

Program EVALPLOT  
(Version 2018-1)

by

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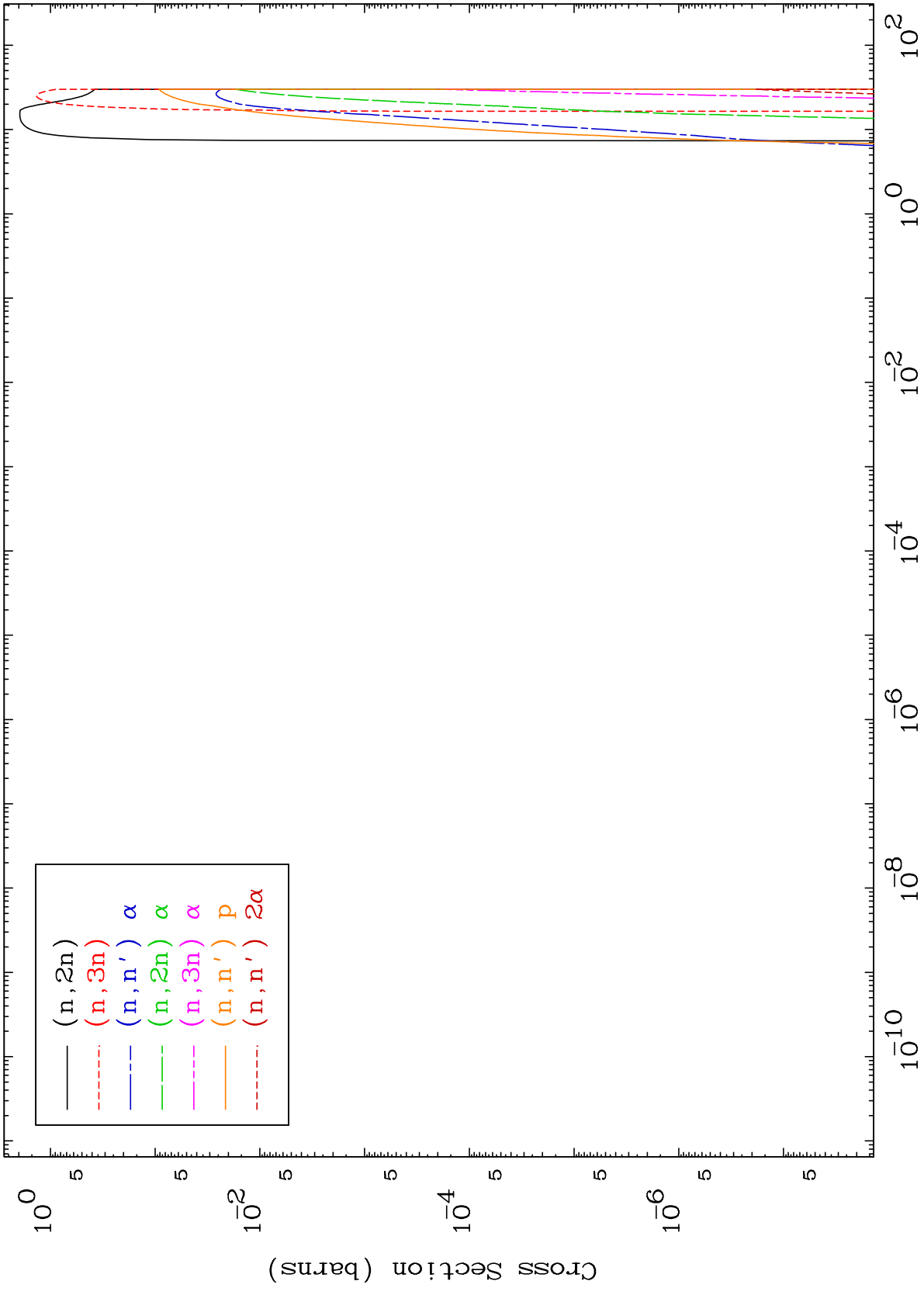
Press Mouse Button to Start



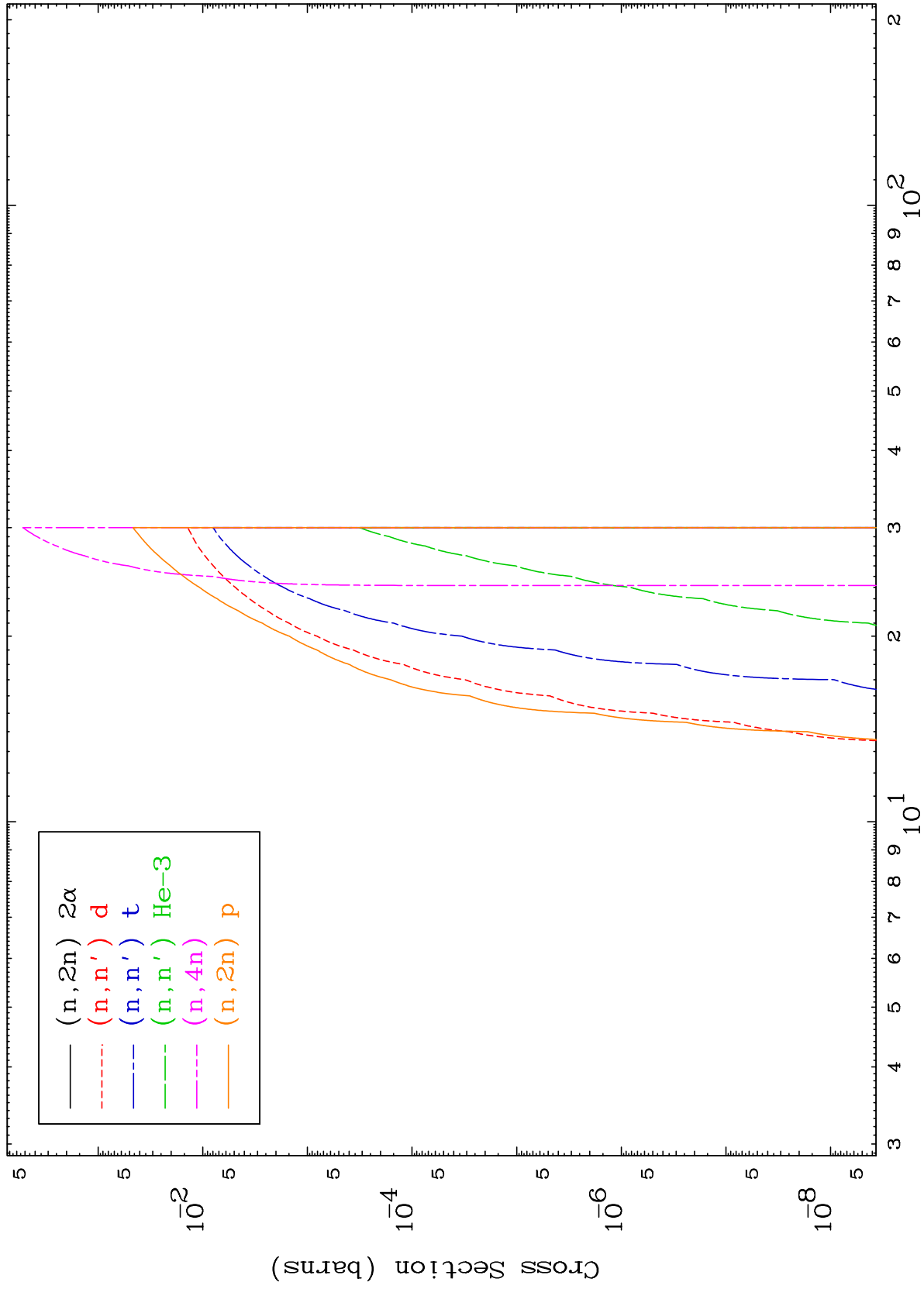
MAT 7110

Neutron Production  
293 Kelvin Cross Sections

71-Lu-170



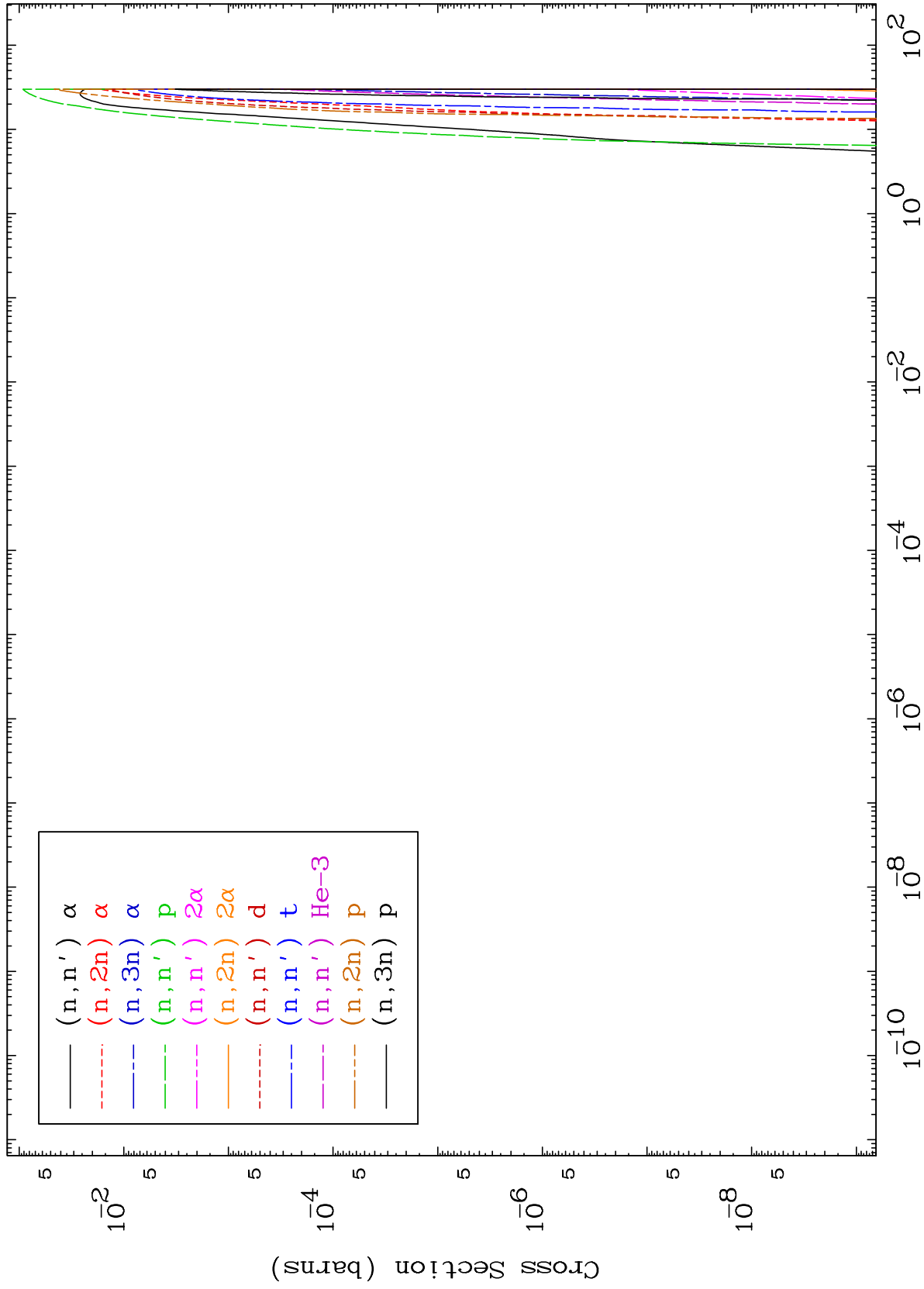
71-Lu-170



MAT 7110

Charged Particle  
293 Kelvin Cross Sections

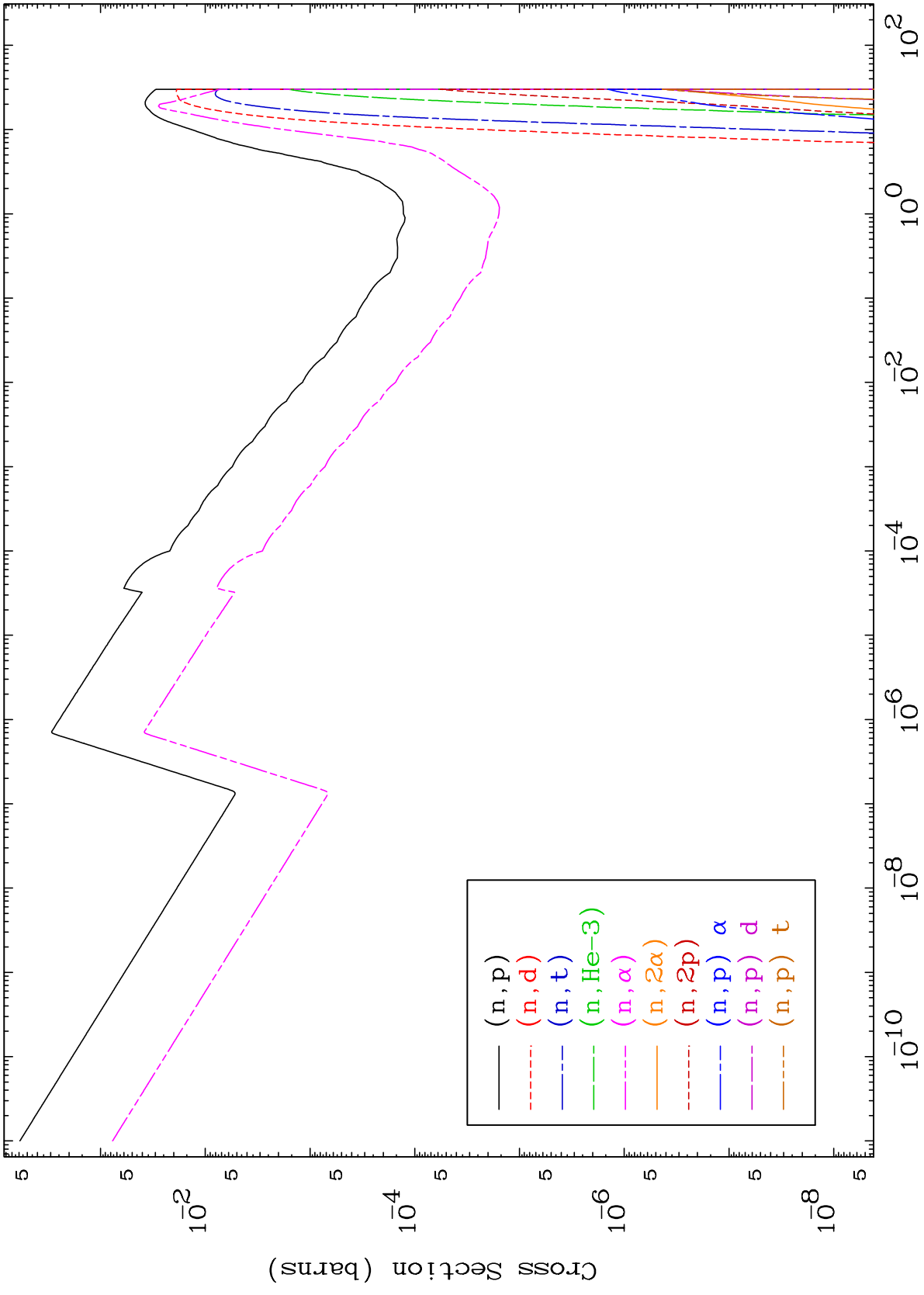
71-Lu-170



MAT 7110

293 Kelvin Cross Sections

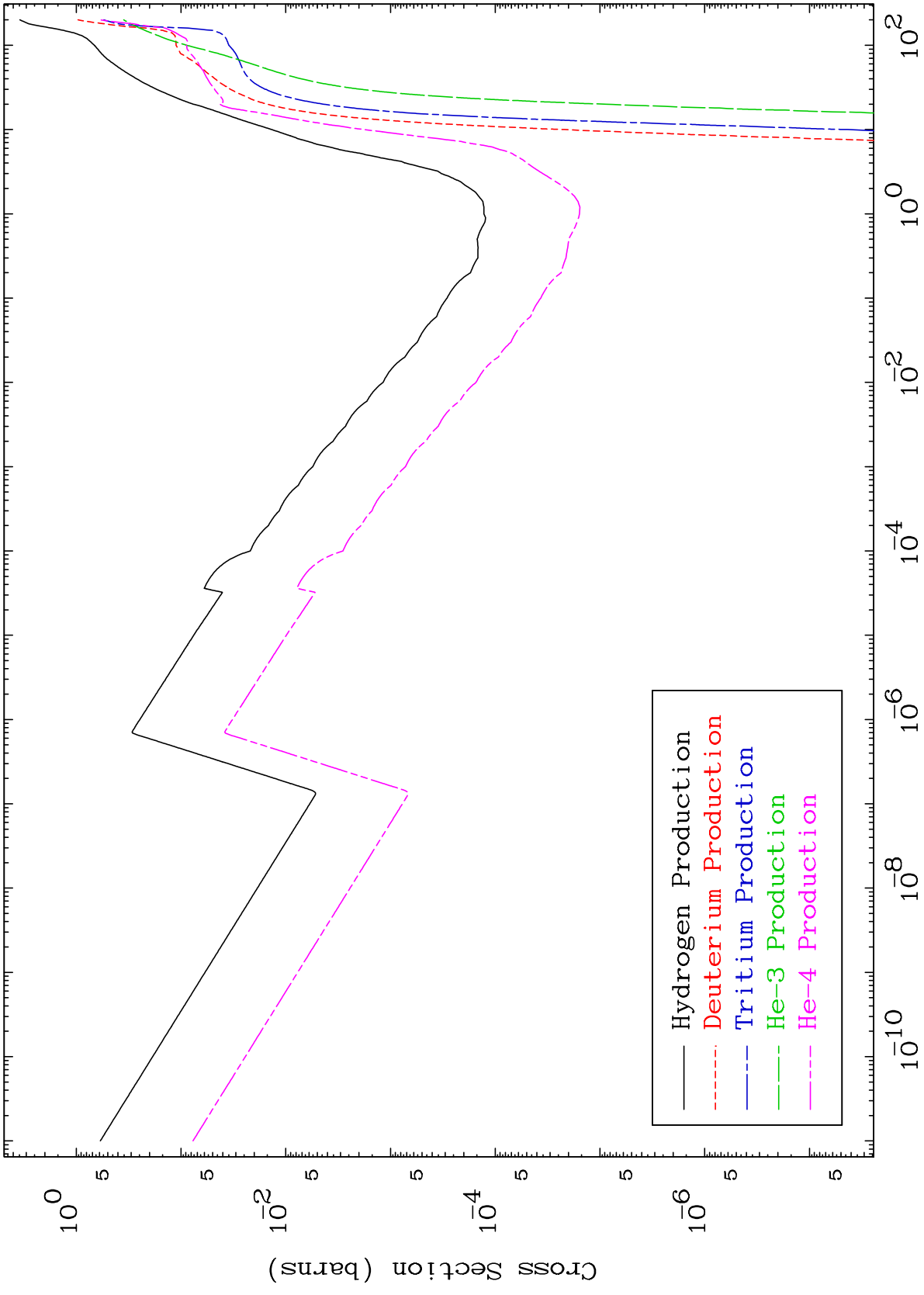
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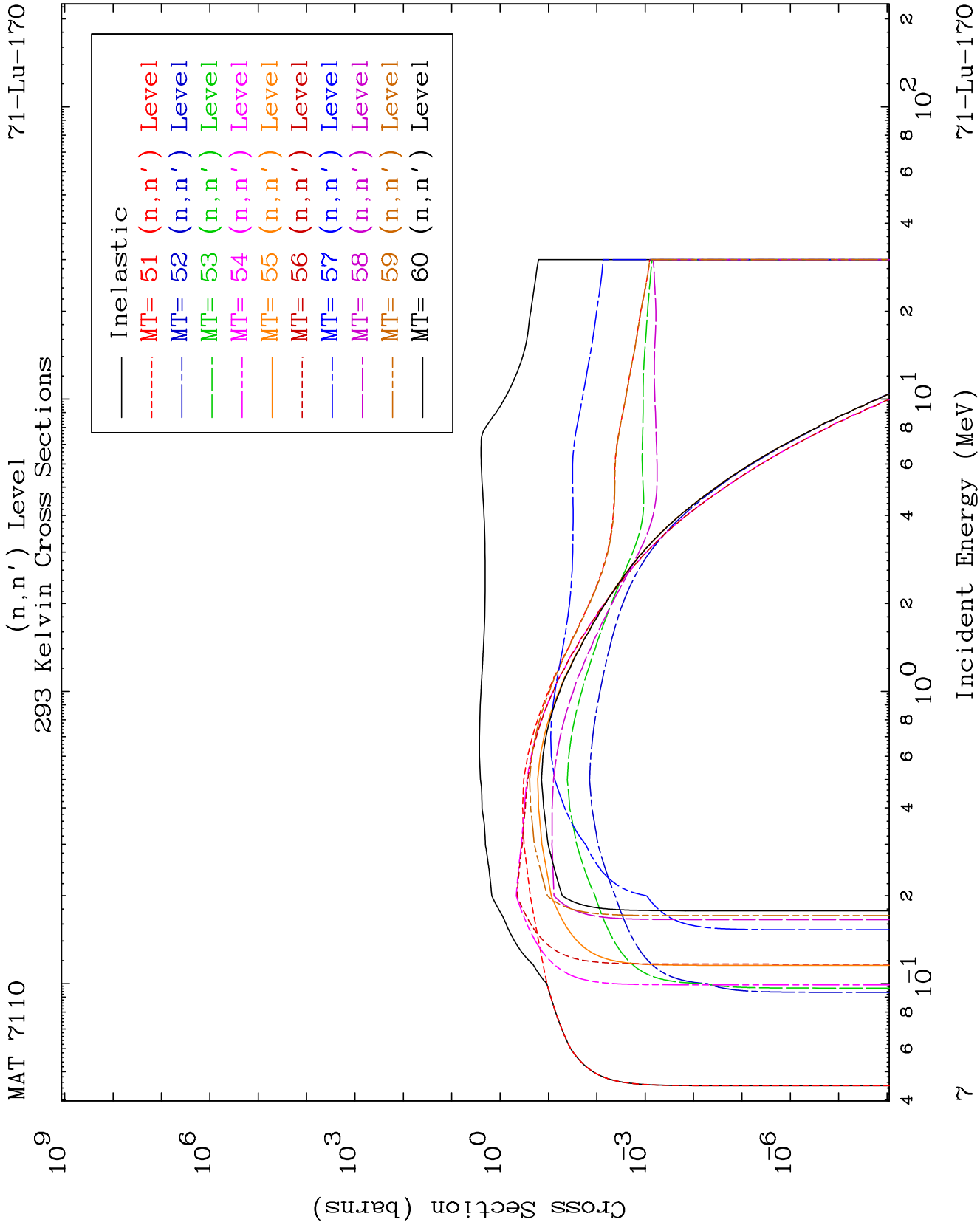
MAT 7110

Particle Production  
293 Kelvin Cross Sections

71-Lu-170



71-Lu-170



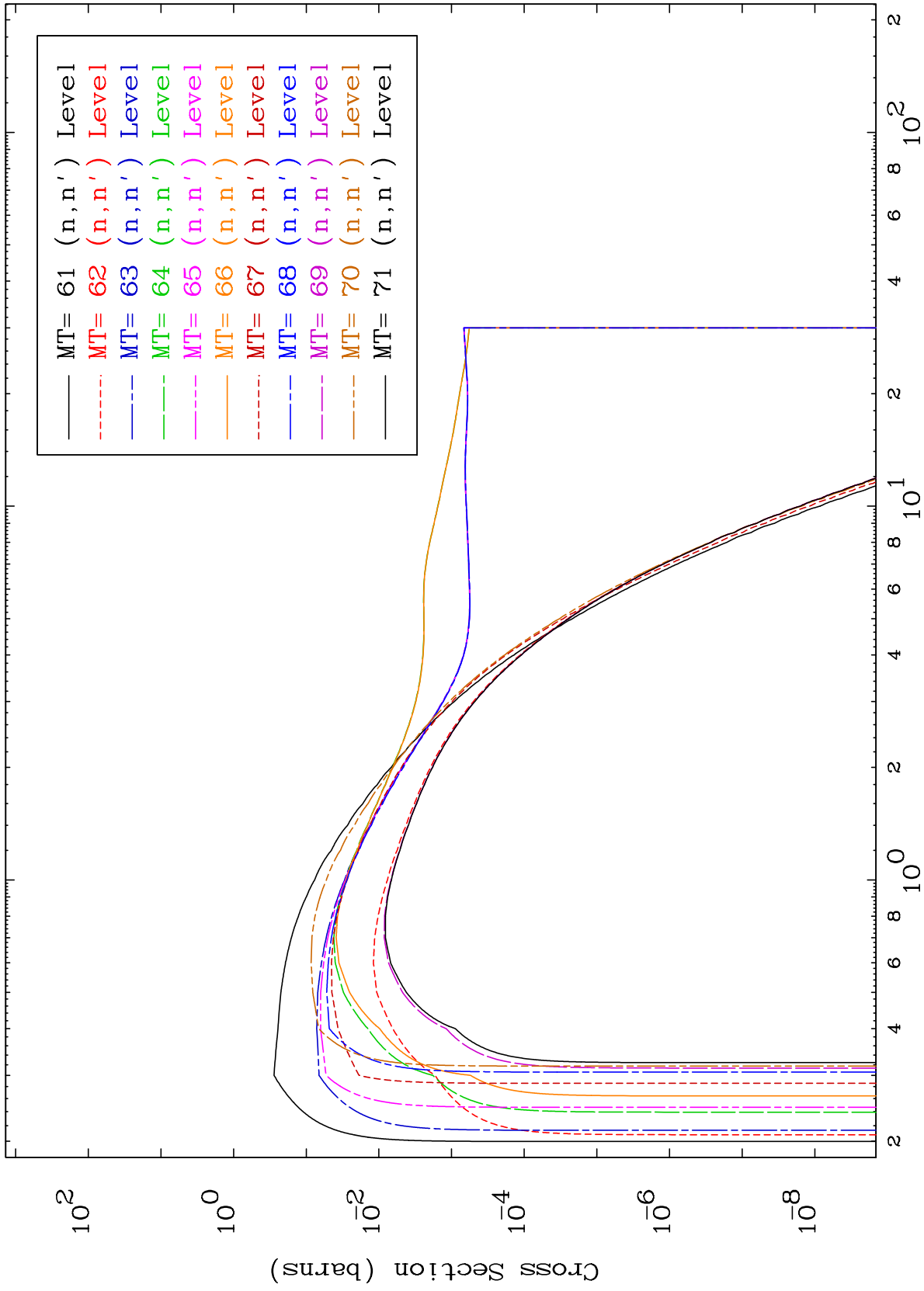


MAT 7110

(n,n') Level

71-Lu-170

293 Kelvin Cross Sections



8

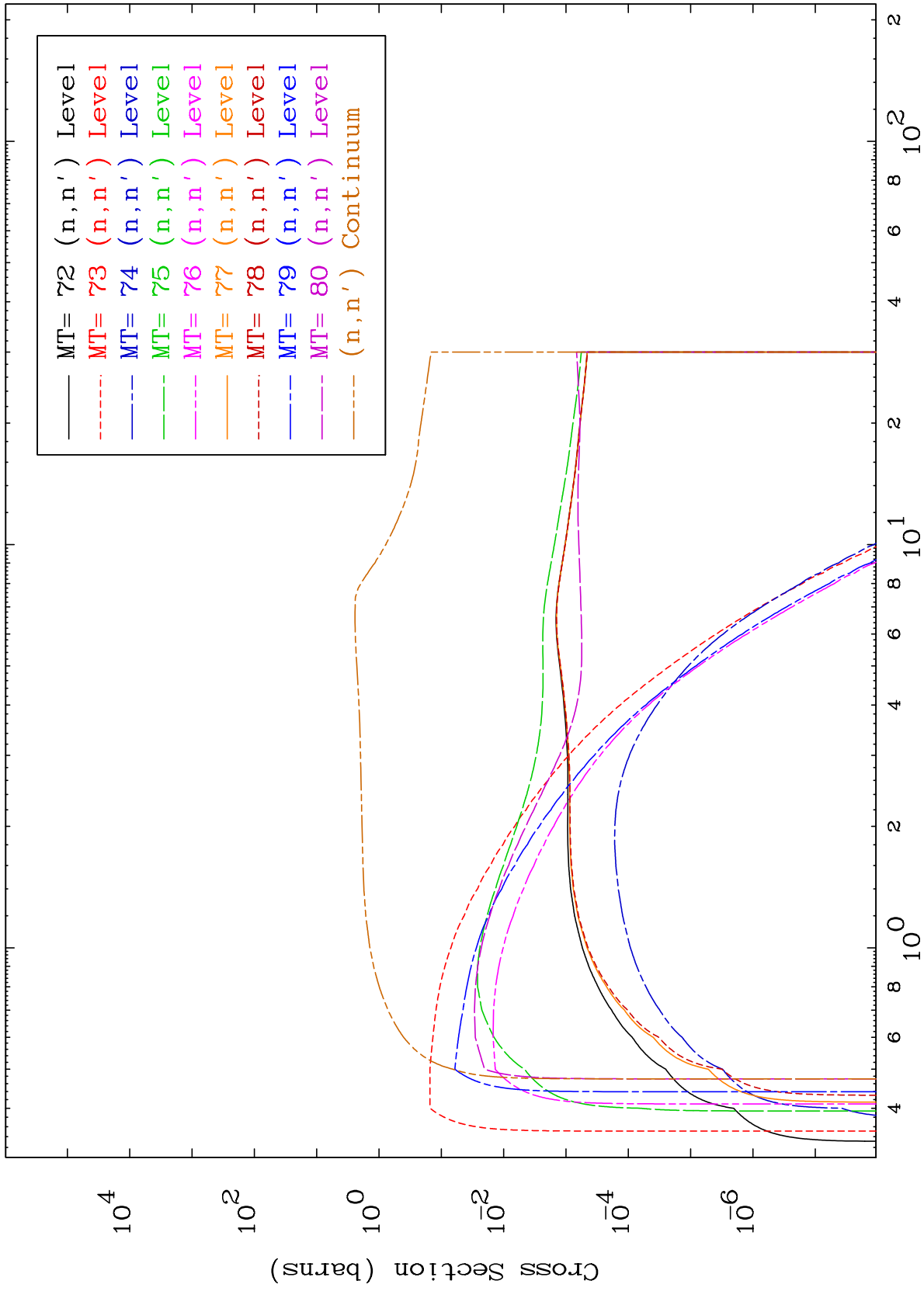
Incident Energy (MeV)

71-Lu-170

MAT 7110

(n,n') Level  
293 Kelvin Cross Sections

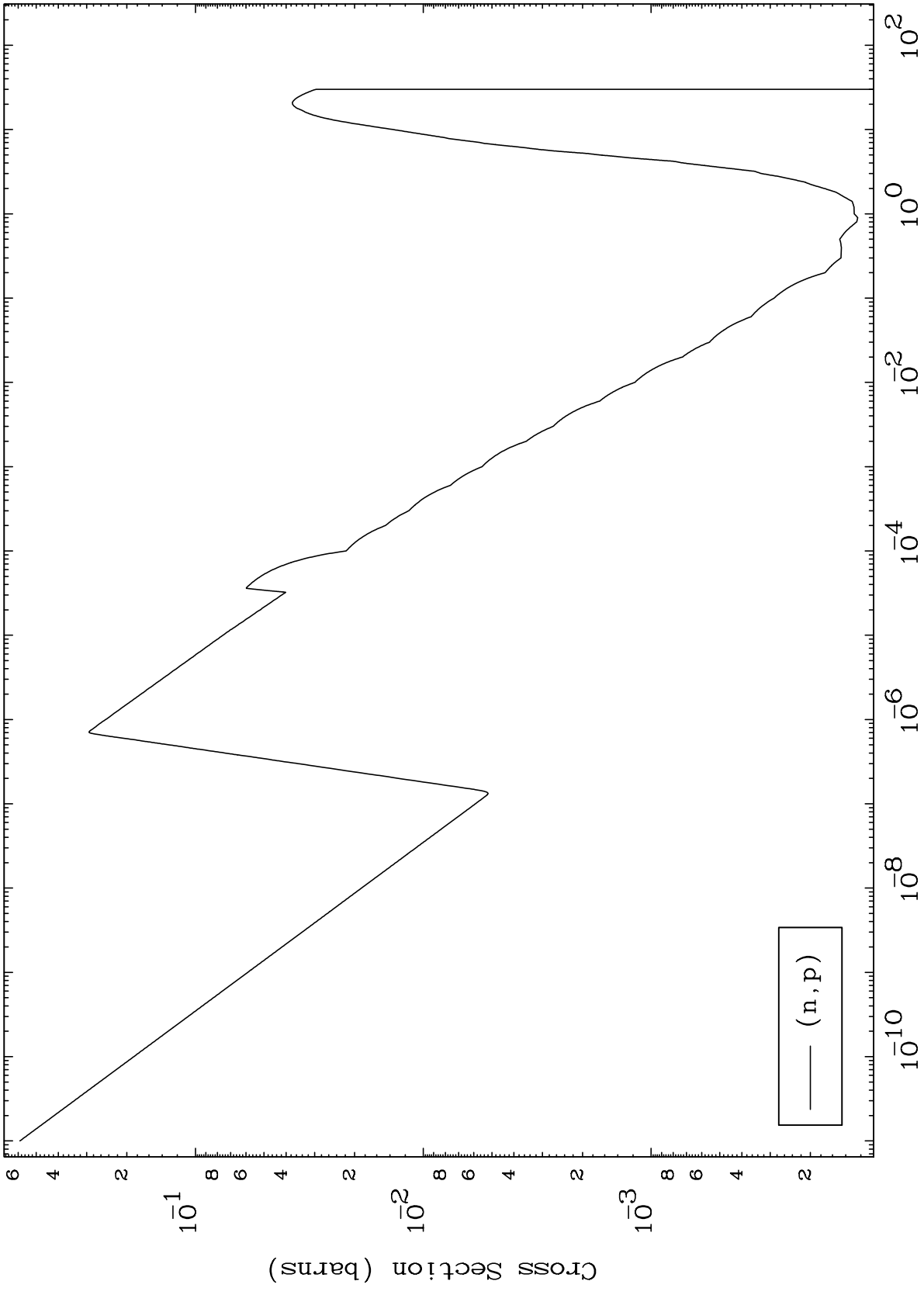
71-Lu-170



MAT 7110

(n,p) Levels  
293 Kelvin Cross Sections

71-Lu-170



10

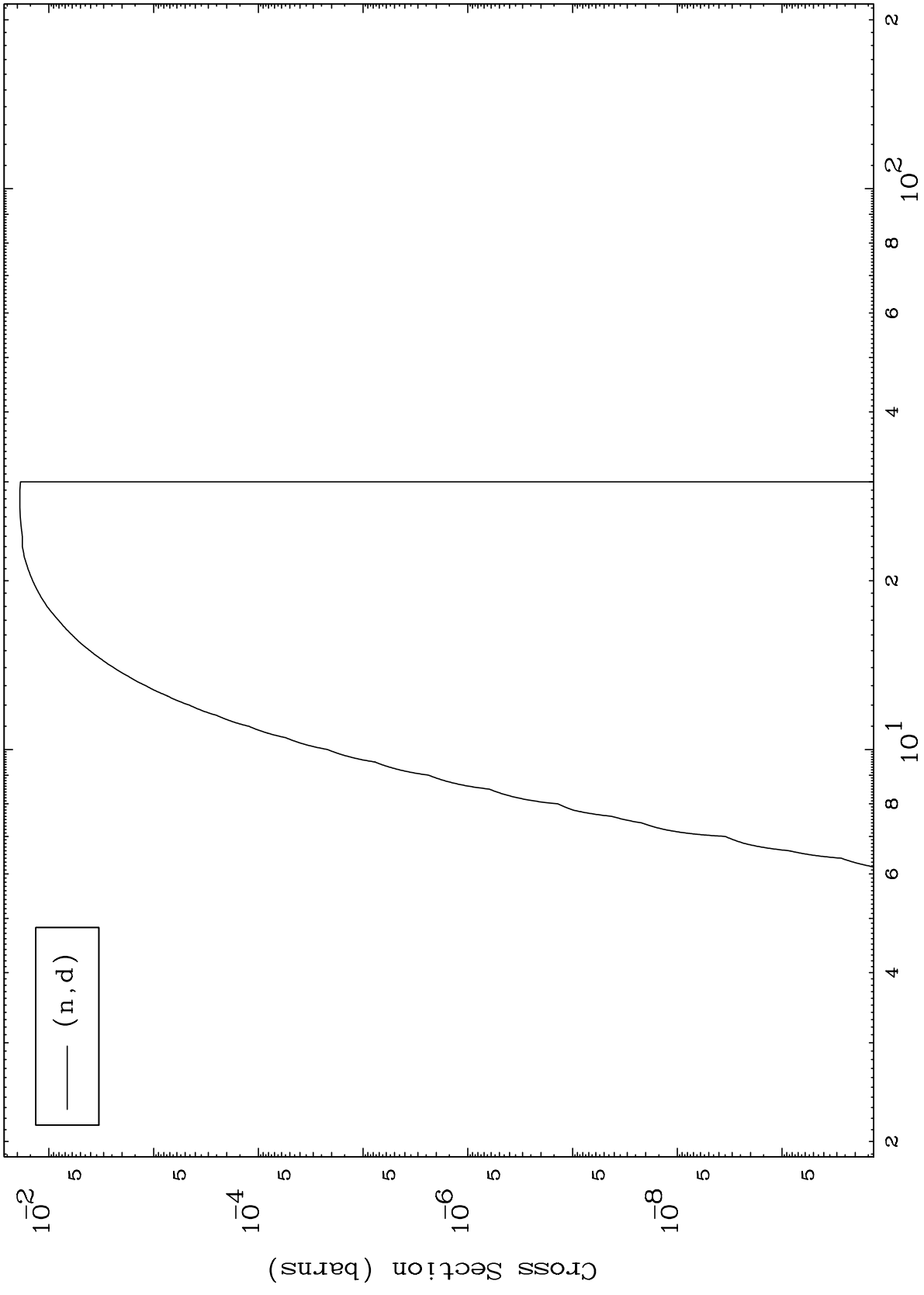
Incident Energy (MeV)

71-Lu-170

MAT 7110

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-170



11

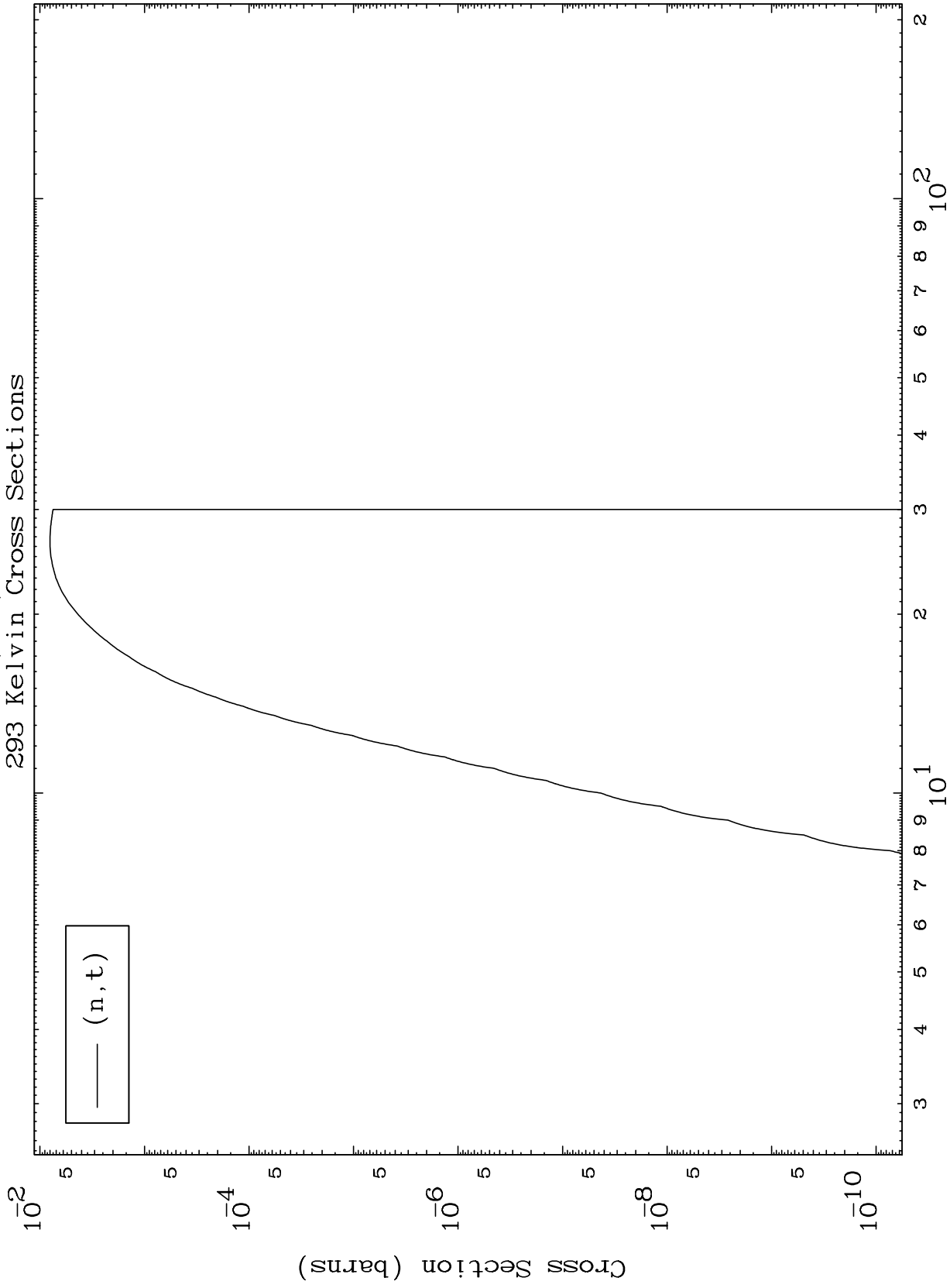
Incident Energy (MeV)

71-Lu-170

MAT 7110

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-170



12

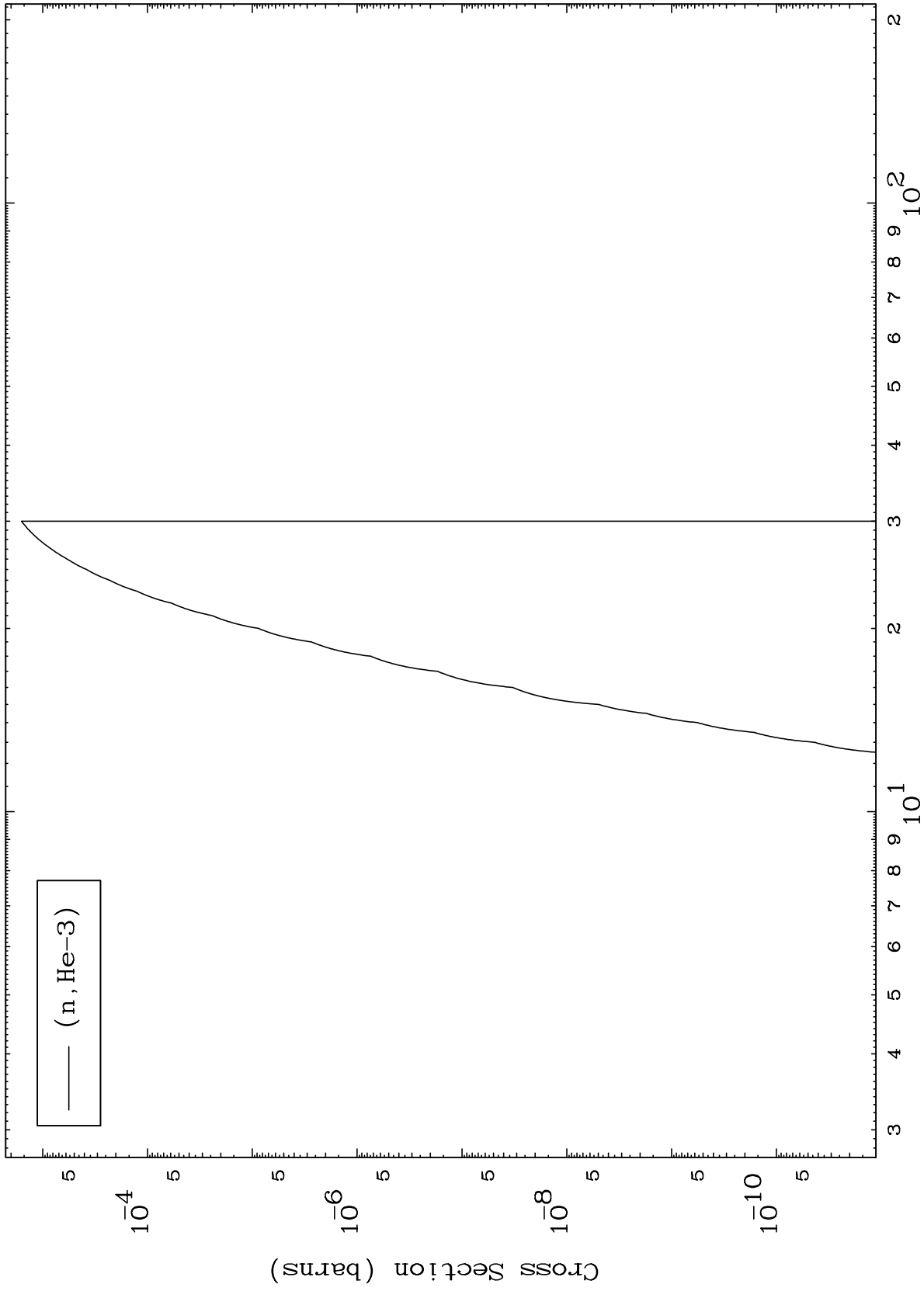
Incident Energy (MeV)

71-Lu-170

MAT 7110

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-170



13

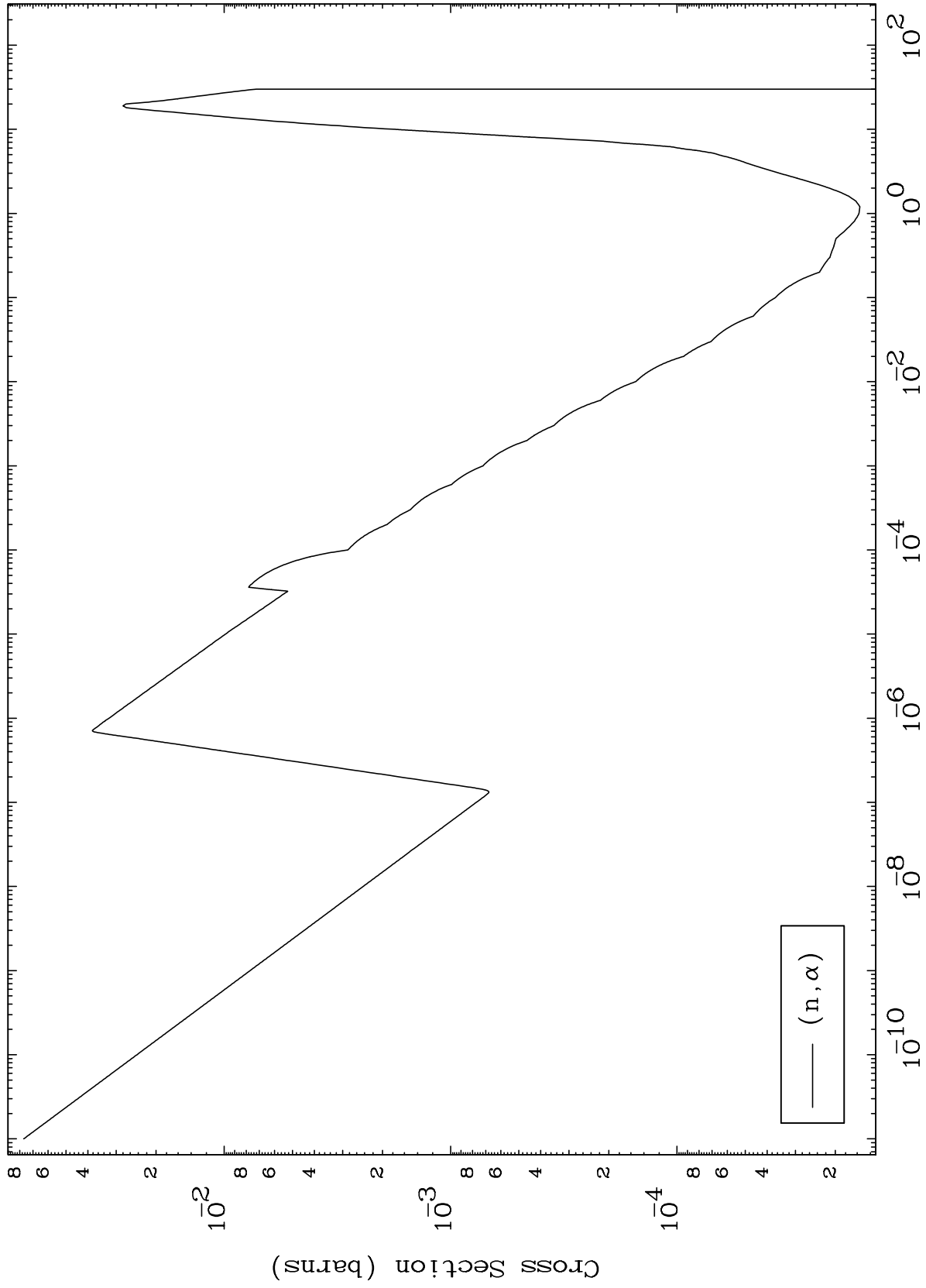
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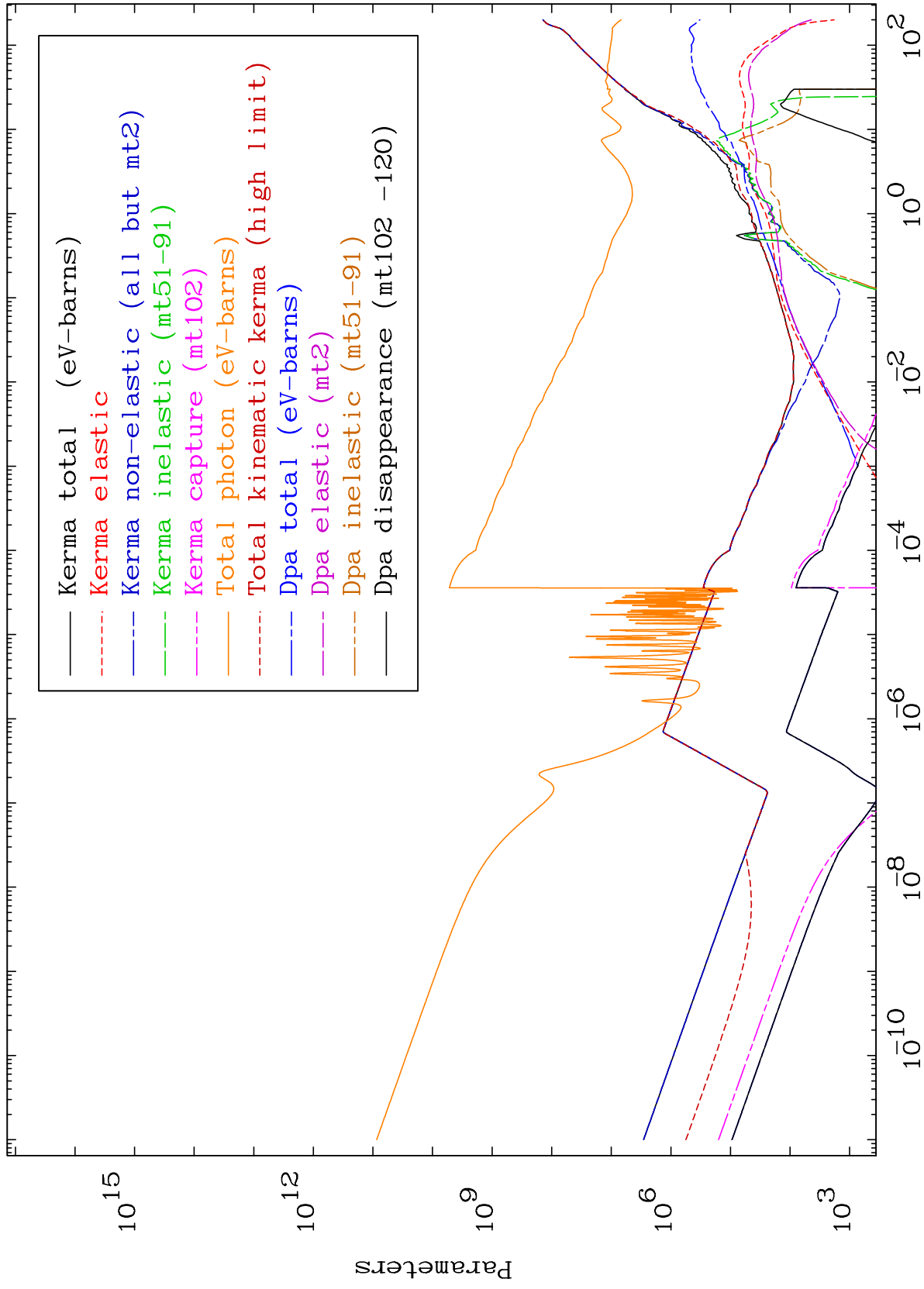
71-Lu-170

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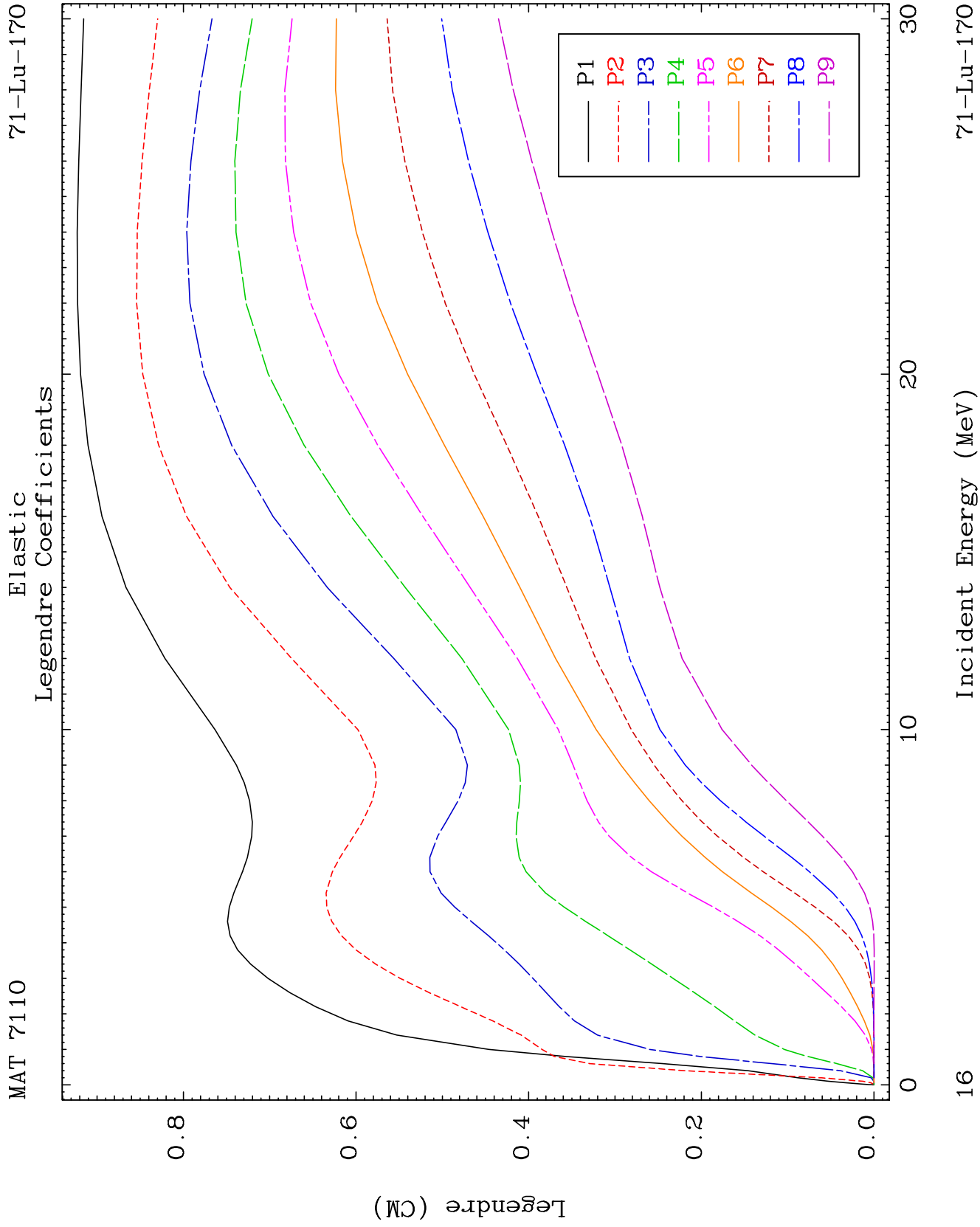
(n,α) Levels  
293 Kelvin Cross Sections

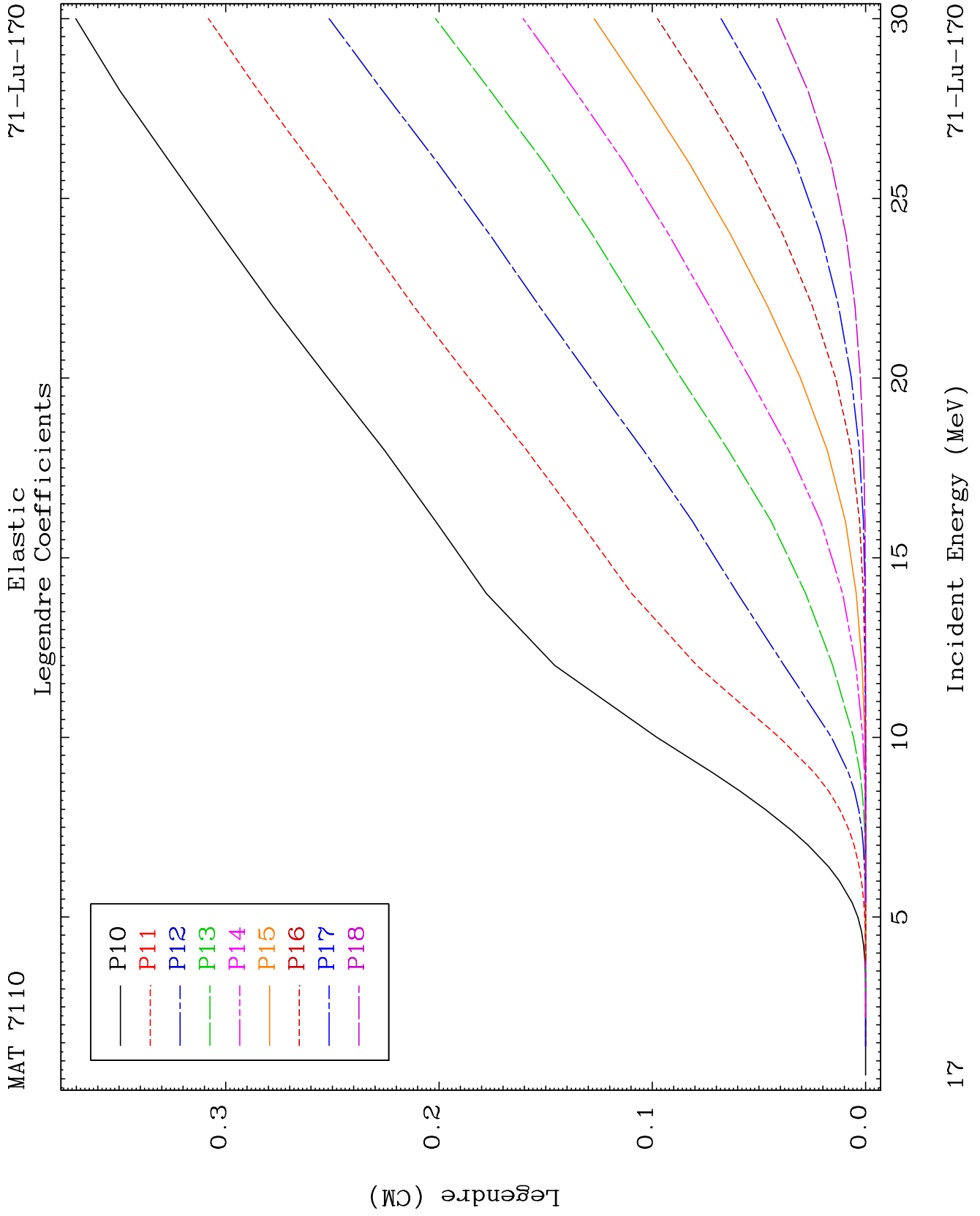
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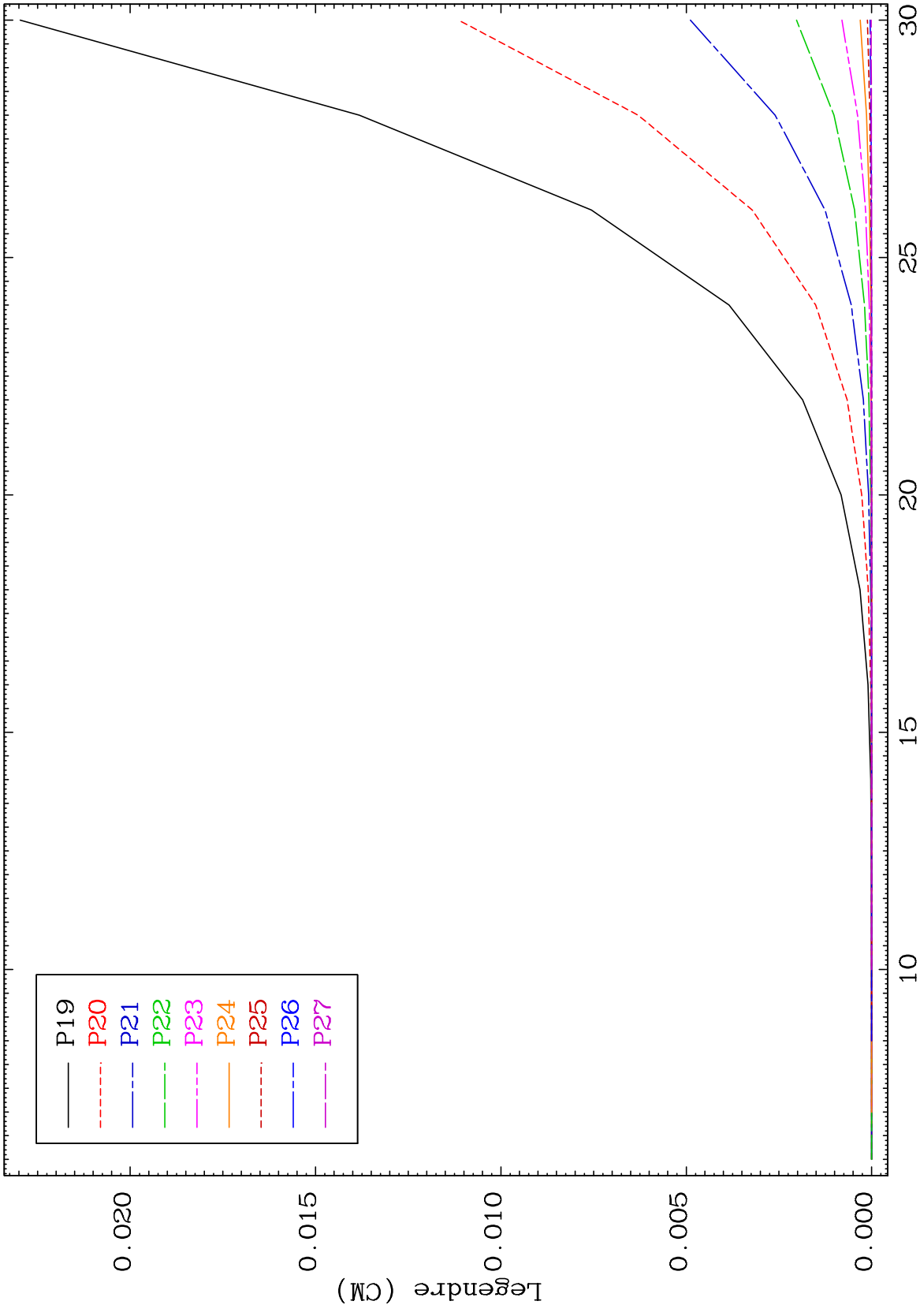




