

Program EVALPLOT  
(Version 2018-1)

by

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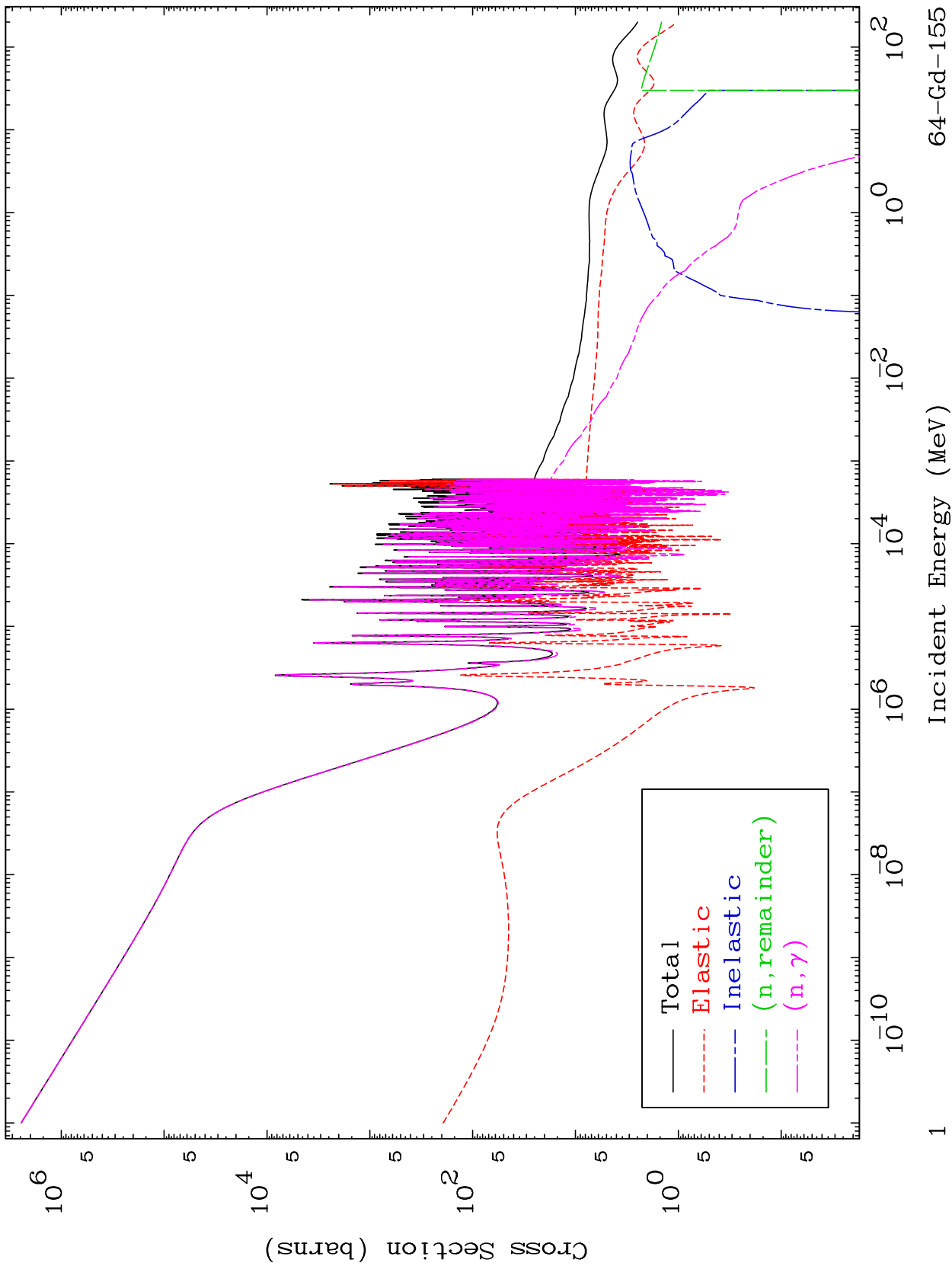
Press Mouse Button to Start

MAT 6434

Major

293 Kelvin Cross Sections

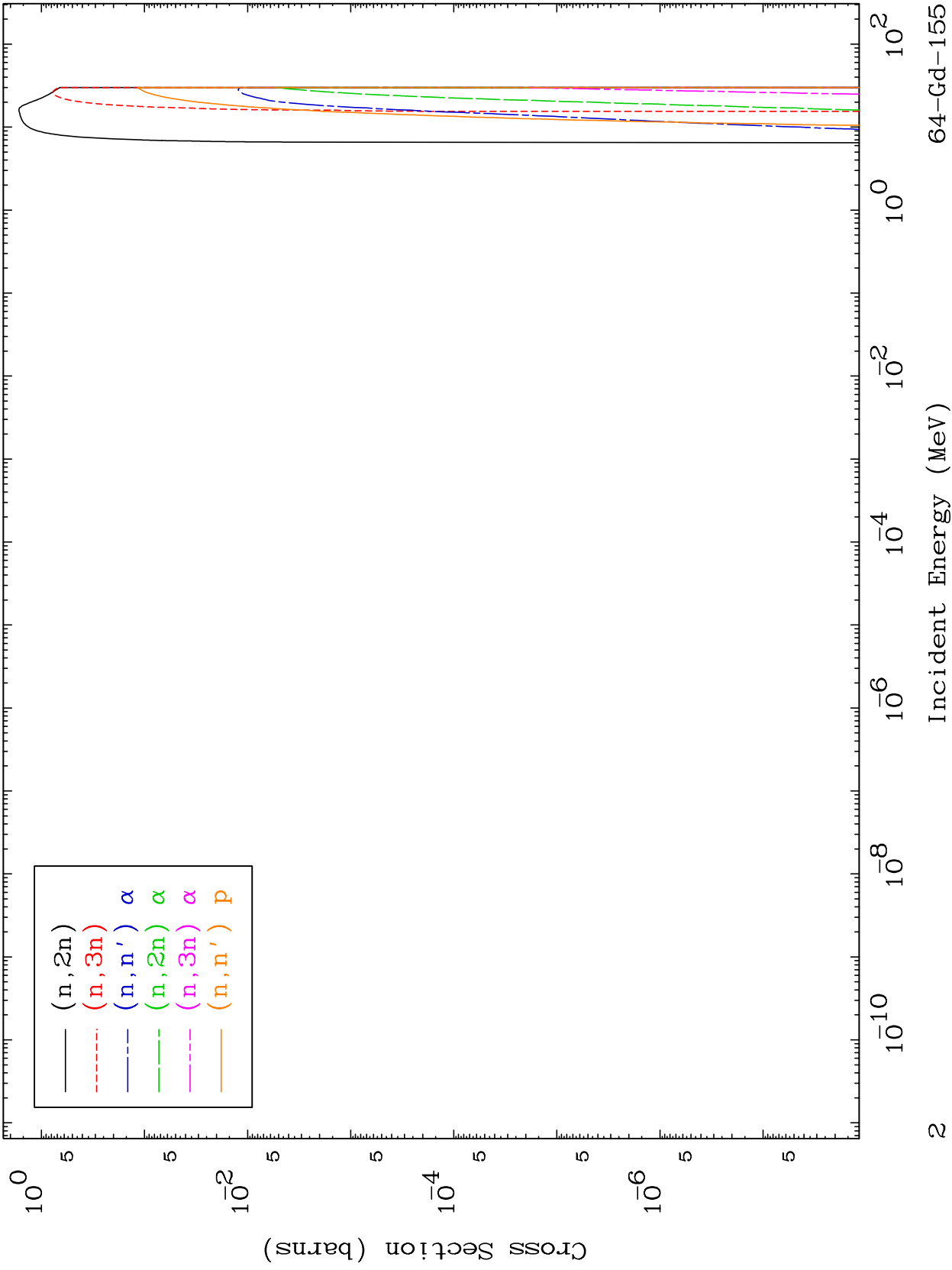
64-Gd-155

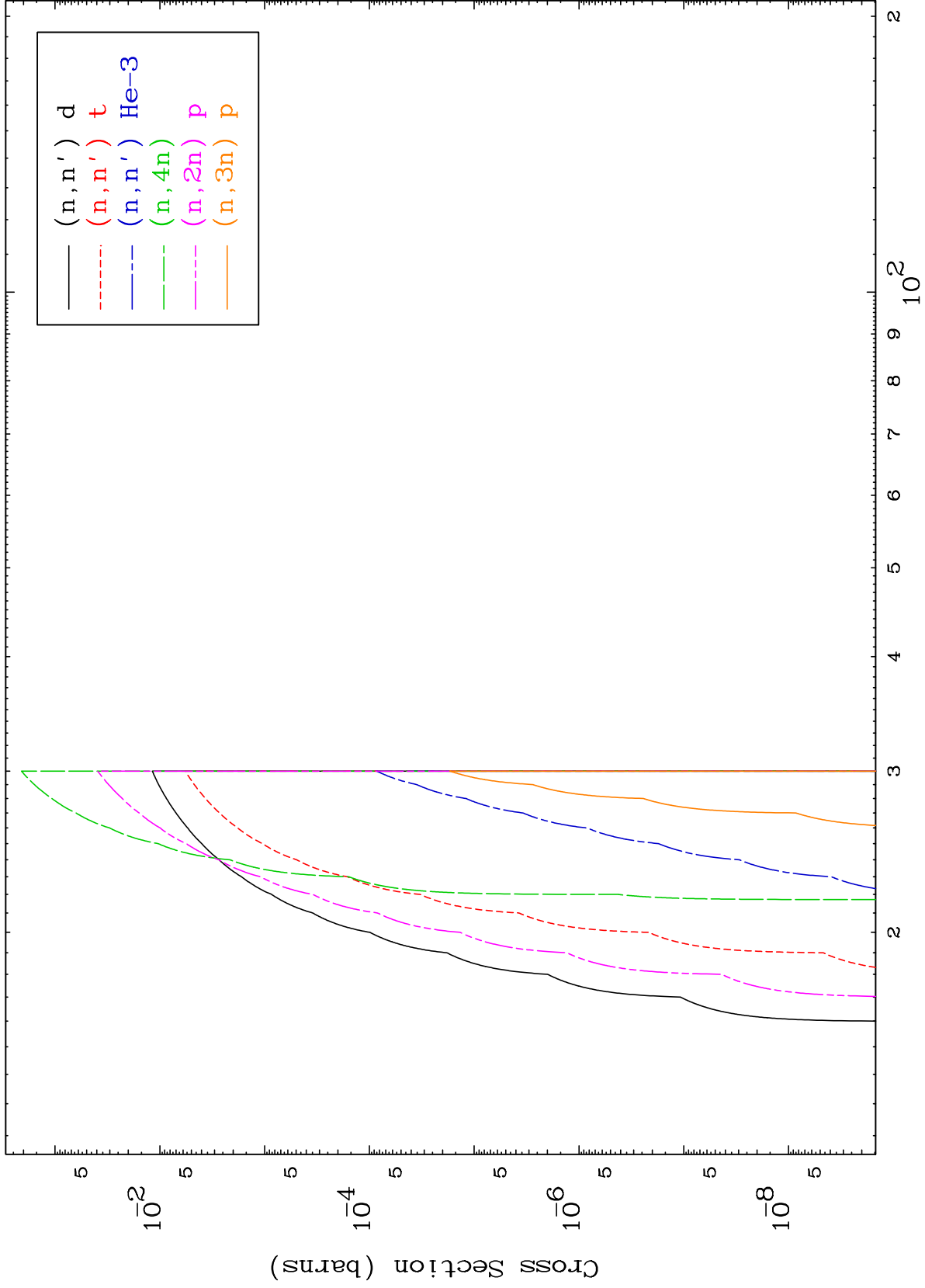


MAT 6434

Neutron Production  
293 Kelvin Cross Sections

64-Gd-155

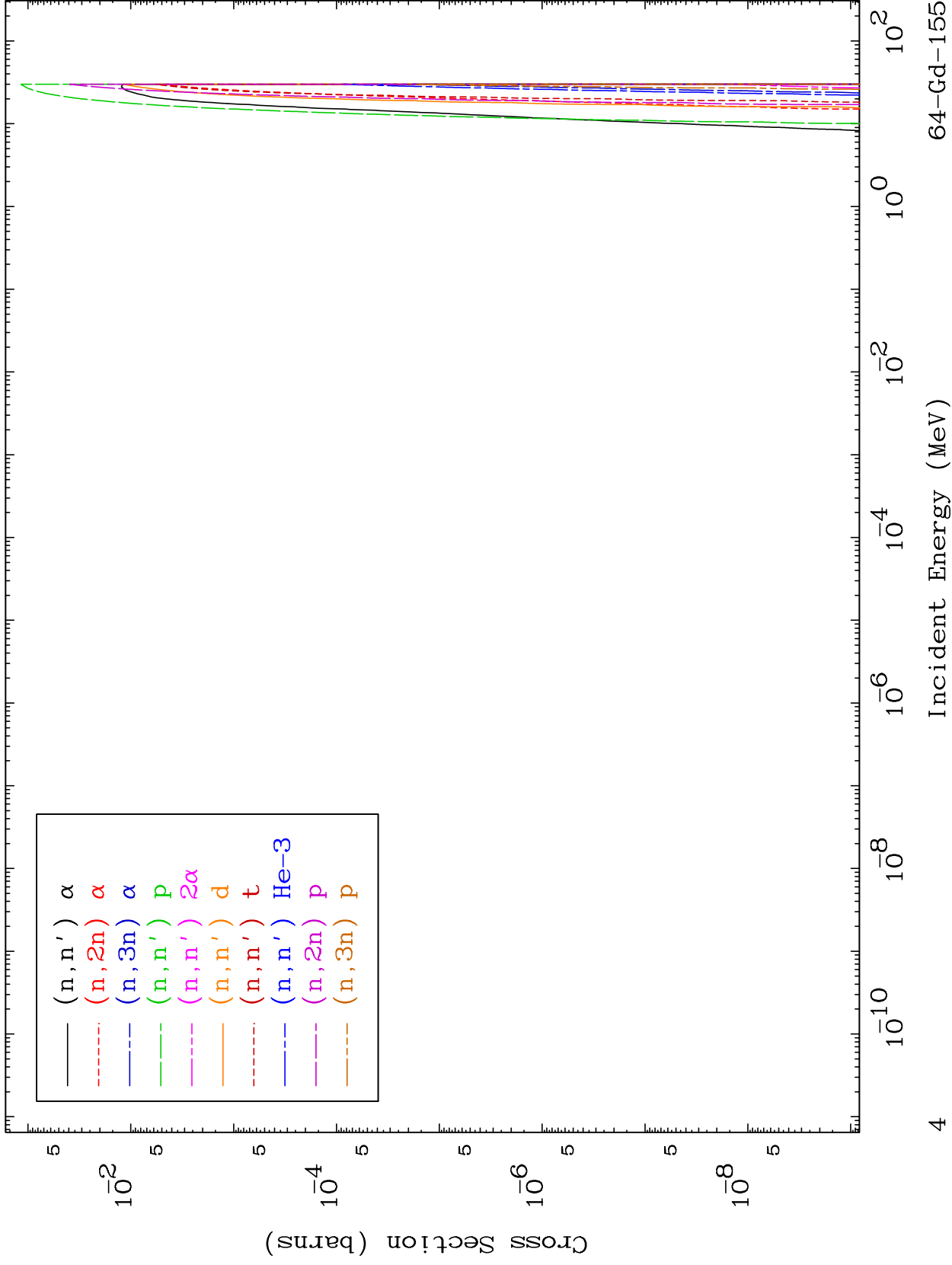




MAT 6434

Charged Particle  
293 Kelvin Cross Sections

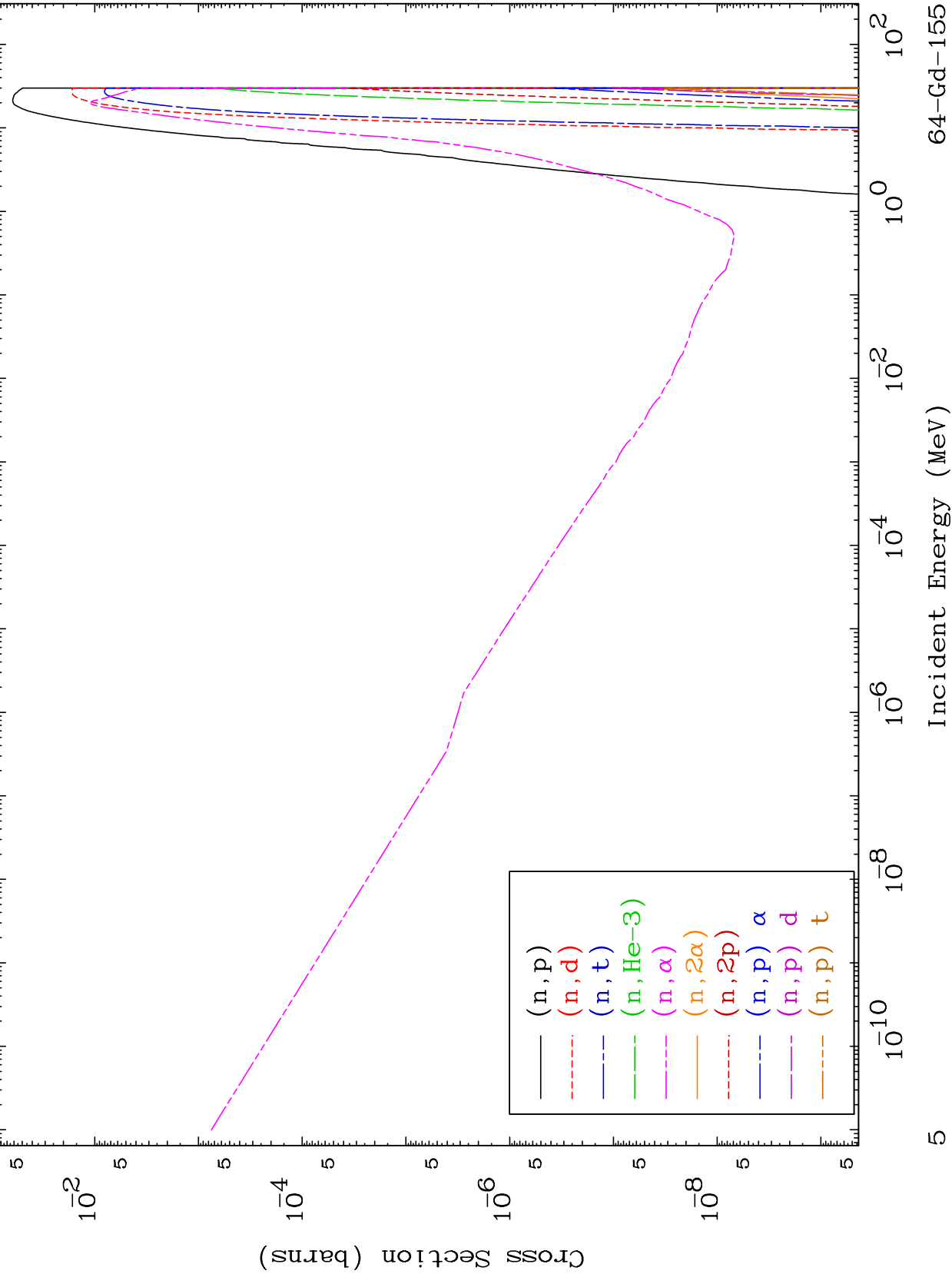
64-Gd-155



MAT 6434

Charged Particle  
293 Kelvin Cross Sections

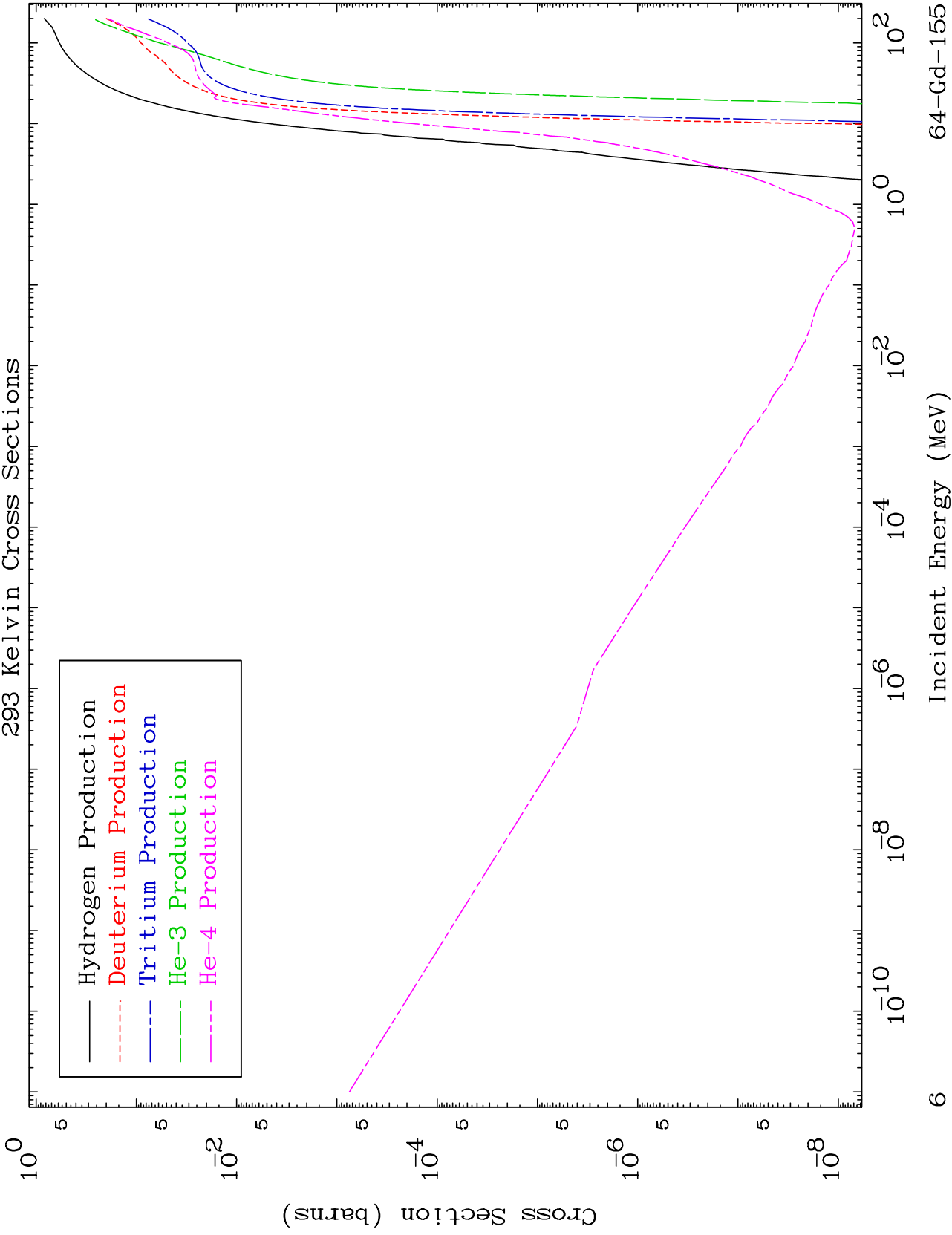
64-Gd-155



MAT 6434

Particle Production  
293 Kelvin Cross Sections

64-Gd-155

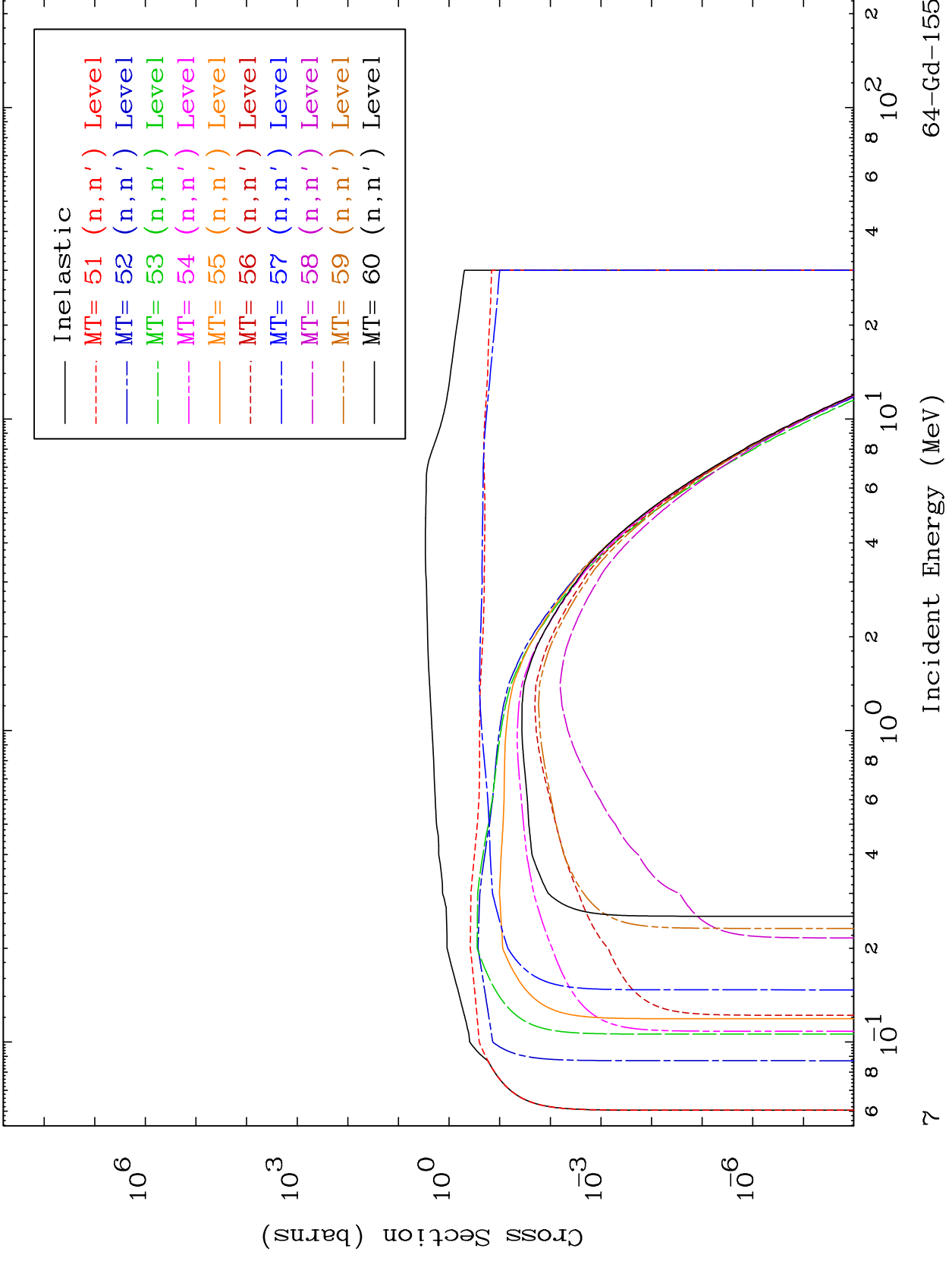


MAT 6434

(n,n') Level

64-Gd-155

293 Kelvin Cross Sections



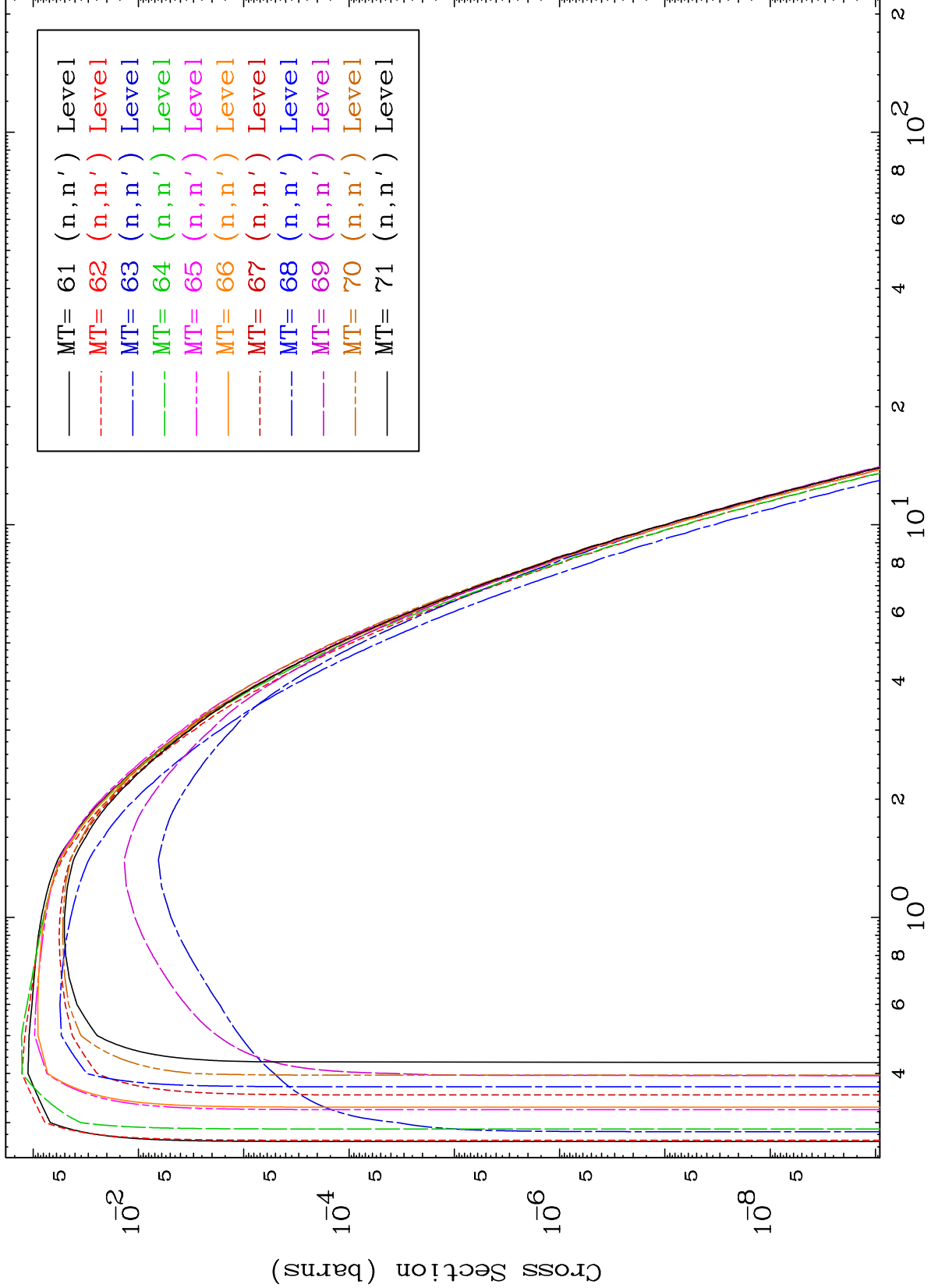


MAT 6434

(n,n') Level

64-Gd-155

293 Kelvin Cross Sections



Incident Energy (MeV)

64-Gd-155

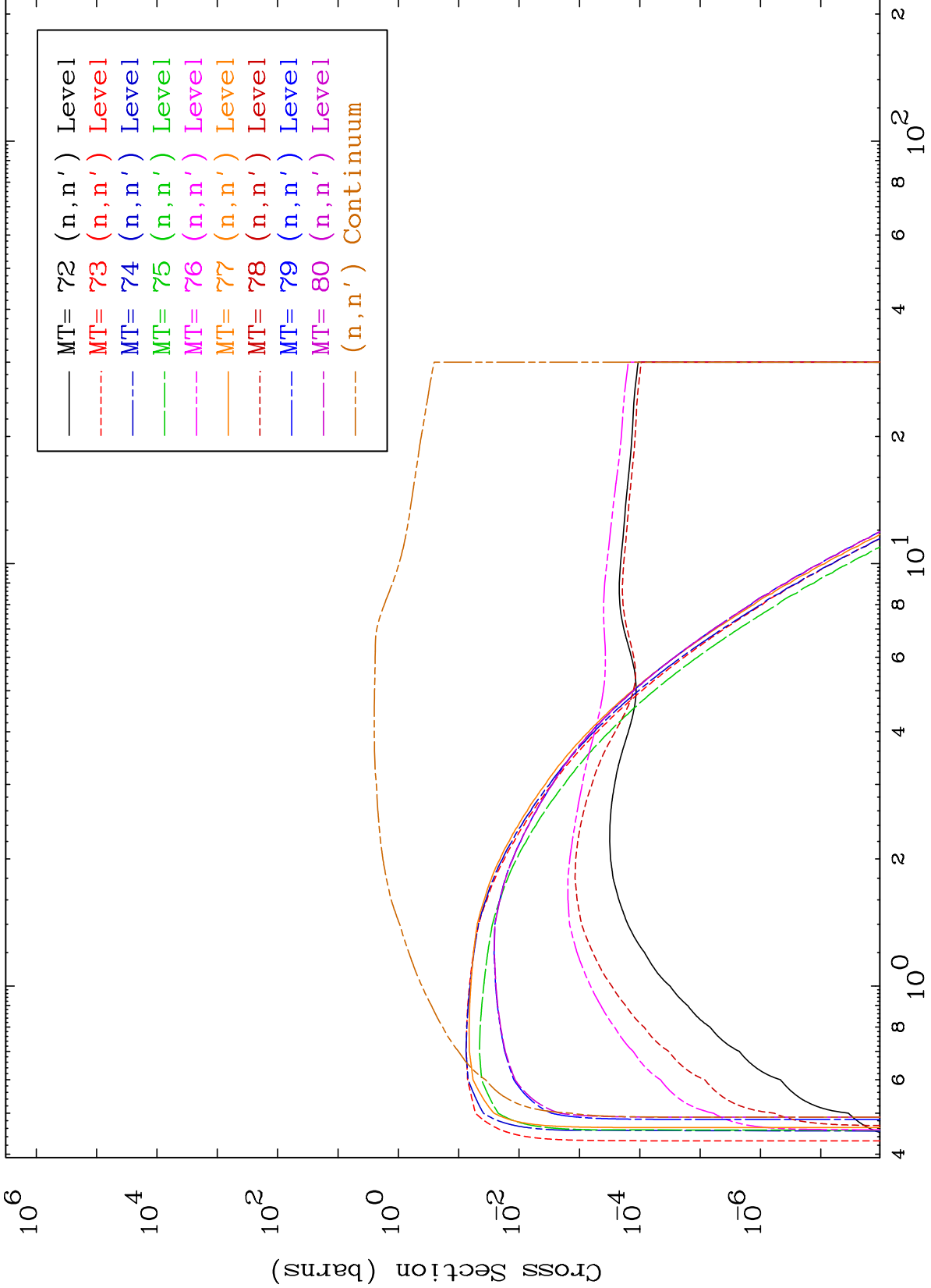
8

MAT 6434

(n,n') Level

64-Gd-155

293 Kelvin Cross Sections



9

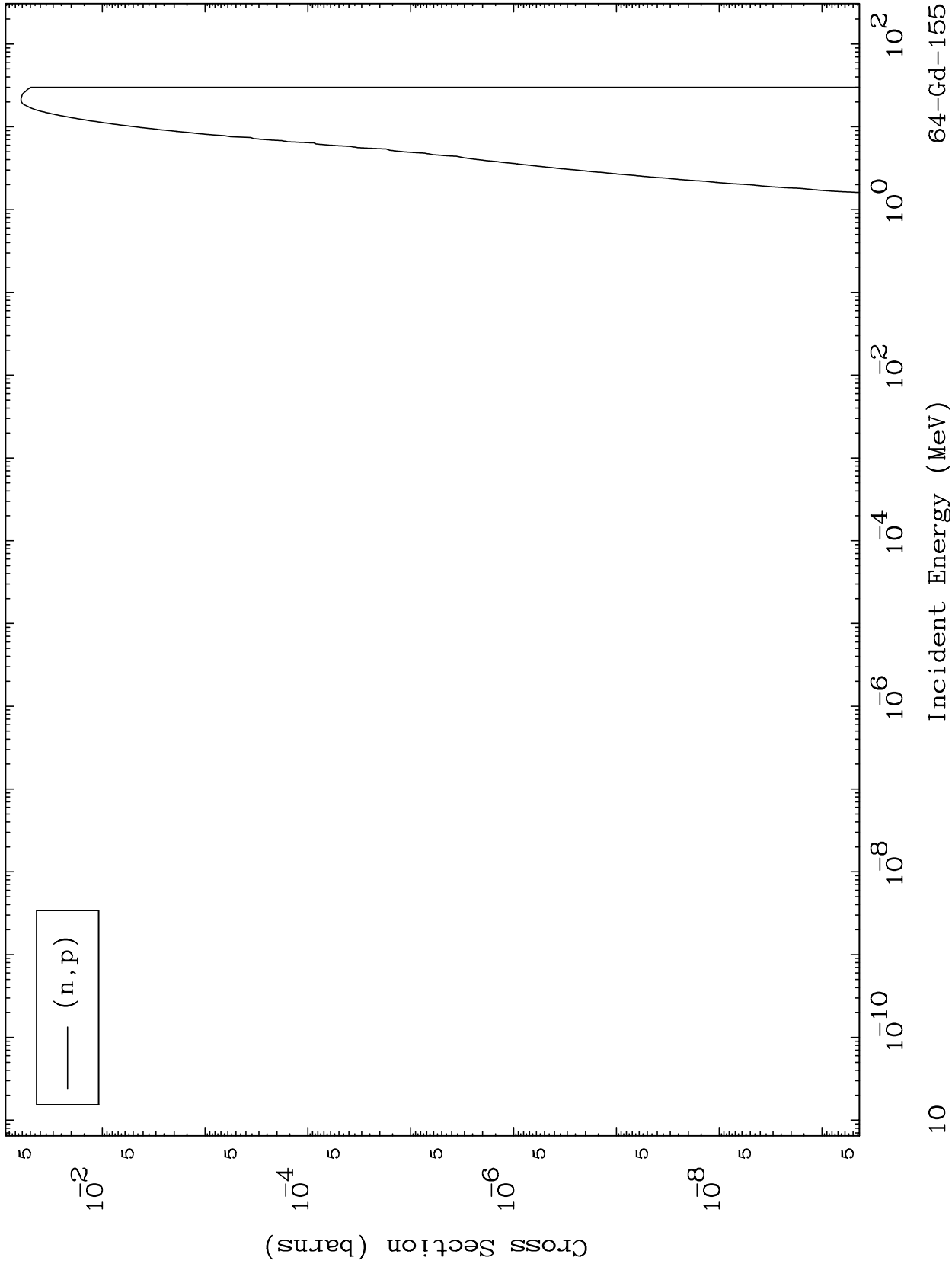
Incident Energy (MeV)

64-Gd-155

MAT 6434

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-155



10

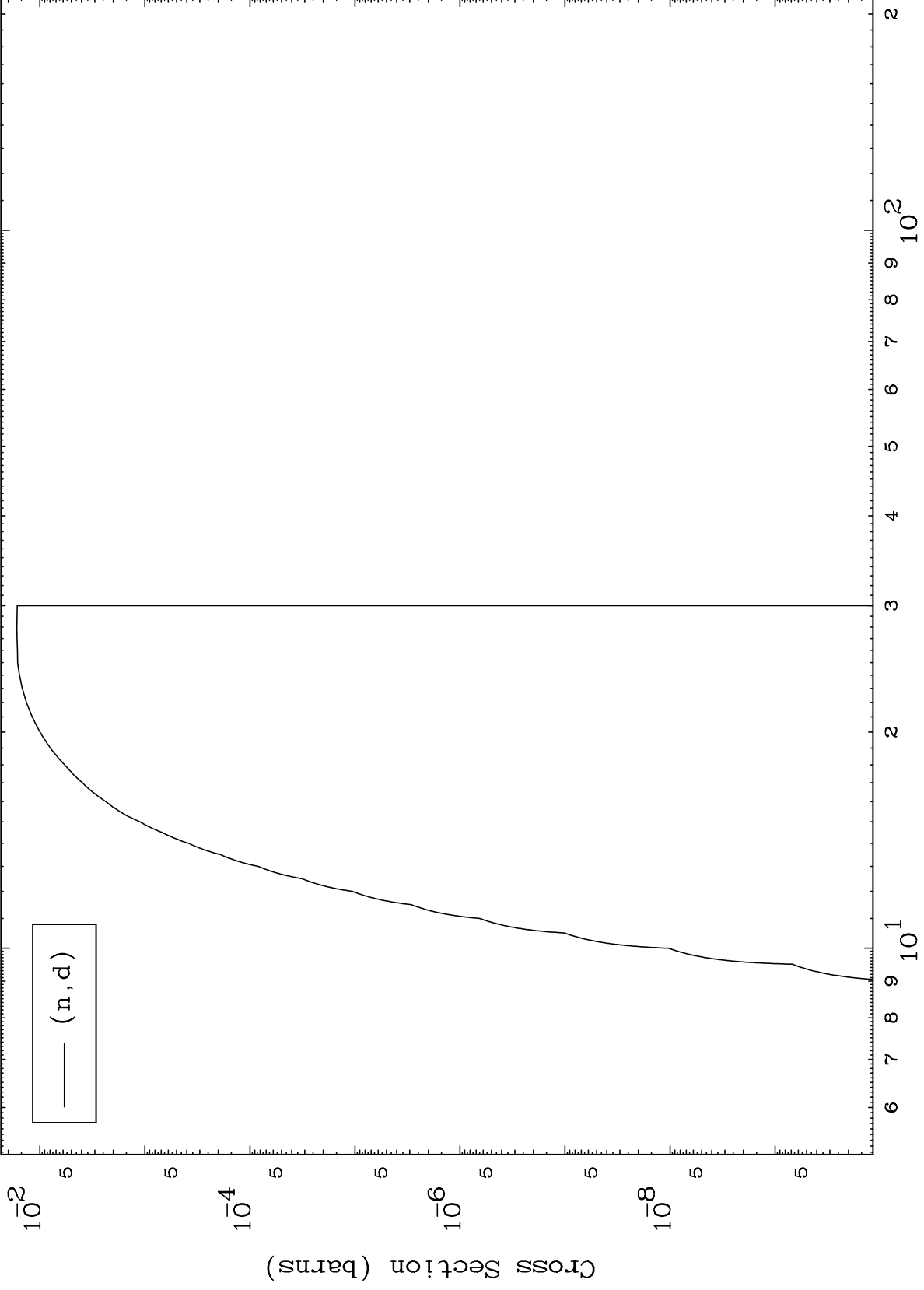
Incident Energy (MeV)

64-Gd-155

MAT 6434

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-155



64-Gd-155

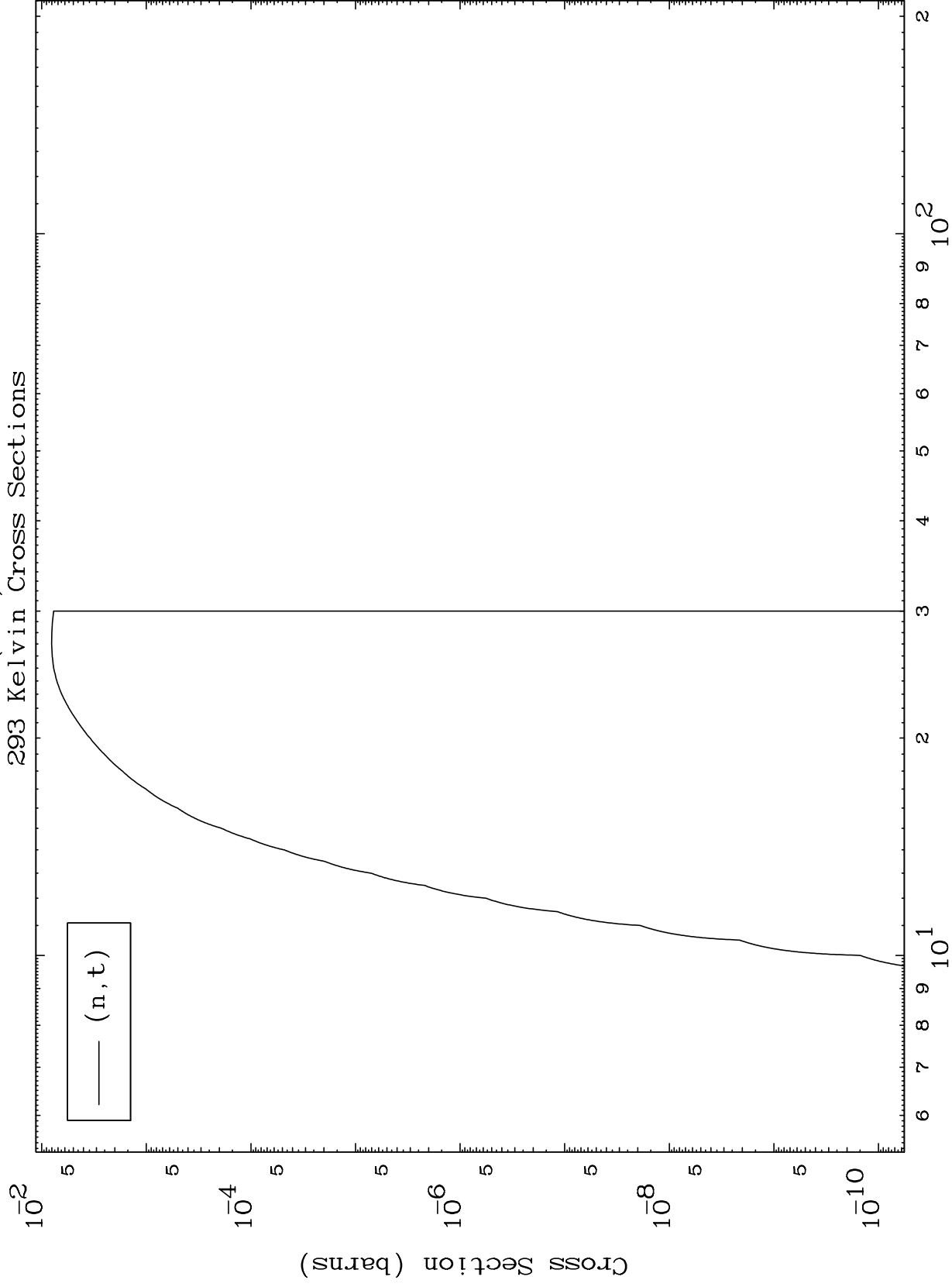
Incident Energy (MeV)

11

MAT 6434

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-155



12

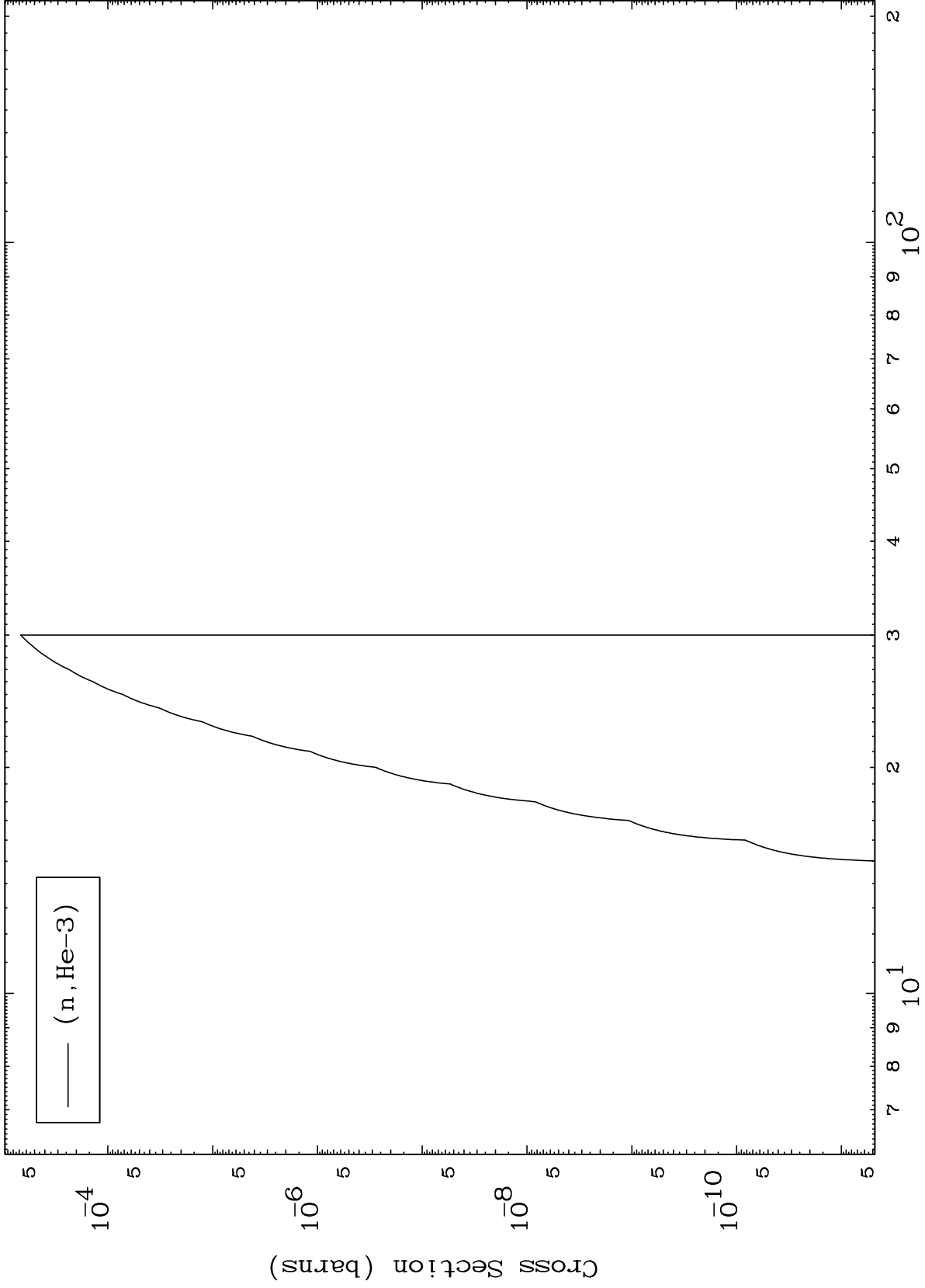
Incident Energy (MeV)

64-Gd-155

MAT 6434

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-155



13

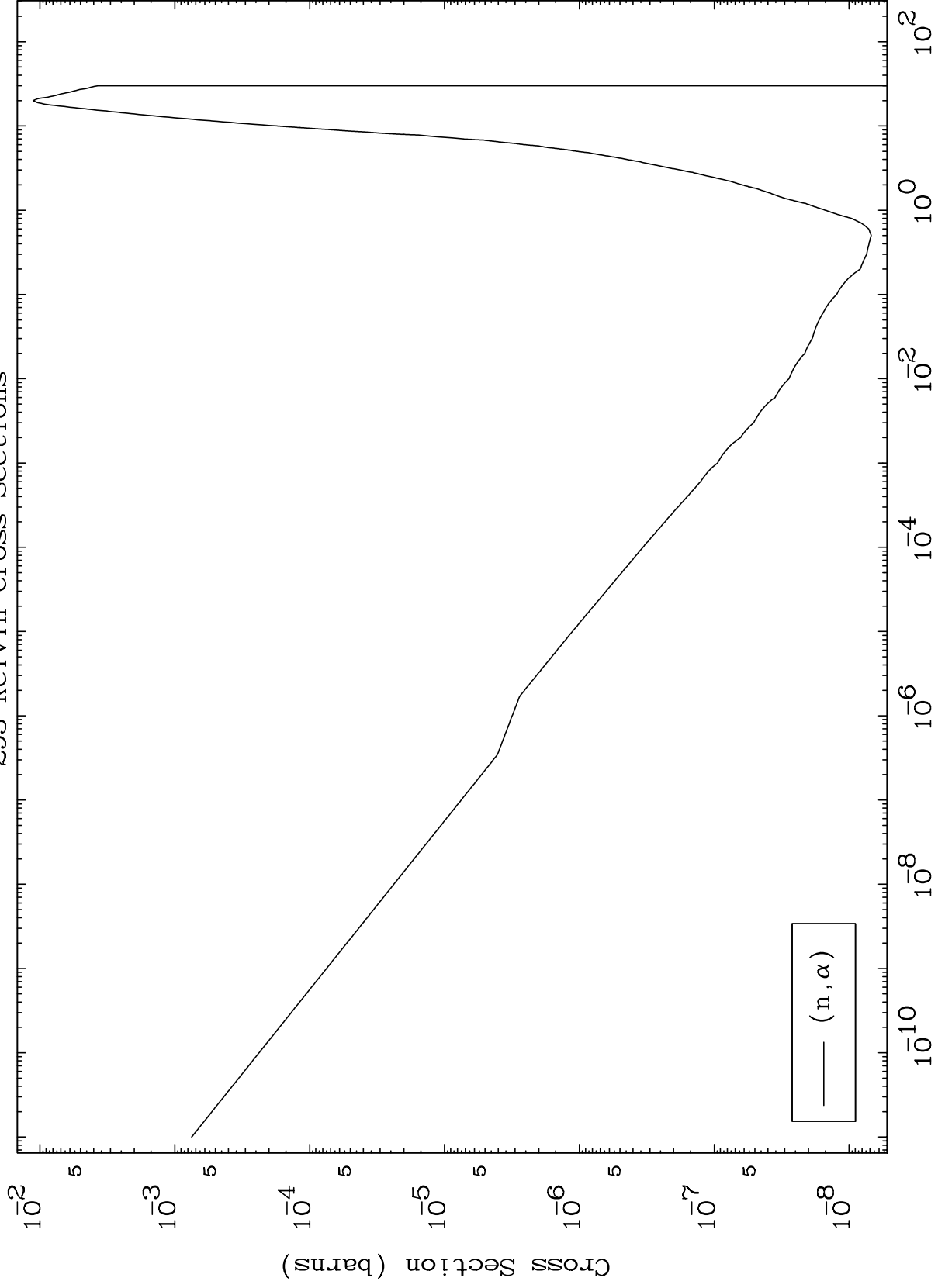
Incident Energy (MeV)

