

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

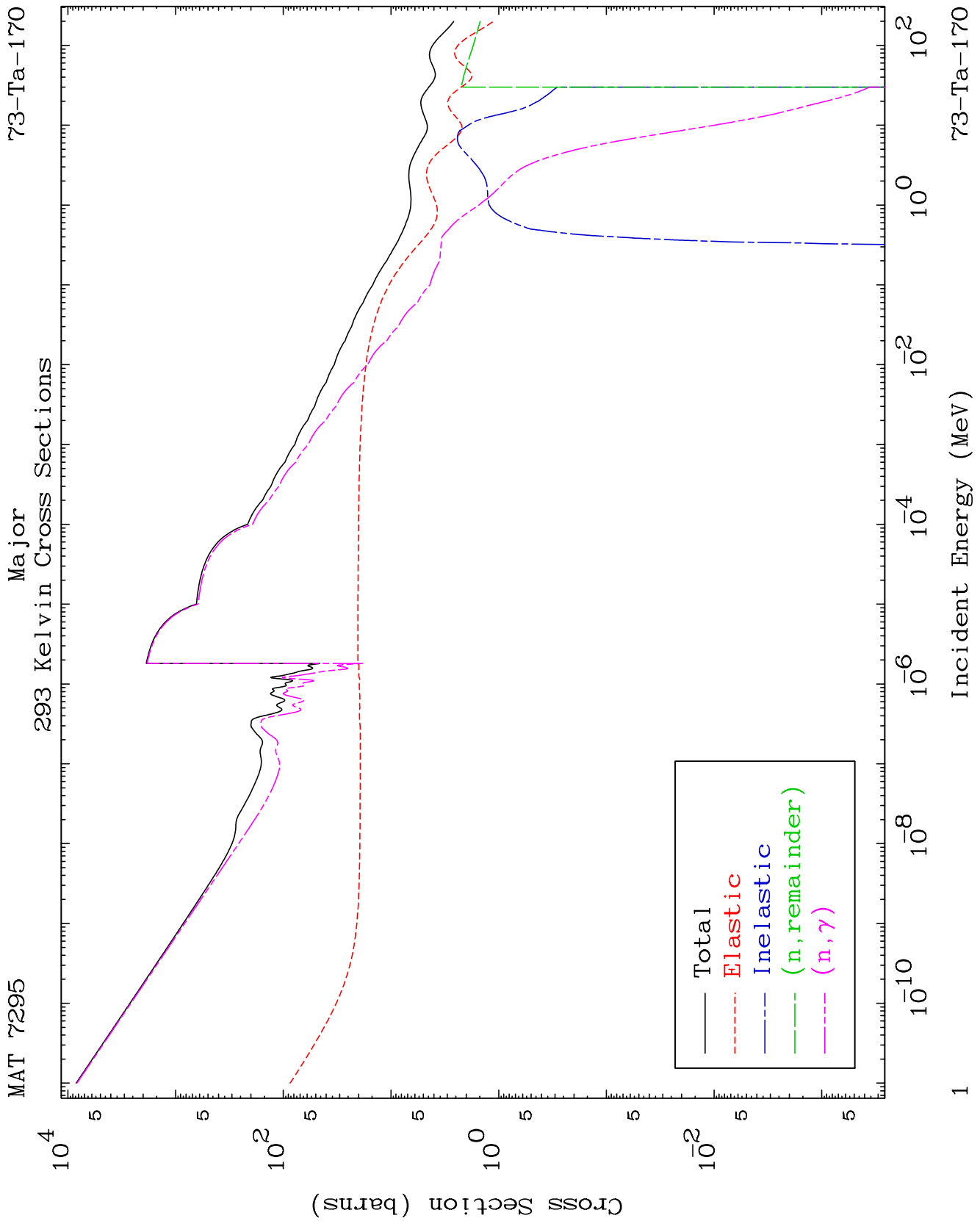
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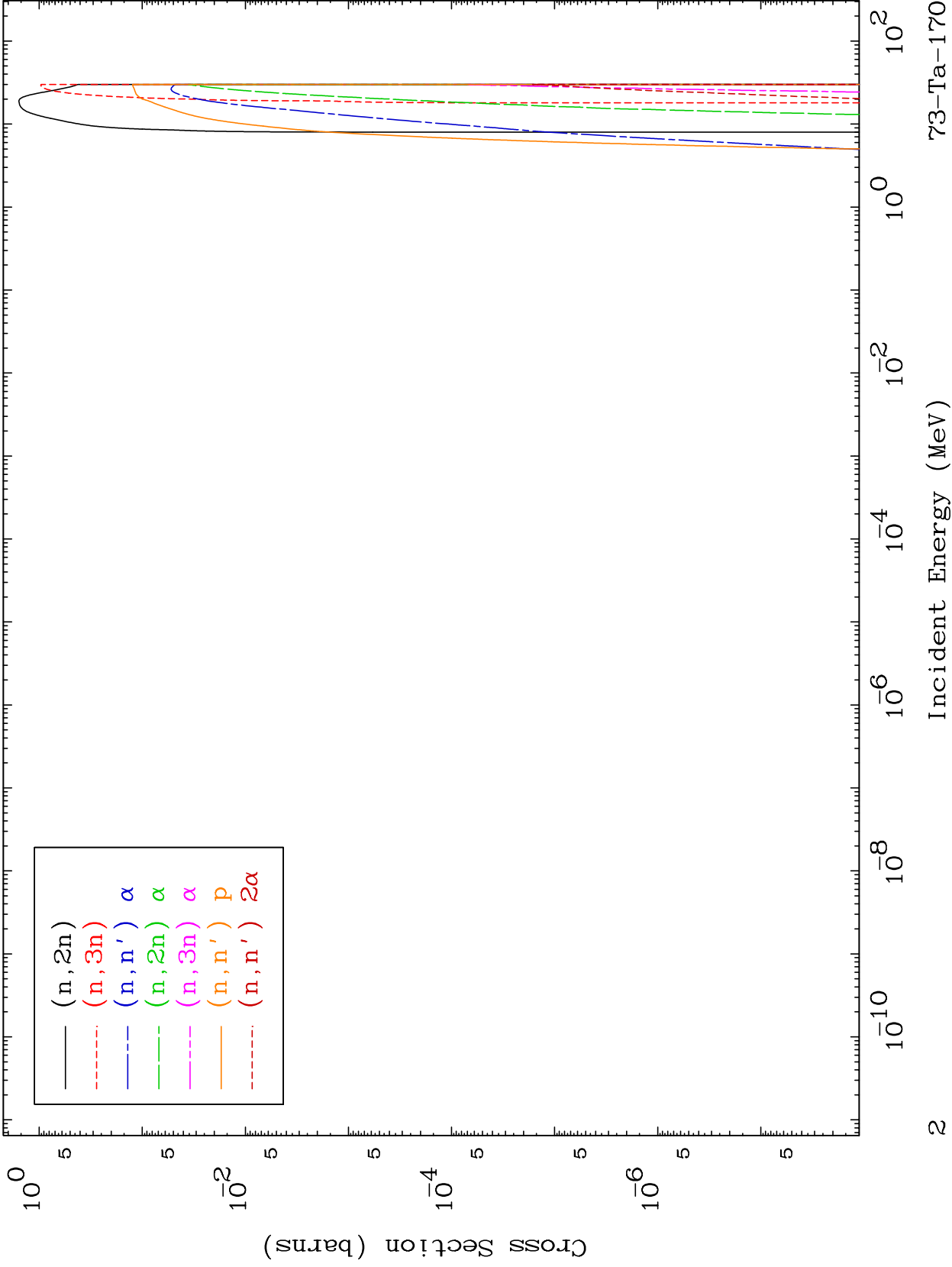
Press Mouse Button to Start



MAT 7295

Neutron Production  
293 Kelvin Cross Sections

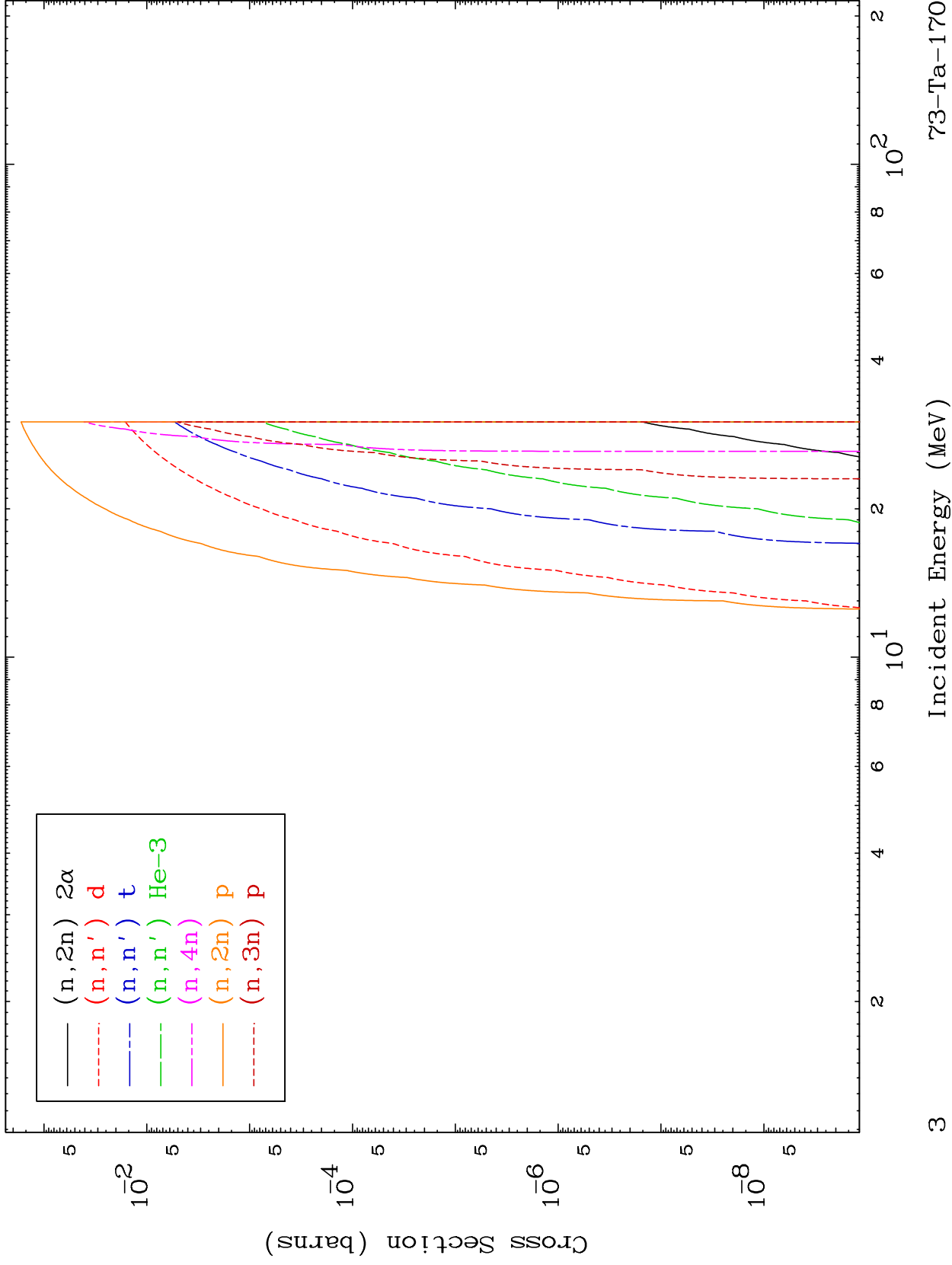
73-Ta-170



MAT 7295

Neutron Production  
293 Kelvin Cross Sections

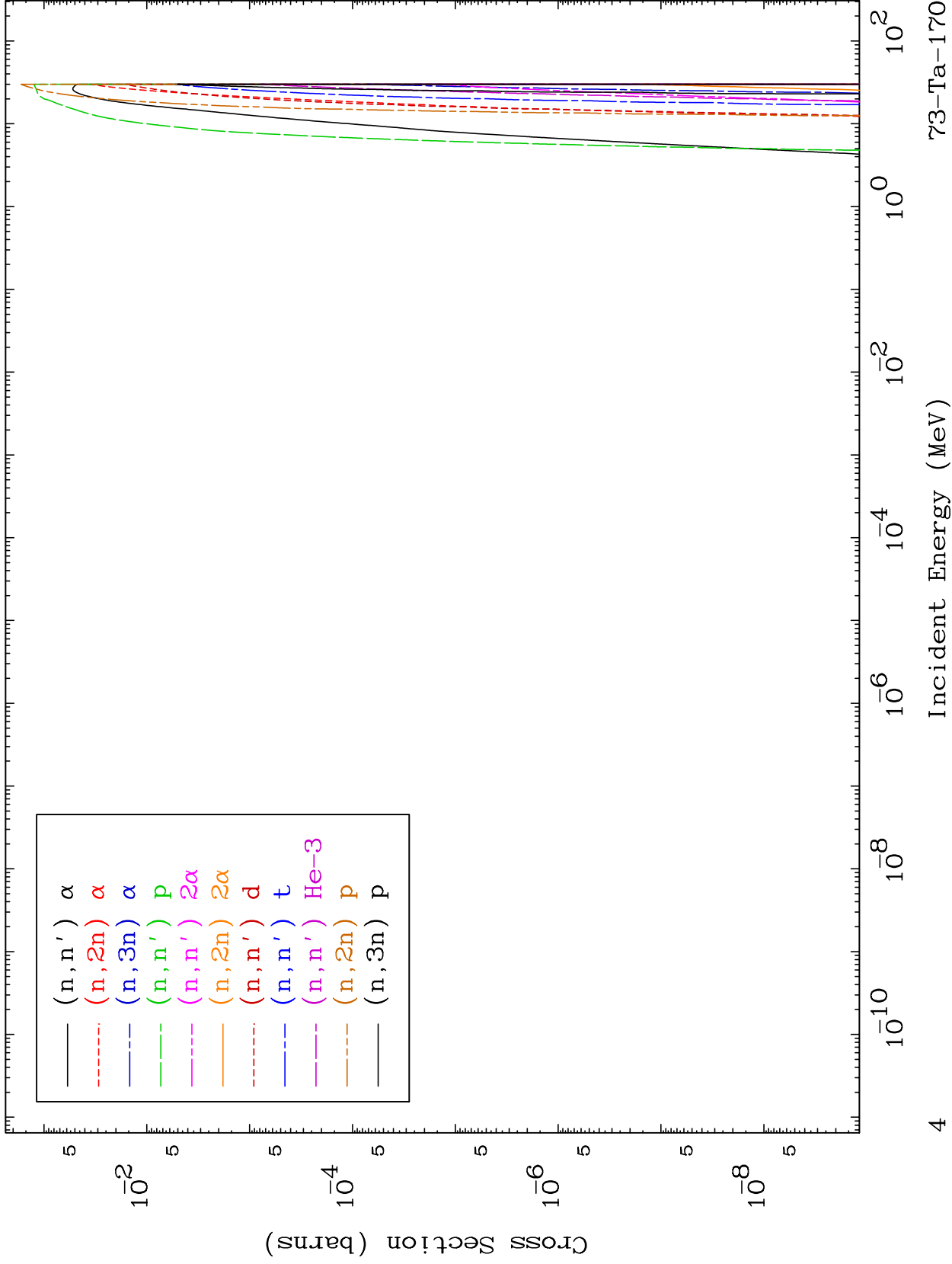
73-Ta-170



MAT 7295

Charged Particle  
293 Kelvin Cross Sections

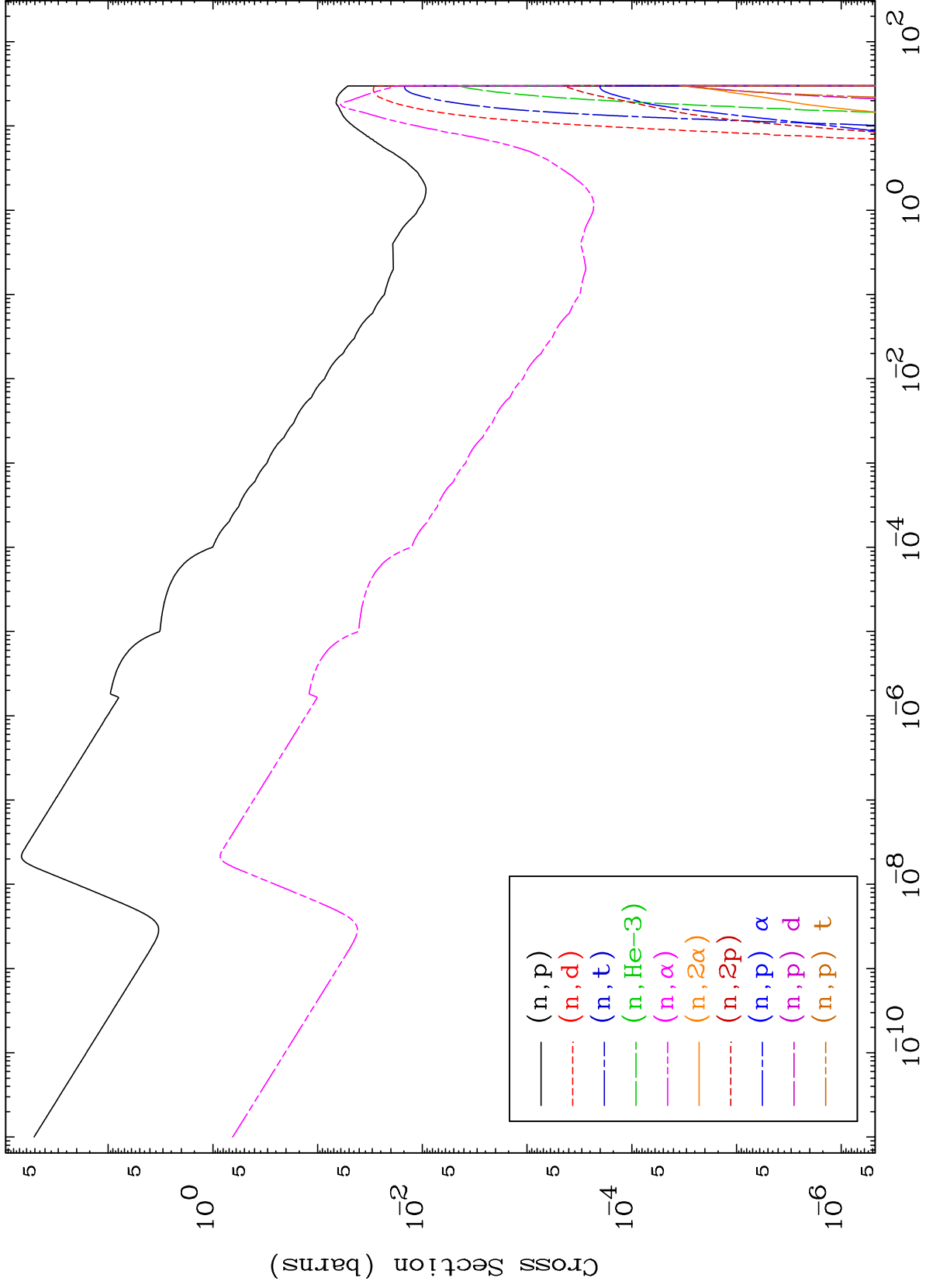
73-Ta-170



MAT 7295

Charged Particle  
293 Kelvin Cross Sections

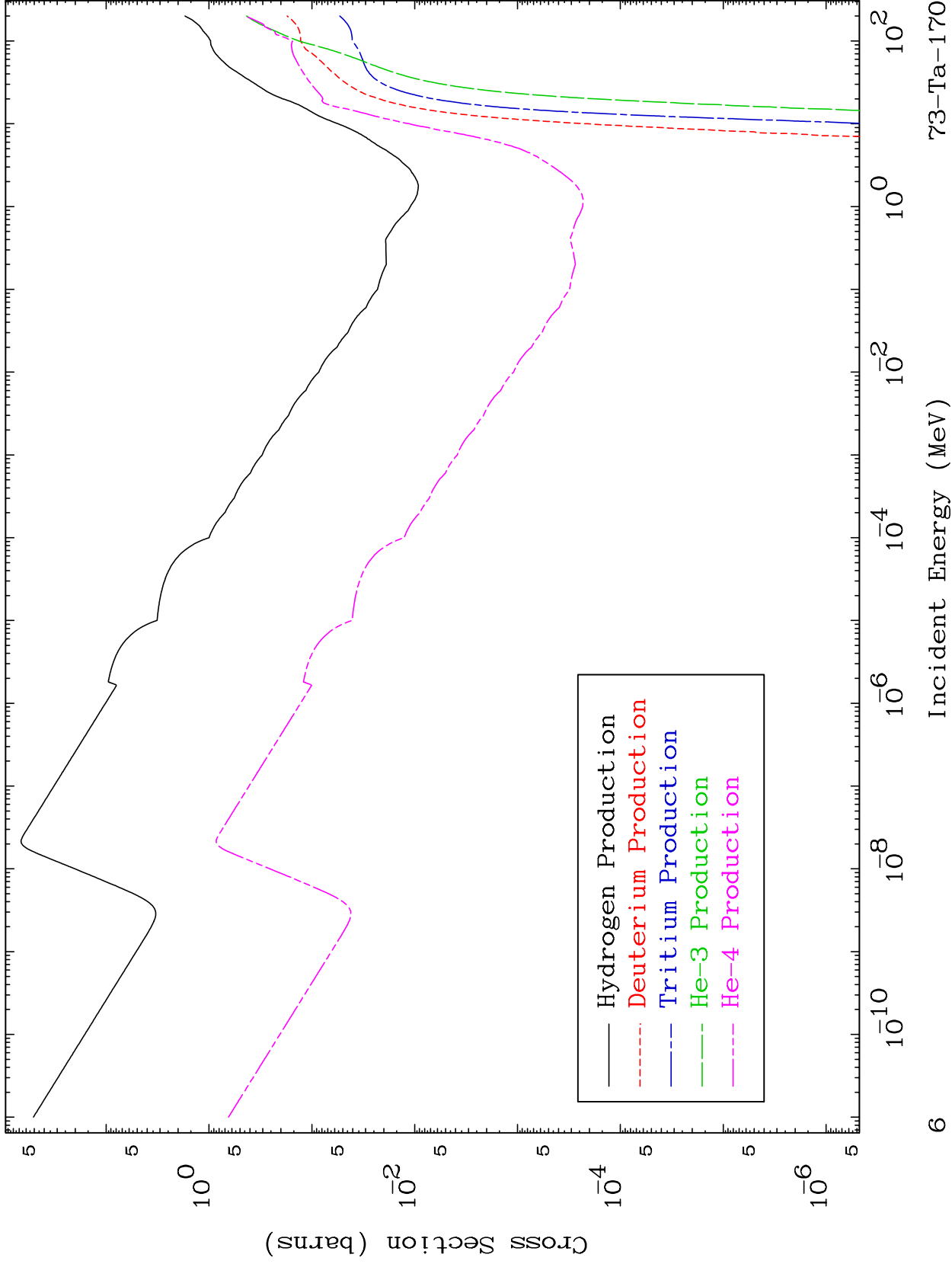
73-Ta-170



MAT 7295

Particle Production  
293 Kelvin Cross Sections

73-Ta-170

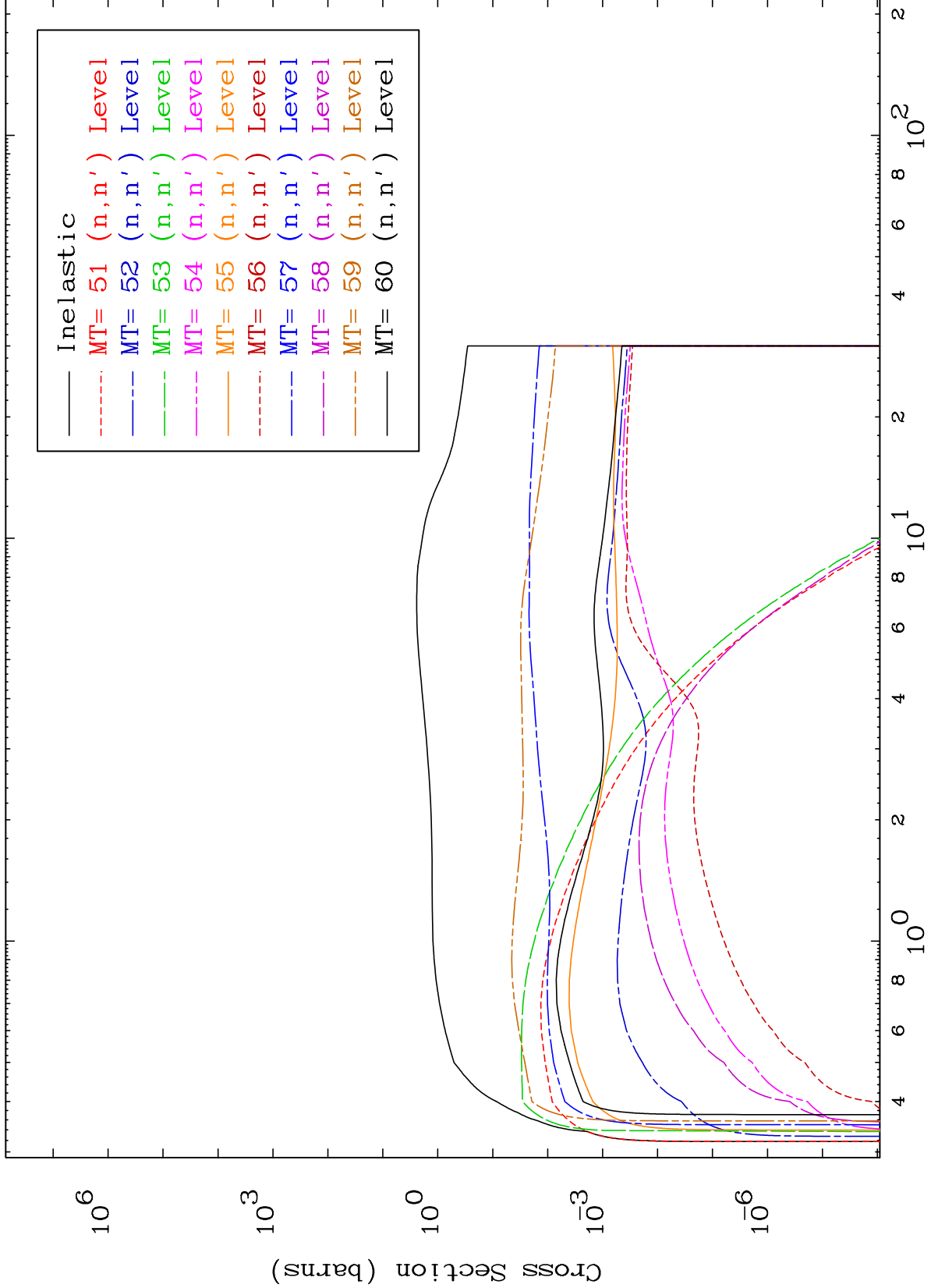


MAT 7295

(n,n') Level

73-Ta-170

293 Kelvin Cross Sections



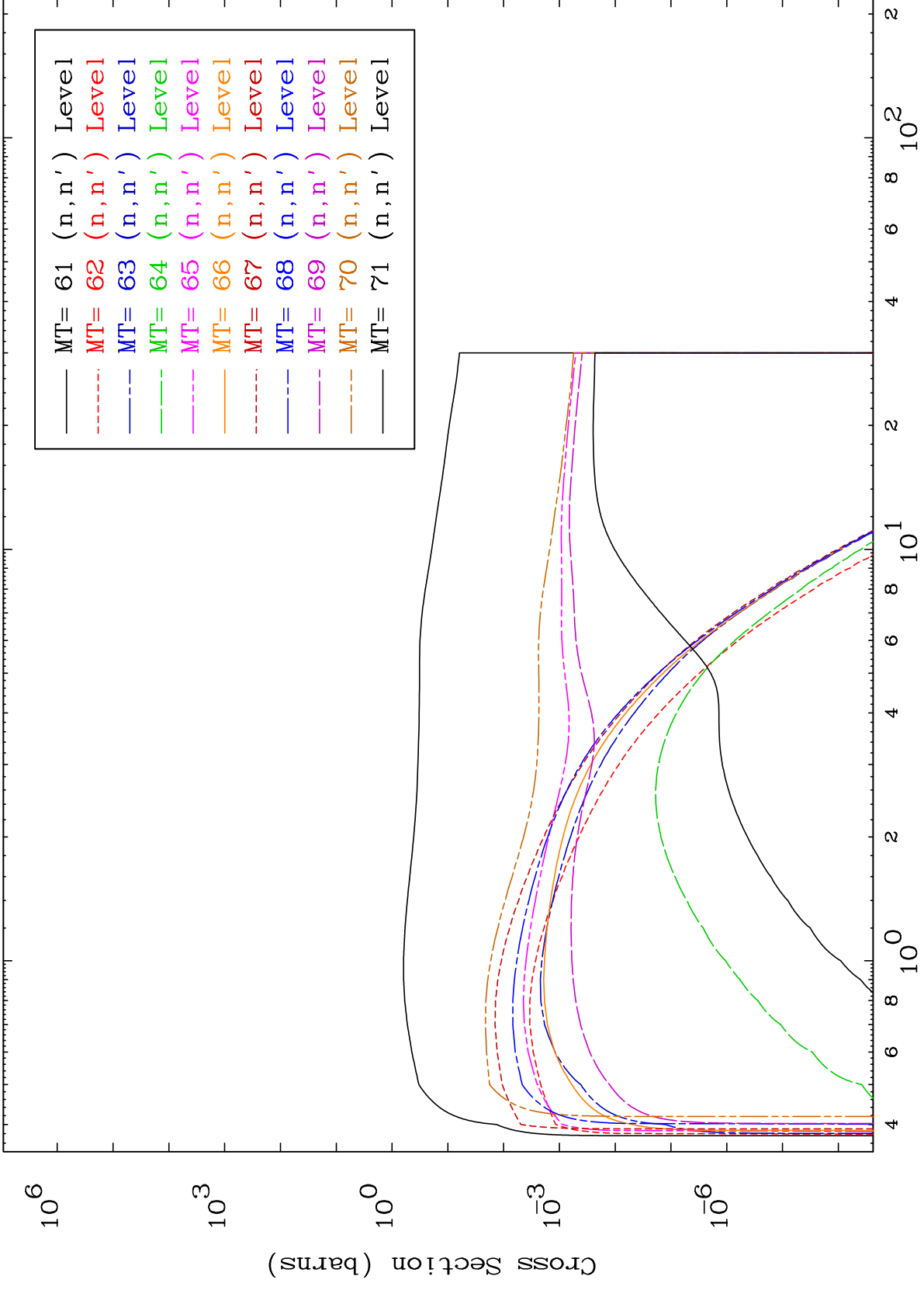


MAT 7295

(n,n') Level

73-Ta-170

293 Kelvin Cross Sections



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Incident Energy (MeV)

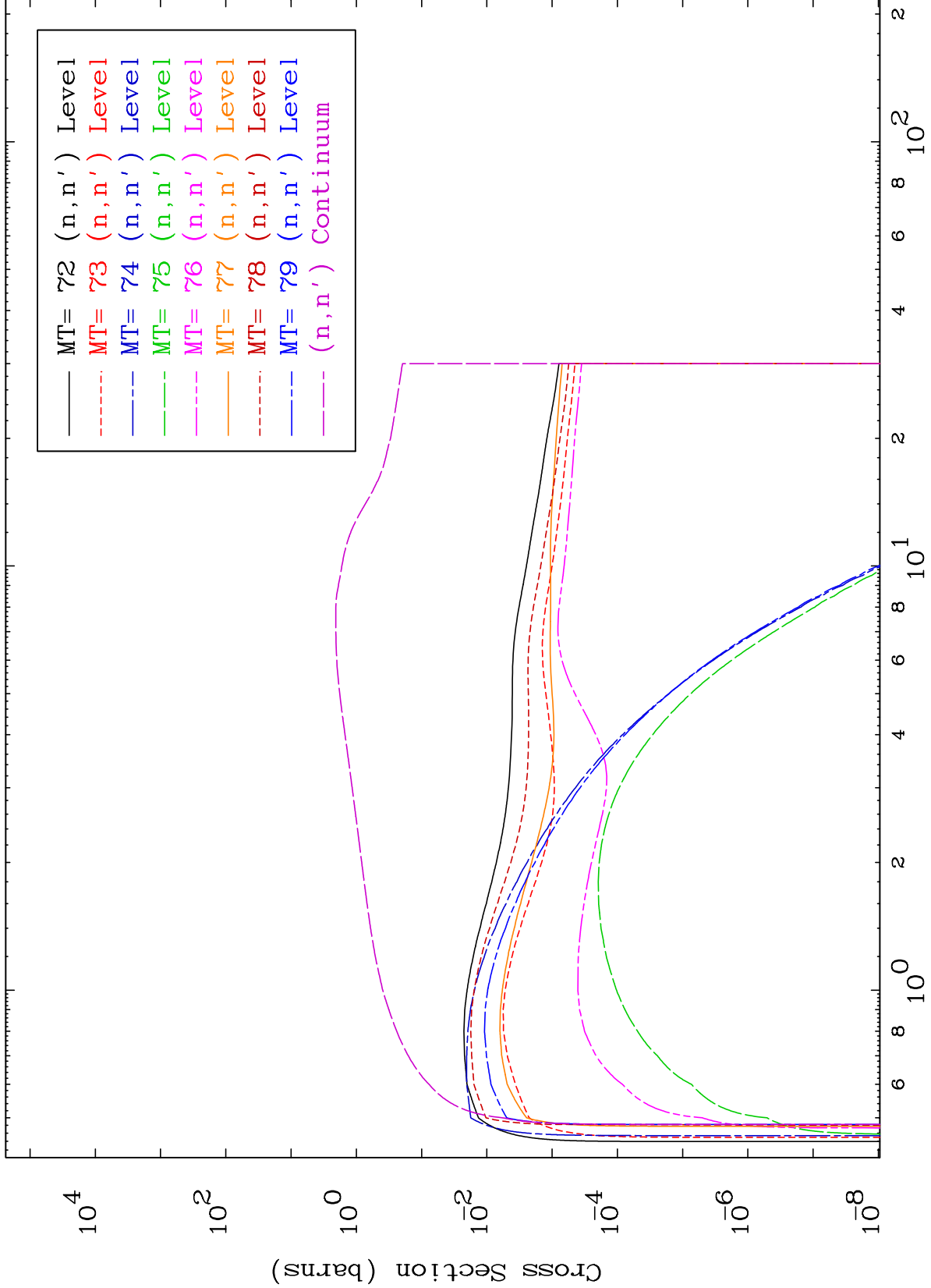
73-Ta-170

MAT 7295

(n,n') Level

73-Ta-170

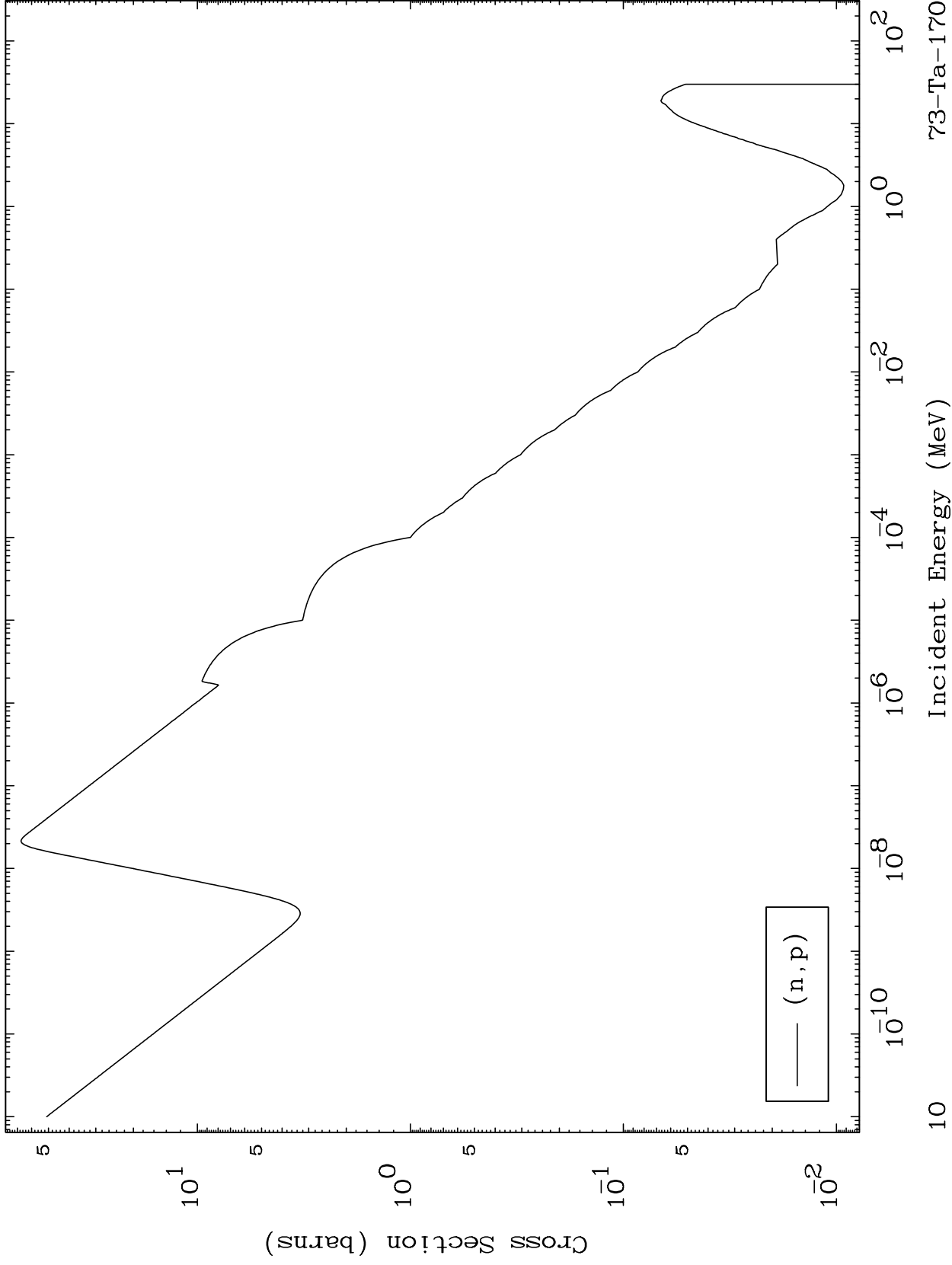
293 Kelvin Cross Sections



MAT 7295

(n,p) Levels  
293 Kelvin Cross Sections

73-Ta-170



— (n,p)

10

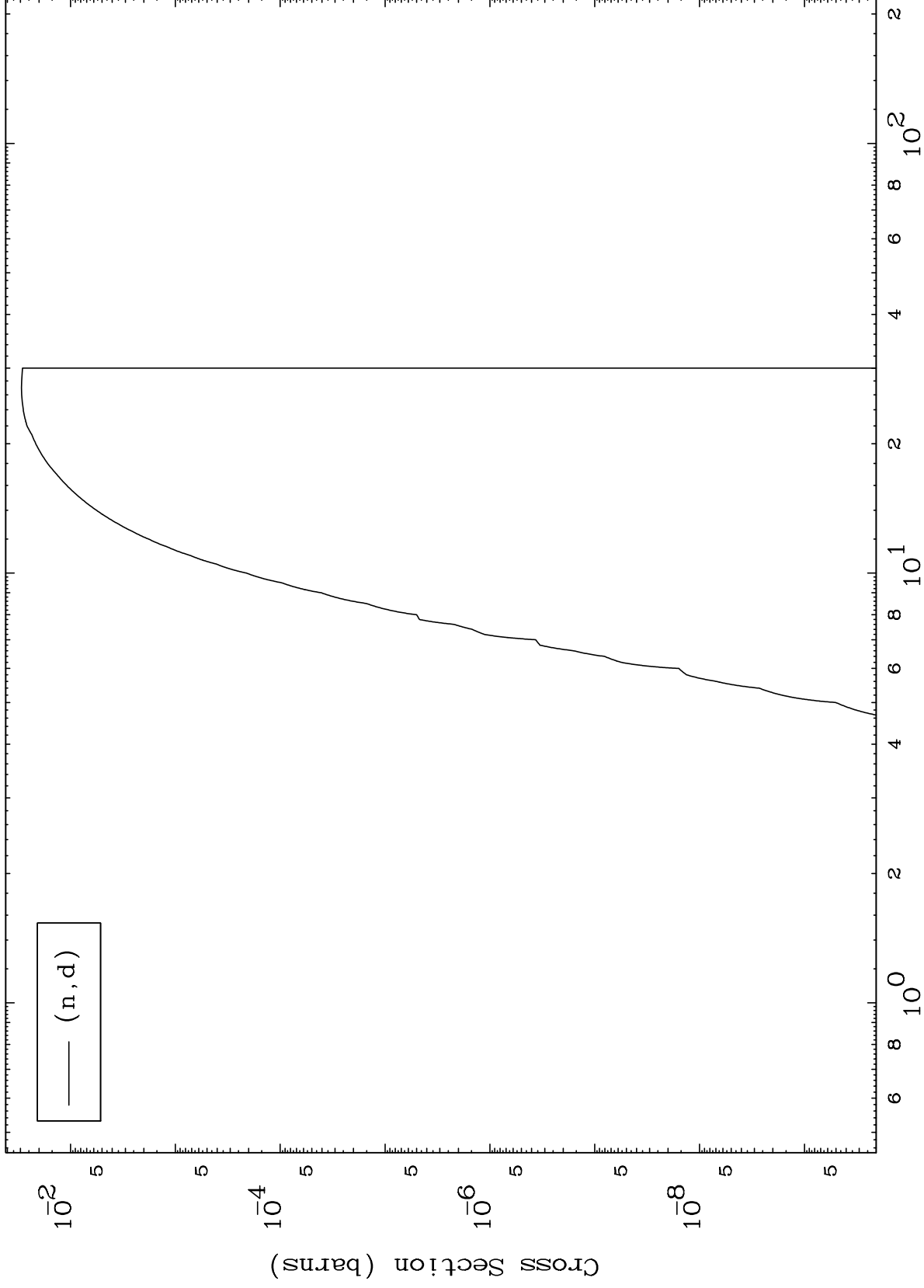
Incident Energy (MeV)

73-Ta-170

MAT 7295

(n,d) Levels  
293 Kelvin Cross Sections

73-Ta-170



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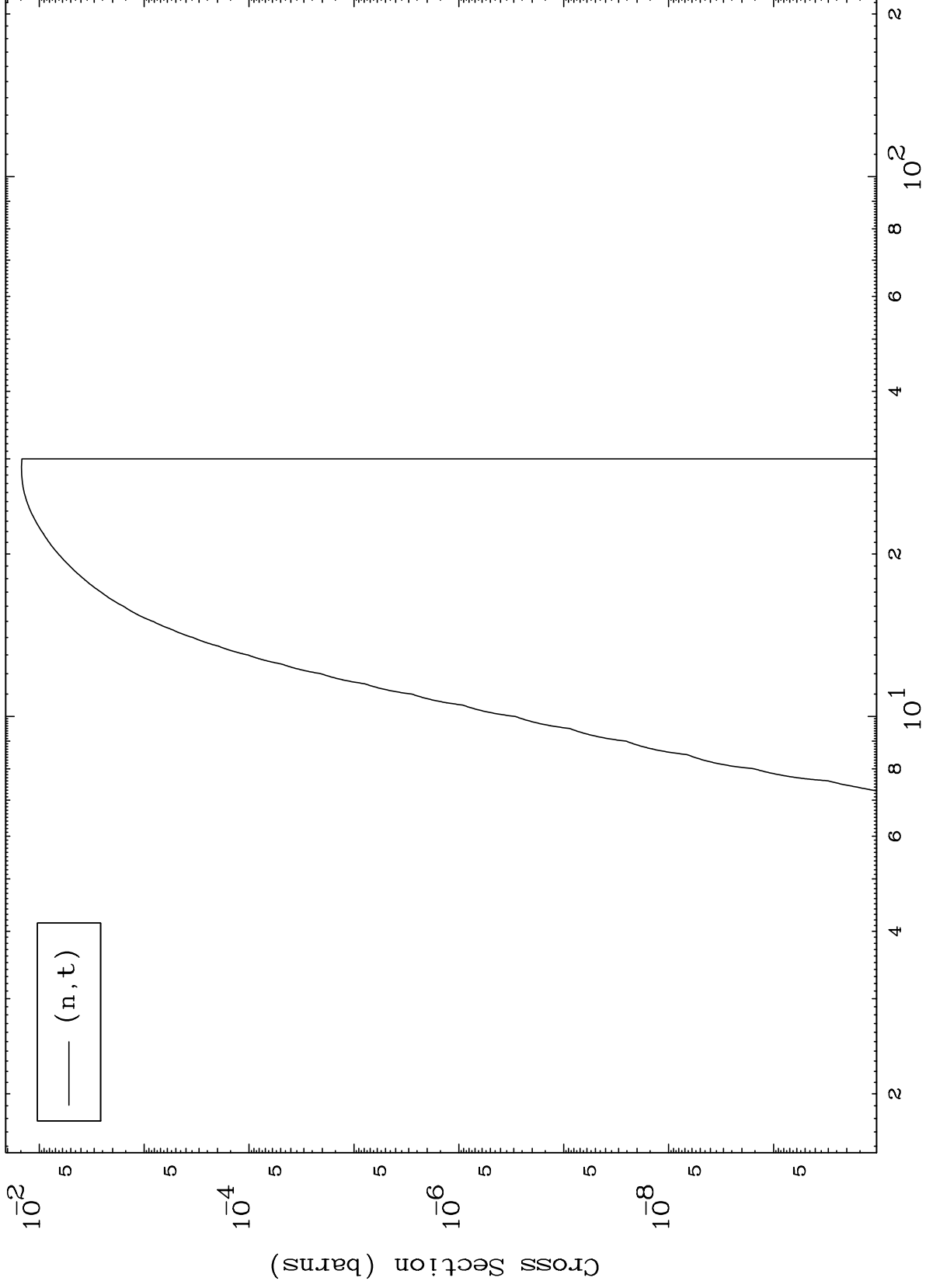
Incident Energy (MeV)

73-Ta-170

MAT 7295

(n,t) Levels  
293 Kelvin Cross Sections

<sup>73</sup>Ta-170



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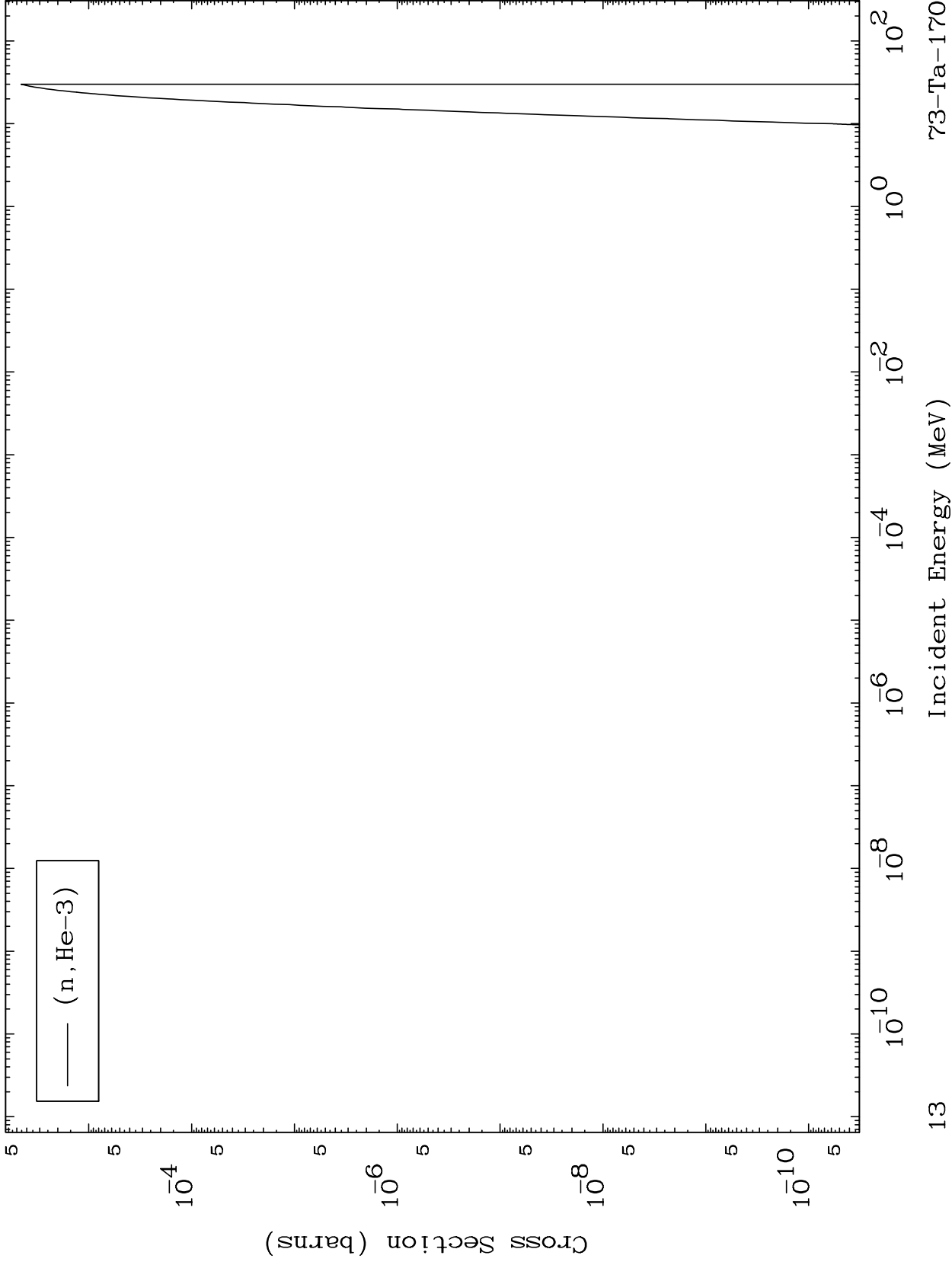
Incident Energy (MeV)

<sup>73</sup>Ta-170

MAT 7295

(n,He3) Levels  
293 Kelvin Cross Sections

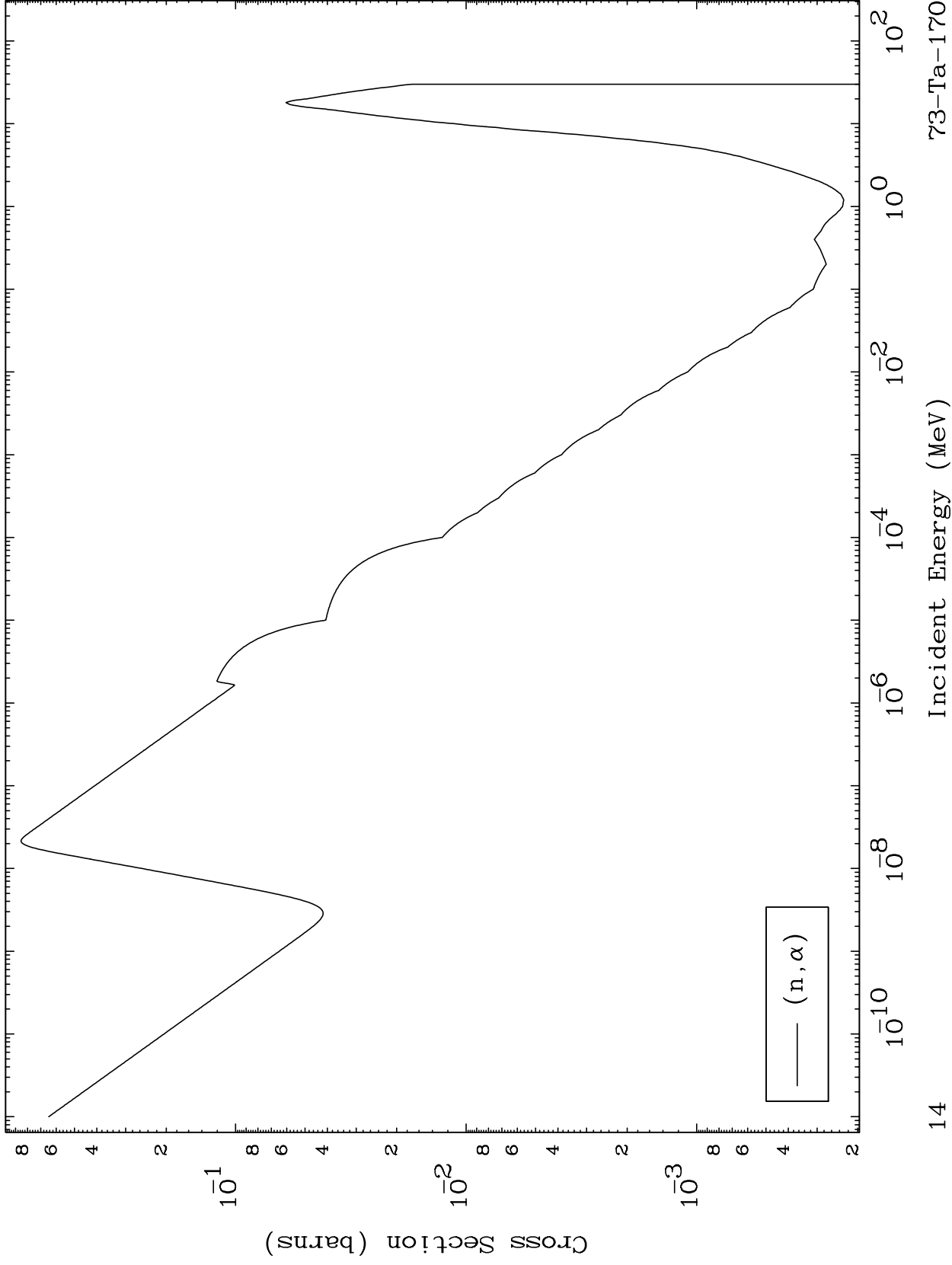
73-Ta-170

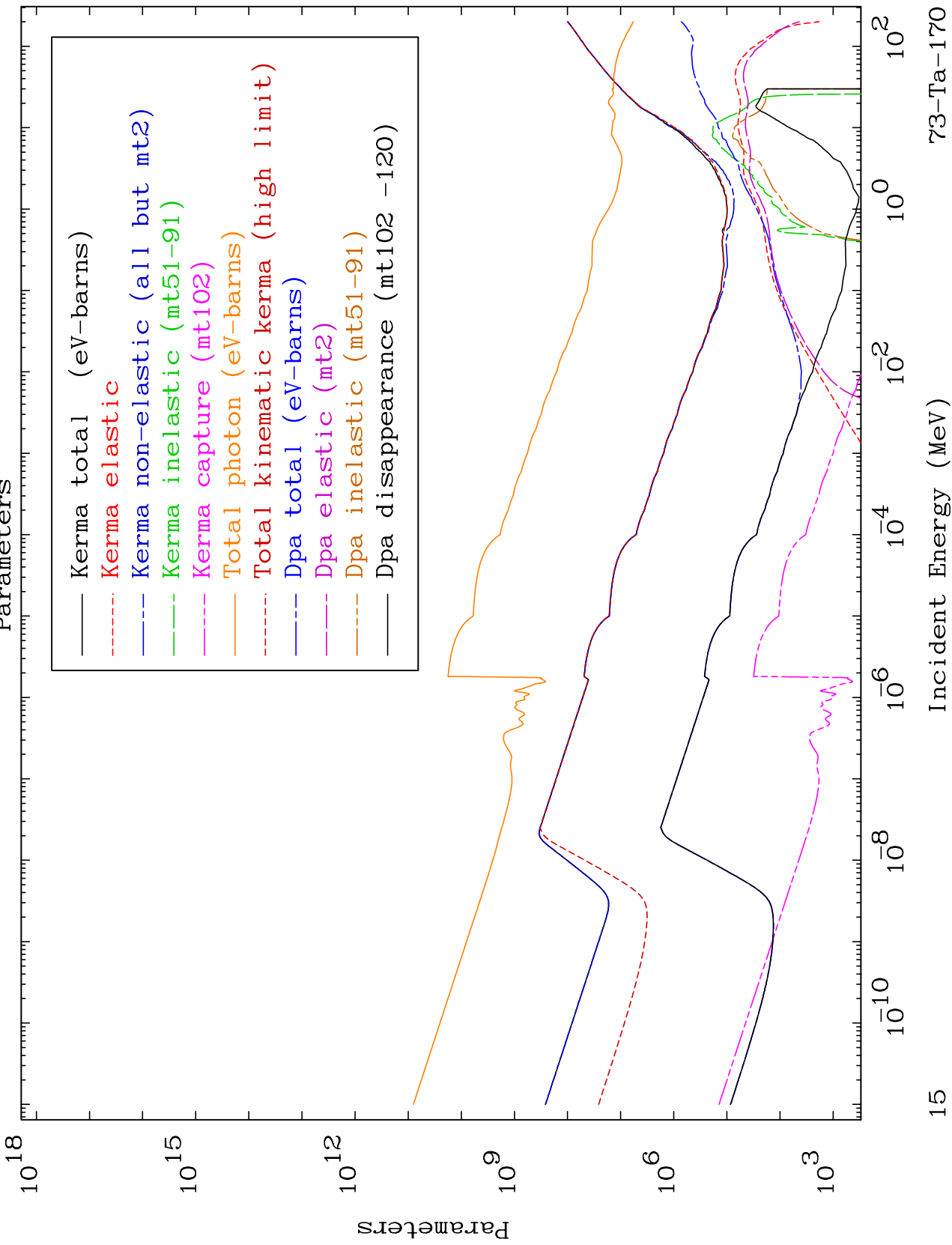


MAT 7295

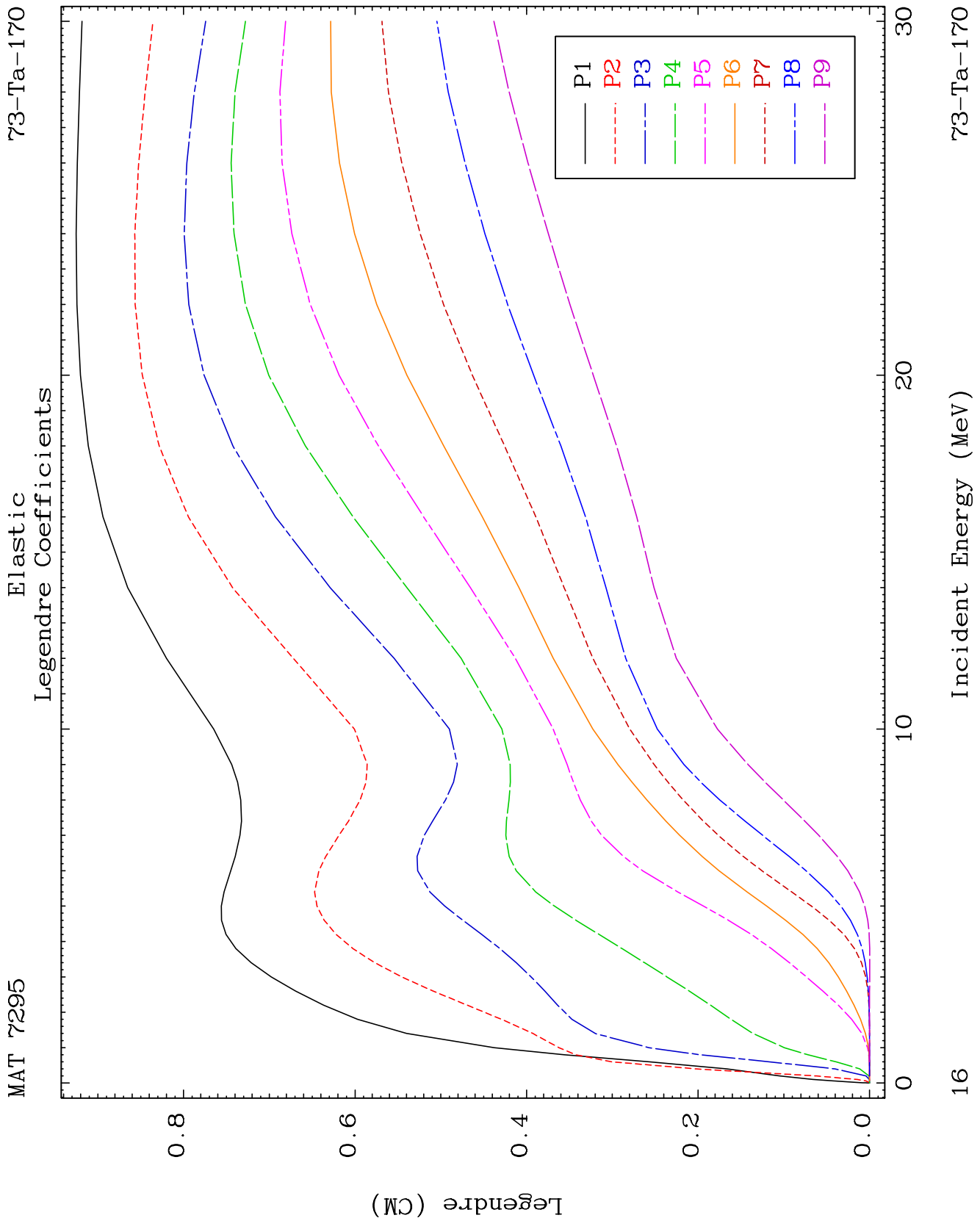
(n,α) Levels  
293 Kelvin Cross Sections

