

Program EVALPLOT  
(Version 2015-2)

by

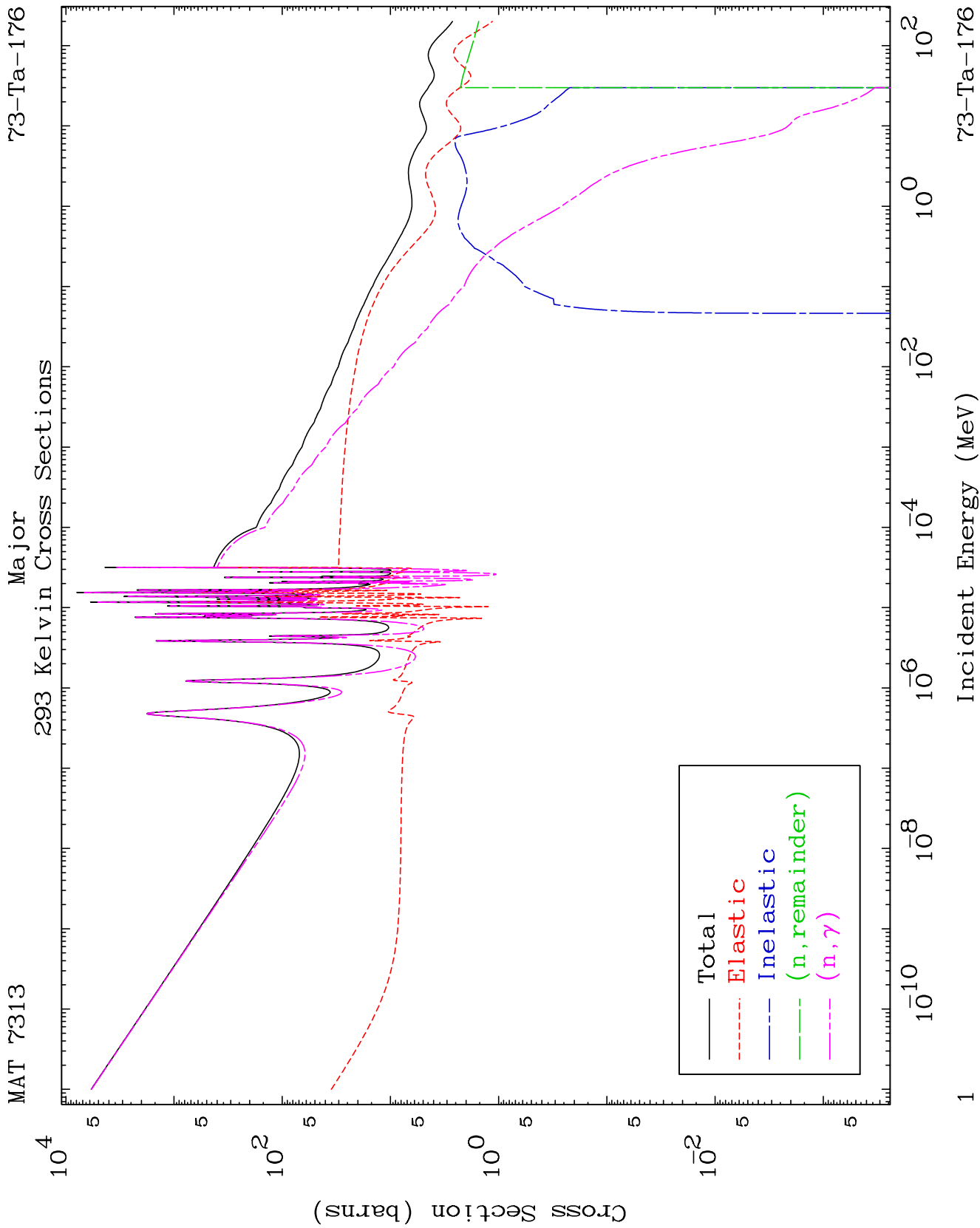
Dermott E. Cullen  
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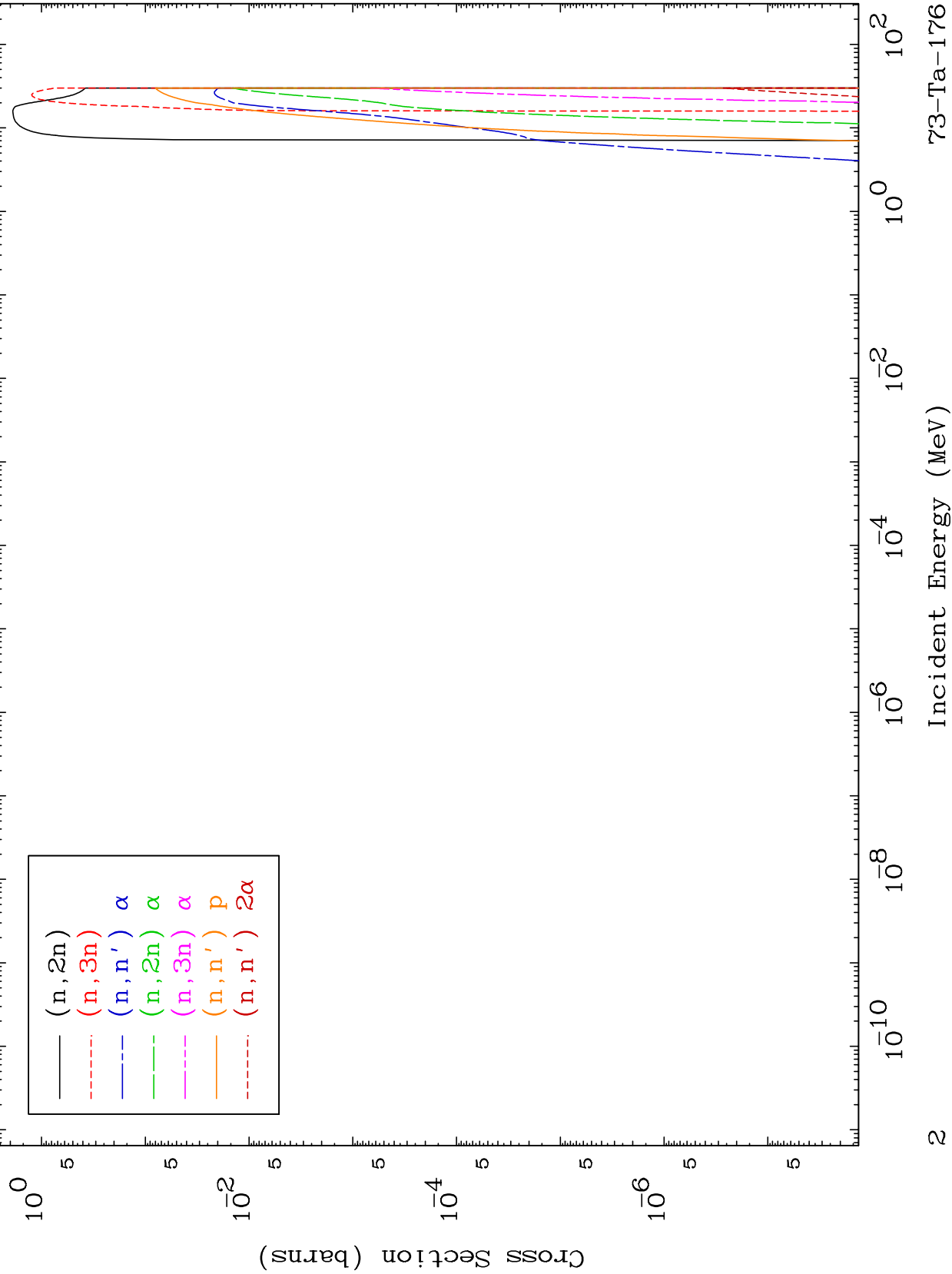
Press Mouse Button to Start



MAT 7313

Neutron Production  
293 Kelvin Cross Sections

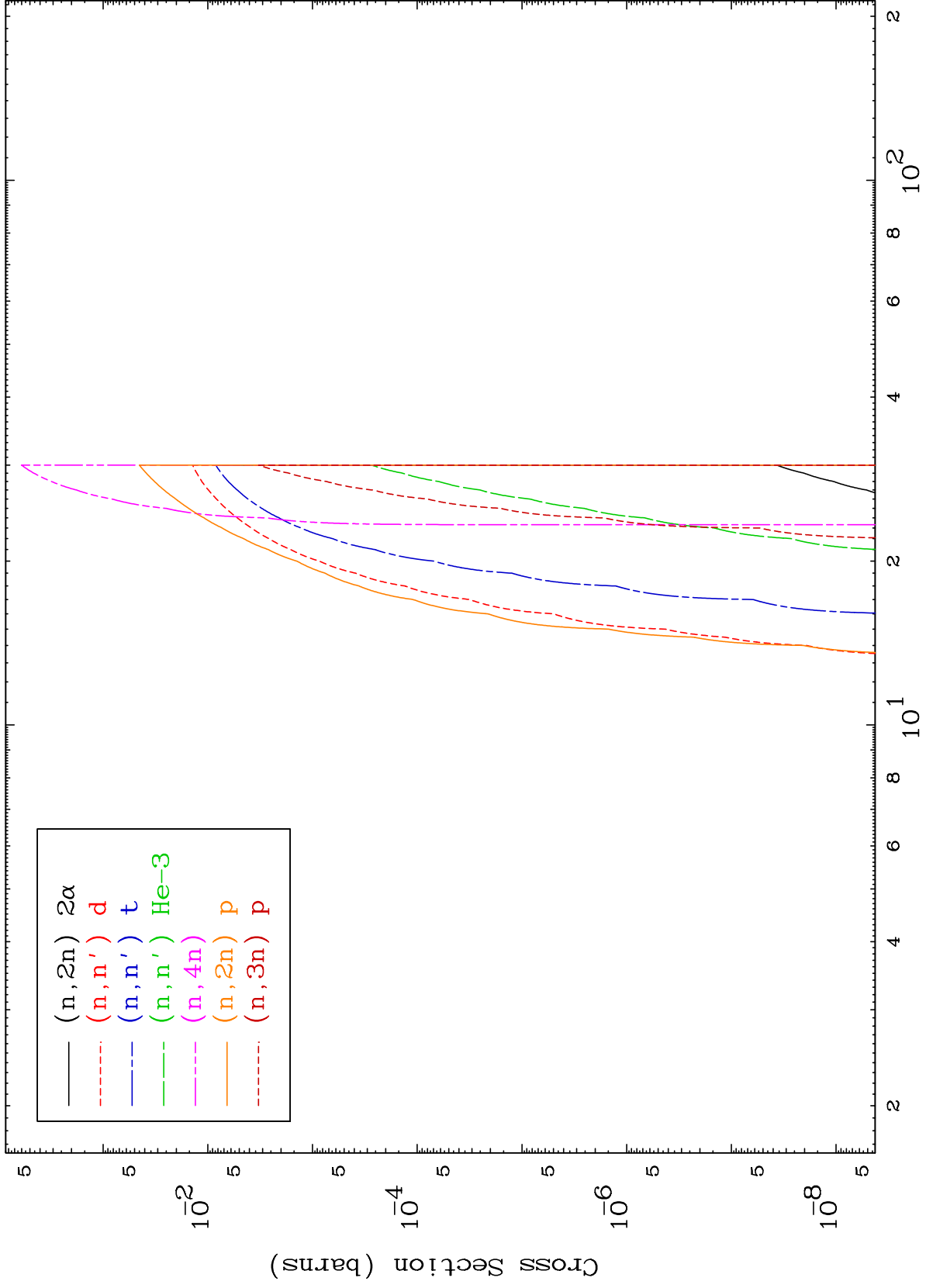
73-Ta-176



MAT 7313

Neutron Production  
293 Kelvin Cross Sections

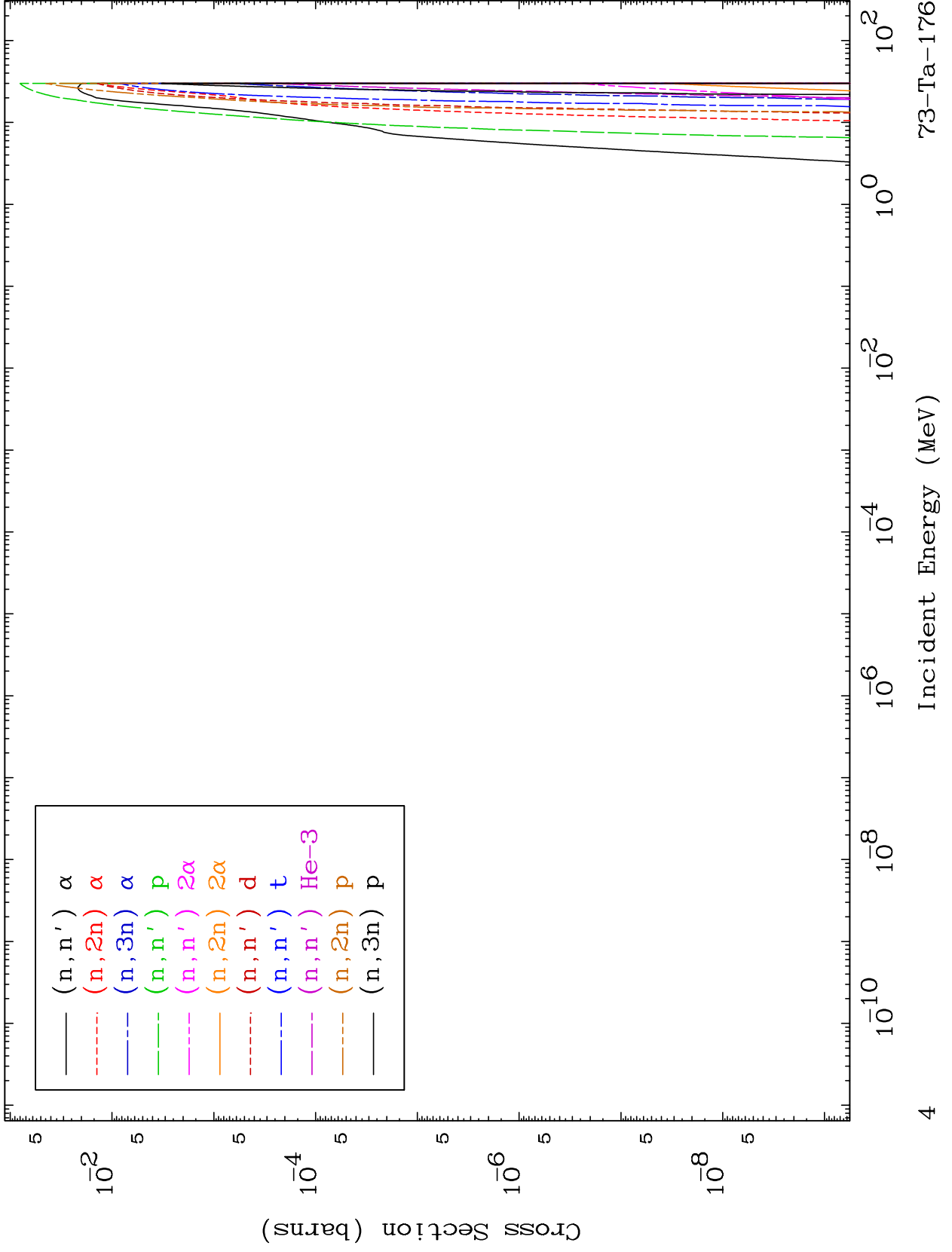
73-Ta-176



MAT 7313

Charged Particle  
293 Kelvin Cross Sections

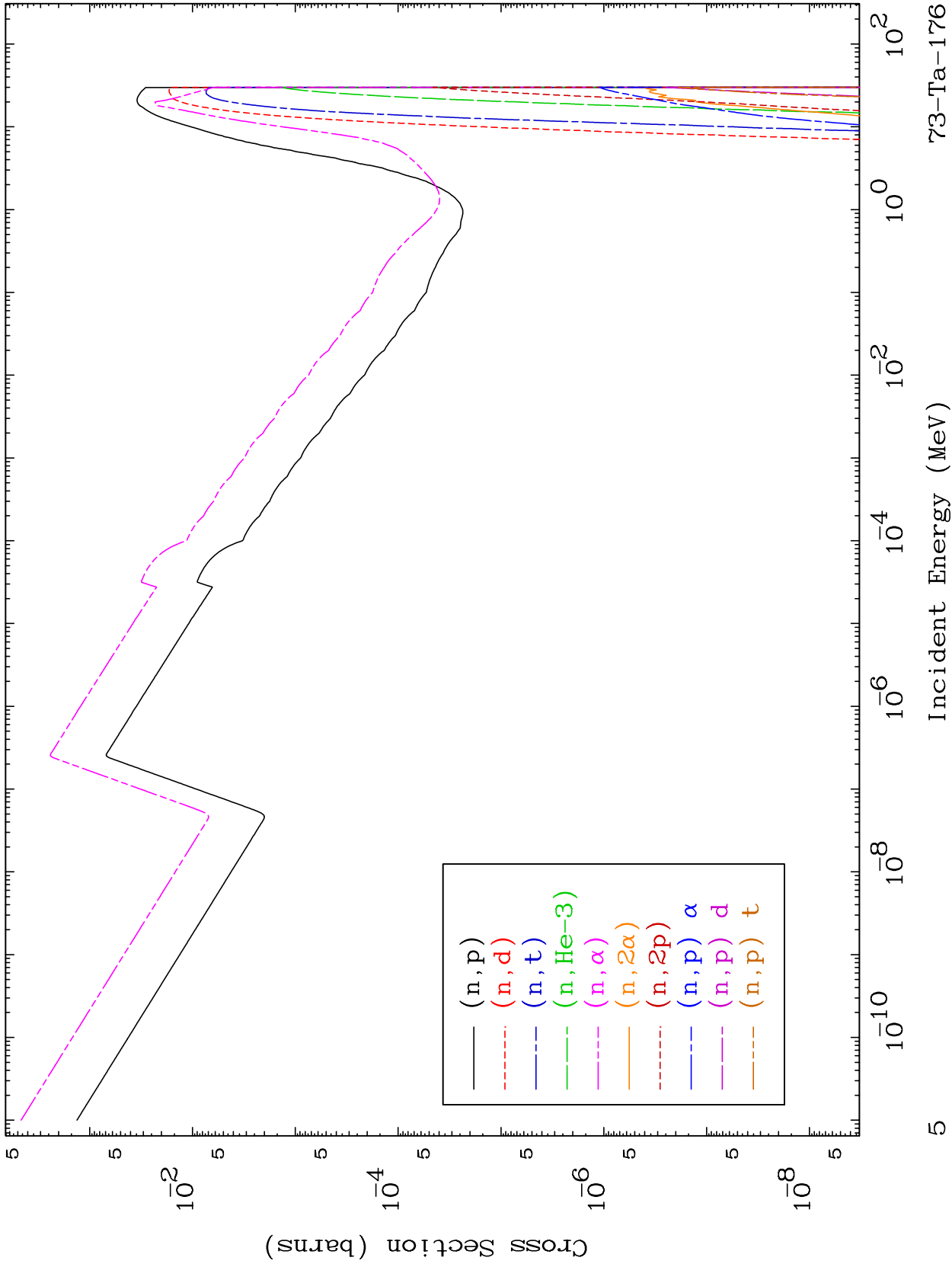
73-Ta-176



MAT 7313

Charged Particle  
293 Kelvin Cross Sections

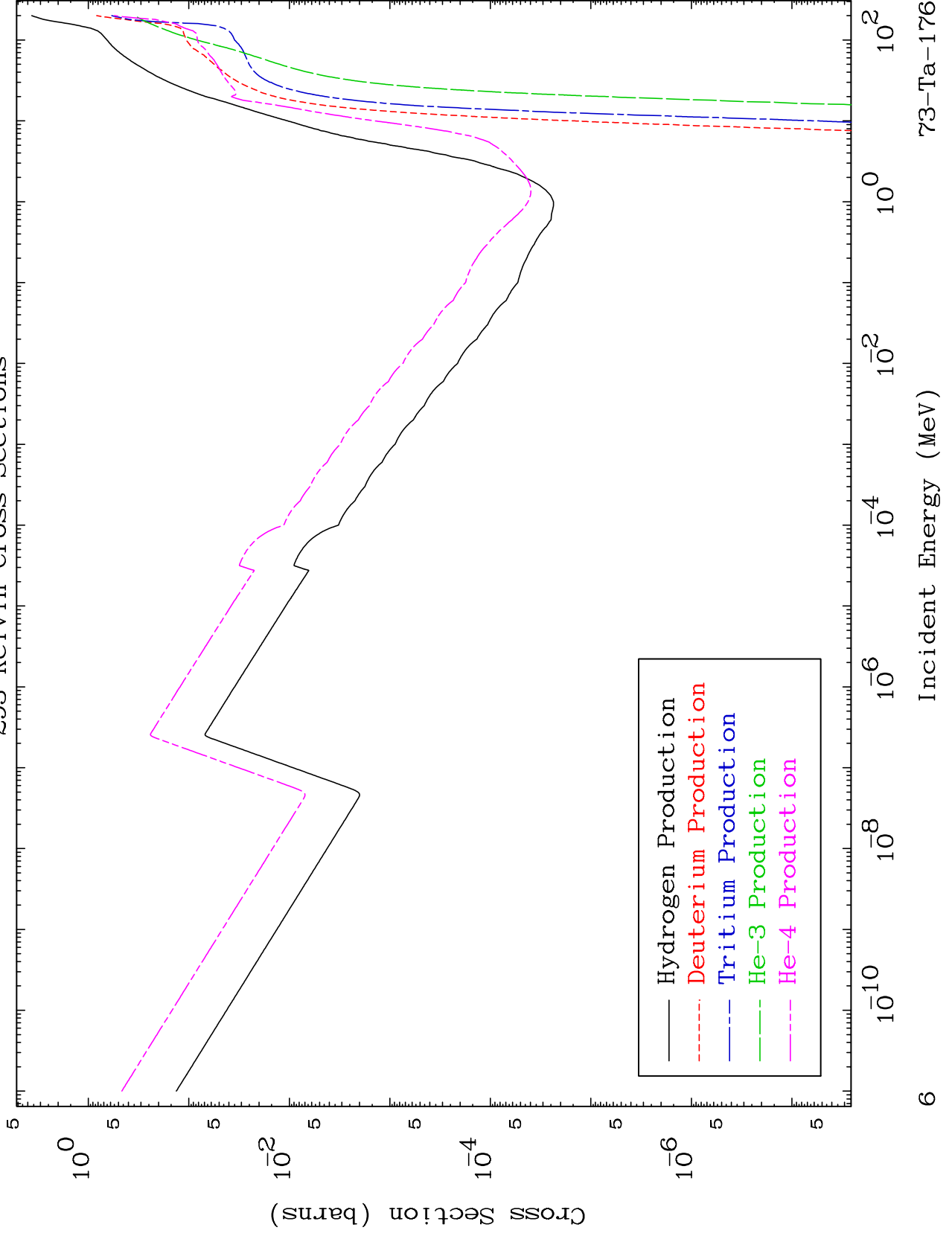
73-Ta-176



MAT 7313

Particle Production  
293 Kelvin Cross Sections

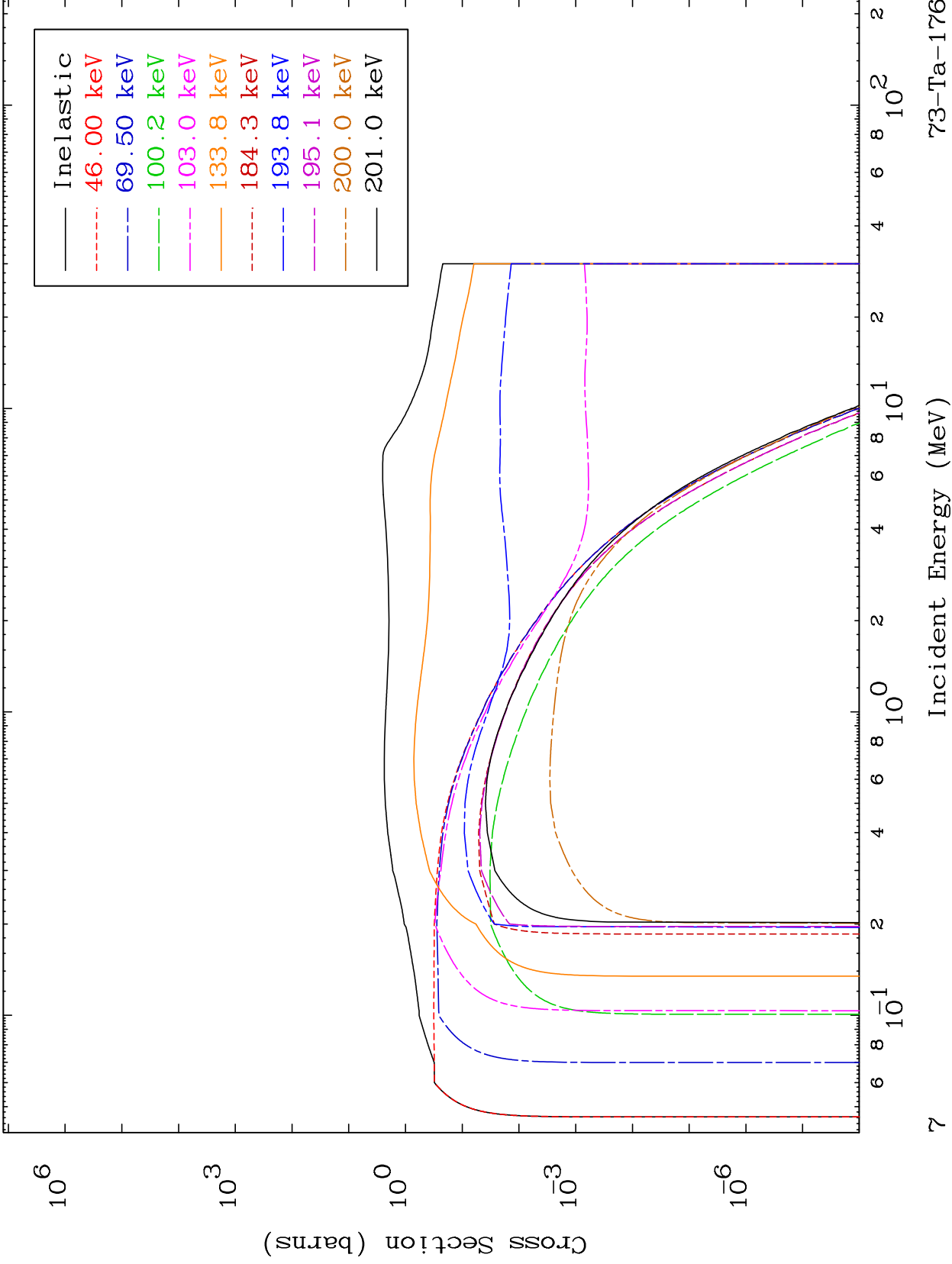
73-Ta-176



MAT 7313

(n,n') Level  
293 Kelvin Cross Sections

73-Ta-176

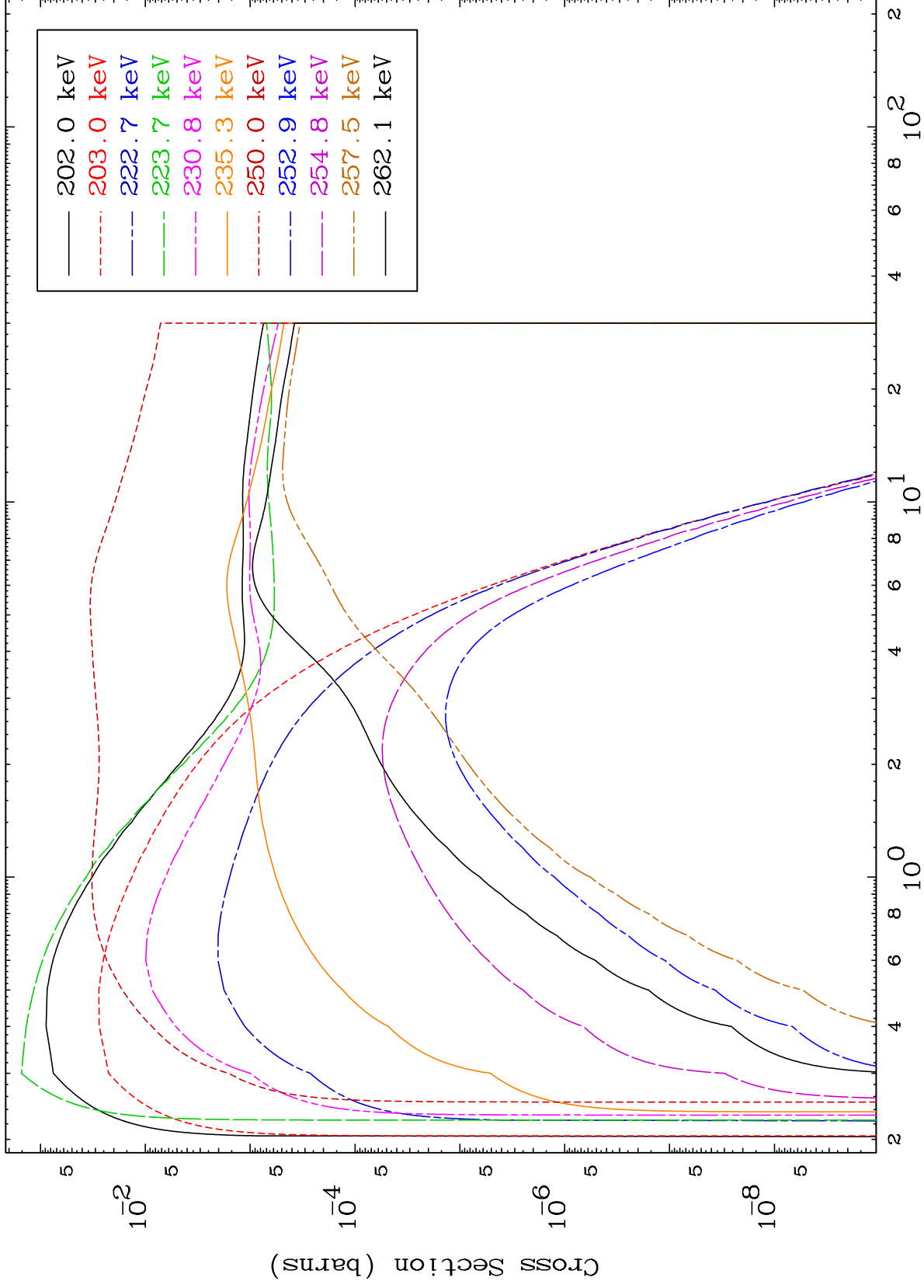




MAT 7313

(n,n') Level  
293 Kelvin Cross Sections

73-Ta-176



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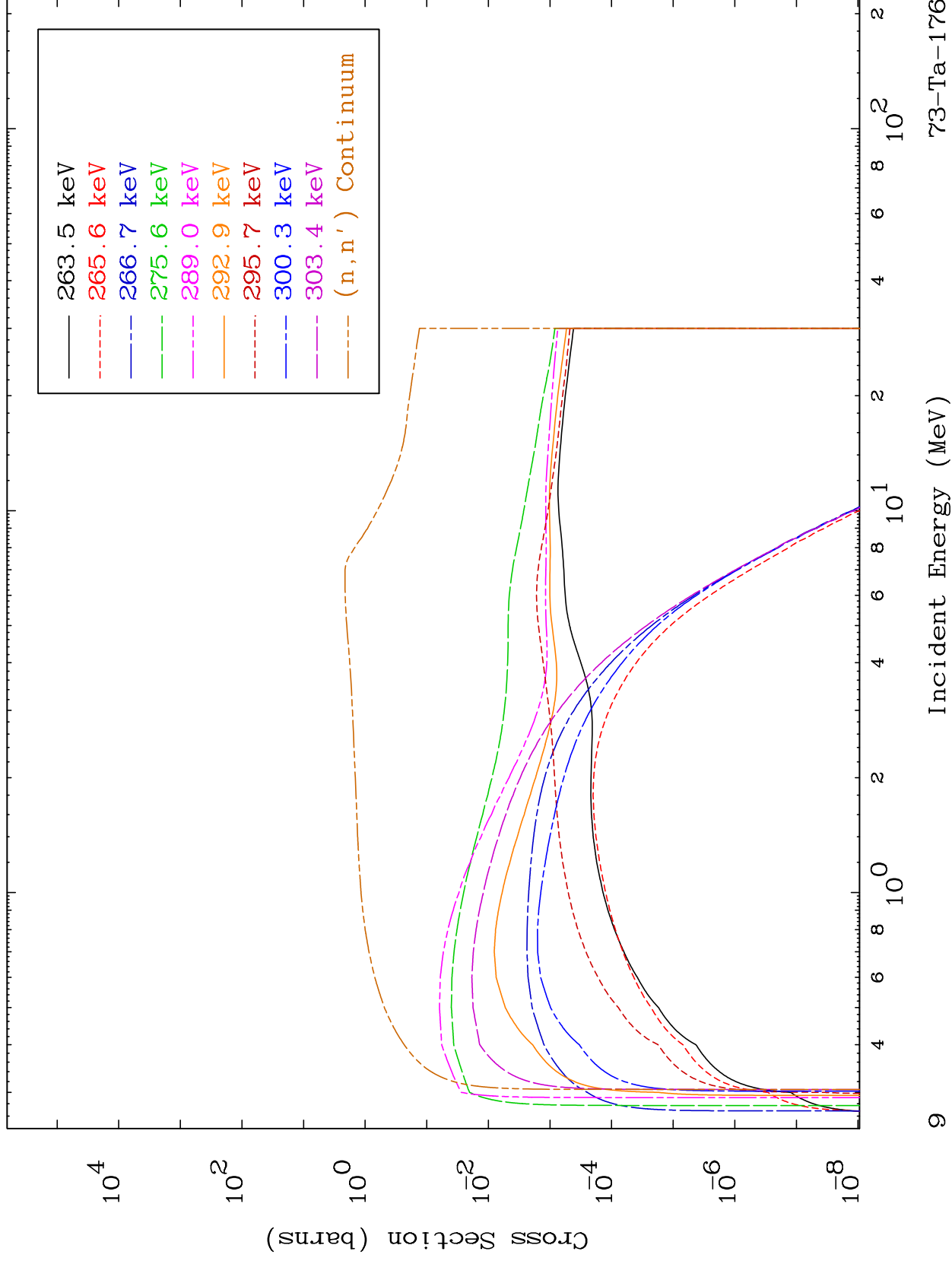
Incident Energy (MeV)

73-Ta-176

MAT 7313

(n,n') Level  
293 Kelvin Cross Sections

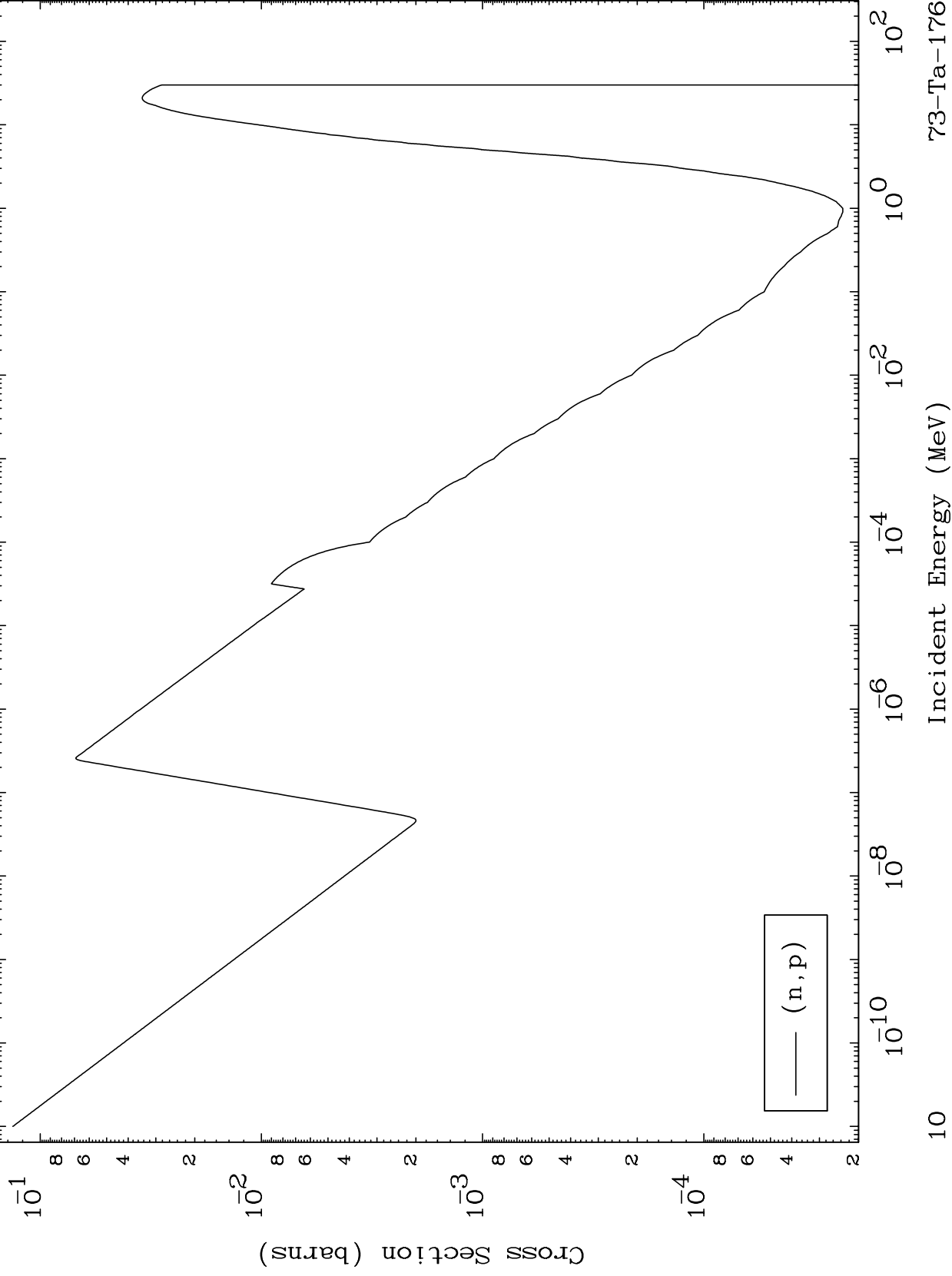
73-Ta-176



MAT 7313

(n,p) Levels  
293 Kelvin Cross Sections

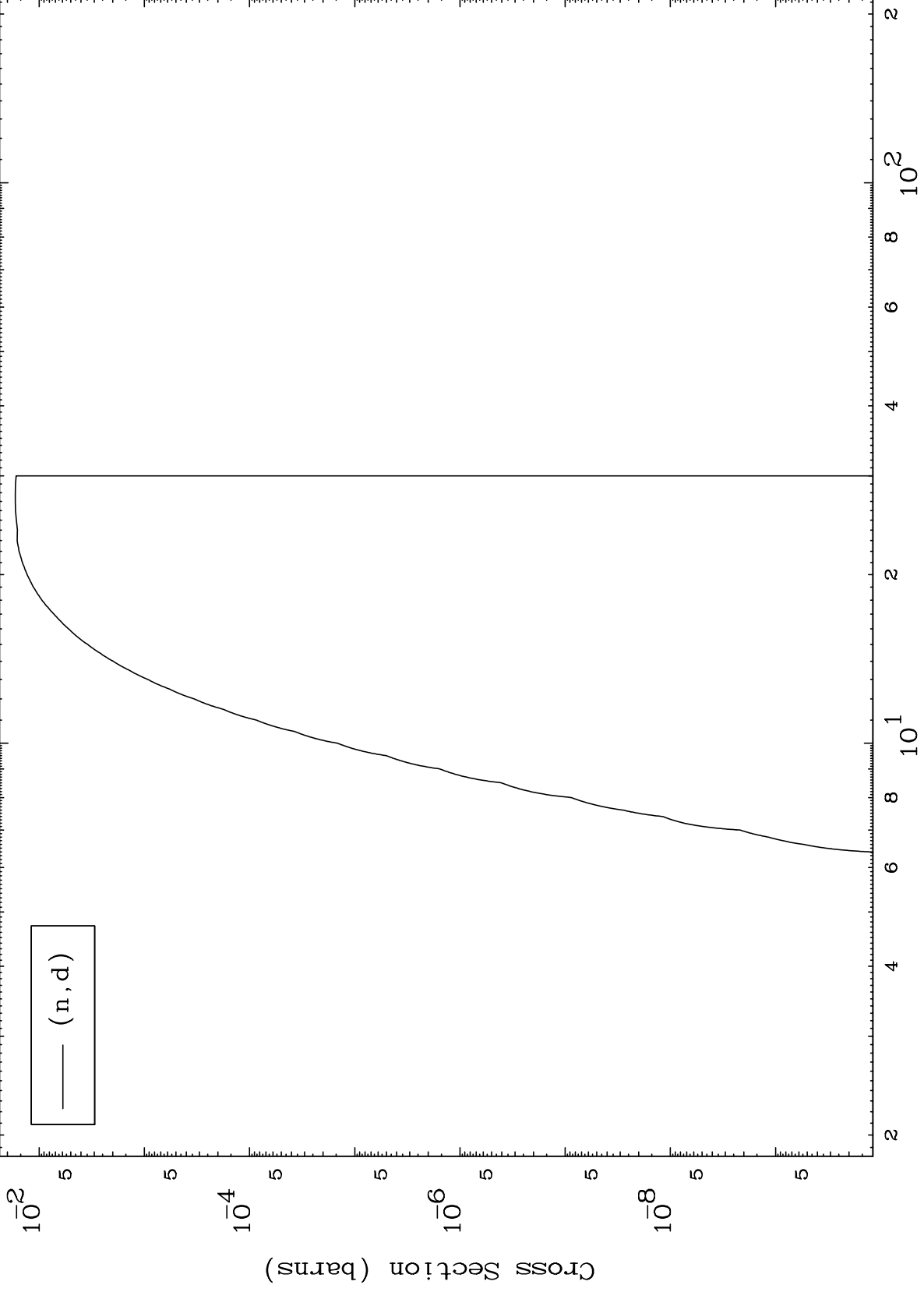
73-Ta-176



MAT 7313

(n,d) Levels  
293 Kelvin Cross Sections

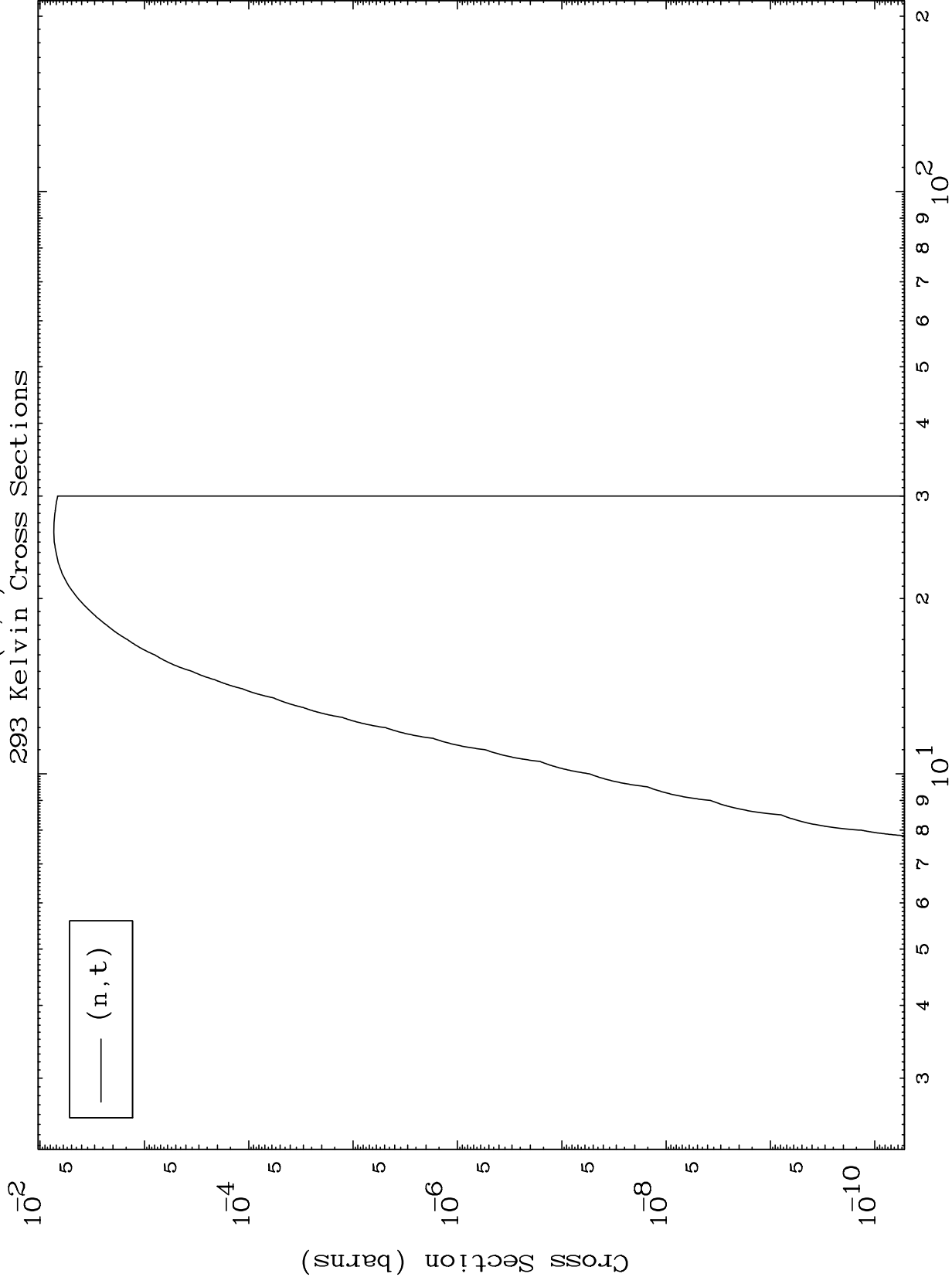
<sup>73</sup>Ta-176



MAT 7313

(n,t) Levels  
293 Kelvin Cross Sections

73-Ta-176



12

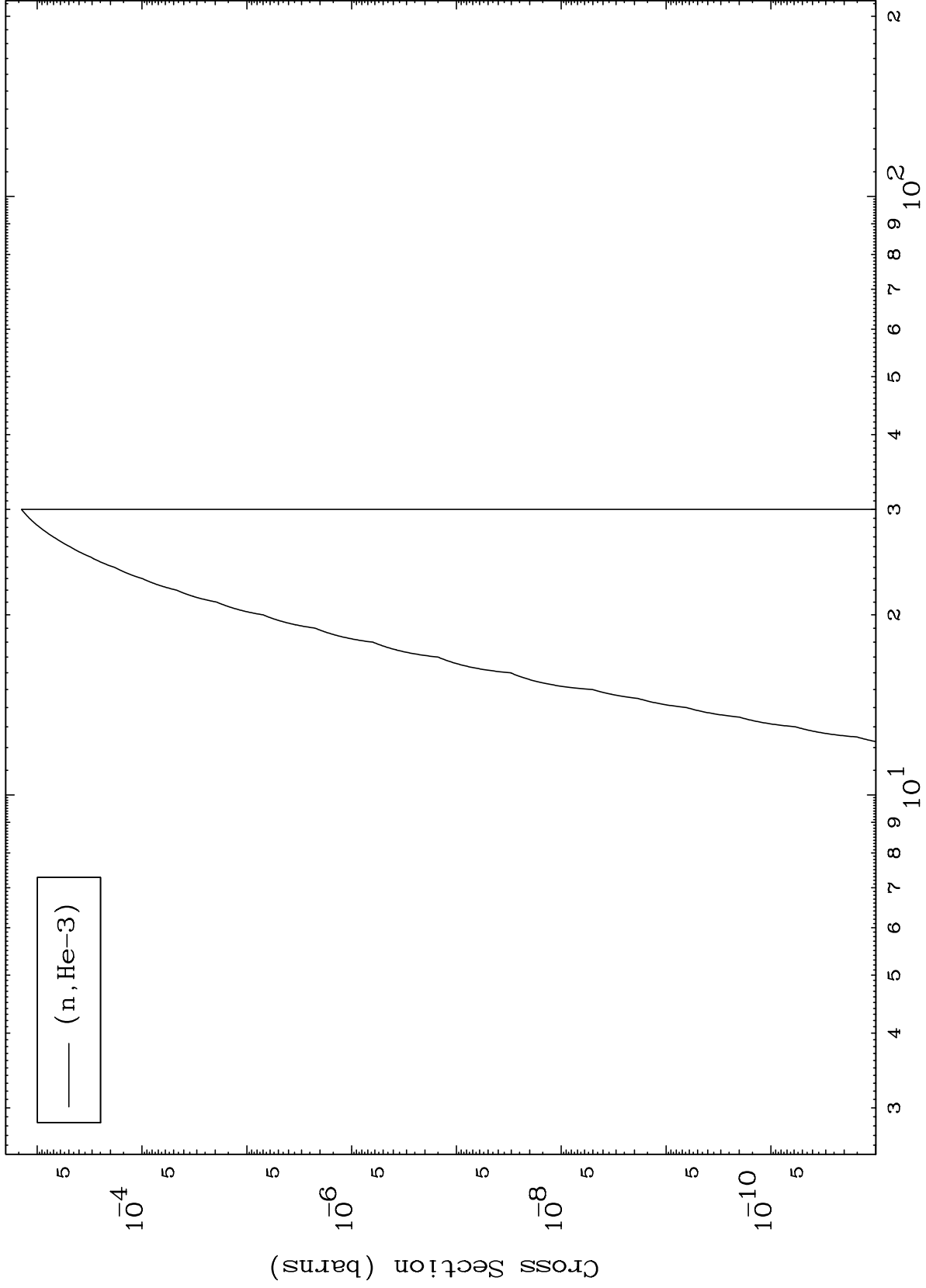
Incident Energy (MeV)

73-Ta-176

MAT 7313

(n,He3) Levels  
293 Kelvin Cross Sections

73-Ta-176



13

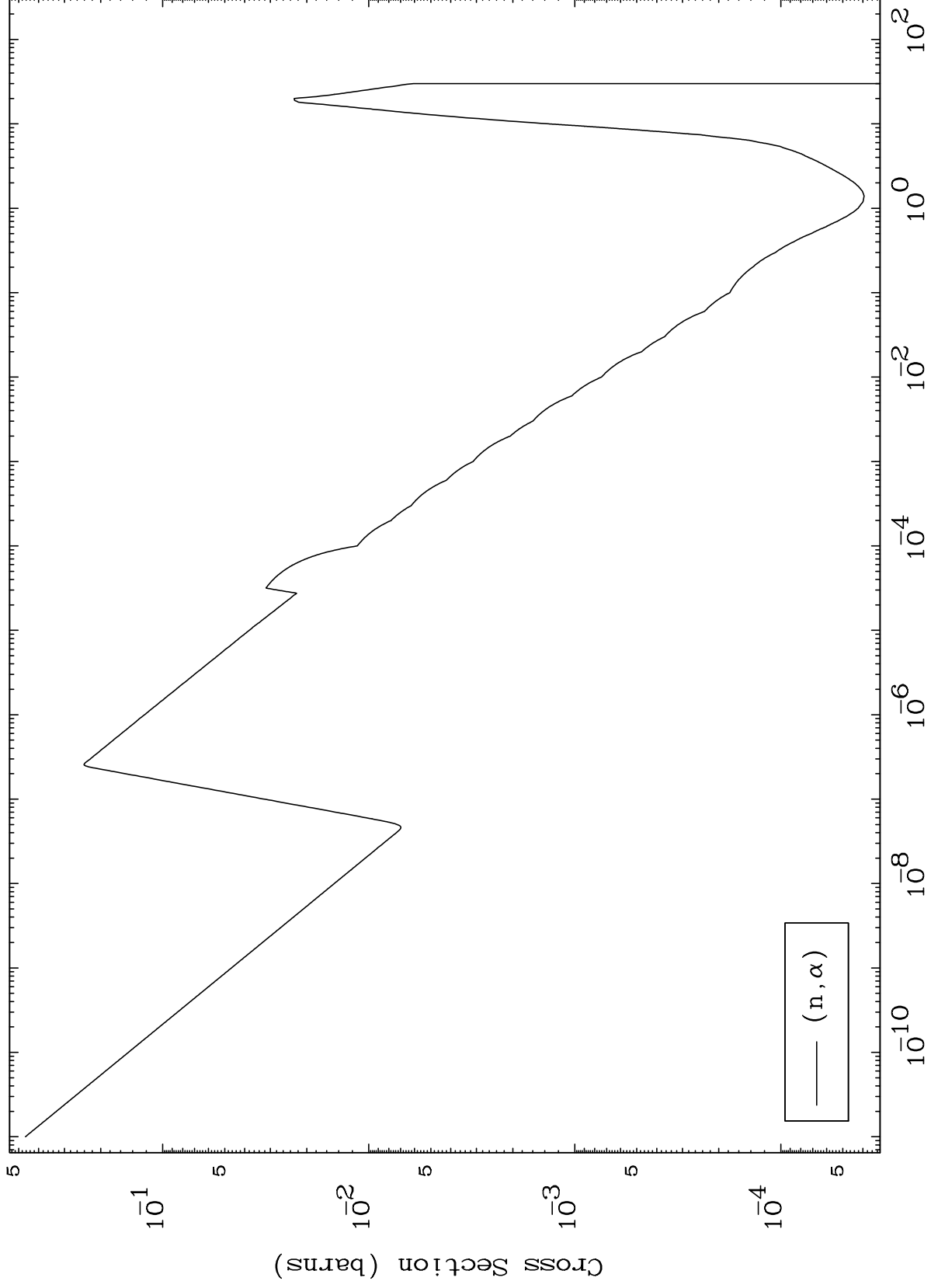
Incident Energy (MeV)

73-Ta-176

MAT 7313

(n,α) Levels  
293 Kelvin Cross Sections

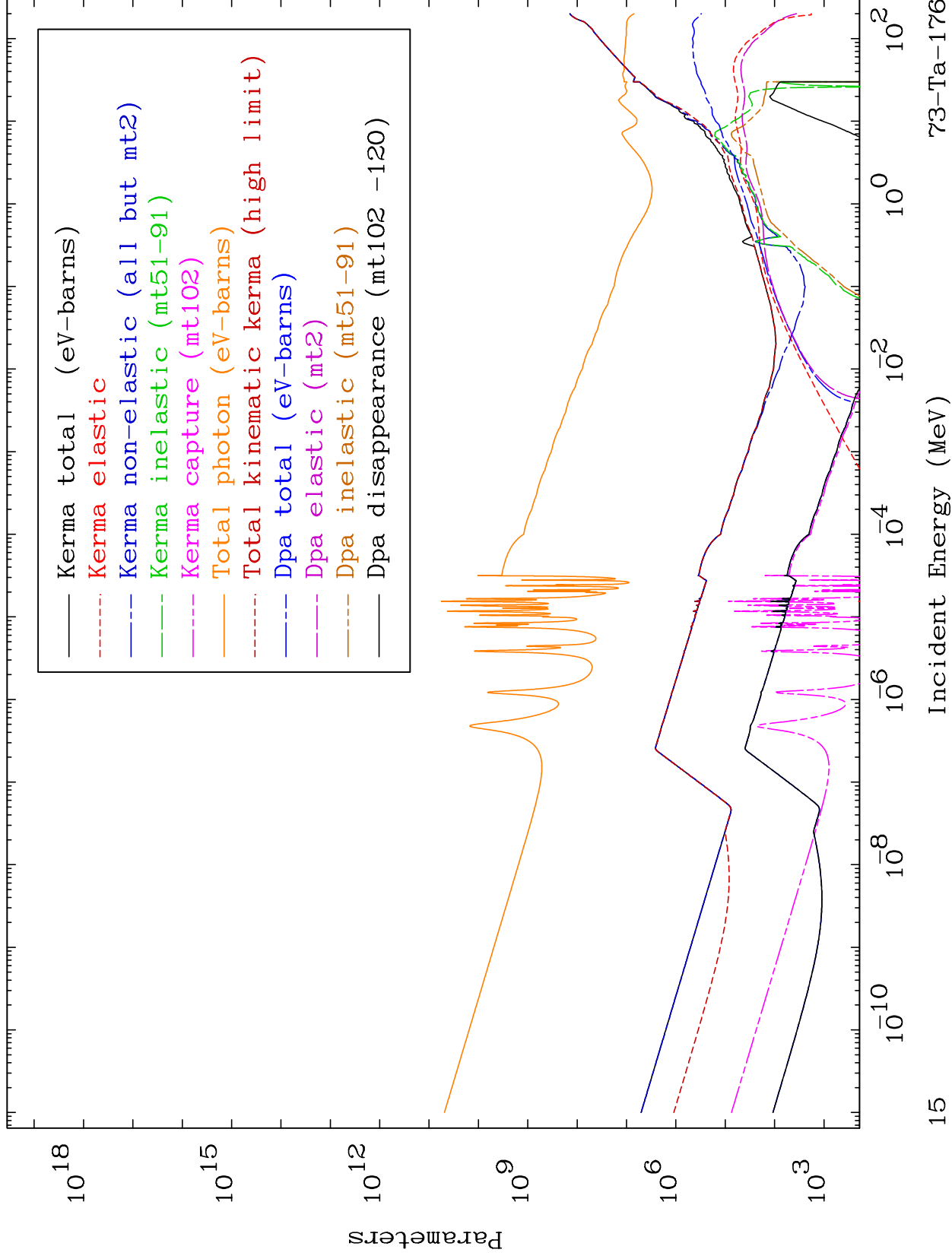
73-Ta-176



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Incident Energy (MeV)

