

Program EVALPLOT  
(Version 2018-1)

by

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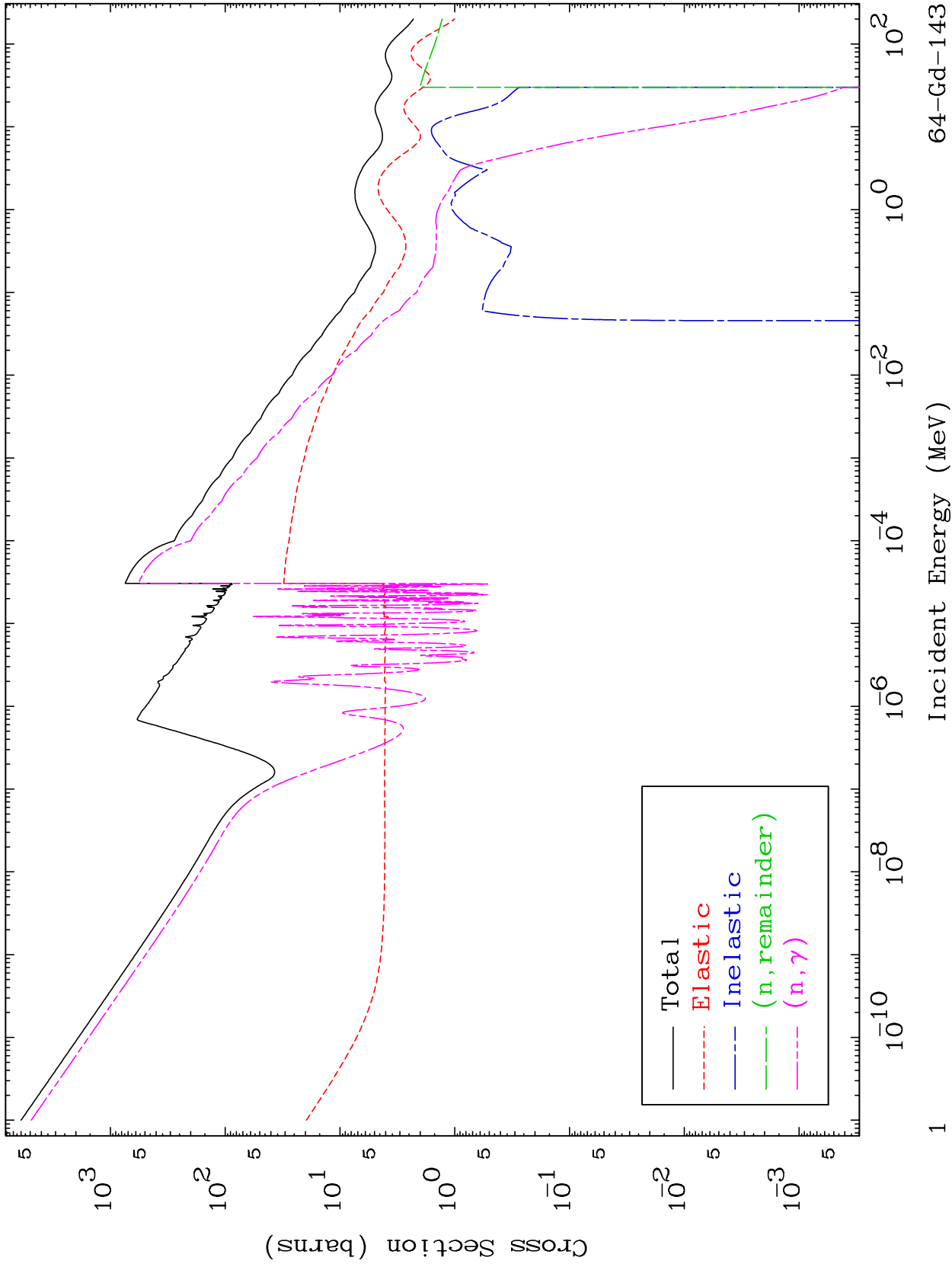
Press Mouse Button to Start

MAT 6398

Major

293 Kelvin Cross Sections

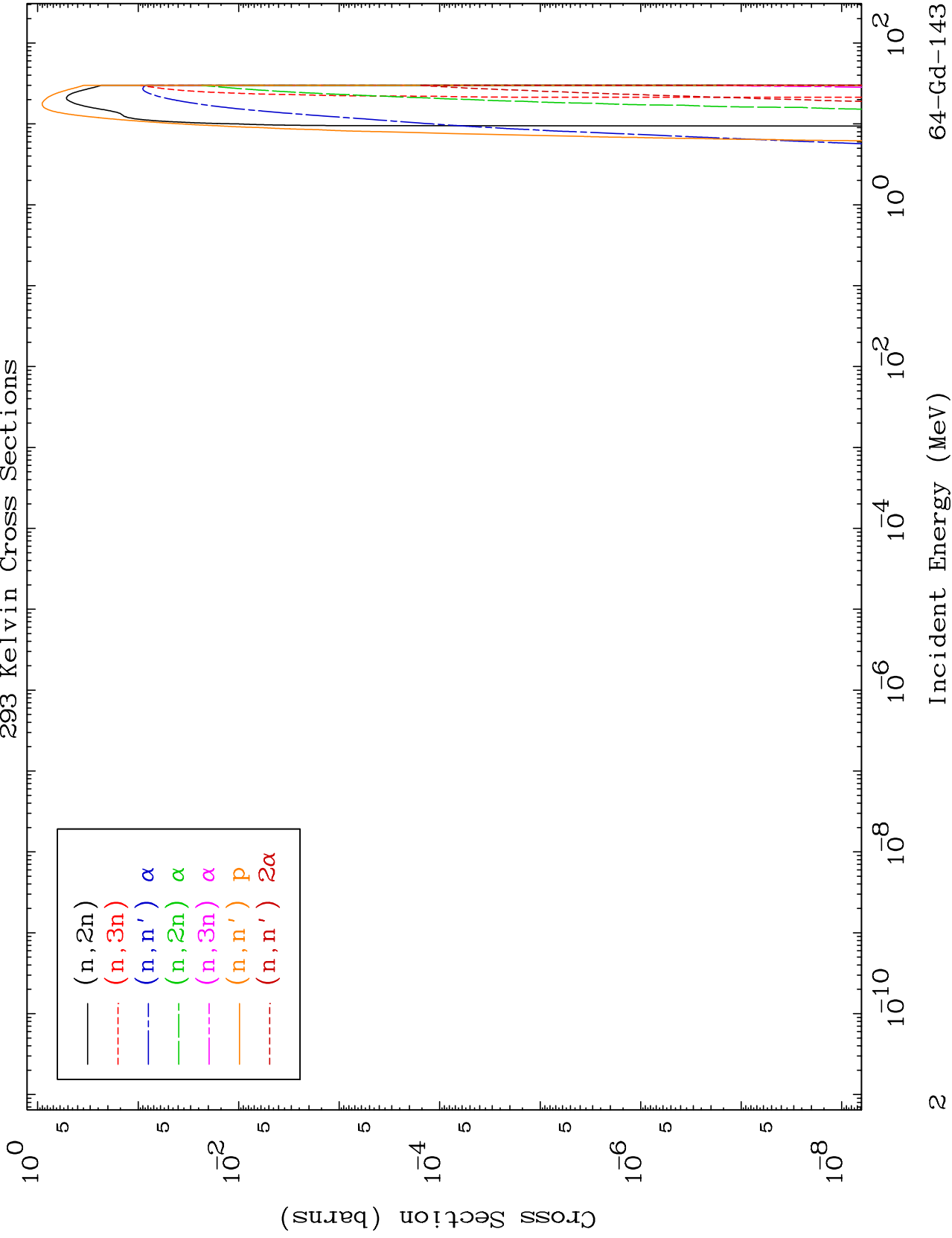
64-Gd-143

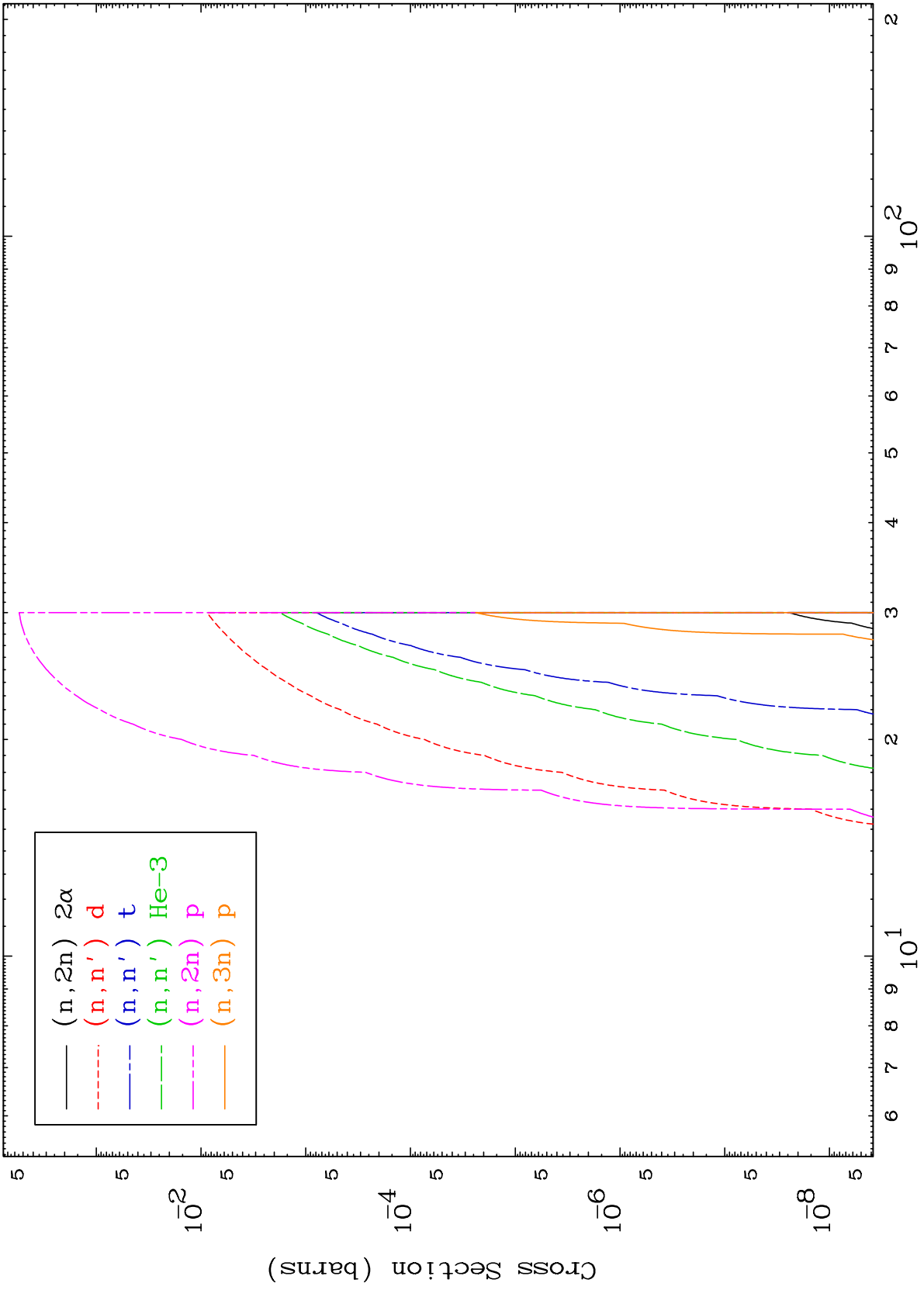


MAT 6398

Neutron Production  
293 Kelvin Cross Sections

64-Gd-143

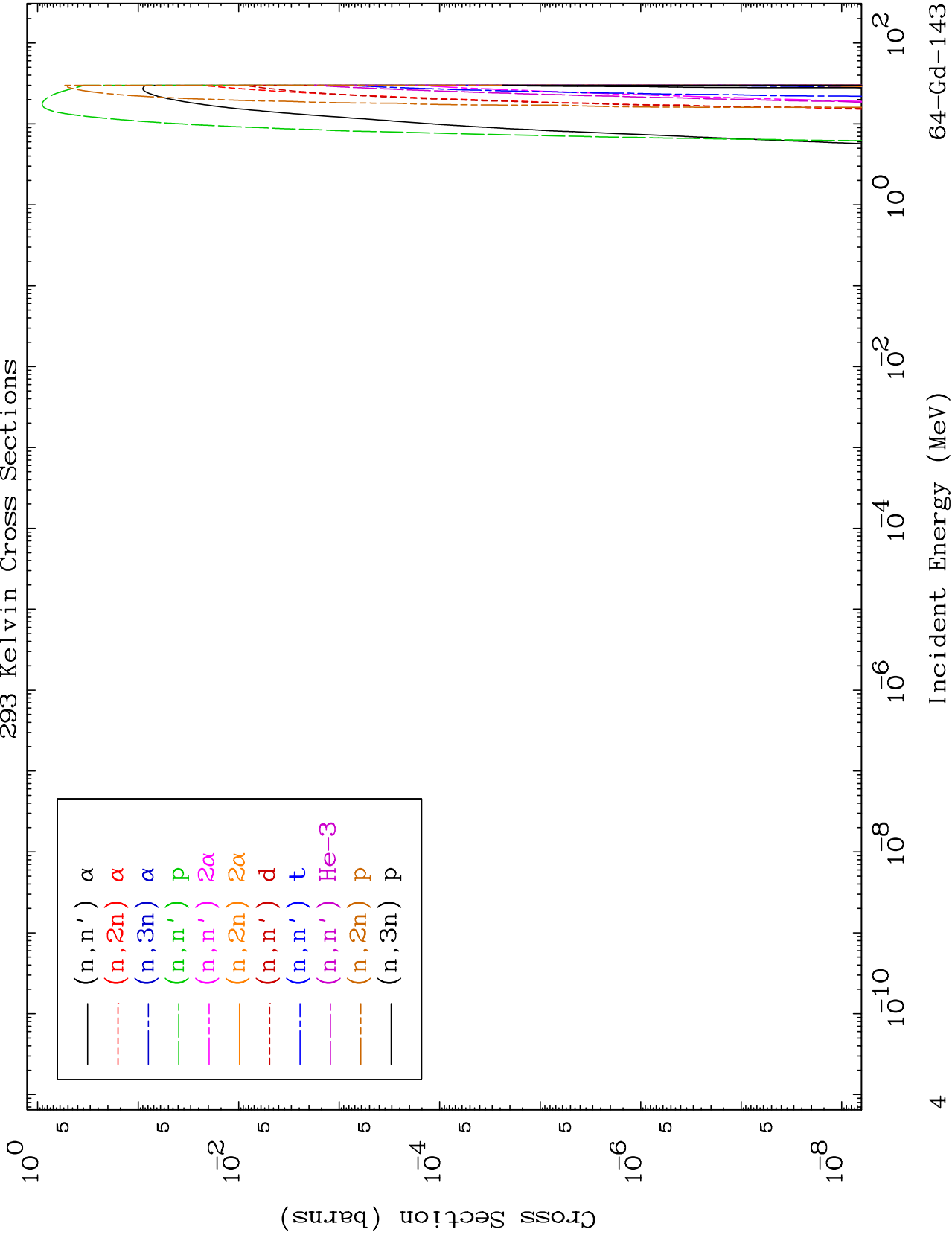




MAT 6398

Charged Particle  
293 Kelvin Cross Sections

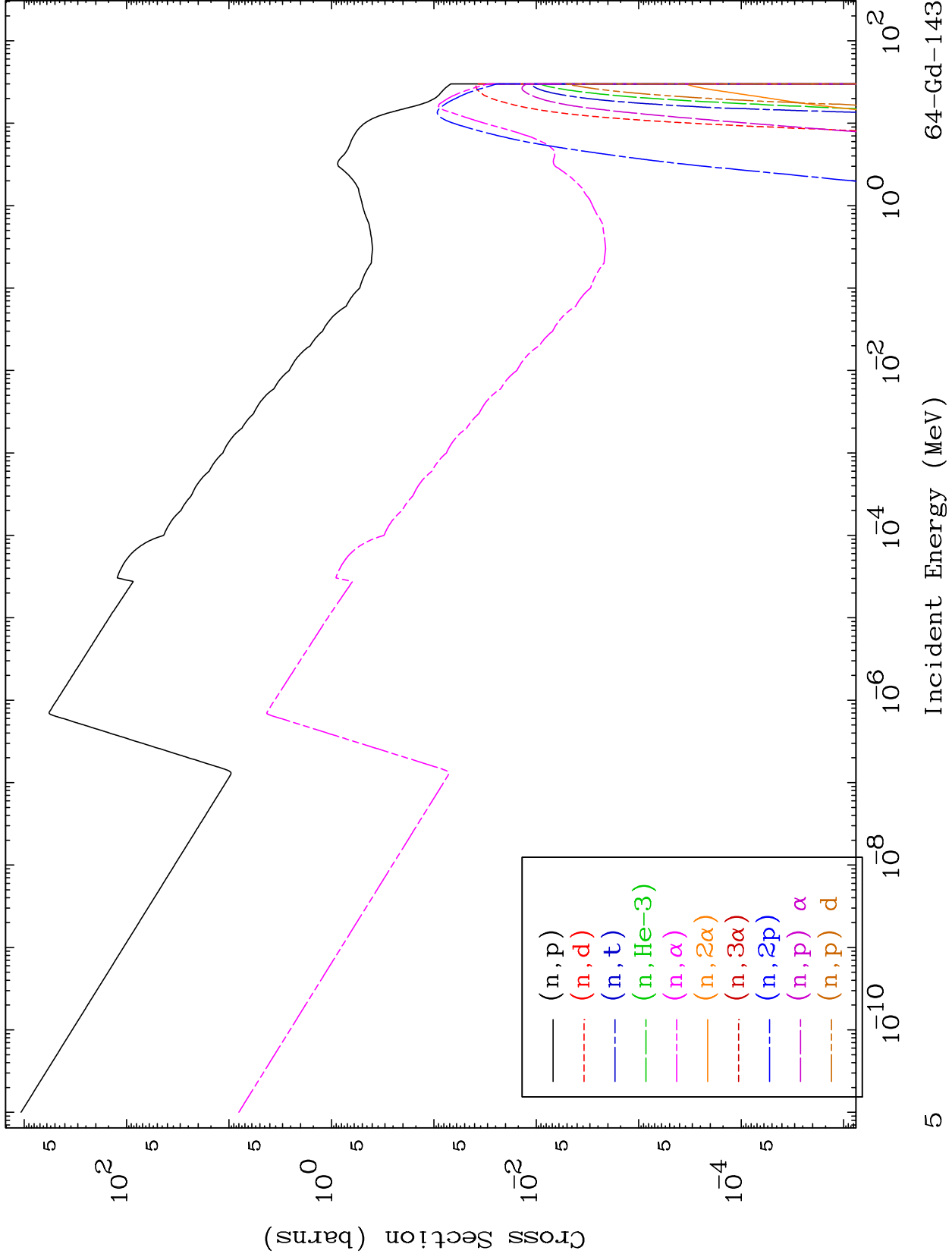
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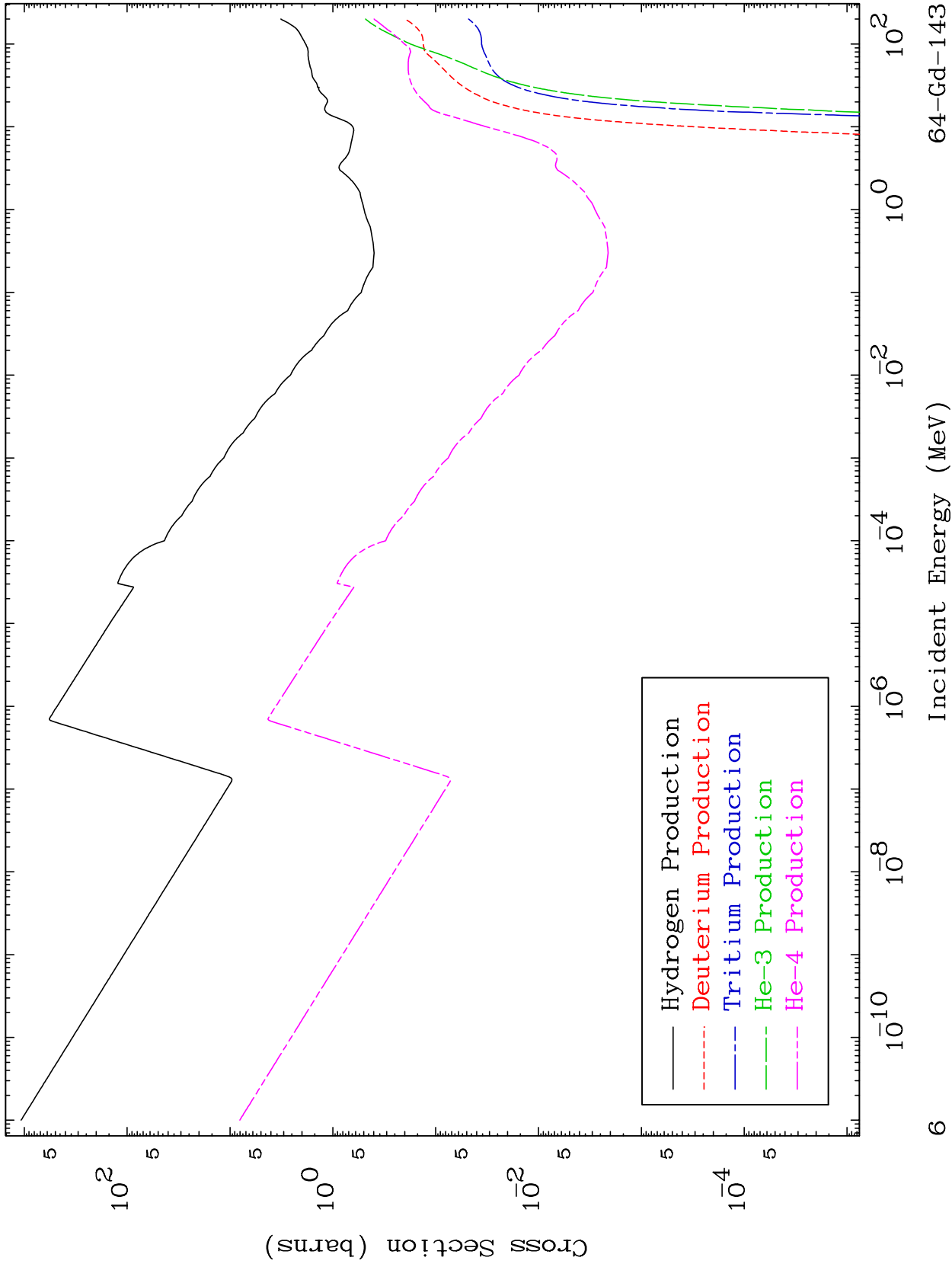


MAT 6398

Charged Particle  
293 Kelvin Cross Sections

64-Gd-143

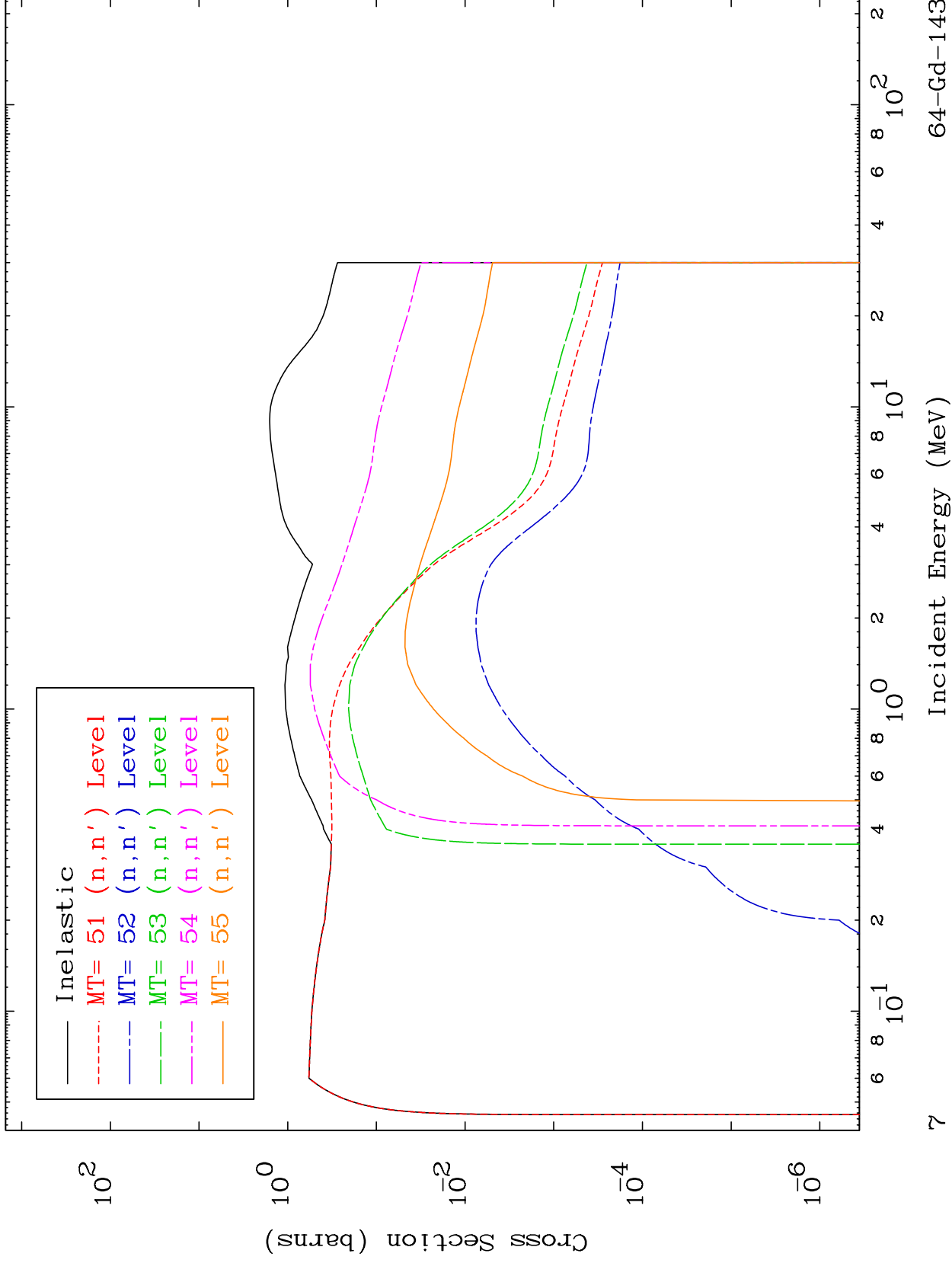




MAT 6398

293 (n,n') Level  
Kelvin Cross Sections

64-Gd-143



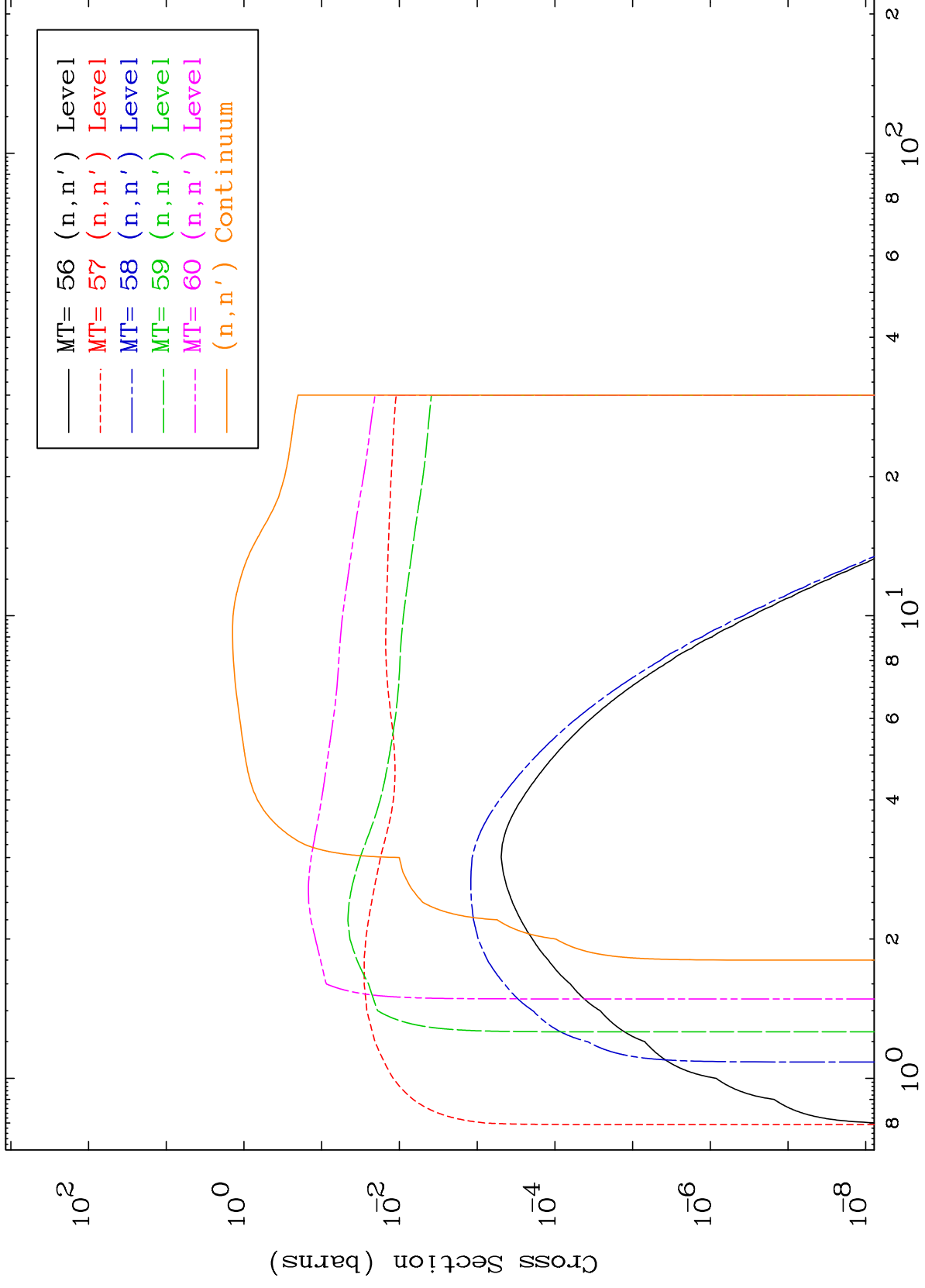


MAT 6398

(n,n') Level

64-Gd-143

293 Kelvin Cross Sections



8

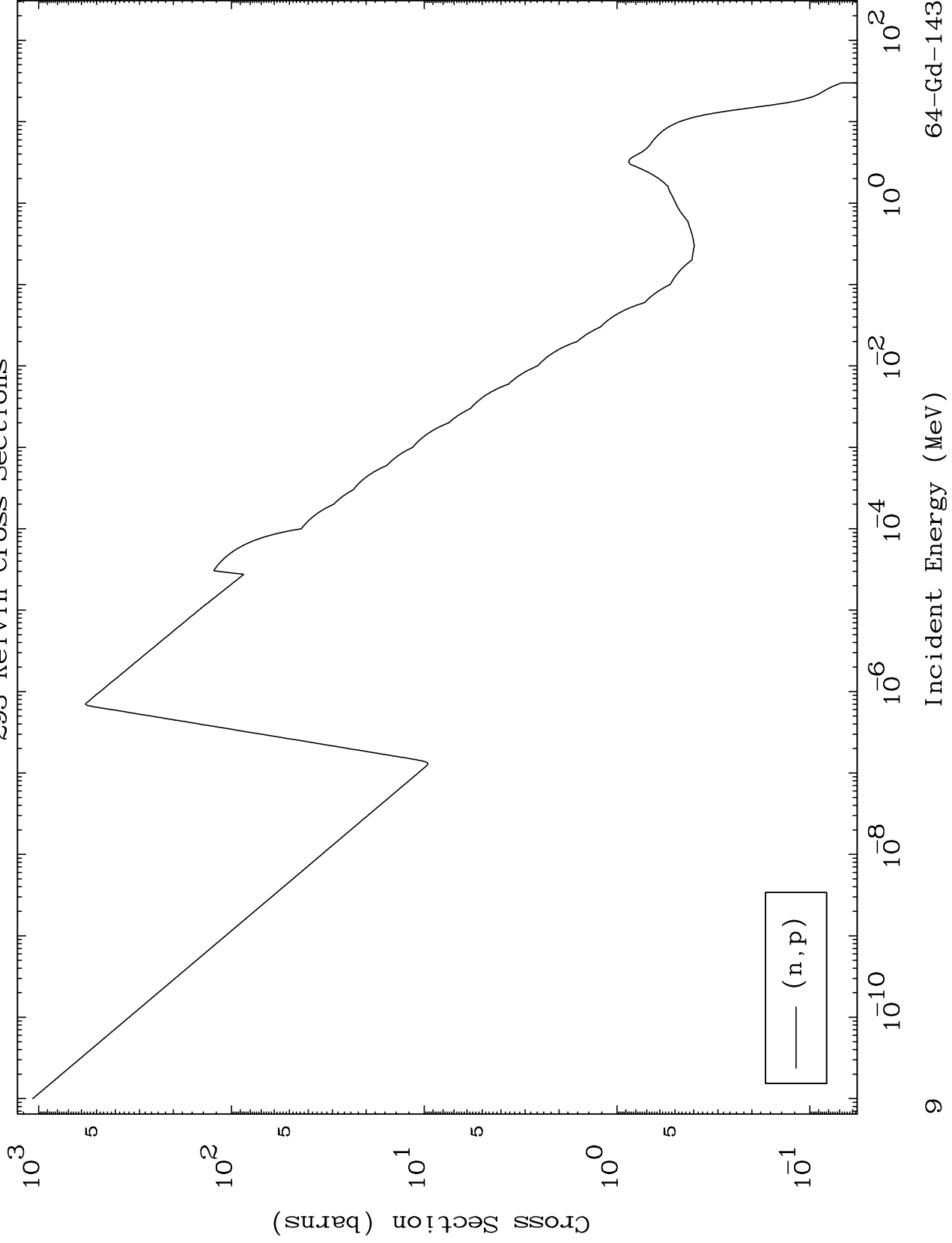
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,p) Levels  
293 Kelvin Cross Sections

