

Program EVALPLOT
(Version 2021-1)

by

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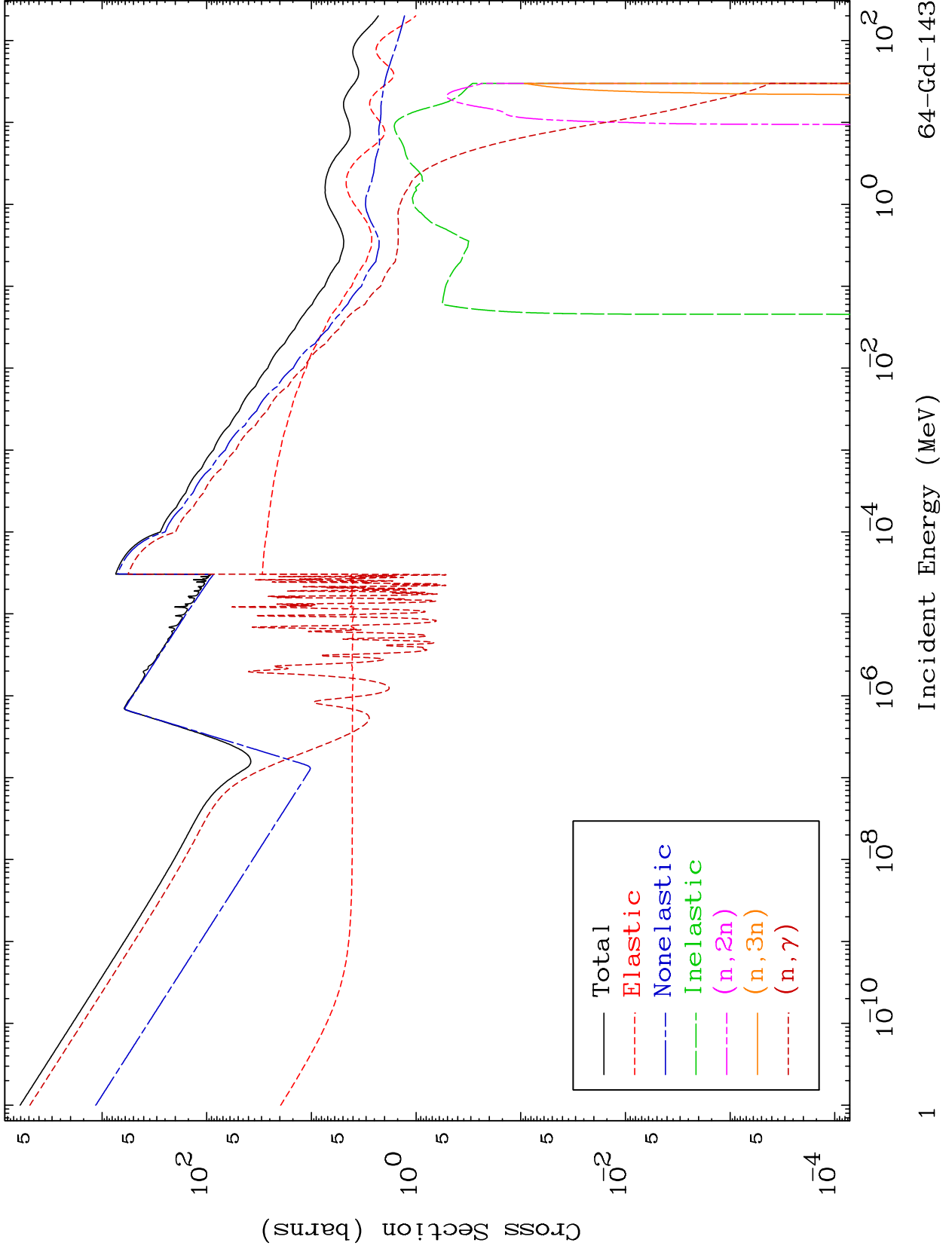
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Press Mouse Button to Start

MAT 6398

Neutron Major
293 Kelvin Cross Sections

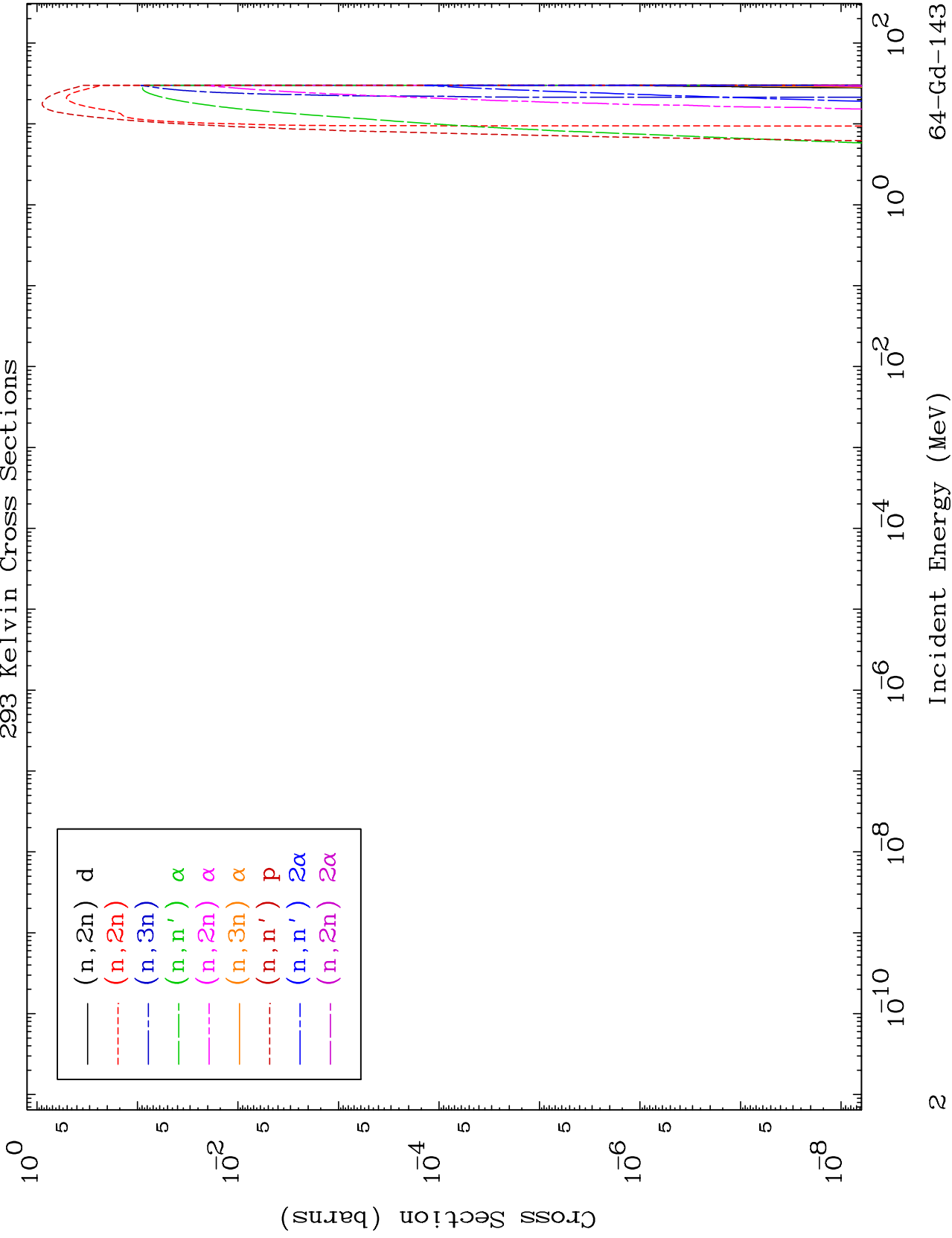
64-Gd-143



MAT 6398

Neutron Absorption
293 Kelvin Cross Sections

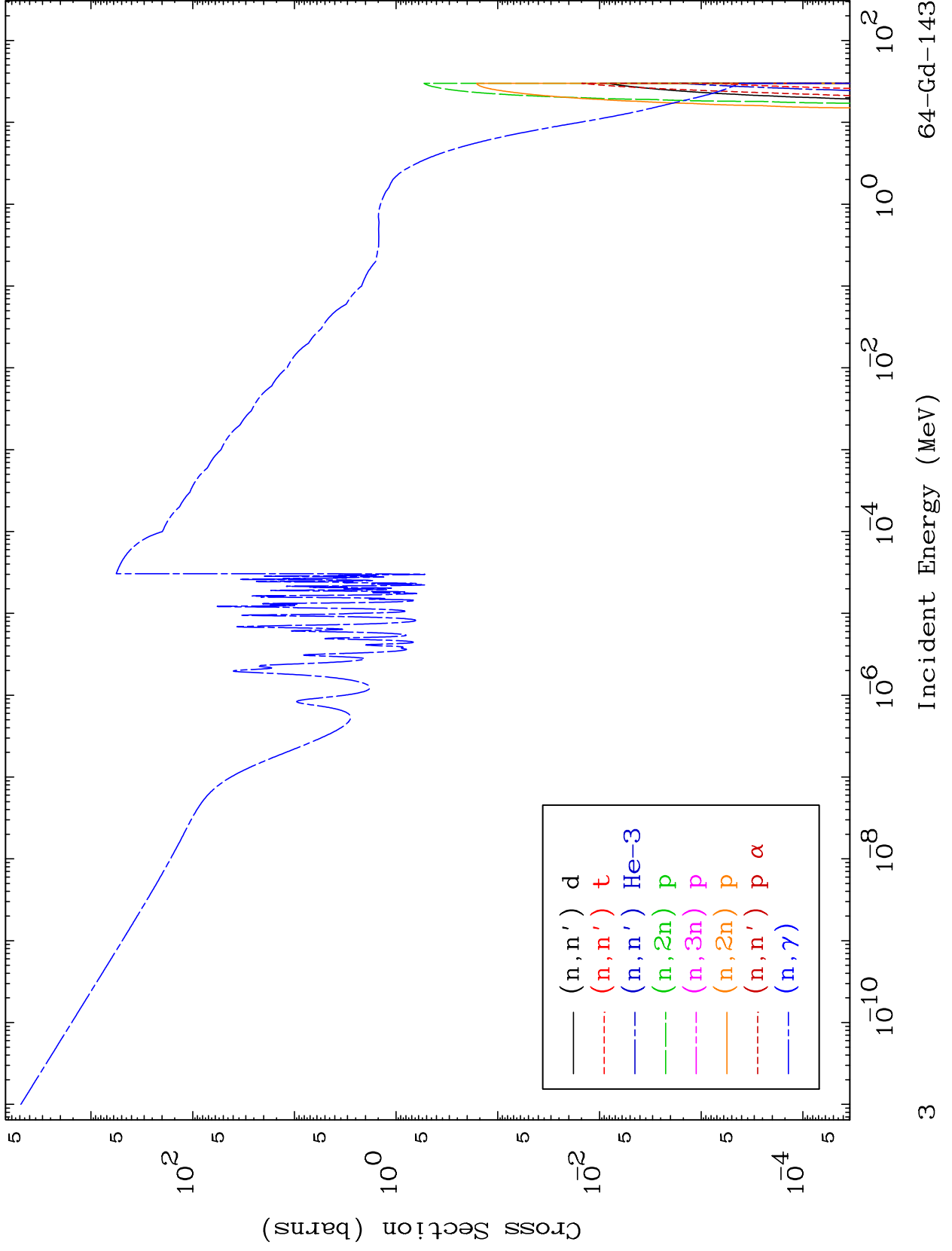
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MAT 6398

Neutron Absorption
293 Kelvin Cross Sections

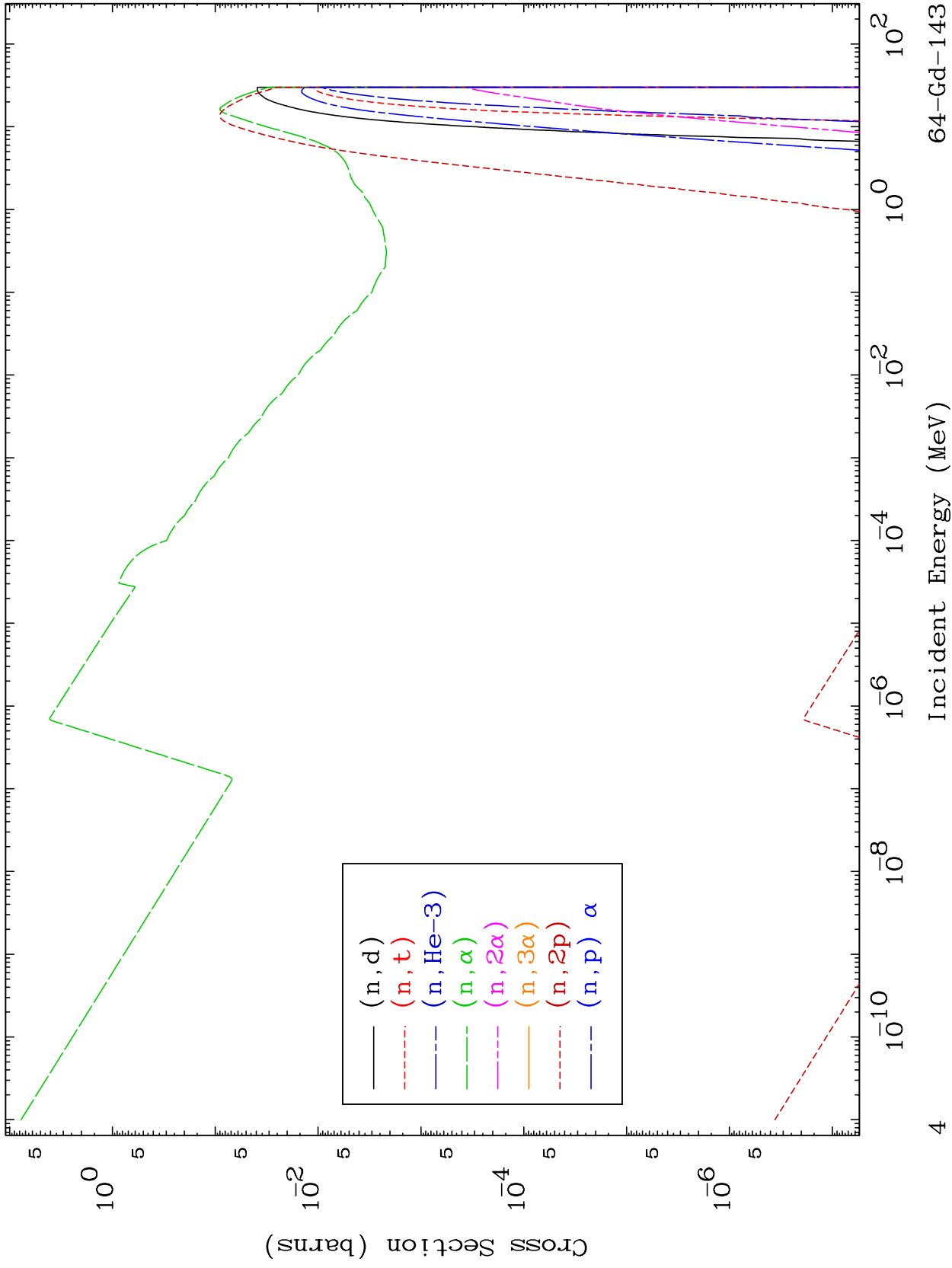
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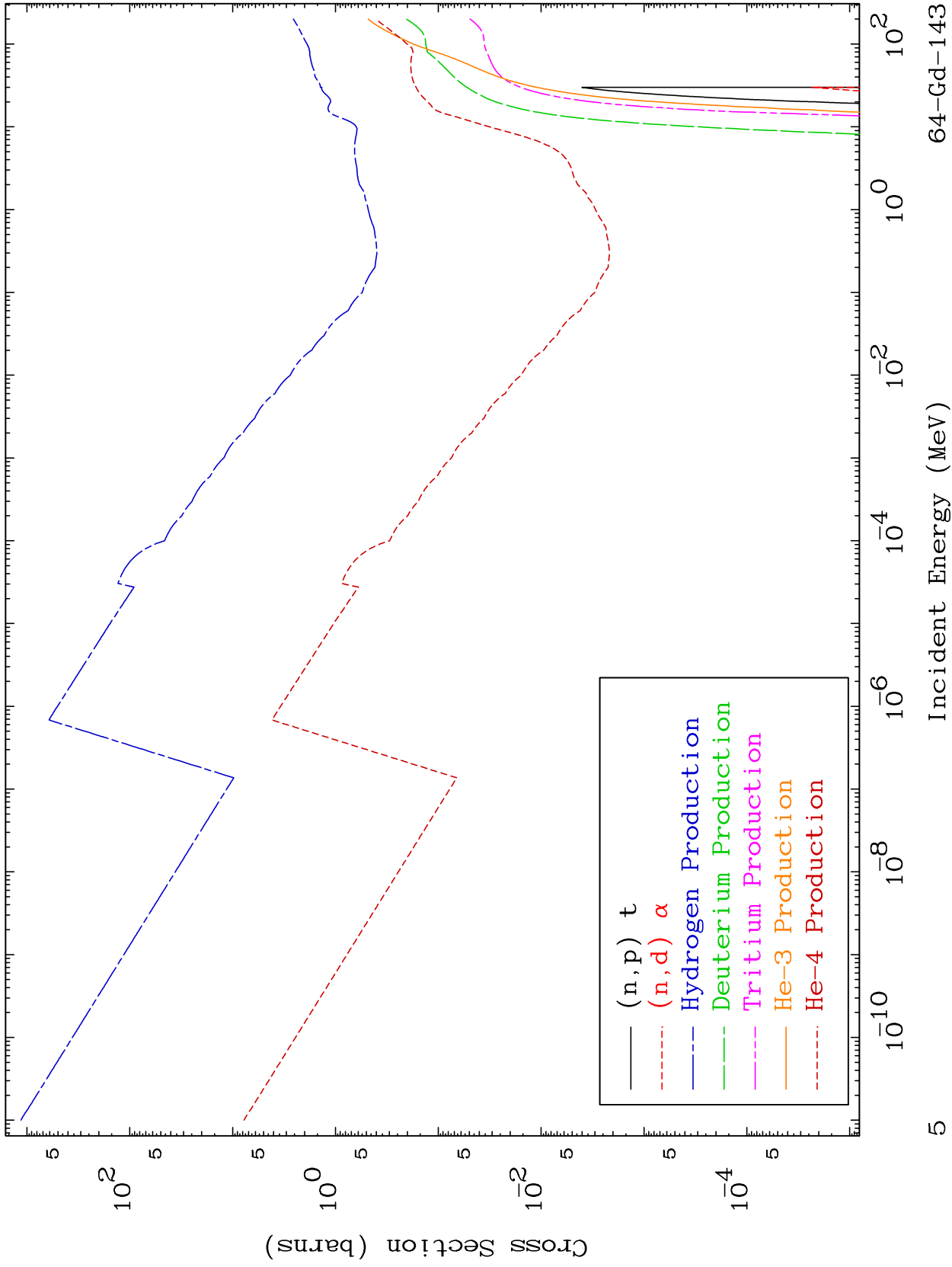


MAT 6398

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-143

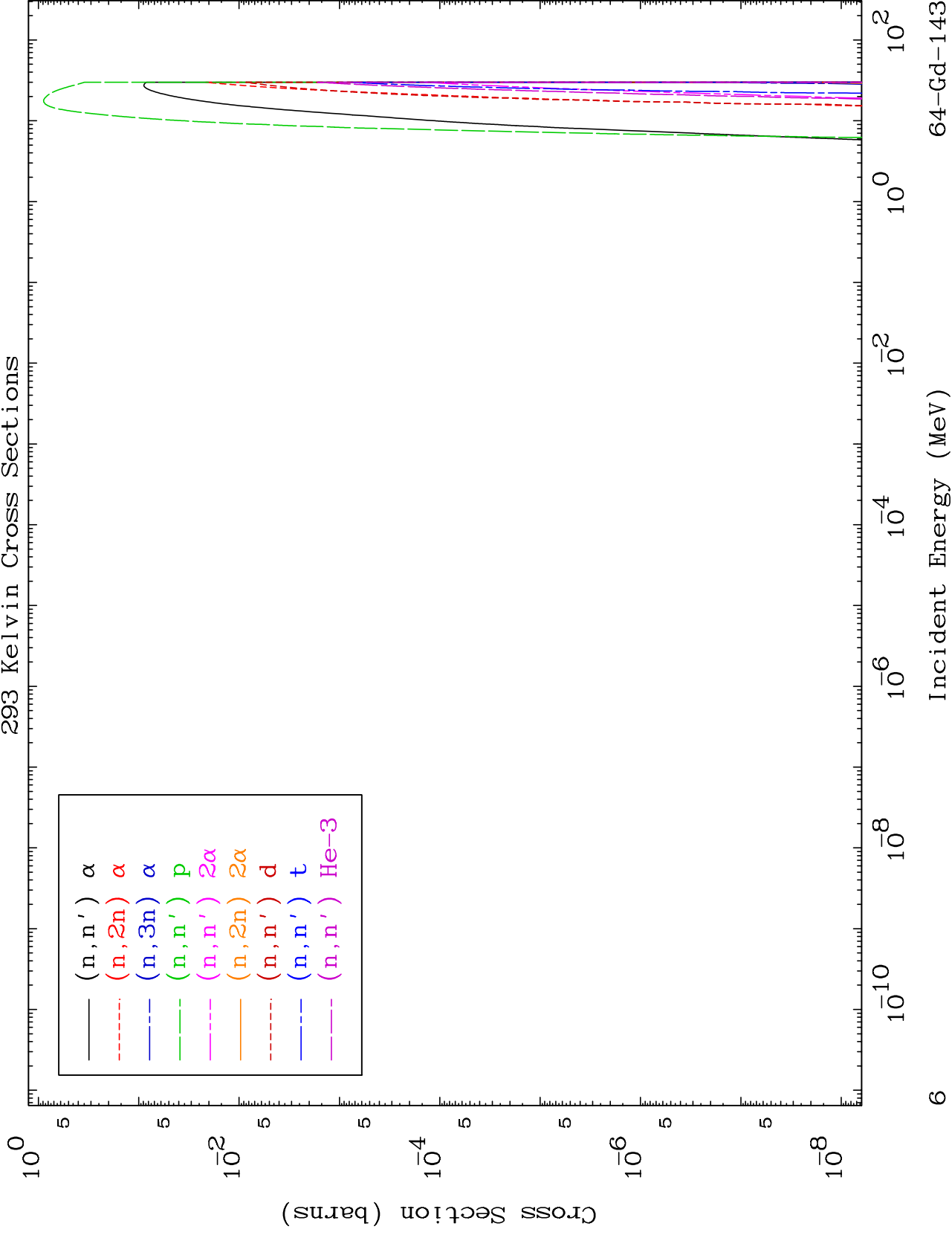




MAT 6398

Charged Particle
293 Kelvin Cross Sections

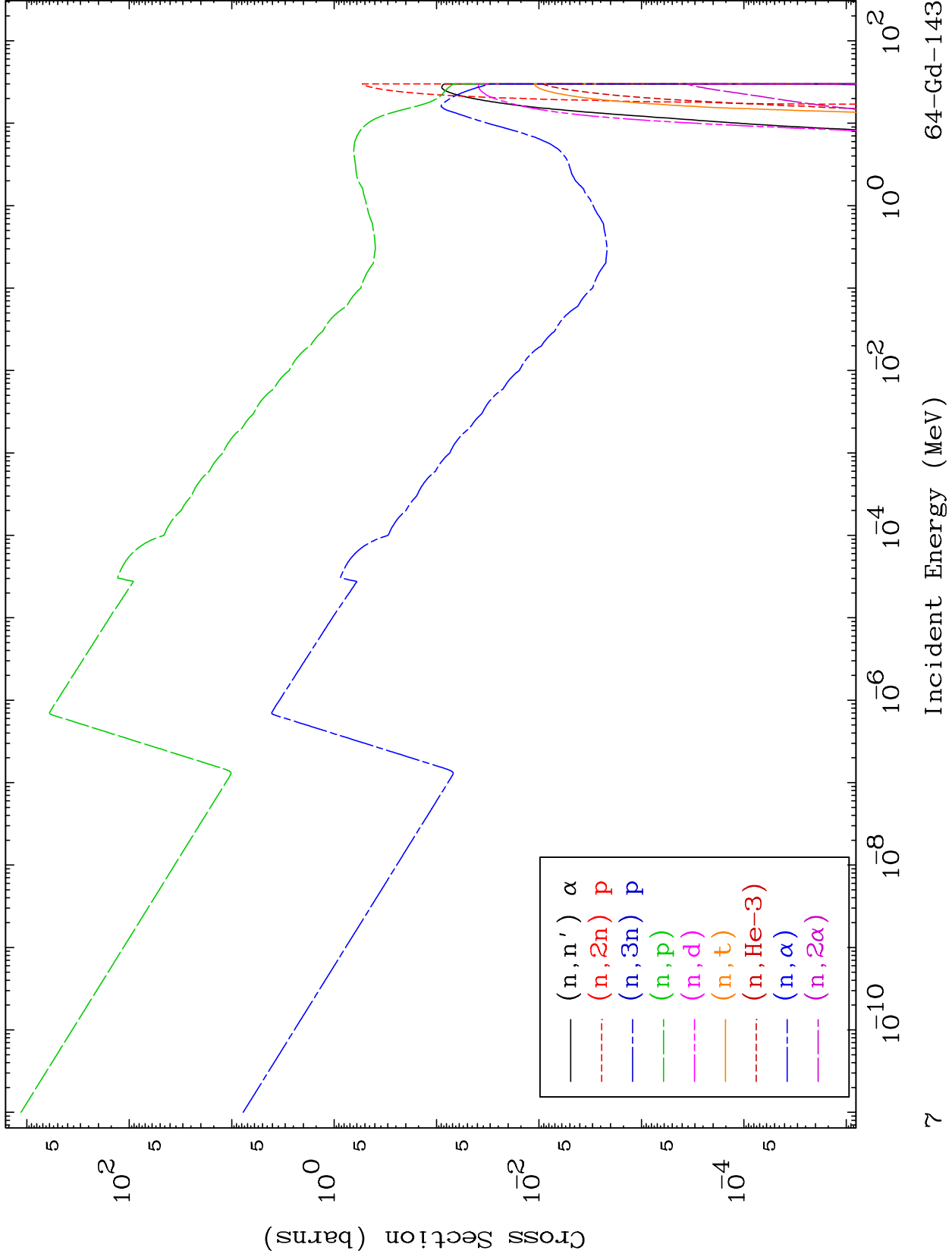
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MAT 6398

Charged Particle
293 Kelvin Cross Sections

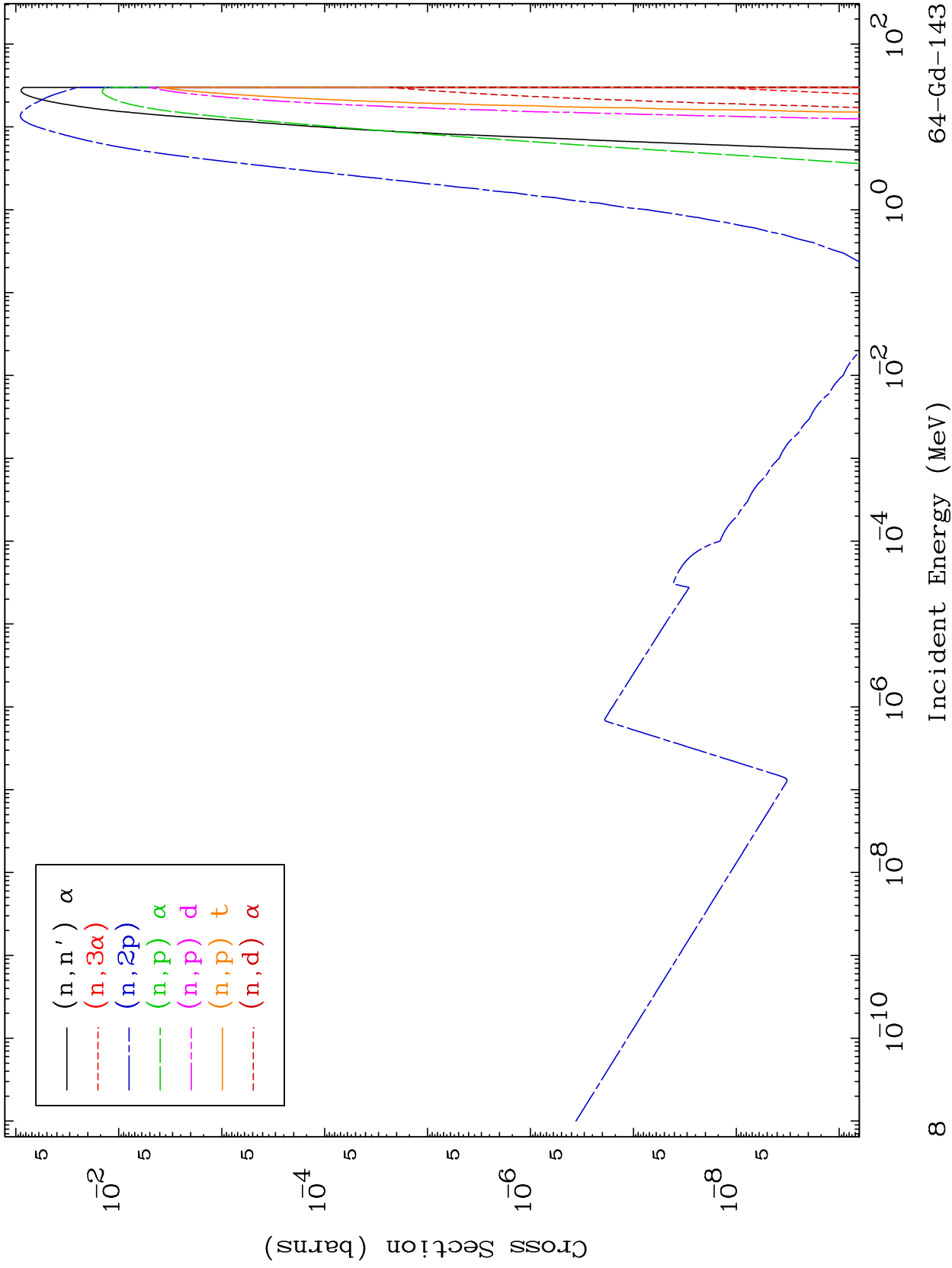
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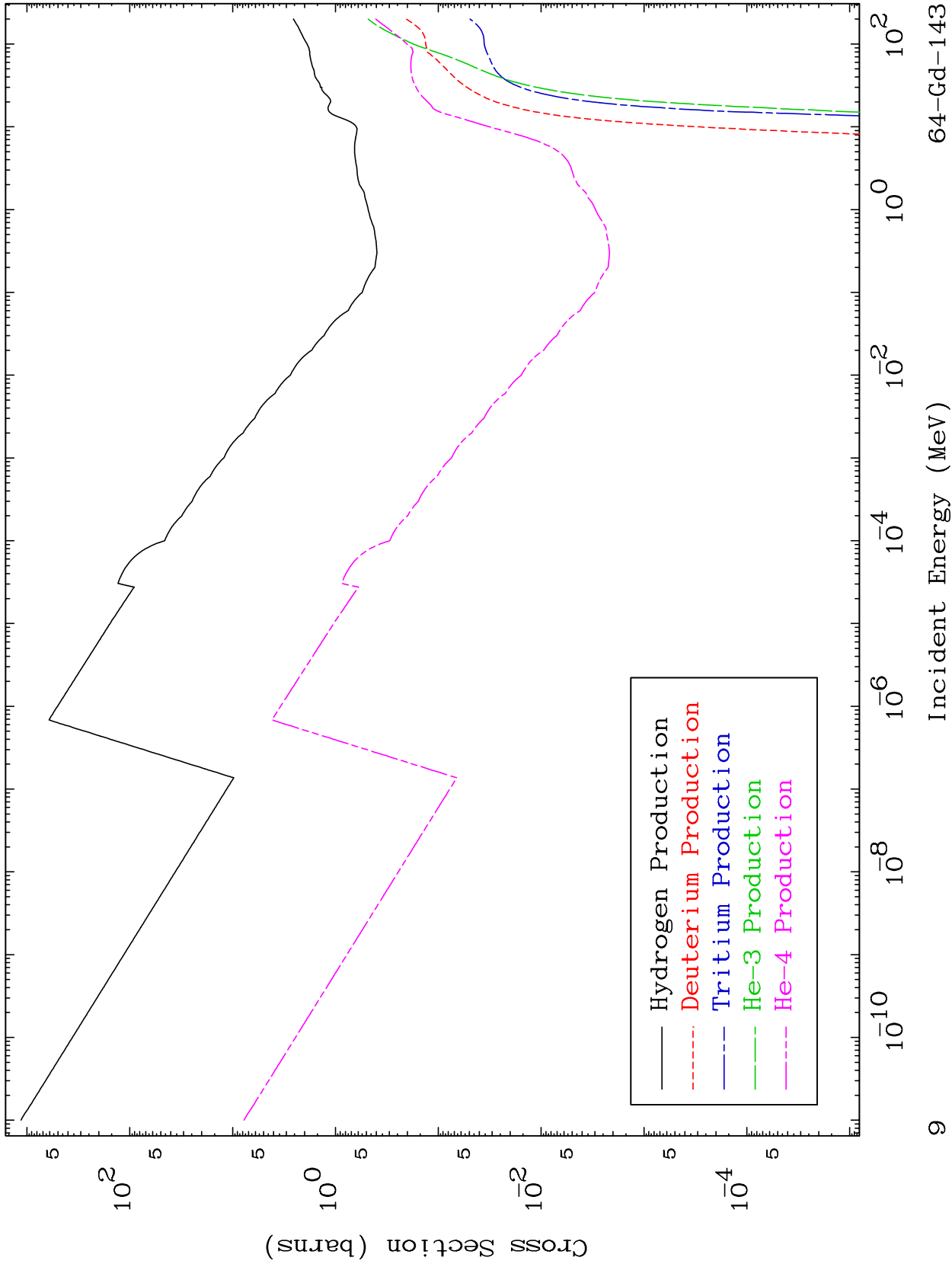


