

Program EVALPLOT  
(Version 2018-1)

by

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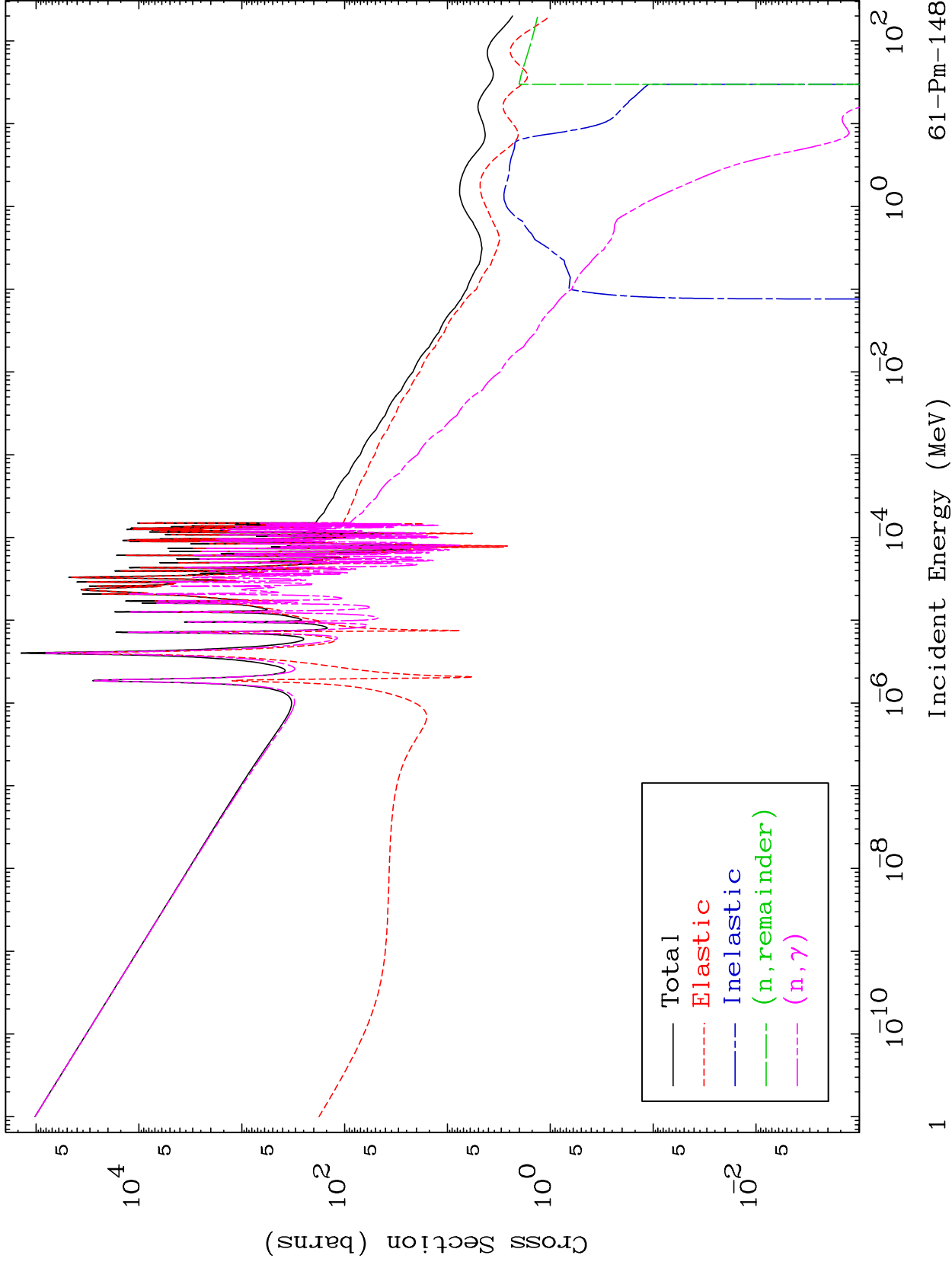
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Press Mouse Button to Start

MAT 6152

Major  
293 Kelvin Cross Sections

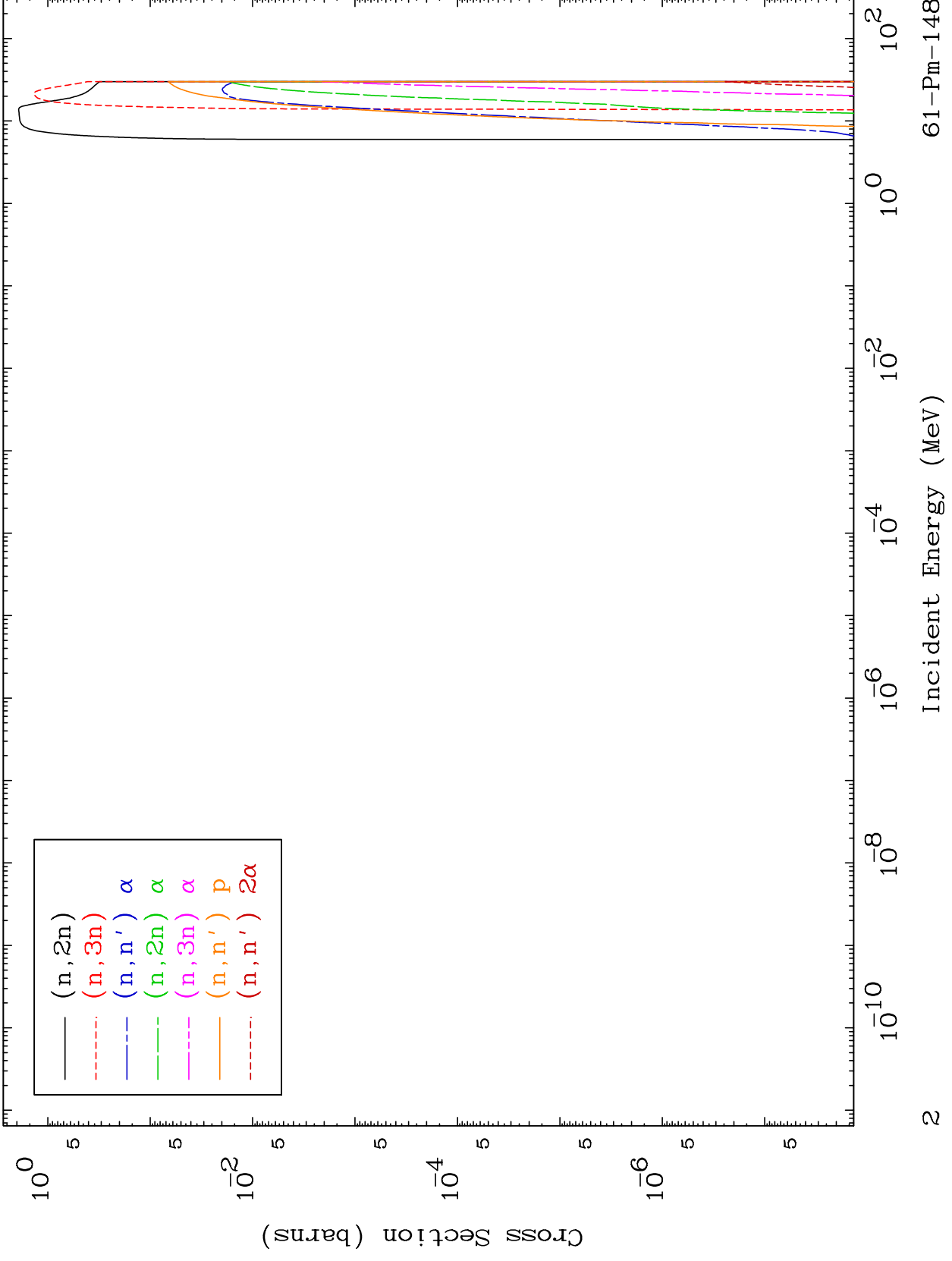
61-Pm-148



MAT 6152

Neutron Production  
293 Kelvin Cross Sections

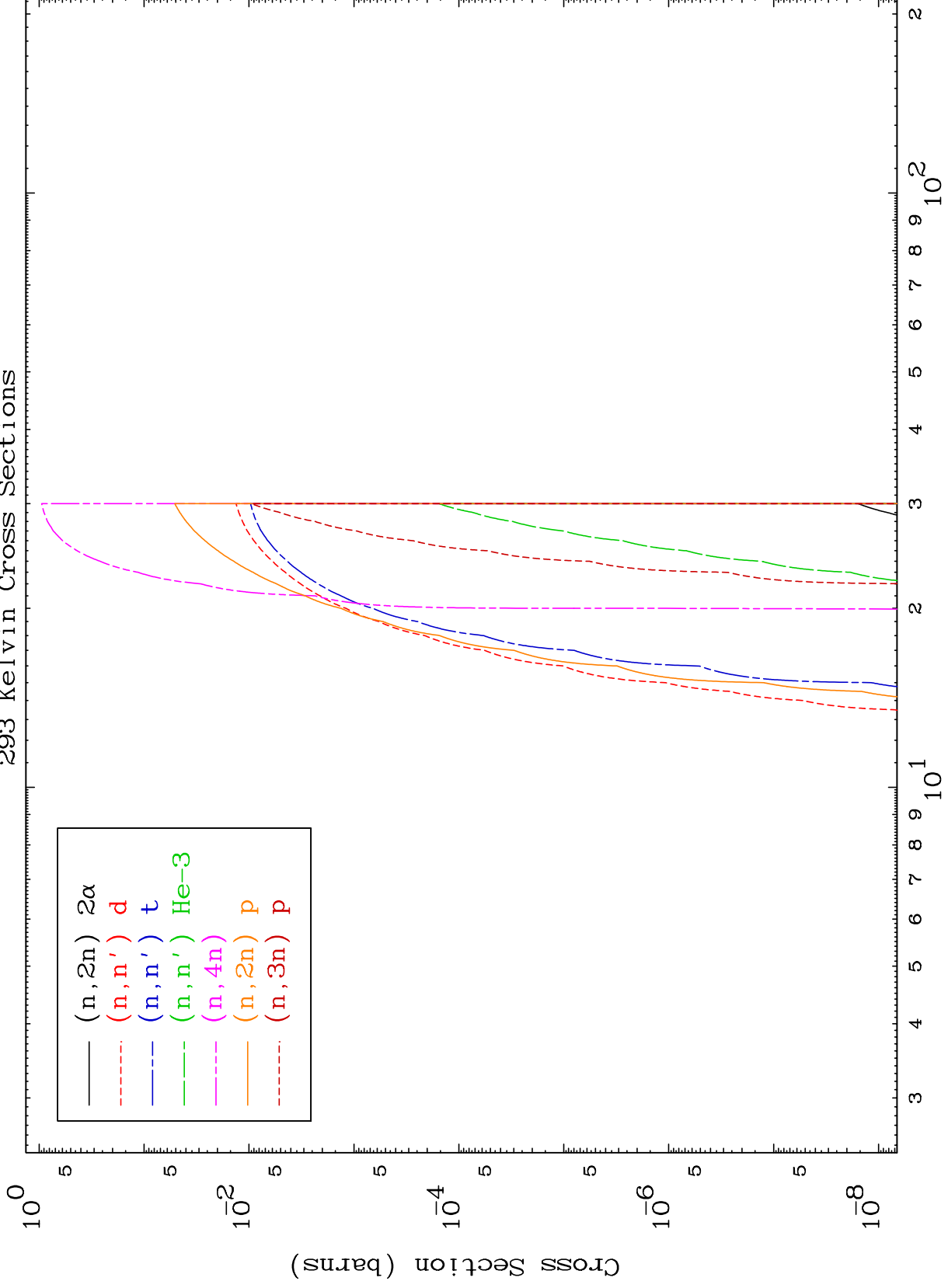
61-Pm-148



MAT 6152

Neutron Production  
293 Kelvin Cross Sections

61-Pm-148



3

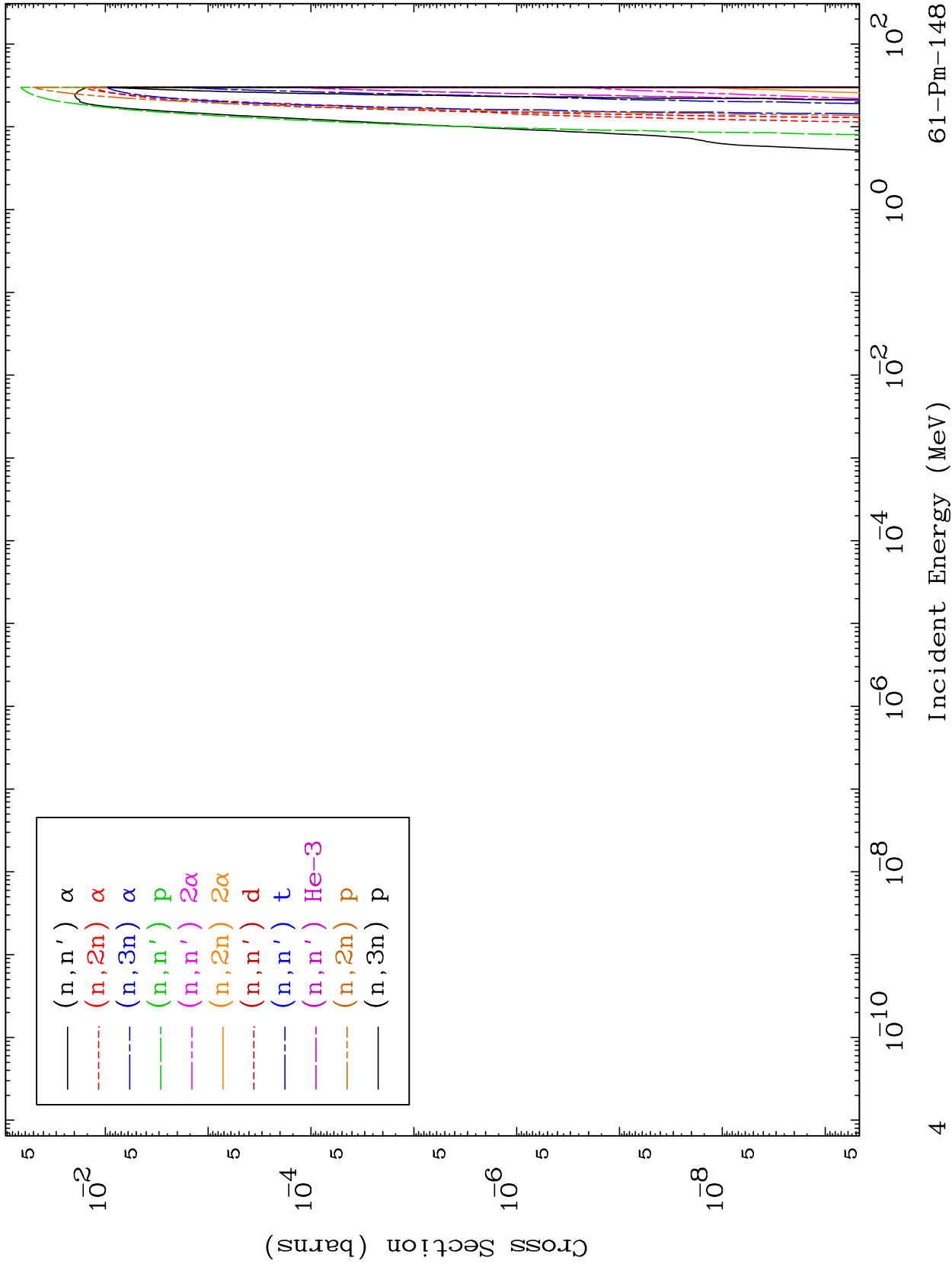
Incident Energy (MeV)

61-Pm-148

MAT 6152

Charged Particle  
293 Kelvin Cross Sections

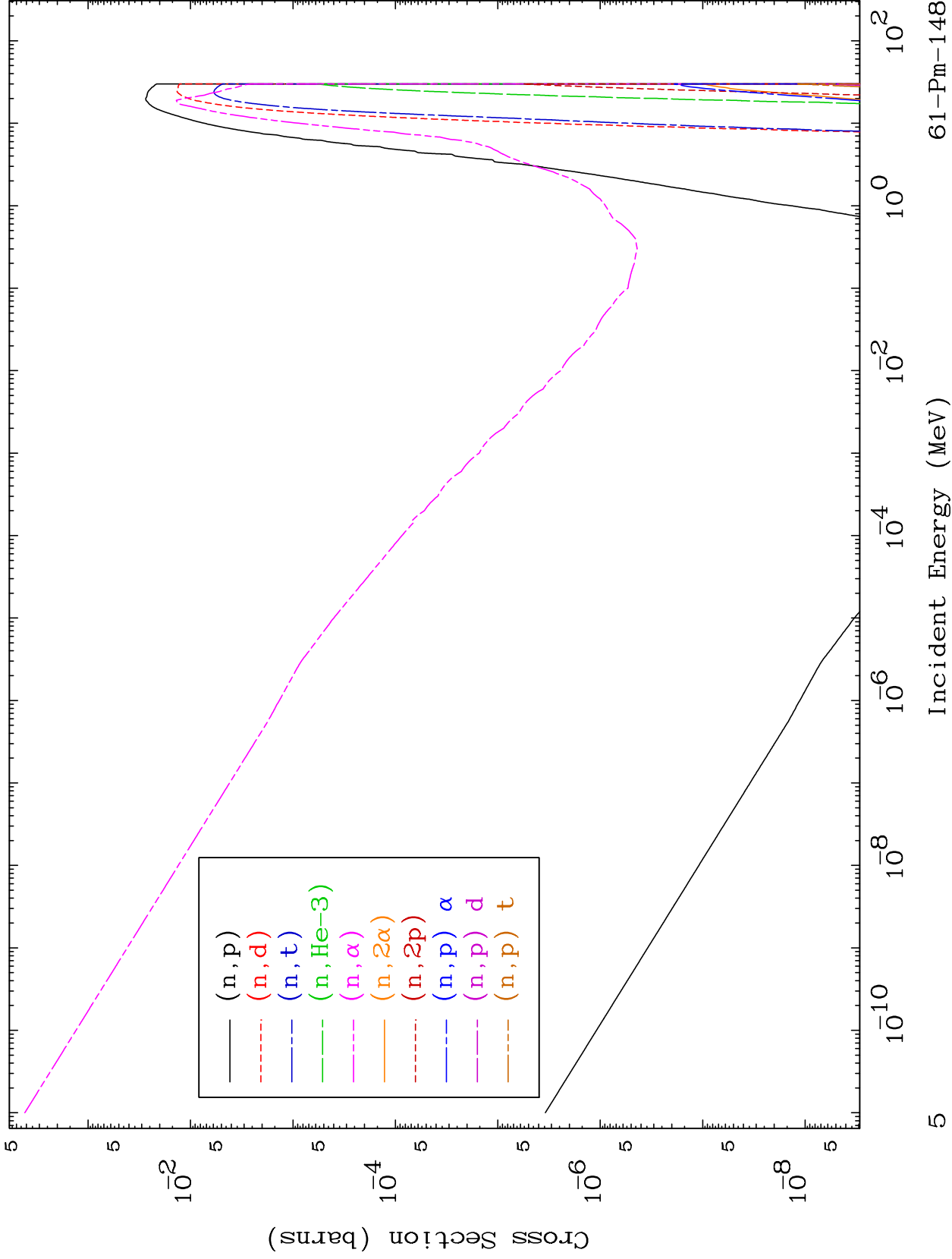
61-Pm-148



MAT 6152

Charged Particle  
293 Kelvin Cross Sections

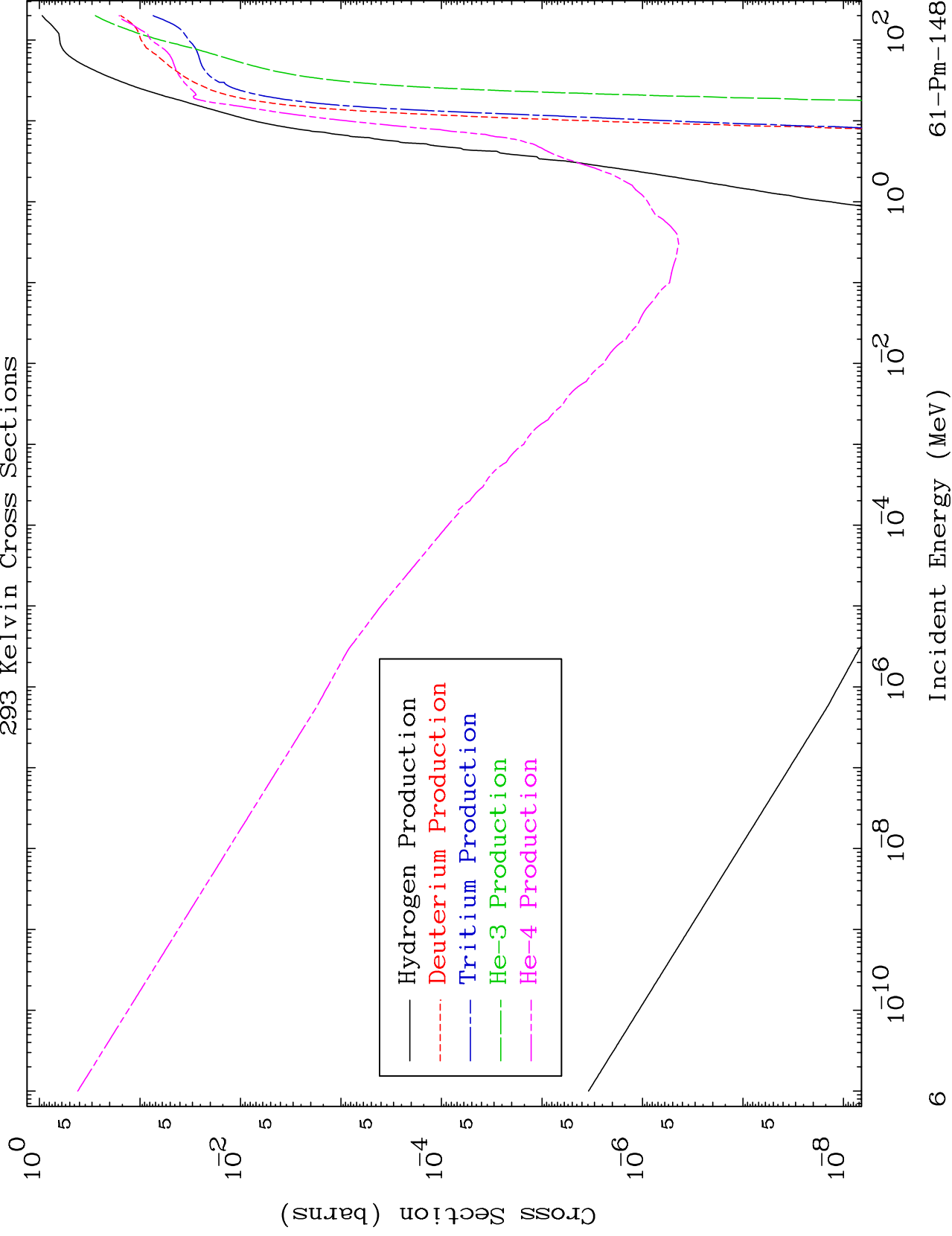
61-Pm-148



MAT 6152

Particle Production  
293 Kelvin Cross Sections

61-Pm-148

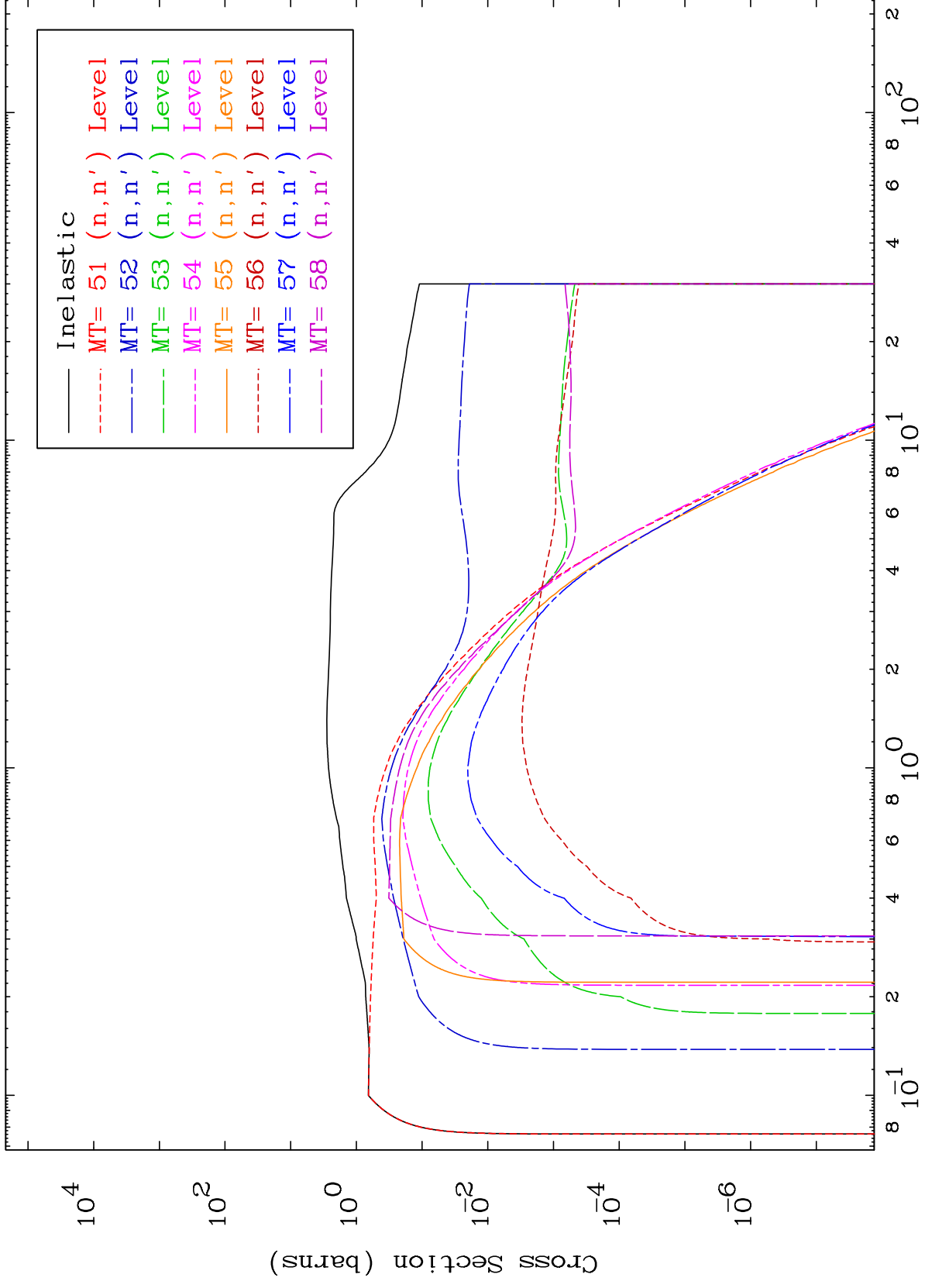


MAT 6152

(n,n') Level

61-Pm-148

293 Kelvin Cross Sections



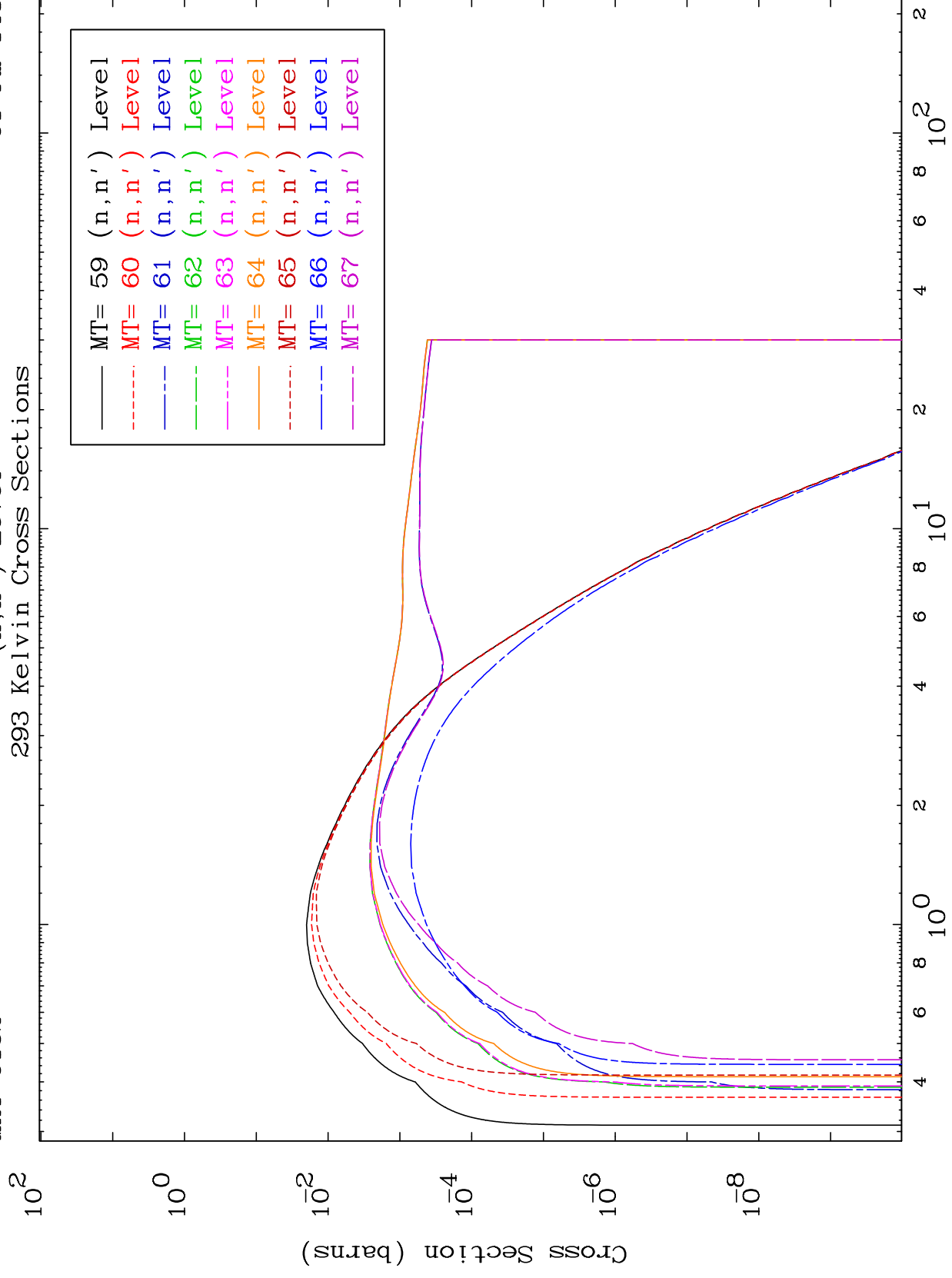


MAT 6152

(n,n') Level

293 Kelvin Cross Sections

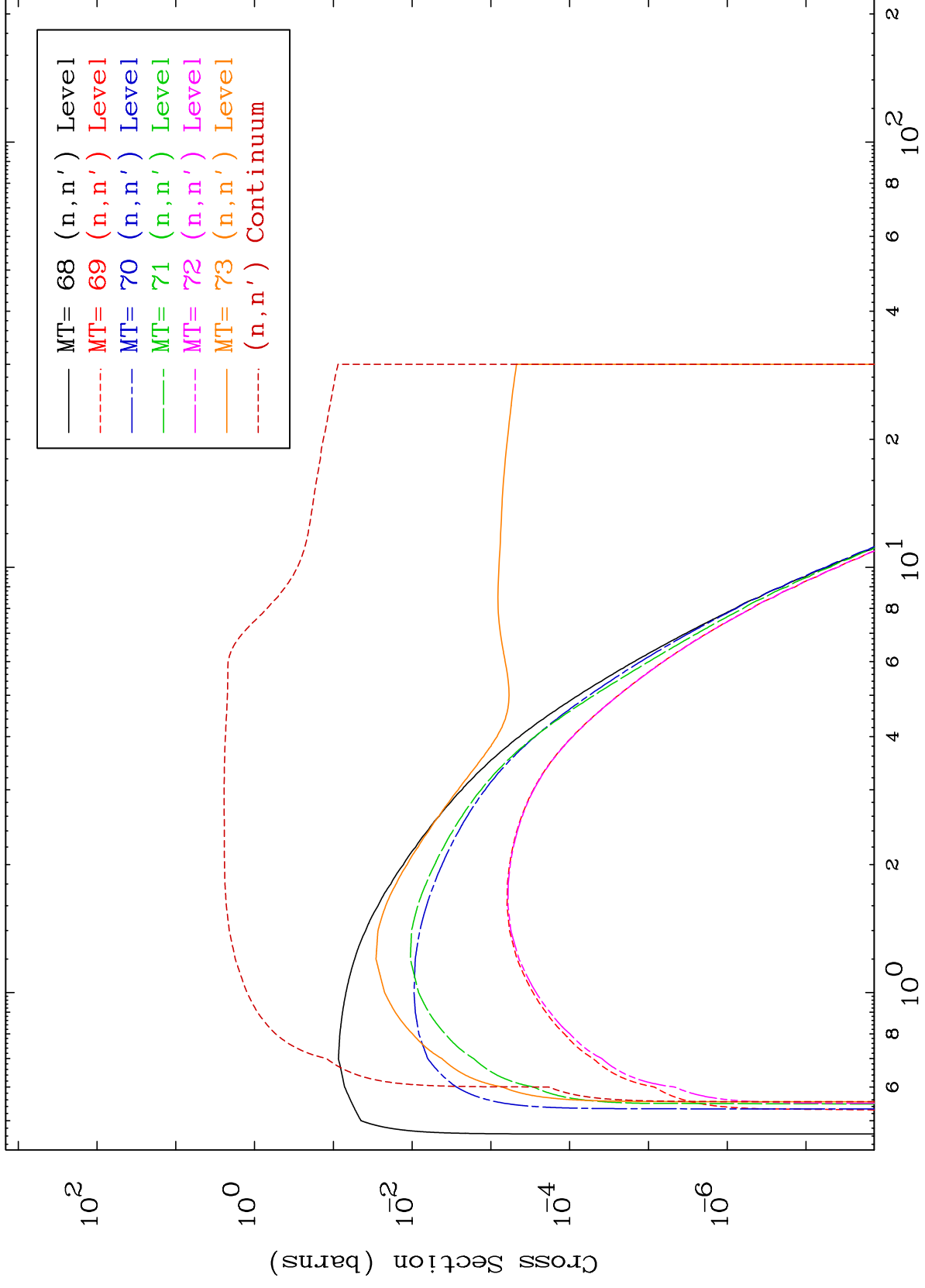
61-Pm-148



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Incident Energy (MeV)

61-Pm-148

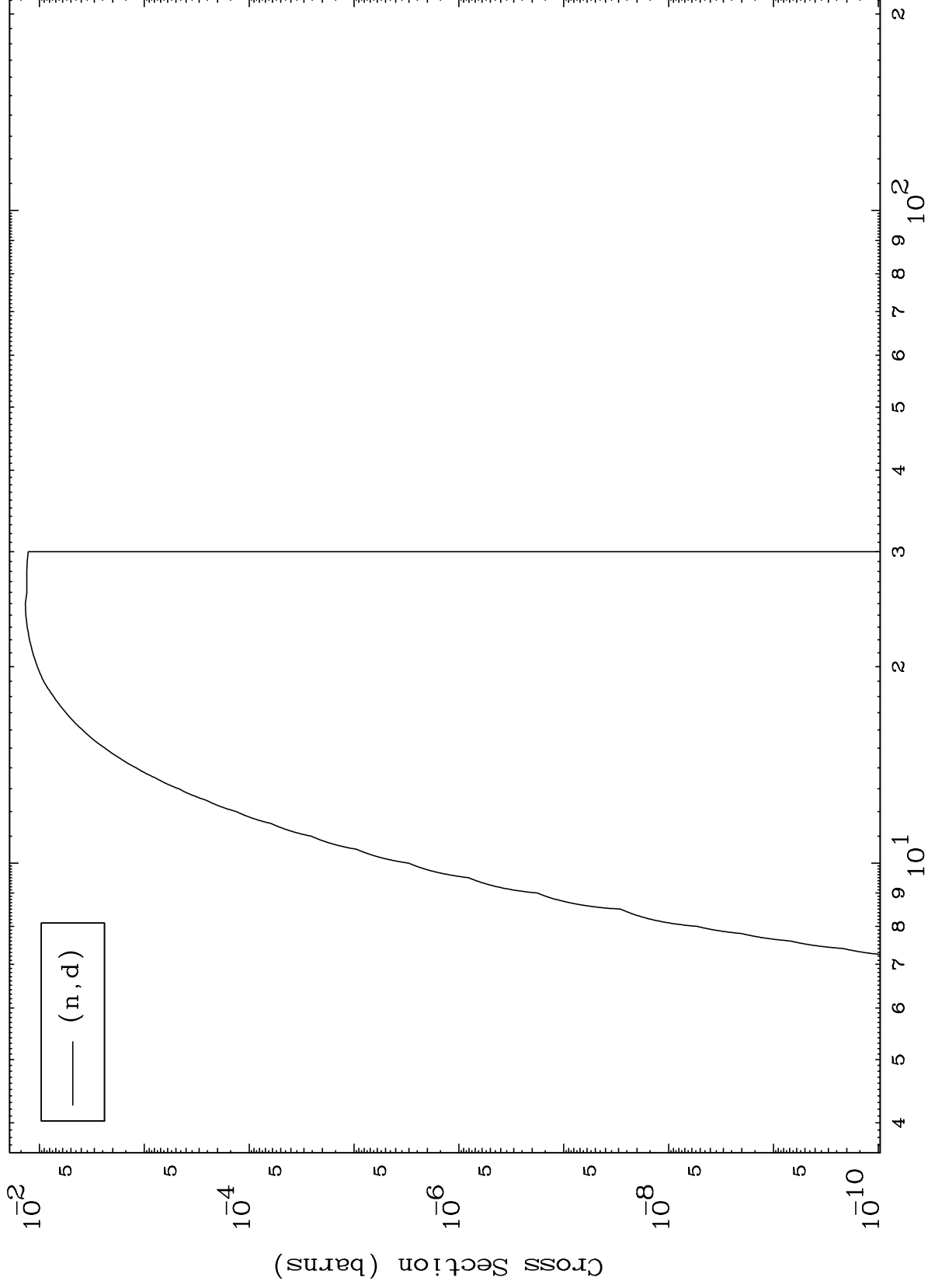




MAT 6152

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-148



11

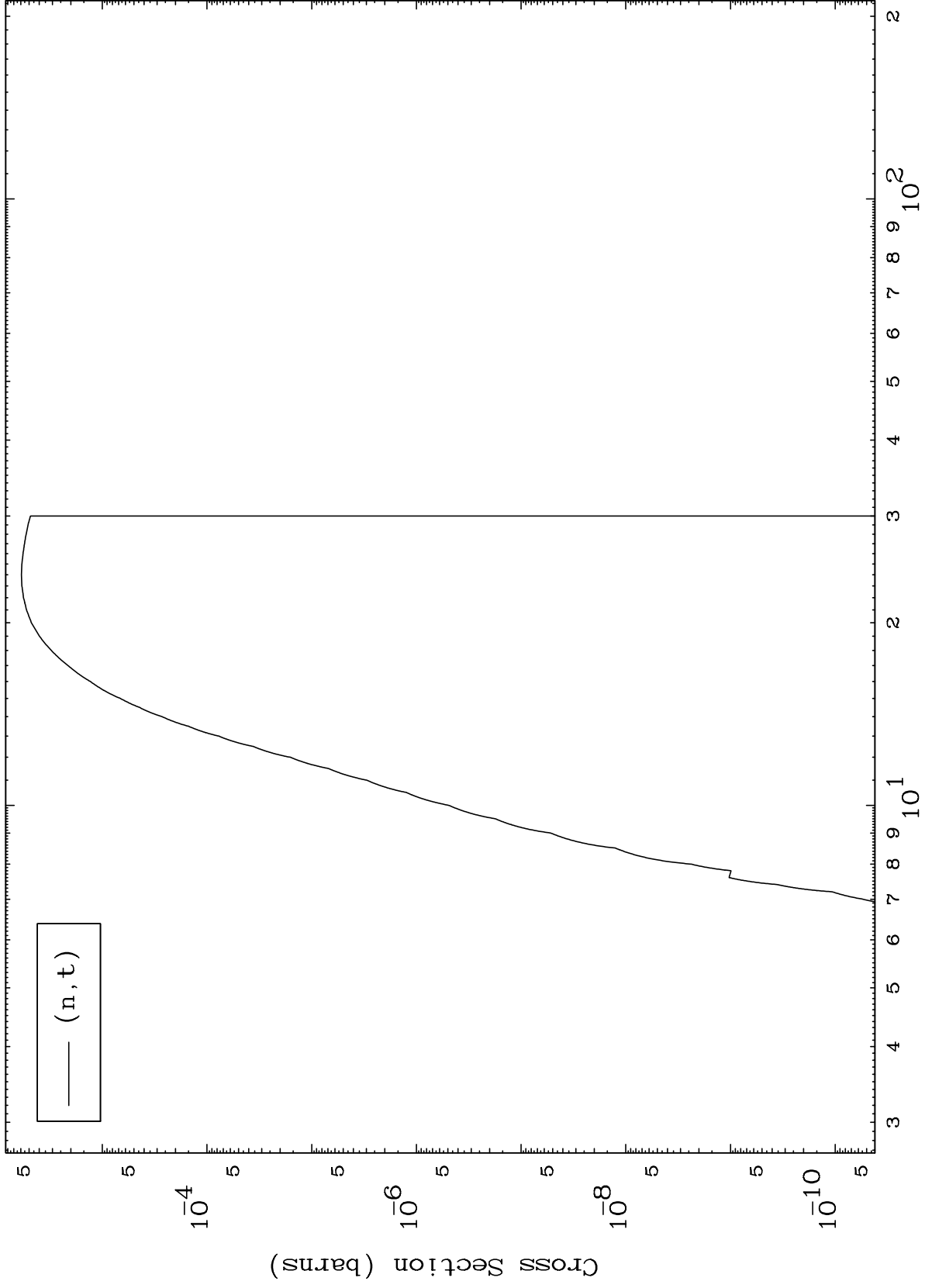
Incident Energy (MeV)

61-Pm-148

MAT 6152

(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-148



(n,t)

61-Pm-148

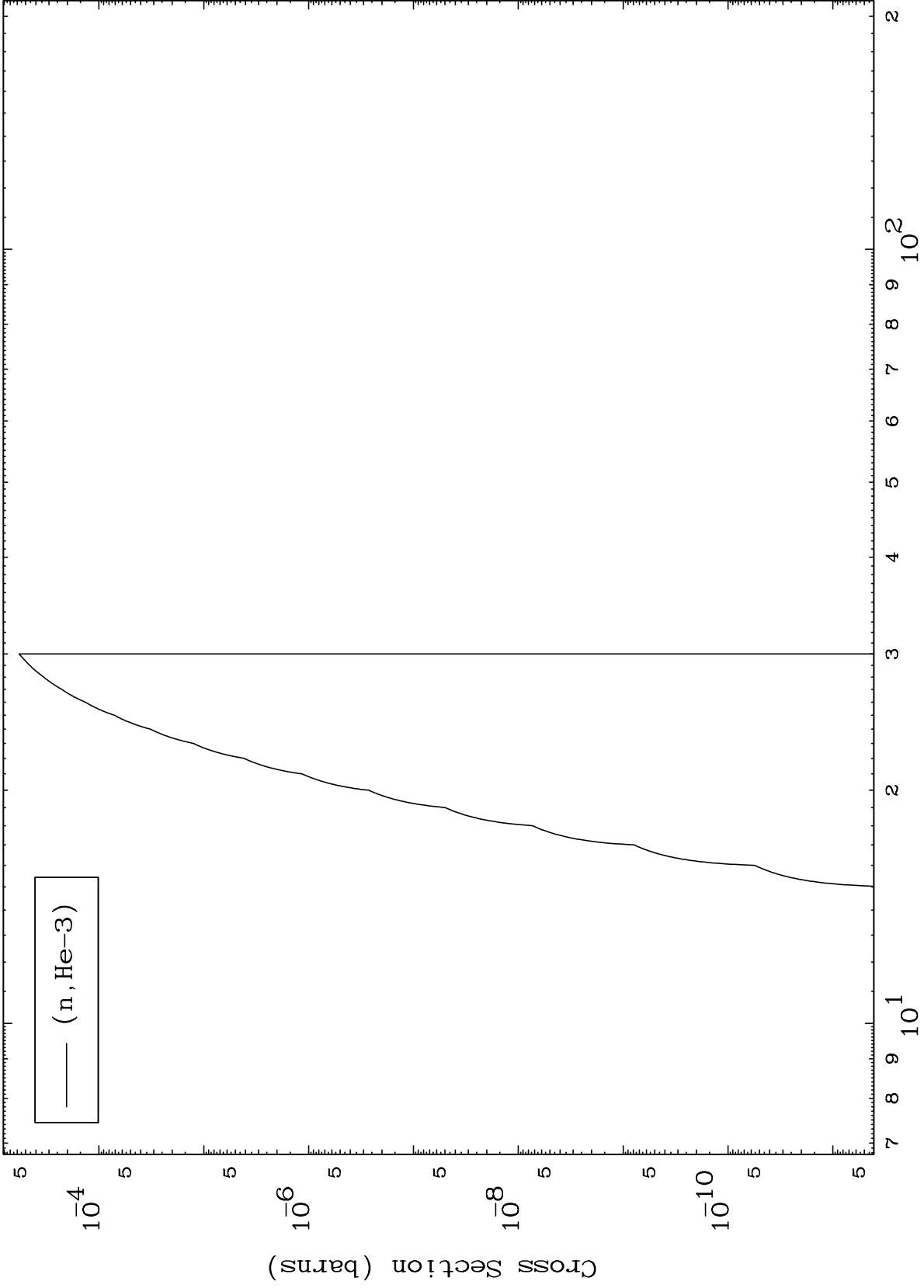
Incident Energy (MeV)