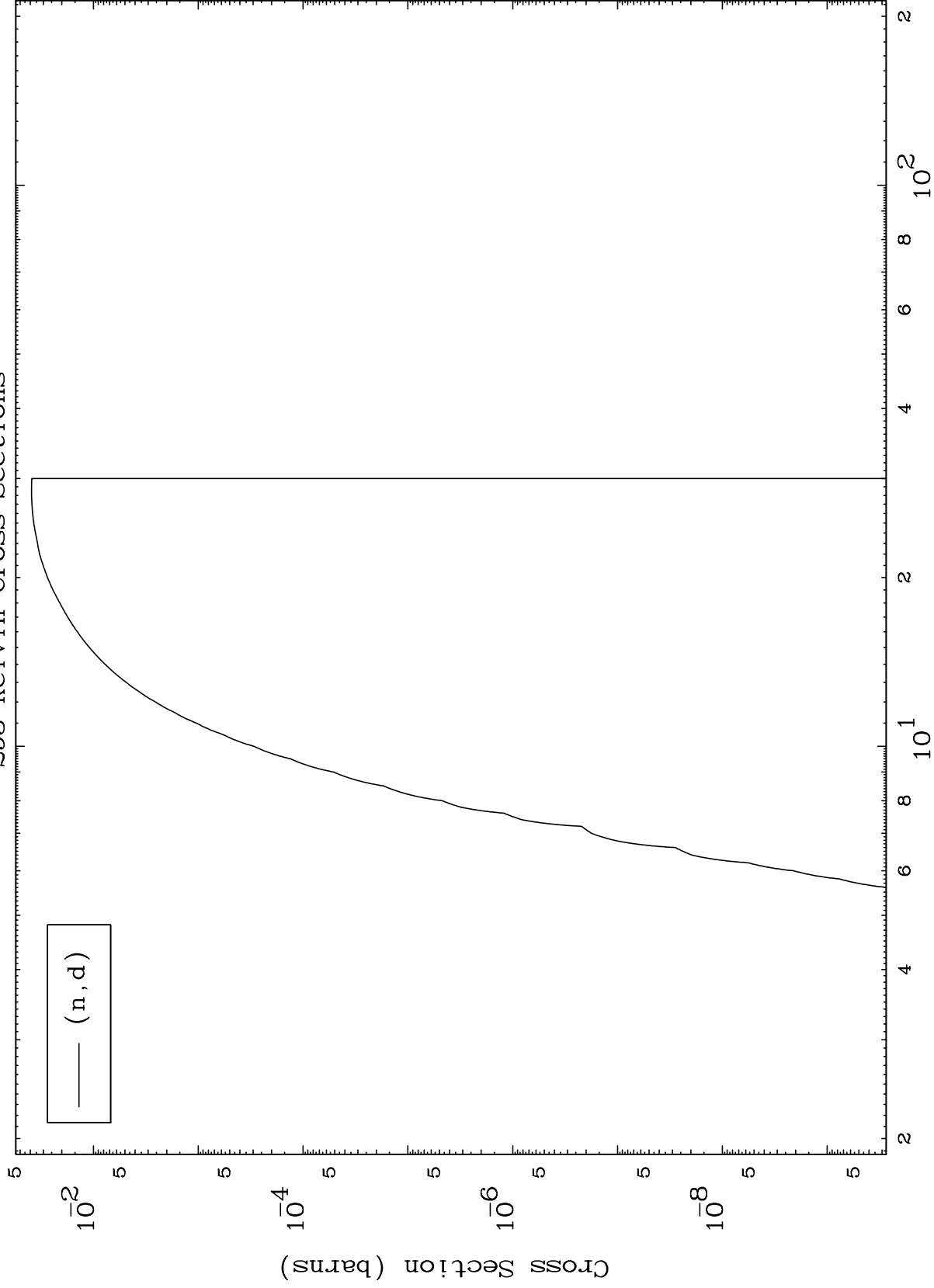
64-Gd-143



MAT 6398

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-143



10

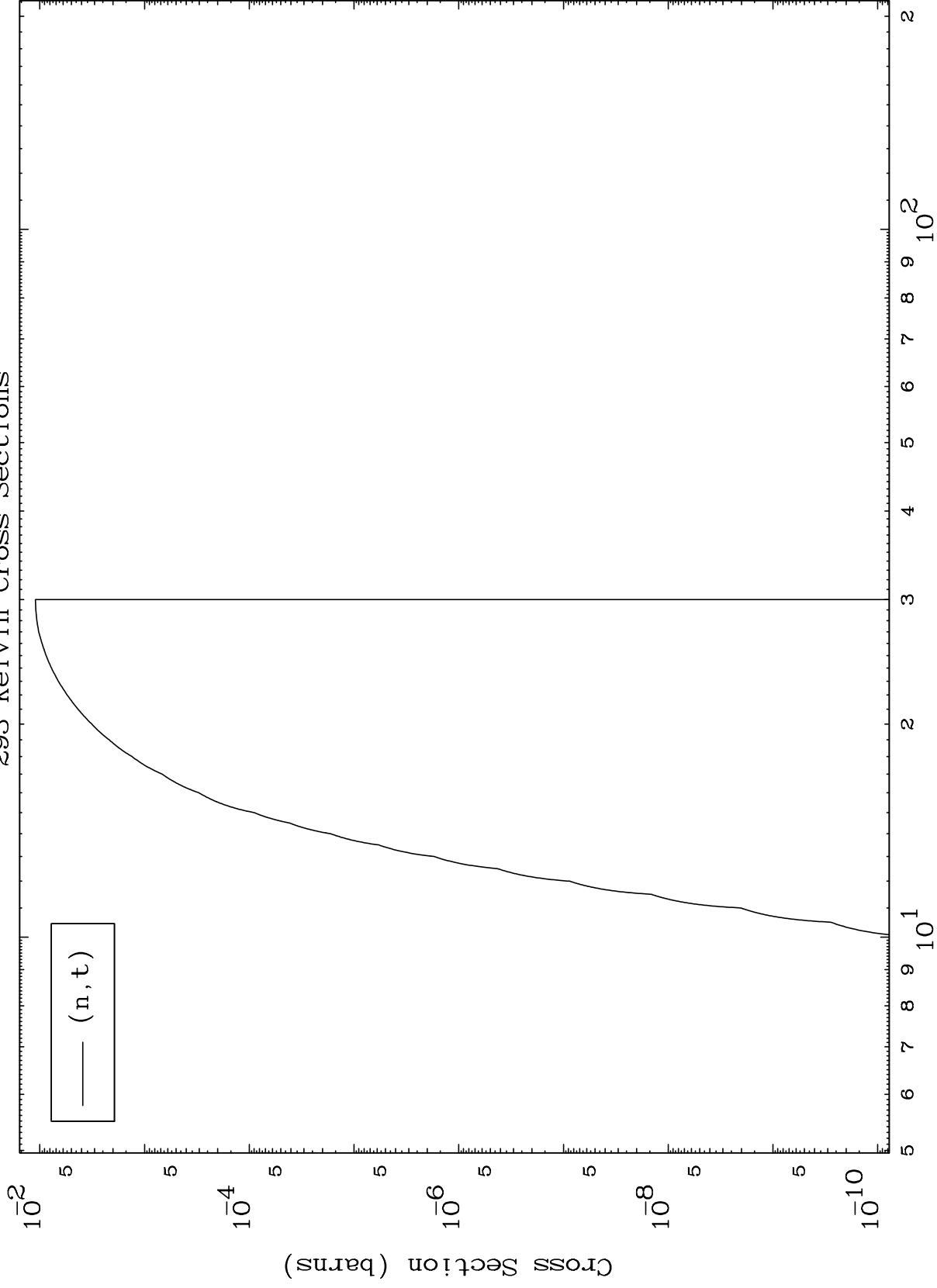
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-143



11

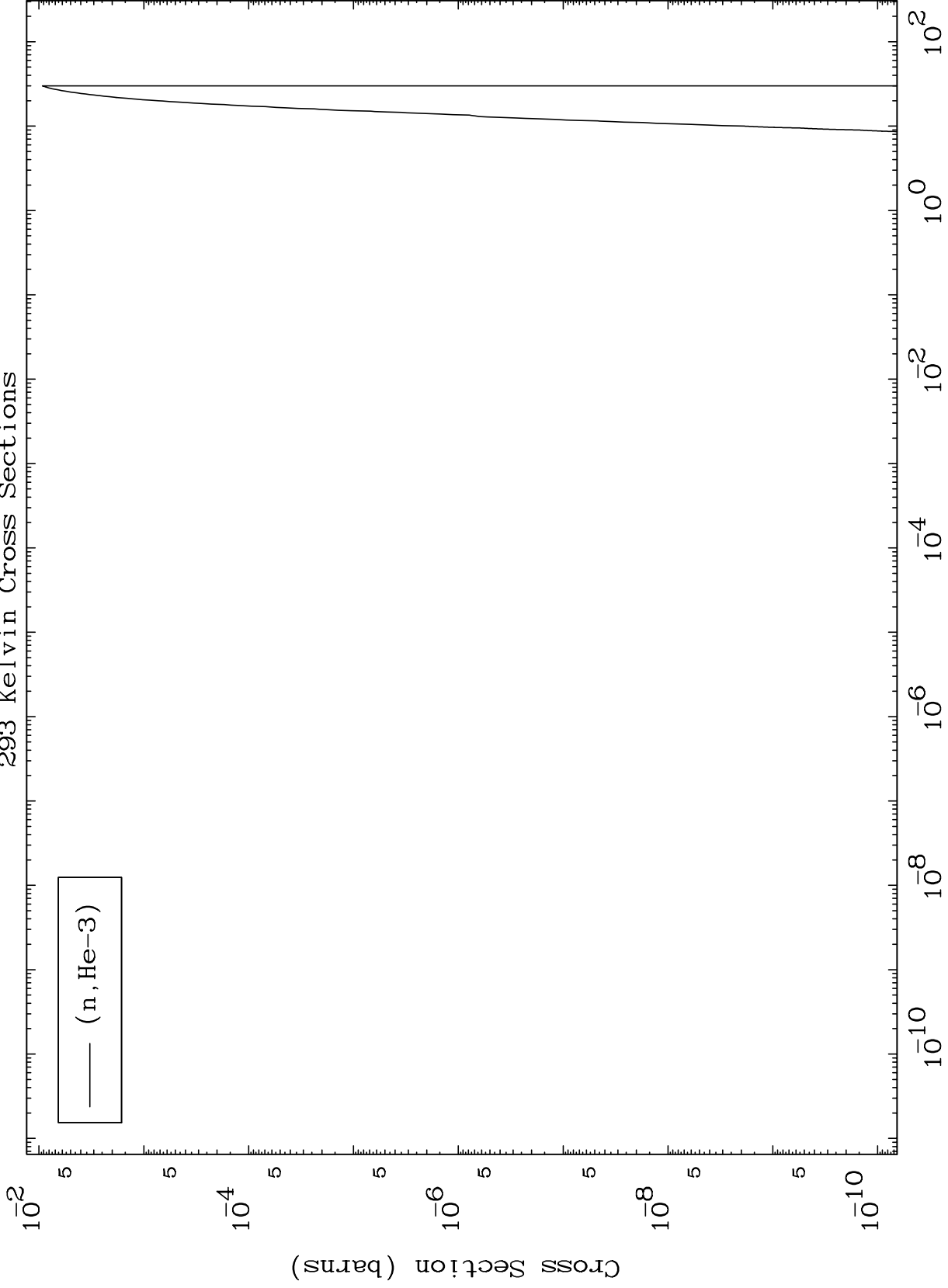
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-143

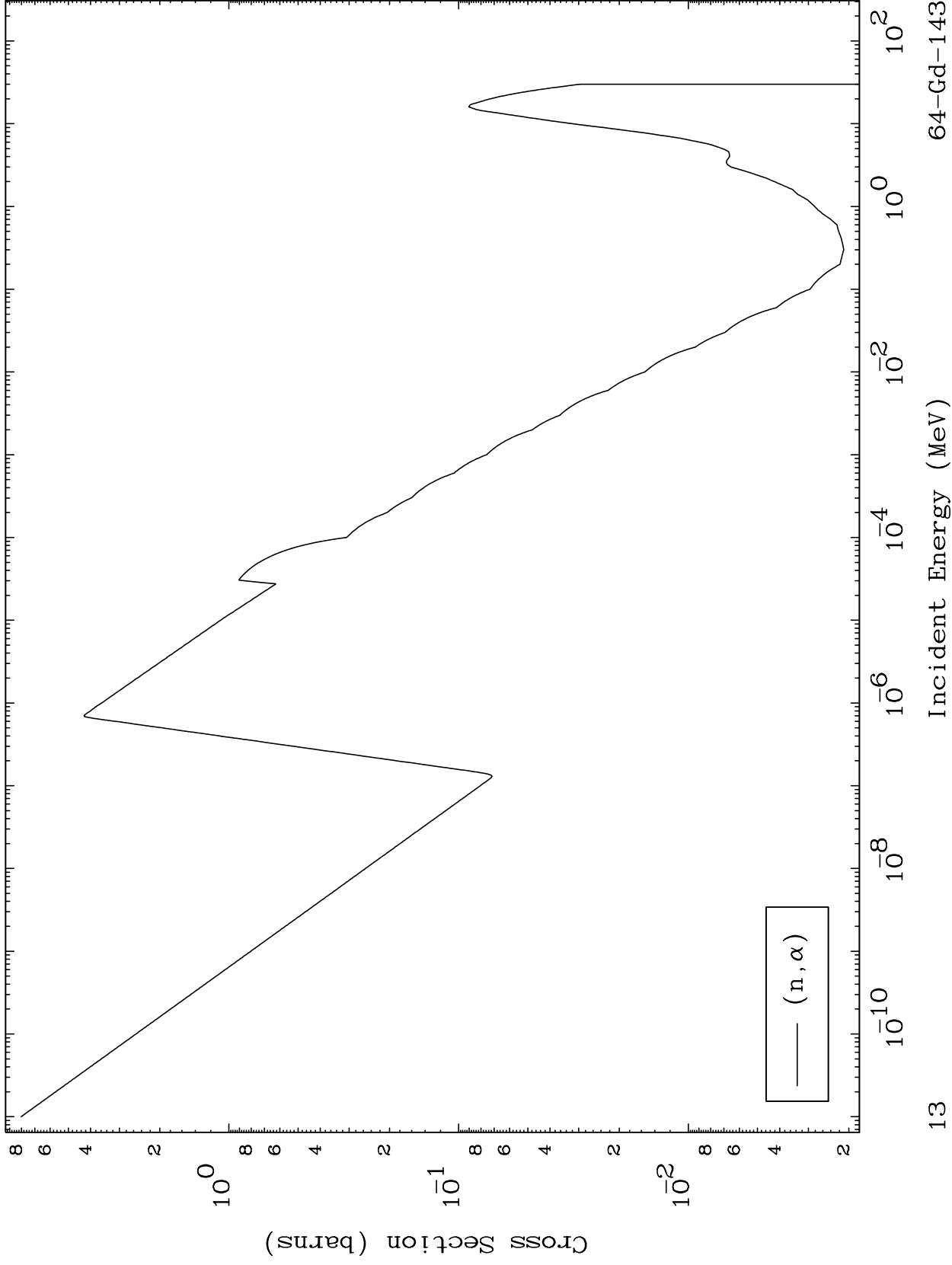


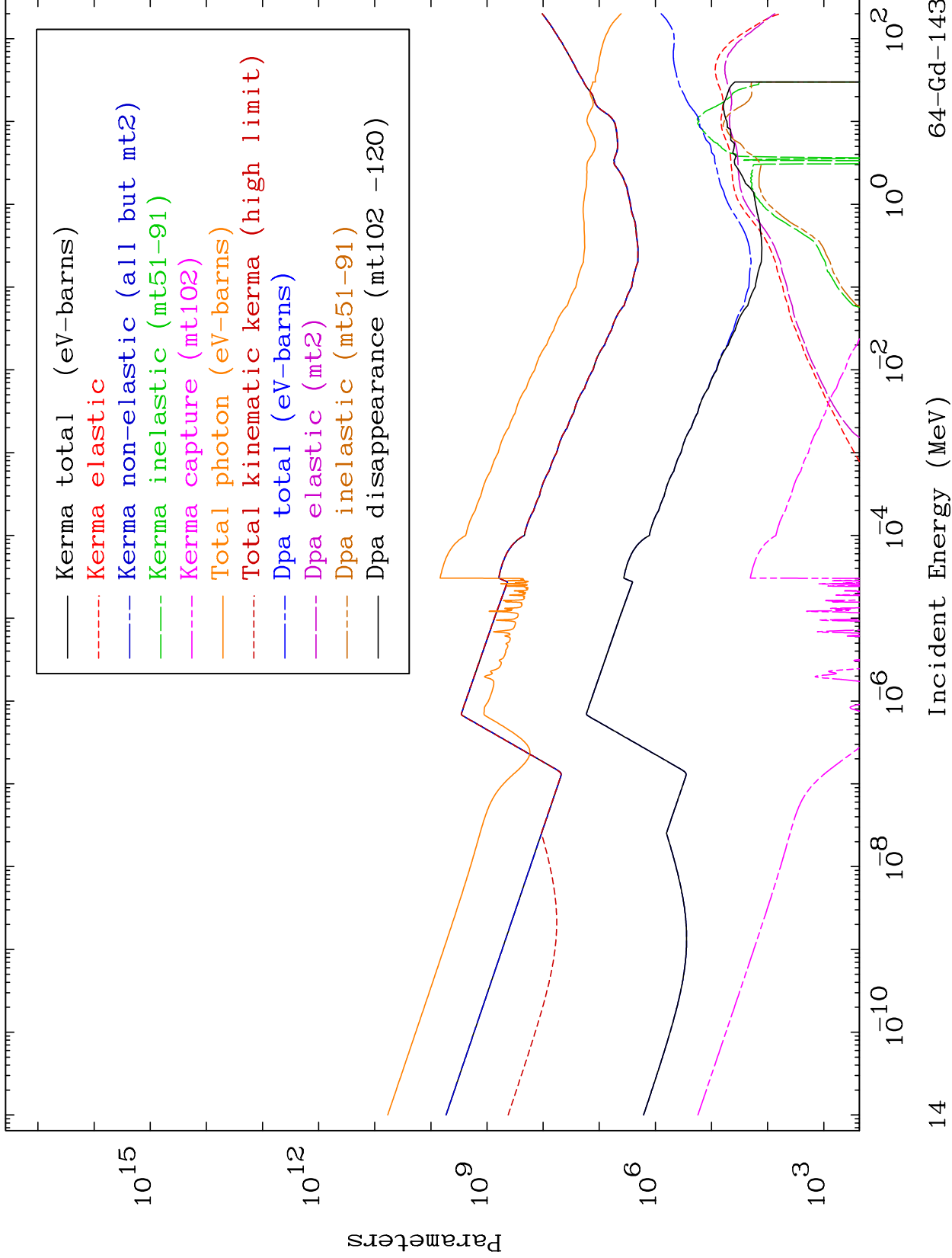
(n, He-3)

MAT 6398

(n,α) Levels  
293 Kelvin Cross Sections

64-Gd-143

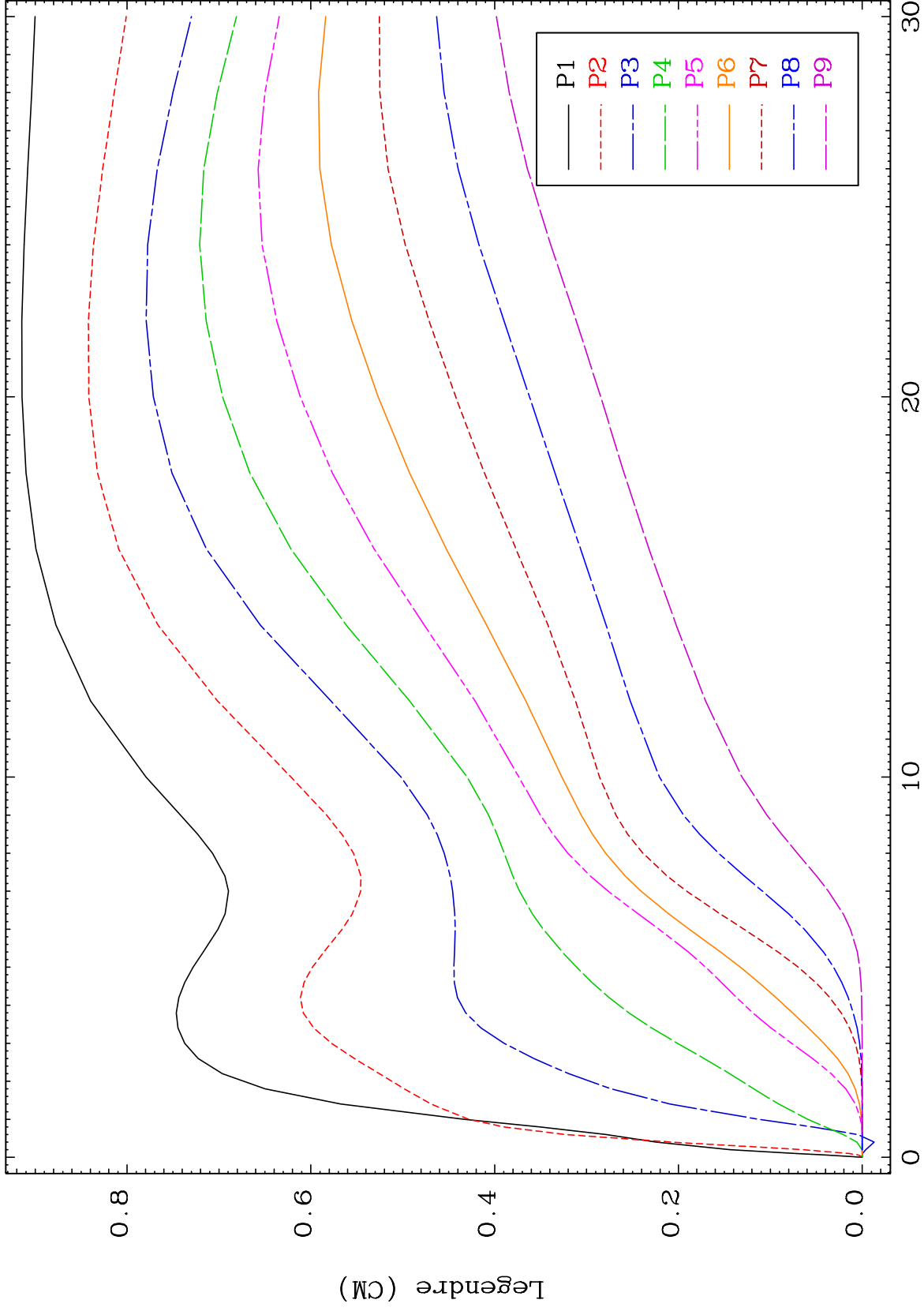




MAT 6398

Elastic Legendre Coefficients

64-Gd-143



15

Incident Energy (MeV)

64-Gd-143

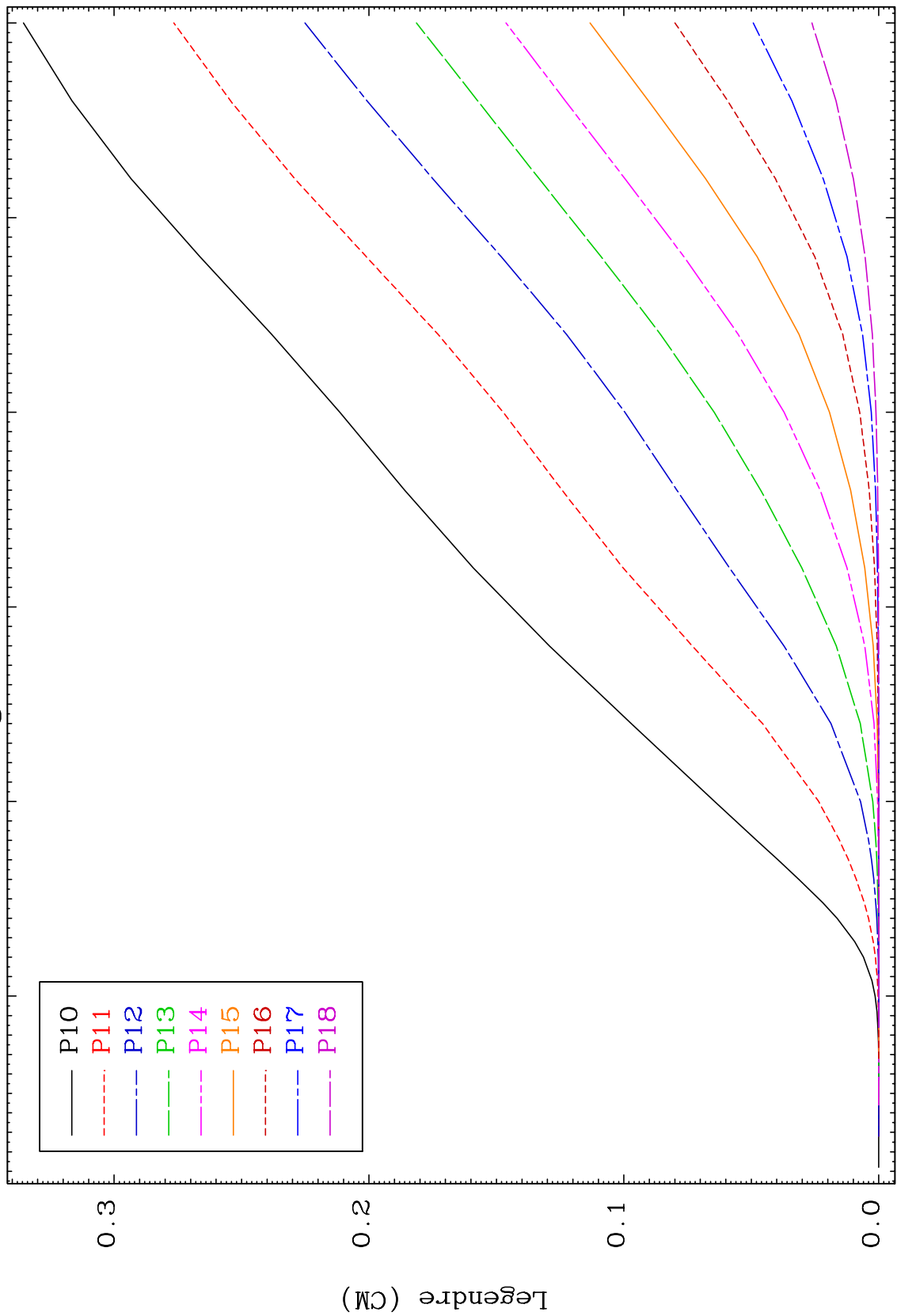
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MAT 6398

Elastic Legendre Coefficients

64-Gd-143



16

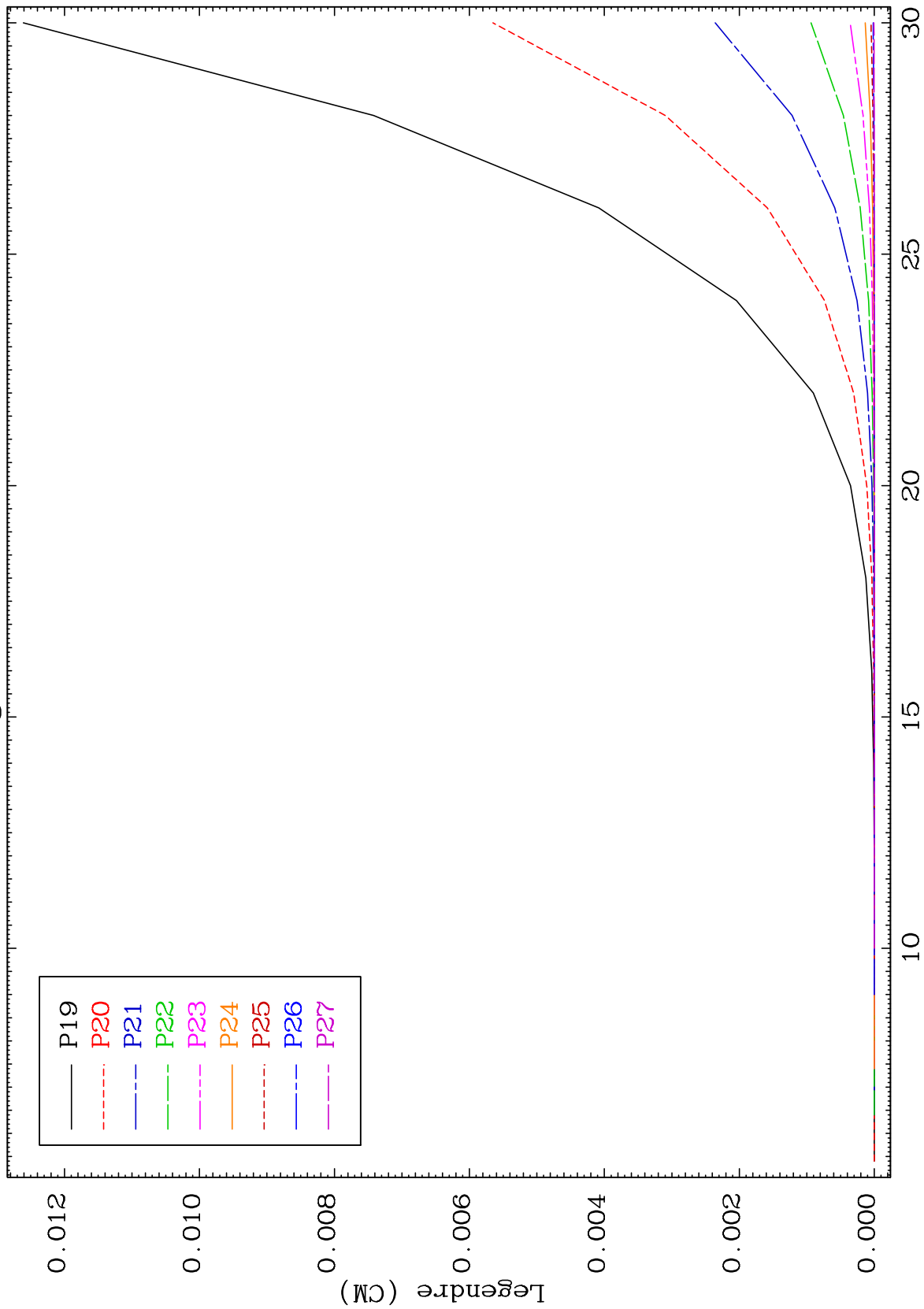
Incident Energy (MeV)

