

Program EVALPLOT  
(Version 2018-1)

by

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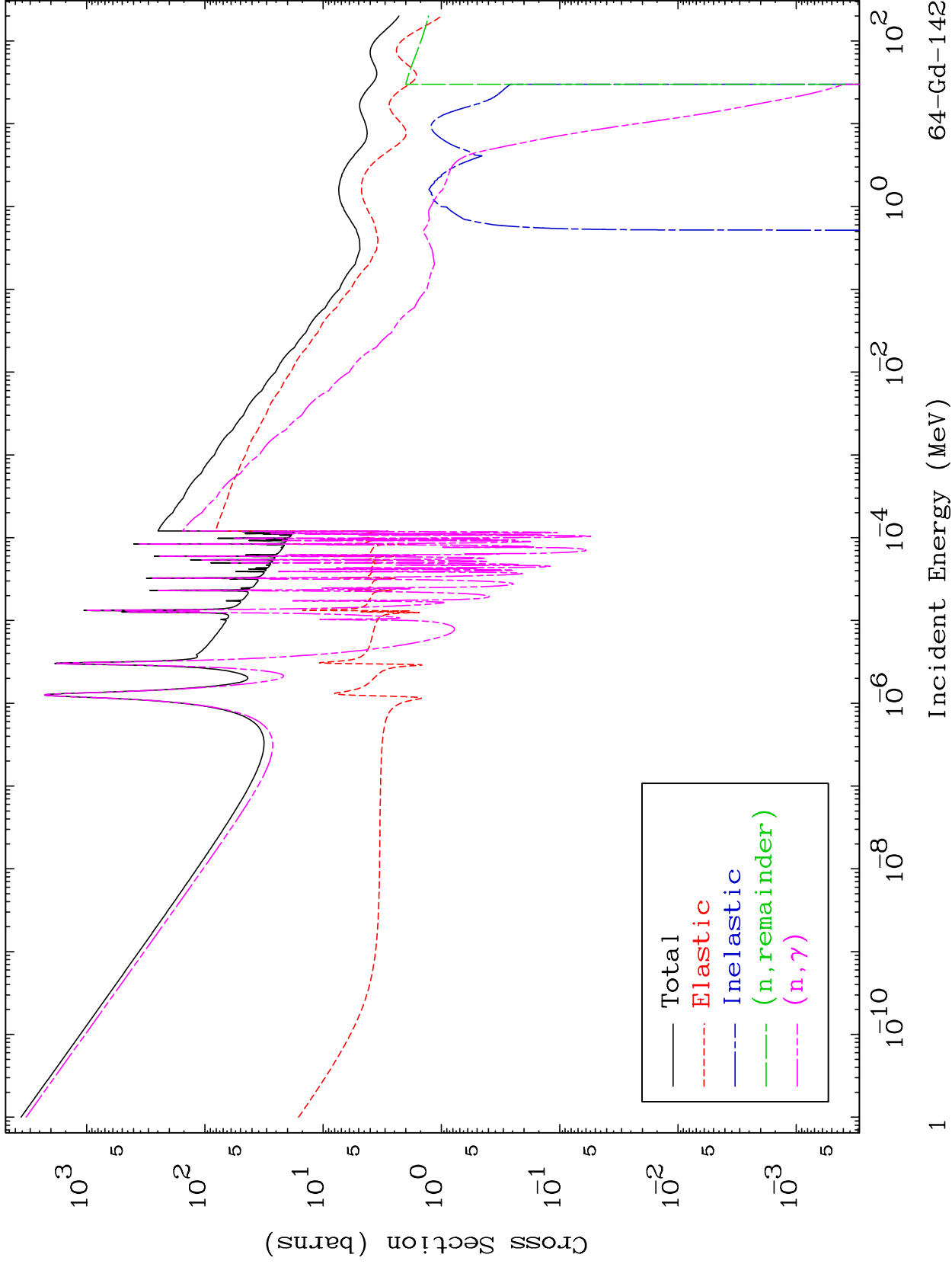
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Press Mouse Button to Start

MAT 6395

Major  
293 Kelvin Cross Sections

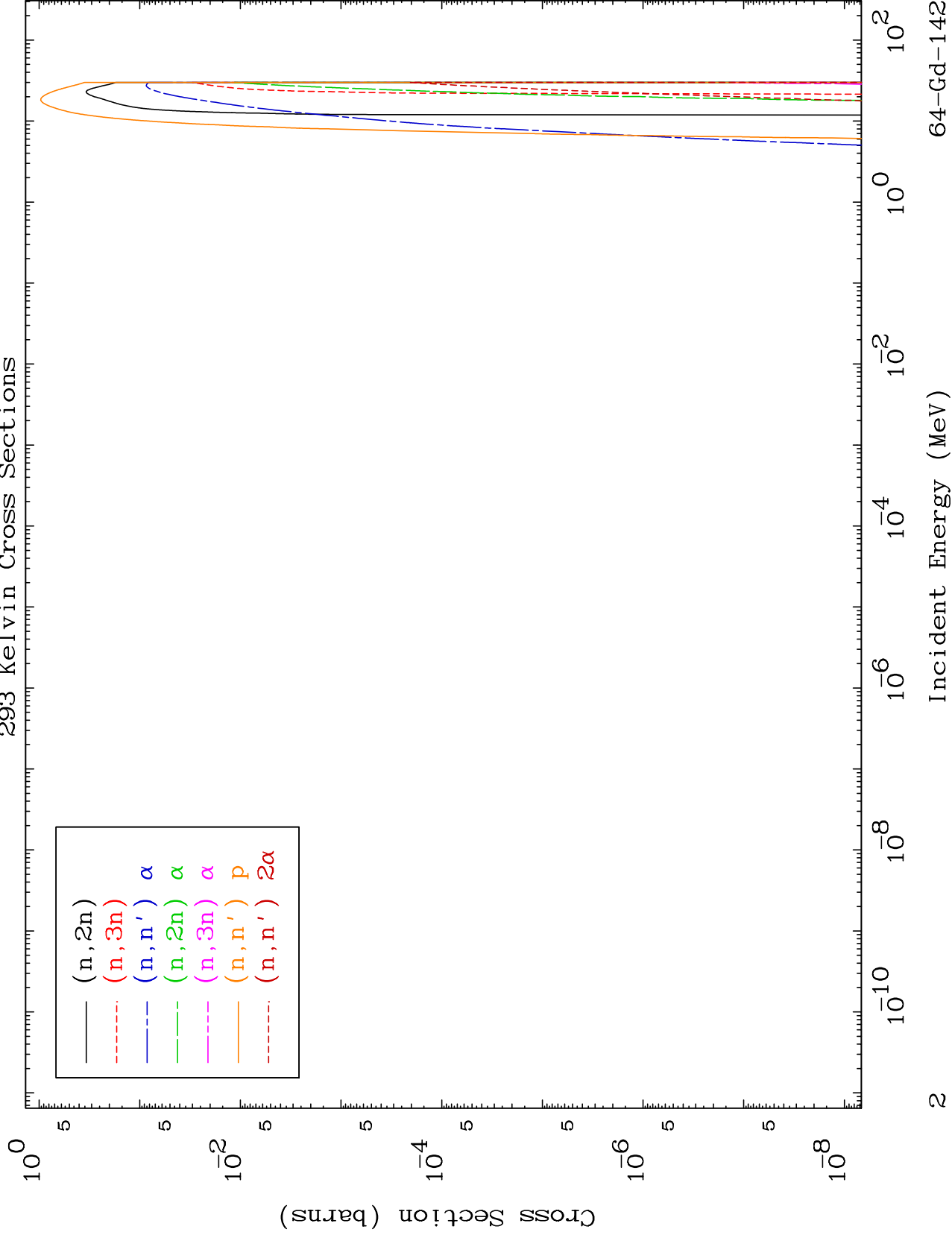
64-Gd-142

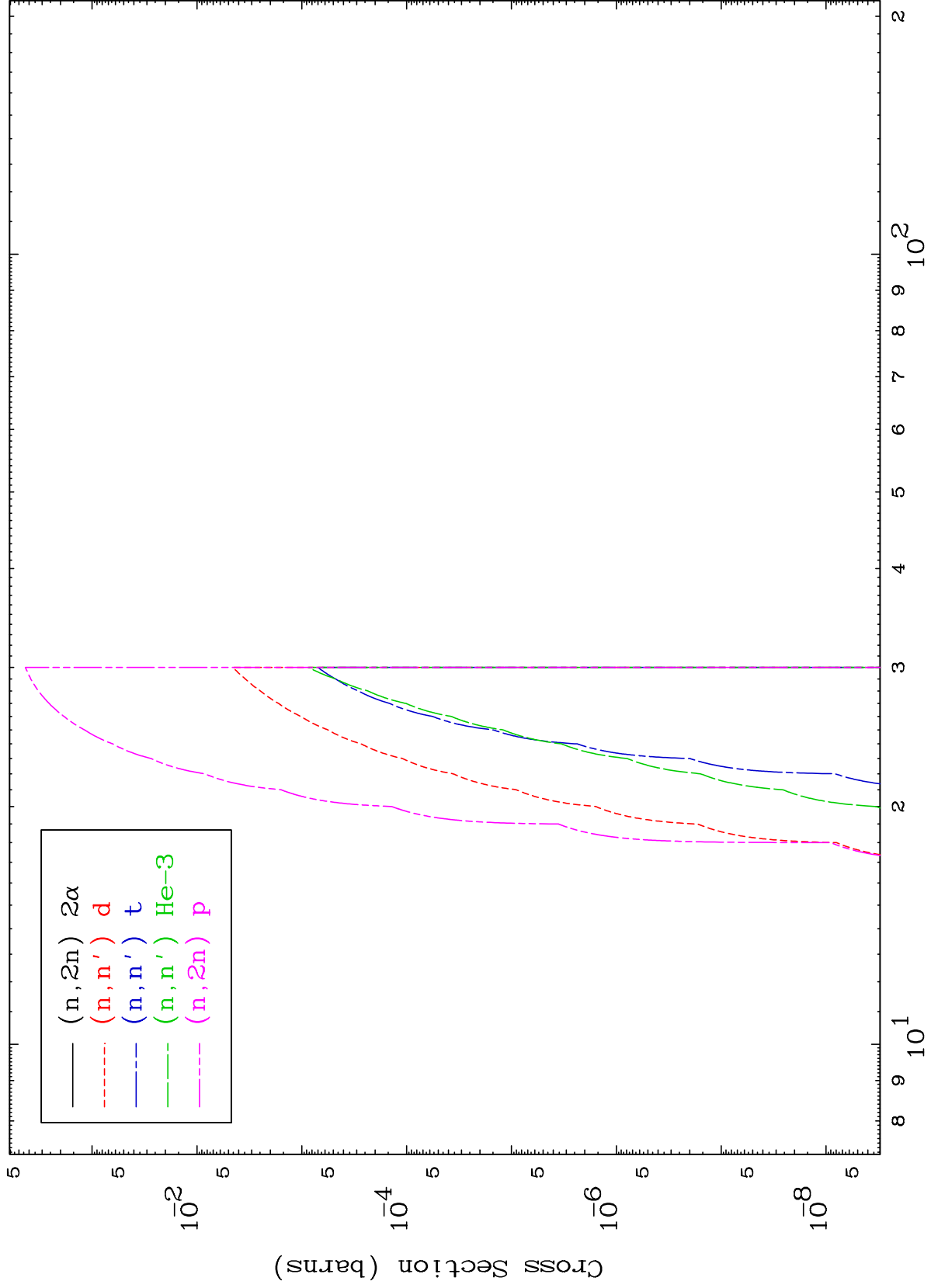


MAT 6395

Neutron Production  
293 Kelvin Cross Sections

64-Gd-142

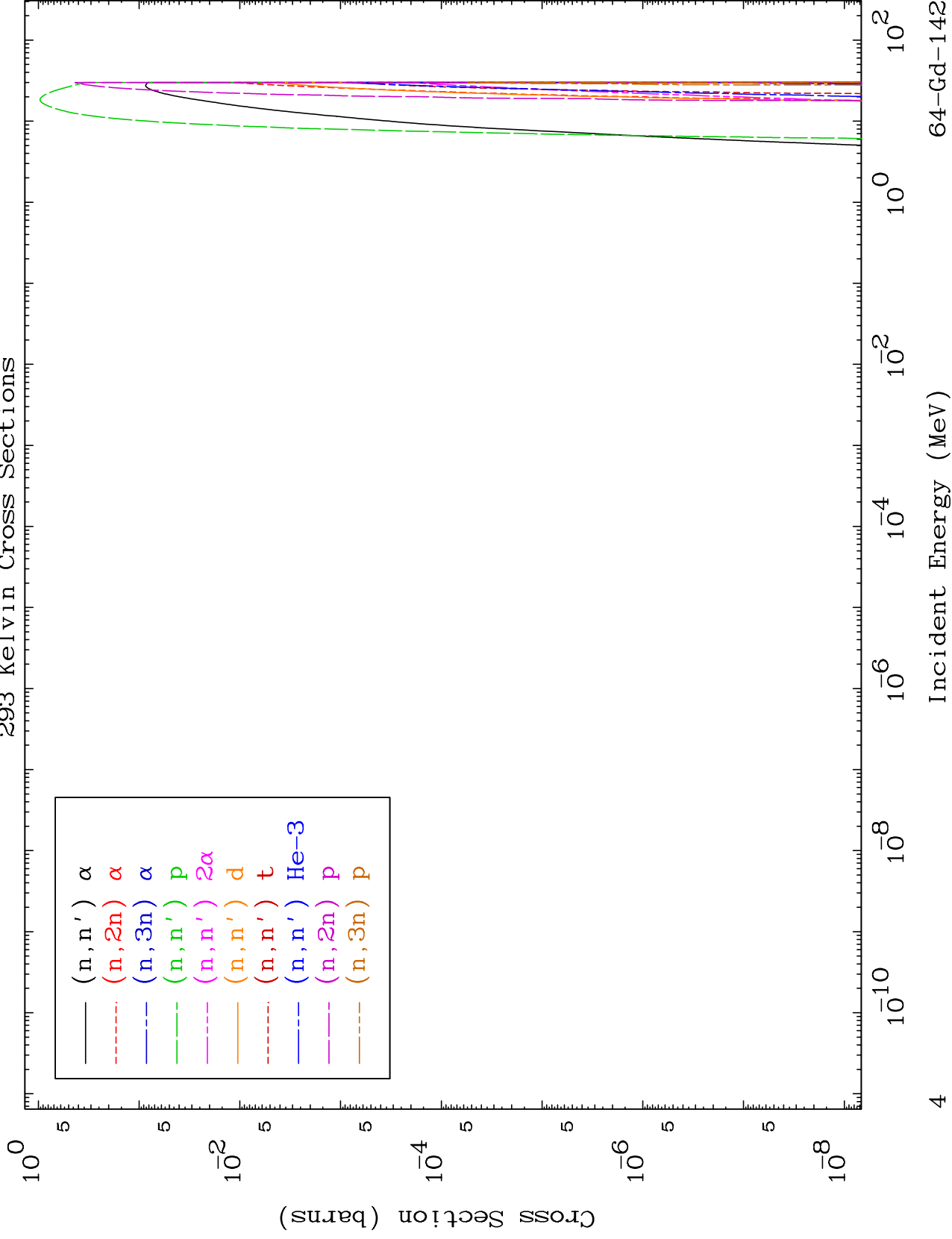




MAT 6395

Charged Particle  
293 Kelvin Cross Sections

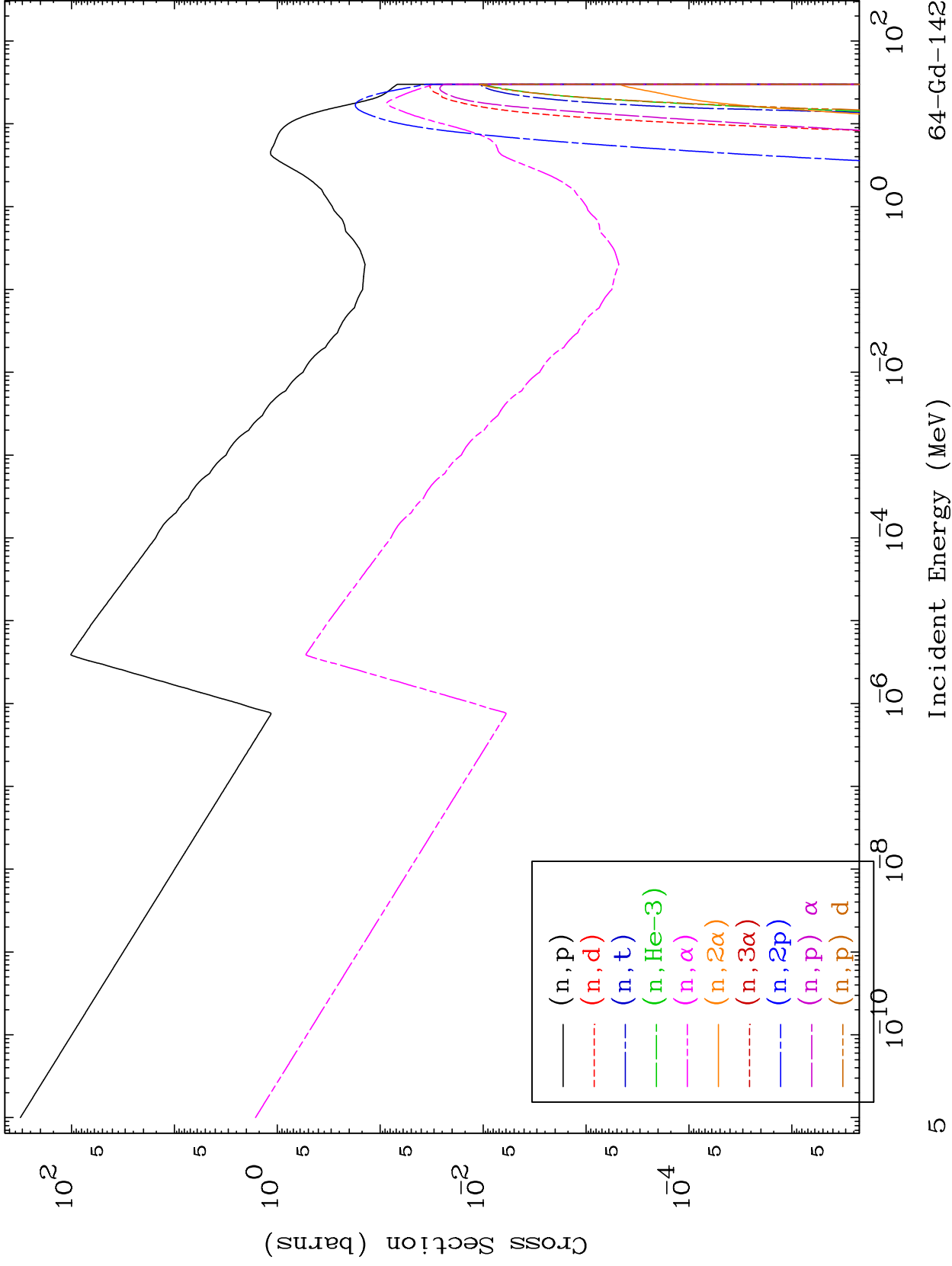
64-Gd-142



MAT 6395

Charged Particle  
293 Kelvin Cross Sections

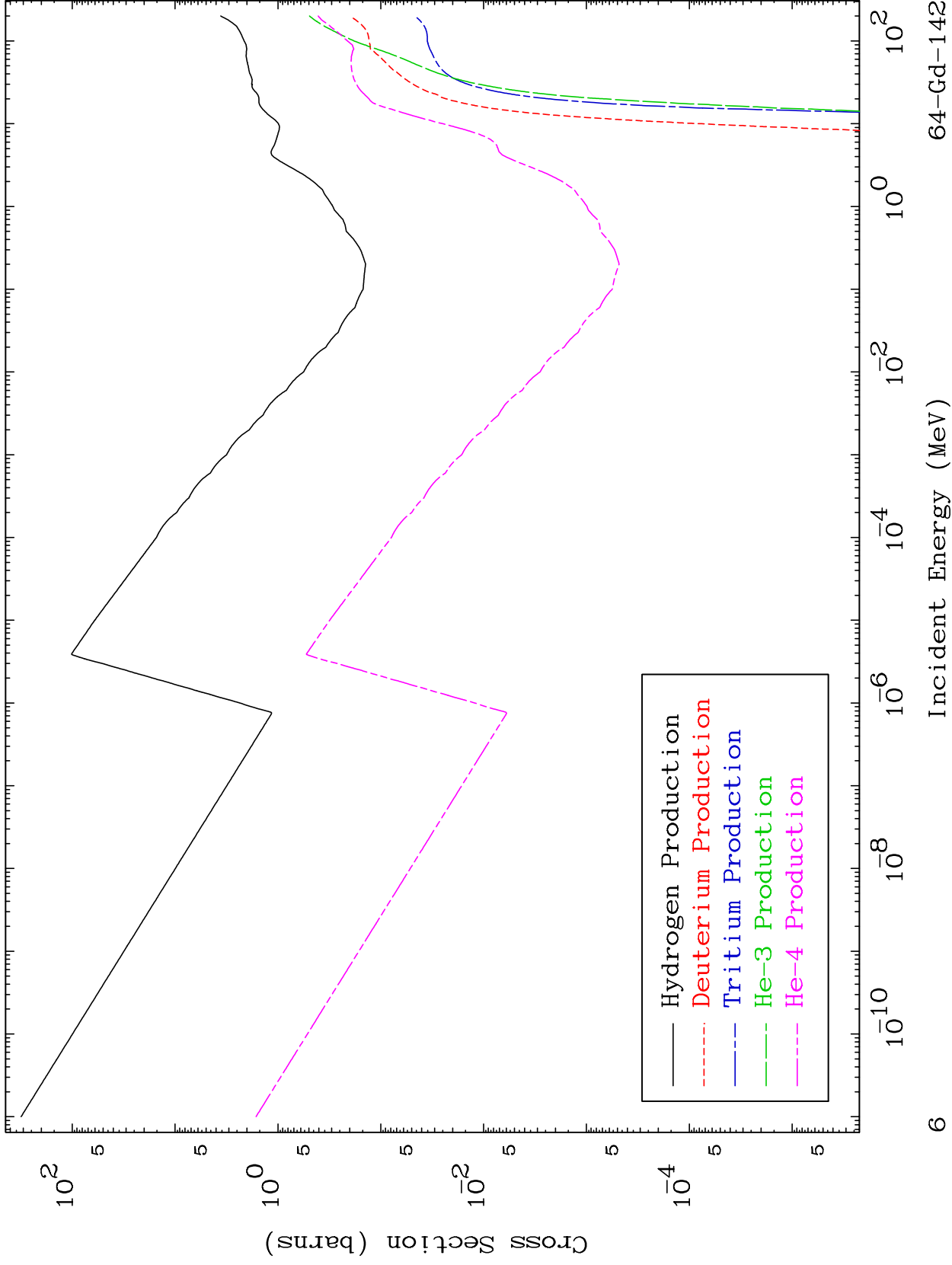
64-Gd-142



MAT 6395

Particle Production  
293 Kelvin Cross Sections

64-Gd-142

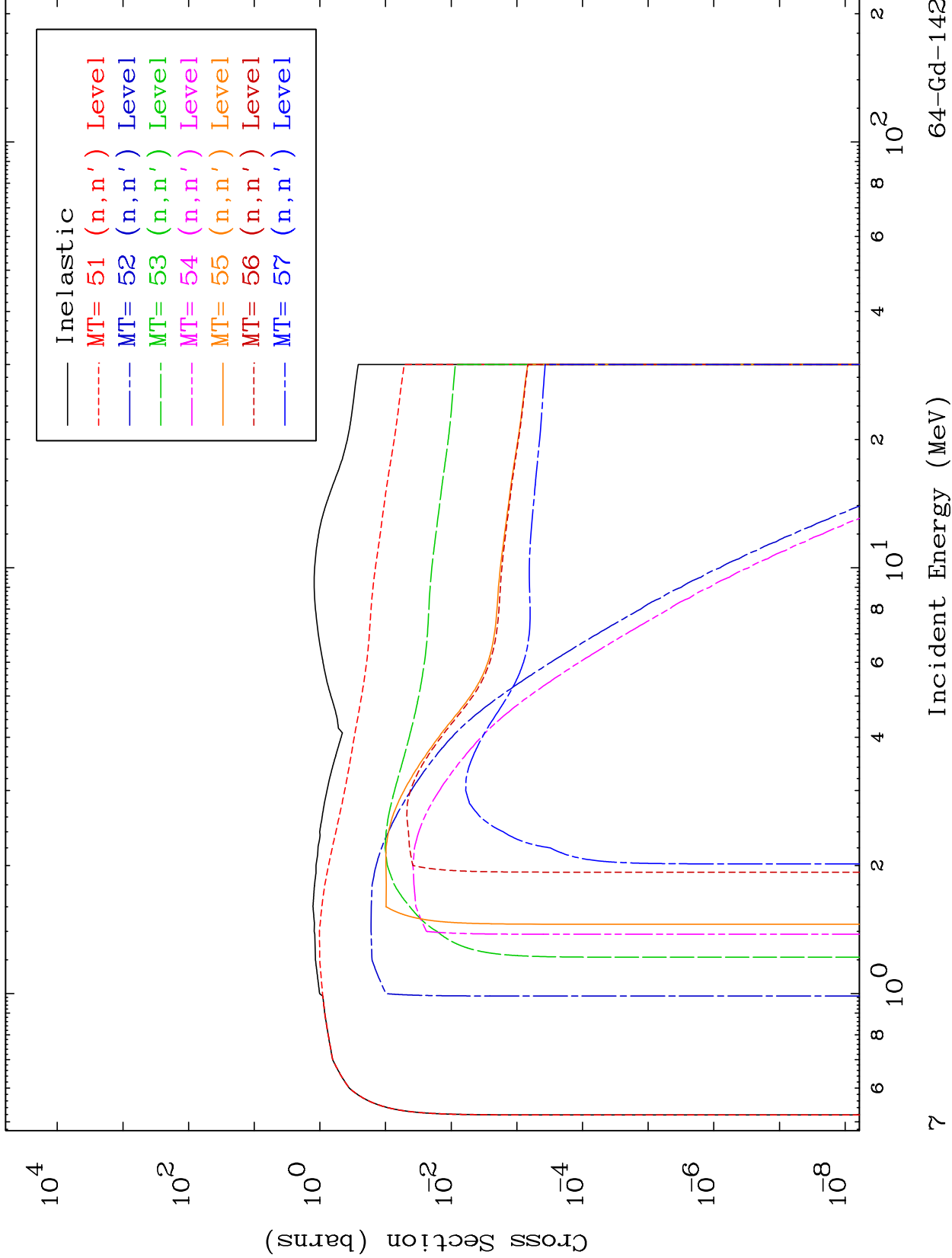


MAT 6395

(n,n') Level

64-Gd-142

293 Kelvin Cross Sections



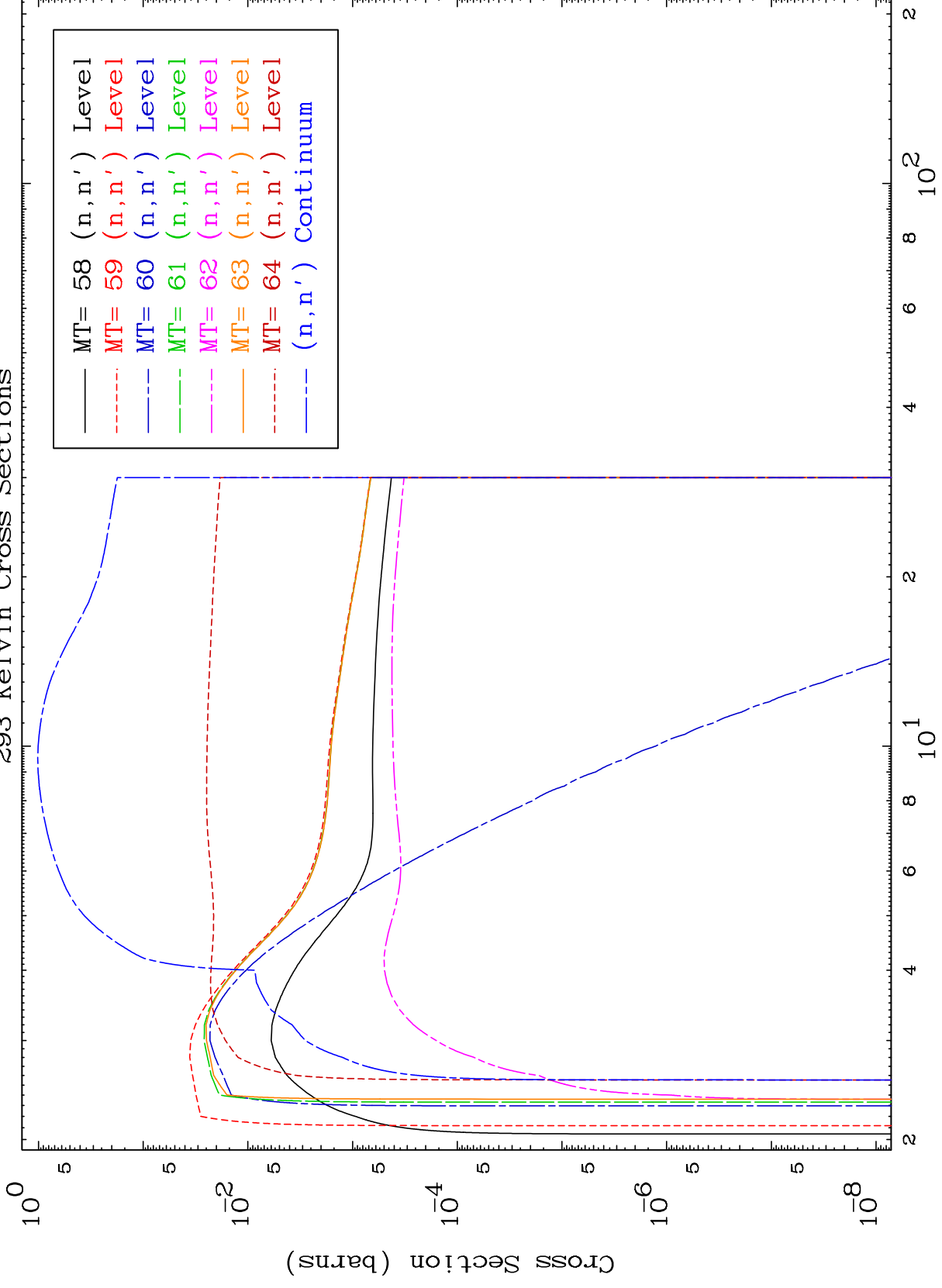


MAT 6395

(n,n') Level

64-Gd-142

293 Kelvin Cross Sections



8

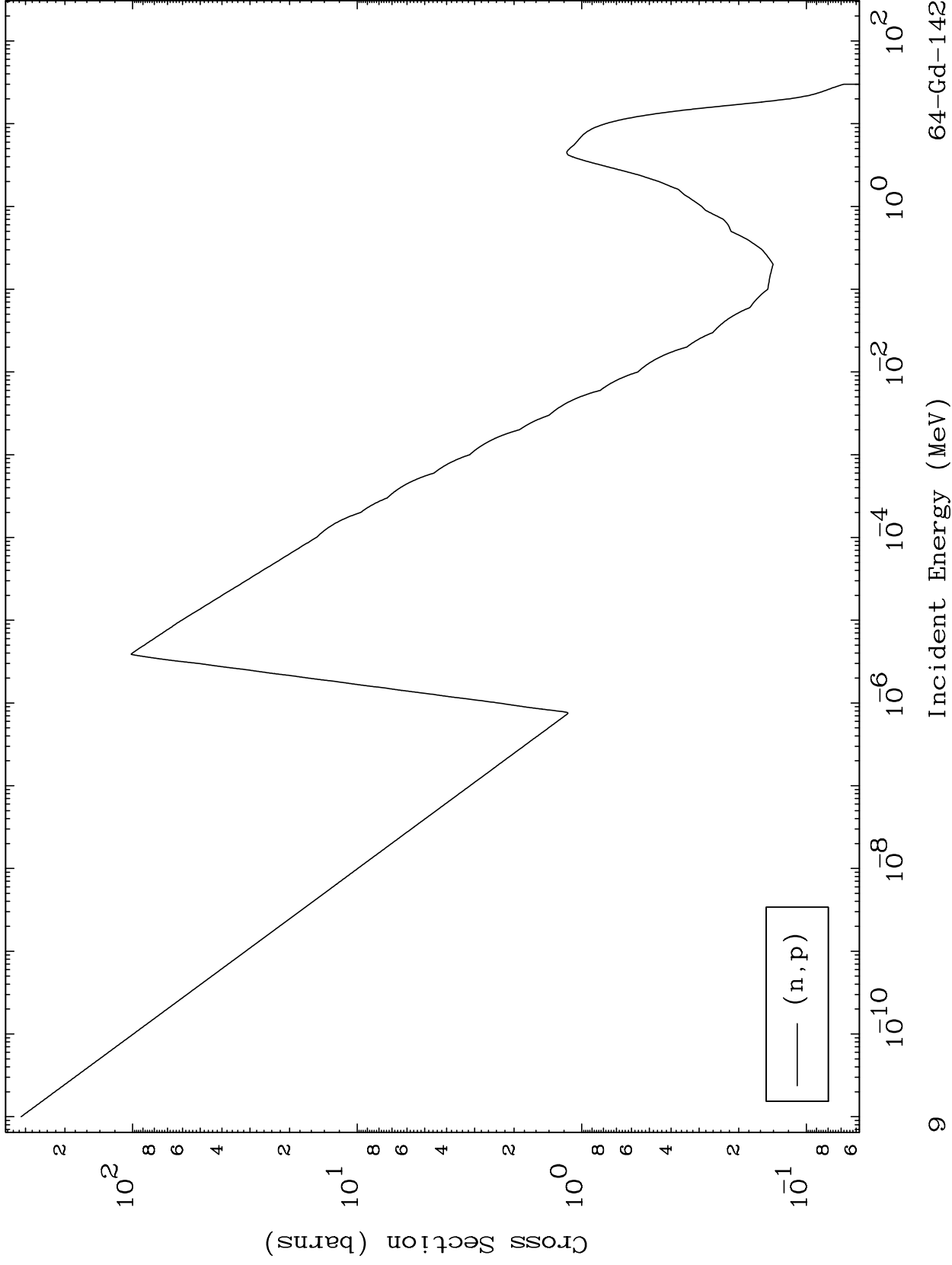
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,p) Levels  
293 Kelvin Cross Sections