MAT 7110

Elastic Legendre Coefficients

71-Lu-170



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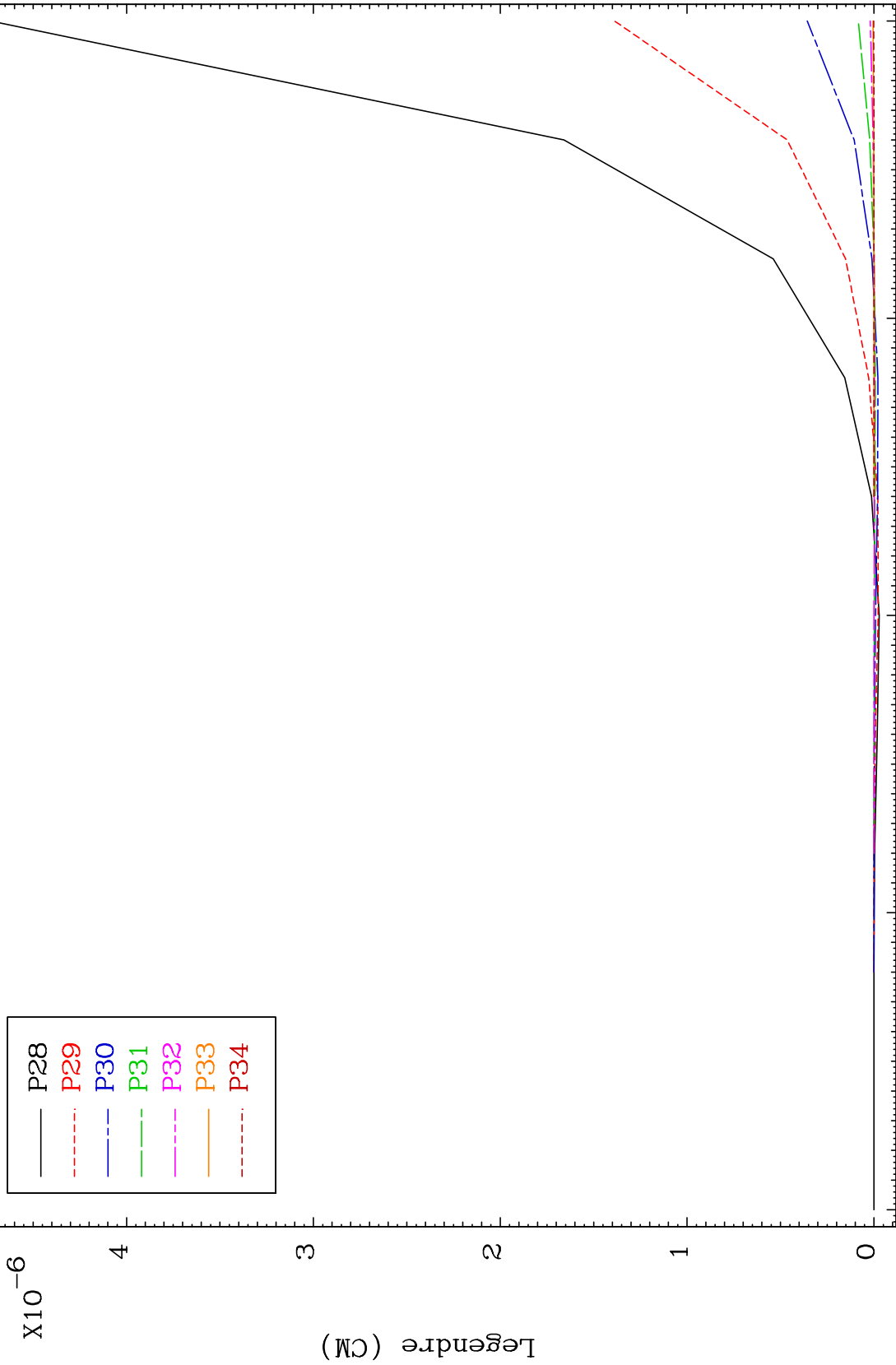
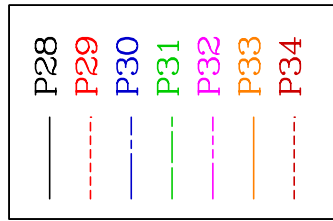
Incident Energy (MeV)

71-Lu-170

MAT 7110

Elastic Legendre Coefficients

71-Lu-170

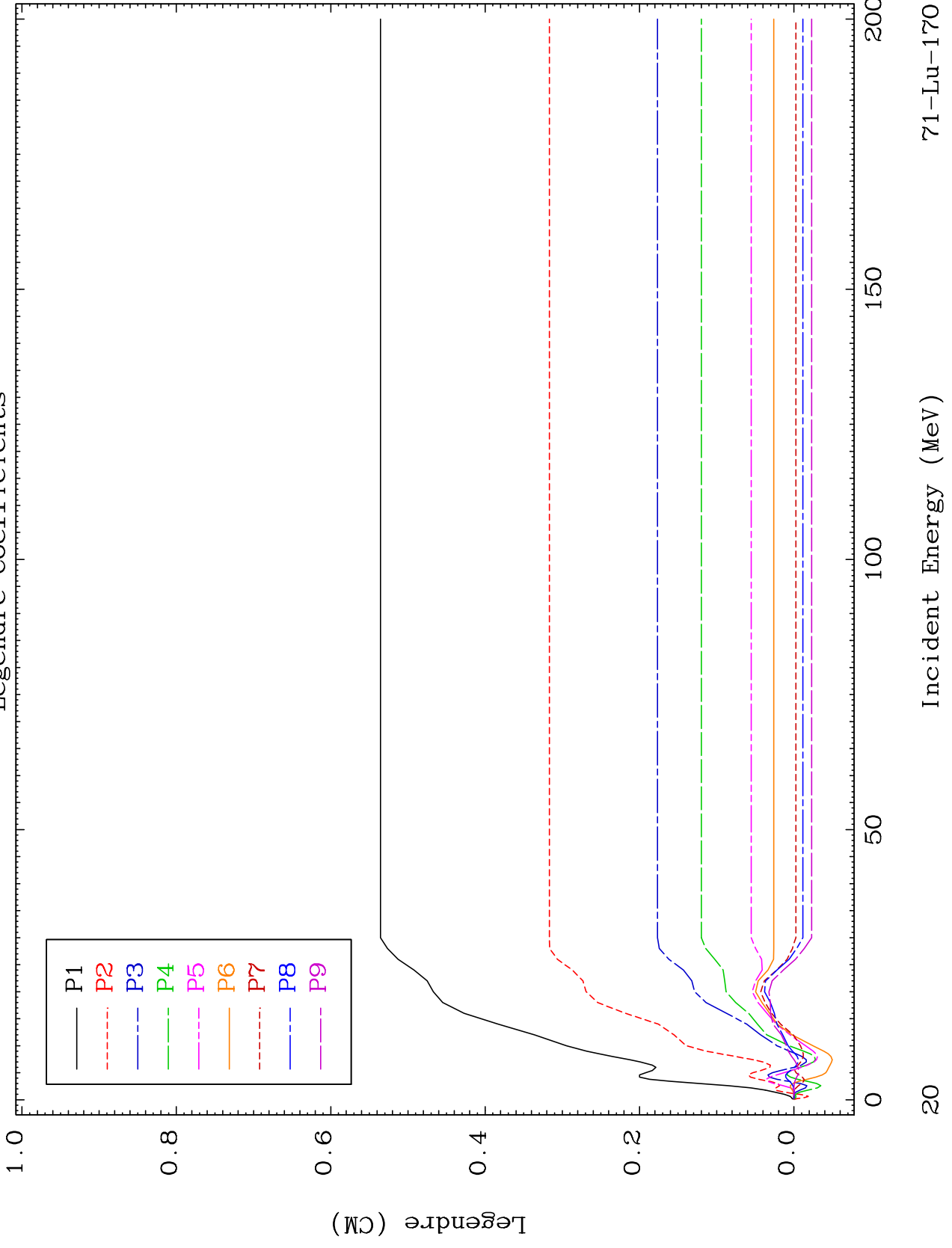


19

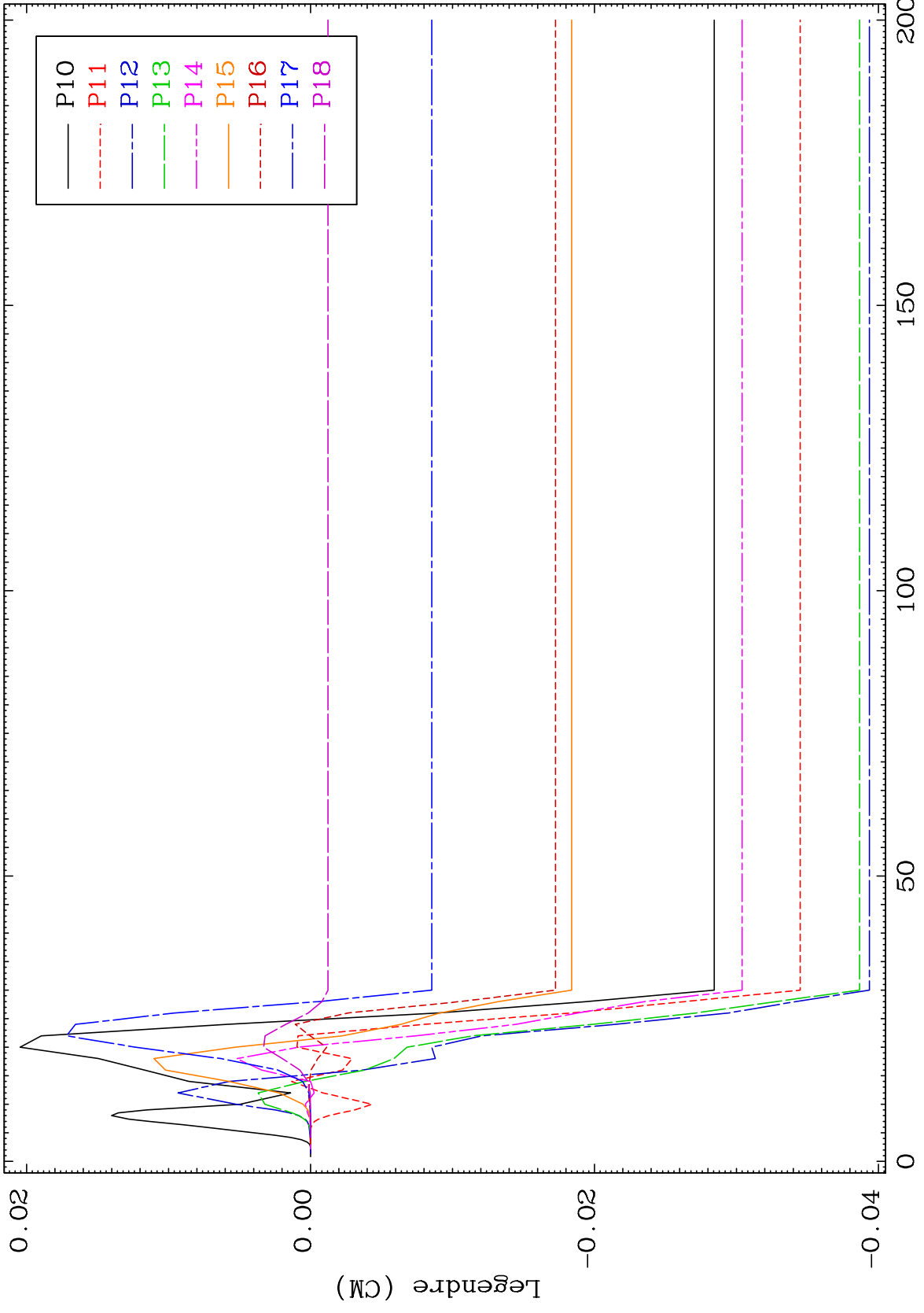
Incident Energy (MeV)

71-Lu-170

MAT 7110 MT= 51 (n,n') Level Legendre Coefficients 71-Lu-170



MAT 7110 MT= 51 (n,n') Level Legendre Coefficients 71-Lu-170

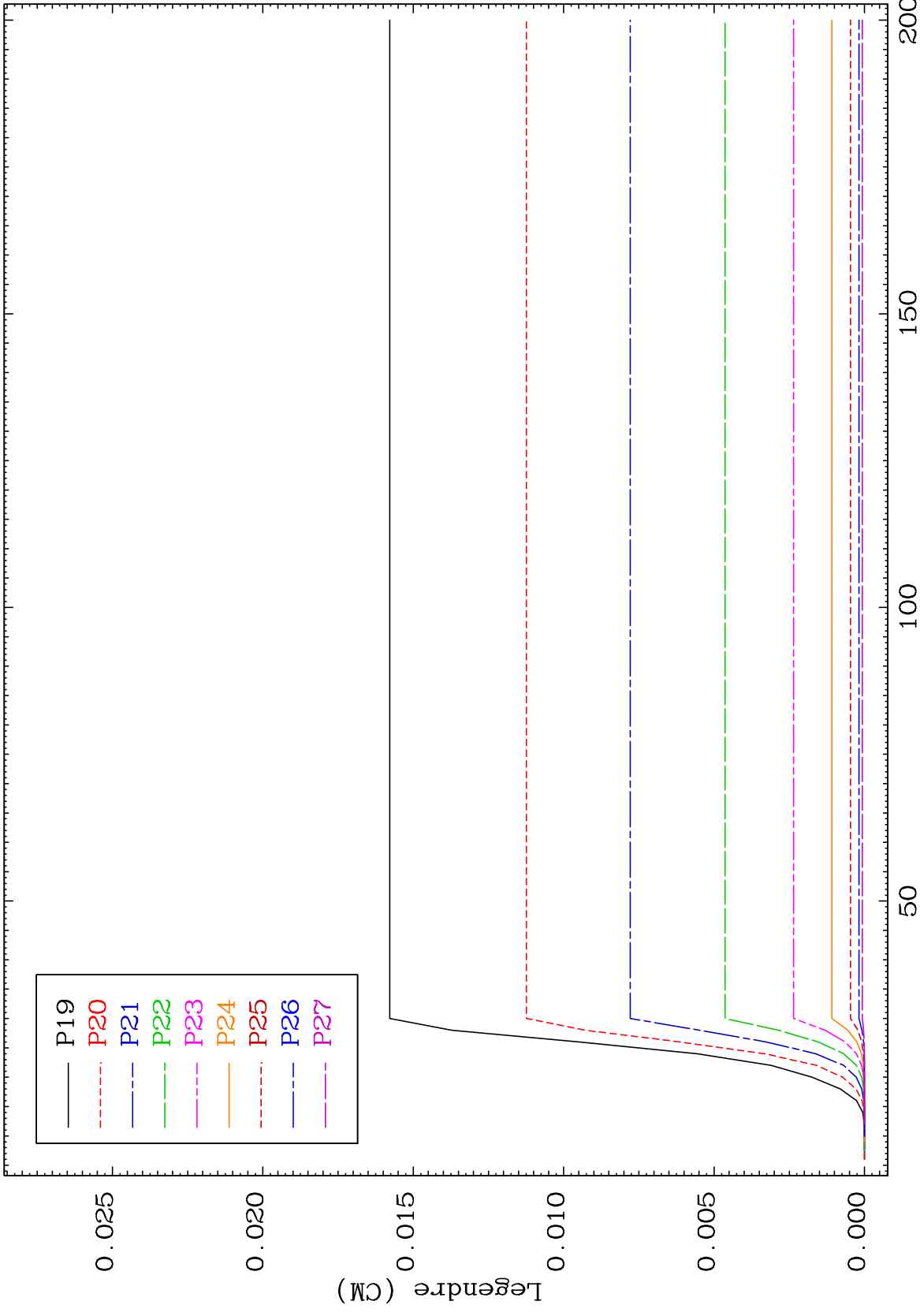


21 71-Lu-170

MAT 7110

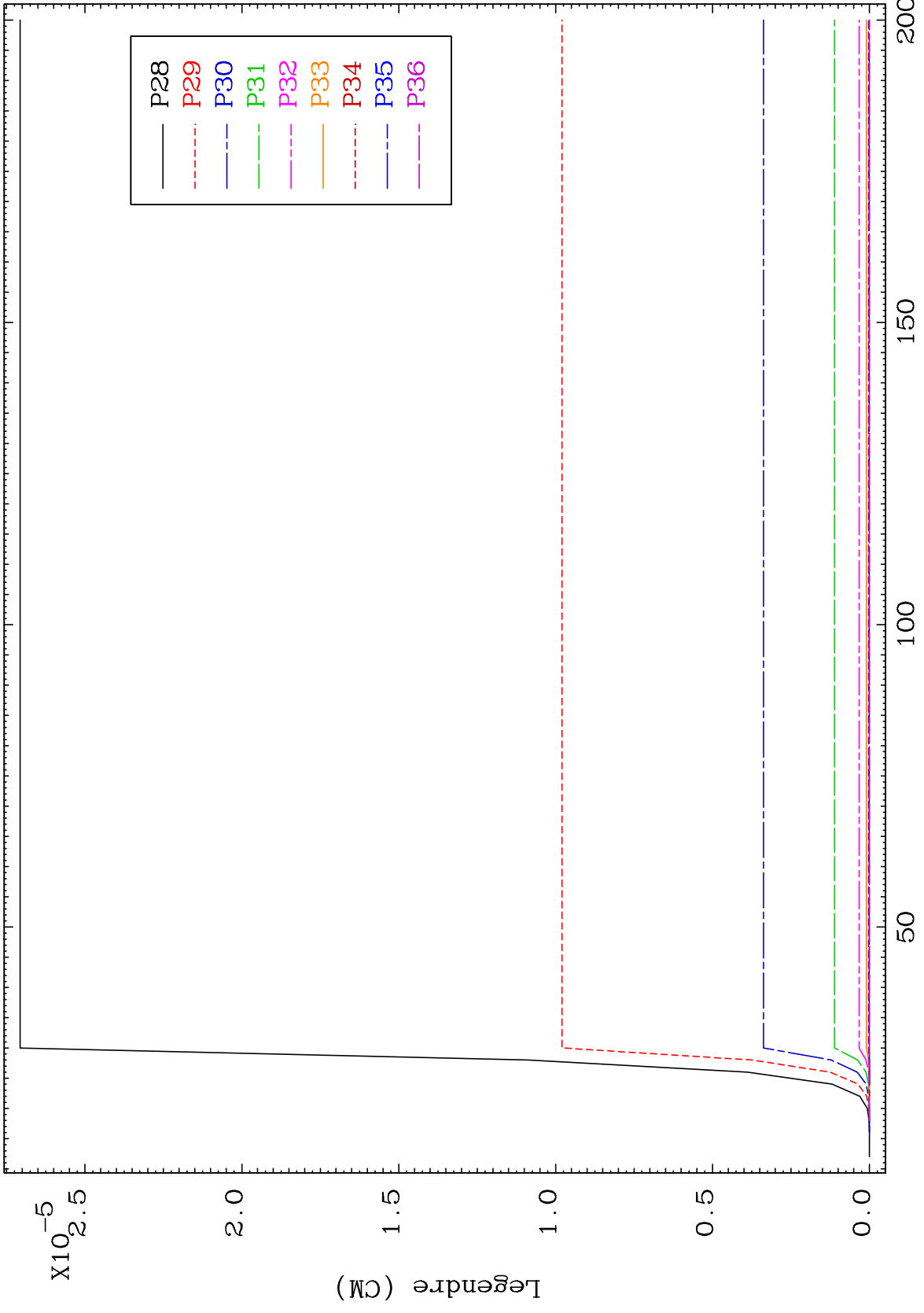
MT= 51 (n,n') Level  
Legendre Coefficients

71-Lu-170



22

71-Lu-170

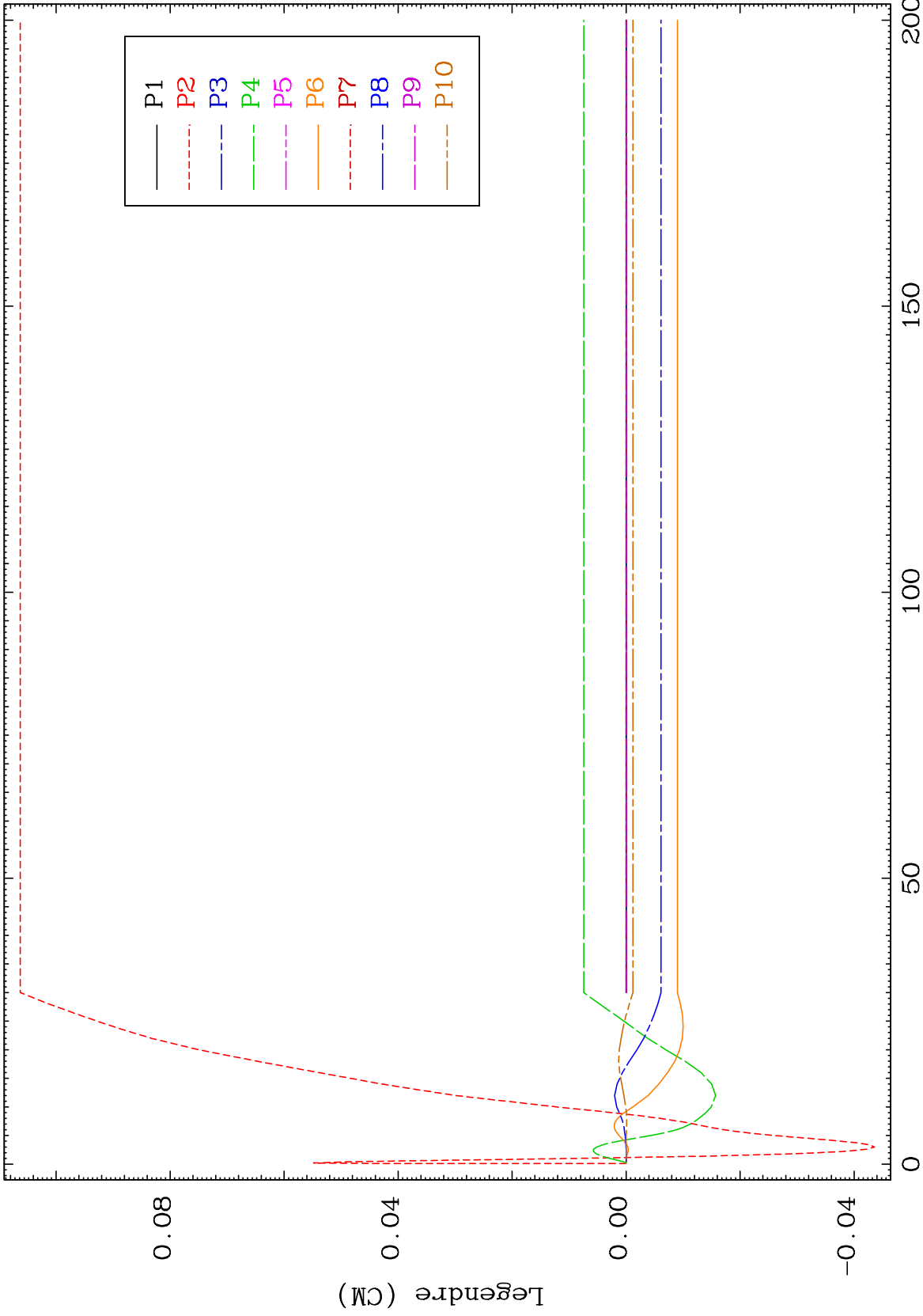




MAT 7110

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

71-Lu-170

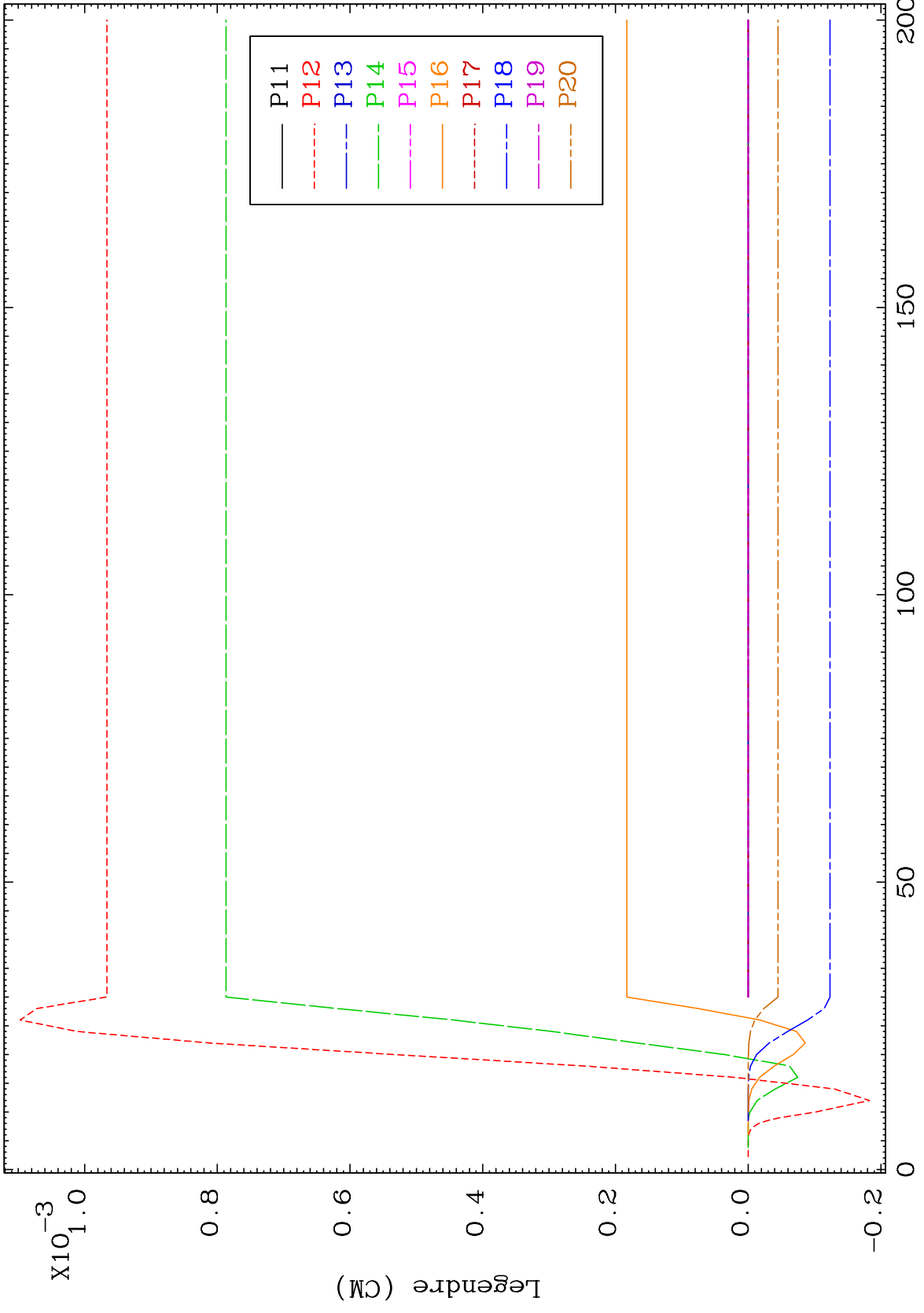


24

Incident Energy (MeV)

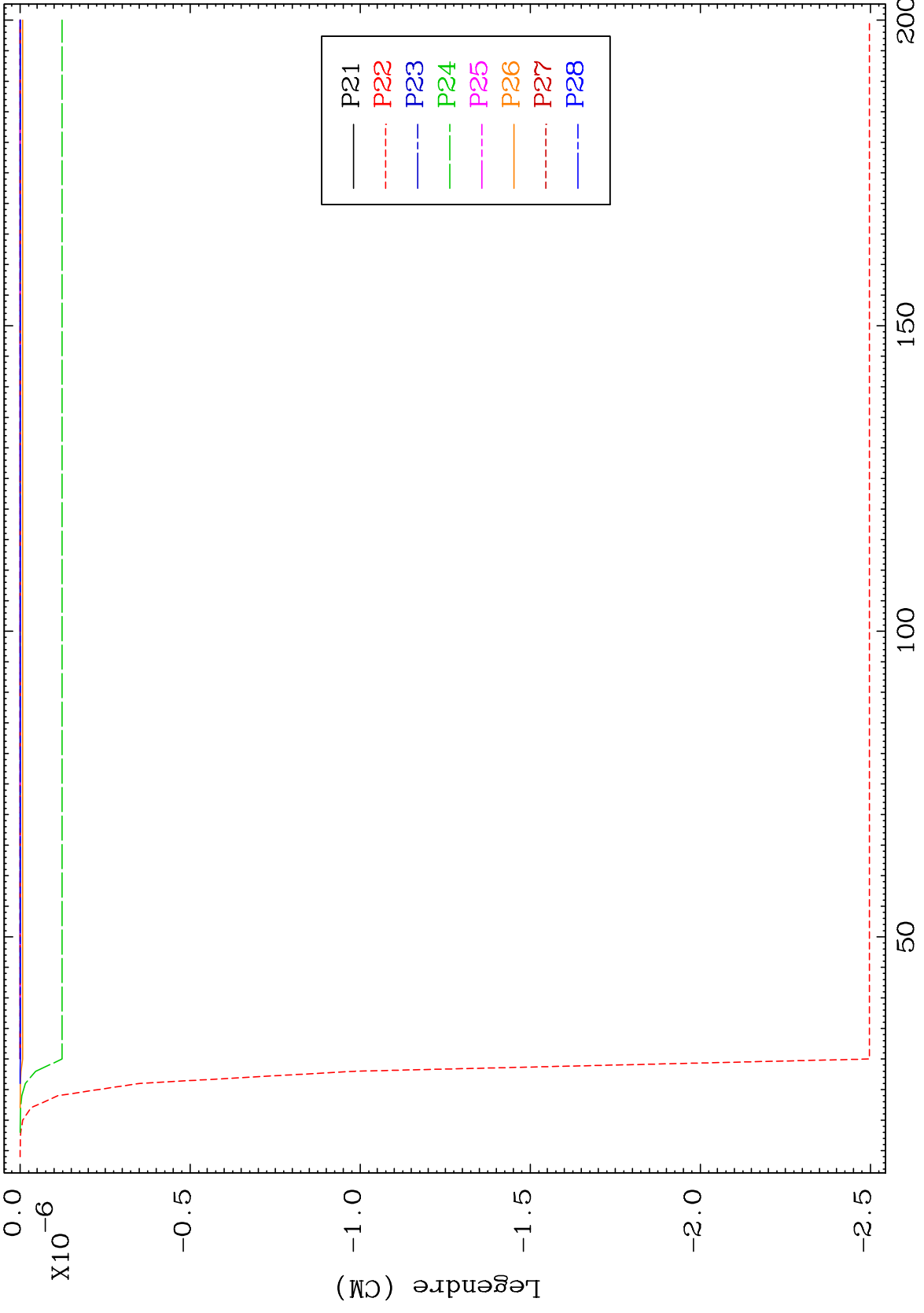
71-Lu-170

MAT 7110 MT= 52 (n,n') Level Legendre Coefficients 71-Lu-170



71-Lu-170

MAT 7110 MT= 52 (n, n') Level Legendre Coefficients 71-Lu-170

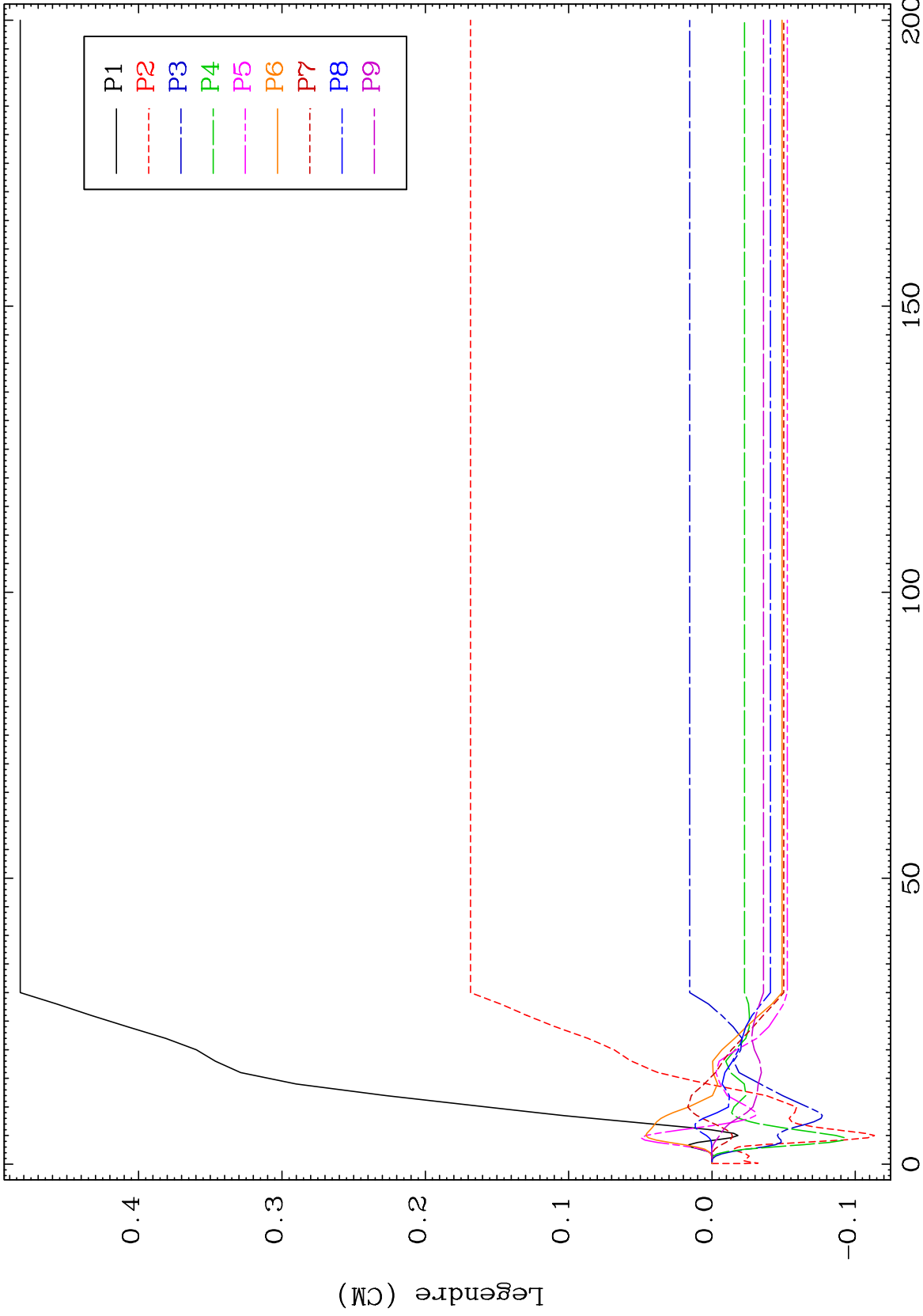


26 71-Lu-170

MAT 7110

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

71-Lu-170

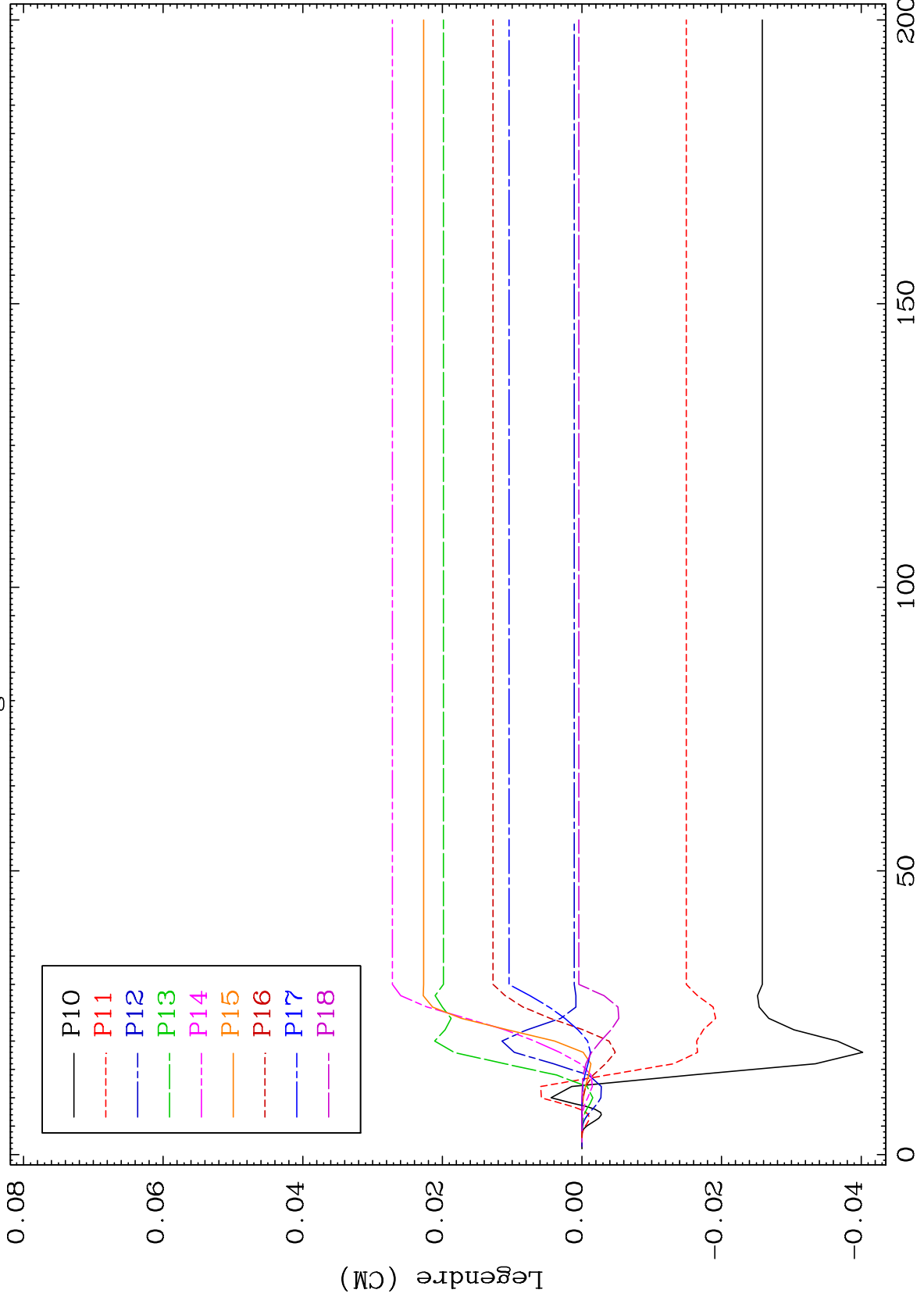


27

Incident Energy (MeV)

71-Lu-170

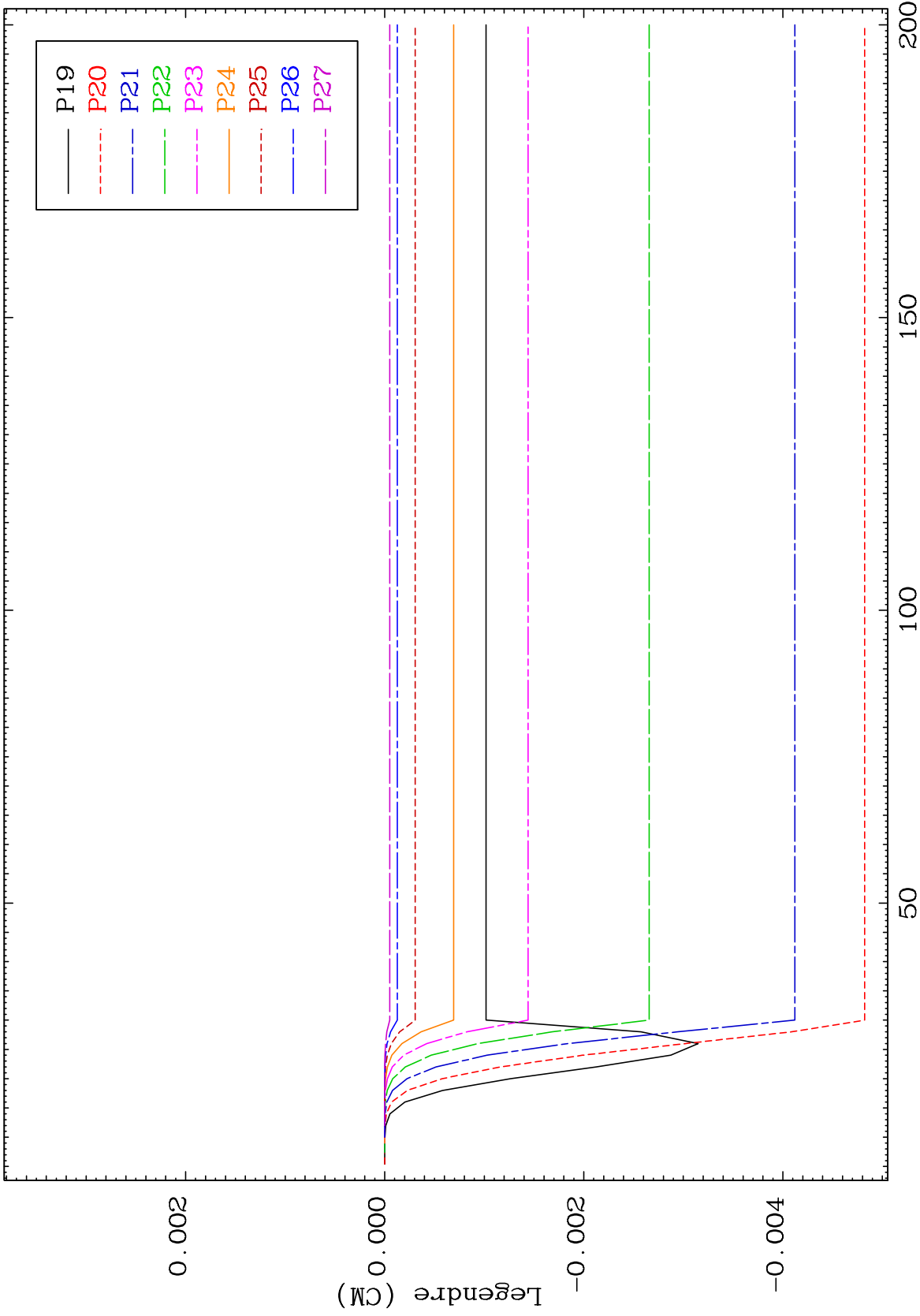
MAT 7110 MT= 53 (n,n') Level Legendre Coefficients 71-Lu-170



MAT 7110

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

71-Lu-170

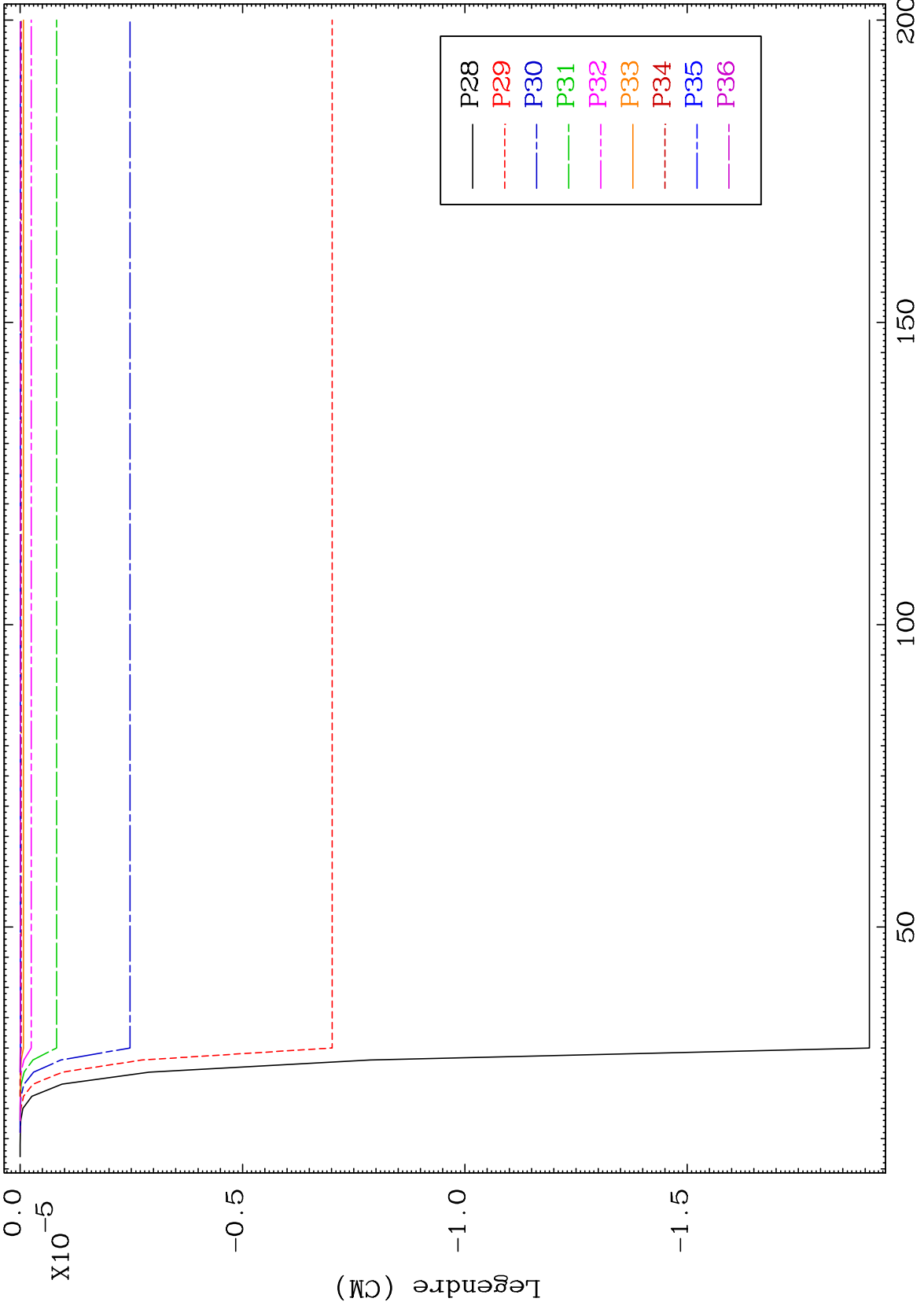


29

Incident Energy (MeV)

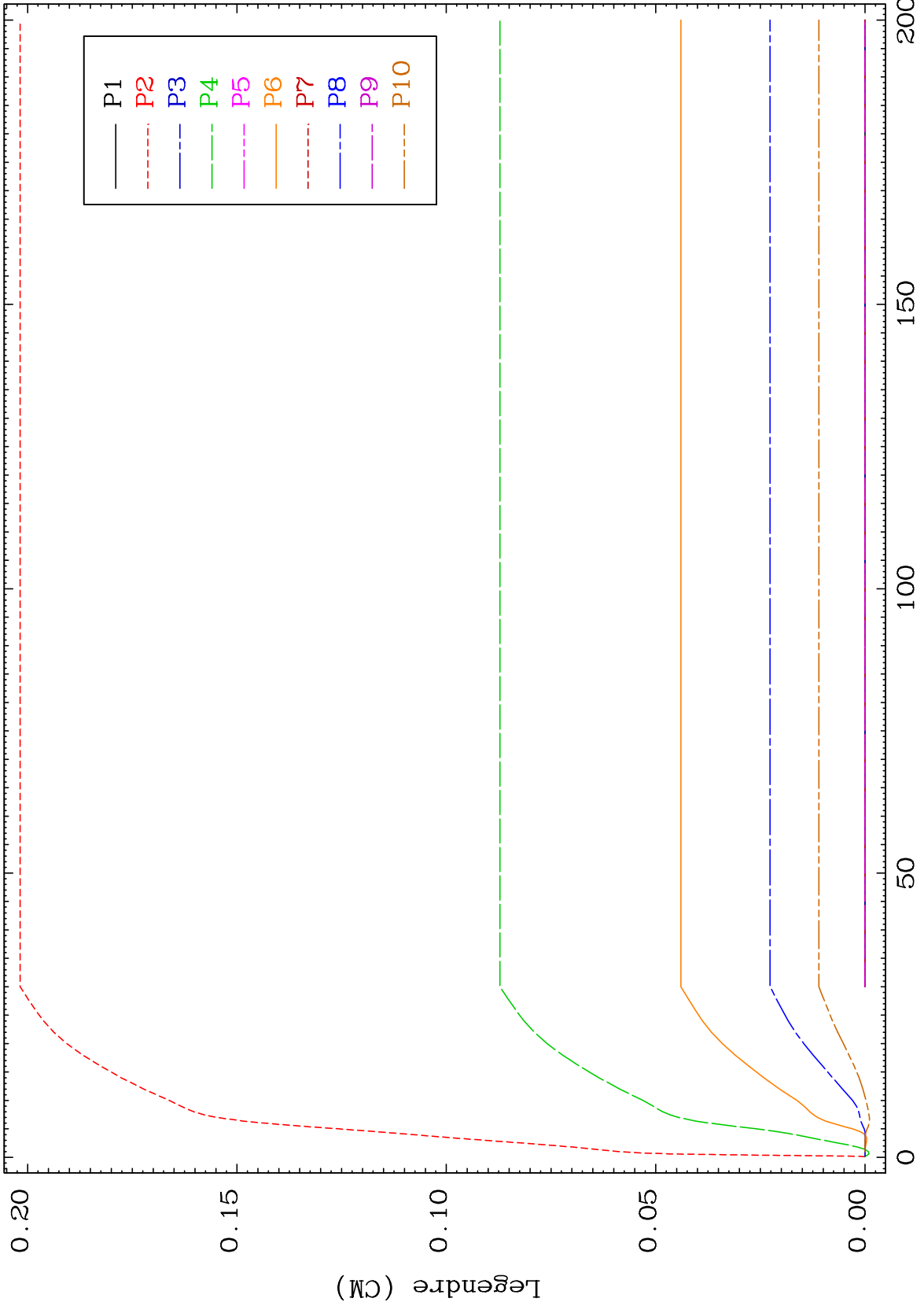
71-Lu-170

MAT 7110 MT= 53 (n,n') Level Legendre Coefficients 71-Lu-170



30 Incident Energy (MeV) 71-Lu-170

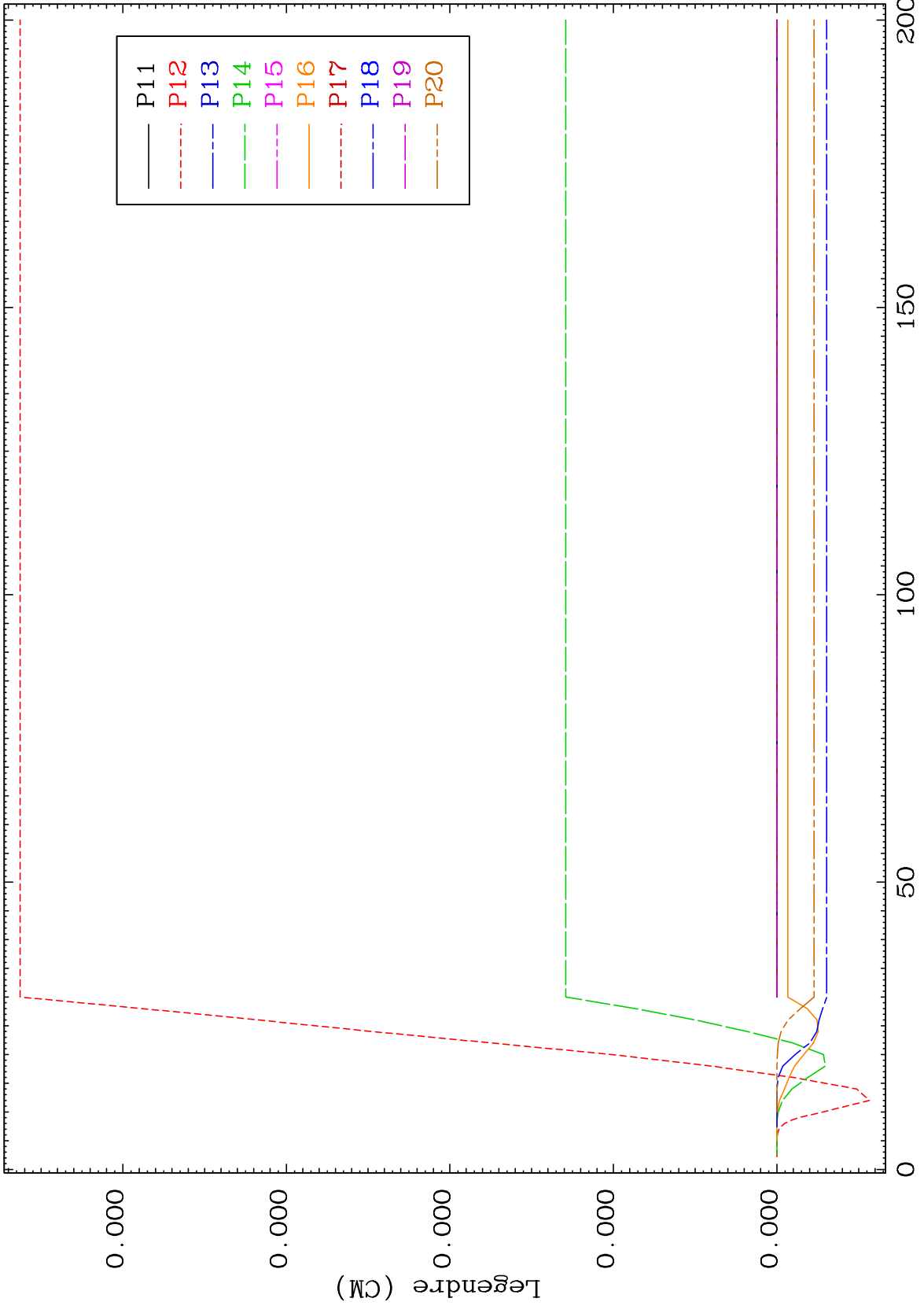
MAT 7110 MT= 54 (n,n') Level Legendre Coefficients 71-Lu-170