64-Gd-143

MAT 6398

Elastic Legendre Coefficients

64-Gd-143



17

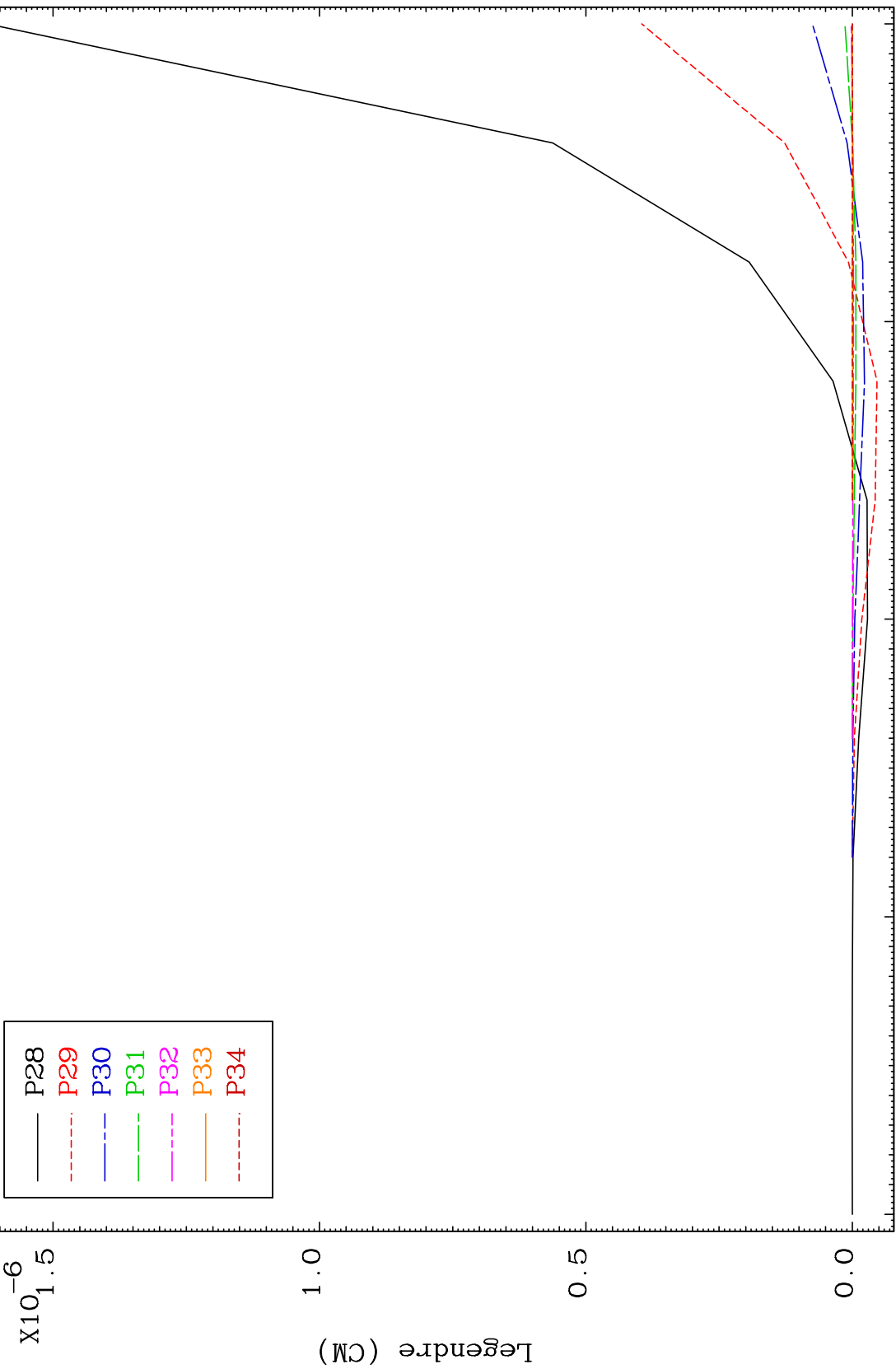
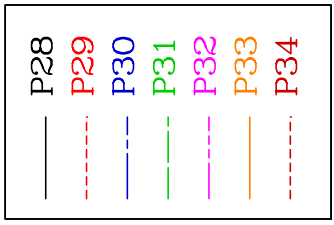
Incident Energy (MeV)

64-Gd-143

MAT 6398

Elastic Legendre Coefficients

64-Gd-143



64-Gd-143

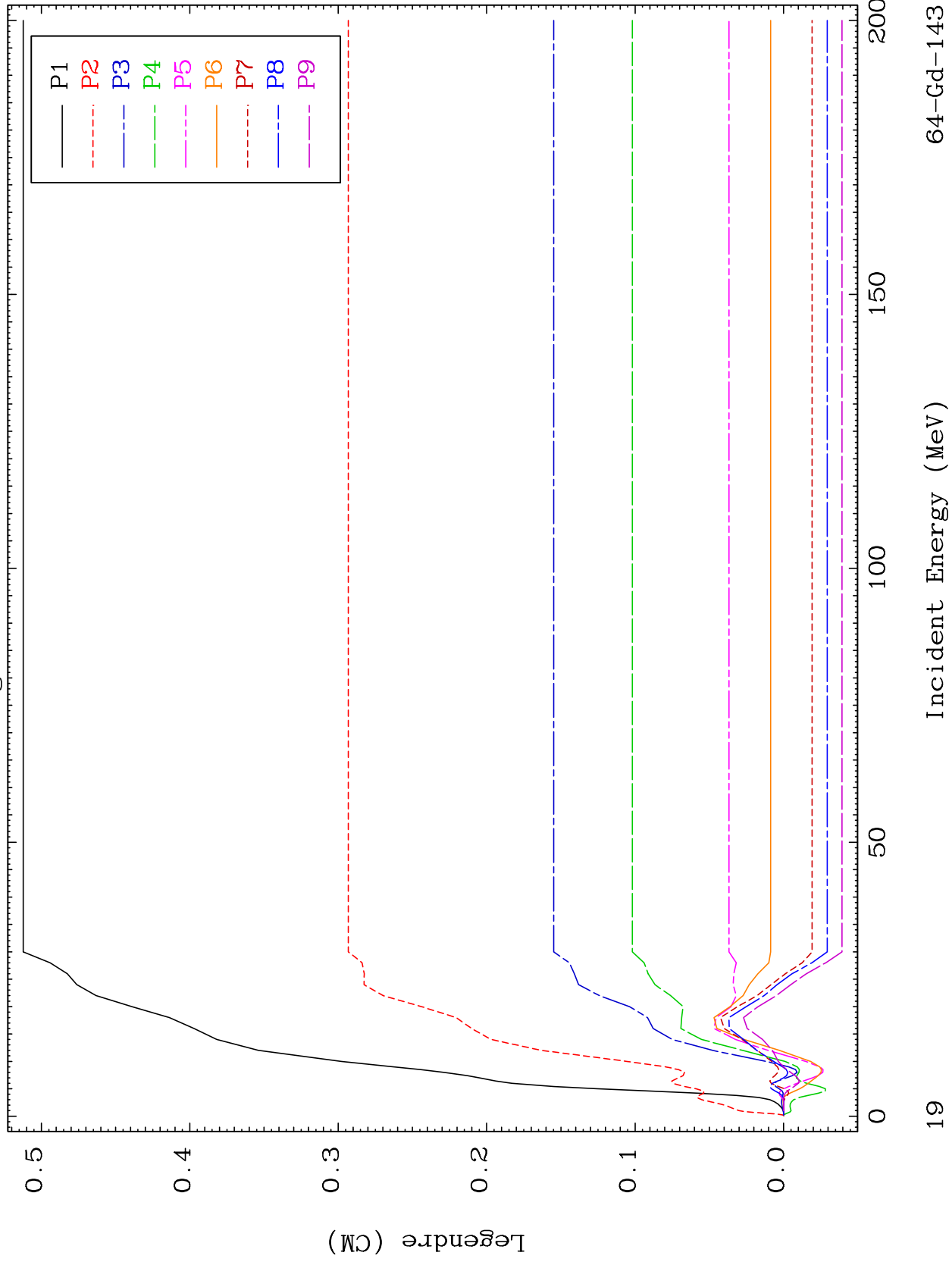
Incident Energy (MeV)

18

MAT 6398

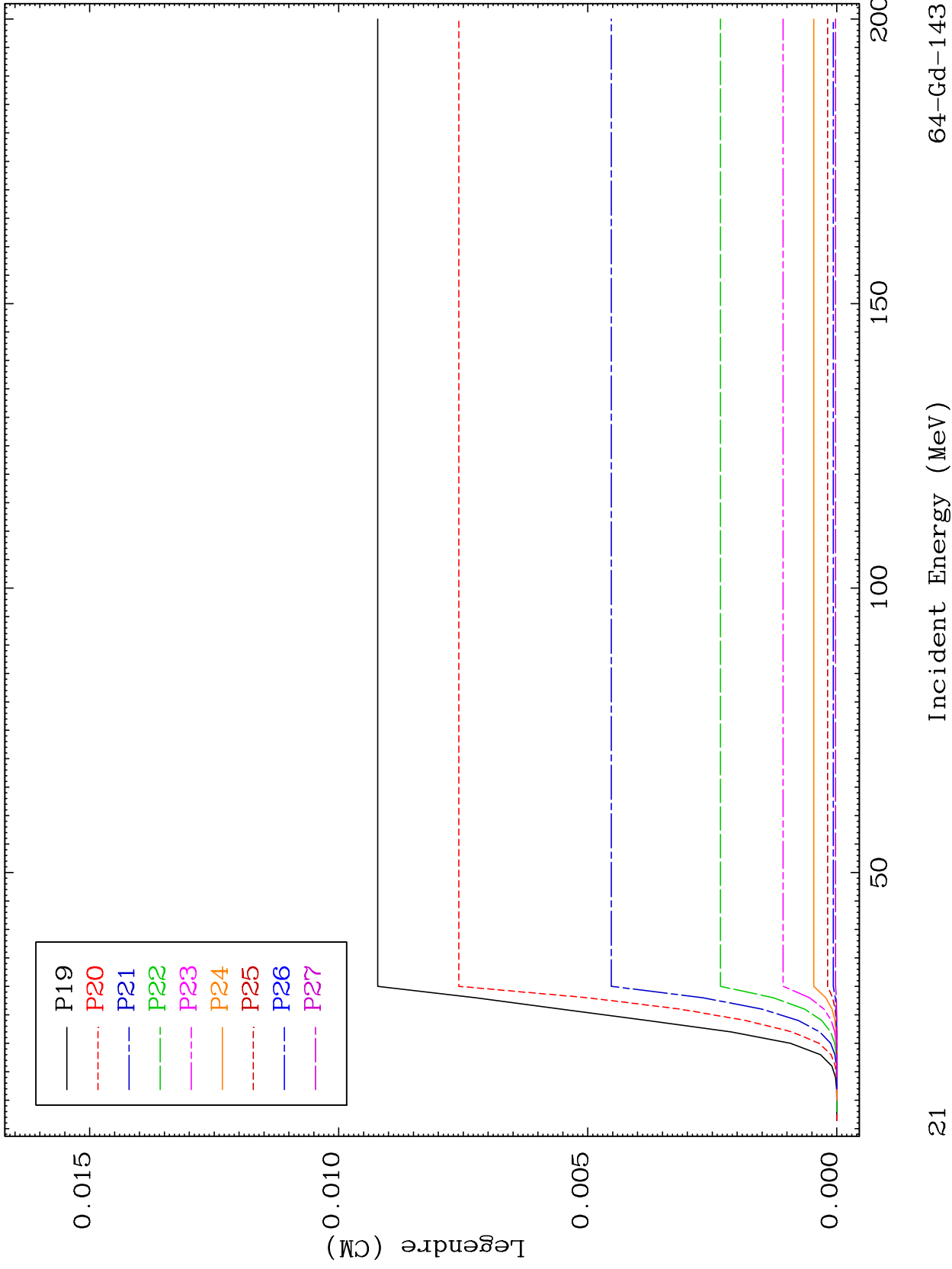
MT= 51 (n,n') Level  
Legendre Coefficients

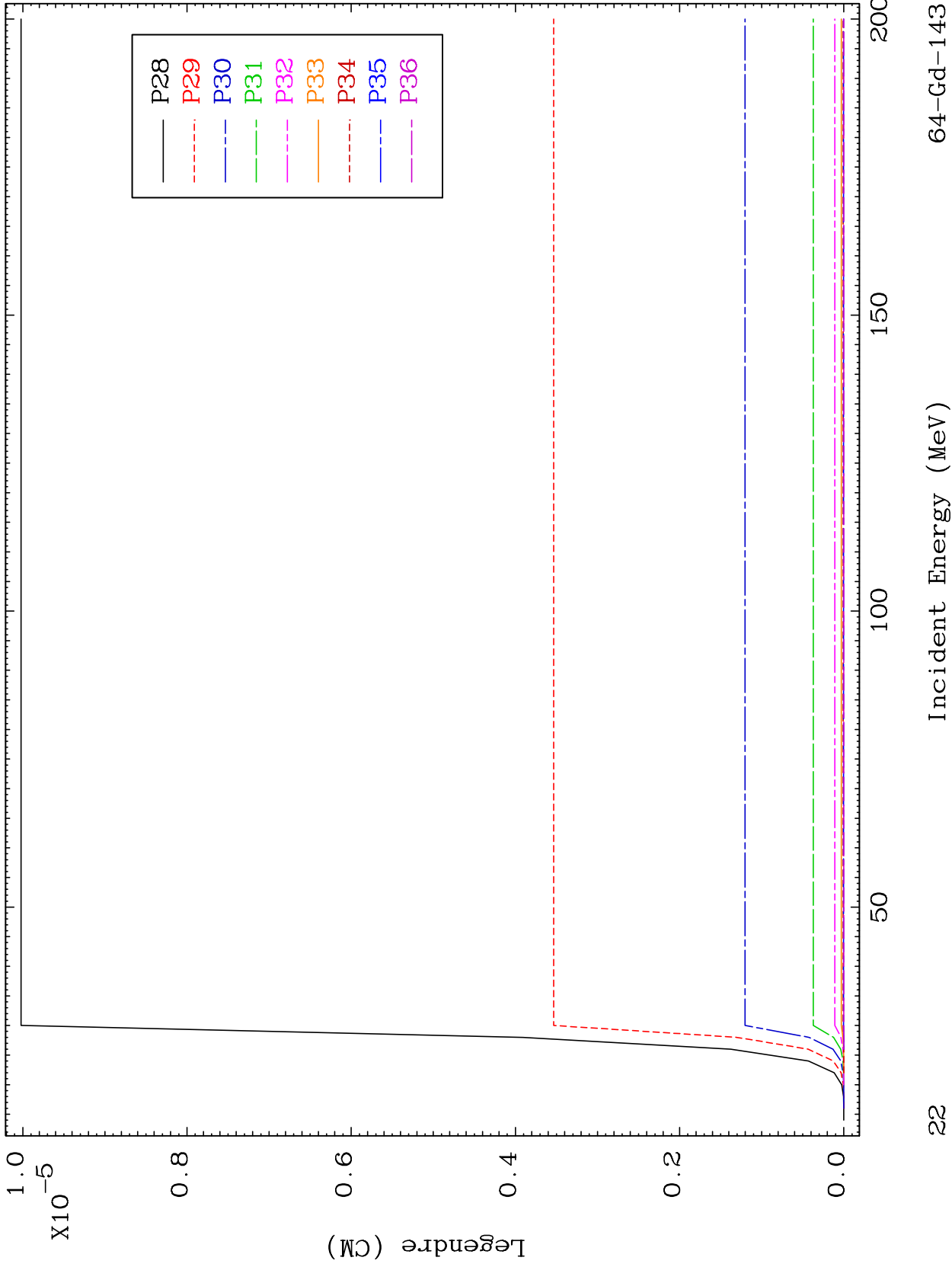
64-Gd-143



19



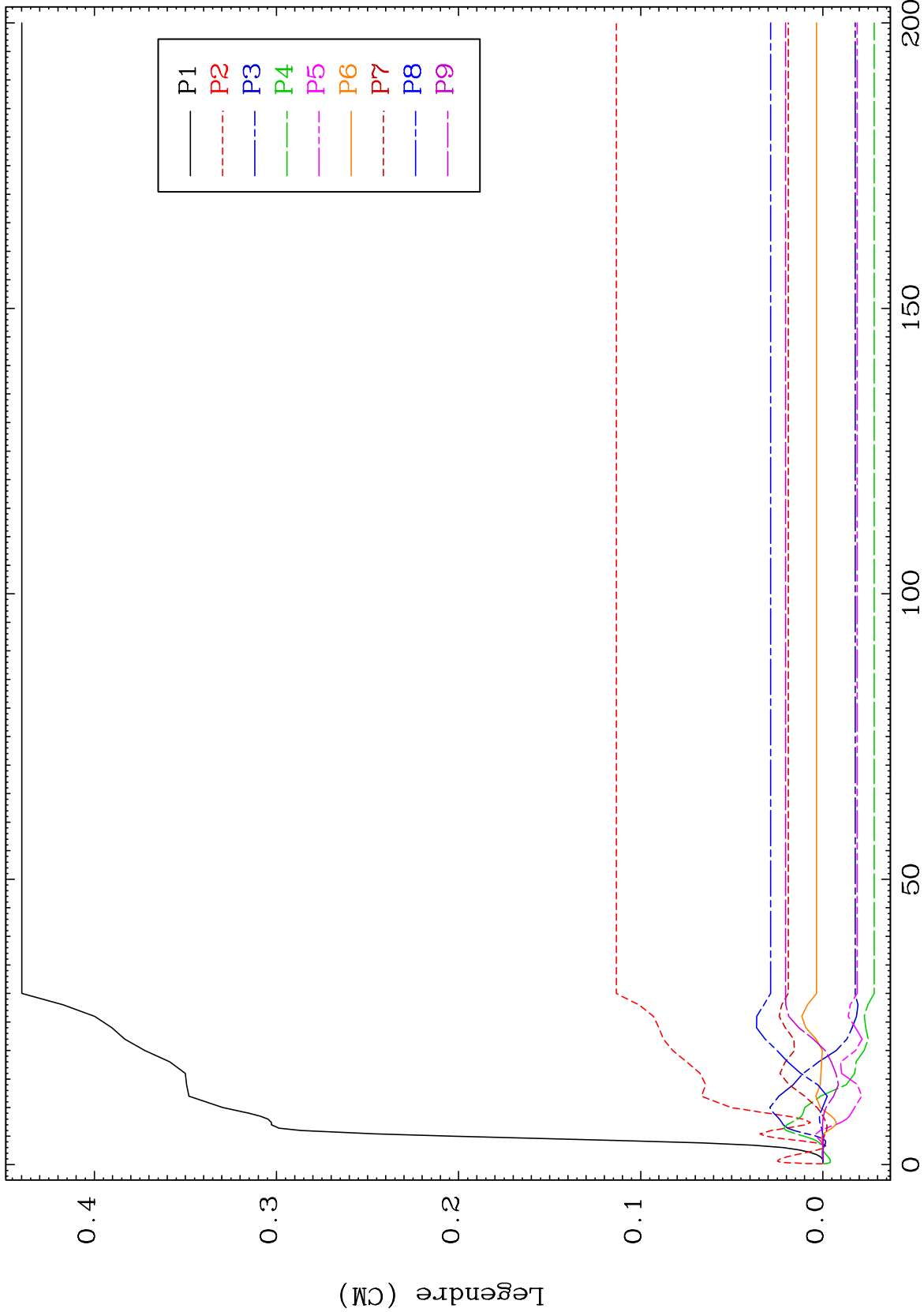




MAT 6398

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

64-Gd-143



23

Incident Energy (MeV)

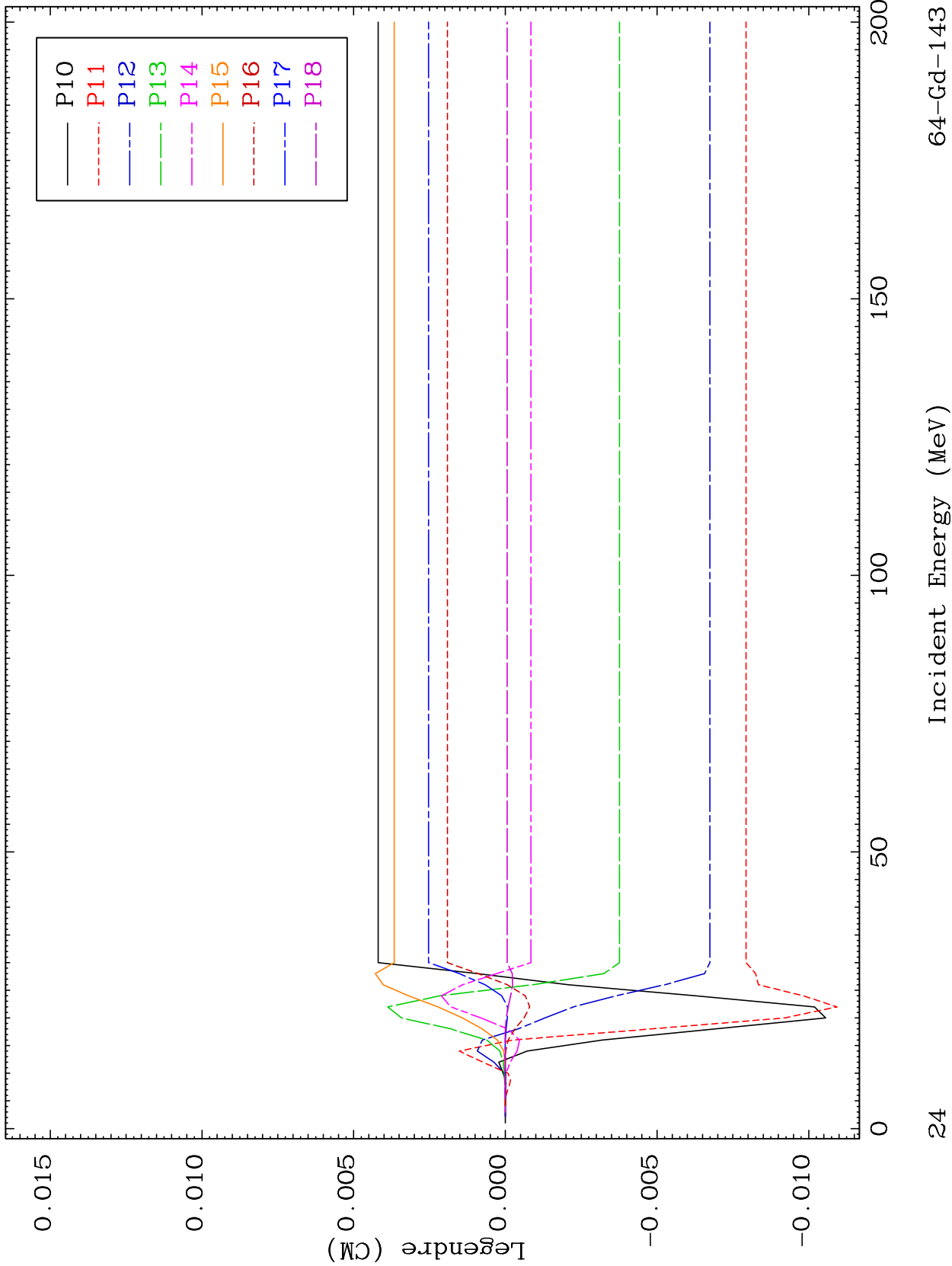
64-Gd-143



MAT 6398

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

64-Gd-143



24

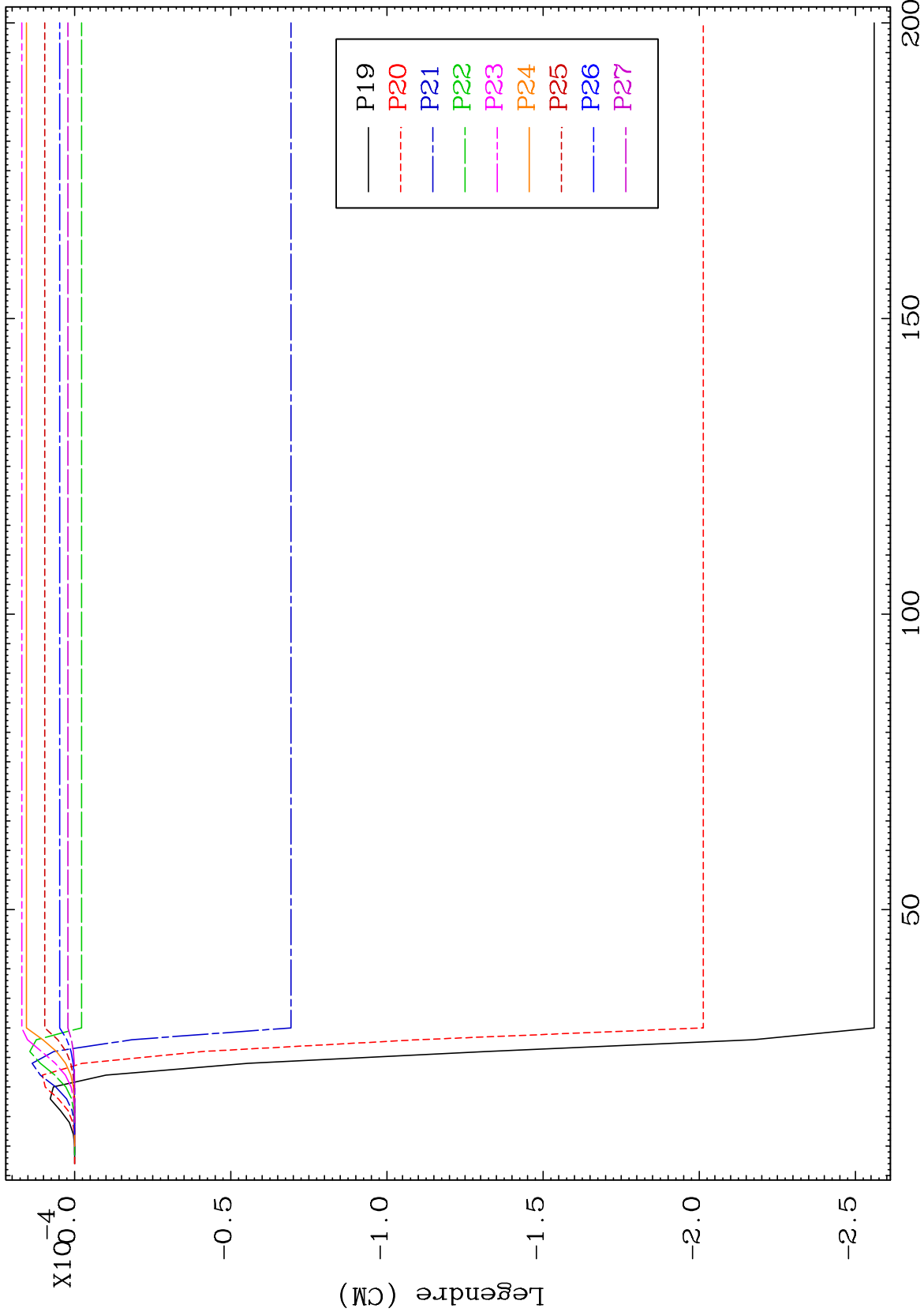
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



25

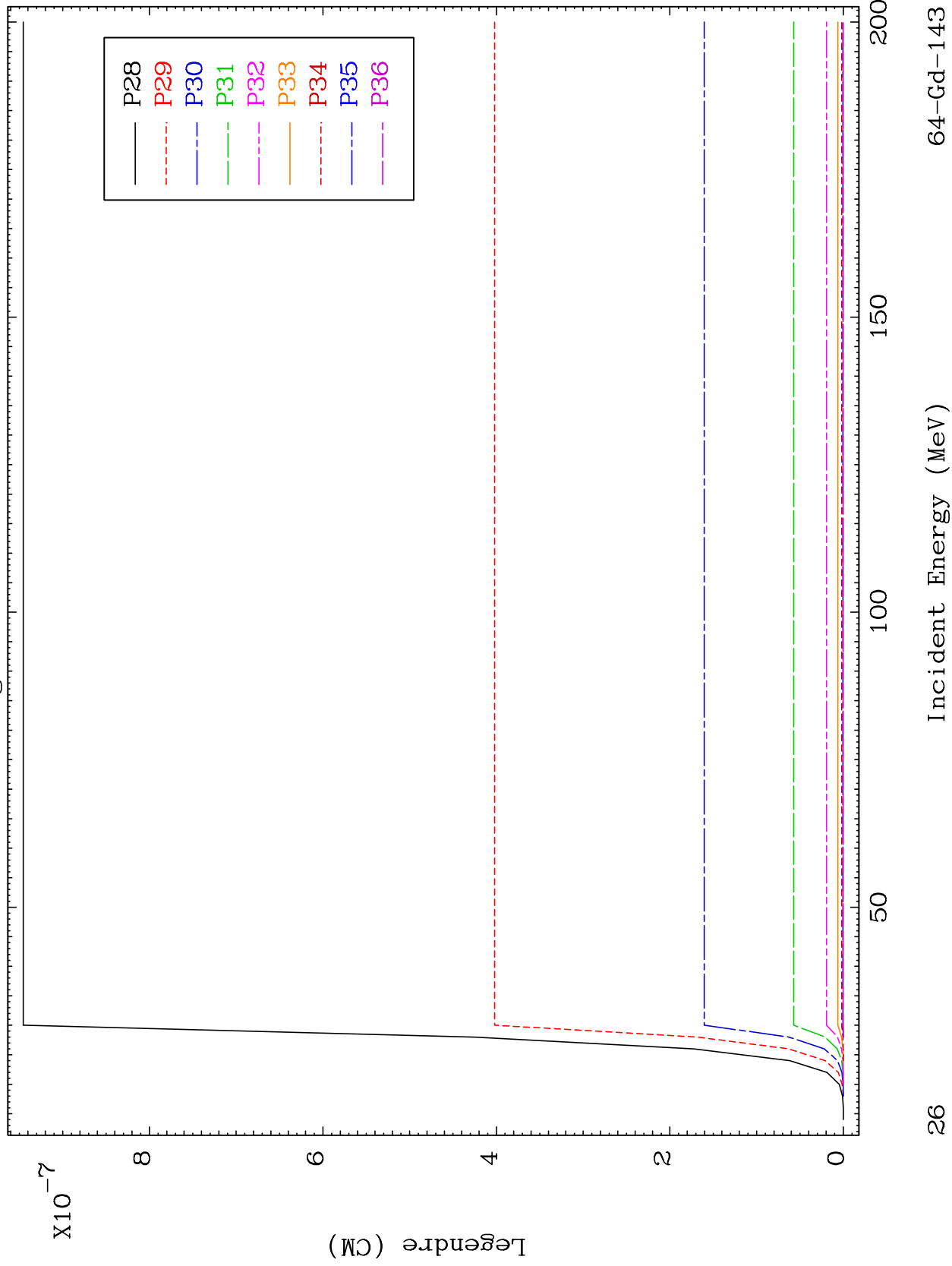
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



26

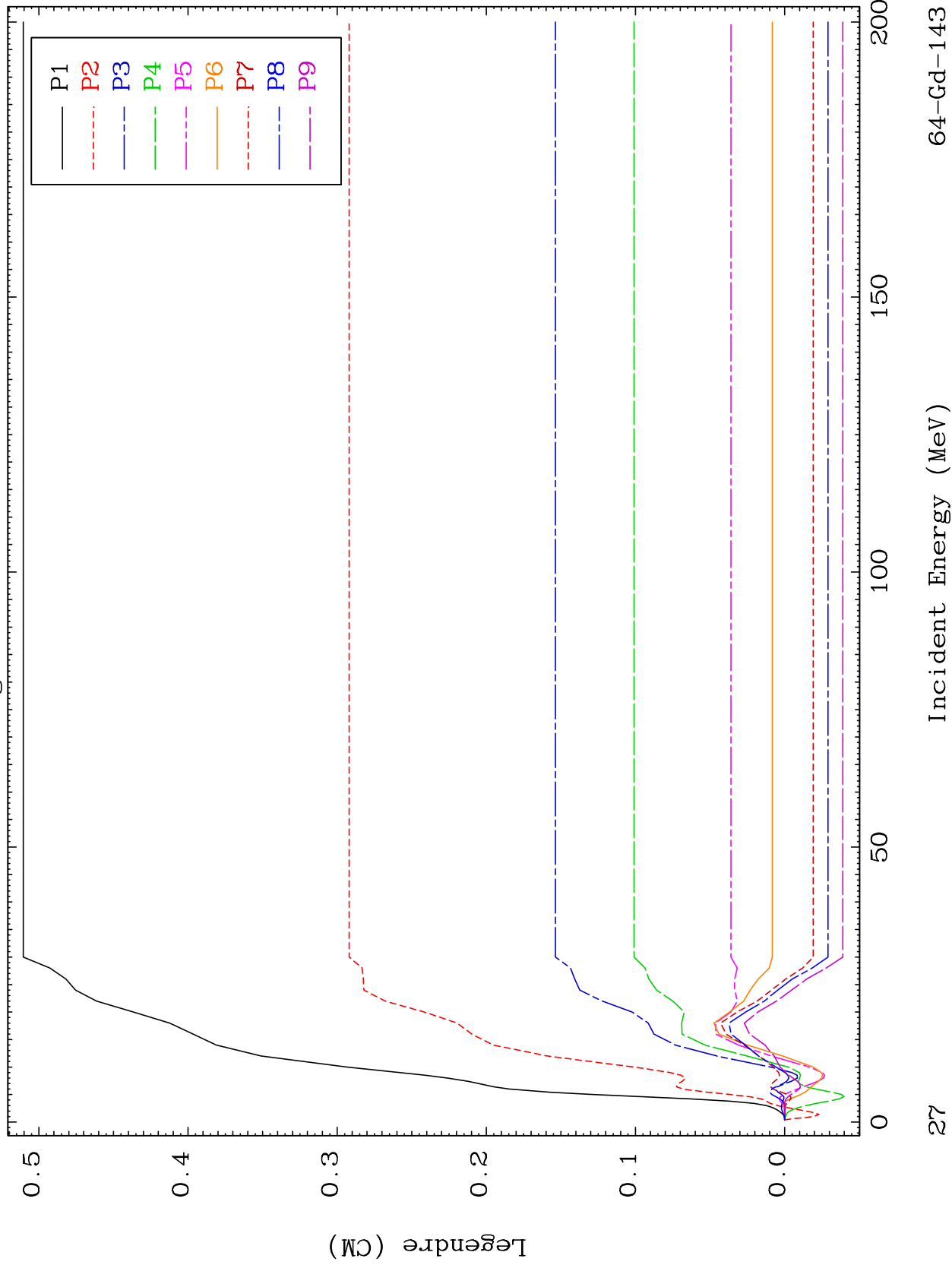
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