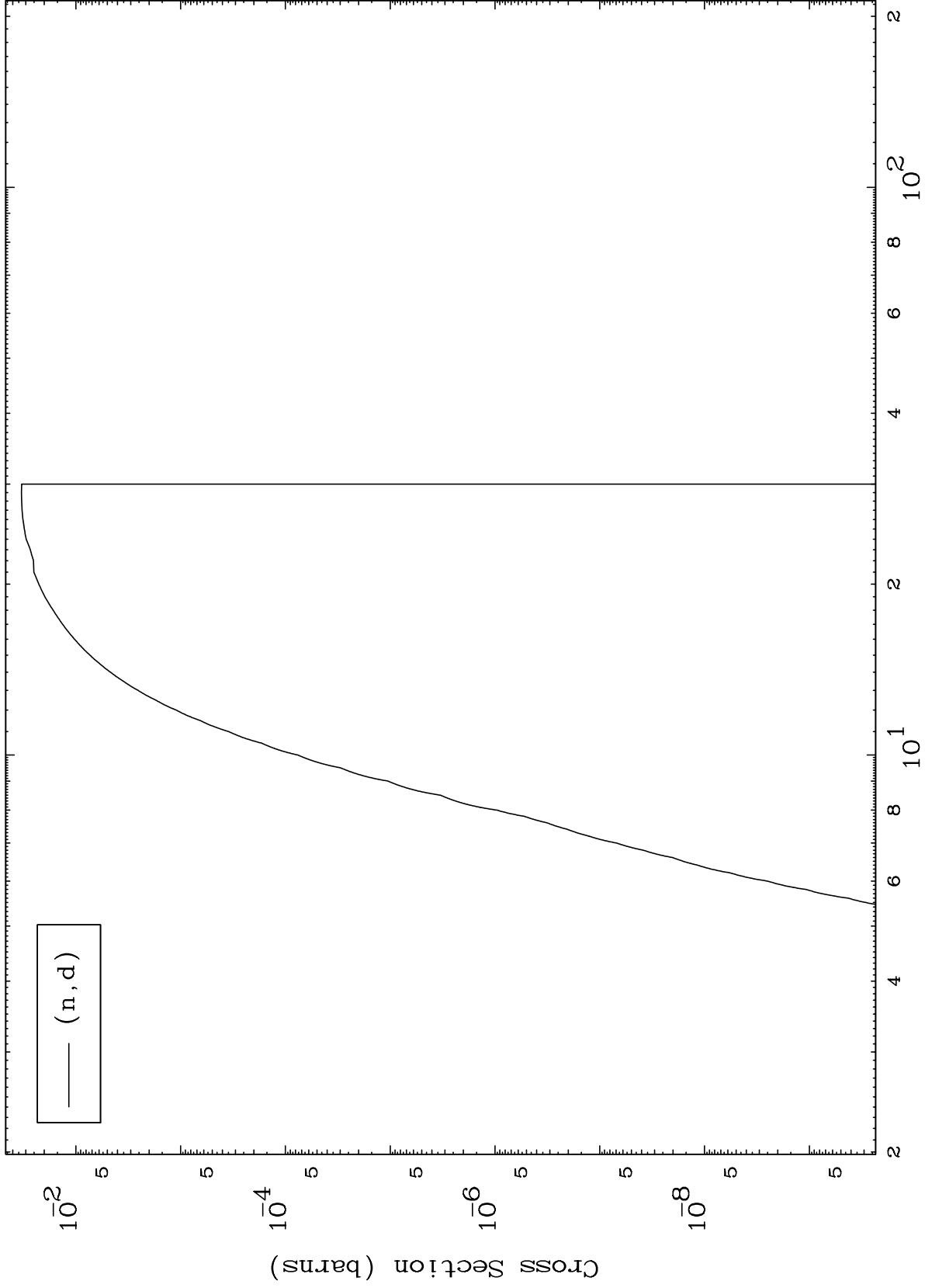
64-Gd-142



MAT 6395

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-142



10

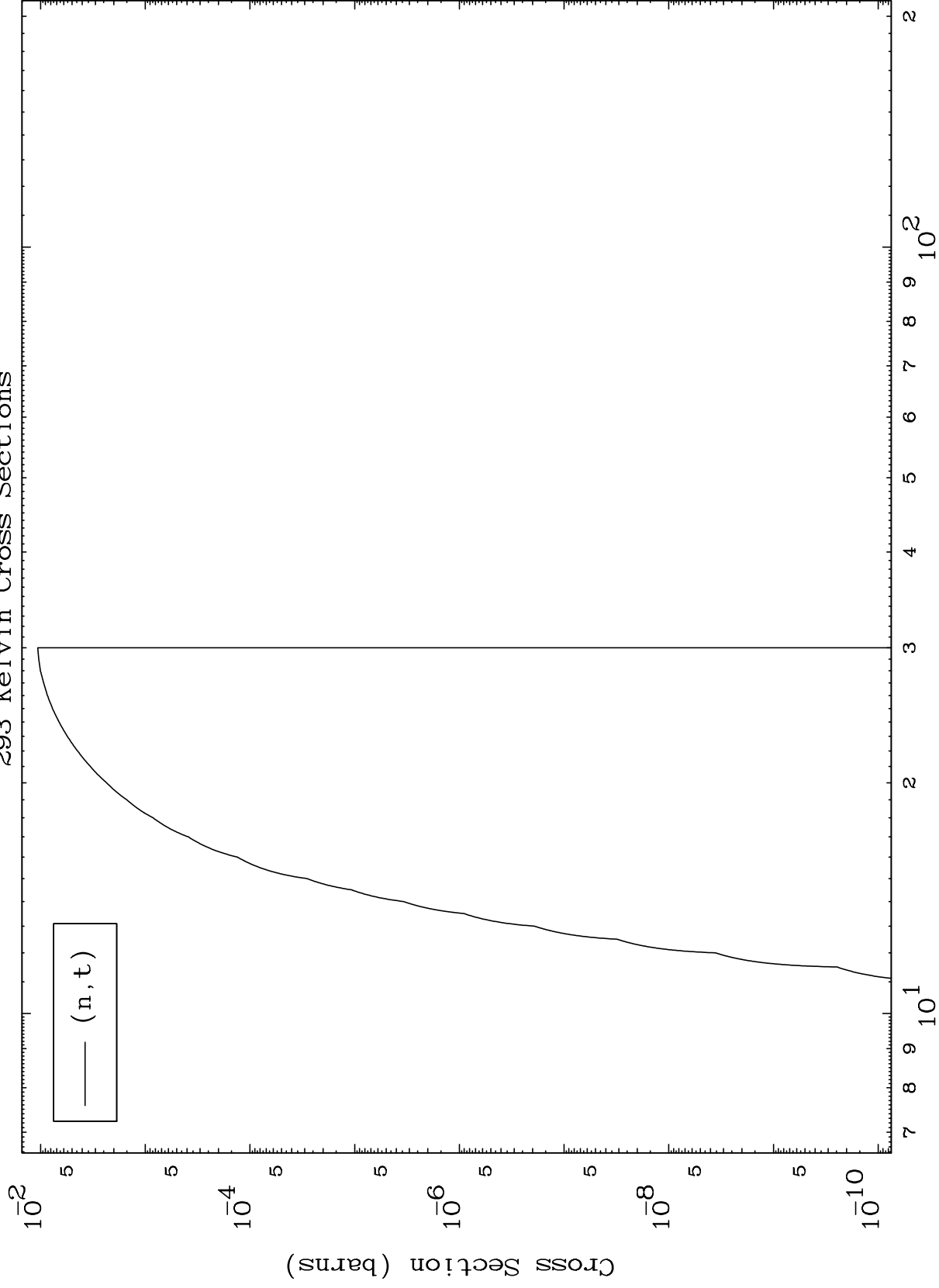
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-142



11

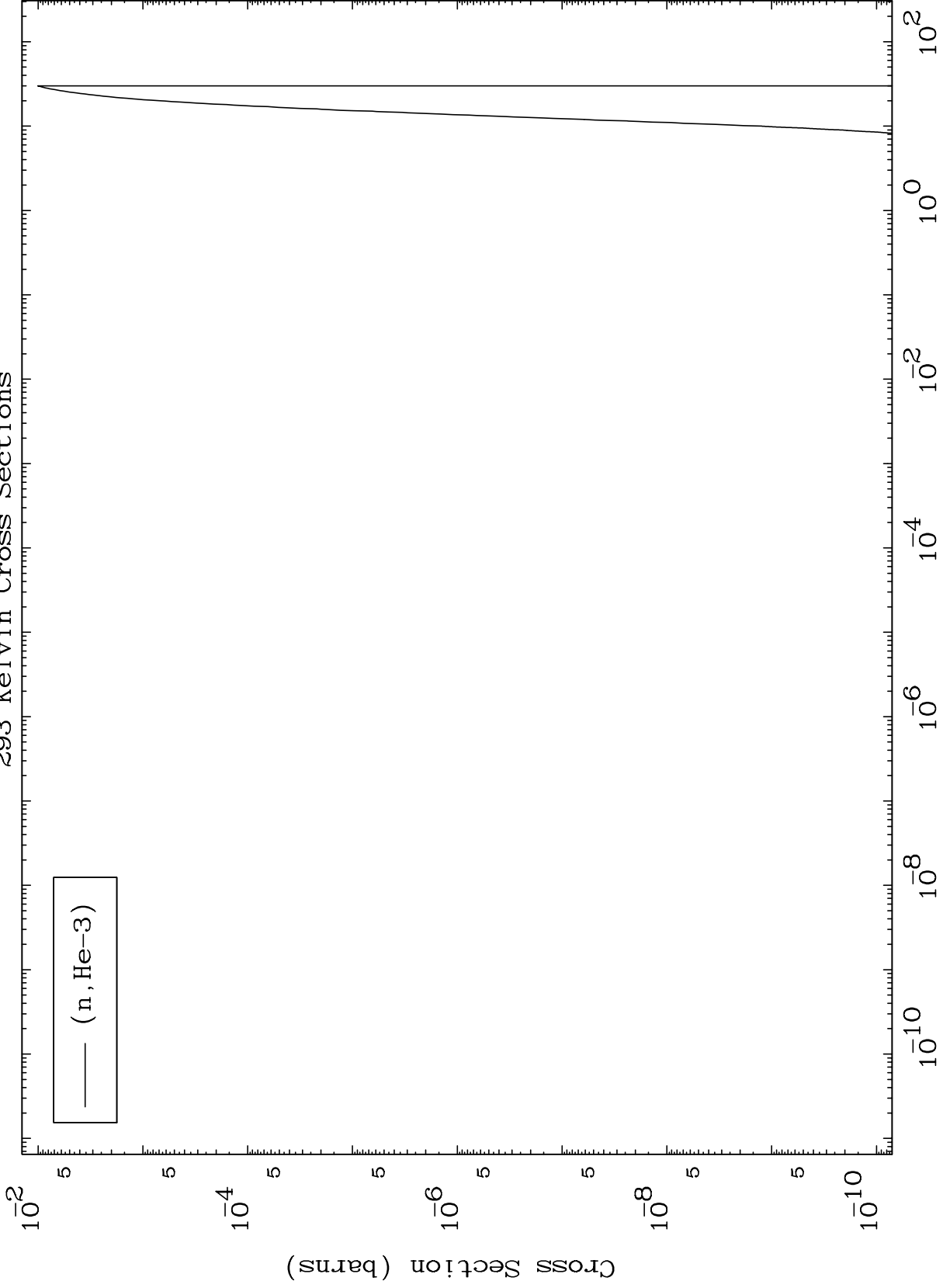
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-142

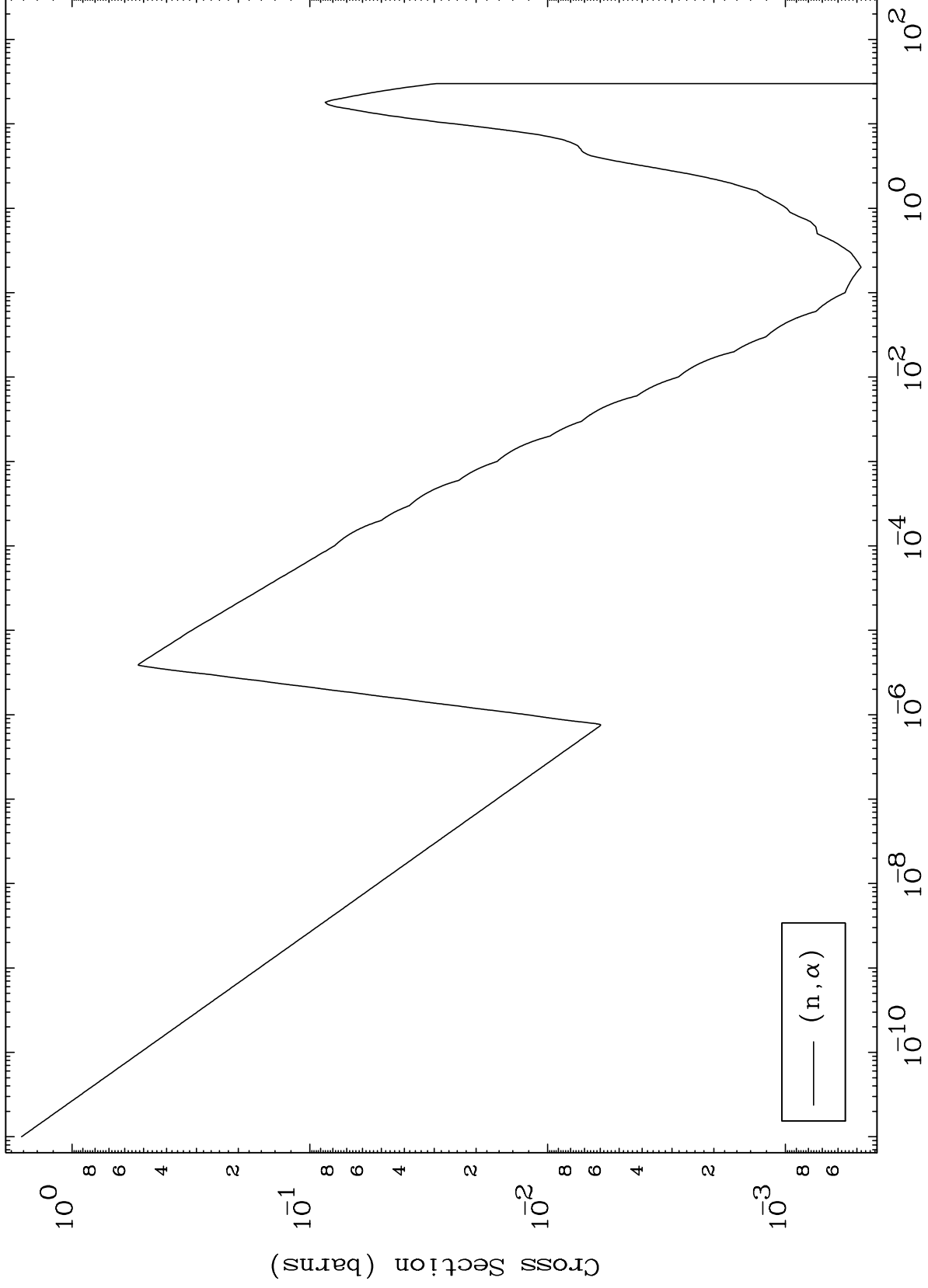


(n, He-3)

MAT 6395

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

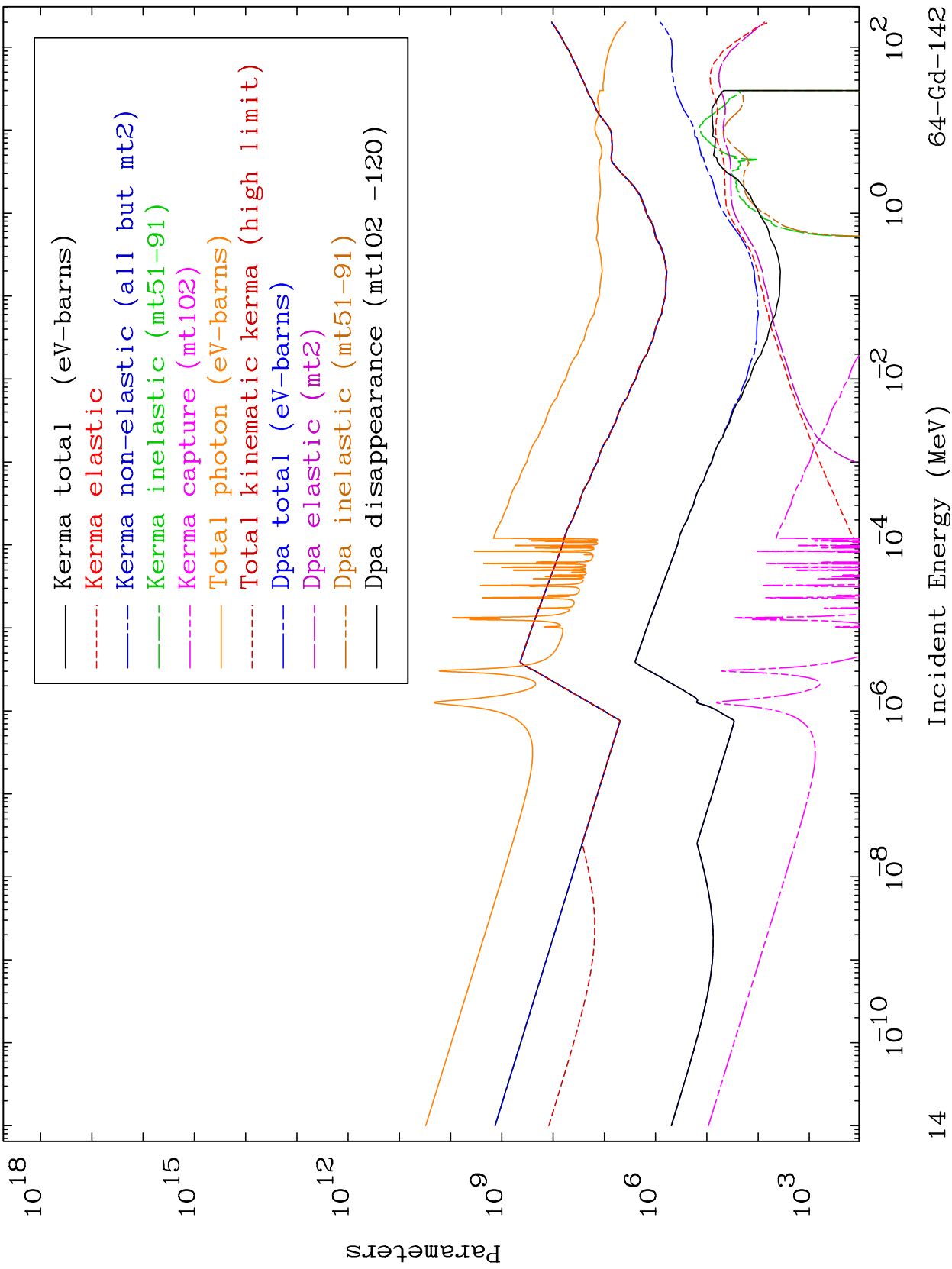
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13

Incident Energy (MeV)

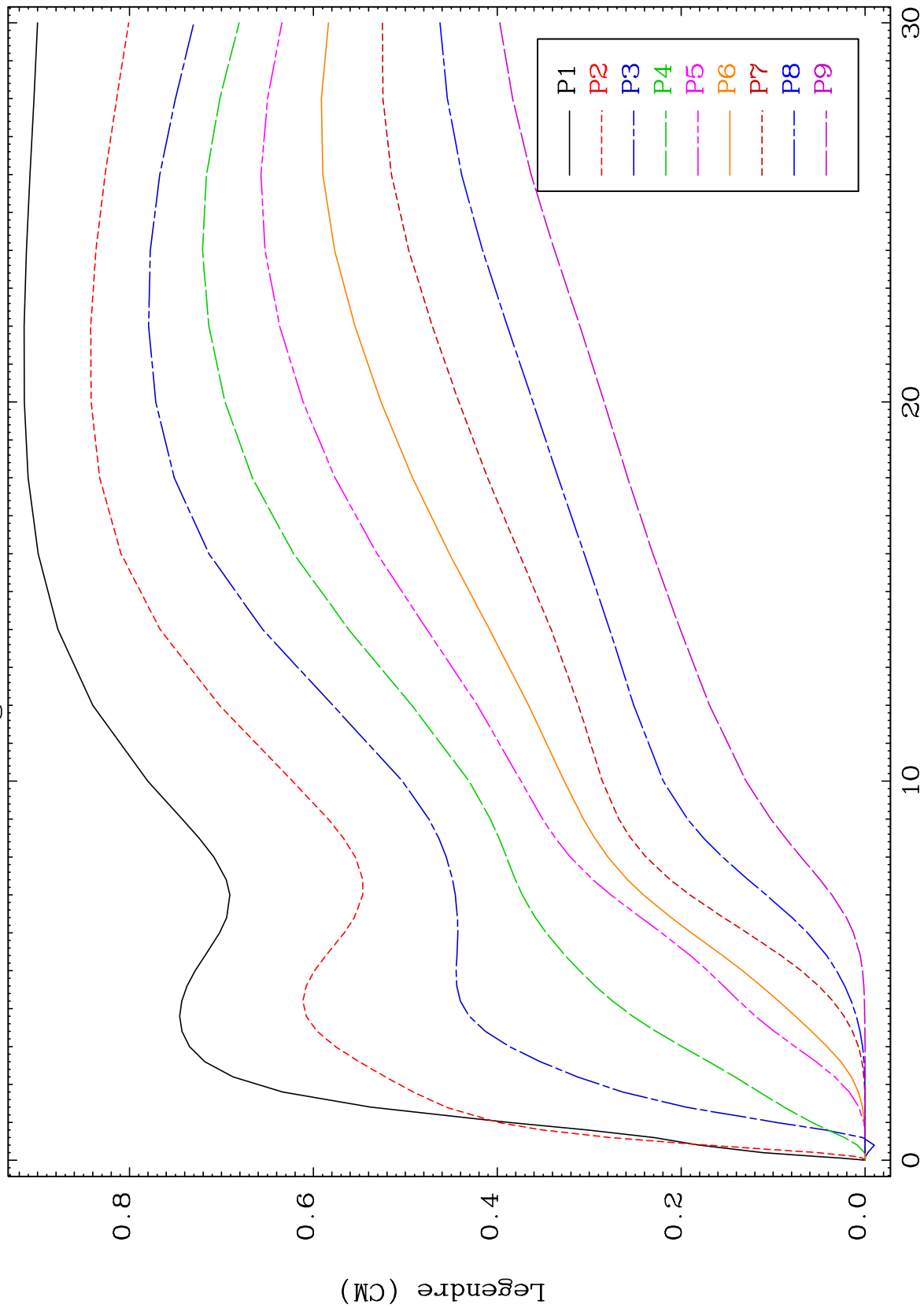
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MAT 6395

Elastic Legendre Coefficients

64-Gd-142



15

Incident Energy (MeV)

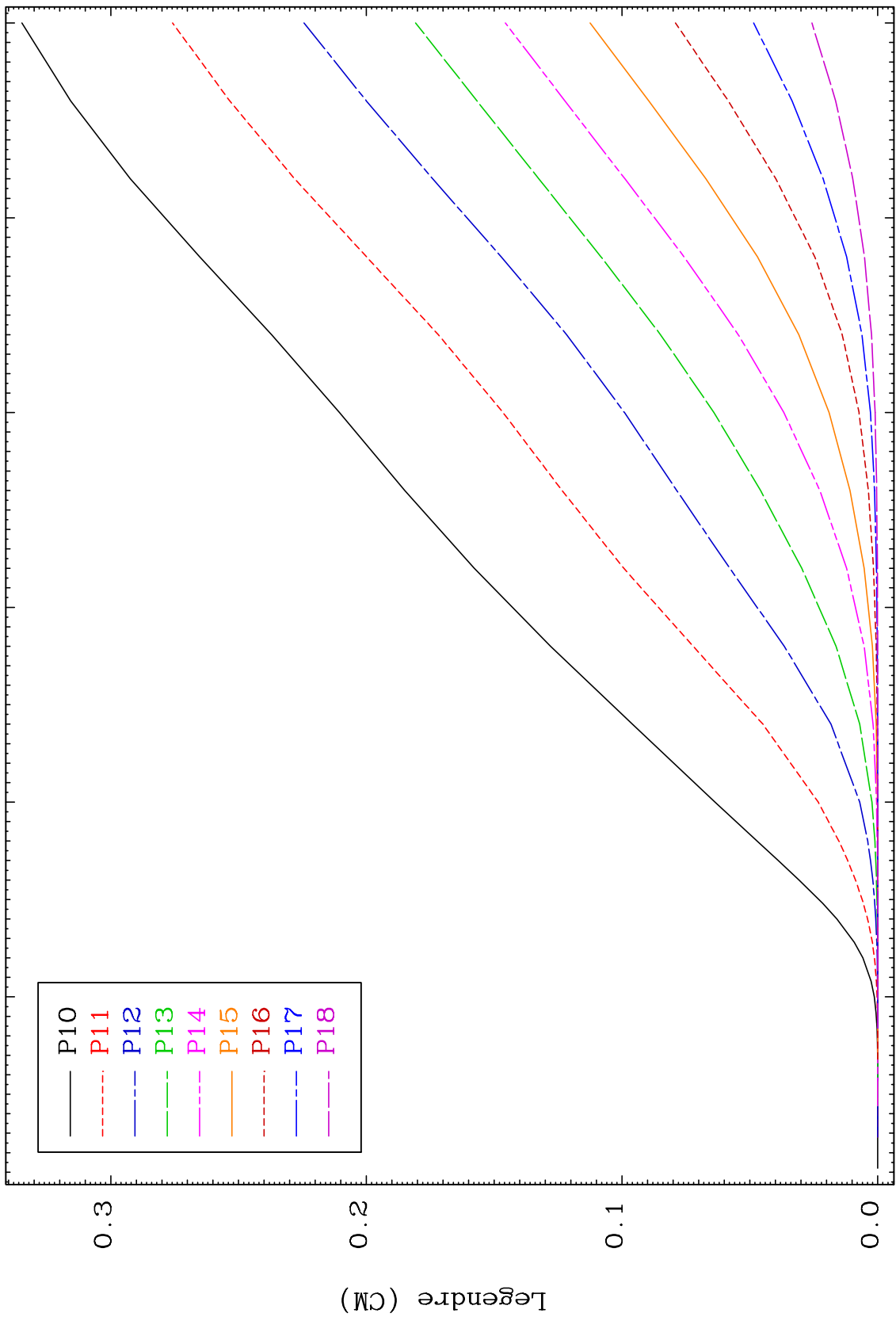
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MAT 6395

Elastic Legendre Coefficients

64-Gd-142



16

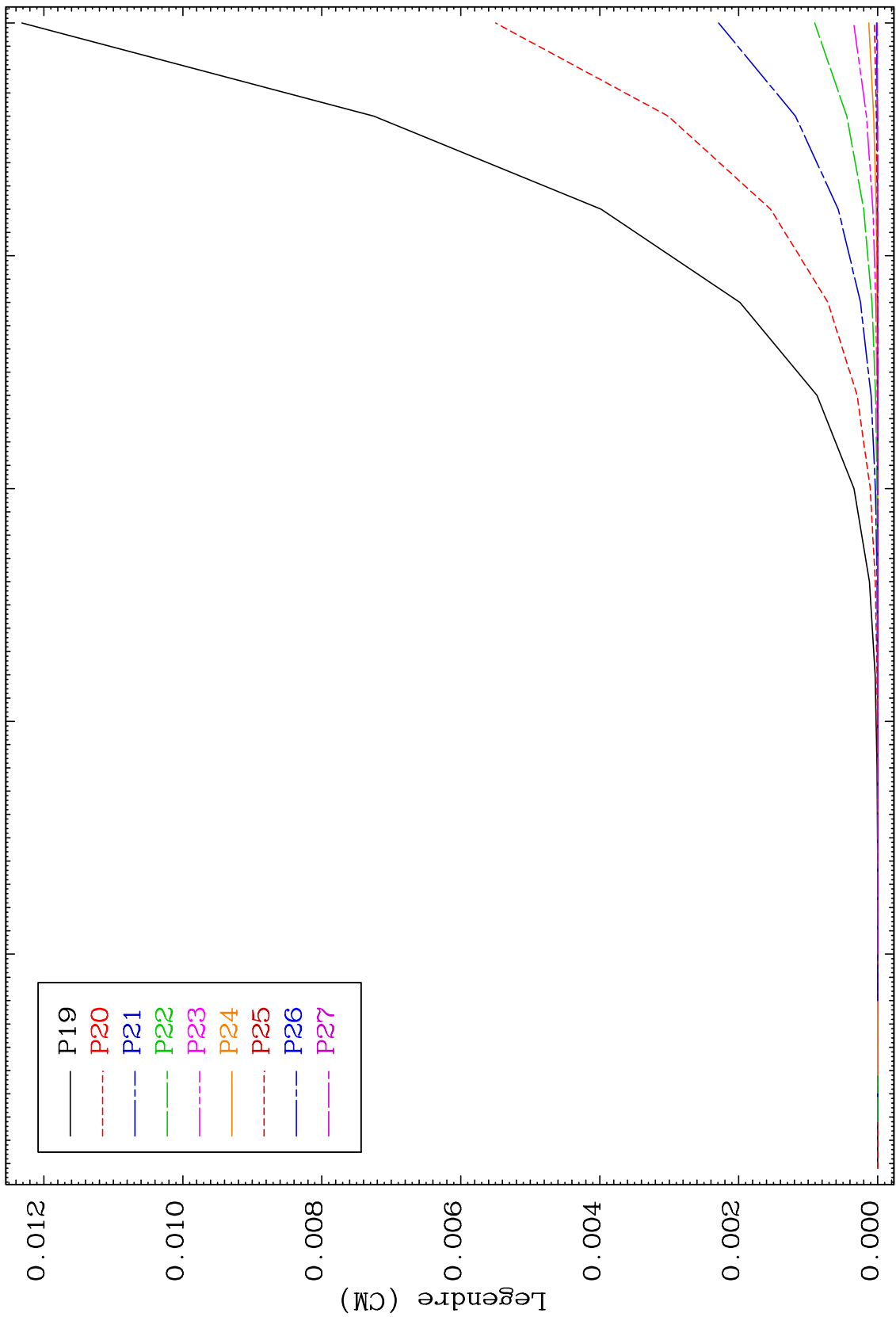
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic Legendre Coefficients

64-Gd-142



17

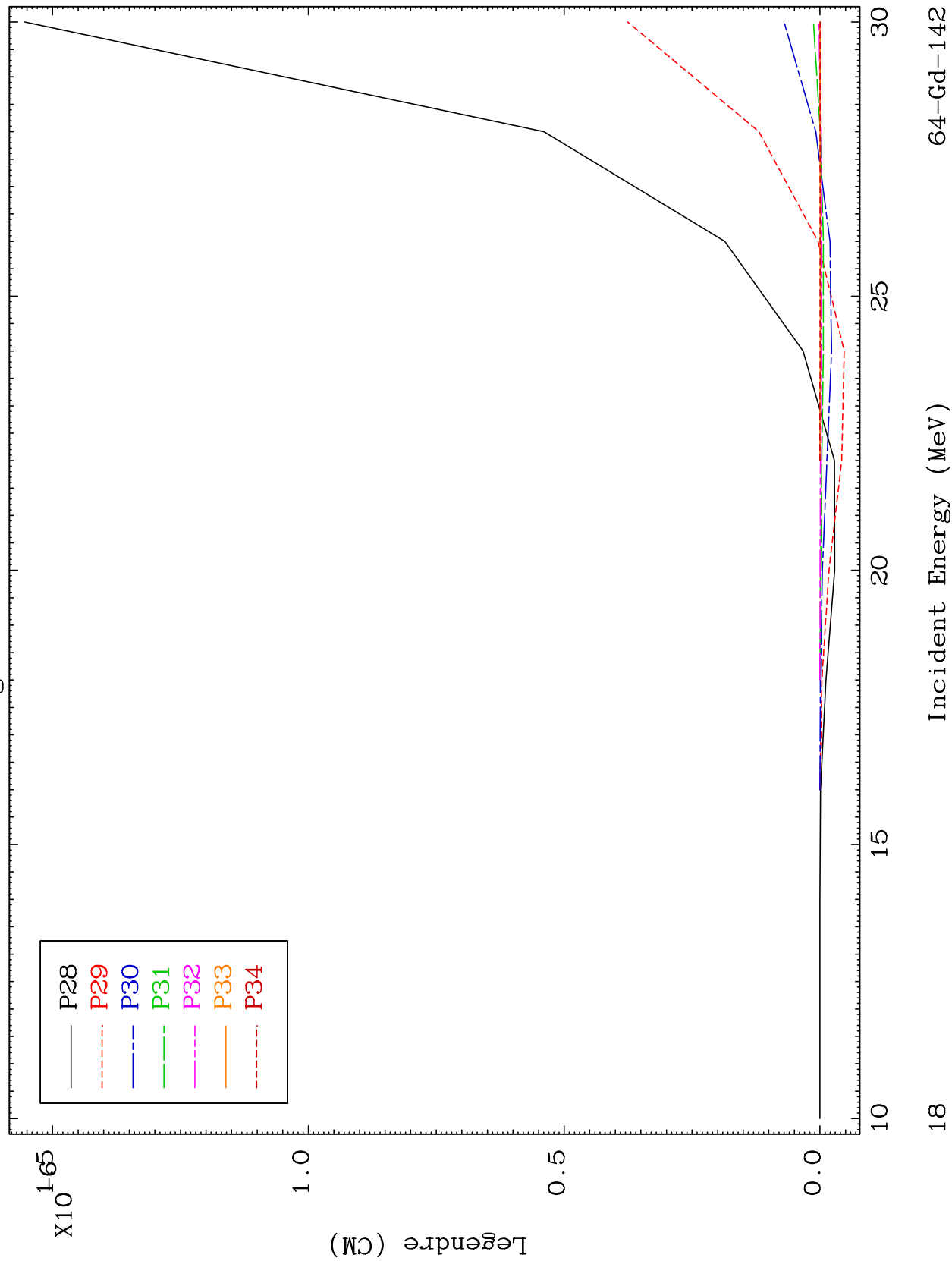
Incident Energy (MeV)

64-Gd-142

MAT 6395

Elastic Legendre Coefficients

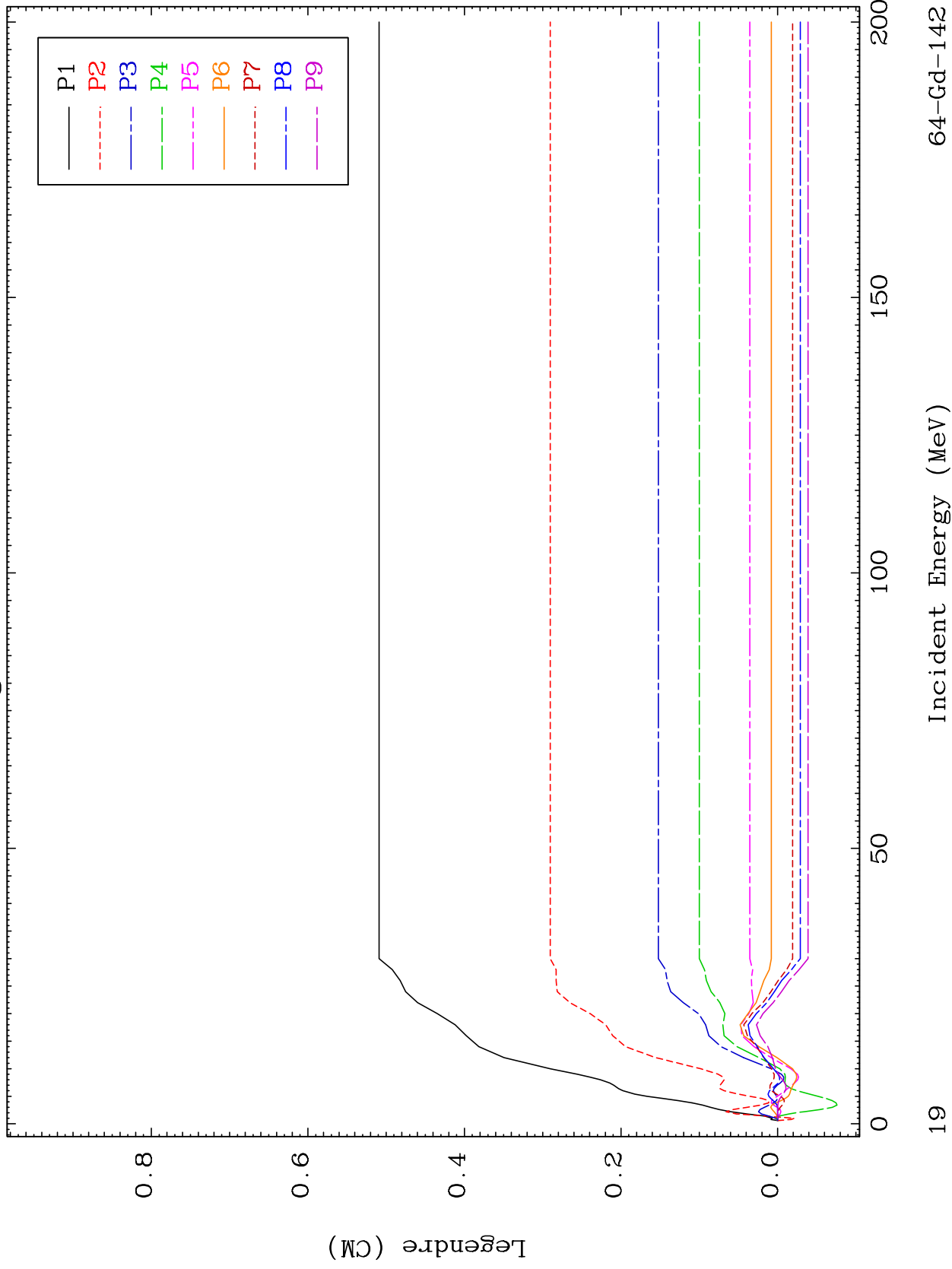
64-Gd-142



MAT 6395

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

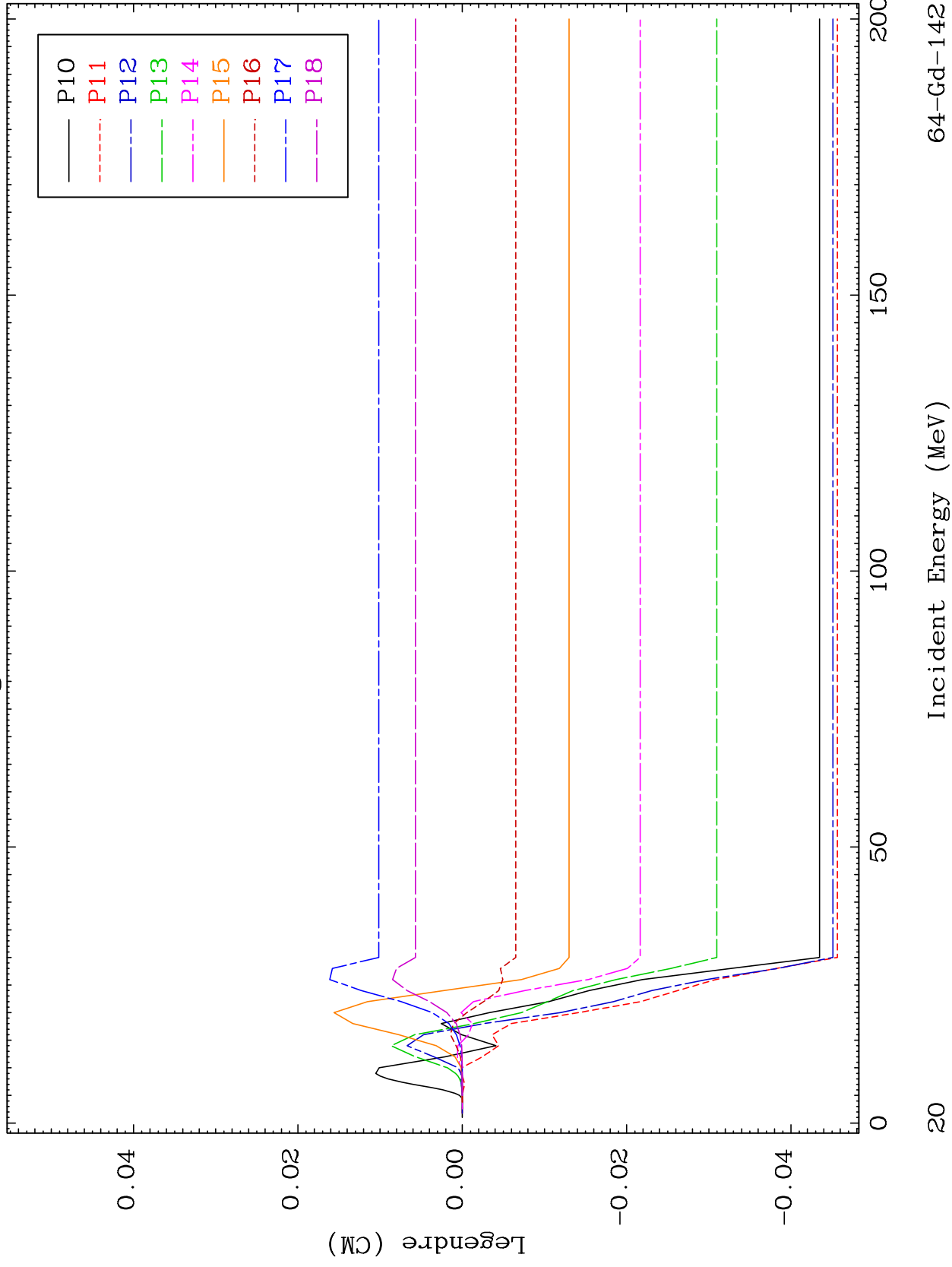
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MAT 6395