64-Gd-155

MAT 6434

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

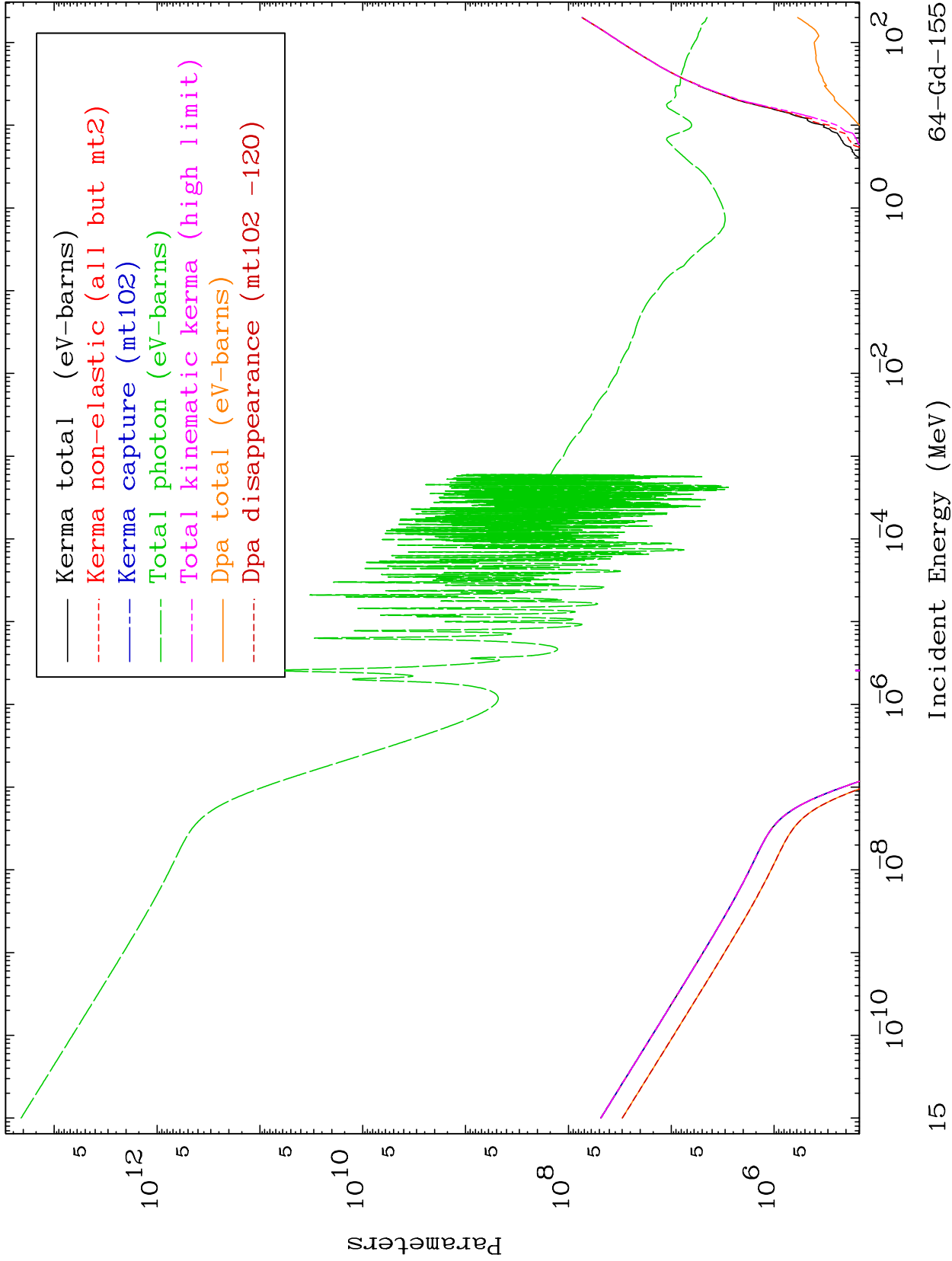
64-Gd-155



14

Incident Energy (MeV)

64-Gd-155

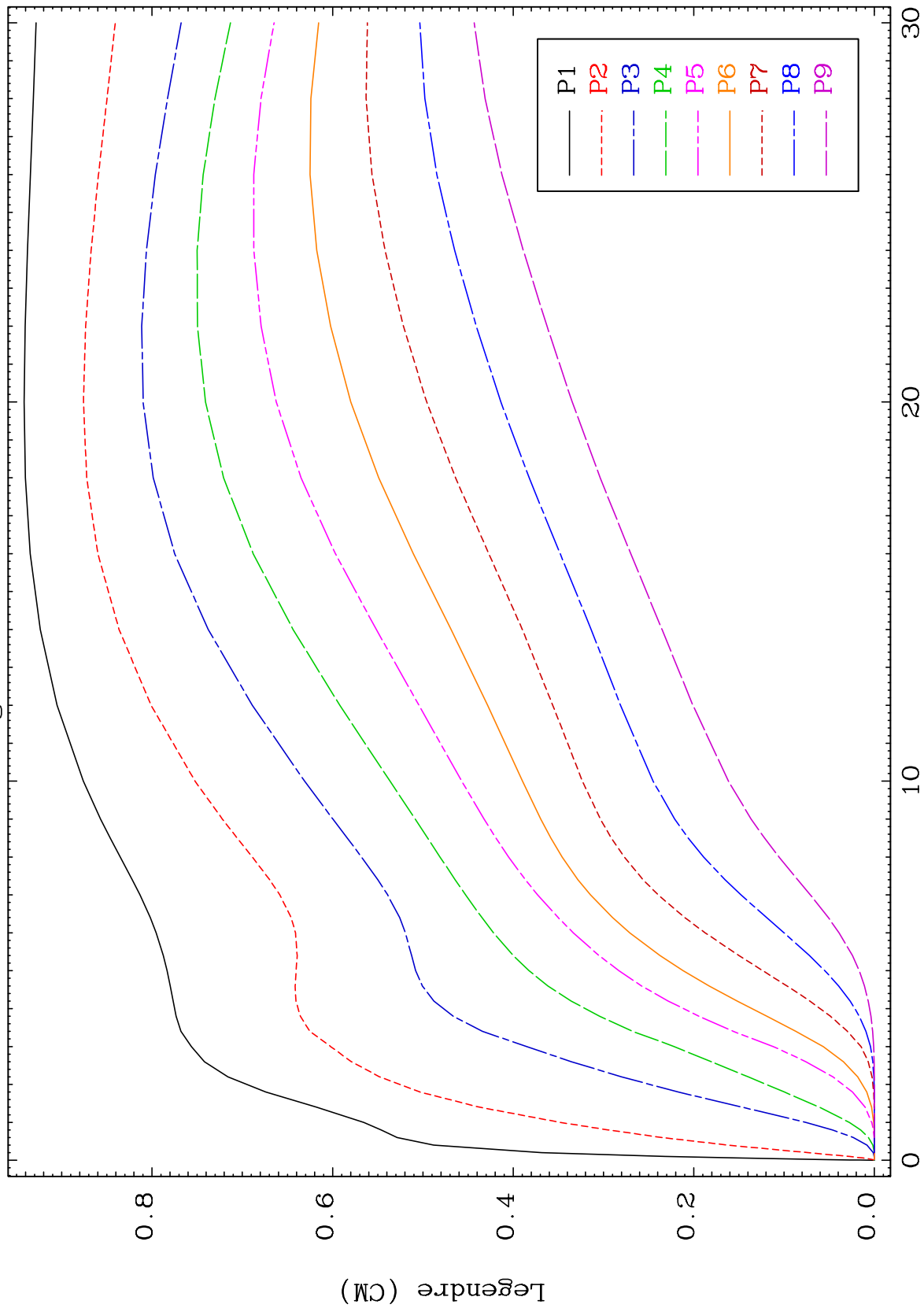




MAT 6434

Elastic Legendre Coefficients

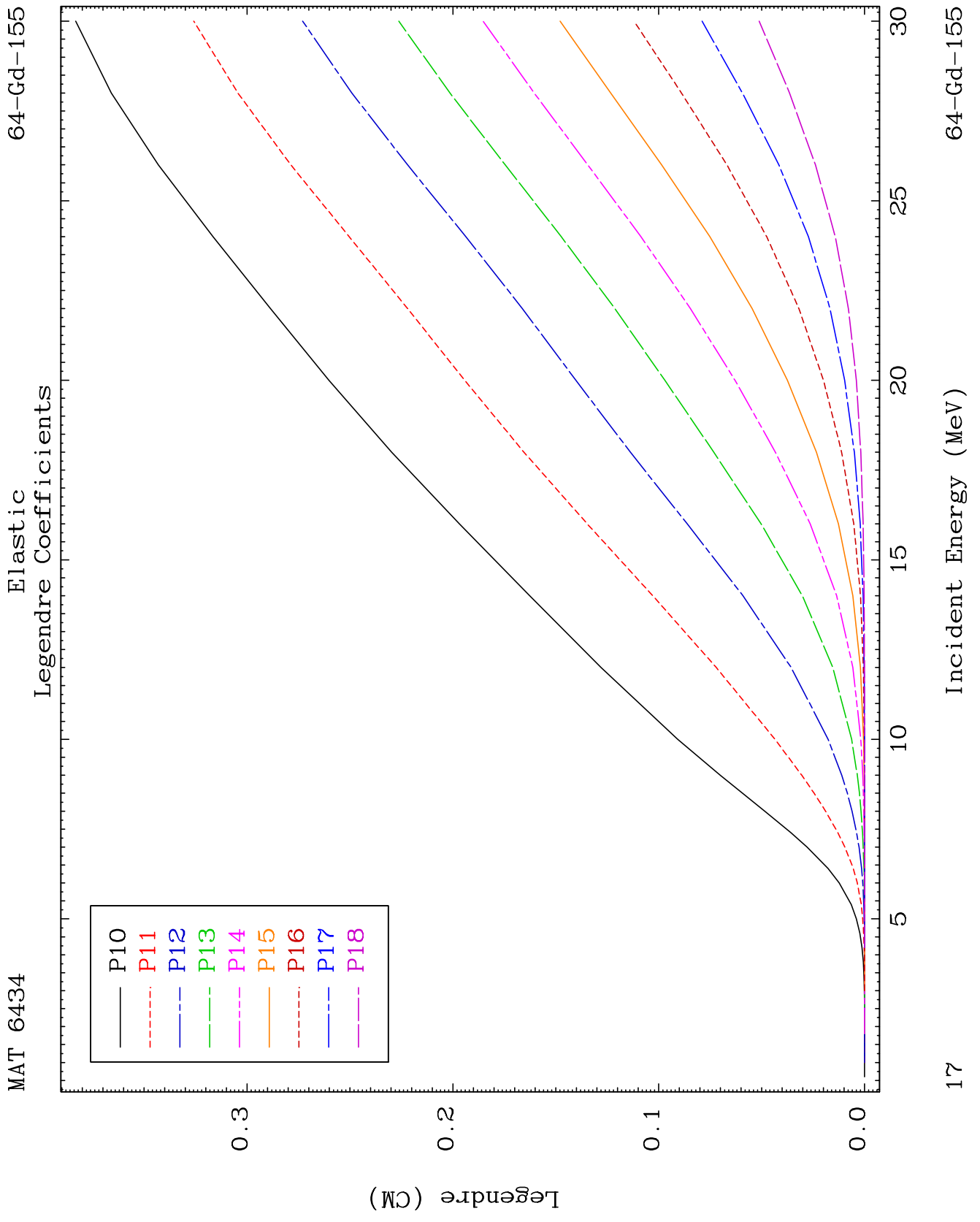
64-Gd-155



16

Incident Energy (MeV)

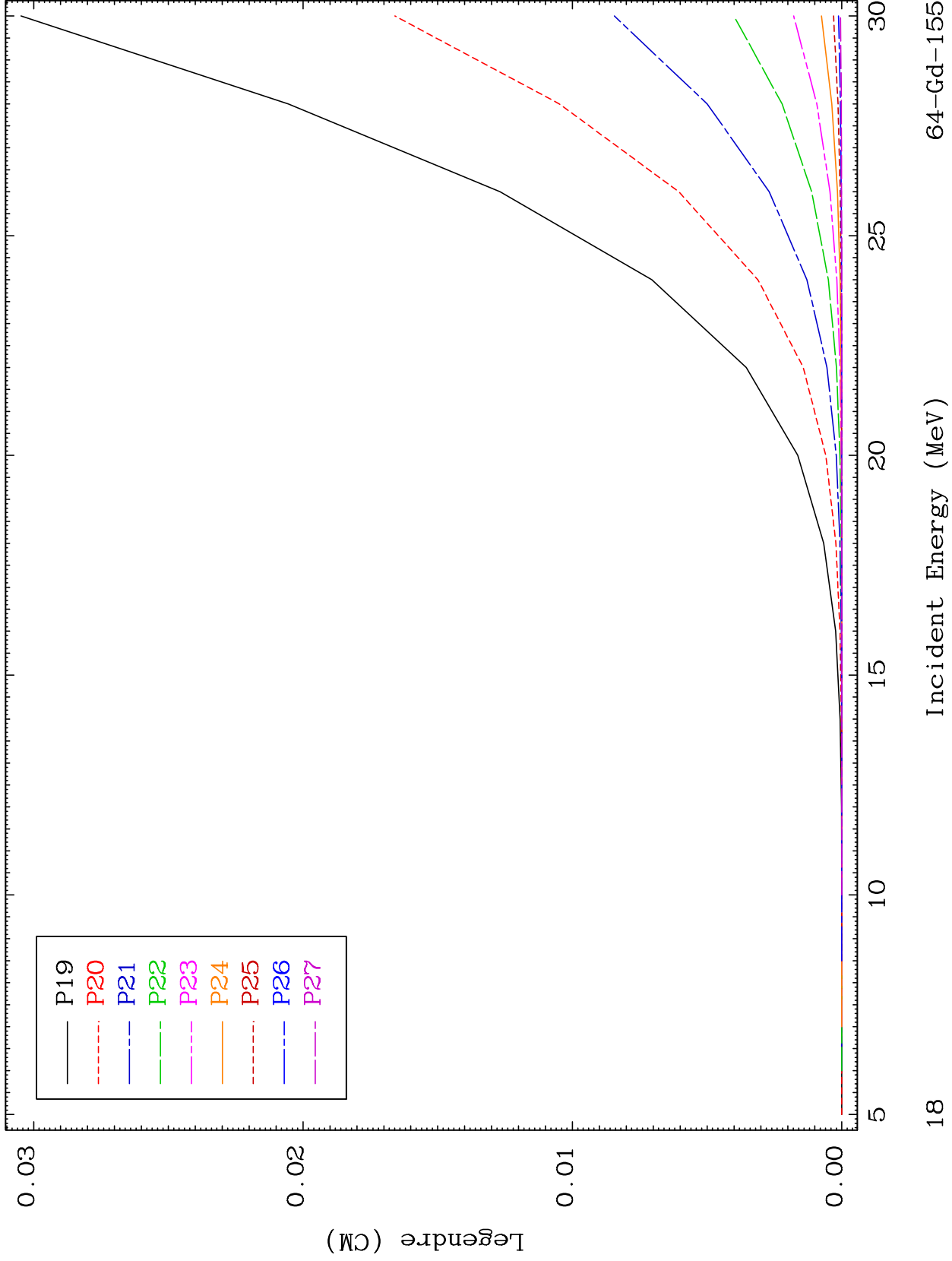
64-Gd-155



MAT 6434

### Elastic Legendre Coefficients

64-Gd-155



18

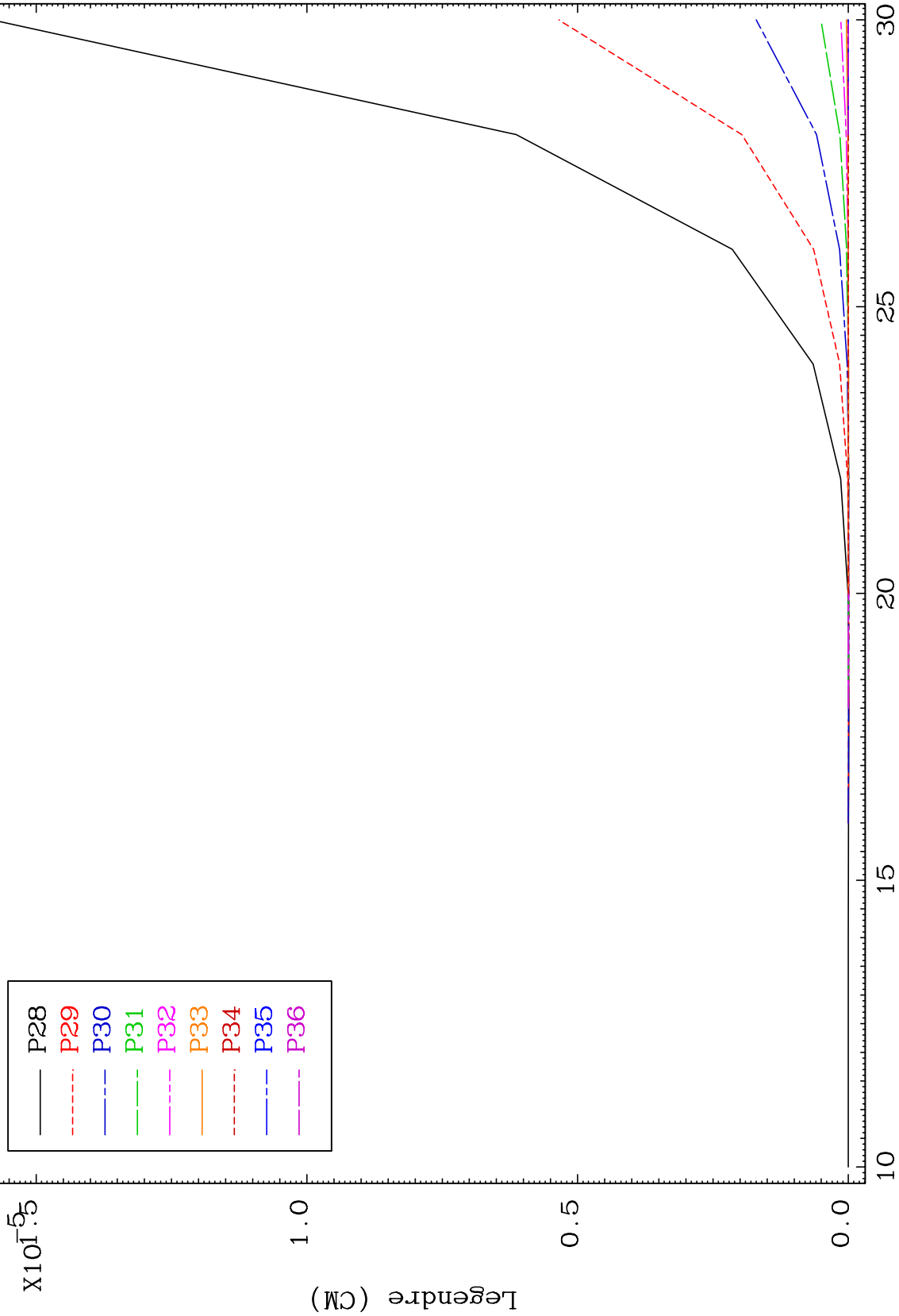
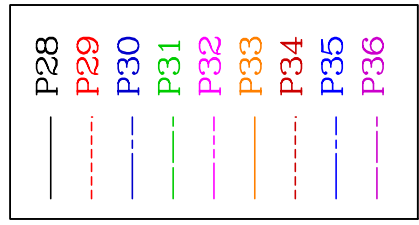
Incident Energy (MeV)

64-Gd-155

MAT 6434

Elastic Legendre Coefficients

64-Gd-155

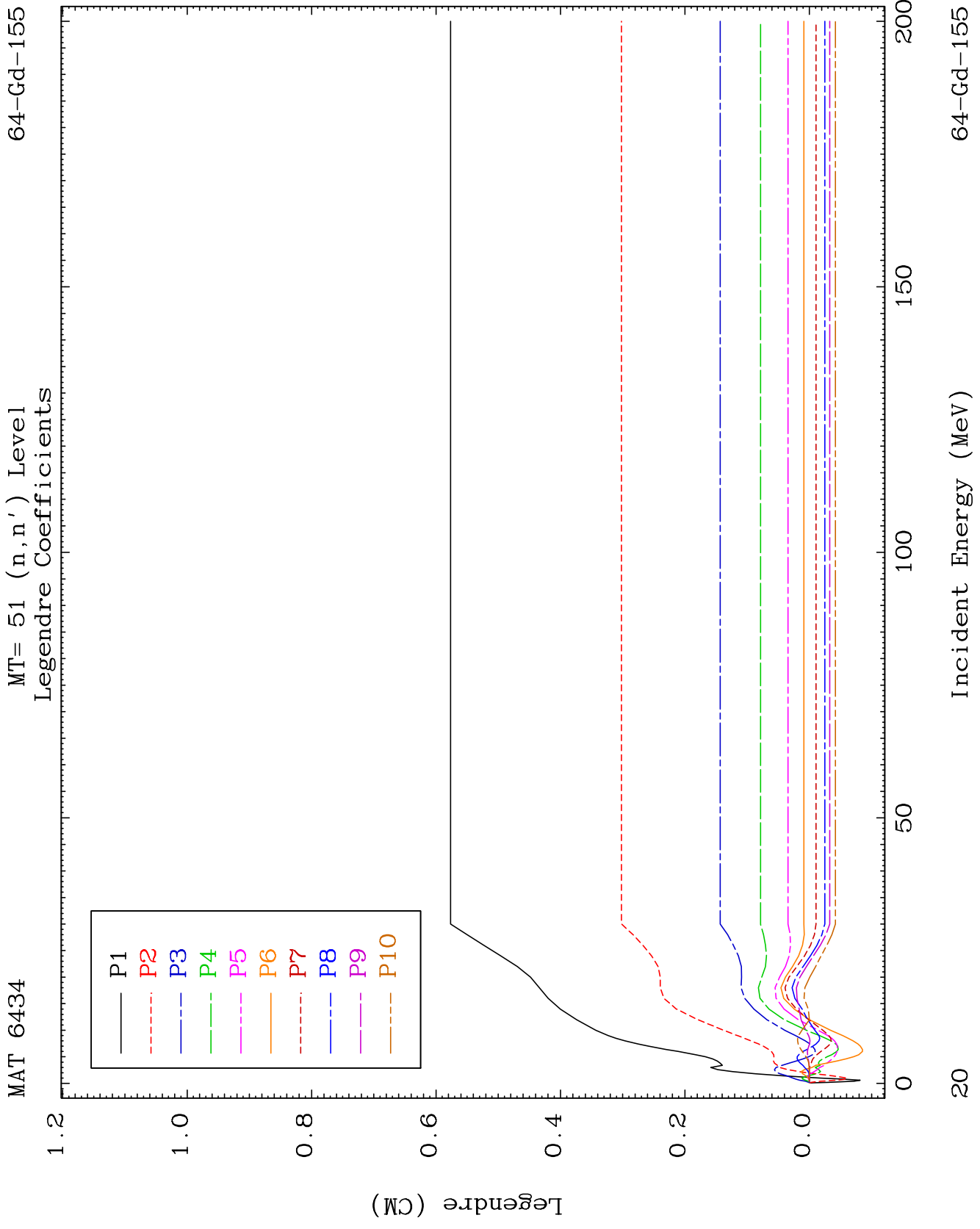


10

Incident Energy (MeV)

64-Gd-155

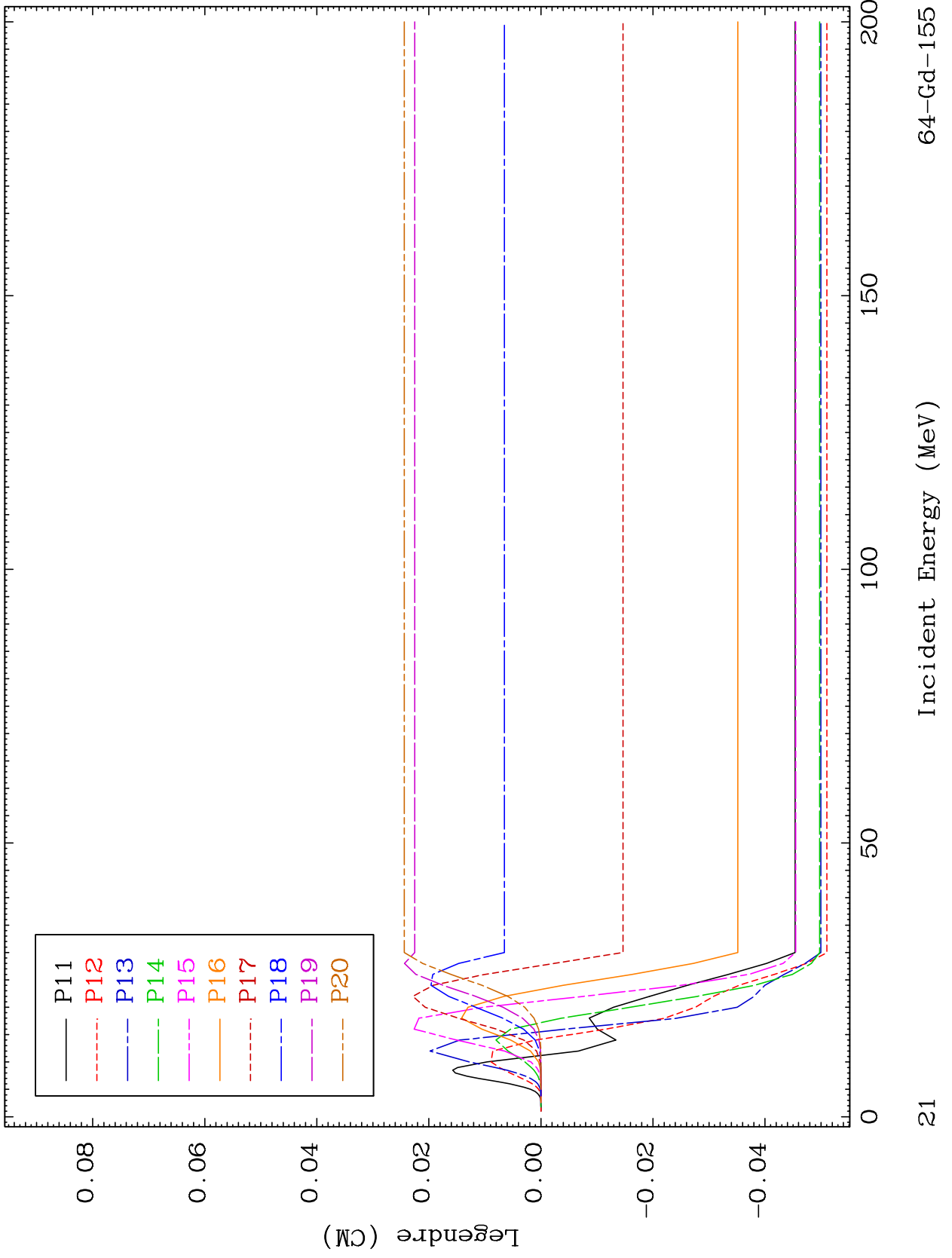
19



MAT 6434

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

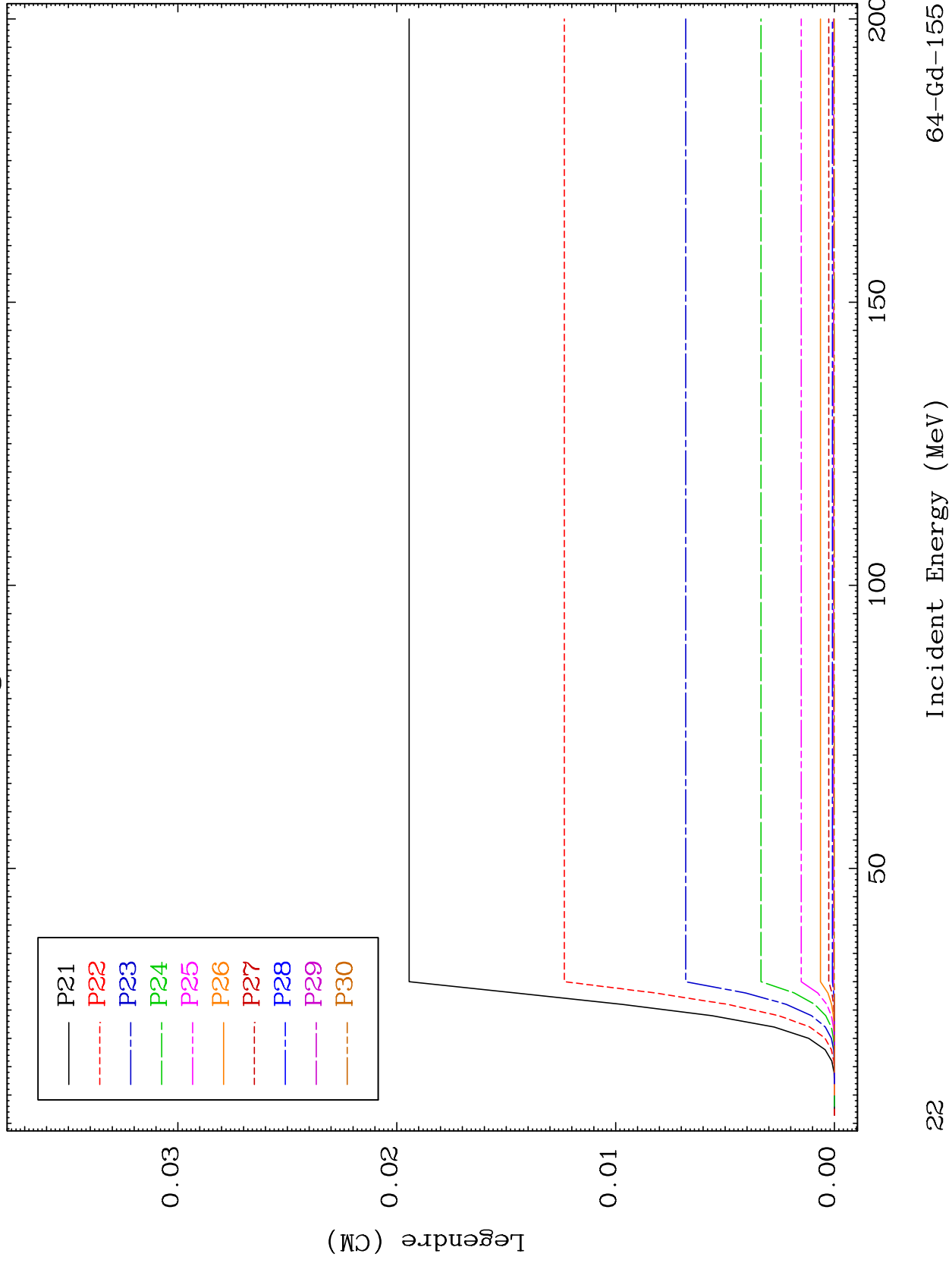
64-Gd-155



MAT 6434

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

64-Gd-155



22

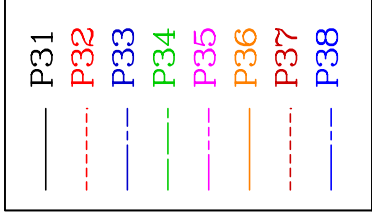
64-Gd-155

MAT 6434

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

64-Gd-155

$\times 10^{-6}$

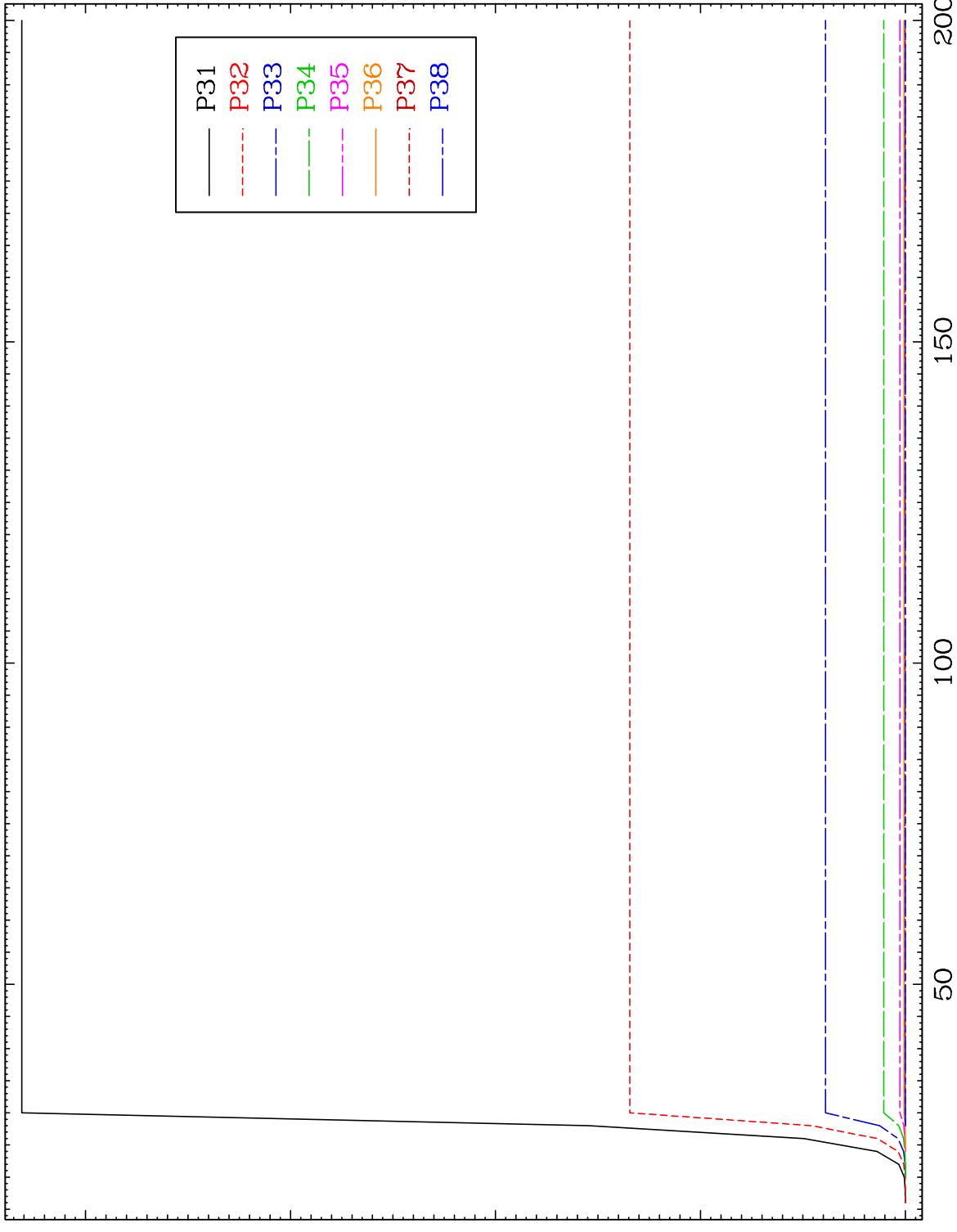


Legendre (CM)

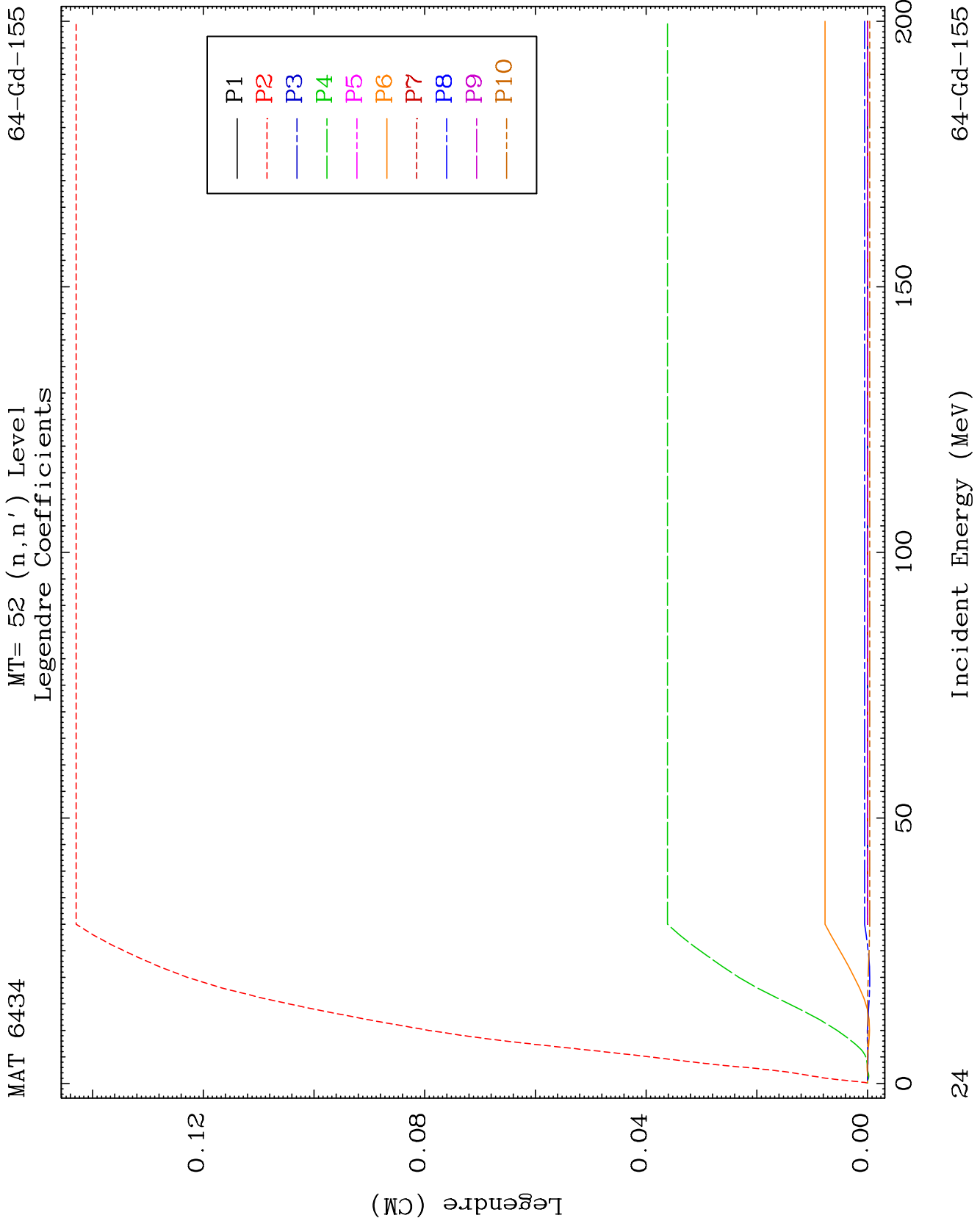
23

Incident Energy (MeV)

64-Gd-155



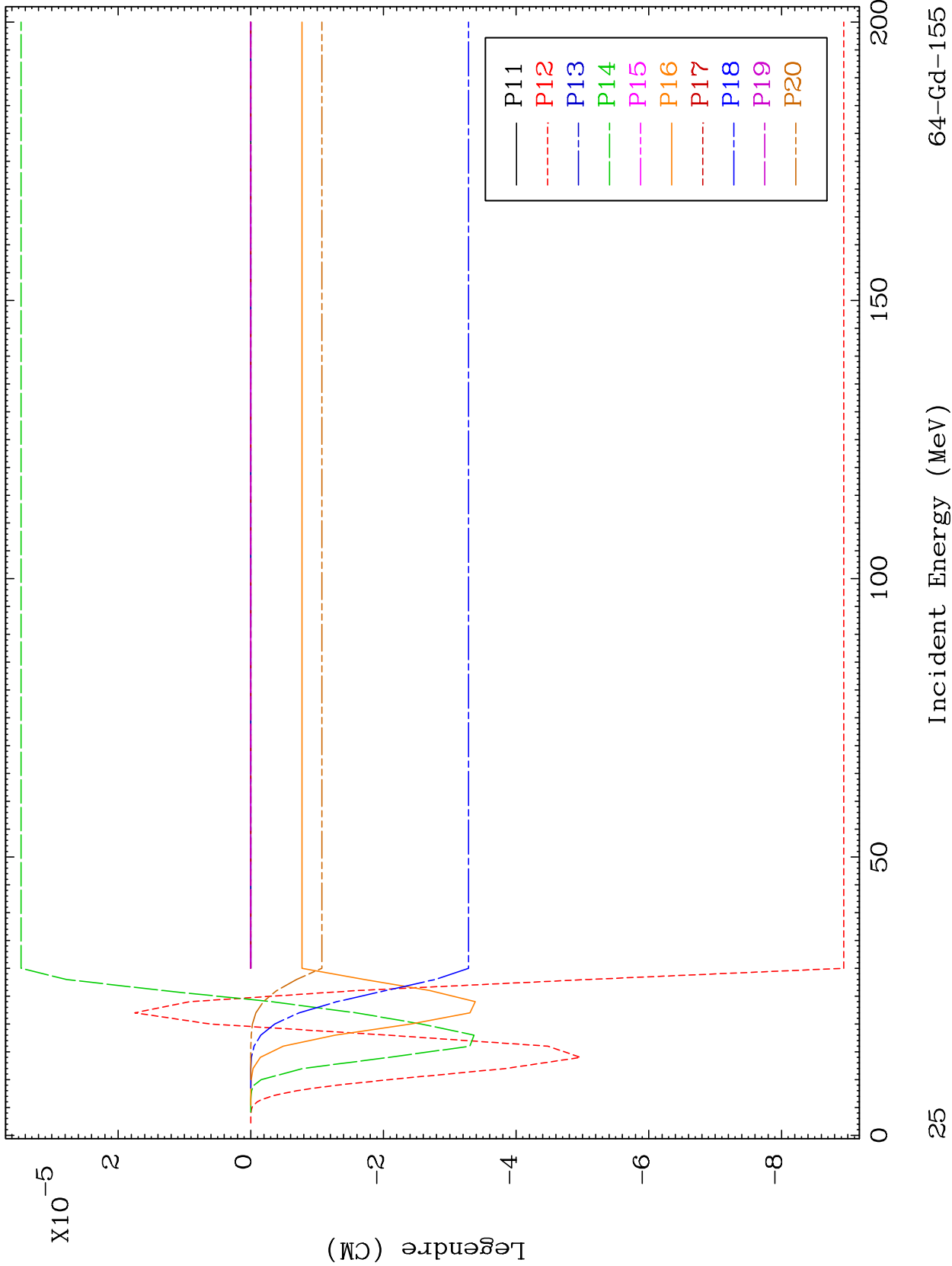




MAT 6434

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

64-Gd-155



64-Gd-155

Incident Energy (MeV)