73-Ta-176

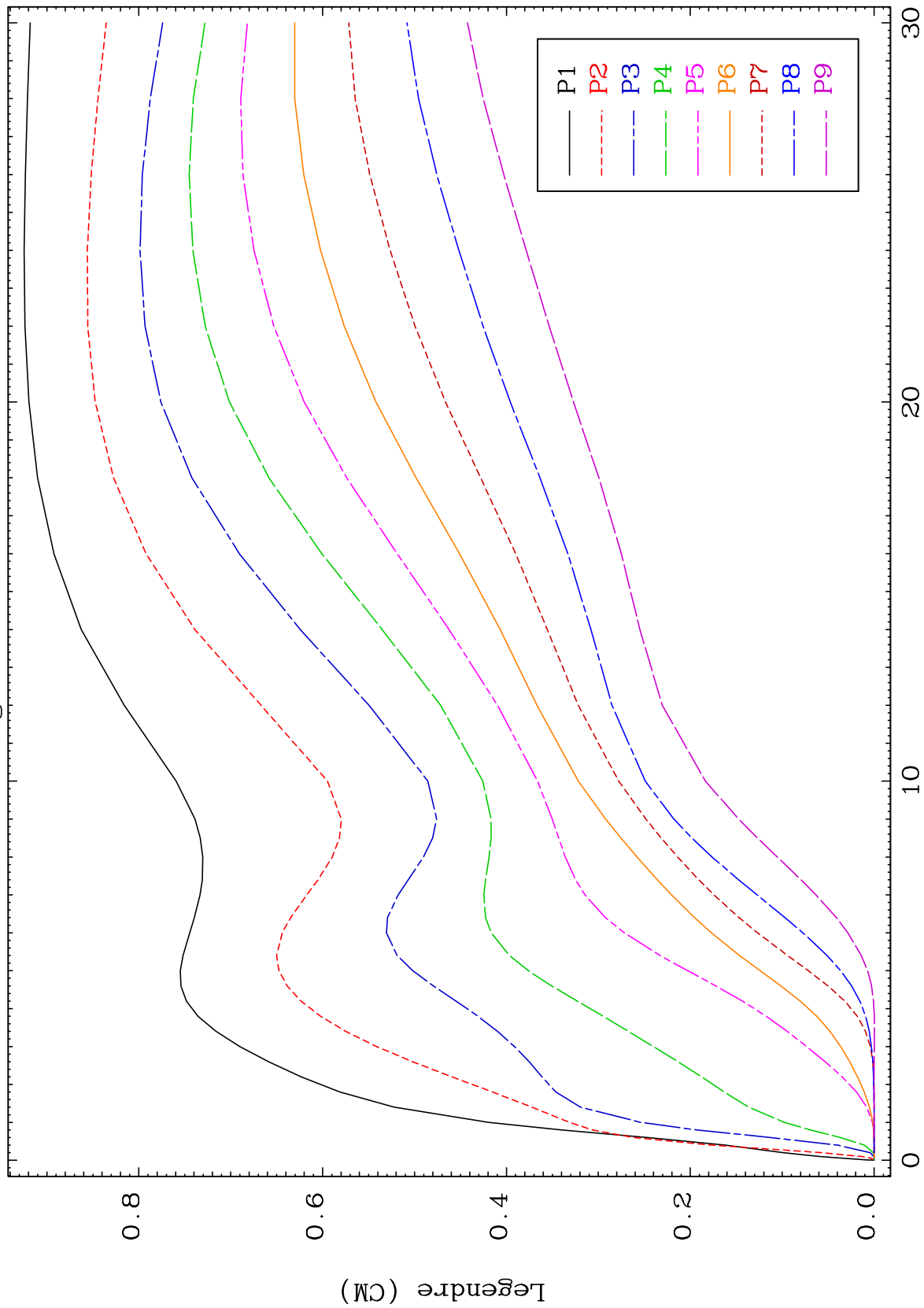




MAT 7313

Elastic Legendre Coefficients

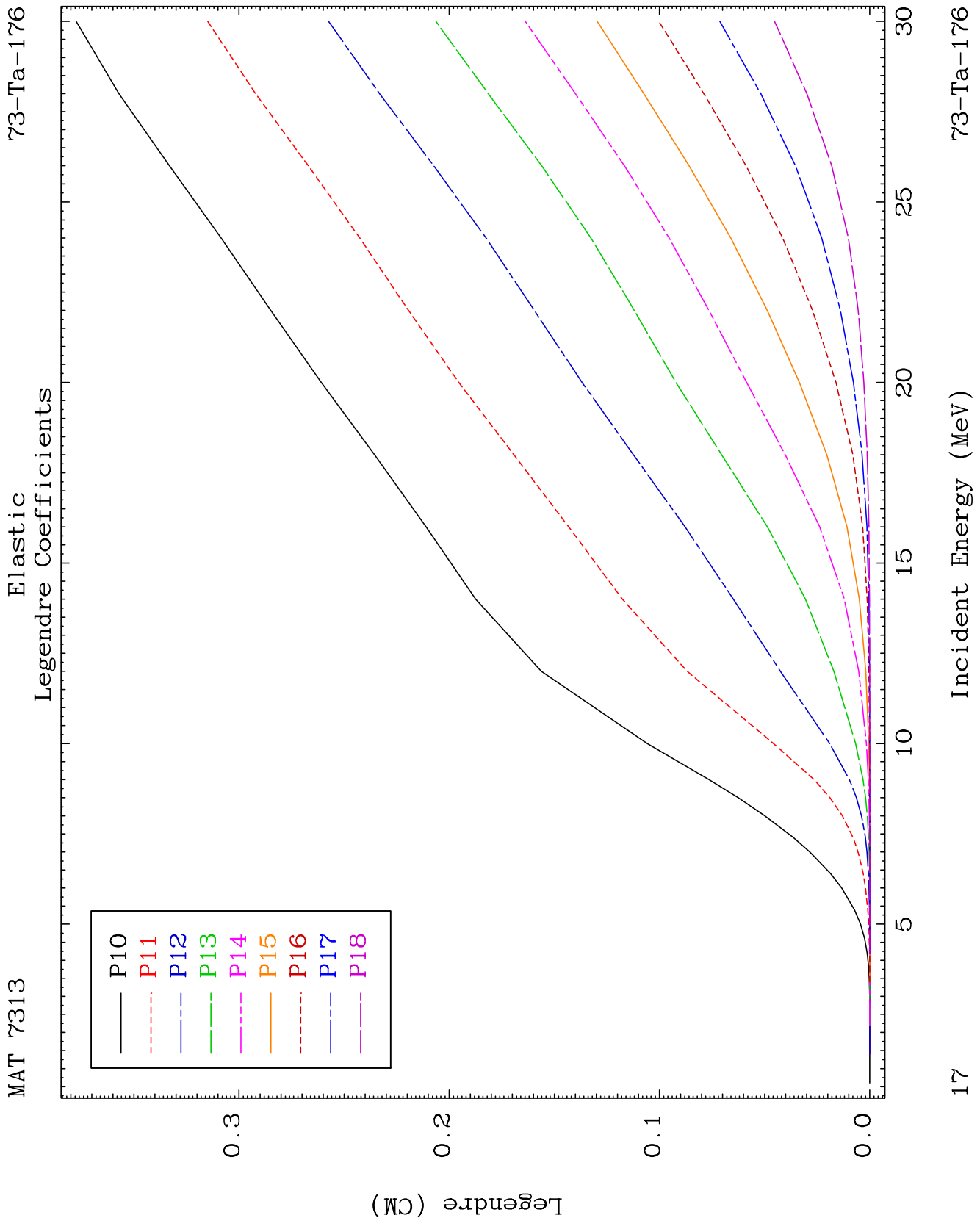
<sup>73</sup>Ta-176



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Incident Energy (MeV)

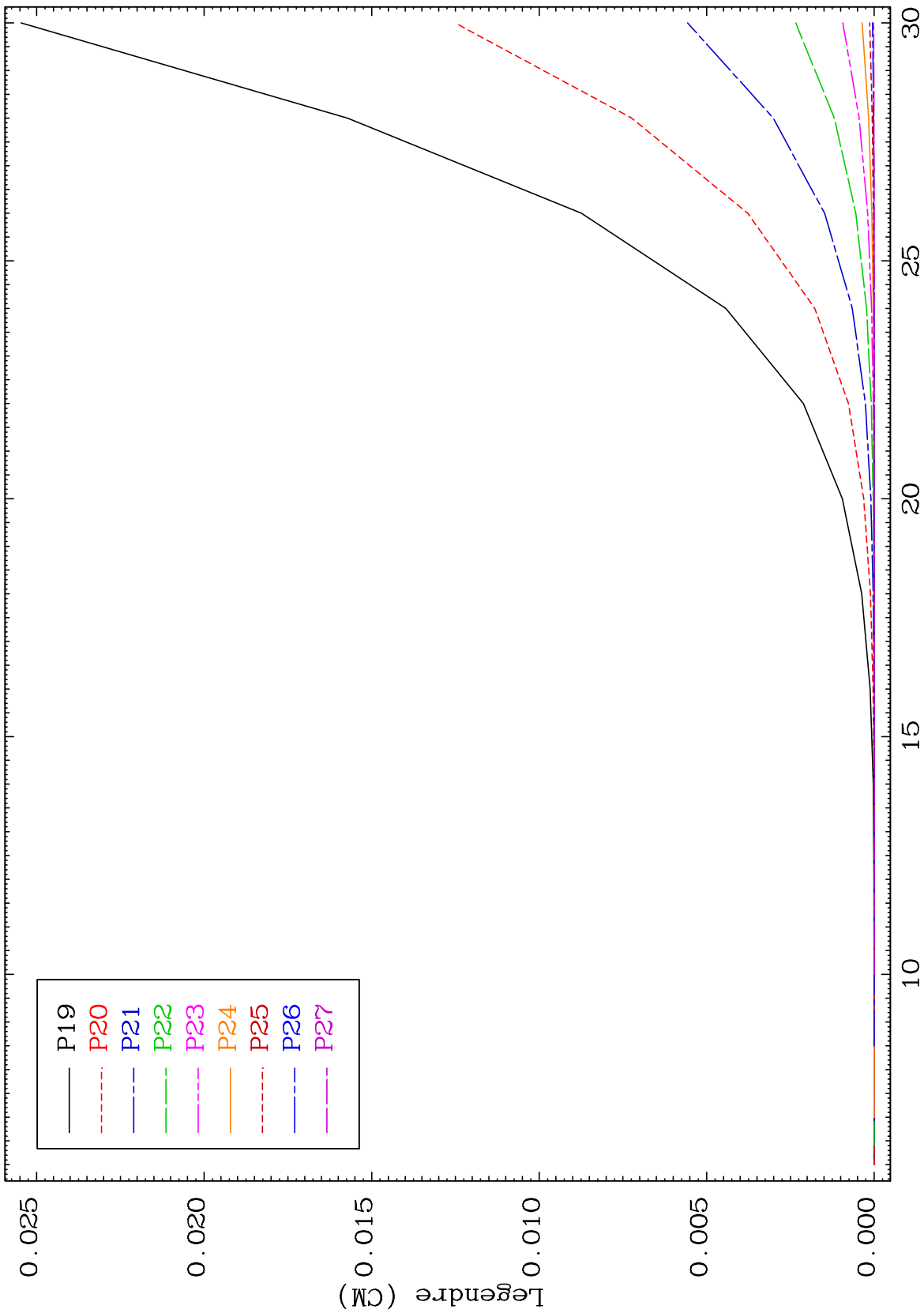
<sup>73</sup>Ta-176



MAT 7313

Elastic Legendre Coefficients

73-Ta-176



18

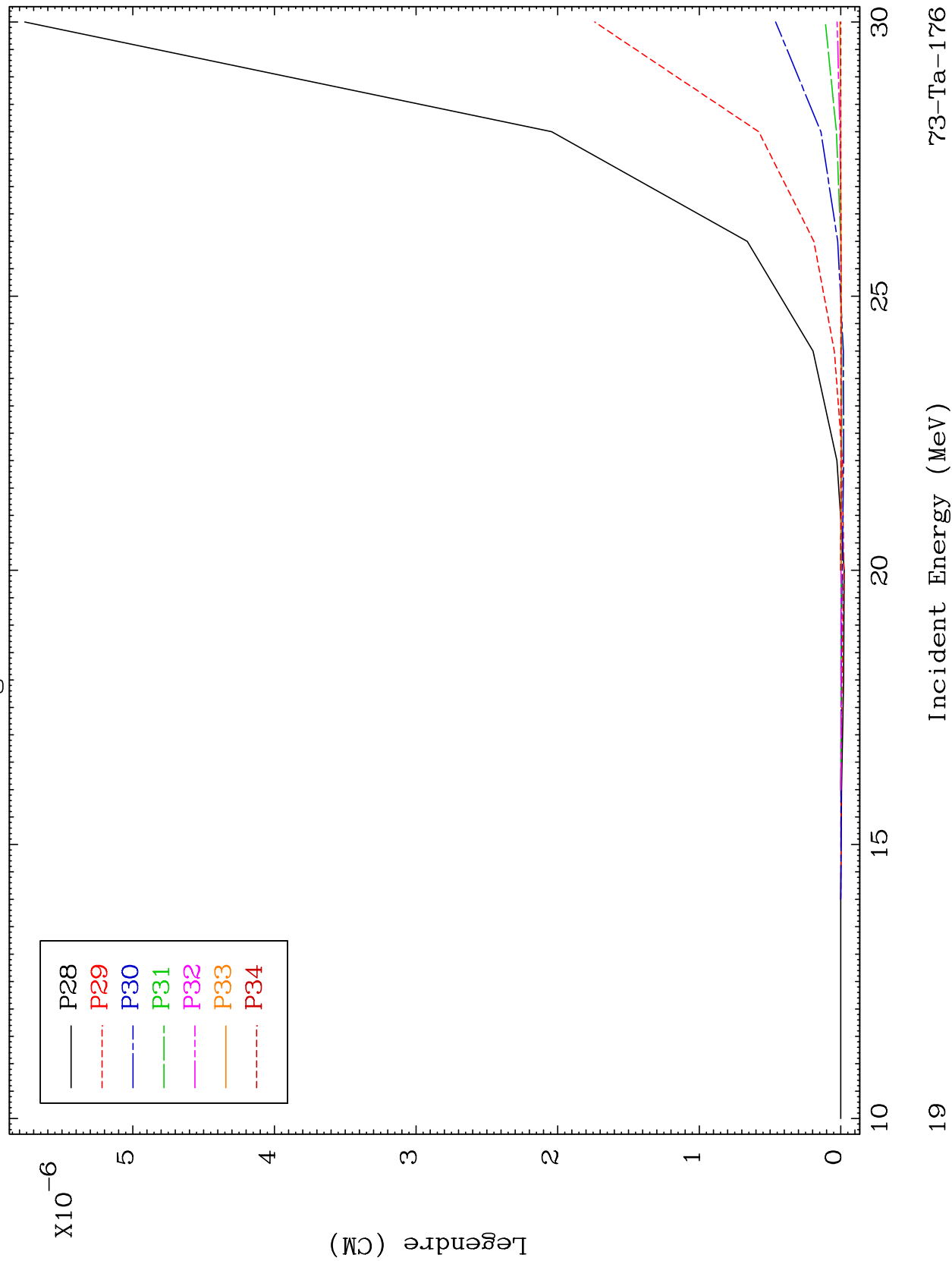
Incident Energy (MeV)

73-Ta-176

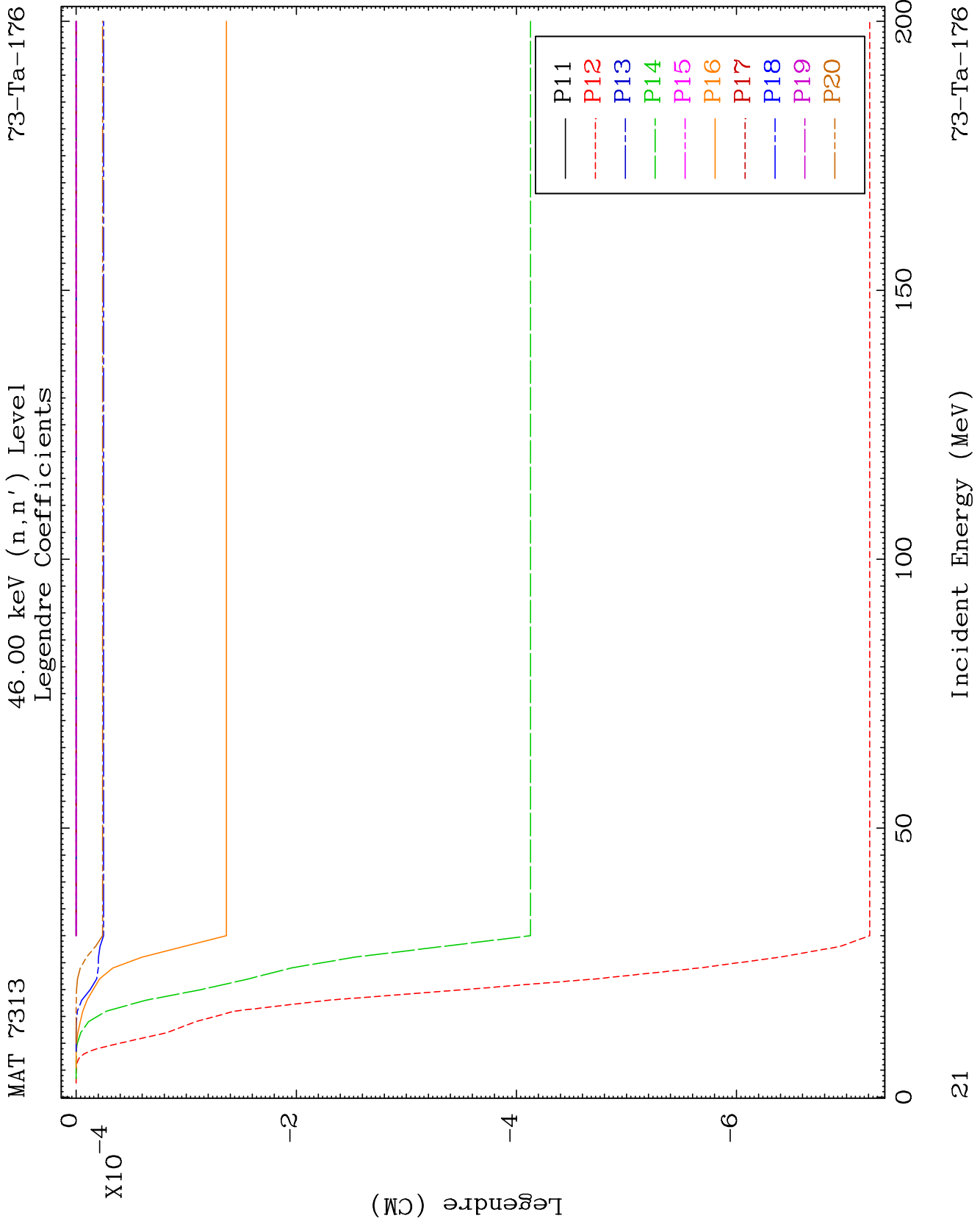
MAT 7313

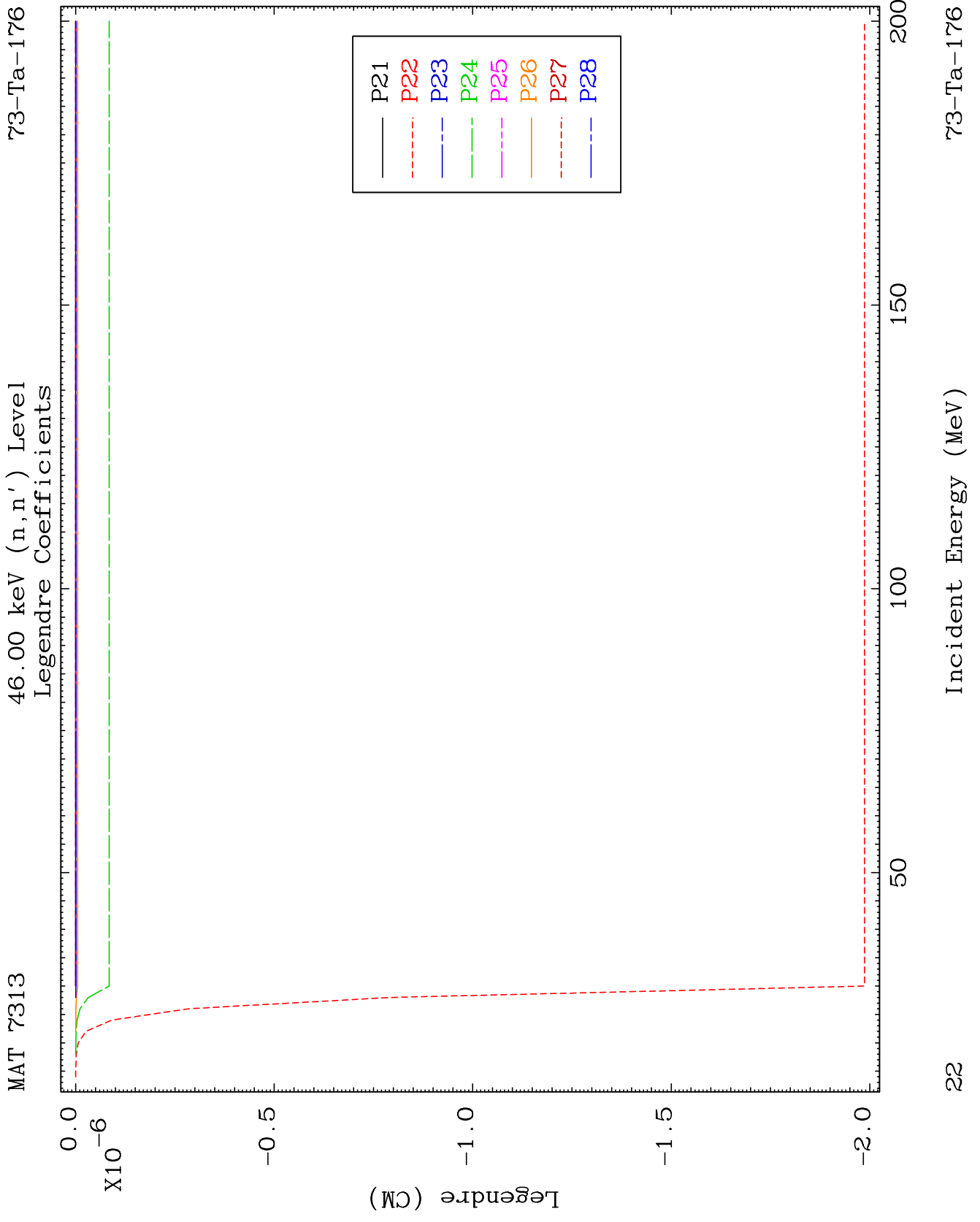
Elastic  
Legendre Coefficients

73-Ta-176



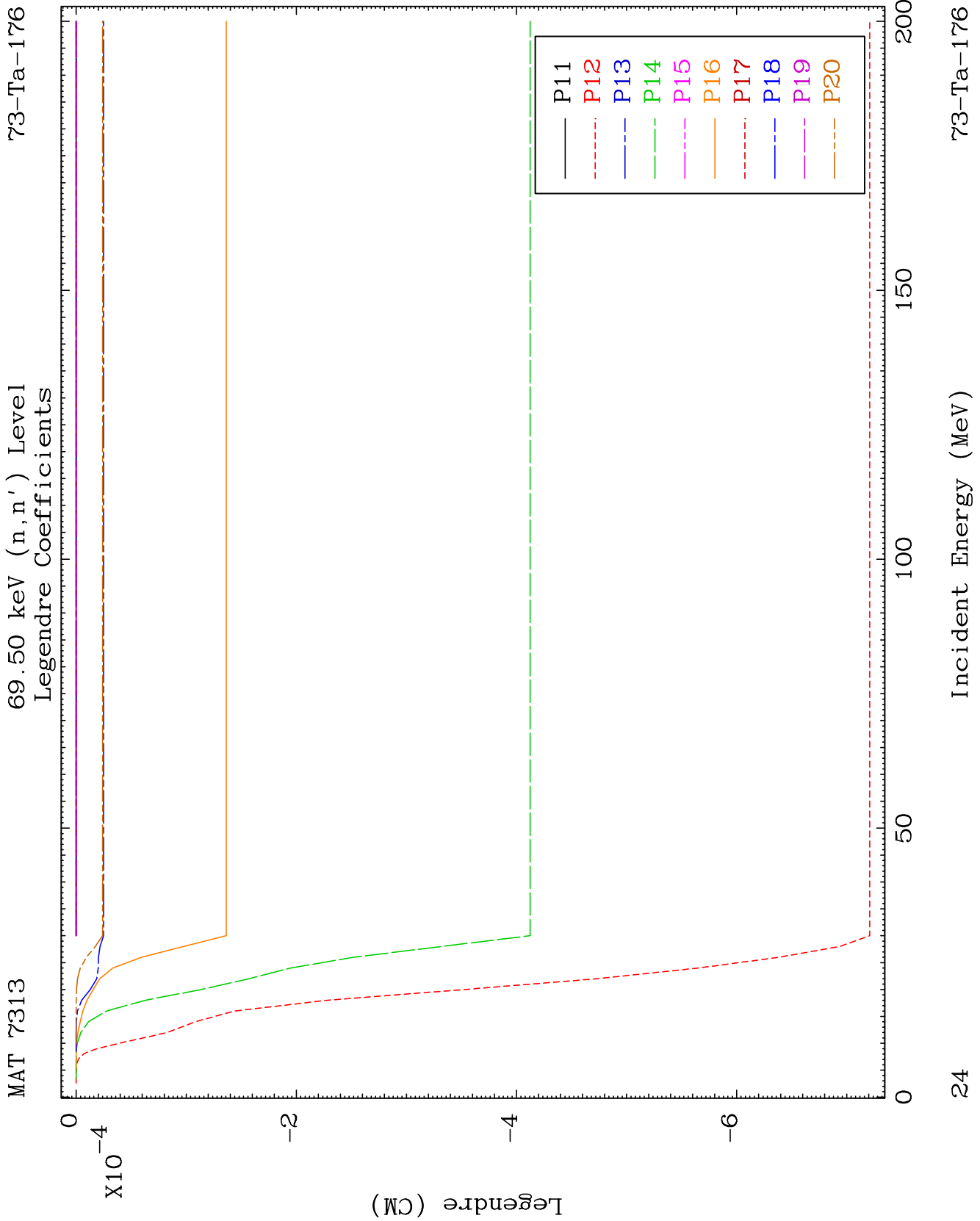


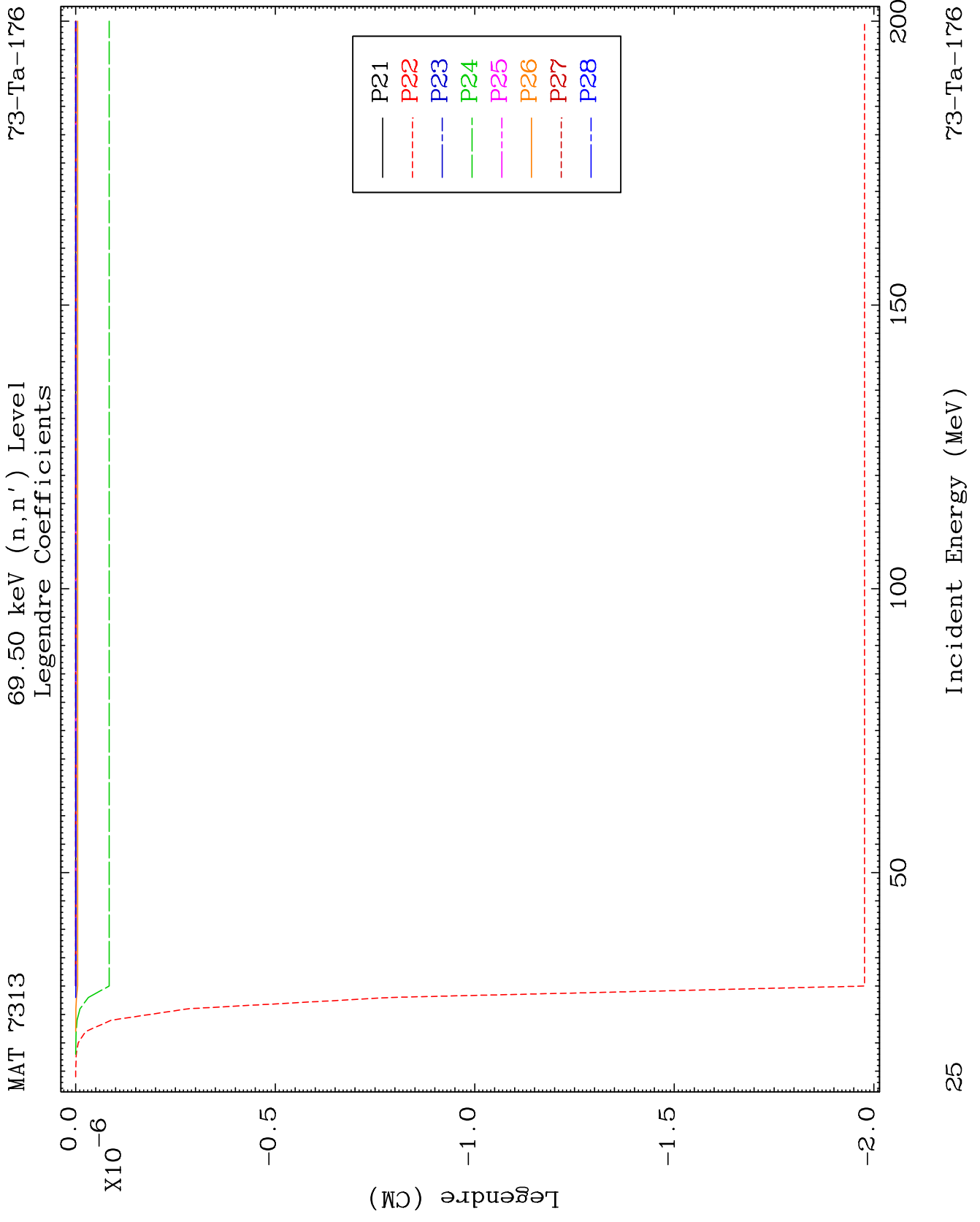




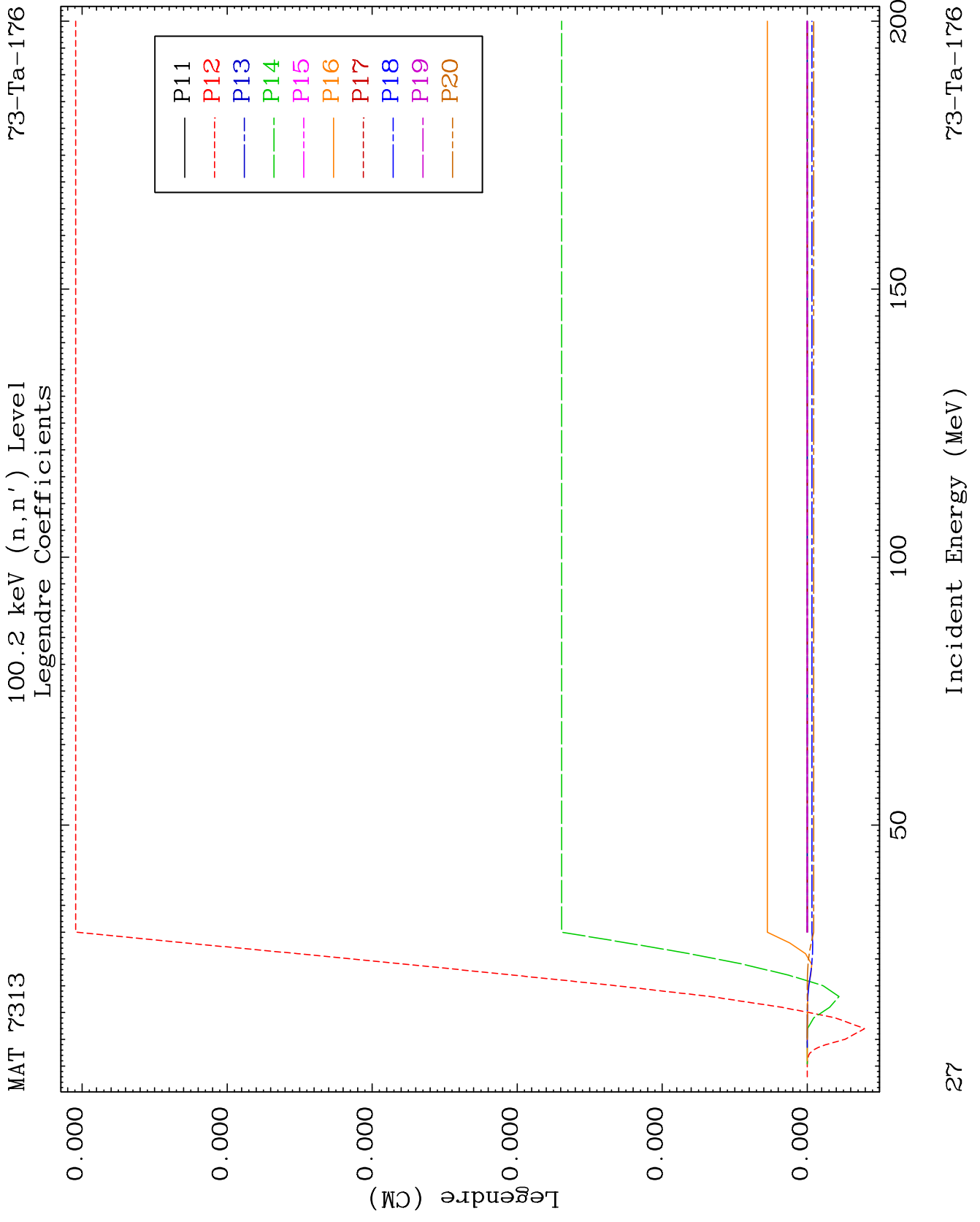


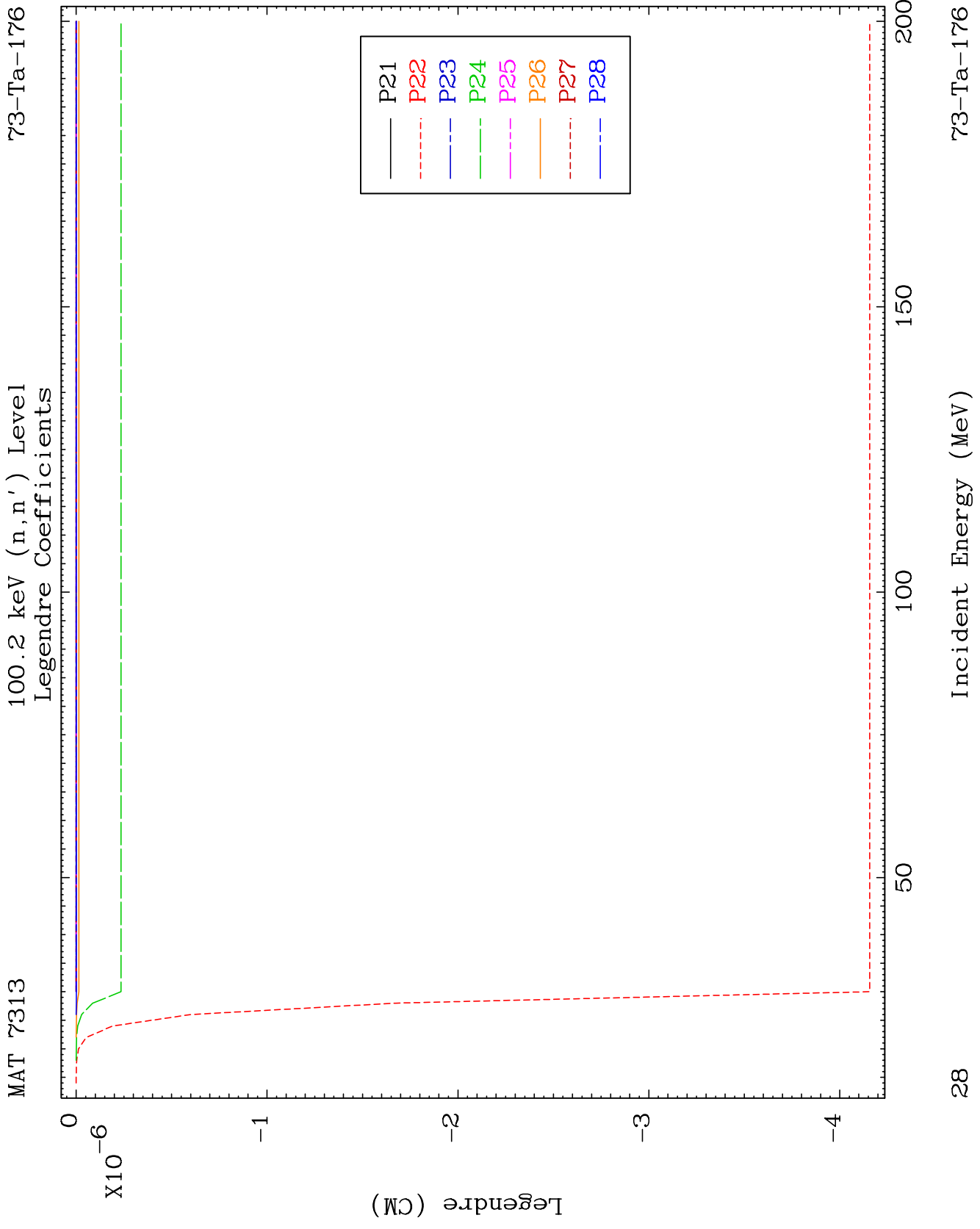








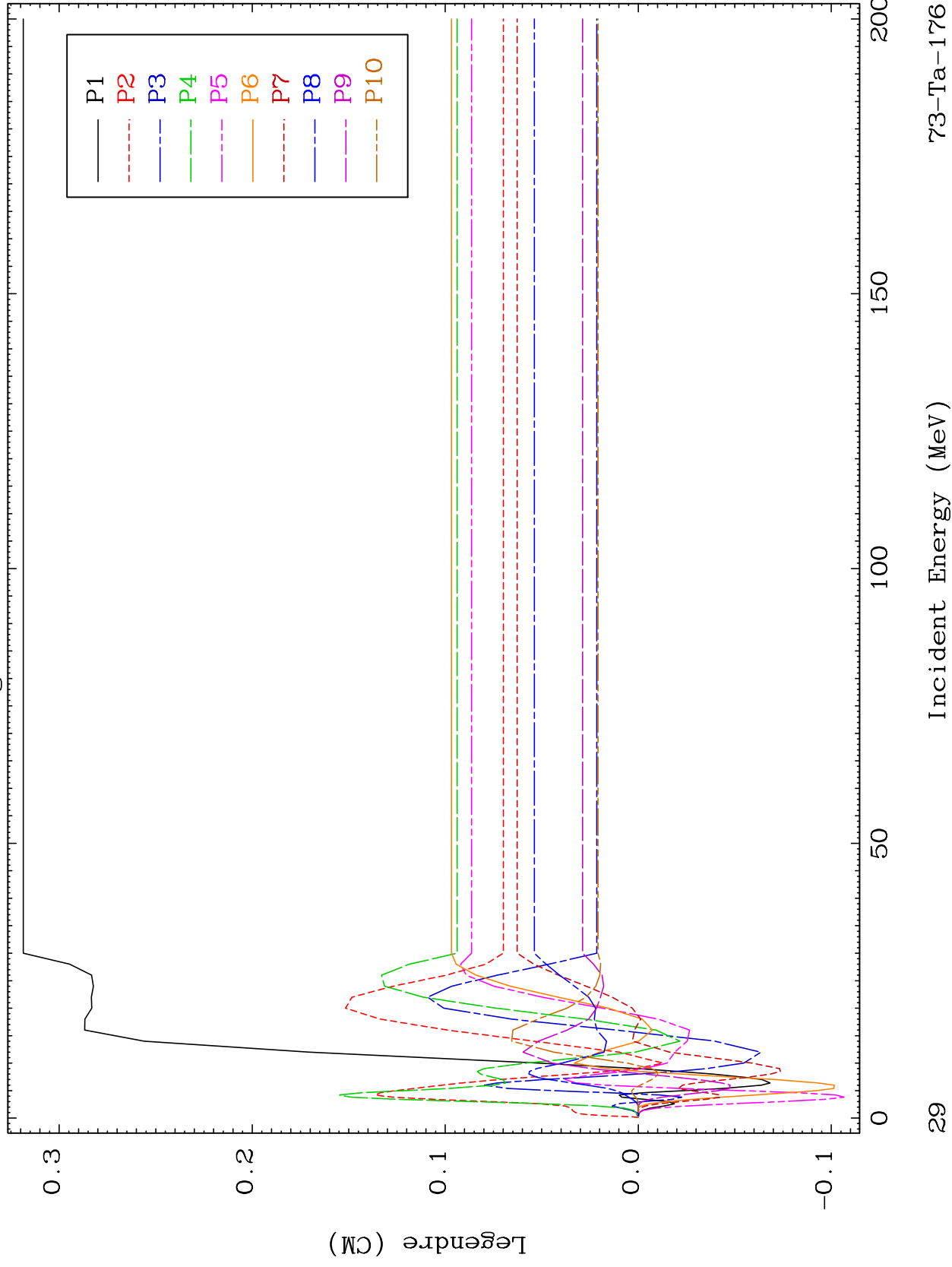




MAT 7313

103.0 keV (n,n') Level  
Legendre Coefficients

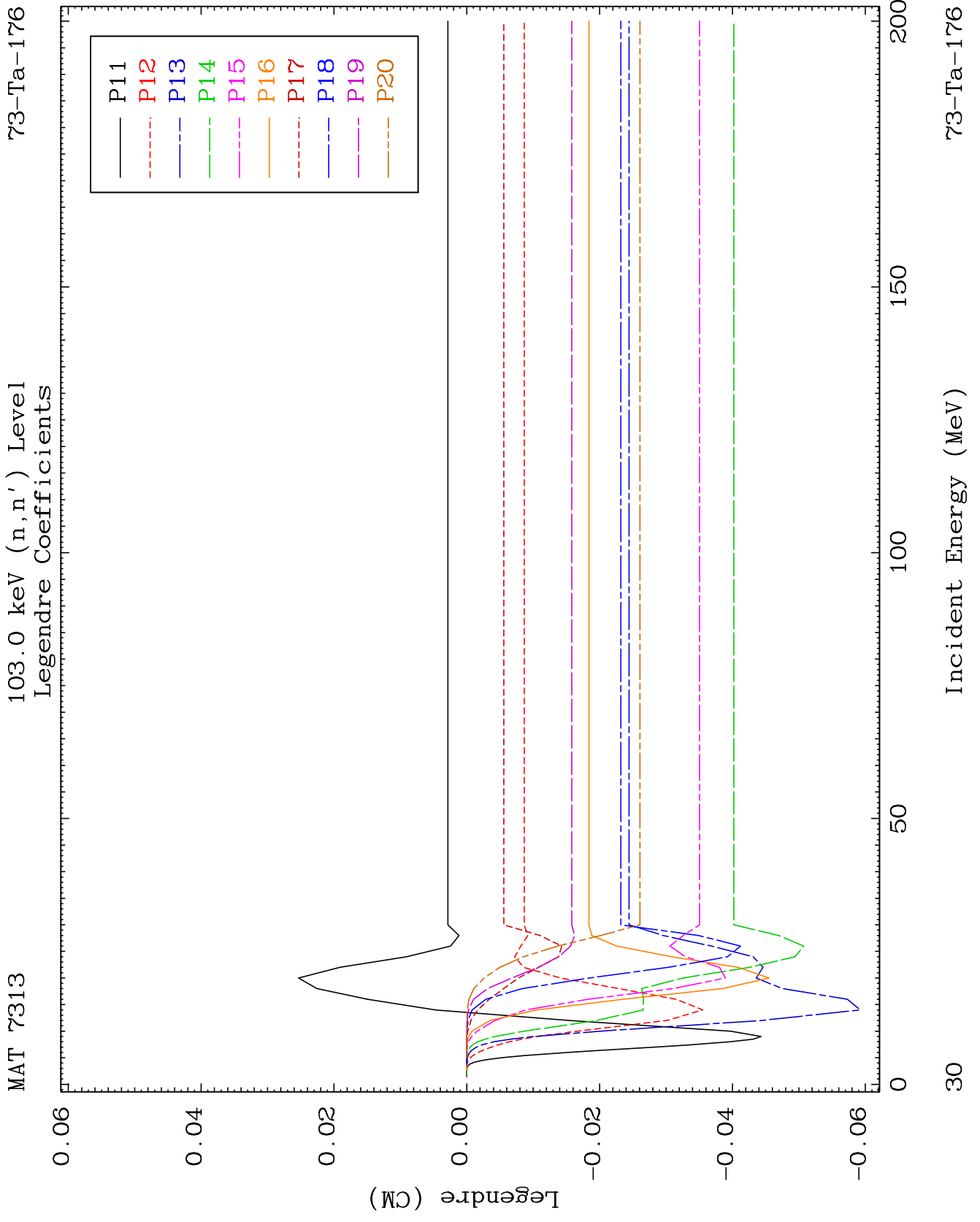
73-Ta-176

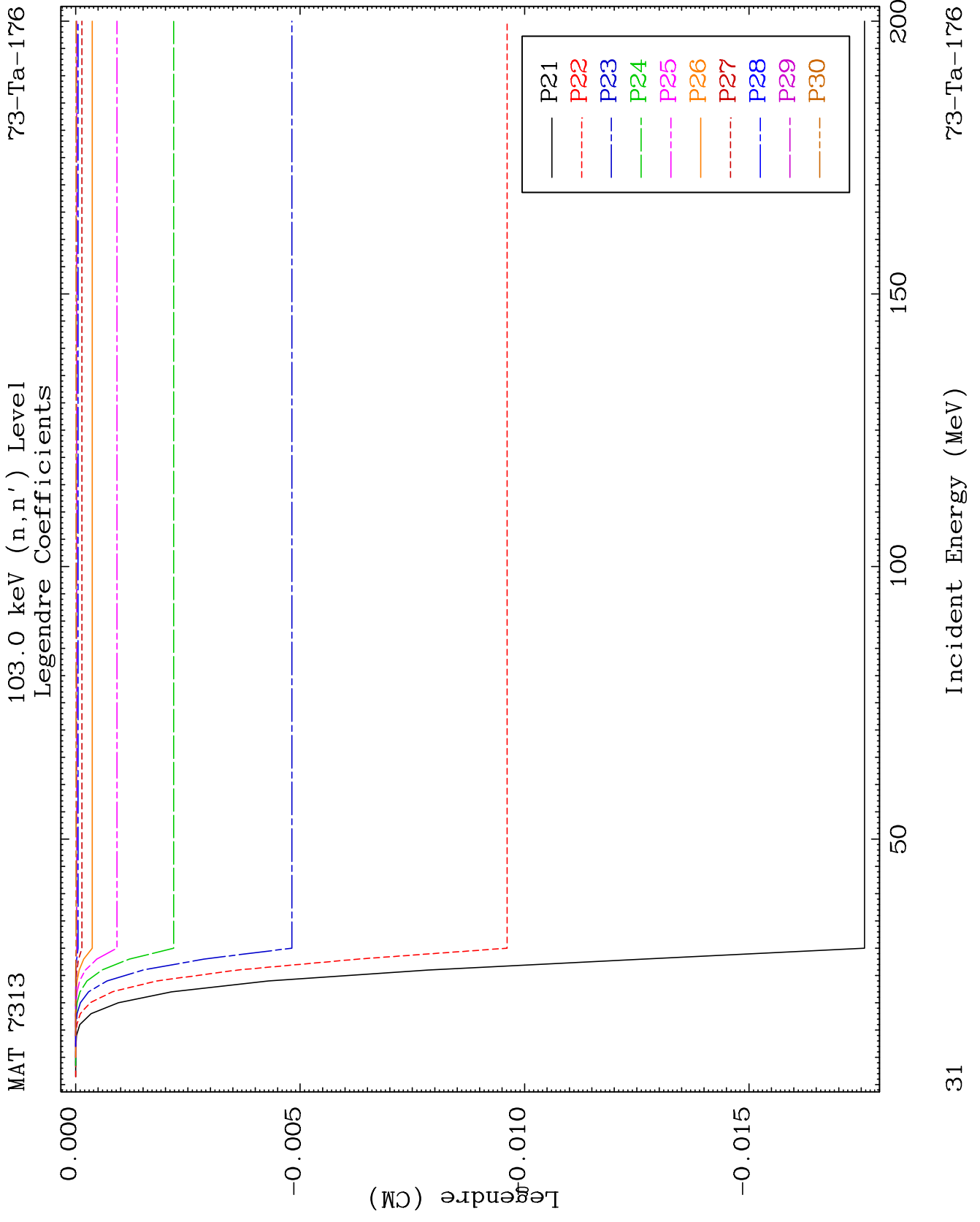


73-Ta-176

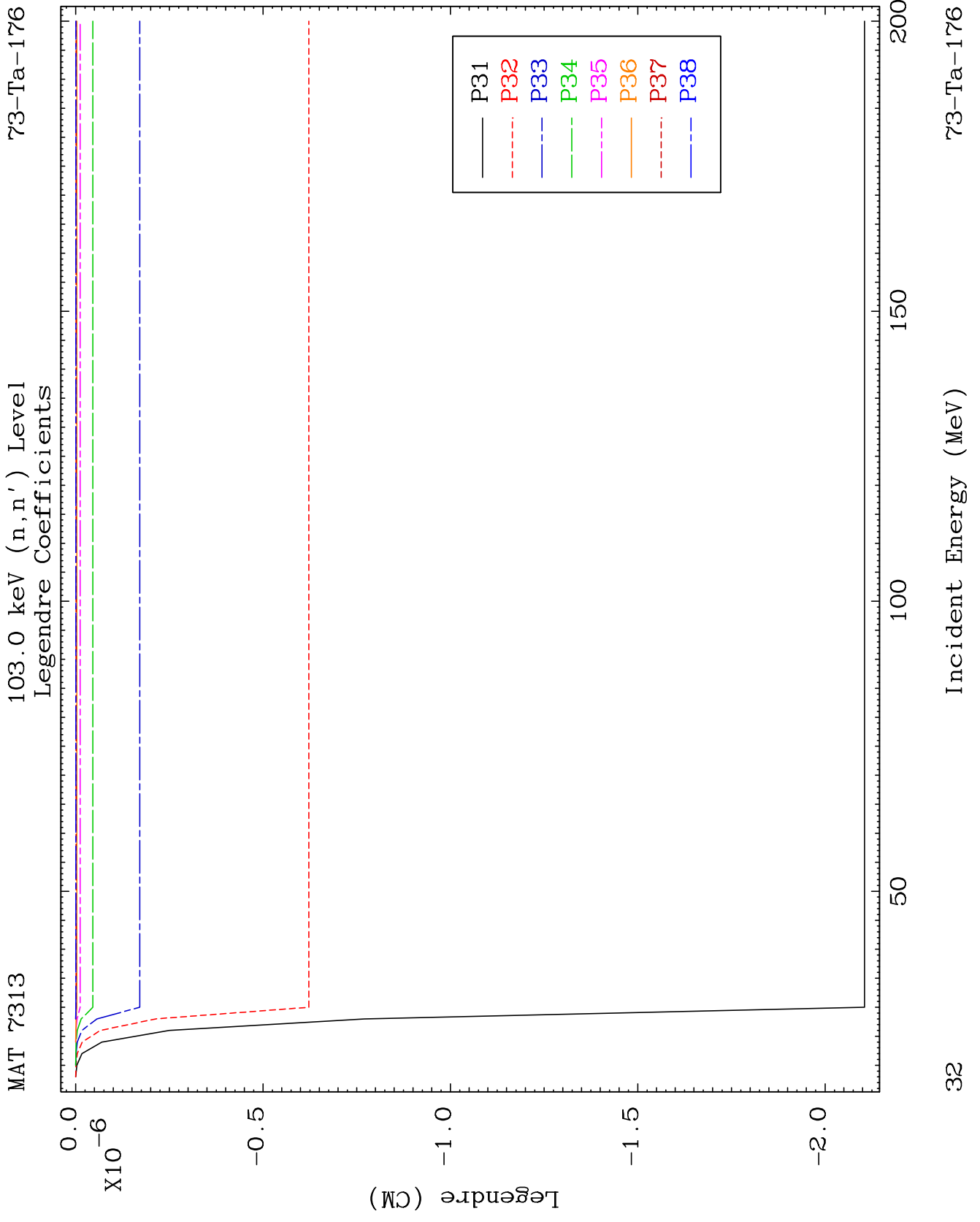
Incident Energy (MeV)