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

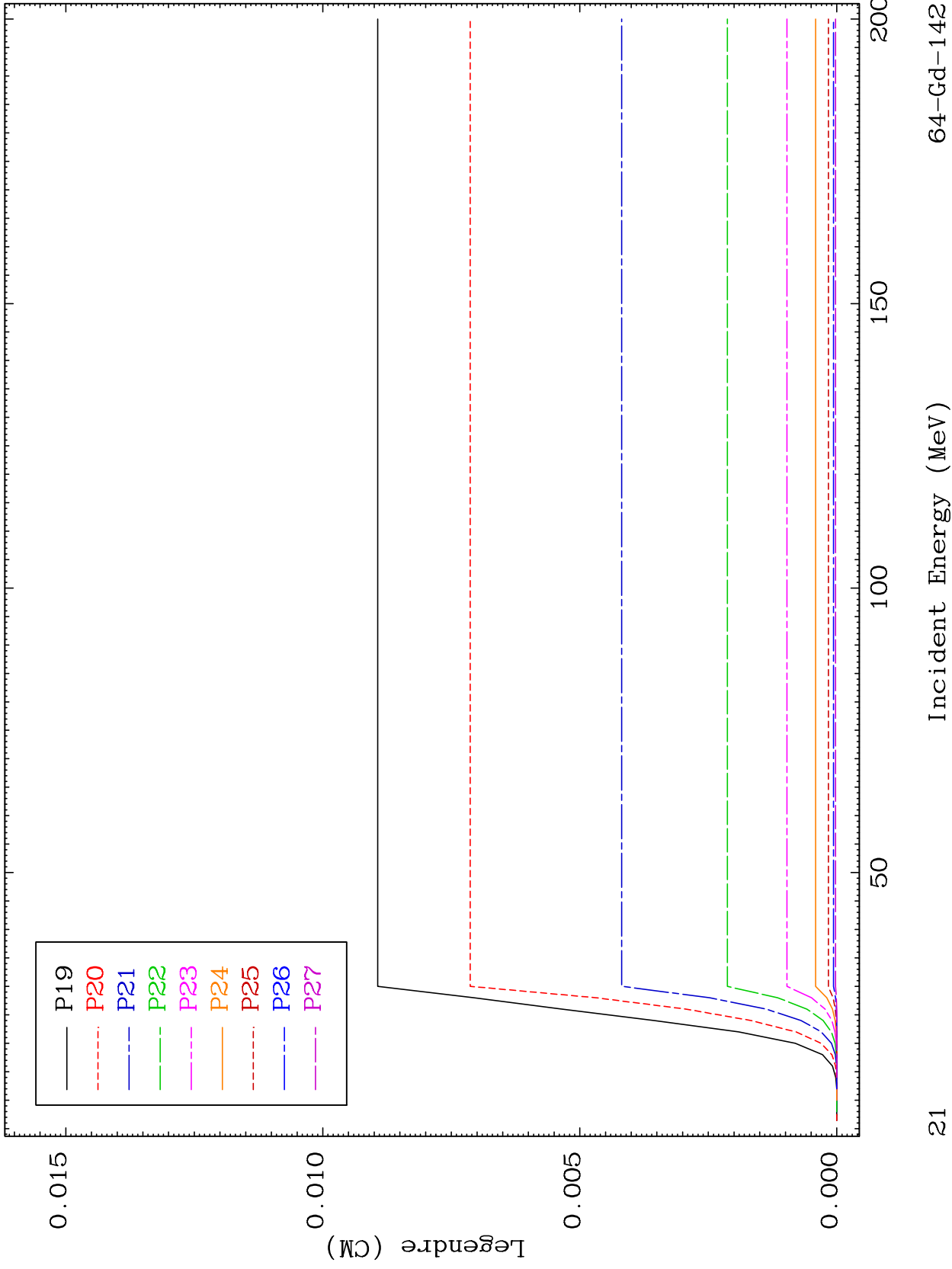
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MAT 6395

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

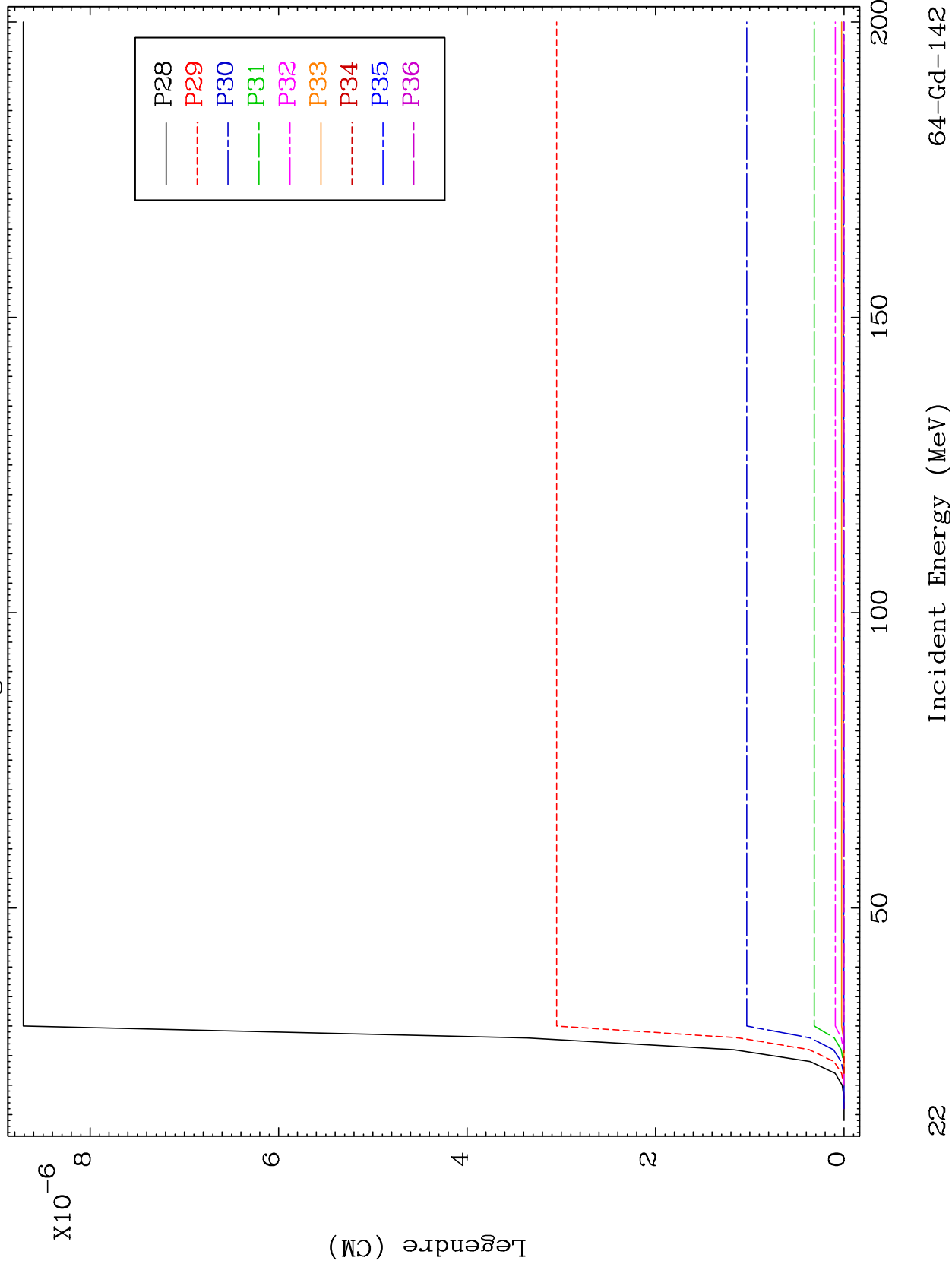
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MAT 6395

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

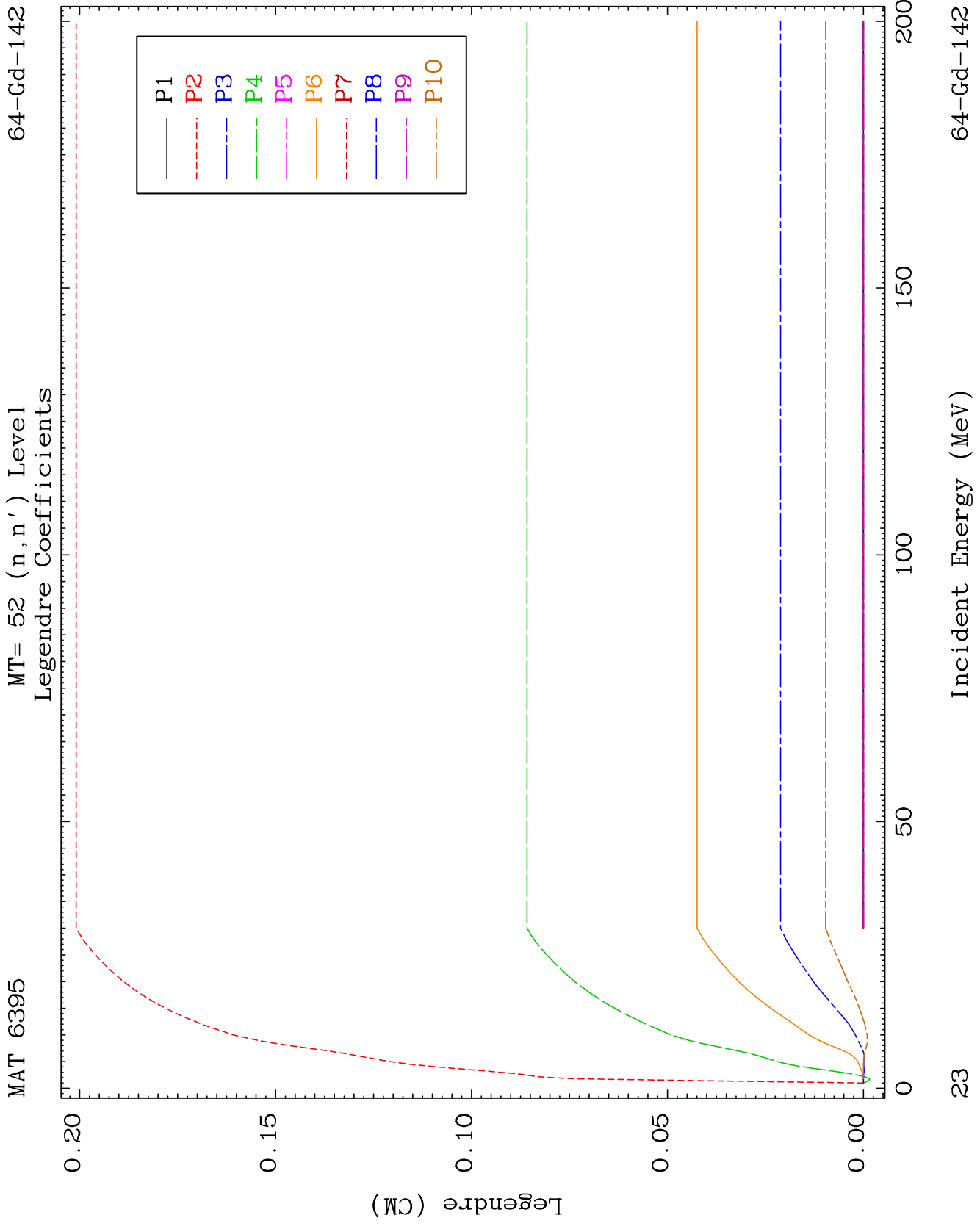
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22

Incident Energy (MeV)

64-Gd-142

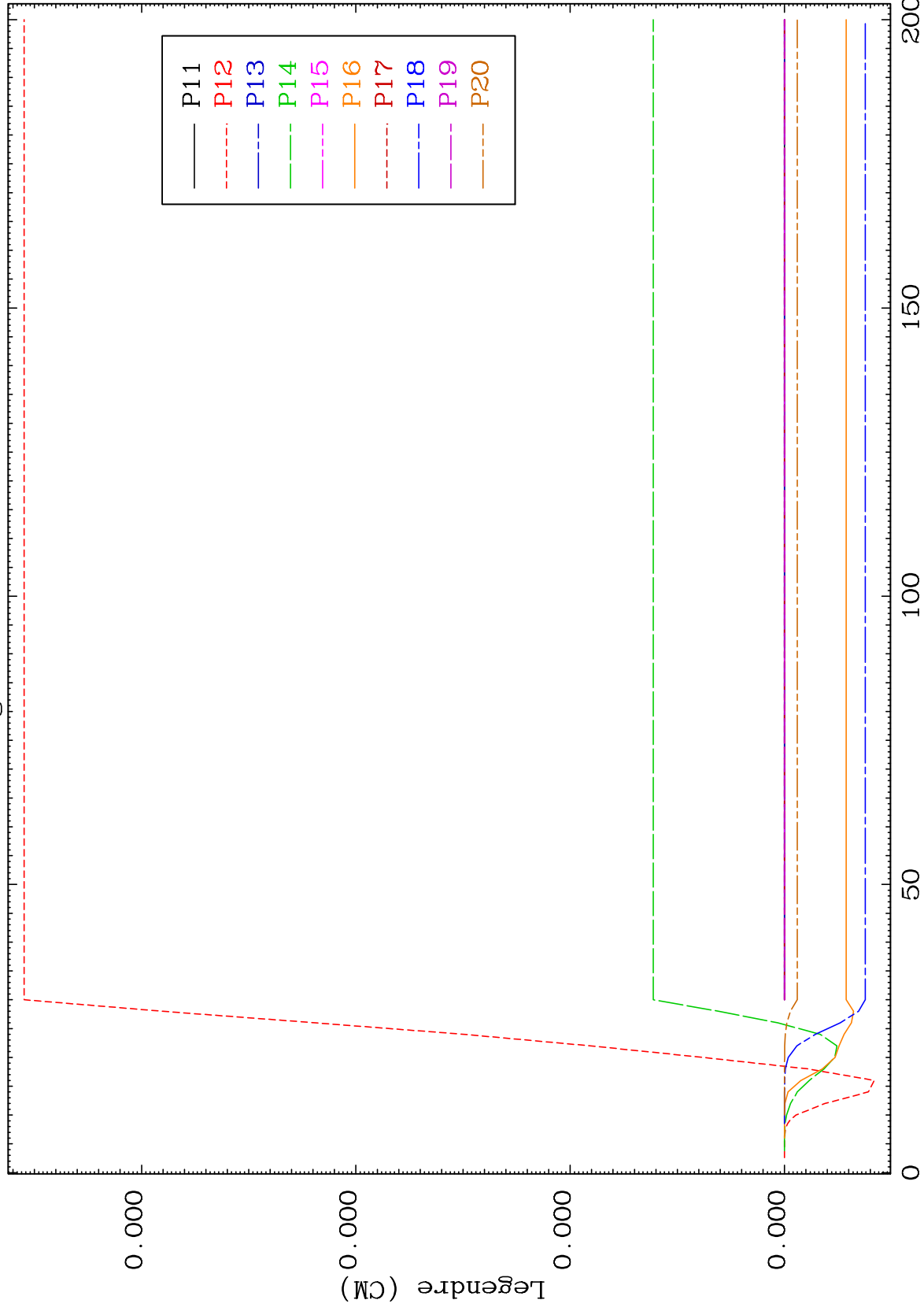




MAT 6395

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

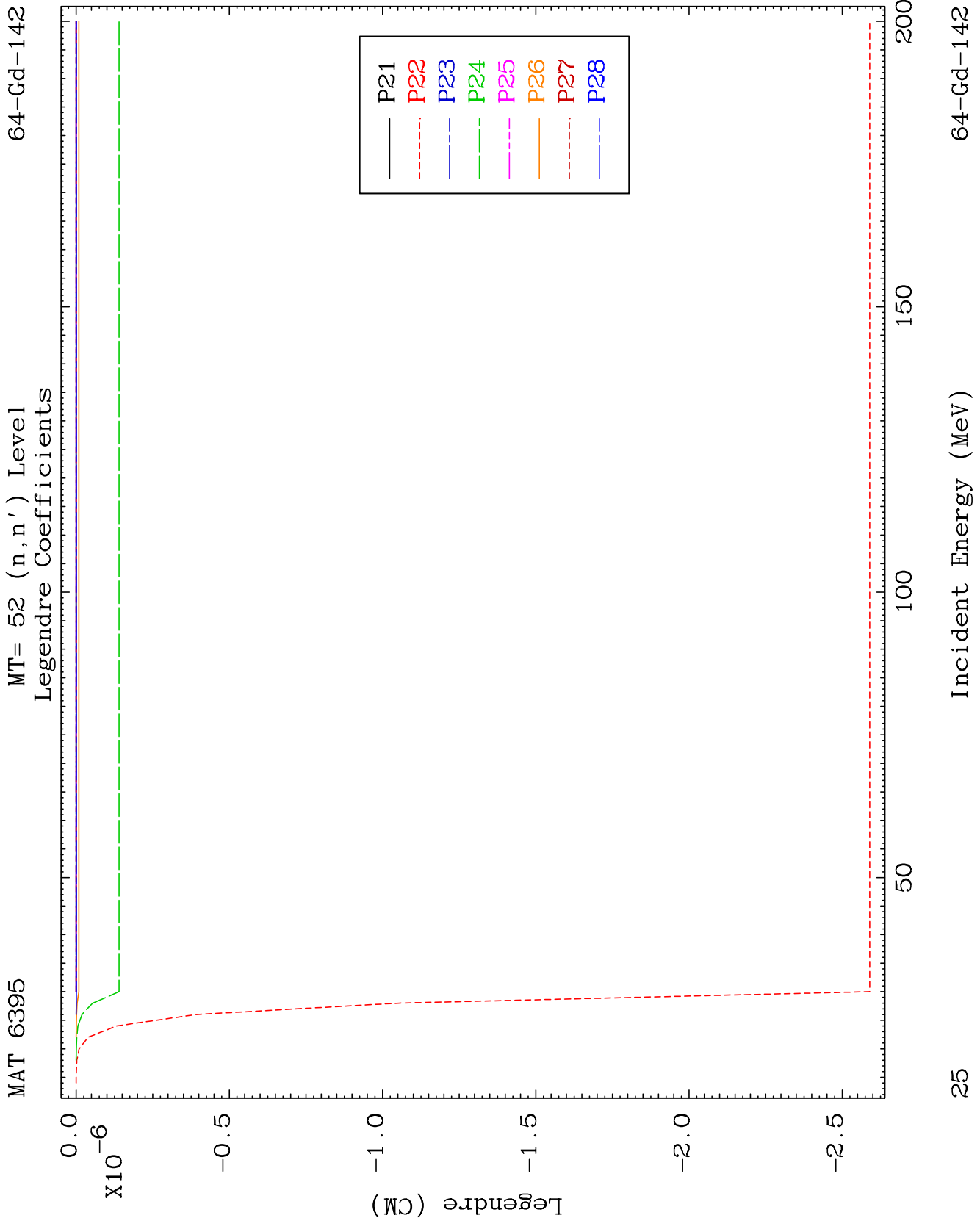
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24

Incident Energy (MeV)

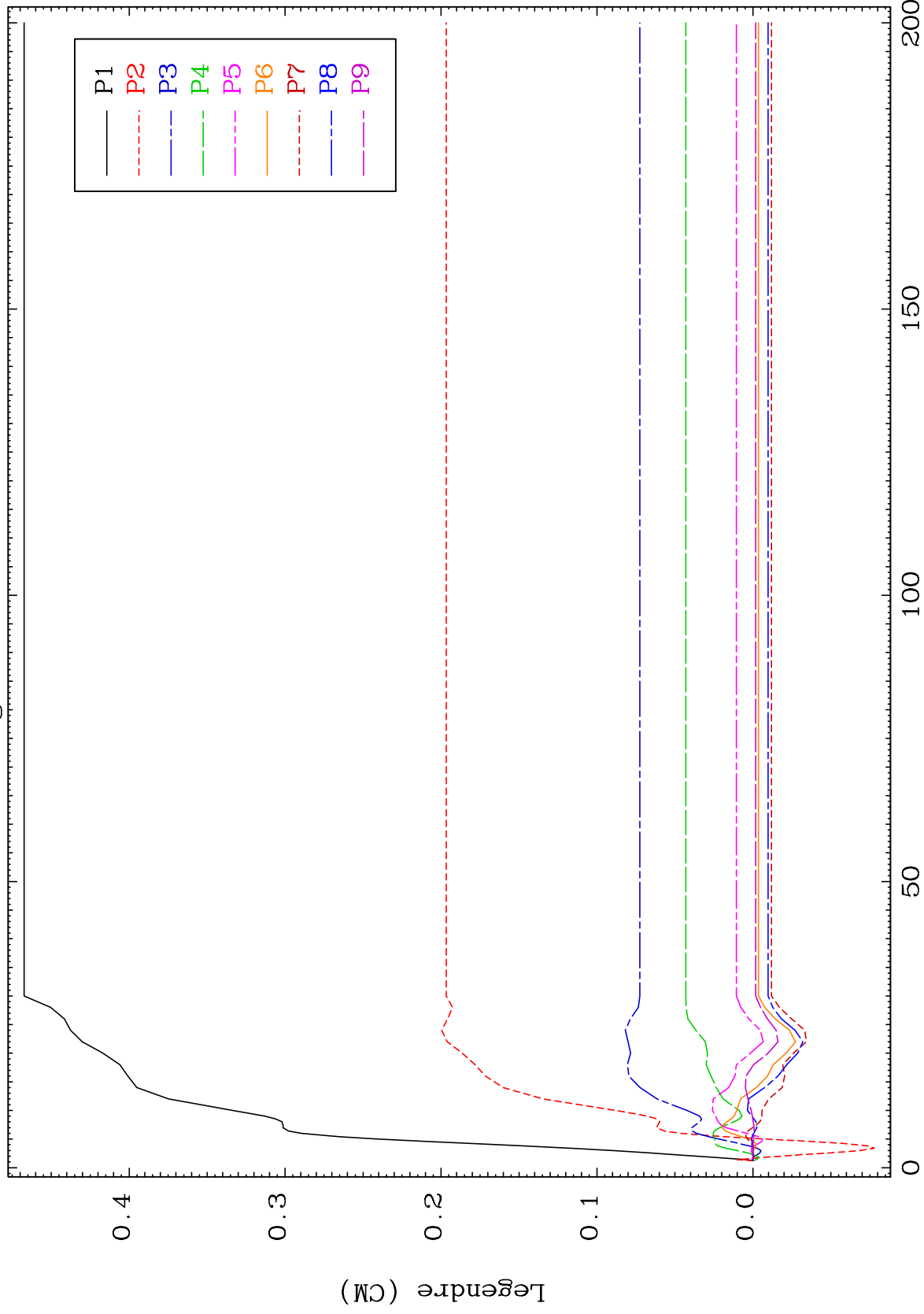
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MAT 6395

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

64-Gd-142



26

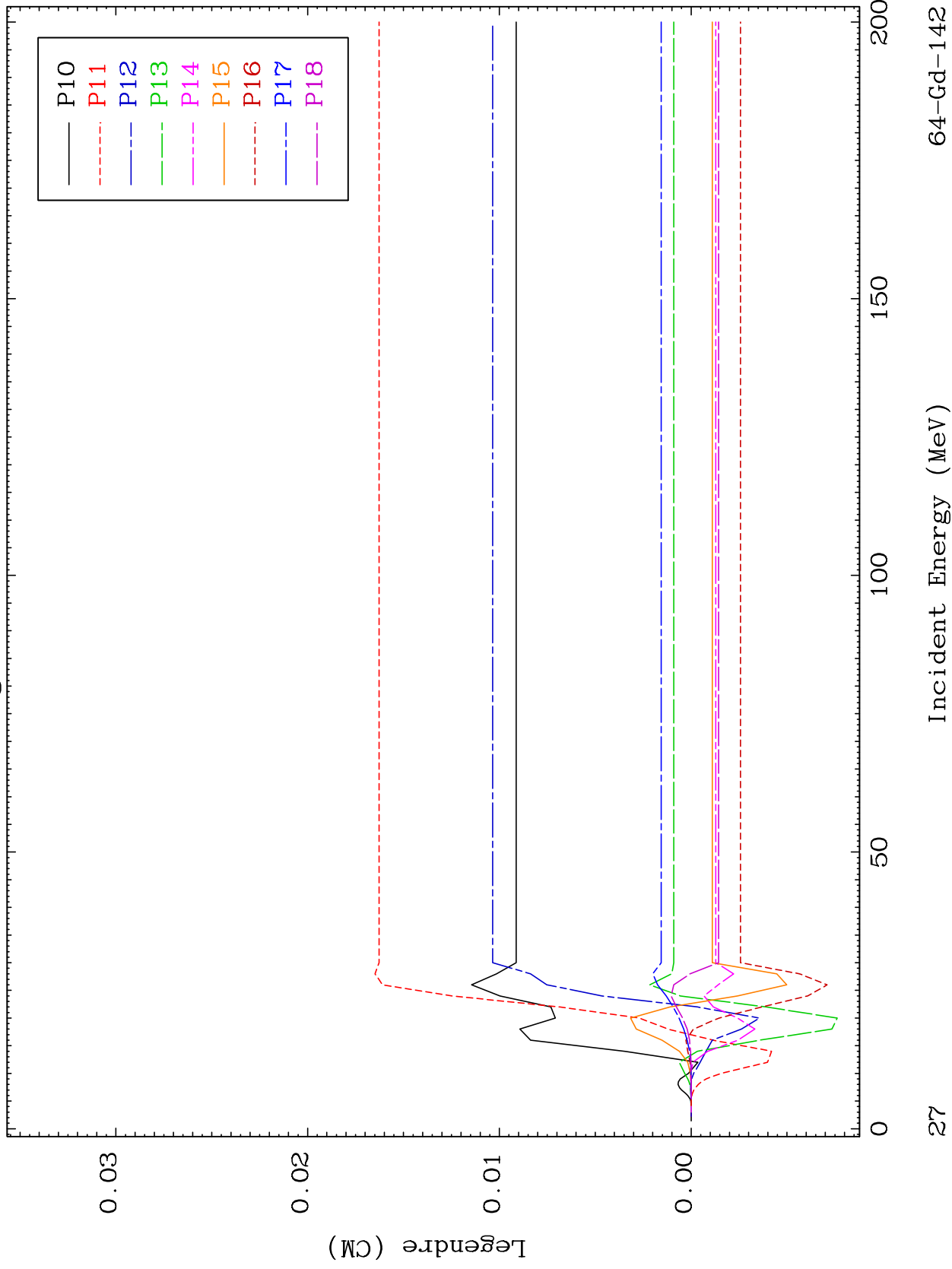
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

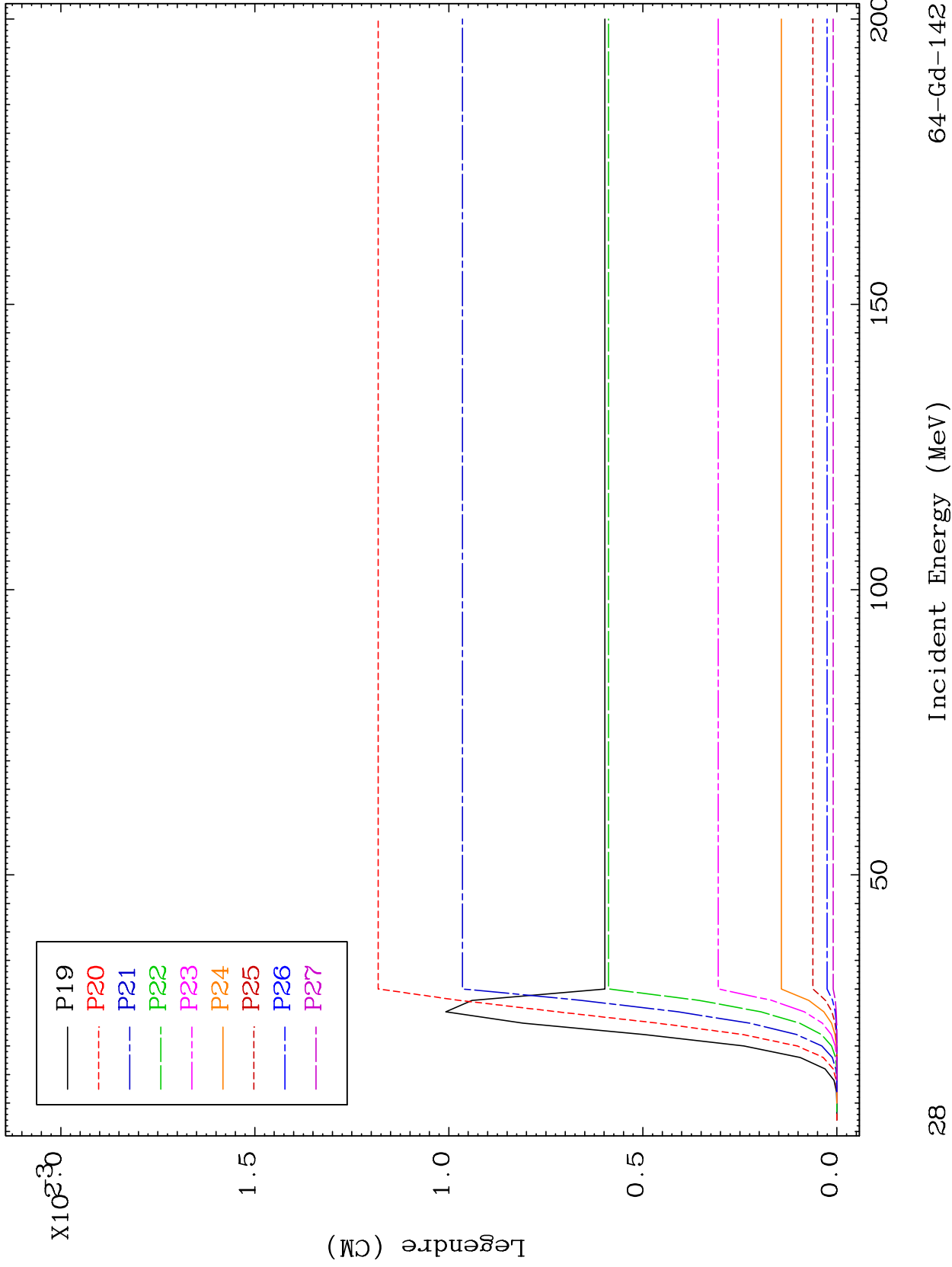
64-Gd-142



27

Incident Energy (MeV)

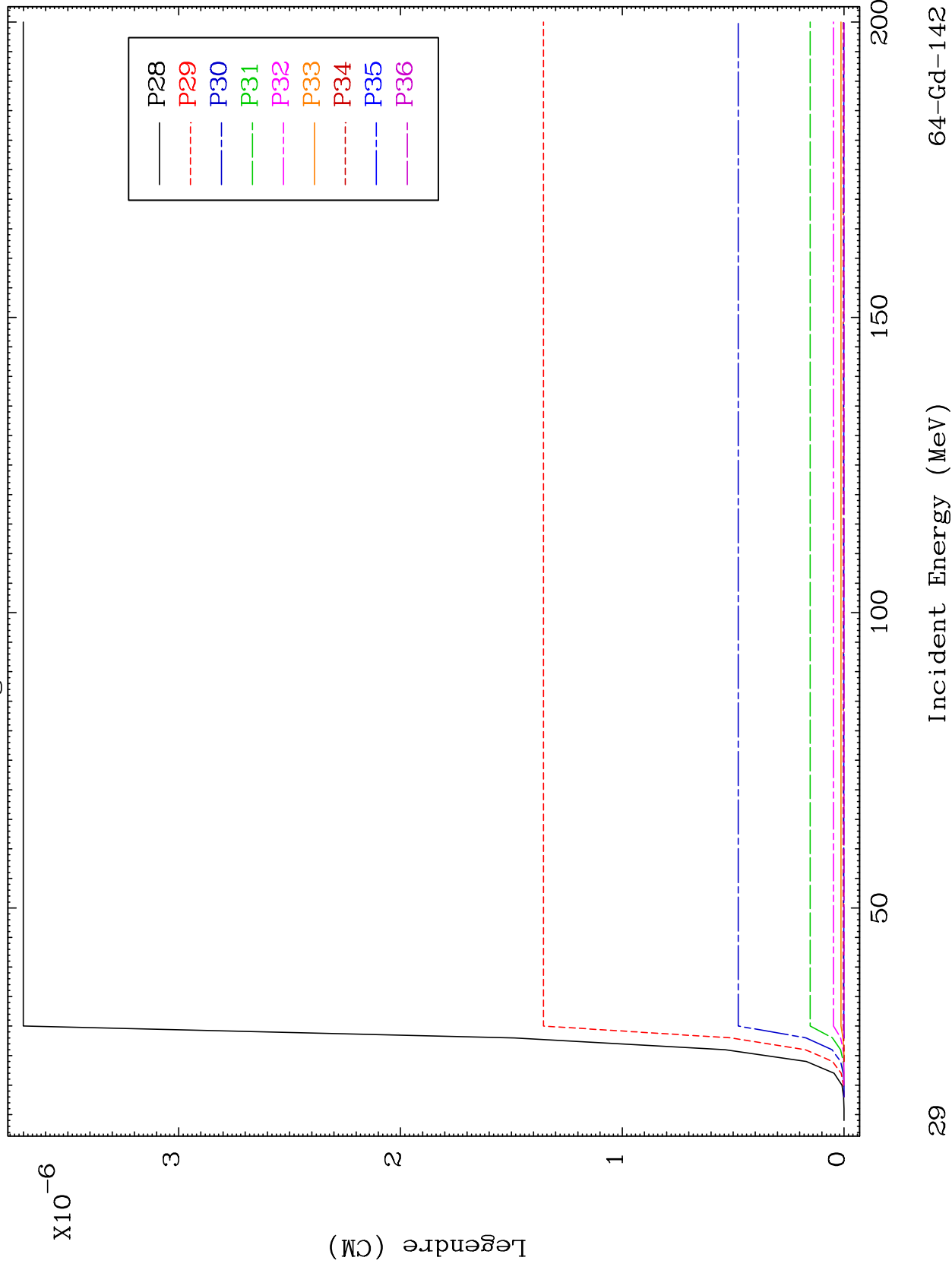
64-Gd-142



MAT 6395

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

64-Gd-142



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64-Gd-142

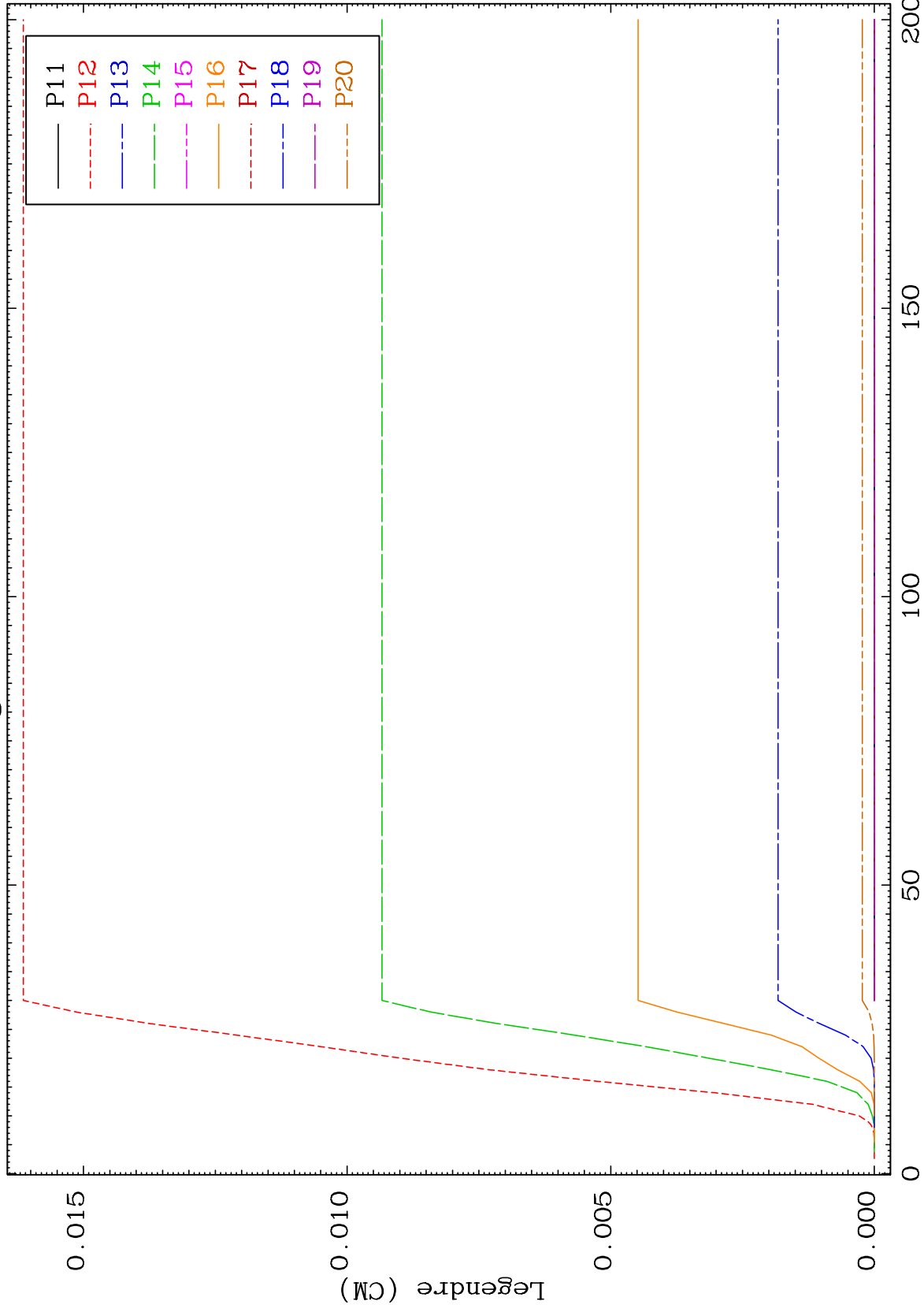


MAT 6395

MT= 54 (n,n') Level

64-Gd-142

Legendre Coefficients

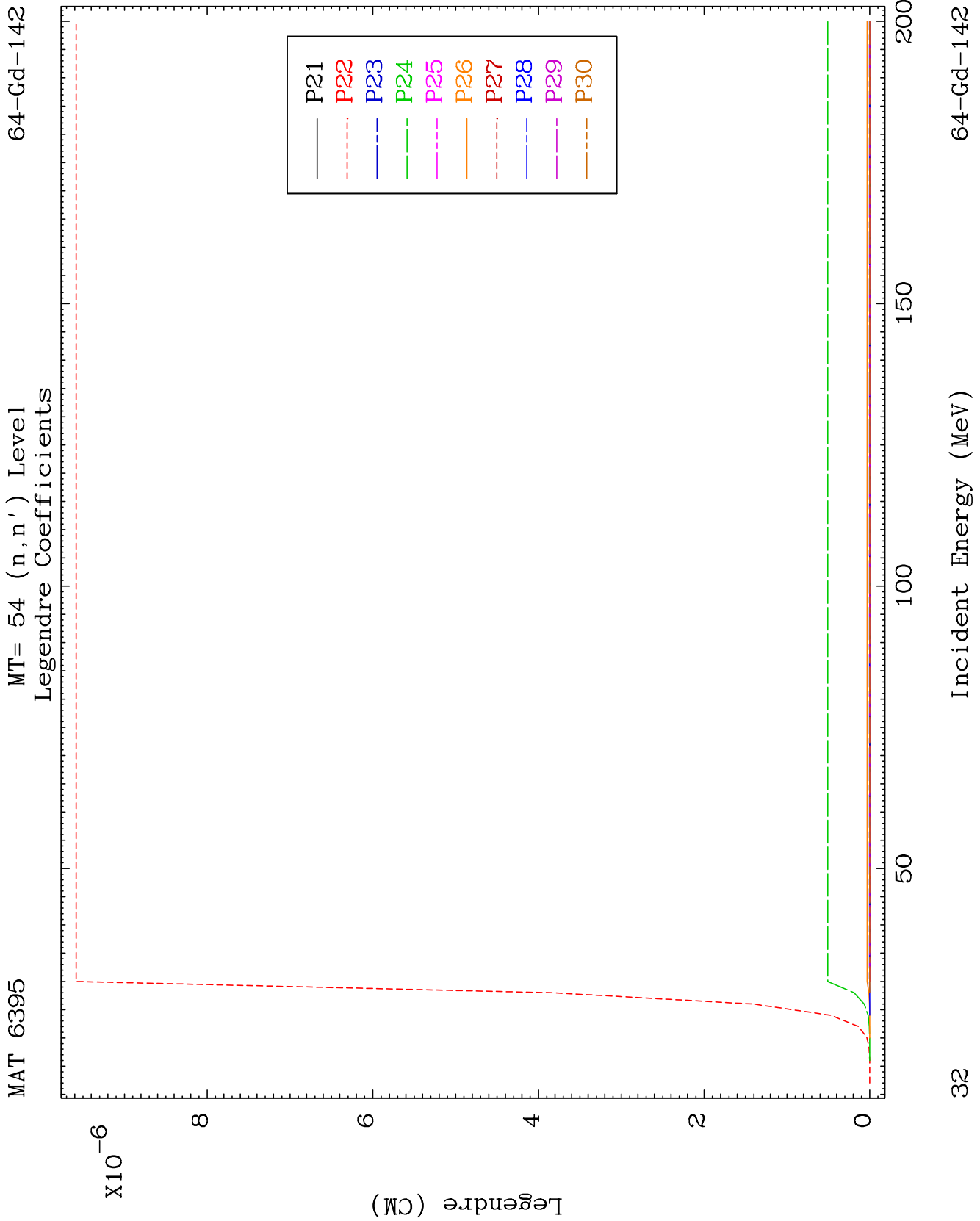


31

Incident Energy (MeV)