31 71-Lu-170

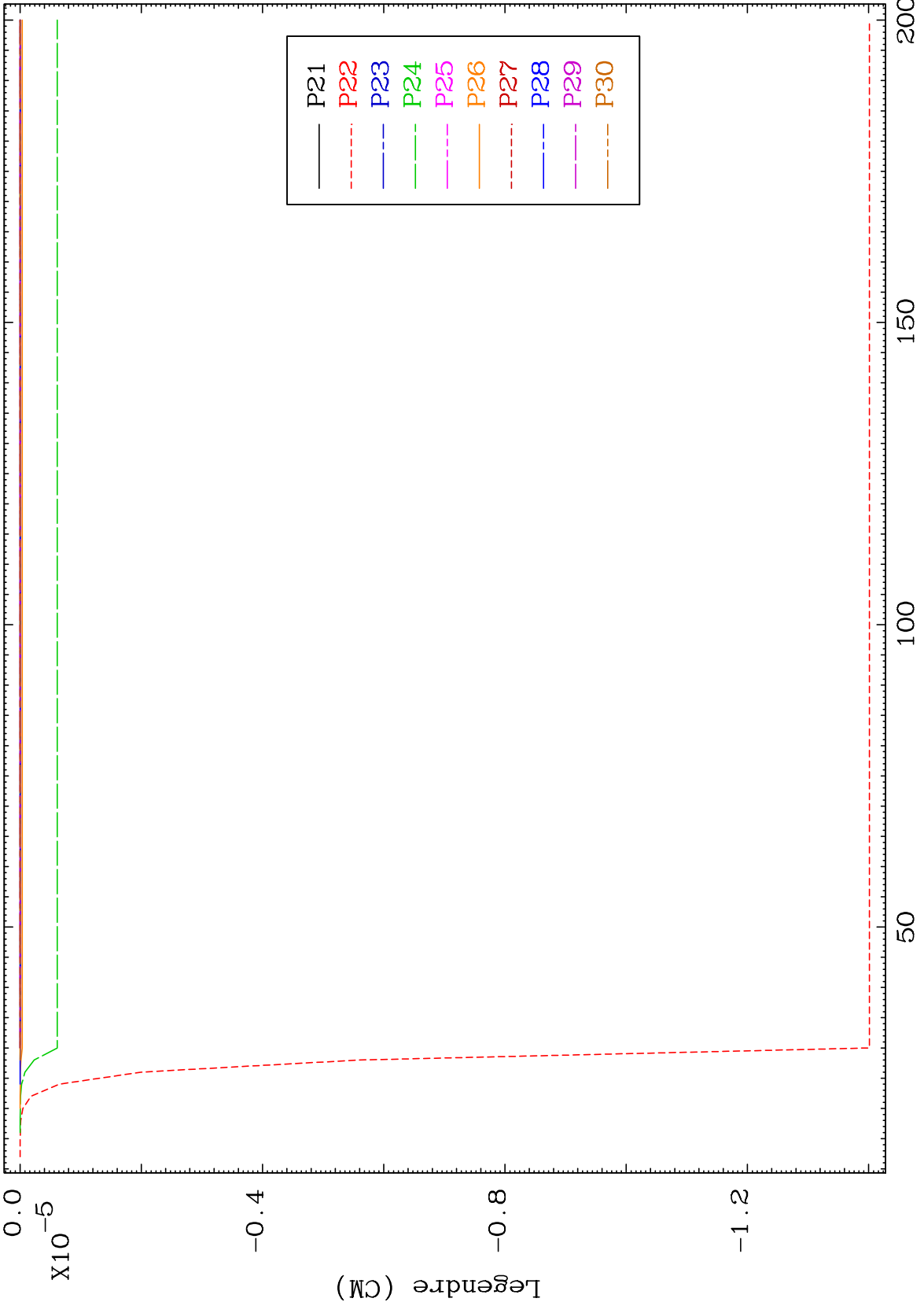


MAT 7110 MT= 54 (n,n') Level Legendre Coefficients 71-Lu-170

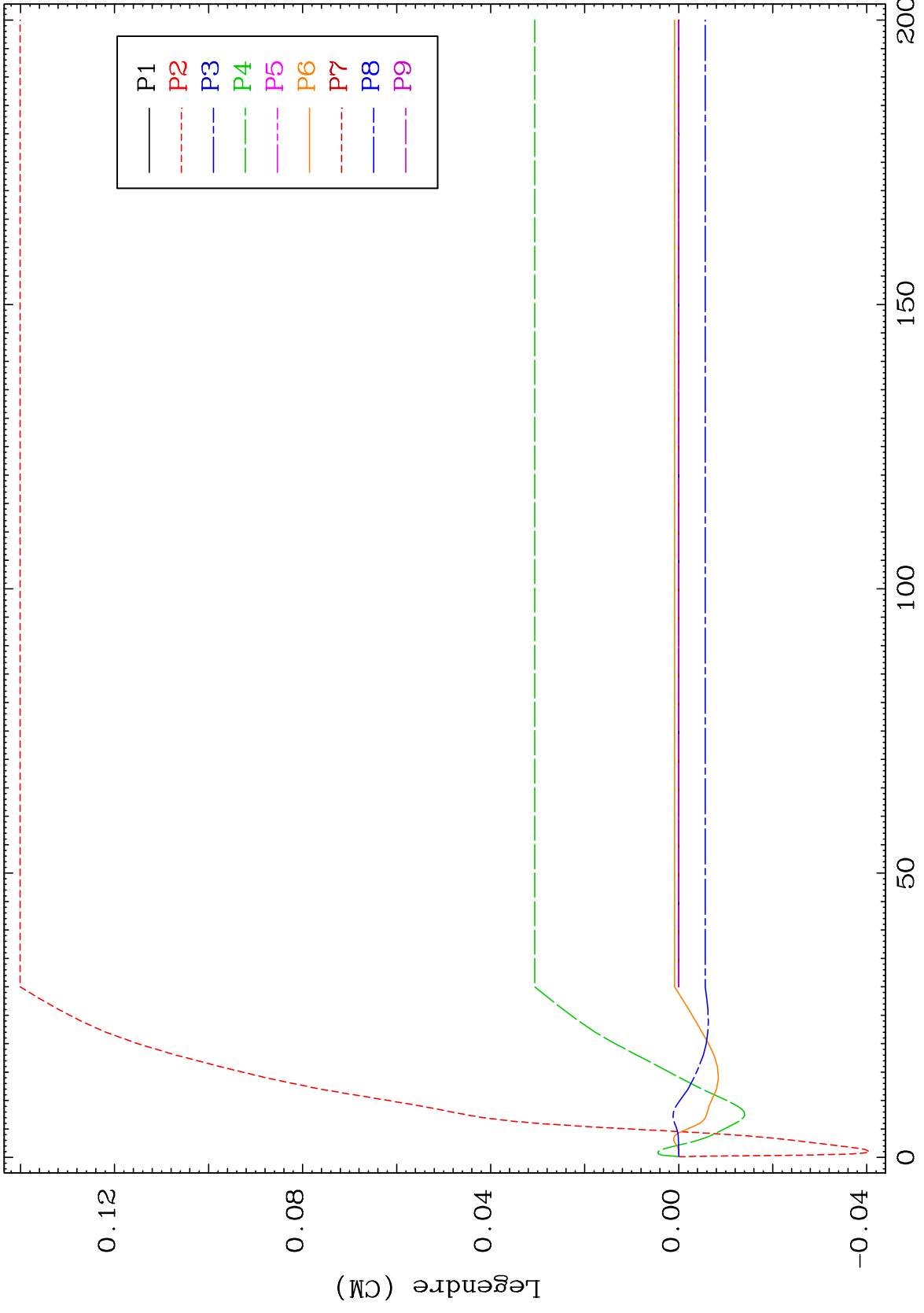


32 71-Lu-170

MAT 7110 MT= 54 (n,n') Level Legendre Coefficients 71-Lu-170

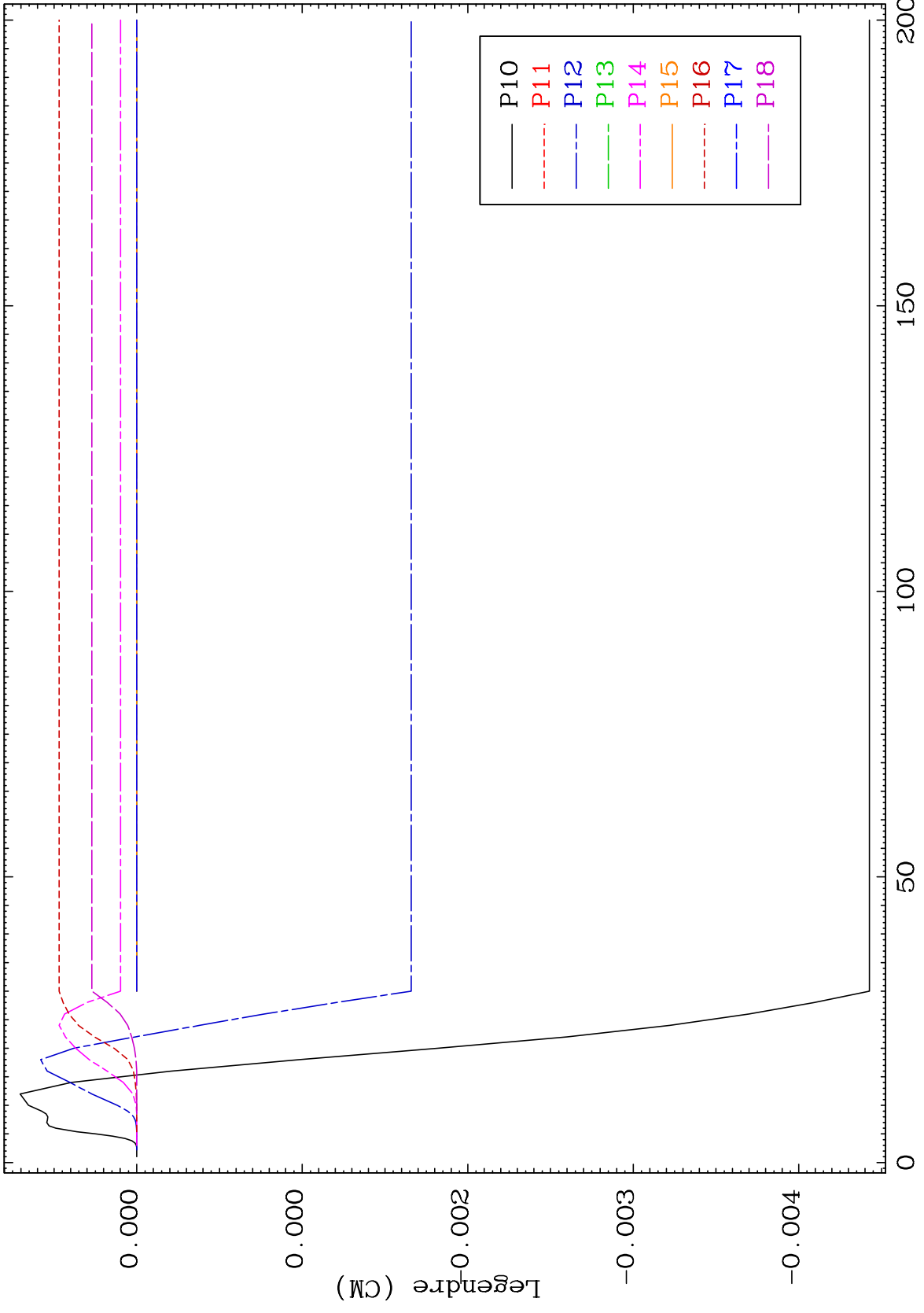


MAT 7110 MT= 55 (n,n') Level Legendre Coefficients 71-Lu-170



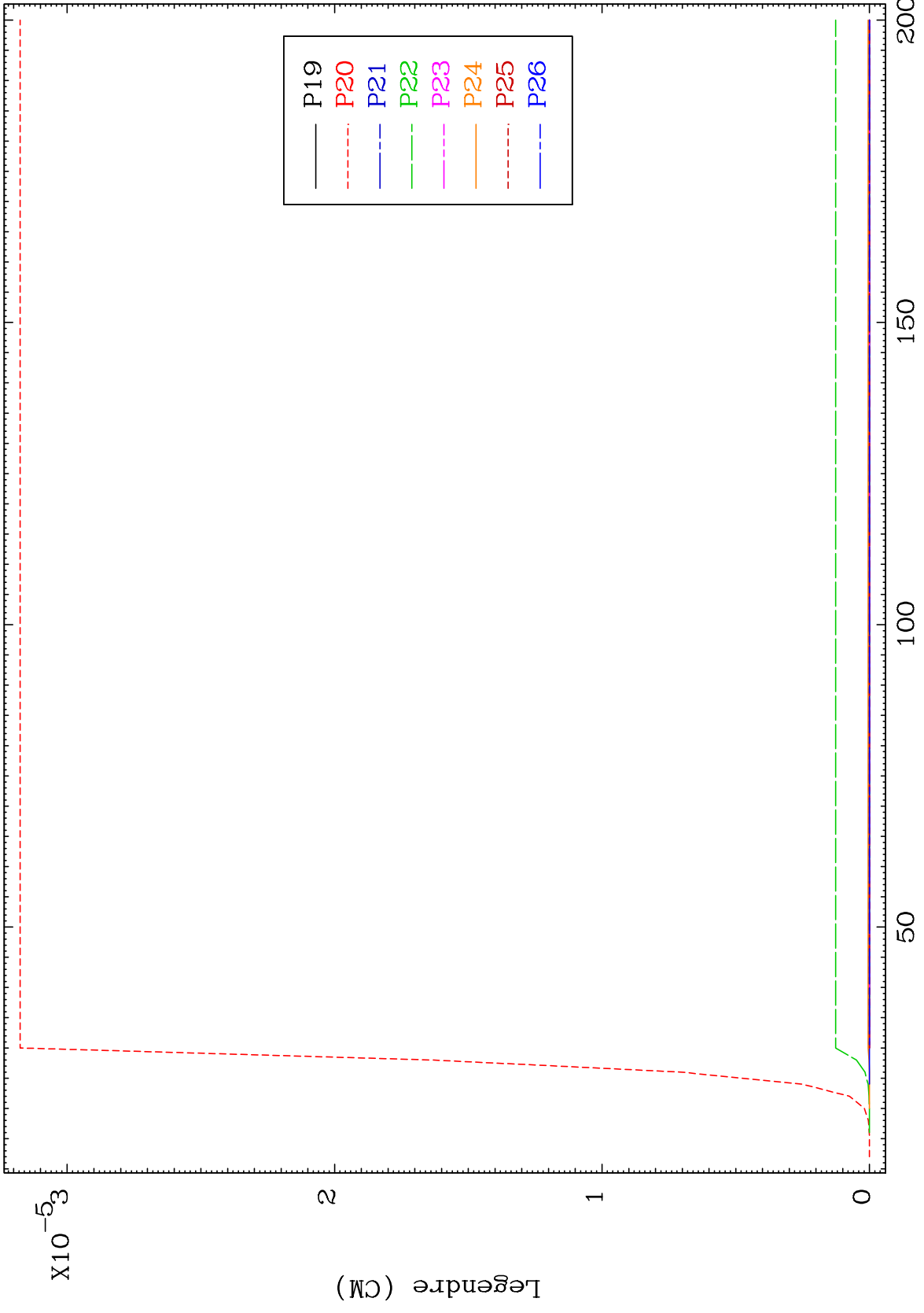
34 71-Lu-170

MAT 7110 MT= 55 (n,n') Level Legendre Coefficients 71-Lu-170

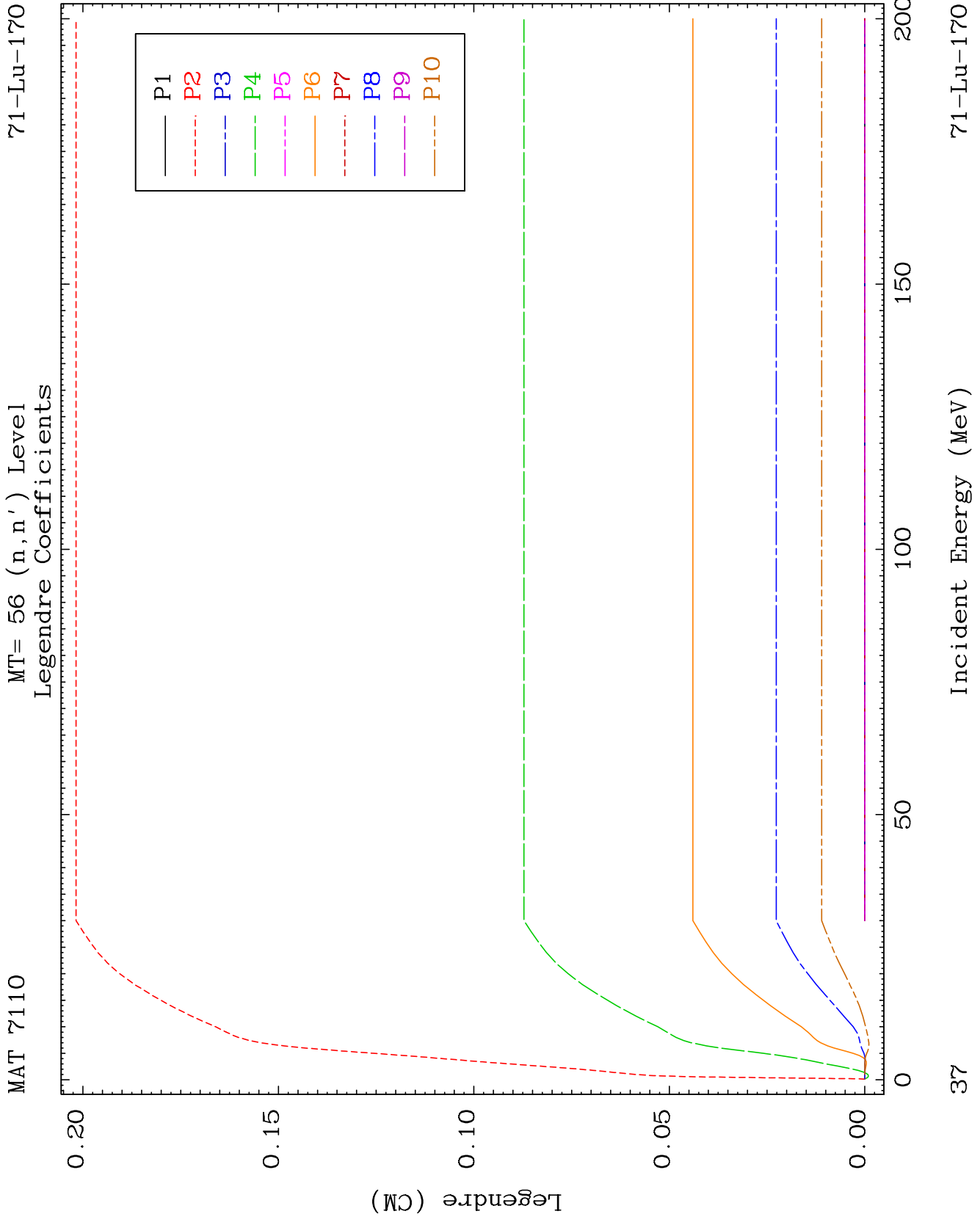


35 Incident Energy (MeV) 71-Lu-170

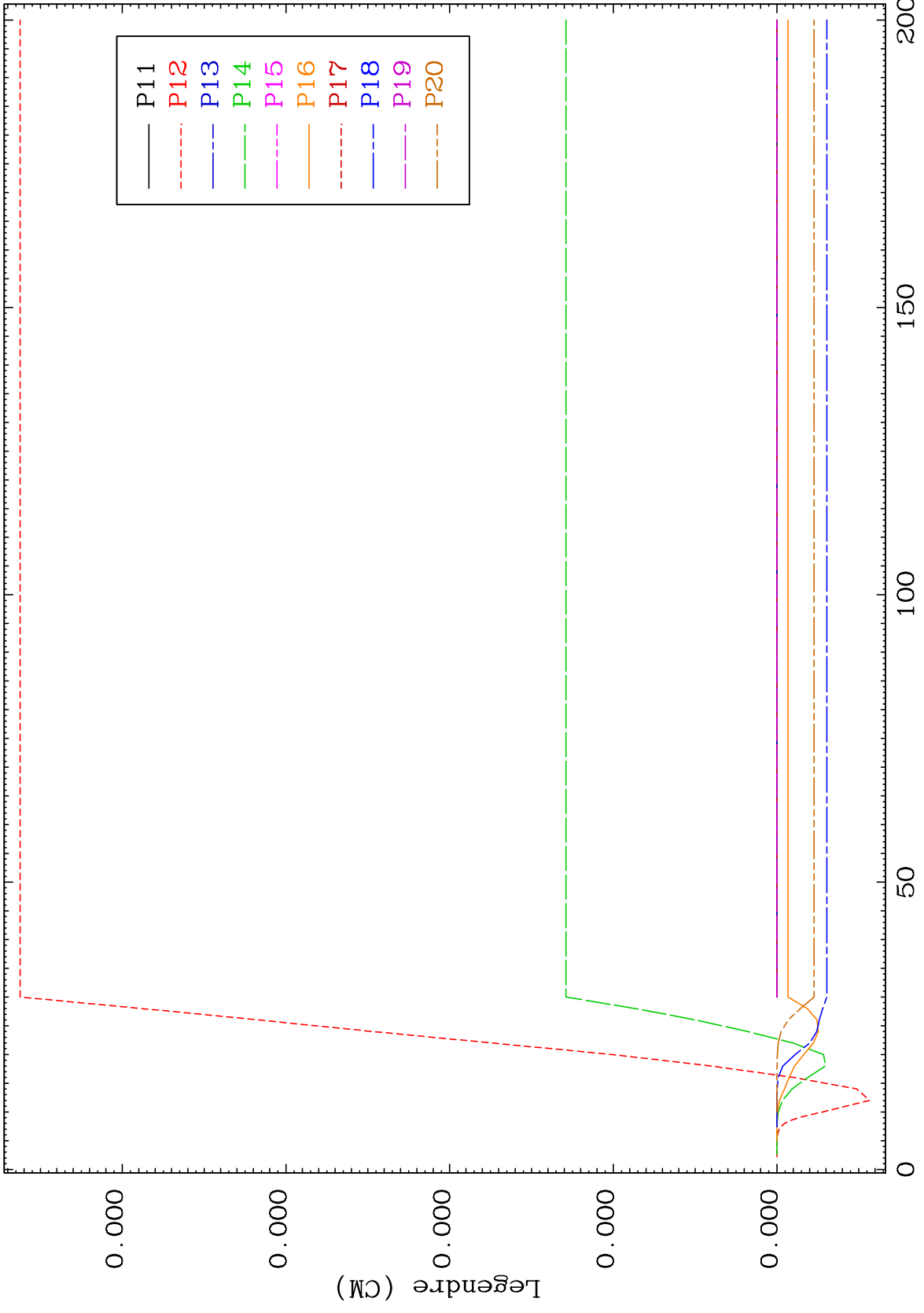
MAT 7110 MT= 55 (n,n') Level Legendre Coefficients 71-Lu-170



36 Incident Energy (MeV) 71-Lu-170

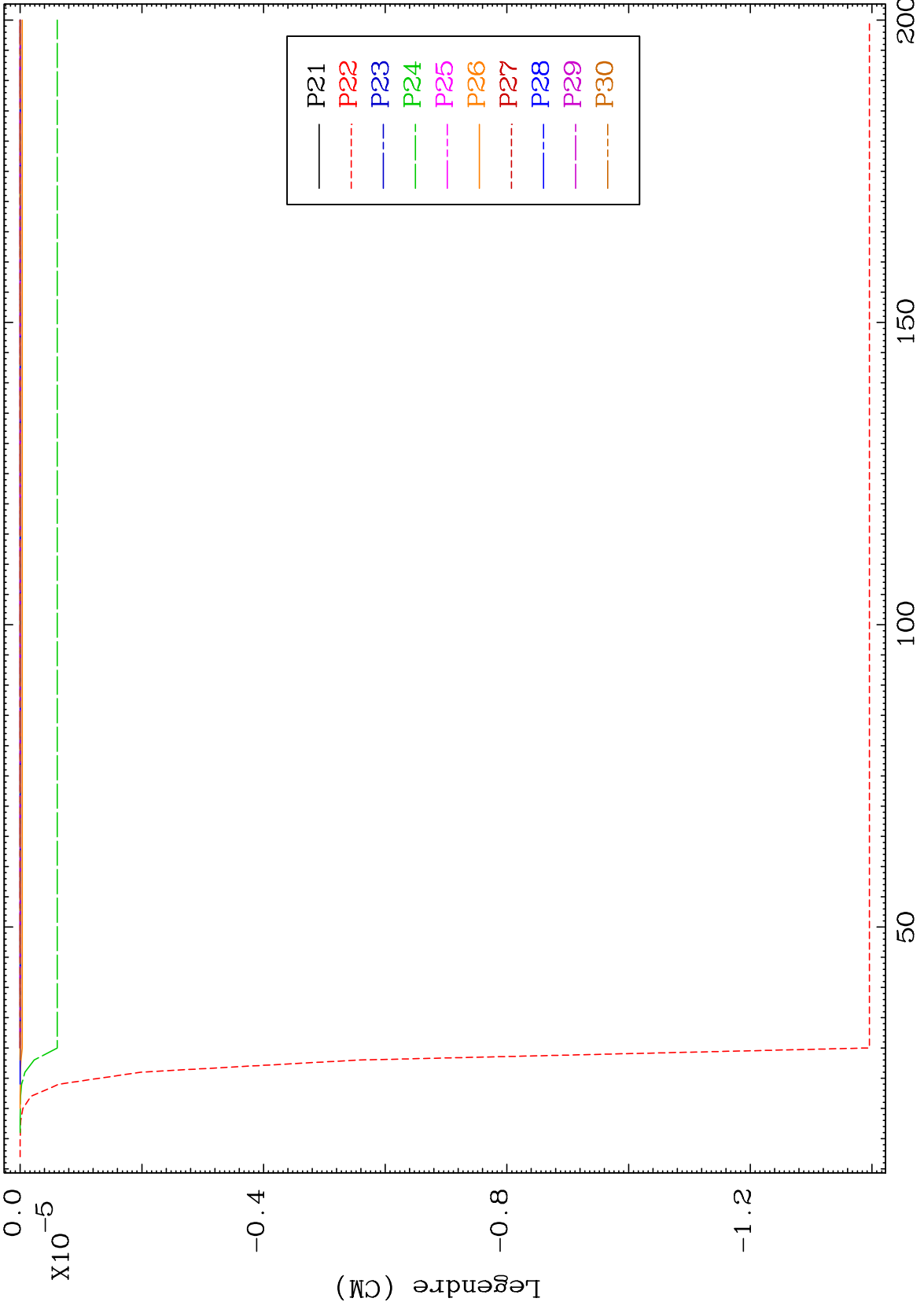


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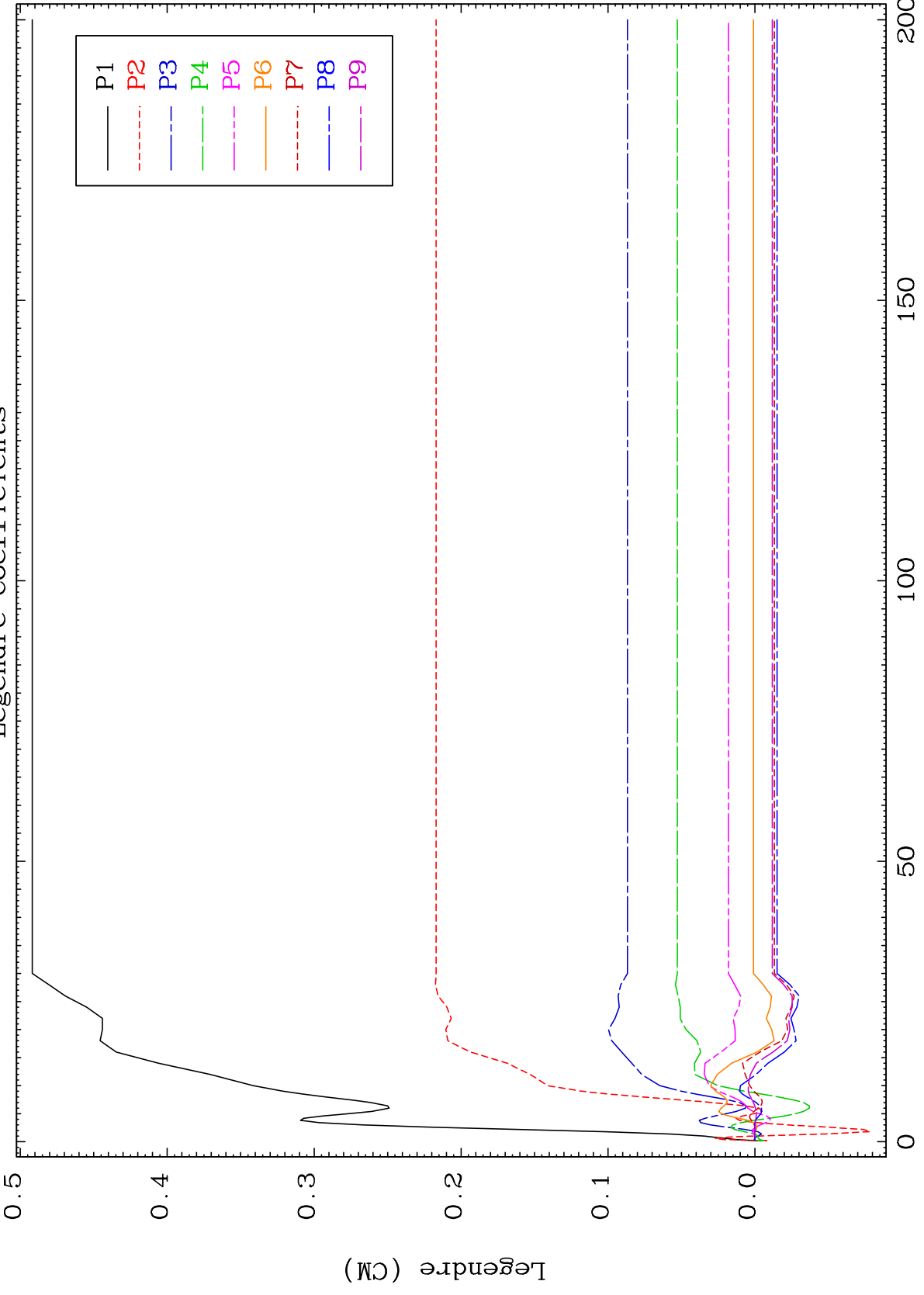
38 71-Lu-170

MAT 7110 MT= 56 (n,n') Level Legendre Coefficients 71-Lu-170





MAT 7110 MT= 57 (n,n') Level Legendre Coefficients 71-Lu-170

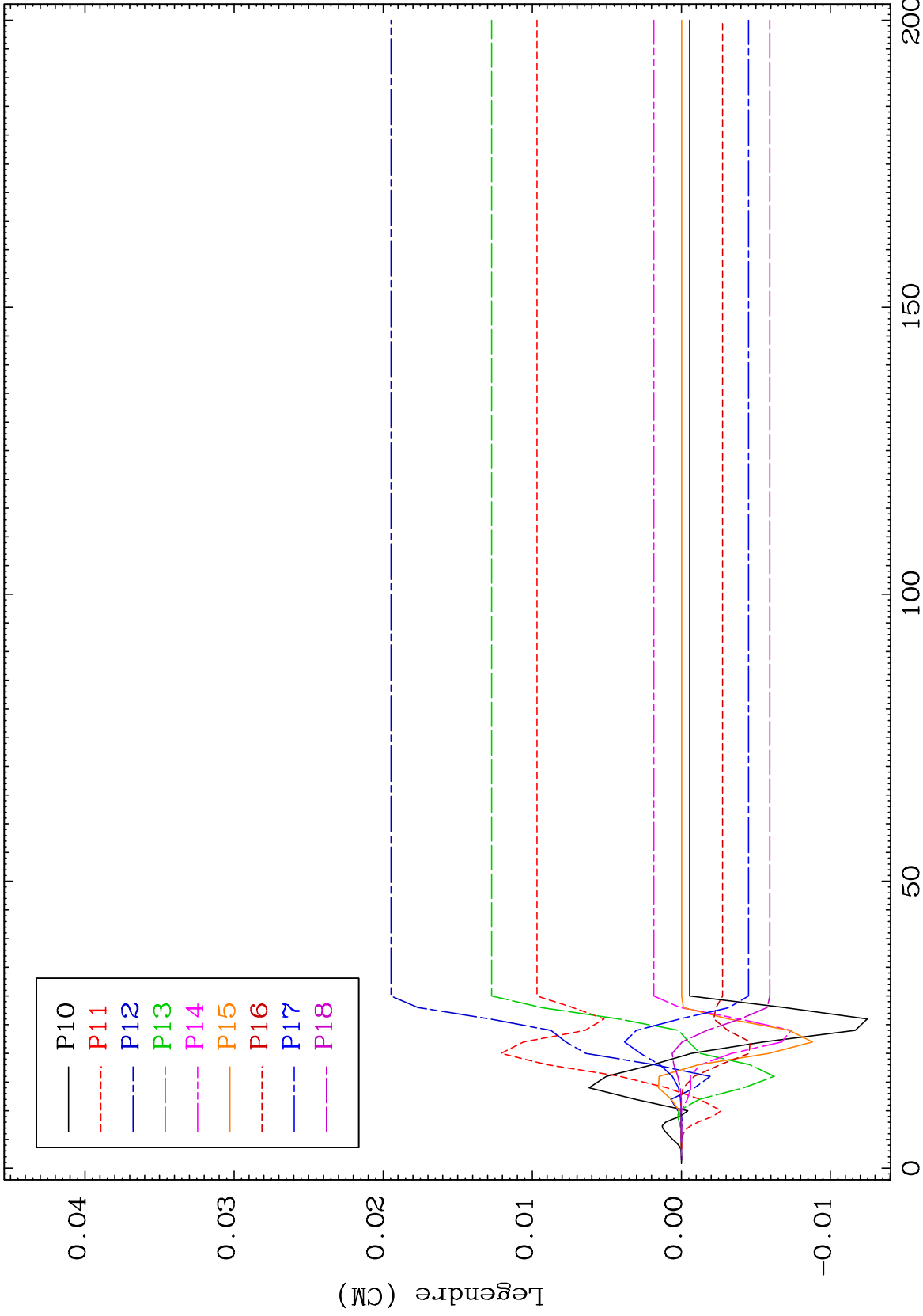


71-Lu-170 Incident Energy (MeV)

MAT 7110

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

71-Lu-170

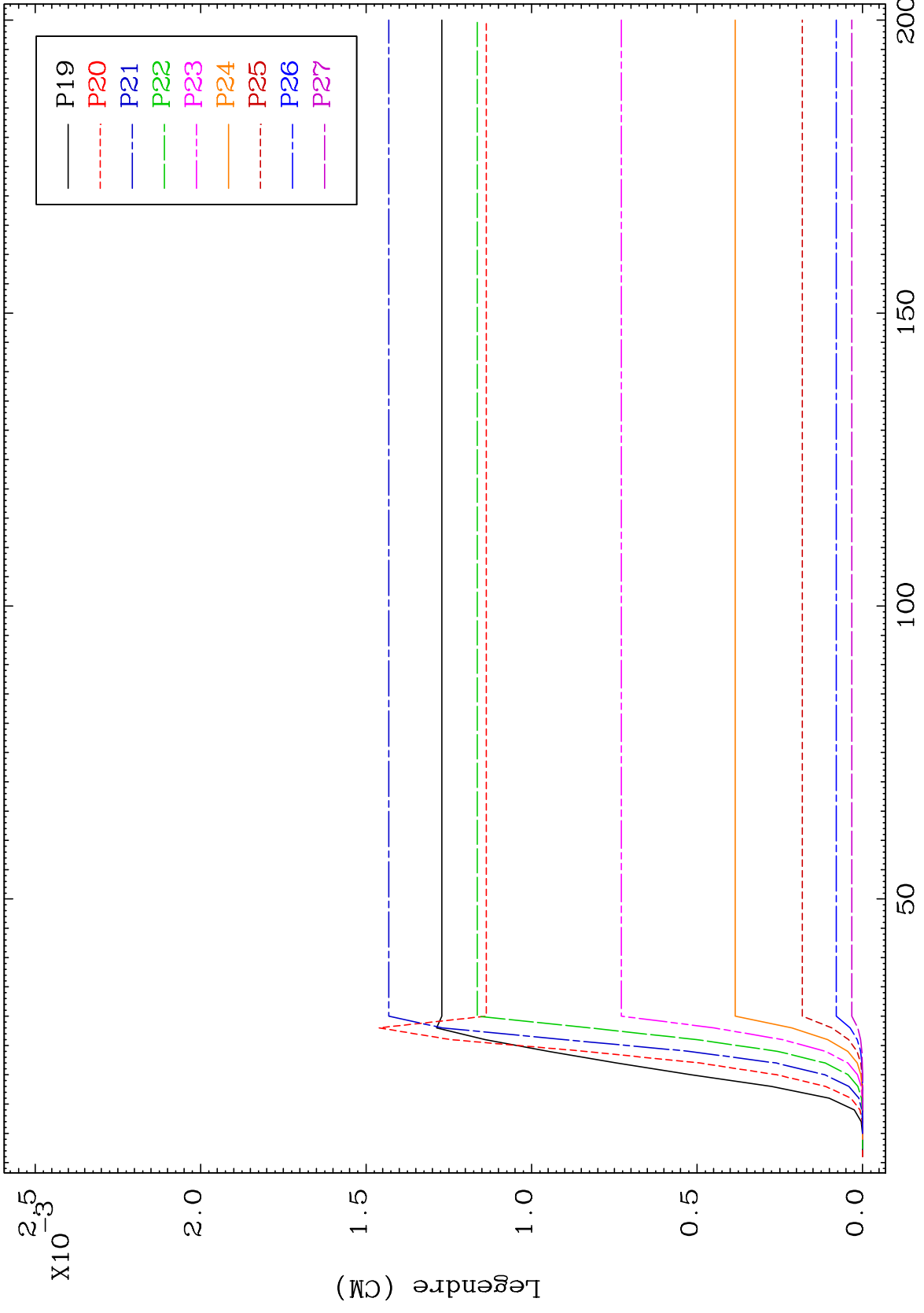


41

Incident Energy (MeV)

71-Lu-170

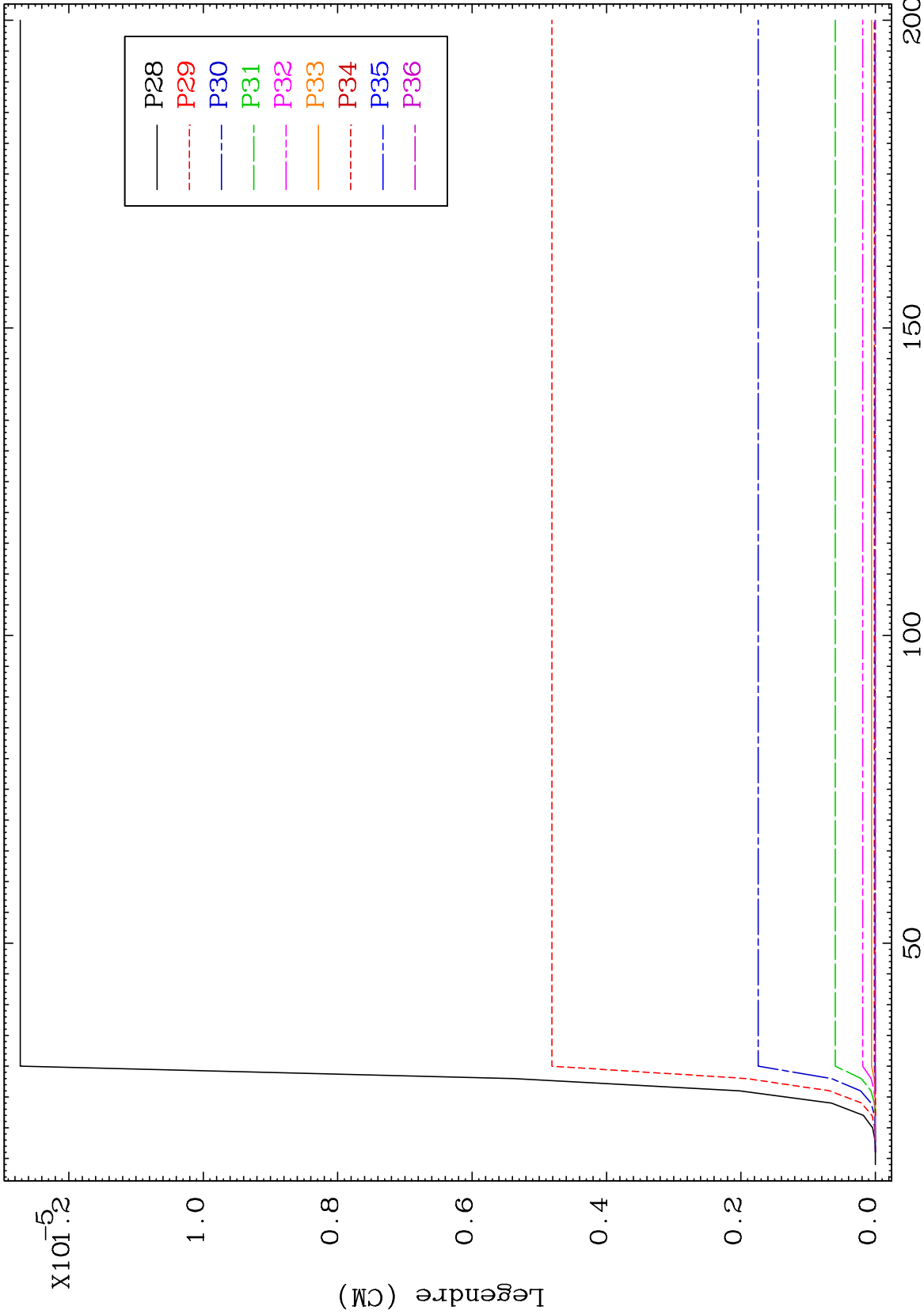
MAT 7110 MT= 57 (n,n') Level Legendre Coefficients 71-Lu-170



MAT 7110

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

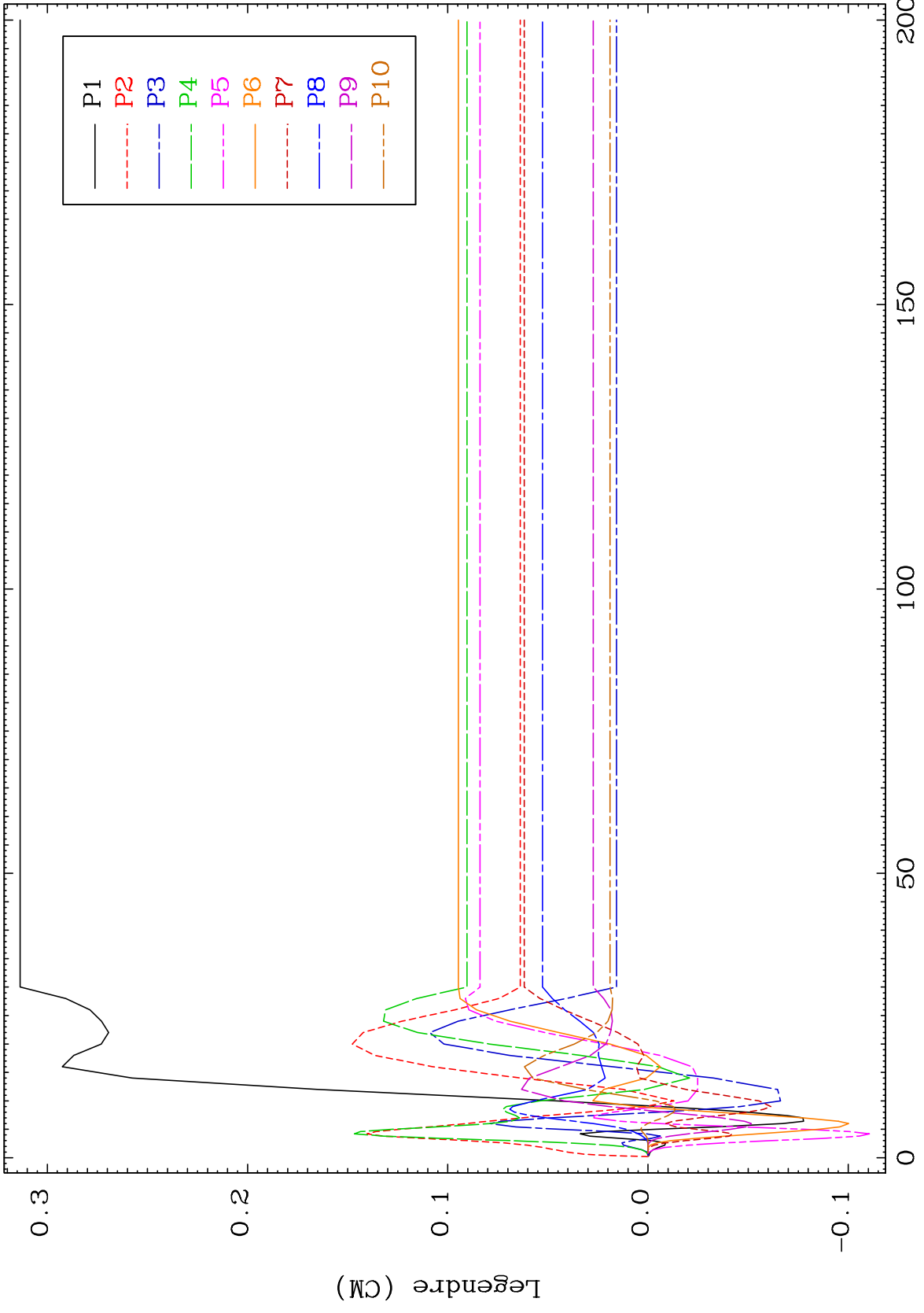
71-Lu-170



43

71-Lu-170

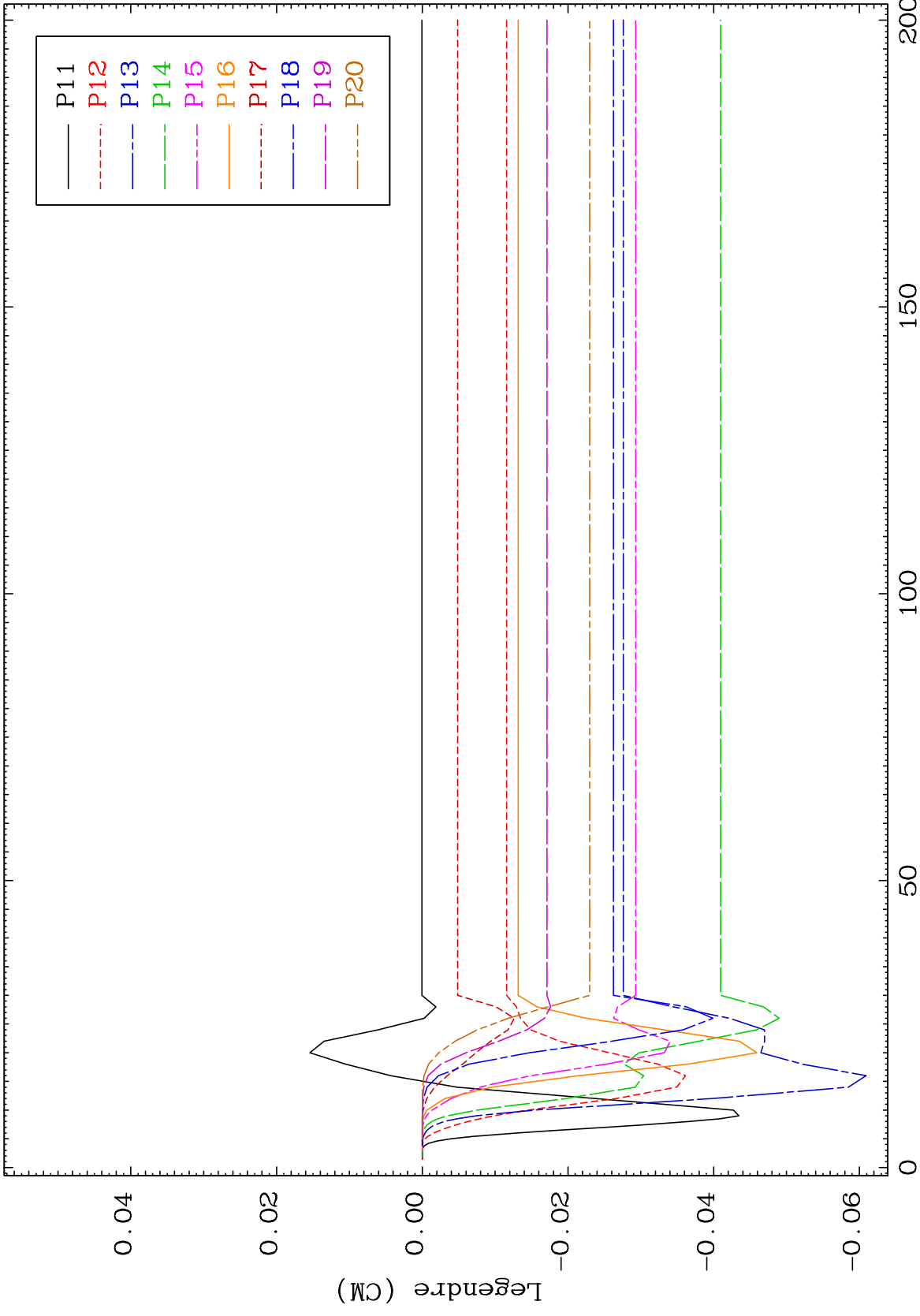
MAT 7110 MT= 58 (n,n') Level Legendre Coefficients 71-Lu-170



MAT 7110

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

71-Lu-170

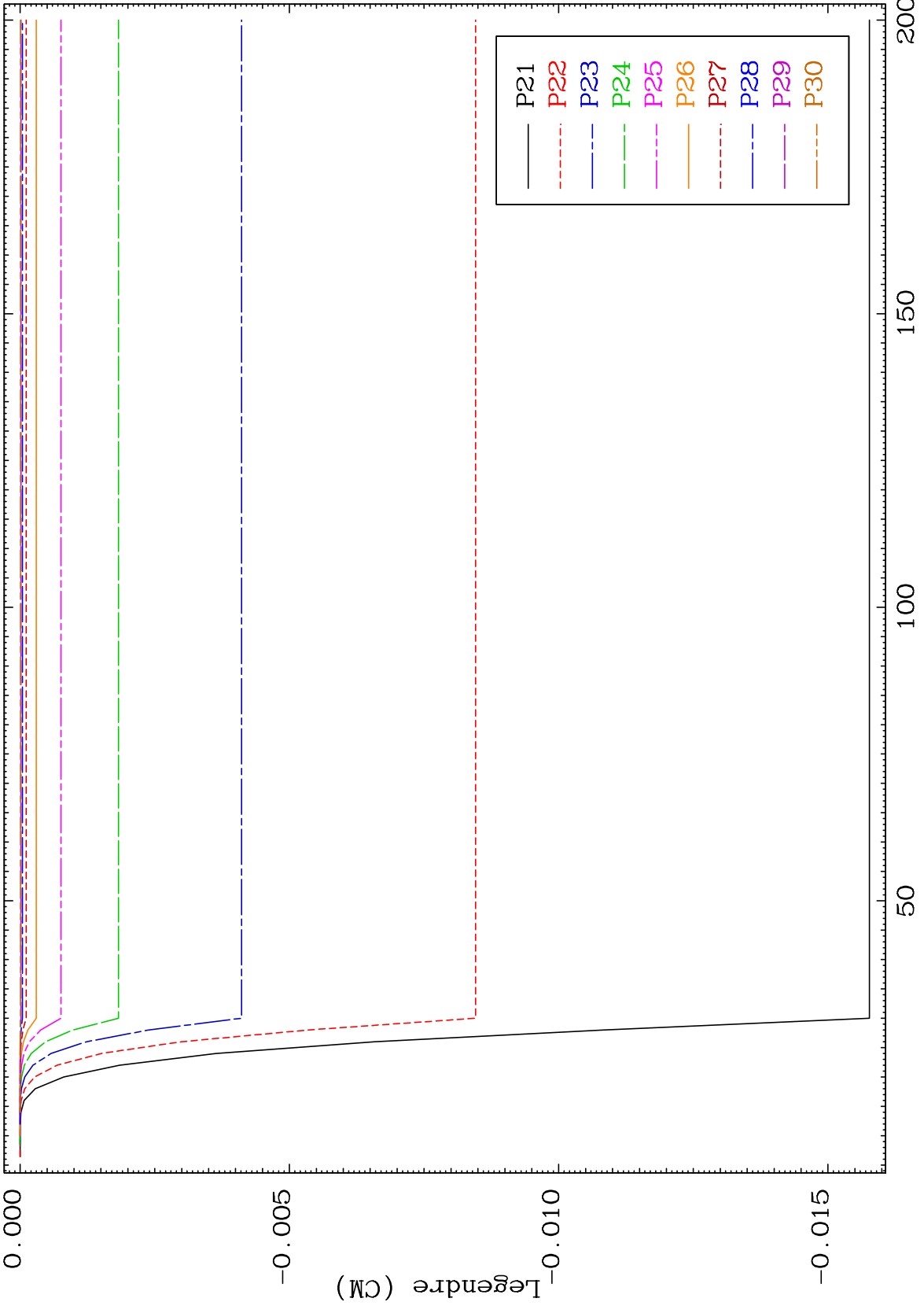


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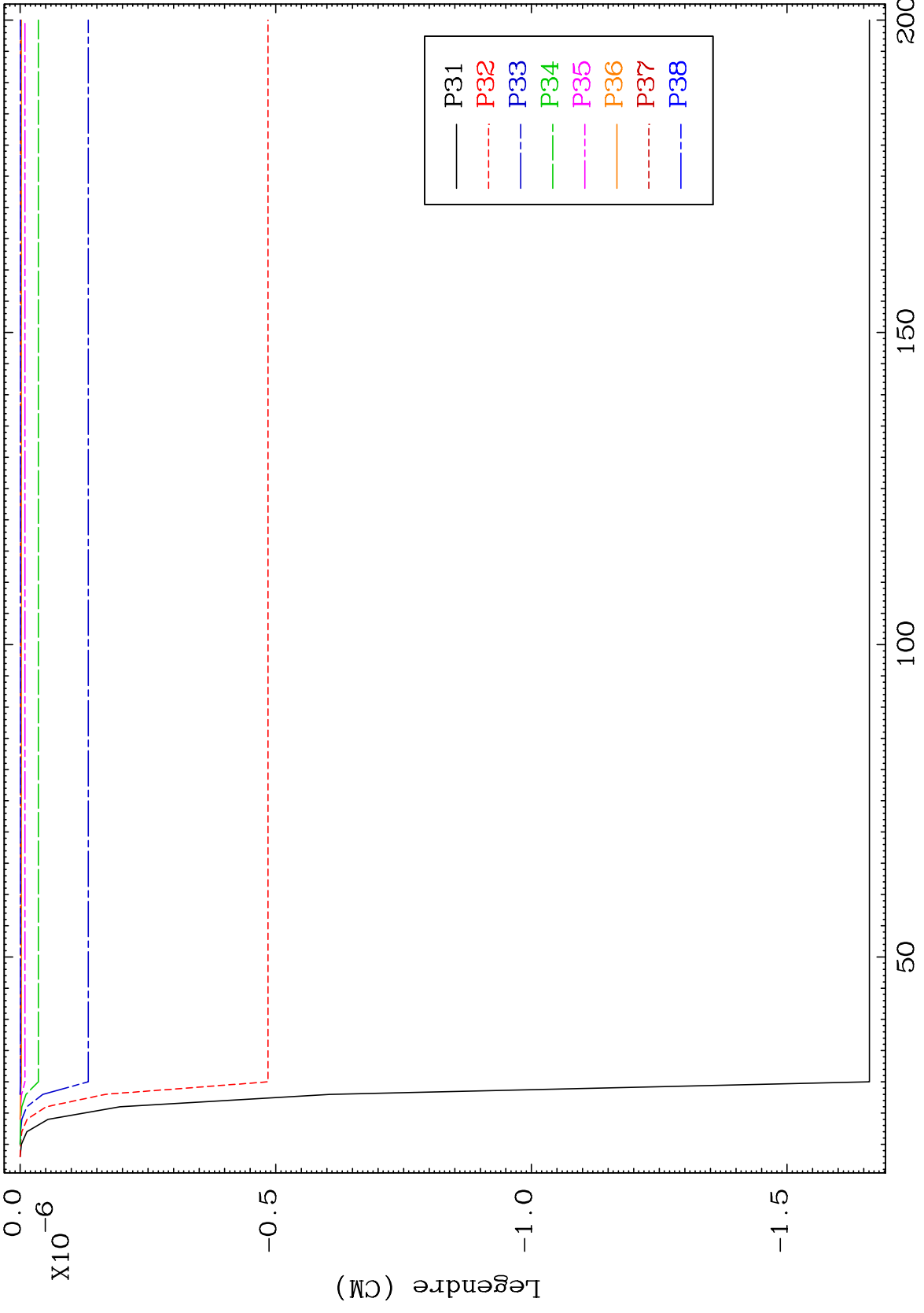
Incident Energy (MeV)

71-Lu-170

MAT 7110 MT= 58 (n,n') Level Legendre Coefficients 71-Lu-170

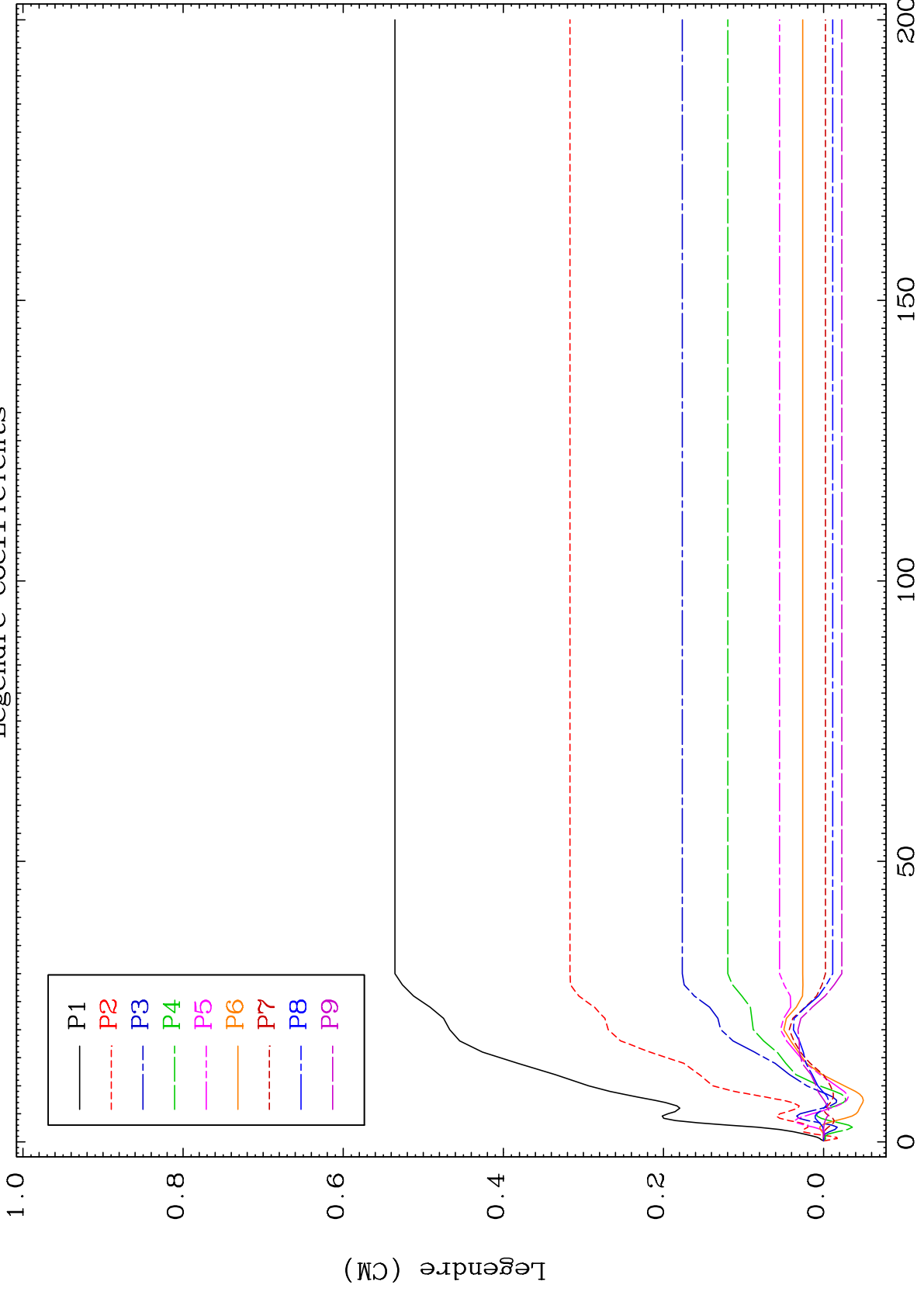


MAT 7110 MT= 58 (n,n') Level Legendre Coefficients 71-Lu-170



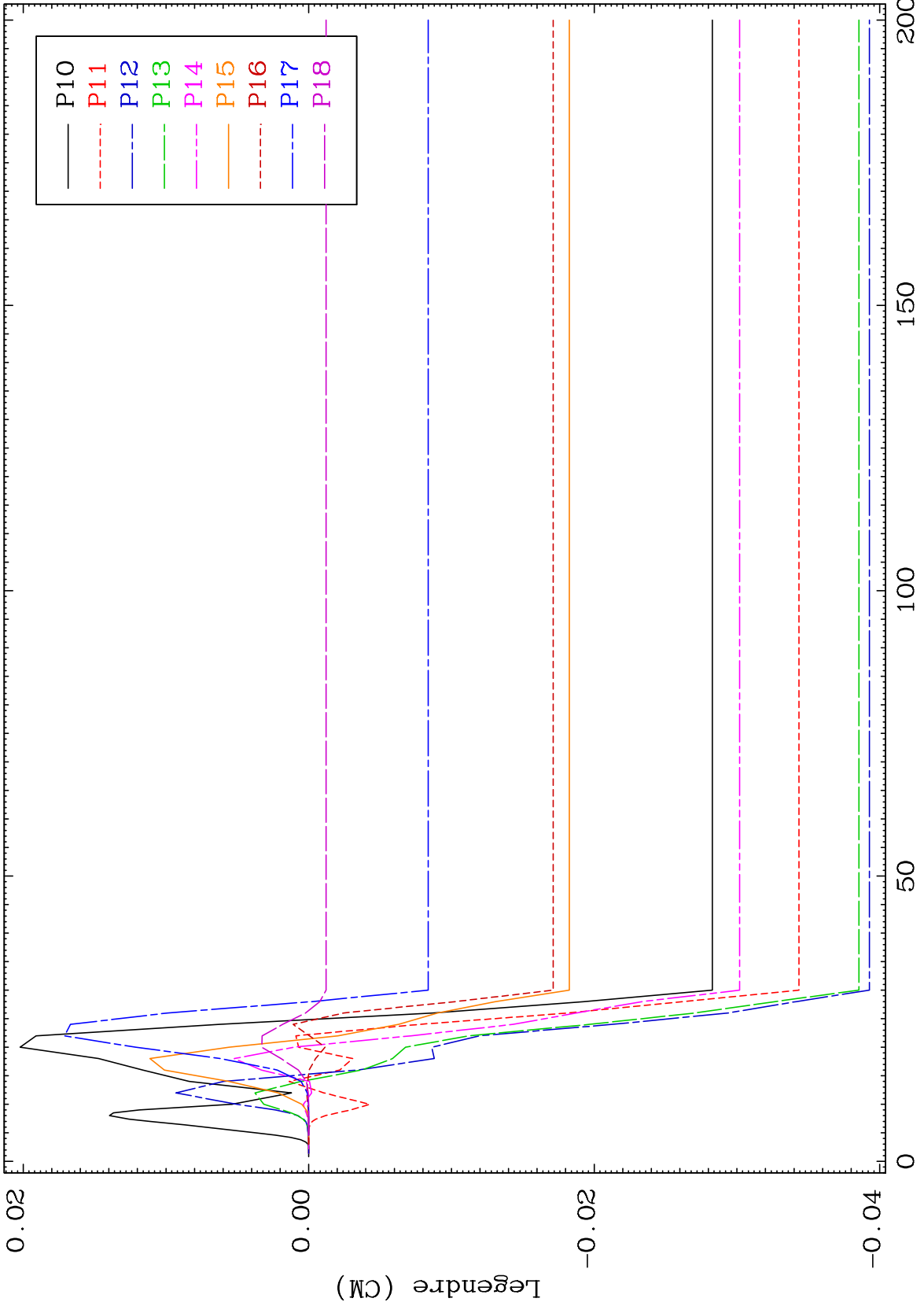


MAT 7110 MT= 59 (n,n') Level Legendre Coefficients 71-Lu-170



48 71-Lu-170

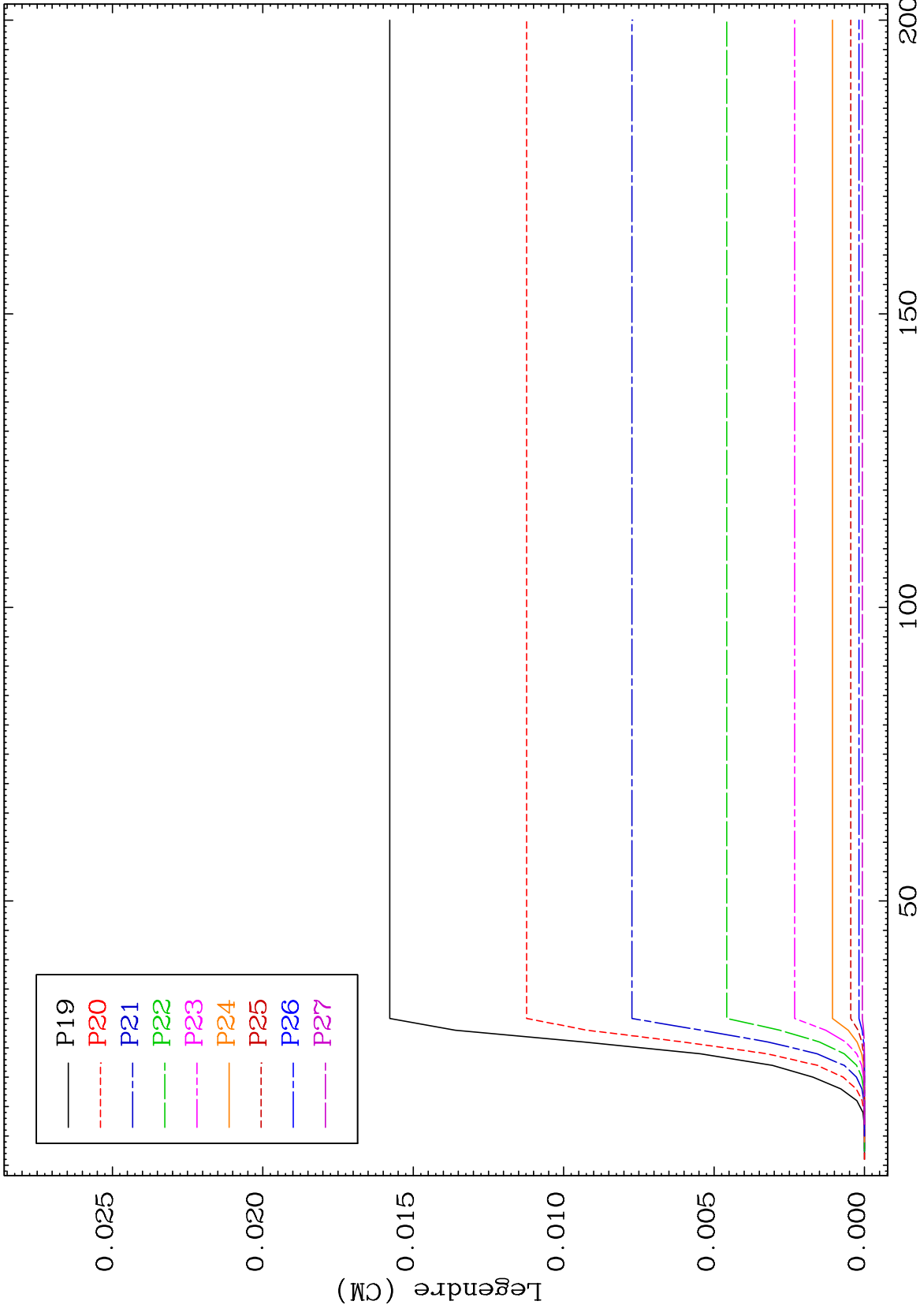
MAT 7110 MT= 59 (n,n') Level Legendre Coefficients 71-Lu-170



MAT 7110

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

71-Lu-170



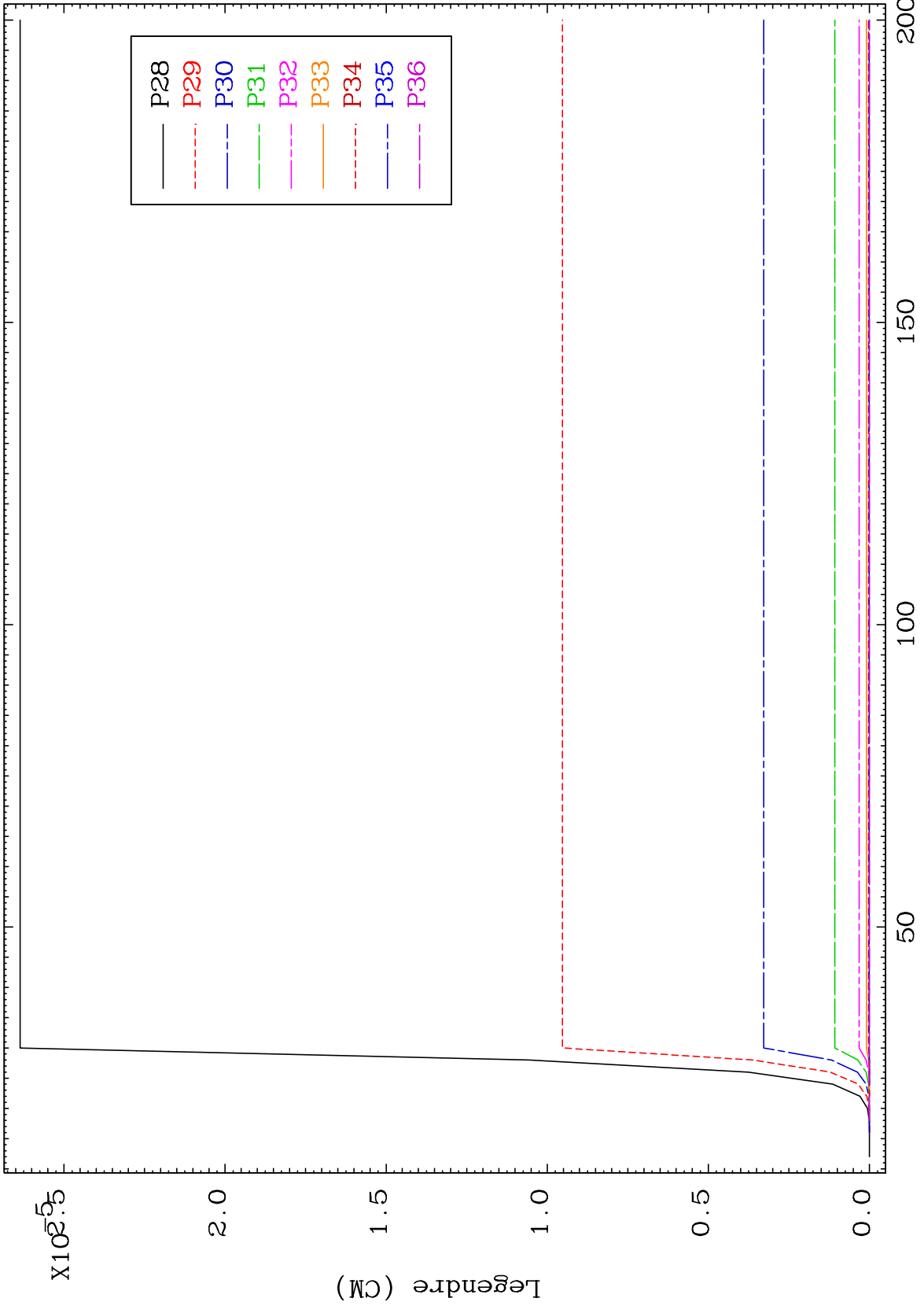
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Incident Energy (MeV)

