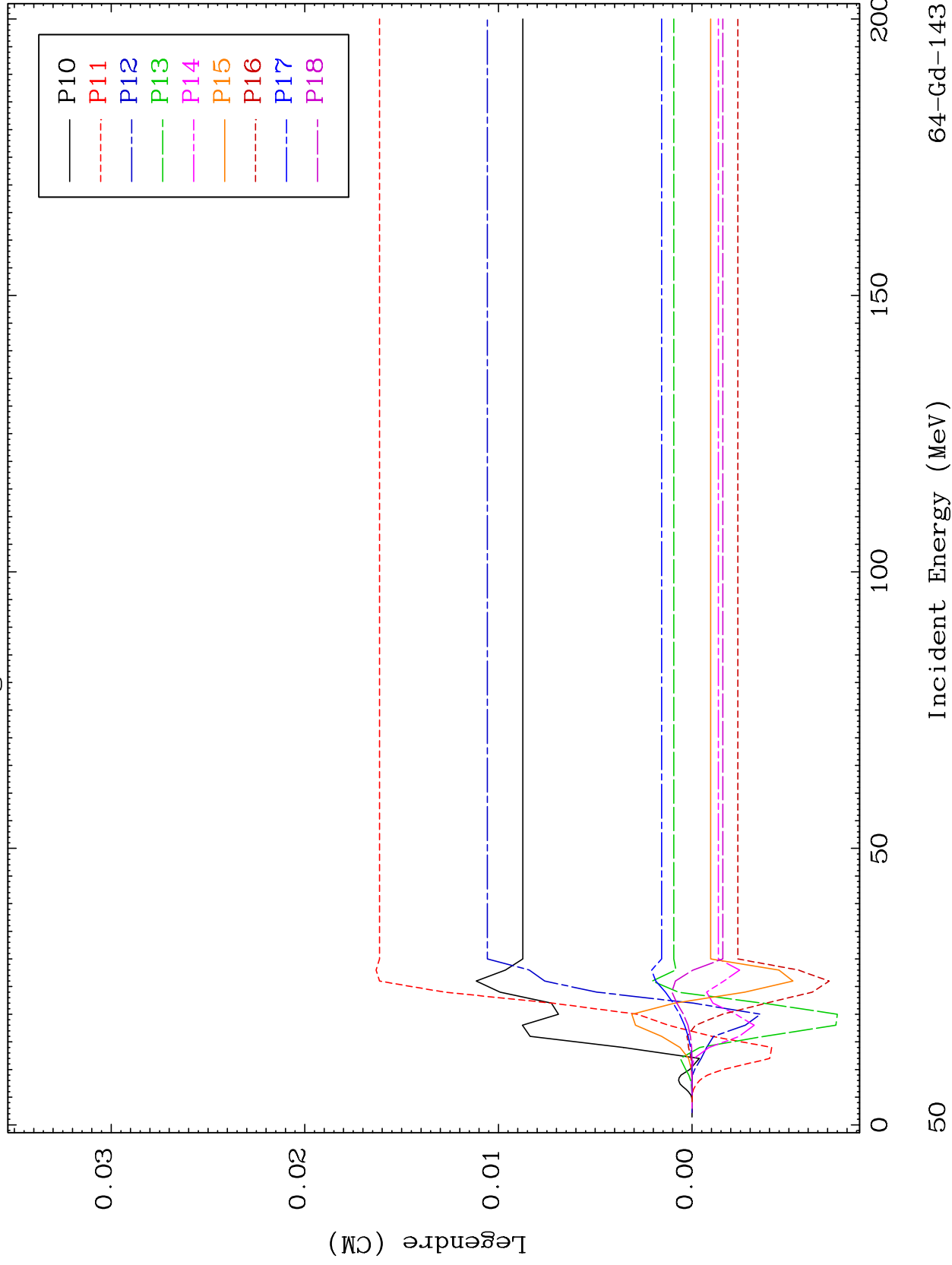
Incident Energy (MeV)