64-Gd-142



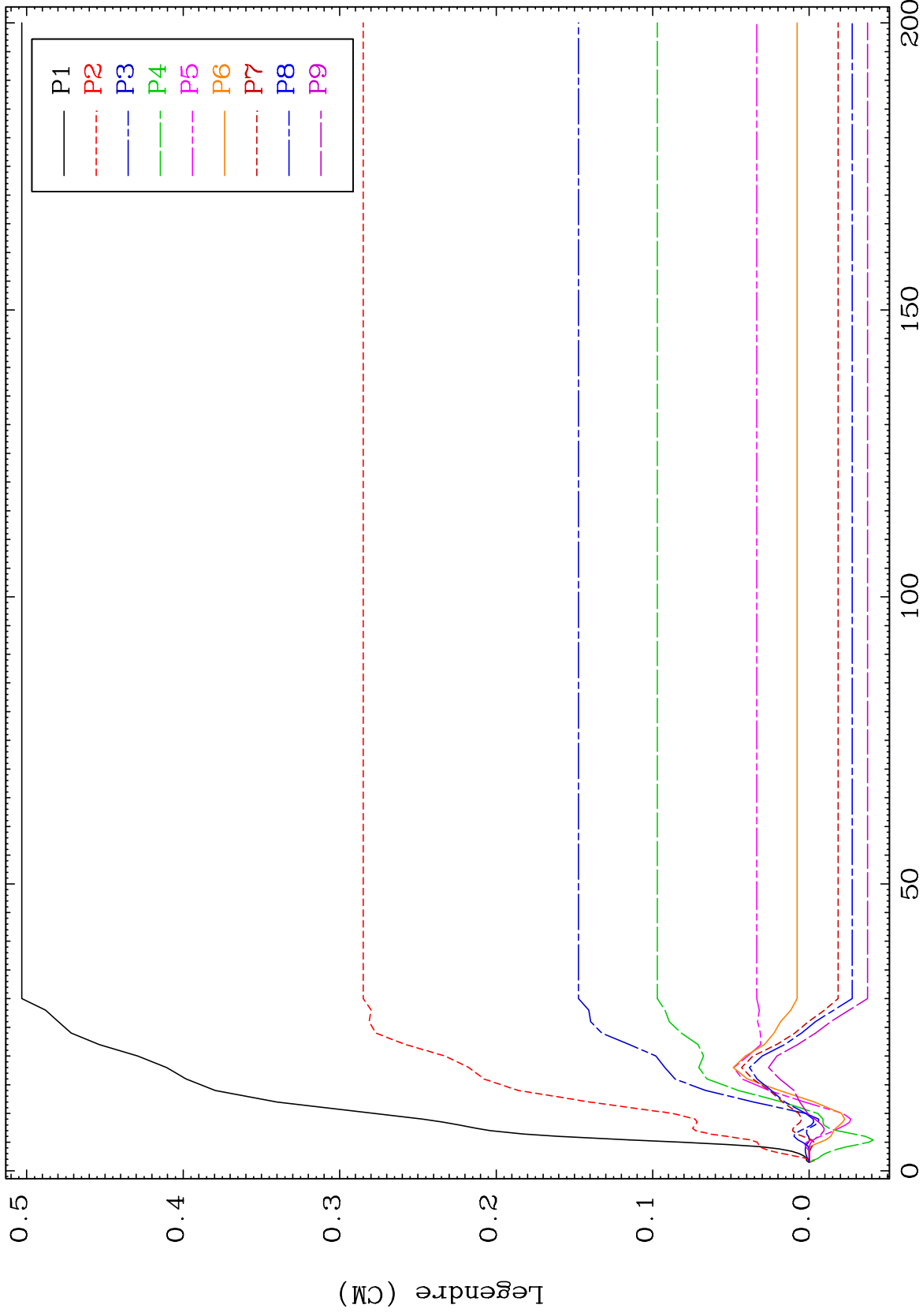


MAT 6395

MT= 55 (n,n') Level

64-Gd-142

Legendre Coefficients



33

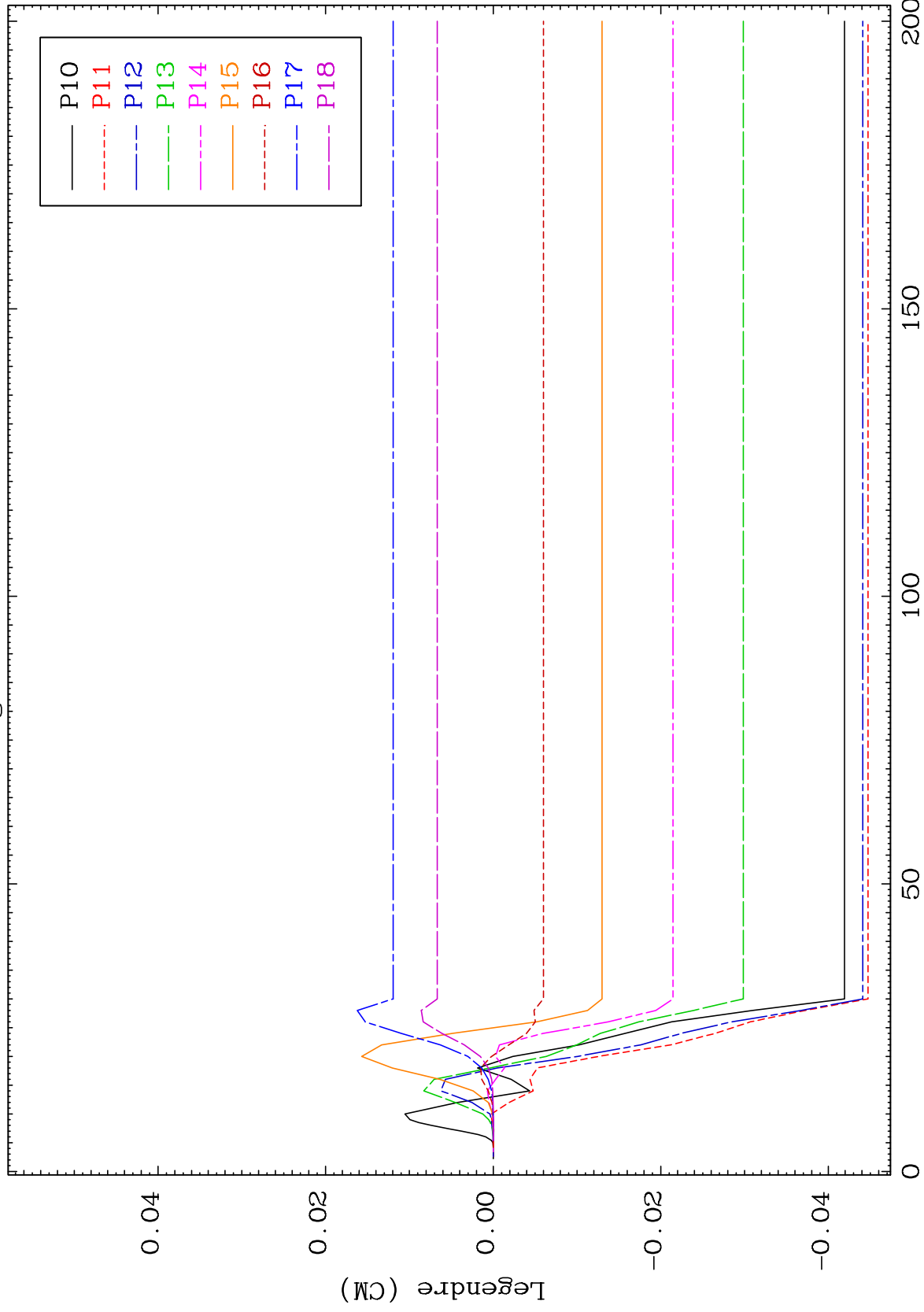
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



34

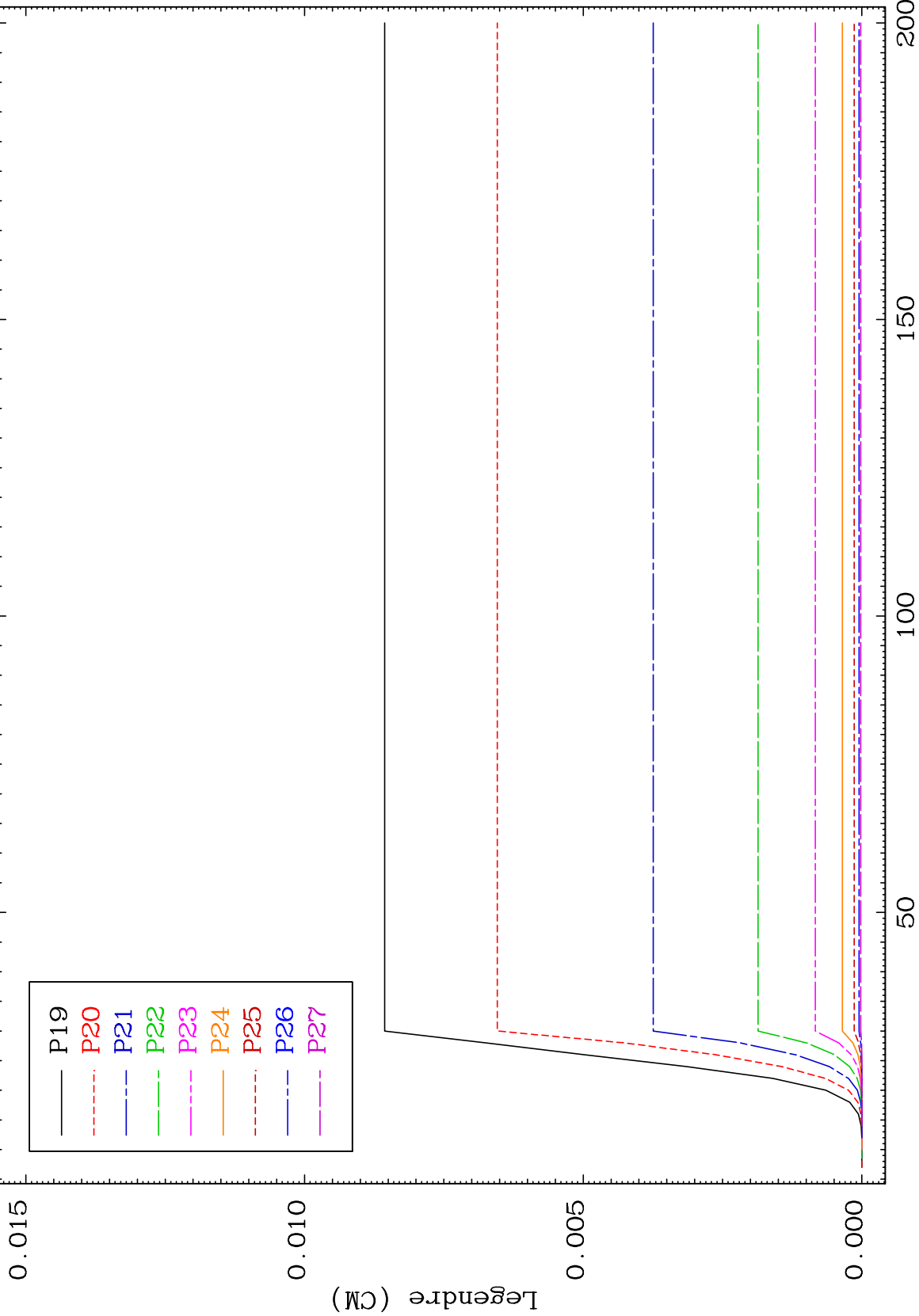
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



35

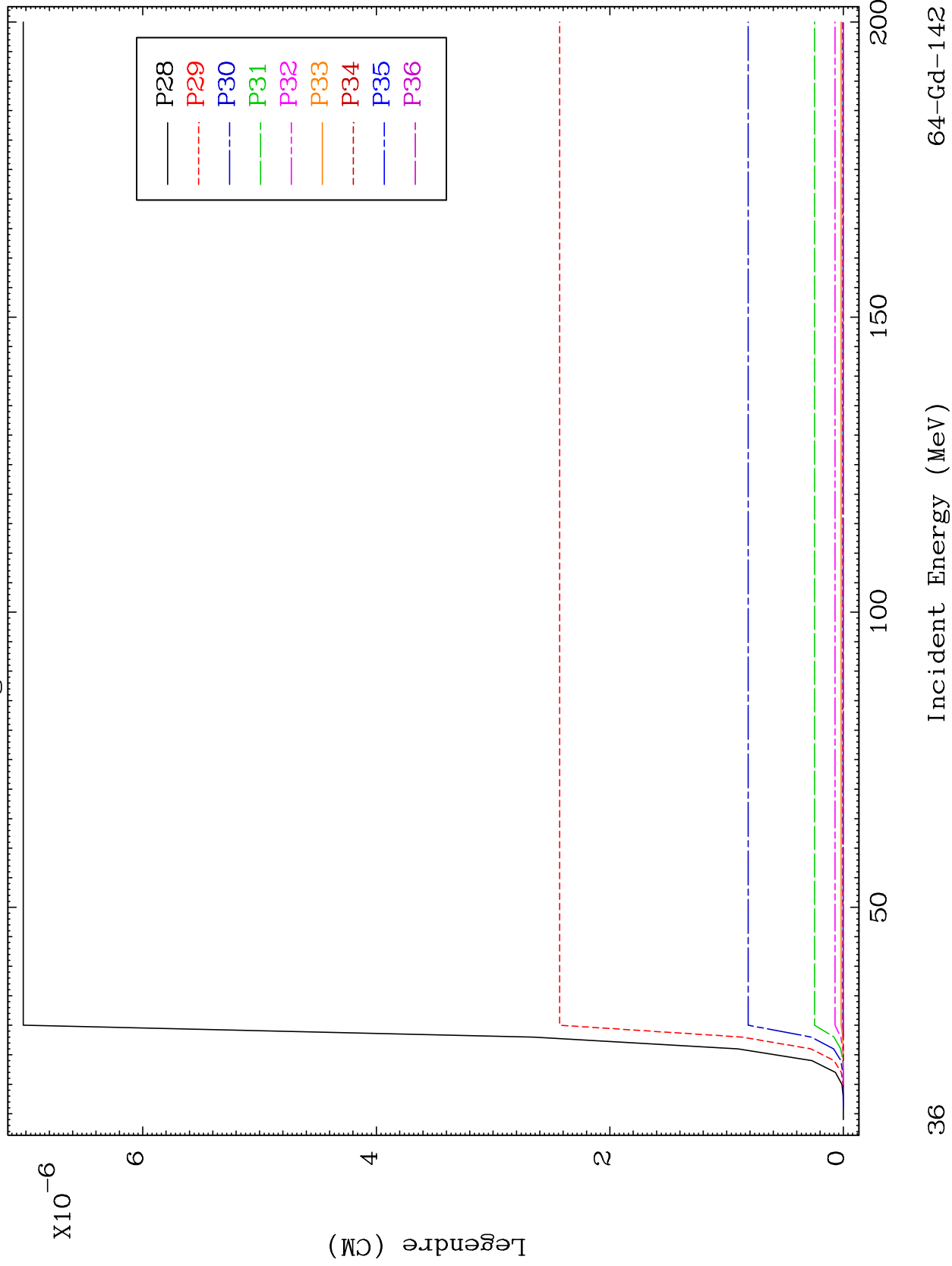
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



36

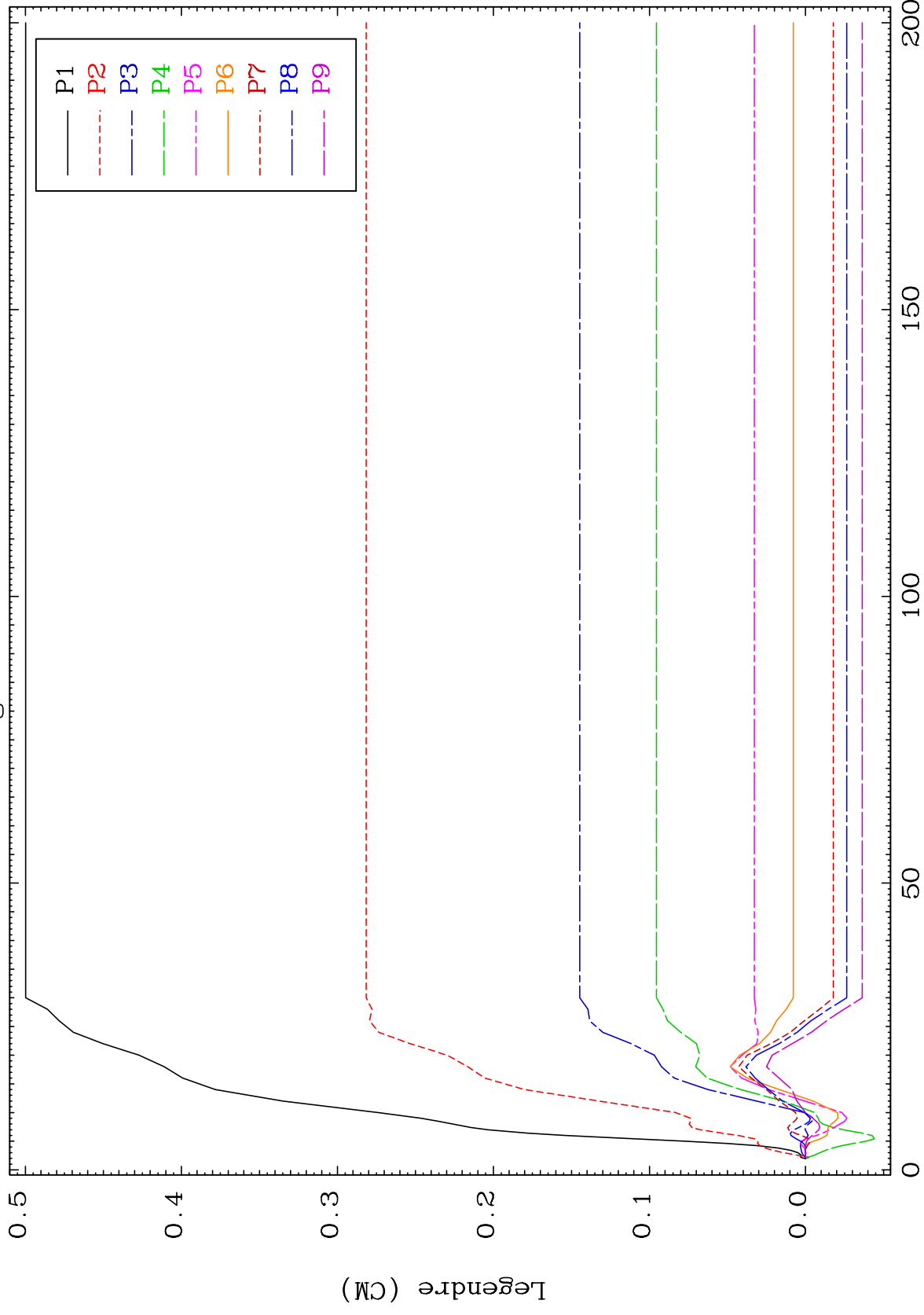
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



64-Gd-142

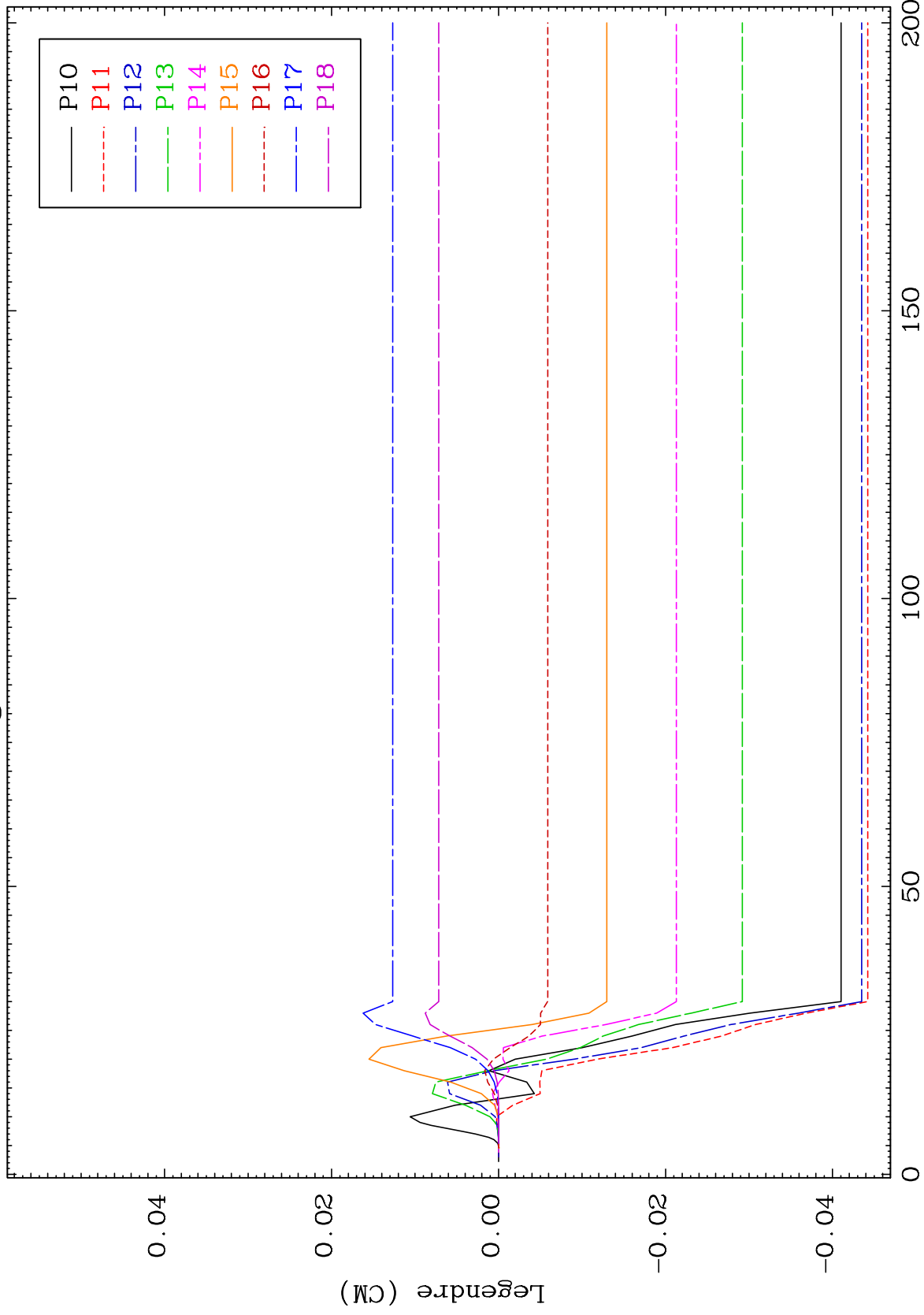
Incident Energy (MeV)

37

MAT 6395

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

64-Gd-142



38

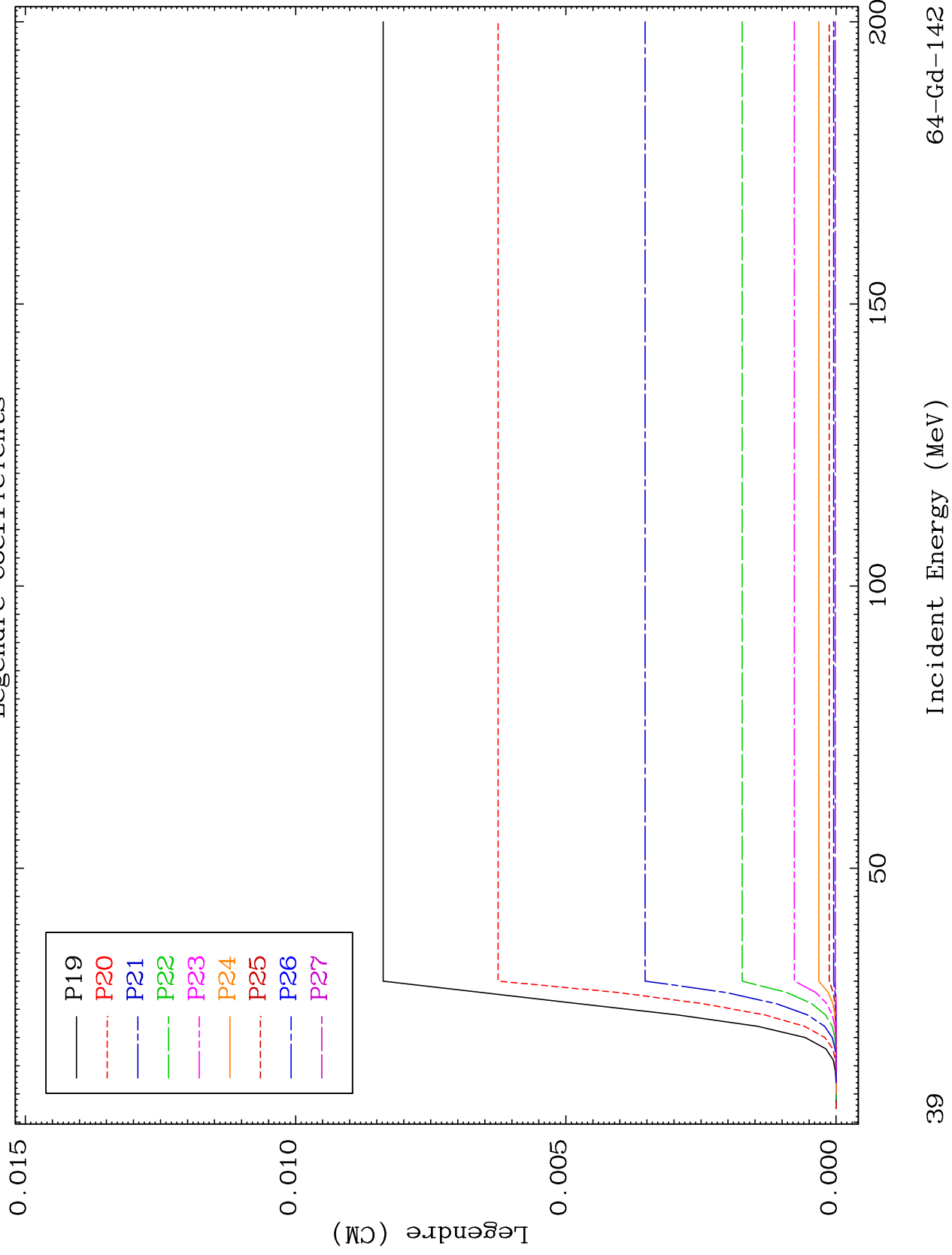
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



39

Incident Energy (MeV)

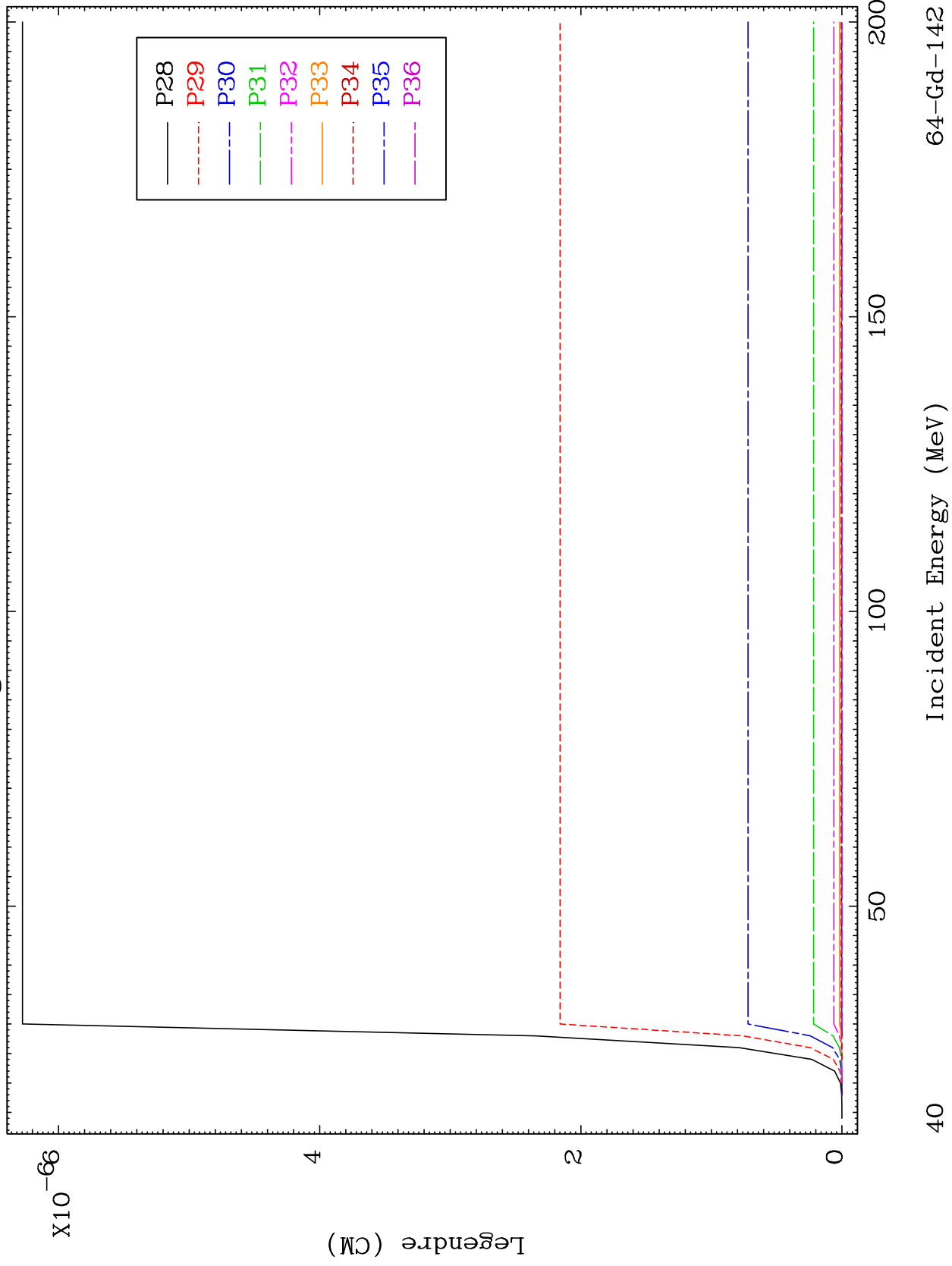
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MAT 6395

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

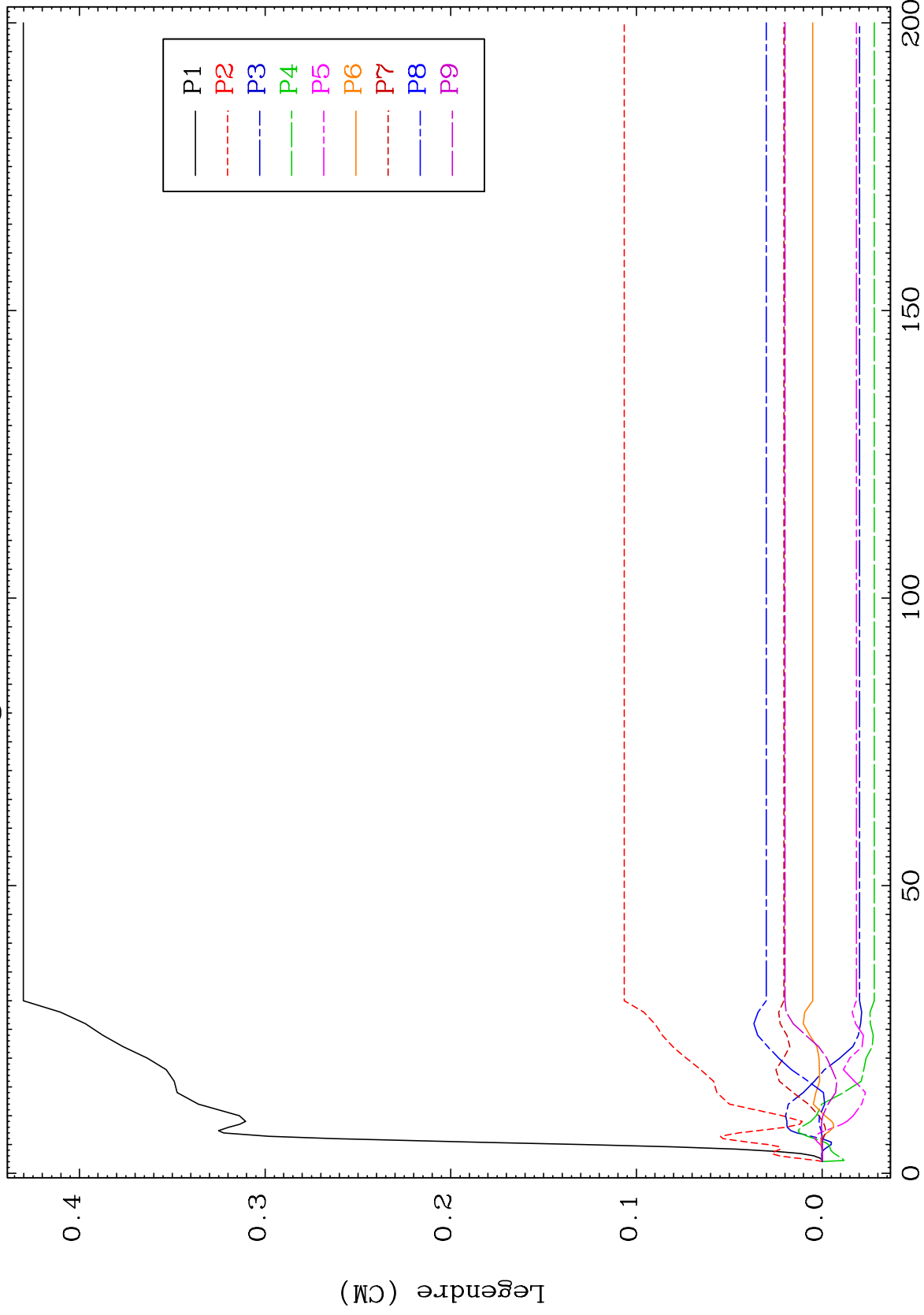
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MAT 6395

