

Program EVALPLOT  
(Version 2015-2)

by

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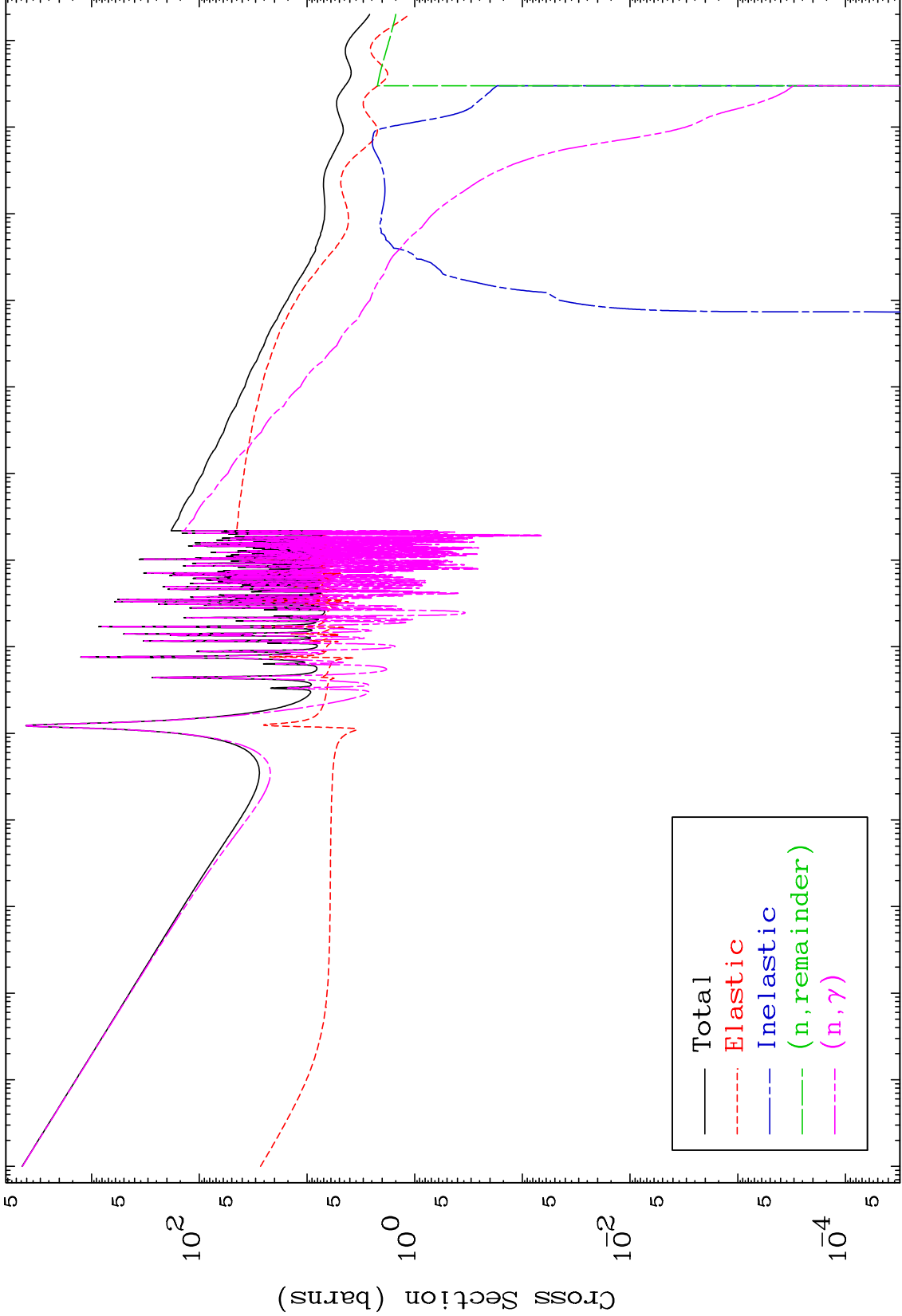
Press Mouse Button to Start

MAT 7113

Major

71-Lu-171

293 Kelvin Cross Sections



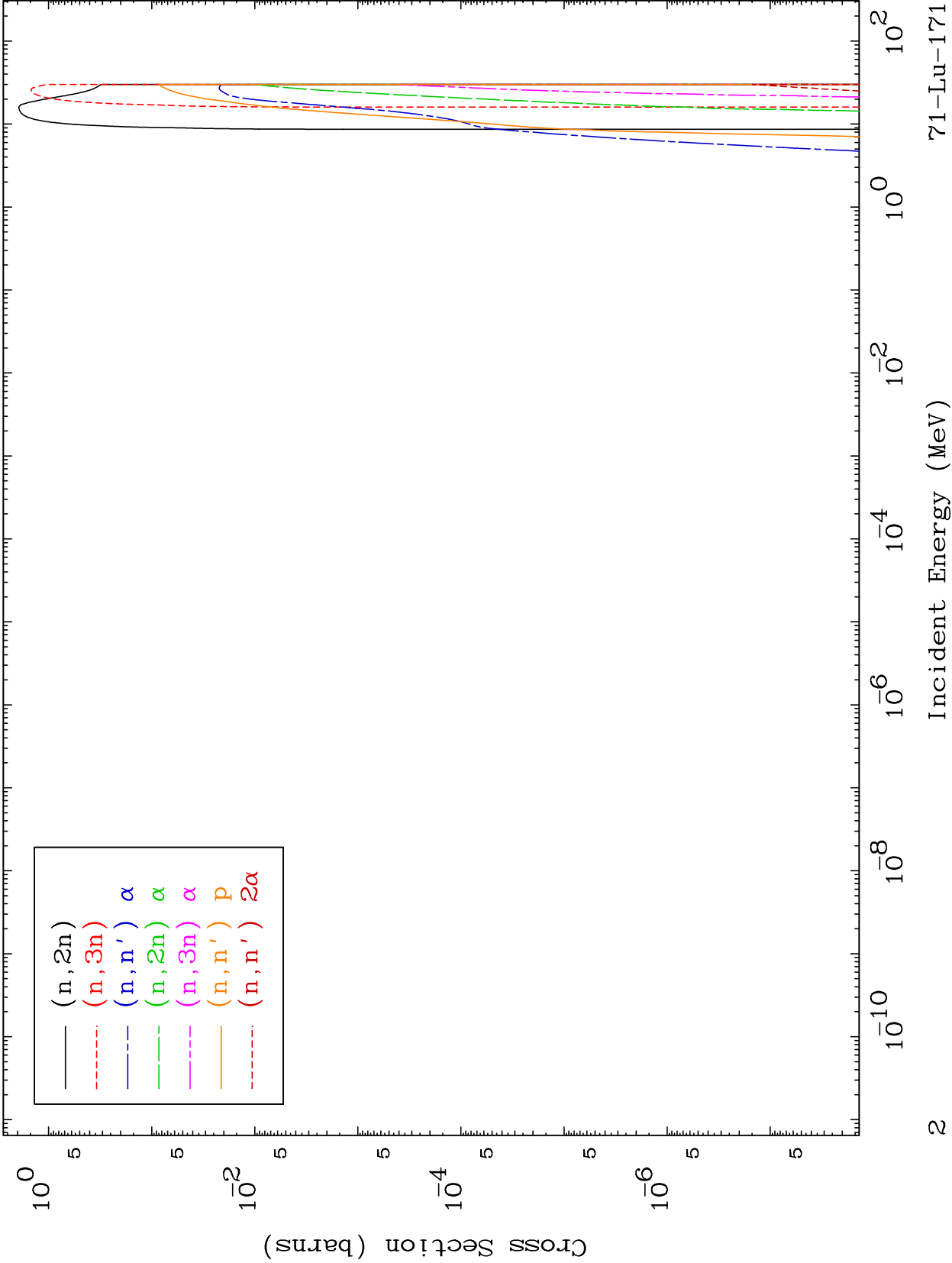
71-Lu-171

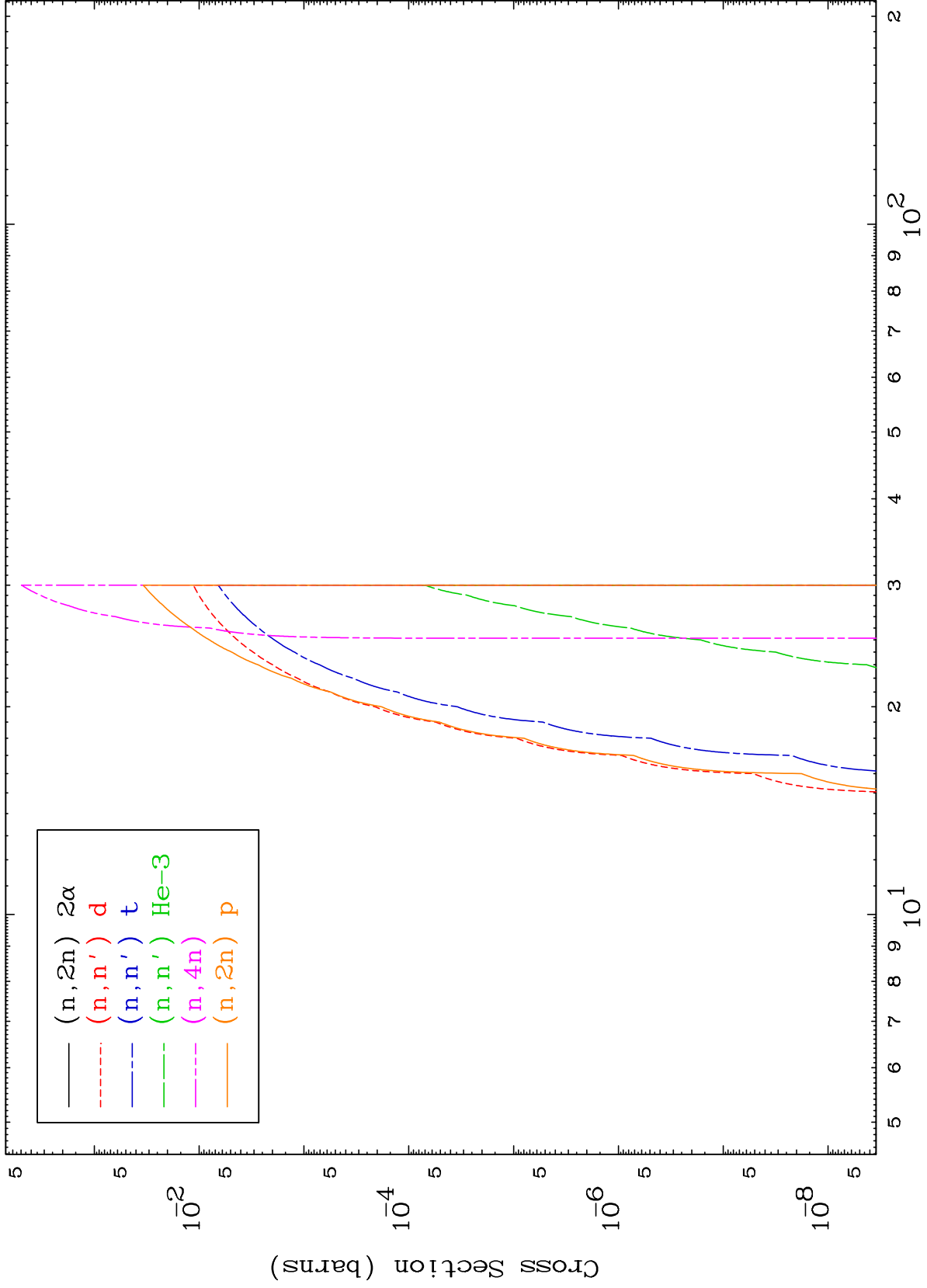
Incident Energy (MeV)

MAT 7113

Neutron Production  
293 Kelvin Cross Sections

71-Lu-171

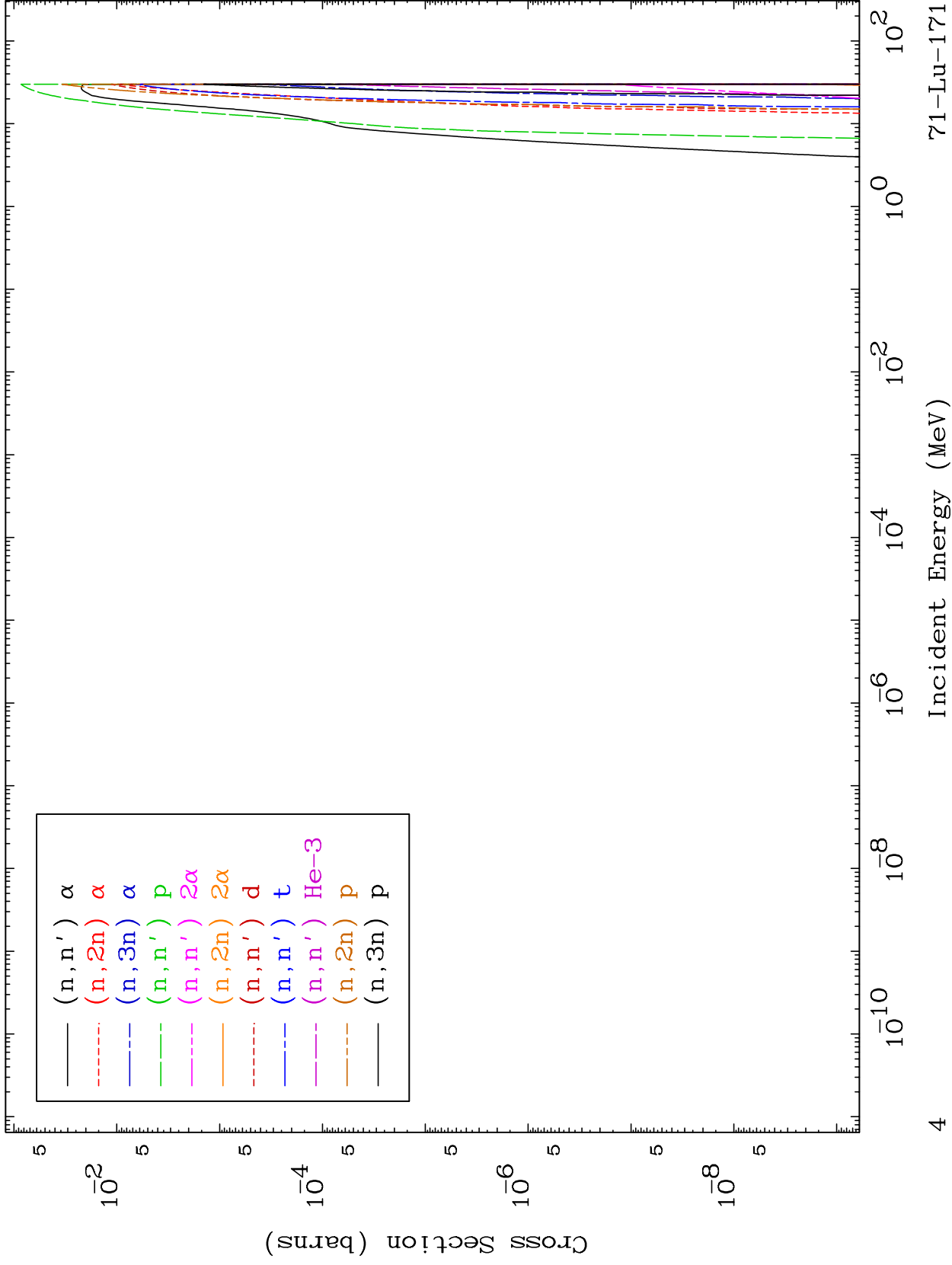




MAT 7113

Charged Particle  
293 Kelvin Cross Sections

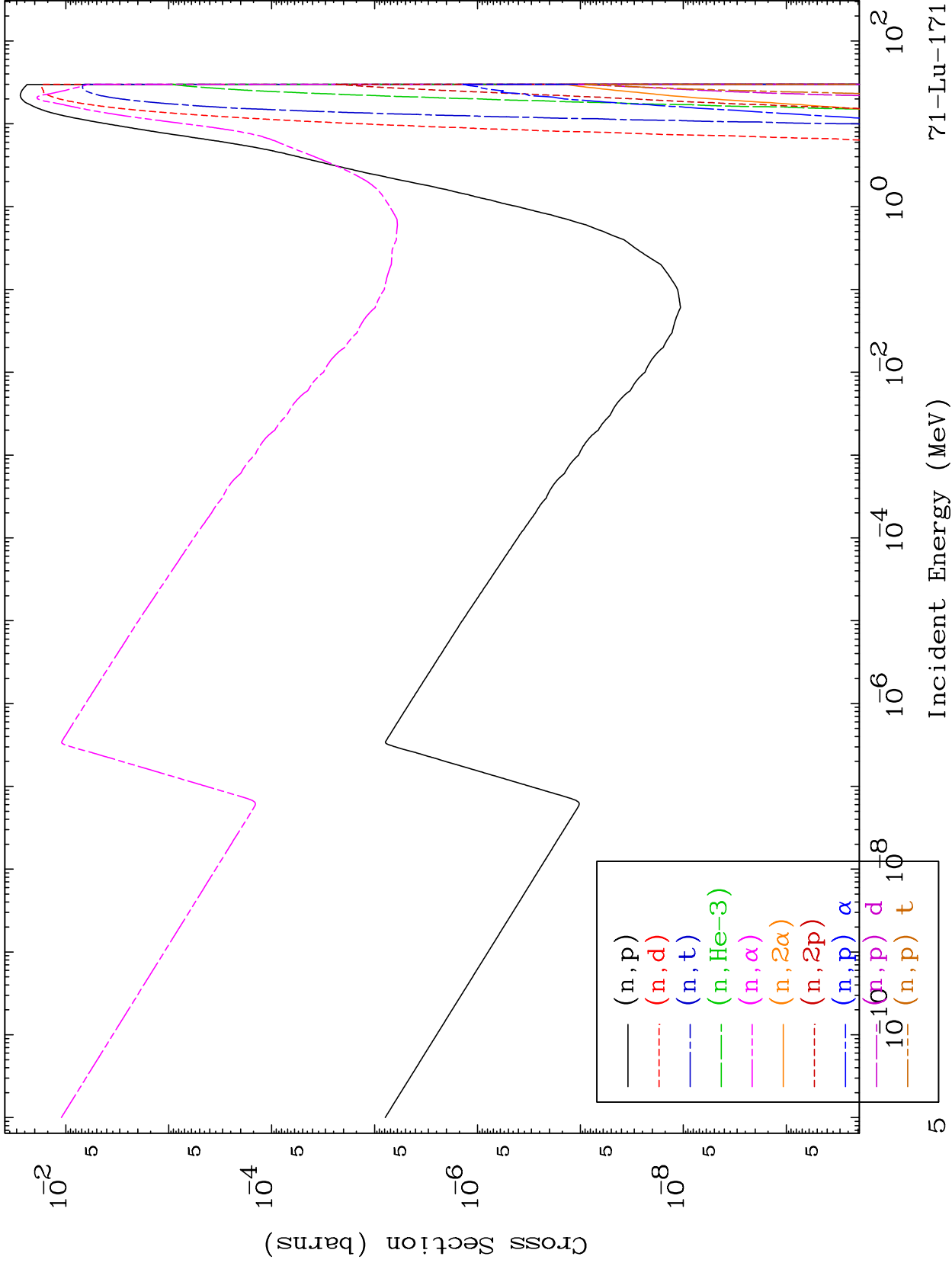
71-Lu-171

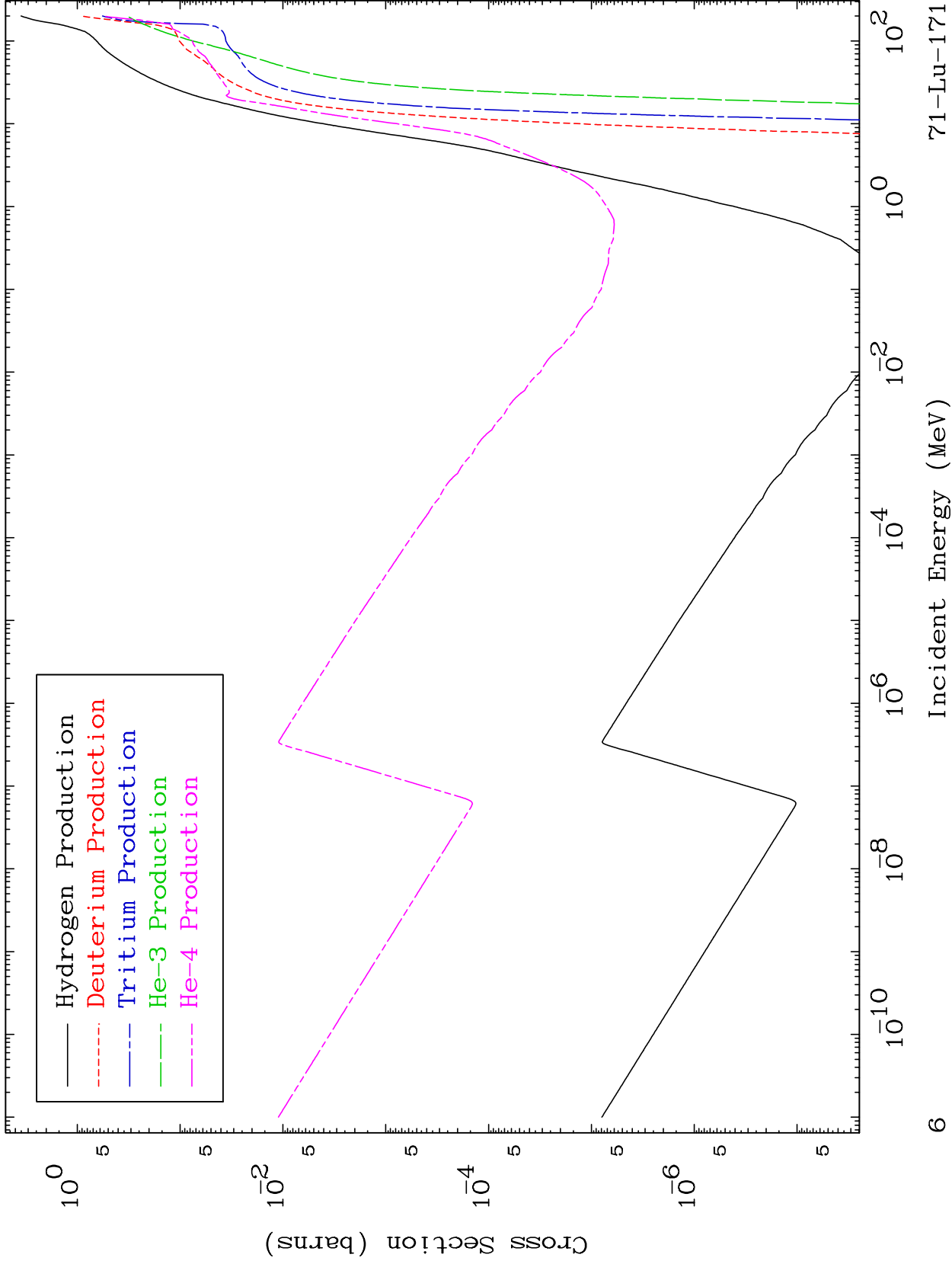


MAT 7113

Charged Particle  
293 Kelvin Cross Sections

71-Lu-171



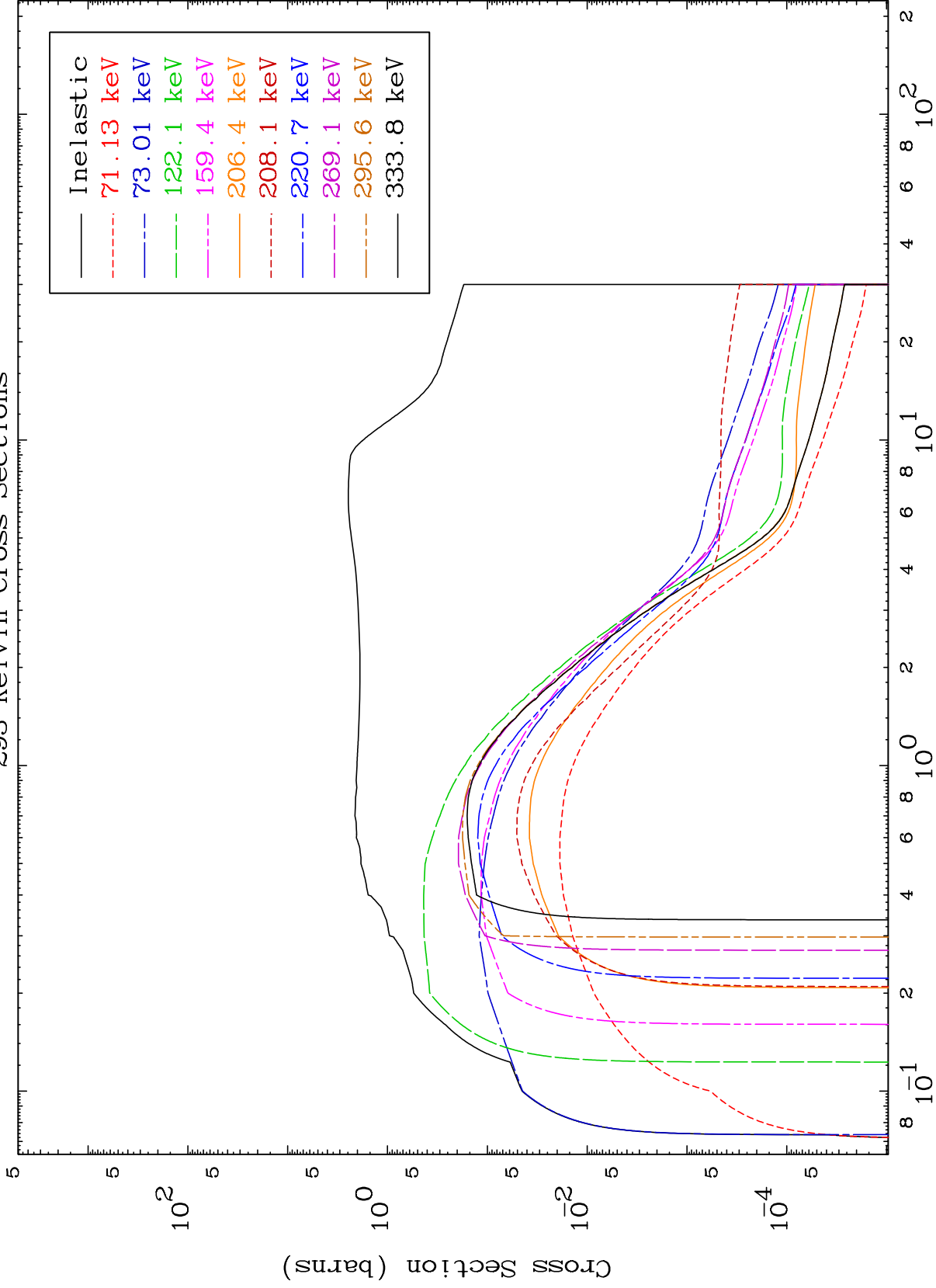


MAT 7113

(n,n') Level

71-Lu-171

293 Kelvin Cross Sections



7

Incident Energy (MeV)