49

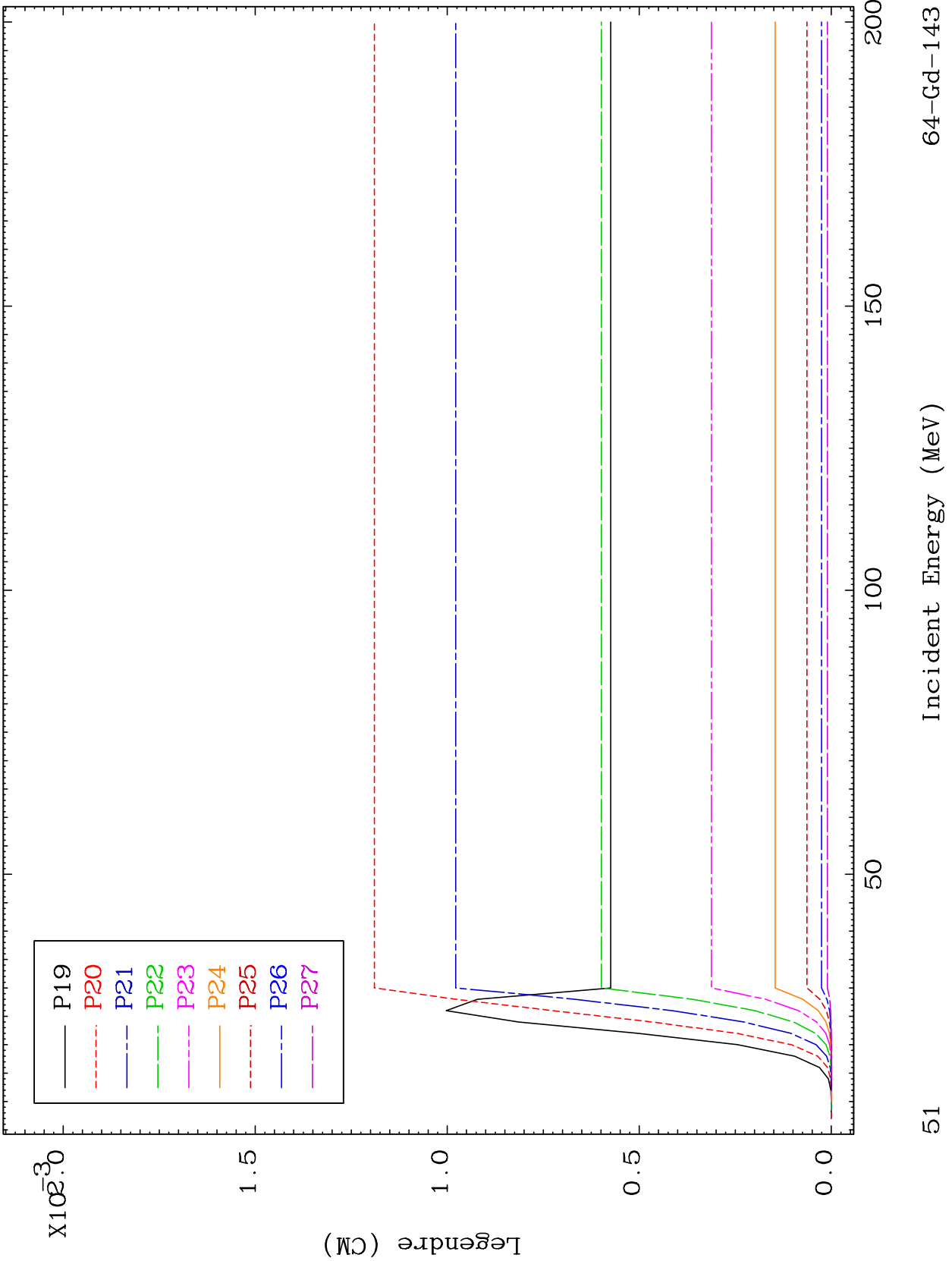
MAT 6398

1.251 MeV (n,n') Level
Legendre Coefficients

64-Gd-143



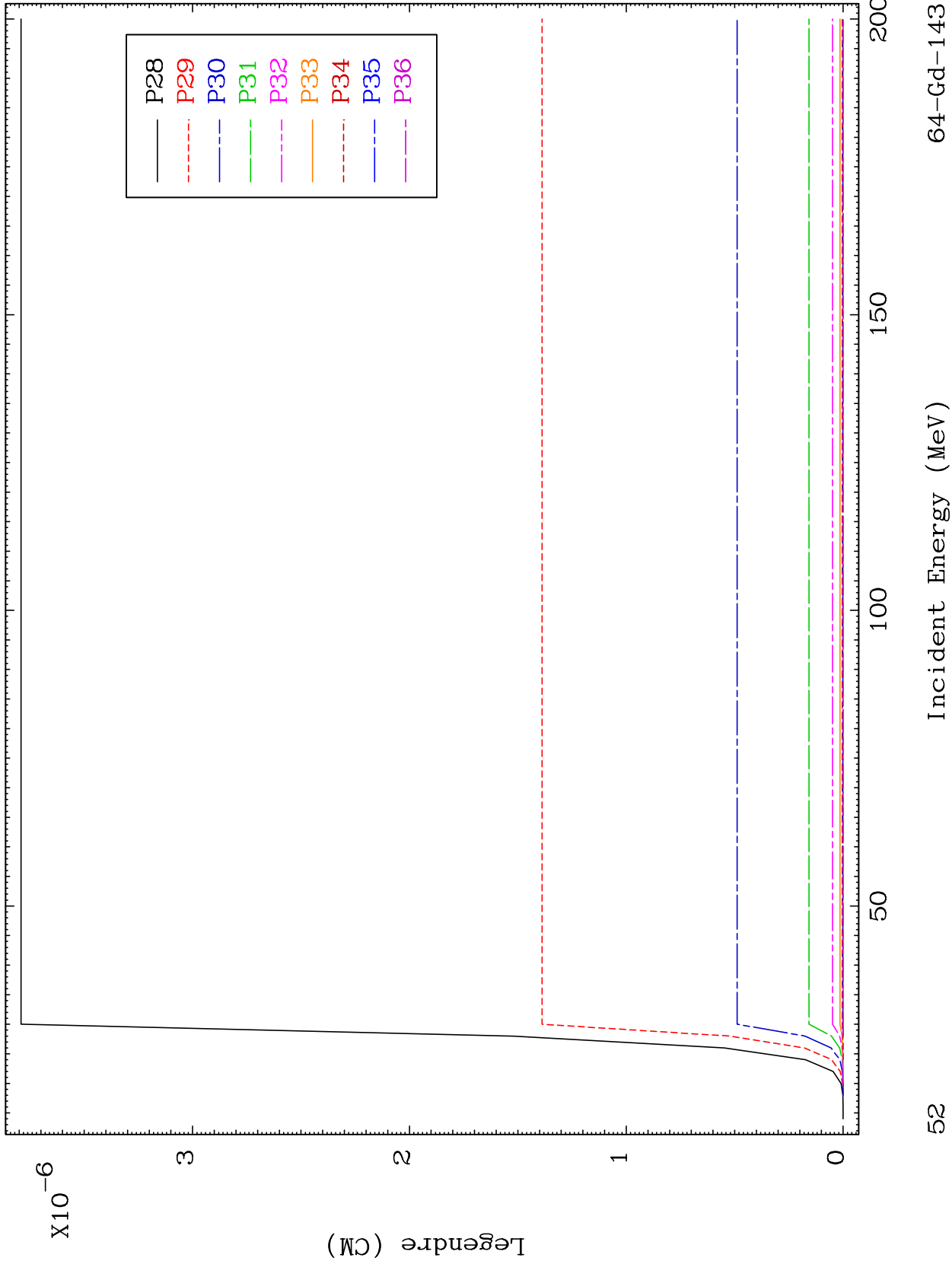
64-Gd-143



MAT 6398

1.251 MeV (n,n') Level
Legendre Coefficients

64-Gd-143



52

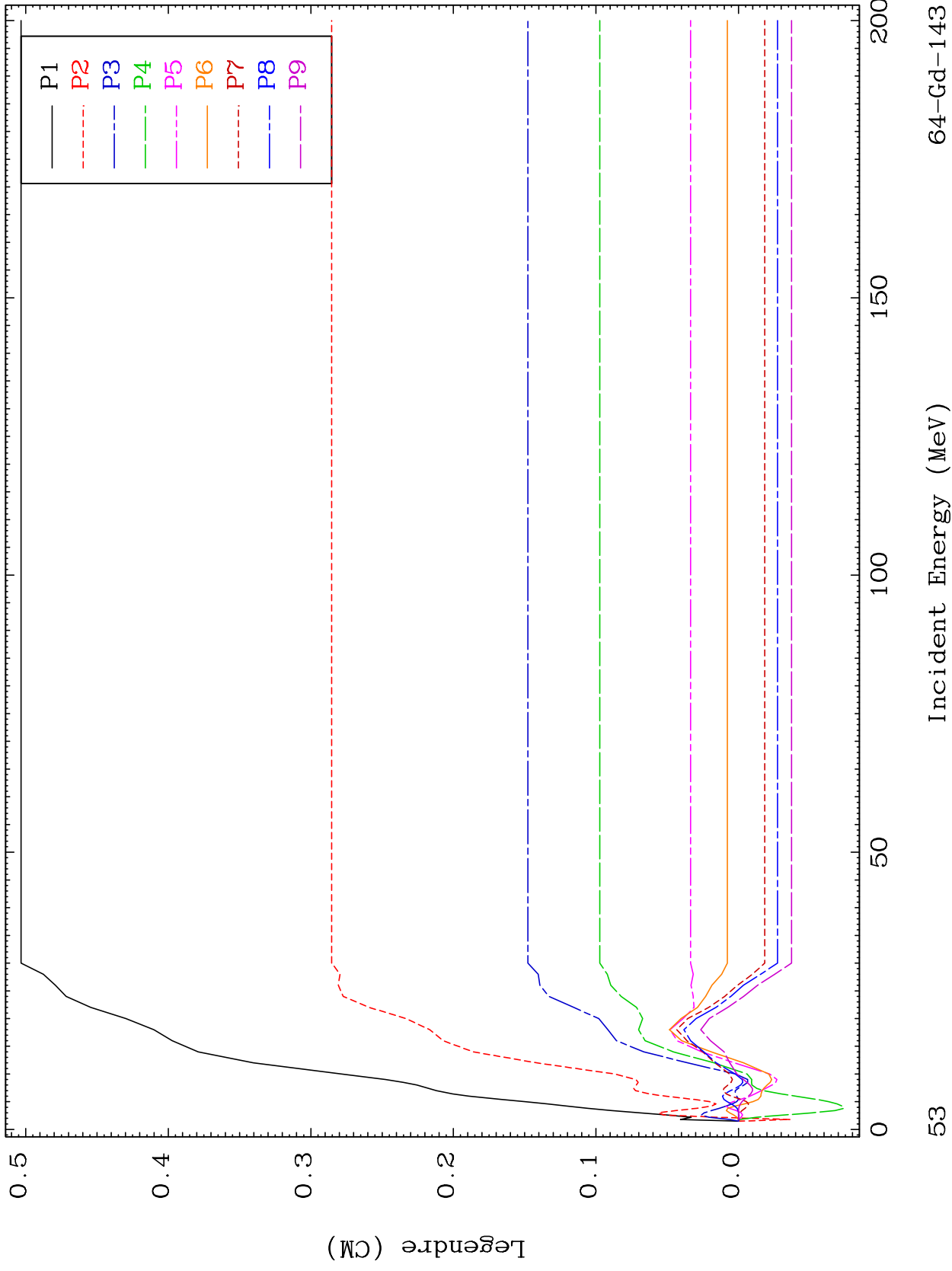
Incident Energy (MeV)

64-Gd-143

MAT 6398

1.474 MeV (n,n') Level
Legendre Coefficients

64-Gd-143



64-Gd-143

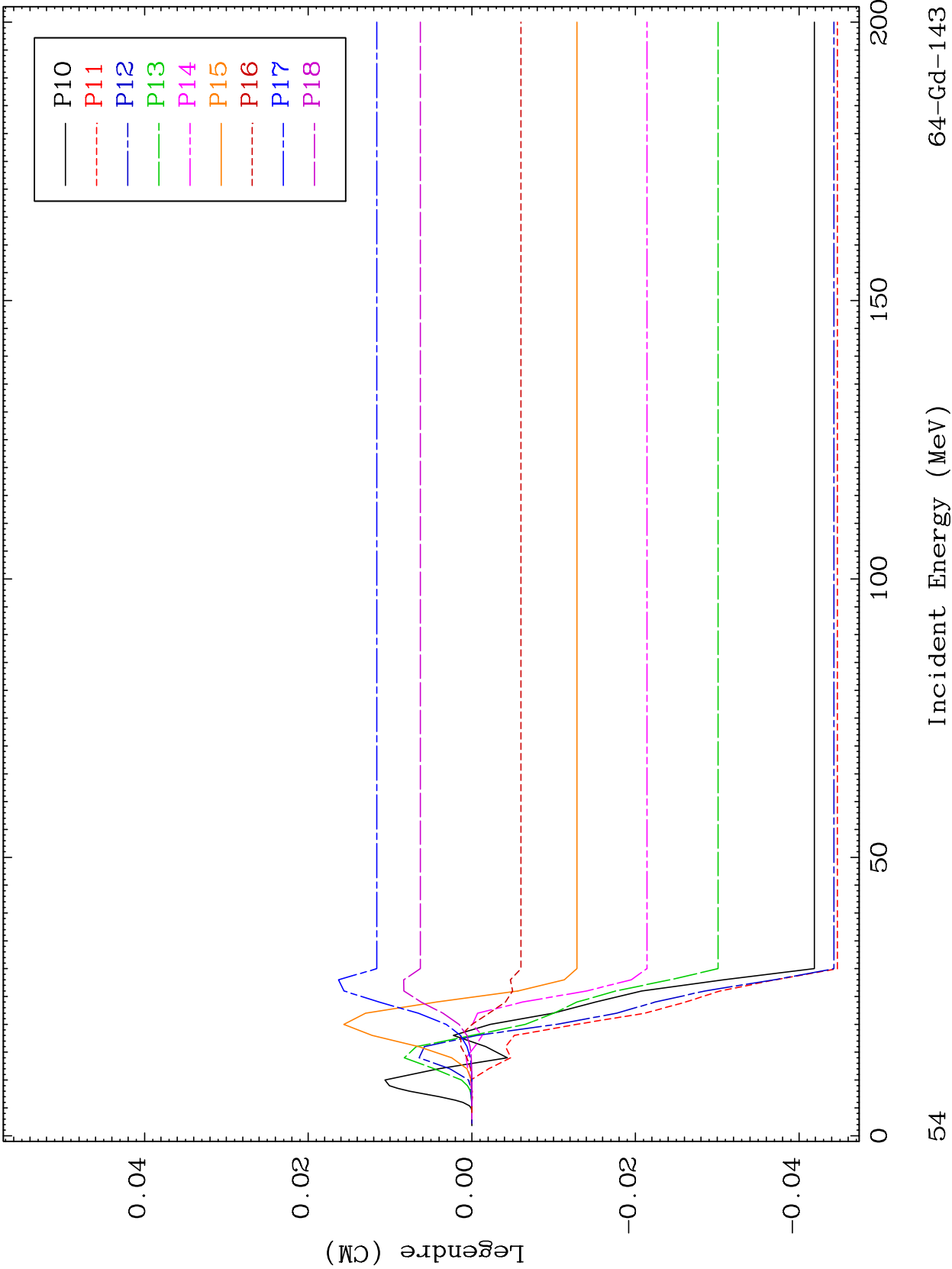
Incident Energy (MeV)