73-Ta-170





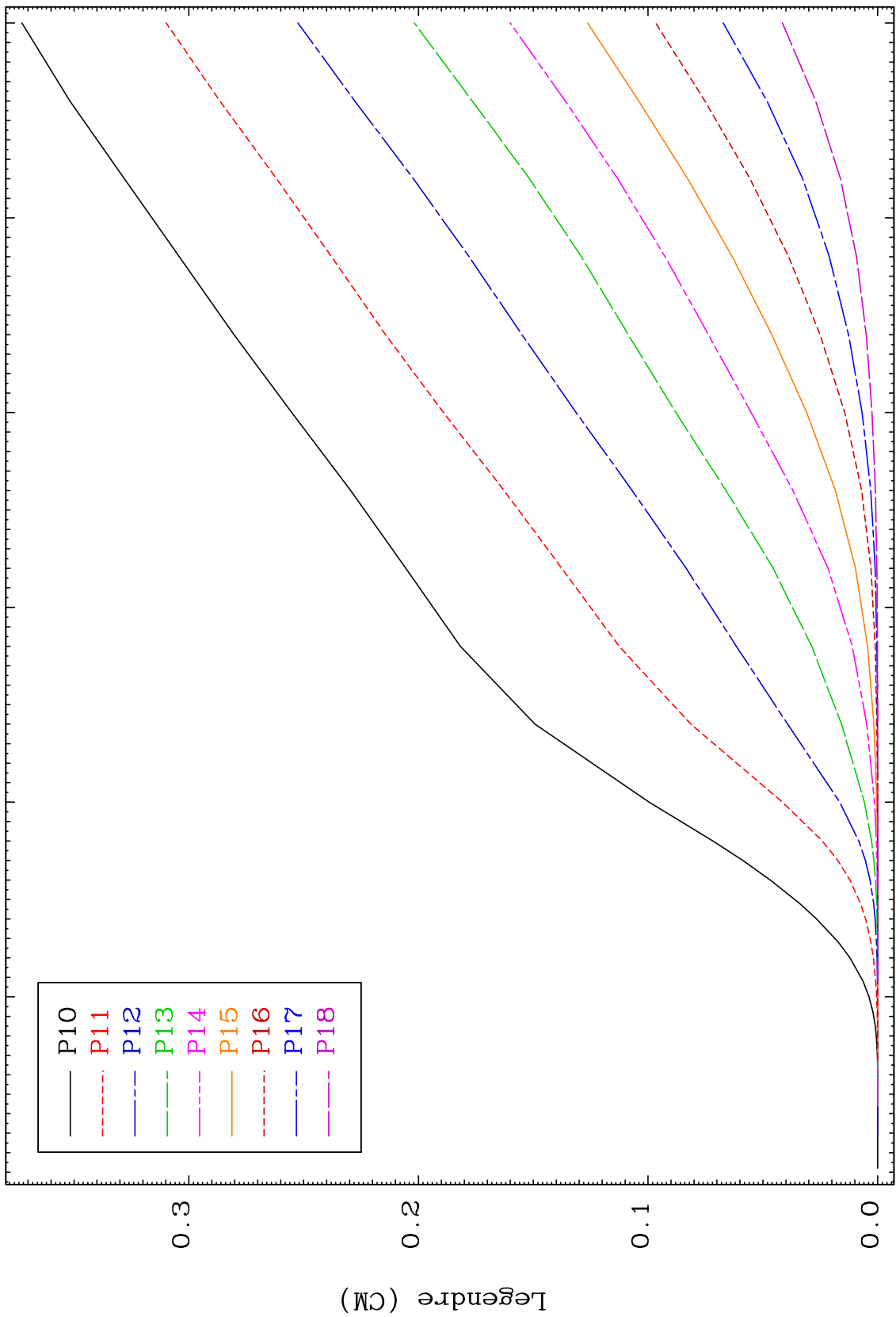




MAT 7295

Elastic Legendre Coefficients

<sup>73</sup>Ta-170



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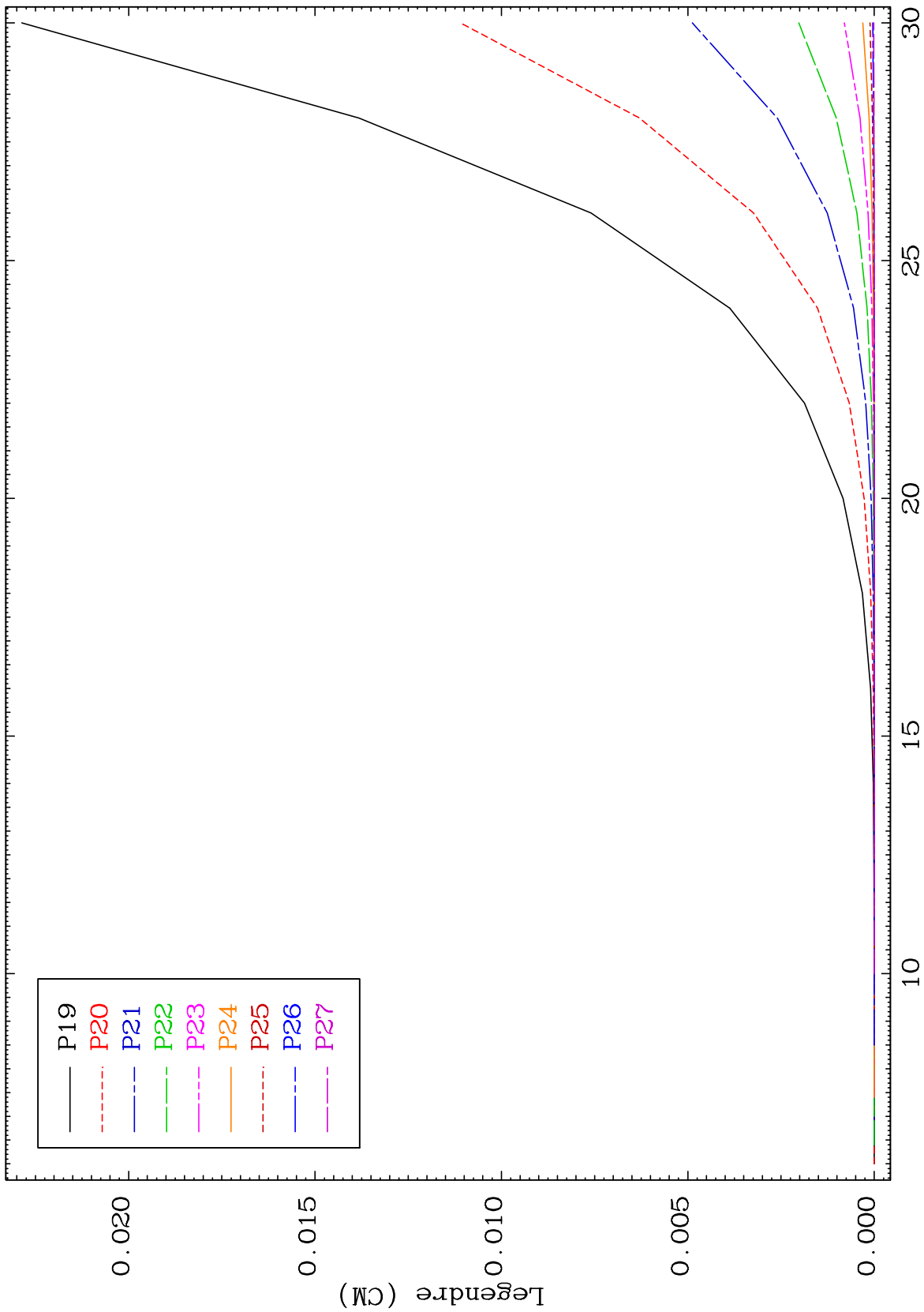
Incident Energy (MeV)

<sup>73</sup>Ta-170

MAT 7295

Elastic  
Legendre Coefficients

73-Ta-170



18

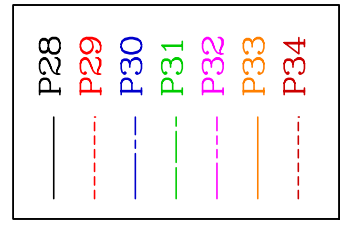
Incident Energy (MeV)

73-Ta-170

MAT 7295

Elastic Legendre Coefficients

<sup>73</sup>Ta-170

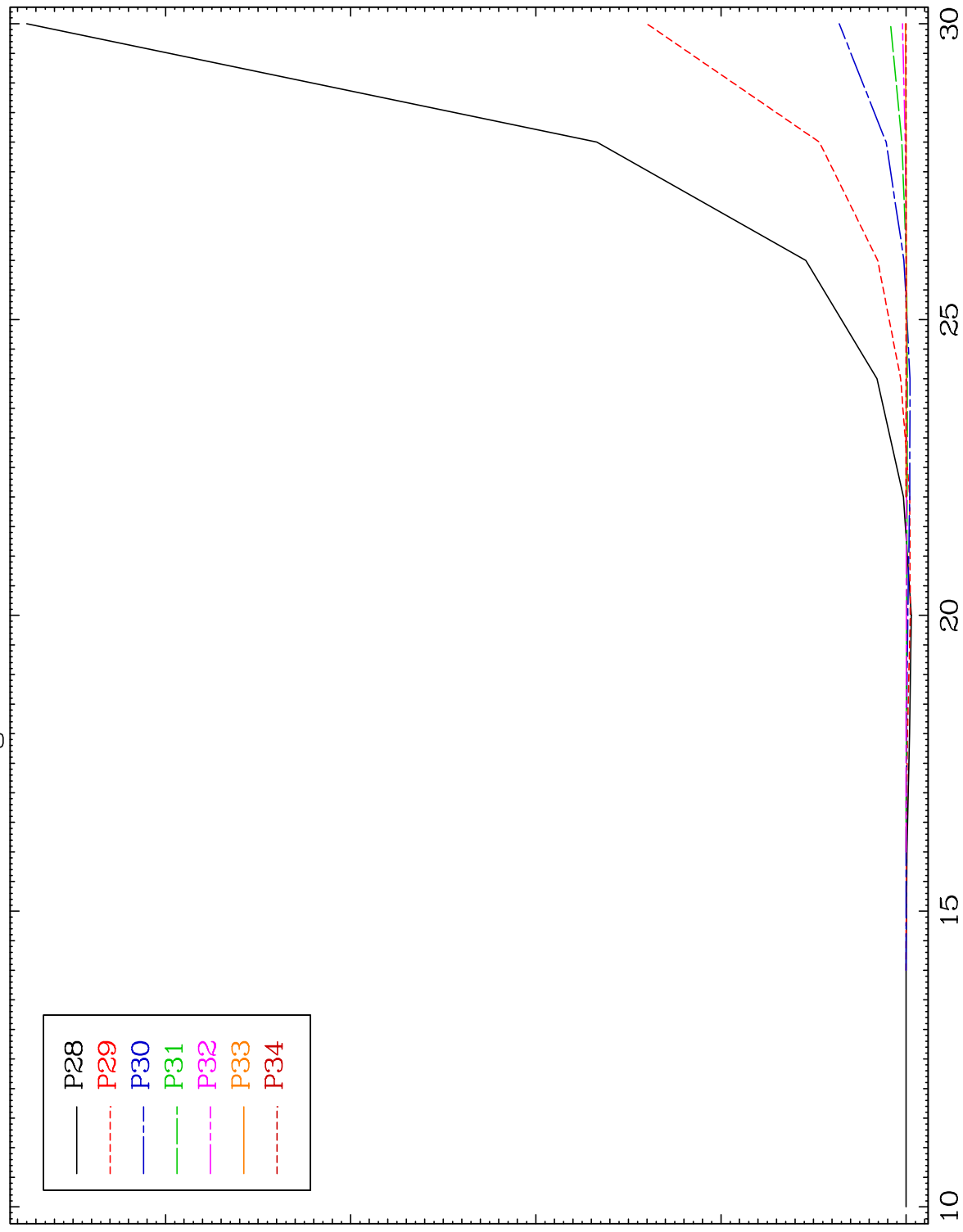


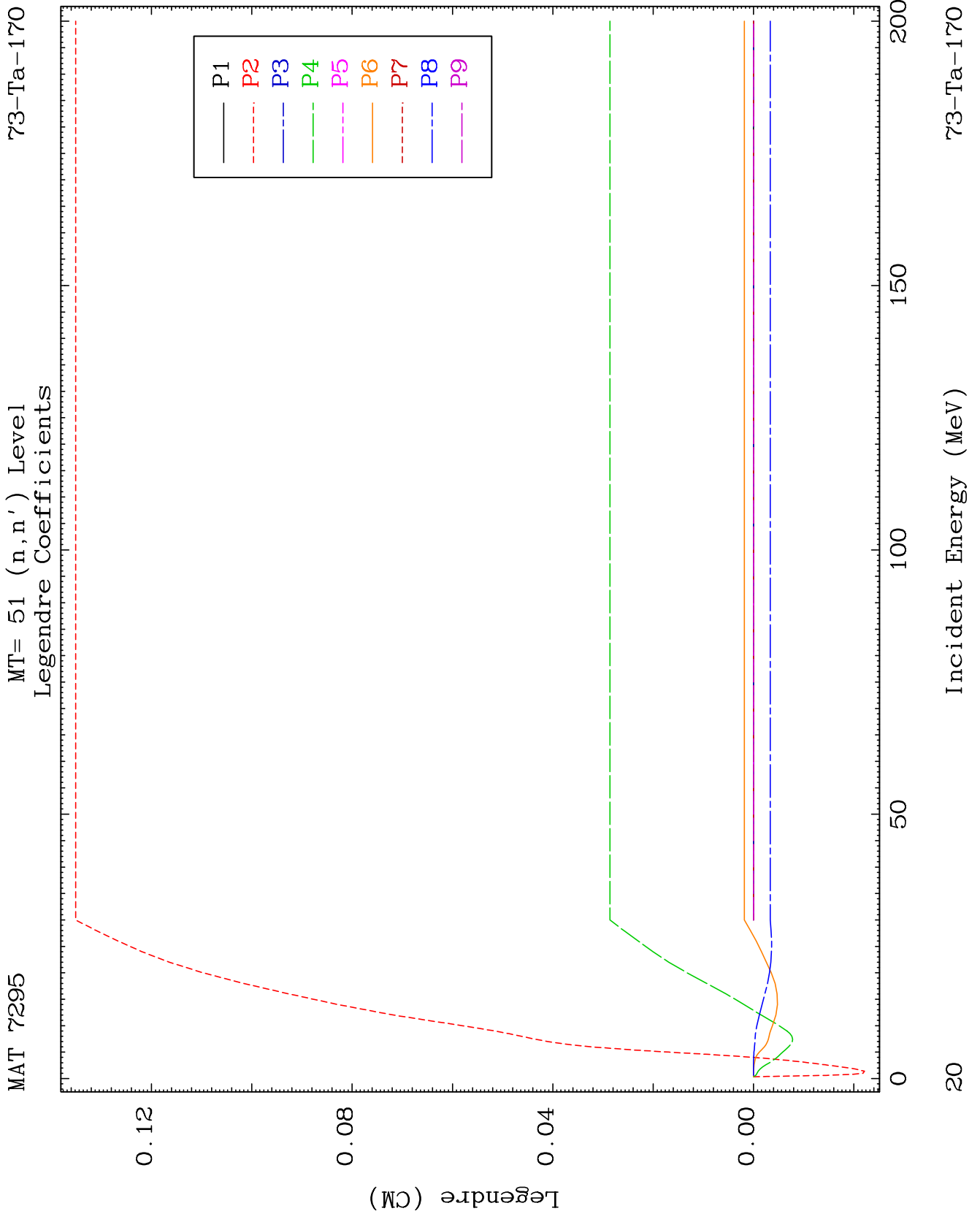
$\times 10^{-6}$

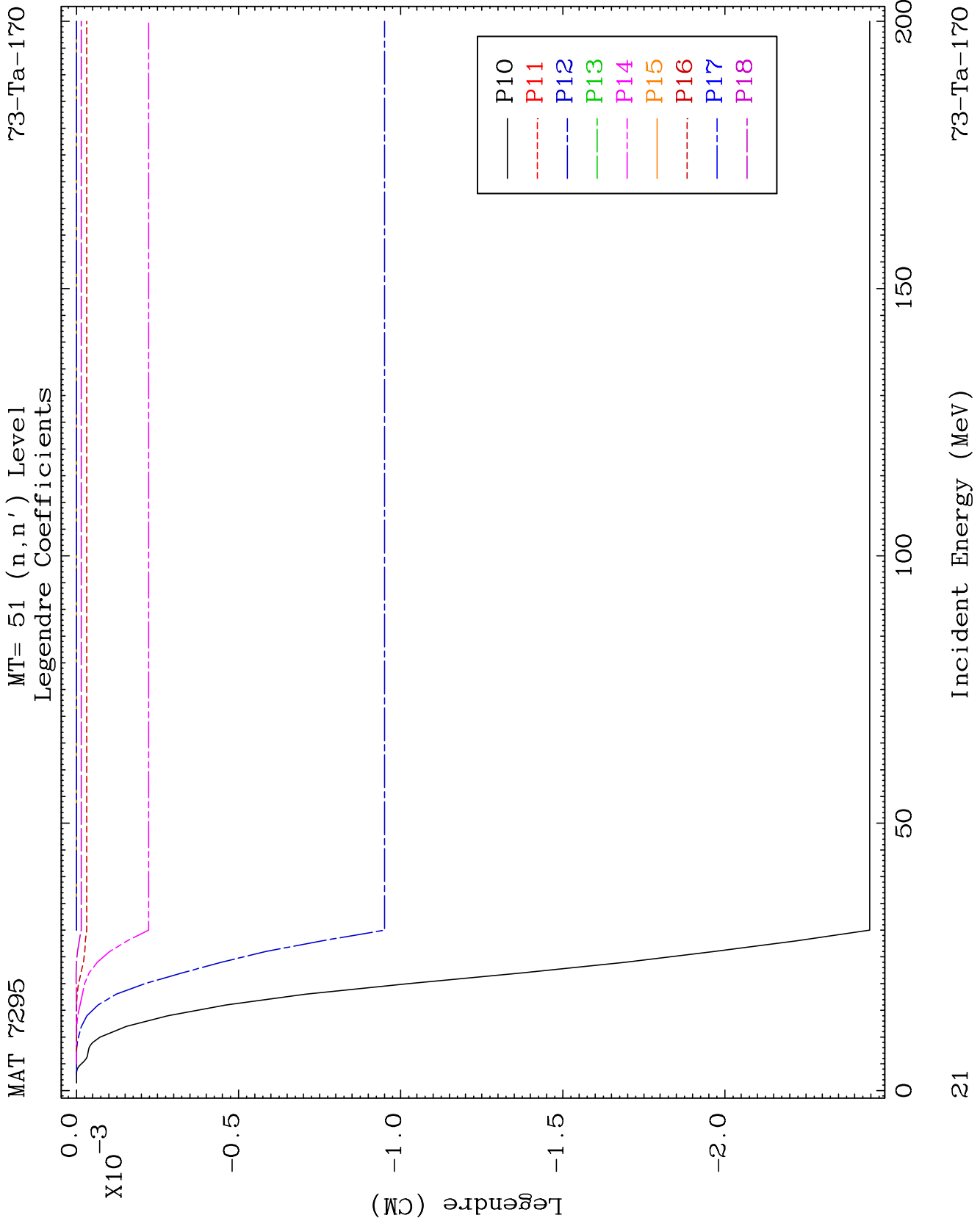
Legendre (CM)

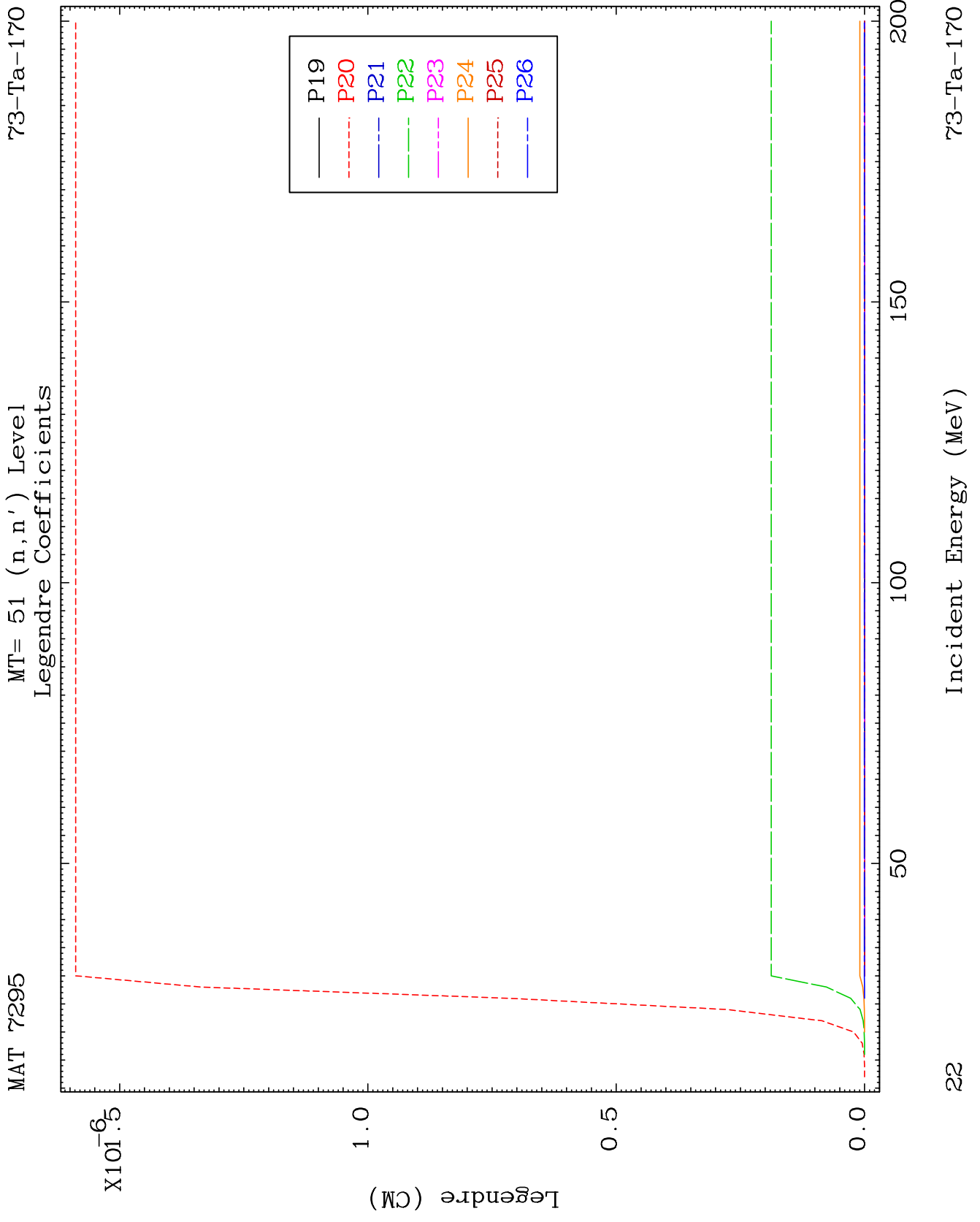
Incident Energy (MeV)

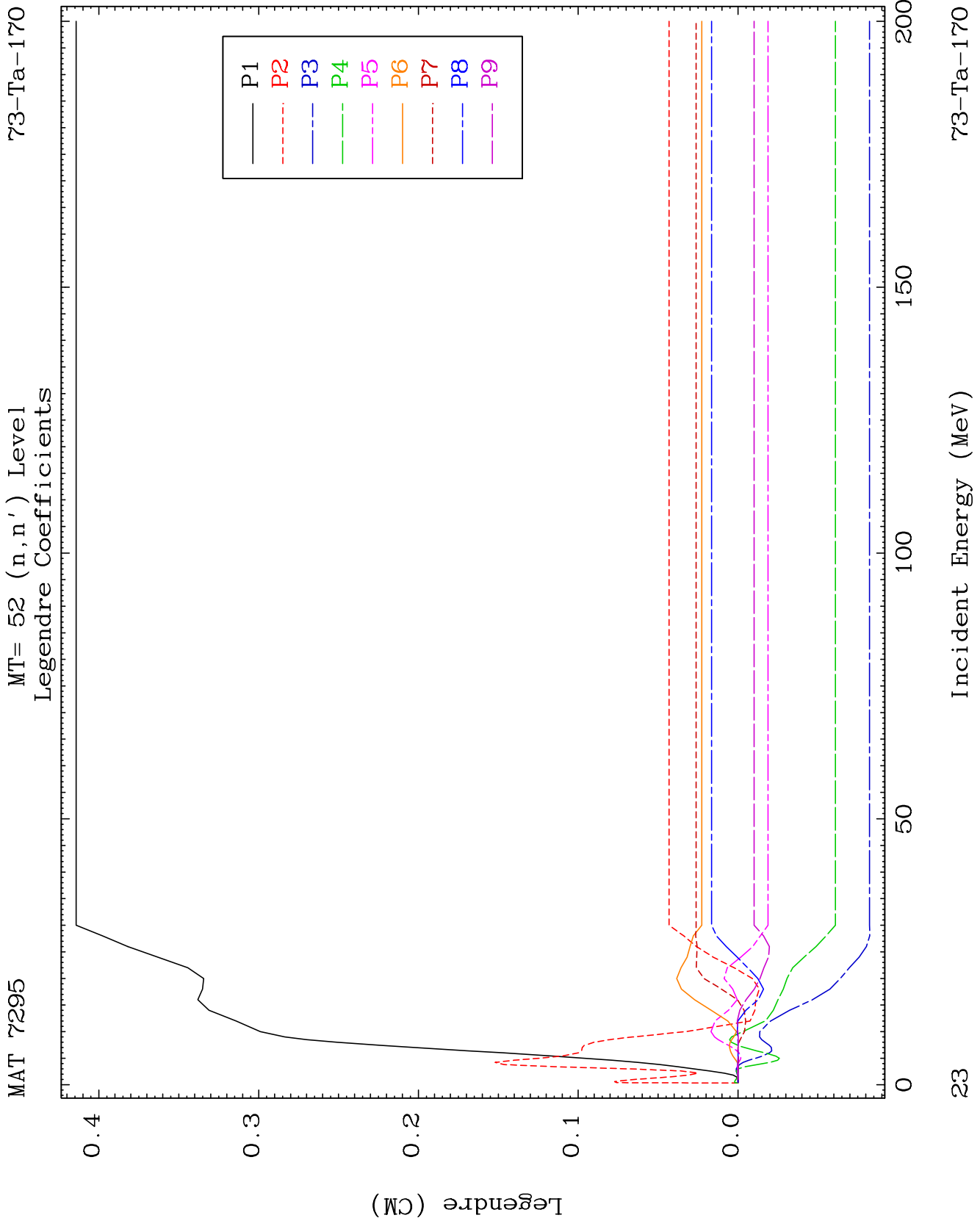
<sup>73</sup>Ta-170





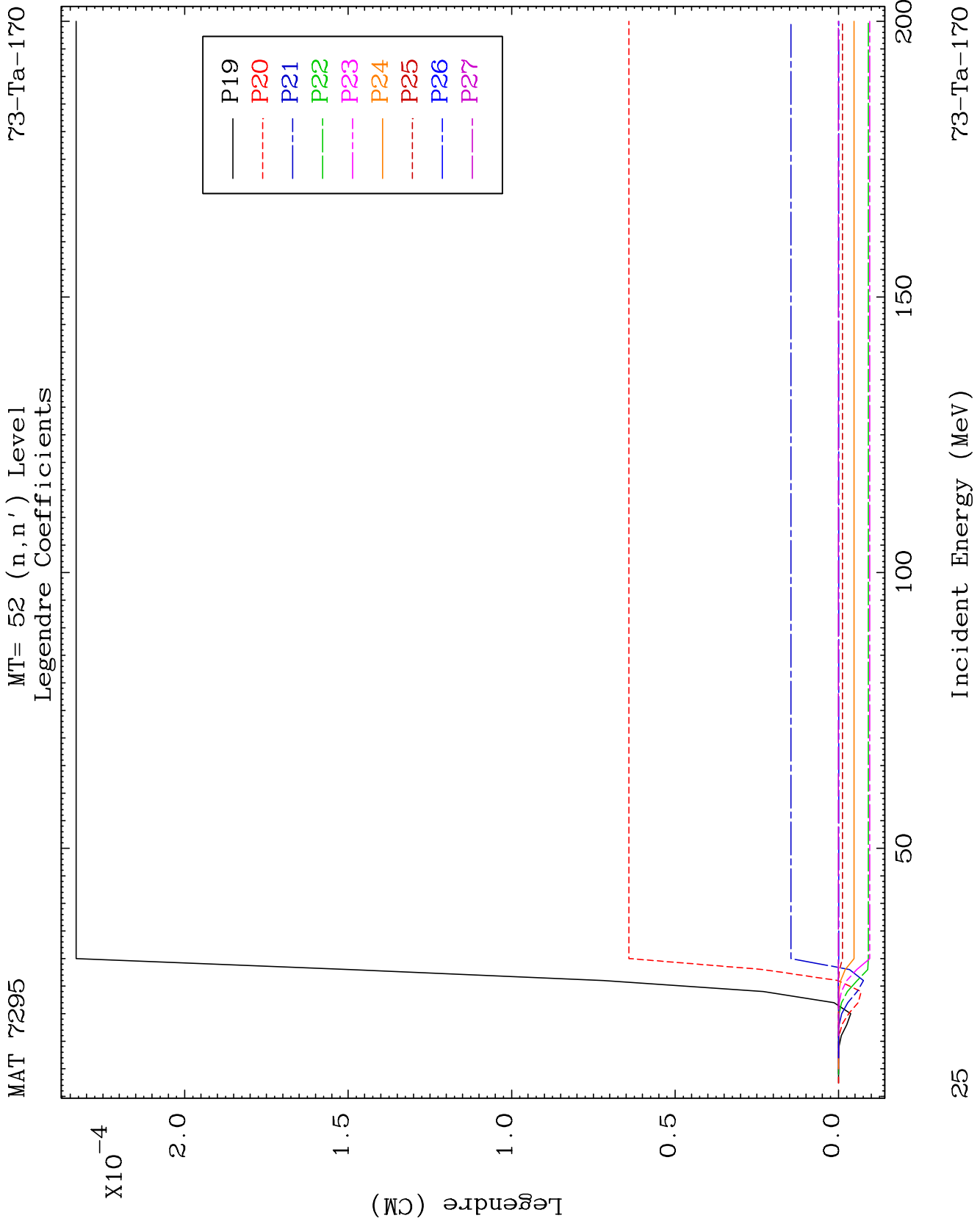


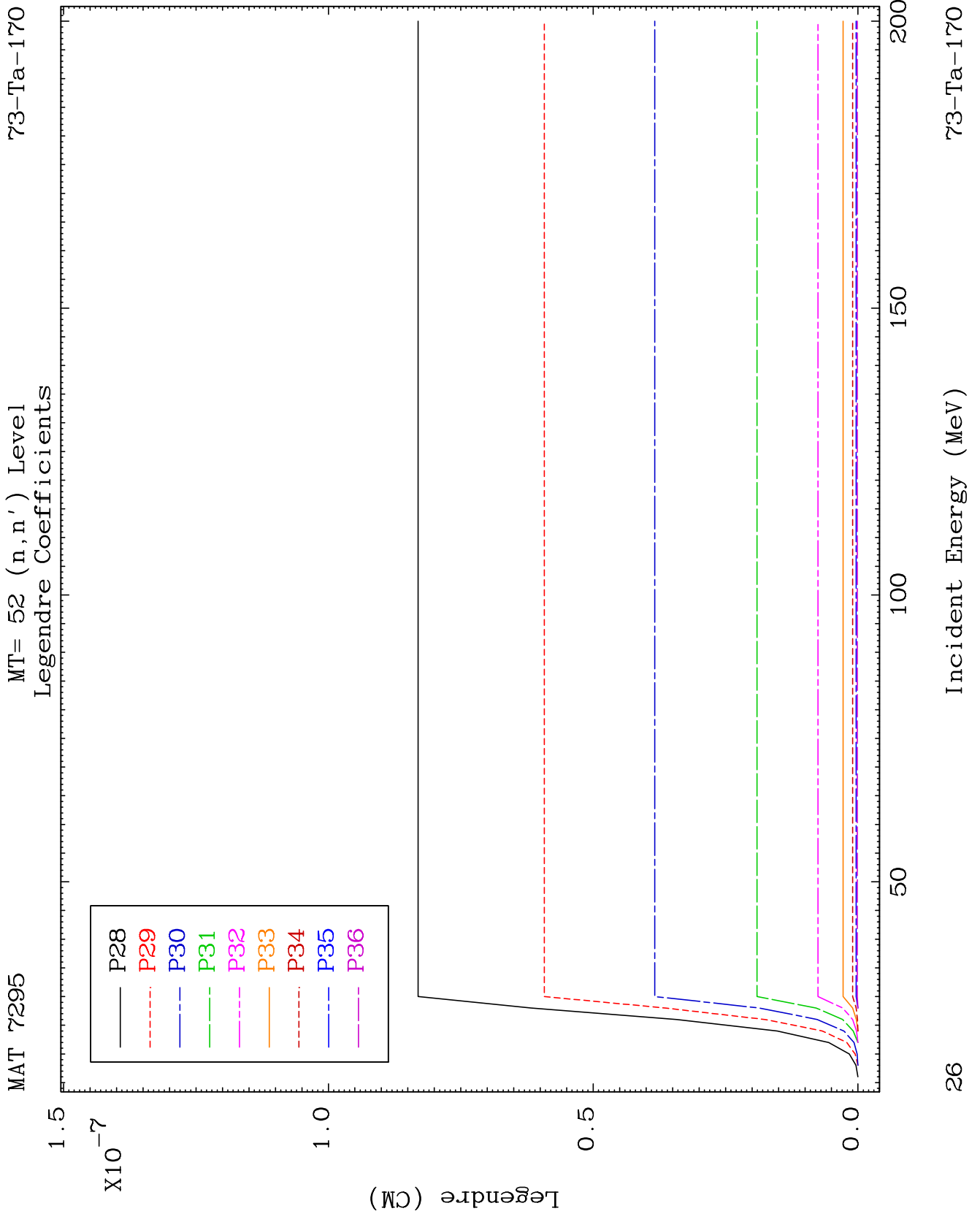


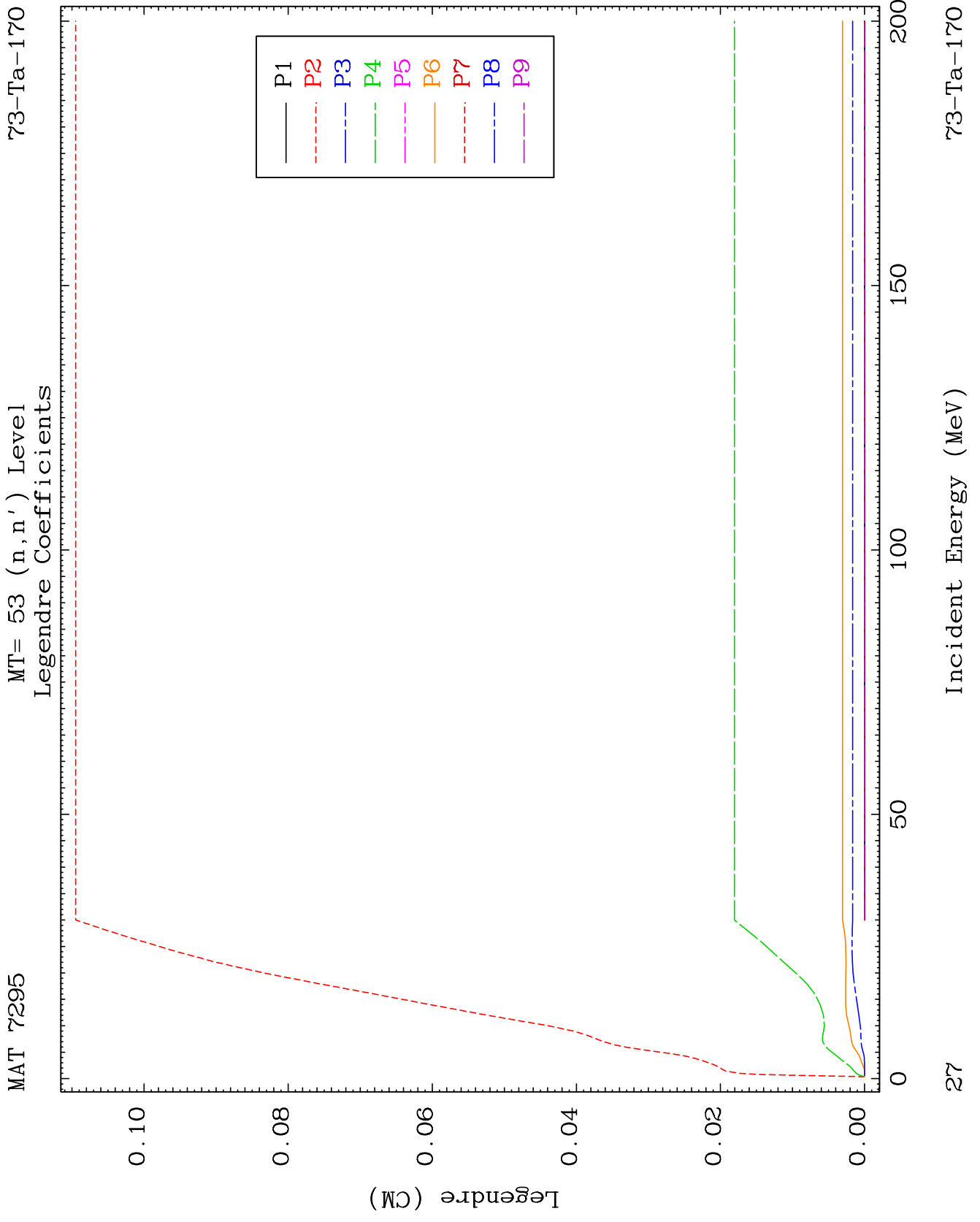








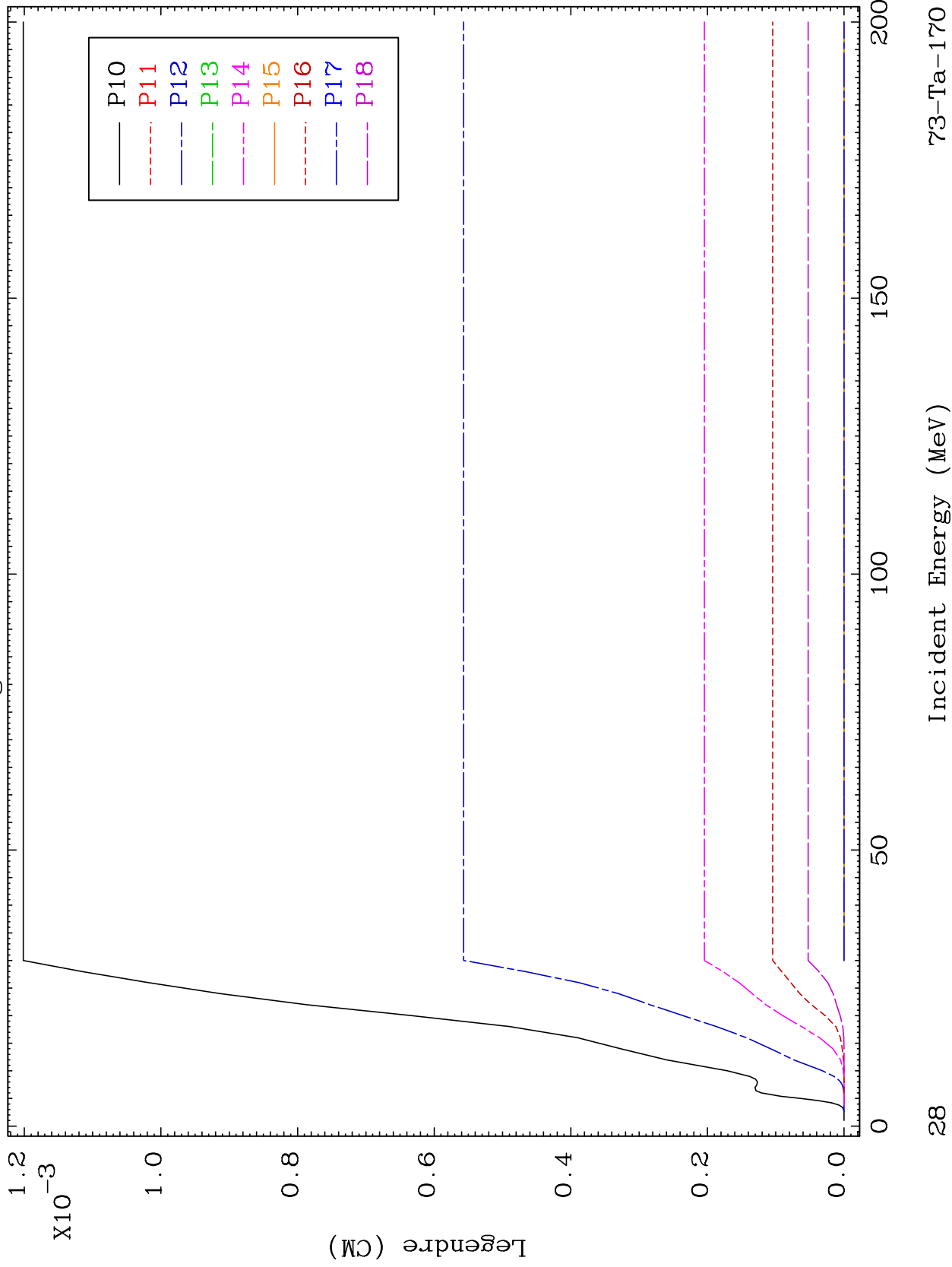




MAT 7295

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

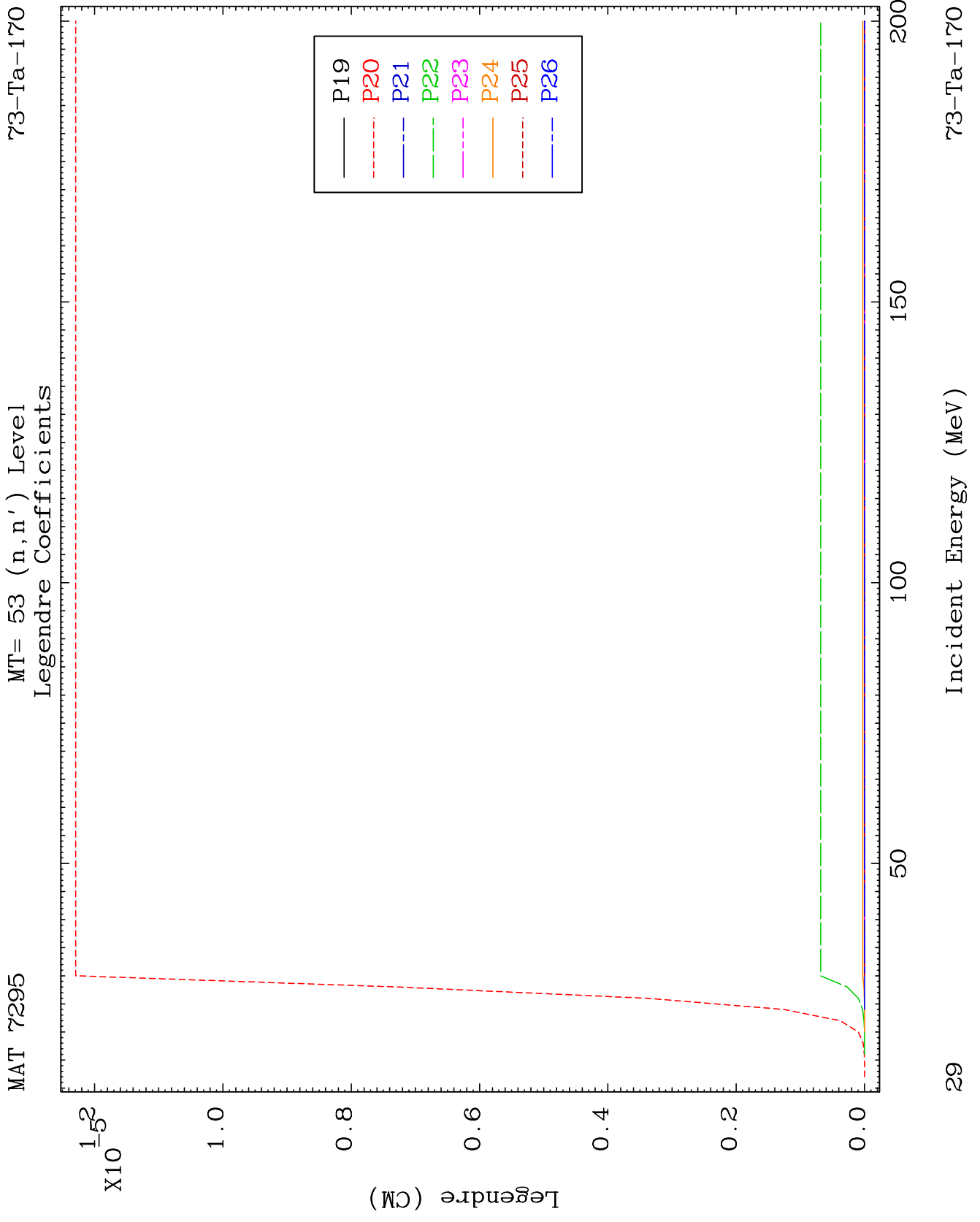
73-Ta-170



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Incident Energy (MeV)

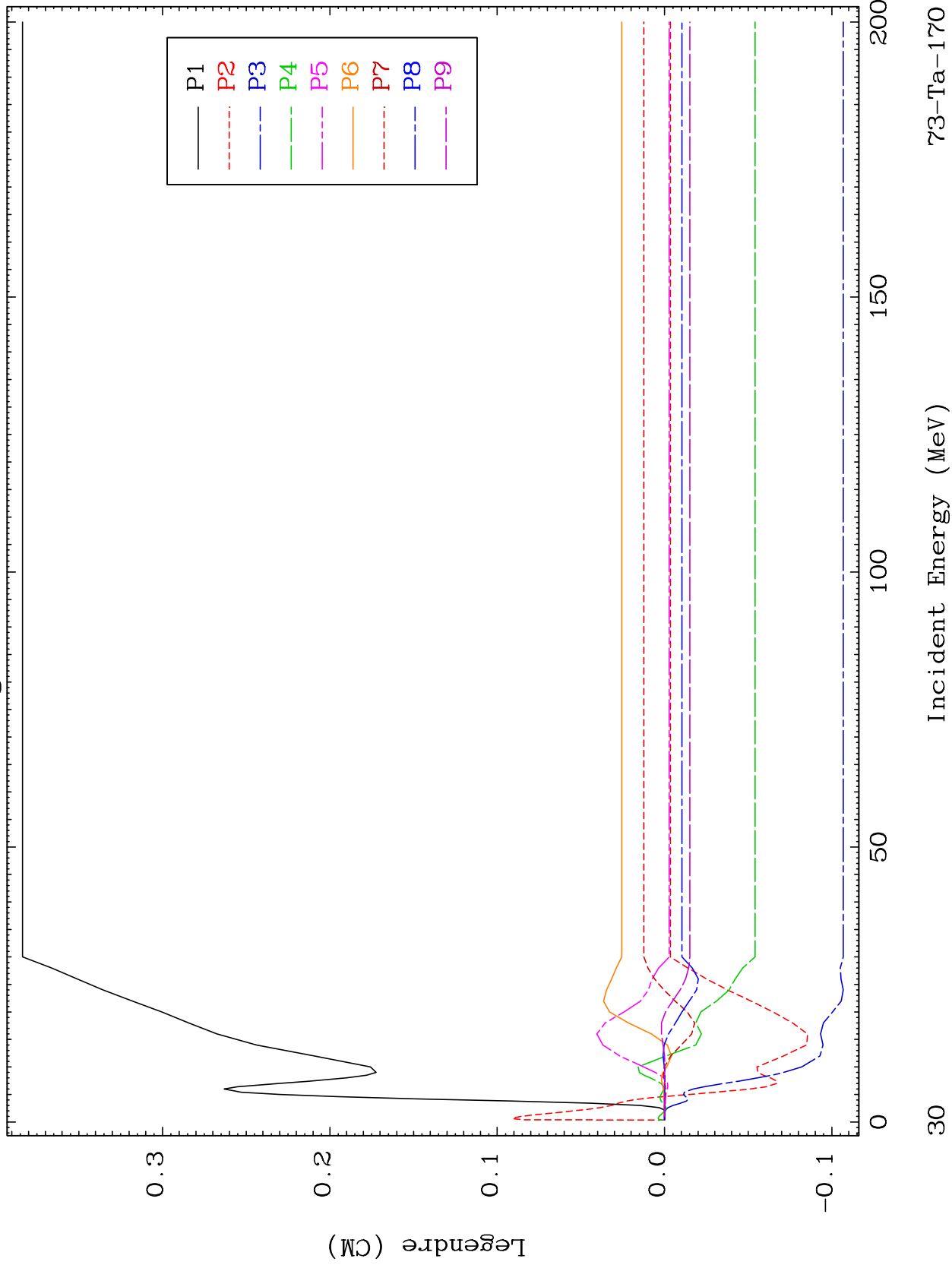
73-Ta-170



MAT 7295

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

<sup>73</sup>Ta-170

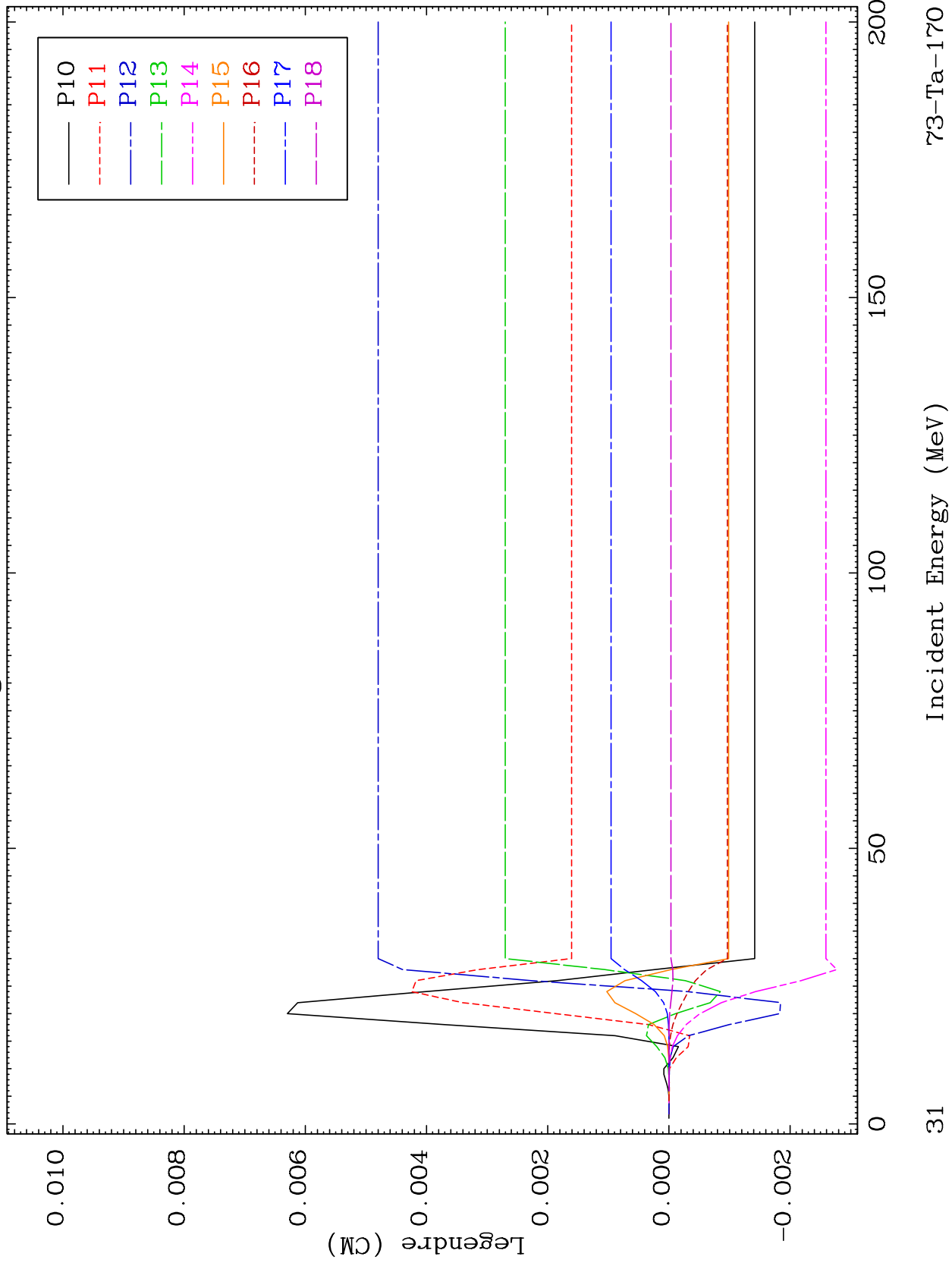


<sup>73</sup>Ta-170

MAT 7295

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

73-Ta-170



31

Incident Energy (MeV)