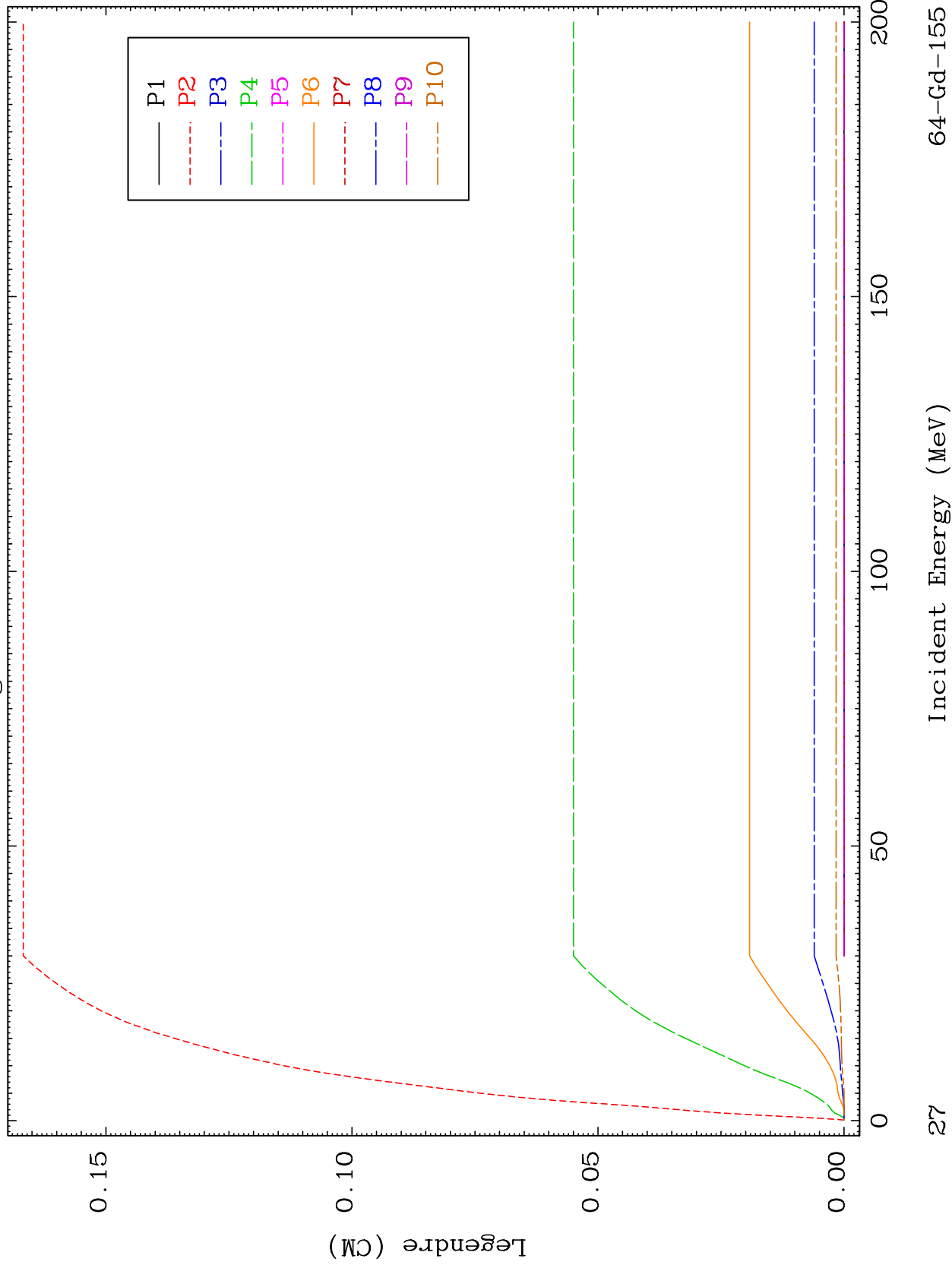
25



MAT 6434

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

64-Gd-155

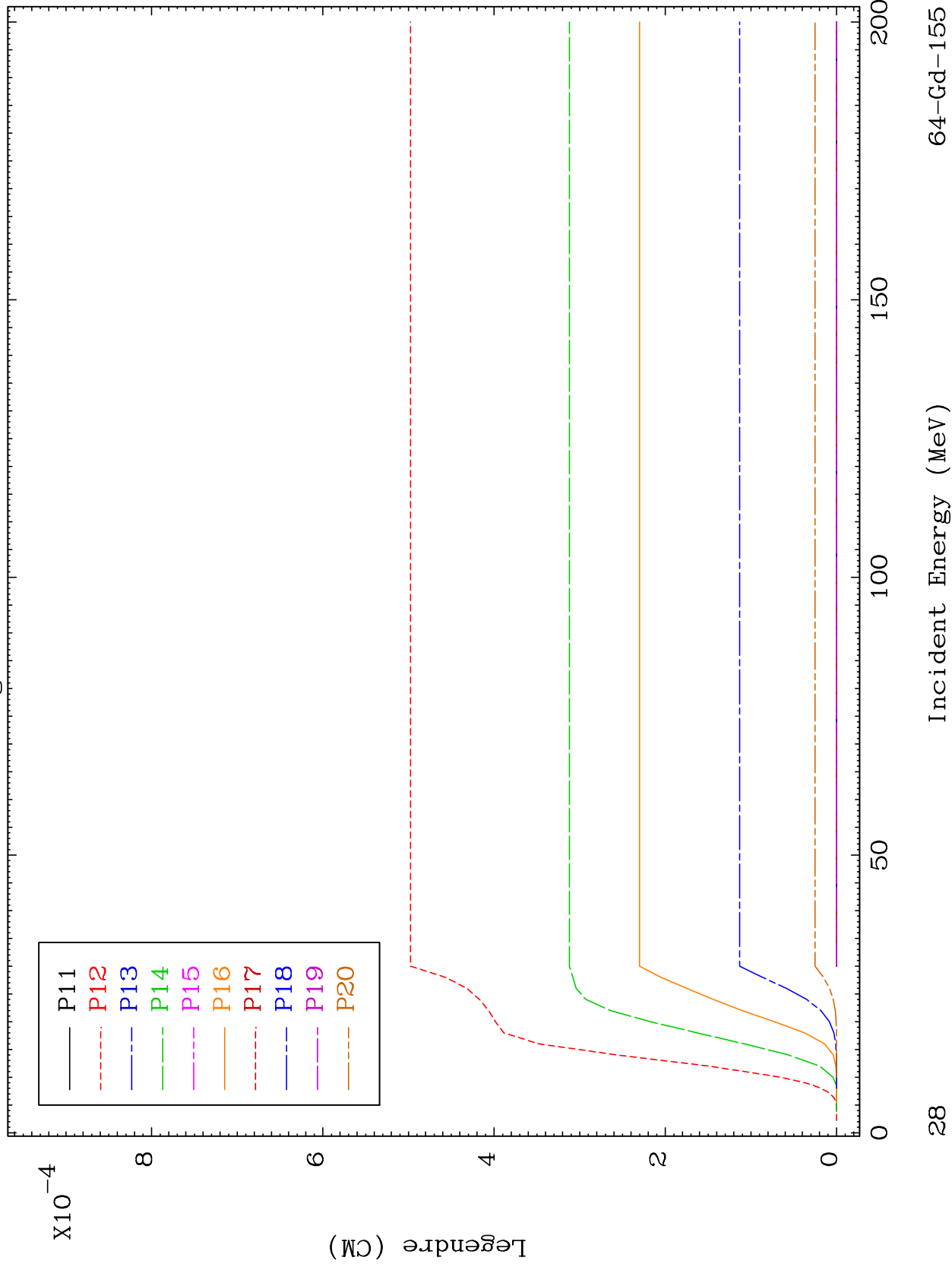


27

MAT 6434

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

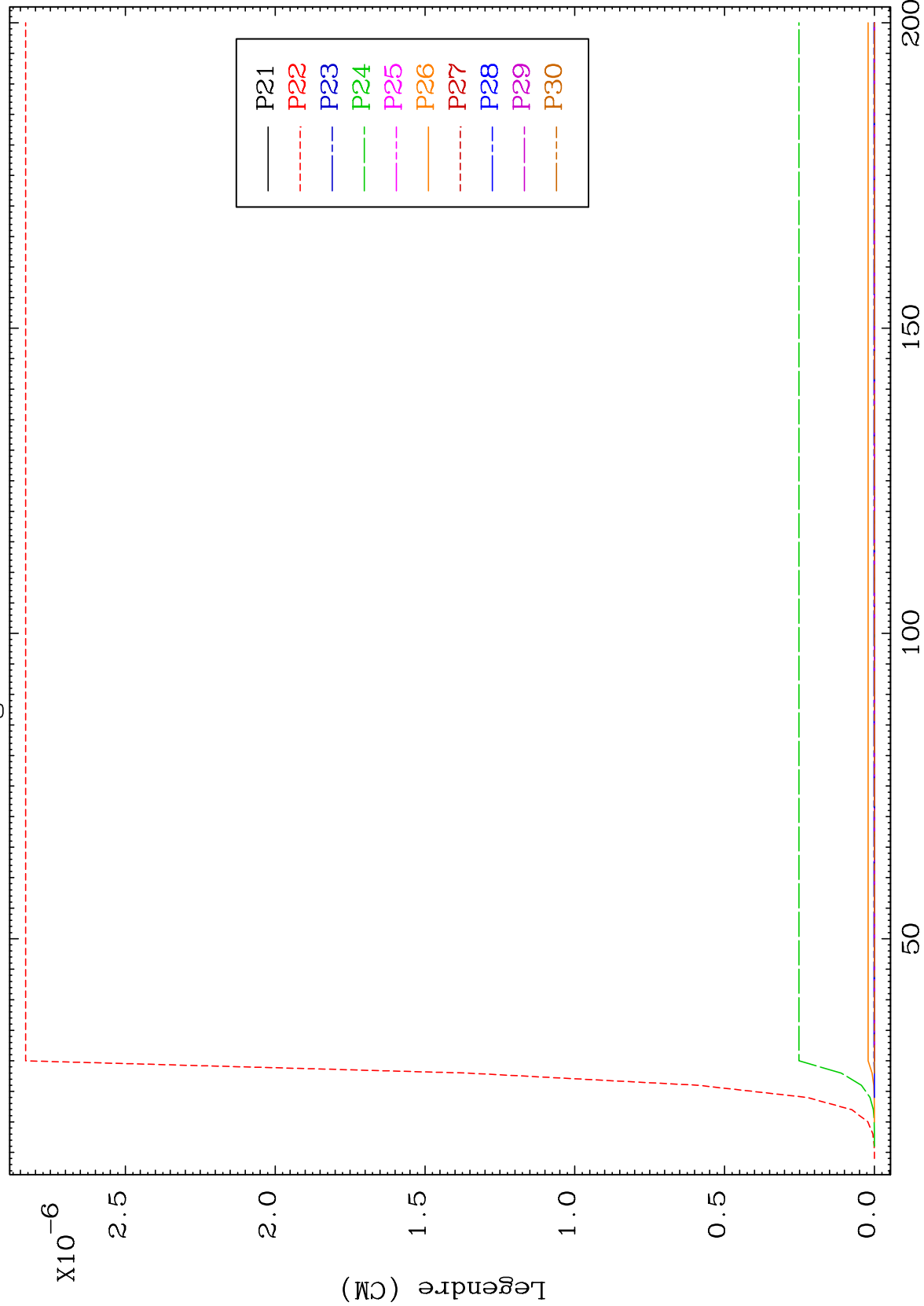
64-Gd-155



MAT 6434

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

64-Gd-155



29

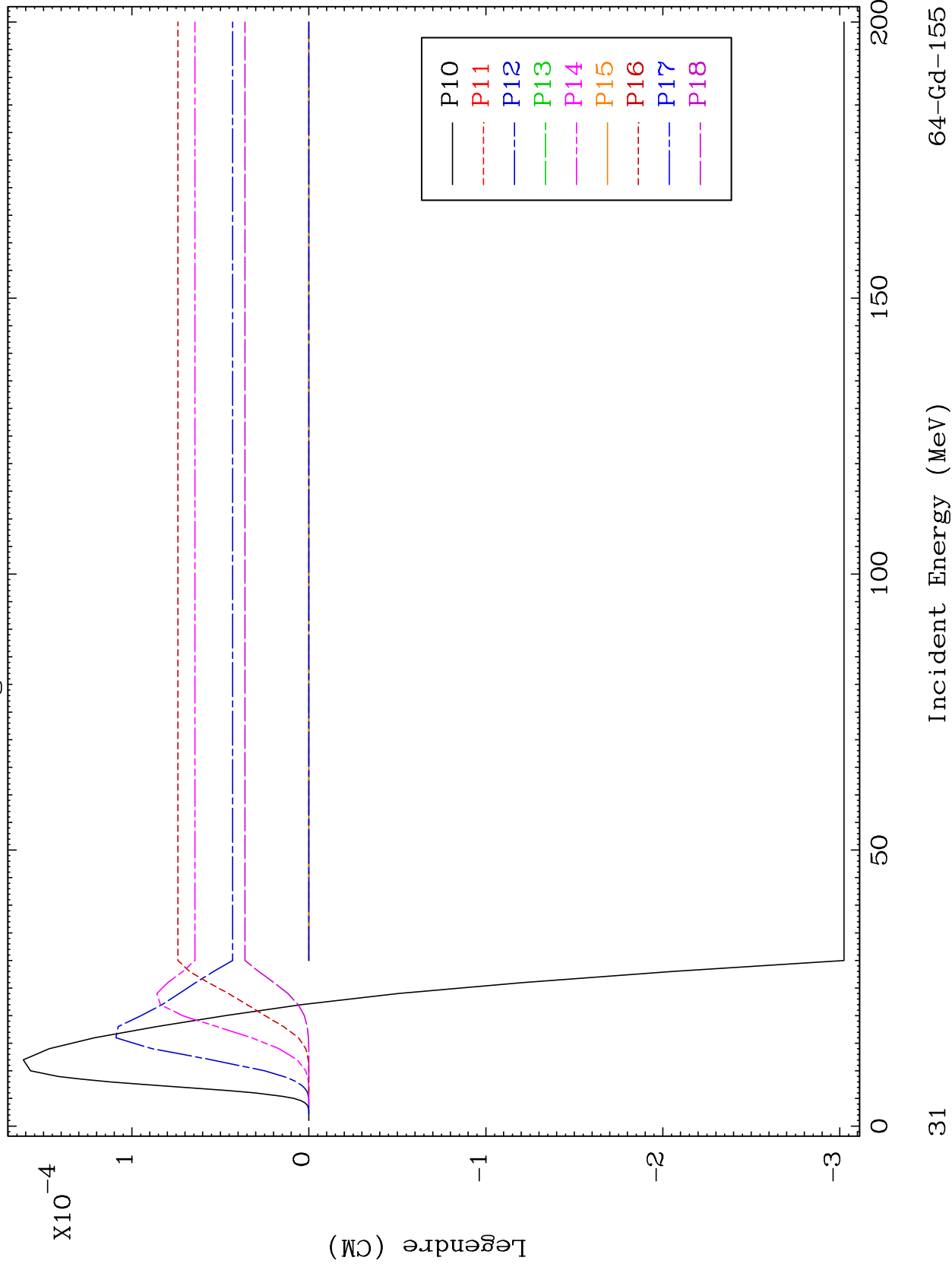
64-Gd-155



MAT 6434

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

64-Gd-155



31

64-Gd-155





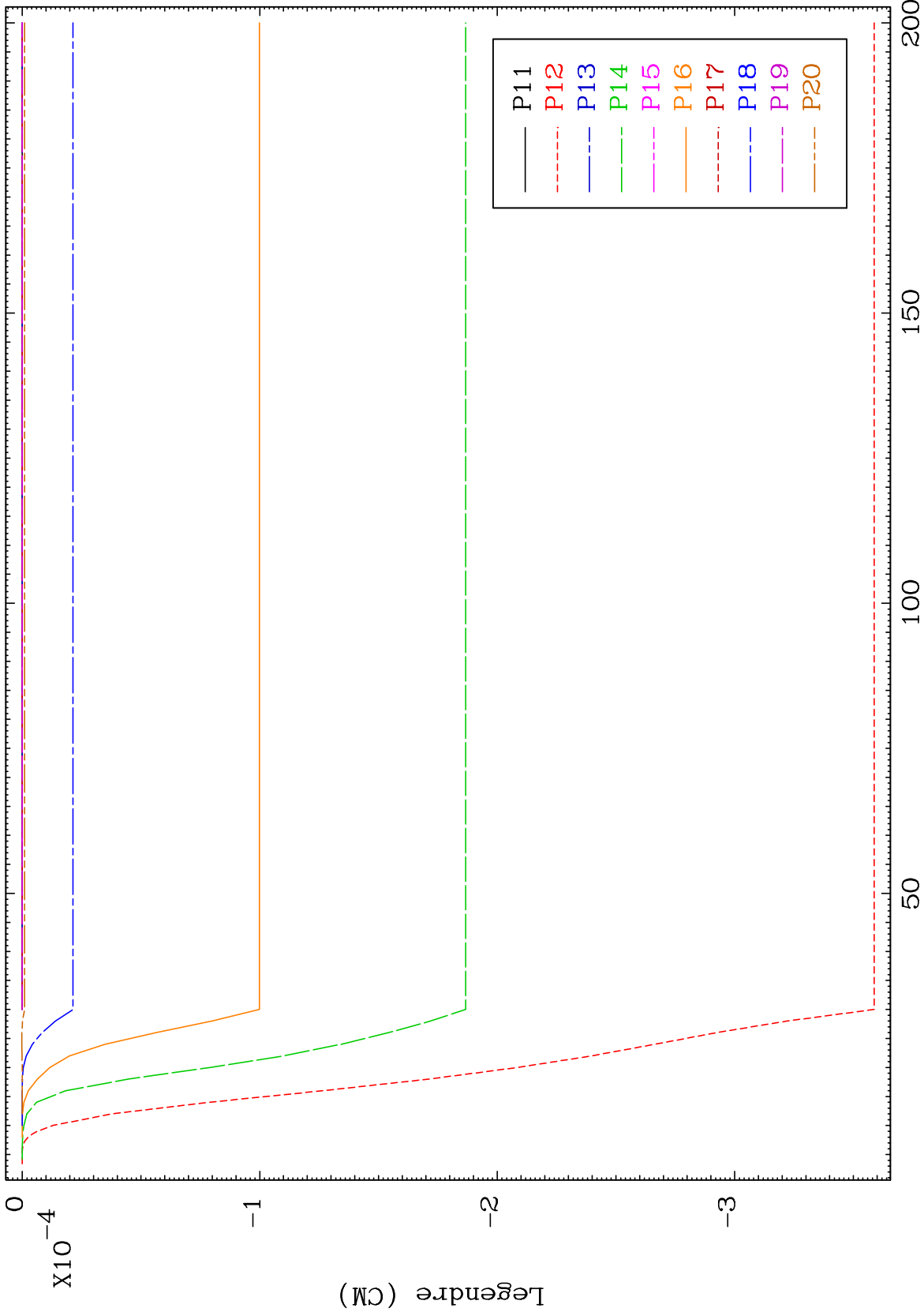


MAT 6434

MT= 55 (n,n') Level

64-Gd-155

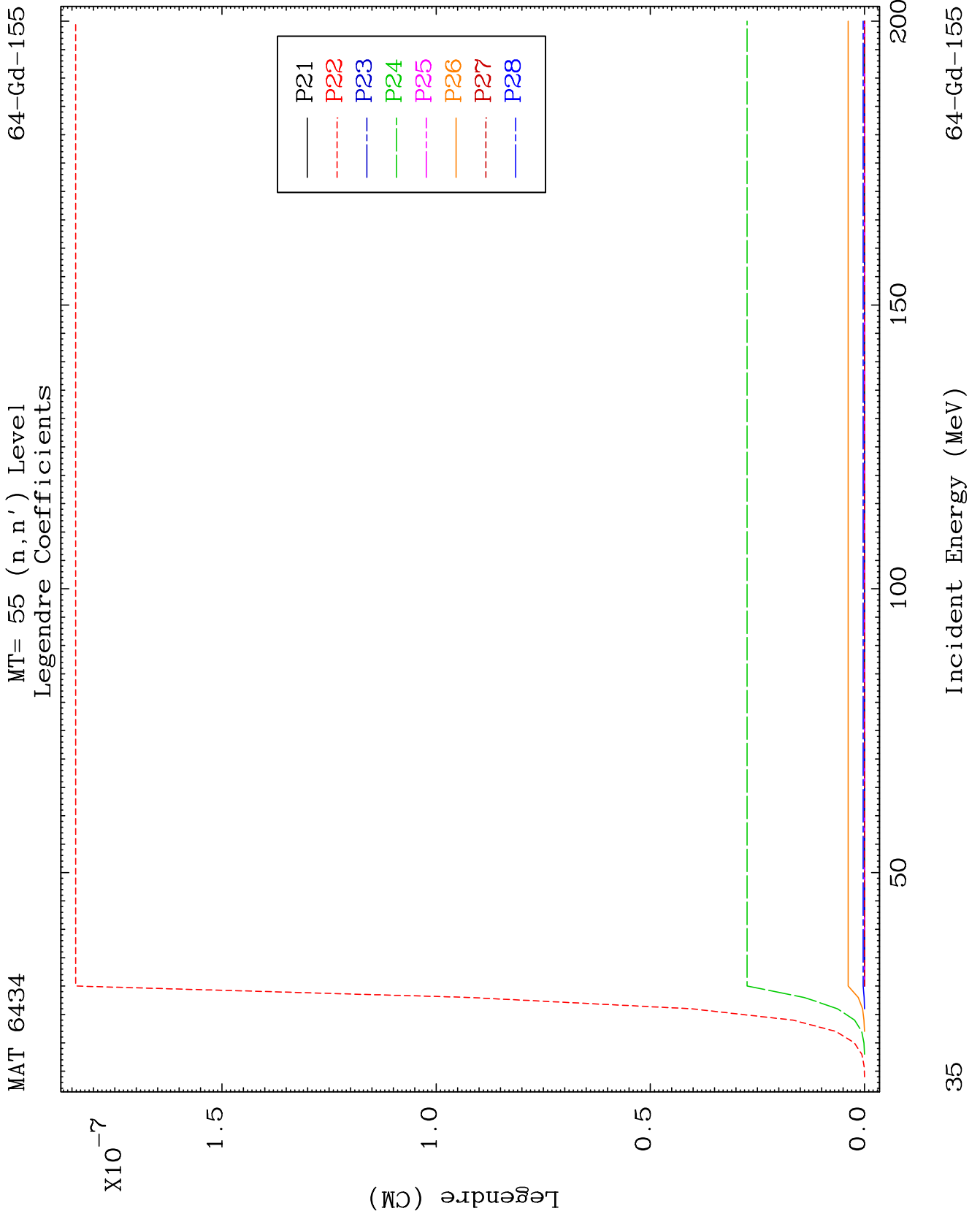
Legendre Coefficients



34

Incident Energy (MeV)

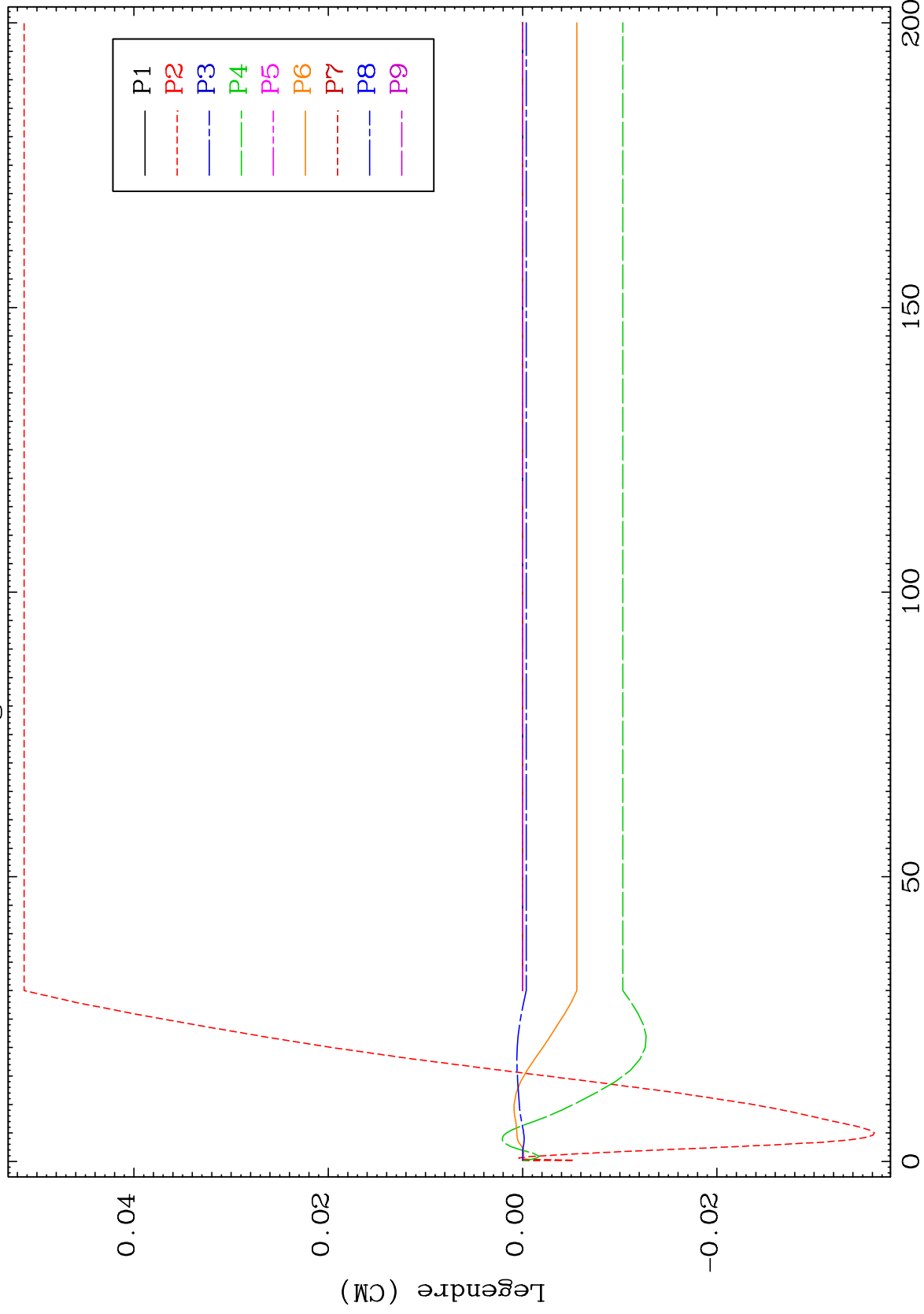
64-Gd-155



MAT 6434

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

64-Gd-155



64-Gd-155

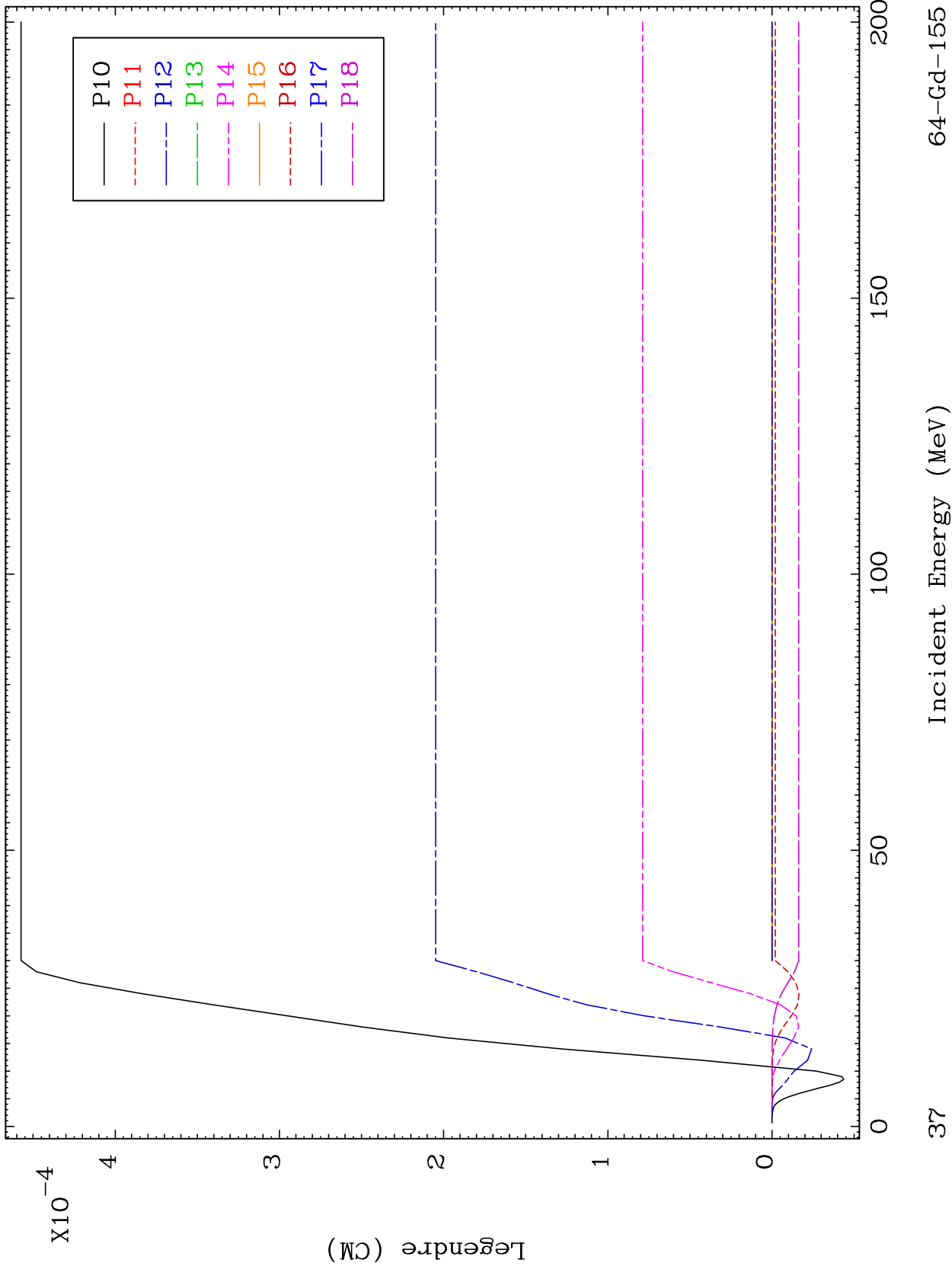
Incident Energy (MeV)

36

MAT 6434

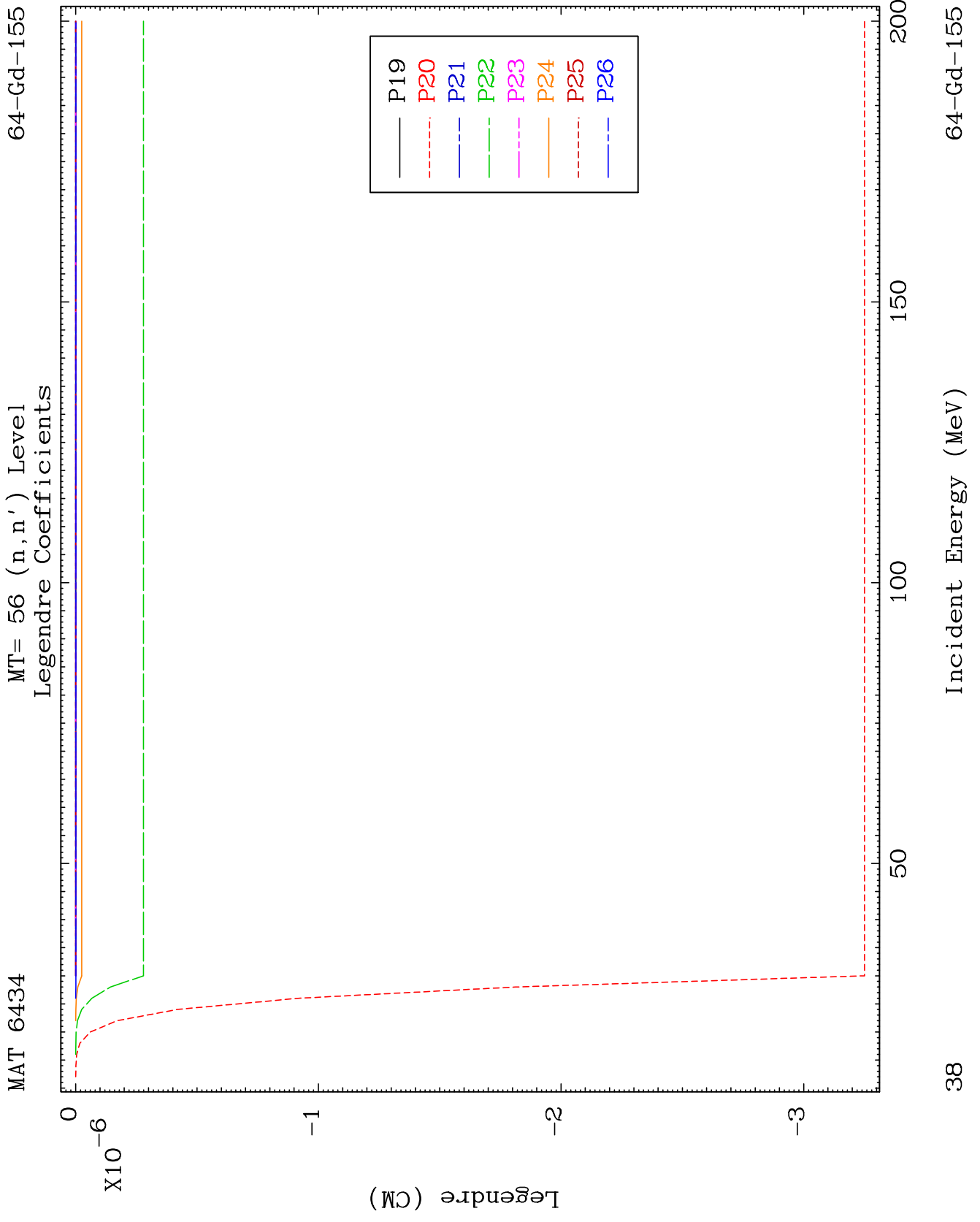
MT= 56 (n,n') Level  
Legendre Coefficients

64-Gd-155



37

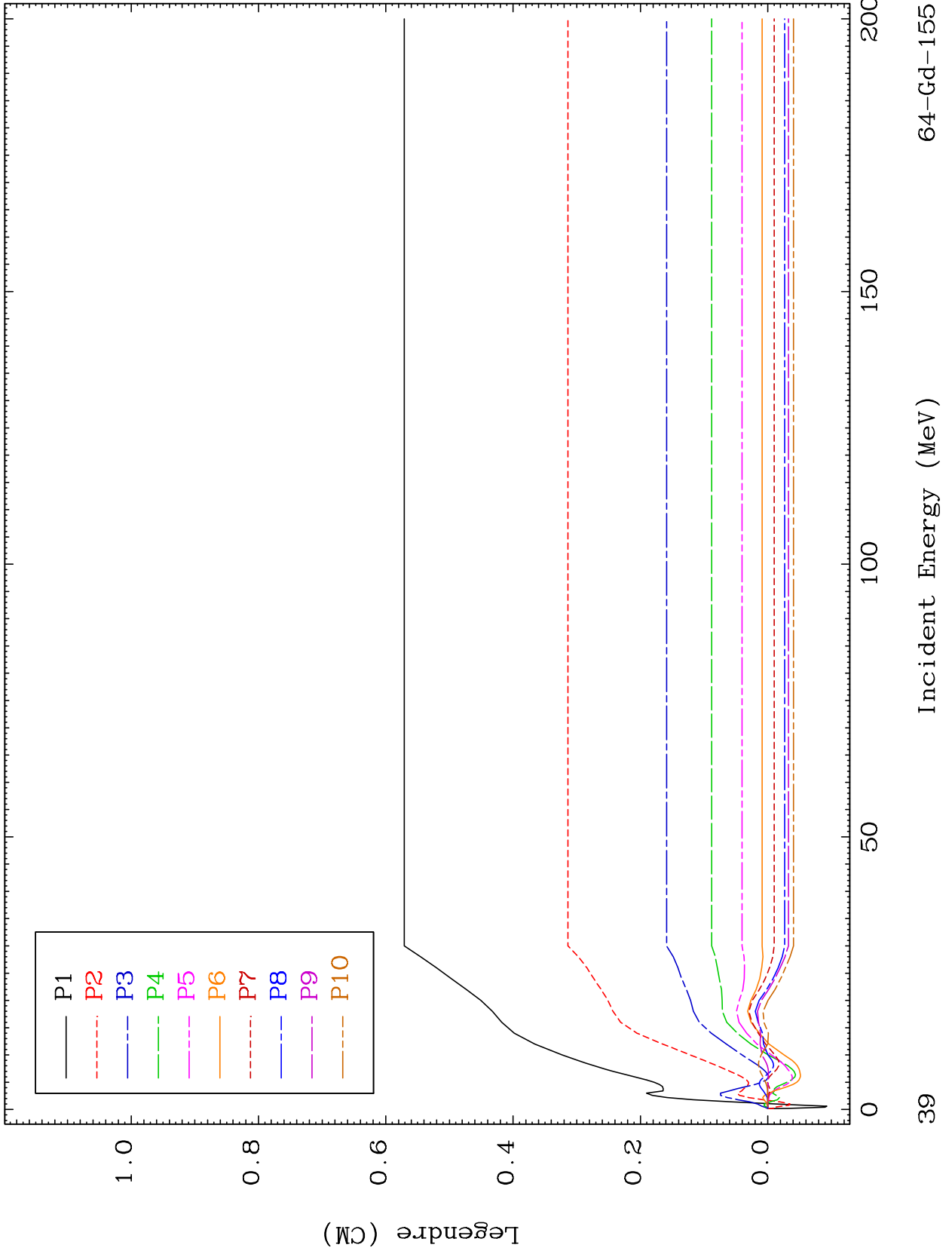
64-Gd-155



MAT 6434

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

64-Gd-155

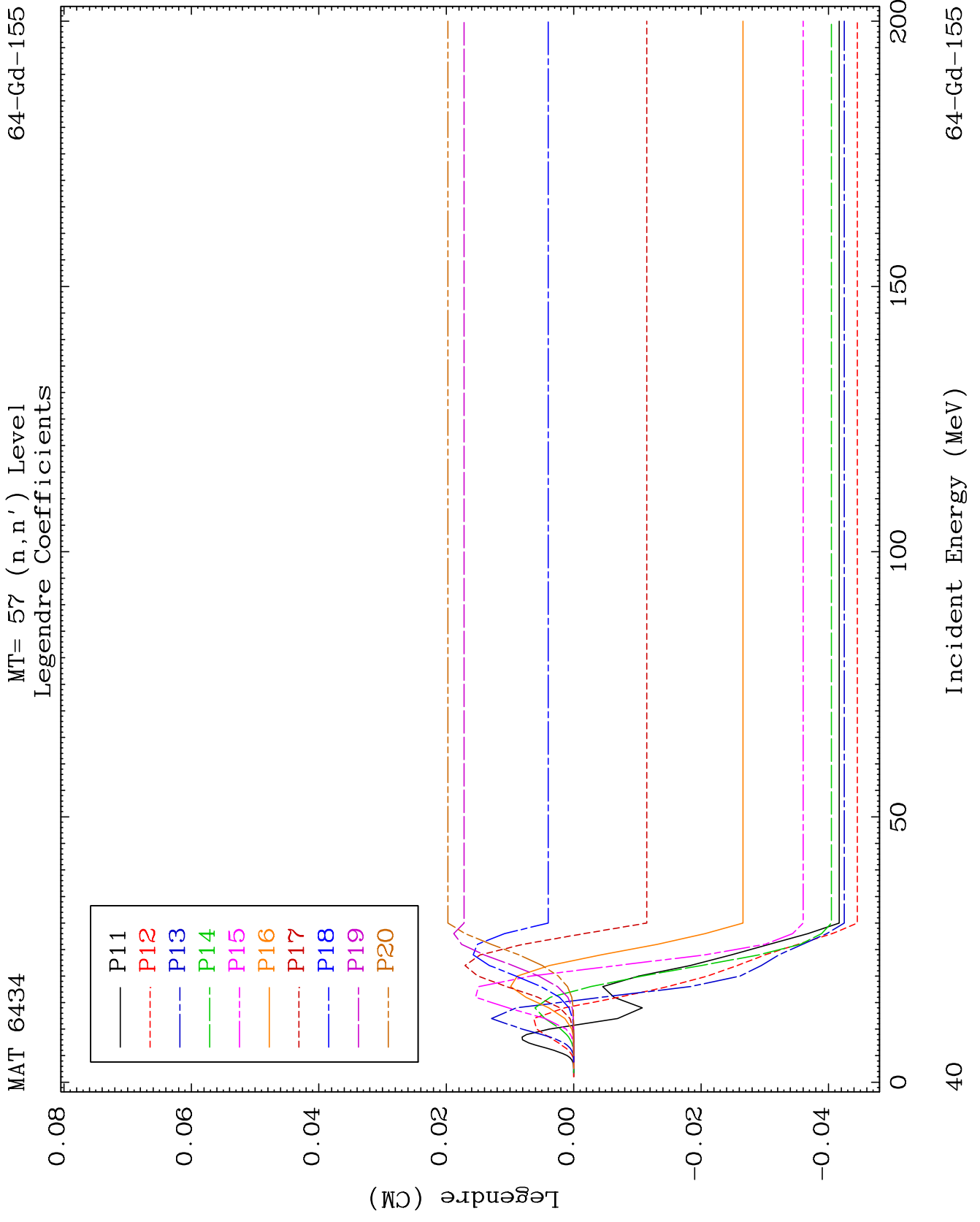


39

Incident Energy (MeV)

64-Gd-155

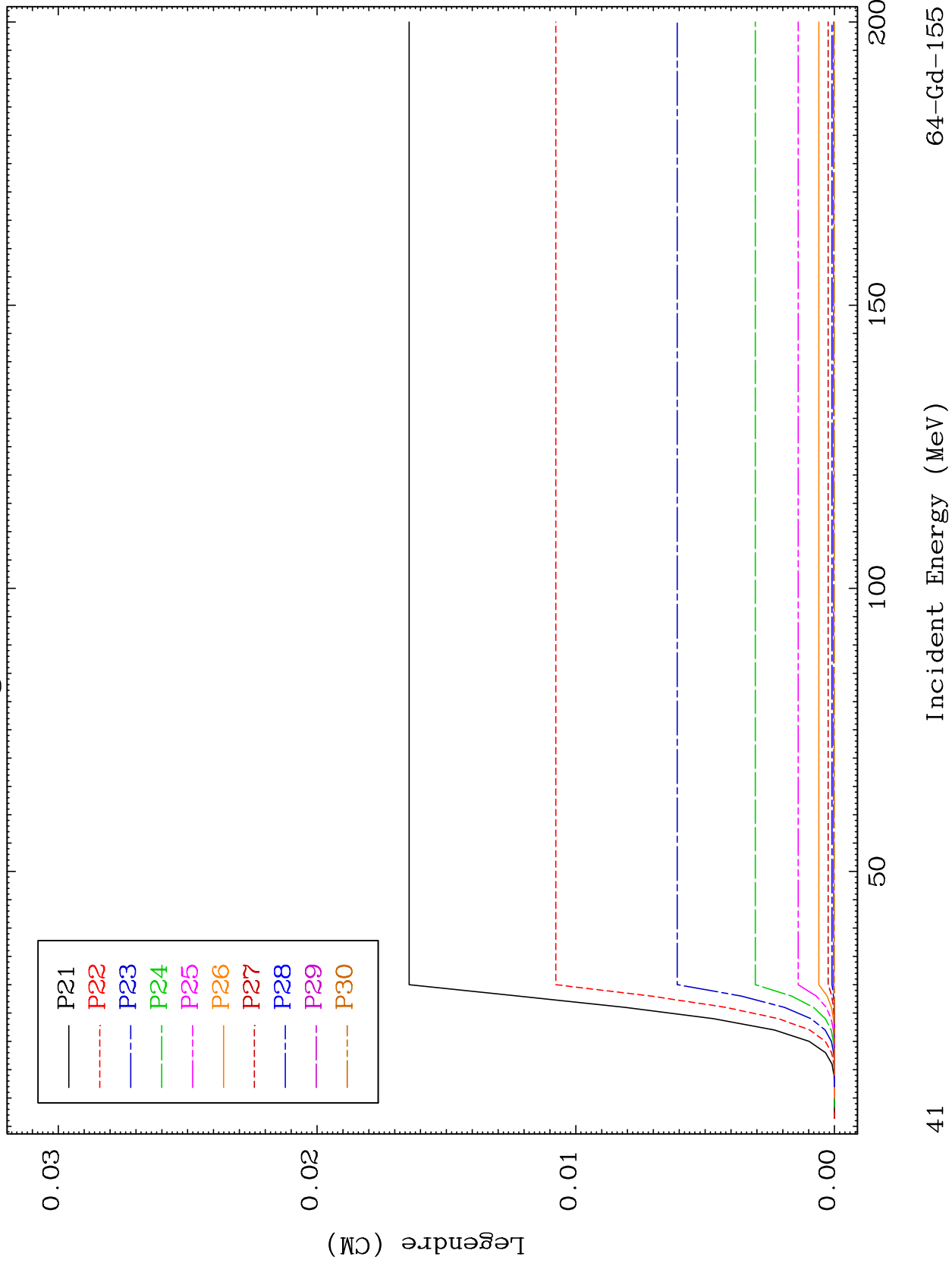




MAT 6434

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

64-Gd-155



41

Incident Energy (MeV)

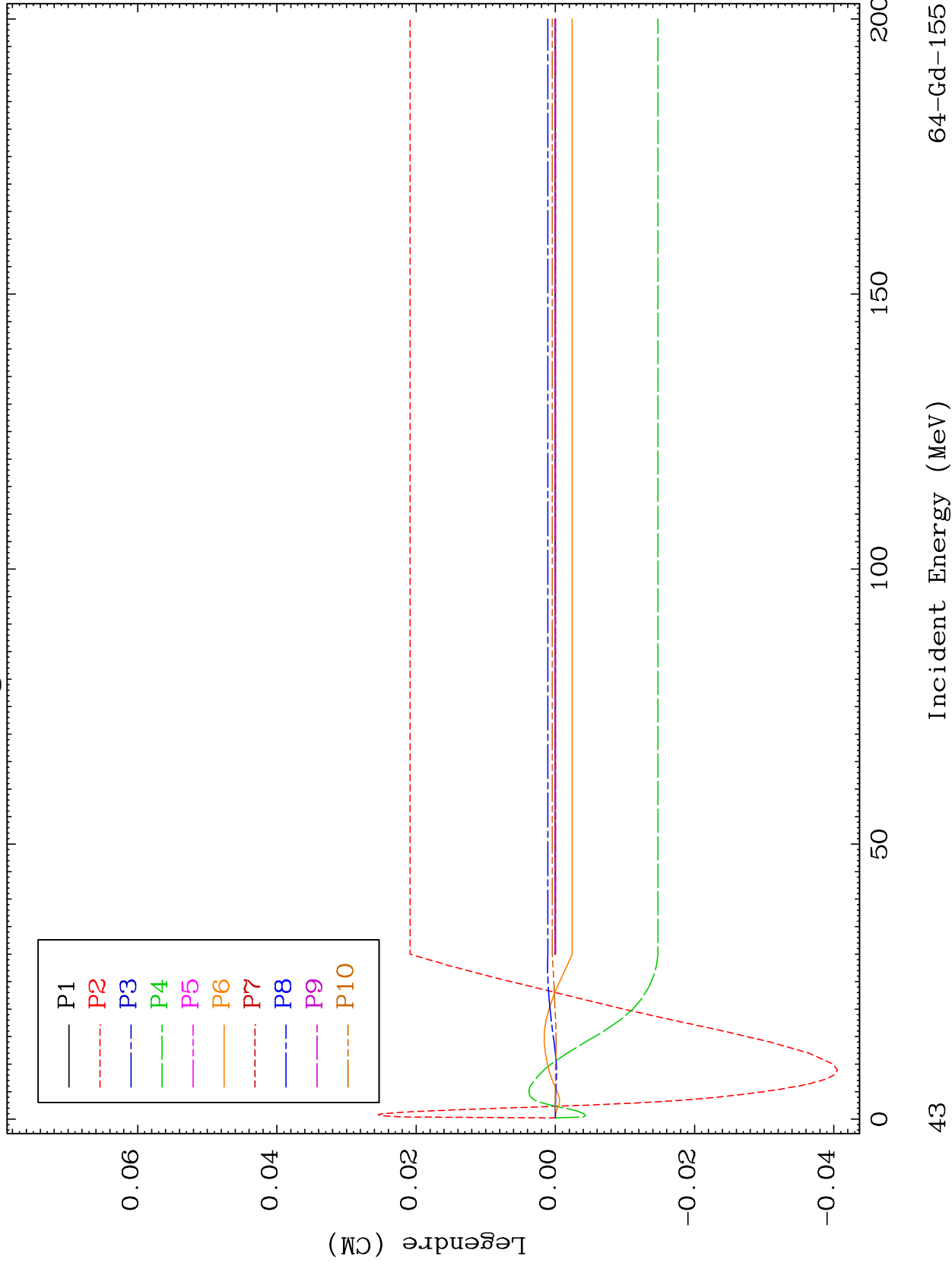
64-Gd-155



MAT 6434

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

64-Gd-155



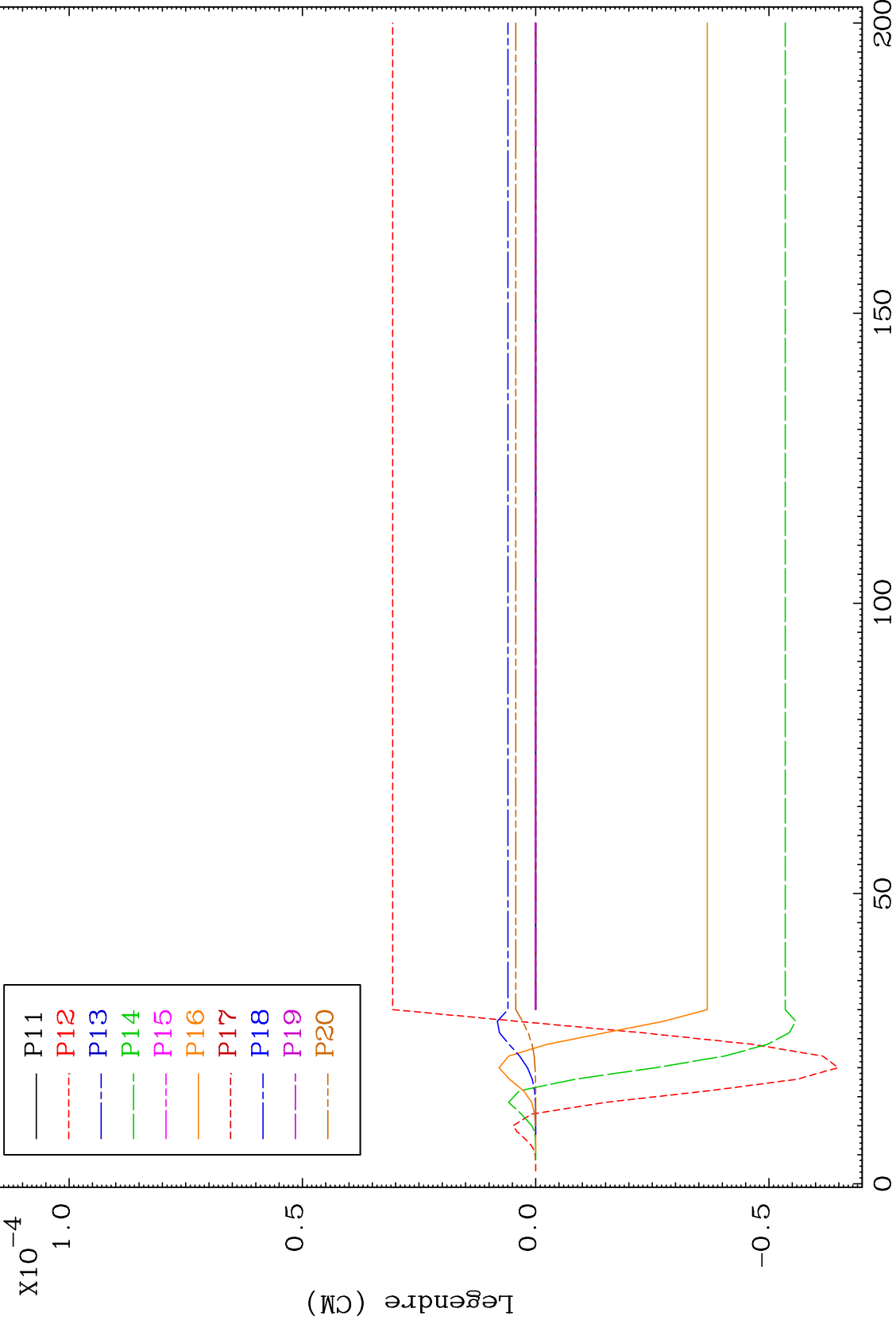
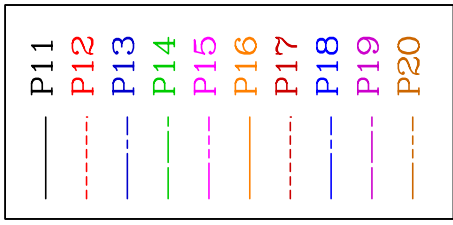
43

64-Gd-155

MAT 6434

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

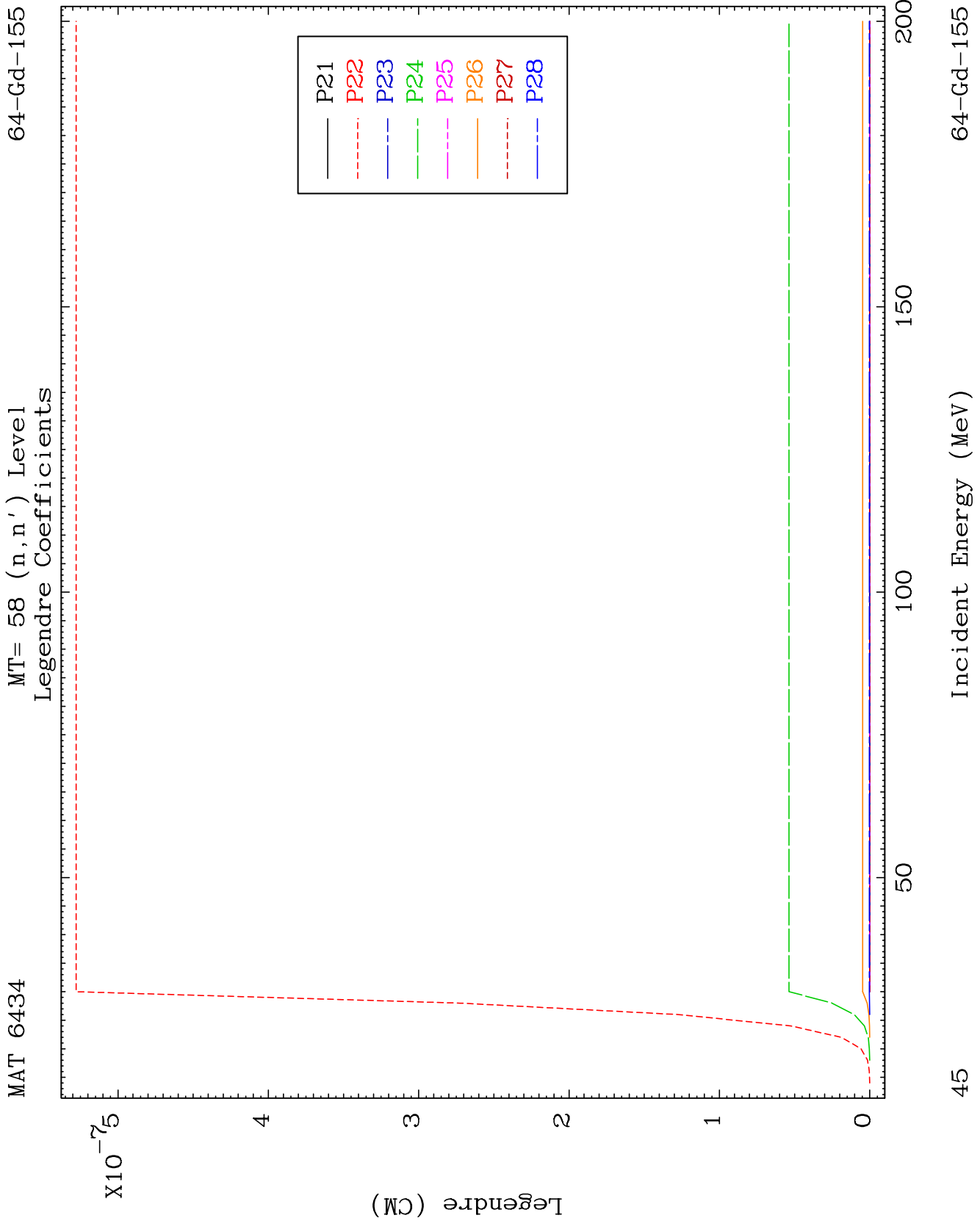
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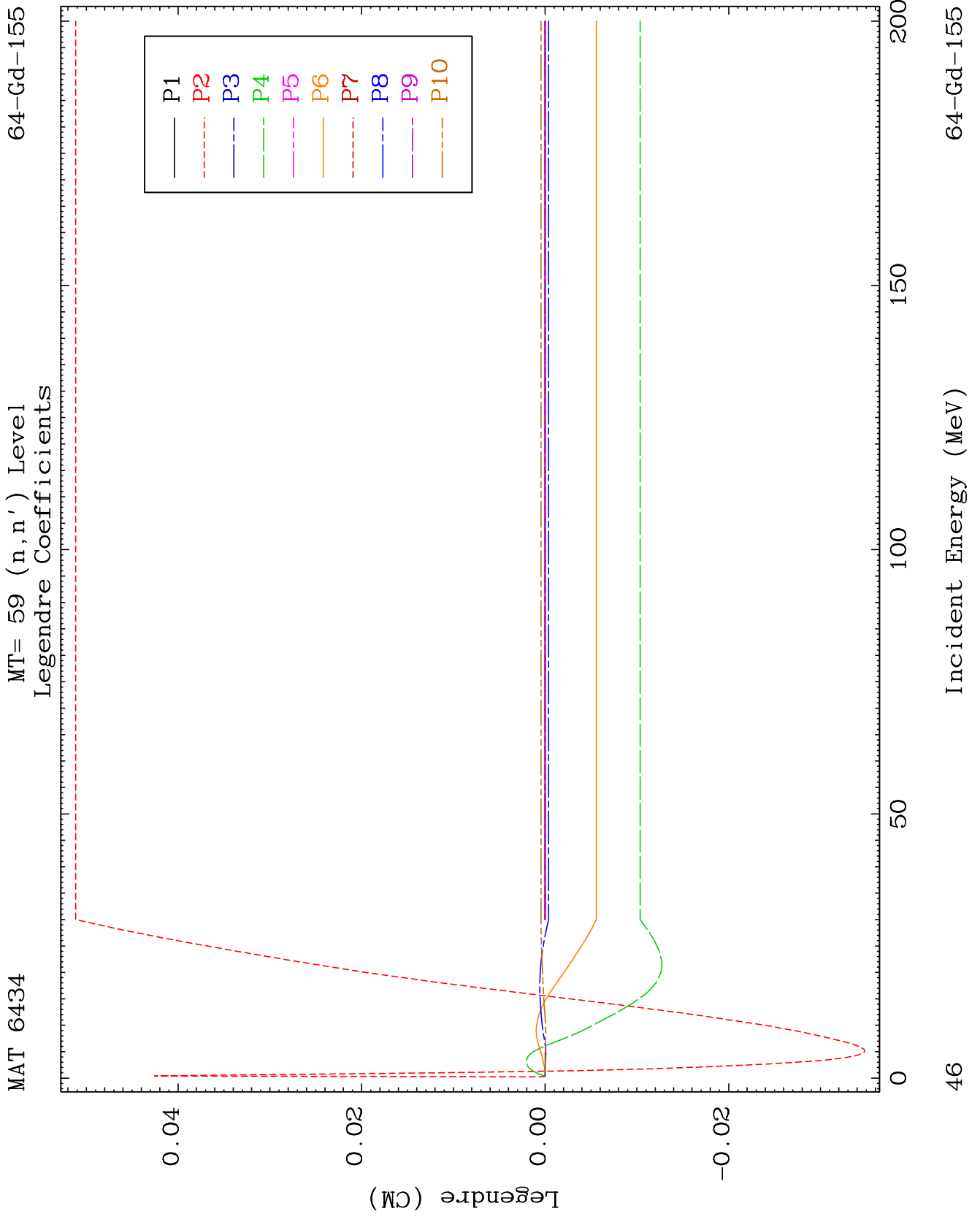