29





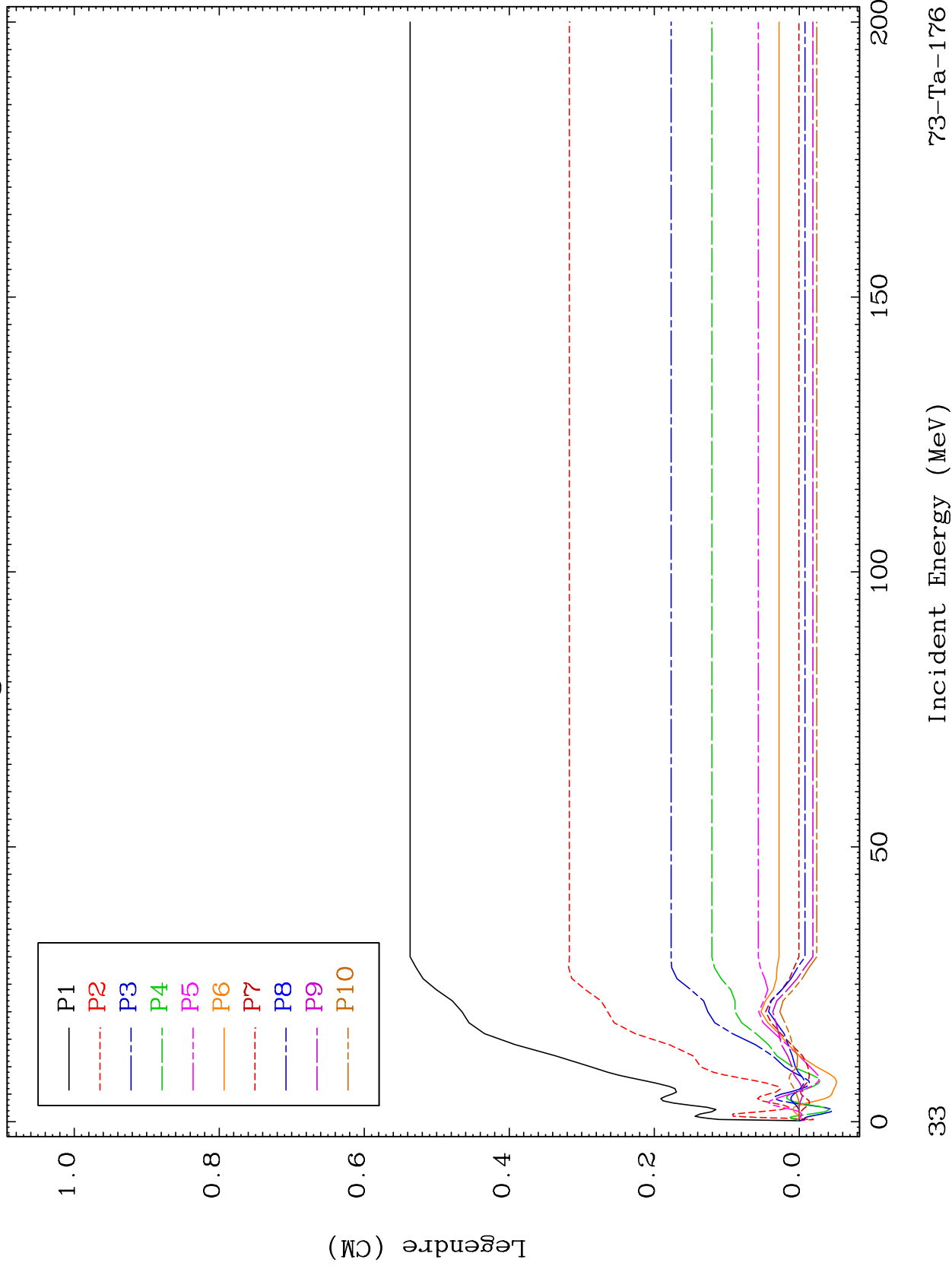




MAT 7313

133.8 keV (n, n') Level  
Legendre Coefficients

73-Ta-176



73-Ta-176

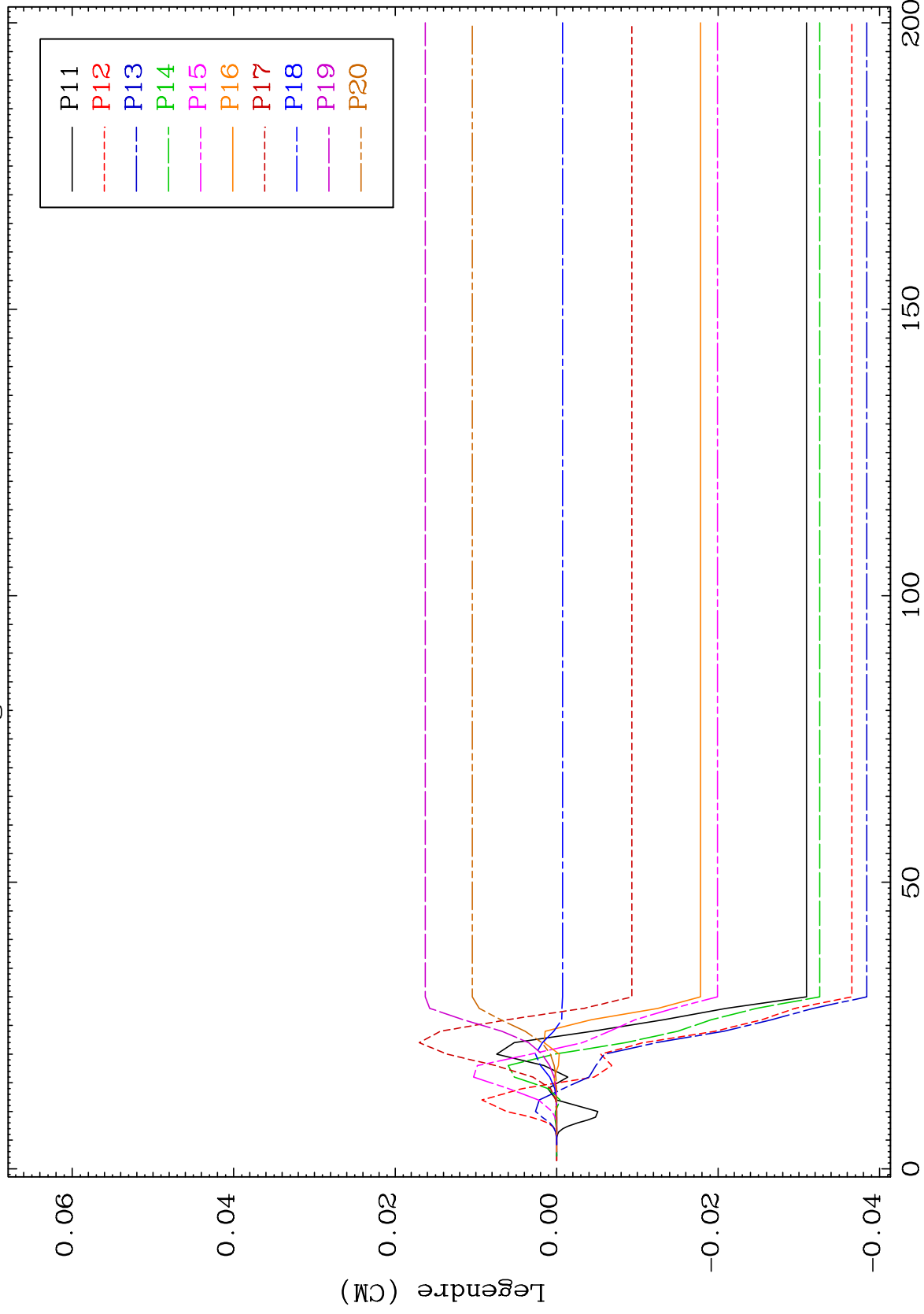
Incident Energy (MeV)

33

MAT 7313

133.8 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



34

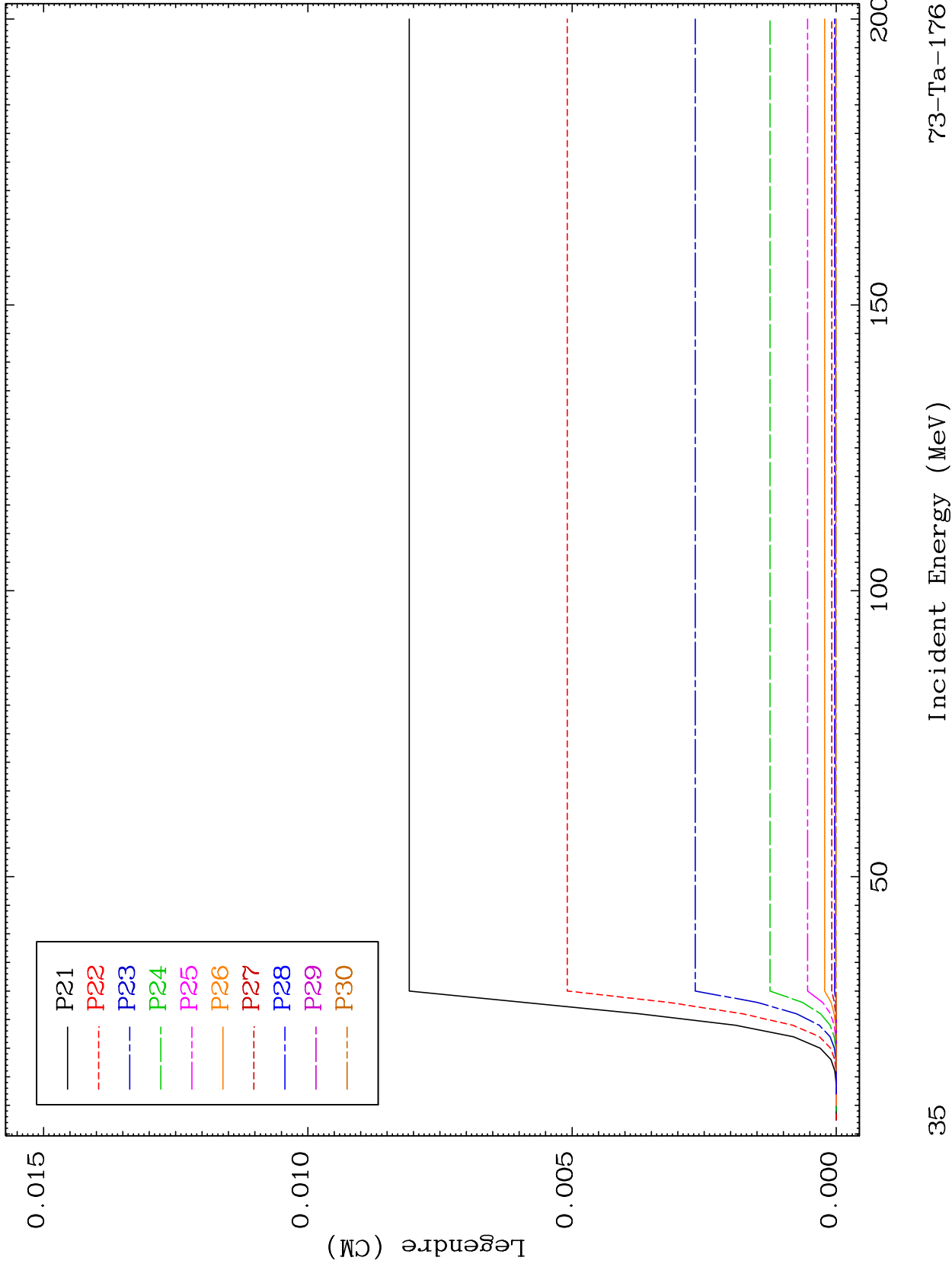
Incident Energy (MeV)

73-Ta-176

MAT 7313

133.8 keV (n,n') Level  
Legendre Coefficients

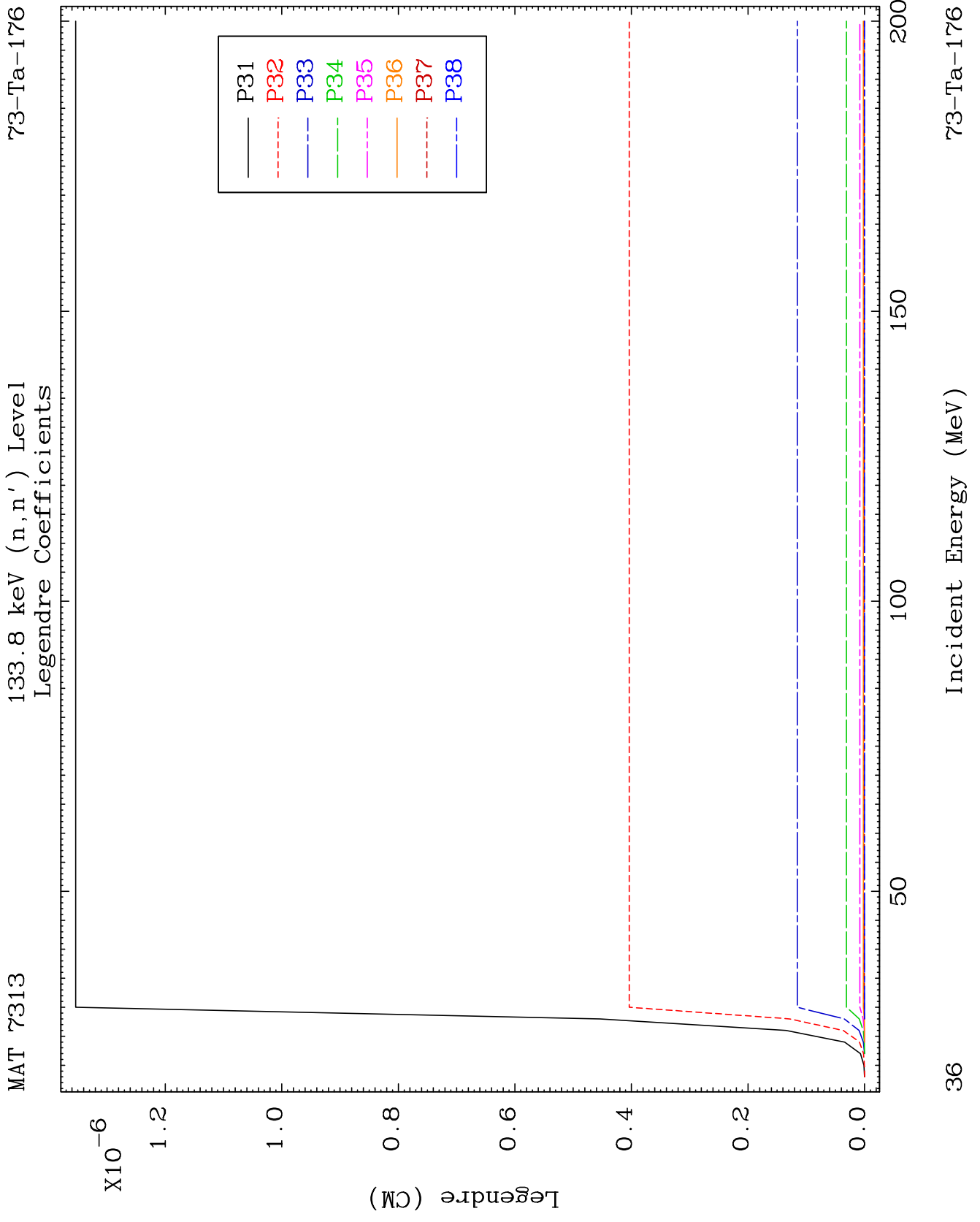
73-Ta-176



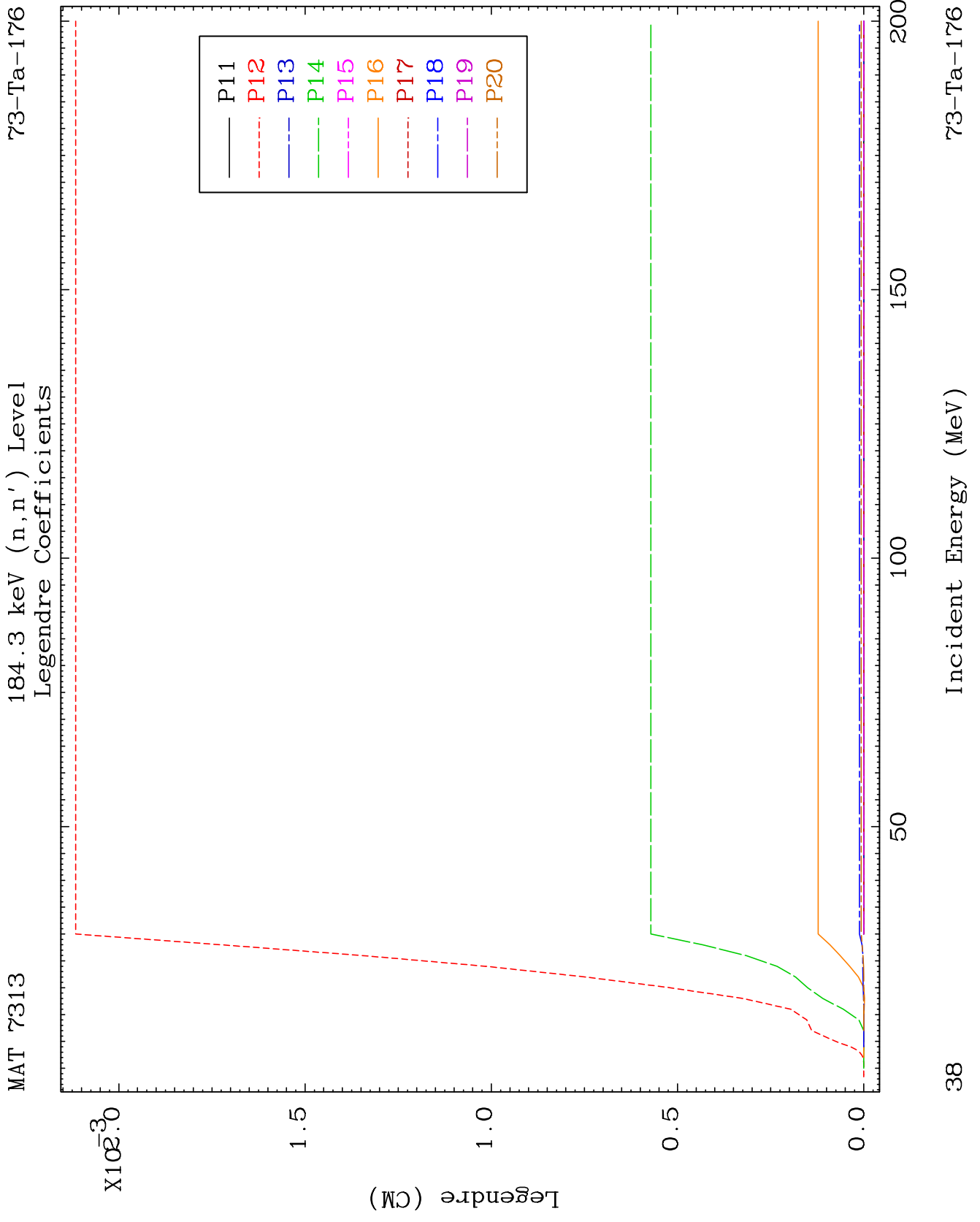
35

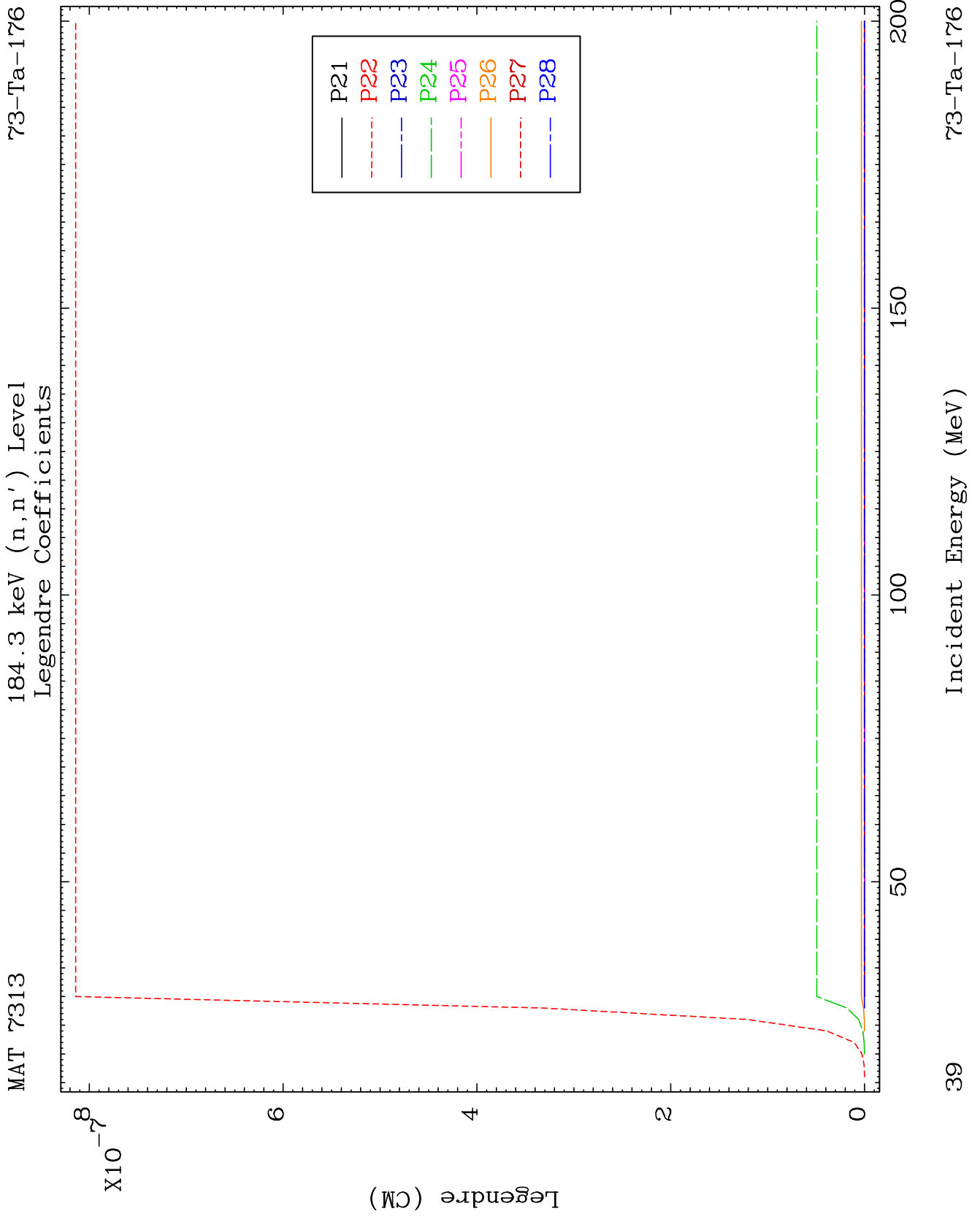
Incident Energy (MeV)

73-Ta-176









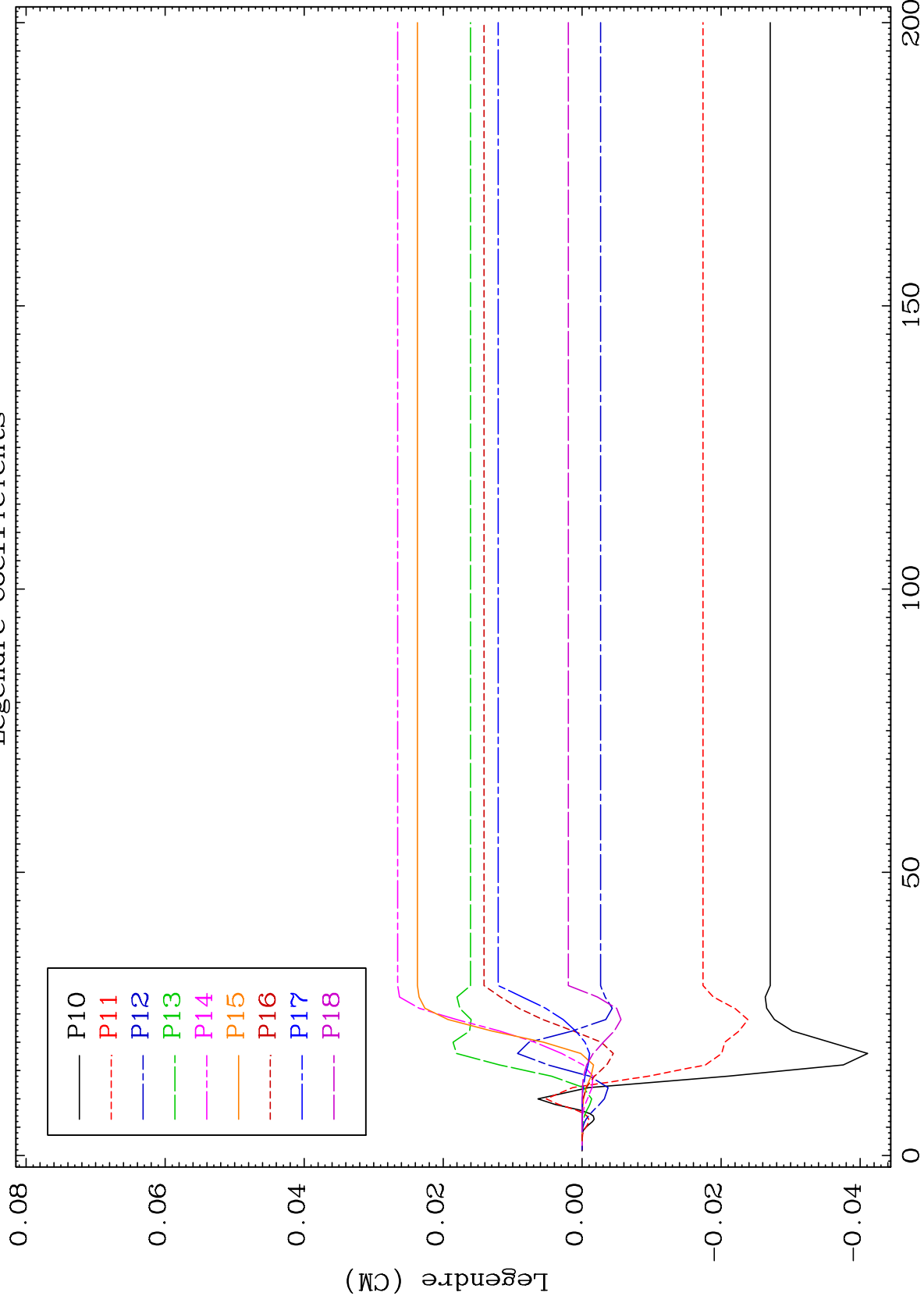




MAT 7313

193.8 keV (n,n') Level  
Legendre Coefficients

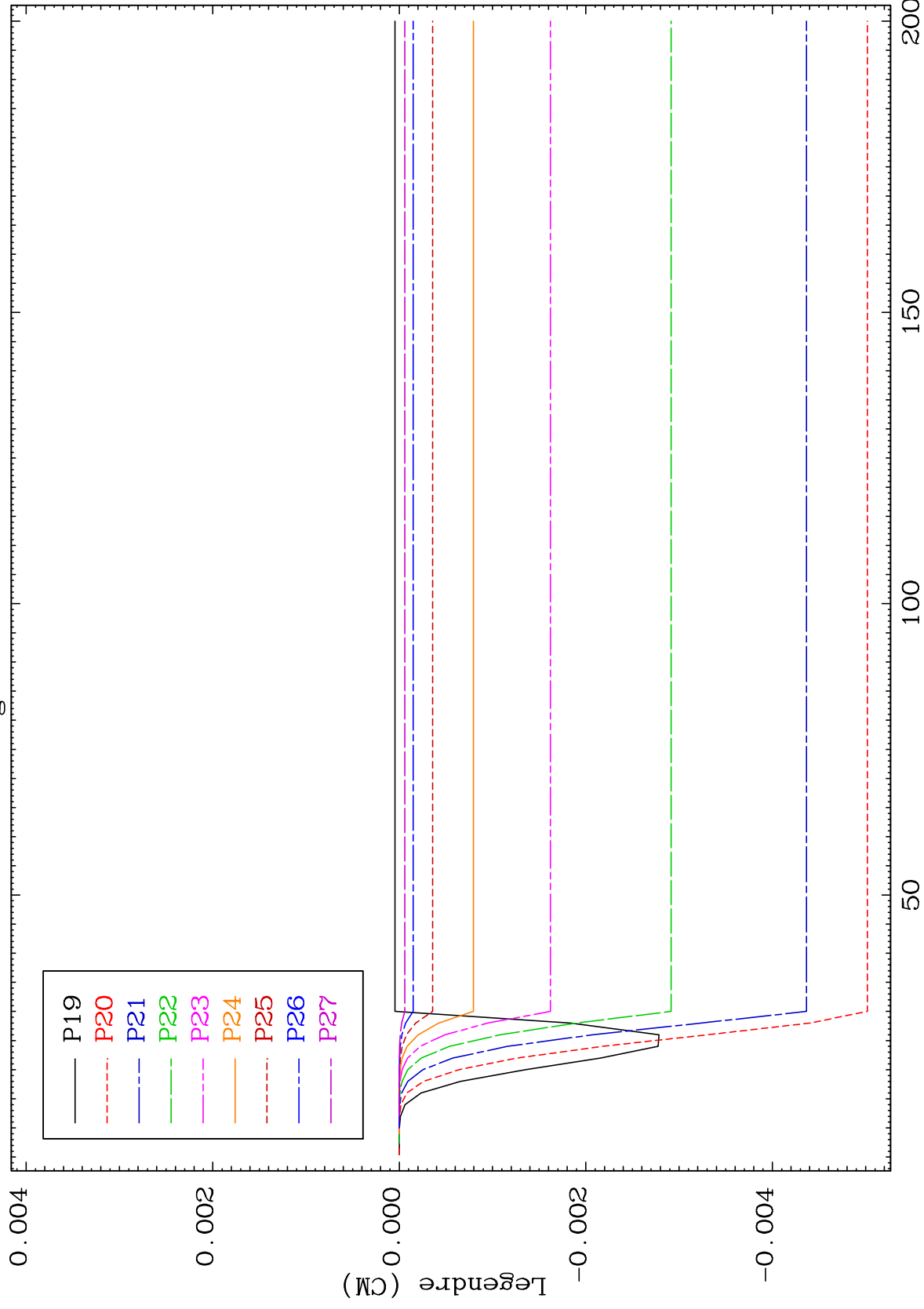
73-Ta-176



MAT 7313

193.8 keV (n, n') Level  
Legendre Coefficients

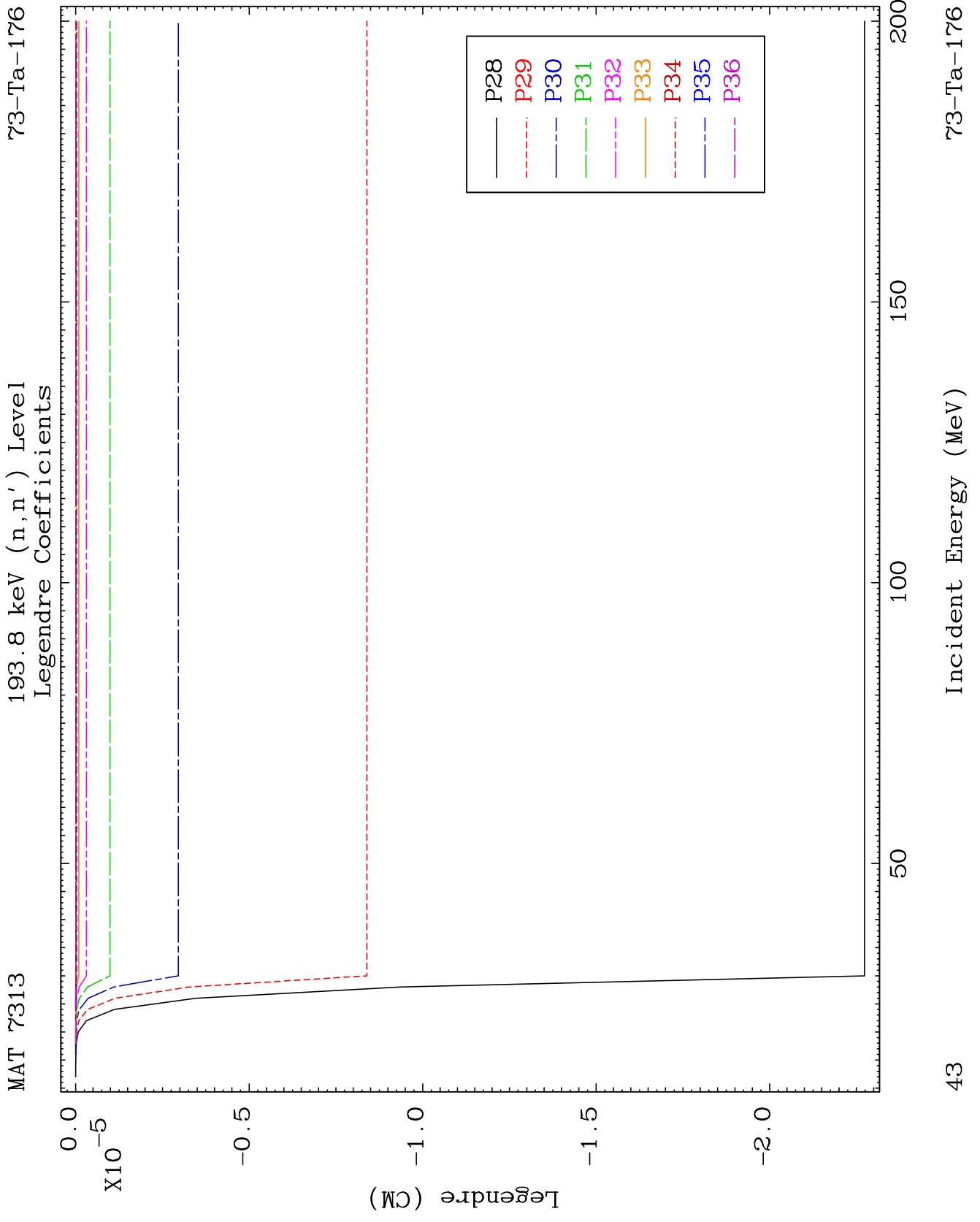
<sup>73</sup>Ta-176



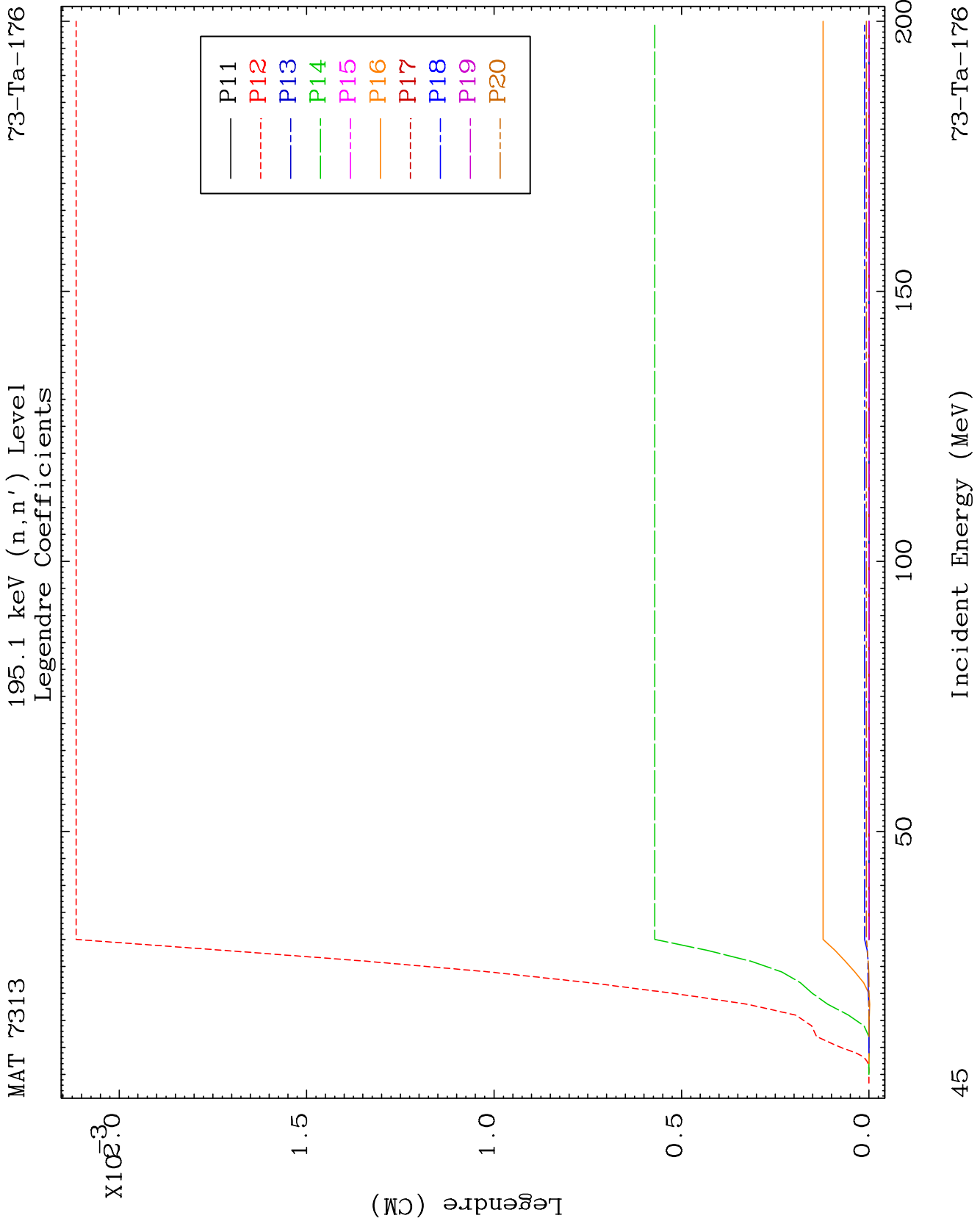
42

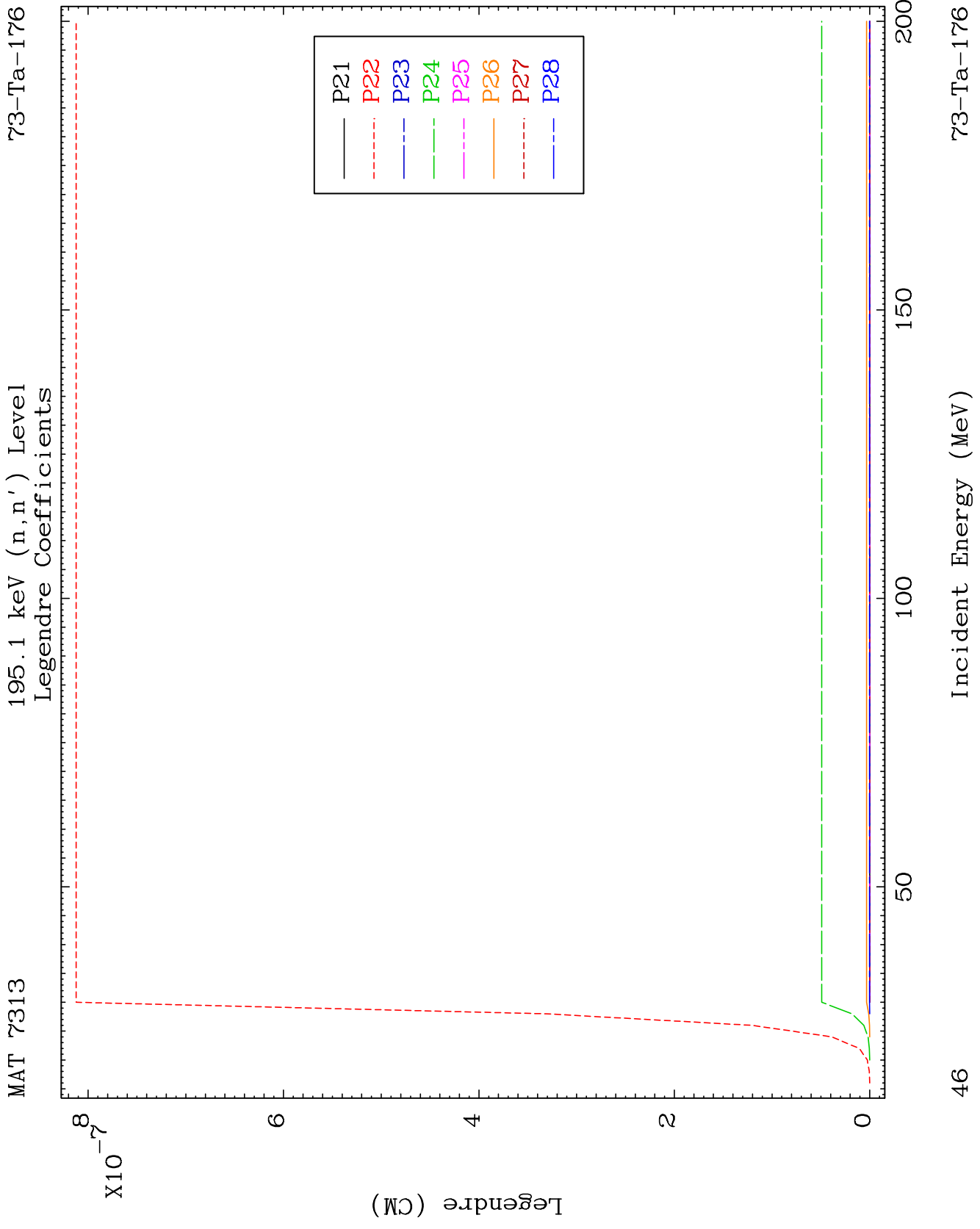
Incident Energy (MeV)