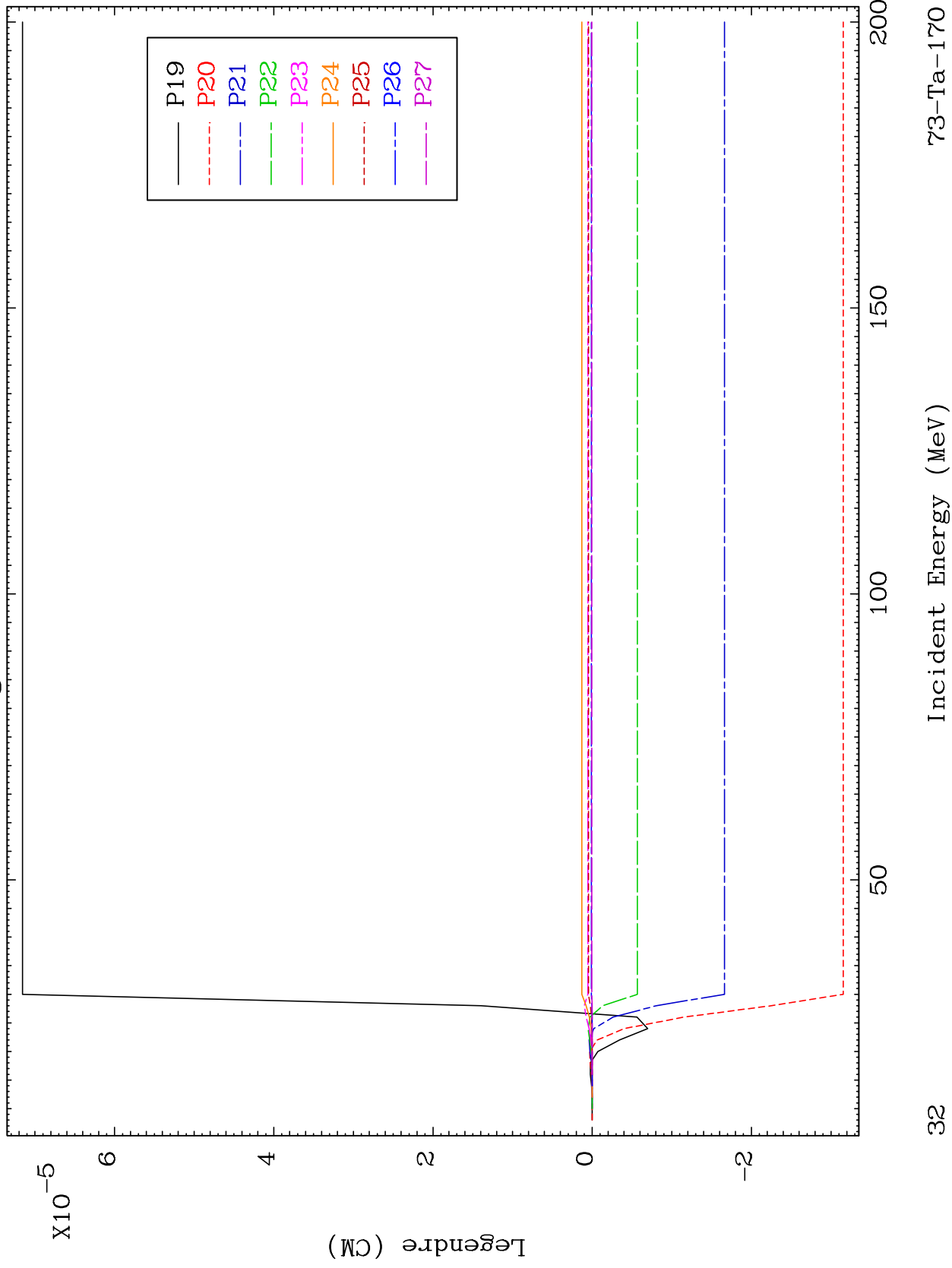
73-Ta-170



MAT 7295

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

73-Ta-170



32

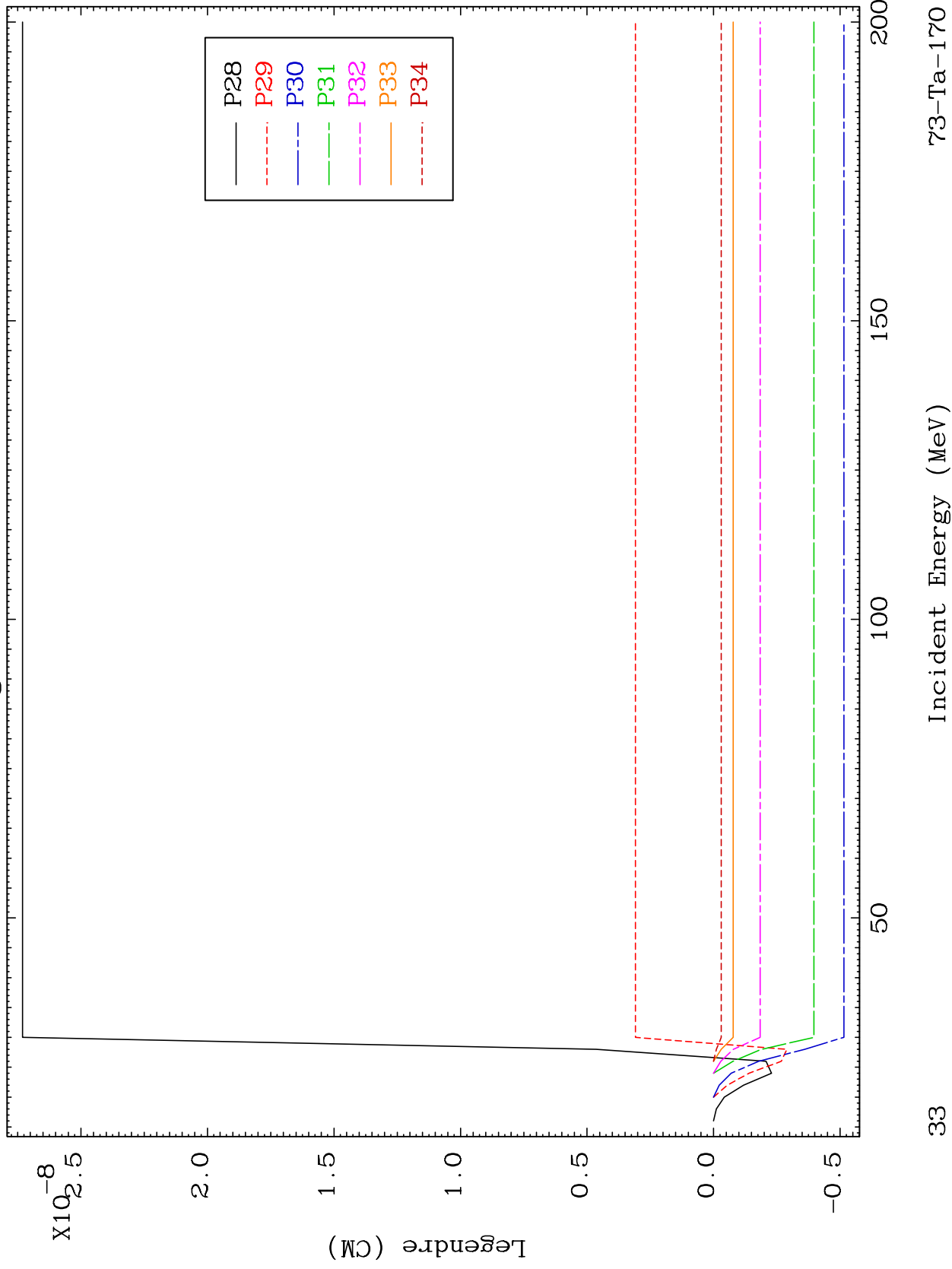
Incident Energy (MeV)

73-Ta-170

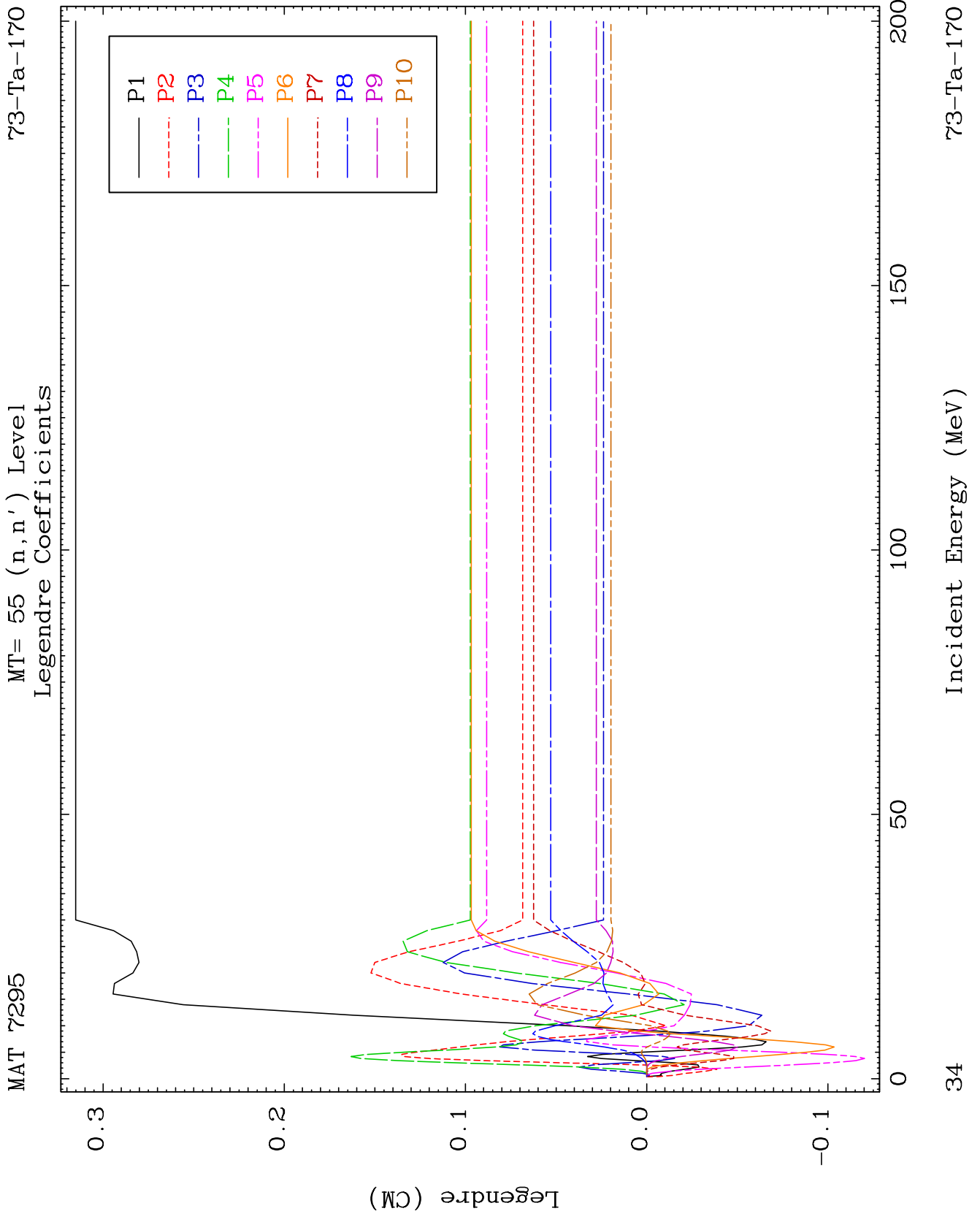
MAT 7295

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

73-Ta-170



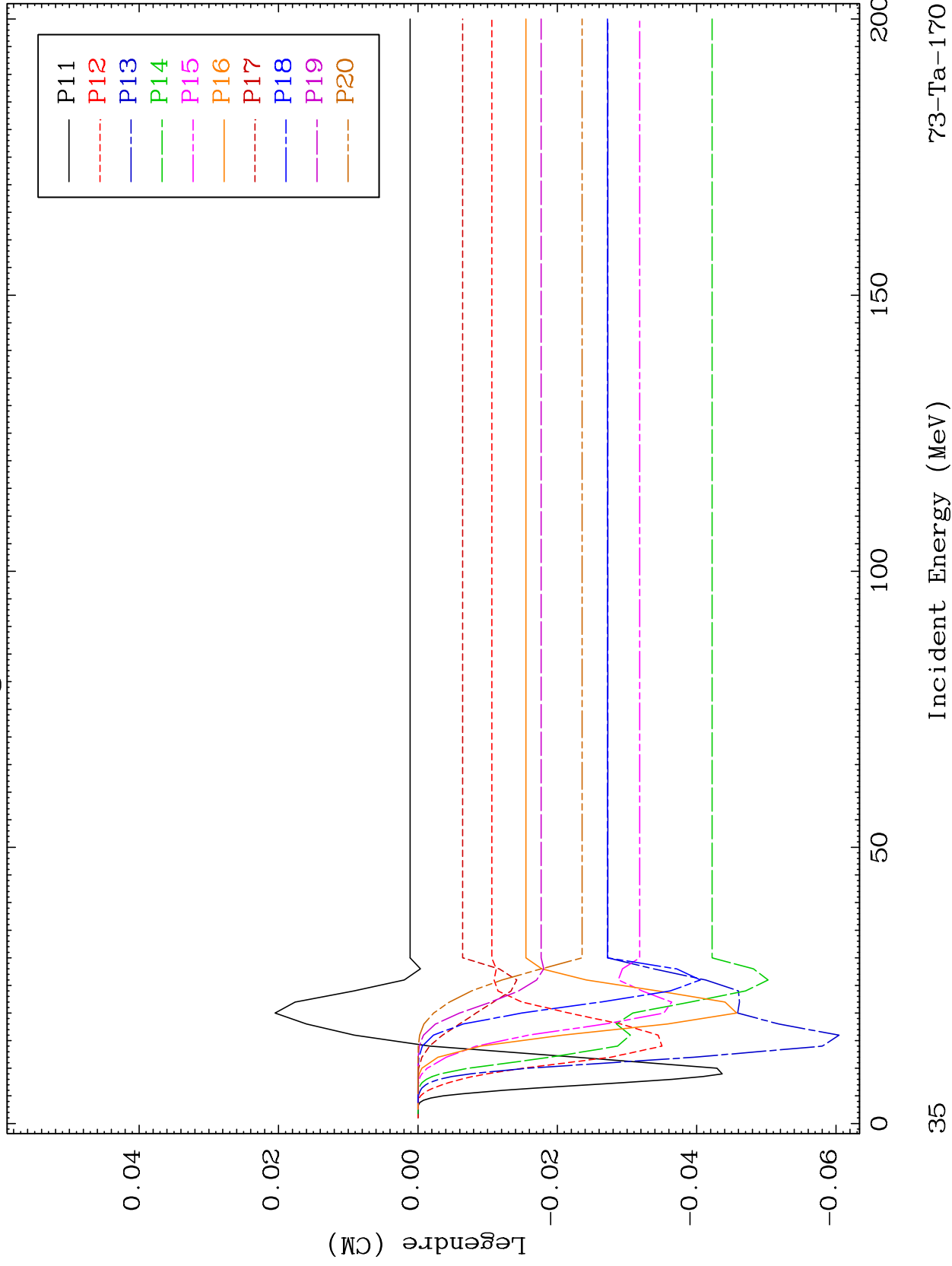
33



MAT 7295

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

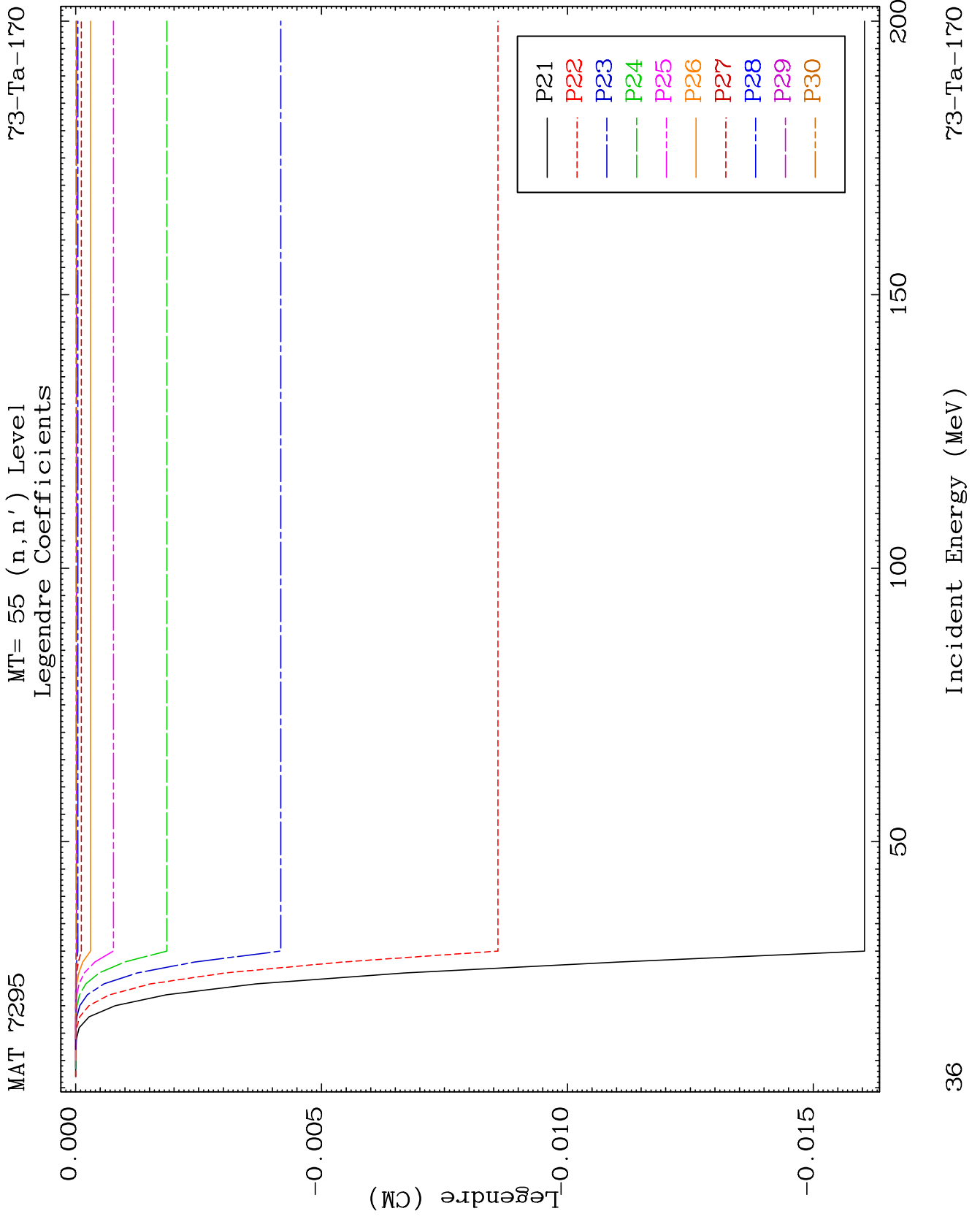
73-Ta-170

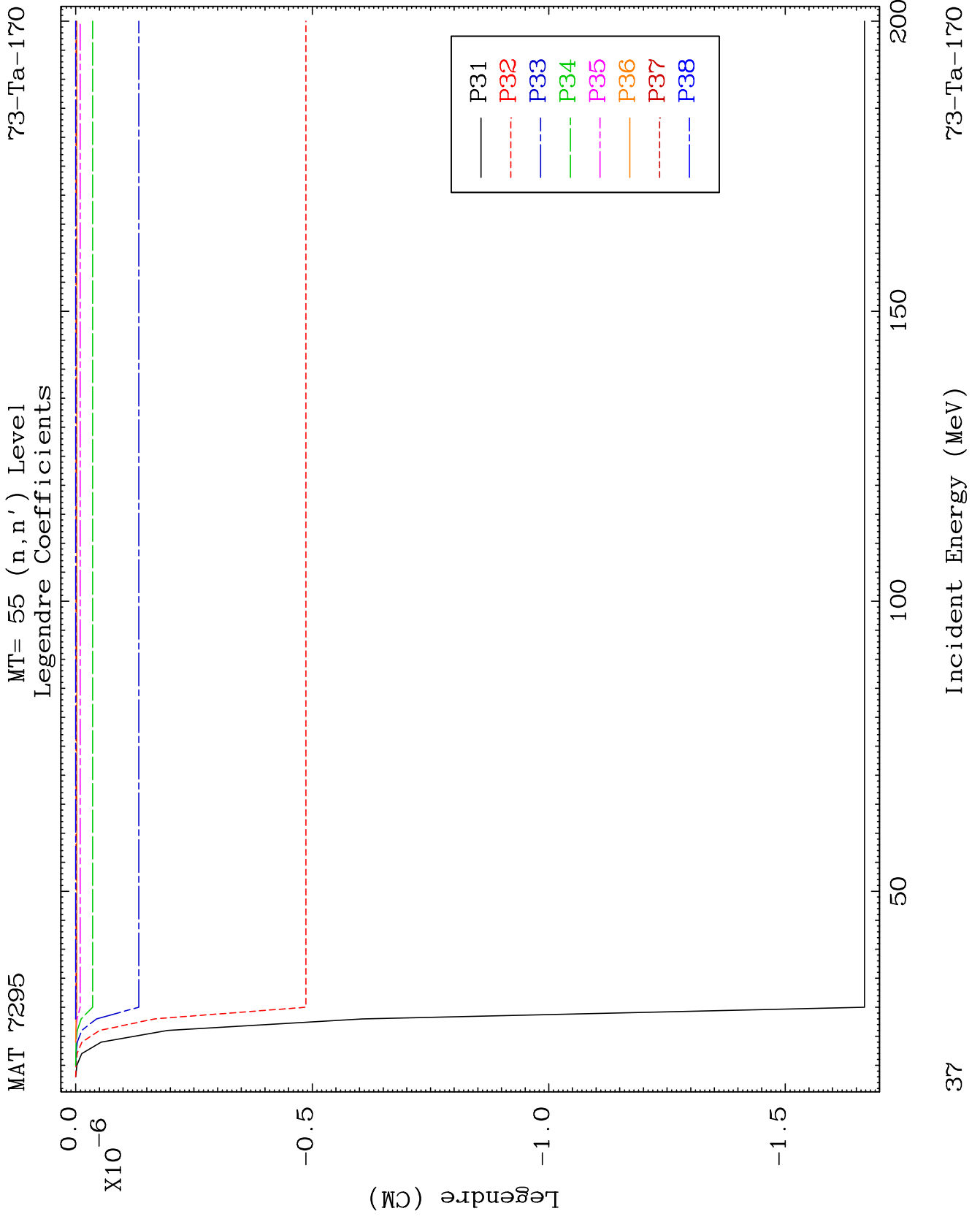


73-Ta-170

Incident Energy (MeV)

35

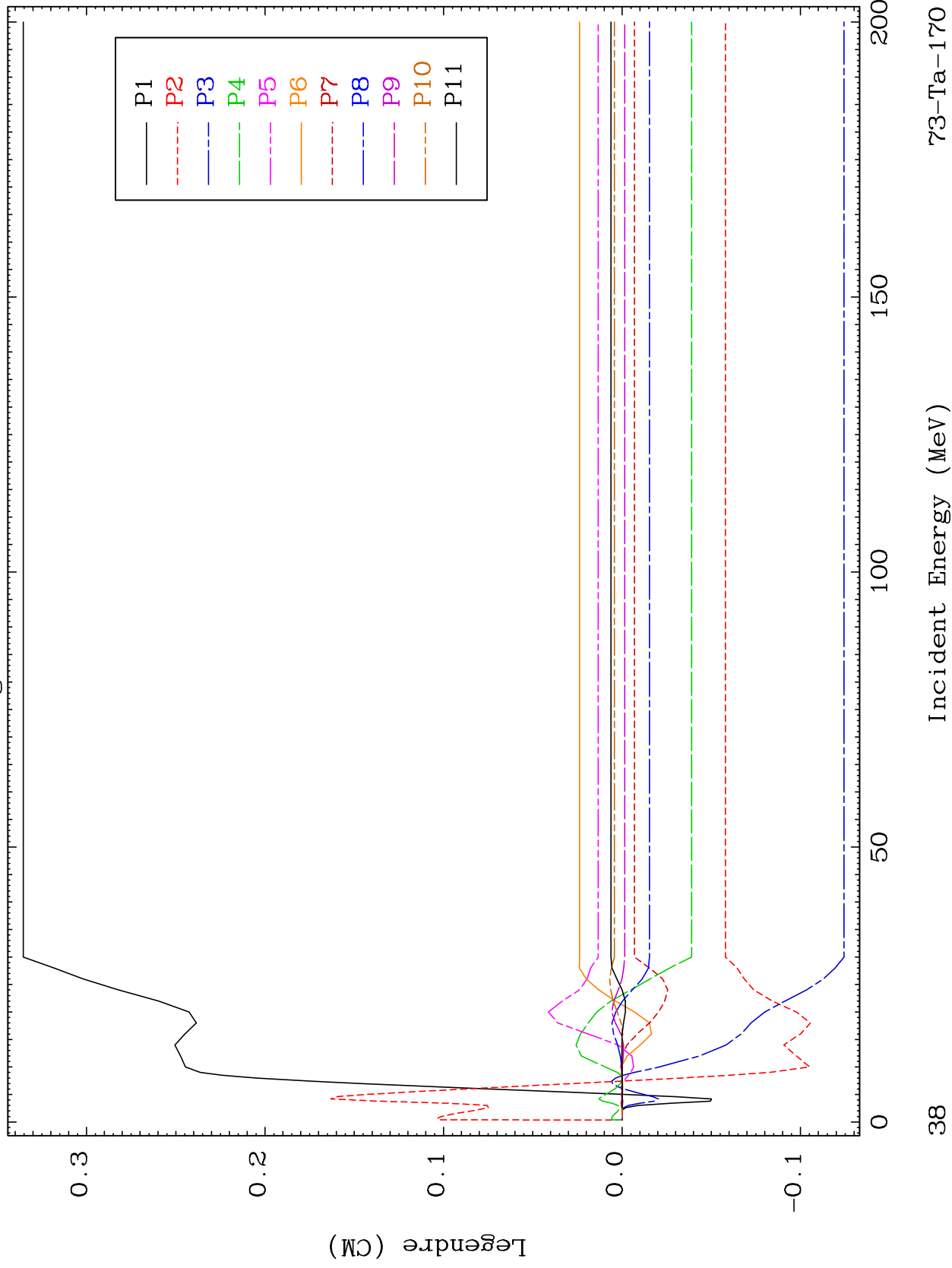




MAT 7295

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

73-Ta-170



73-Ta-170

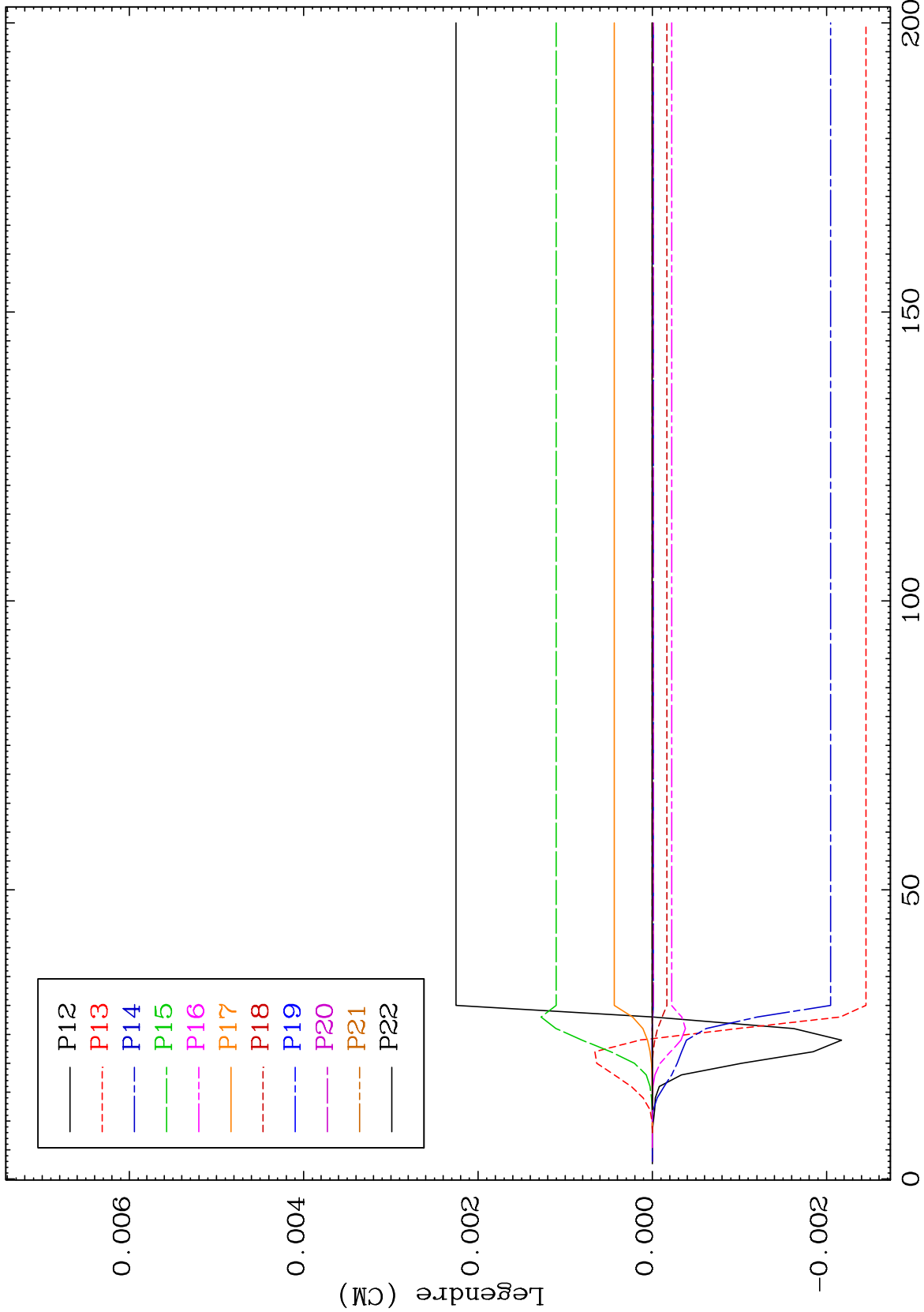
Incident Energy (MeV)

38

MAT 7295

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

73-Ta-170



39

Incident Energy (MeV)

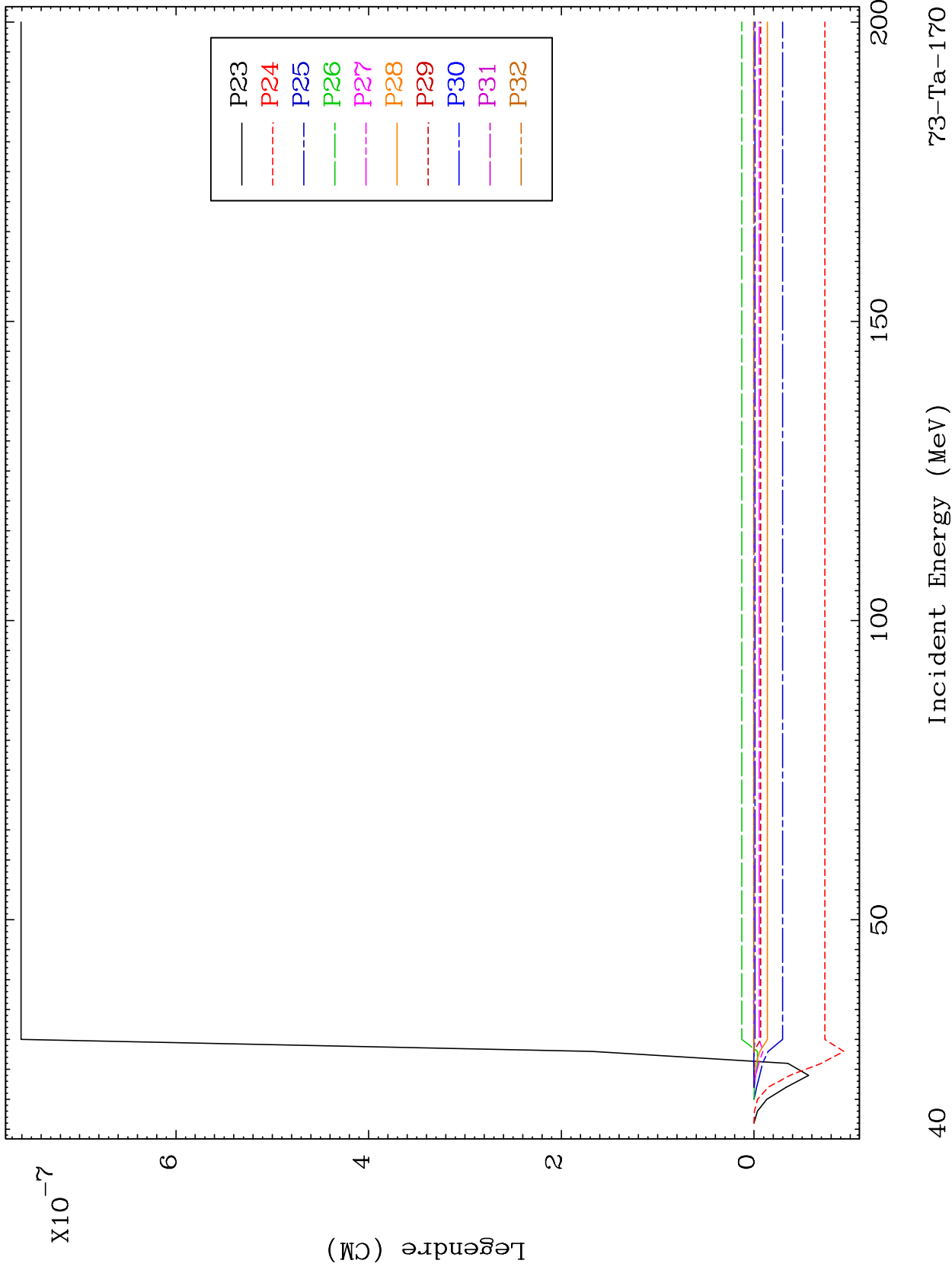
73-Ta-170



MAT 7295

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

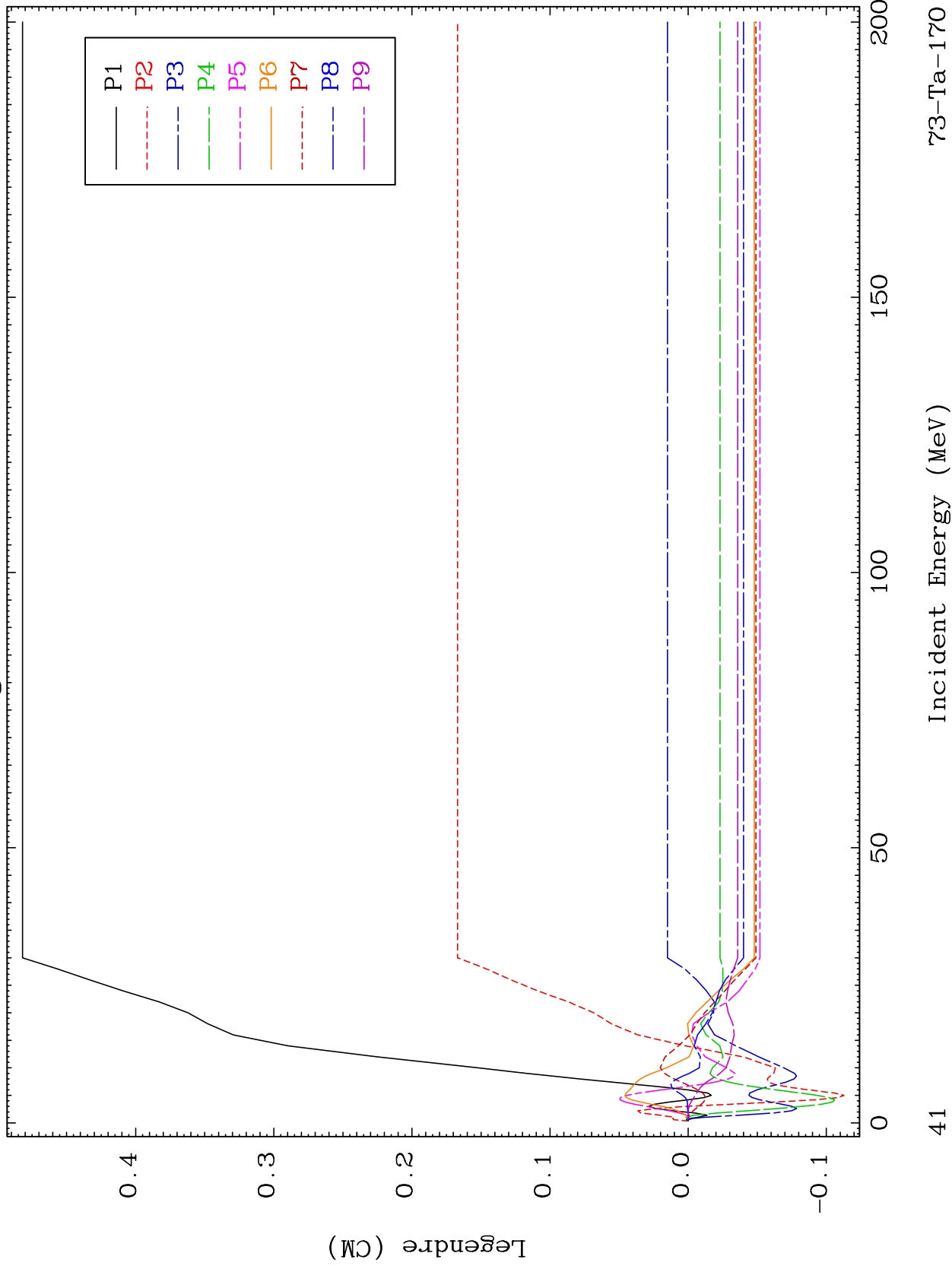
73-Ta-170



MAT 7295

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

73-Ta-170



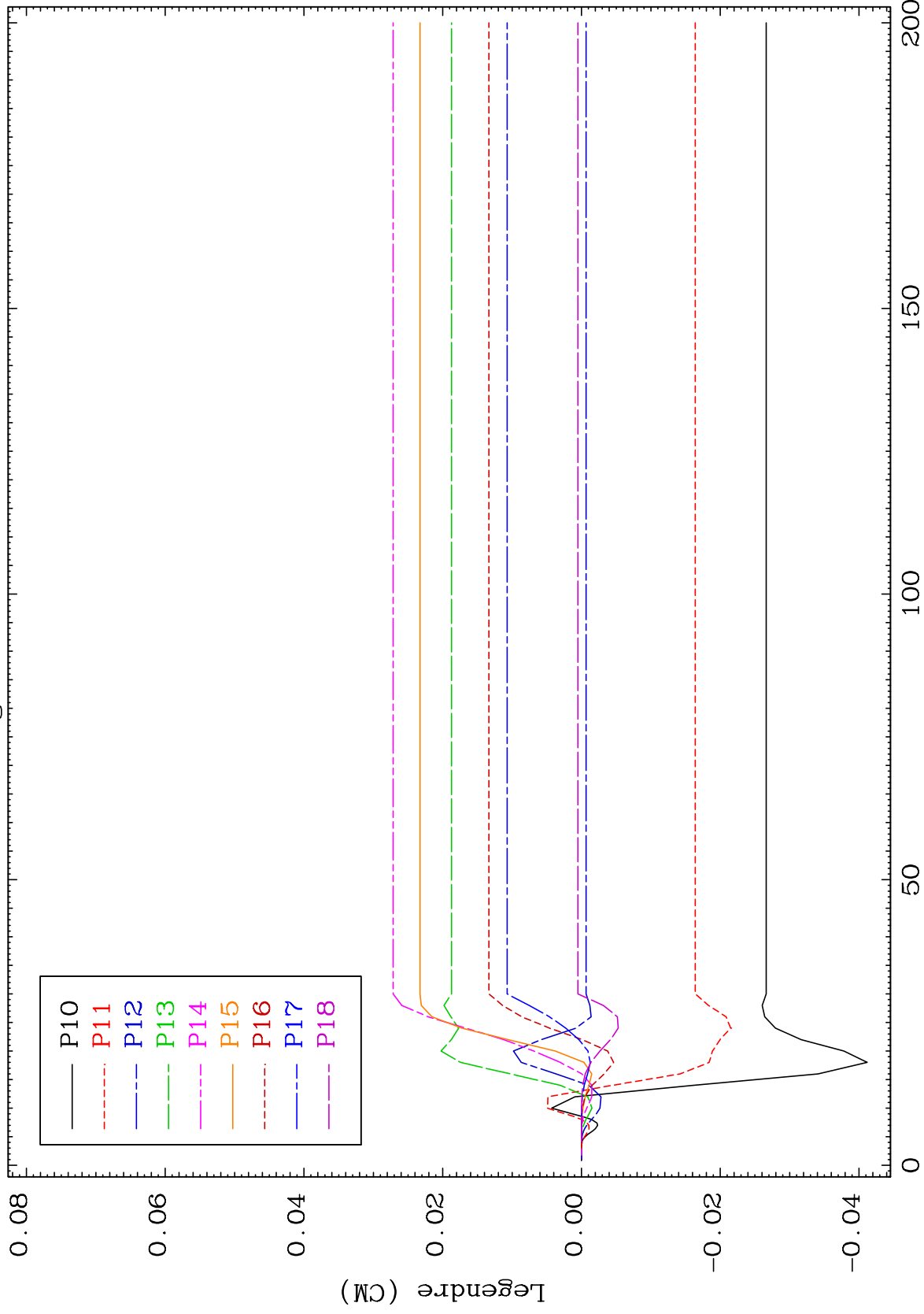
41

73-Ta-170

MAT 7295

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

73-Ta-170



42

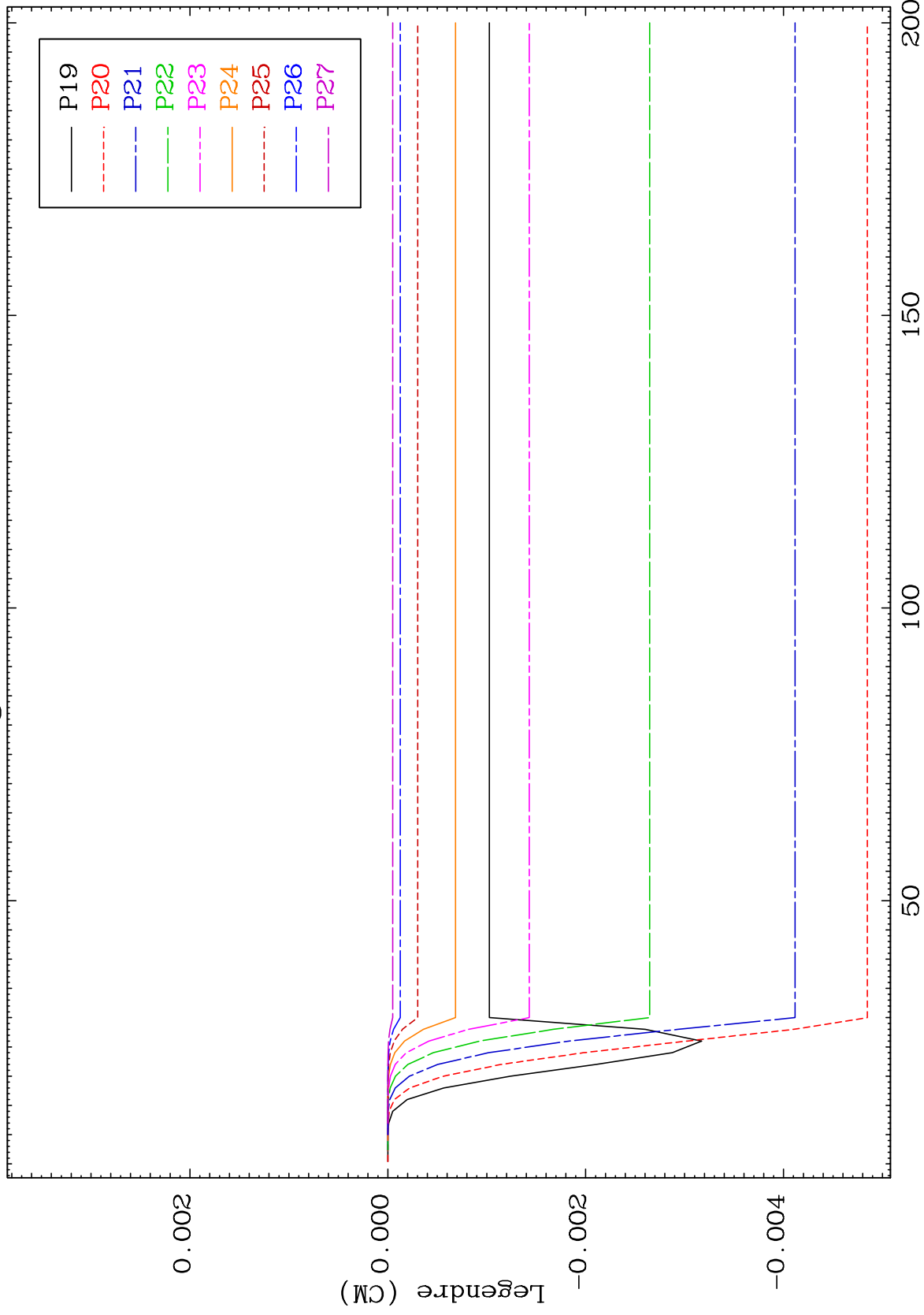
Incident Energy (MeV)

73-Ta-170

MAT 7295

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

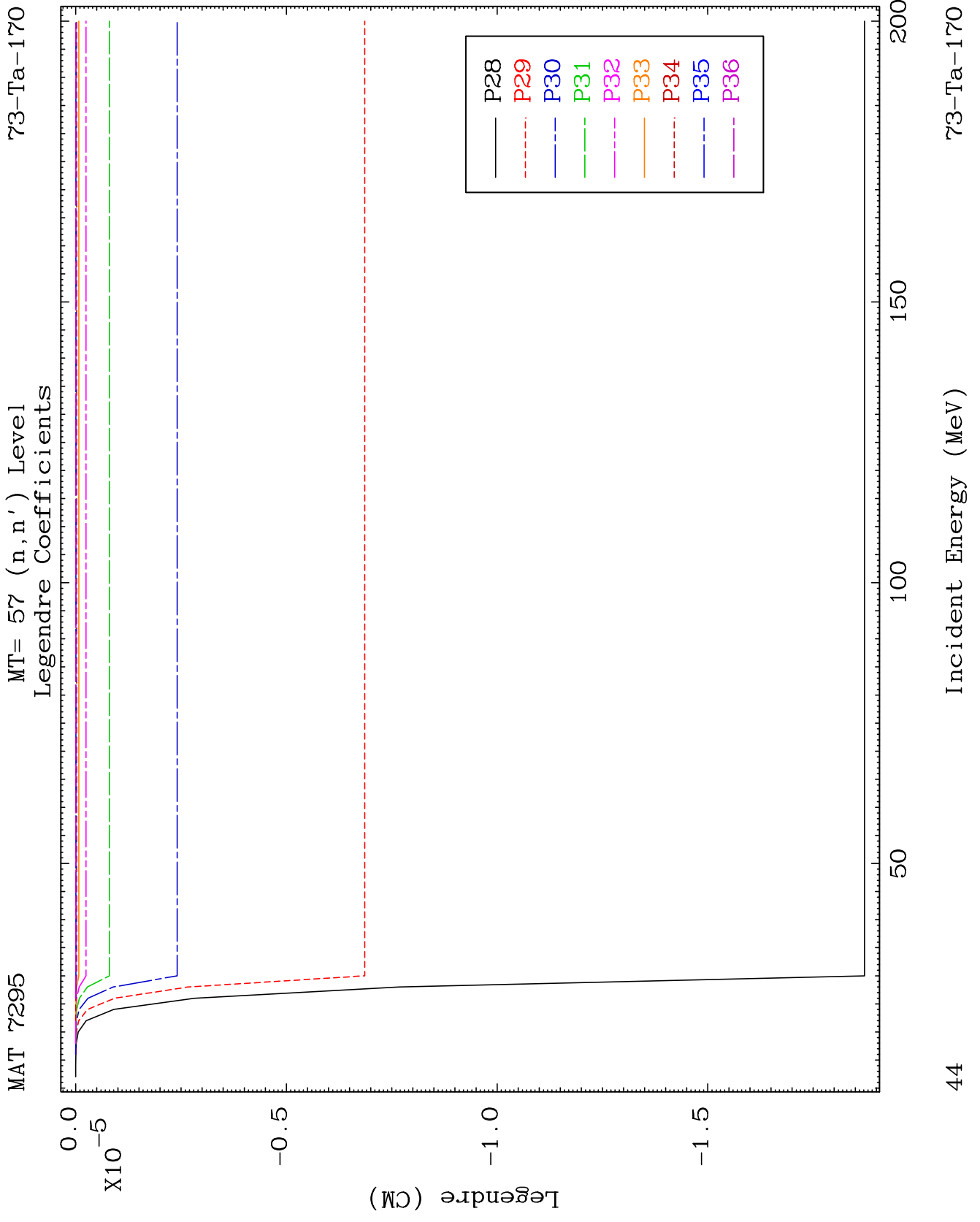
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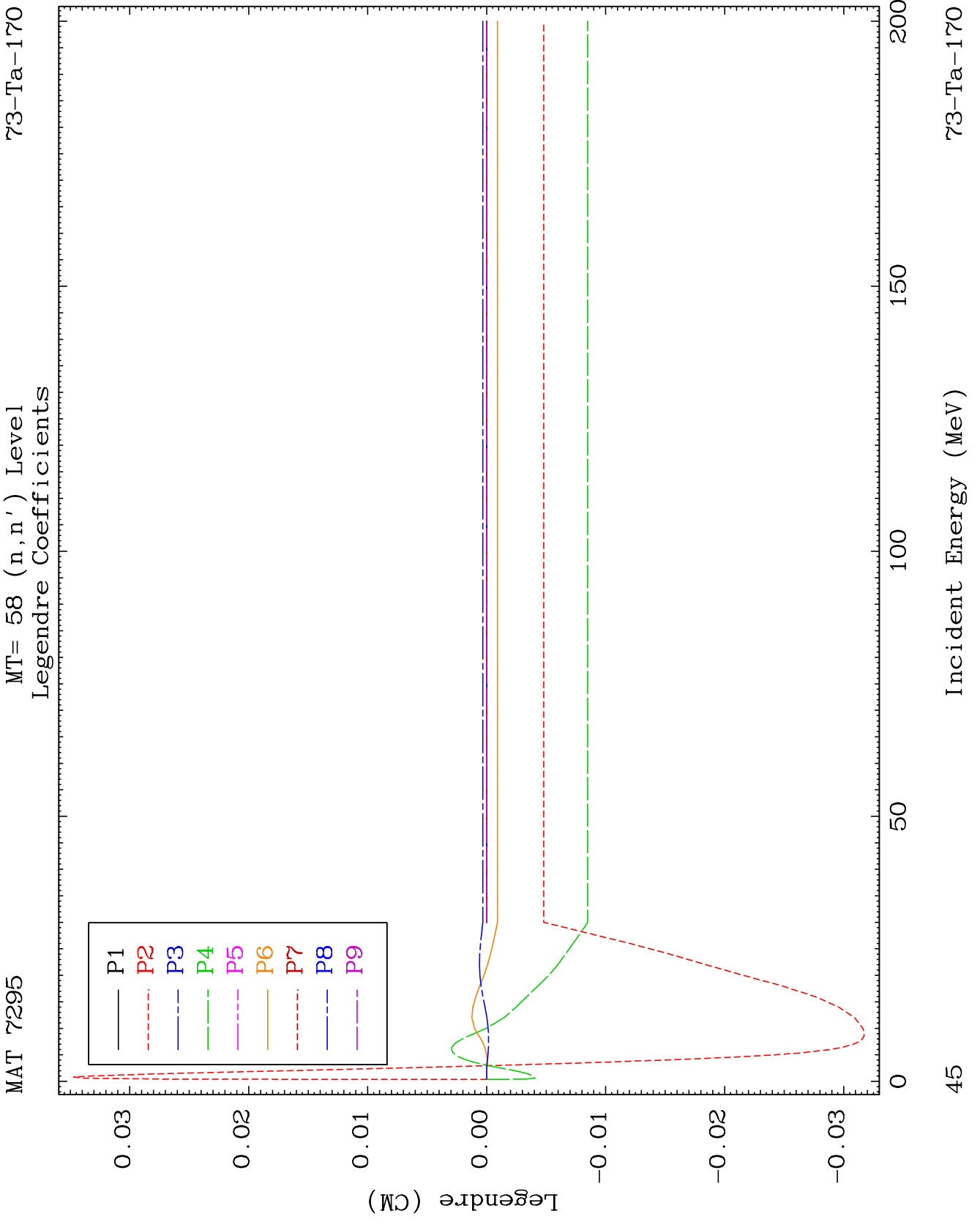


43

Incident Energy (MeV)