53

MAT 6398

1.474 MeV (n,n') Level
Legendre Coefficients

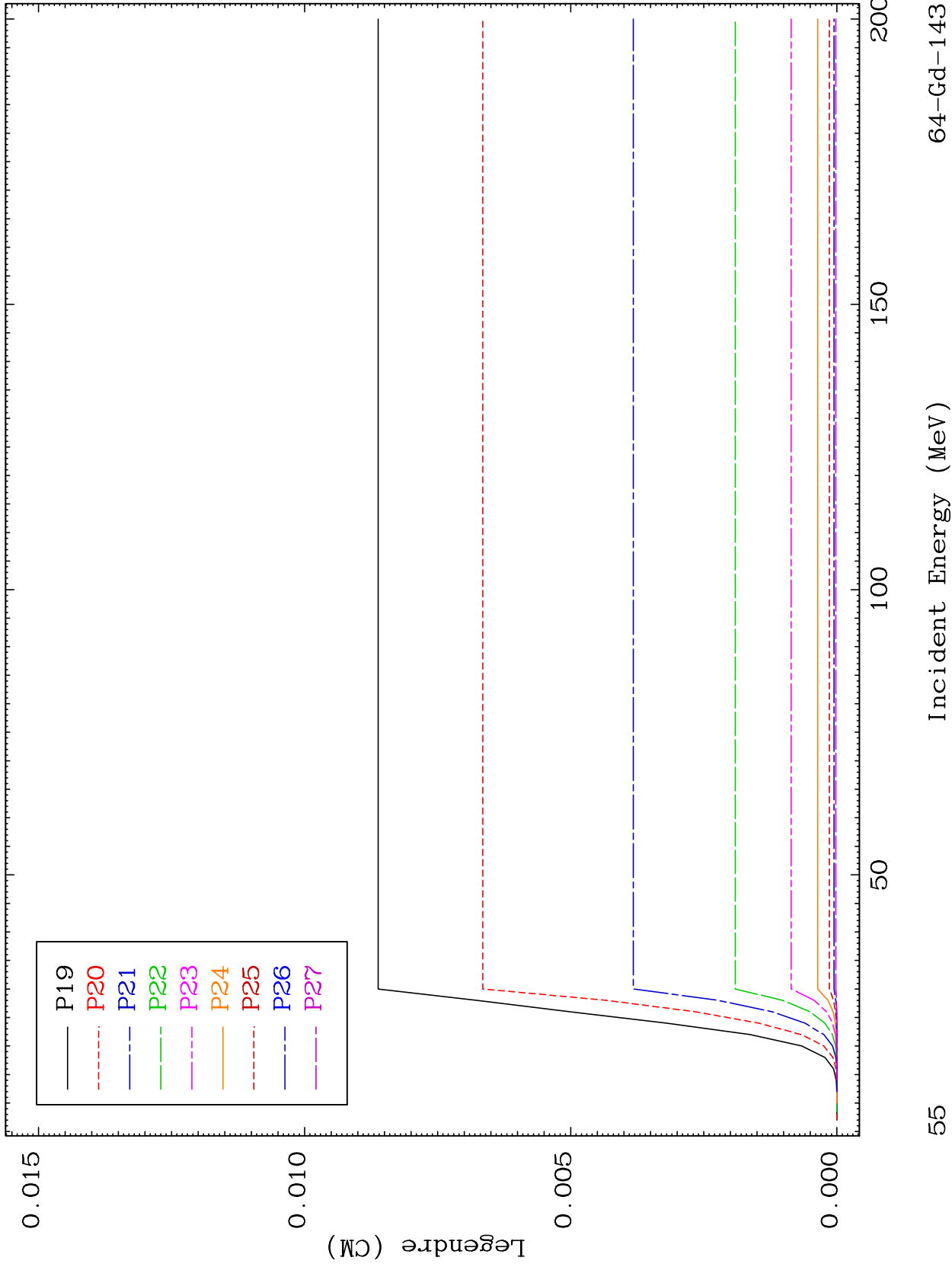
64-Gd-143



64-Gd-143

Incident Energy (MeV)

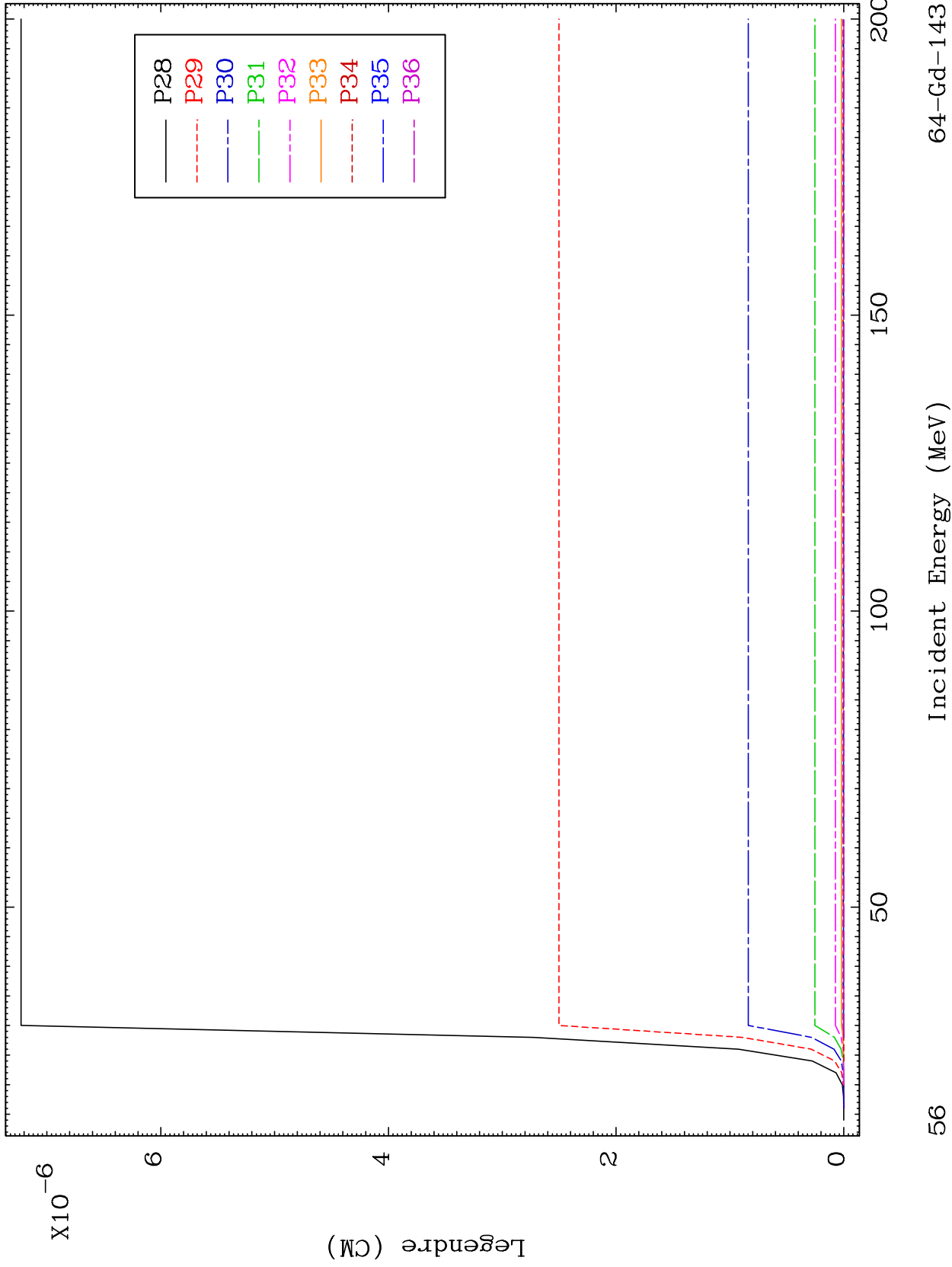
54



MAT 6398

1.474 MeV (n, n') Level
Legendre Coefficients

64-Gd-143



56

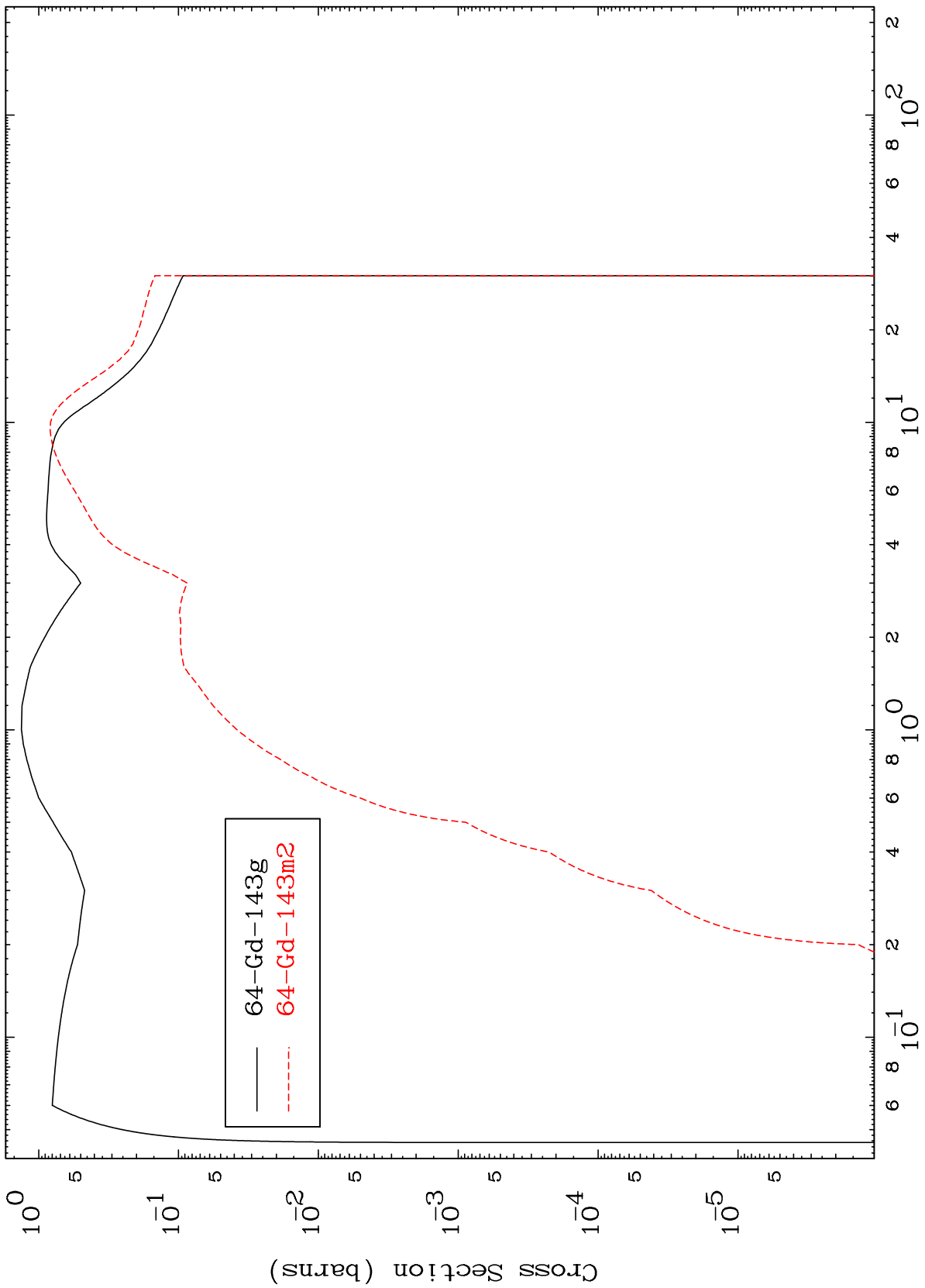
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

