

Program EVALPLOT  
(Version 2017-1)

by

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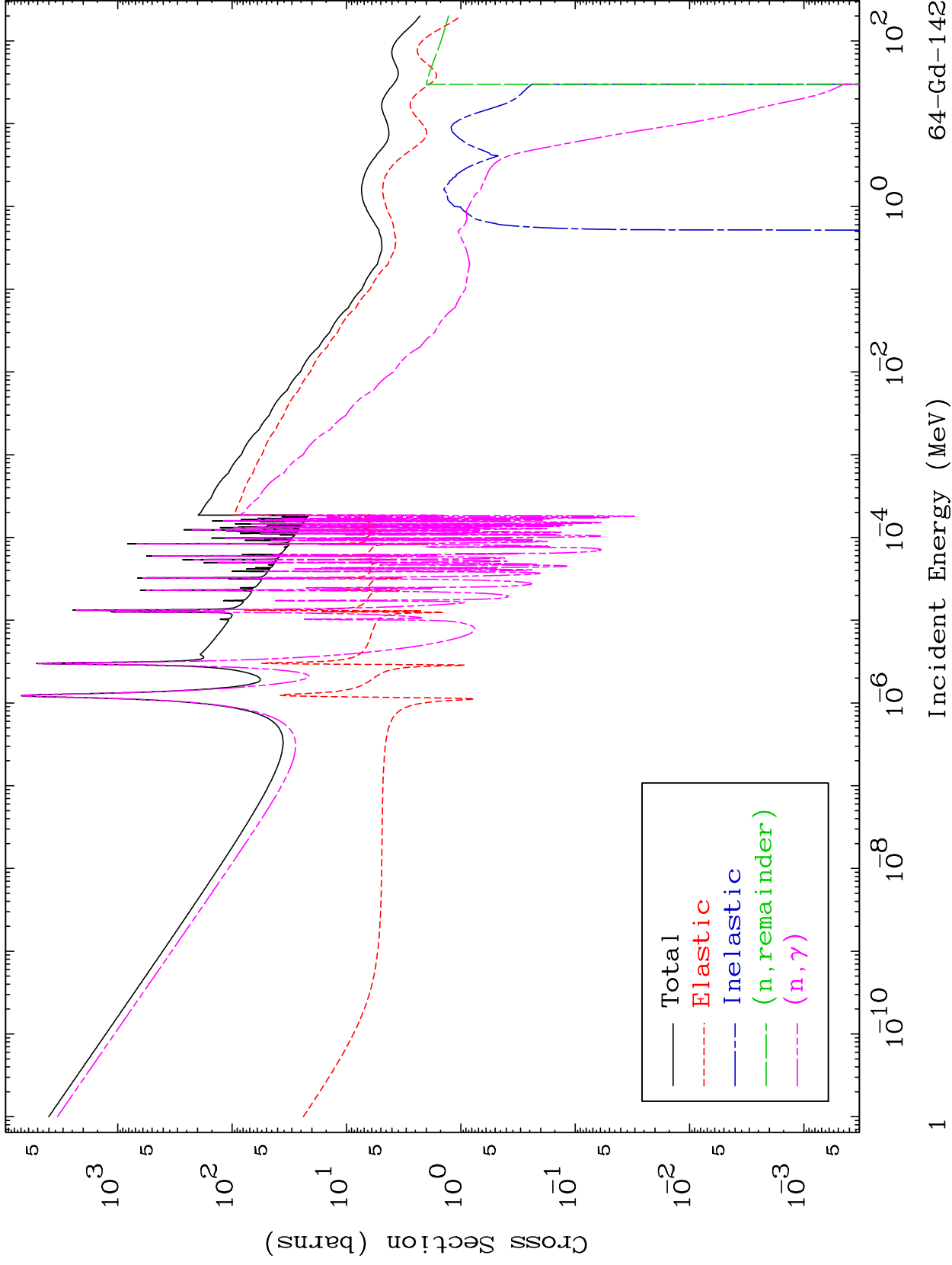
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Press Mouse Button to Start

MAT 6395

Major  
293 Kelvin Cross Sections

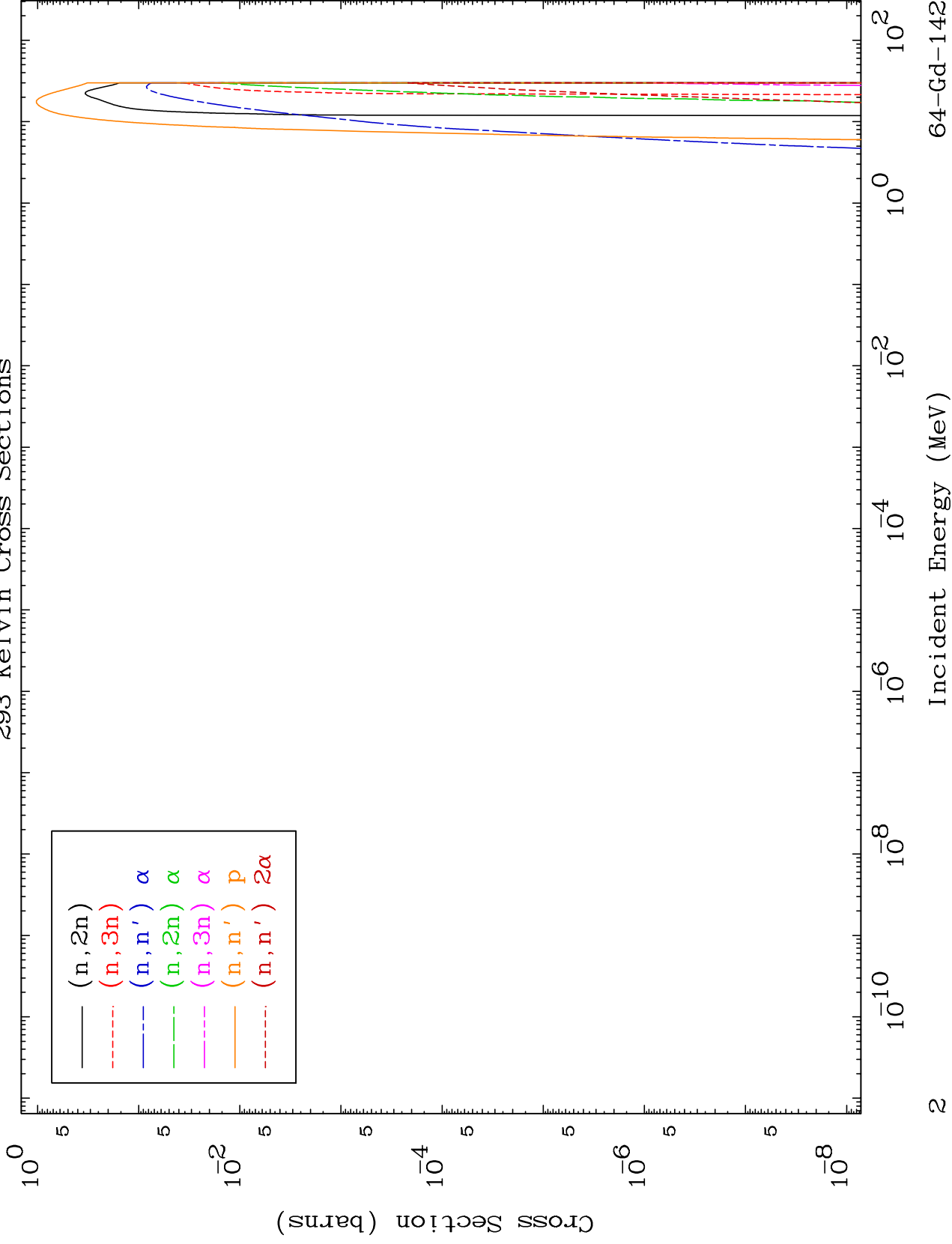
64-Gd-142



MAT 6395

Neutron Production  
293 Kelvin Cross Sections

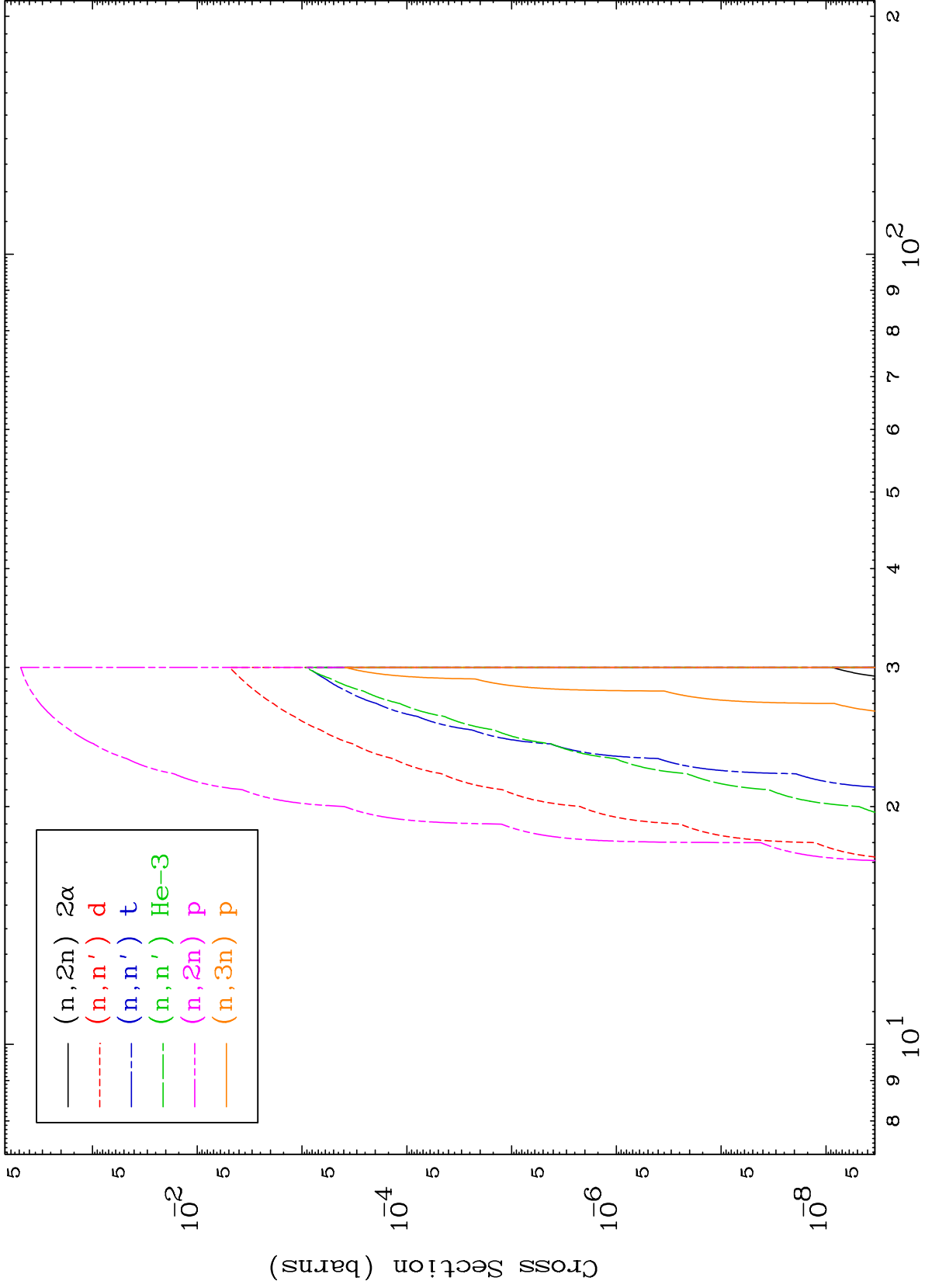
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MAT 6395

Neutron Production  
293 Kelvin Cross Sections

64-Gd-142



3

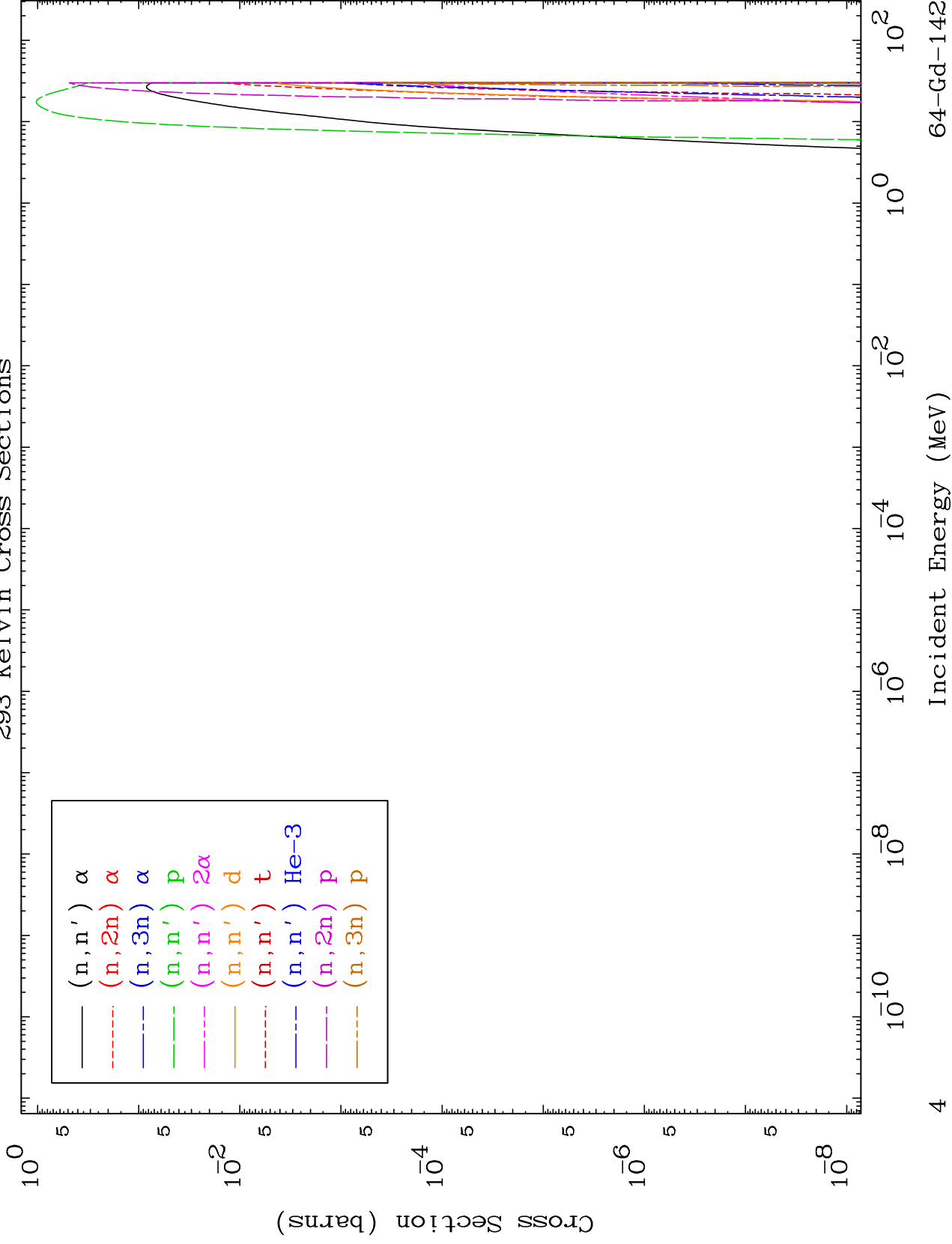
Incident Energy (MeV)

64-Gd-142

MAT 6395

Charged Particle  
293 Kelvin Cross Sections

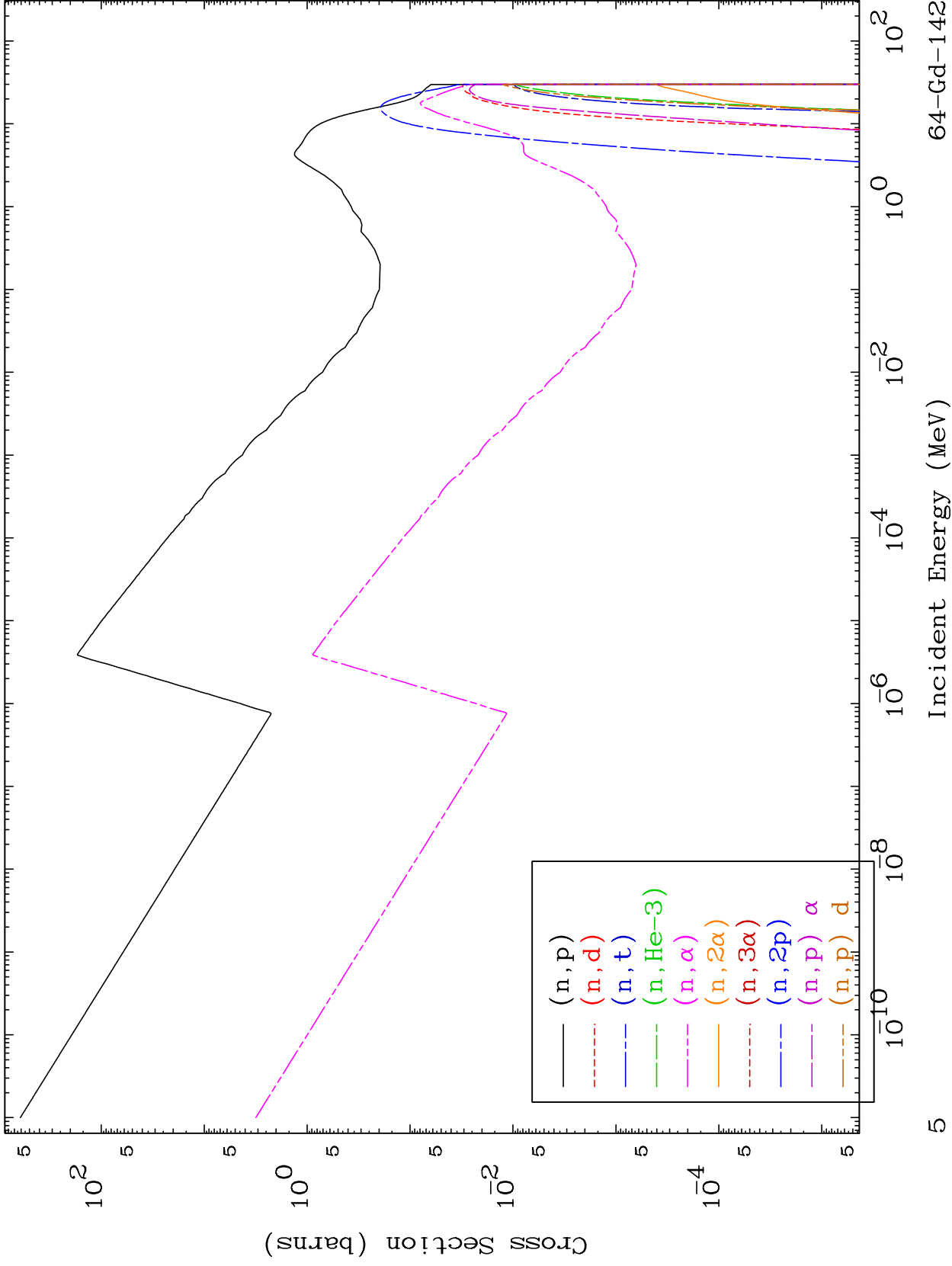
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MAT 6395

Charged Particle  
293 Kelvin Cross Sections

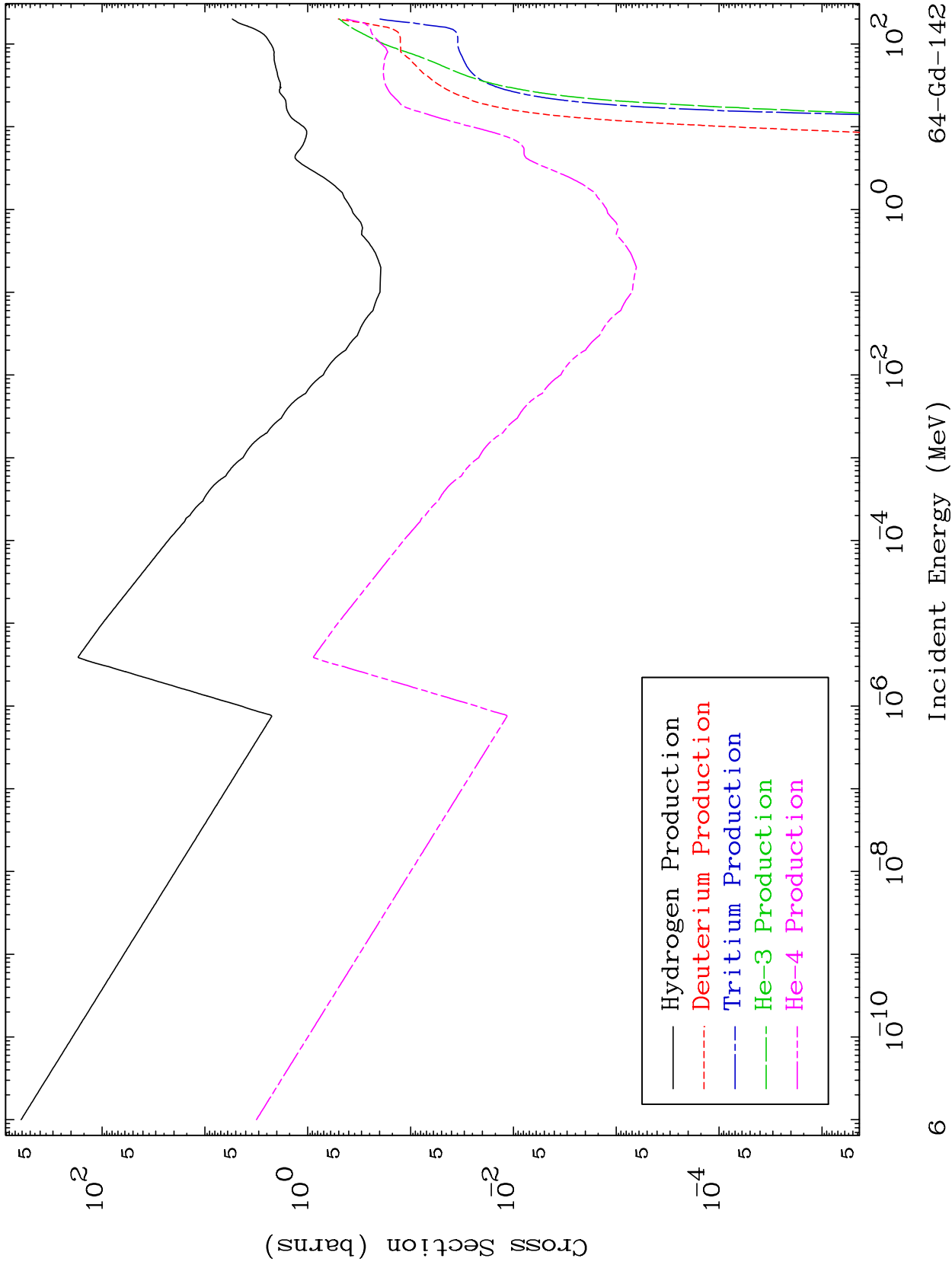
64-Gd-142



MAT 6395

Particle Production  
293 Kelvin Cross Sections

64-Gd-142

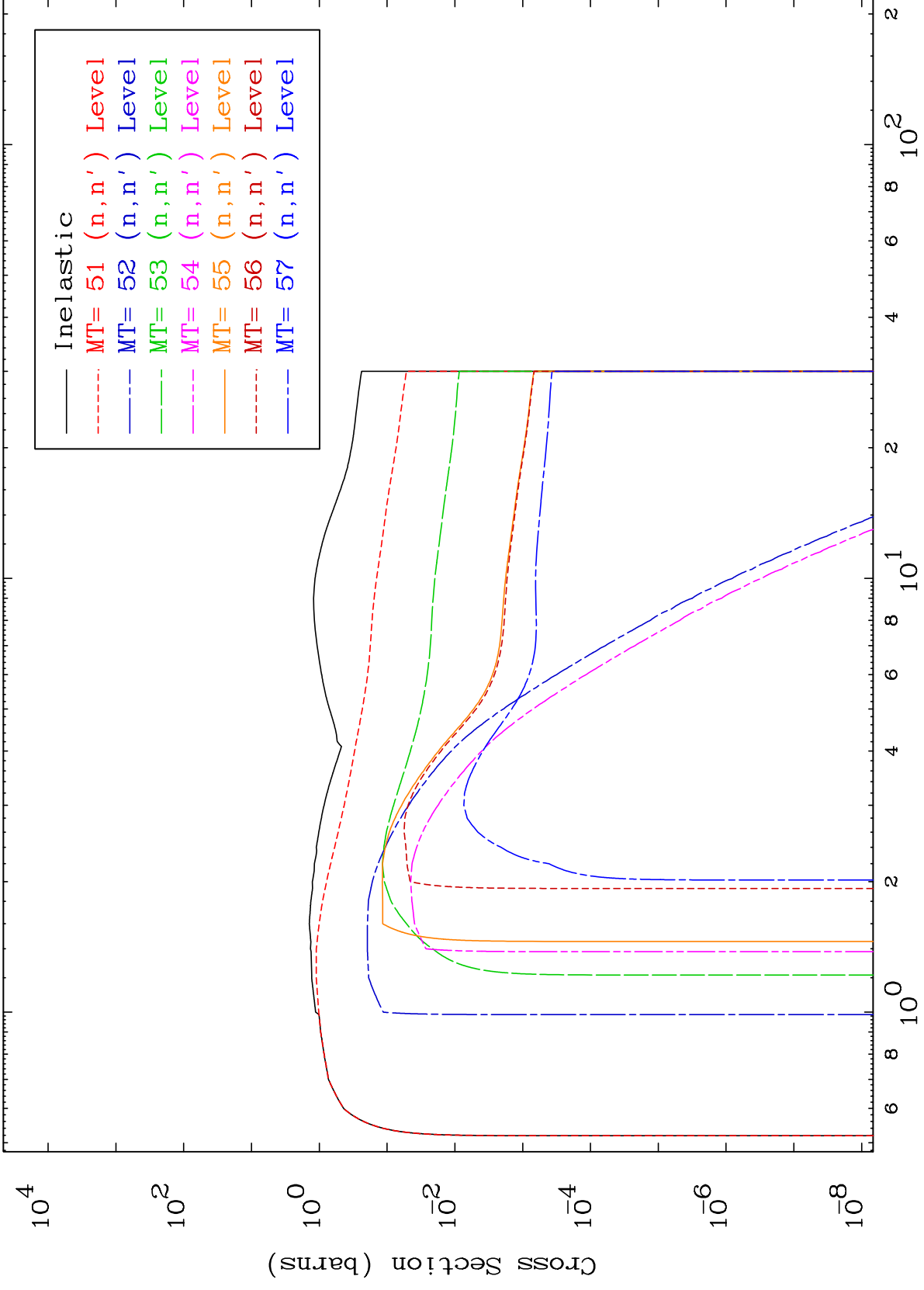


MAT 6395

(n,n') Level

64-Gd-142

293 Kelvin Cross Sections



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Incident Energy (MeV)

64-Gd-142

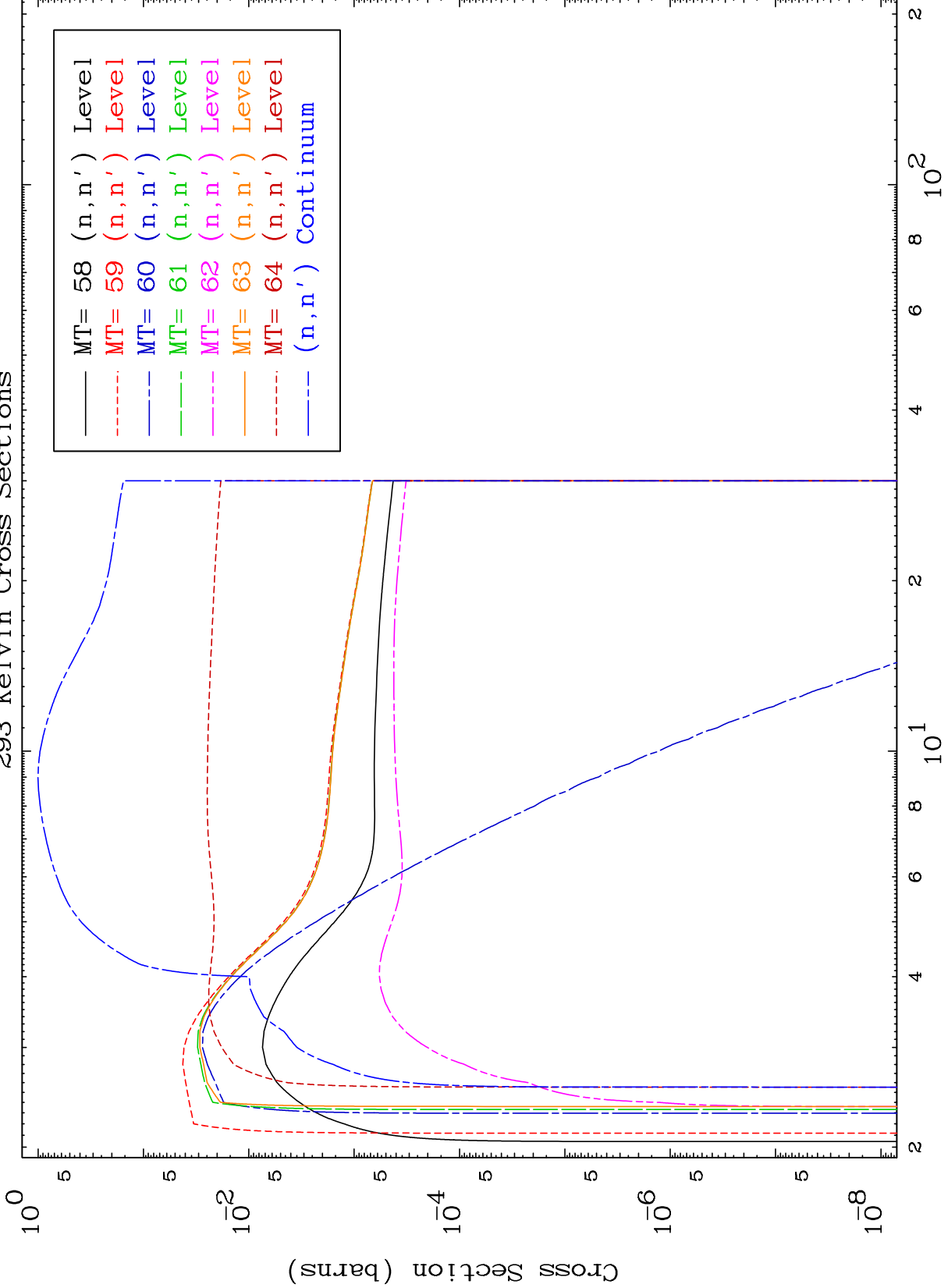


MAT 6395

(n,n') Level

64-Gd-142

293 Kelvin Cross Sections



8

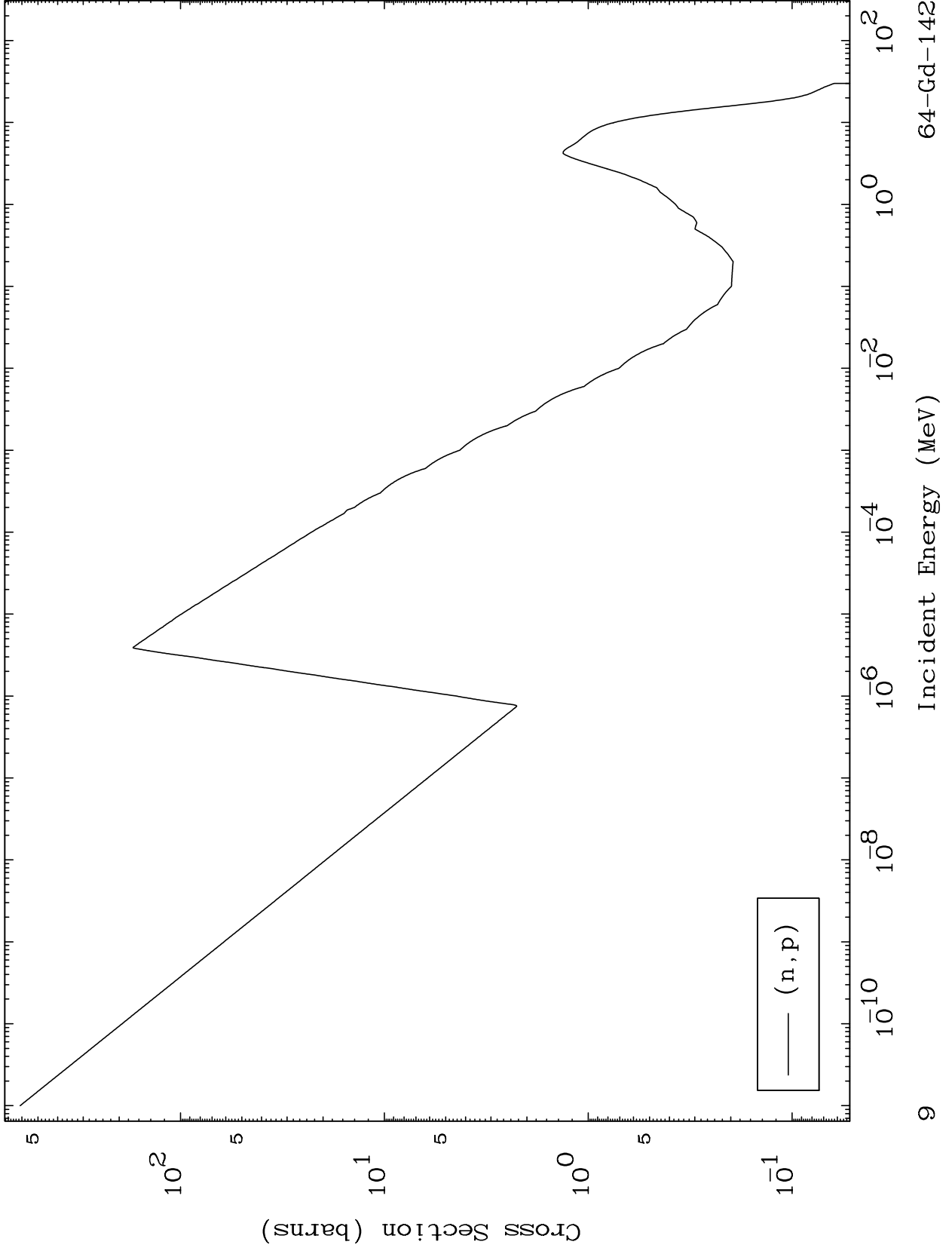
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,p) Levels  
293 Kelvin Cross Sections