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

64-Gd-142



41

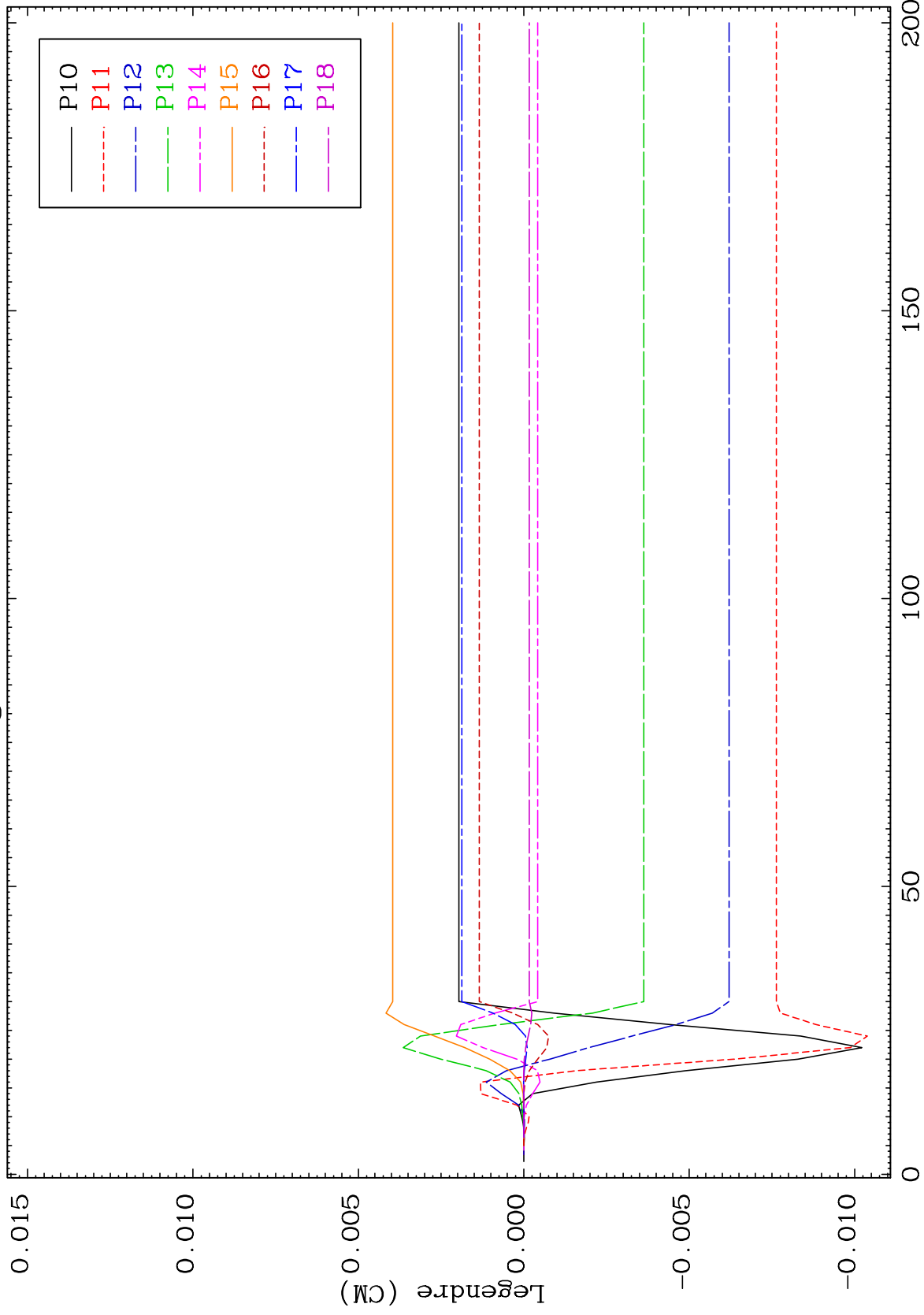
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



42

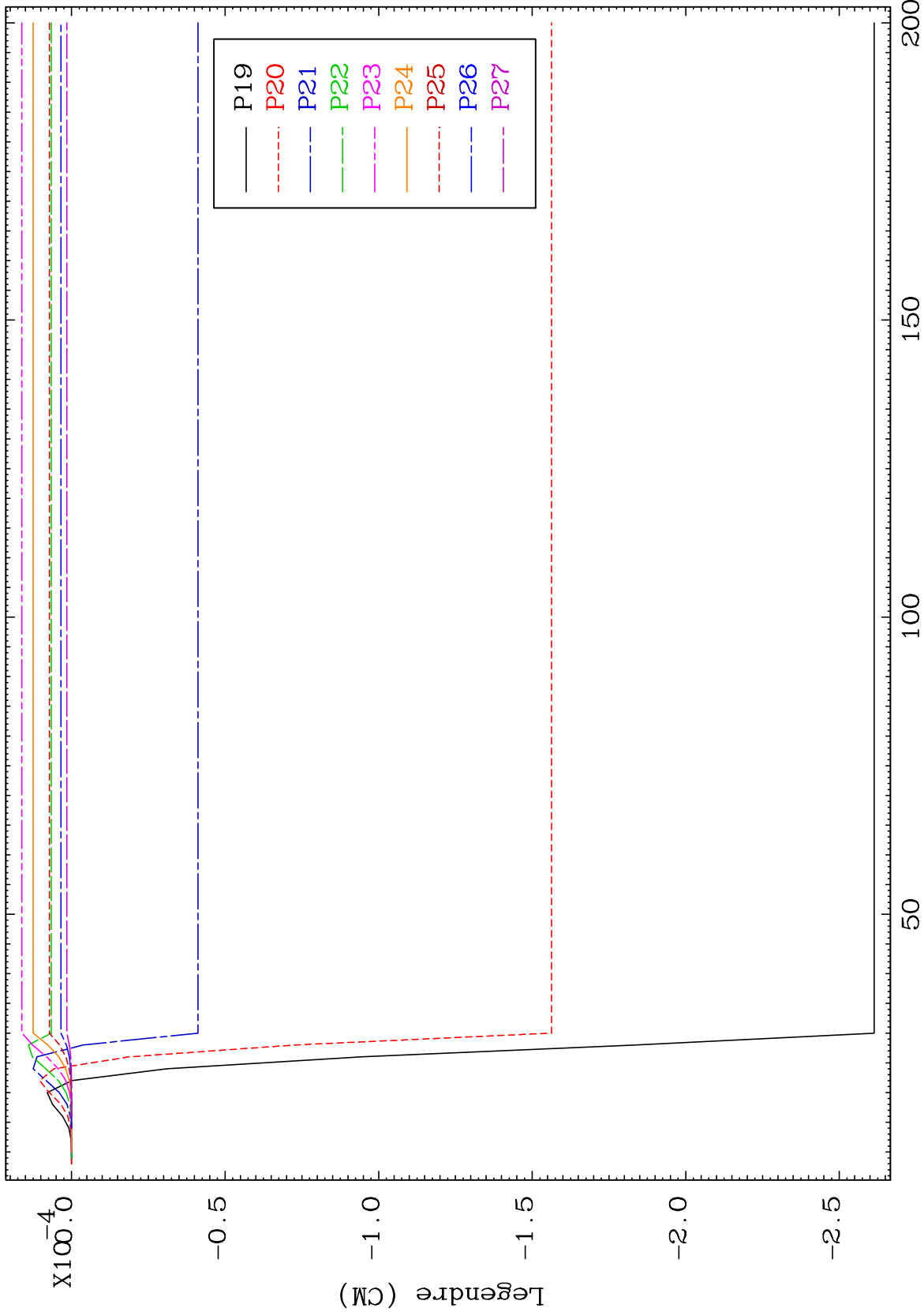
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

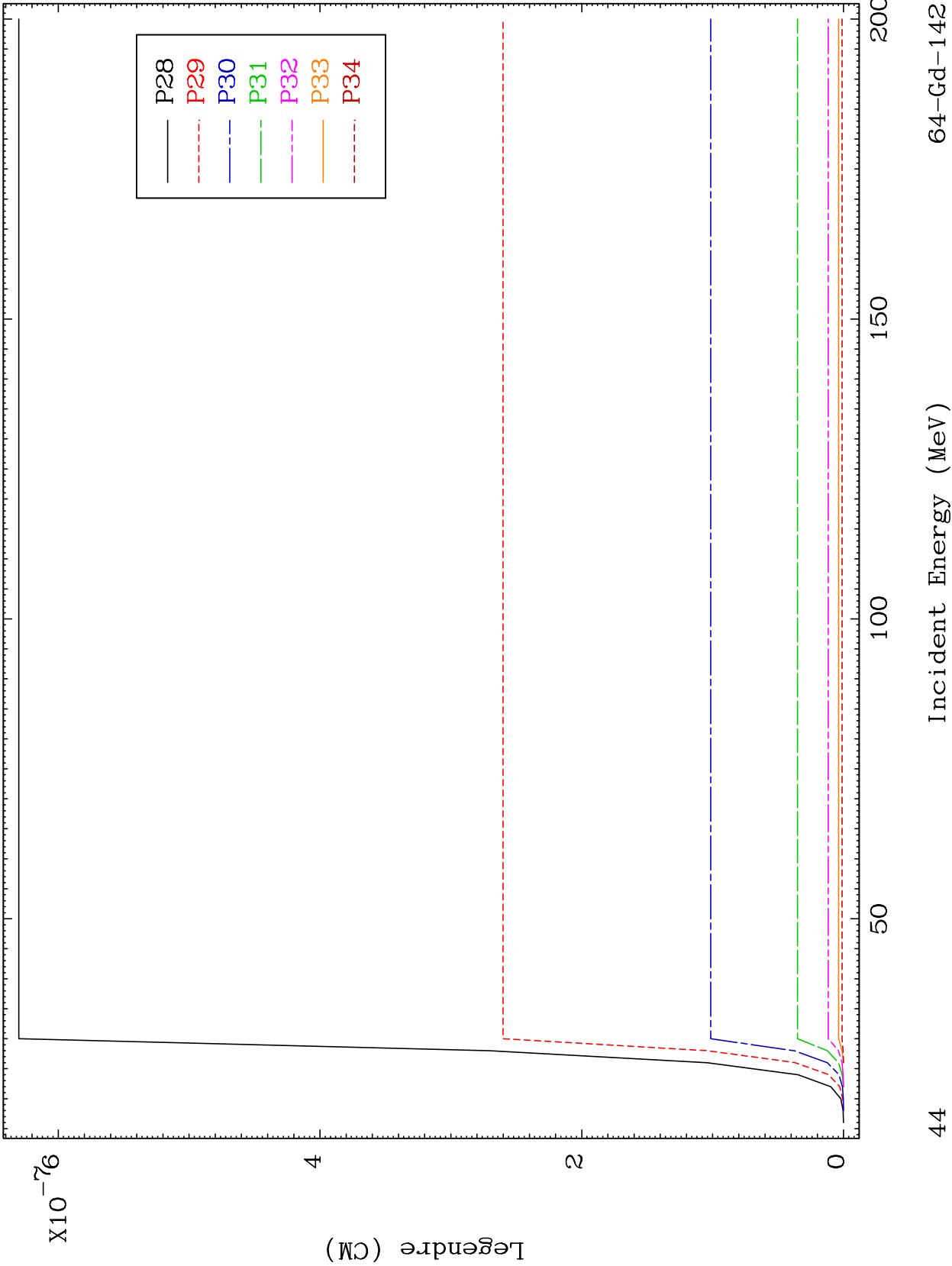
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MAT 6395

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

64-Gd-142



44

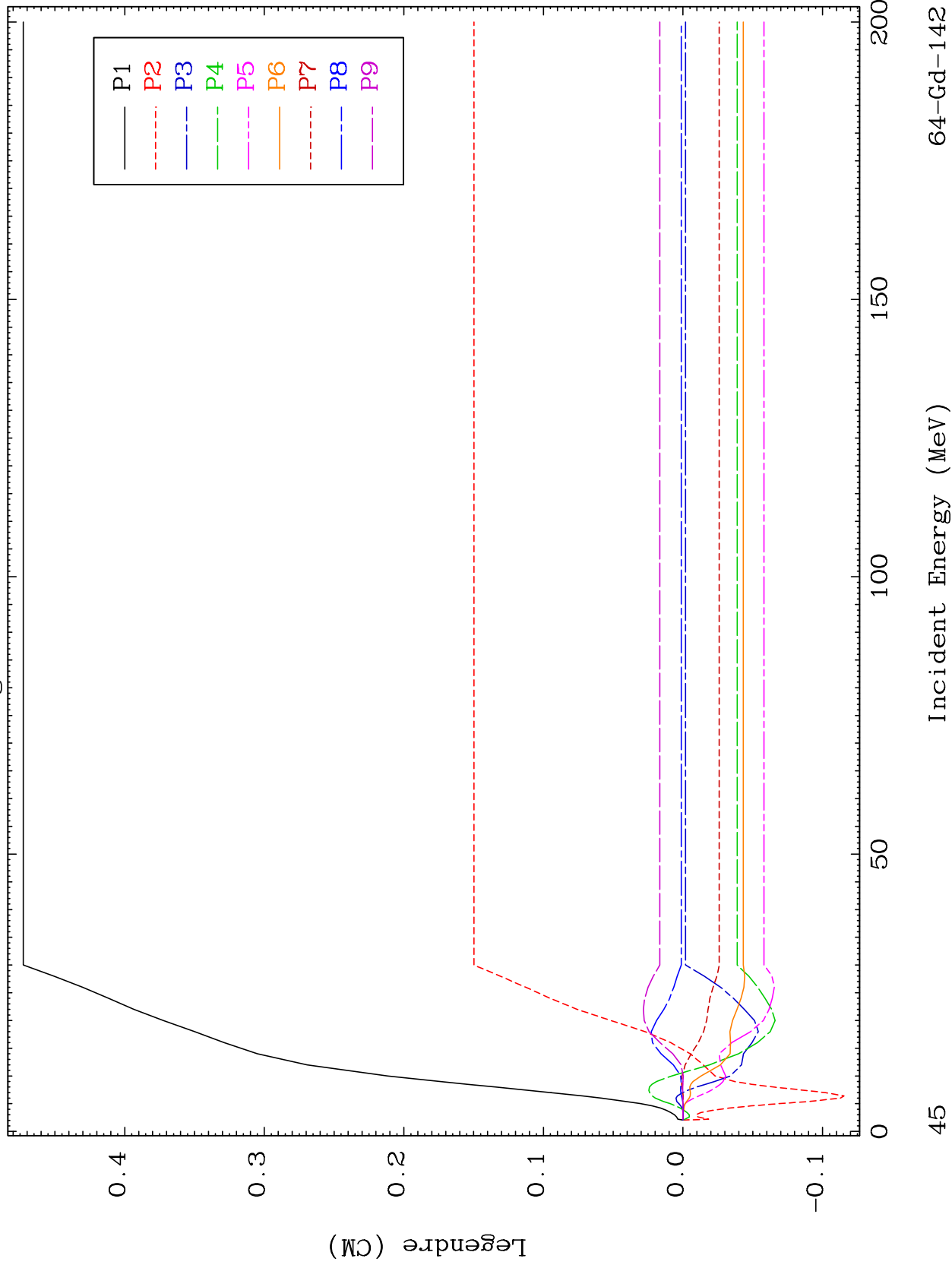
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



64-Gd-142

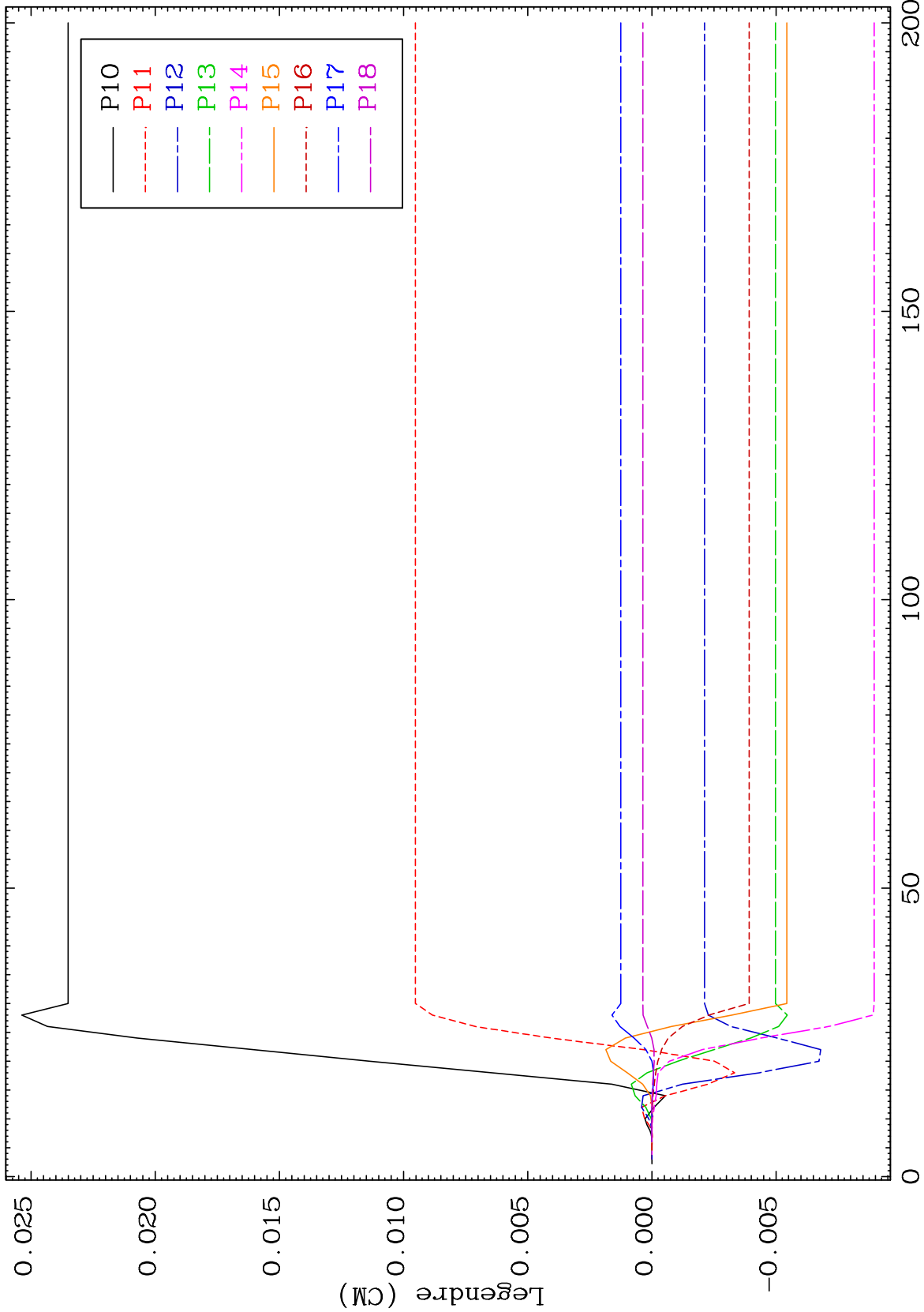
Incident Energy (MeV)

45

MAT 6395

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

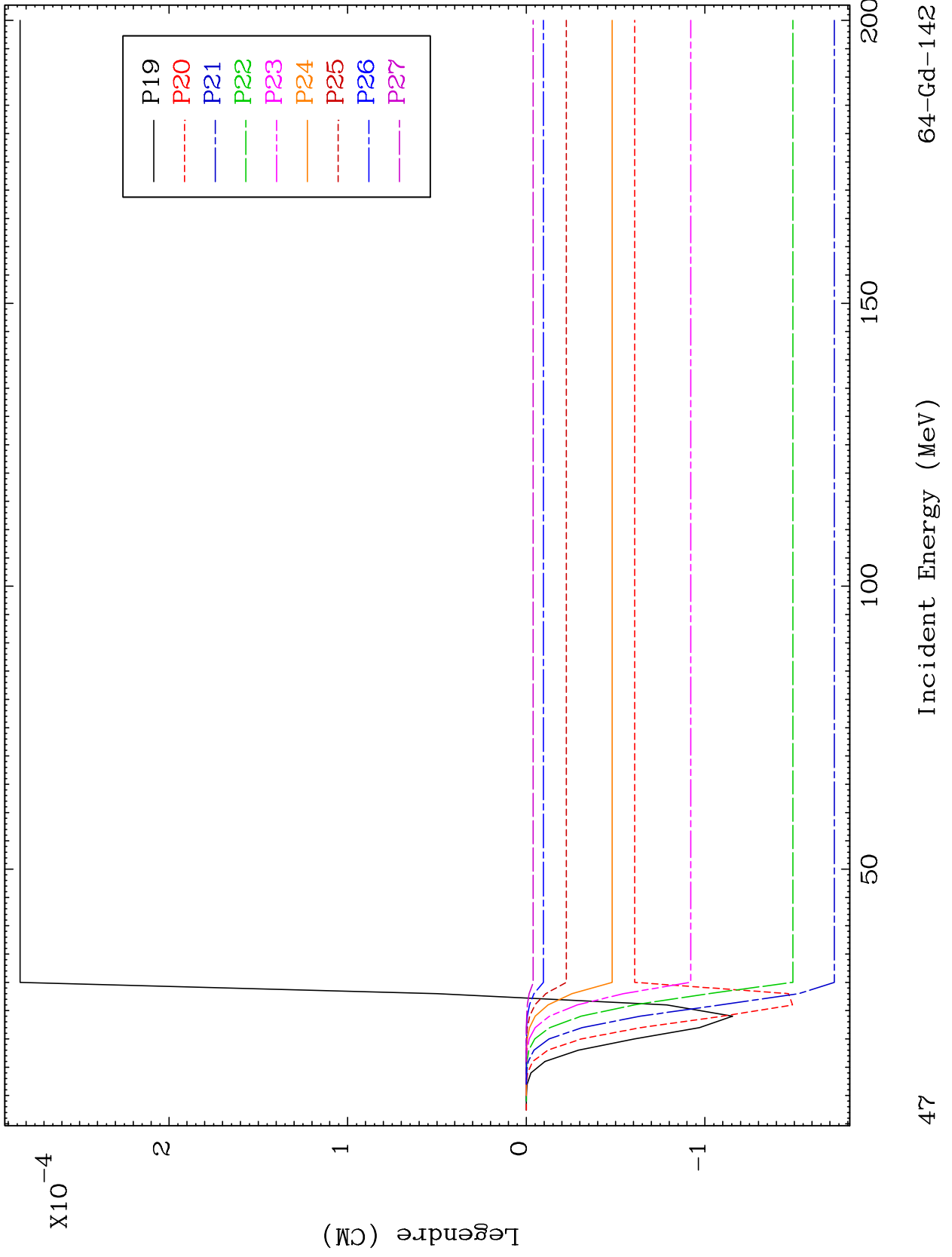
64-Gd-142



46

Incident Energy (MeV)

64-Gd-142

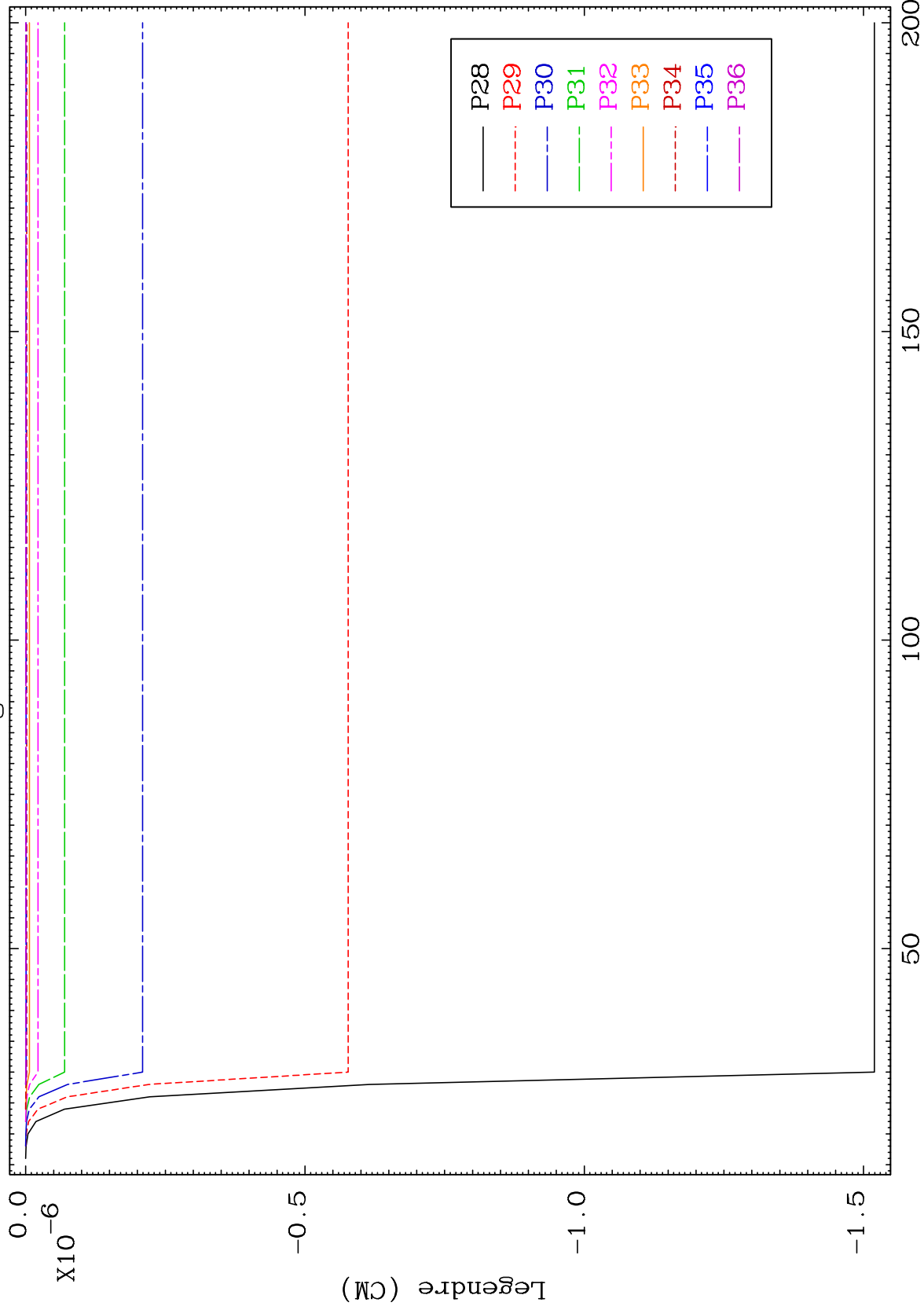




MAT 6395

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

64-Gd-142



48

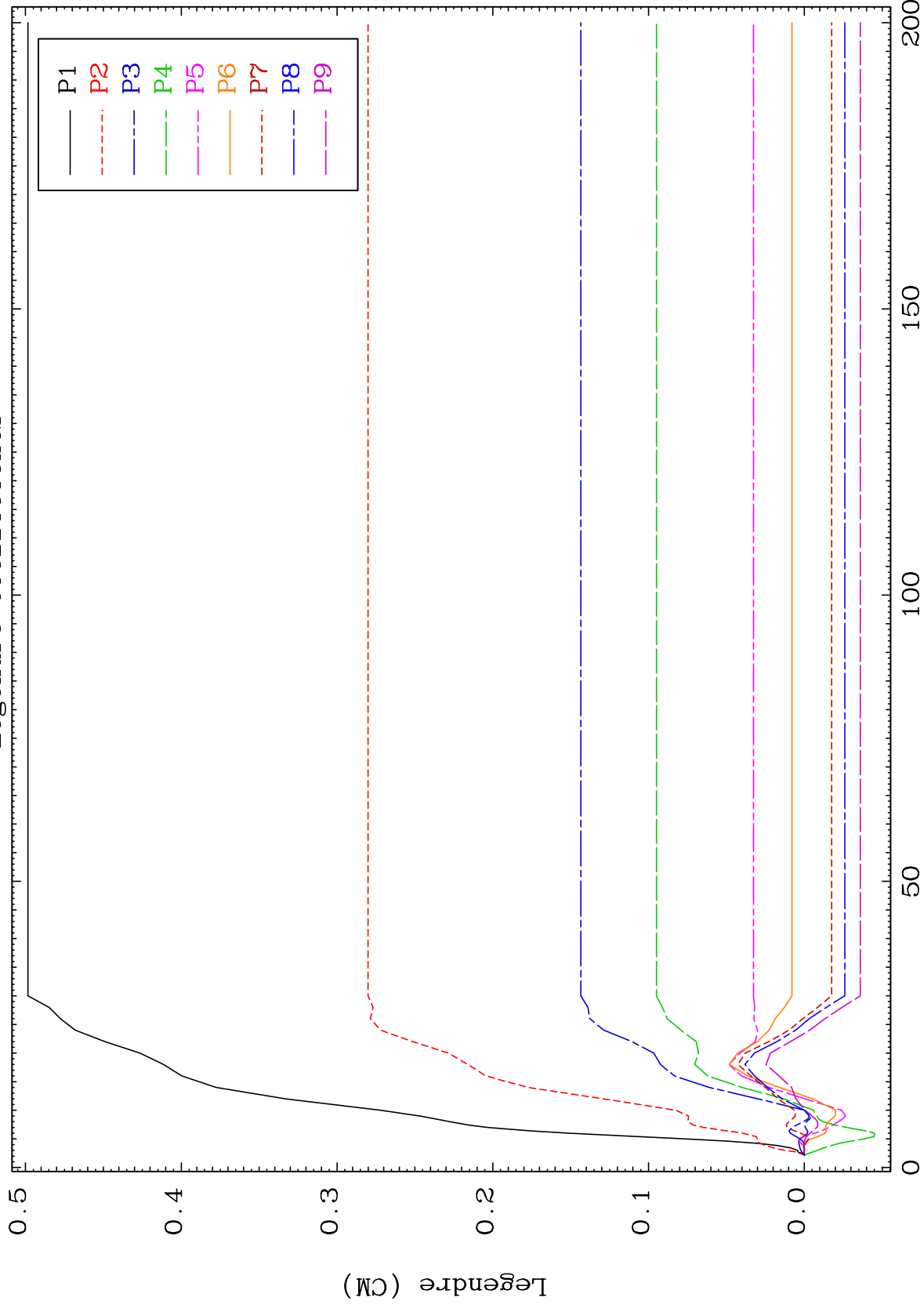
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



64-Gd-142

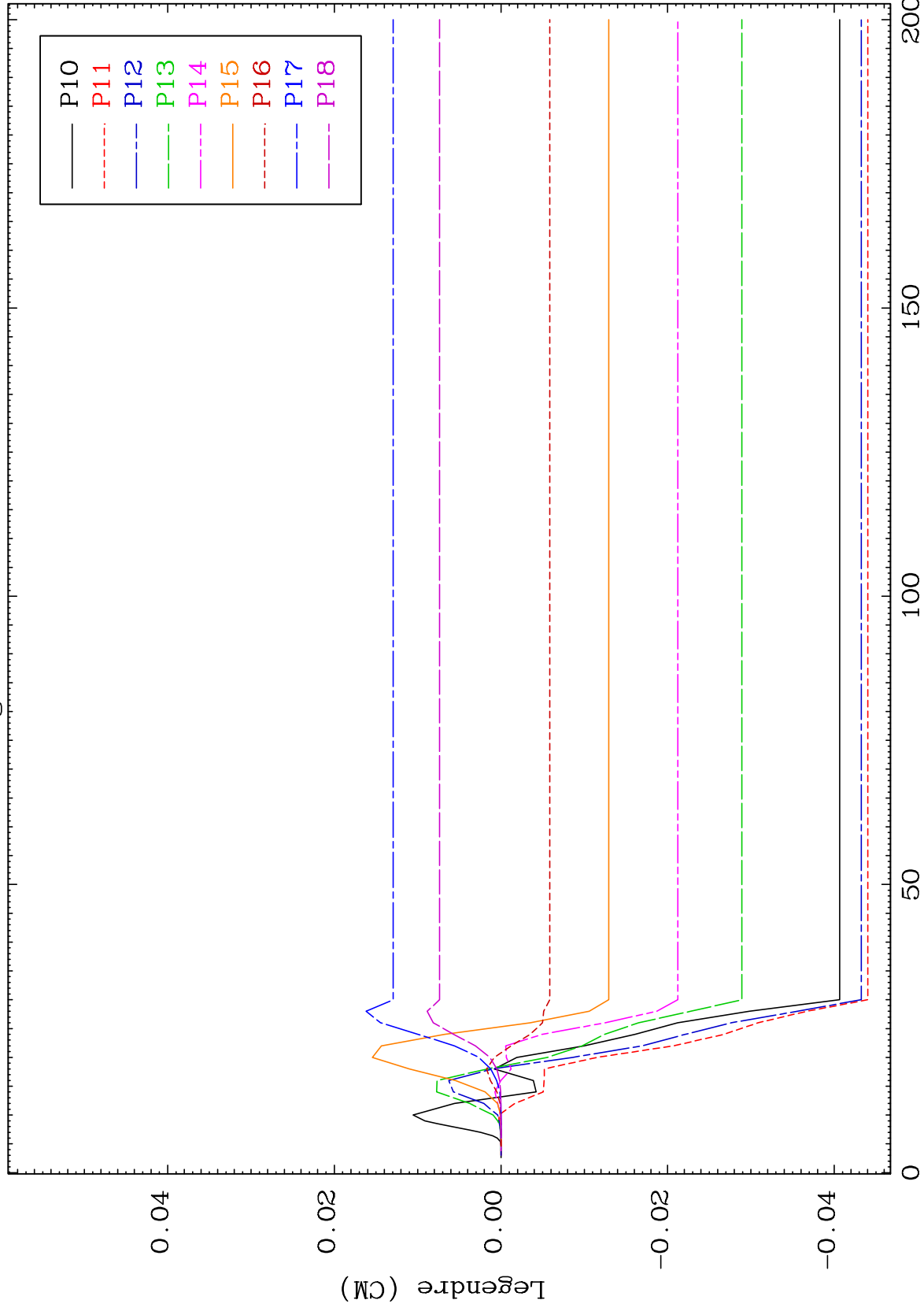
Incident Energy (MeV)

49

MAT 6395

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

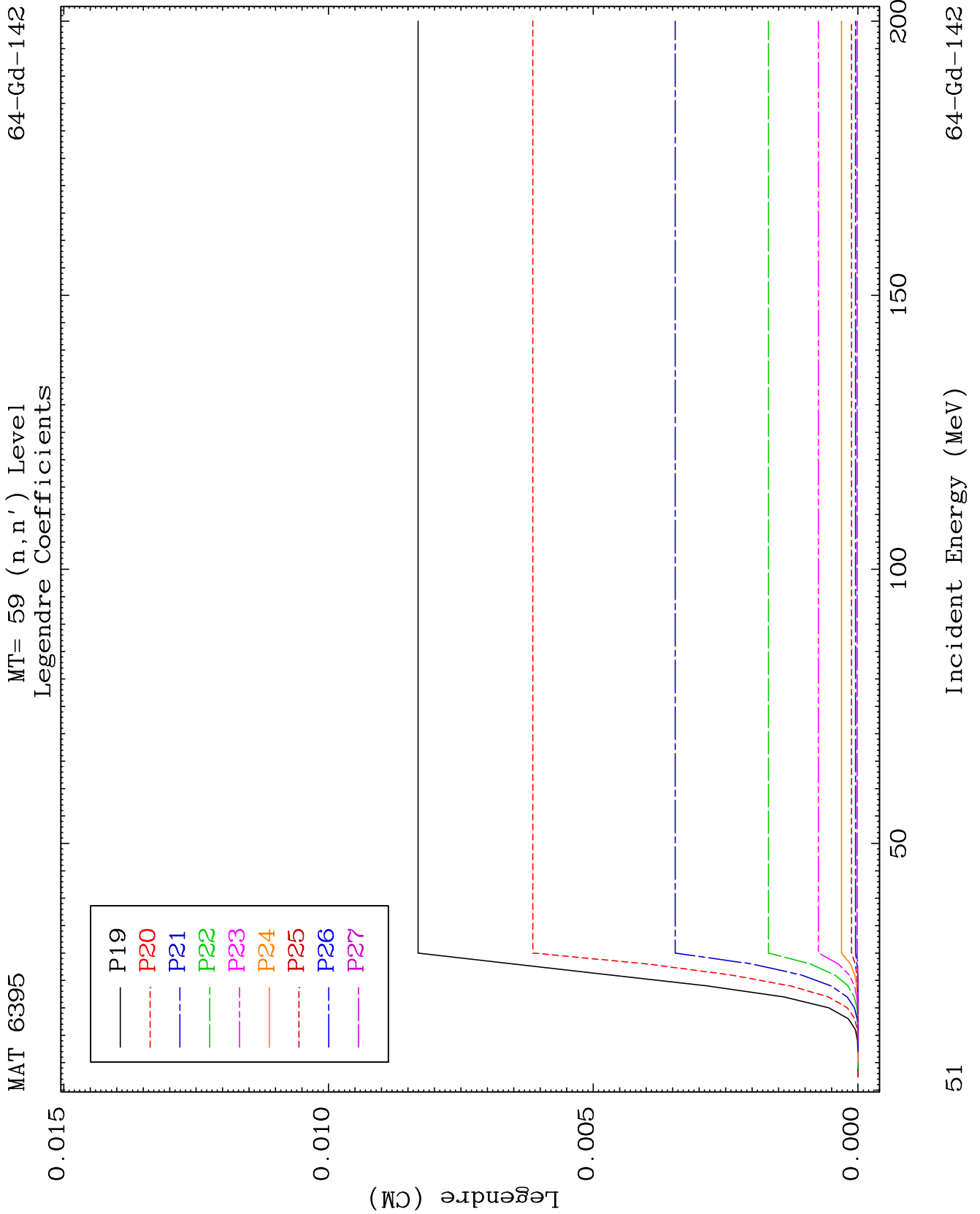
64-Gd-142



64-Gd-142

Incident Energy (MeV)