12

MAT 6152

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-148



13

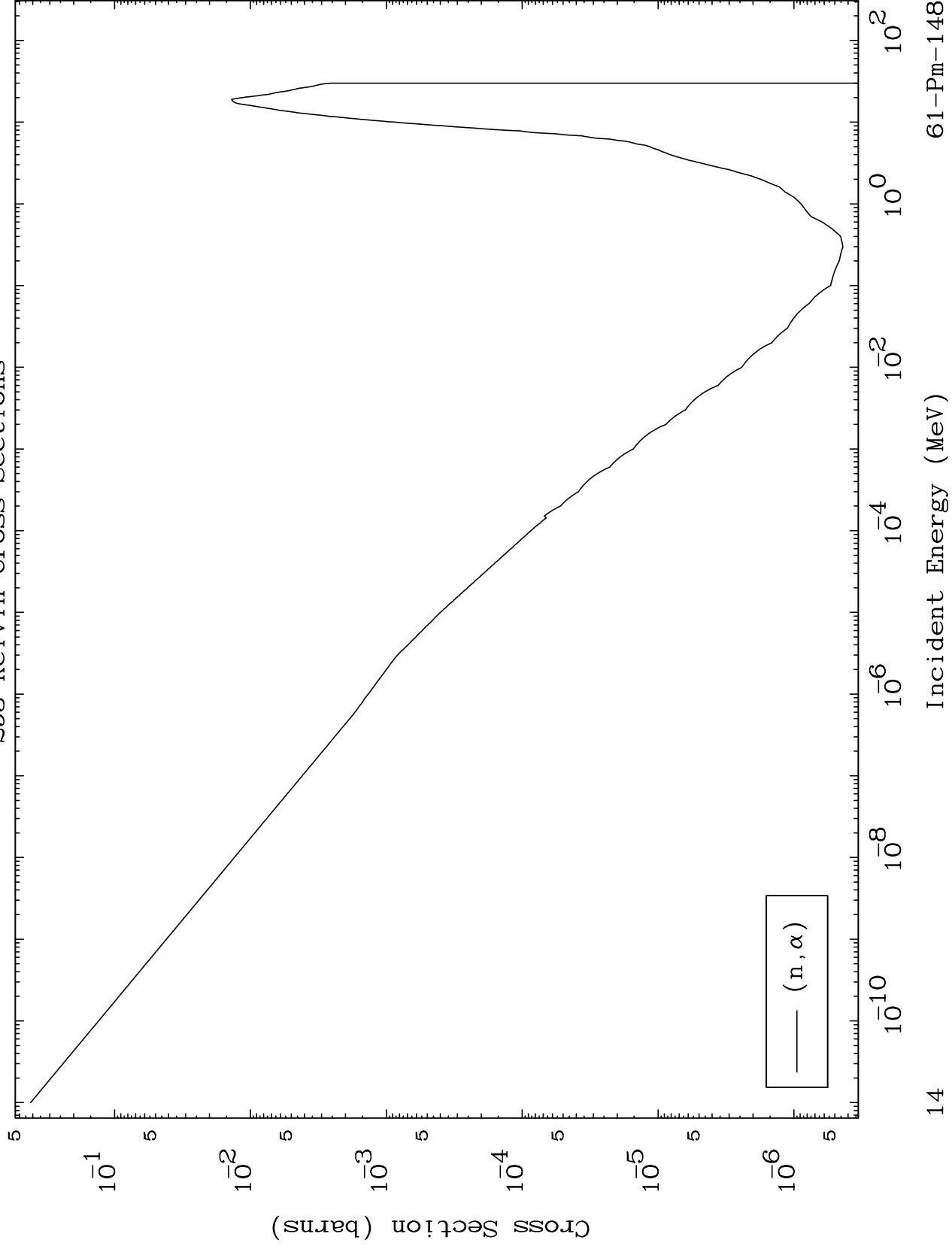
Incident Energy (MeV)

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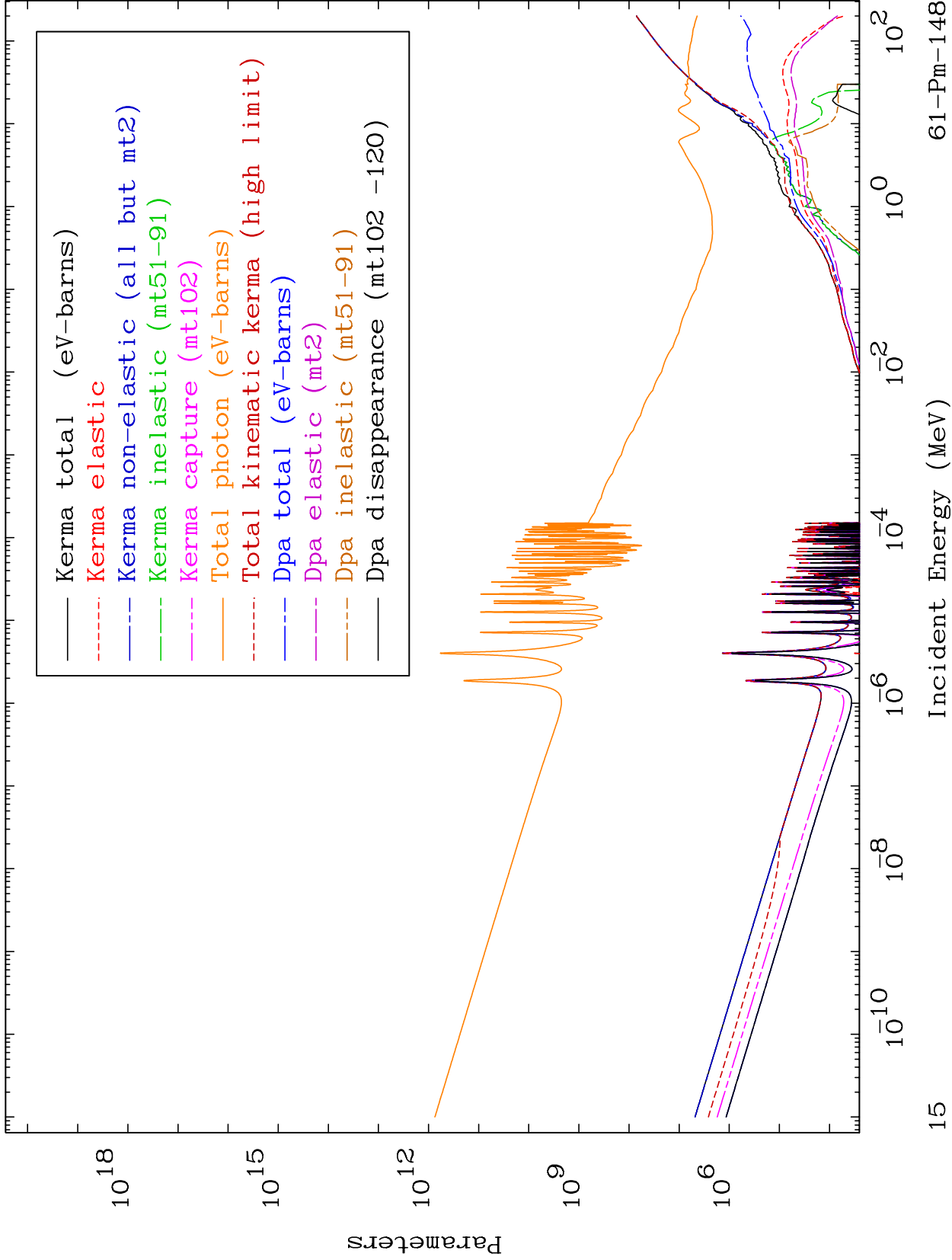
MAT 6152

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

61-Pm-148



14

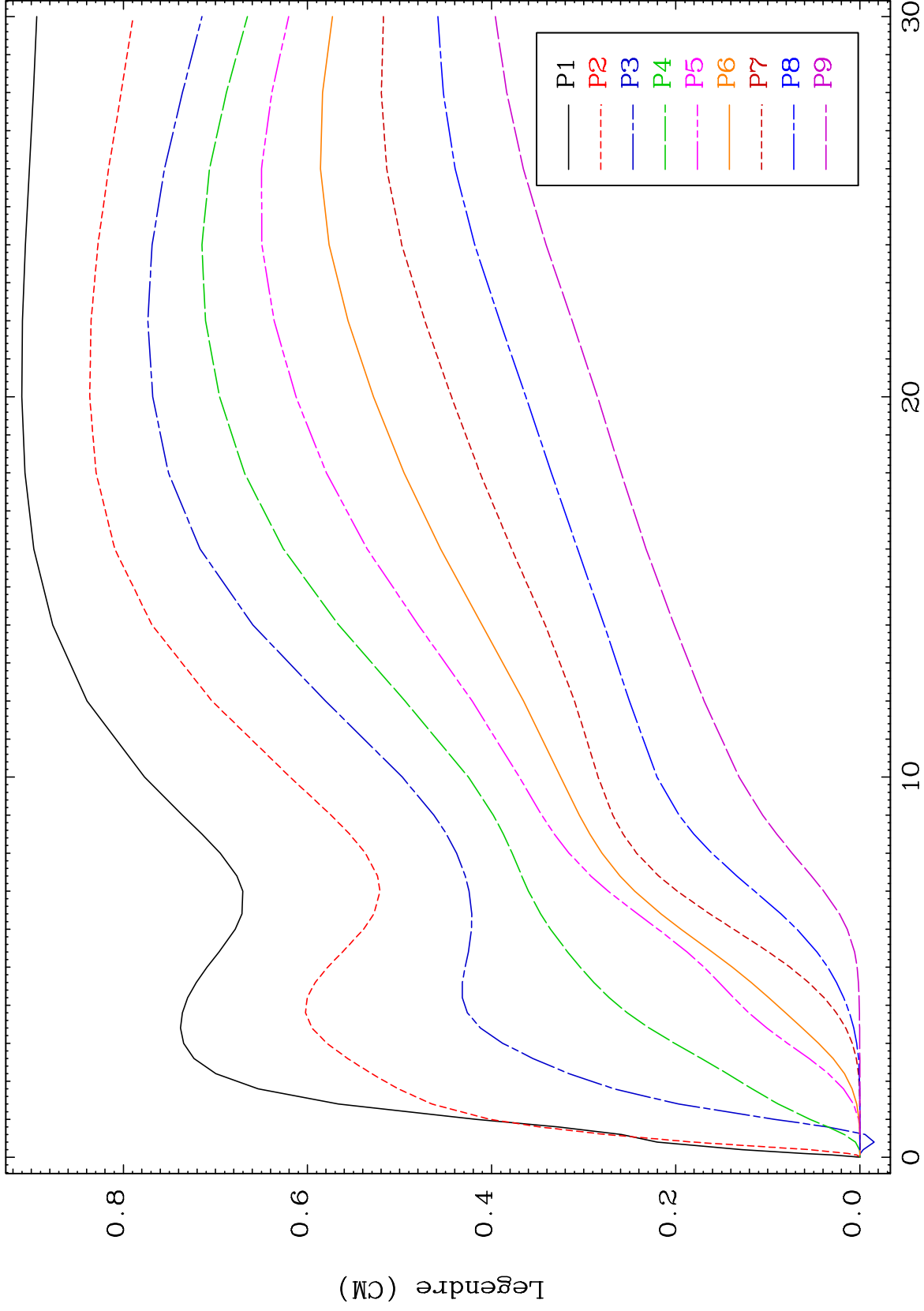




MAT 6152

Elastic Legendre Coefficients

61-Pm-148



16

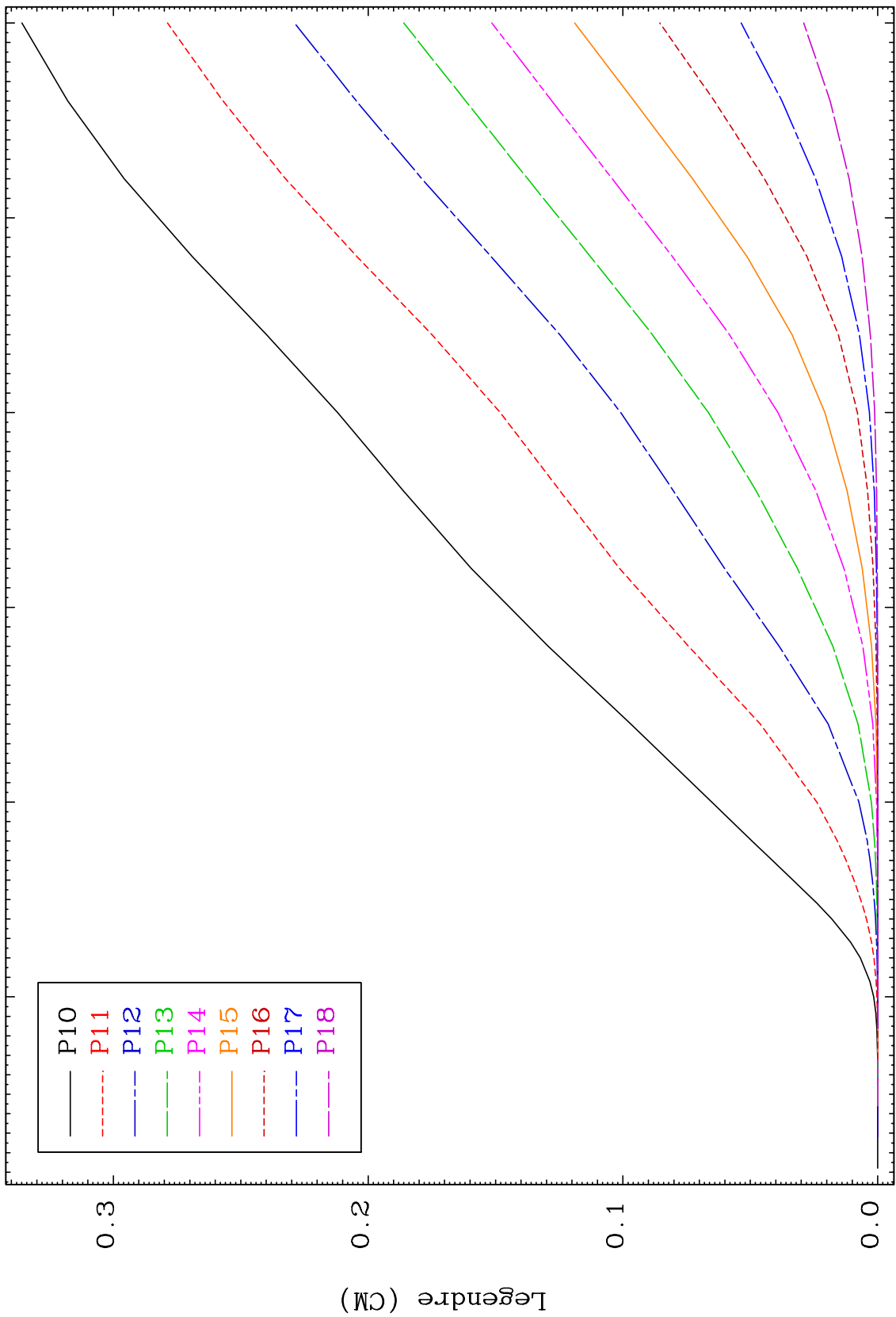
Incident Energy (MeV)

61-Pm-148

MAT 6152

Elastic  
Legendre Coefficients

61-Pm-148



17

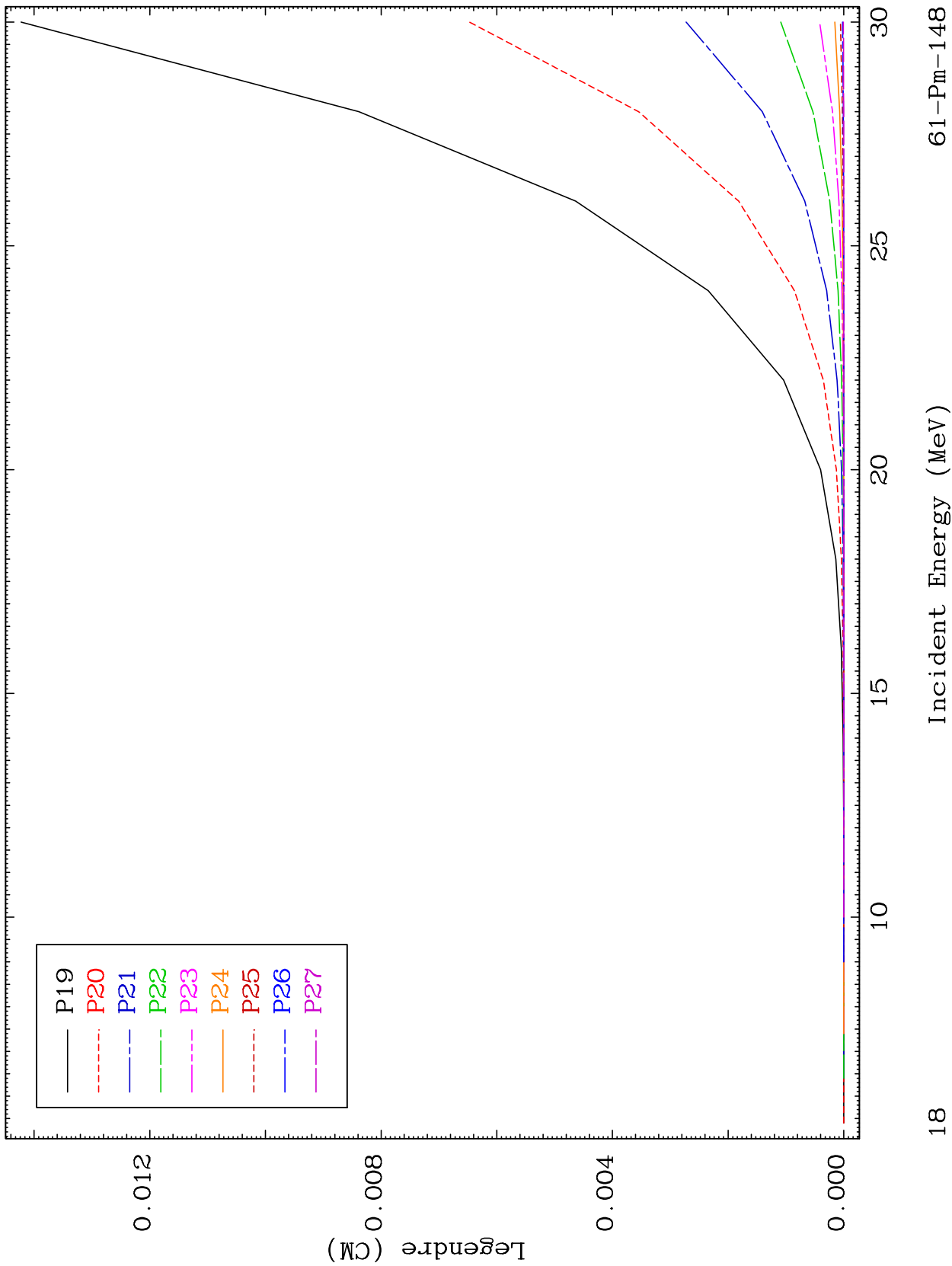
Incident Energy (MeV)

61-Pm-148

MAT 6152

### Elastic Legendre Coefficients

61-Pm-148



18

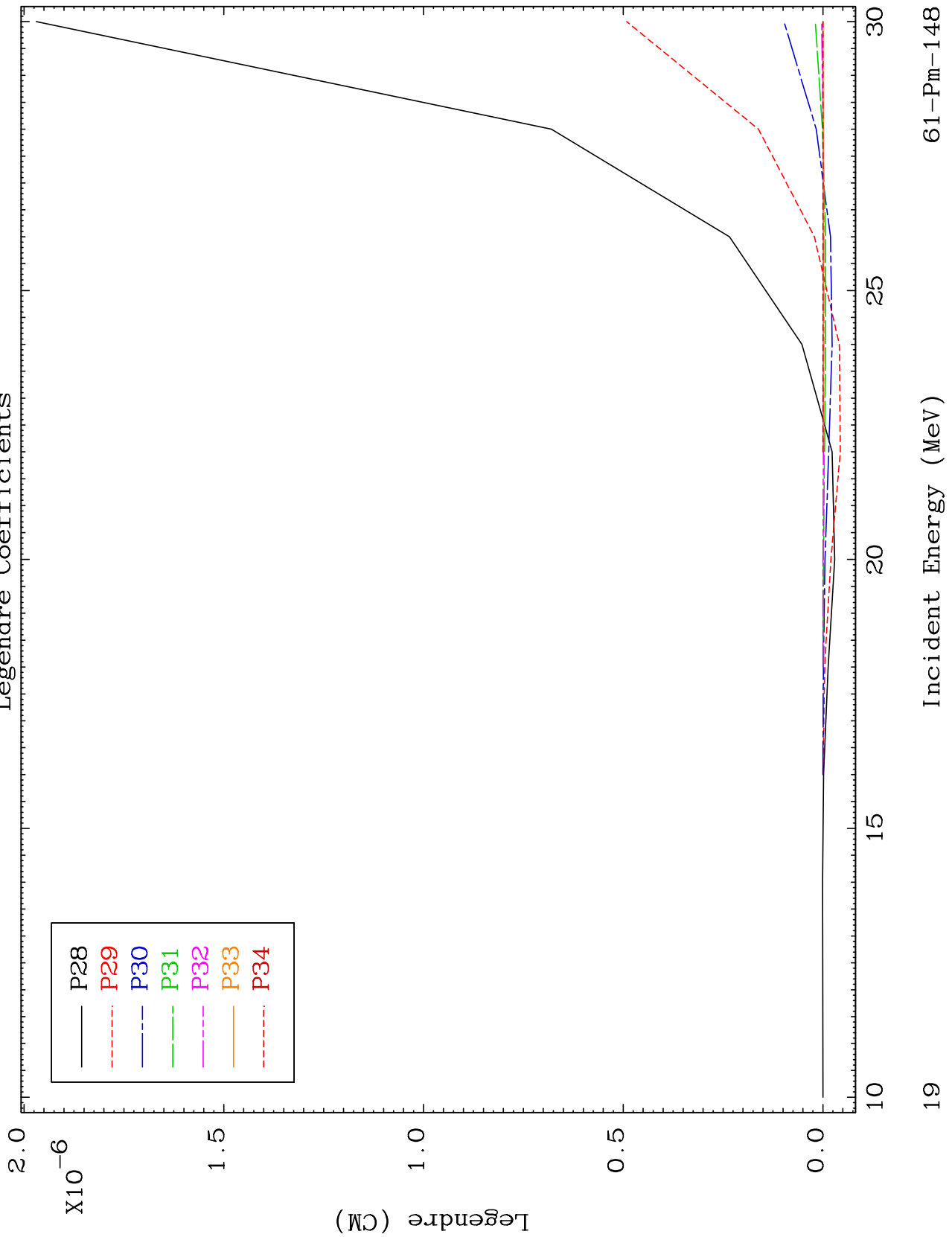
Incident Energy (MeV)

61-Pm-148

MAT 6152

Elastic Legendre Coefficients

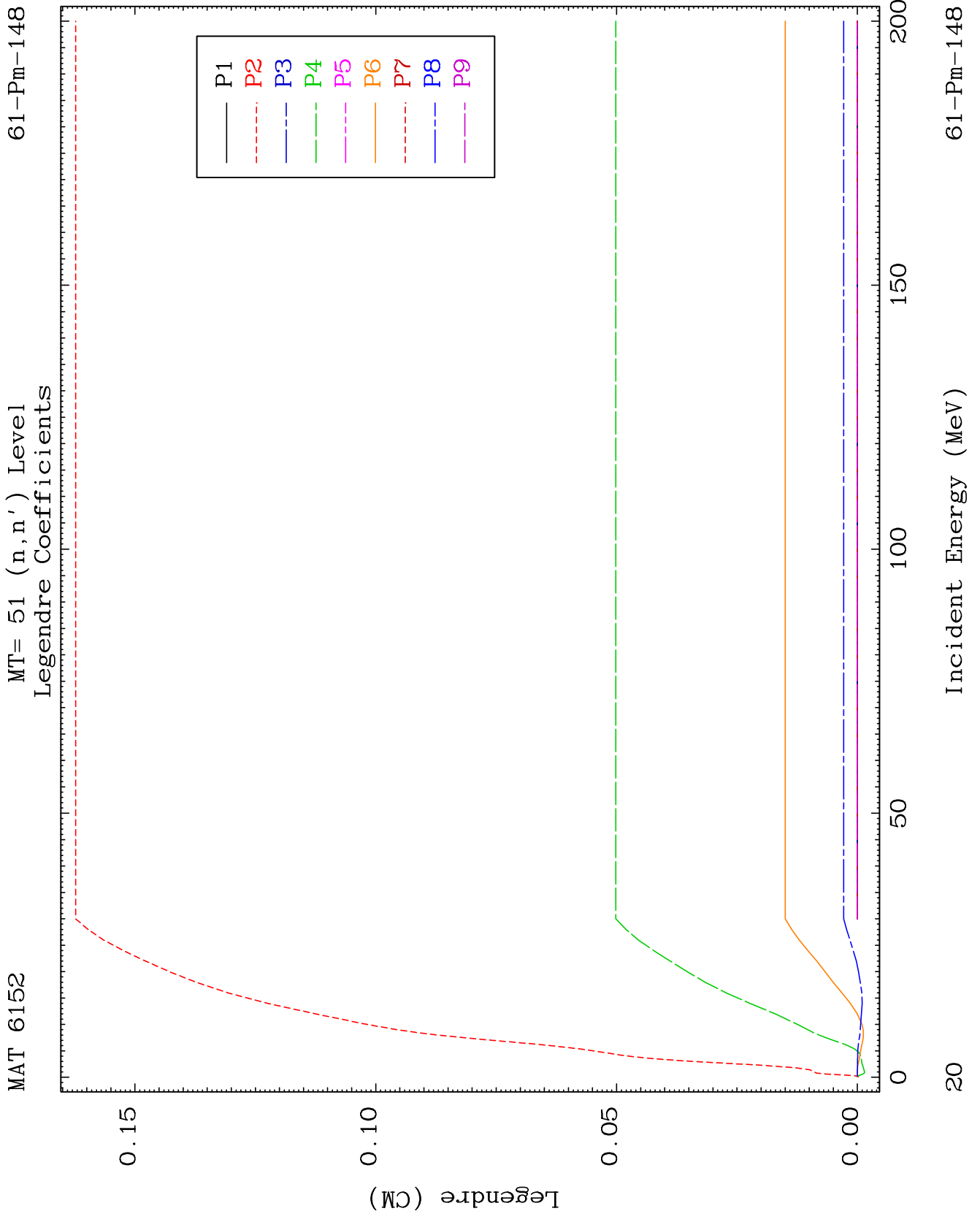
61-Pm-148



19

Incident Energy (MeV)

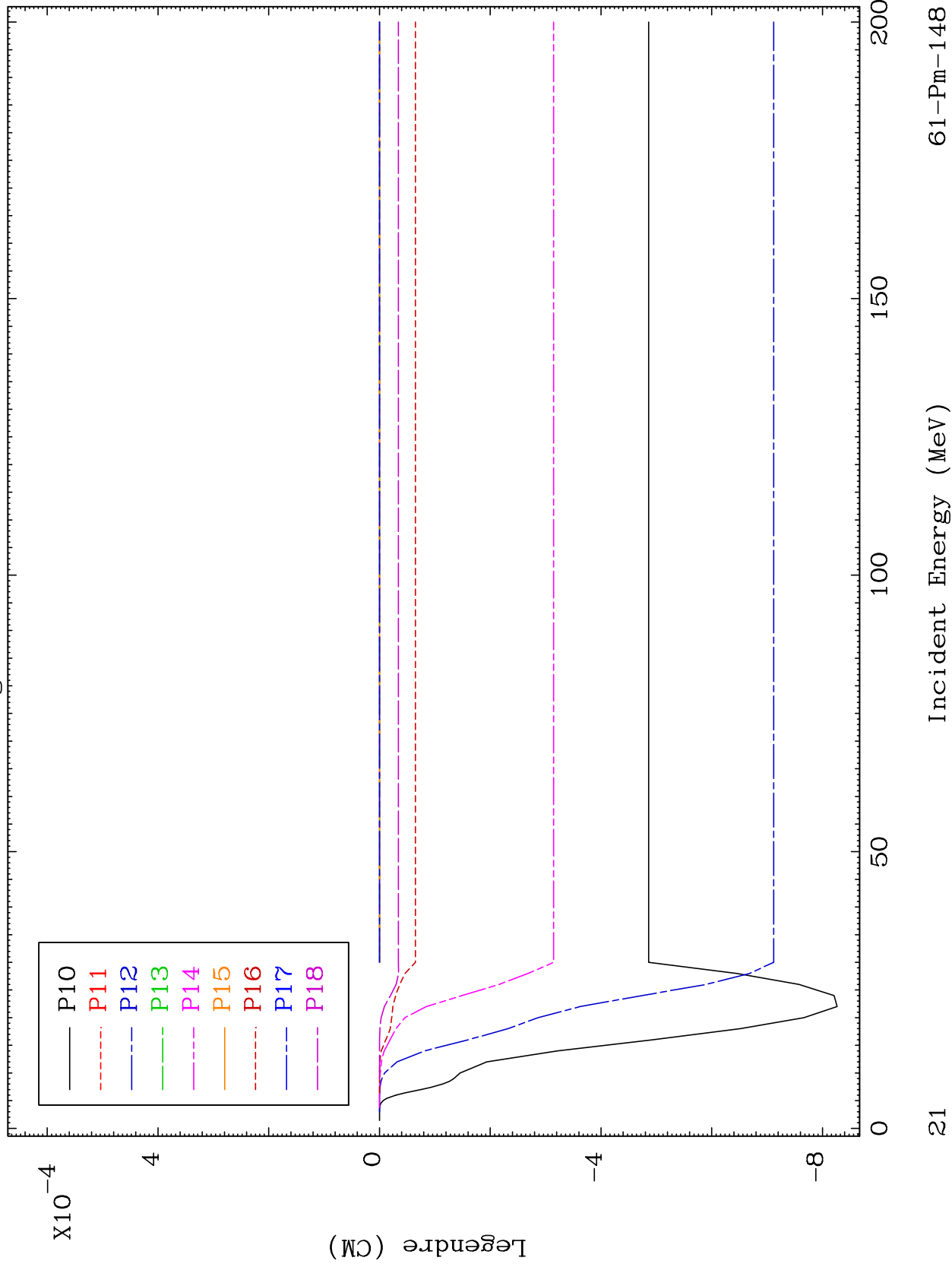
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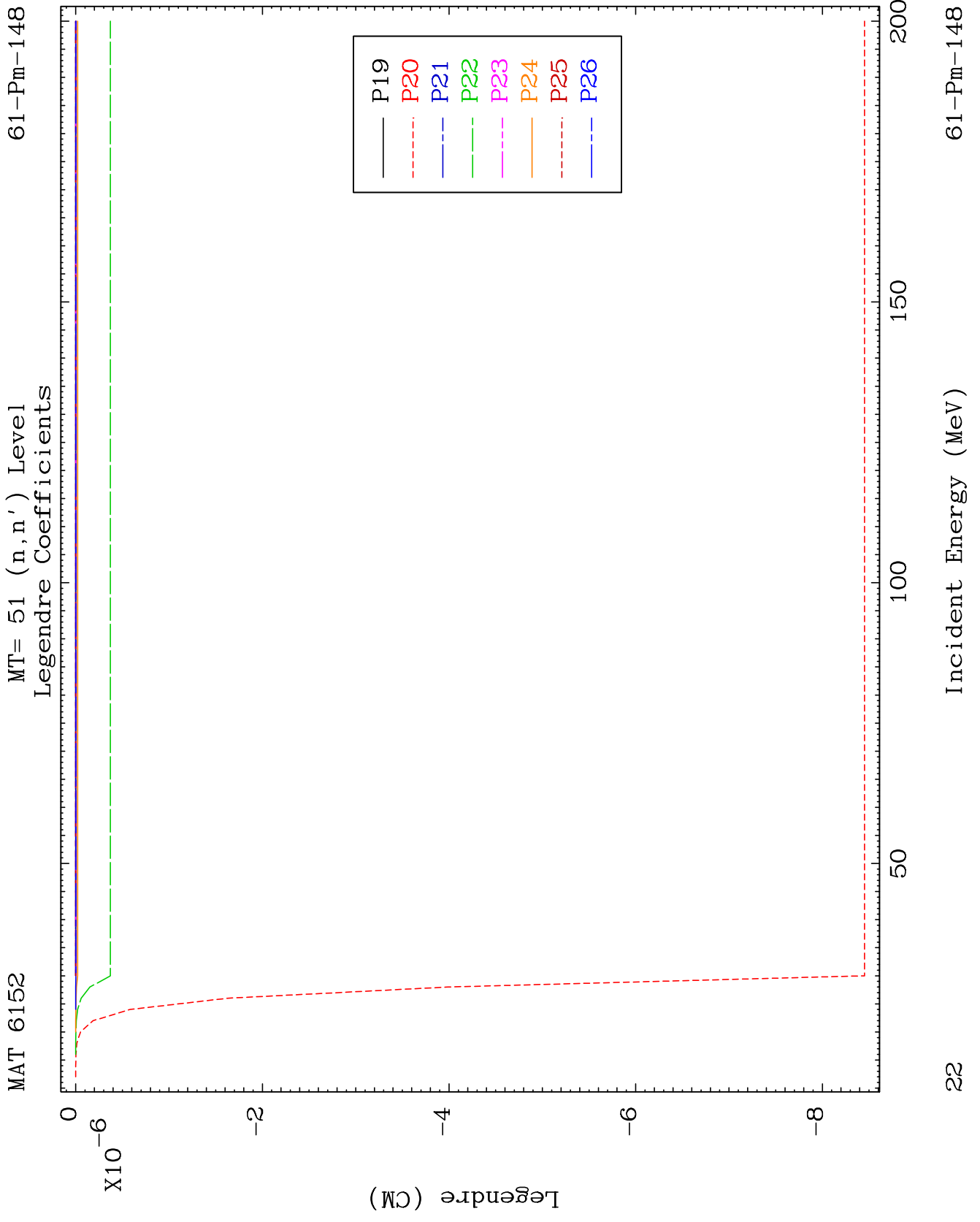


MAT 6152

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

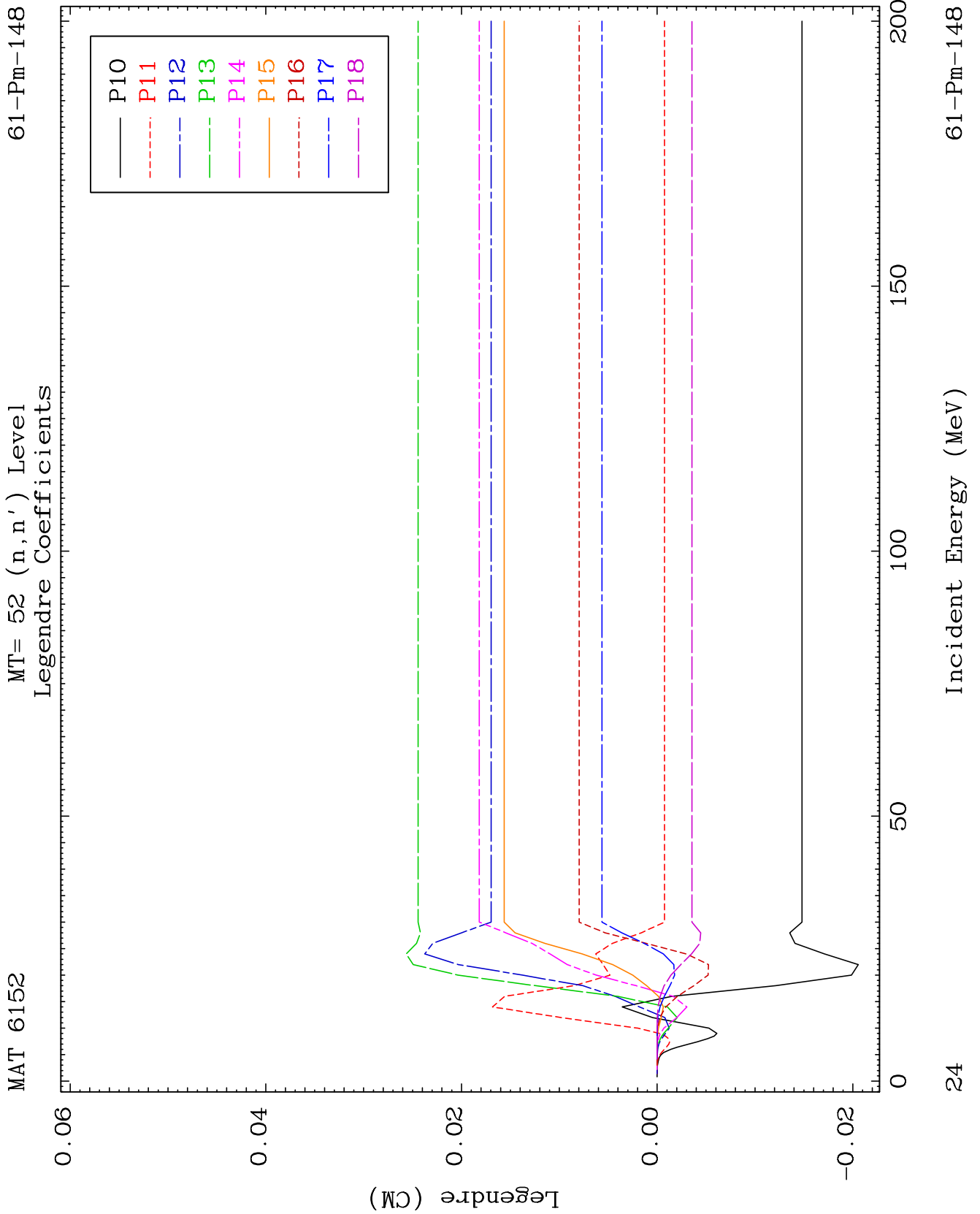
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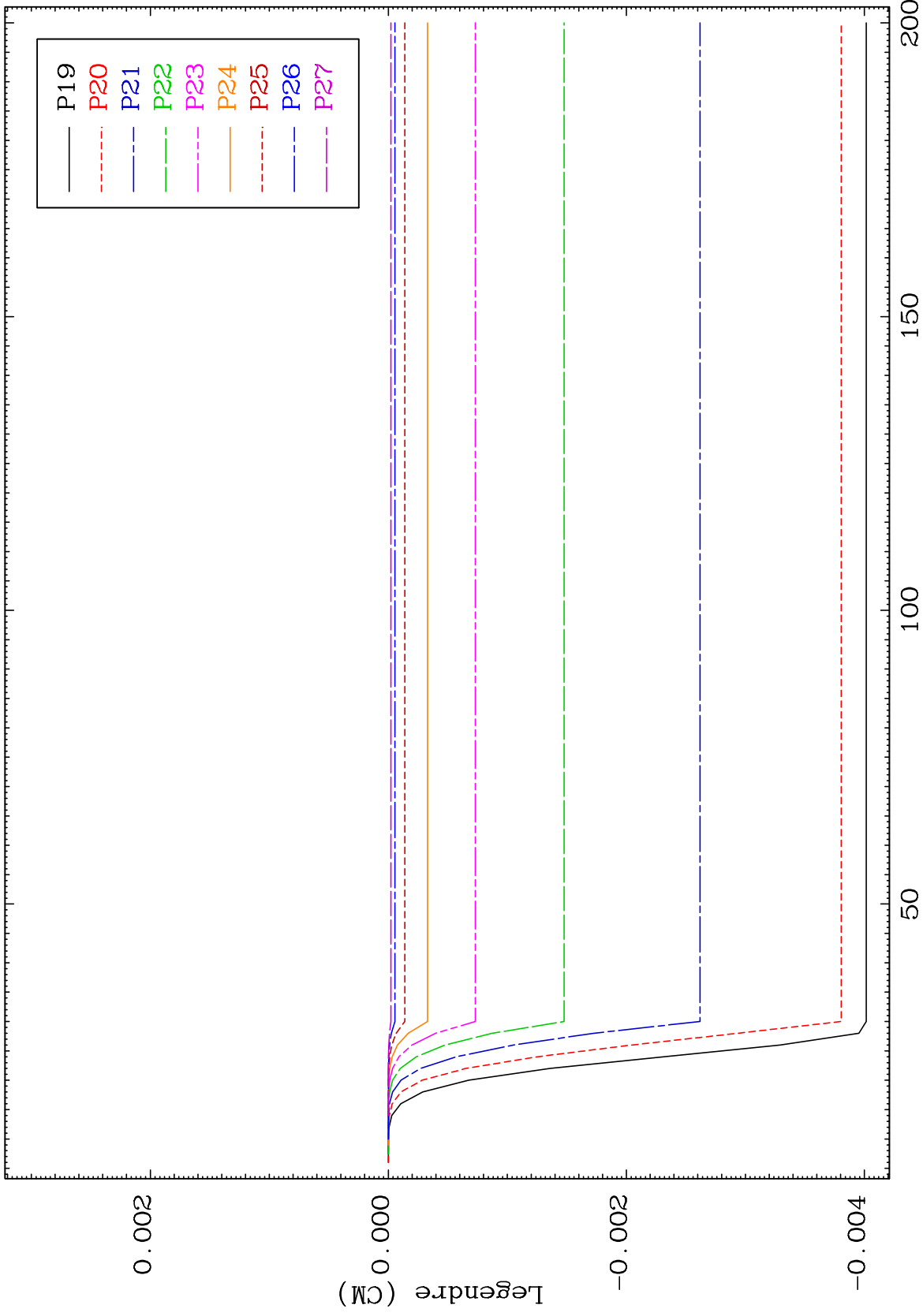