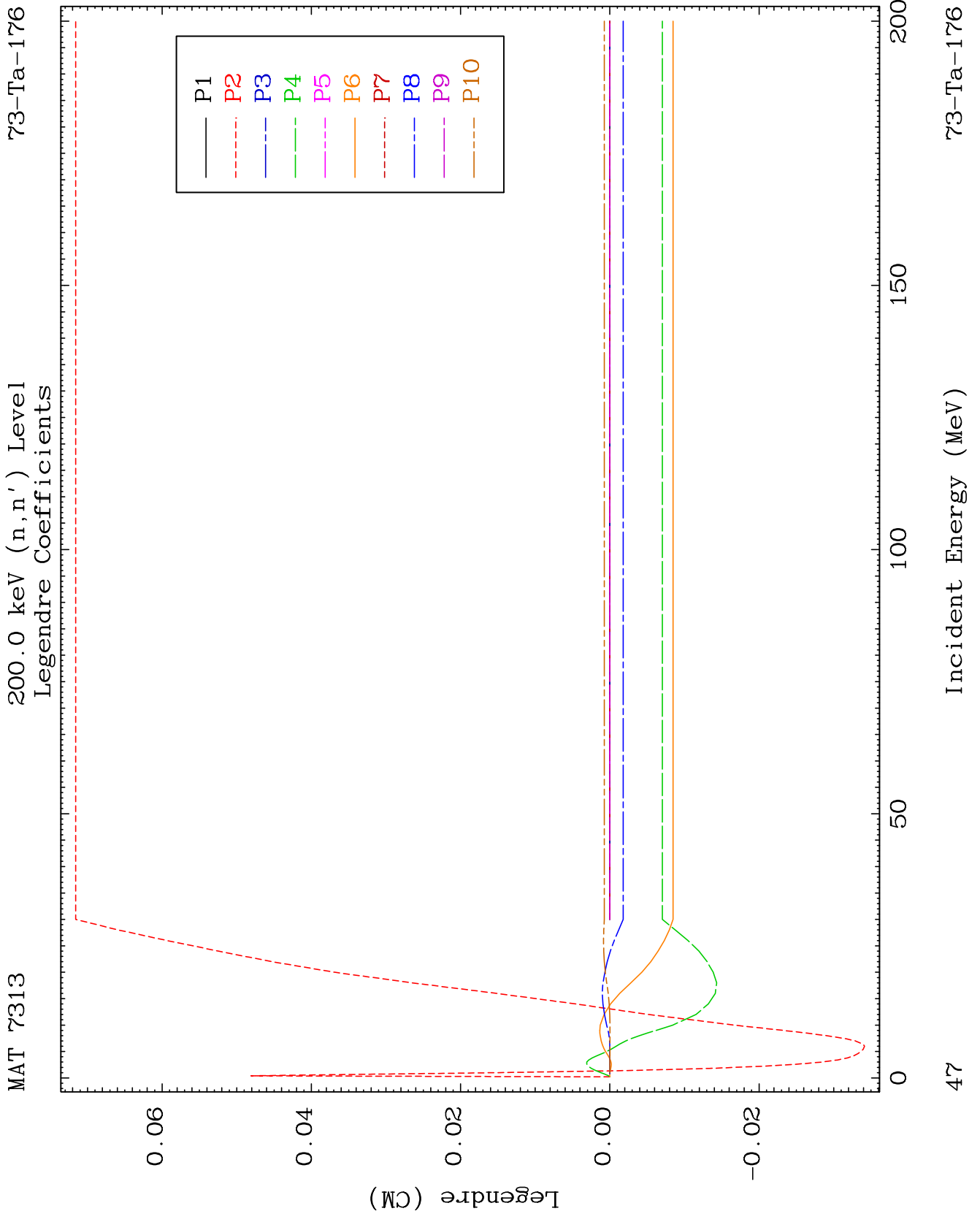
<sup>73</sup>Ta-176



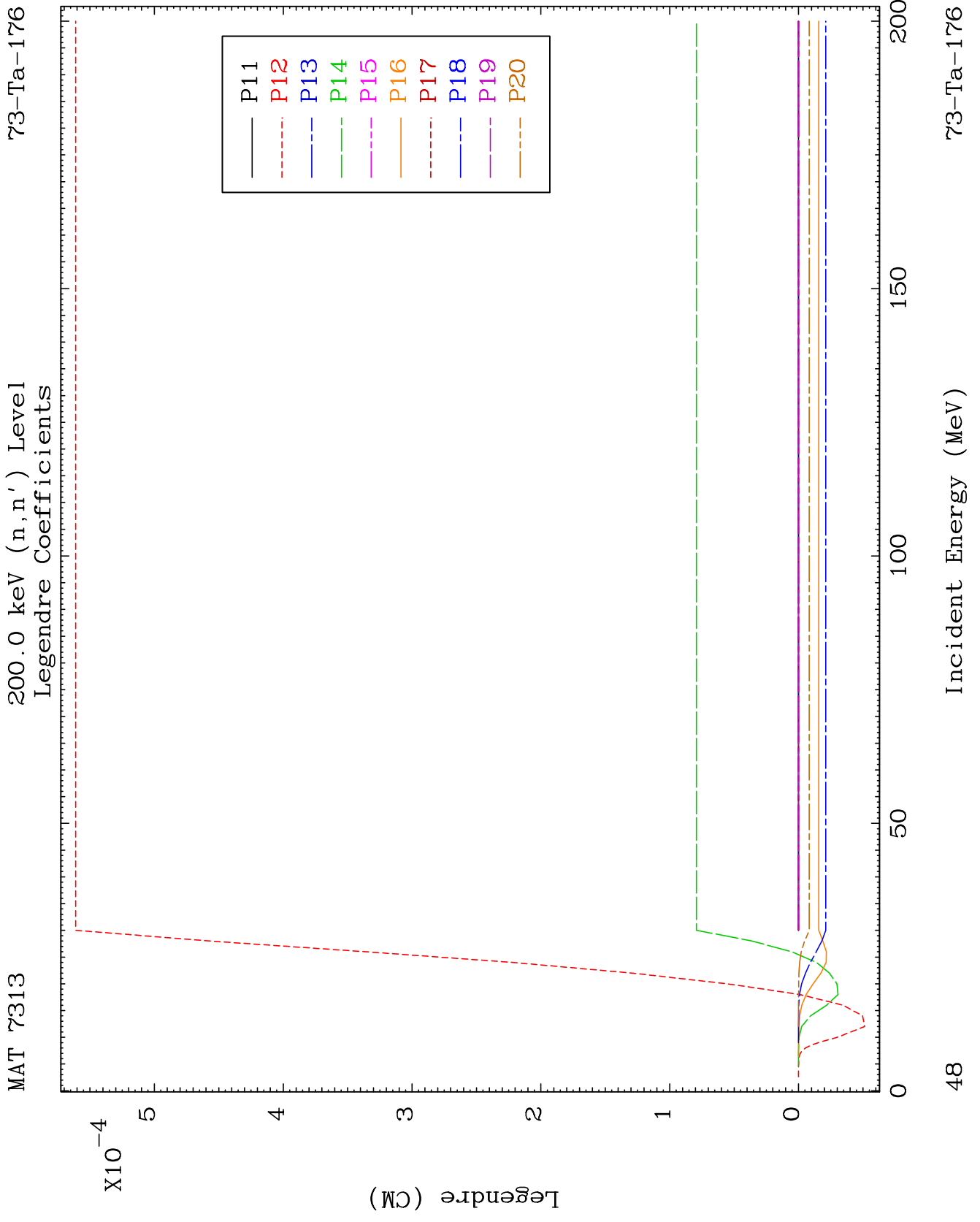


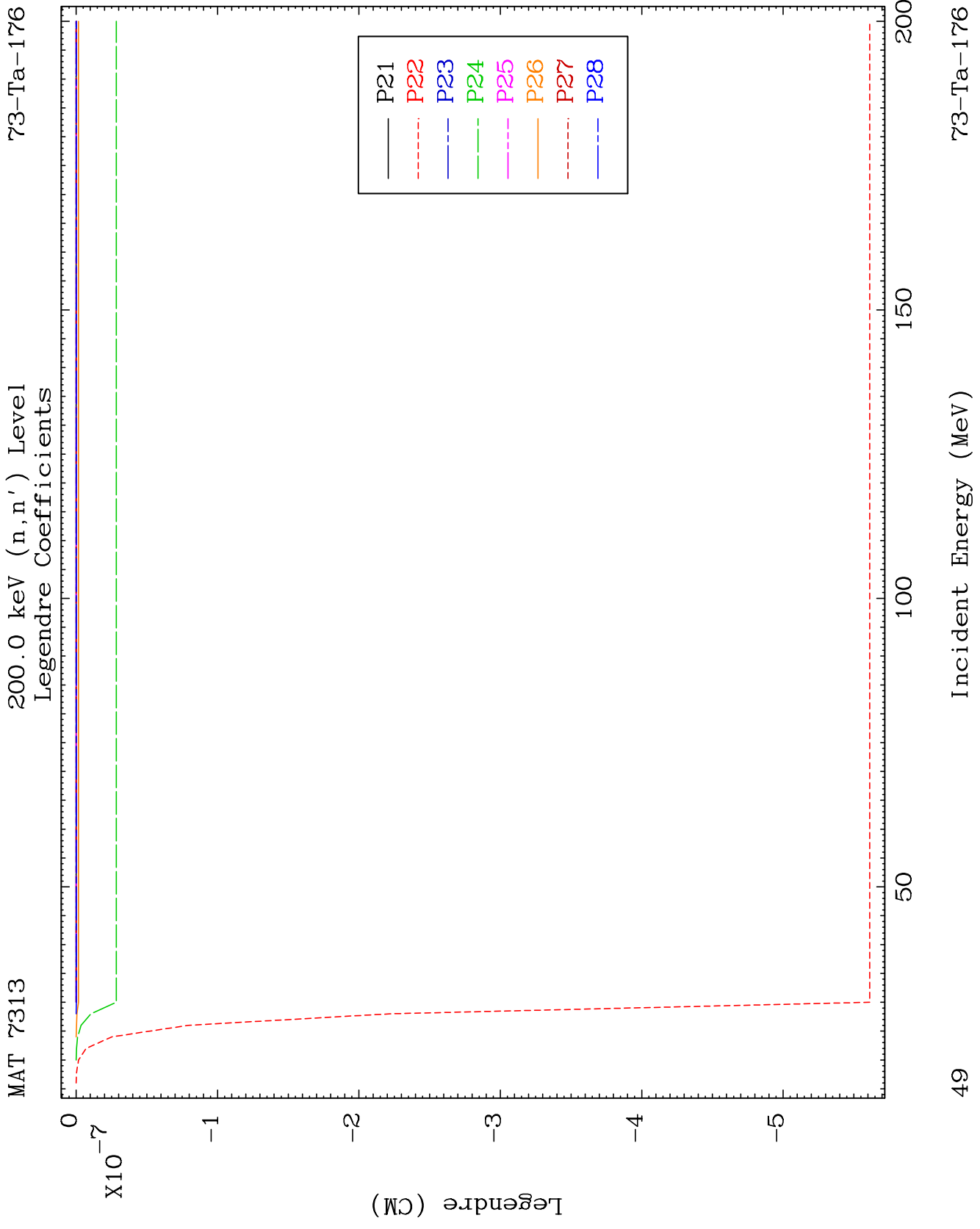


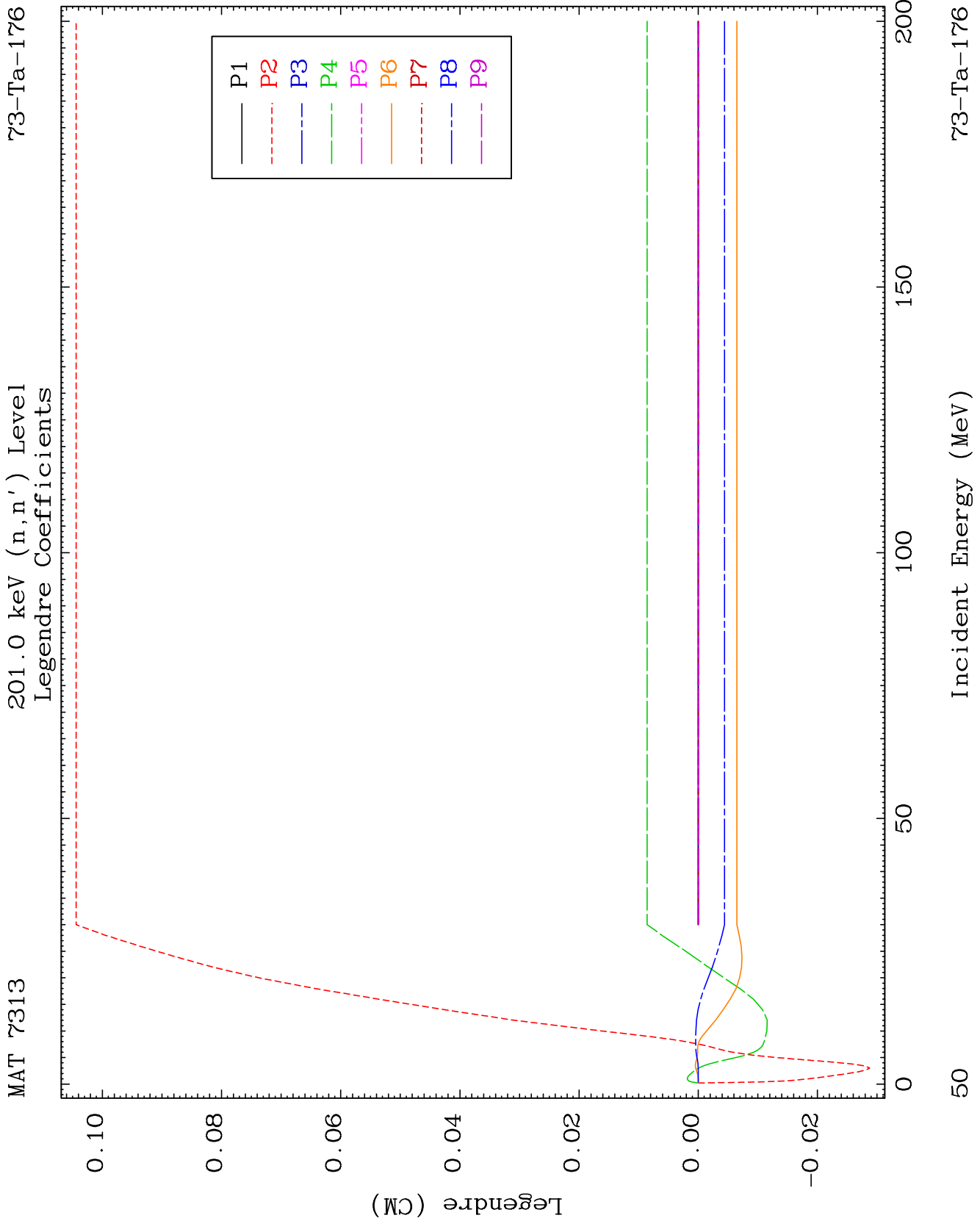








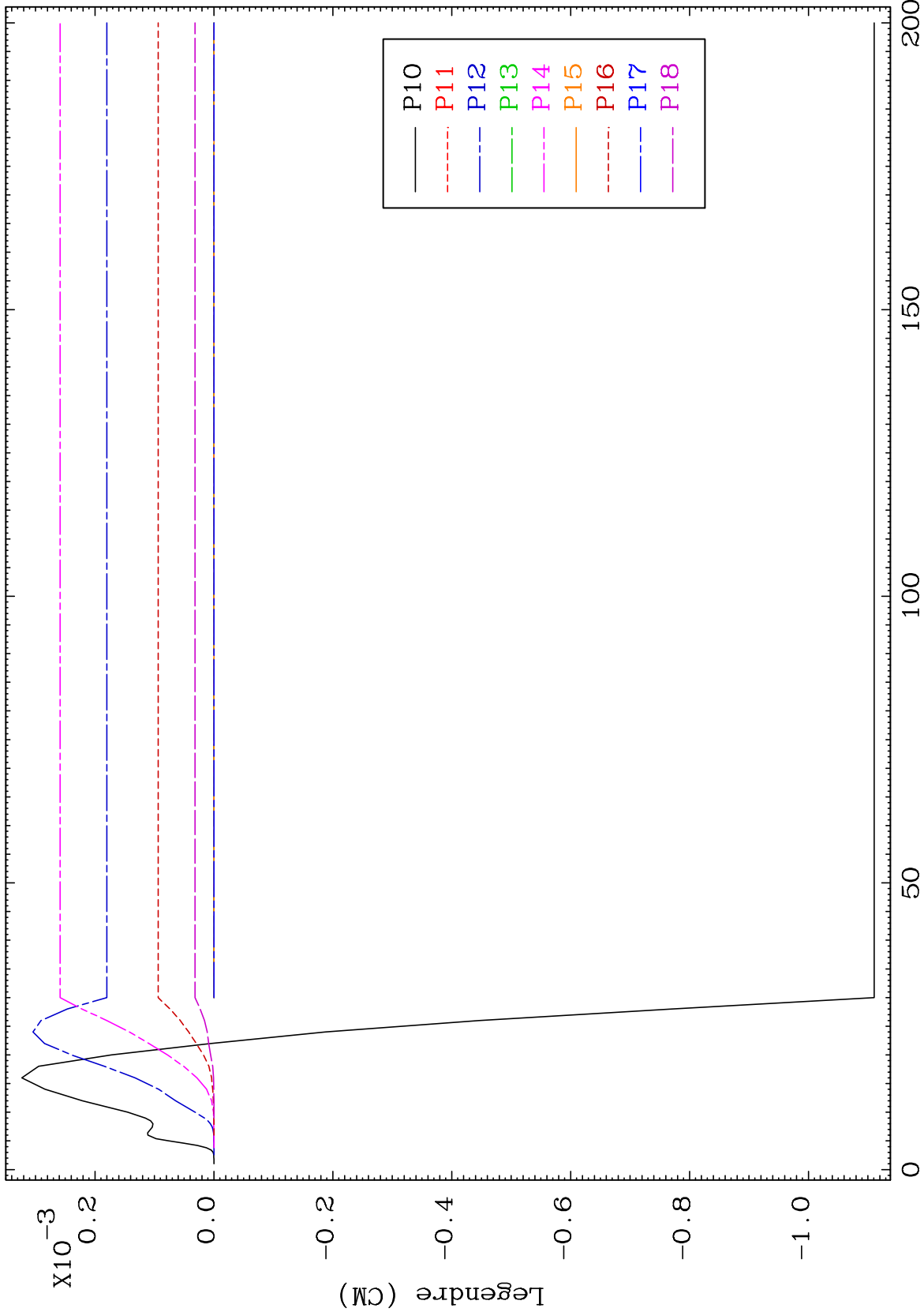




MAT 7313

201.0 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



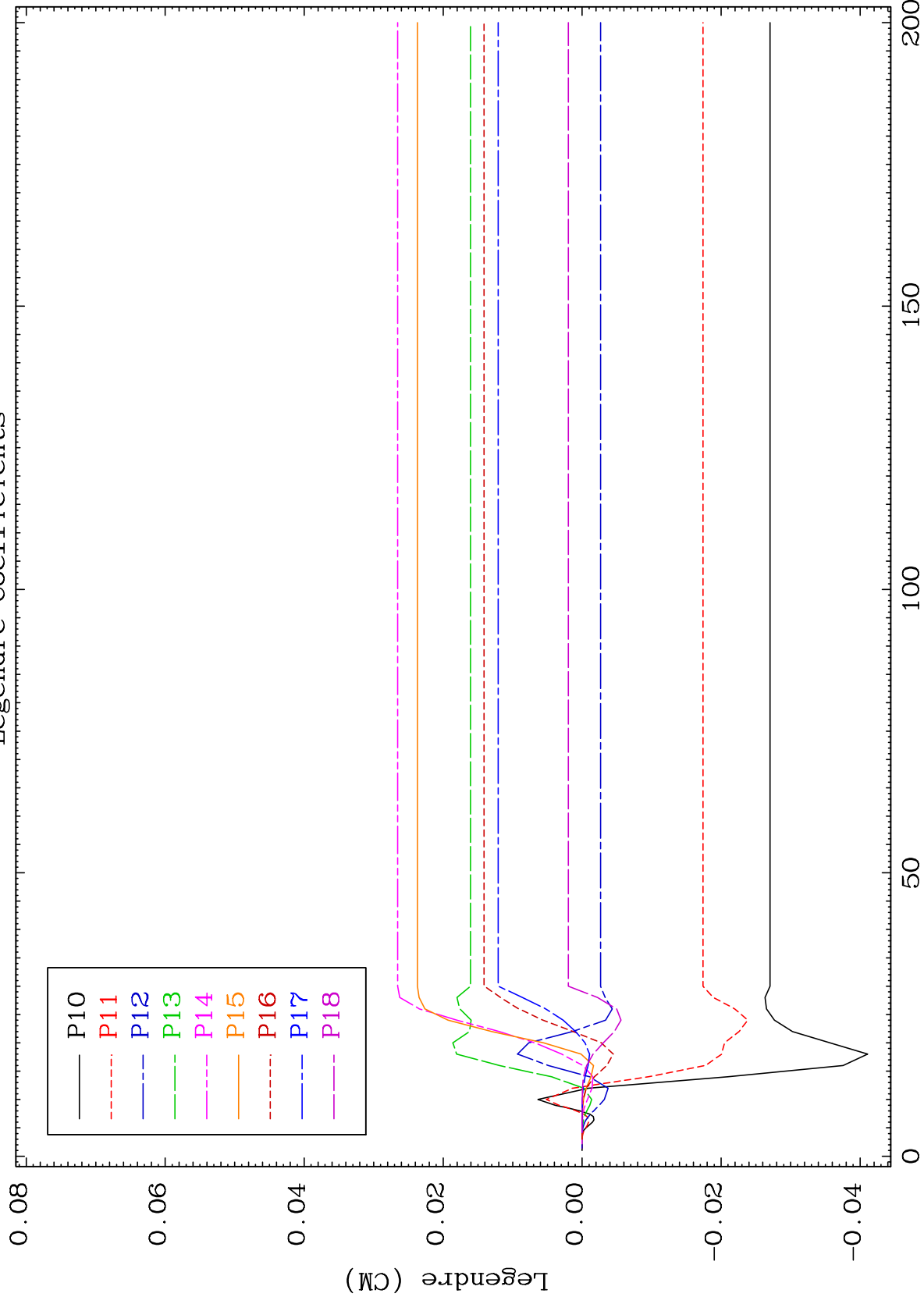




MAT 7313

202.0 keV (n,n') Level  
Legendre Coefficients

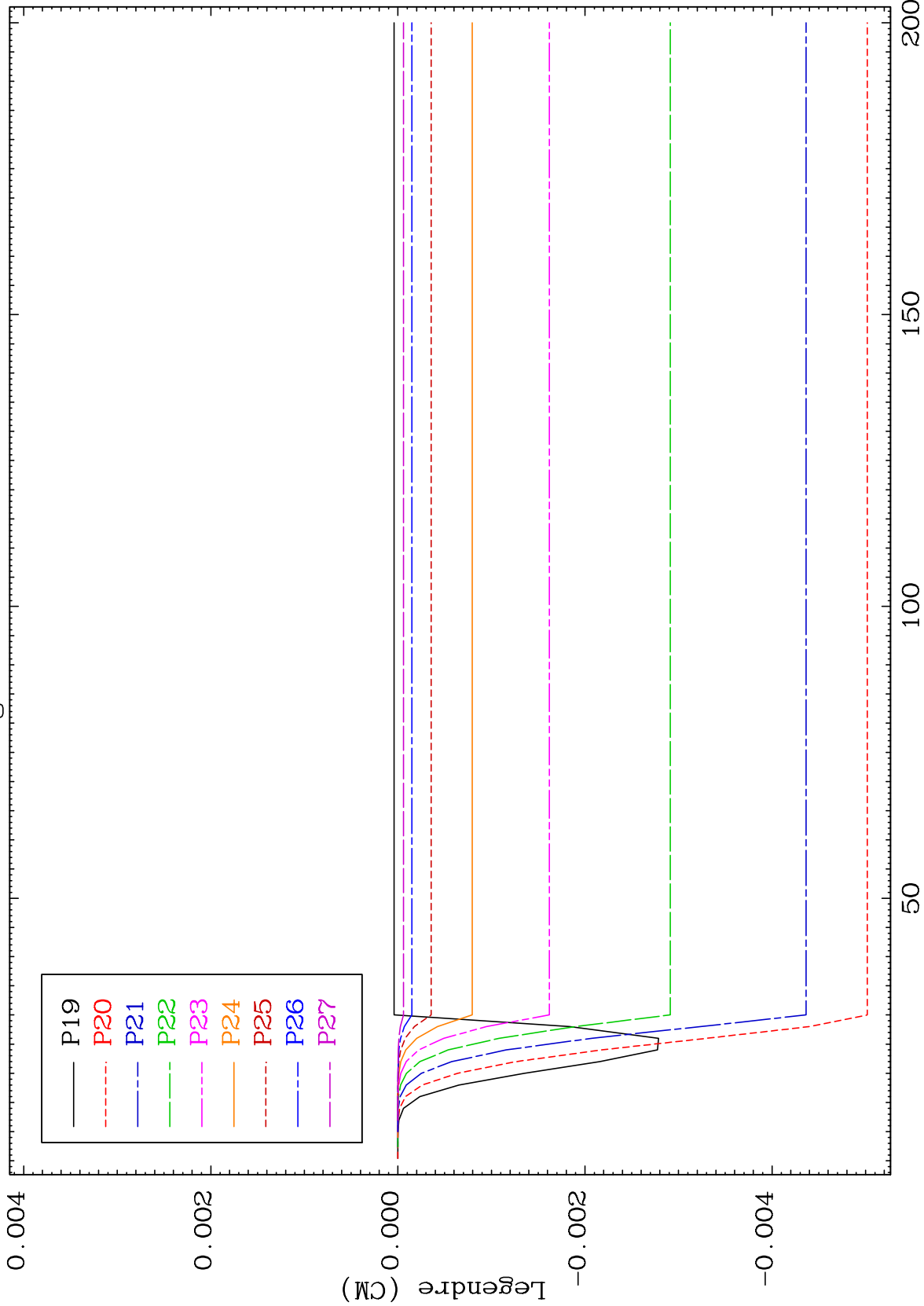
73-Ta-176



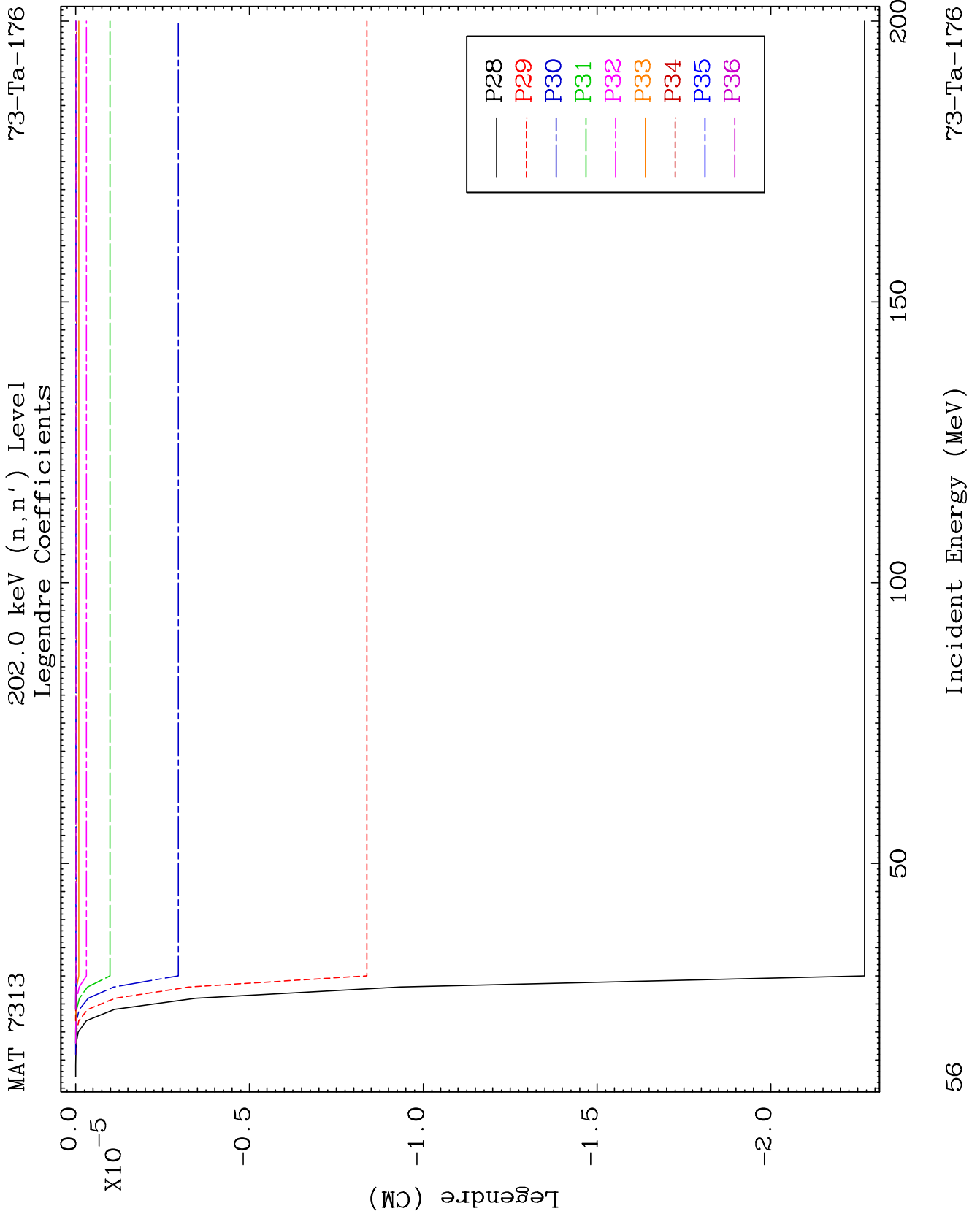
Incident Energy (MeV)

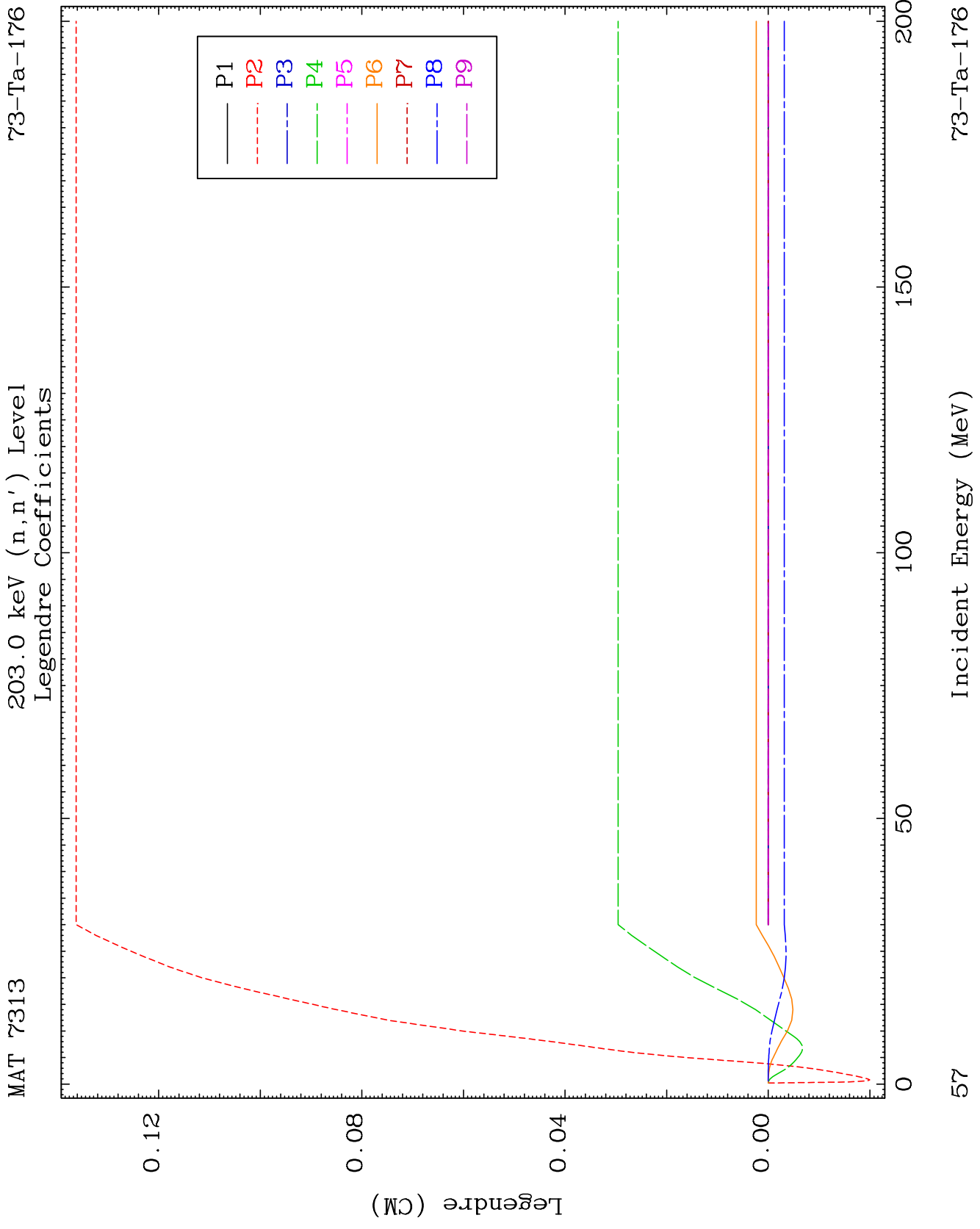
73-Ta-176

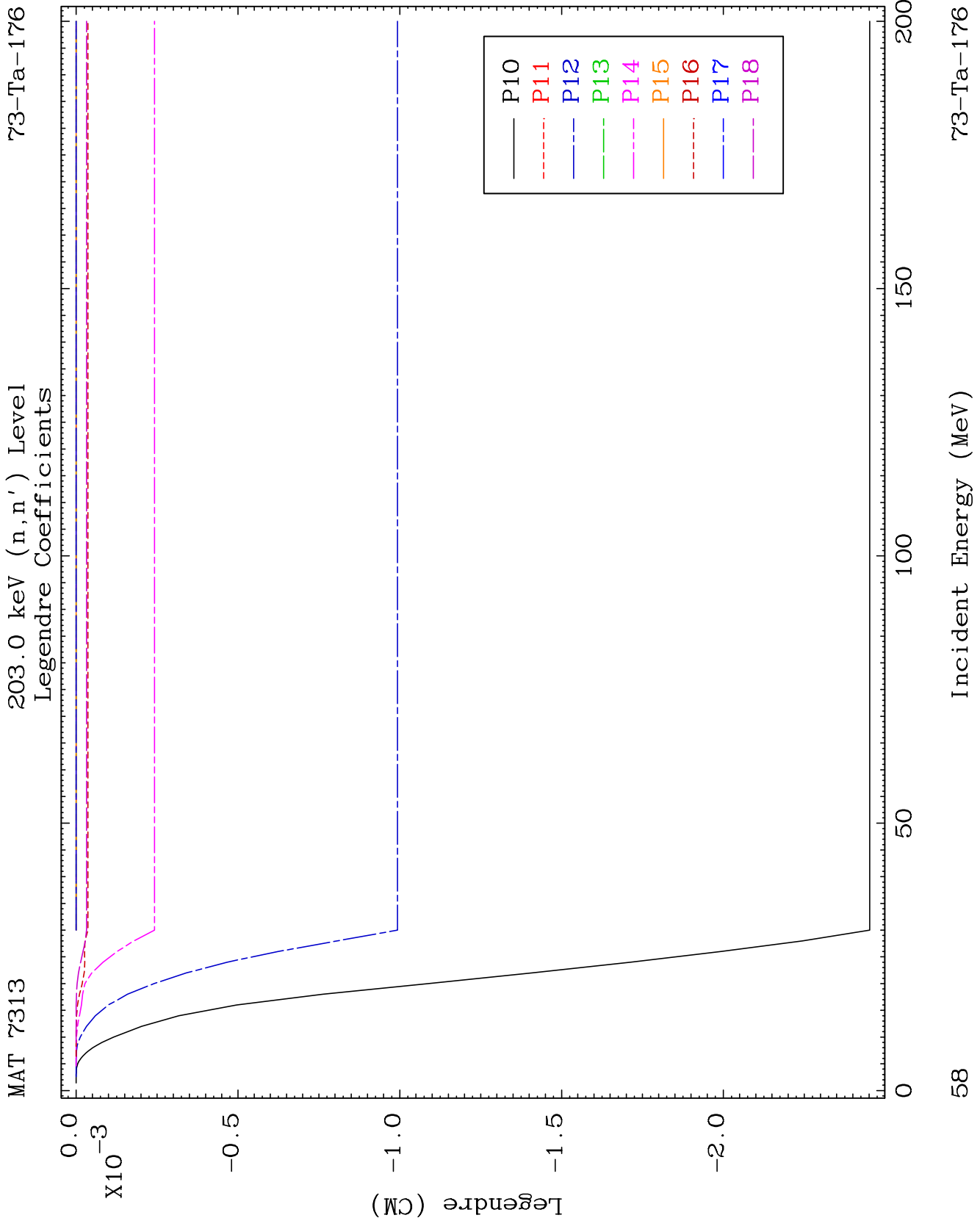
54

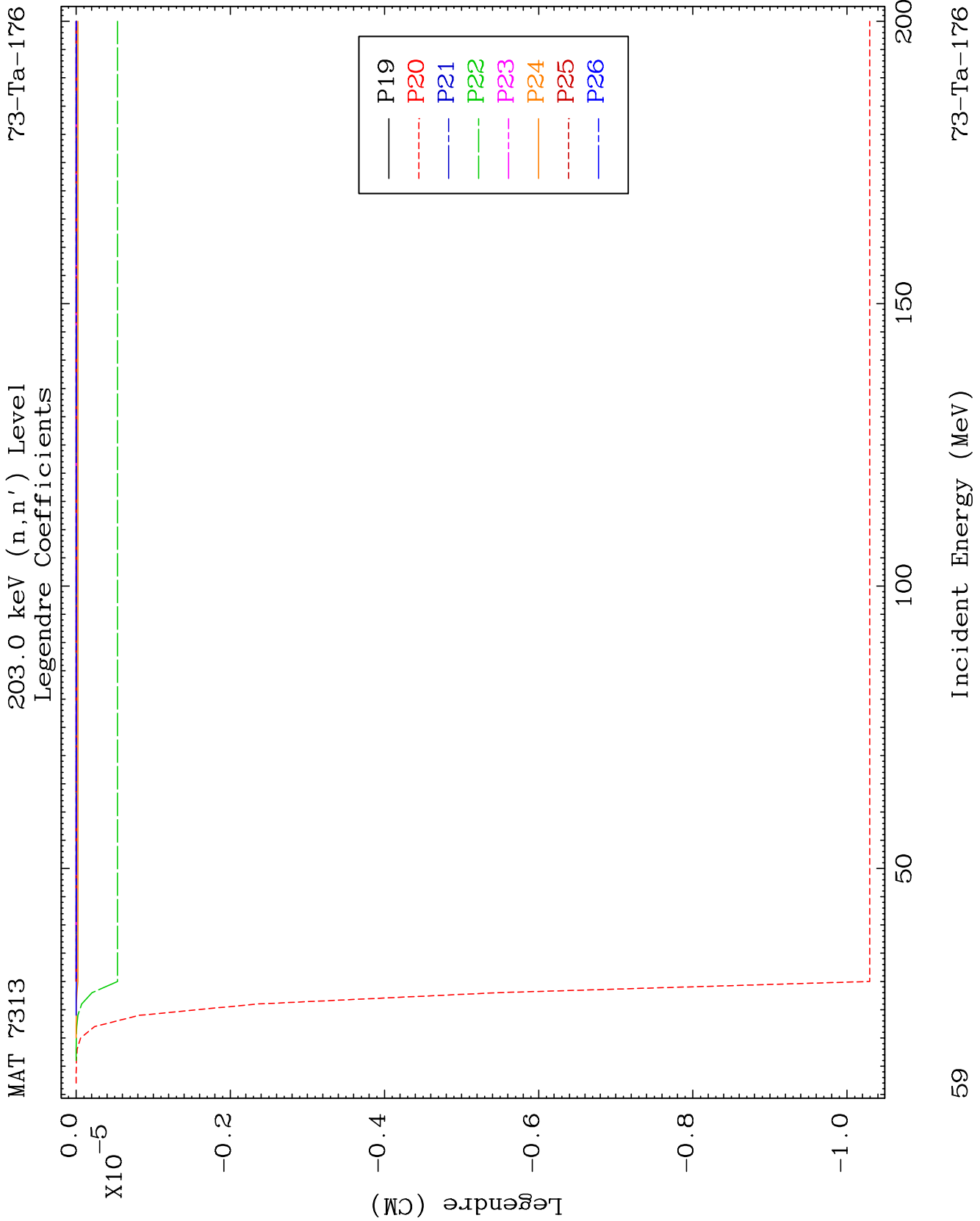








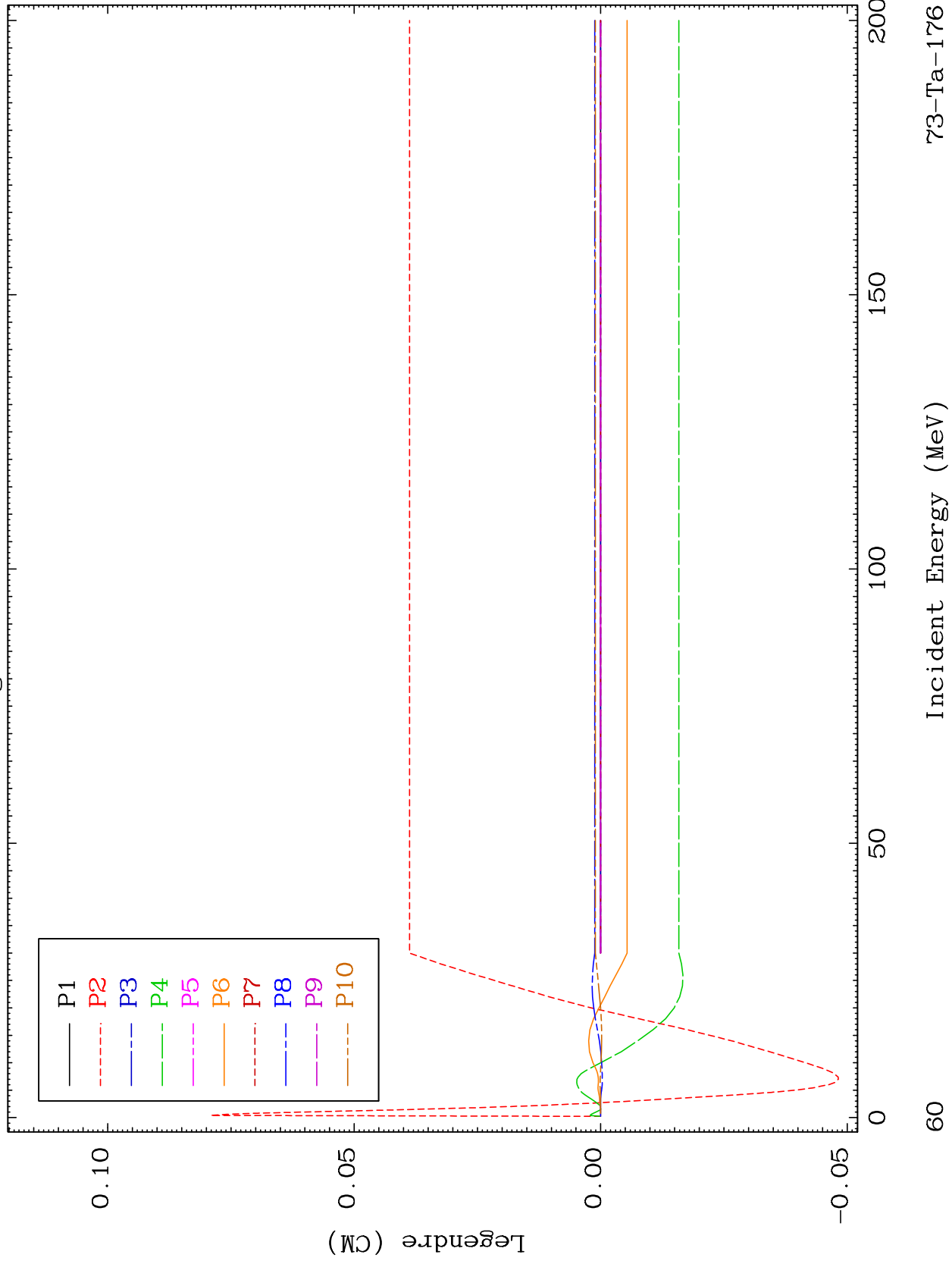




MAT 7313

222.7 keV (n,n') Level  
Legendre Coefficients

73-Ta-176

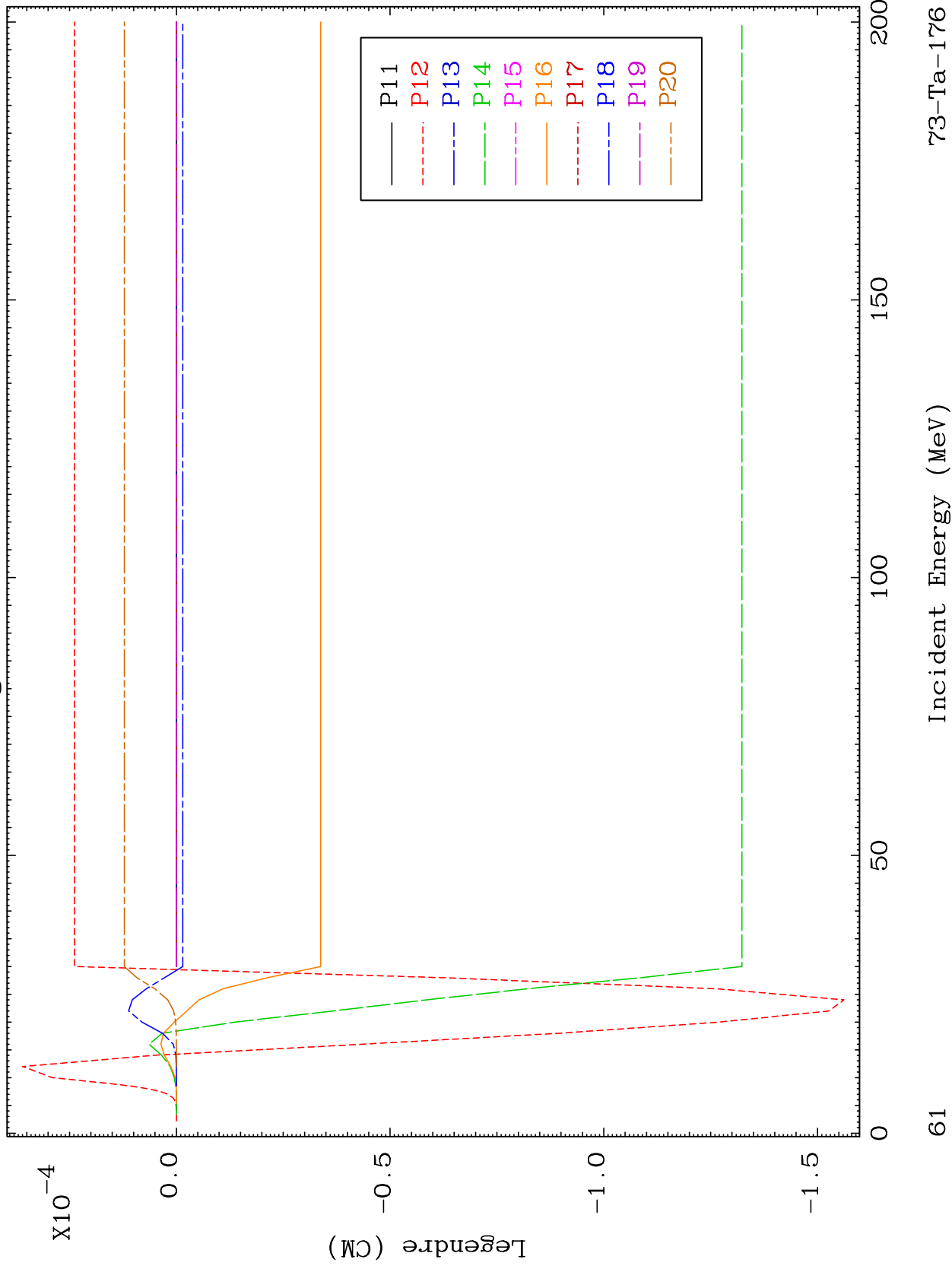


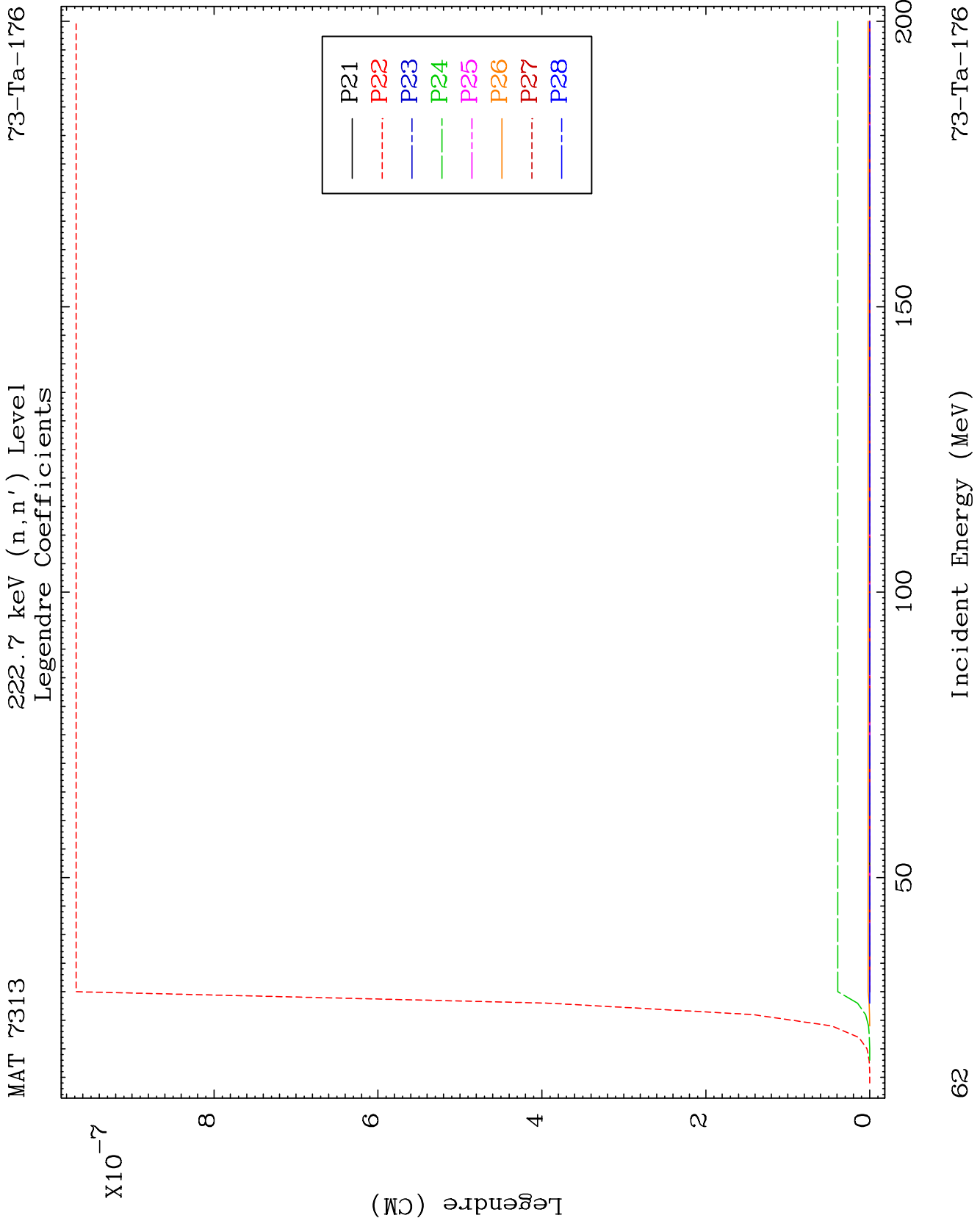
73-Ta-176

MAT 7313

222.7 keV (n,n') Level  
Legendre Coefficients

73-Ta-176

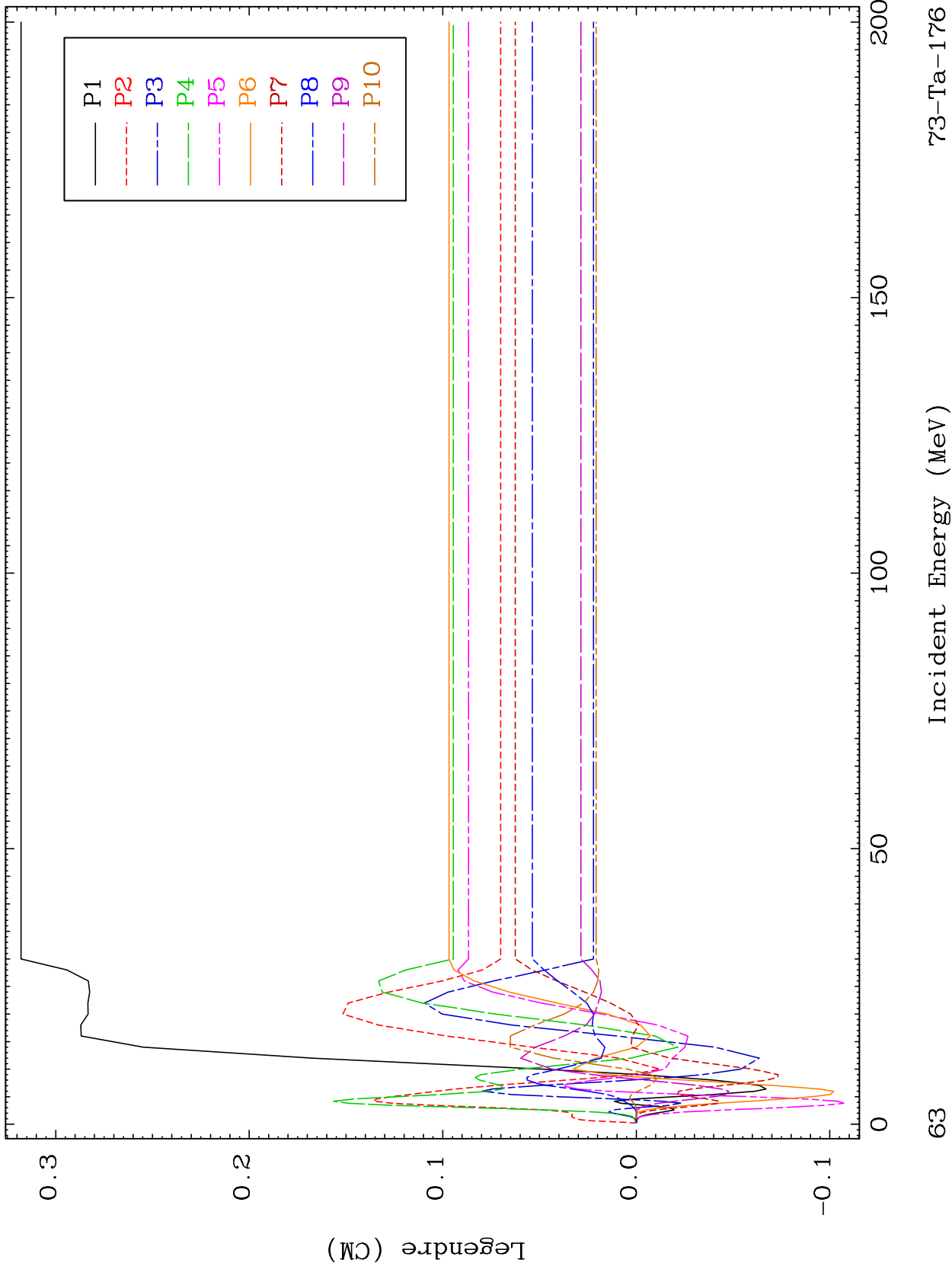




MAT 7313

223.7 keV (n,n') Level  
Legendre Coefficients

73-Ta-176

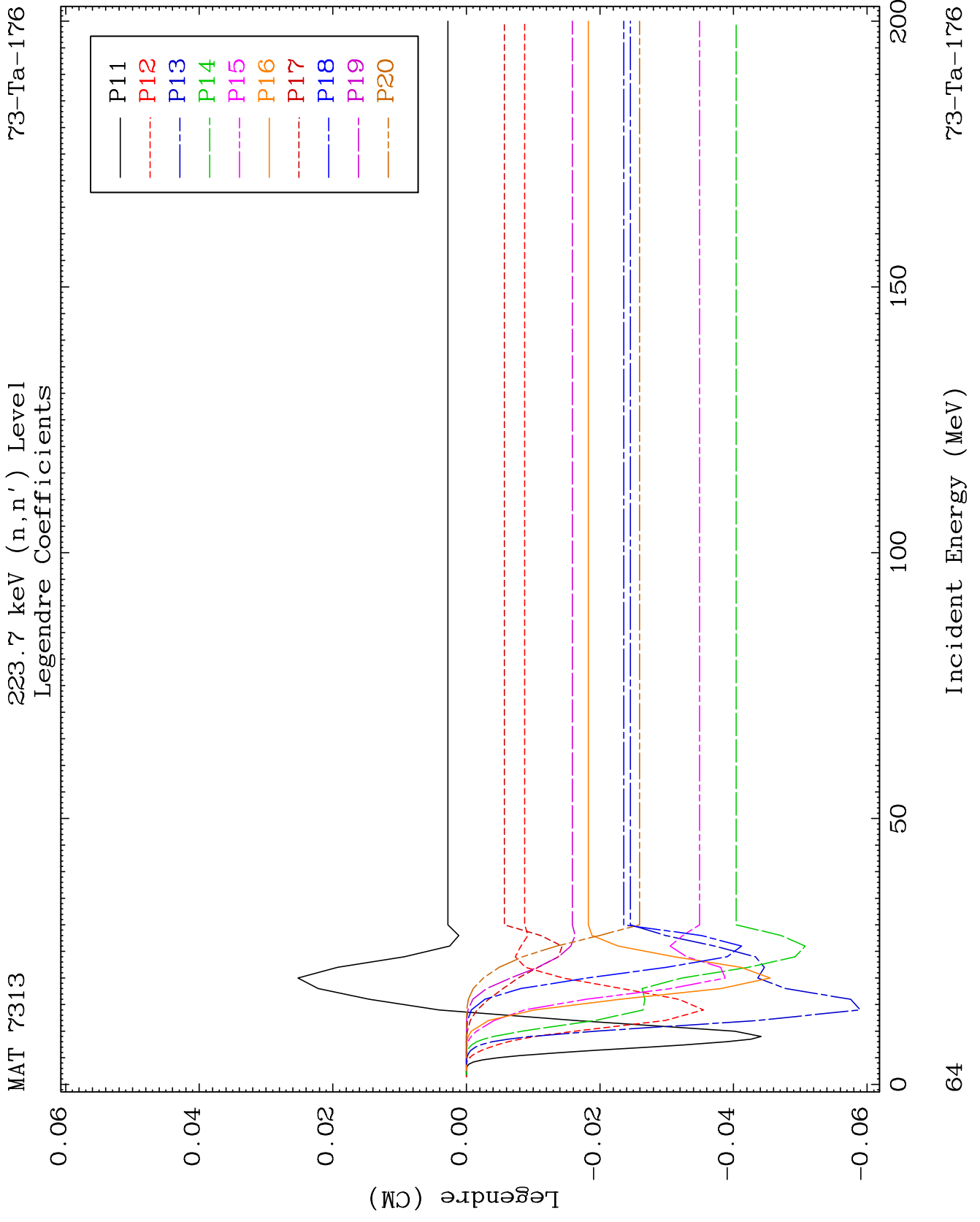


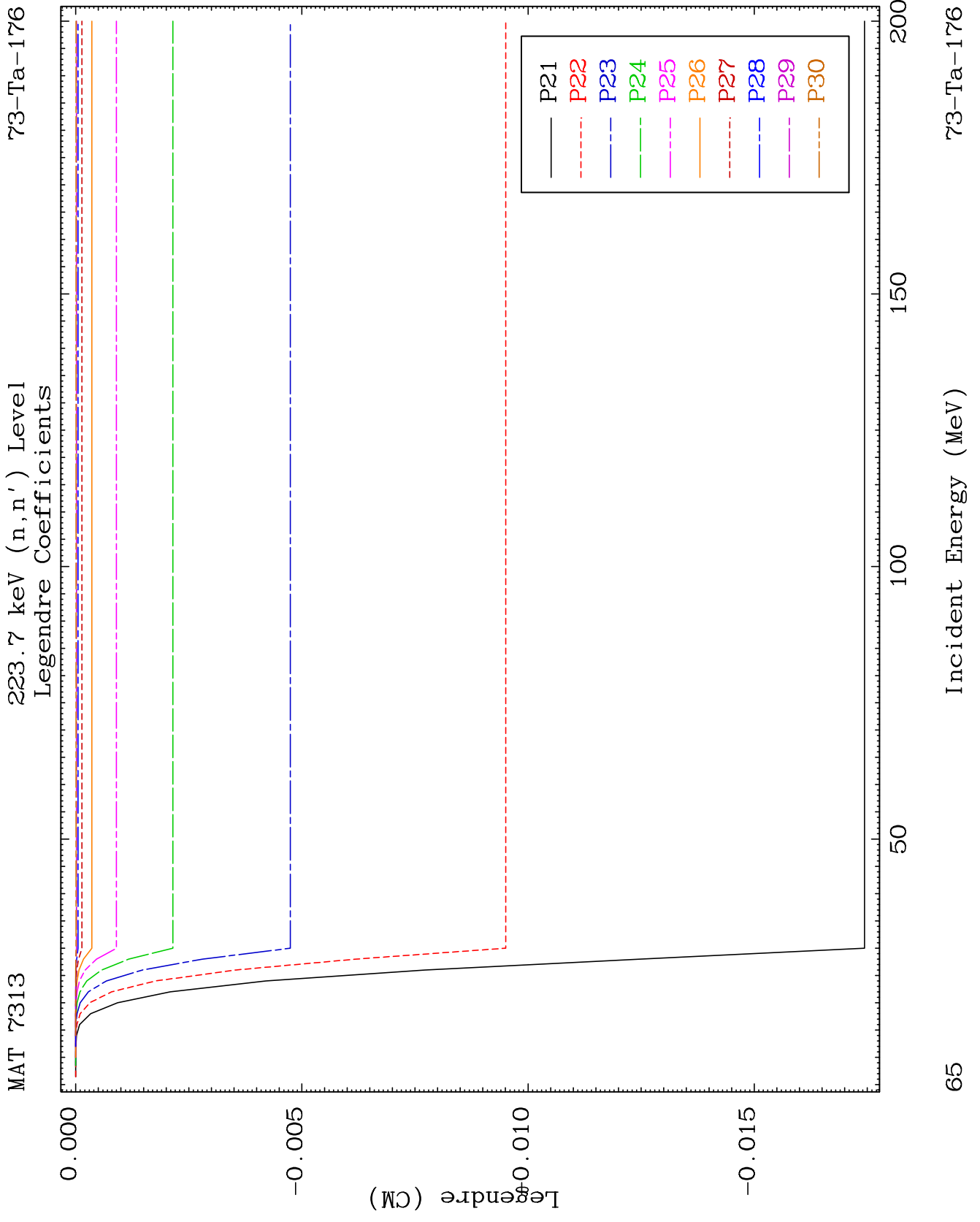
73-Ta-176

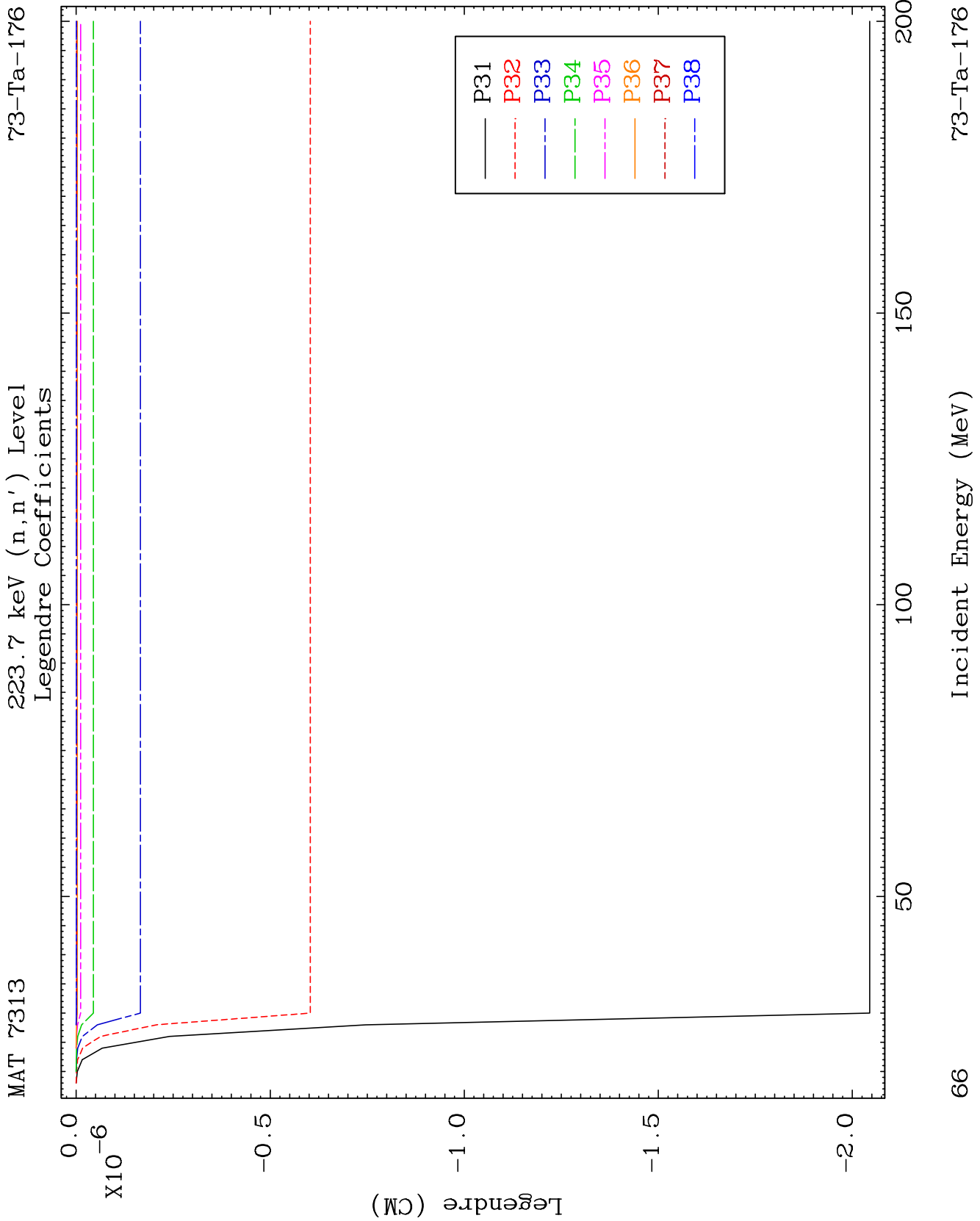
Incident Energy (MeV)

63





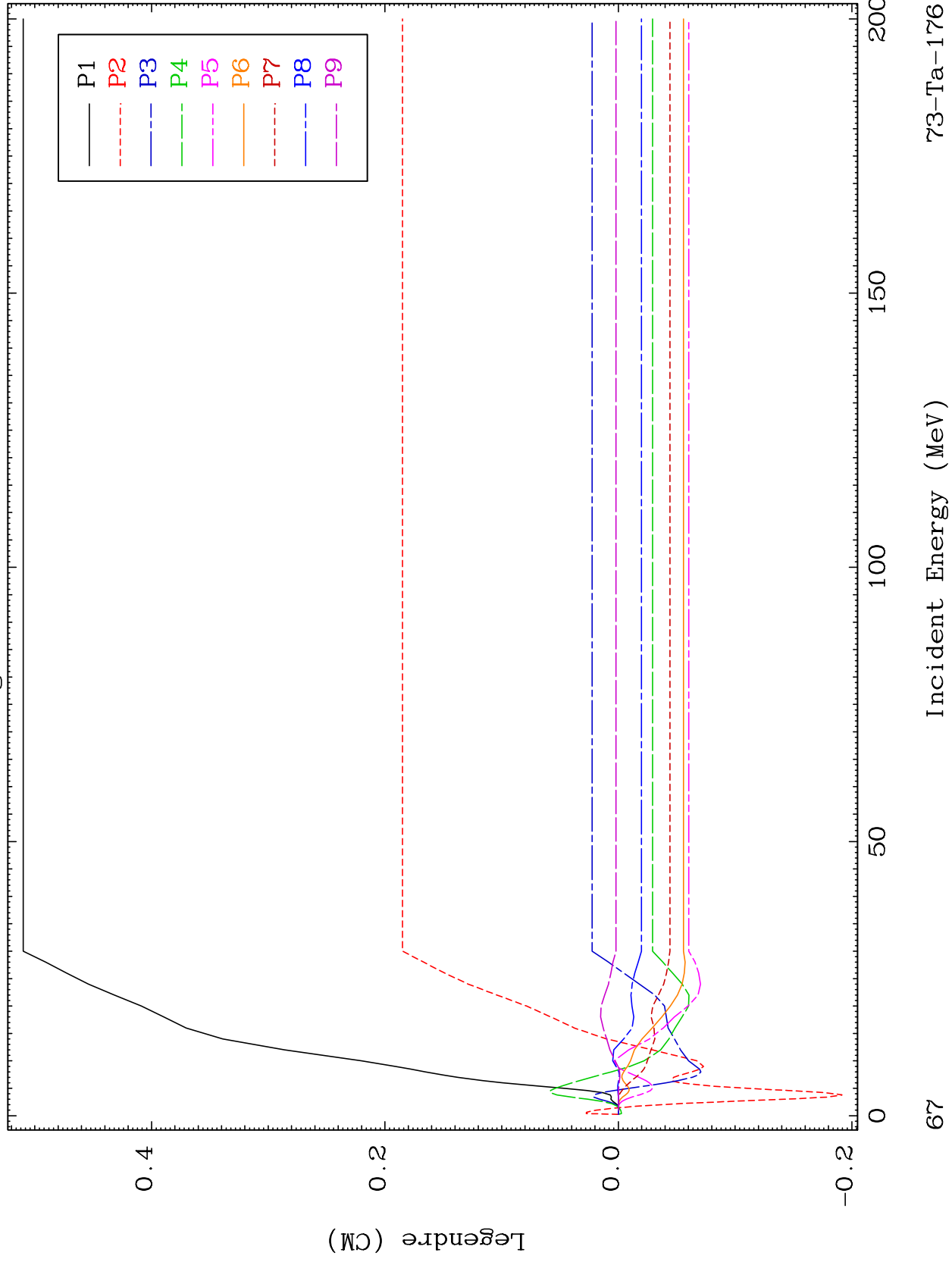




MAT 7313

230.8 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



73-Ta-176

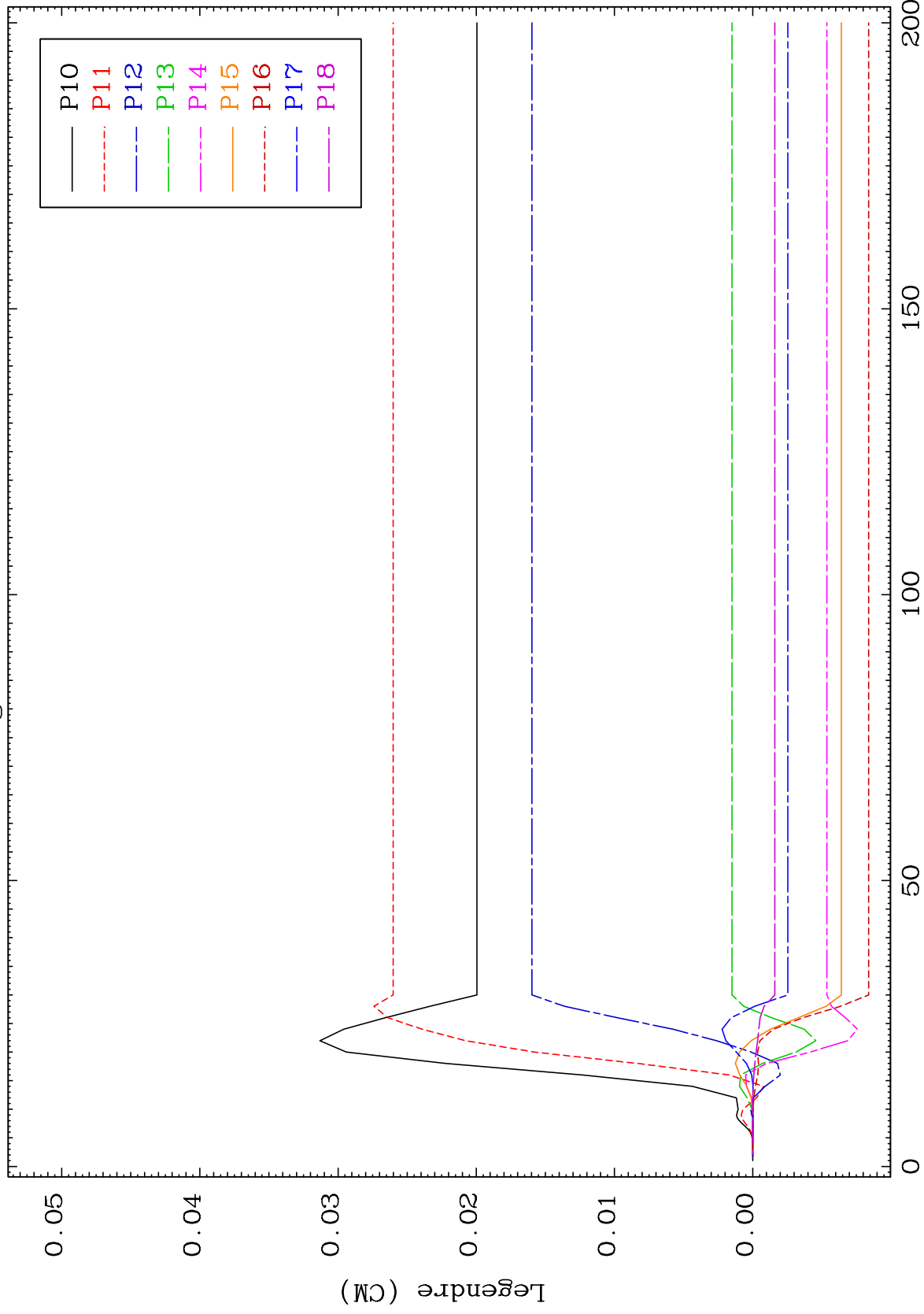
Incident Energy (MeV)