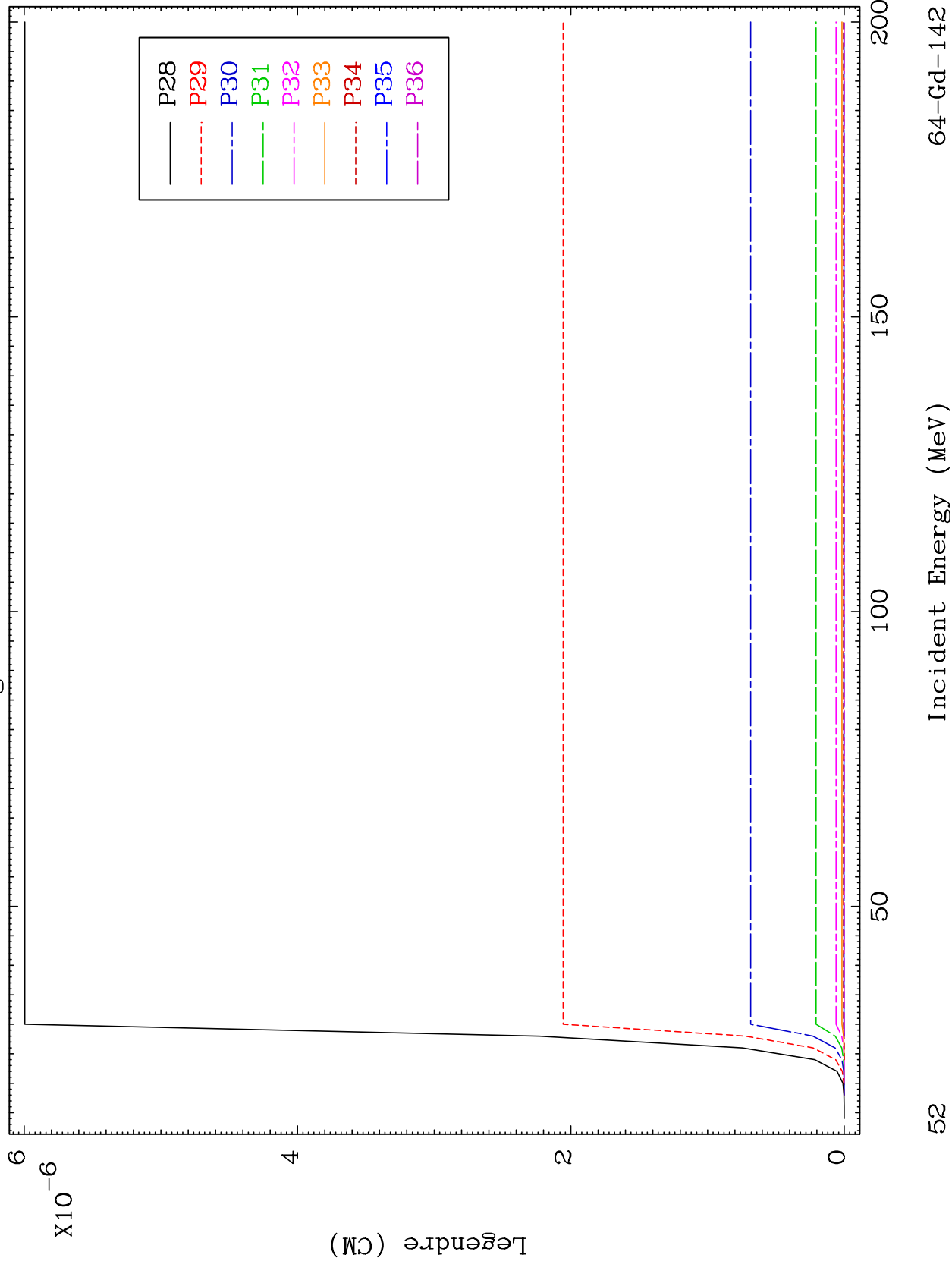
50



MAT 6395

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

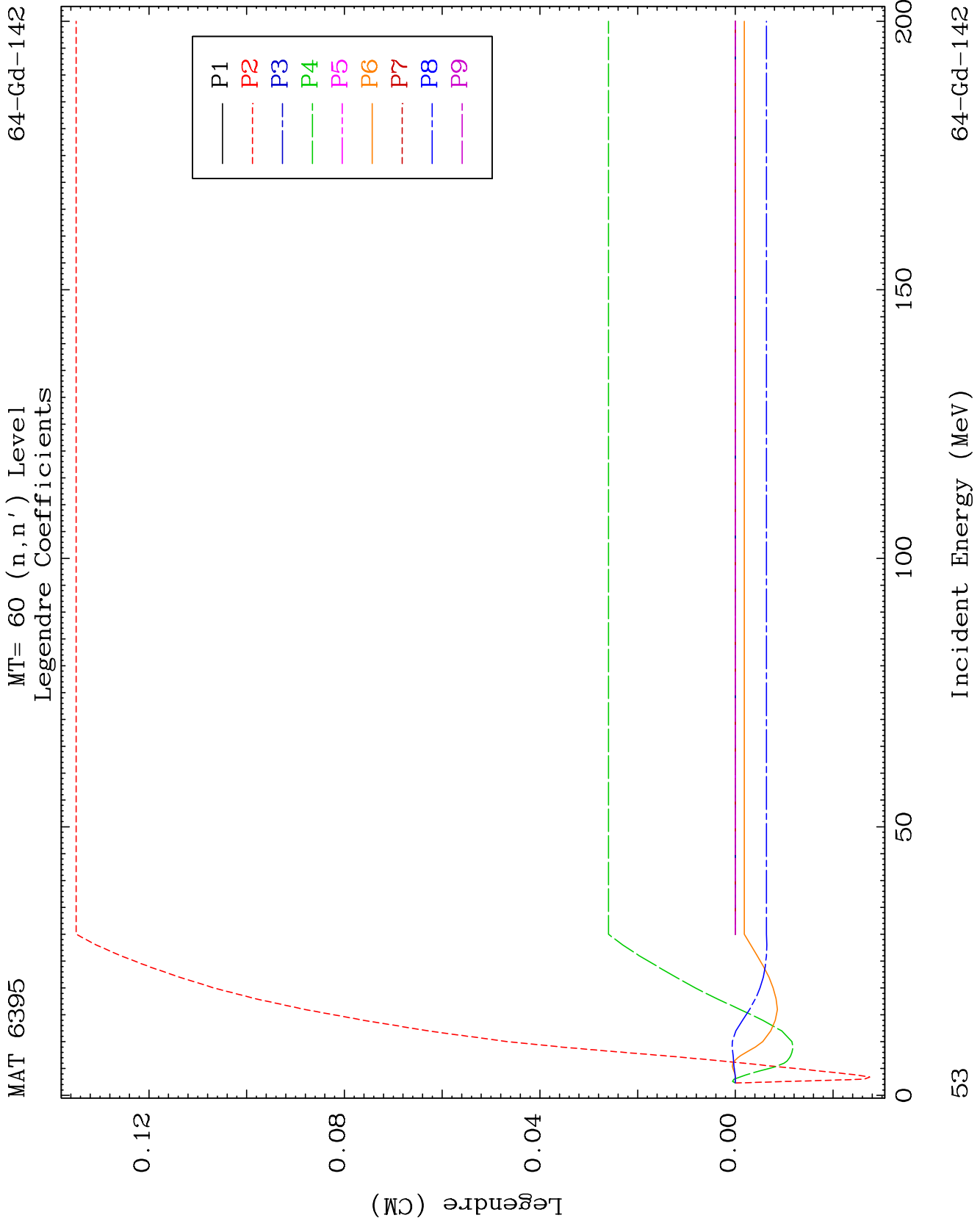
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52

Incident Energy (MeV)

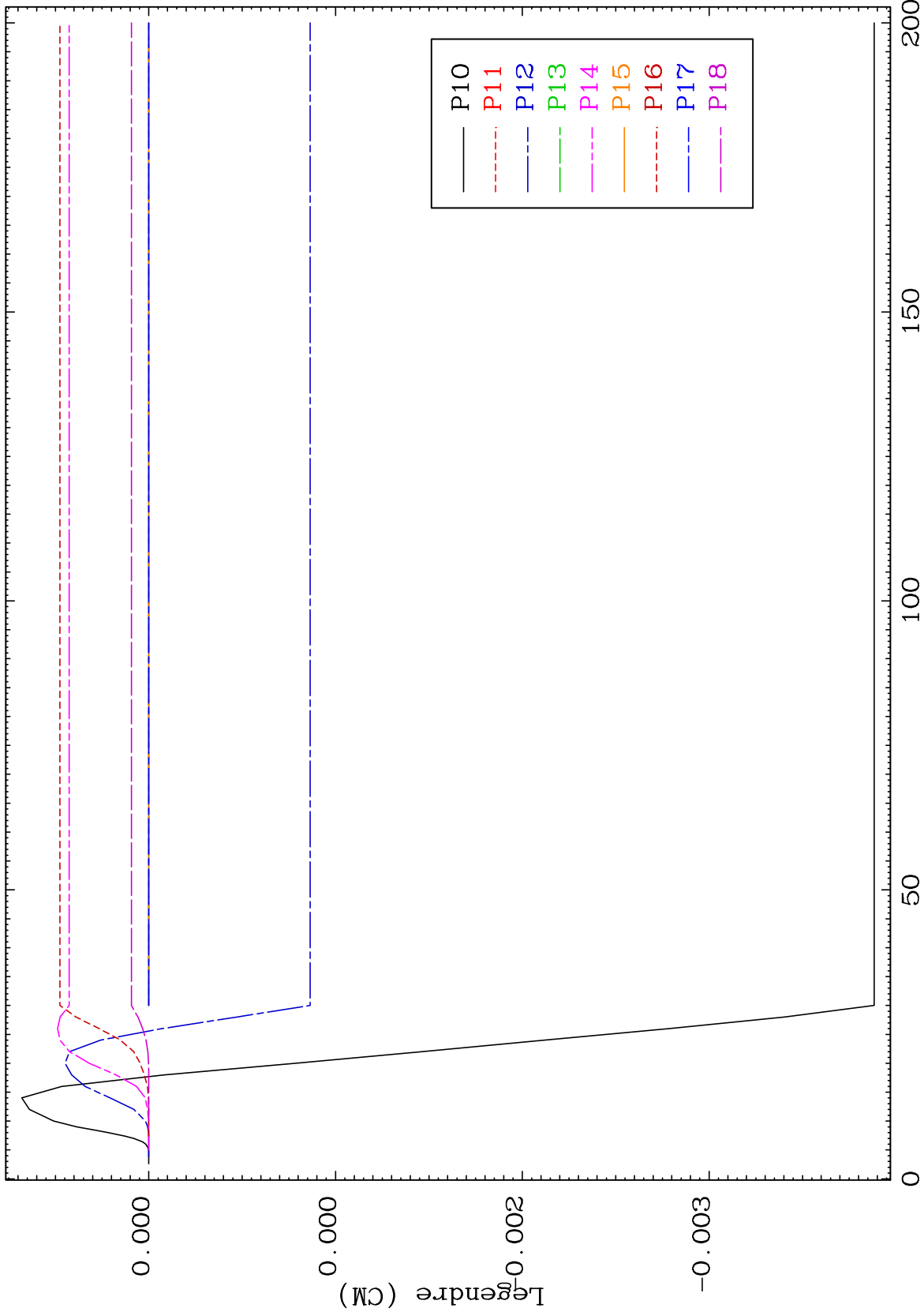
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MAT 6395

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

64-Gd-142



54

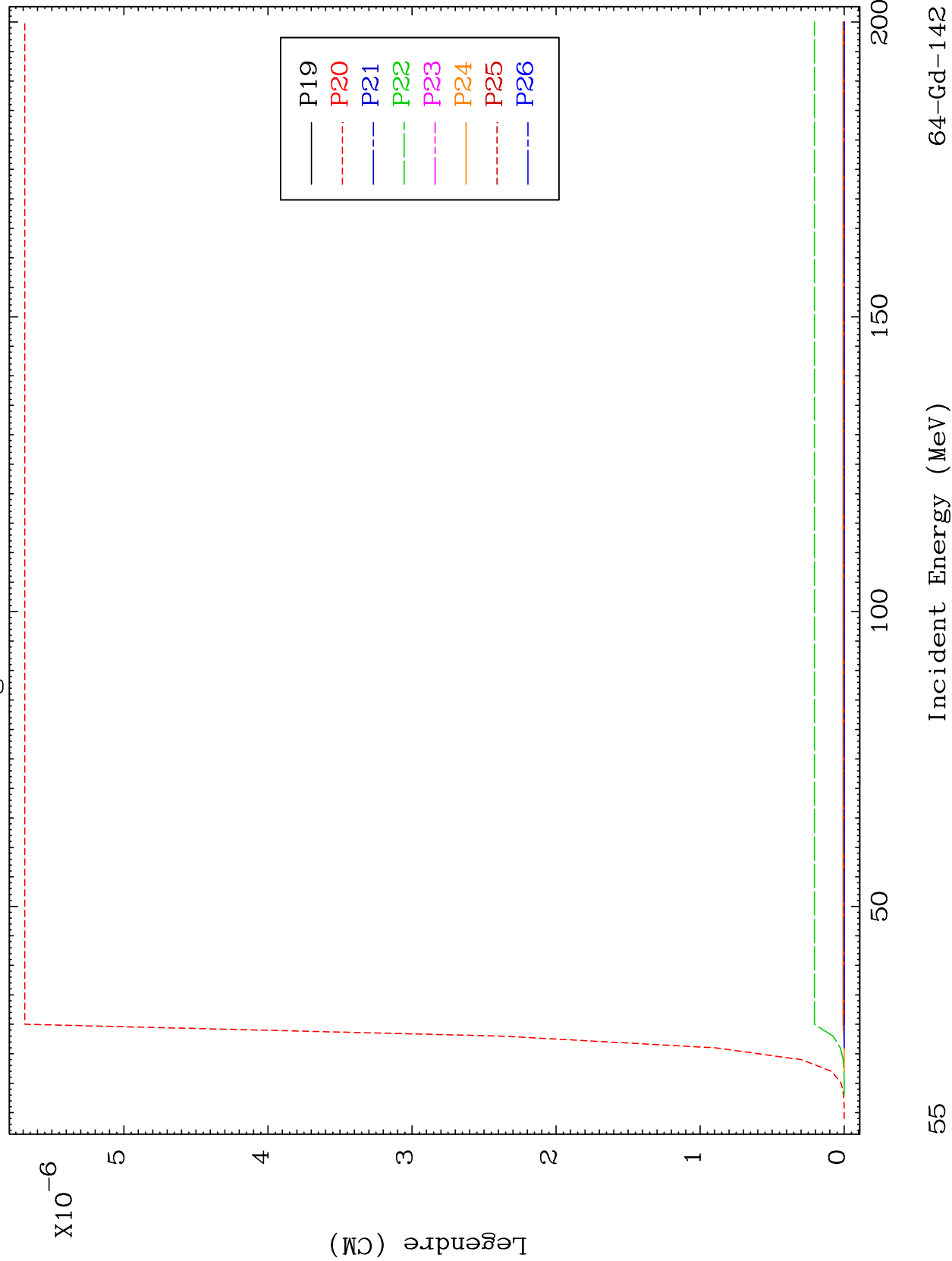
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



64-Gd-142

Incident Energy (MeV)

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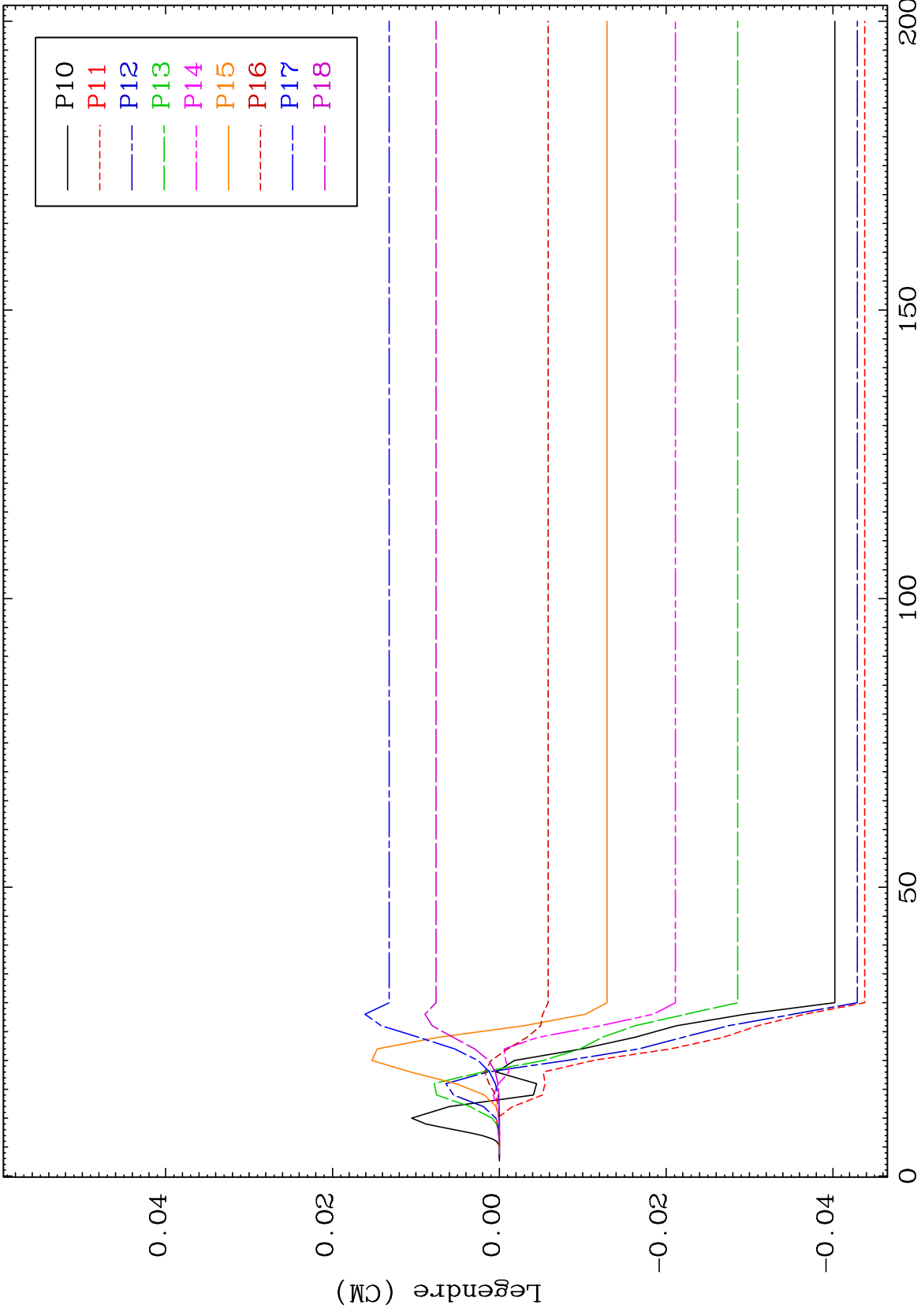




MAT 6395

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

64-Gd-142



57

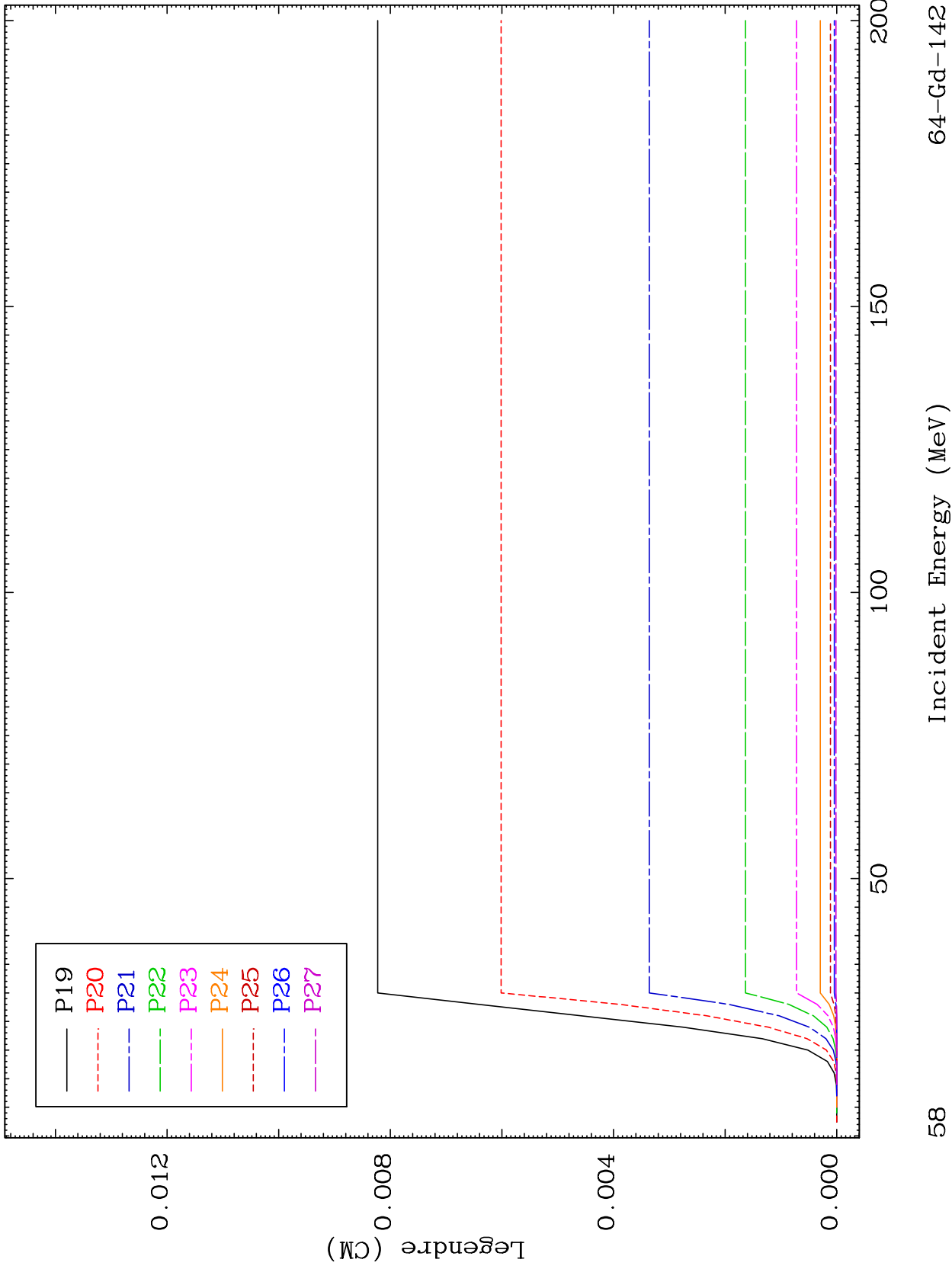
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



58

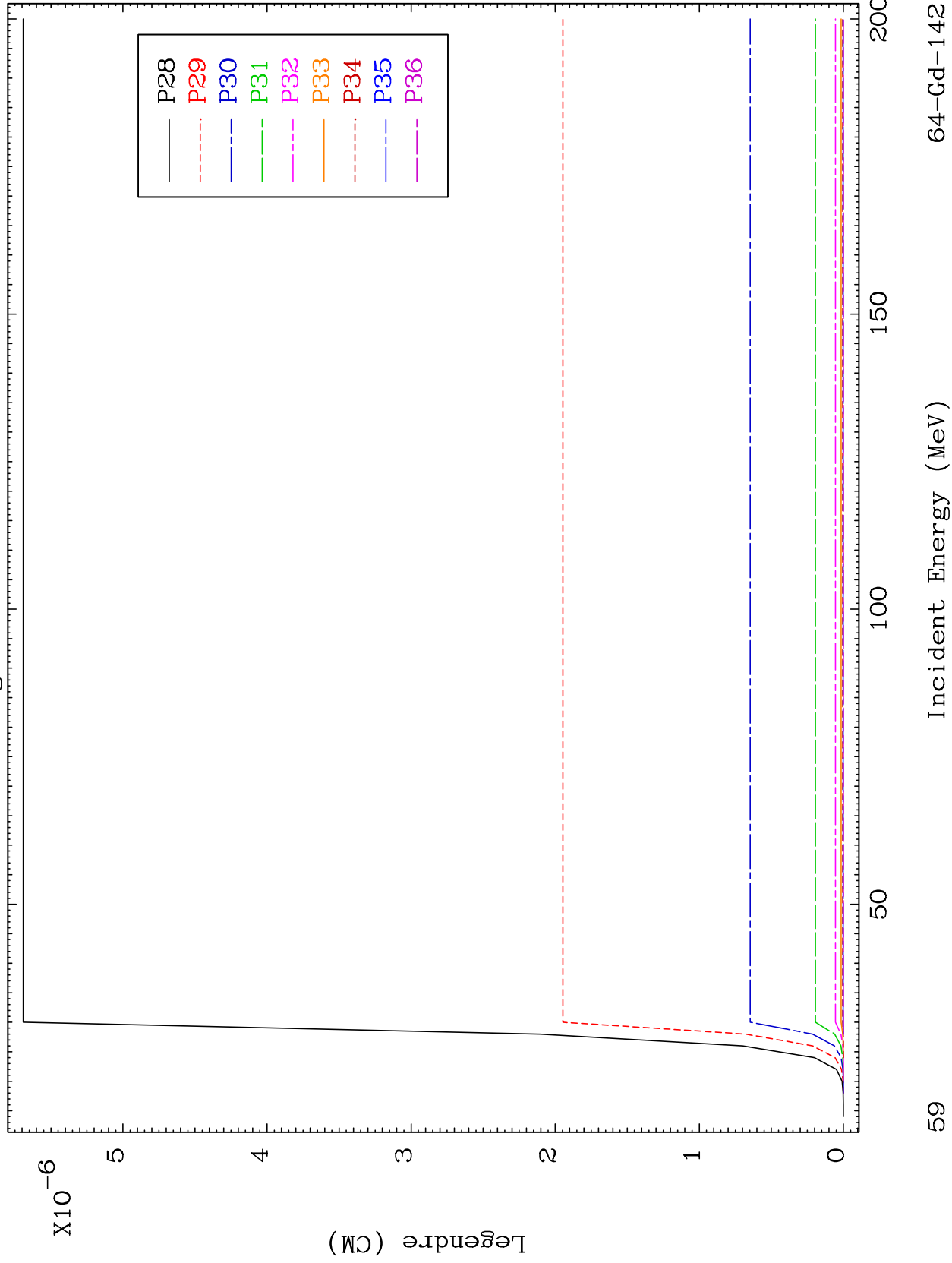
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



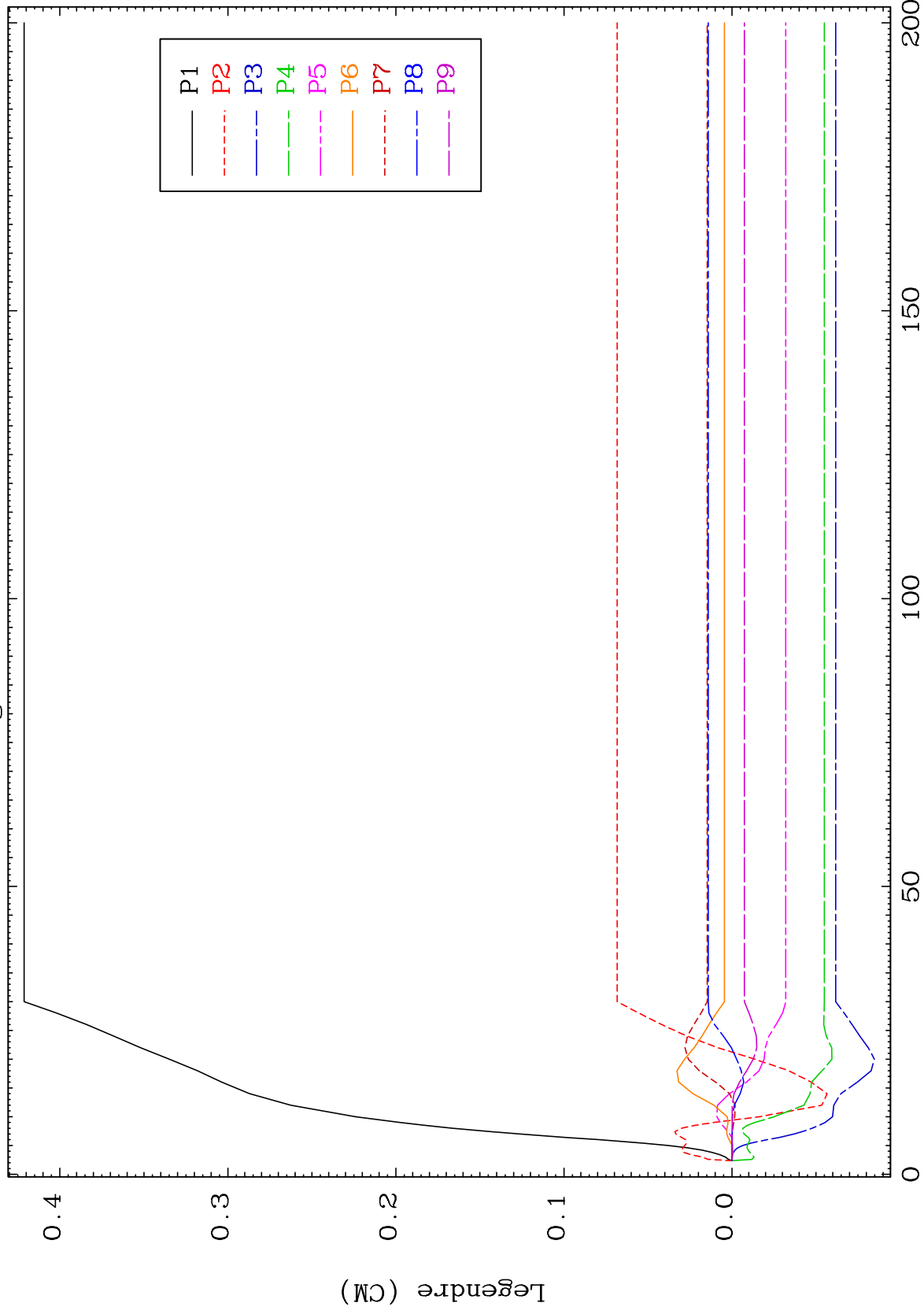
59

64-Gd-142

MAT 6395

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

64-Gd-142



64-Gd-142

Incident Energy (MeV)

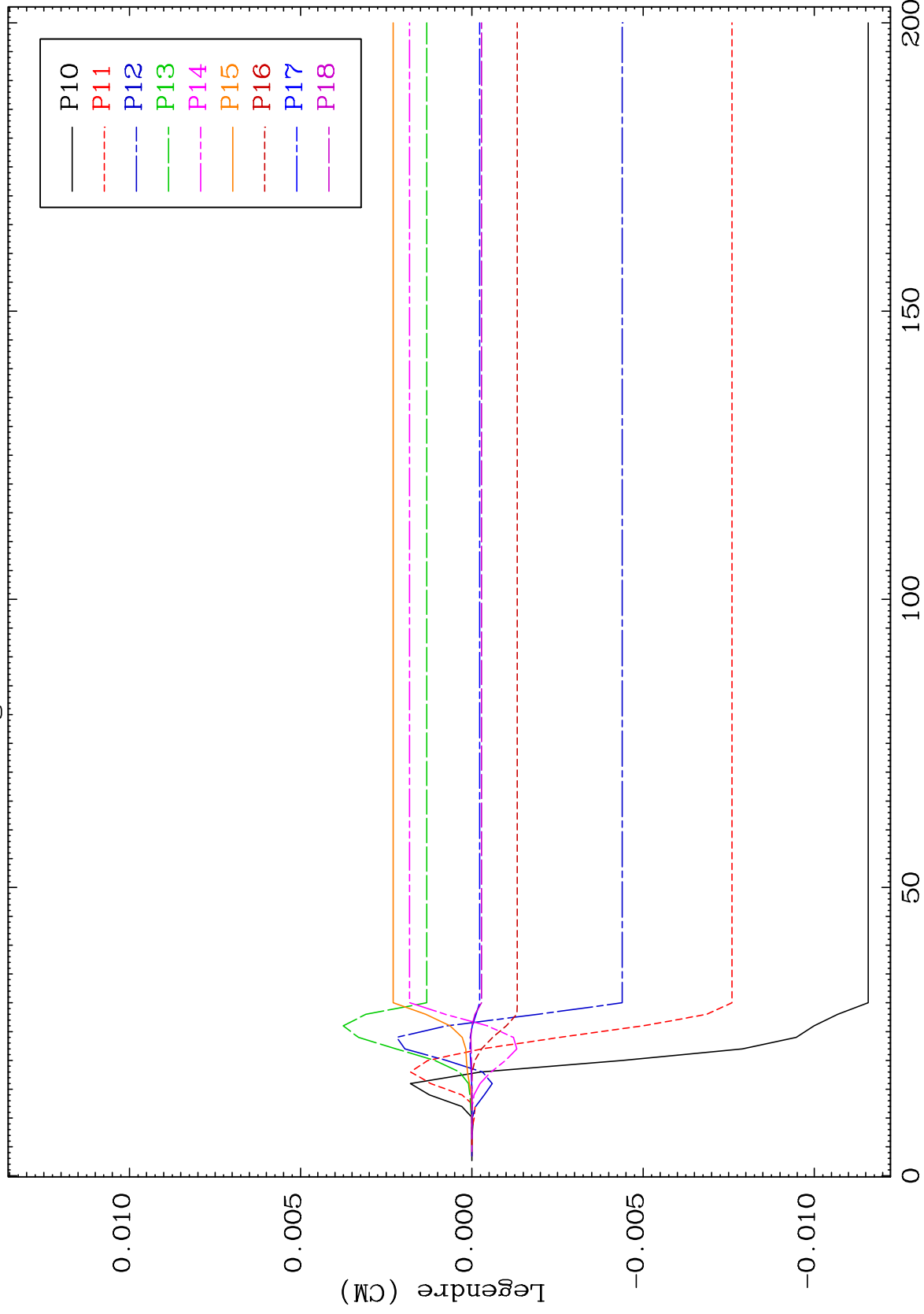
60

200

MAT 6395

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

64-Gd-142

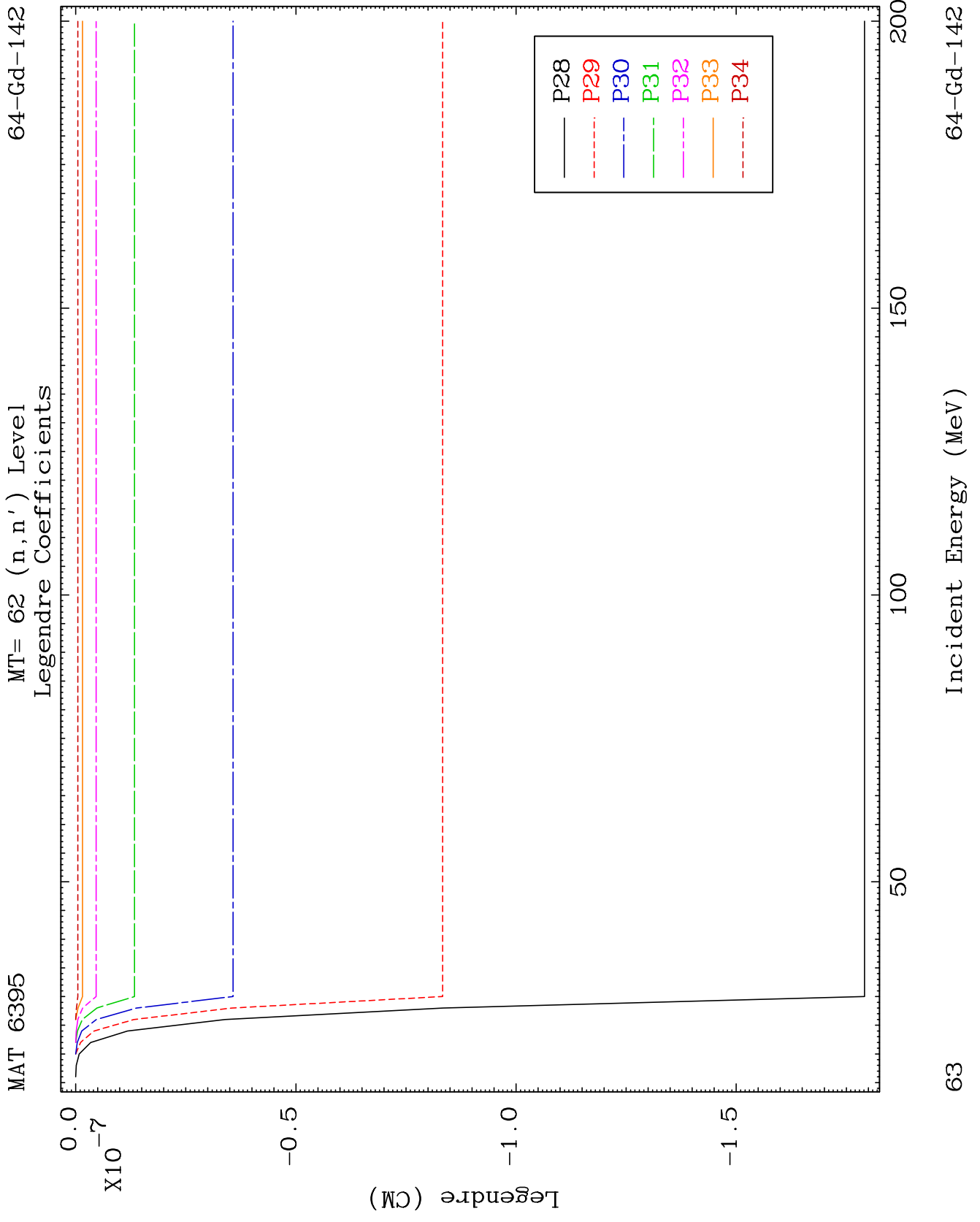


61

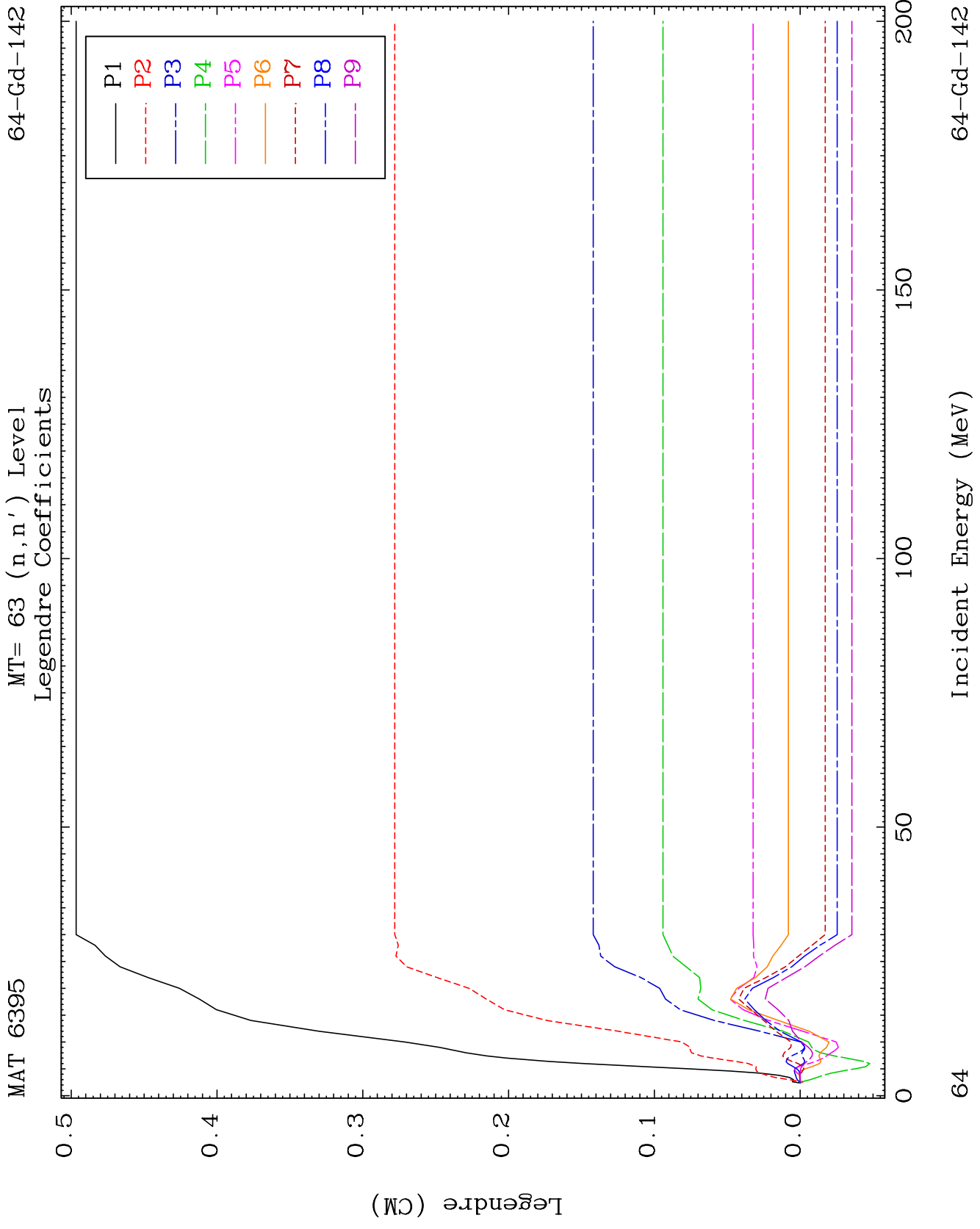
Incident Energy (MeV)