Inelastic
Radionuclide Production Cross Section



57

64-Gd-143

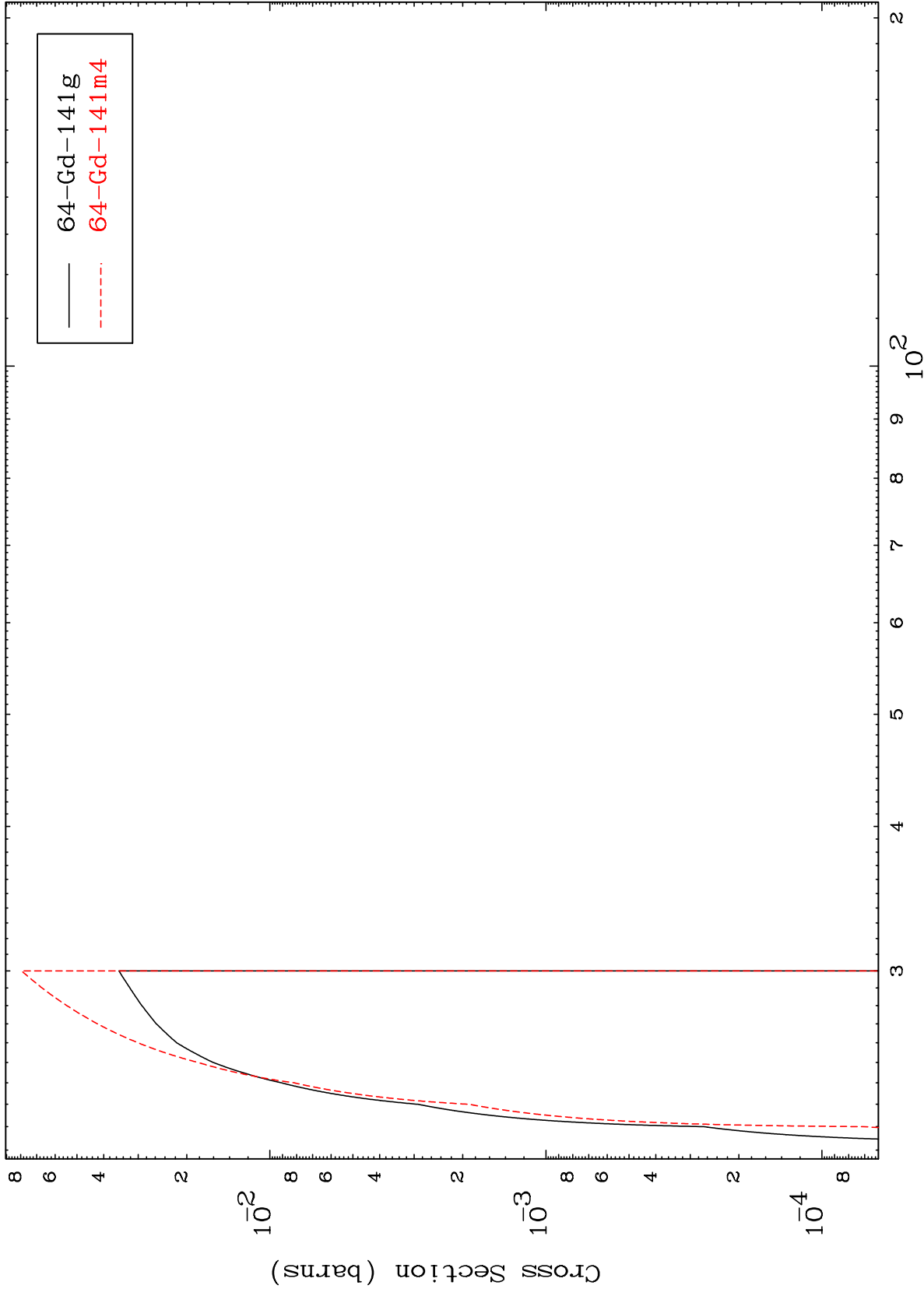
Incident Energy (MeV)

MAT 6398

(n,3n)

64-Gd-143

Radionuclide Production Cross Section



64-Gd-141g
64-Gd-141m4

58

Incident Energy (MeV)

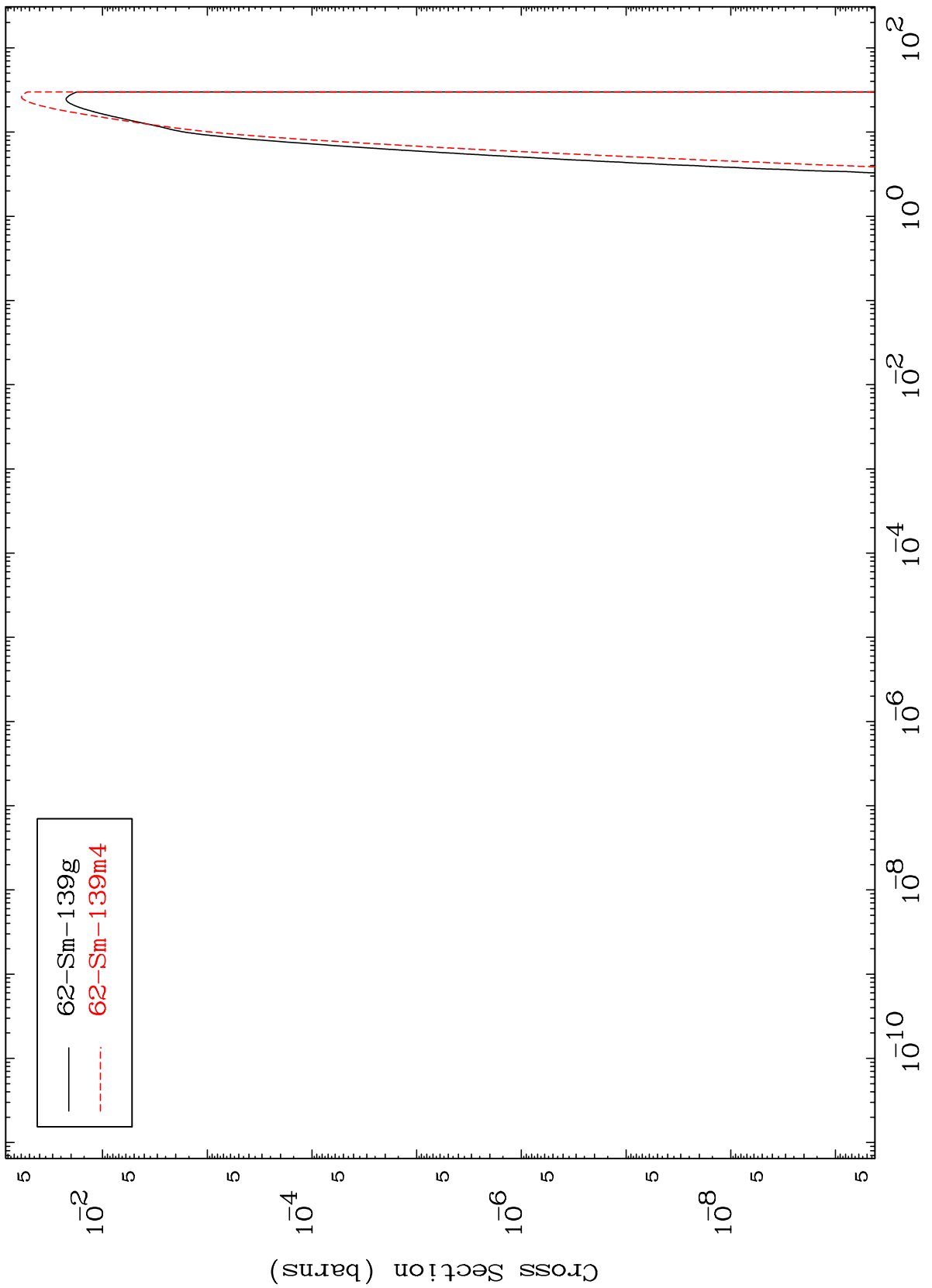
64-Gd-143

MAT 6398

(n, n') α

64-Gd-143

Radionuclide Production Cross Section



62-Sm-139g
62-Sm-139m4

59

Incident Energy (MeV)