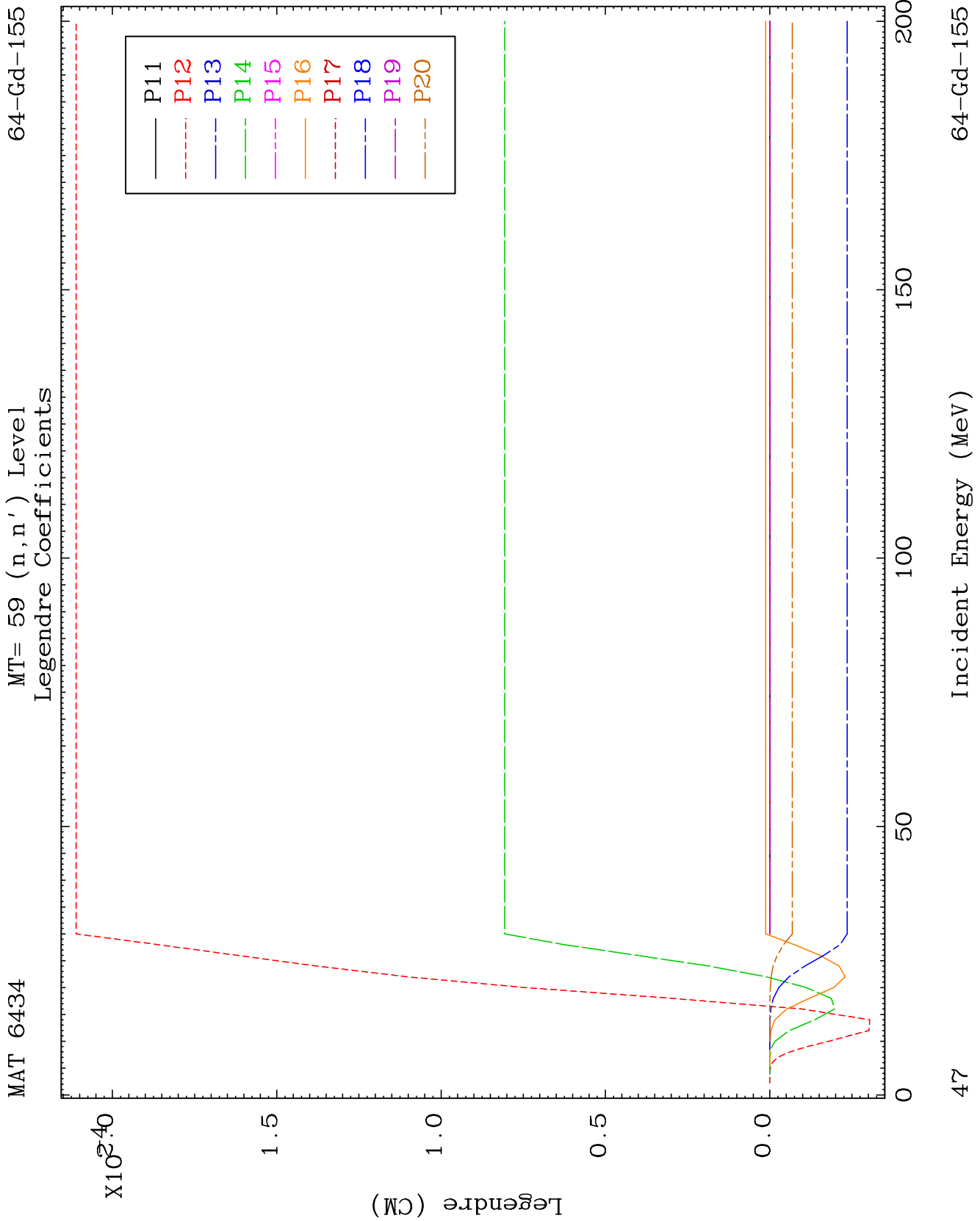
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Incident Energy (MeV)

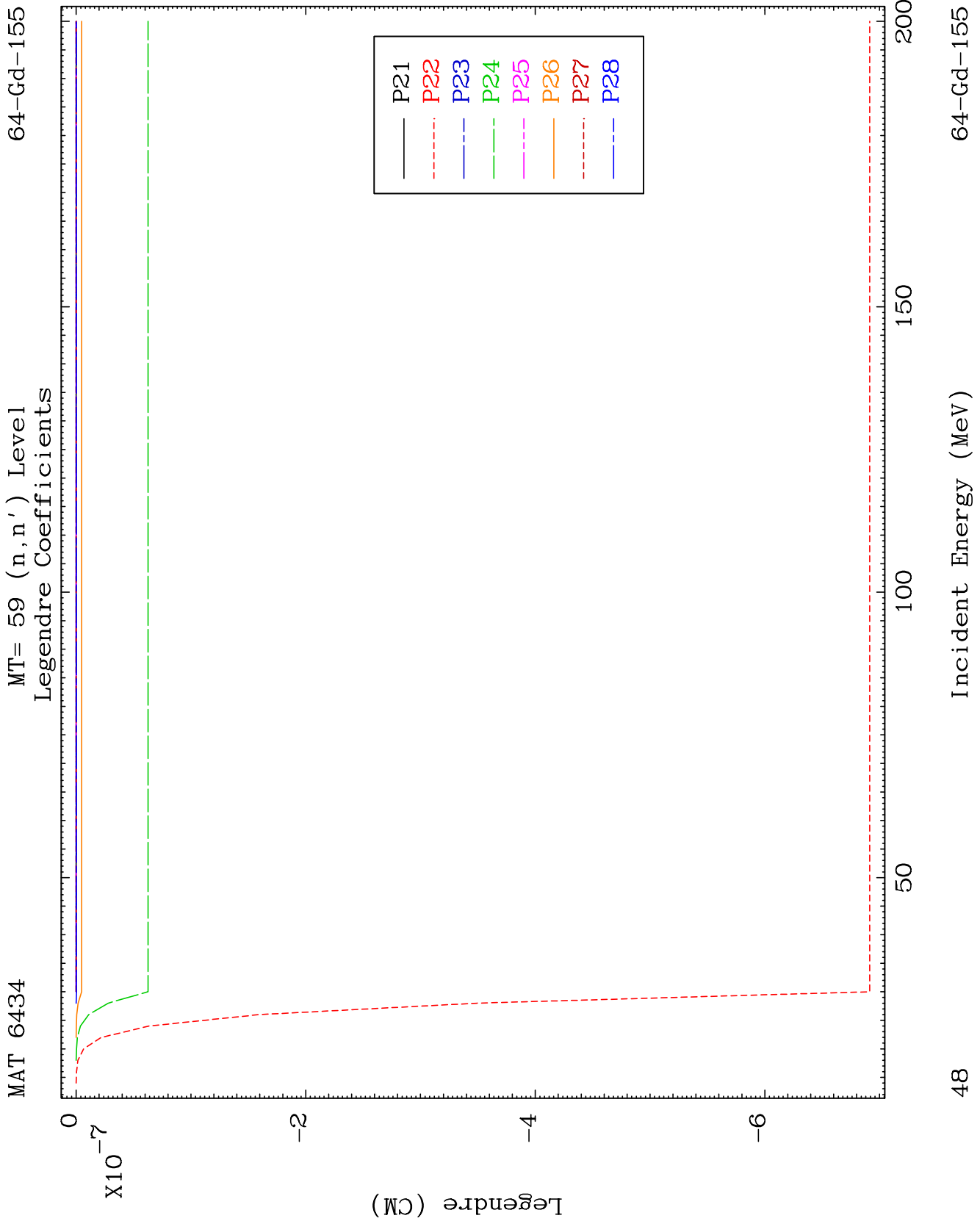
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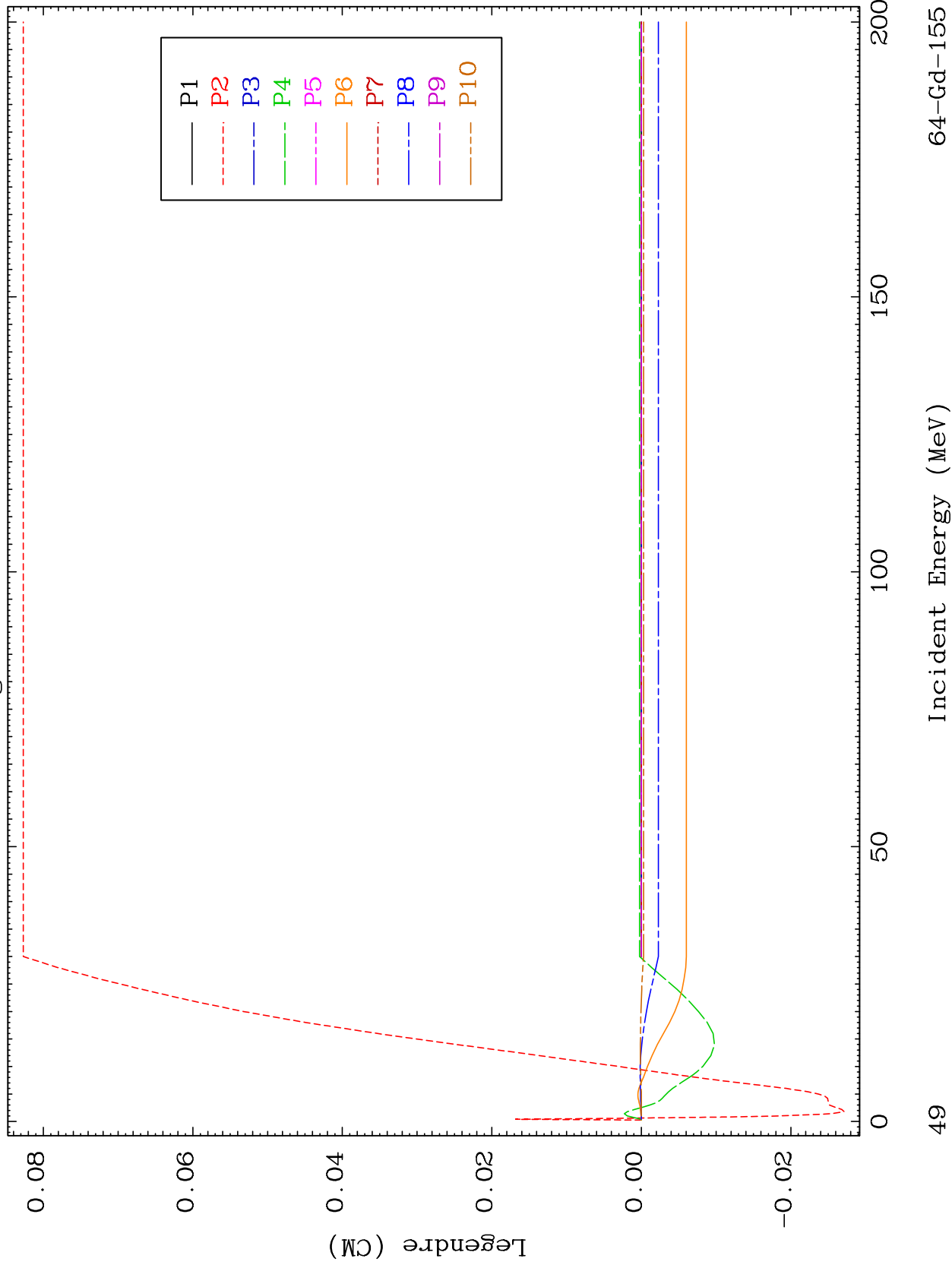




MAT 6434

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

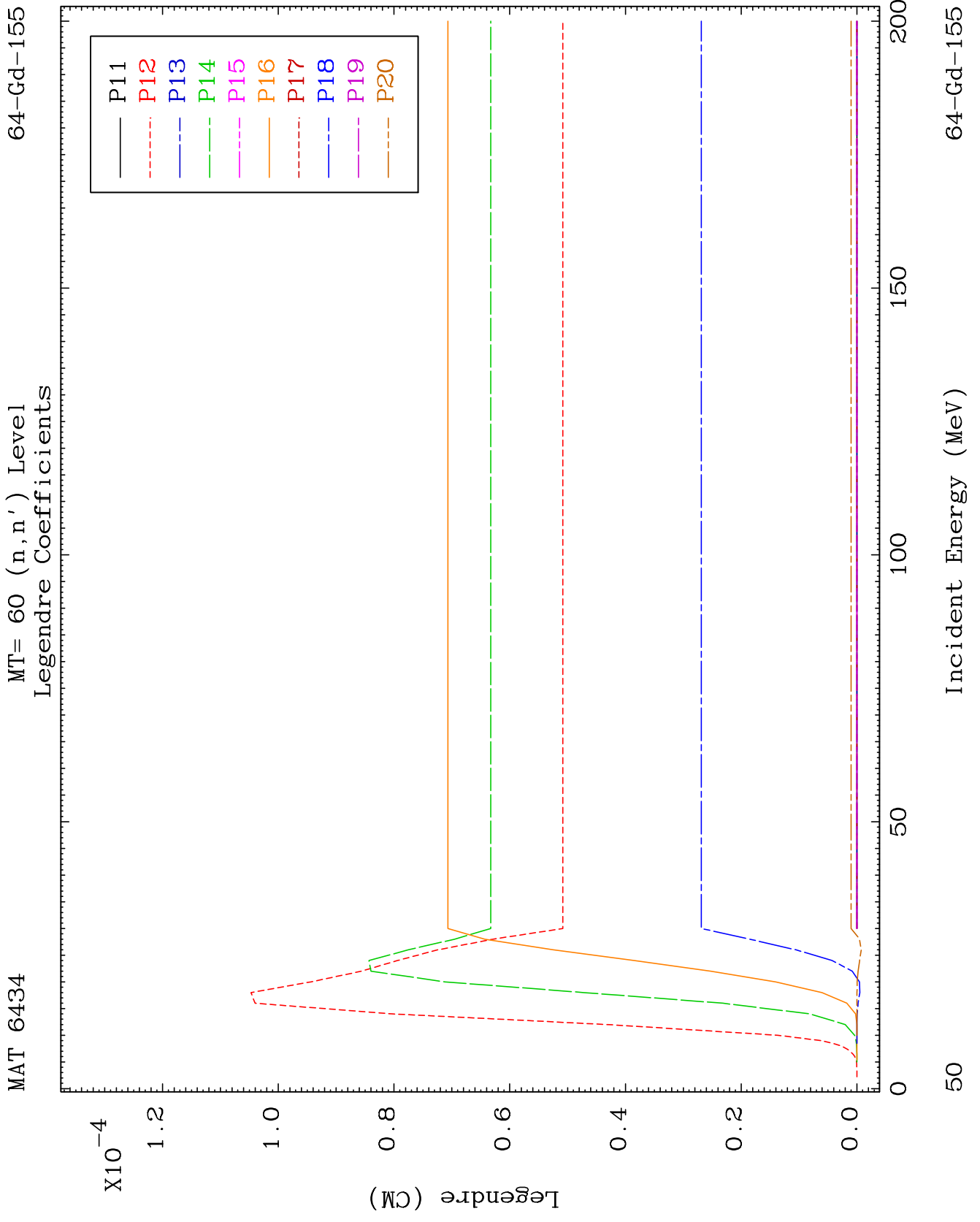
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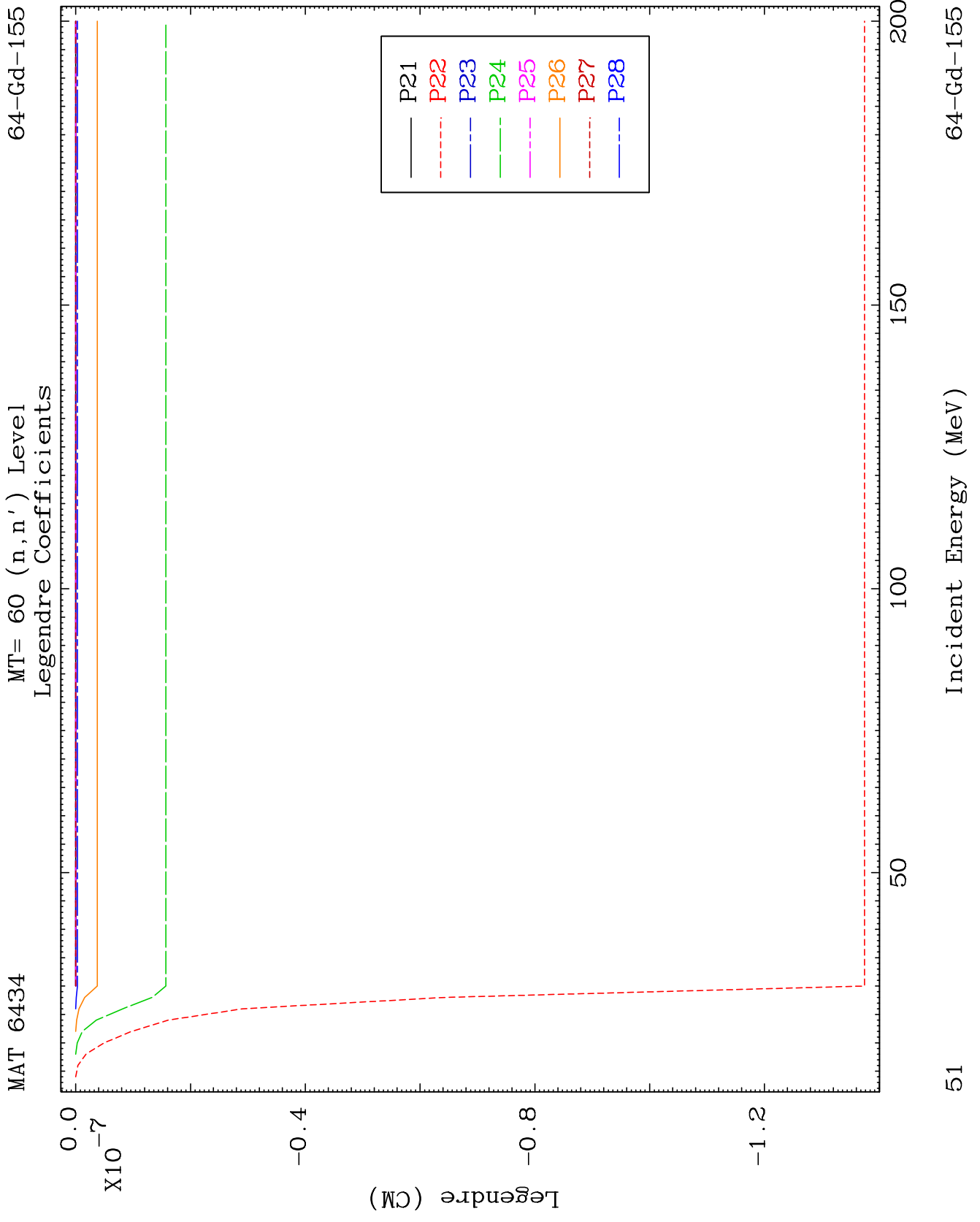


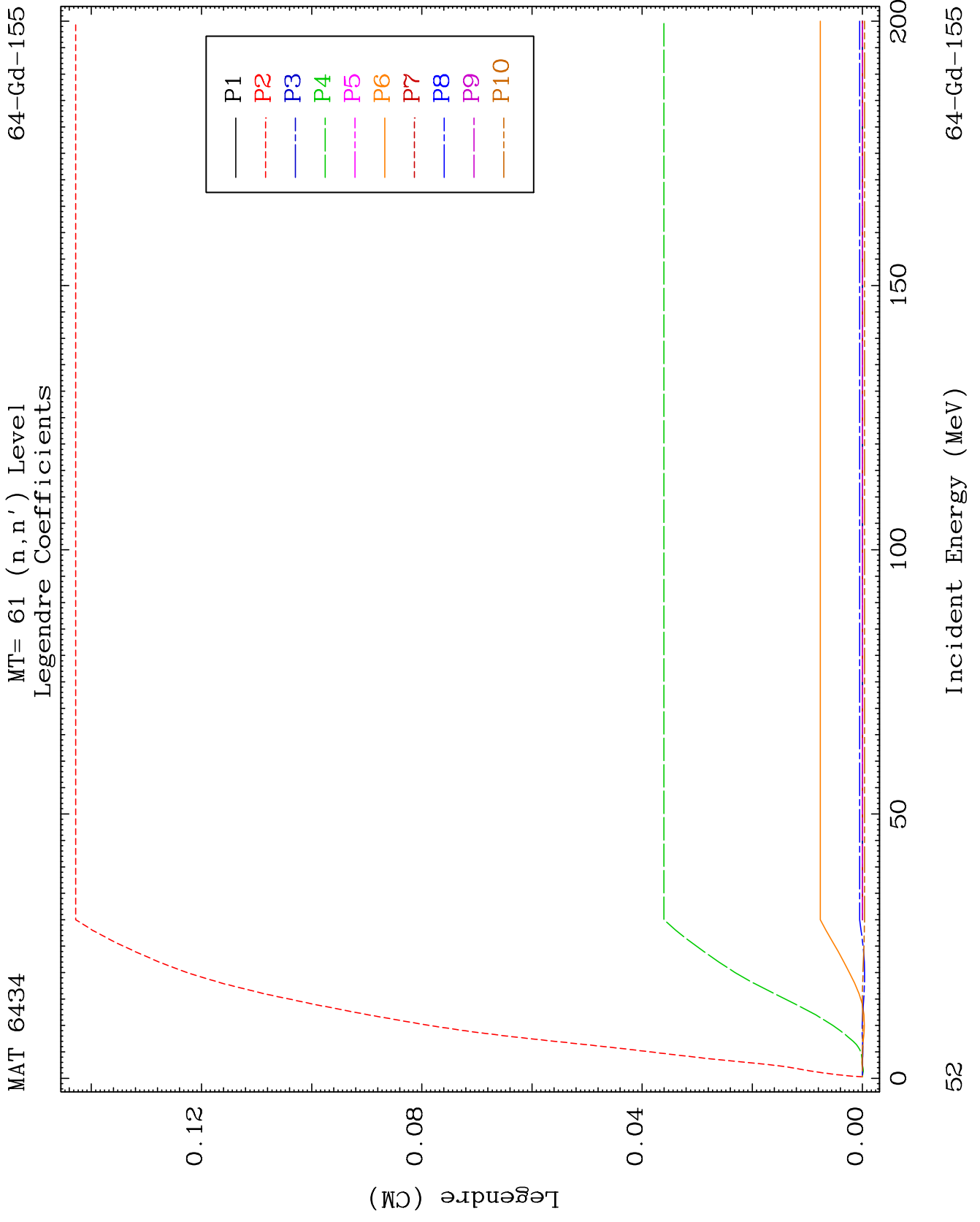
64-Gd-155

Incident Energy (MeV)

49



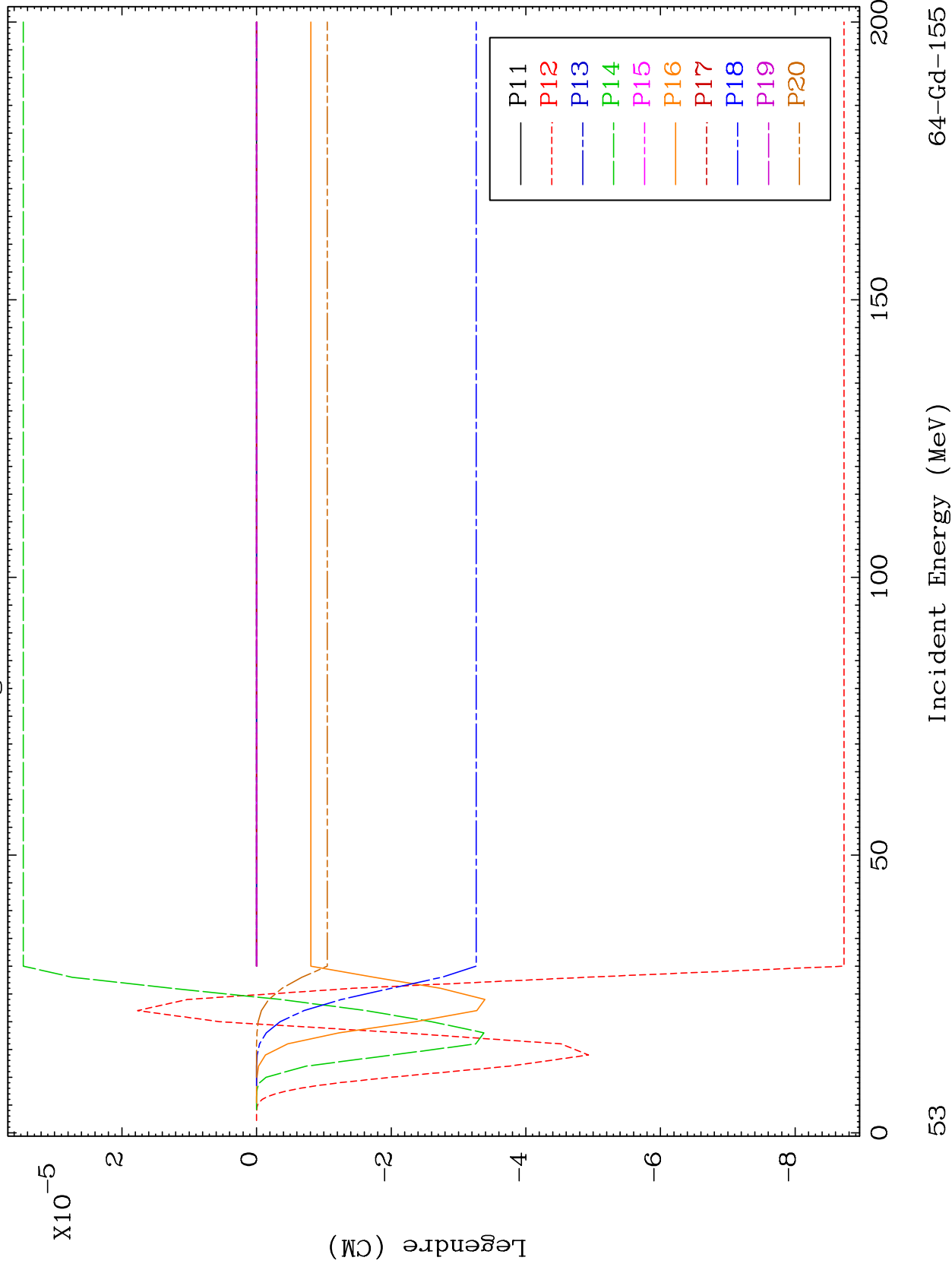




MAT 6434

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

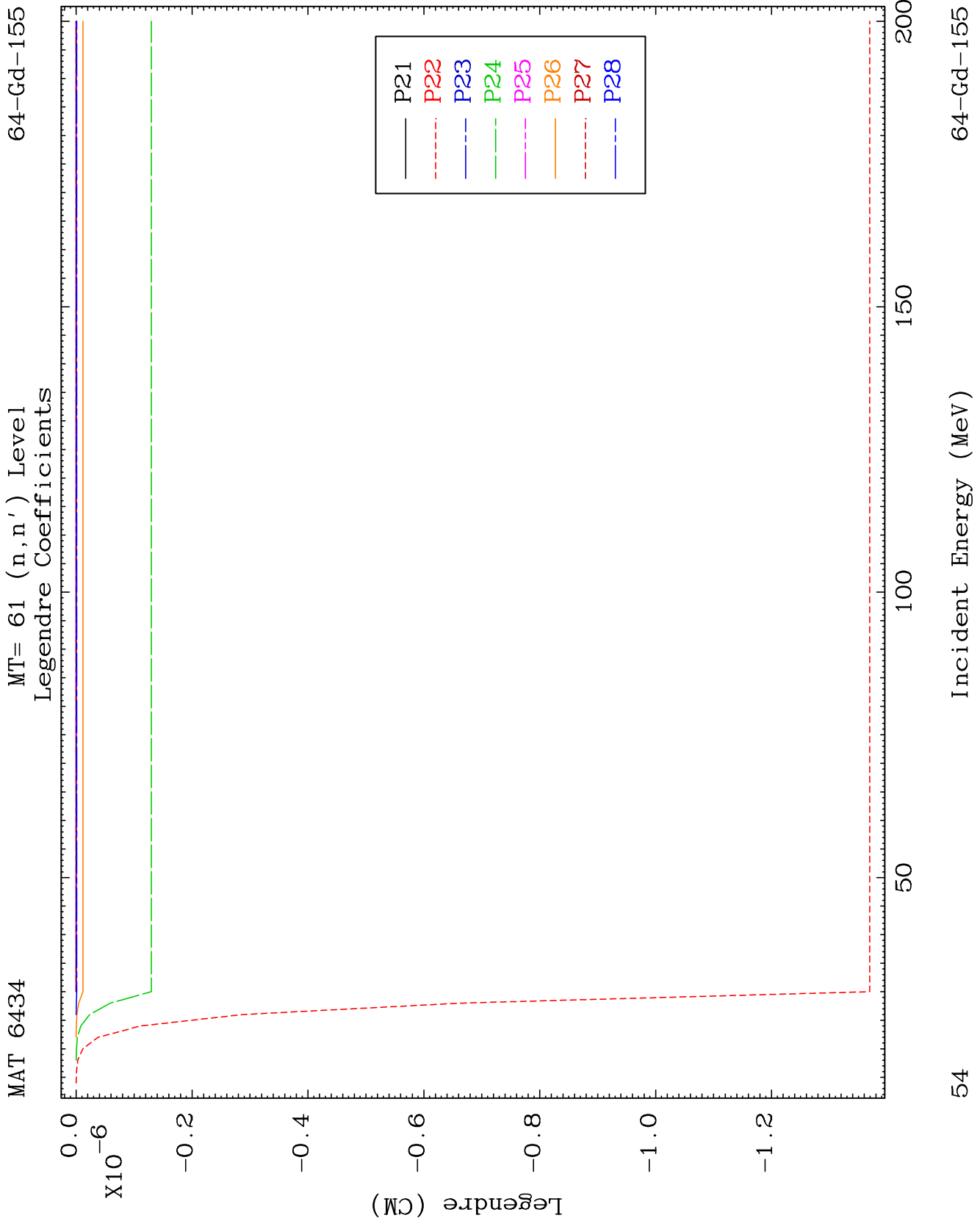
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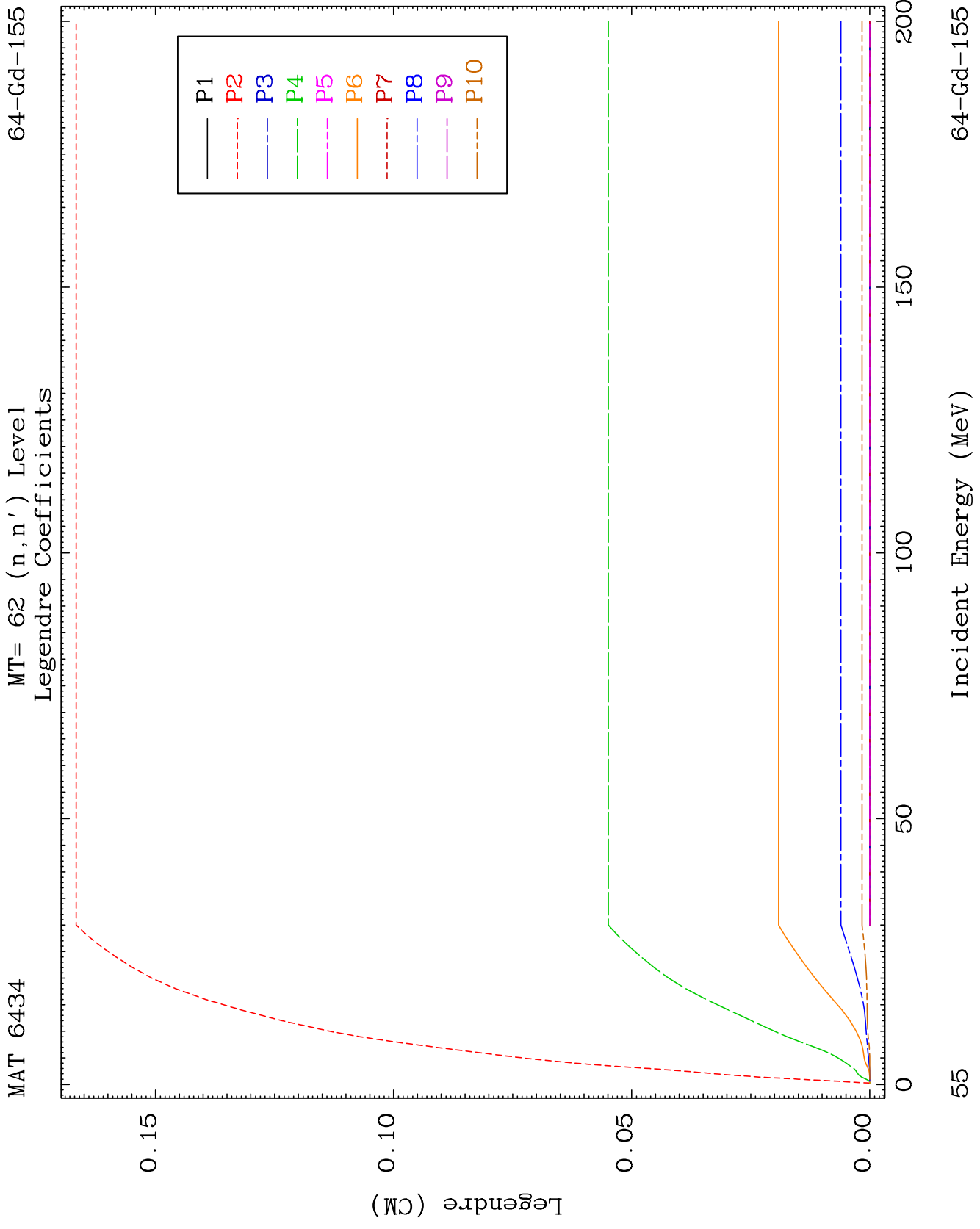


53

Incident Energy (MeV)

64-Gd-155



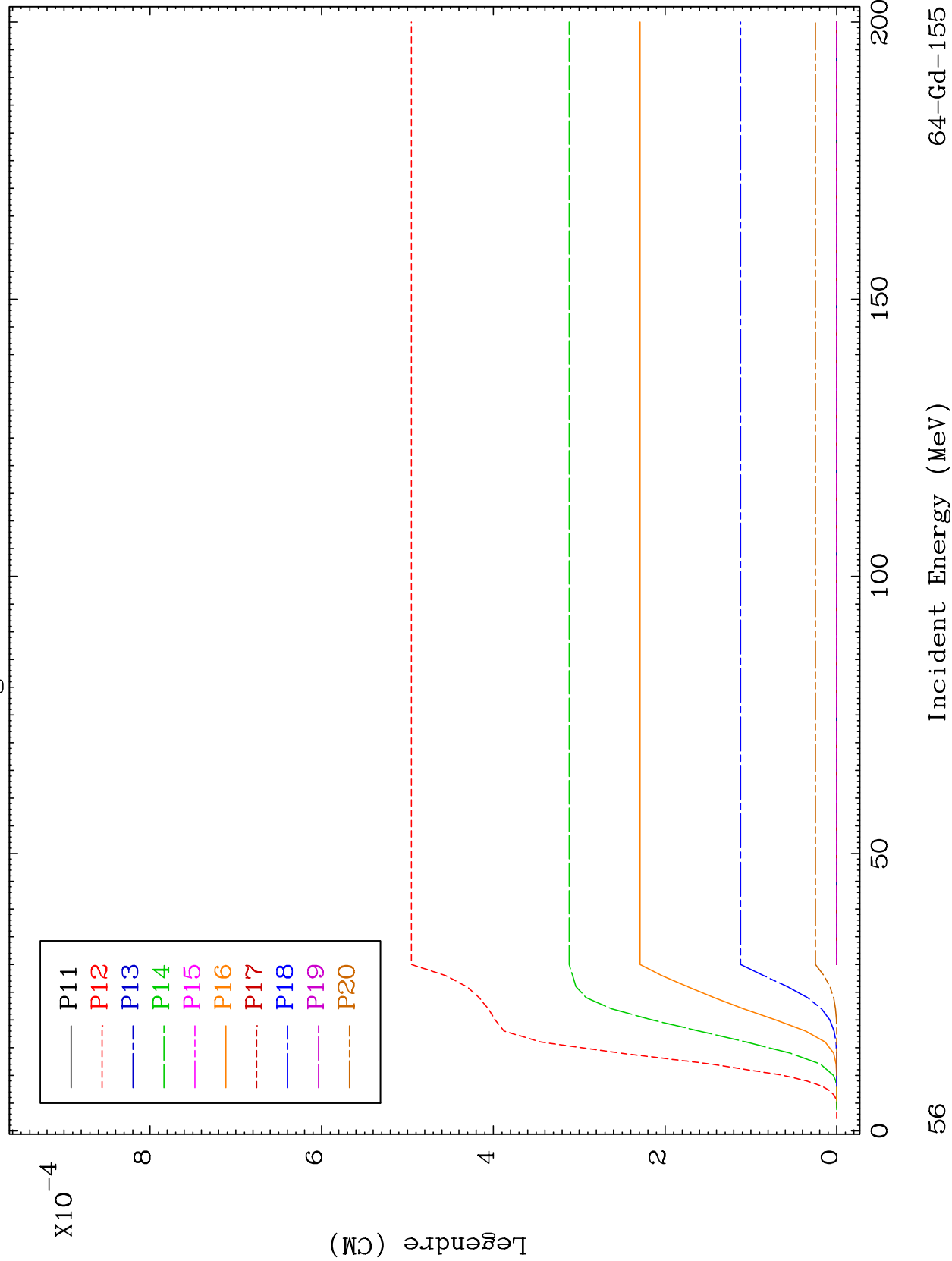




MAT 6434

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

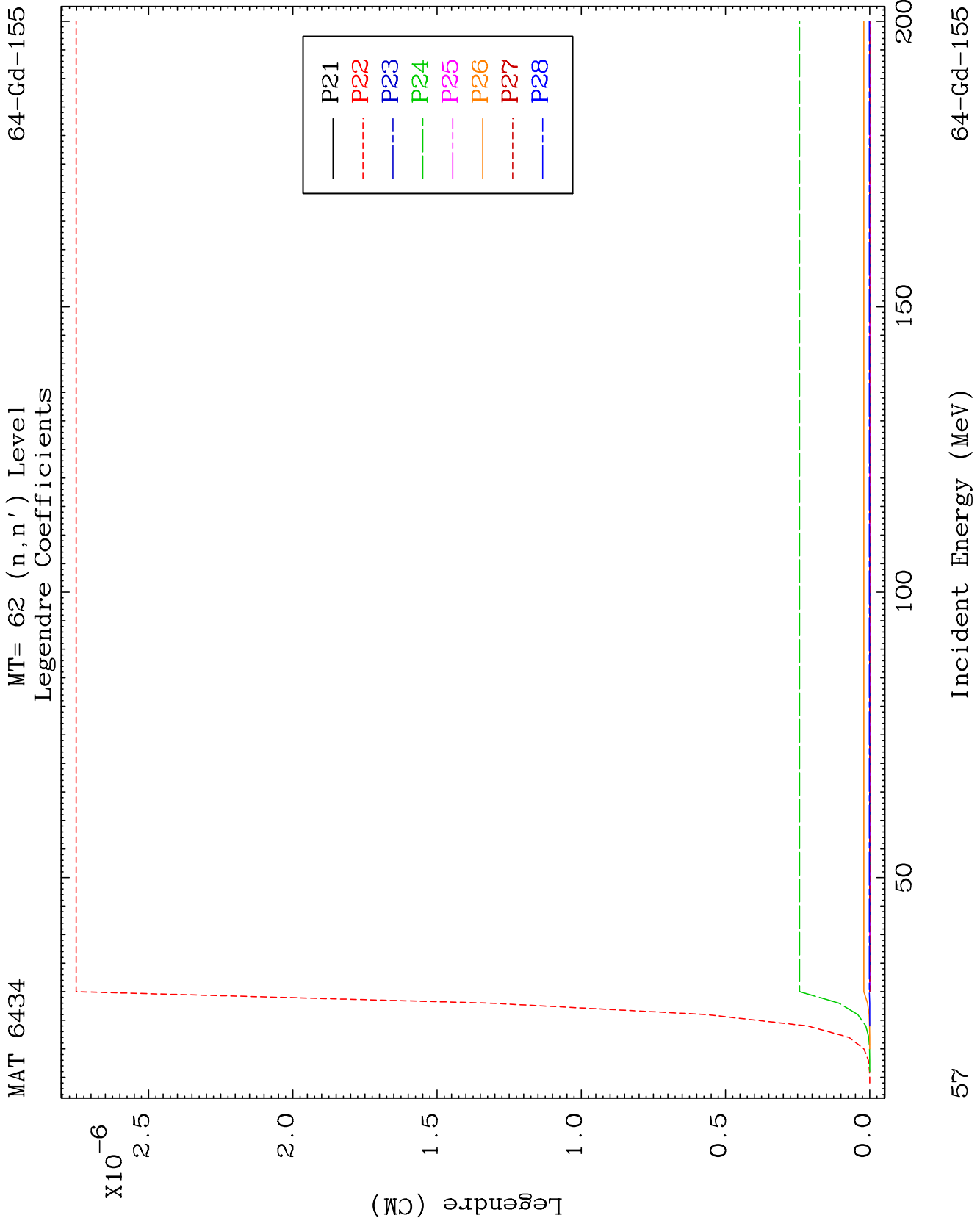
64-Gd-155



64-Gd-155

Incident Energy (MeV)

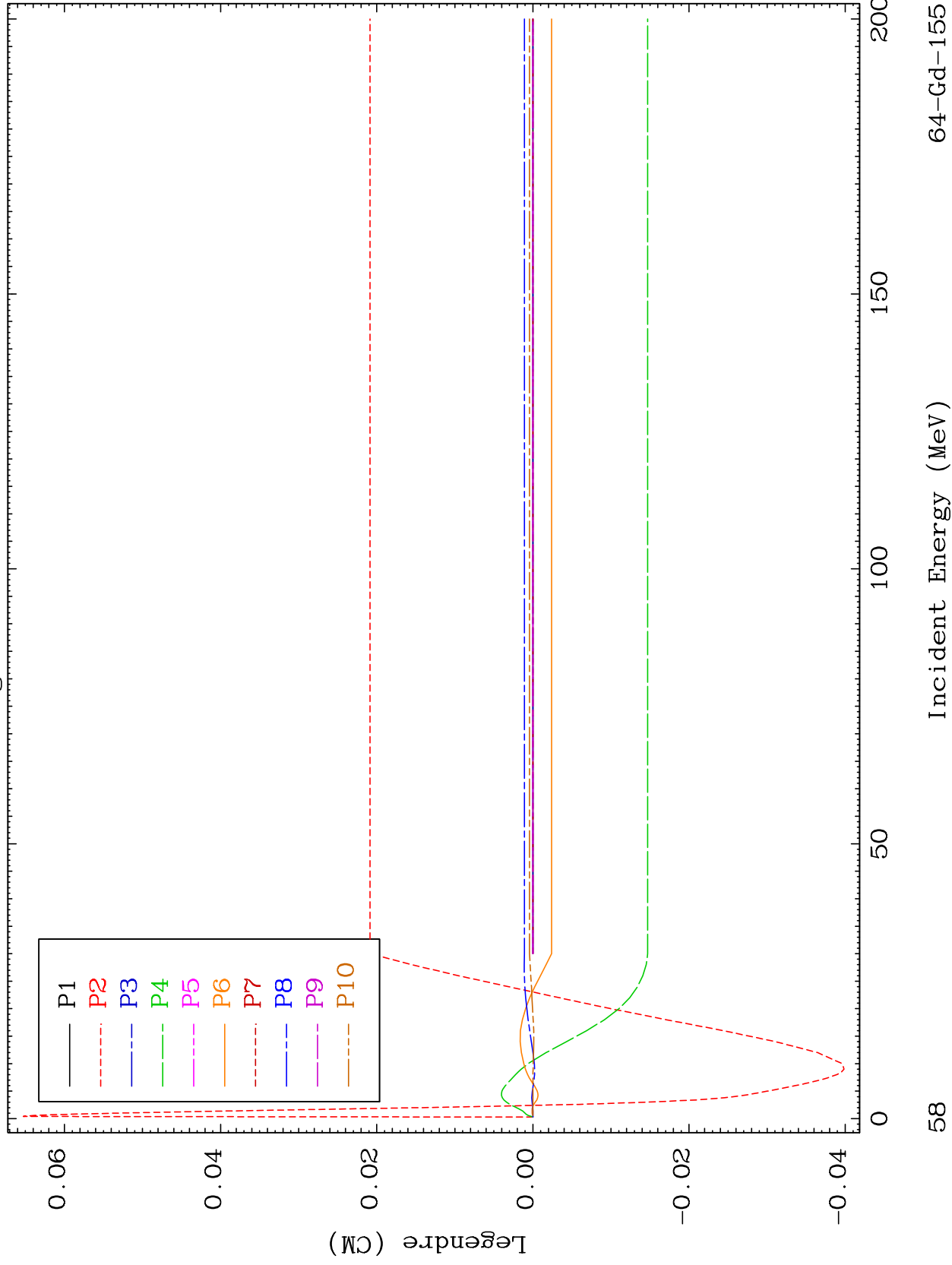
56



MAT 6434

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

64-Gd-155



64-Gd-155

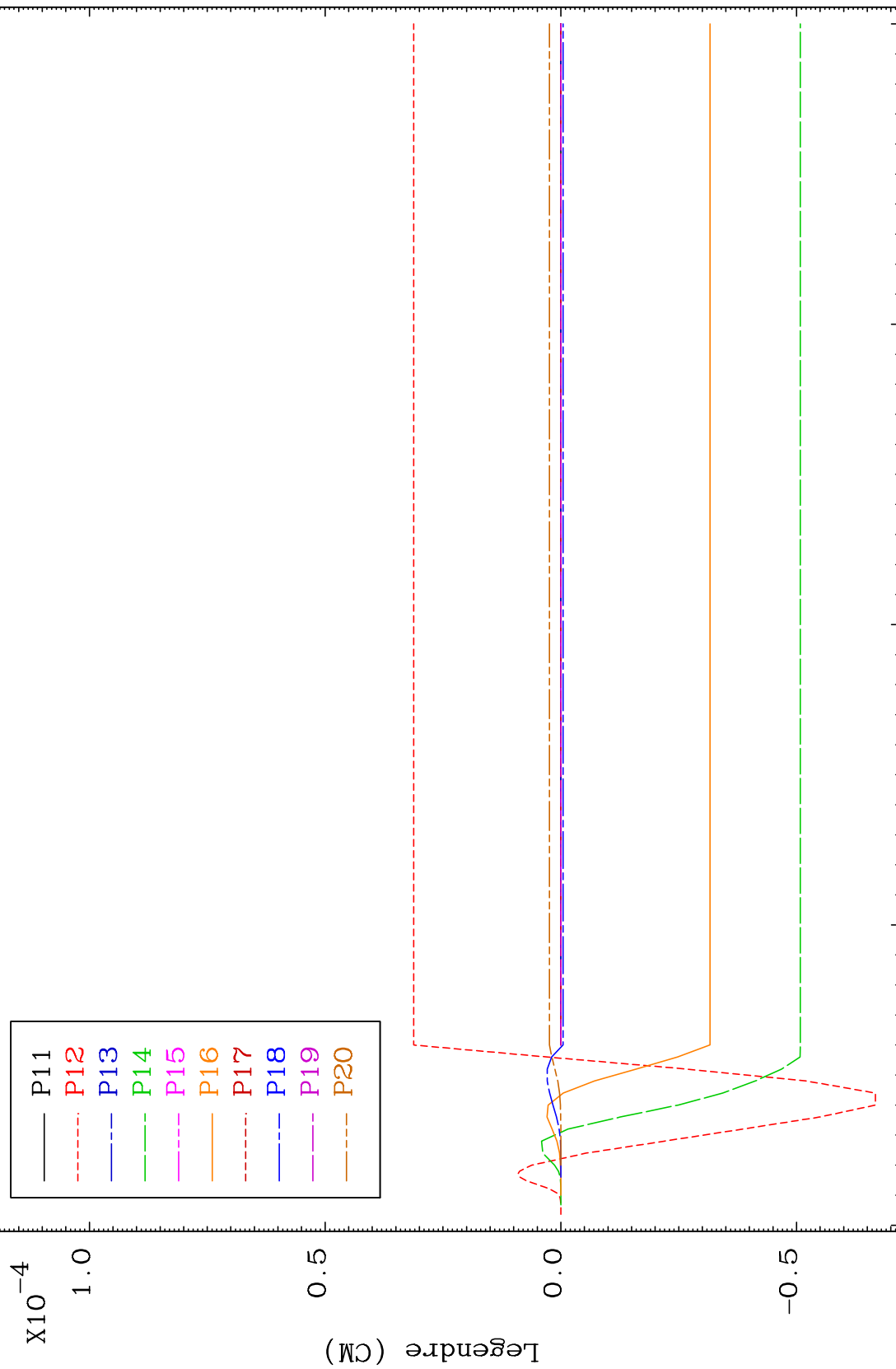
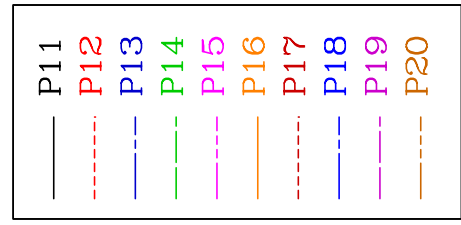
Incident Energy (MeV)

58

MAT 6434

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

64-Gd-155

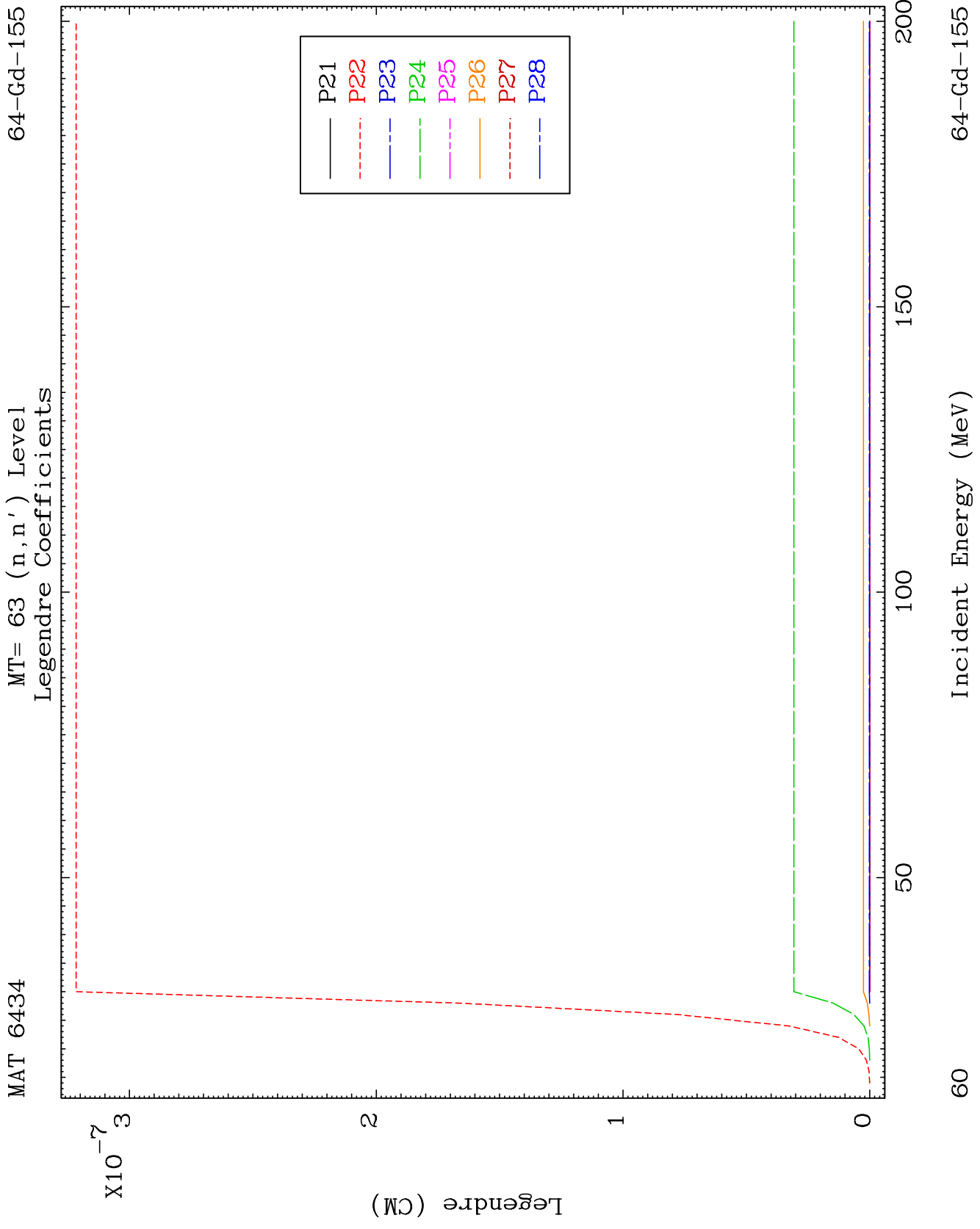


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59

Incident Energy (MeV)