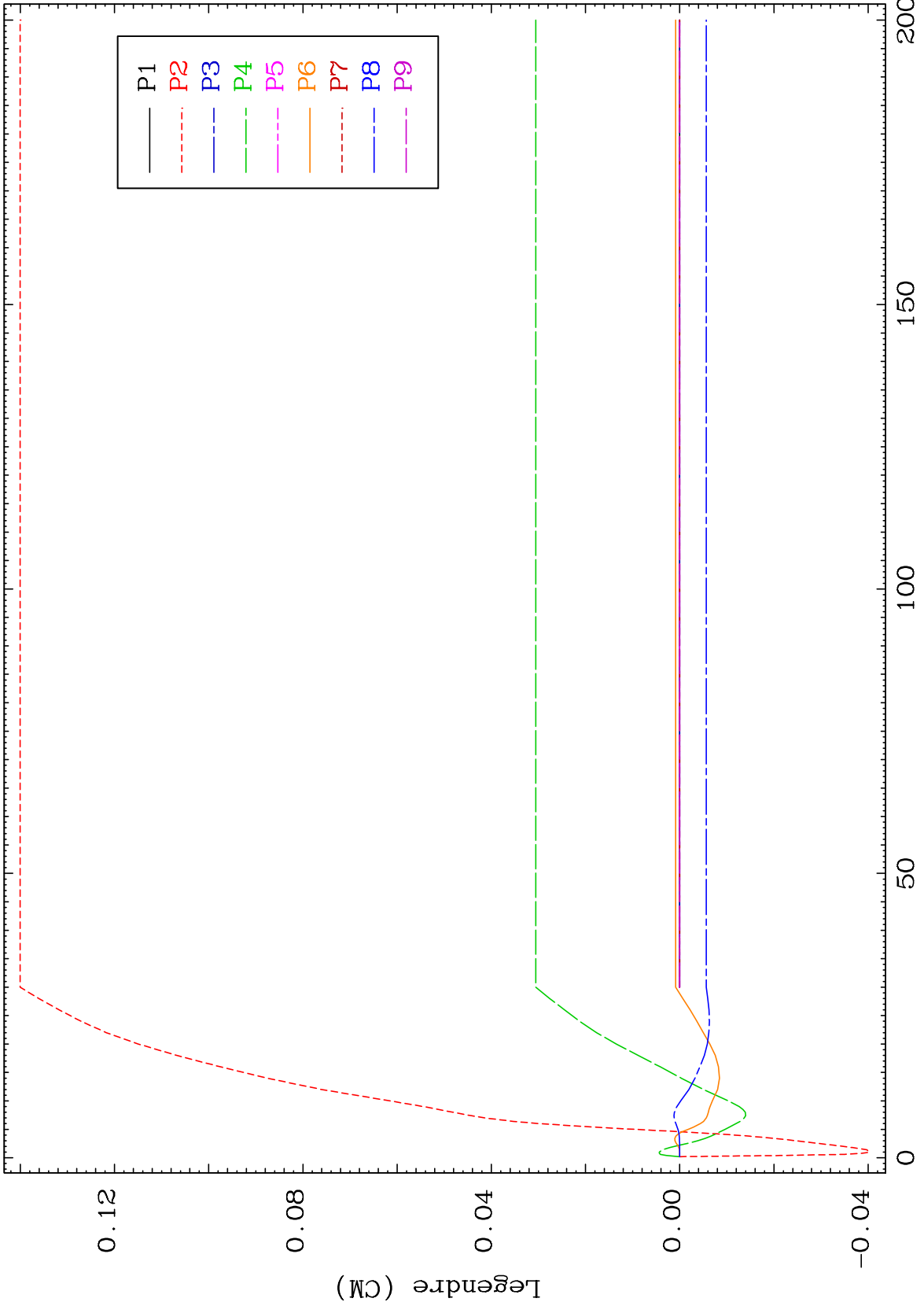
150

71-Lu-170

200

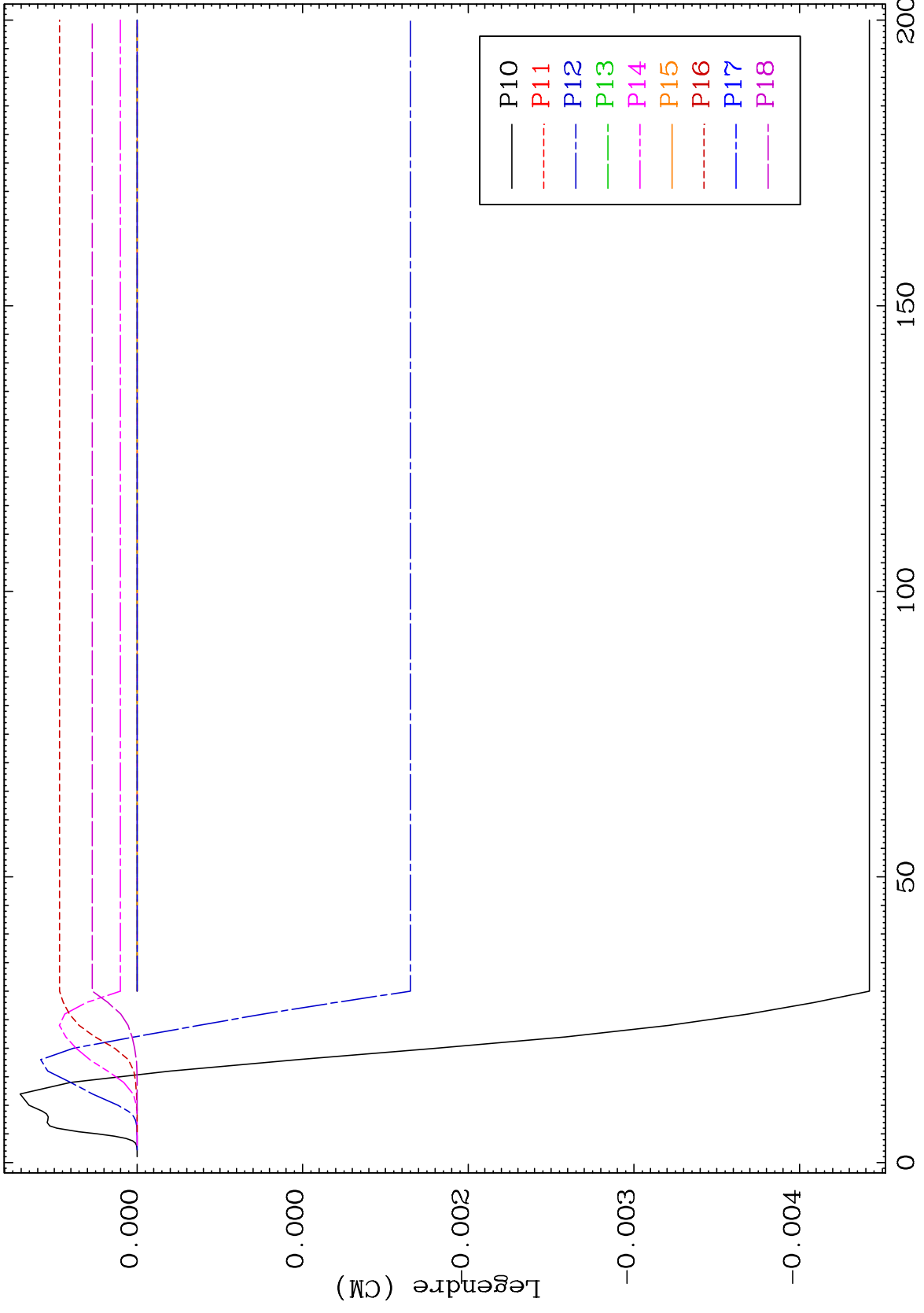


MAT 7110 MT= 60 (n,n') Level Legendre Coefficients 71-Lu-170



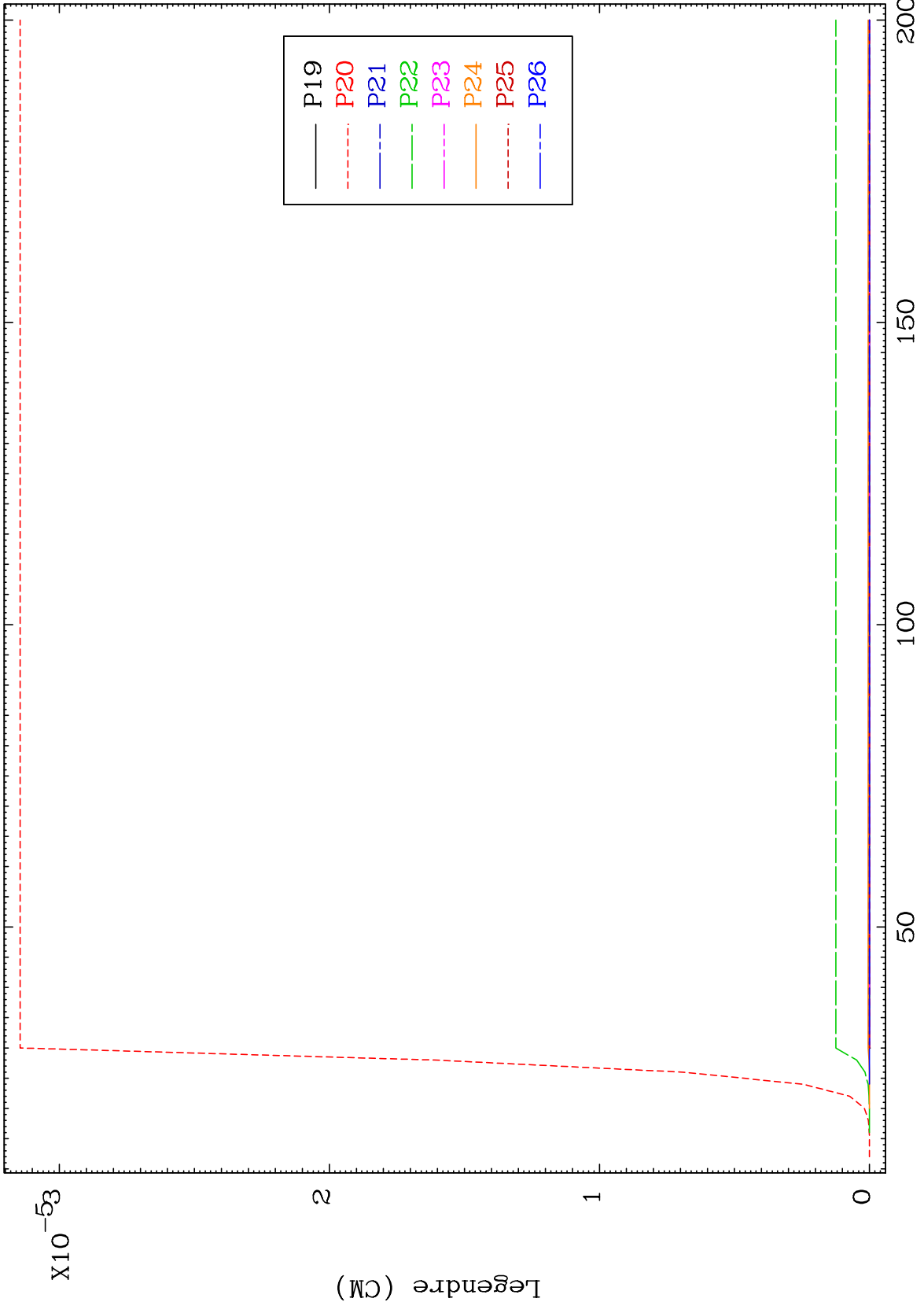
52 71-Lu-170

MAT 7110 MT= 60 (n,n') Level Legendre Coefficients 71-Lu-170

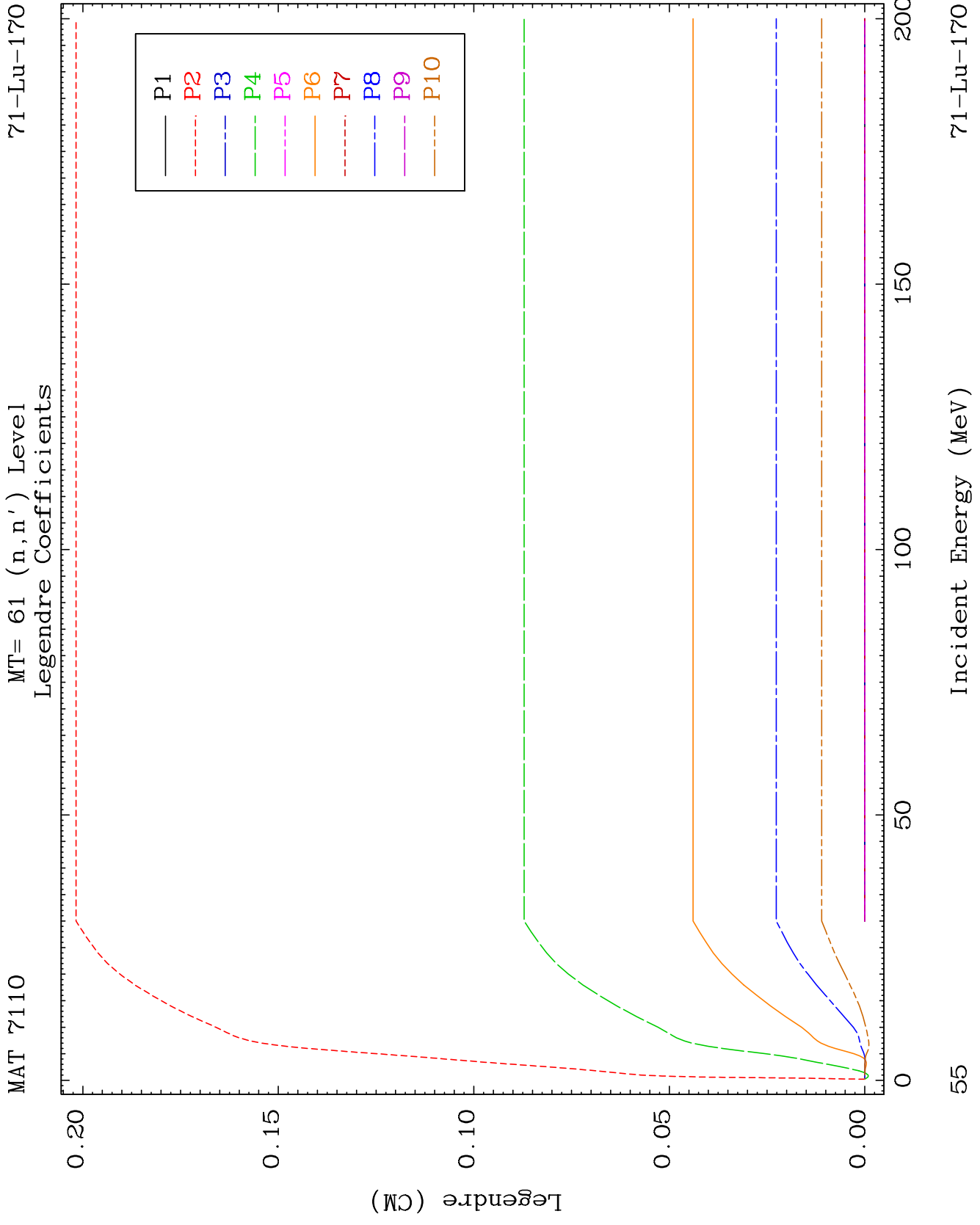


53 71-Lu-170

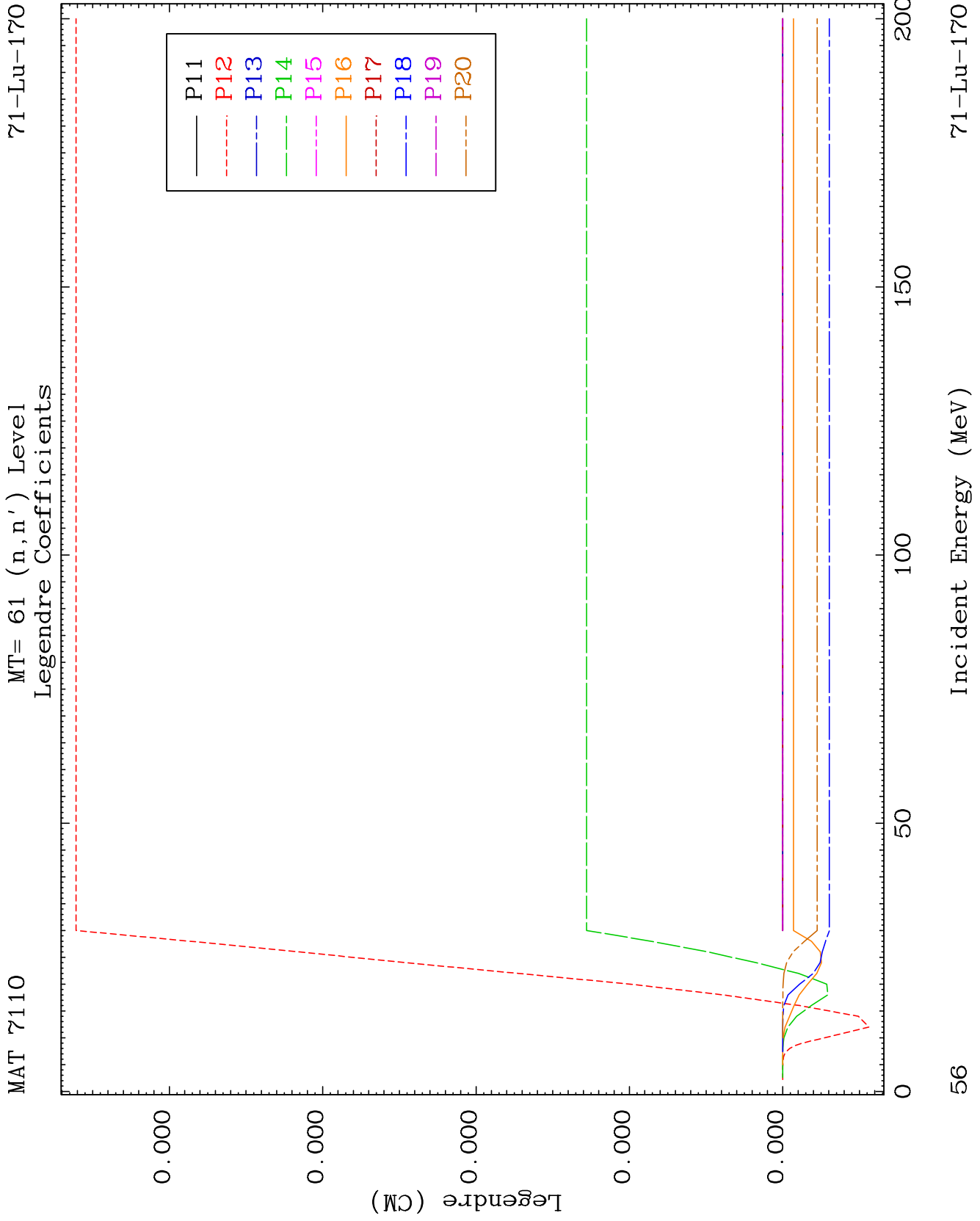
MAT 7110 MT= 60 (n,n') Level Legendre Coefficients 71-Lu-170



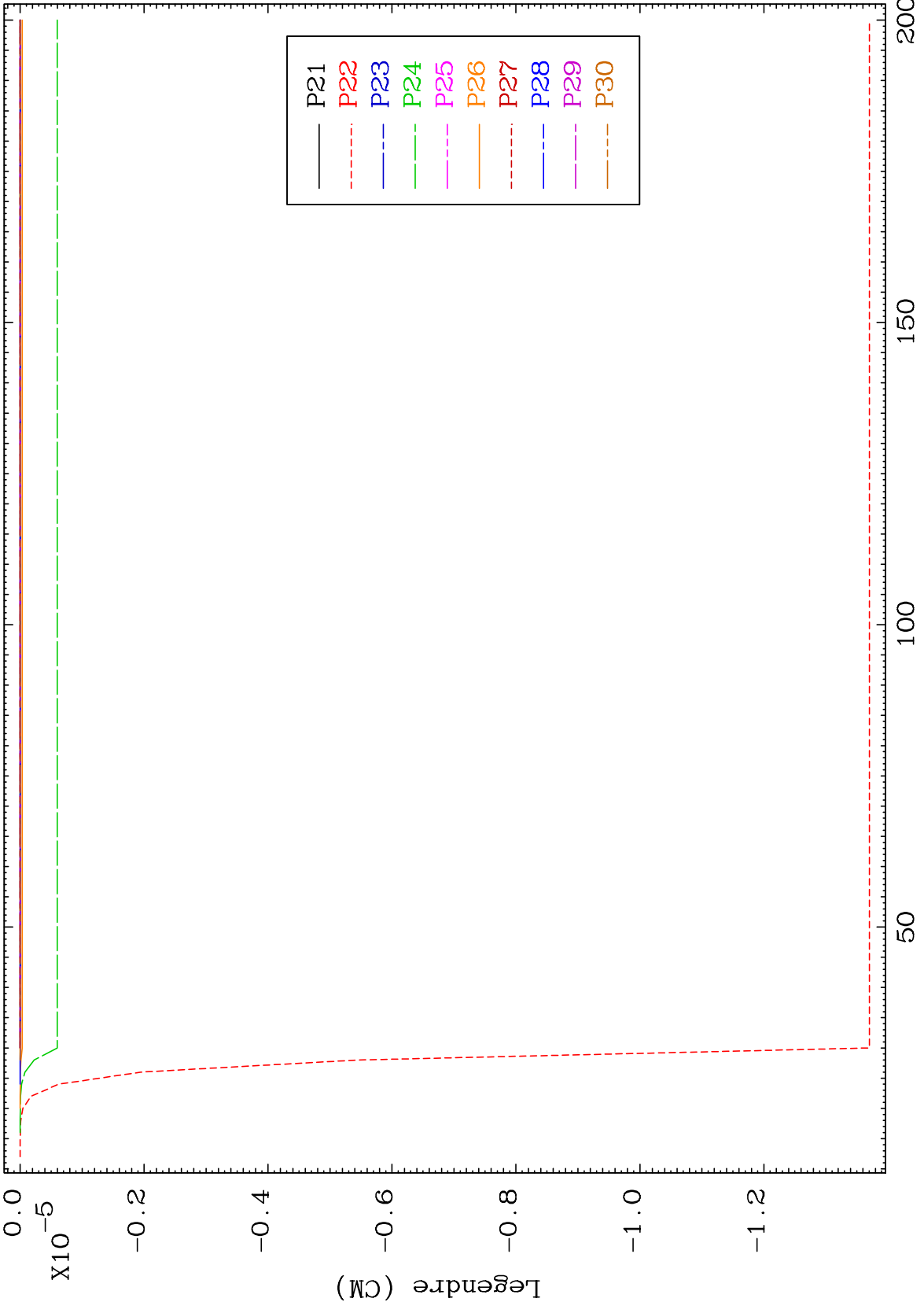
54 71-Lu-170





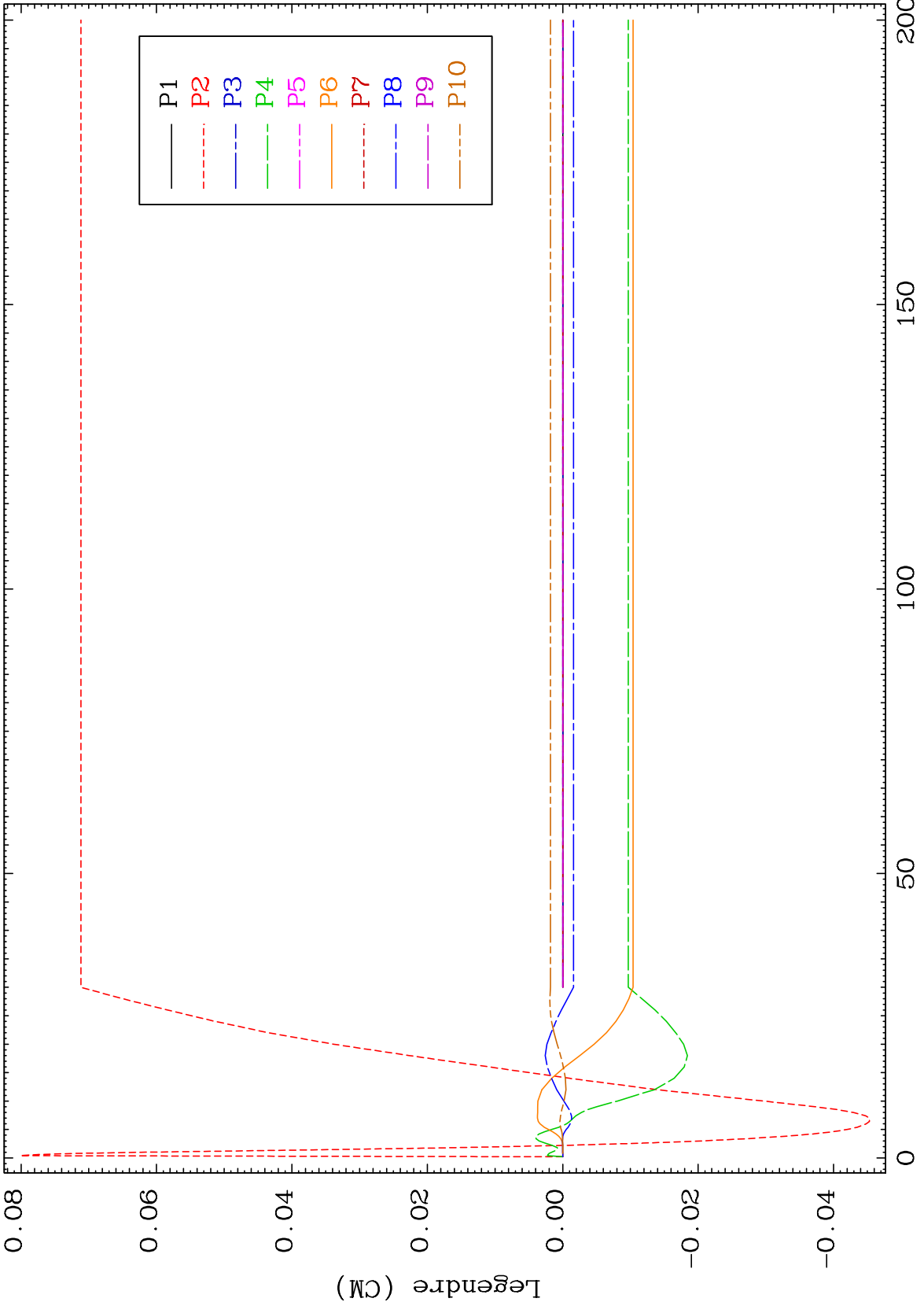


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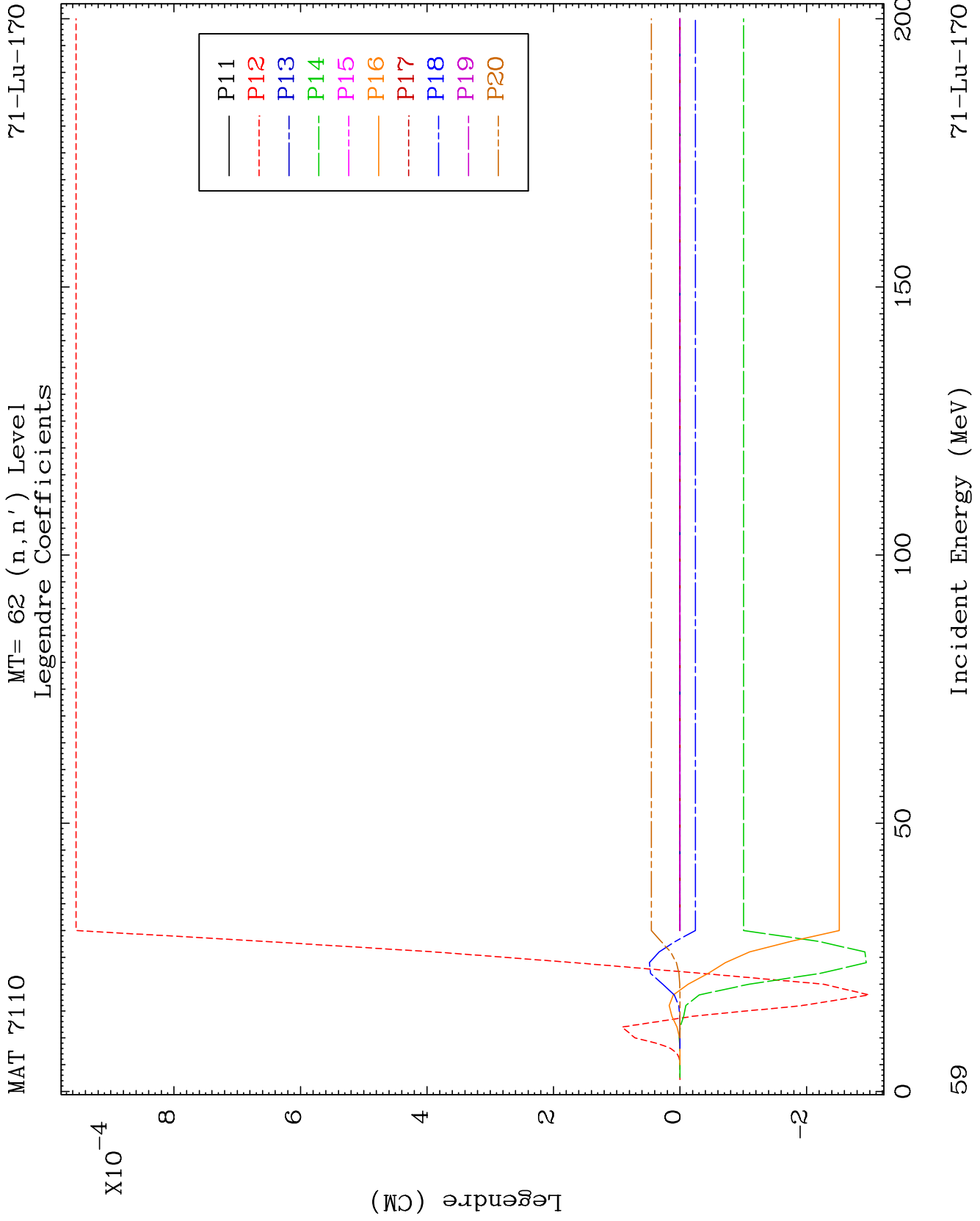


57 Incident Energy (MeV) 71-Lu-170

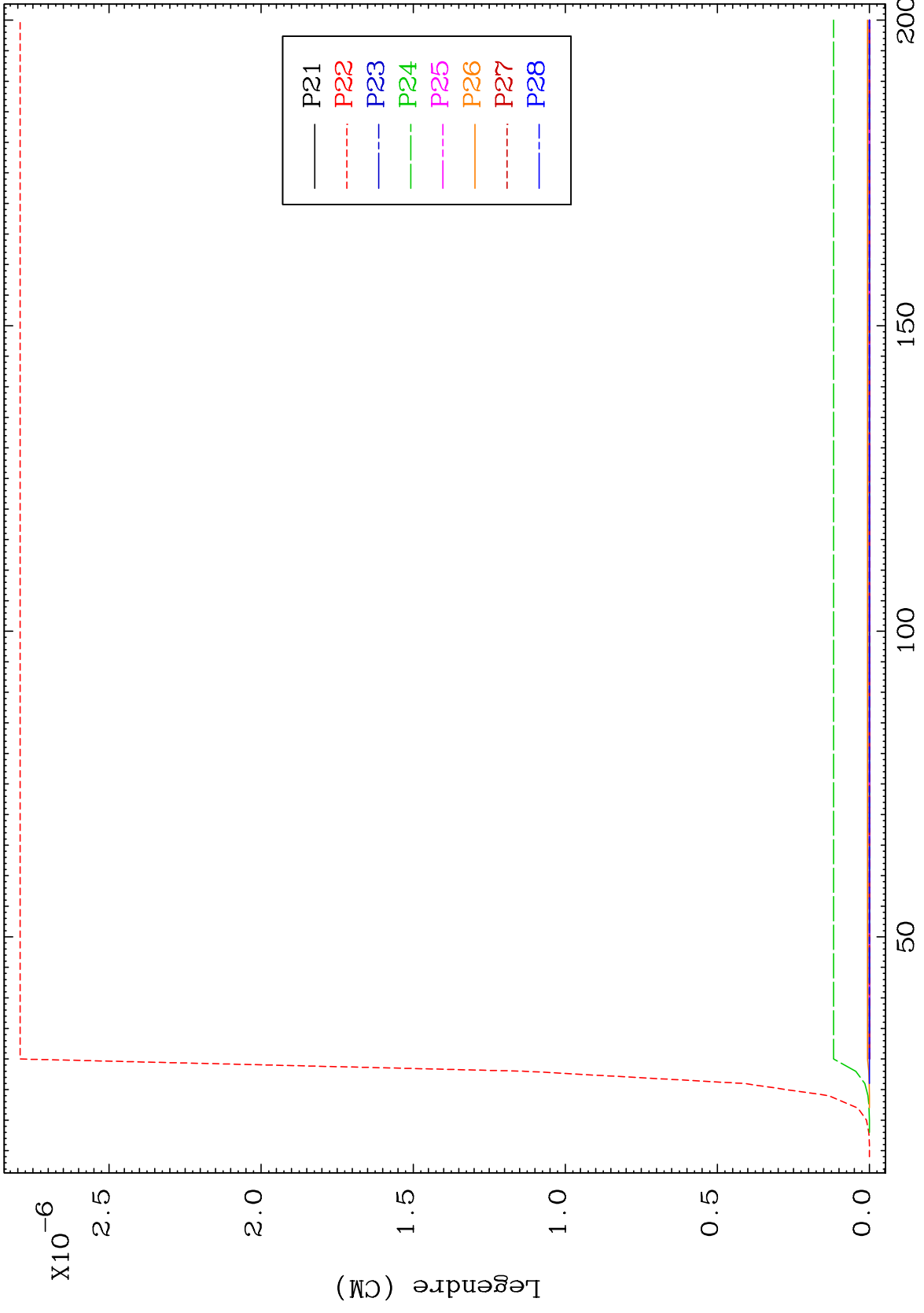
MAT 7110 MT= 62 (n,n') Level Legendre Coefficients 71-Lu-170



58 71-Lu-170 Incident Energy (MeV)

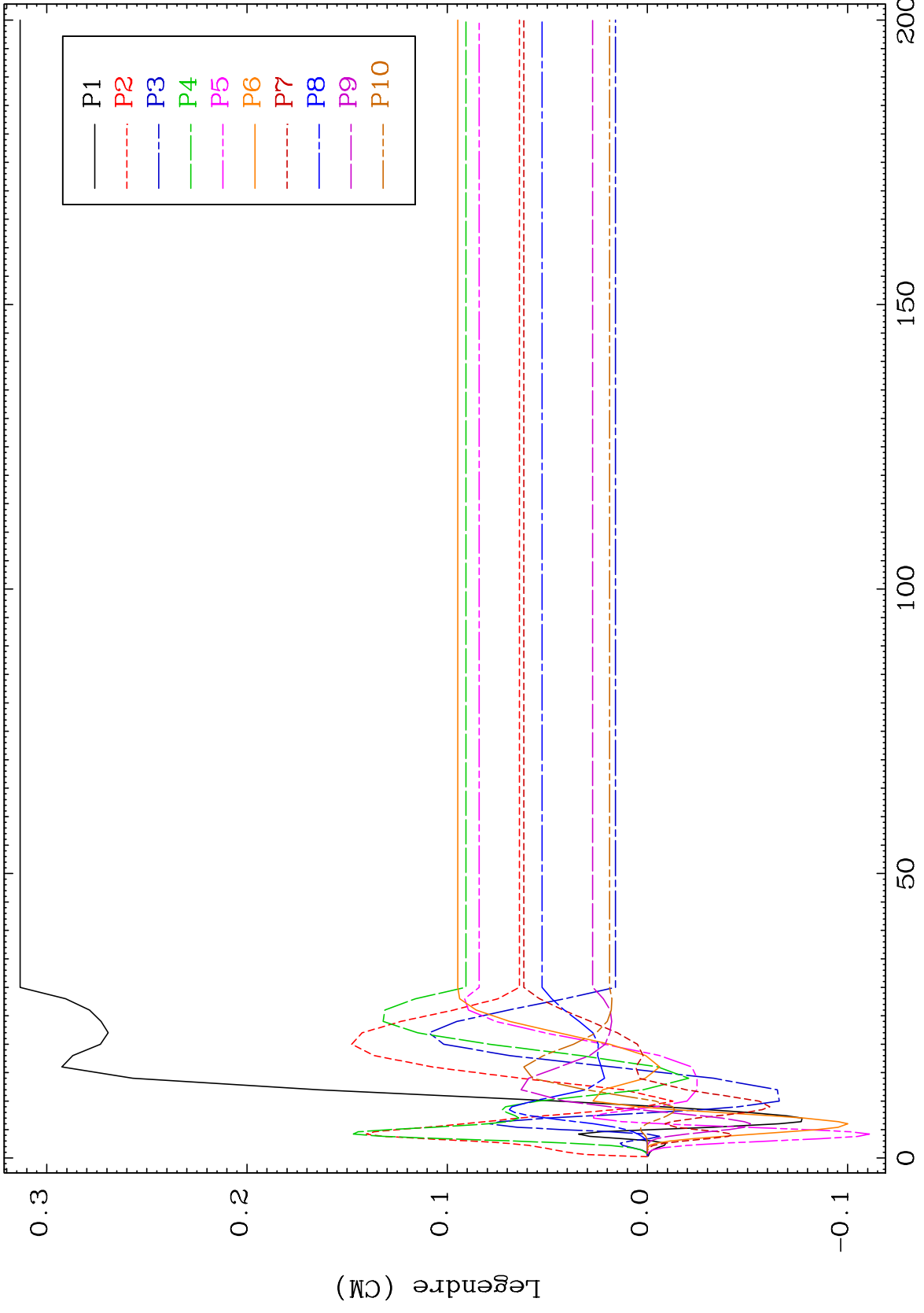


MAT 7110 MT= 62 (n,n') Level Legendre Coefficients 71-Lu-170



71-Lu-170

MAT 7110 MT= 63 (n,n') Level Legendre Coefficients 71-Lu-170

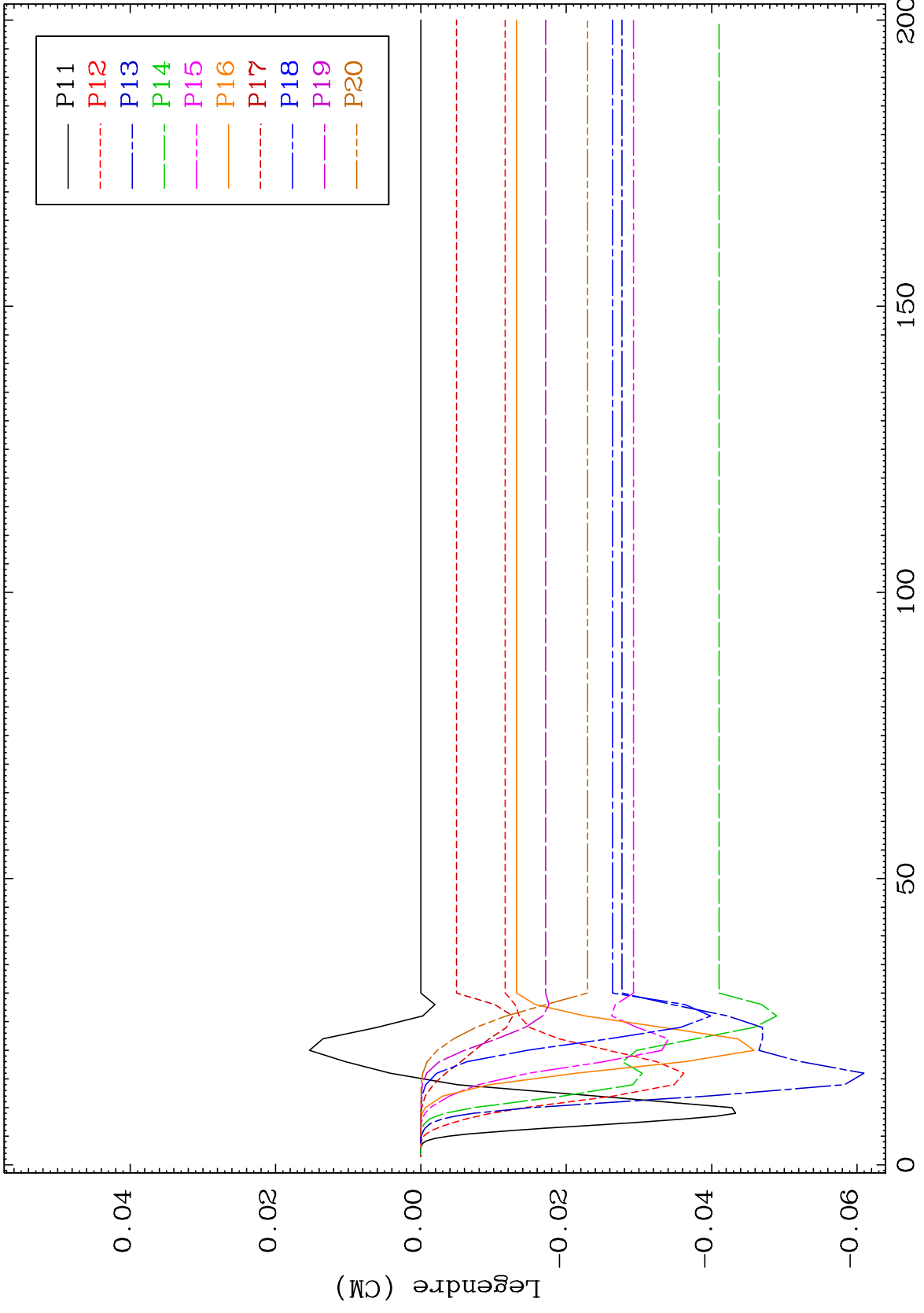


61 71-Lu-170

MAT 7110

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

71-Lu-170

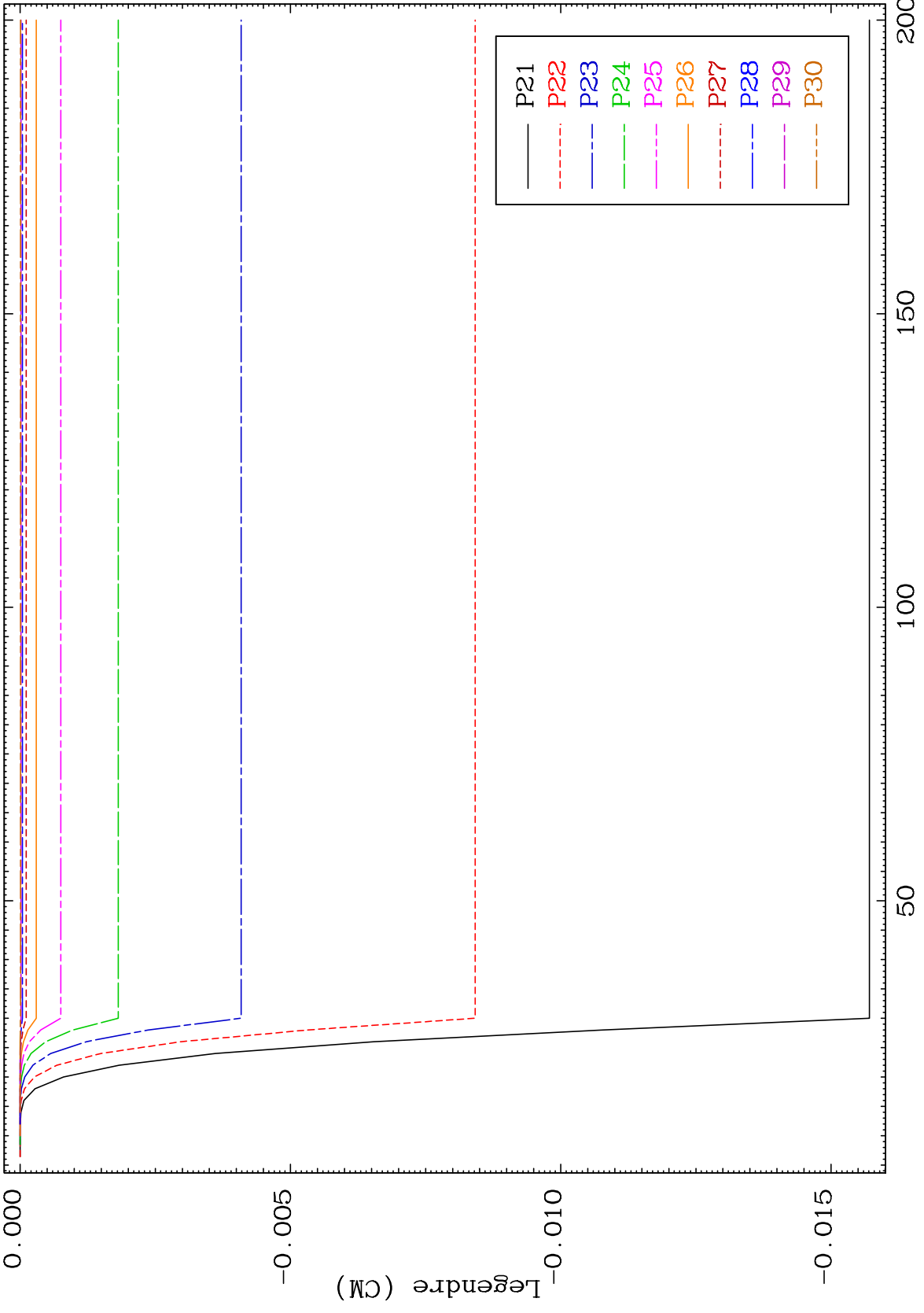


62

Incident Energy (MeV)

71-Lu-170

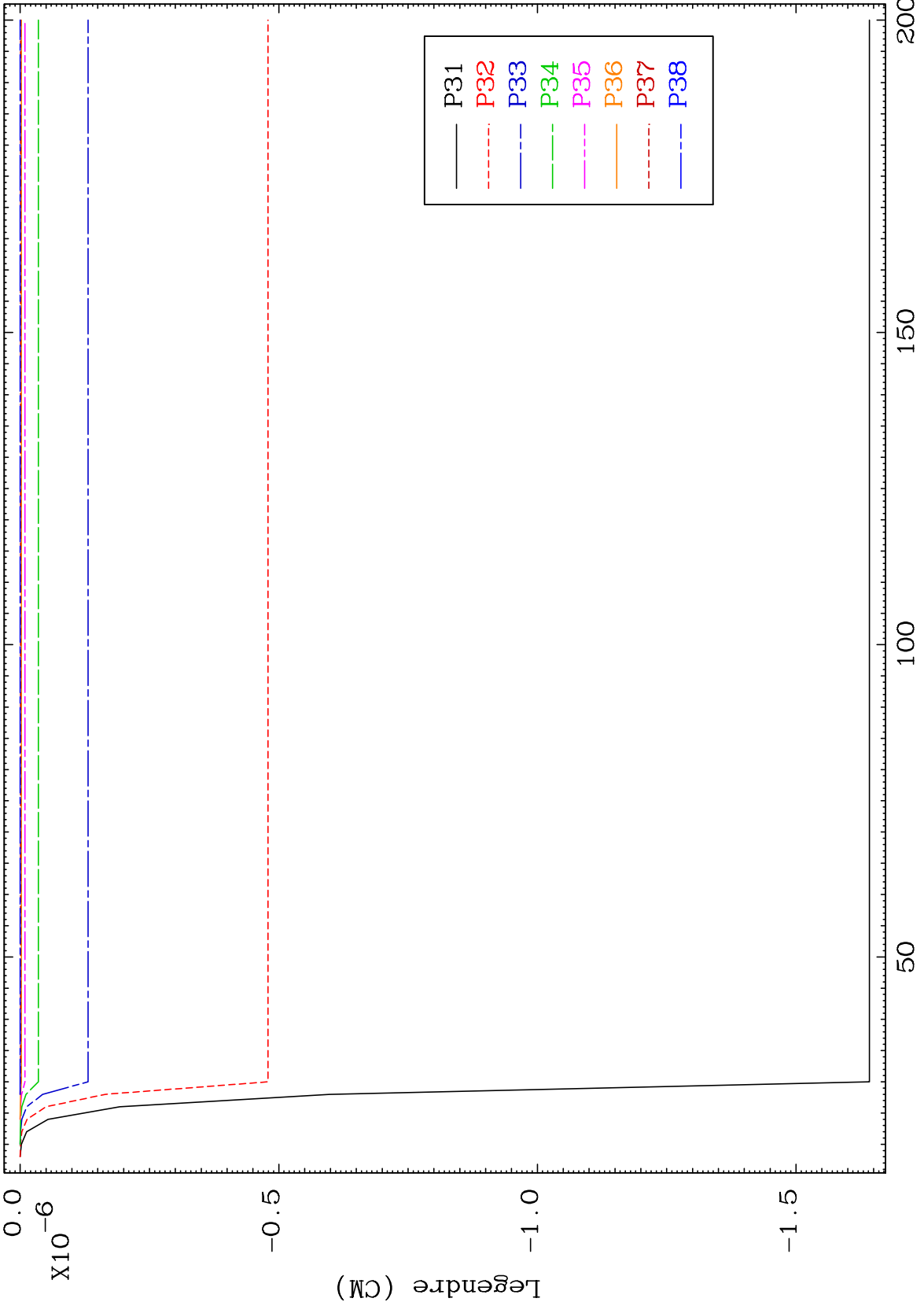
MAT 7110 MT= 63 (n,n') Level Legendre Coefficients 71-Lu-170



63 71-Lu-170

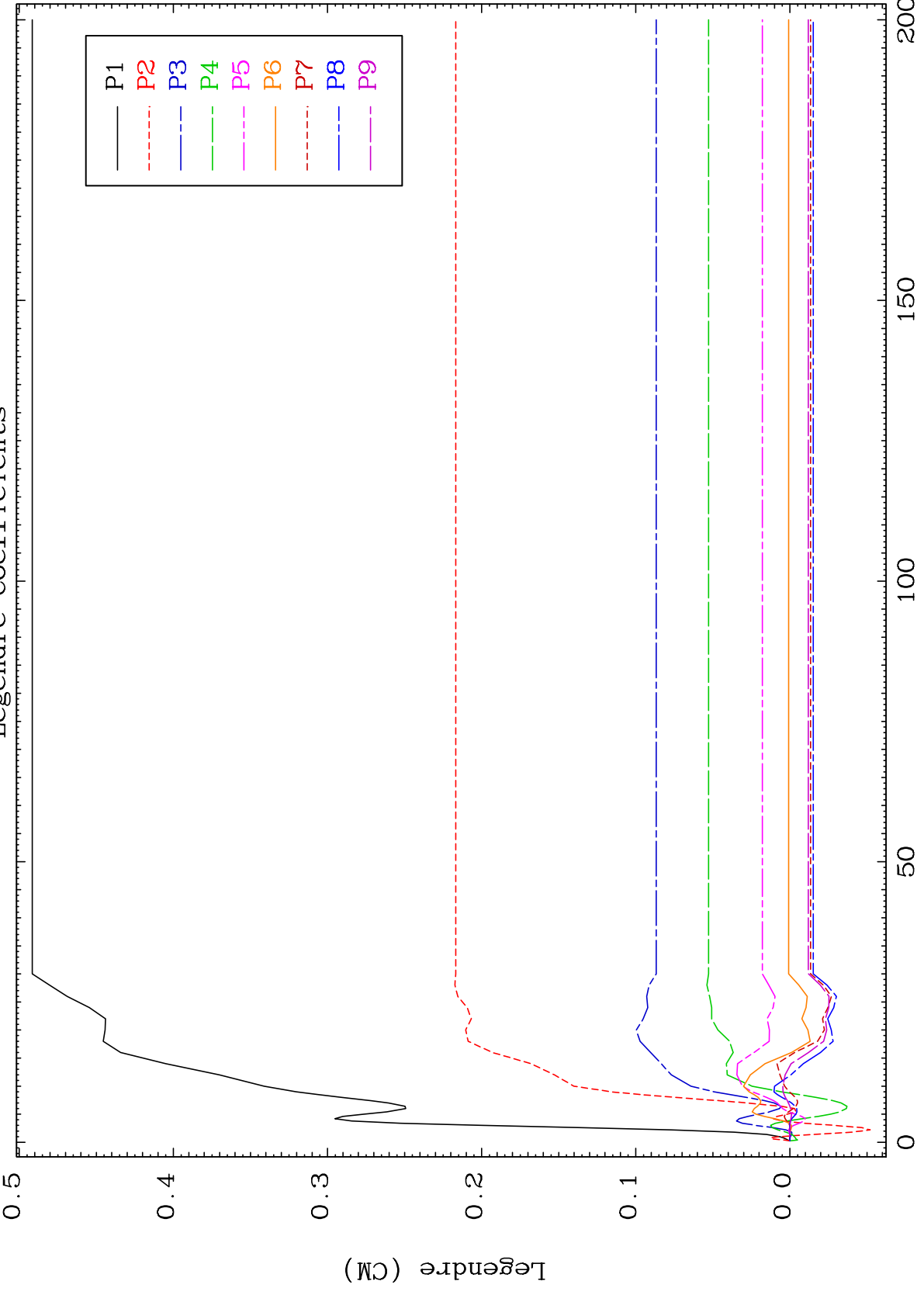


MAT 7110 MT= 63 (n,n') Level Legendre Coefficients 71-Lu-170



64 71-Lu-170

MAT 7110 MT= 64 (n,n') Level Legendre Coefficients 71-Lu-170

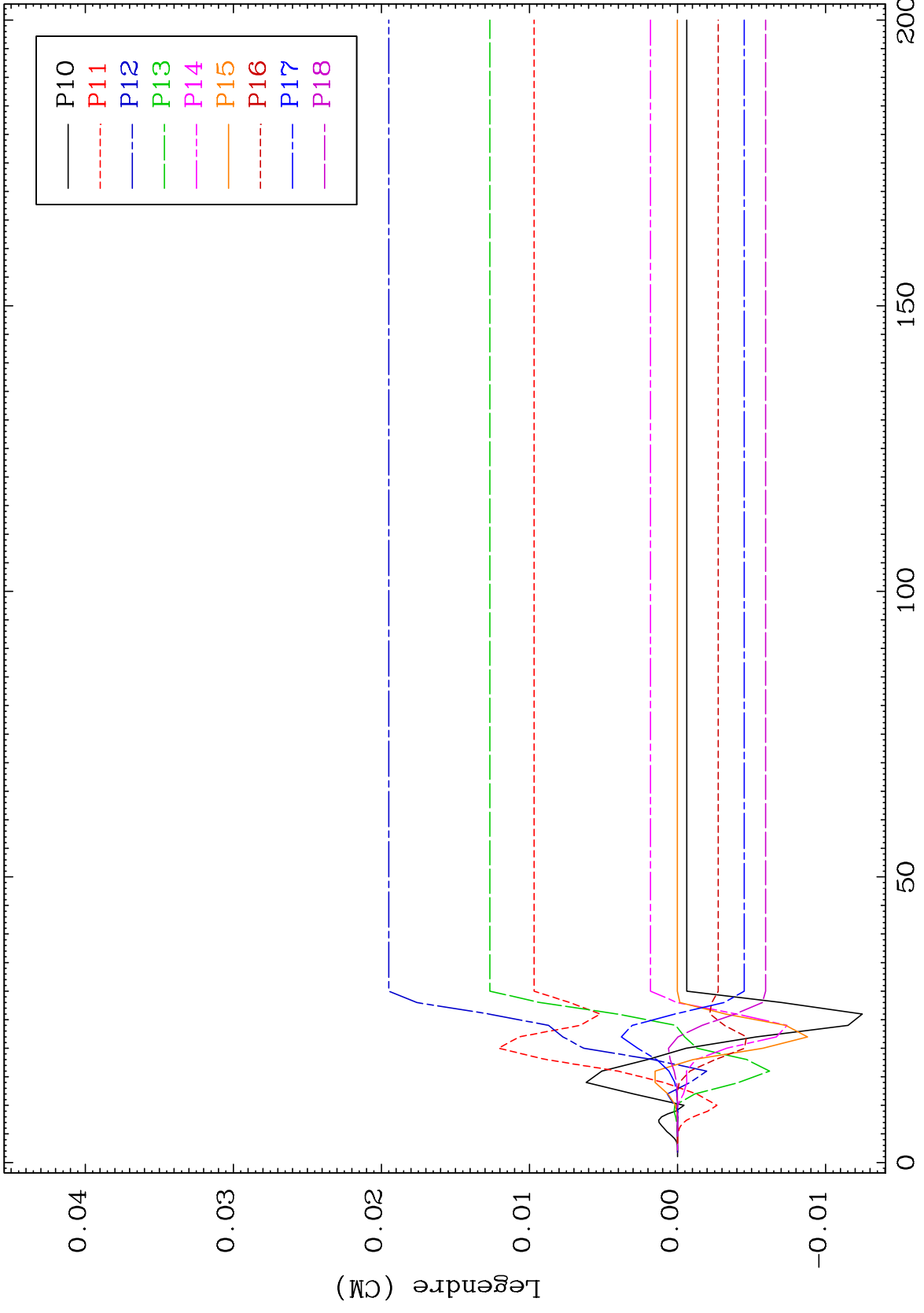


65 Incident Energy (MeV) 71-Lu-170

MAT 7110

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

71-Lu-170



66

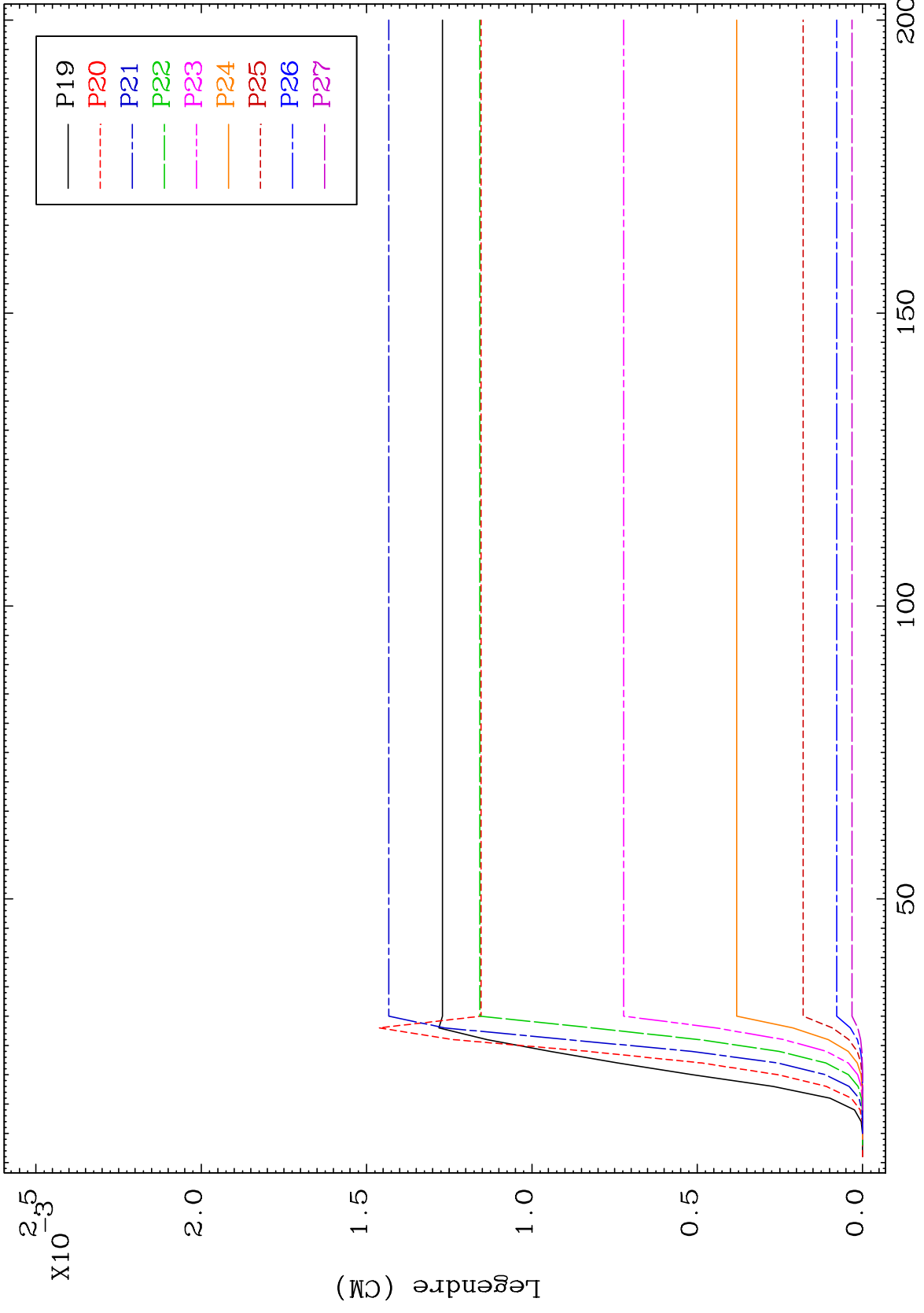
Incident Energy (MeV)

71-Lu-170

MAT 7110

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

71-Lu-170



67

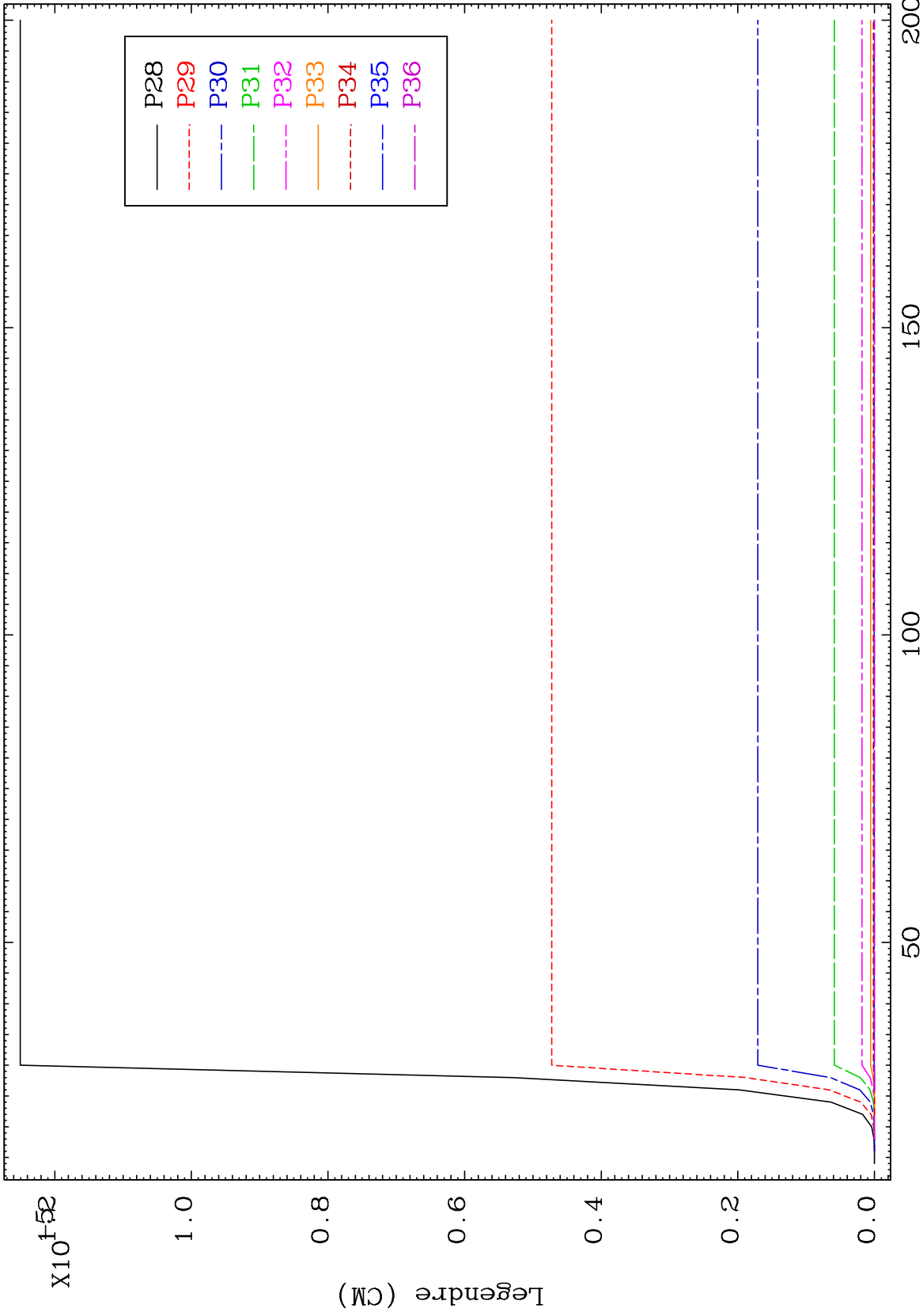
Incident Energy (MeV)