MAT 6398

Charged Particle
293 Kelvin Cross Sections

64-Gd-143

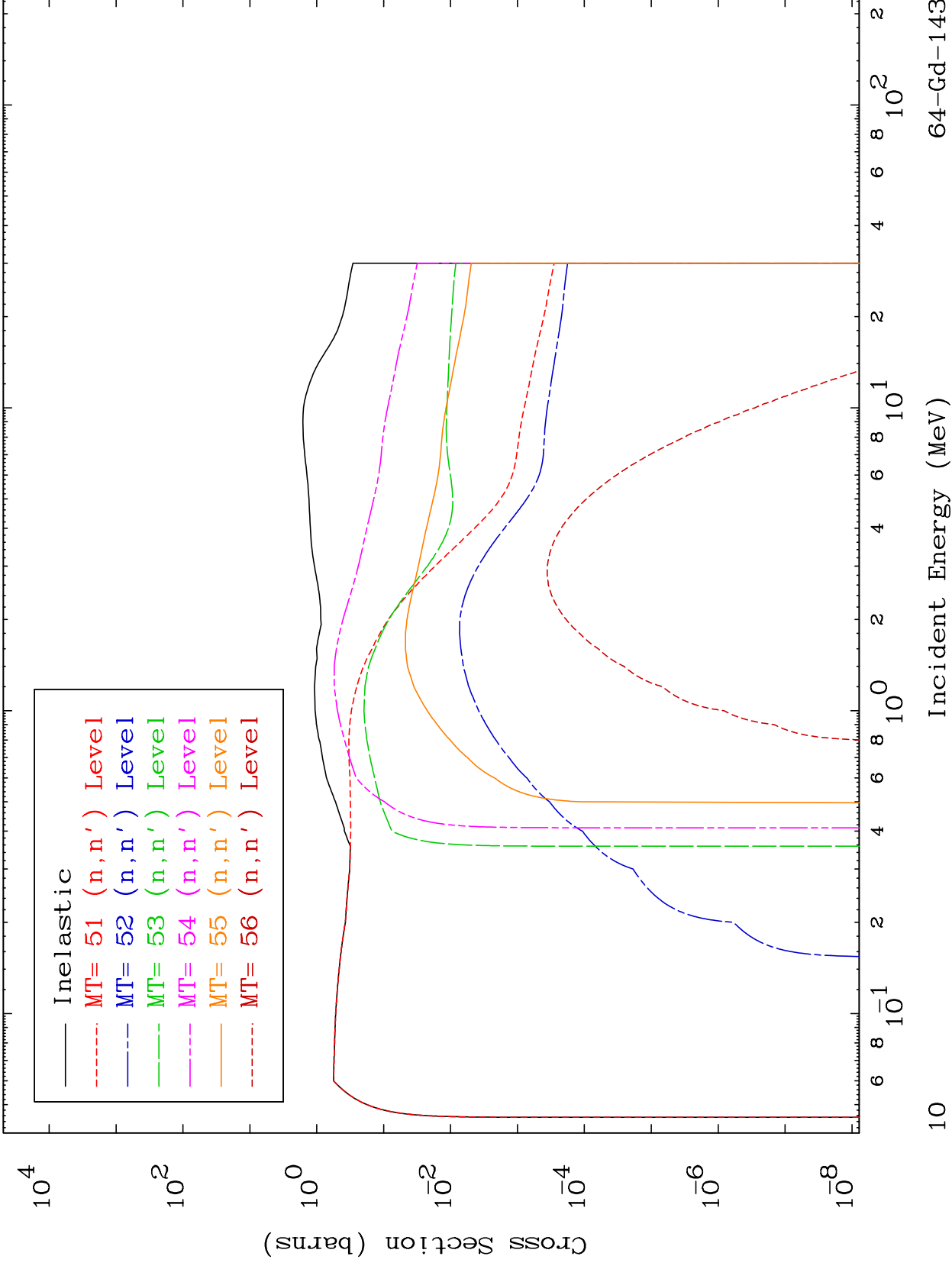




MAT 6398

293 (n,n') Levels

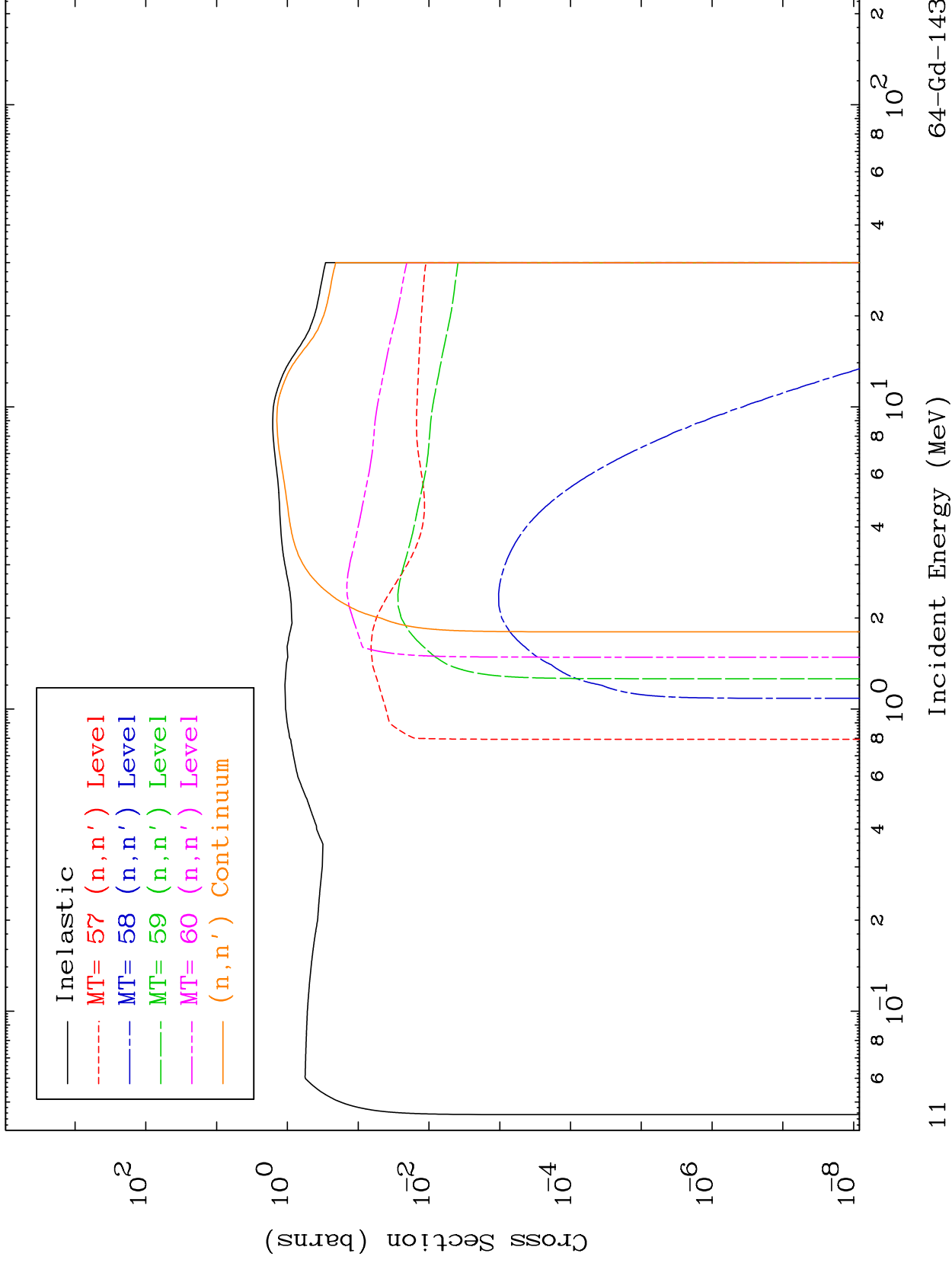
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10

Incident Energy (MeV)

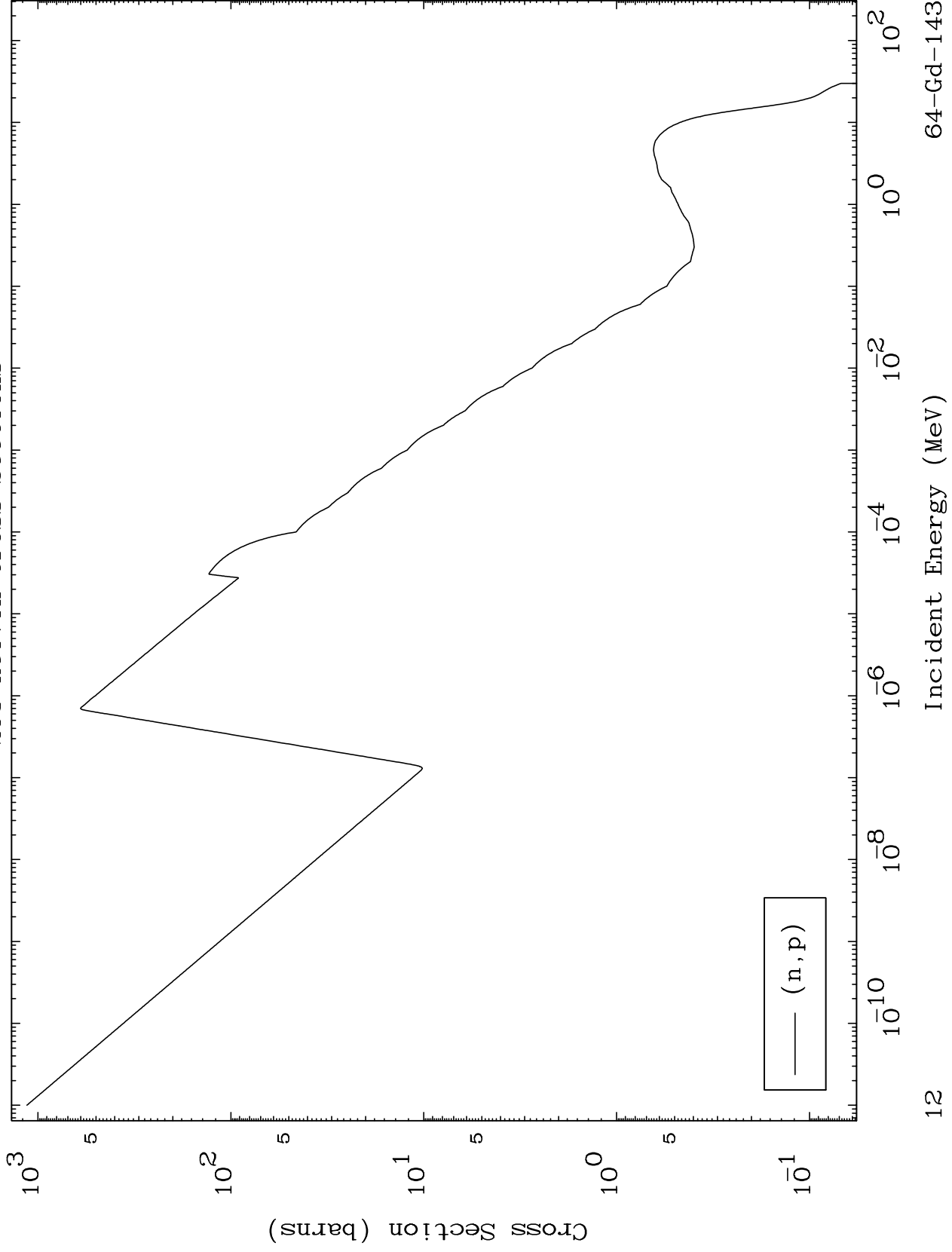
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MAT 6398

(n,p) Levels
293 Kelvin Cross Sections

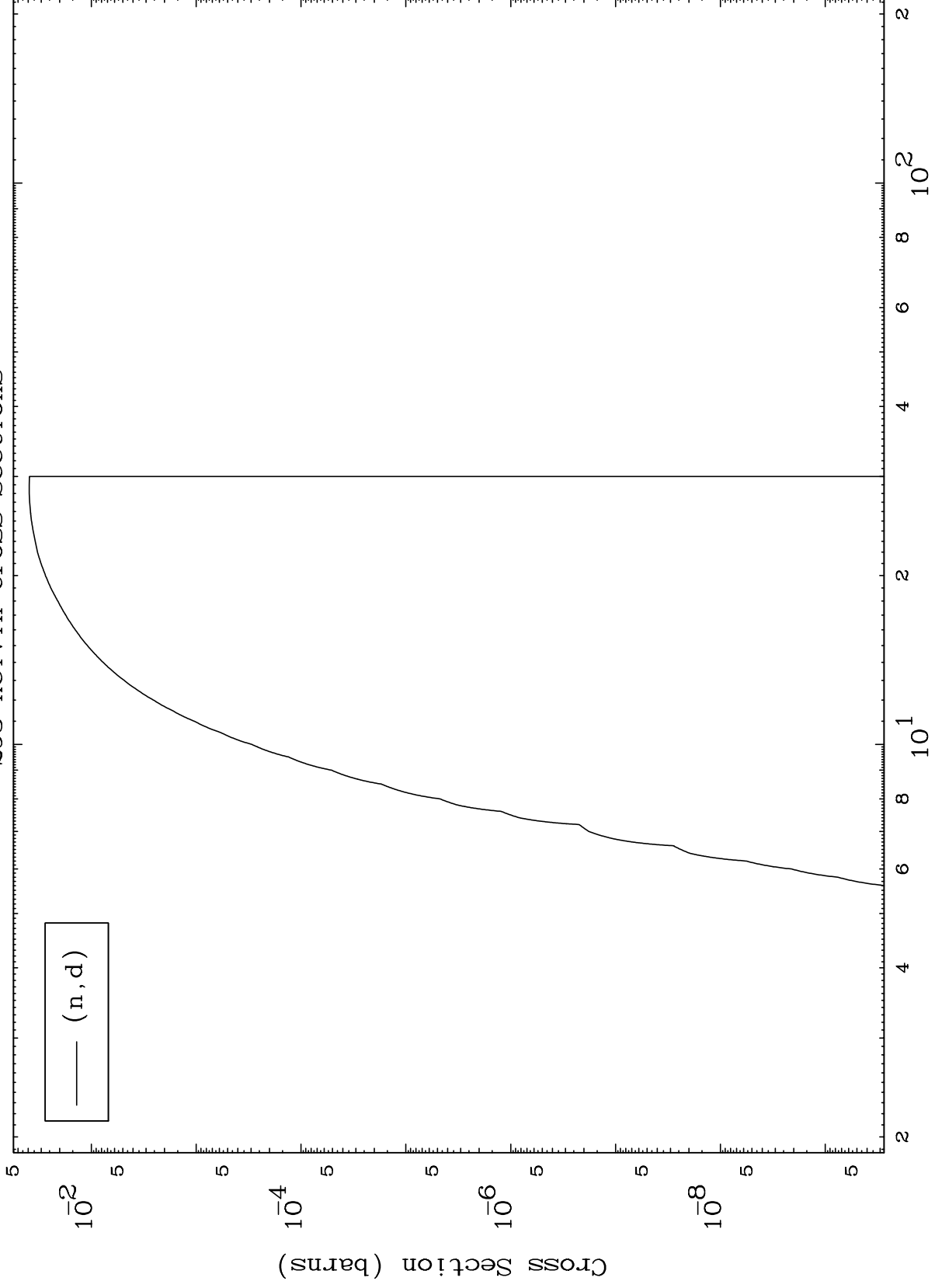
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MAT 6398

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-143



13

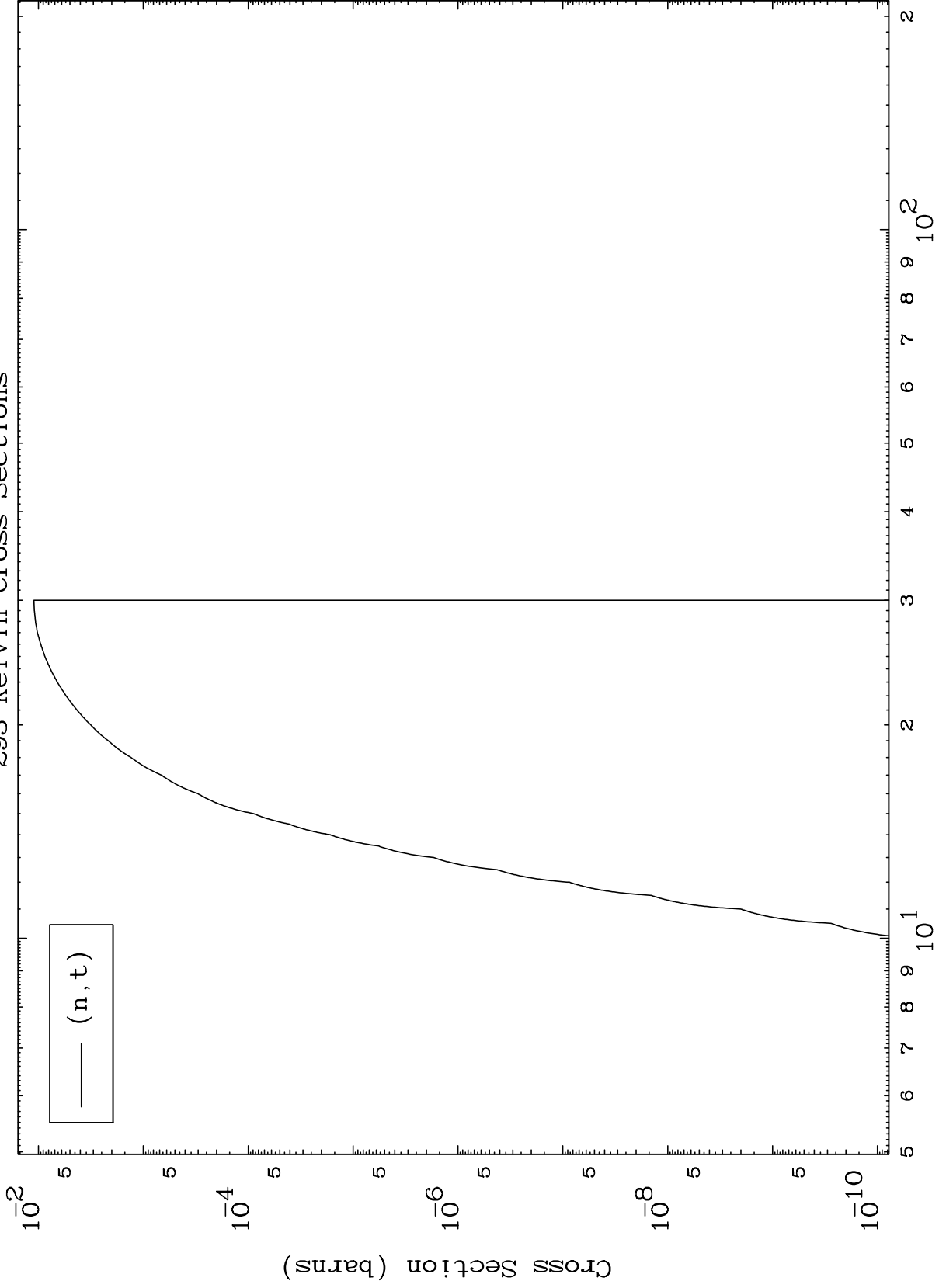
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-143



14

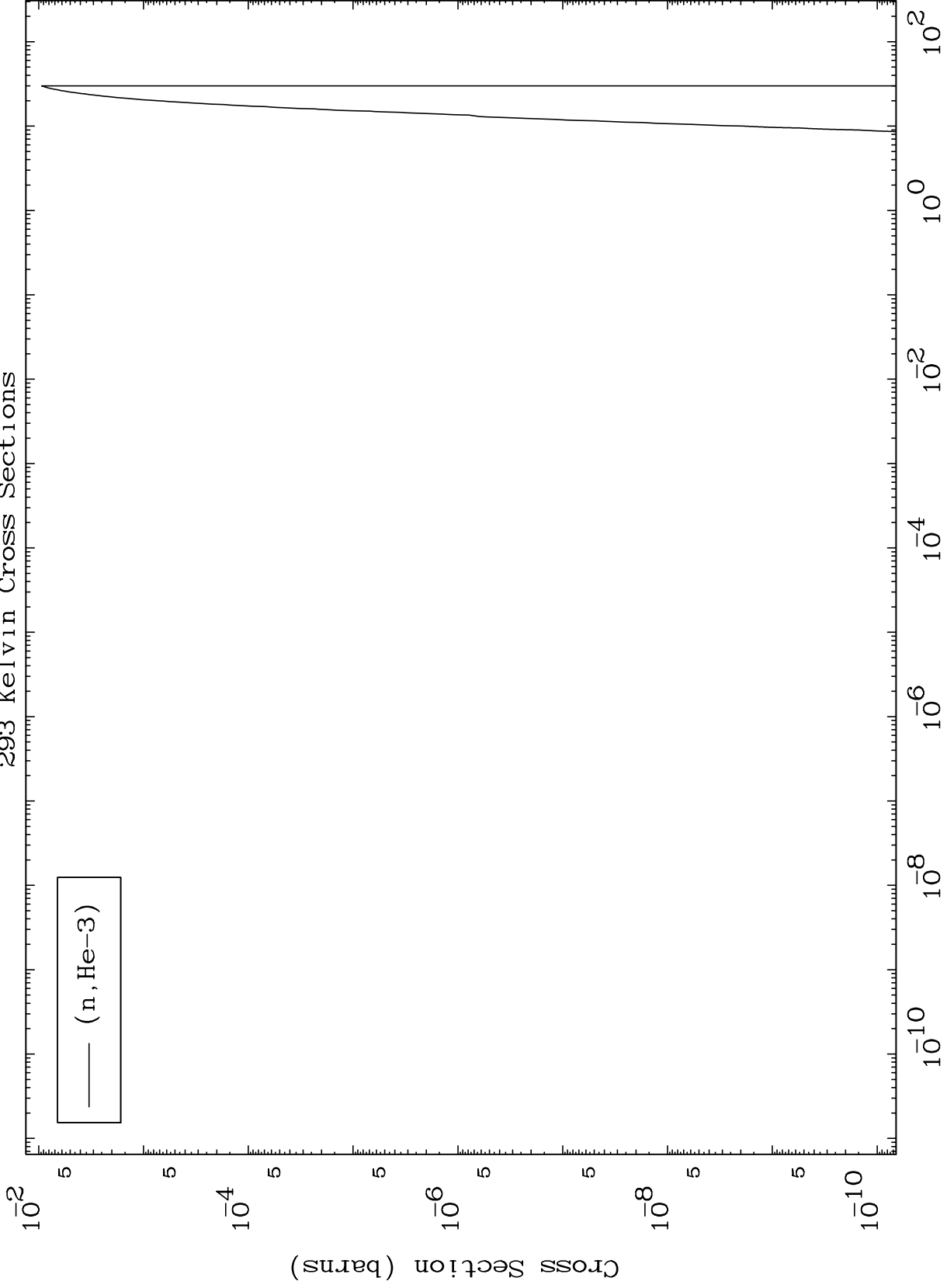
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64-Gd-143

MAT 6398

(n,He3) Levels
293 Kelvin Cross Sections

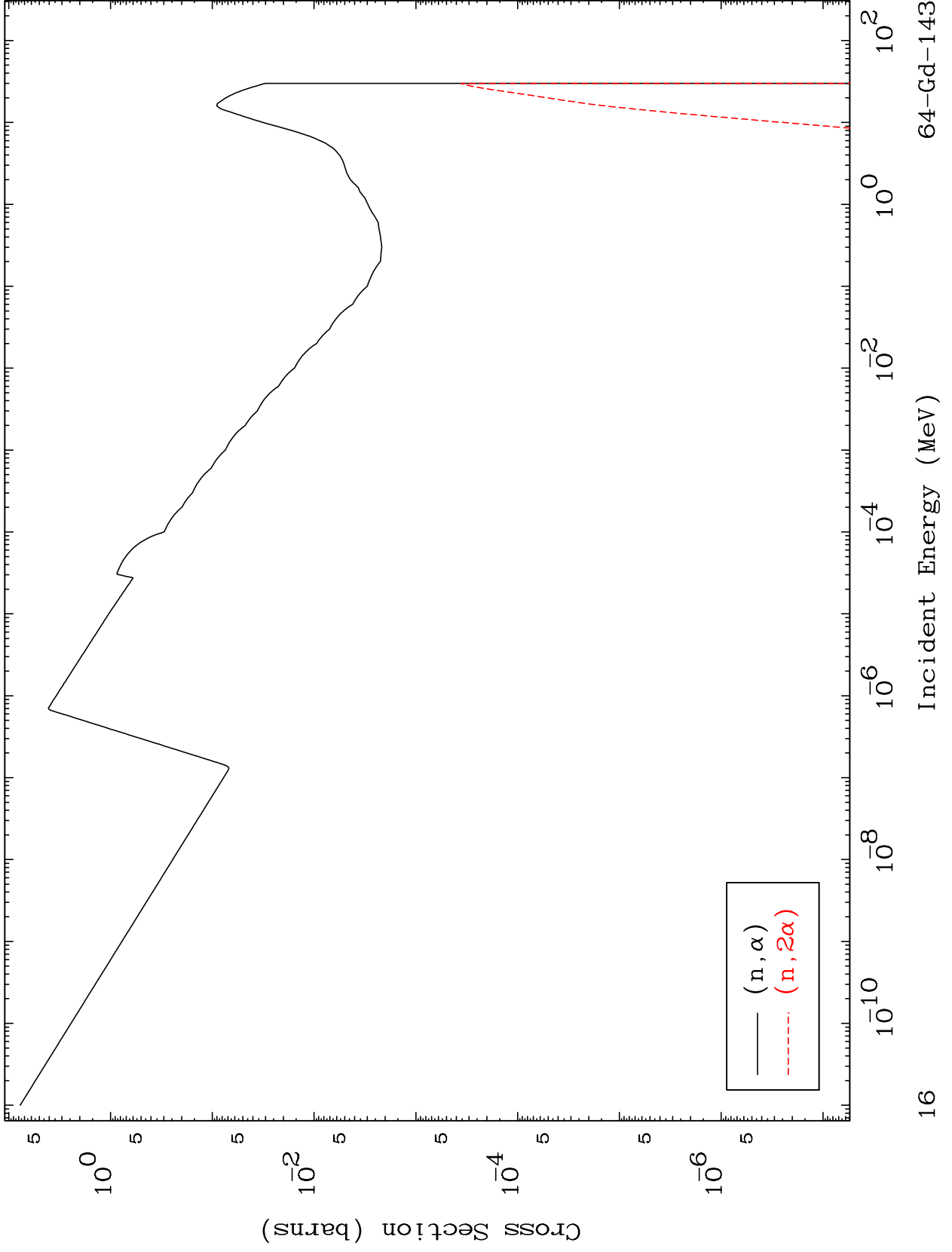
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MAT 6398

(n,α) Levels
293 Kelvin Cross Sections

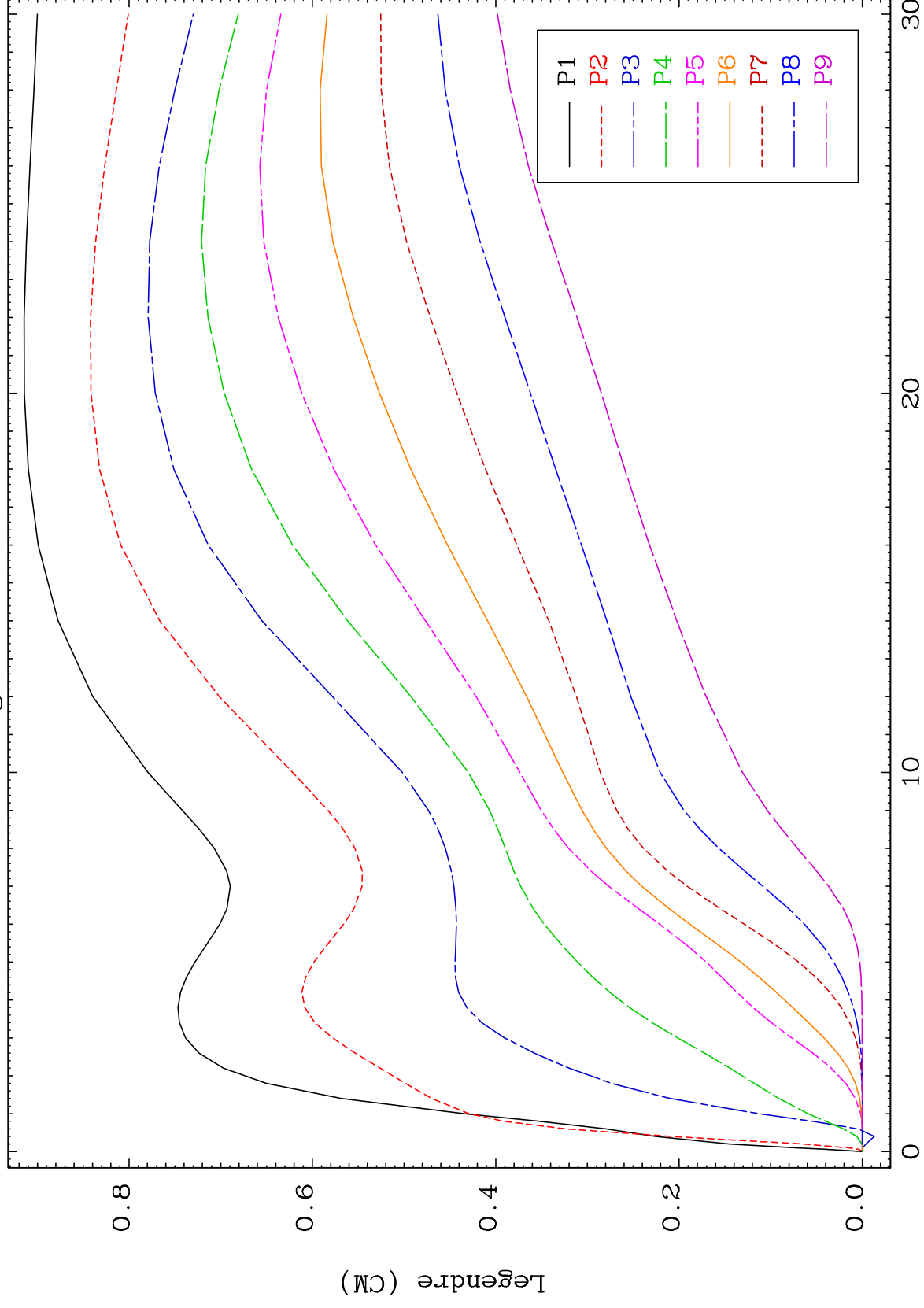
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MAT 6398