MAT 6152

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Legendre Coefficients

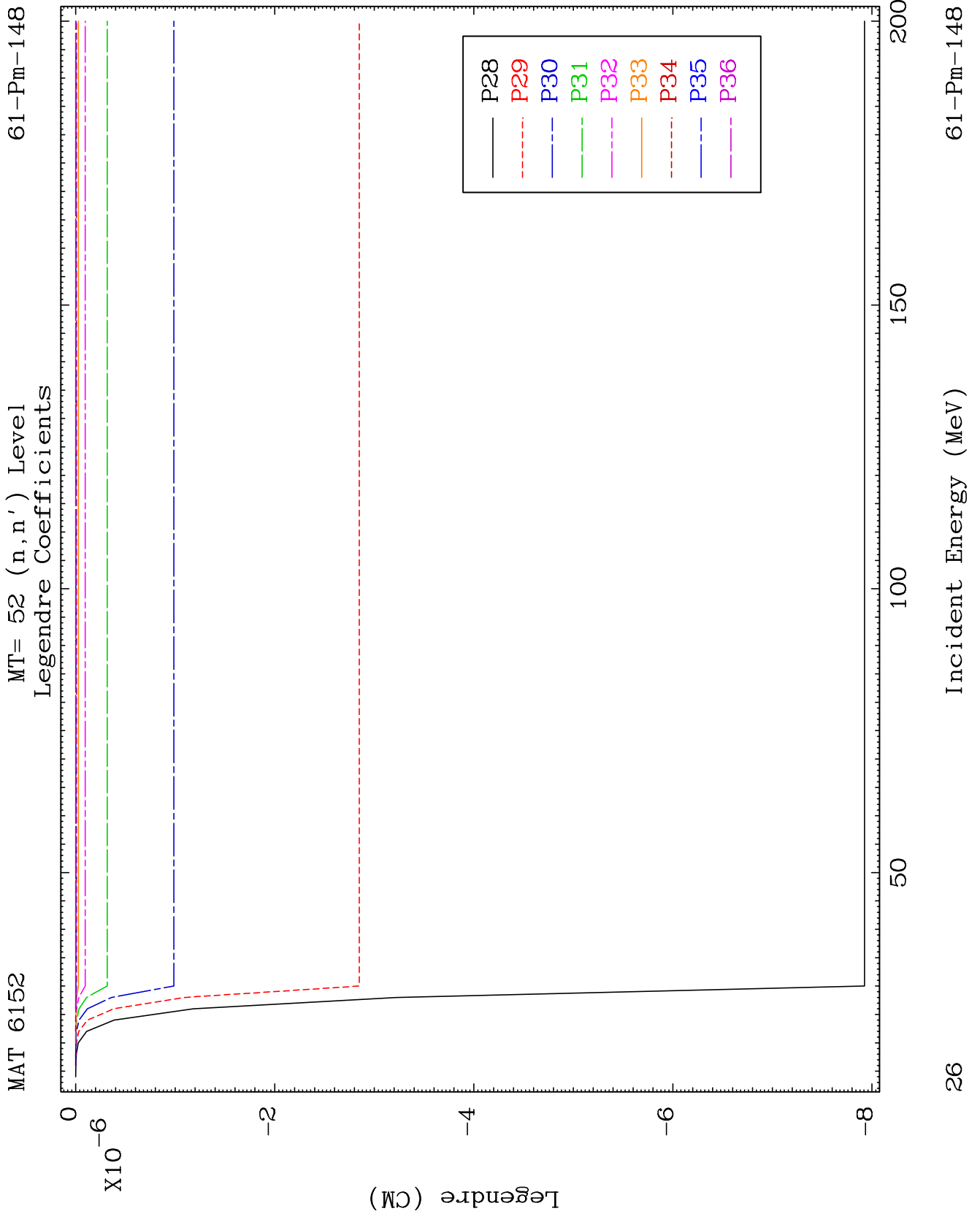
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25

Incident Energy (MeV)

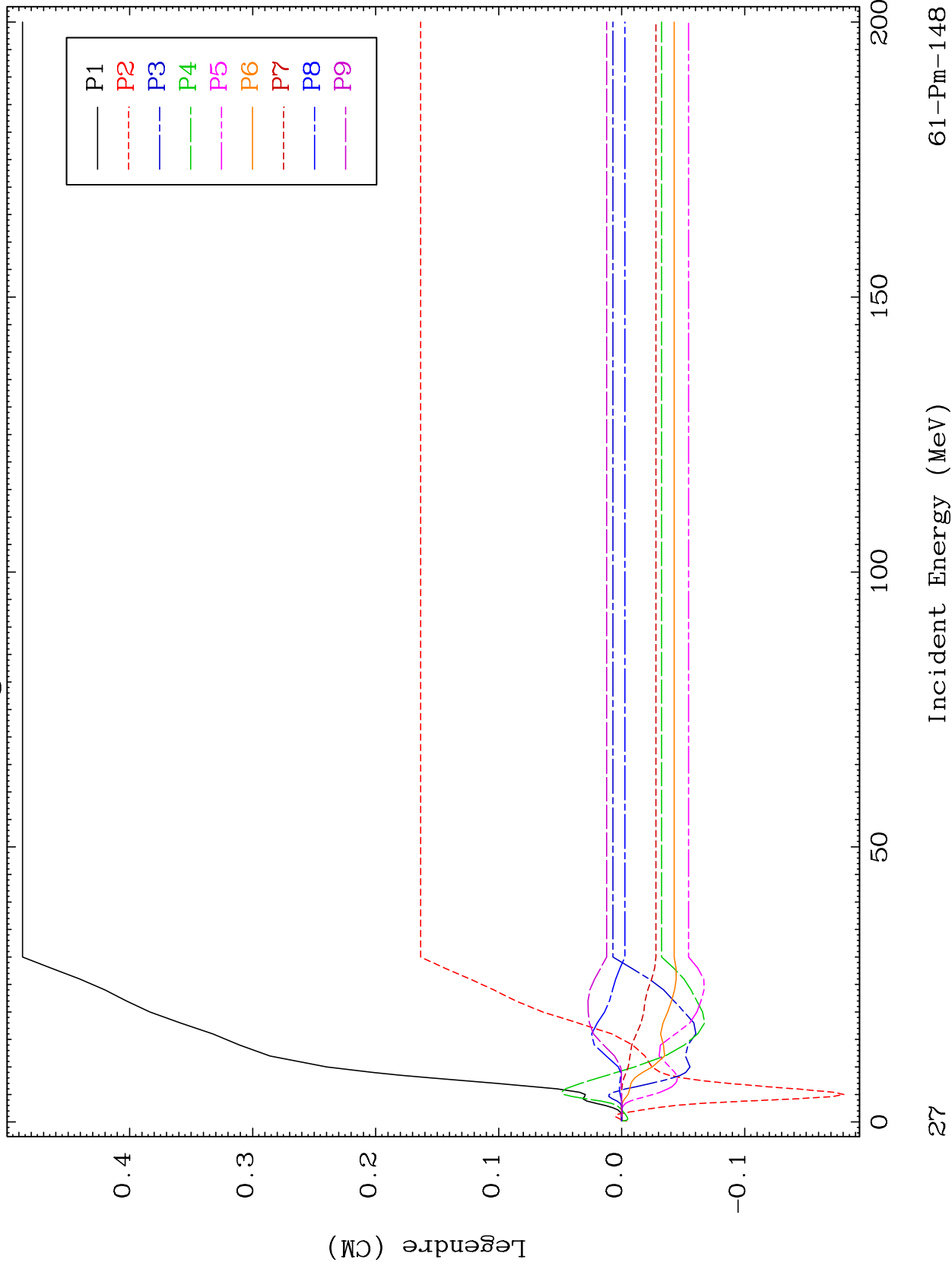
61-Pm-148



MAT 6152

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

61-Pm-148



61-Pm-148

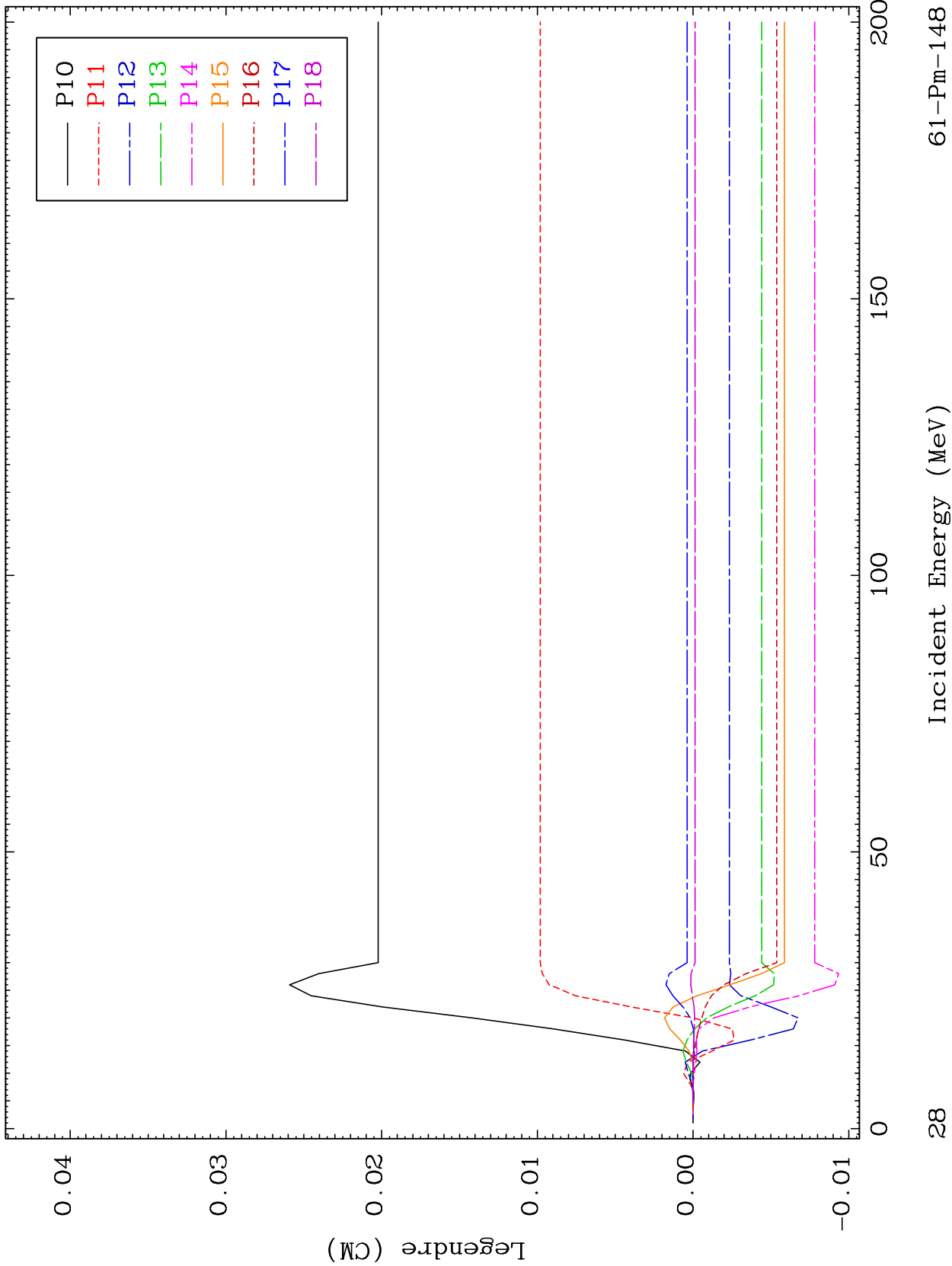
Incident Energy (MeV)

27

MAT 6152

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

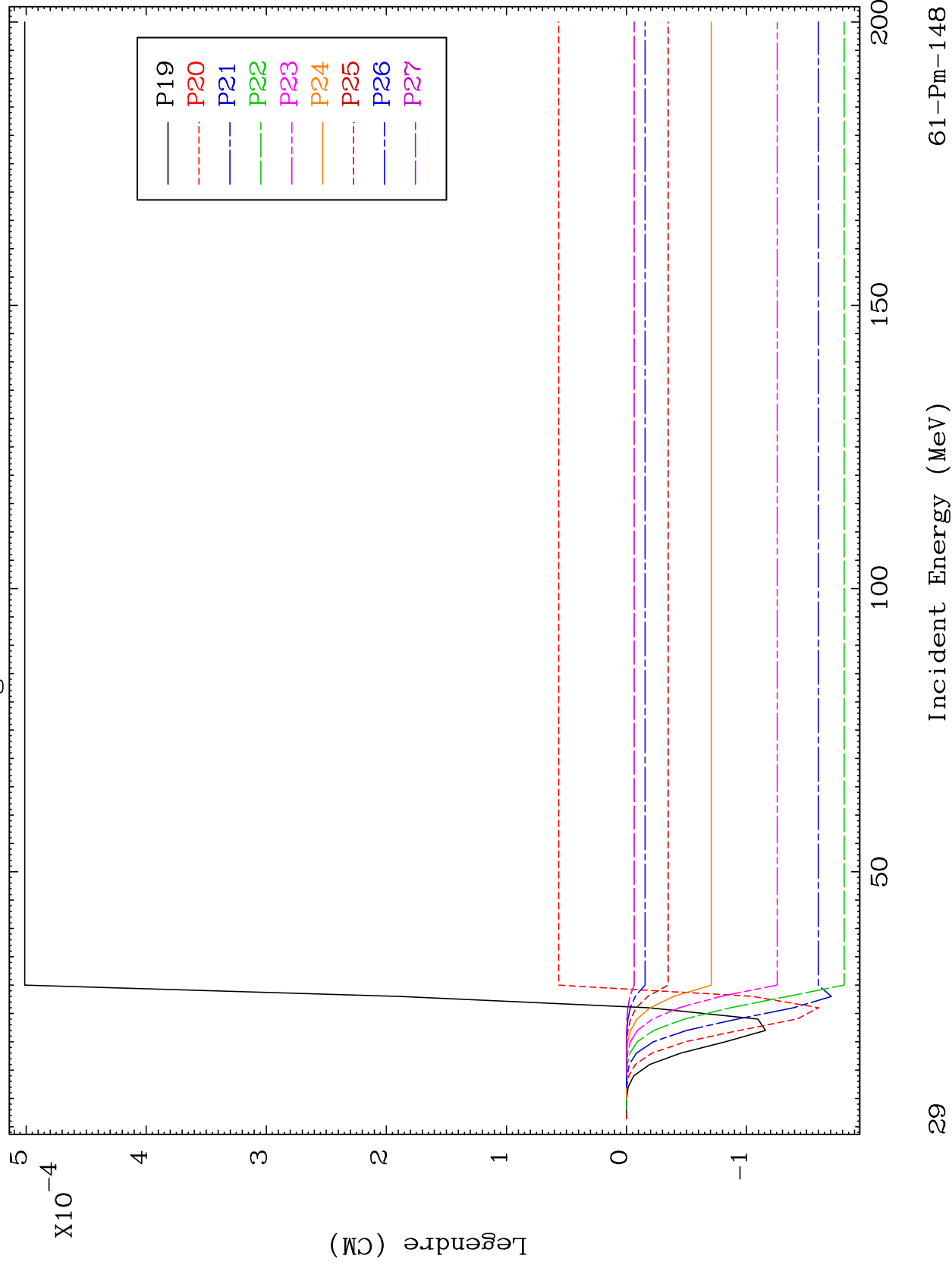
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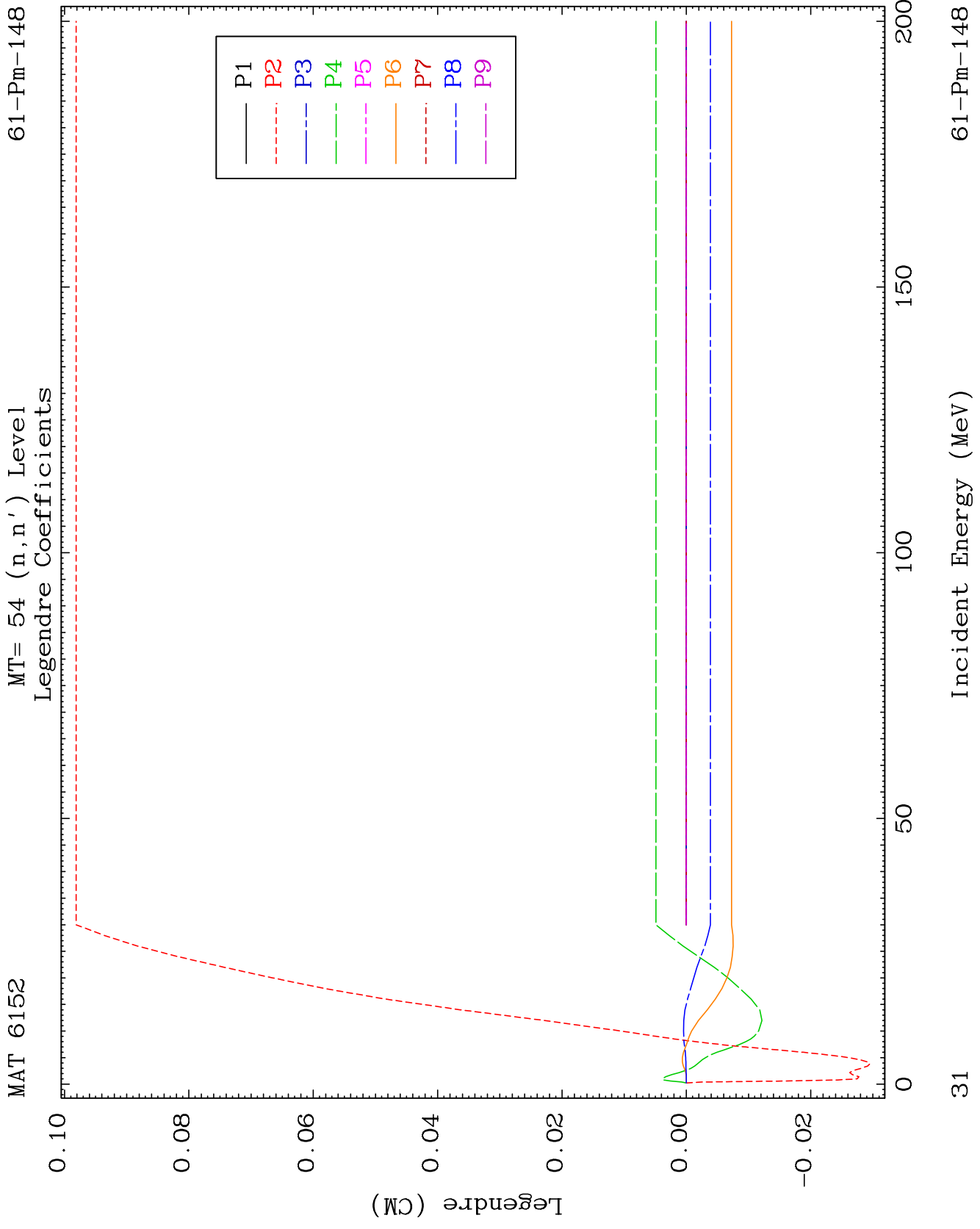
61-Pm-148

Incident Energy (MeV)

28





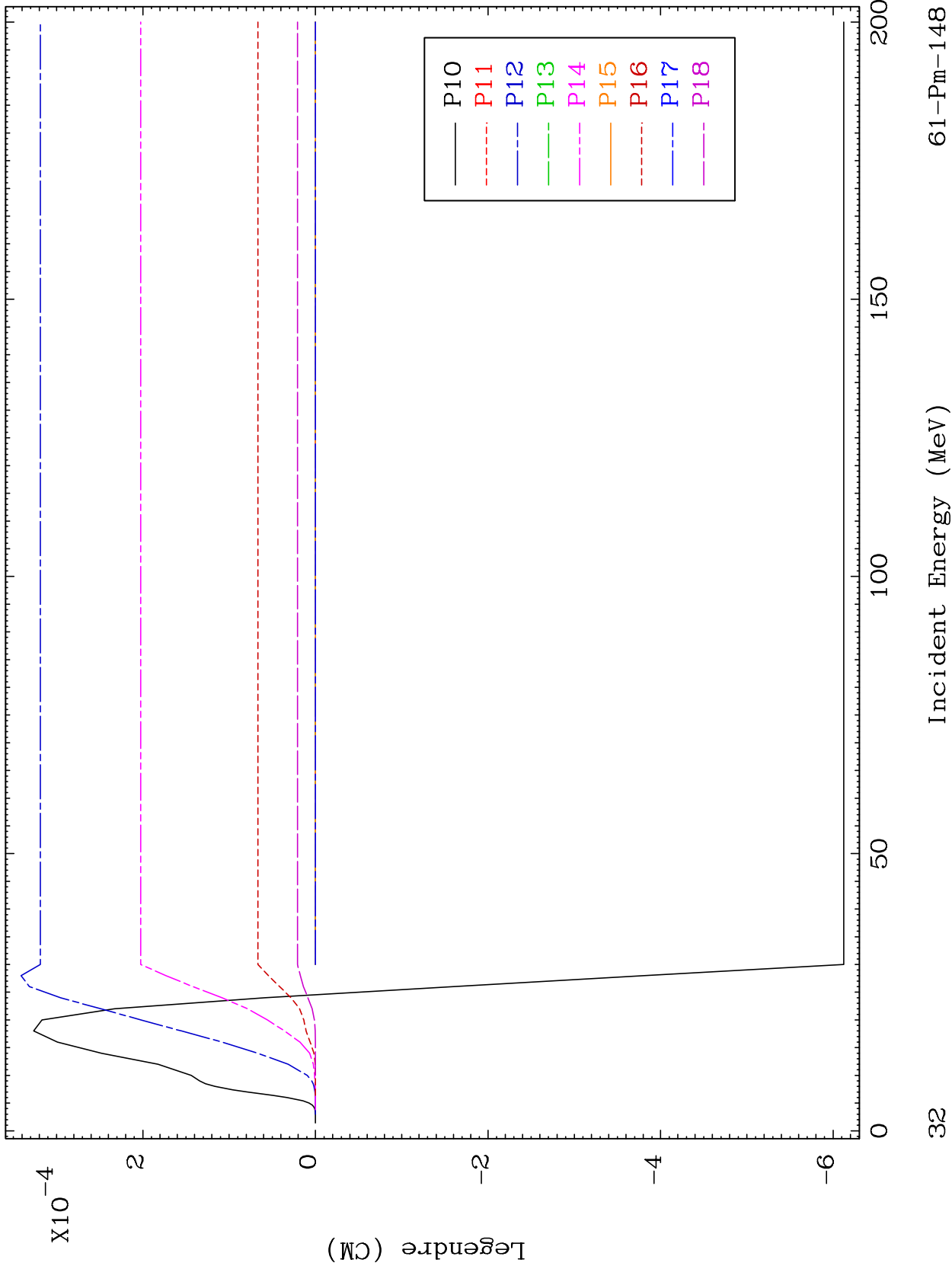




MAT 6152

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

61-Pm-148



61-Pm-148

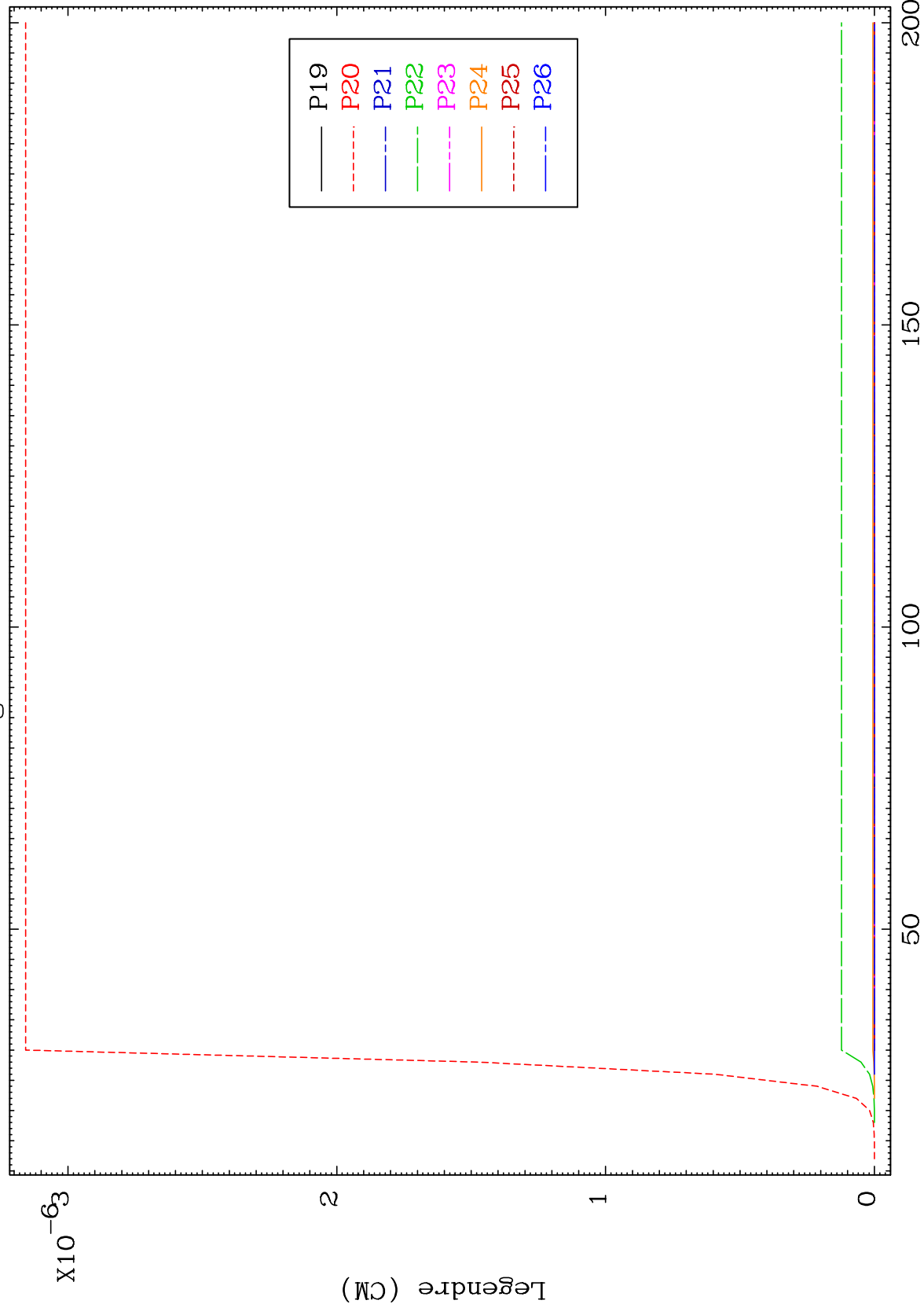
Incident Energy (MeV)

32

MAT 6152

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

61-Pm-148



33

Incident Energy (MeV)

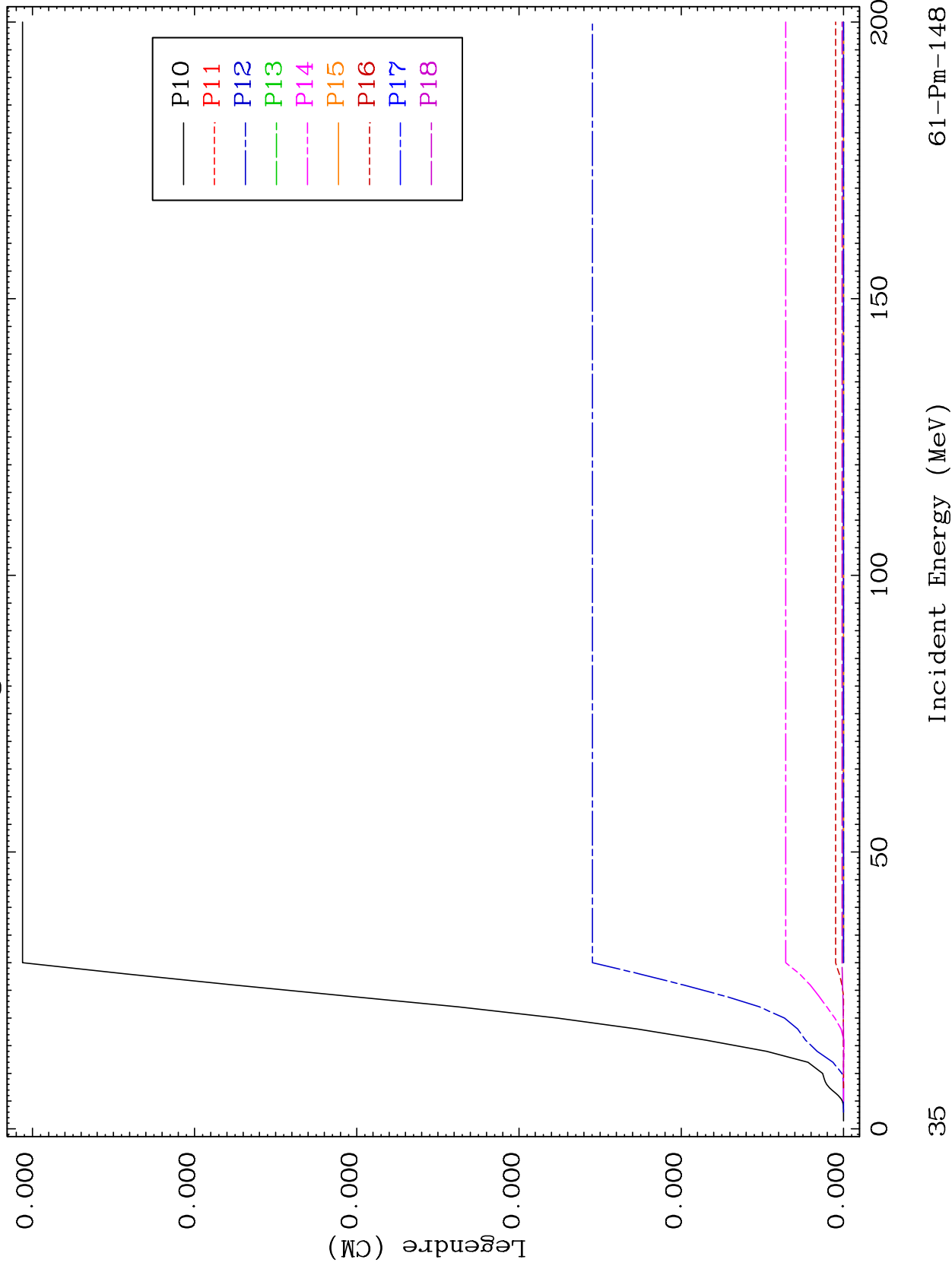
61-Pm-148



MAT 6152

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Legendre Coefficients

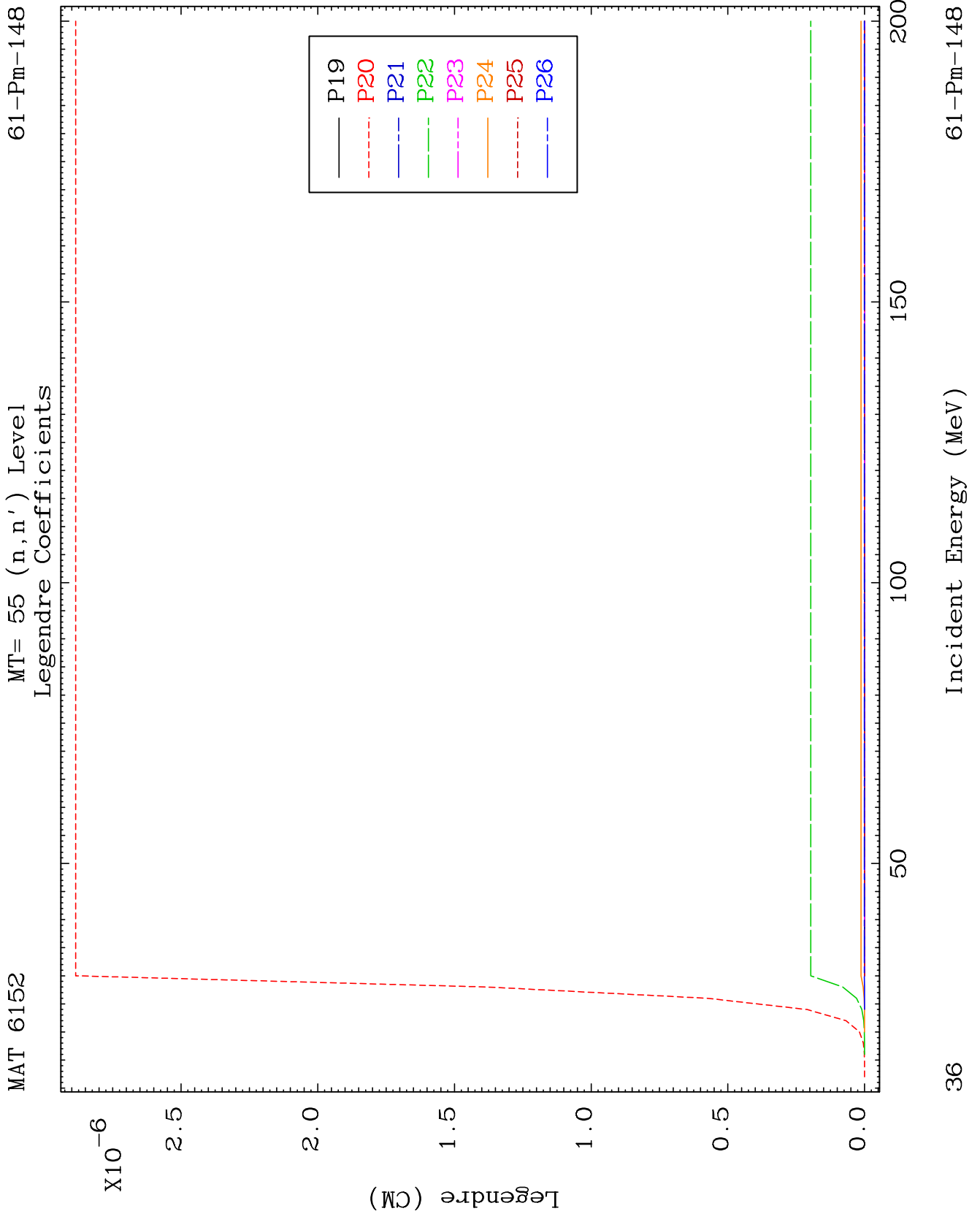
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61-Pm-148

Incident Energy (MeV)

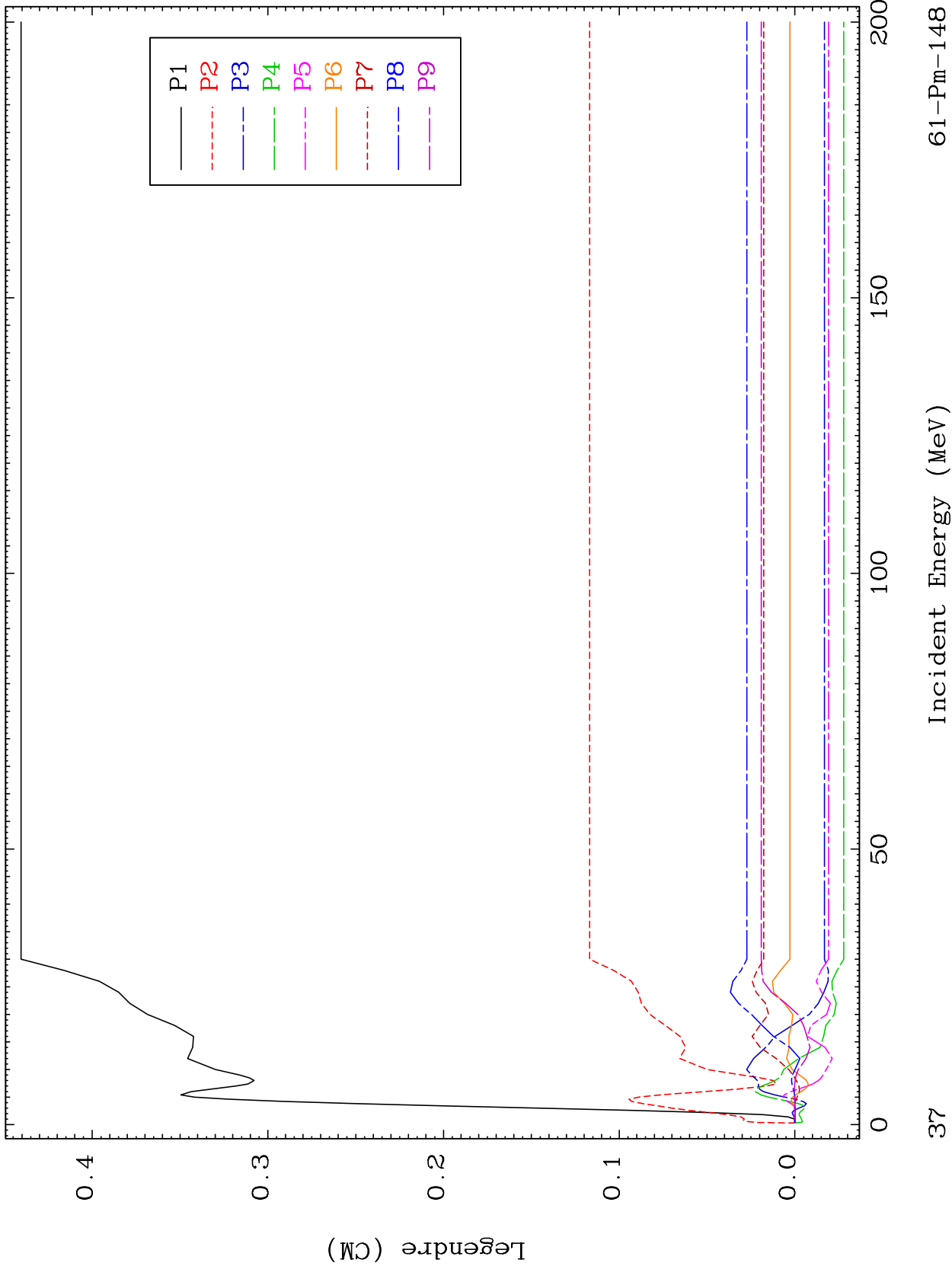
35



MAT 6152

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

61-Pm-148



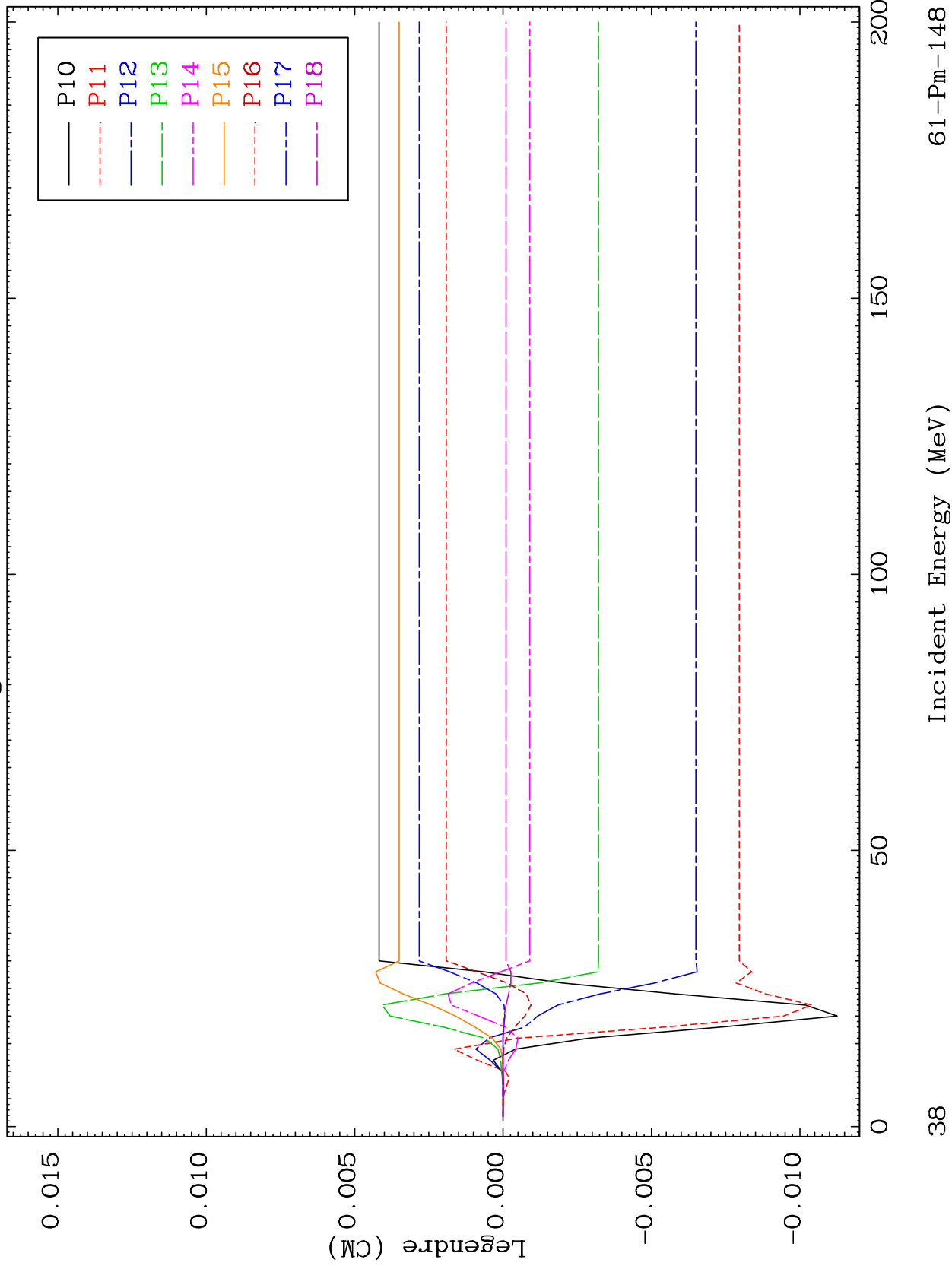
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61-Pm-148

MAT 6152

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

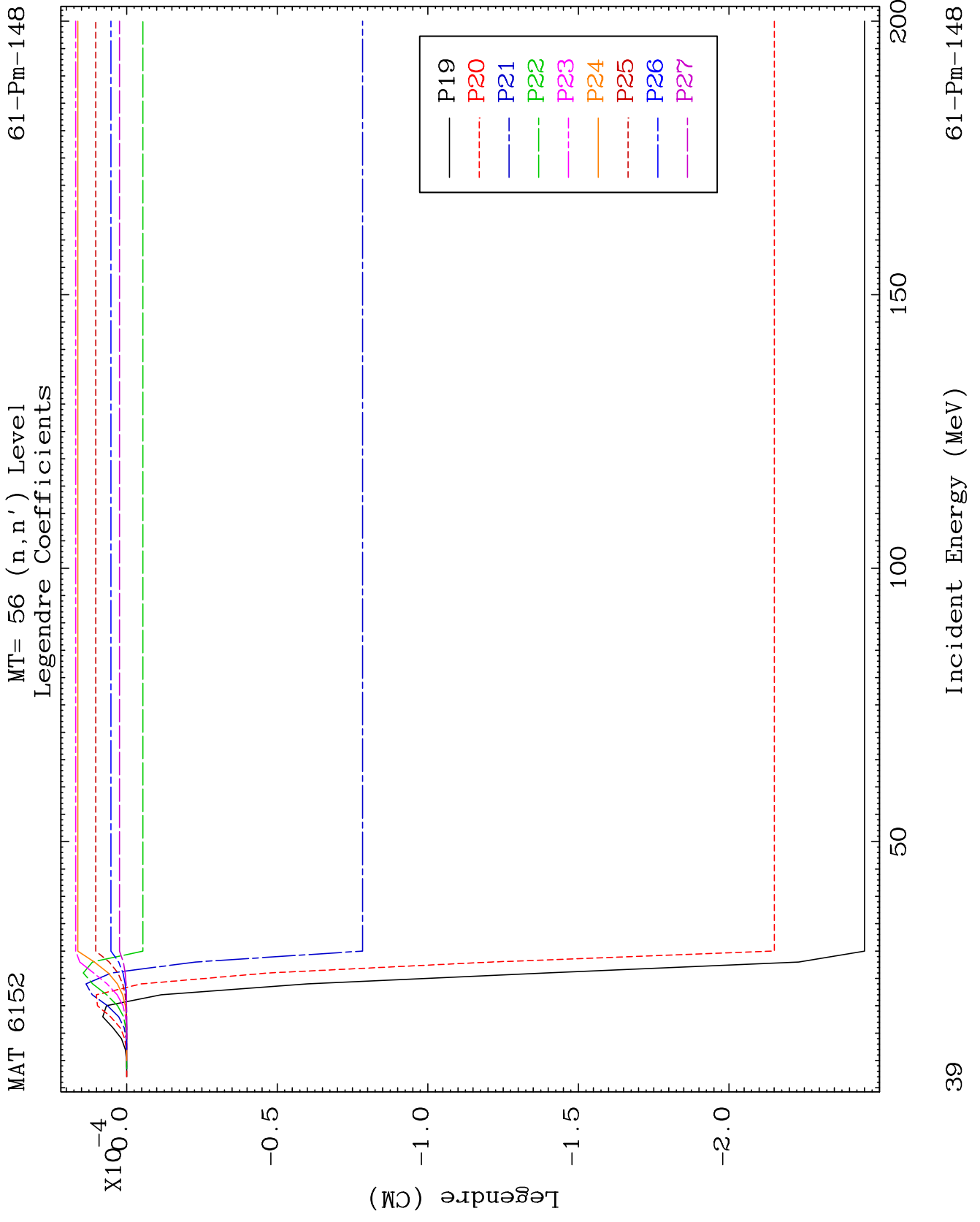
61-Pm-148



38

Incident Energy (MeV)