71-Lu-170

MAT 7110

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

71-Lu-170

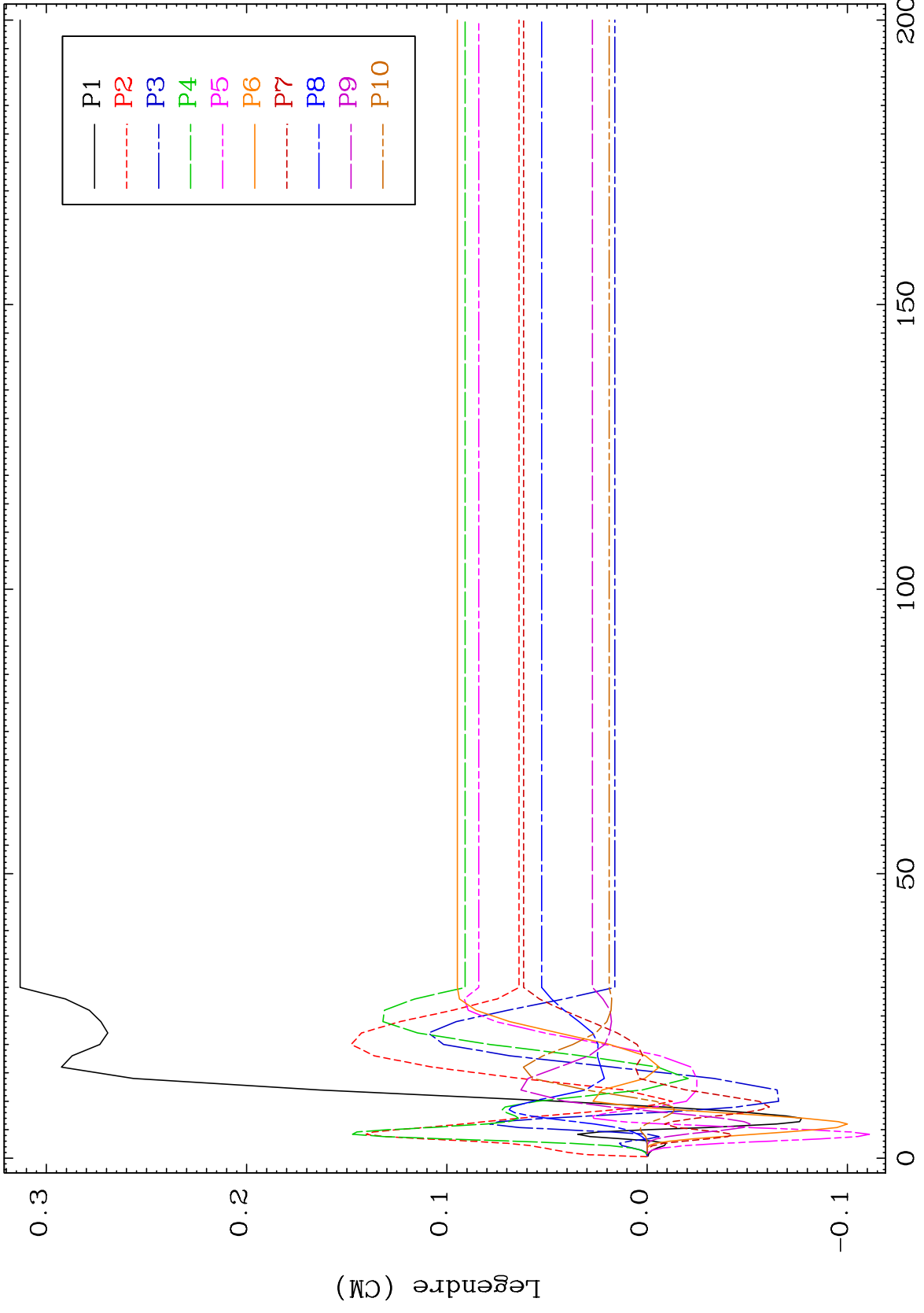


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Incident Energy (MeV)

71-Lu-170

MAT 7110 MT= 65 (n,n') Level Legendre Coefficients 71-Lu-170

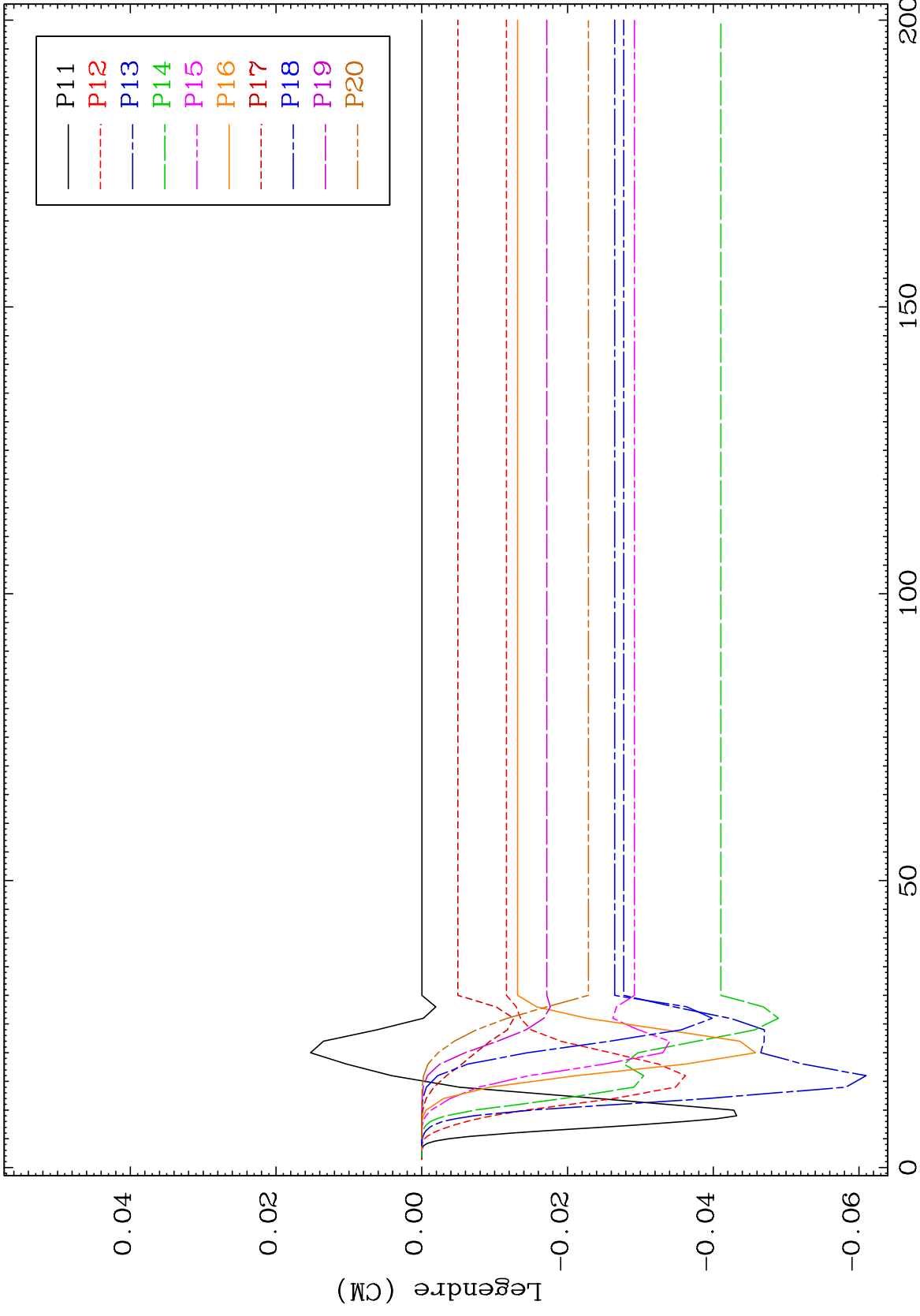


69 71-Lu-170

MAT 7110

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

71-Lu-170

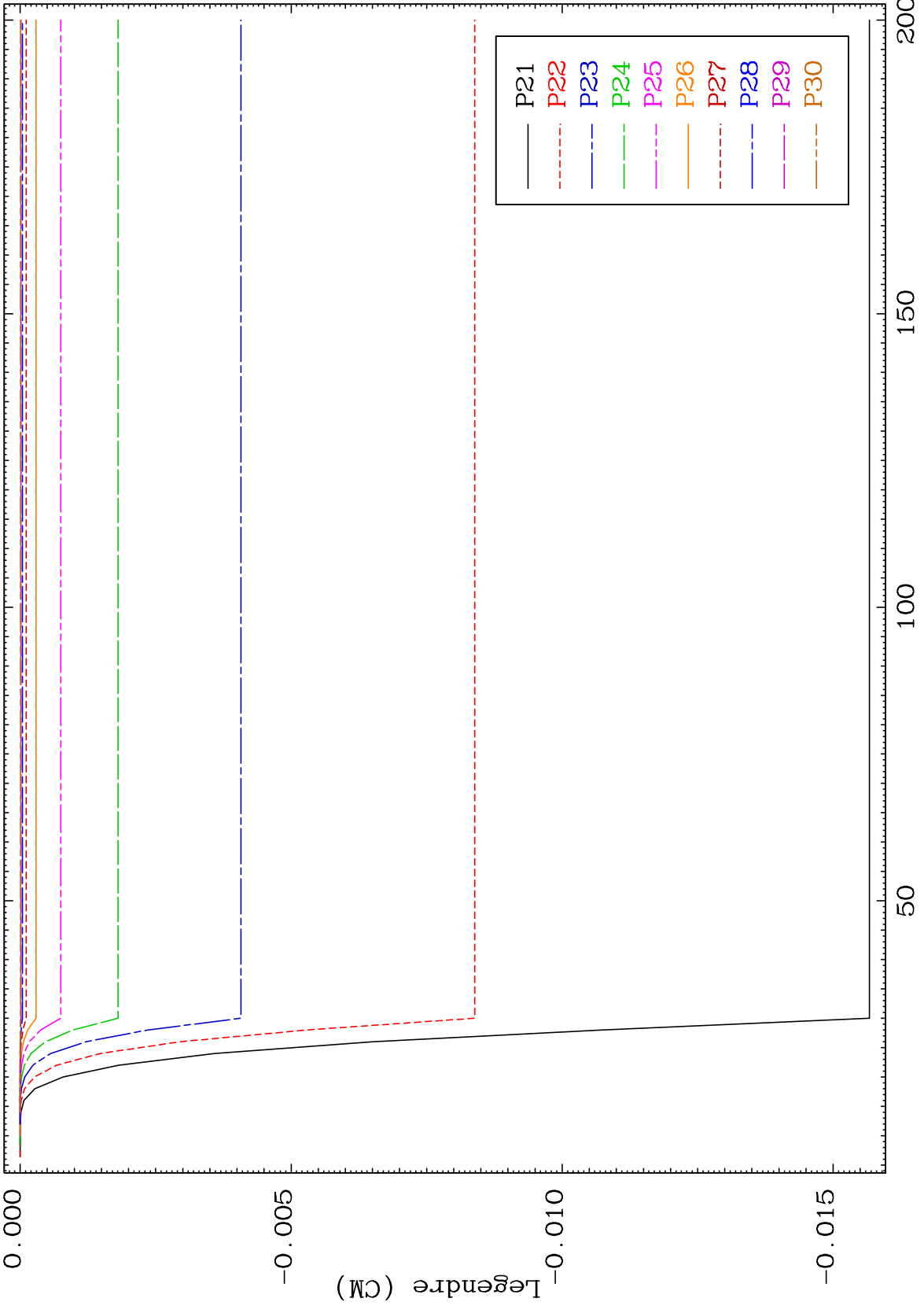


70

Incident Energy (MeV)

71-Lu-170

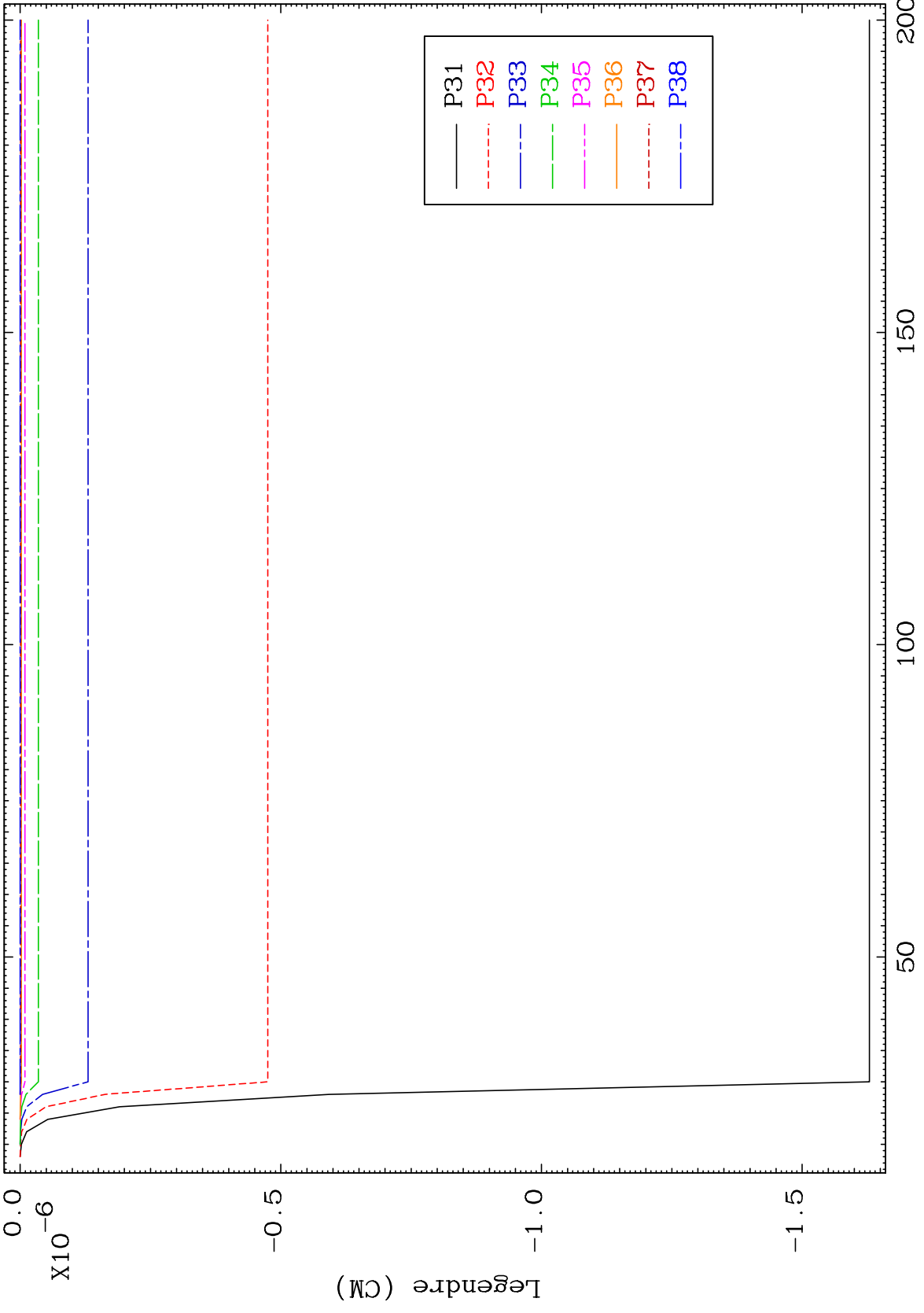
MAT 7110 MT= 65 (n,n') Level Legendre Coefficients 71-Lu-170



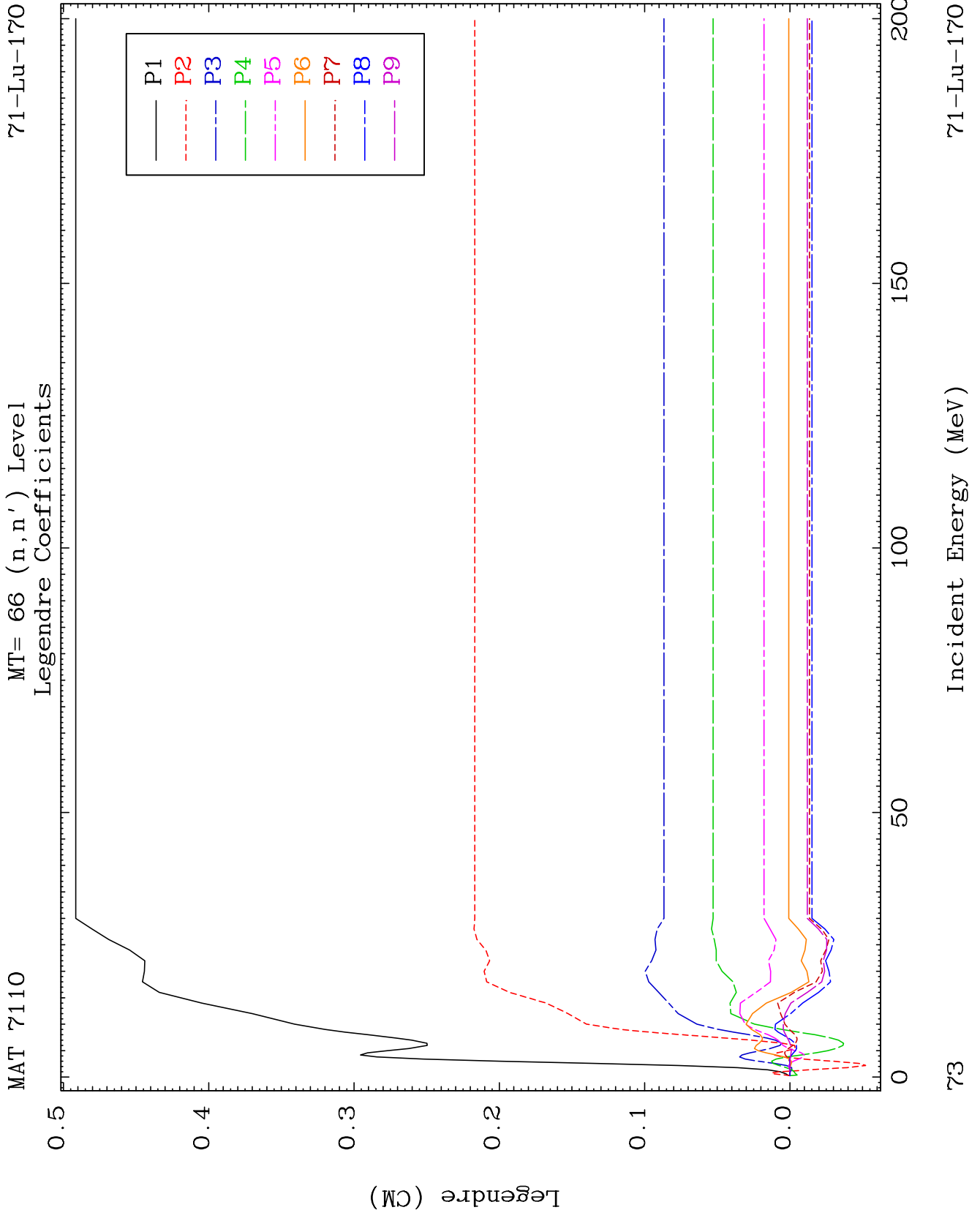
71 71-Lu-170



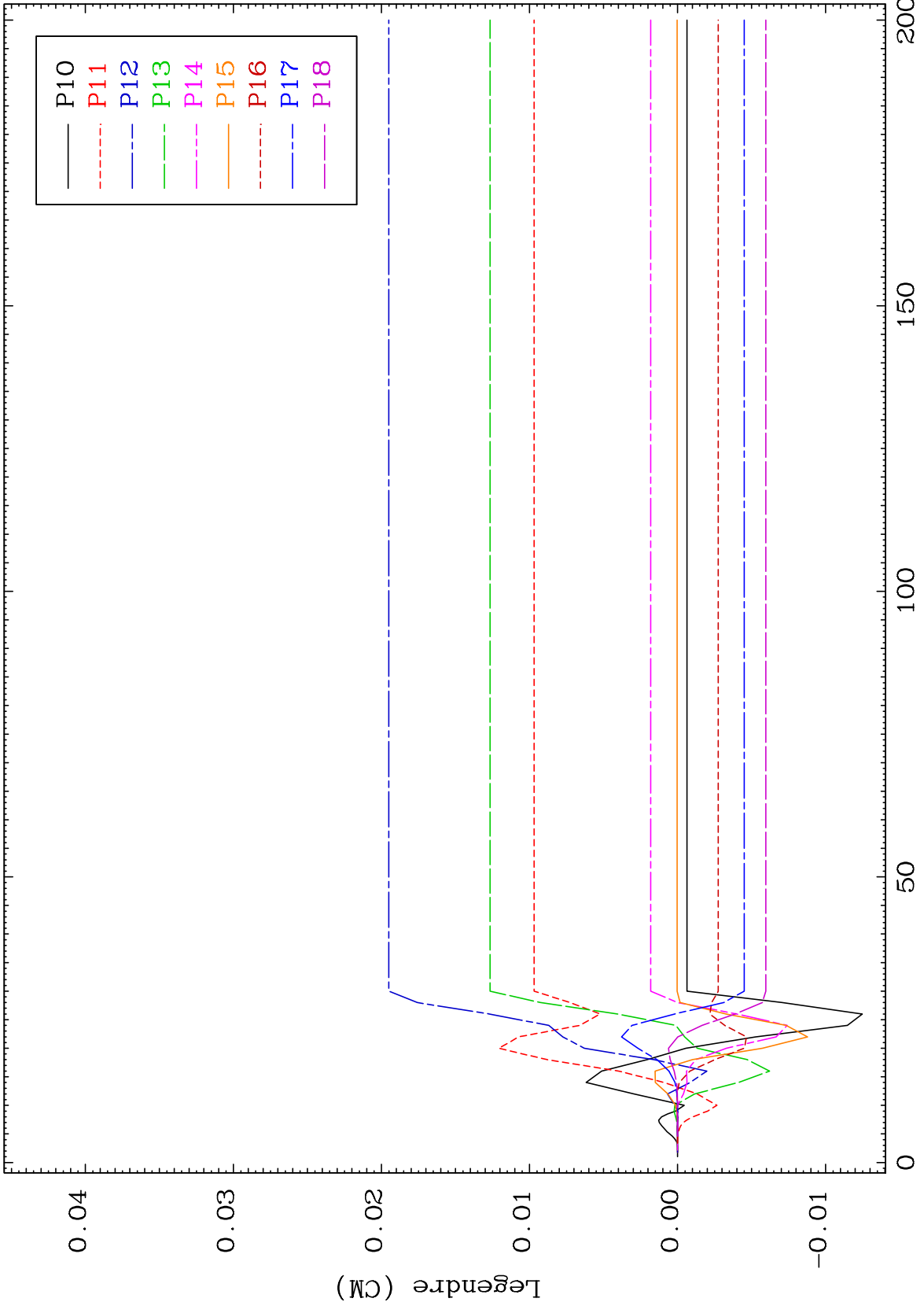
MAT 7110 MT= 65 (n,n') Level Legendre Coefficients 71-Lu-170



72 71-Lu-170

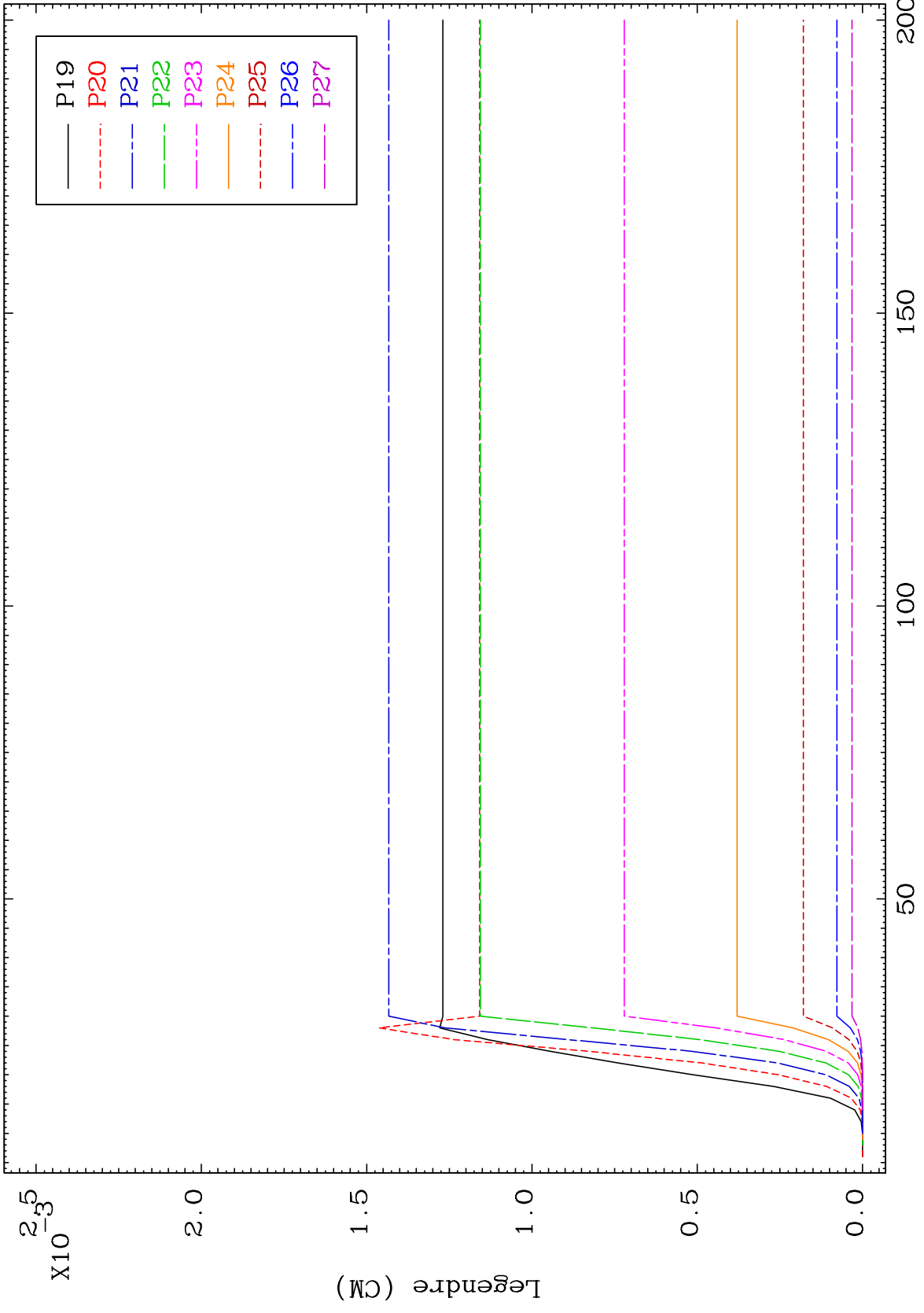


MAT 7110 MT= 66 (n,n') Level Legendre Coefficients 71-Lu-170



74 71-Lu-170

MAT 7110 MT= 66 (n,n') Level Legendre Coefficients 71-Lu-170

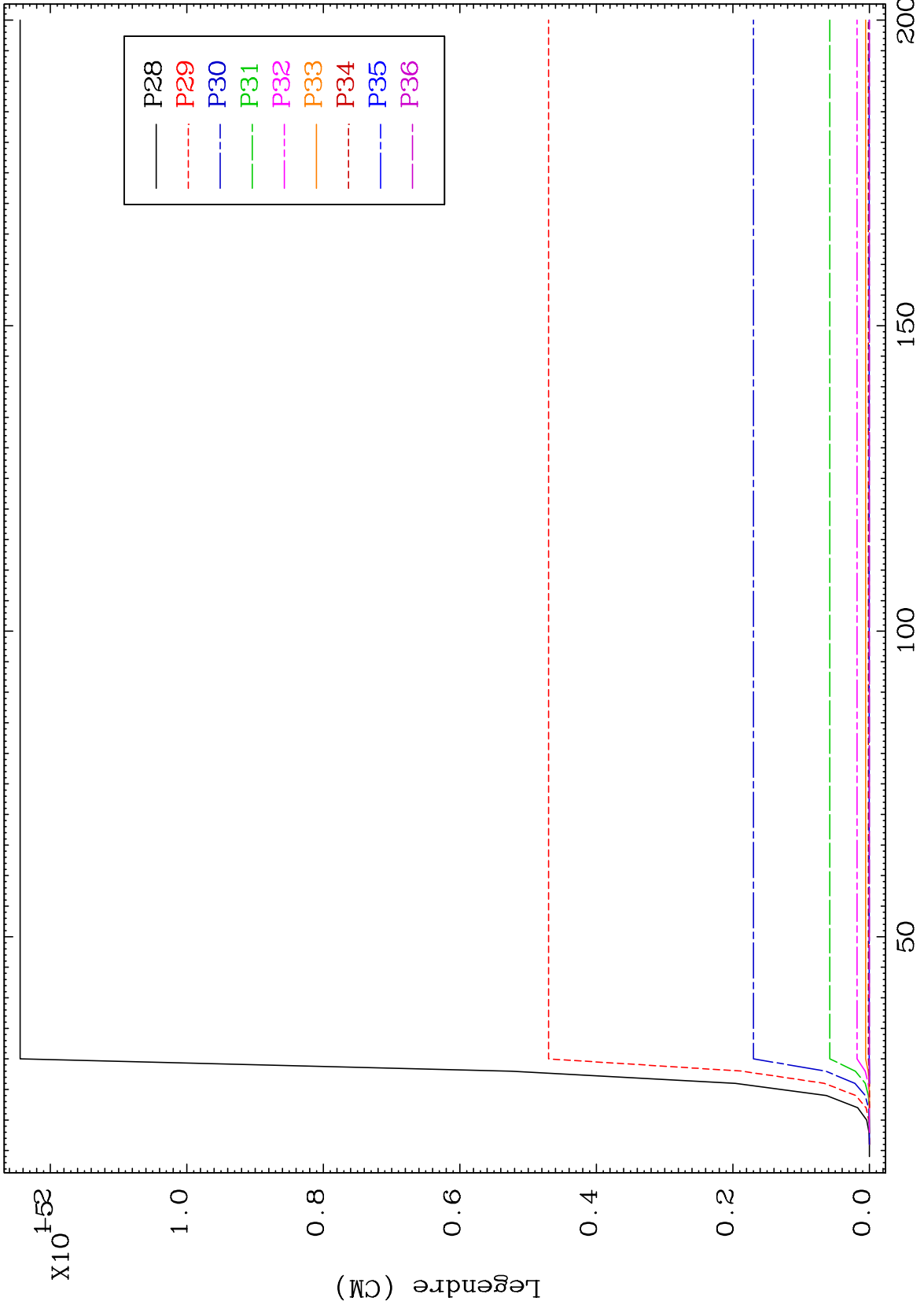


75 Incident Energy (MeV) 71-Lu-170

MAT 7110

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

71-Lu-170

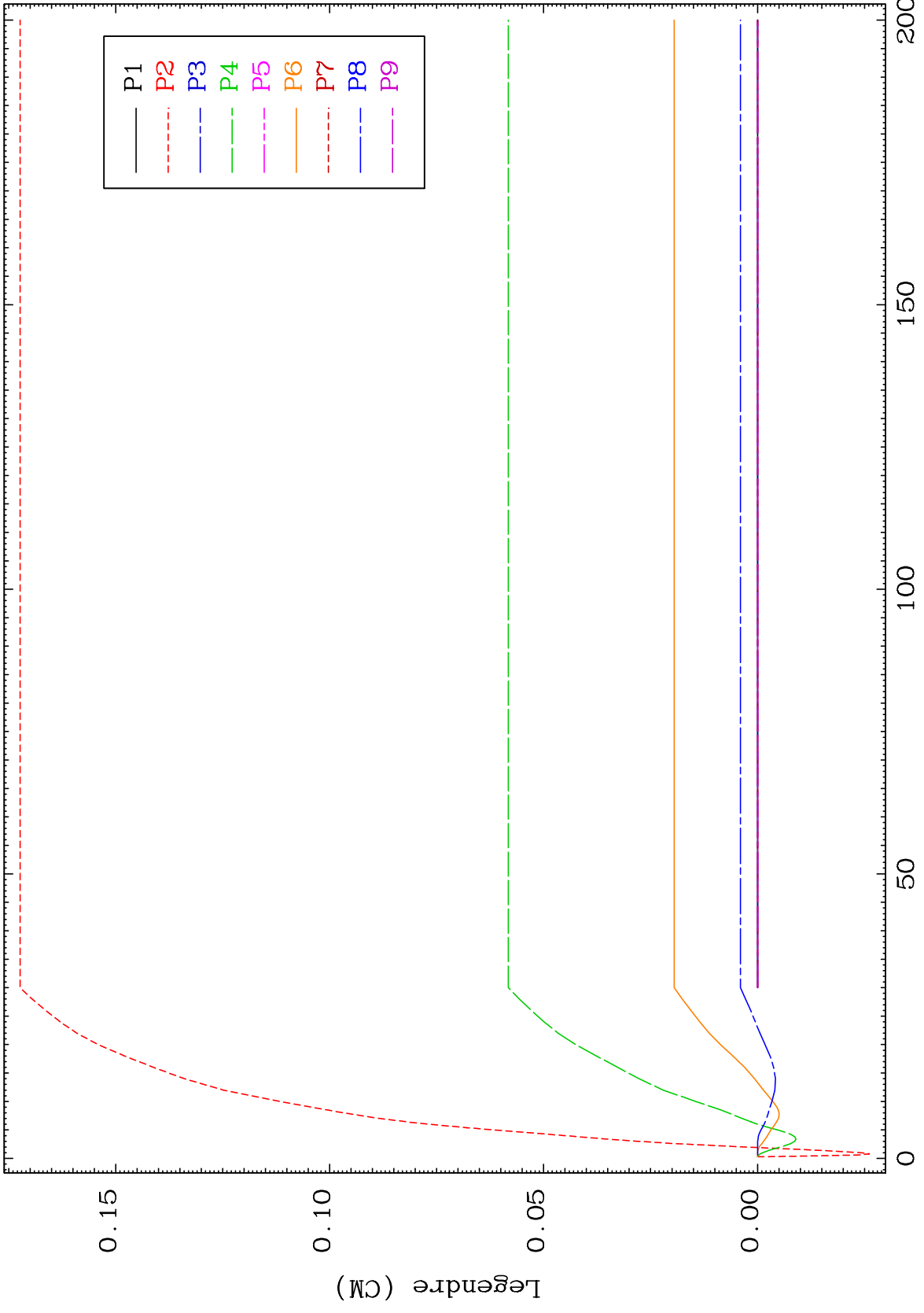


76

Incident Energy (MeV)

71-Lu-170

MAT 7110 MT= 67 (n,n') Level Legendre Coefficients 71-Lu-170

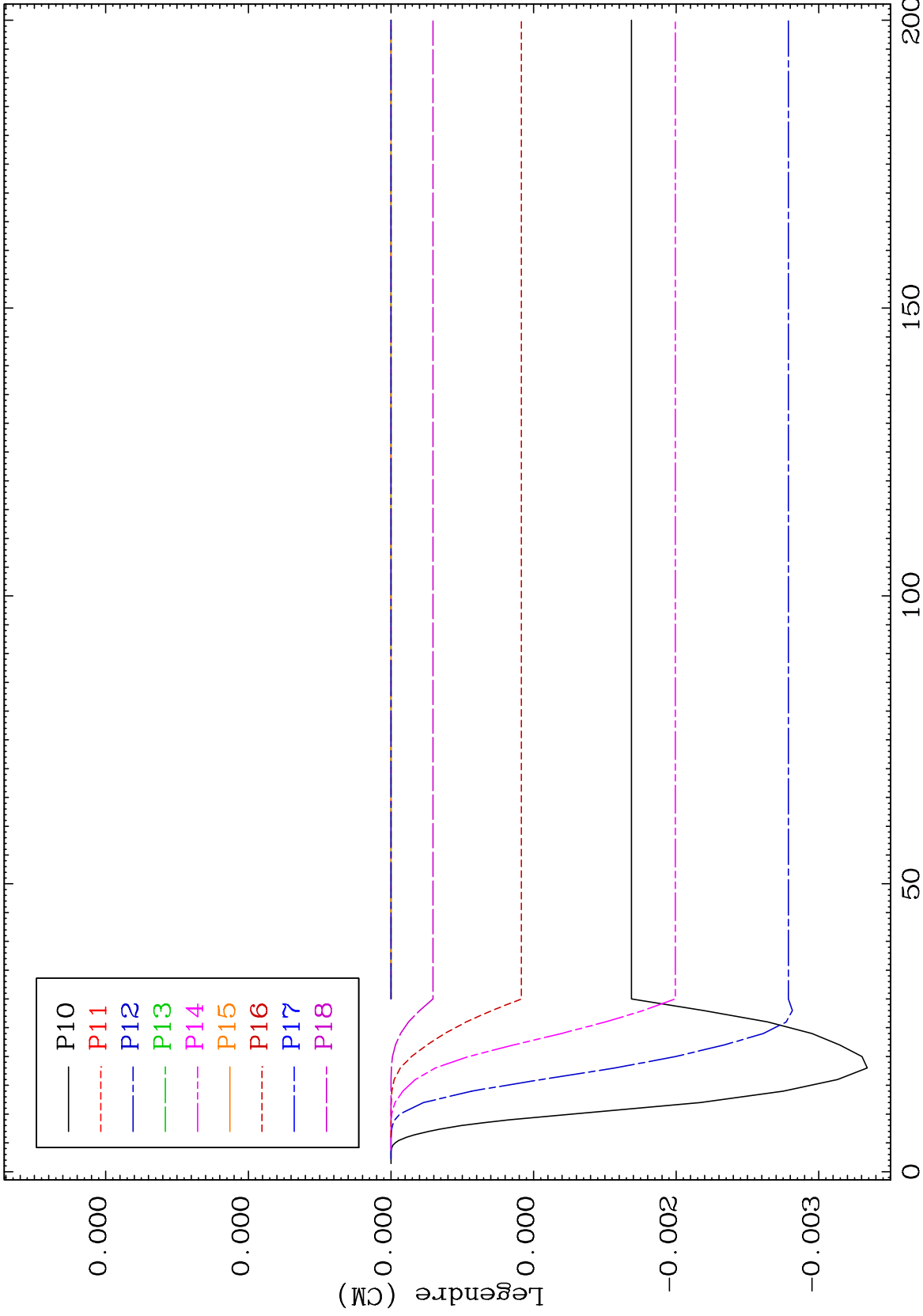


77 71-Lu-170

MAT 7110

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

71-Lu-170

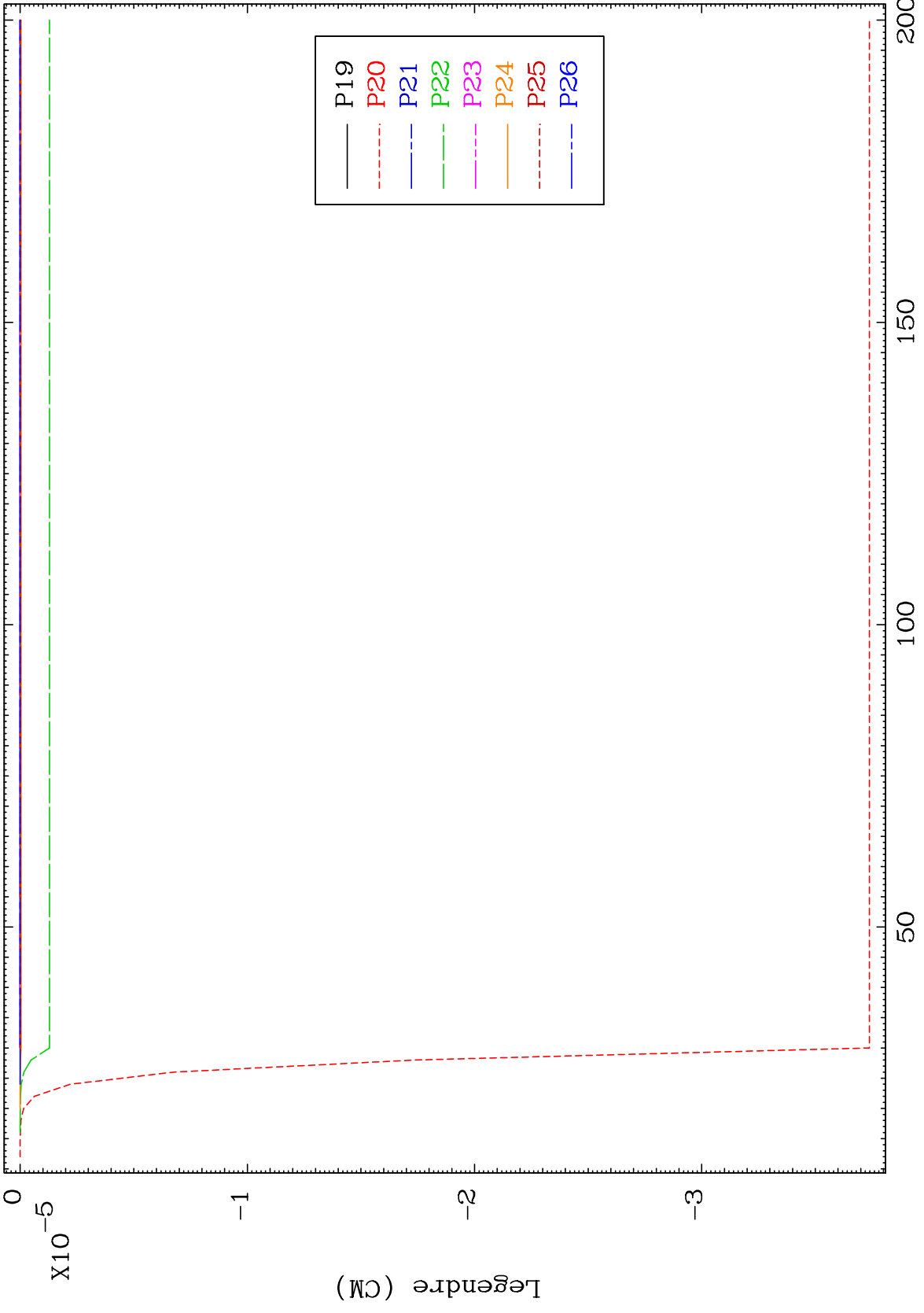


78

Incident Energy (MeV)

71-Lu-170

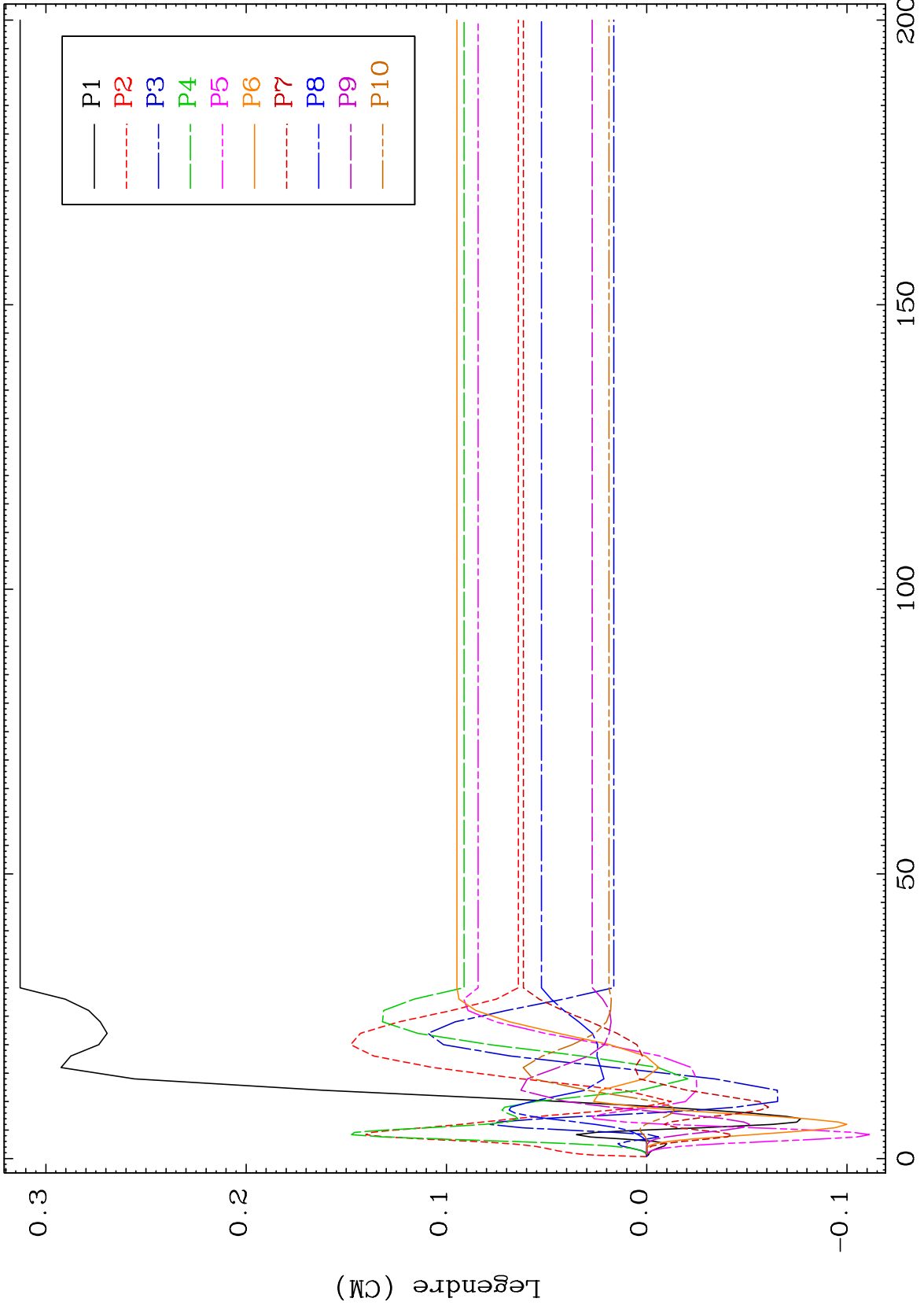
MAT 7110 MT= 67 (n,n') Level Legendre Coefficients 71-Lu-170



79 71-Lu-170



MAT 7110 MT= 68 (n,n') Level Legendre Coefficients 71-Lu-170

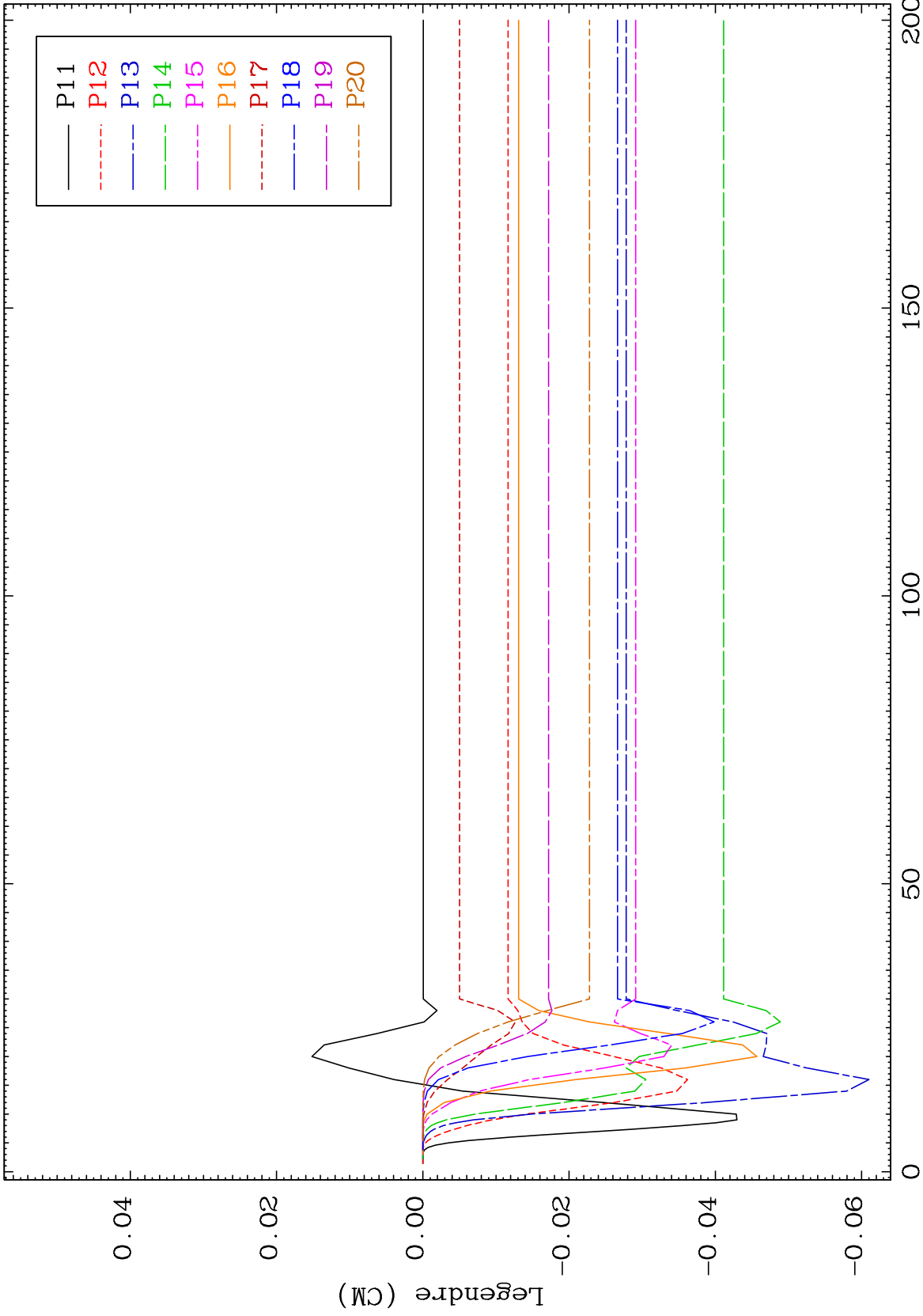


71-Lu-170

MAT 7110

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

71-Lu-170

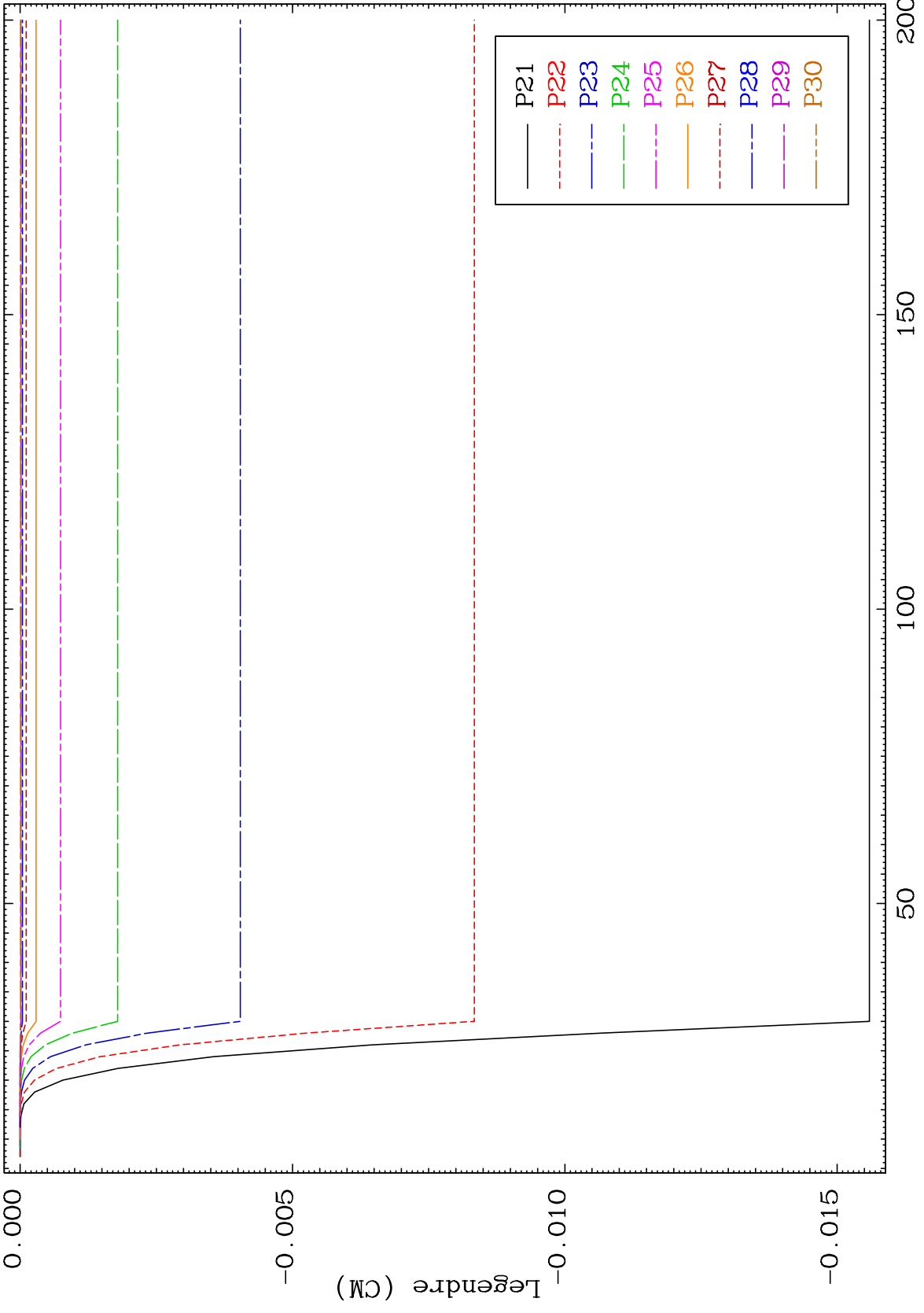


81

Incident Energy (MeV)

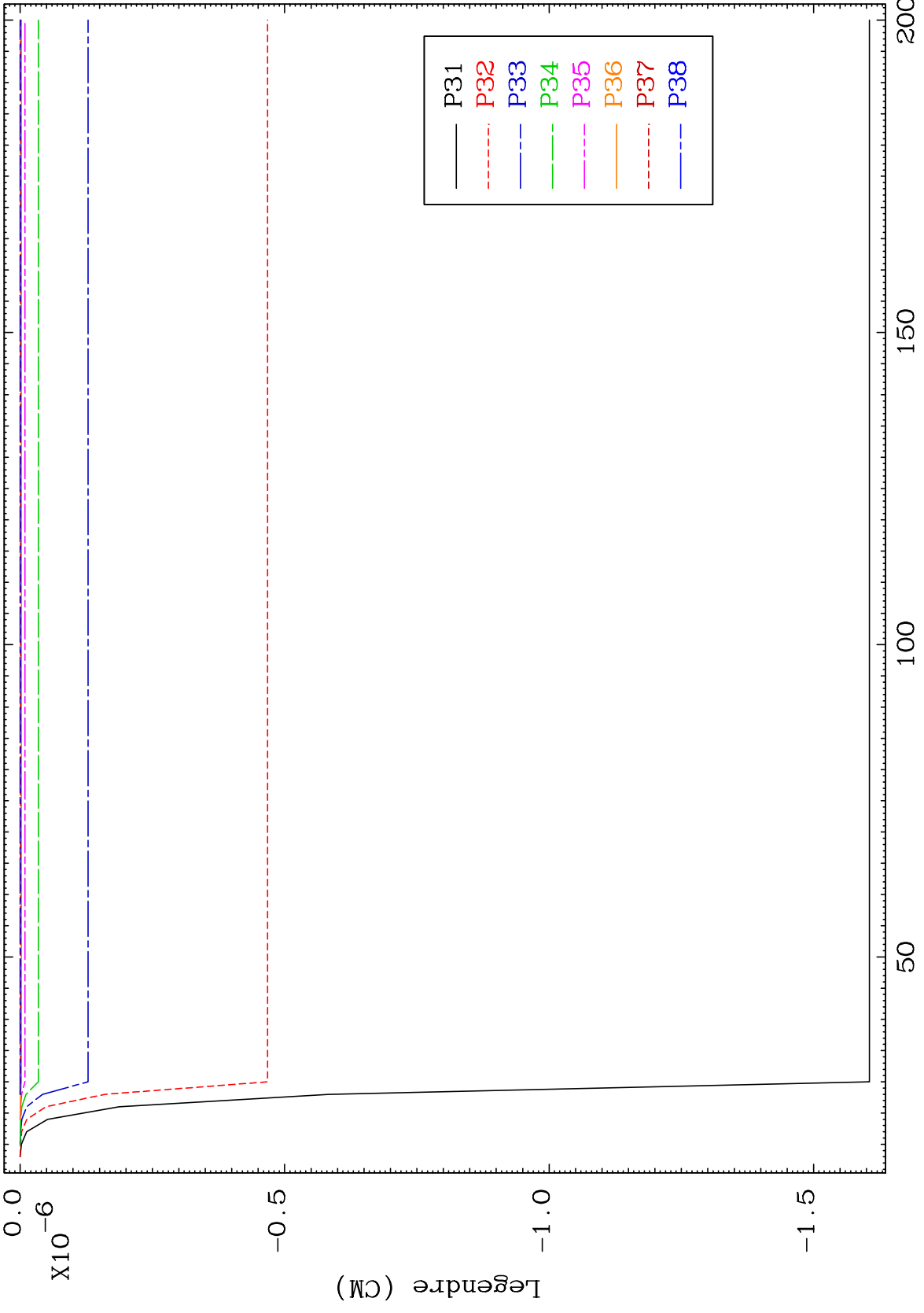
71-Lu-170

MAT 7110 MT= 68 (n,n') Level Legendre Coefficients 71-Lu-170



82 71-Lu-170

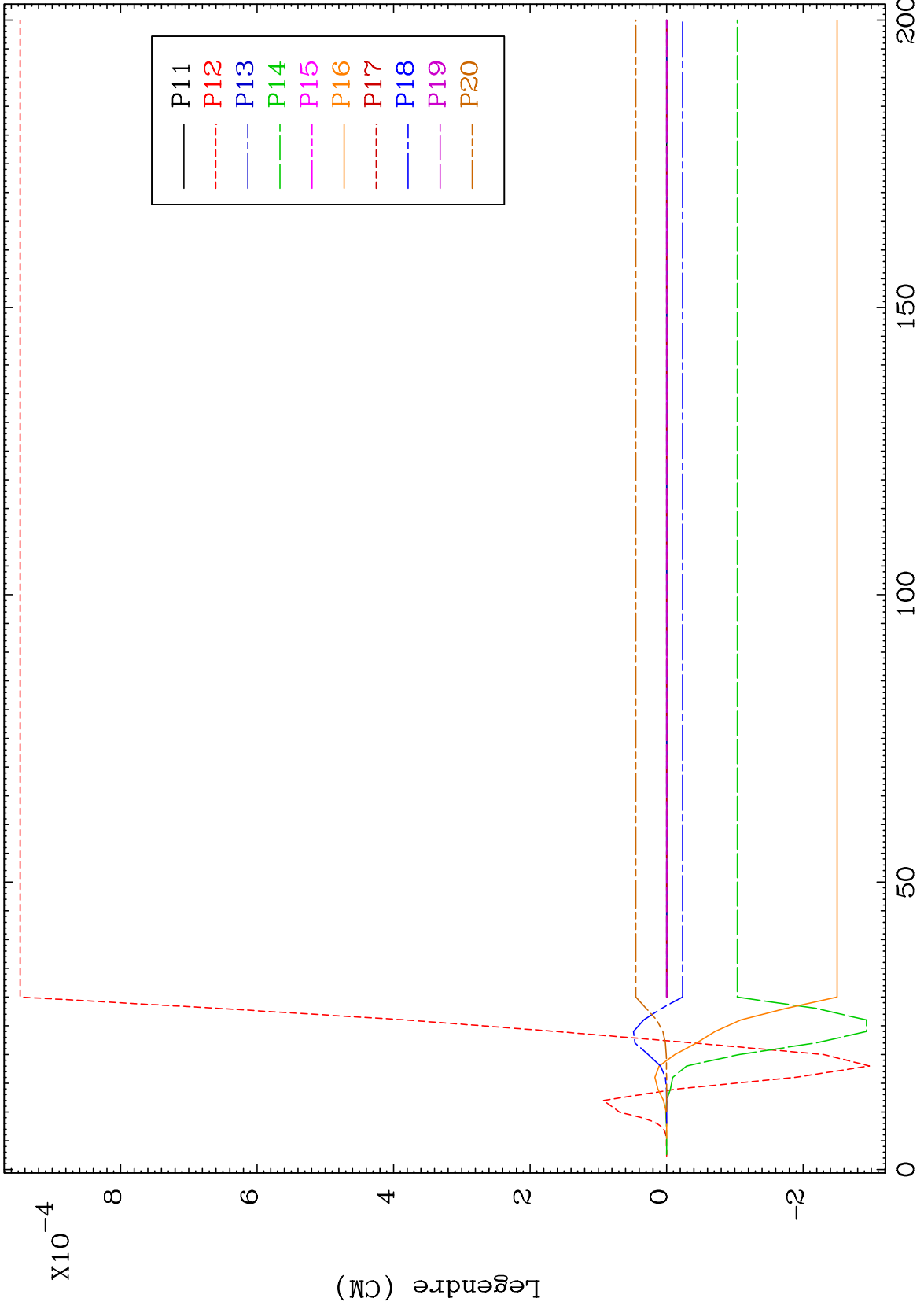
MAT 7110 MT= 68 (n,n') Level Legendre Coefficients 71-Lu-170