67

MAT 7313

230.8 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



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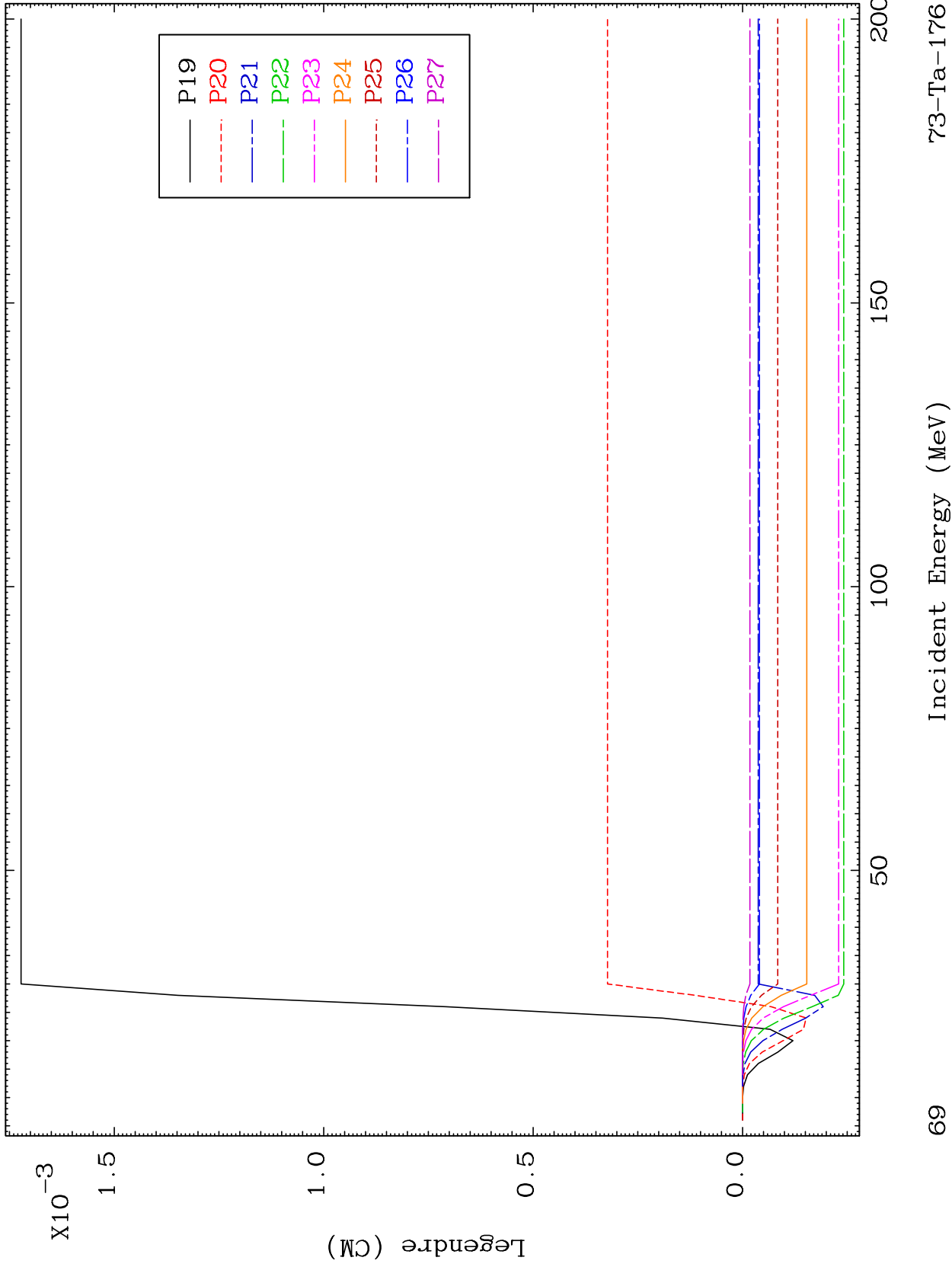
Incident Energy (MeV)

73-Ta-176

MAT 7313

230.8 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



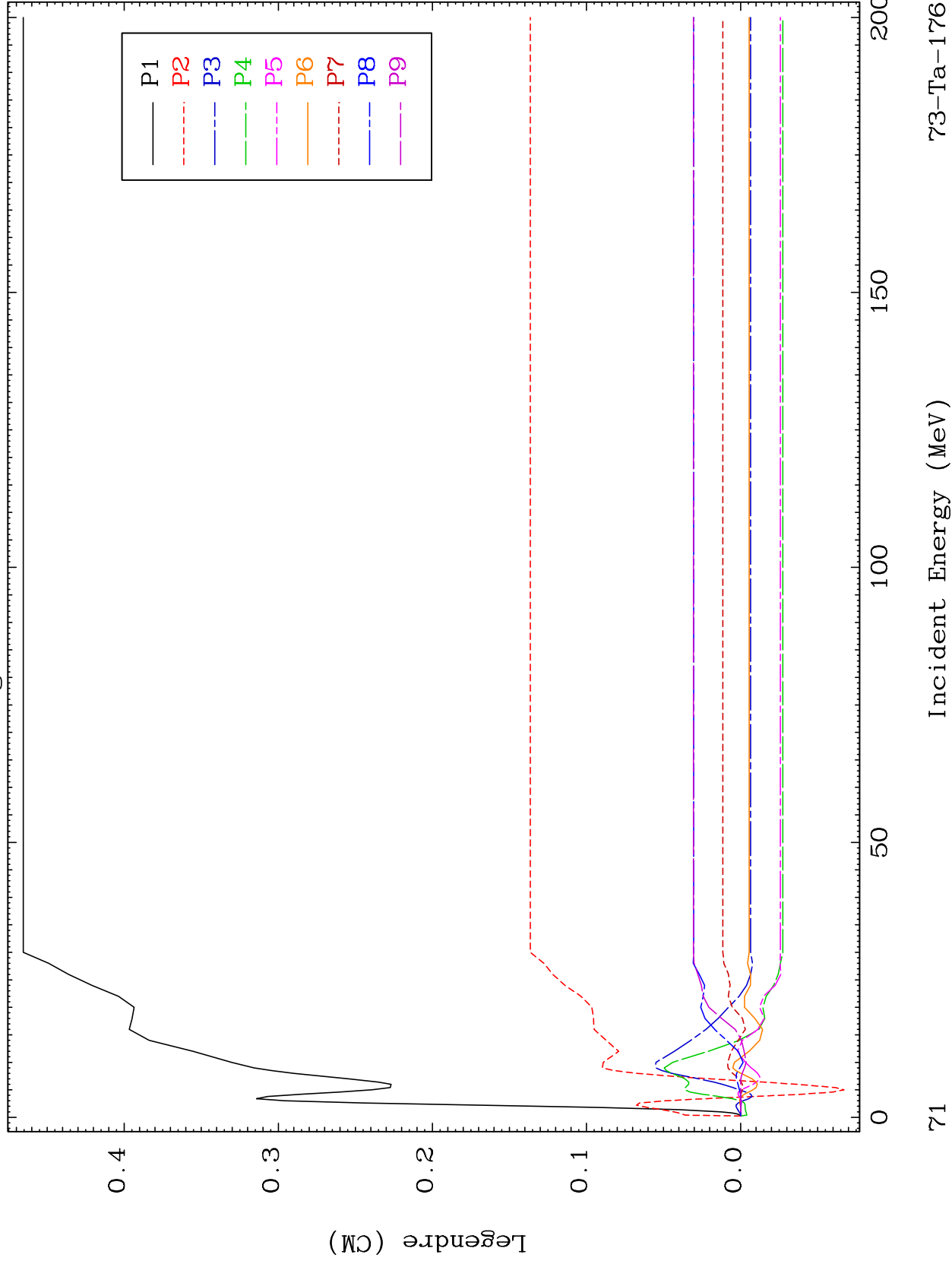
69



MAT 7313

235.3 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



73-Ta-176

Incident Energy (MeV)

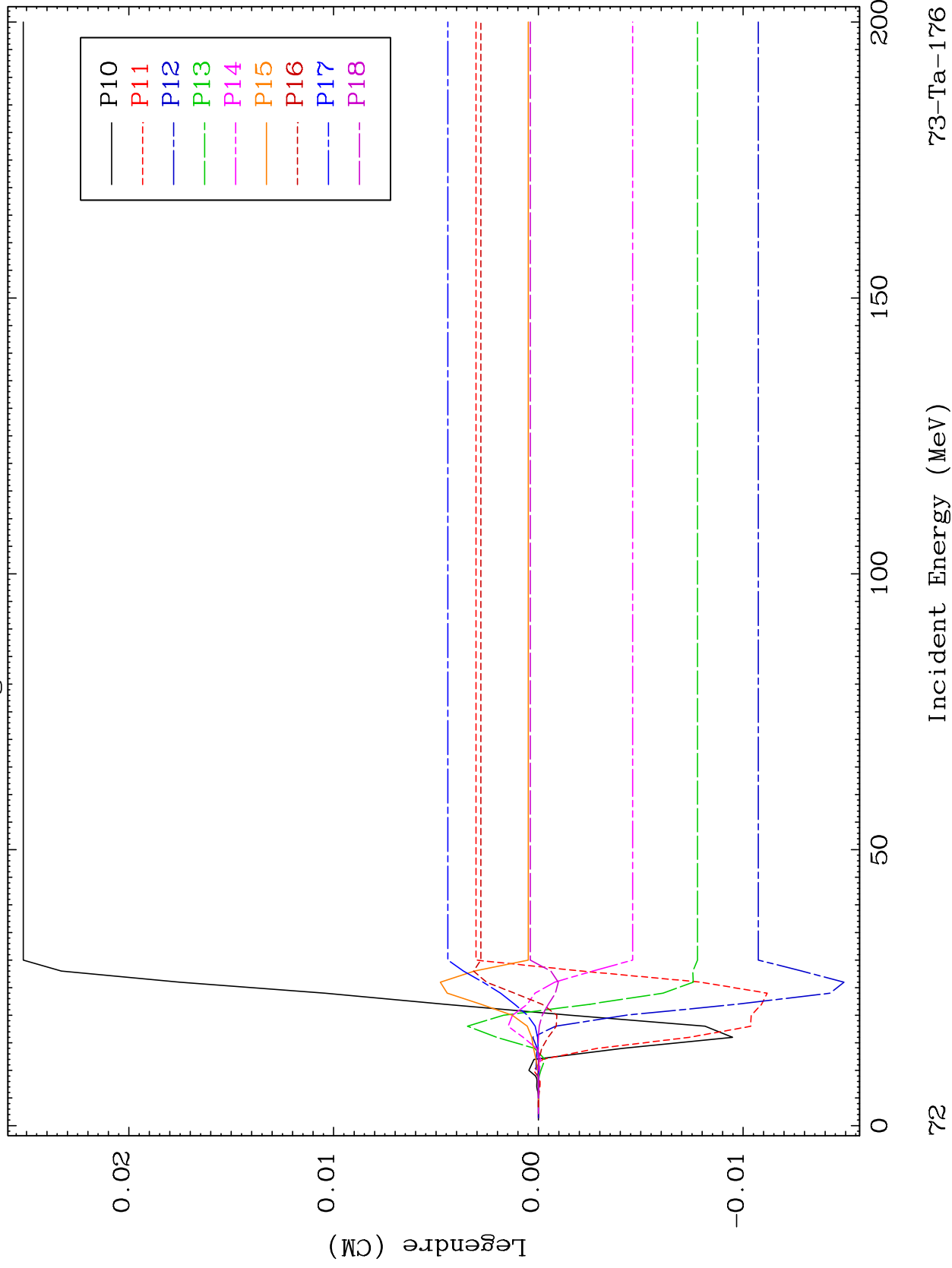
71



MAT 7313

235.3 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



72

Incident Energy (MeV)

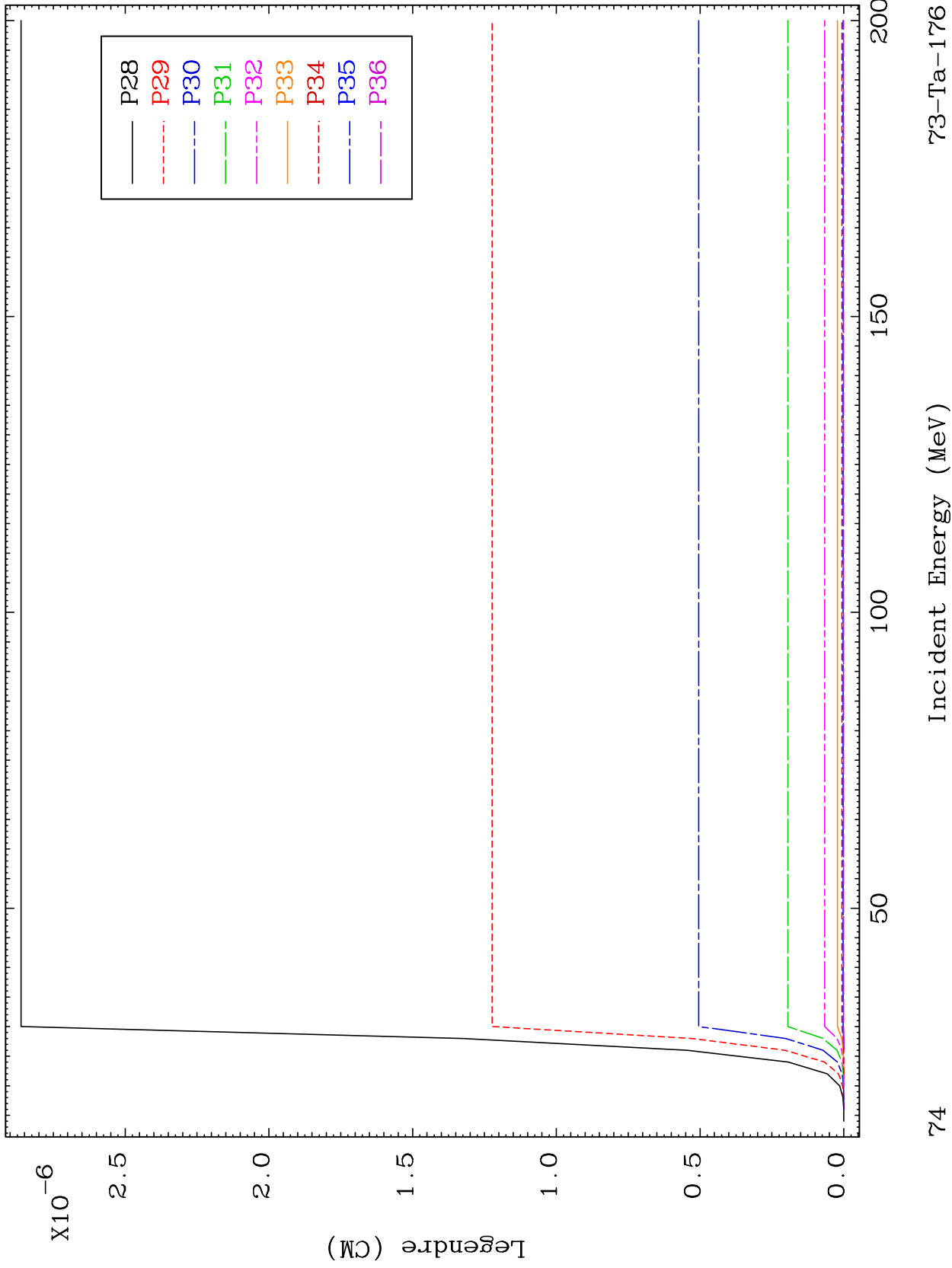
73-Ta-176

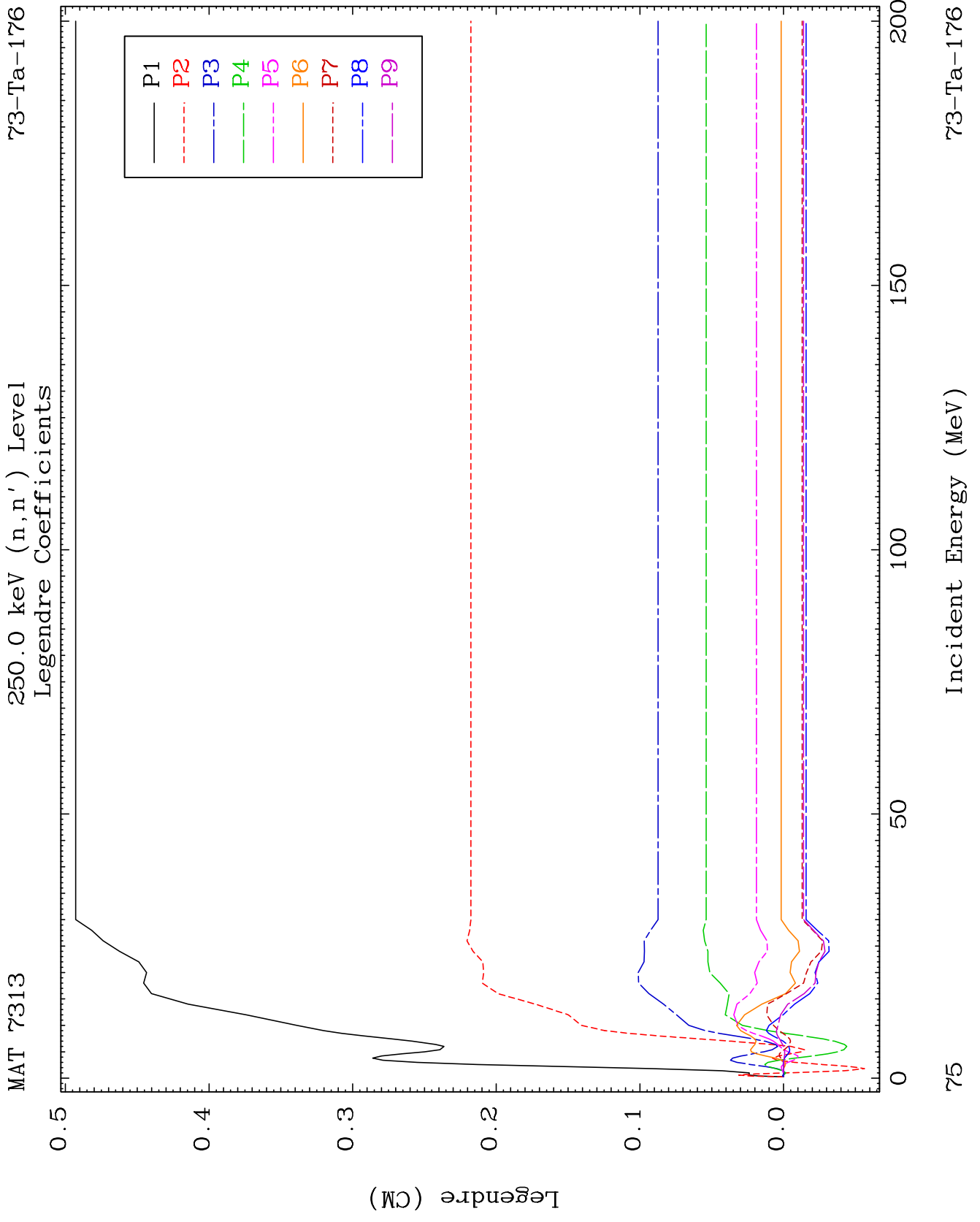


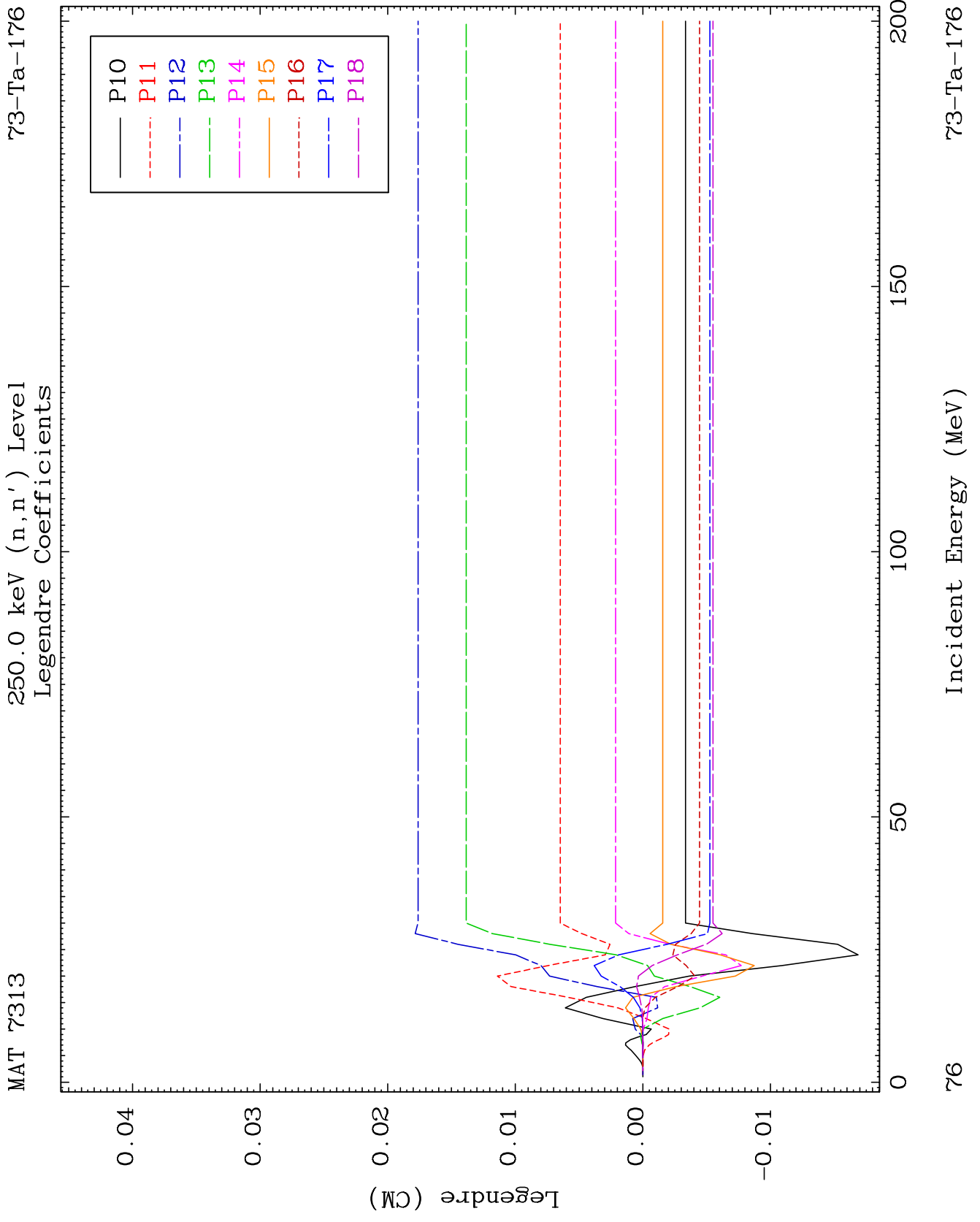
MAT 7313

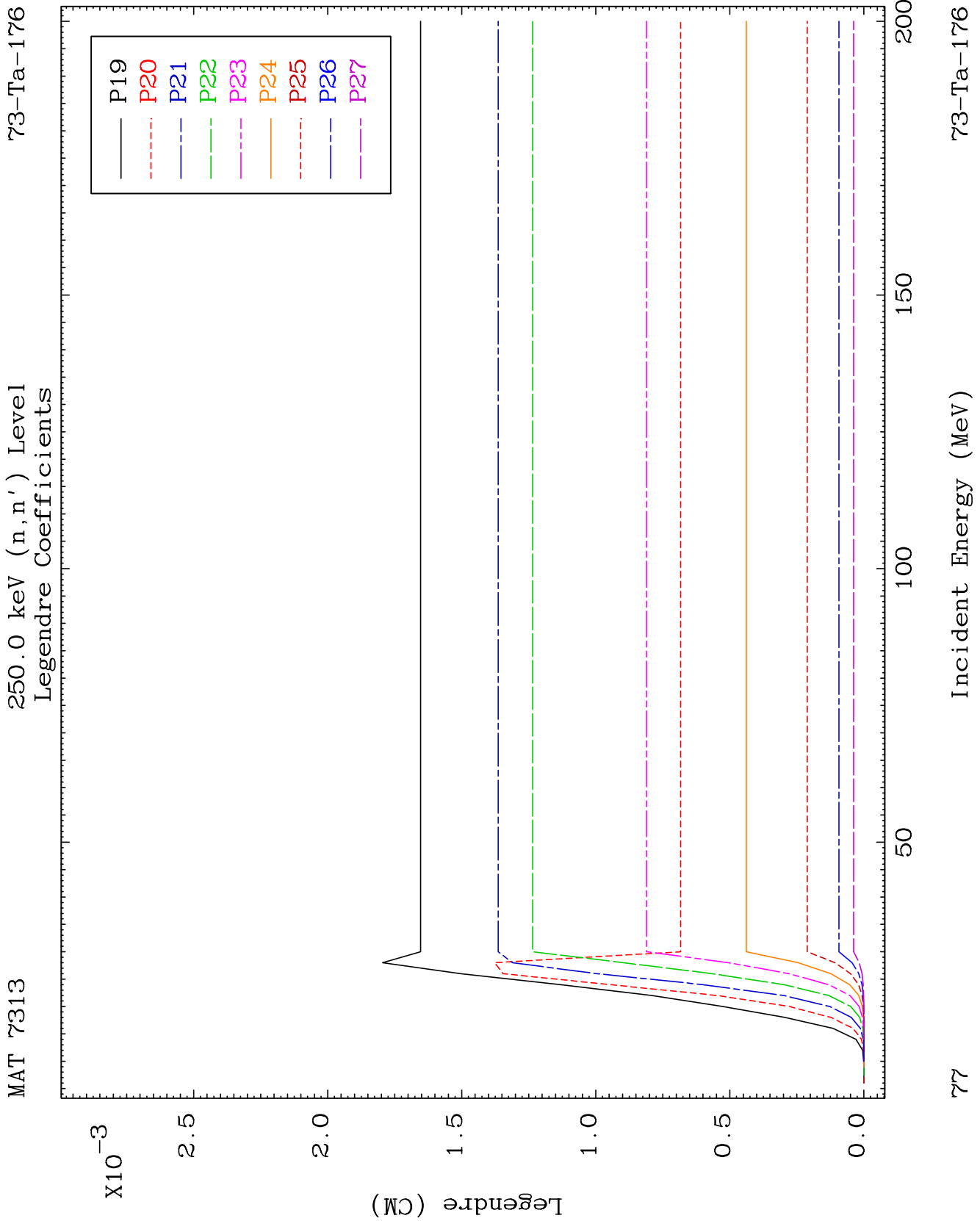
235.3 keV (n,n') Level  
Legendre Coefficients

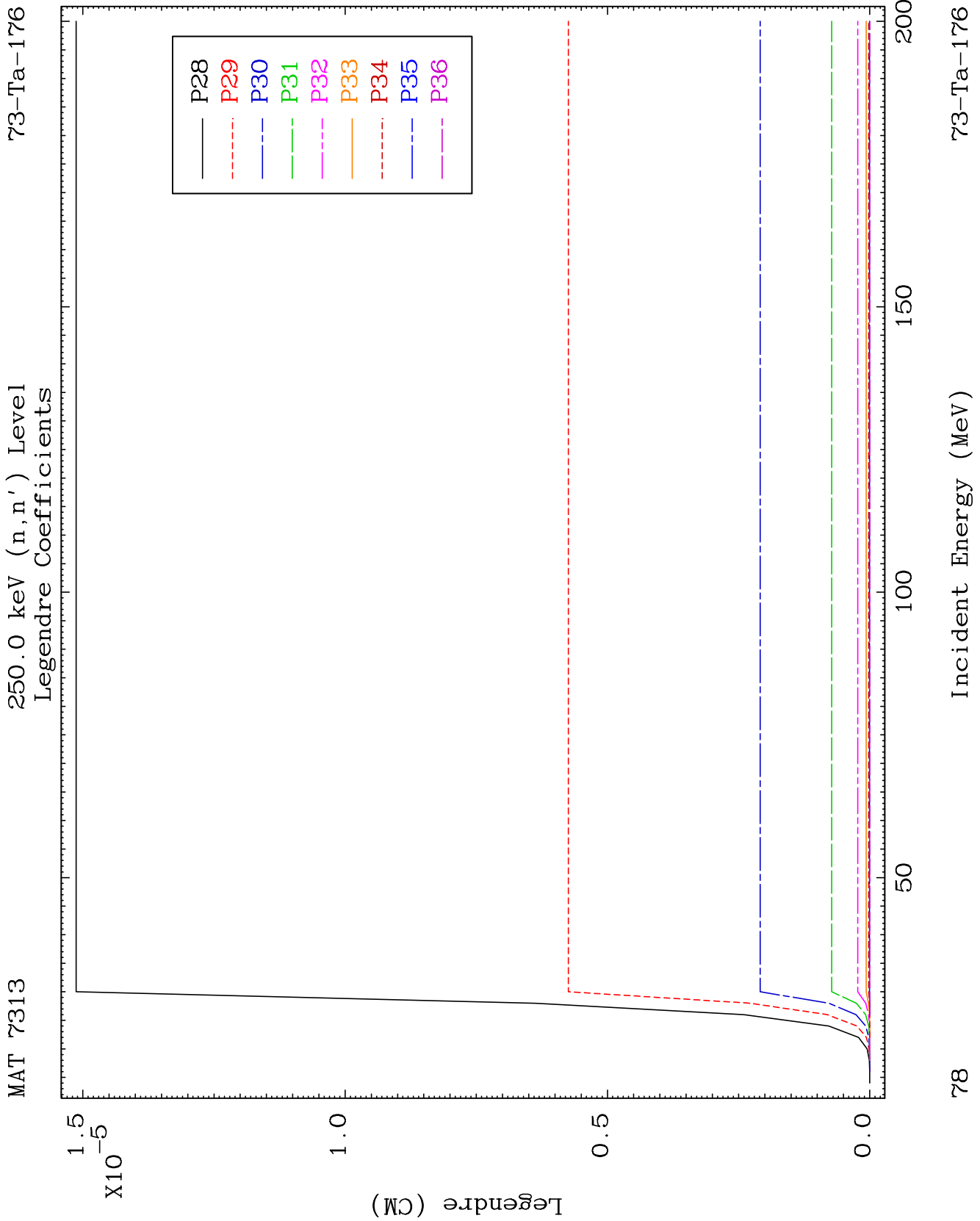
73-Ta-176







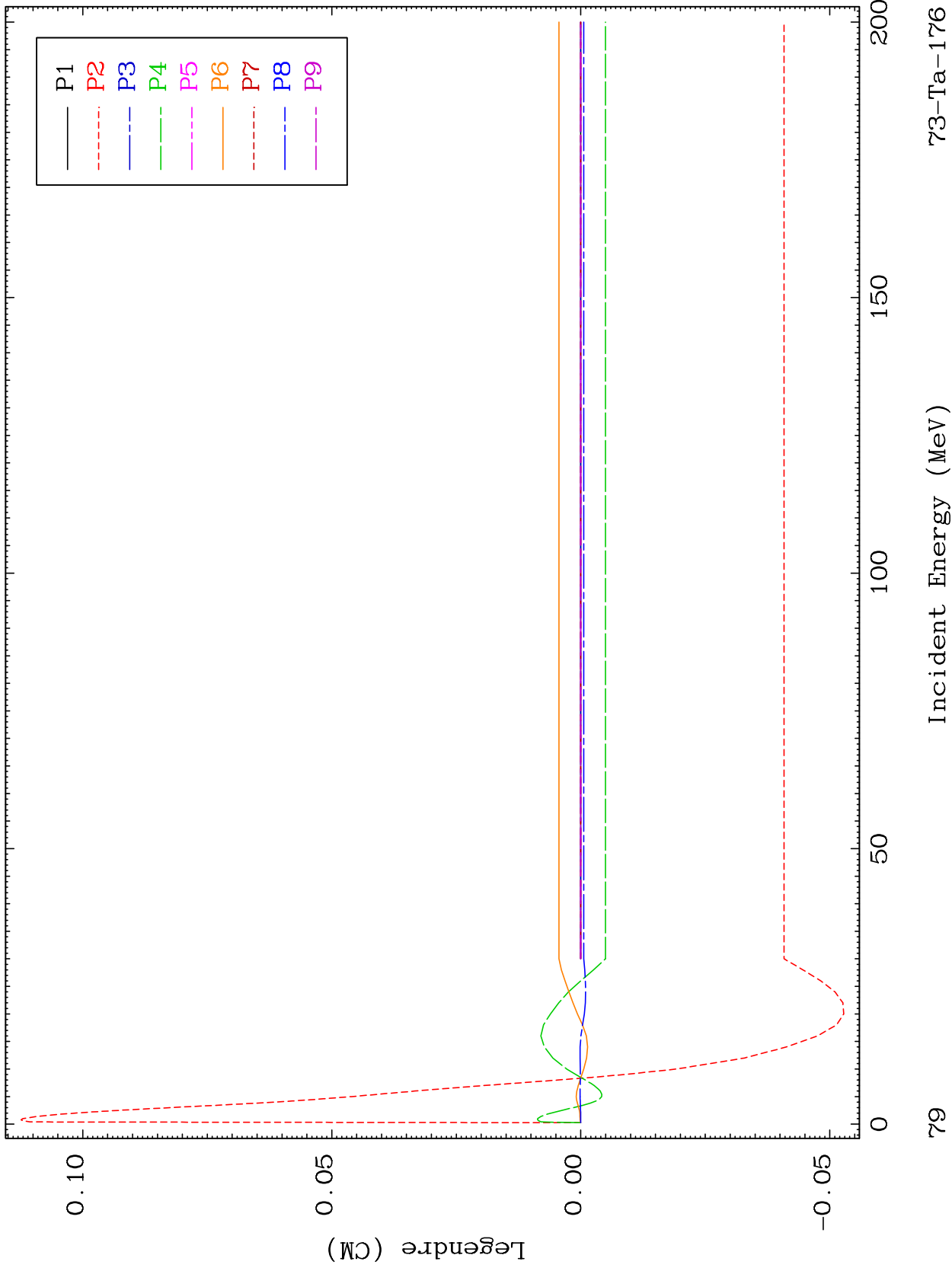




MAT 7313

252.9 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



73-Ta-176

Incident Energy (MeV)

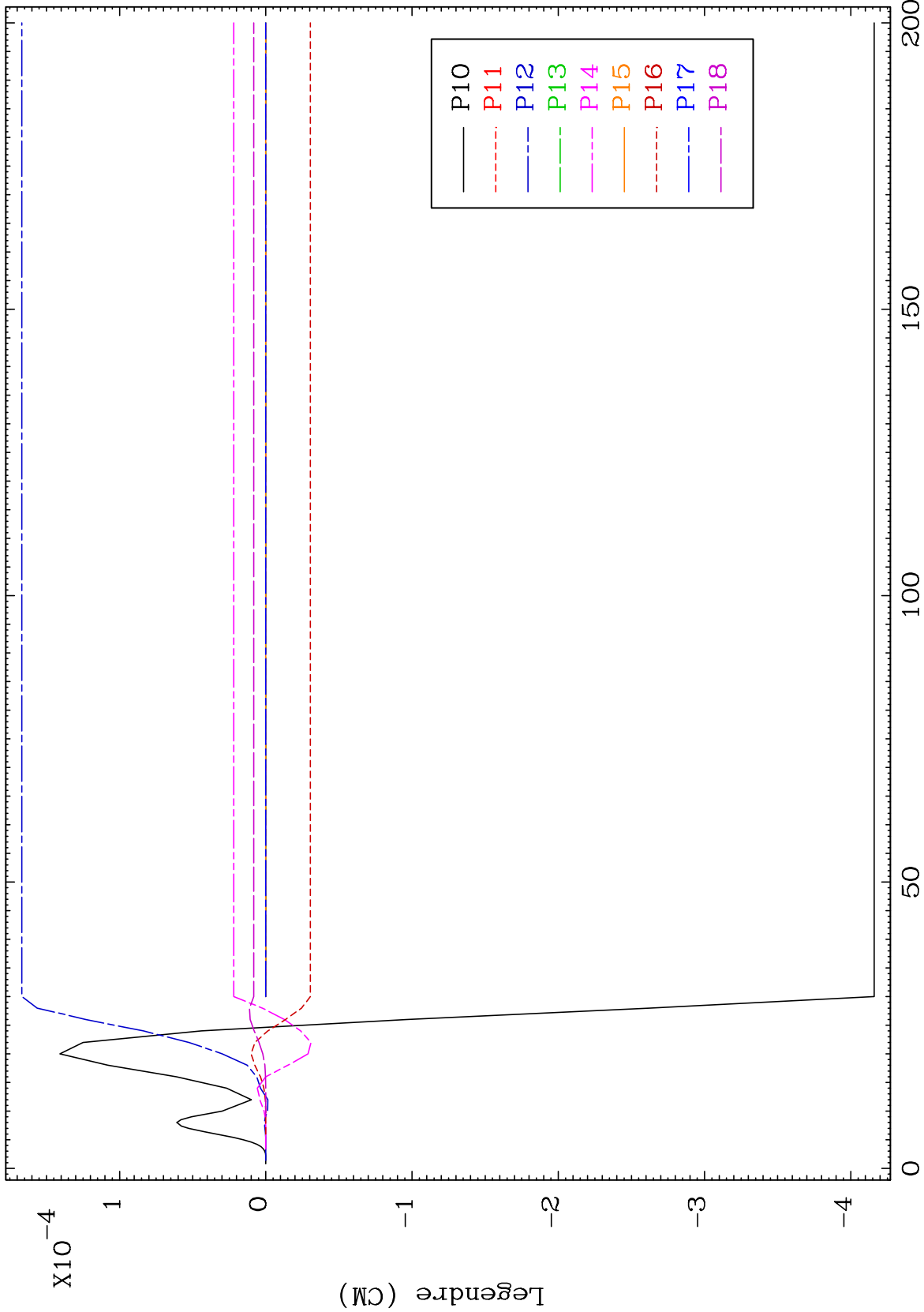
79



MAT 7313

252.9 keV (n,n') Level  
Legendre Coefficients

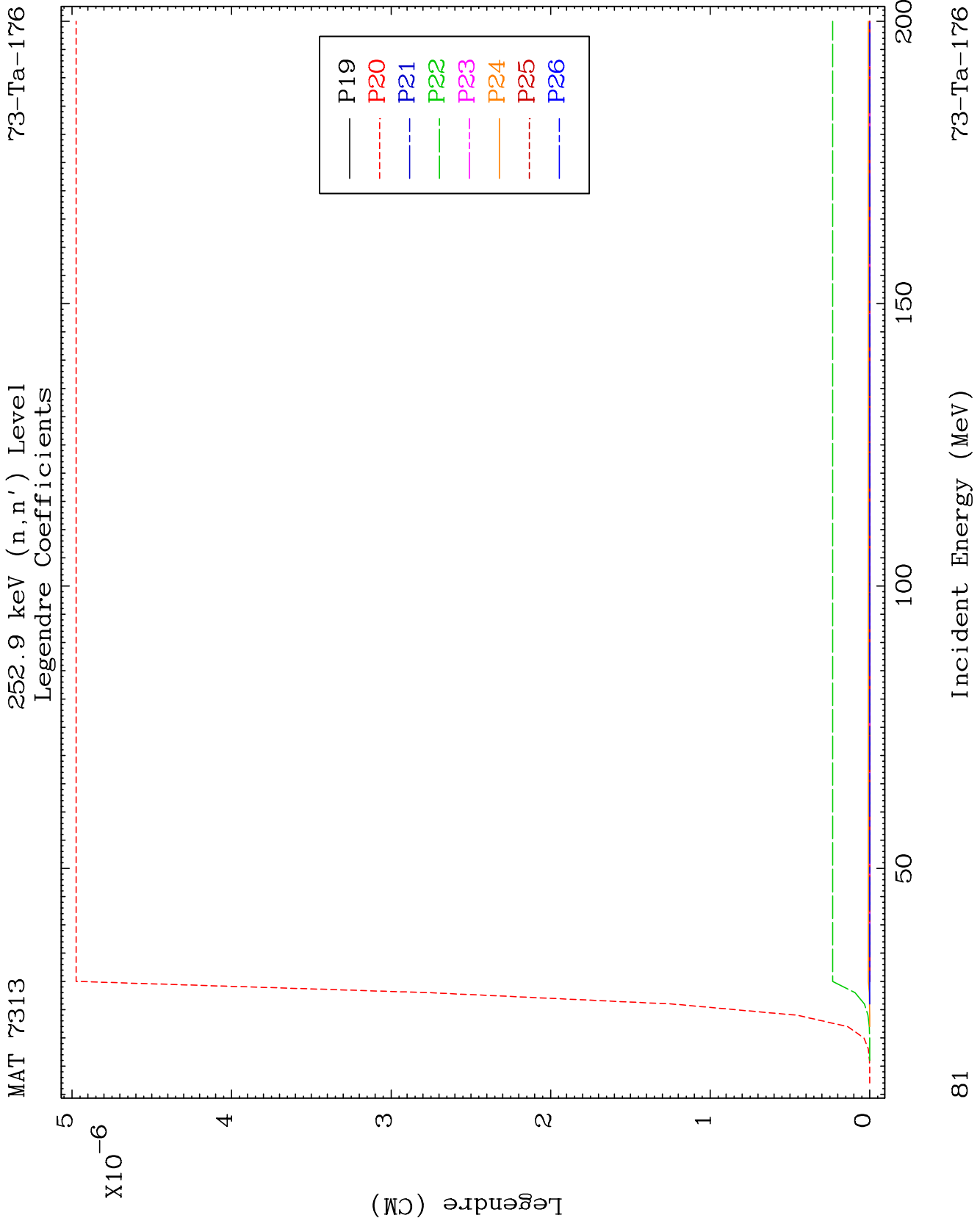
73-Ta-176



80

Incident Energy (MeV)

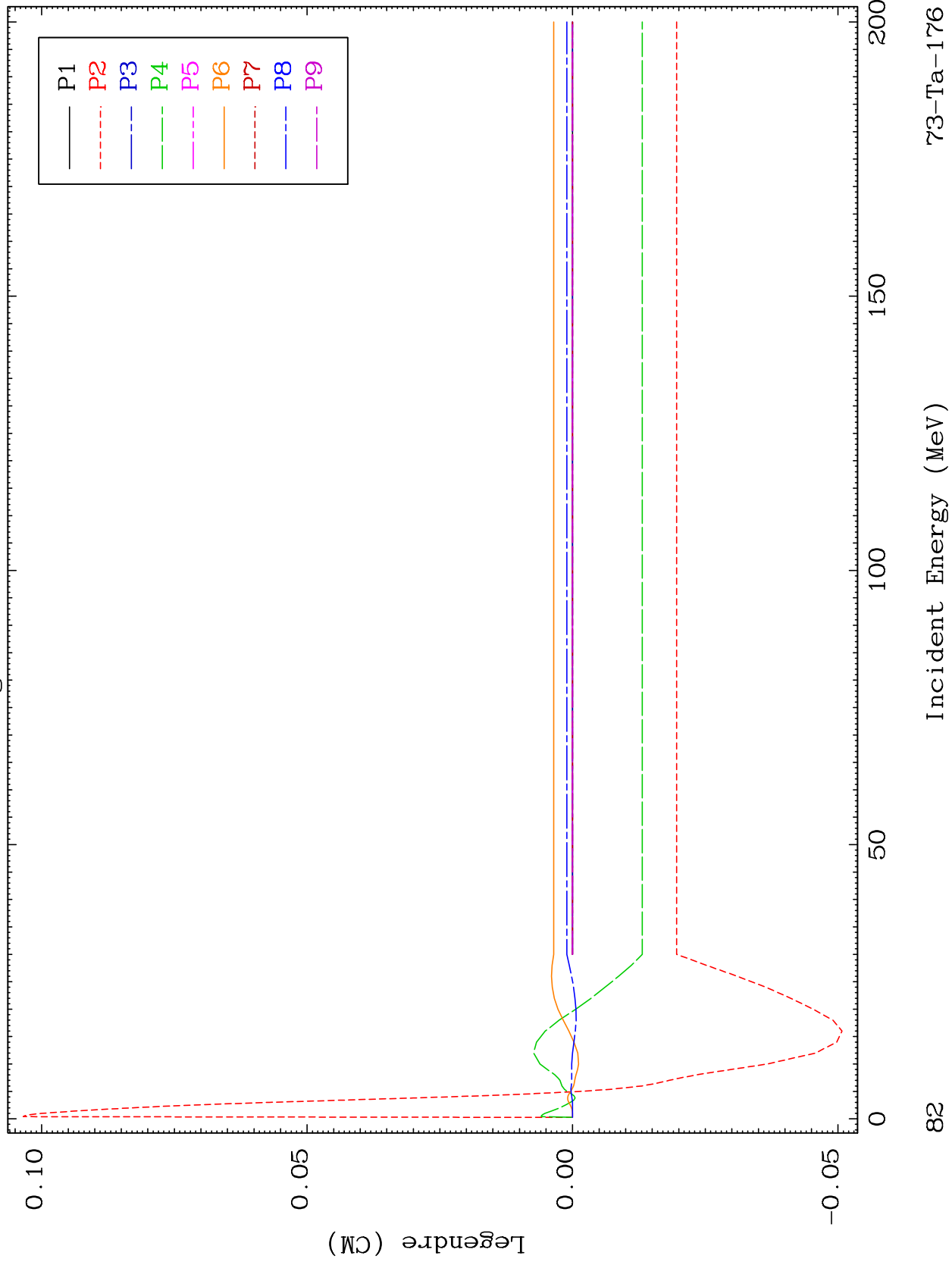
73-Ta-176



MAT 7313

254.8 keV (n,n') Level  
Legendre Coefficients

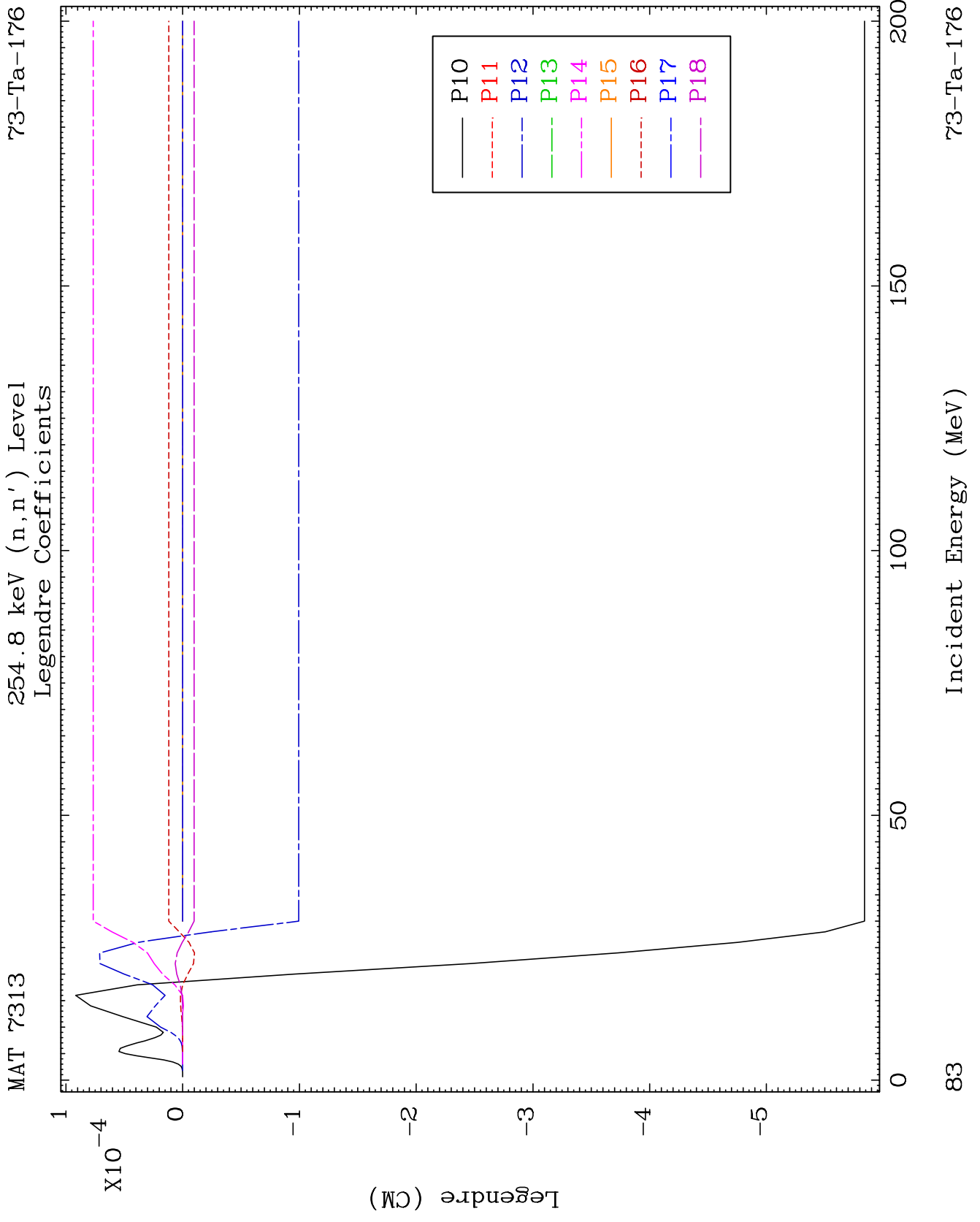
73-Ta-176

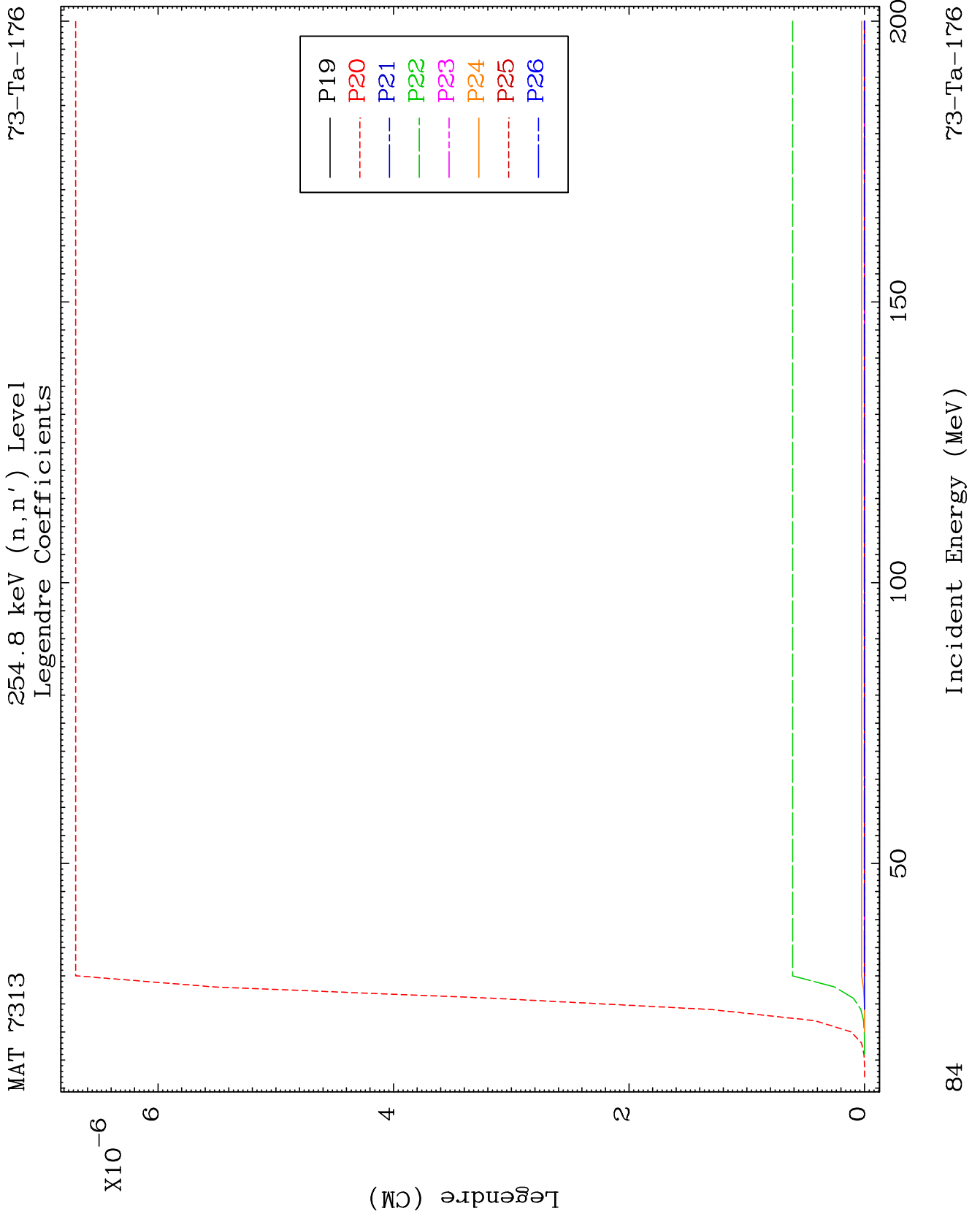


73-Ta-176

Incident Energy (MeV)