64-Gd-142





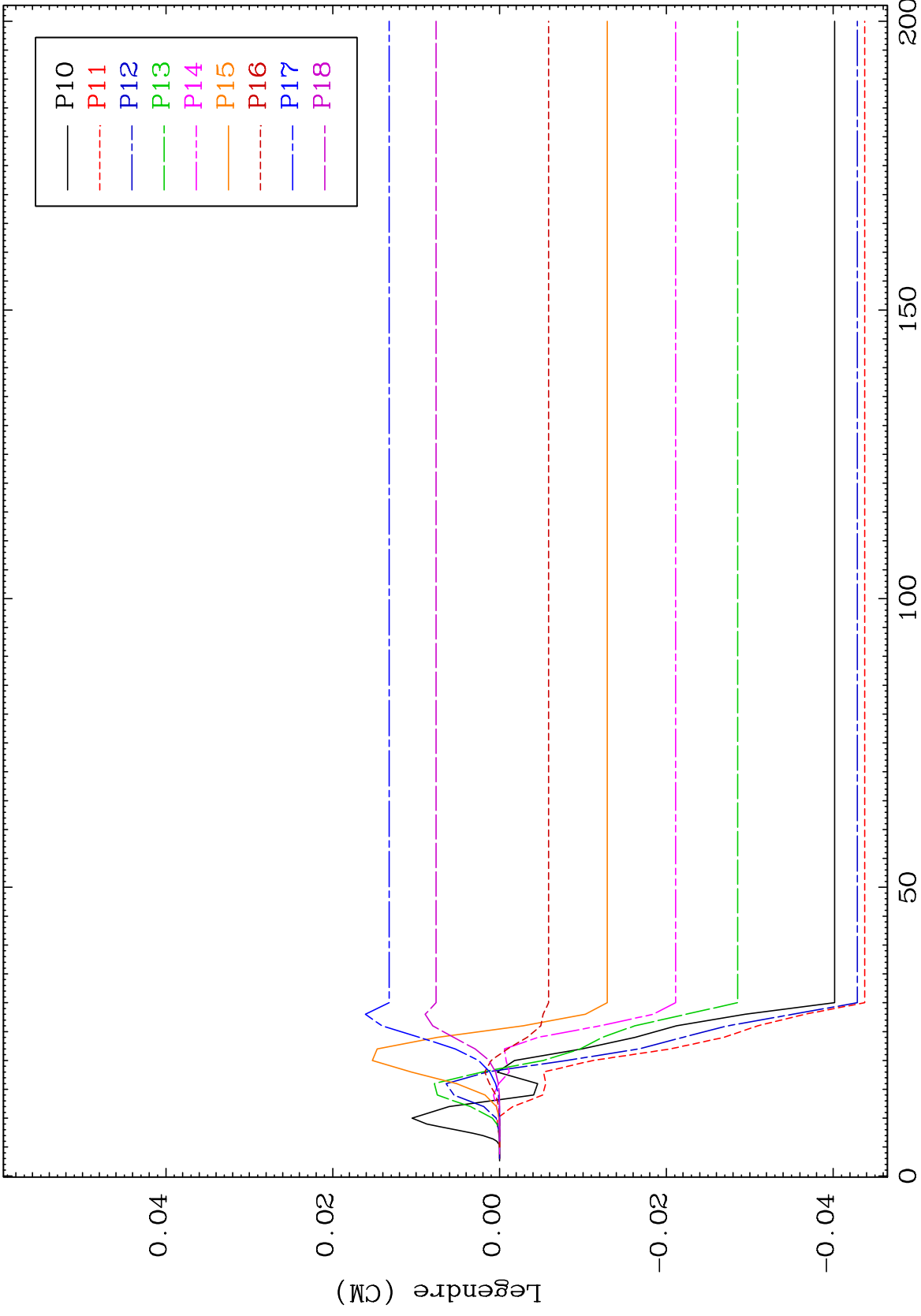




MAT 6395

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

64-Gd-142



65

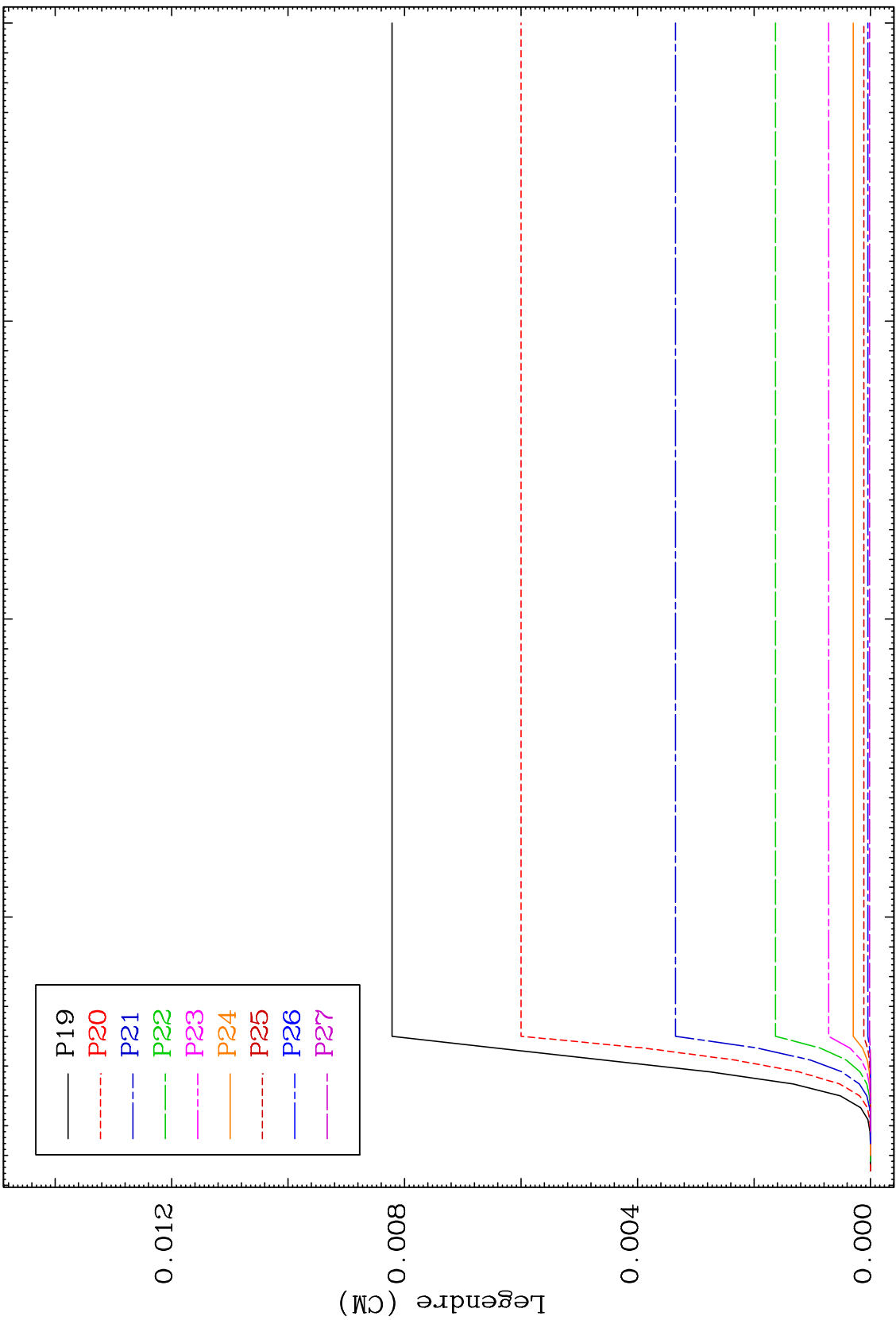
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



66

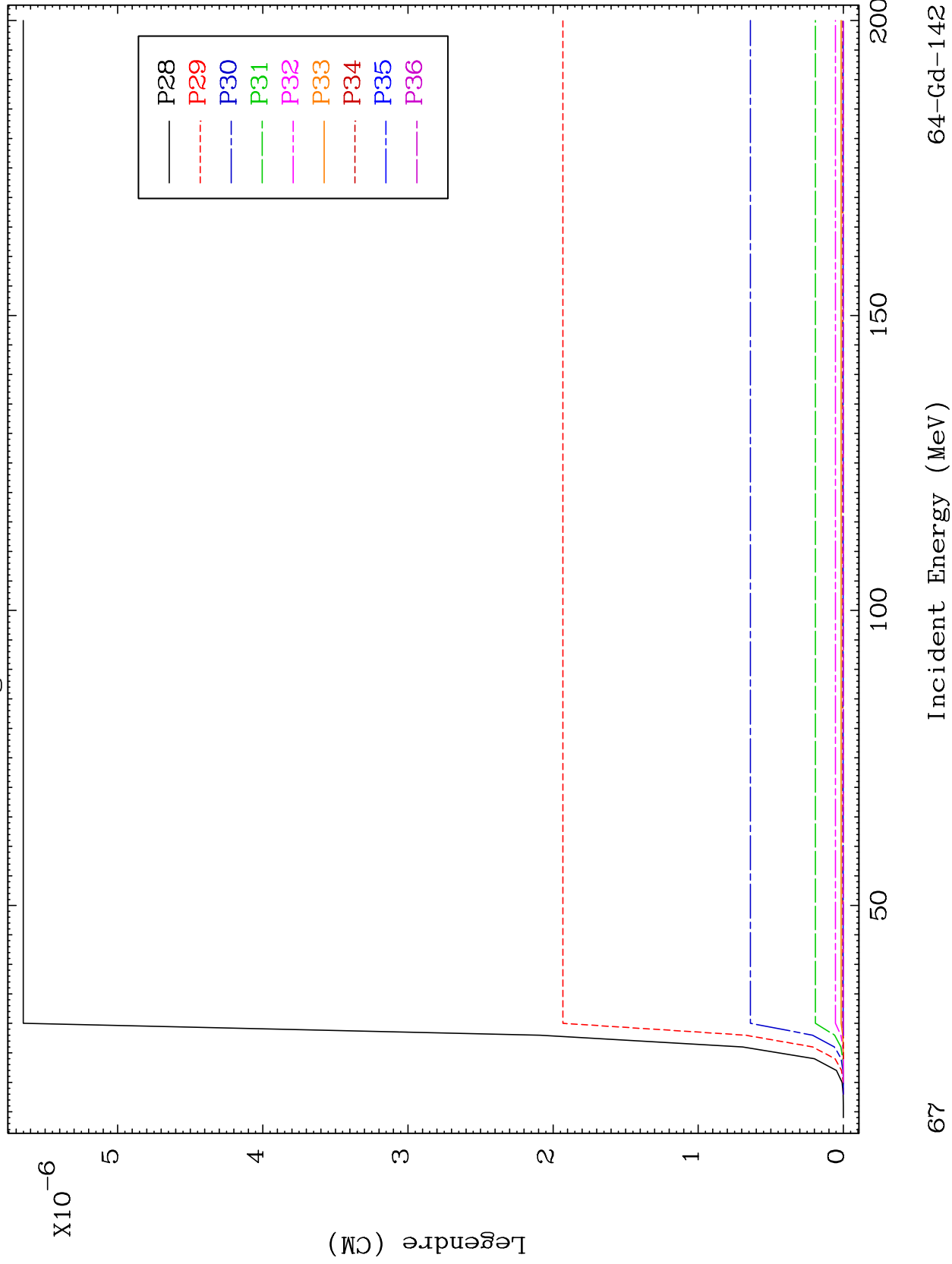
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

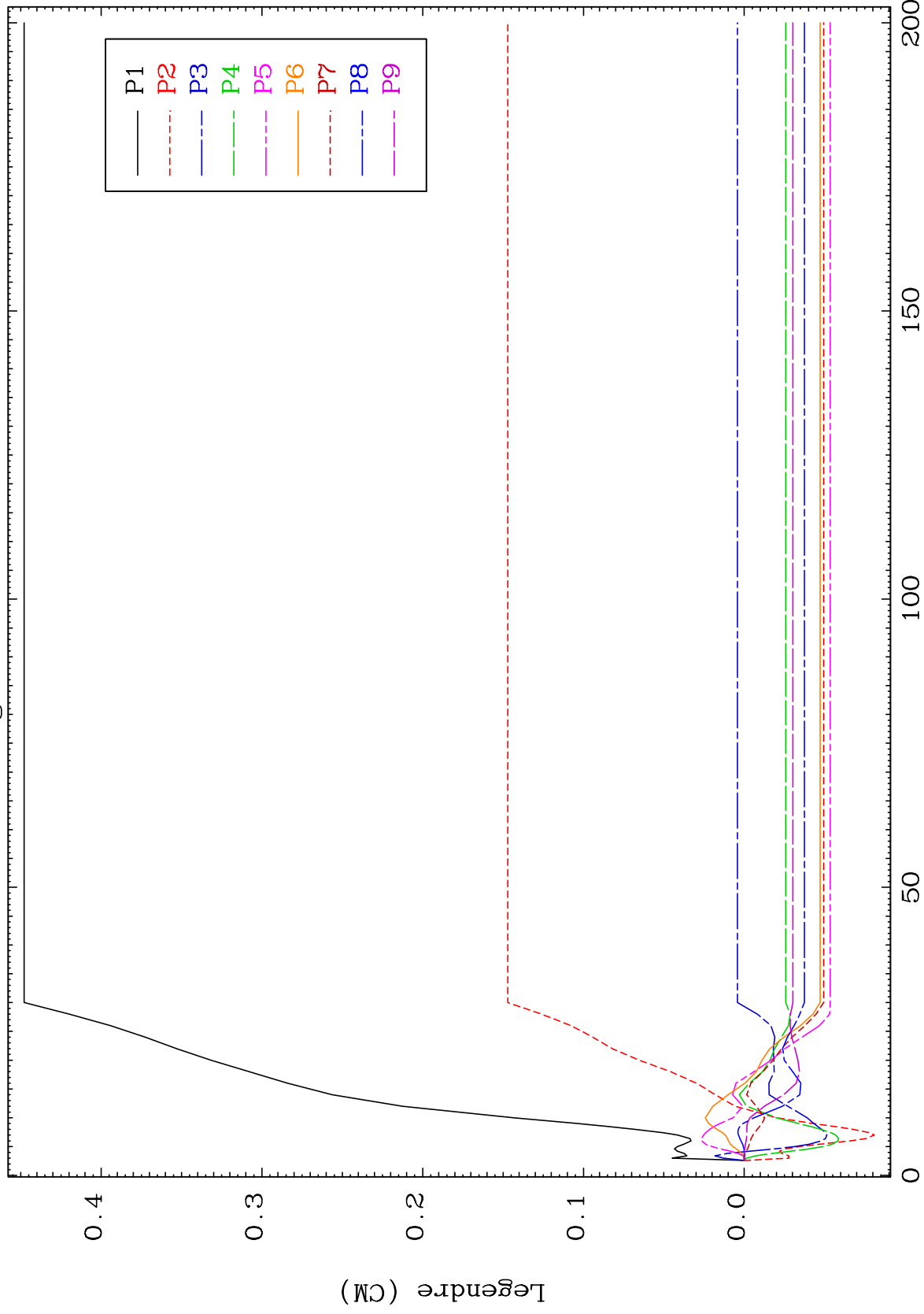
64-Gd-142



MAT 6395

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

64-Gd-142



68

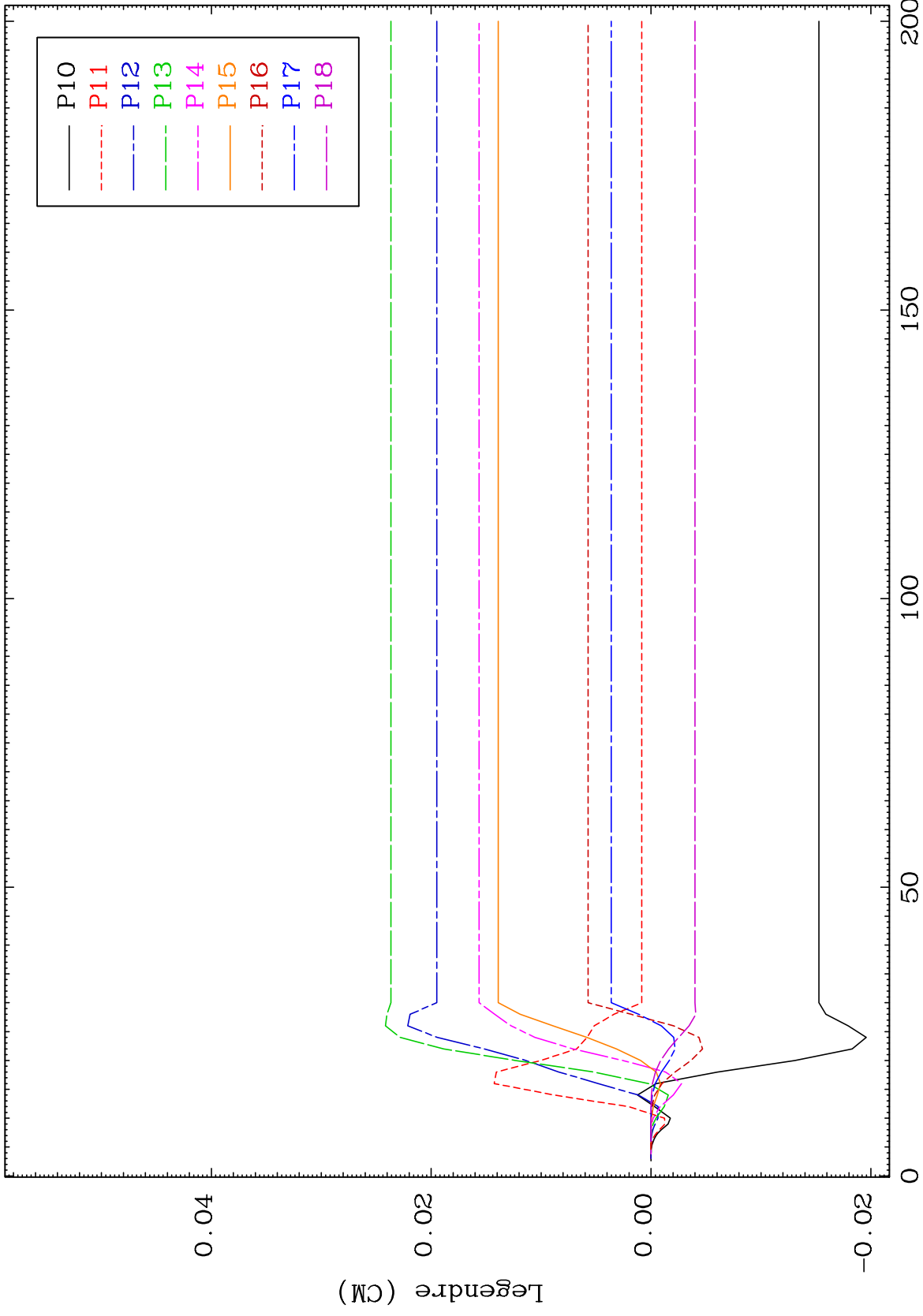
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



69

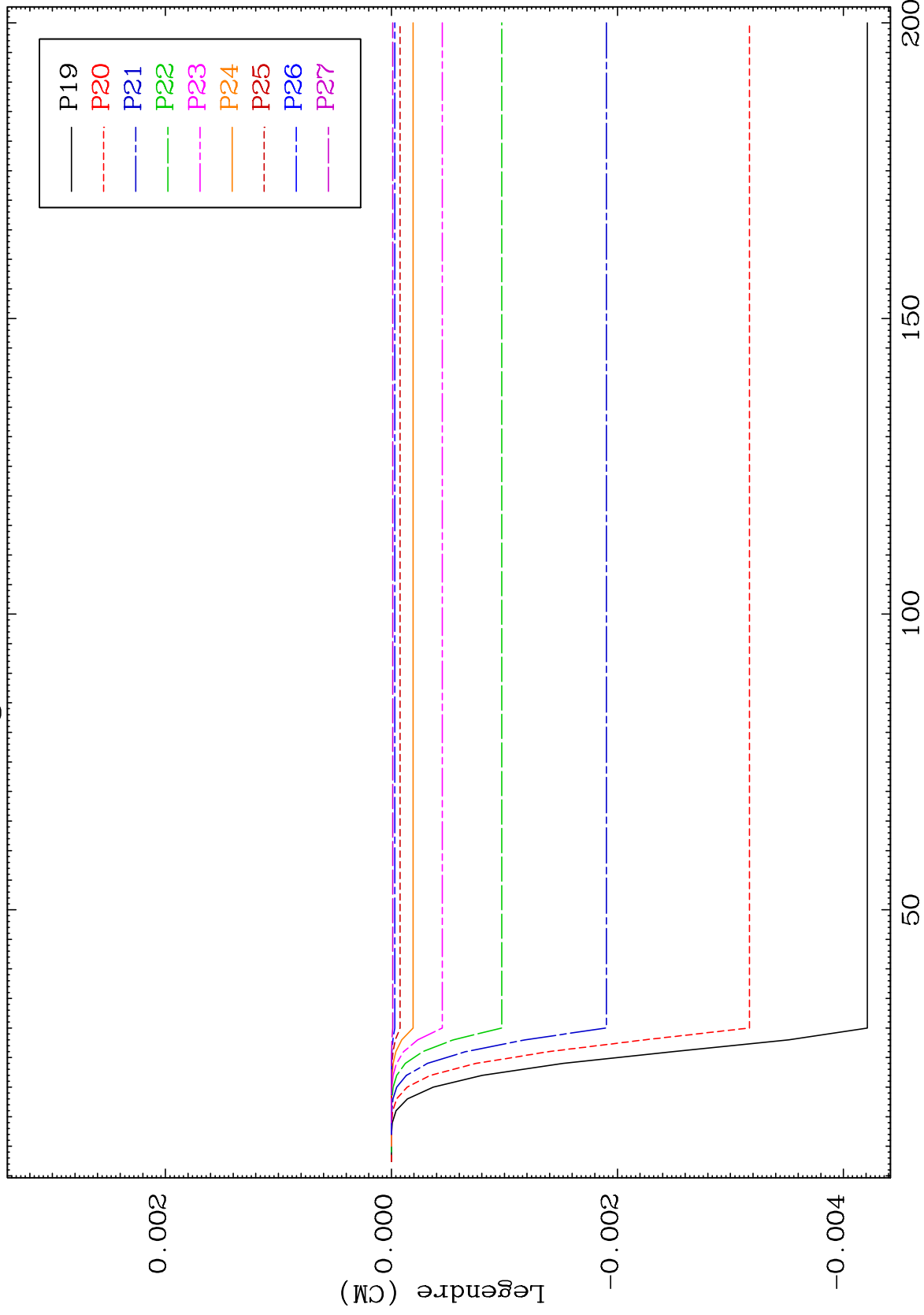
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



70

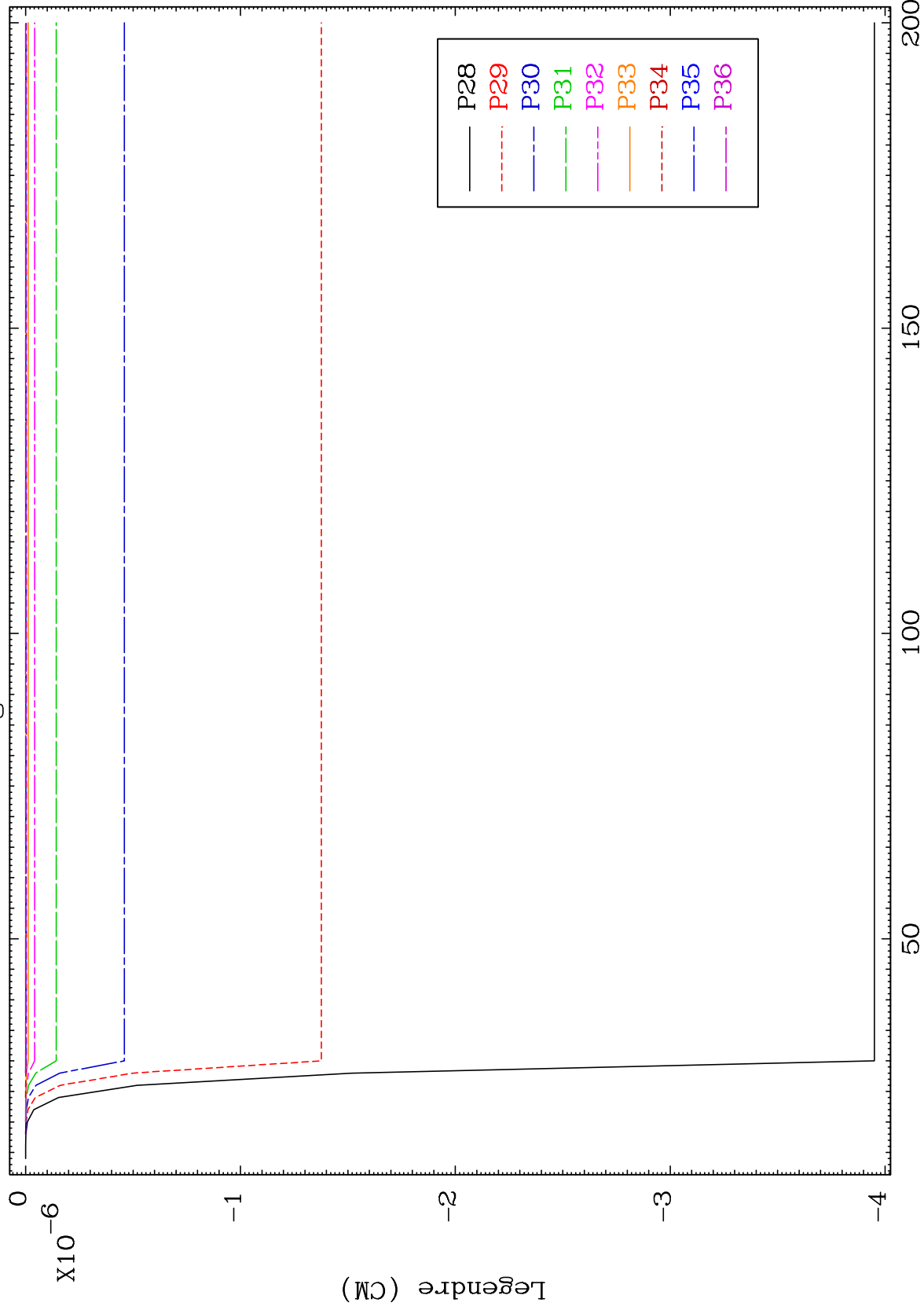
Incident Energy (MeV)

64-Gd-142

MAT 6395

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

64-Gd-142



71

Incident Energy (MeV)

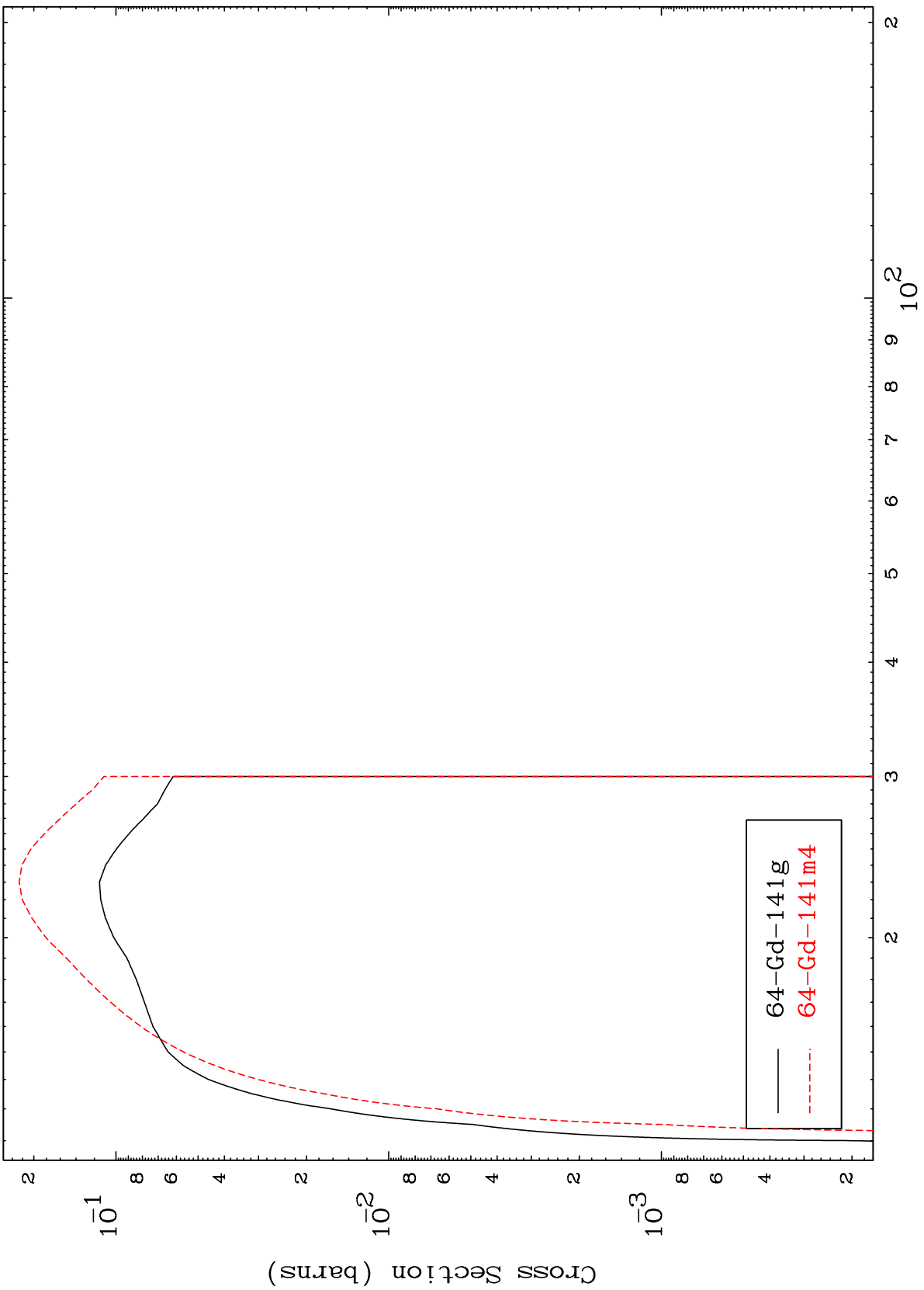
64-Gd-142



MAT 6395

64-Gd-142

Radionuclide Production Cross Section  
(n,2n)



72

Incident Energy (MeV)

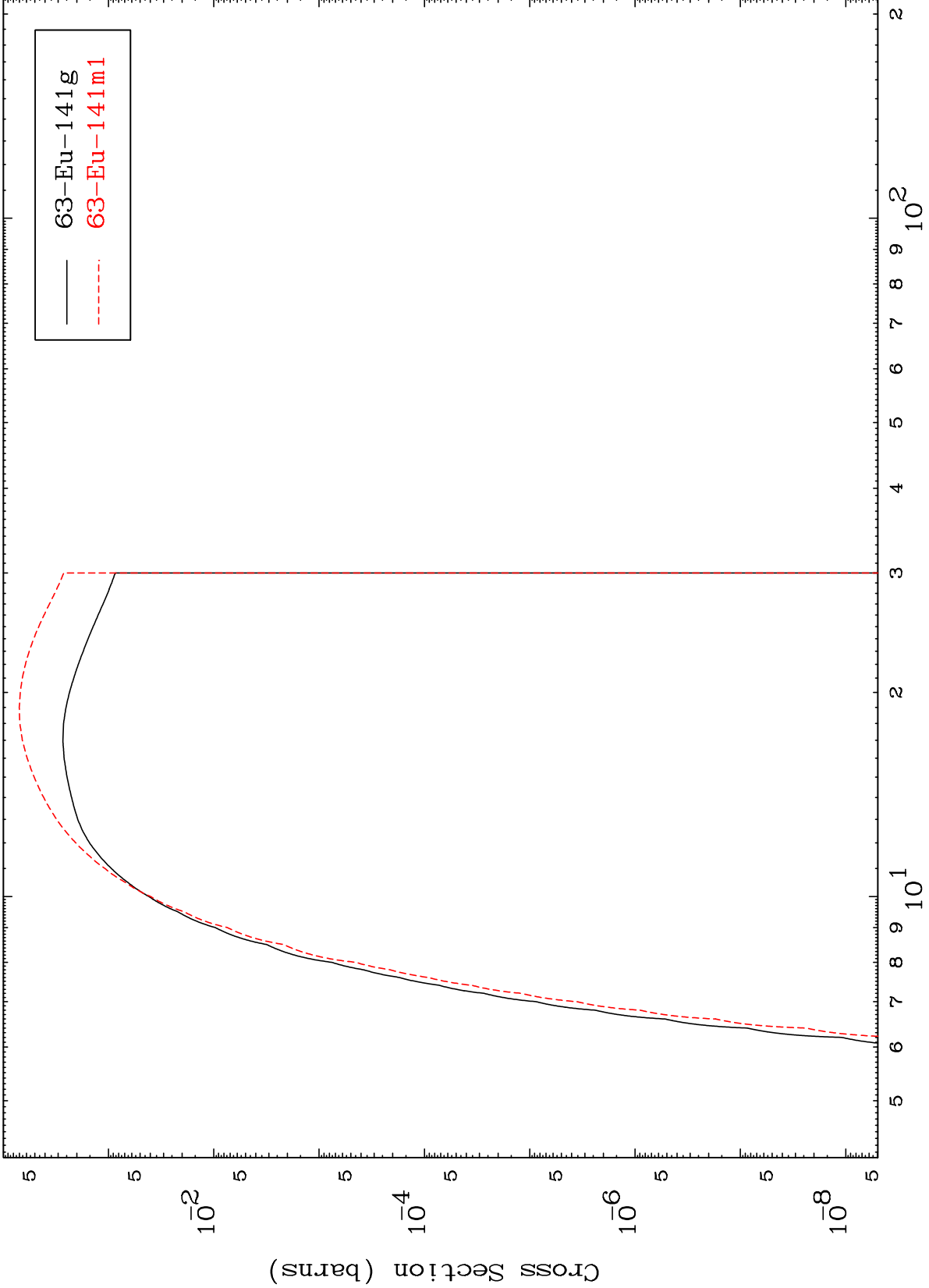
64-Gd-142

MAT 6395

(n,n') p

64-Gd-142

Radionuclide Production Cross Section



73

Incident Energy (MeV)