64-Gd-143

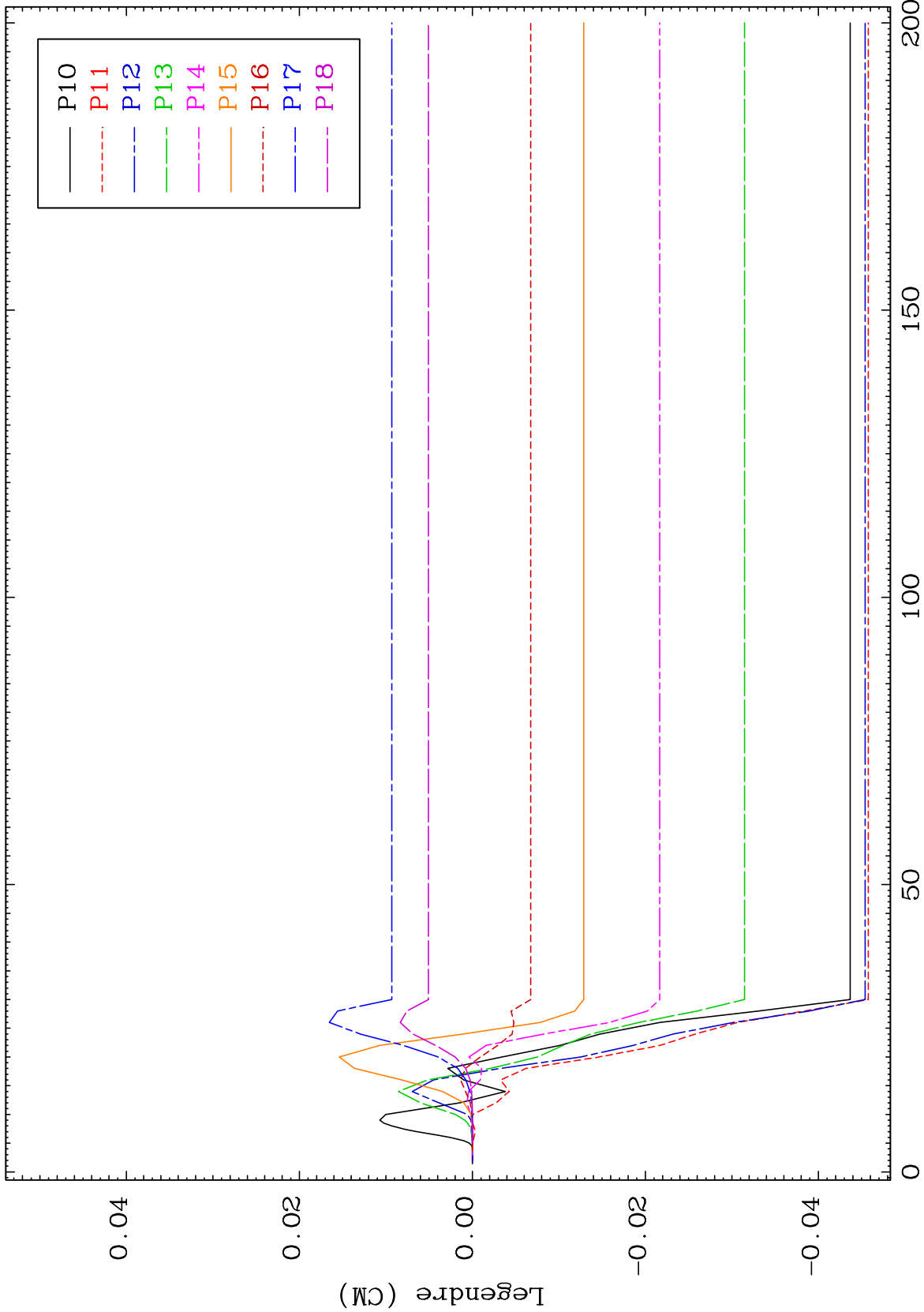
Incident Energy (MeV)

27

MAT 6398

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

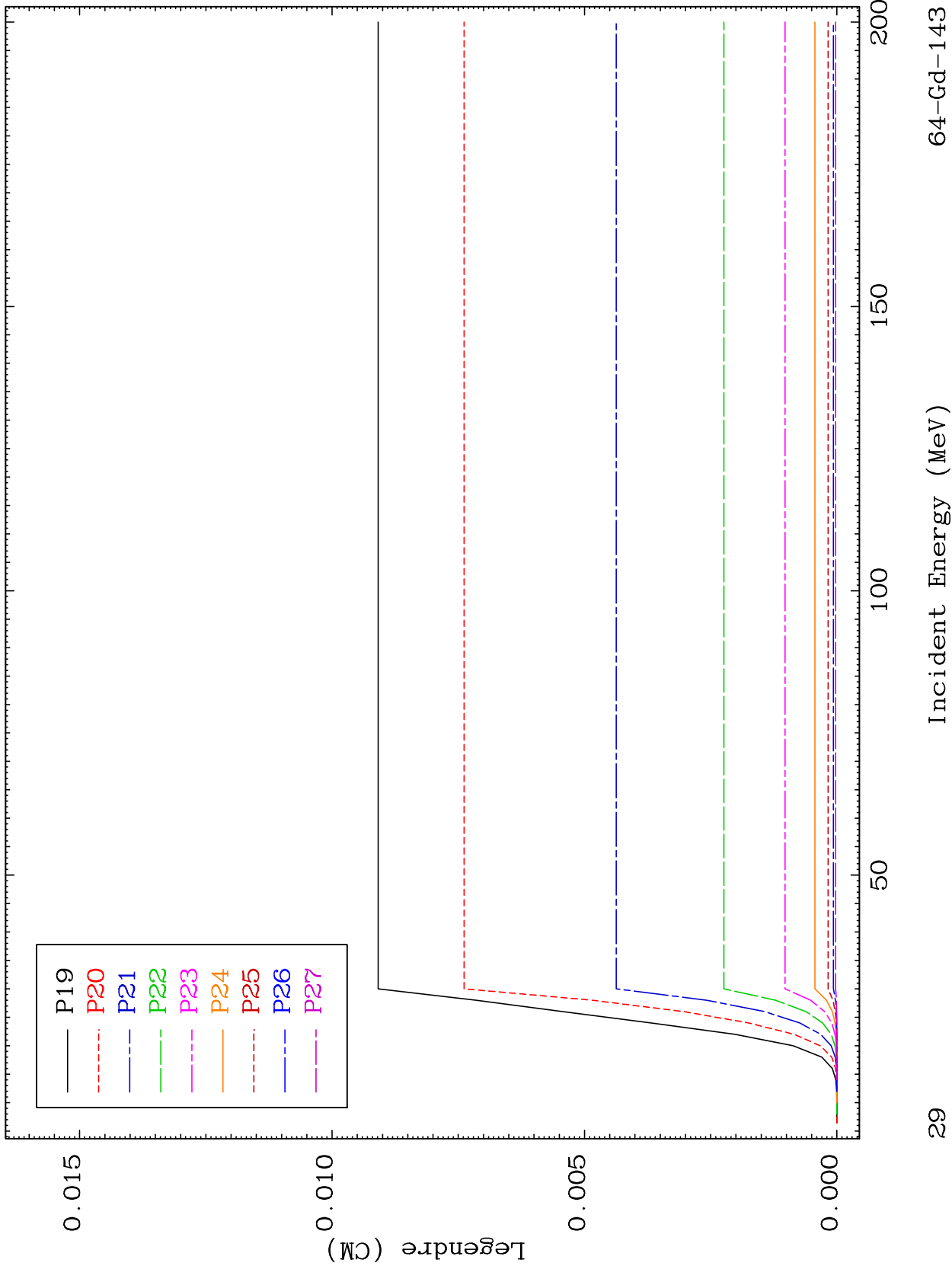
64-Gd-143



28

Incident Energy (MeV)

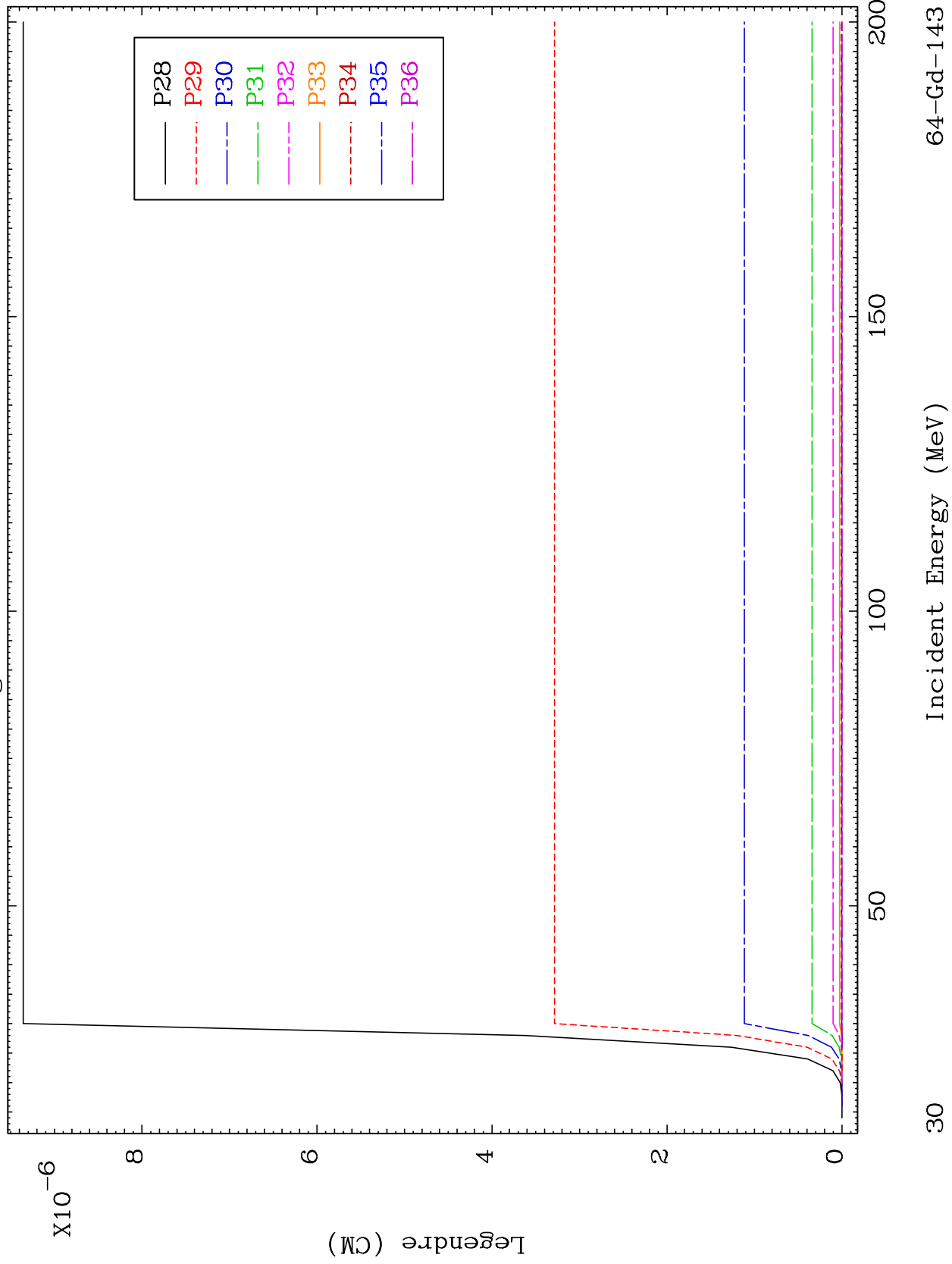
64-Gd-143



MAT 6398

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

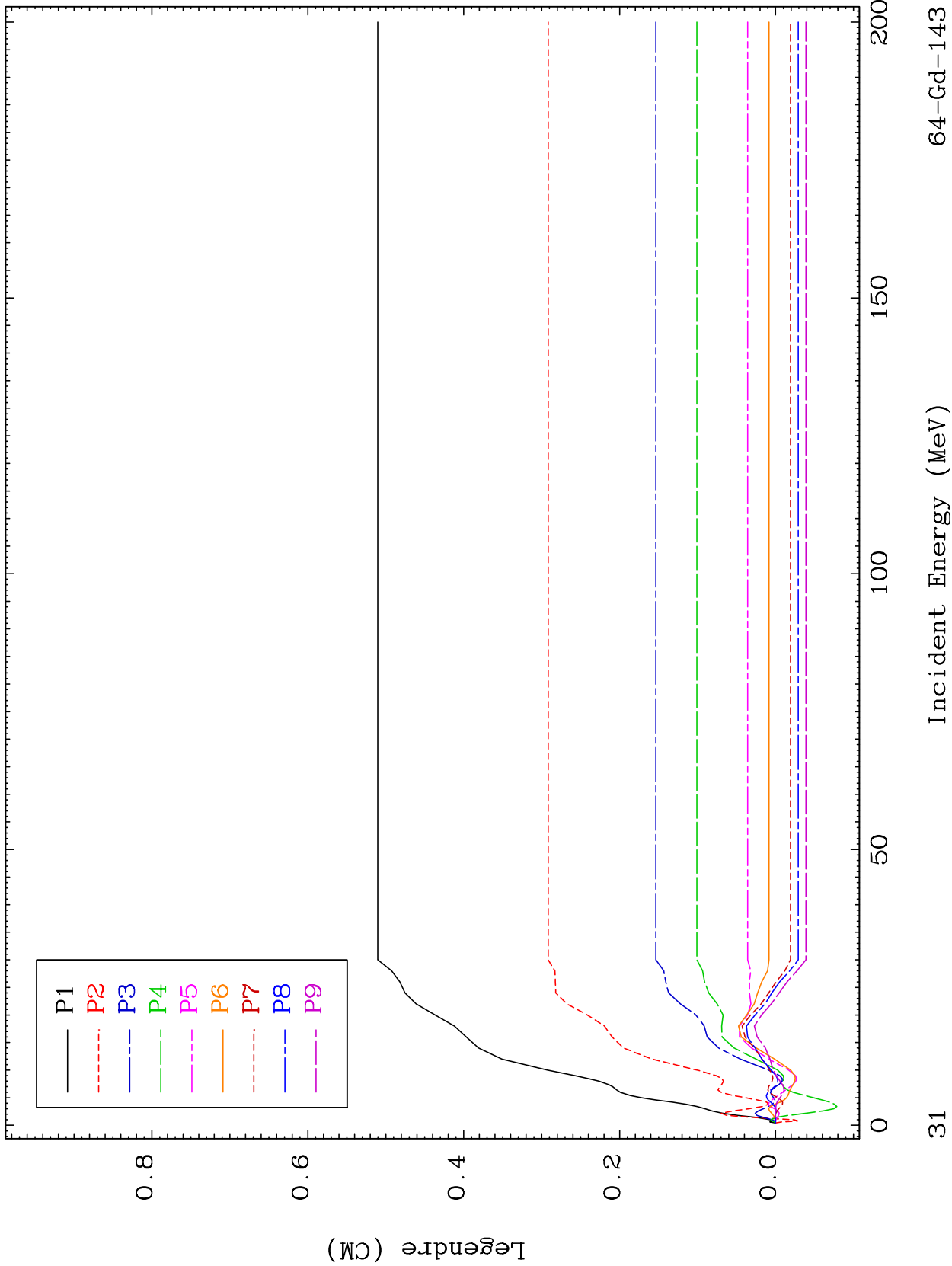
64-Gd-143



MAT 6398

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

64-Gd-143



31

Incident Energy (MeV)

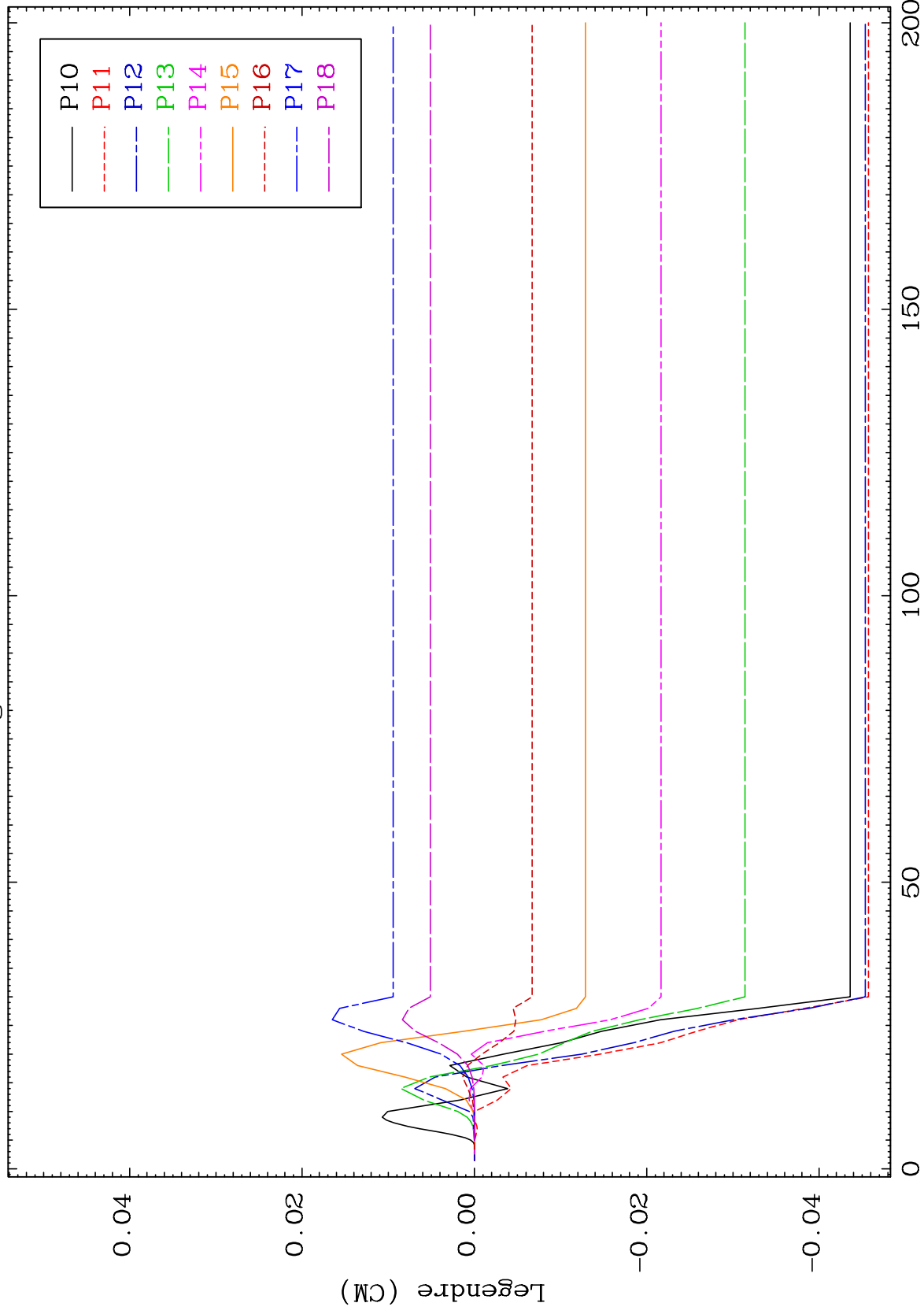
64-Gd-143



MAT 6398

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

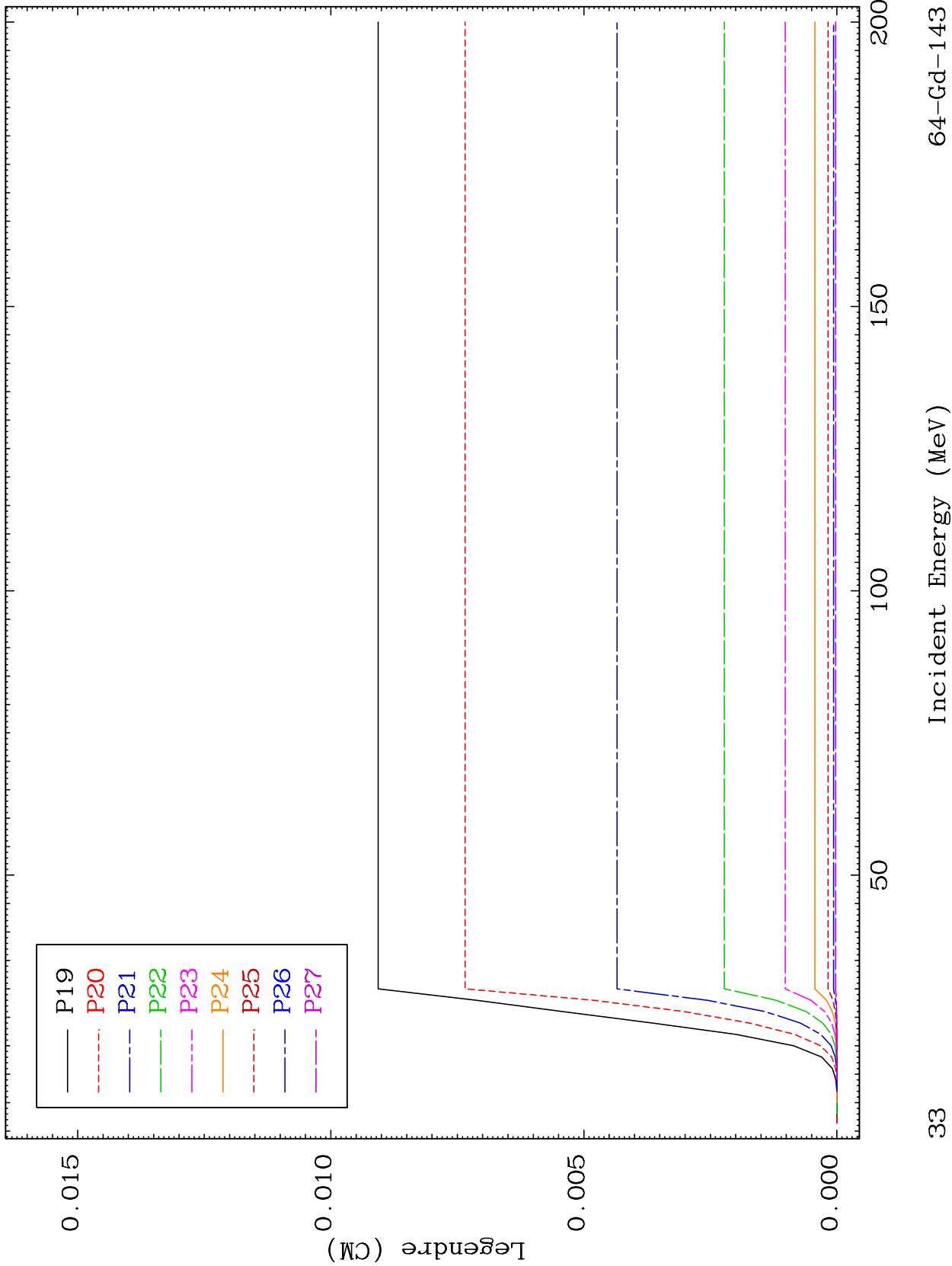
64-Gd-143



32

Incident Energy (MeV)

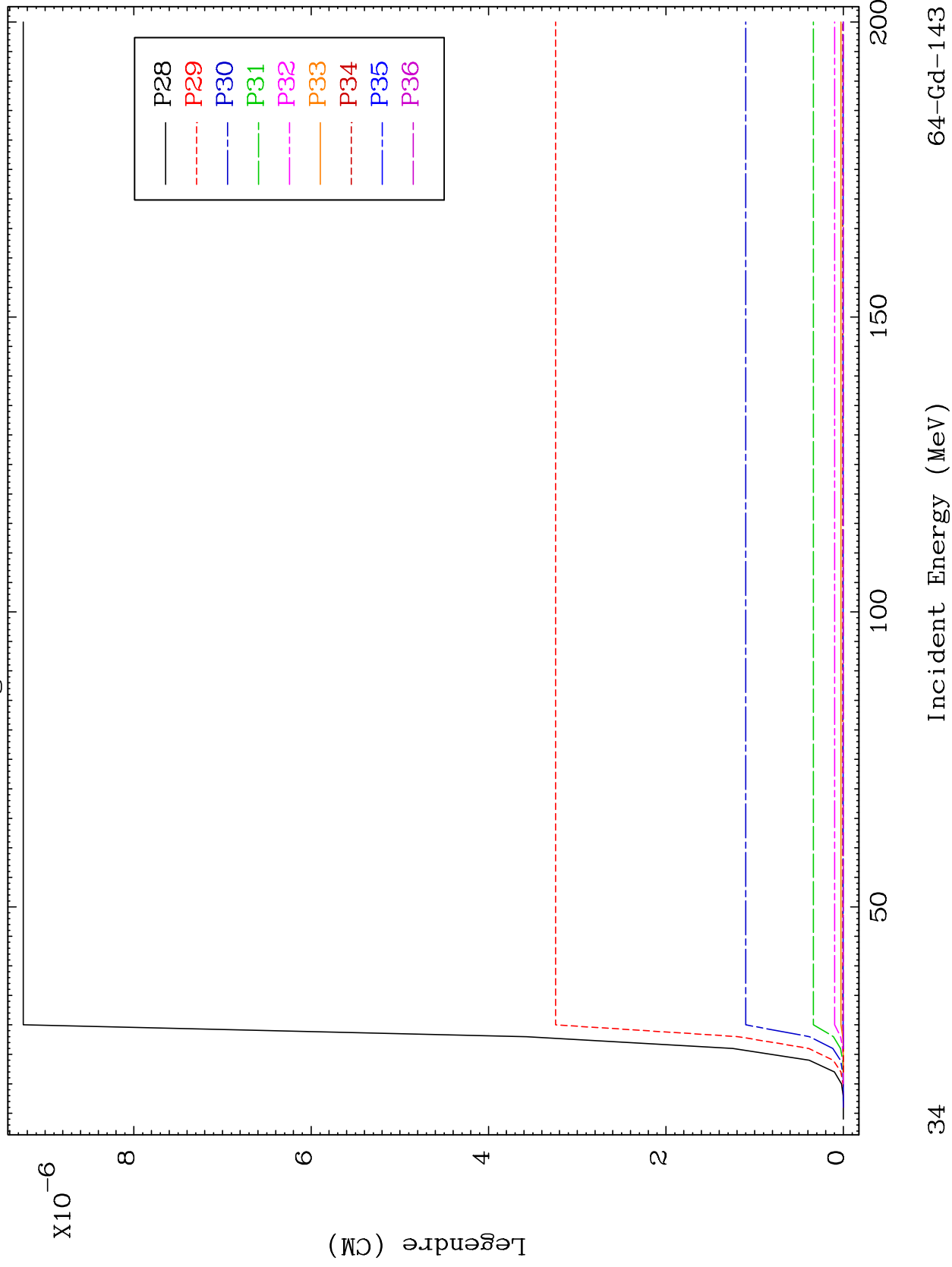
64-Gd-143



MAT 6398

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

64-Gd-143



34

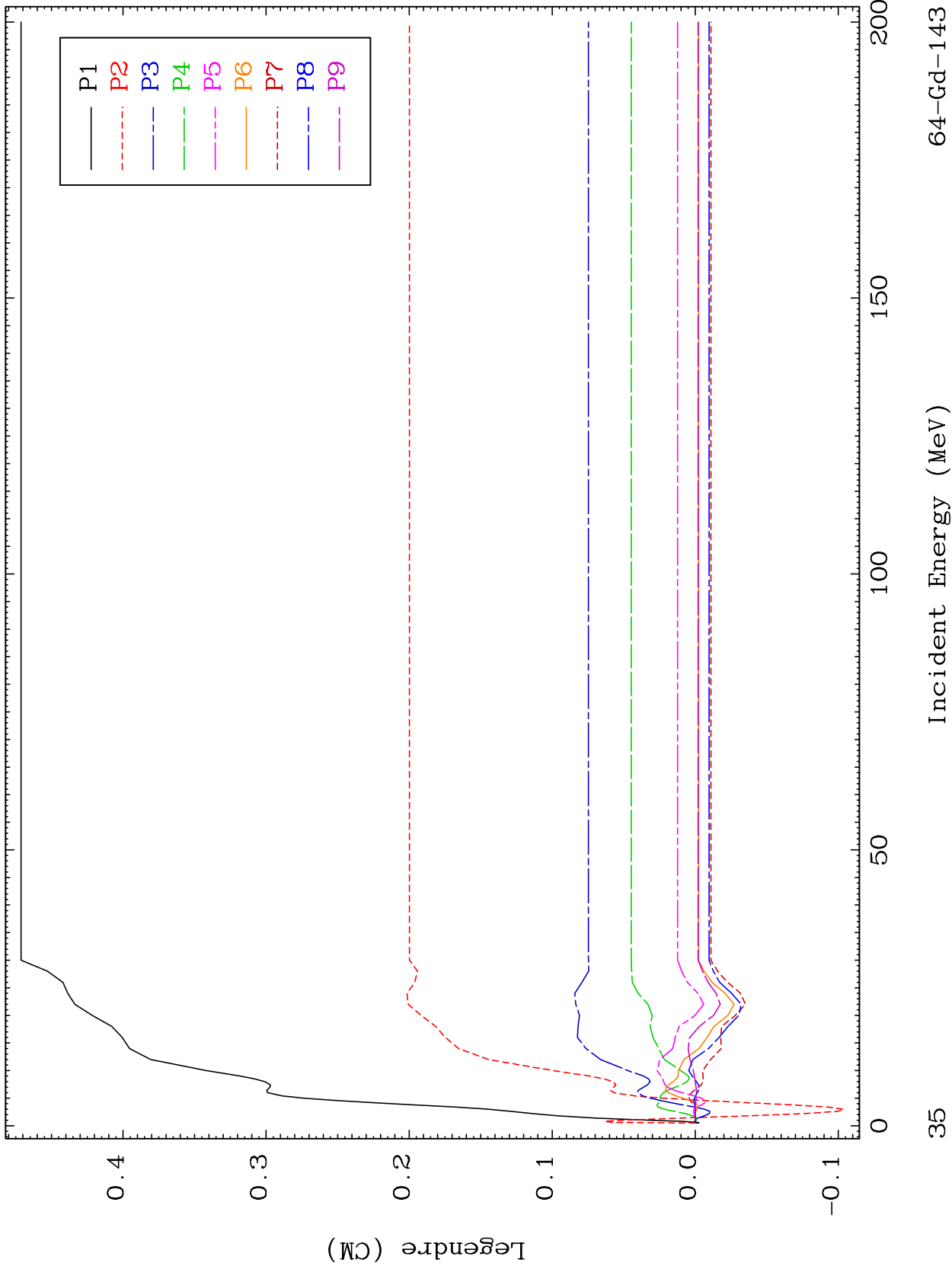
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



64-Gd-143

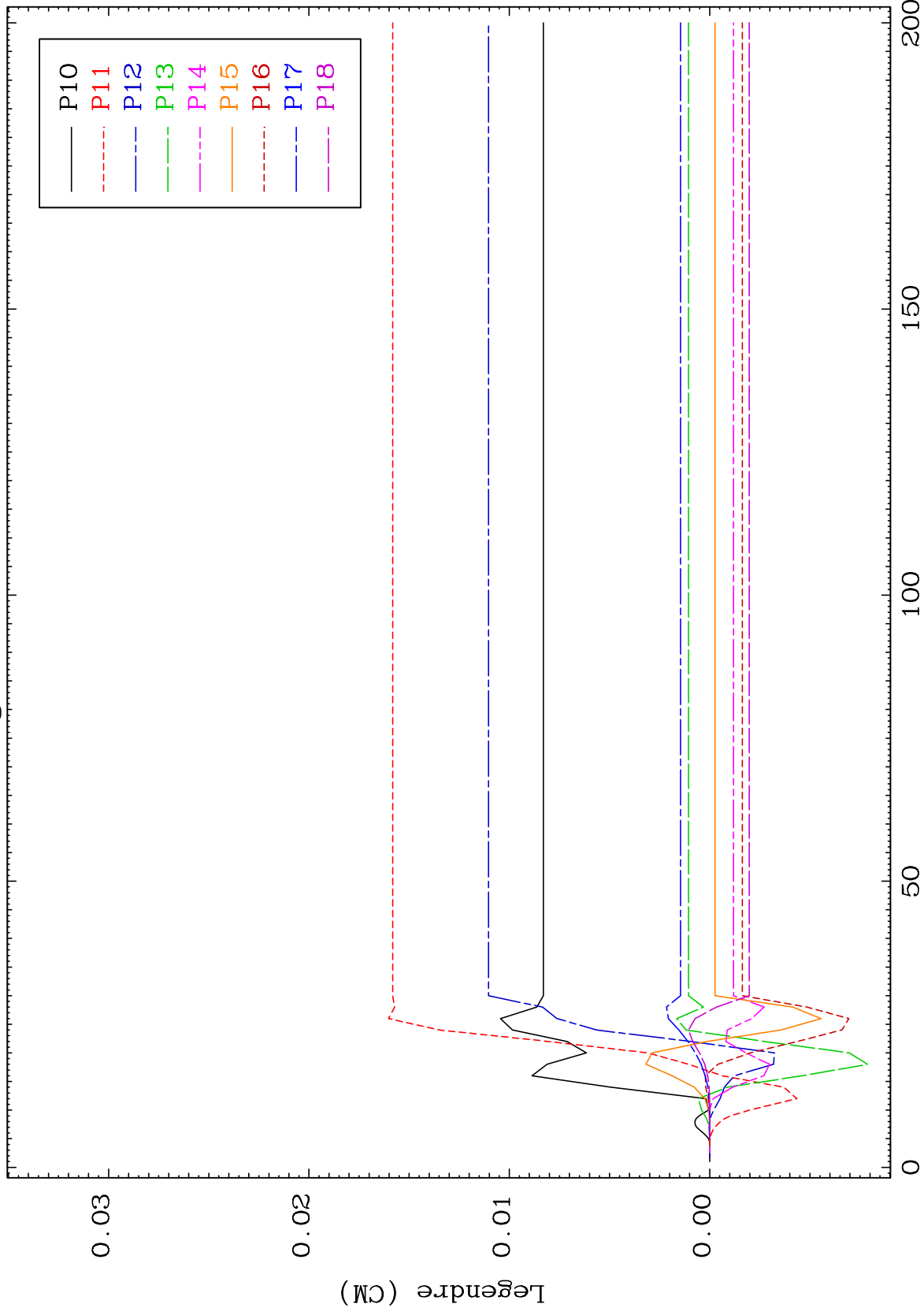
Incident Energy (MeV)