64-Gd-155

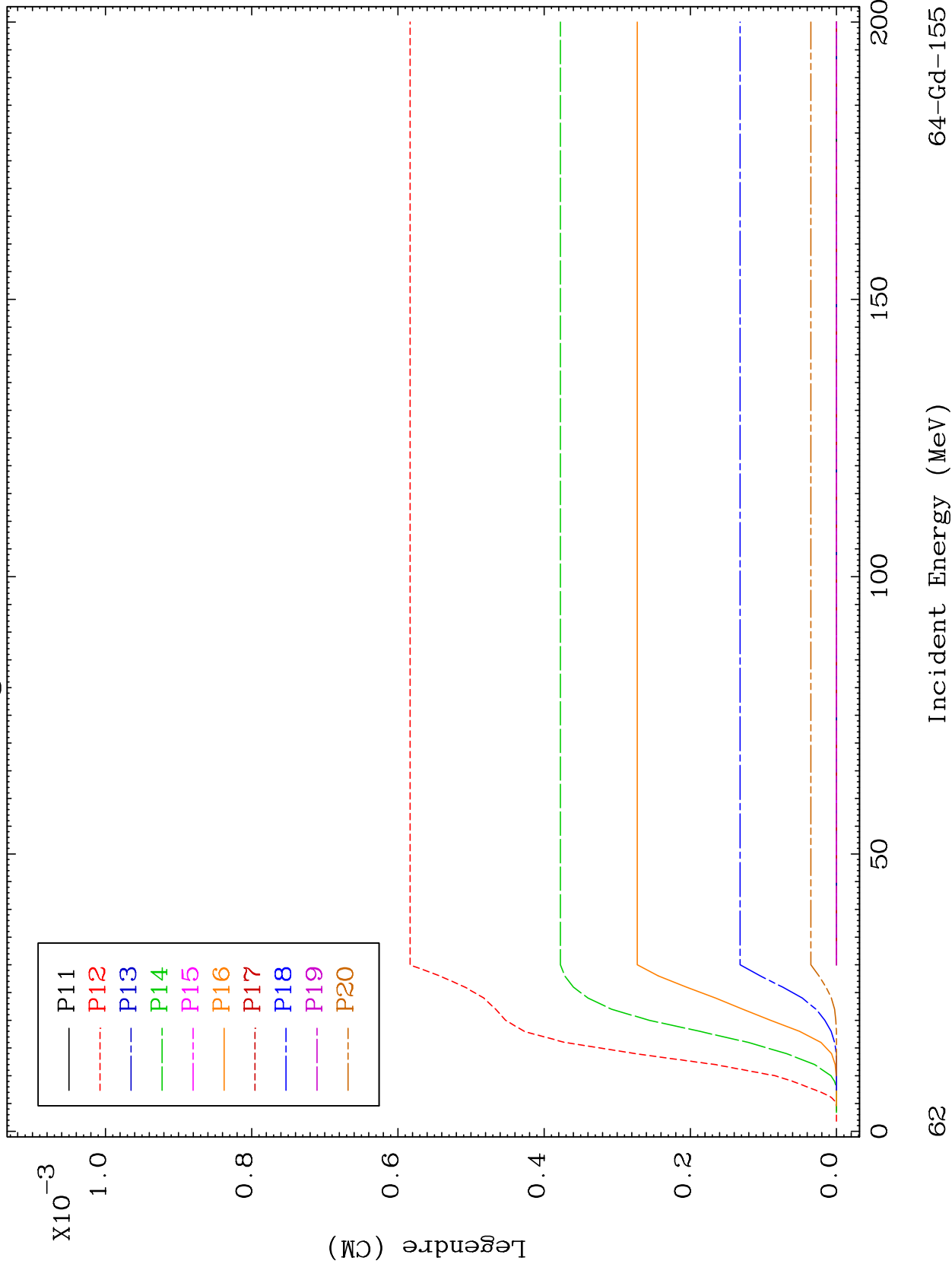




MAT 6434

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

64-Gd-155

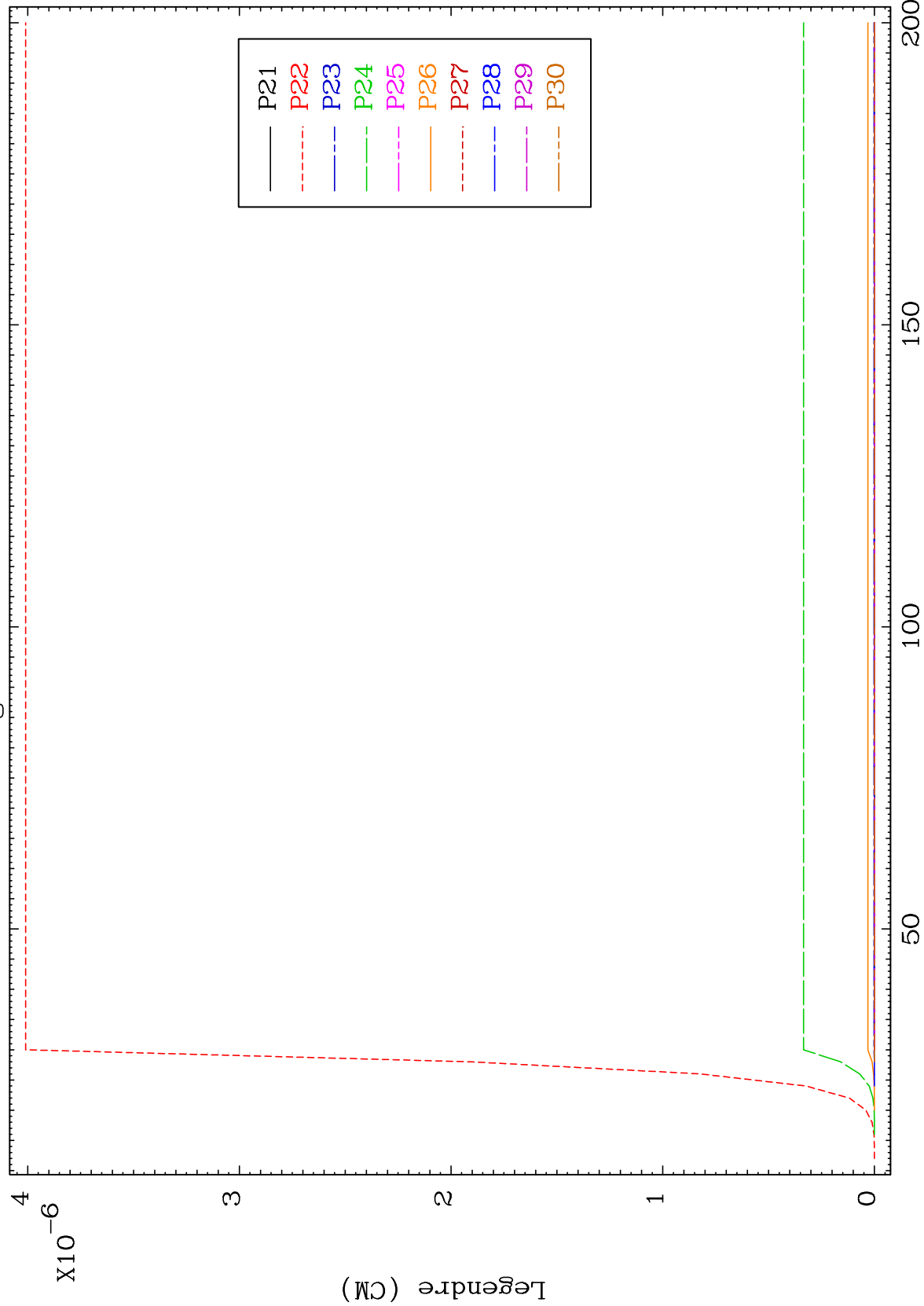


62

MAT 6434

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

64-Gd-155



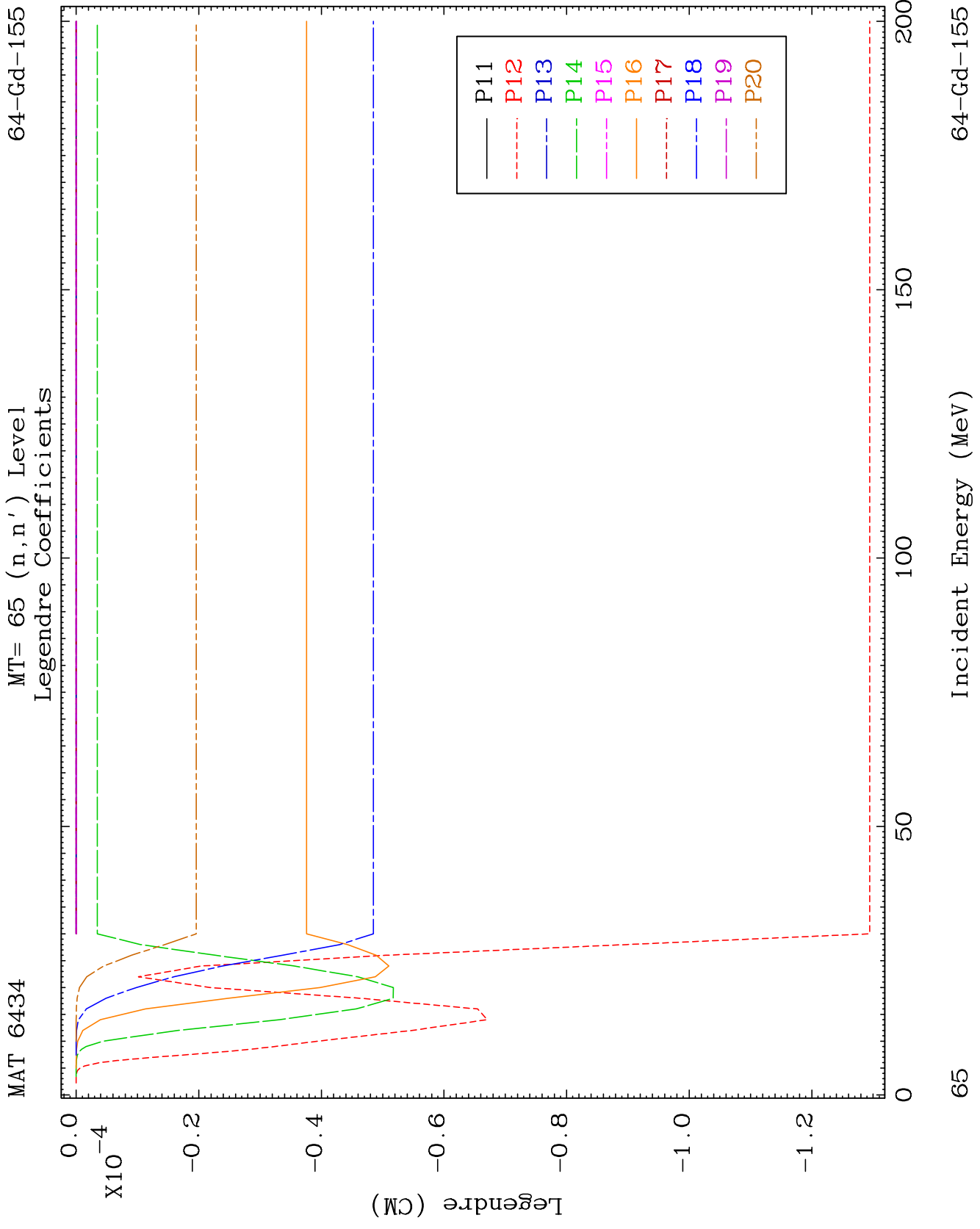
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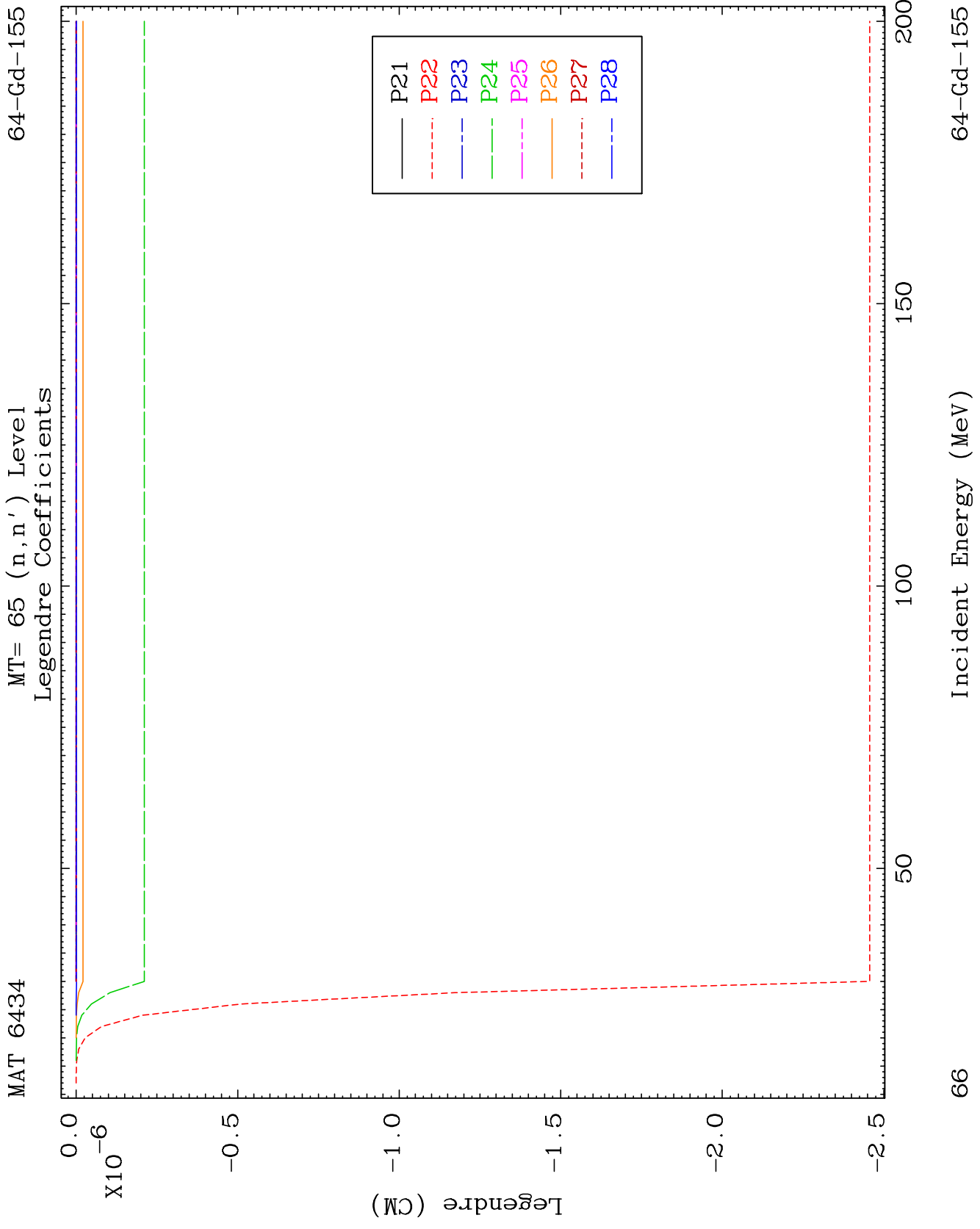
Incident Energy (MeV)

63







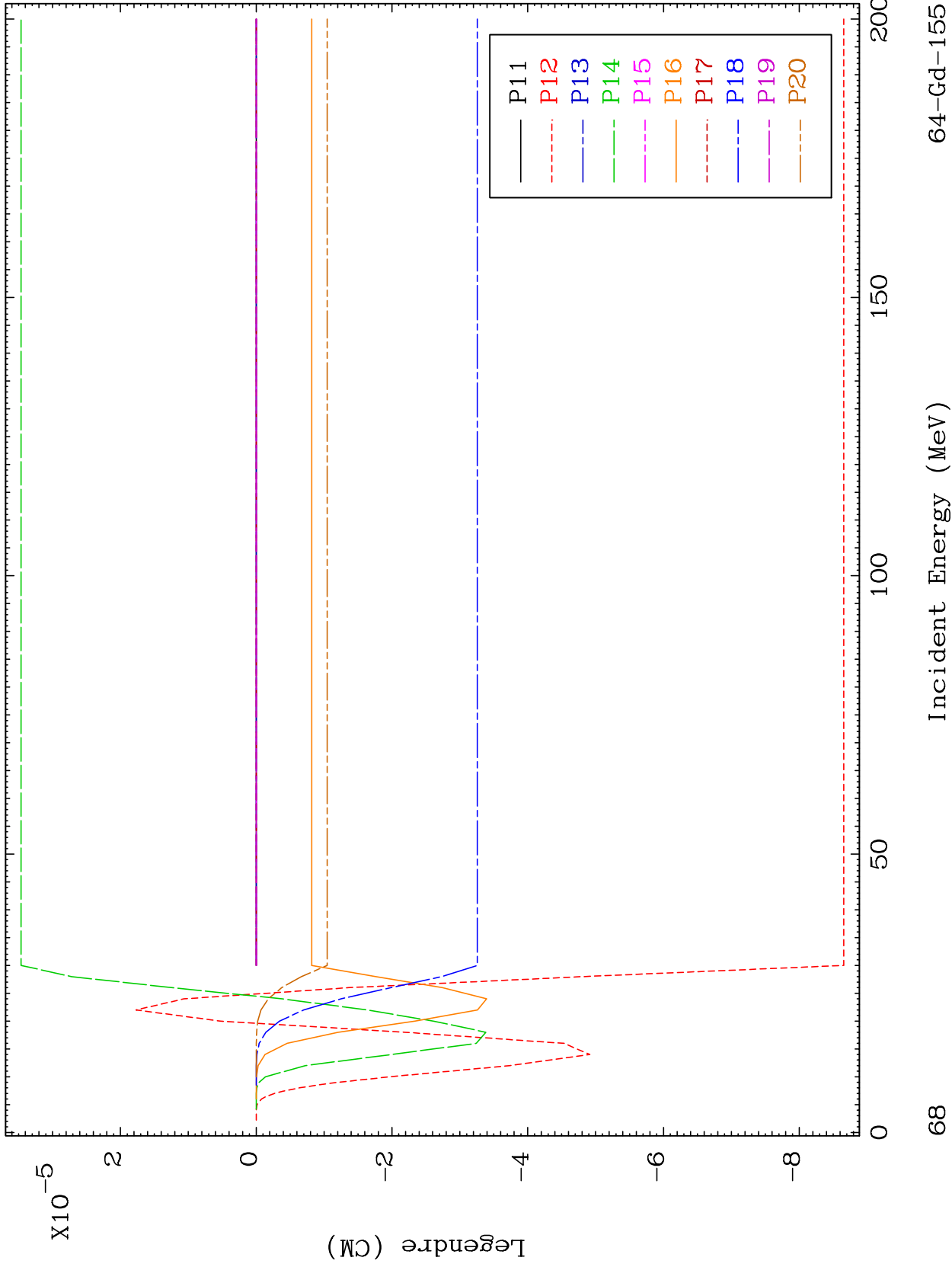




MAT 6434

MT= 66 (n,n') Level  
Legendre Coefficients

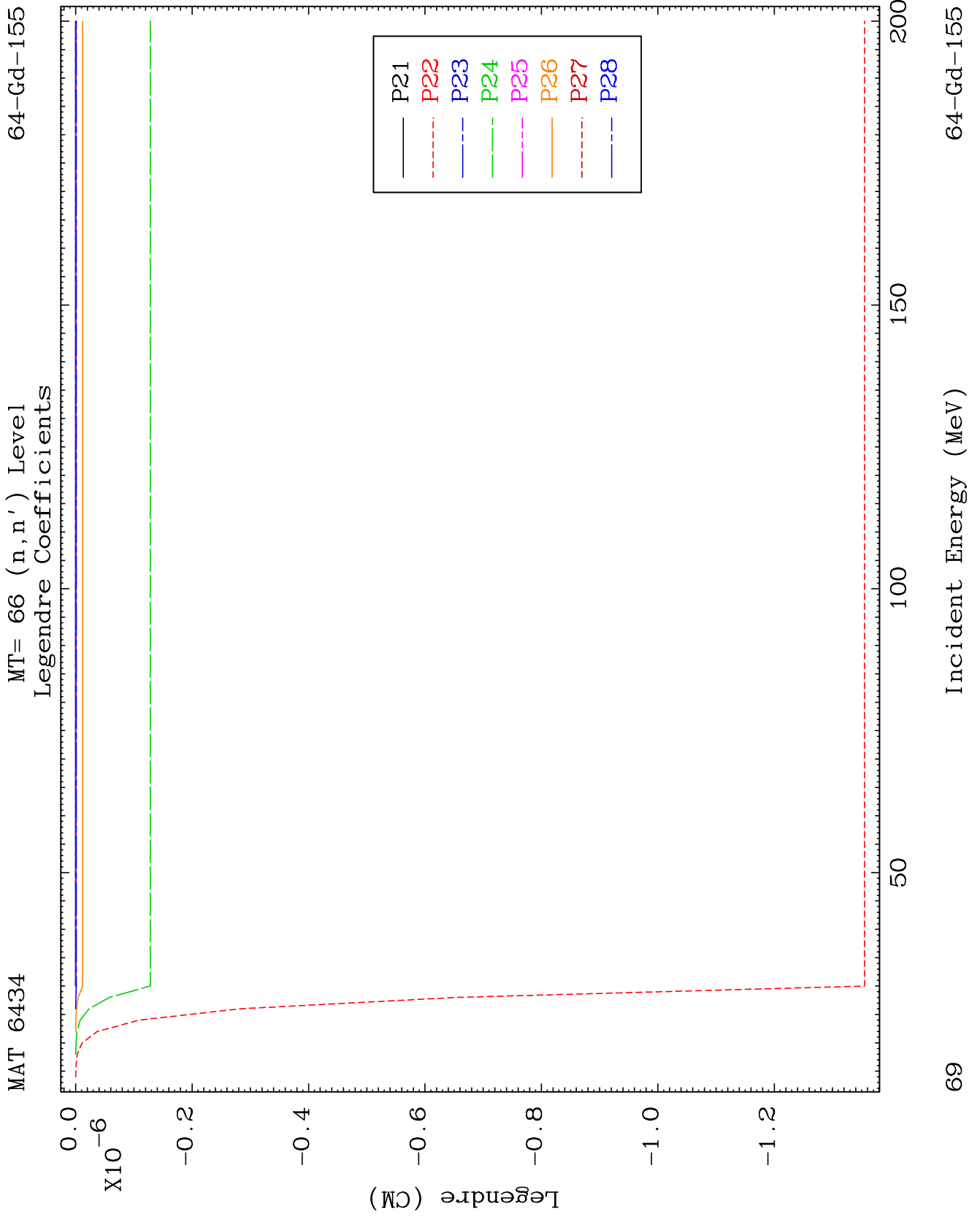
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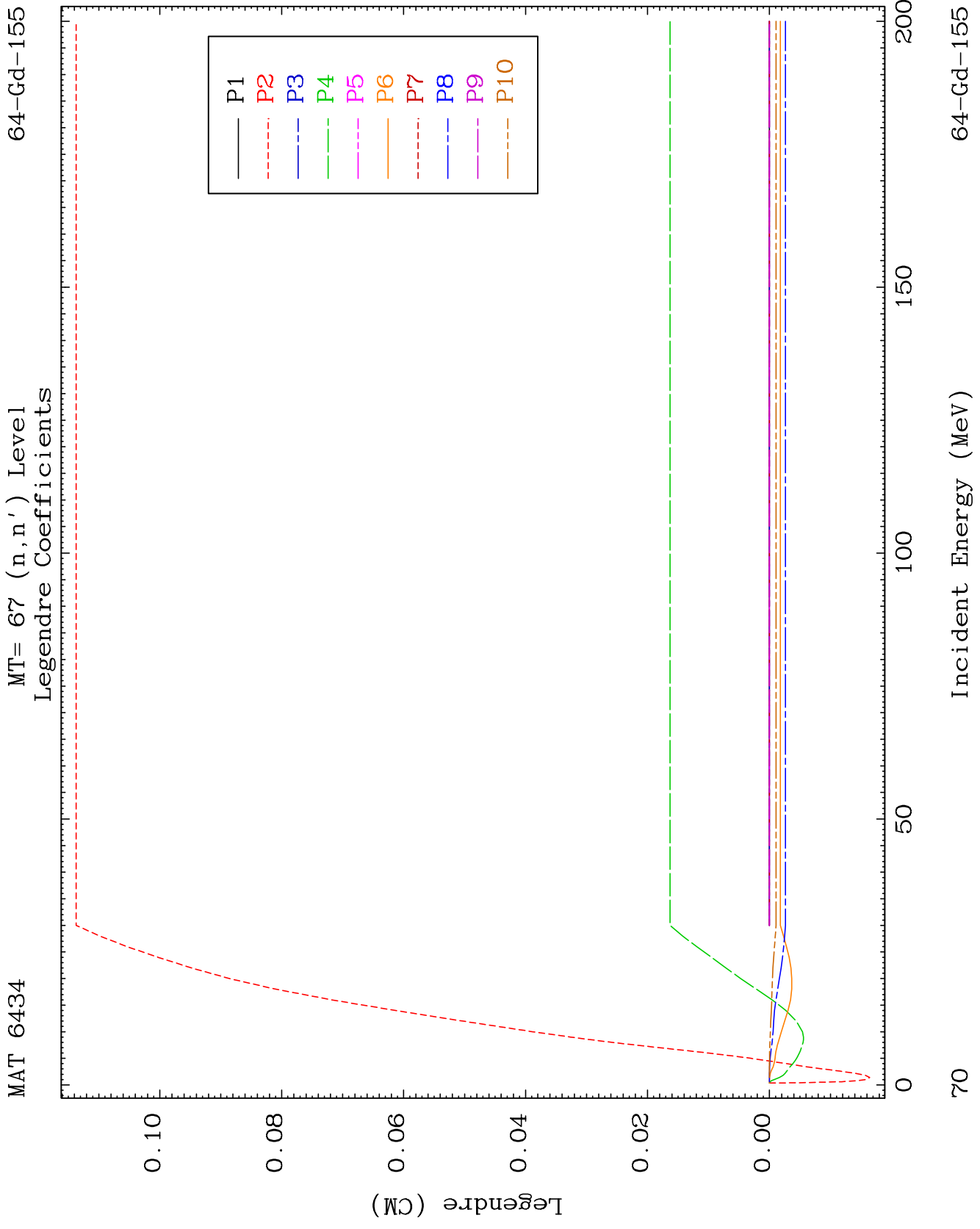


68

Incident Energy (MeV)

64-Gd-155



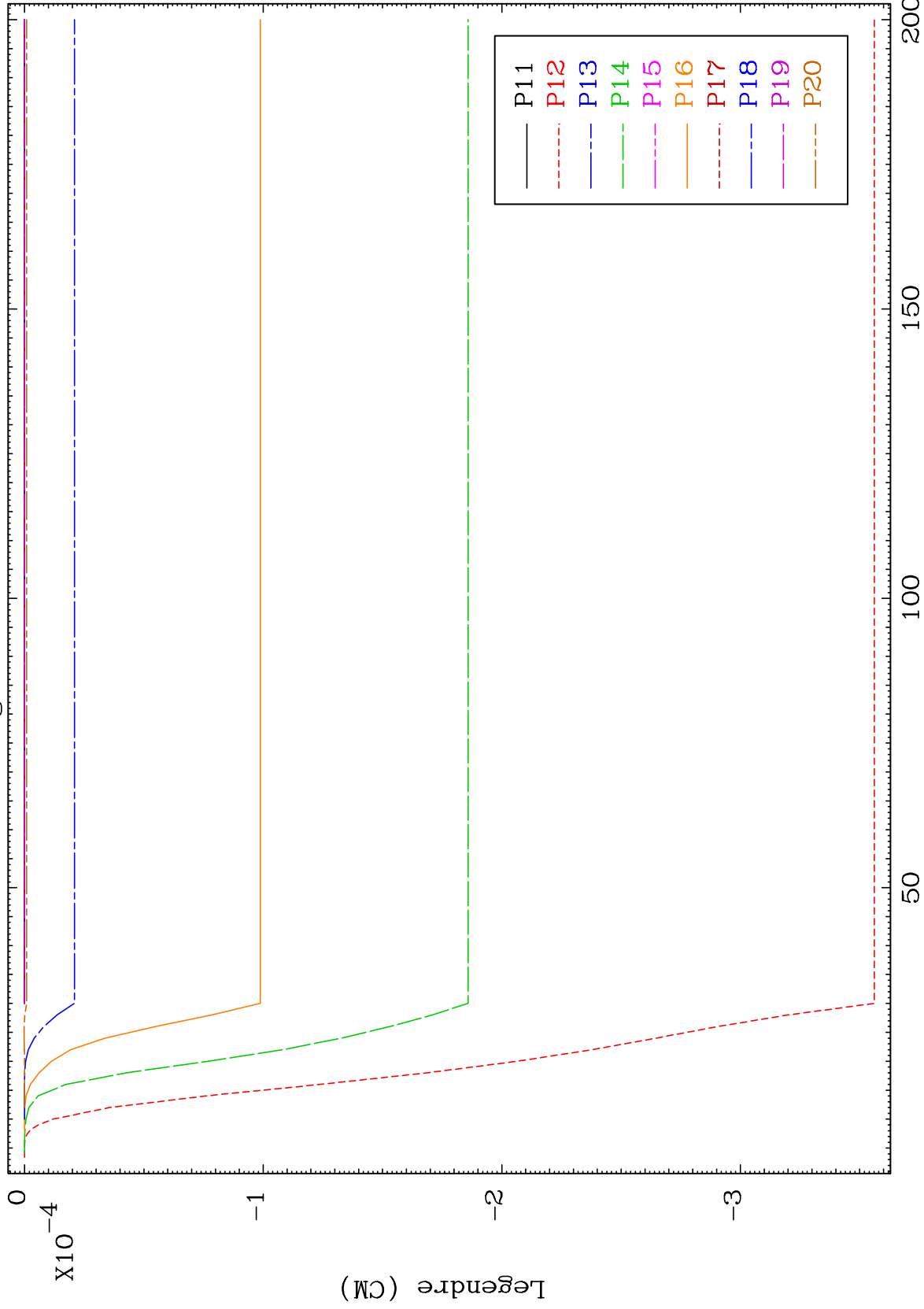


MAT 6434

MT= 67 (n,n') Level

64-Gd-155

Legendre Coefficients

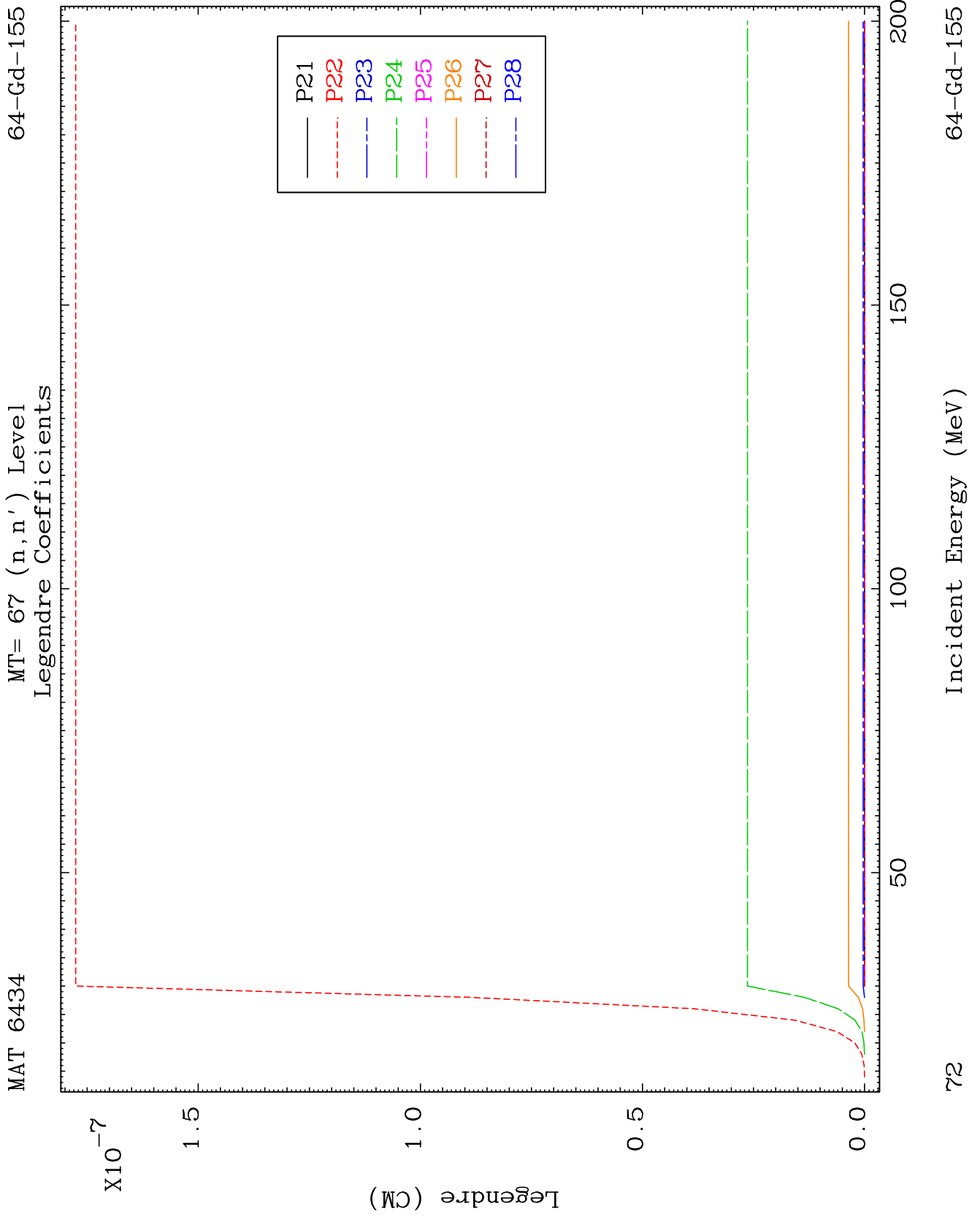


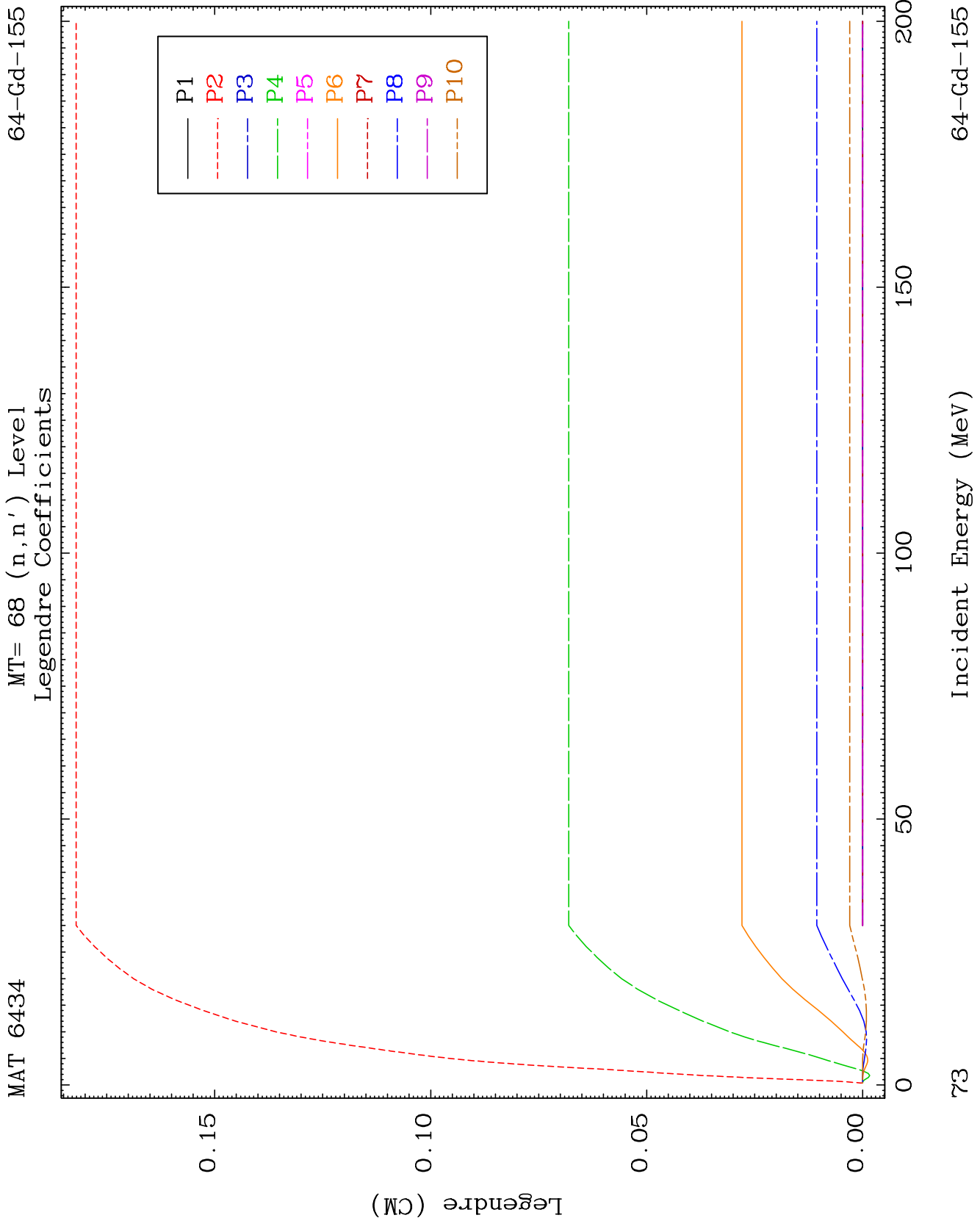
71

Incident Energy (MeV)

64-Gd-155



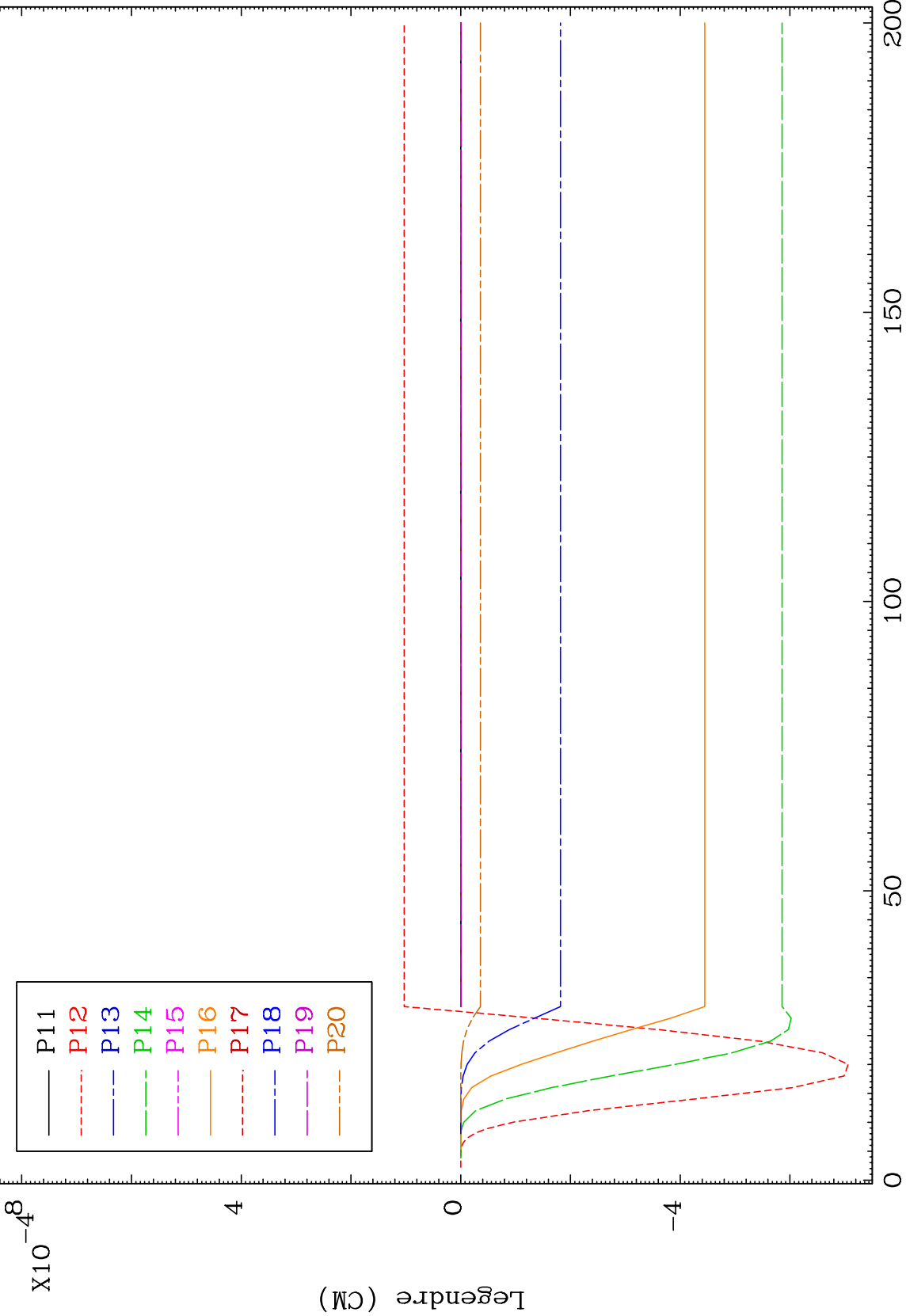




MAT 6434

MT= 68 (n,n') Level  
Legendre Coefficients

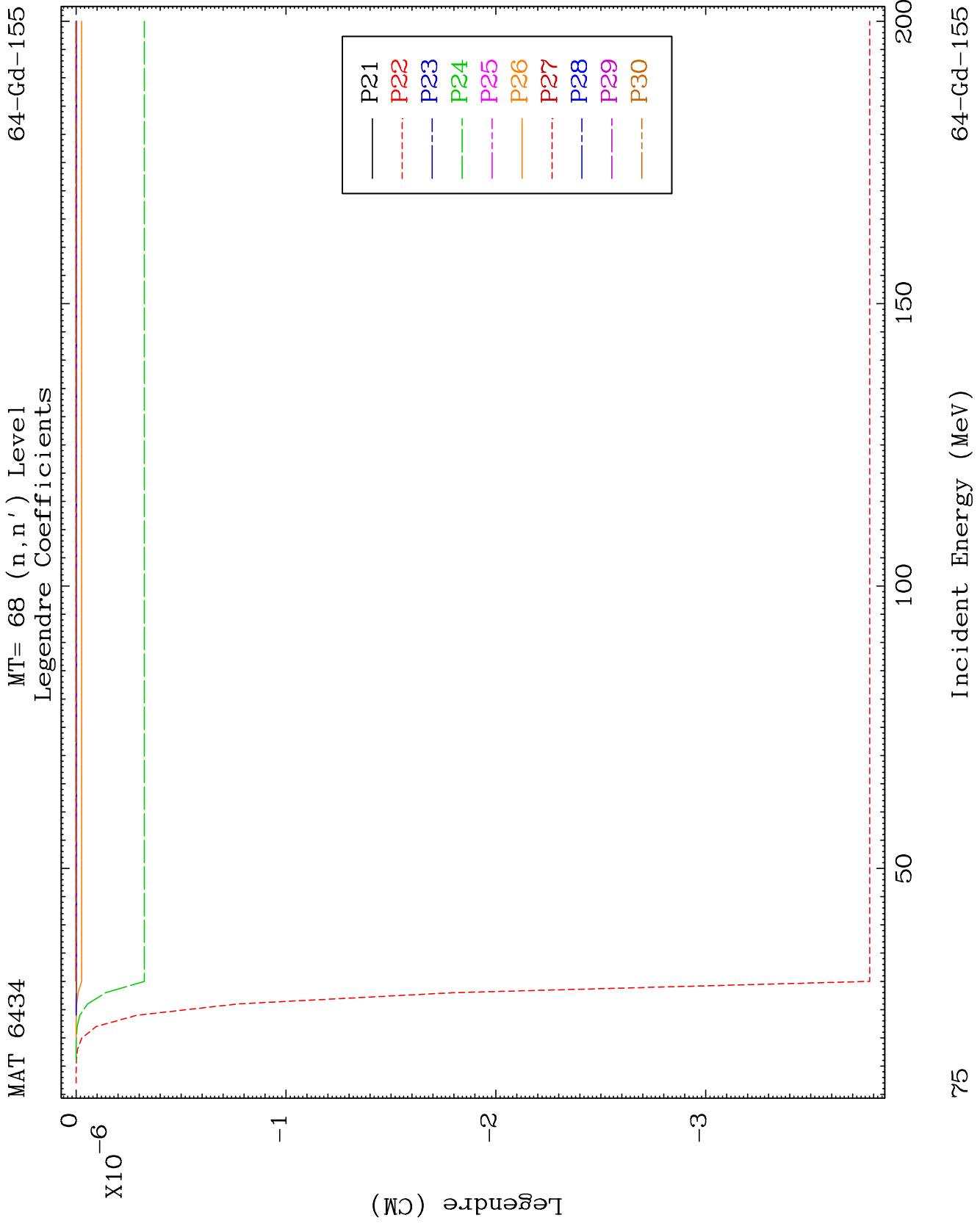
64-Gd-155

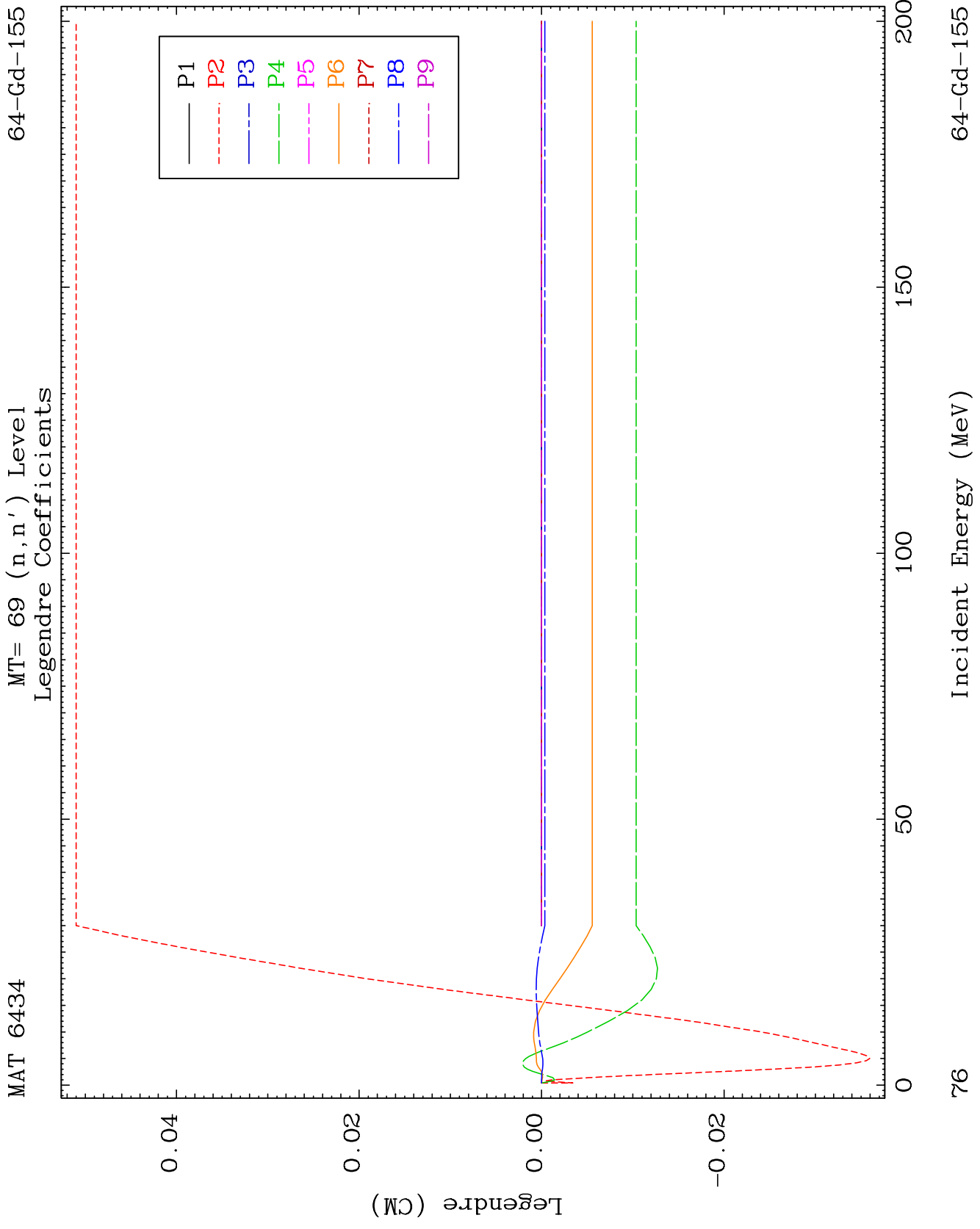


74

Incident Energy (MeV)