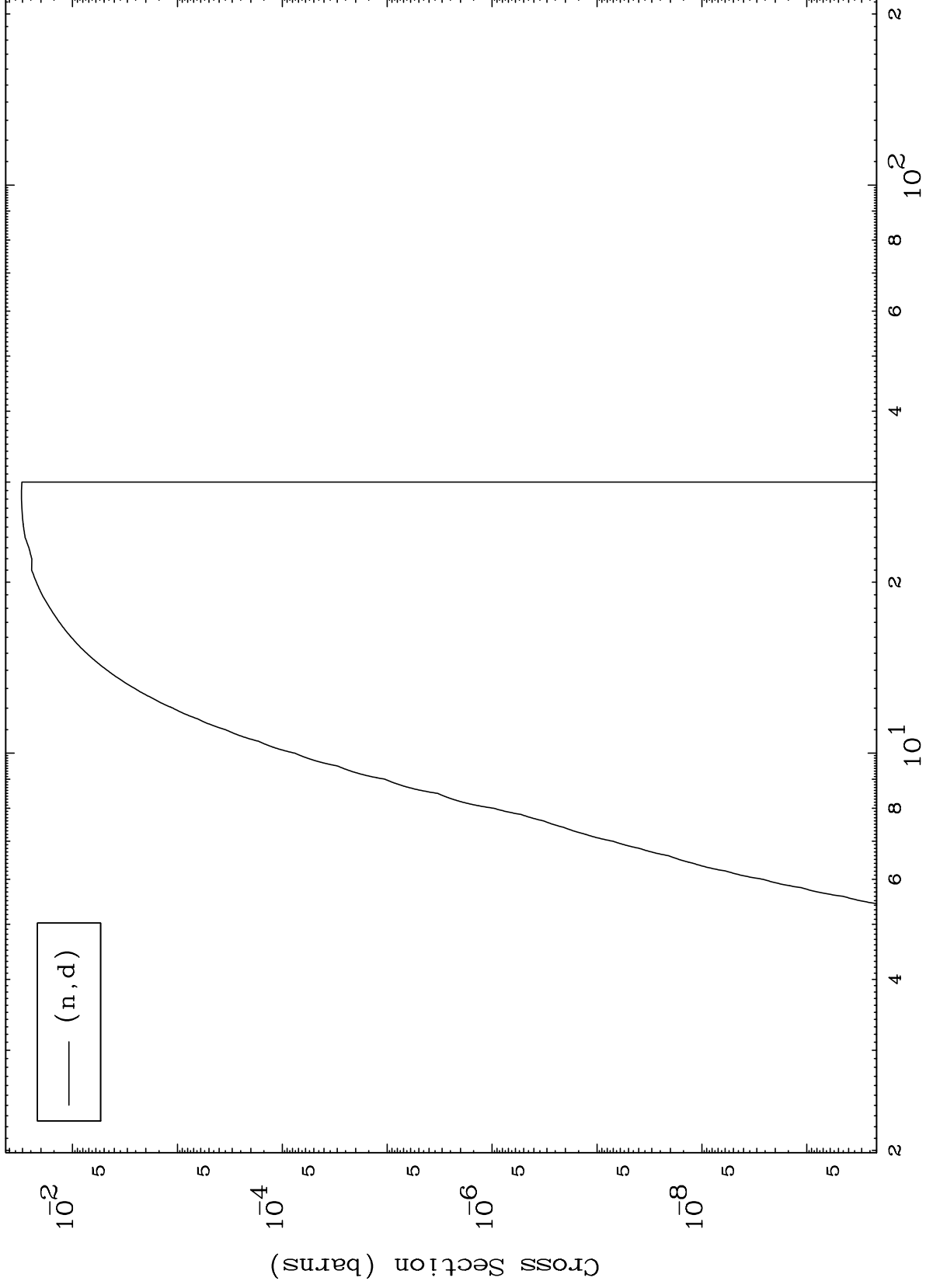
64-Gd-142



MAT 6395

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-142



10

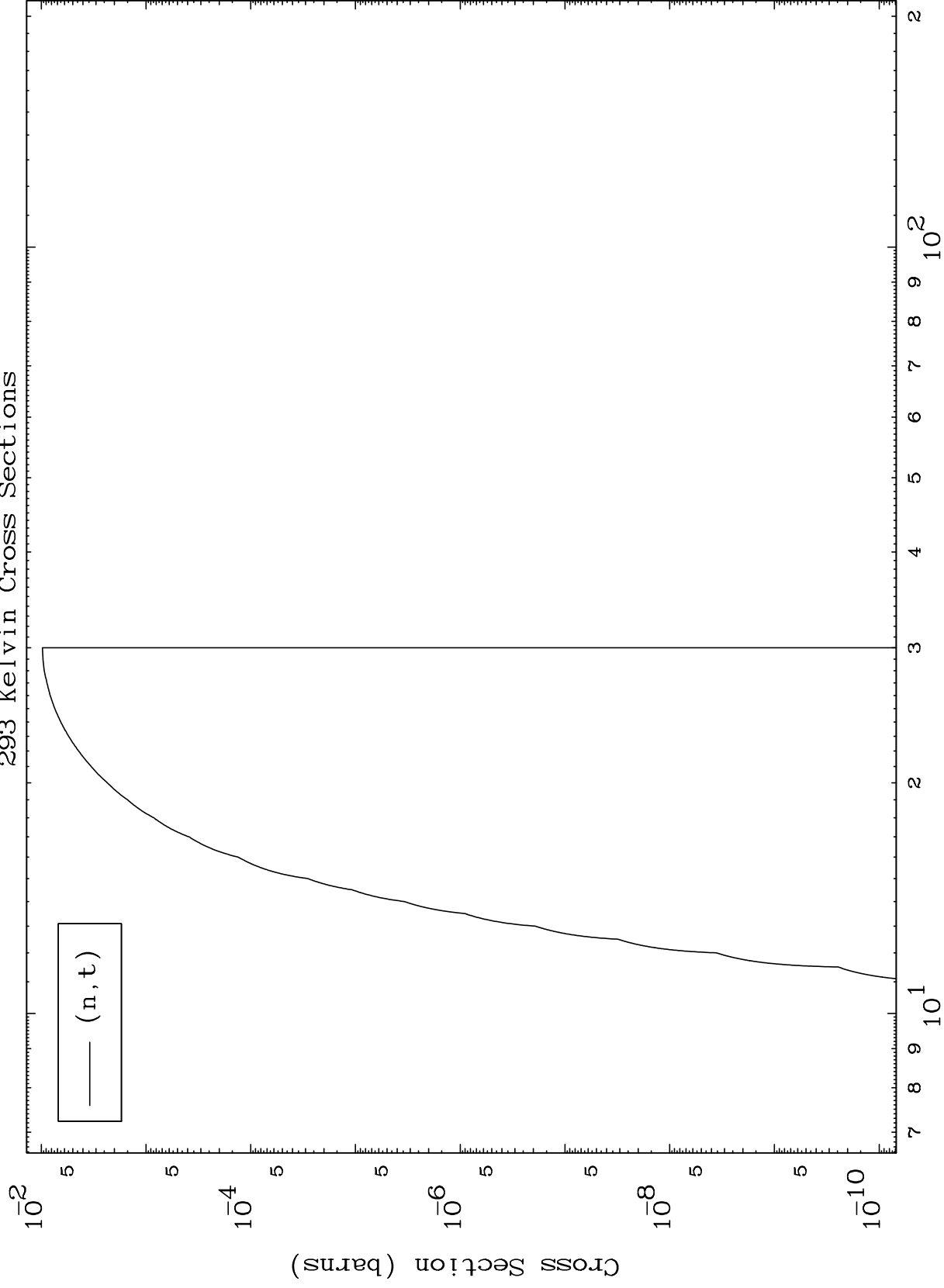
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-142



11

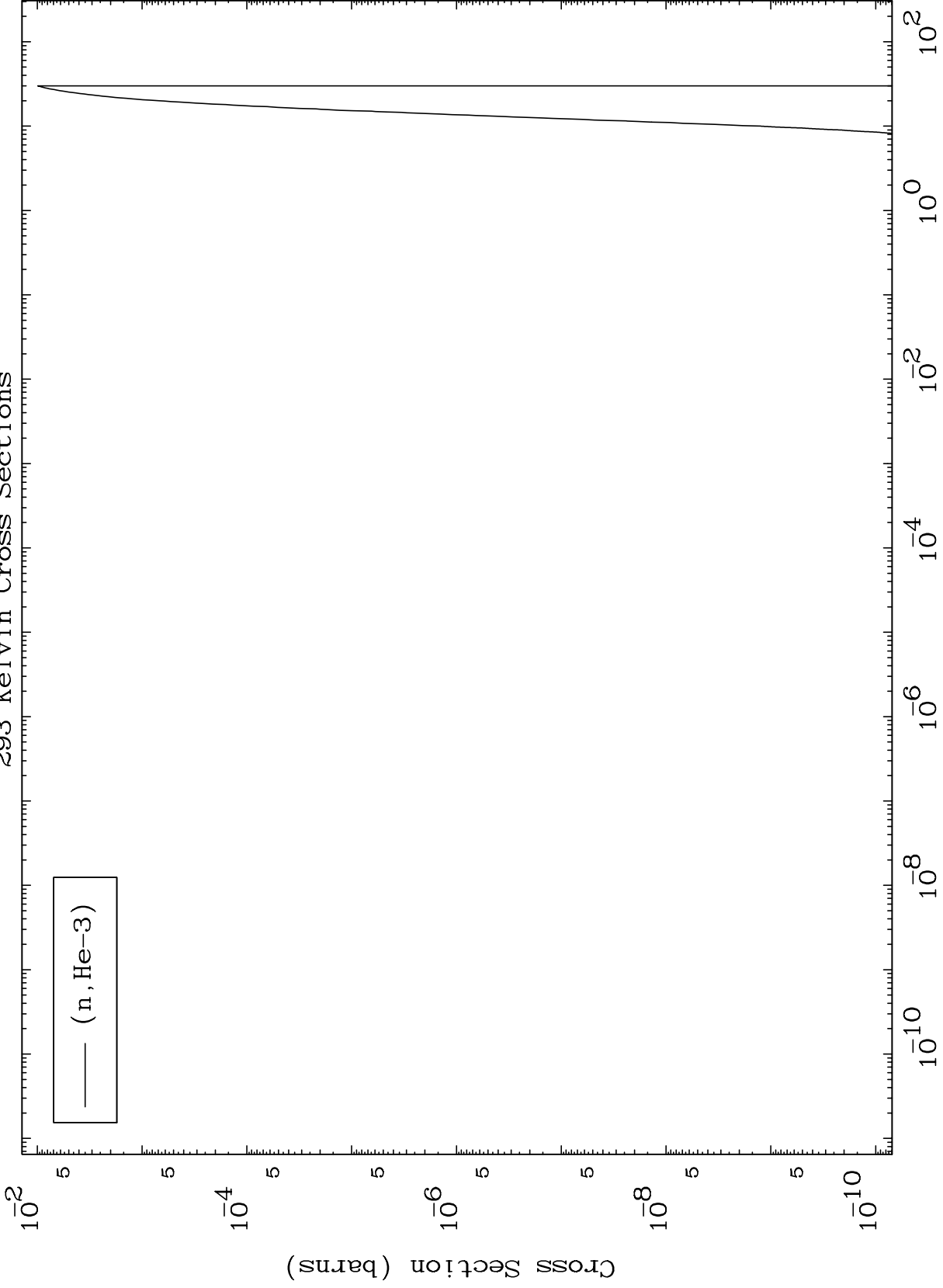
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-142

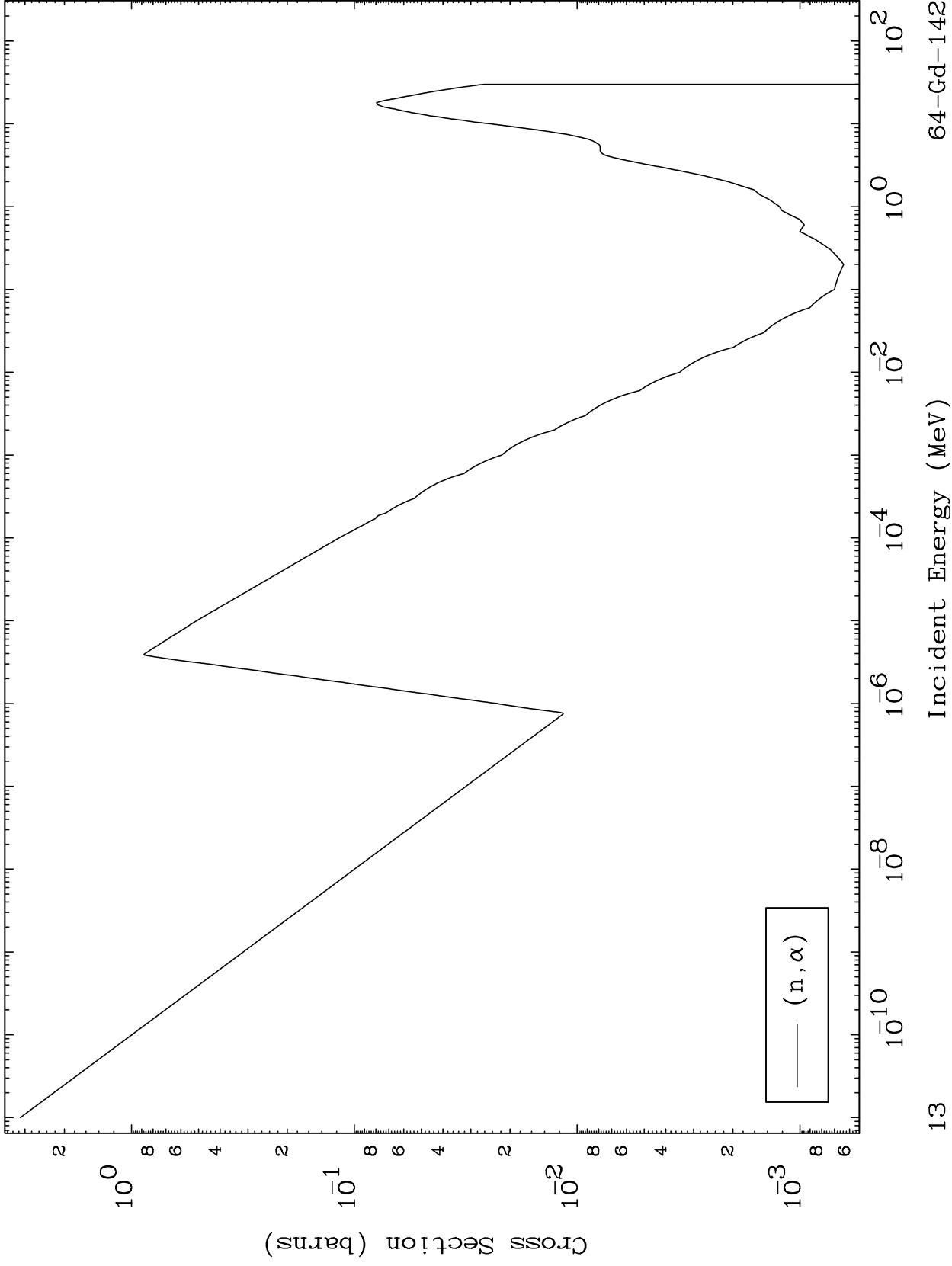


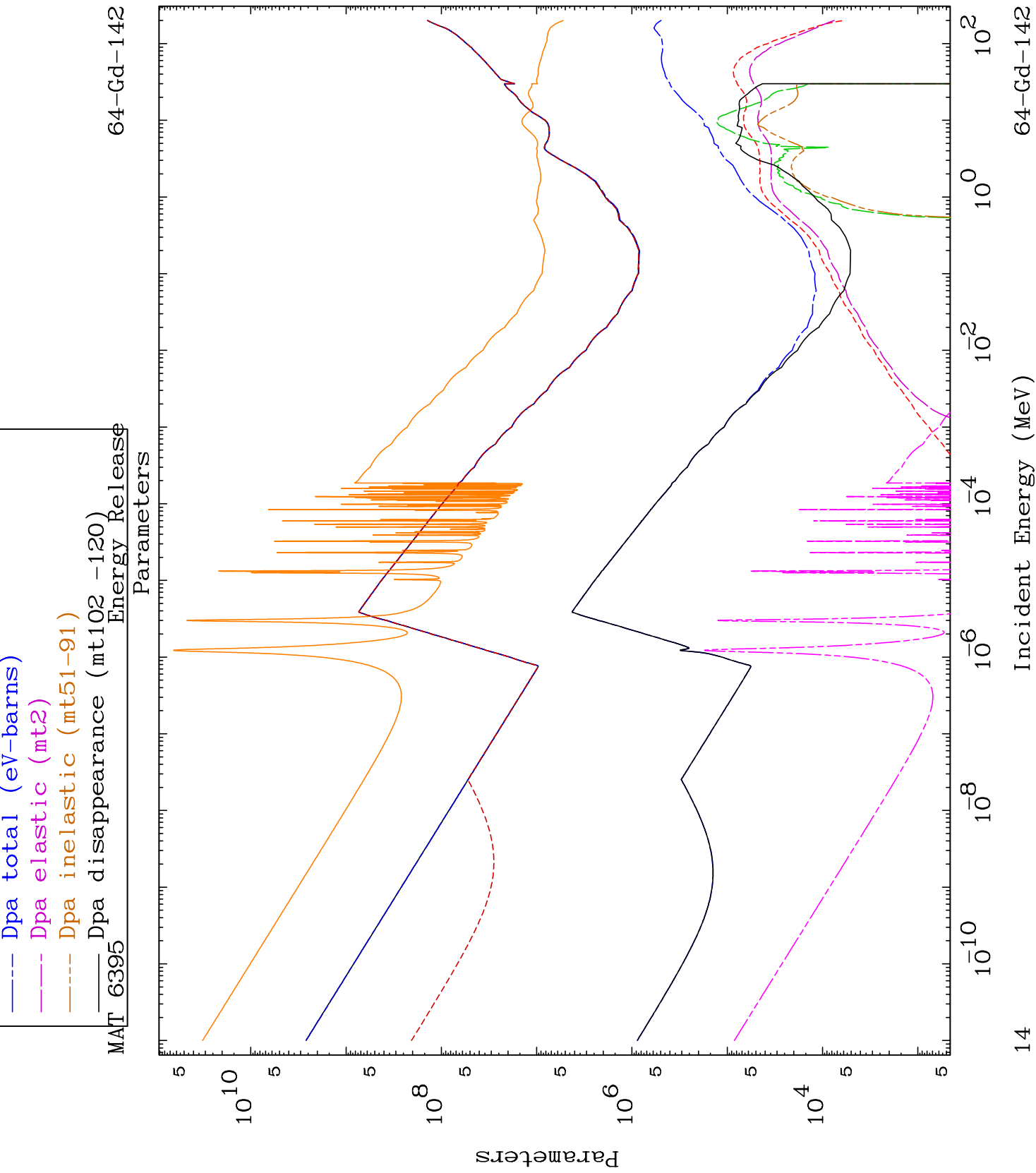
(n, He-3)

MAT 6395

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

64-Gd-142

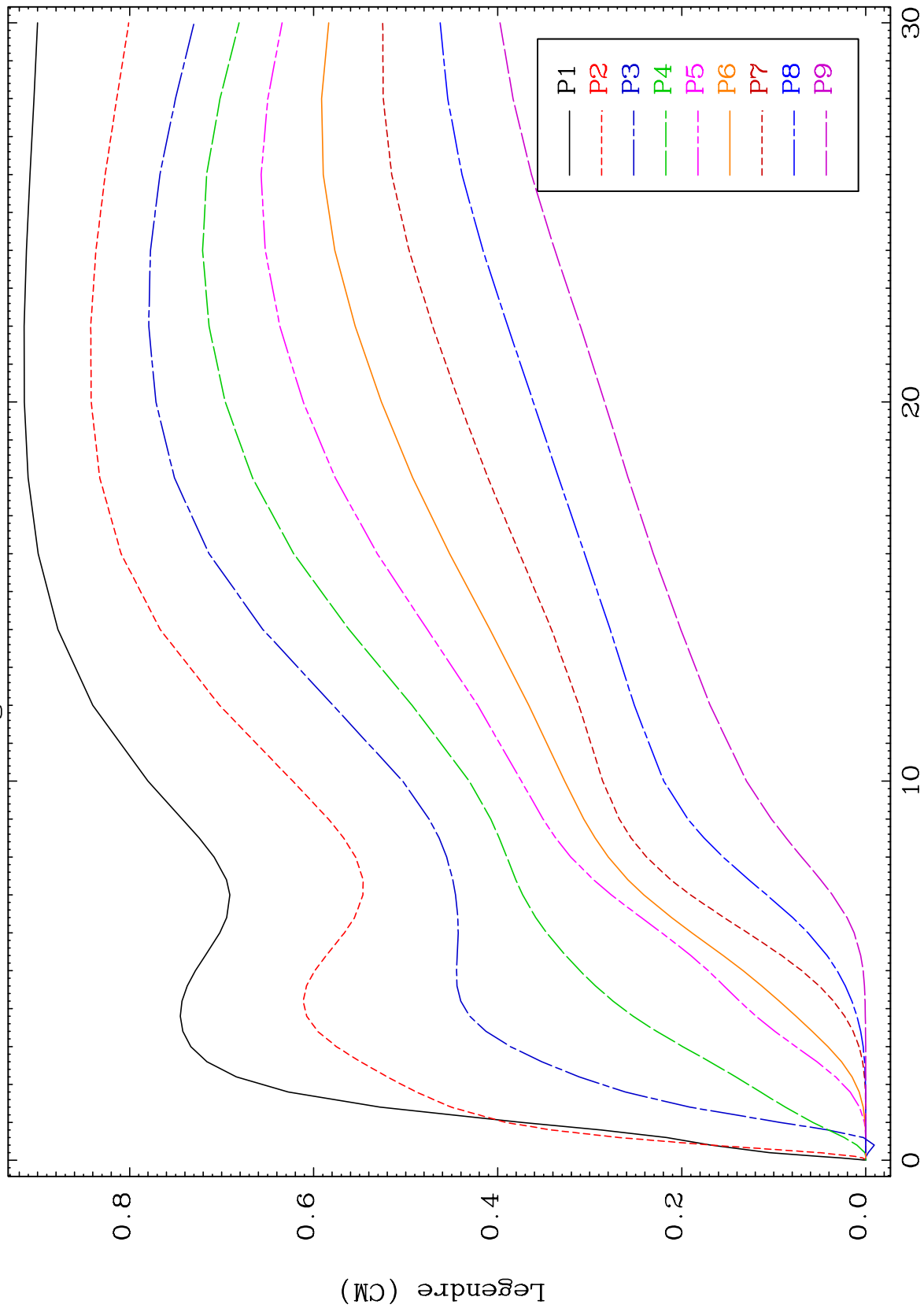




MAT 6395

Elastic Legendre Coefficients

64-Gd-142



15

Incident Energy (MeV)

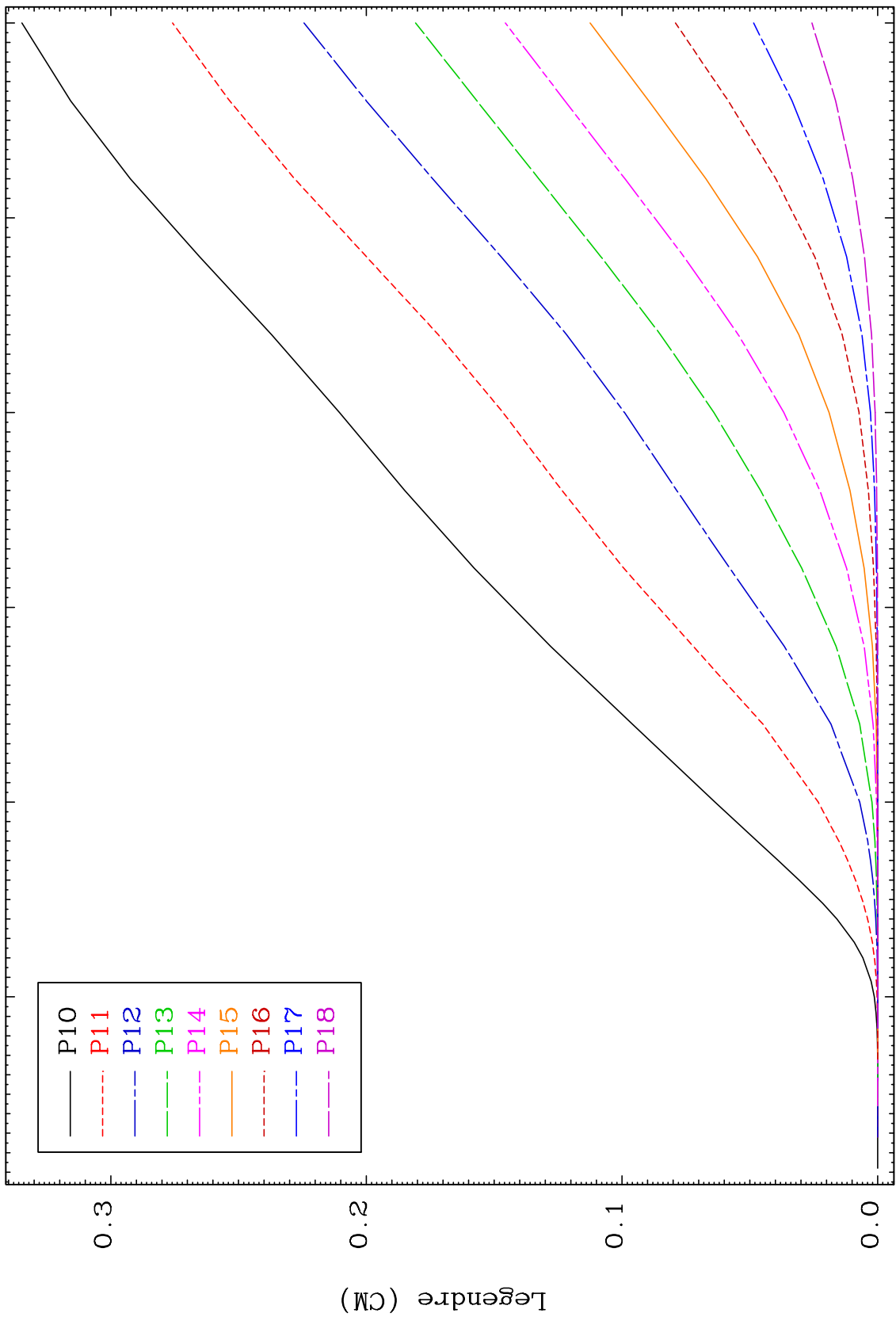
64-Gd-142



MAT 6395

Elastic Legendre Coefficients

64-Gd-142



16

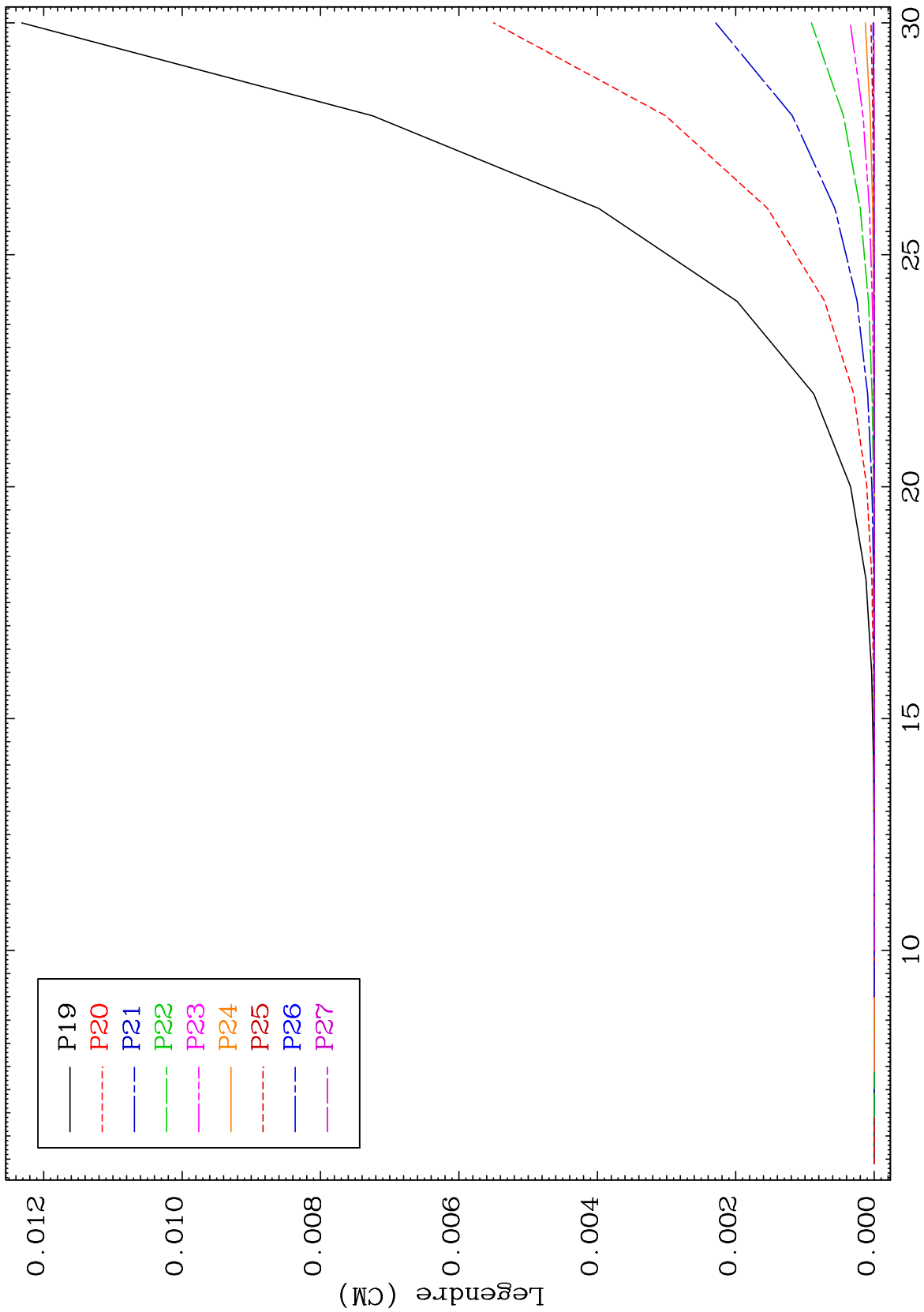
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic Legendre Coefficients

64-Gd-142



17

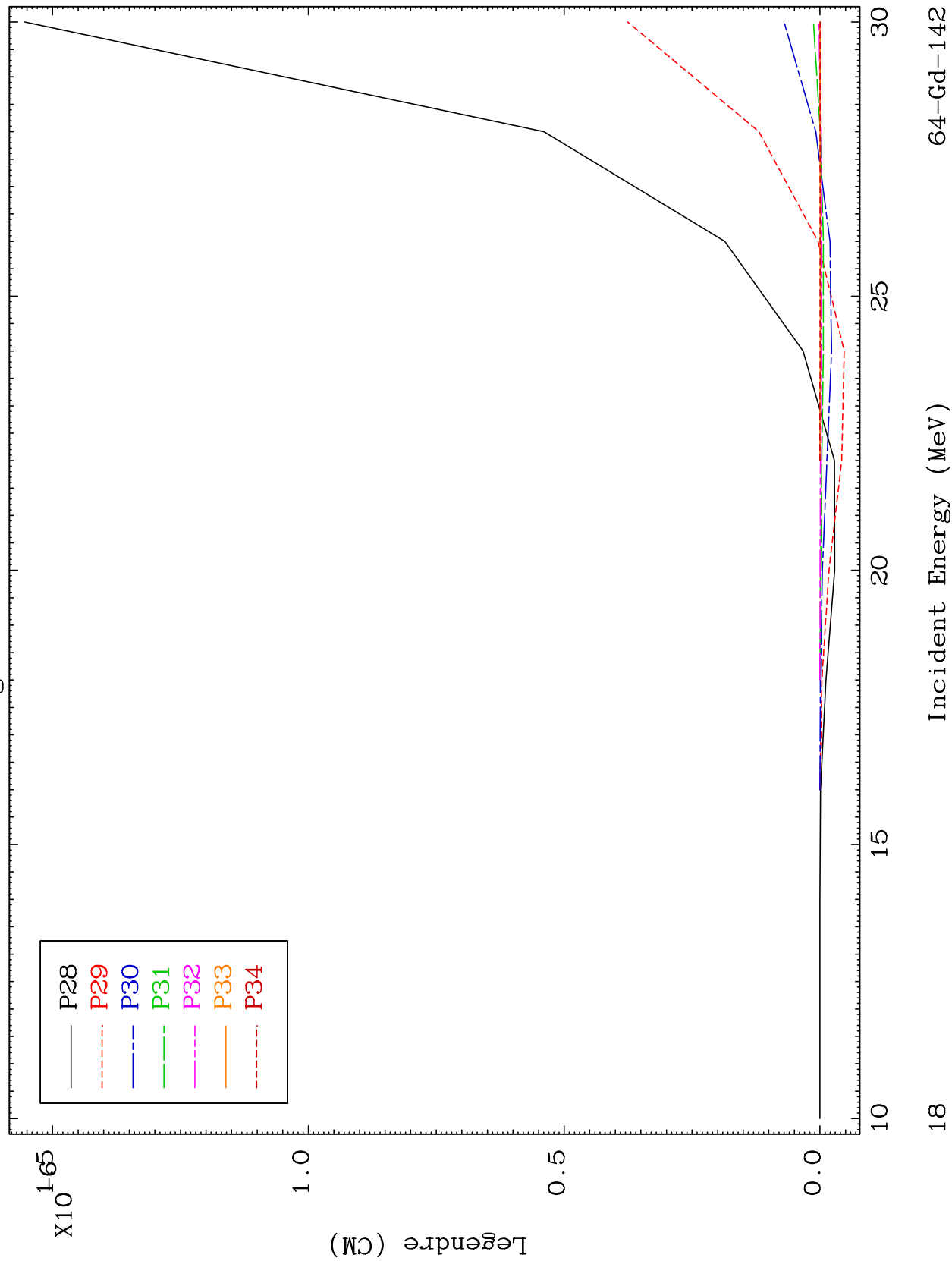
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic  
Legendre Coefficients

64-Gd-142



64-Gd-142

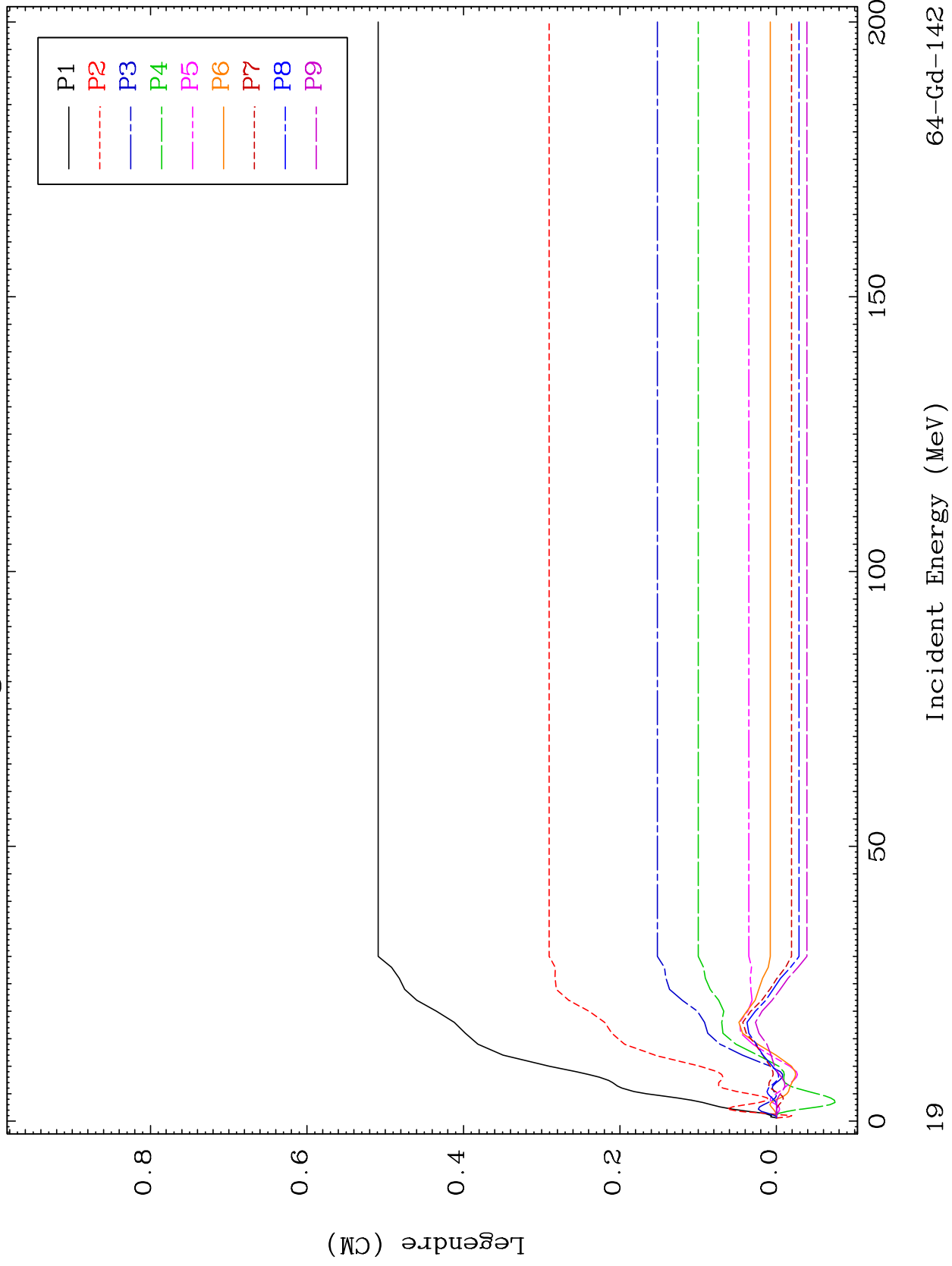
Incident Energy (MeV)