Elastic Legendre Coefficients

64-Gd-143



17

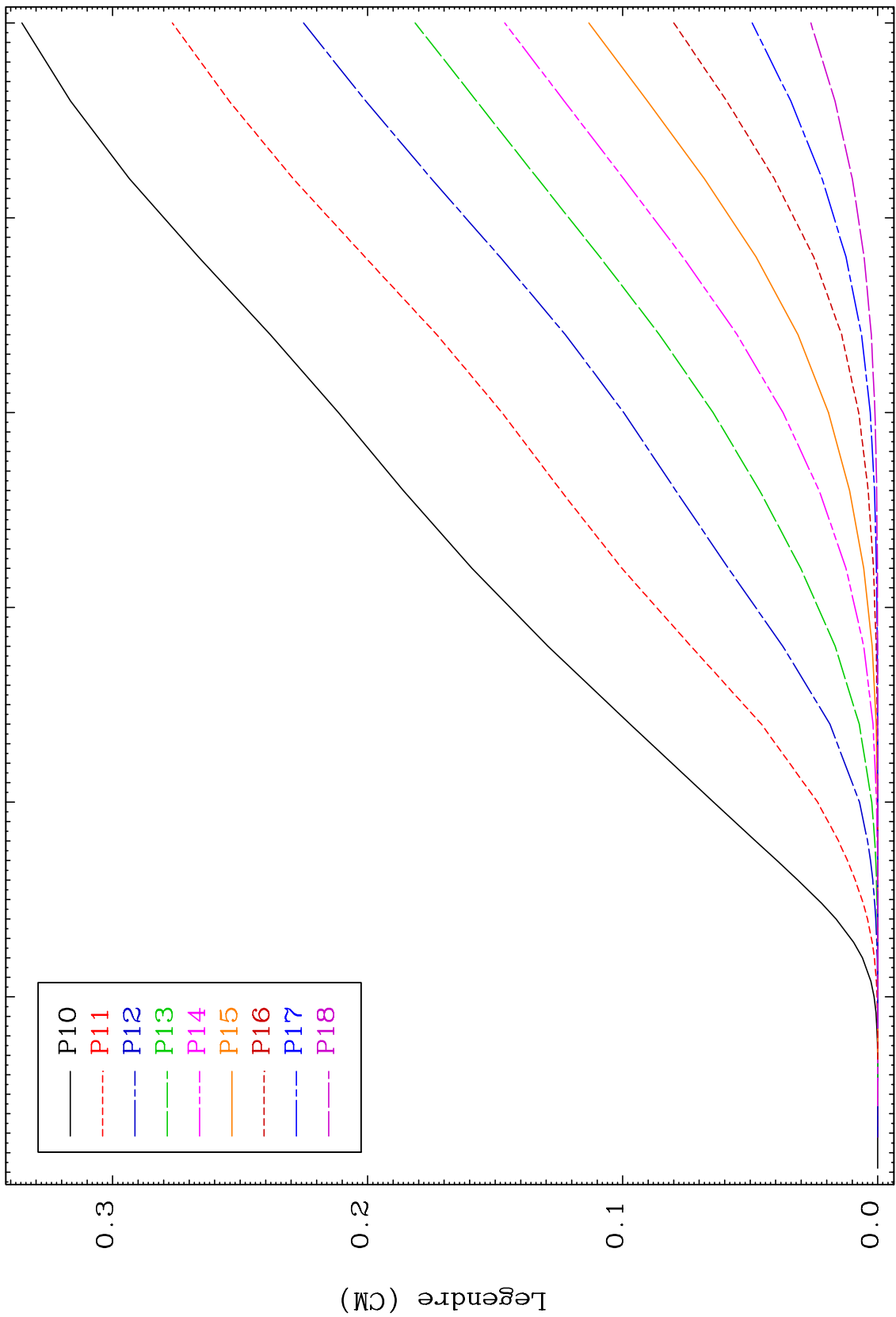
Incident Energy (MeV)

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MAT 6398

Elastic Legendre Coefficients

64-Gd-143



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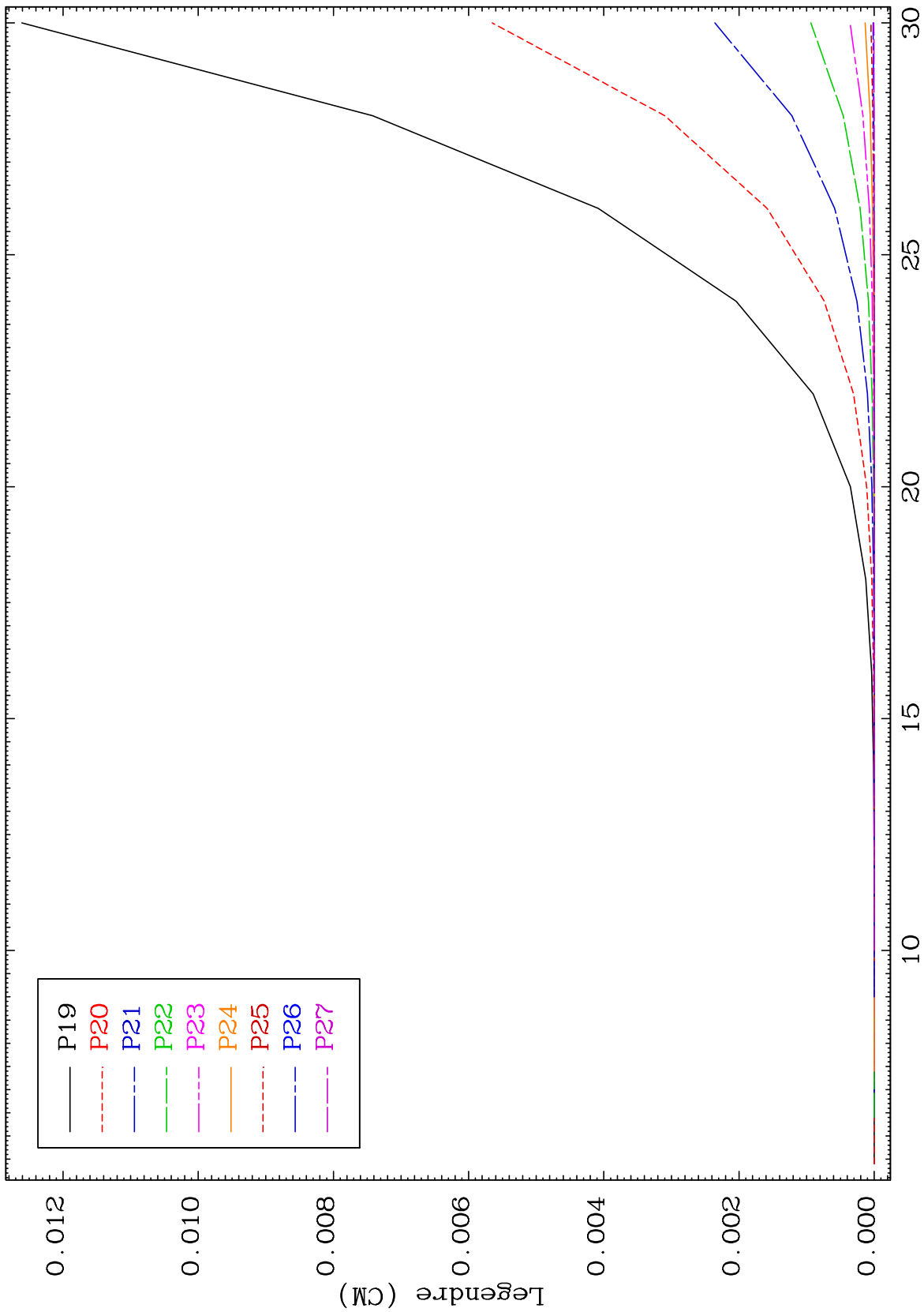
Incident Energy (MeV)

64-Gd-143

MAT 6398

Elastic Legendre Coefficients

64-Gd-143



19

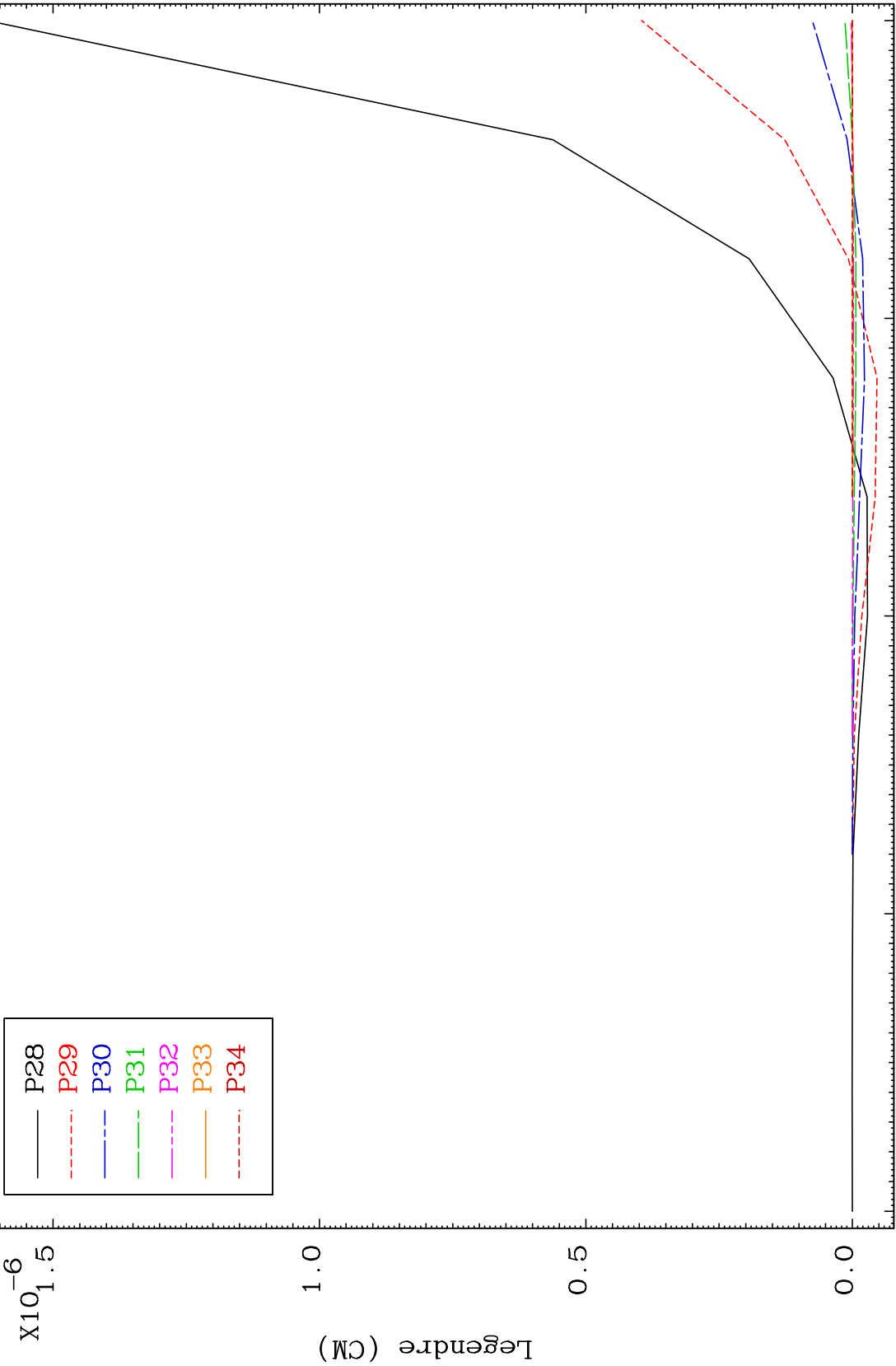
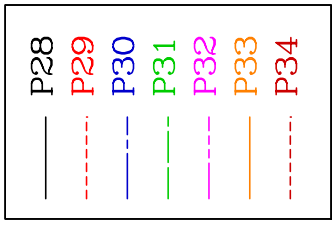
Incident Energy (MeV)

64-Gd-143

MAT 6398

Elastic Legendre Coefficients

64-Gd-143



64-Gd-143

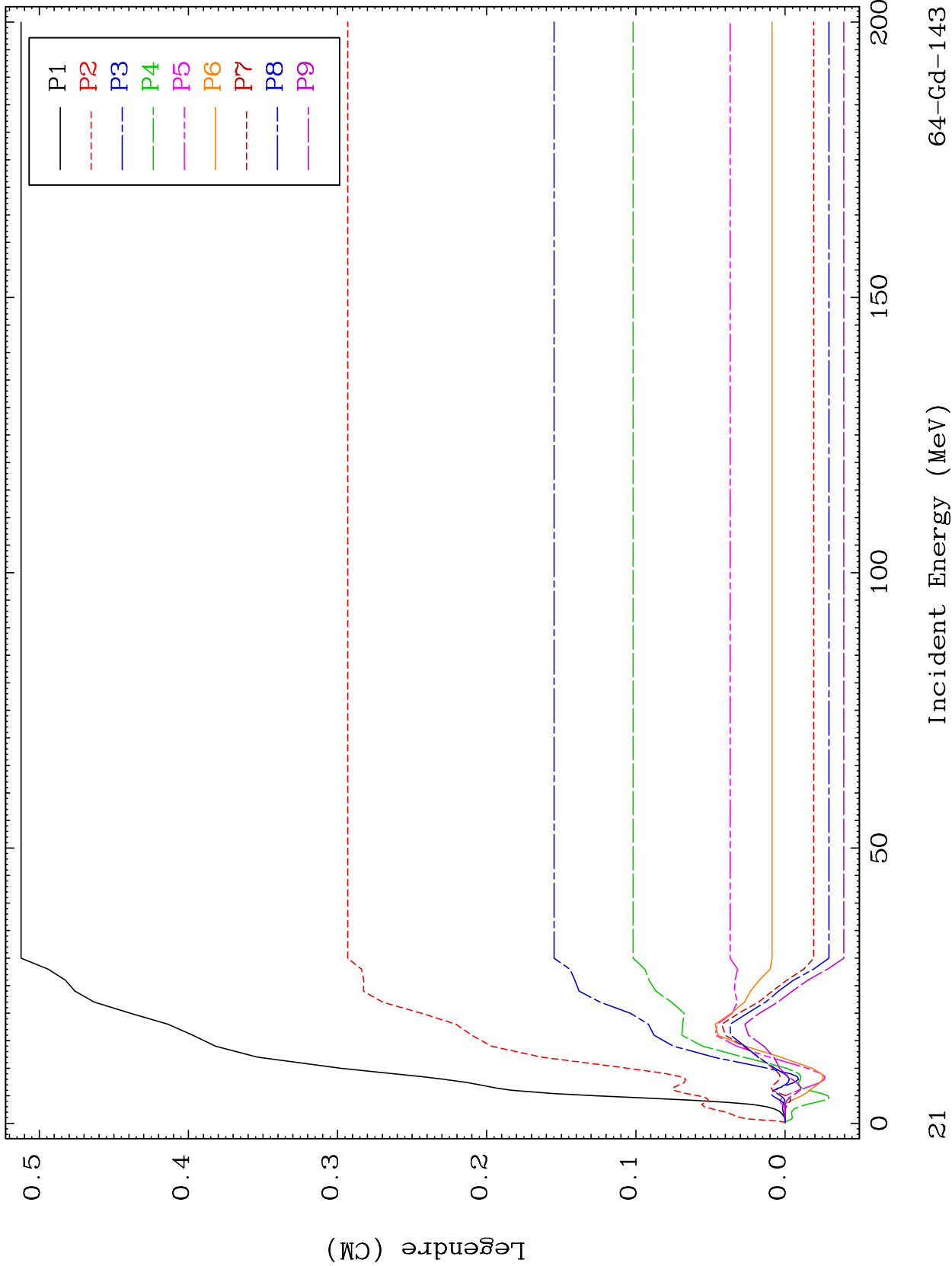
Incident Energy (MeV)

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MAT 6398

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

64-Gd-143

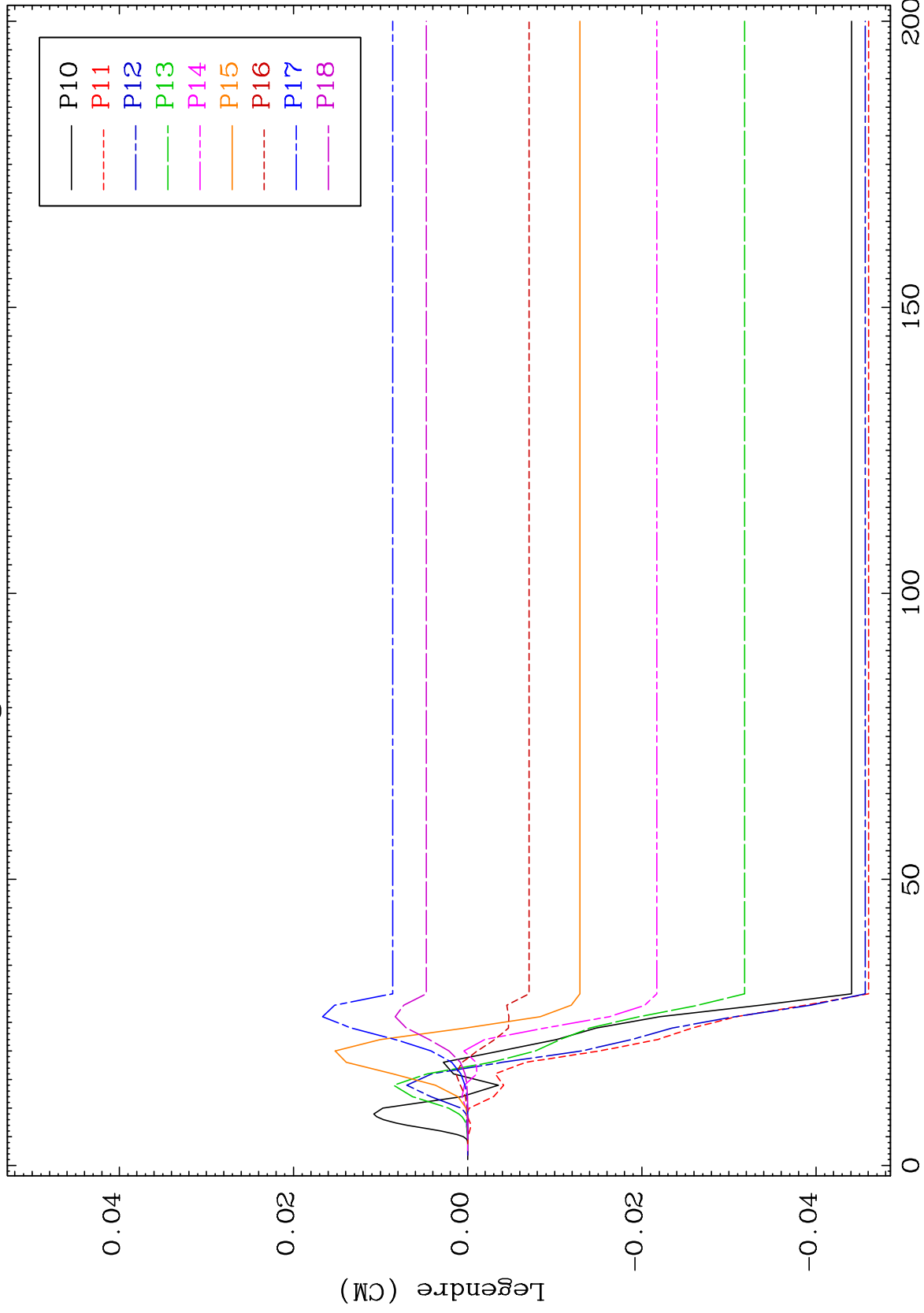


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MAT 6398

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

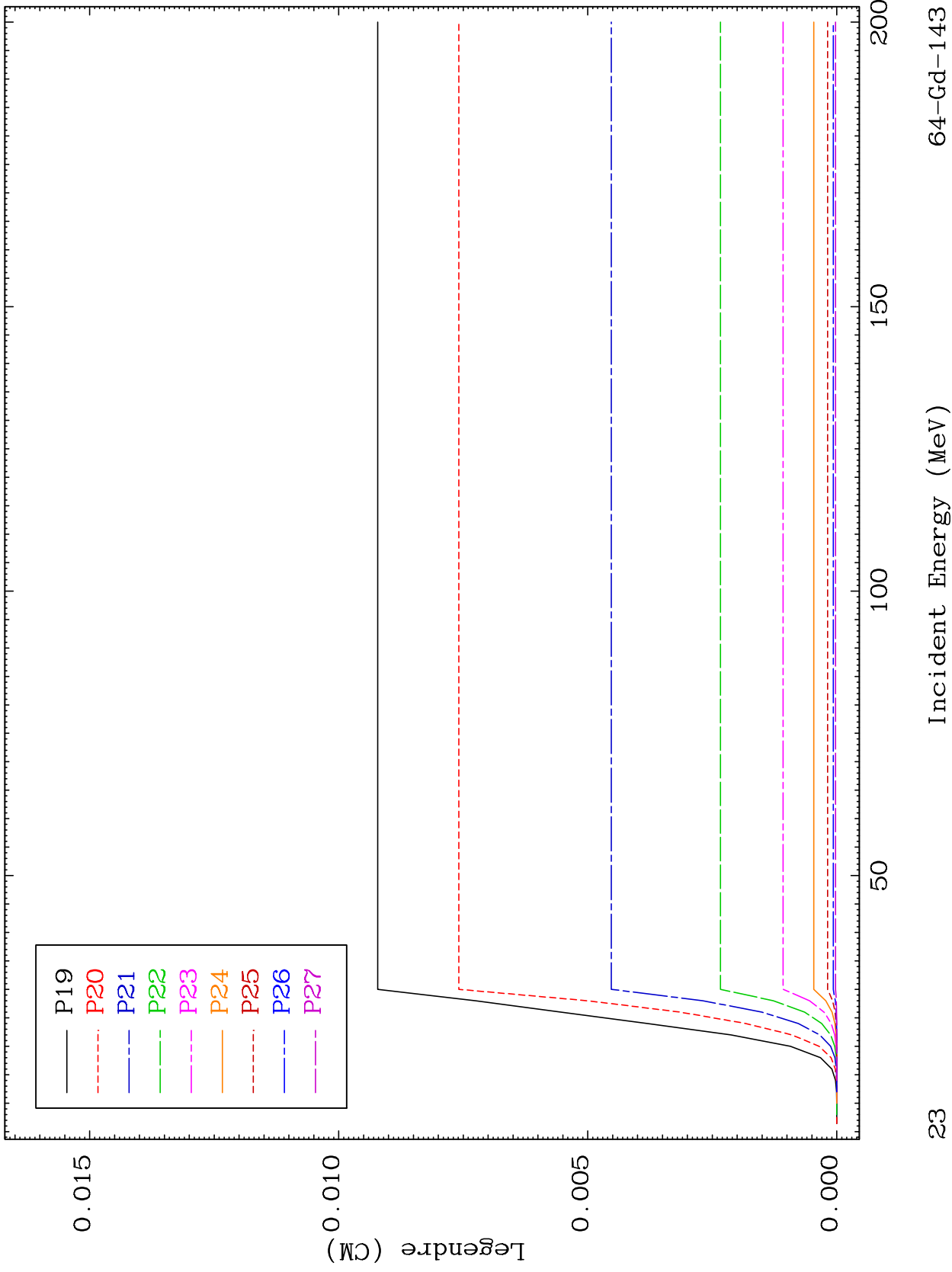
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Incident Energy (MeV)

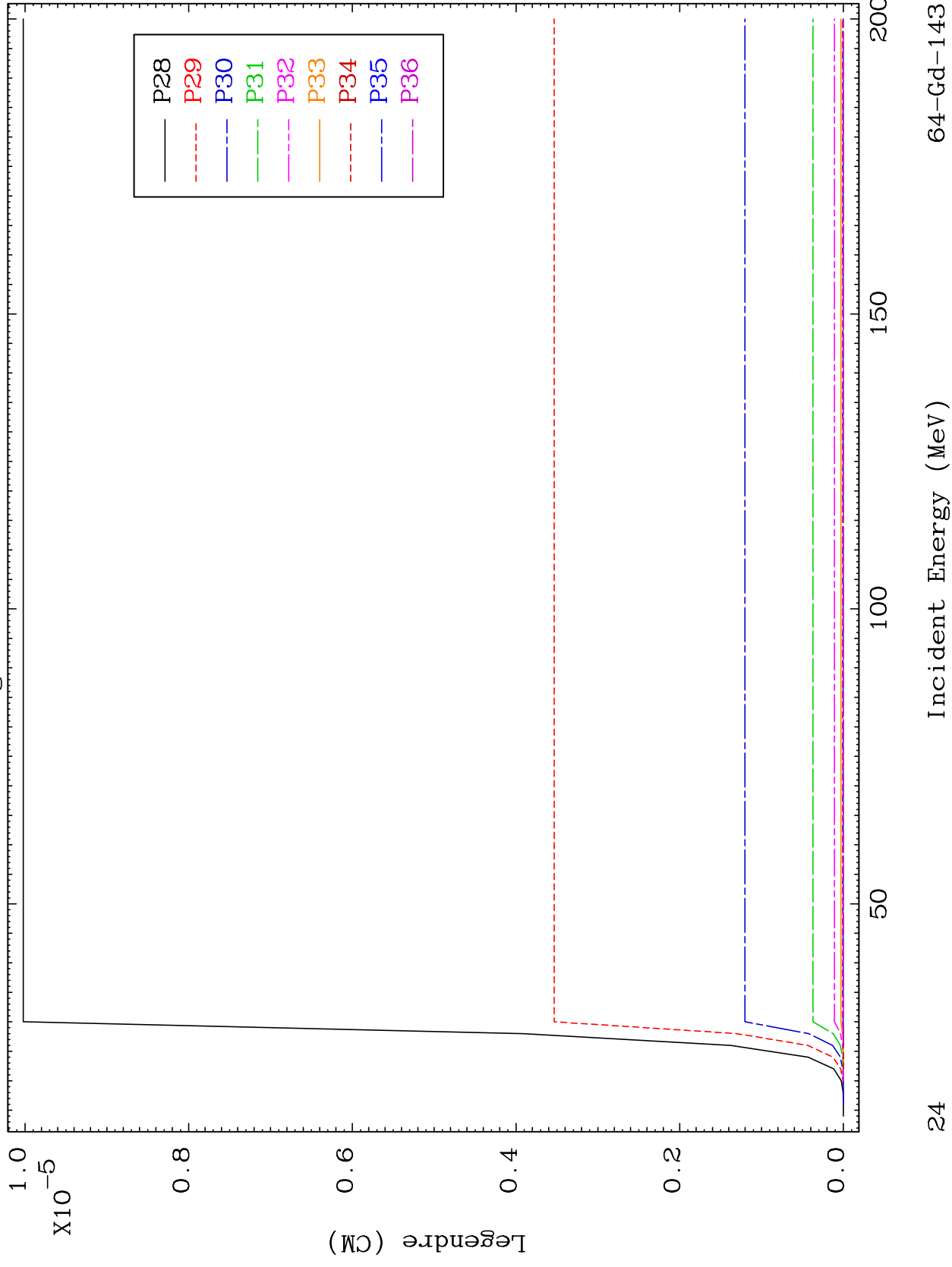
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MAT 6398

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

64-Gd-143



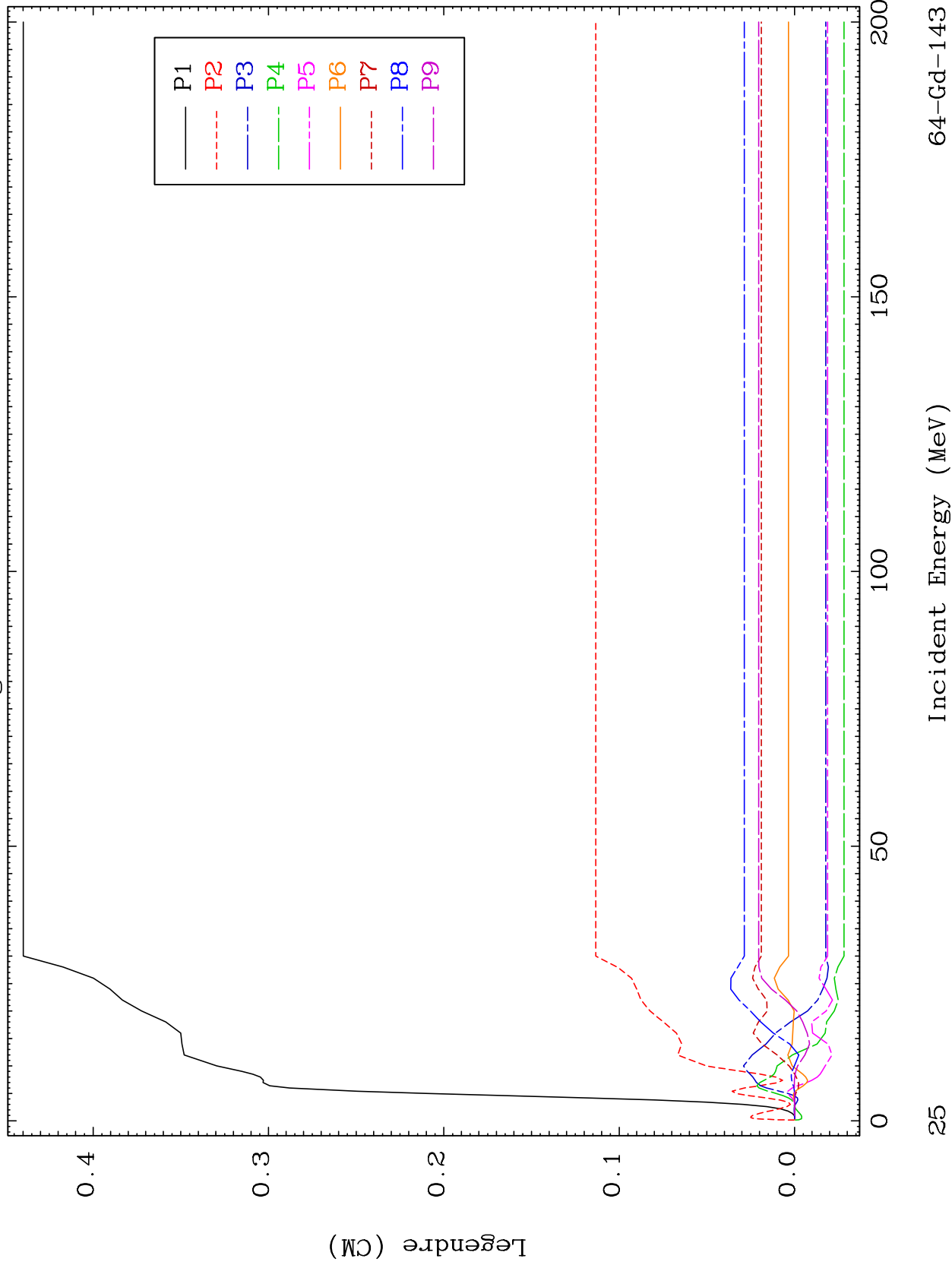
24

200

MAT 6398

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

64-Gd-143



64-Gd-143

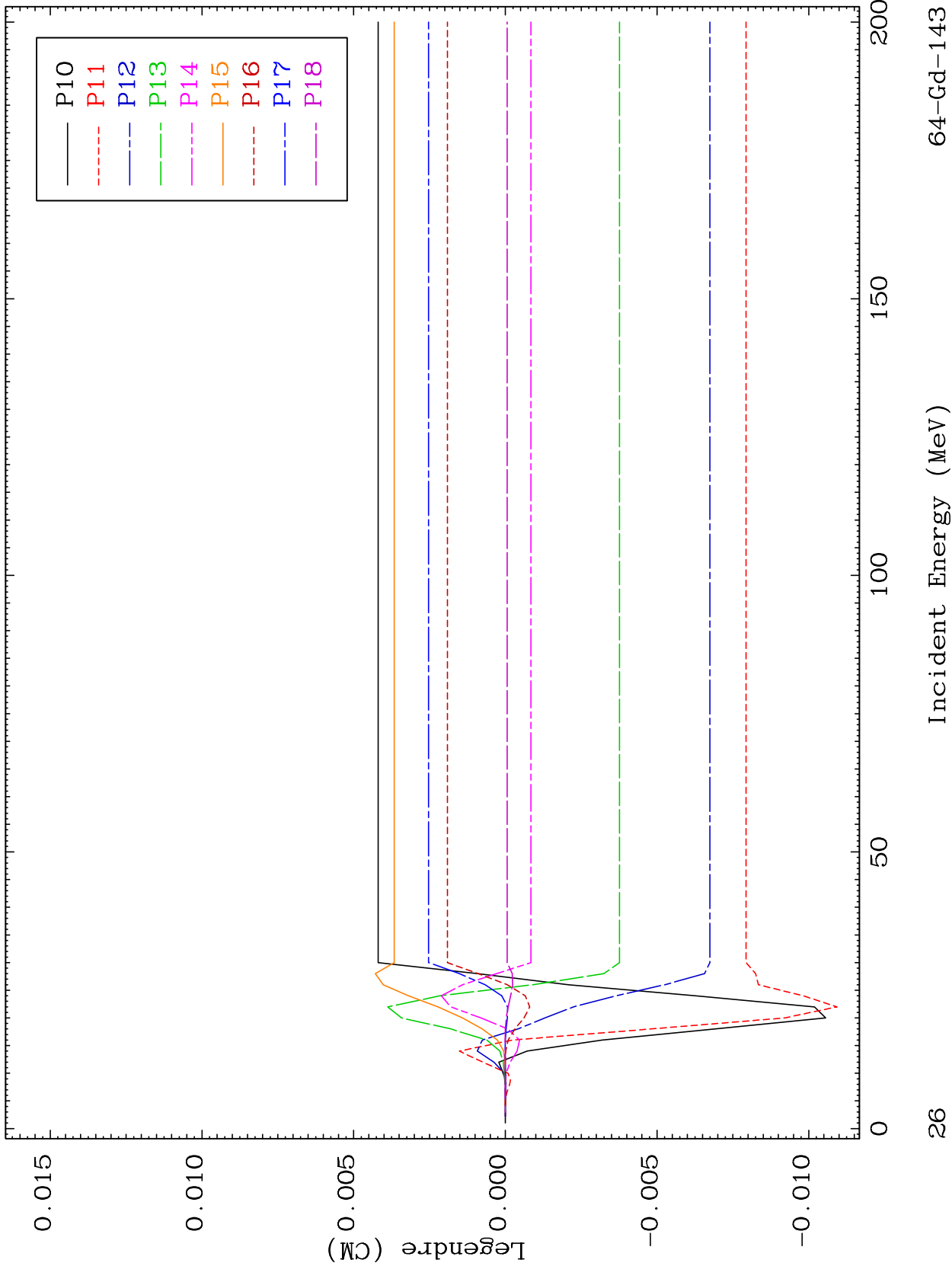
Incident Energy (MeV)