82

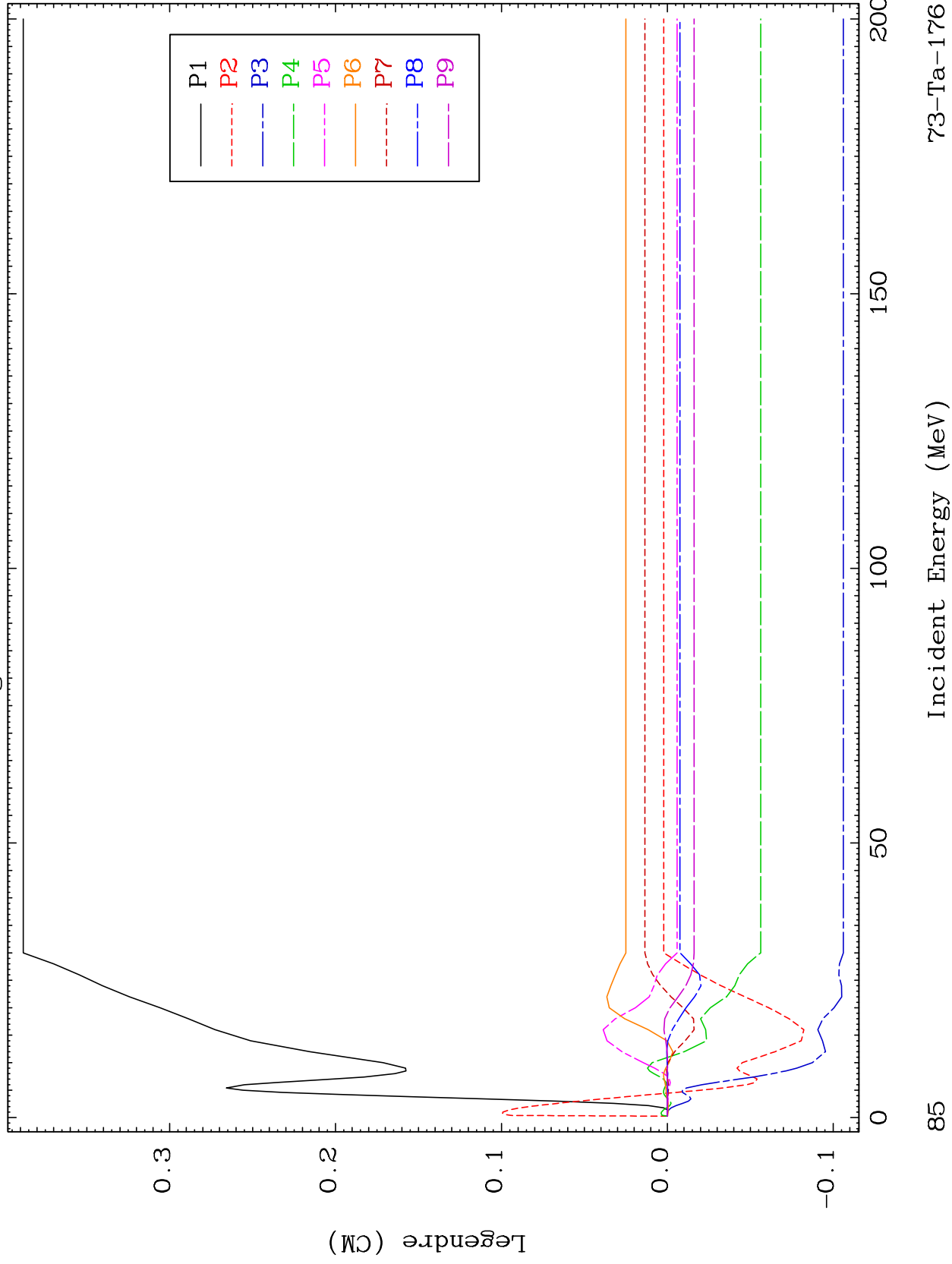




MAT 7313

257.5 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



73-Ta-176

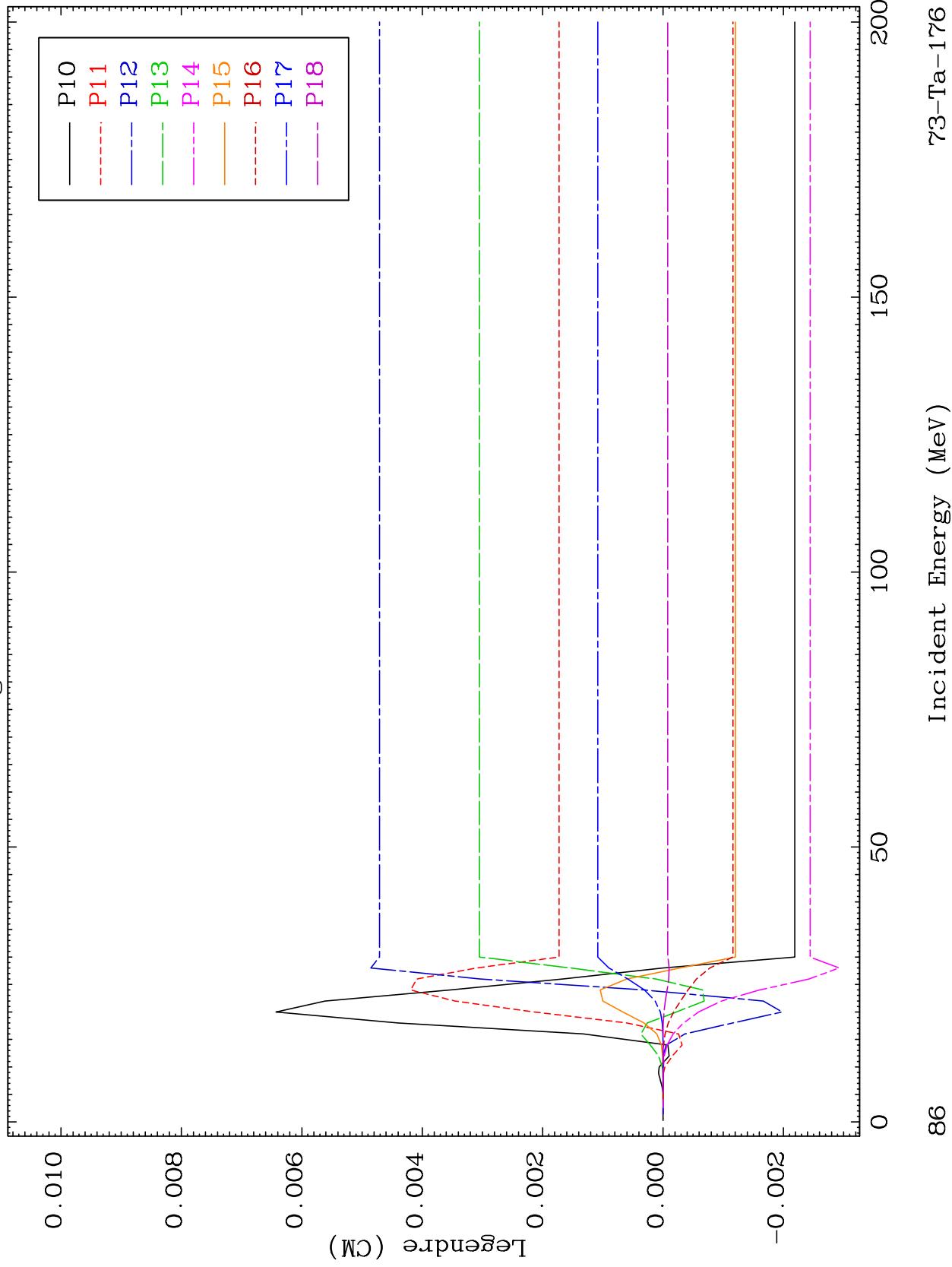
Incident Energy (MeV)

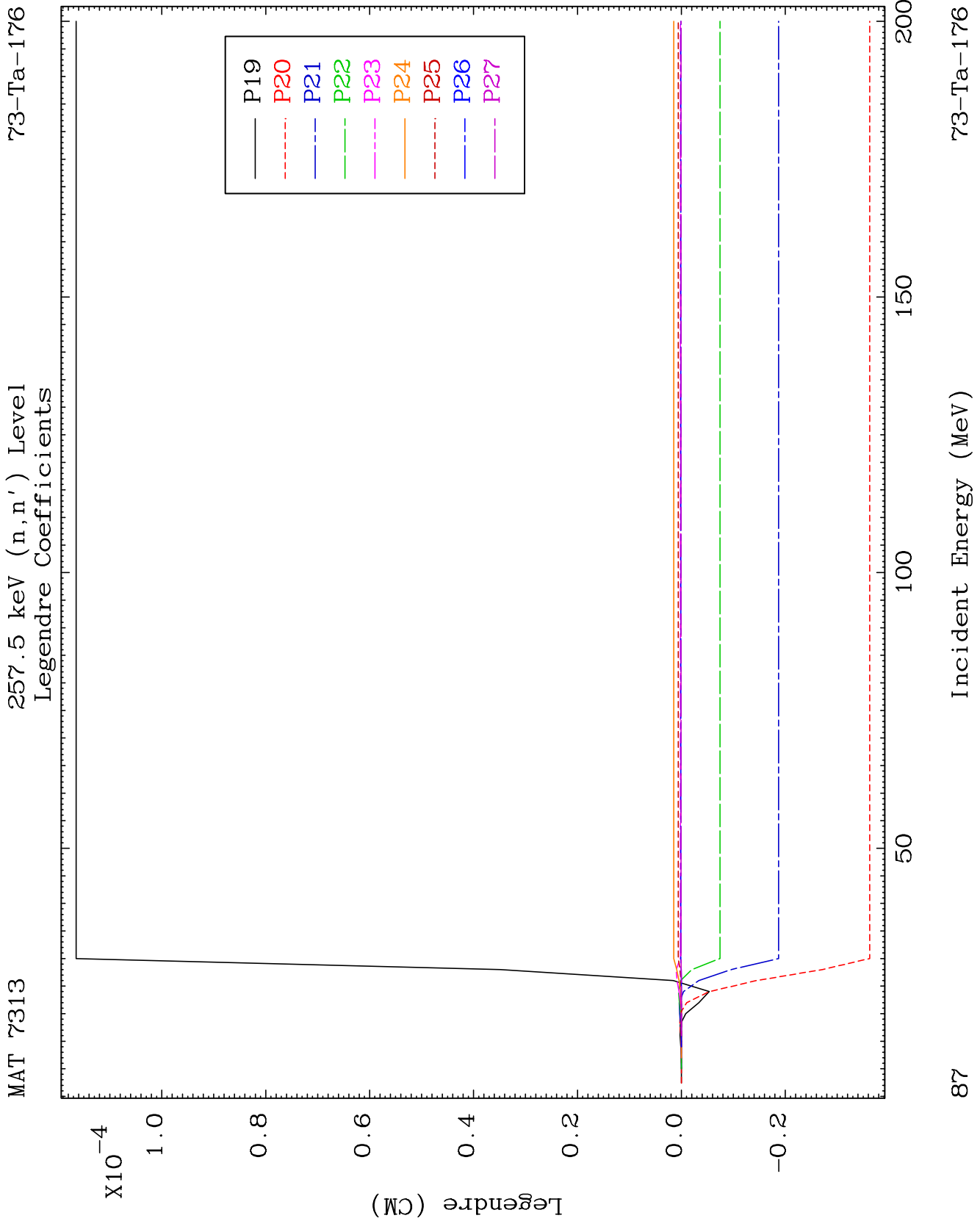
85

MAT 7313

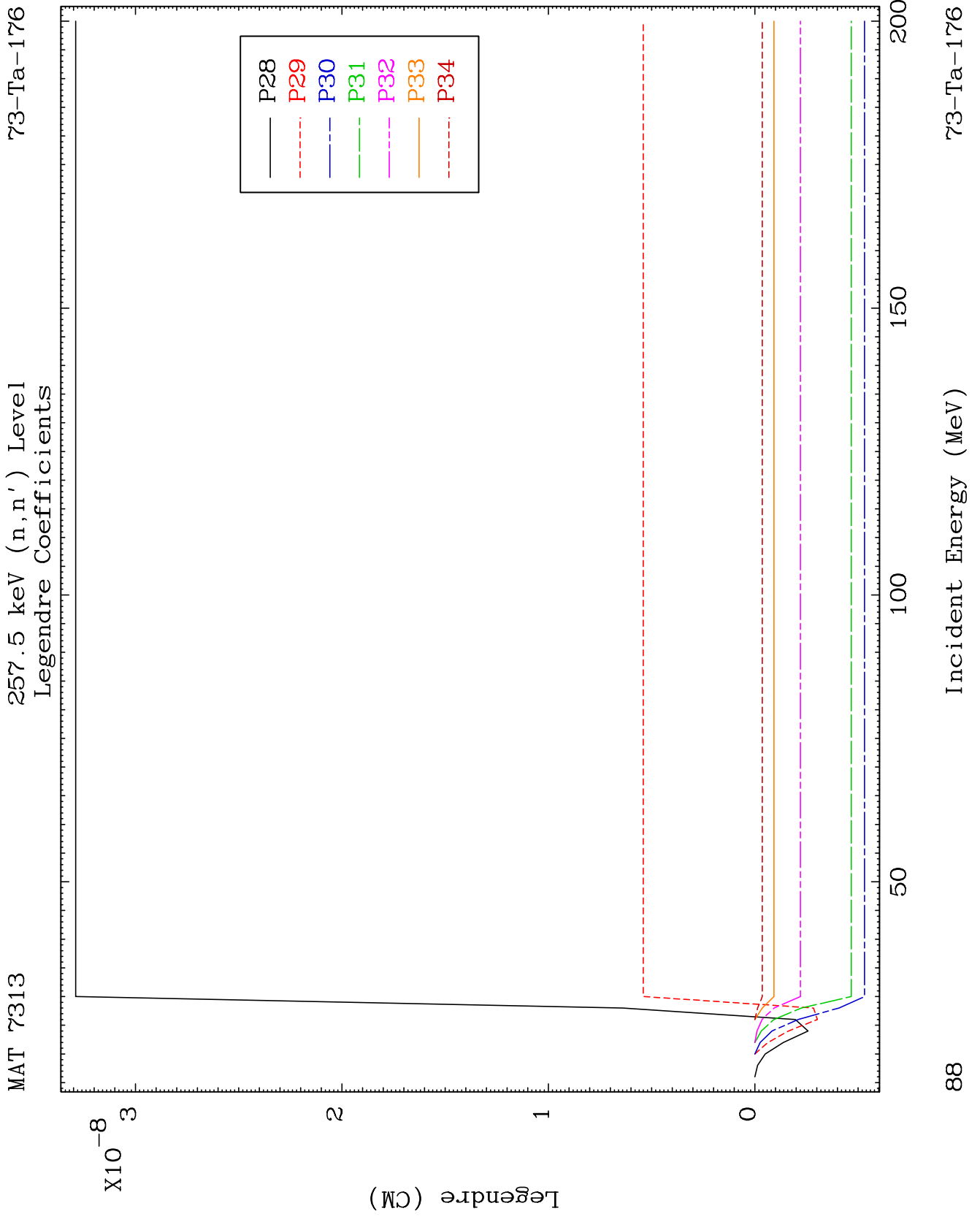
257.5 keV (n,n') Level  
Legendre Coefficients

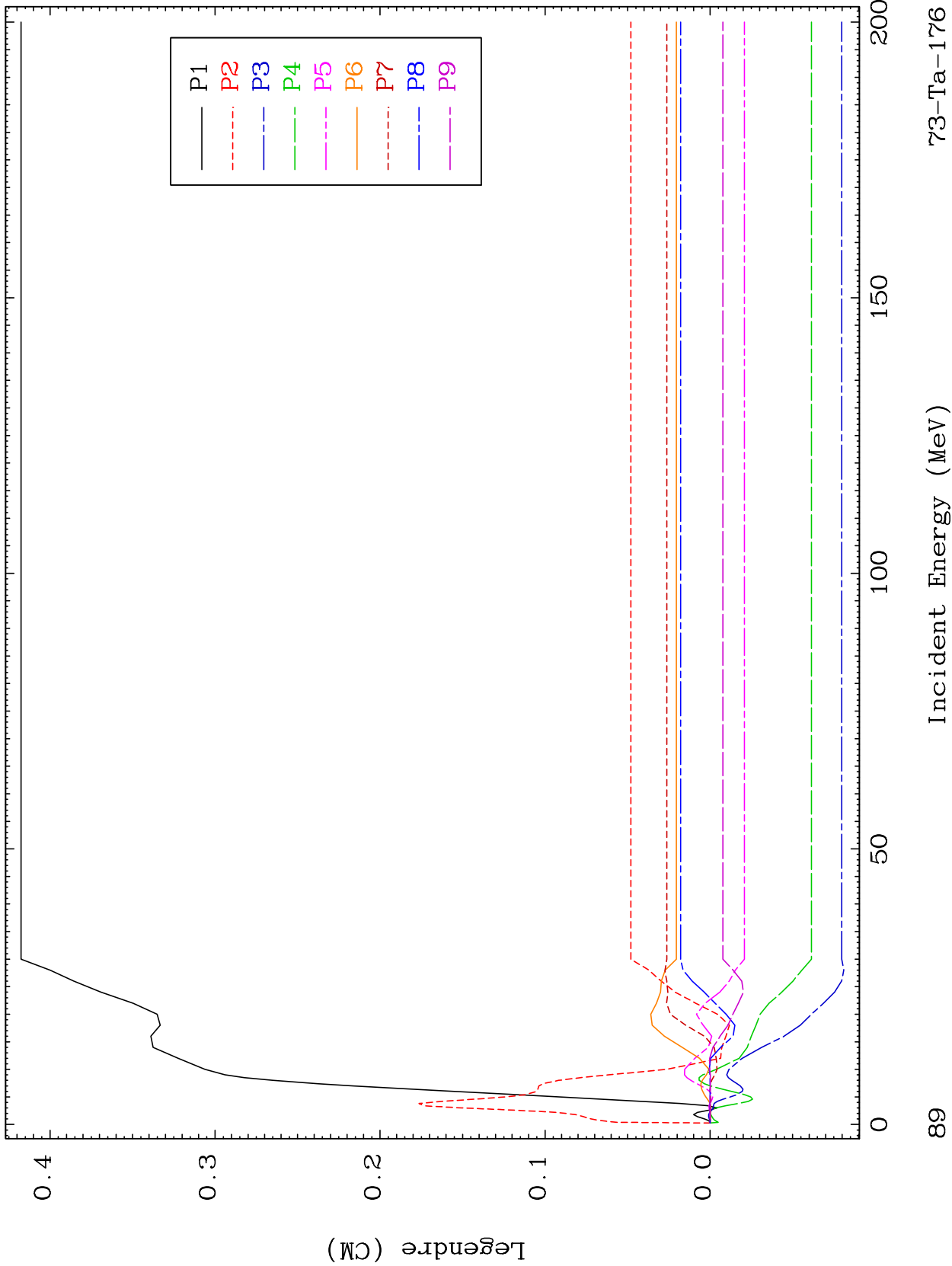
73-Ta-176







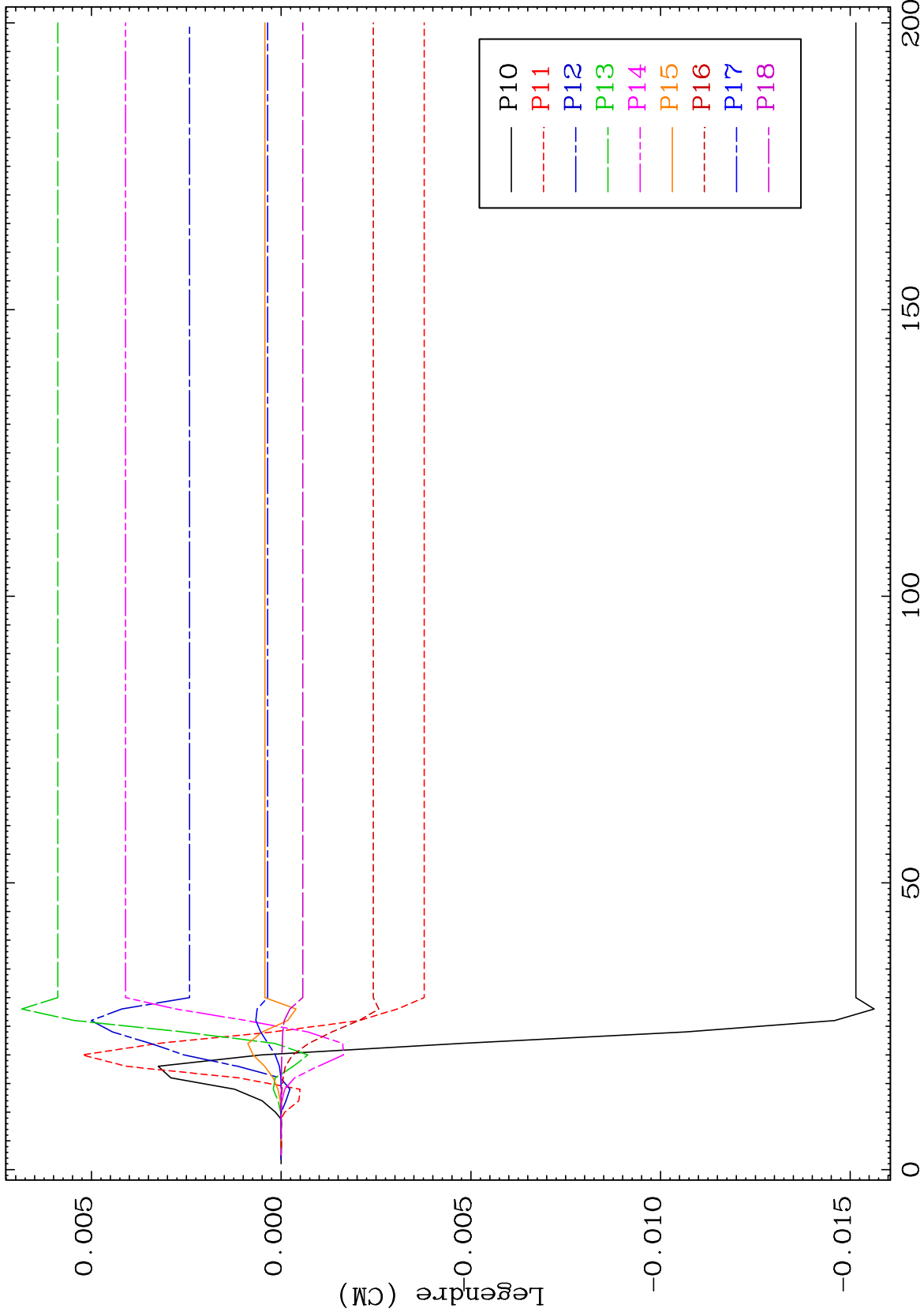




MAT 7313

262.1 keV (n,n') Level  
Legendre Coefficients

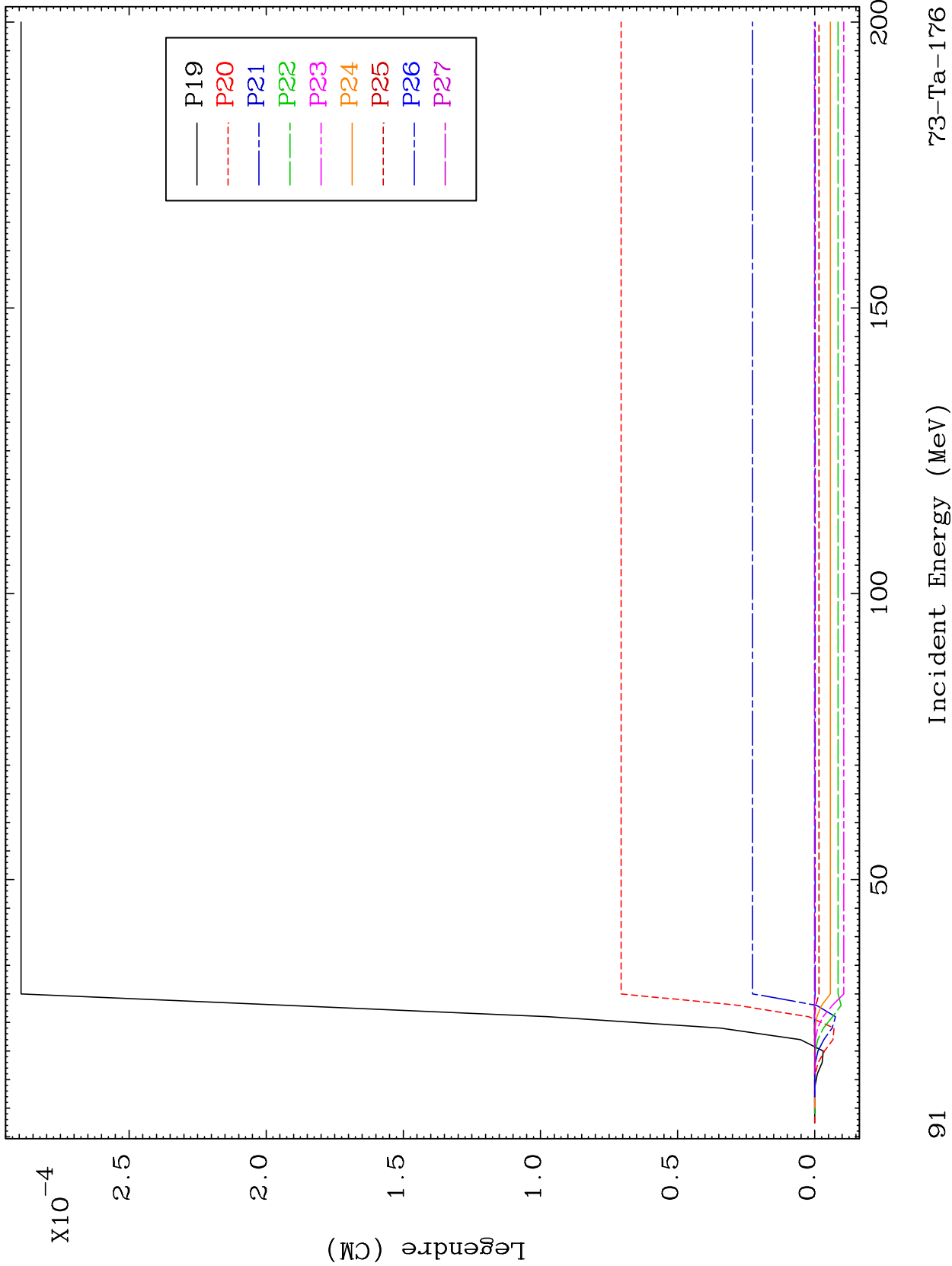
73-Ta-176



73-Ta-176

Incident Energy (MeV)

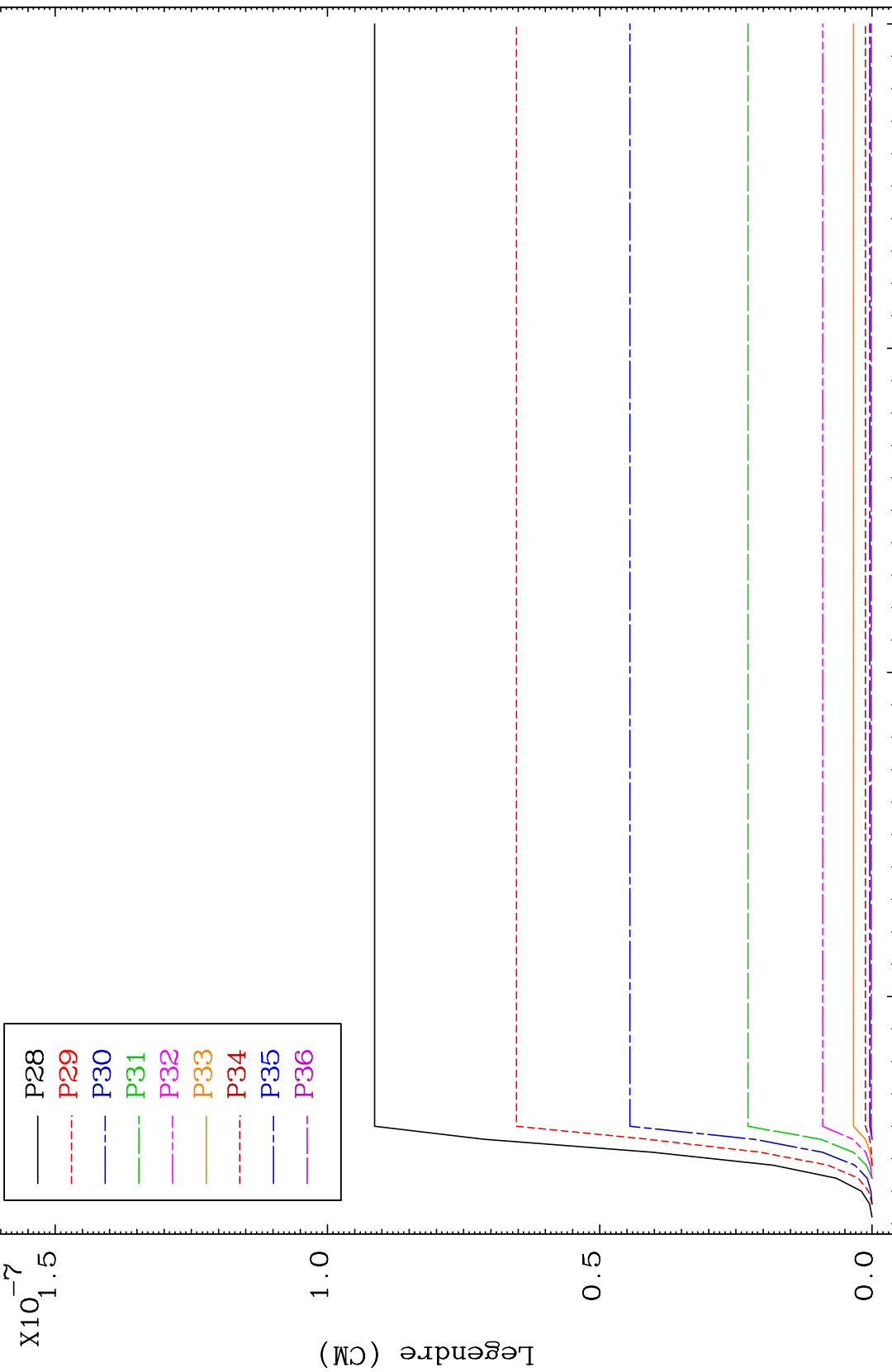
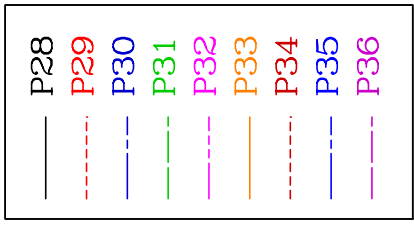
90



MAT 7313

262.1 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



92

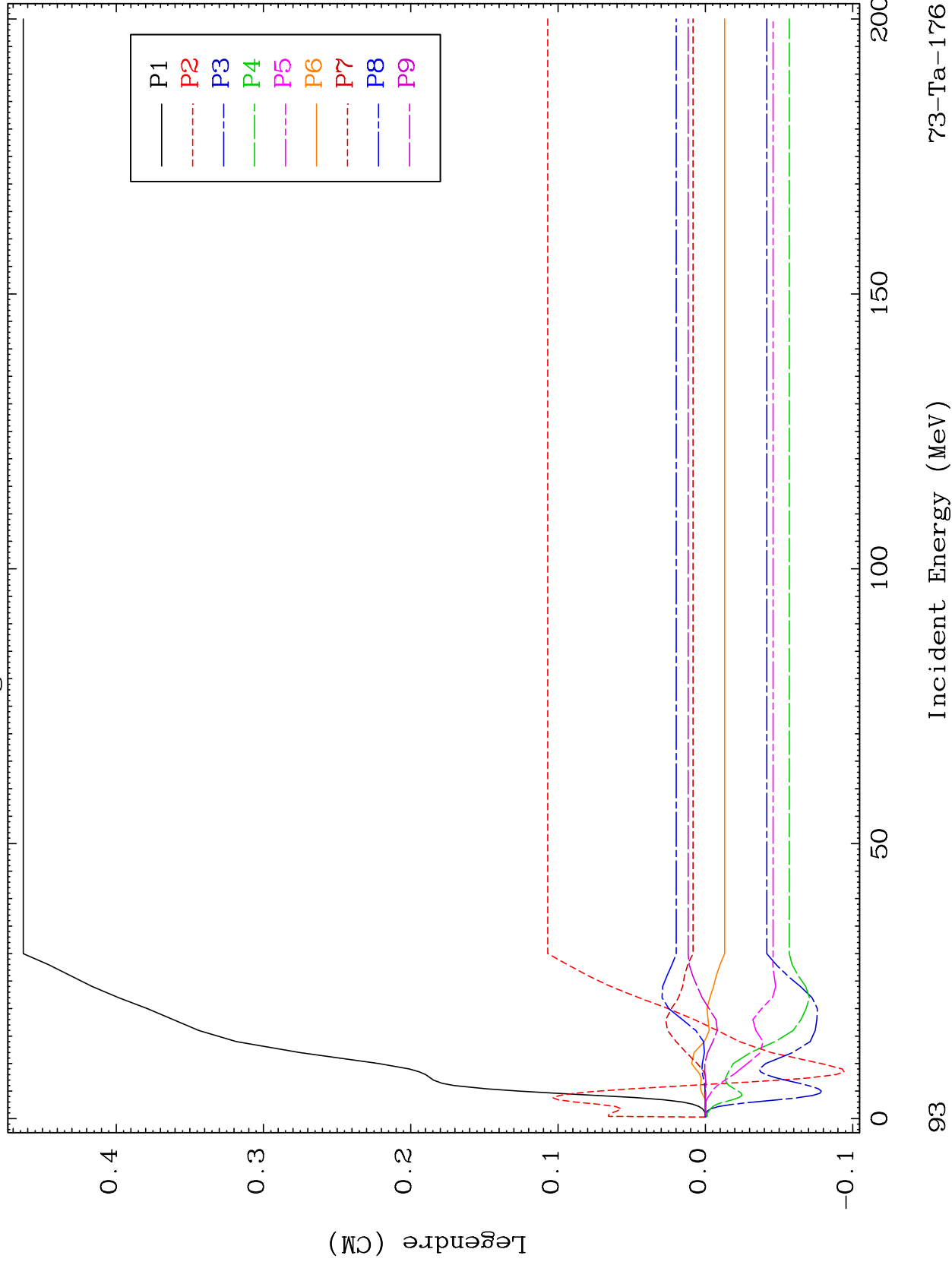
Incident Energy (MeV)

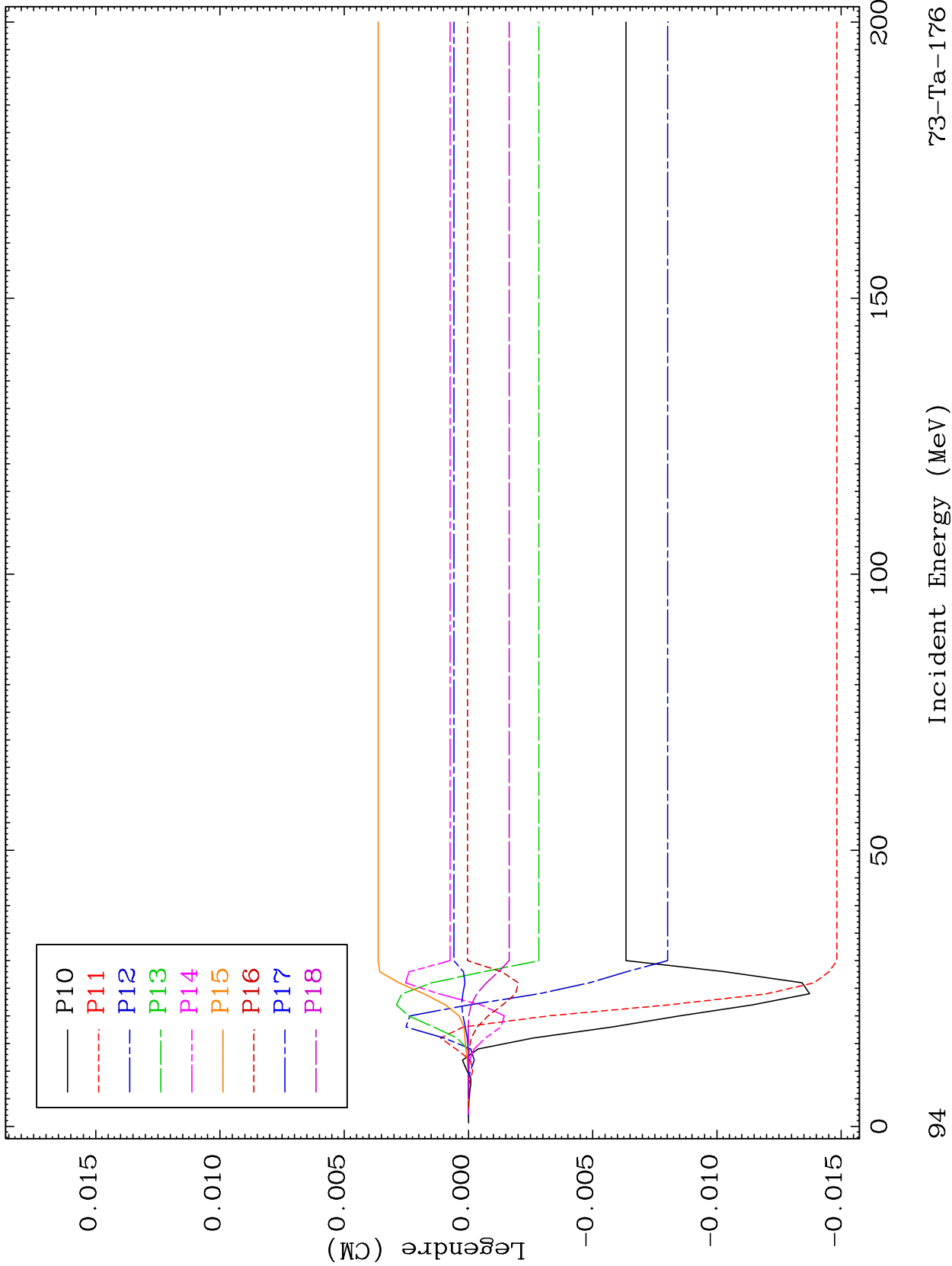
73-Ta-176

MAT 7313

263.5 keV (n,n') Level  
Legendre Coefficients

73-Ta-176

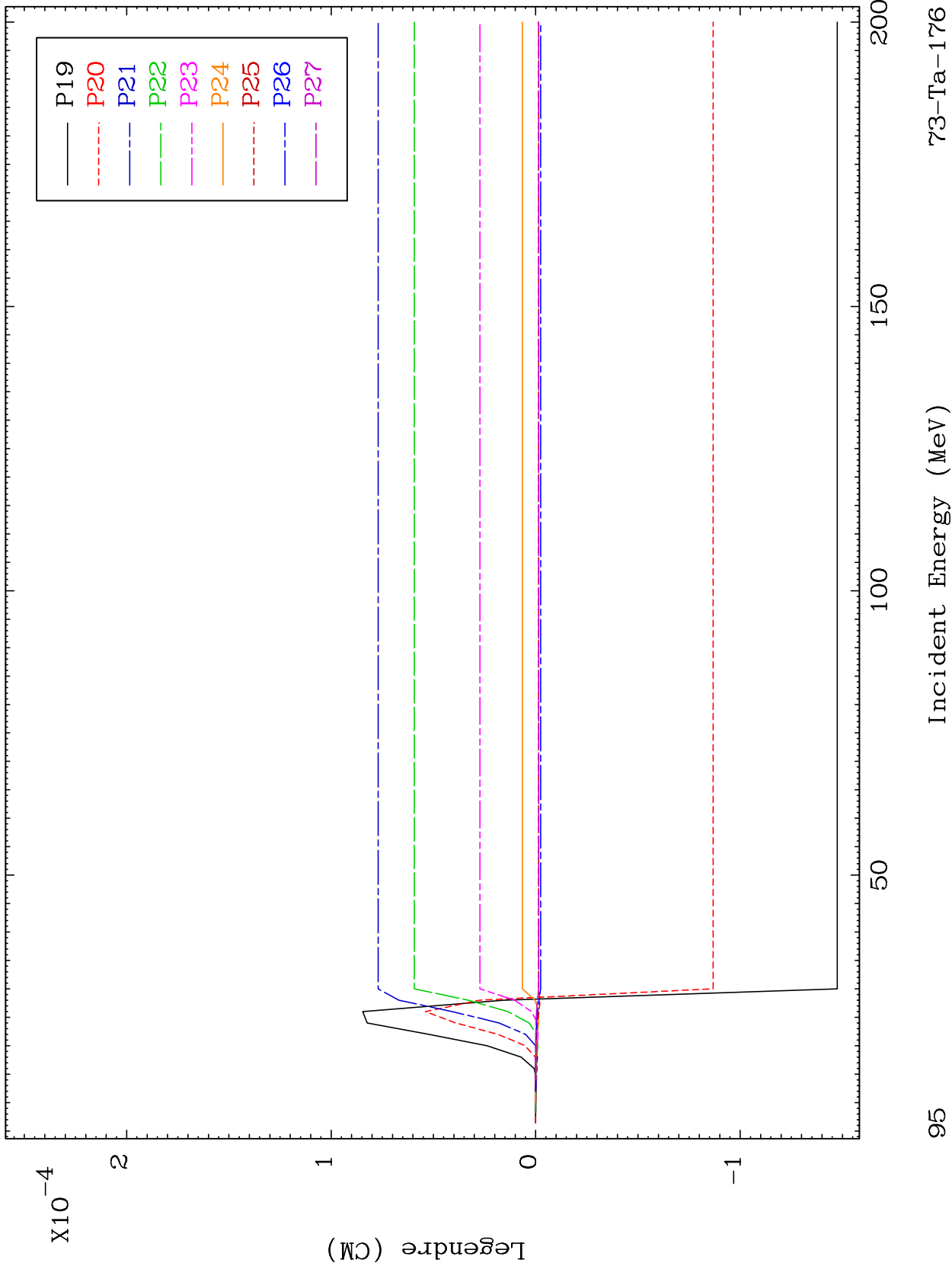




MAT 7313

263.5 keV (n,n') Level  
Legendre Coefficients

73-Ta-176

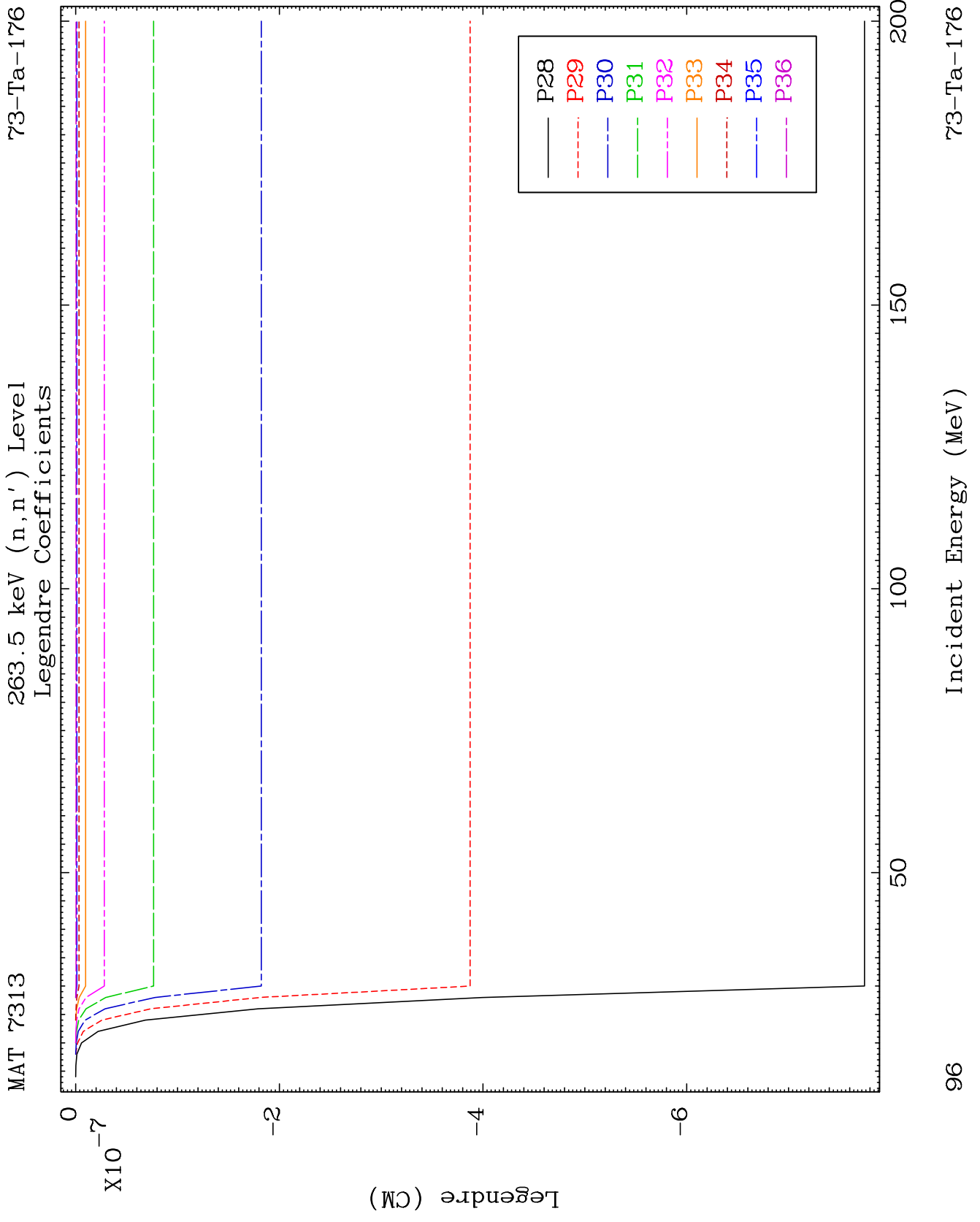


95

Incident Energy (MeV)

73-Ta-176

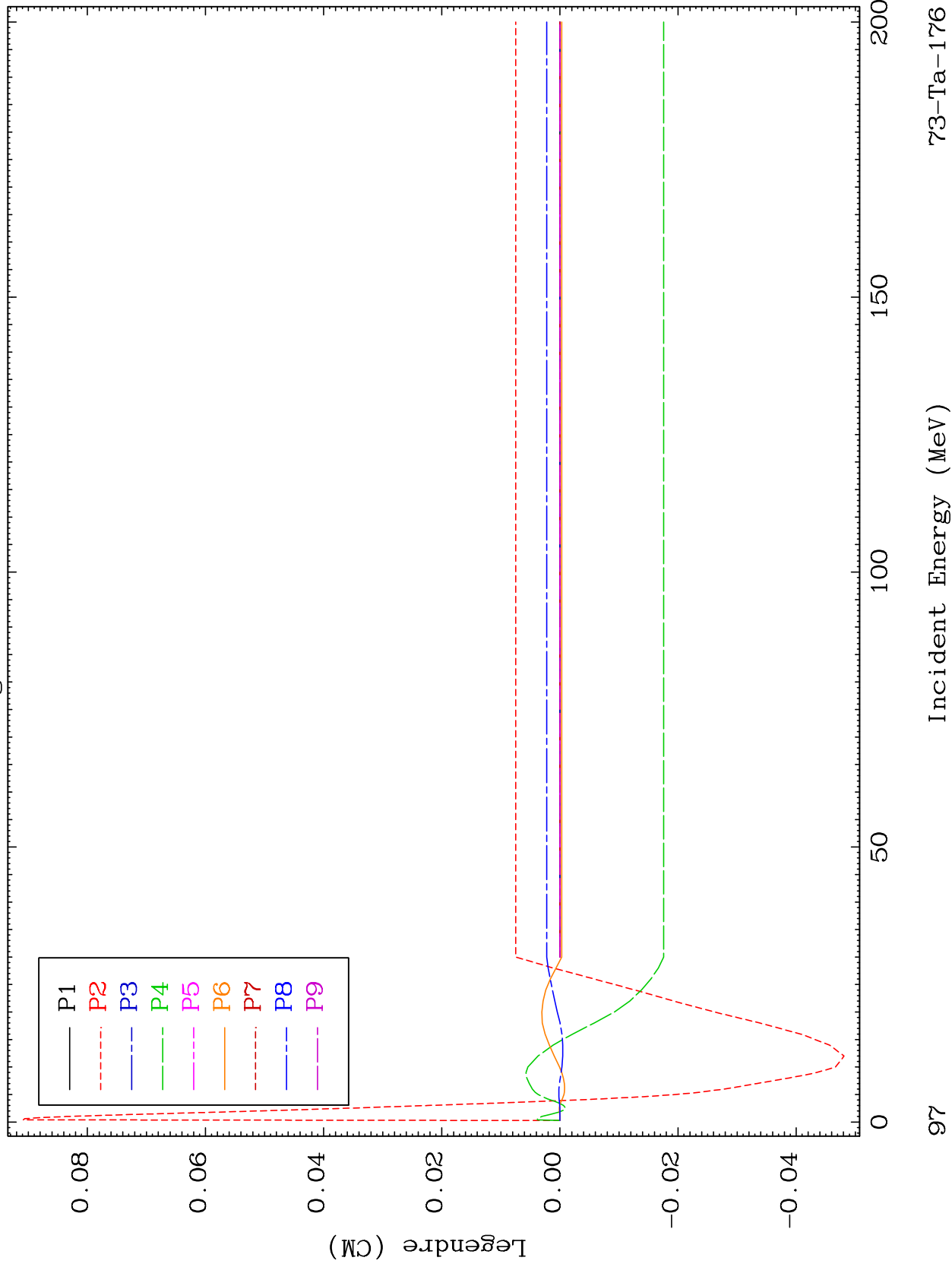




MAT 7313

265.6 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



73-Ta-176

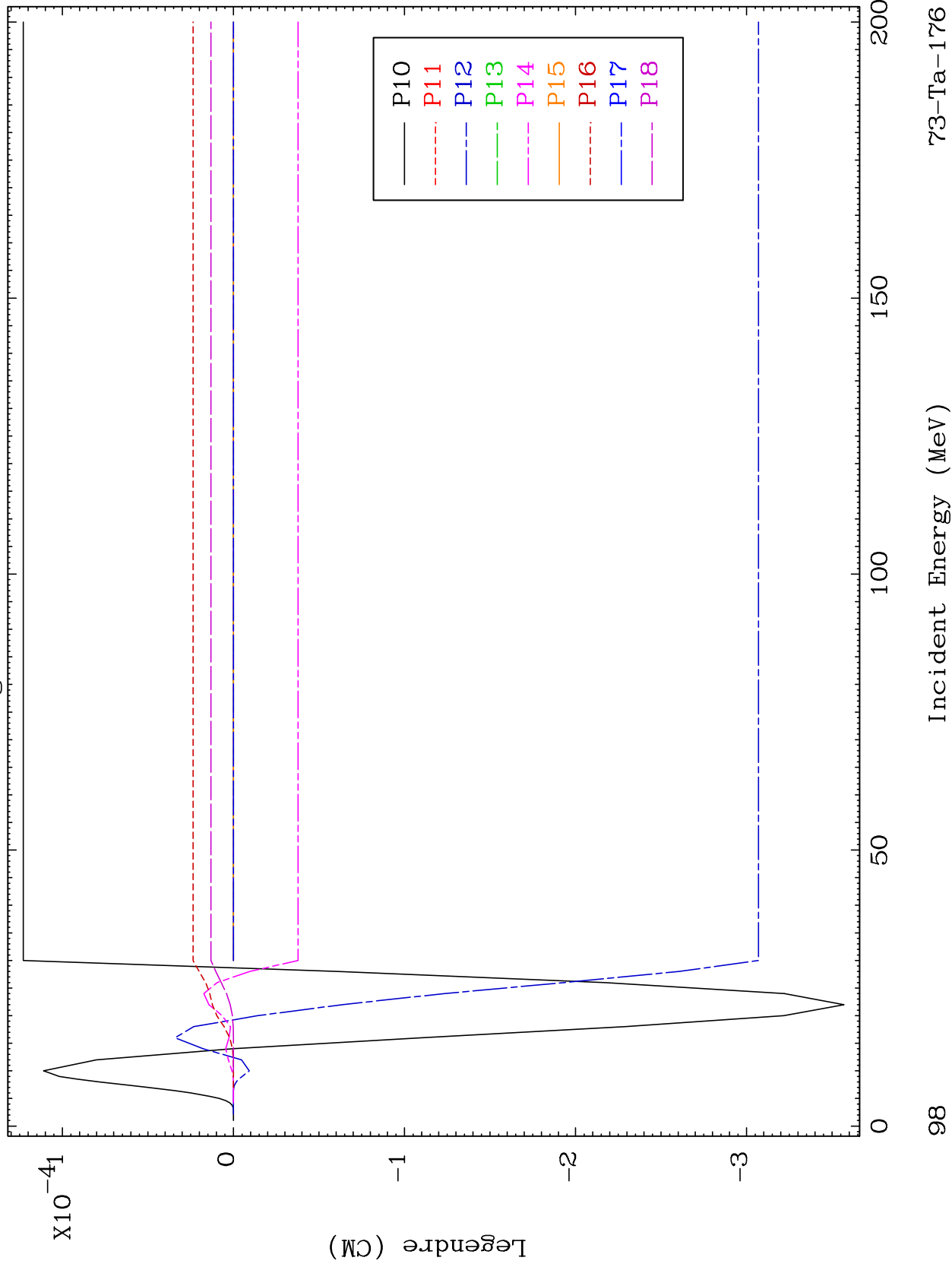
Incident Energy (MeV)