64-Gd-155

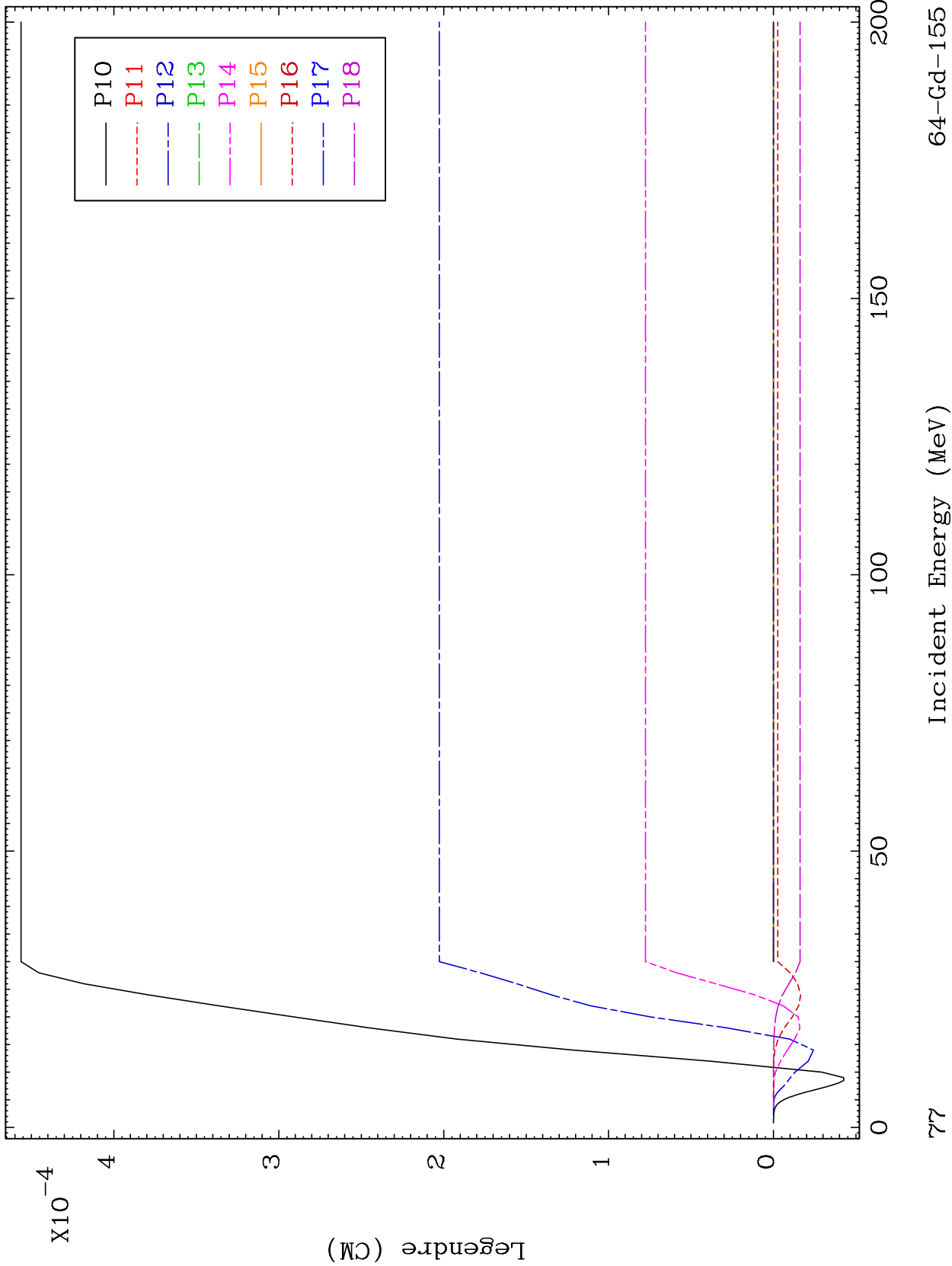




MAT 6434

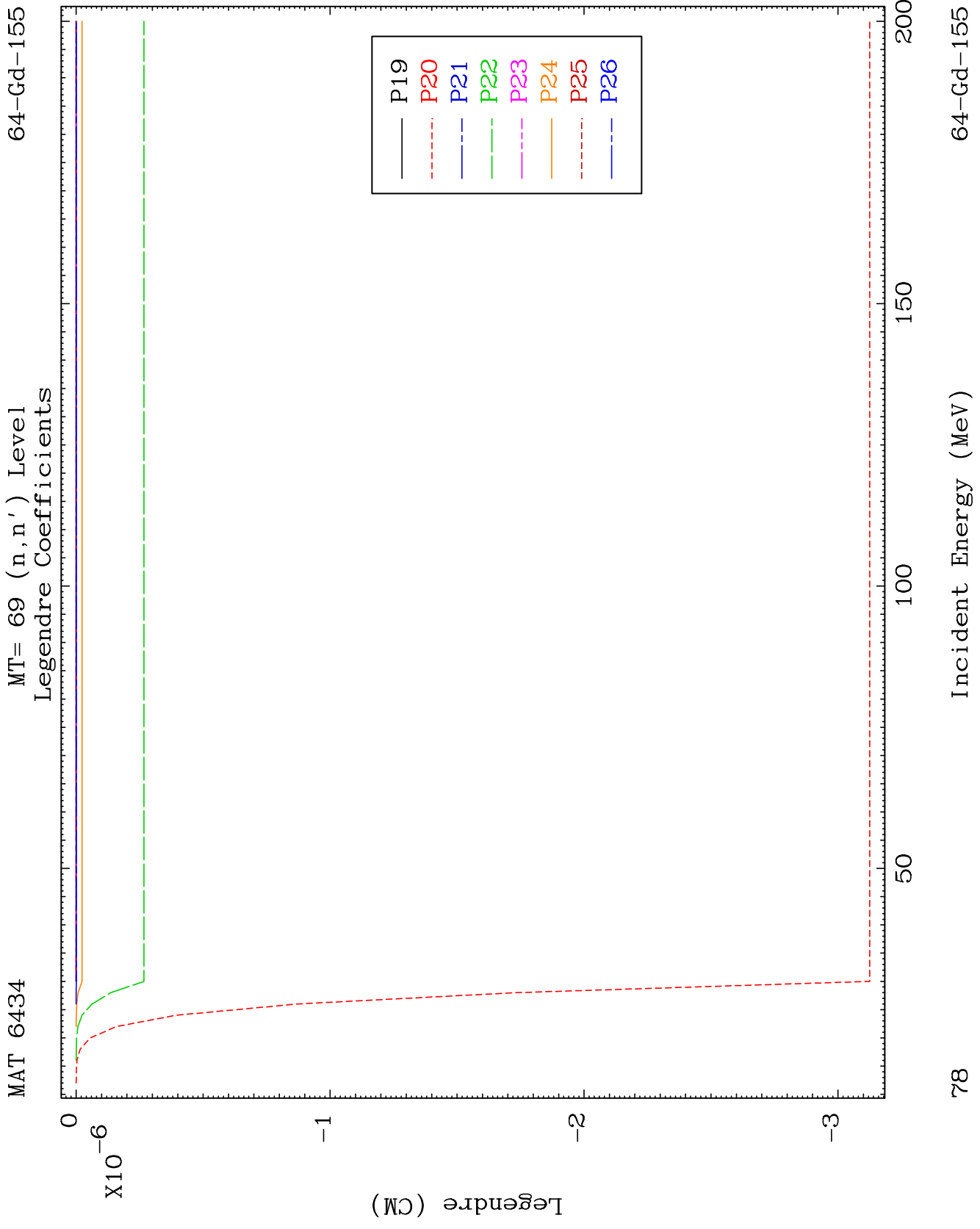
MT= 69 (n,n') Level  
Legendre Coefficients

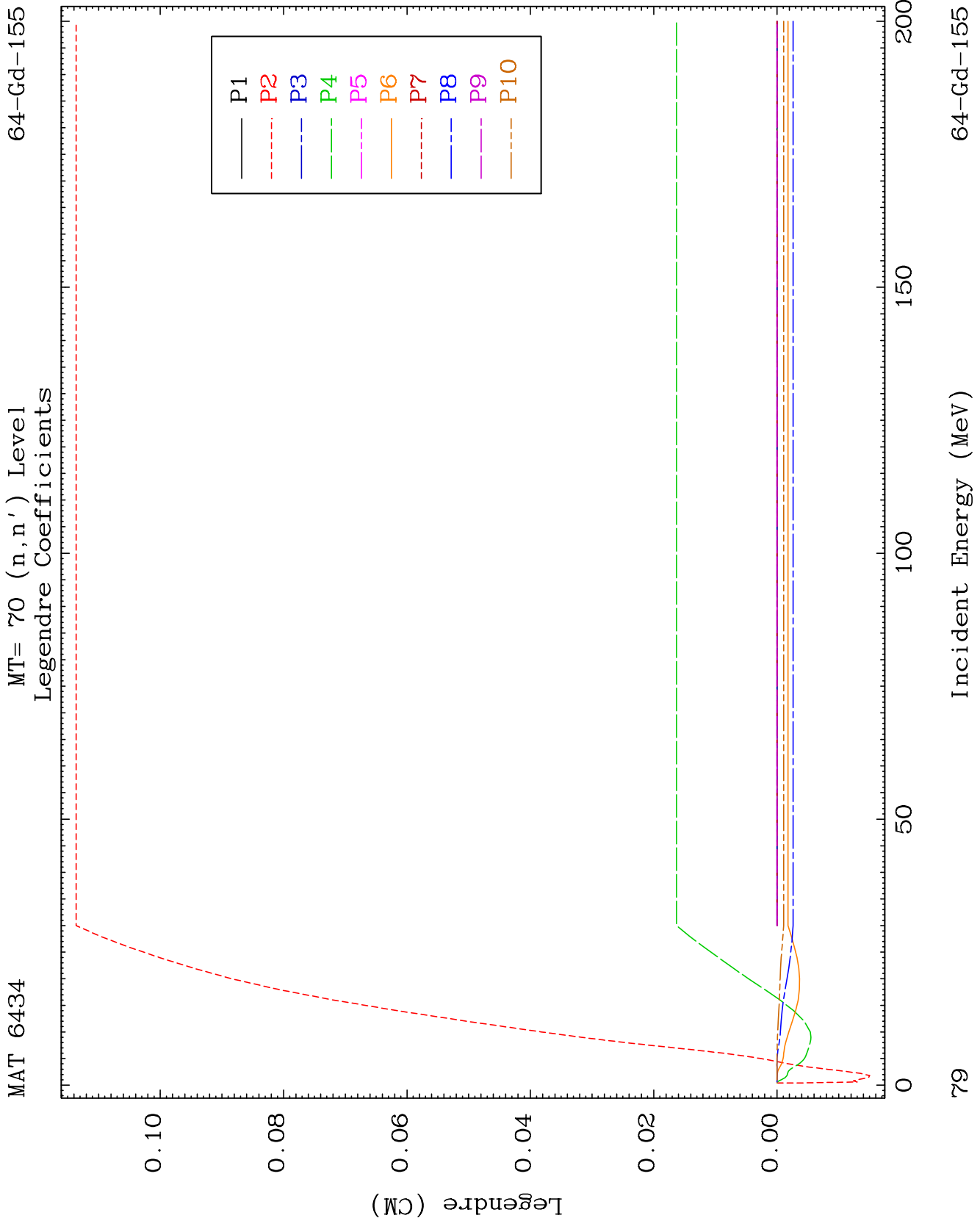
64-Gd-155



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64-Gd-155



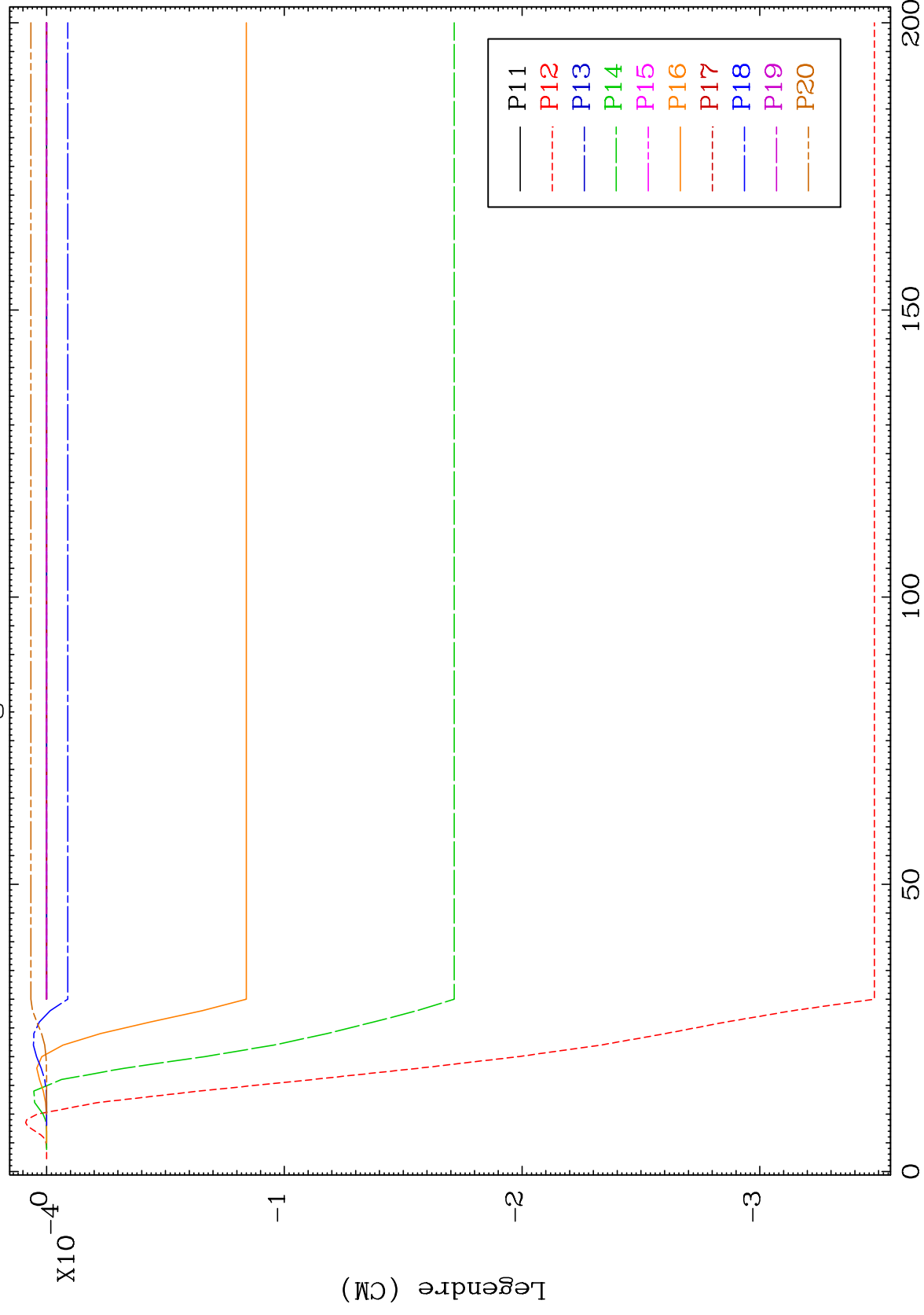




MAT 6434

MT= 70 (n,n') Level  
Legendre Coefficients

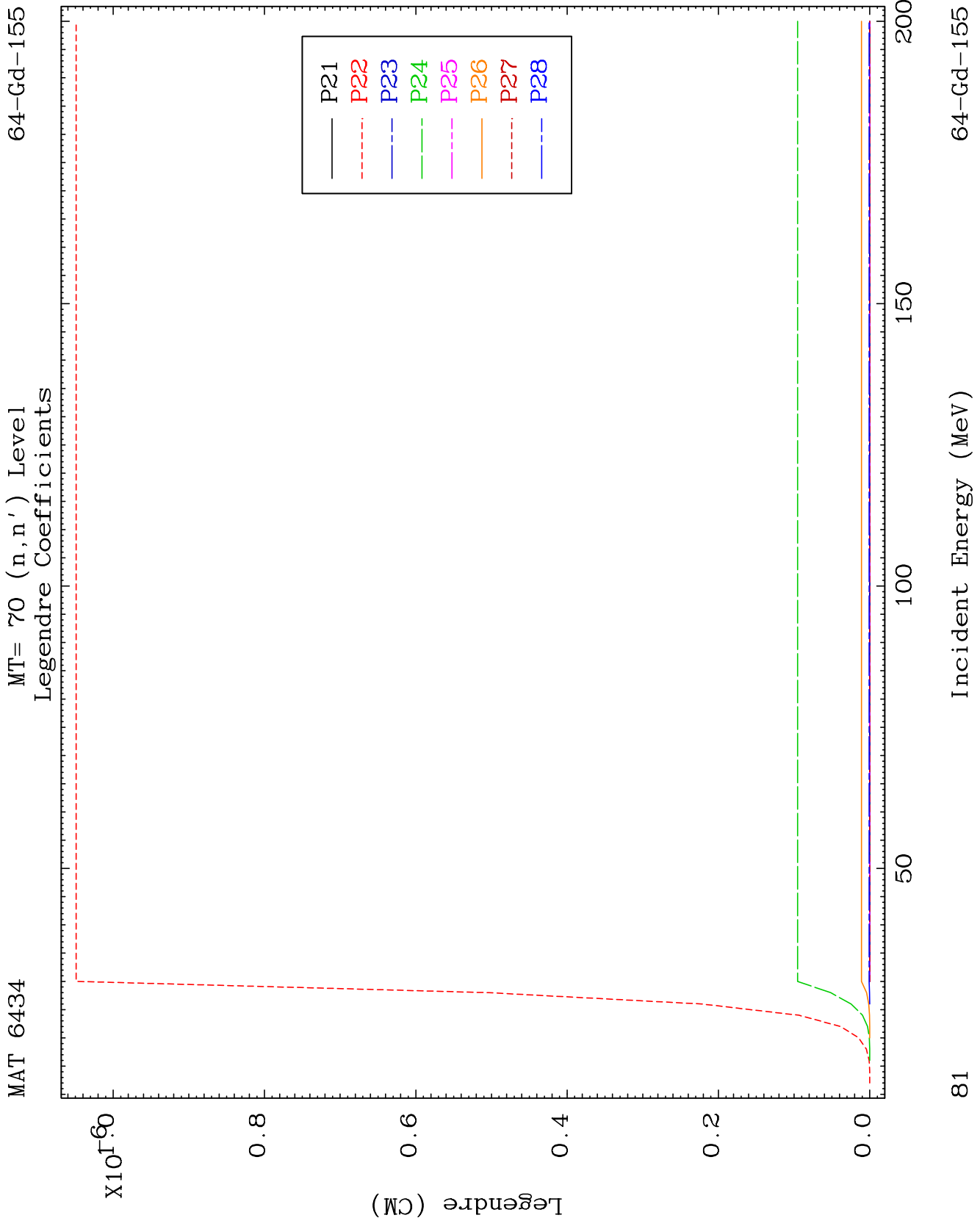
64-Gd-155

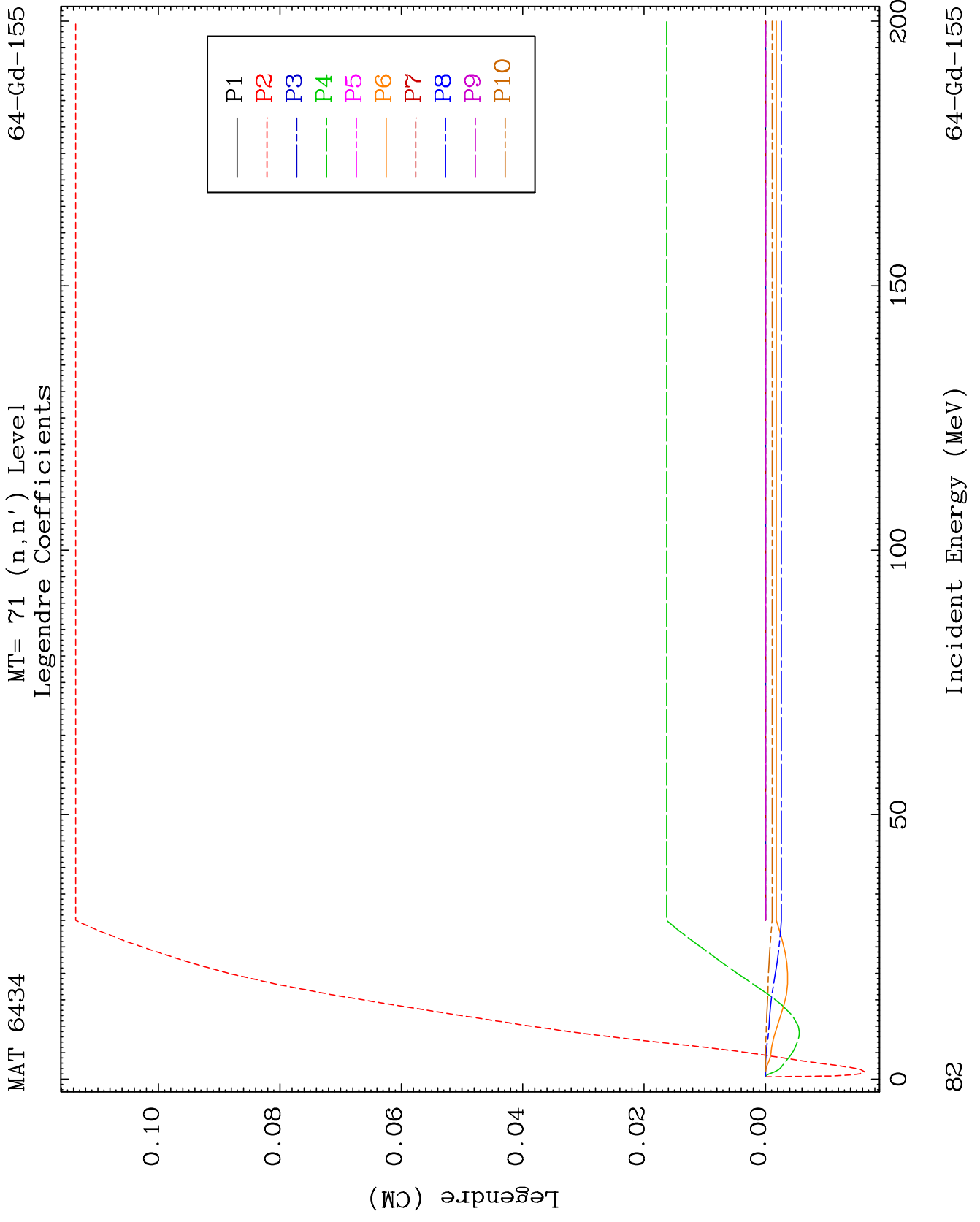


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Incident Energy (MeV)

64-Gd-155



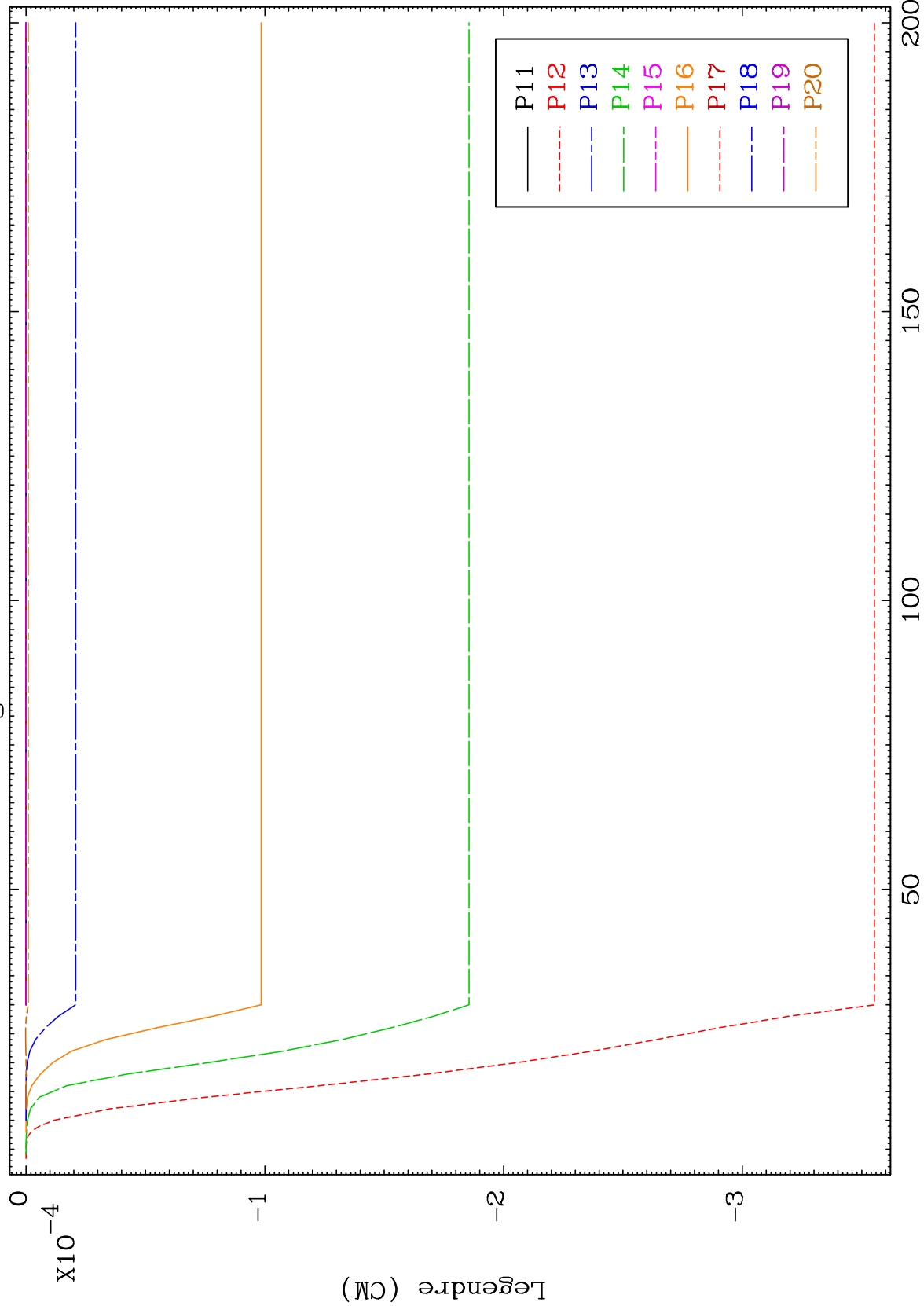


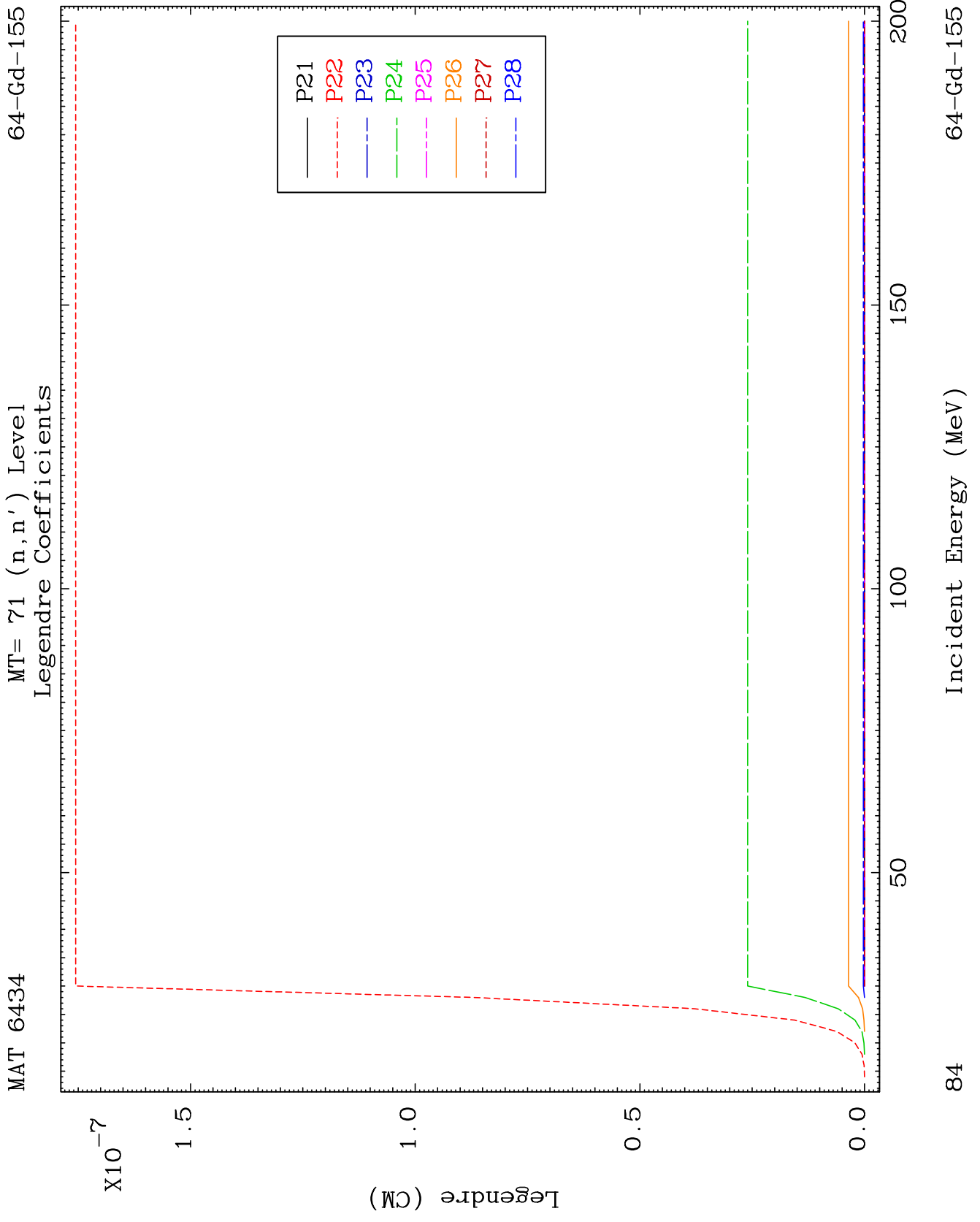
MAT 6434

MT= 71 (n,n') Level

64-Gd-155

Legendre Coefficients

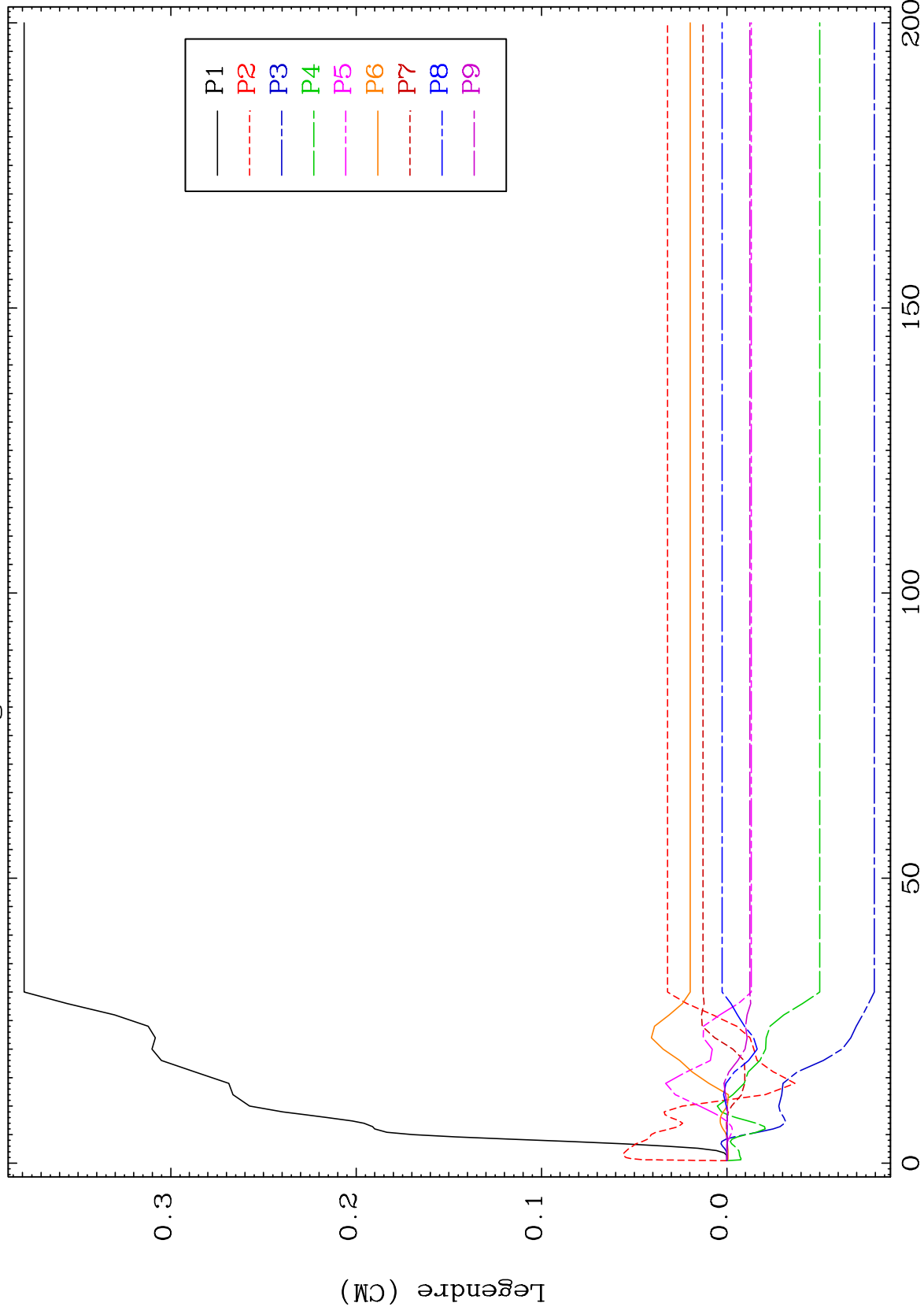




MAT 6434

MT= 72 (n,n') Level  
Legendre Coefficients

64-Gd-155



85

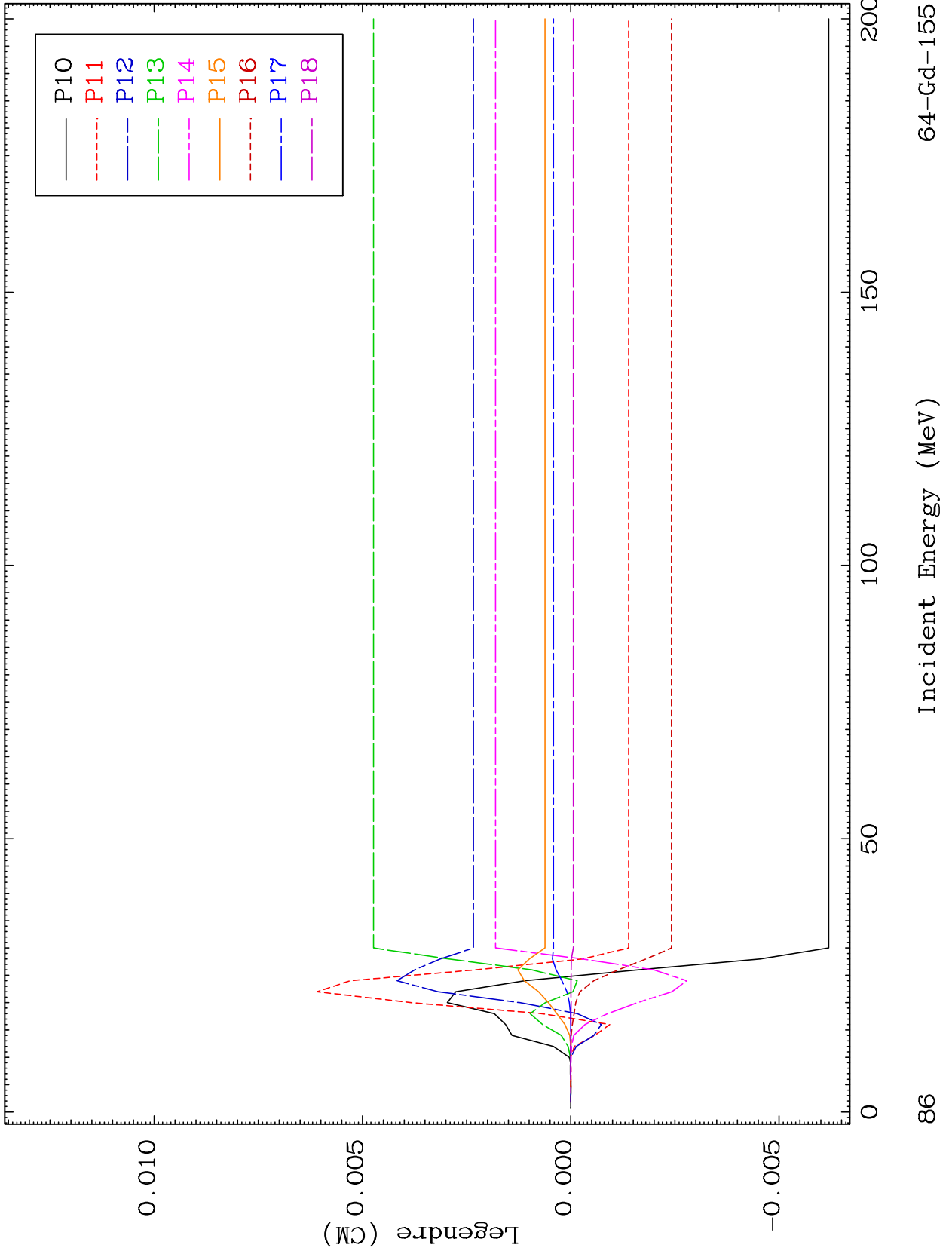
Incident Energy (MeV)

64-Gd-155

MAT 6434

MT= 72 (n,n') Level  
Legendre Coefficients

64-Gd-155



86

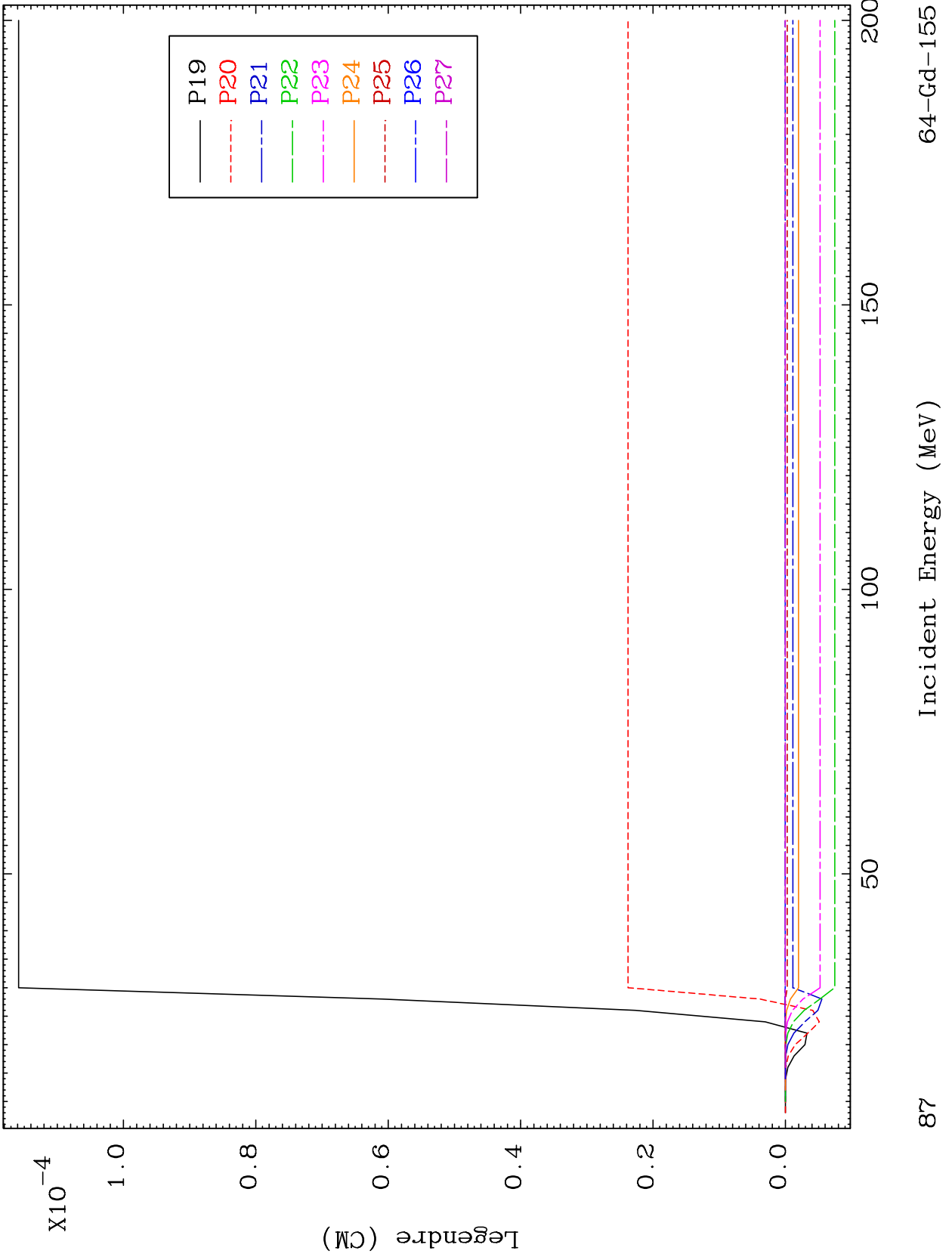
Incident Energy (MeV)

64-Gd-155

MAT 6434

MT= 72 (n,n') Level  
Legendre Coefficients

64-Gd-155



87

Incident Energy (MeV)

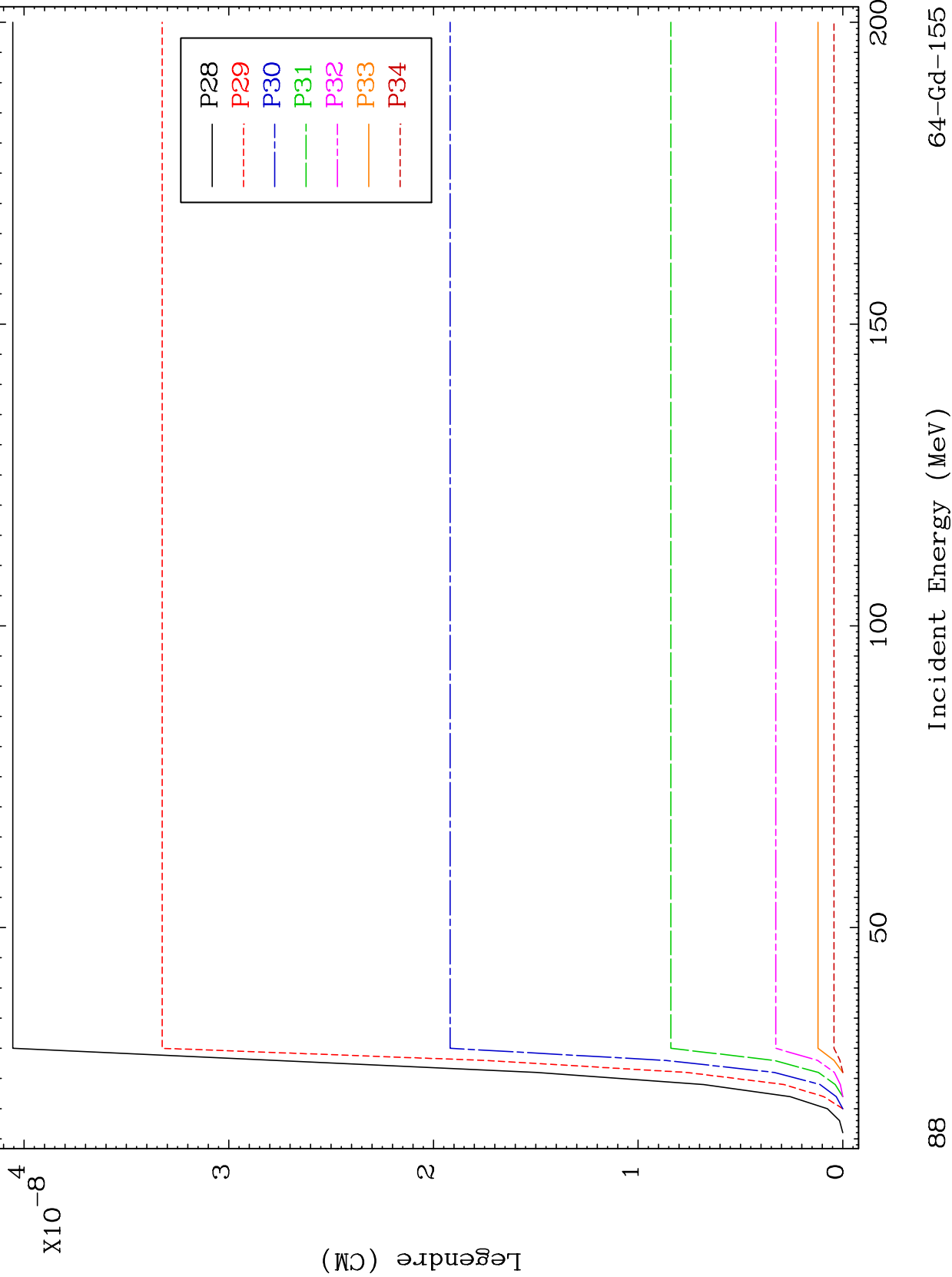
64-Gd-155



MAT 6434

MT= 72 (n,n') Level  
Legendre Coefficients

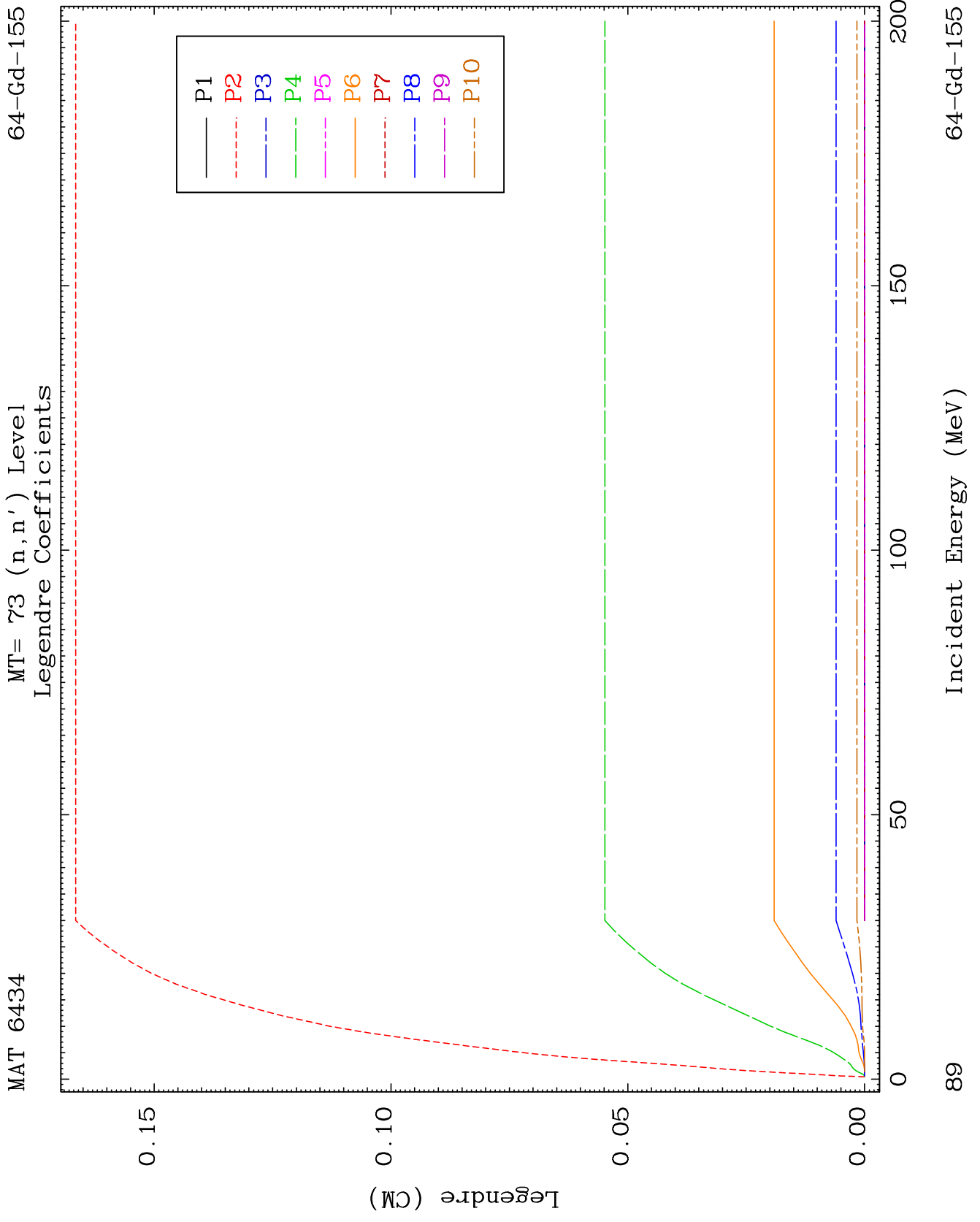
64-Gd-155



88

Incident Energy (MeV)

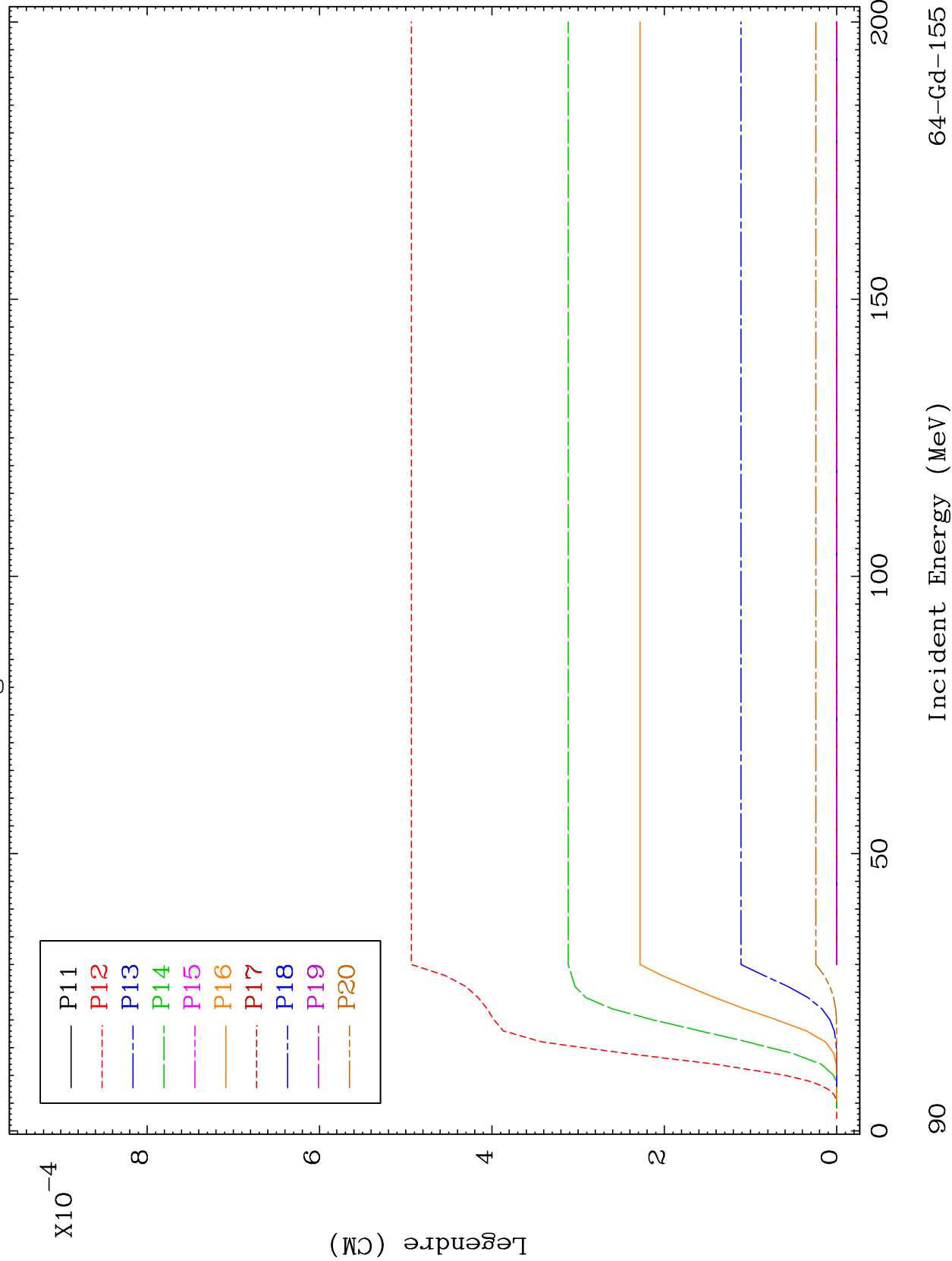
64-Gd-155



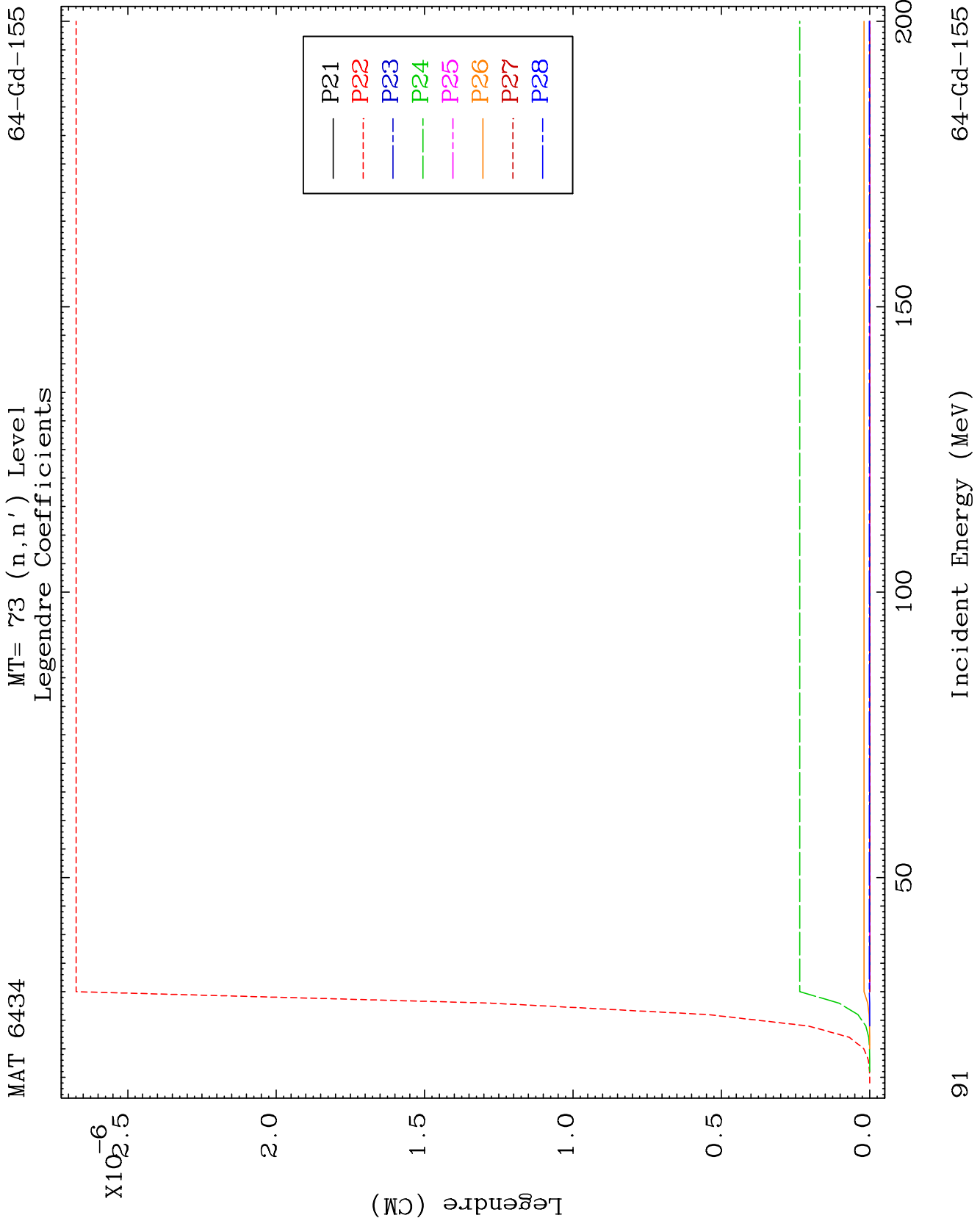
MAT 6434

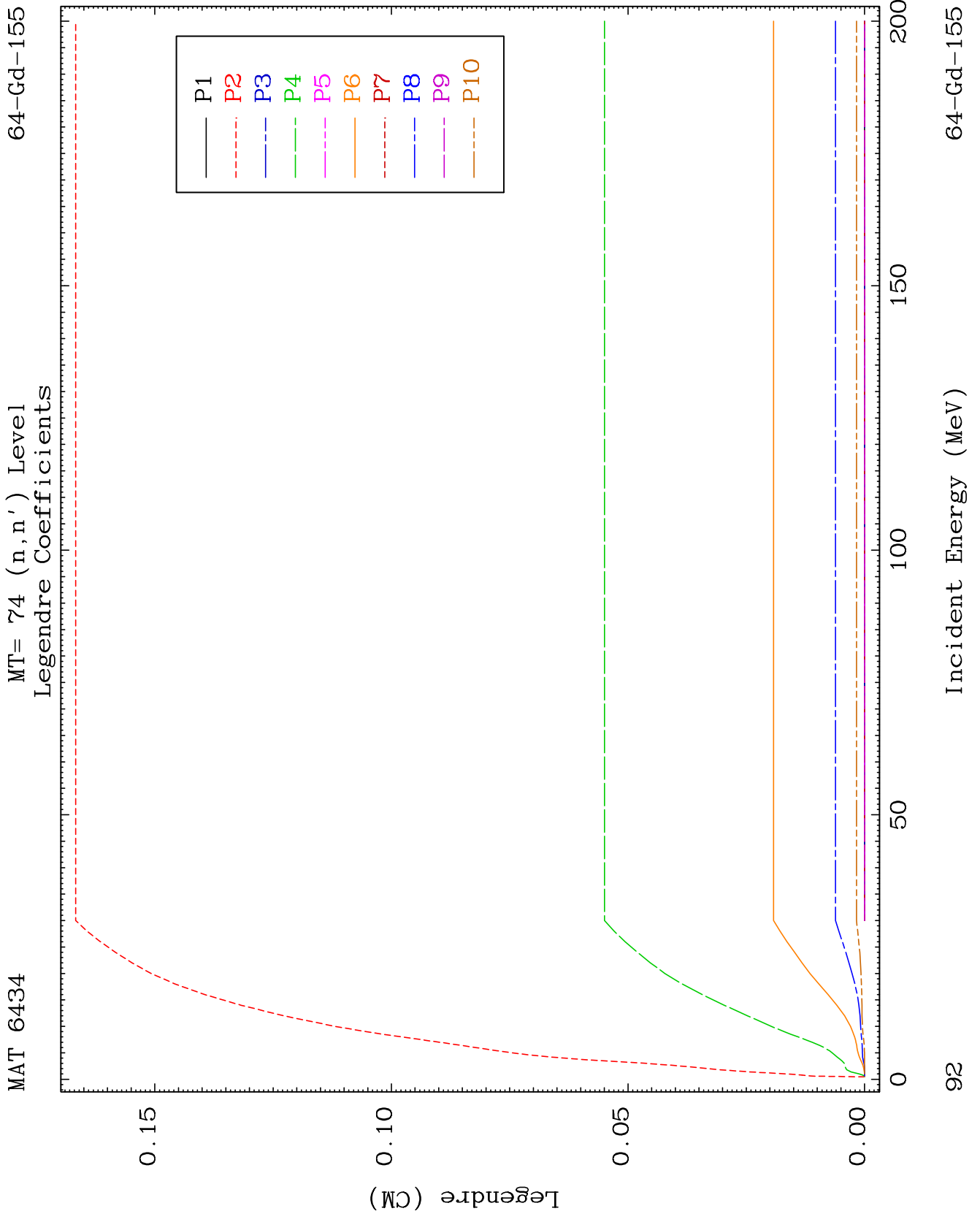
MT= 73 (n,n') Level  
Legendre Coefficients