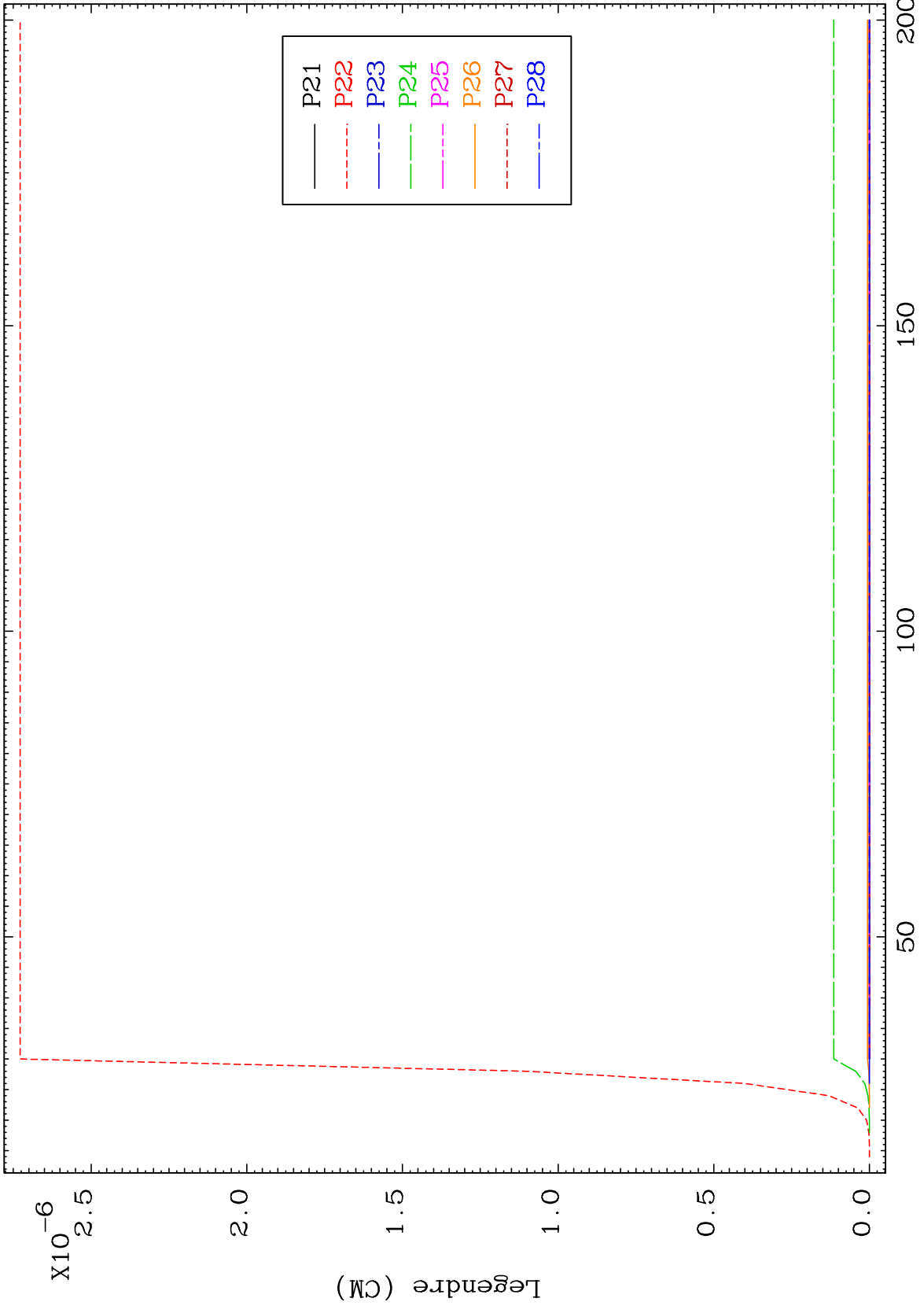
83 71-Lu-170



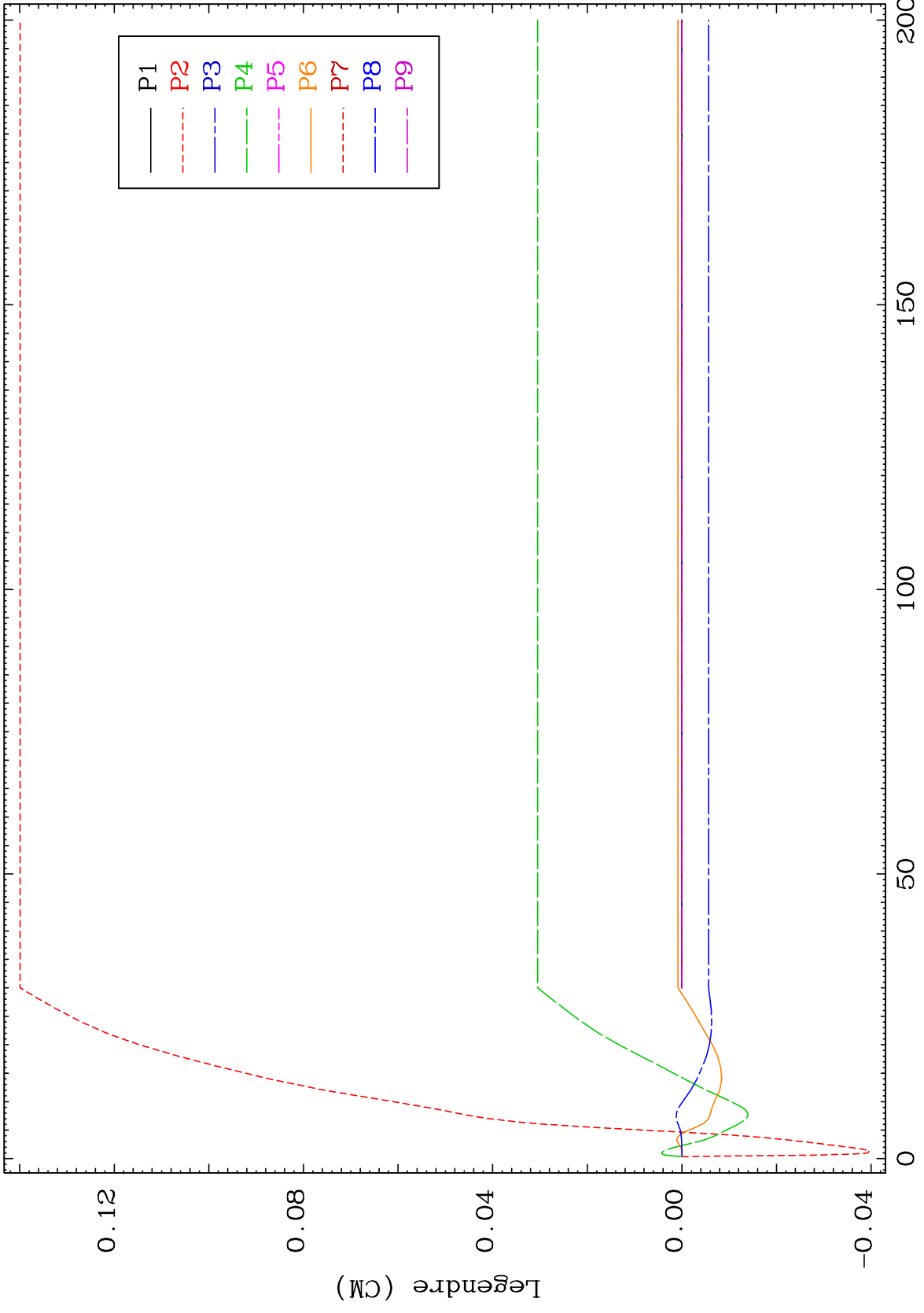
MAT 7110 MT= 69 (n,n') Level Legendre Coefficients 71-Lu-170



85 Incident Energy (MeV) 71-Lu-170



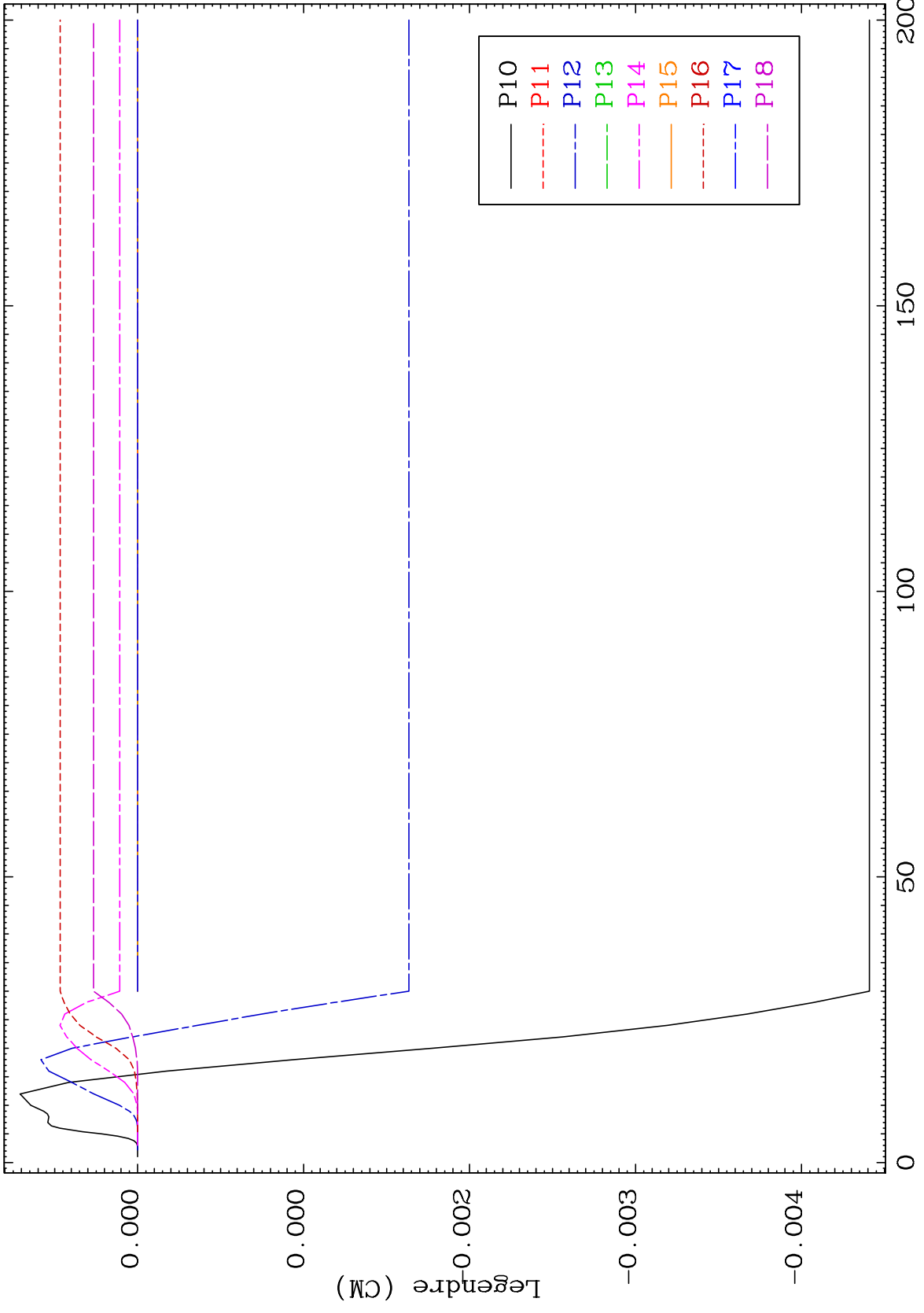
MAT 7110 MT= 70 (n,n') Level Legendre Coefficients 71-Lu-170



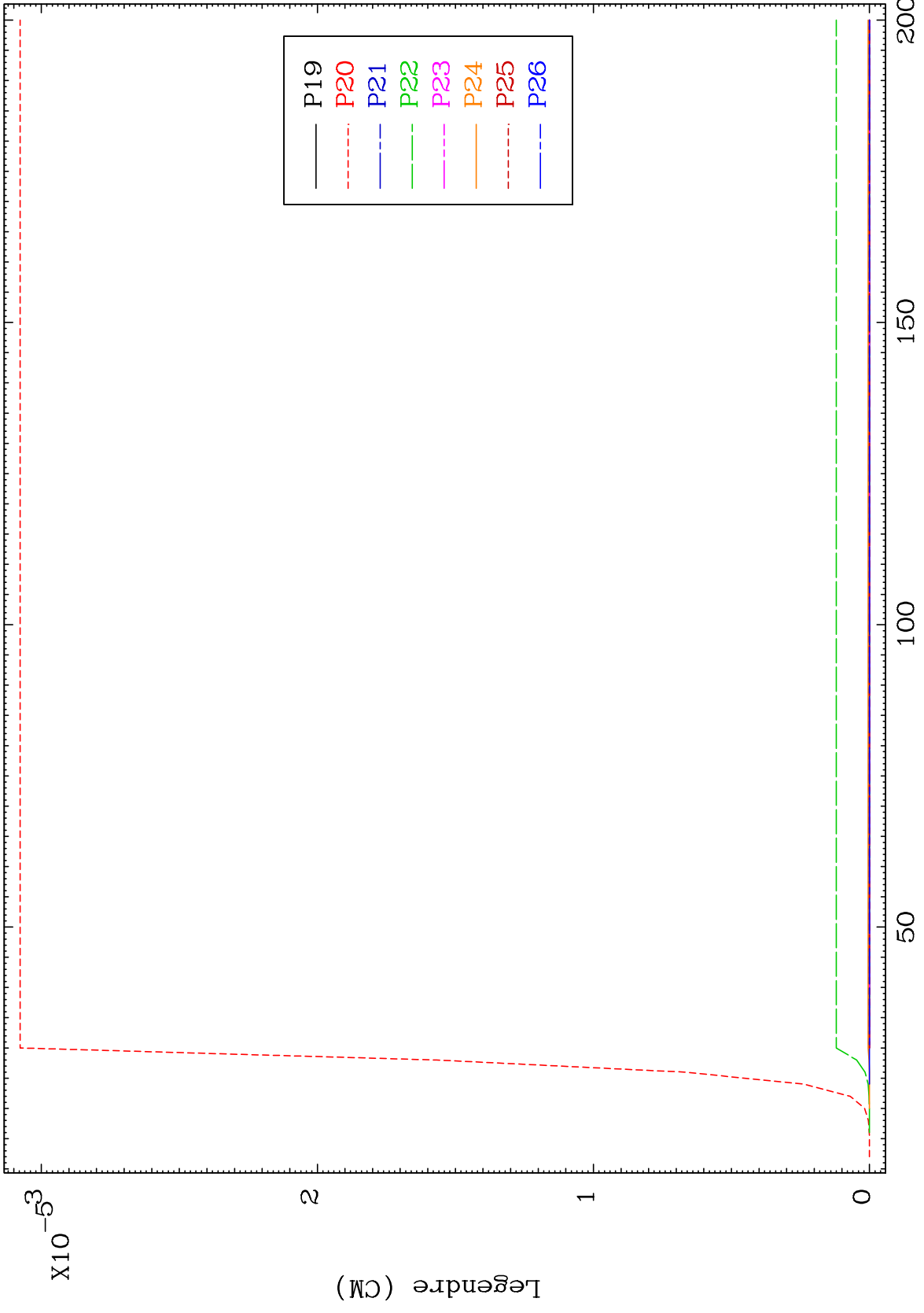
87 71-Lu-170



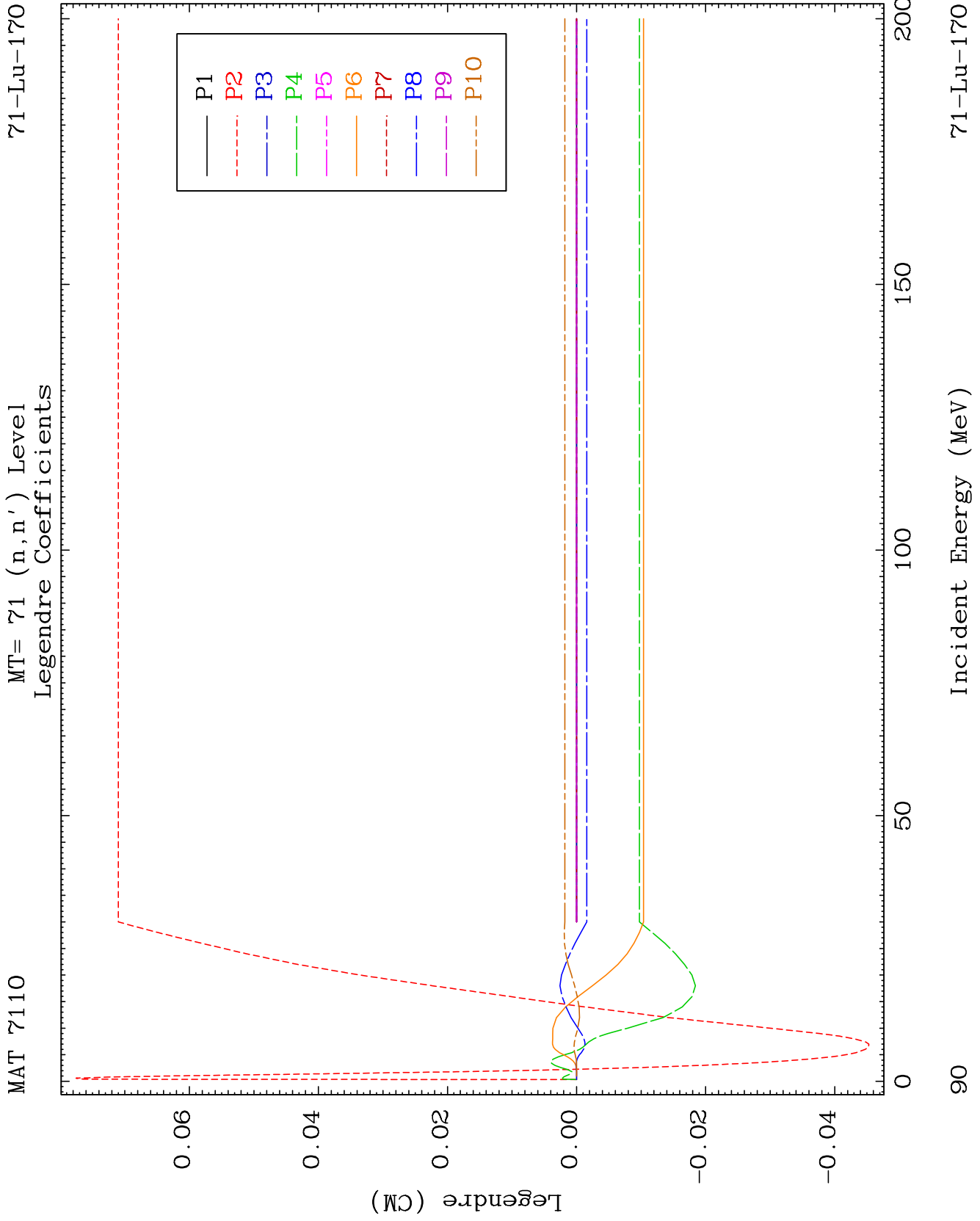
MAT 7110 MT= 70 (n,n') Level Legendre Coefficients 71-Lu-170

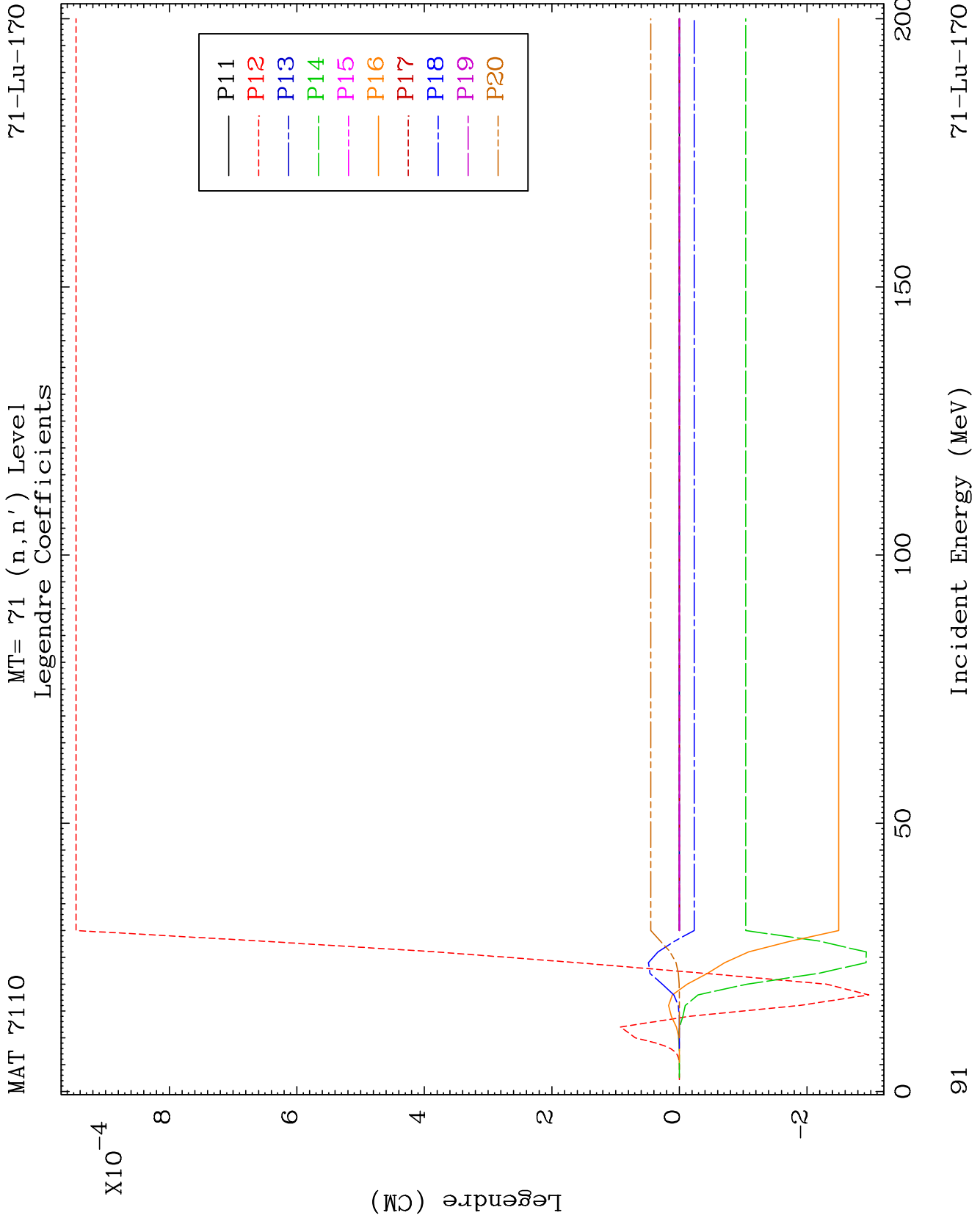


MAT 7110 MT= 70 (n,n') Level Legendre Coefficients 71-Lu-170

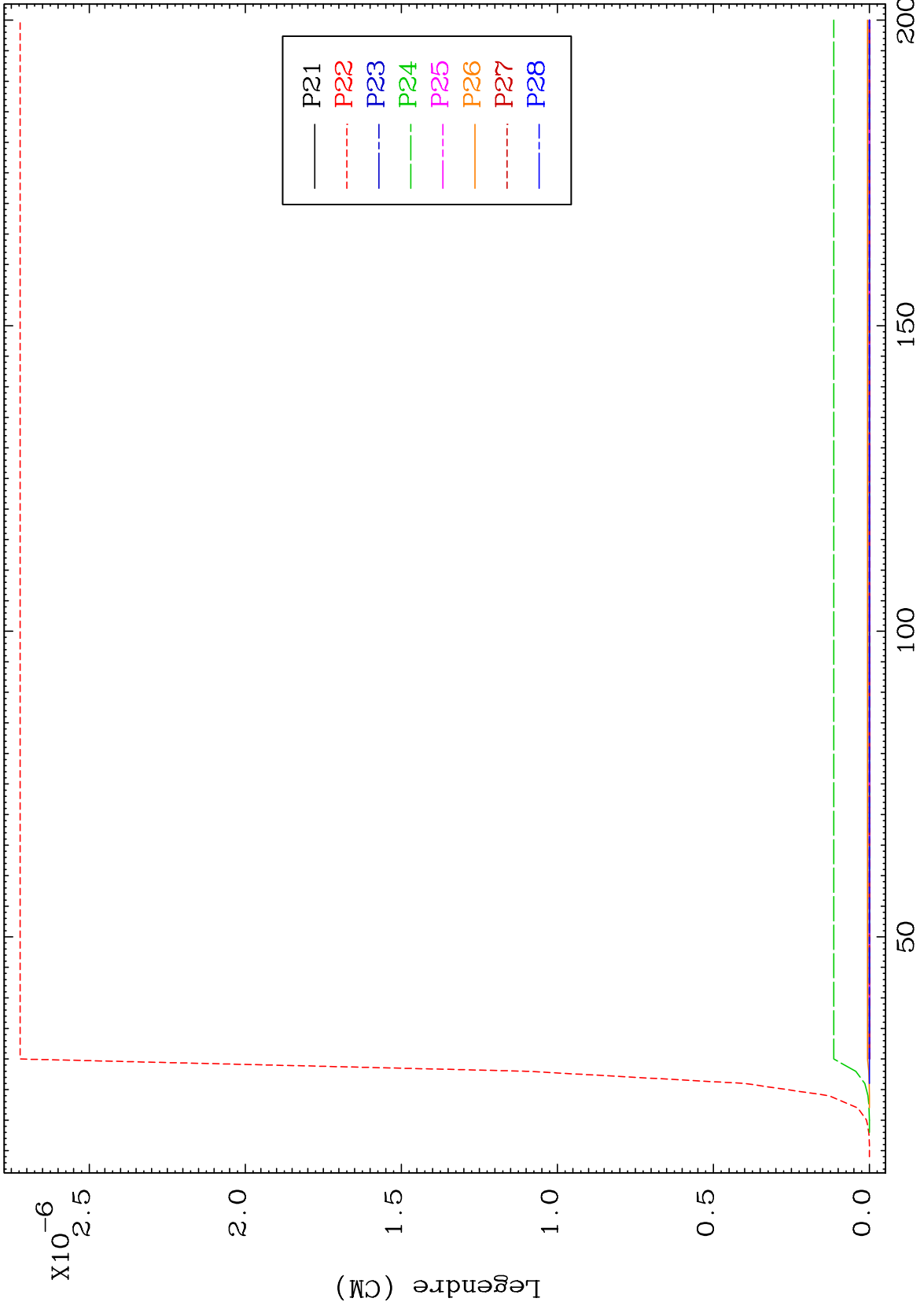


89 71-Lu-170





MAT 7110 MT= 71 (n,n') Level Legendre Coefficients 71-Lu-170

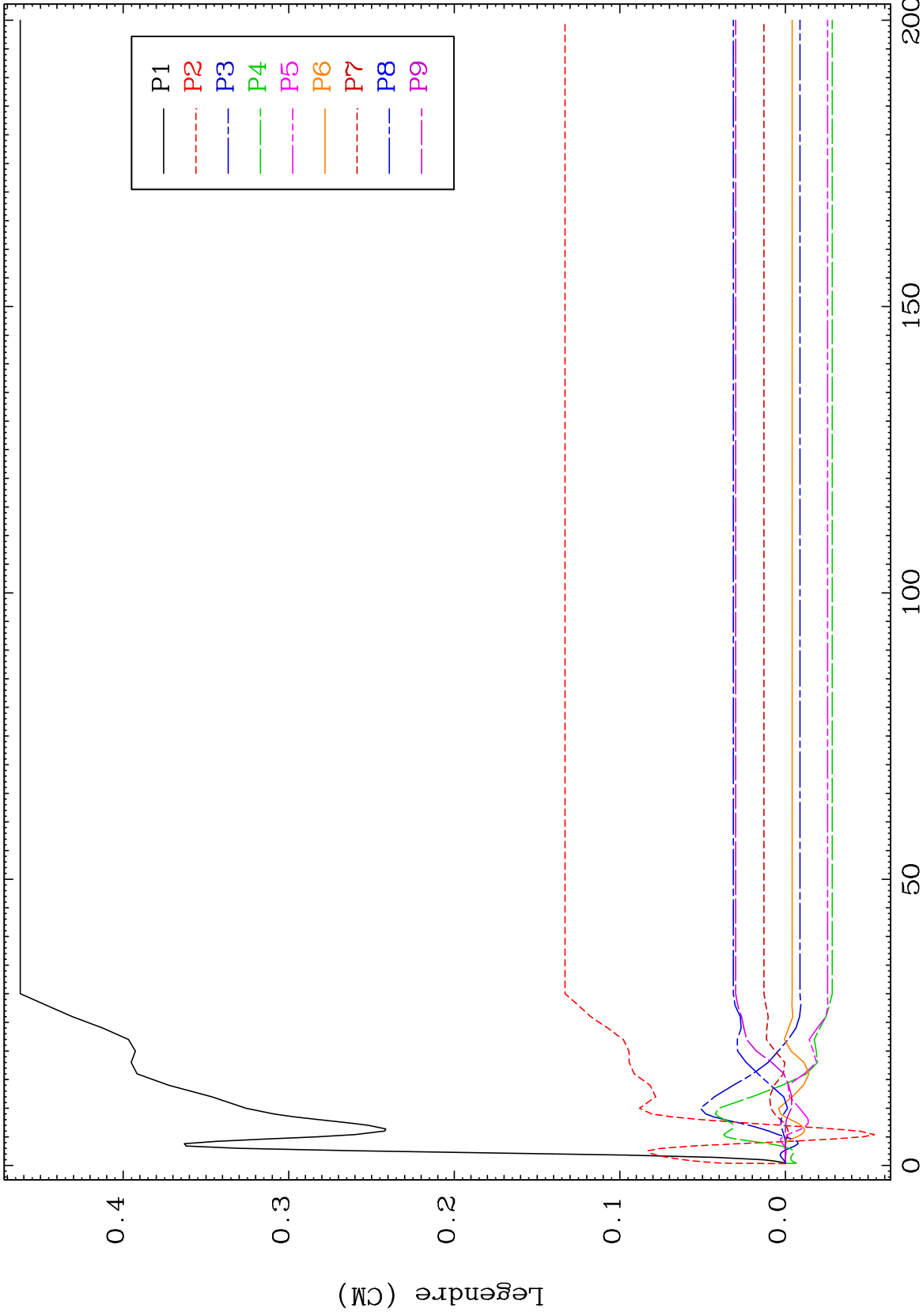


92 71-Lu-170

MAT 7110

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

71-Lu-170

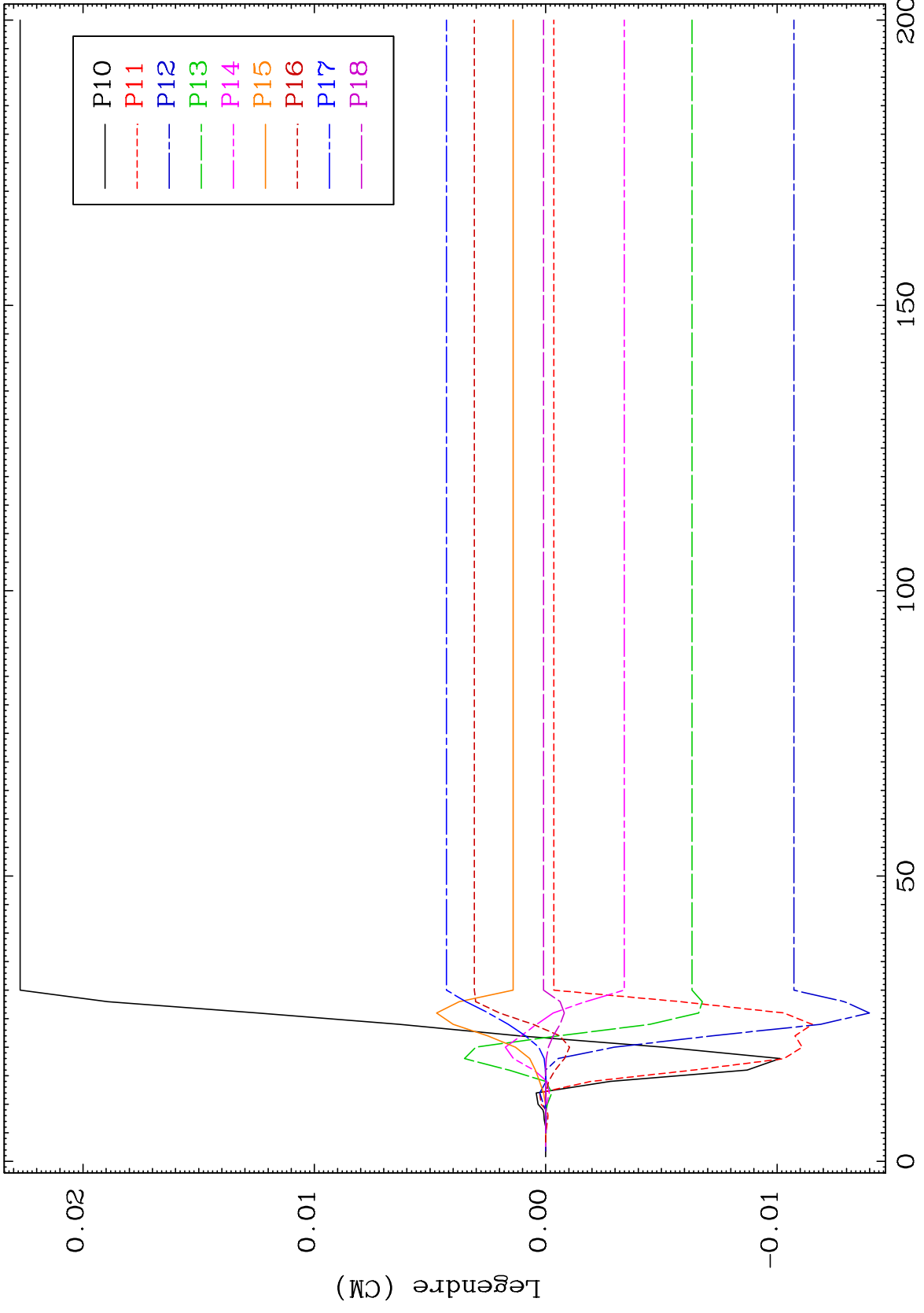


93

Incident Energy (MeV)

71-Lu-170

MAT 7110 MT= 72 (n,n') Level Legendre Coefficients 71-Lu-170

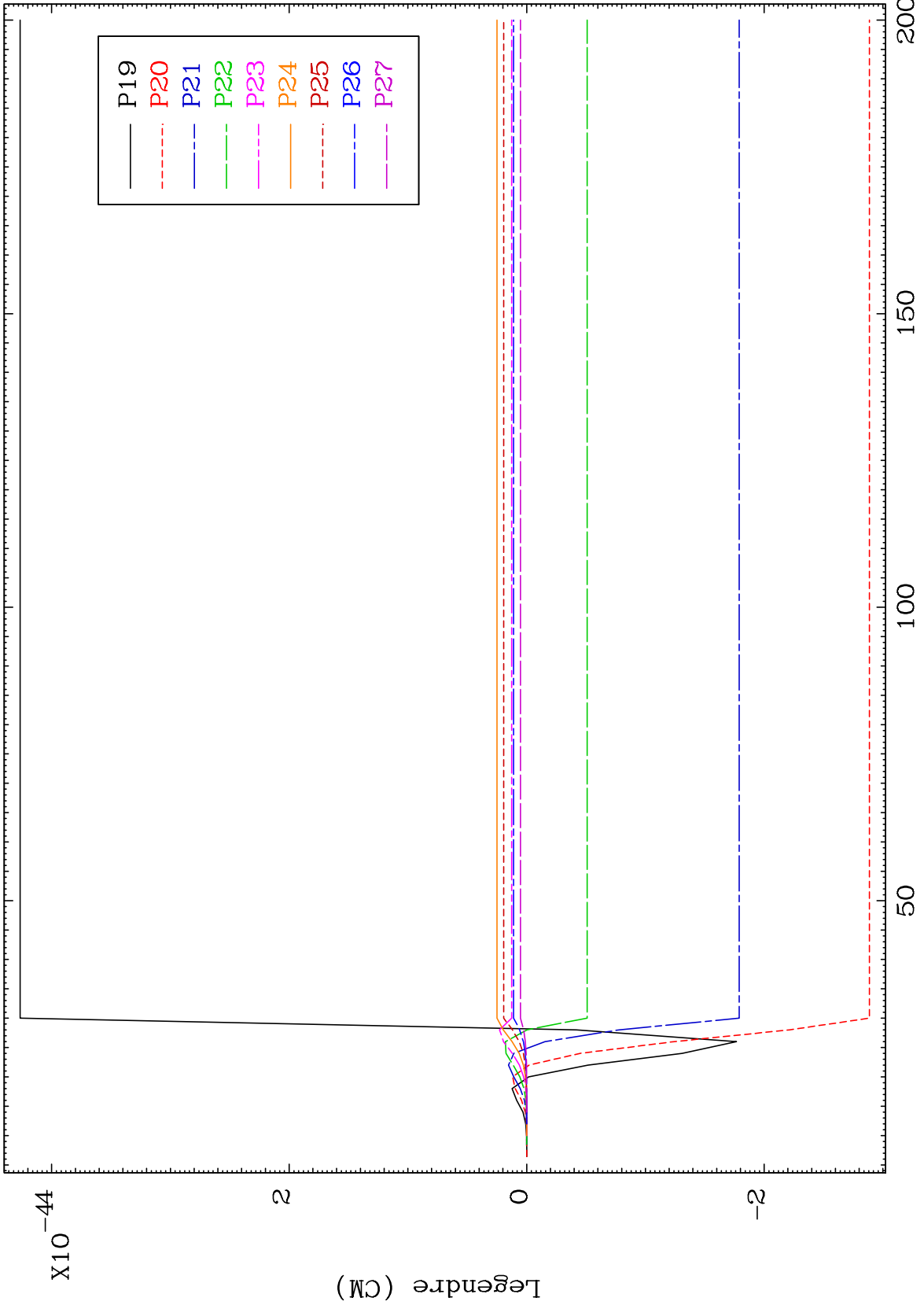


94 71-Lu-170

MAT 7110

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

71-Lu-170



95

Incident Energy (MeV)

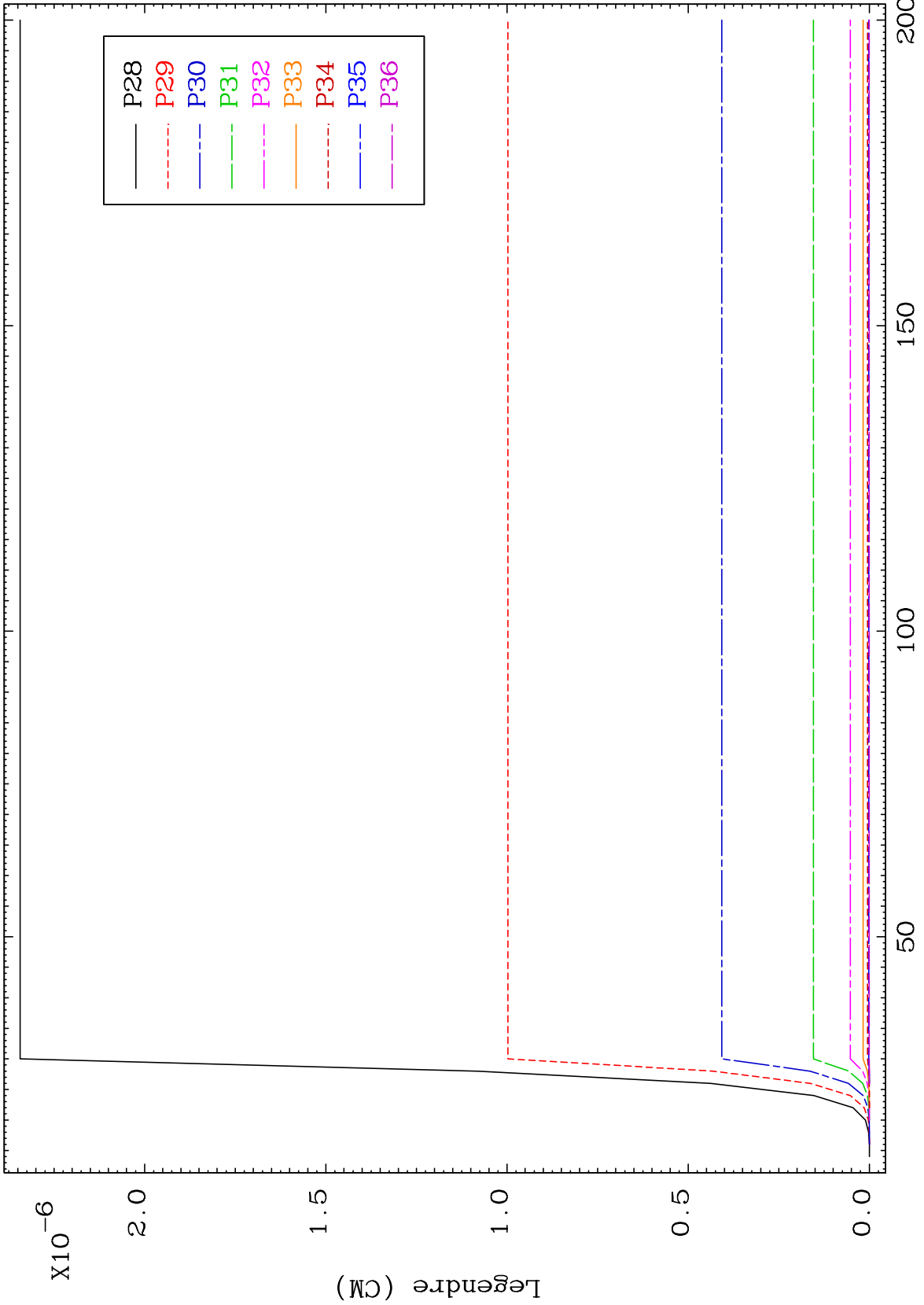
71-Lu-170



MAT 7110

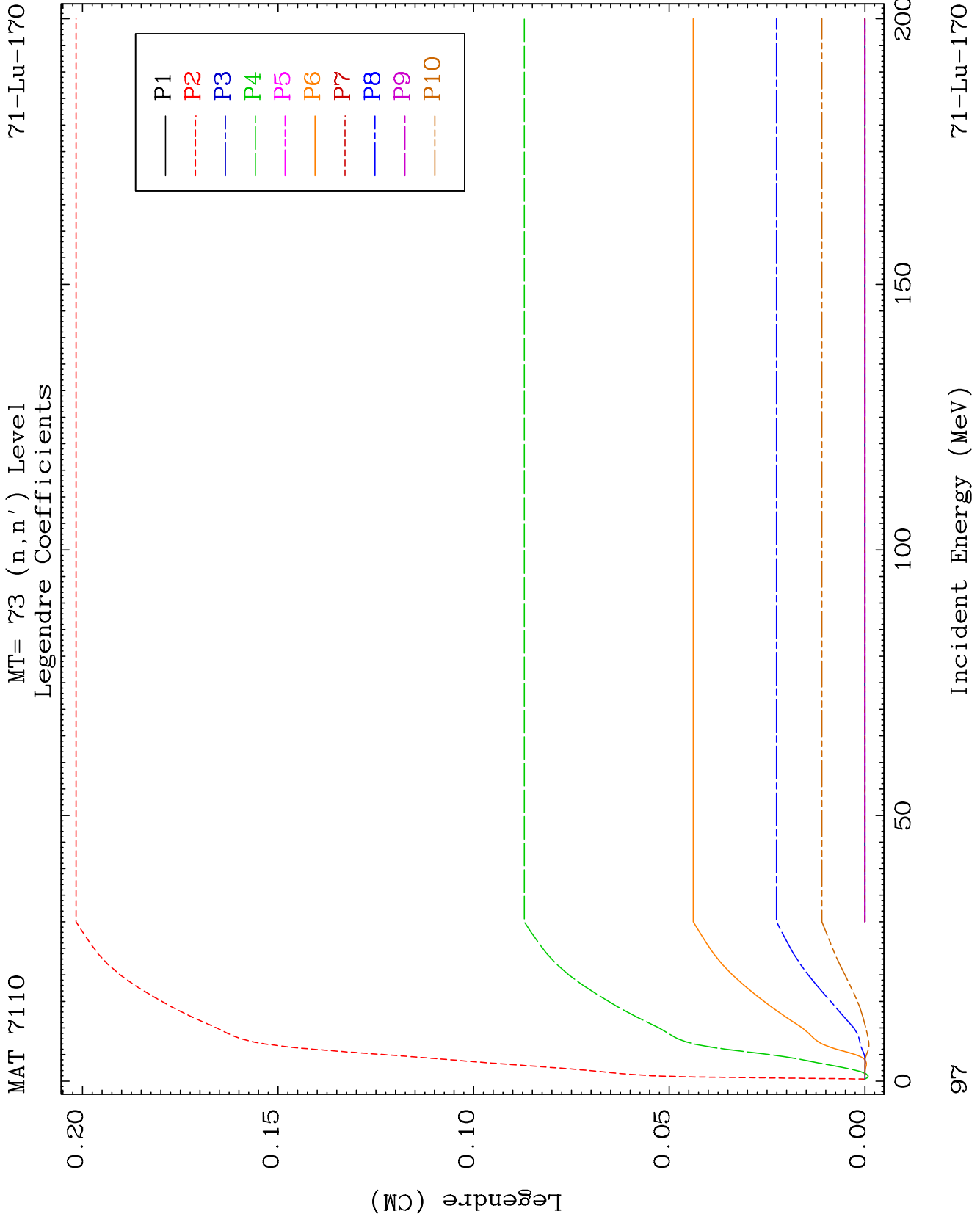
MT= 72 (n,n') Level  
Legendre Coefficients

71-Lu-170

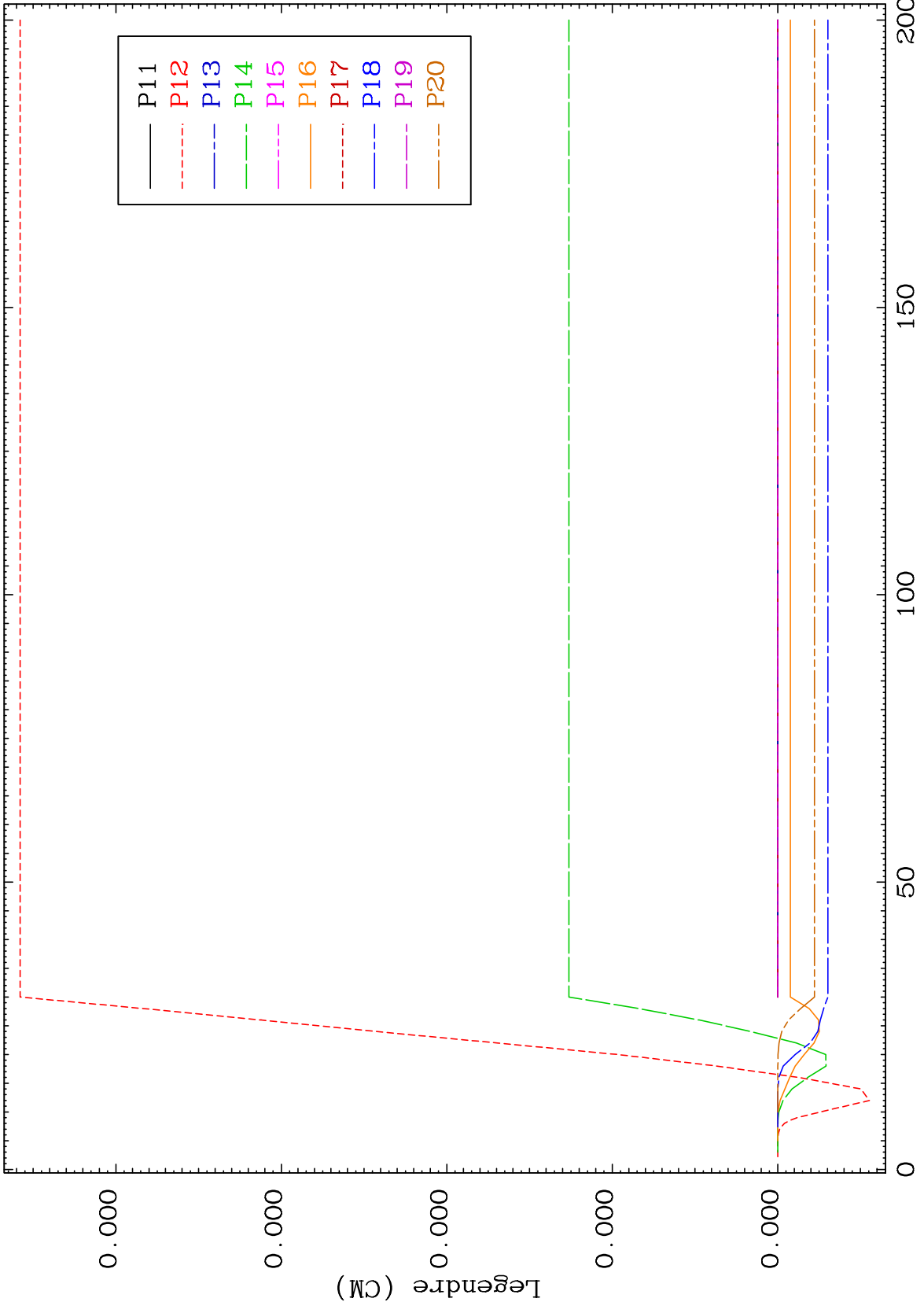


96

71-Lu-170

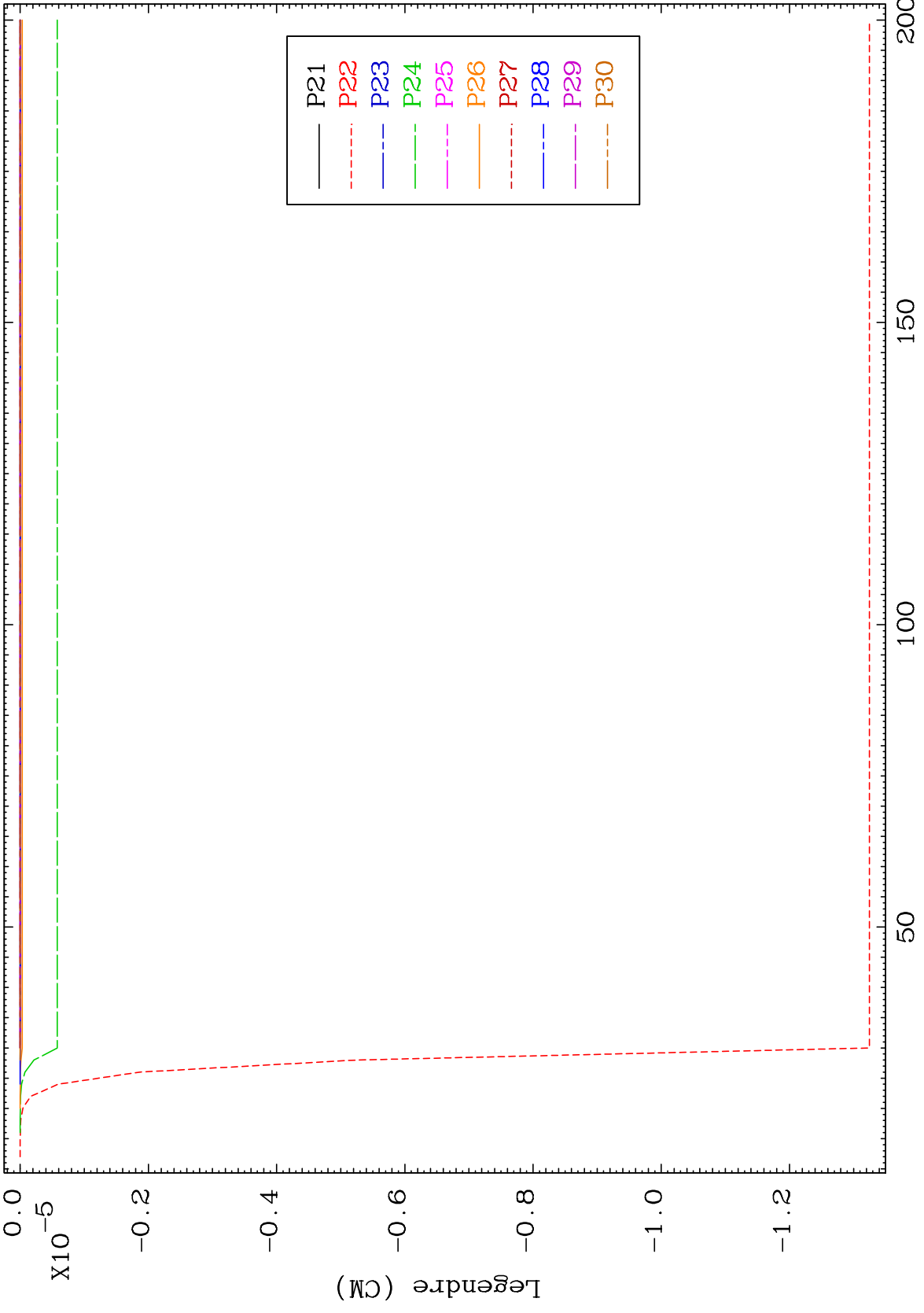


MAT 7110 MT= 73 (n,n') Level Legendre Coefficients 71-Lu-170

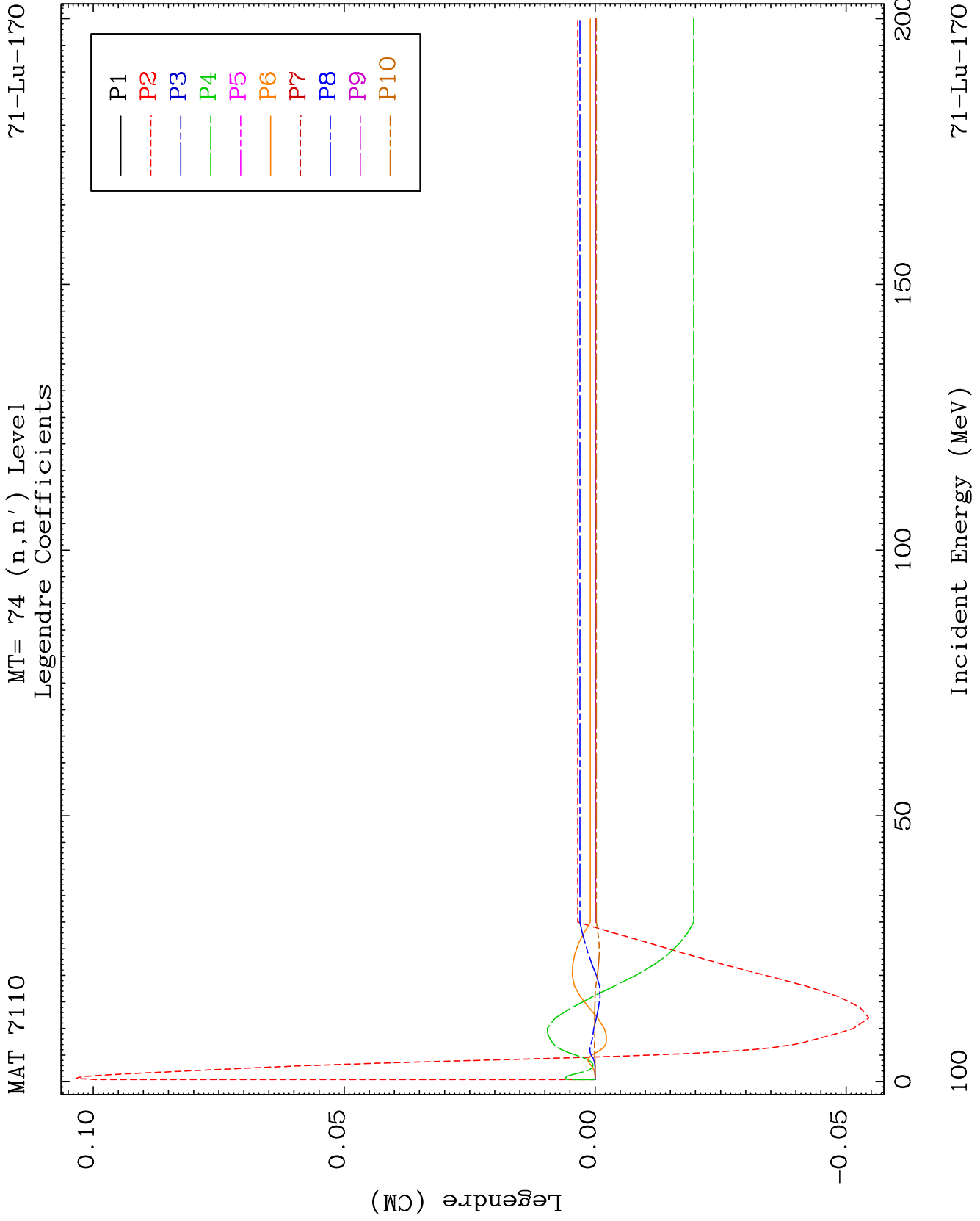


98 71-Lu-170

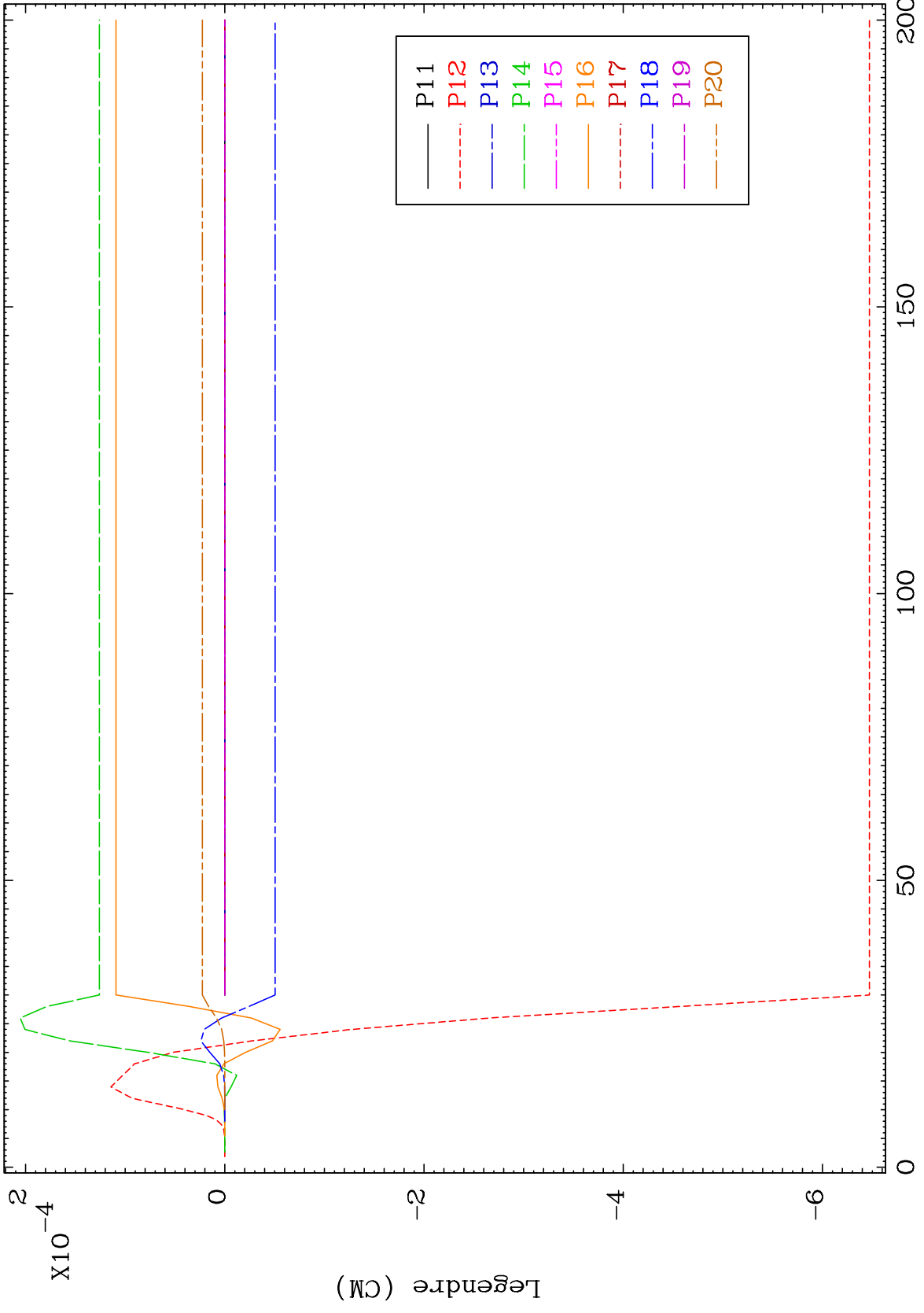
MAT 7110 MT= 73 (n,n') Level Legendre Coefficients 71-Lu-170