73-Ta-170

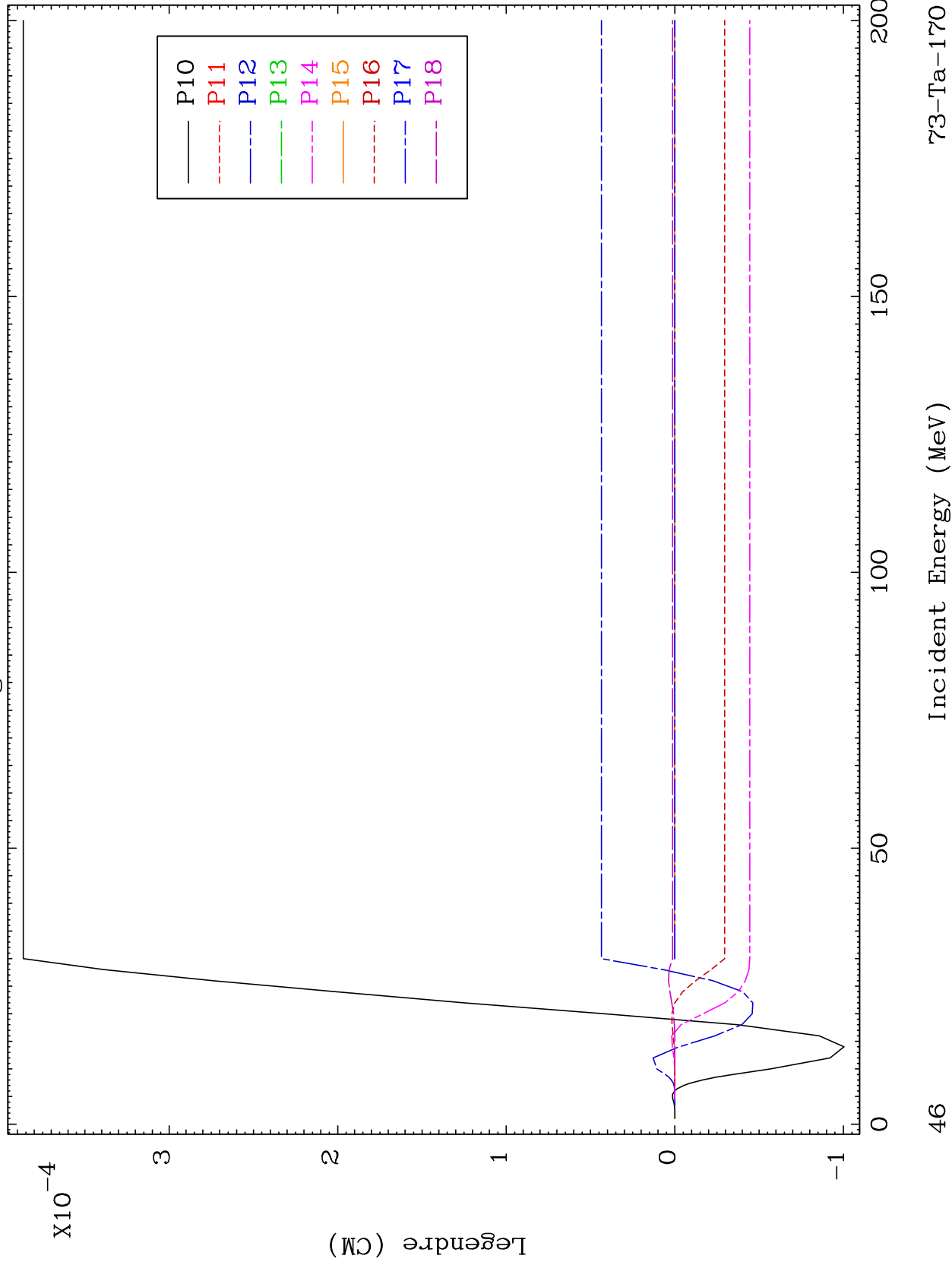




MAT 7295

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

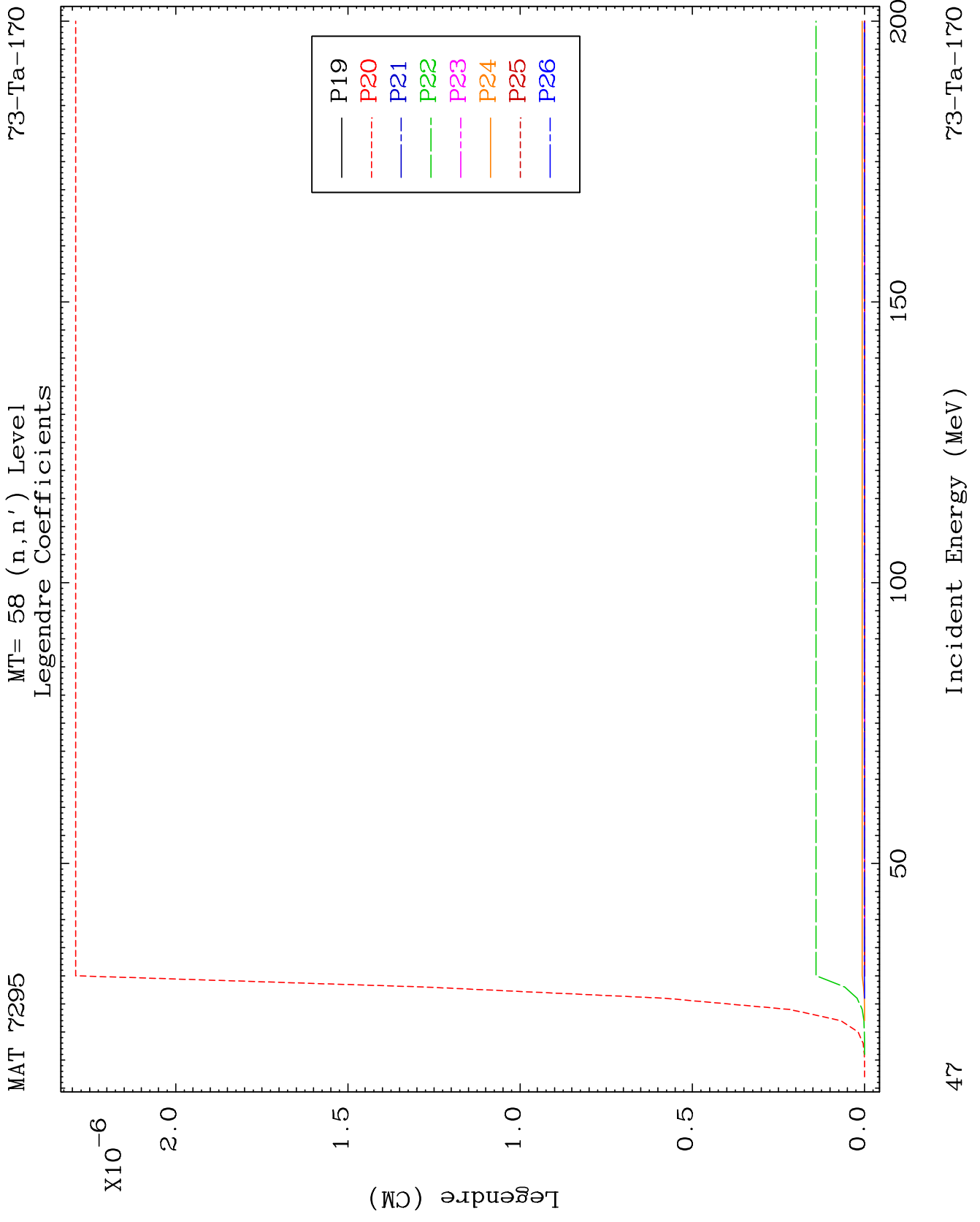
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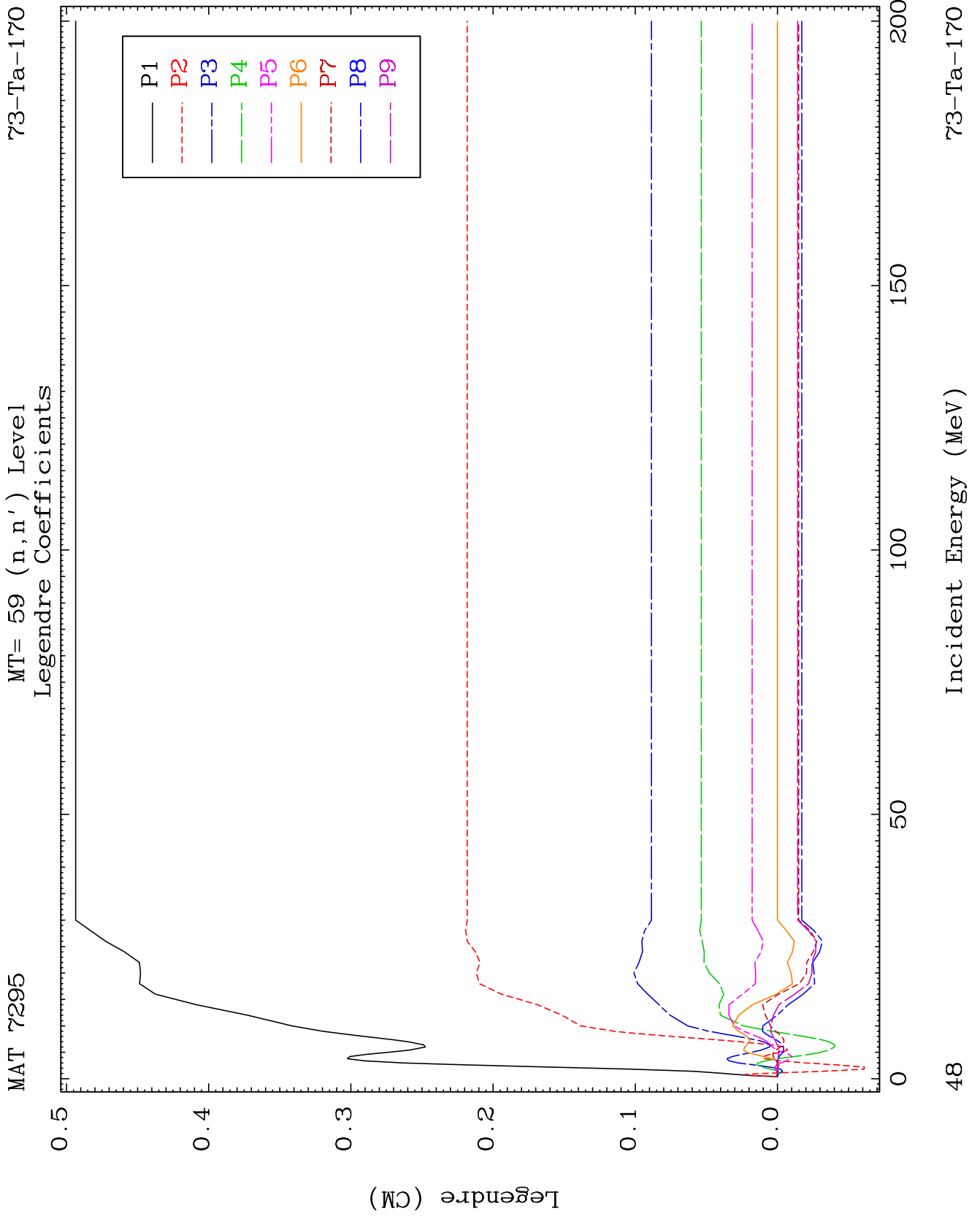
46

Incident Energy (MeV)

73-Ta-170



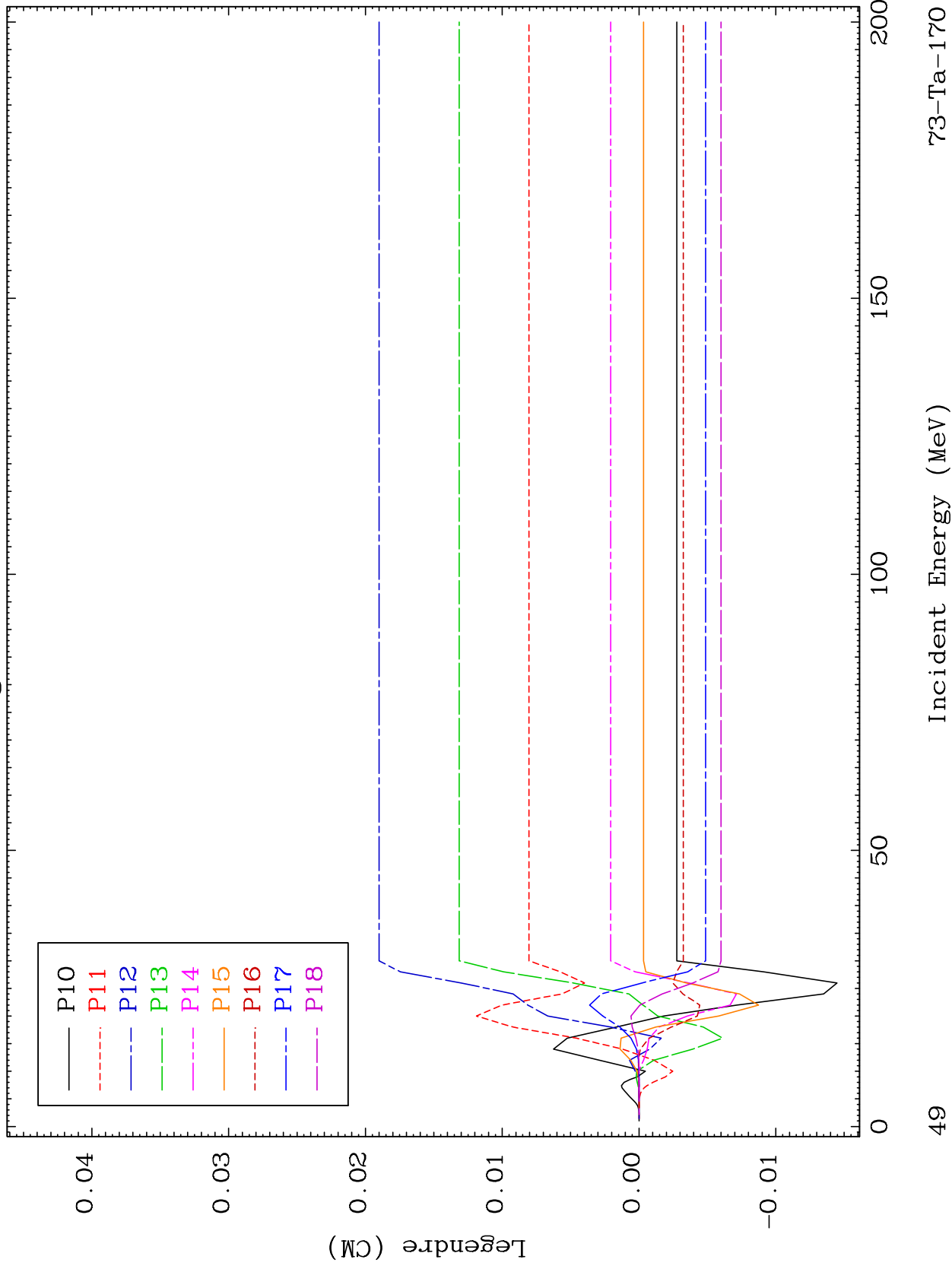




MAT 7295

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

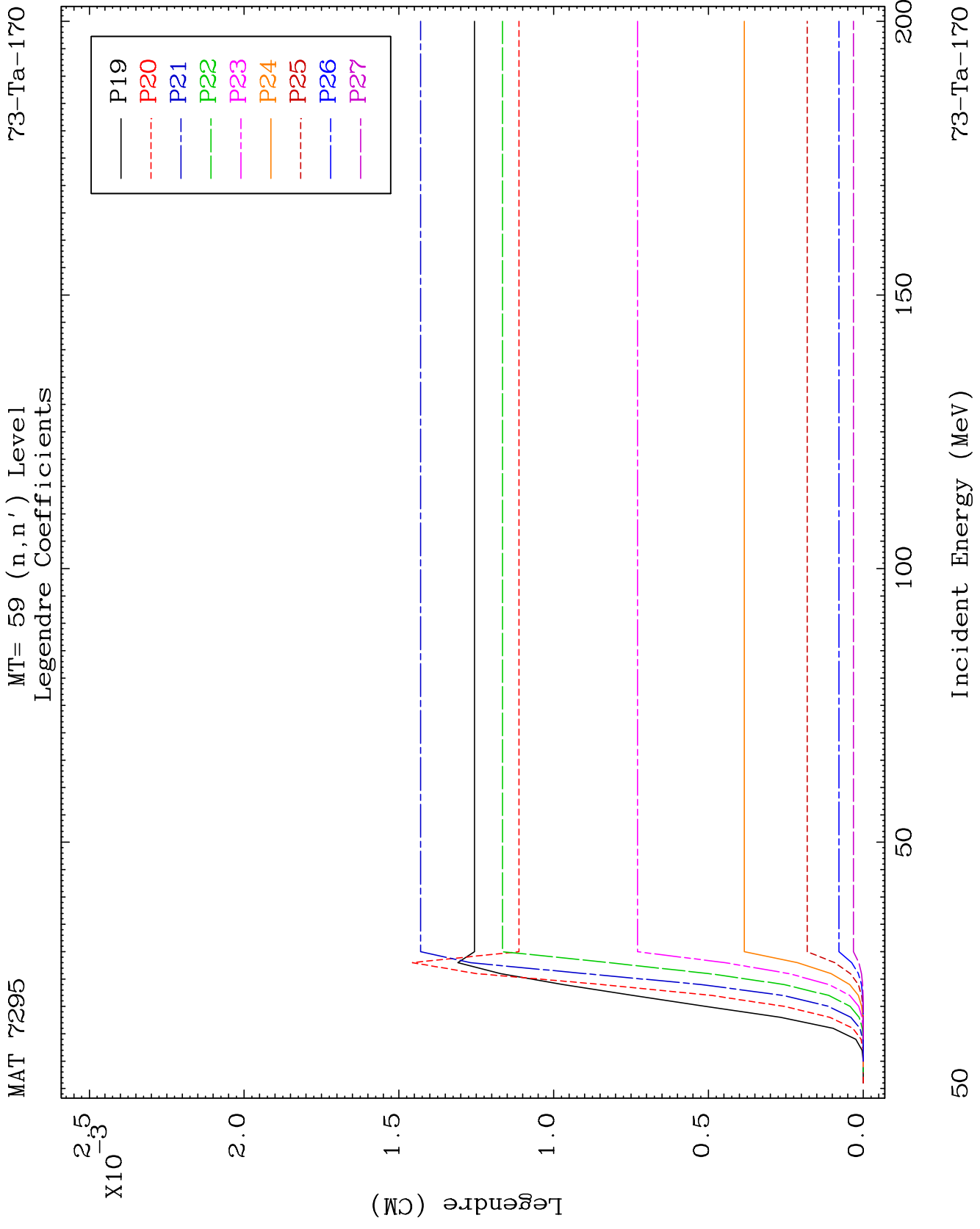
73-Ta-170



49

Incident Energy (MeV)

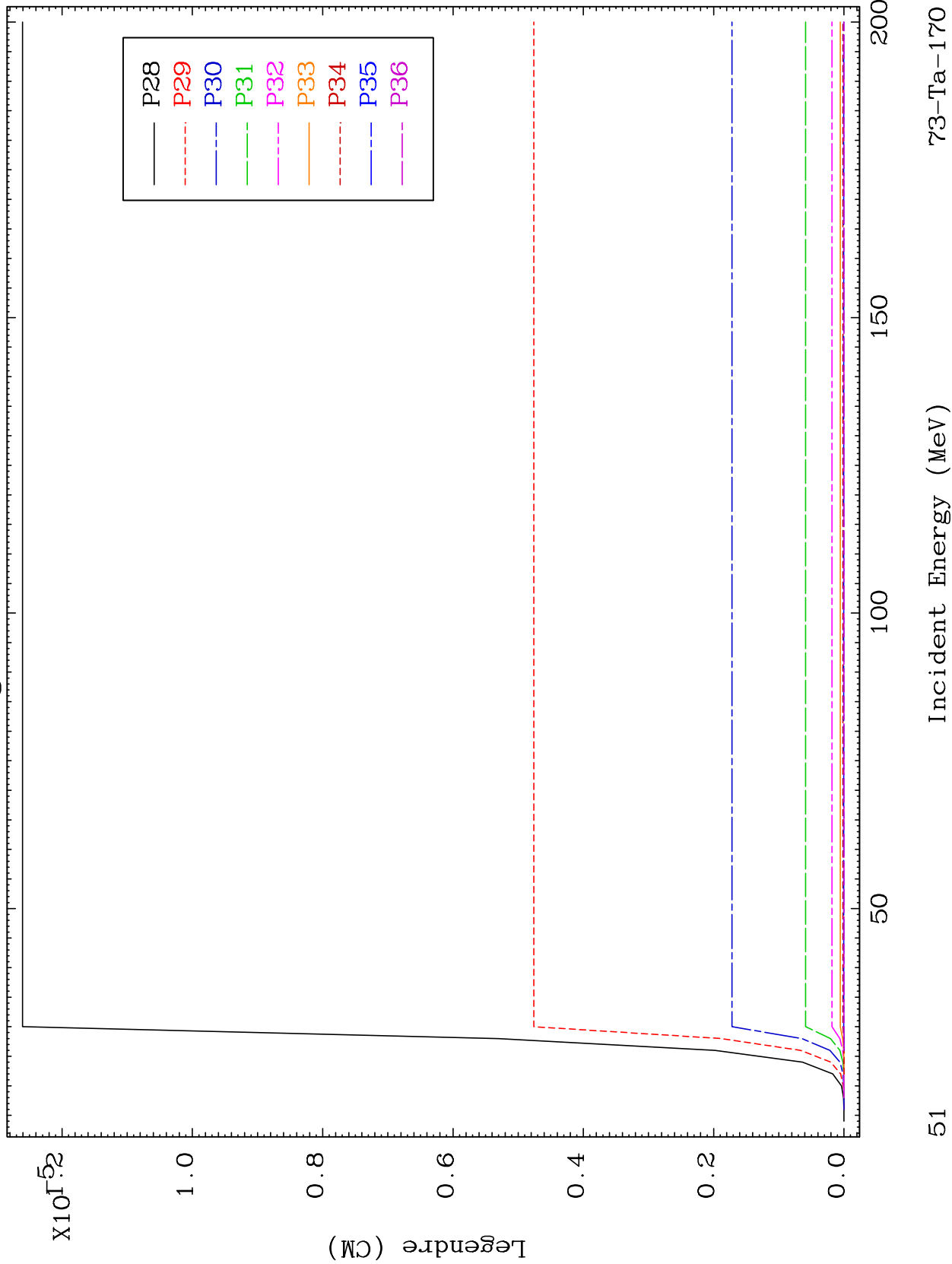
73-Ta-170



MAT 7295

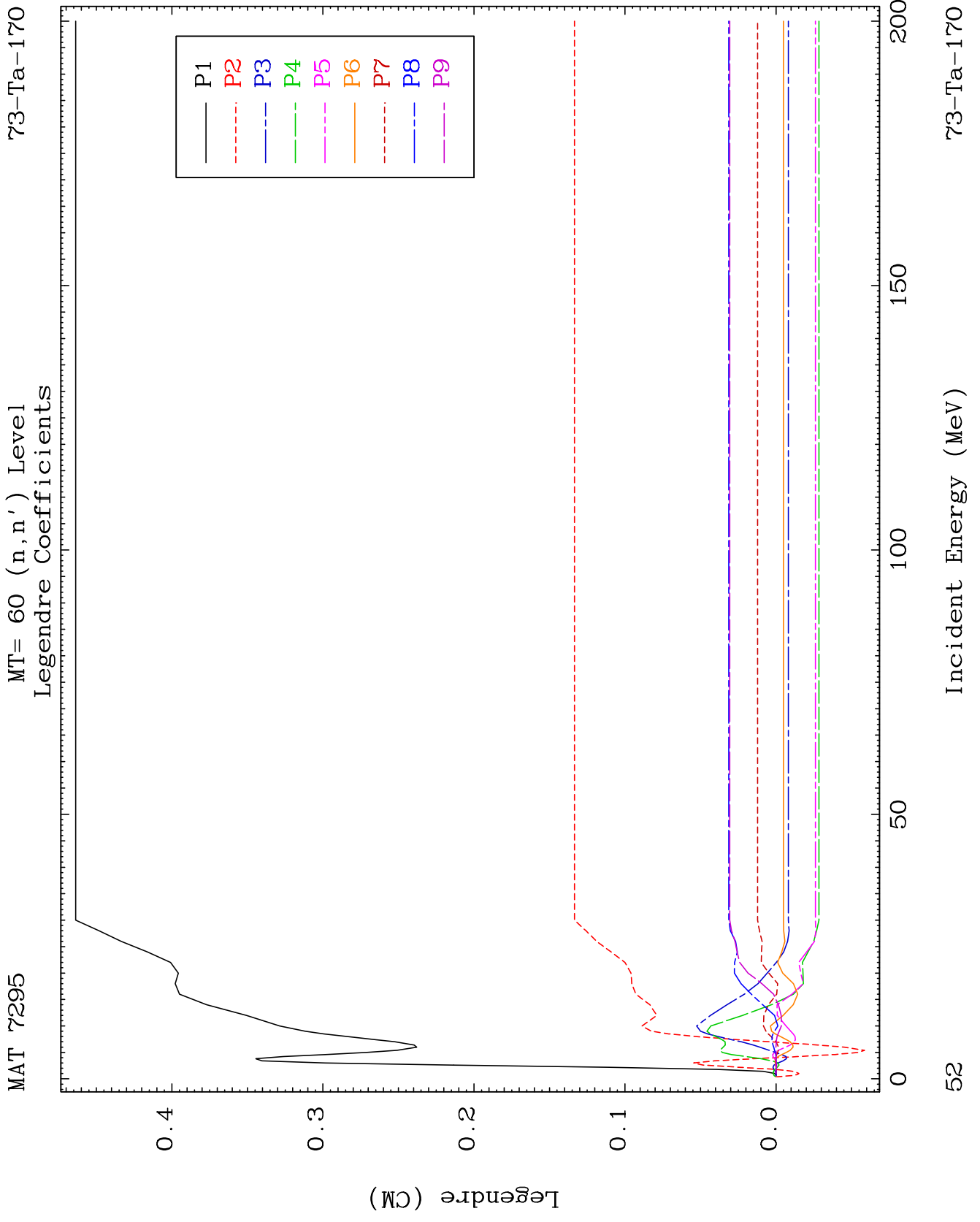
MT= 59 (n,n') Level  
Legendre Coefficients

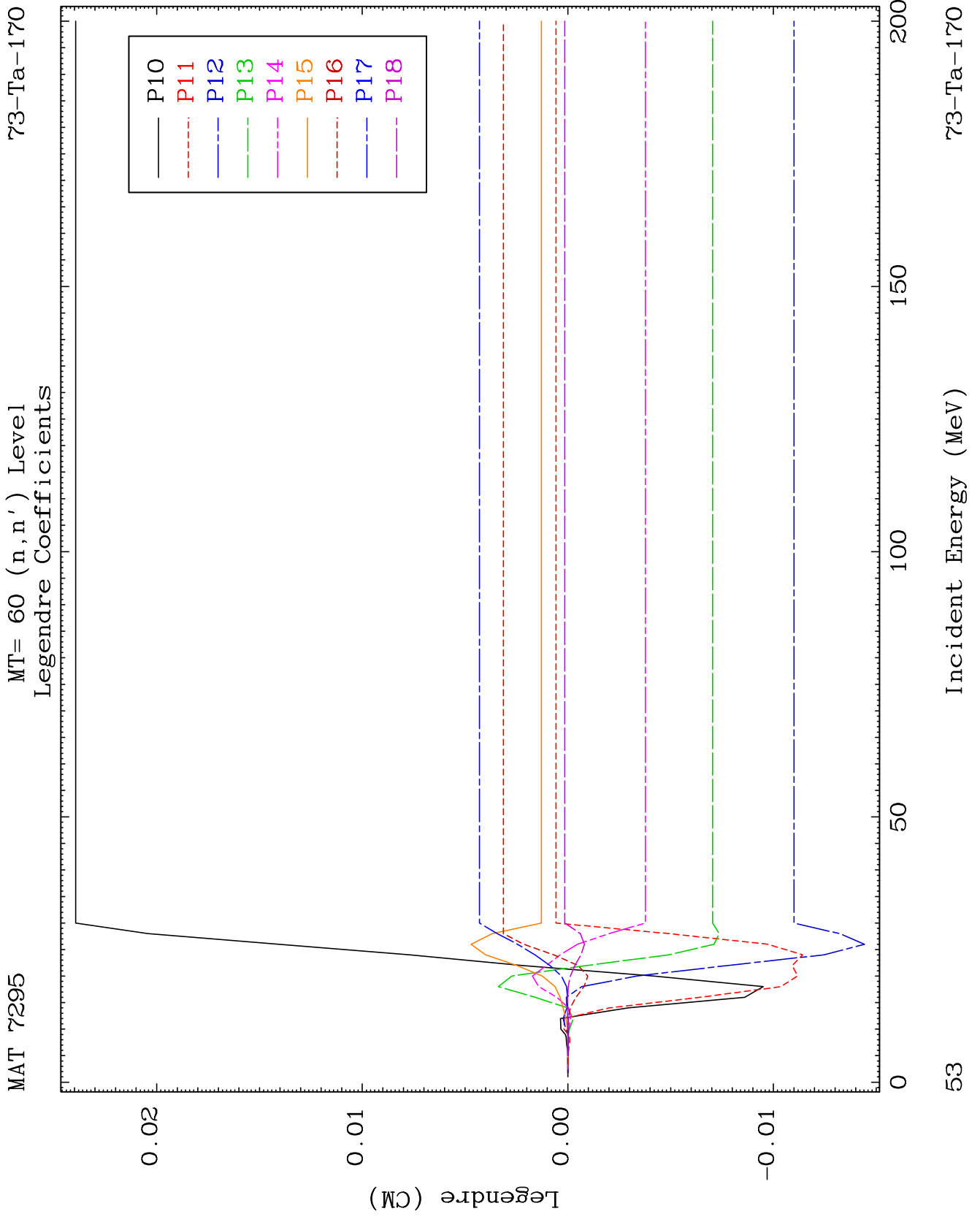
73-Ta-170



51

73-Ta-170

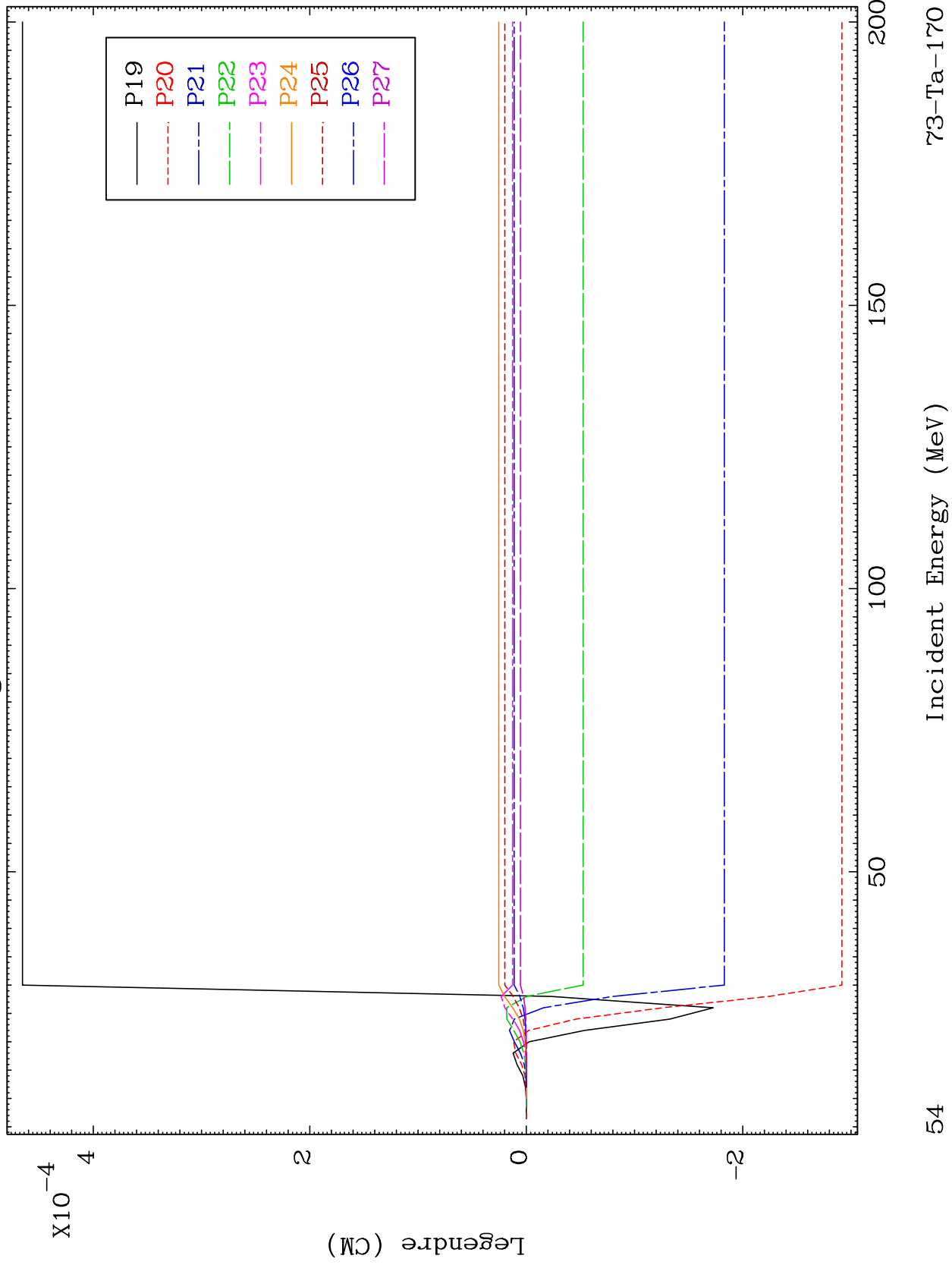




MAT 7295

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

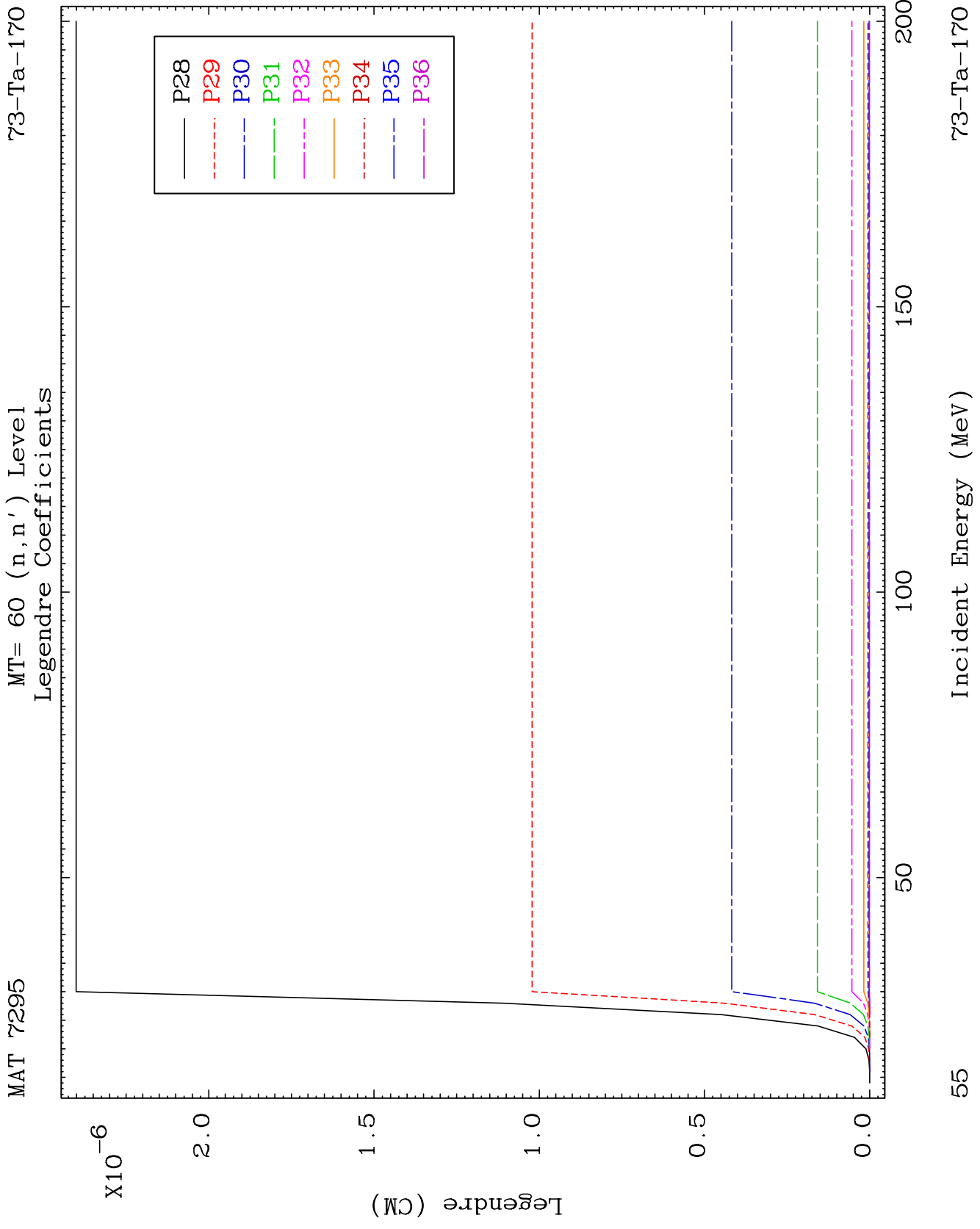
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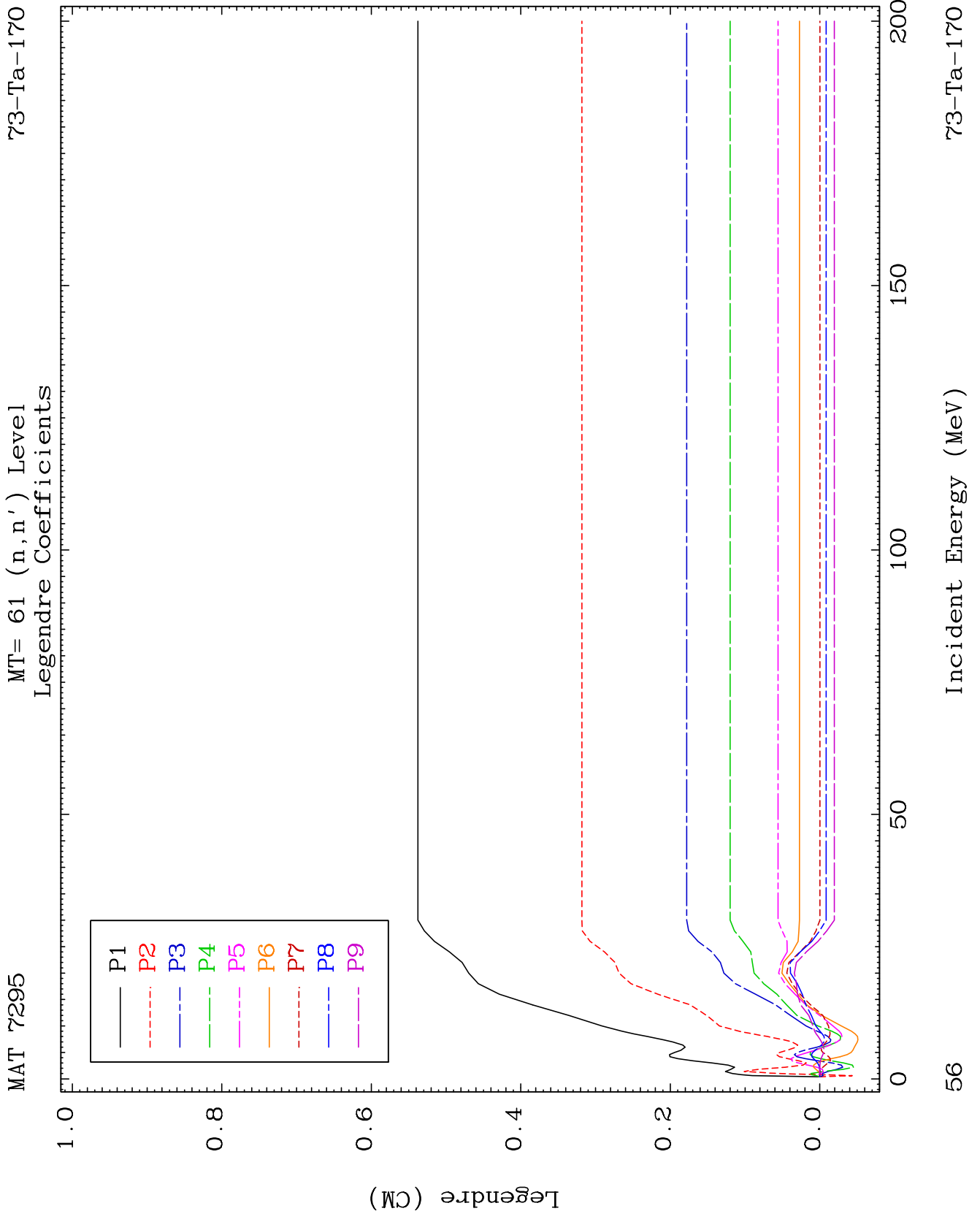
54

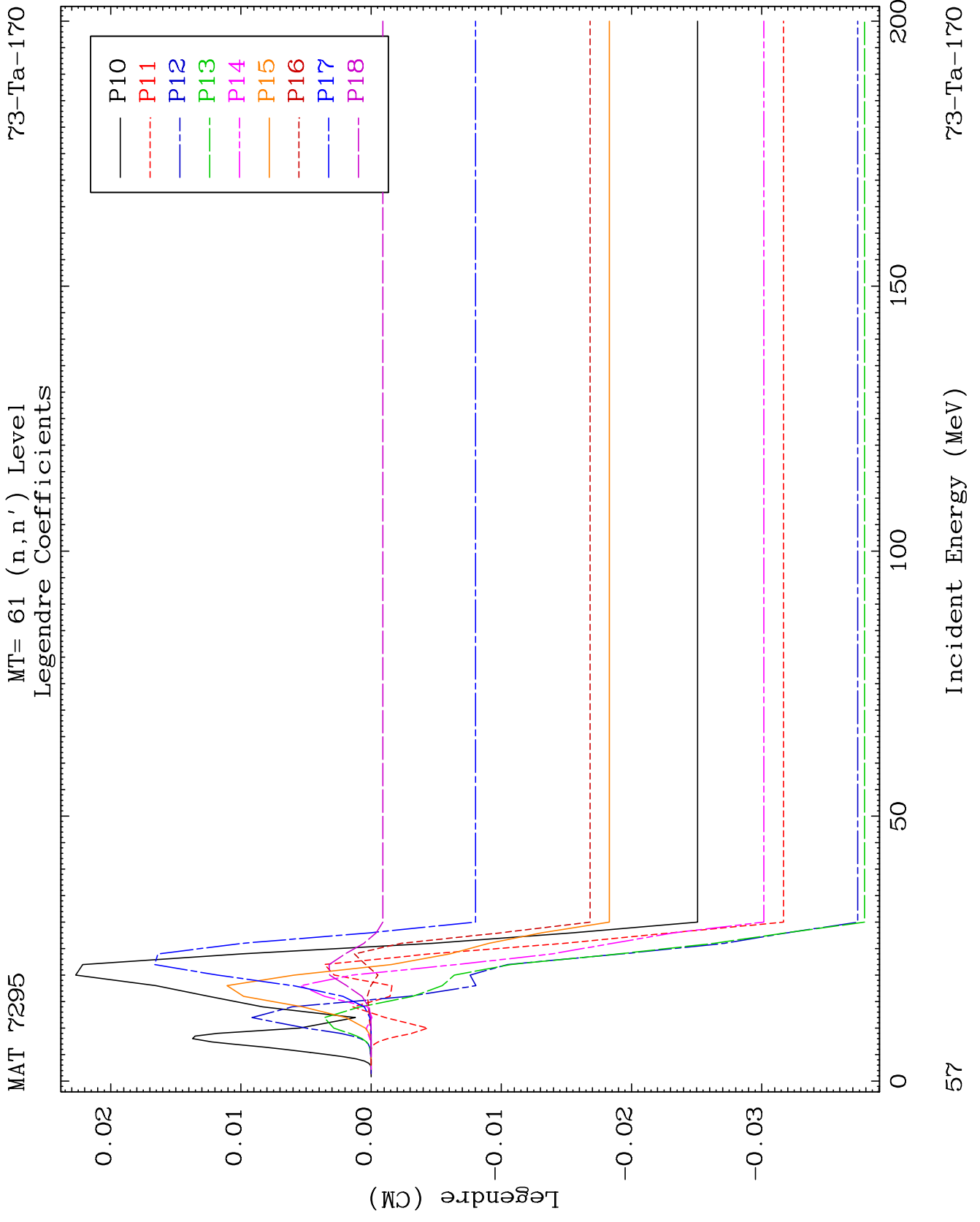
Incident Energy (MeV)

73-Ta-170





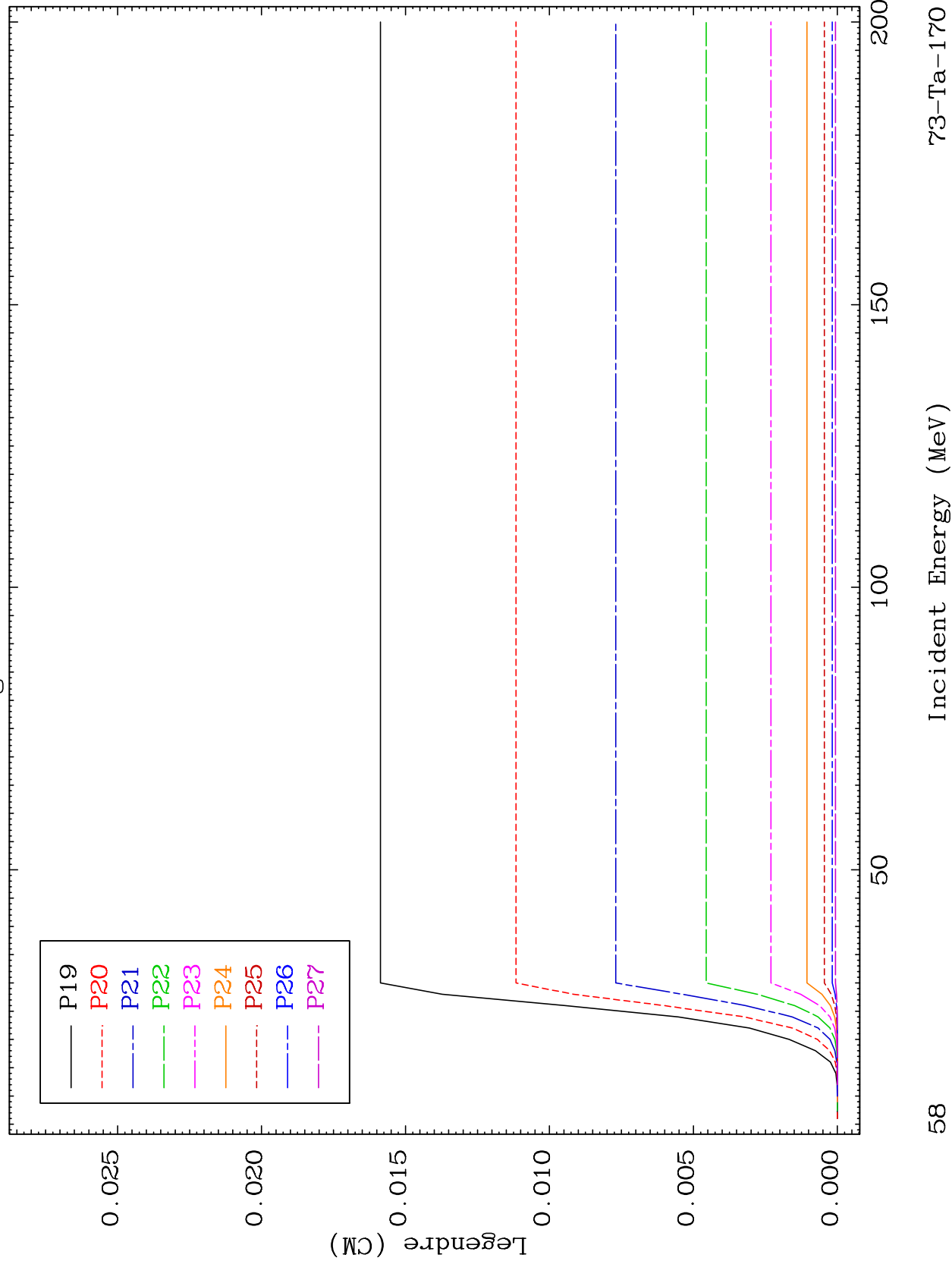




MAT 7295

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

73-Ta-170



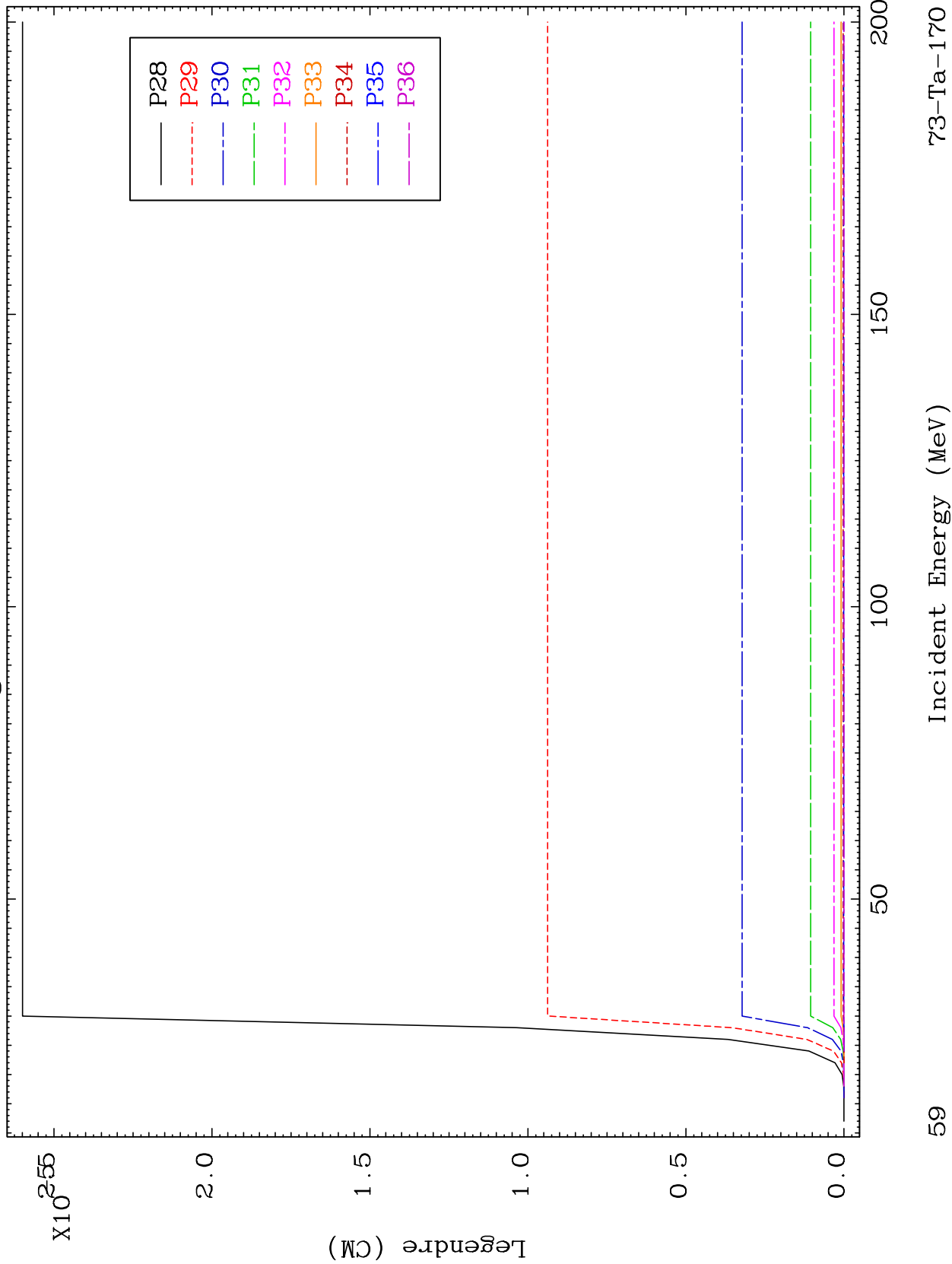
58

73-Ta-170

MAT 7295

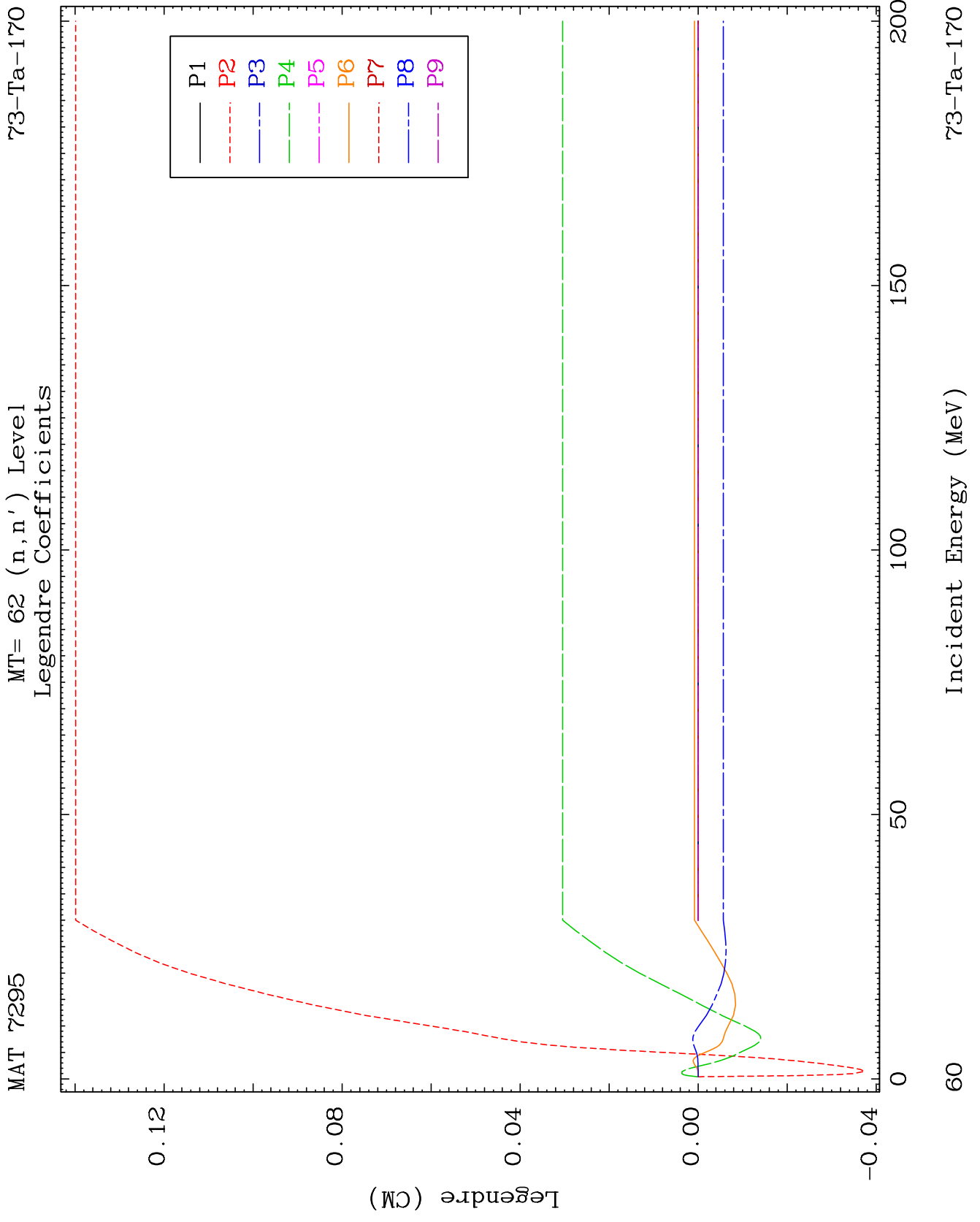
MT= 61 (n,n') Level  
Legendre Coefficients