18

MAT 6395

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

64-Gd-142

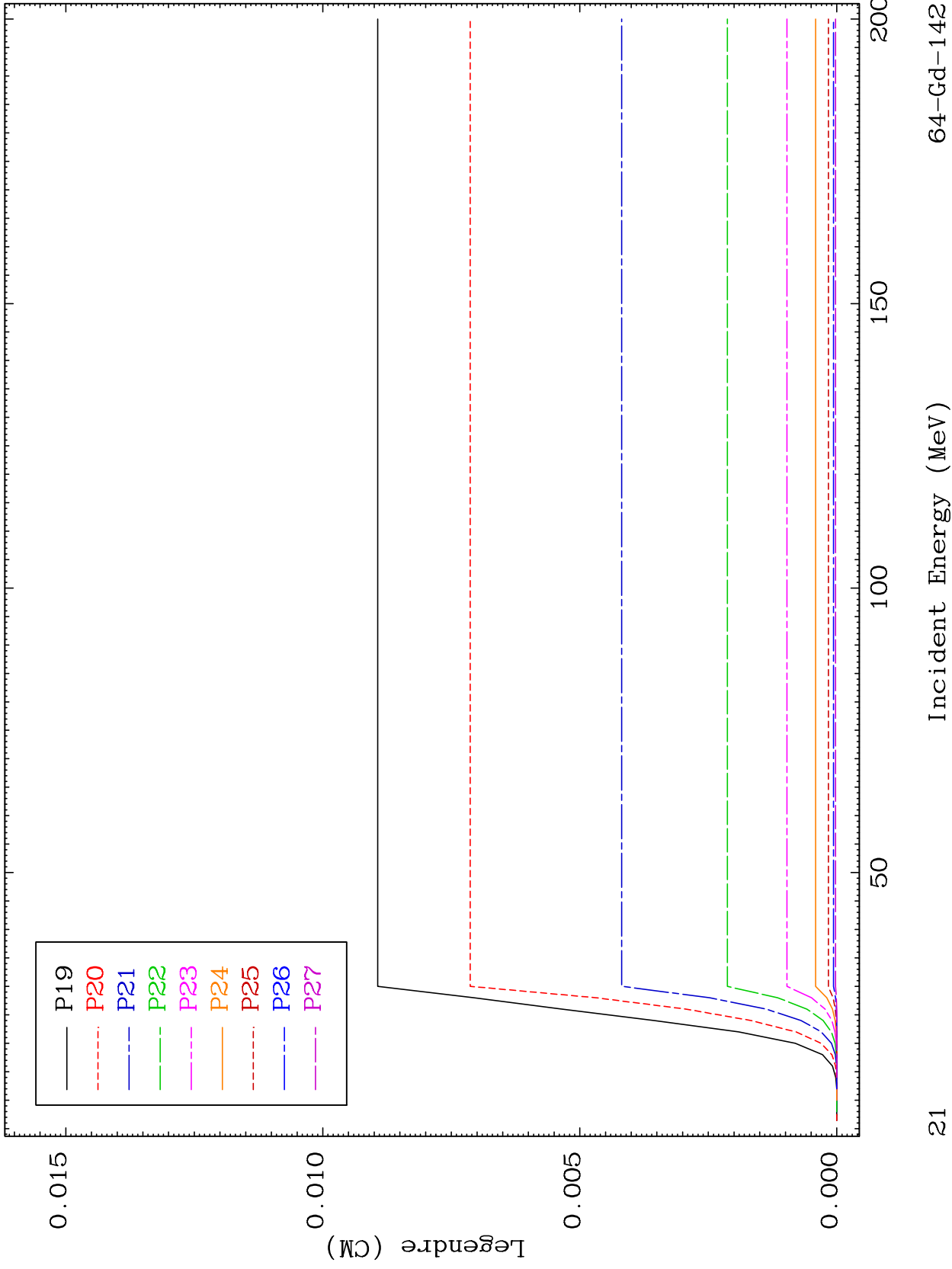




MAT 6395

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

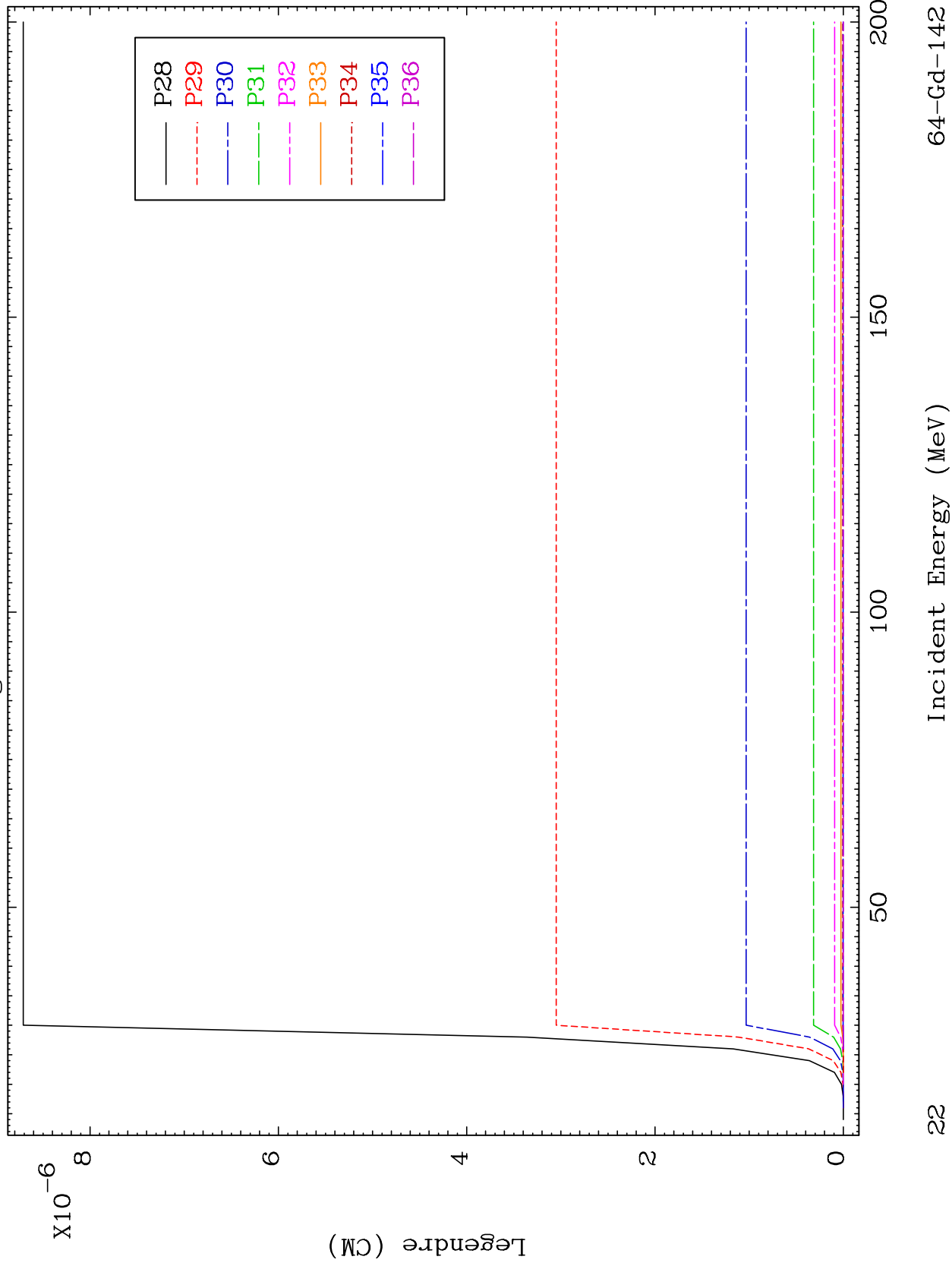
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MAT 6395

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

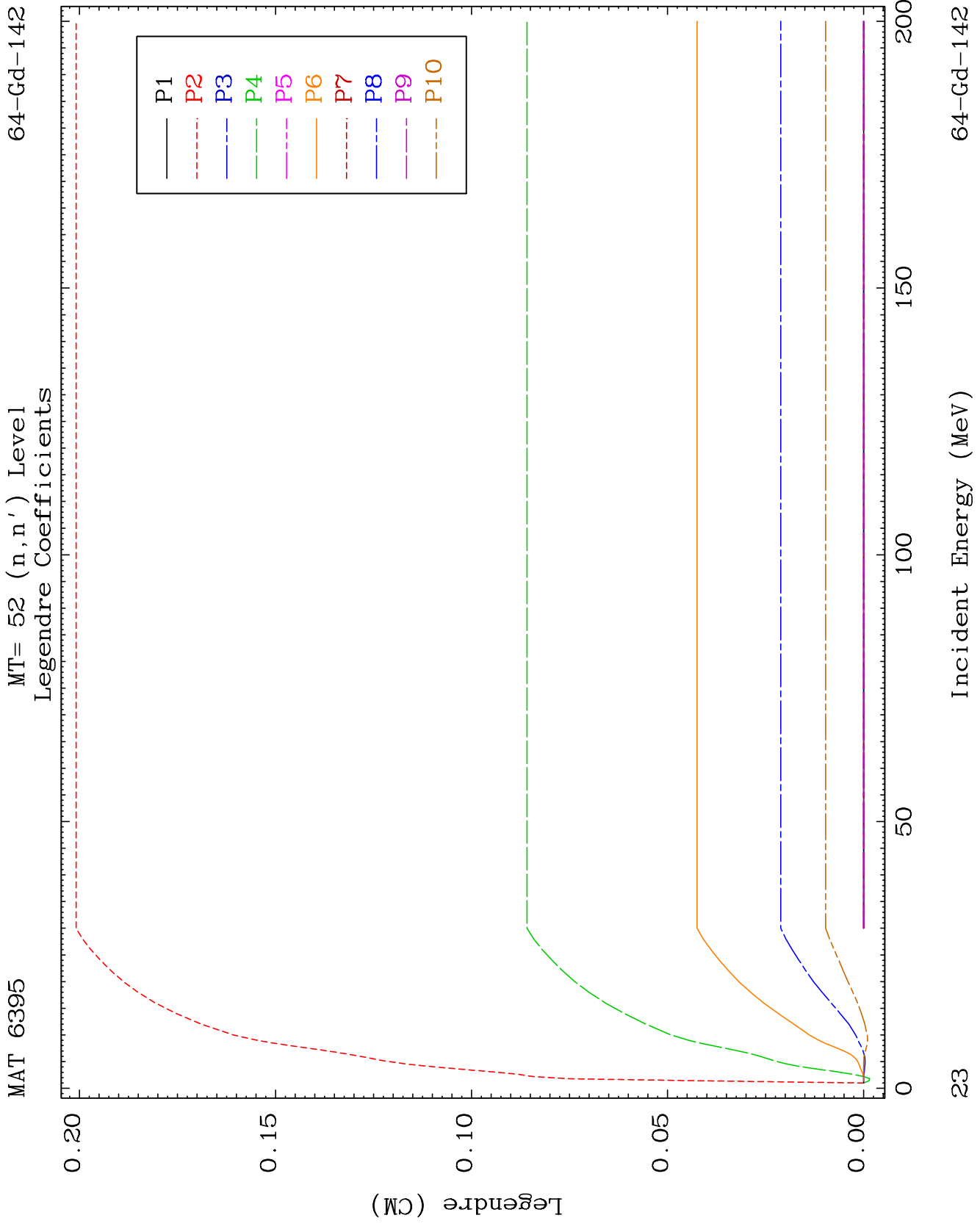
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22

Incident Energy (MeV)

64-Gd-142

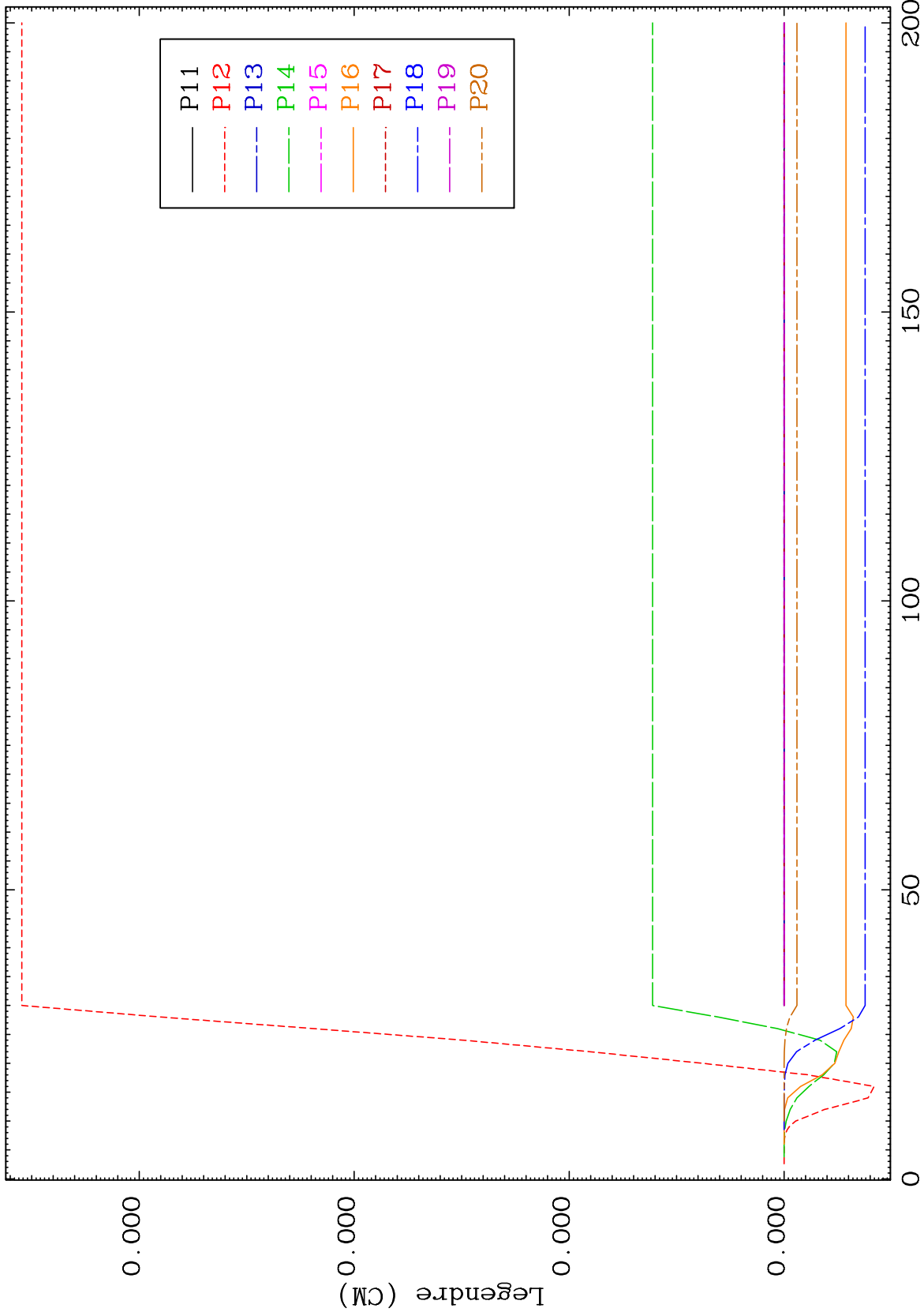




MAT 6395

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

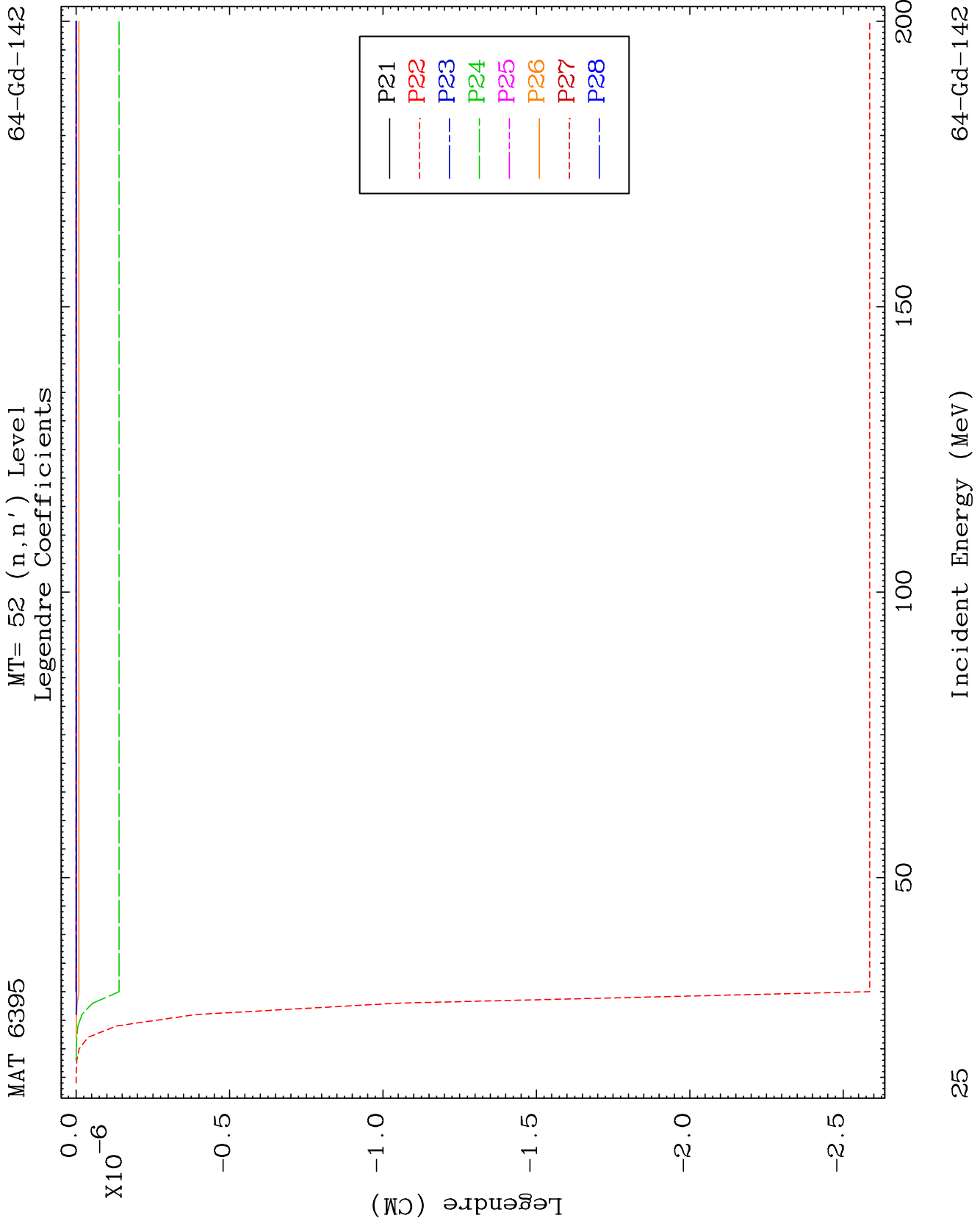
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24

Incident Energy (MeV)

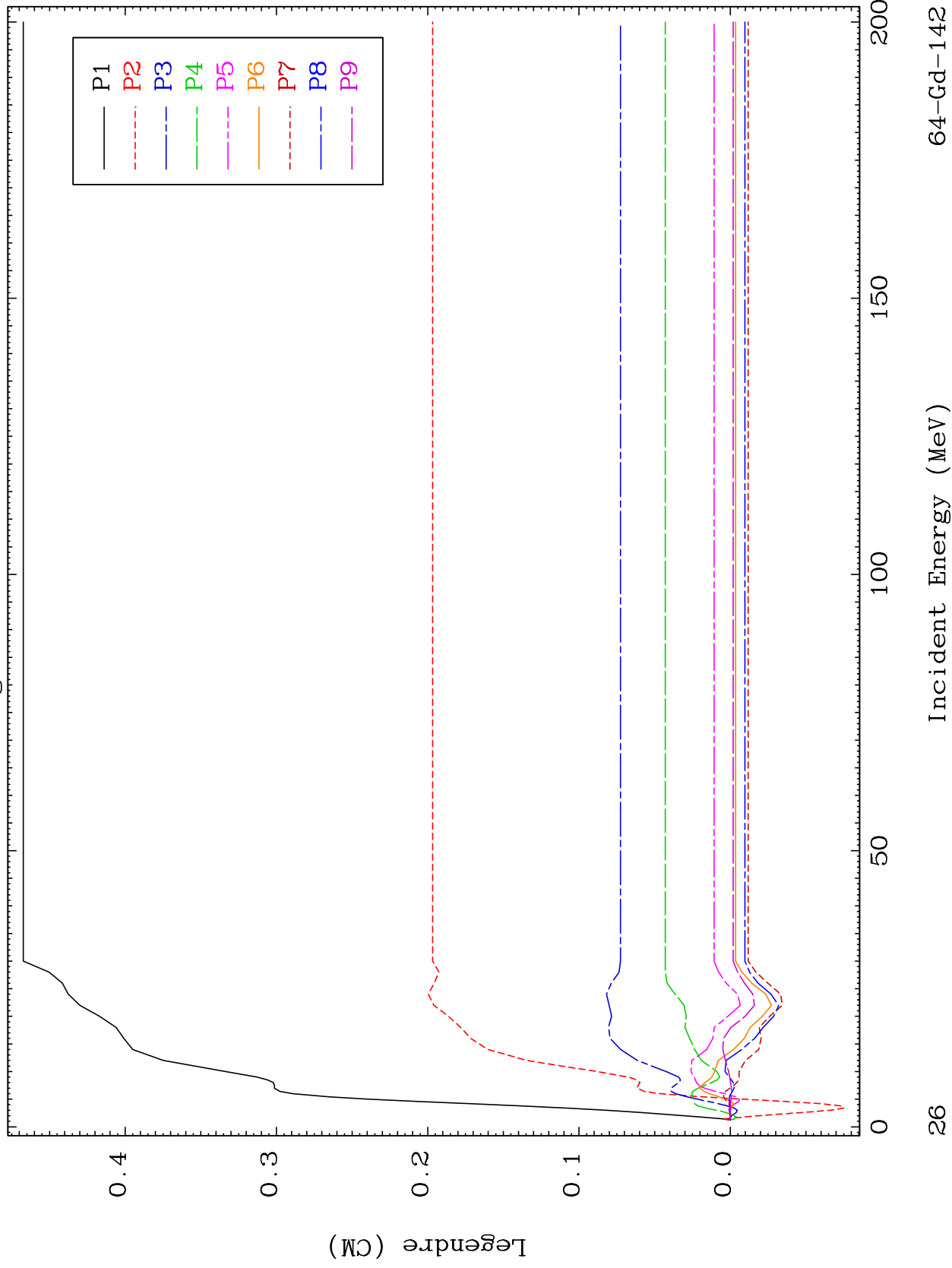
64-Gd-142



MAT 6395

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

64-Gd-142



64-Gd-142

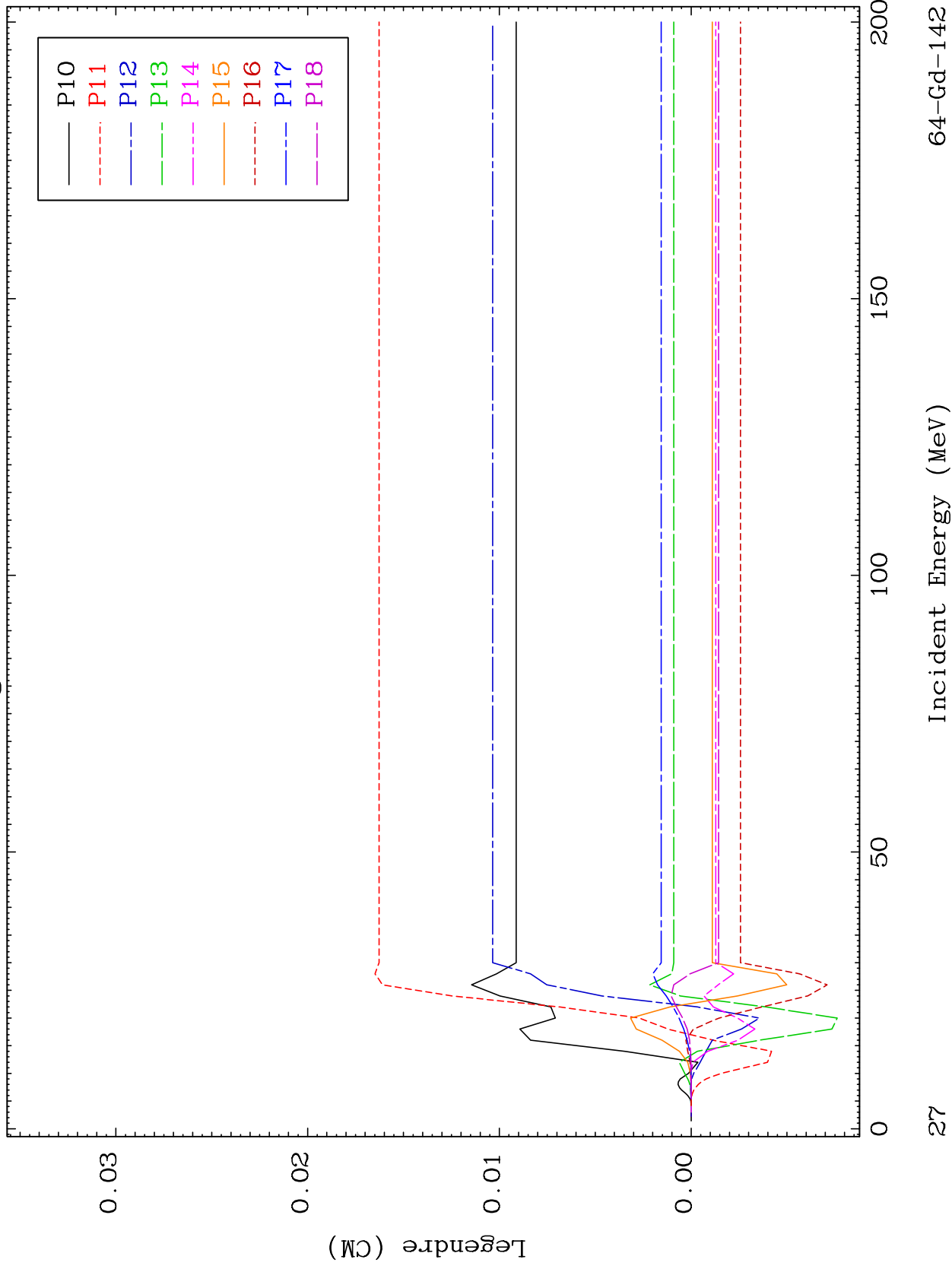
Incident Energy (MeV)

26

MAT 6395

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

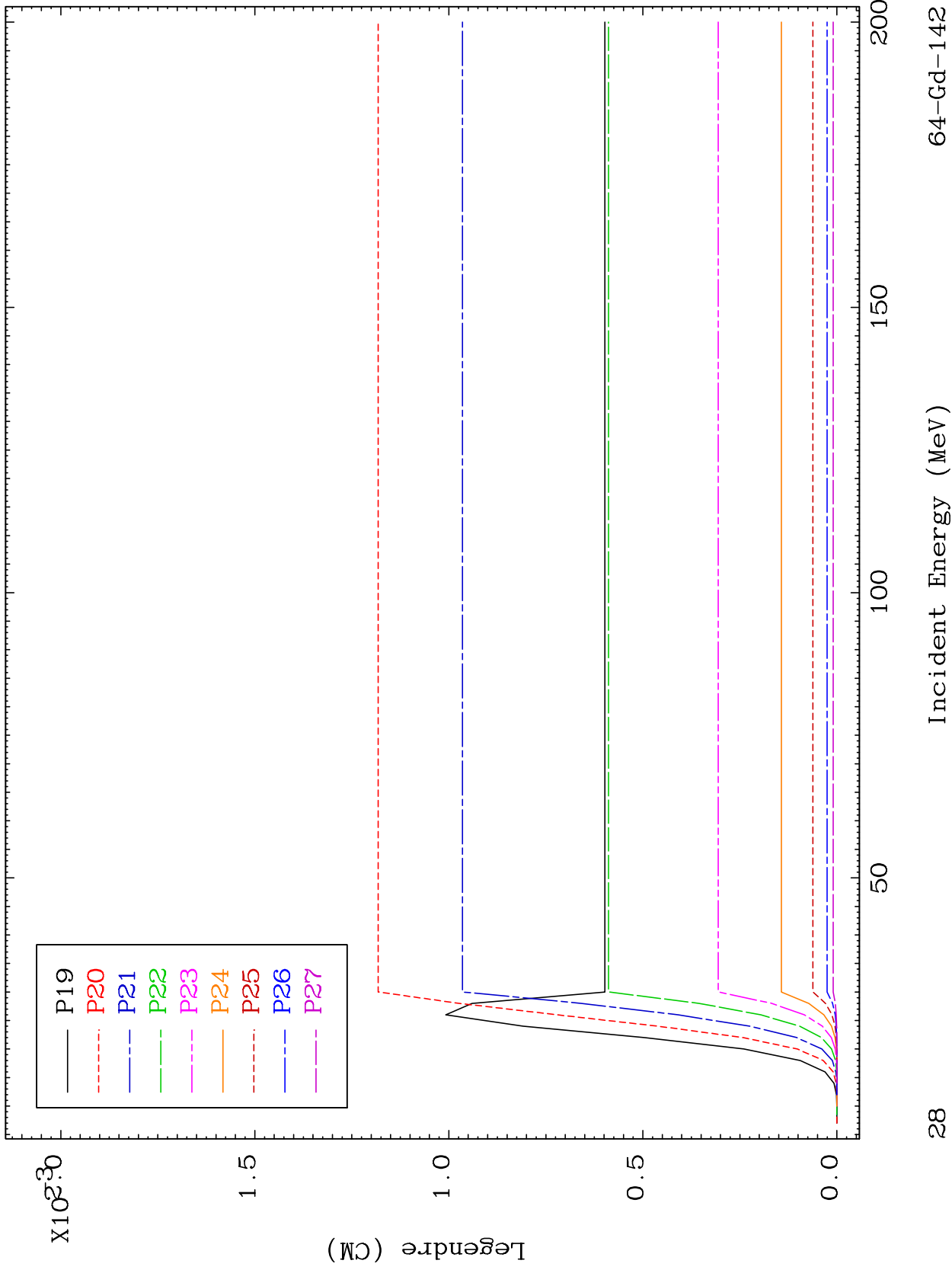
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27

Incident Energy (MeV)

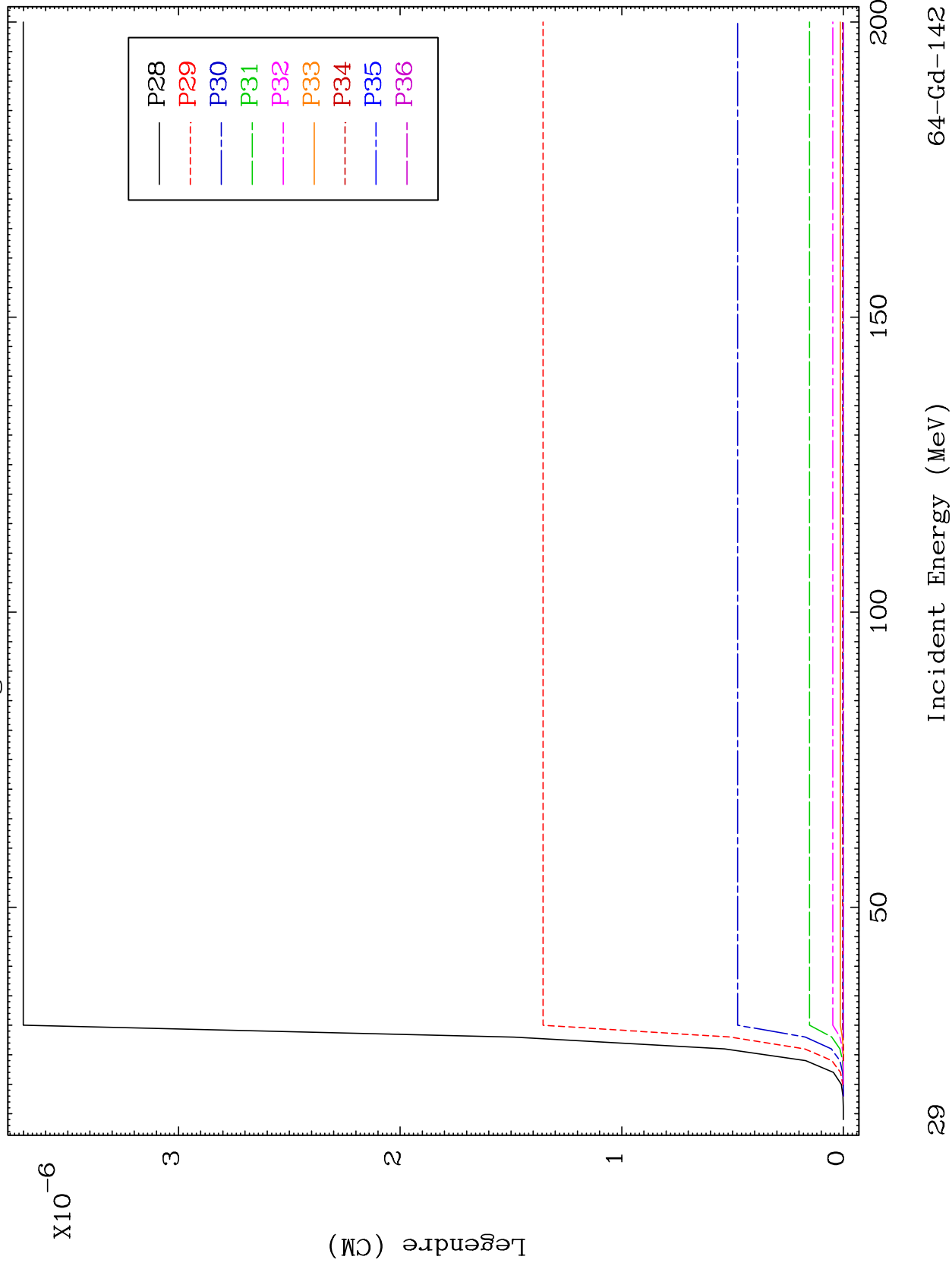
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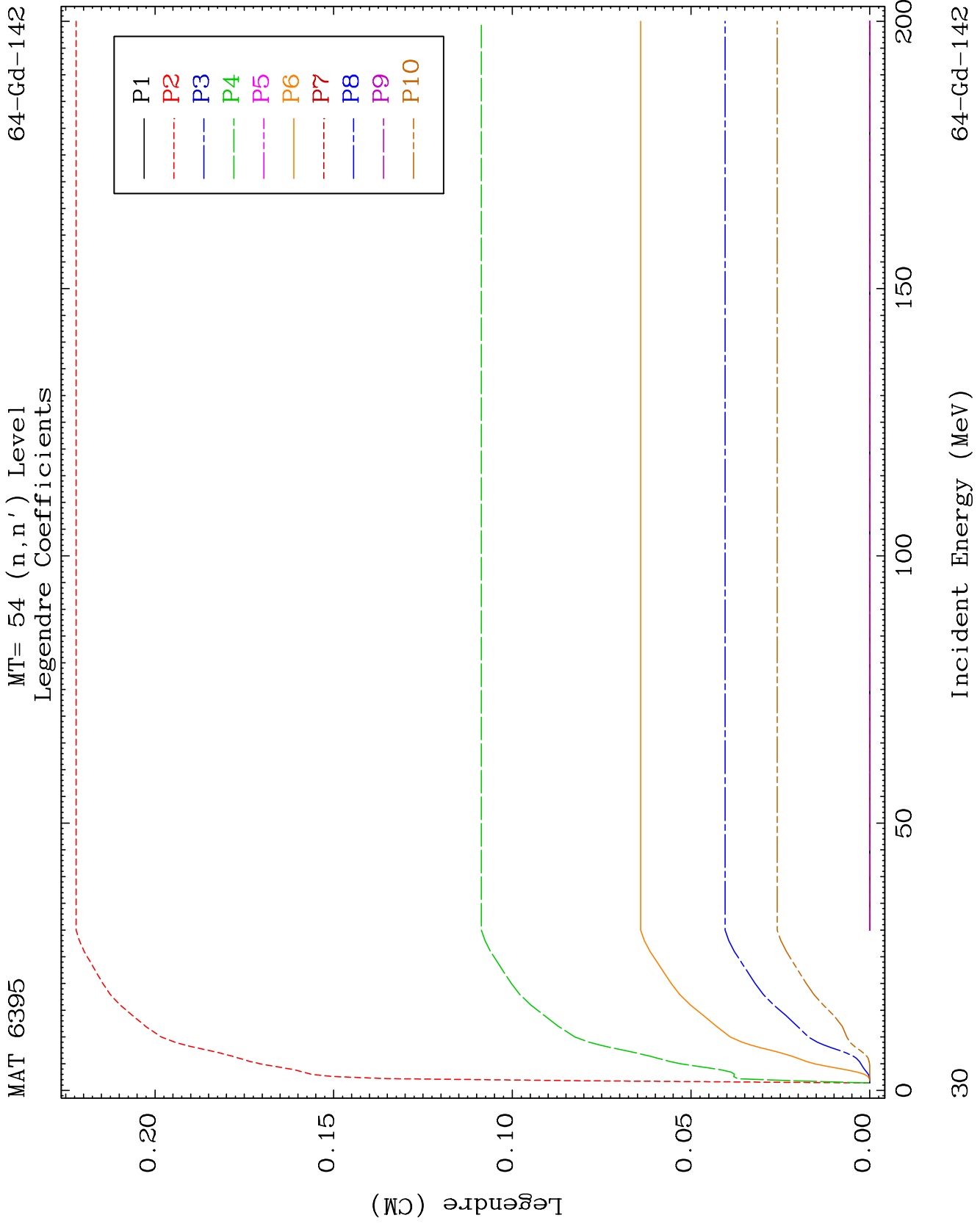
MAT 6395

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

64-Gd-142



29

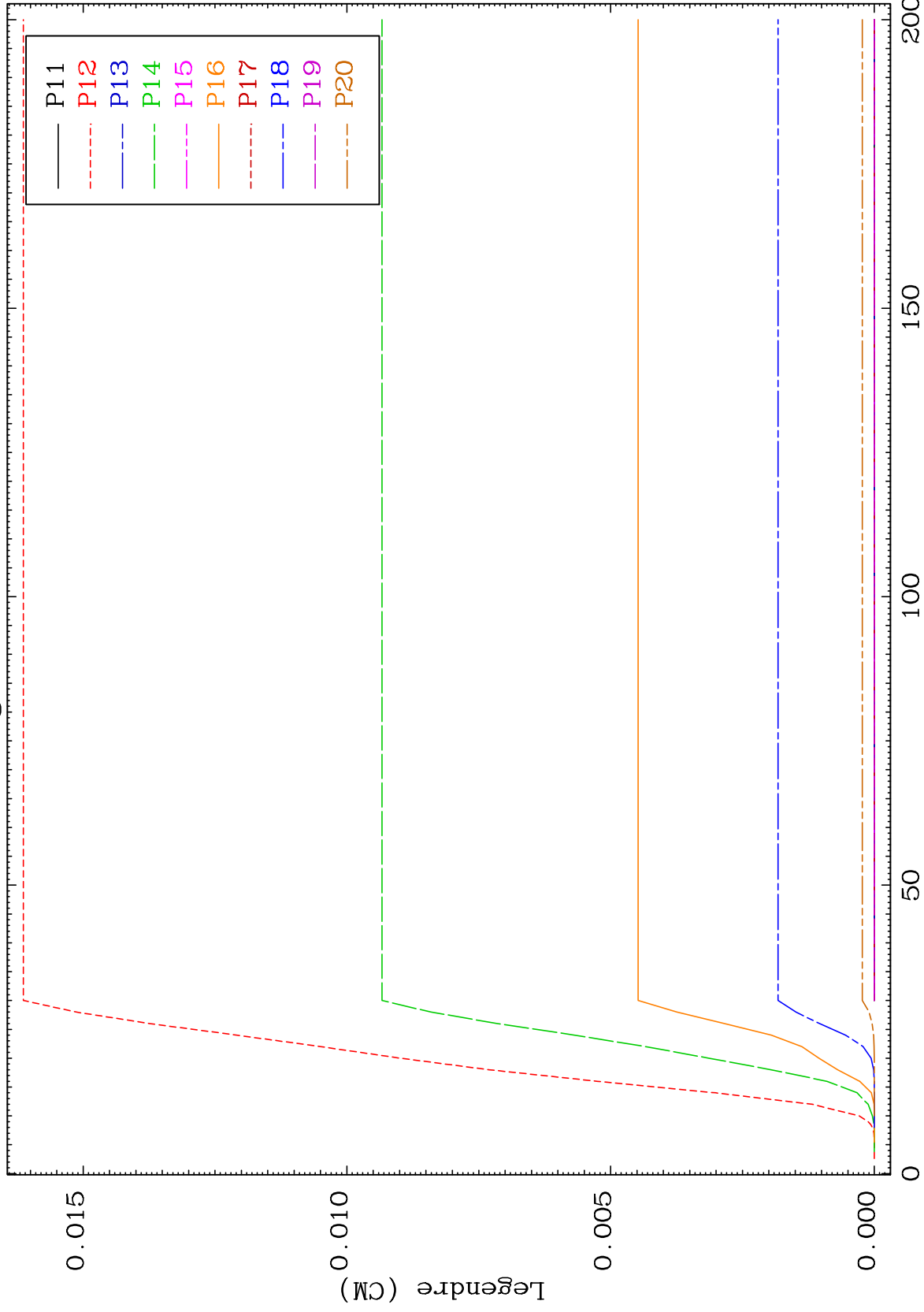


MAT 6395

MT= 54 (n,n') Level

64-Gd-142

Legendre Coefficients



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Incident Energy (MeV)