99 71-Lu-170

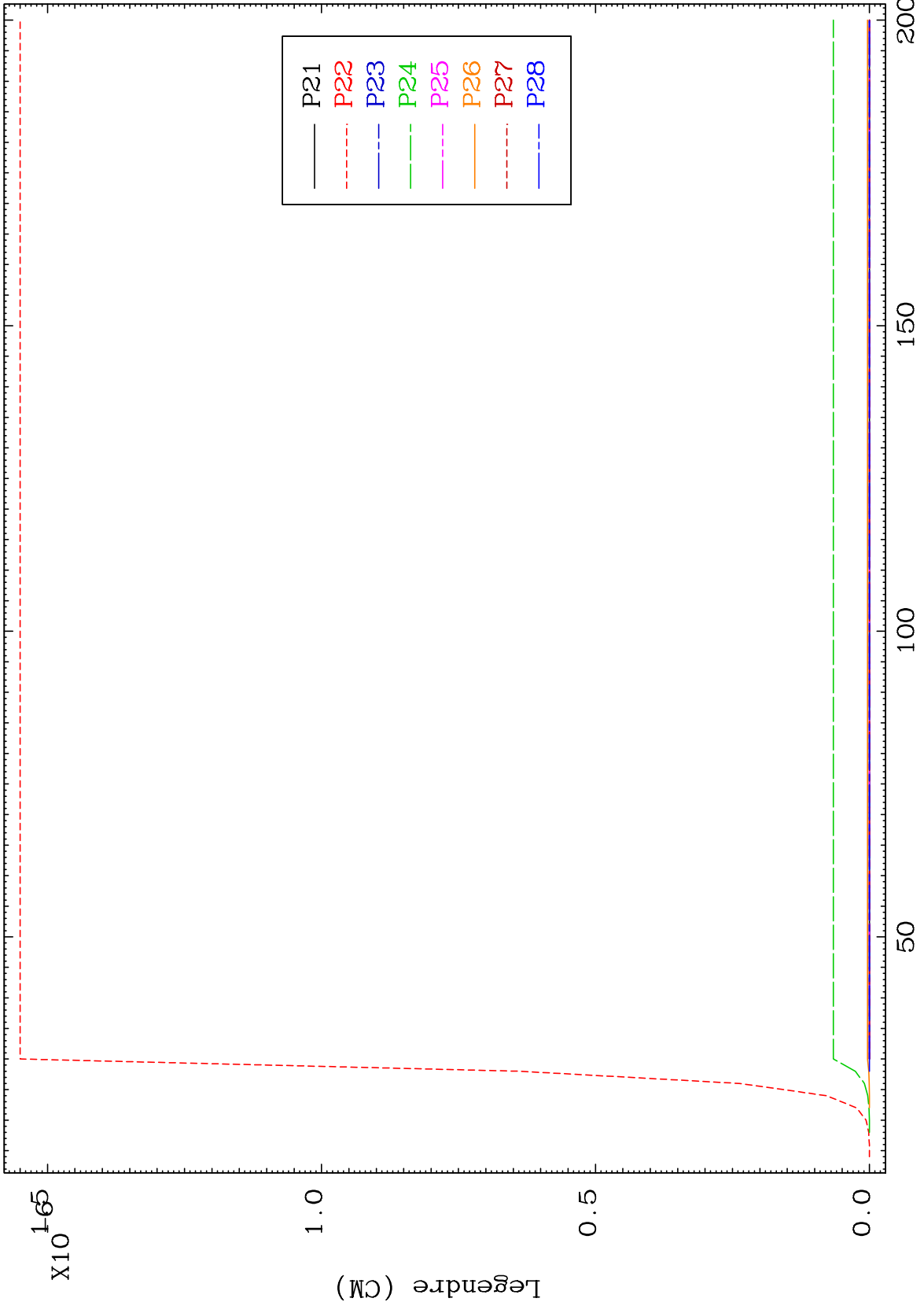


MAT 7110 MT= 74 (n,n') Level Legendre Coefficients 71-Lu-170



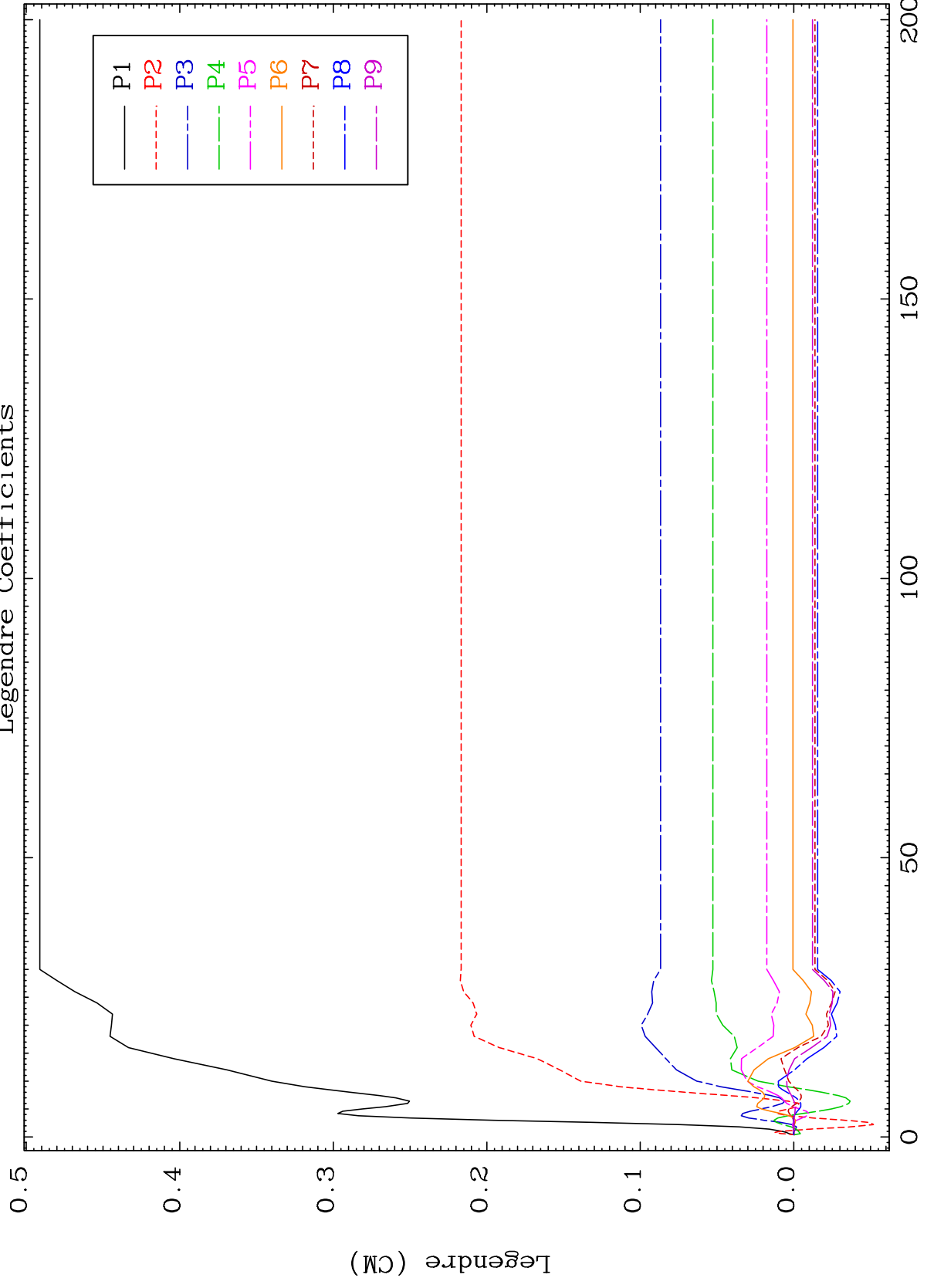
101 71-Lu-170

MAT 7110 MT= 74 (n,n') Level Legendre Coefficients 71-Lu-170



102 50 100 150 200 Incident Energy (MeV) 71-Lu-170

MAT 7110 MT= 75 (n,n') Level Legendre Coefficients 71-Lu-170



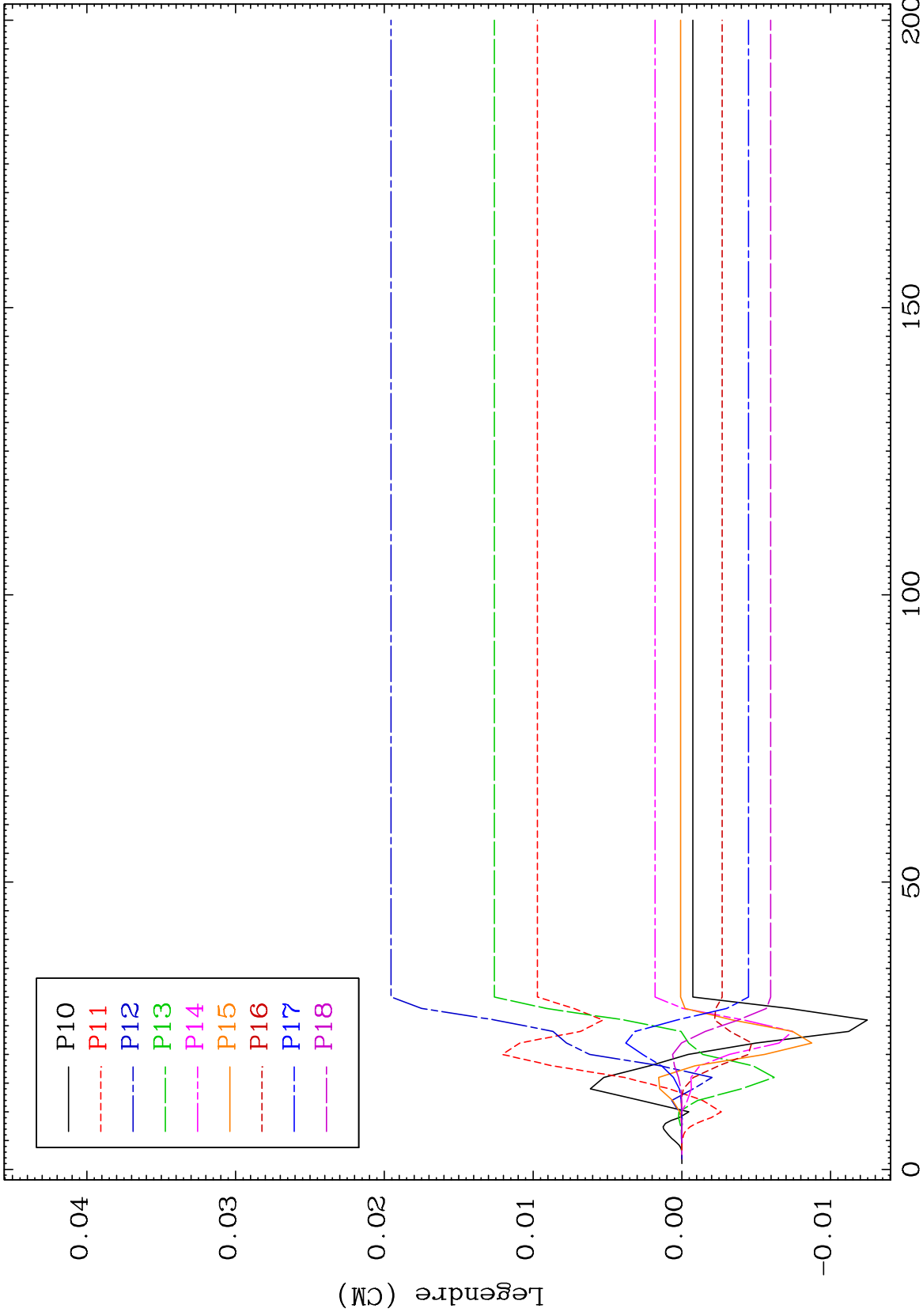
103 Incident Energy (MeV) 71-Lu-170



MAT 7110

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

71-Lu-170

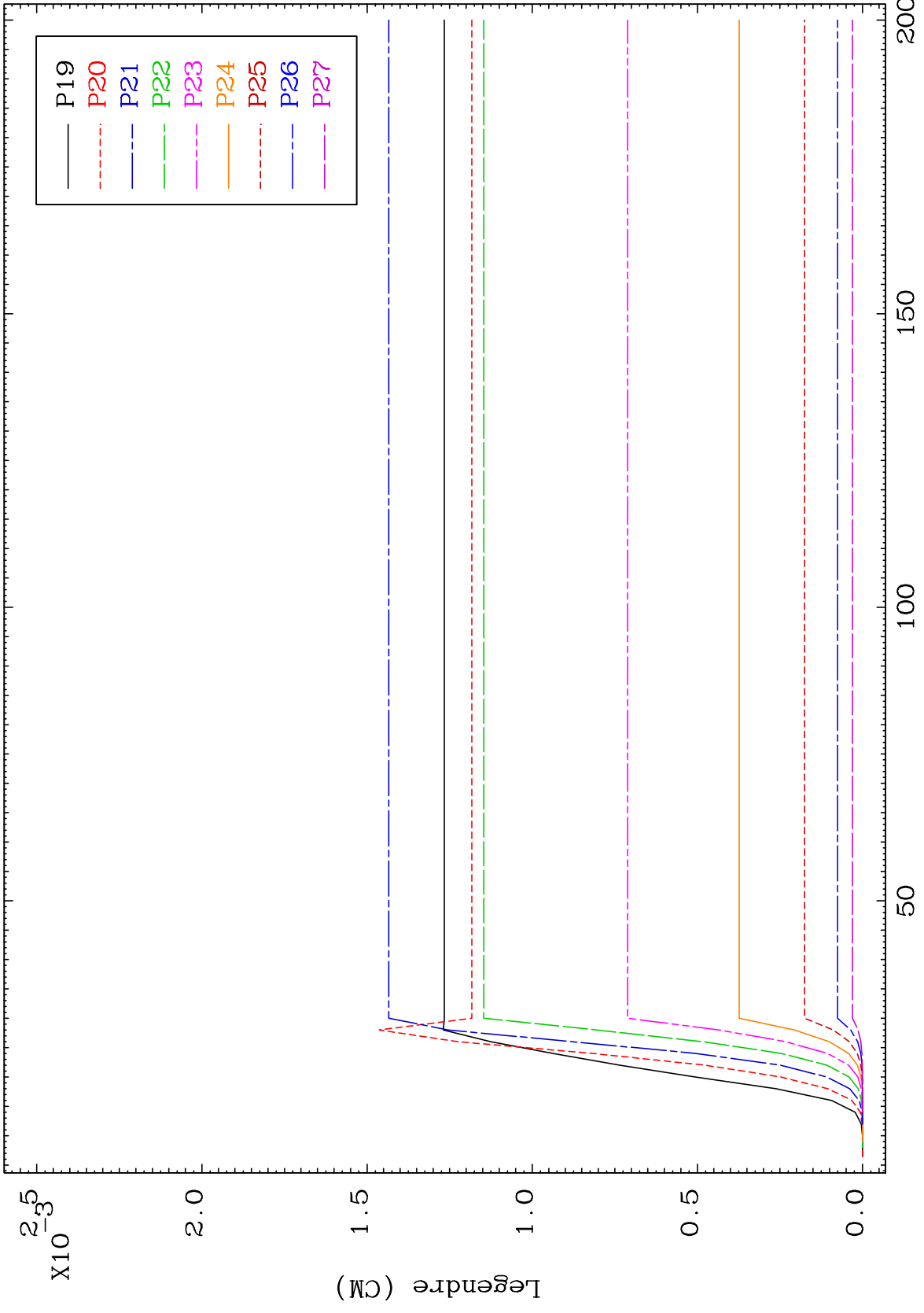


104

Incident Energy (MeV)

71-Lu-170

MAT 7110 MT= 75 (n,n') Level Legendre Coefficients 71-Lu-170

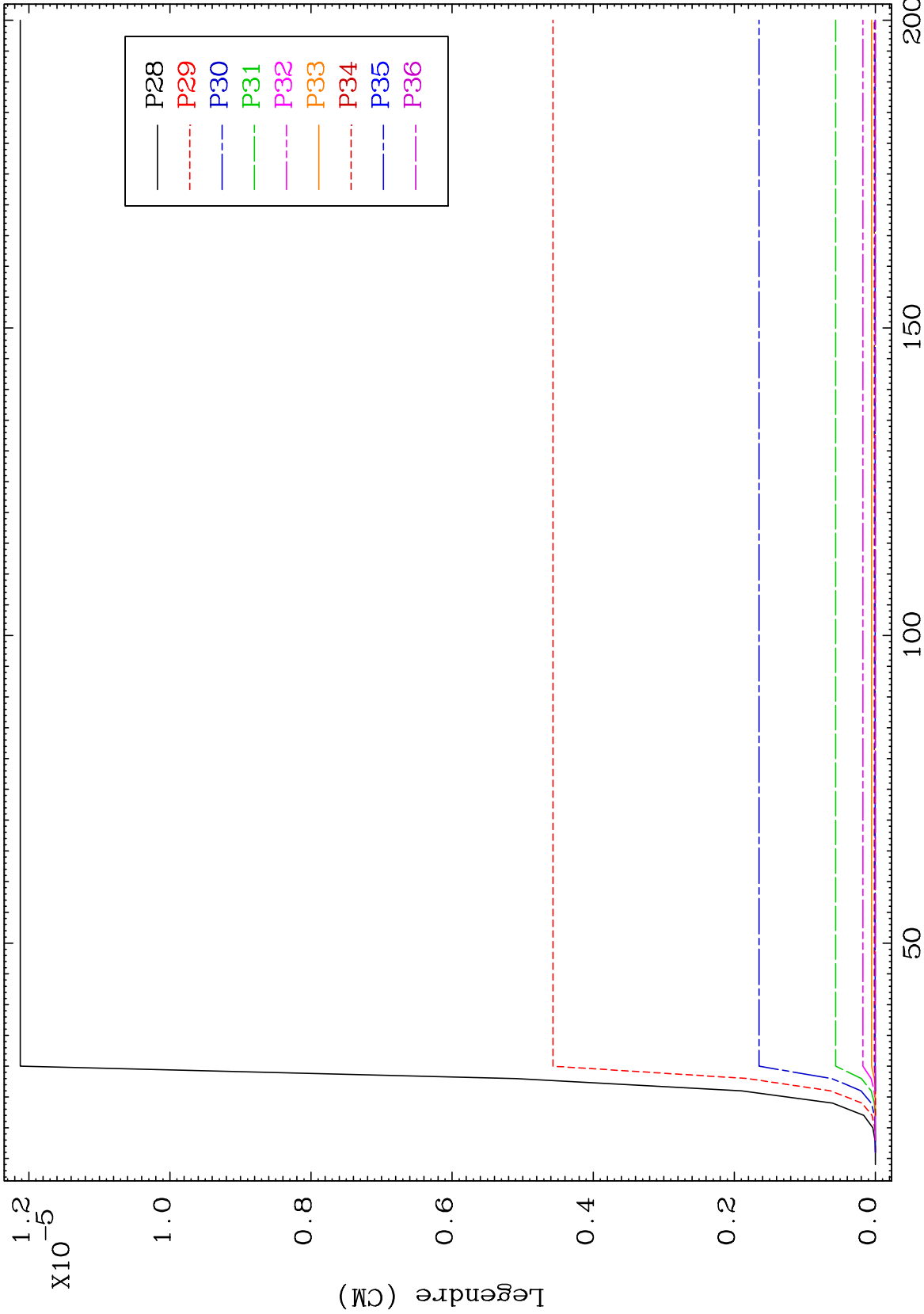


71-Lu-170

MAT 7110

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

71-Lu-170

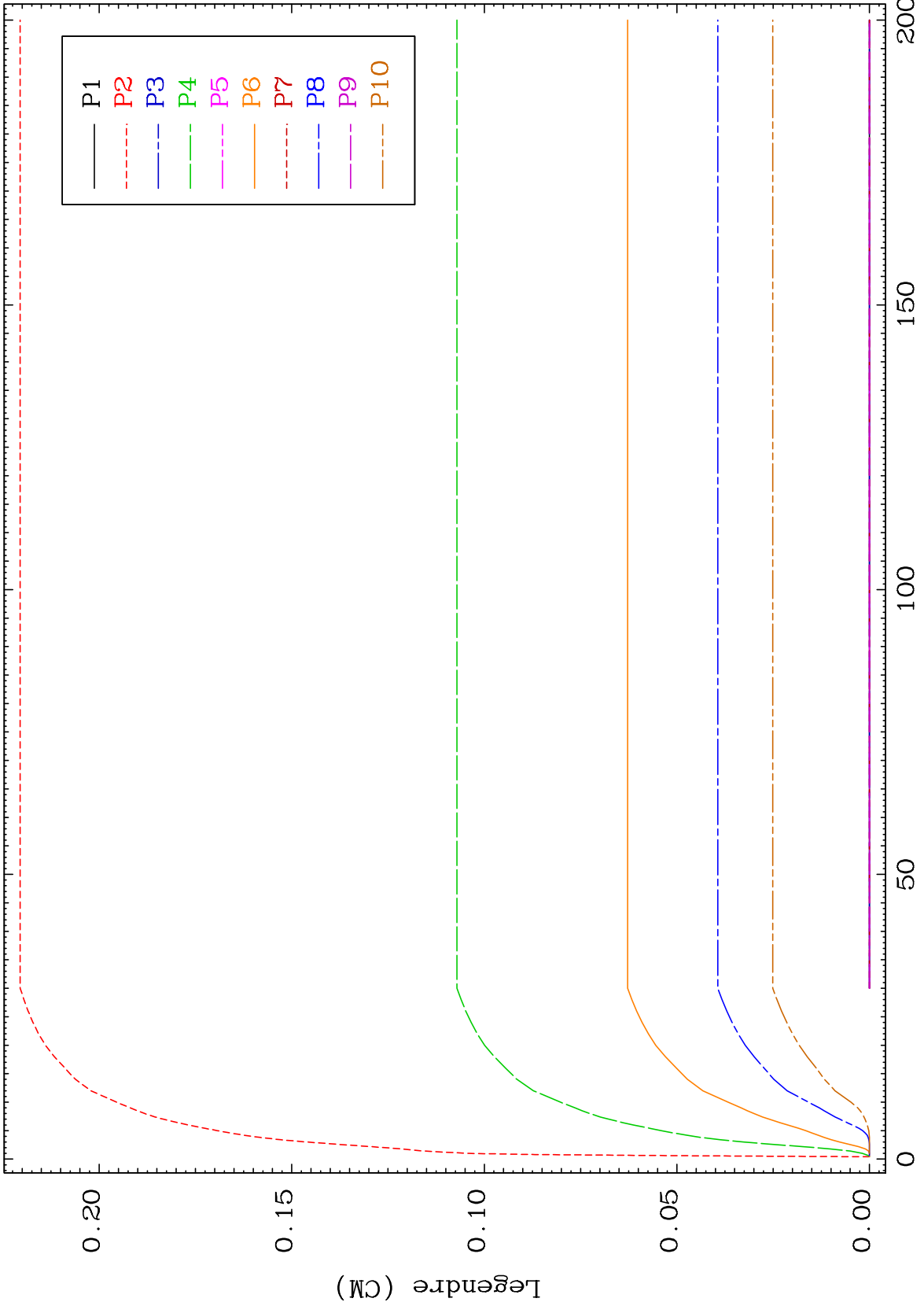


106

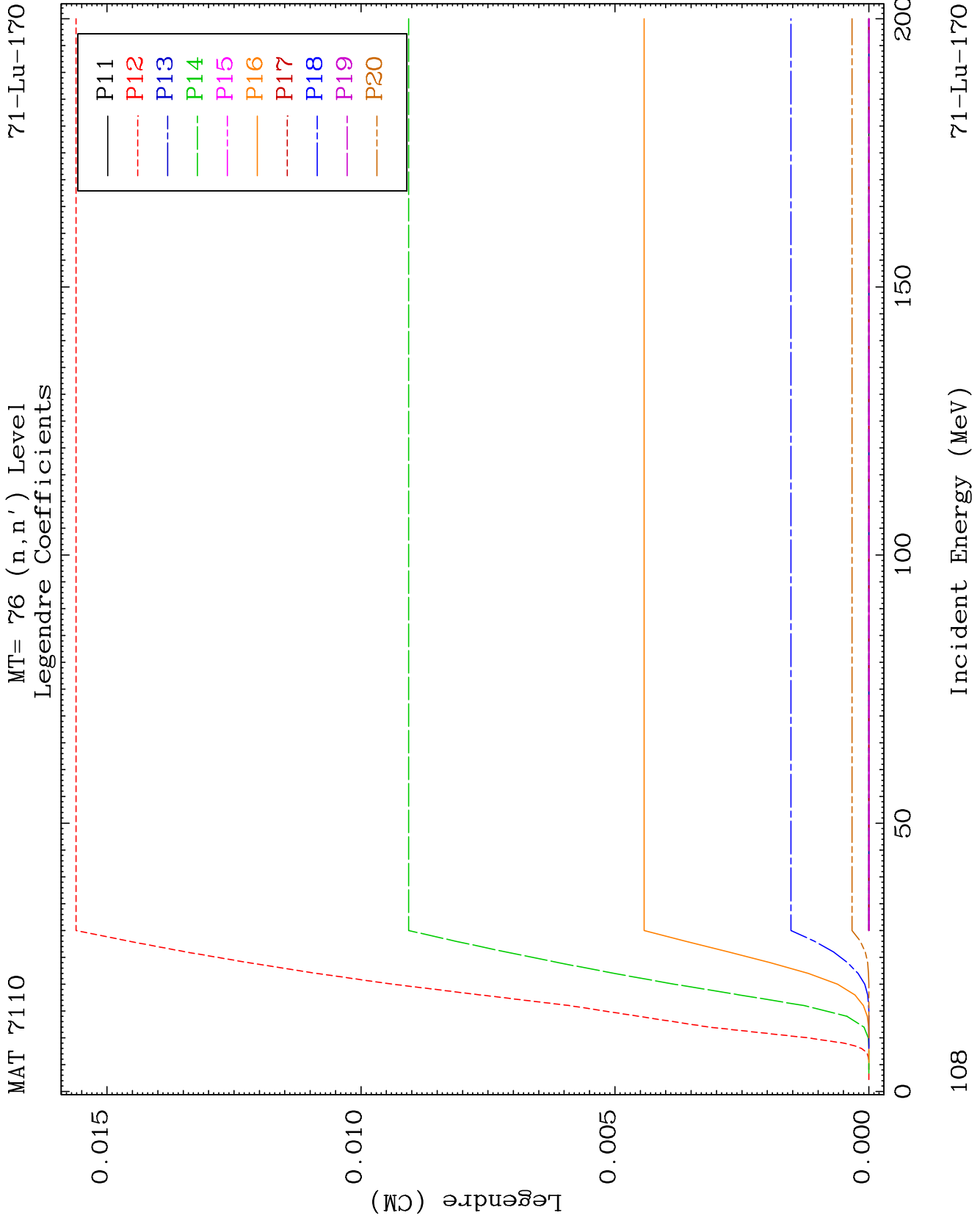
Incident Energy (MeV)

71-Lu-170

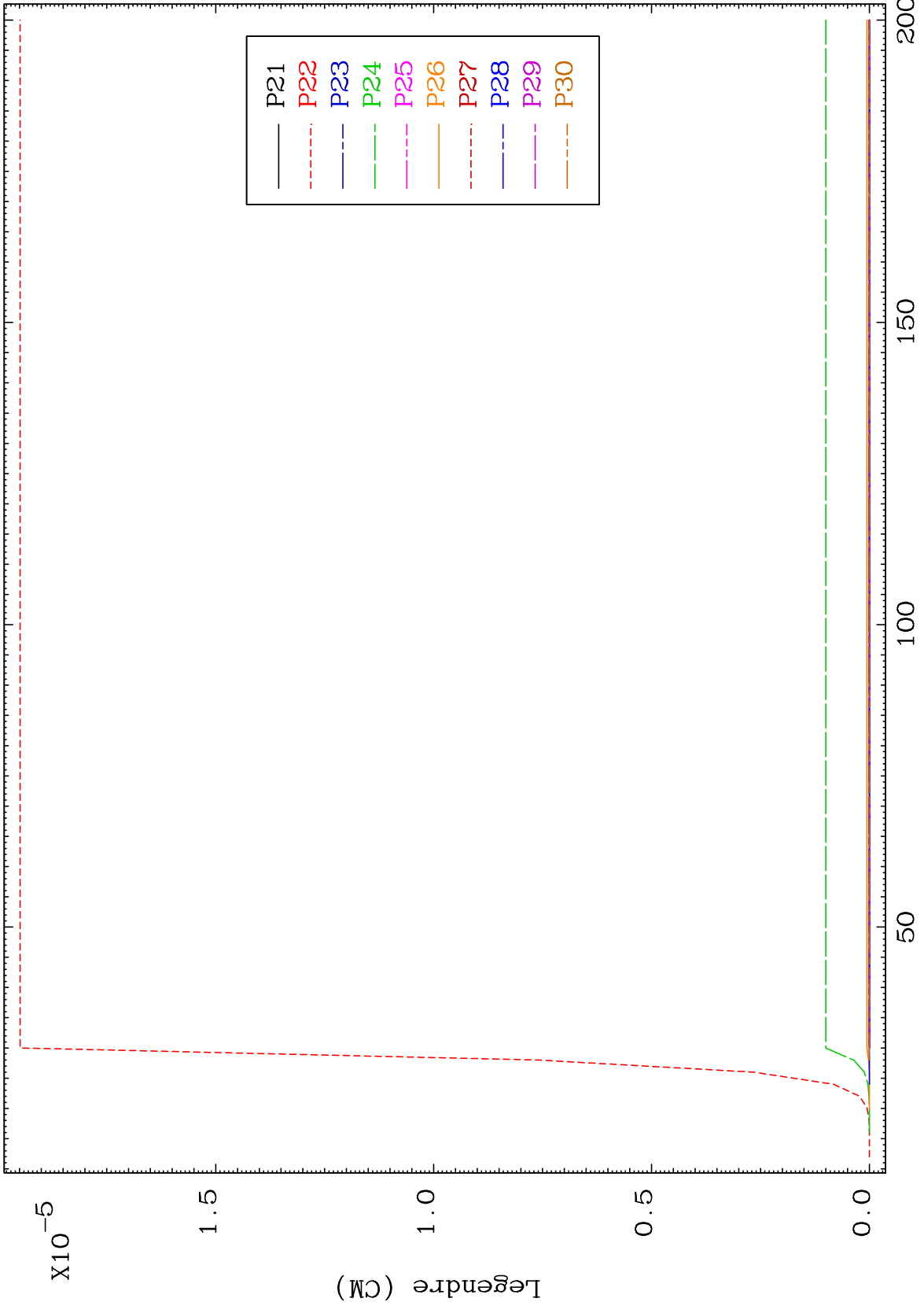
MAT 7110 MT= 76 (n,n') Level Legendre Coefficients 71-Lu-170



107 71-Lu-170

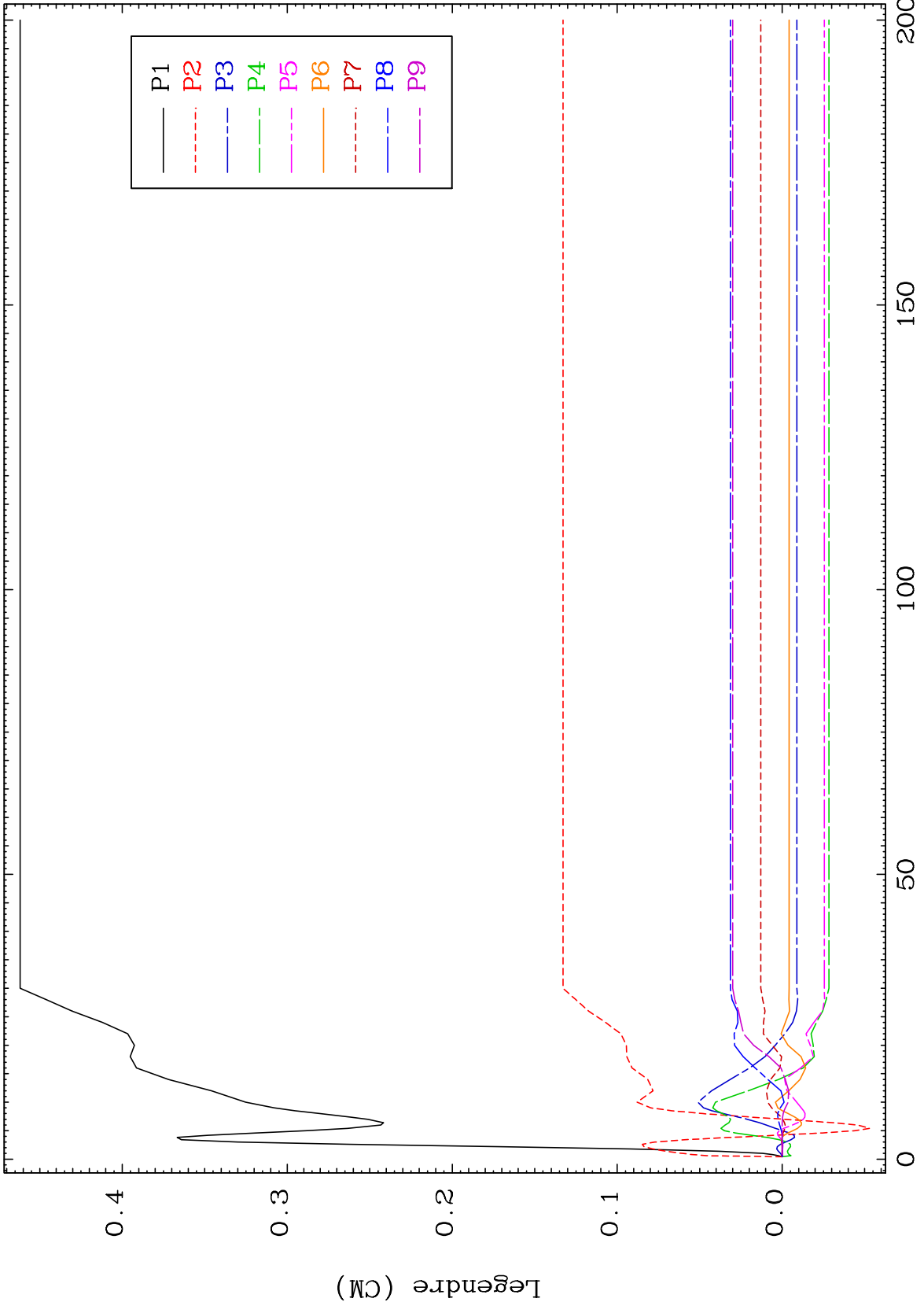


MAT 7110 MT= 76 (n,n') Level Legendre Coefficients 71-Lu-170



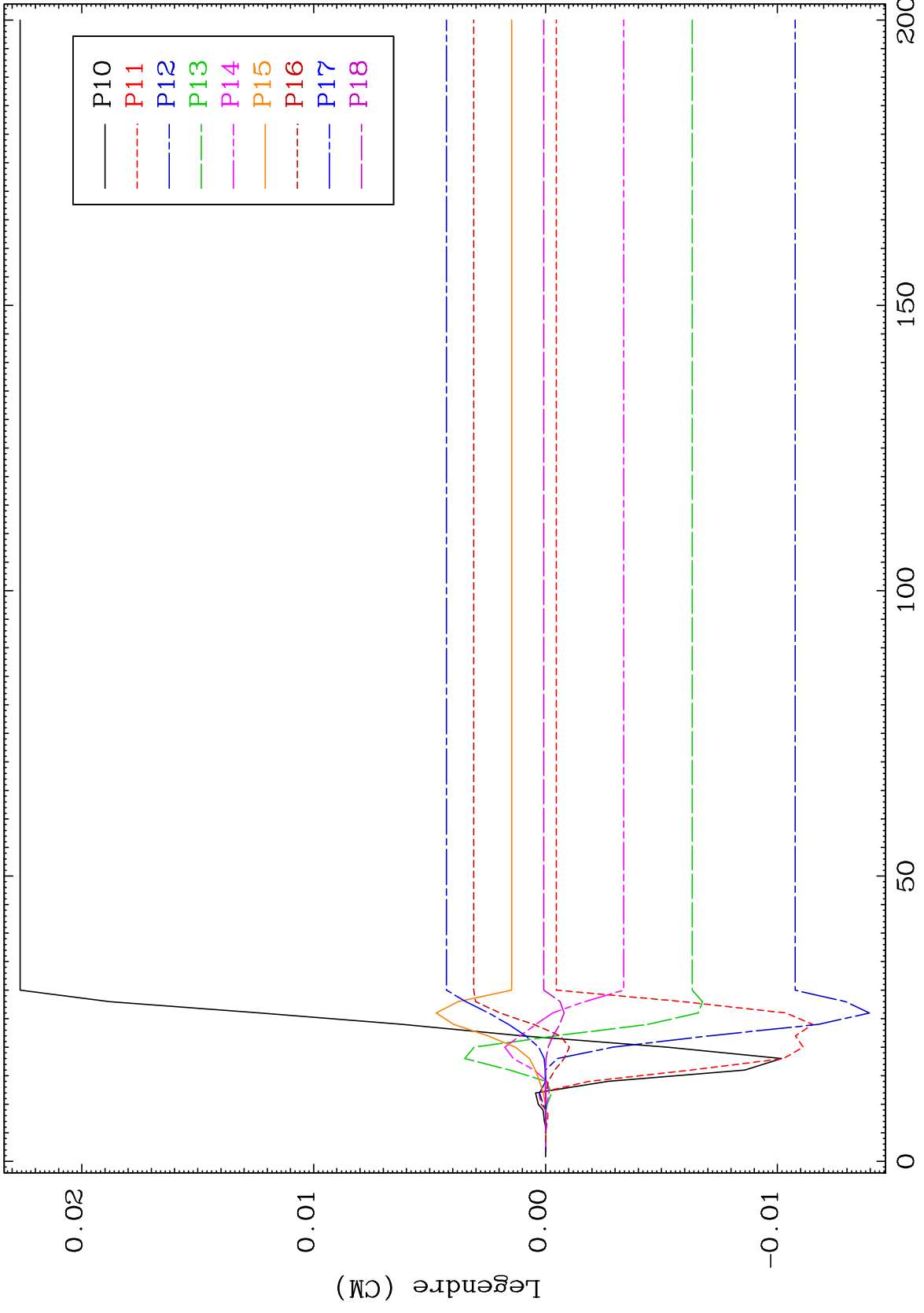
109 Incident Energy (MeV) 71-Lu-170

MAT 7110 MT= 77 (n,n') Level Legendre Coefficients 71-Lu-170



110 71-Lu-170

MAT 7110 MT= 77 (n,n') Level Legendre Coefficients 71-Lu-170



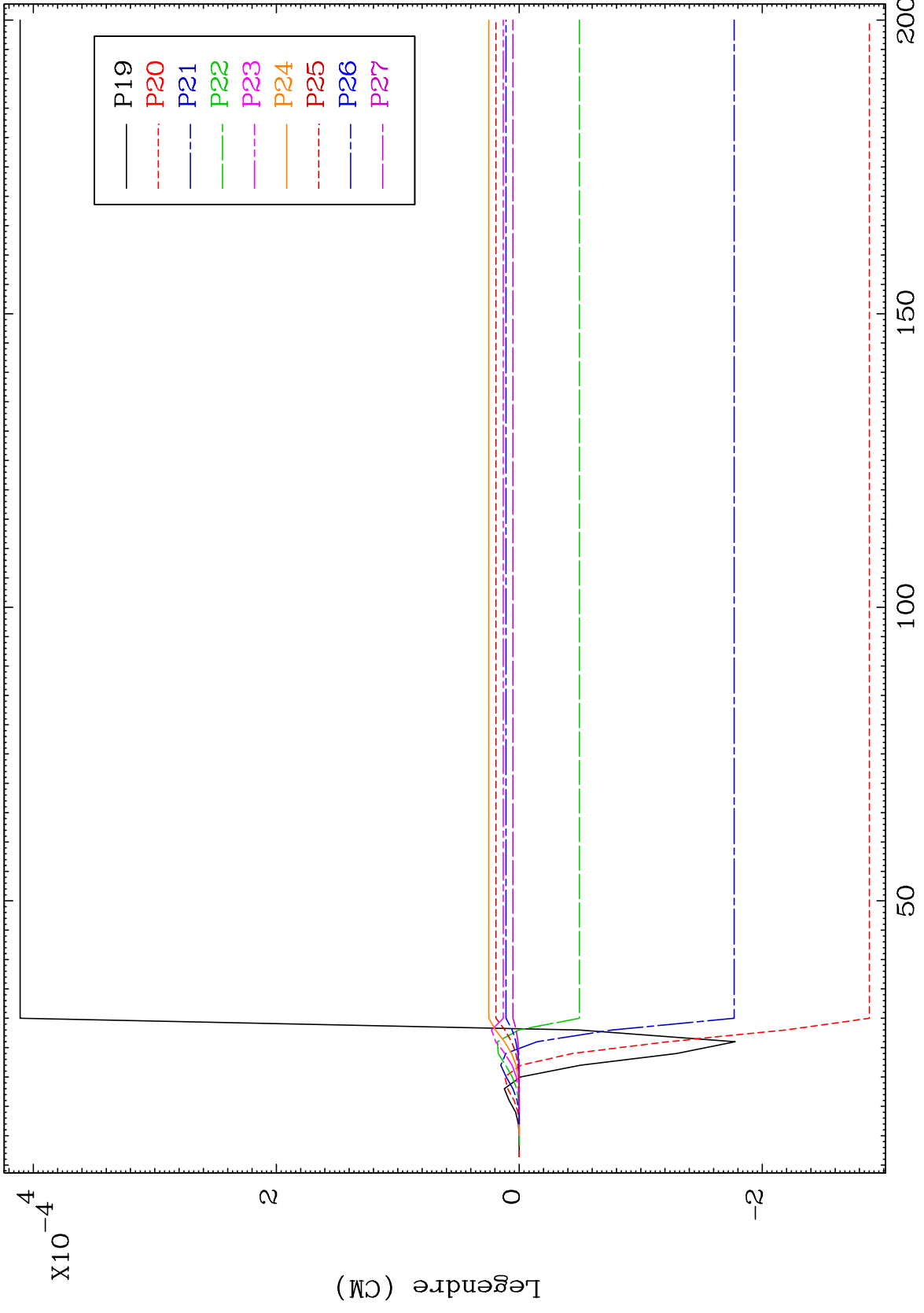
111 71-Lu-170



MAT 7110

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

71-Lu-170

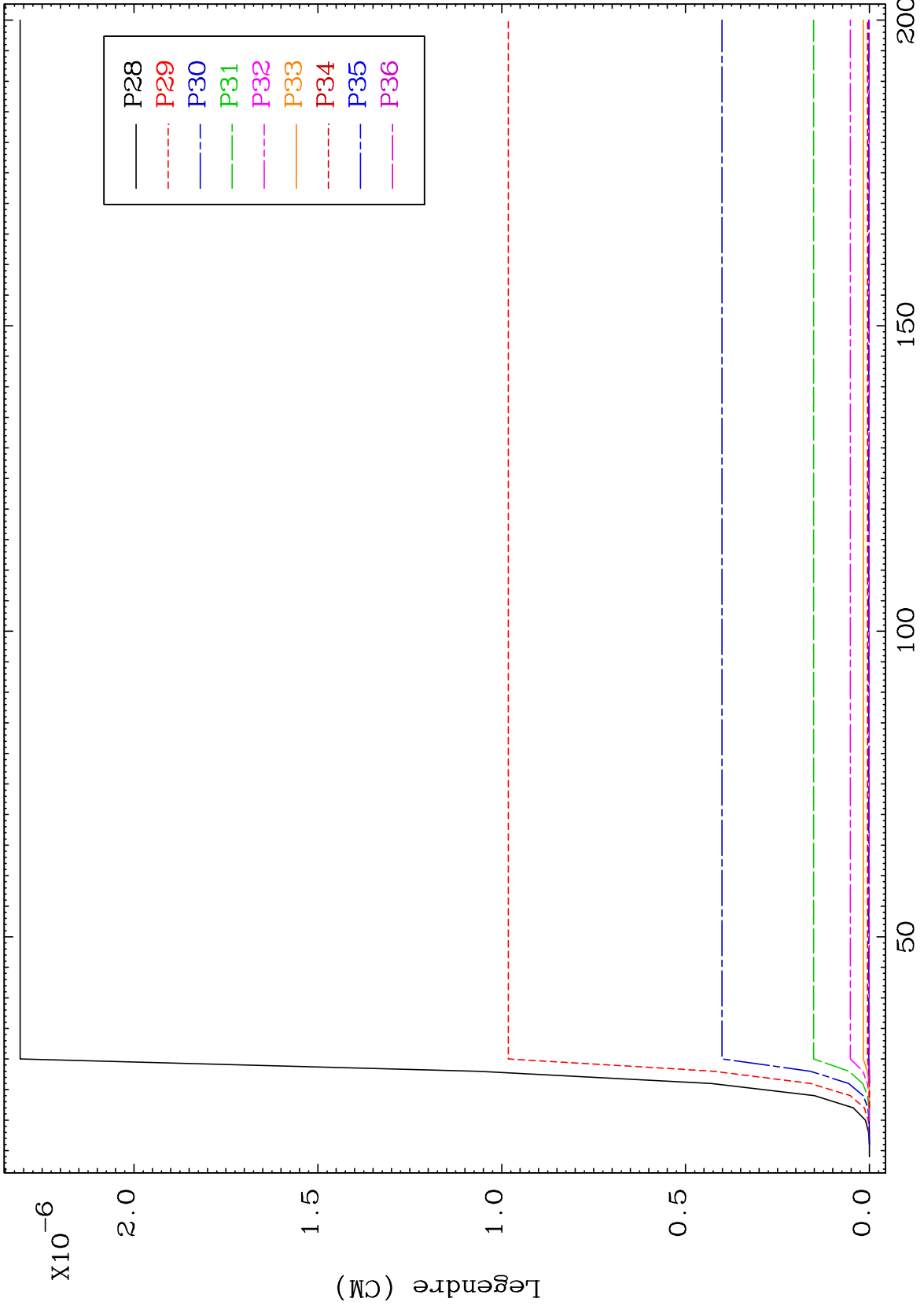


112

Incident Energy (MeV)

71-Lu-170

MAT 7110 MT= 77 (n,n') Level Legendre Coefficients 71-Lu-170

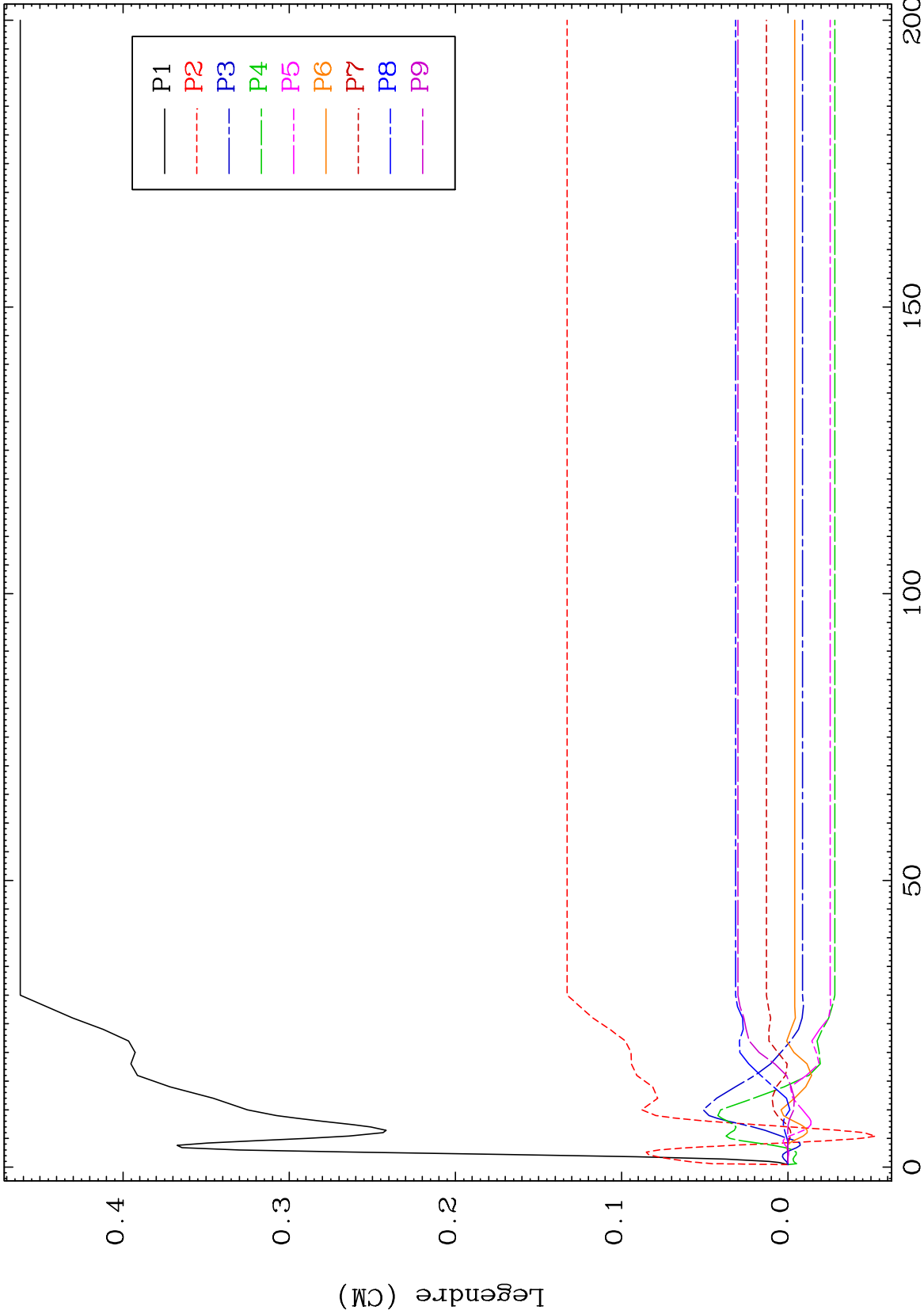


113 71-Lu-170

MAT 7110

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

71-Lu-170

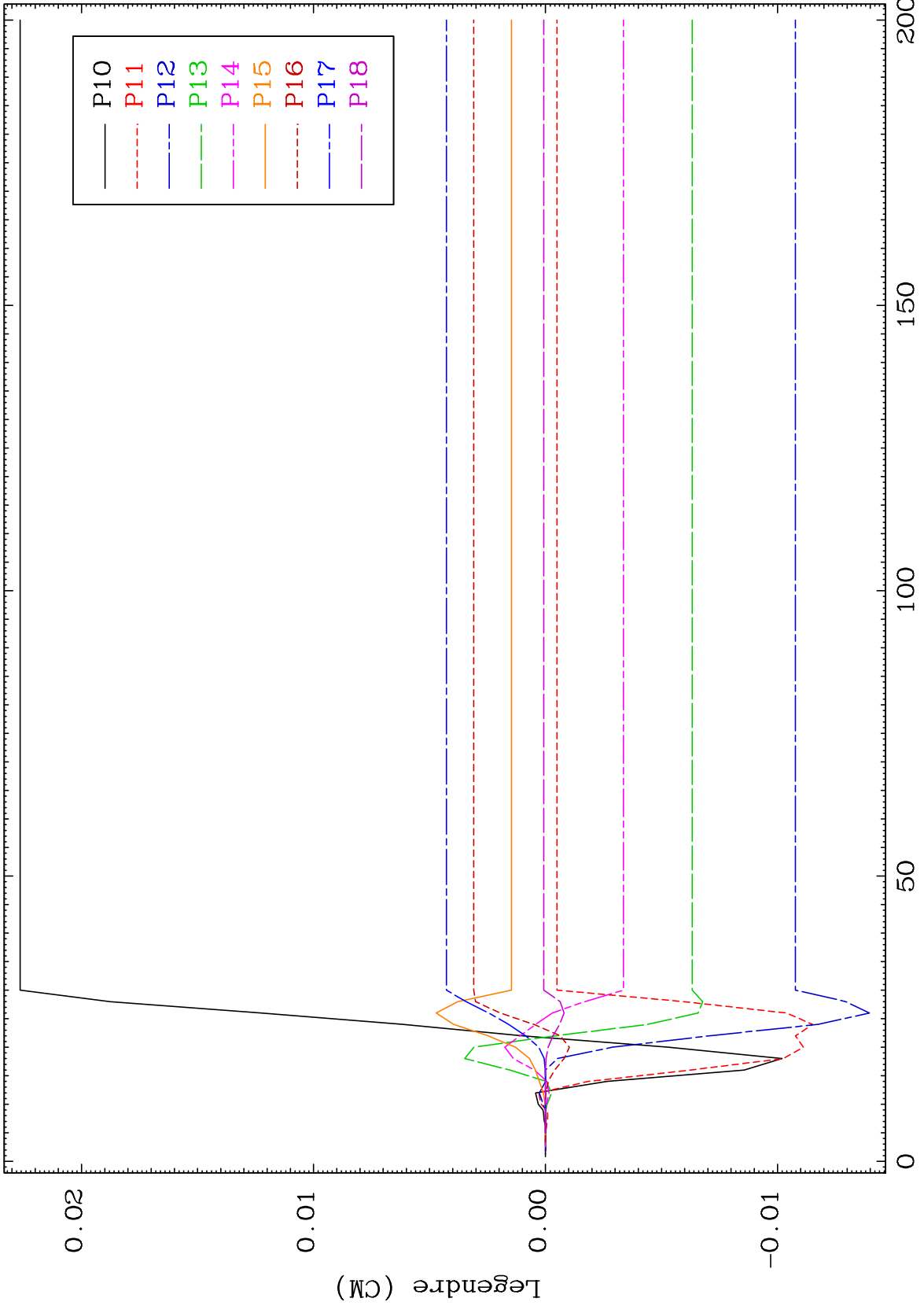


114

Incident Energy (MeV)

71-Lu-170

MAT 7110 MT= 78 (n,n') Level Legendre Coefficients 71-Lu-170

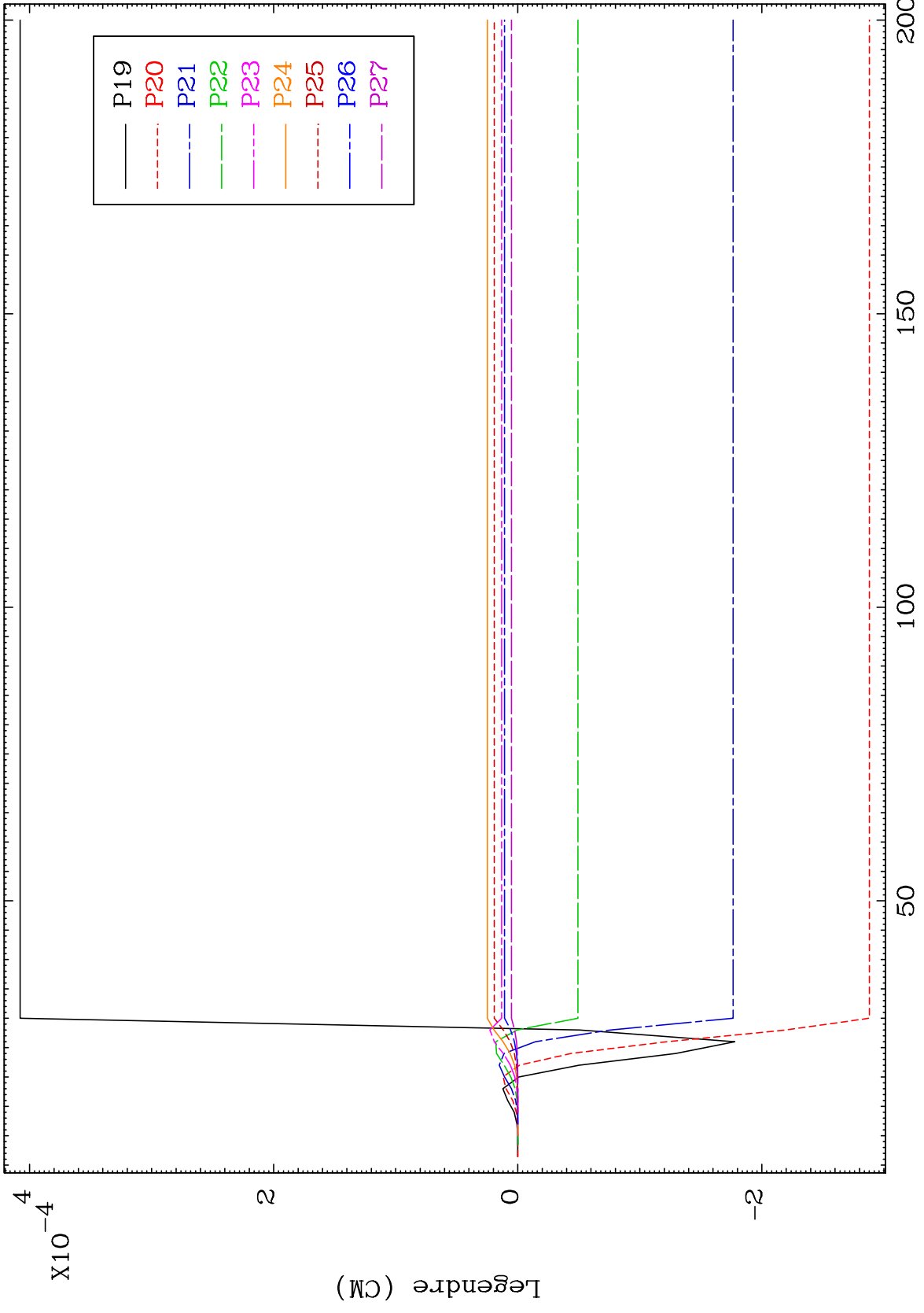


115 Incident Energy (MeV) 71-Lu-170

MAT 7110

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

71-Lu-170

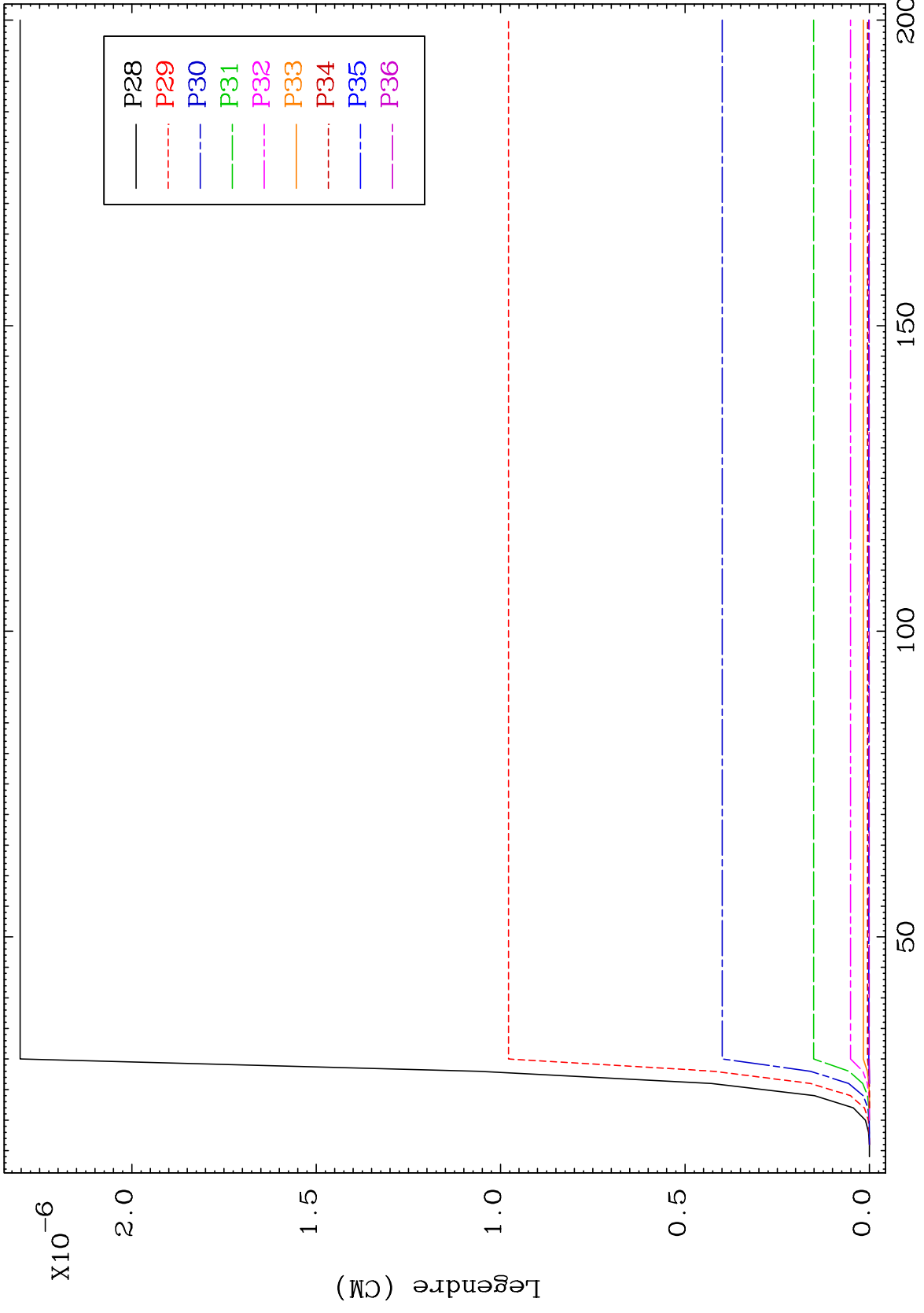


116

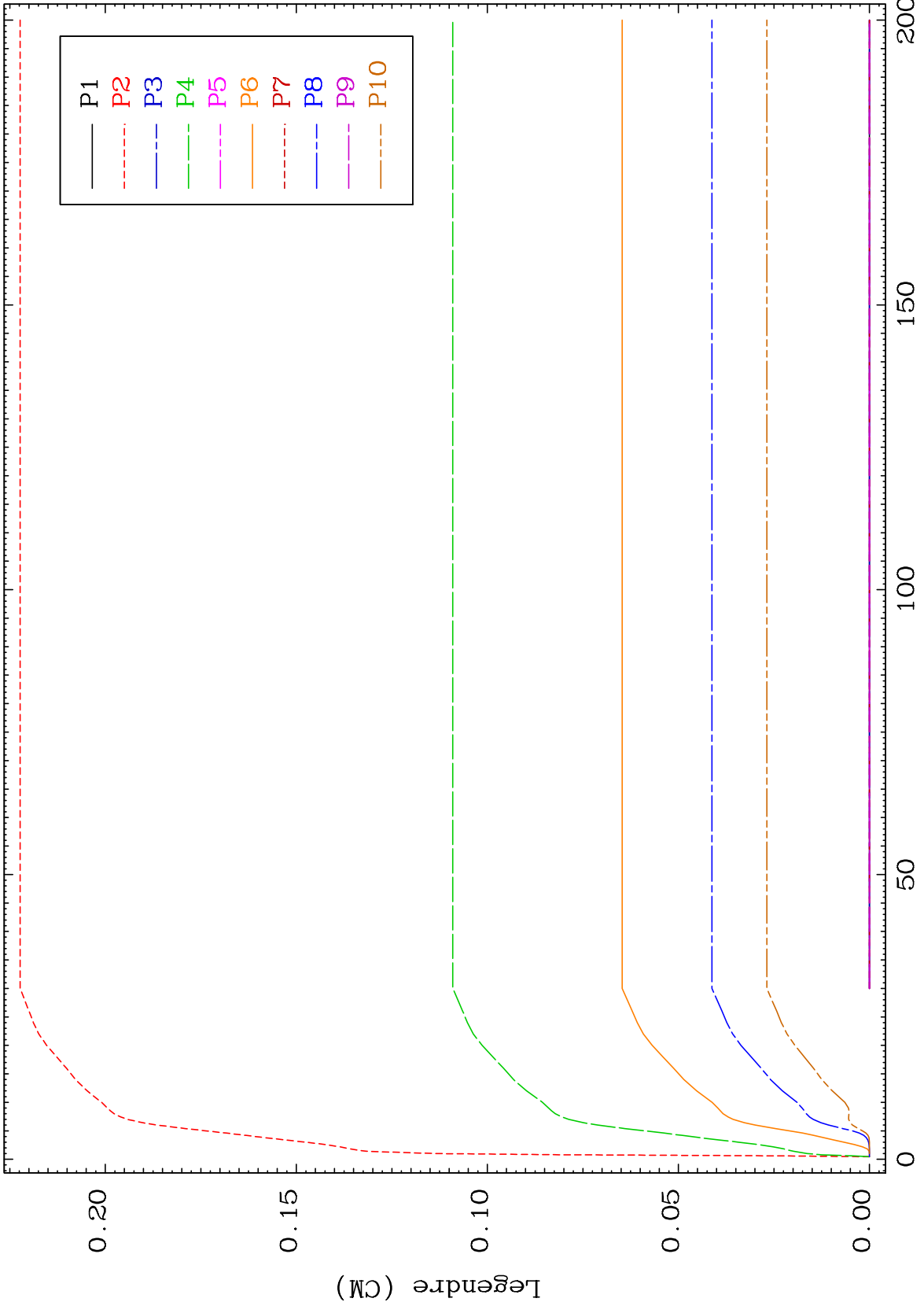
Incident Energy (MeV)