25

MAT 6398

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

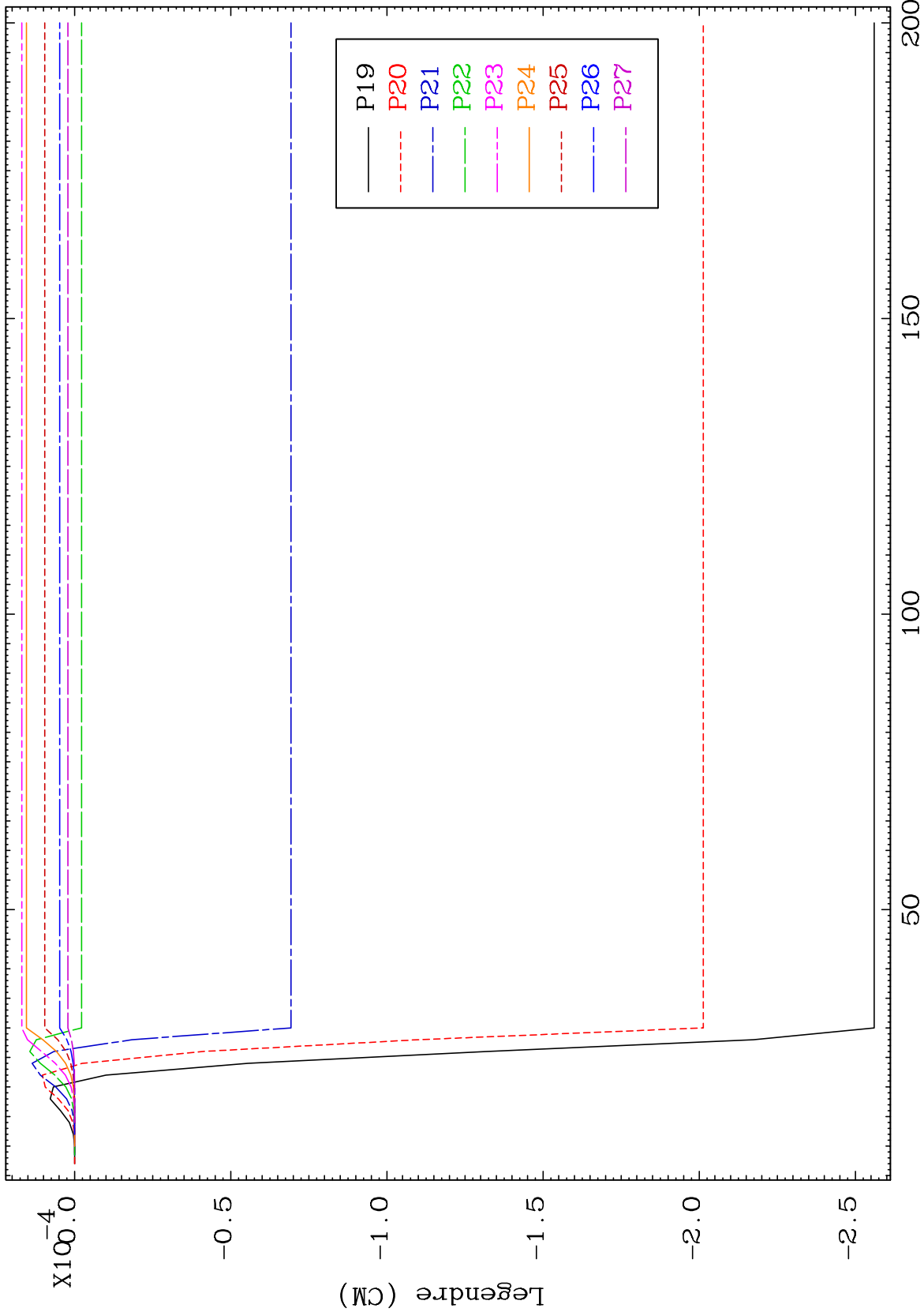
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64-Gd-143

Incident Energy (MeV)

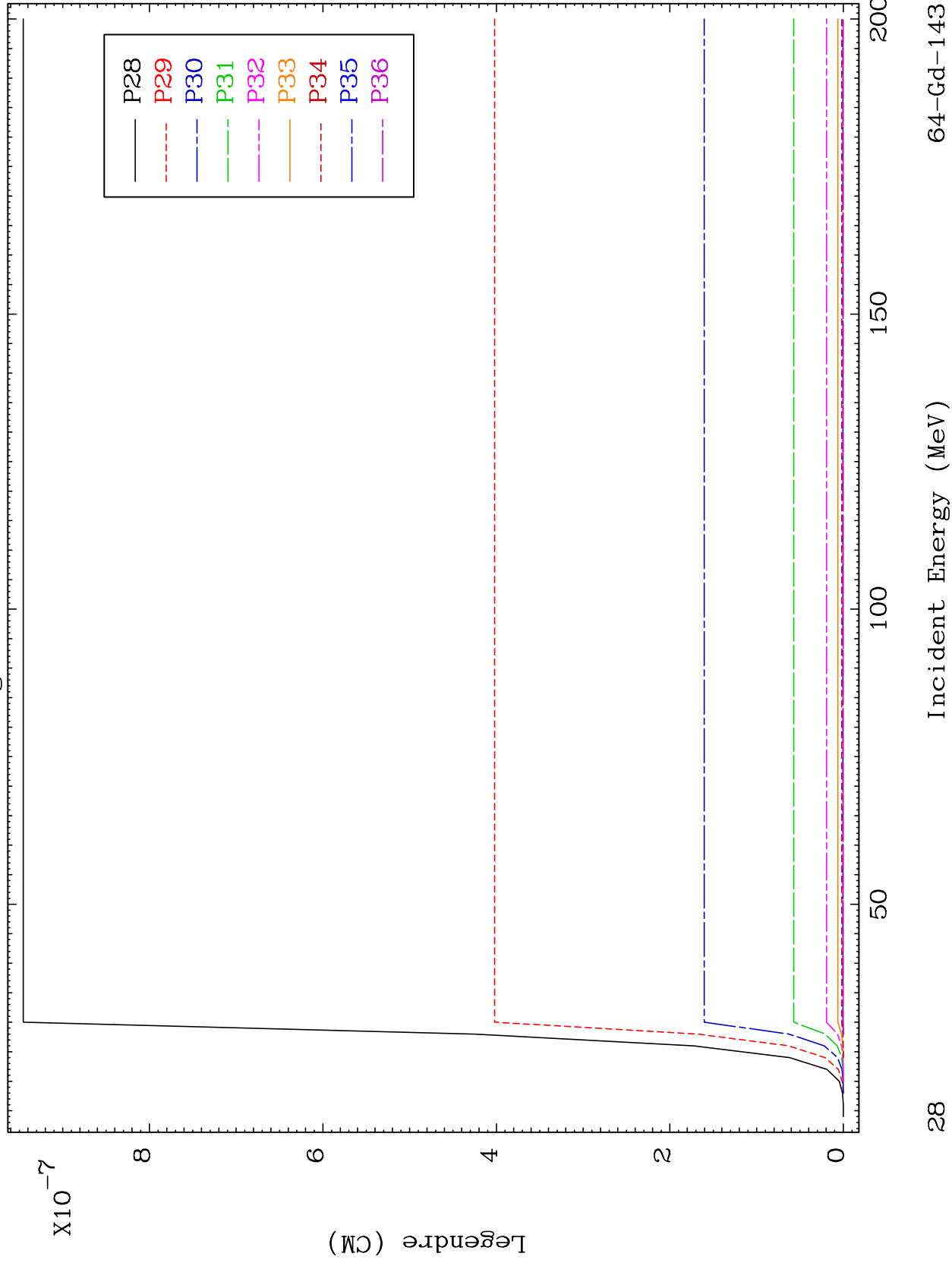
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MAT 6398

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

64-Gd-143



28

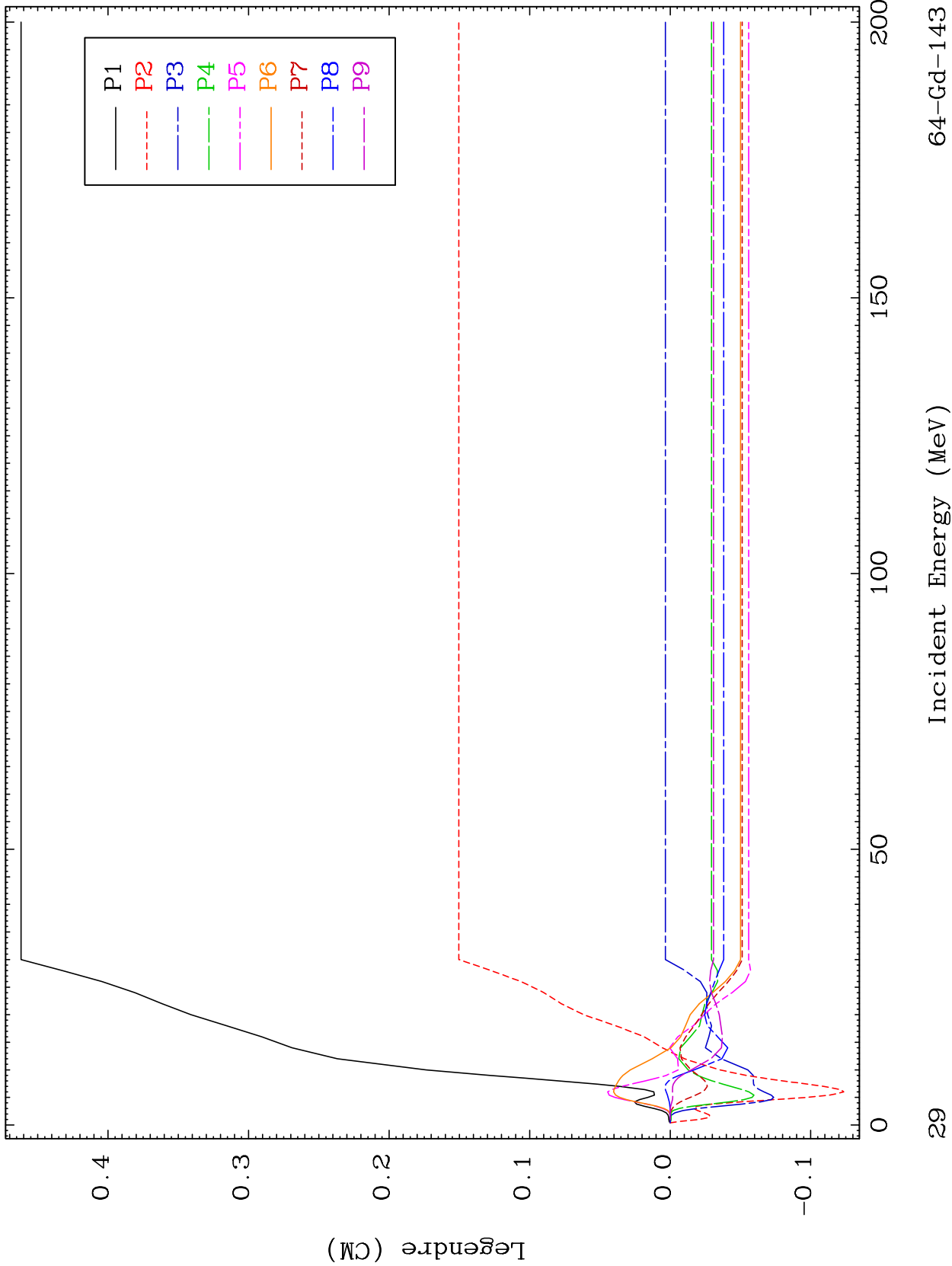
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



64-Gd-143

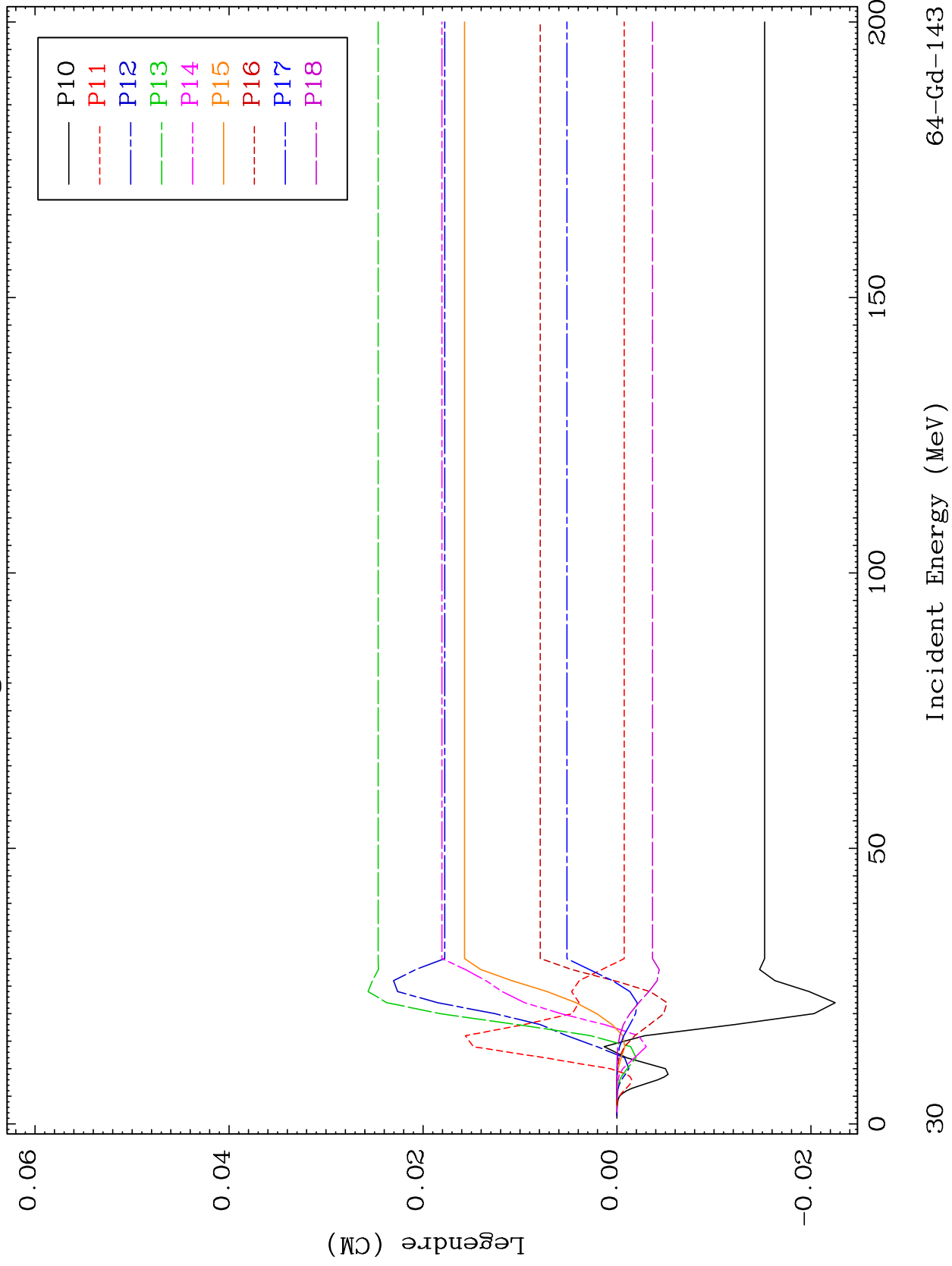
Incident Energy (MeV)

29

MAT 6398

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

64-Gd-143

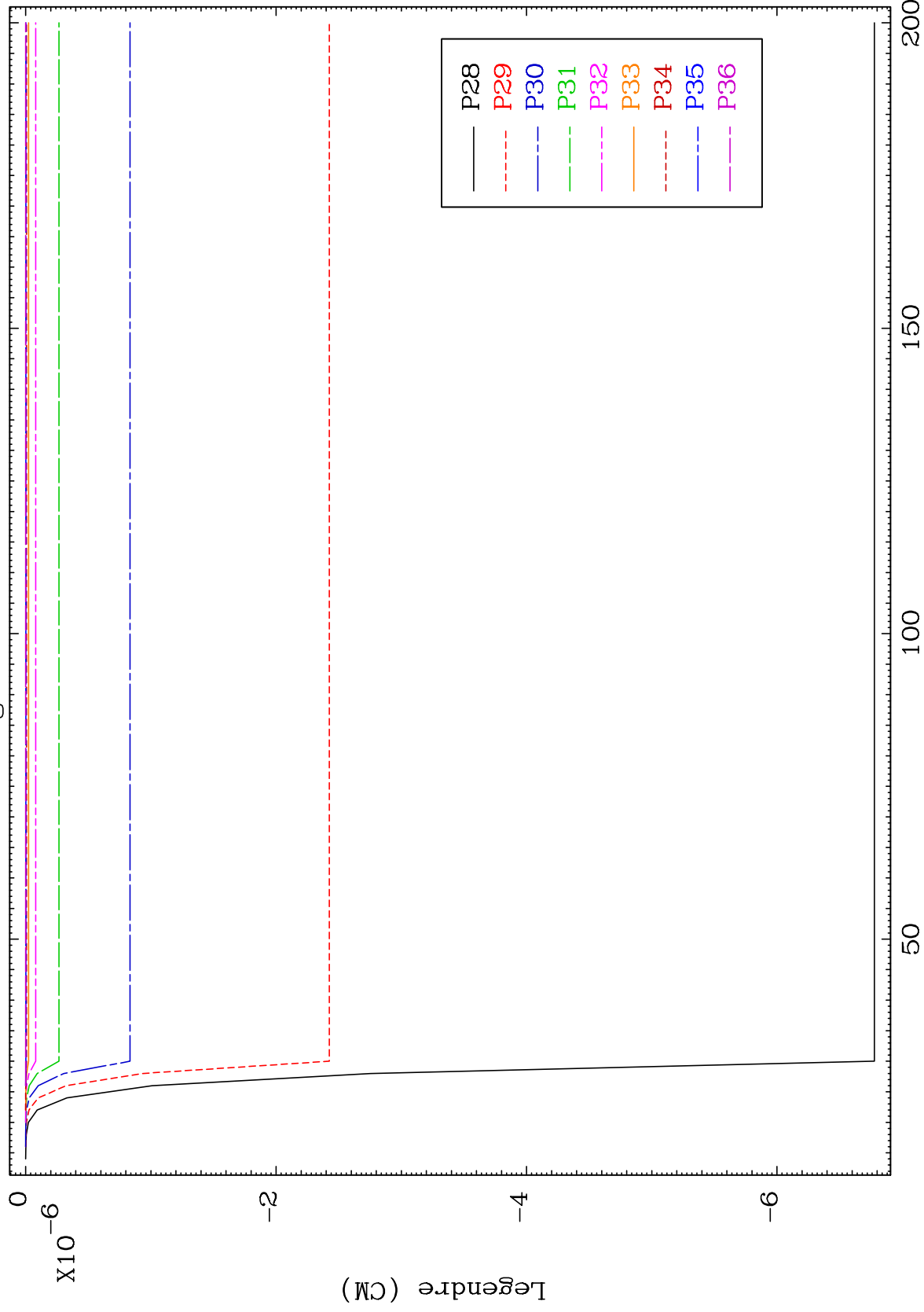


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MAT 6398

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

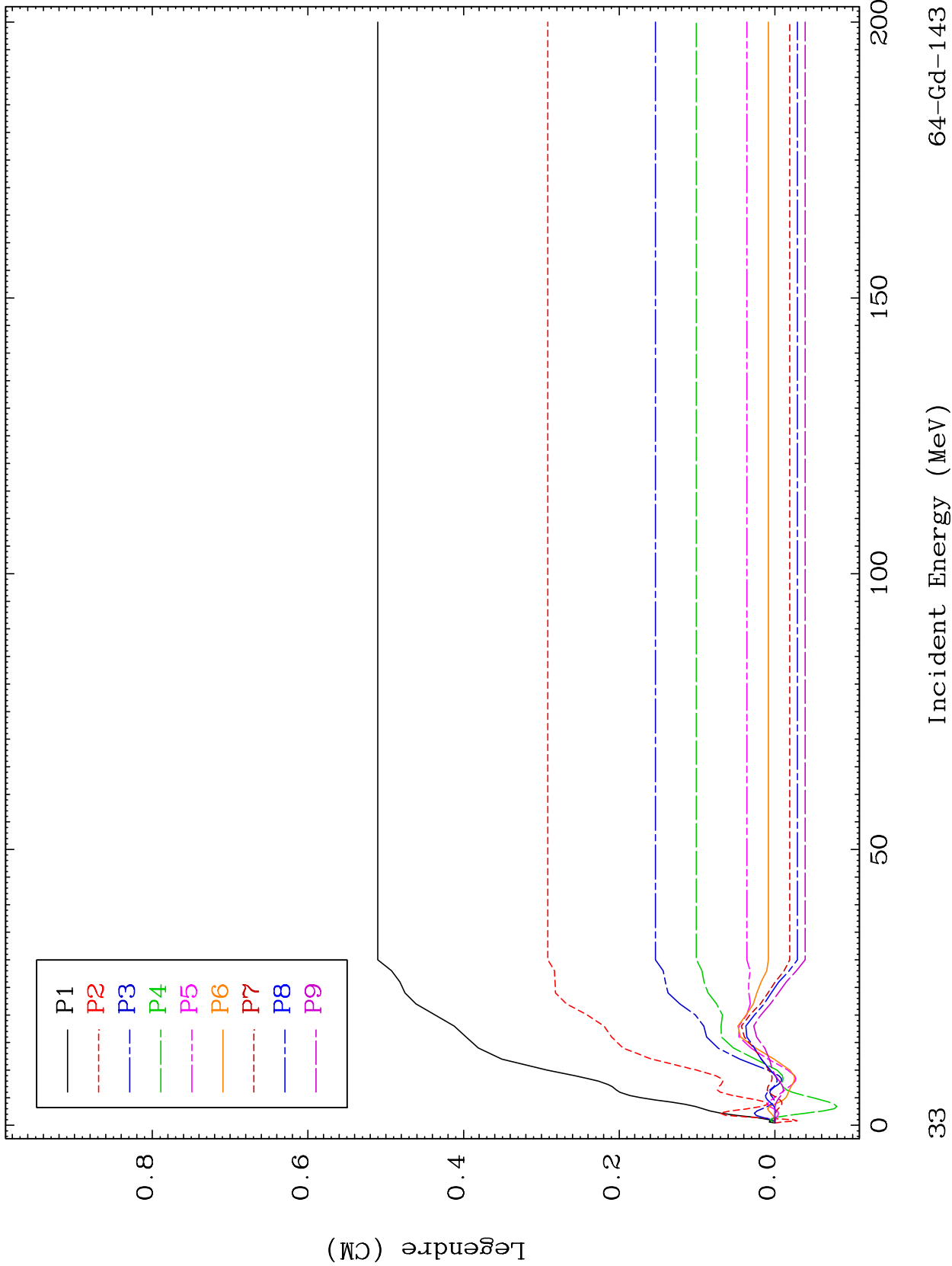
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32

Incident Energy (MeV)

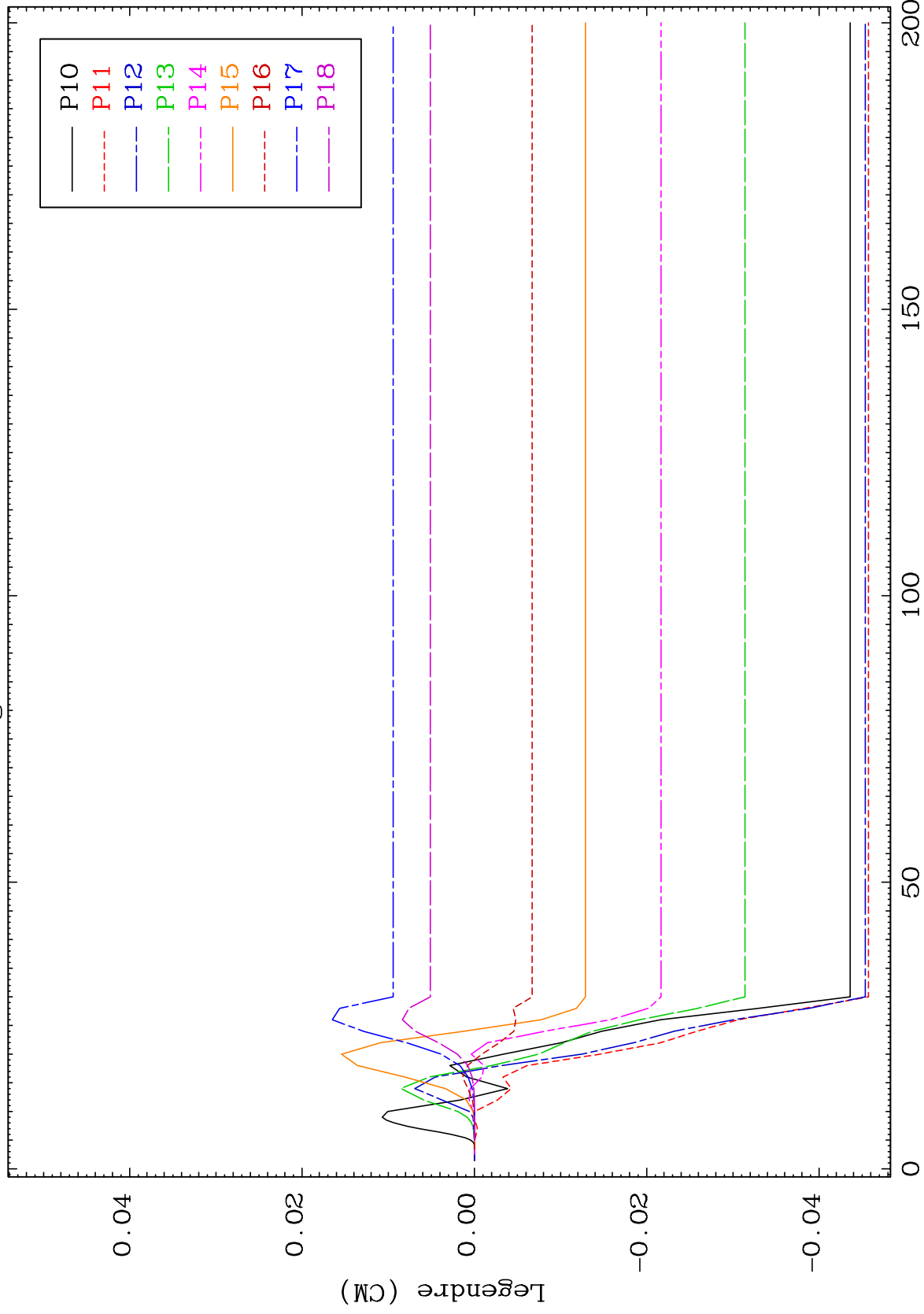
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MAT 6398

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

64-Gd-143



34

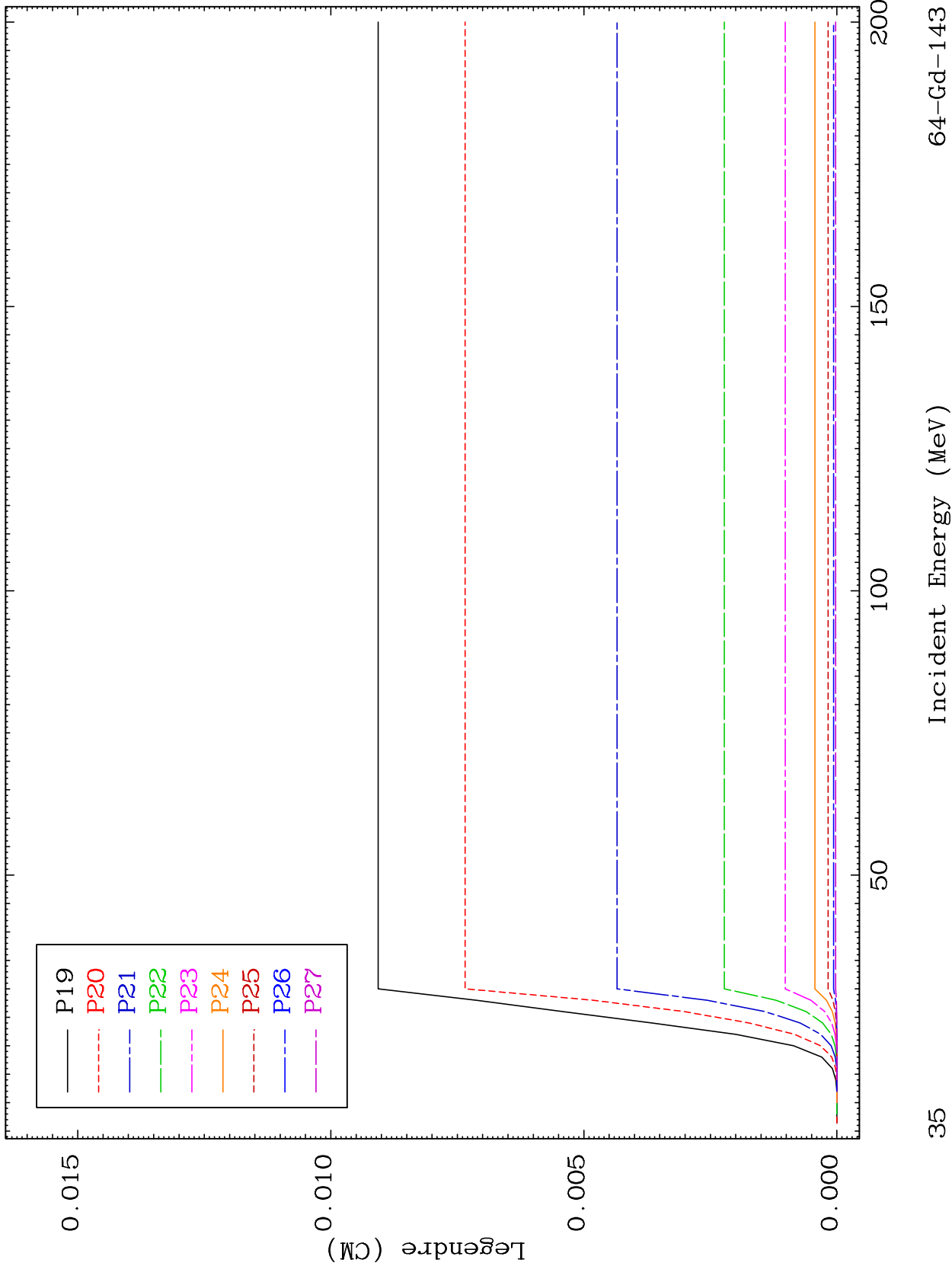
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