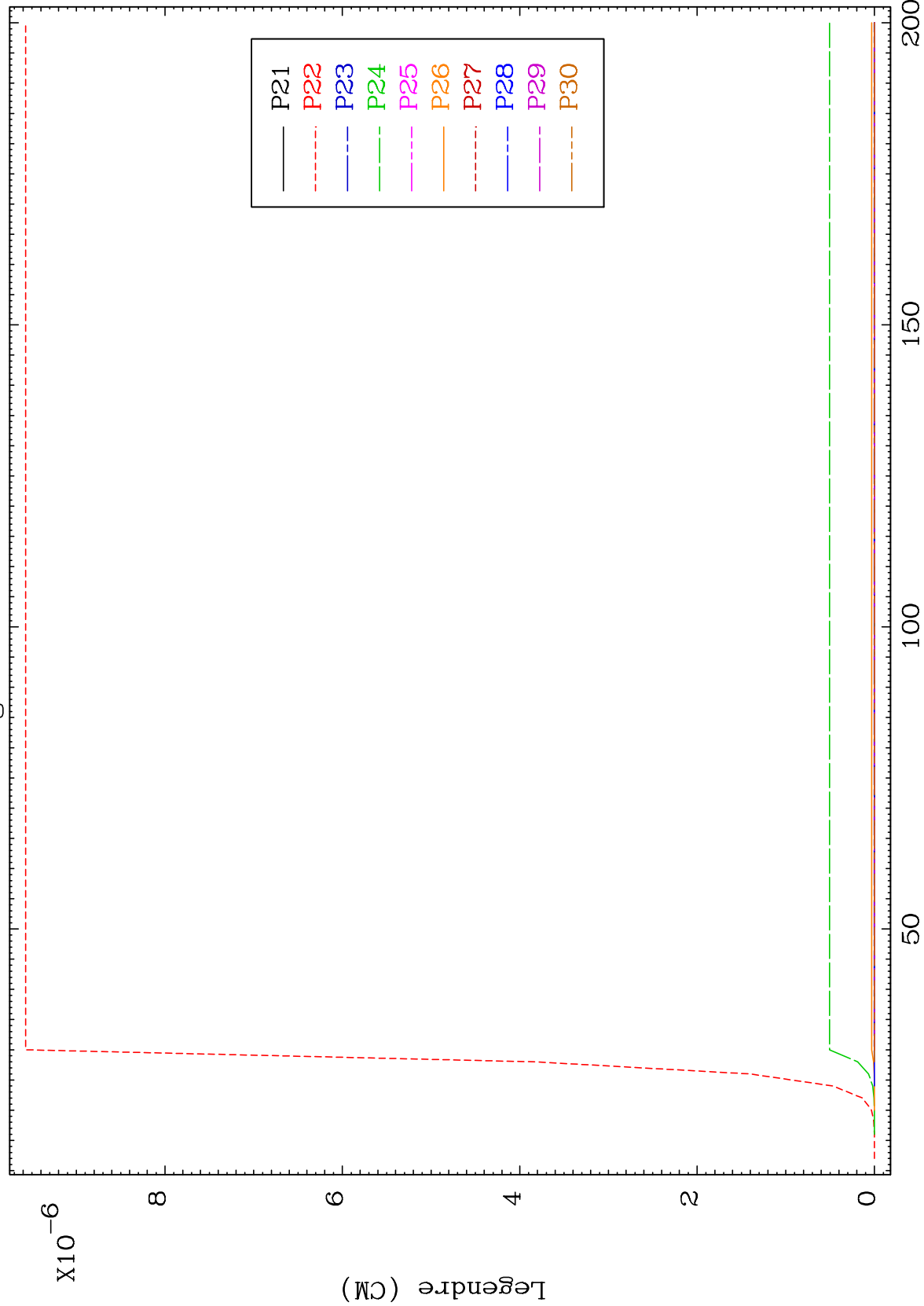
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MAT 6395

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

64-Gd-142



32

Incident Energy (MeV)

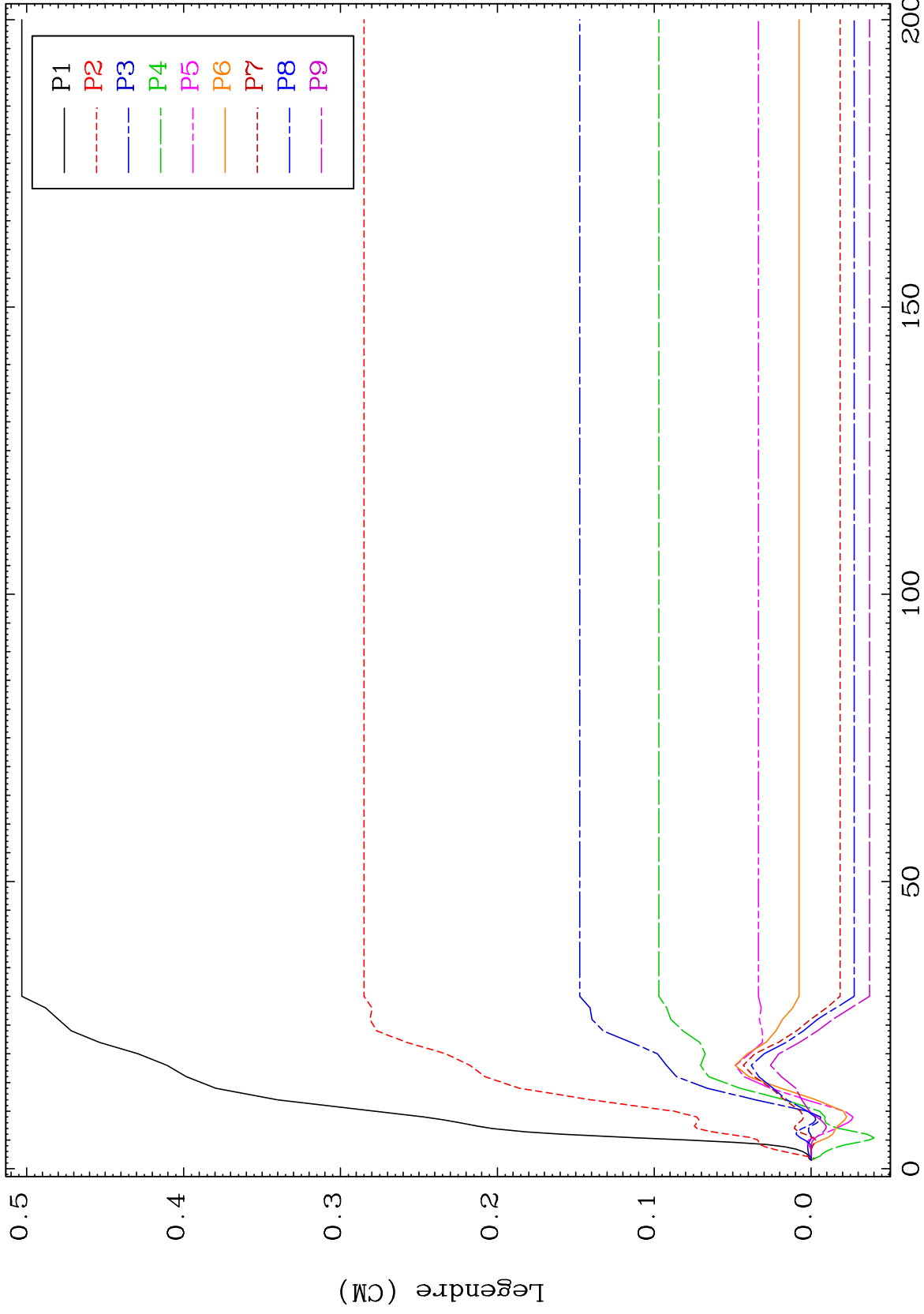
64-Gd-142

MAT 6395

MT= 55 (n,n') Level

64-Gd-142

Legendre Coefficients



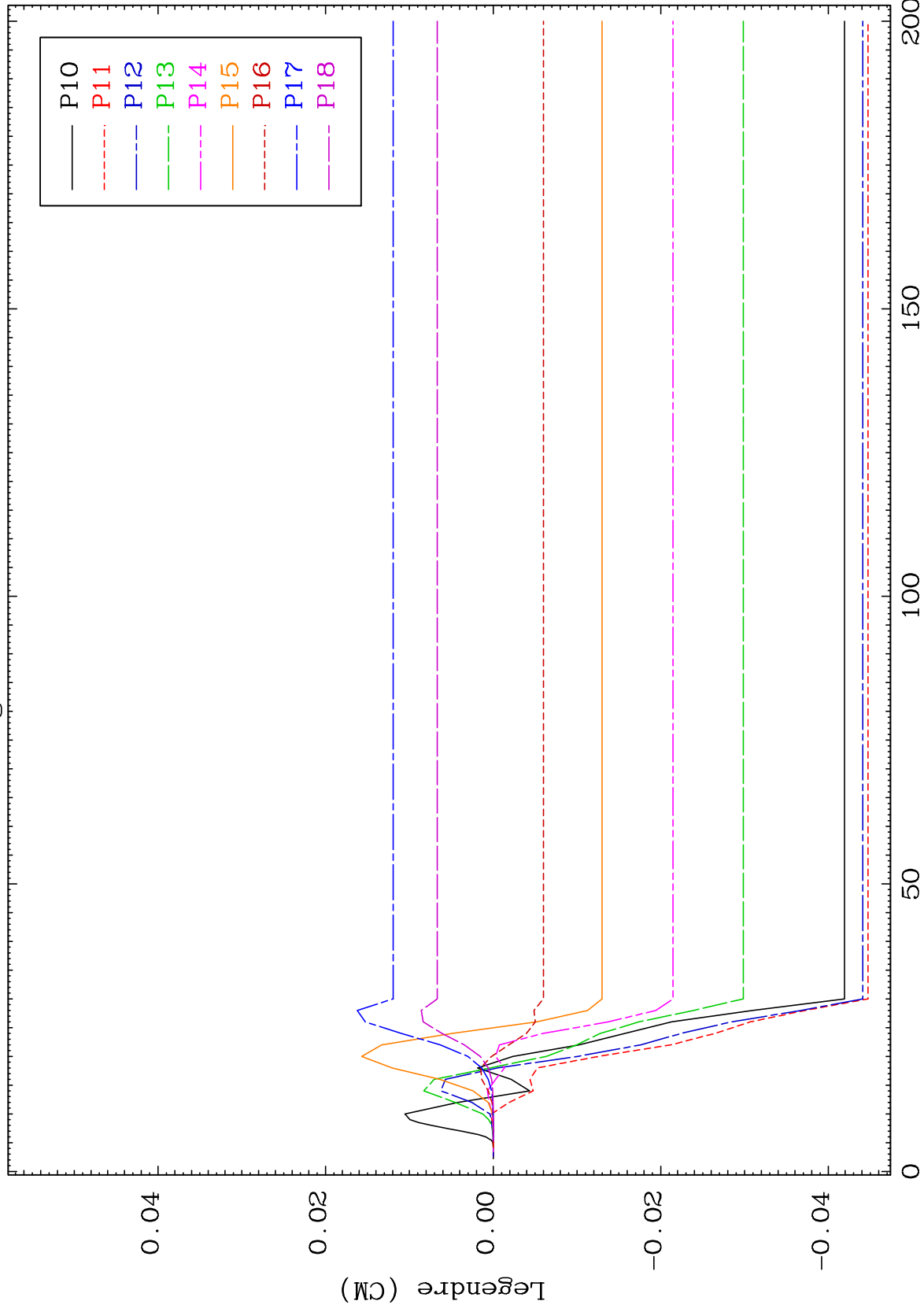
33

64-Gd-142

MAT 6395

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

64-Gd-142



34

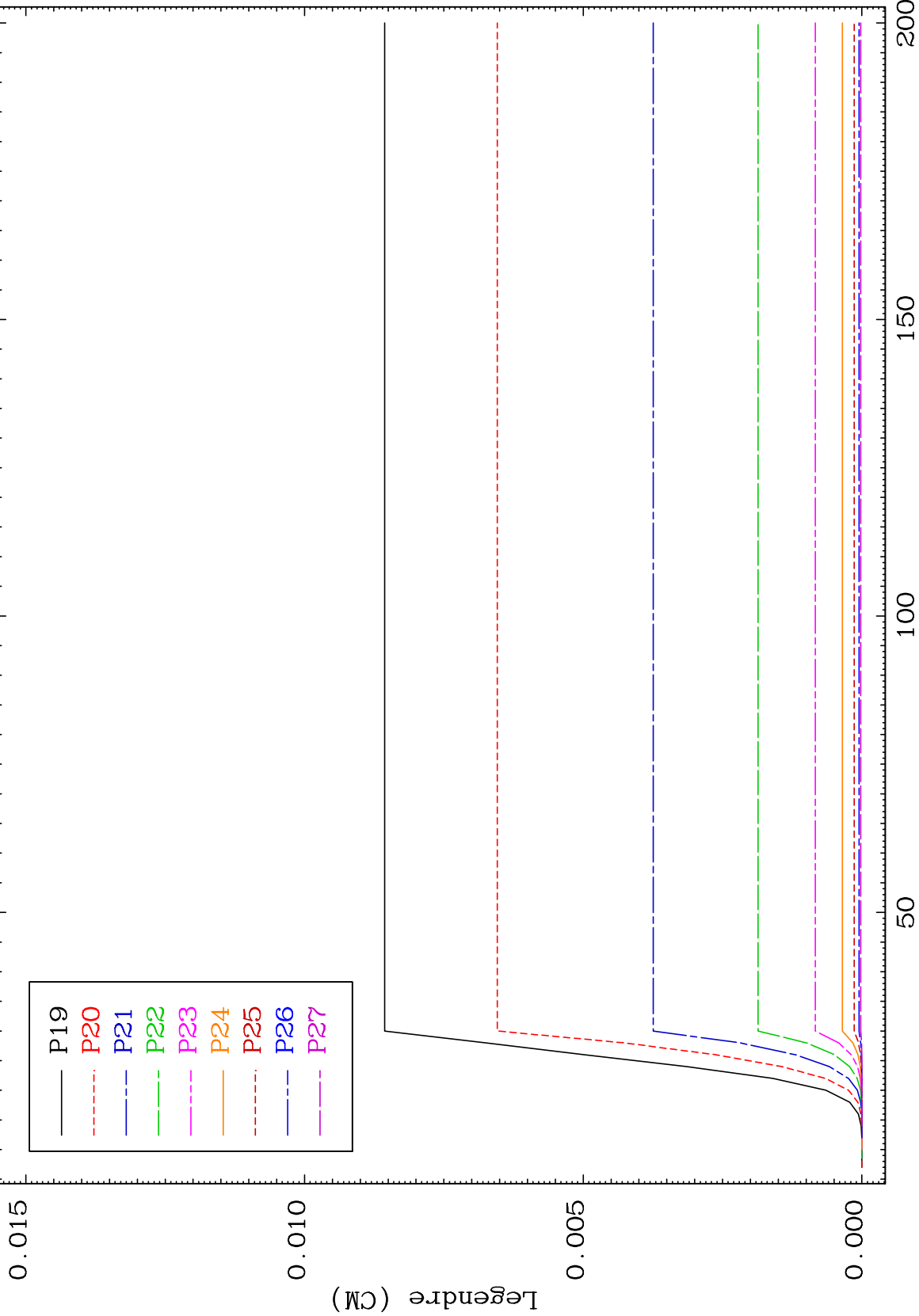
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



35

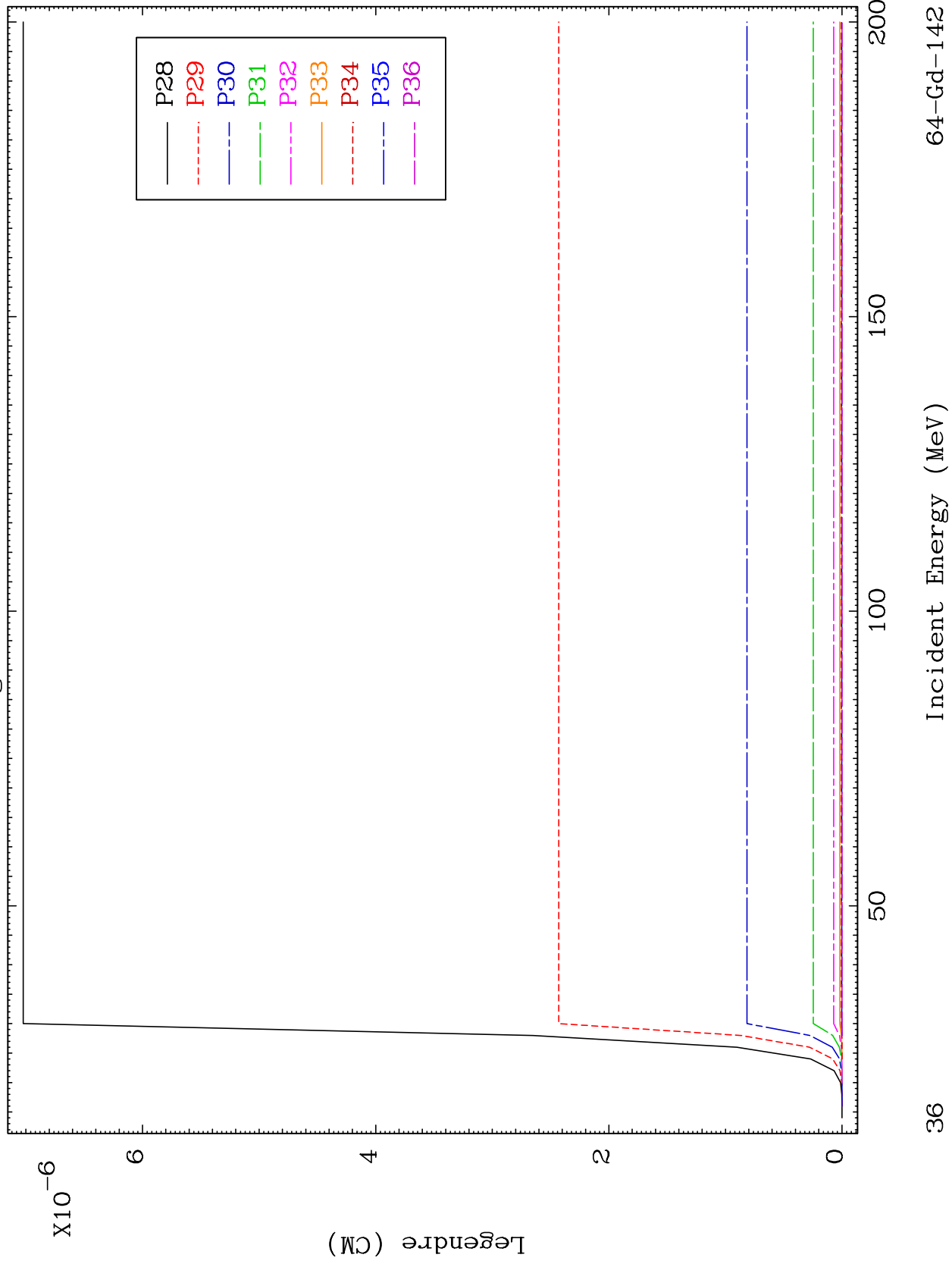
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



36

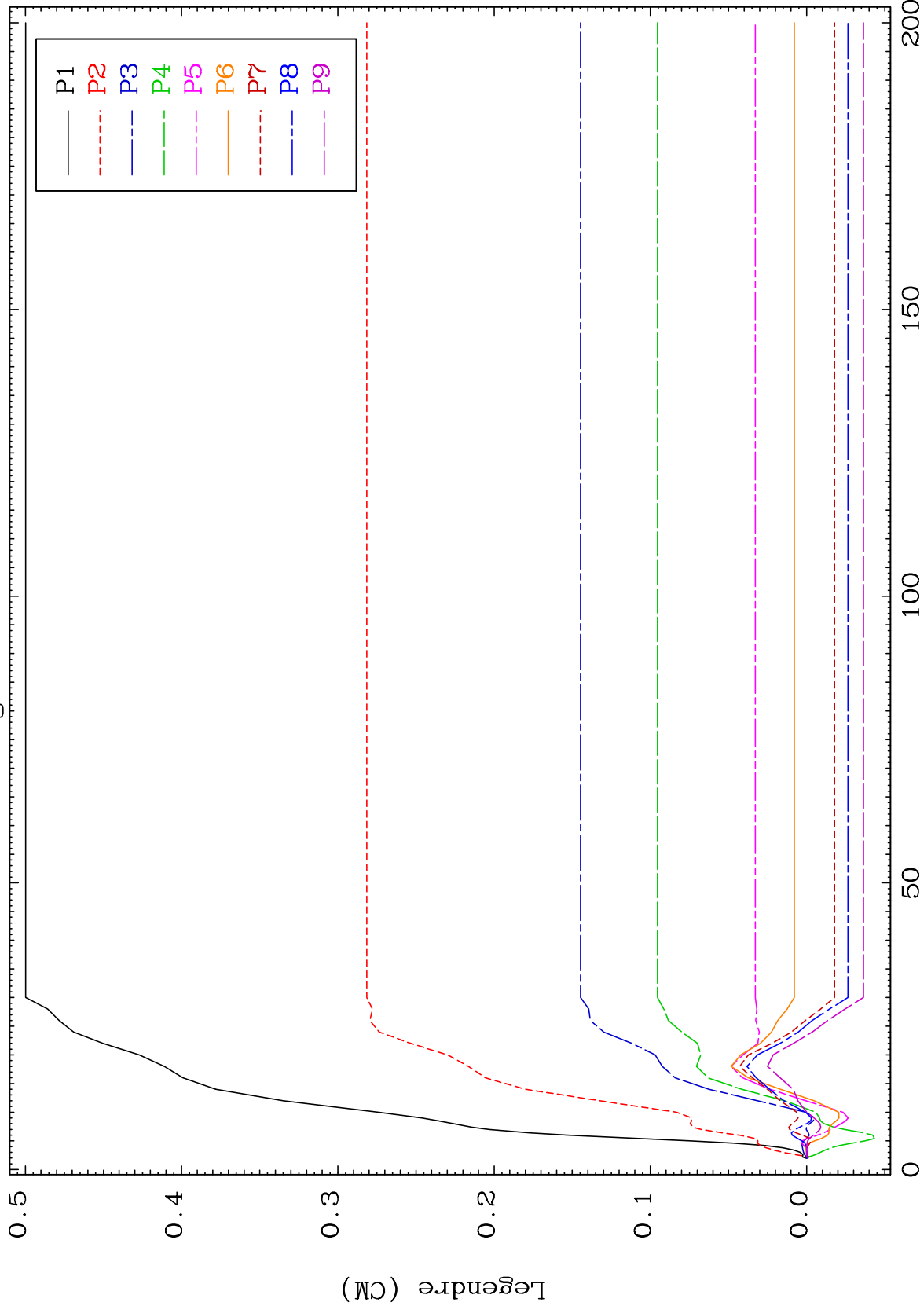
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



37

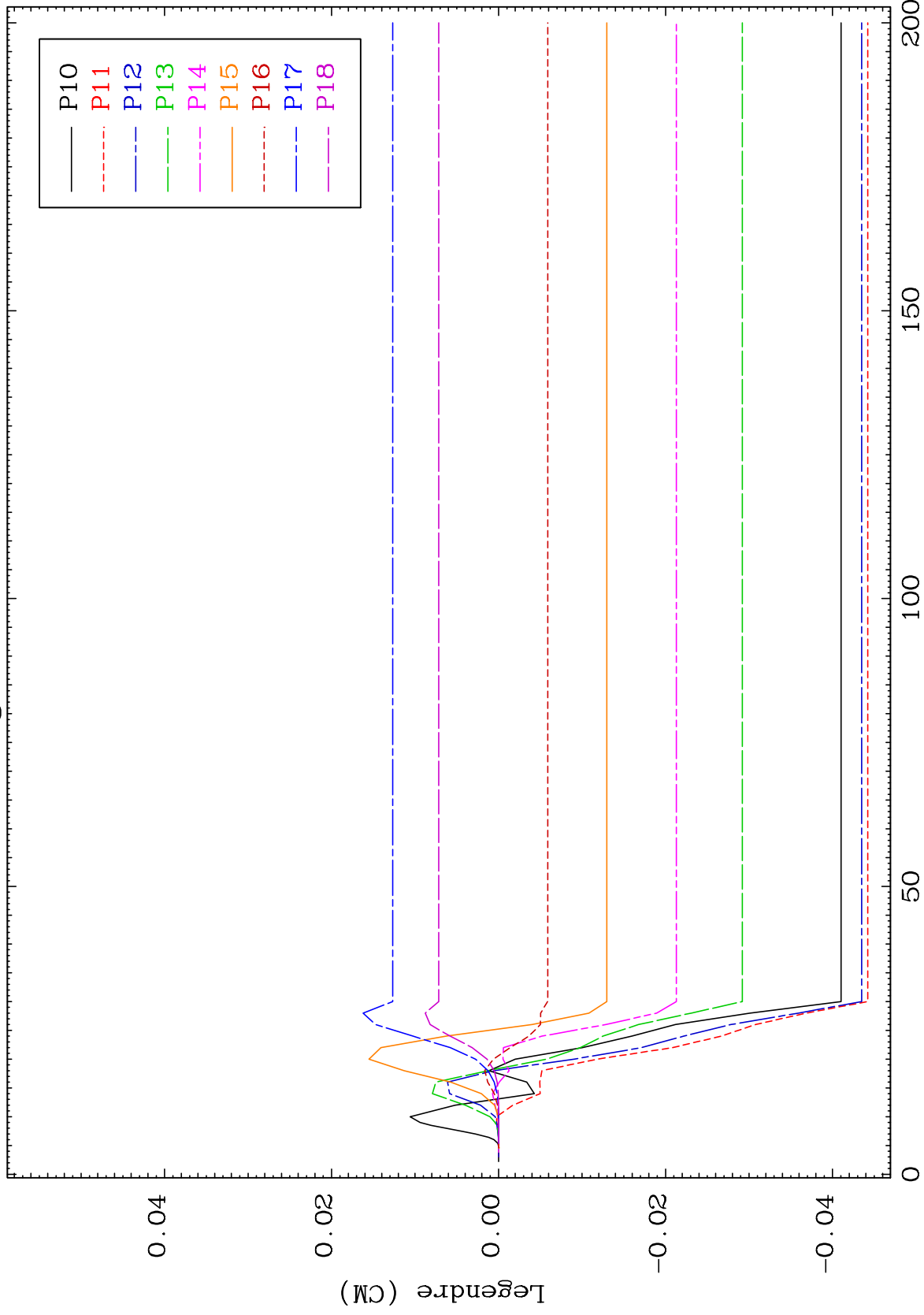
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



38

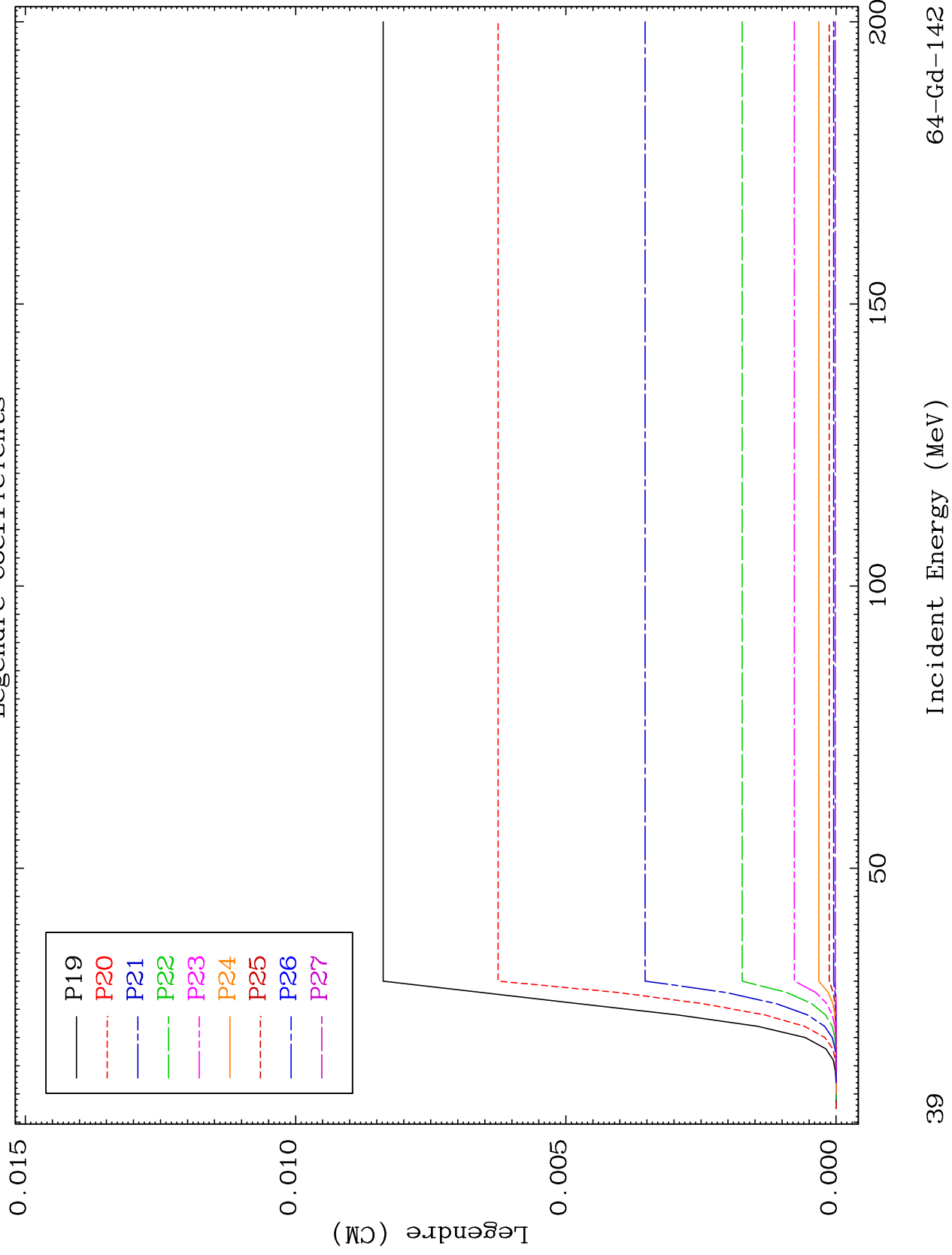
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



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Incident Energy (MeV)

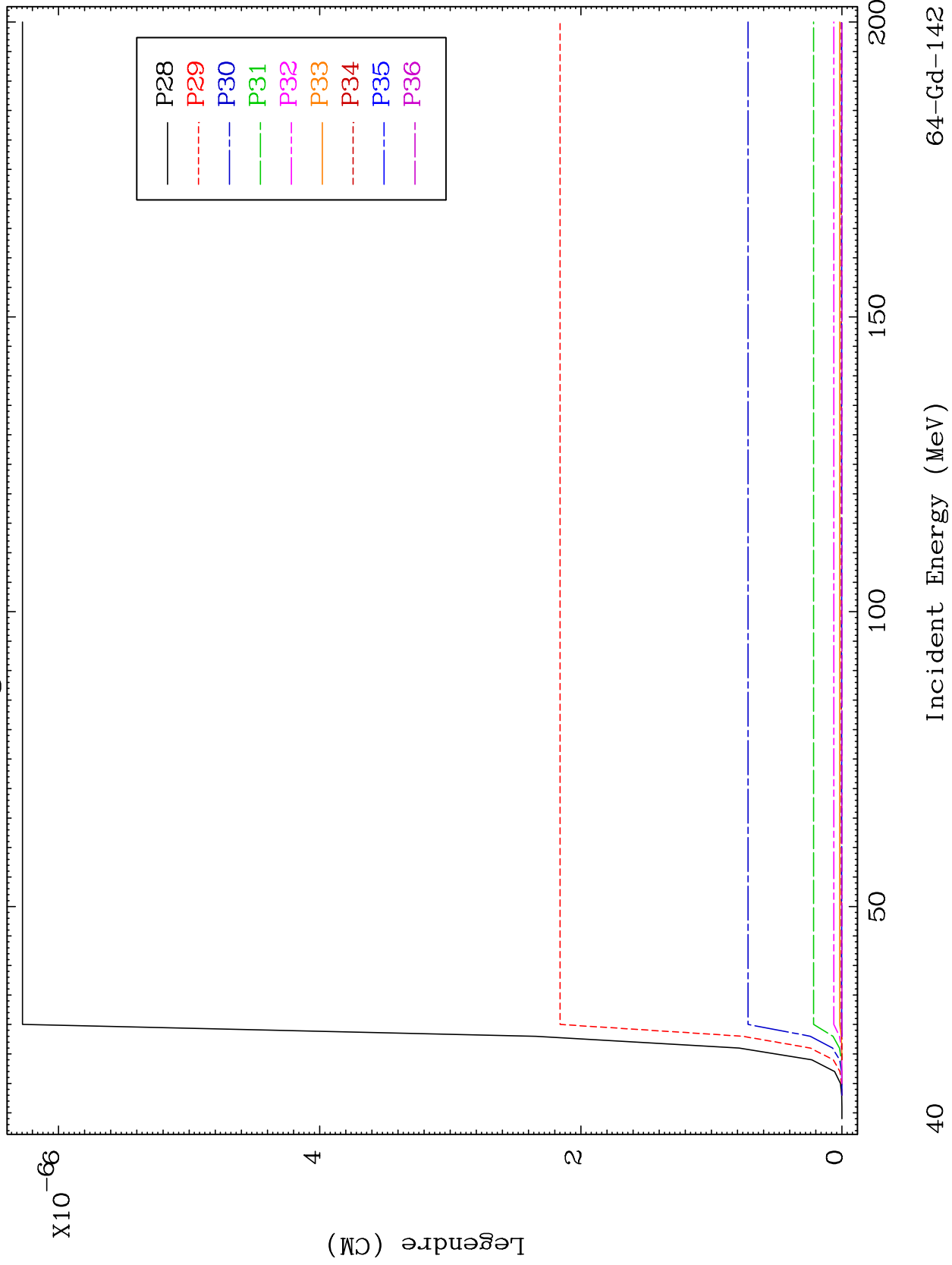
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MAT 6395

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

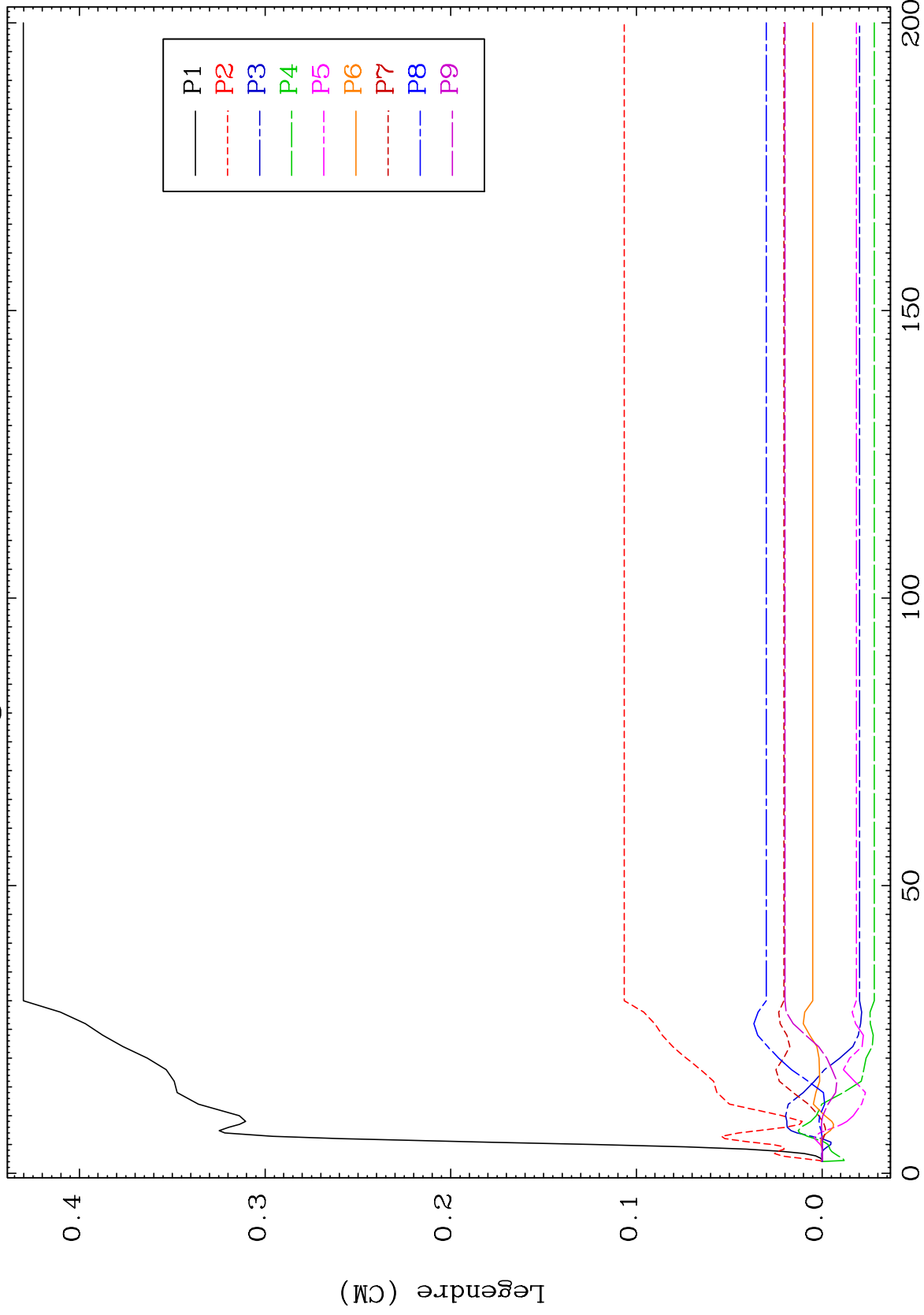
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MAT 6395