73-Ta-170



59

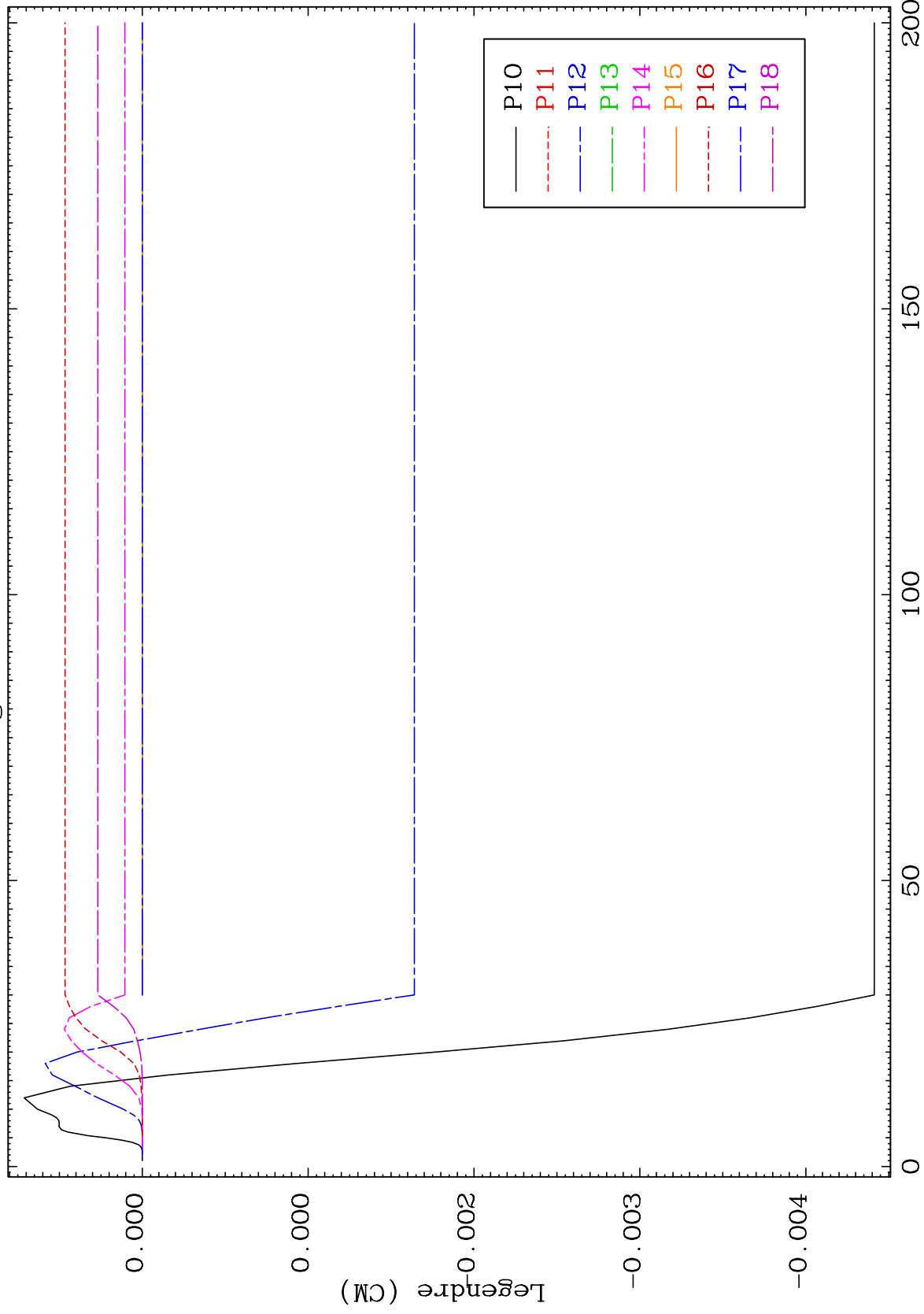
73-Ta-170



MAT 7295

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

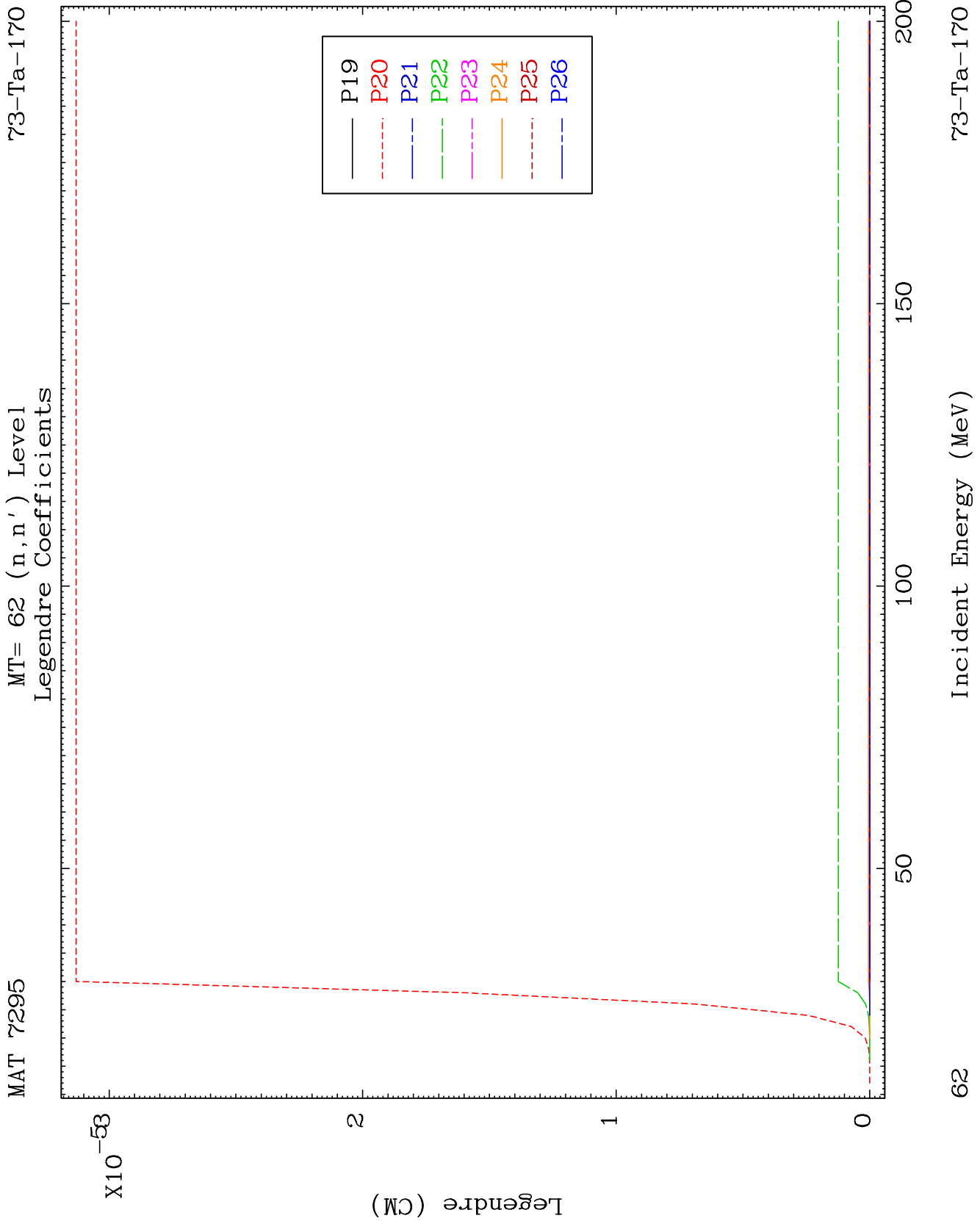
73-Ta-170

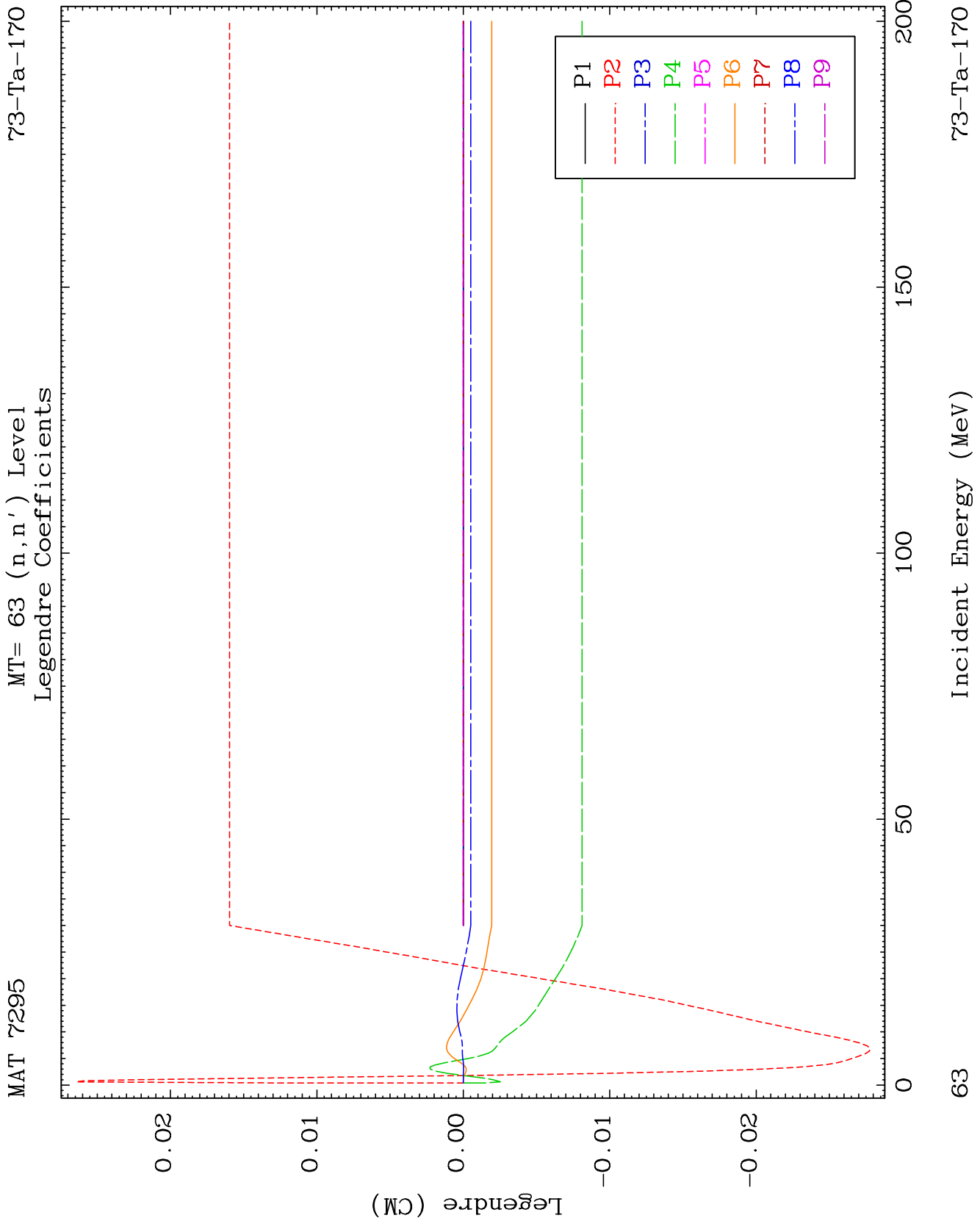


61

Incident Energy (MeV)

73-Ta-170



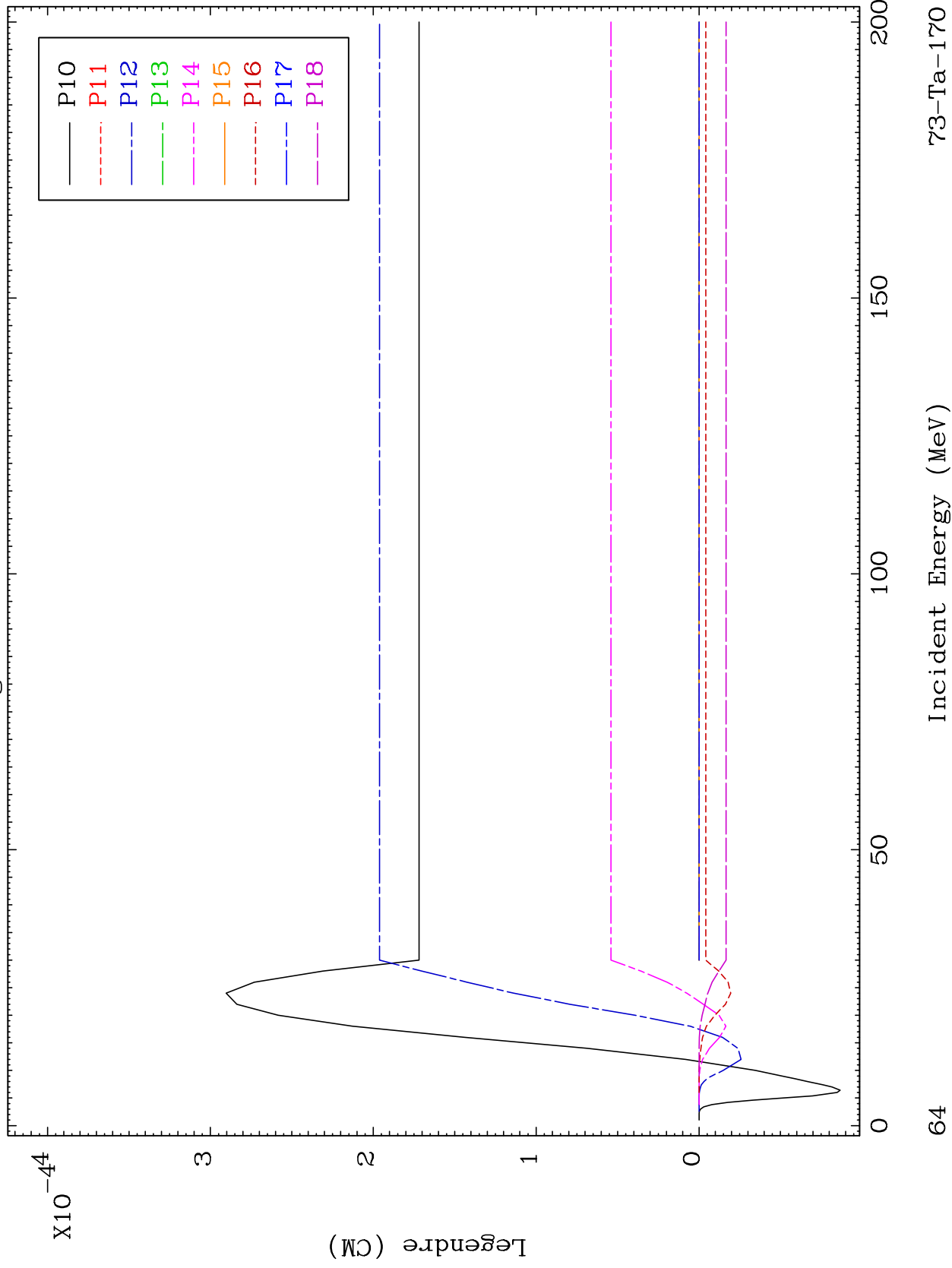


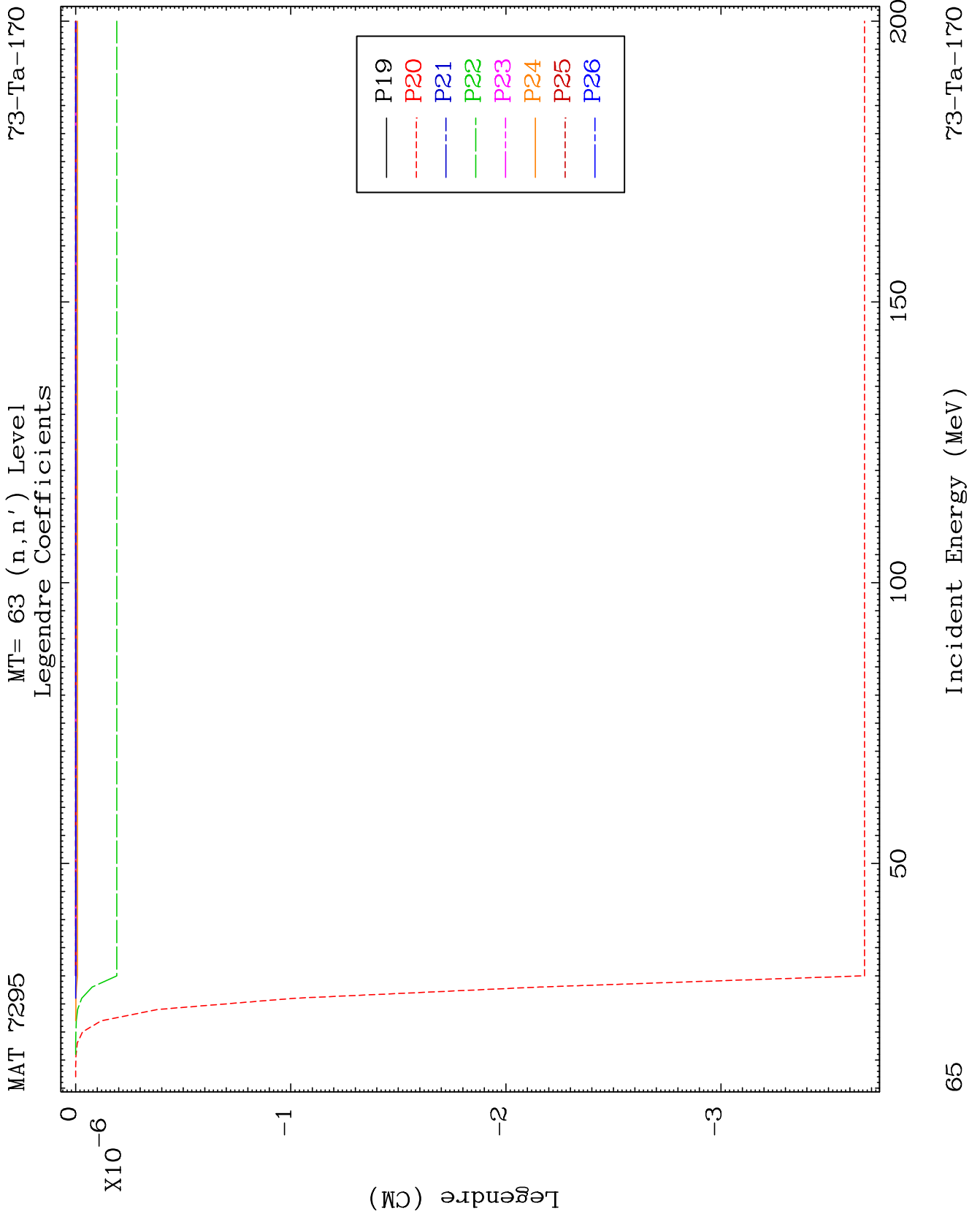


MAT 7295

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

73-Ta-170

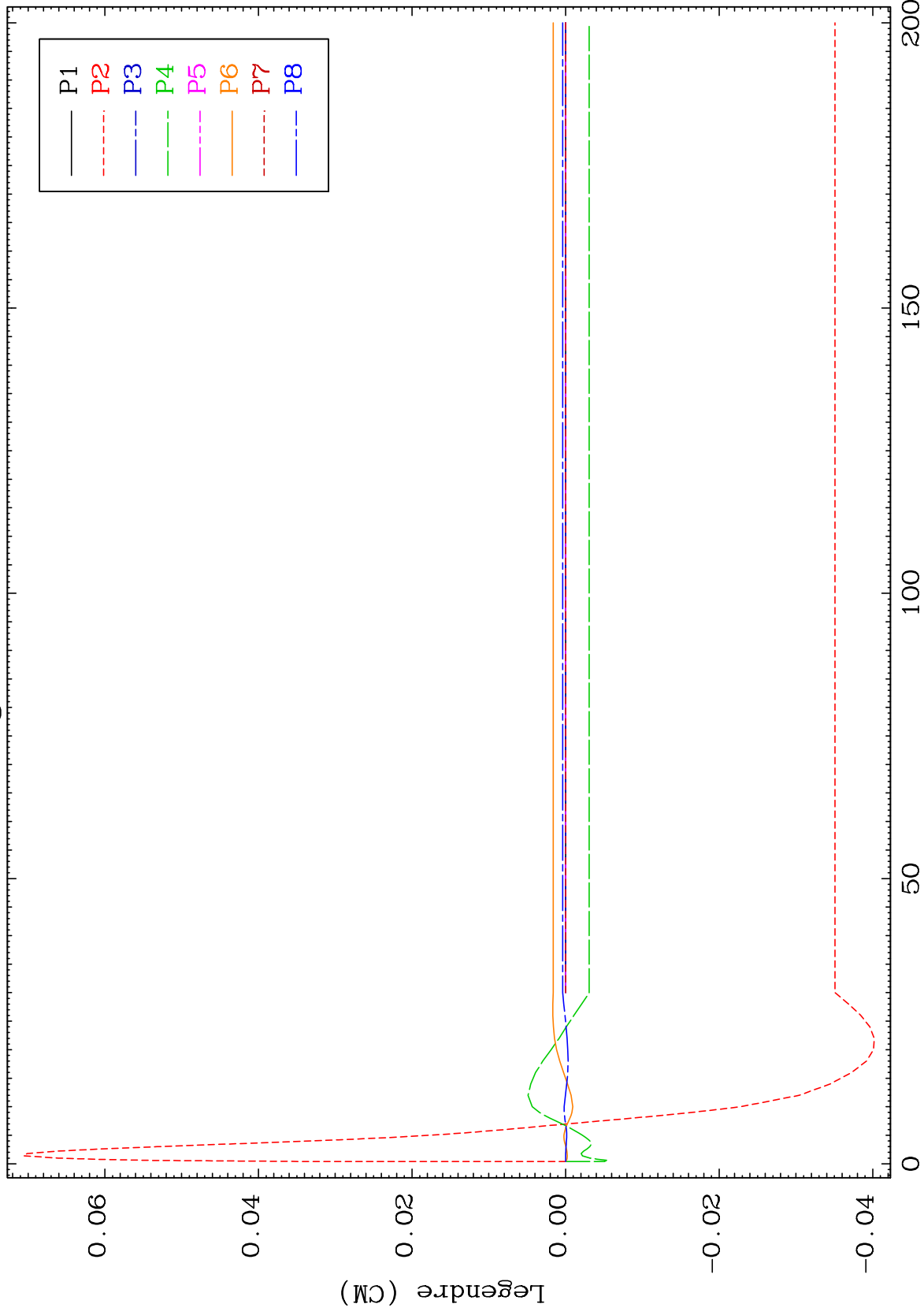




MAT 7295

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

73-Ta-170



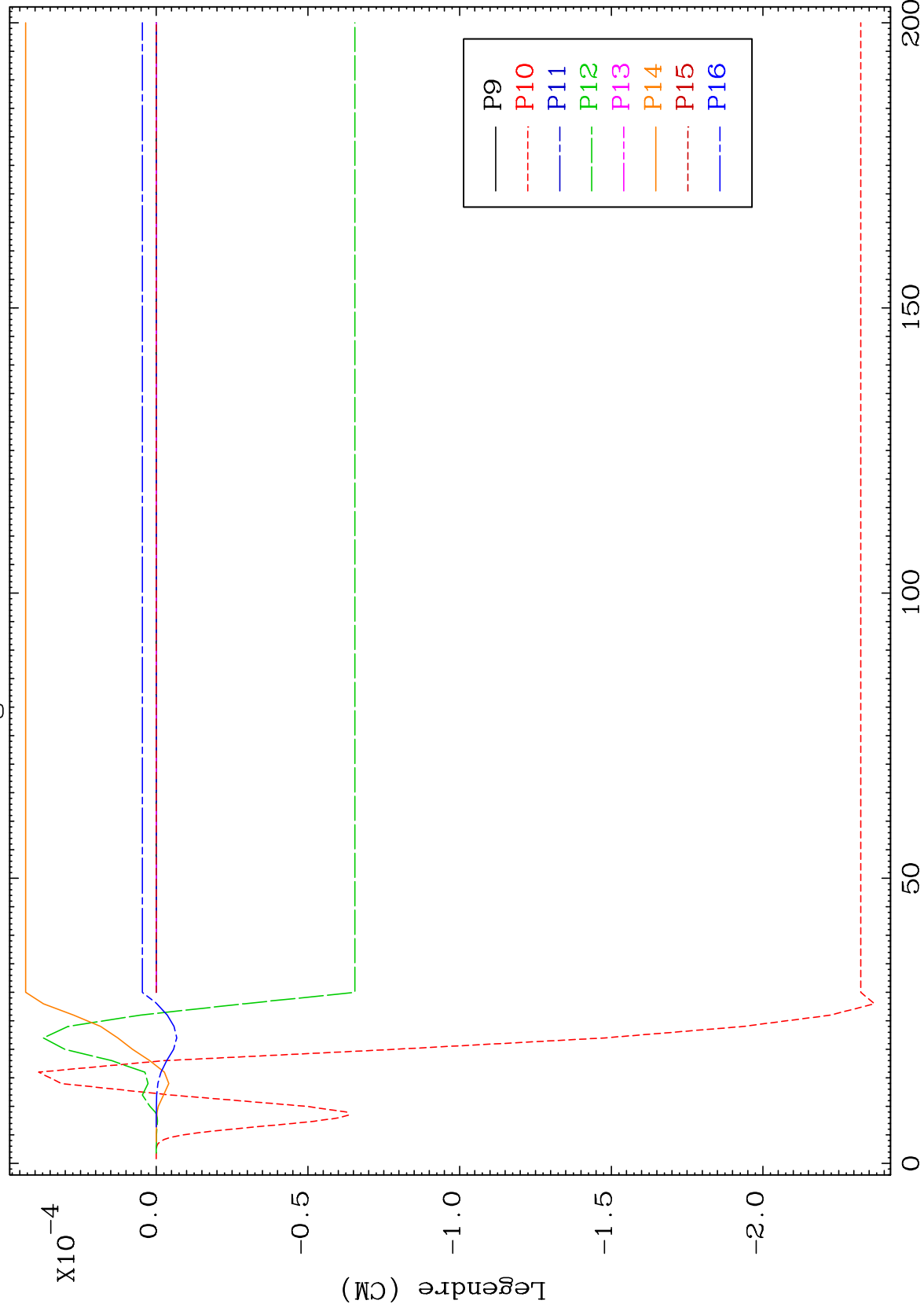
66

73-Ta-170

MAT 7295

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

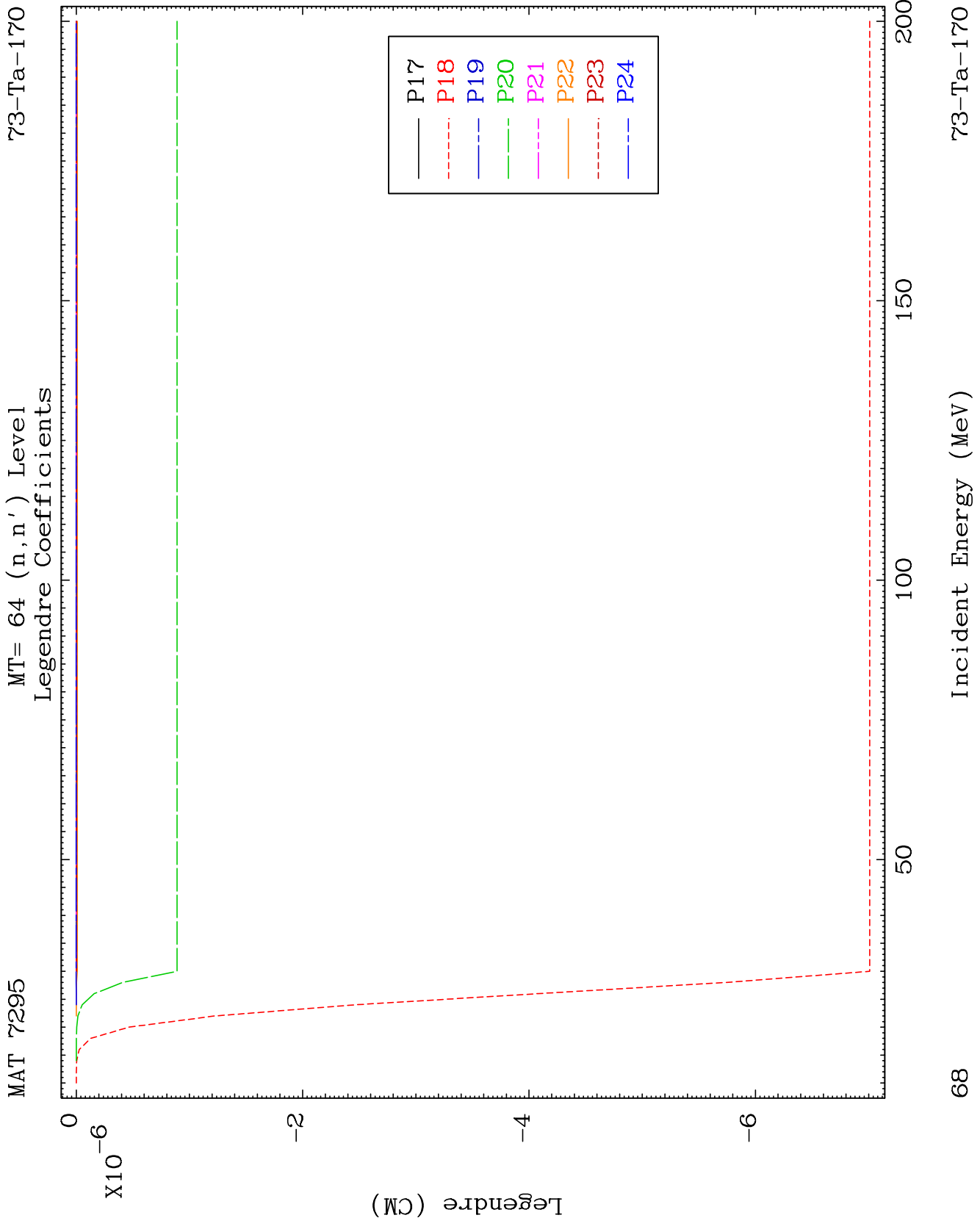
73-Ta-170



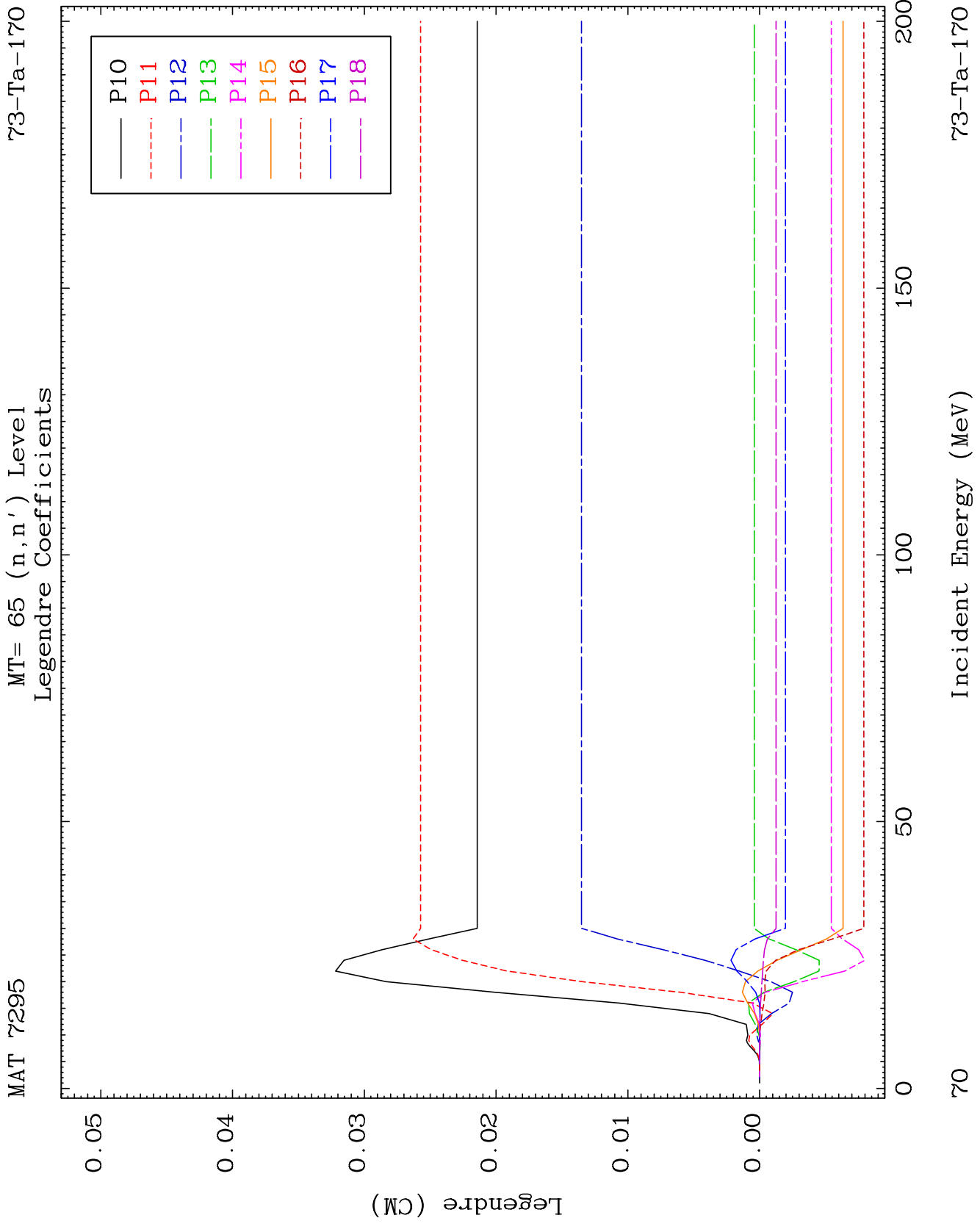
67

Incident Energy (MeV)

73-Ta-170



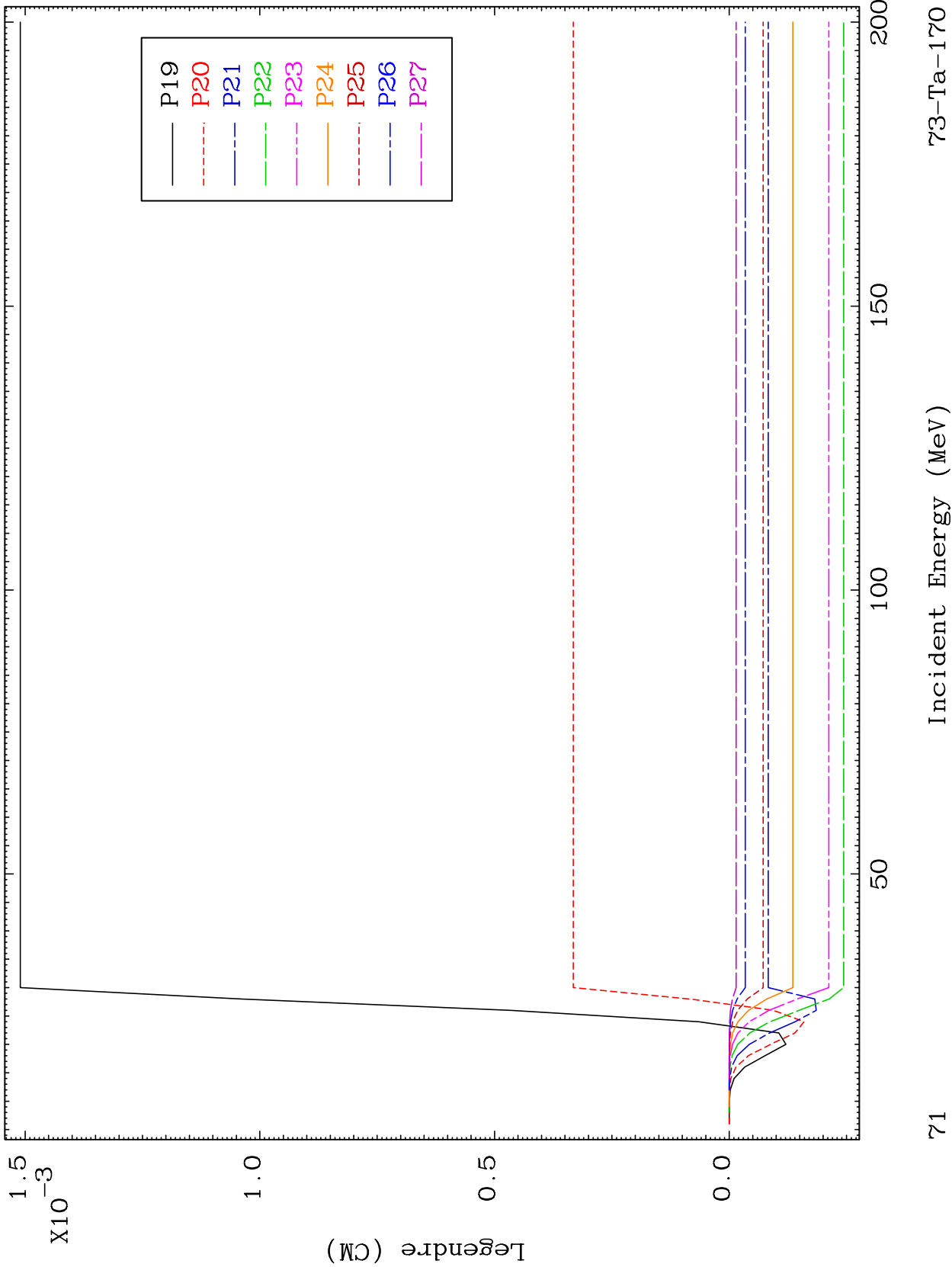




MAT 7295

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

73-Ta-170

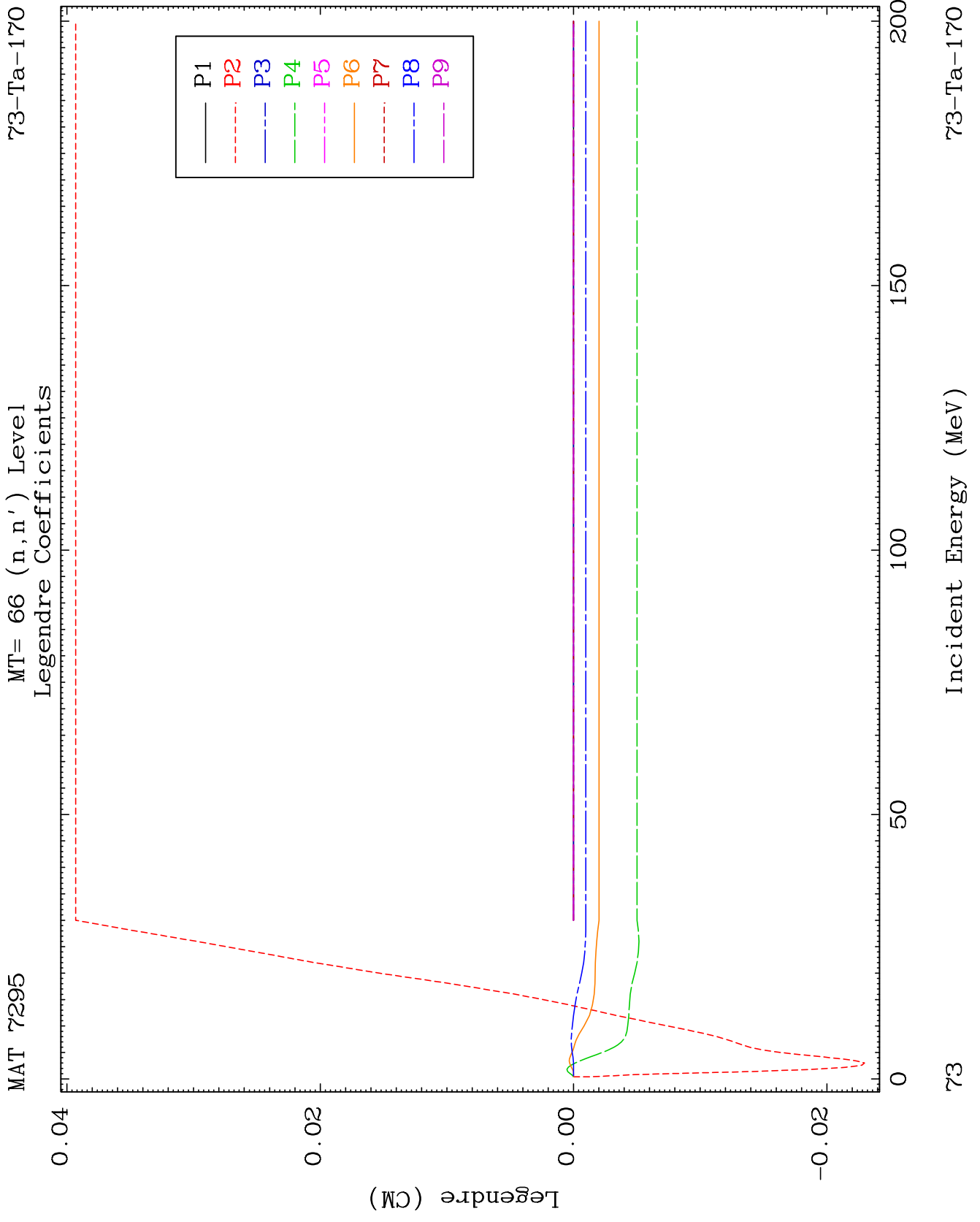


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73-Ta-170



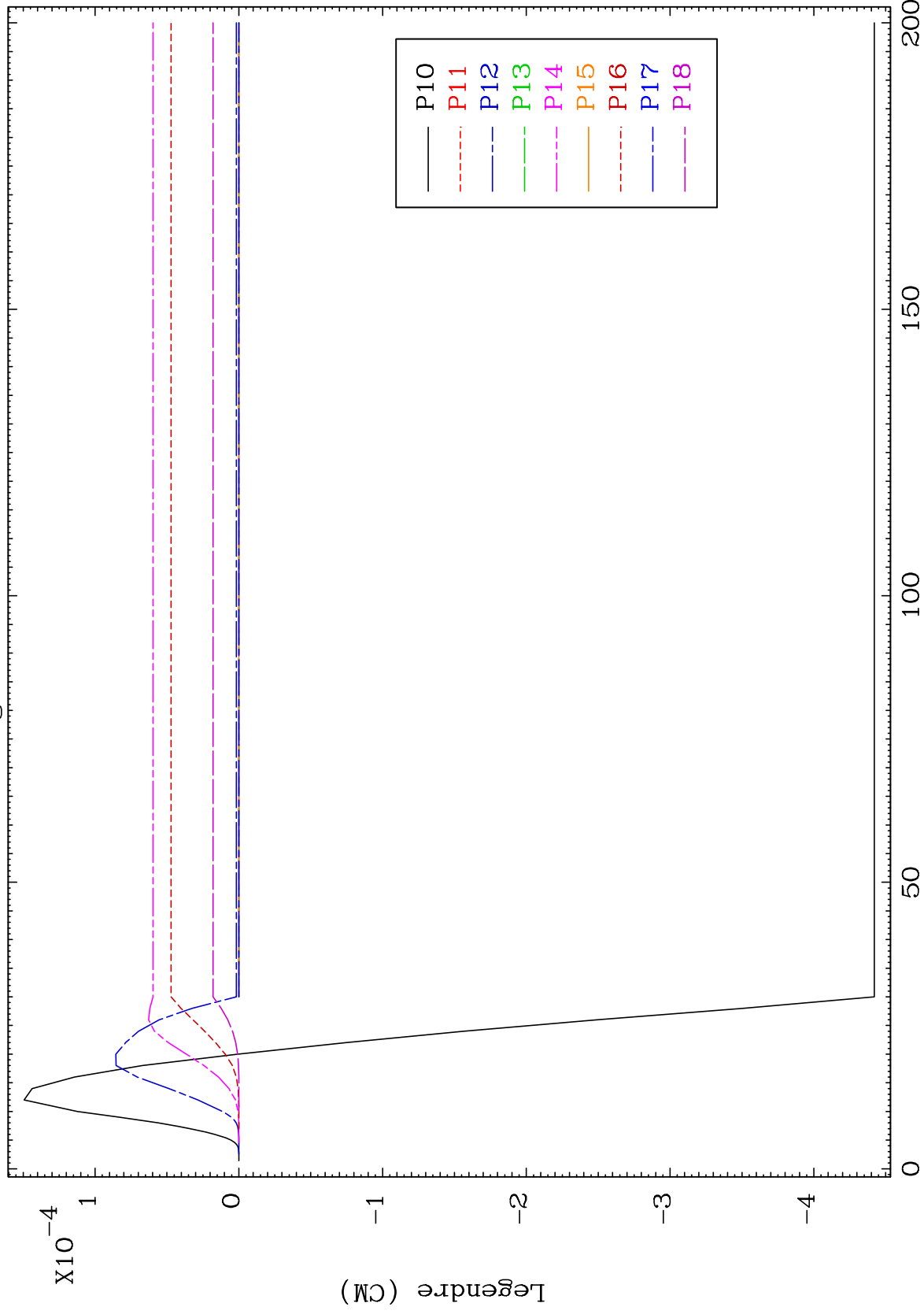




MAT 7295

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

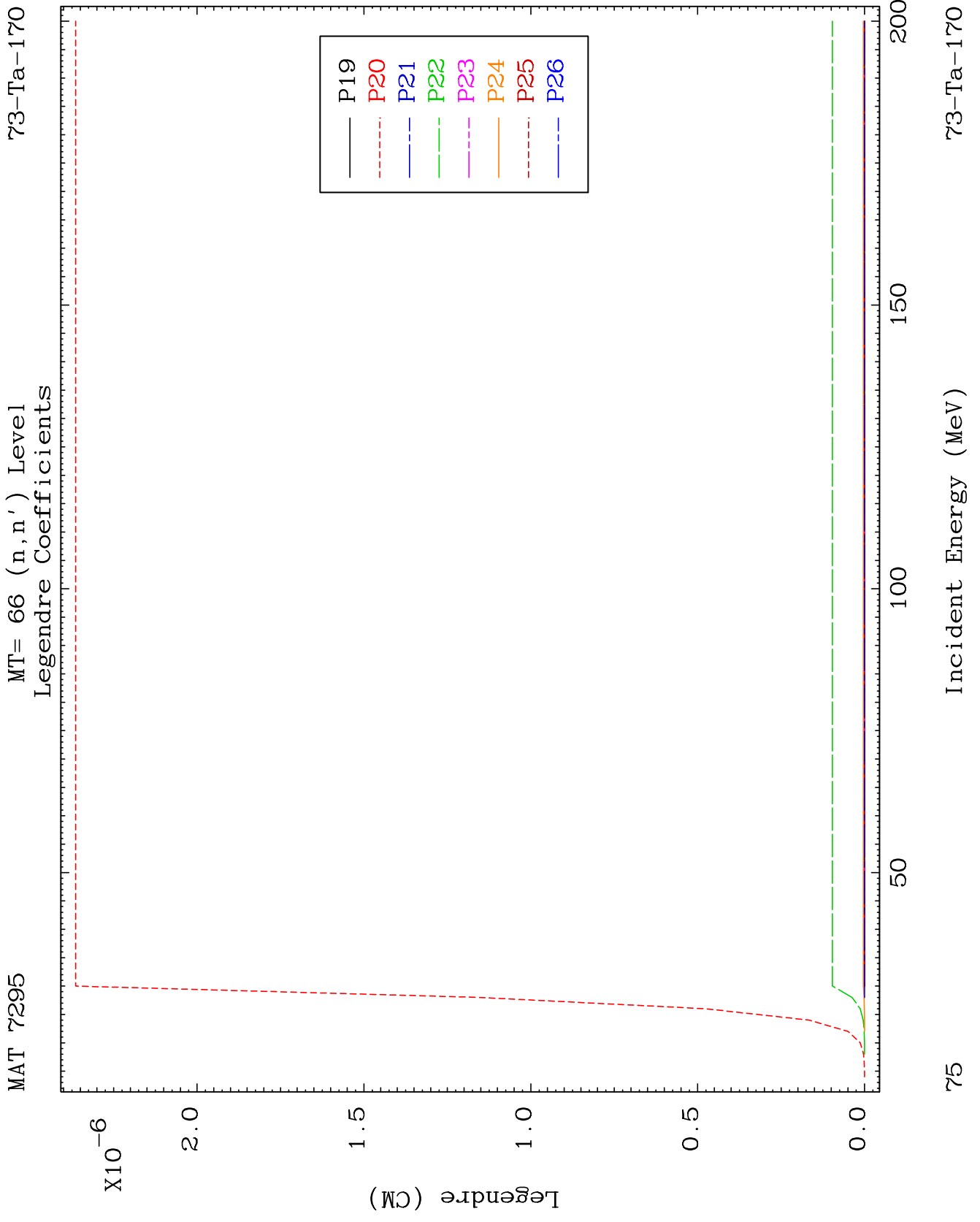
73-Ta-170



74

Incident Energy (MeV)

73-Ta-170

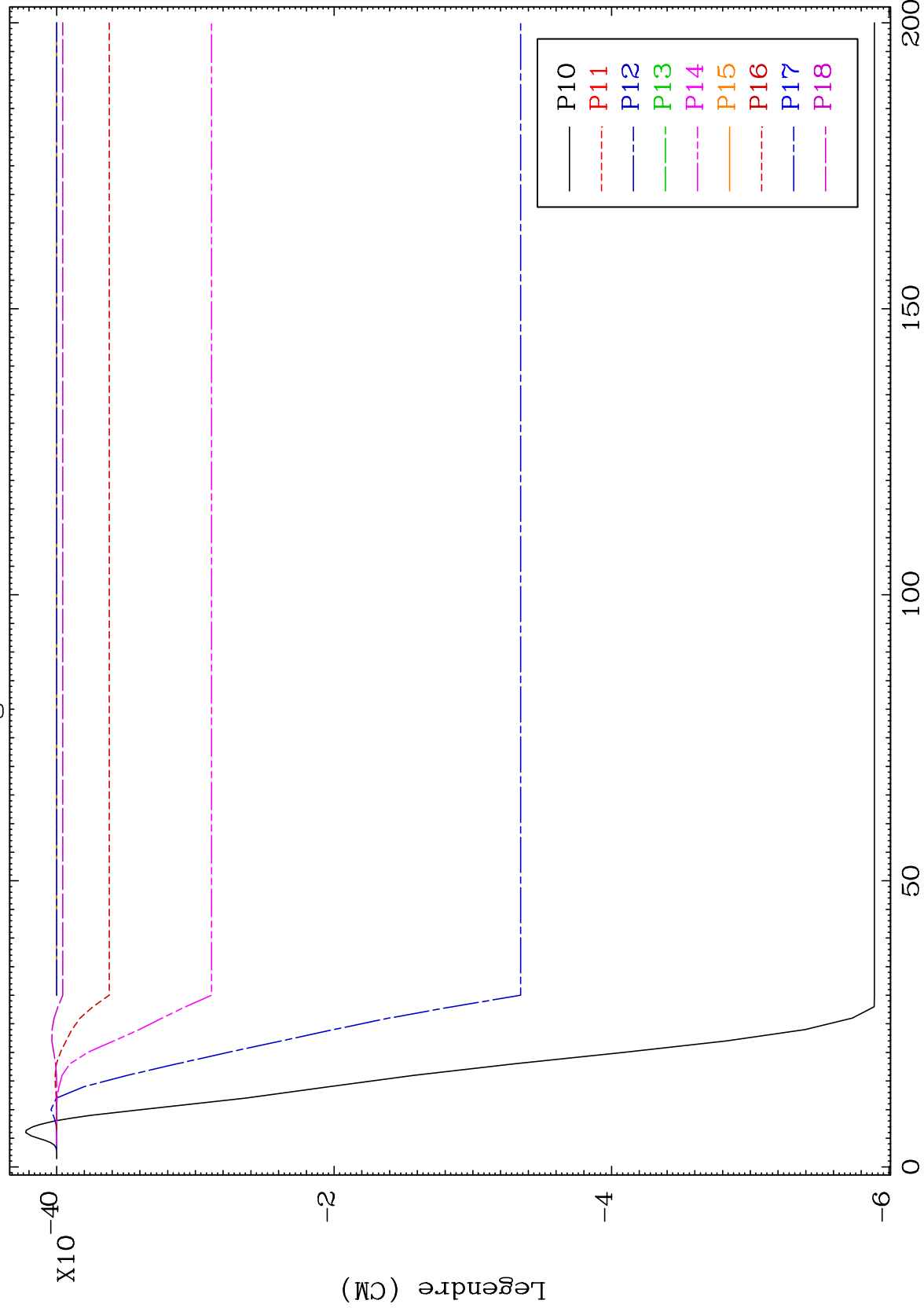




MAT 7295

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

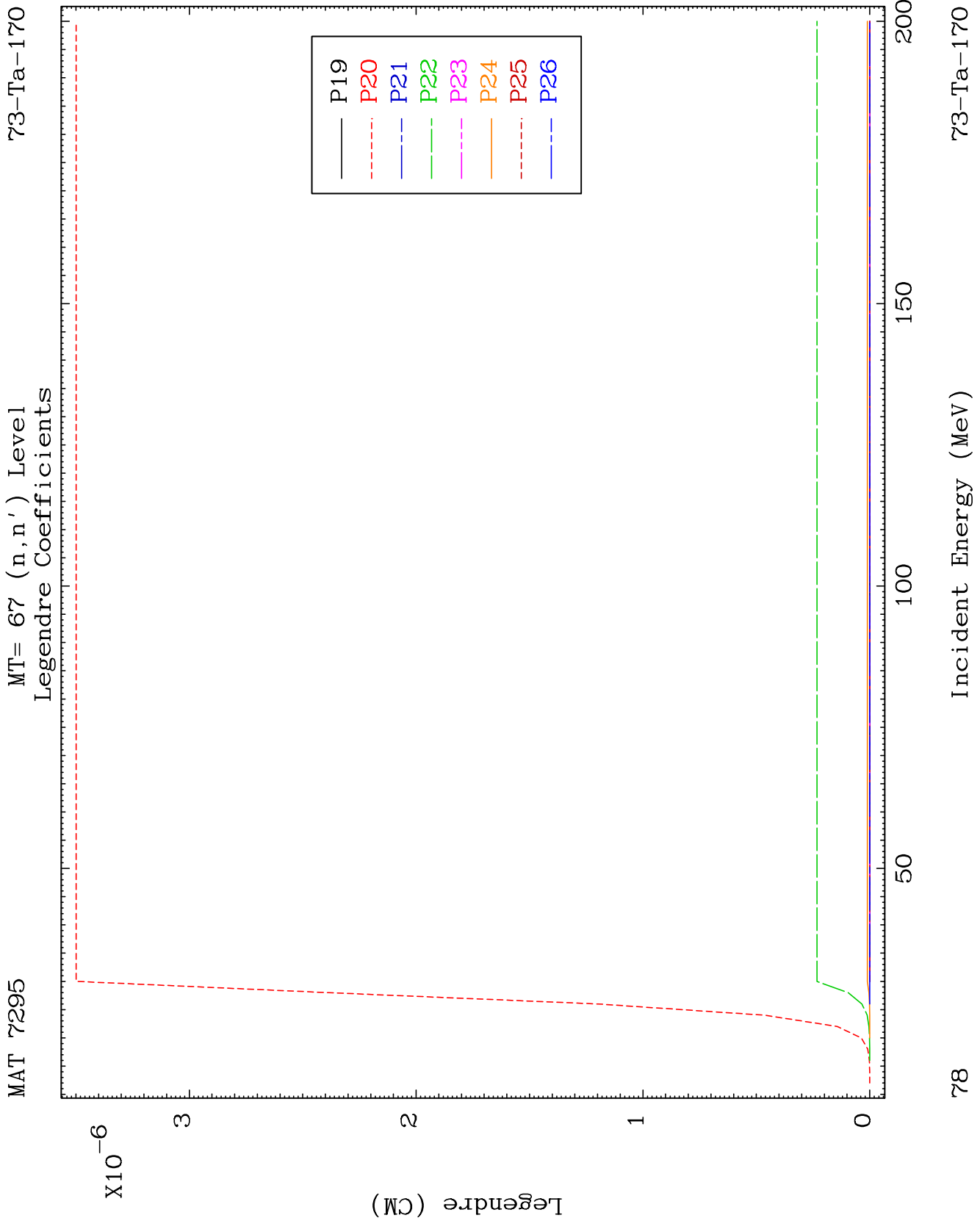
73-Ta-170



77

Incident Energy (MeV)