35

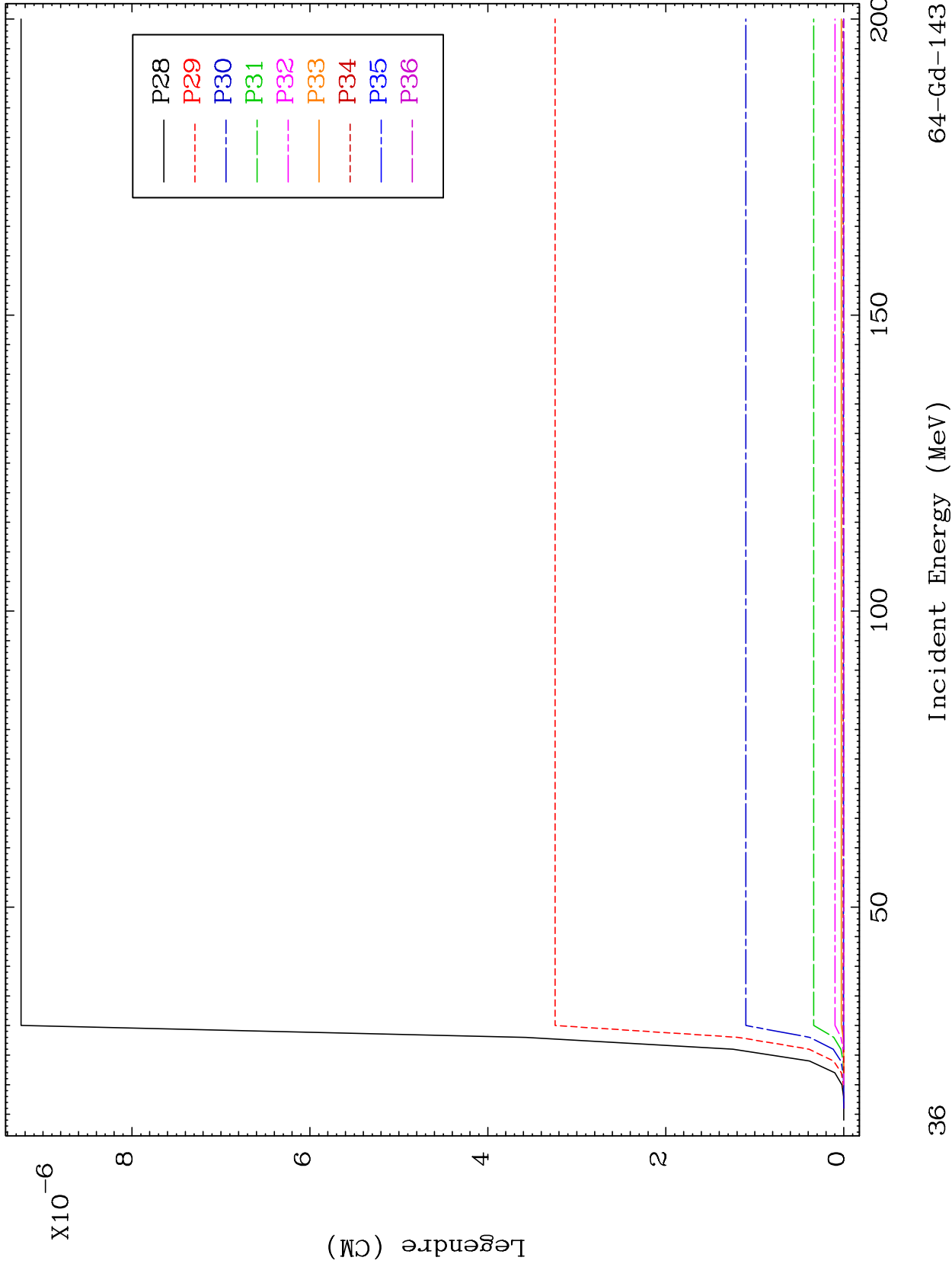
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



36

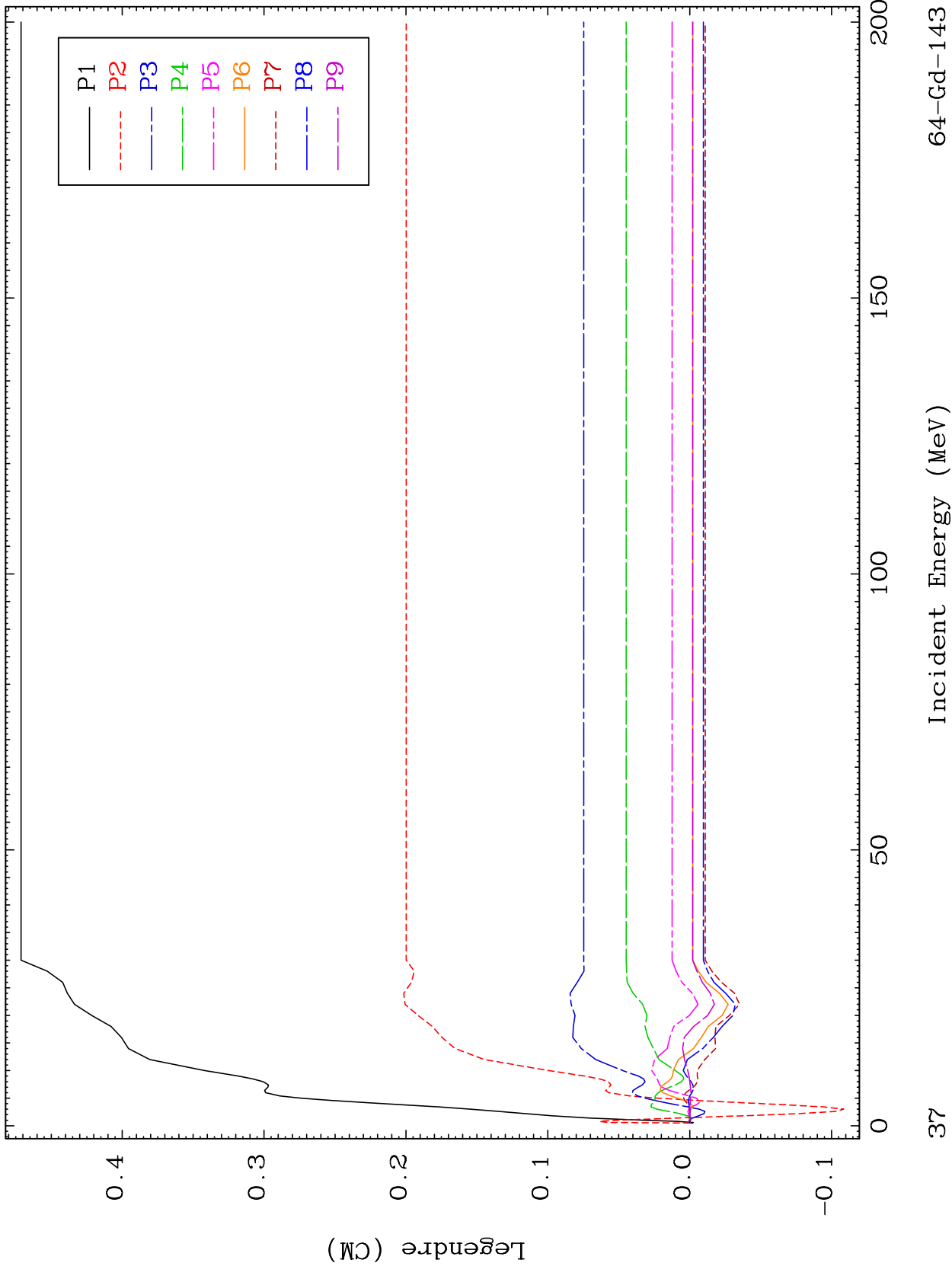
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



64-Gd-143

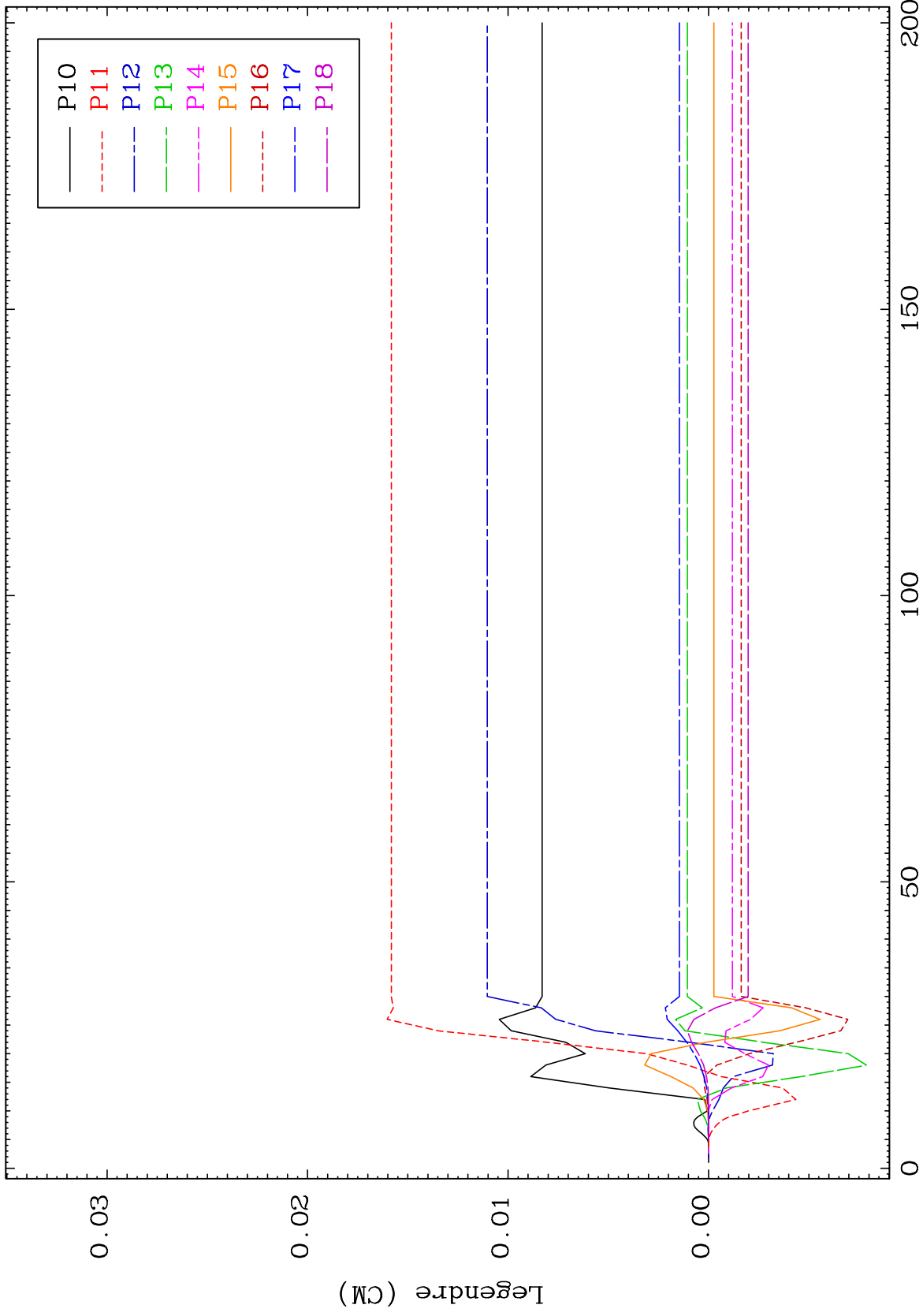
Incident Energy (MeV)

37

MAT 6398

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

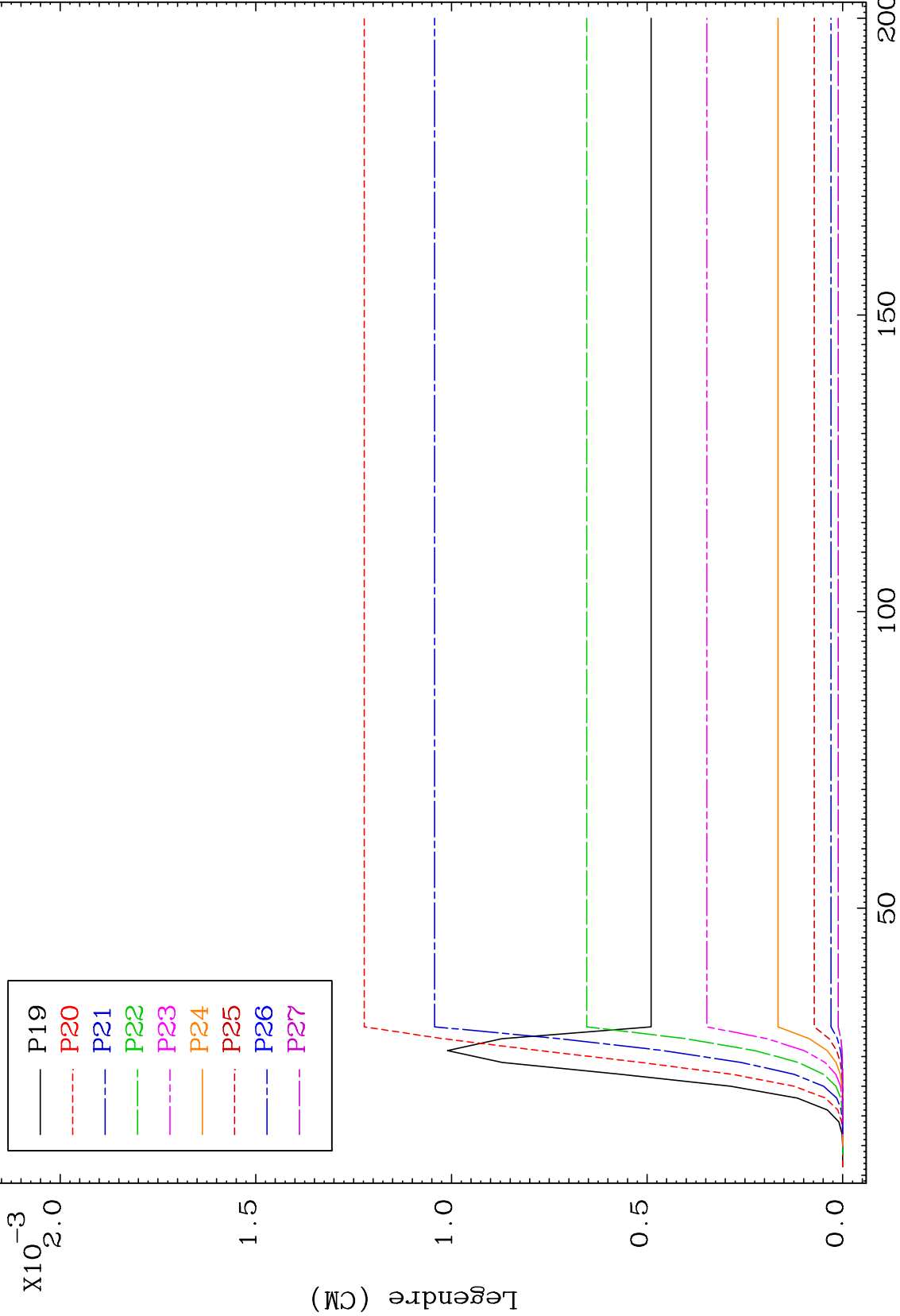
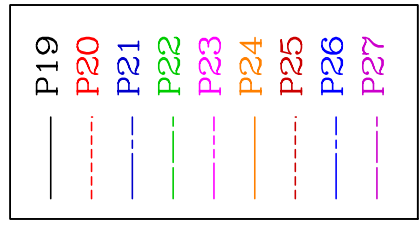
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38

Incident Energy (MeV)

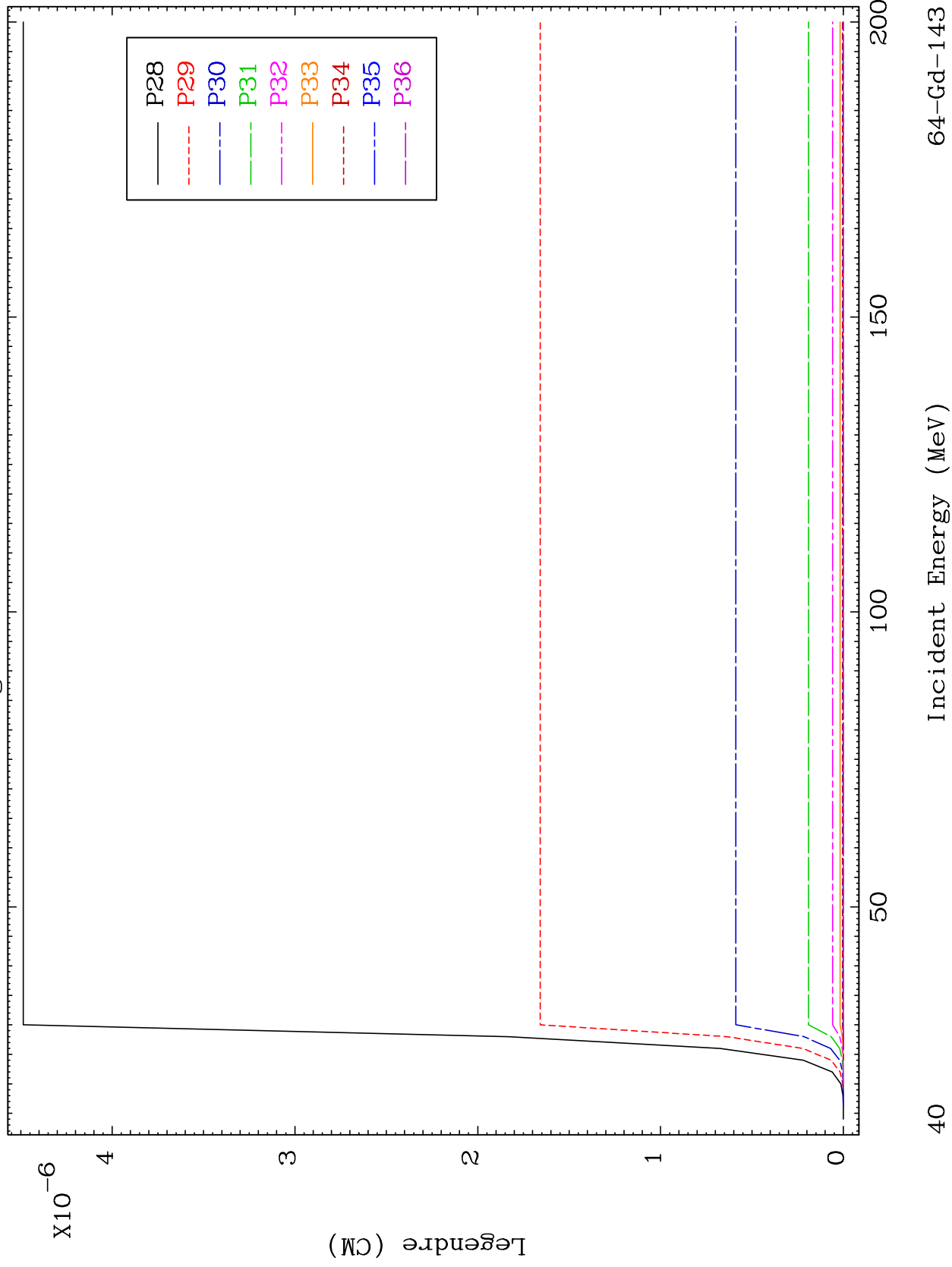
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MAT 6398

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

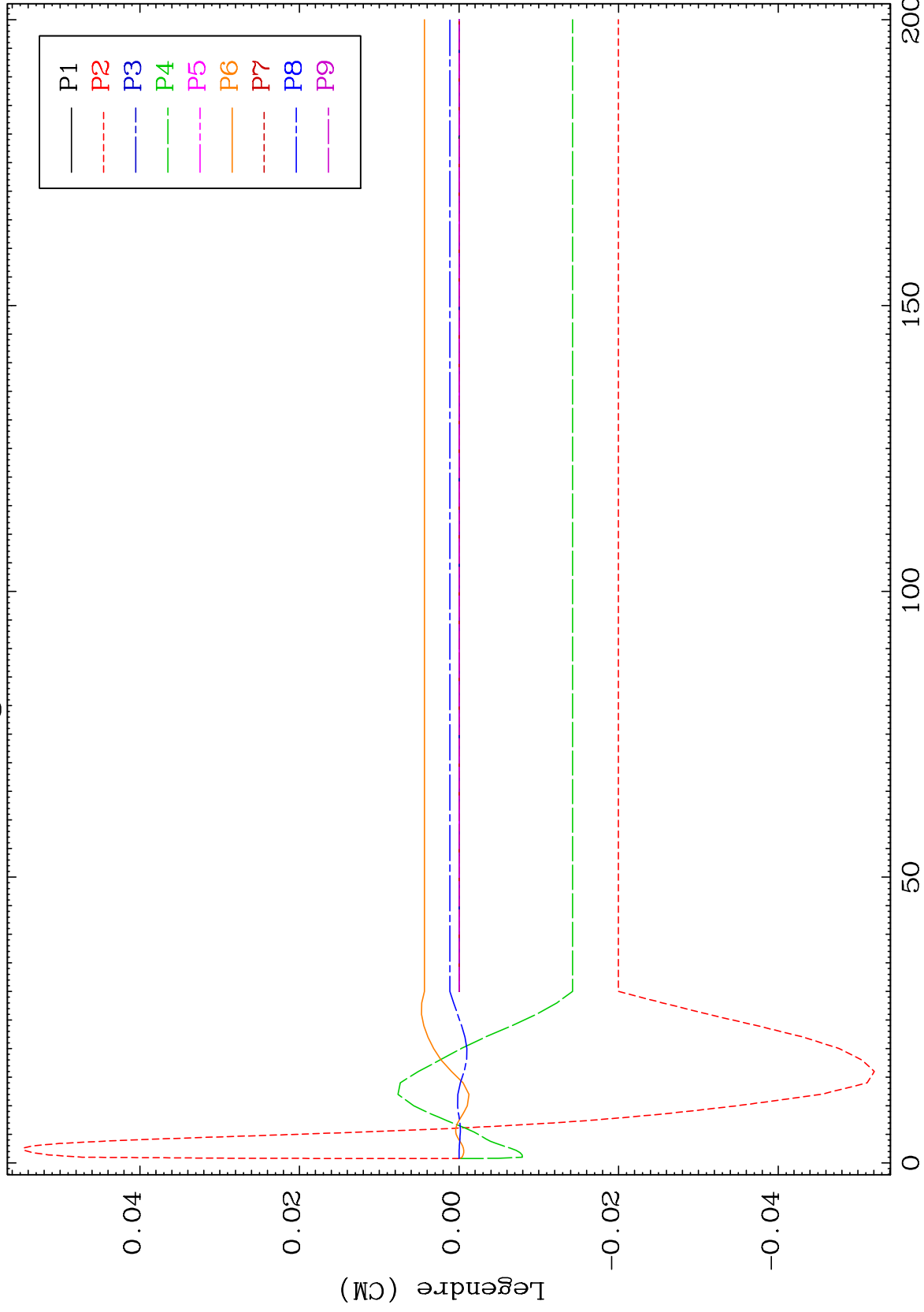
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MAT 6398

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

64-Gd-143



64-Gd-143

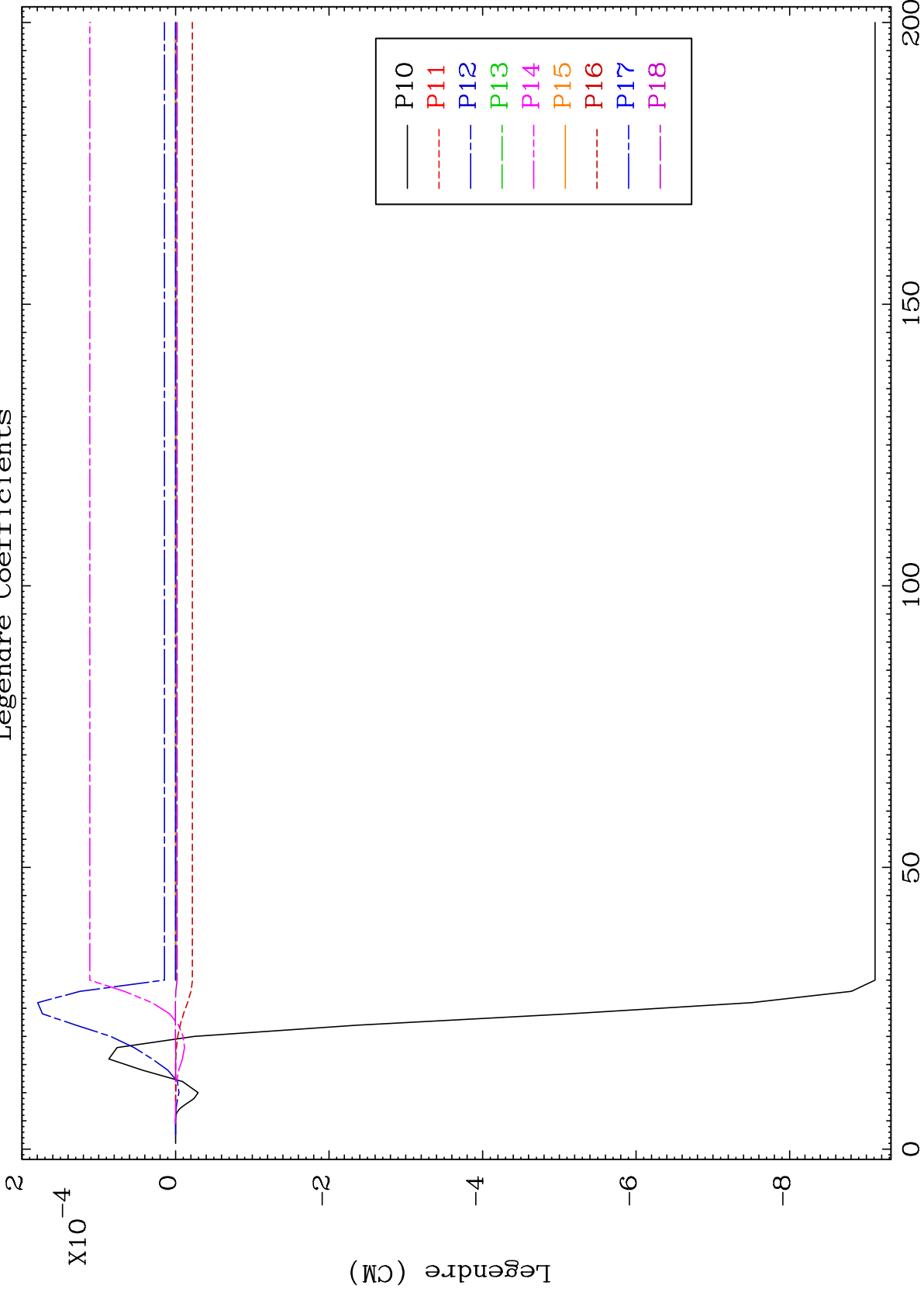
Incident Energy (MeV)

41

MAT 6398

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

64-Gd-143



42

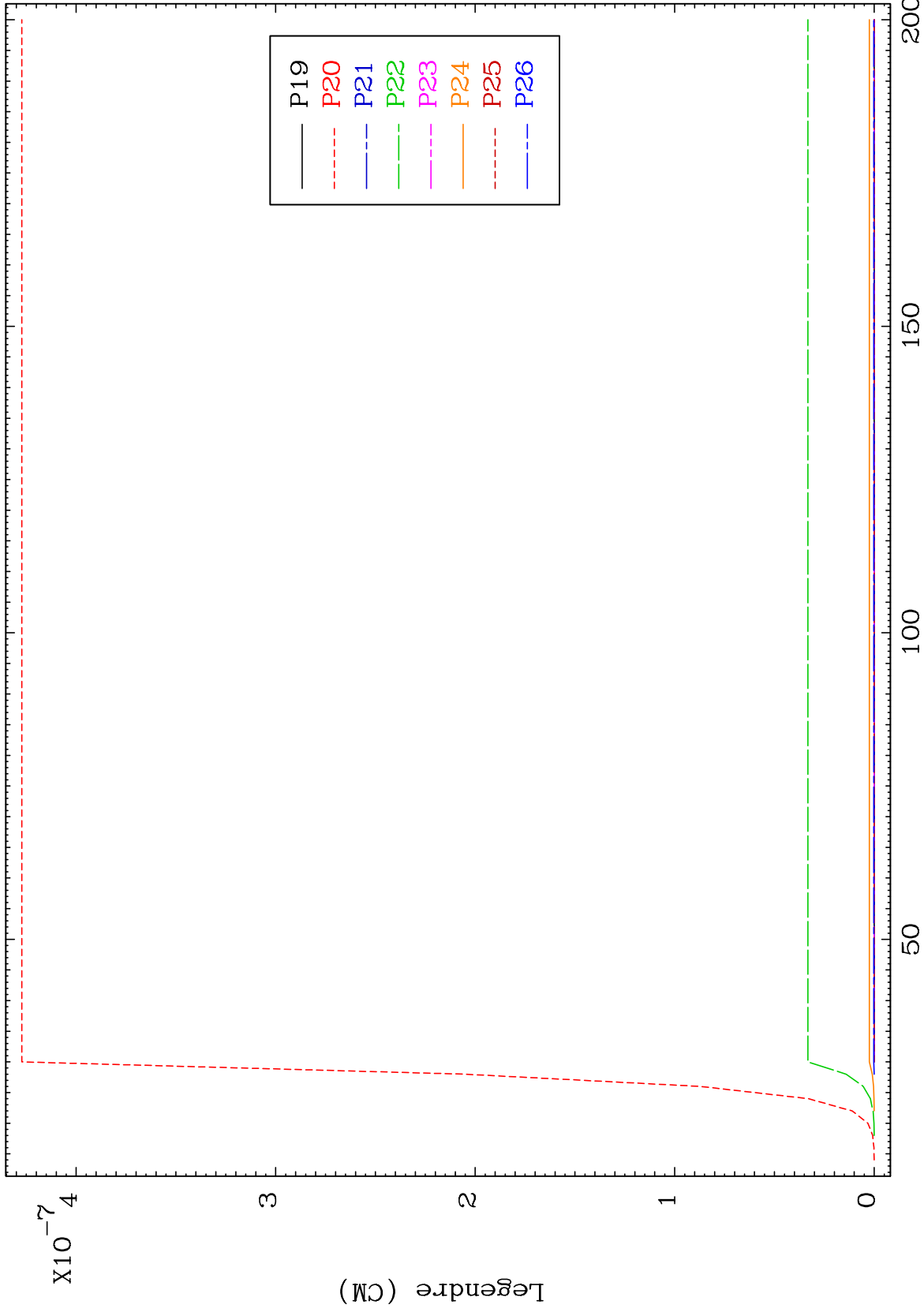
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



43

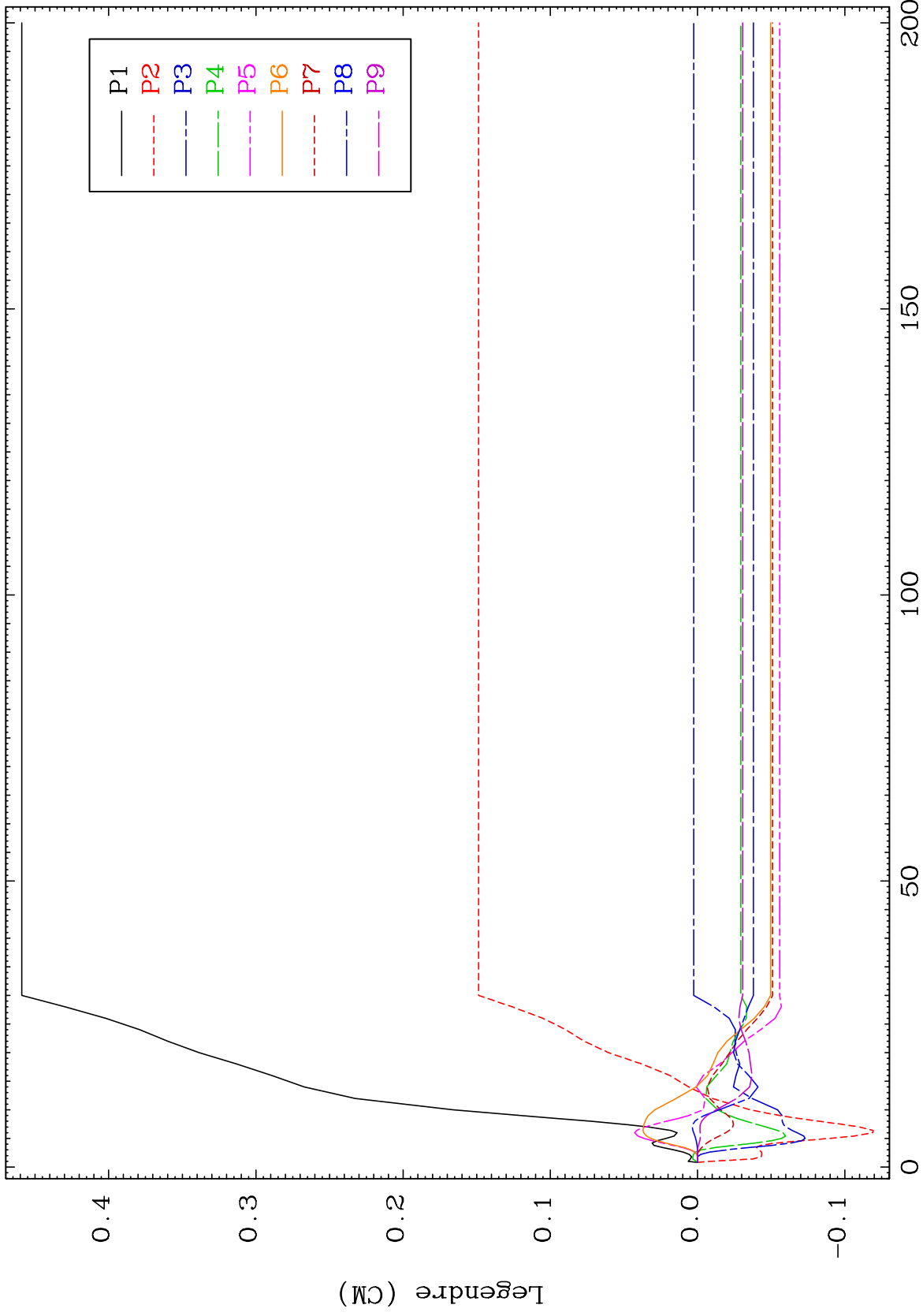
Incident Energy (MeV)