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

64-Gd-142



41

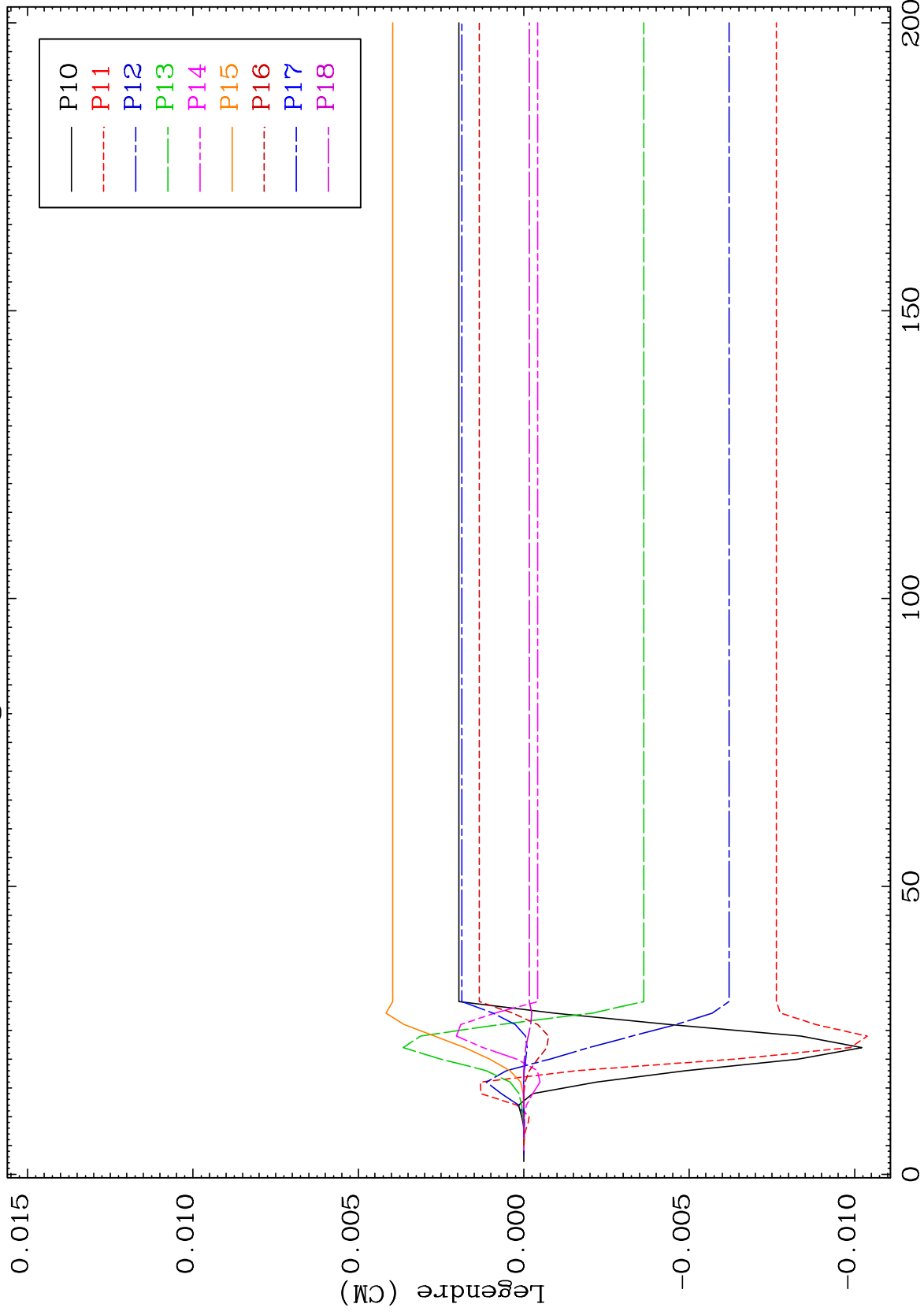
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



42

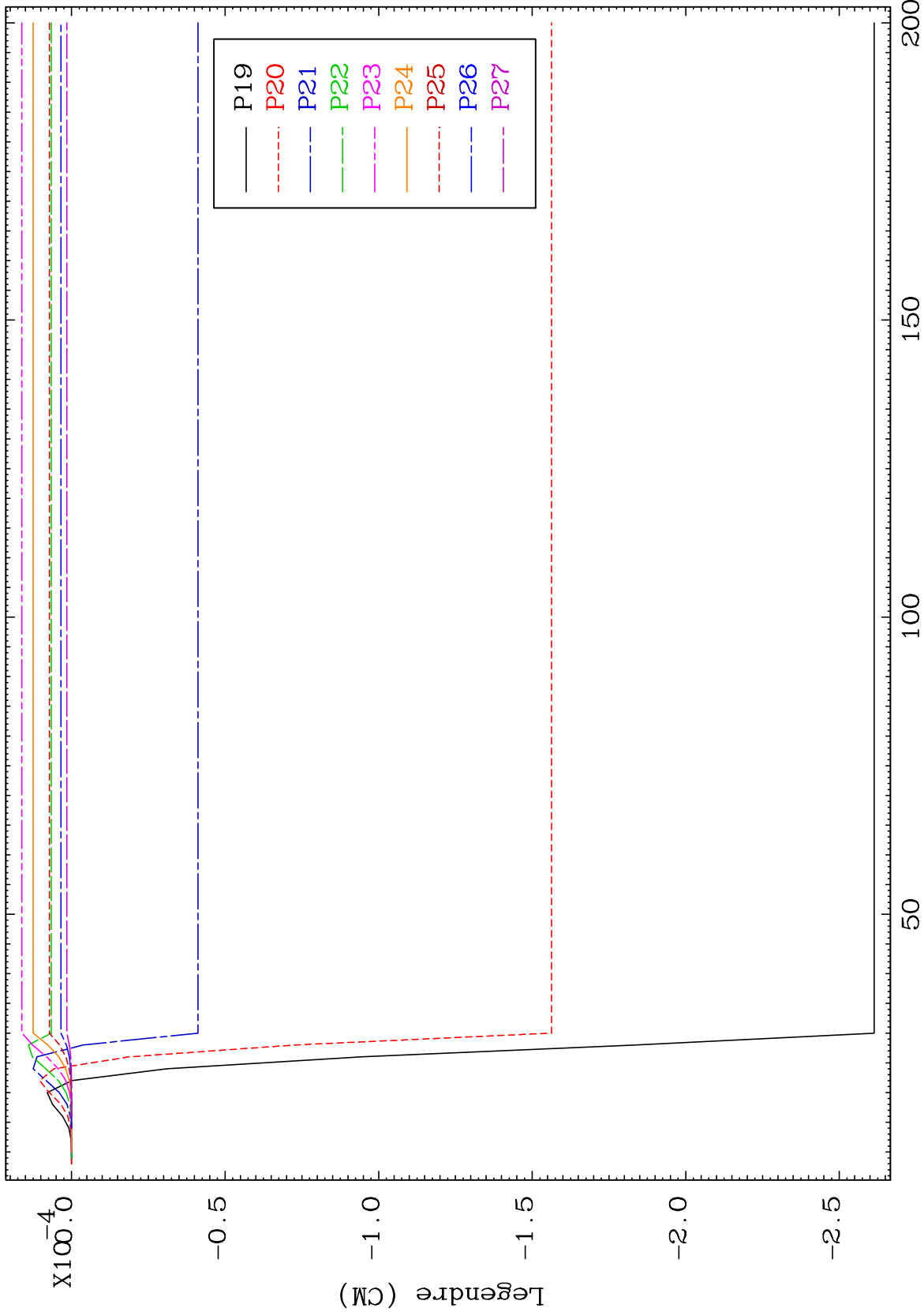
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

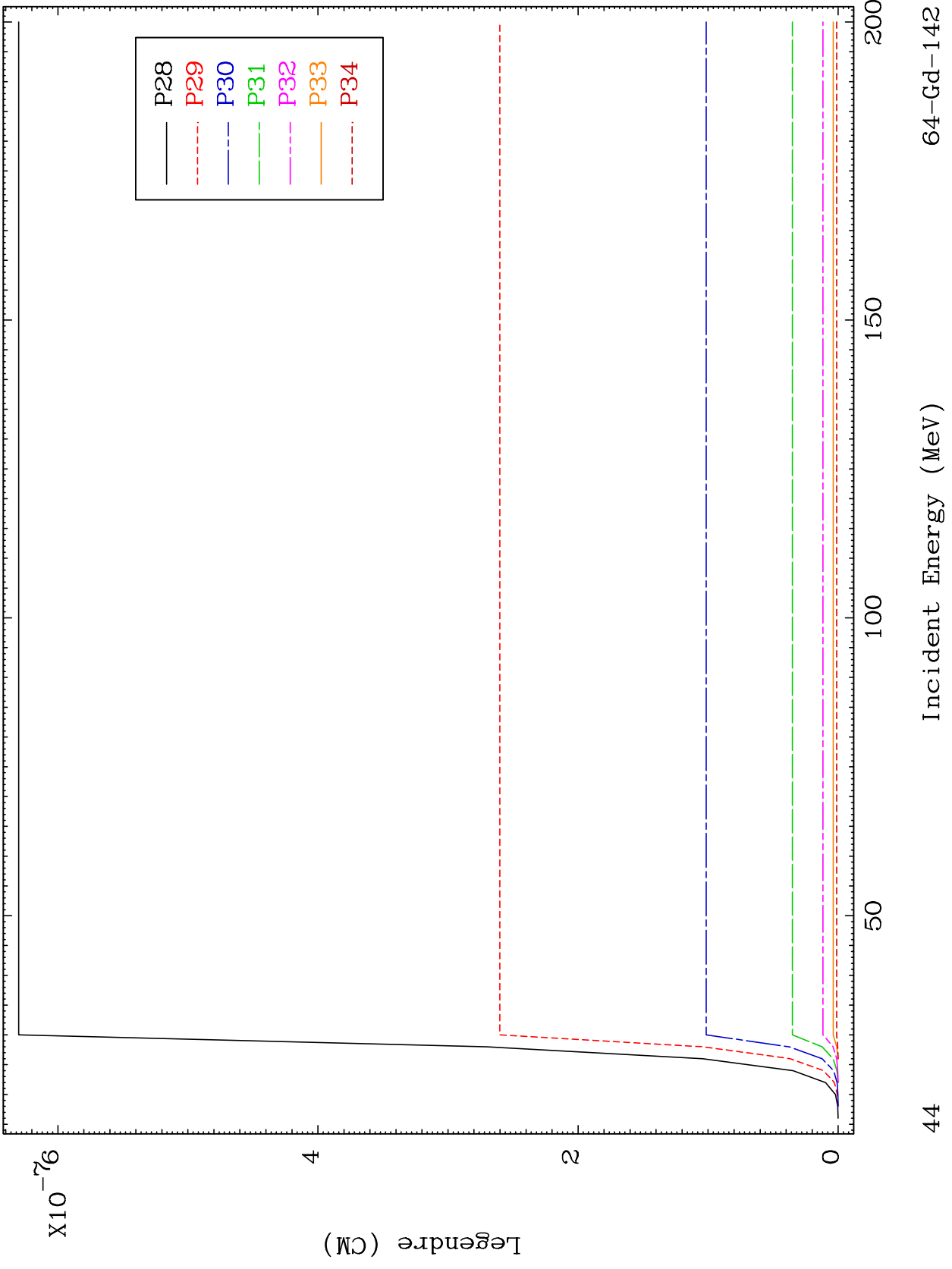
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MAT 6395

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

64-Gd-142



44

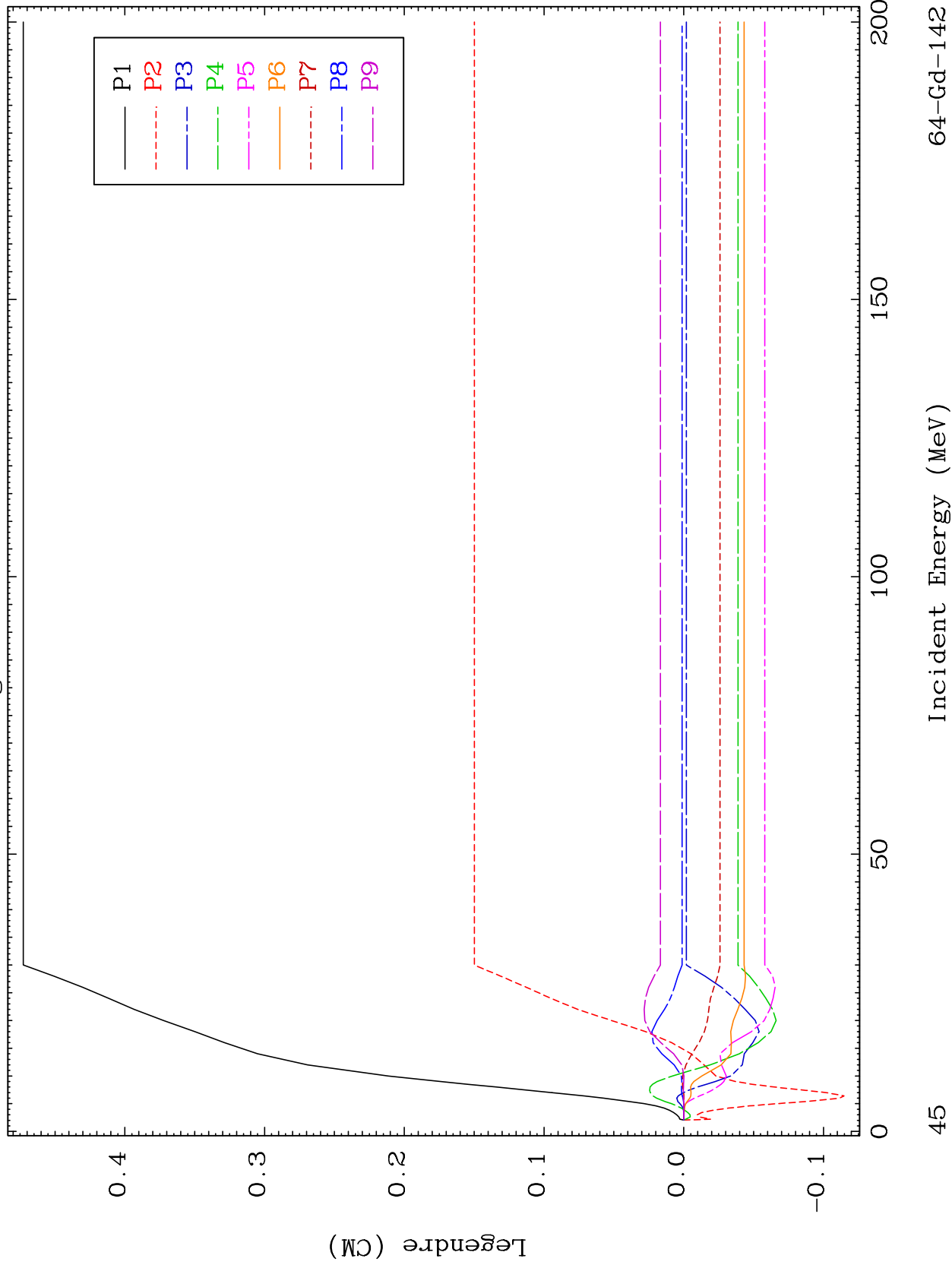
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



64-Gd-142

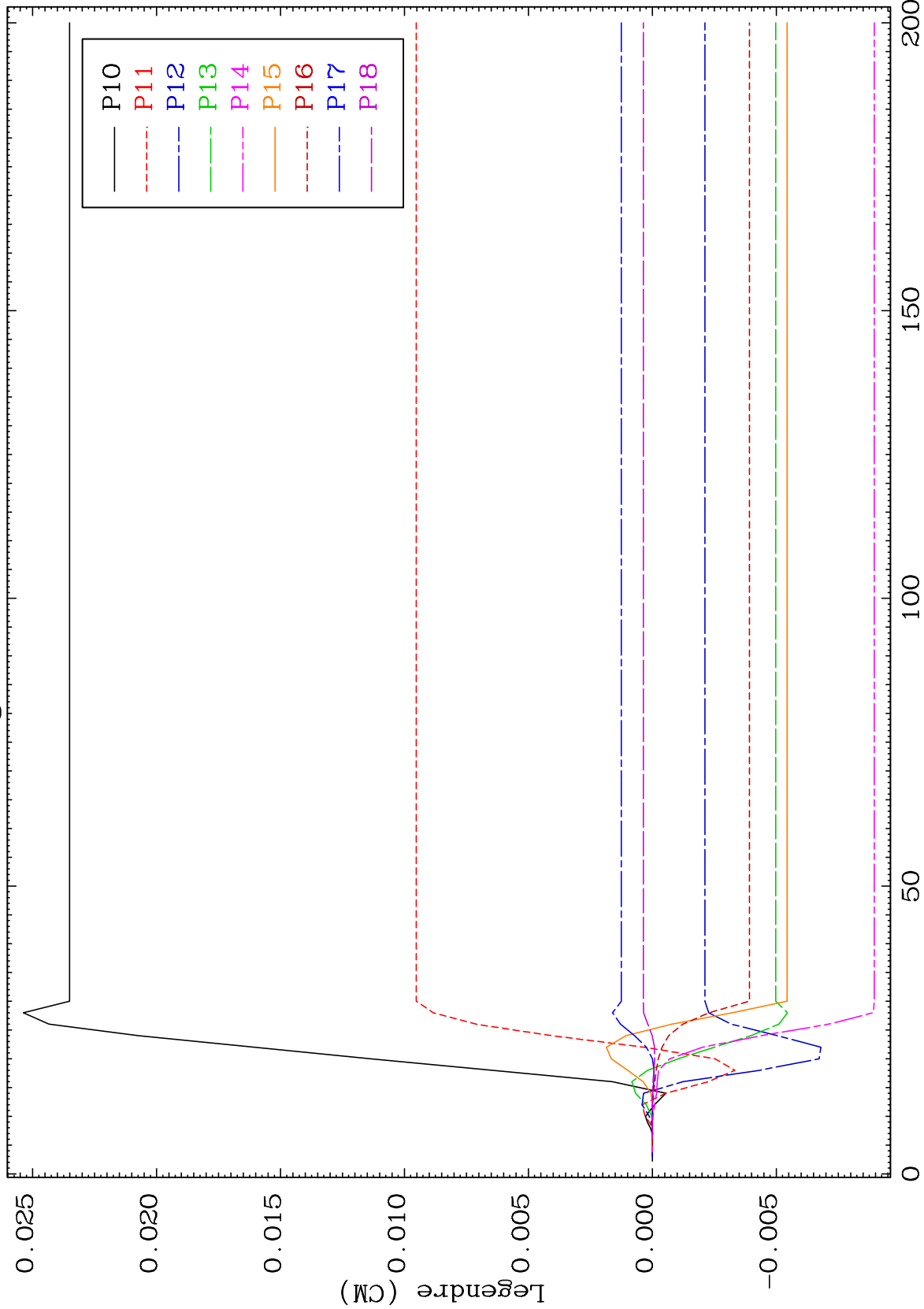
Incident Energy (MeV)

45

MAT 6395

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

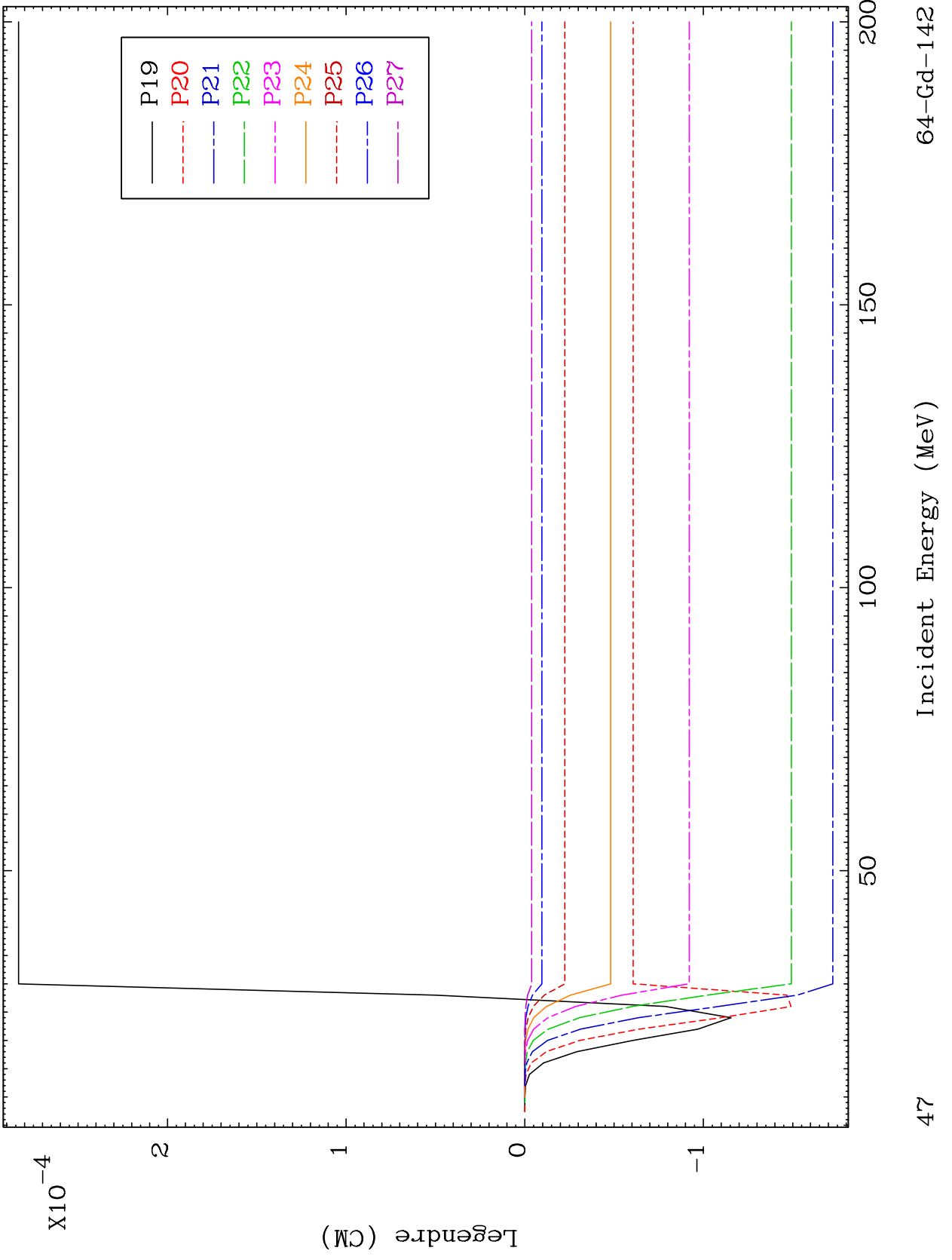
64-Gd-142



46

Incident Energy (MeV)

64-Gd-142

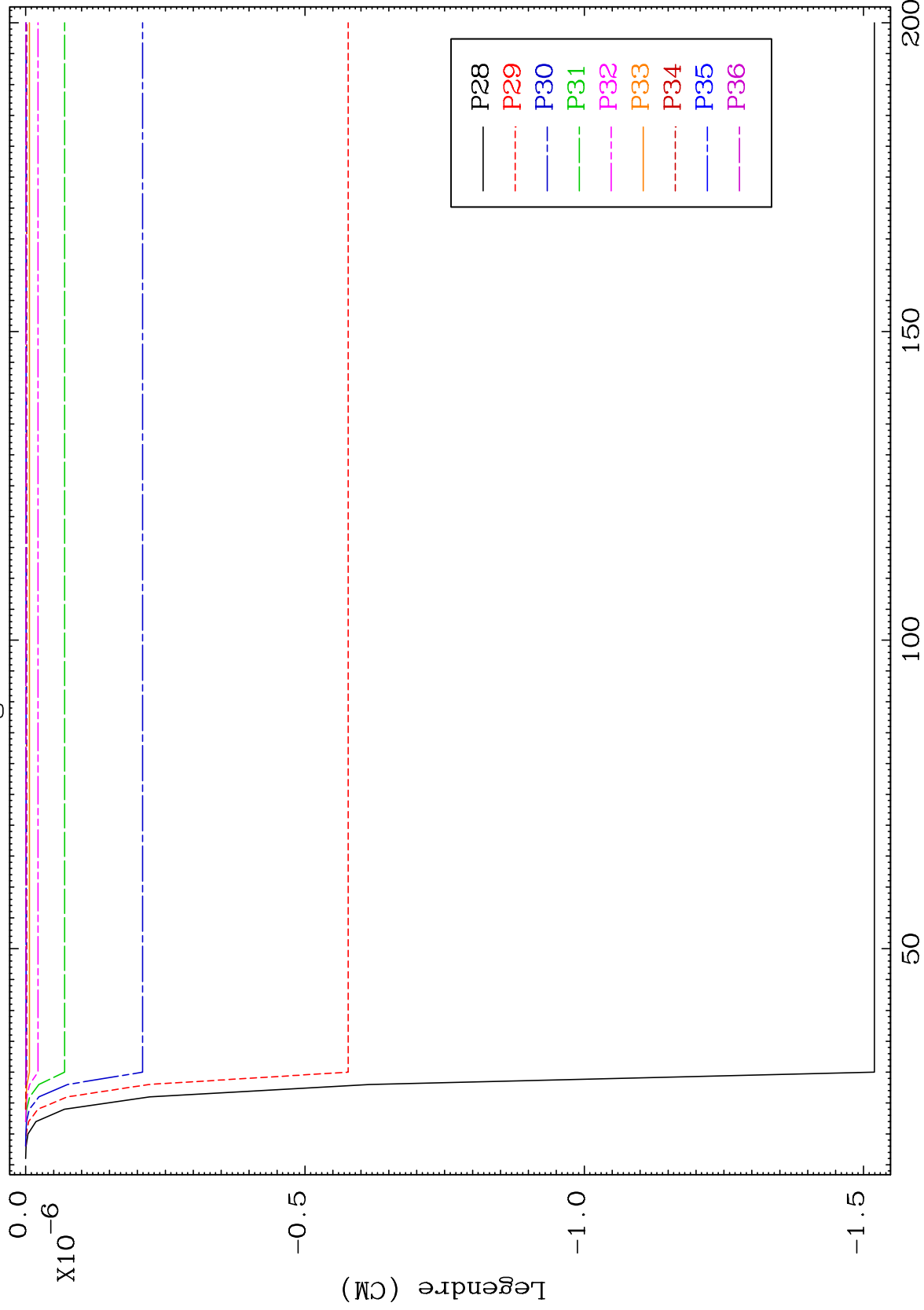




MAT 6395

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

64-Gd-142



48

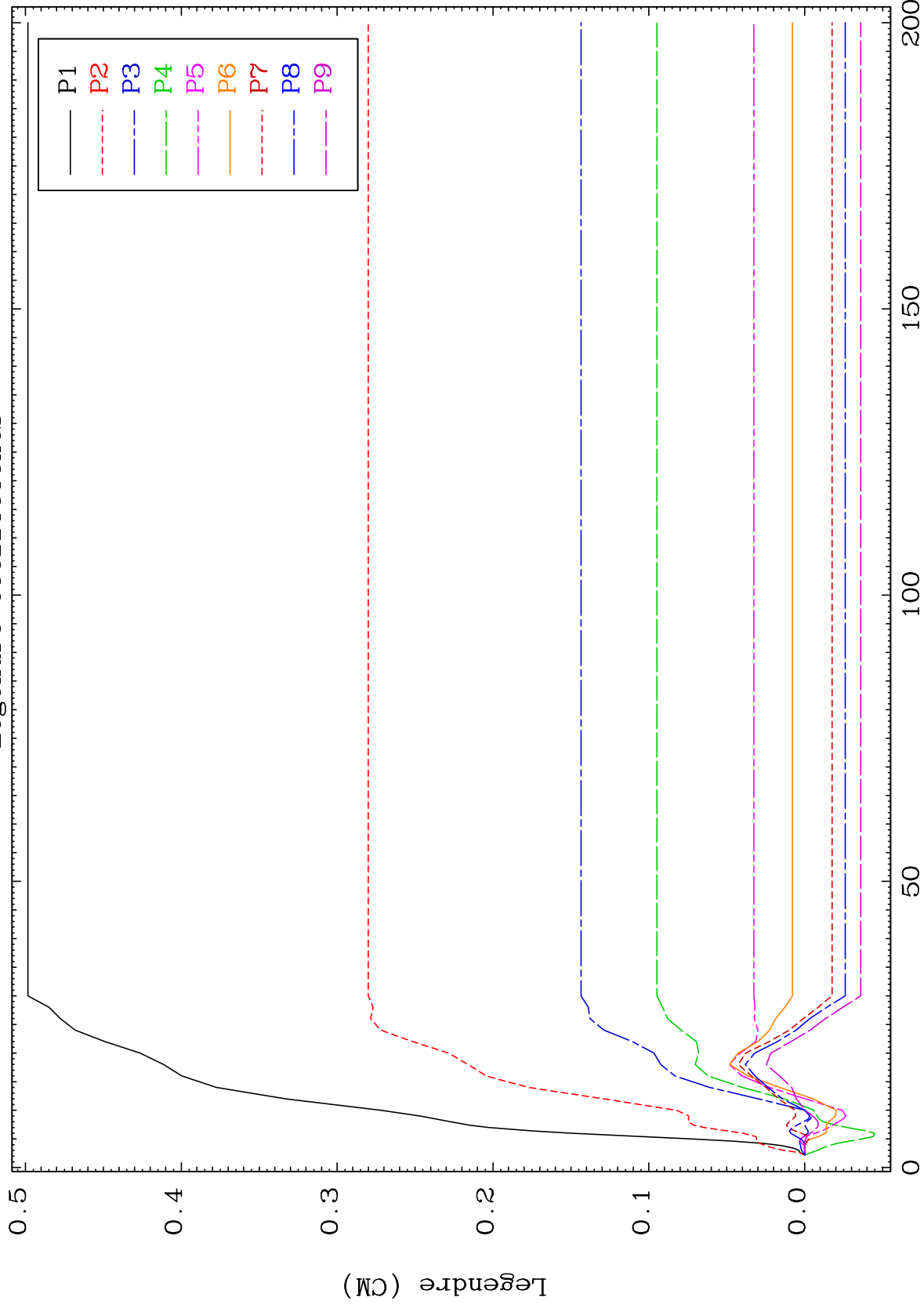
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



49

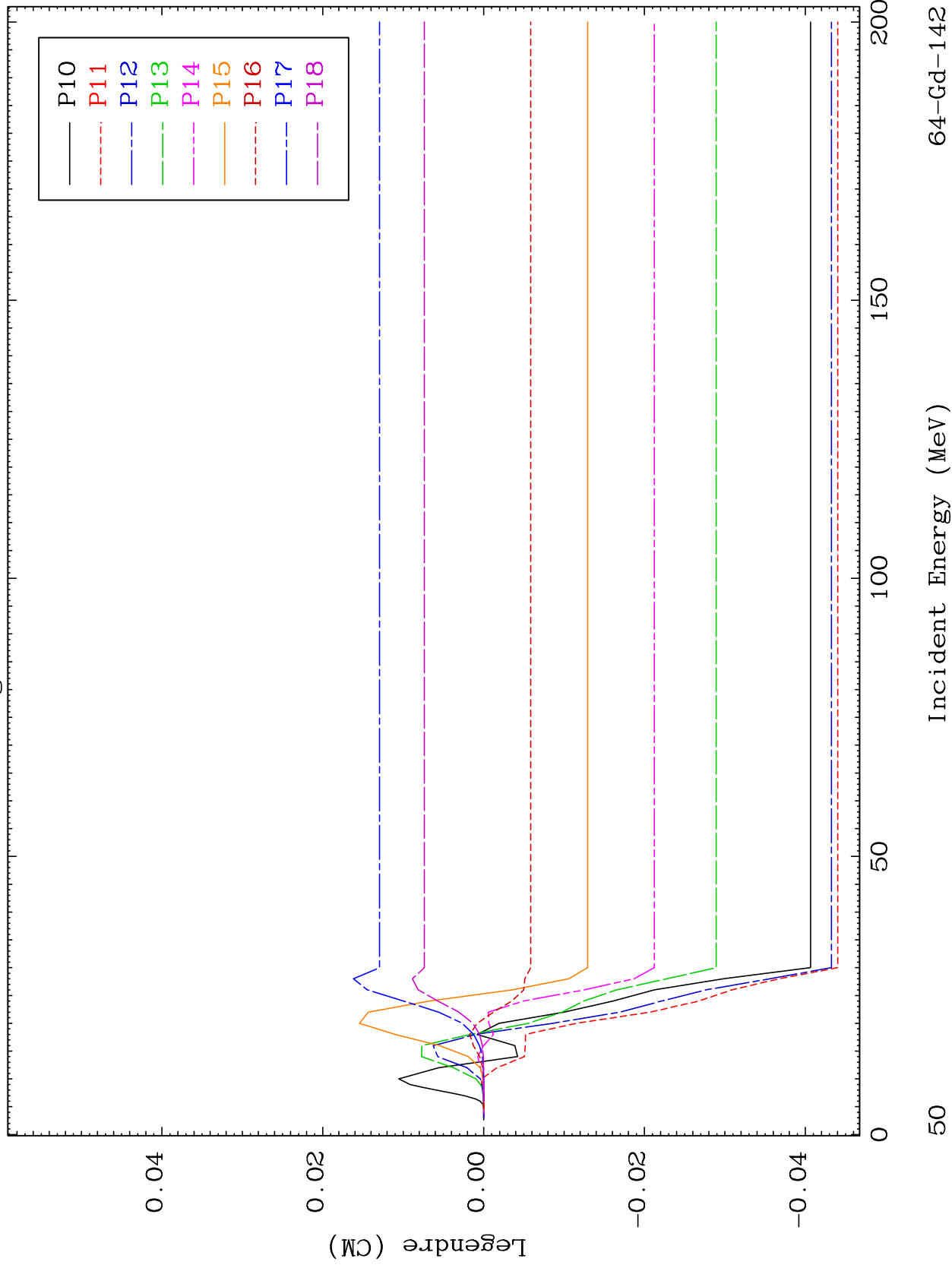
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

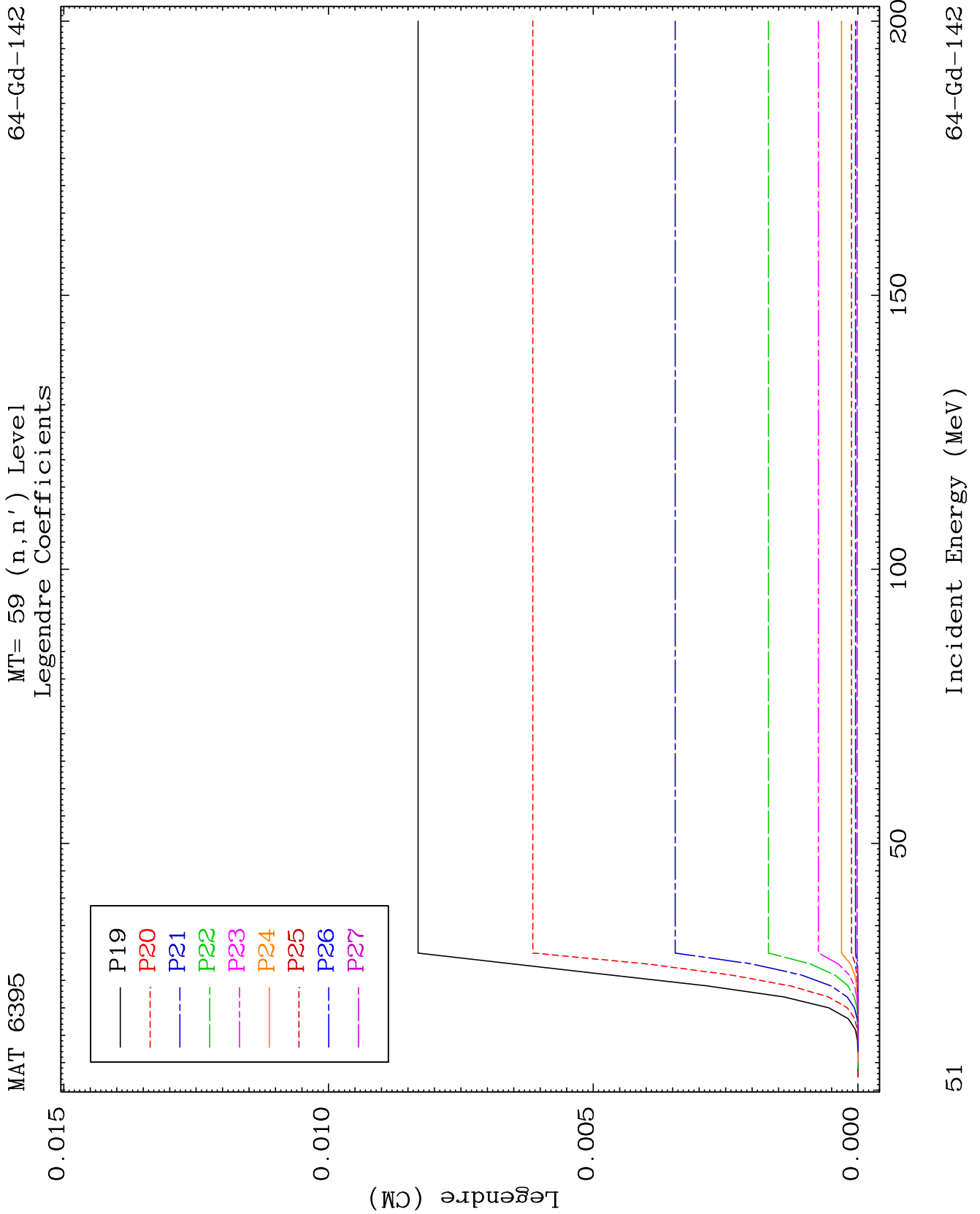
64-Gd-142



64-Gd-142

Incident Energy (MeV)