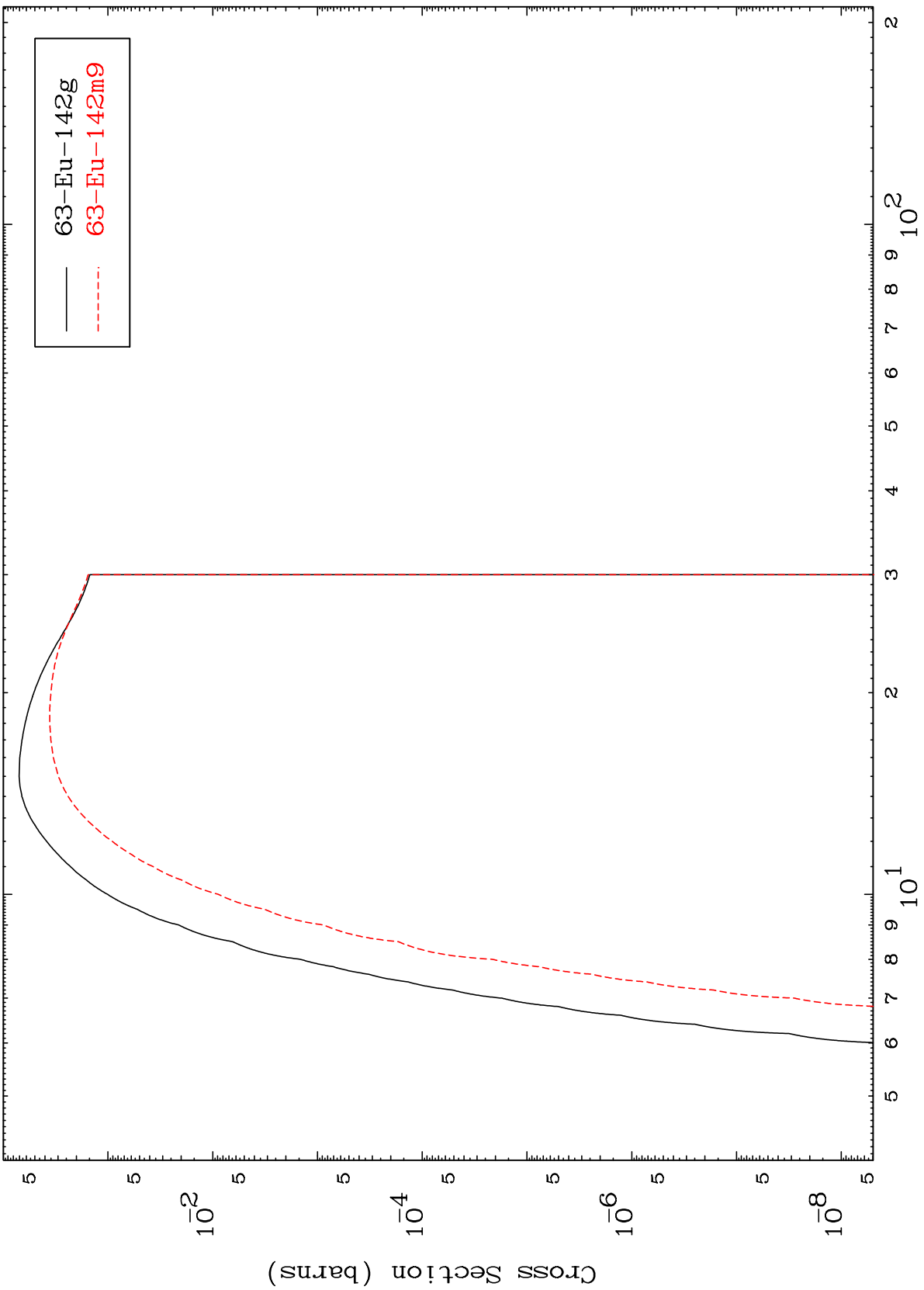
64-Gd-143

MAT 6398

(n,n') p

64-Gd-143

Radionuclide Production Cross Section



60

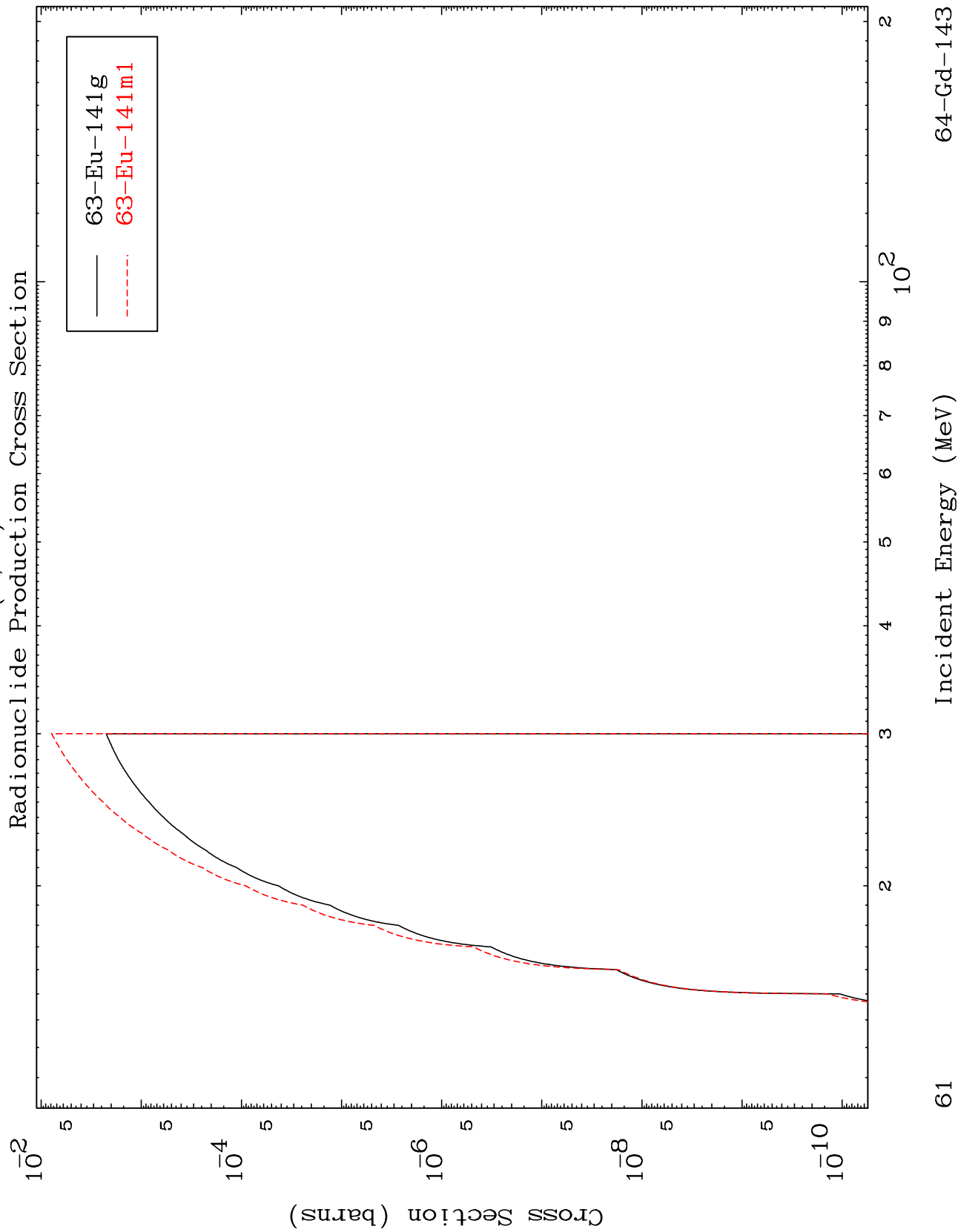
Incident Energy (MeV)