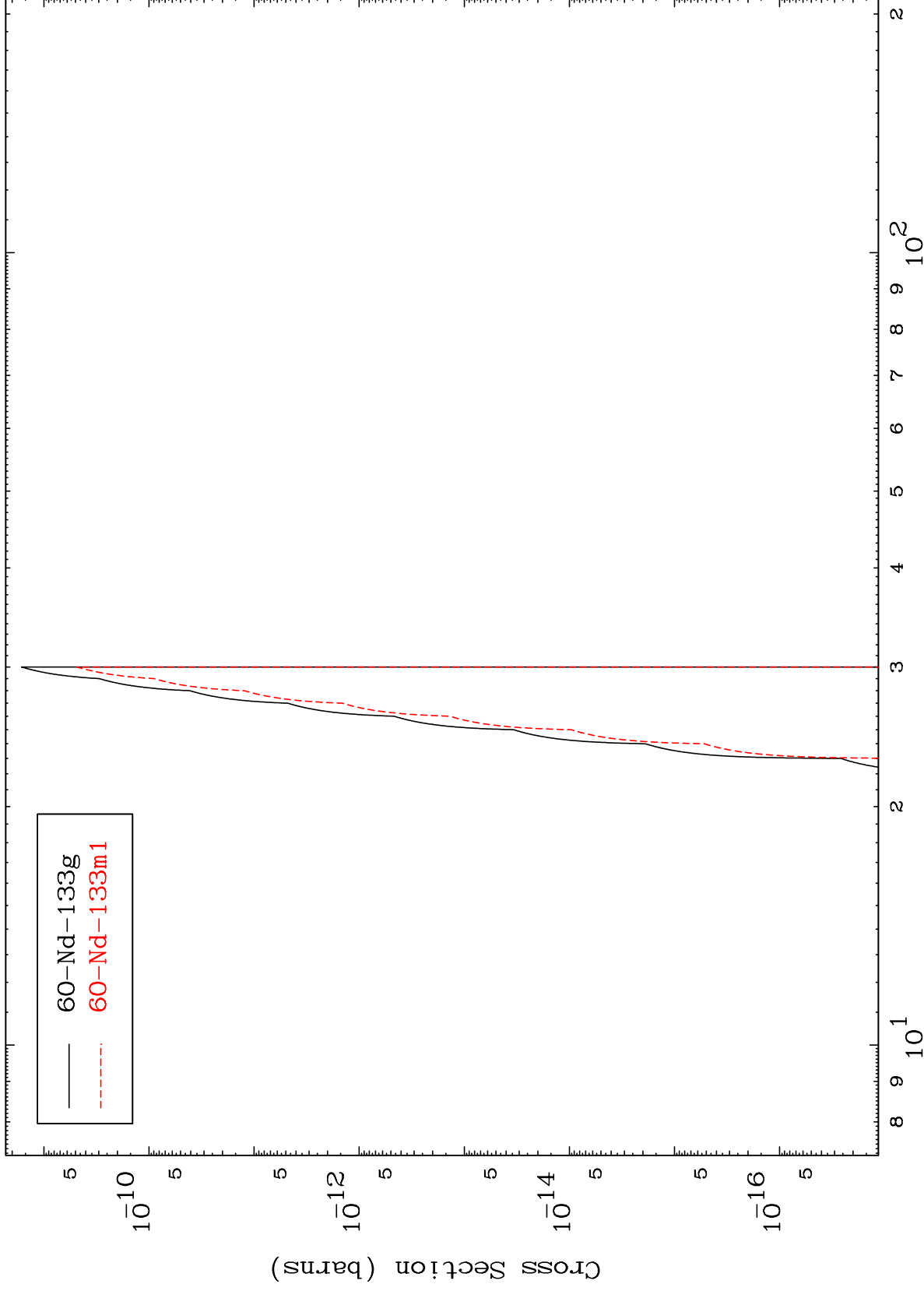
64-Gd-142

MAT 6395

(n,2n) 2α

64-Gd-142

Radionuclide Production Cross Section



74

Incident Energy (MeV)

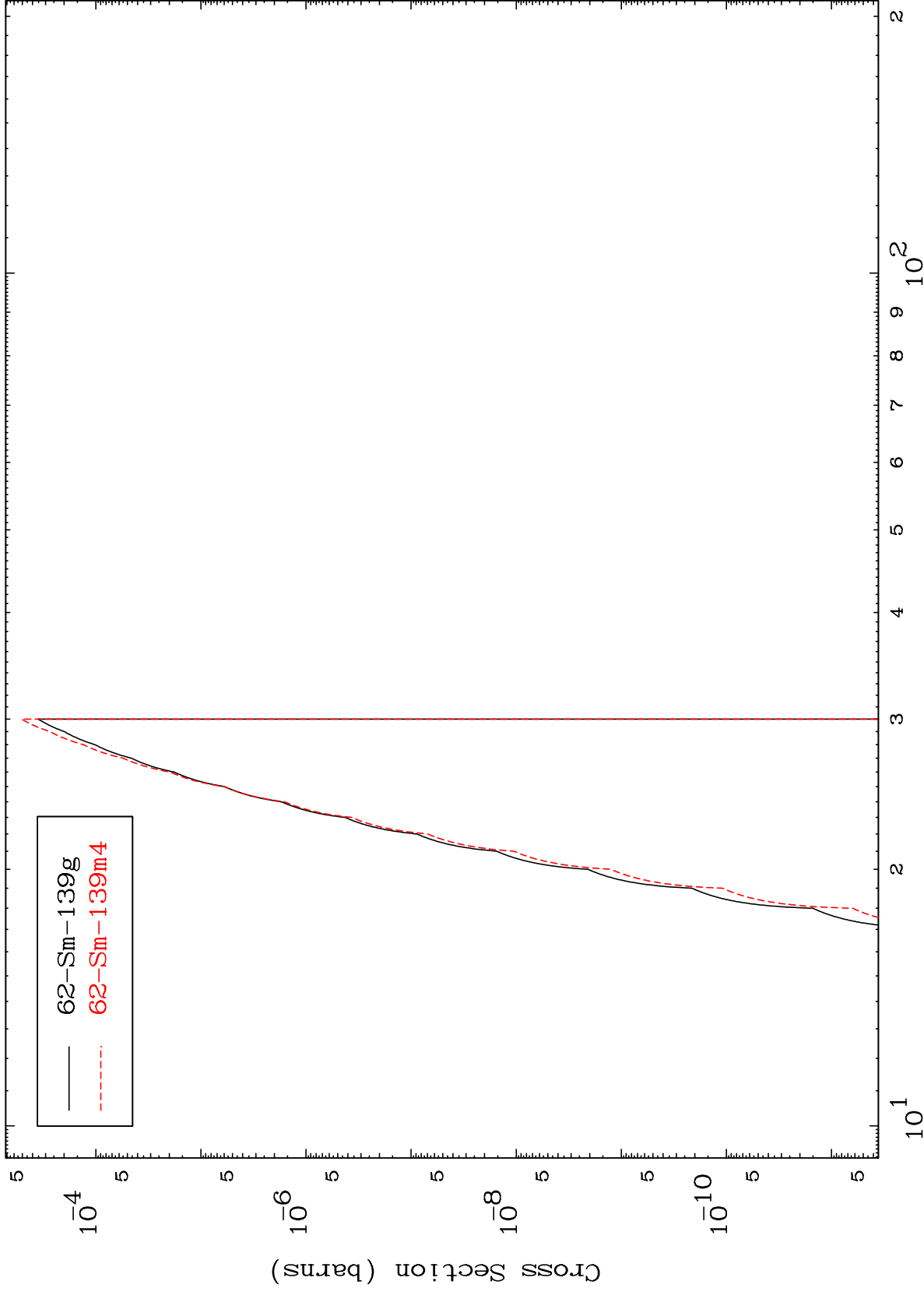
64-Gd-142

MAT 6395

(n,n') He-3

64-Gd-142

Radionuclide Production Cross Section



75

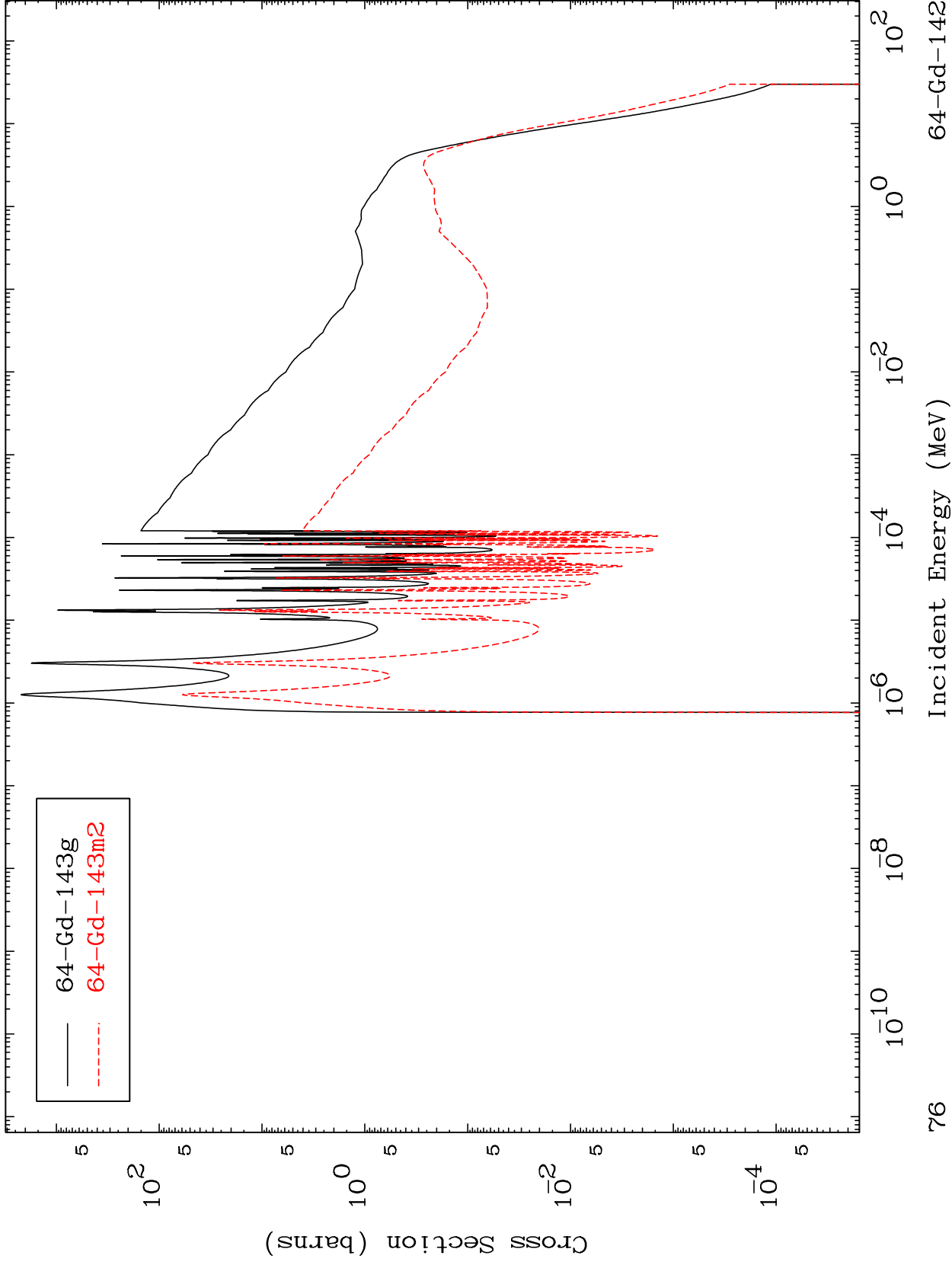
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

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

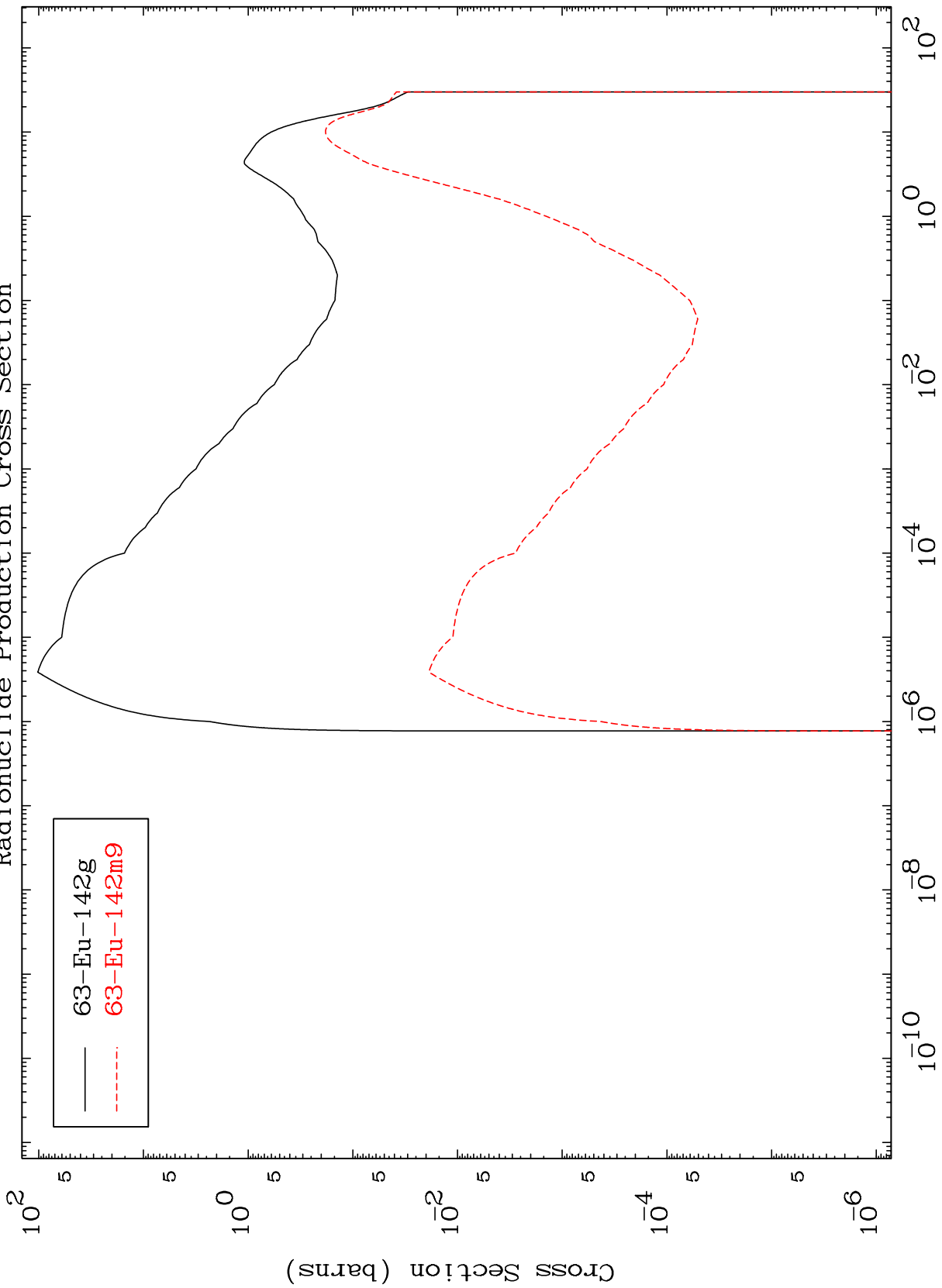


76

MAT 6395

64-Gd-142

(n,p)  
Radionuclide Production Cross Section



— 63-Eu-142g  
- - - 63-Eu-142m9

64-Gd-142

Incident Energy (MeV)

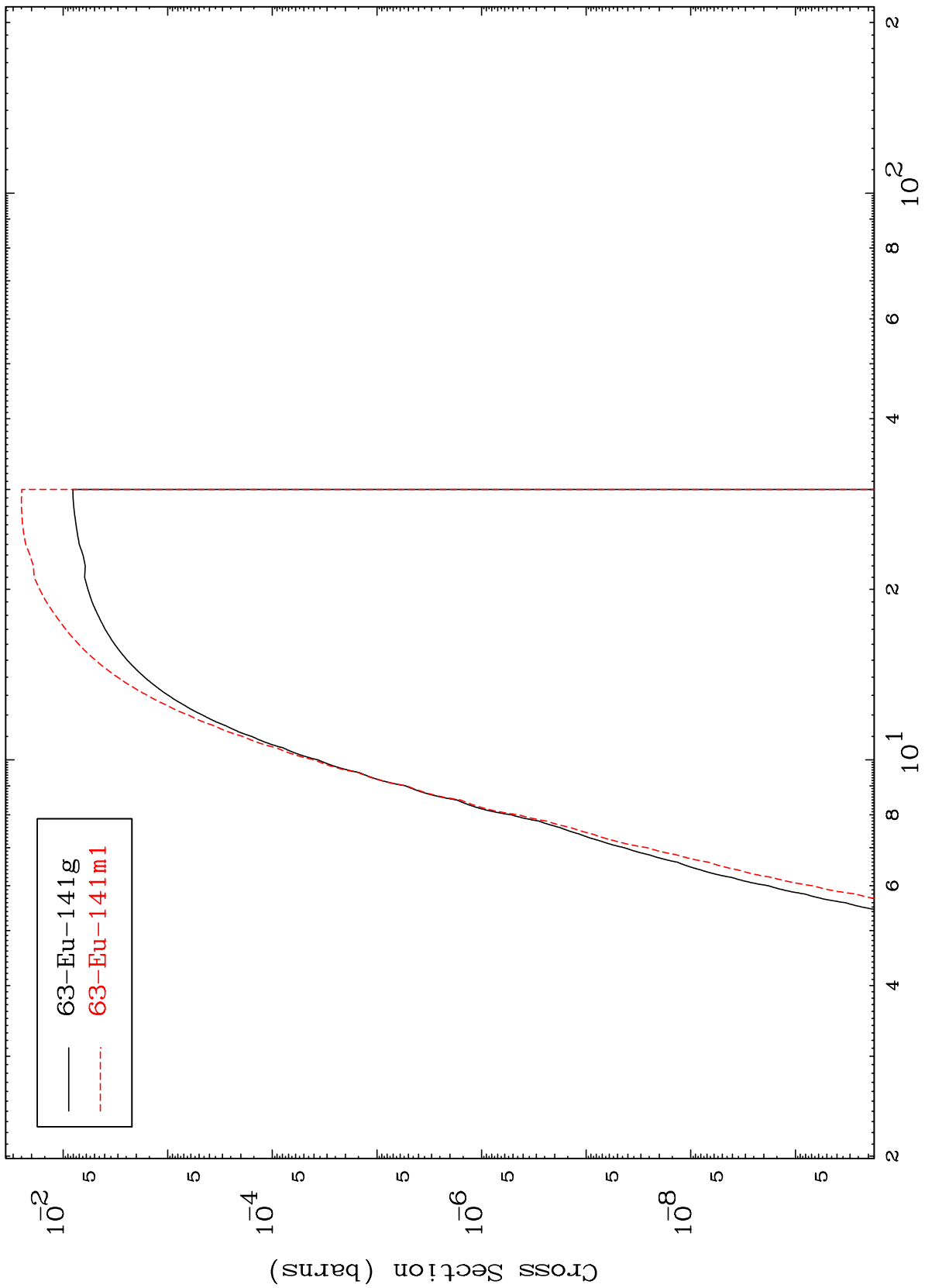
77

MAT 6395

(n,d)

64-Gd-142

Radionuclide Production Cross Section



— 63-Eu-141g  
- - - 63-Eu-141m1

78

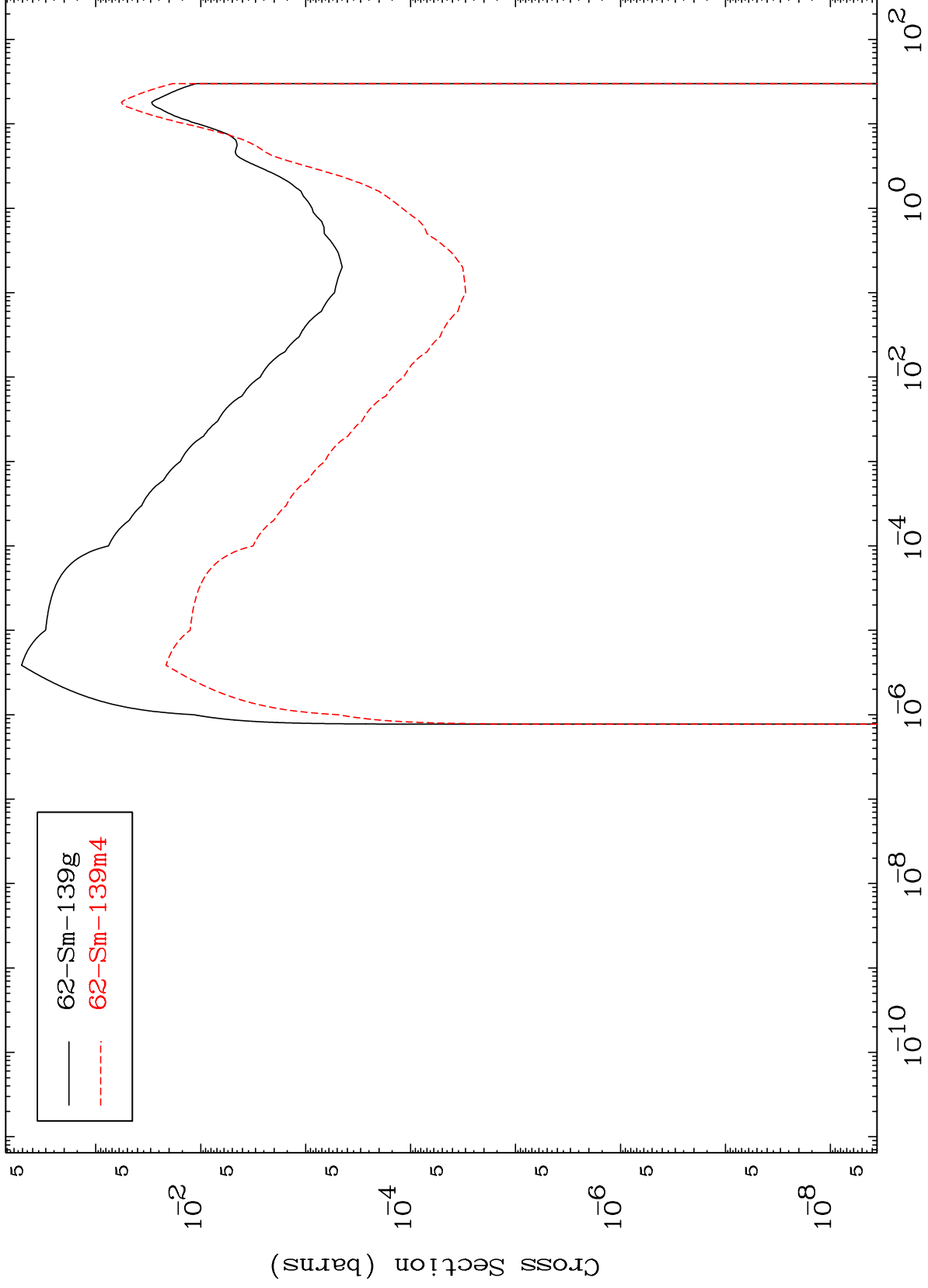
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

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



— 62-Sm-139g  
- - - 62-Sm-139m4

79

64-Gd-142

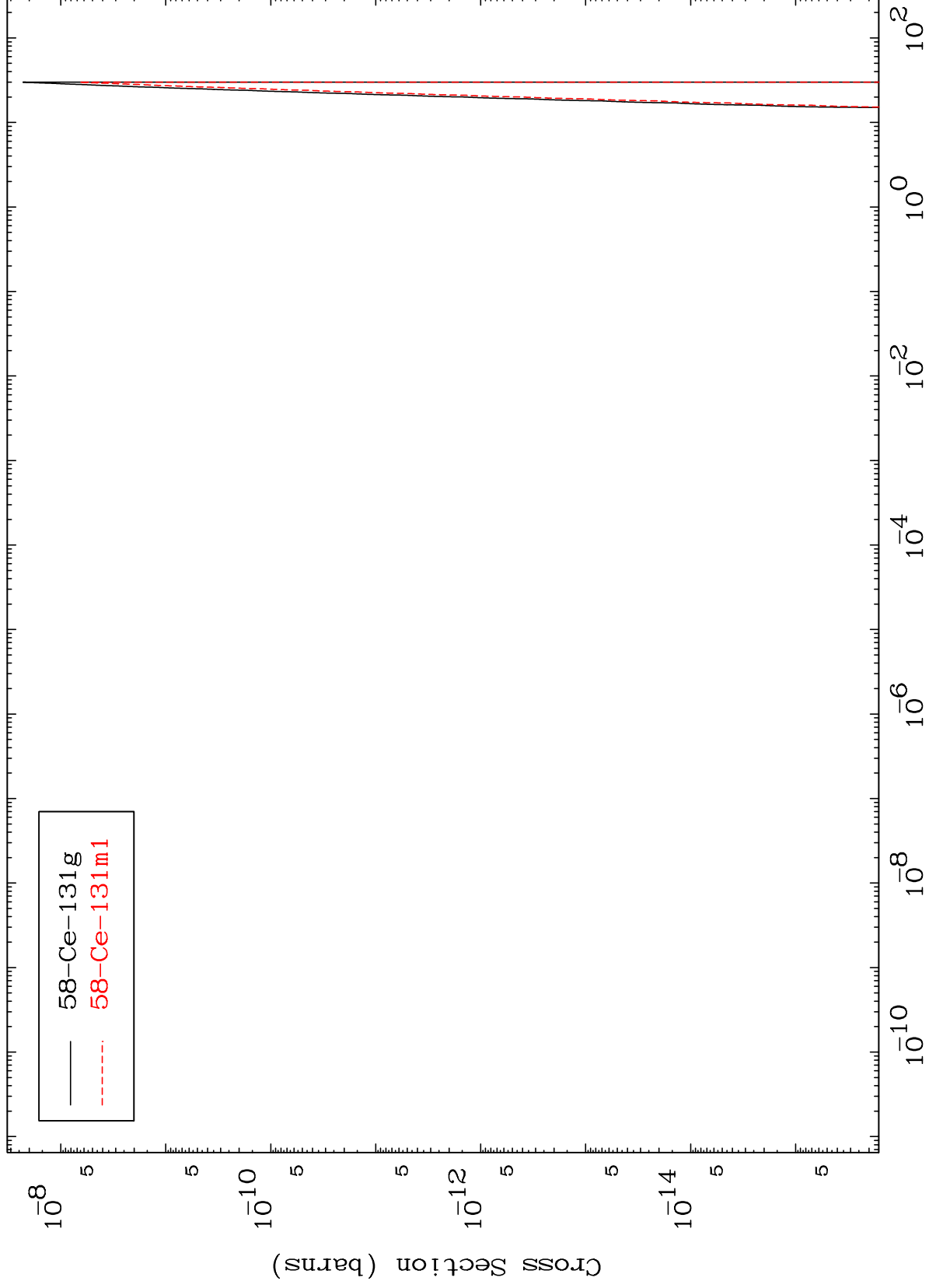


MAT 6395

(n, 3α)

64-Gd-142

Radionuclide Production Cross Section



80

Incident Energy (MeV)

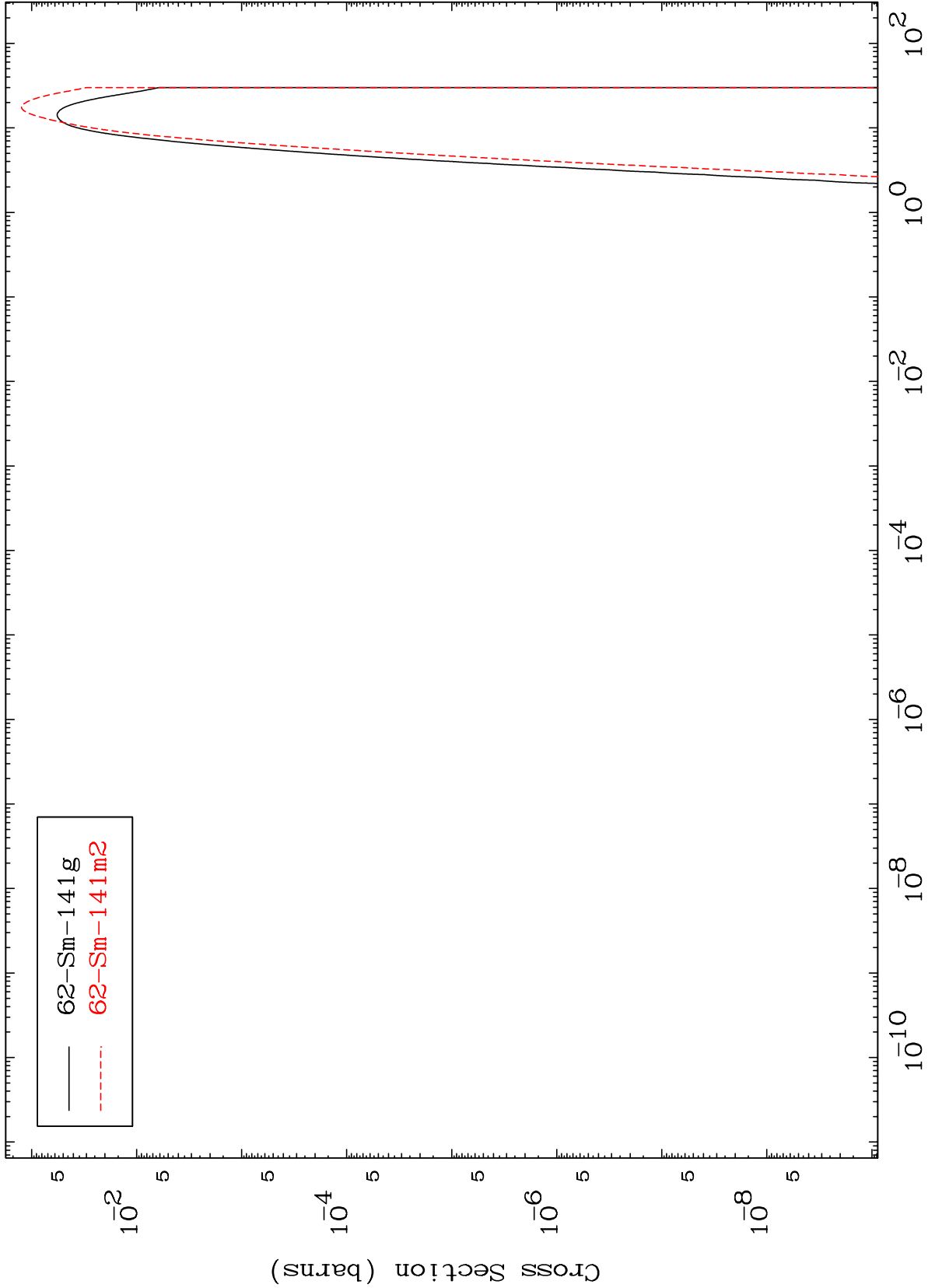
64-Gd-142

MAT 6395

(n,2p)

64-Gd-142

Radionuclide Production Cross Section



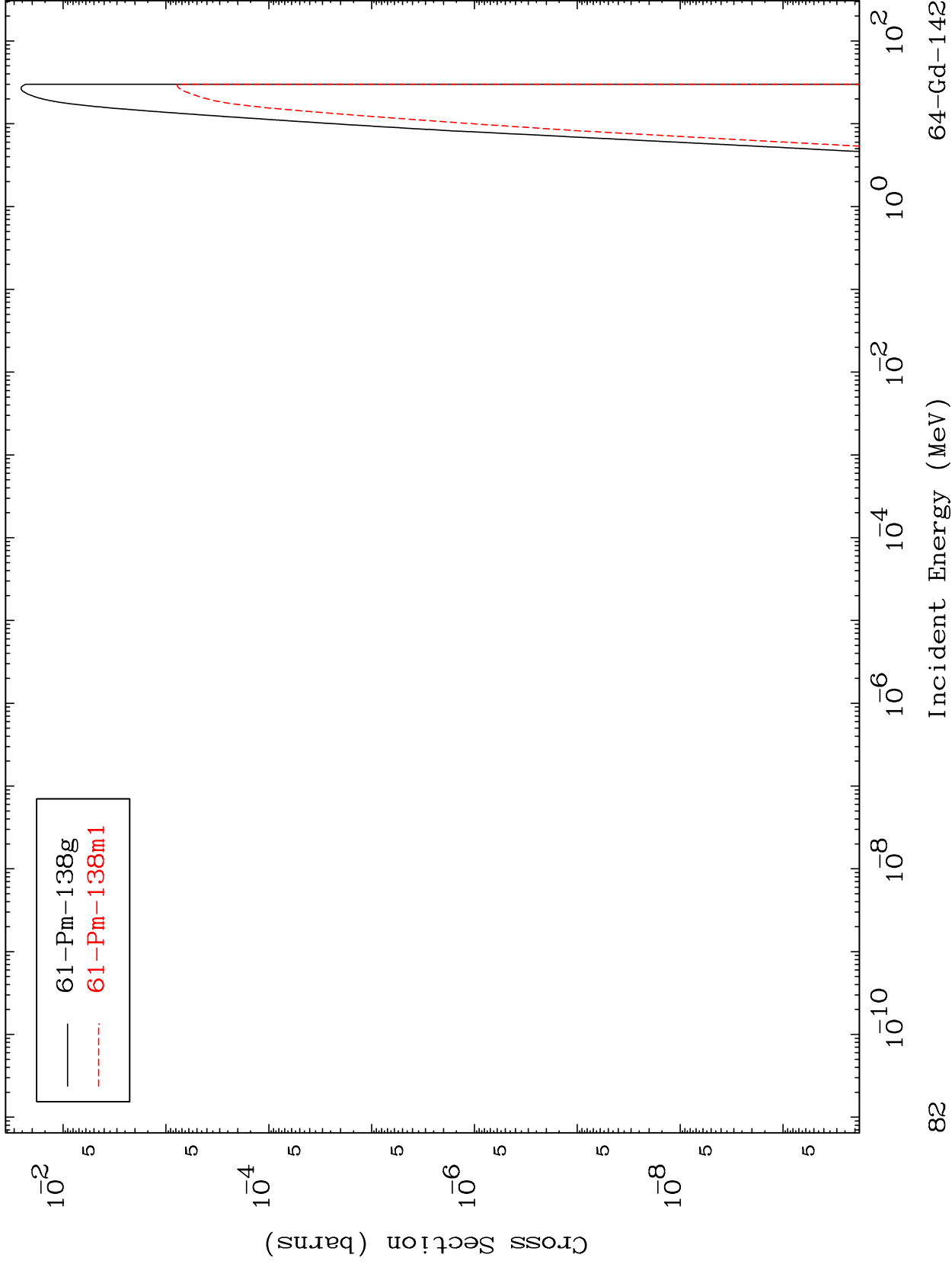
— 62-Sm-141g  
- - - 62-Sm-141m2

MAT 6395

(n,p)  $\alpha$

64-Gd-142

Radionuclide Production Cross Section



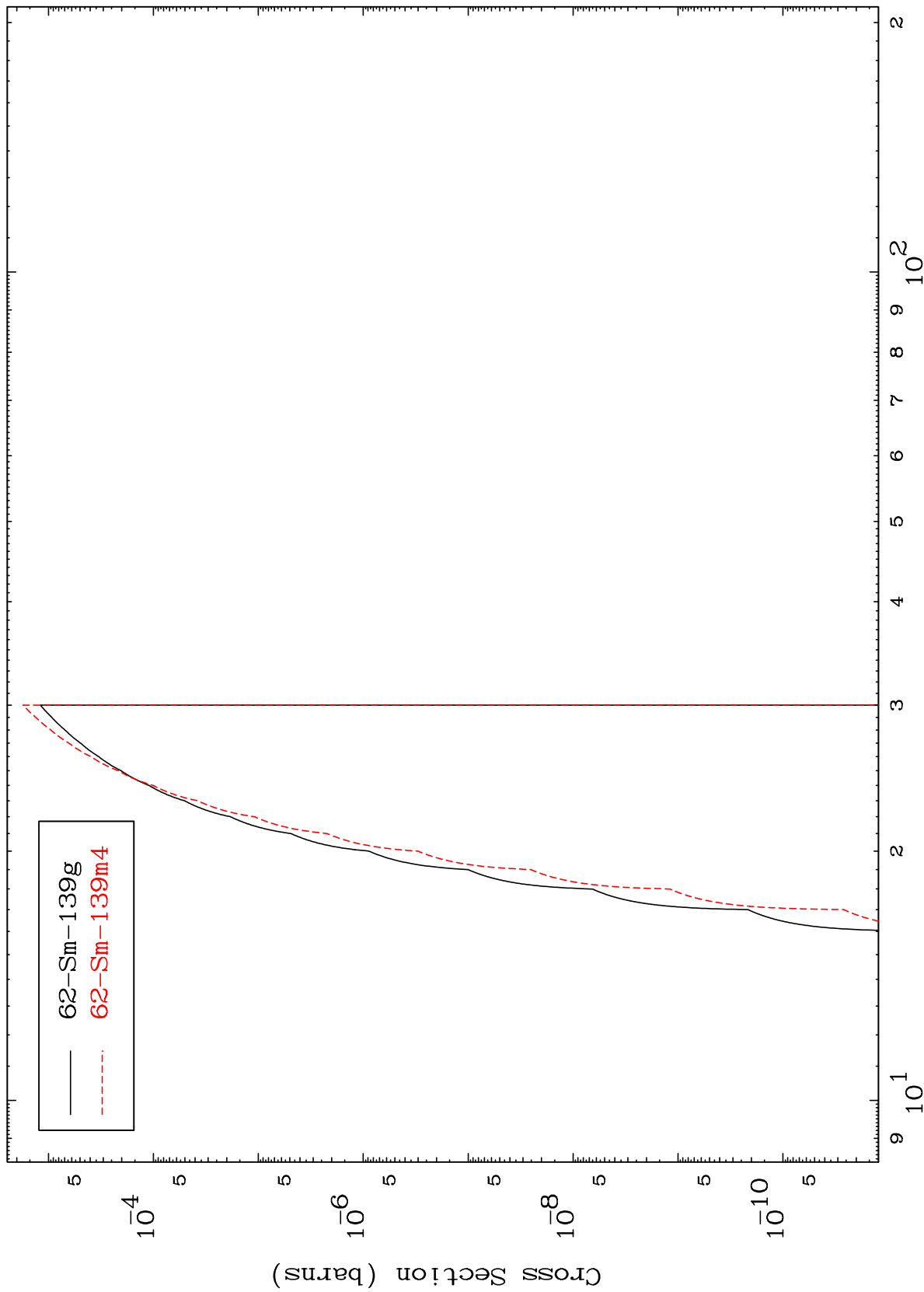
61-Pm-138g  
61-Pm-138m1

MAT 6395

(n,p) t

64-Gd-142

Radionuclide Production Cross Section



83

Incident Energy (MeV)

64-Gd-142