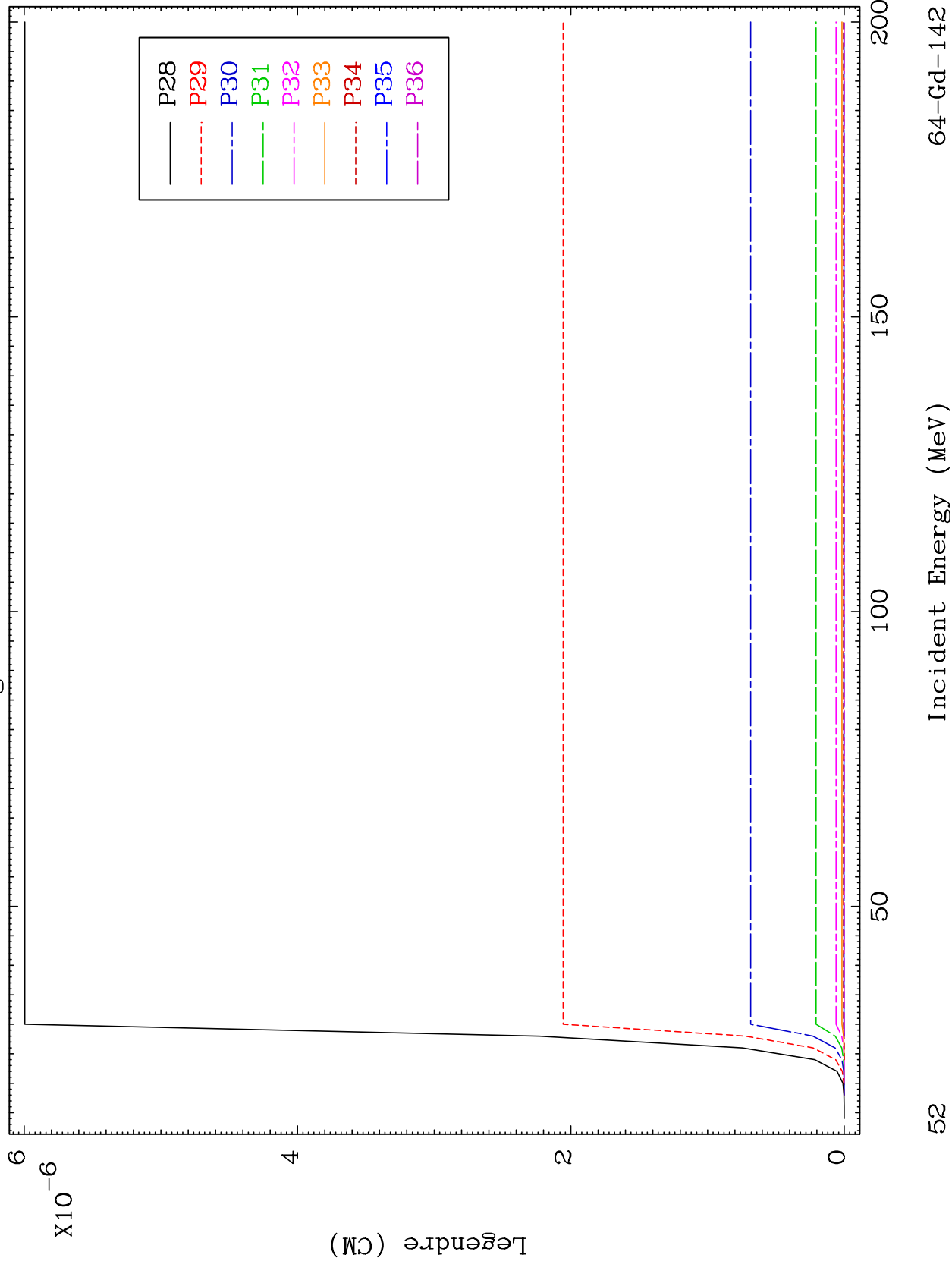
50



MAT 6395

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

64-Gd-142



52

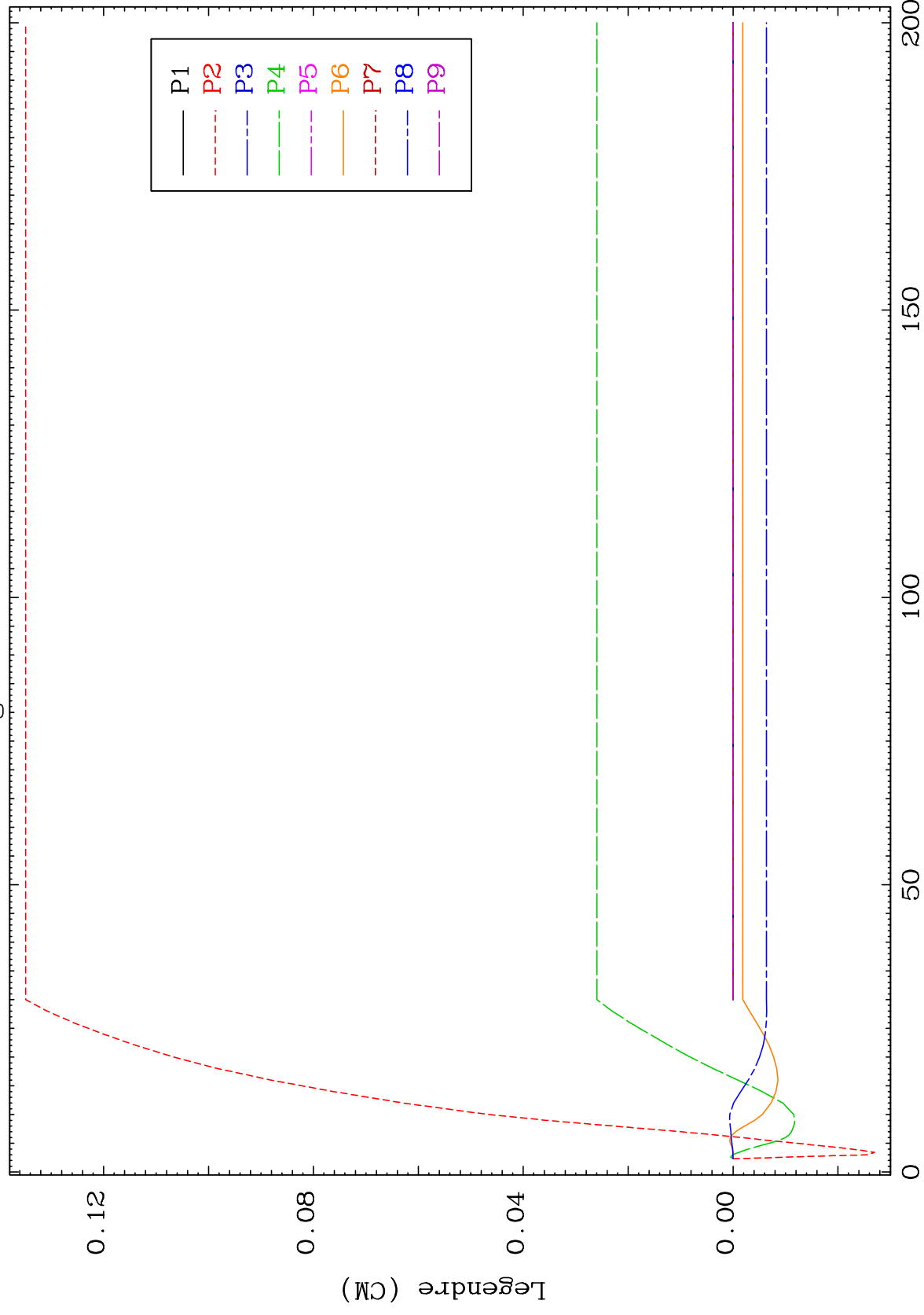
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



53

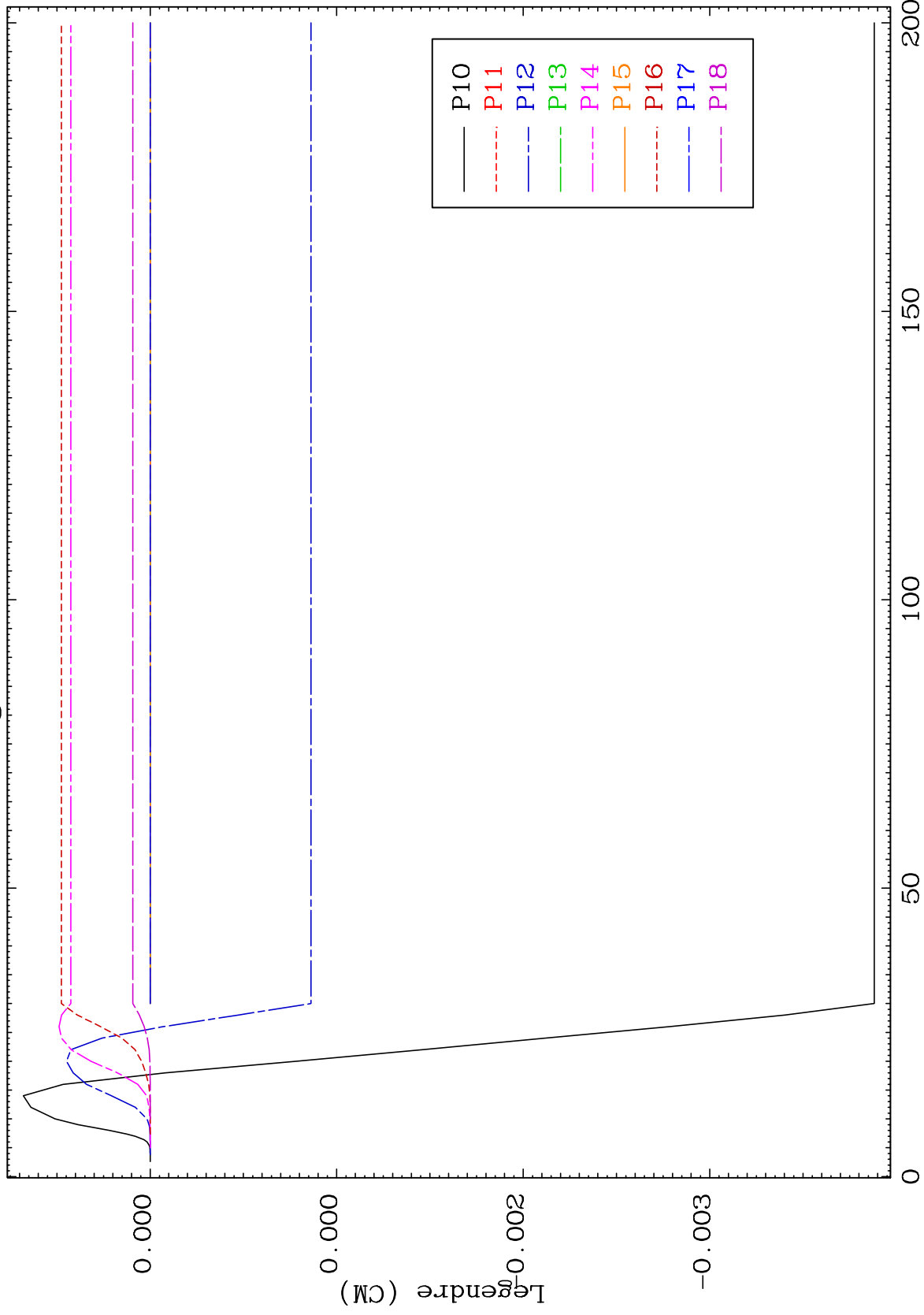
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



54

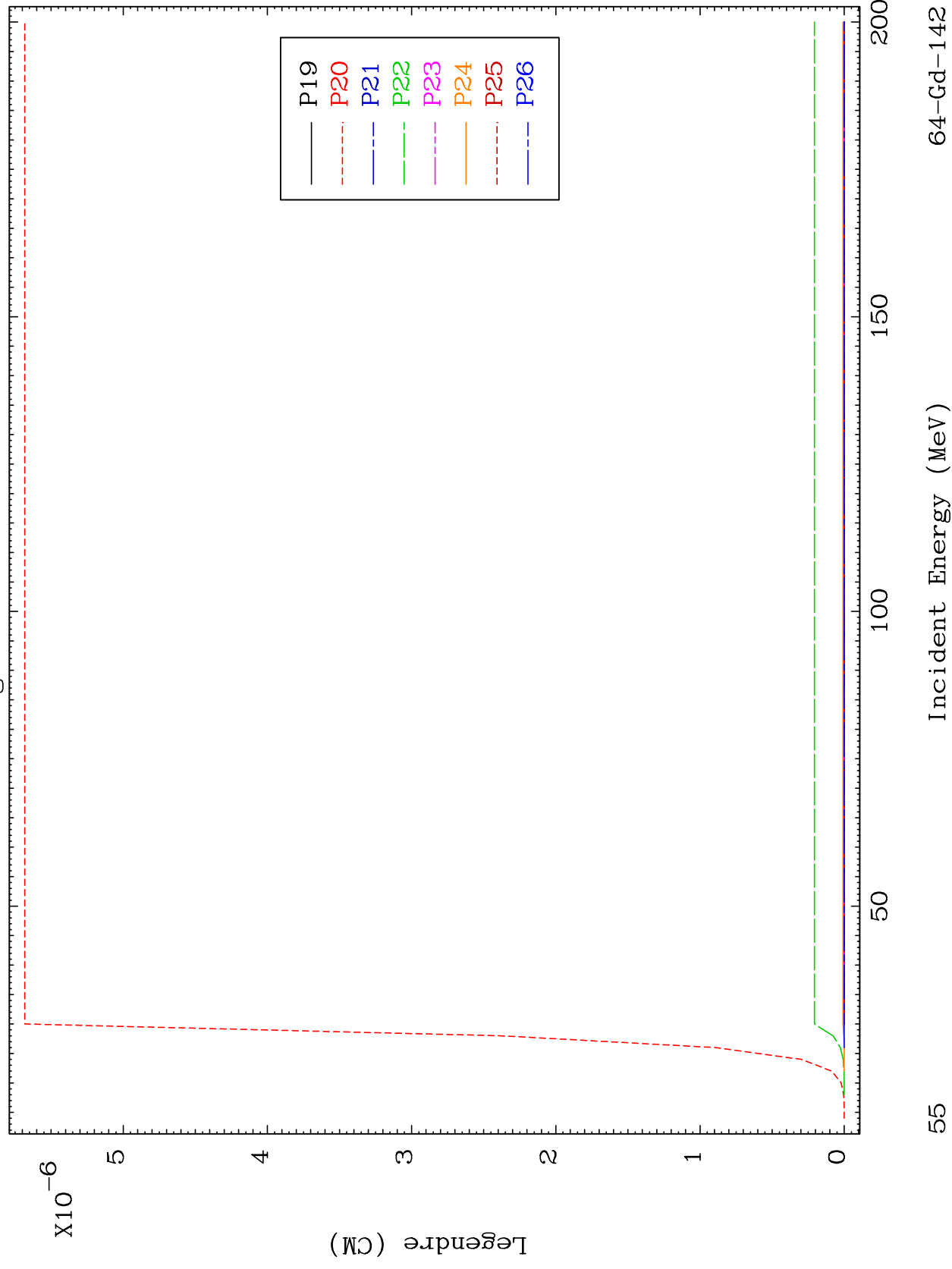
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142

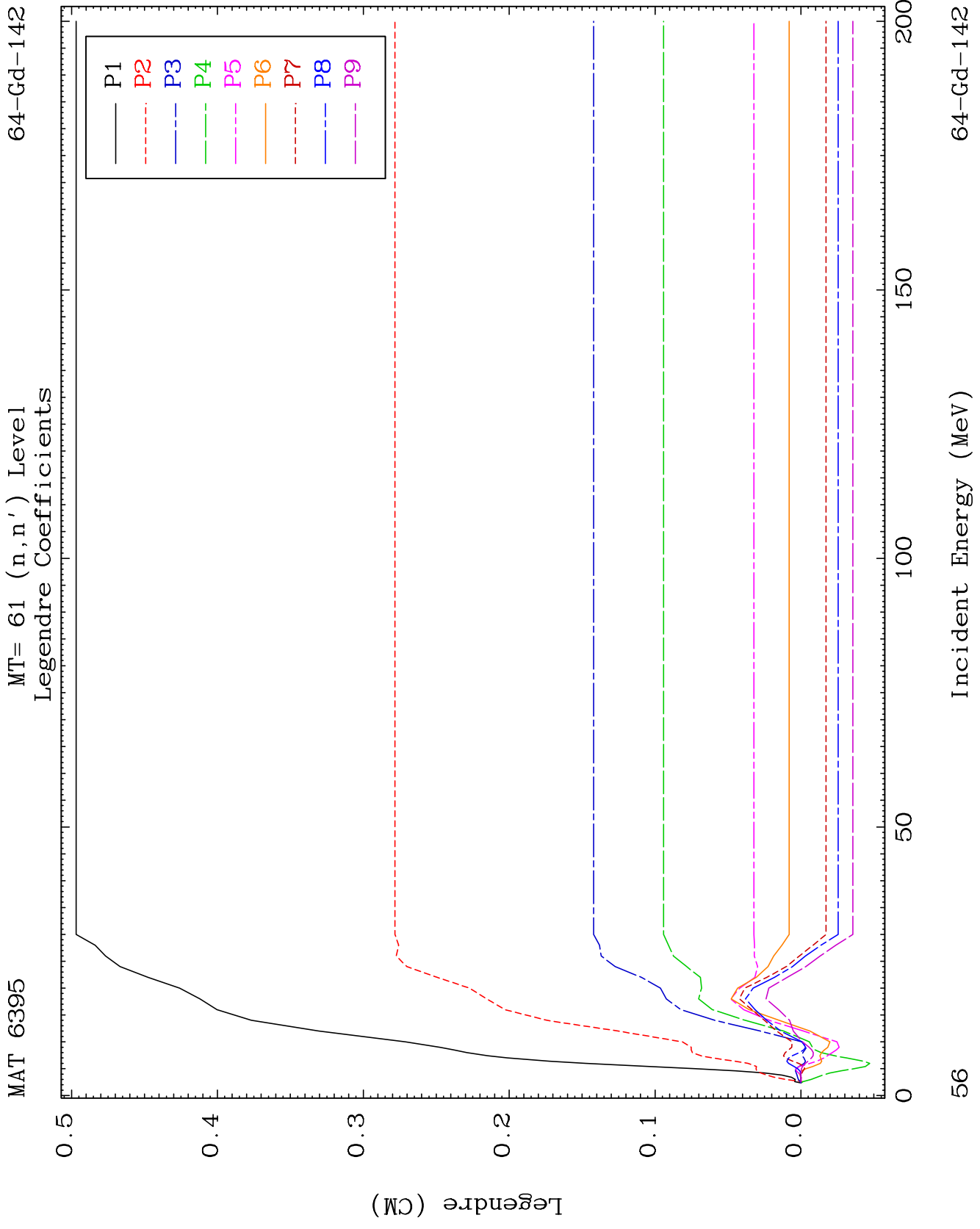


64-Gd-142

Incident Energy (MeV)

55

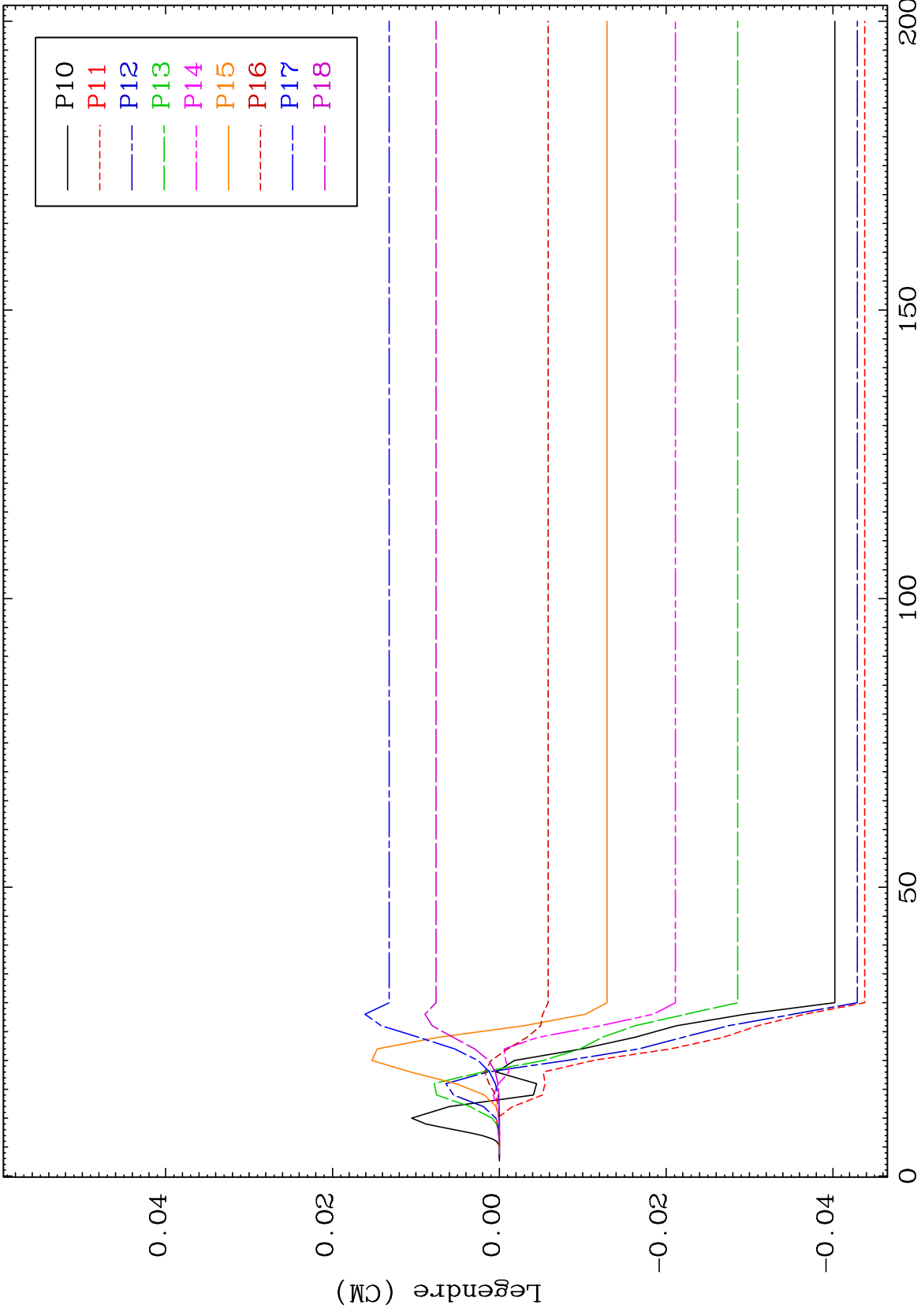




MAT 6395

MT= 61 (n,n') Level  
Legendre Coefficients

64-Gd-142



57

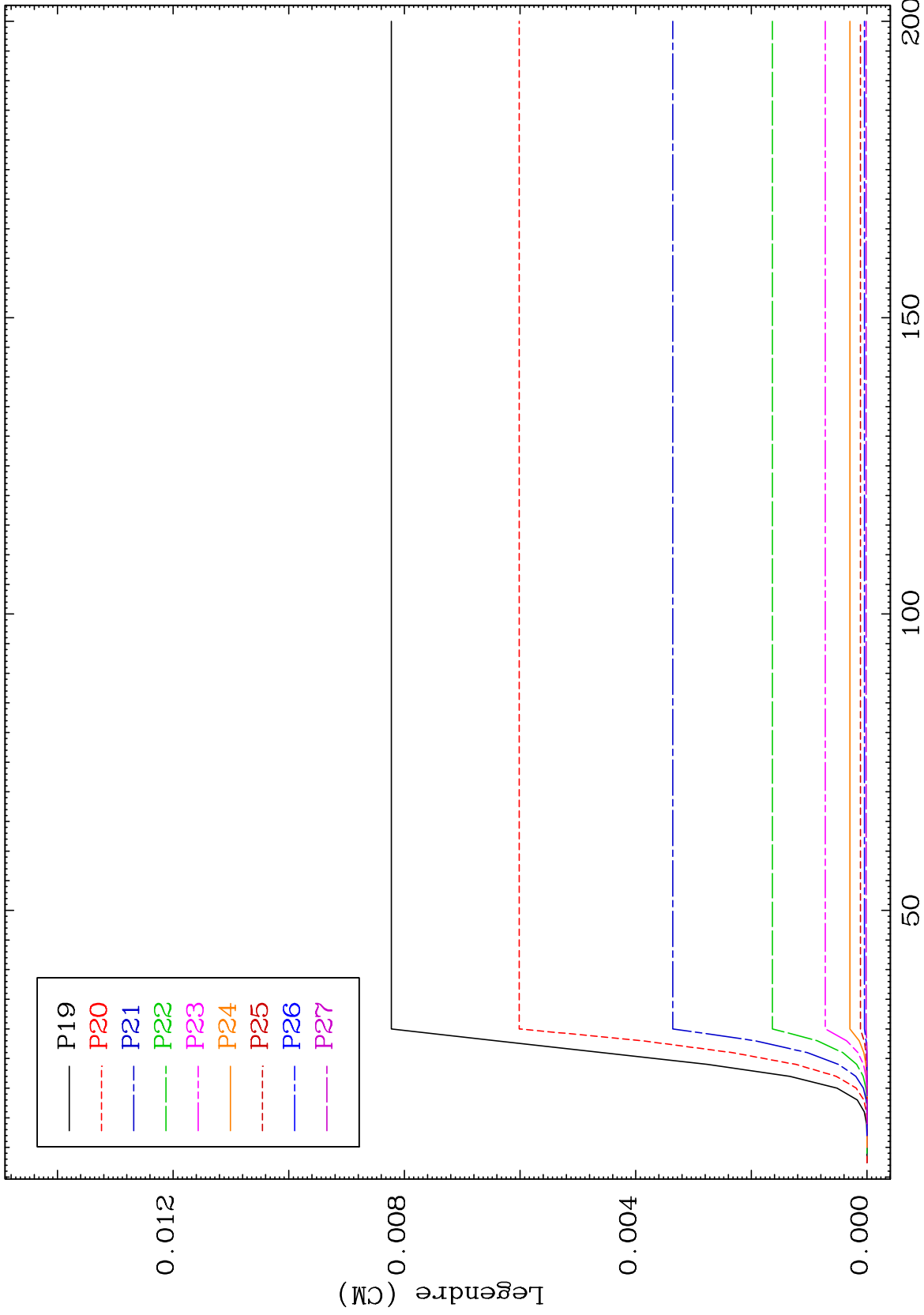
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 61 (n,n') Level  
Legendre Coefficients

64-Gd-142



58

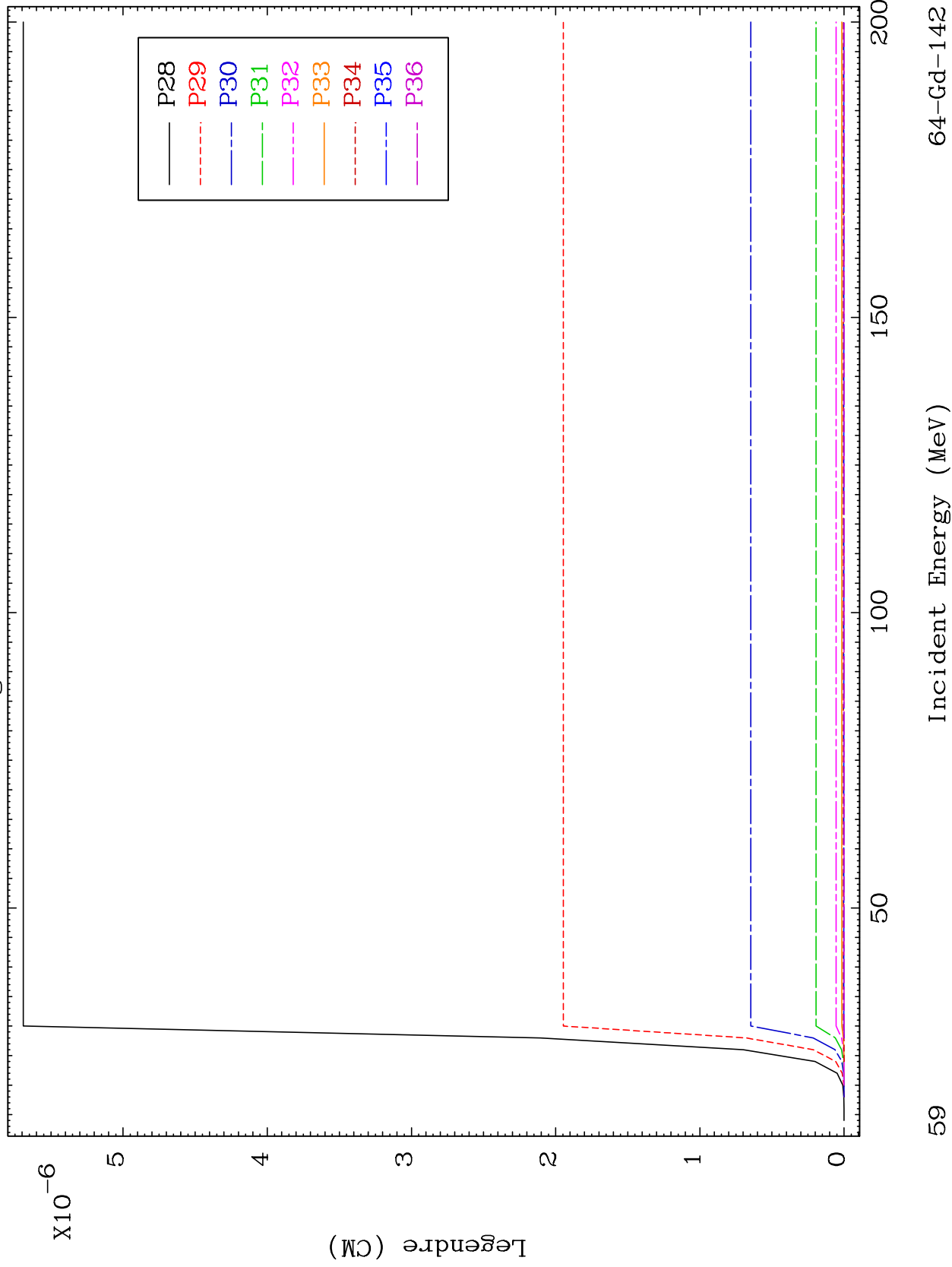
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 61 (n,n') Level  
Legendre Coefficients

64-Gd-142



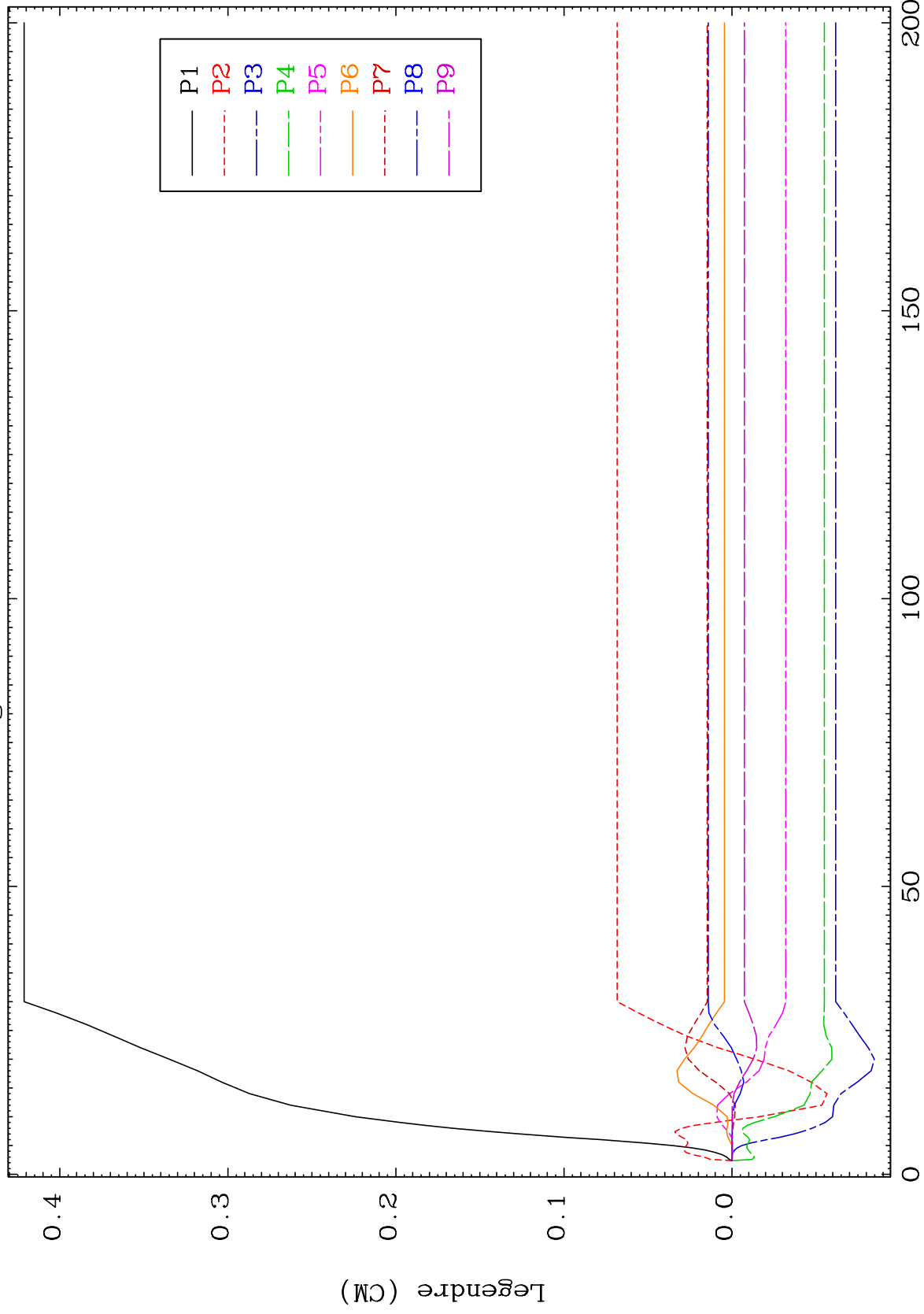
59

64-Gd-142

MAT 6395

MT= 62 (n,n') Level  
Legendre Coefficients

64-Gd-142



64-Gd-142

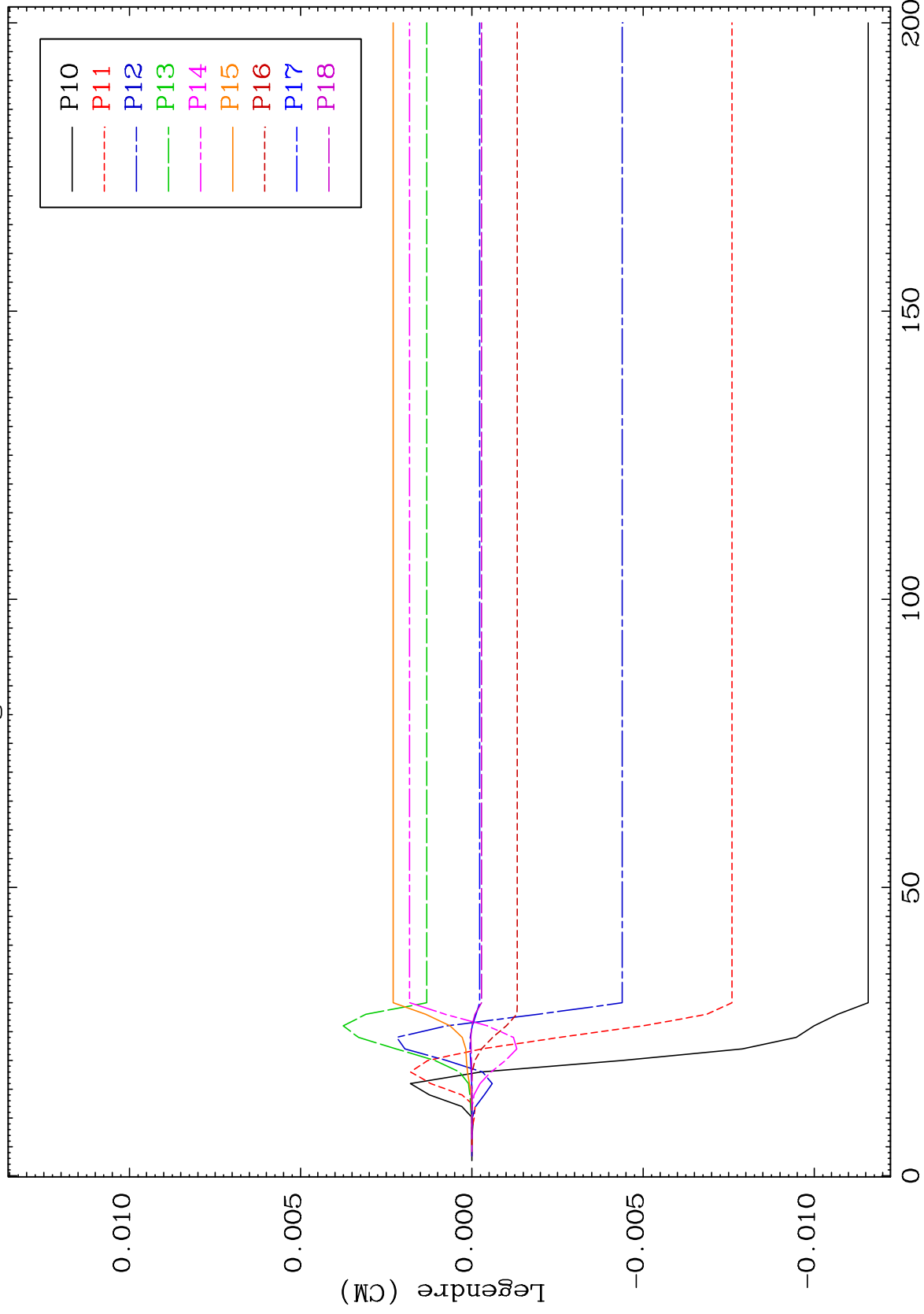
Incident Energy (MeV)