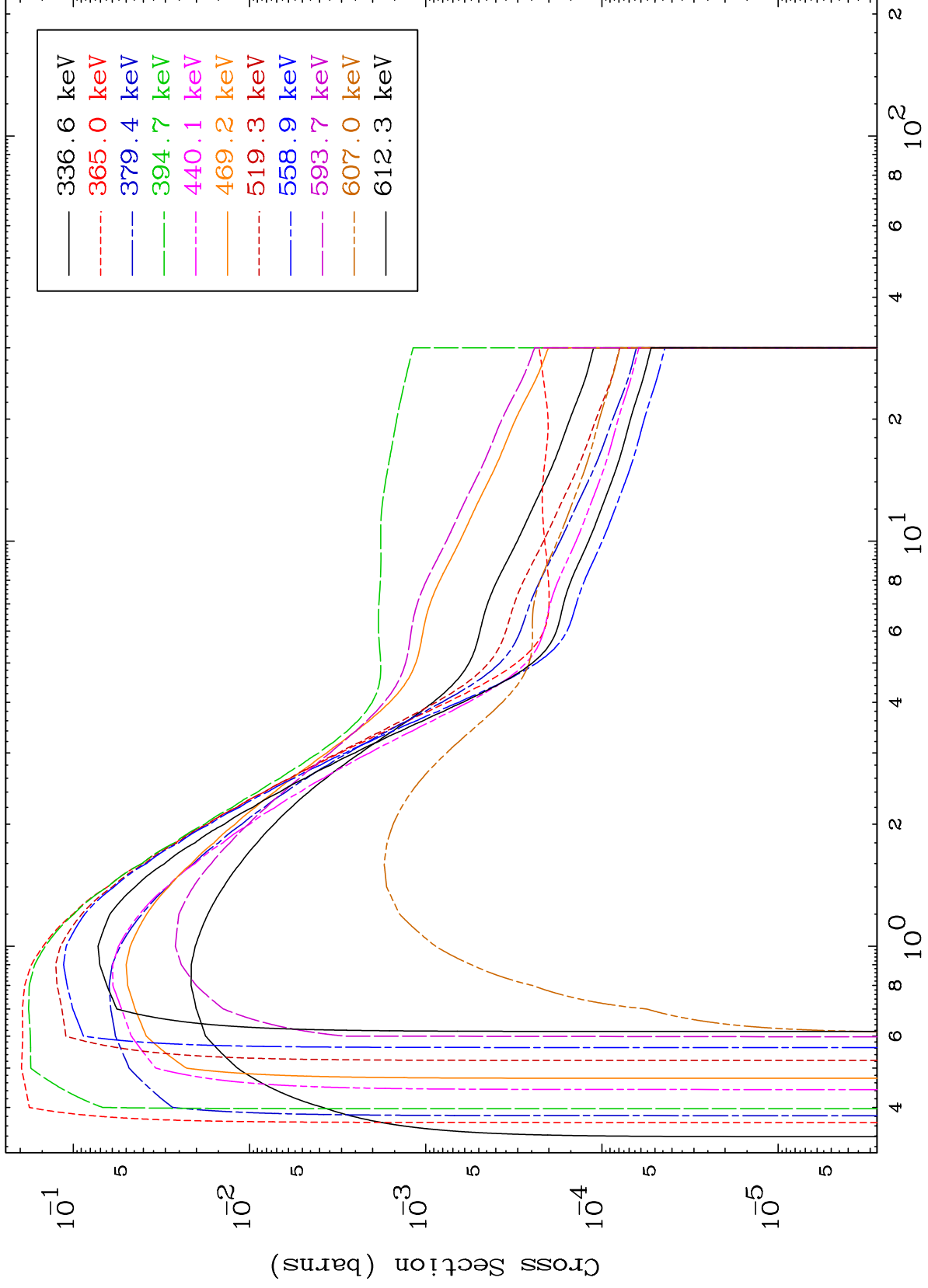
71-Lu-171



MAT 7113

(n,n') Level  
293 Kelvin Cross Sections

71-Lu-171



8

Incident Energy (MeV)

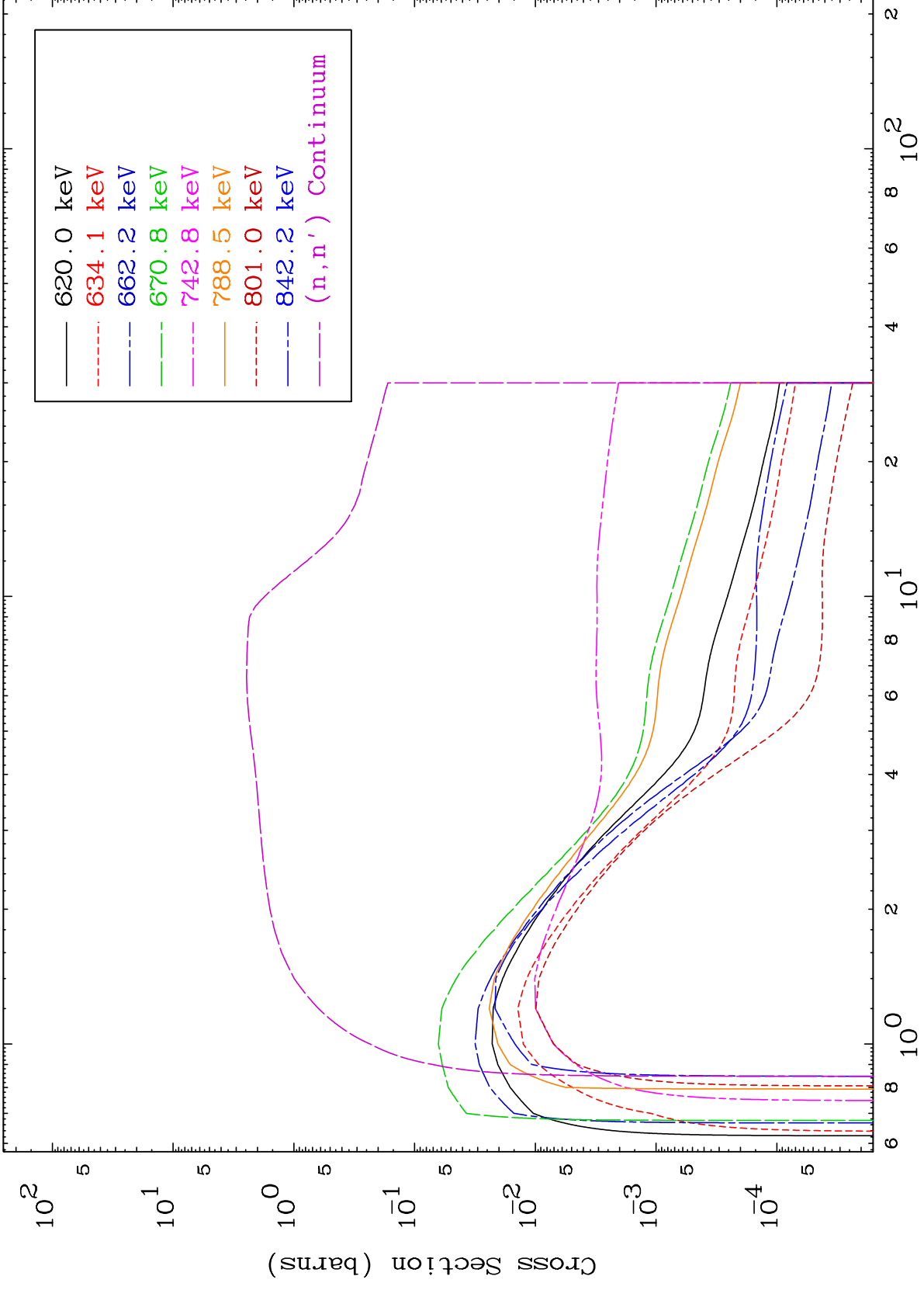
71-Lu-171

MAT 7113

(n,n') Level

71-Lu-171

293 Kelvin Cross Sections



9

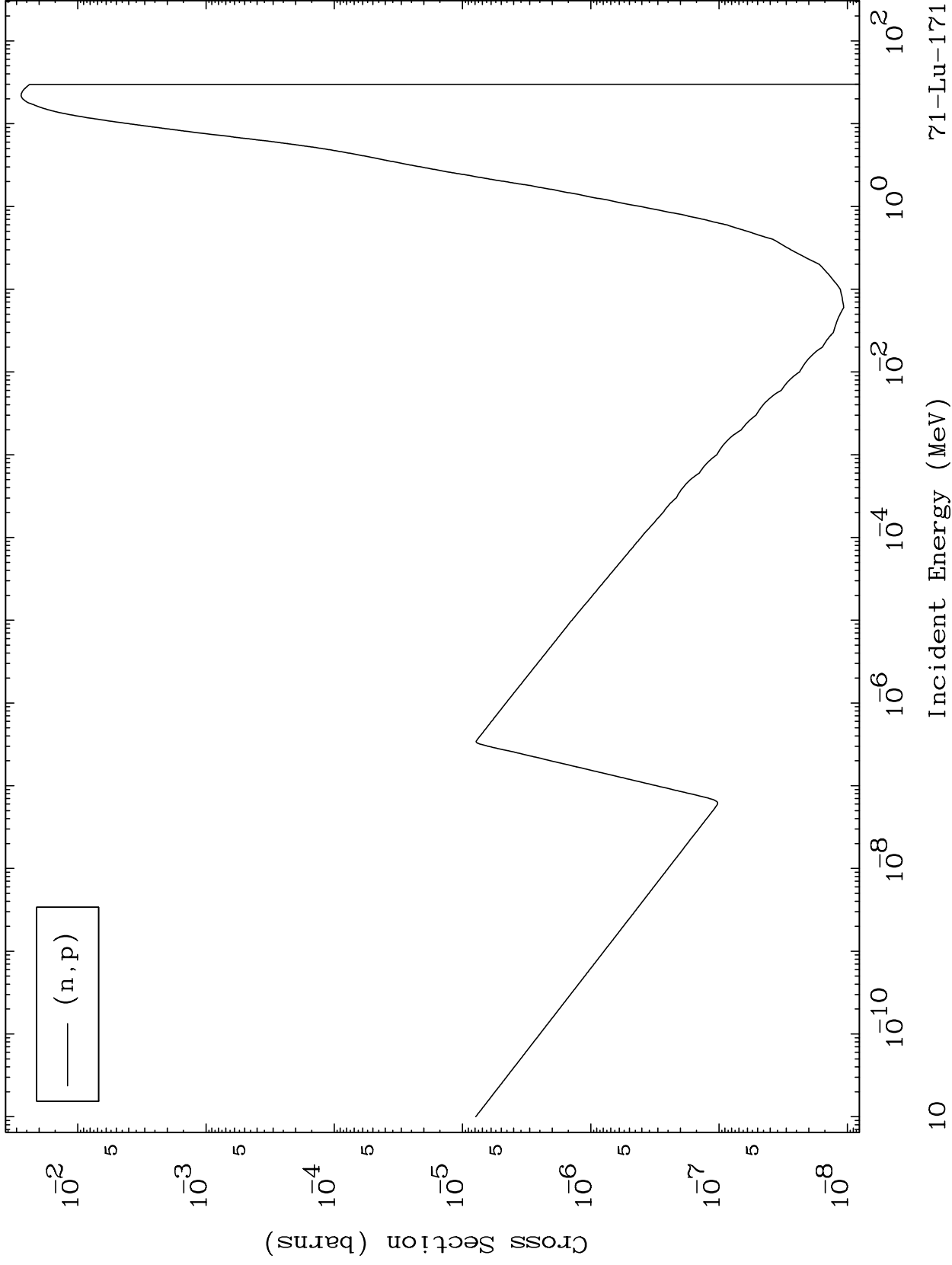
Incident Energy (MeV)

71-Lu-171

MAT 7113

(n,p) Levels  
293 Kelvin Cross Sections

71-Lu-171



10

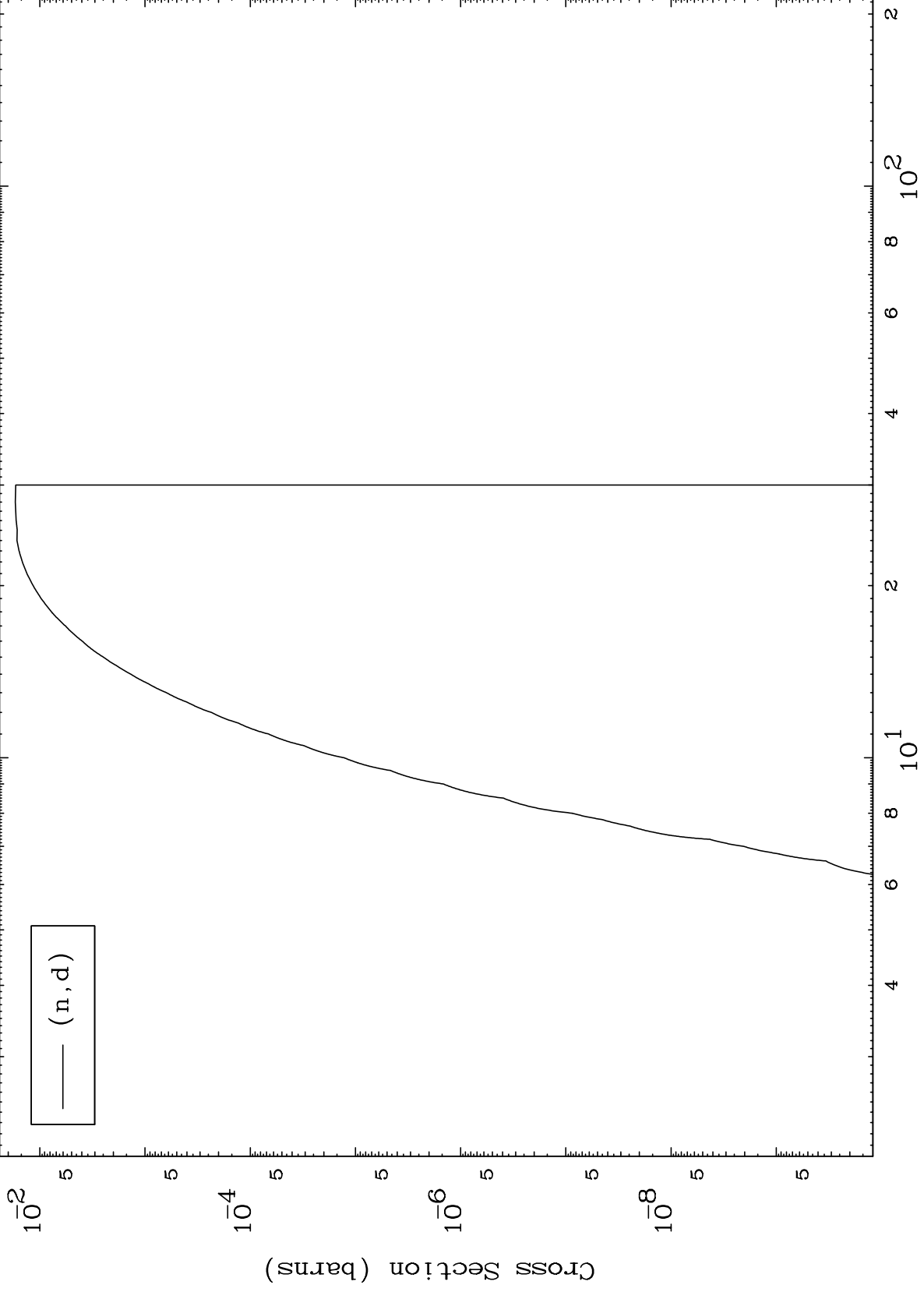
Incident Energy (MeV)

71-Lu-171

MAT 7113

(n,d) Levels  
293 Kelvin Cross Sections

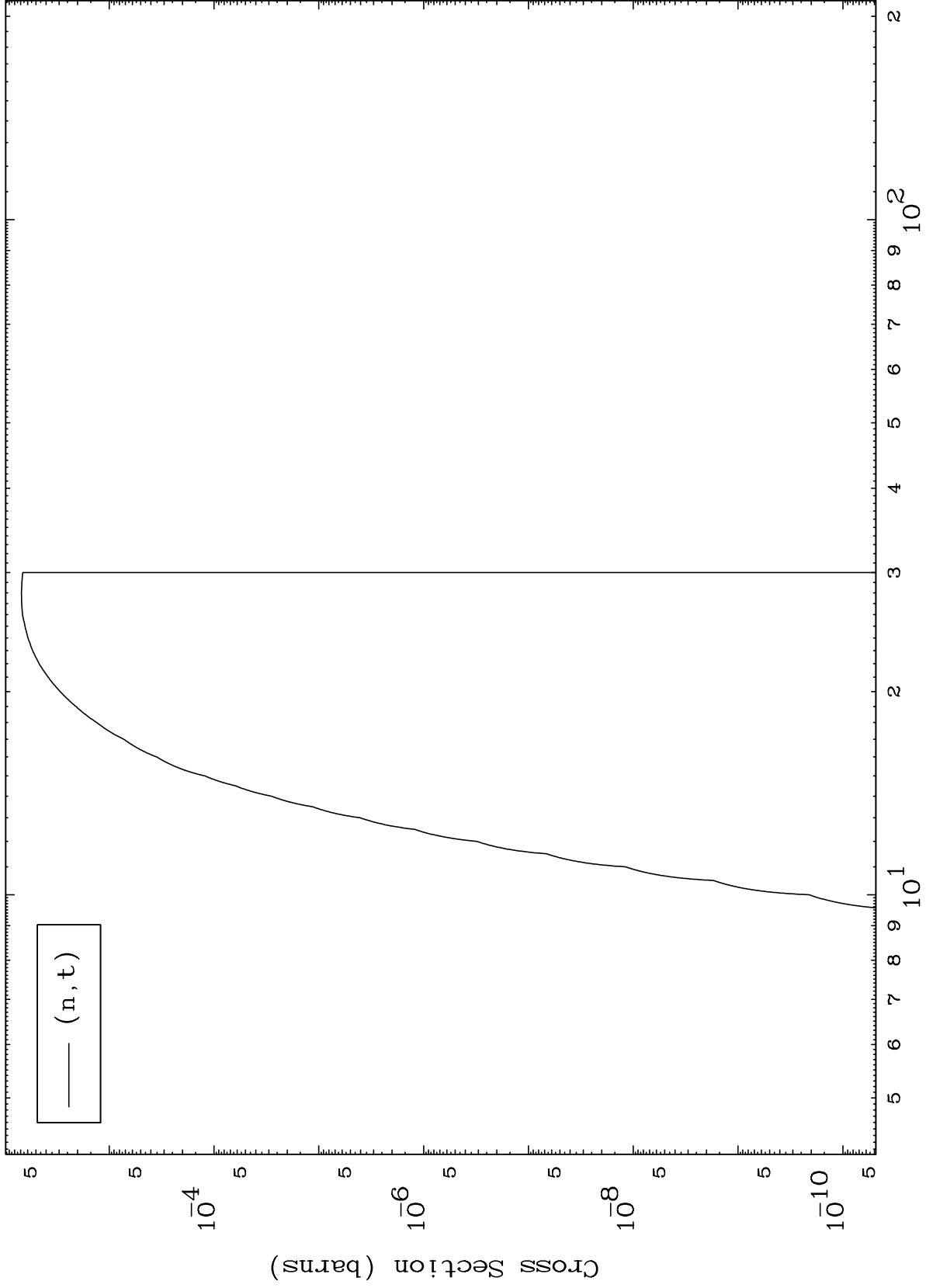
71-Lu-171



MAT 7113

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-171



12

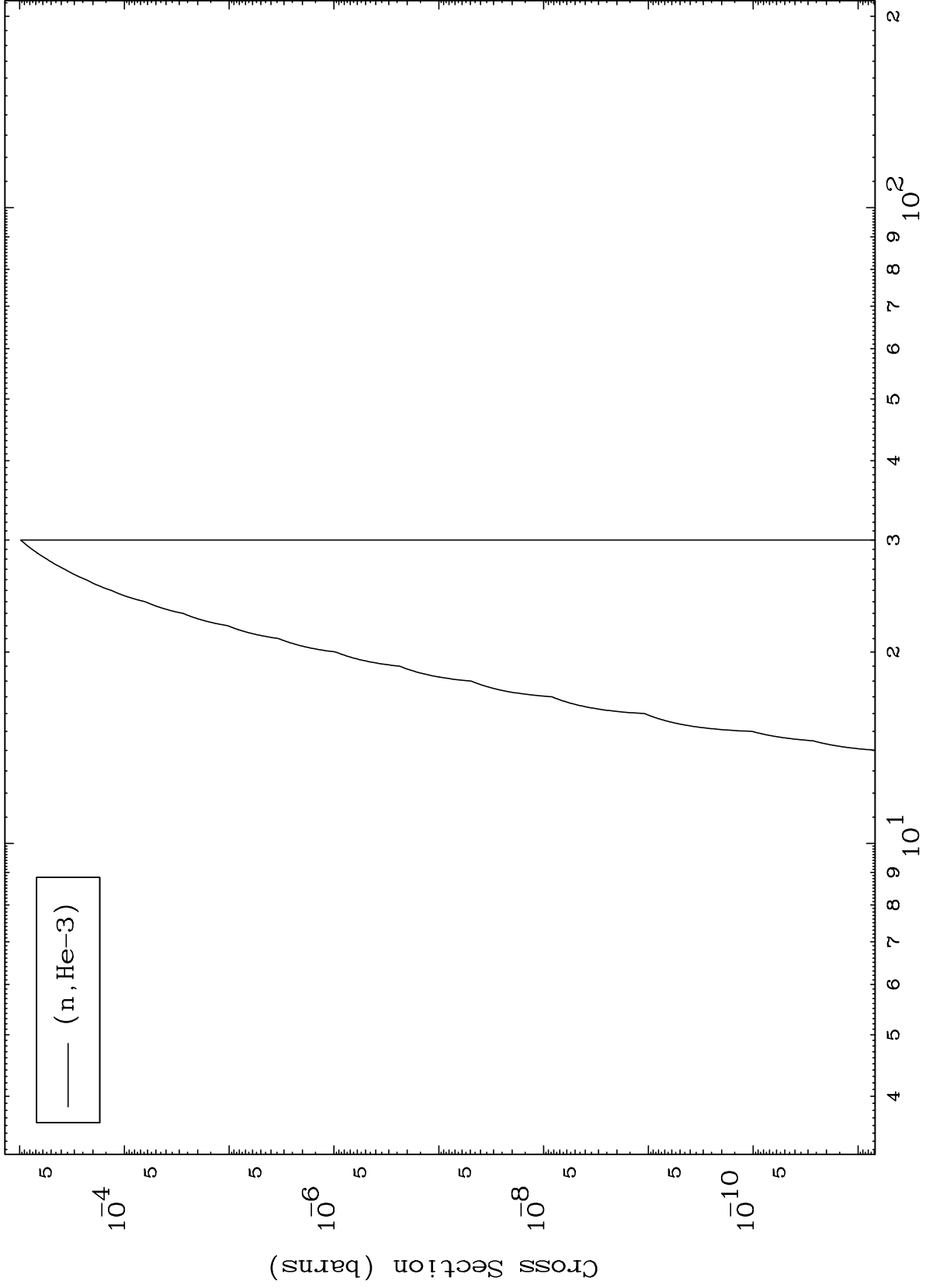
Incident Energy (MeV)