64-Gd-143

MAT 6398

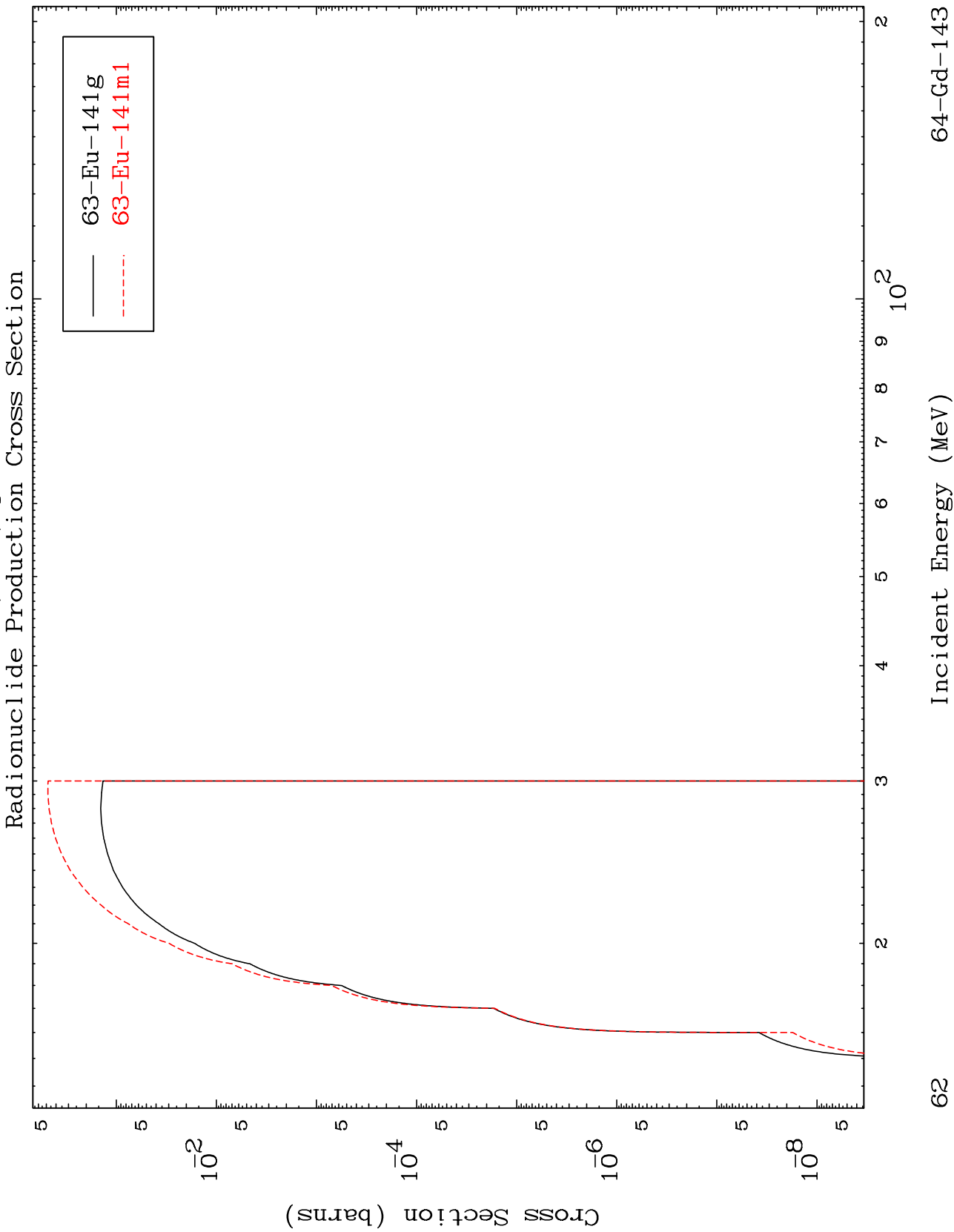
(n,n') d

64-Gd-143



61

64-Gd-143

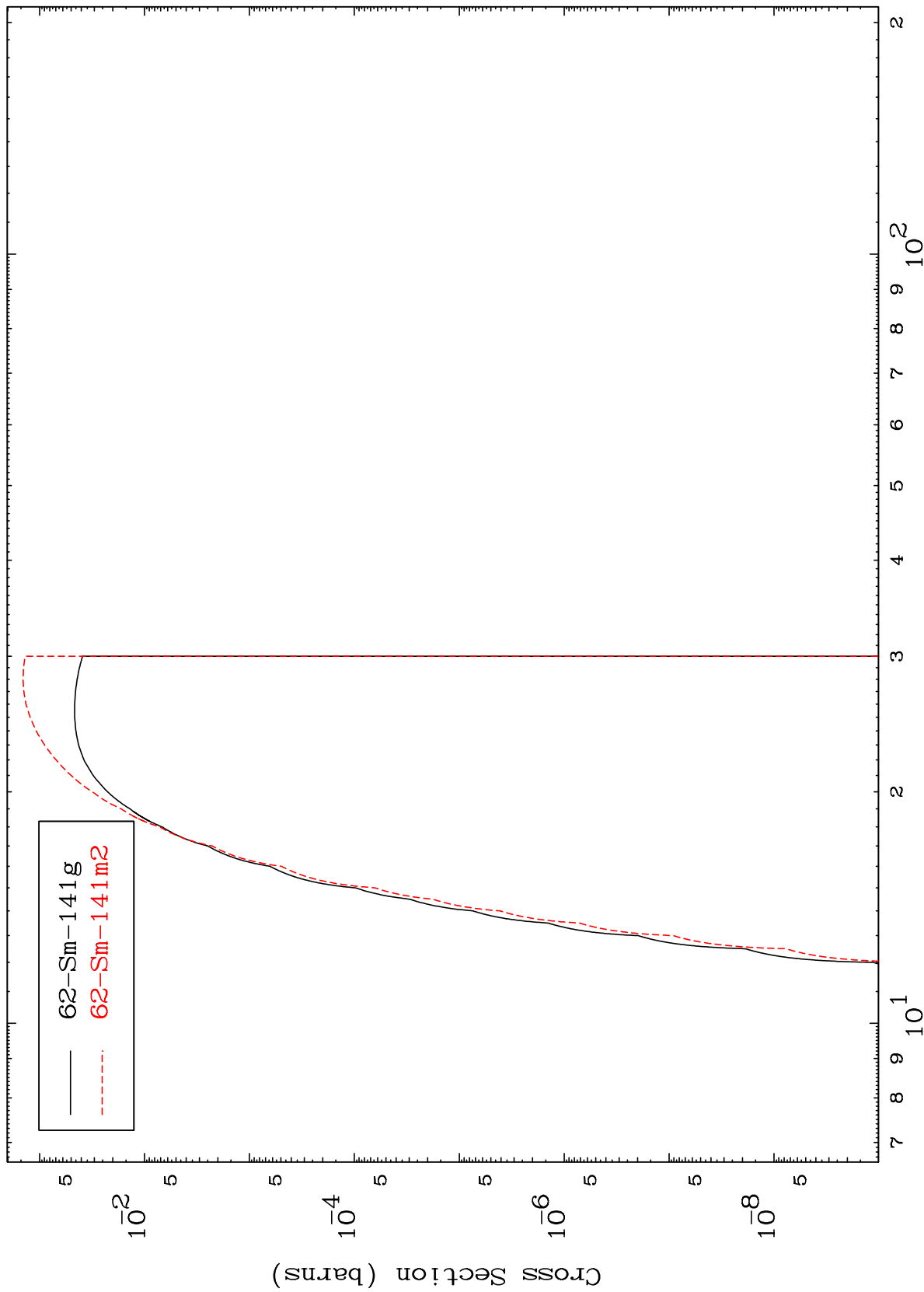


MAT 6398

(n,2n) p

64-Gd-143

Radionuclide Production Cross Section



62-Sm-141g
62-Sm-141m2

63

Incident Energy (MeV)

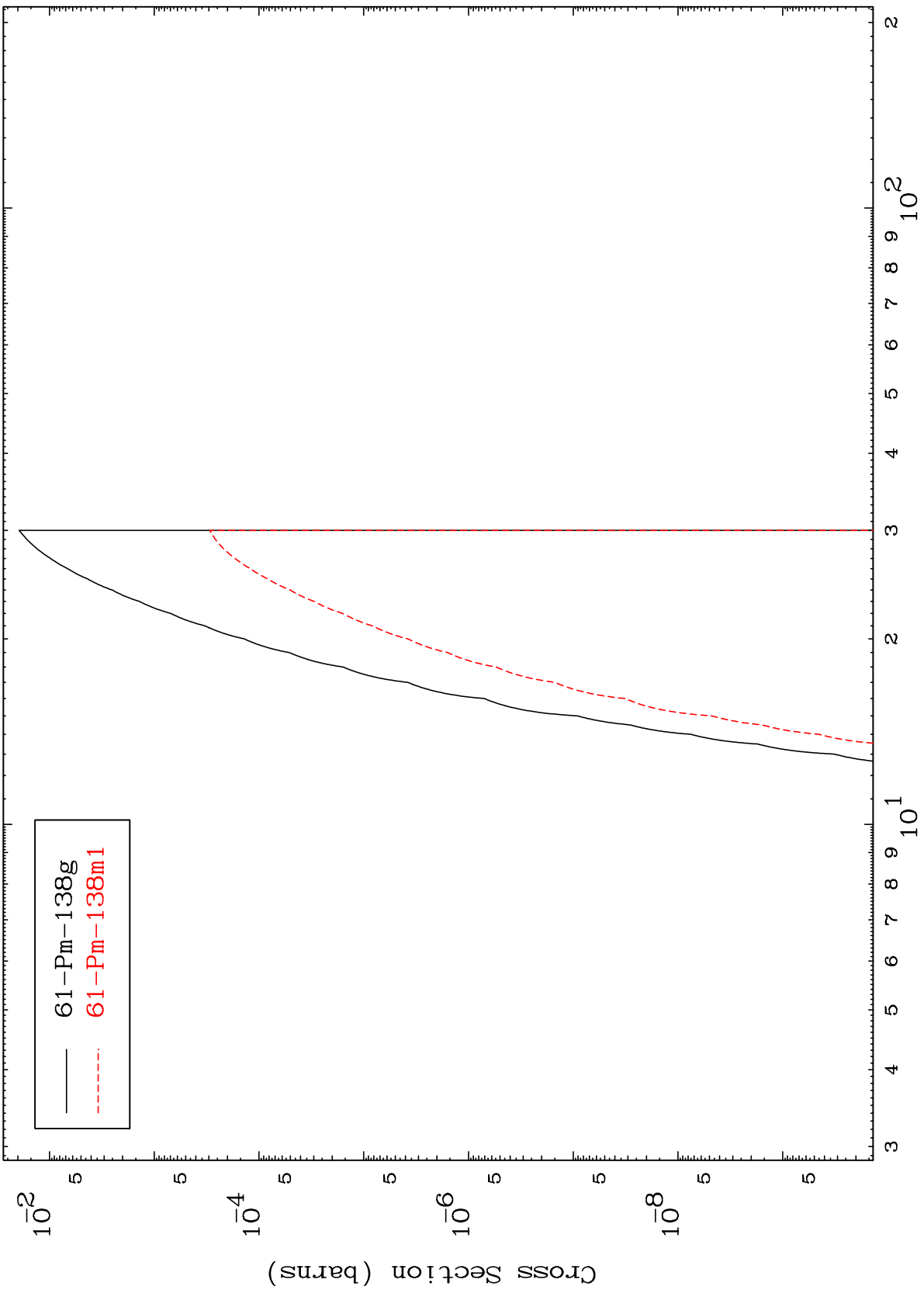
64-Gd-143

MAT 6398

(n,n') p α

64-Gd-143

Radionuclide Production Cross Section



61-Pm-138g
61-Pm-138m1

64

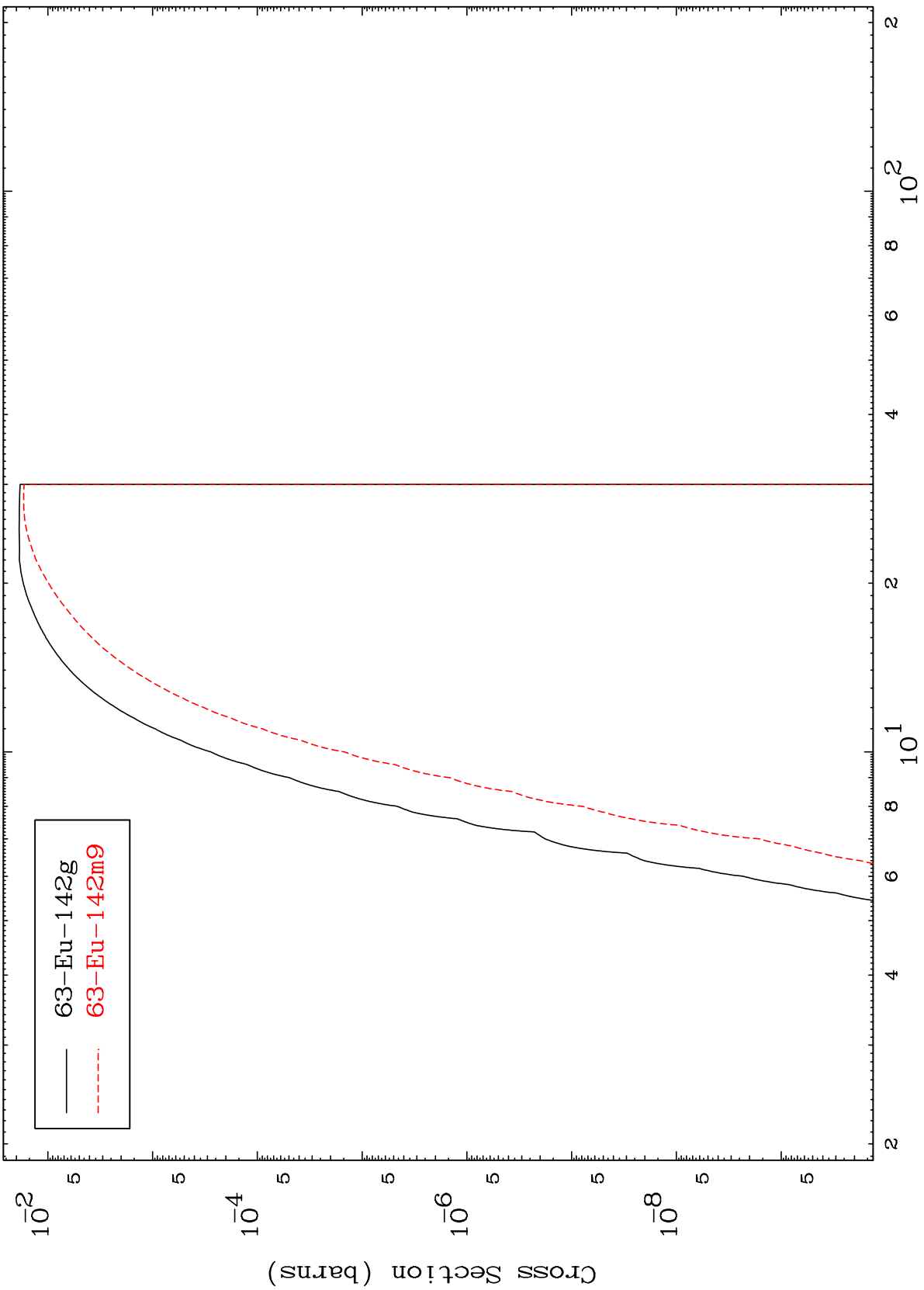
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(n,d)
Radionuclide Production Cross Section