64-Gd-155



64-Gd-155

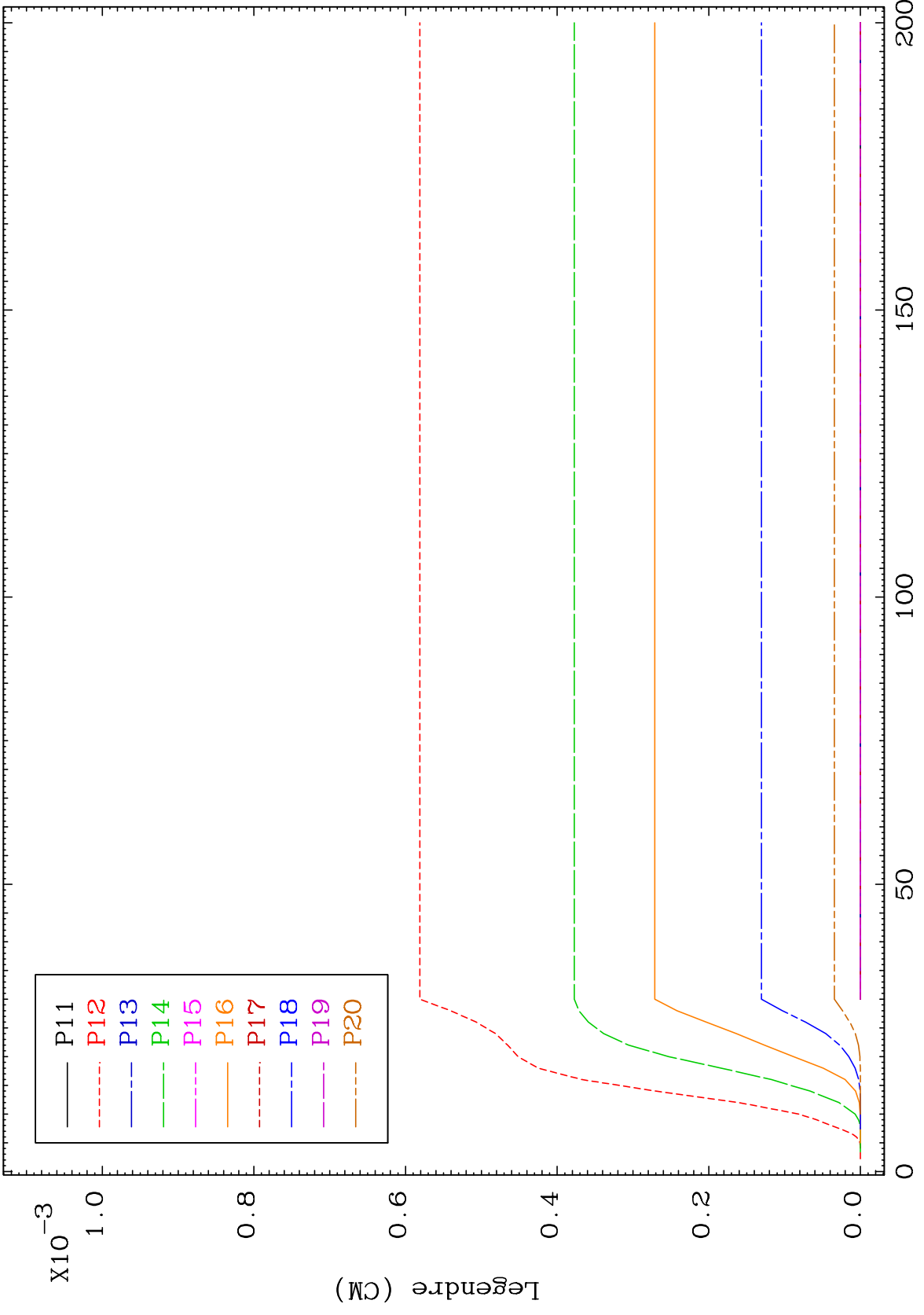
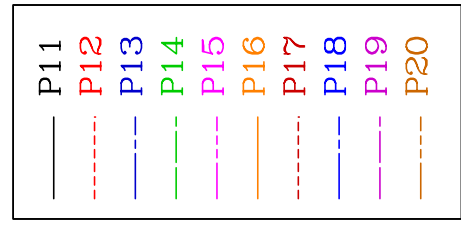




MAT 6434

MT= 74 (n,n') Level  
Legendre Coefficients

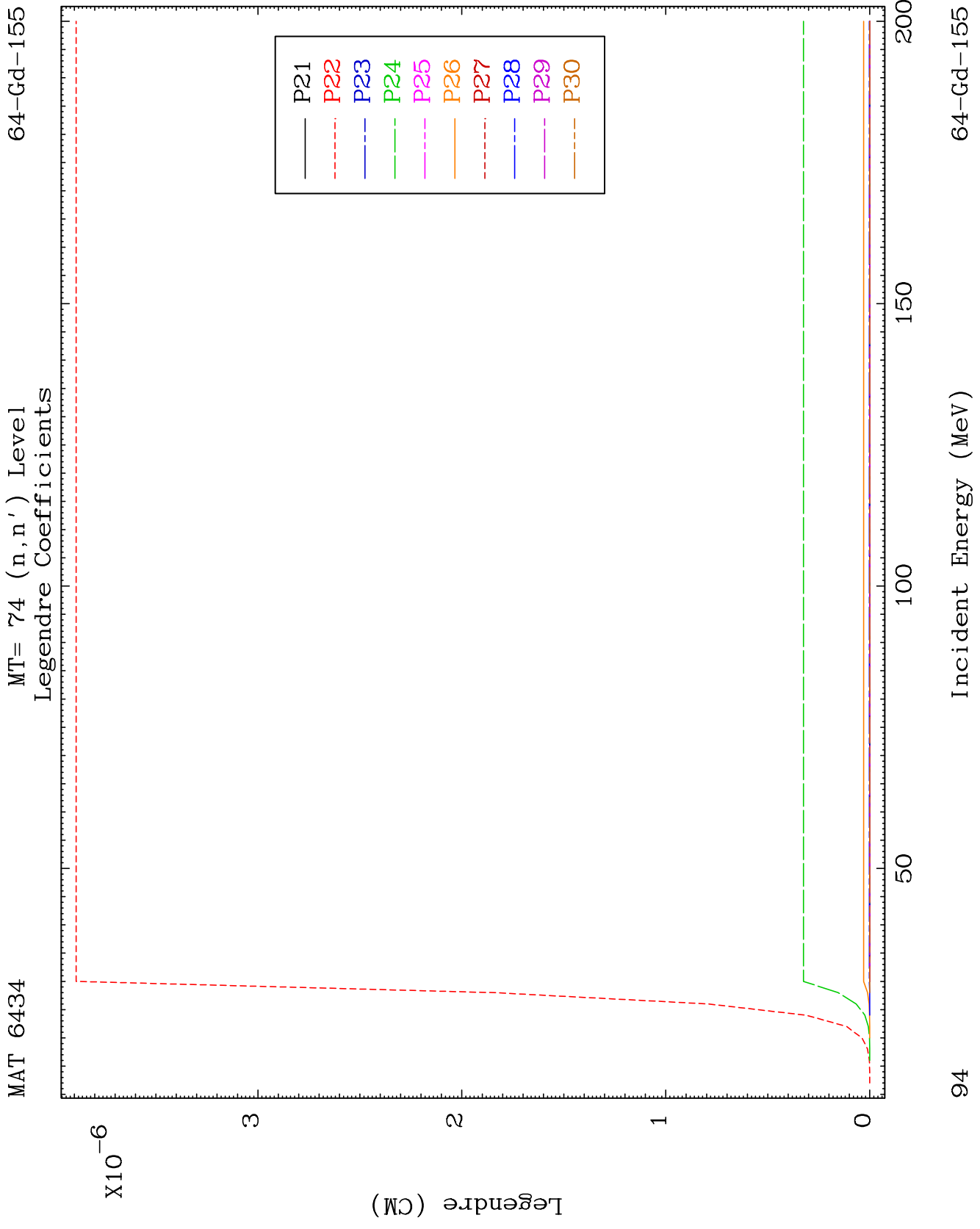
64-Gd-155

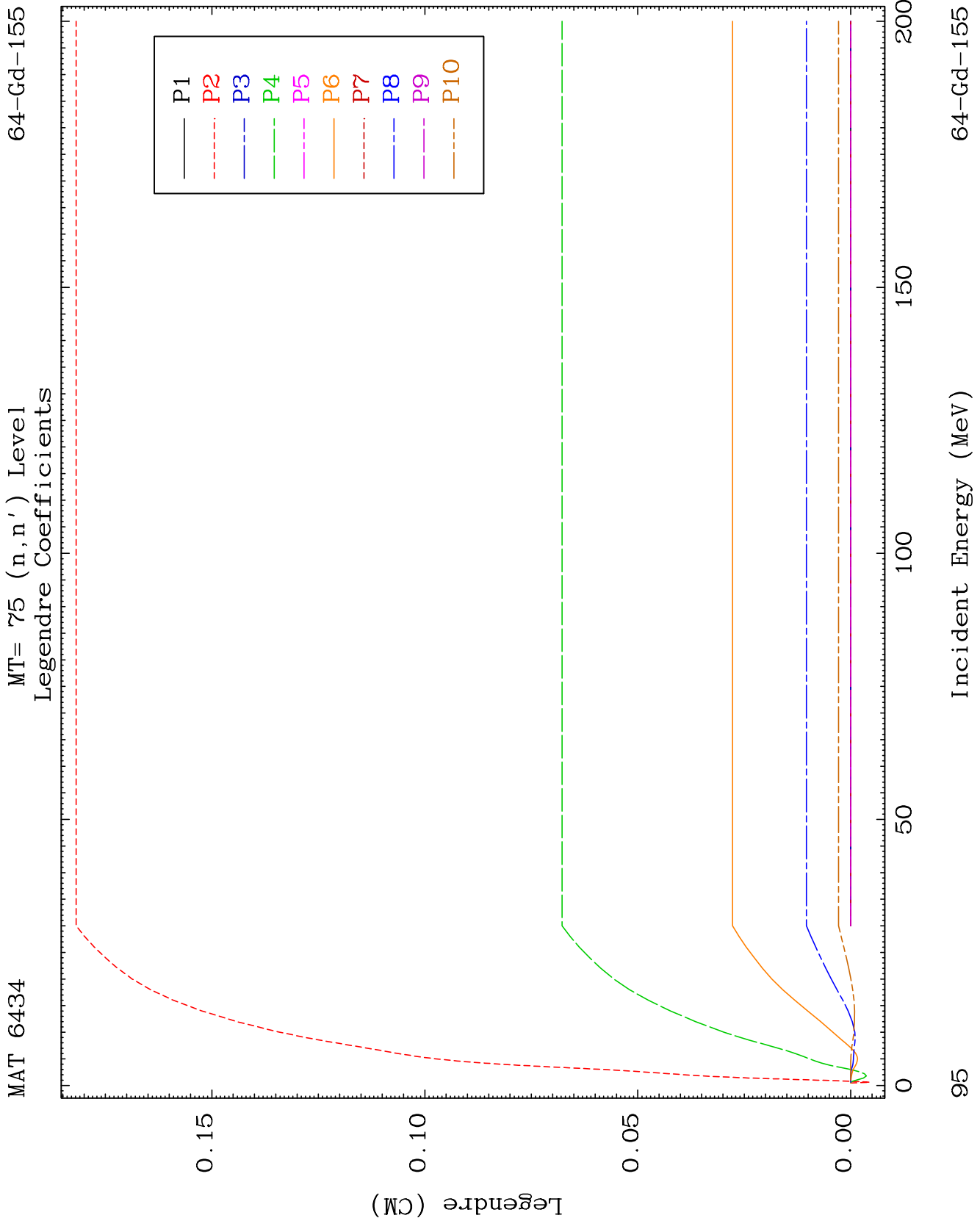


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Incident Energy (MeV)

64-Gd-155



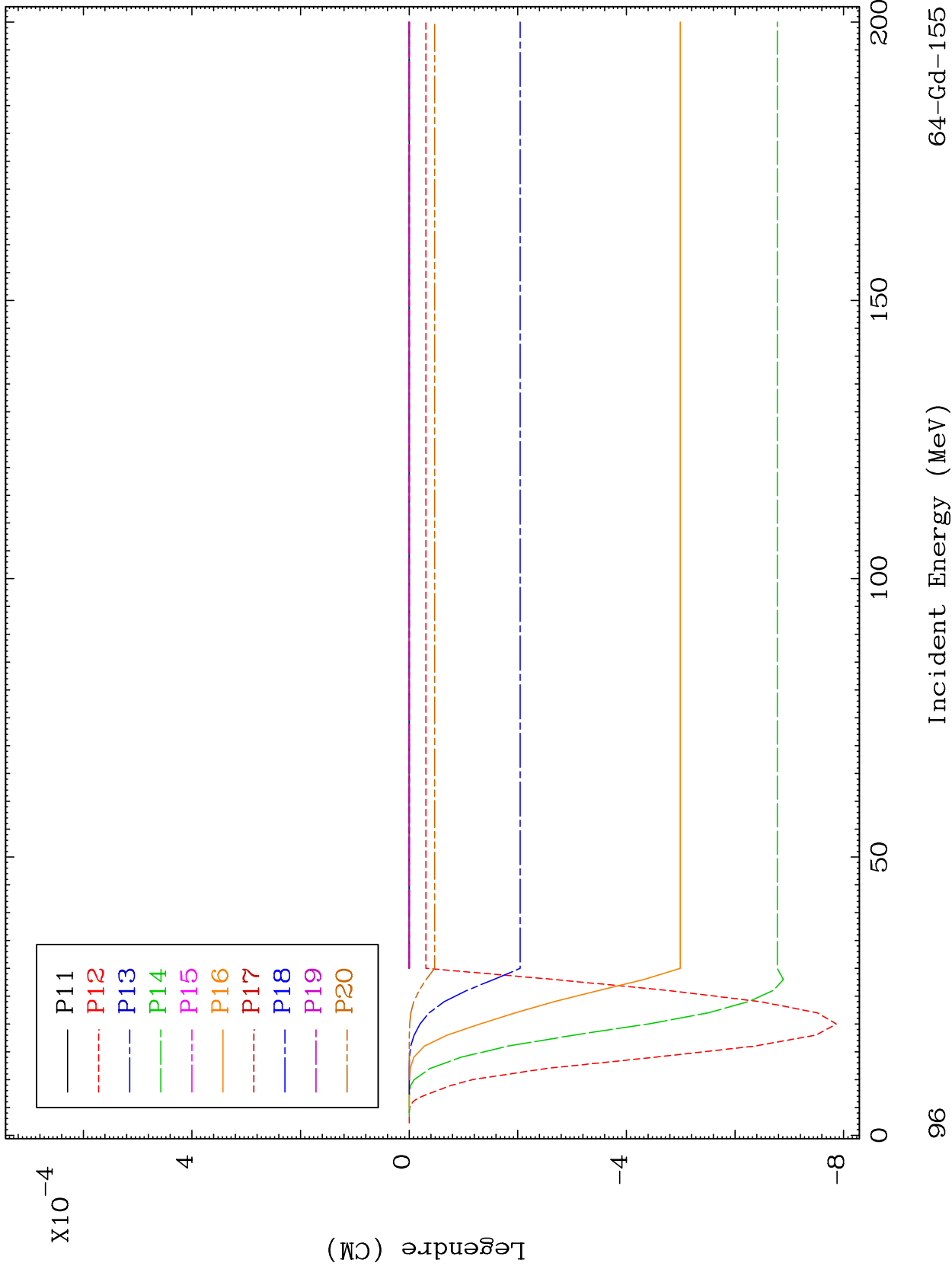




MAT 6434

MT= 75 (n,n') Level  
Legendre Coefficients

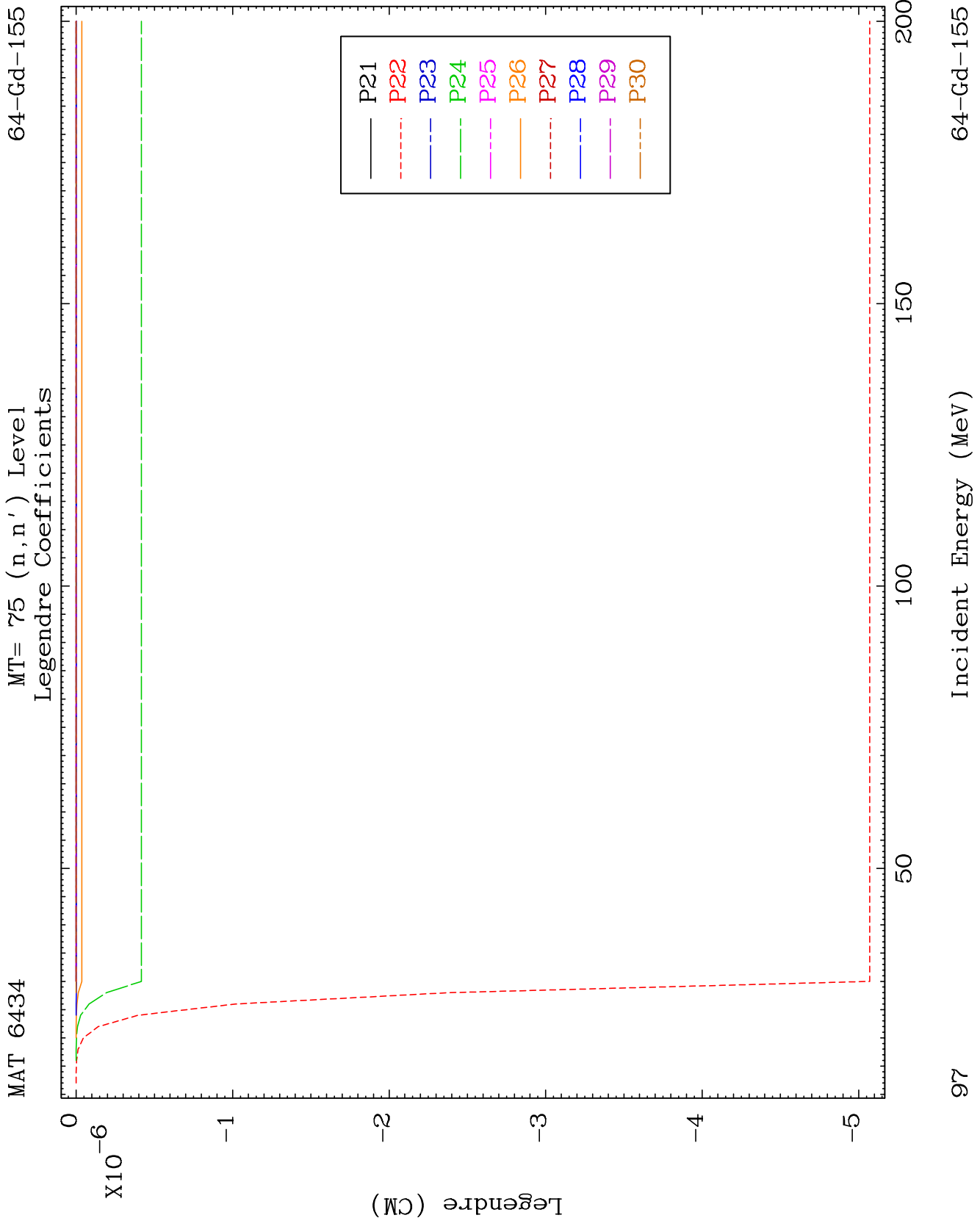
64-Gd-155



96

Incident Energy (MeV)

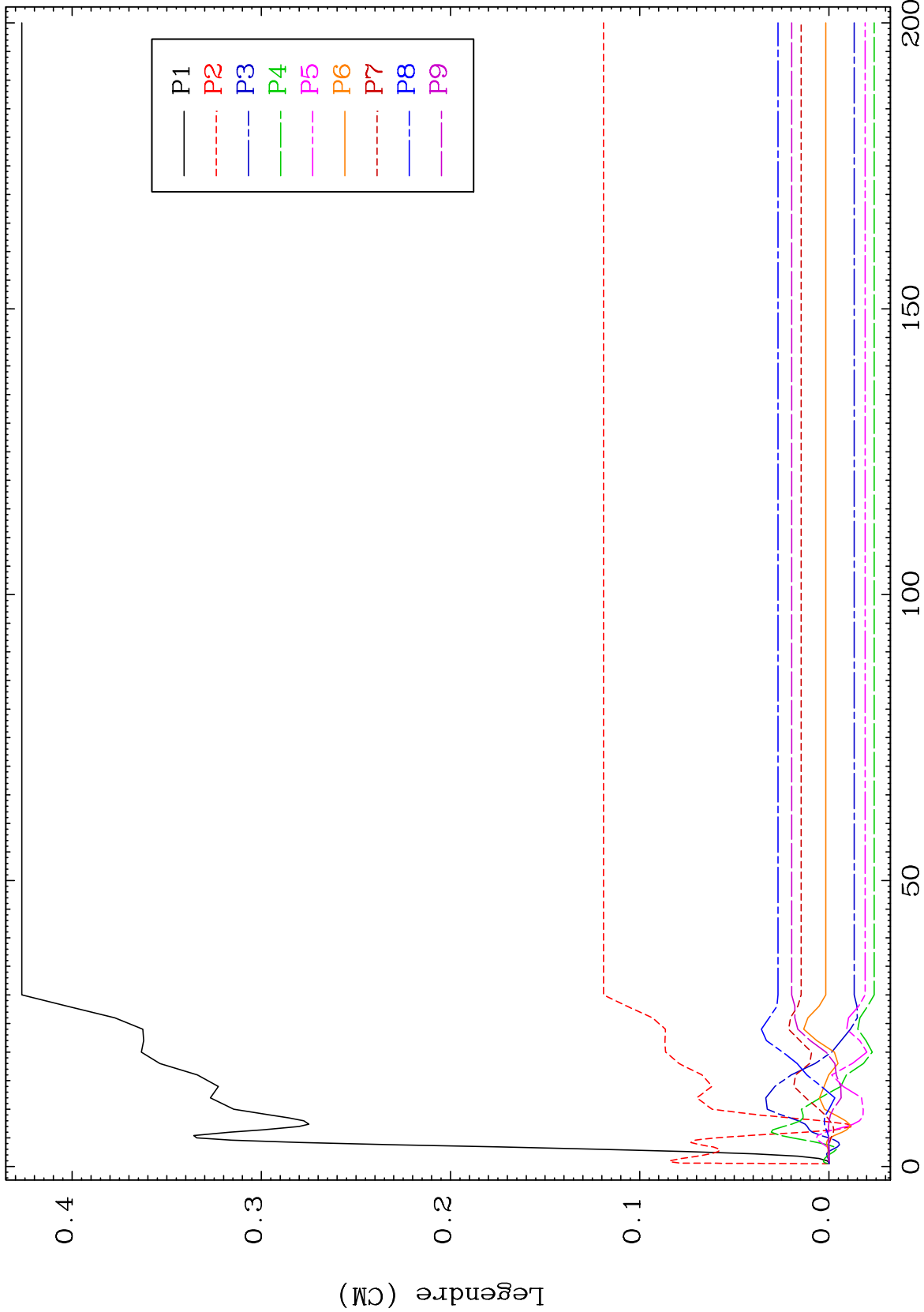
64-Gd-155



MAT 6434

MT= 76 (n,n') Level  
Legendre Coefficients

64-Gd-155



98

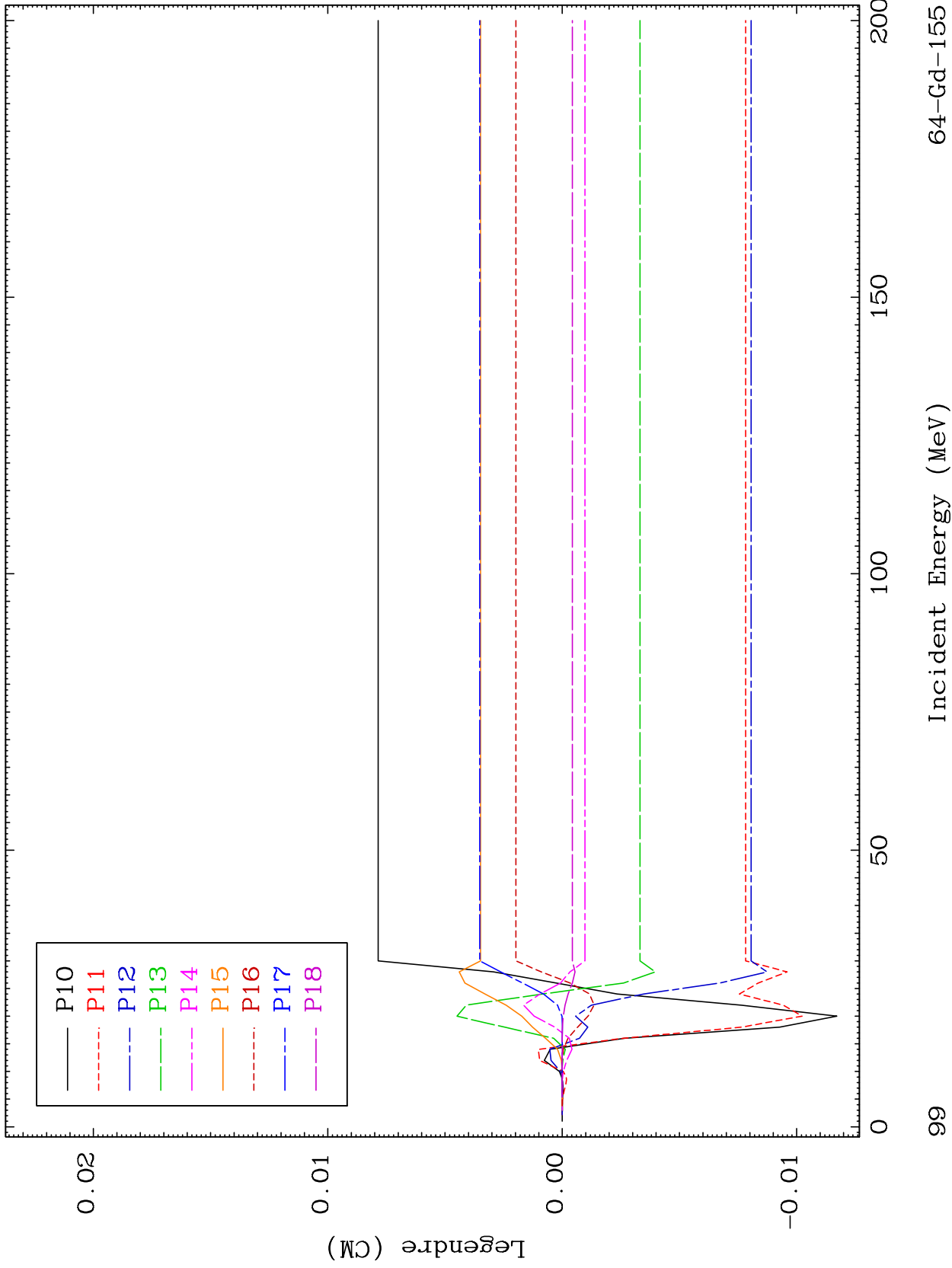
Incident Energy (MeV)

64-Gd-155

MAT 6434

MT= 76 (n,n') Level  
Legendre Coefficients

64-Gd-155



99

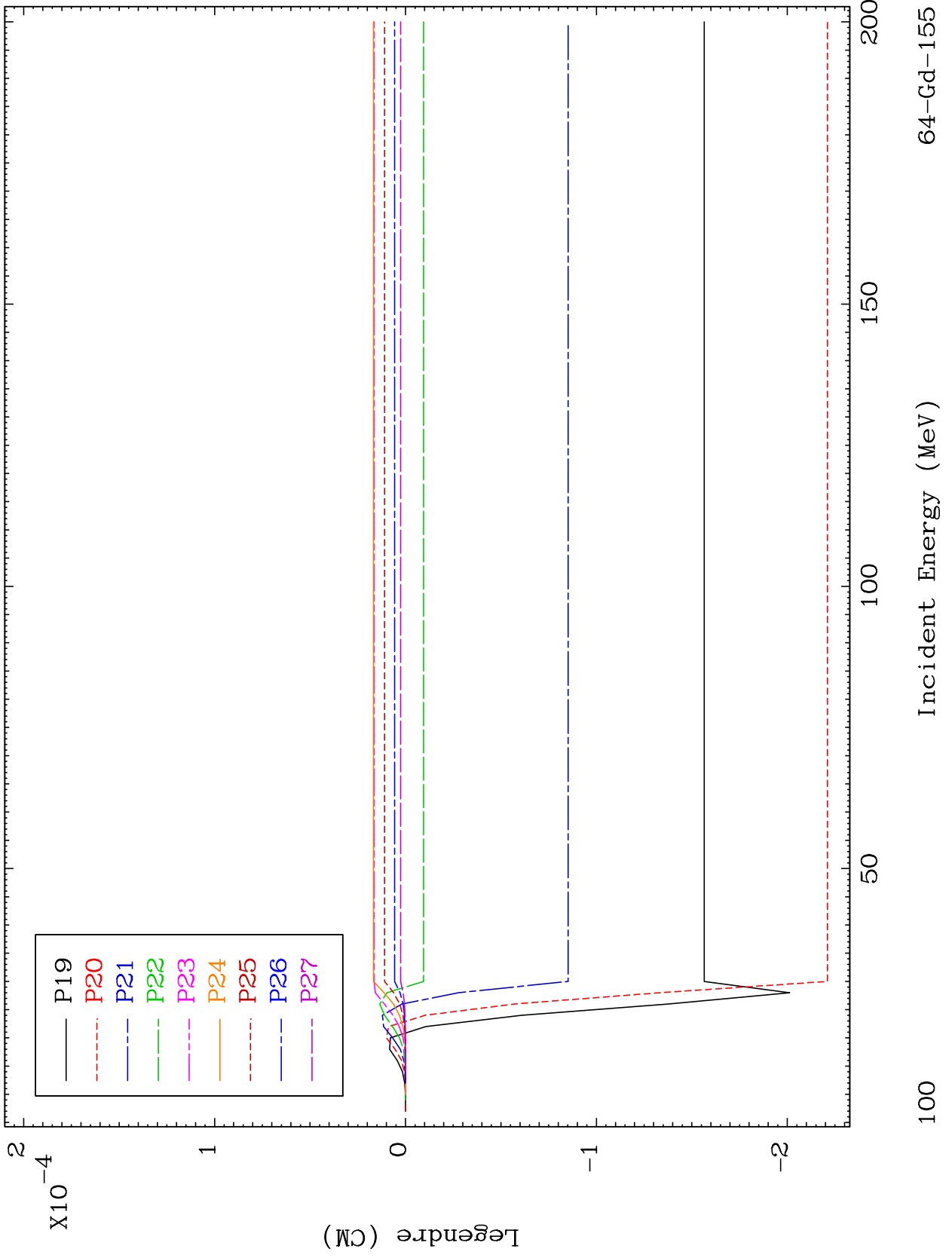
Incident Energy (MeV)

64-Gd-155

MAT 6434

MT= 76 (n,n') Level  
Legendre Coefficients

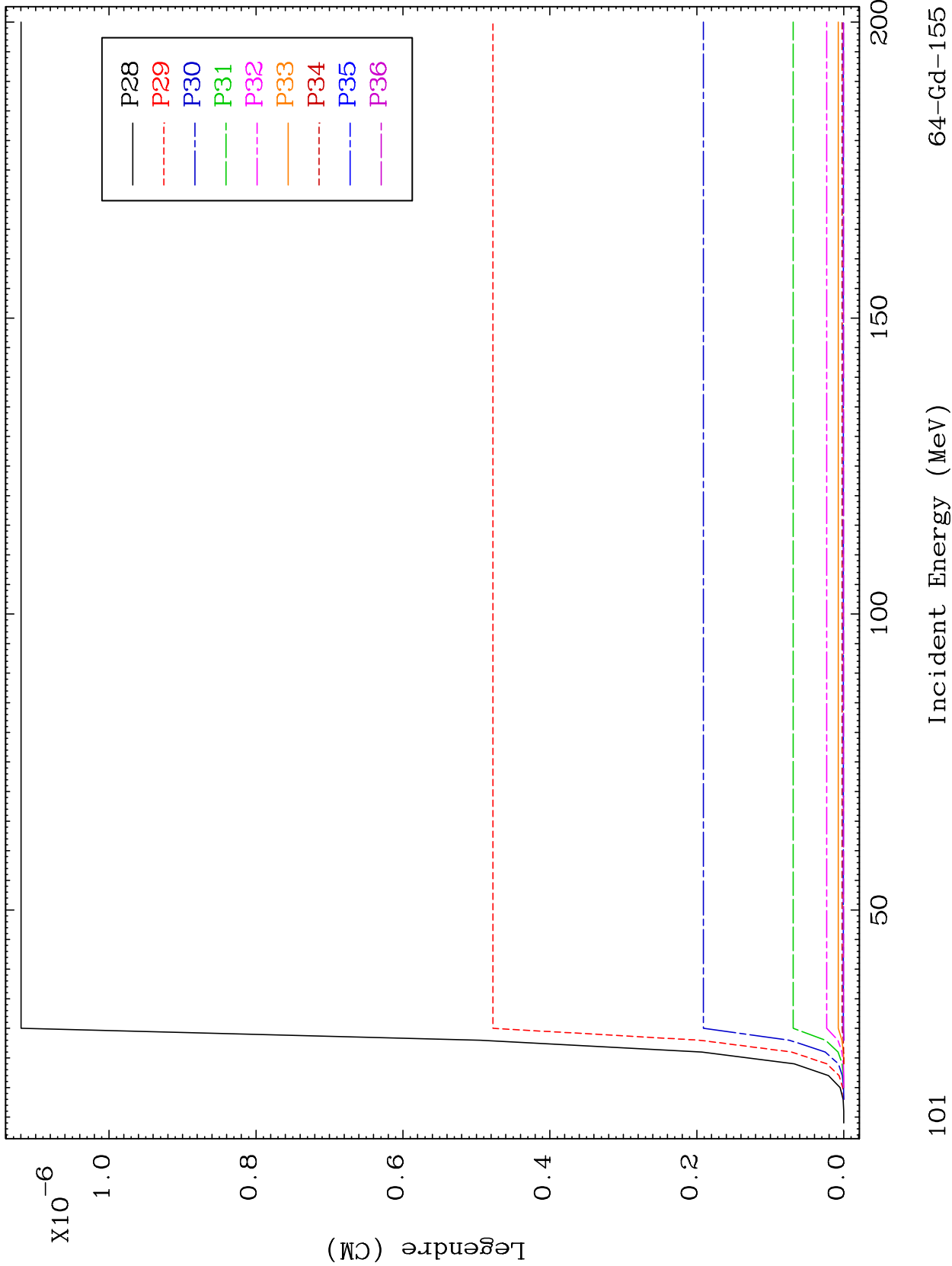
64-Gd-155



MAT 6434

MT= 76 (n,n') Level  
Legendre Coefficients

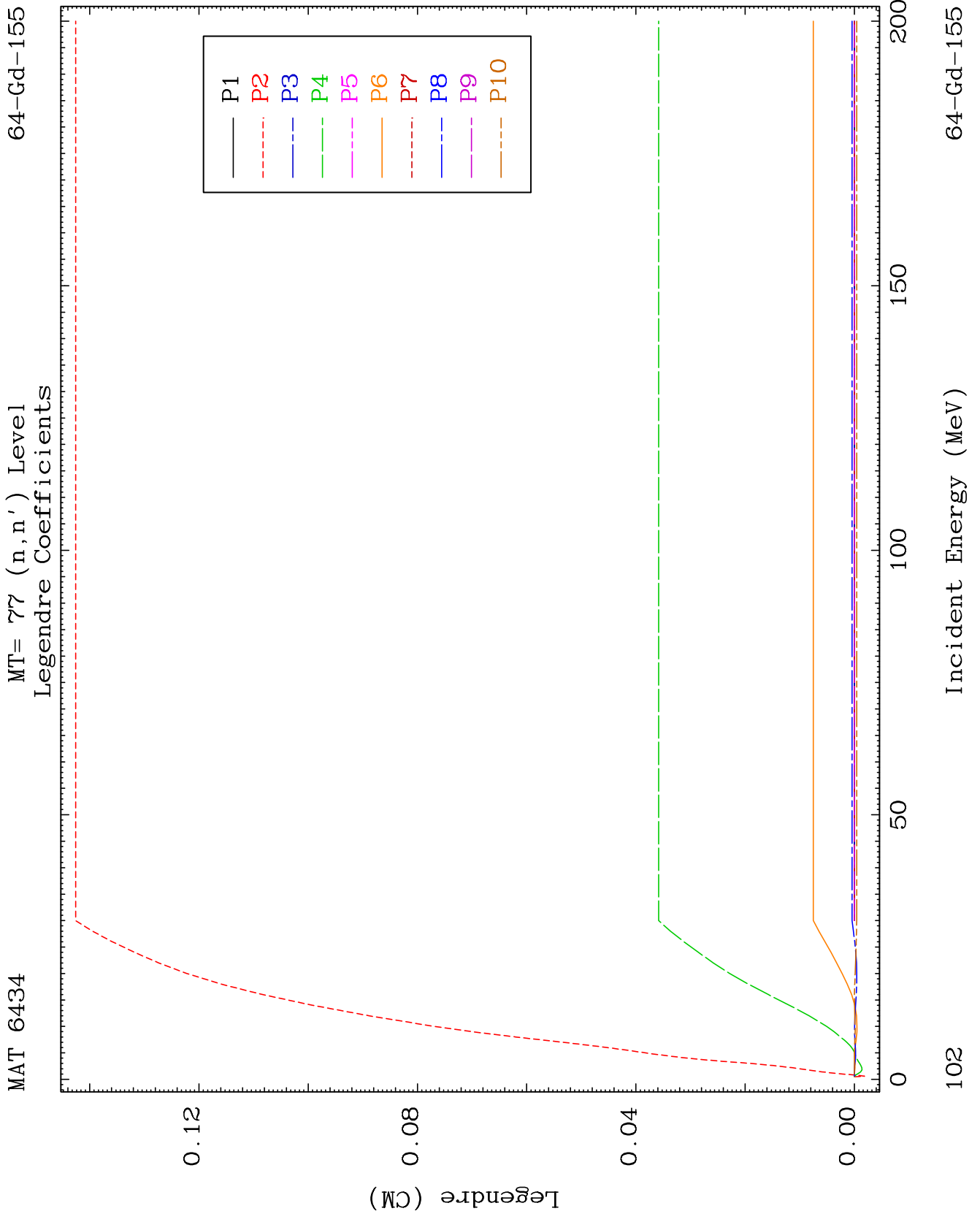
64-Gd-155



101

Incident Energy (MeV)

64-Gd-155

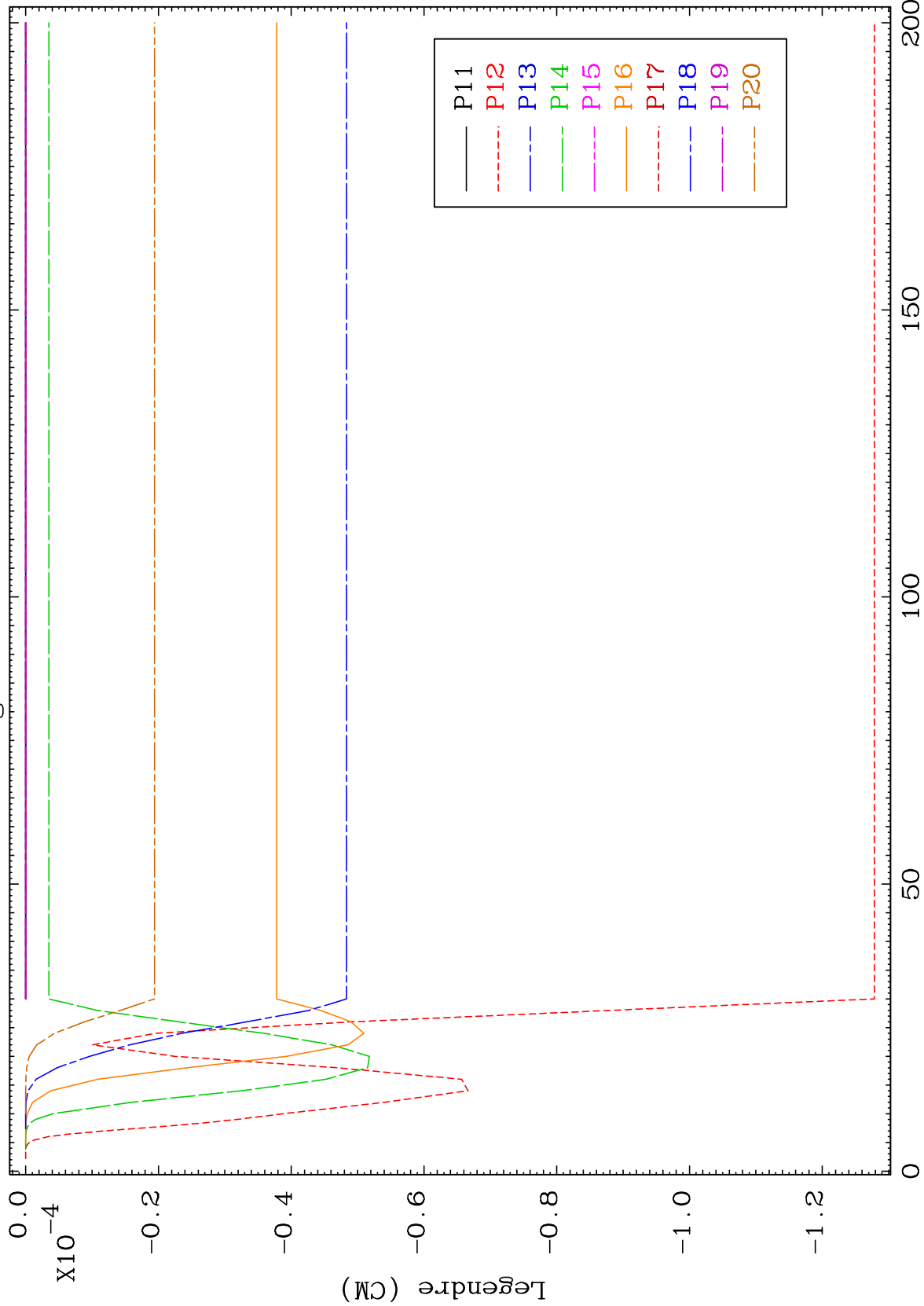


MAT 6434

MT= 77 (n,n') Level

64-Gd-155

Legendre Coefficients

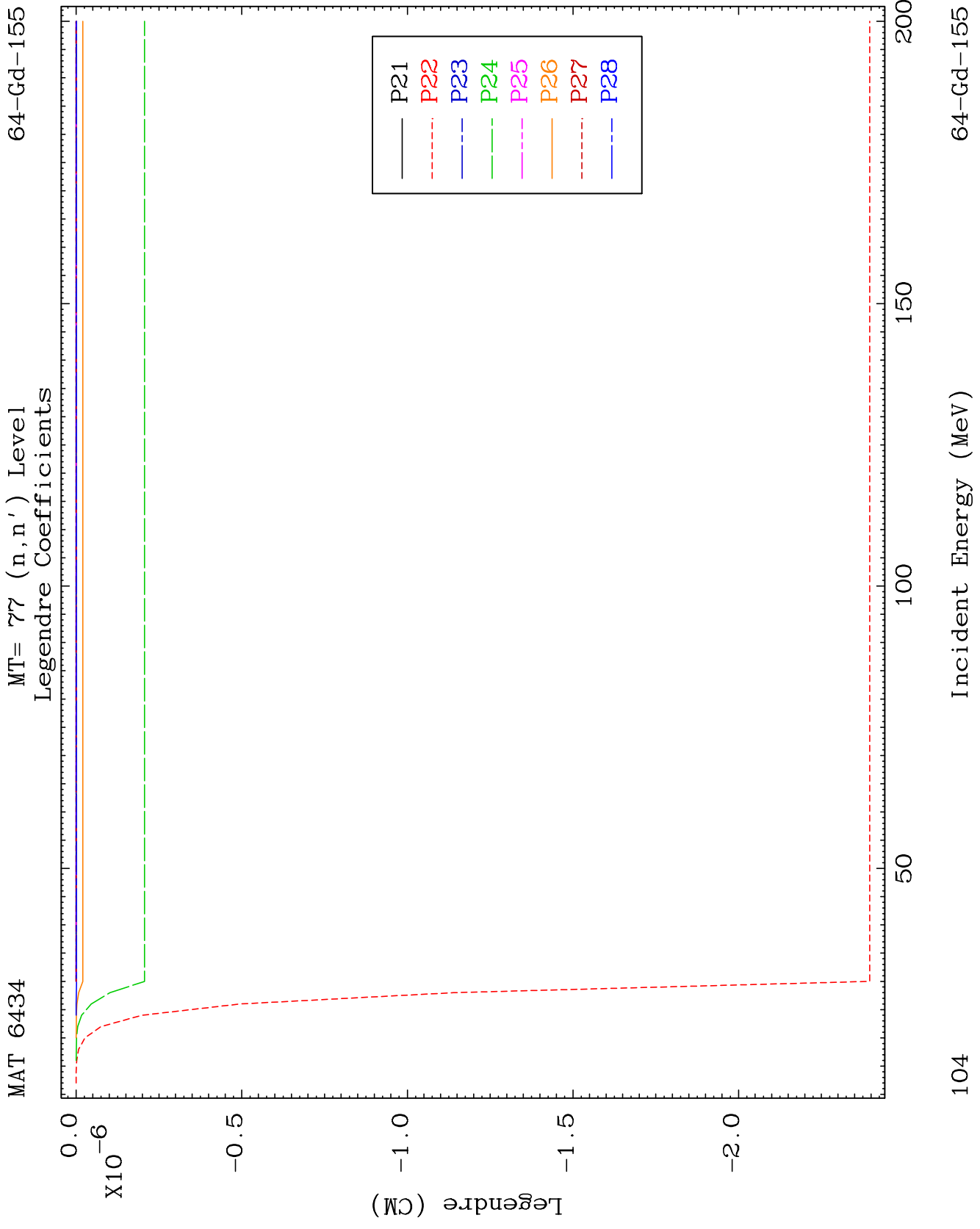


103

Incident Energy (MeV)