35

MAT 6398

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

64-Gd-143



36

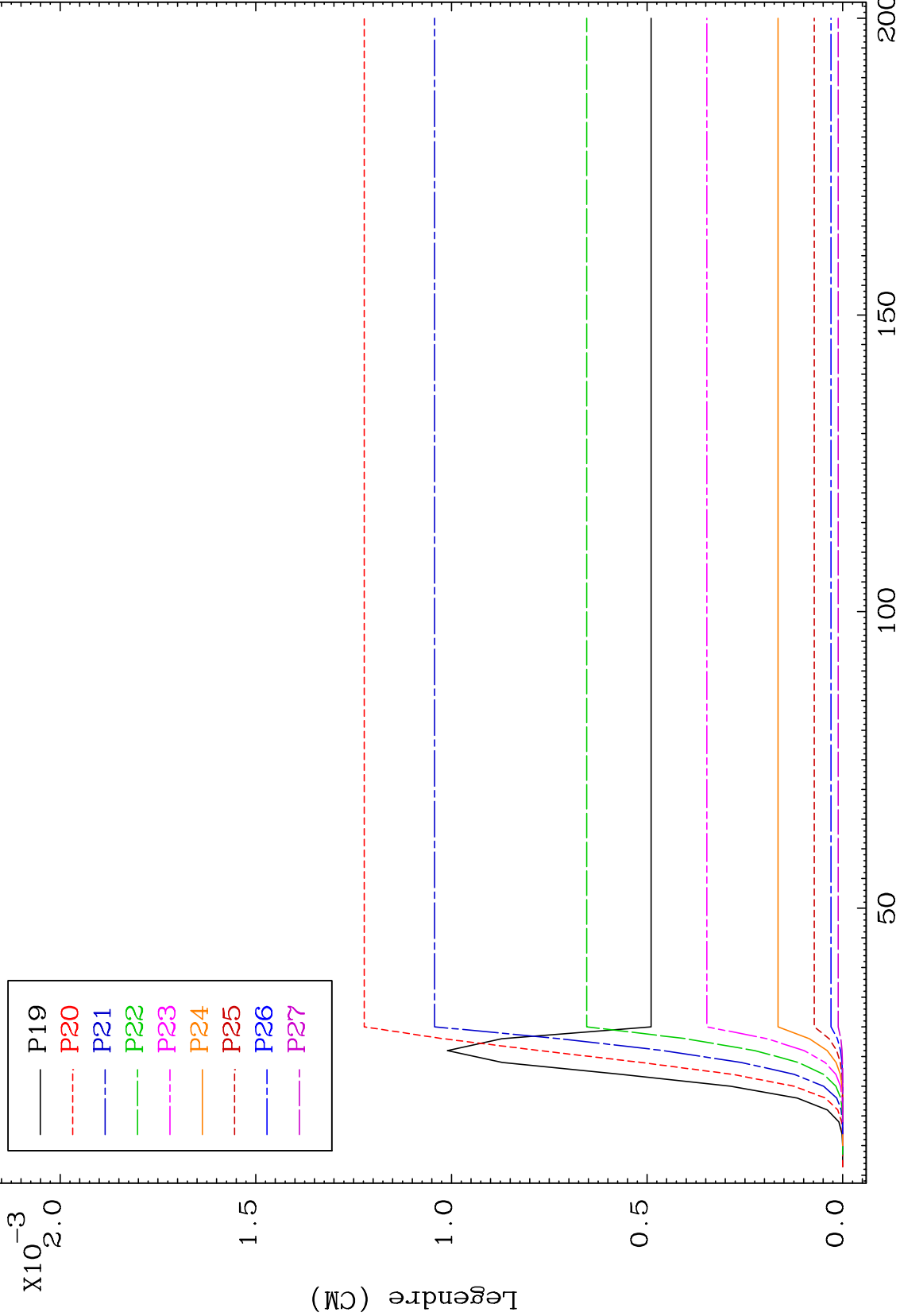
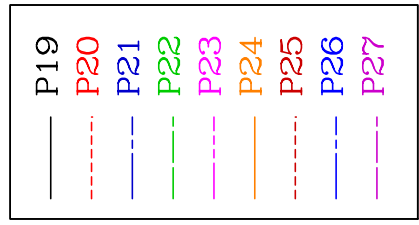
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



37

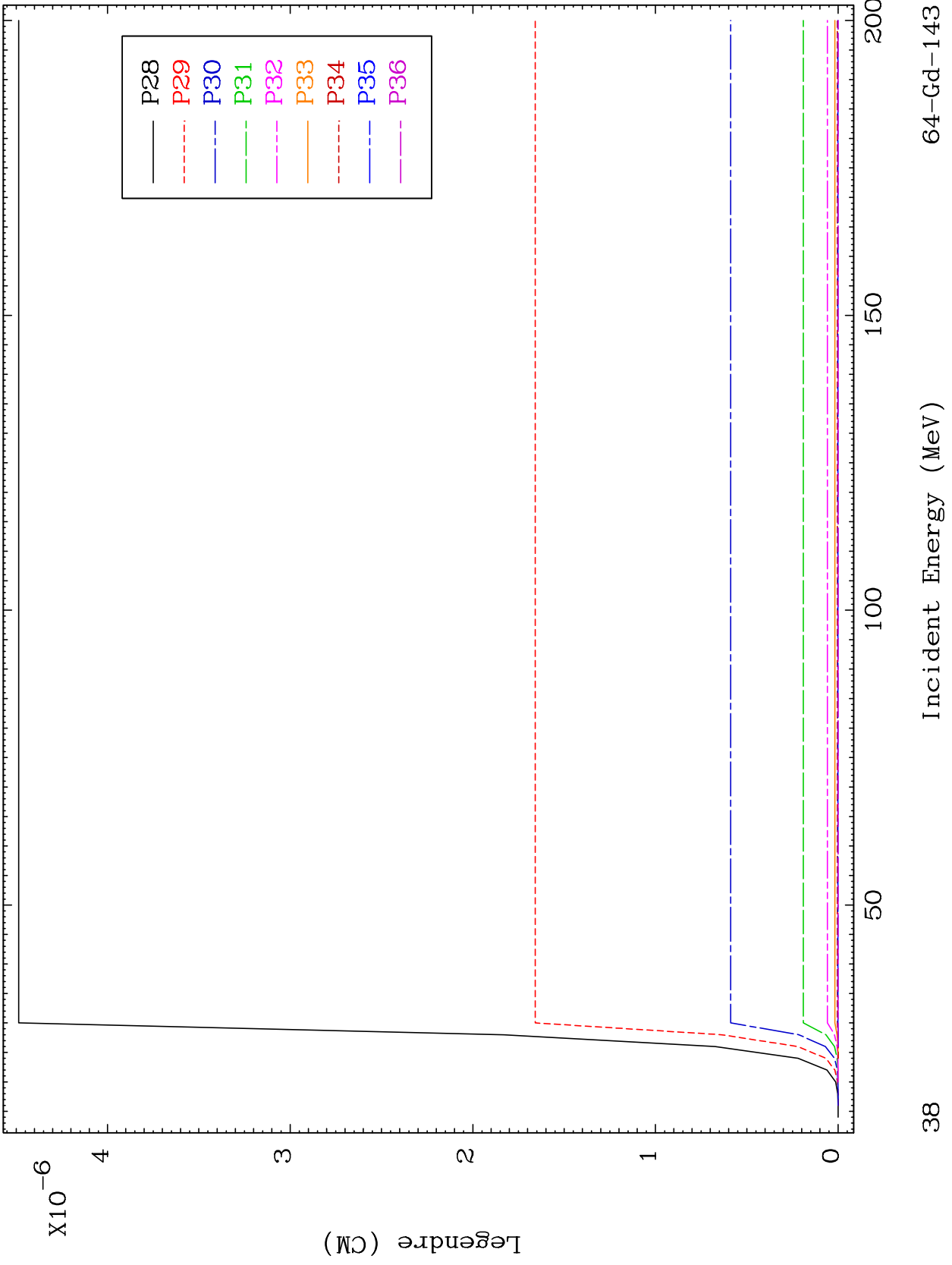
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



38

Incident Energy (MeV)

64-Gd-143

200

150

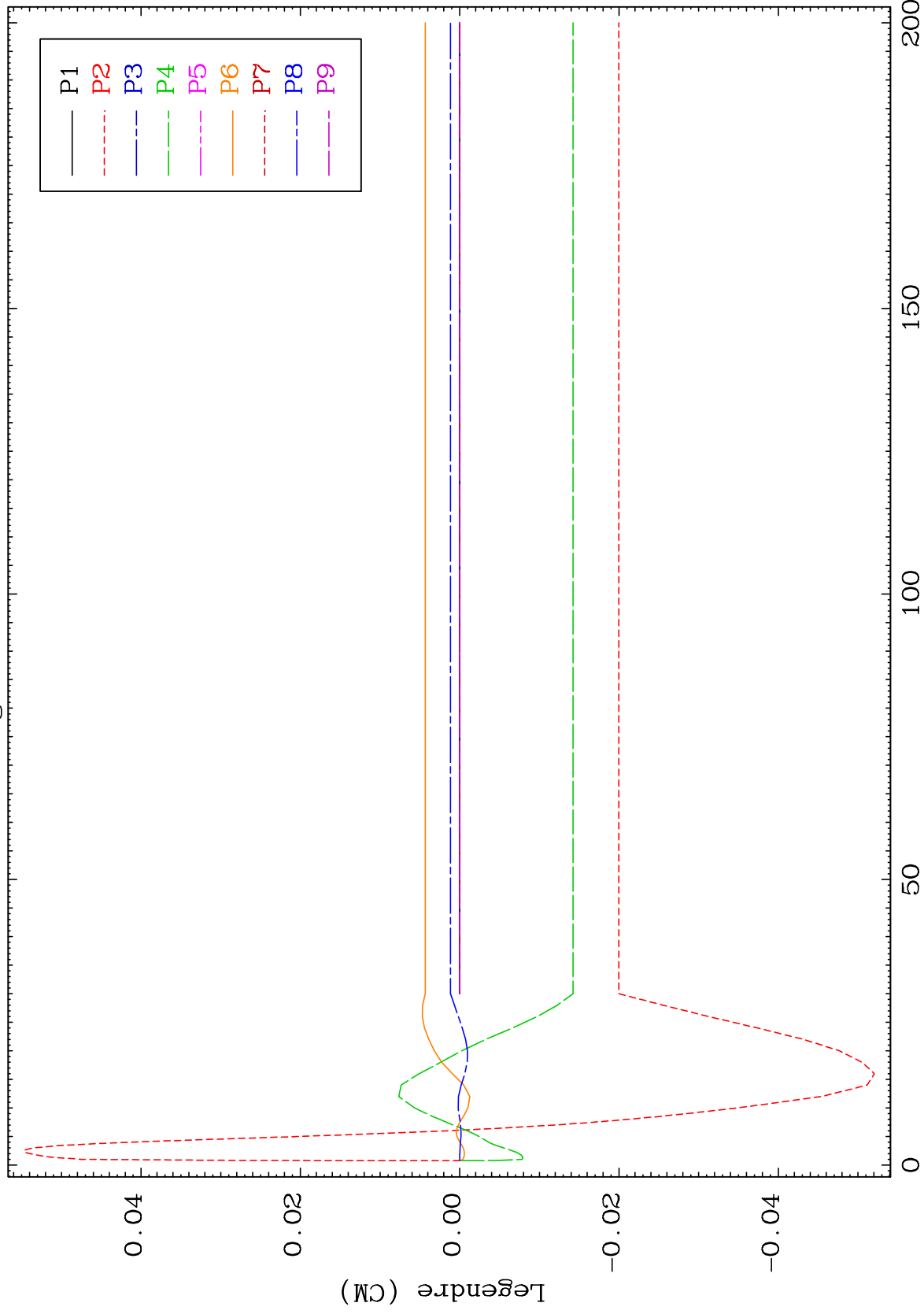
100

50

MAT 6398

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

64-Gd-143



39

Incident Energy (MeV)

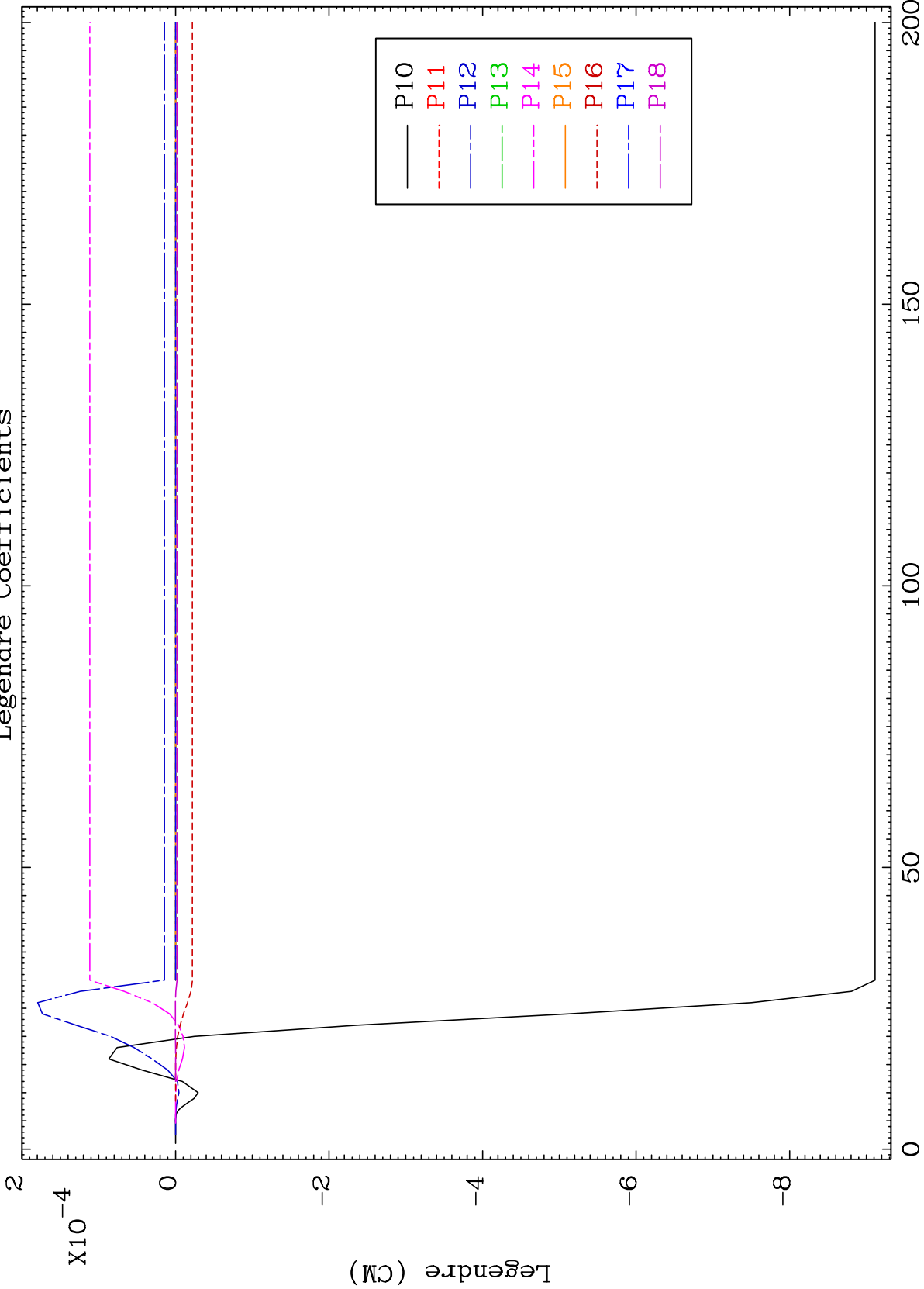
64-Gd-143



MAT 6398

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

64-Gd-143



64-Gd-143

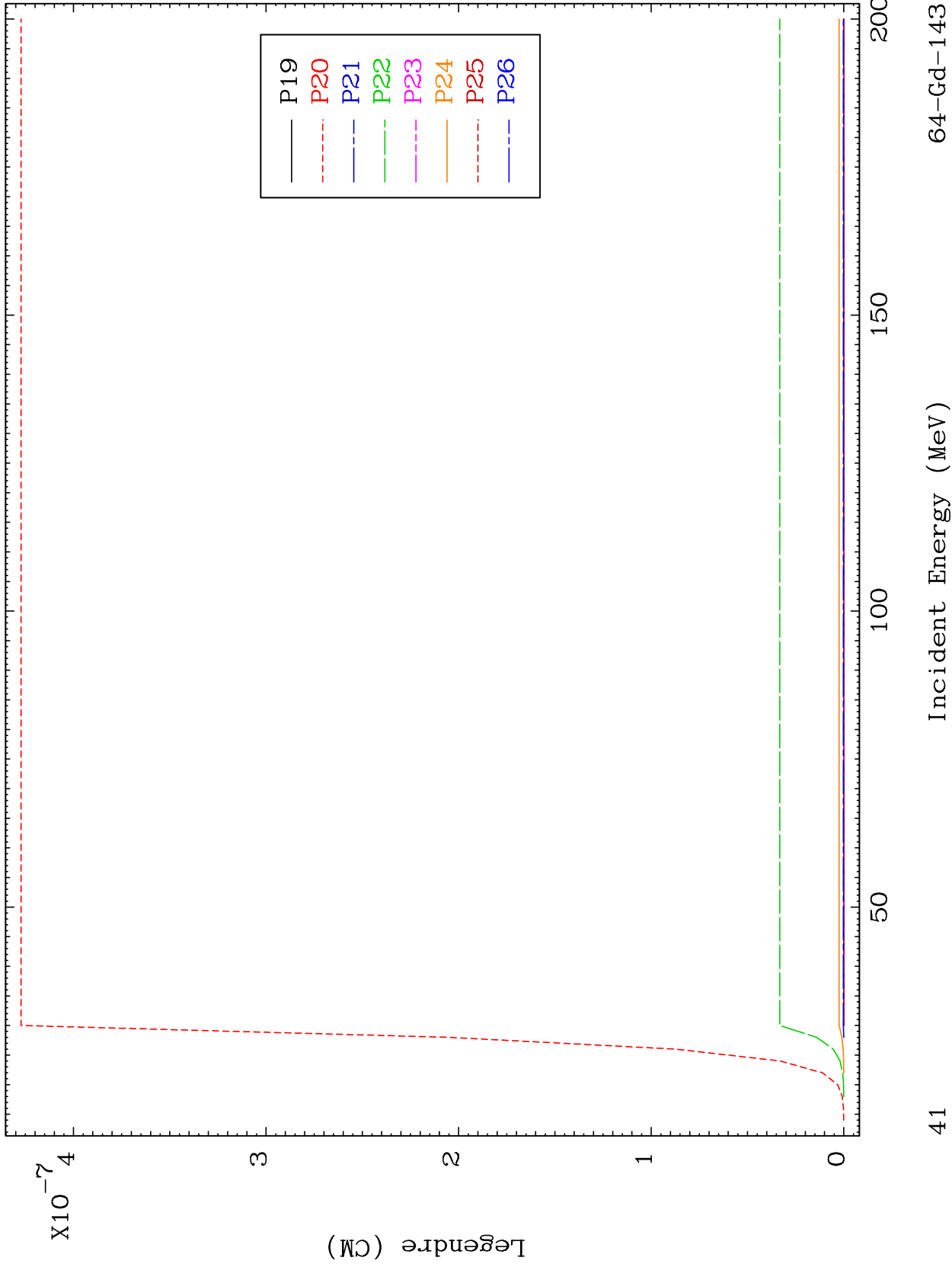
Incident Energy (MeV)

40

MAT 6398

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

64-Gd-143



41

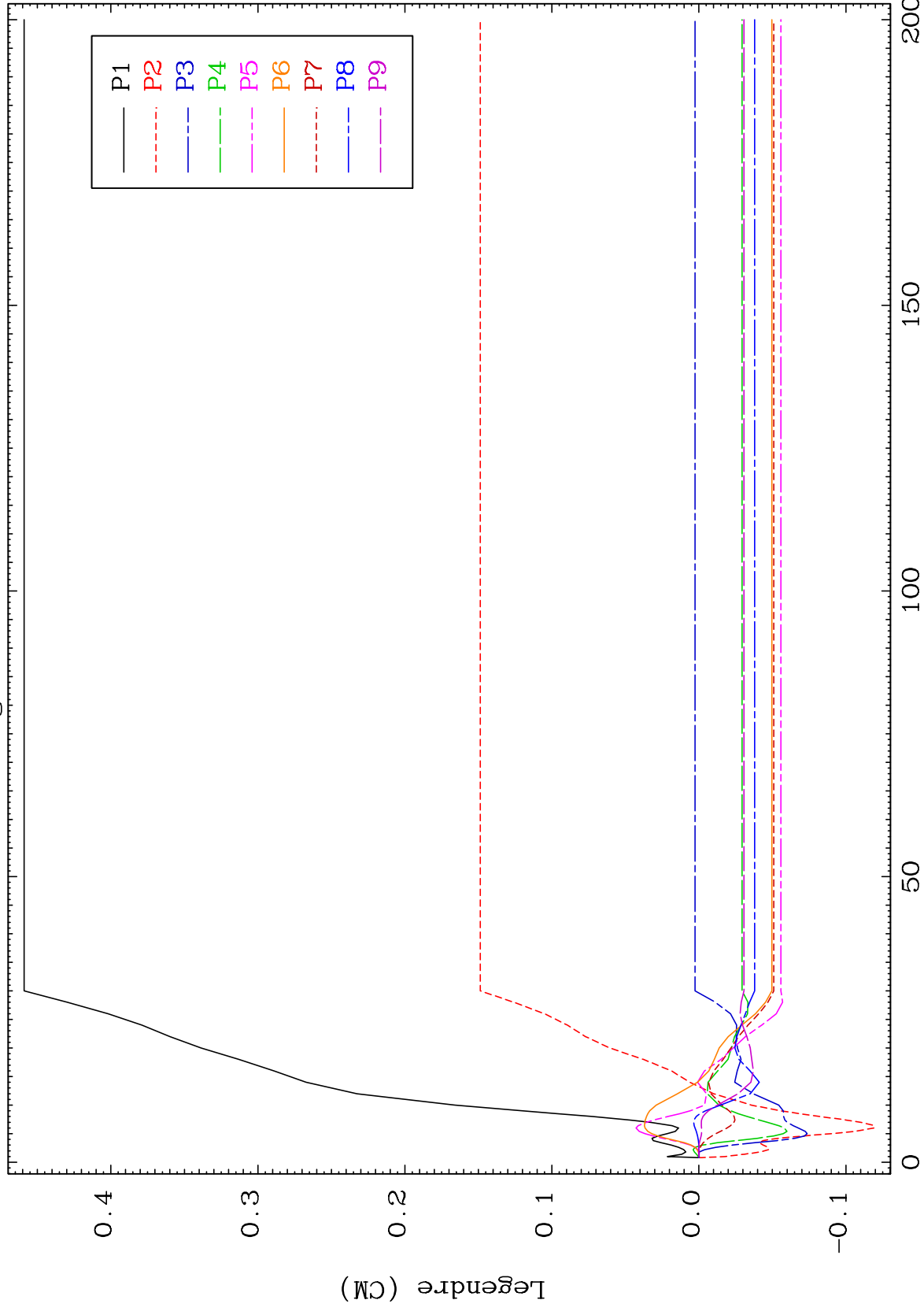
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



64-Gd-143

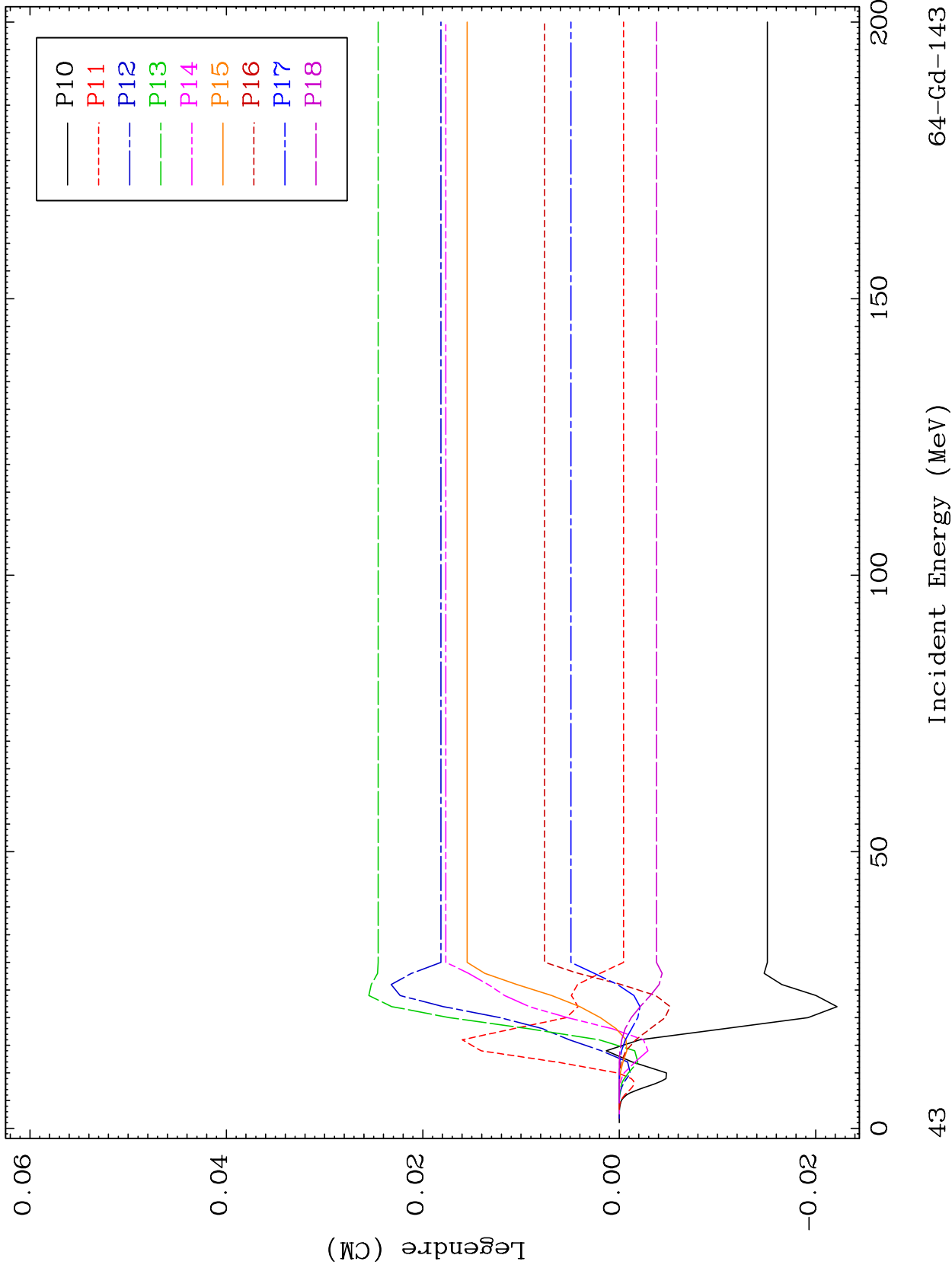
Incident Energy (MeV)

42

MAT 6398

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

64-Gd-143



43

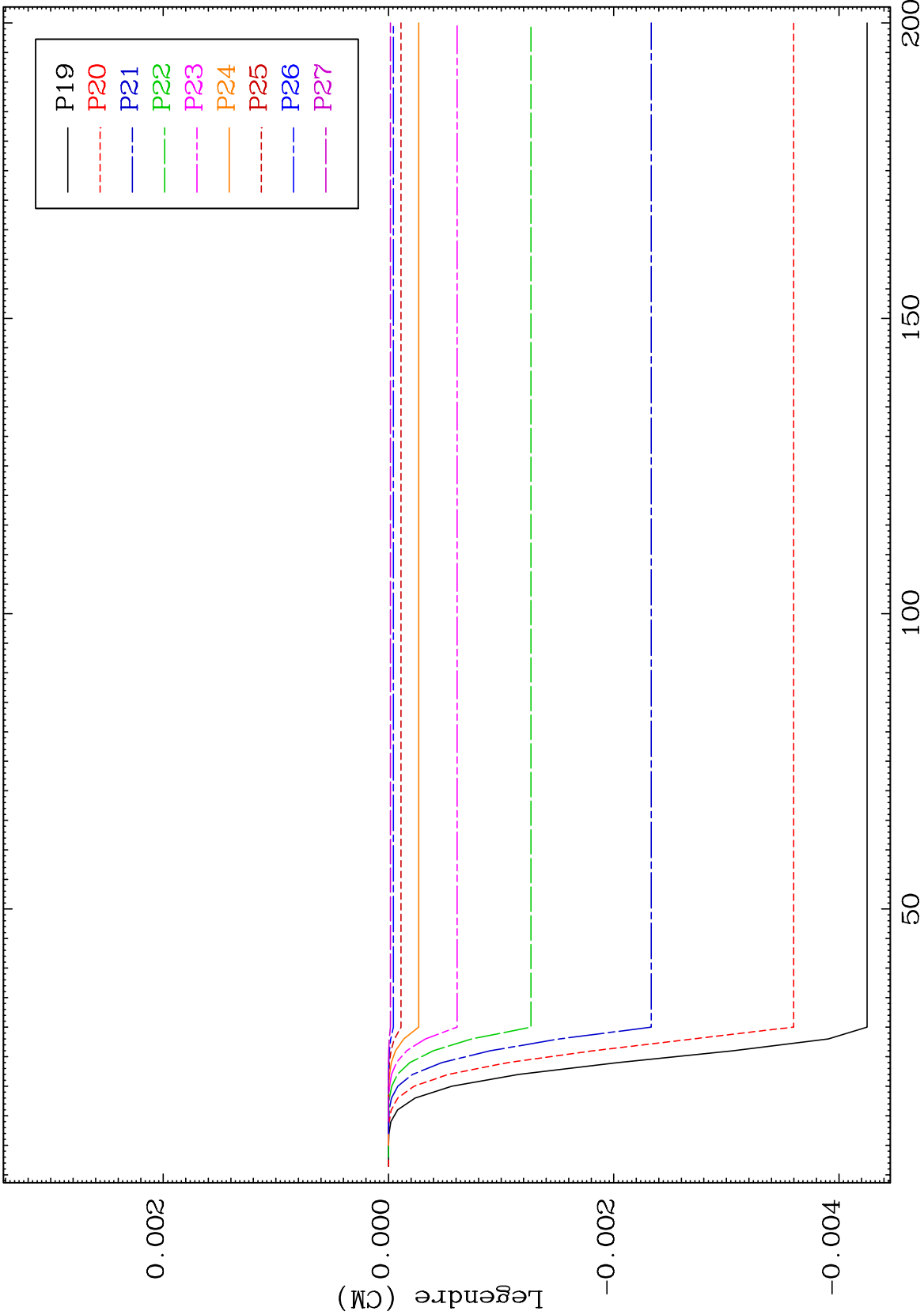
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