71-Lu-170

MAT 7110 MT= 78 (n,n') Level Legendre Coefficients 71-Lu-170

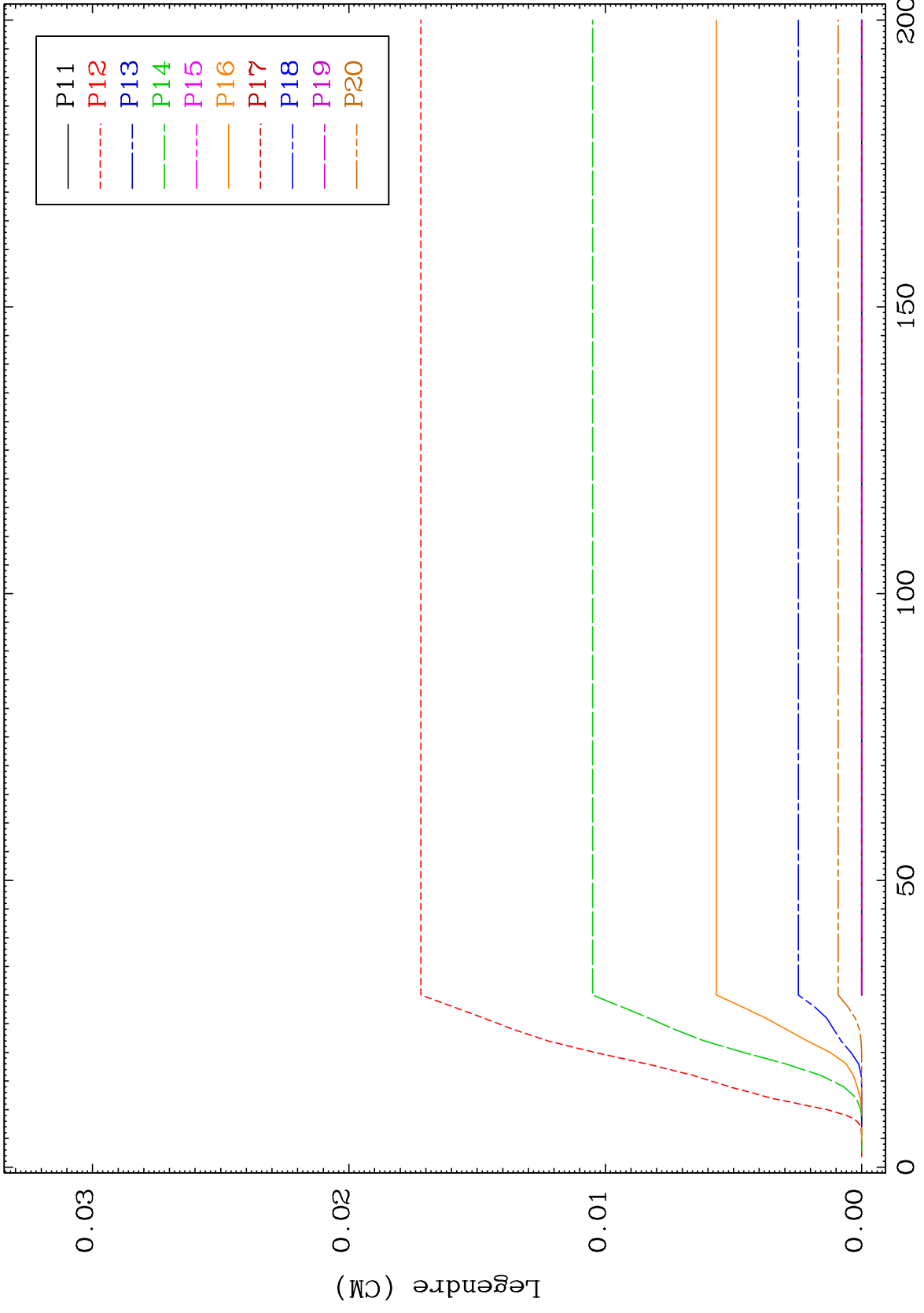


MAT 7110 MT= 79 (n,n') Level Legendre Coefficients 71-Lu-170



118 71-Lu-170

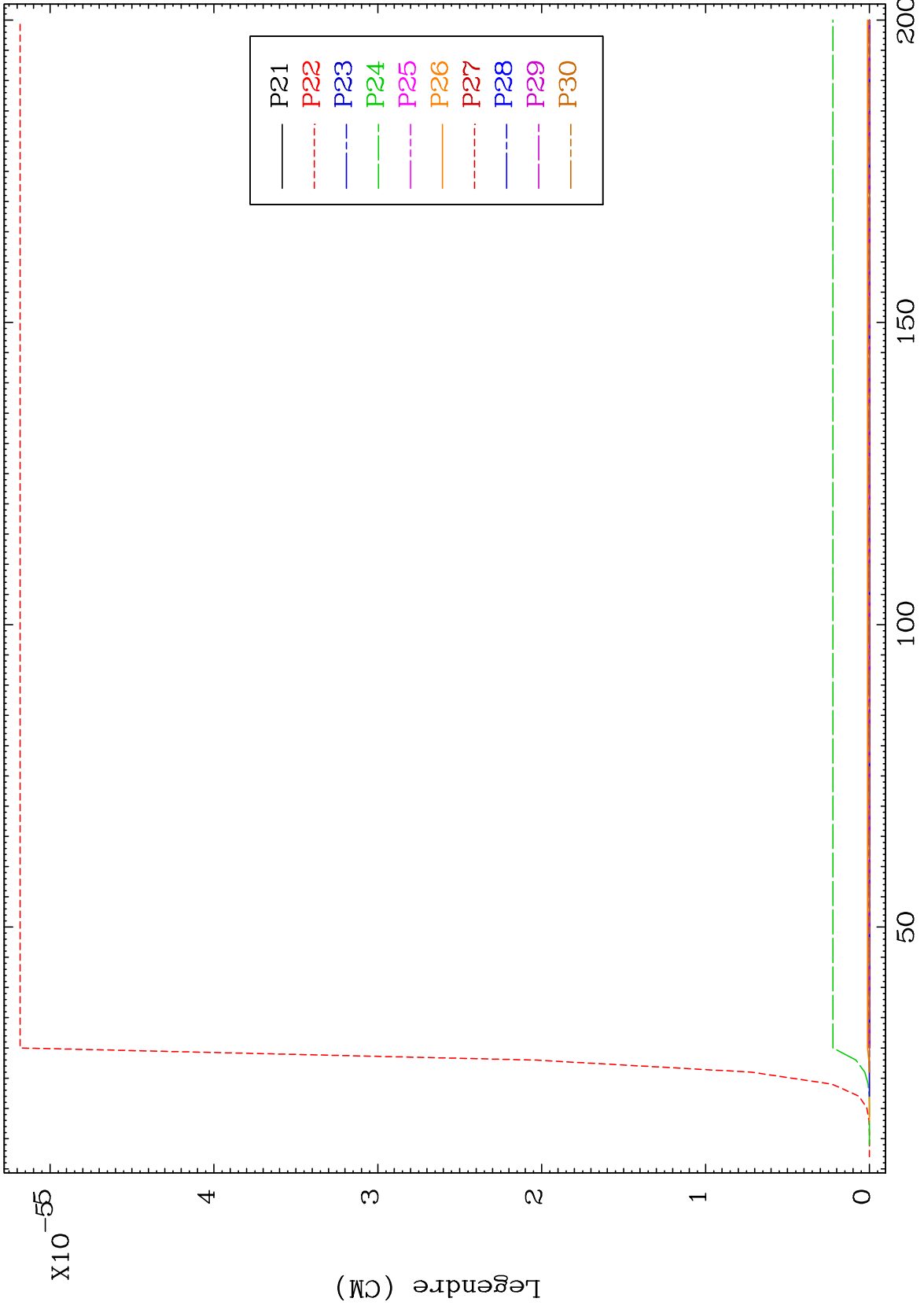
MAT 7110 MT= 79 (n,n') Level Legendre Coefficients 71-Lu-170



119 71-Lu-170

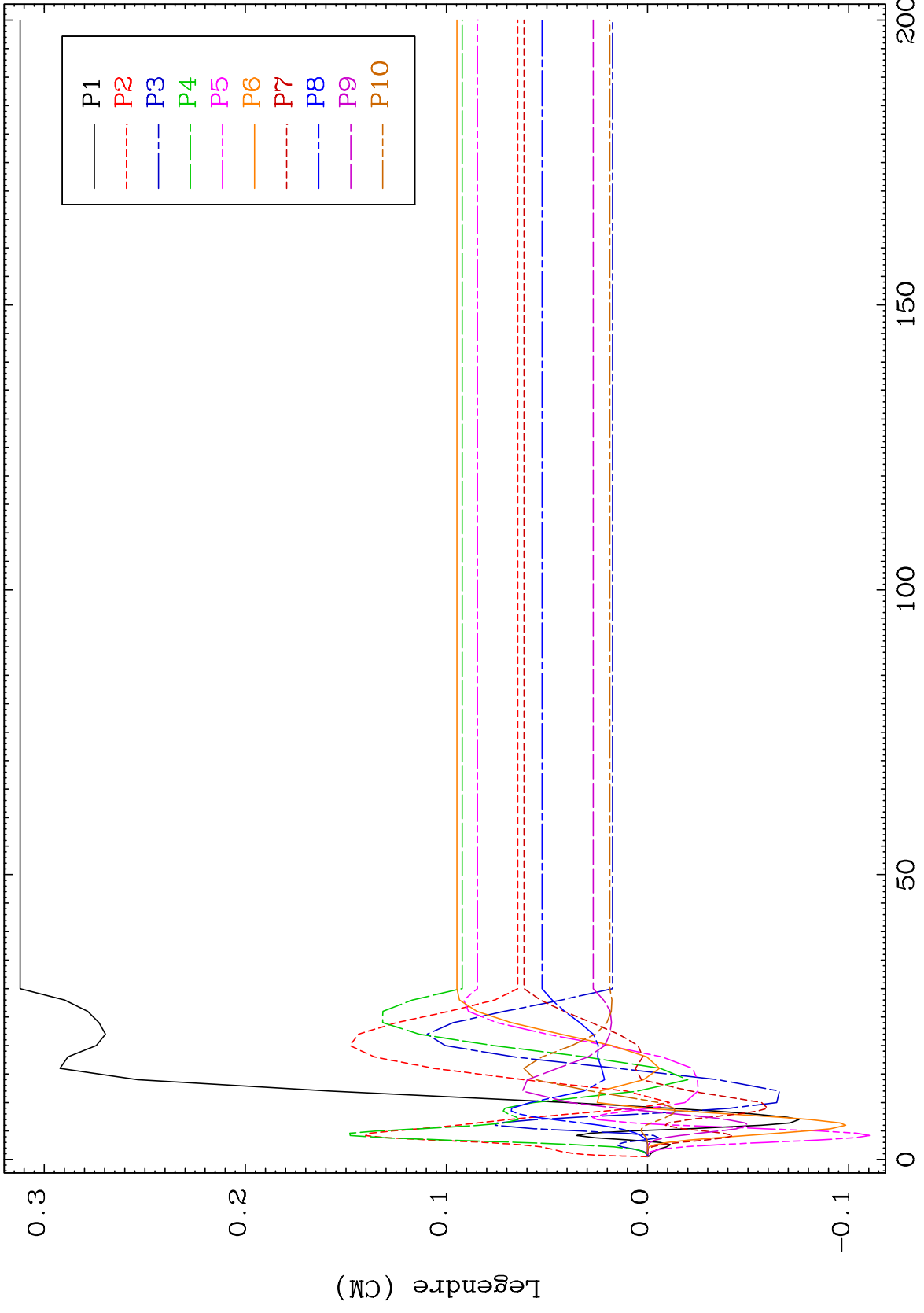


MAT 7110 MT= 79 (n,n') Level Legendre Coefficients 71-Lu-170



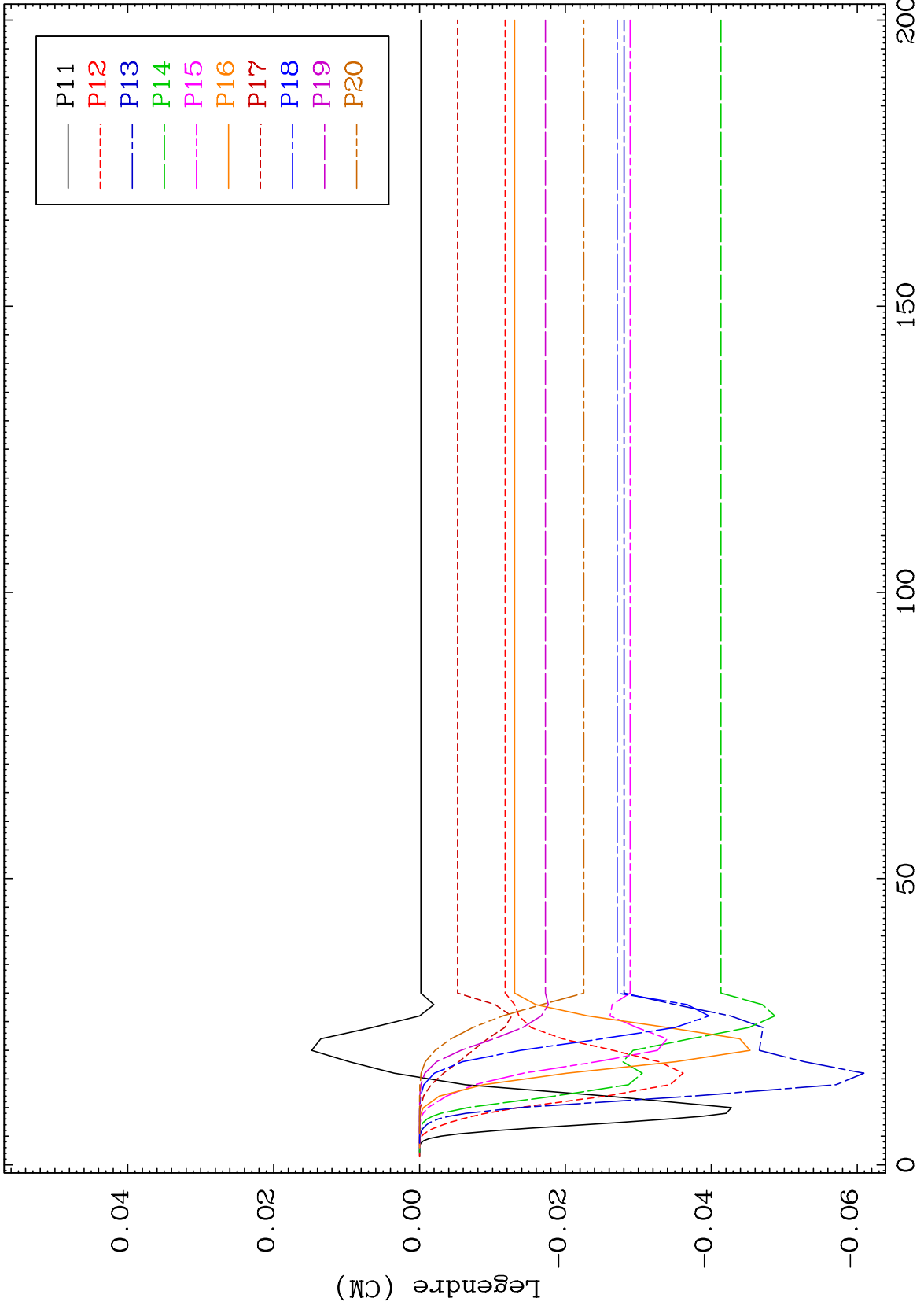
71-Lu-170

MAT 7110 MT= 80 (n,n') Level Legendre Coefficients 71-Lu-170



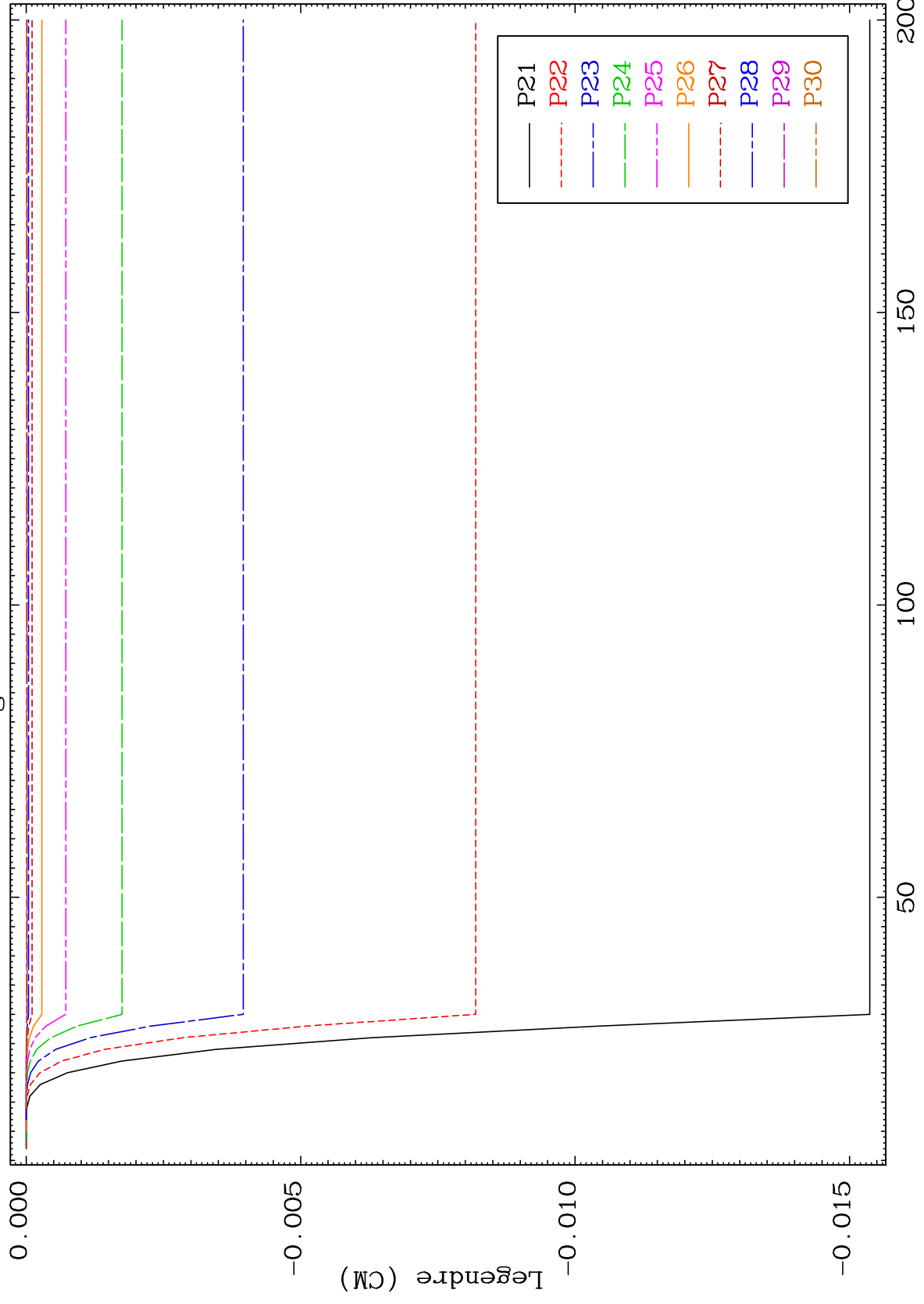
121 71-Lu-170

MAT 7110 MT= 80 (n,n') Level Legendre Coefficients 71-Lu-170

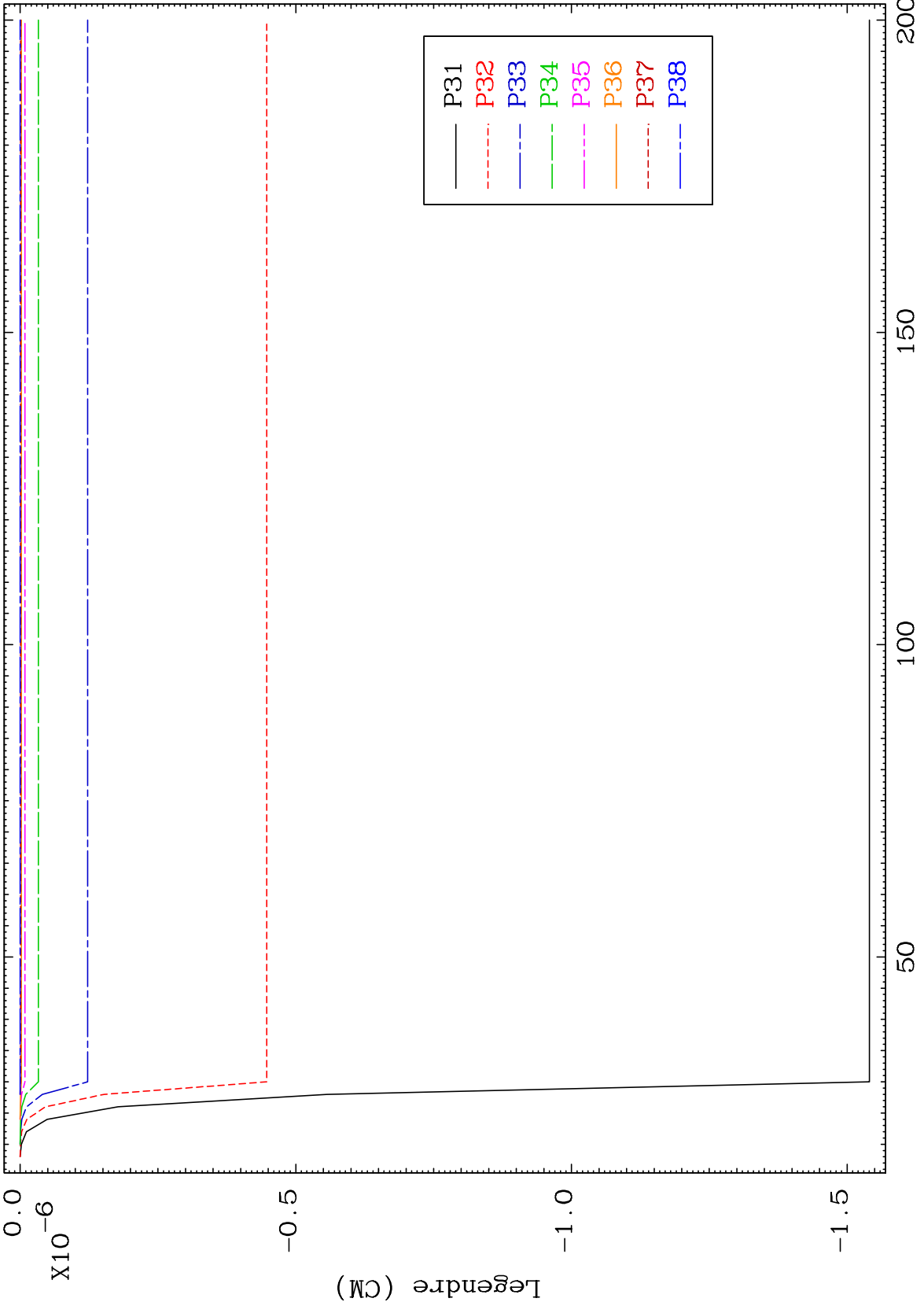


122 71-Lu-170

MAT 7110 MT= 80 (n,n') Level Legendre Coefficients 71-Lu-170



MAT 7110 MT= 80 (n,n') Level Legendre Coefficients 71-Lu-170

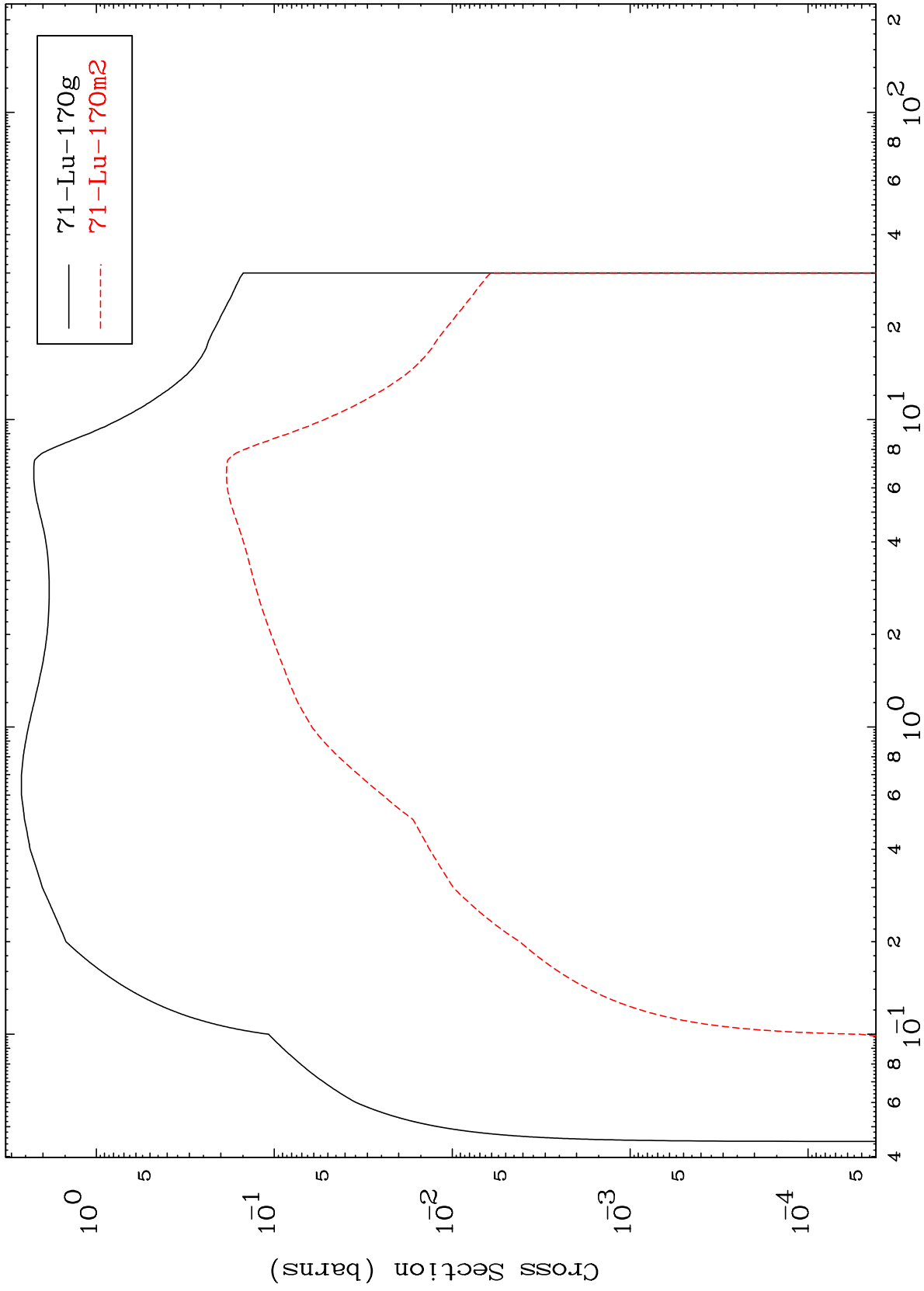


124 71-Lu-170

MAT 7110

71-Lu-170

### Inelastic Radionuclide Production Cross Section



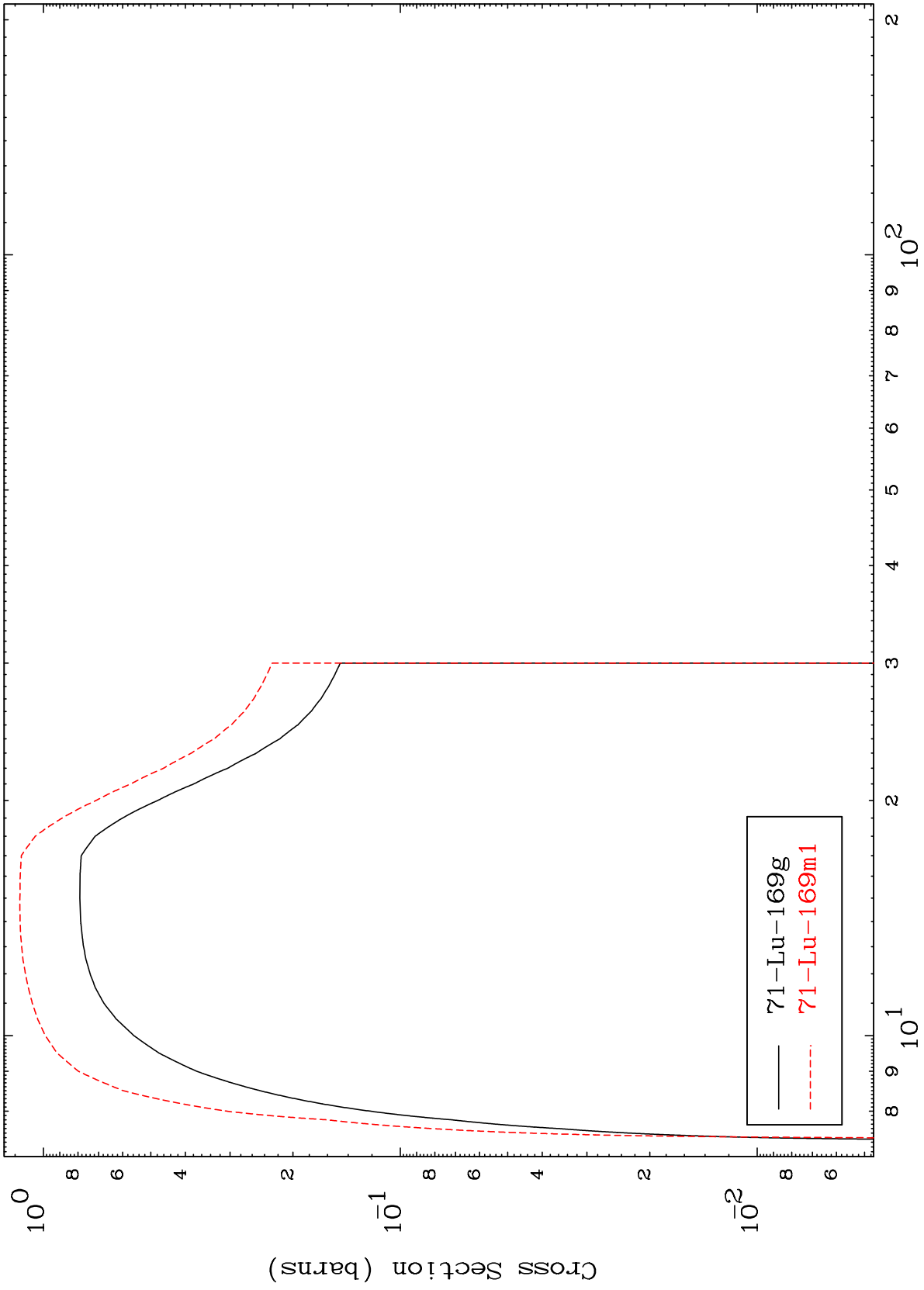
125

71-Lu-170

MAT 7110

71-Lu-170

(n,2n)  
Radionuclide Production Cross Section



126

Incident Energy (MeV)

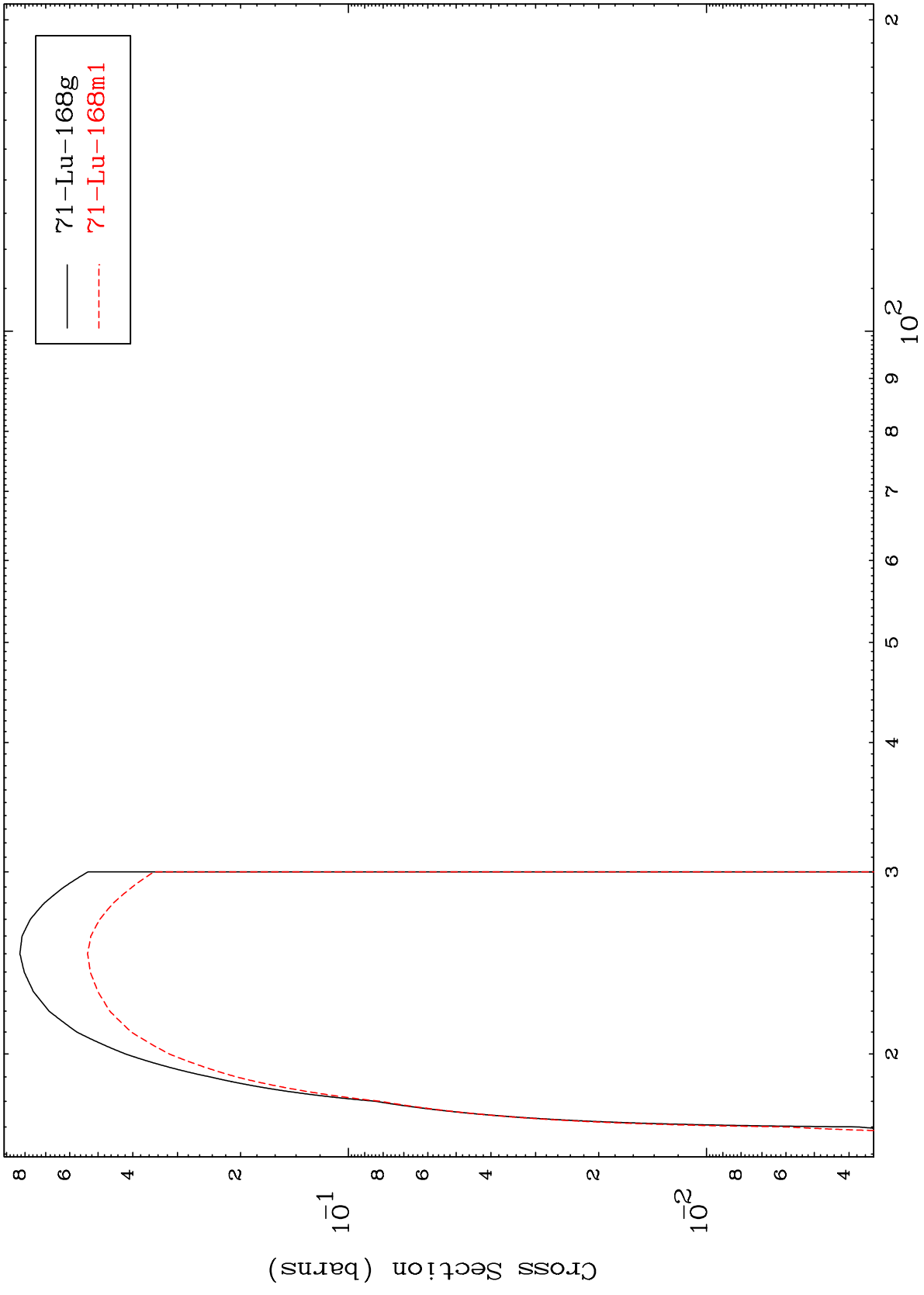
71-Lu-170

MAT 7110

(n,3n)

<sup>71</sup>Lu-170

Radionuclide Production Cross Section



— <sup>71</sup>Lu-168g  
- - - <sup>71</sup>Lu-168m1

127

Incident Energy (MeV)

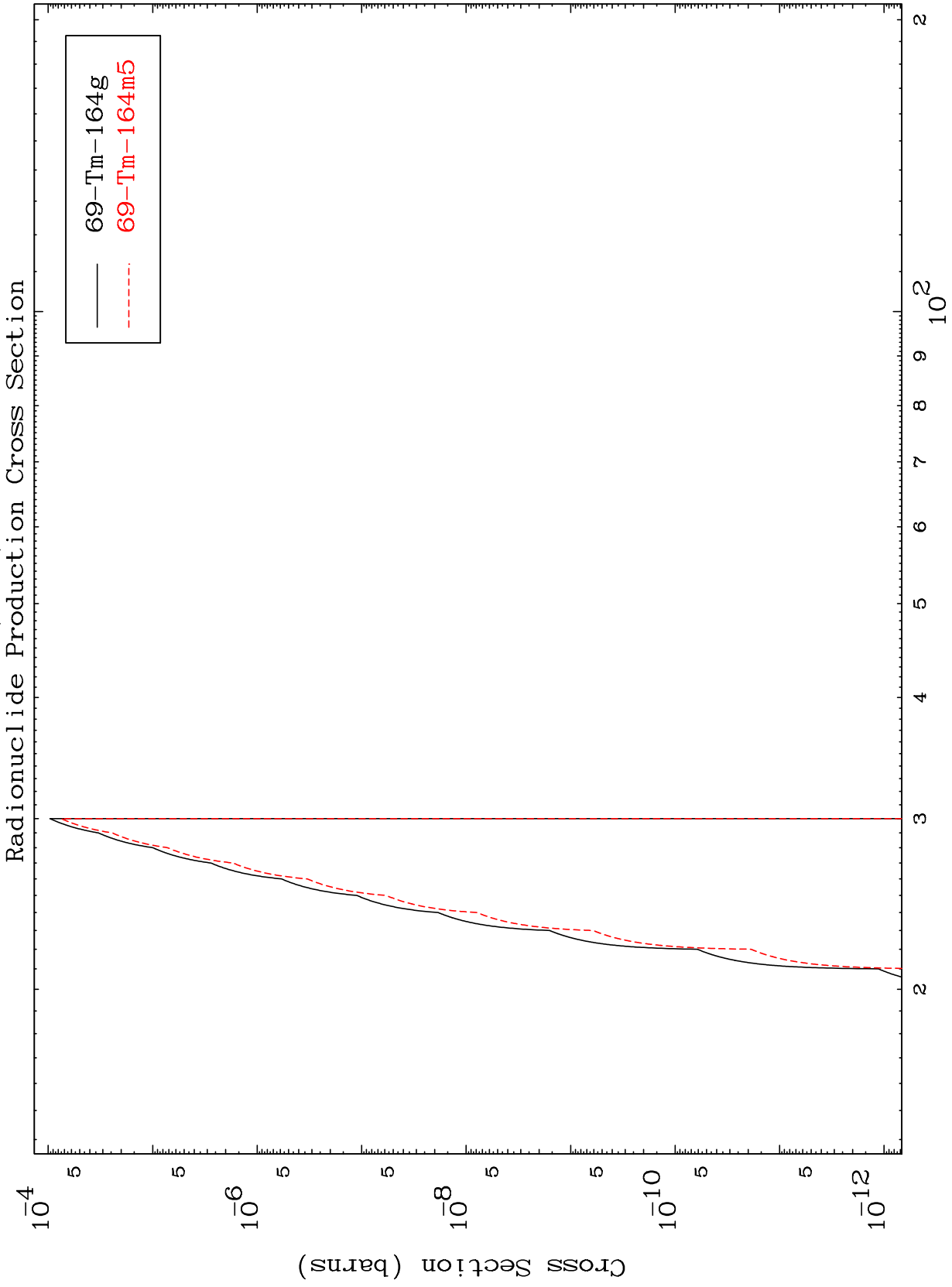
<sup>71</sup>Lu-170



MAT 7110

(n,3n)  $\alpha$

71-Lu-170



128

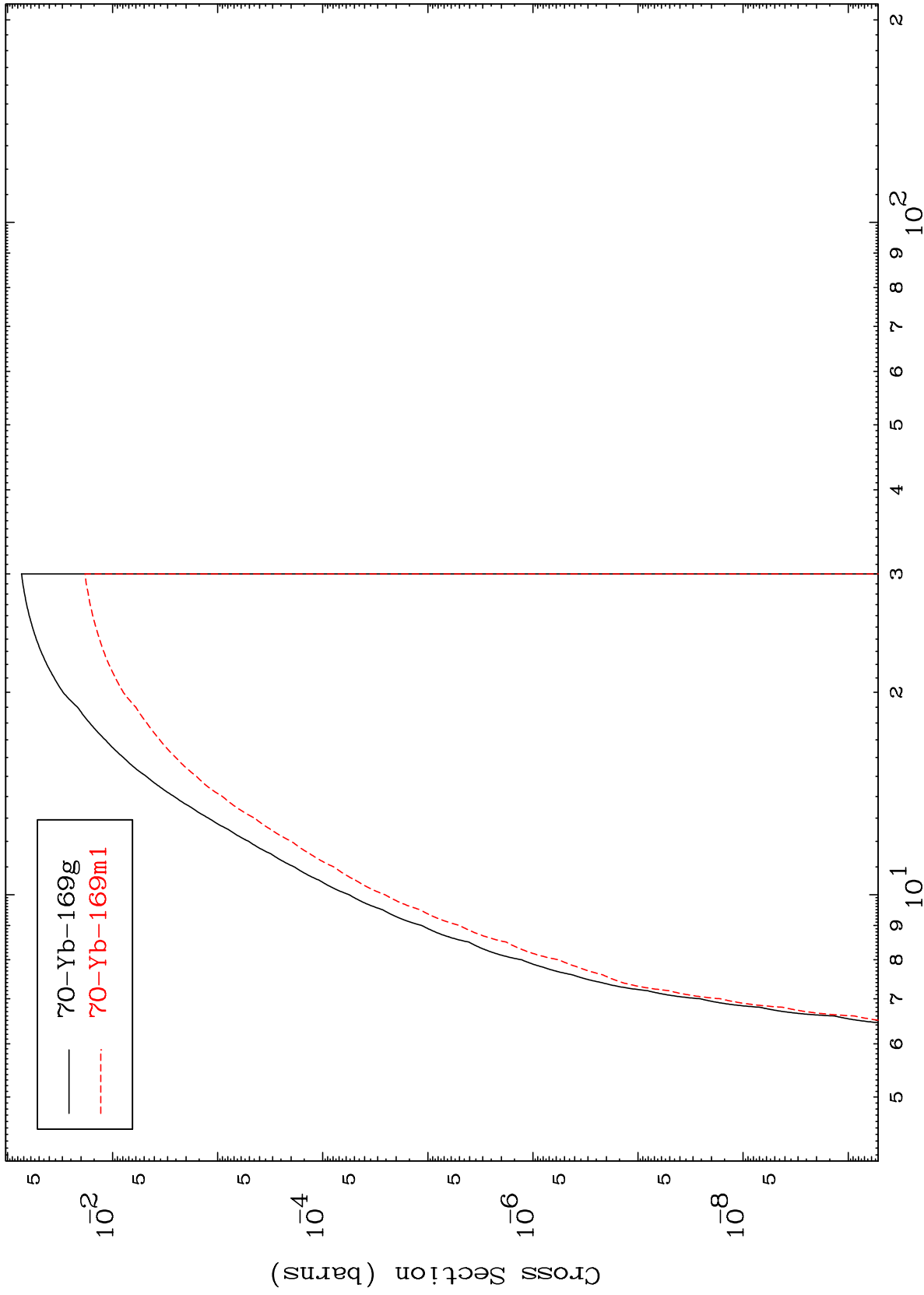
71-Lu-170

MAT 7110

(n,n') p

71-Lu-170

Radionuclide Production Cross Section



70-Yb-169g  
70-Yb-169m1

129

Incident Energy (MeV)

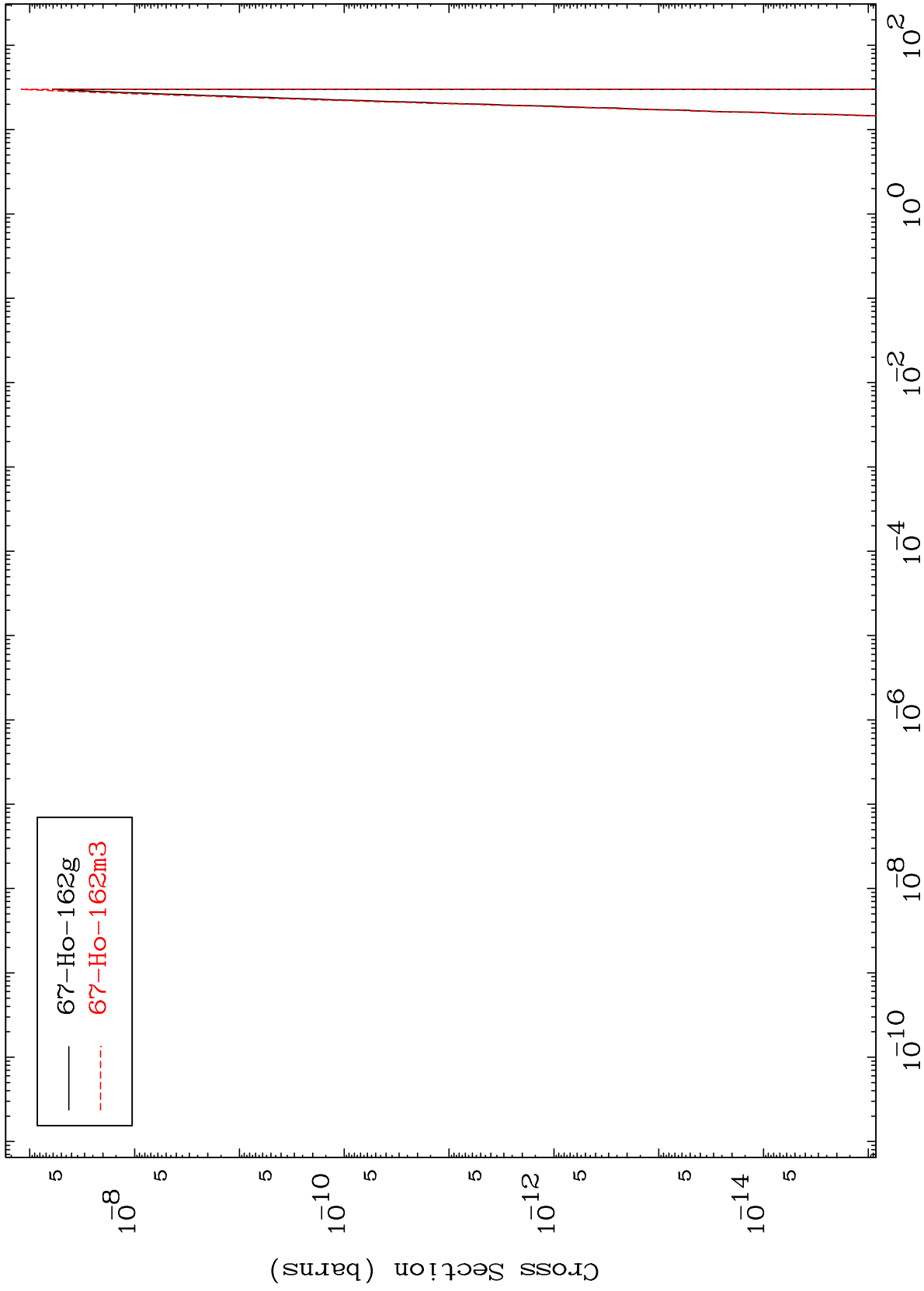
71-Lu-170

MAT 7110

(n,n') 2α

71-Lu-170

Radionuclide Production Cross Section



130

Incident Energy (MeV)

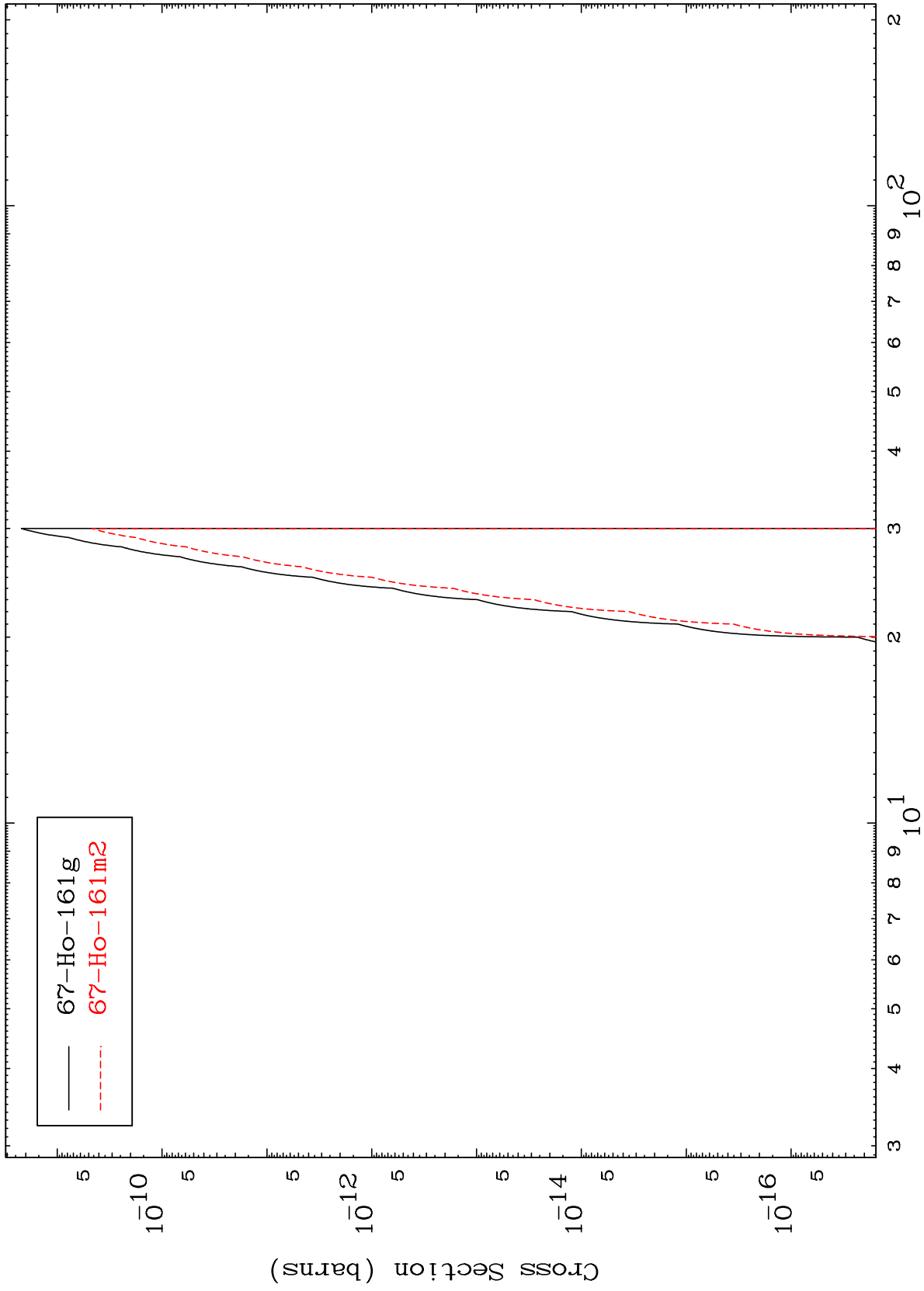
71-Lu-170

MAT 7110

(n,2n) 2α

71-Lu-170

Radionuclide Production Cross Section



131

Incident Energy (MeV)

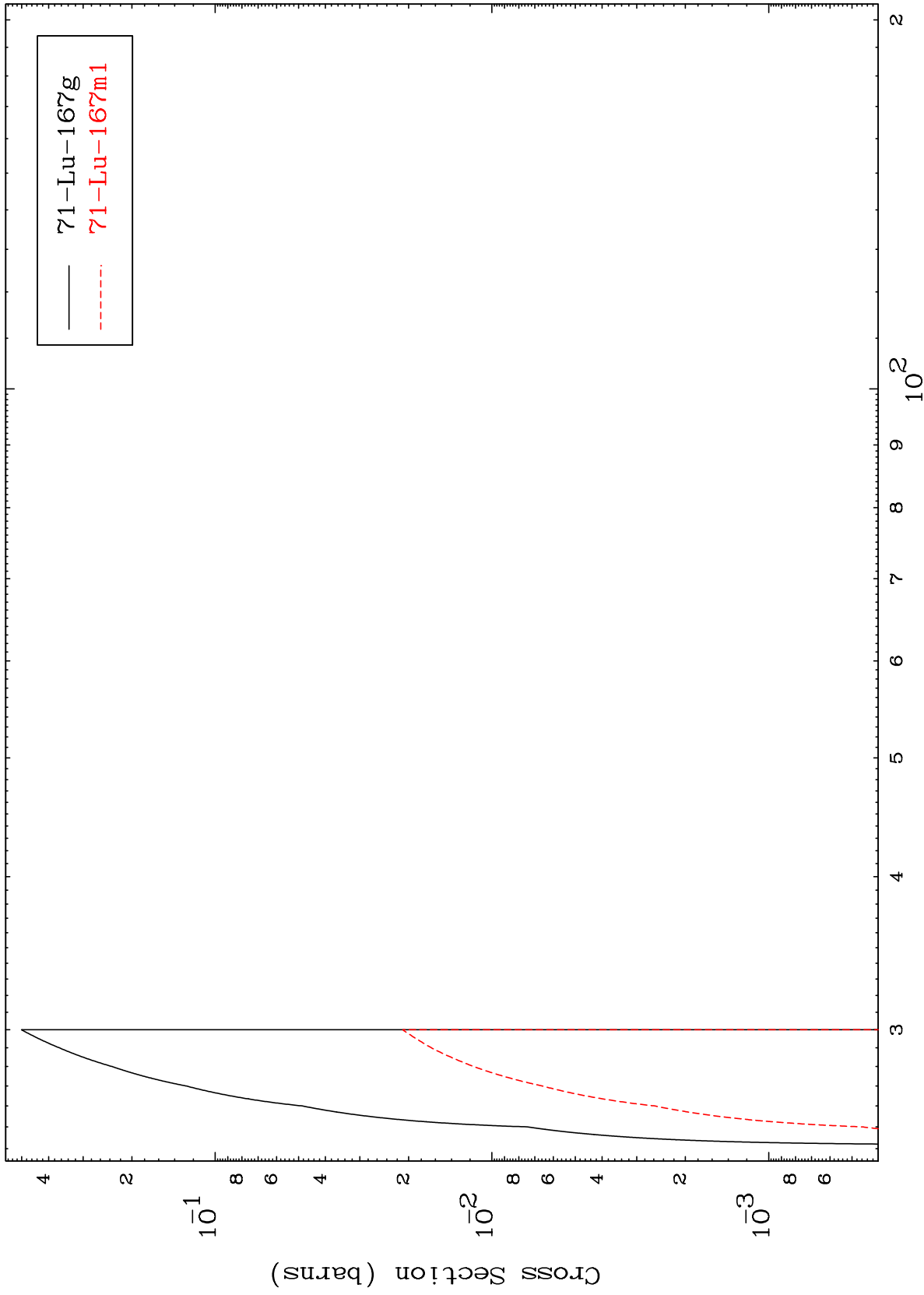
71-Lu-170

MAT 7110

(n,4n)

71-Lu-170

Radionuclide Production Cross Section



132

Incident Energy (MeV)

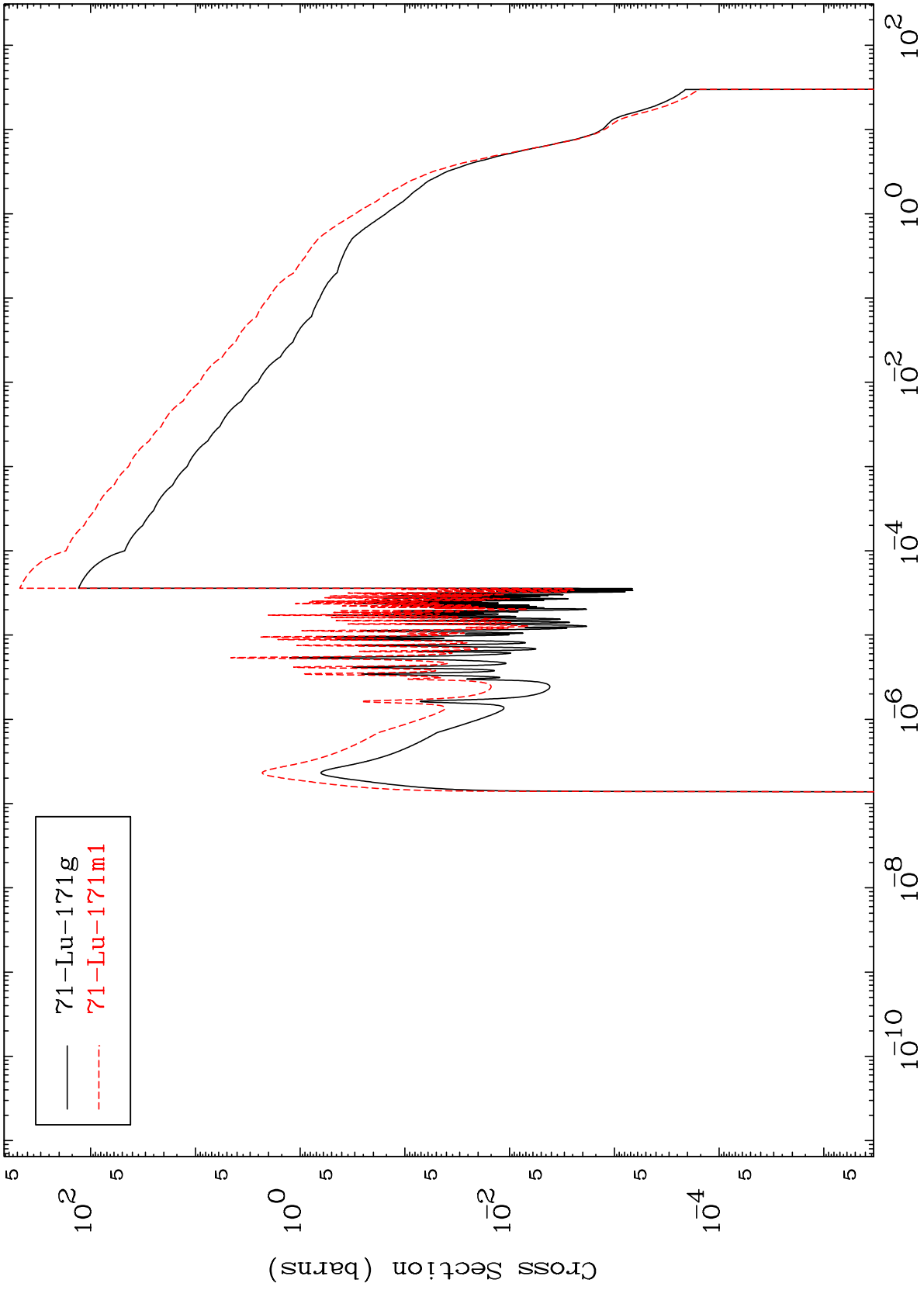
71-Lu-170

MAT 7110

71-Lu-170

Radionuclide Production Cross Section

(n,γ)



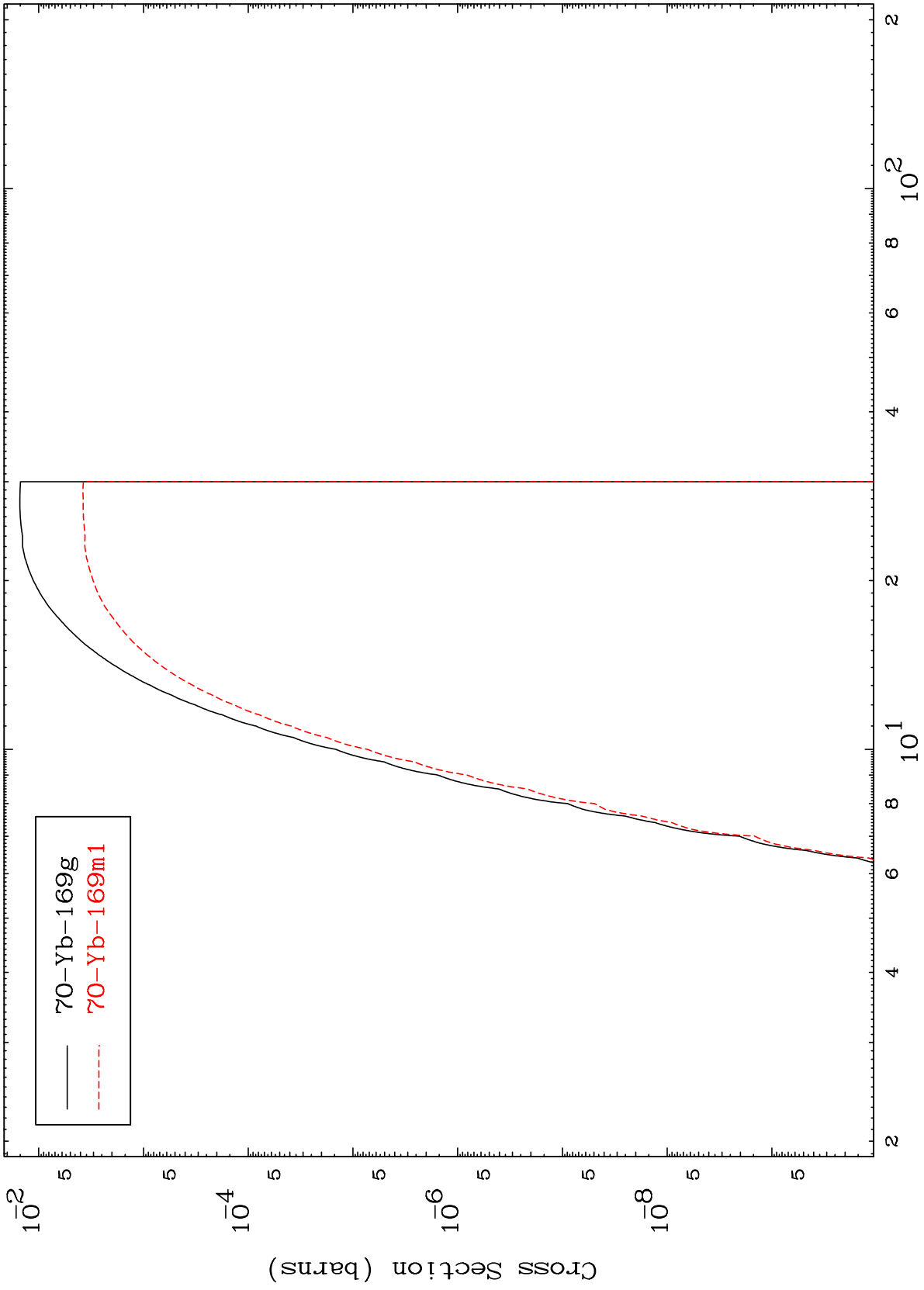
133

71-Lu-170

MAT 7110

(n,d)  
Radionuclide Production Cross Section

<sup>71</sup>Lu-170



134

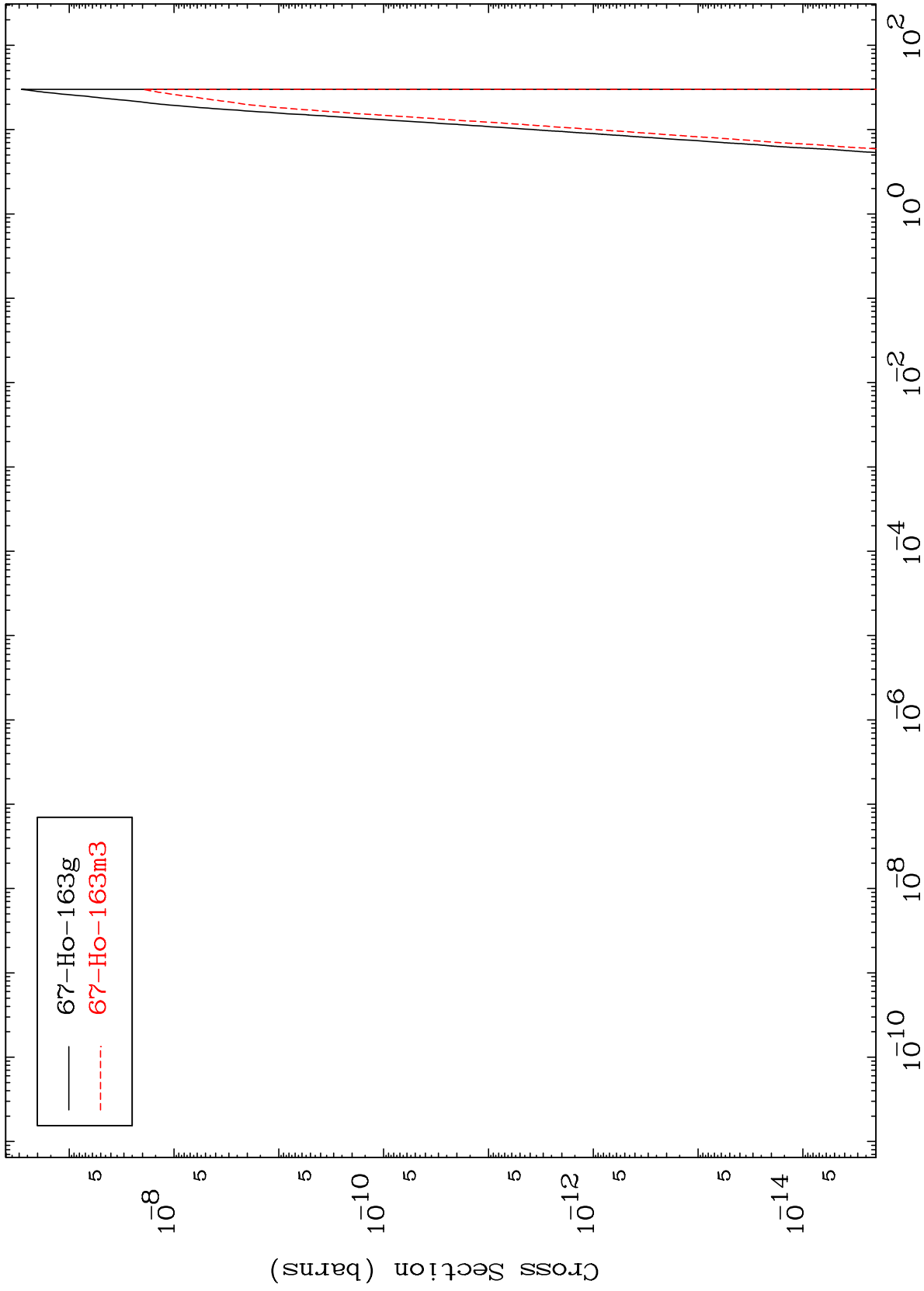
Incident Energy (MeV)

<sup>71</sup>Lu-170

MAT 7110

(n,2α)  
Radionuclide Production Cross Section

<sup>71</sup>Lu-170



135

Incident Energy (MeV)

<sup>71</sup>Lu-170