64-Gd-155

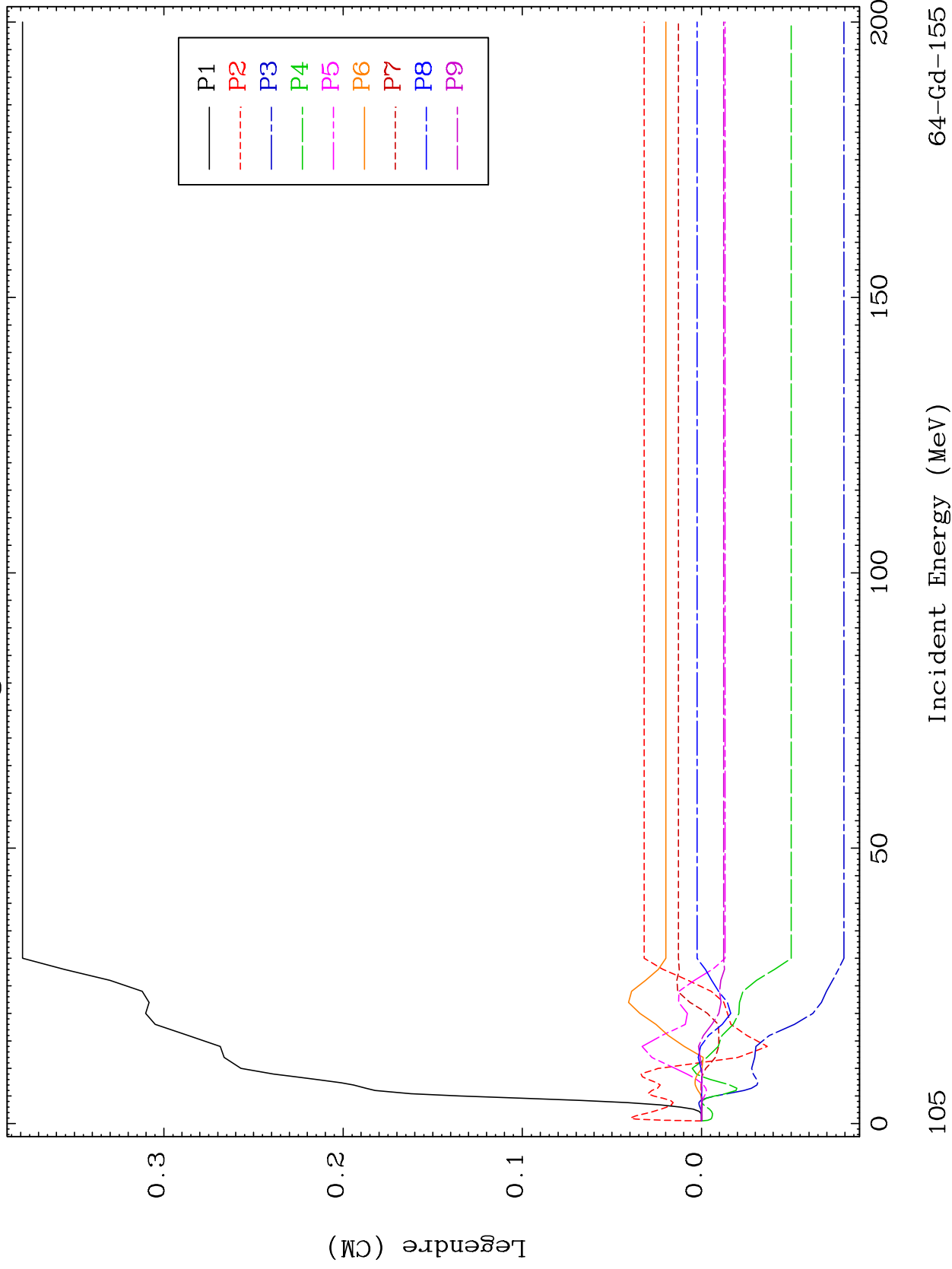




MAT 6434

MT= 78 (n,n') Level  
Legendre Coefficients

64-Gd-155



64-Gd-155

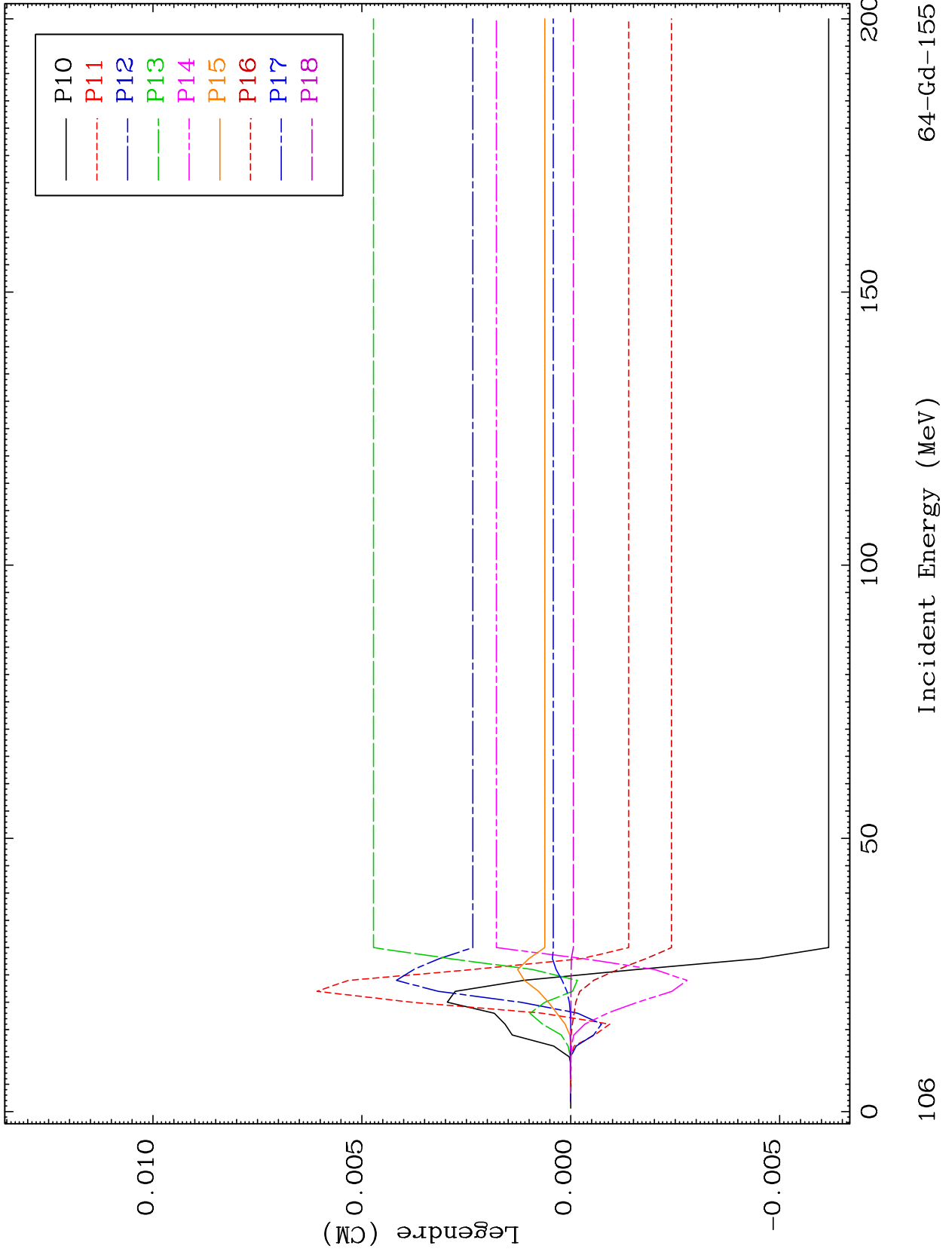
Incident Energy (MeV)

105

MAT 6434

MT= 78 (n,n') Level  
Legendre Coefficients

64-Gd-155



106

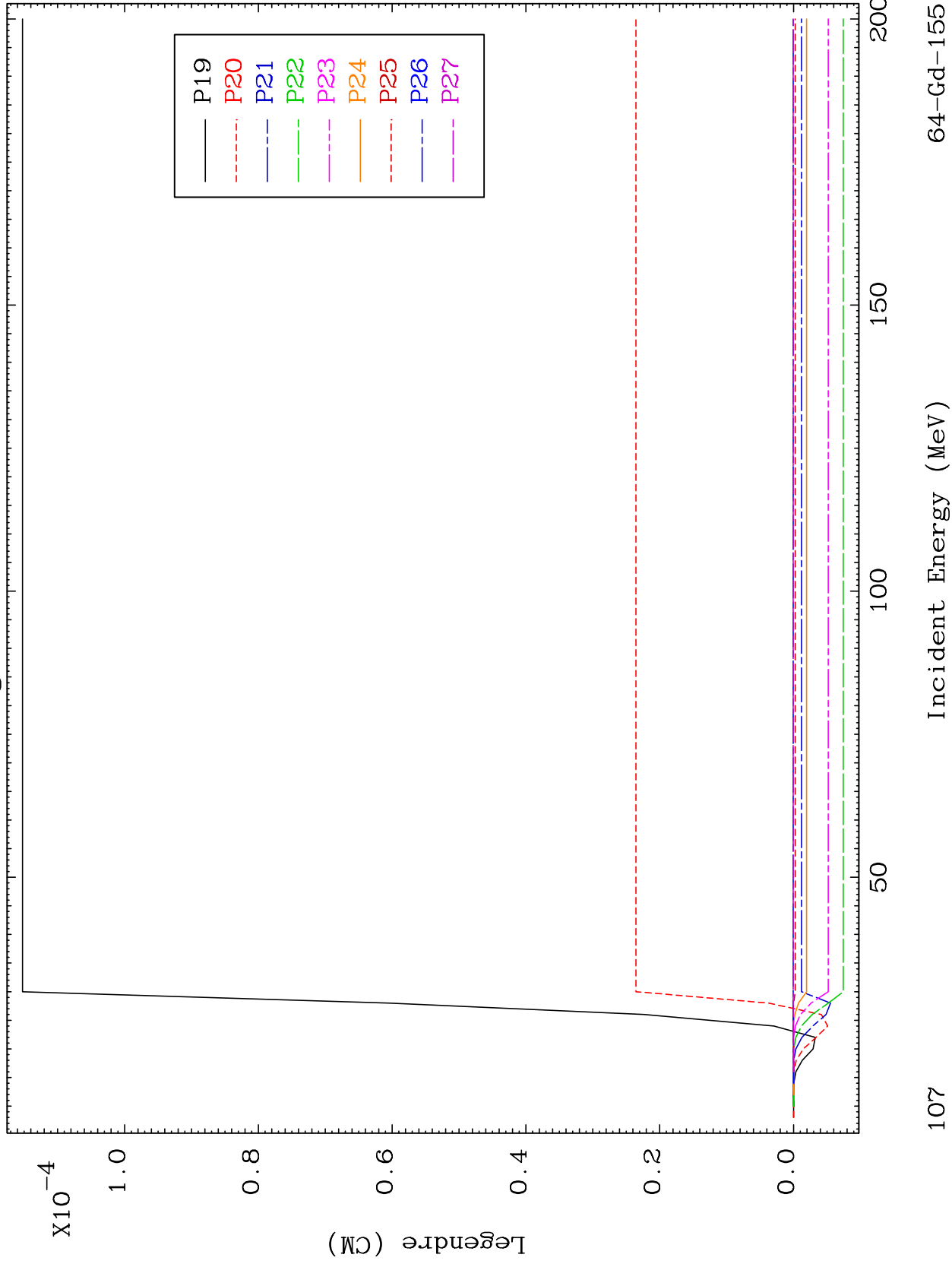
Incident Energy (MeV)

64-Gd-155

MAT 6434

MT= 78 (n,n') Level  
Legendre Coefficients

64-Gd-155

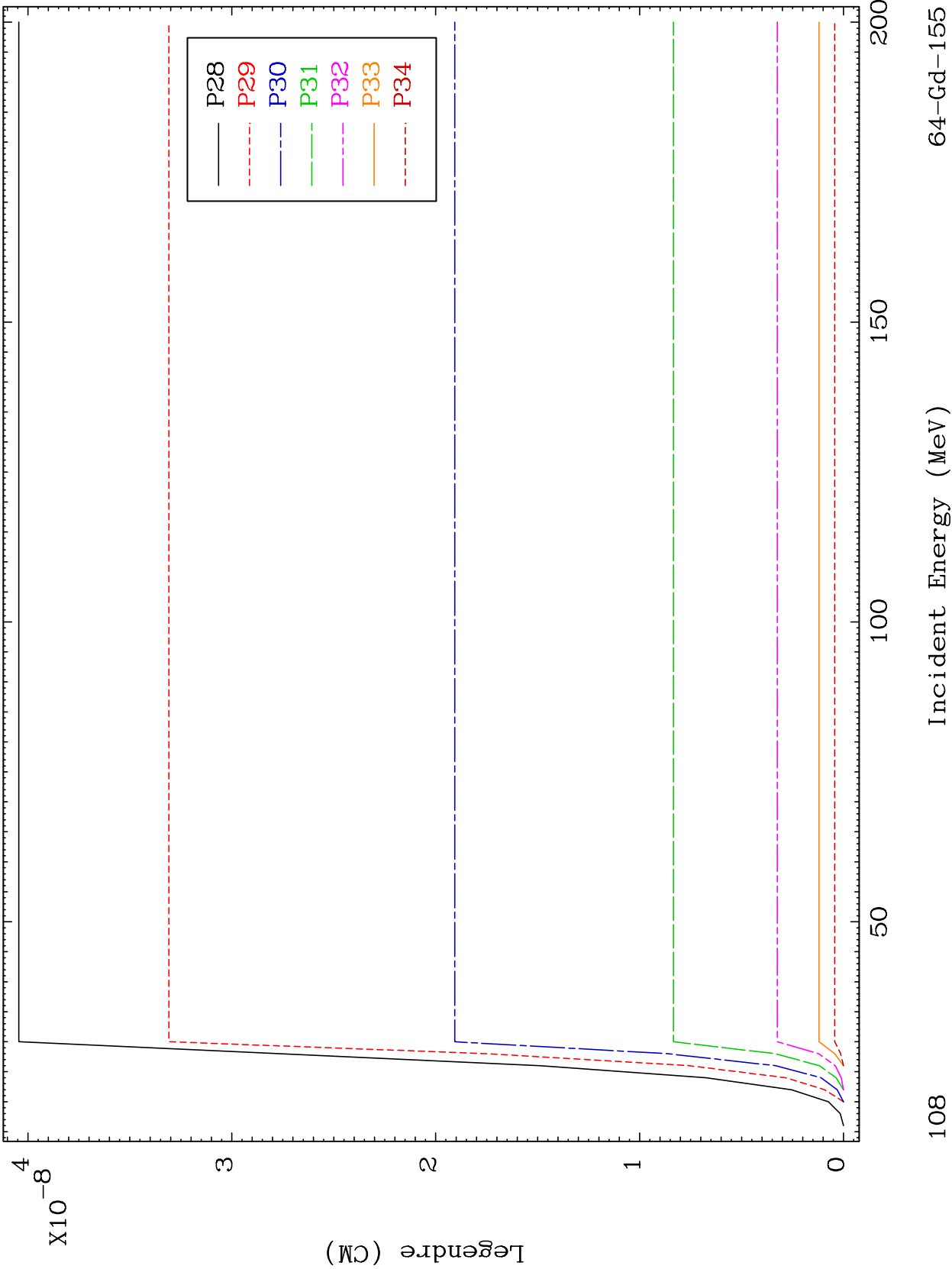


107

MAT 6434

MT= 78 (n,n') Level  
Legendre Coefficients

64-Gd-155

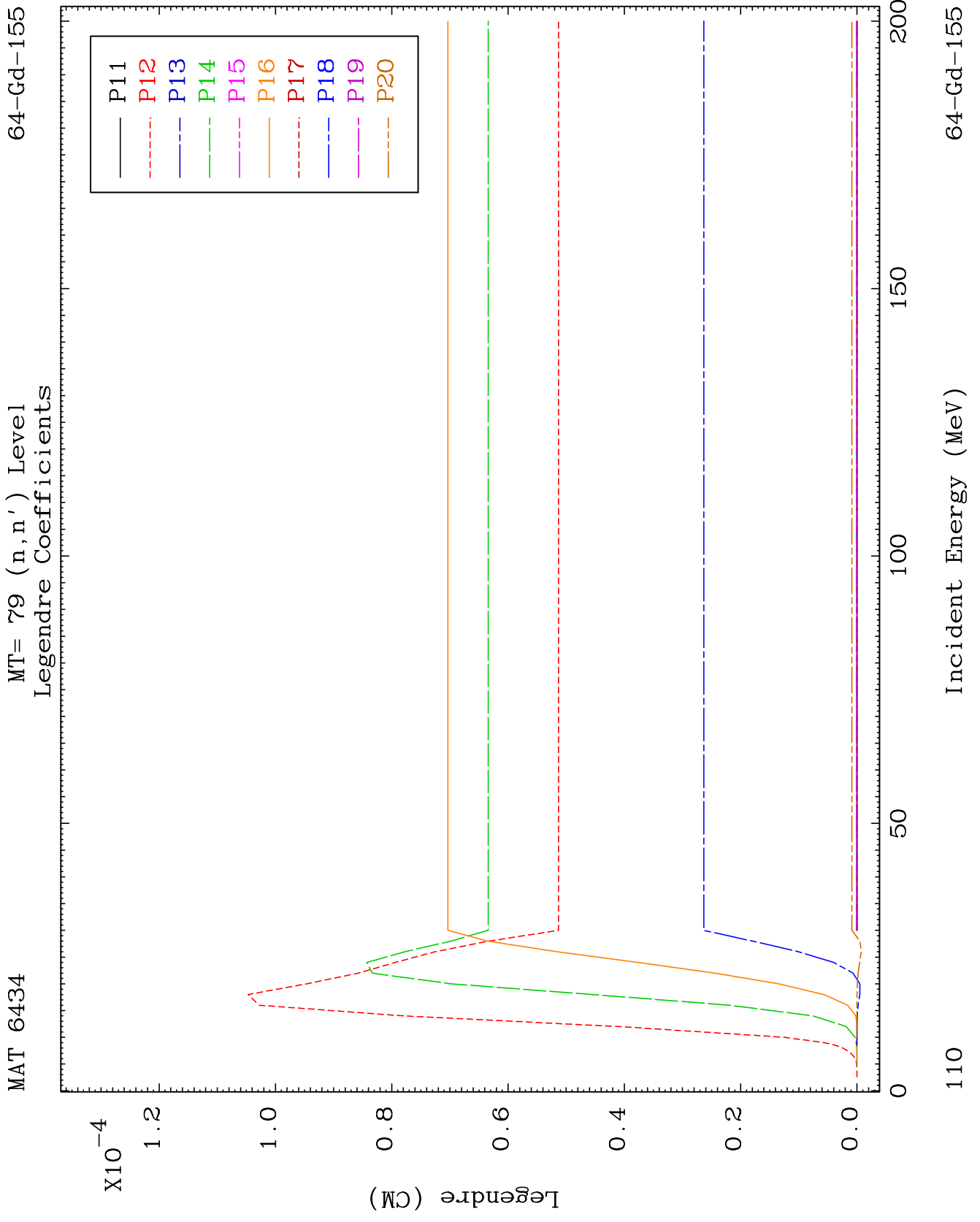


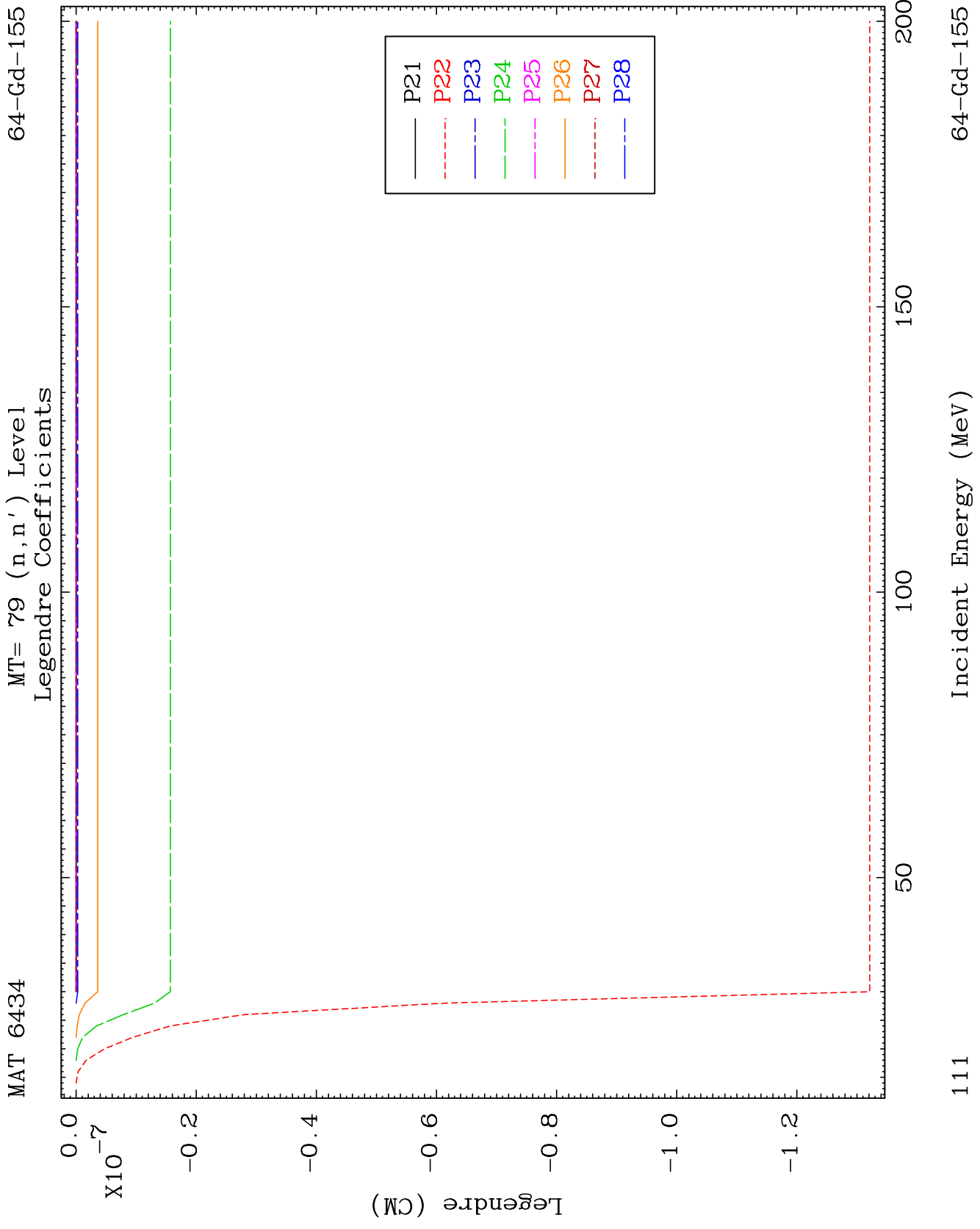
108

Incident Energy (MeV)

64-Gd-155





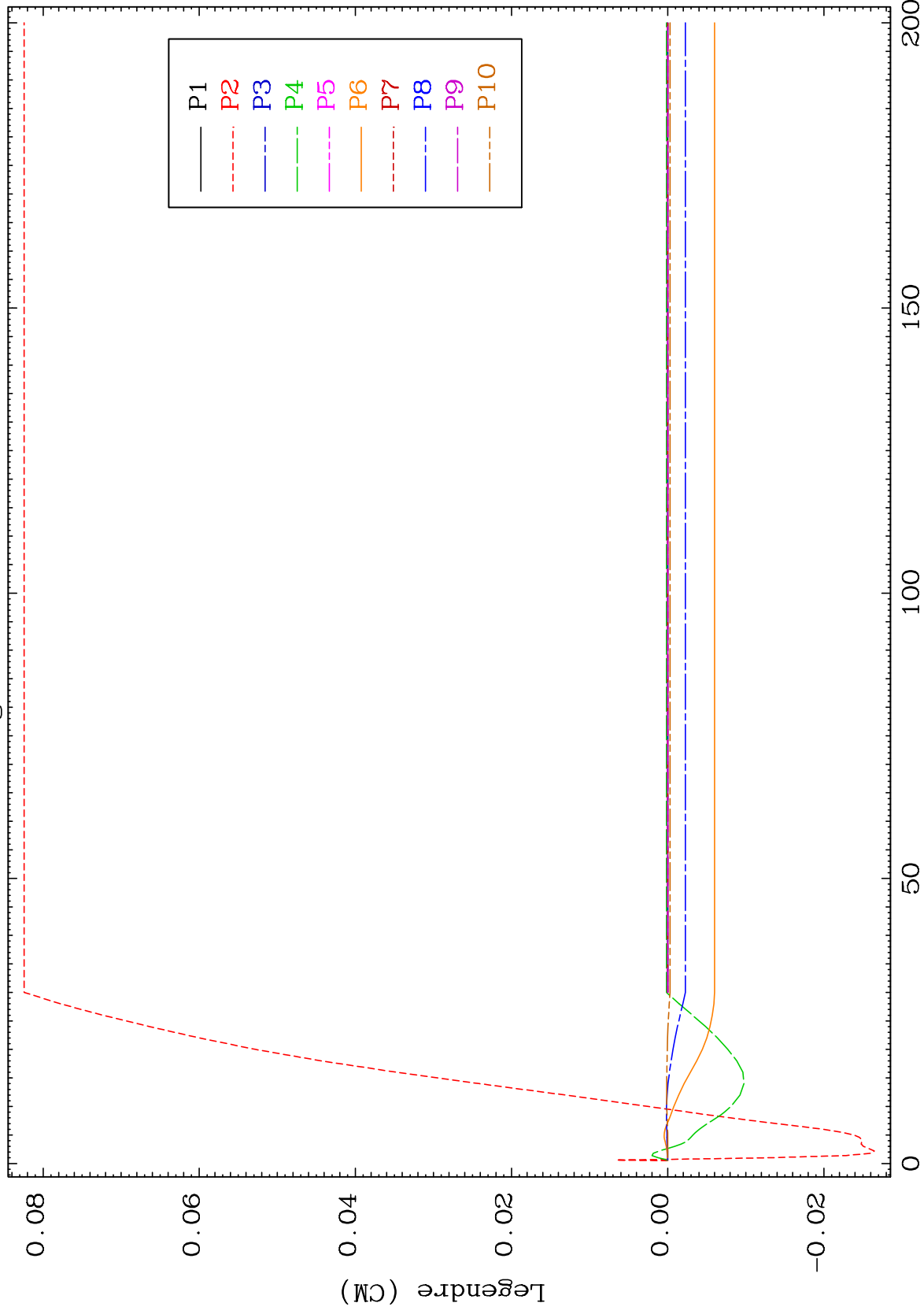




MAT 6434

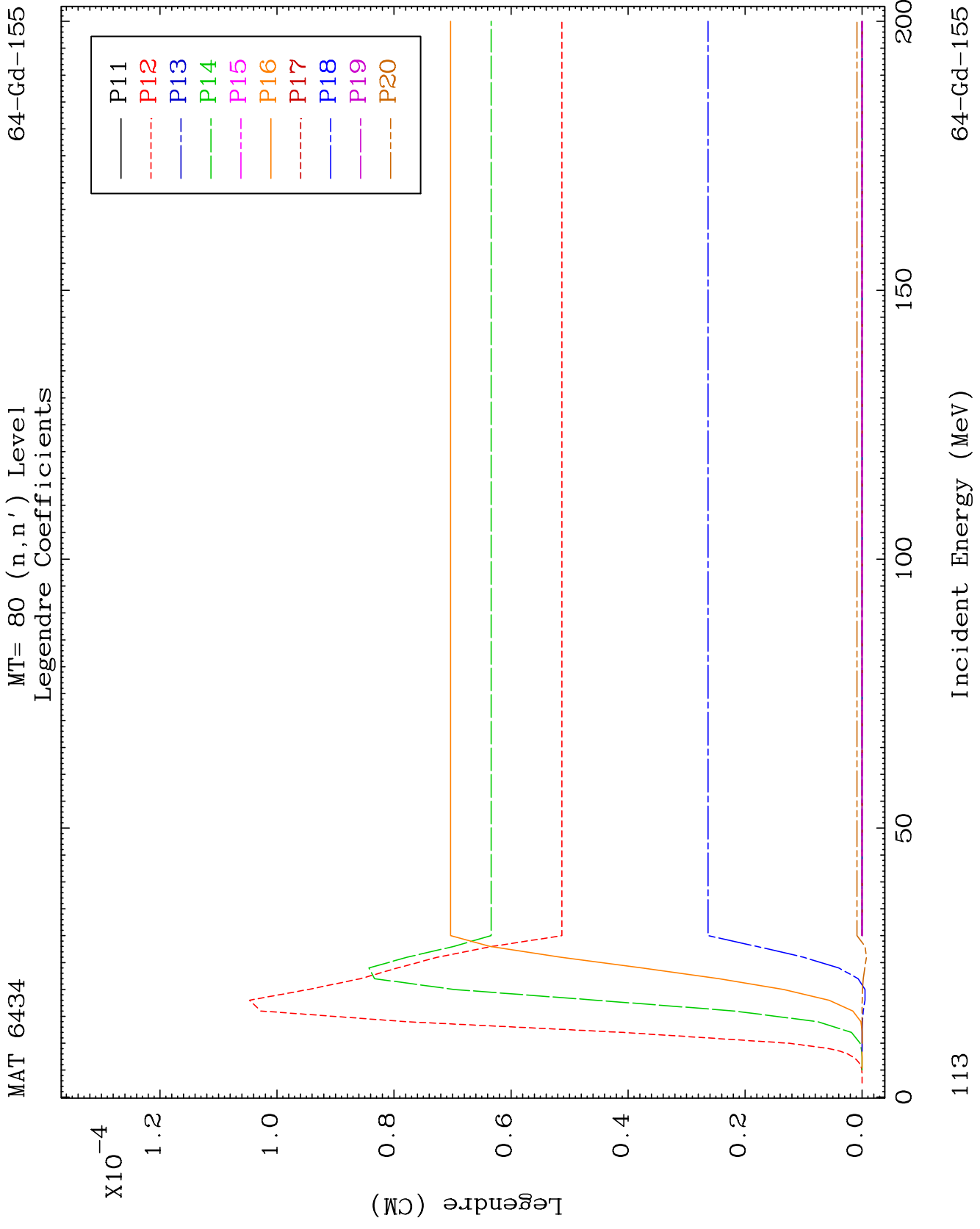
MT= 80 (n,n') Level  
Legendre Coefficients

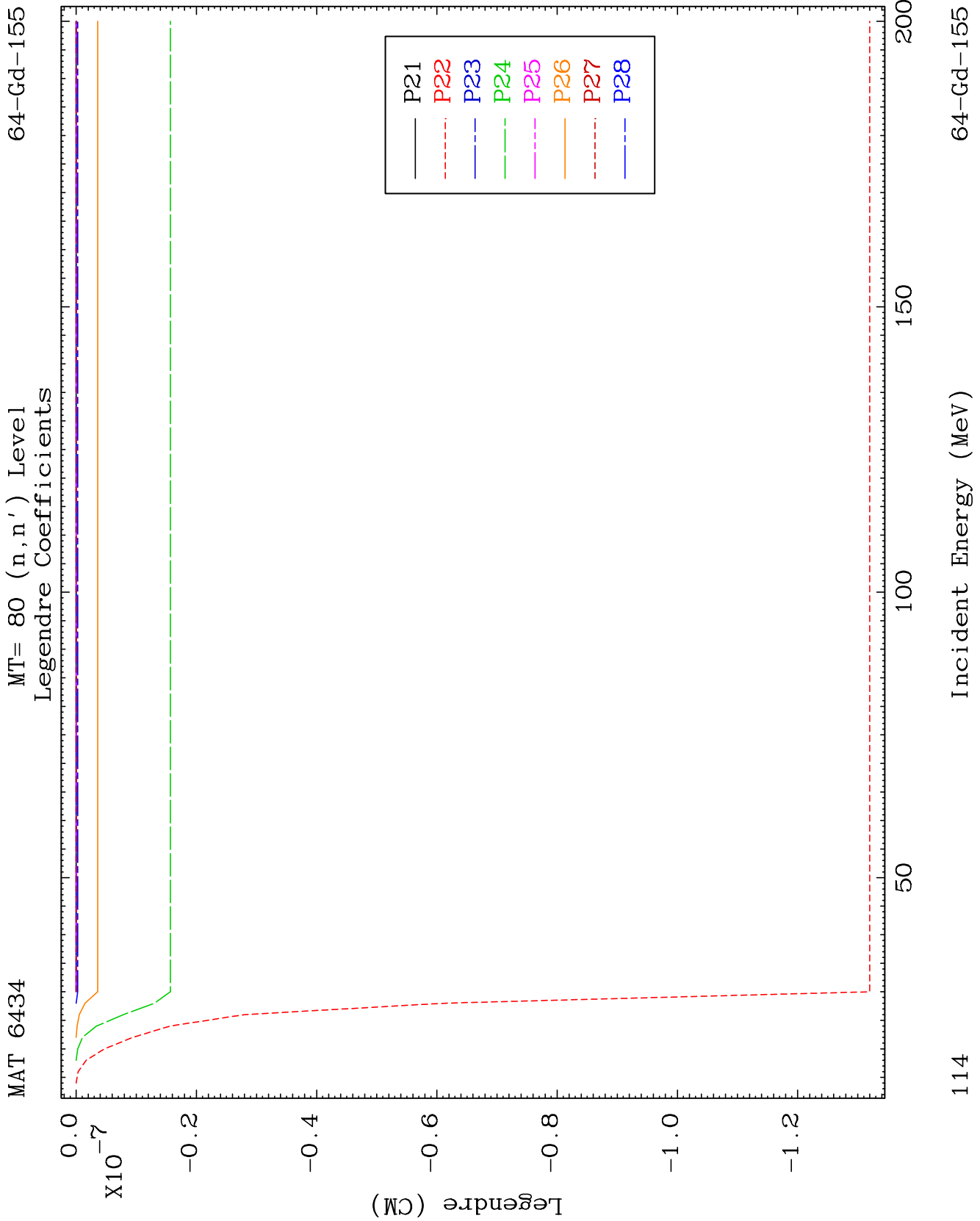
64-Gd-155



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64-Gd-155



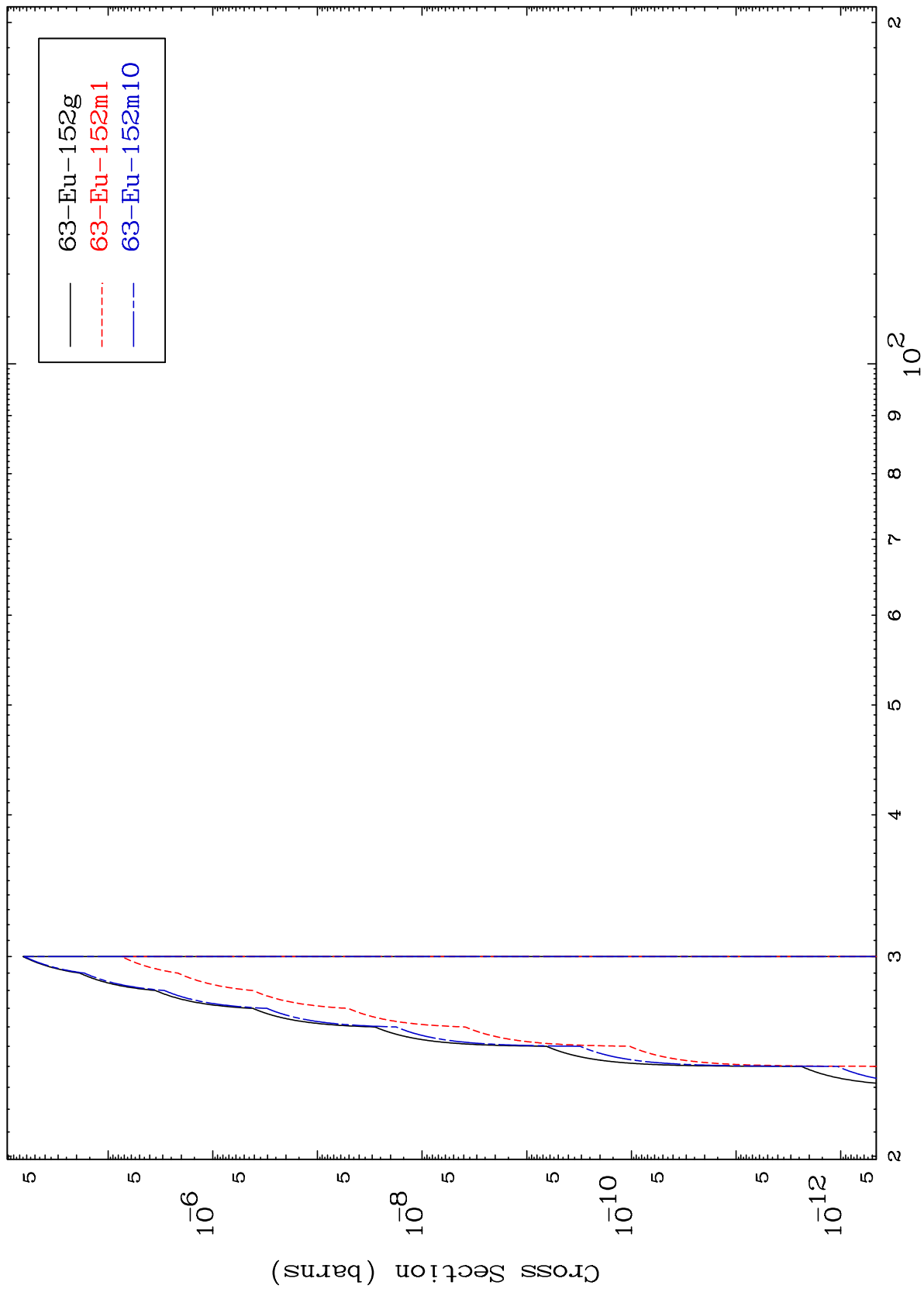


MAT 6434

(n,2n) d

64-Gd-155

Radionuclide Production Cross Section



115

Incident Energy (MeV)

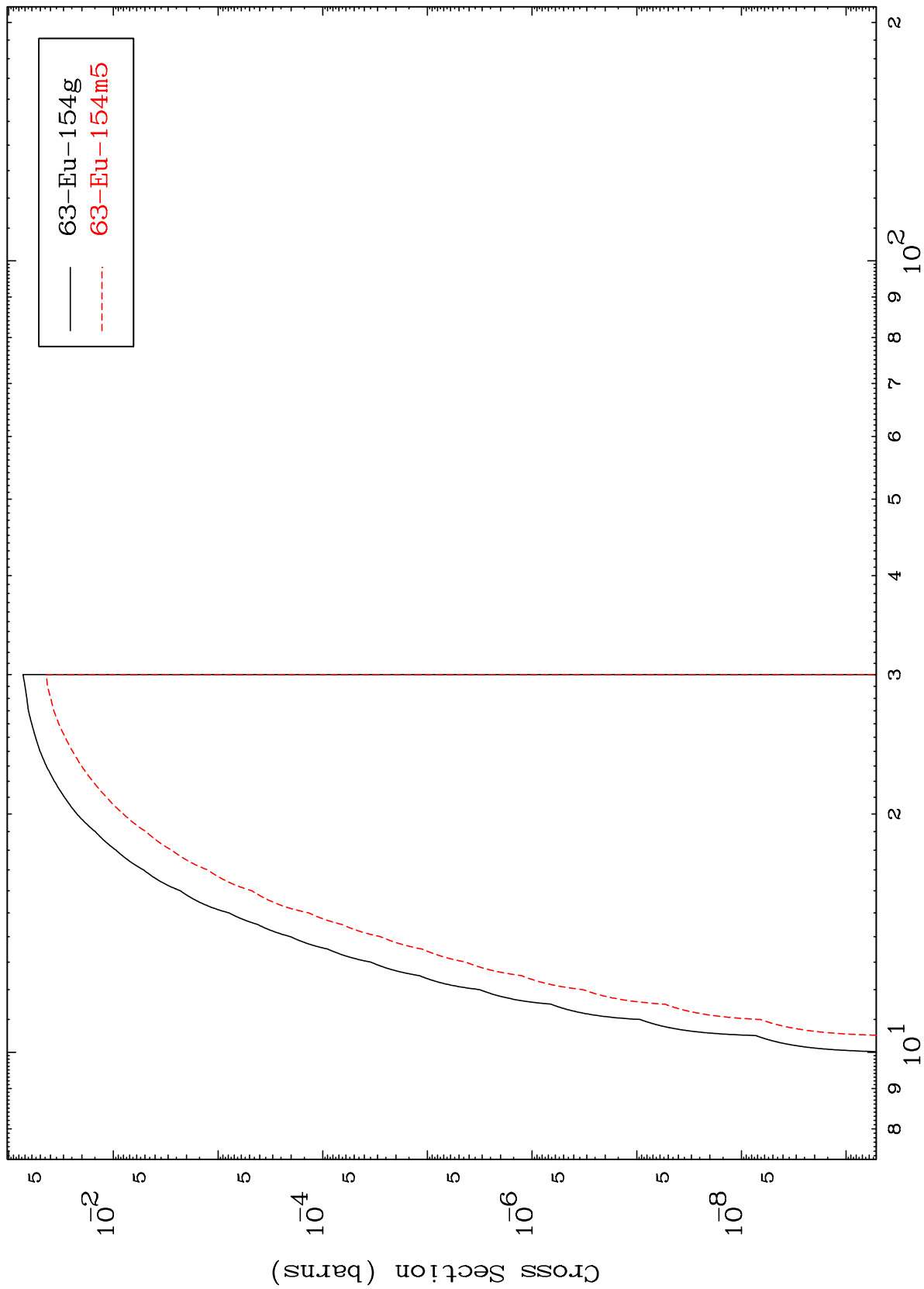
64-Gd-155

MAT 6434

(n,n') p

64-Gd-155

Radionuclide Production Cross Section

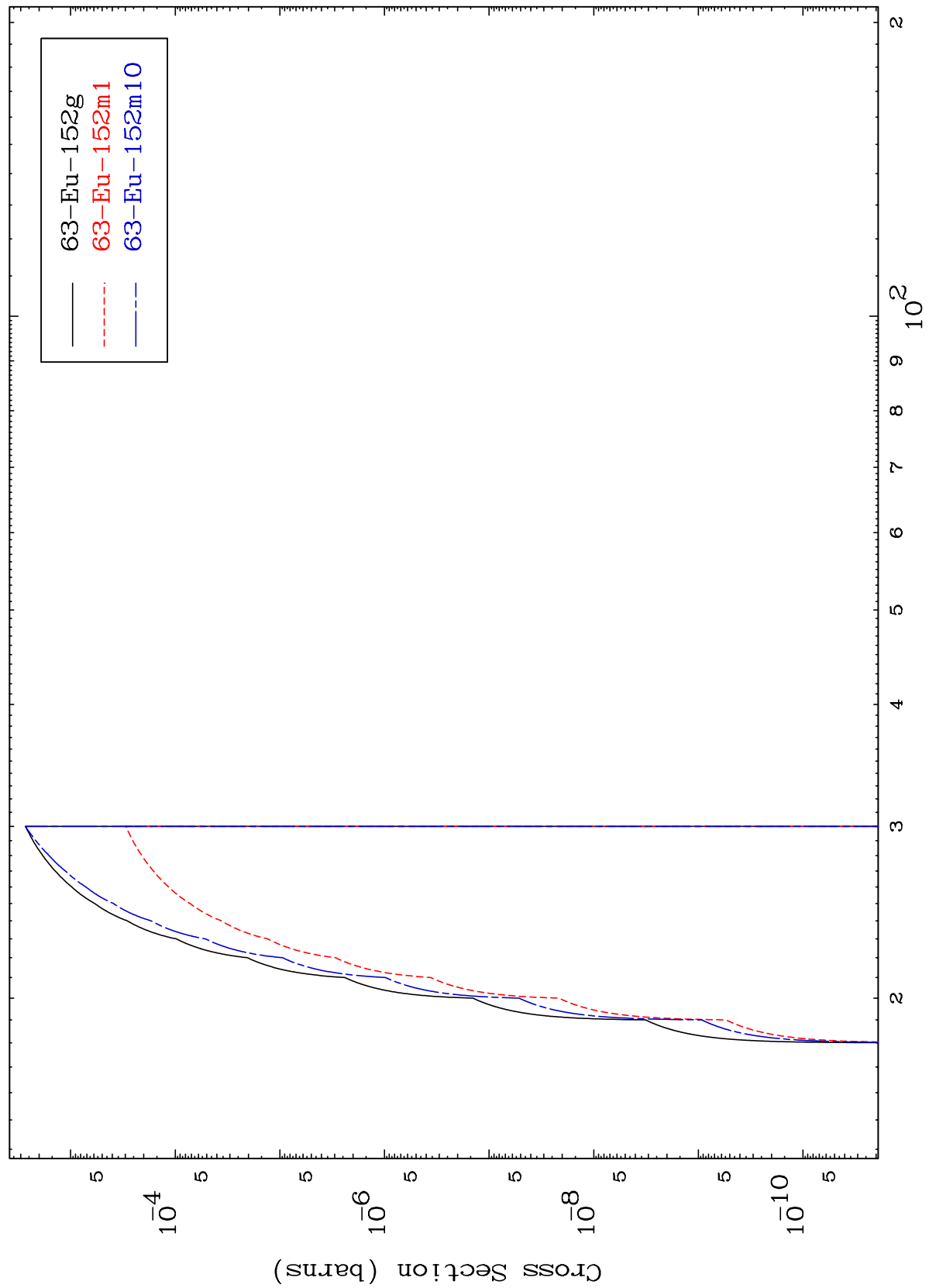


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Incident Energy (MeV)

64-Gd-155

Radionuclide Production Cross Section

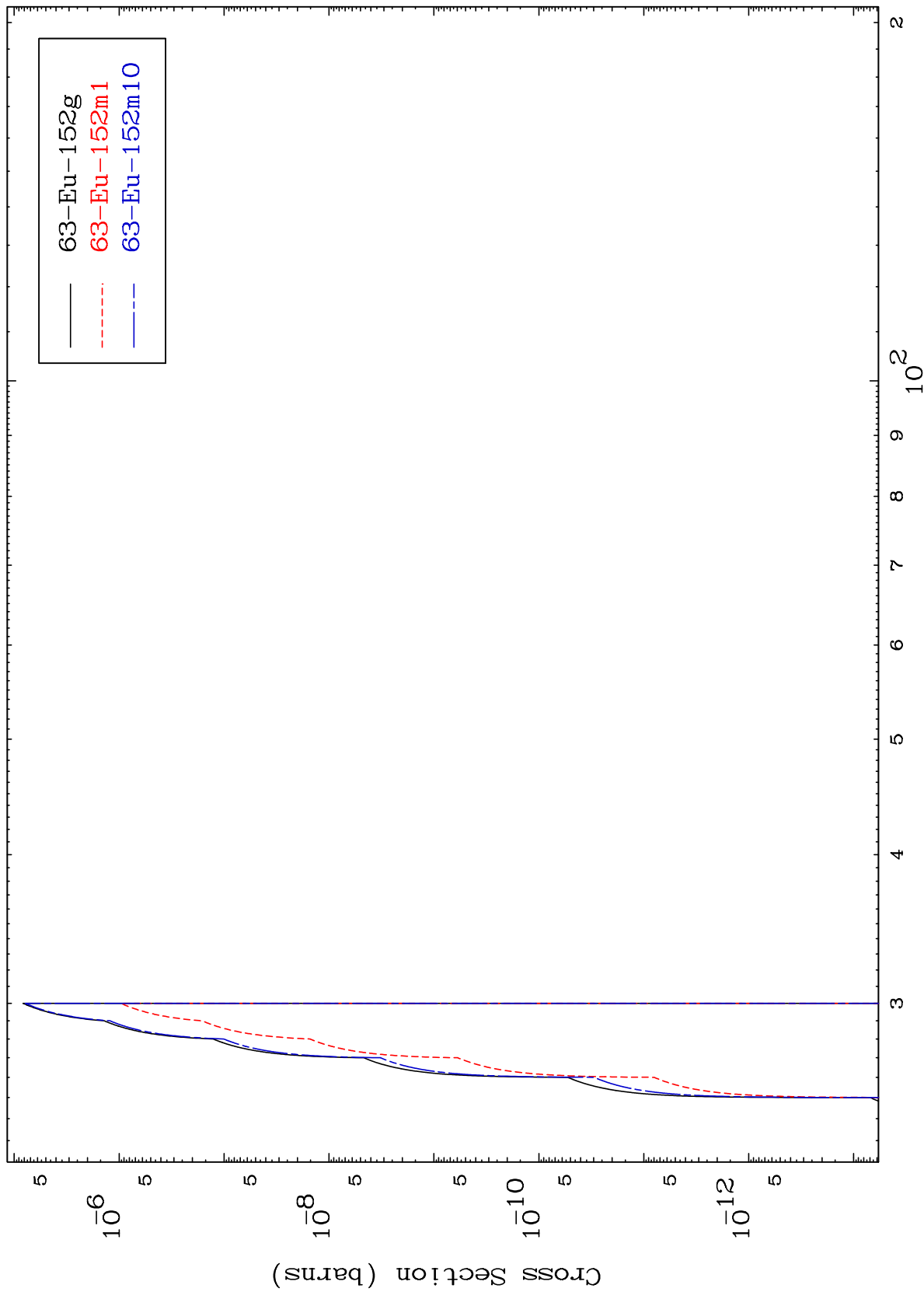


MAT 6434

(n,3n) p

64-Gd-155

Radionuclide Production Cross Section



118

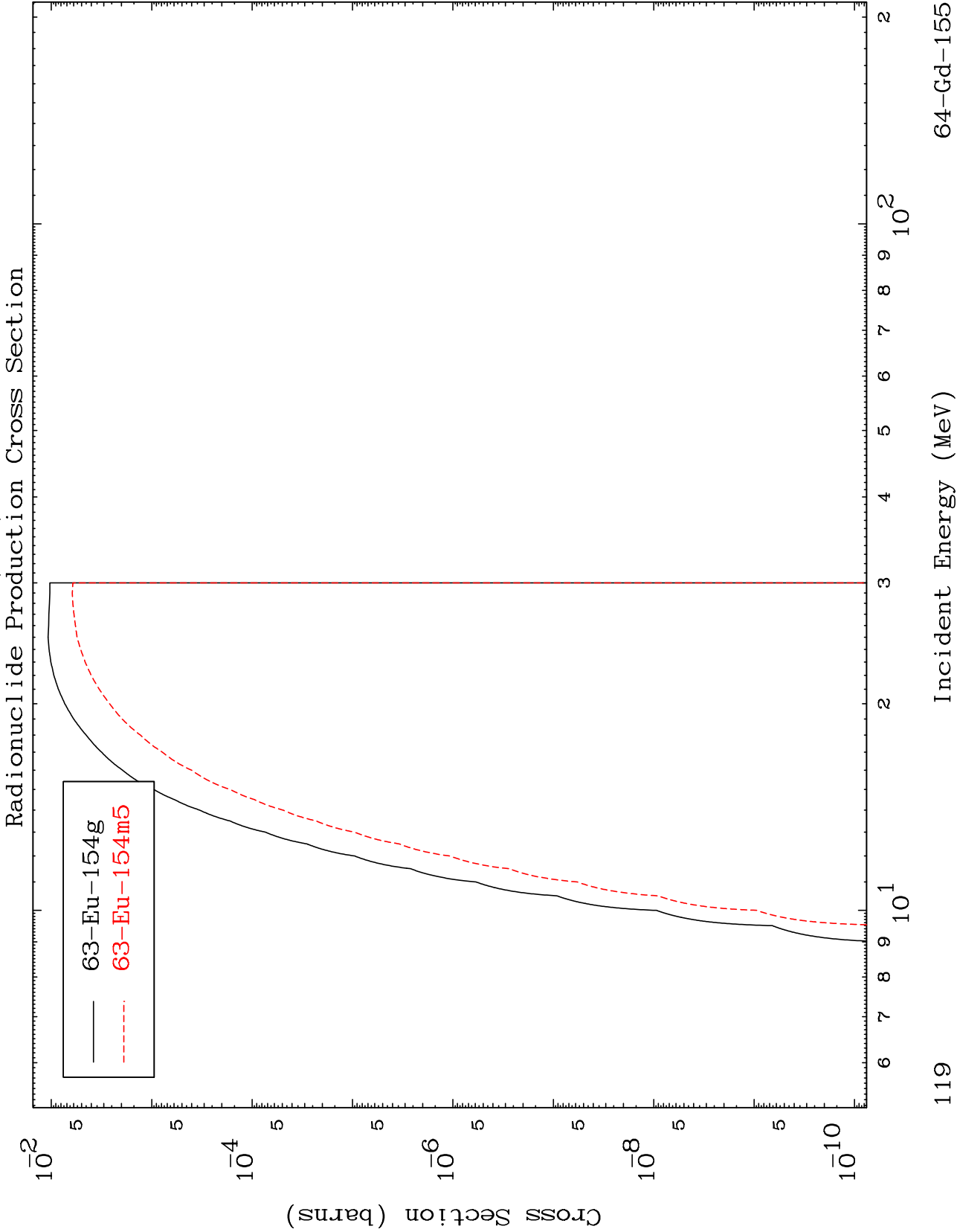
Incident Energy (MeV)

64-Gd-155

MAT 6434

(n,d)

64-Gd-155



119

Incident Energy (MeV)

64-Gd-155