60

MAT 6395

MT= 62 (n,n') Level  
Legendre Coefficients

64-Gd-142

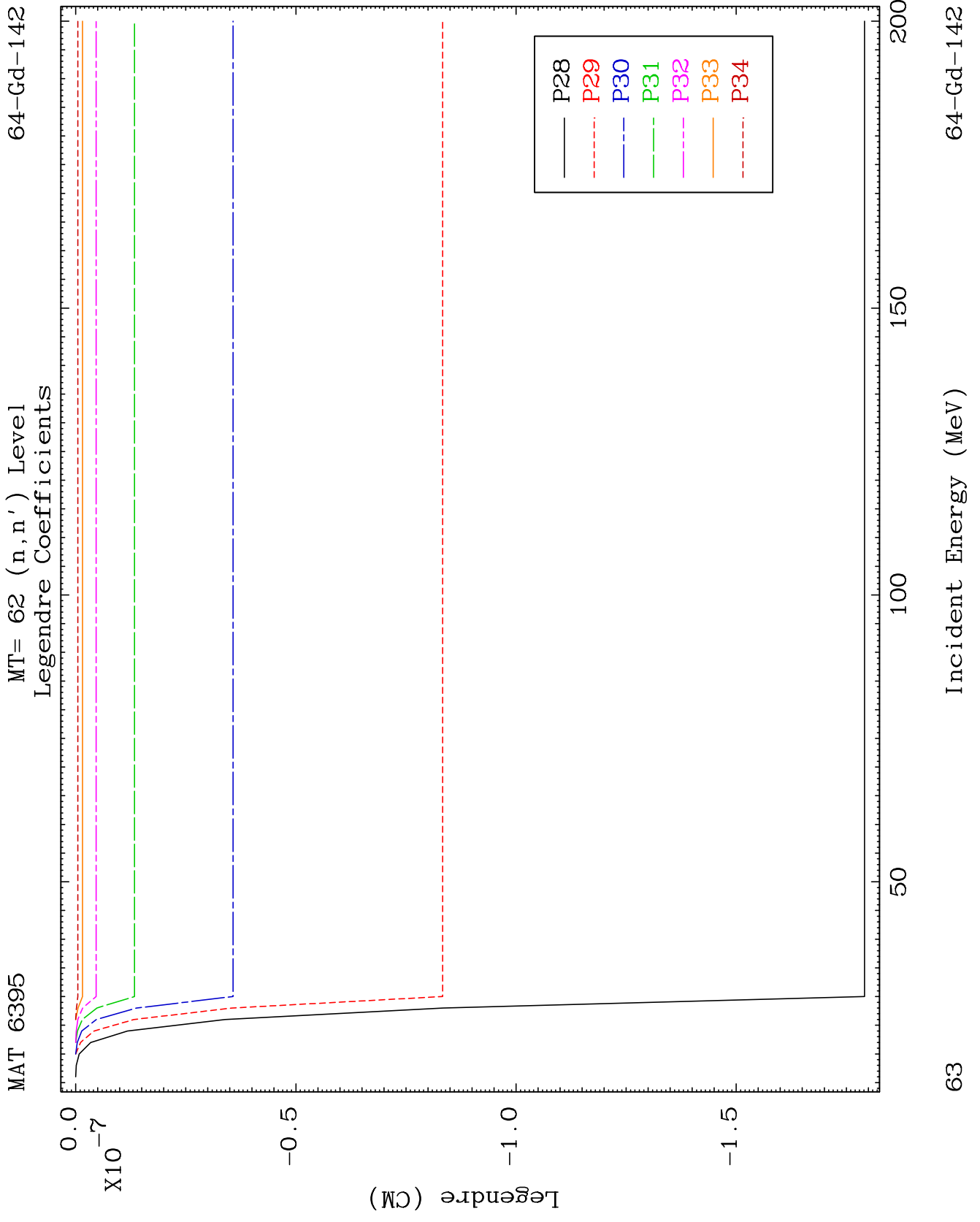


61

Incident Energy (MeV)

64-Gd-142





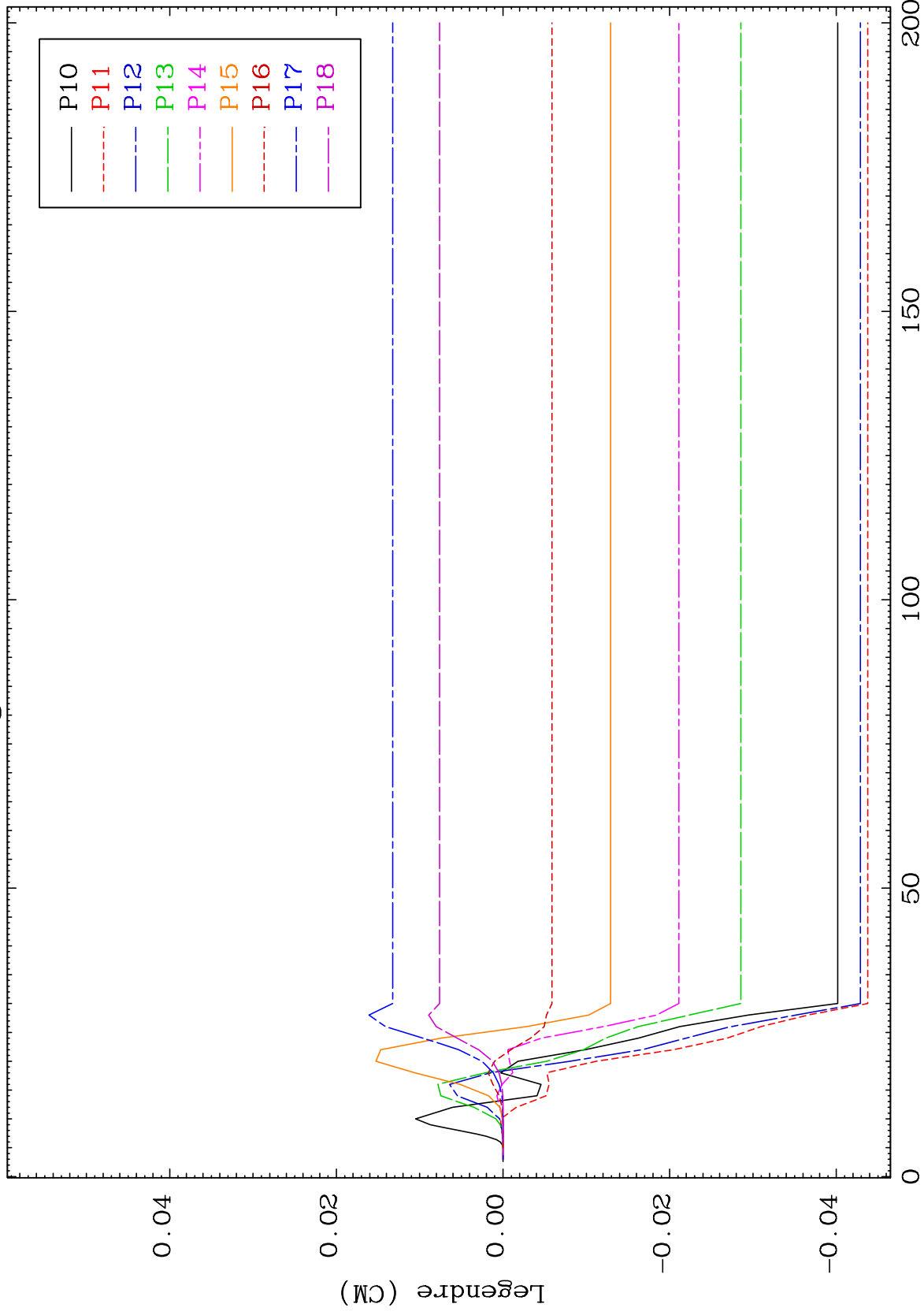




MAT 6395

MT= 63 (n,n') Level  
Legendre Coefficients

64-Gd-142



65

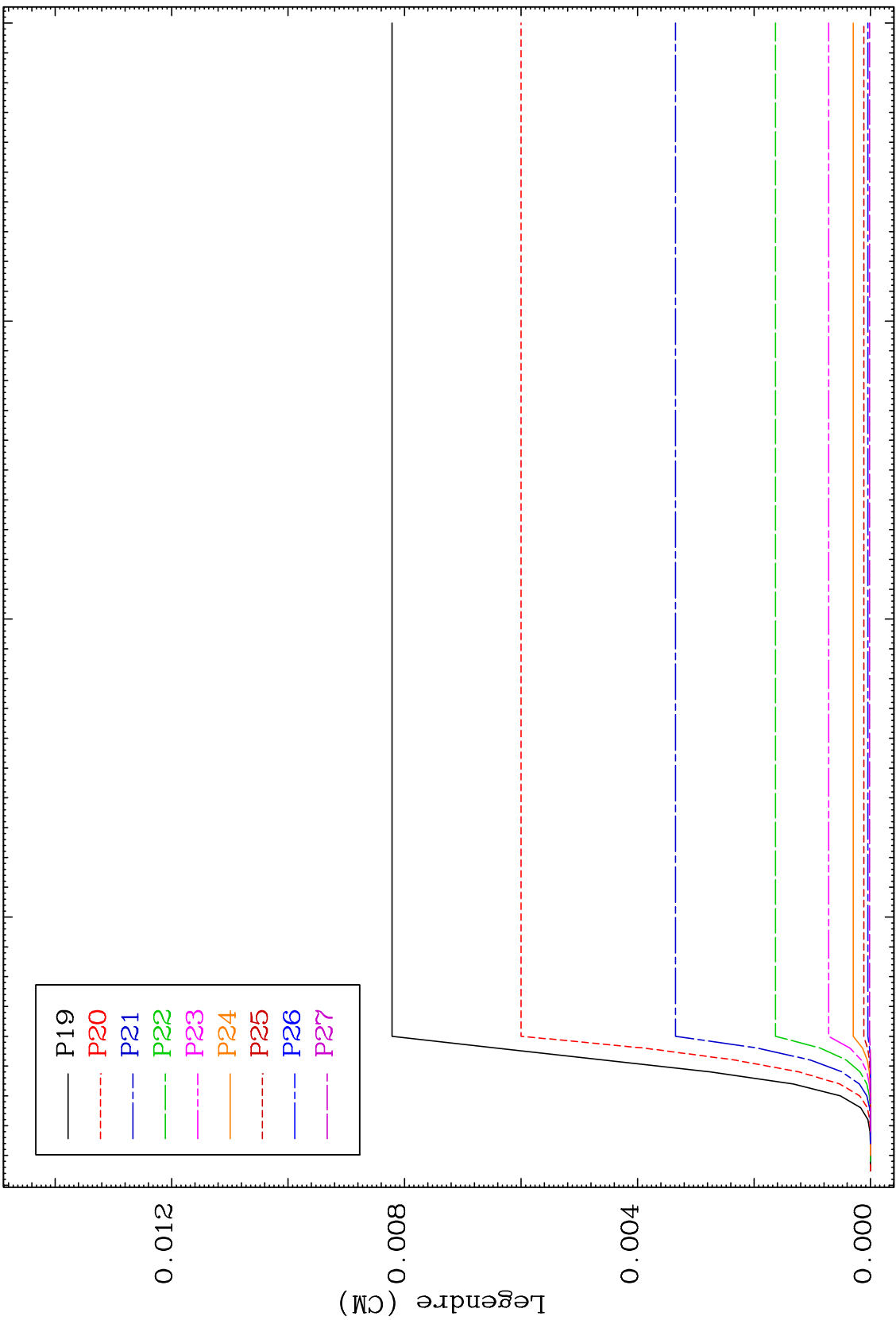
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 63 (n,n') Level  
Legendre Coefficients

64-Gd-142



66

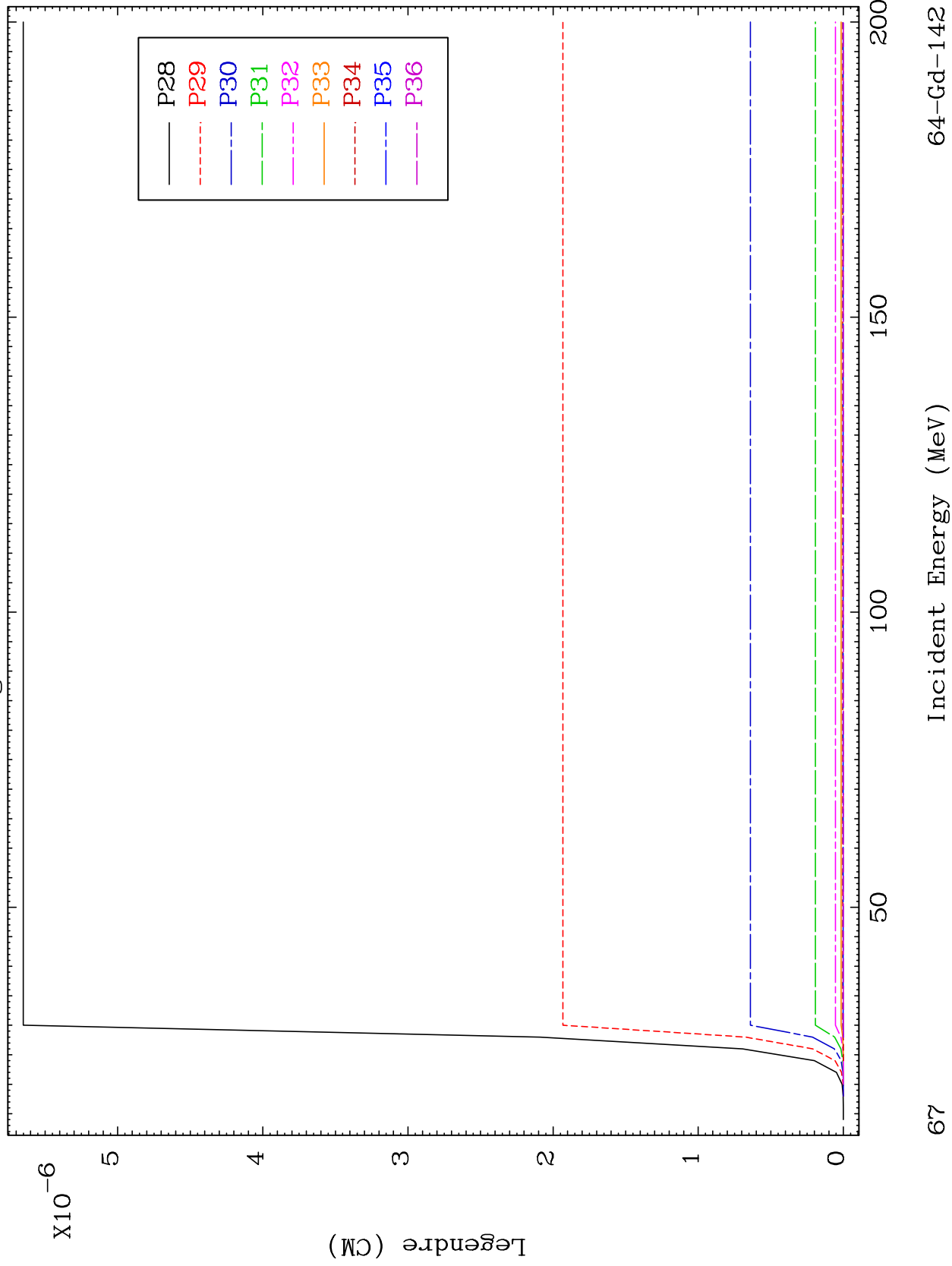
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 63 (n,n') Level  
Legendre Coefficients

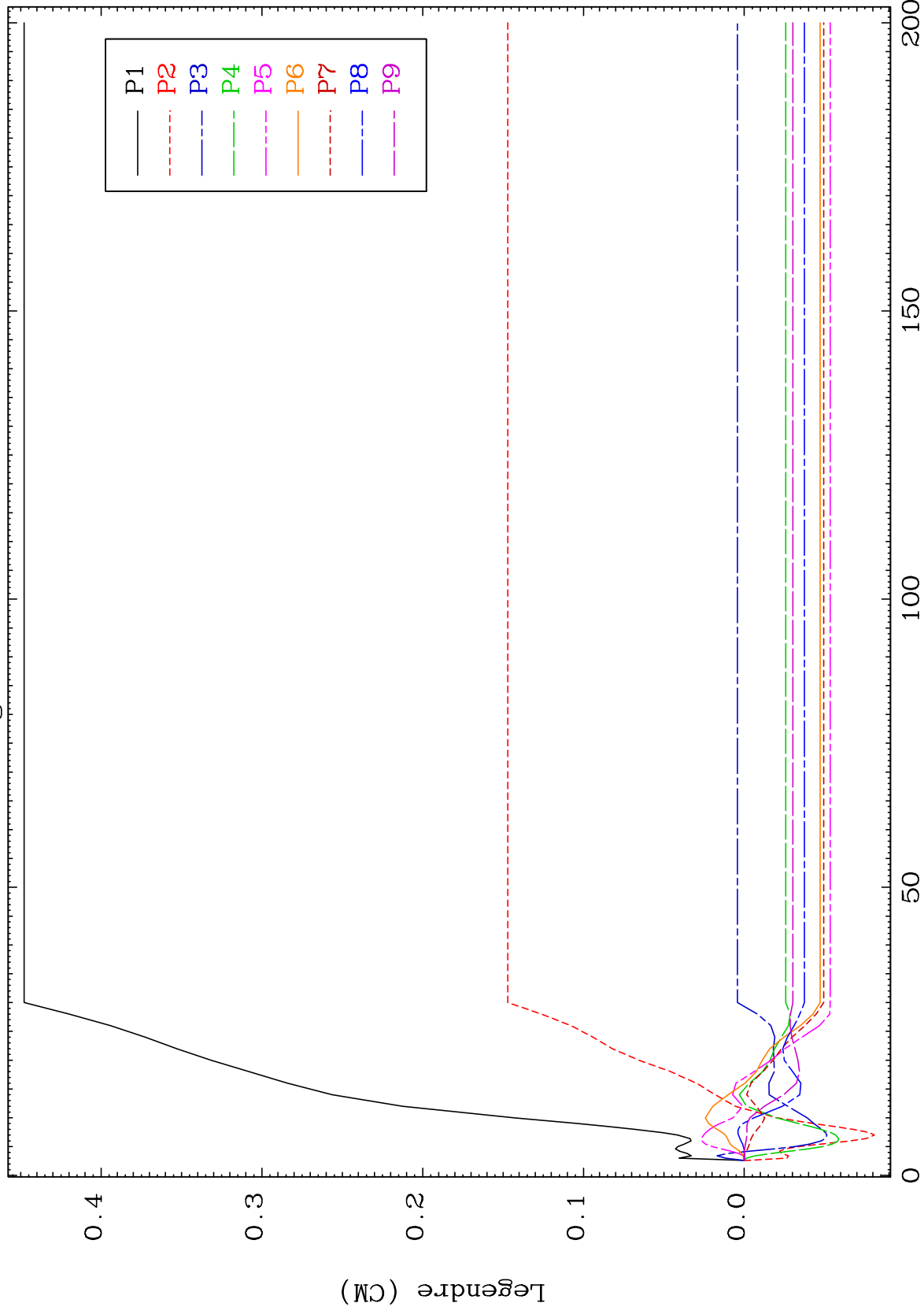
64-Gd-142



MAT 6395

MT= 64 (n,n') Level  
Legendre Coefficients

64-Gd-142



68

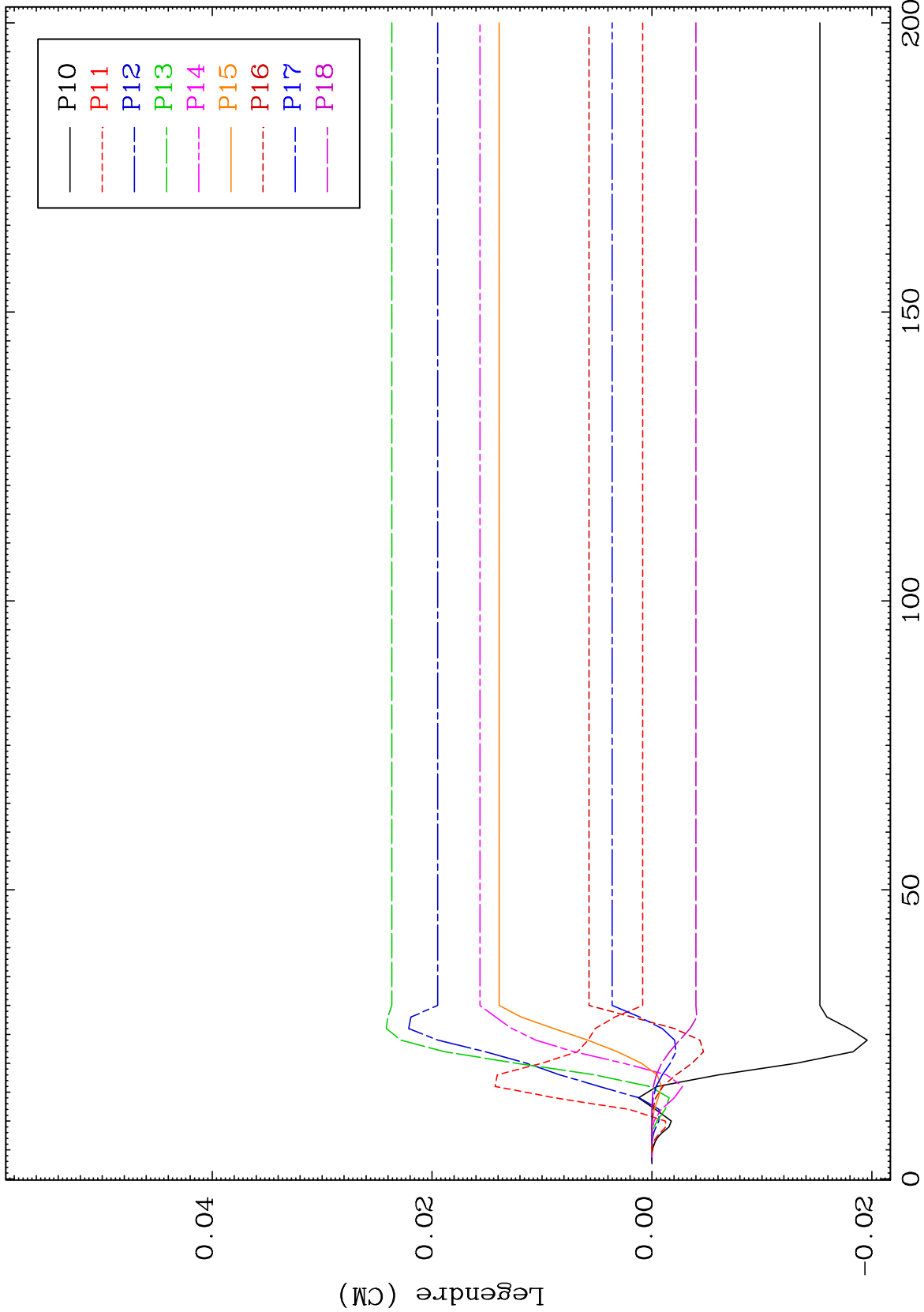
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 64 (n,n') Level  
Legendre Coefficients

64-Gd-142



69

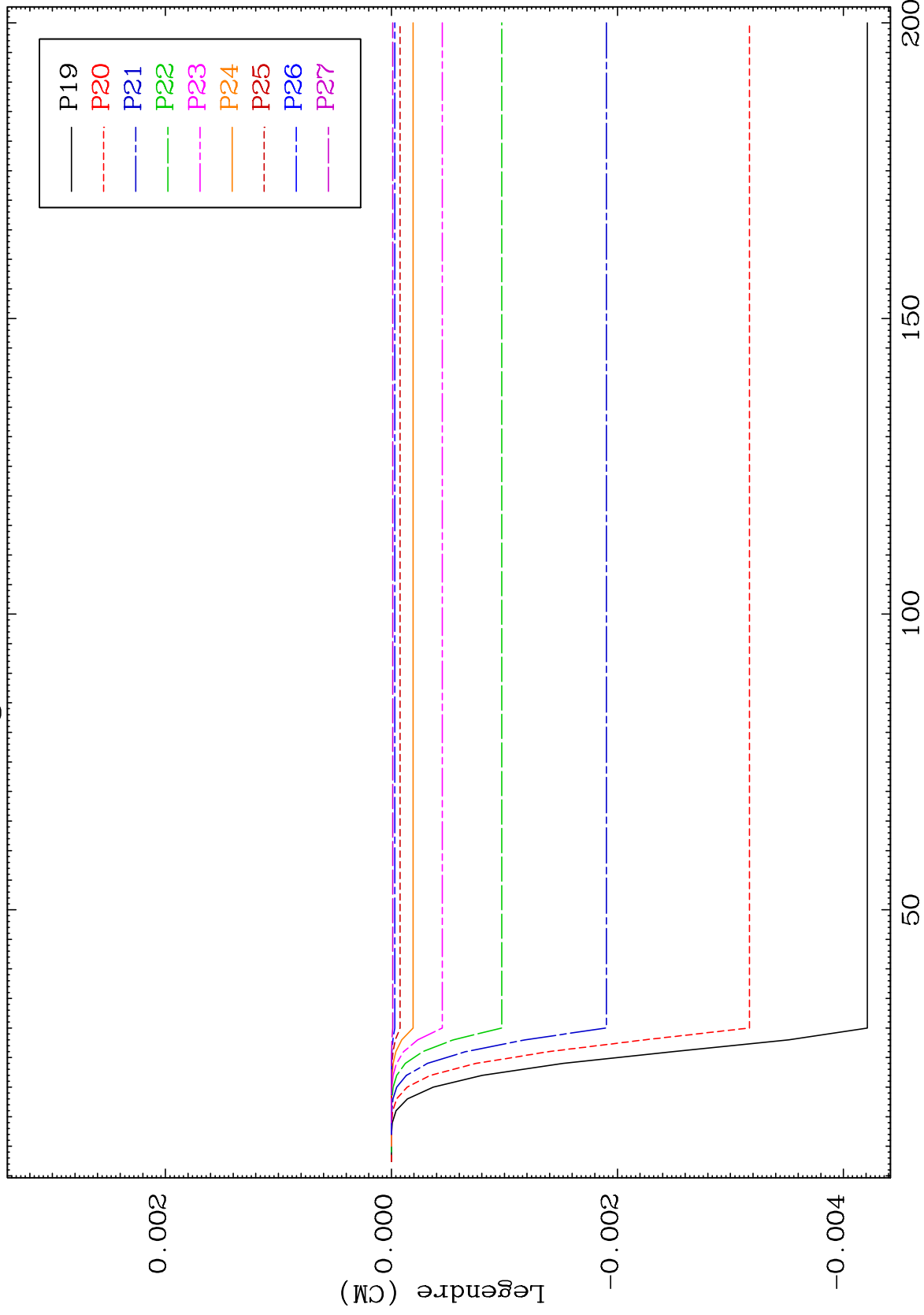
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 64 (n,n') Level  
Legendre Coefficients

64-Gd-142



70

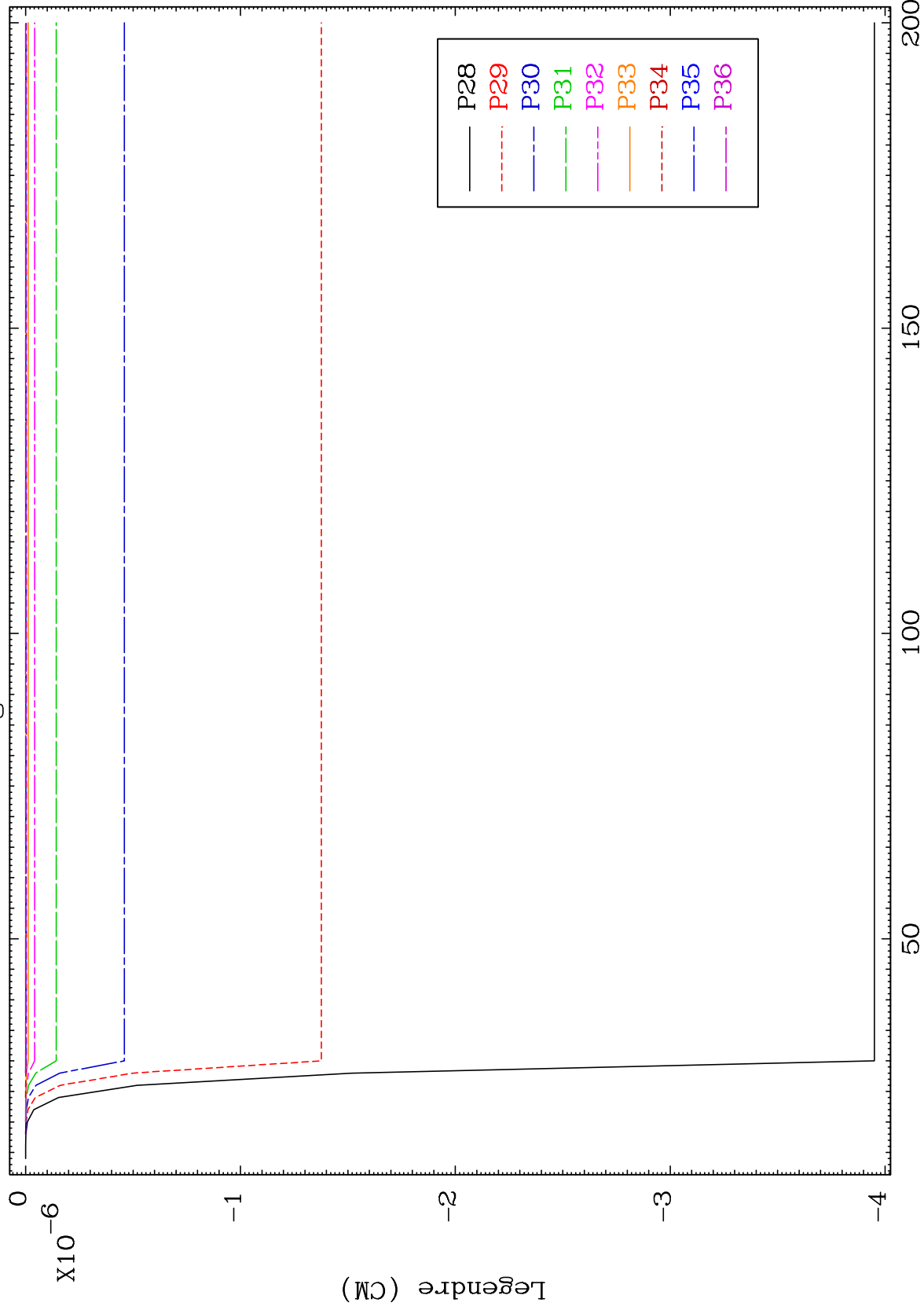
Incident Energy (MeV)

64-Gd-142

MAT 6395

MT= 64 (n,n') Level  
Legendre Coefficients

64-Gd-142



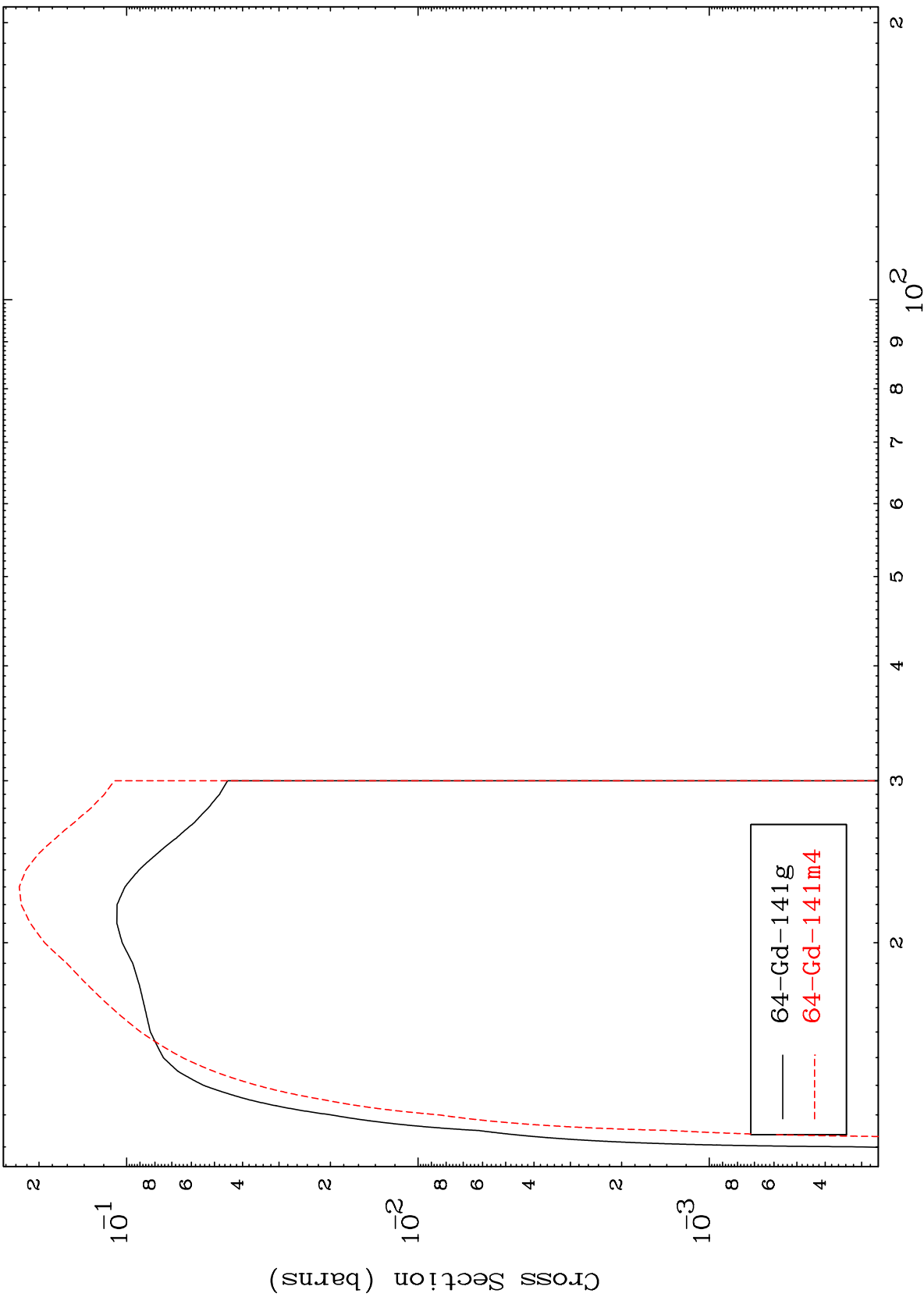
71

Incident Energy (MeV)

64-Gd-142



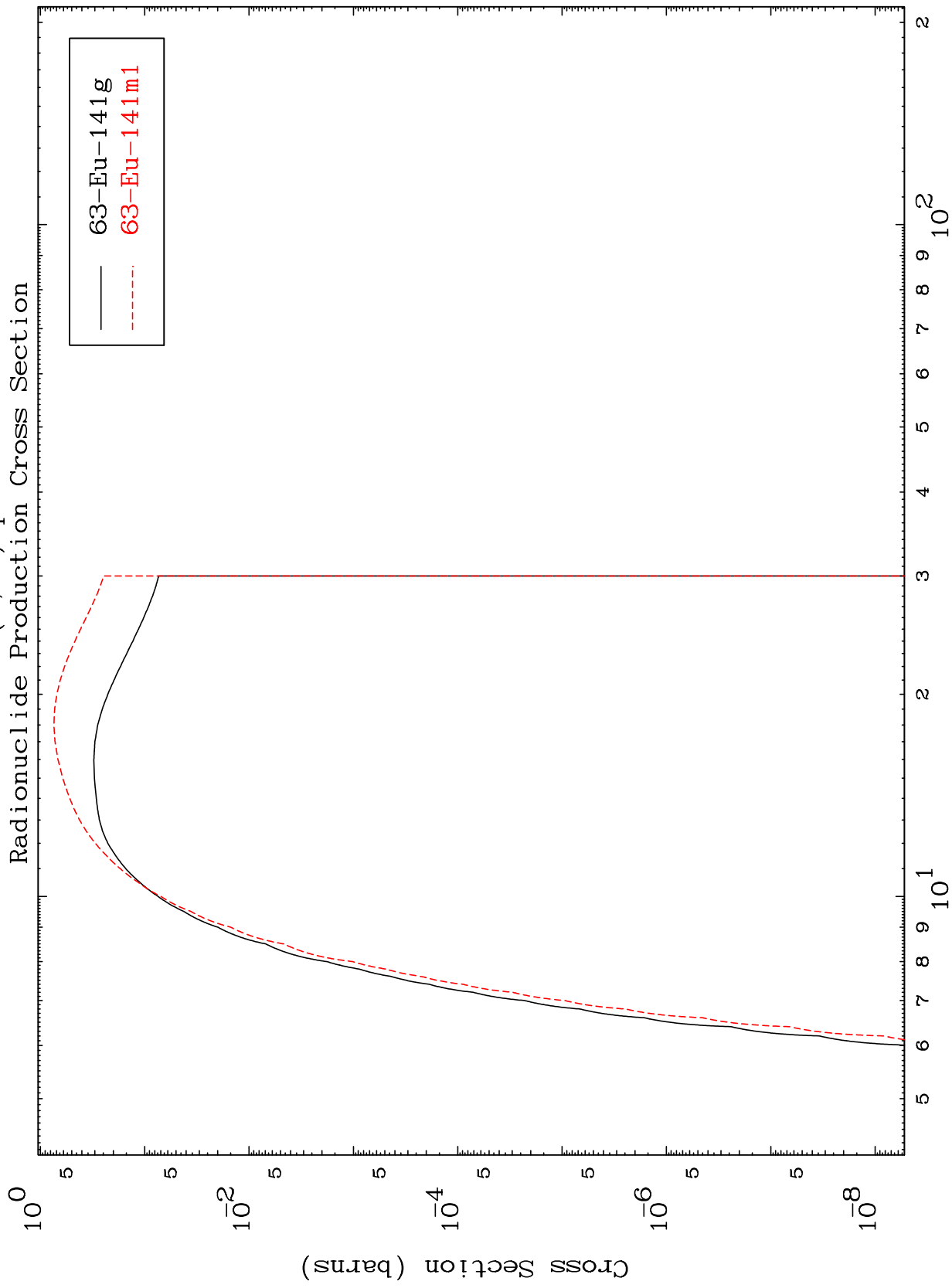
Radionuclide Production Cross Section (n,2n)



MAT 6395

(n,n') p

64-Gd-142



73

Incident Energy (MeV)