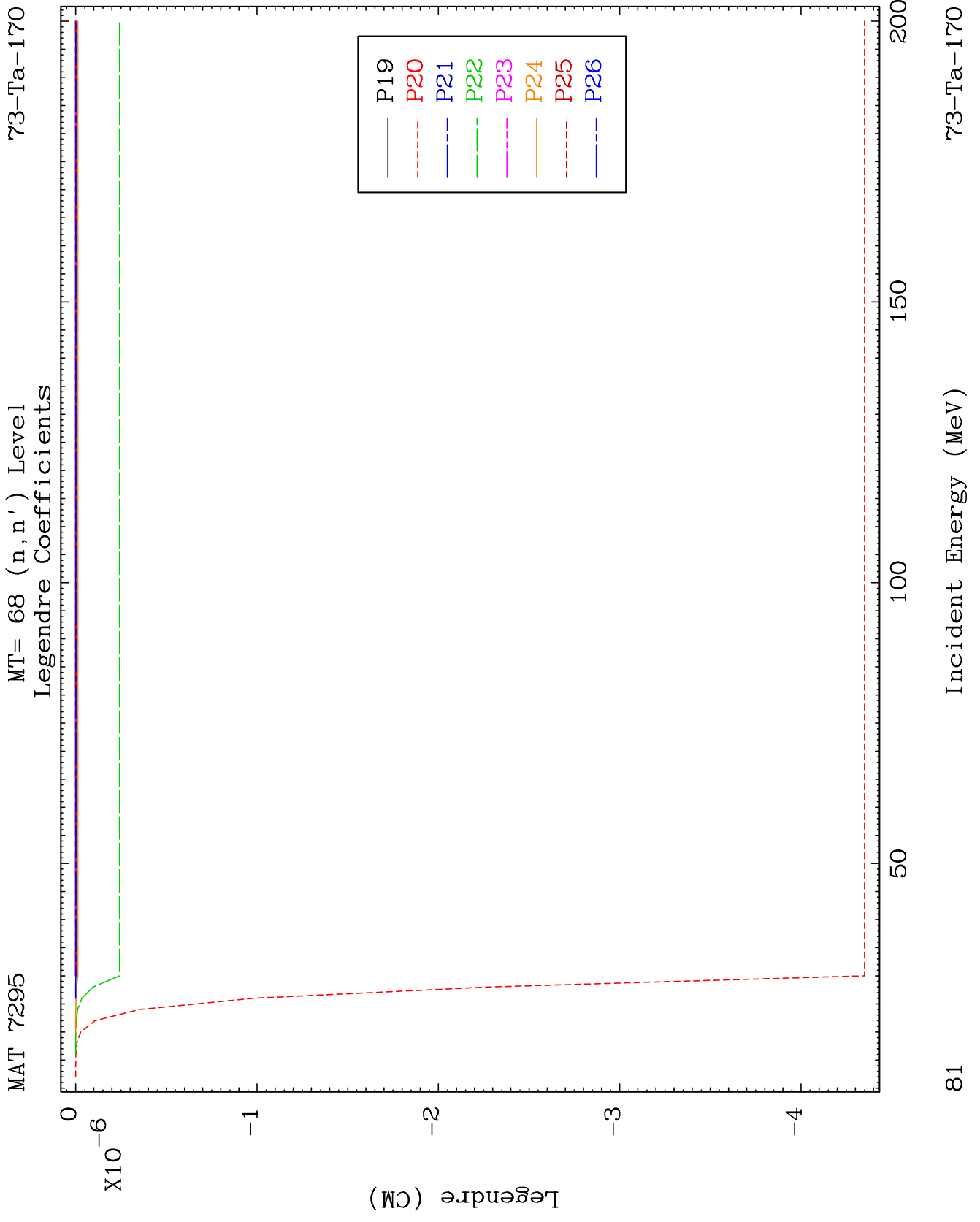
73-Ta-170

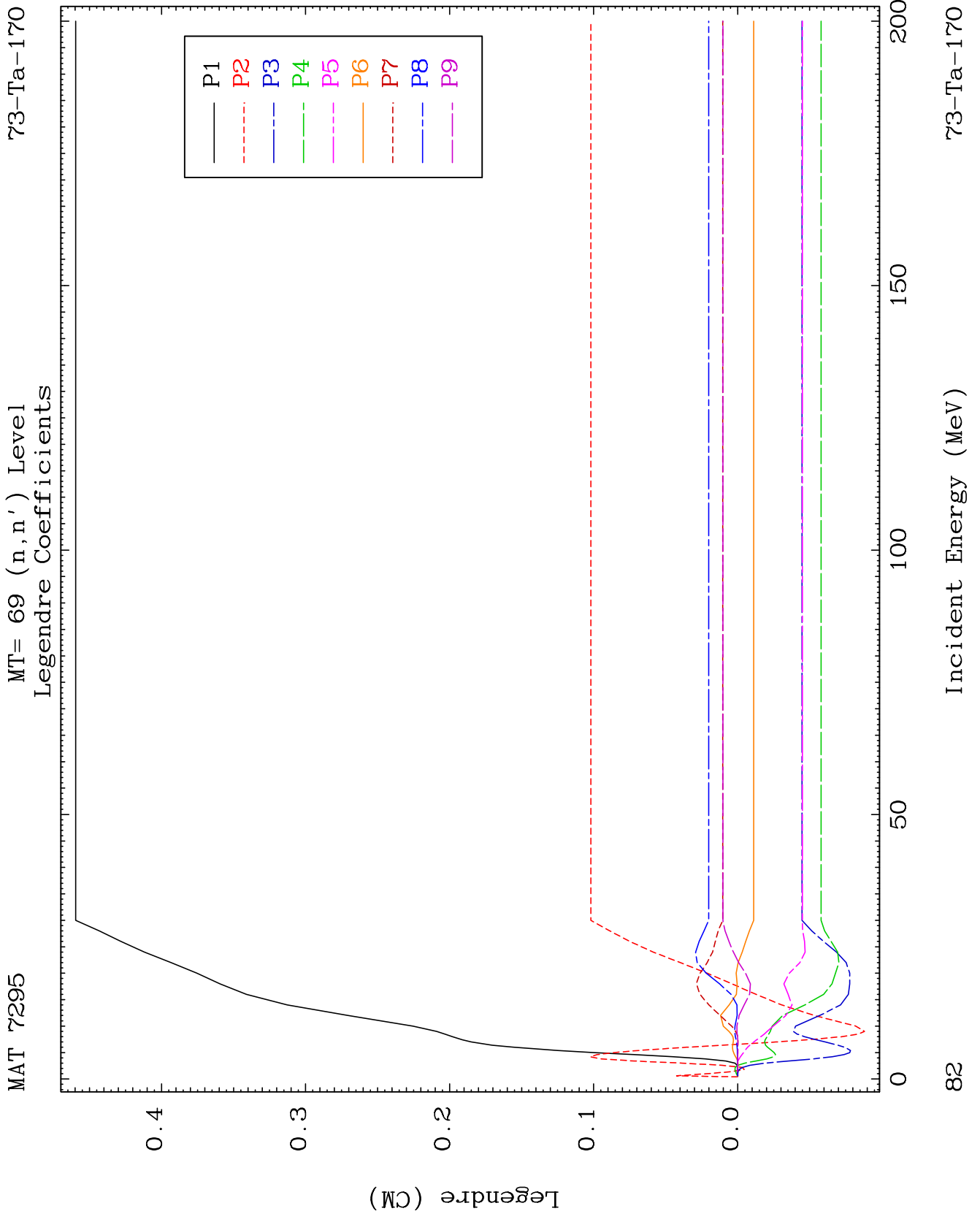








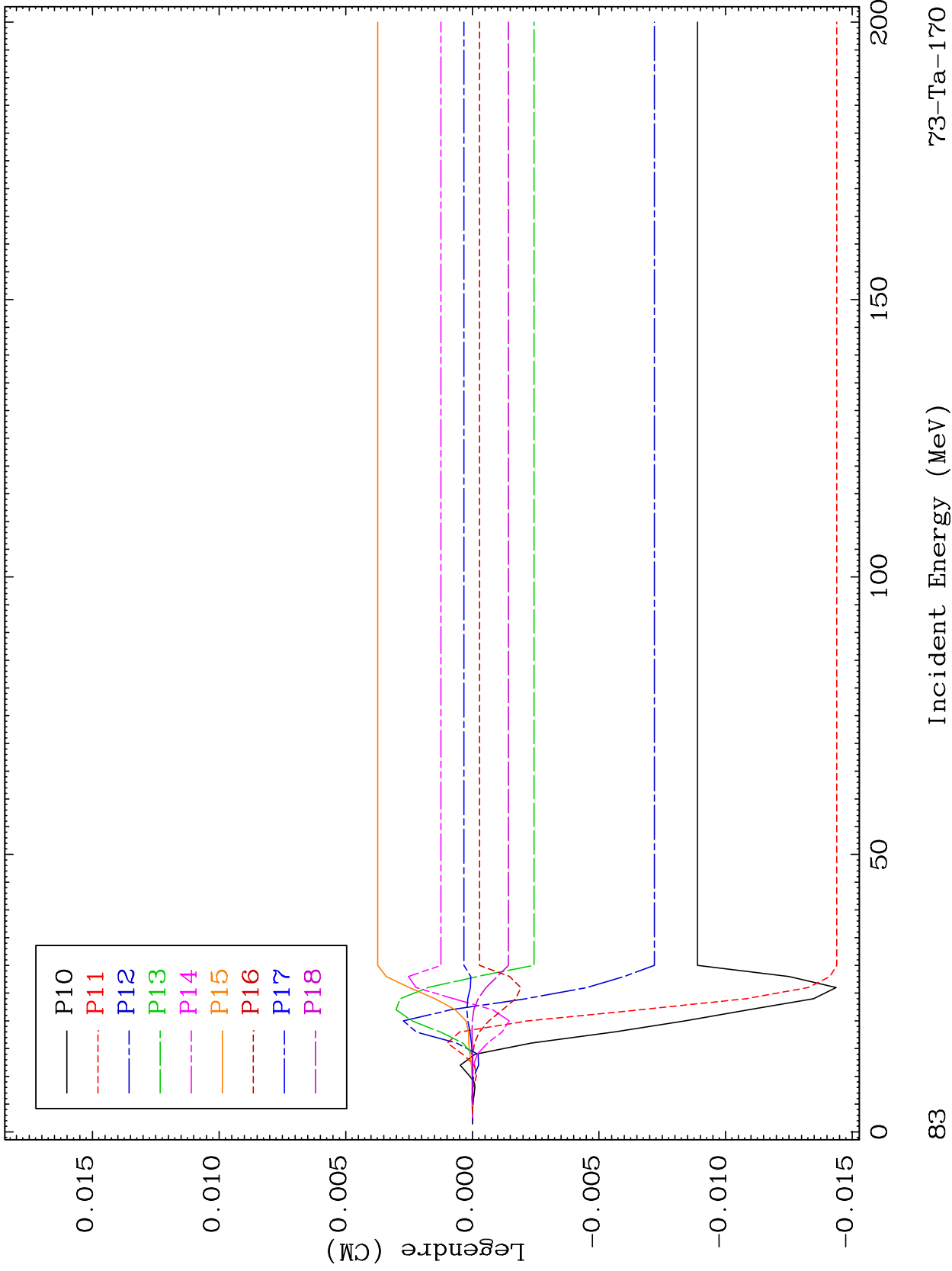




MAT 7295

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

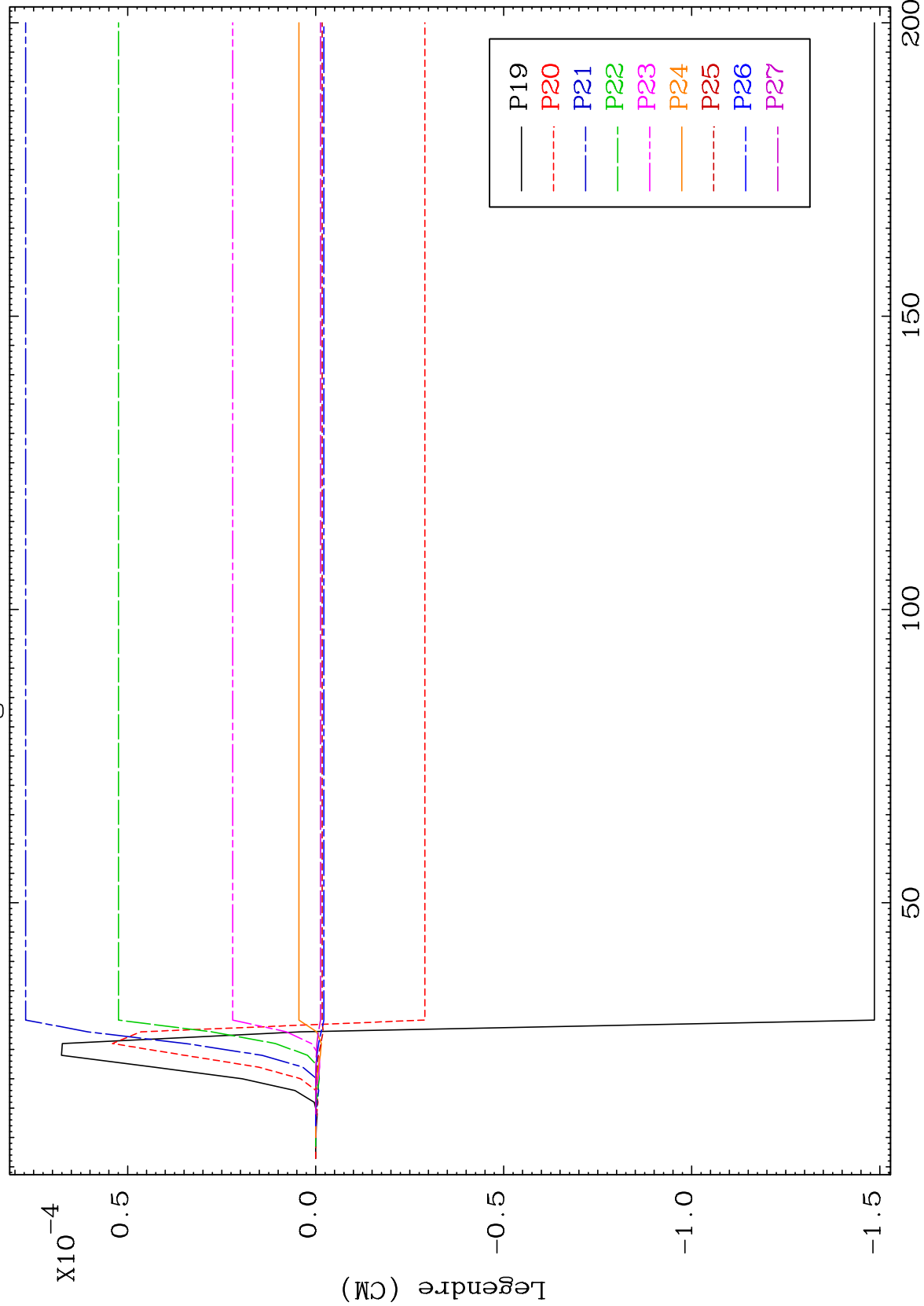
73-Ta-170

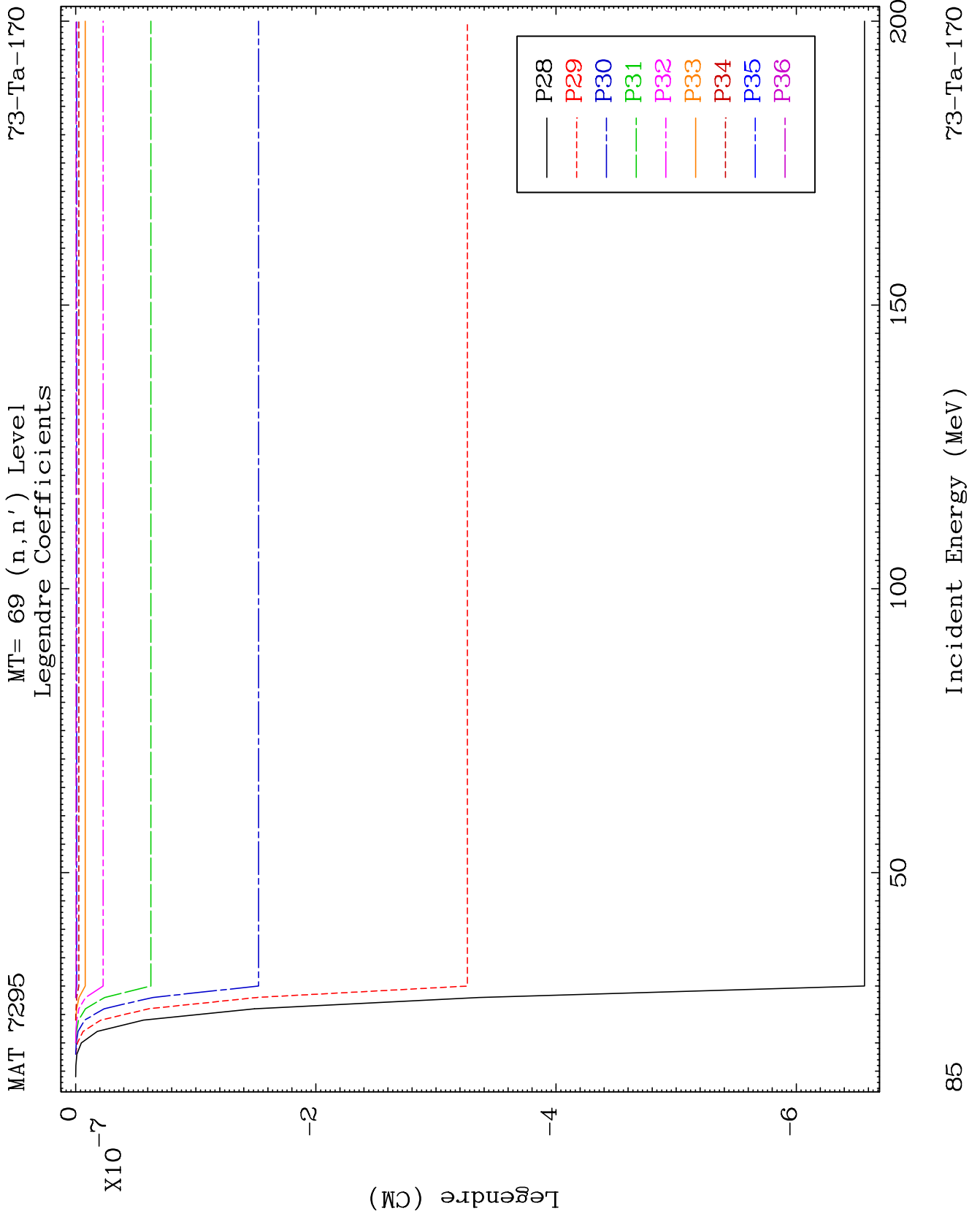


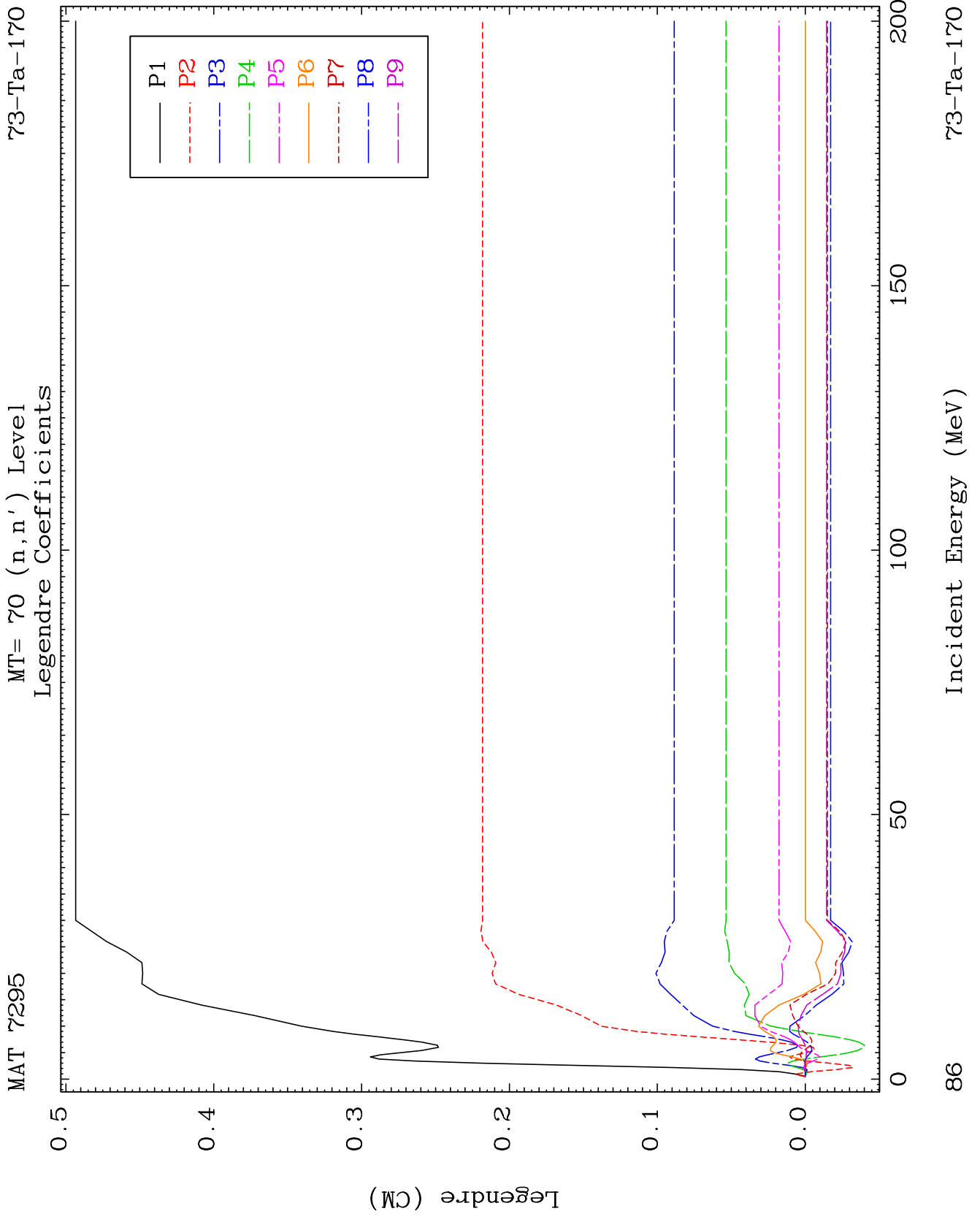
83

Incident Energy (MeV)

73-Ta-170



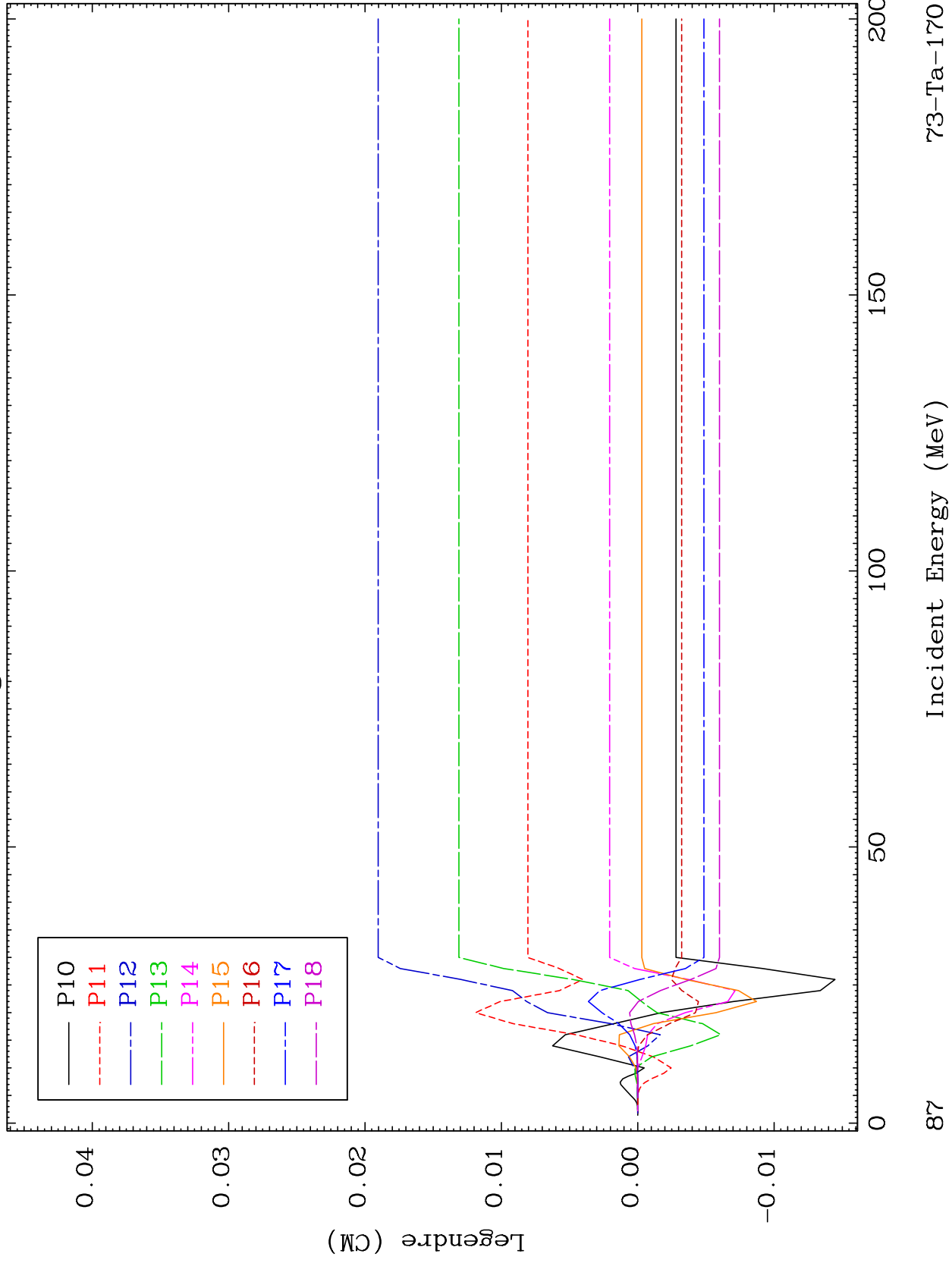




MAT 7295

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

73-Ta-170

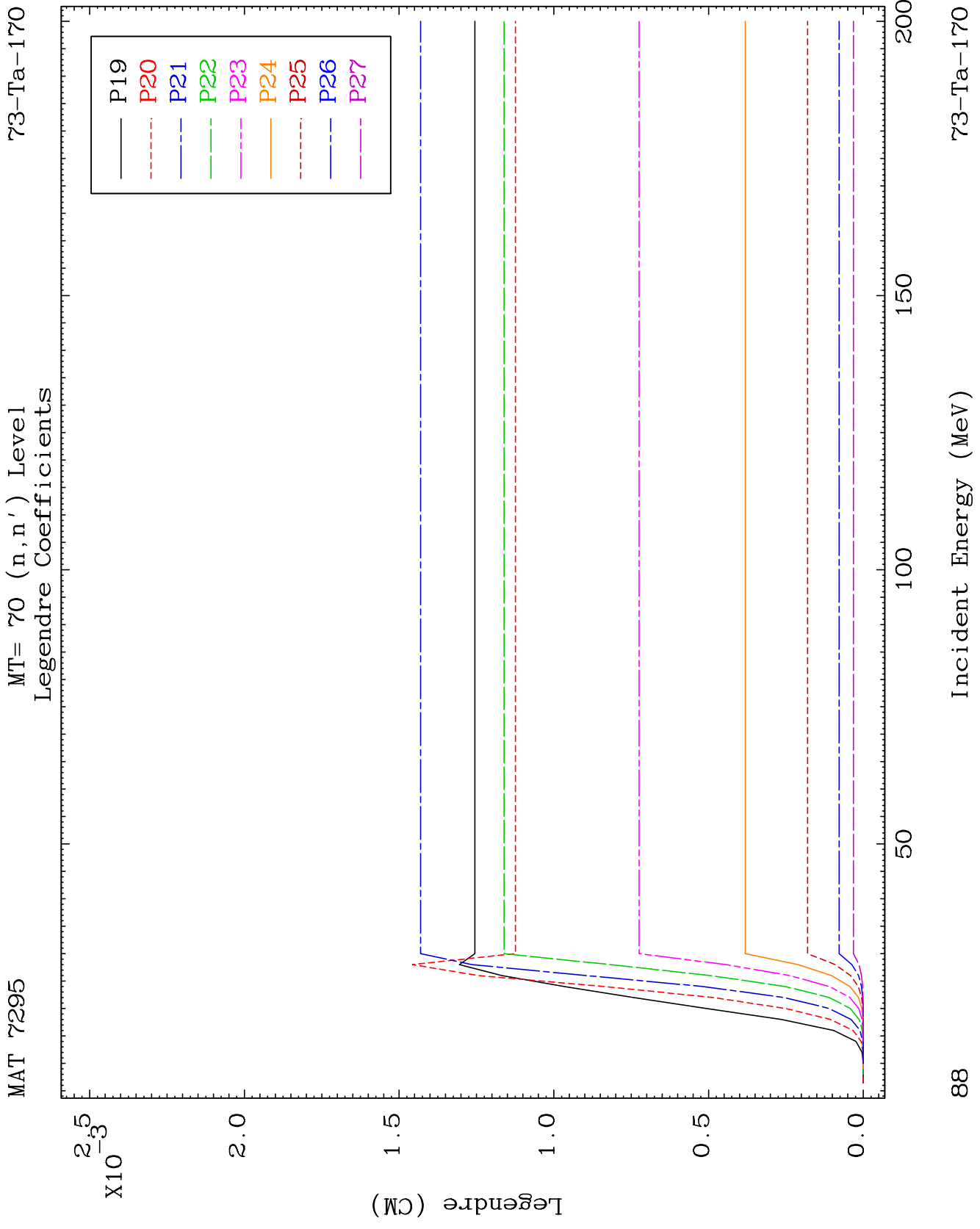


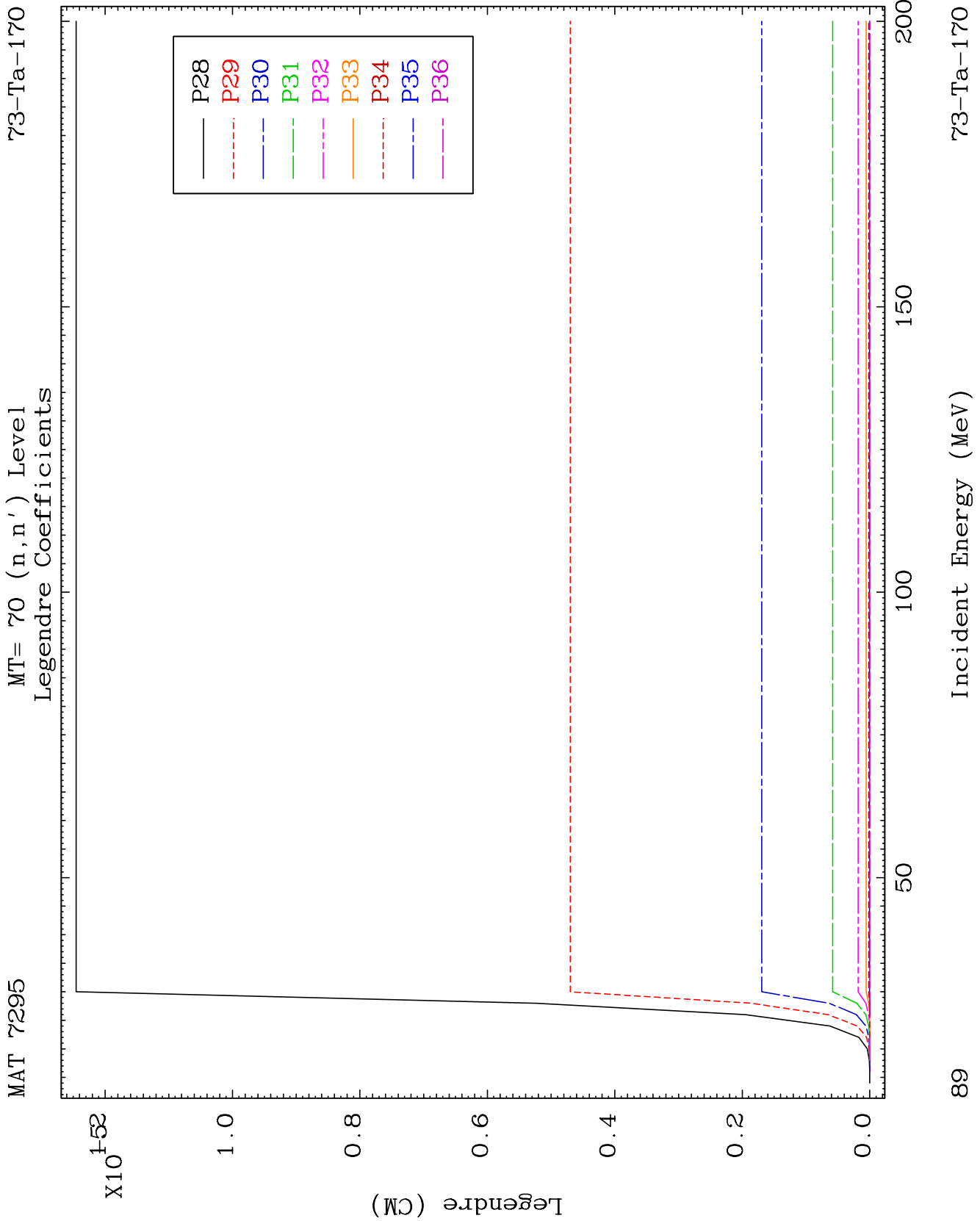
87

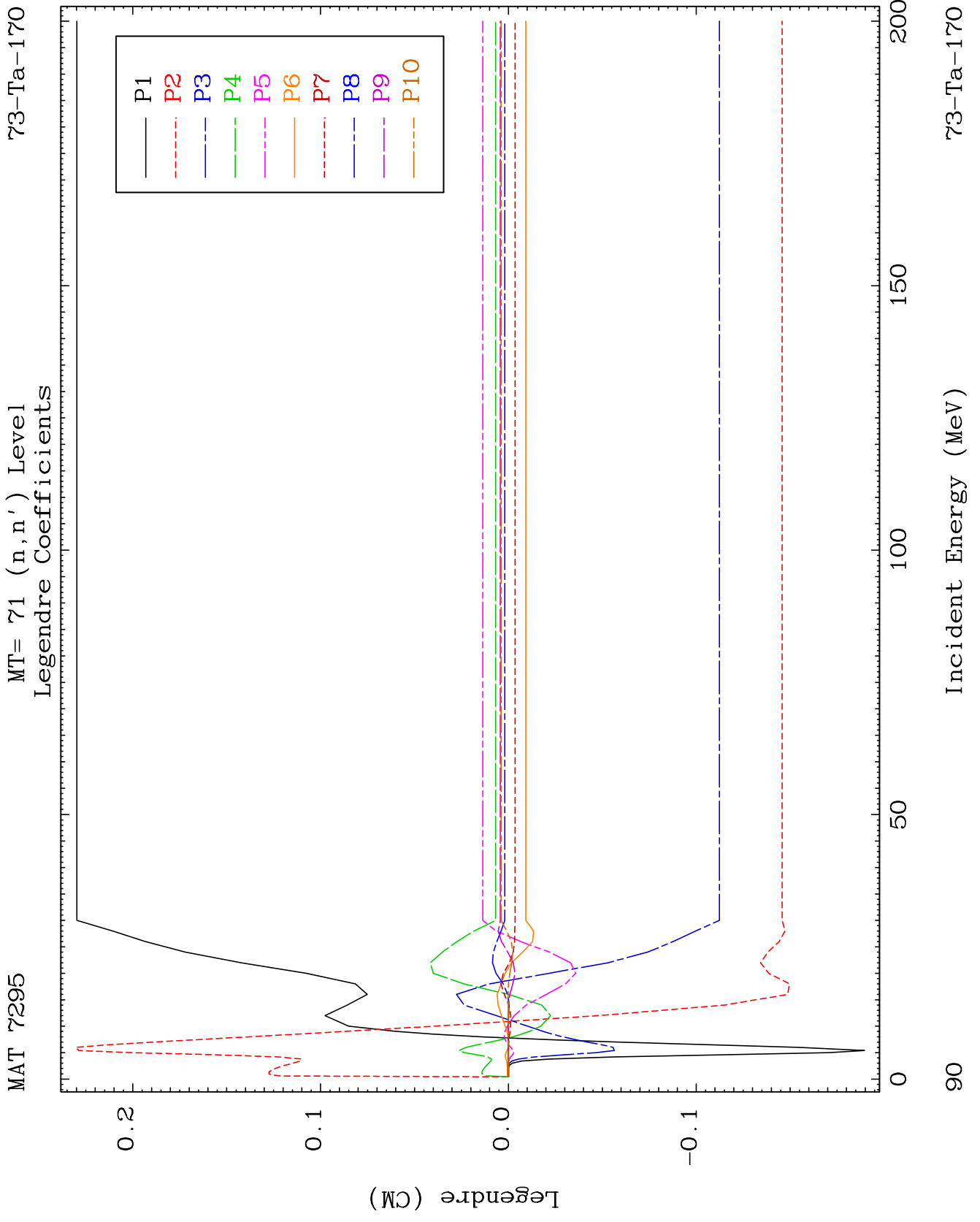
Incident Energy (MeV)

73-Ta-170





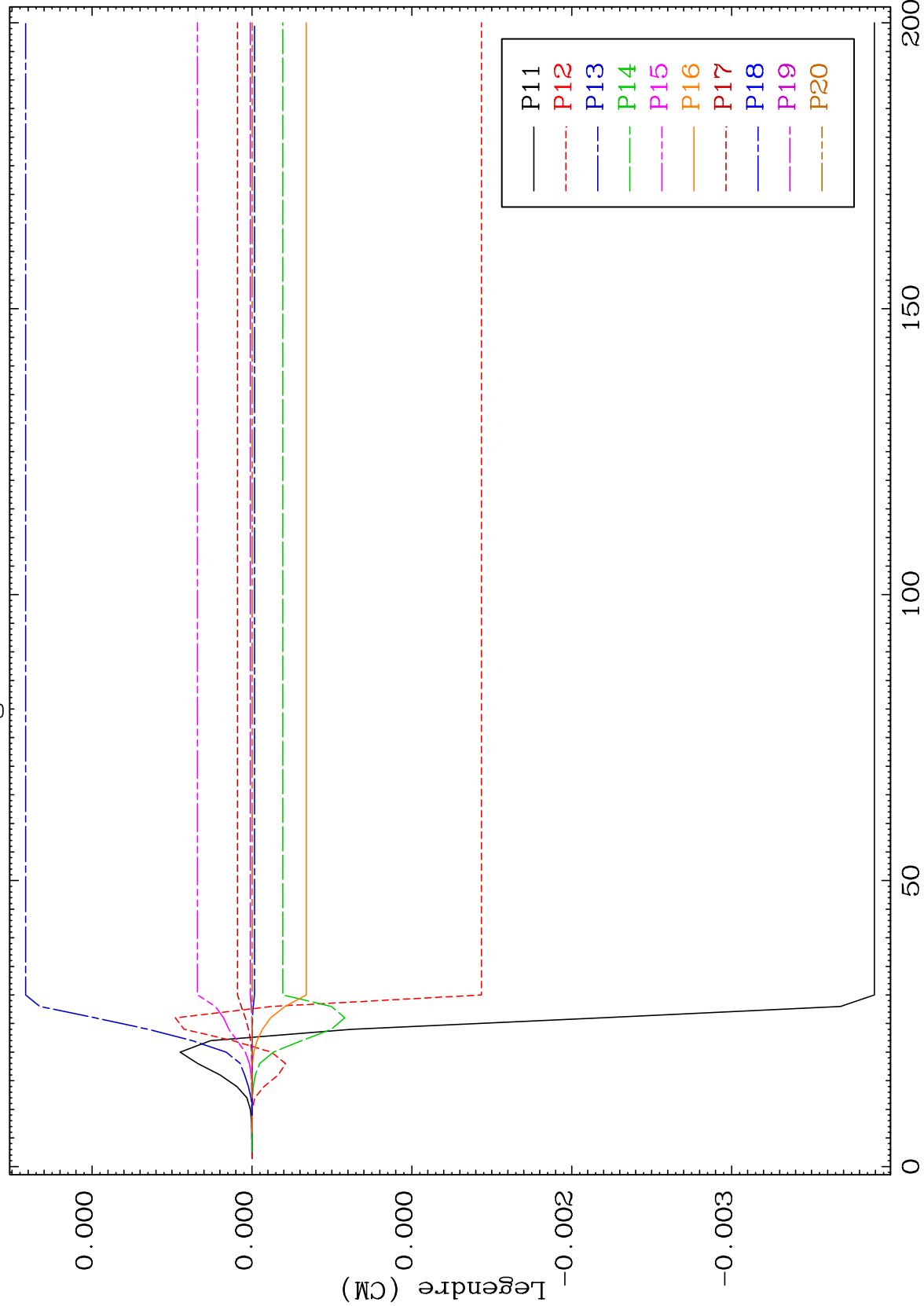




MAT 7295

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

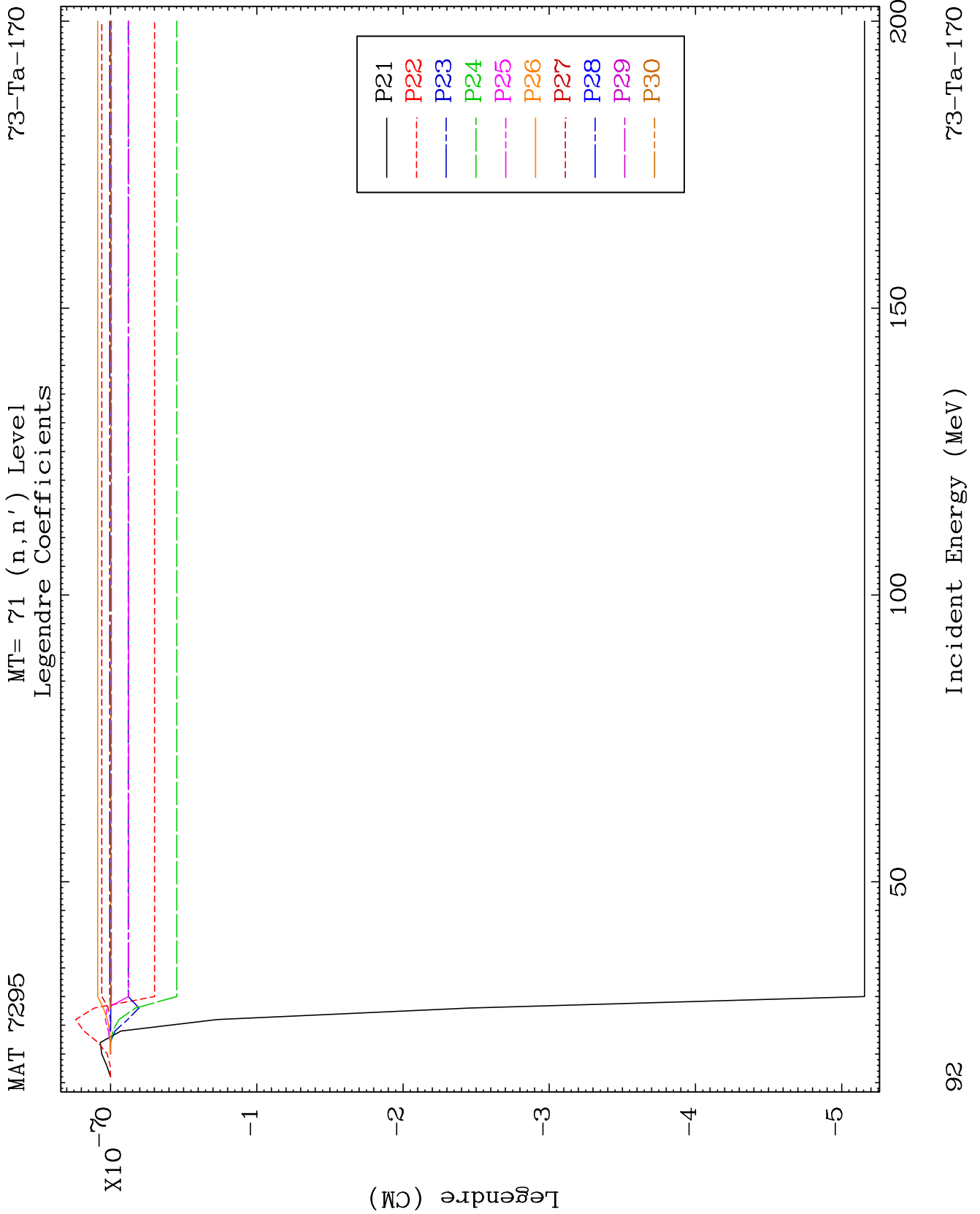
73-Ta-170



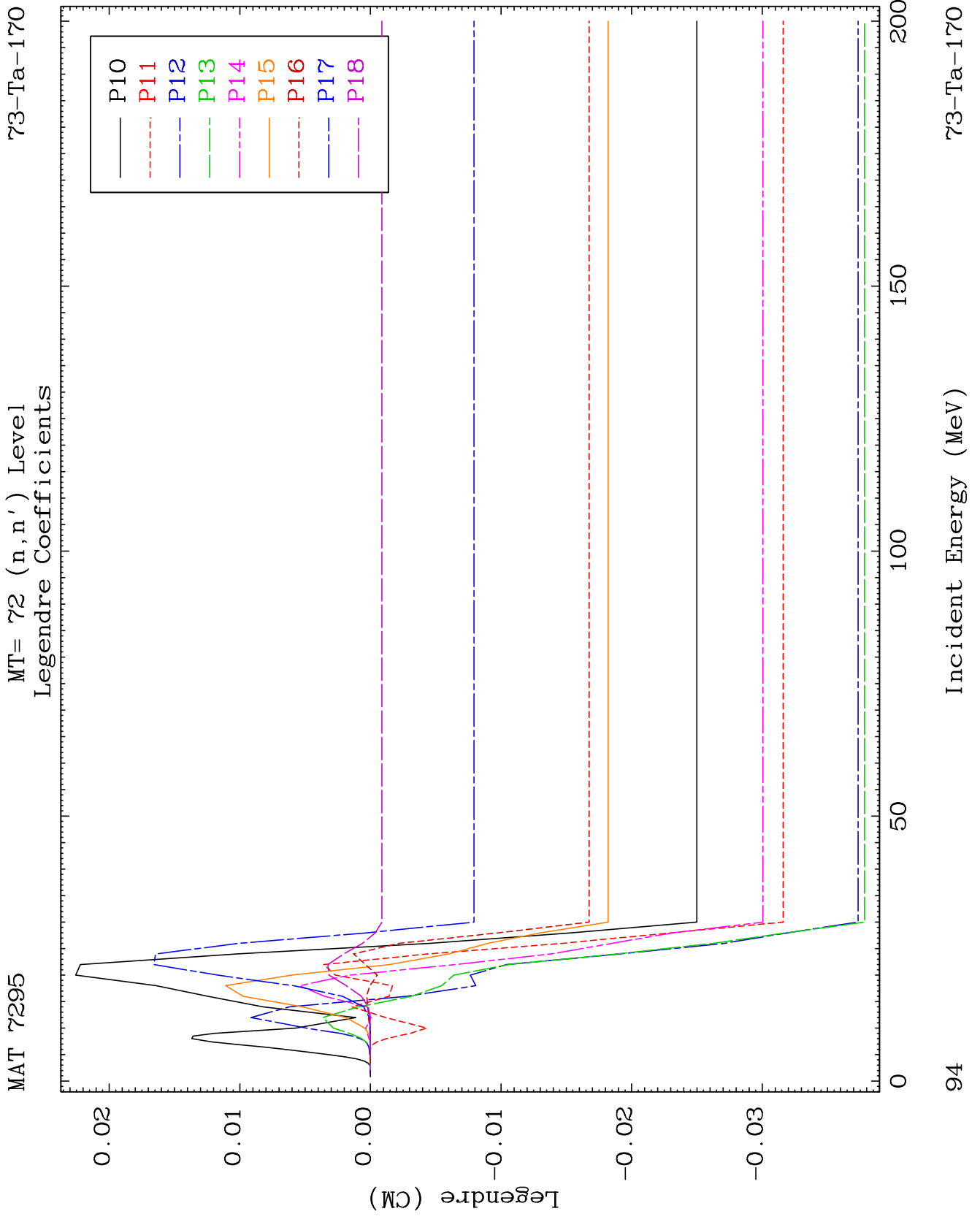
91

Incident Energy (MeV)

73-Ta-170



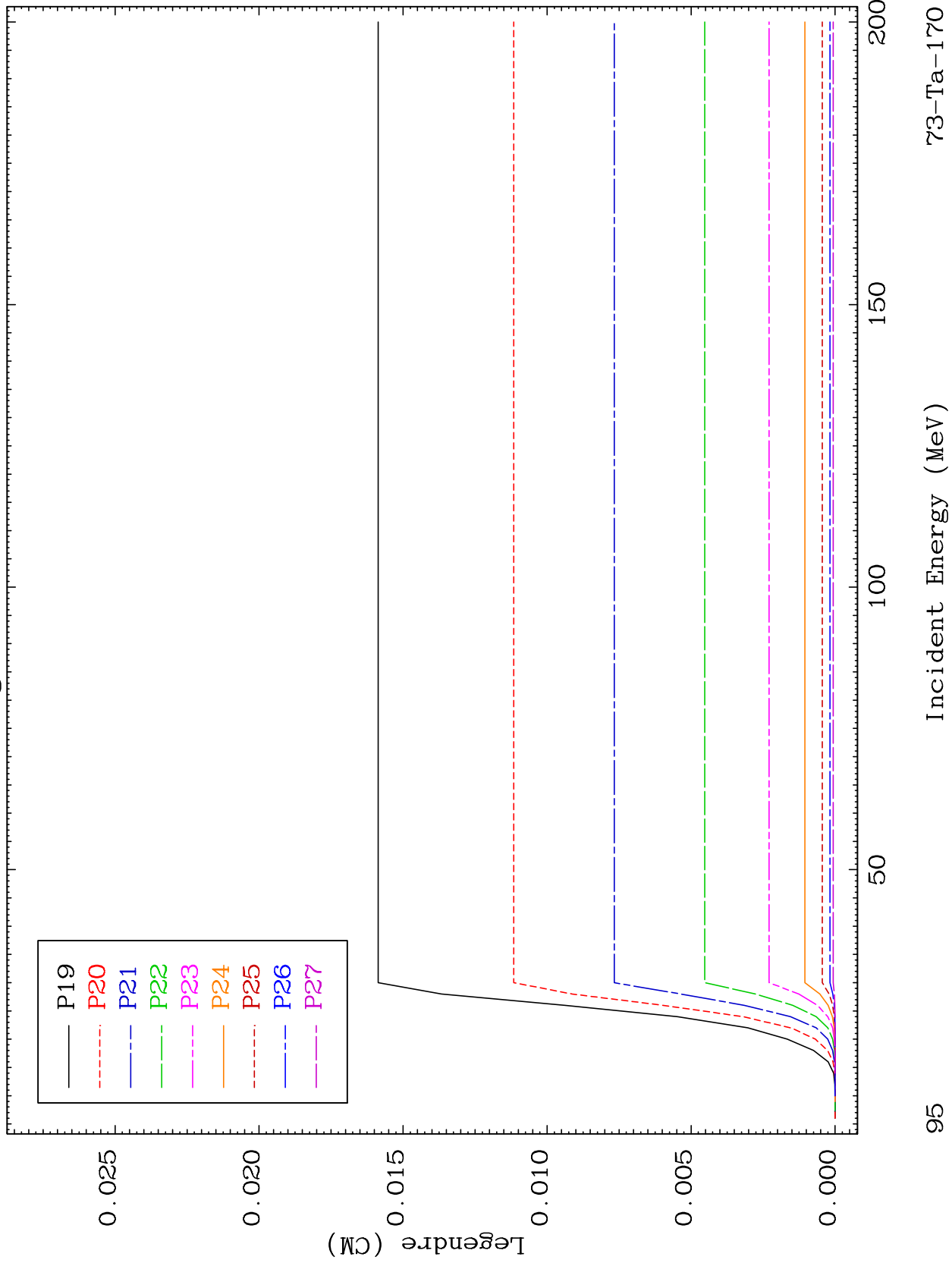




MAT 7295

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

73-Ta-170



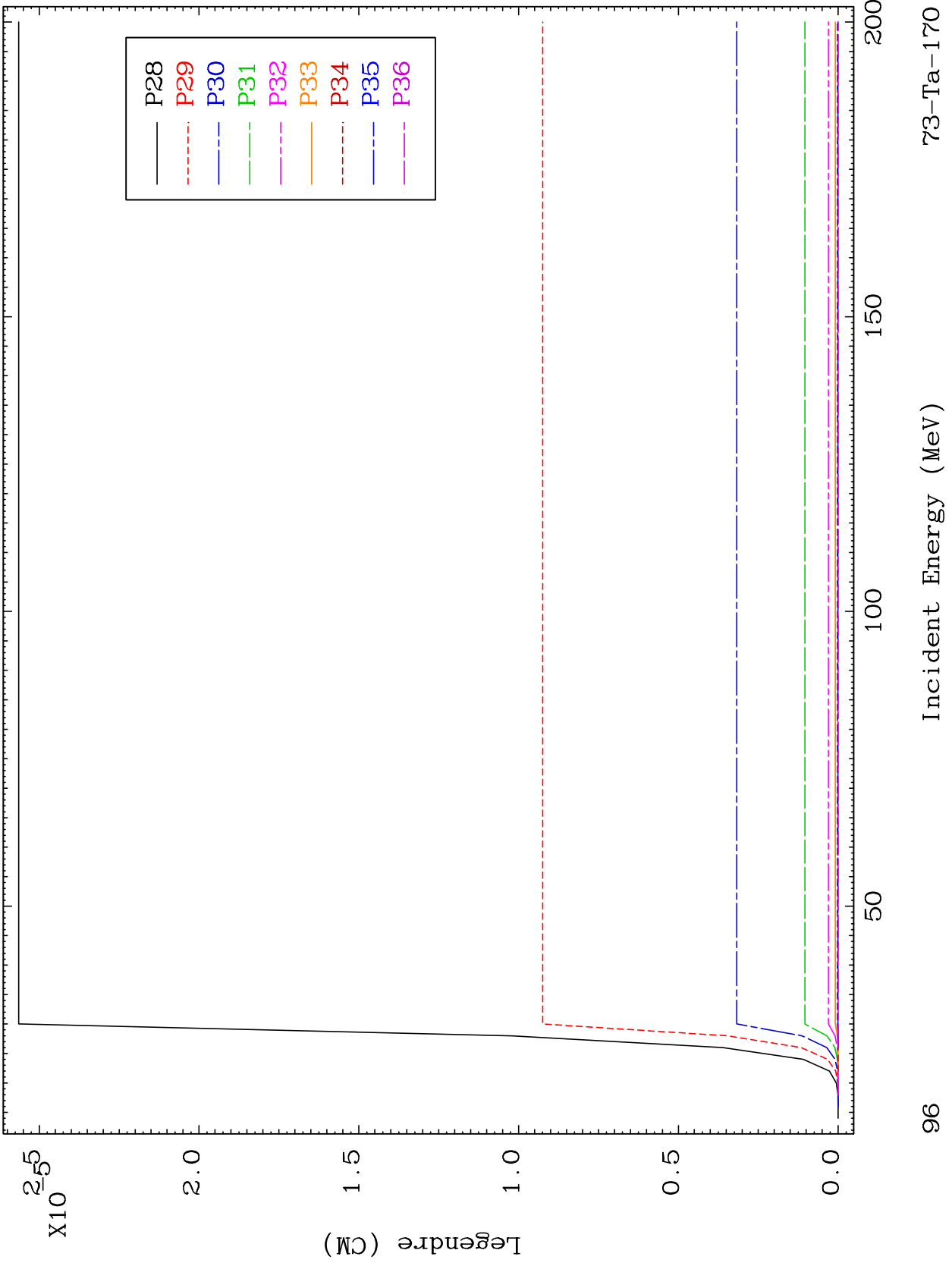
95

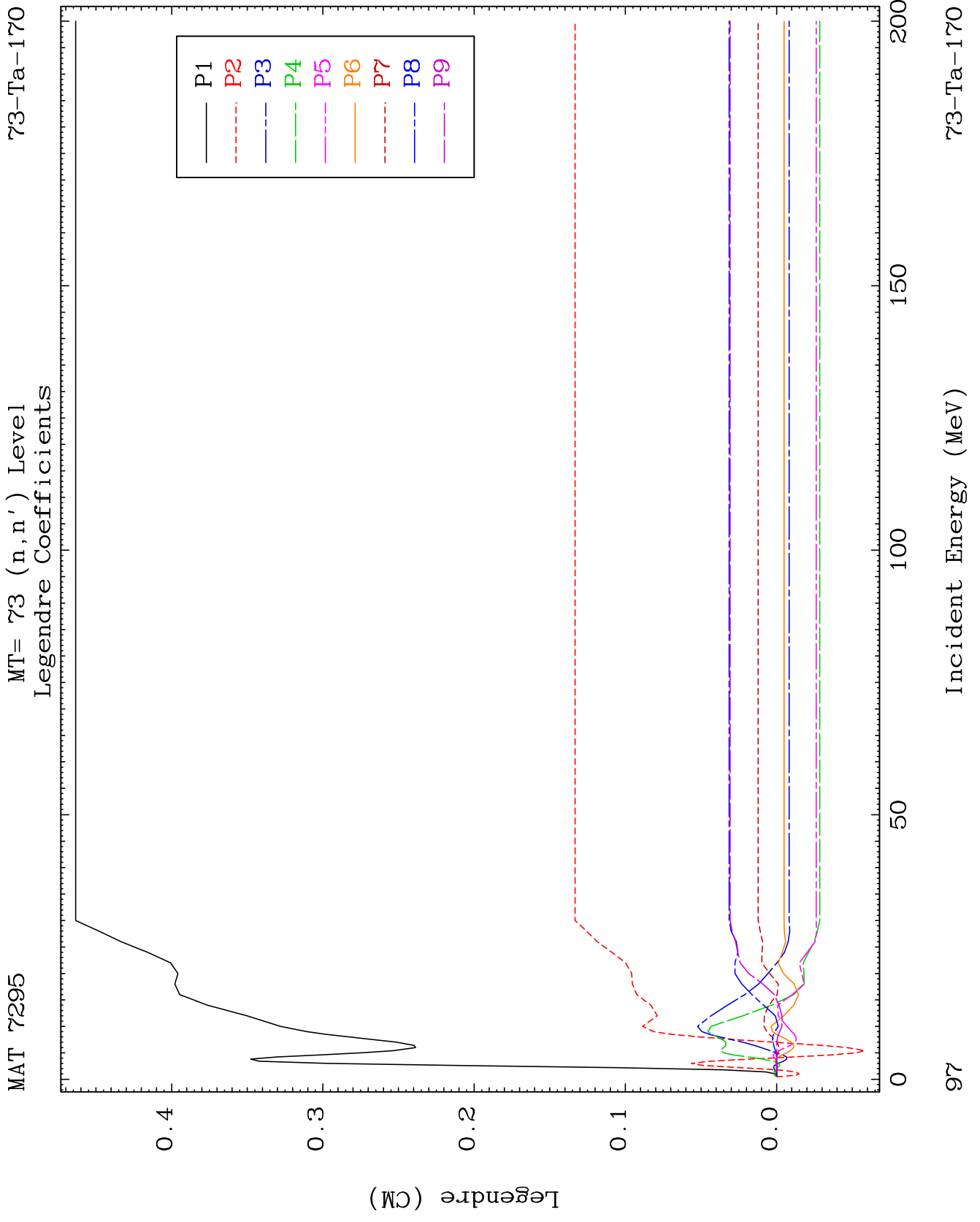
Incident Energy (MeV)