61-Pm-148

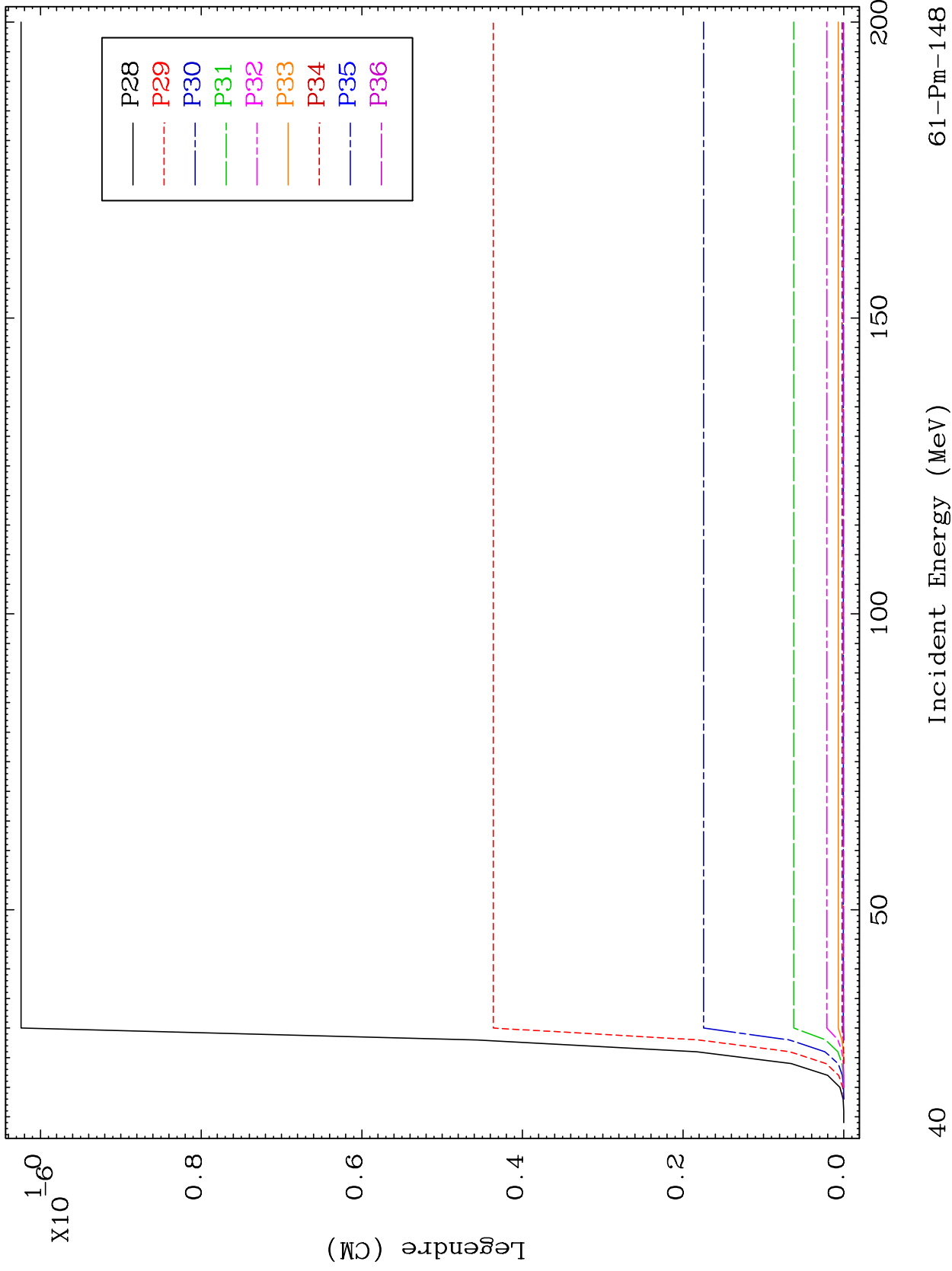




MAT 6152

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

61-Pm-148

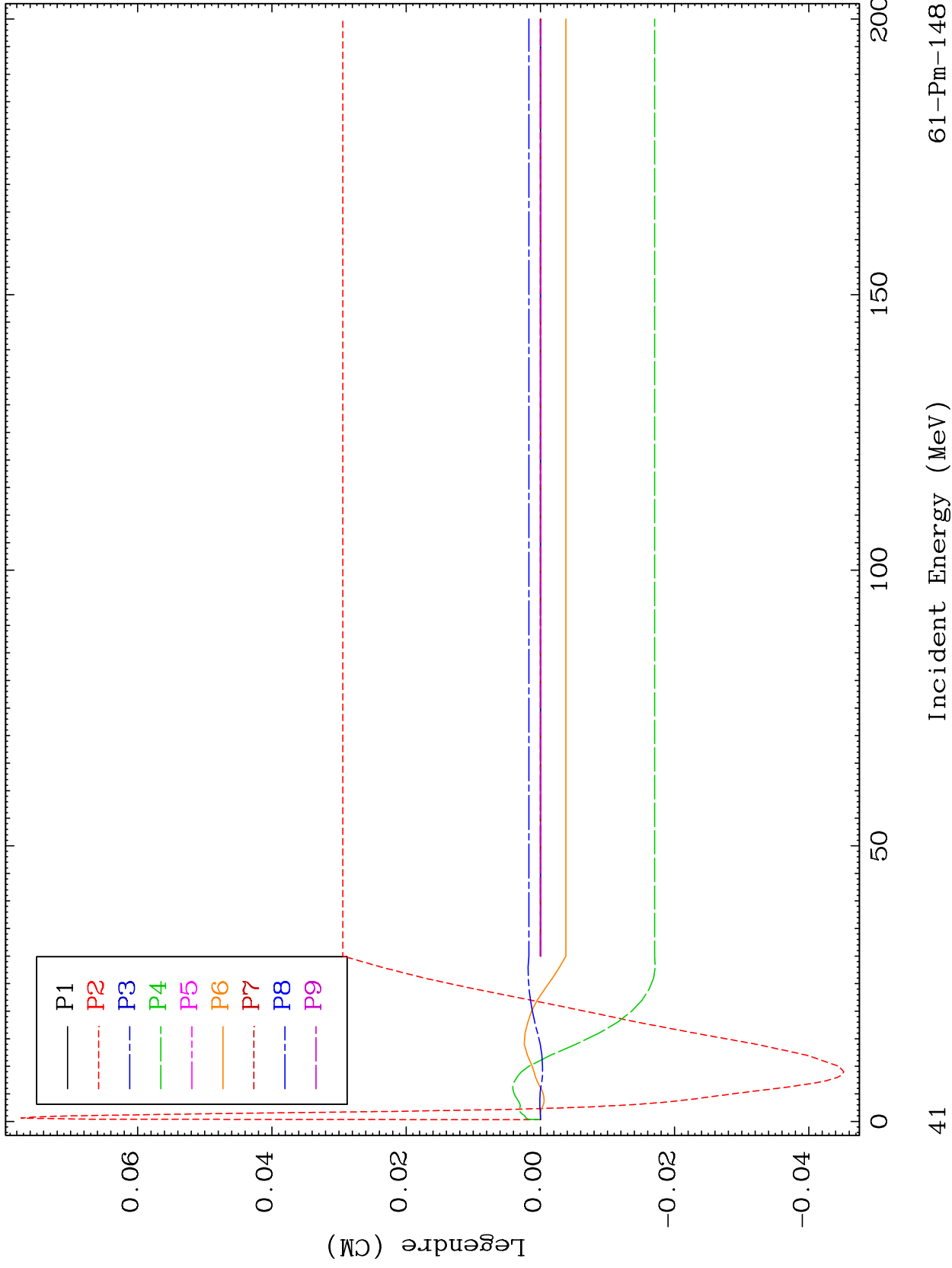


61-Pm-148

MAT 6152

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

61-Pm-148



41

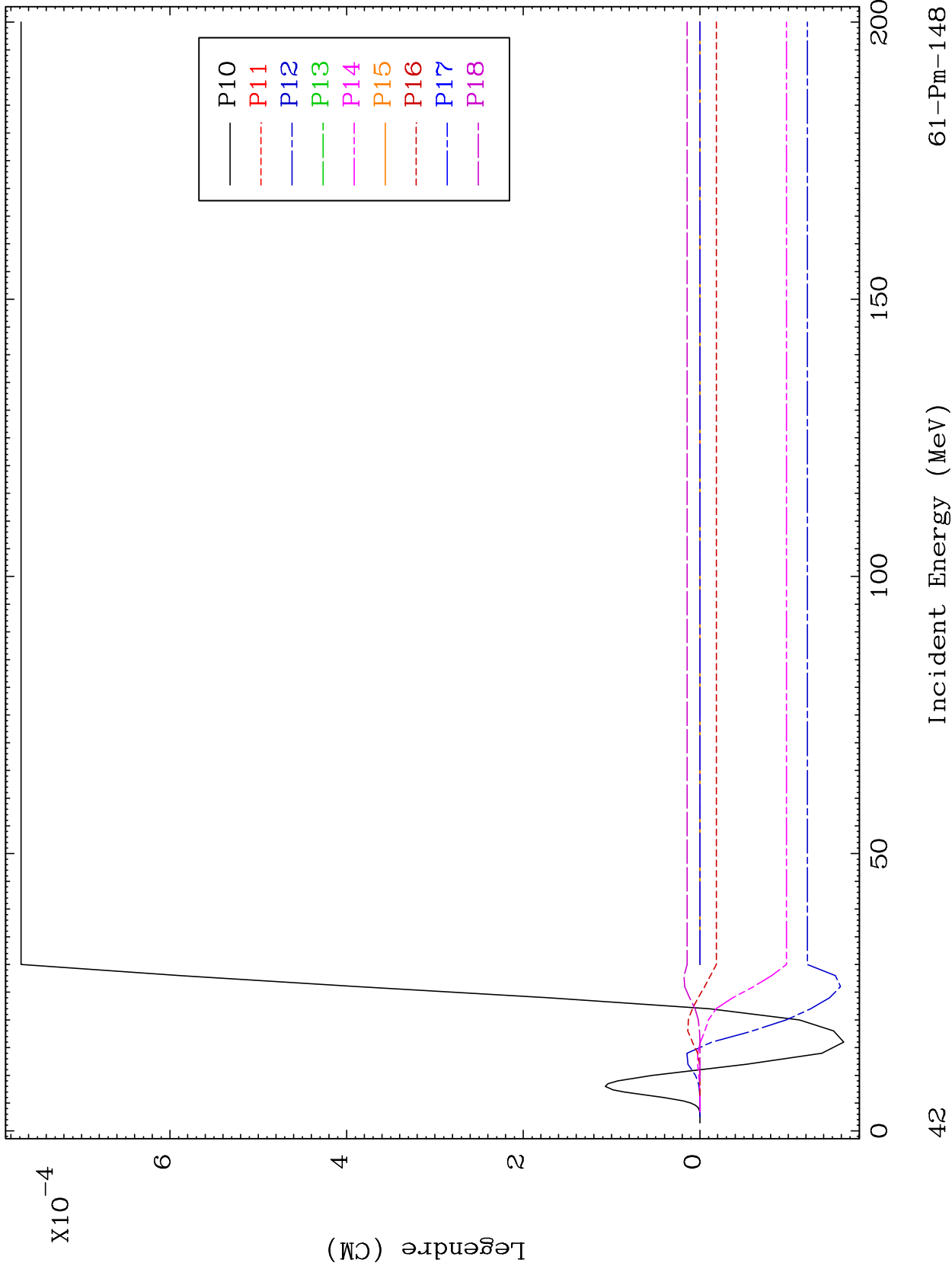
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148

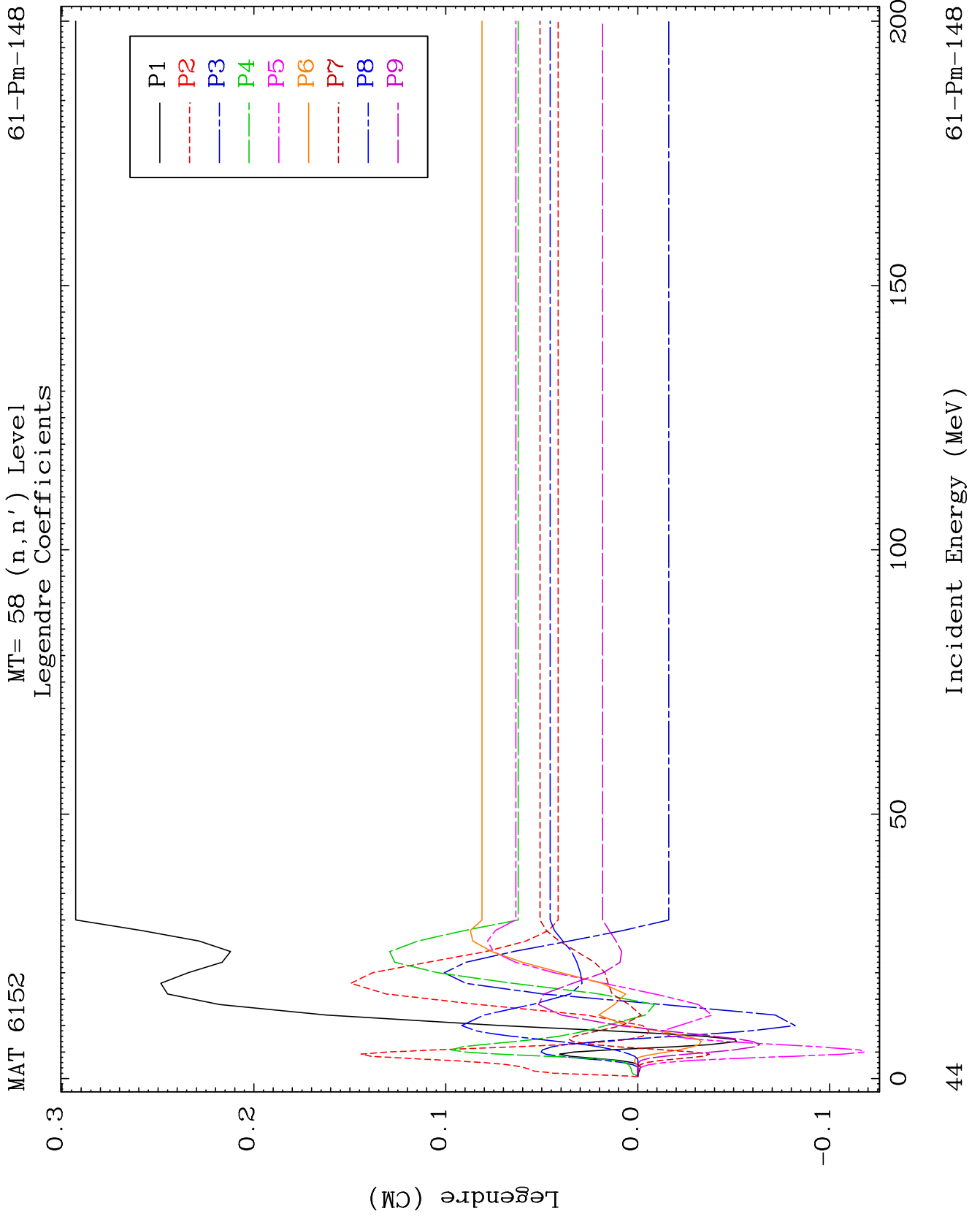


61-Pm-148

Incident Energy (MeV)

42

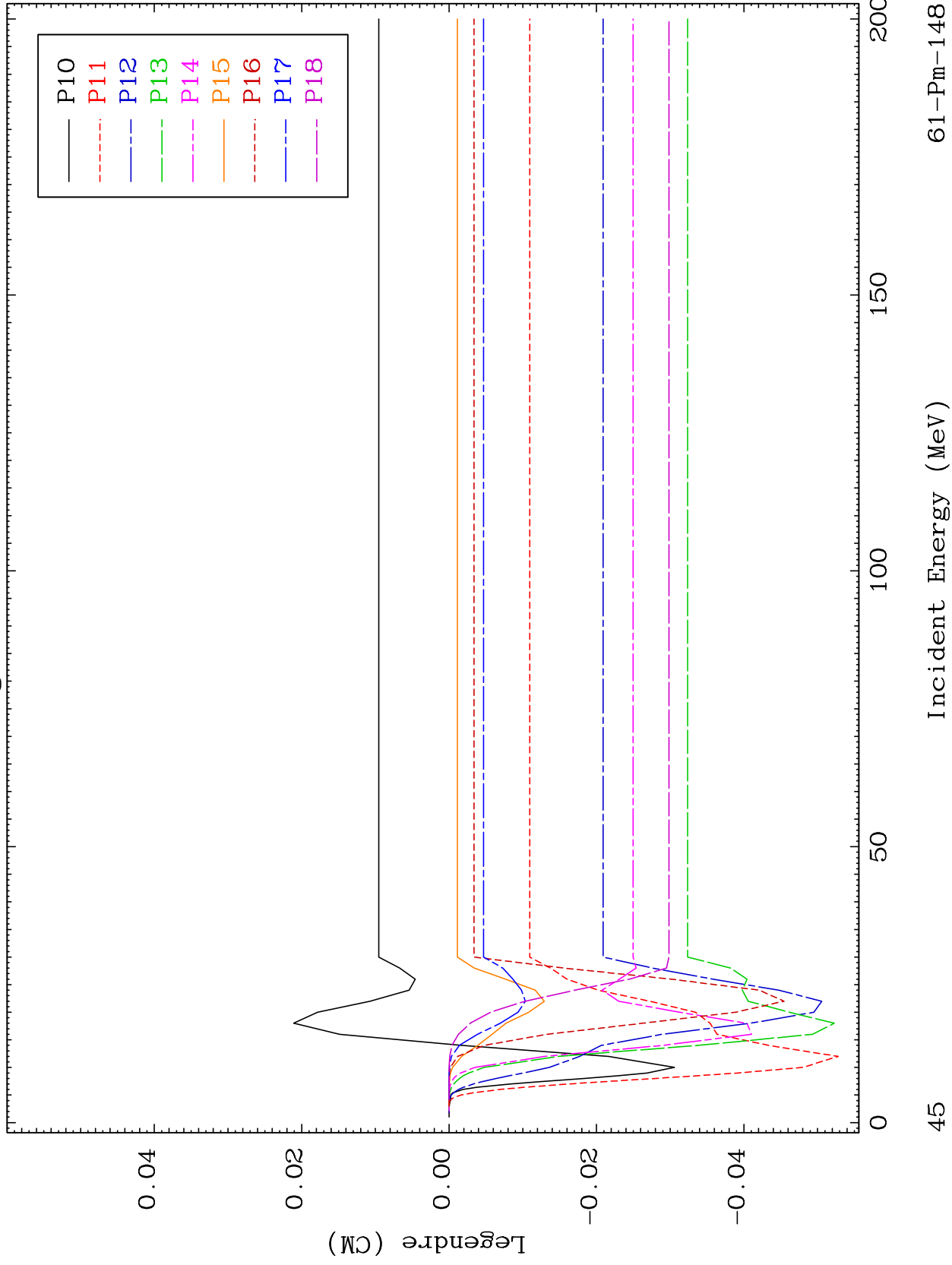




MAT 6152

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

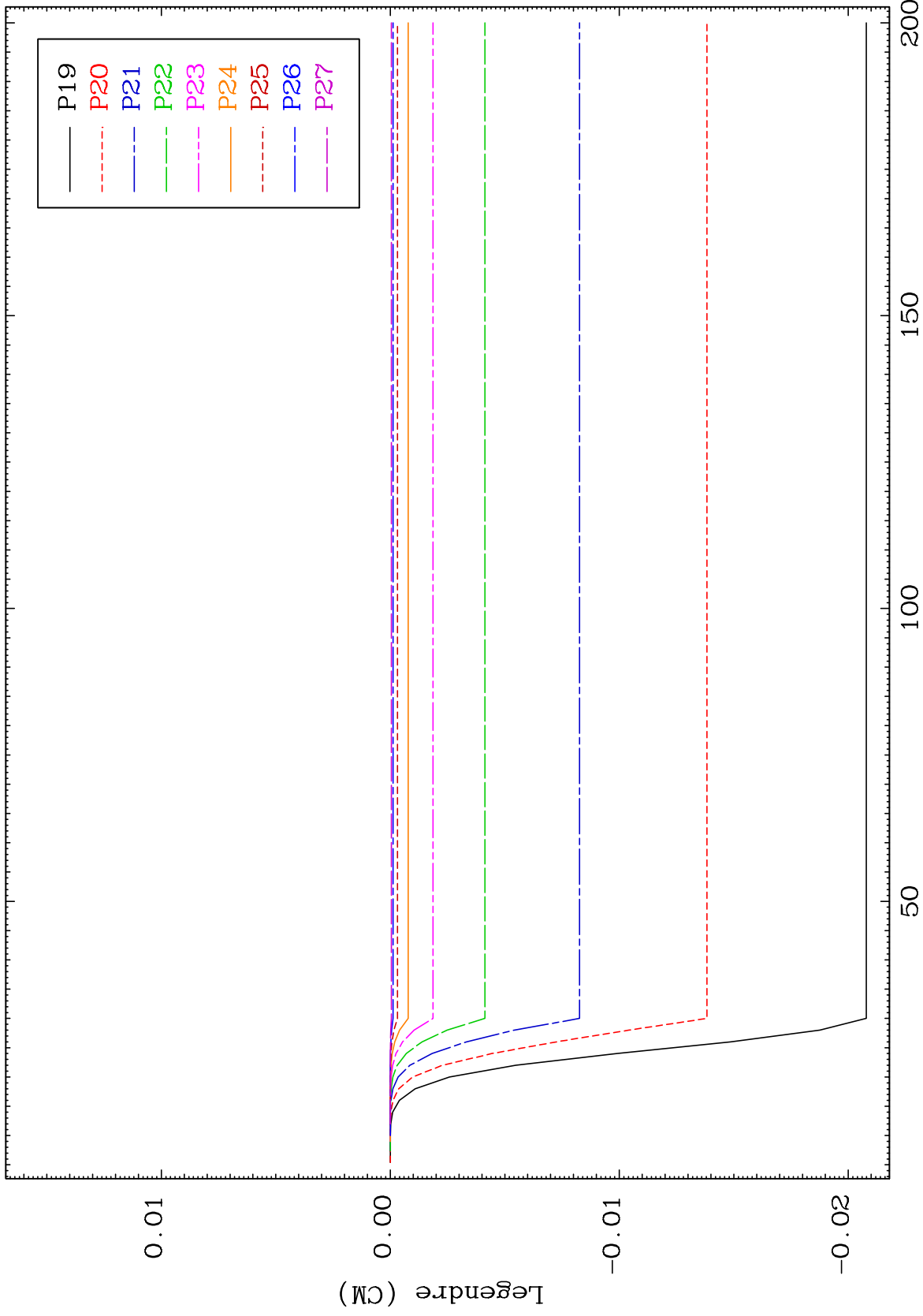
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MAT 6152

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

61-Pm-148



46

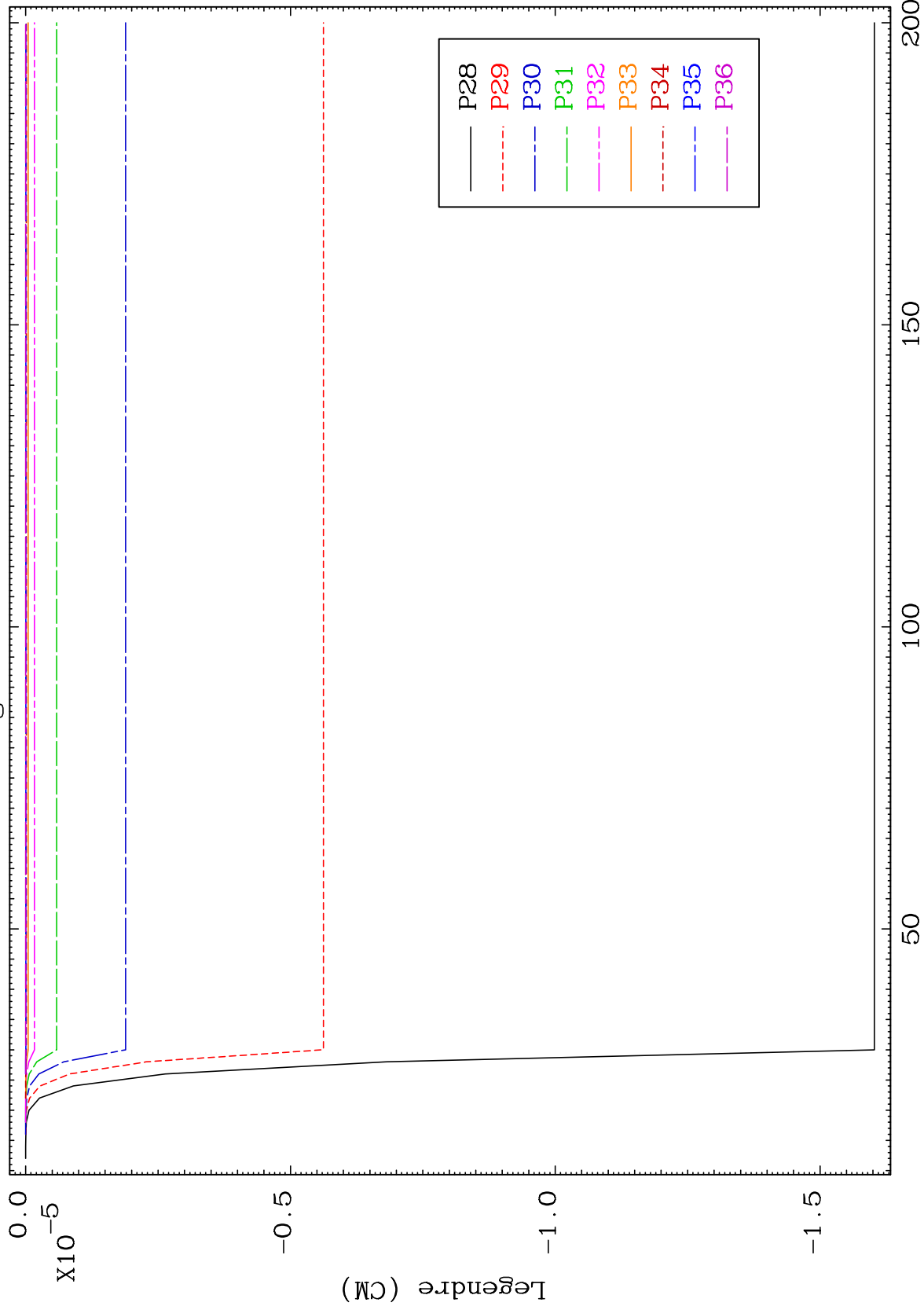
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



47

Incident Energy (MeV)

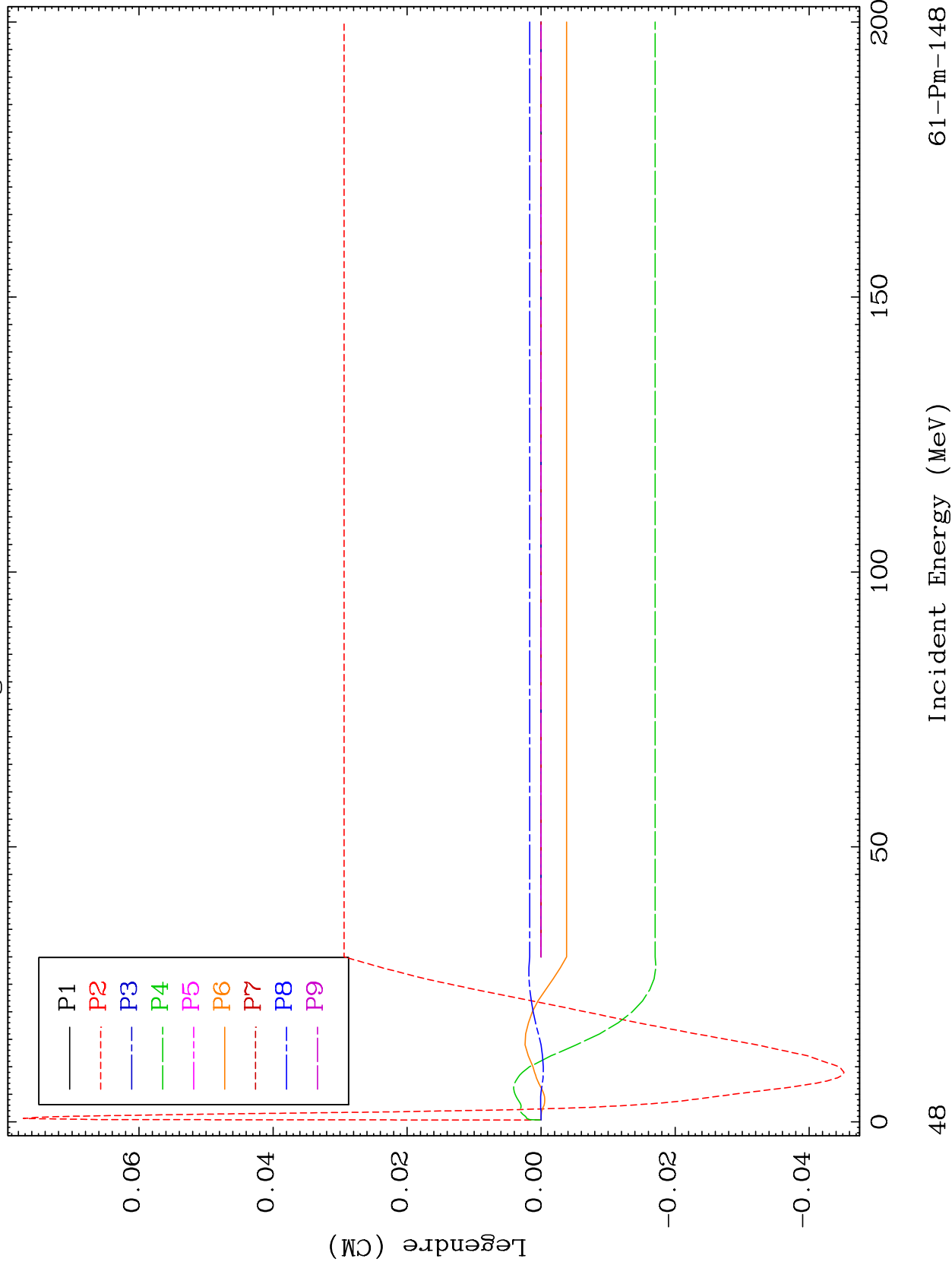
61-Pm-148



MAT 6152

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

61-Pm-148



61-Pm-148

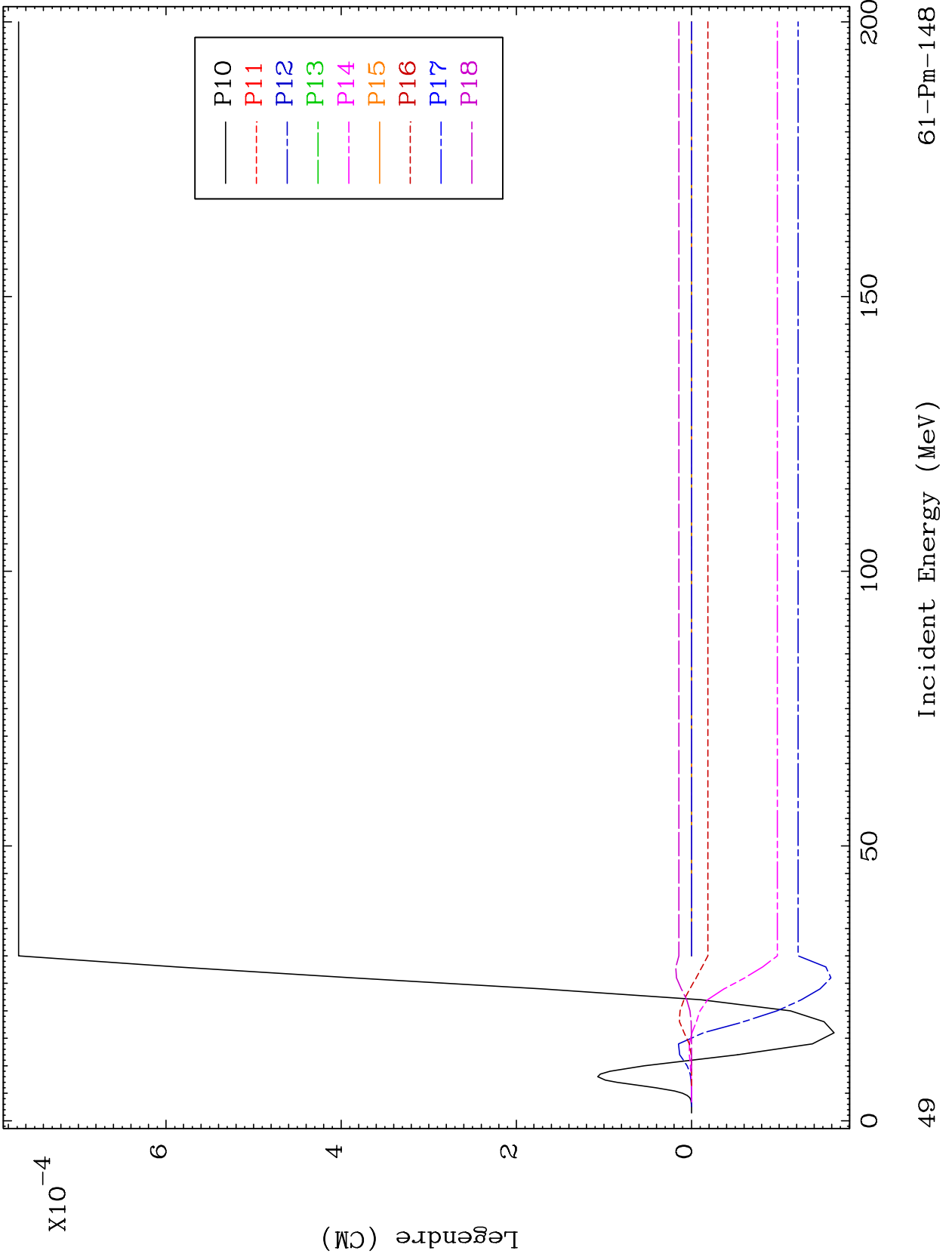
Incident Energy (MeV)

48

MAT 6152

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

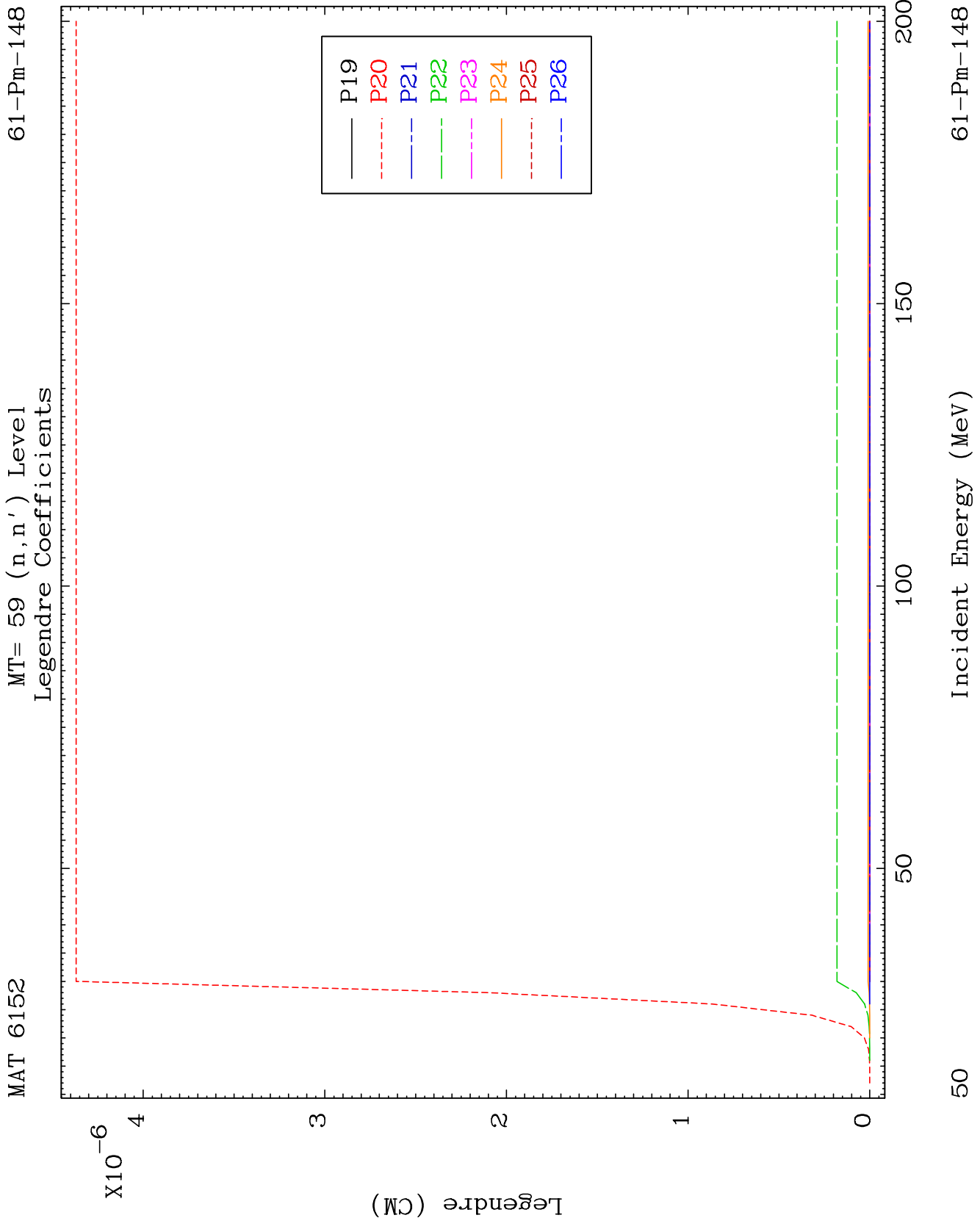
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61-Pm-148

Incident Energy (MeV)

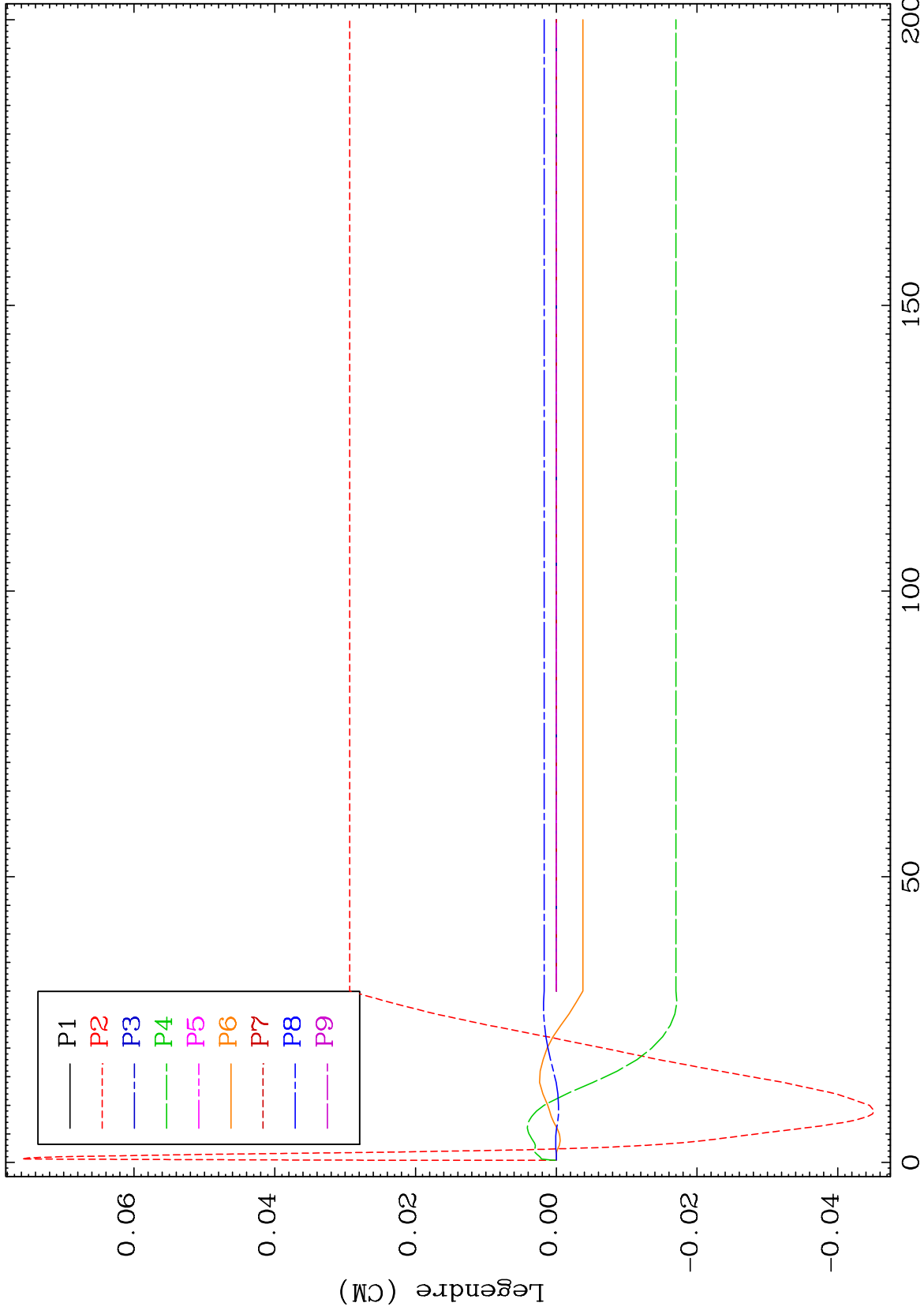
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MAT 6152

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

61-Pm-148



51

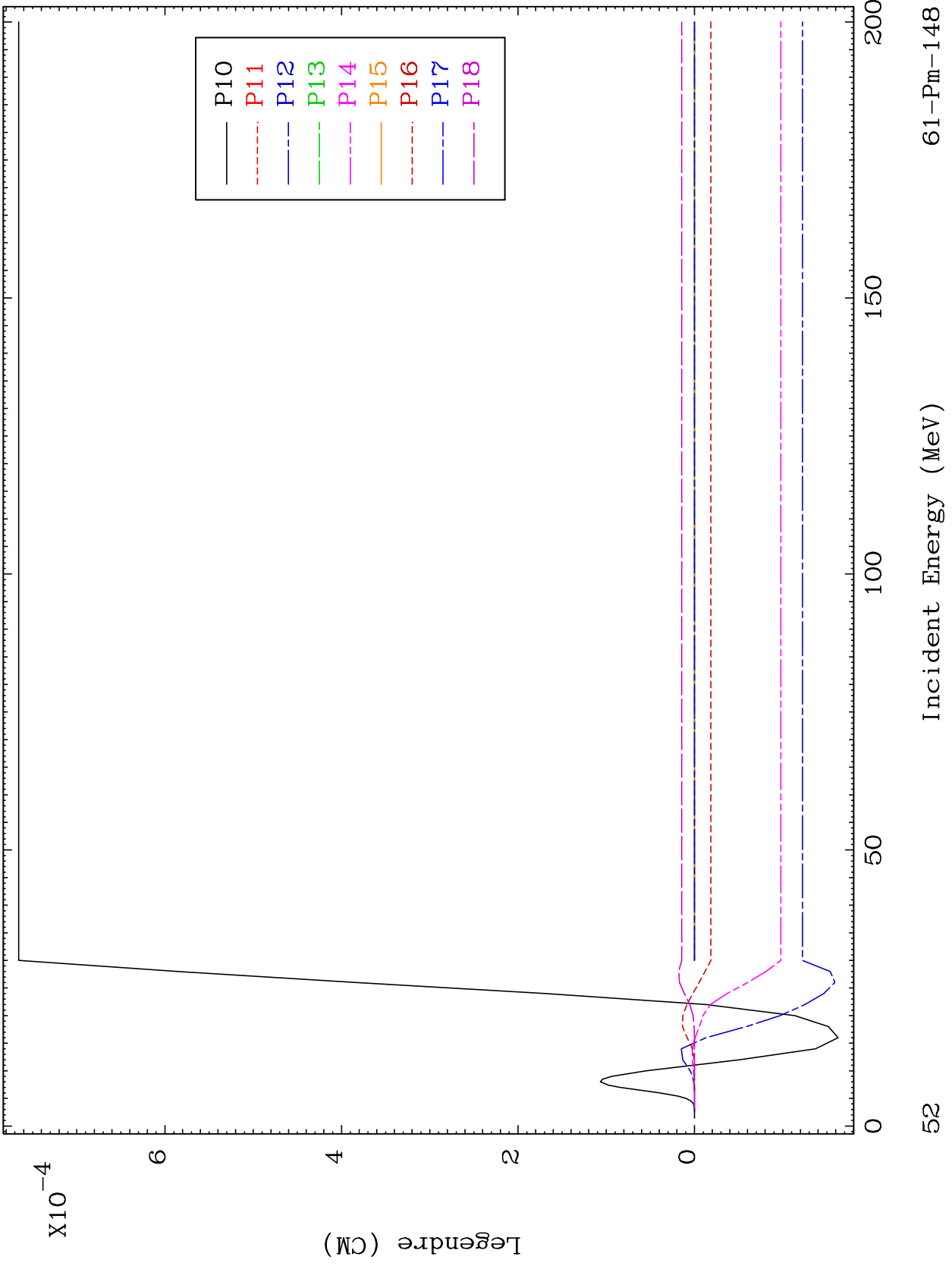
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