97

MAT 7313

265.6 keV (n,n') Level  
Legendre Coefficients

73-Ta-176

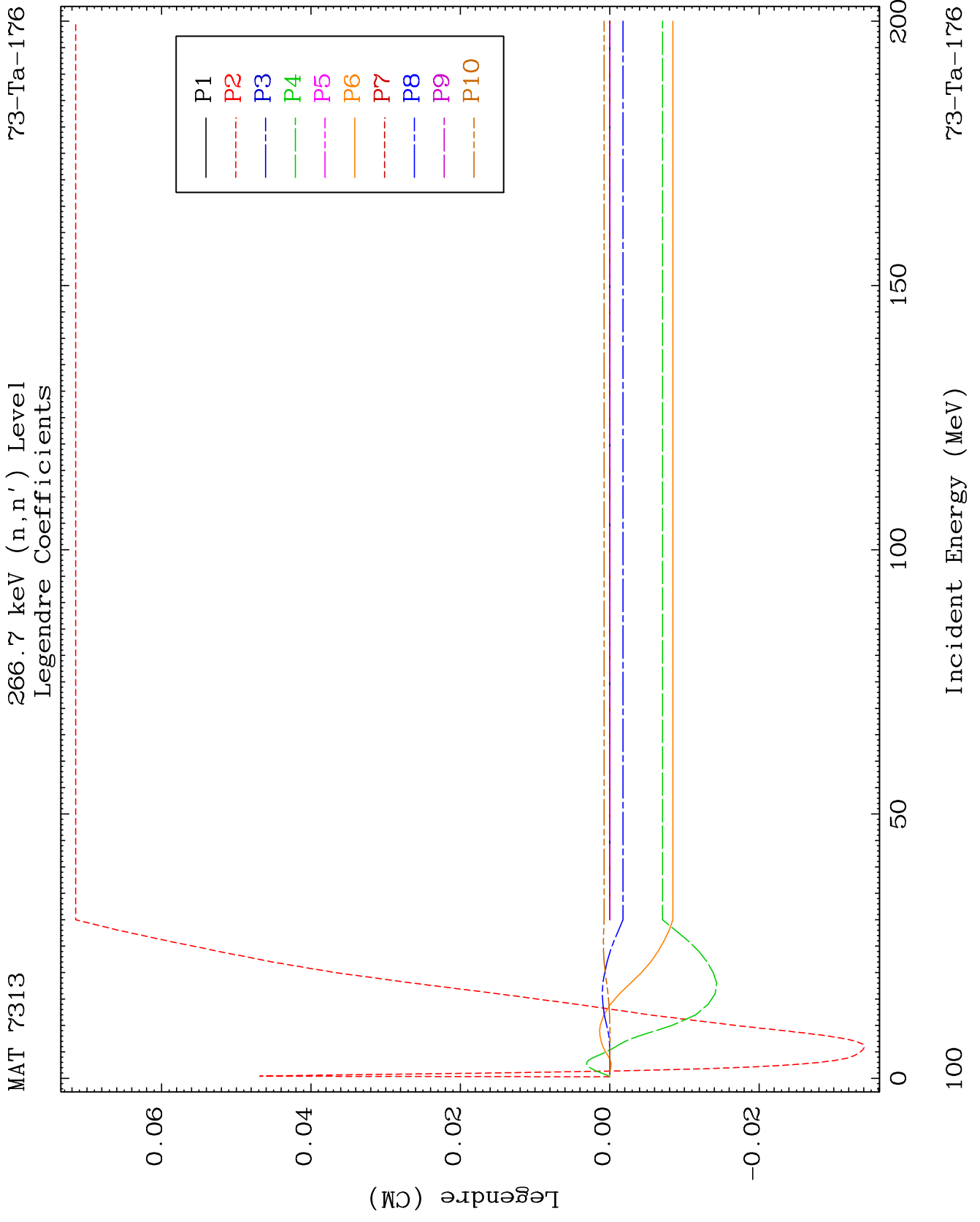


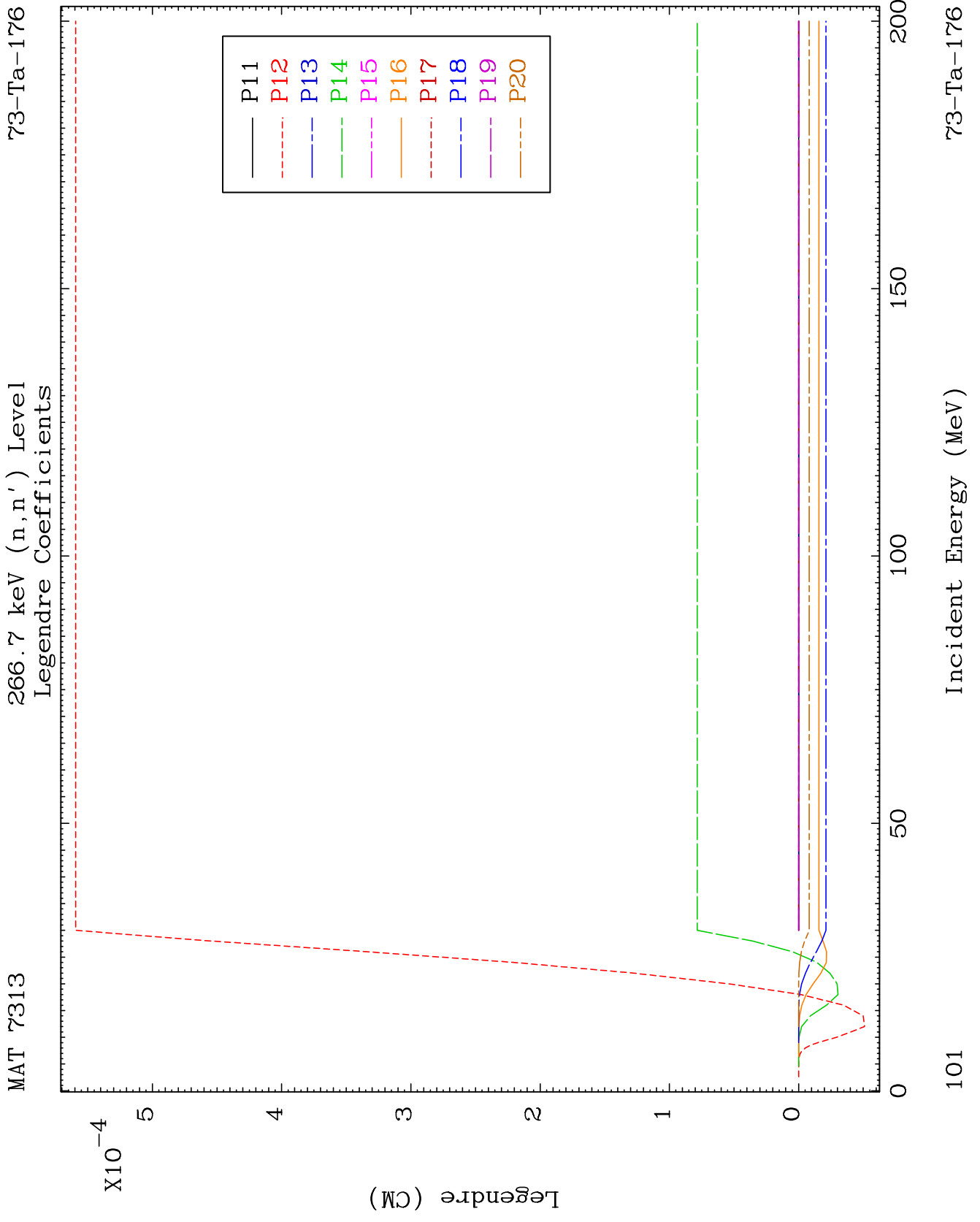
98

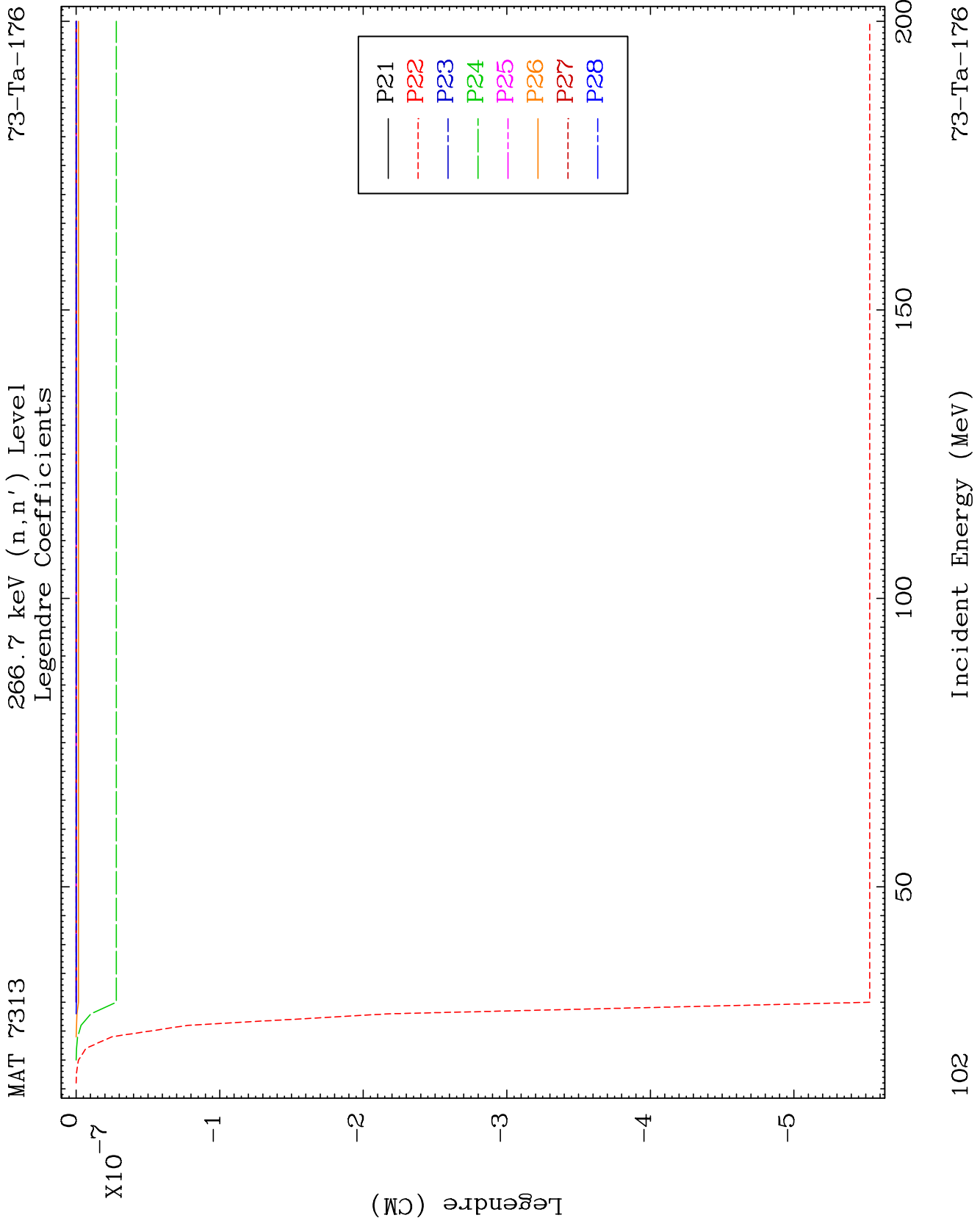
Incident Energy (MeV)

73-Ta-176





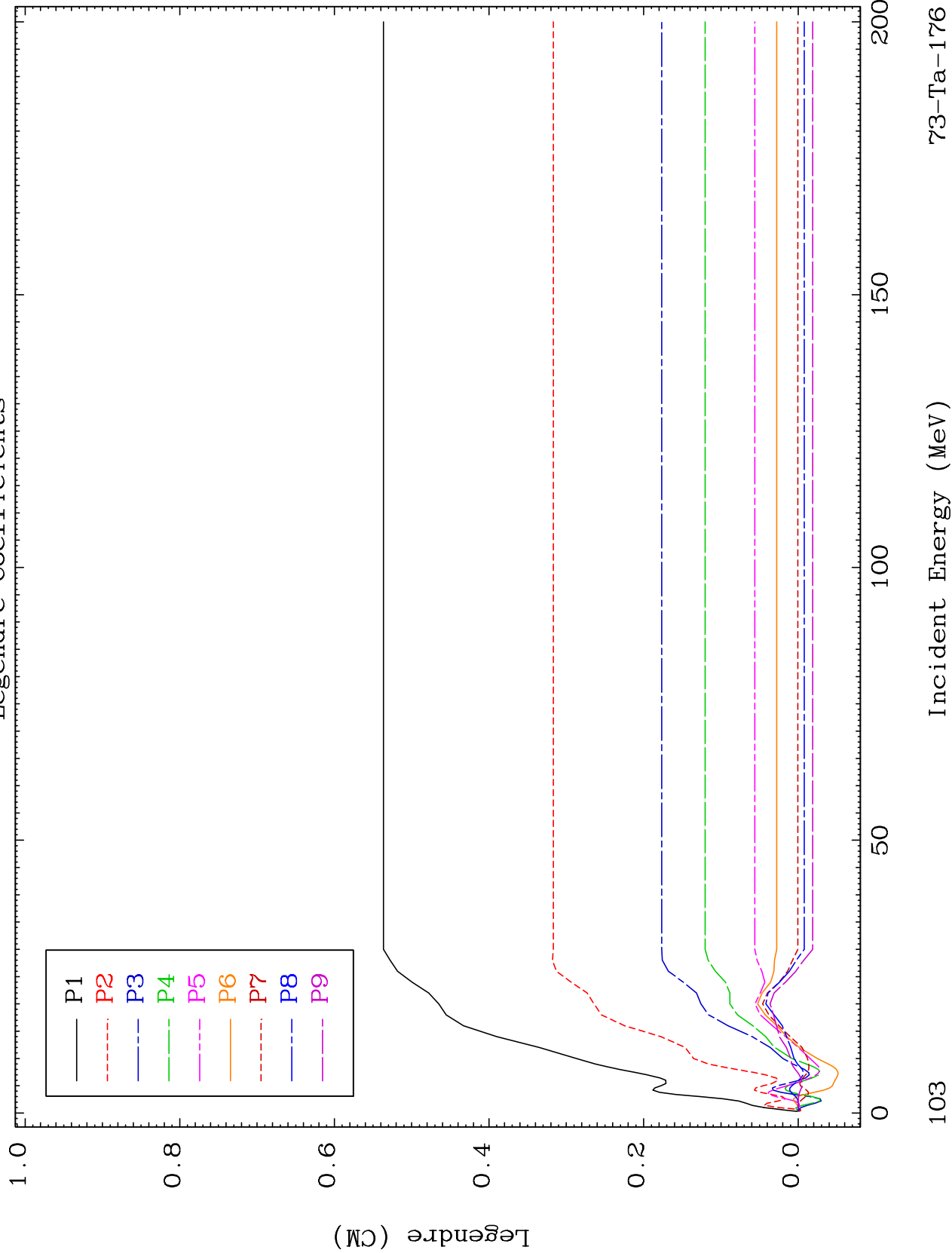




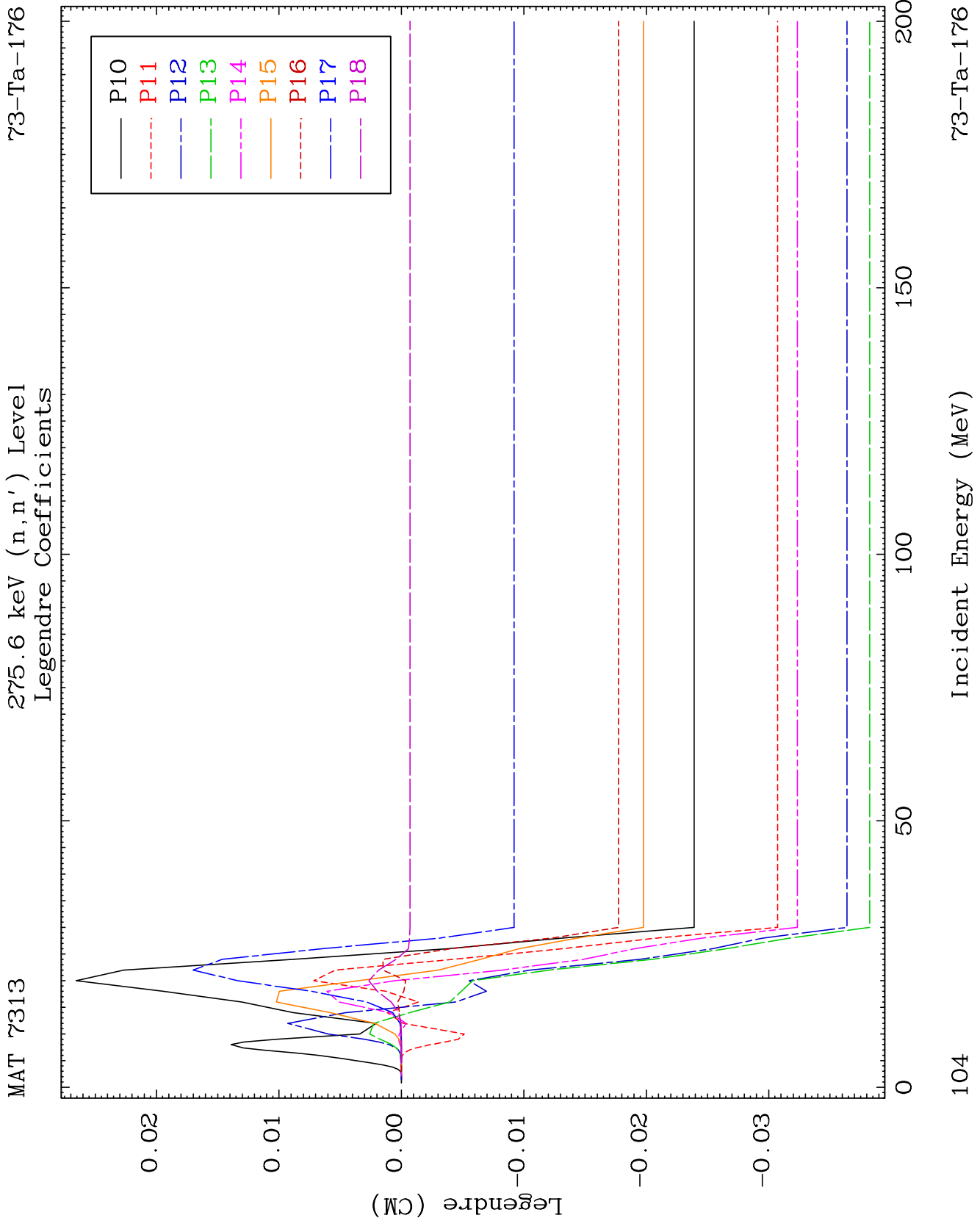
MAT 7313

275.6 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



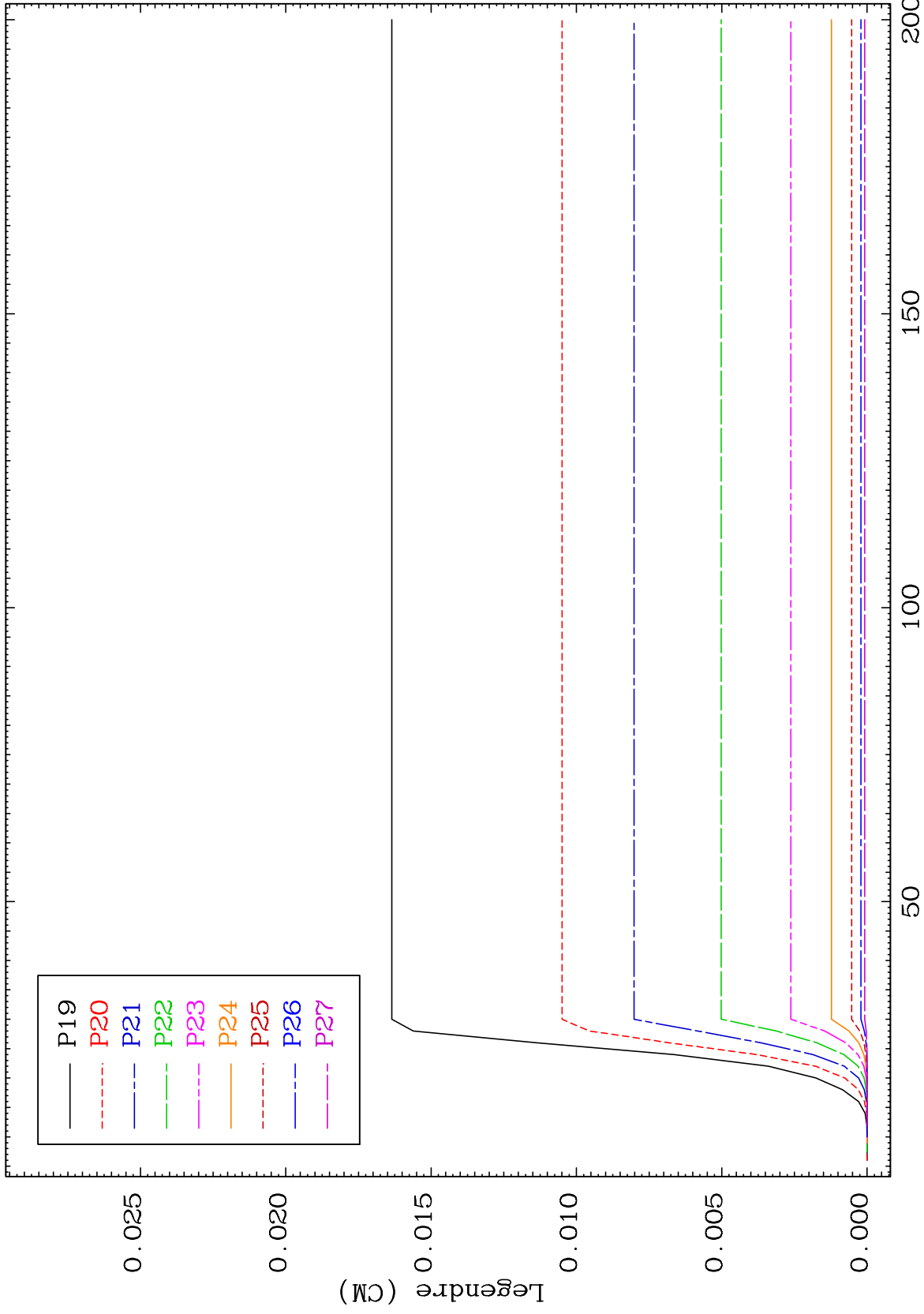




MAT 7313

275.6 keV (n,n') Level  
Legendre Coefficients

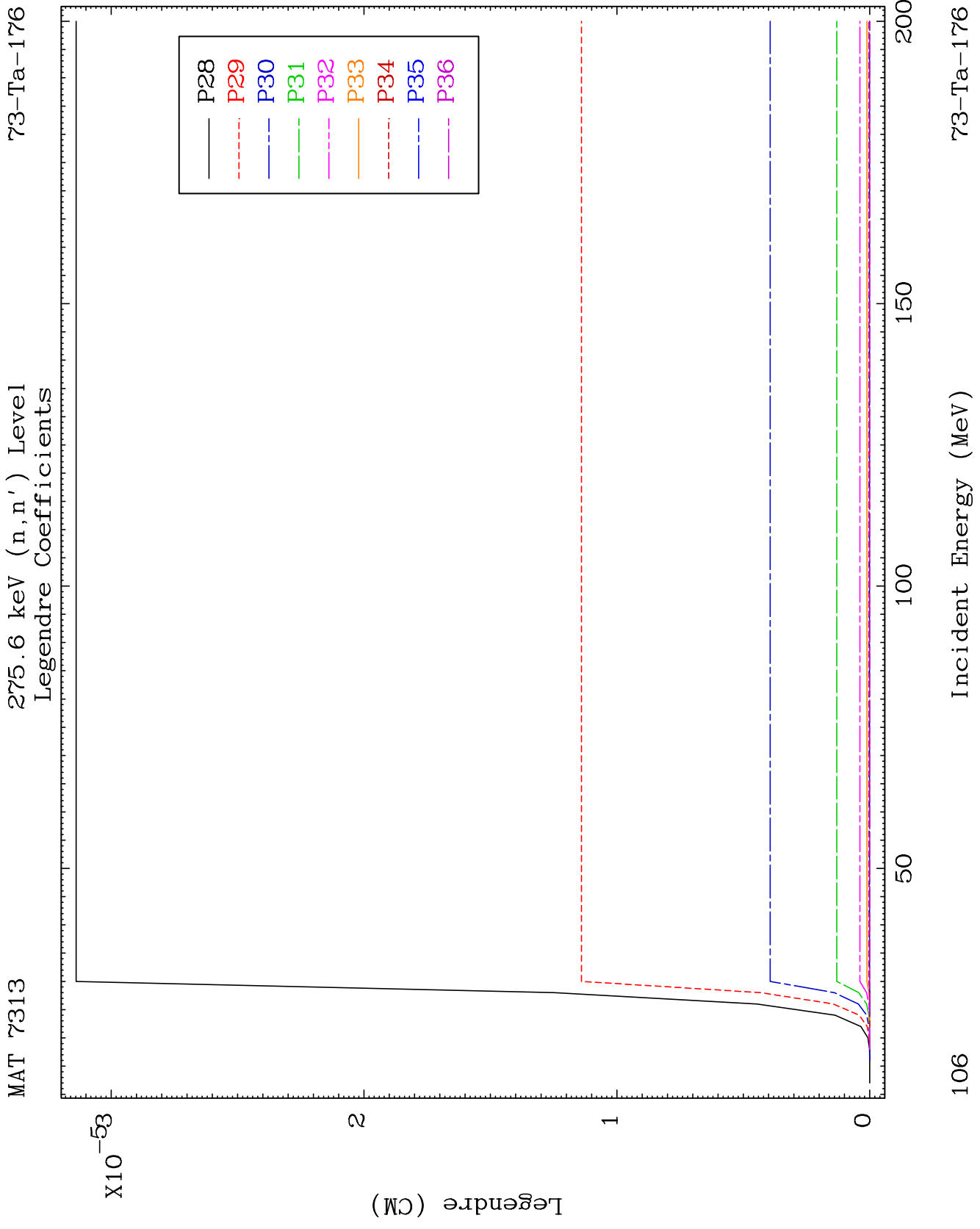
73-Ta-176



105

Incident Energy (MeV)

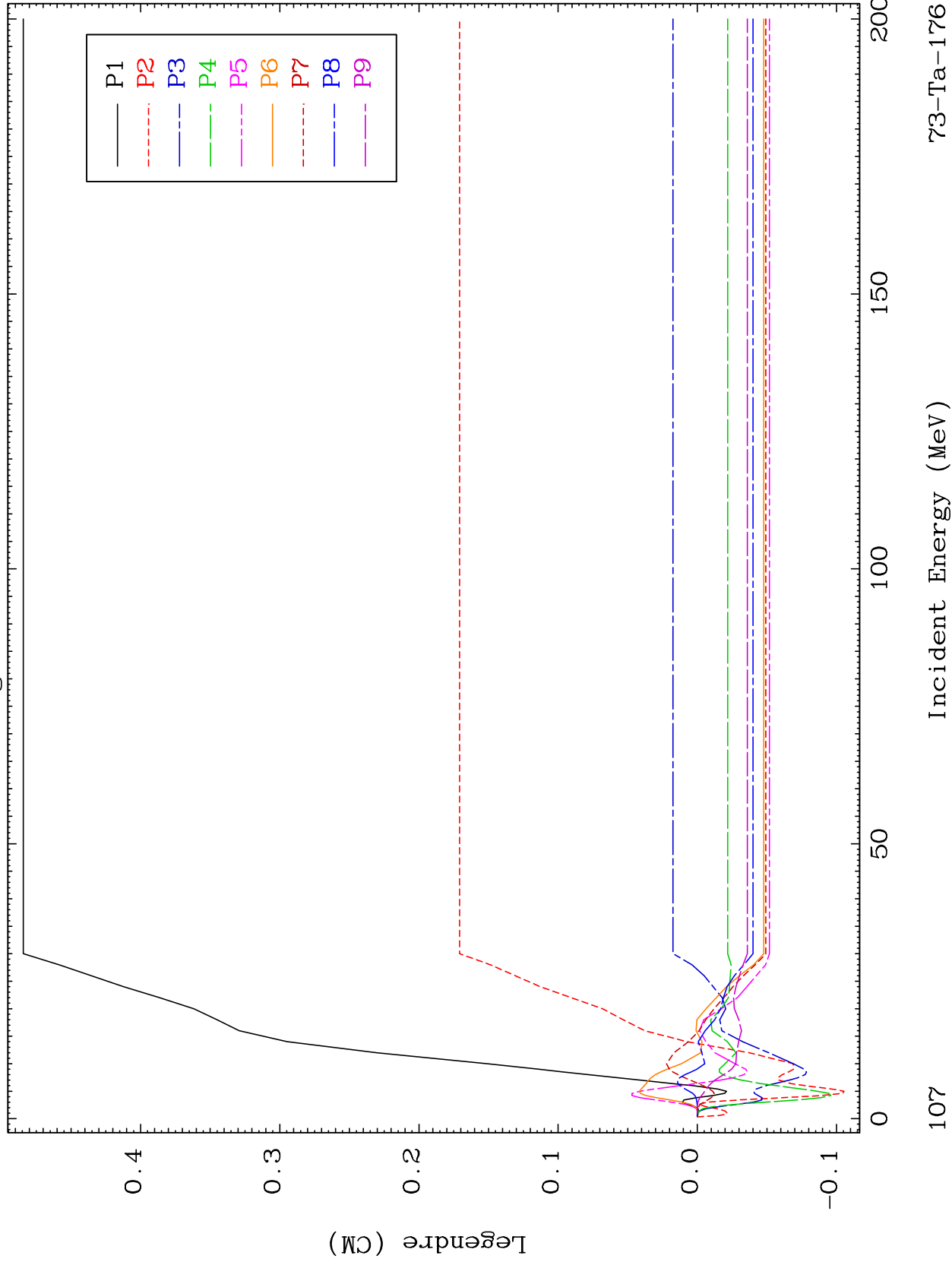
73-Ta-176



MAT 7313

289.0 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



73-Ta-176

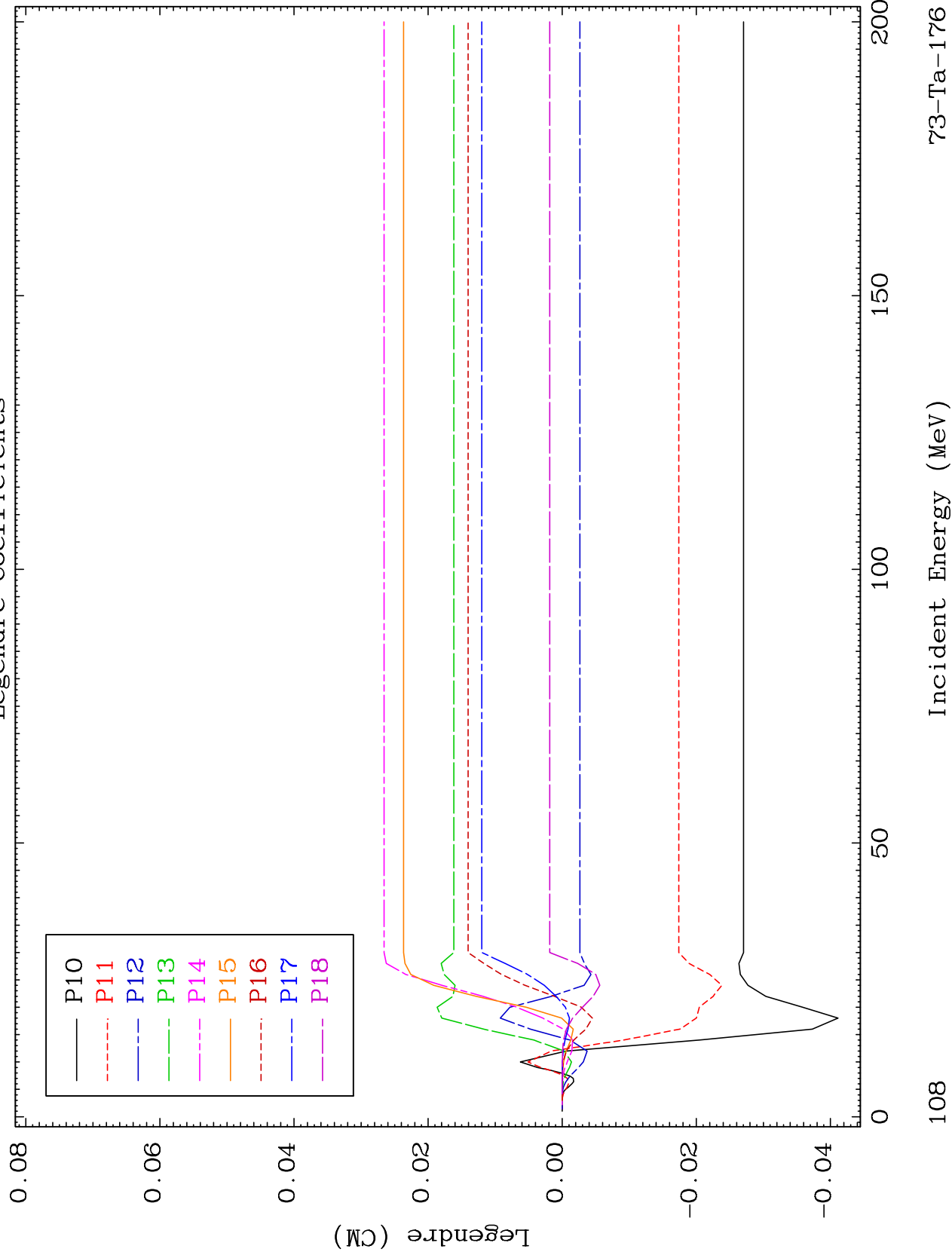
Incident Energy (MeV)

107

MAT 7313

289.0 keV (n,n') Level  
Legendre Coefficients

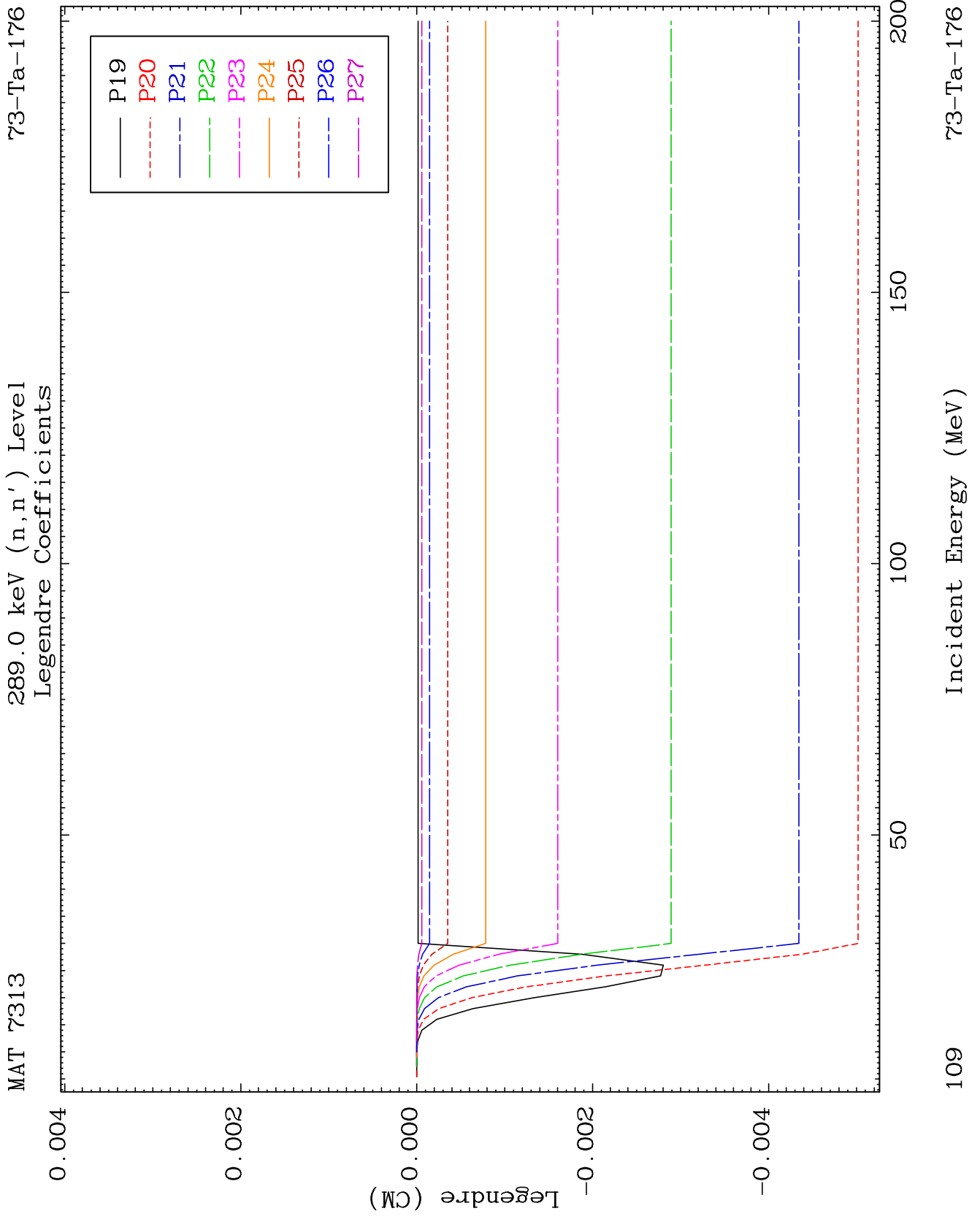
73-Ta-176

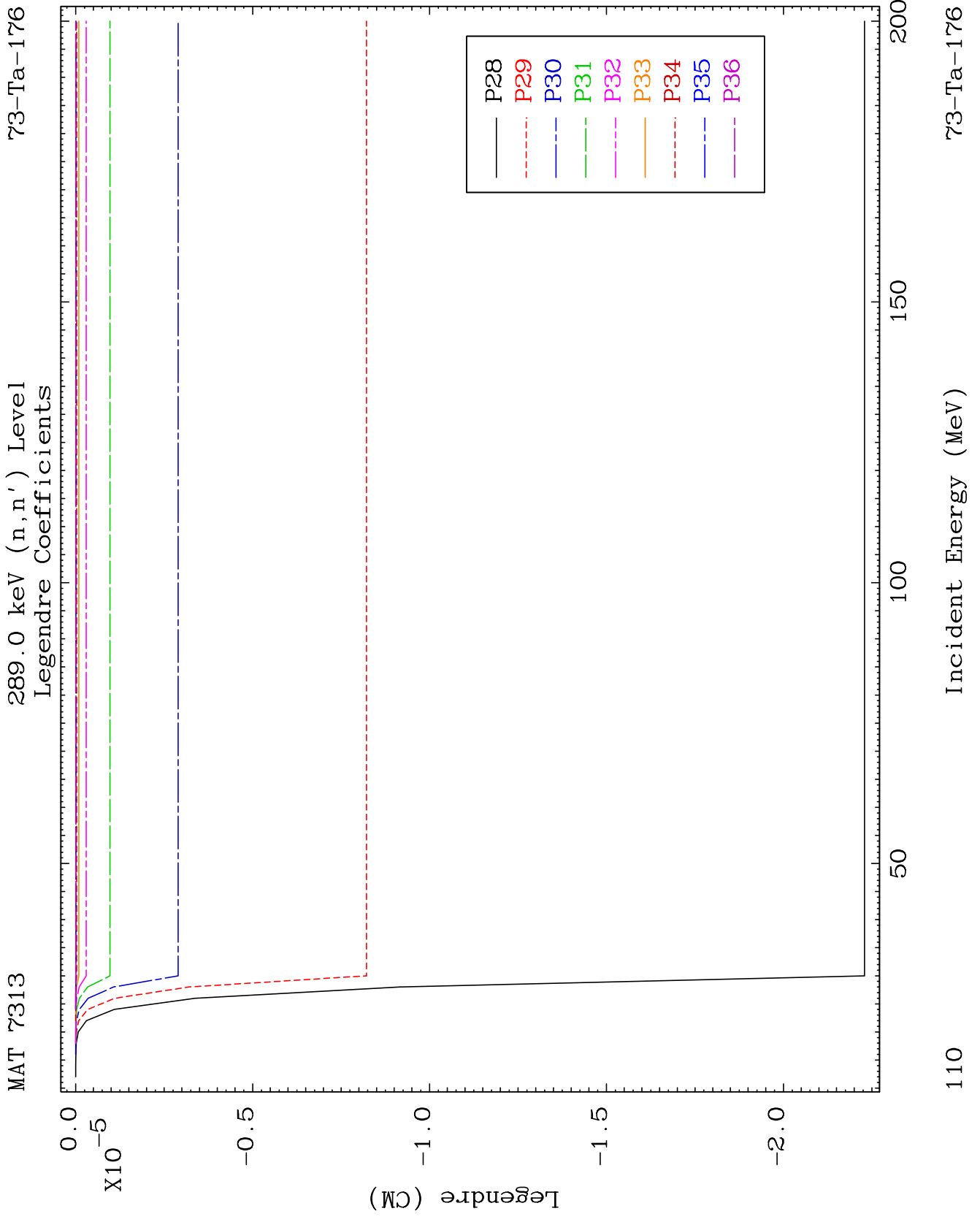


108

Incident Energy (MeV)

73-Ta-176

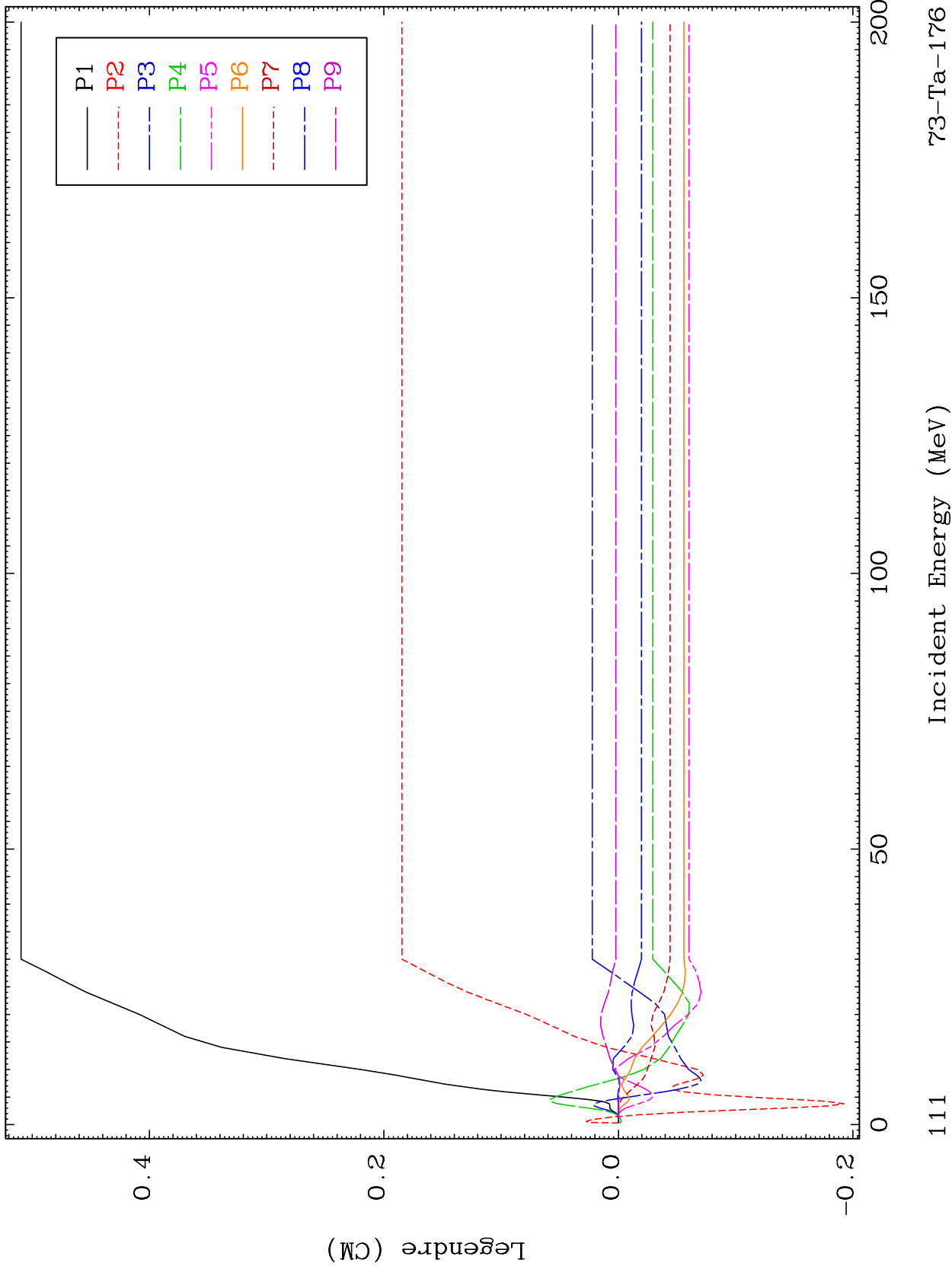




MAT 7313

292.9 keV (n,n') Level  
Legendre Coefficients

73-Ta-176

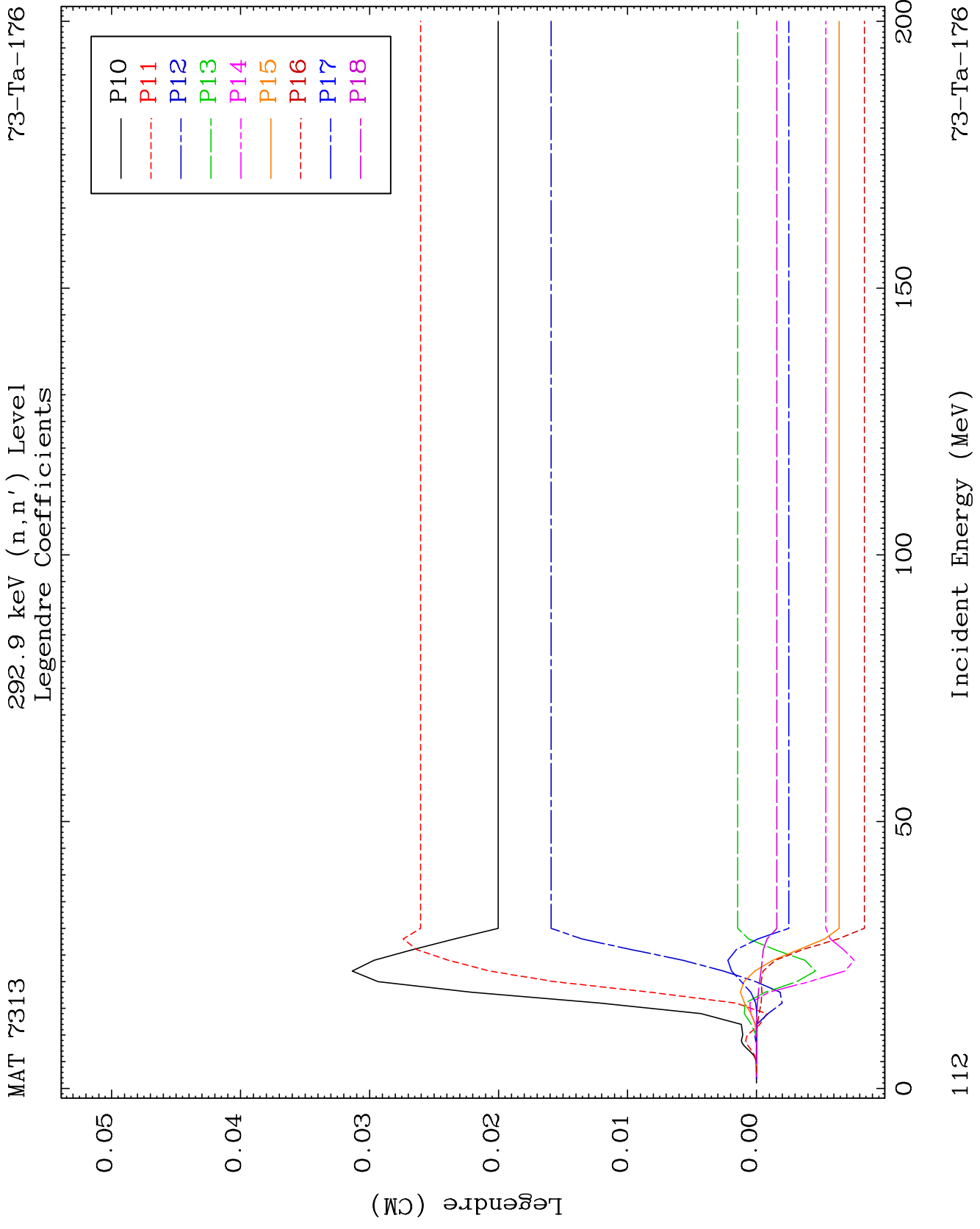


73-Ta-176

Incident Energy (MeV)

111

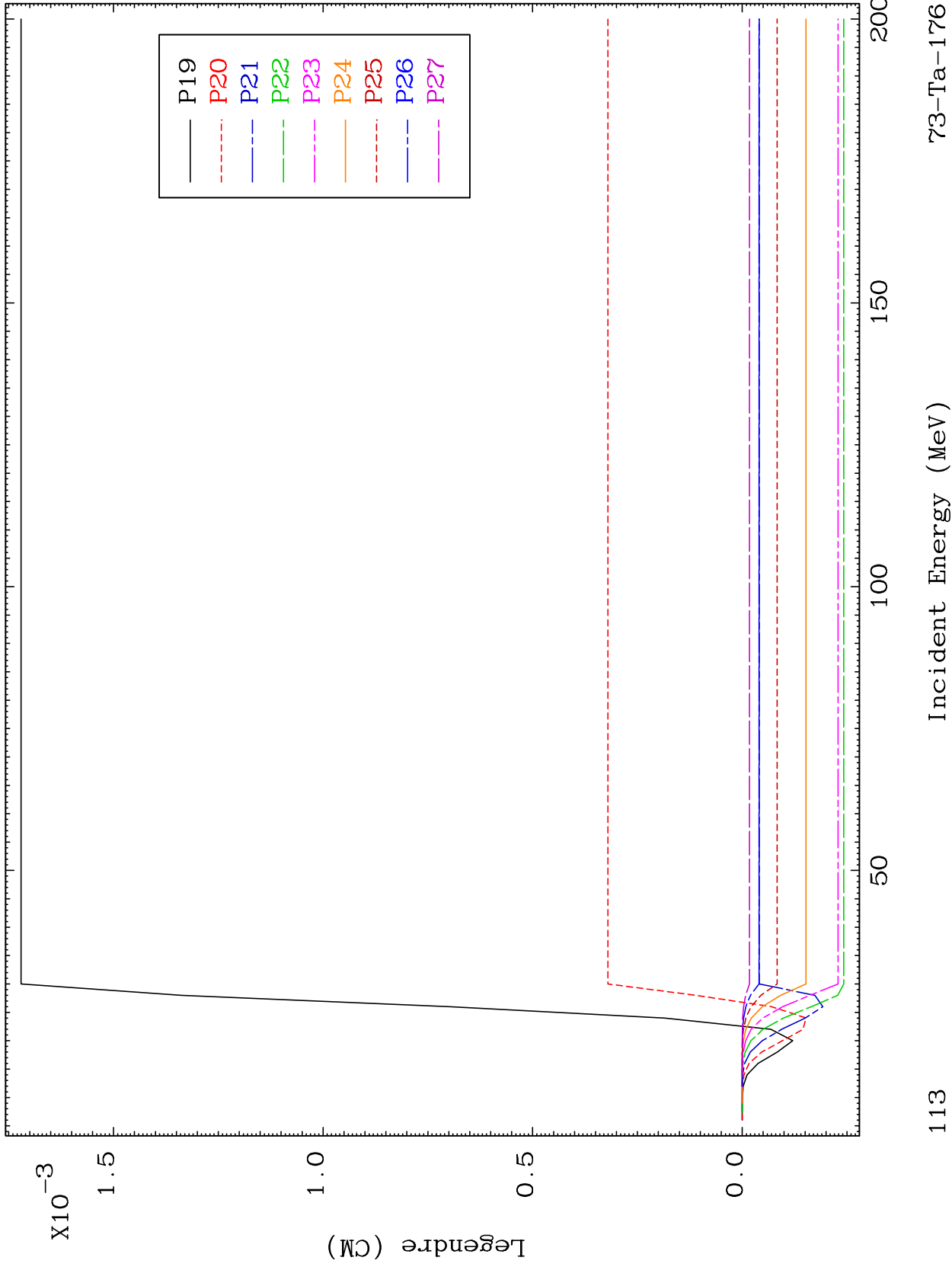




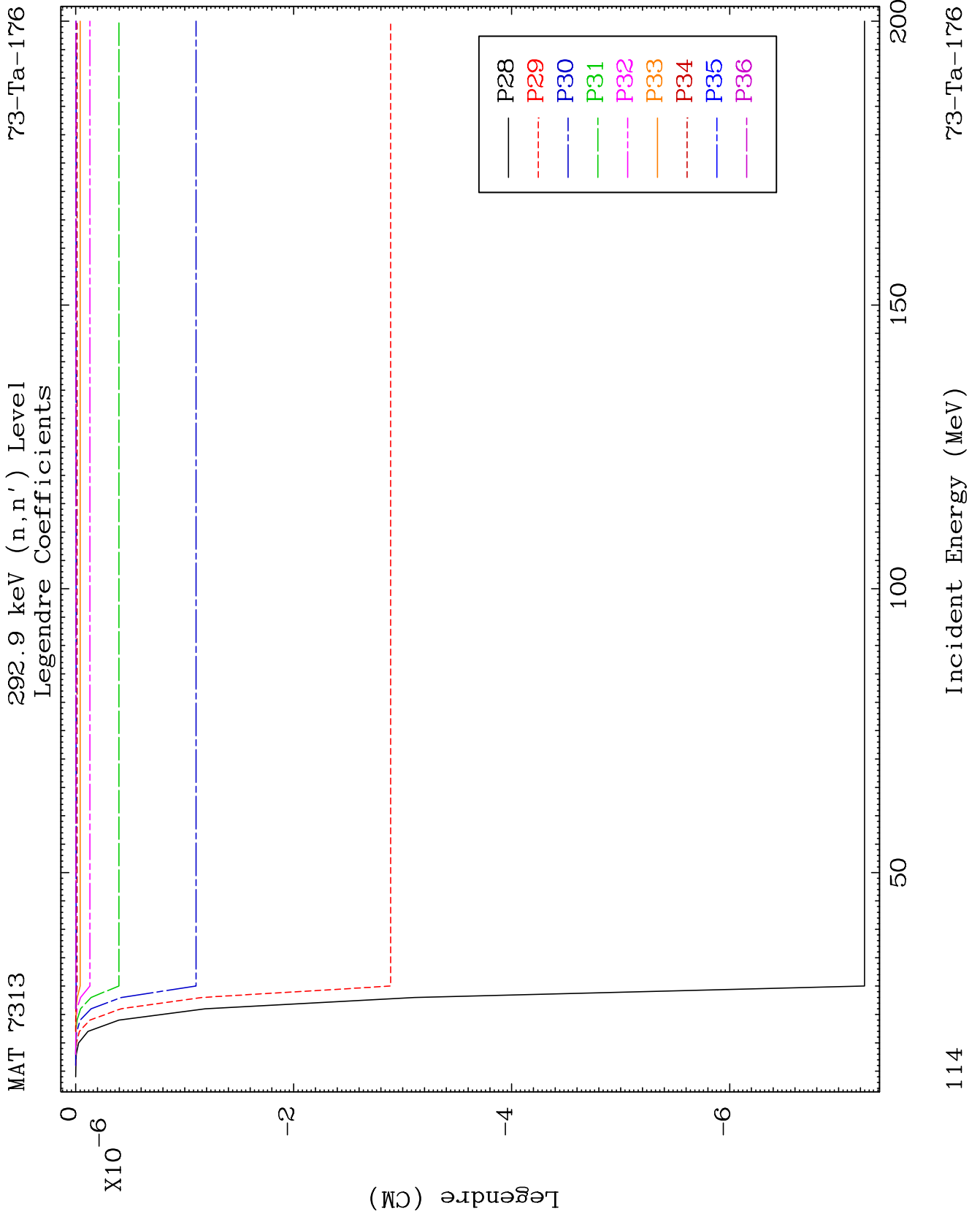
MAT 7313

292.9 keV (n,n') Level  
Legendre Coefficients

73-Ta-176



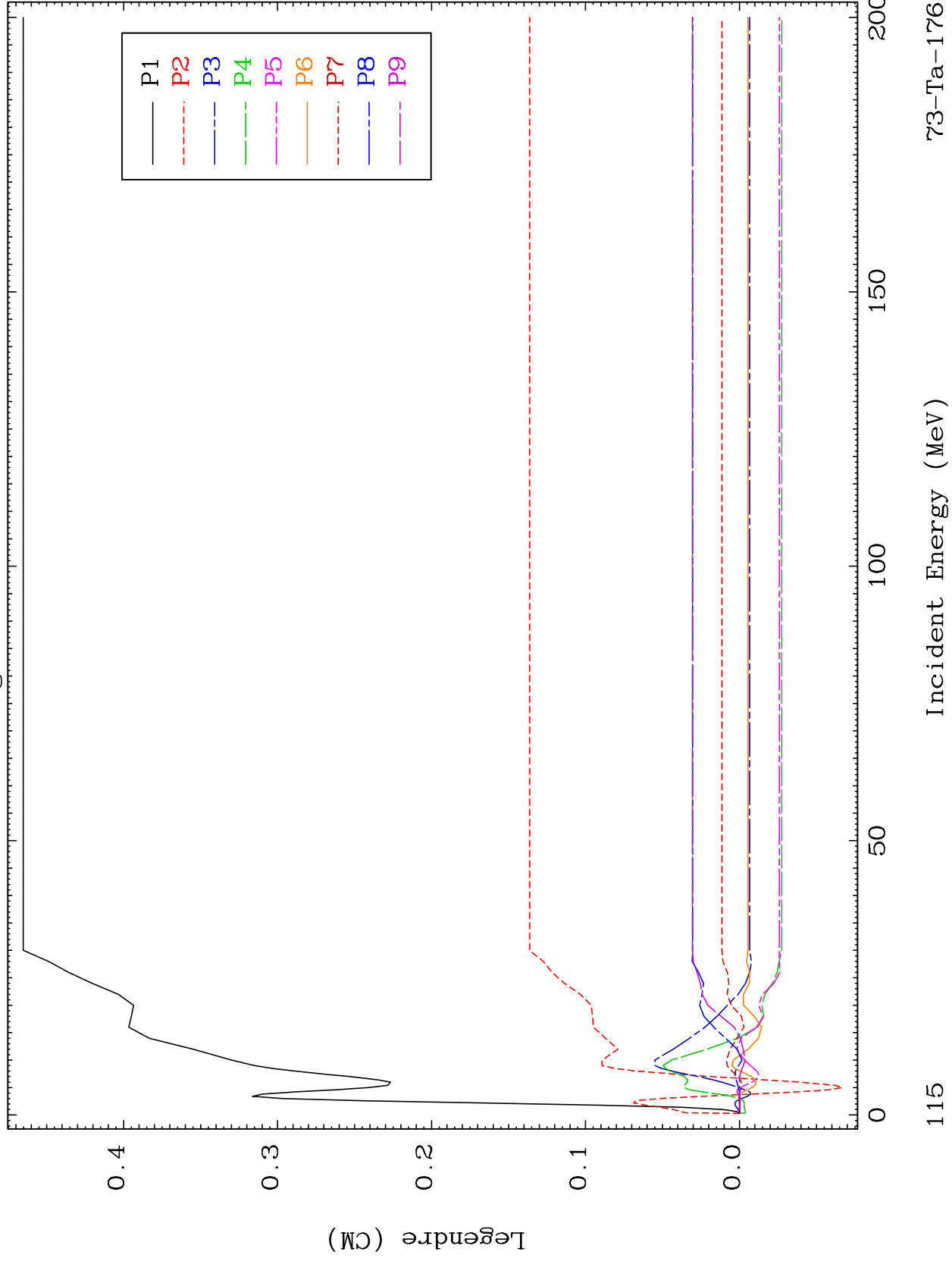
113



MAT 7313

295.7 keV (n,n') Level  
Legendre Coefficients

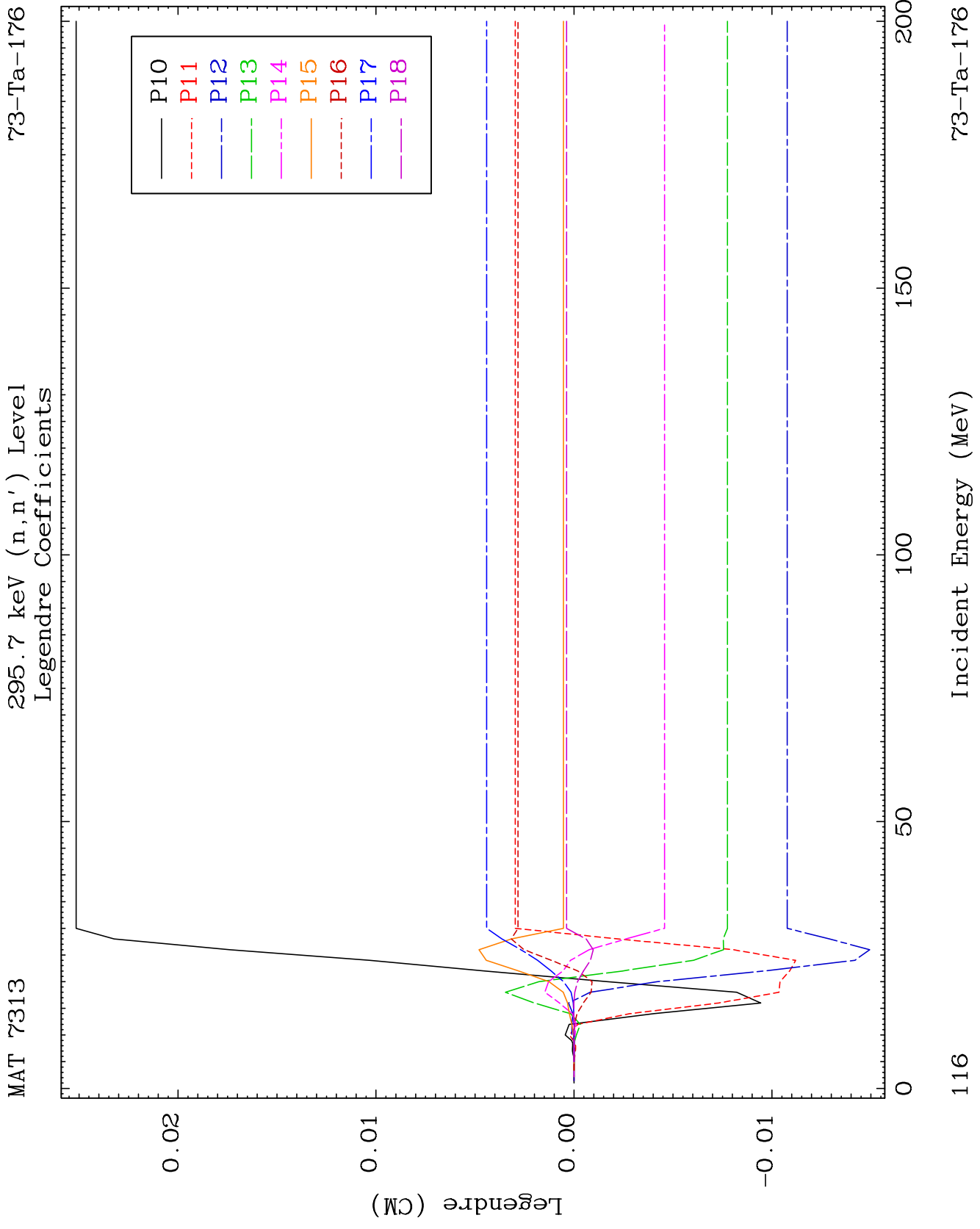
73-Ta-176



73-Ta-176

Incident Energy (MeV)