64-Gd-143

MAT 6398

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-143



44

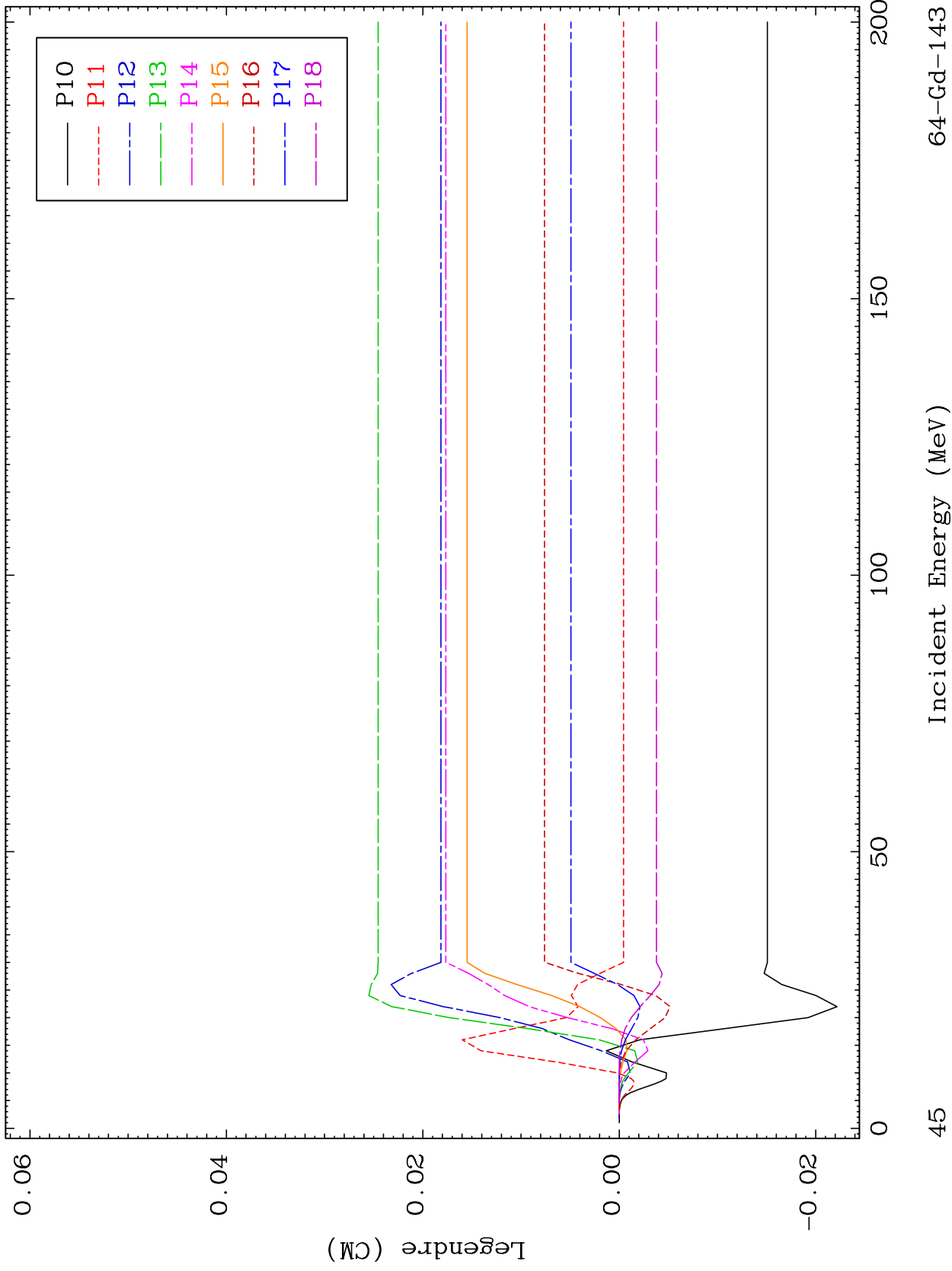
Incident Energy (MeV)

64-Gd-143

MAT 6398

MT= 57 (n,n') Level
Legendre Coefficients

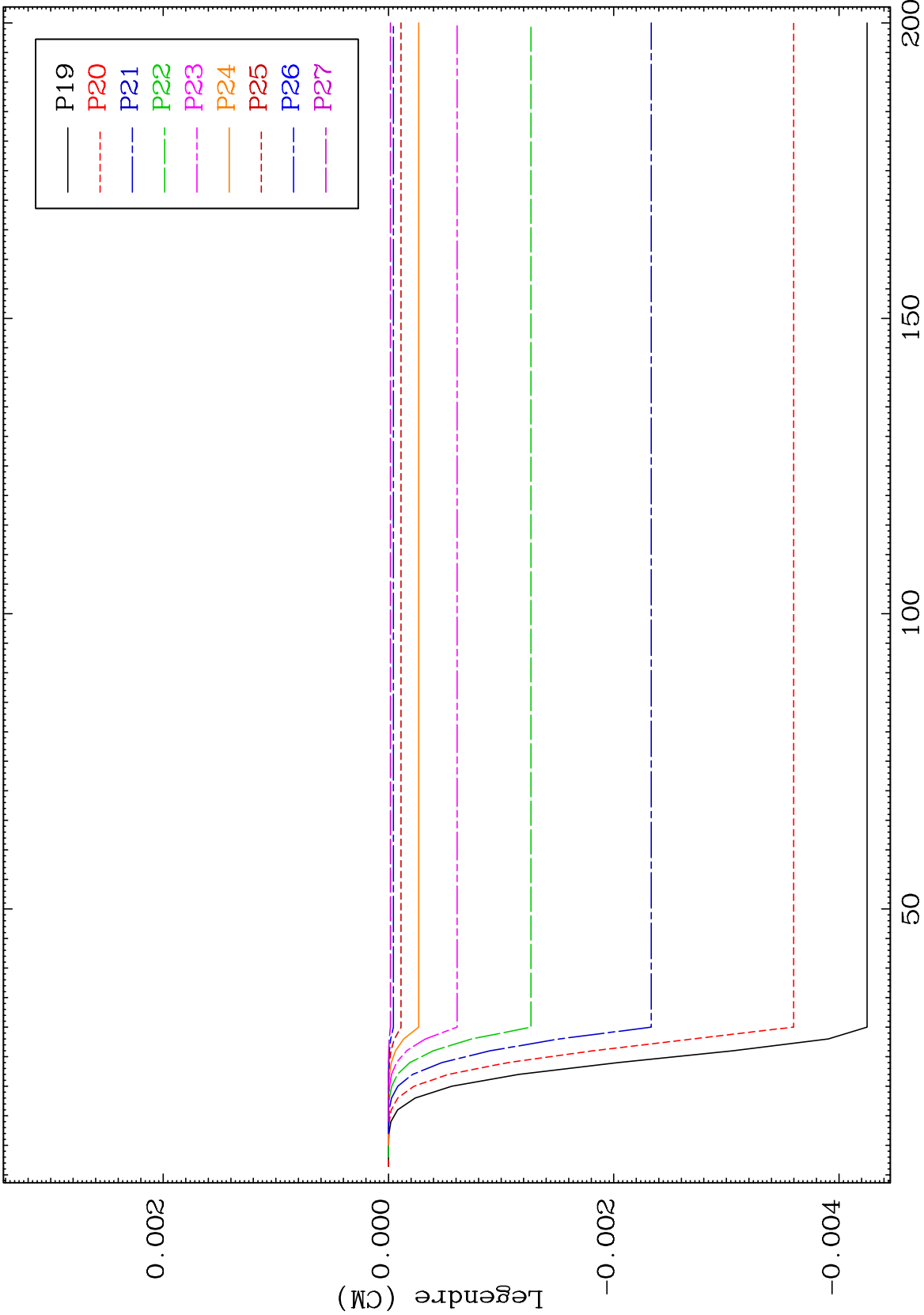
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MAT 6398

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-143



46

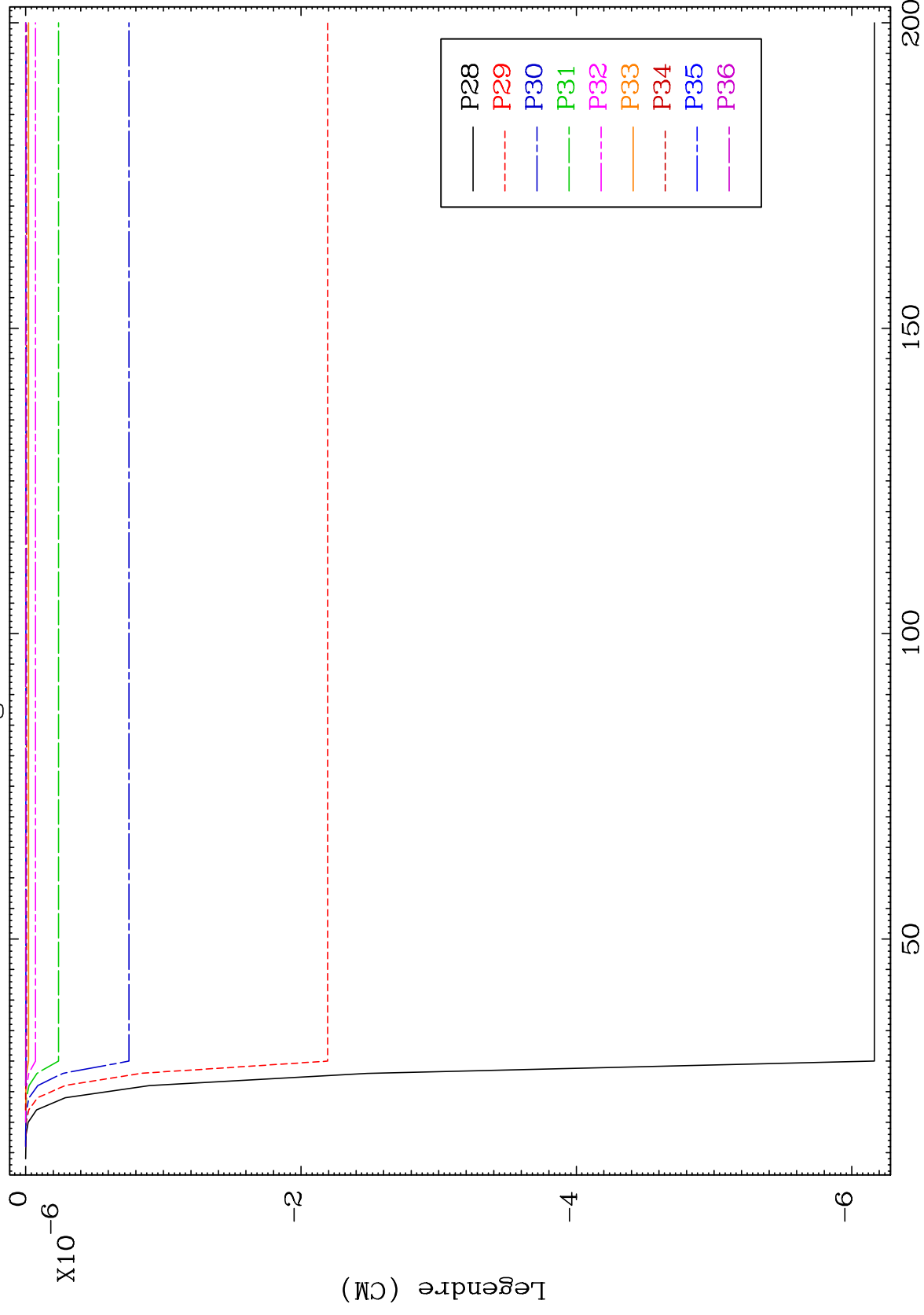
Incident Energy (MeV)

64-Gd-143

MAT 6398

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-143



47

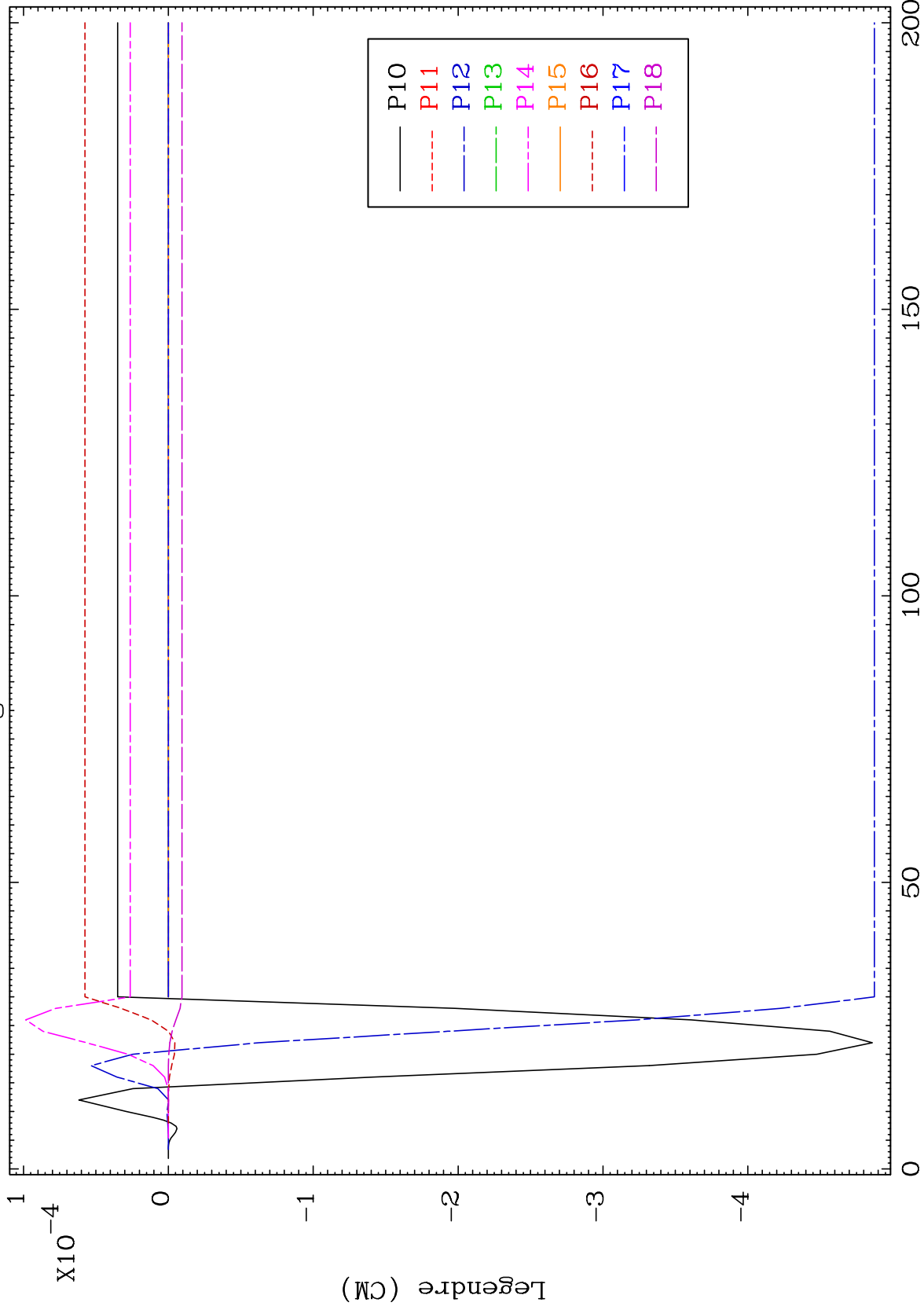
Incident Energy (MeV)

64-Gd-143

MAT 6398

MT= 58 (n,n') Level
Legendre Coefficients

64-Gd-143



49

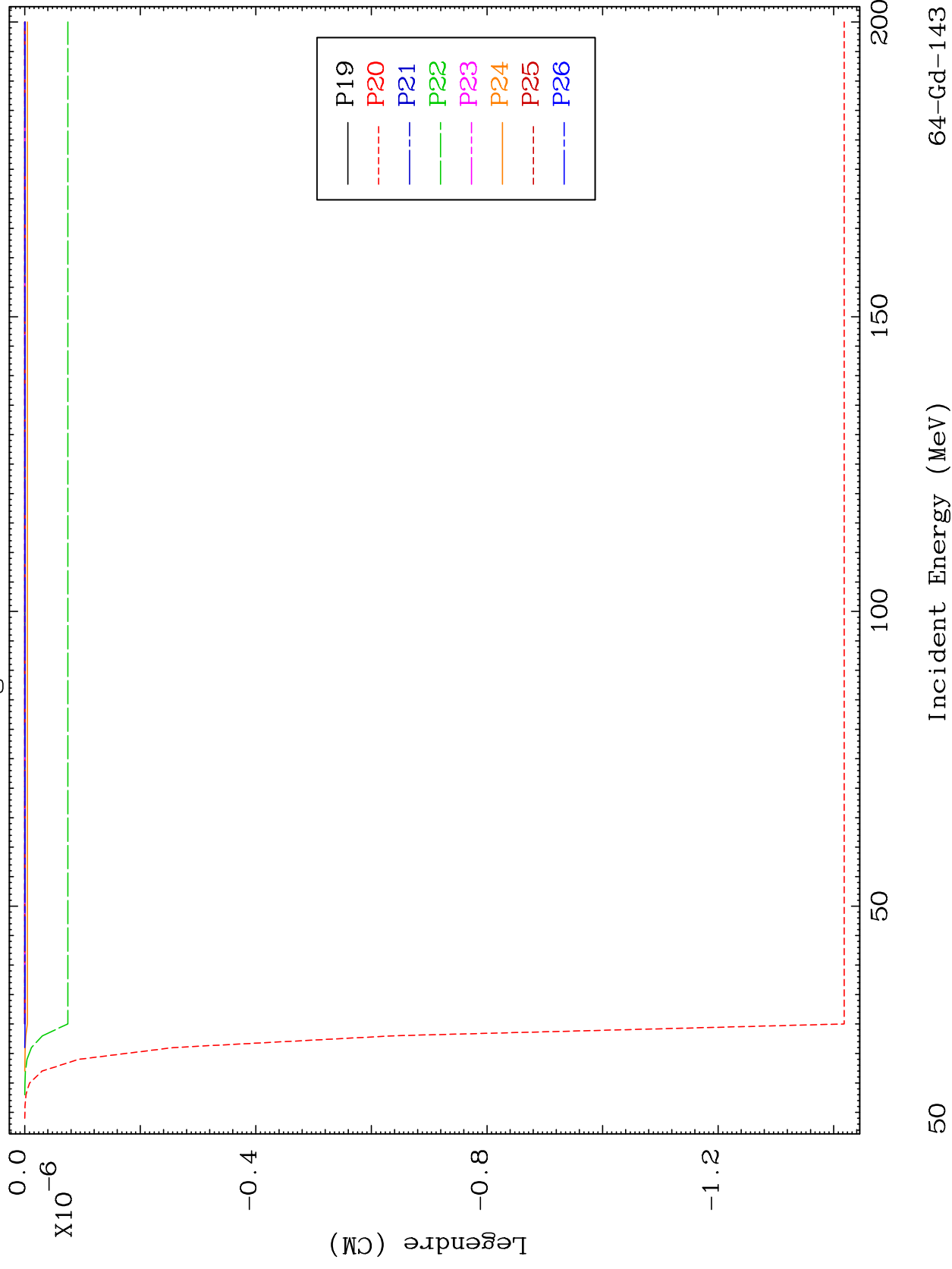
Incident Energy (MeV)

64-Gd-143

MAT 6398

MT= 58 (n,n') Level
Legendre Coefficients

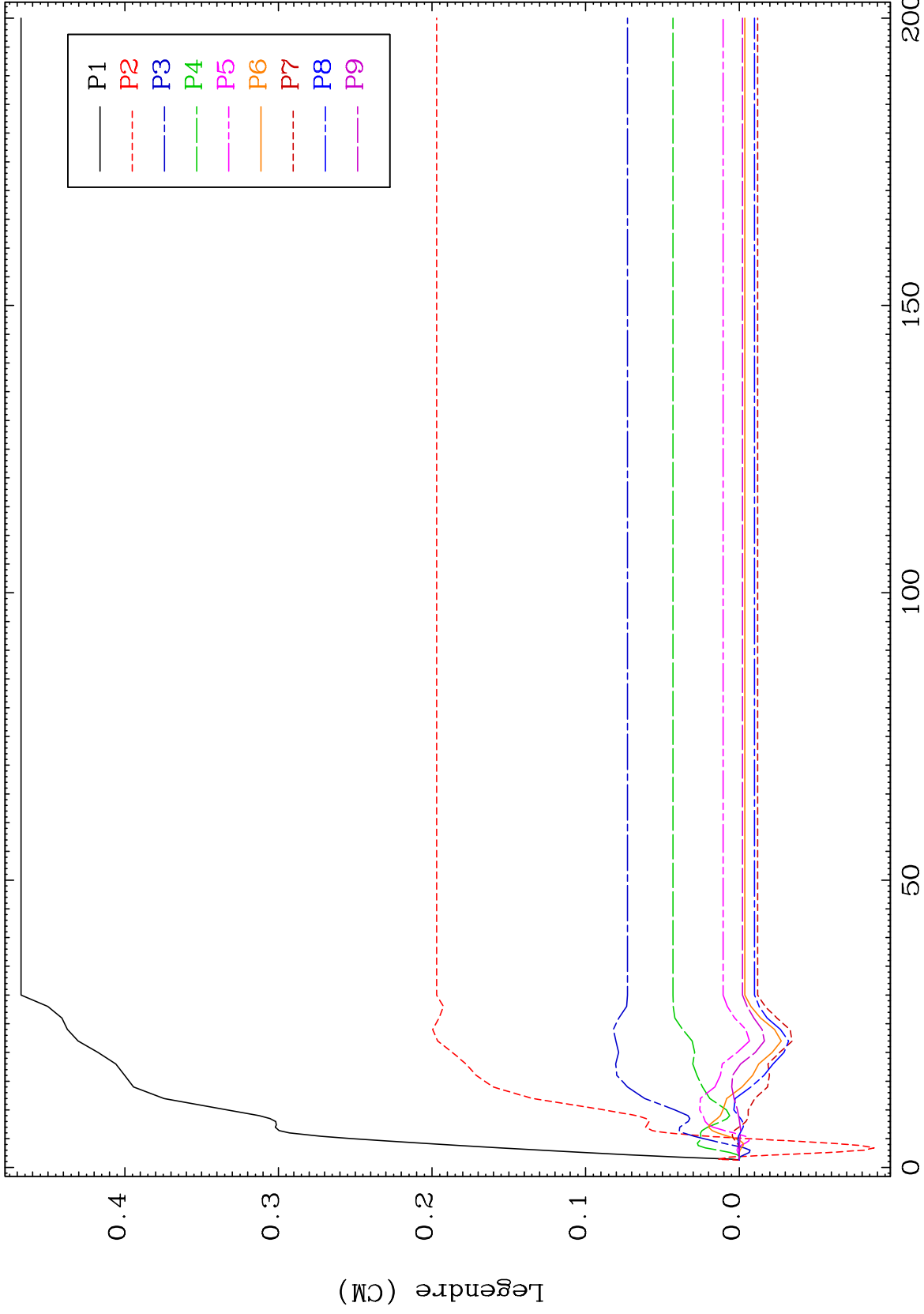
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MAT 6398

MT= 59 (n,n') Level
Legendre Coefficients

64-Gd-143



51

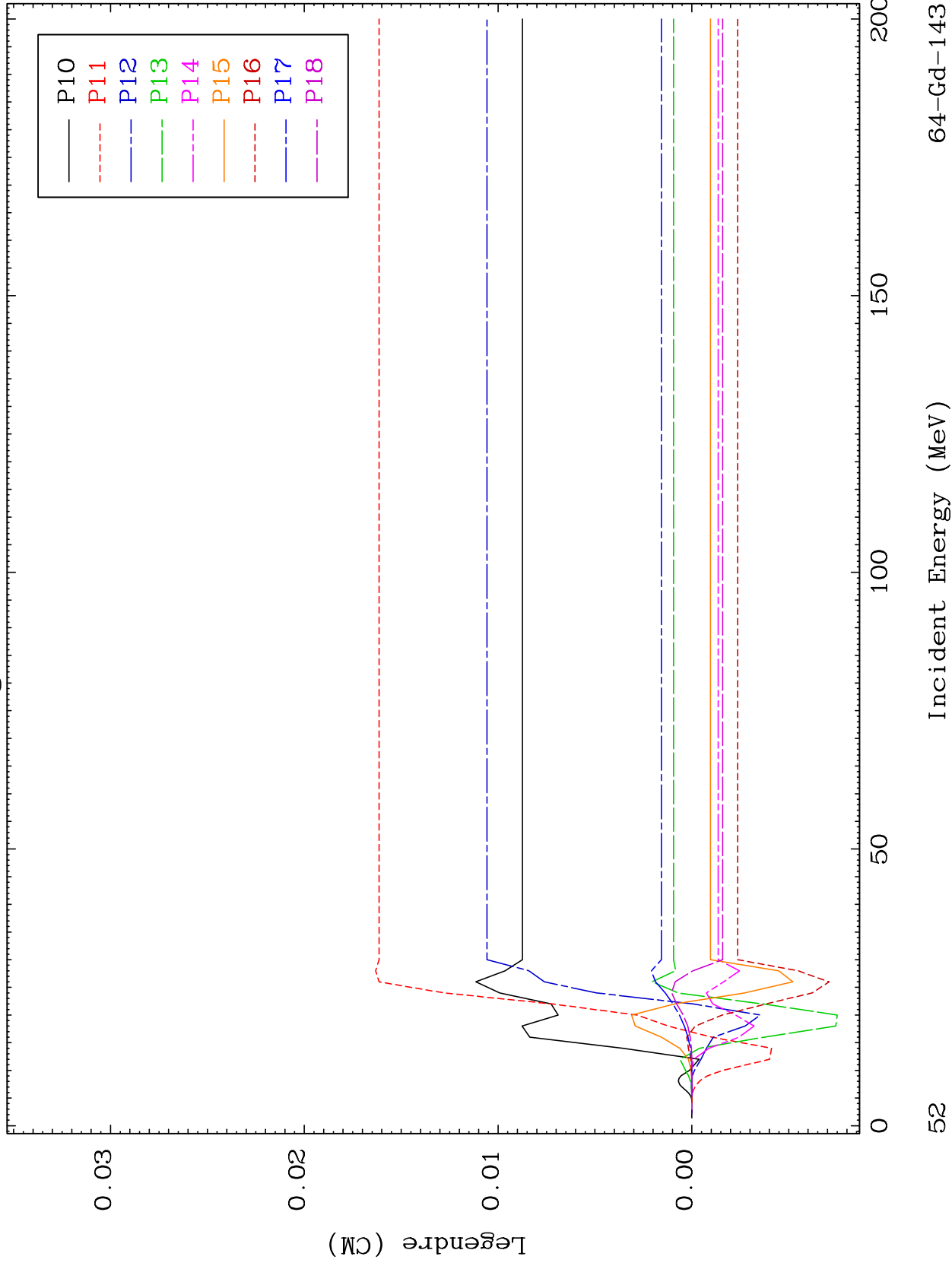
Incident Energy (MeV)

64-Gd-143

MAT 6398

MT= 59 (n,n') Level
Legendre Coefficients

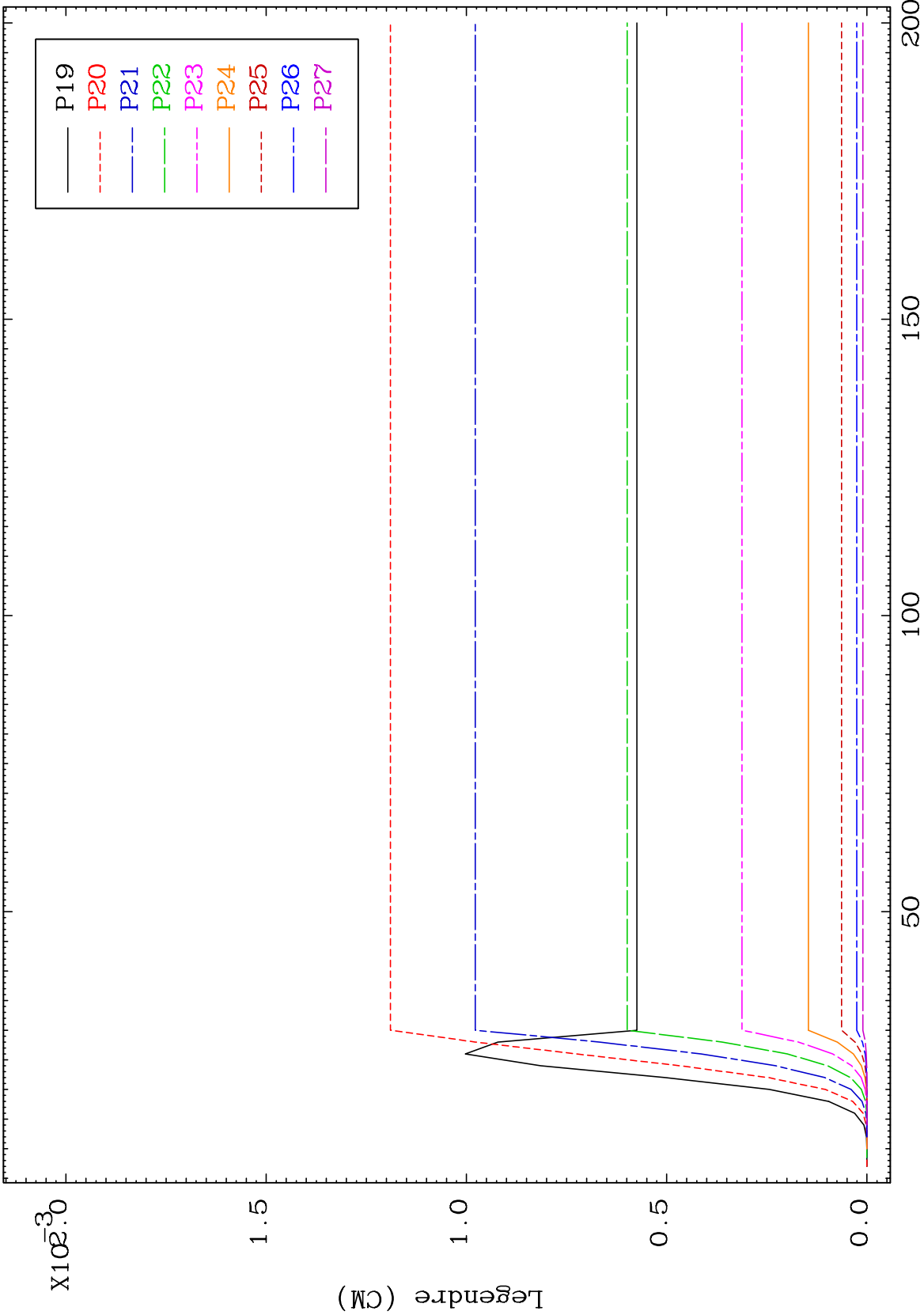
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64-Gd-143

Incident Energy (MeV)