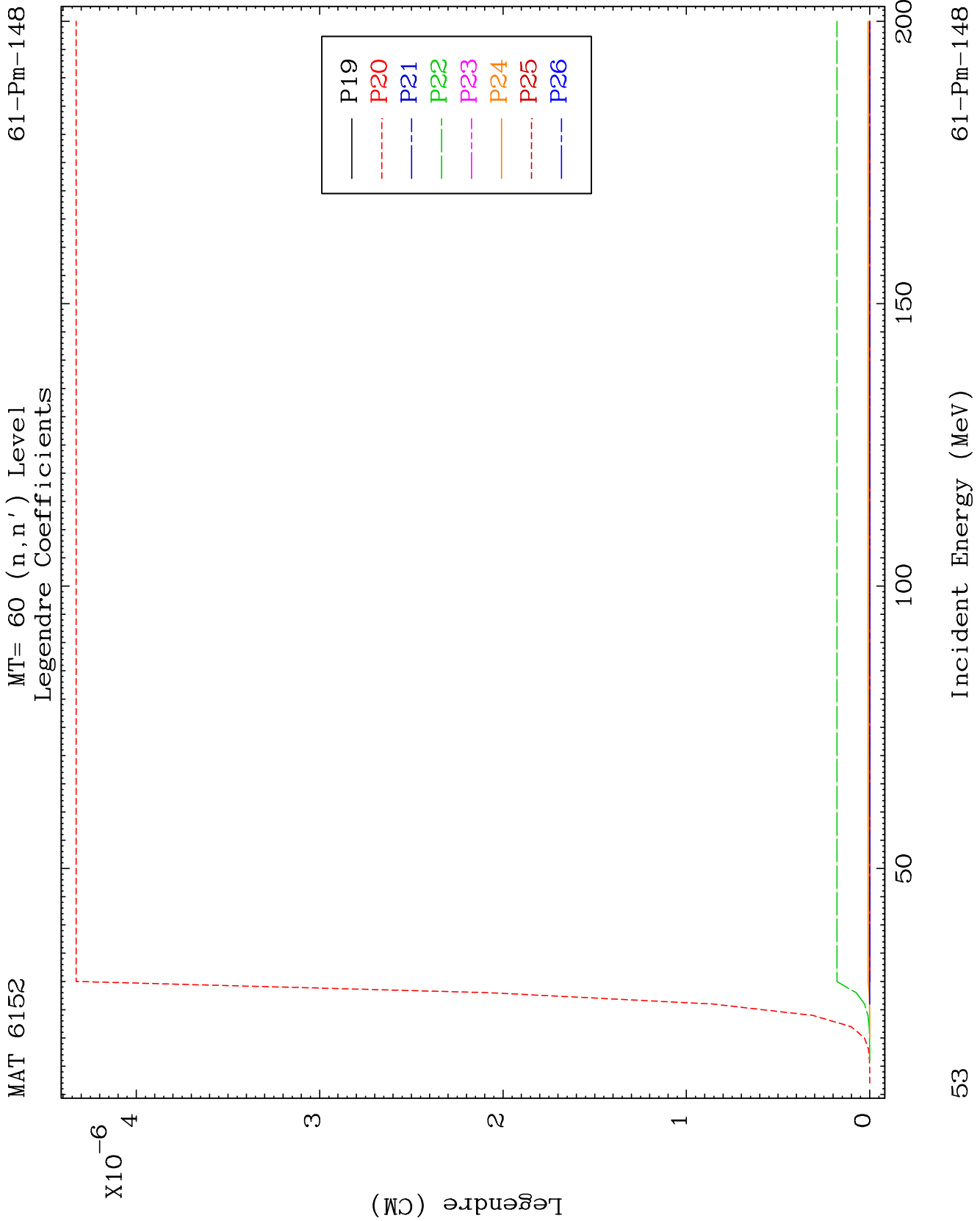
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61-Pm-148

Incident Energy (MeV)

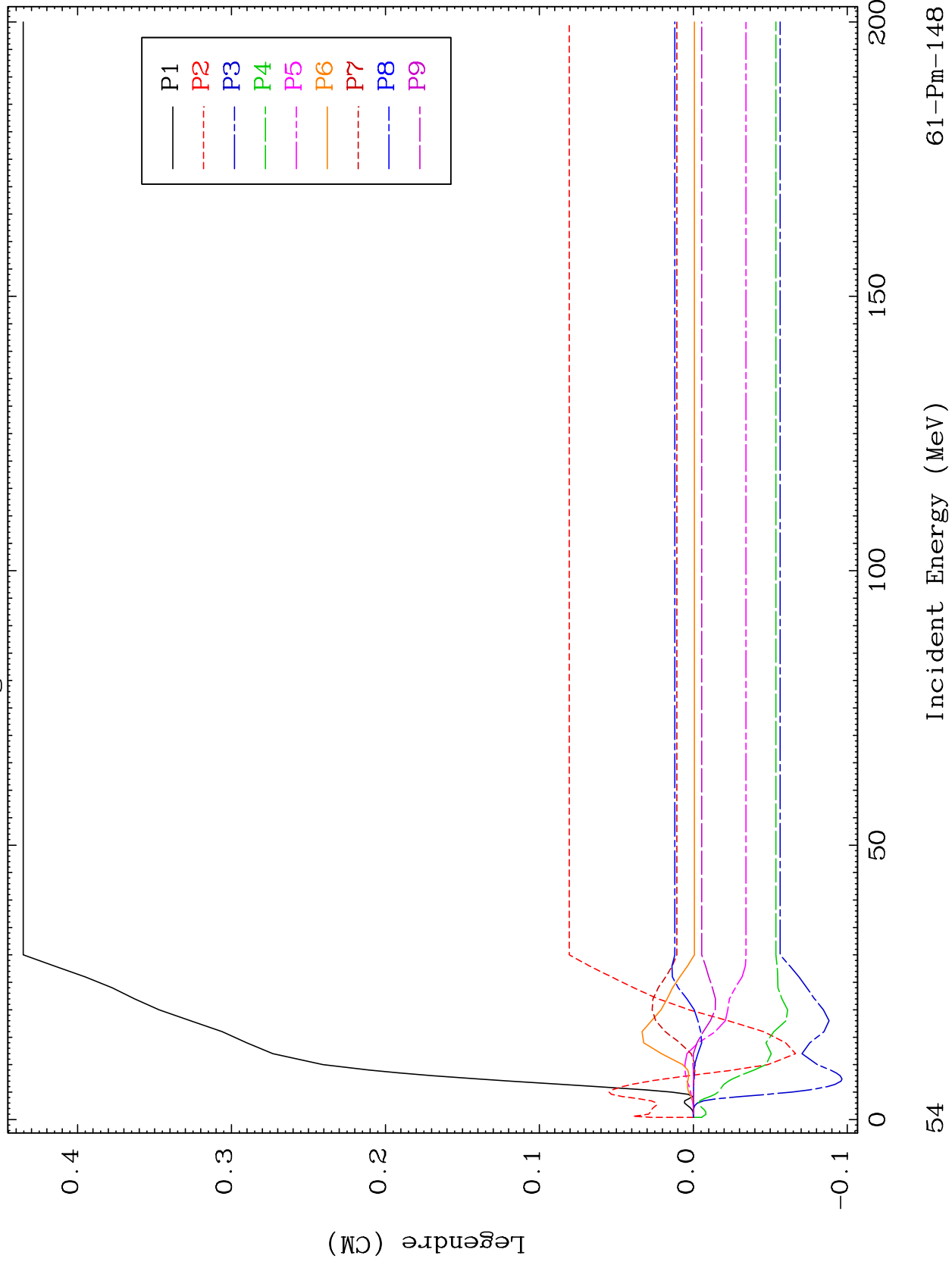
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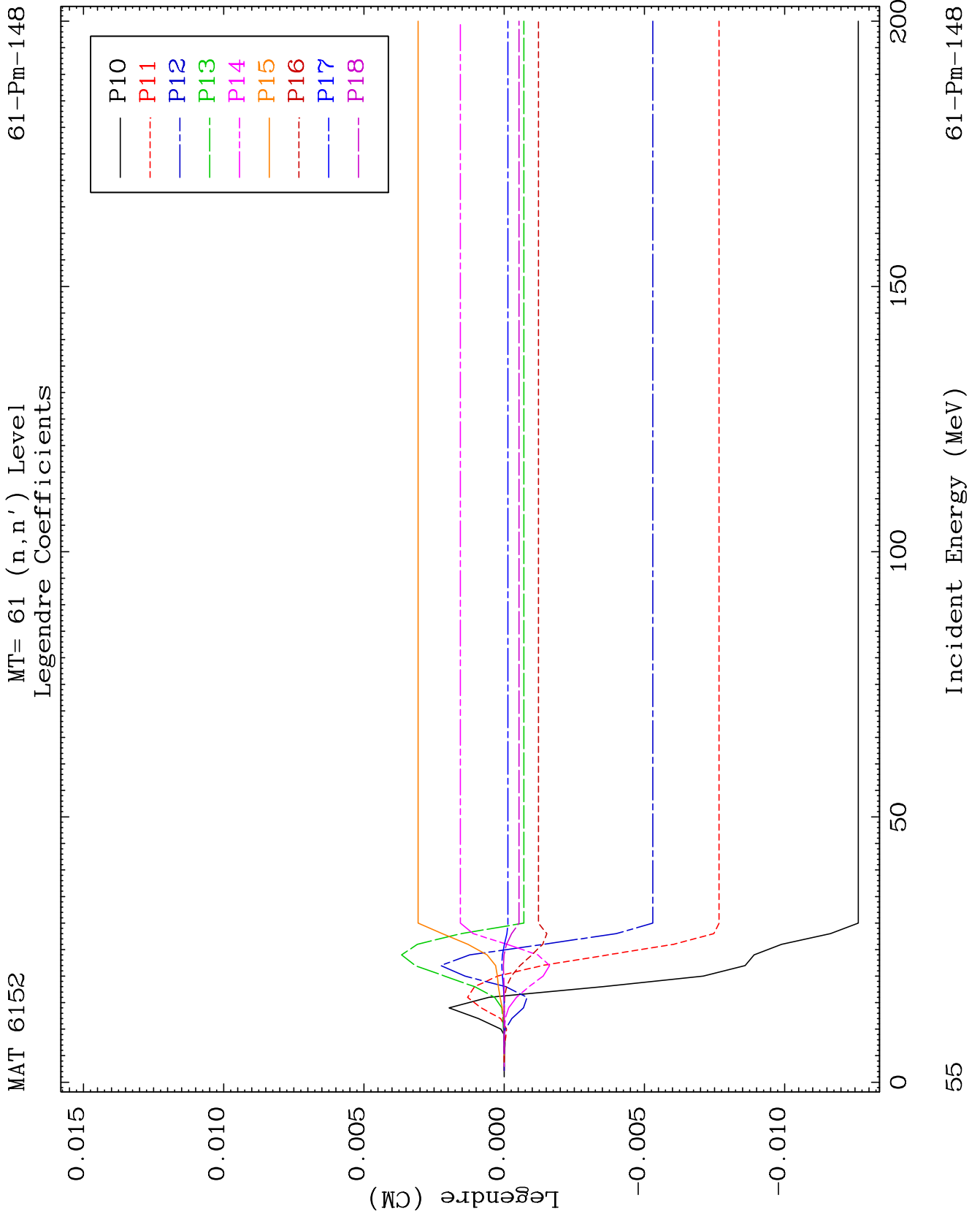


MAT 6152

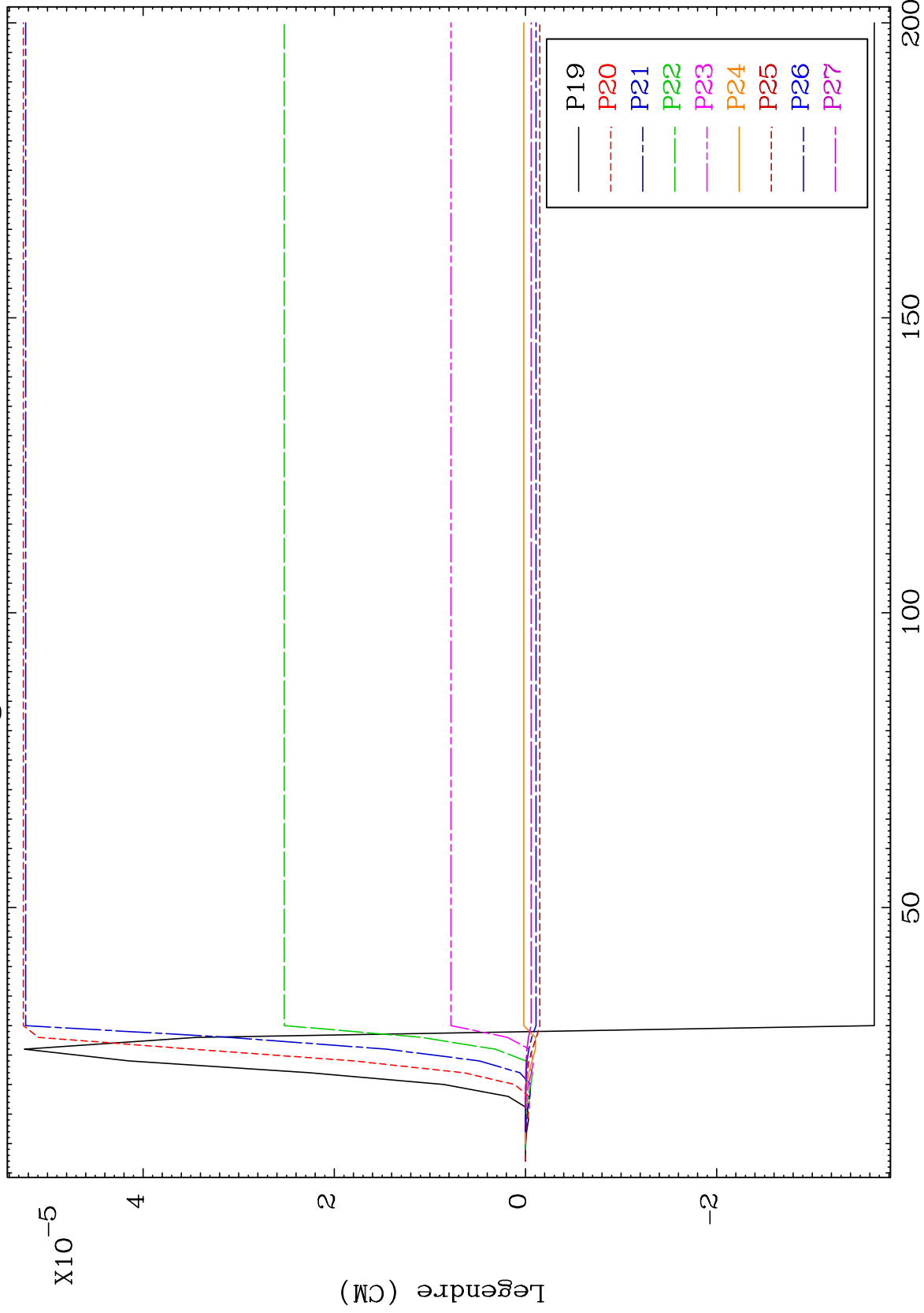
MT= 61 (n,n') Level  
Legendre Coefficients

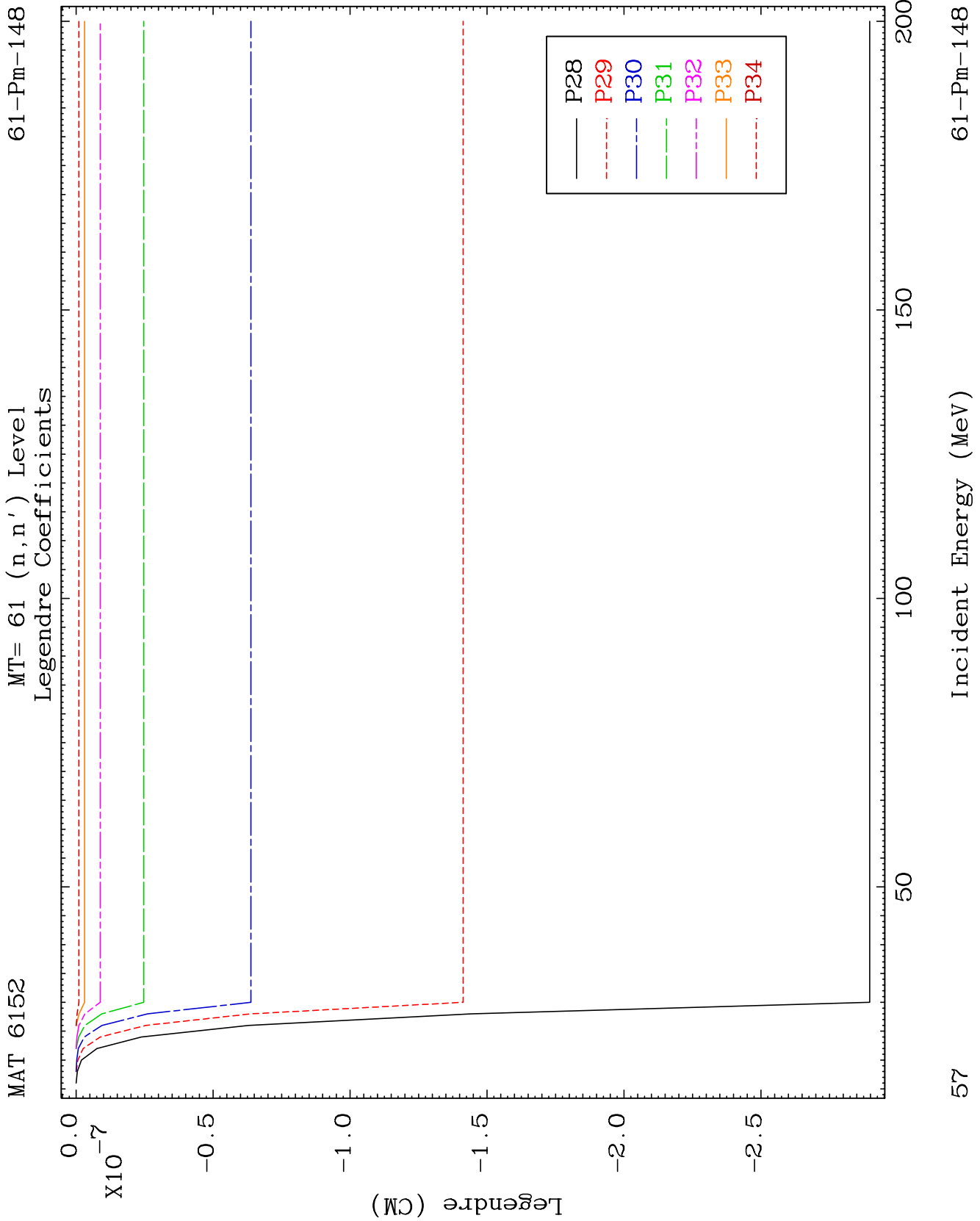
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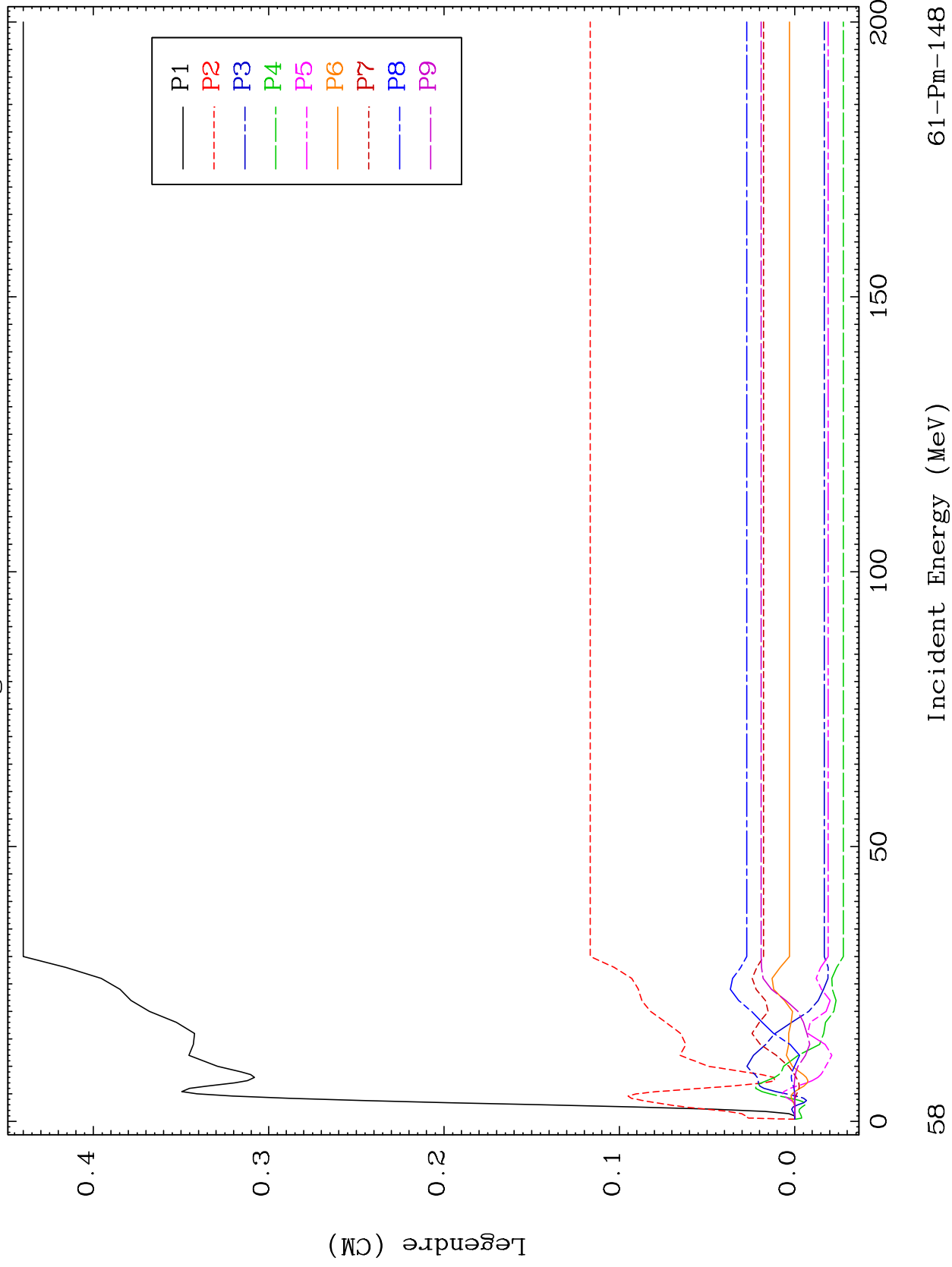




MAT 6152

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

61-Pm-148



61-Pm-148

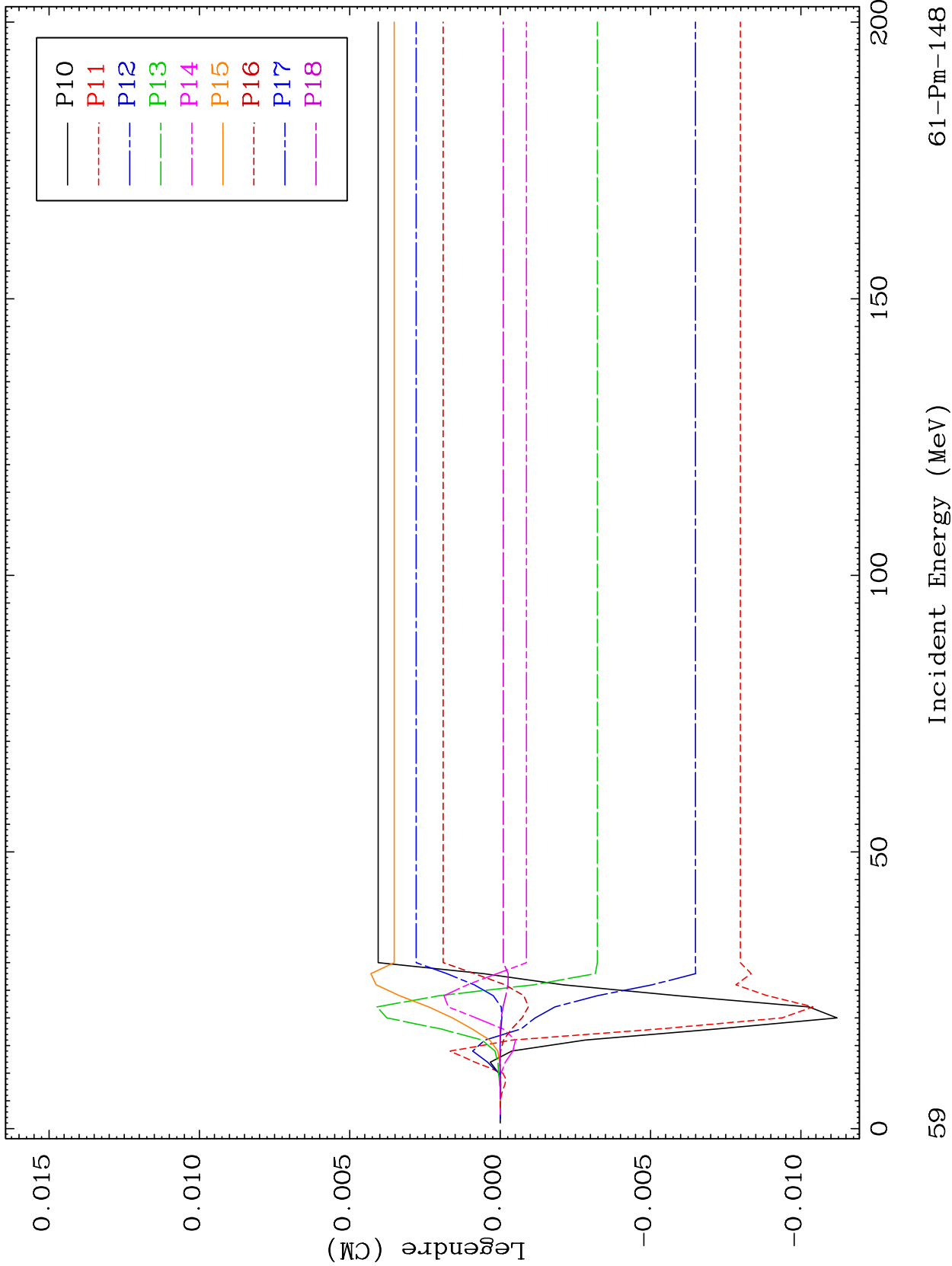
Incident Energy (MeV)

58

MAT 6152

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

61-Pm-148



59

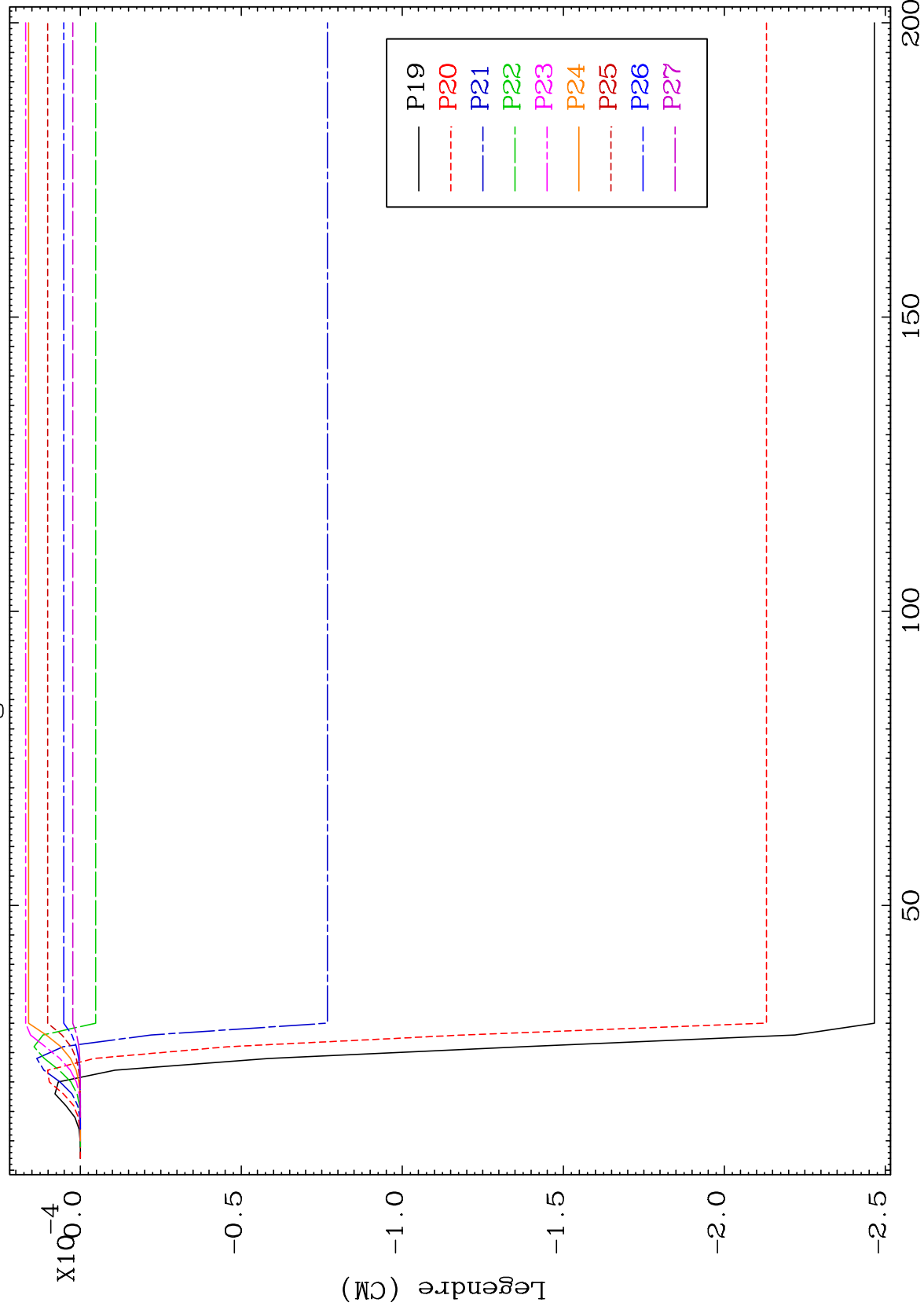
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



61-Pm-148

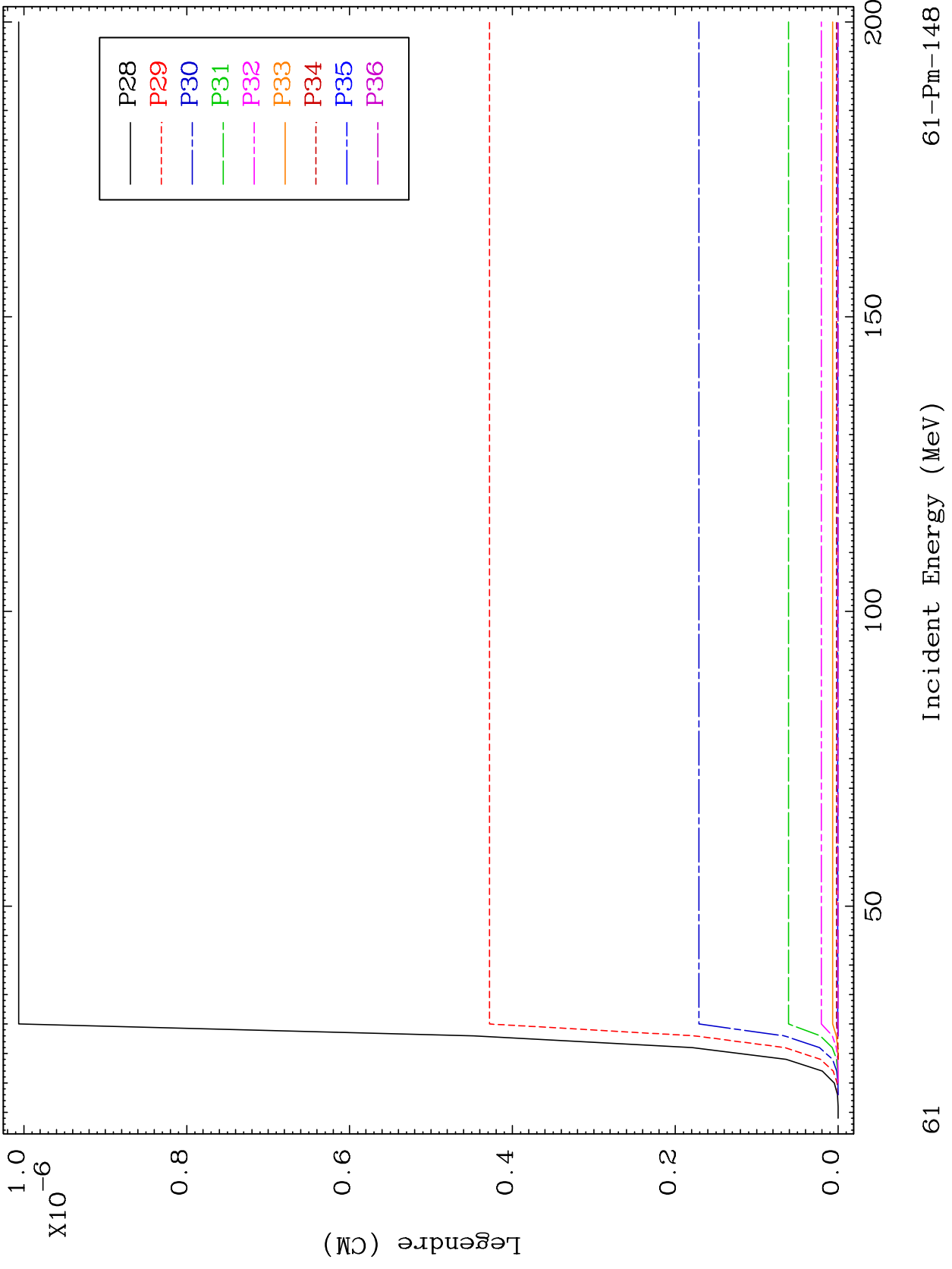
Incident Energy (MeV)

60

MAT 6152

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

61-Pm-148



61

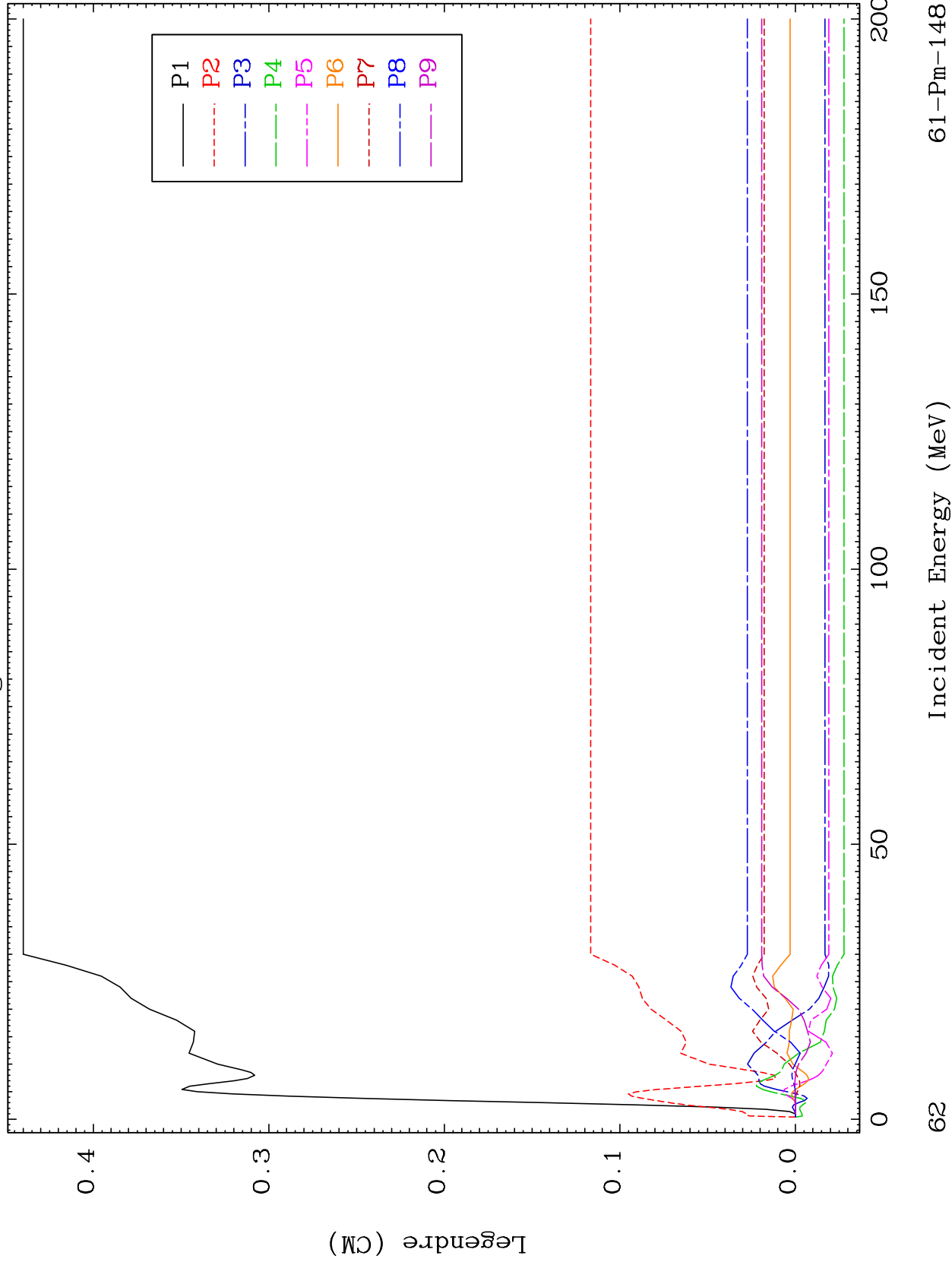
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



61-Pm-148

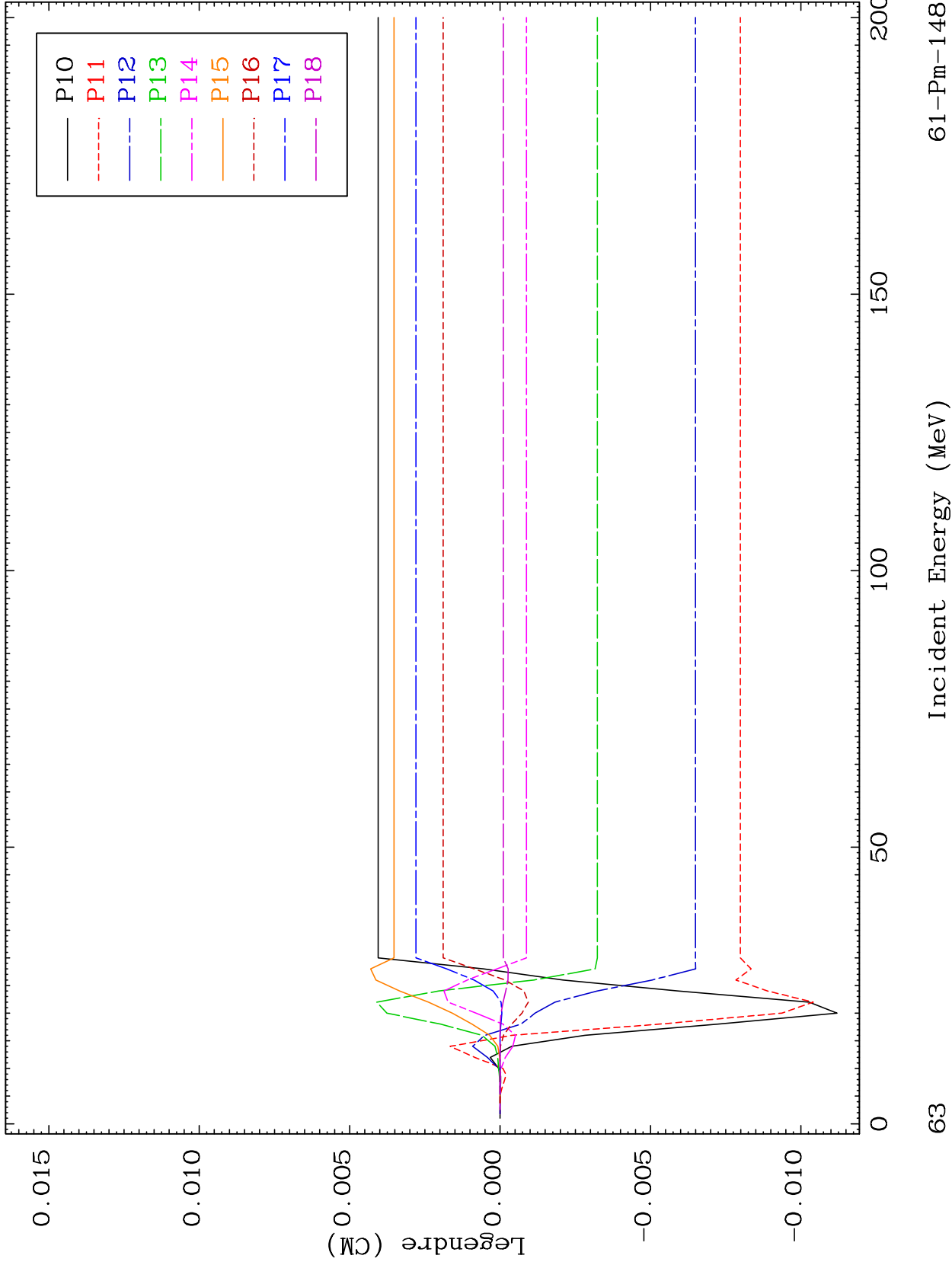
Incident Energy (MeV)

62

MAT 6152

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

61-Pm-148



63

Incident Energy (MeV)