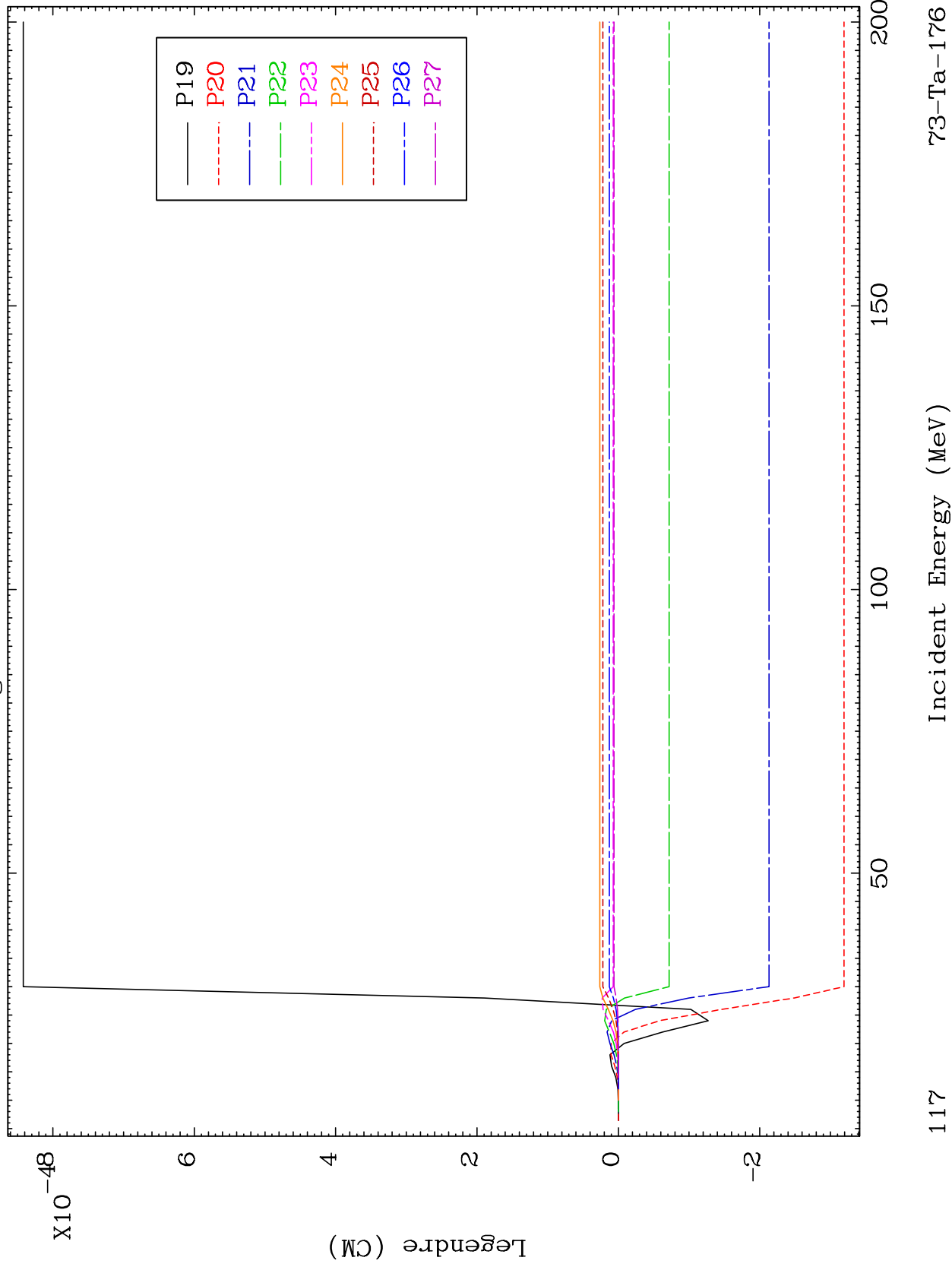
115



MAT 7313

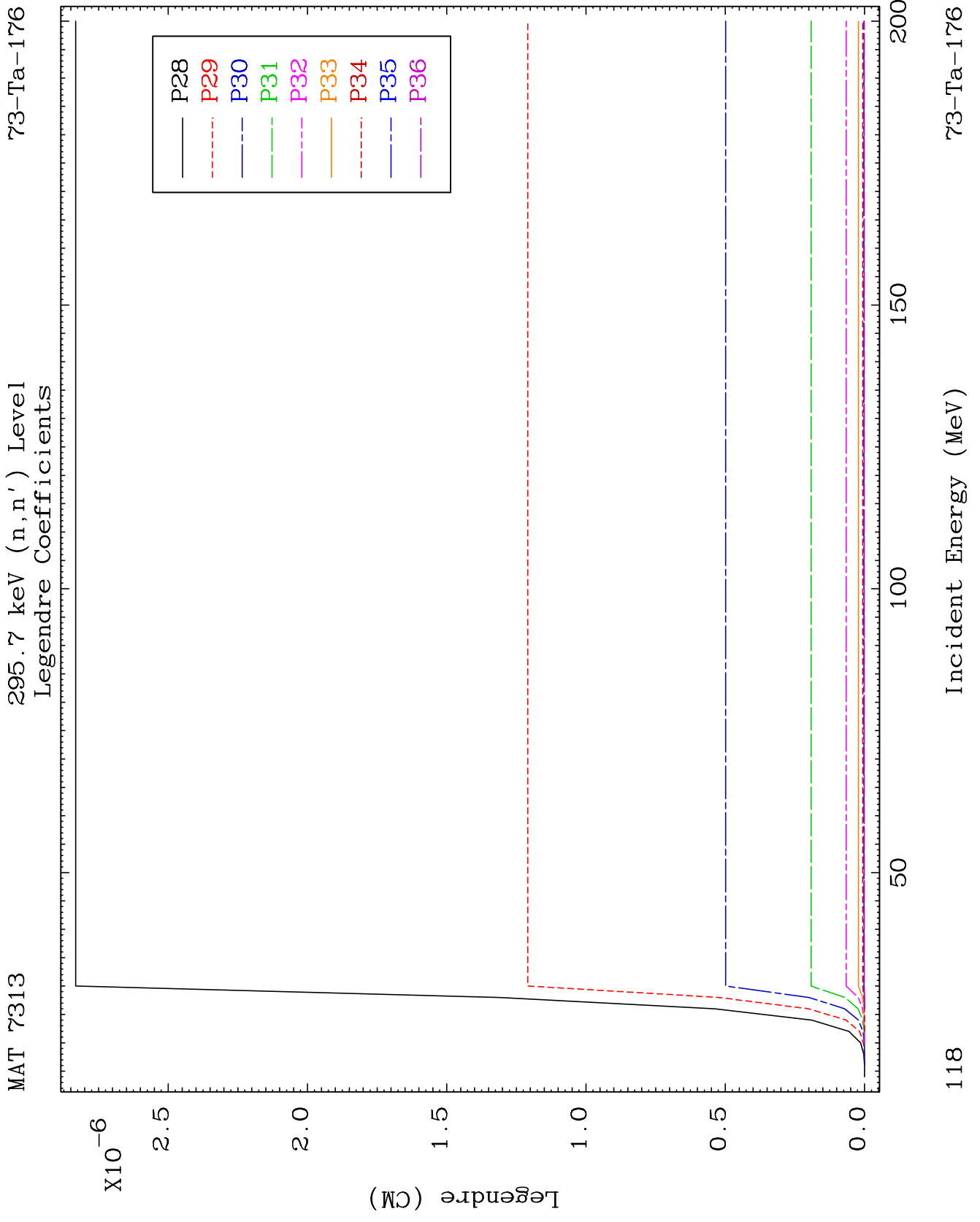
295.7 keV (n, n') Level  
Legendre Coefficients

73-Ta-176



117

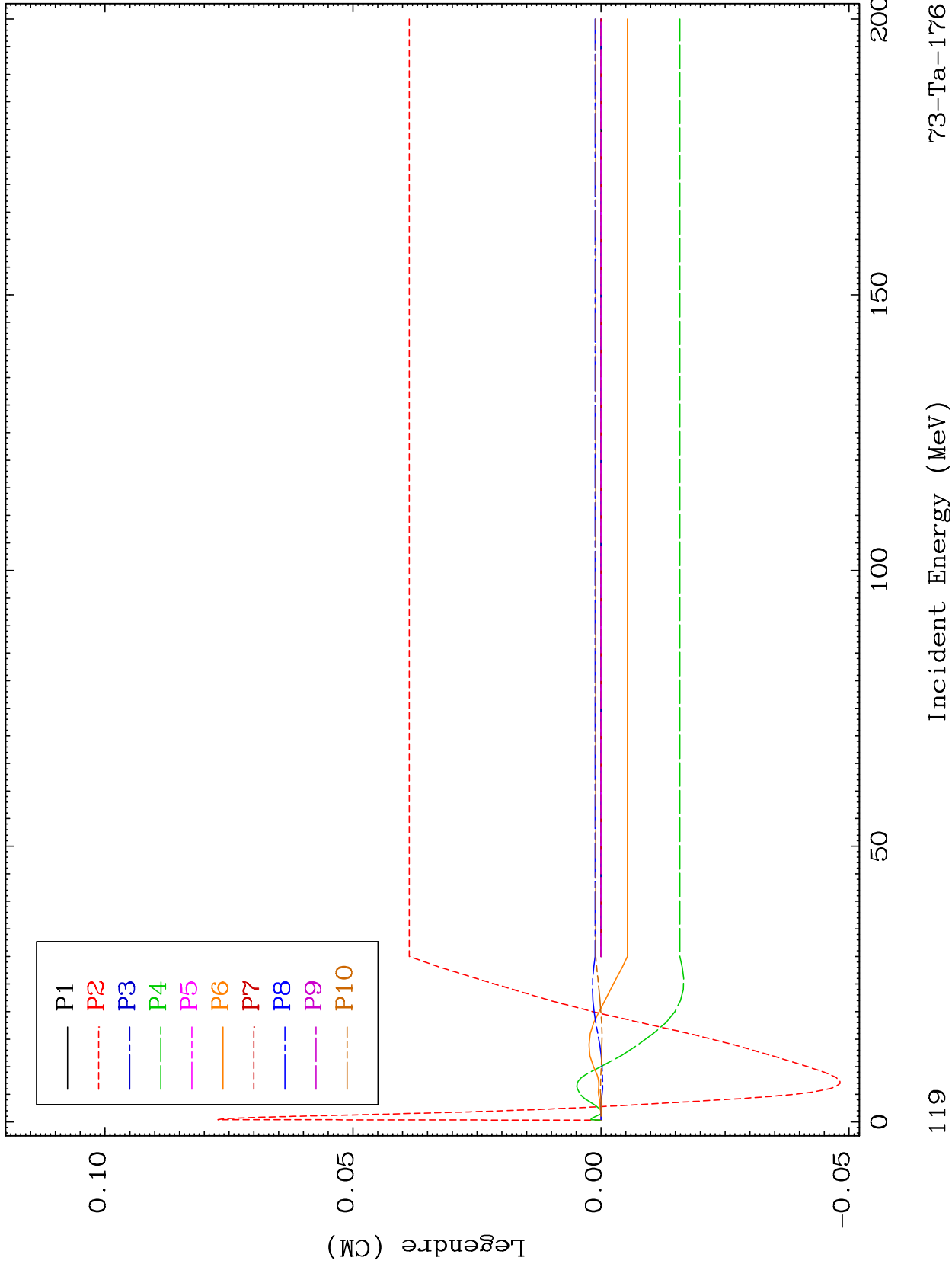
73-Ta-176



MAT 7313

300.3 keV (n,n') Level  
Legendre Coefficients

73-Ta-176

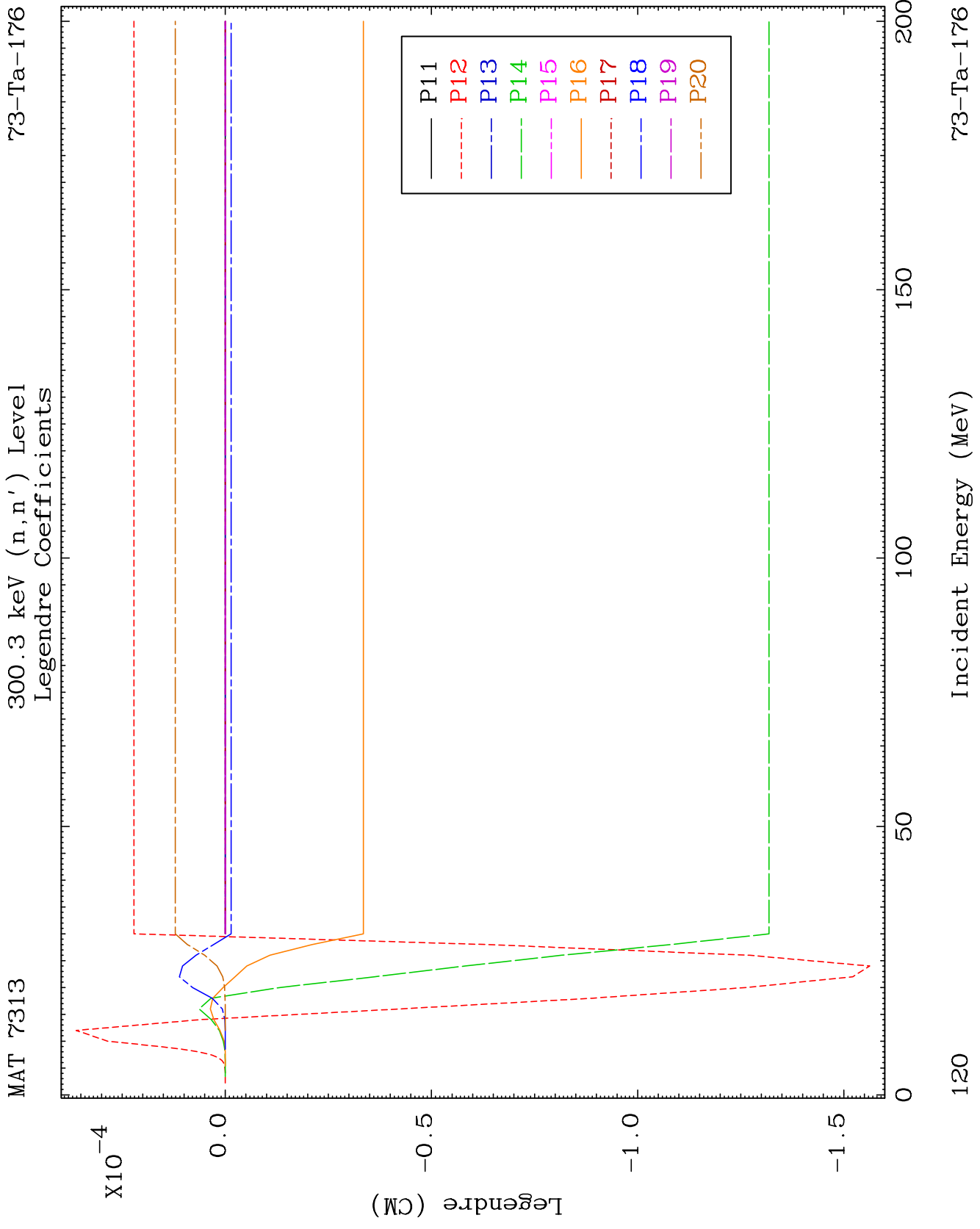


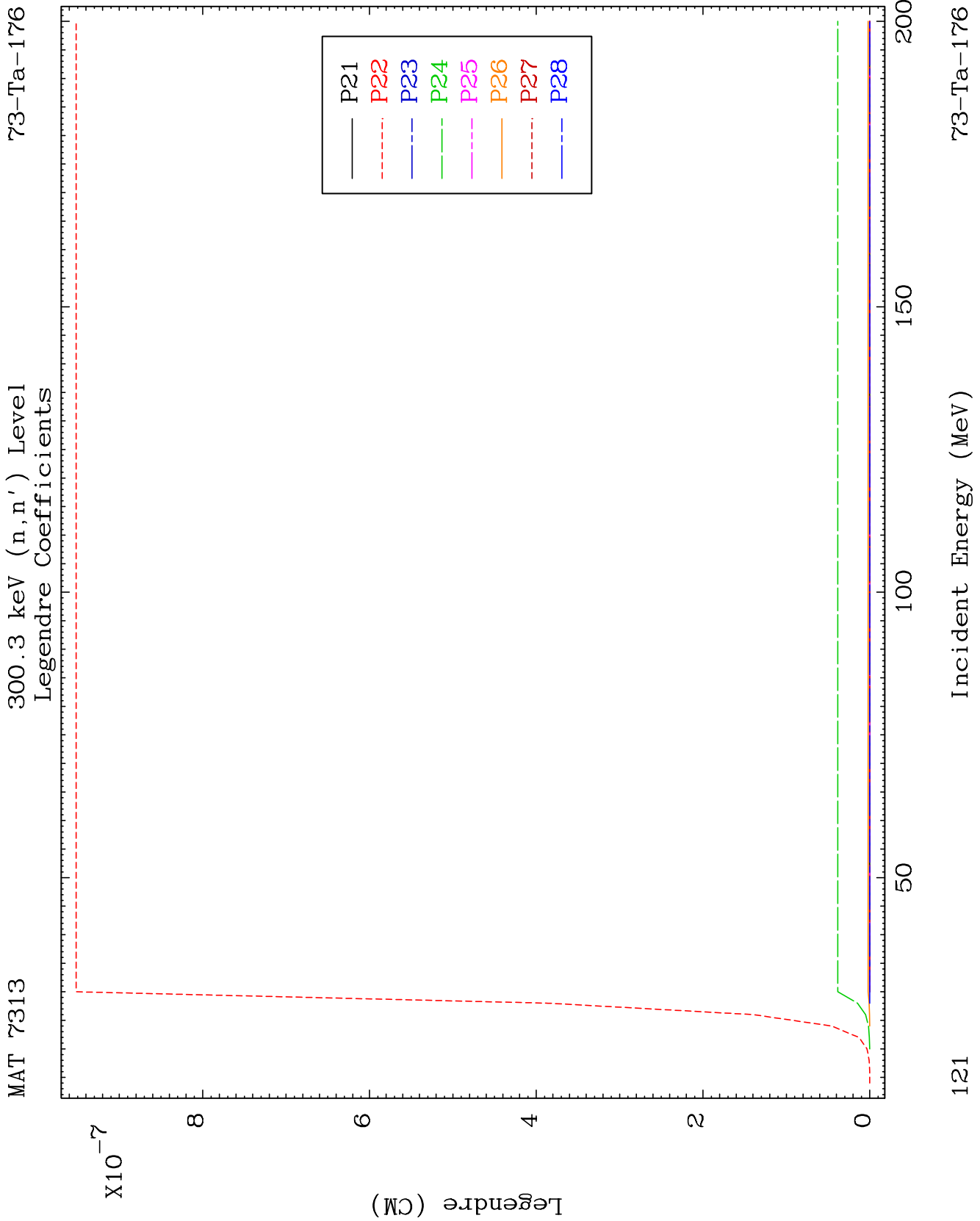
119

Incident Energy (MeV)

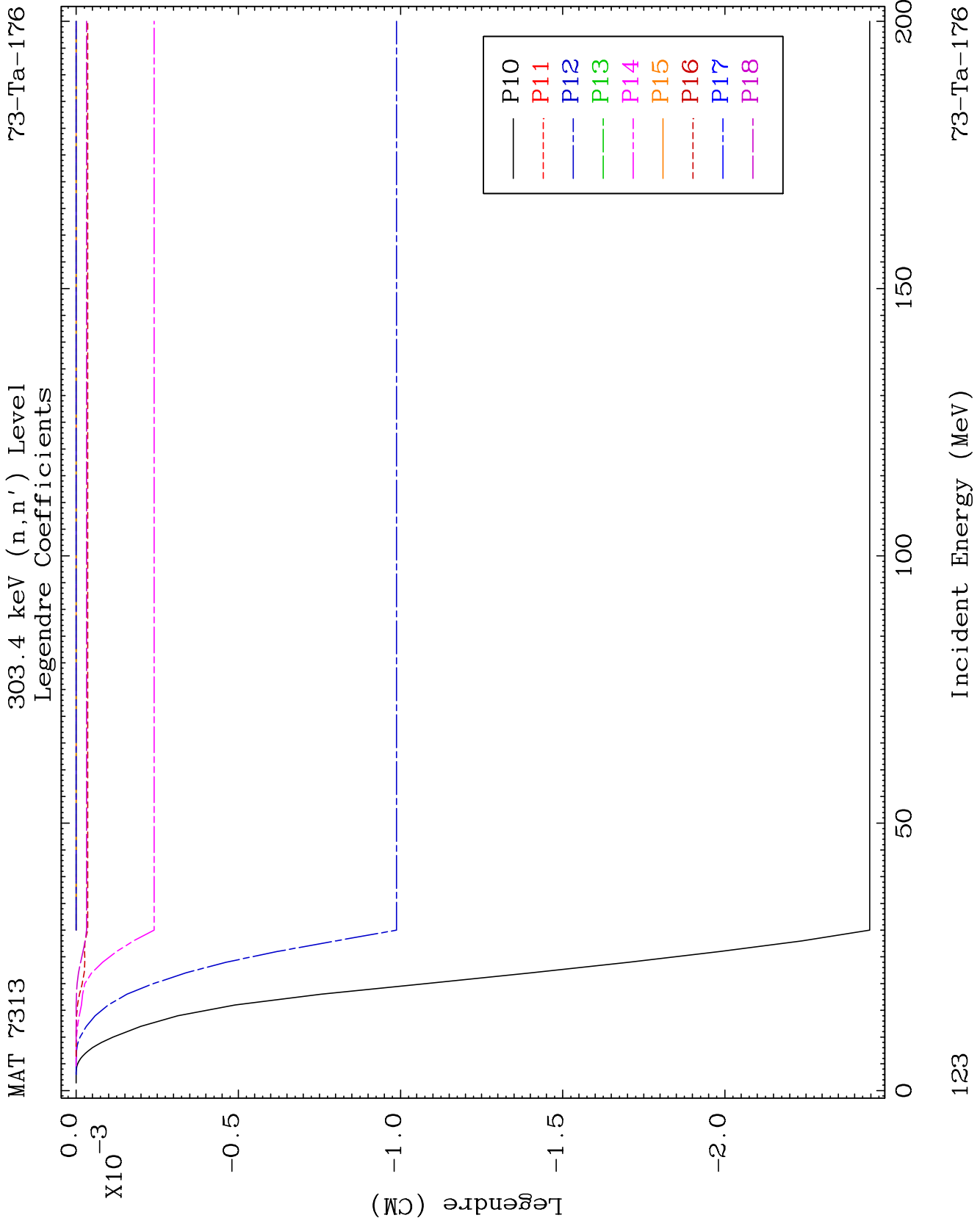
73-Ta-176

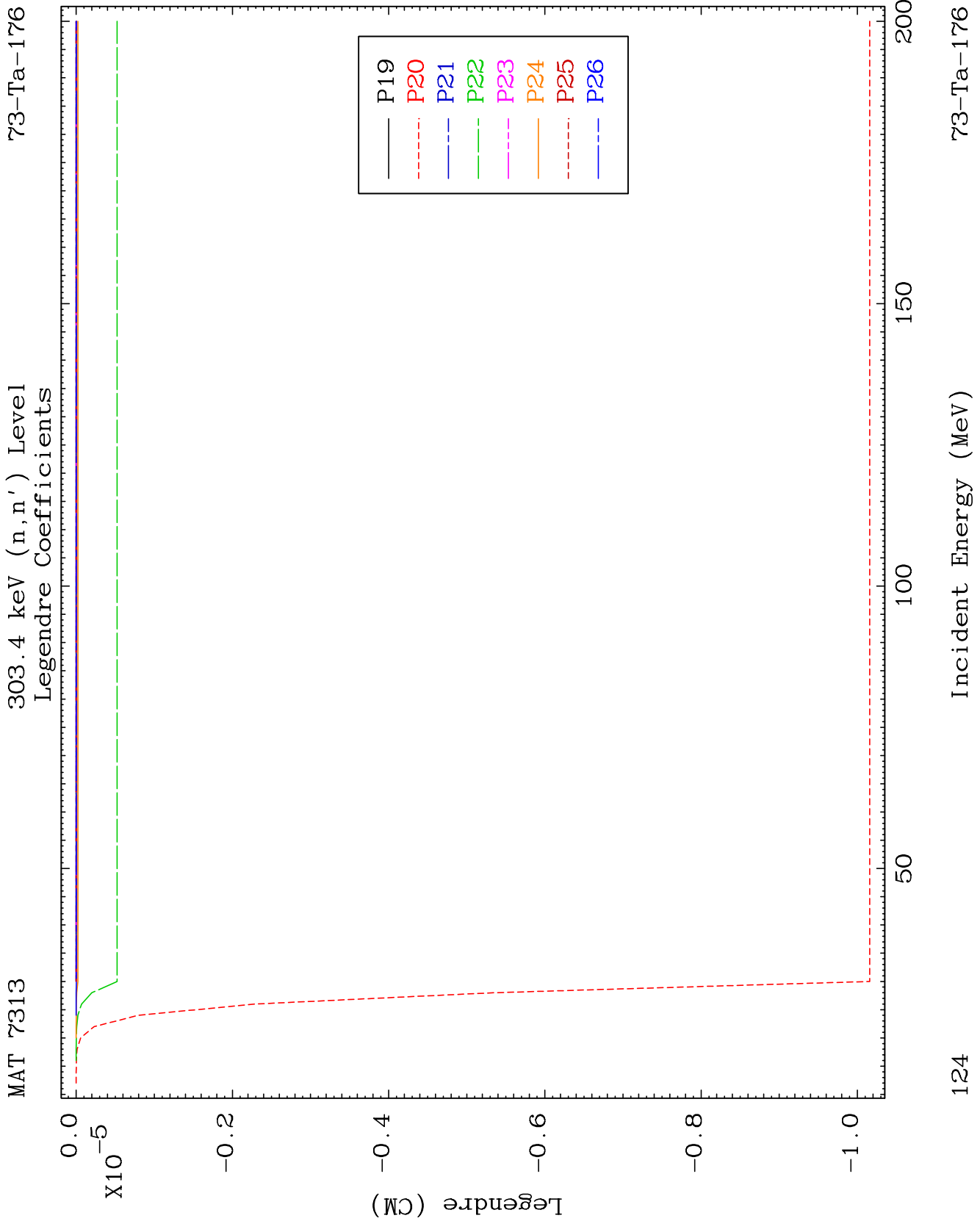










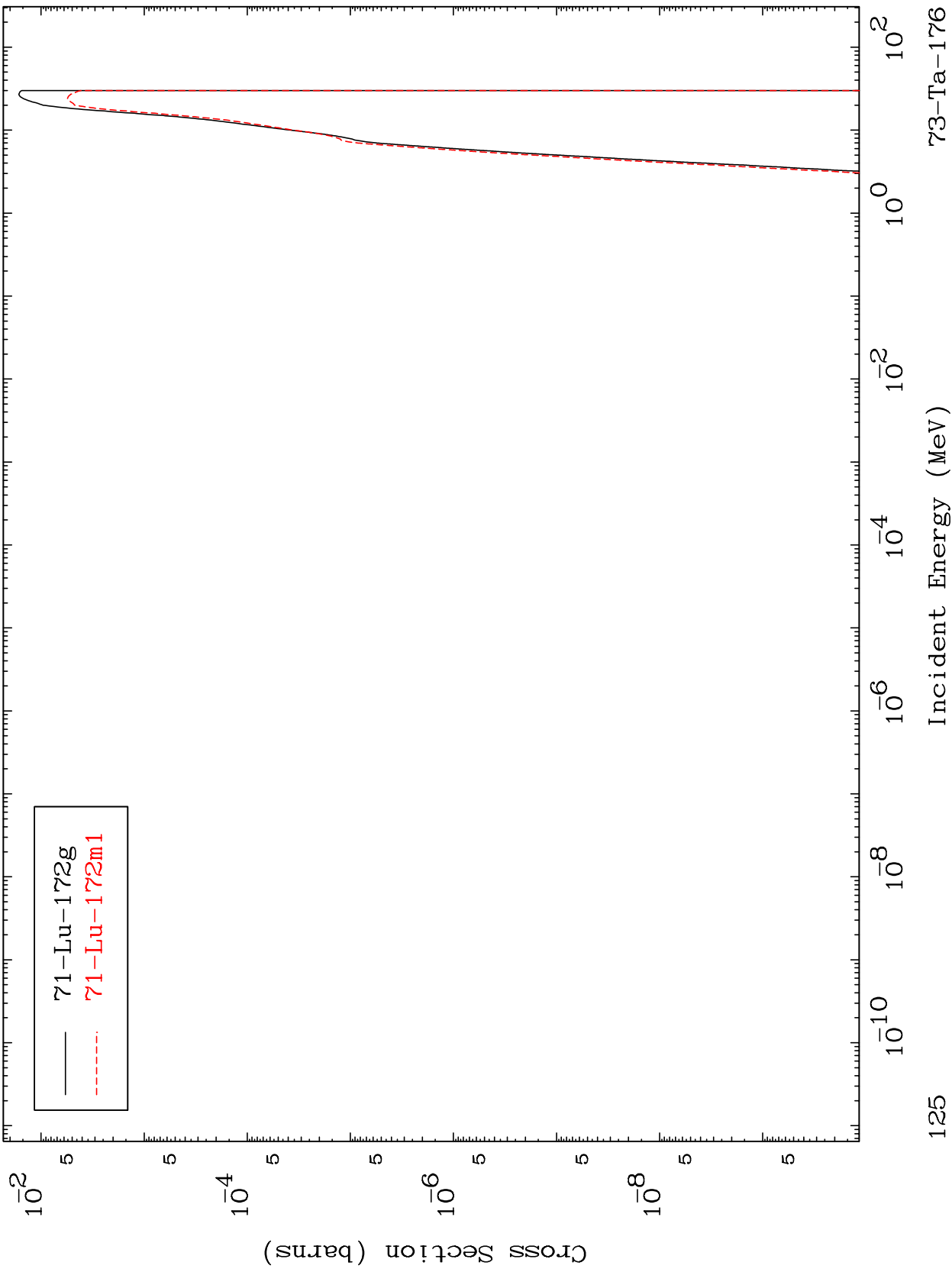


MAT 7313

$(n, n') \alpha$

$^{73}\text{Ta-176}$

Radionuclide Production Cross Section

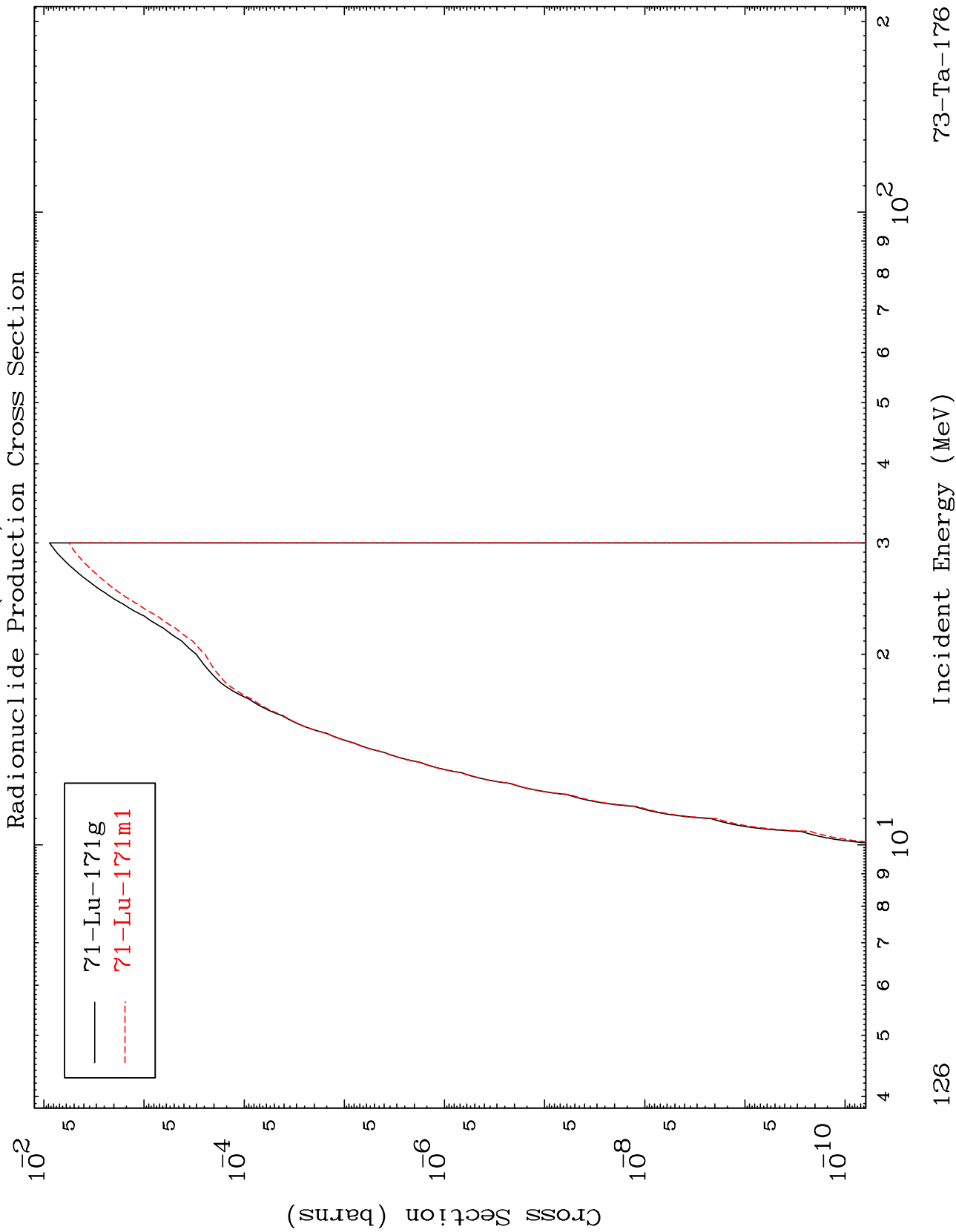


71-Lu-172g  
71-Lu-172m1

MAT 7313

(n,2n)  $\alpha$

73-Ta-176



126

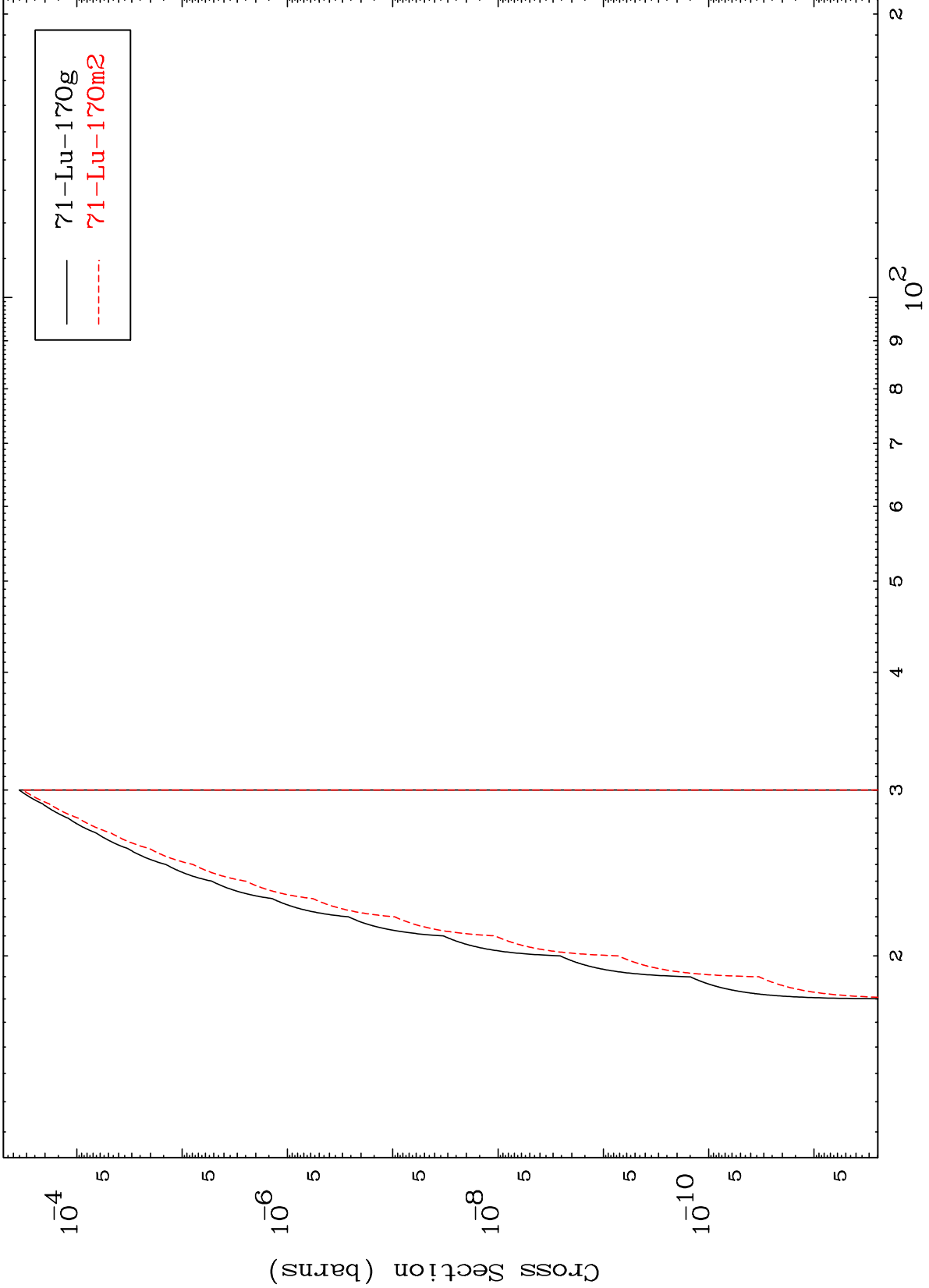
73-Ta-176

MAT 7313

$(n,3n) \alpha$

$^{73}\text{Ta-176}$

Radionuclide Production Cross Section



127

Incident Energy (MeV)

$^{73}\text{Ta-176}$

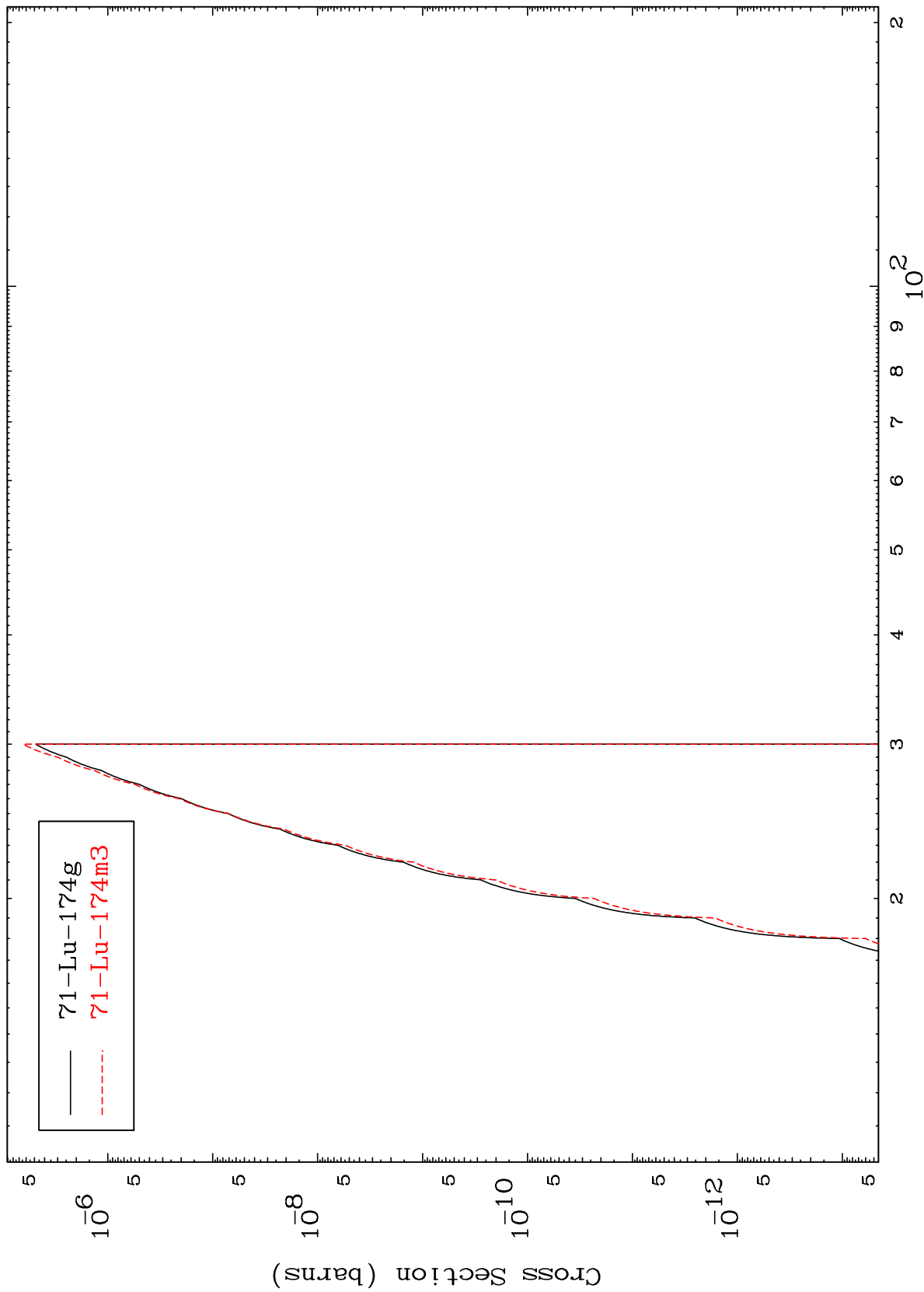


MAT 7313

(n,2n) p

73-Ta-176

Radionuclide Production Cross Section



128

Incident Energy (MeV)

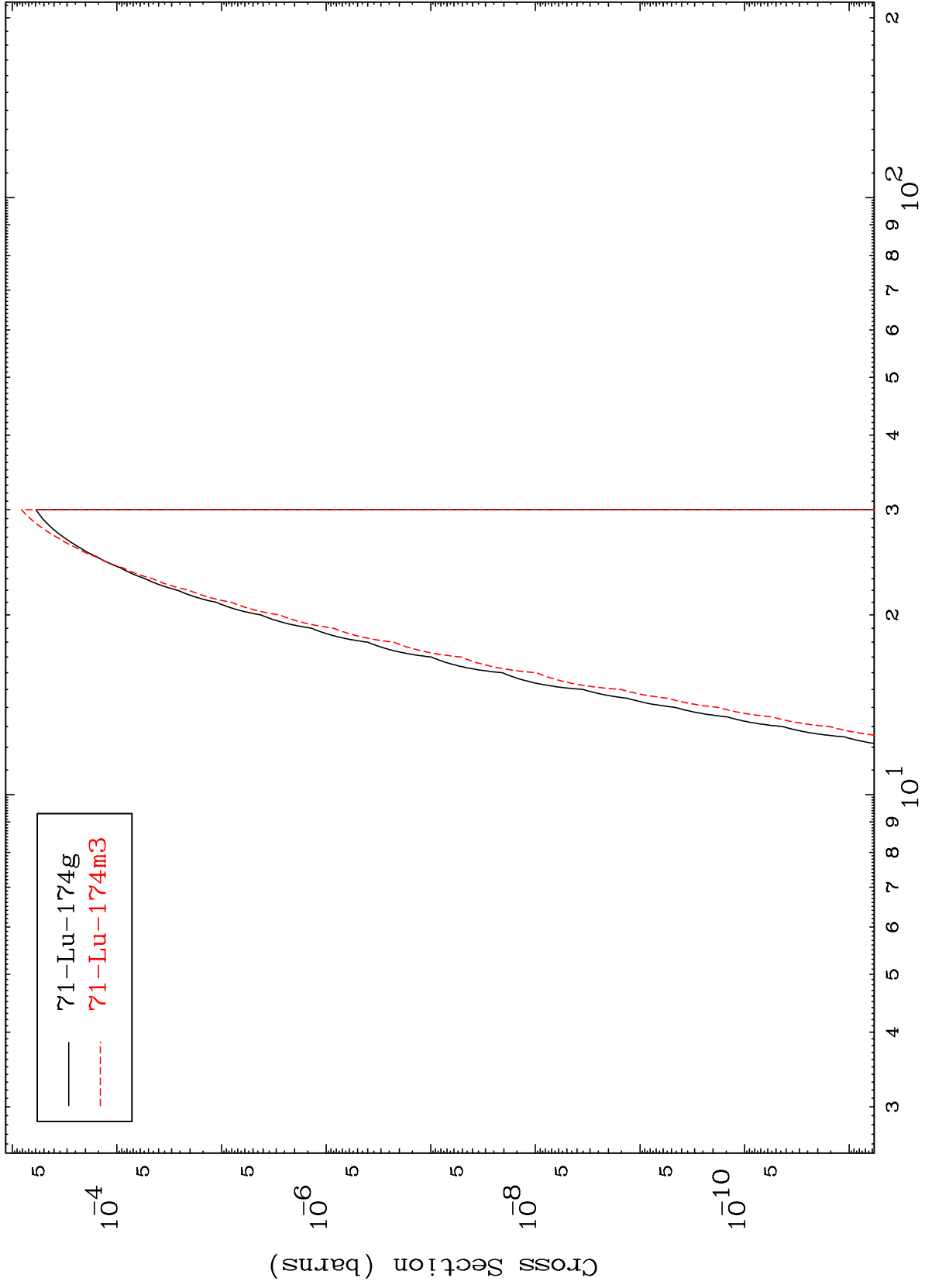
73-Ta-176

MAT 7313

(n,He-3)

73-Ta-176

Radionuclide Production Cross Section



129

Incident Energy (MeV)

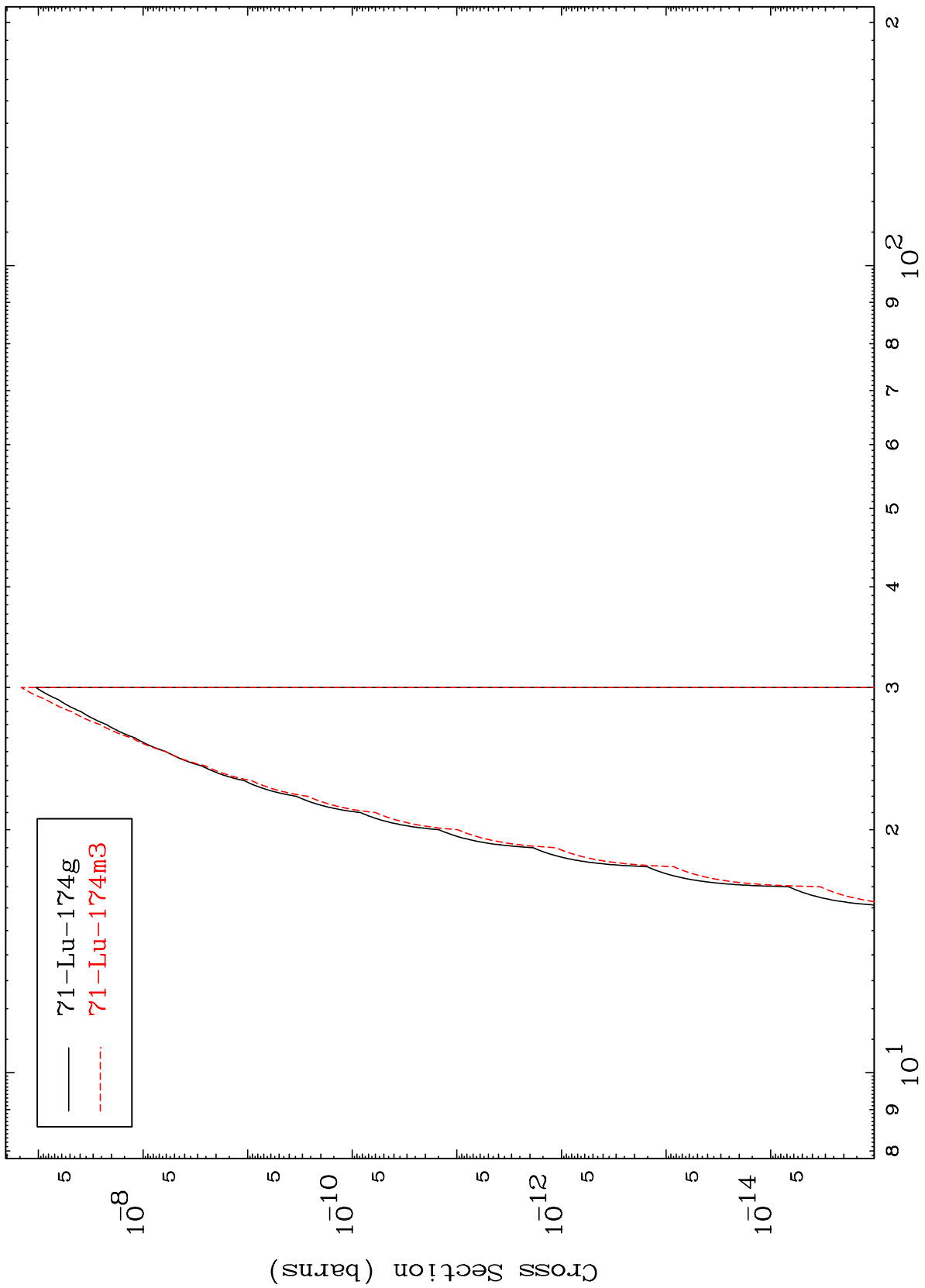
73-Ta-176

MAT 7313

(n,p) d

<sup>73</sup>Ta-176

Radionuclide Production Cross Section



130

Incident Energy (MeV)

<sup>73</sup>Ta-176