65

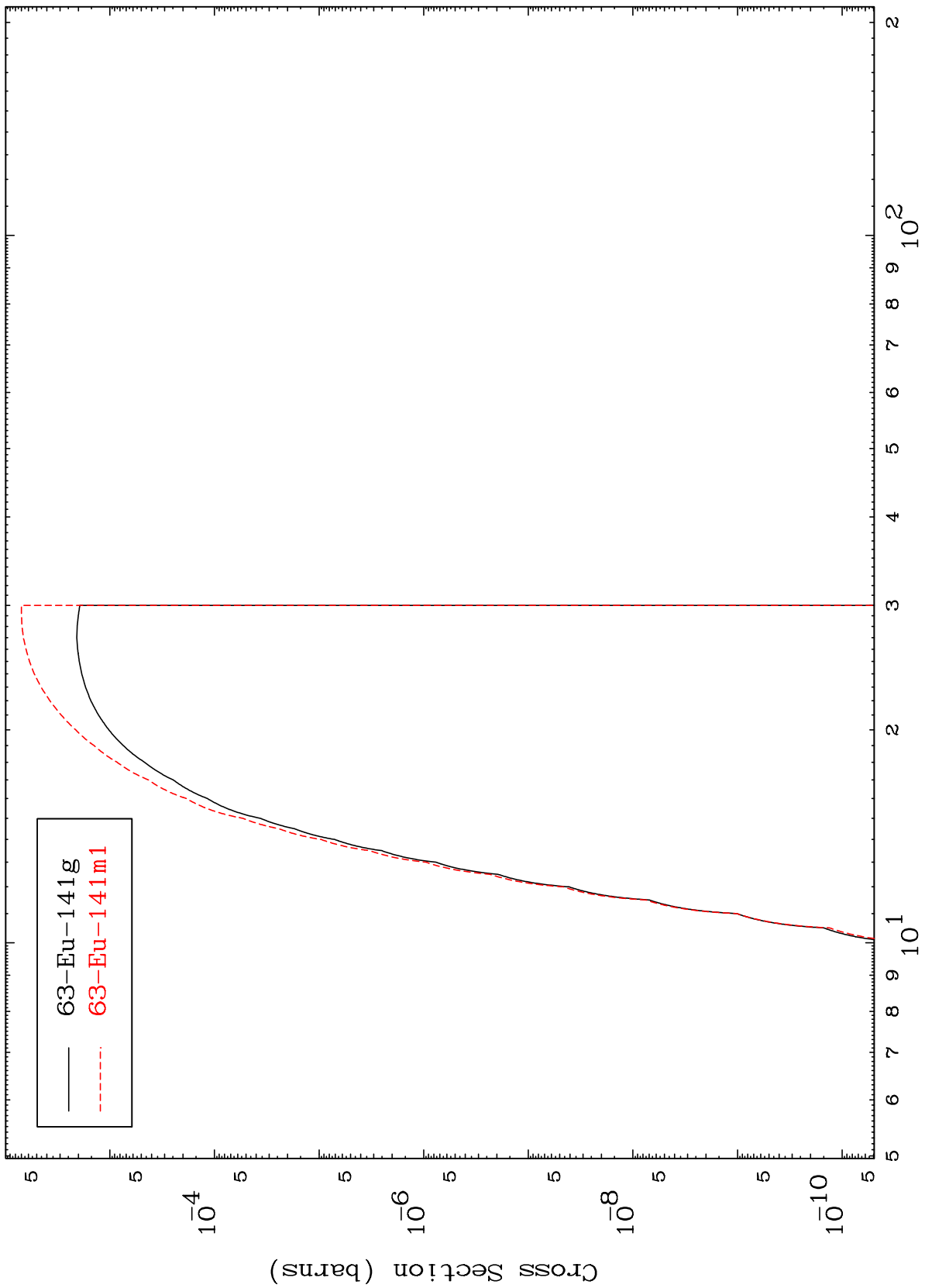
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(n, t)
Radionuclide Production Cross Section



66

Incident Energy (MeV)

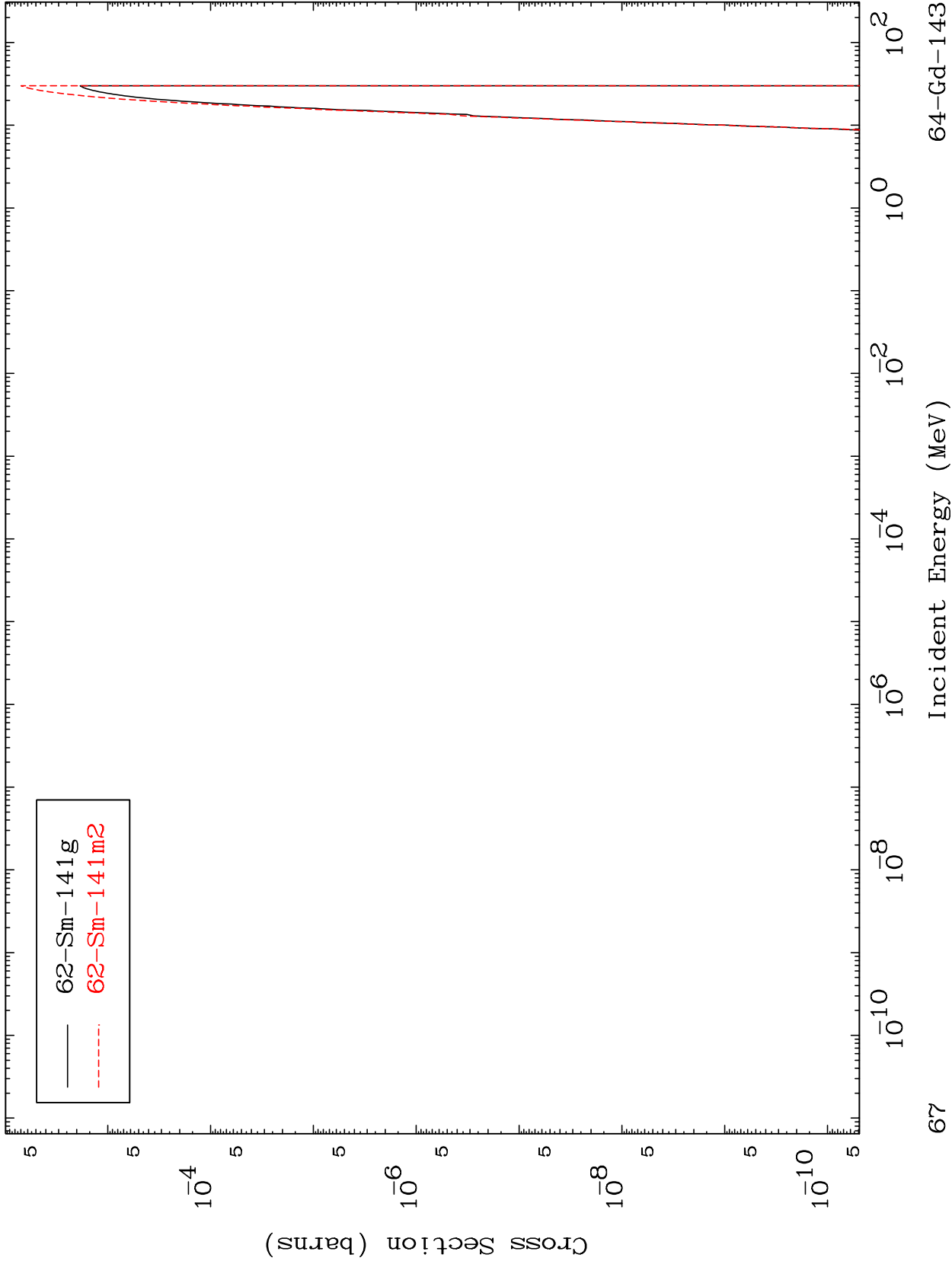
64-Gd-143

MAT 6398

(n,He-3)

64-Gd-143

Radionuclide Production Cross Section



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Incident Energy (MeV)