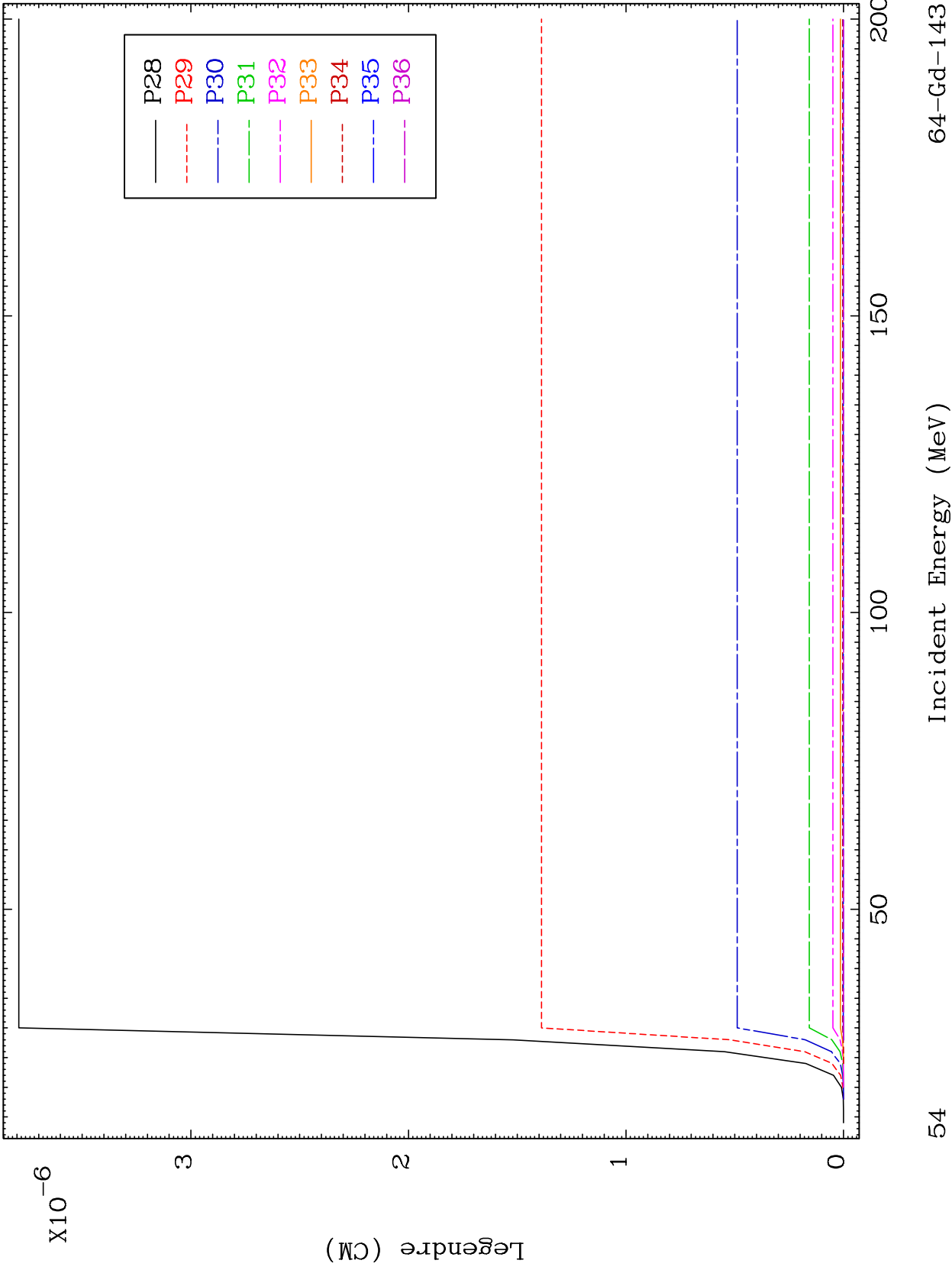
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MAT 6398

MT= 59 (n,n') Level
Legendre Coefficients

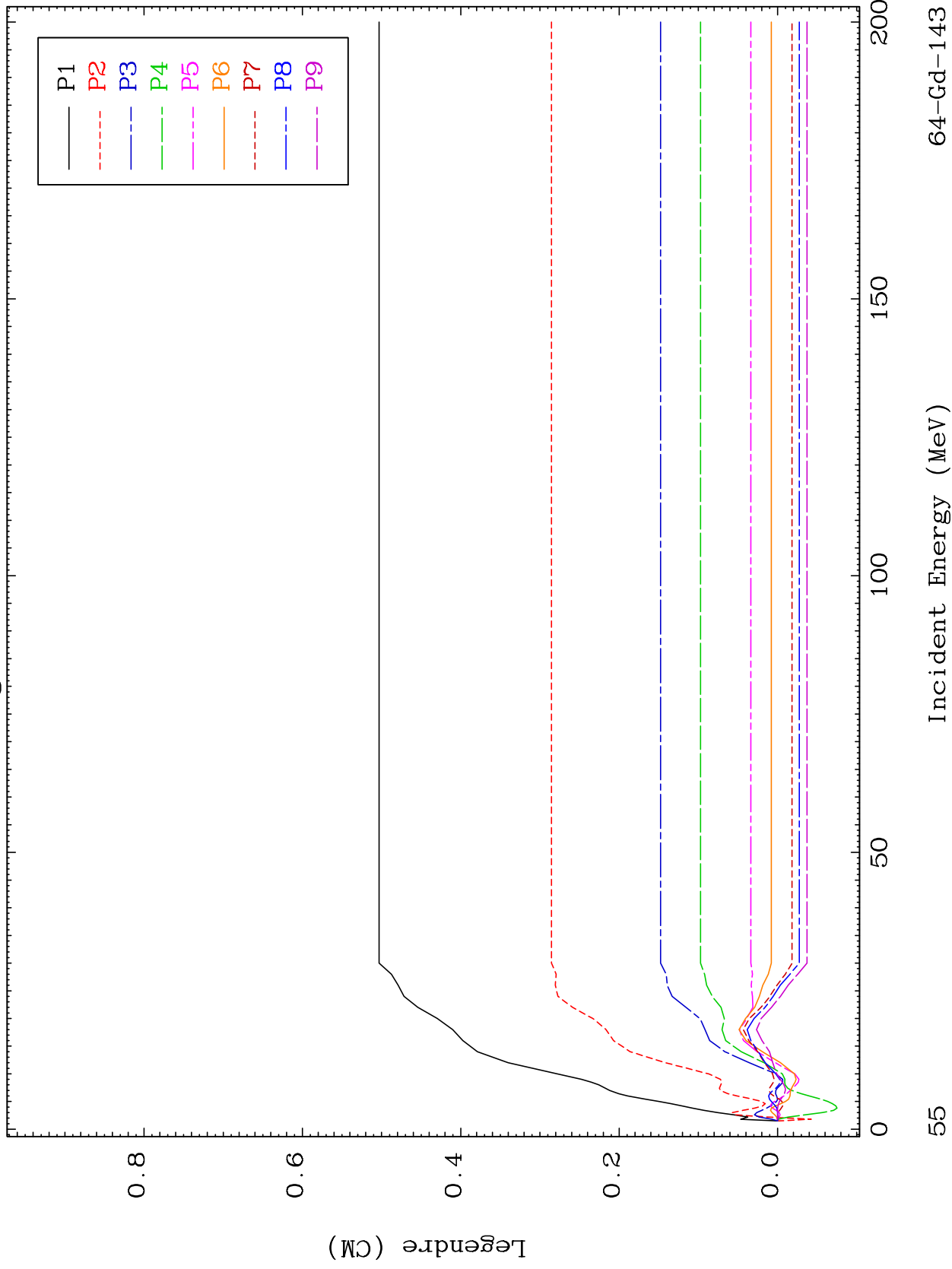
64-Gd-143



MAT 6398

MT= 60 (n,n') Level
Legendre Coefficients

64-Gd-143



64-Gd-143

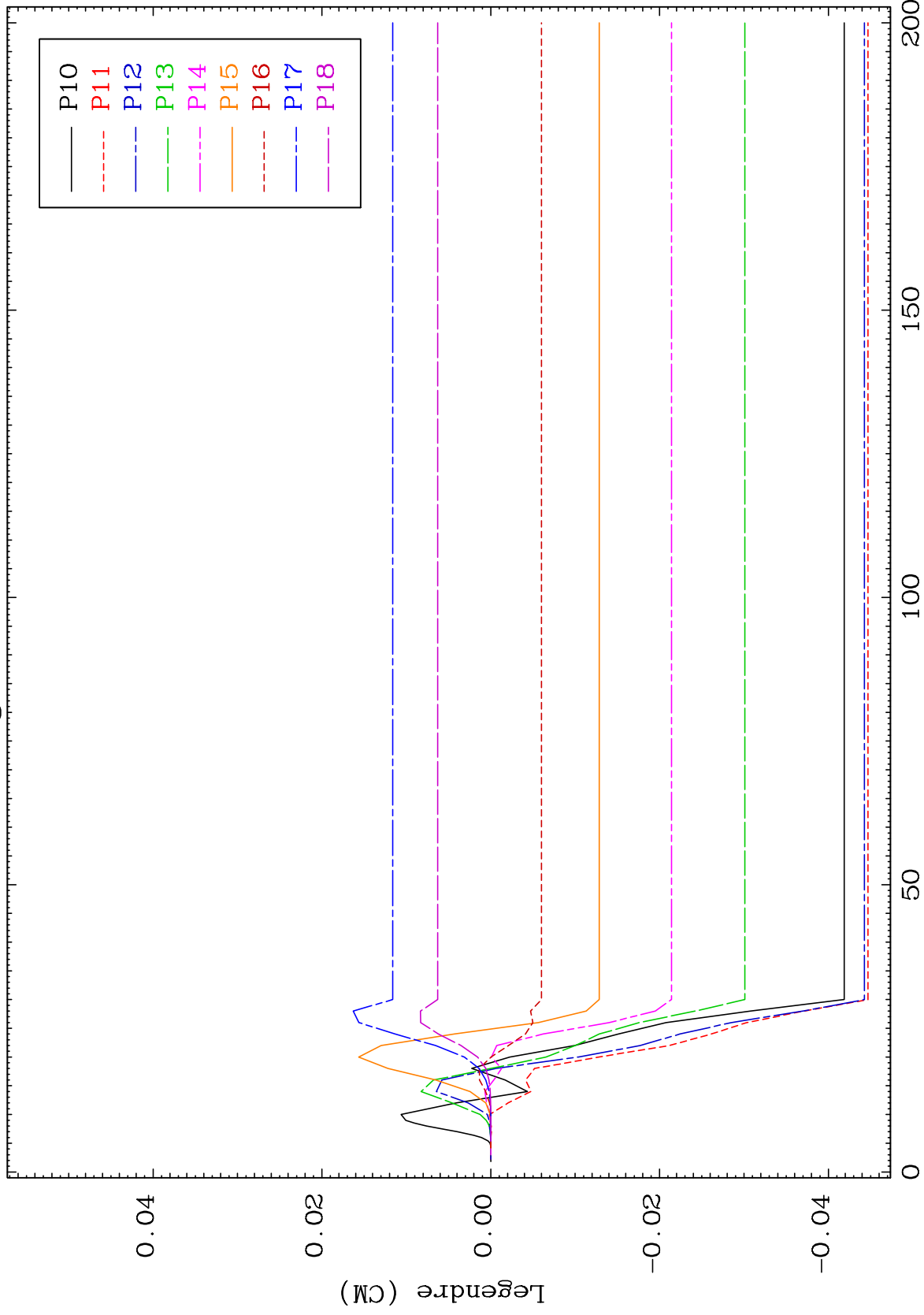
Incident Energy (MeV)

55

MAT 6398

MT= 60 (n,n') Level
Legendre Coefficients

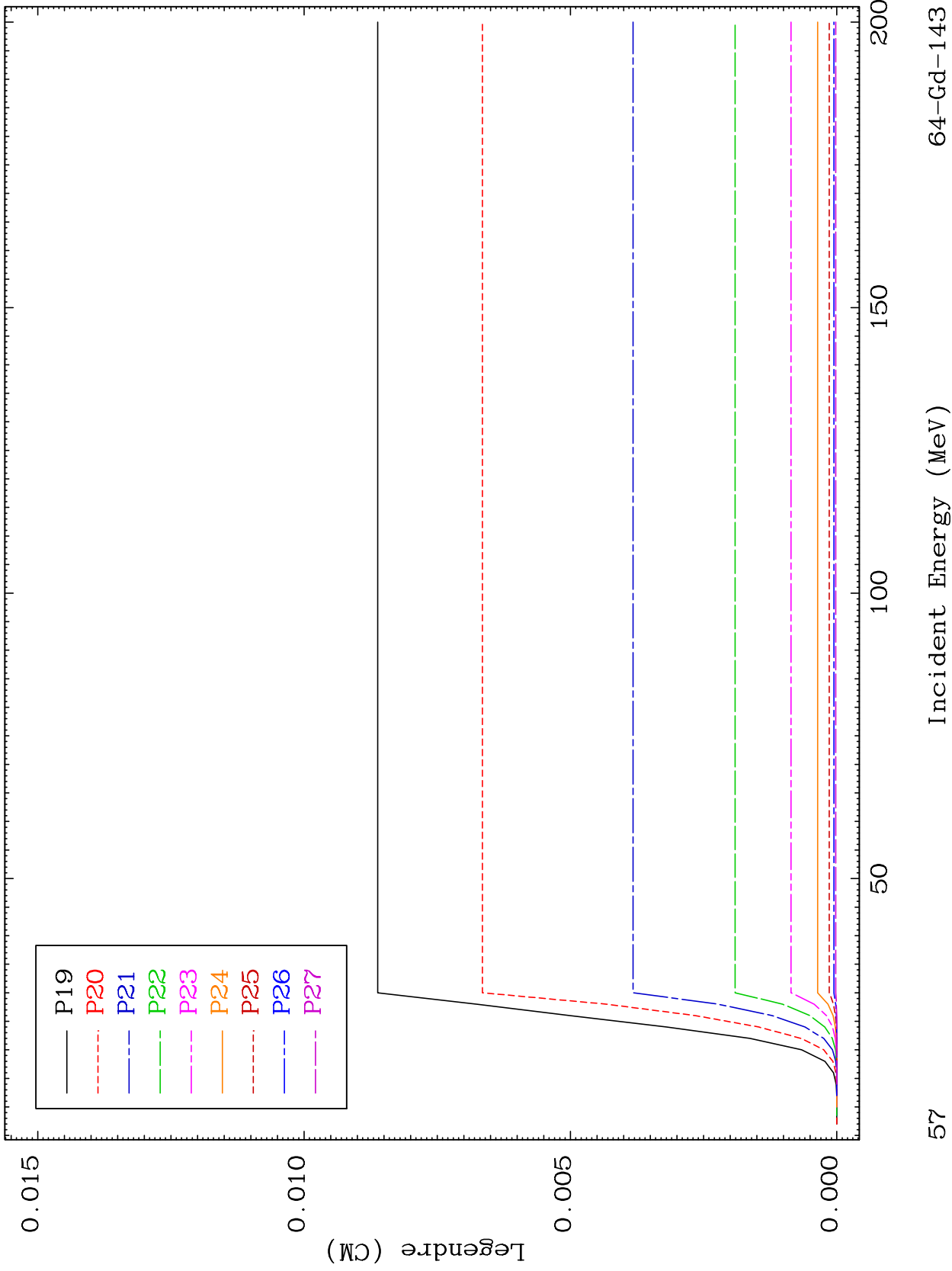
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56

Incident Energy (MeV)

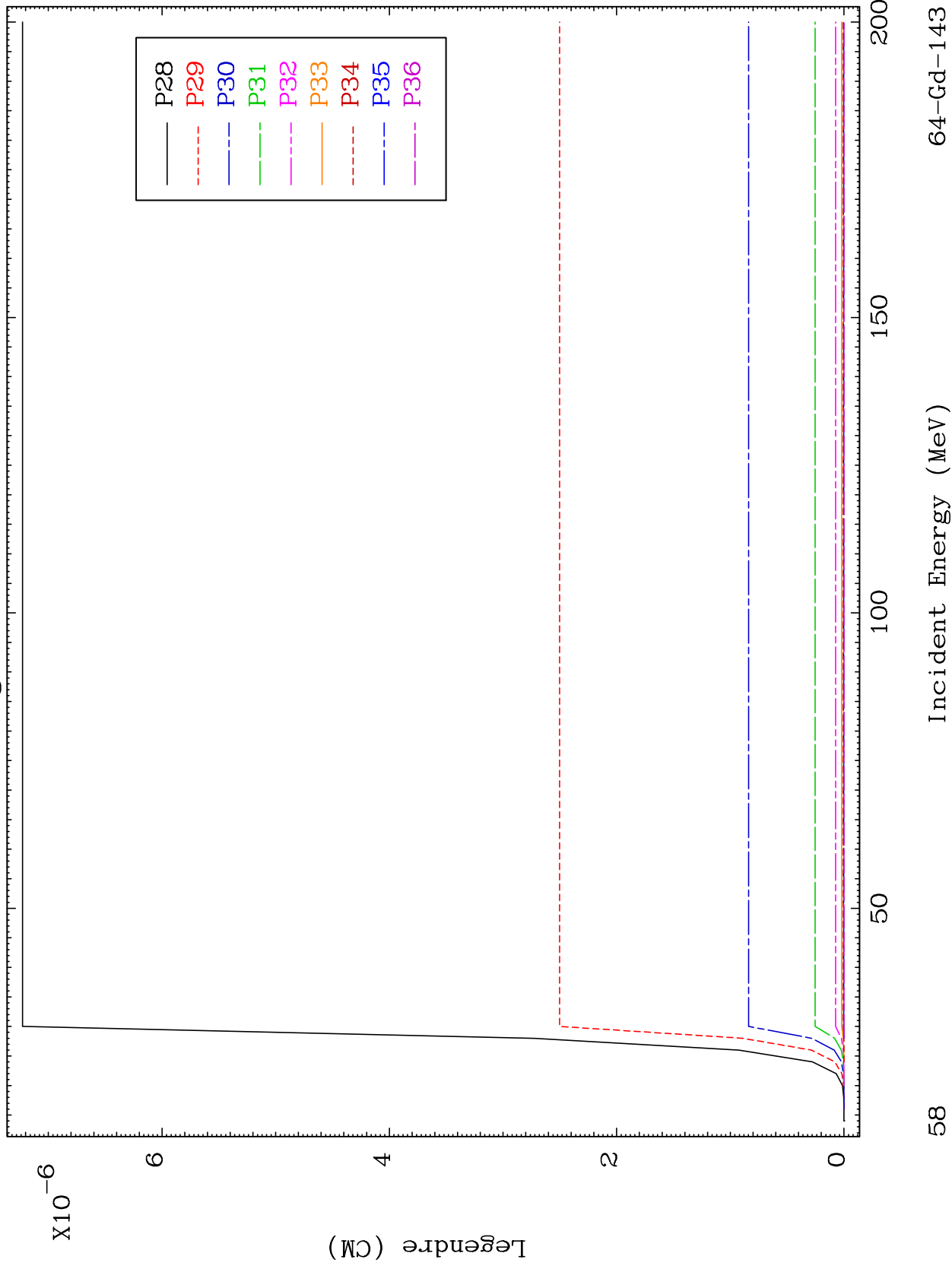
64-Gd-143



MAT 6398

MT= 60 (n,n') Level
Legendre Coefficients

64-Gd-143



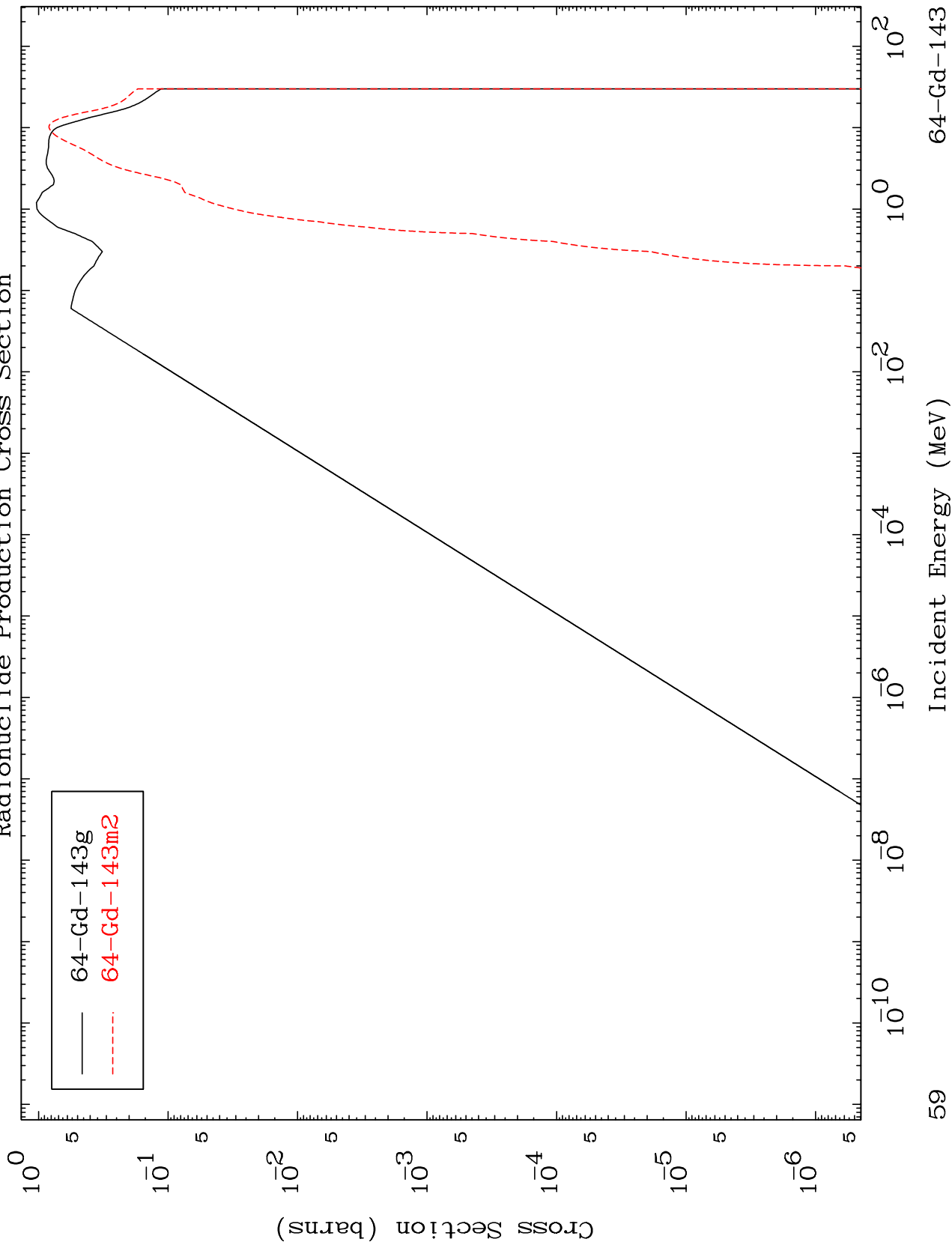
58

64-Gd-143

MAT 6398

64-Gd-143

Inelastic
Radionuclide Production Cross Section

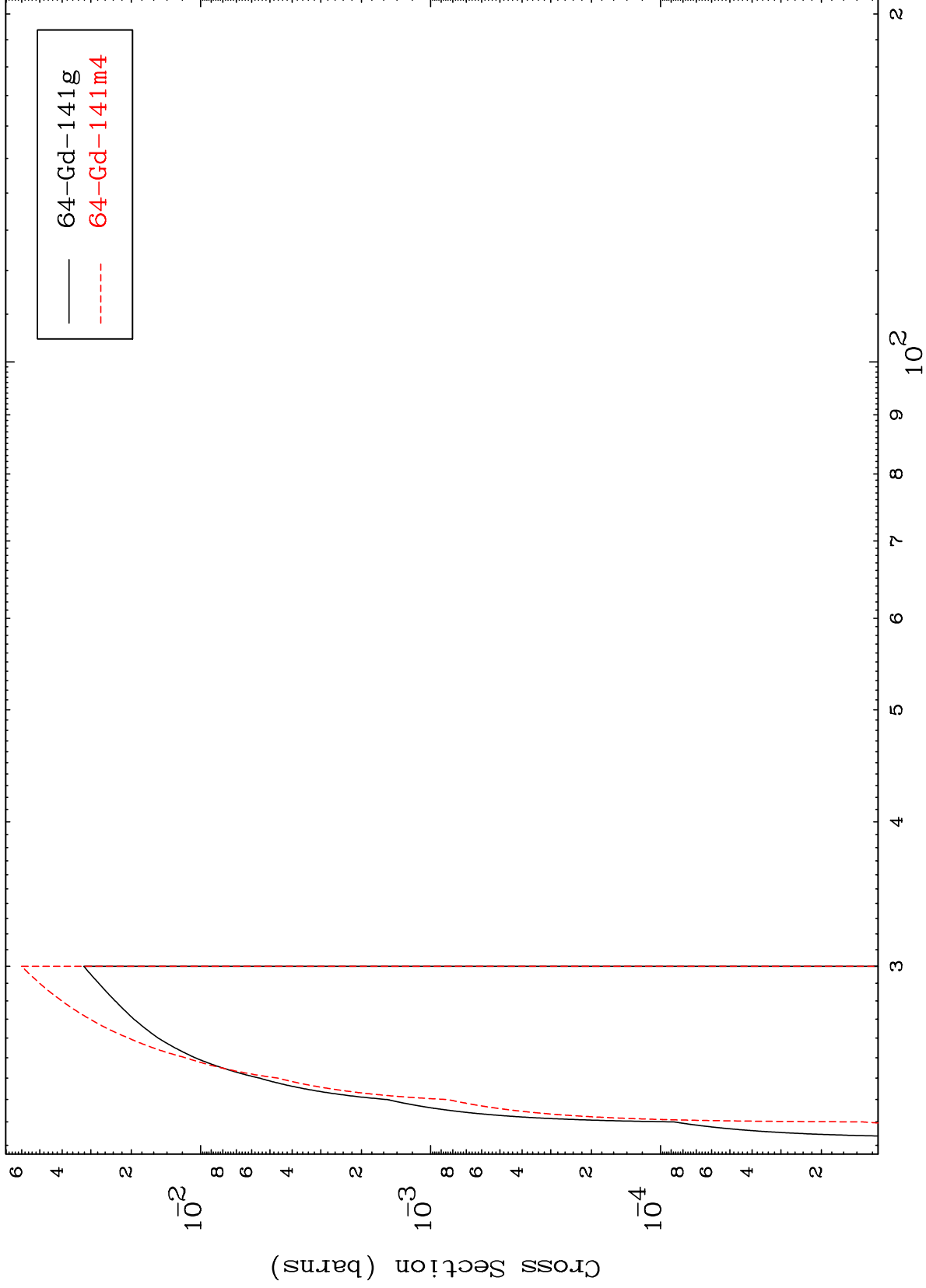


MAT 6398

(n,3n)

64-Gd-143

Radionuclide Production Cross Section



60

Incident Energy (MeV)

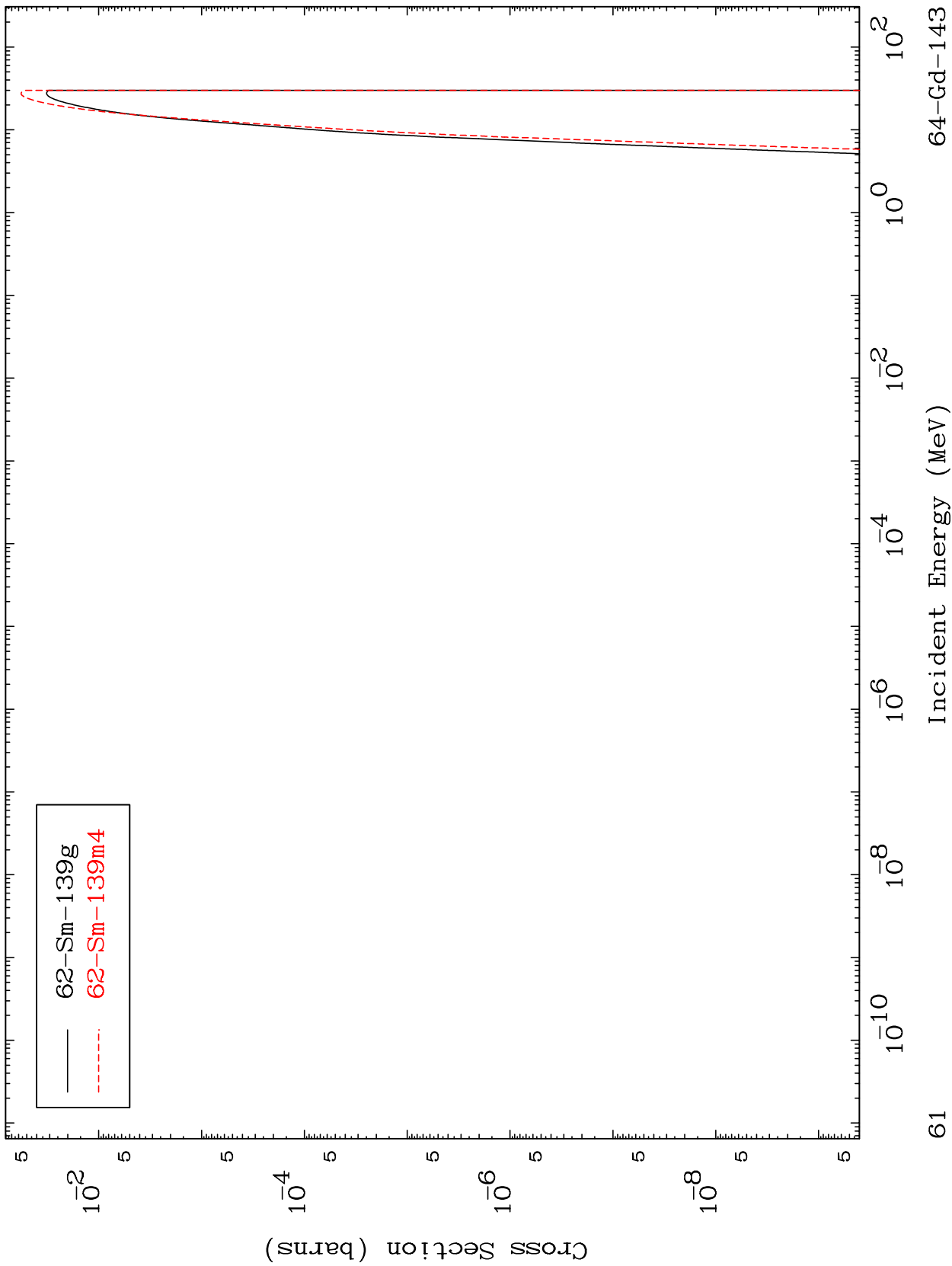
64-Gd-143

MAT 6398

(n, n') α

64-Gd-143

Radionuclide Production Cross Section



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

61

Incident Energy (MeV)

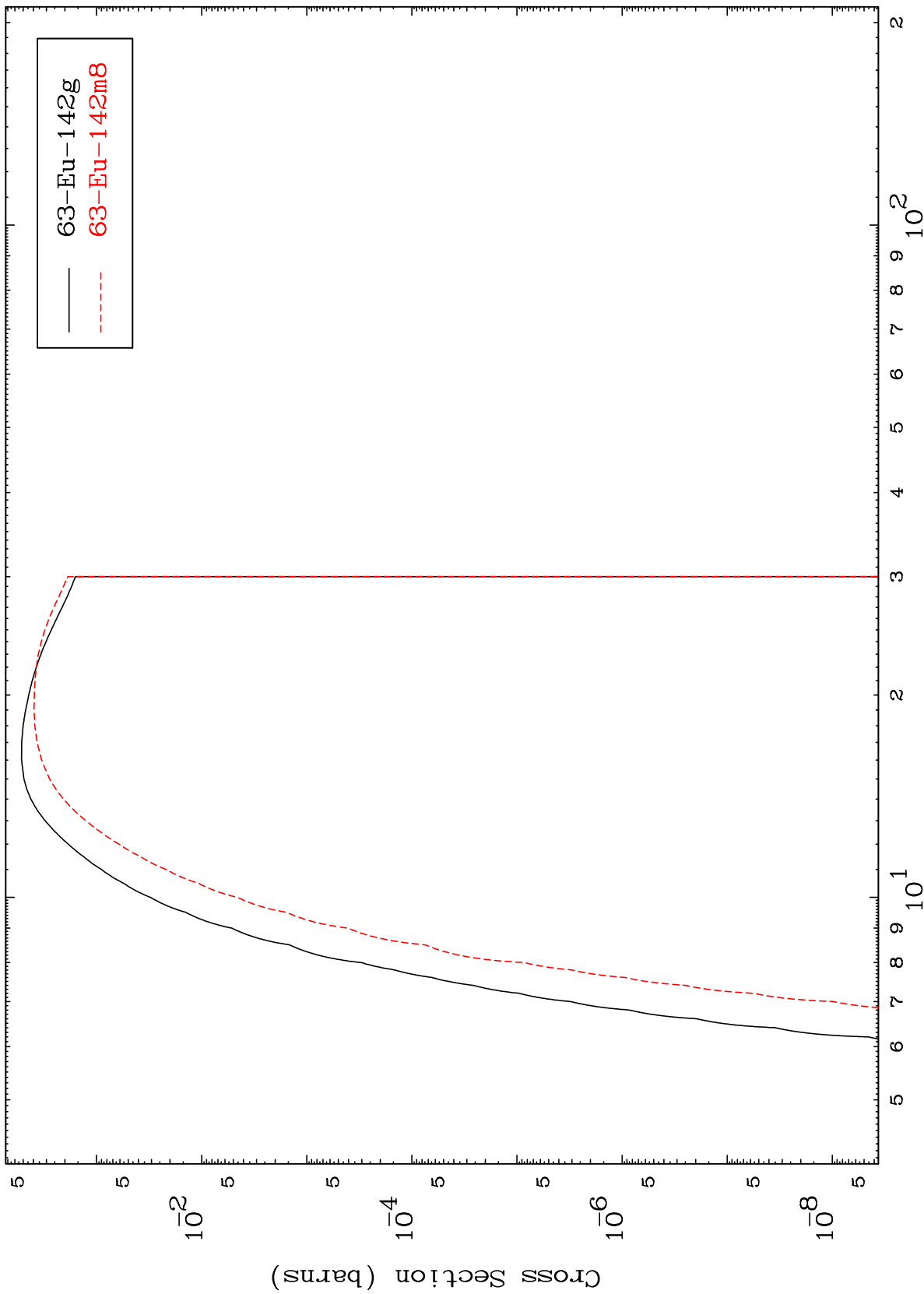
64-Gd-143

MAT 6398

(n,n') p

64-Gd-143

Radionuclide Production Cross Section



62

Incident Energy (MeV)