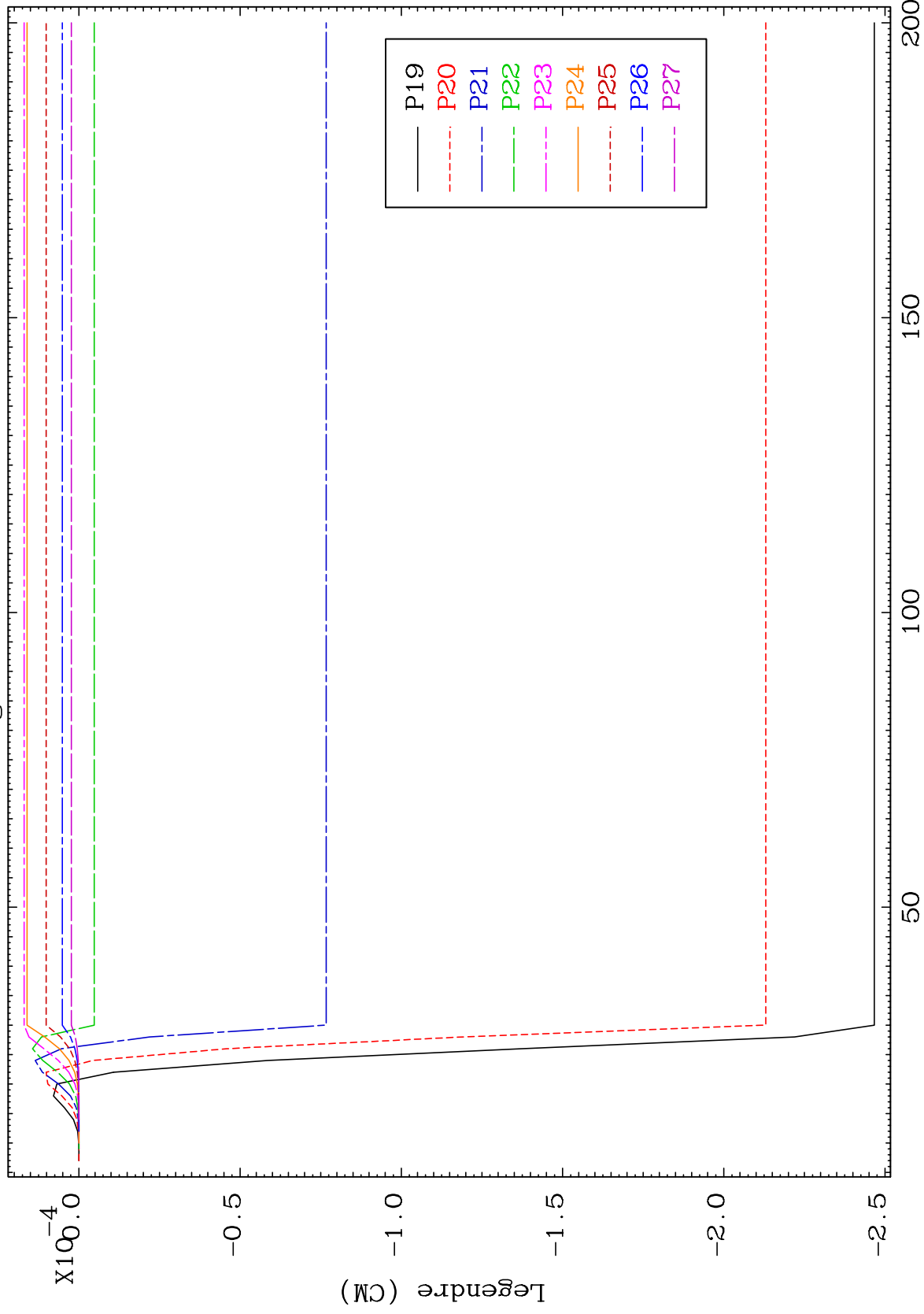
61-Pm-148



MAT 6152

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

61-Pm-148



64

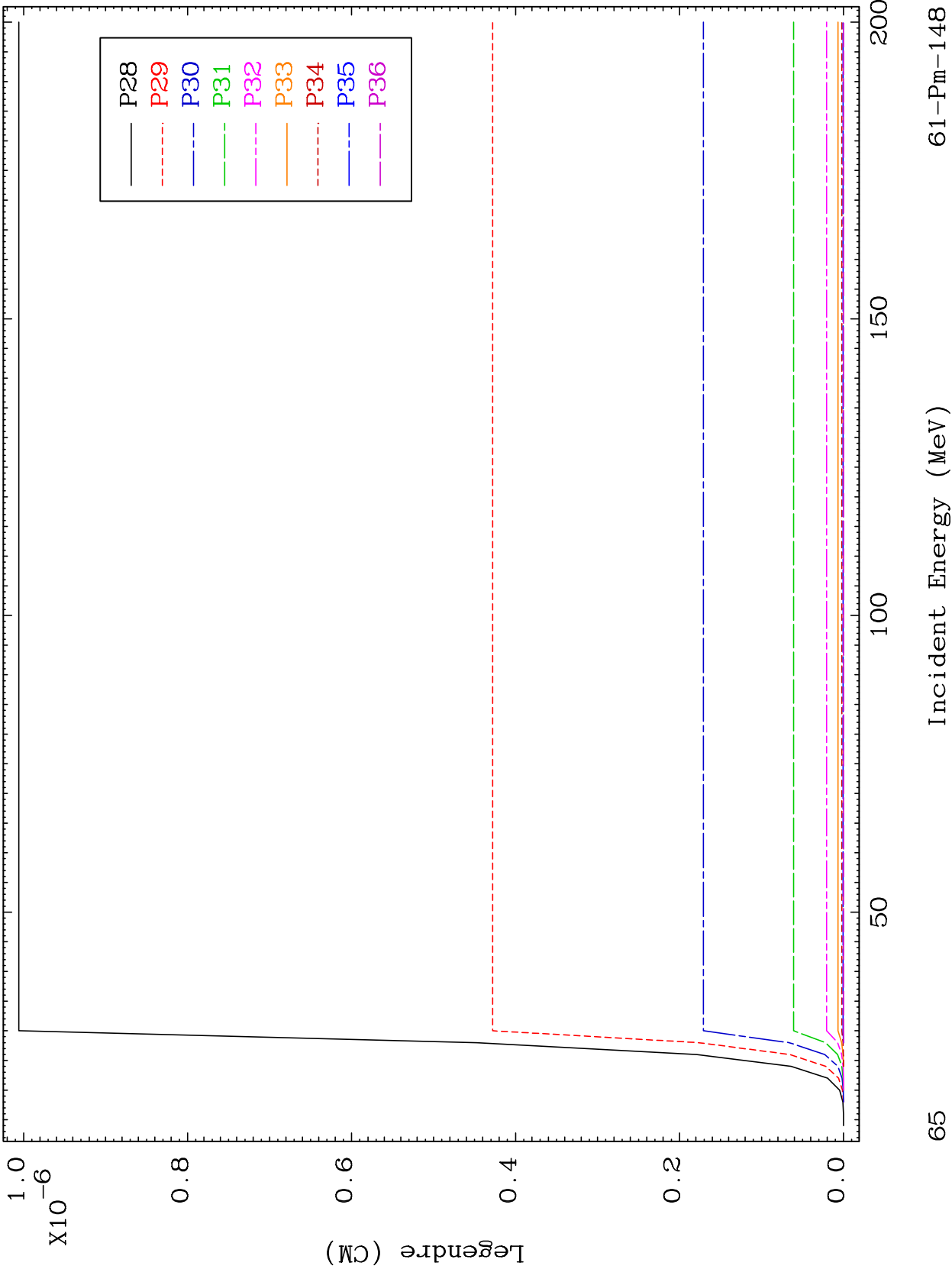
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



65

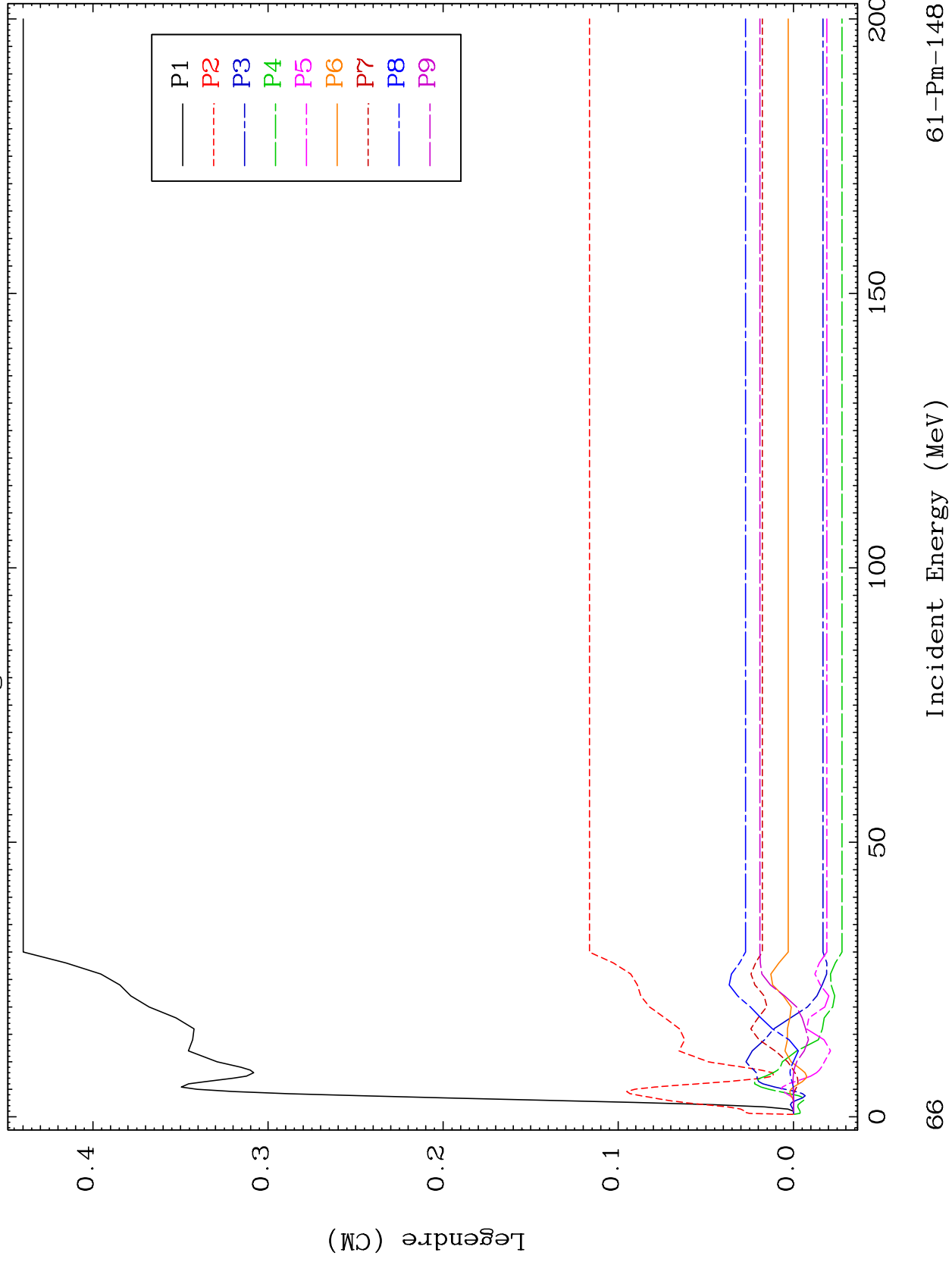
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



61-Pm-148

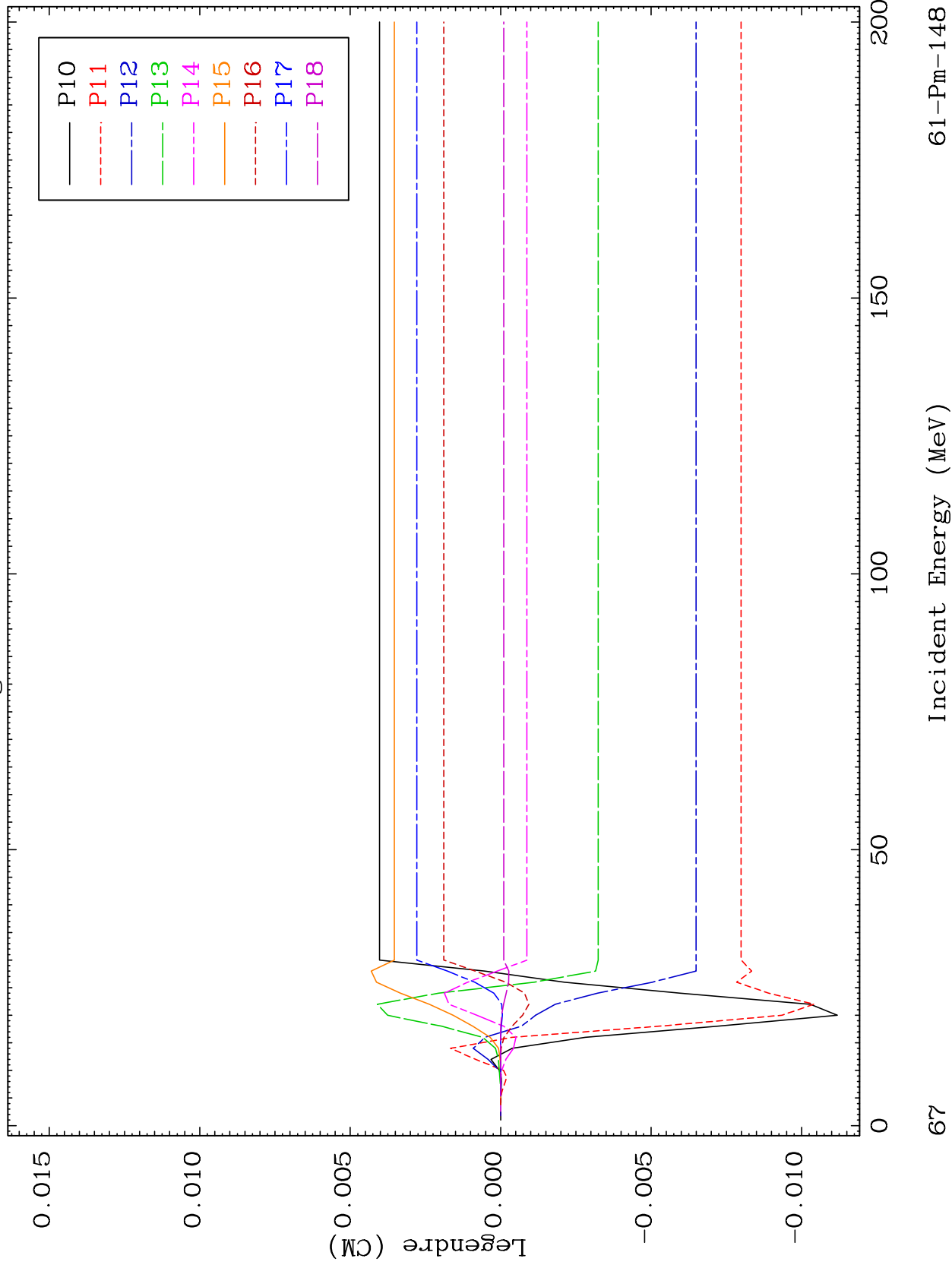
Incident Energy (MeV)

66

MAT 6152

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

61-Pm-148



61-Pm-148

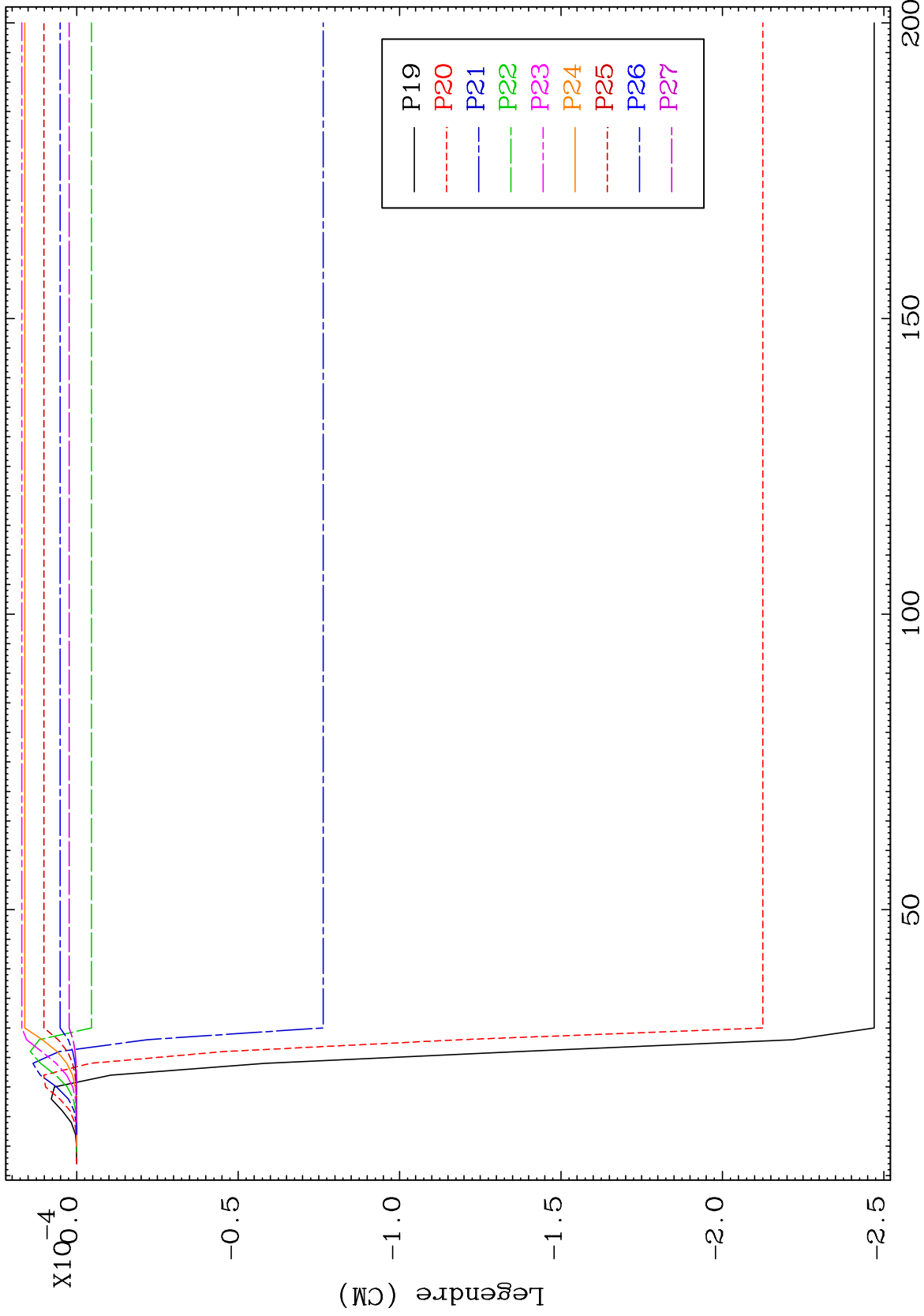
Incident Energy (MeV)

67

MAT 6152

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

61-Pm-148



68

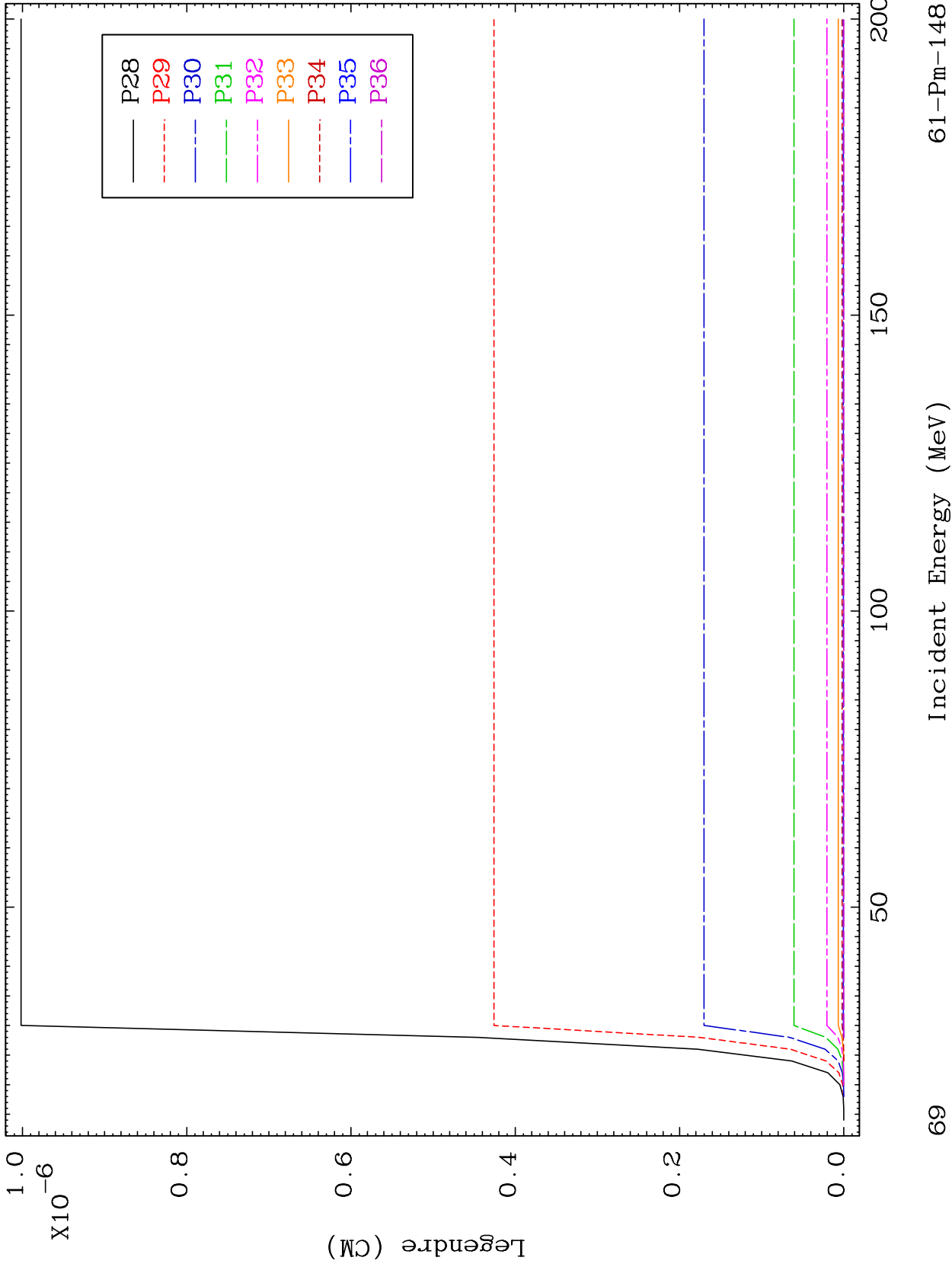
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148

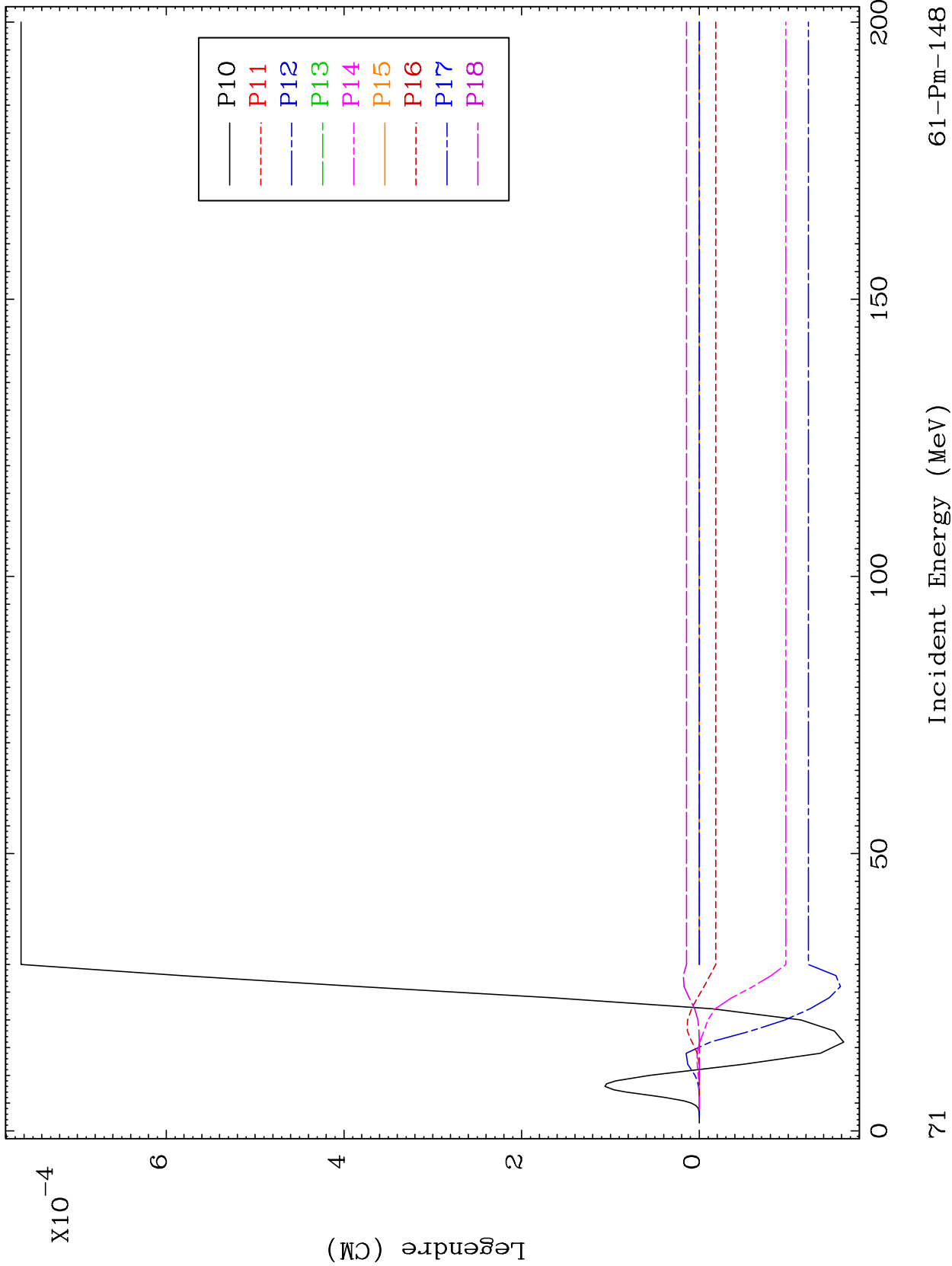




MAT 6152

MT= 65 (n,n') Level  
Legendre Coefficients

61-Pm-148

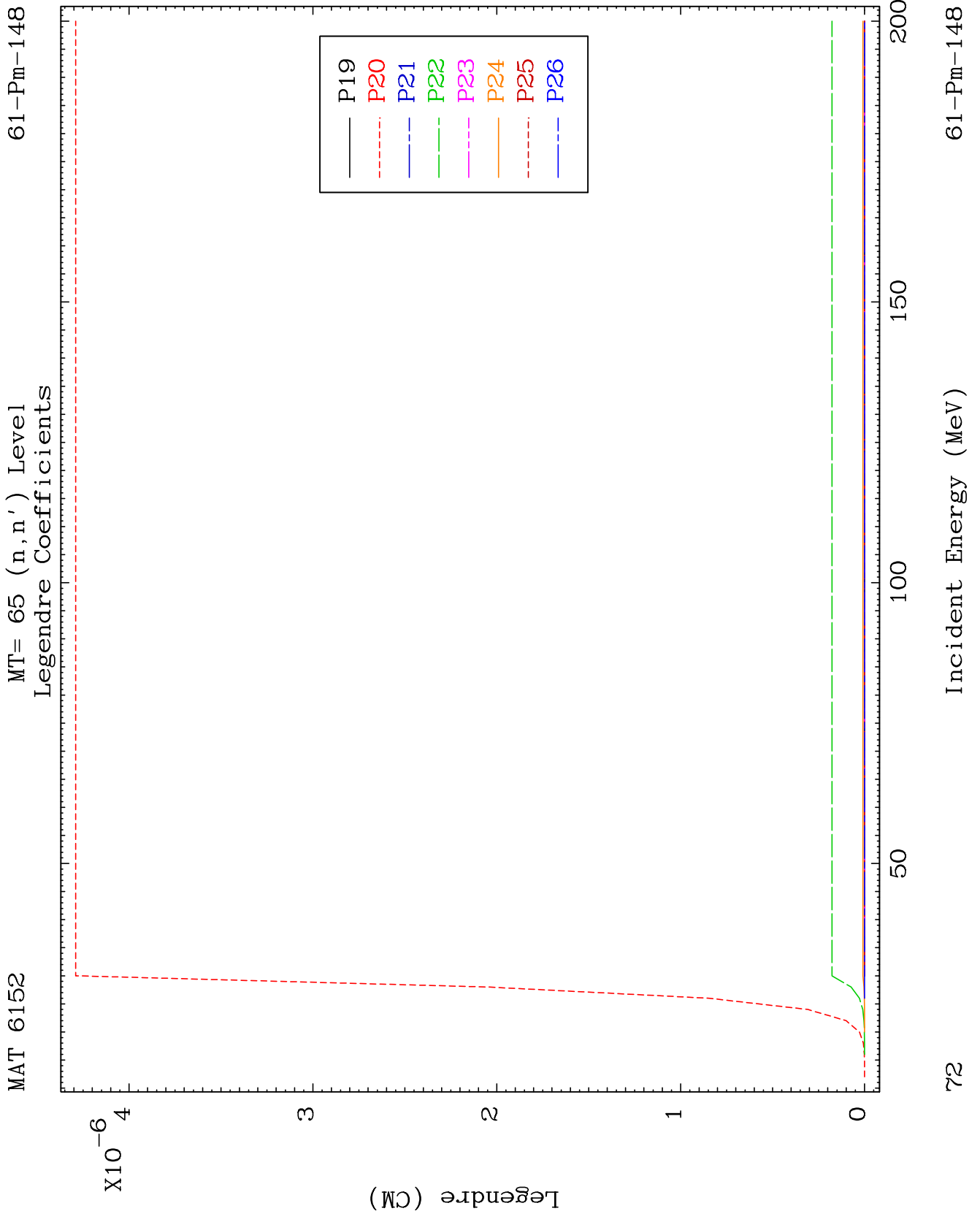


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Incident Energy (MeV)

61-Pm-148

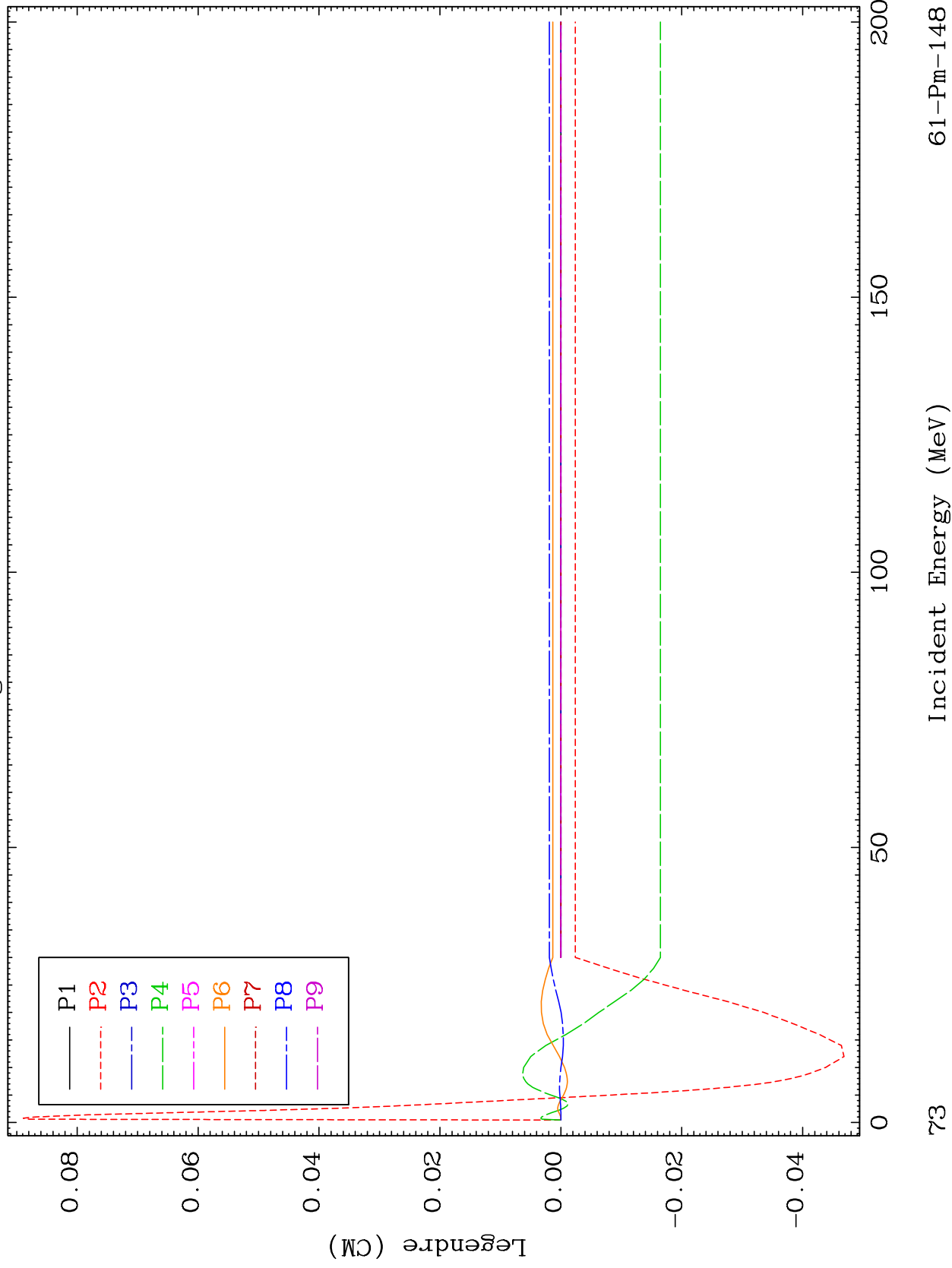




MAT 6152

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

61-Pm-148



61-Pm-148

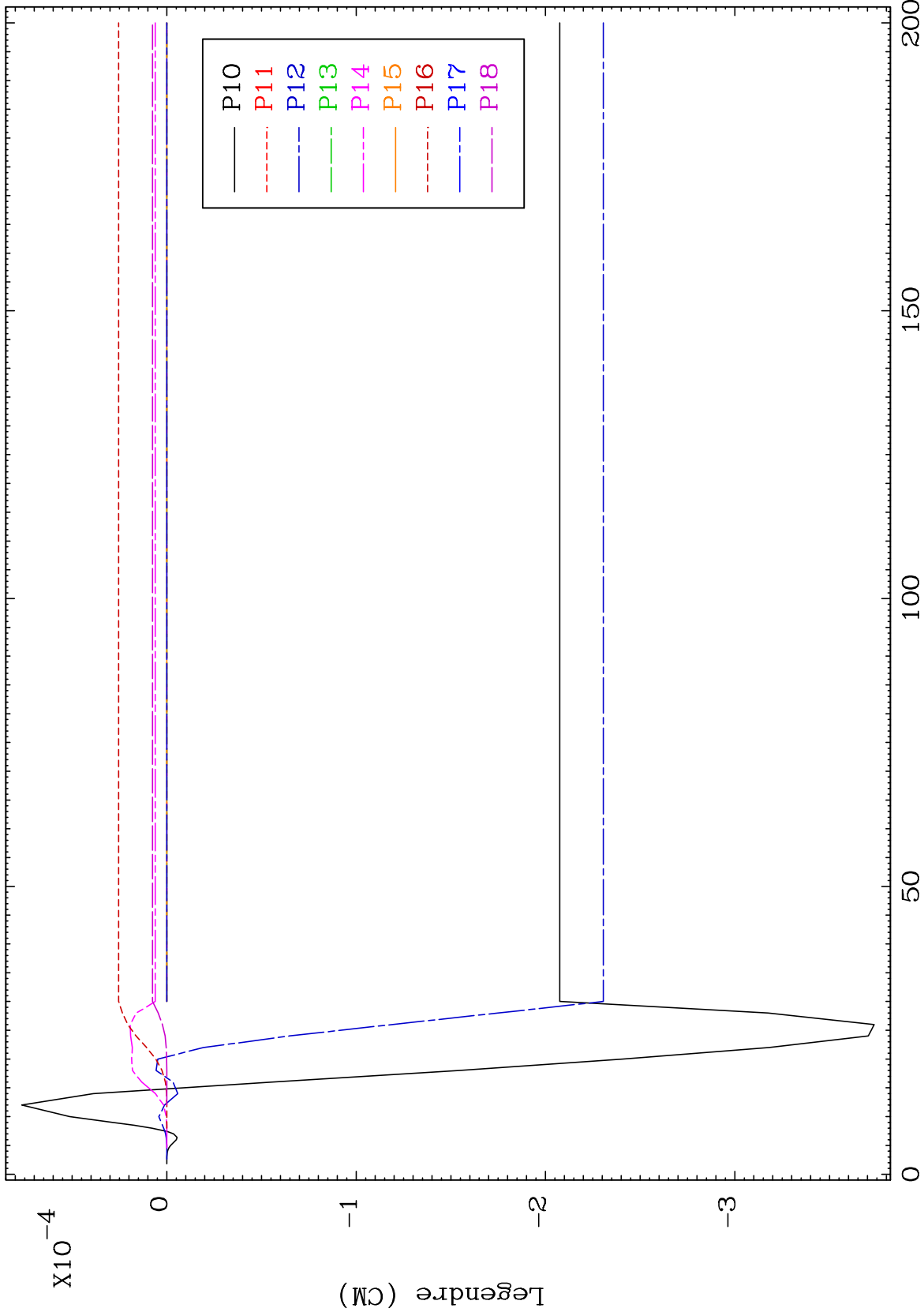
Incident Energy (MeV)

73

MAT 6152

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

61-Pm-148



74

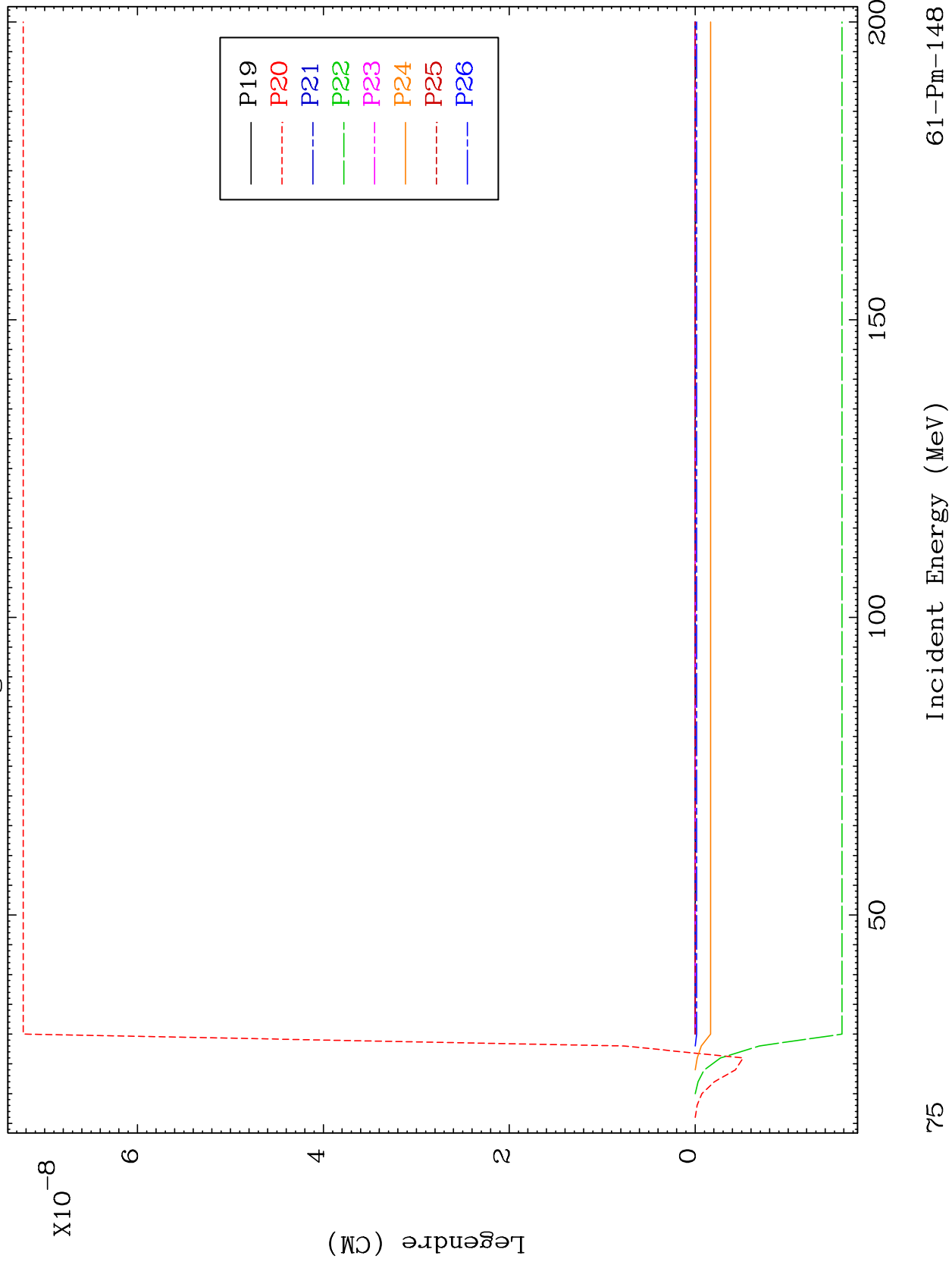
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



75

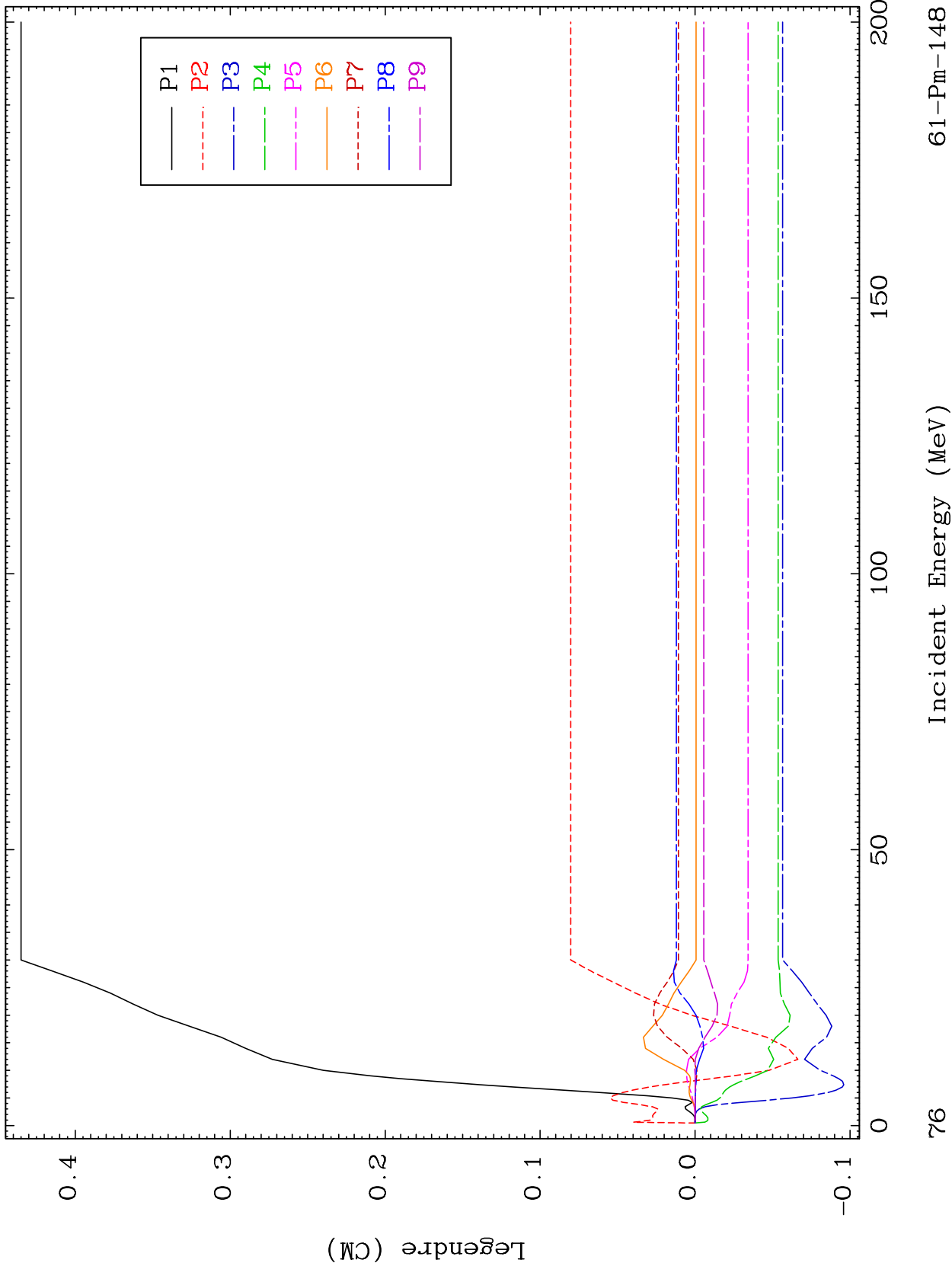
Incident Energy (MeV)