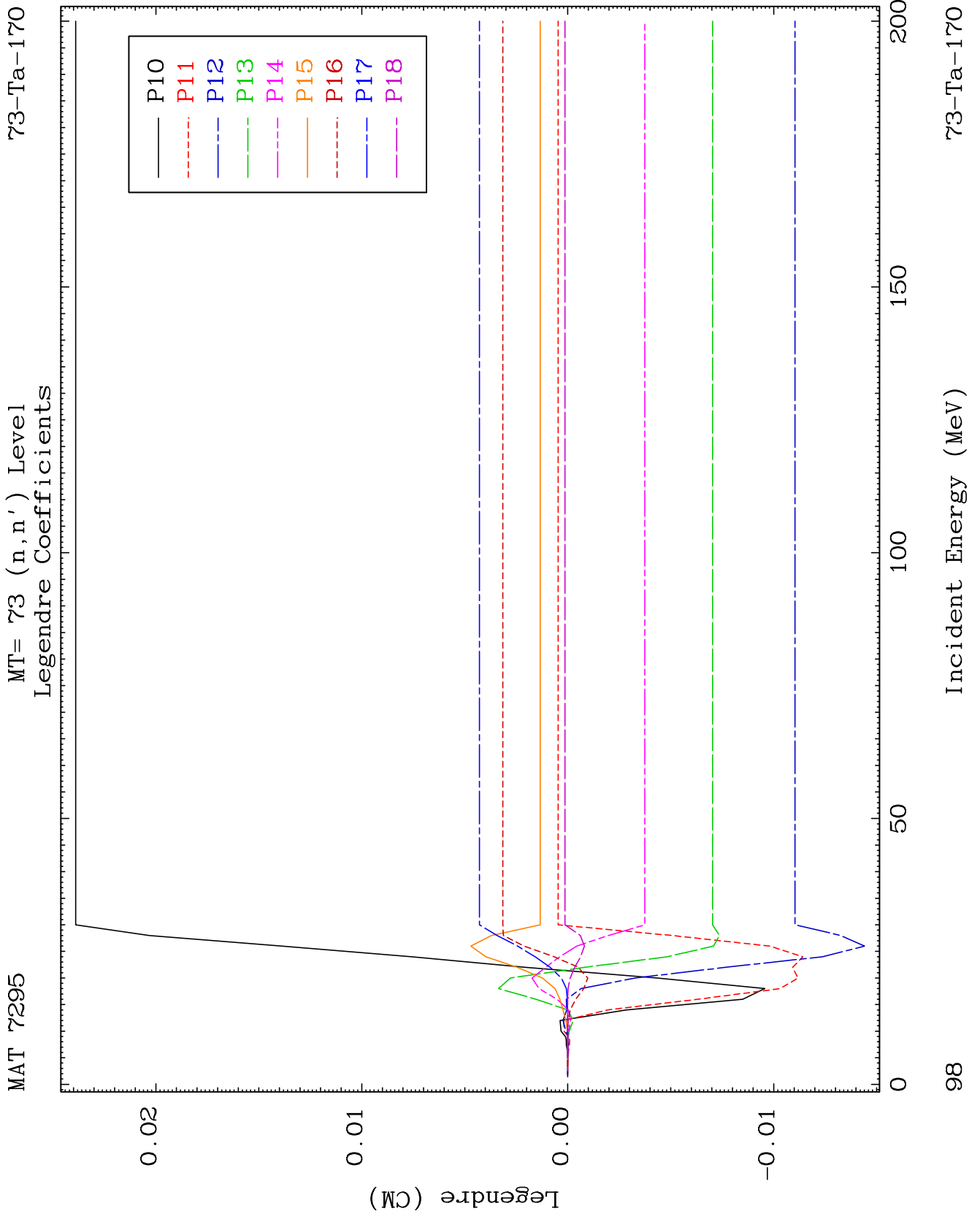
73-Ta-170



MAT 7295 MT= 72 (n,n') Level Legendre Coefficients 73-Ta-170



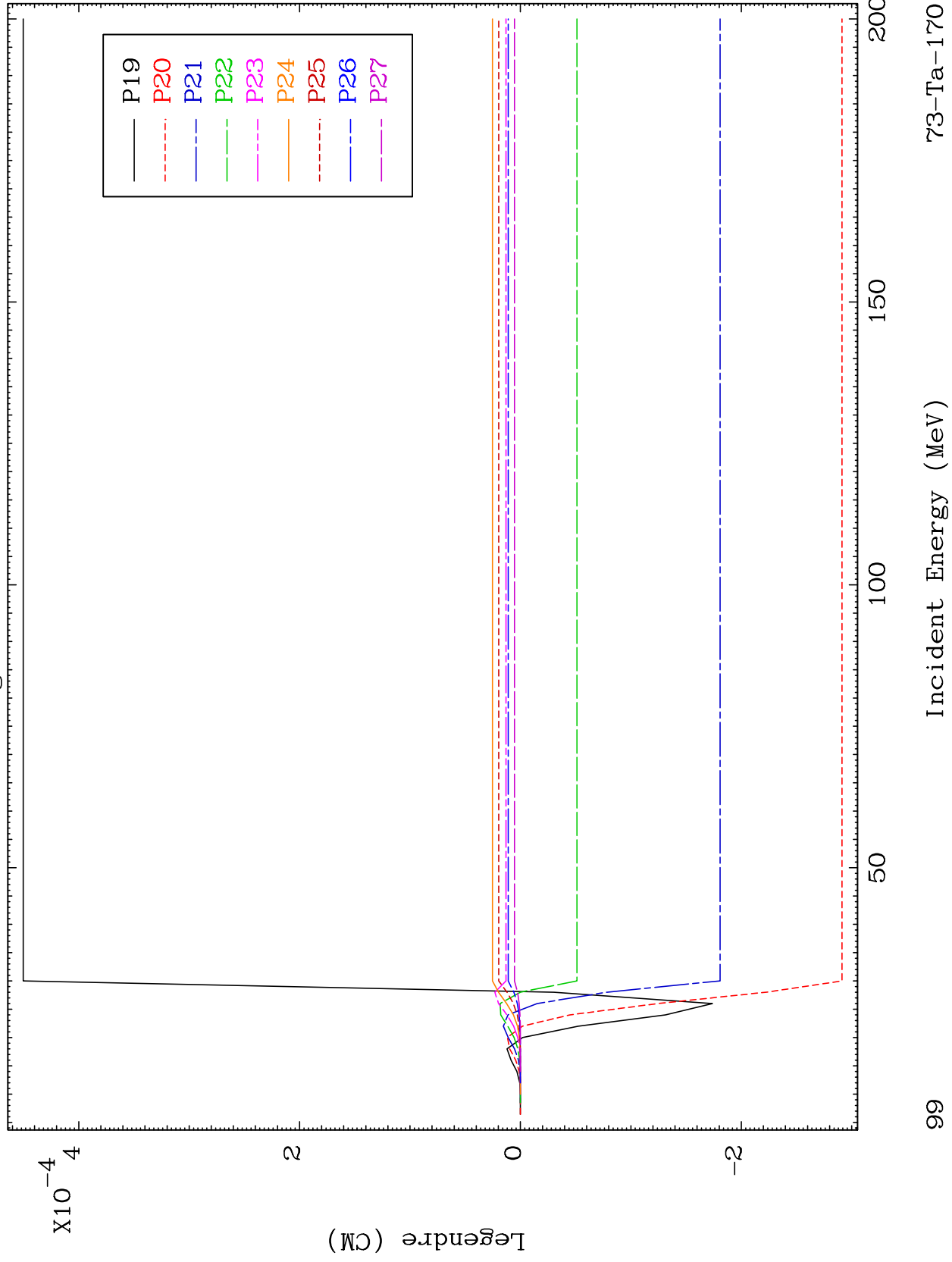


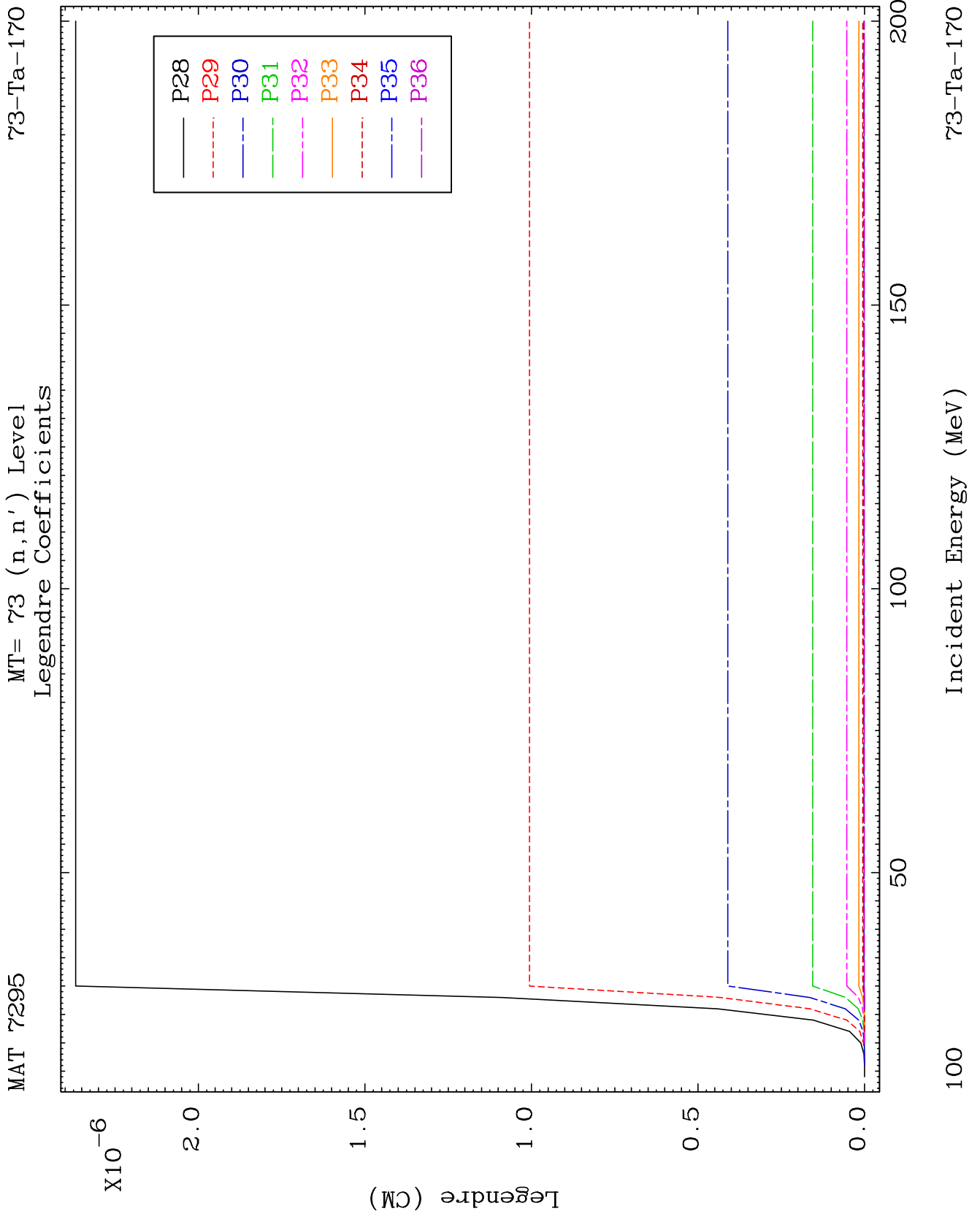


MAT 7295

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

73-Ta-170



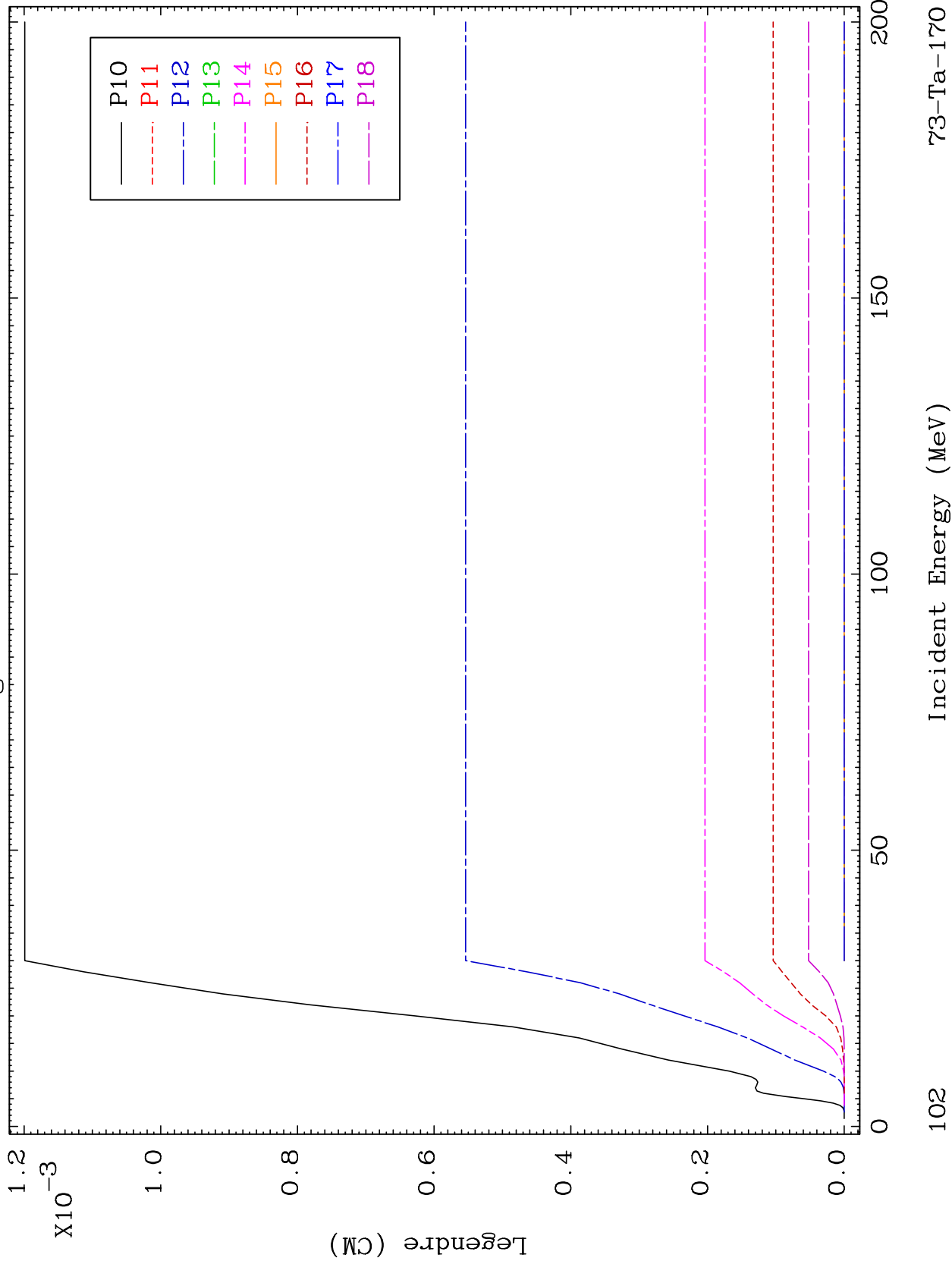




MAT 7295

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

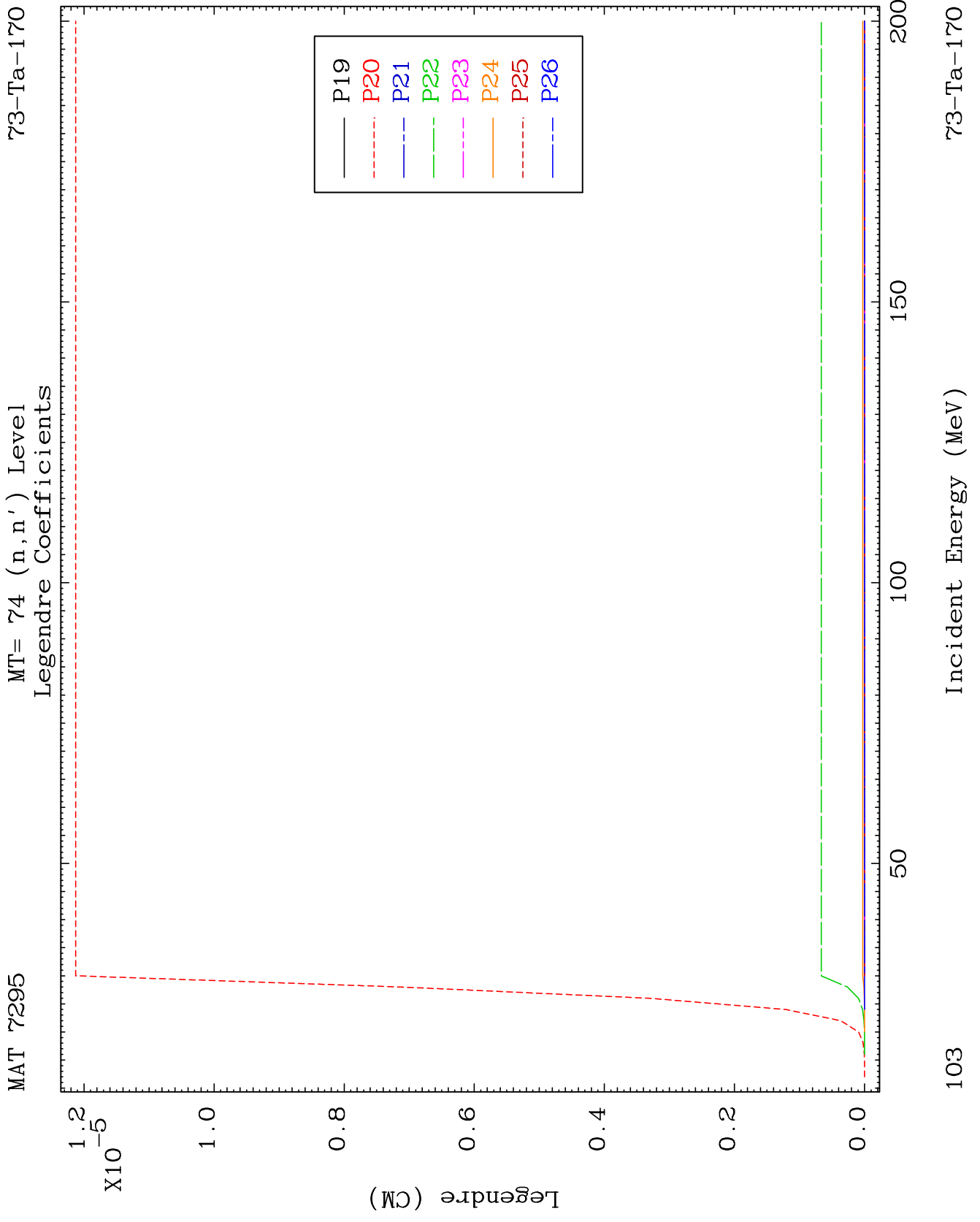
73-Ta-170



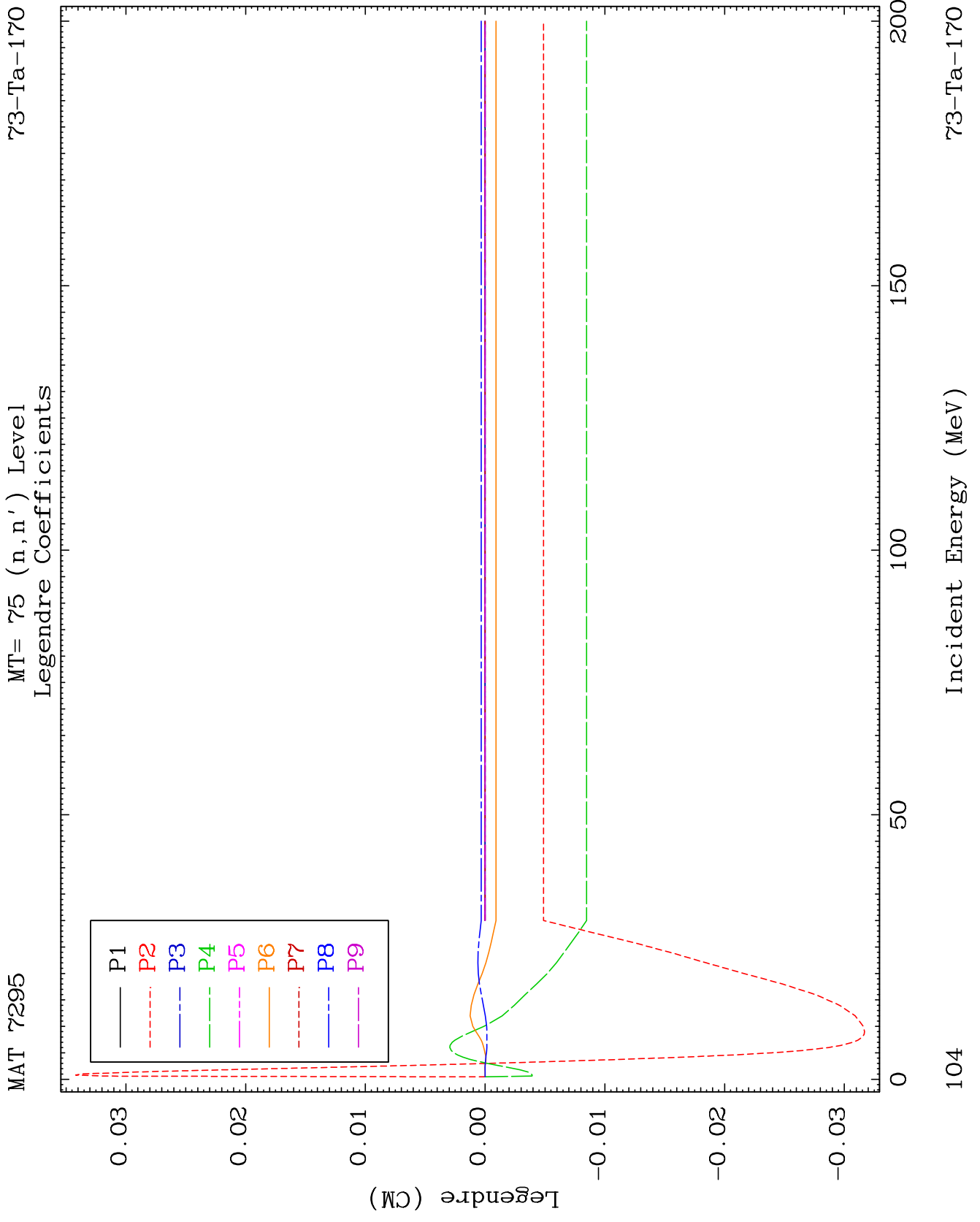
73-Ta-170

Incident Energy (MeV)

102



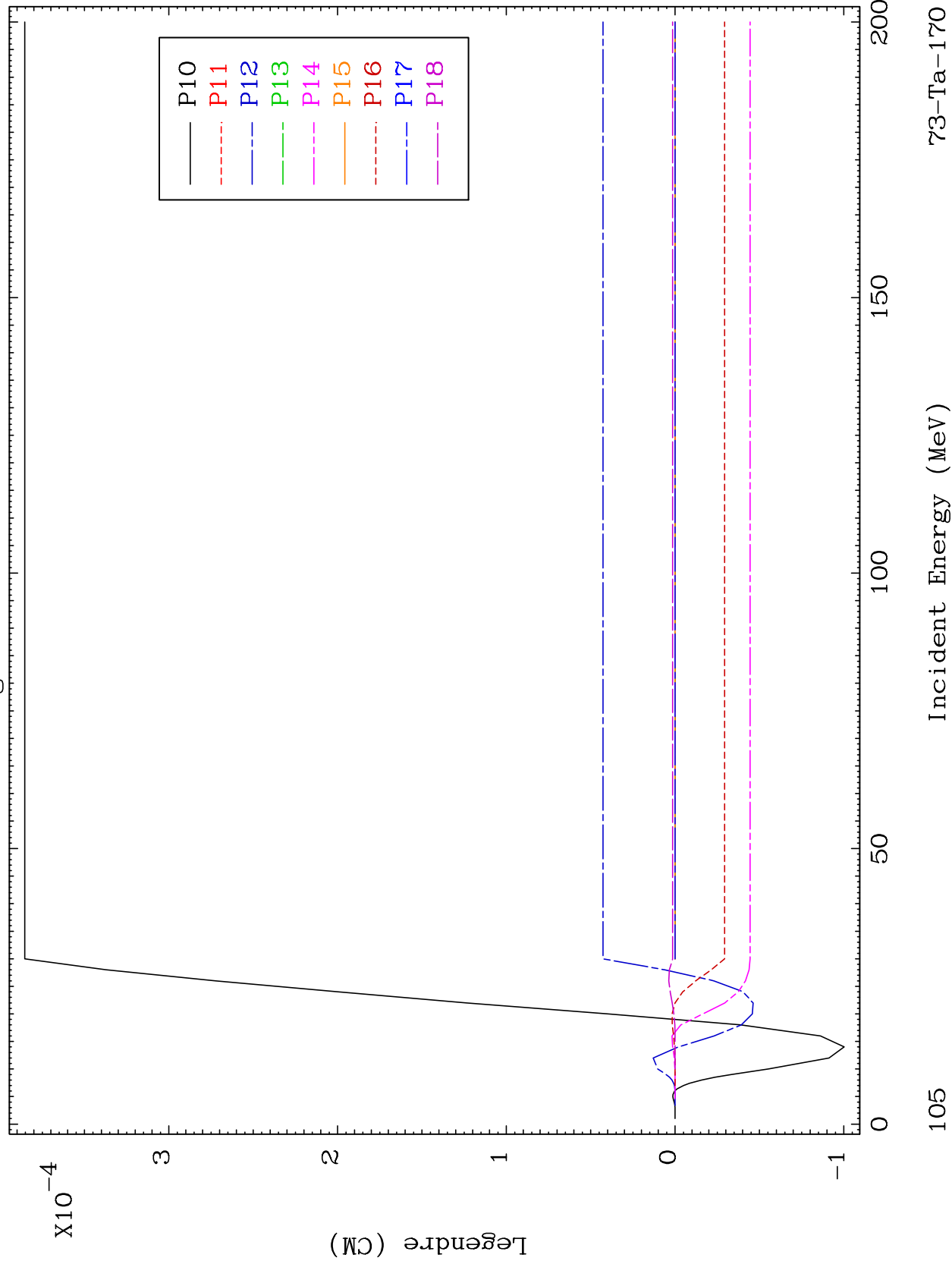


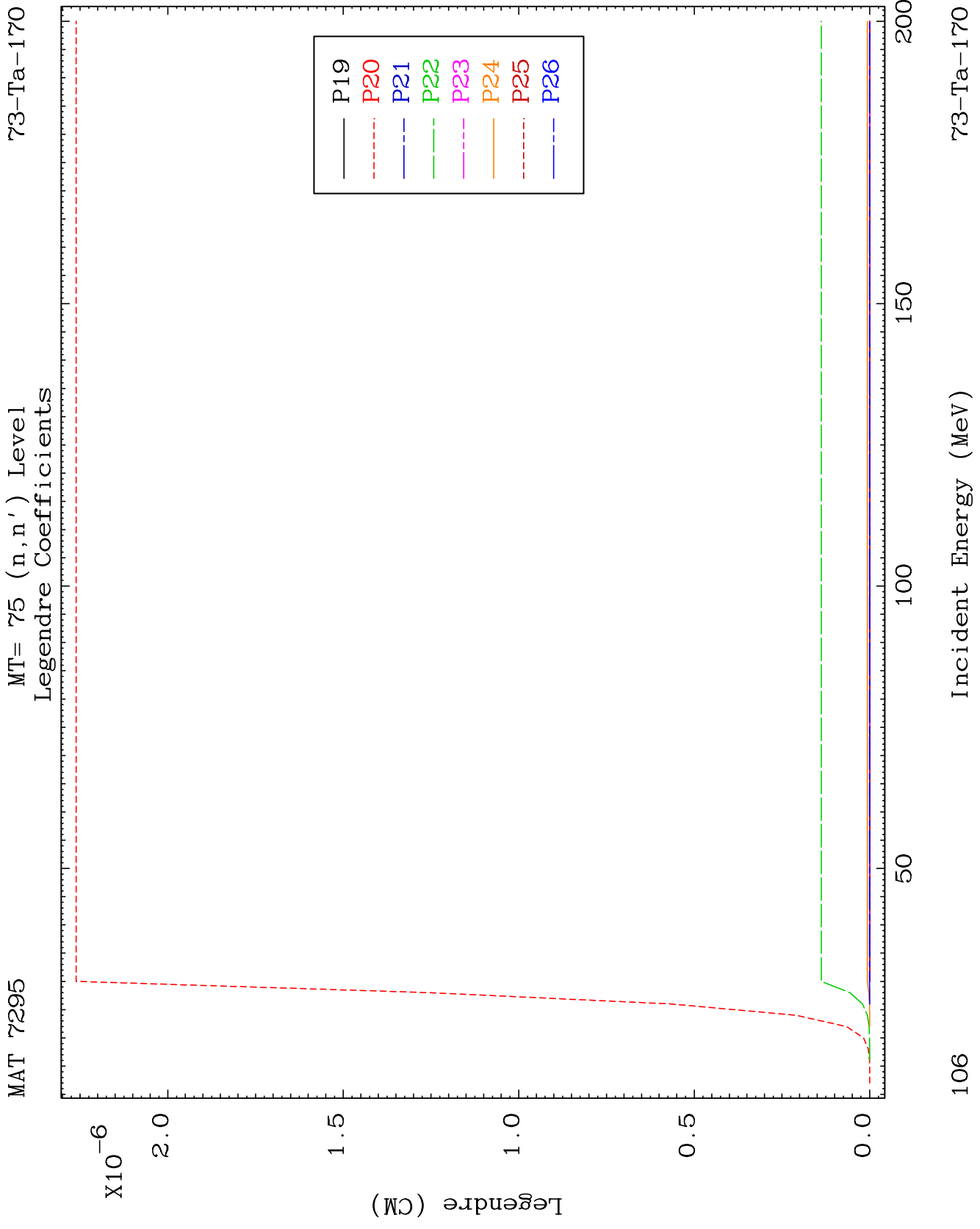


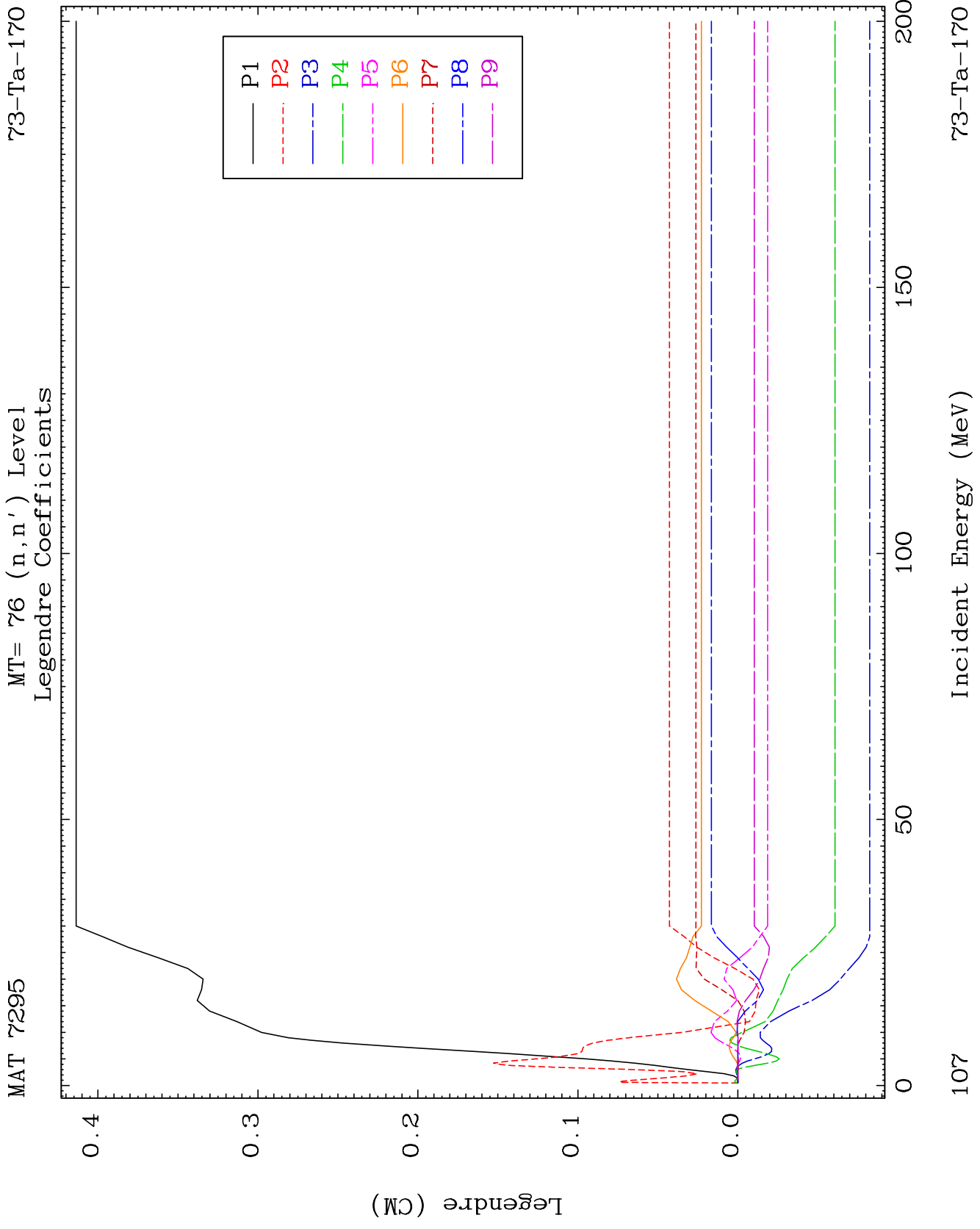
MAT 7295

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

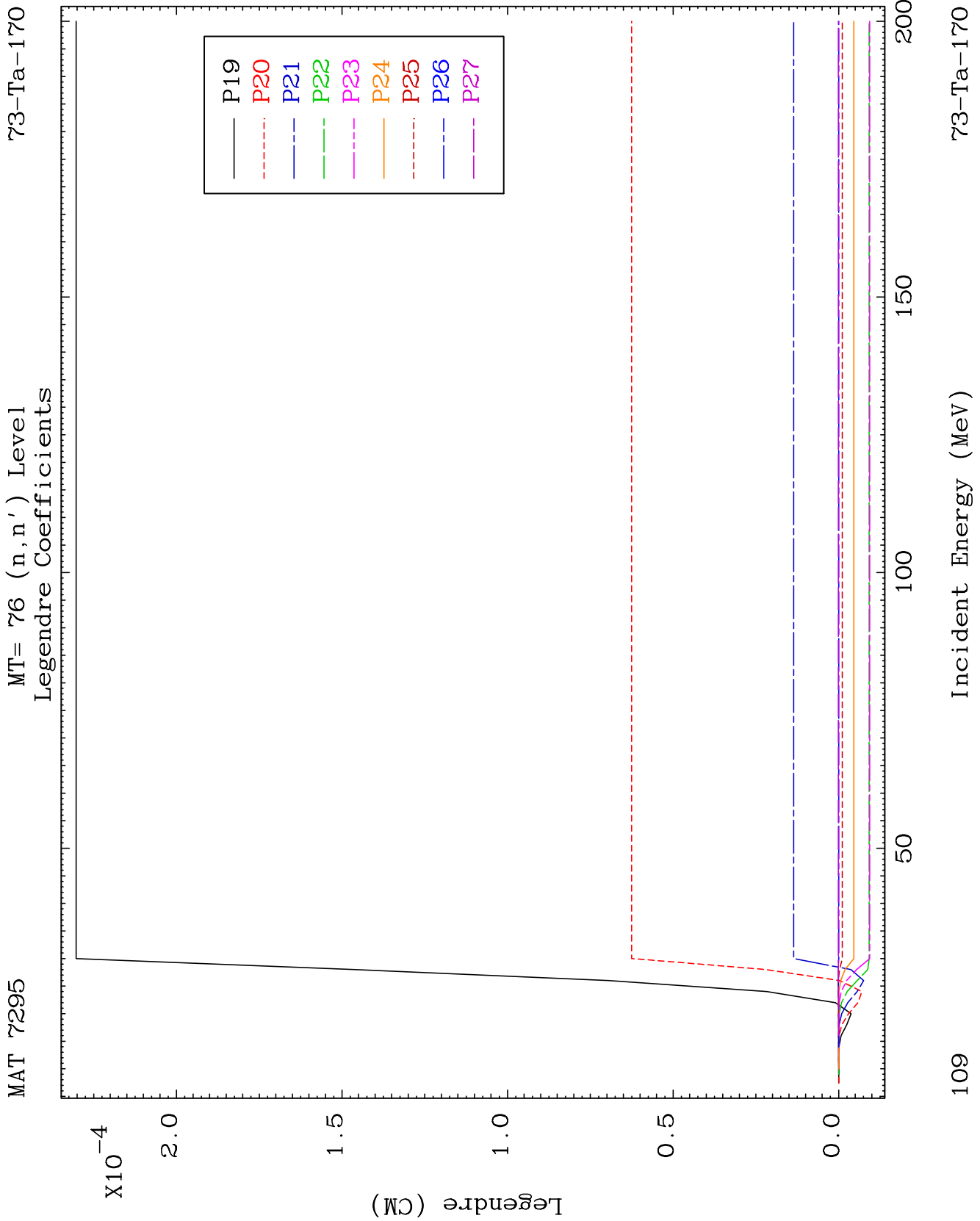
73-Ta-170

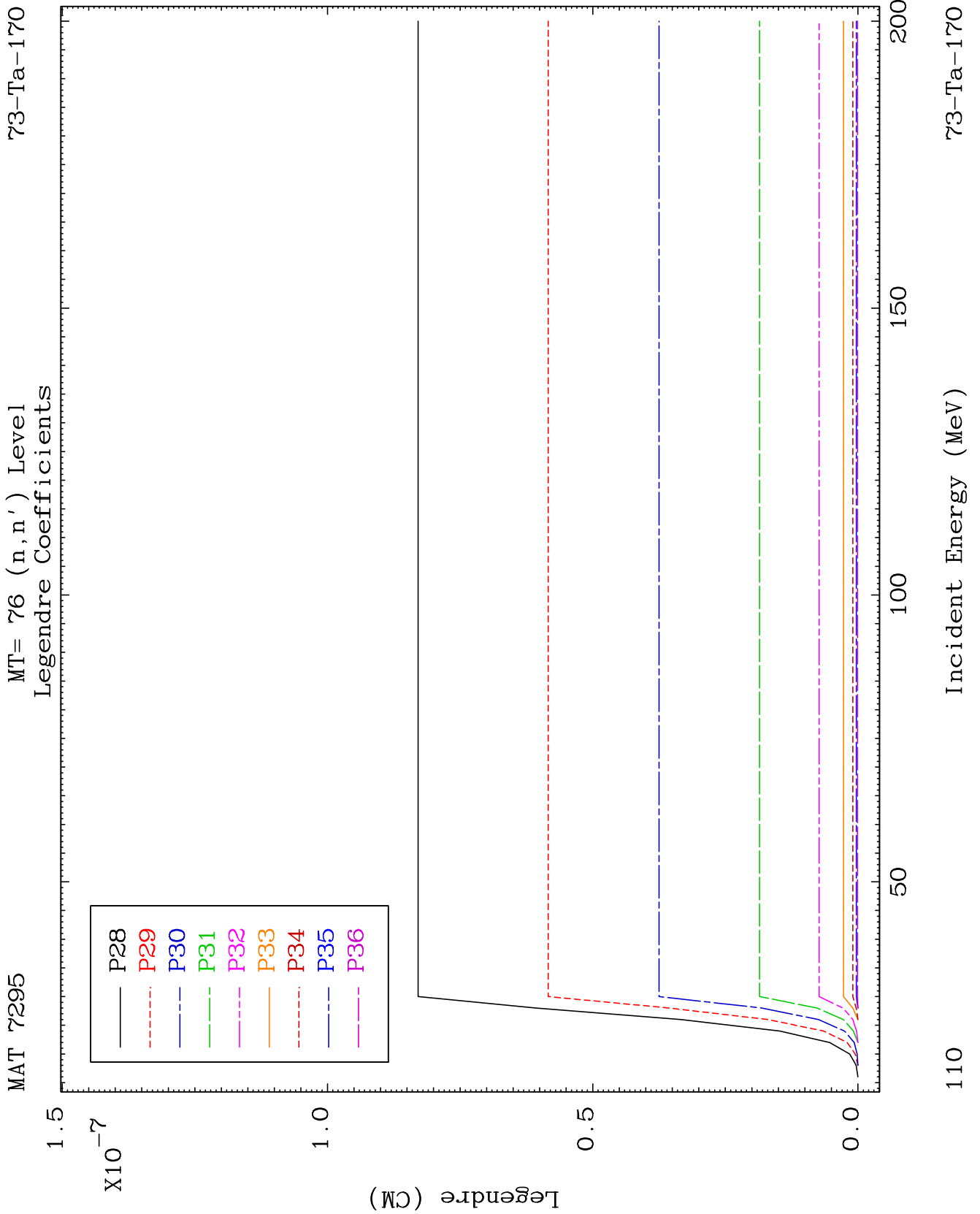


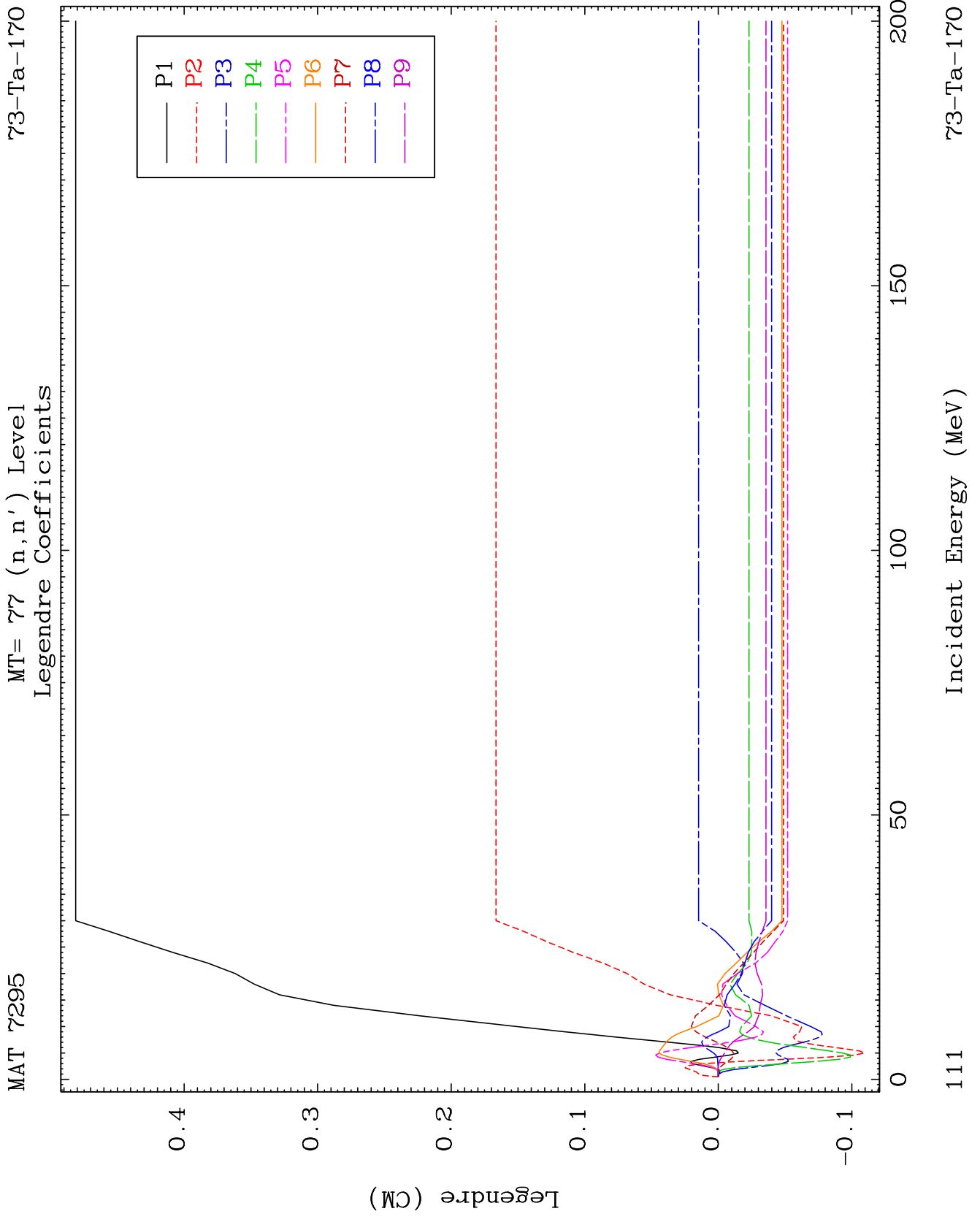










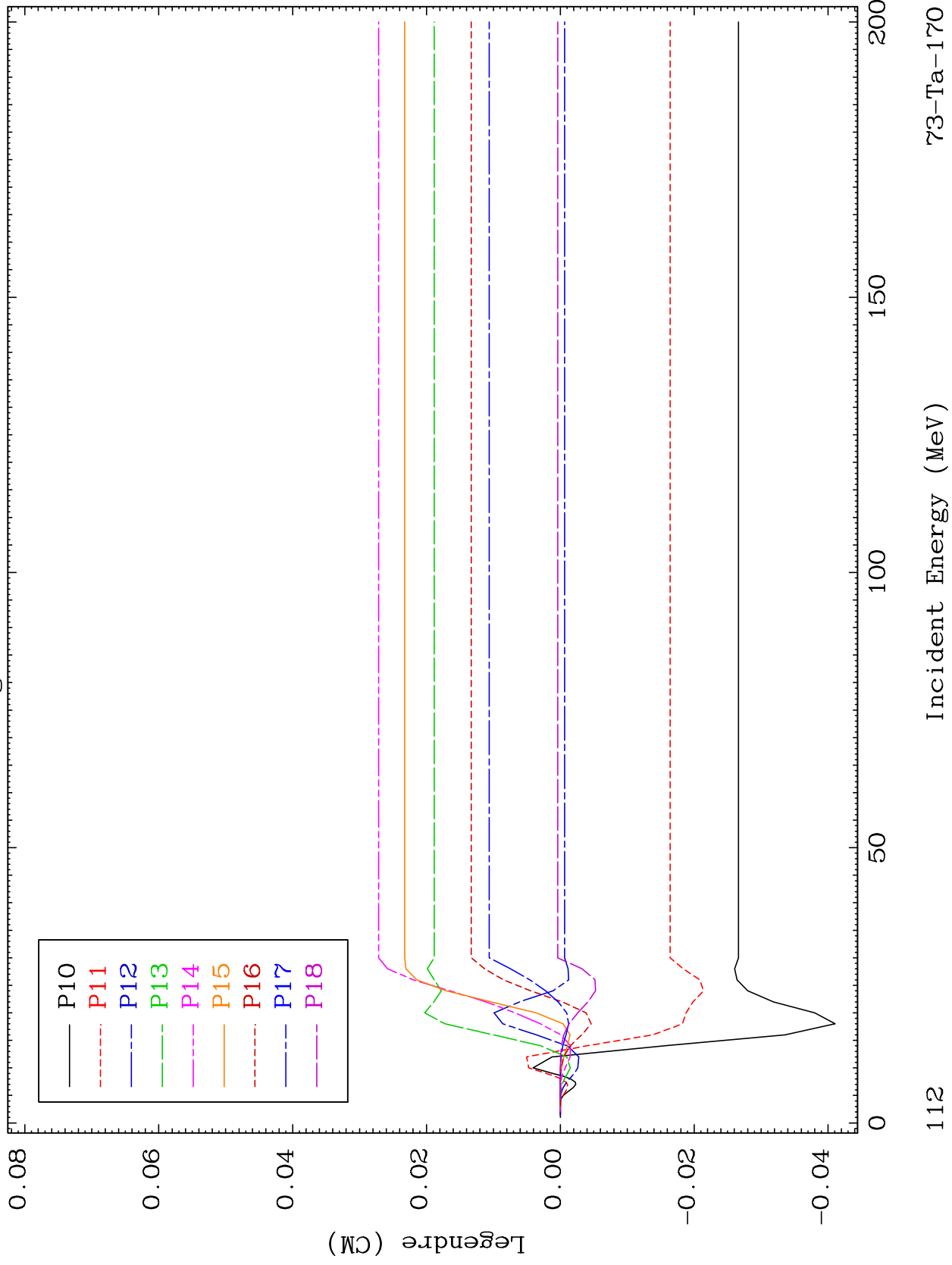




MAT 7295

MT= 77 (n,n') Level  
Legendre Coefficients

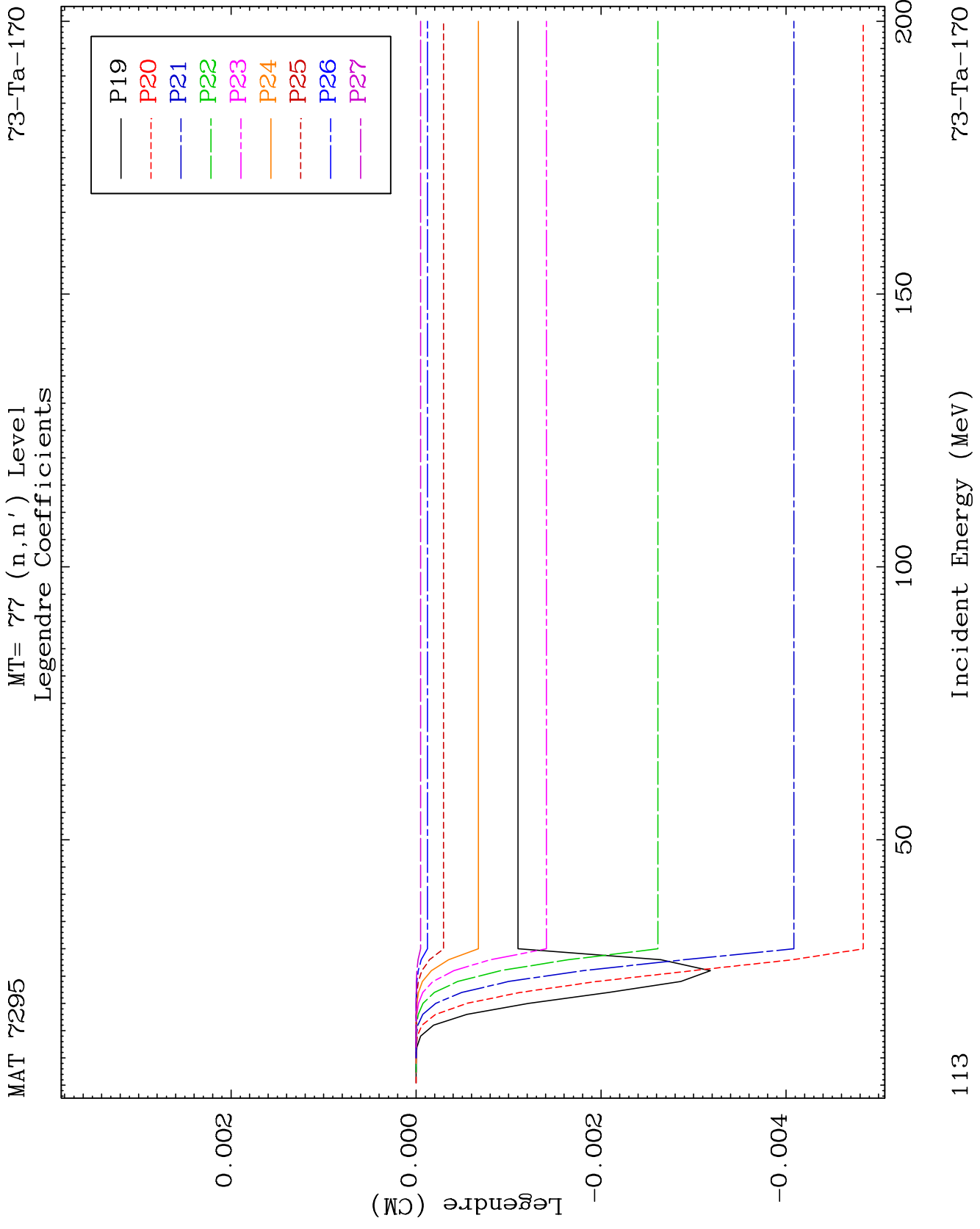
73-Ta-170

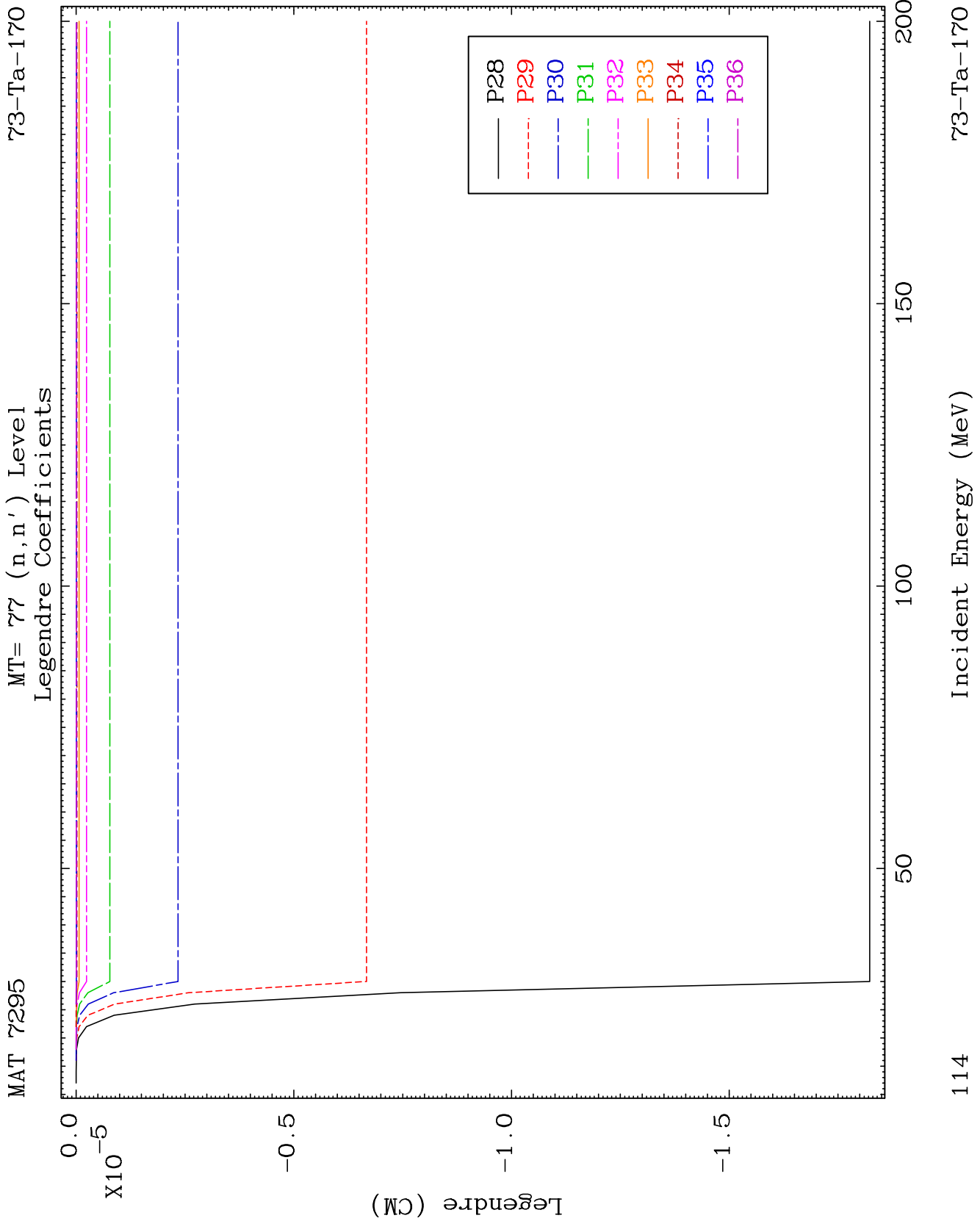


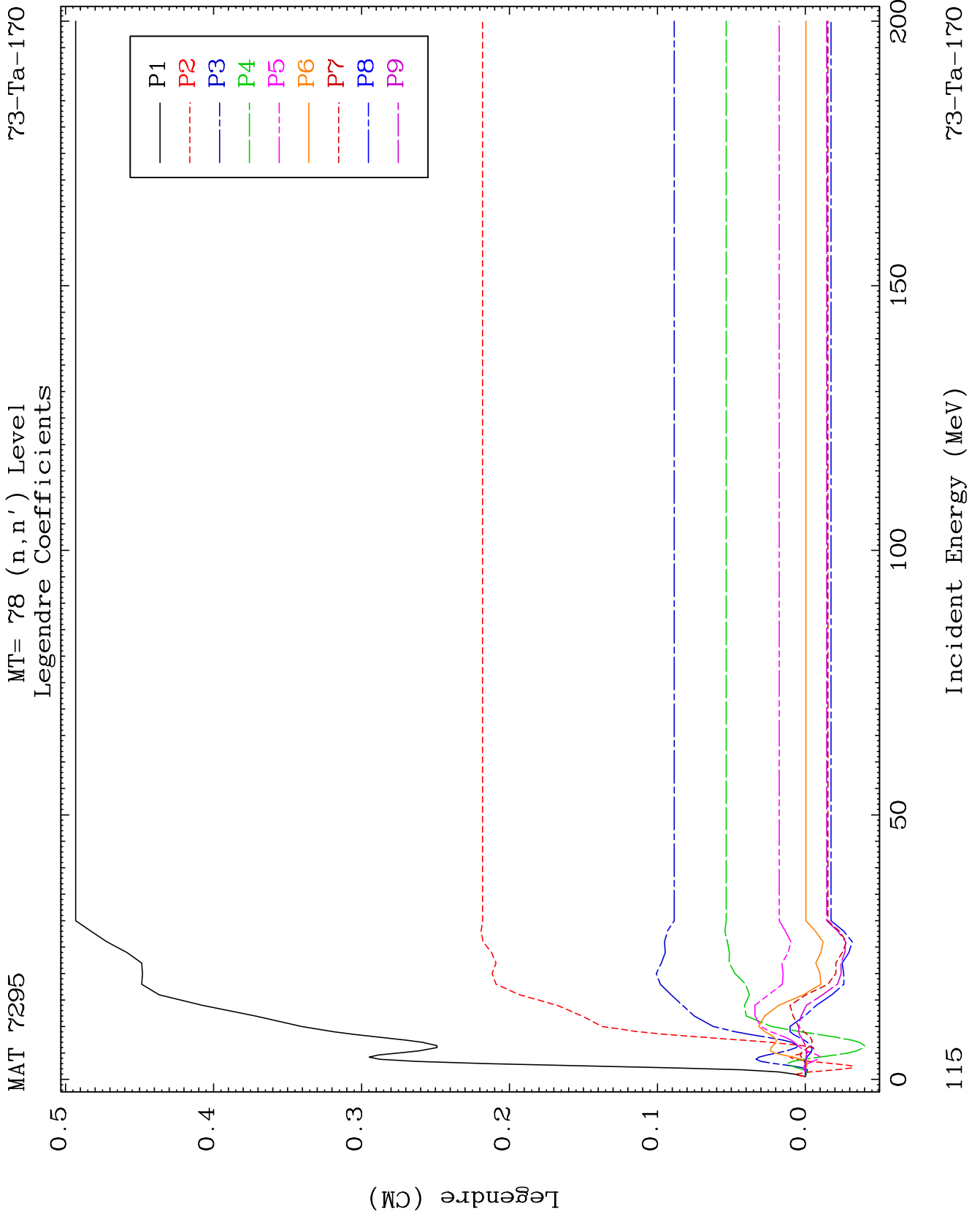
112

Incident Energy (MeV)