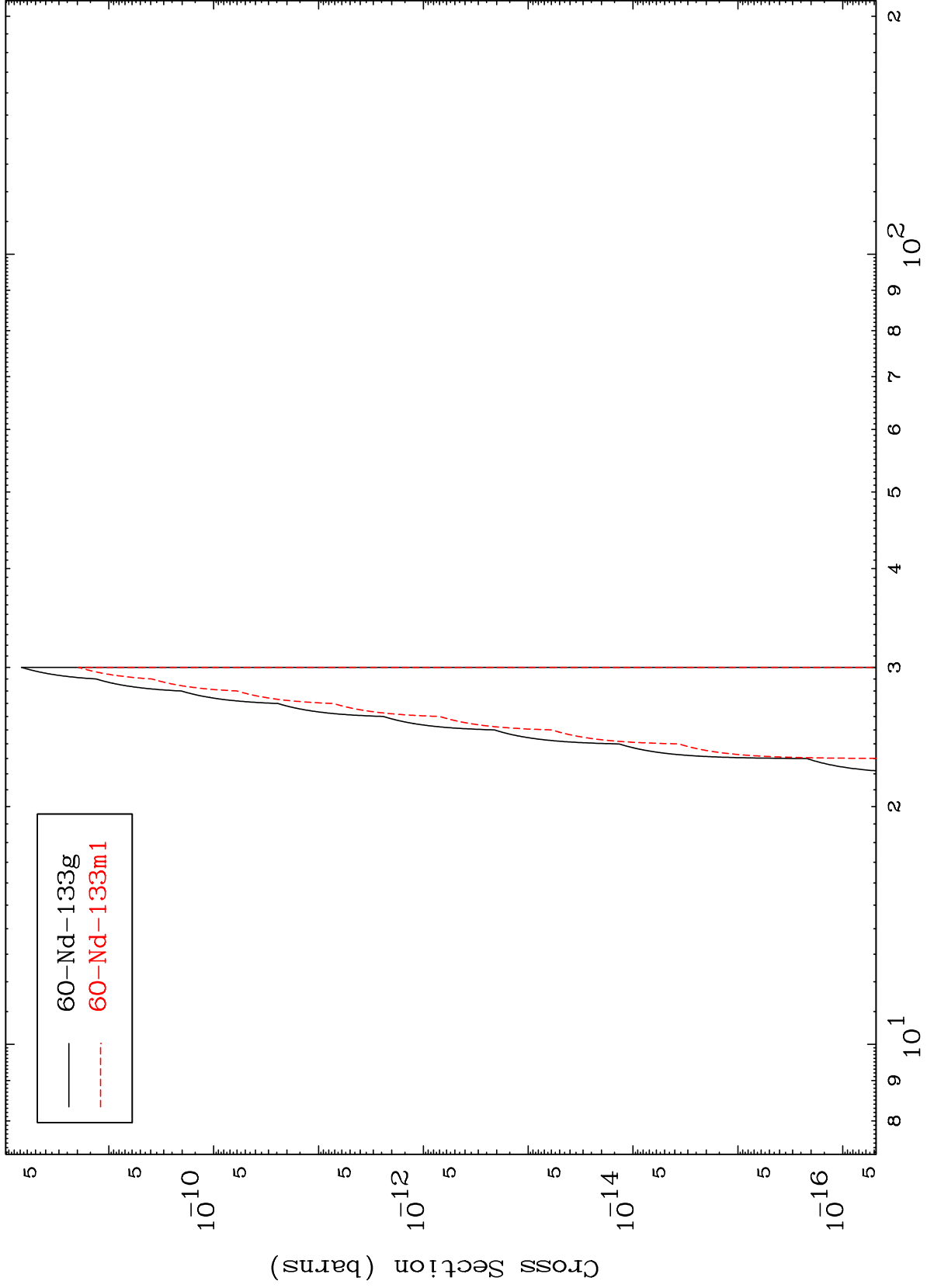
64-Gd-142

MAT 6395

(n,2n) 2α

64-Gd-142

Radionuclide Production Cross Section



74

Incident Energy (MeV)

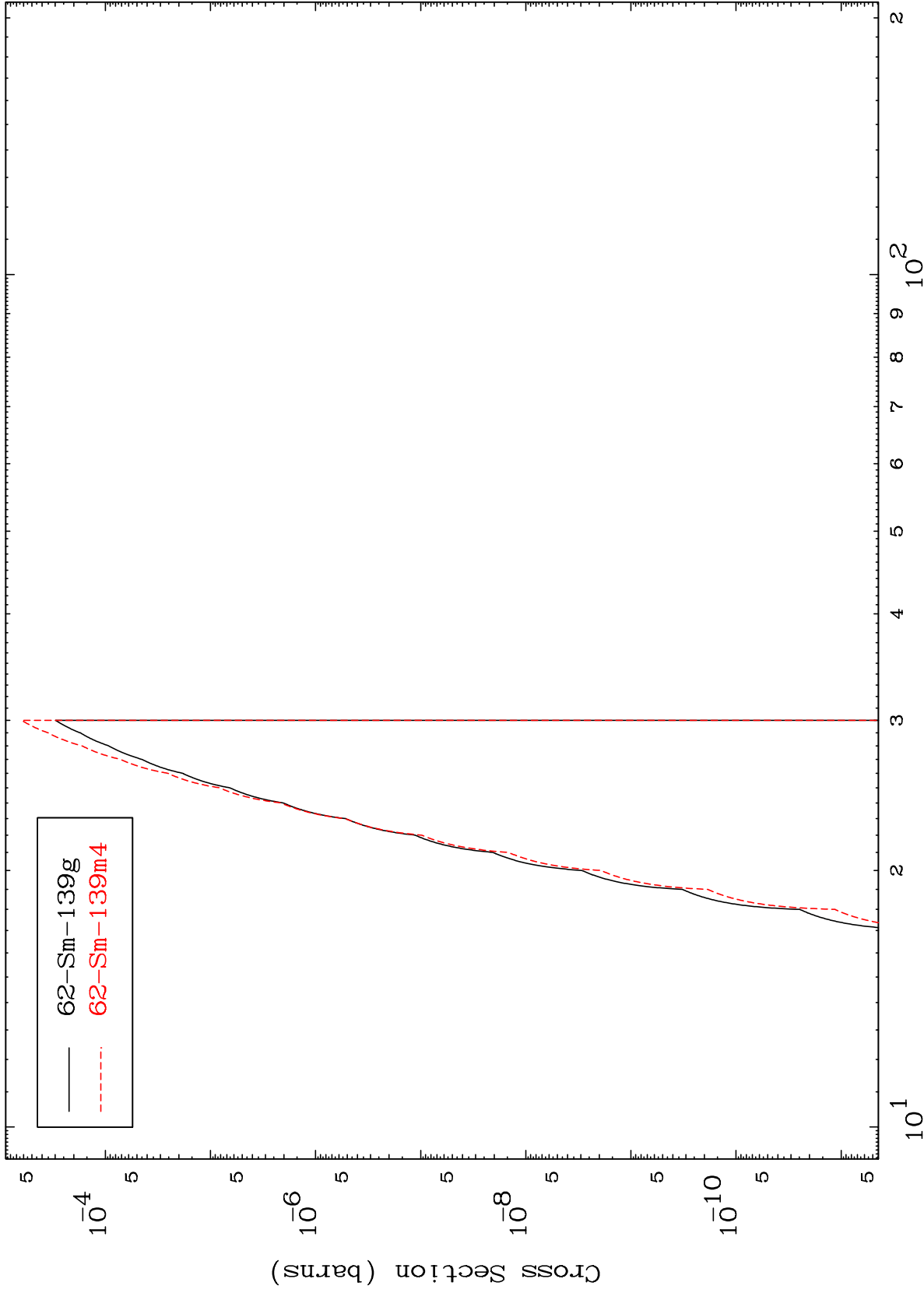
64-Gd-142

MAT 6395

(n,n') He-3

64-Gd-142

Radionuclide Production Cross Section



75

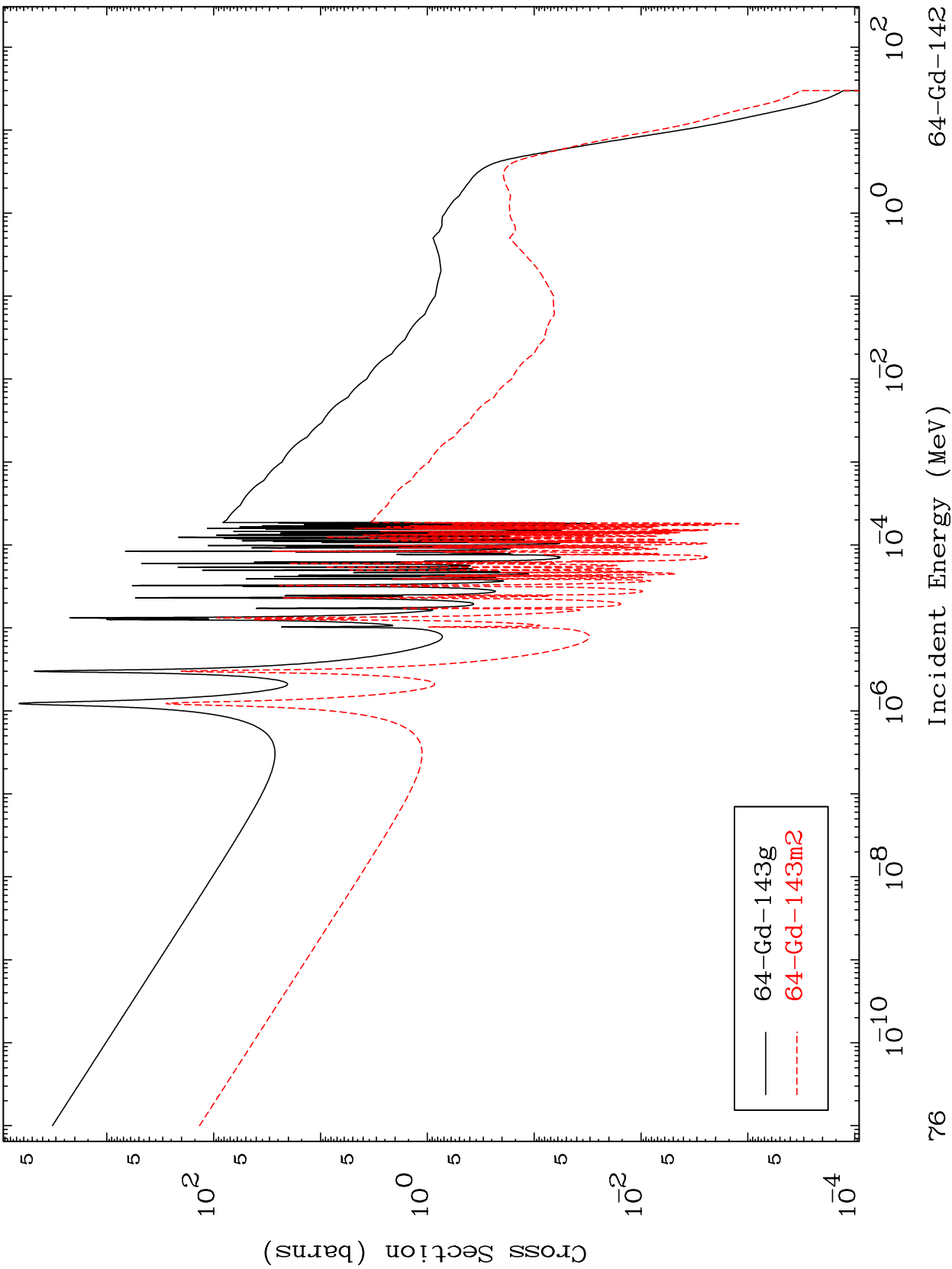
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

(n,  $\gamma$ )  
Radionuclide Production Cross Section

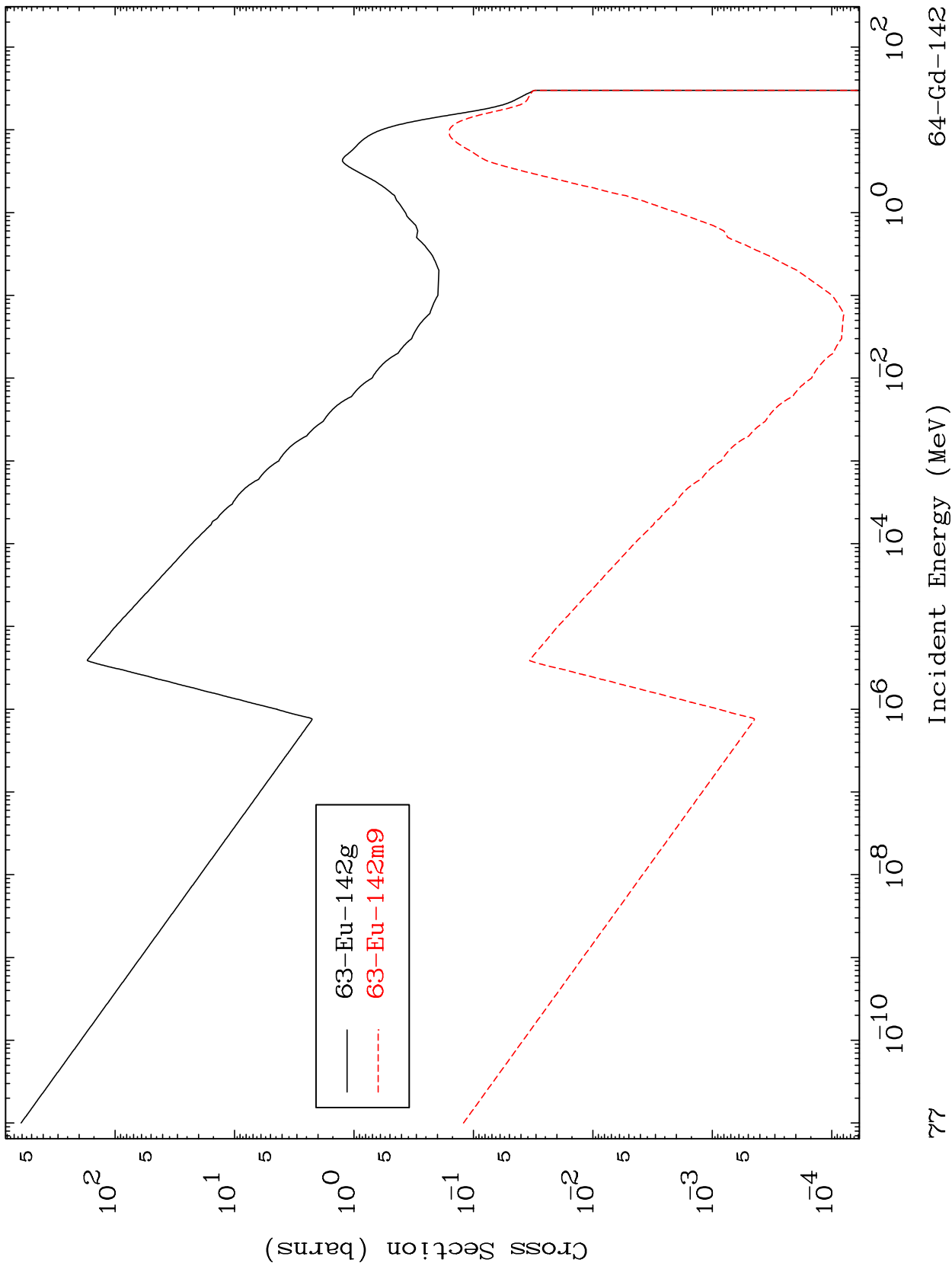


76

MAT 6395

64-Gd-142

(n,p)  
Radionuclide Production Cross Section

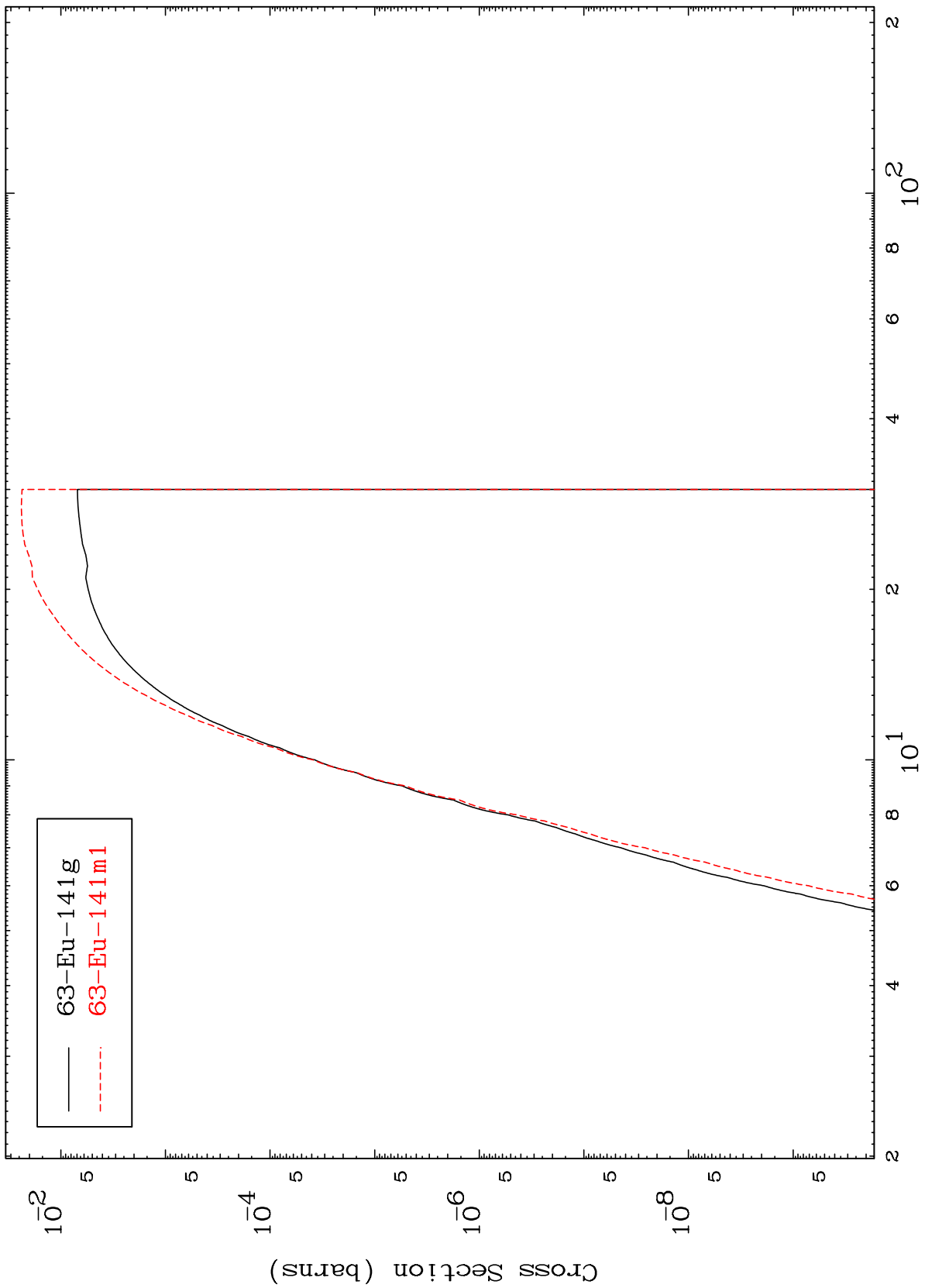


MAT 6395

(n,d)

64-Gd-142

Radionuclide Production Cross Section



78

Incident Energy (MeV)

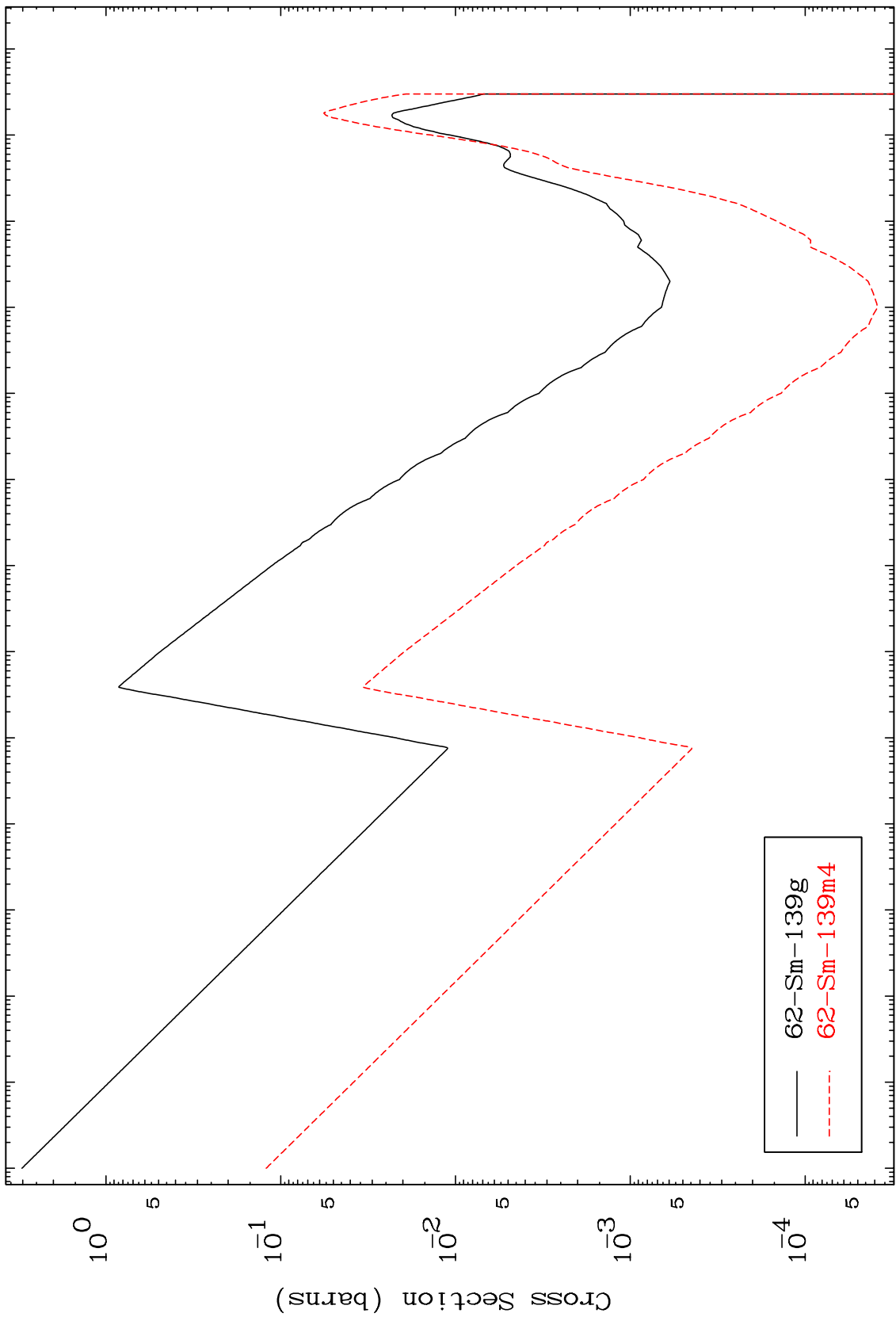
64-Gd-142

MAT 6395

64-Gd-142

Radionuclide Production Cross Section

(n,  $\alpha$ )



64-Gd-142

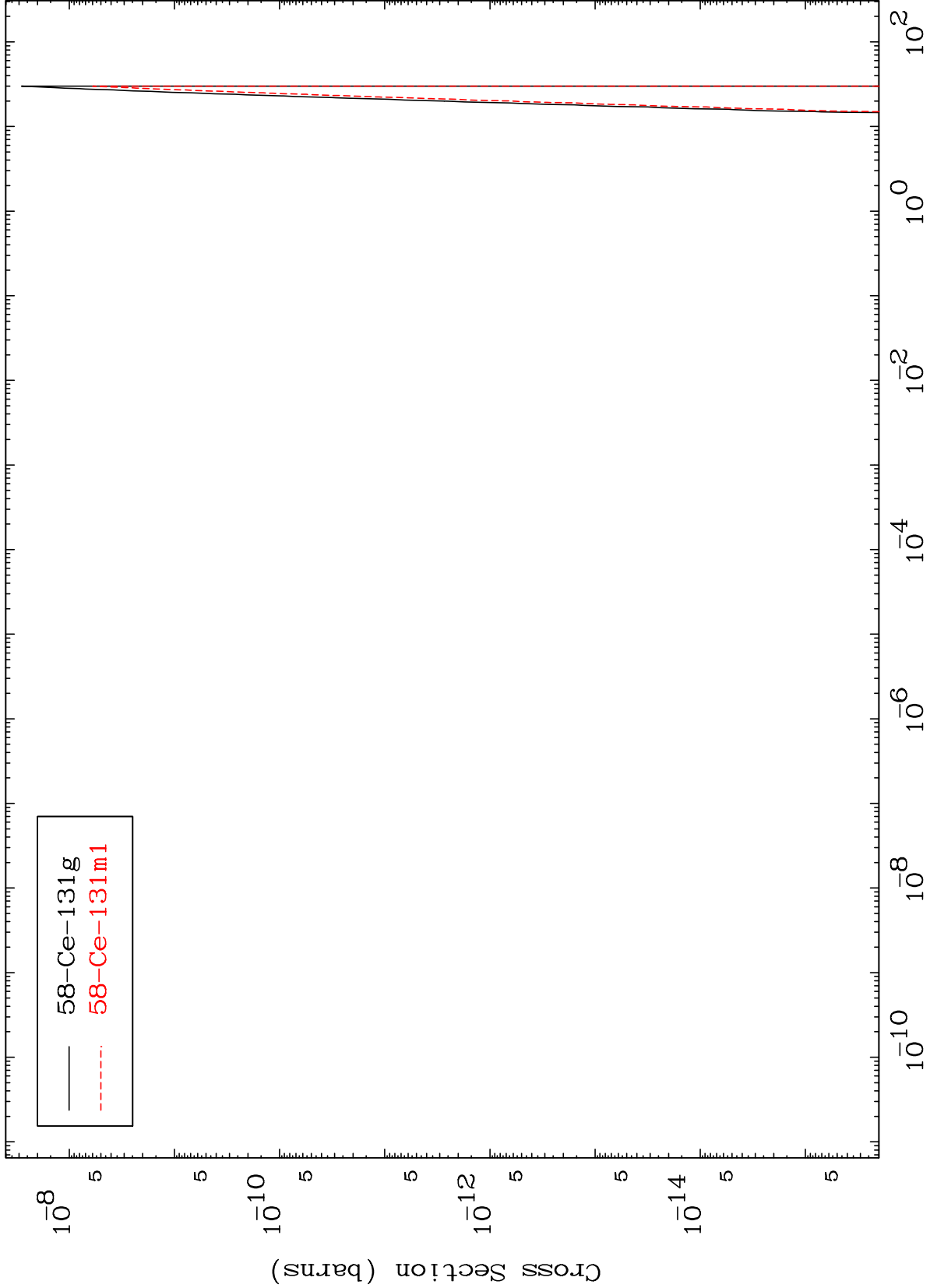
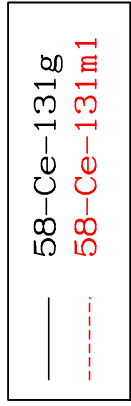


MAT 6395

(n, 3α)

64-Gd-142

Radionuclide Production Cross Section



80

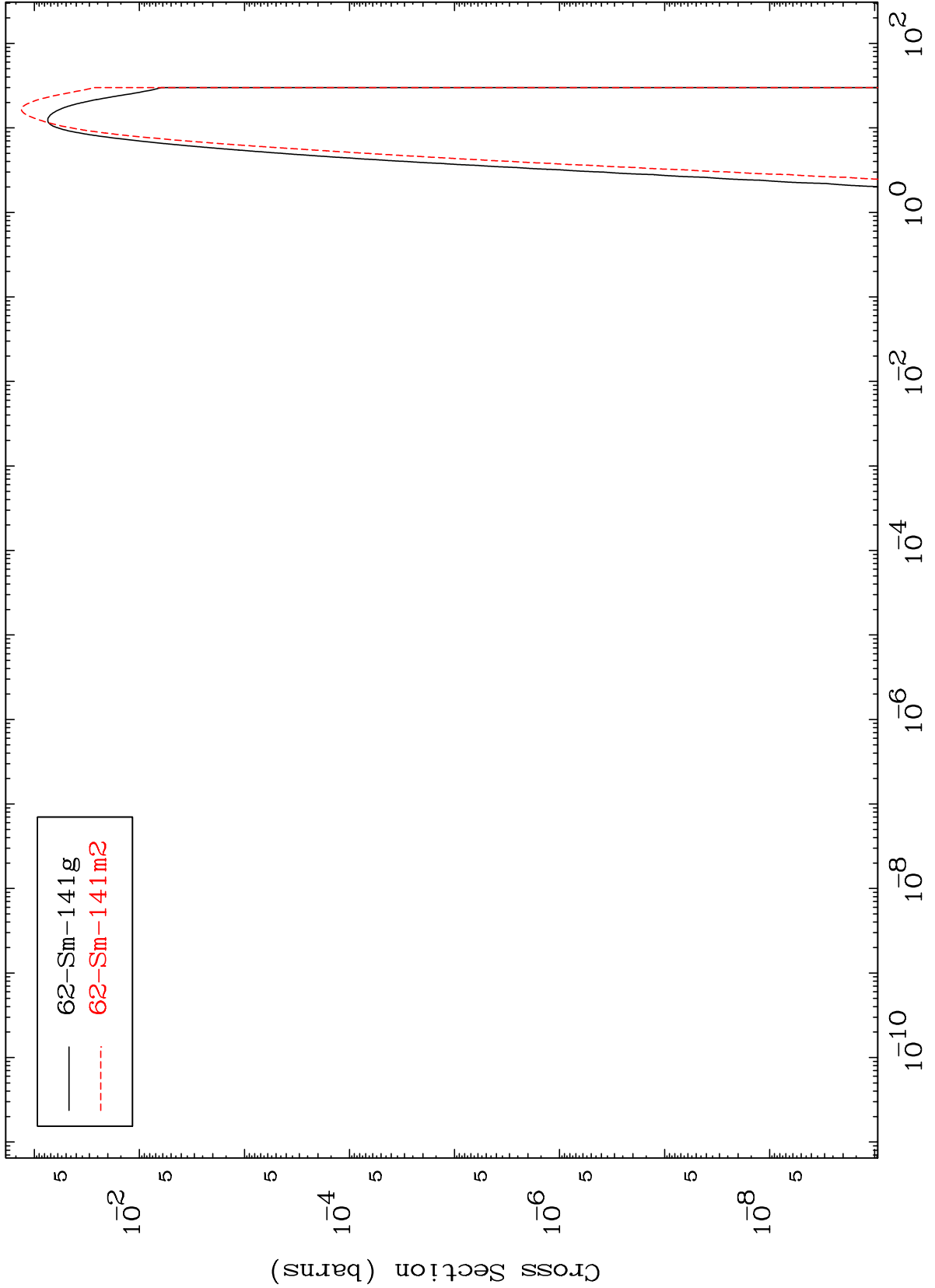
64-Gd-142

MAT 6395

(n,2p)

64-Gd-142

Radionuclide Production Cross Section

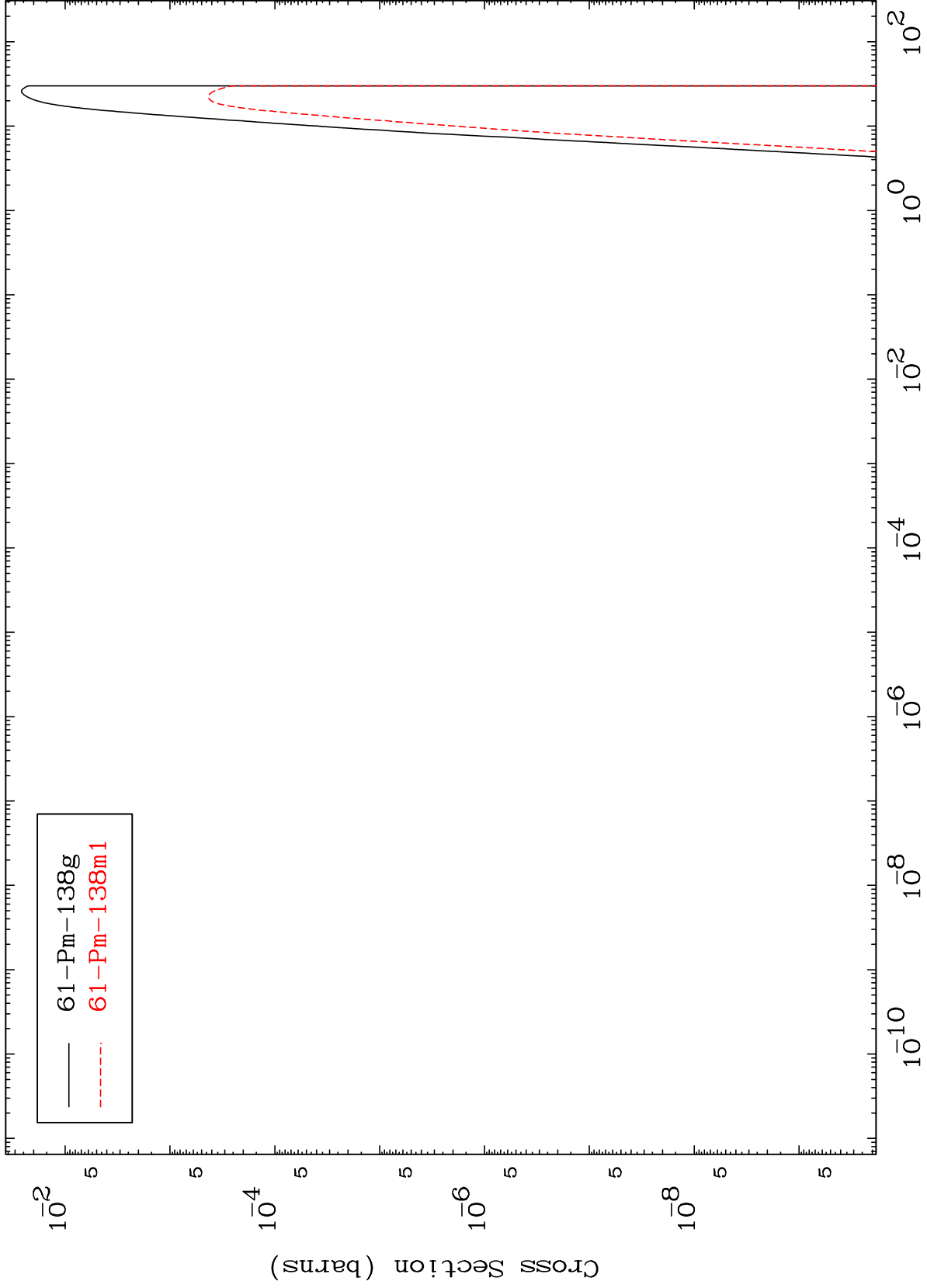


MAT 6395

(n,p)  $\alpha$

64-Gd-142

Radionuclide Production Cross Section



82

Incident Energy (MeV)

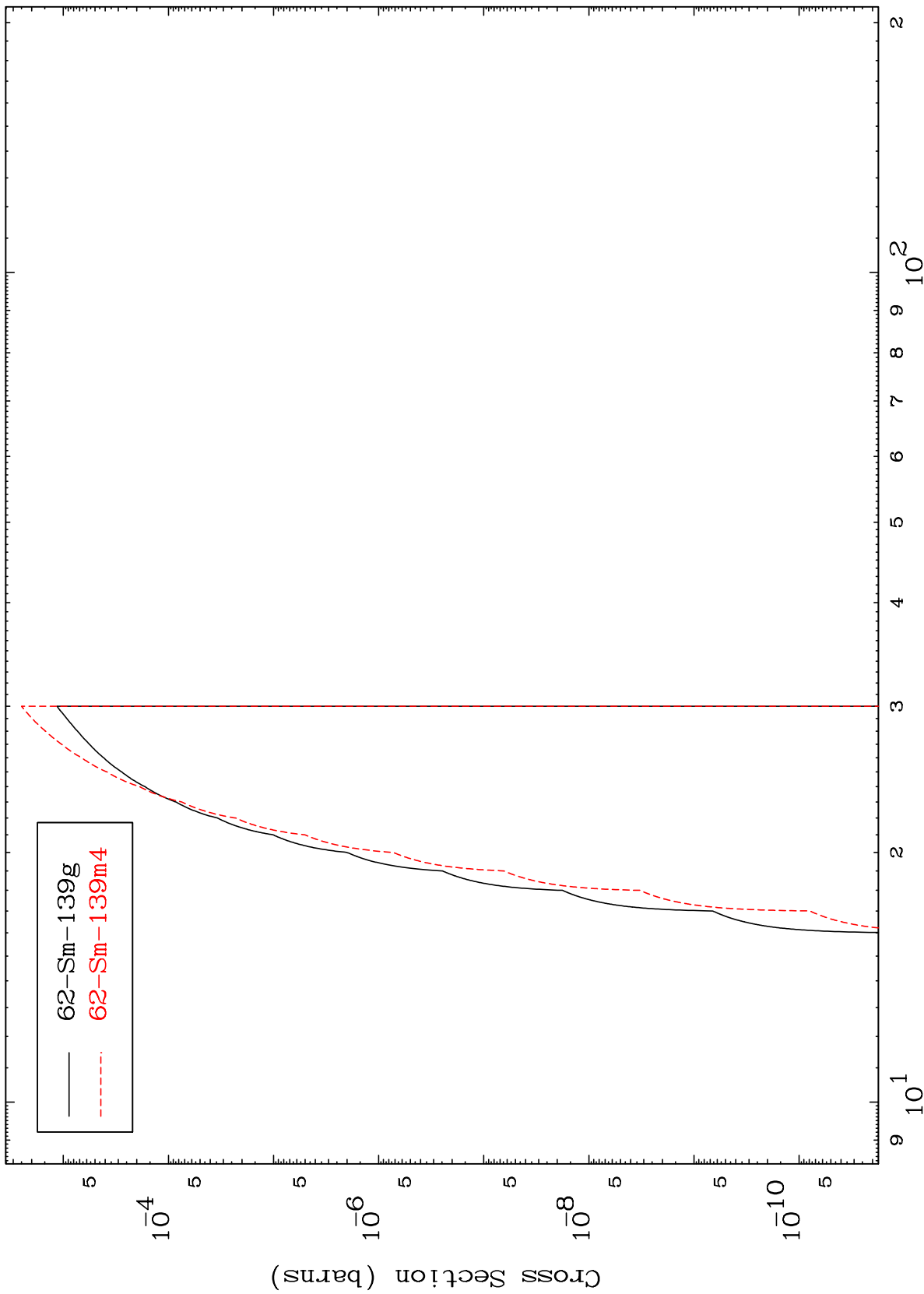
64-Gd-142

MAT 6395

(n,p) t

64-Gd-142

Radionuclide Production Cross Section



83

Incident Energy (MeV)

64-Gd-142