61-Pm-148

MAT 6152

MT= 67 (n,n') Level  
Legendre Coefficients

61-Pm-148

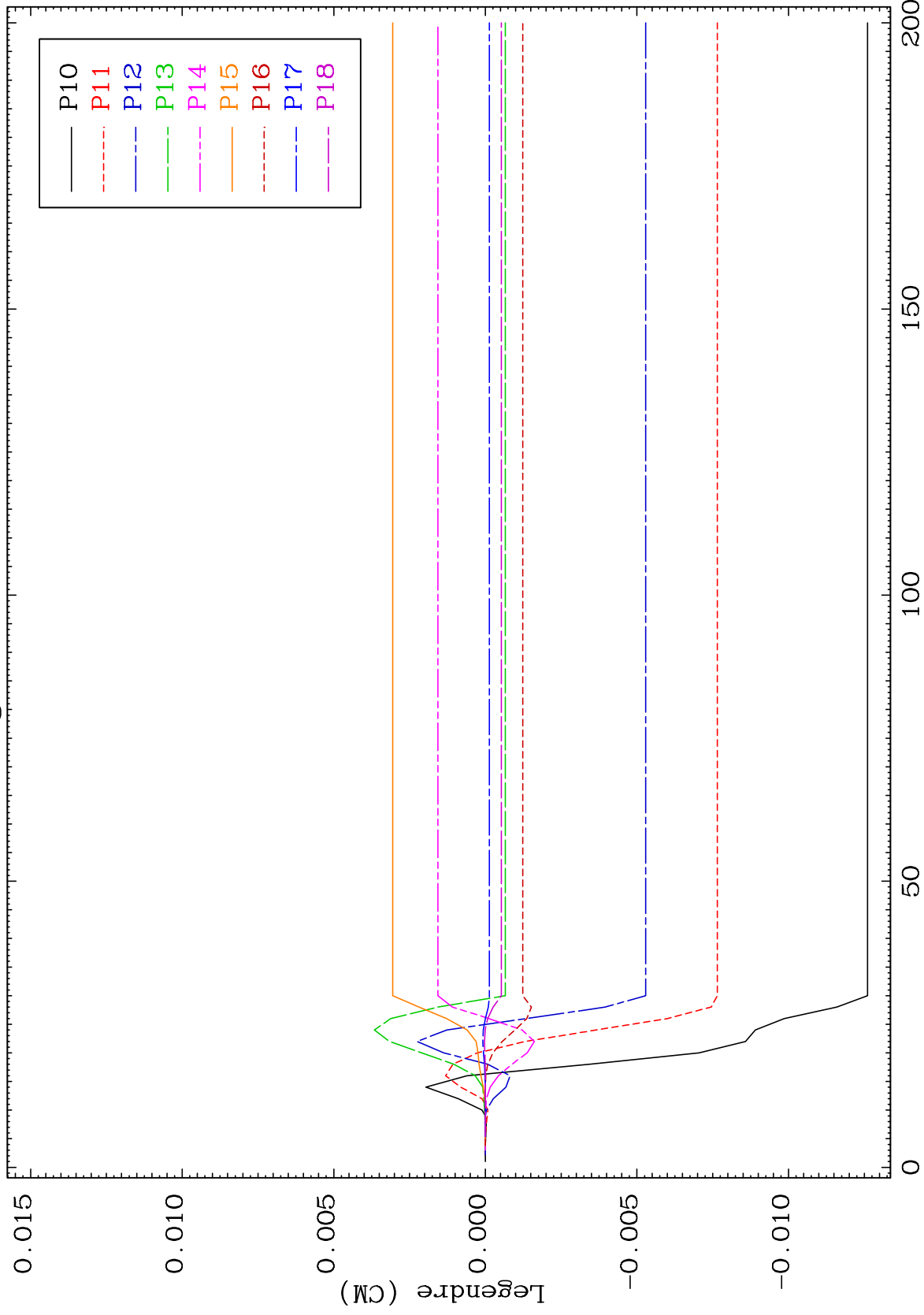


61-Pm-148

MAT 6152

MT= 67 (n,n') Level  
Legendre Coefficients

61-Pm-148



77

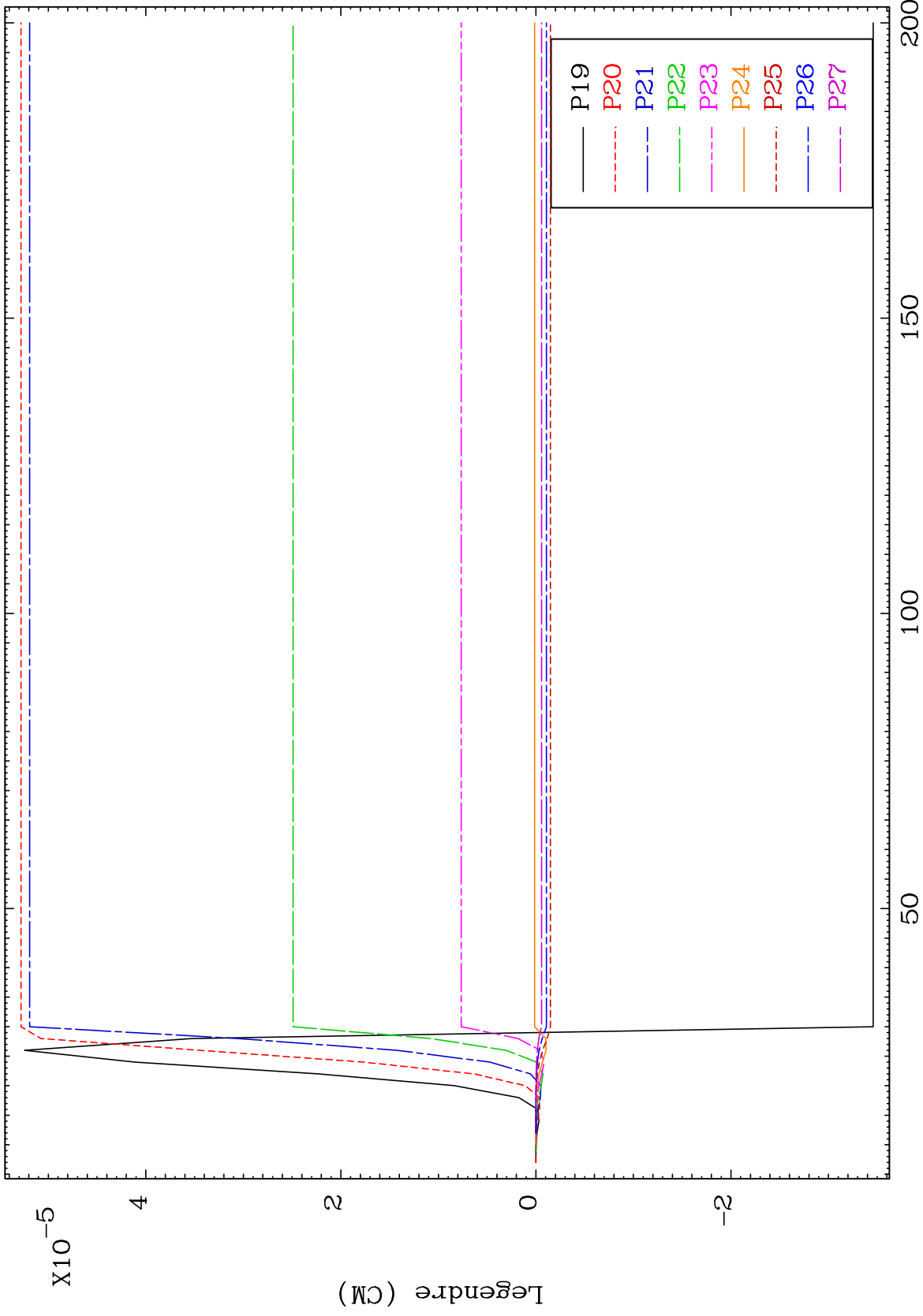
Incident Energy (MeV)

61-Pm-148

MAT 6152

MT= 67 (n,n') Level  
Legendre Coefficients

61-Pm-148



78

Incident Energy (MeV)

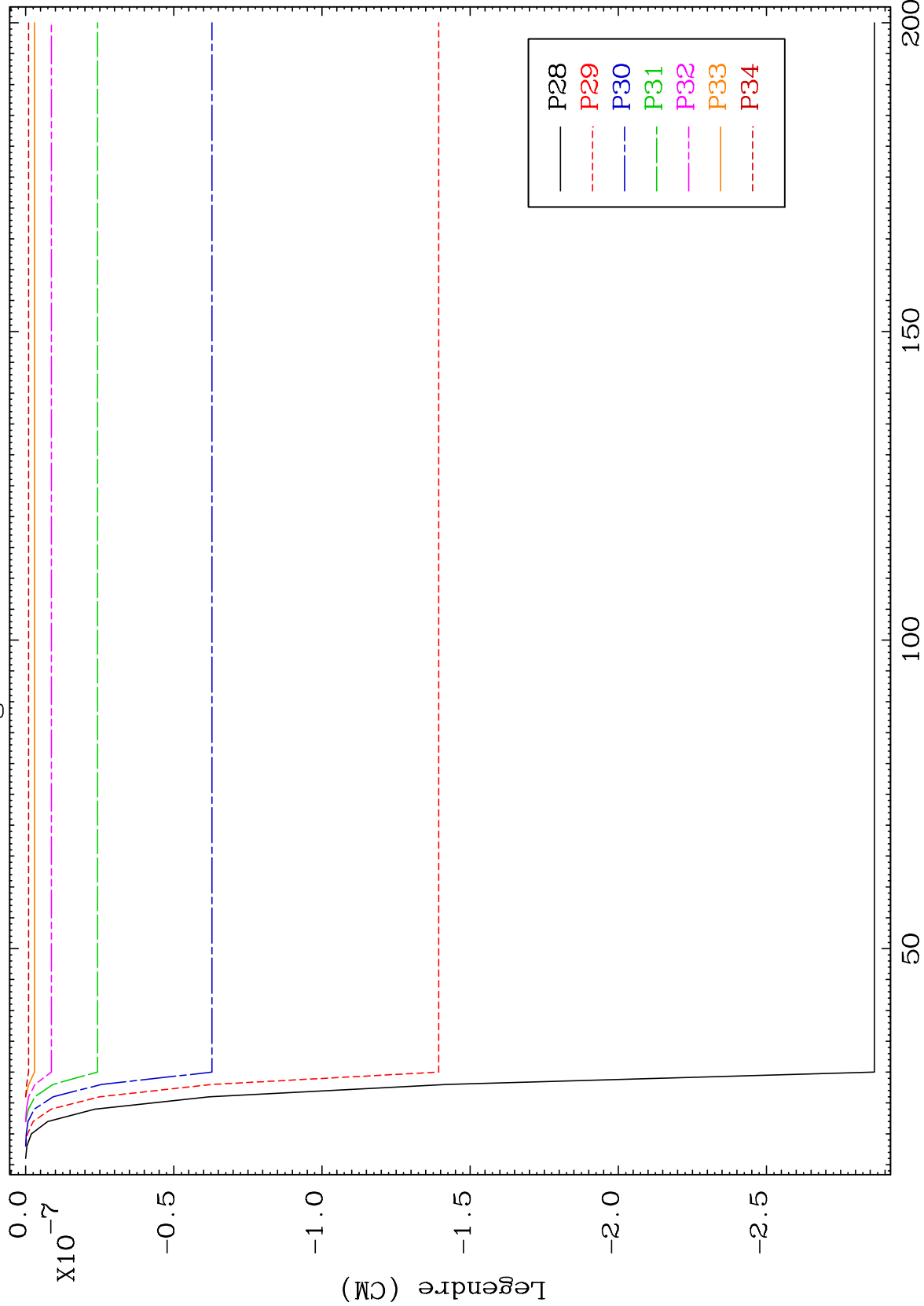
61-Pm-148

MAT 6152

MT= 67 (n,n') Level

61-Pm-148

Legendre Coefficients



79

Incident Energy (MeV)

61-Pm-148

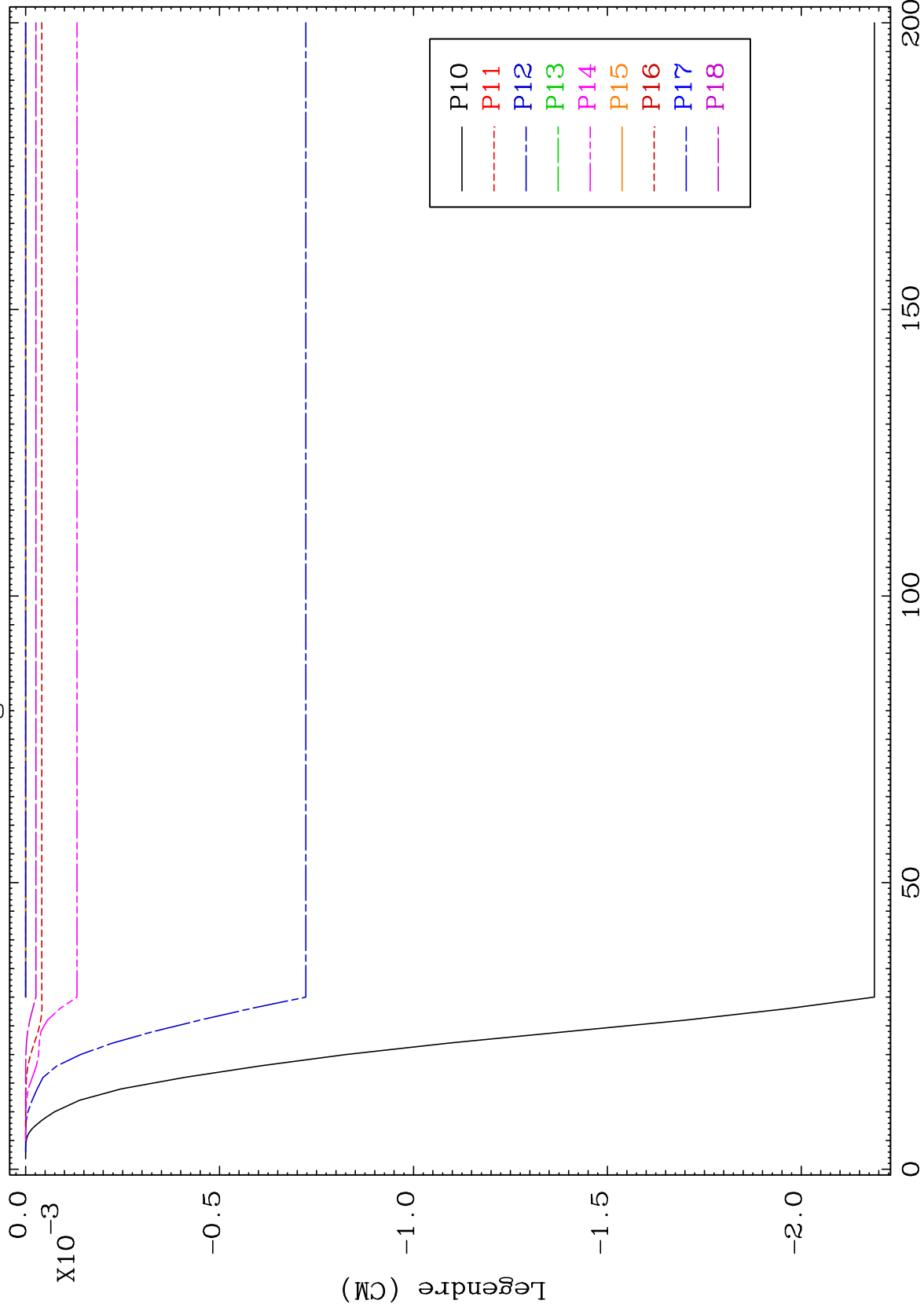




MAT 6152

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

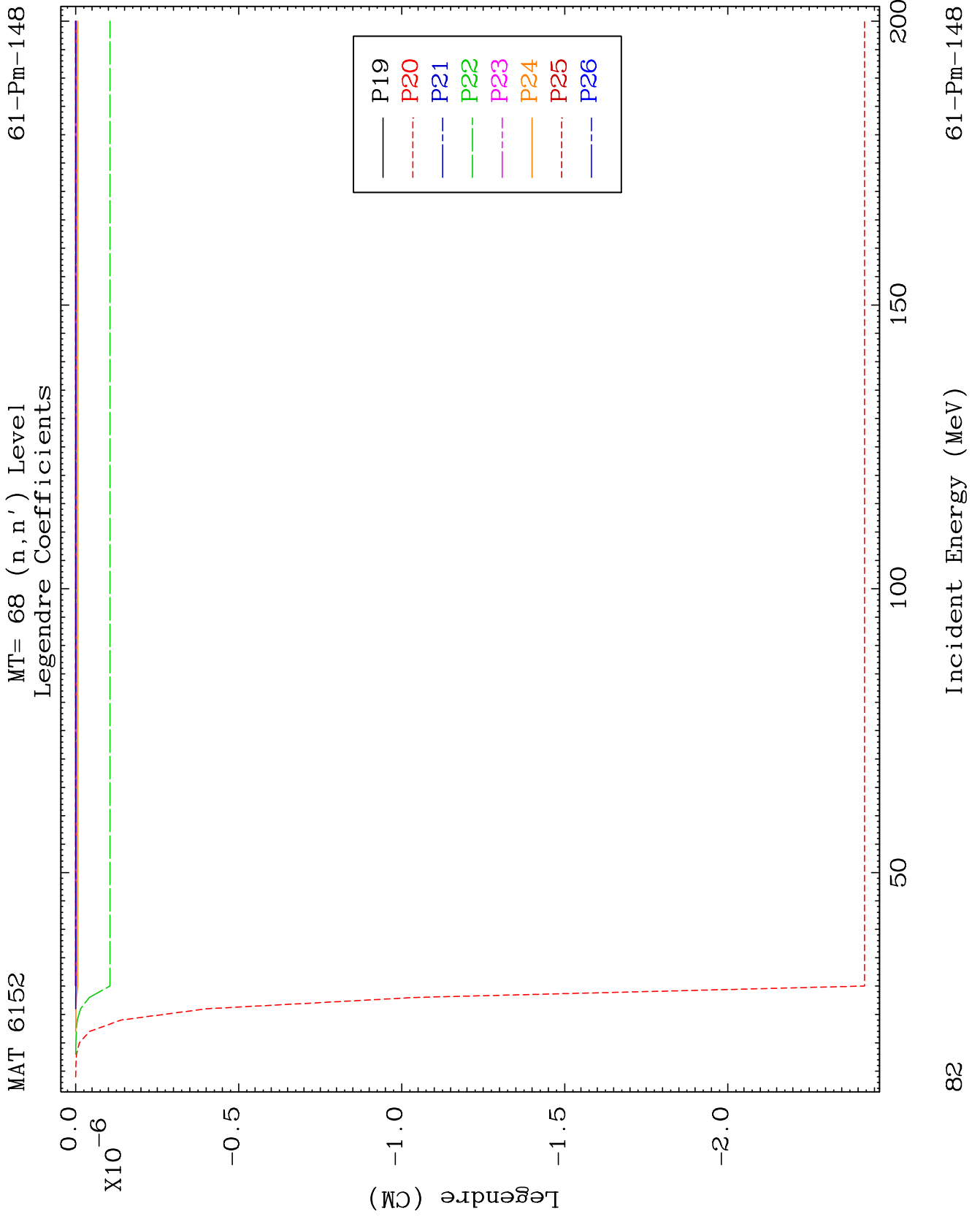
61-Pm-148



81

Incident Energy (MeV)

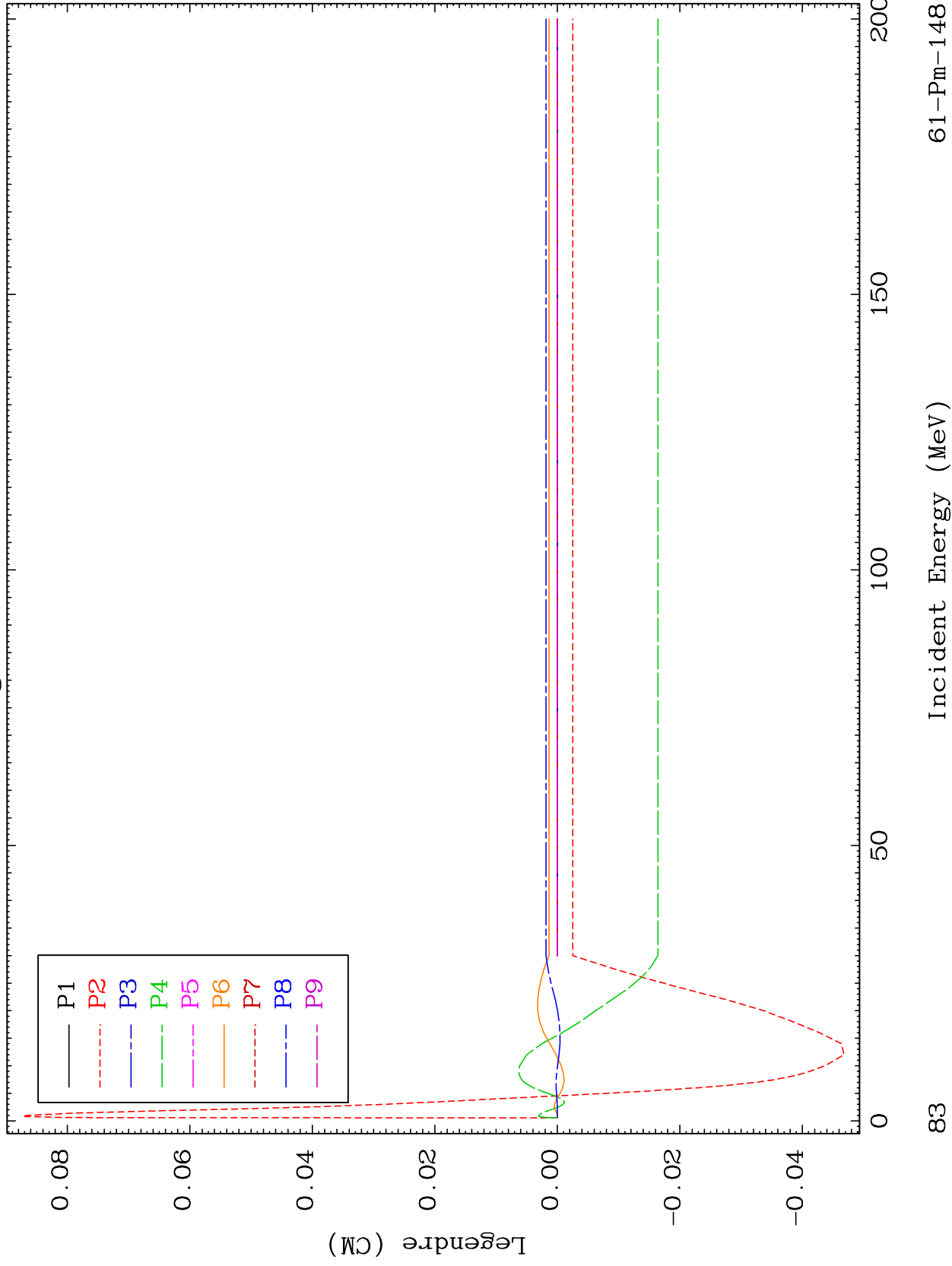
61-Pm-148



MAT 6152

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

61-Pm-148



83

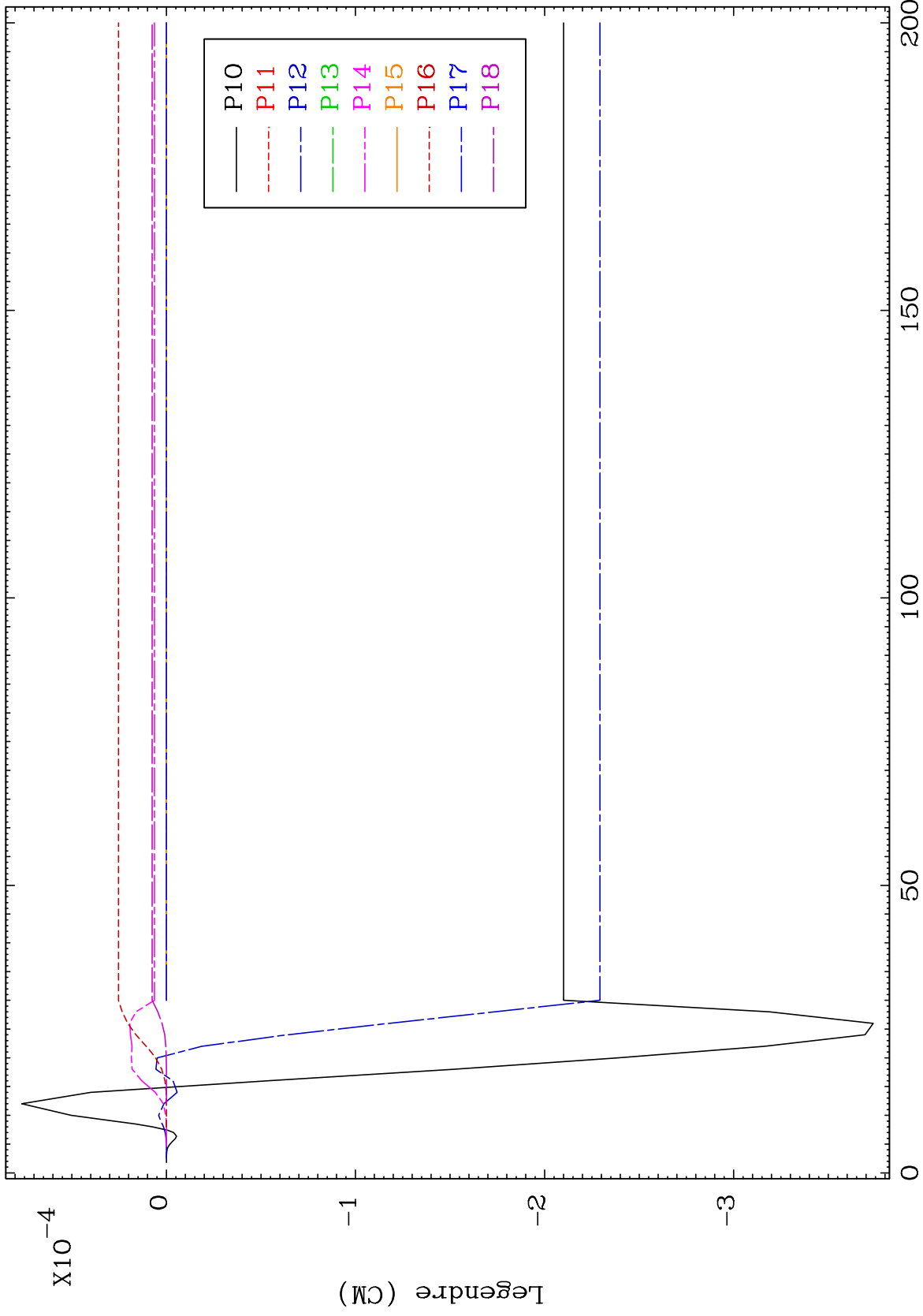
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



84

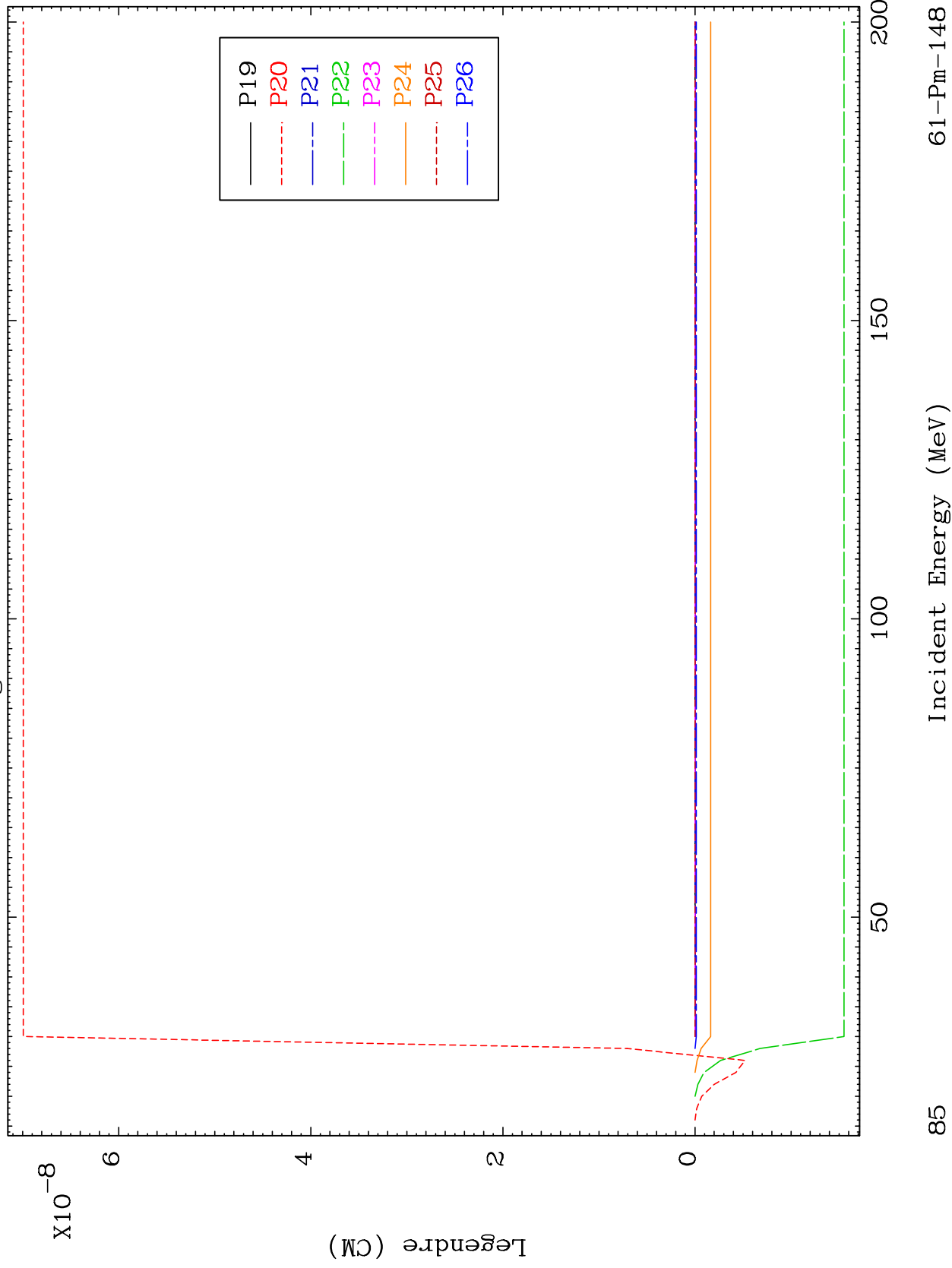
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



85

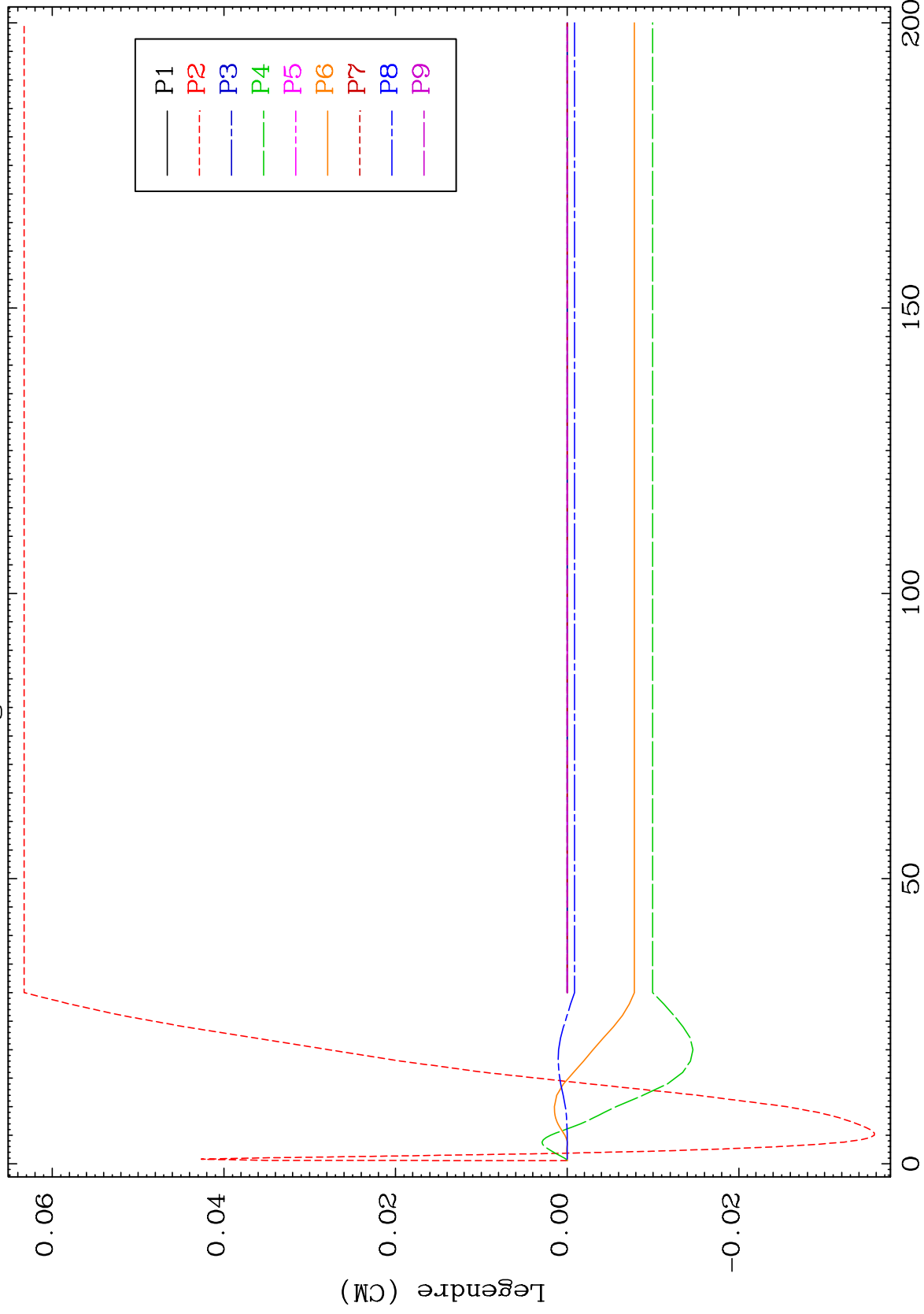
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



86

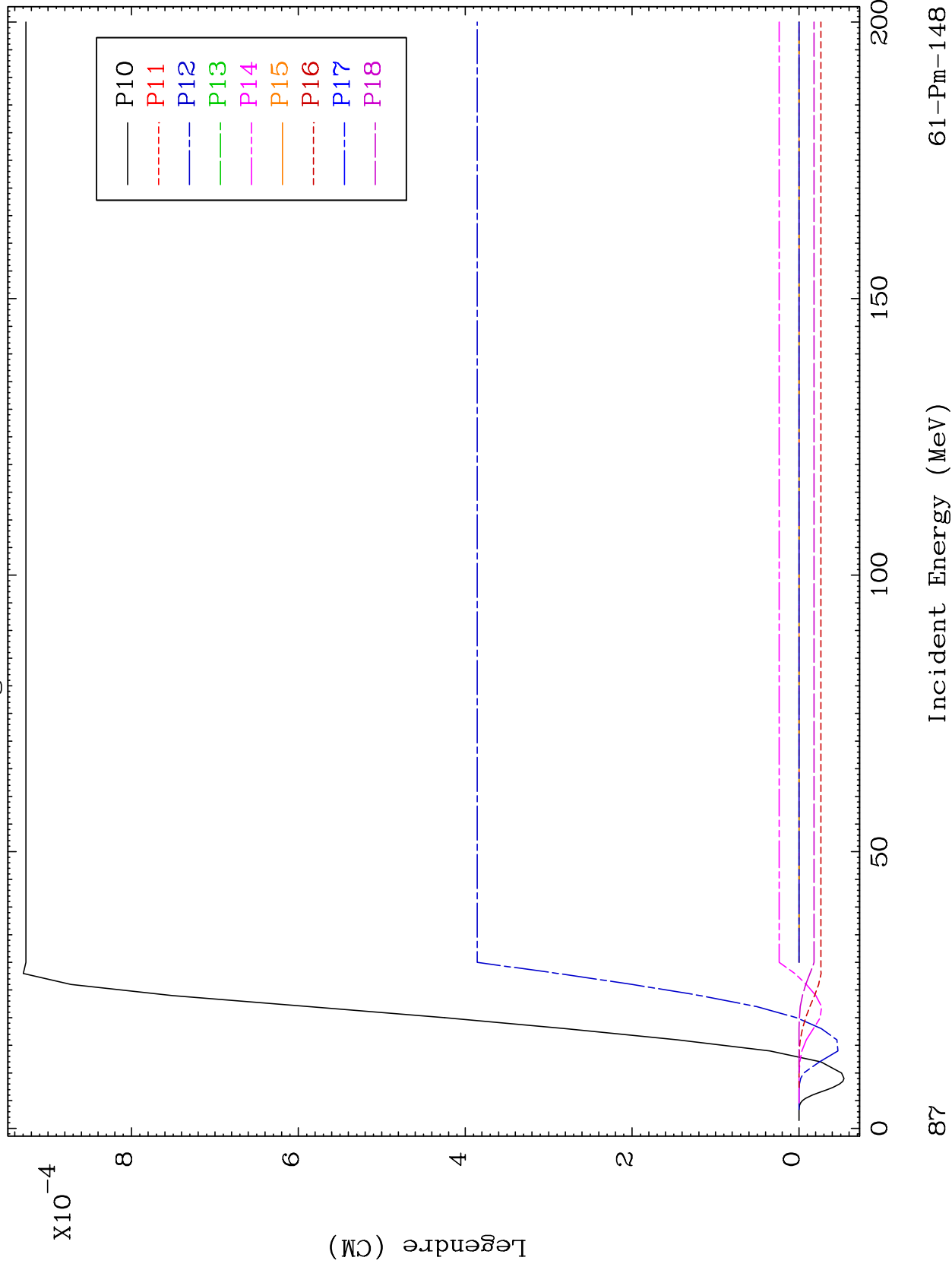
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148

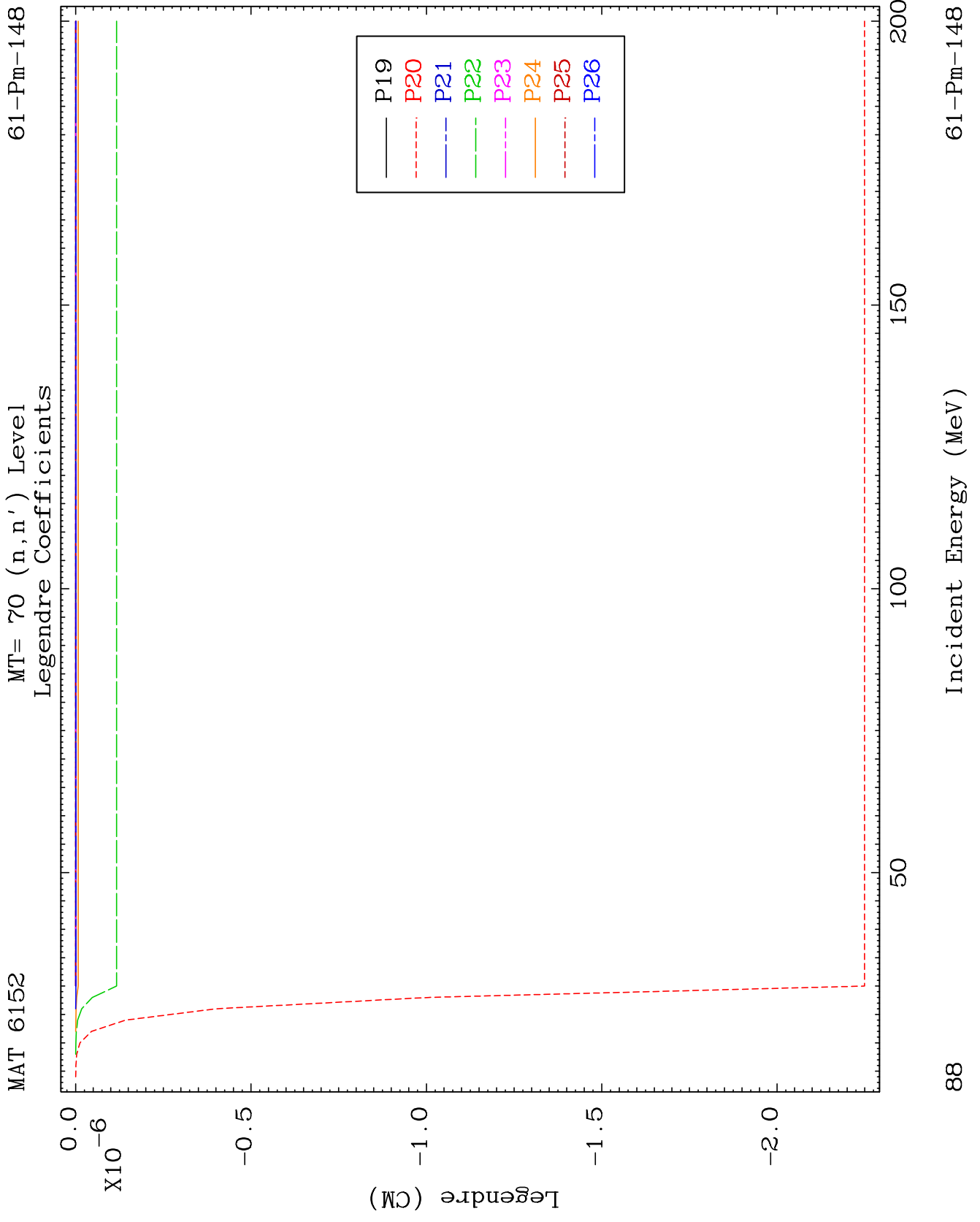


87

Incident Energy (MeV)