44

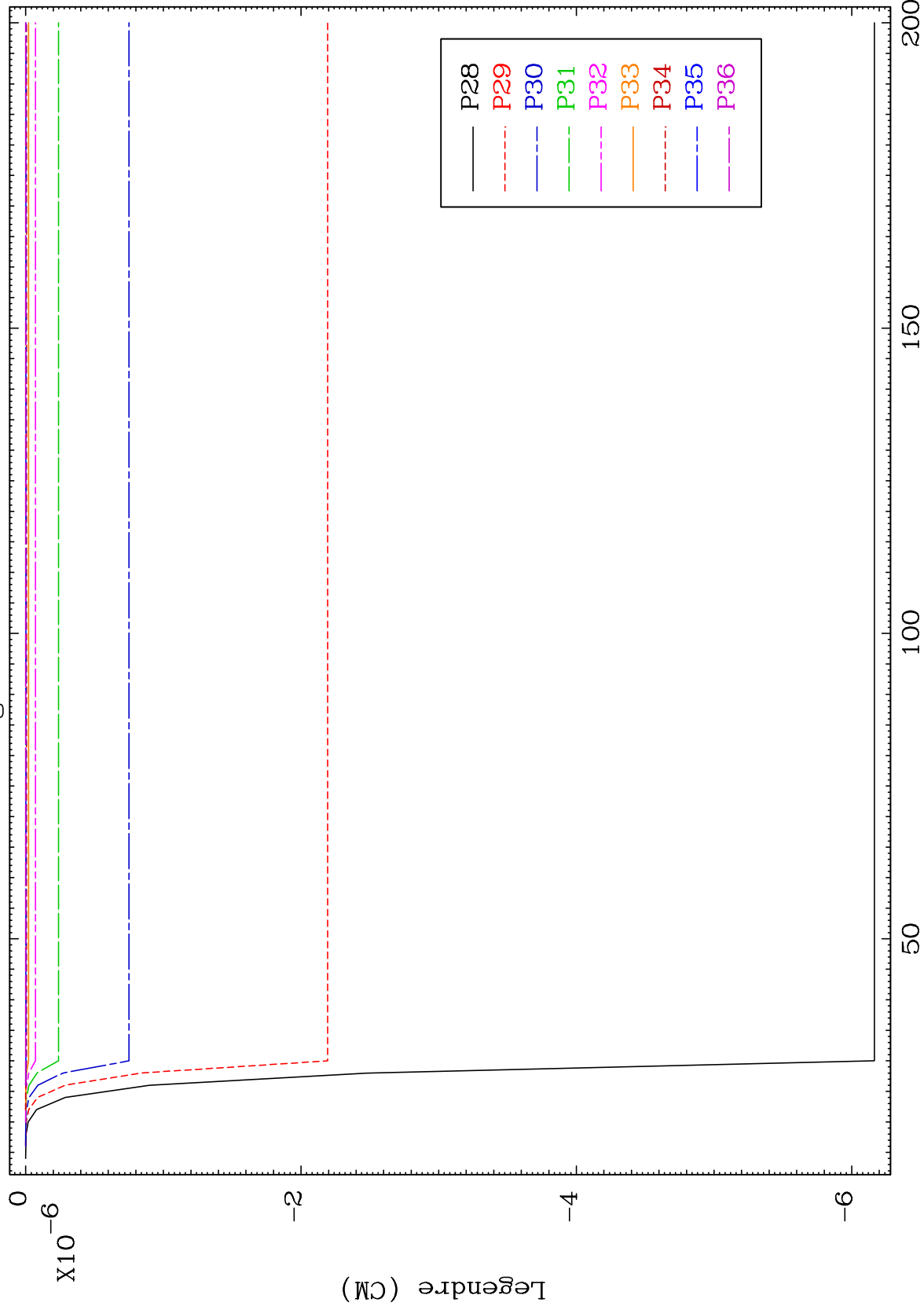
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



45

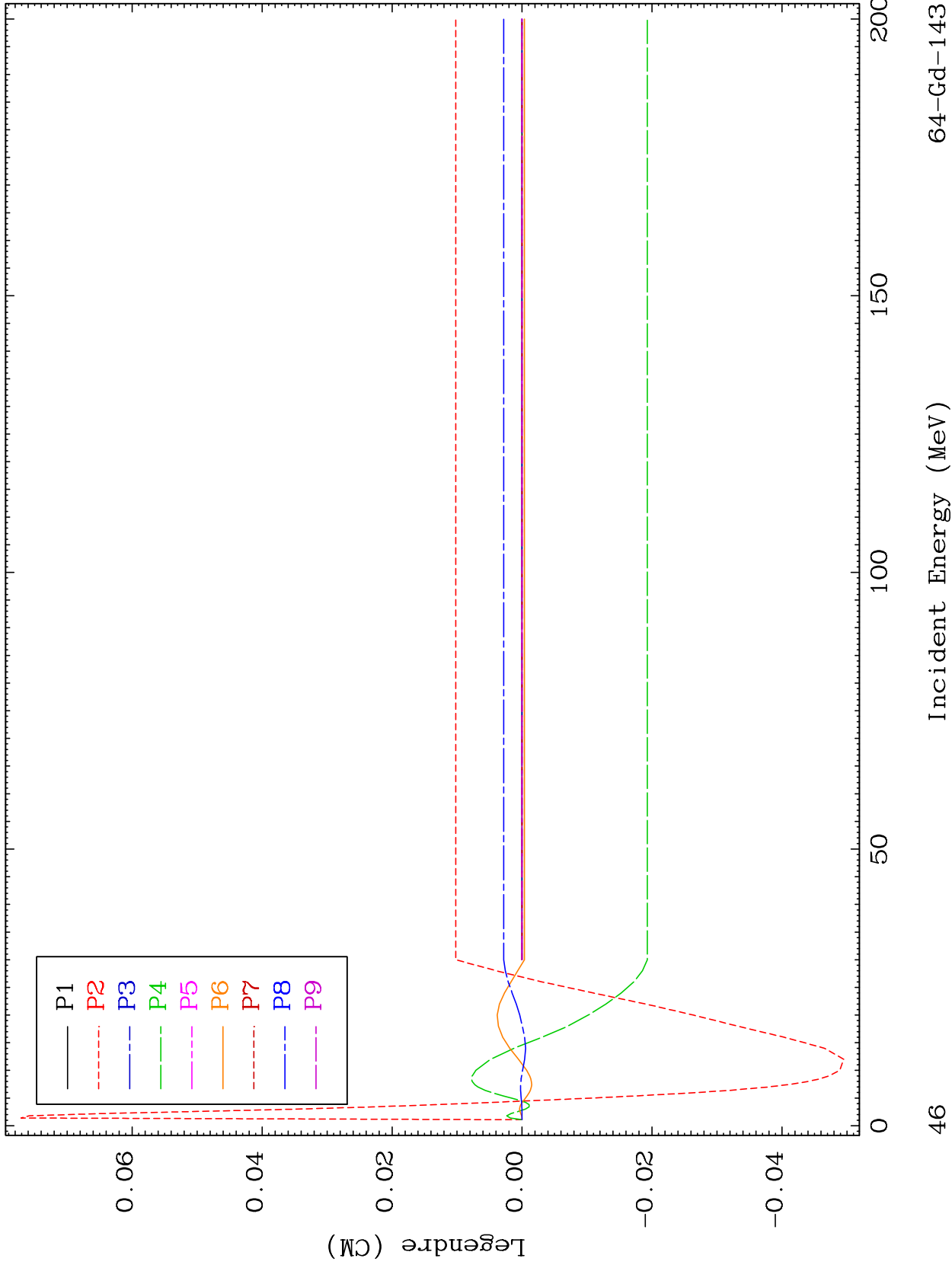
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



64-Gd-143

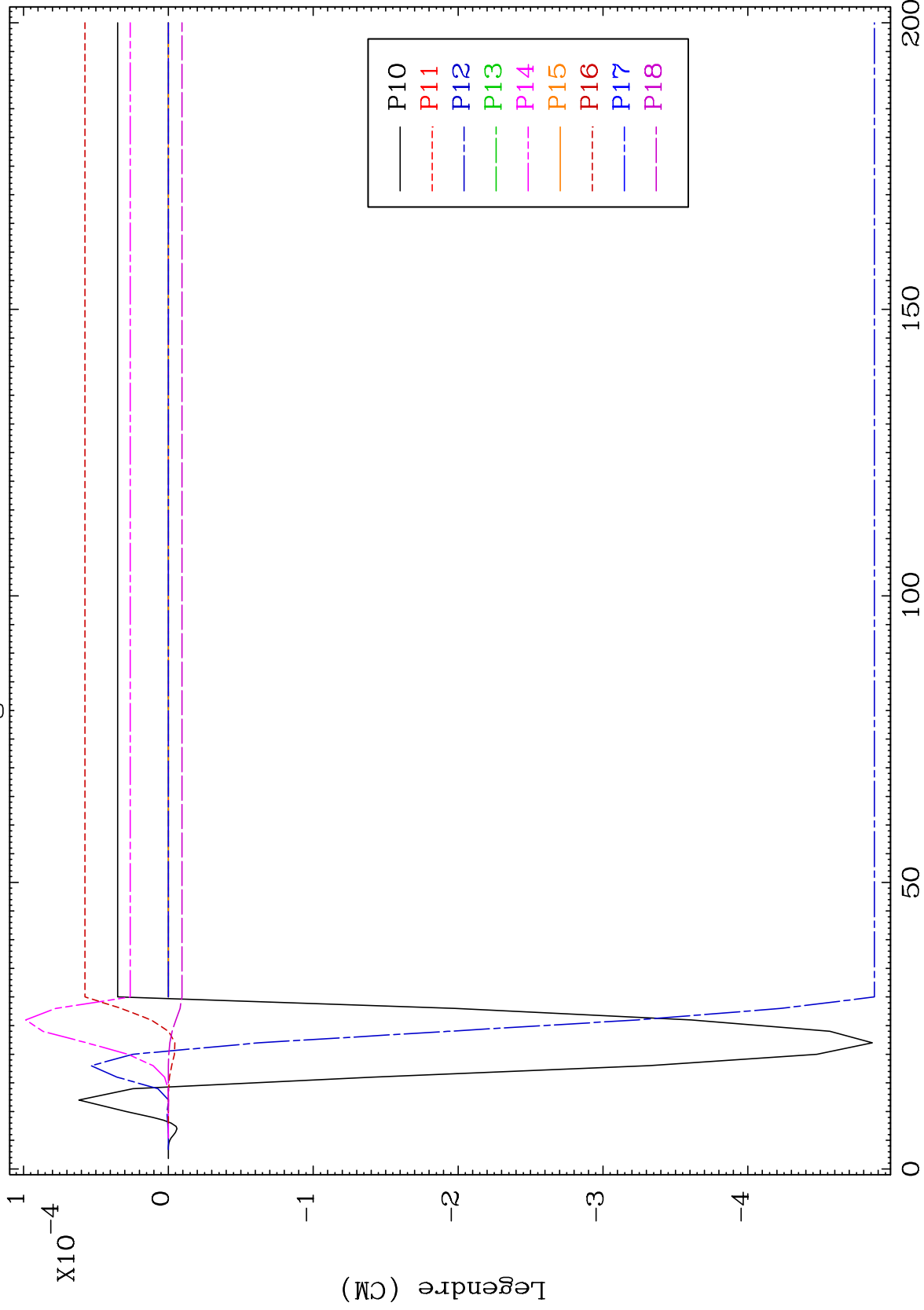
Incident Energy (MeV)

46

MAT 6398

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

64-Gd-143

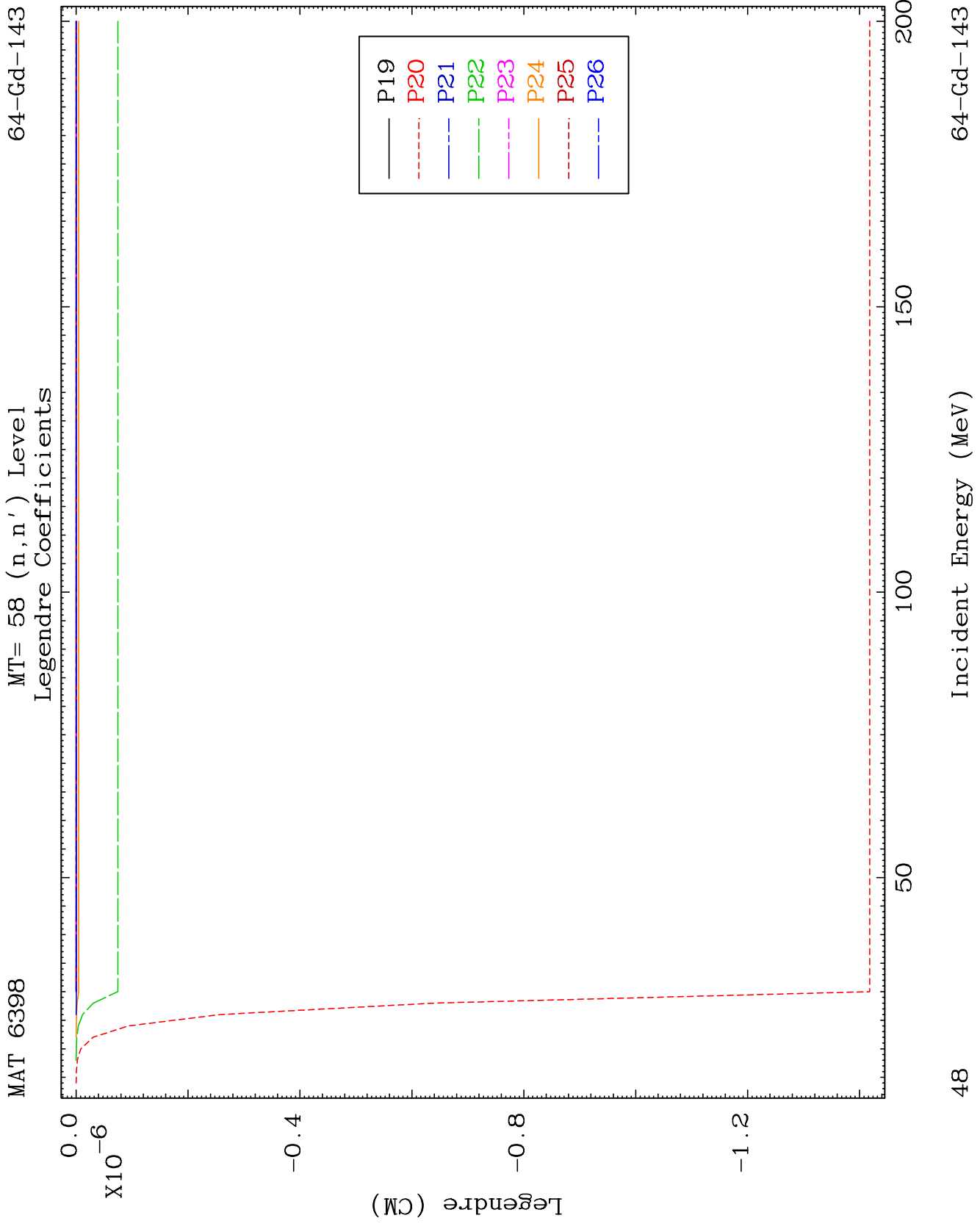


47

Incident Energy (MeV)

64-Gd-143

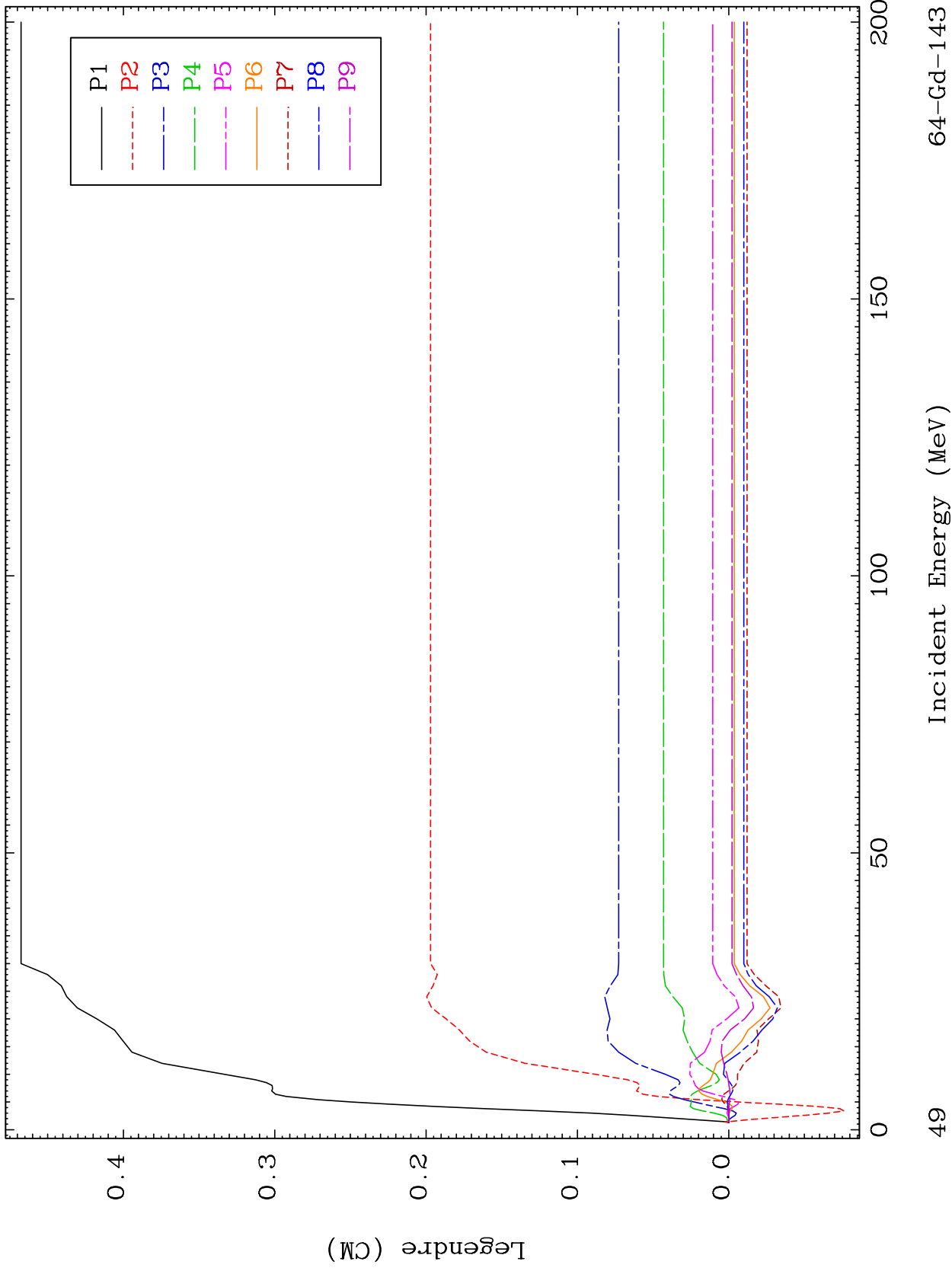




MAT 6398

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

64-Gd-143



64-Gd-143

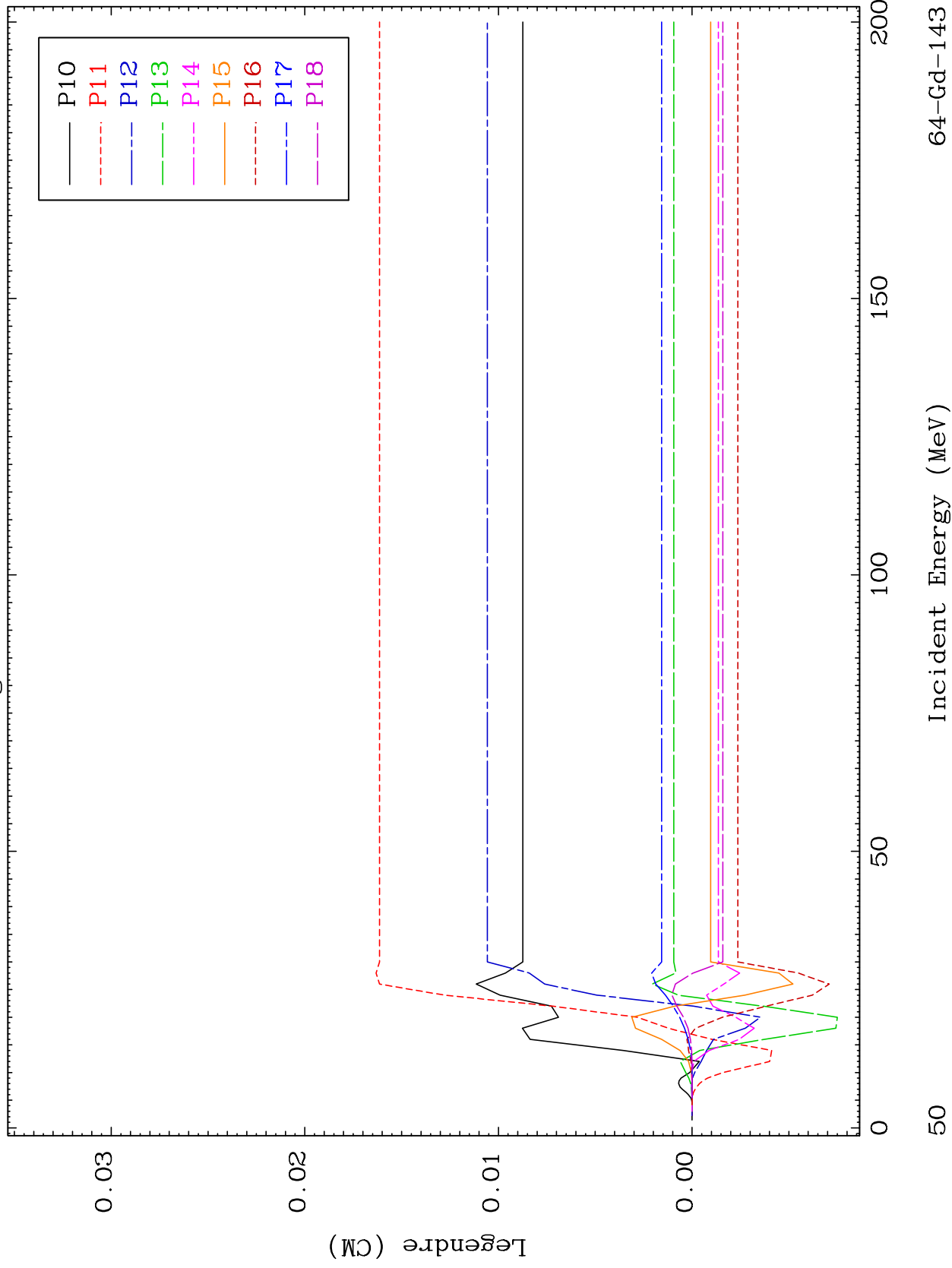
Incident Energy (MeV)

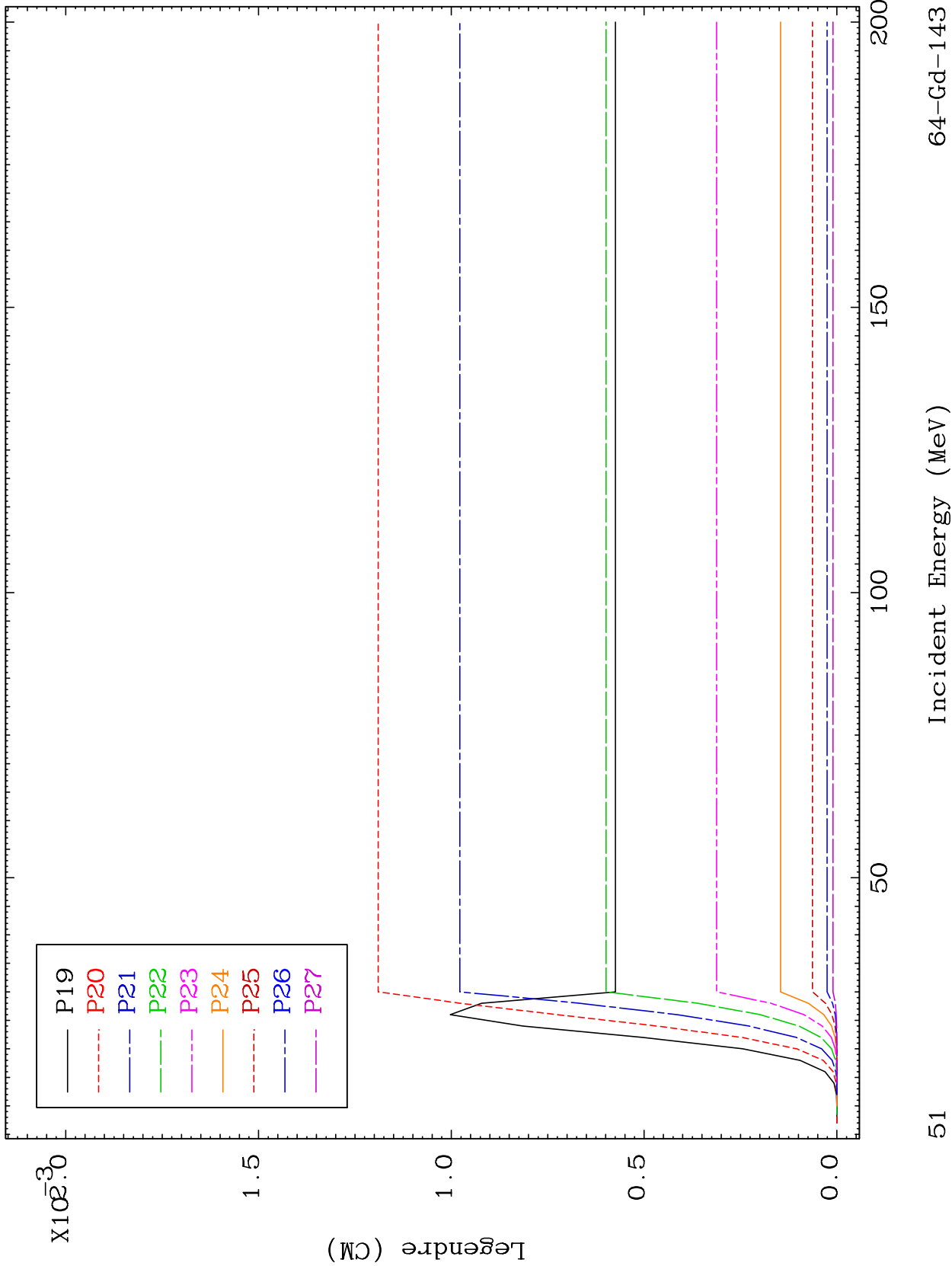
49

MAT 6398

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

64-Gd-143

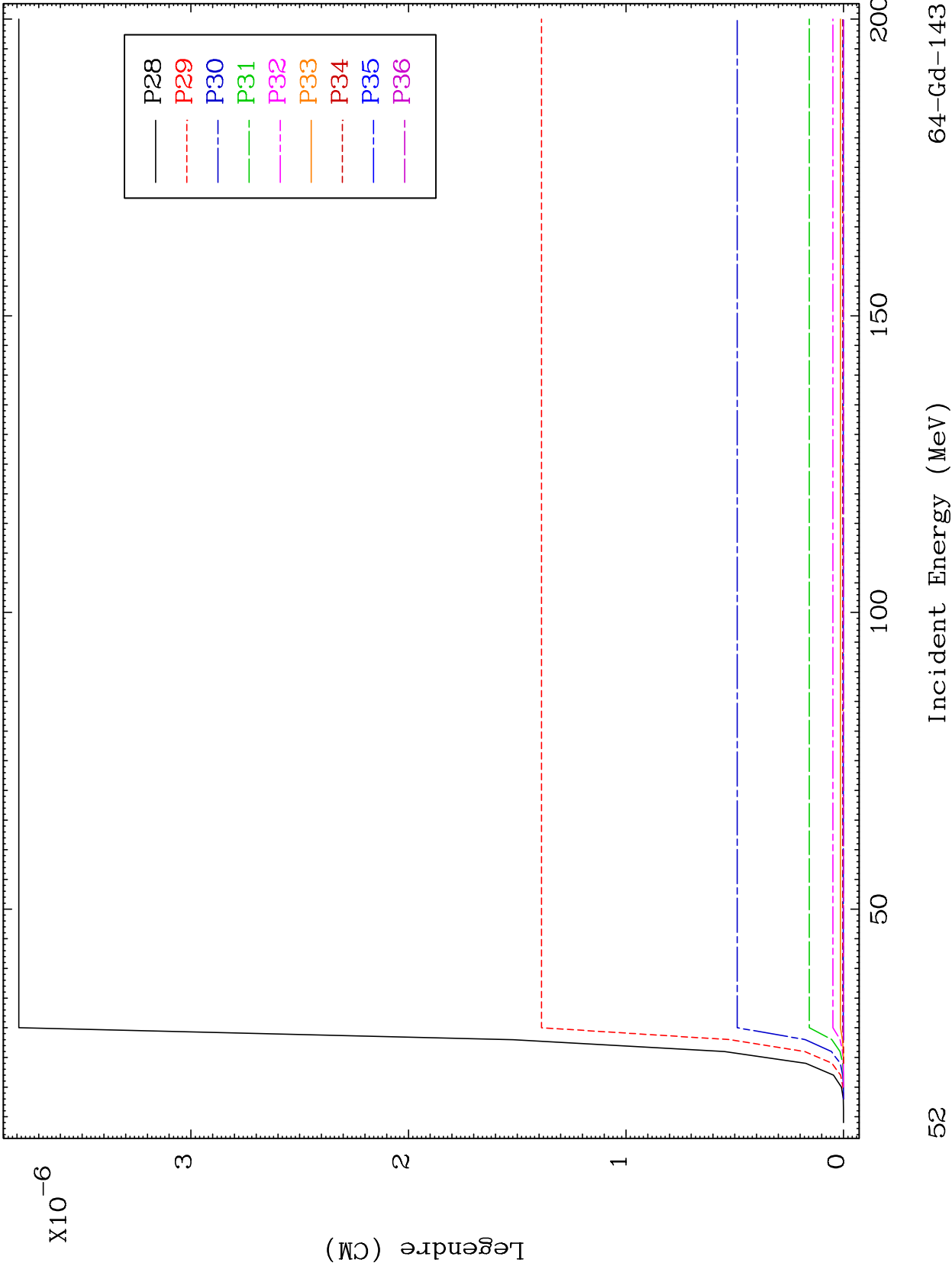




MAT 6398

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

64-Gd-143



52

Incident Energy (MeV)

64-Gd-143

200

150

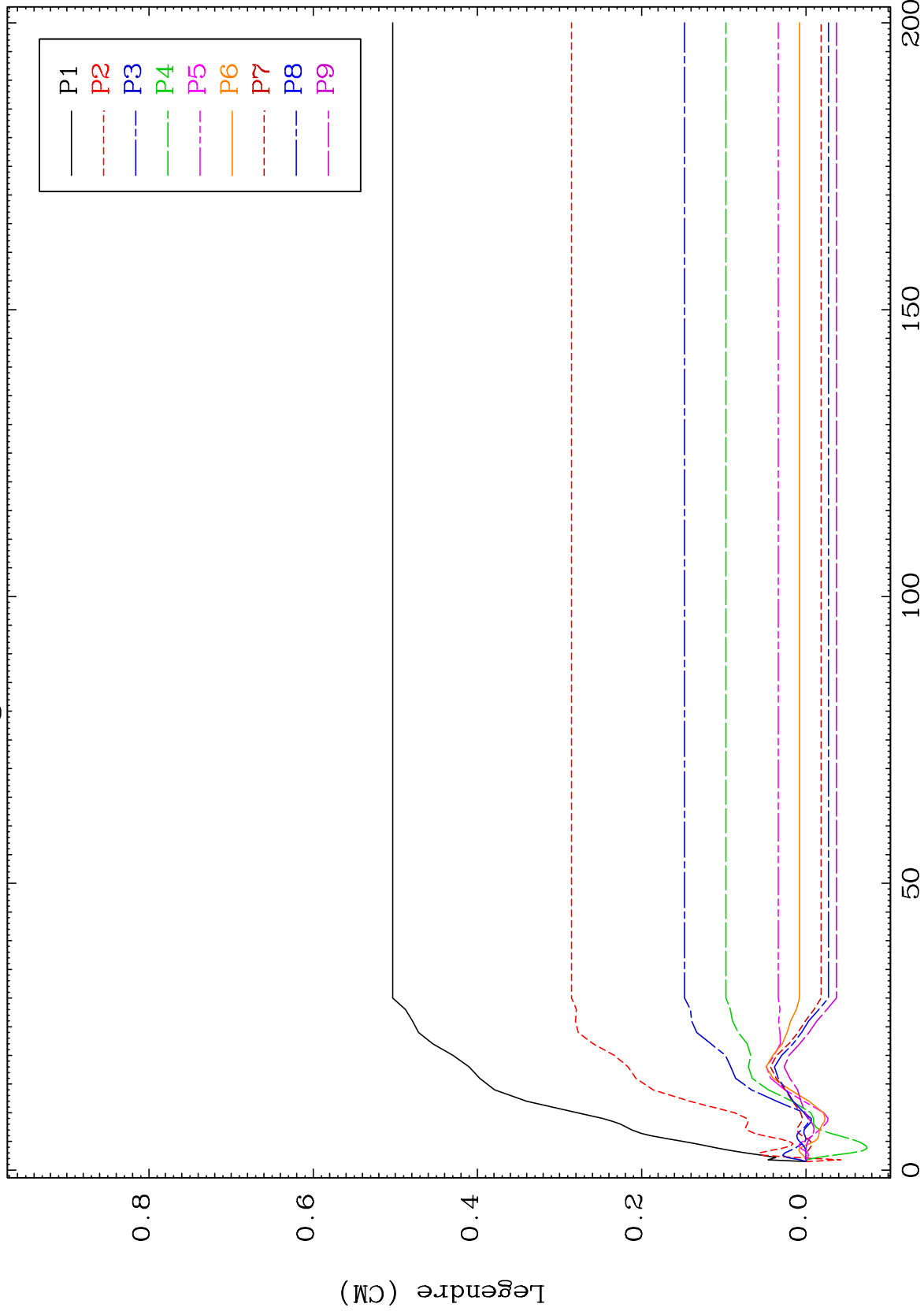
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50