71-Lu-171

MAT 7113

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-171



13

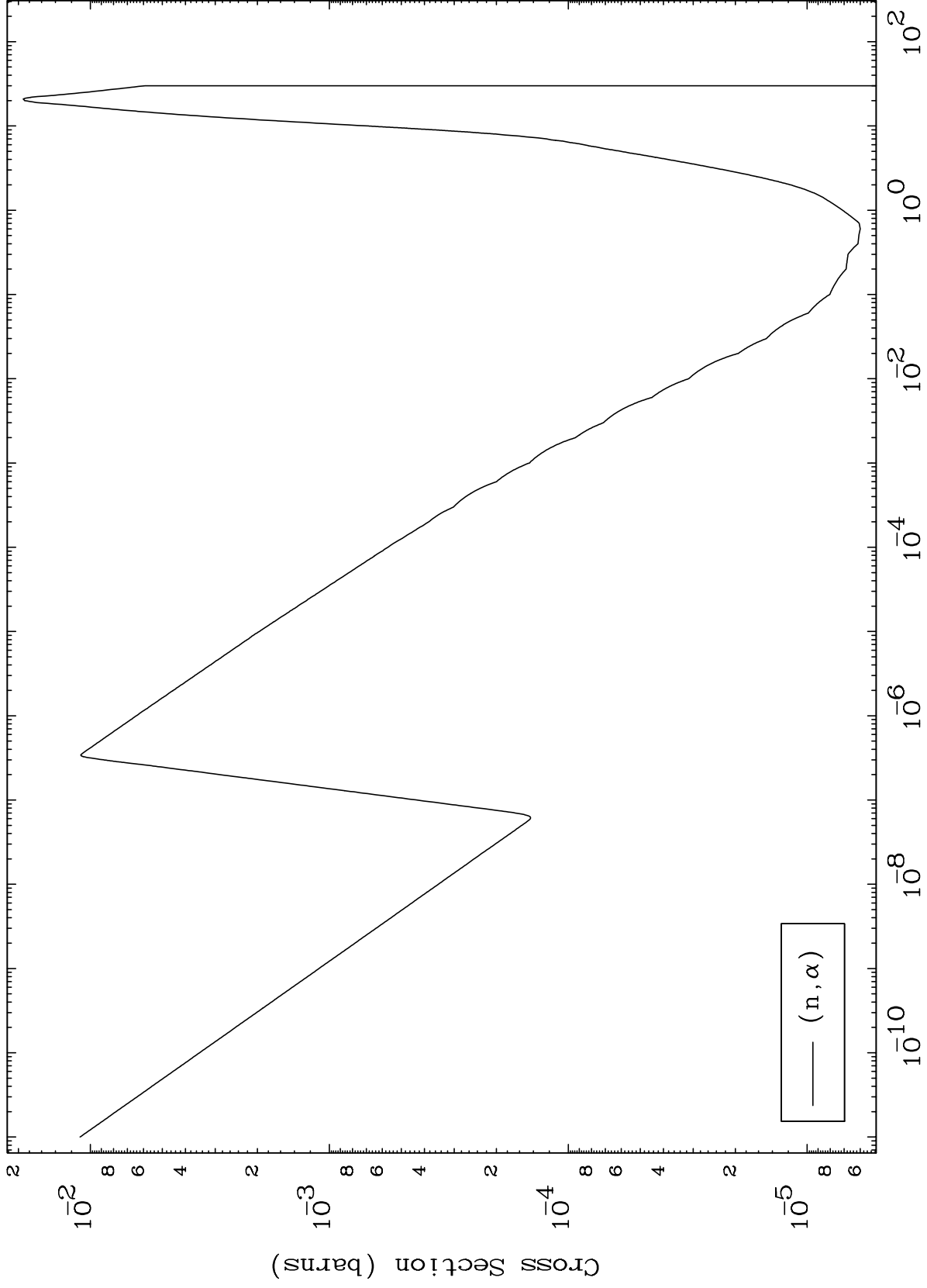
Incident Energy (MeV)

71-Lu-171

MAT 7113

(n,α) Levels  
293 Kelvin Cross Sections

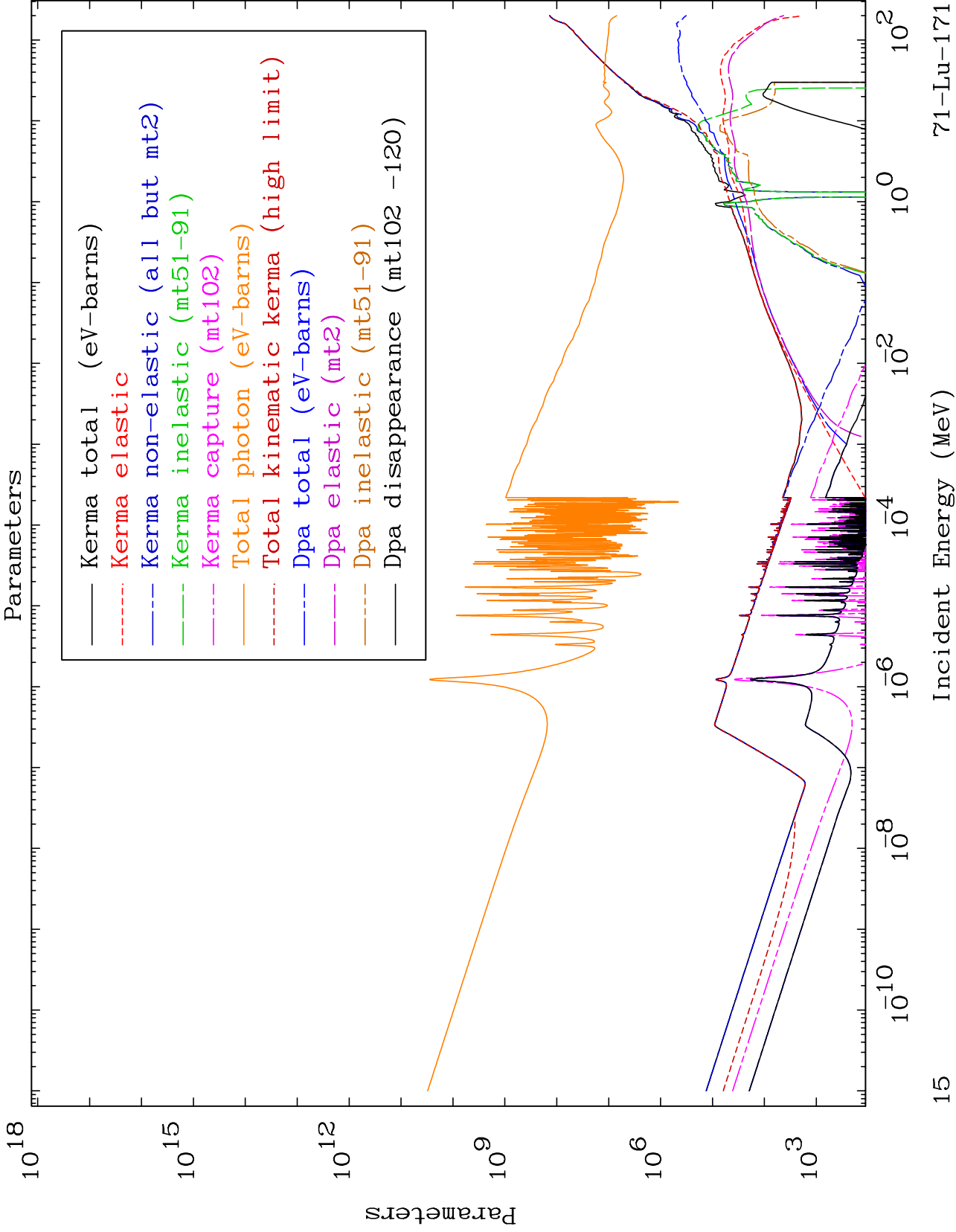
71-Lu-171



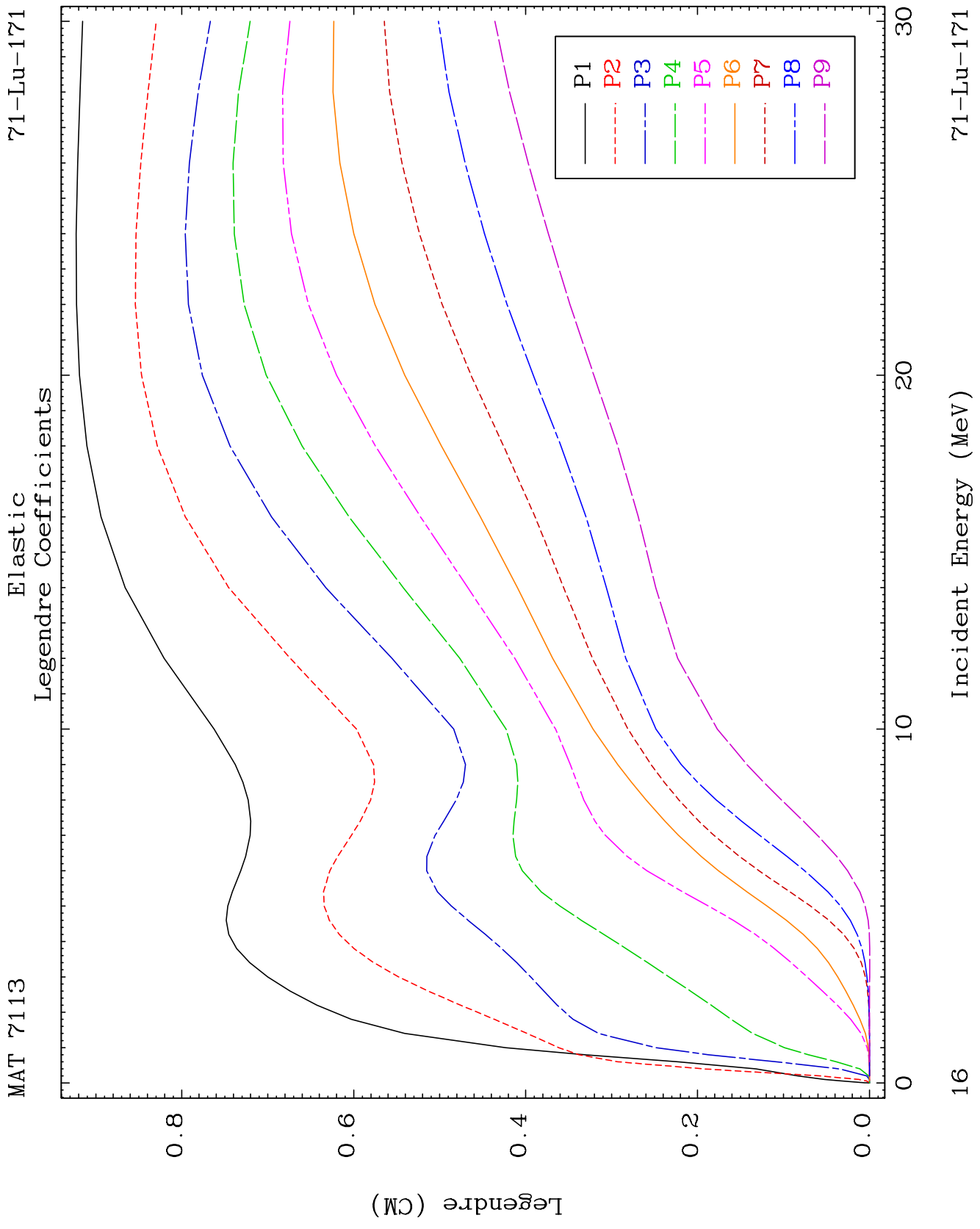
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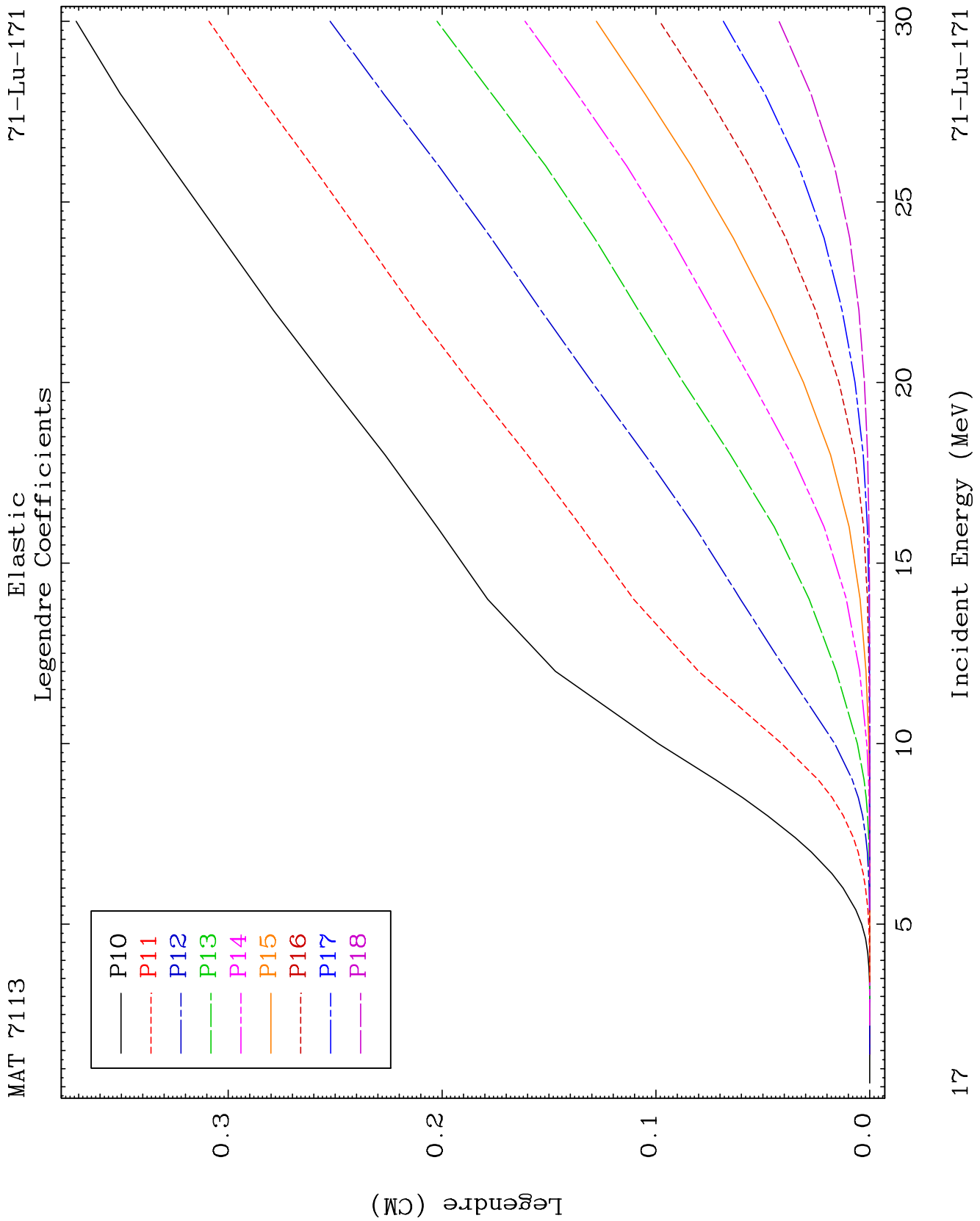
Incident Energy (MeV)

71-Lu-171





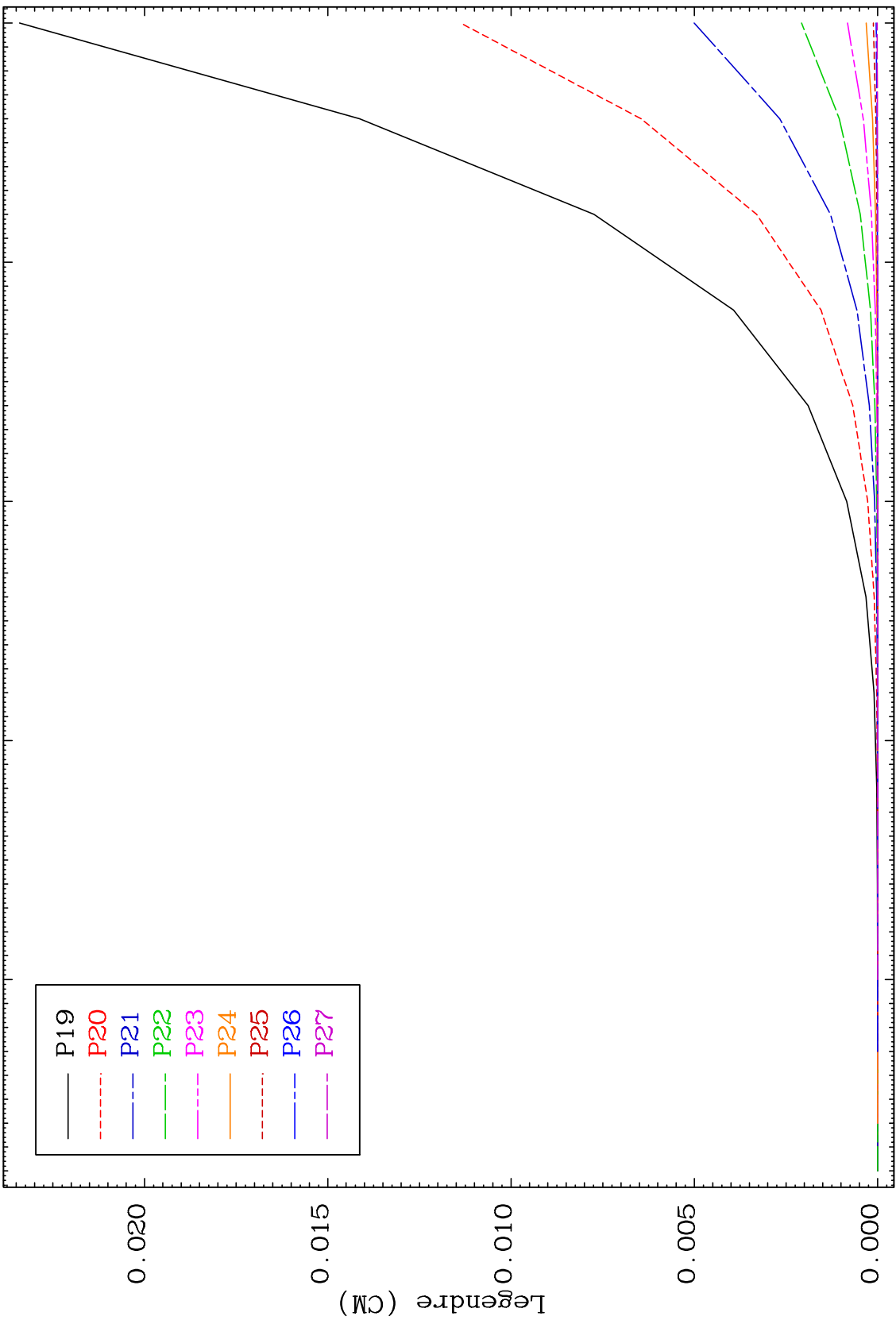




MAT 7113

### Elastic Legendre Coefficients

71-Lu-171



18

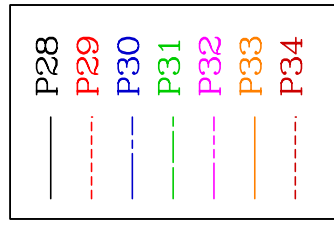
Incident Energy (MeV)