61-Pm-148

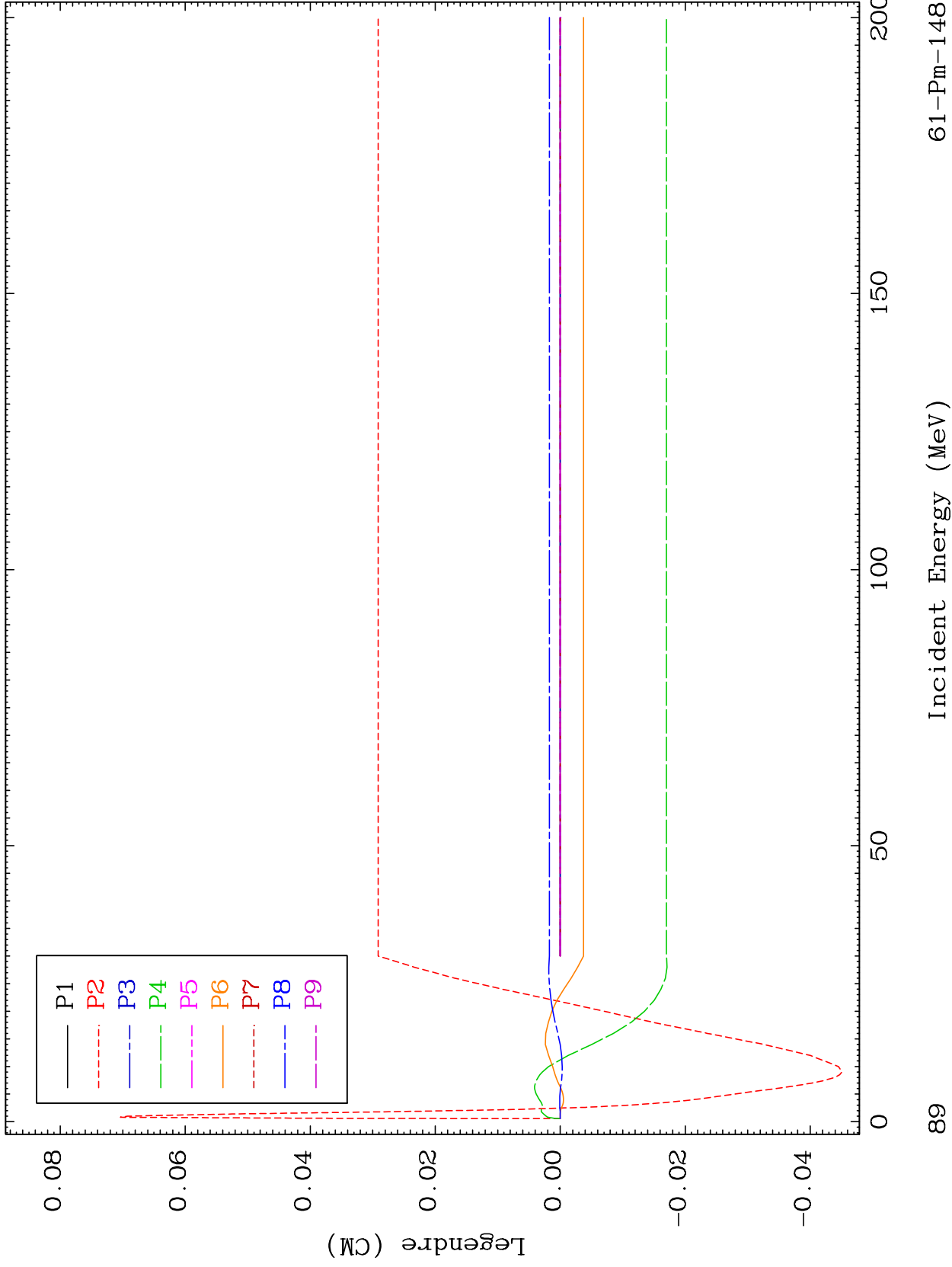




MAT 6152

MT= 71 (n,n') Level  
Legendre Coefficients

61-Pm-148



89

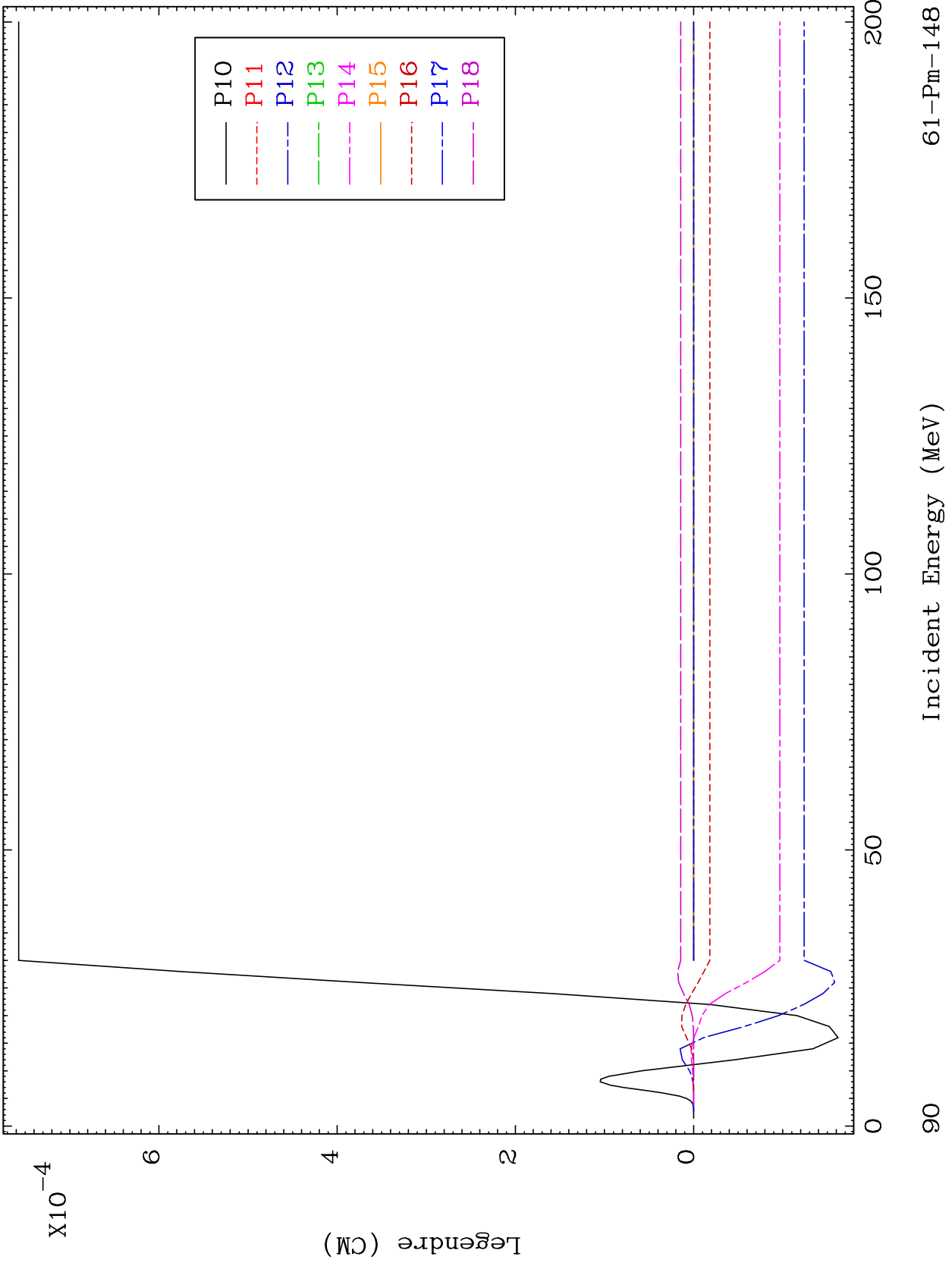
Incident Energy (MeV)

61-Pm-148

MAT 6152

MT= 71 (n,n') Level  
Legendre Coefficients

61-Pm-148

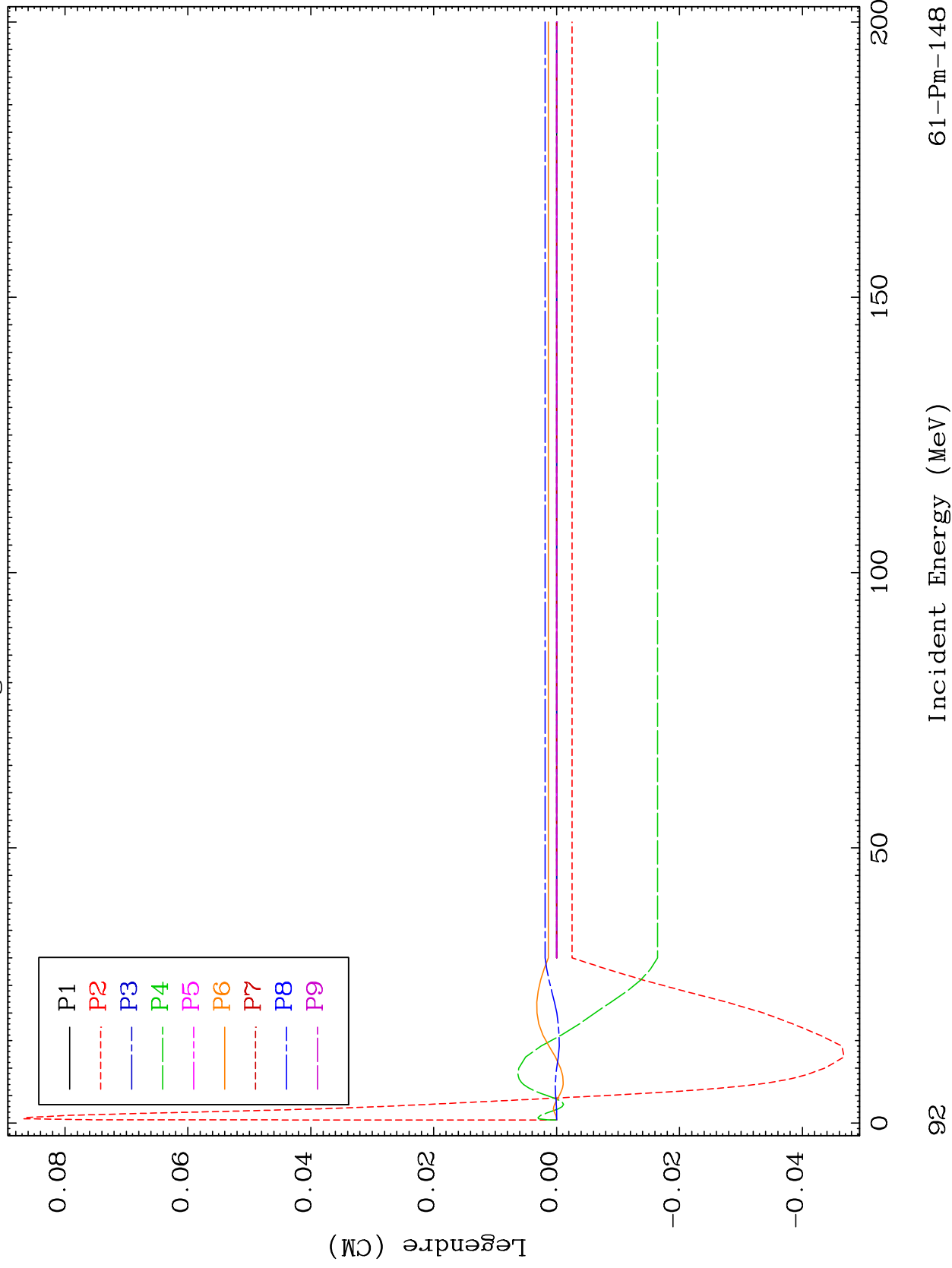




MAT 6152

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

61-Pm-148



61-Pm-148

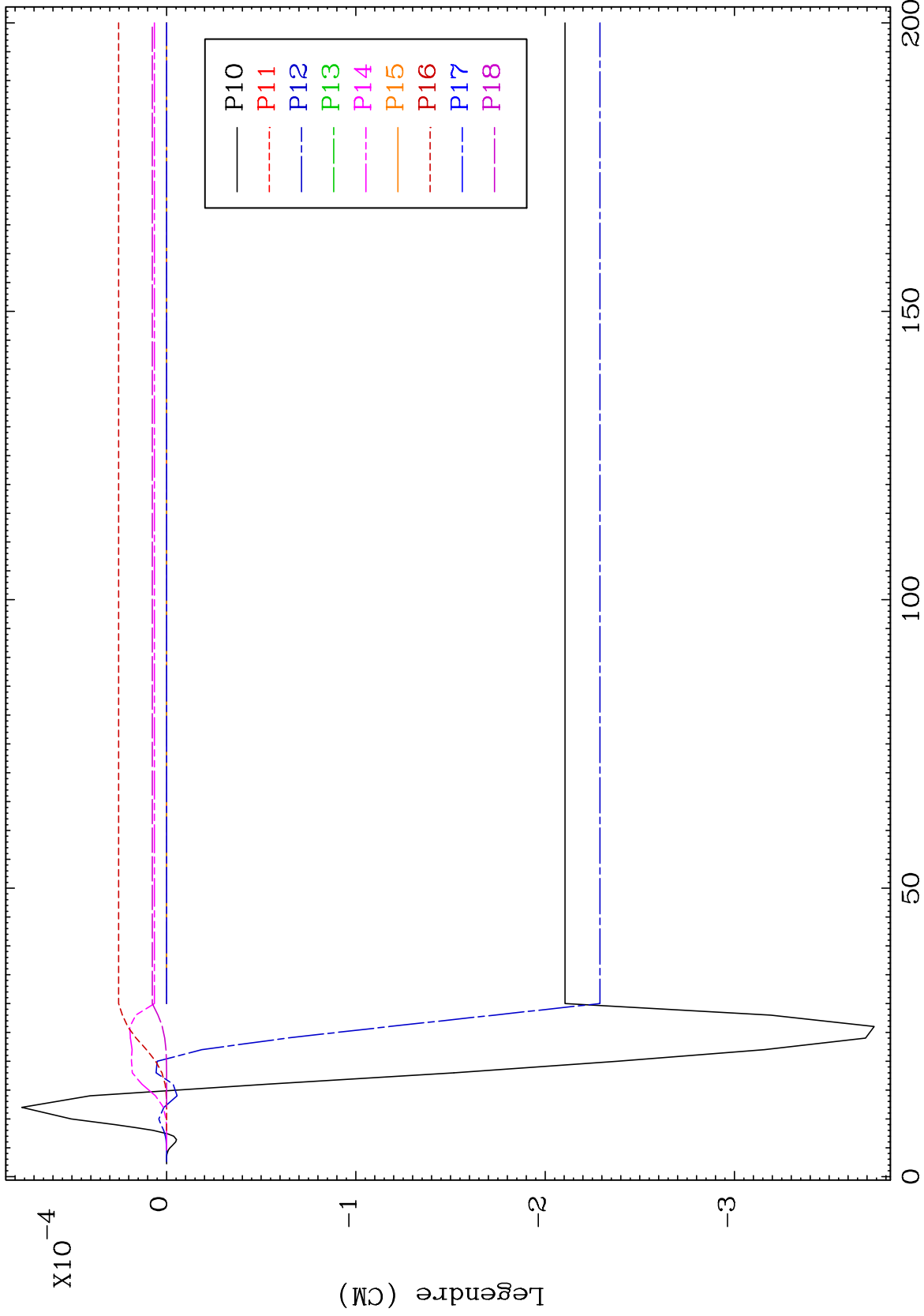
Incident Energy (MeV)

92

MAT 6152

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

61-Pm-148



93

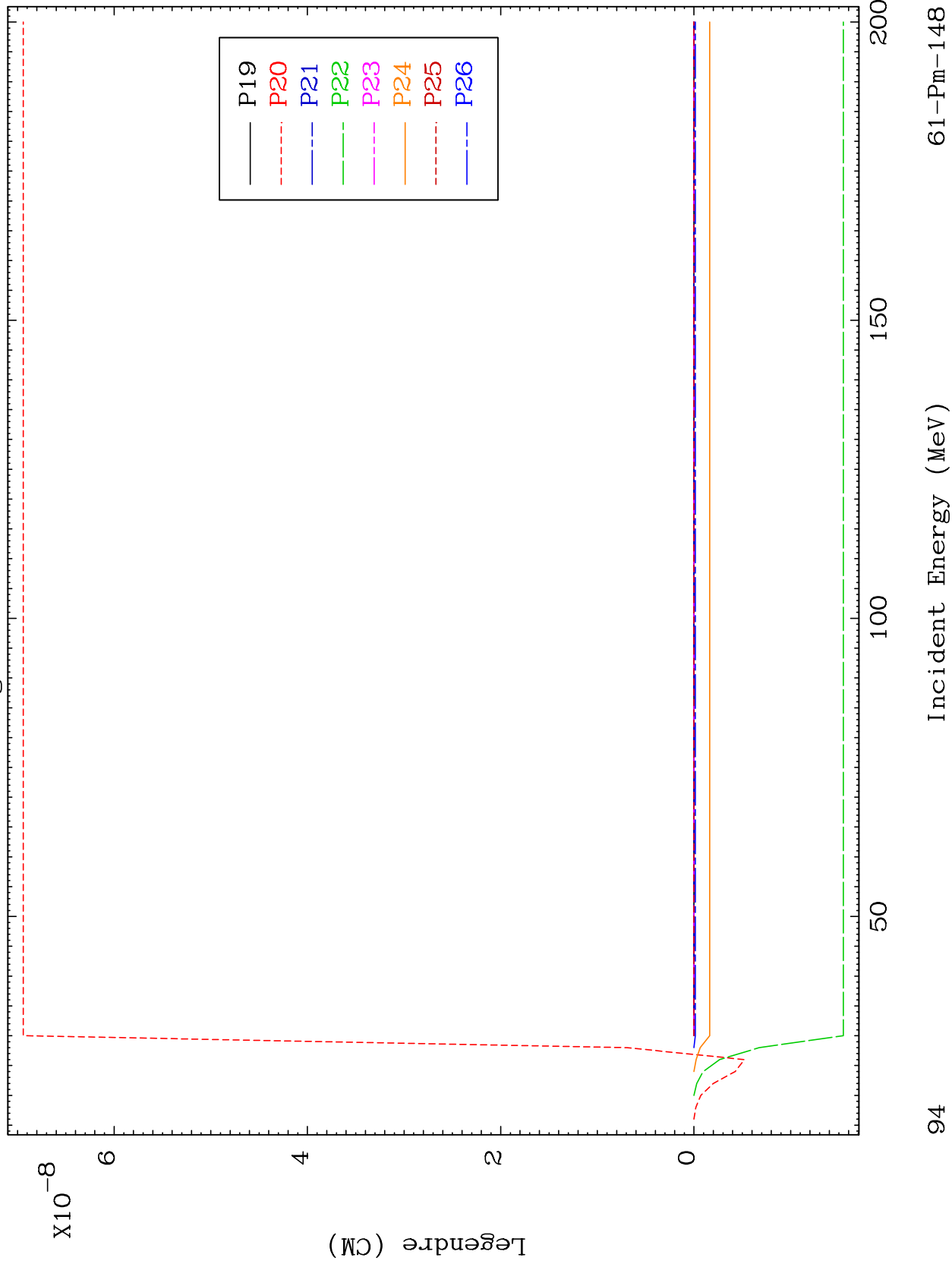
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148

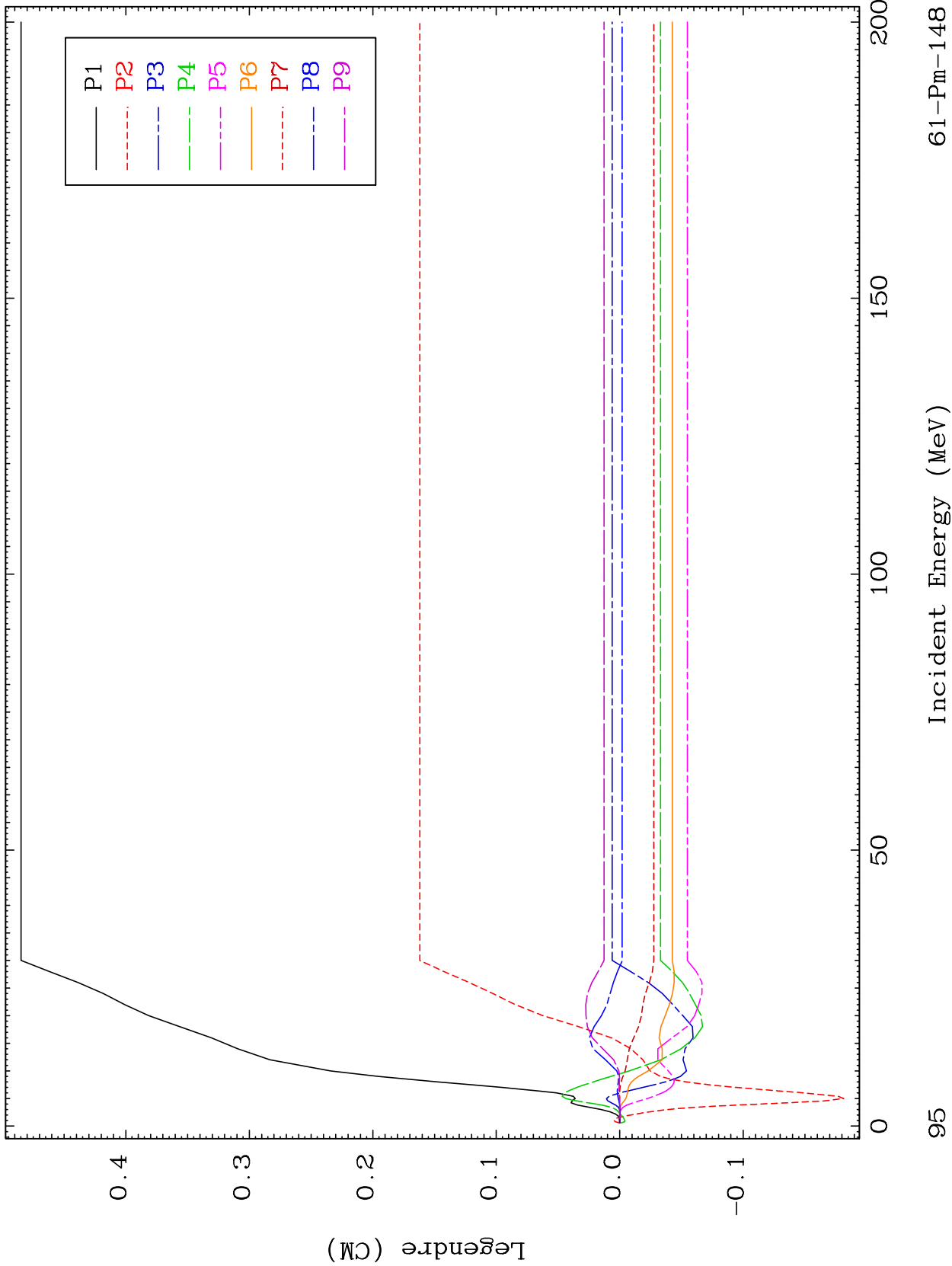


94

MAT 6152

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

61-Pm-148



61-Pm-148

Incident Energy (MeV)

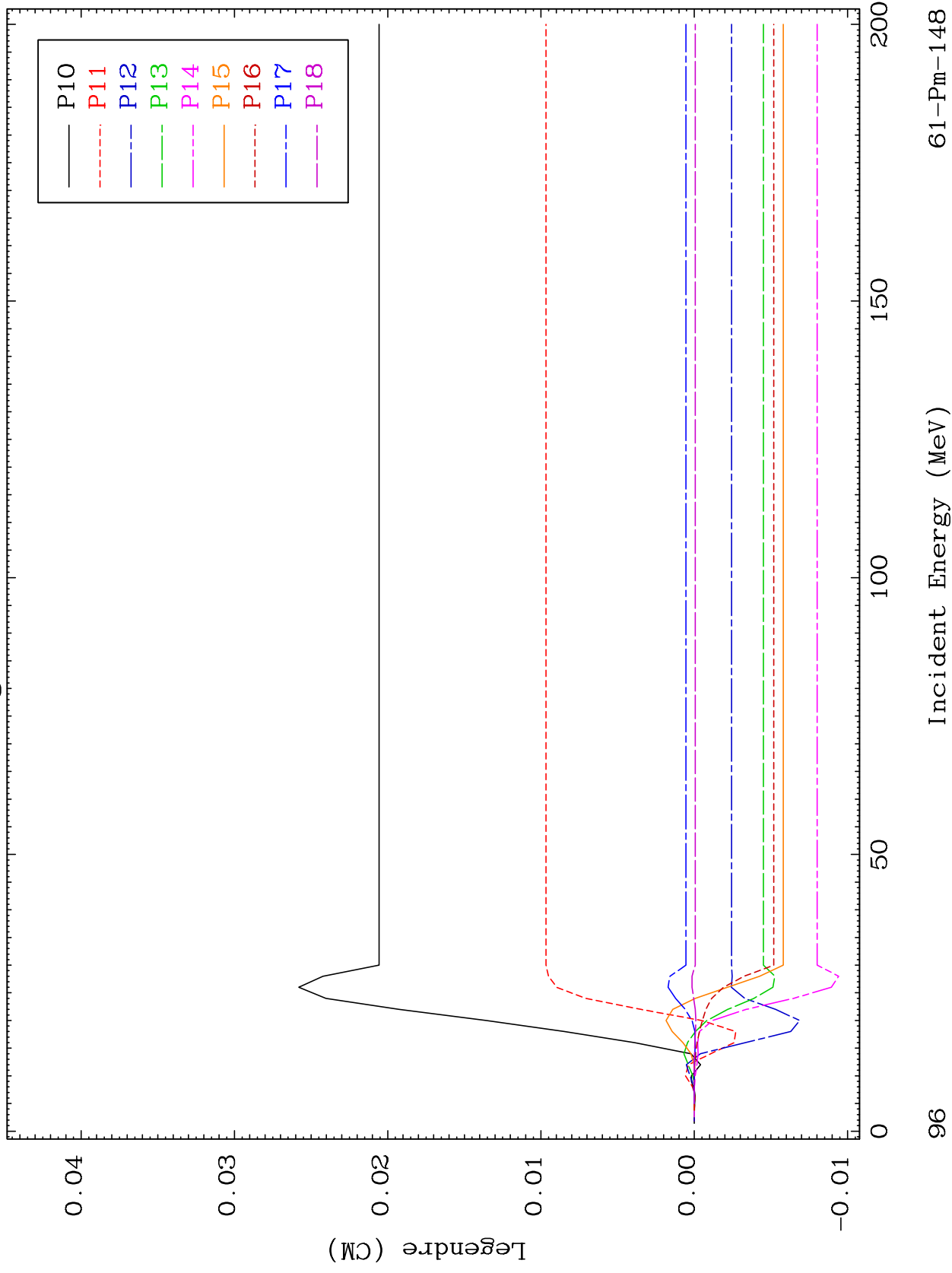
95



MAT 6152

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

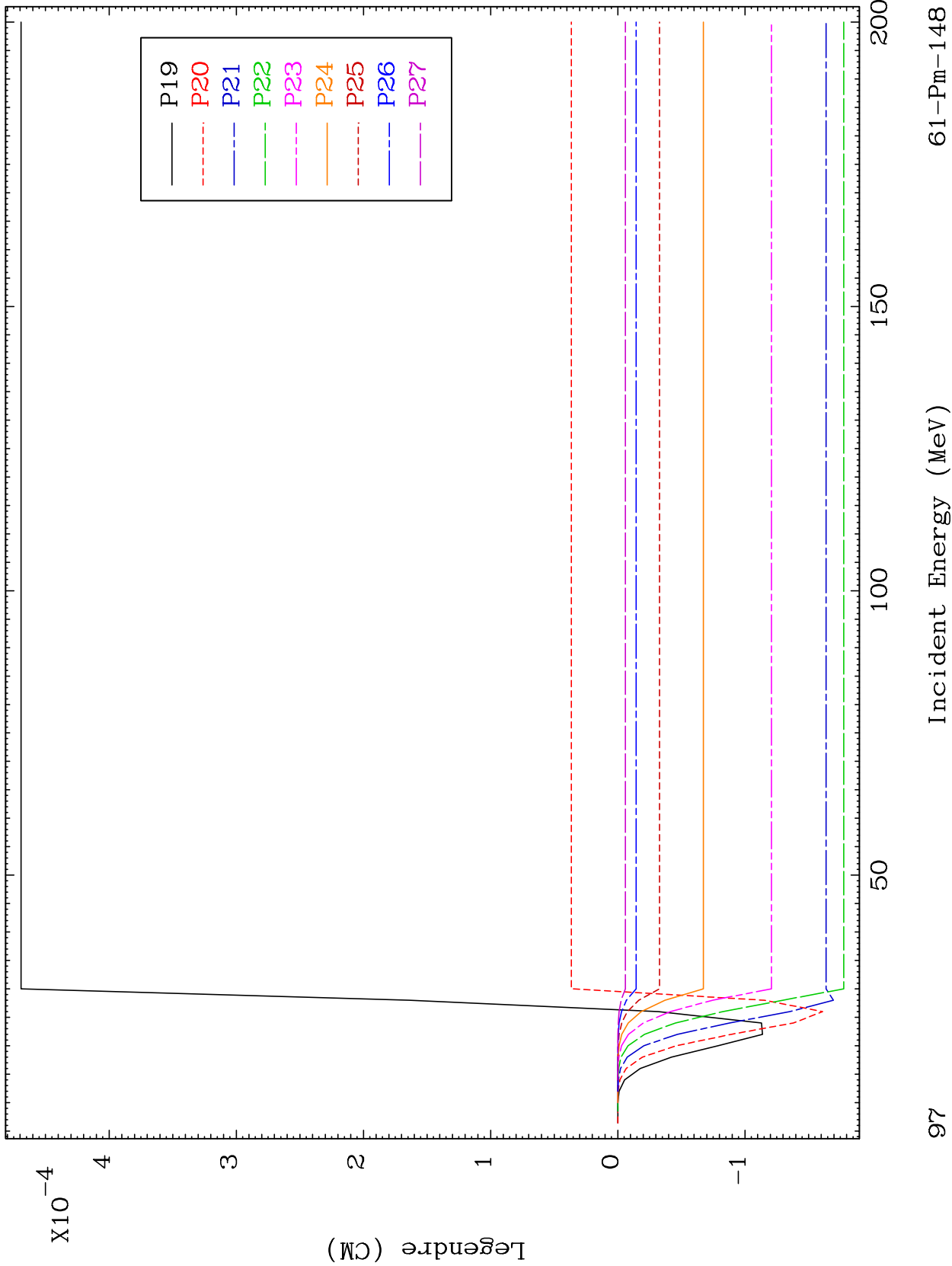
61-Pm-148

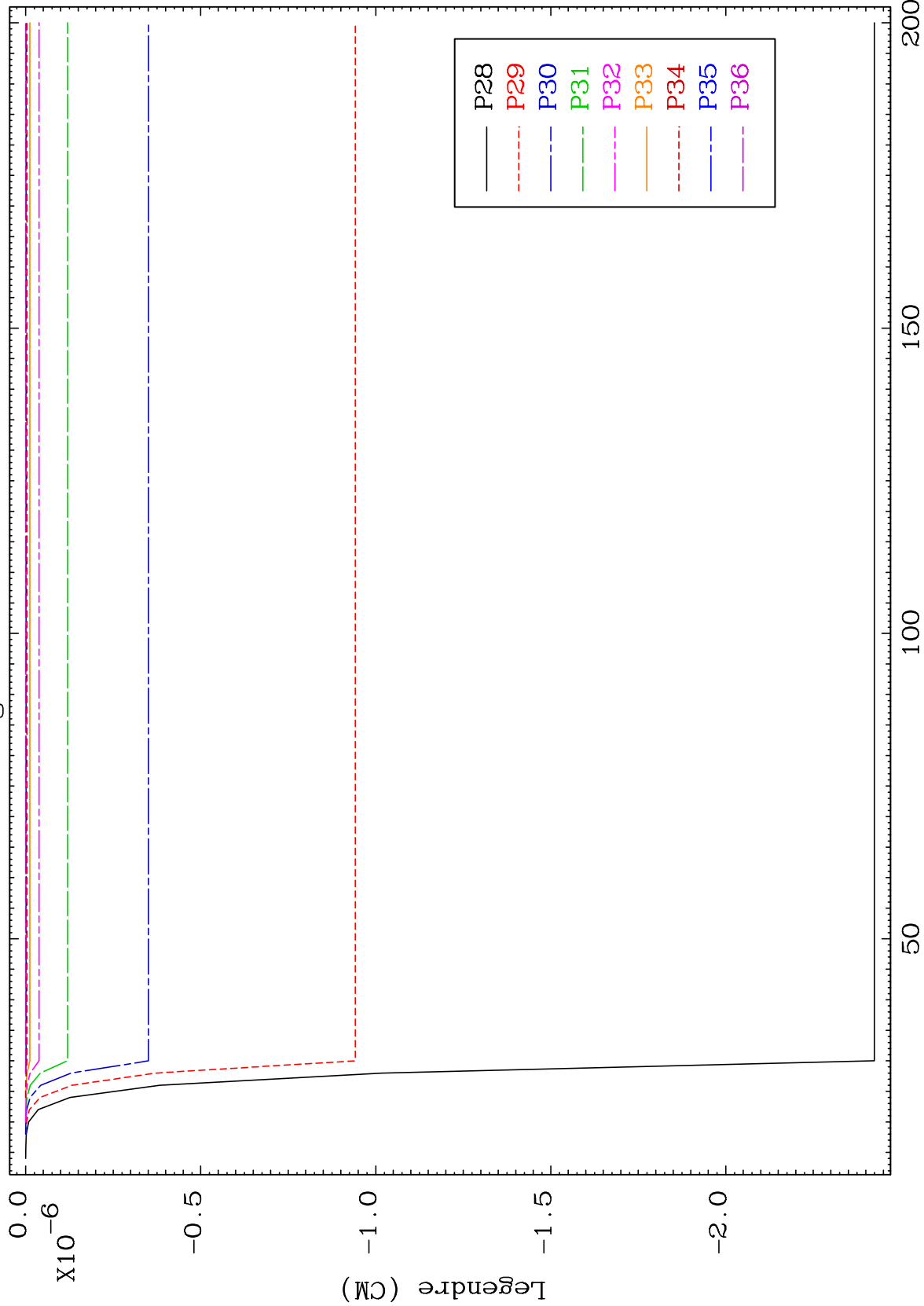


96

Incident Energy (MeV)

61-Pm-148

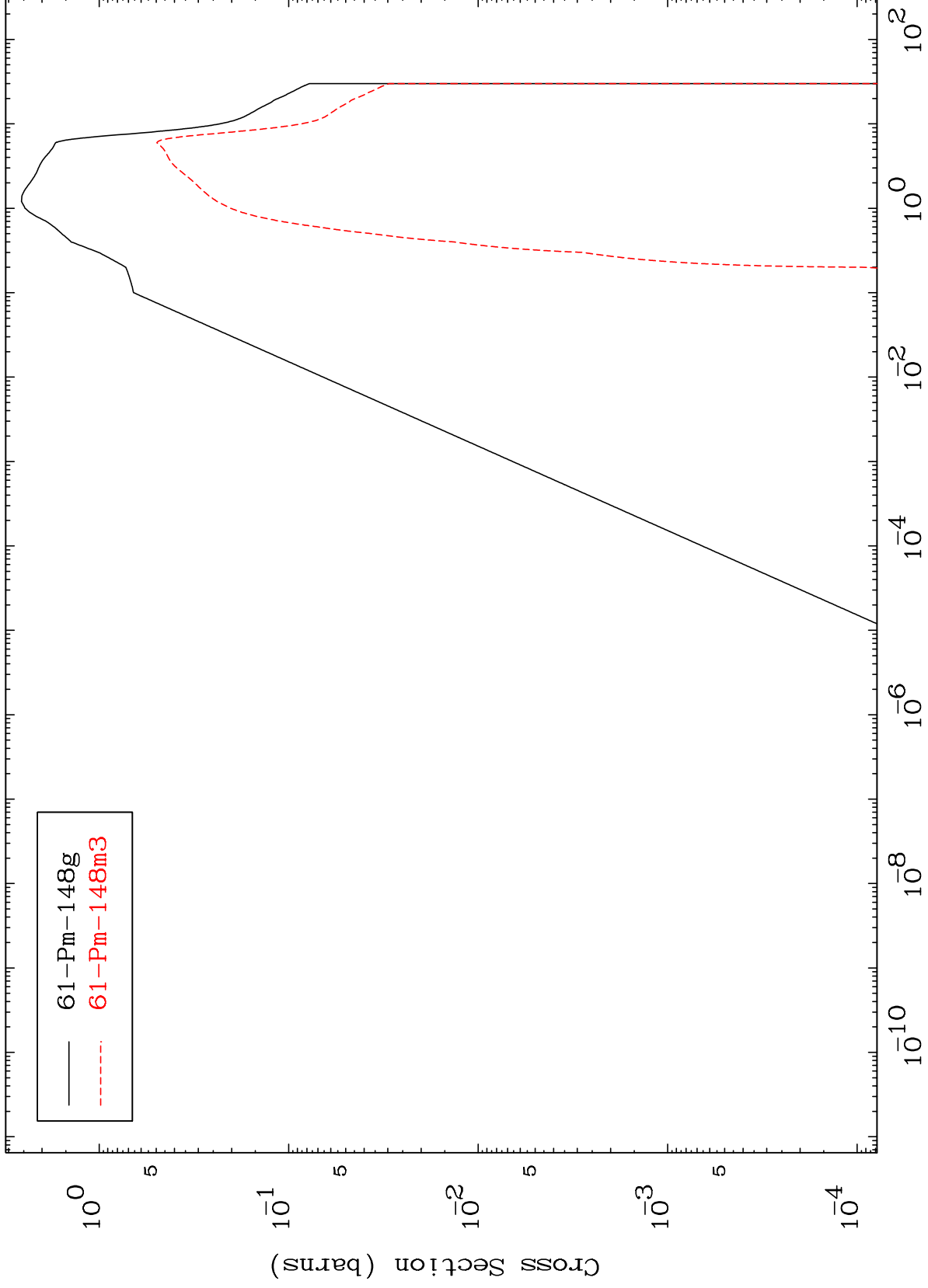




MAT 6152

Inelastic  
Radionuclide Production Cross Section

61-Pm-148



61-Pm-148g  
61-Pm-148m3

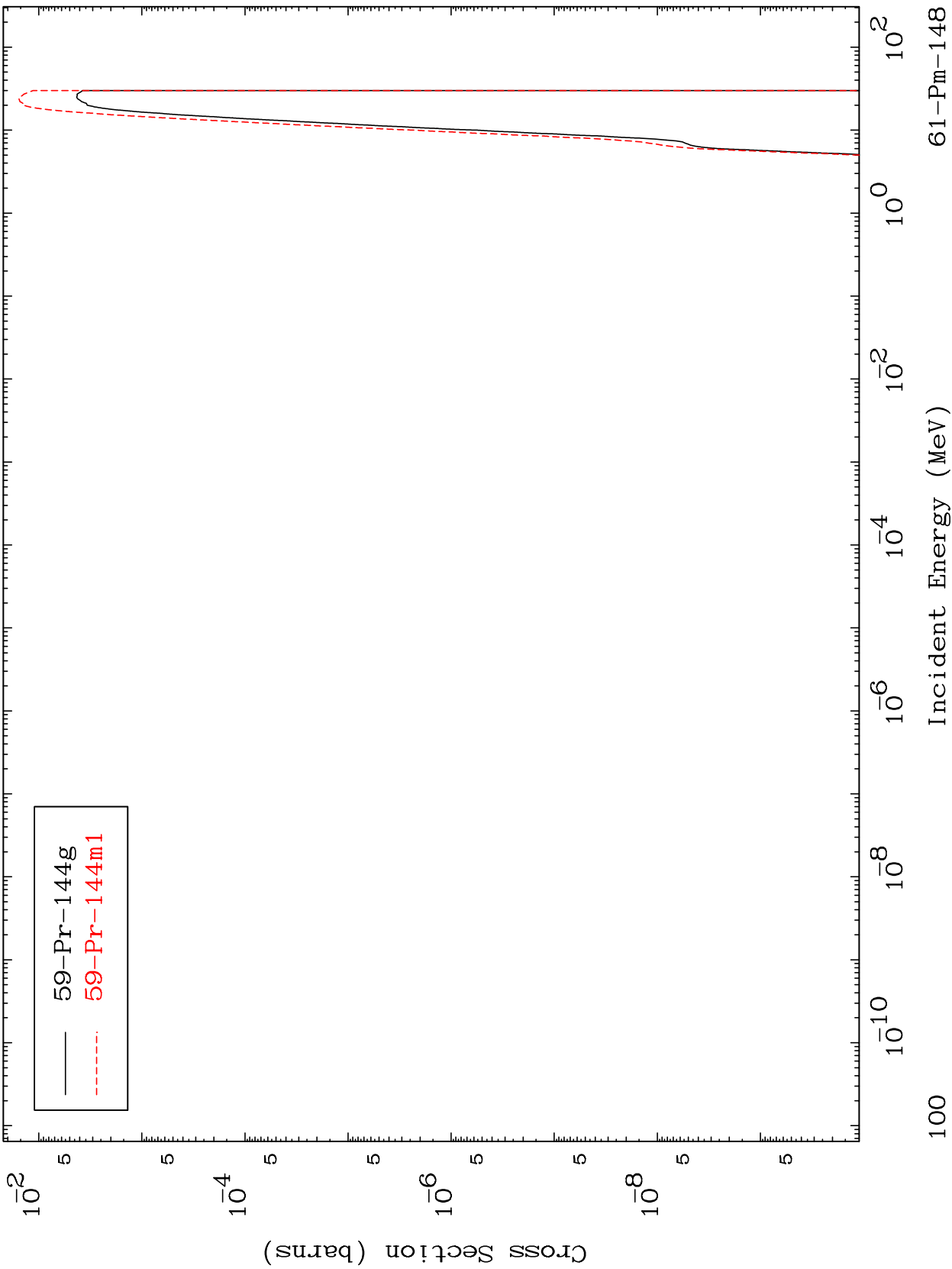
61-Pm-148

MAT 6152

$(n, n') \alpha$

61-Pm-148

Radionuclide Production Cross Section



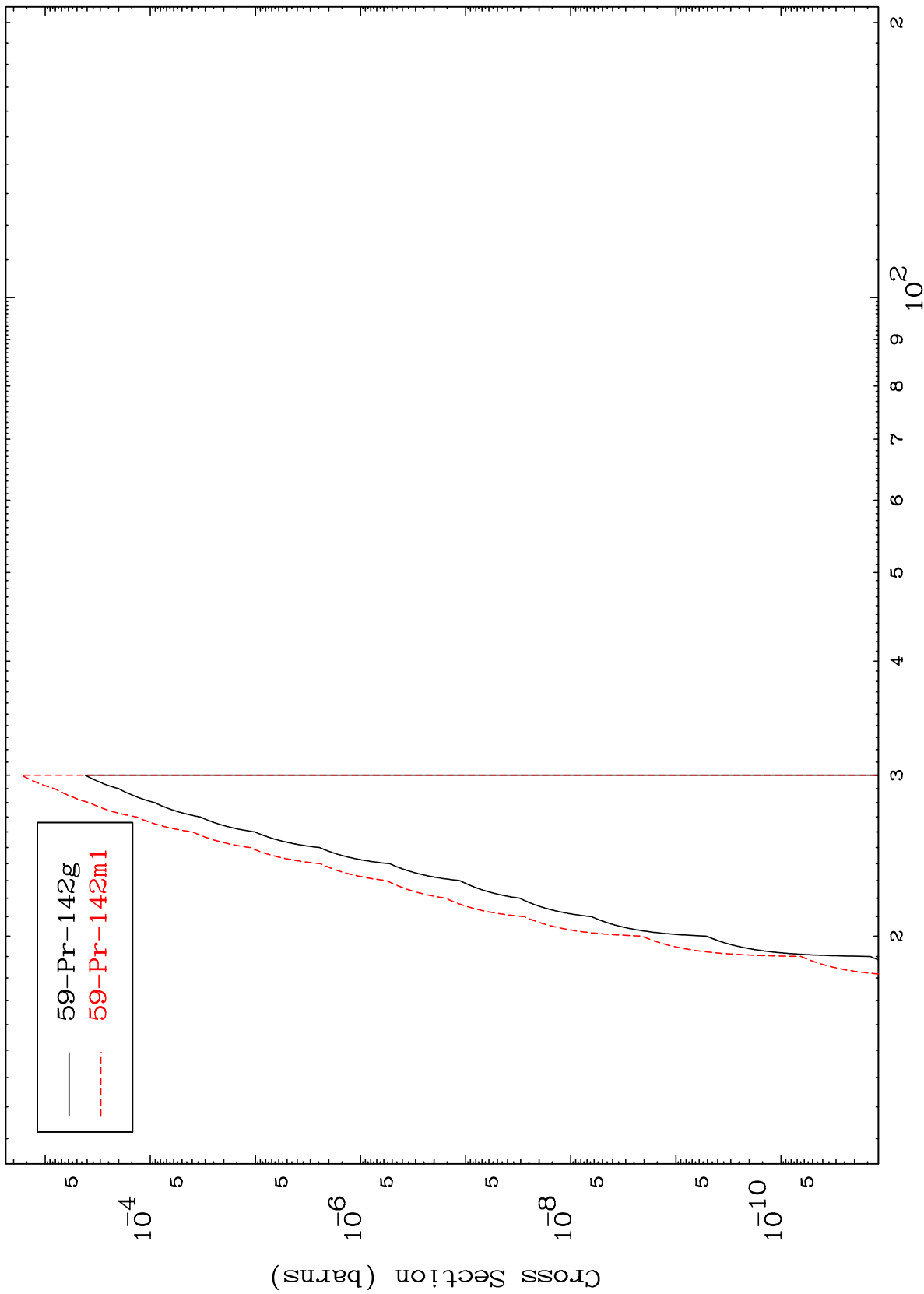
59-Pr-144g  
59-Pr-144m1

MAT 6152

(n,3n)  $\alpha$

61-Pm-148

Radionuclide Production Cross Section



101

Incident Energy (MeV)

61-Pm-148