MAT 6398

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

64-Gd-143



53

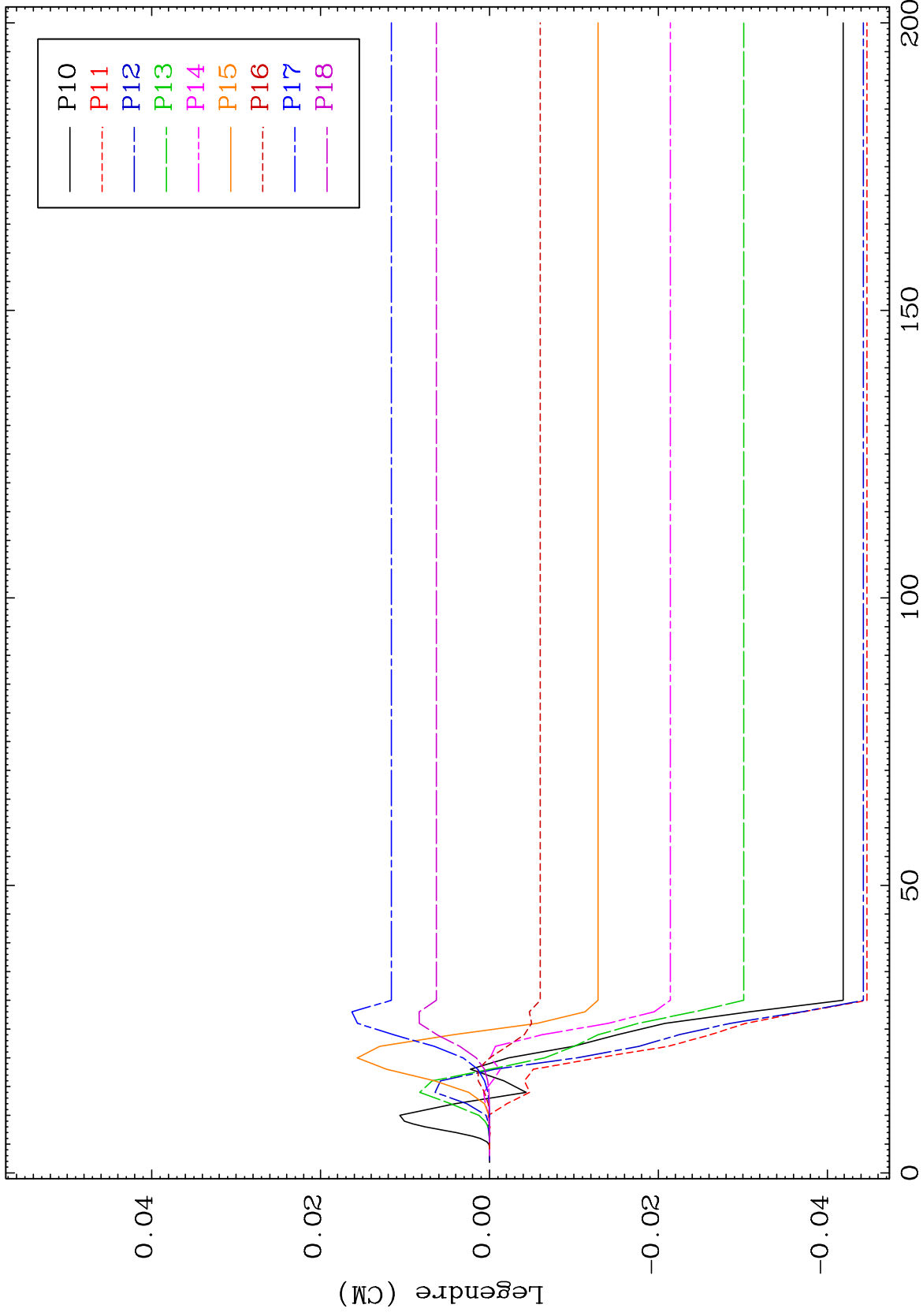
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



54

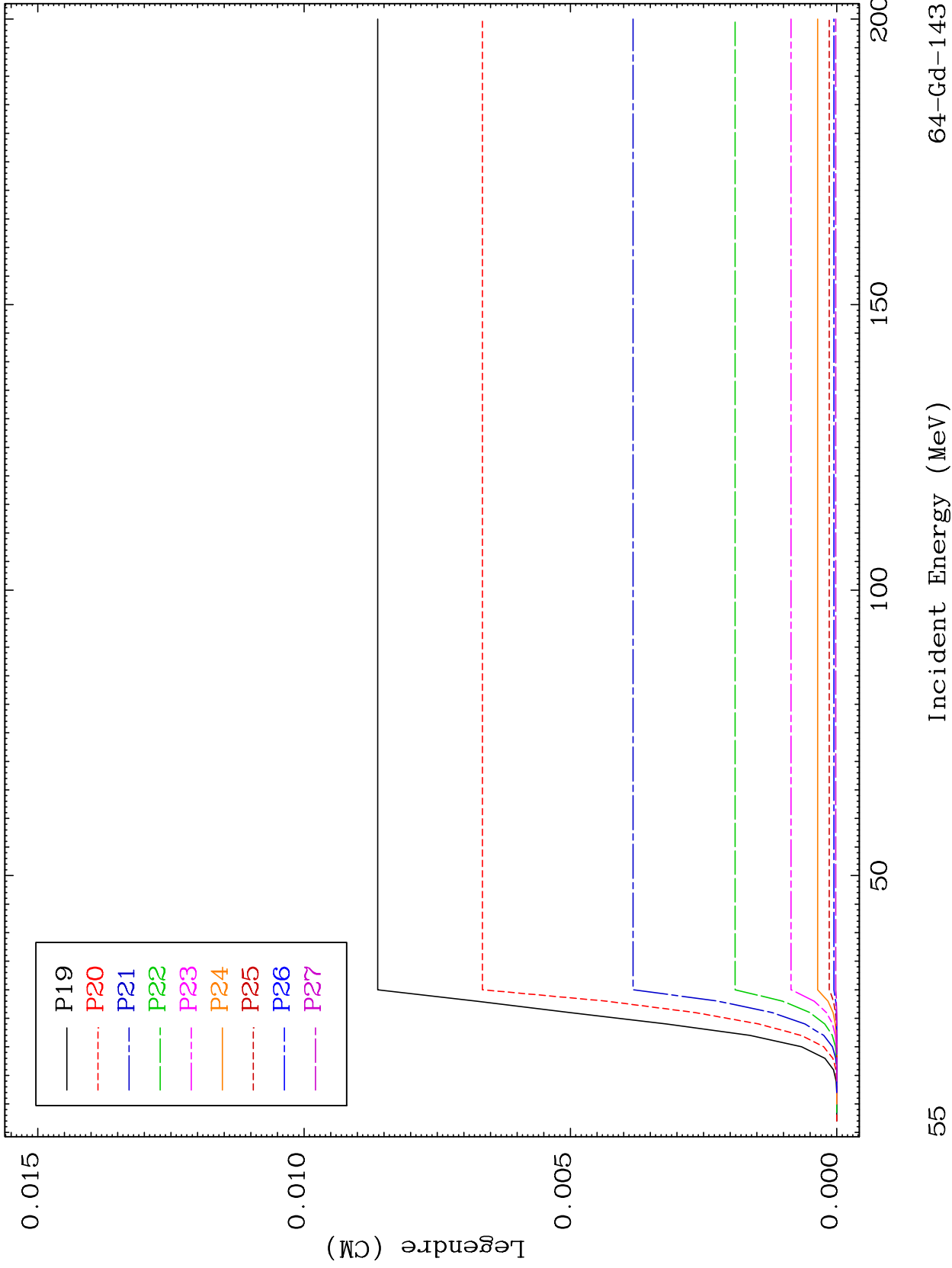
Incident Energy (MeV)

64-Gd-143

MAT 6398

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

64-Gd-143



55

Incident Energy (MeV)

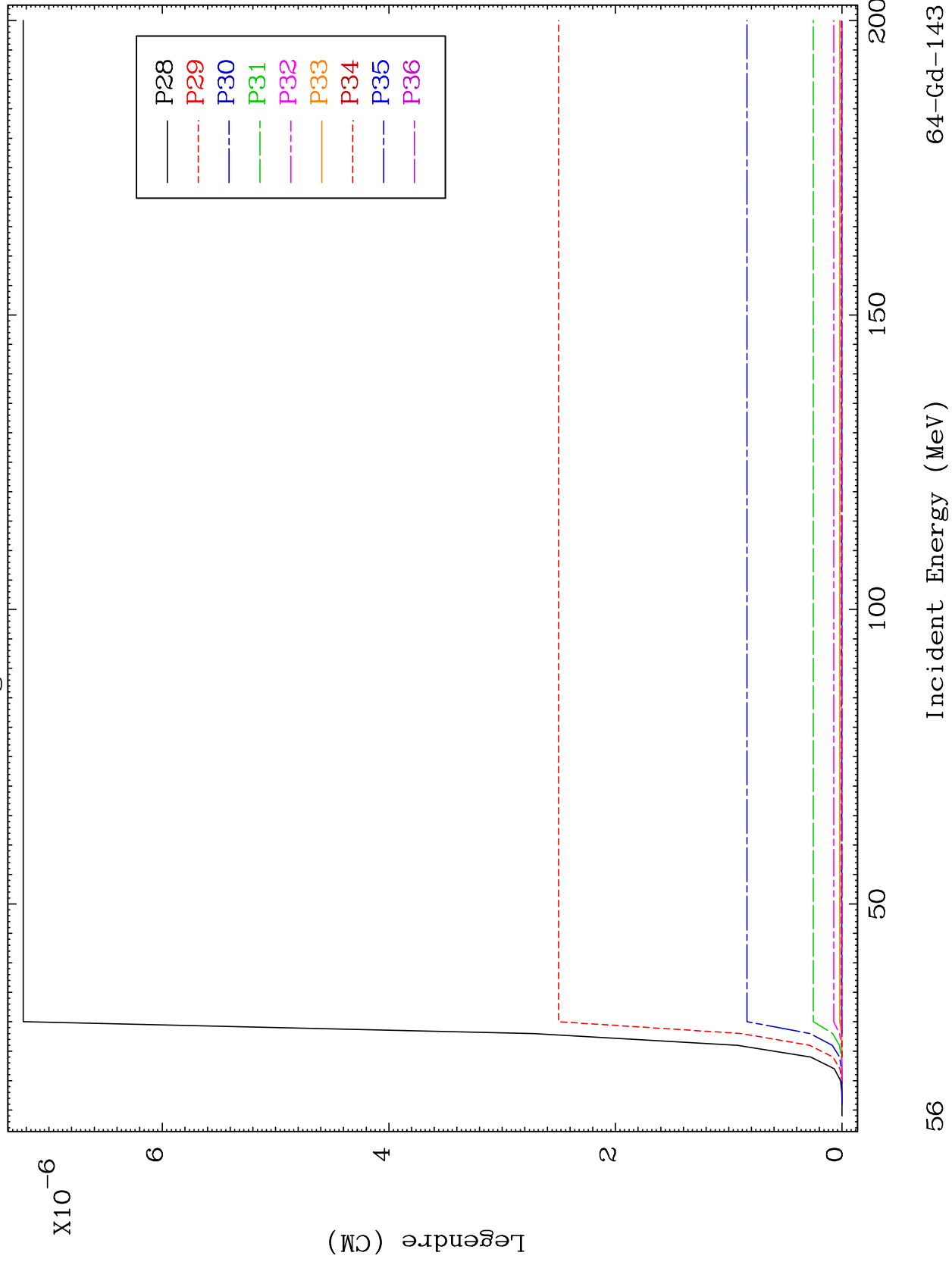
64-Gd-143



MAT 6398

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

64-Gd-143



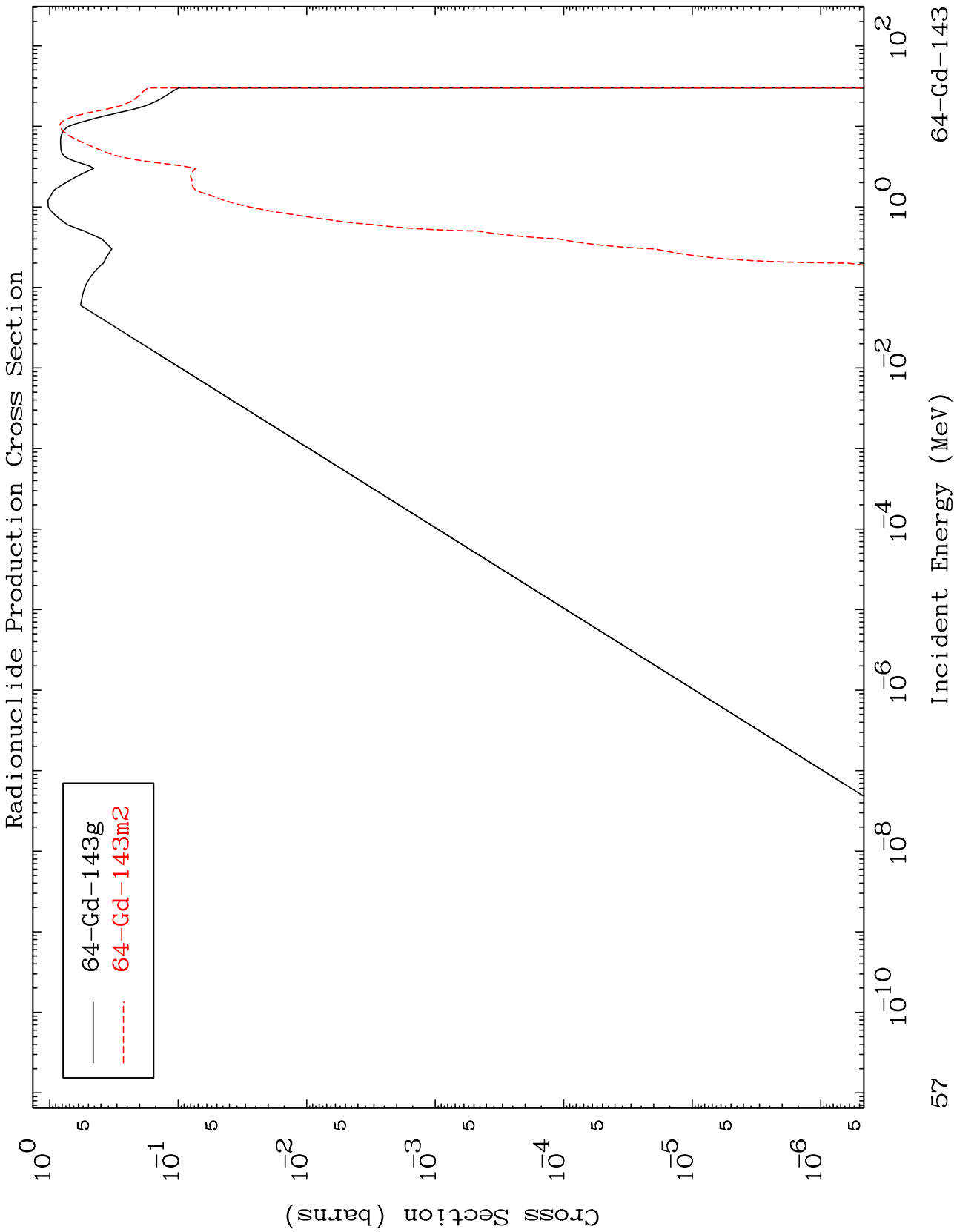
56

64-Gd-143

MAT 6398

64-Gd-143

Inelastic  
Radionuclide Production Cross Section

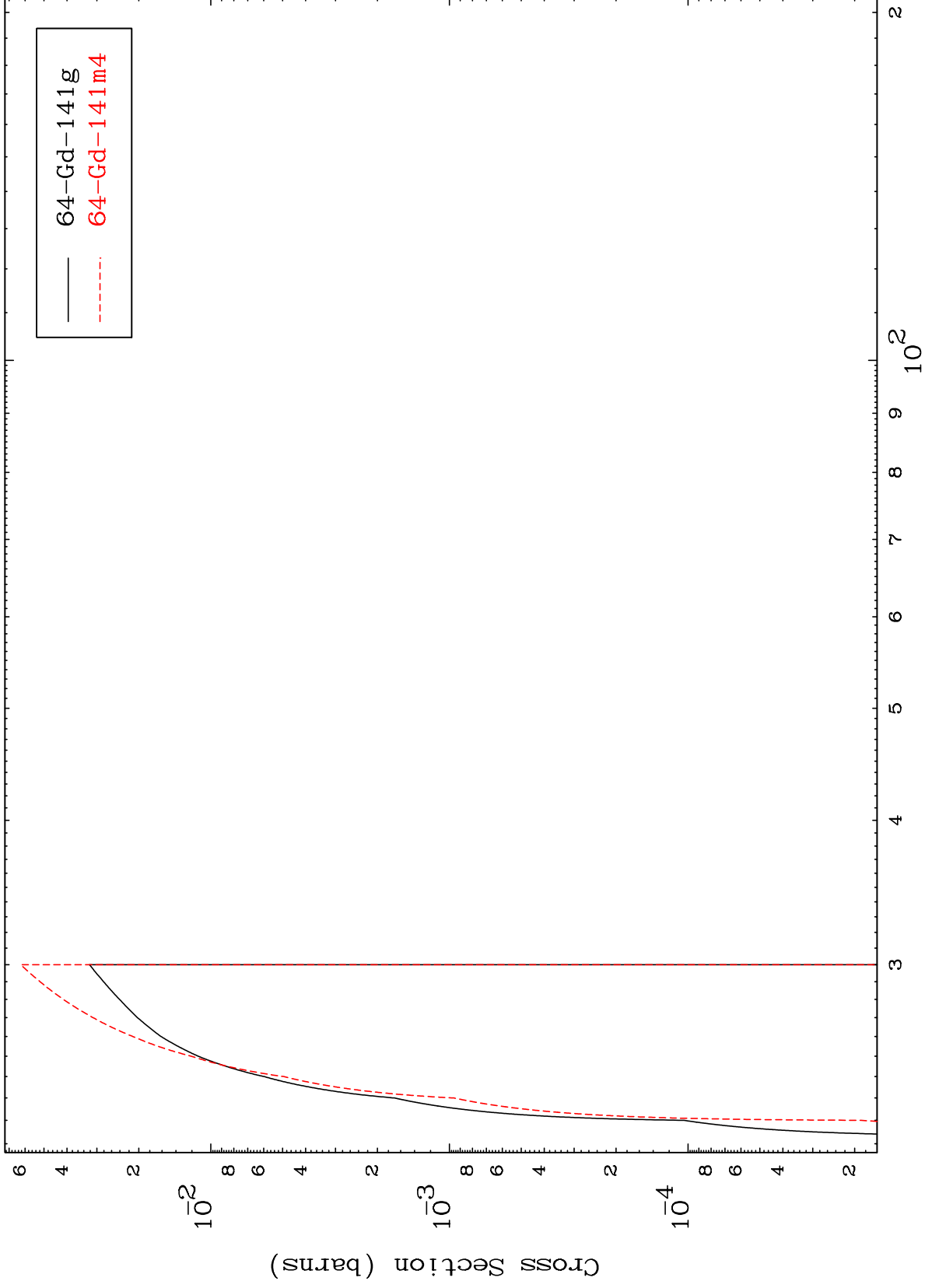


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(n,3n)

64-Gd-143

Radionuclide Production Cross Section



58

Incident Energy (MeV)

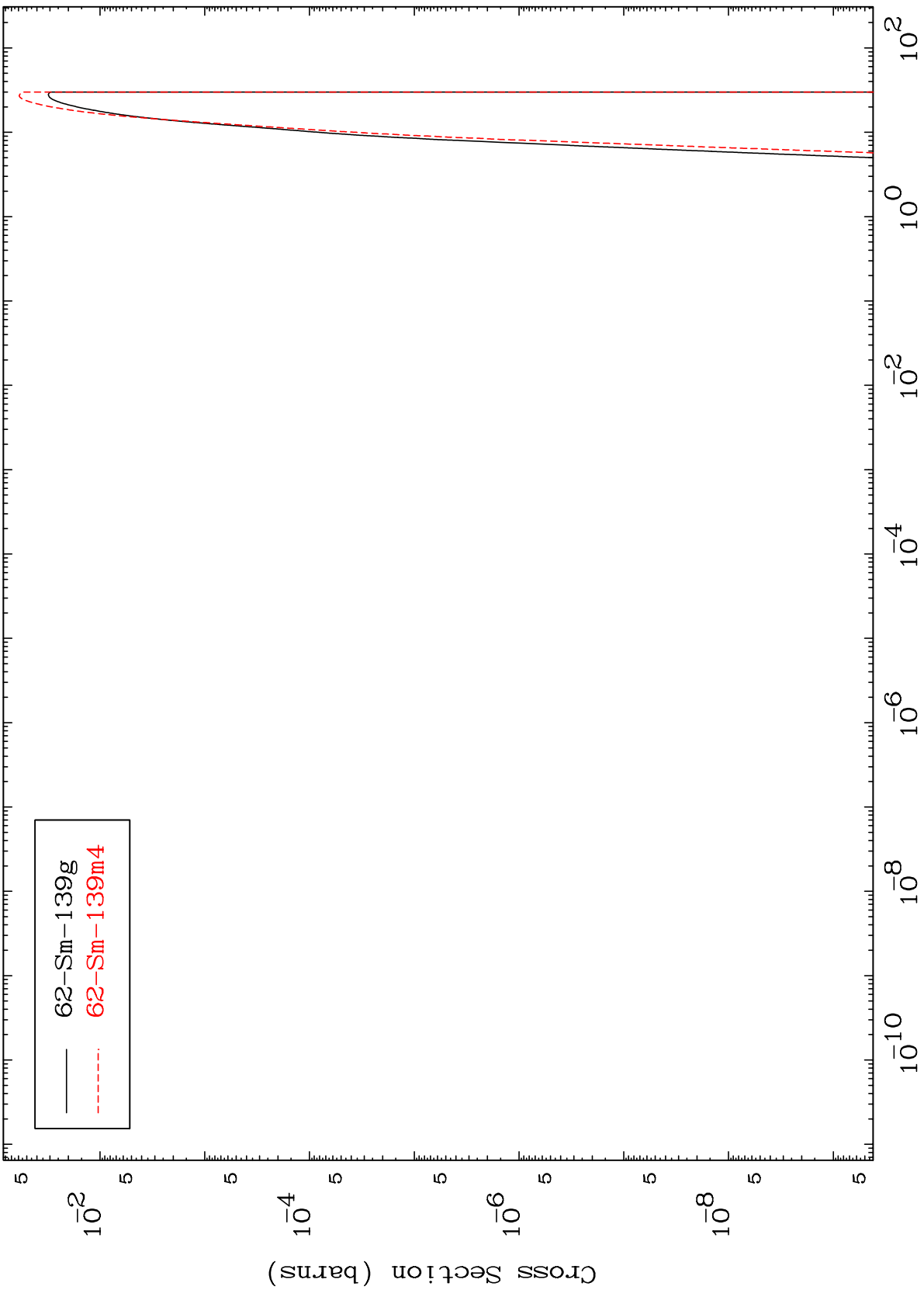
64-Gd-143

MAT 6398

$(n, n')$   $\alpha$

64-Gd-143

Radionuclide Production Cross Section



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

59

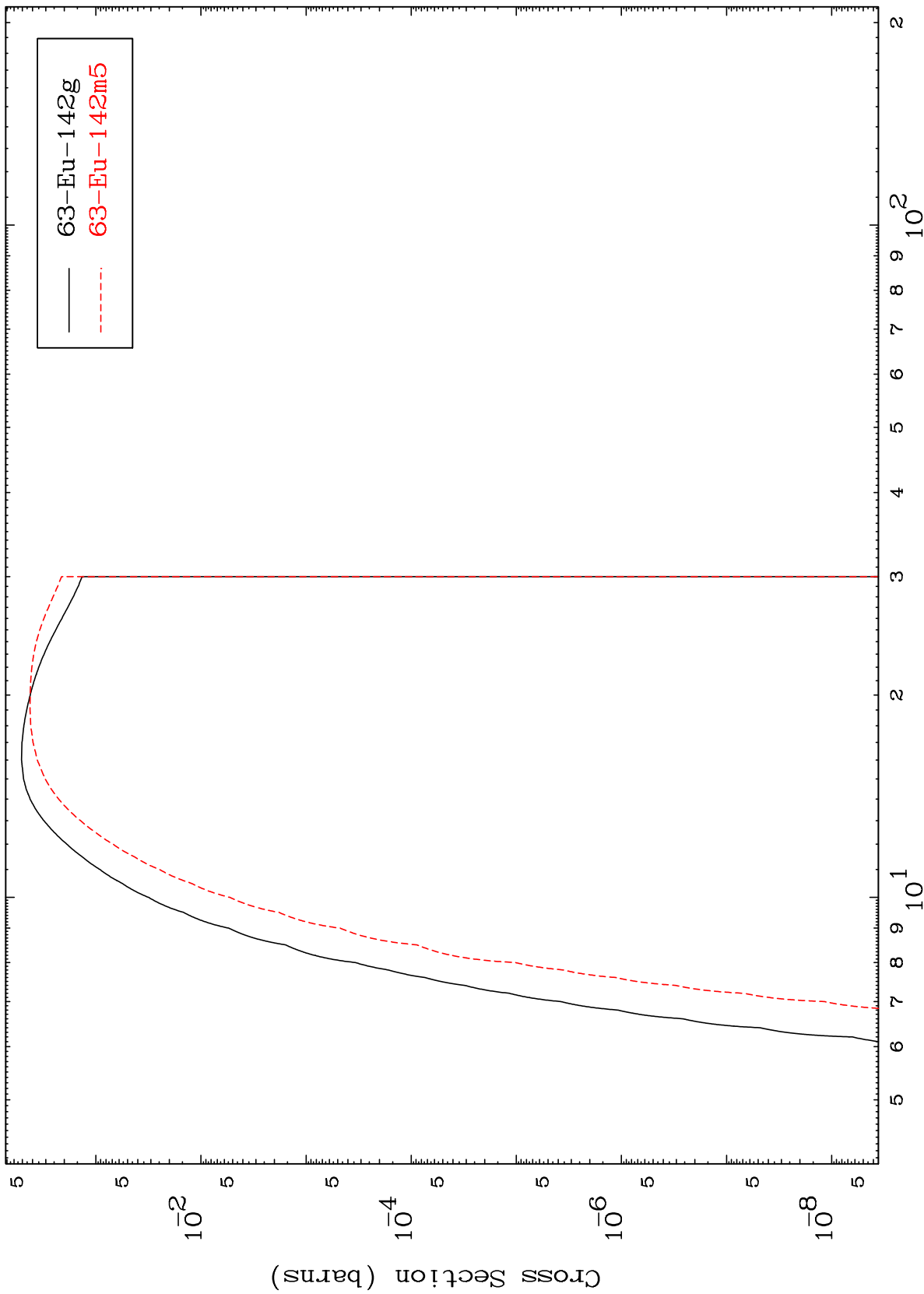
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

$(n, n')$  p  
Radionuclide Production Cross Section



60

Incident Energy (MeV)

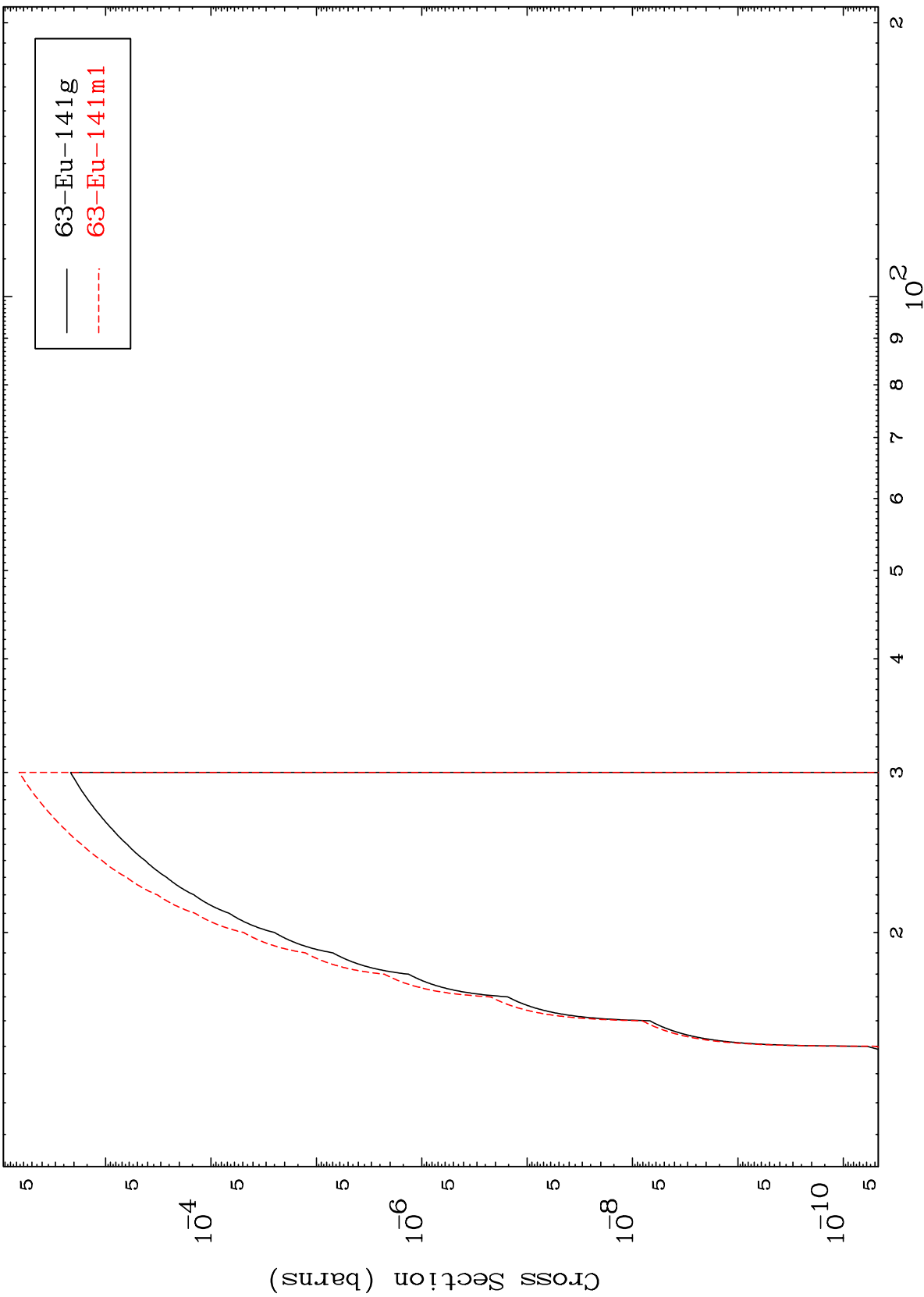
64-Gd-143

MAT 6398

(n,n') d

64-Gd-143

Radionuclide Production Cross Section



61

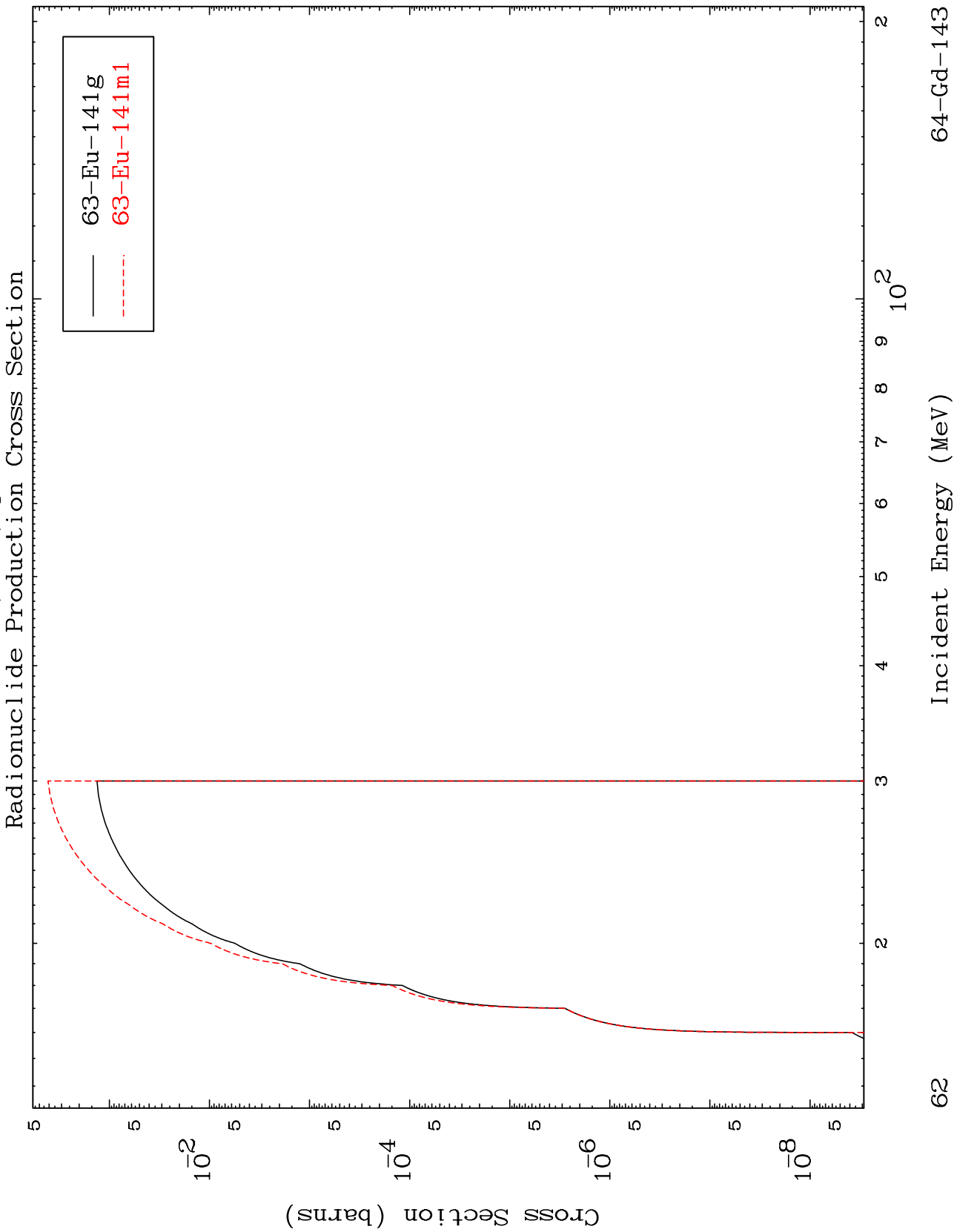
Incident Energy (MeV)