71-Lu-171

MAT 7113

Elastic  
Legendre Coefficients

71-Lu-171

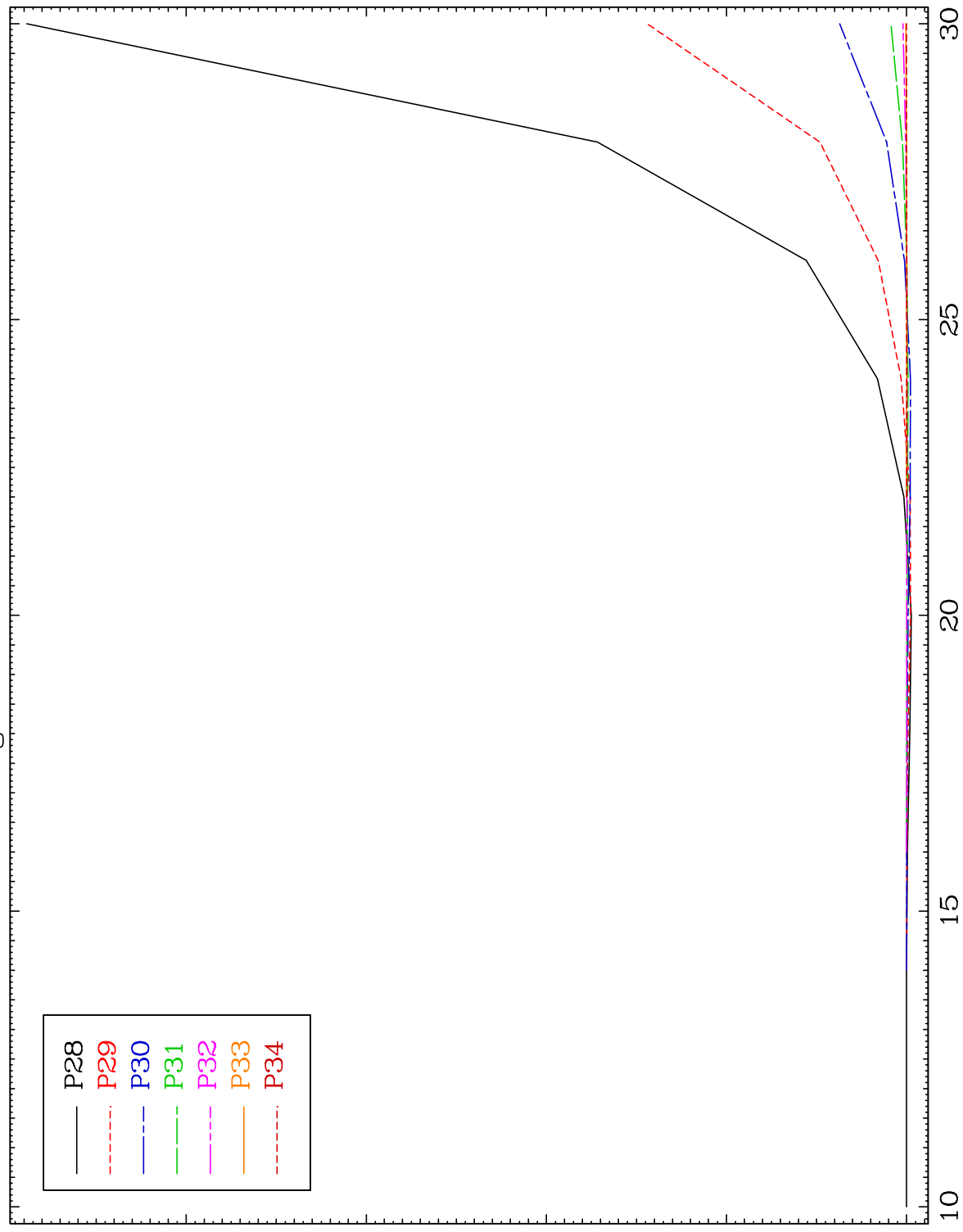


$\times 10^{-6}$

Legendre (CM)

Incident Energy (MeV)

71-Lu-171

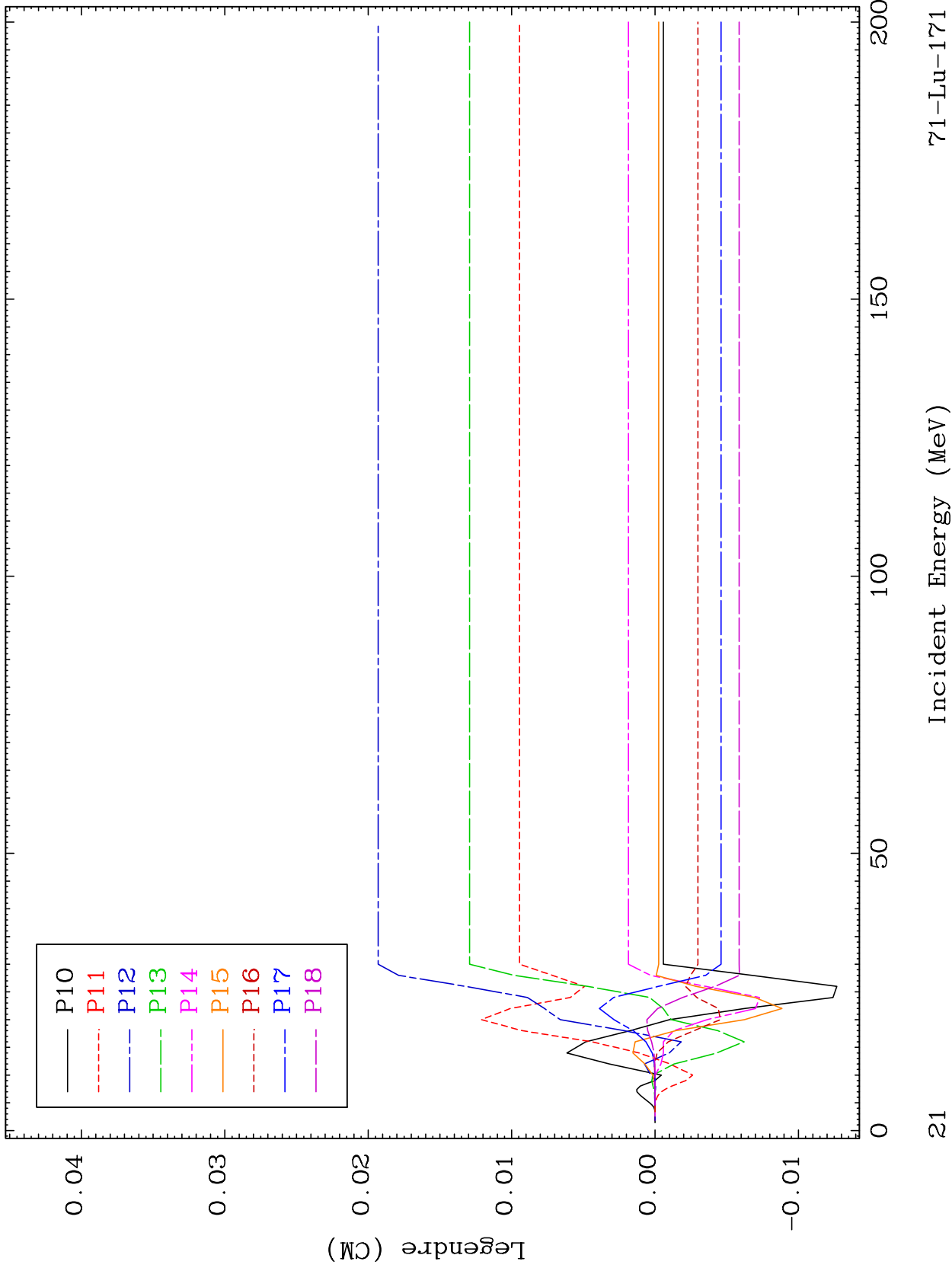




MAT 7113

71.13 keV (n,n') Level  
Legendre Coefficients

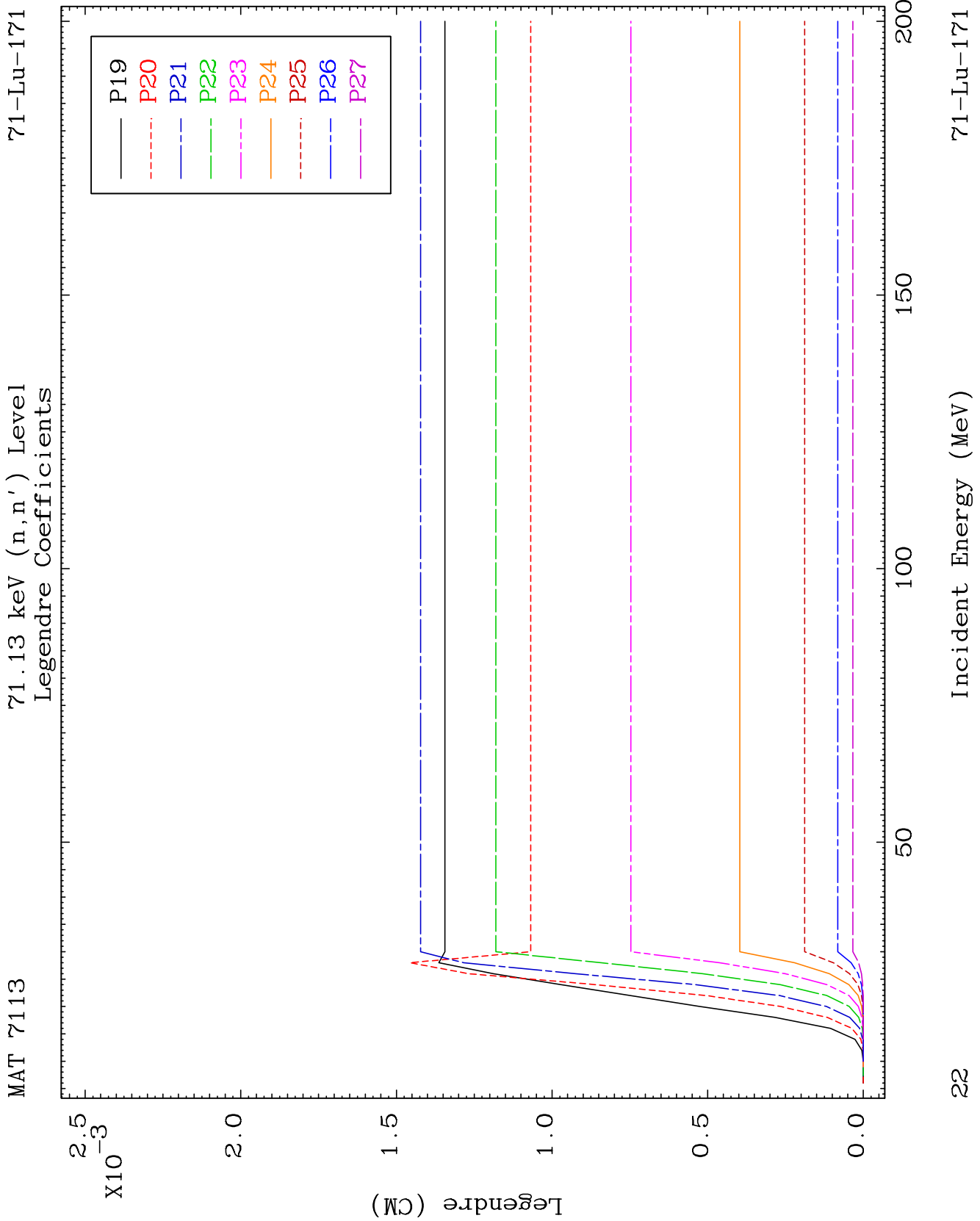
71-Lu-171

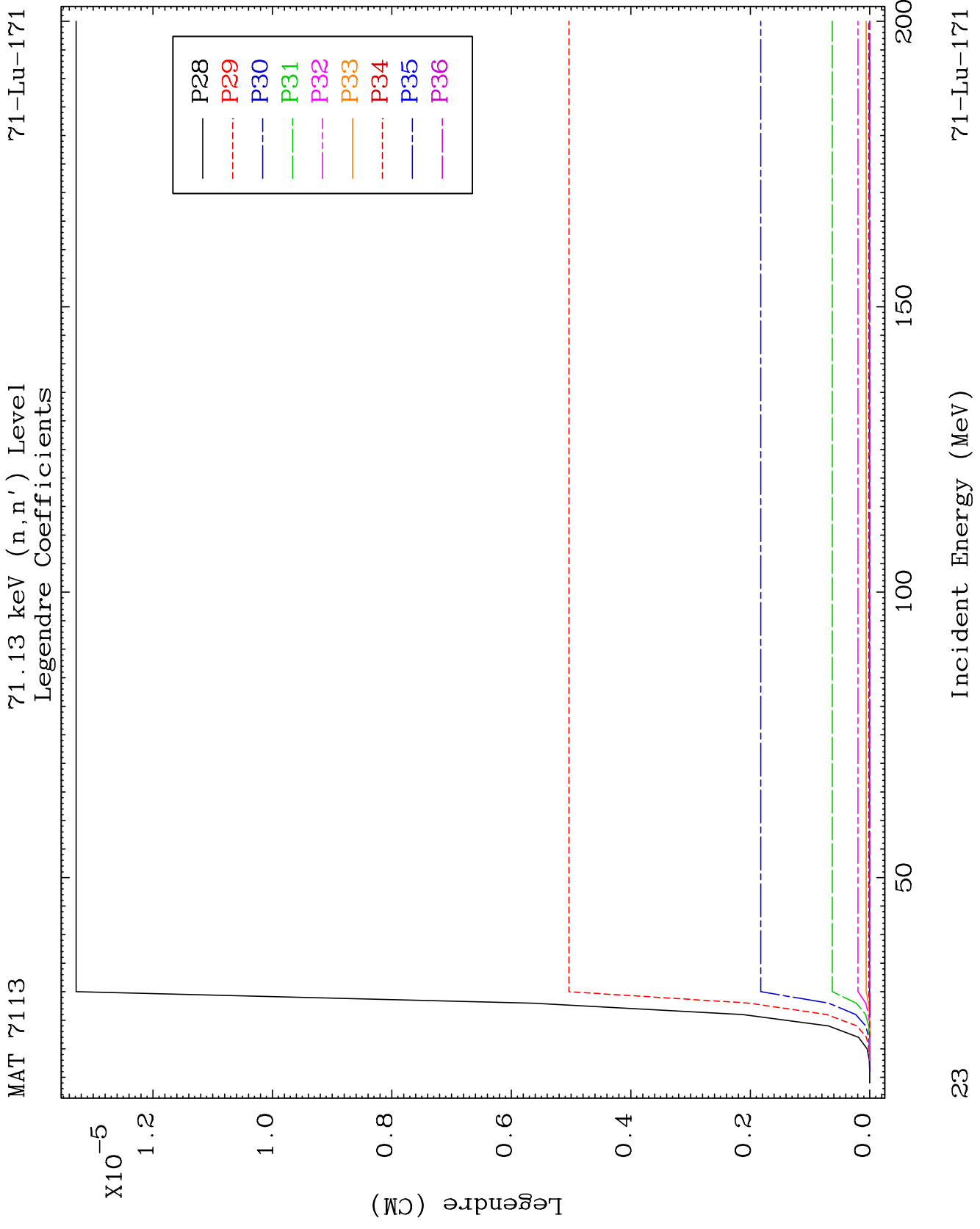


21

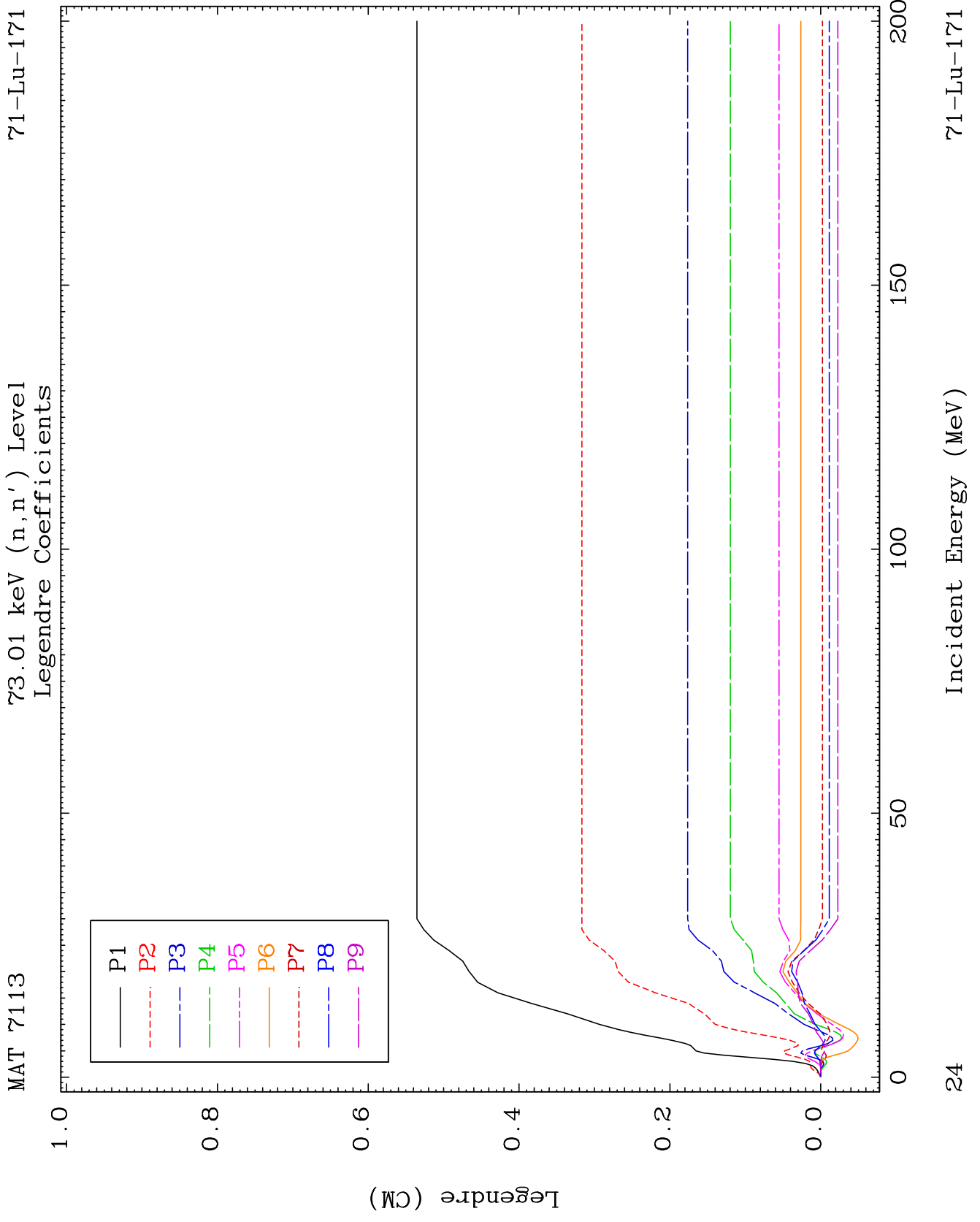
Incident Energy (MeV)