73-Ta-170



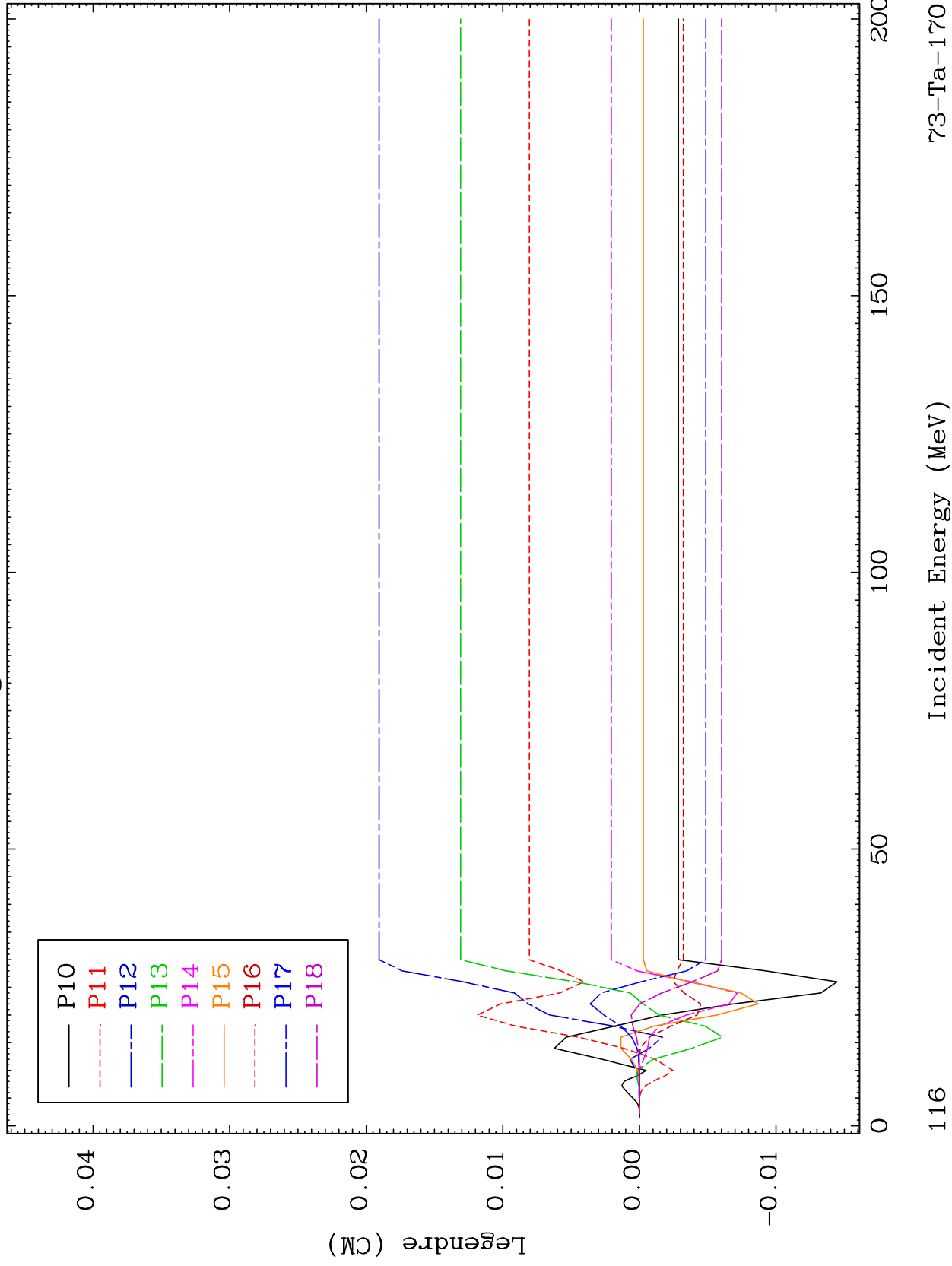




MAT 7295

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

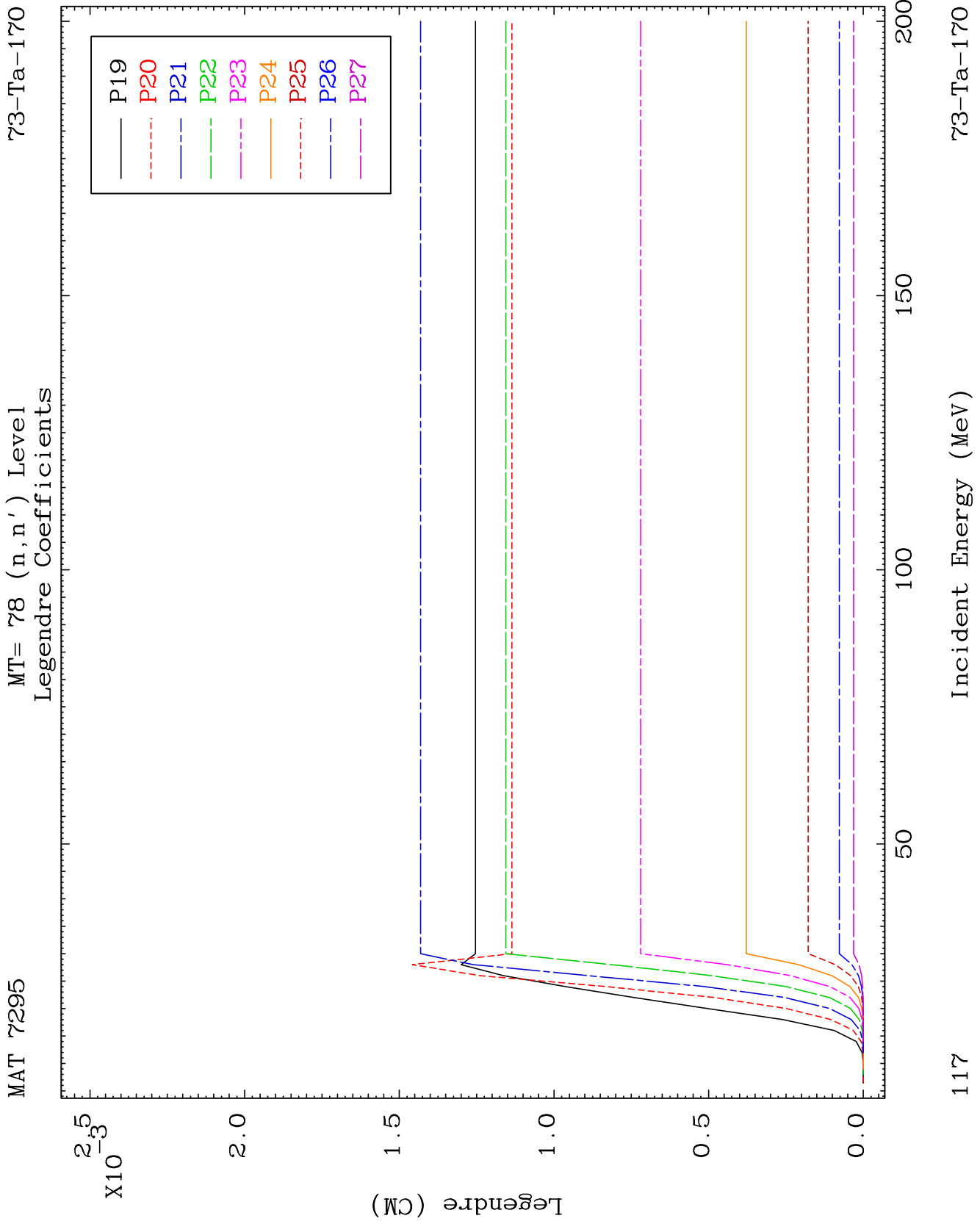
73-Ta-170

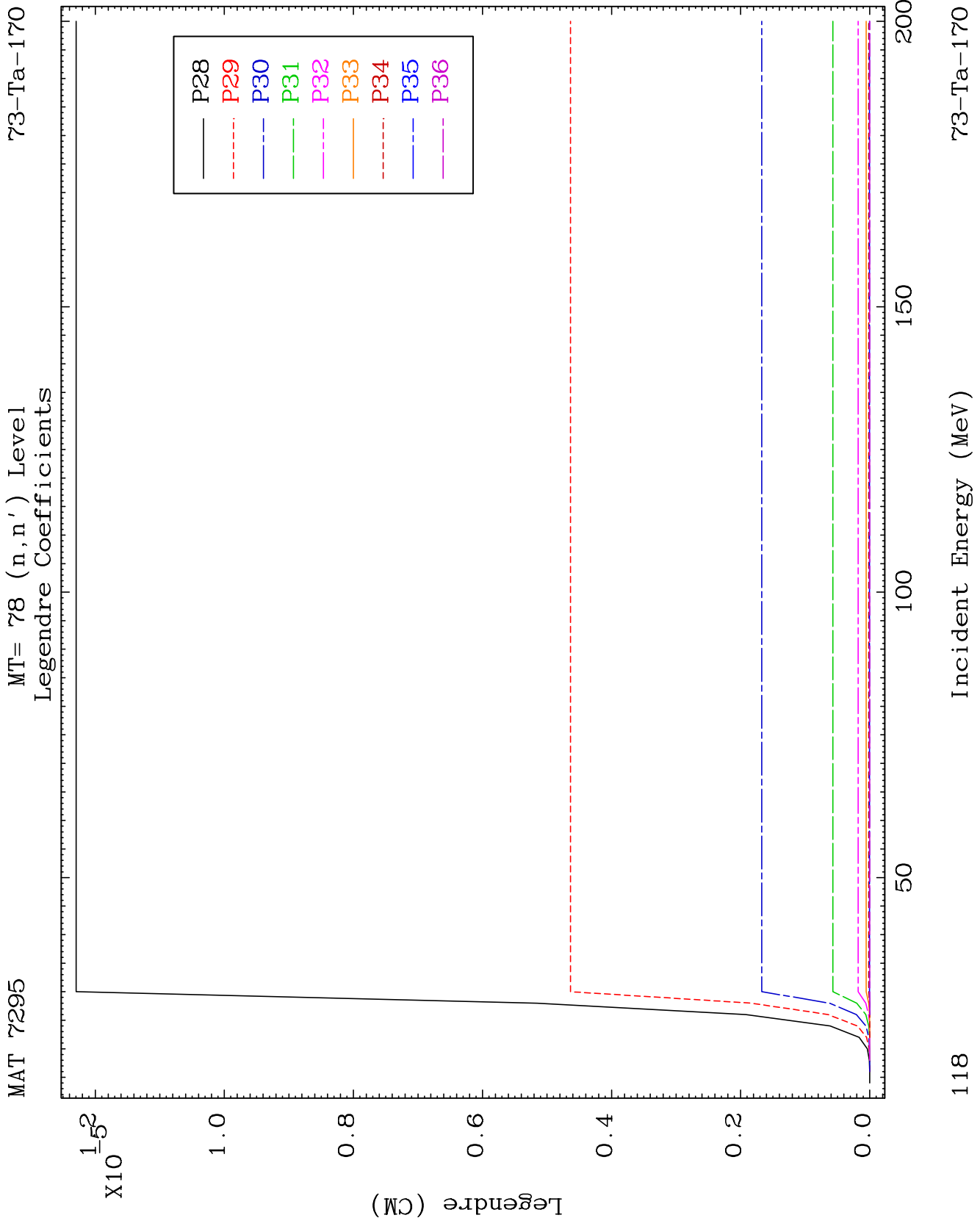


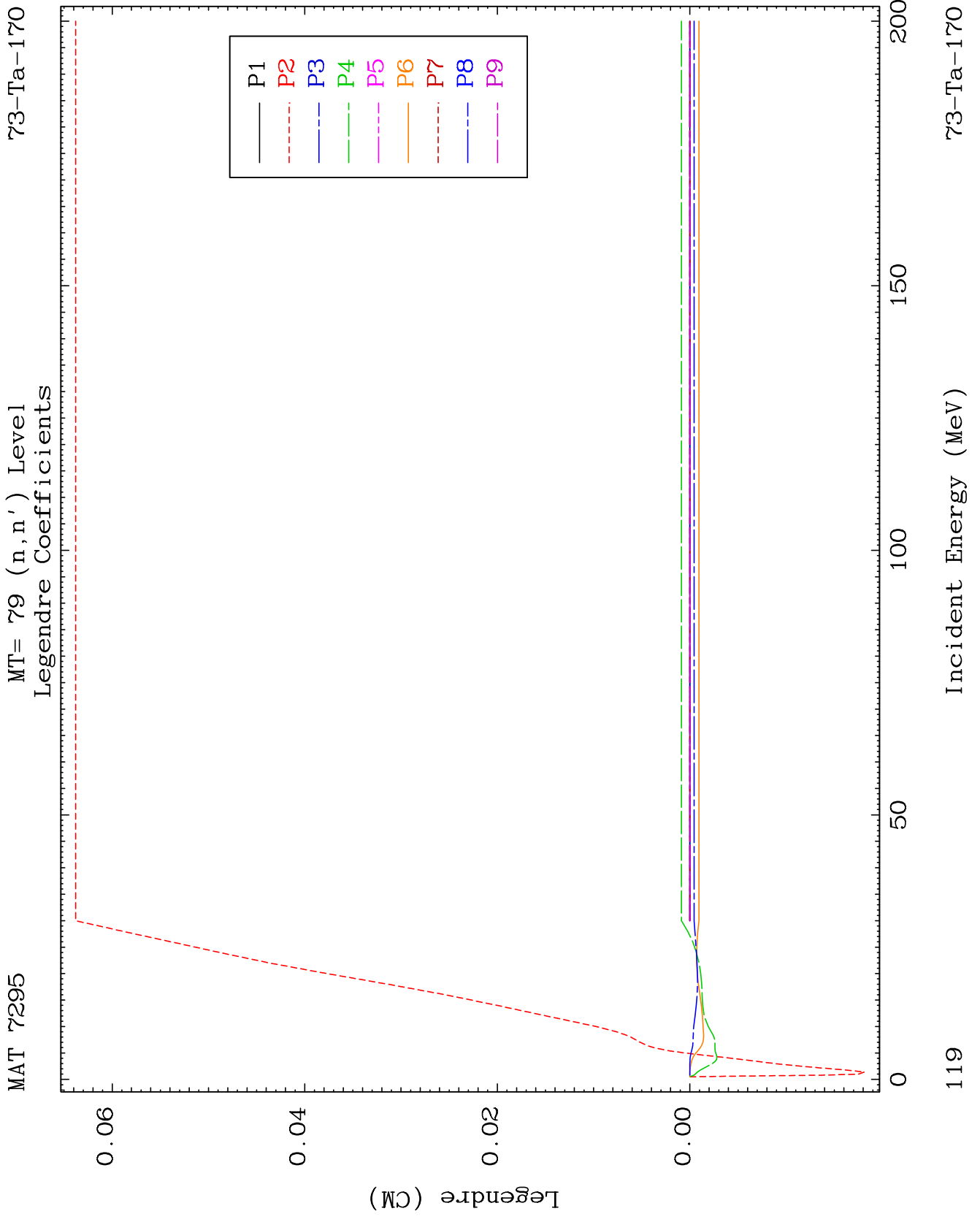
116

Incident Energy (MeV)

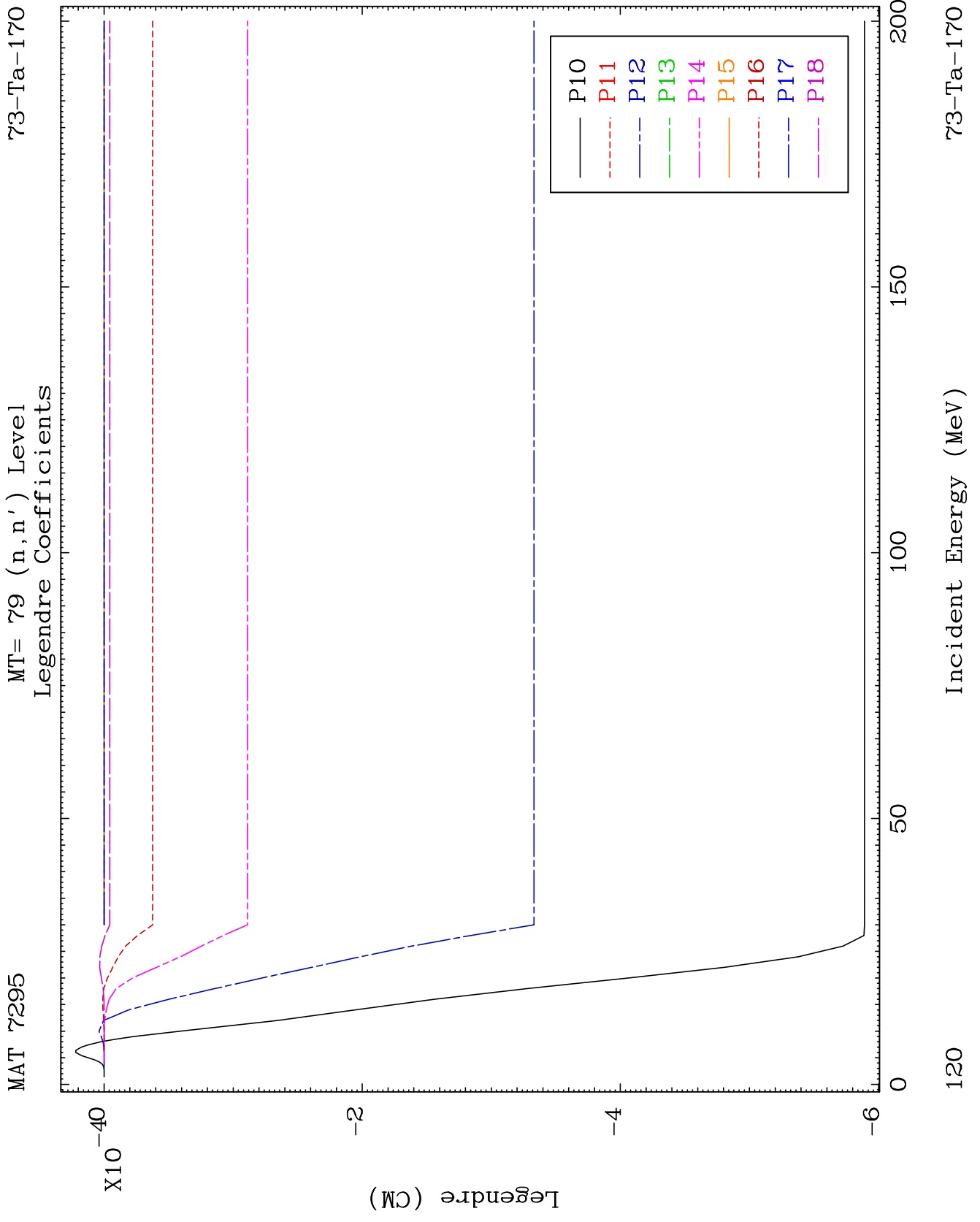
73-Ta-170

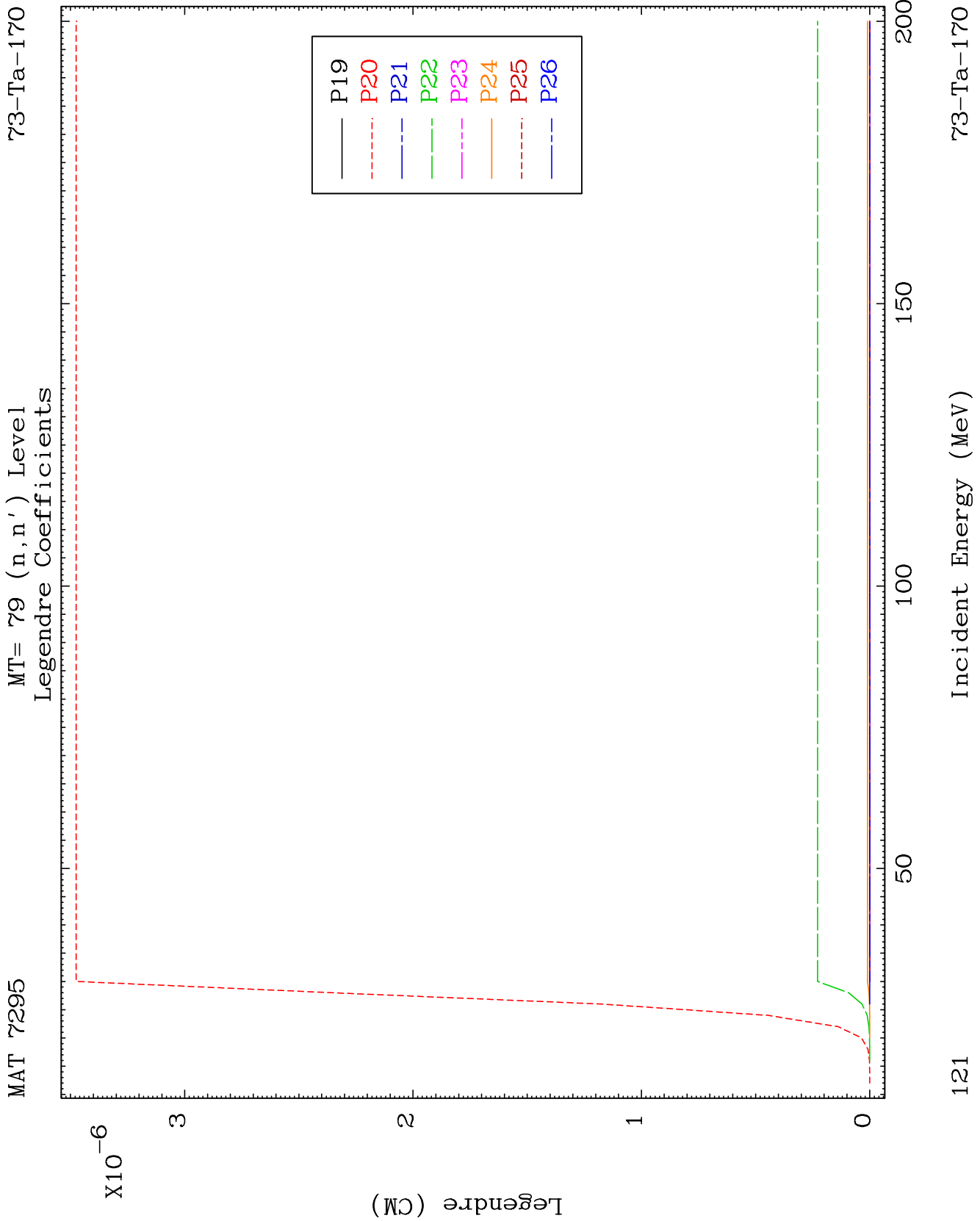










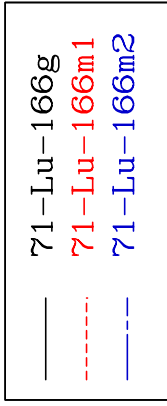
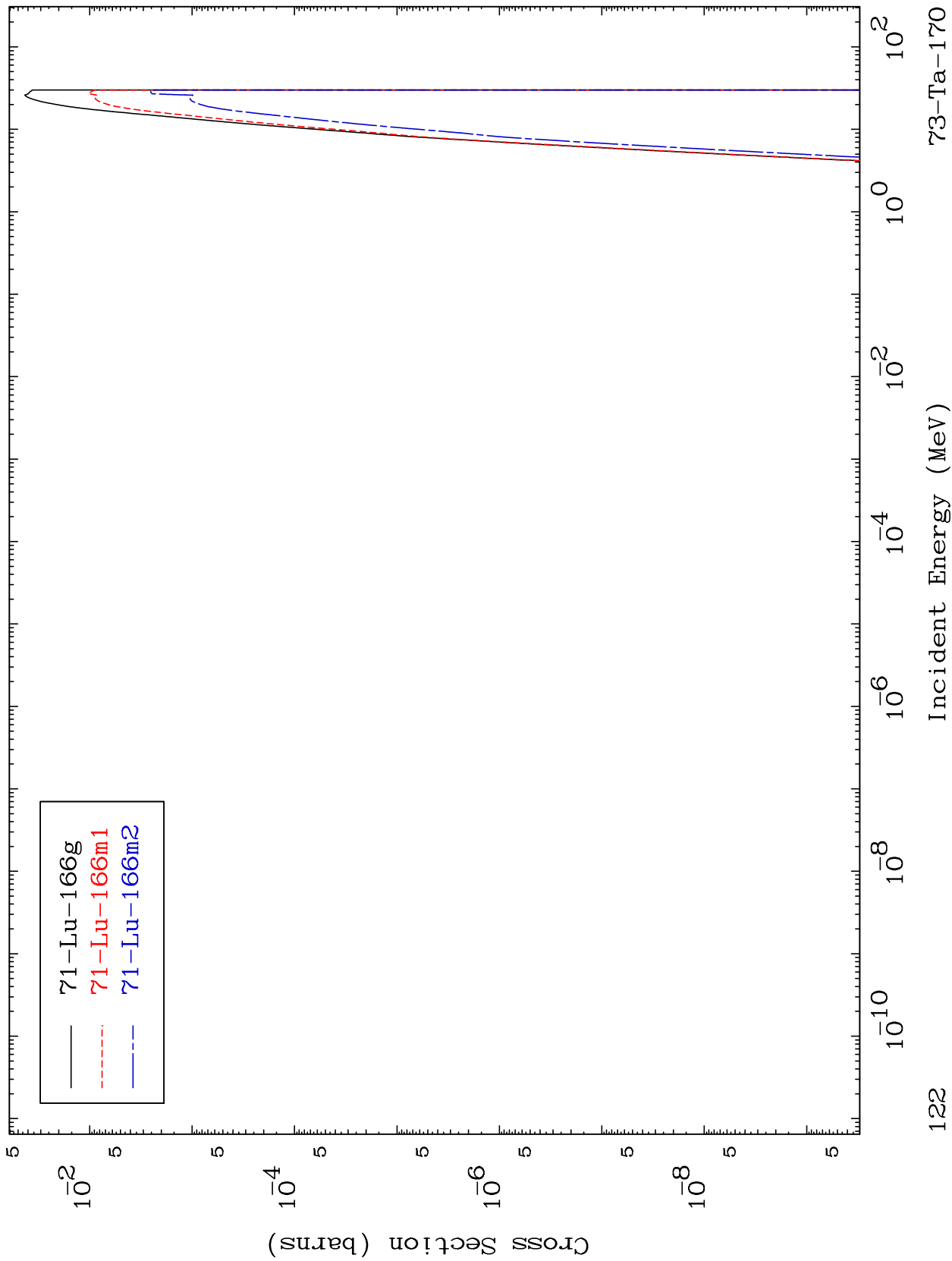


MAT 7295

$(n, n') \alpha$

$^{73}\text{Ta-170}$

Radionuclide Production Cross Section

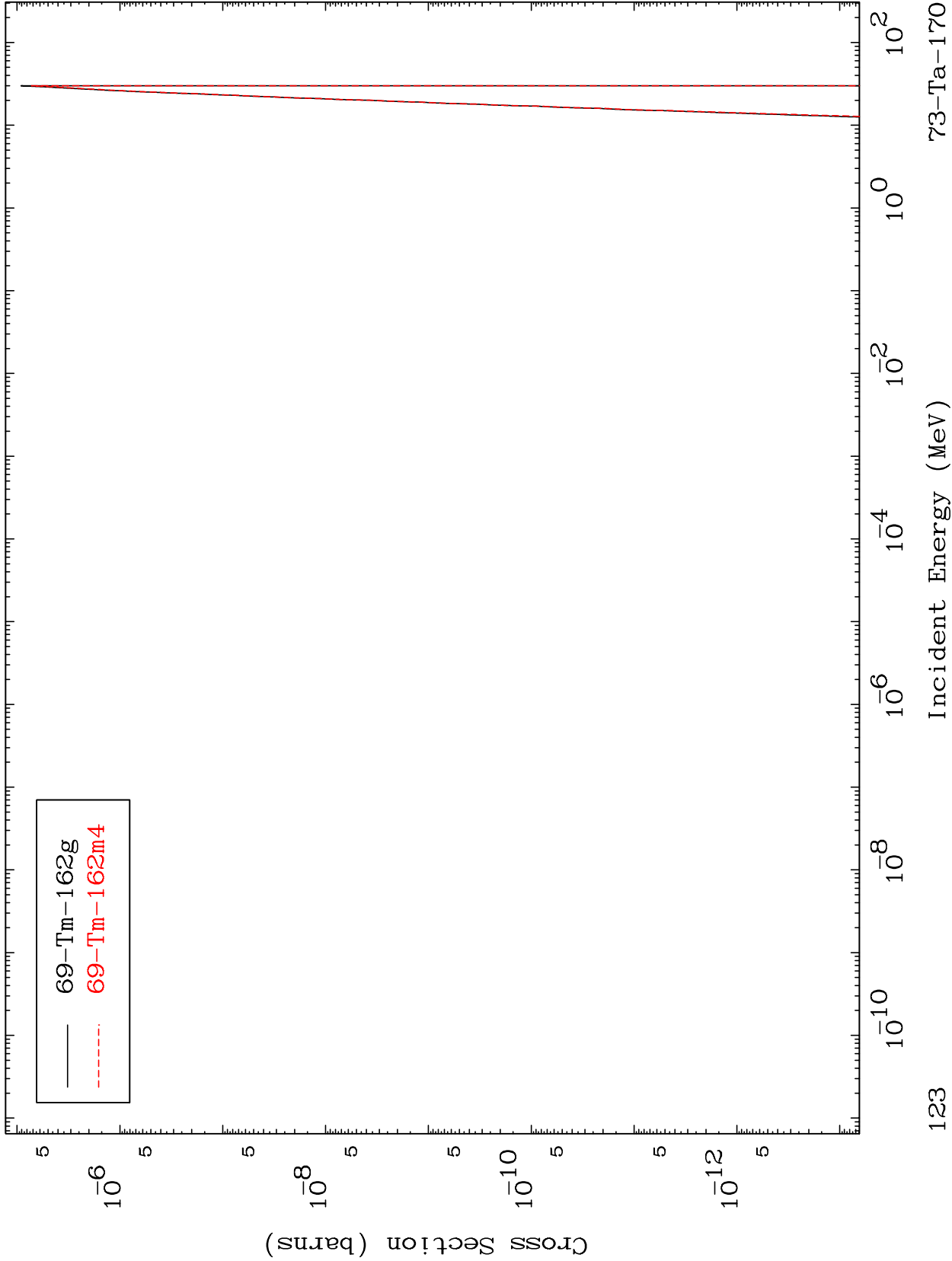


MAT 7295

(n,n') 2α

73-Ta-170

Radionuclide Production Cross Section

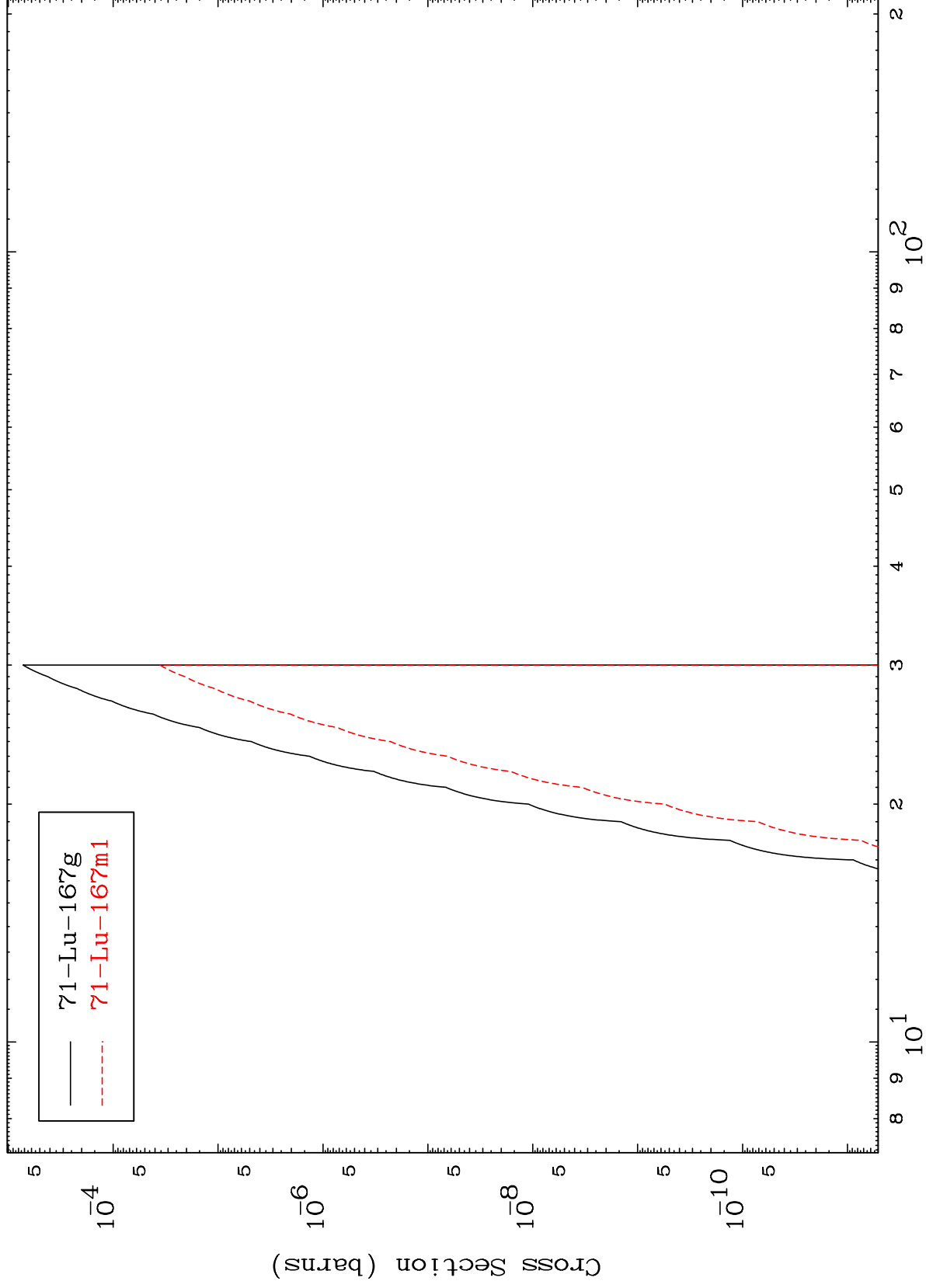


MAT 7295

(n,n') He-3

73-Ta-170

Radionuclide Production Cross Section



124

Incident Energy (MeV)

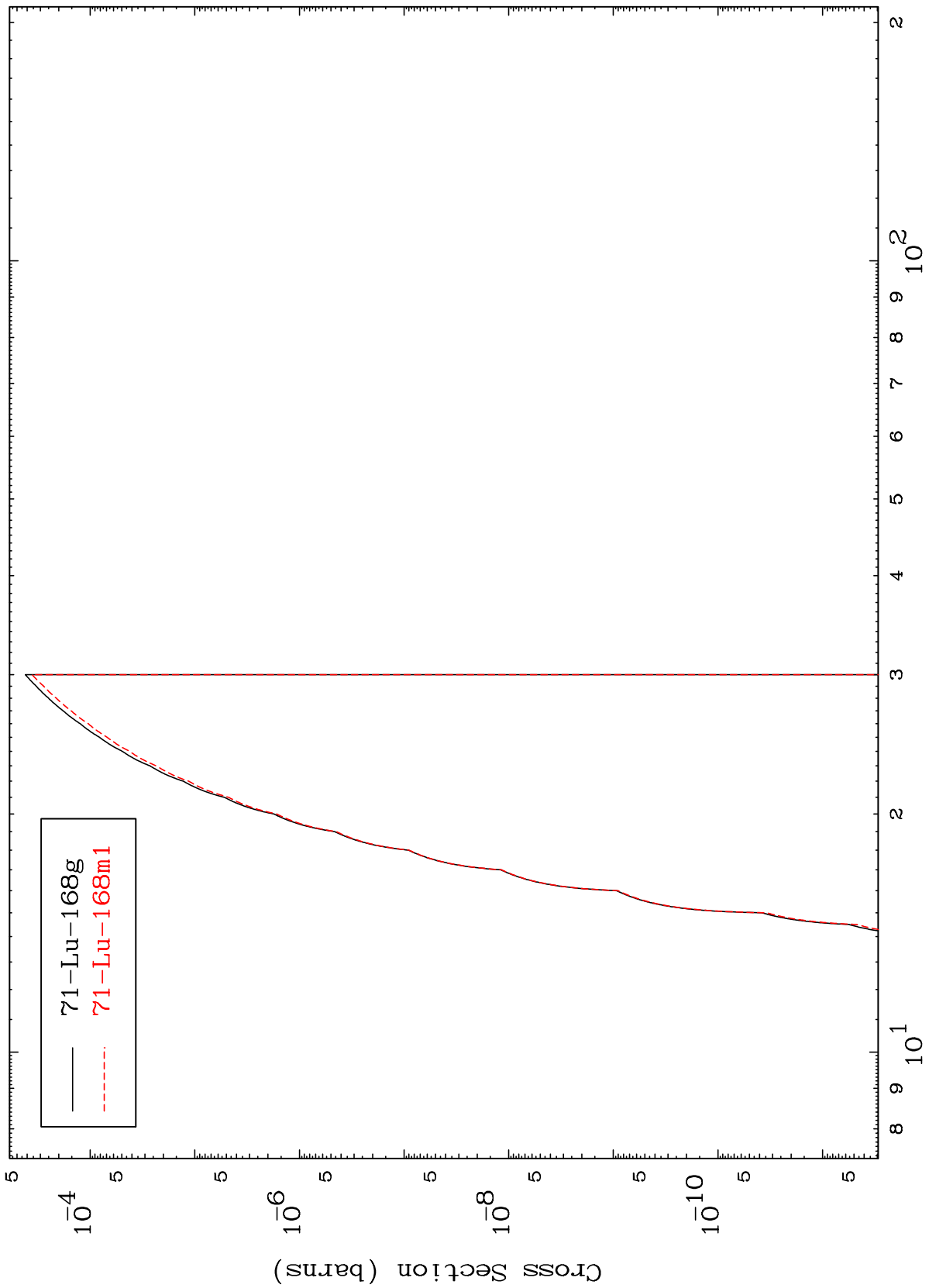
73-Ta-170

MAT 7295

(n,2n) p

73-Ta-170

Radionuclide Production Cross Section



71-Lu-168g  
71-Lu-168m1

125

Incident Energy (MeV)

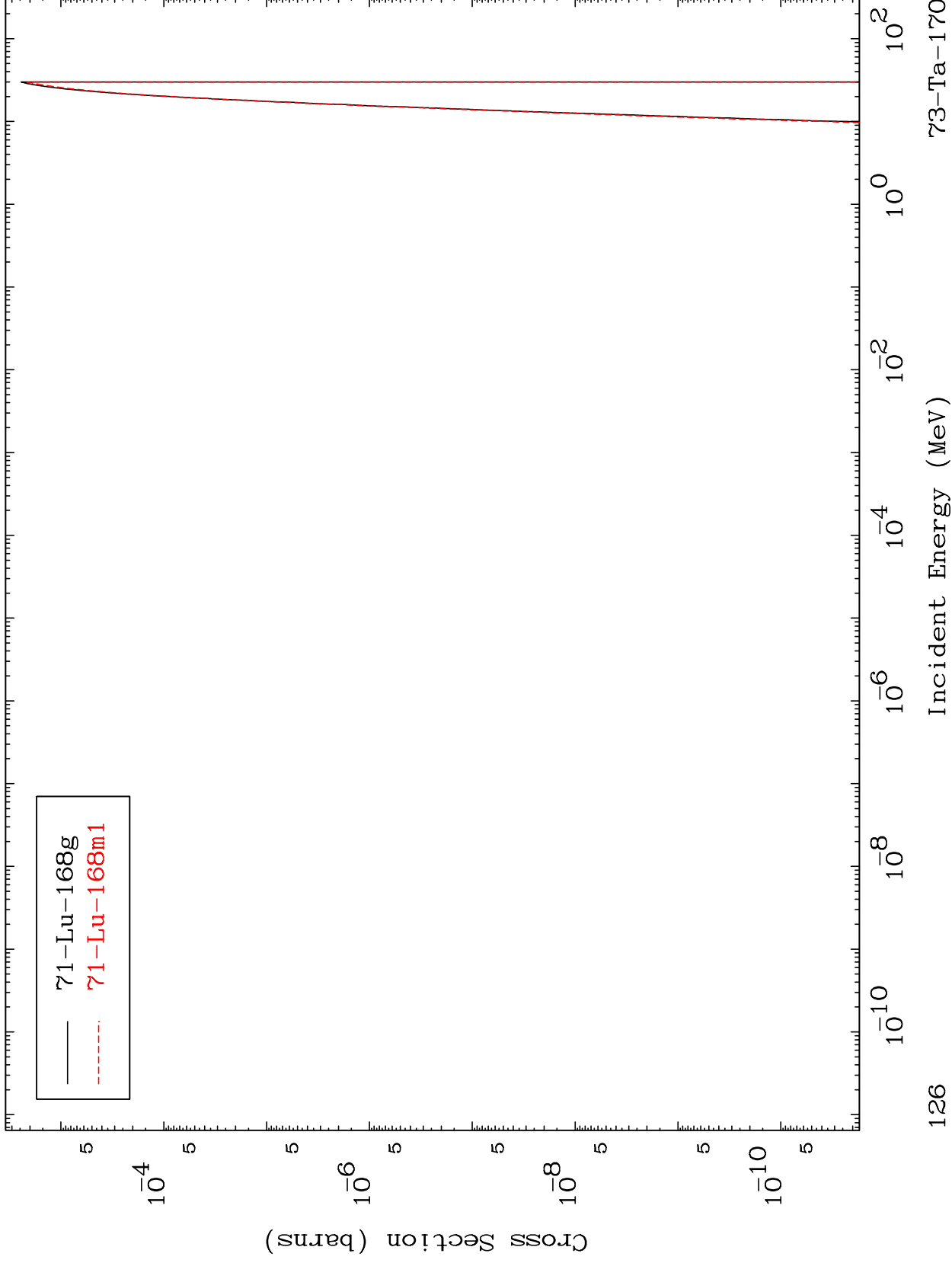
73-Ta-170

MAT 7295

(n,He-3)

73-Ta-170

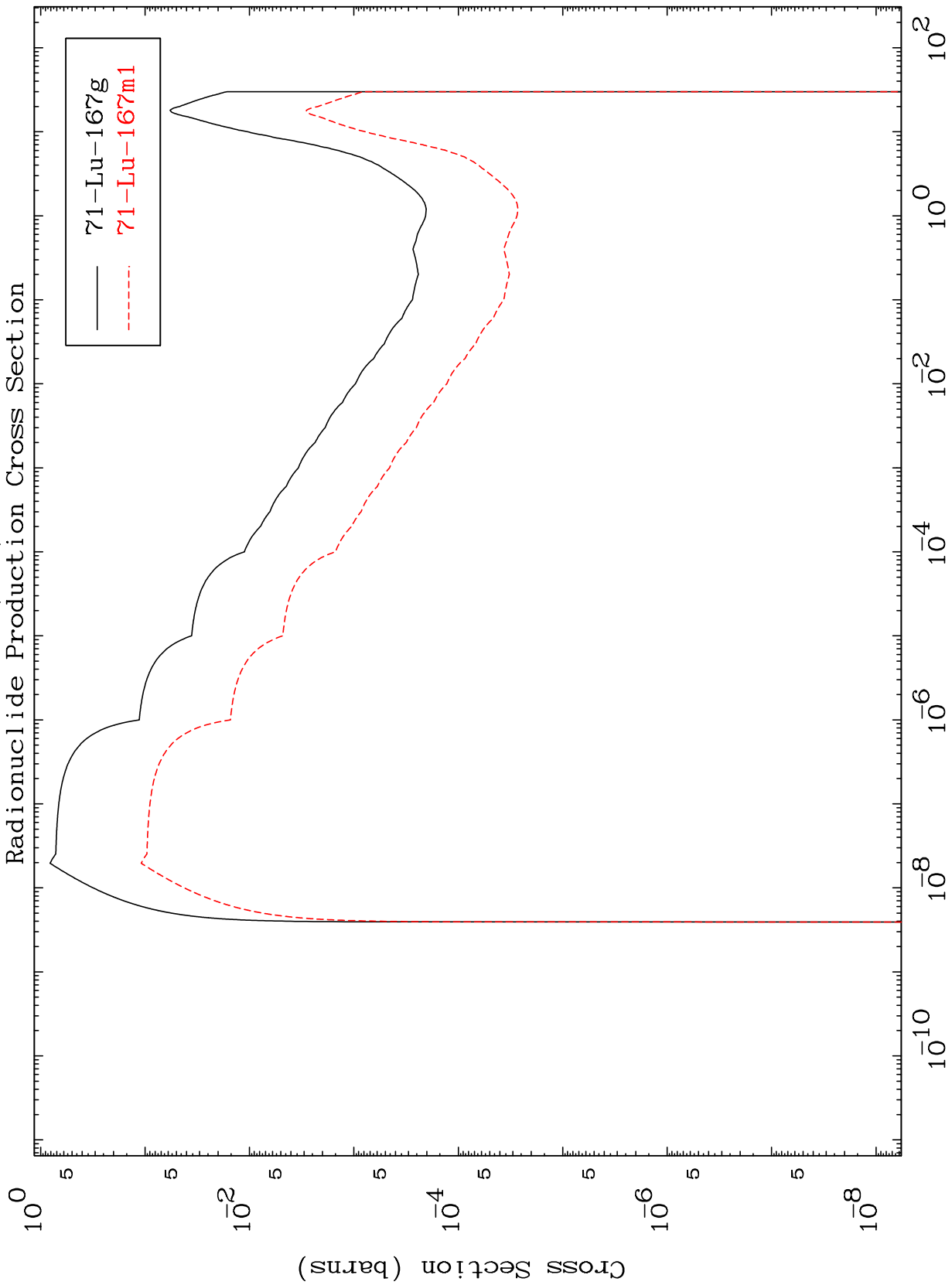
Radionuclide Production Cross Section



MAT 7295

73-Ta-170

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



127

73-Ta-170

Incident Energy (MeV)

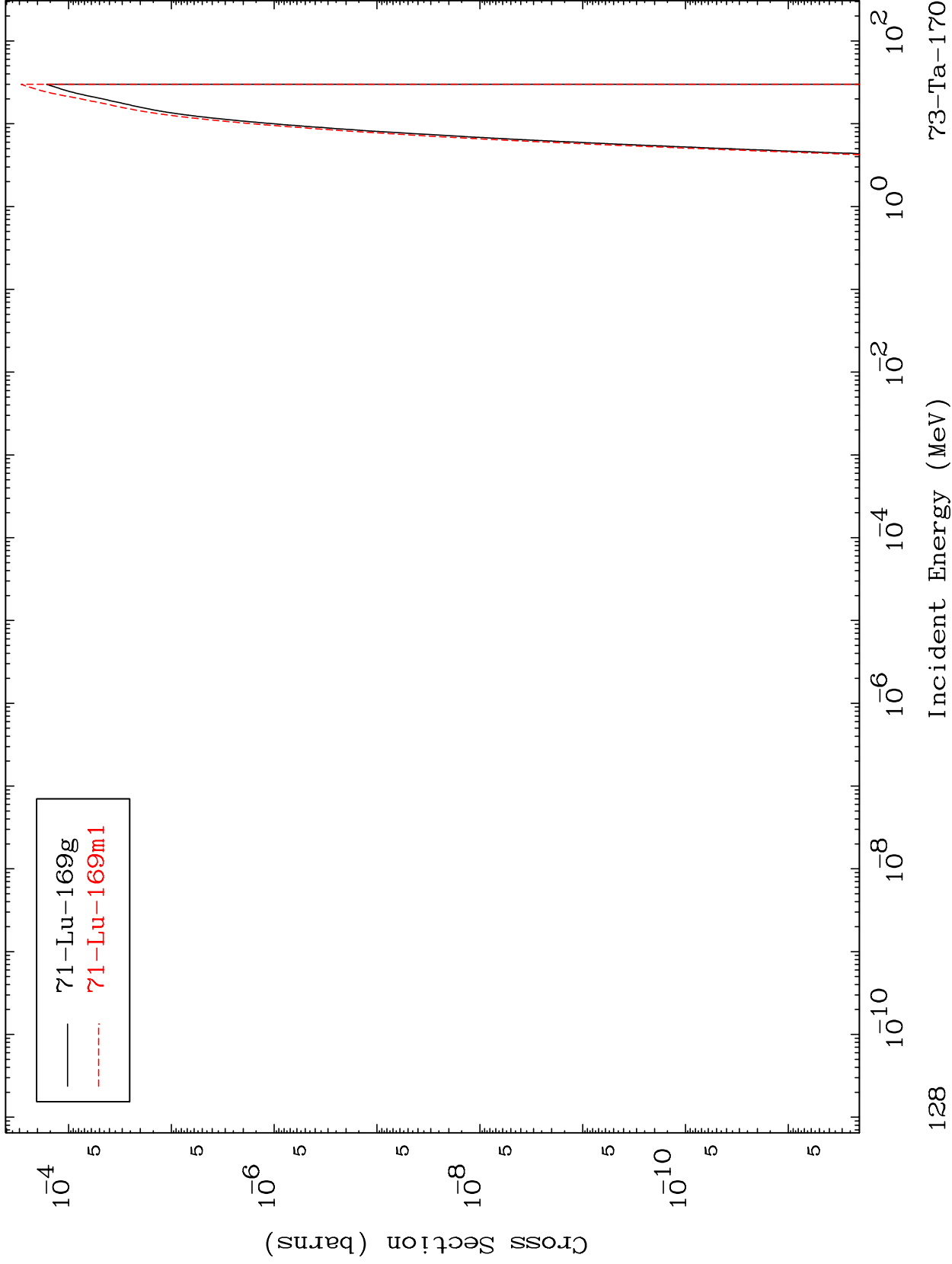


MAT 7295

(n,2p)

<sup>73</sup>Ta-170

Radionuclide Production Cross Section



128

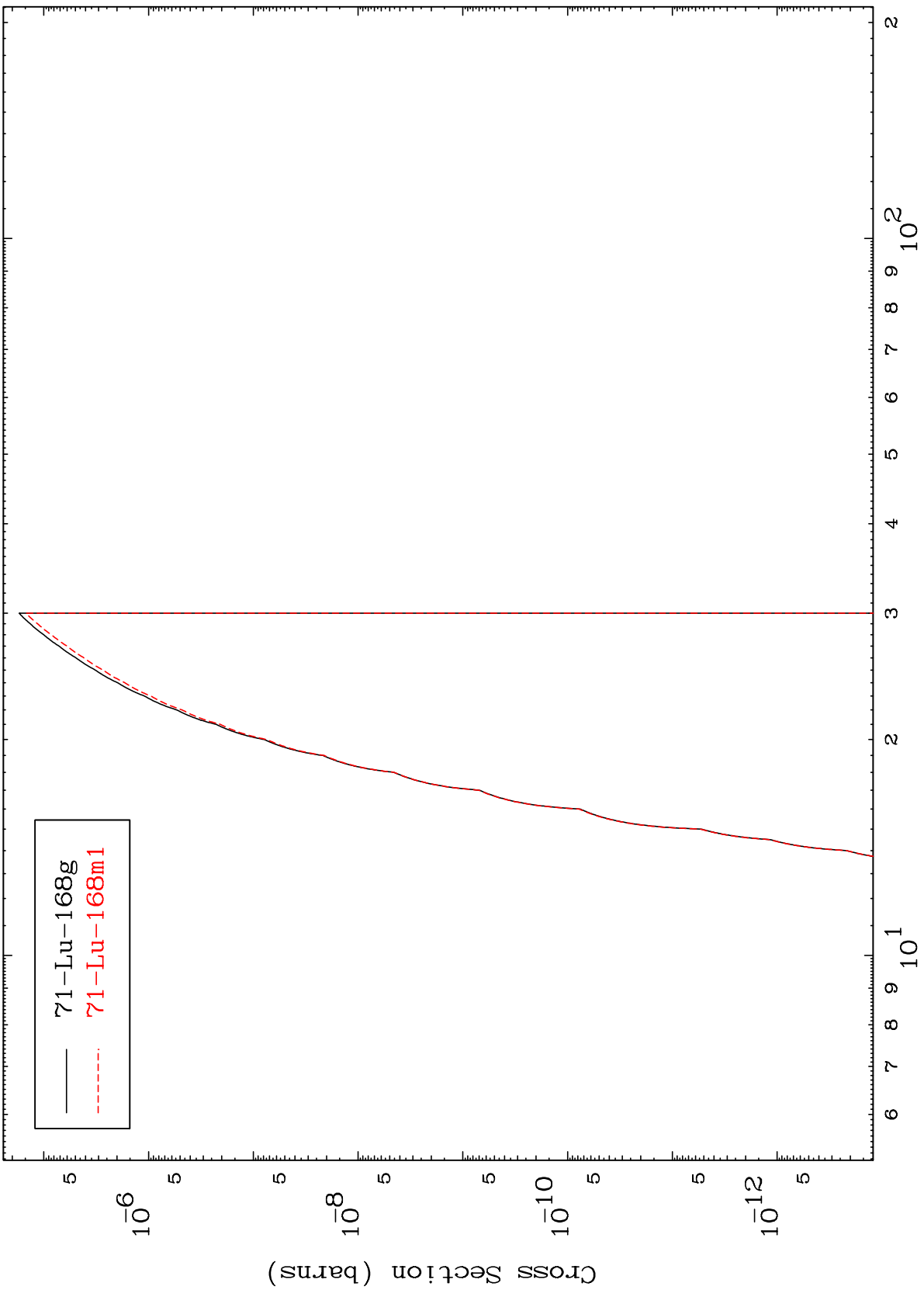
<sup>73</sup>Ta-170

MAT 7295

(n,p) d

<sup>73</sup>Ta-170

Radionuclide Production Cross Section



129

Incident Energy (MeV)

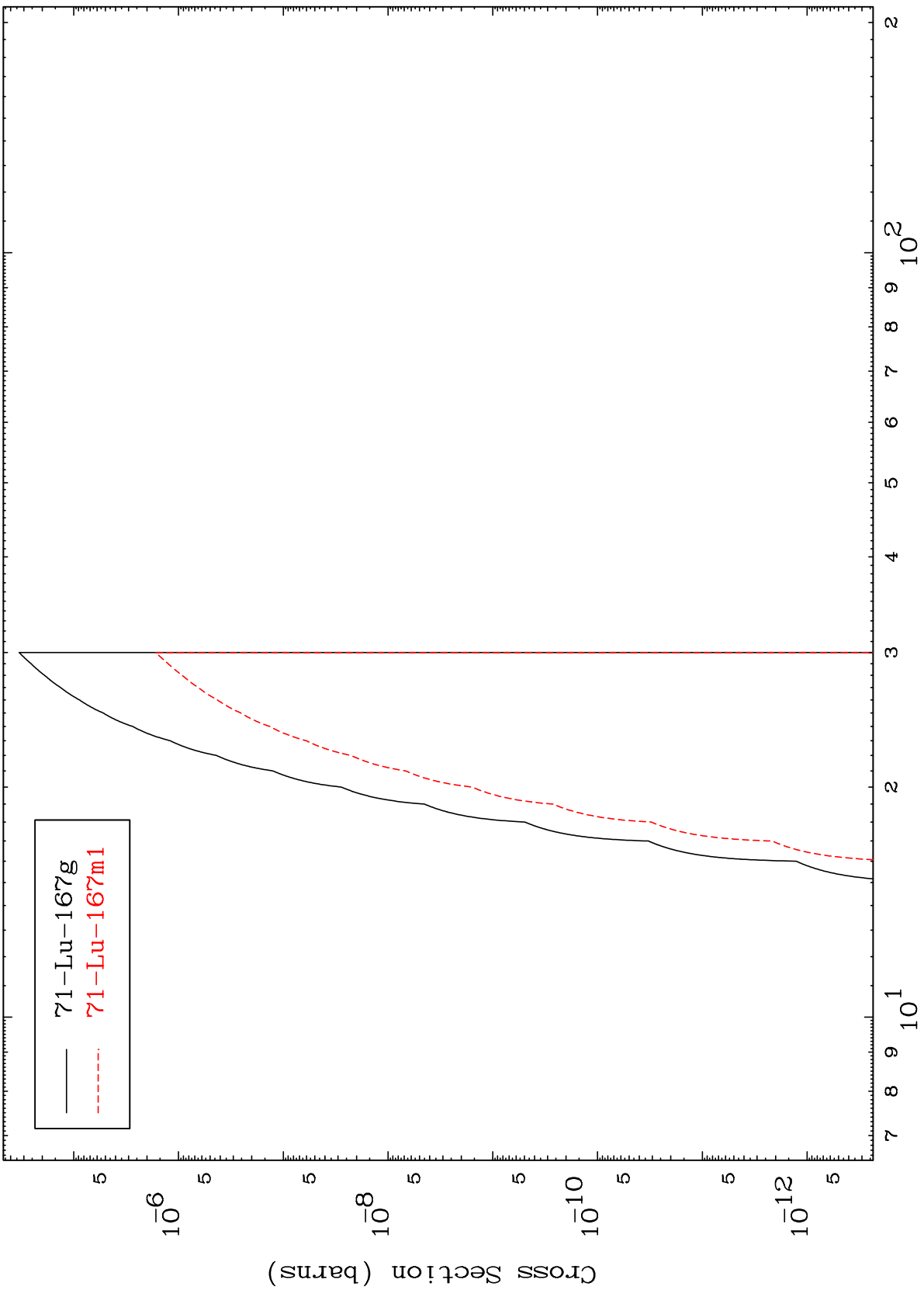
<sup>73</sup>Ta-170

MAT 7295

(n,p) t

73-Ta-170

Radionuclide Production Cross Section



130

Incident Energy (MeV)

73-Ta-170