64-Gd-143

MAT 6398

(n,2n) p

64-Gd-143



62

Incident Energy (MeV)

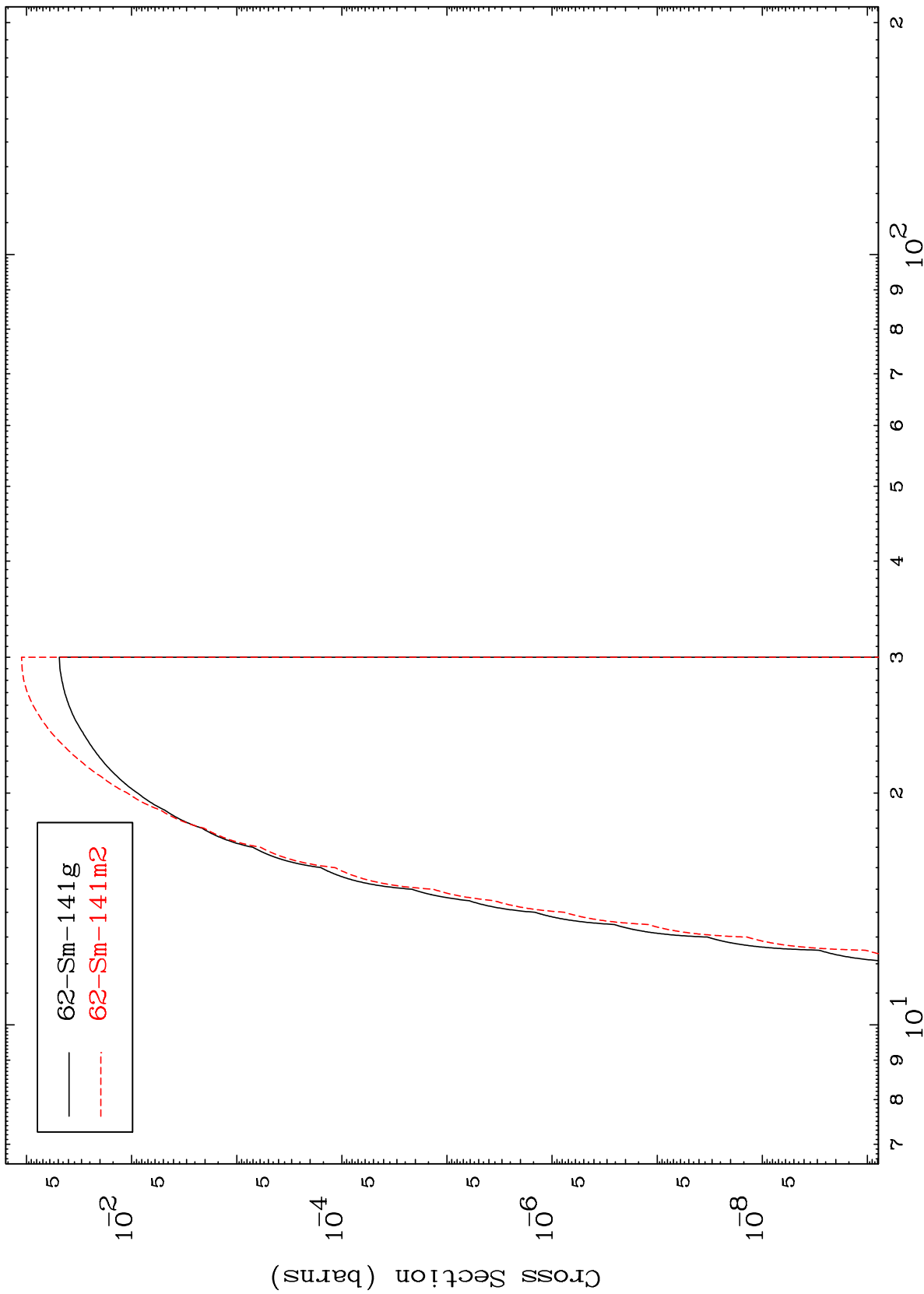
64-Gd-143

MAT 6398

(n,2n) p

64-Gd-143

Radionuclide Production Cross Section



63

Incident Energy (MeV)

64-Gd-143

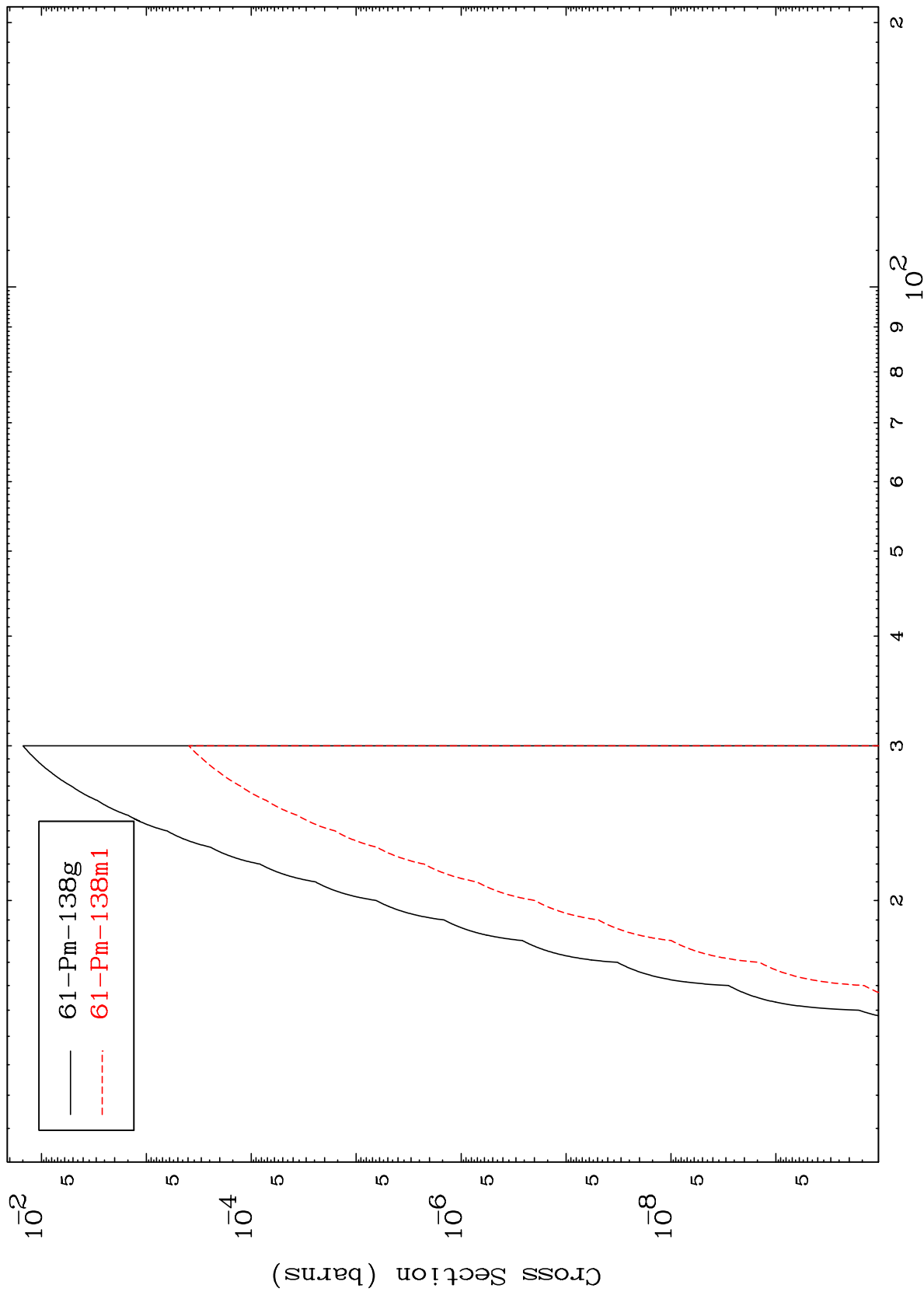


MAT 6398

(n,n') p  $\alpha$

64-Gd-143

Radionuclide Production Cross Section



64

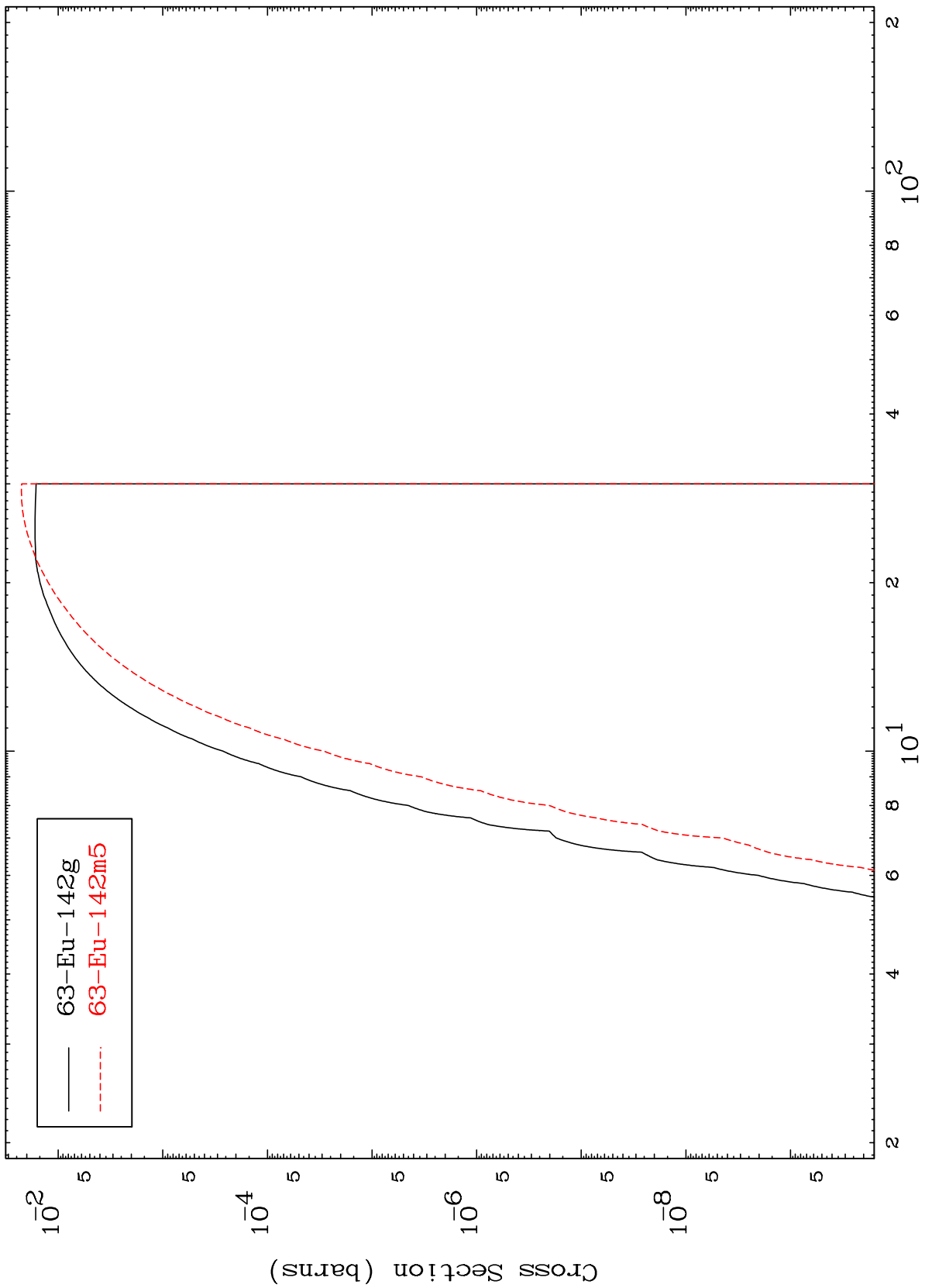
Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143

(n,d)  
Radionuclide Production Cross Section



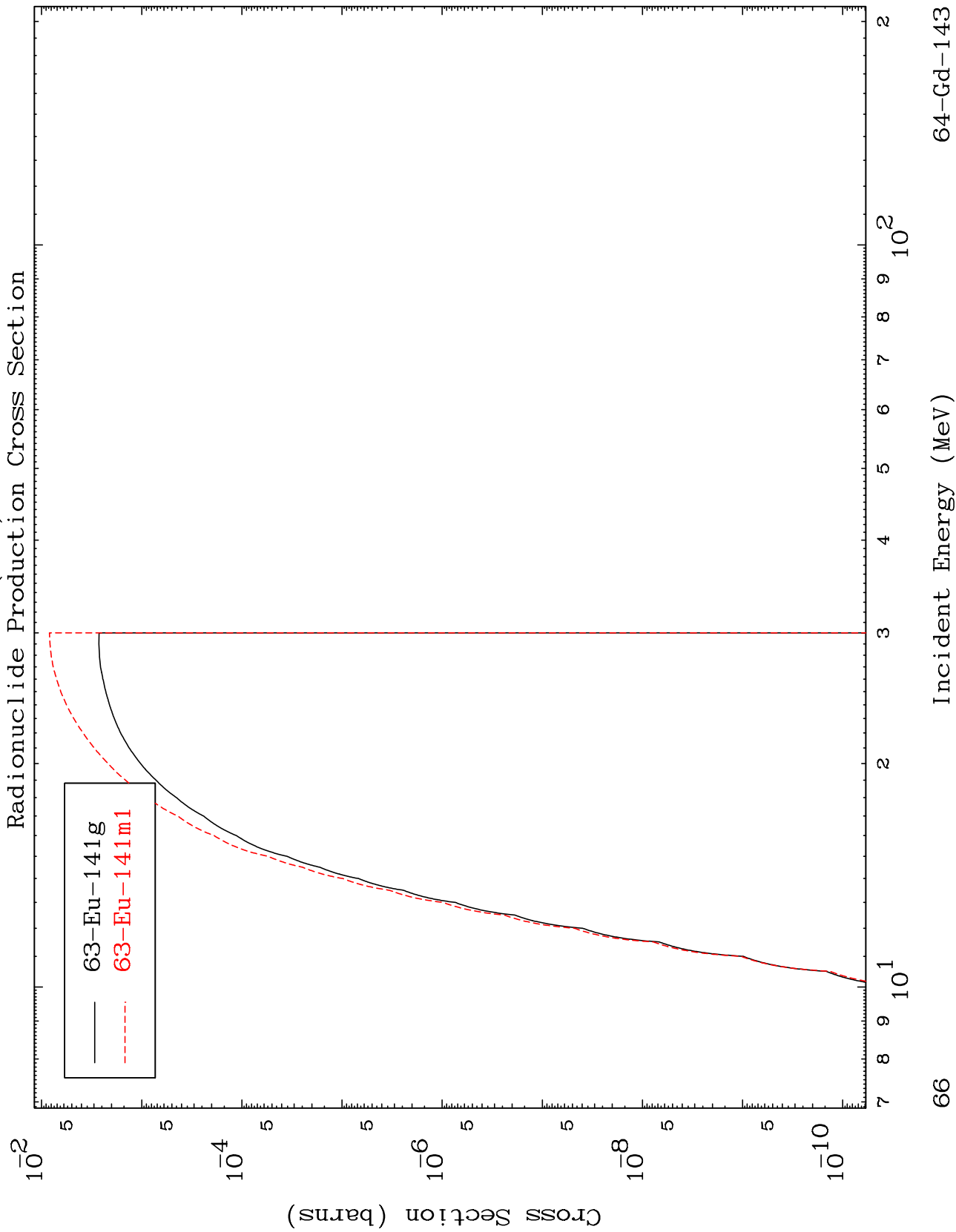
65

Incident Energy (MeV)

64-Gd-143

MAT 6398

64-Gd-143



Incident Energy (MeV)

64-Gd-143

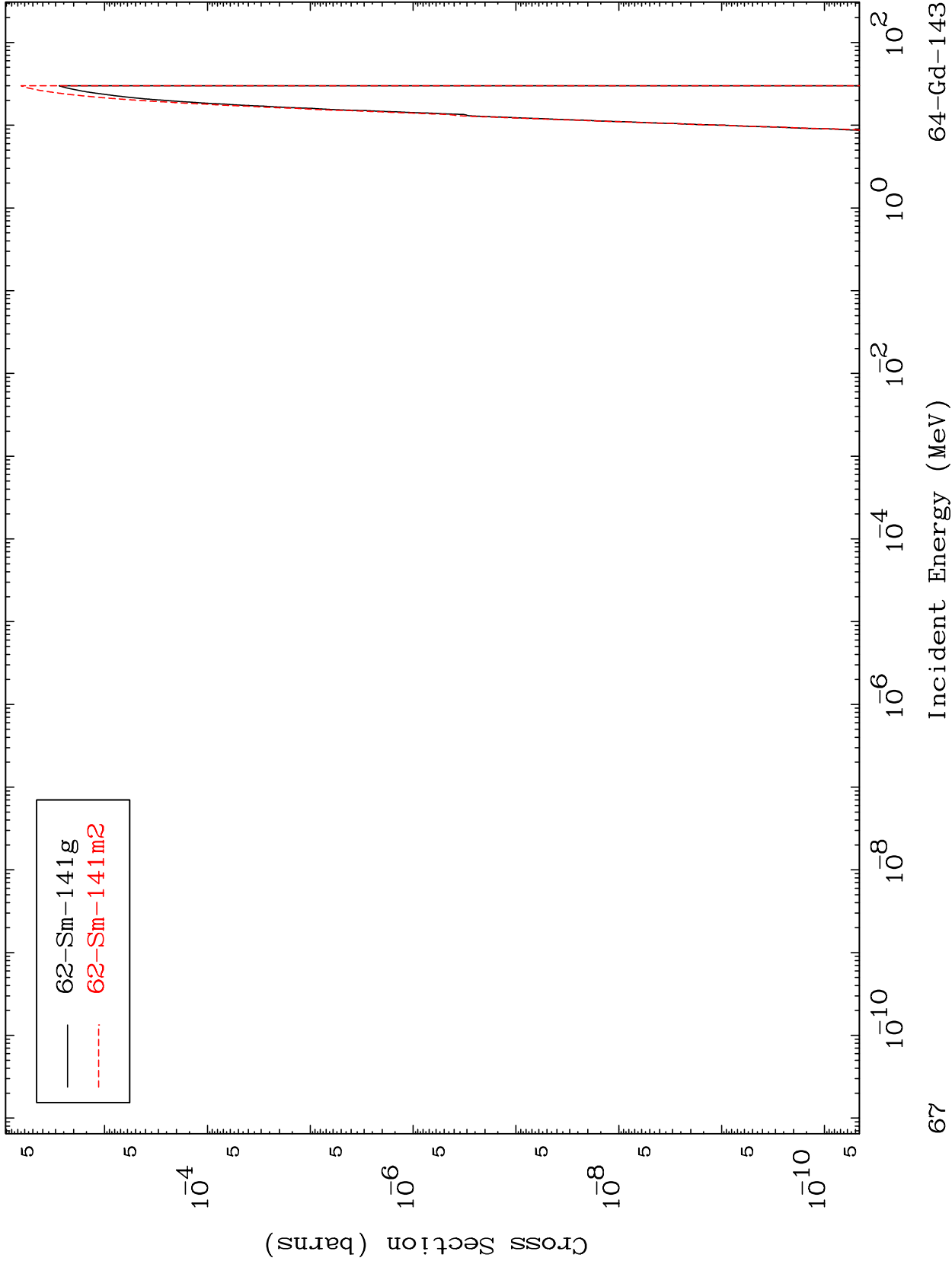
66

MAT 6398

(n,He-3)

64-Gd-143

Radionuclide Production Cross Section



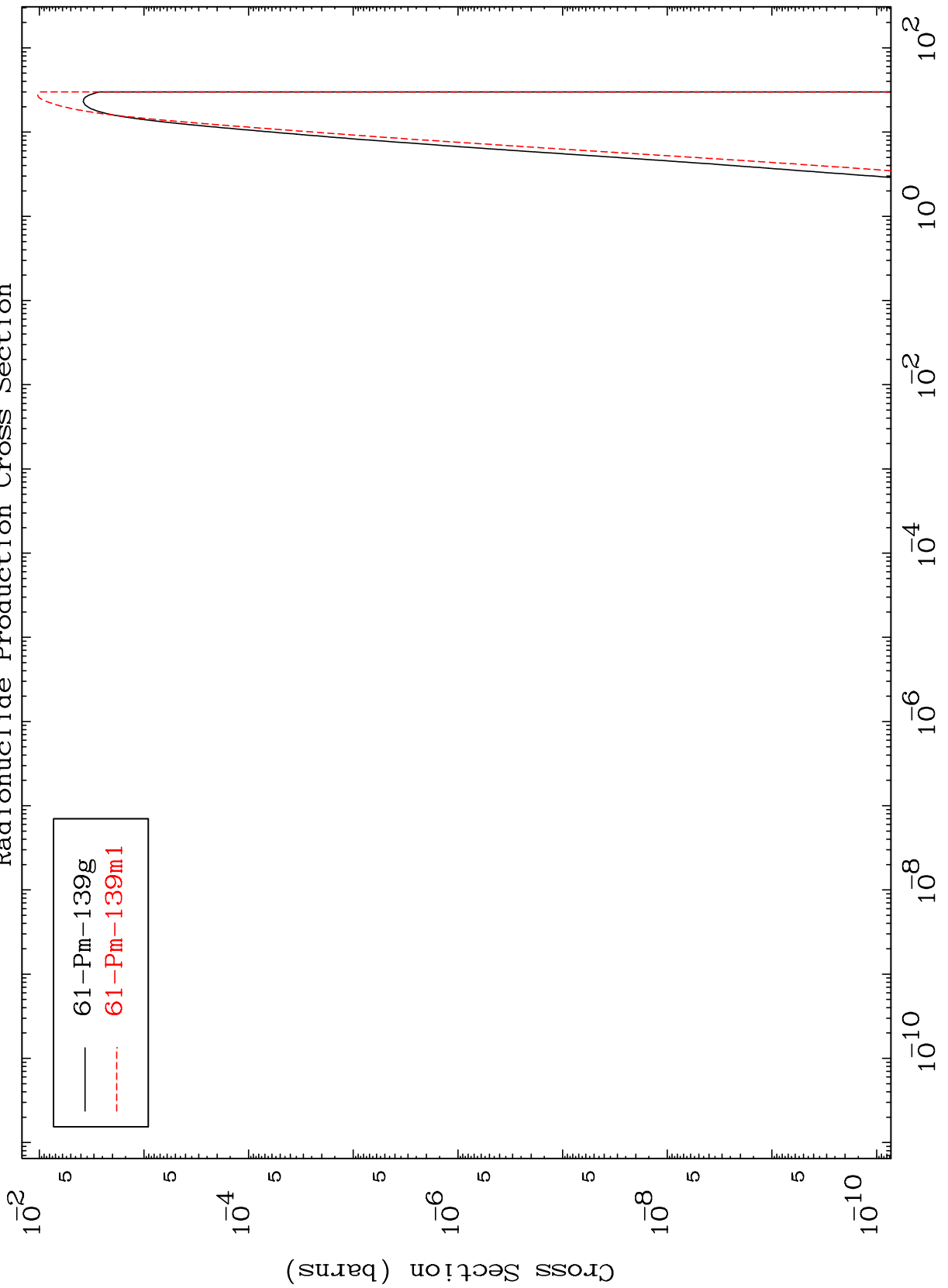
62-Sm-141g  
62-Sm-141m2

MAT 6398

(n,p)  $\alpha$

64-Gd-143

Radionuclide Production Cross Section



68

Incident Energy (MeV)

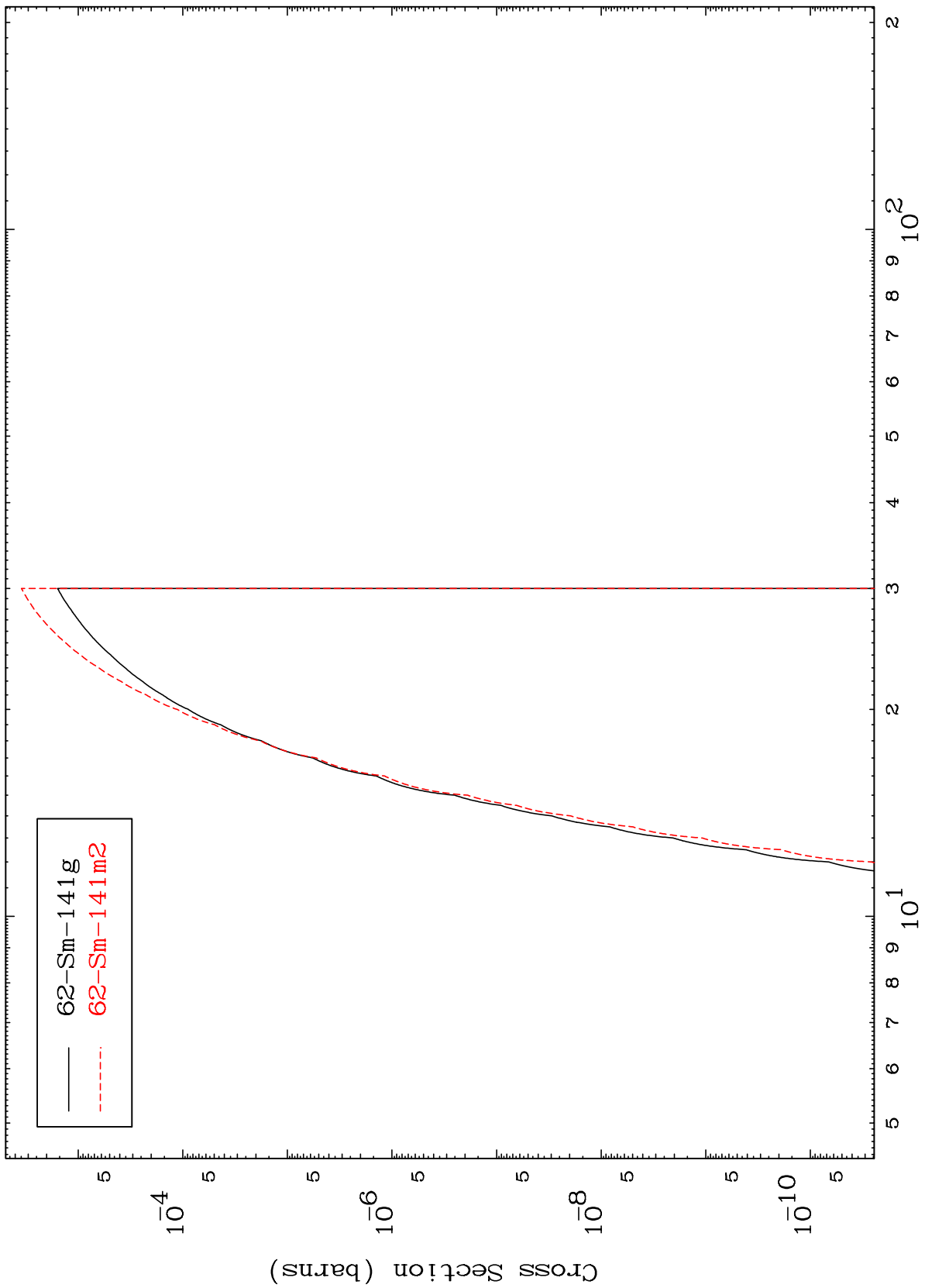
64-Gd-143

MAT 6398

(n,p) d

64-Gd-143

Radionuclide Production Cross Section



69

Incident Energy (MeV)

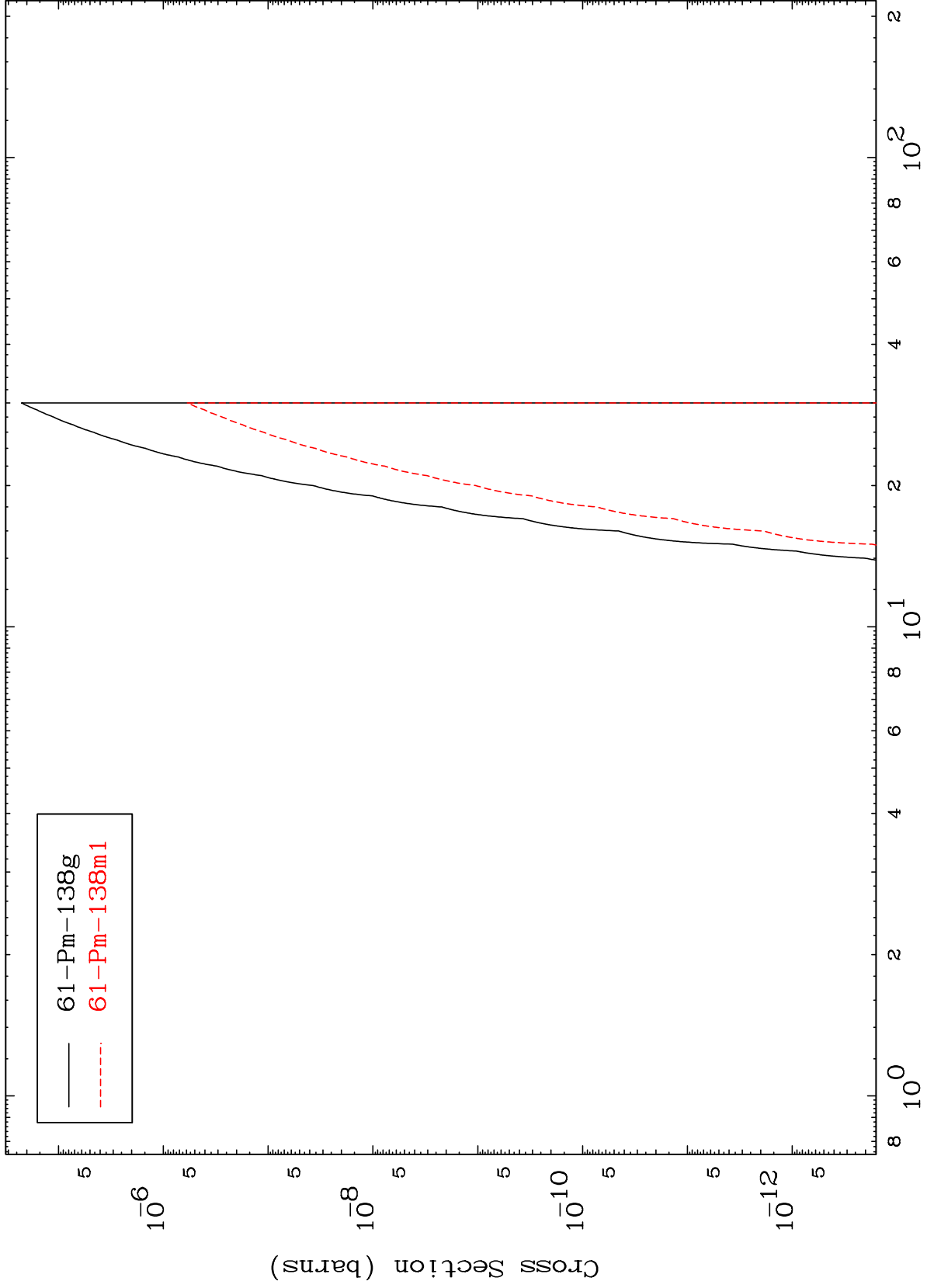
64-Gd-143

MAT 6398

(n,d)  $\alpha$

64-Gd-143

Radionuclide Production Cross Section



70

Incident Energy (MeV)

64-Gd-143