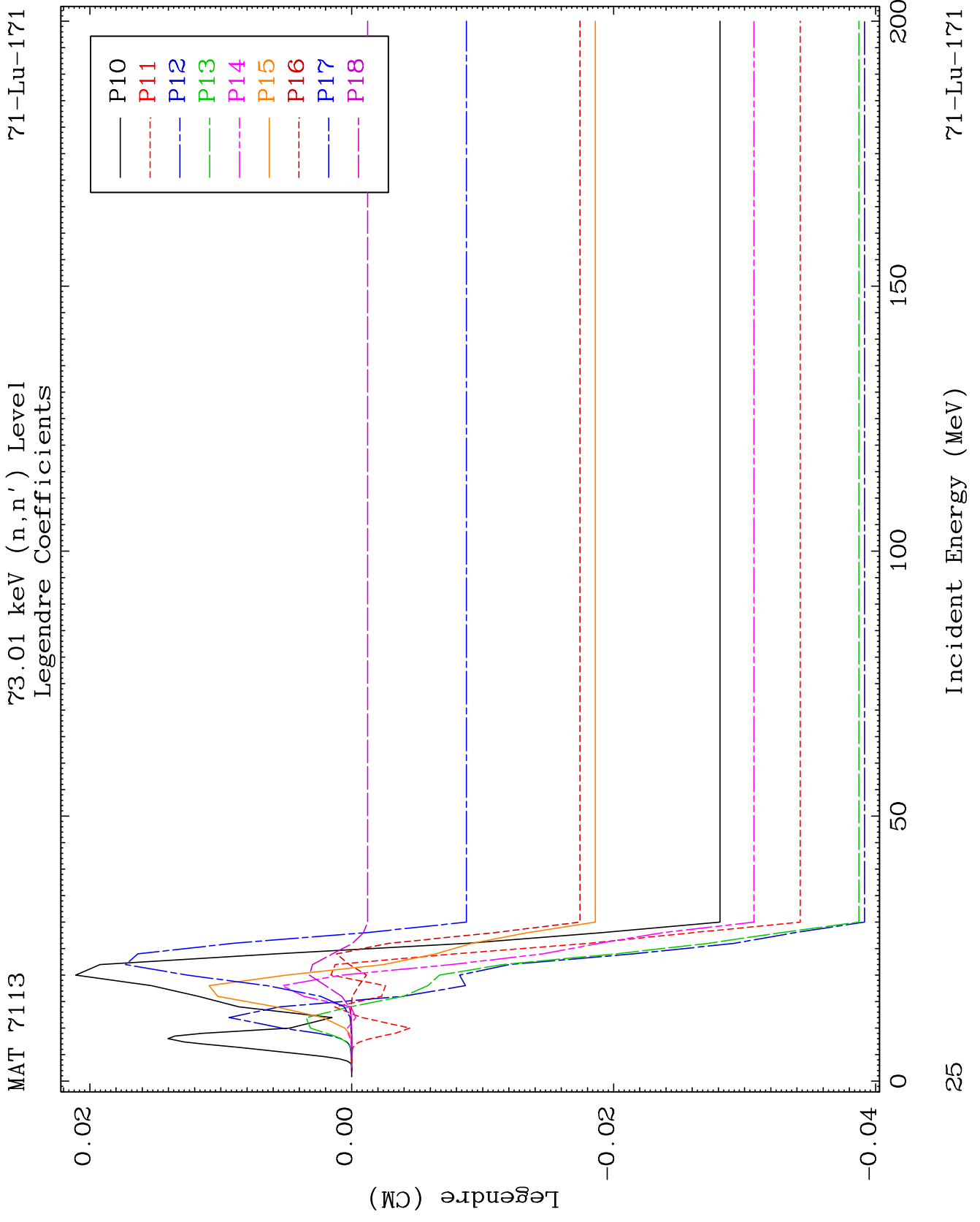
71-Lu-171

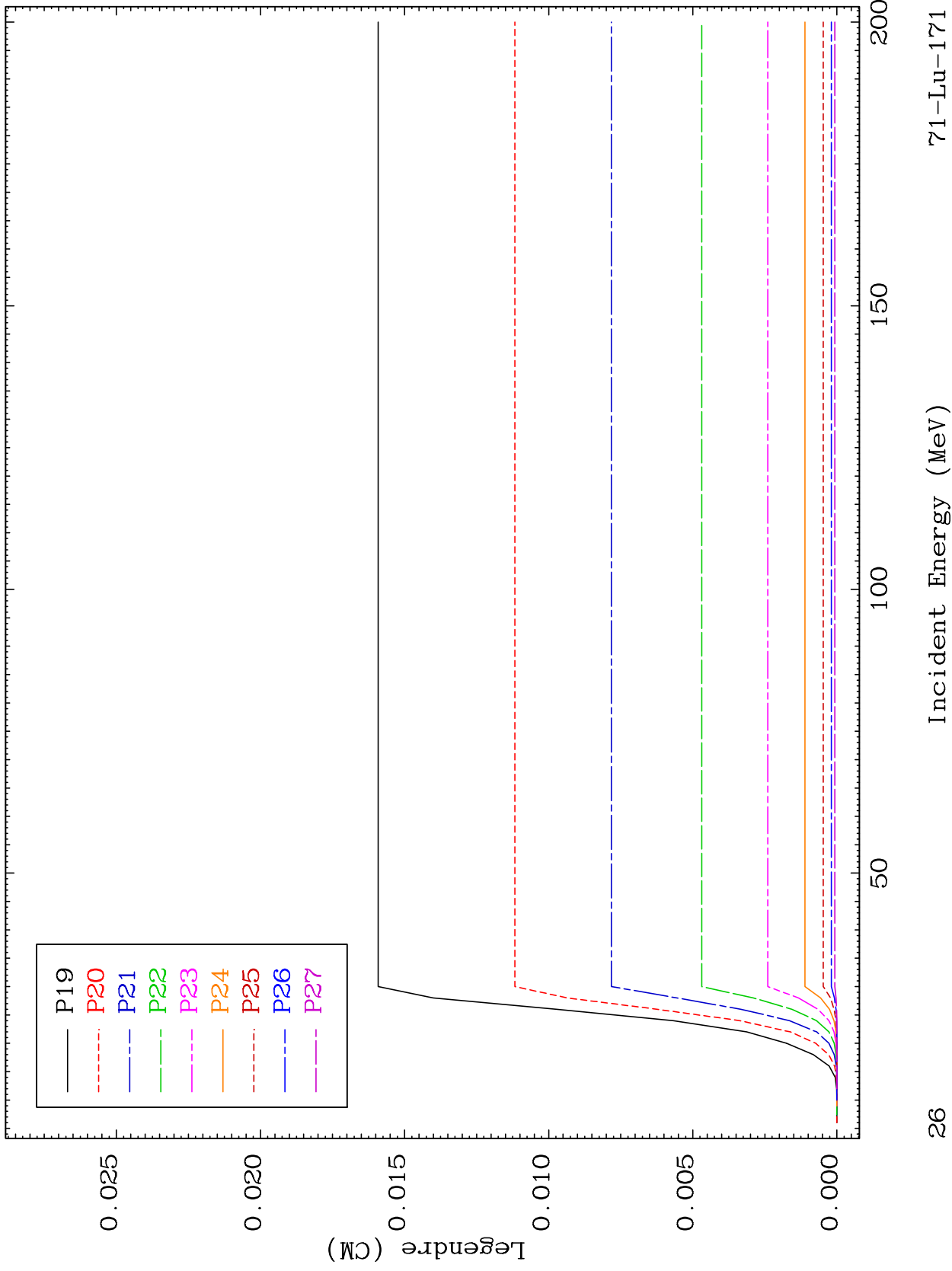








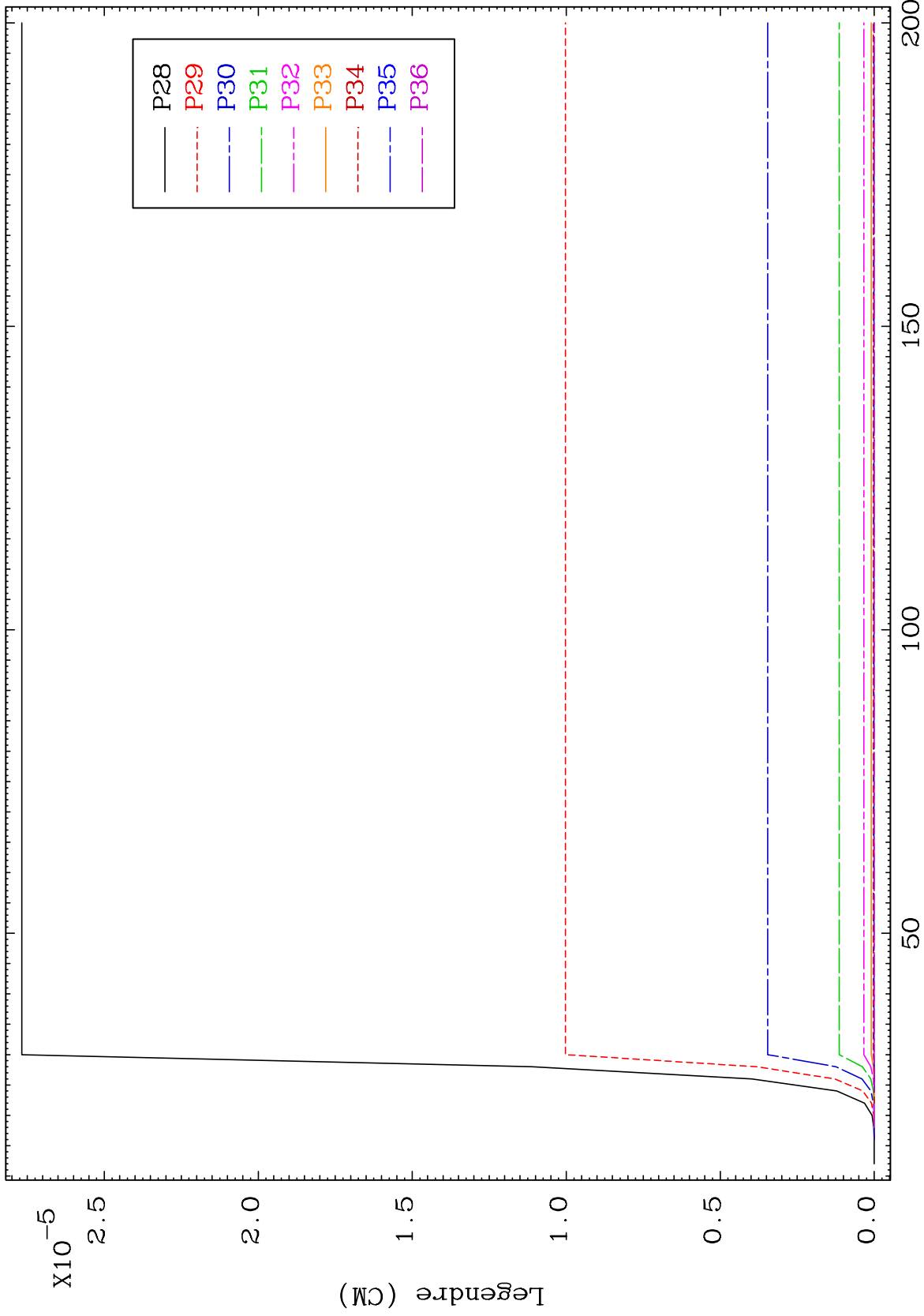




MAT 7113

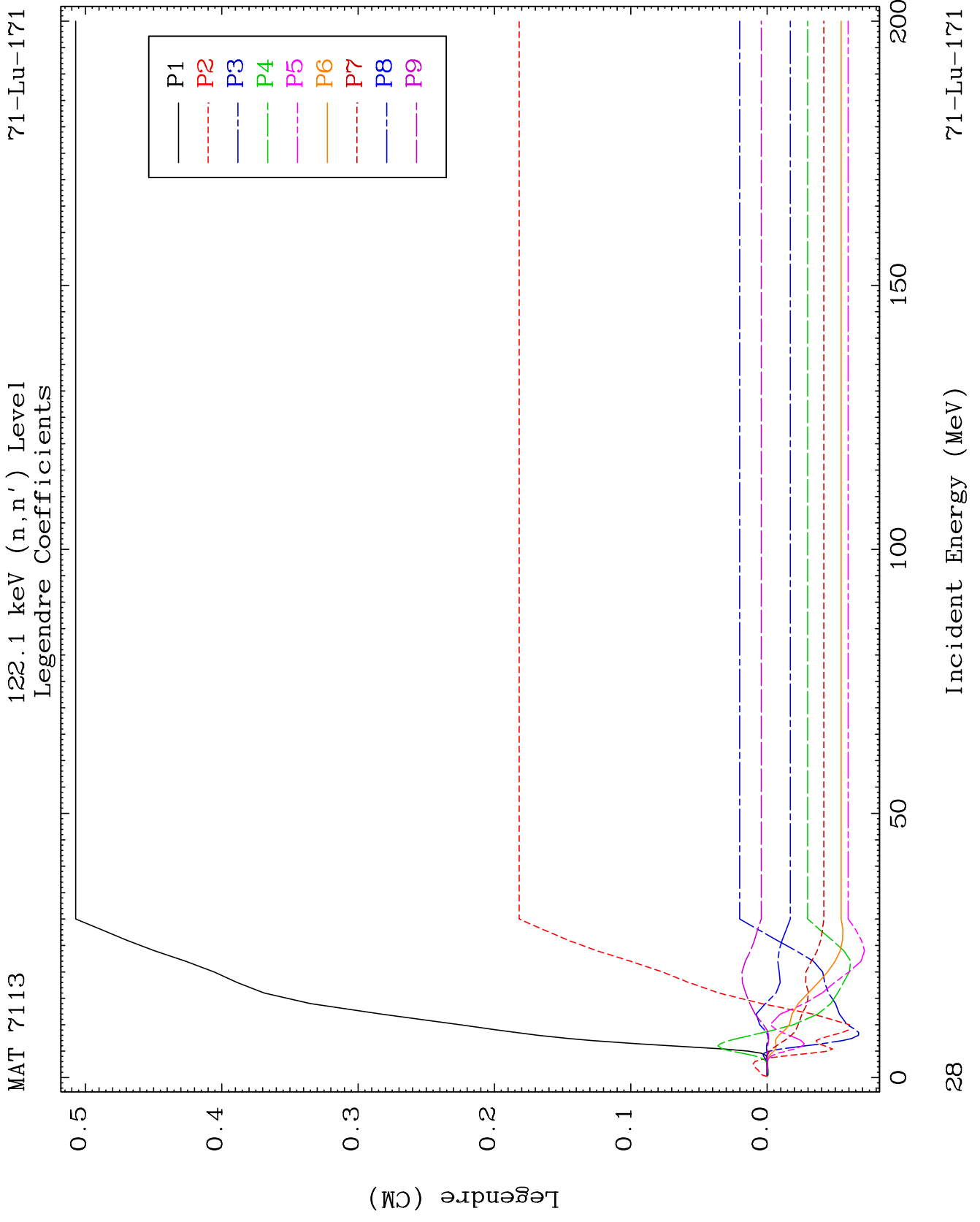
73.01 keV (n,n') Level  
Legendre Coefficients