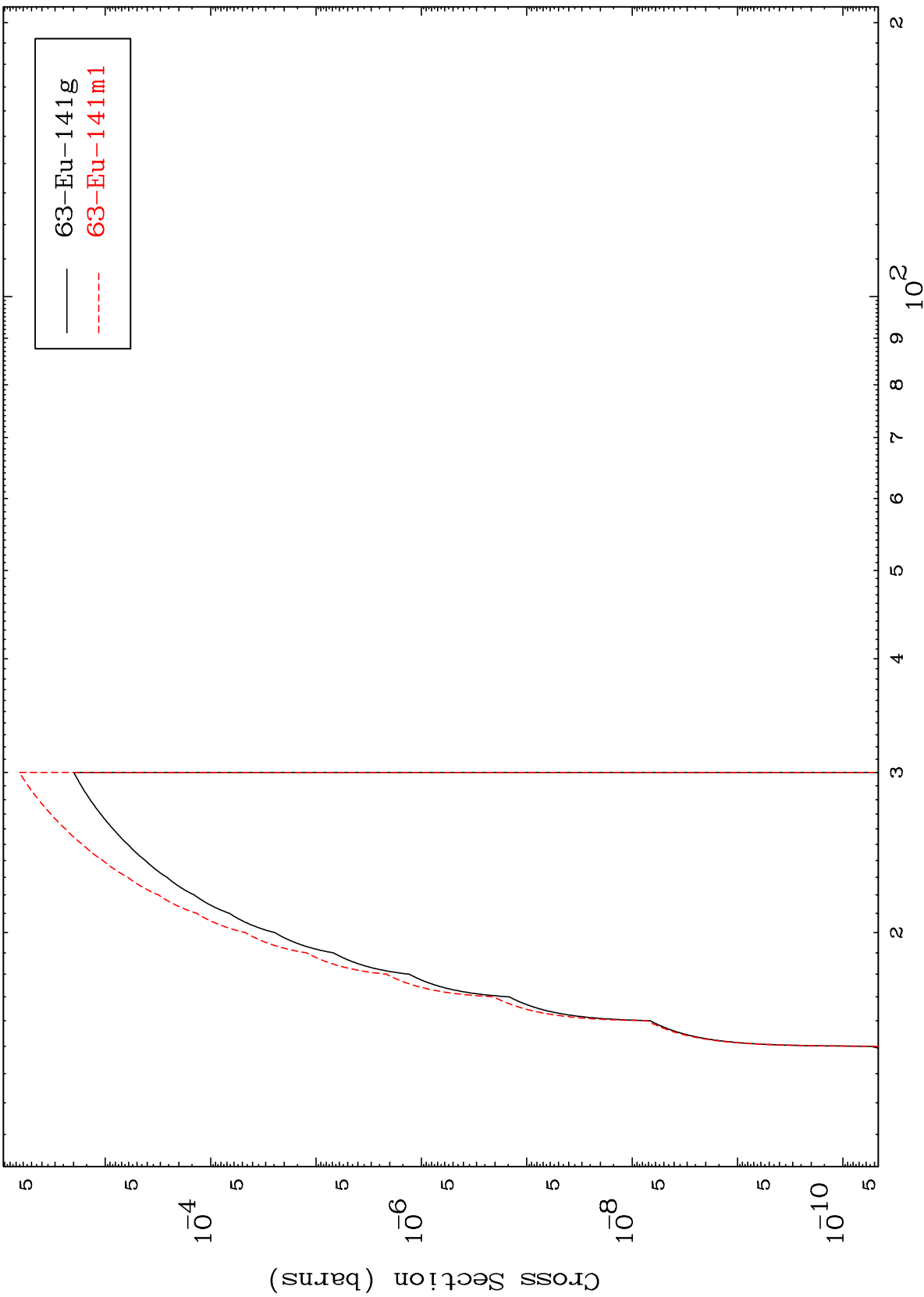
64-Gd-143

MAT 6398

(n,n') d

64-Gd-143

Radionuclide Production Cross Section



63

Incident Energy (MeV)

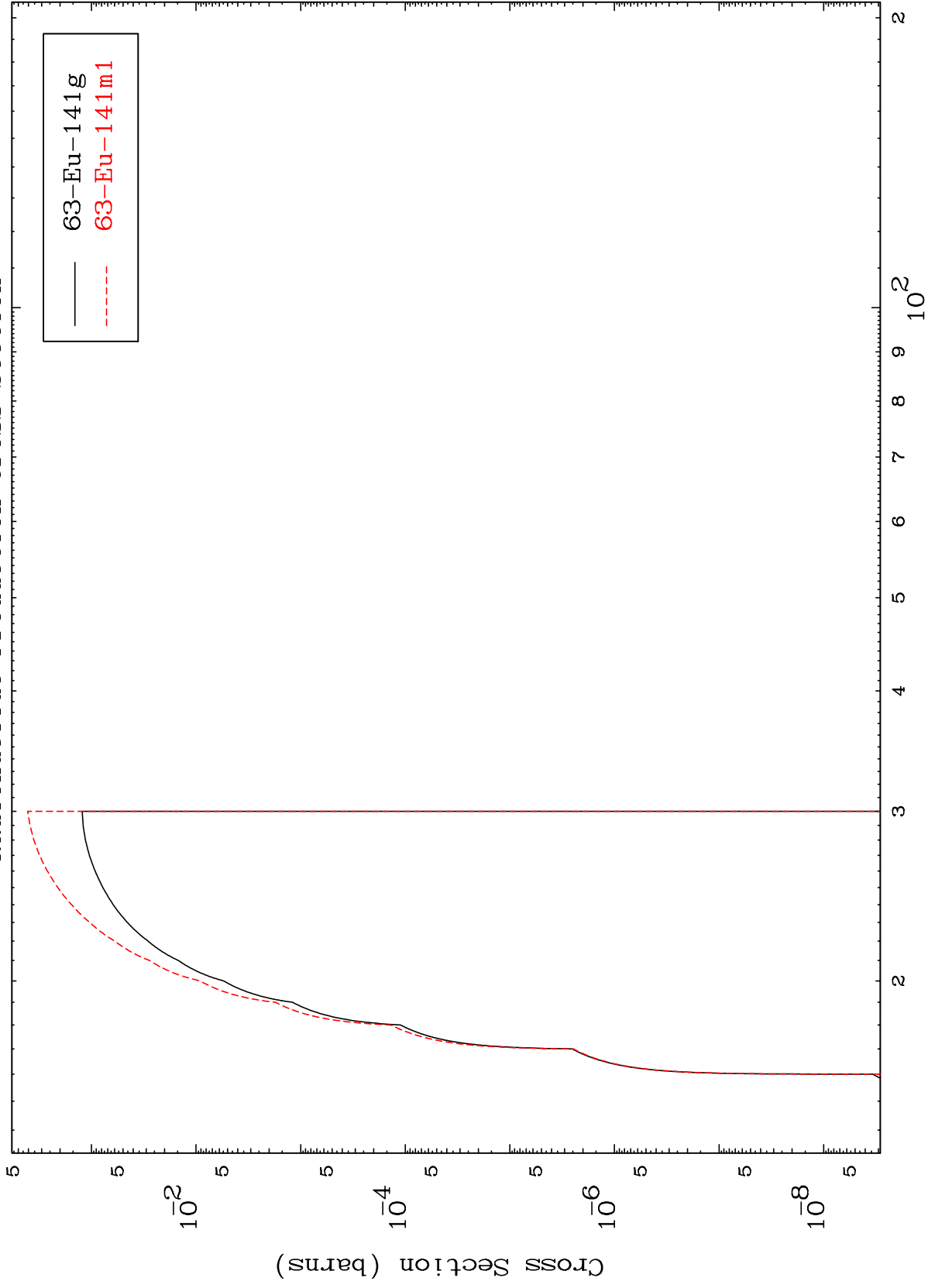
64-Gd-143

MAT 6398

(n,2n) p

64-Gd-143

Radionuclide Production Cross Section



64

Incident Energy (MeV)

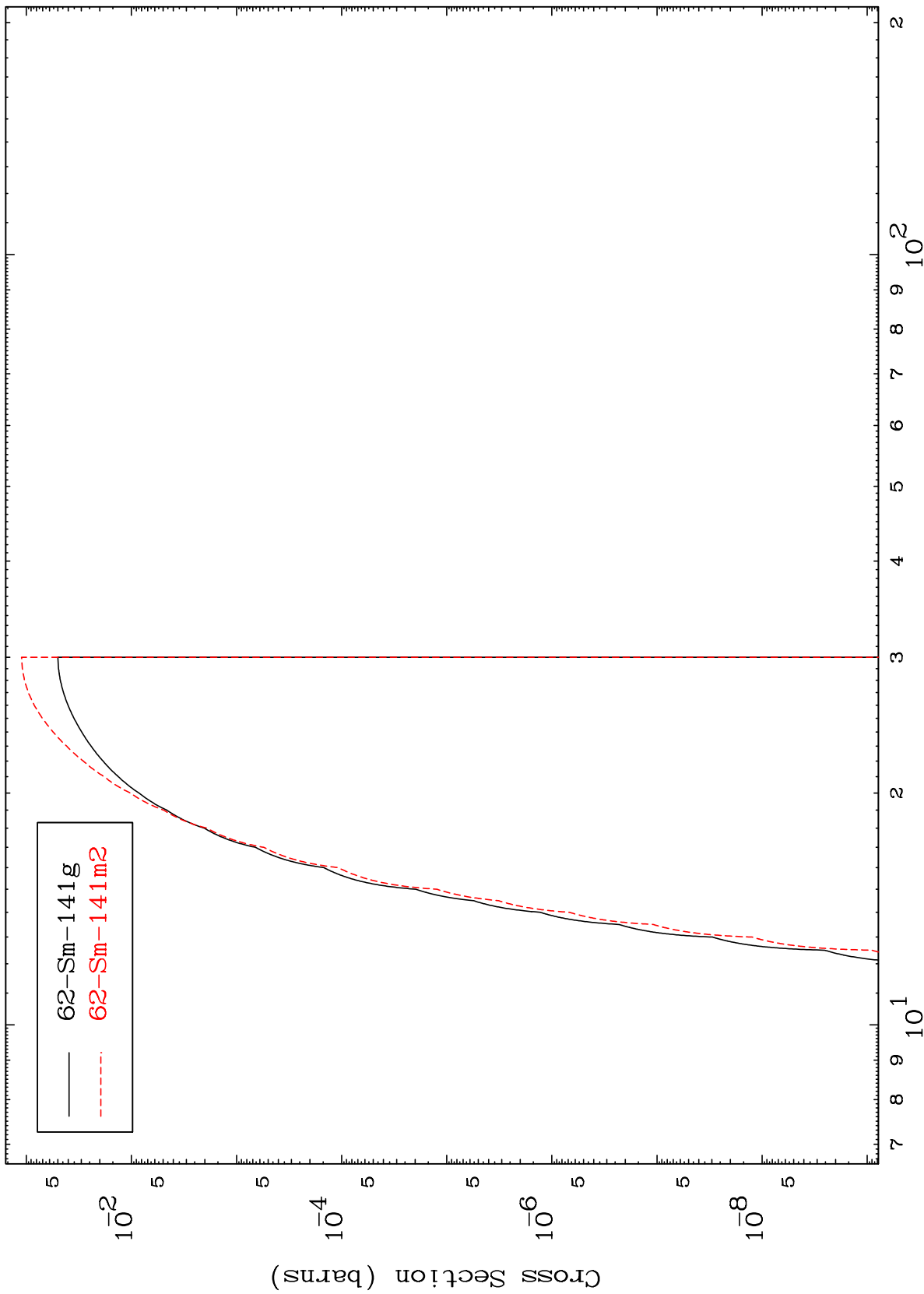
64-Gd-143

MAT 6398

(n,2n) p

64-Gd-143

Radionuclide Production Cross Section



65

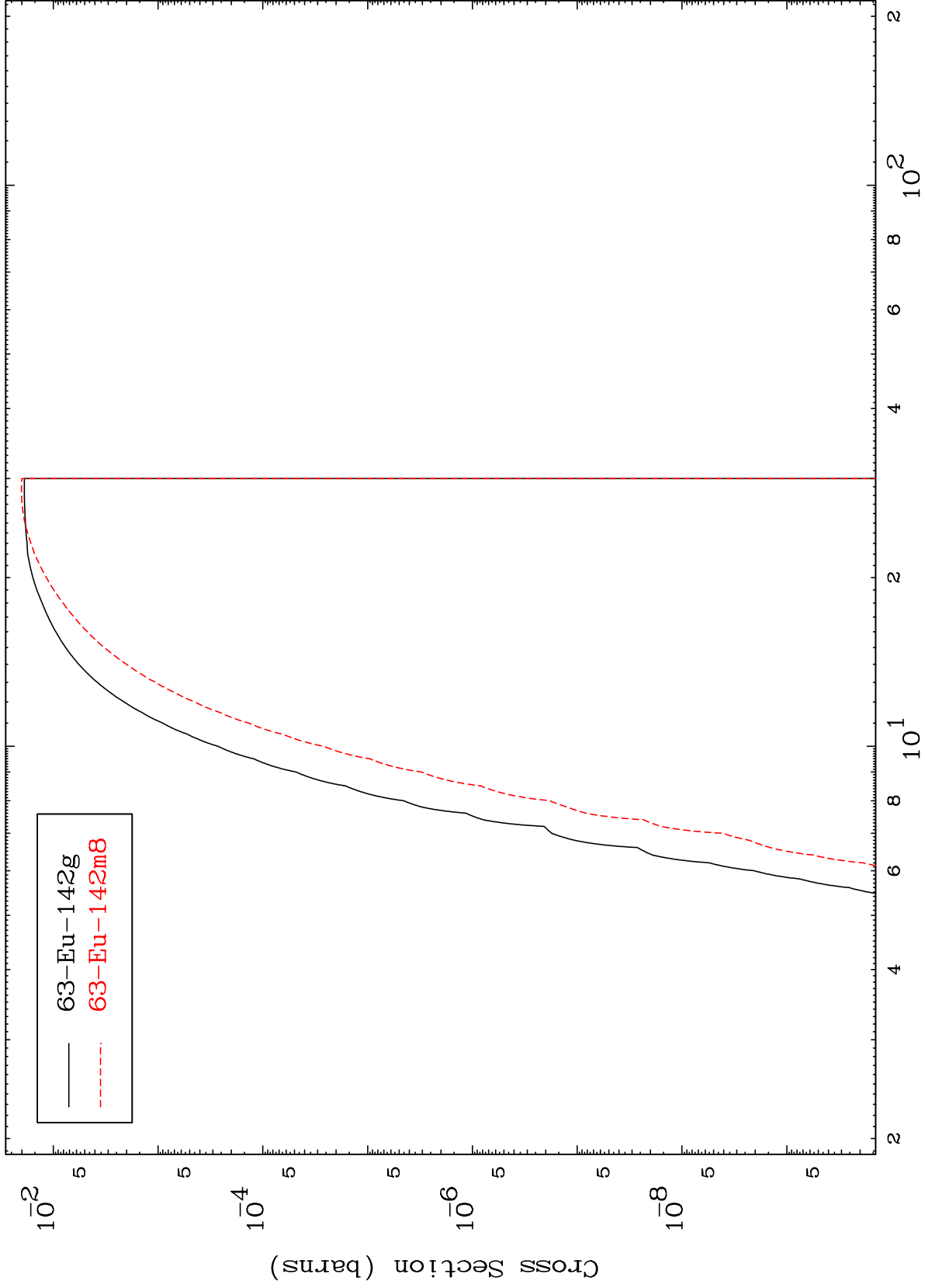
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(n,d)
Radionuclide Production Cross Section



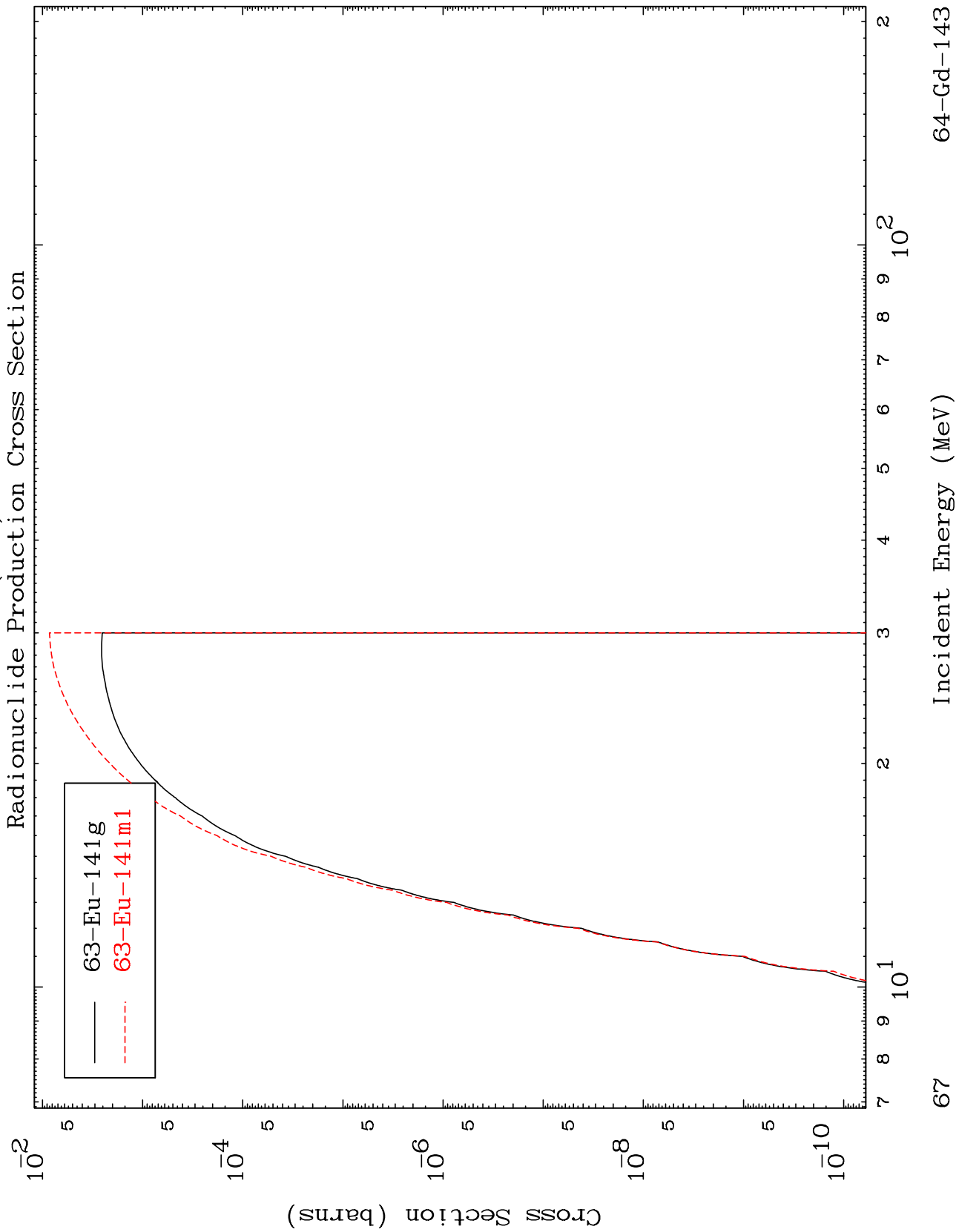
66

Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143



67

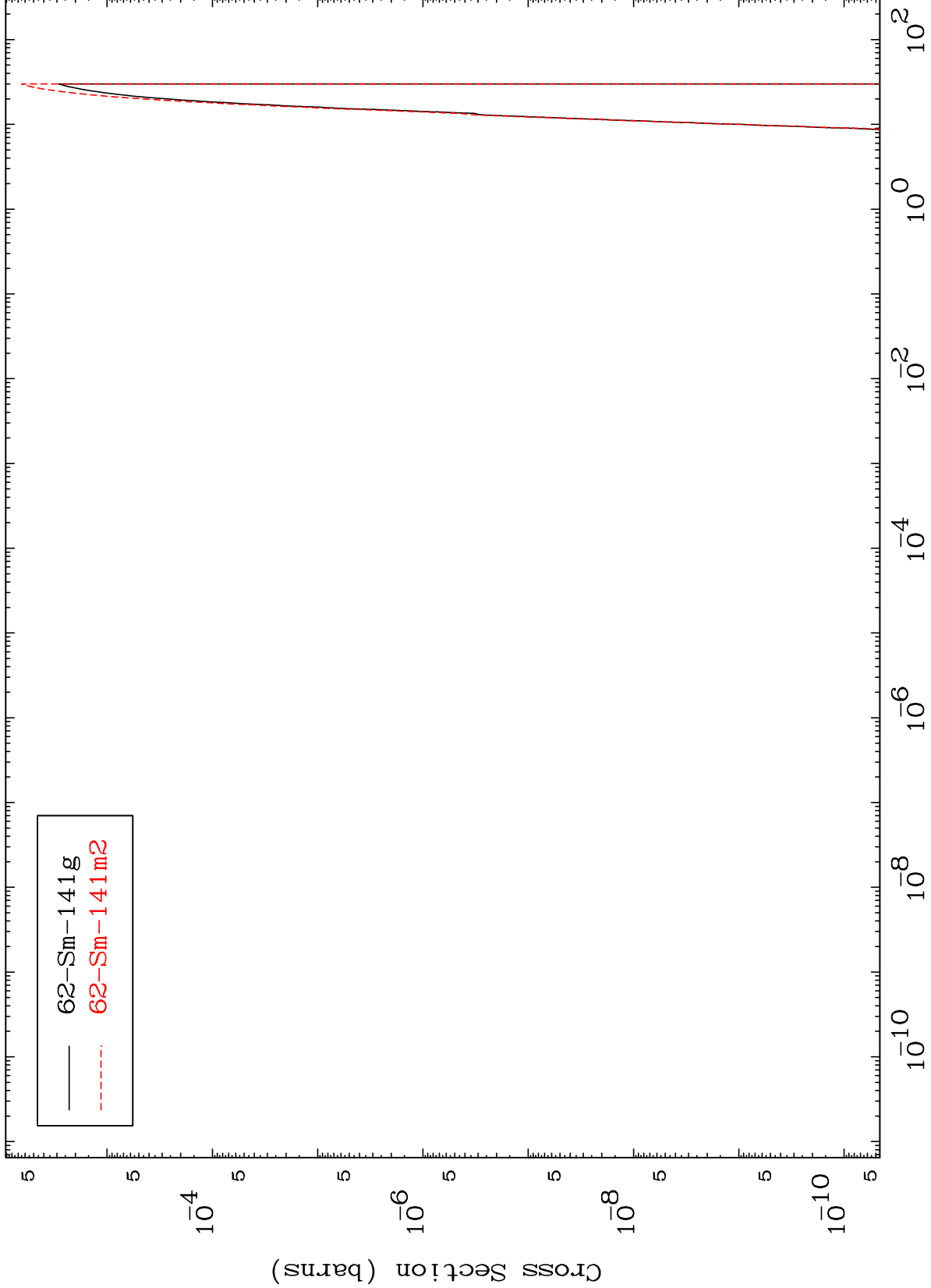
64-Gd-143

MAT 6398

(n,He-3)

64-Gd-143

Radionuclide Production Cross Section



68

Incident Energy (MeV)

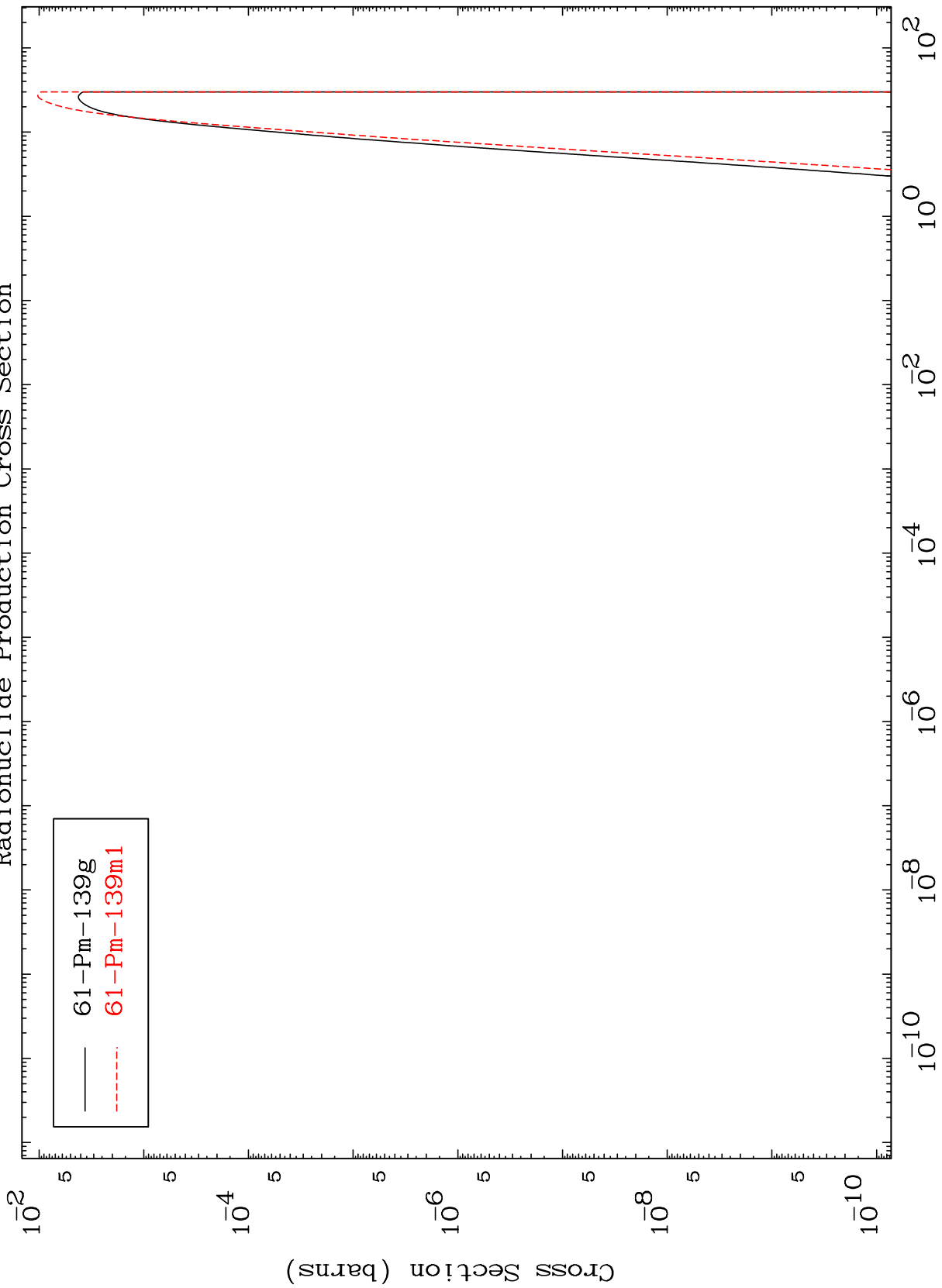
64-Gd-143

MAT 6398

(n,p) α

64-Gd-143

Radionuclide Production Cross Section



— 61-Pm-139g
- - - 61-Pm-139m1

69

Incident Energy (MeV)

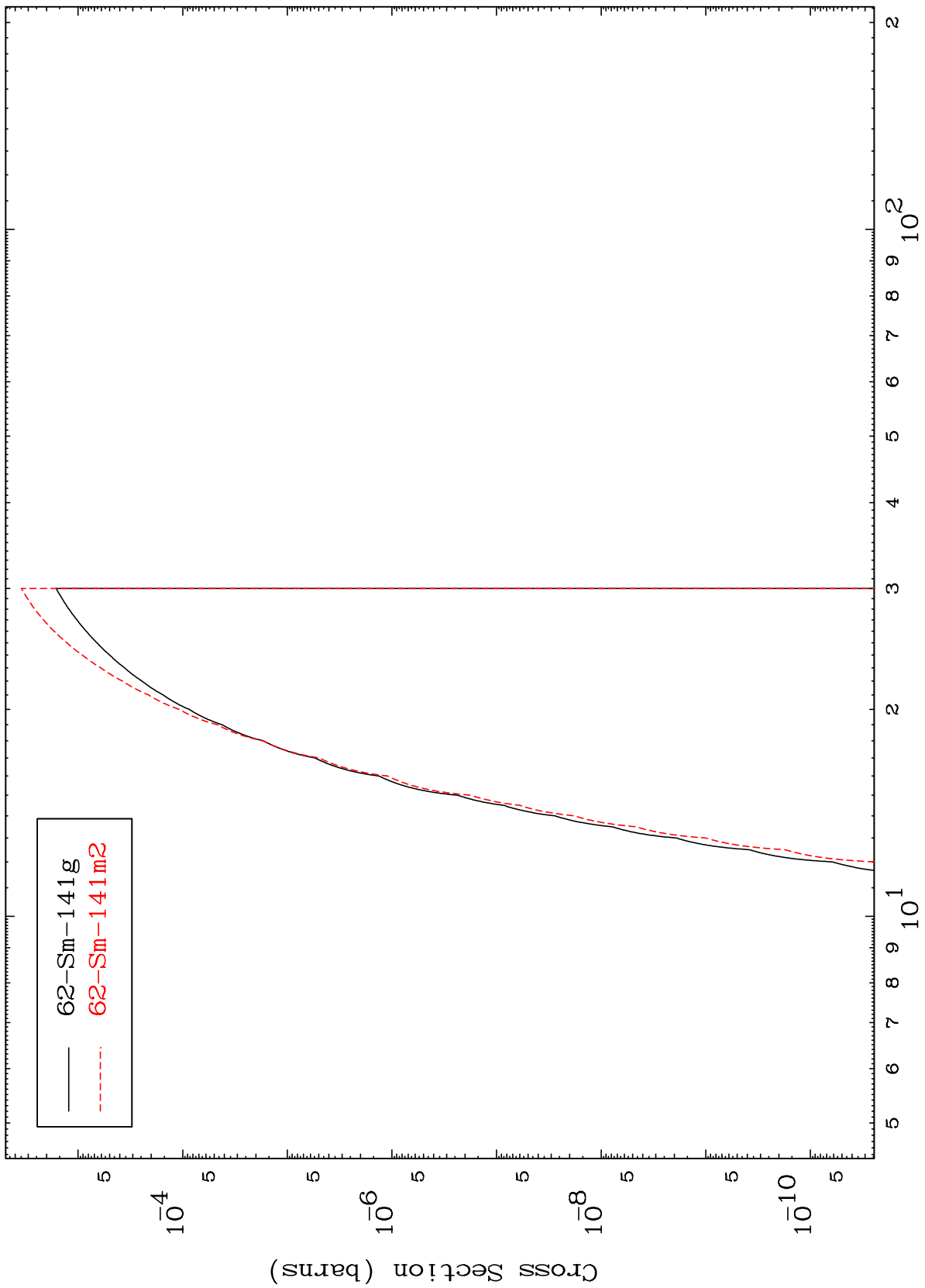
64-Gd-143

MAT 6398

(n,p) d

64-Gd-143

Radionuclide Production Cross Section



70

Incident Energy (MeV)

64-Gd-143