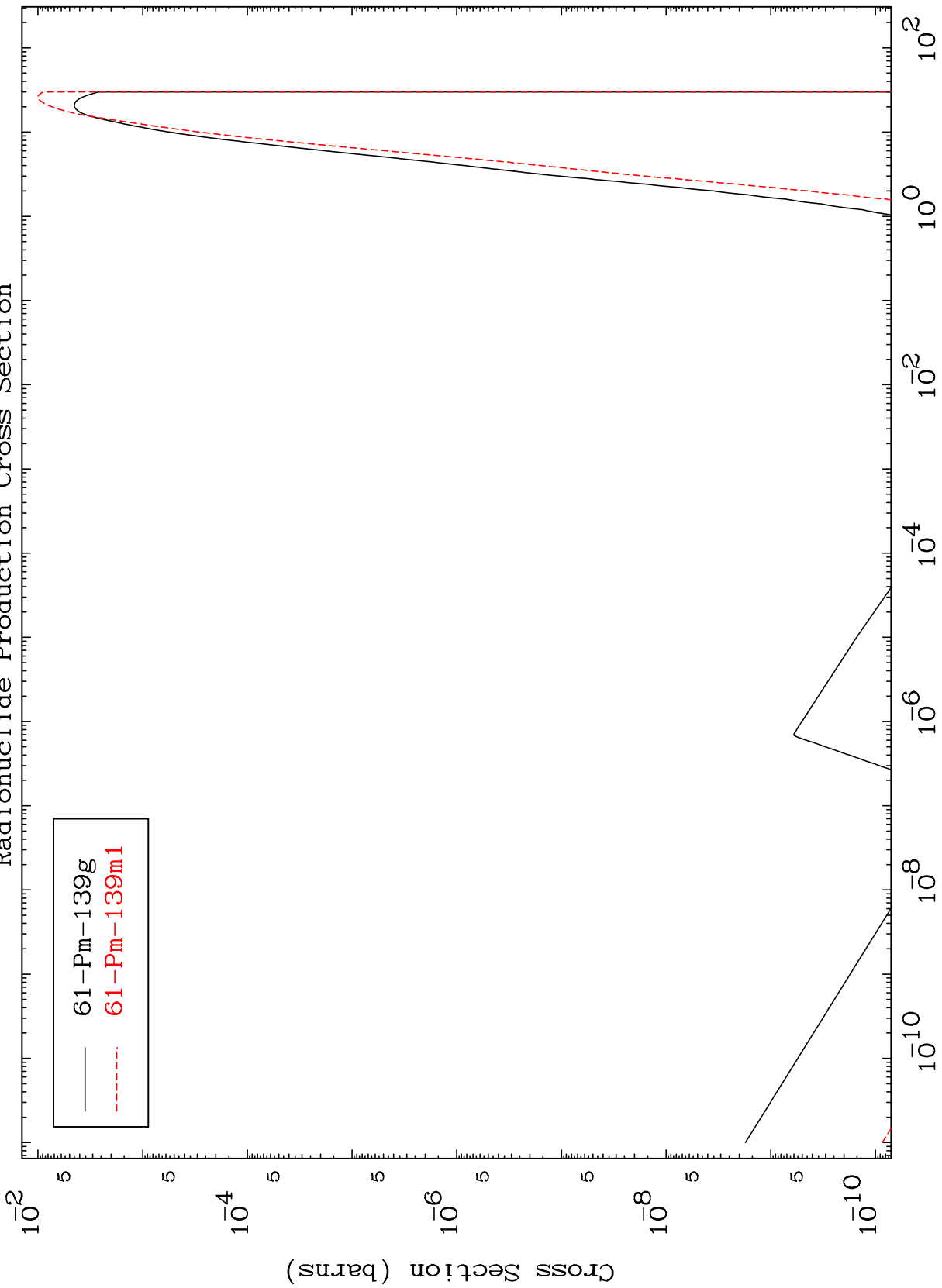
64-Gd-143

MAT 6398

(n,p) α

64-Gd-143

Radionuclide Production Cross Section



61-Pm-139g
61-Pm-139m1

Incident Energy (MeV)

64-Gd-143

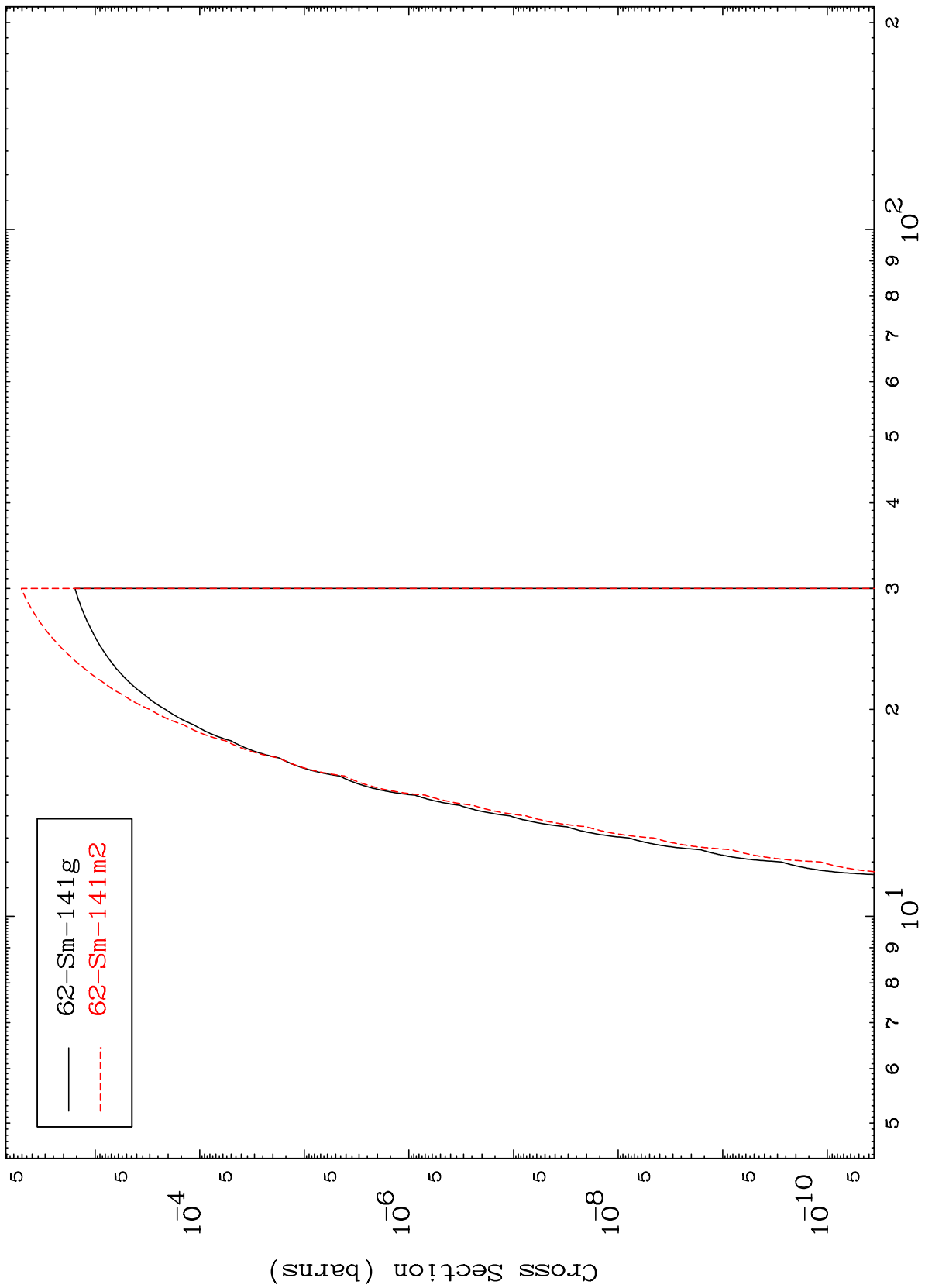
68

MAT 6398

(n,p) d

64-Gd-143

Radionuclide Production Cross Section



69

Incident Energy (MeV)

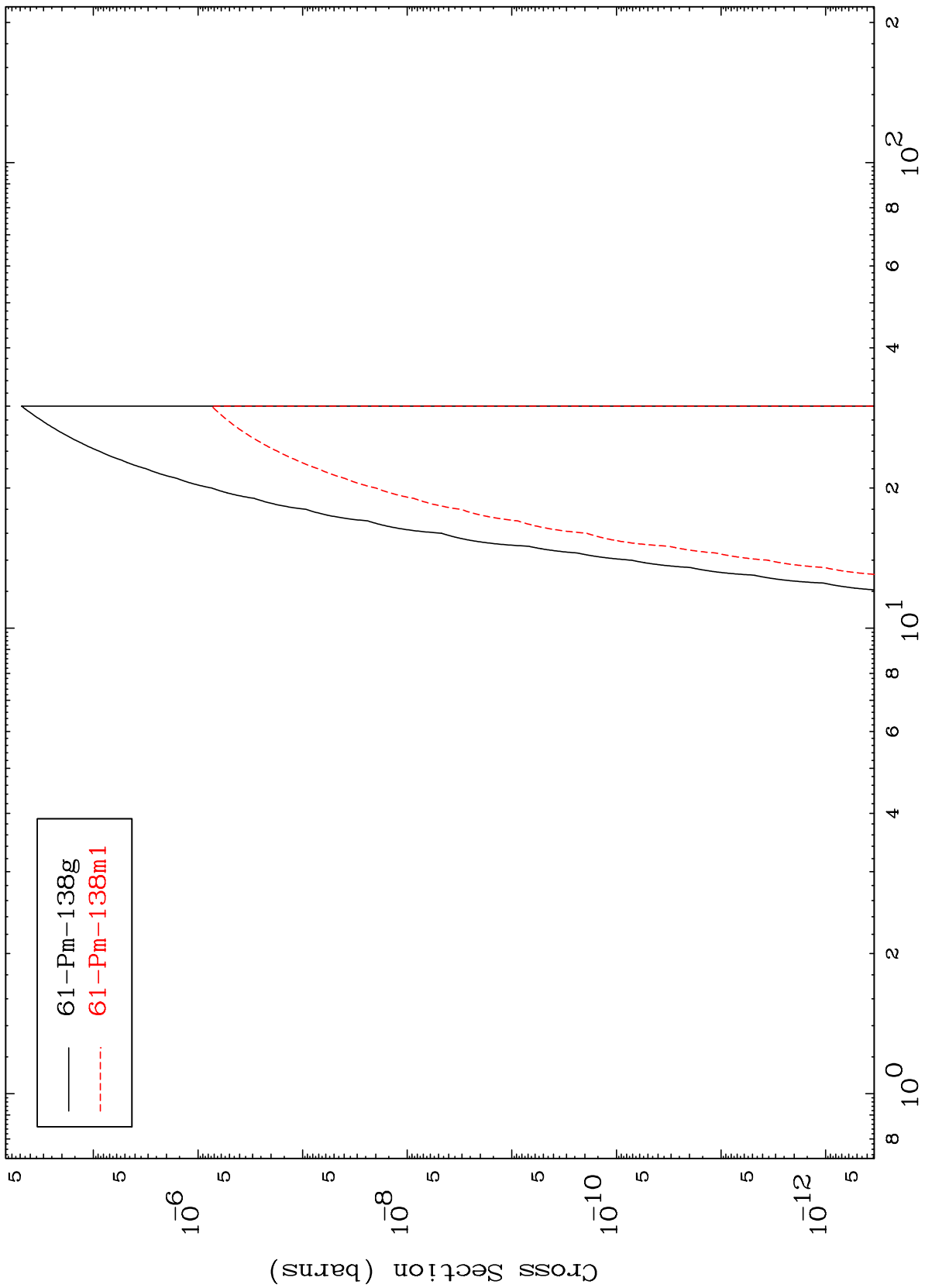
64-Gd-143

MAT 6398

(n,d) α

64-Gd-143

Radionuclide Production Cross Section



70

Incident Energy (MeV)

64-Gd-143