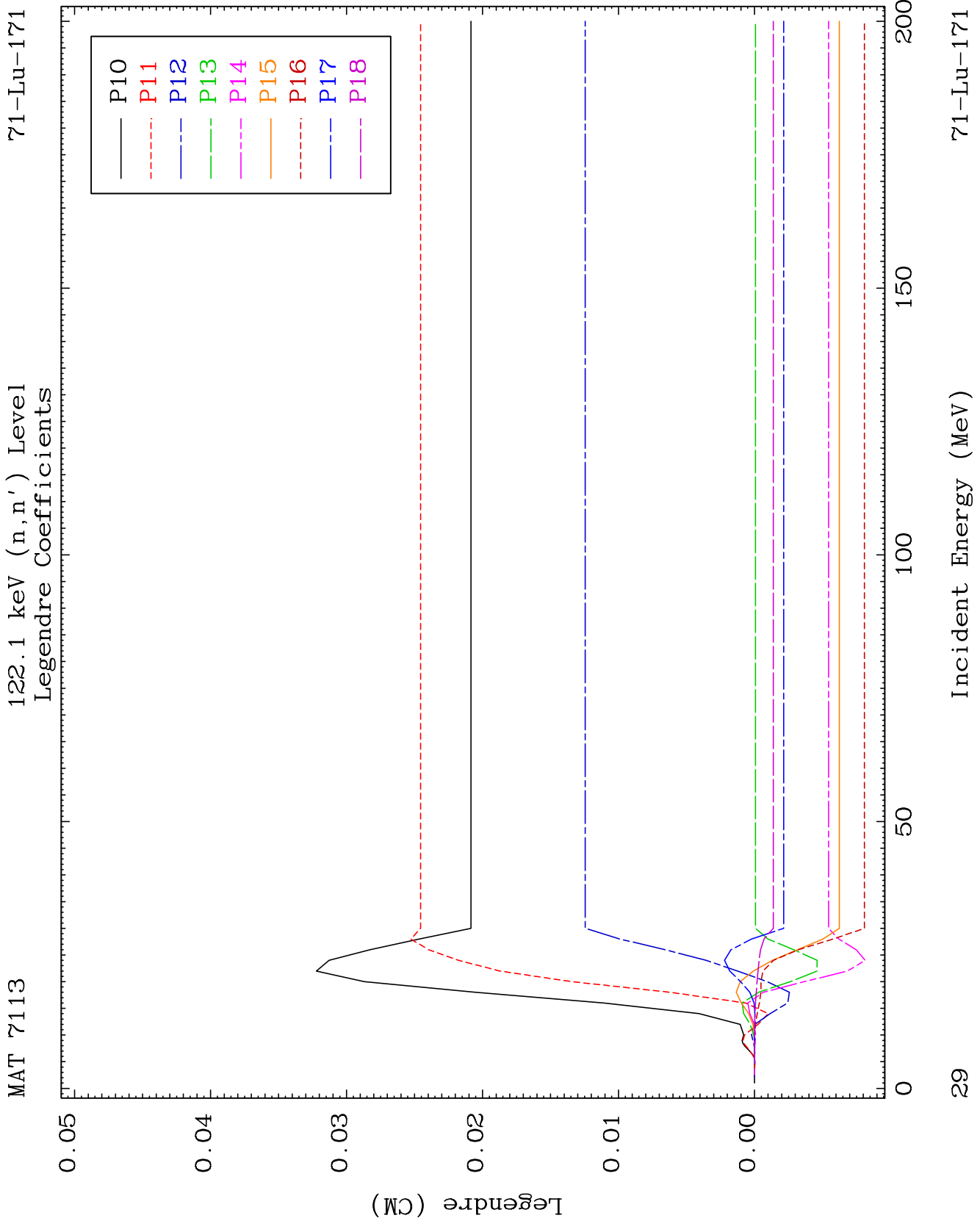
71-Lu-171



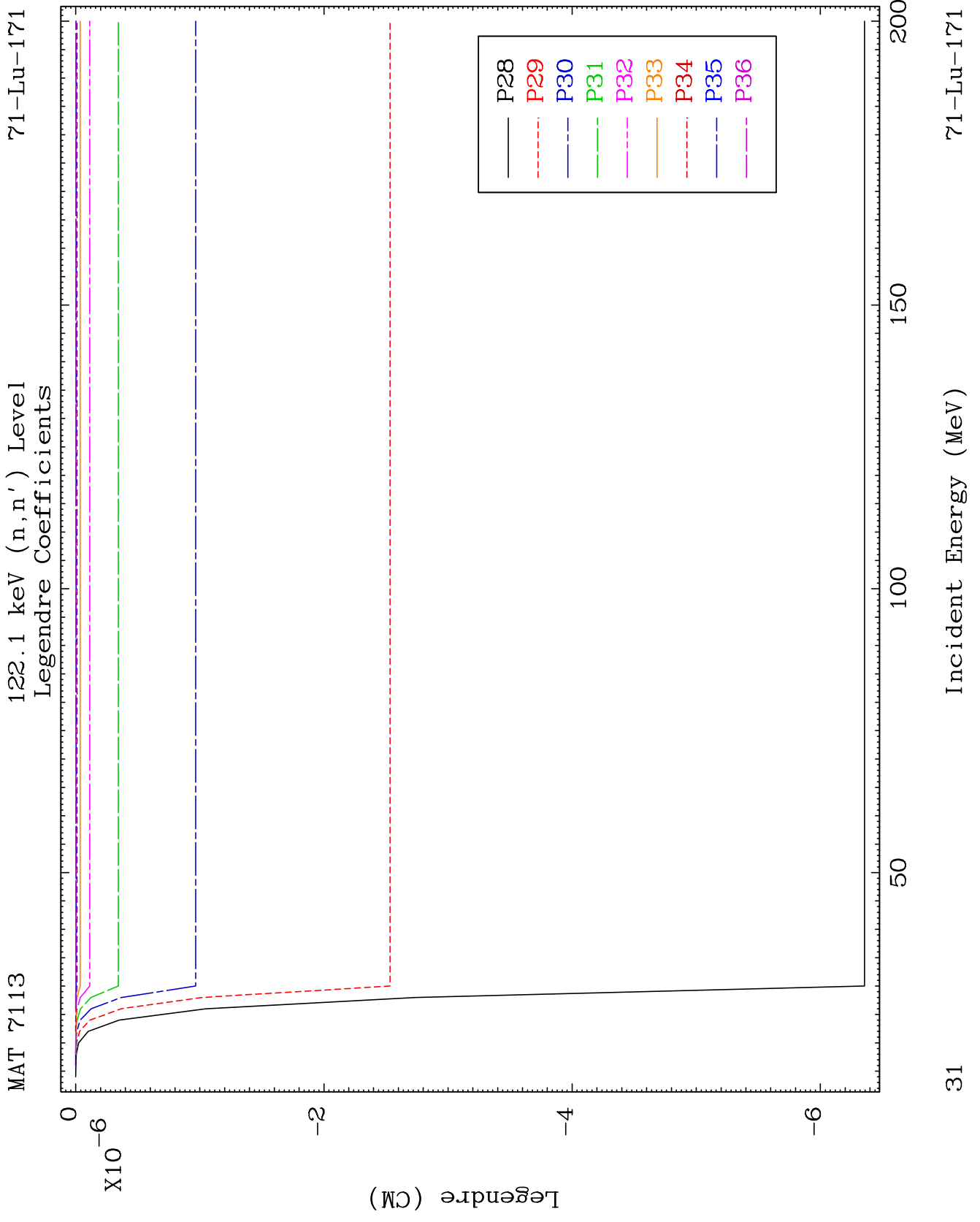
27

71-Lu-171

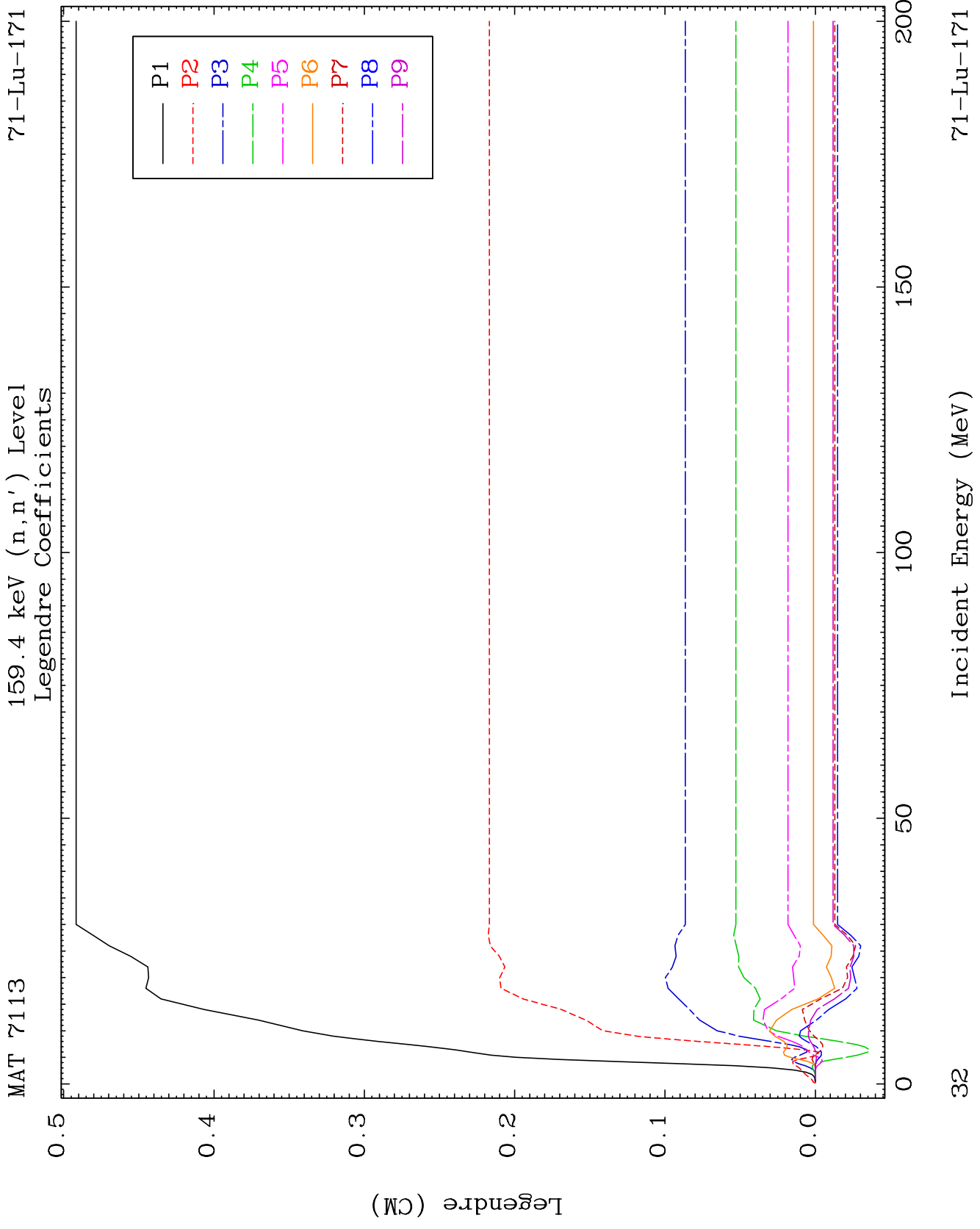


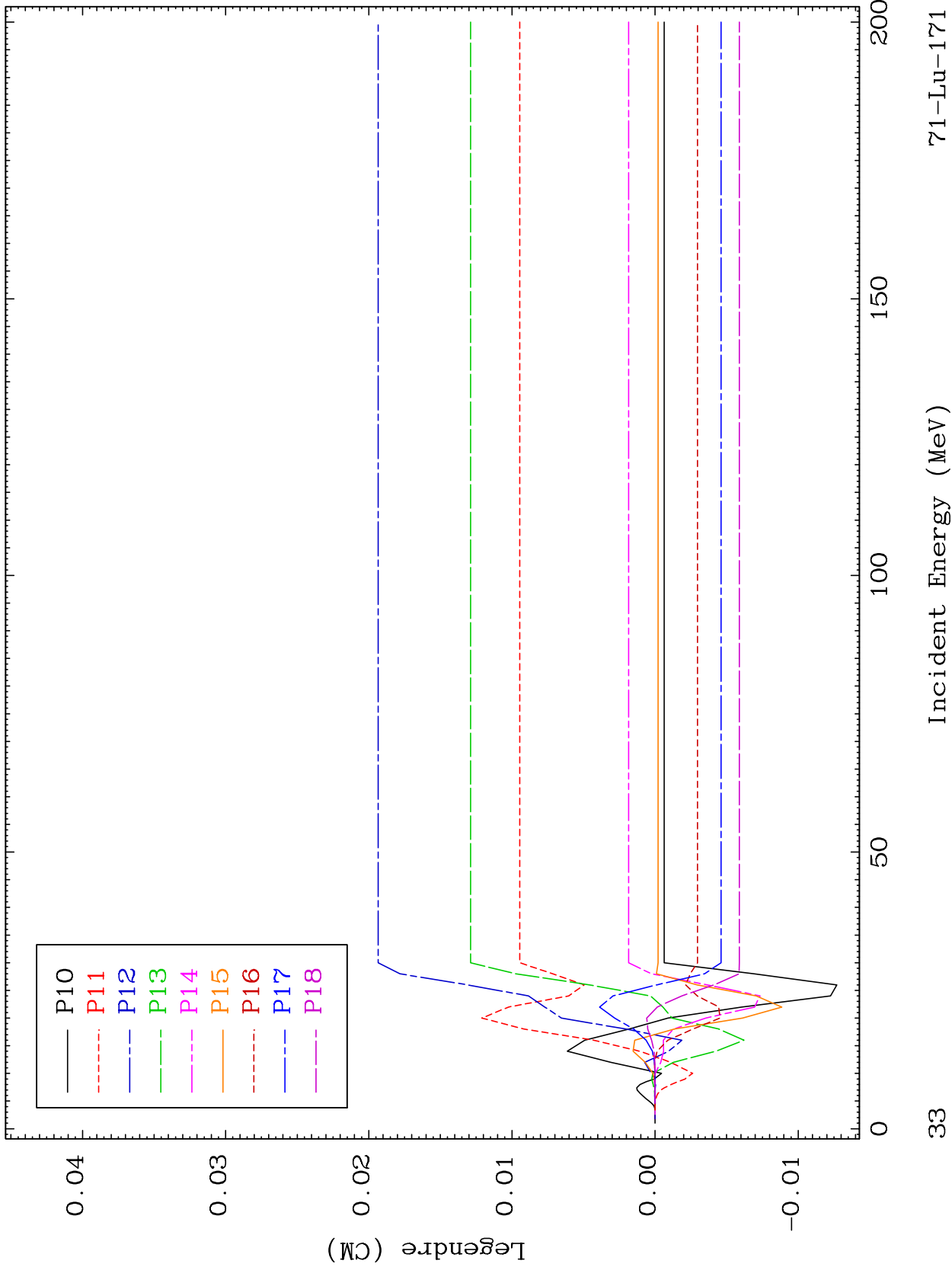


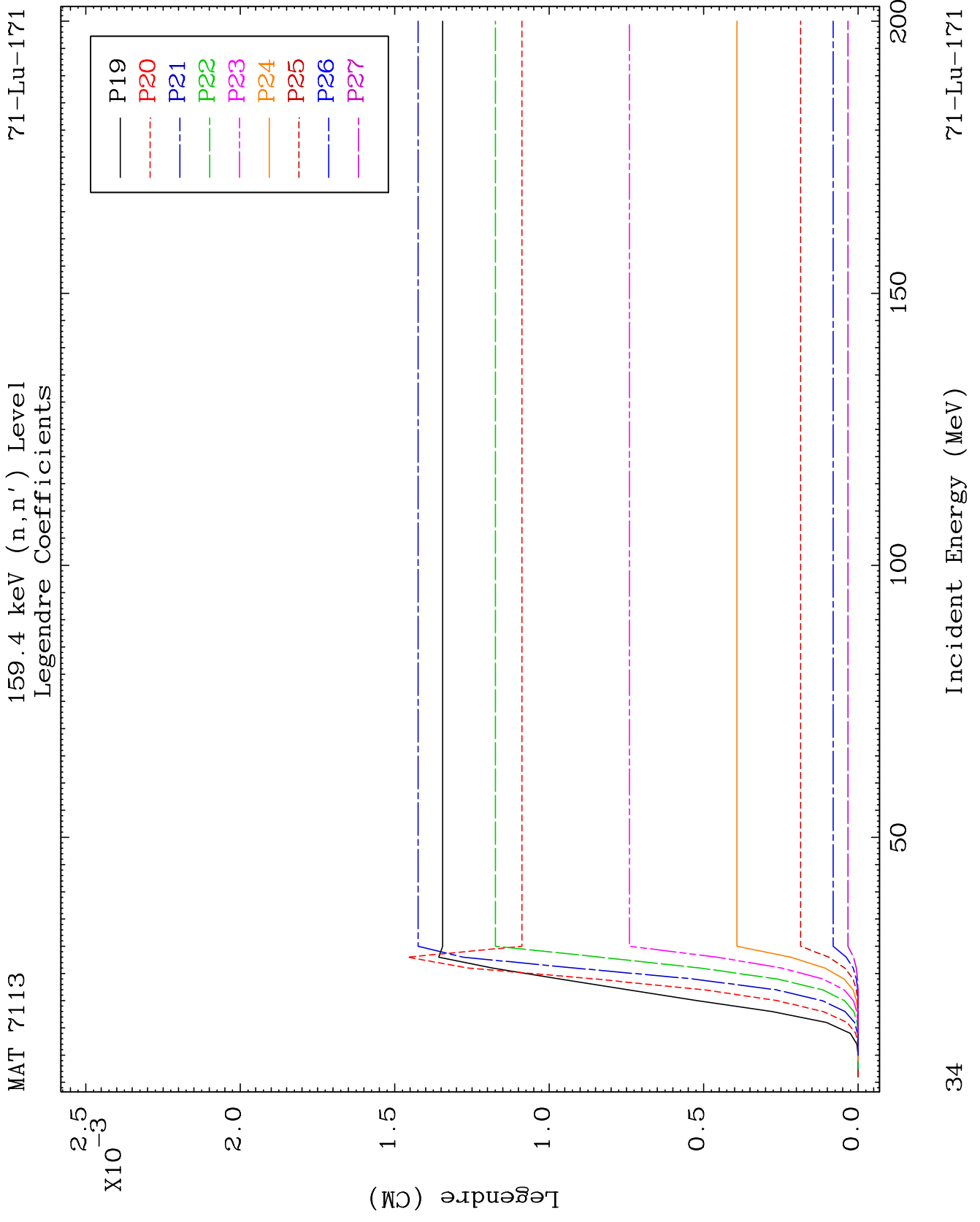


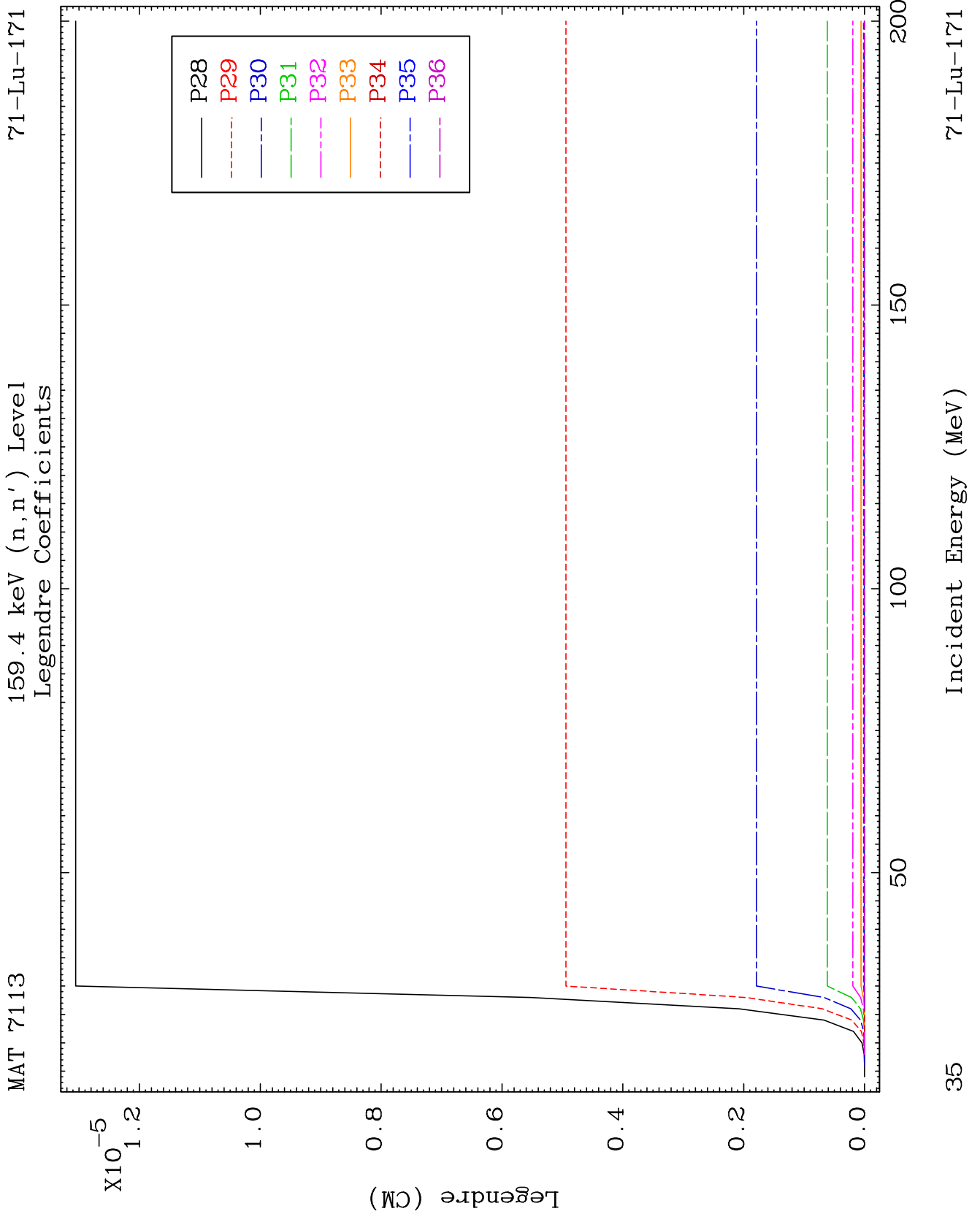


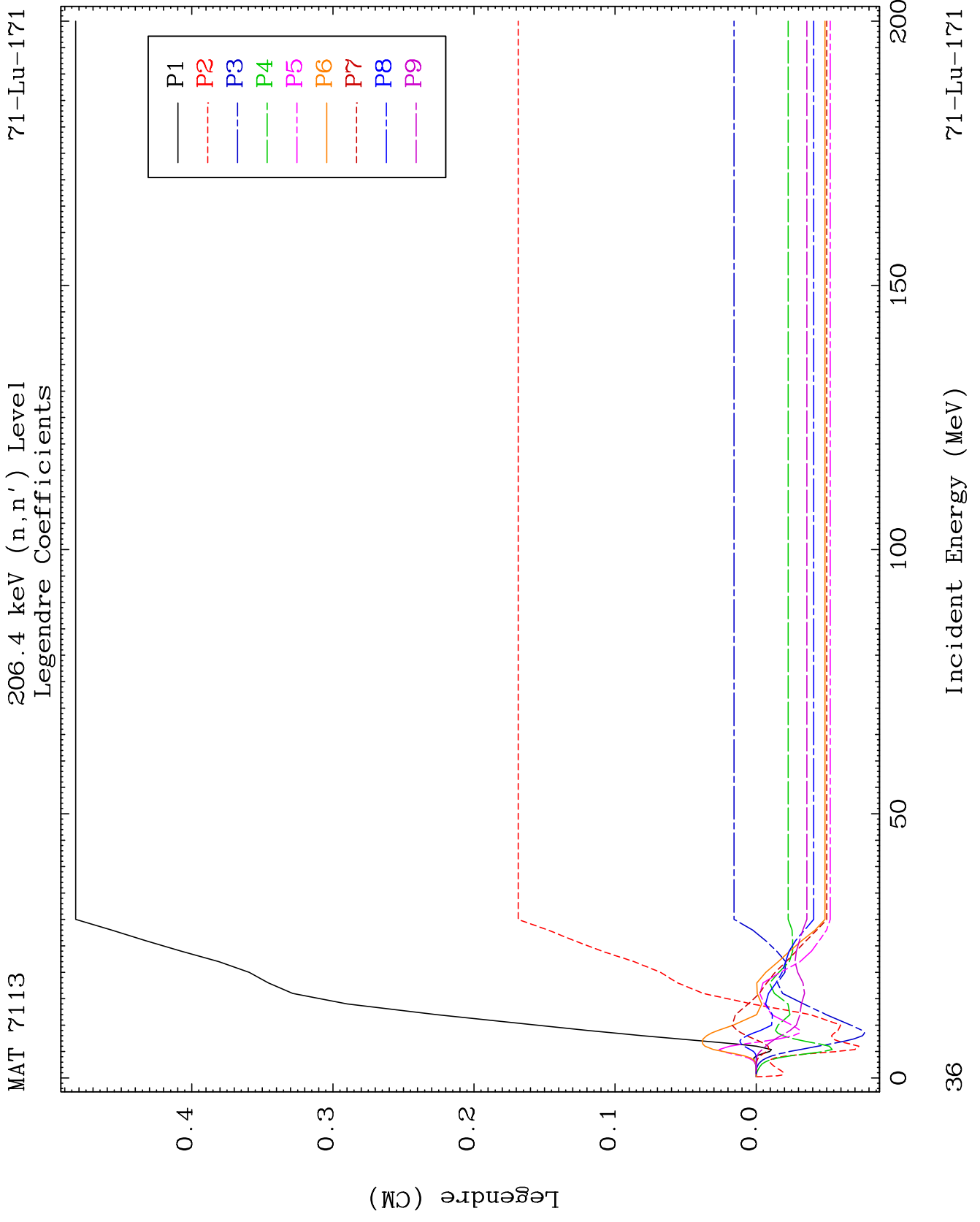


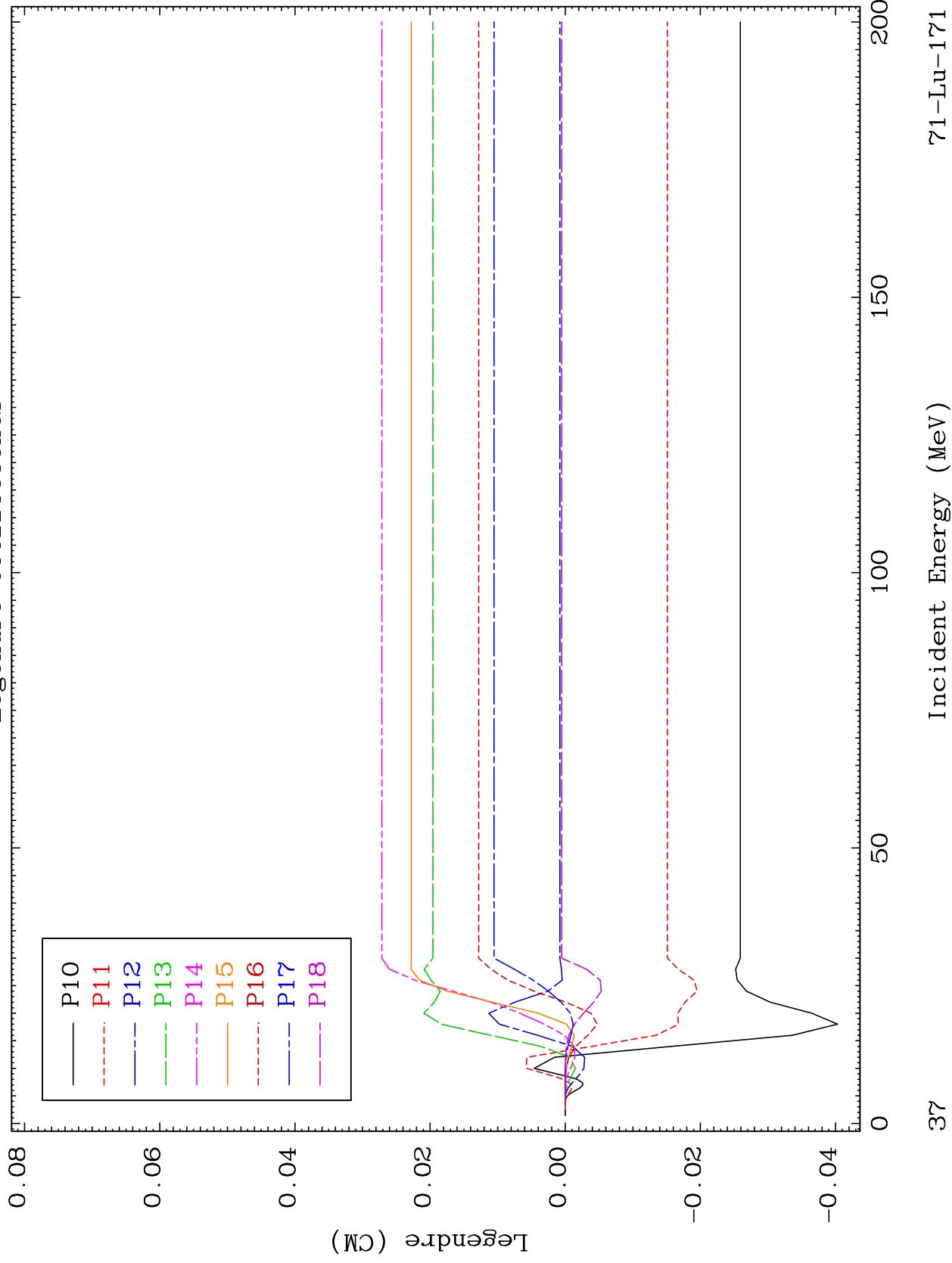








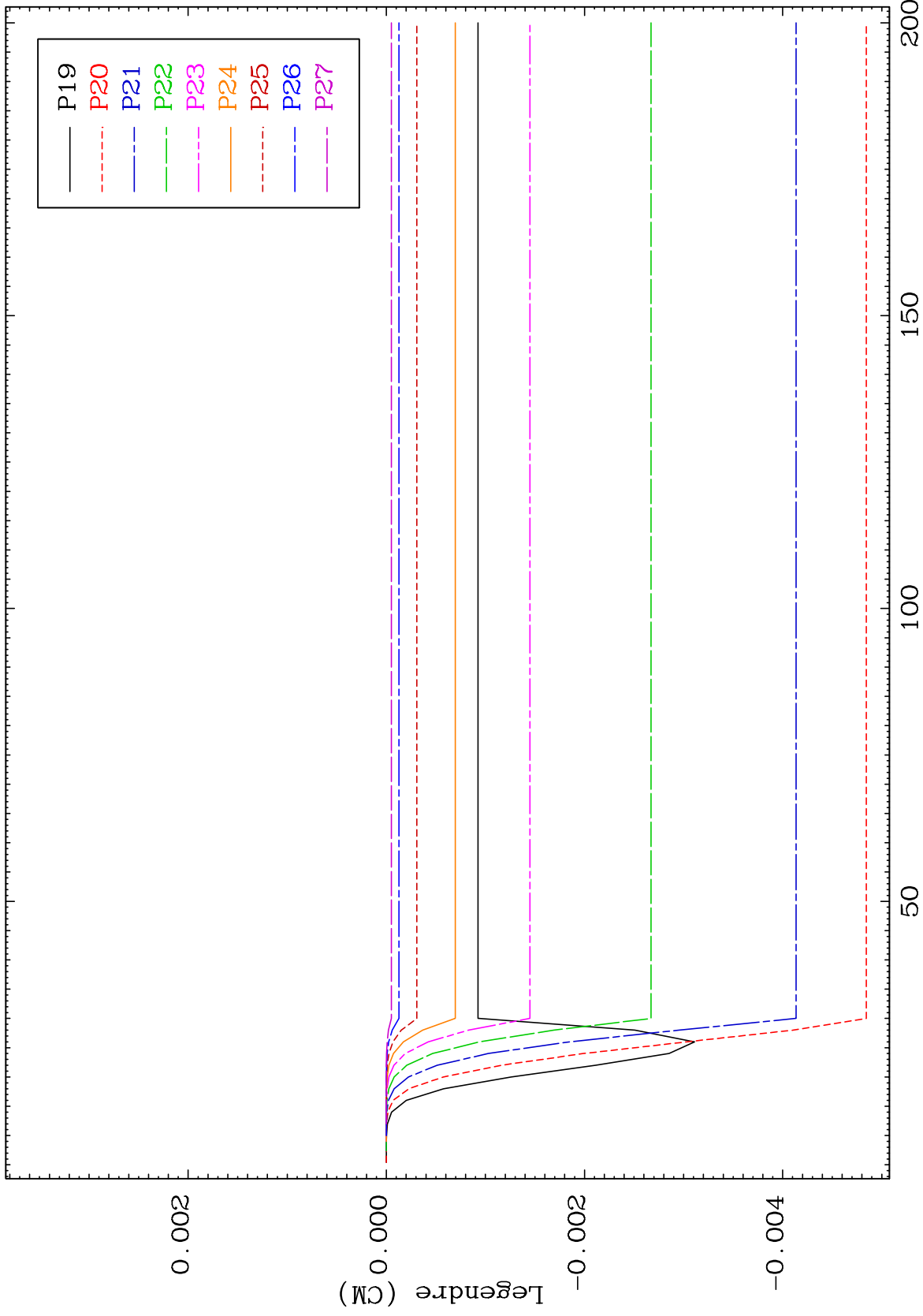




MAT 7113

206.4 keV (n,n') Level  
Legendre Coefficients

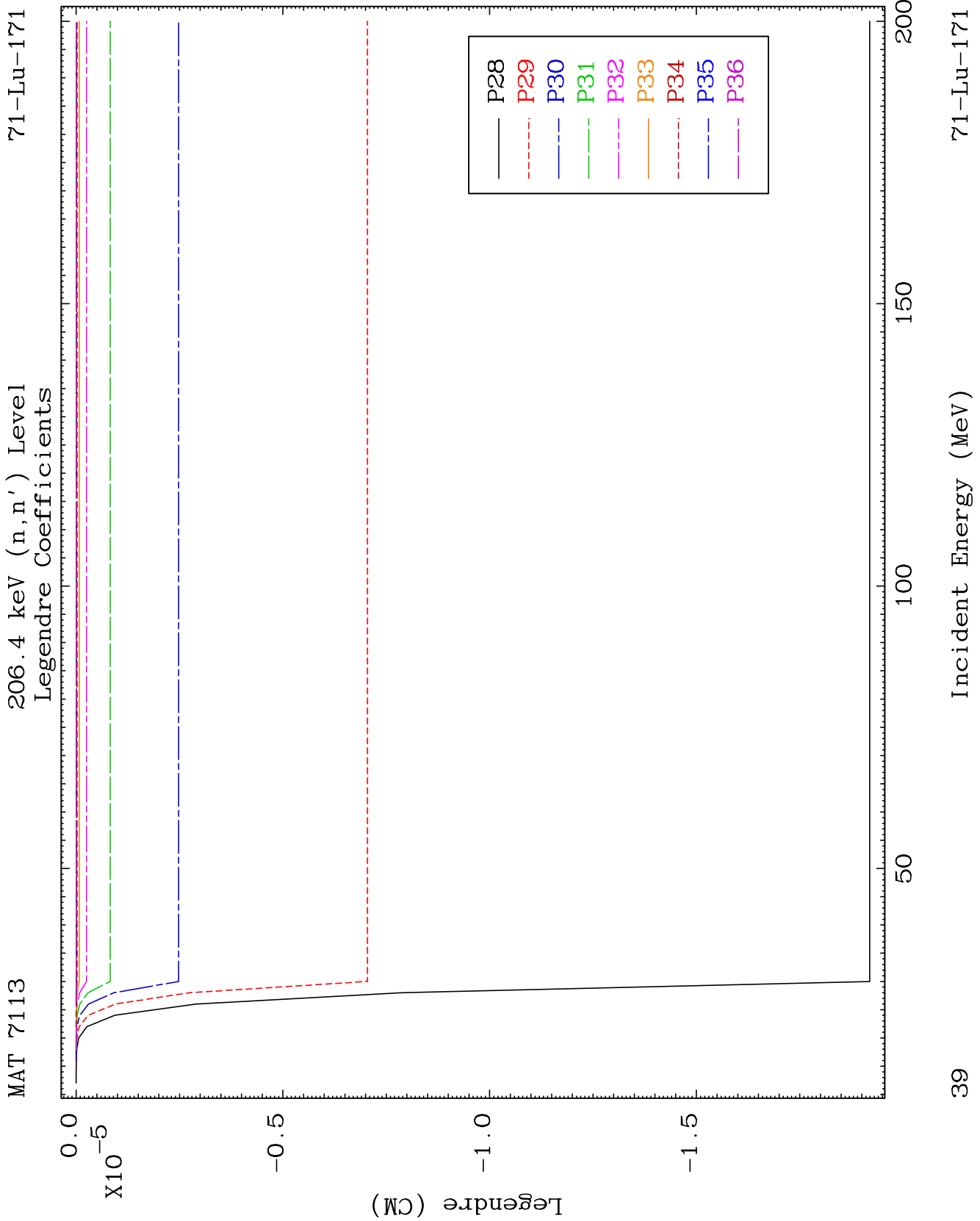
71-Lu-171



38

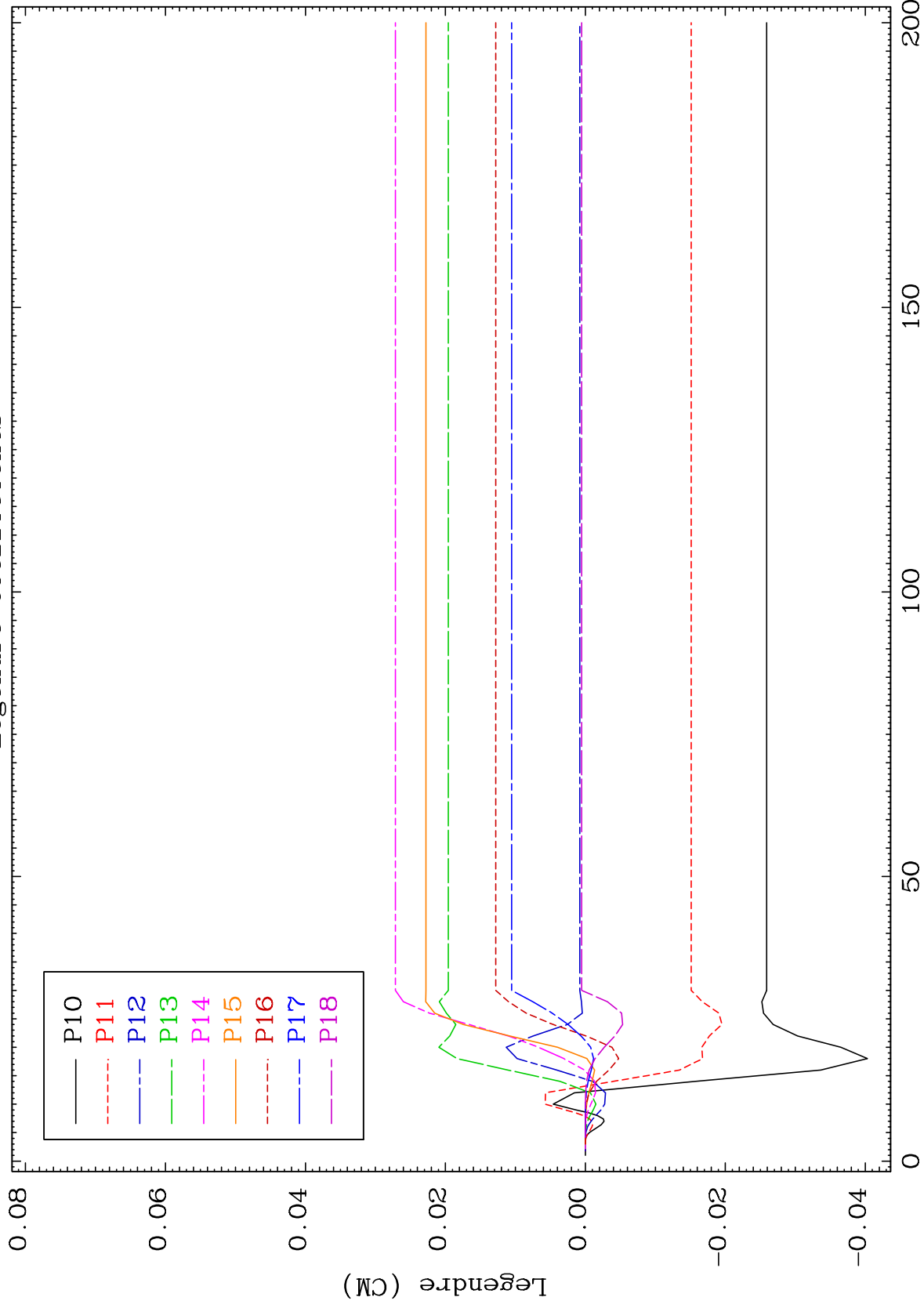
Incident Energy (MeV)

71-Lu-171





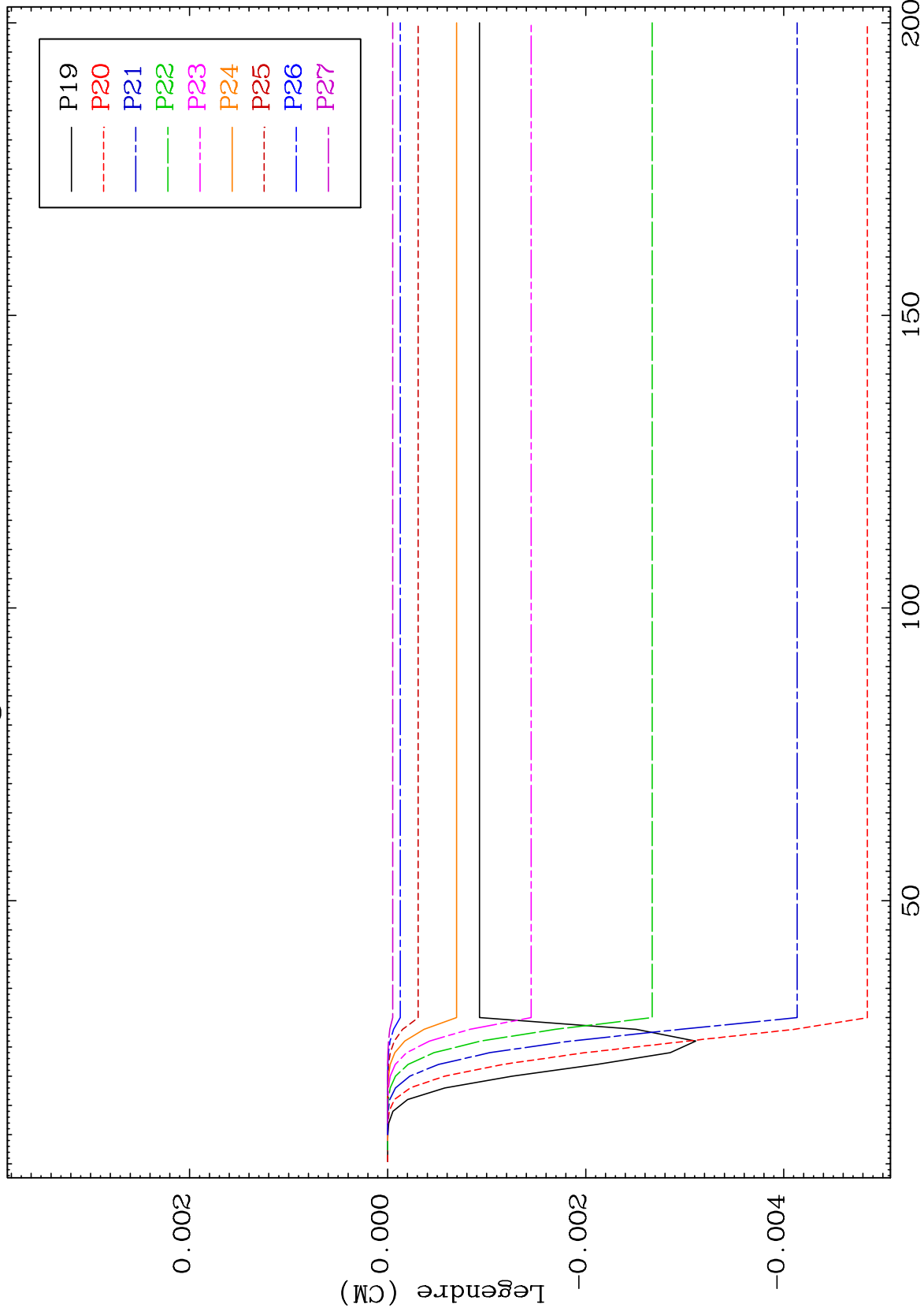




MAT 7113

208.1 keV (n,n') Level  
Legendre Coefficients

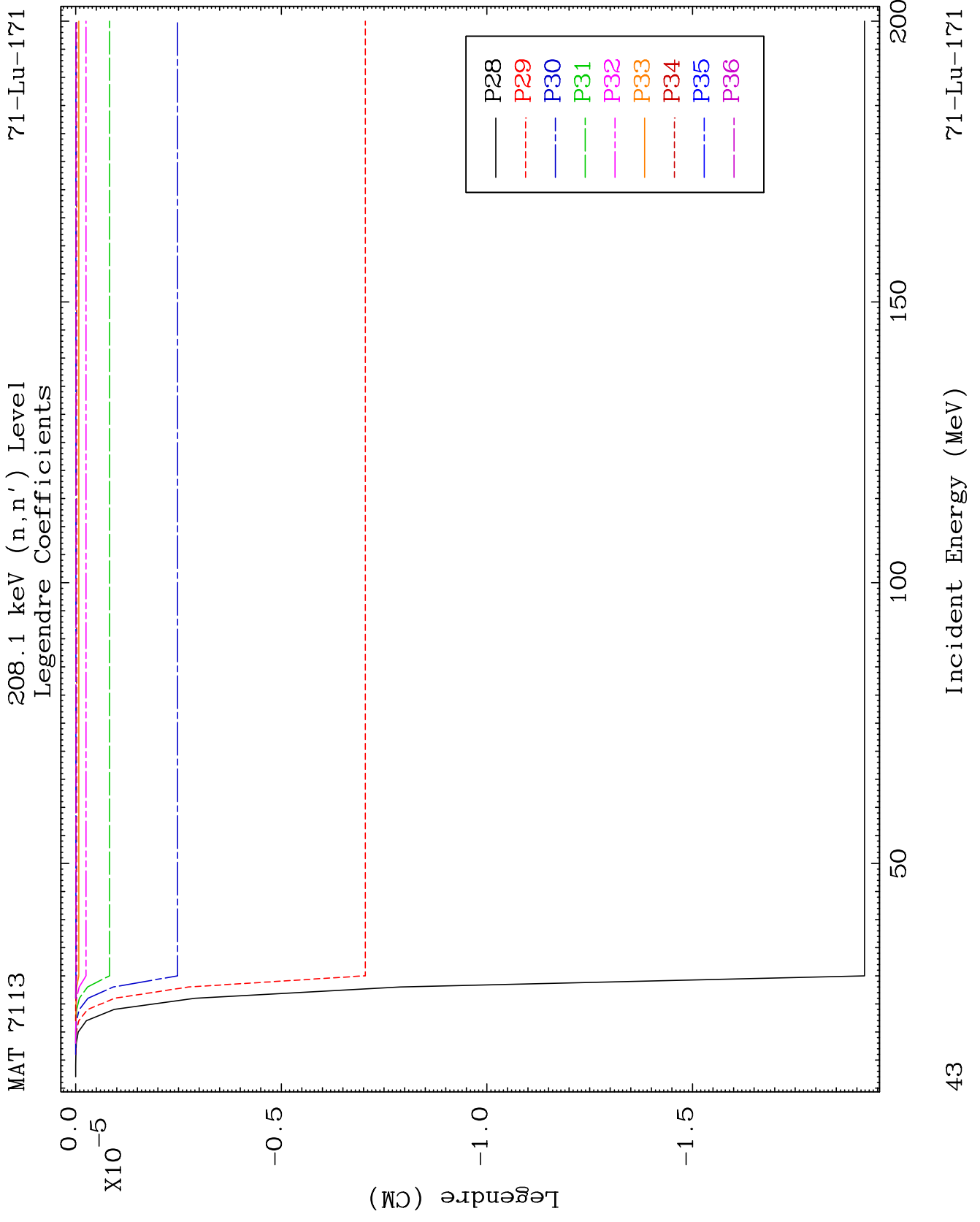
71-Lu-171

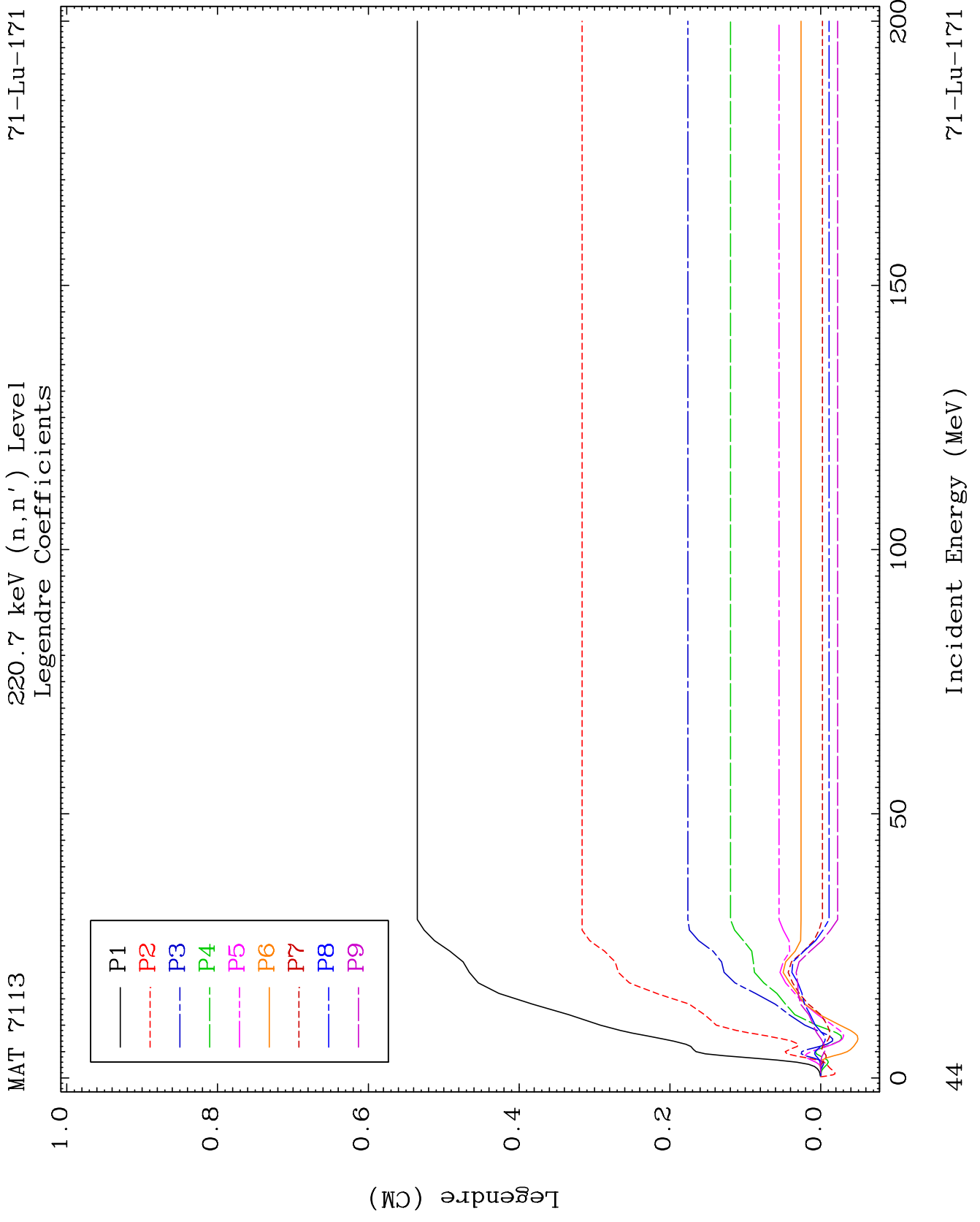


42

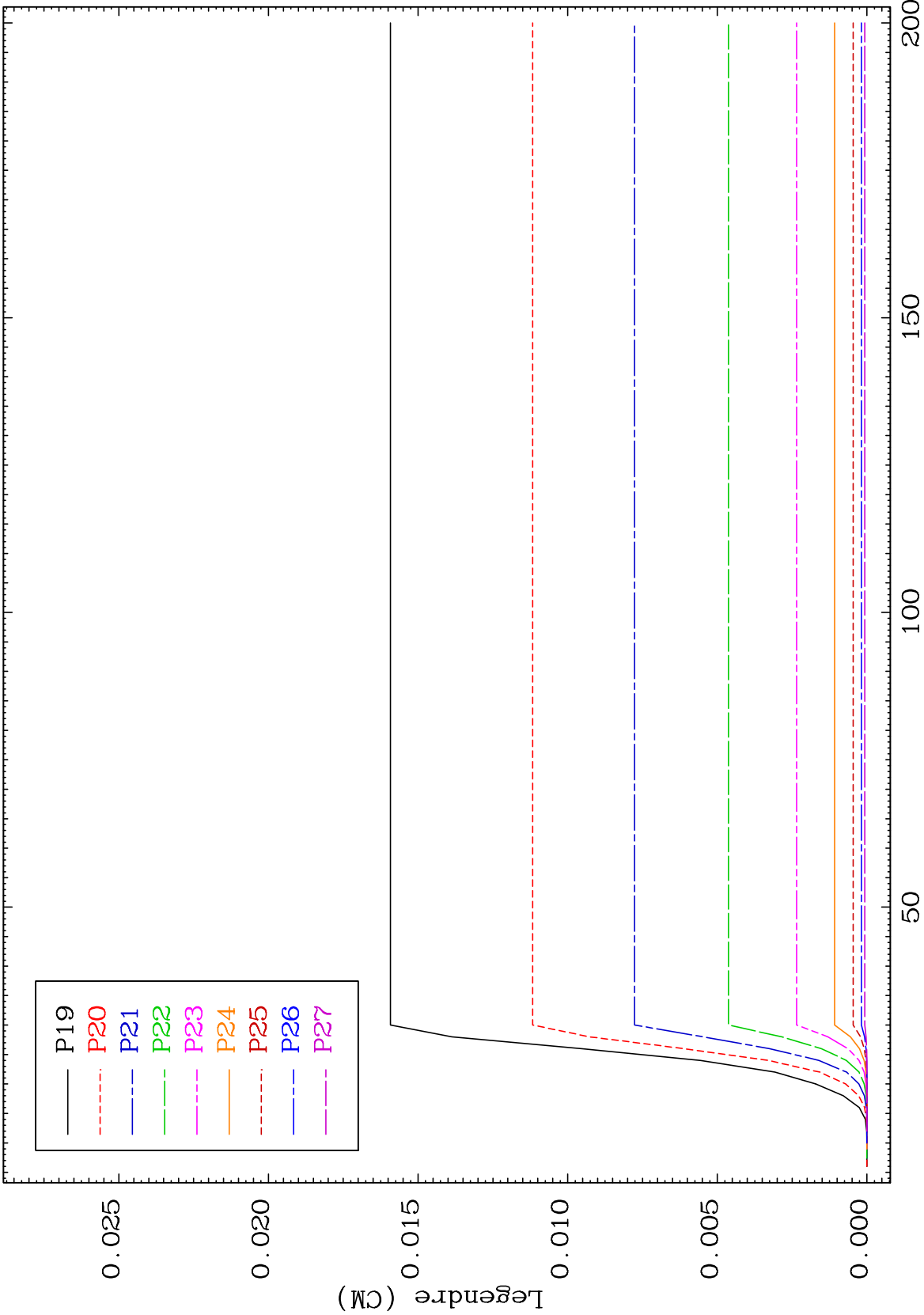
Incident Energy (MeV)

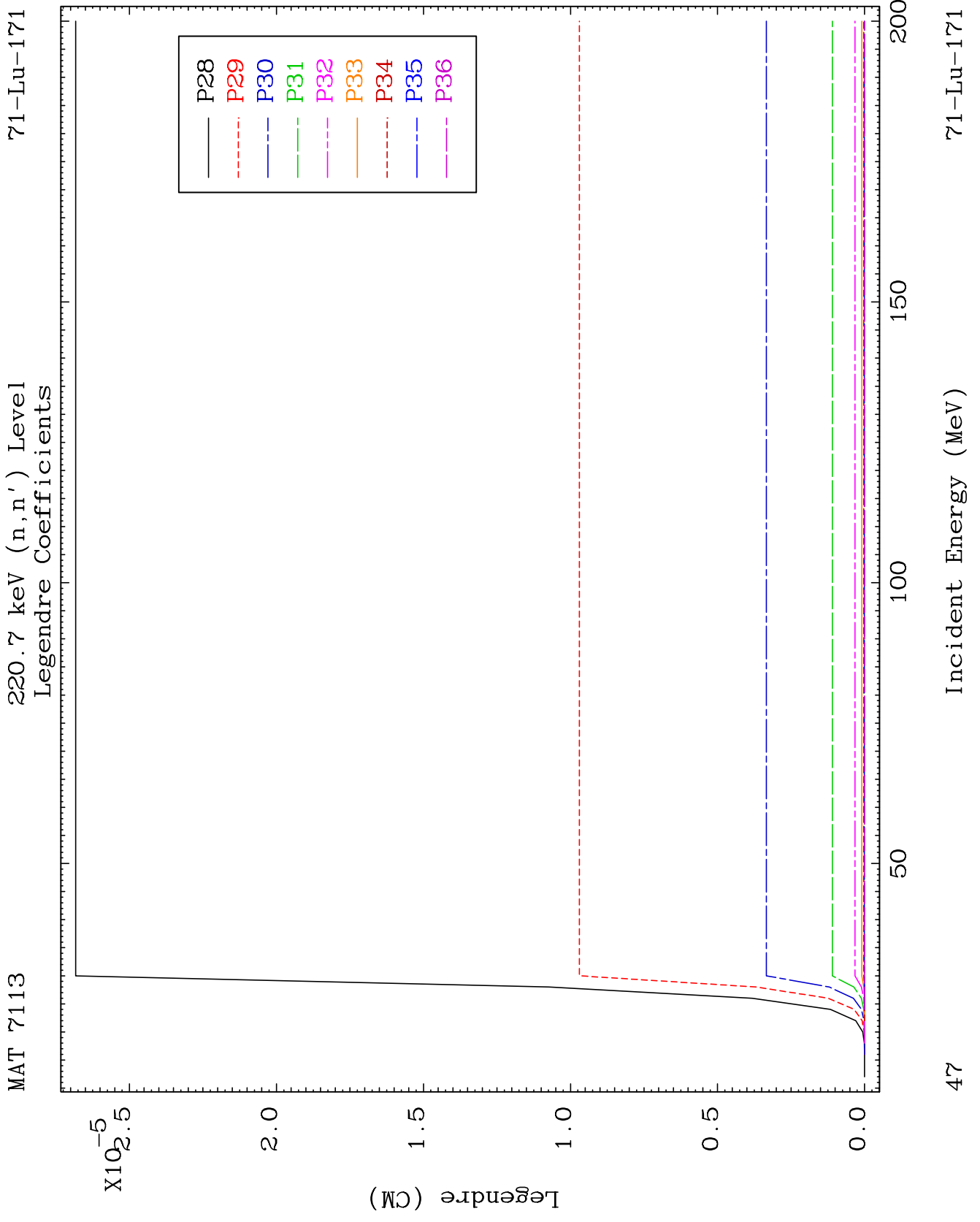
71-Lu-171



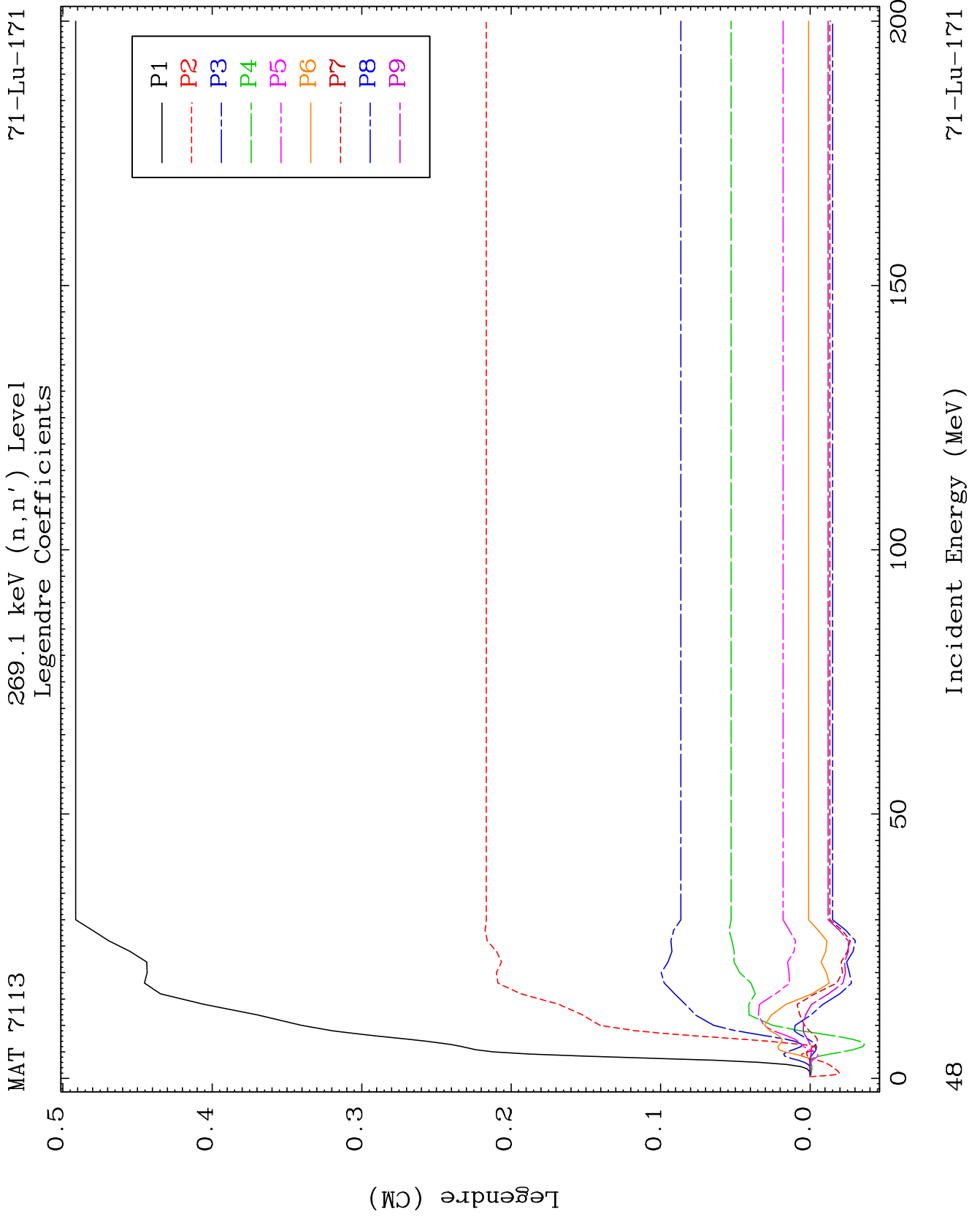


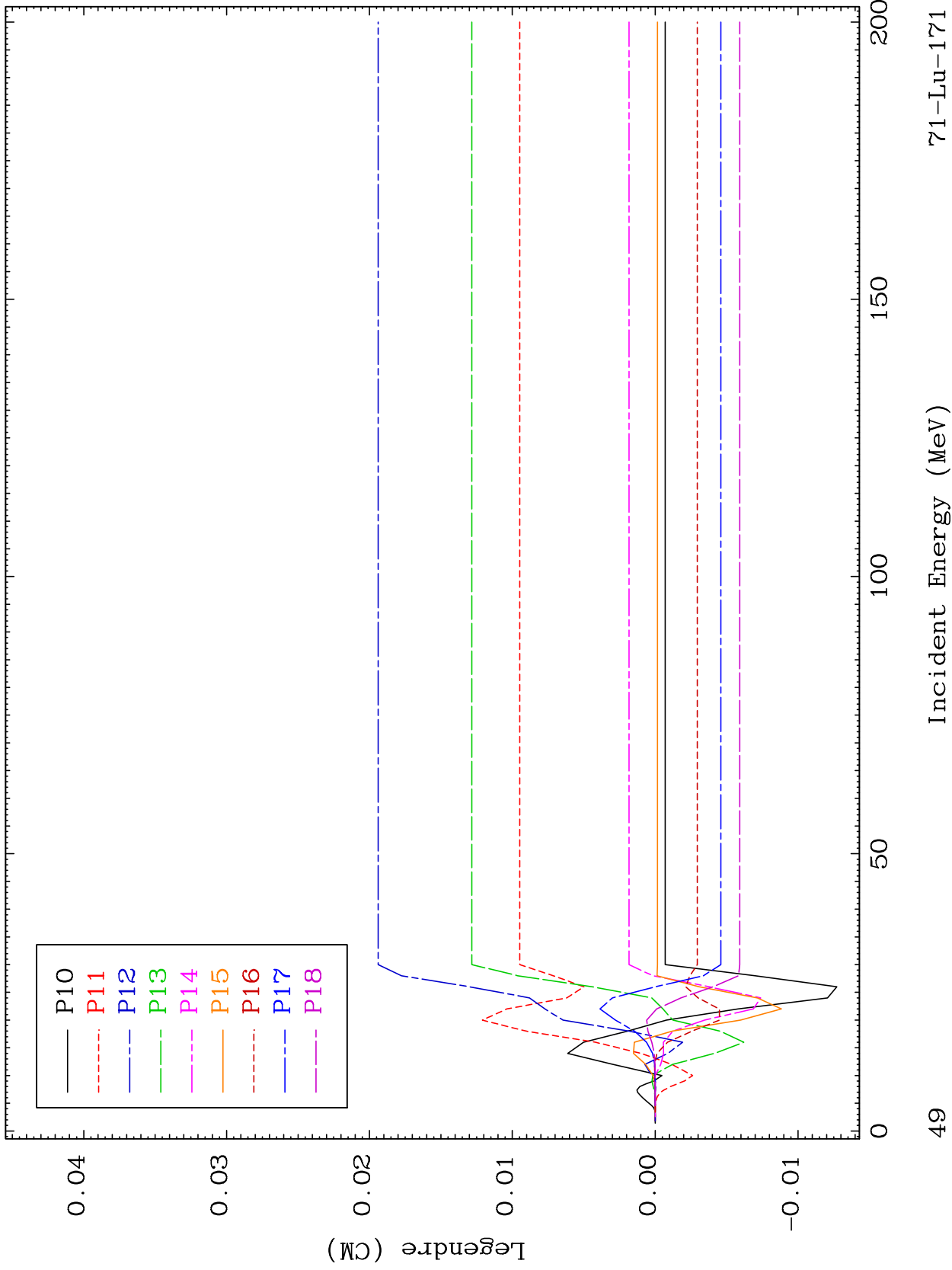


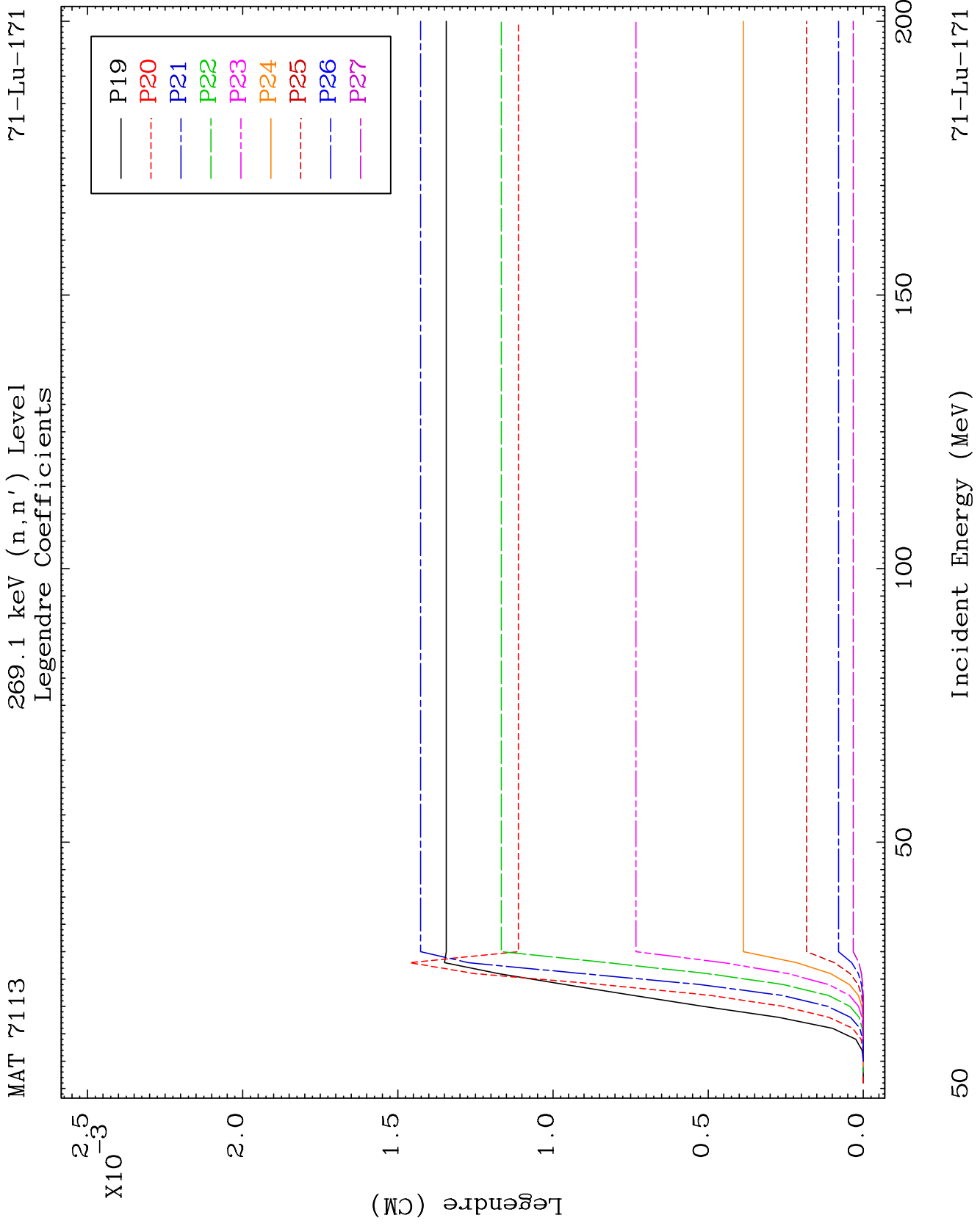








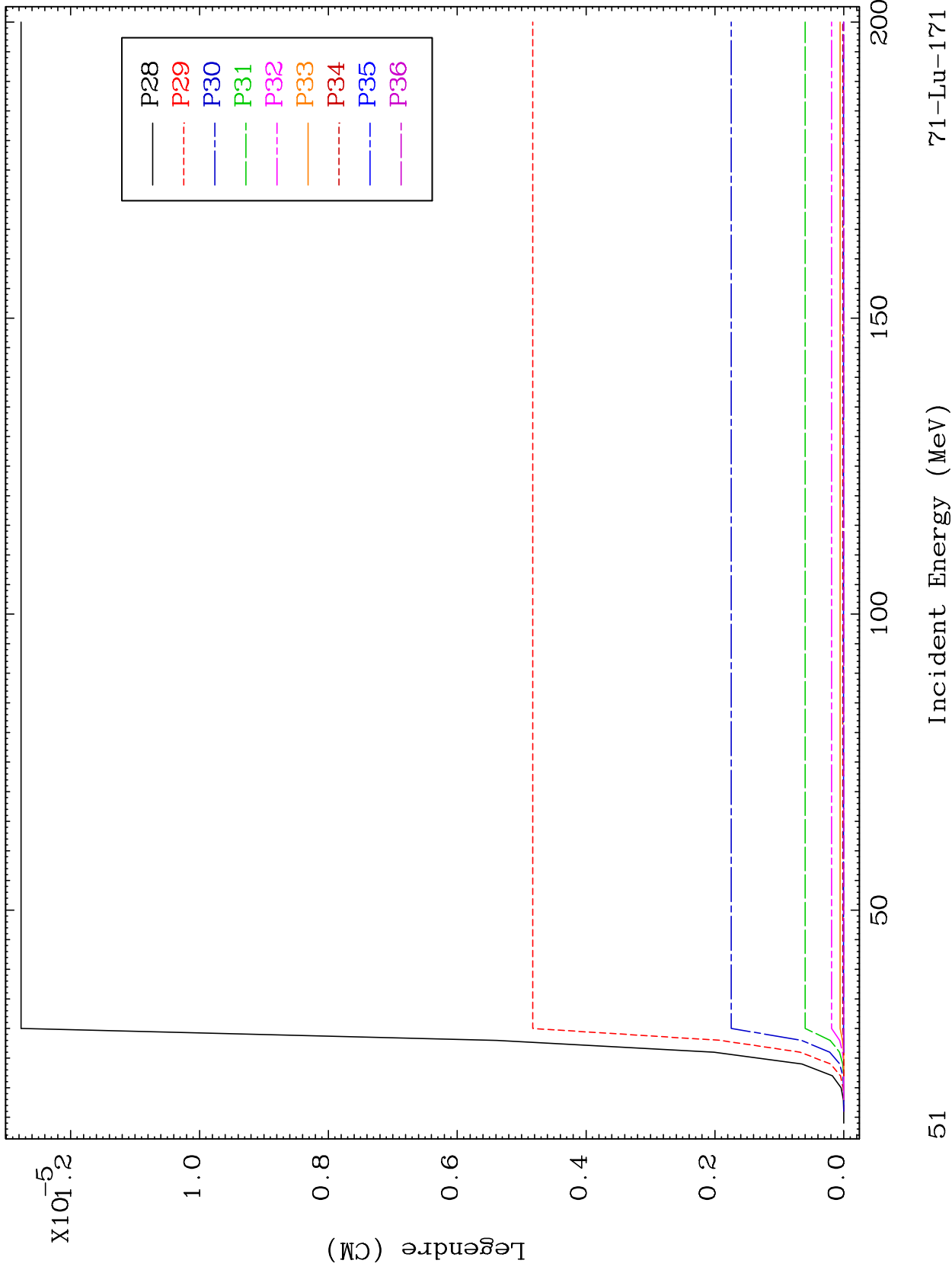




MAT 7113

269.1 keV (n, n') Level  
Legendre Coefficients

71-Lu-171



51

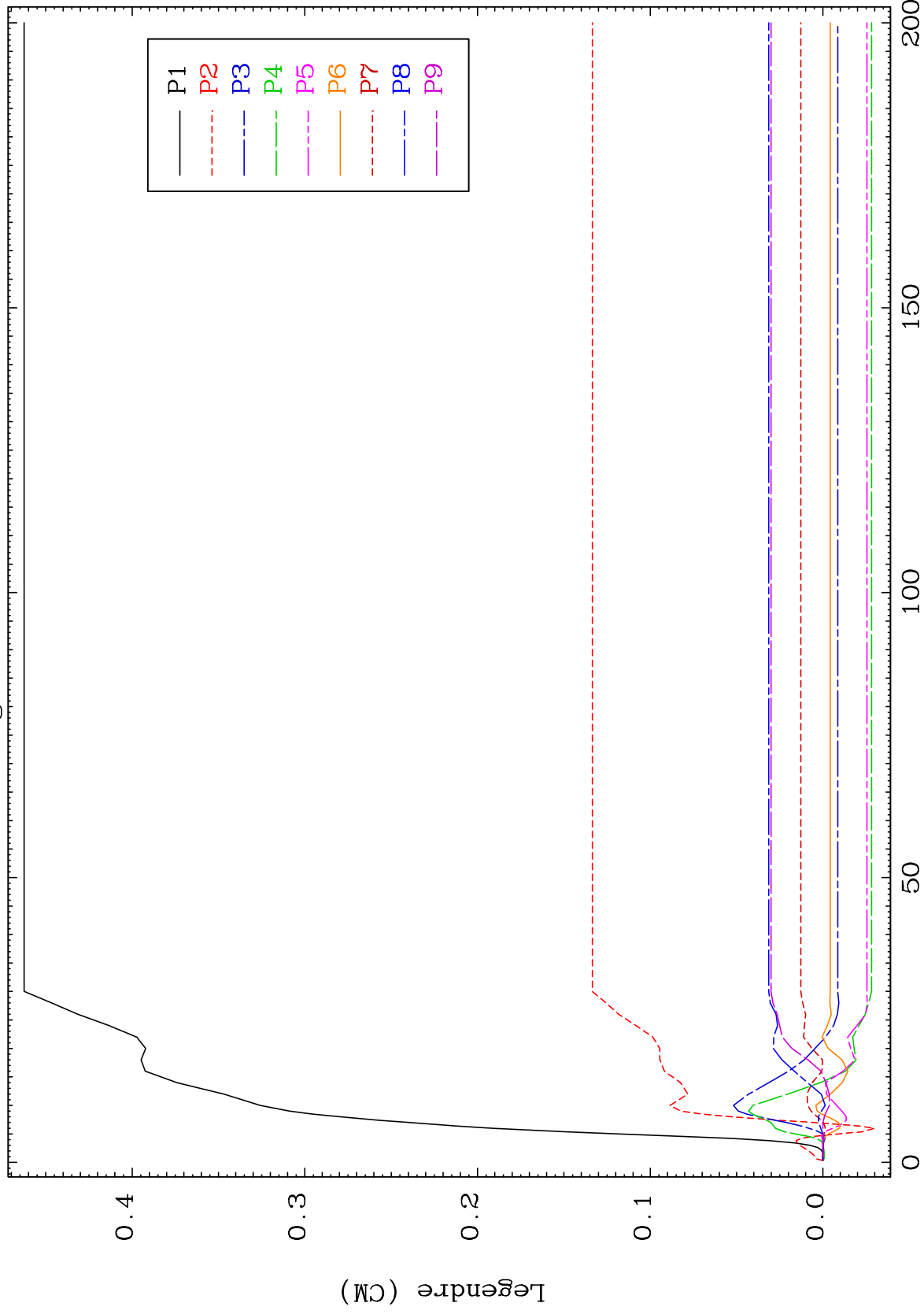
Incident Energy (MeV)

71-Lu-171

MAT 7113

295.6 keV (n,n') Level  
Legendre Coefficients

71-Lu-171



52

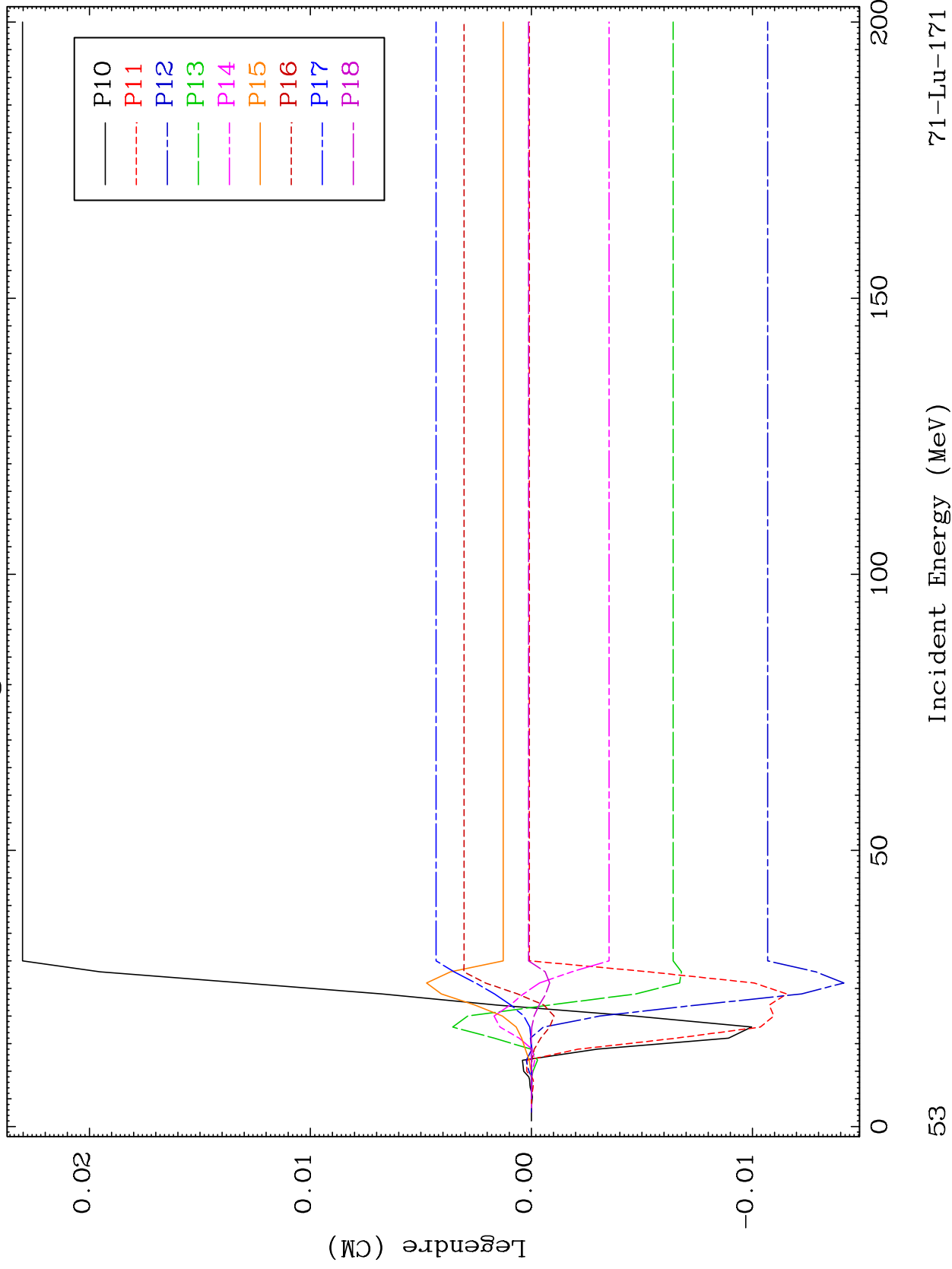
Incident Energy (MeV)

71-Lu-171

MAT 7113

295.6 keV (n,n') Level  
Legendre Coefficients

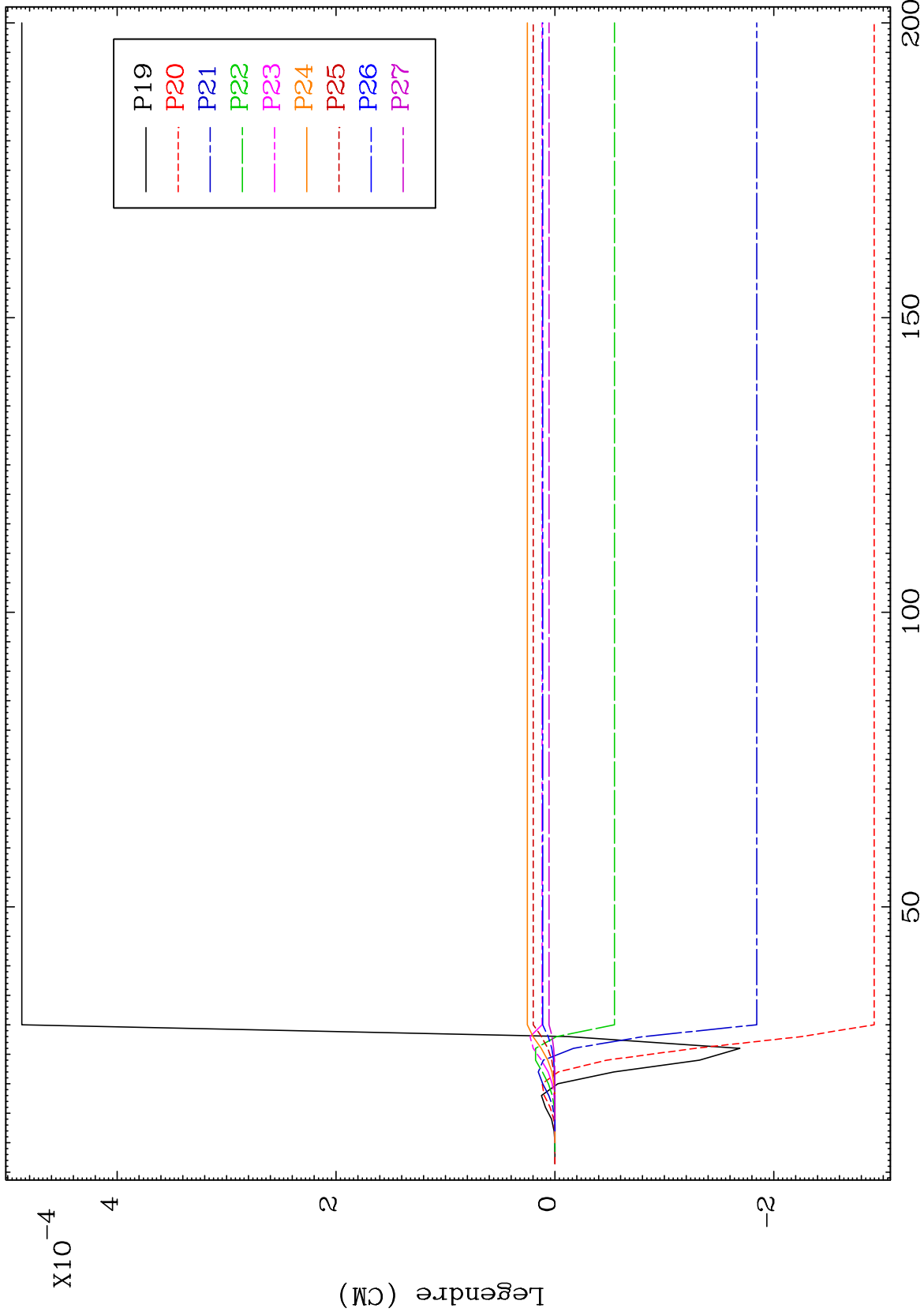
71-Lu-171



53

Incident Energy (MeV)

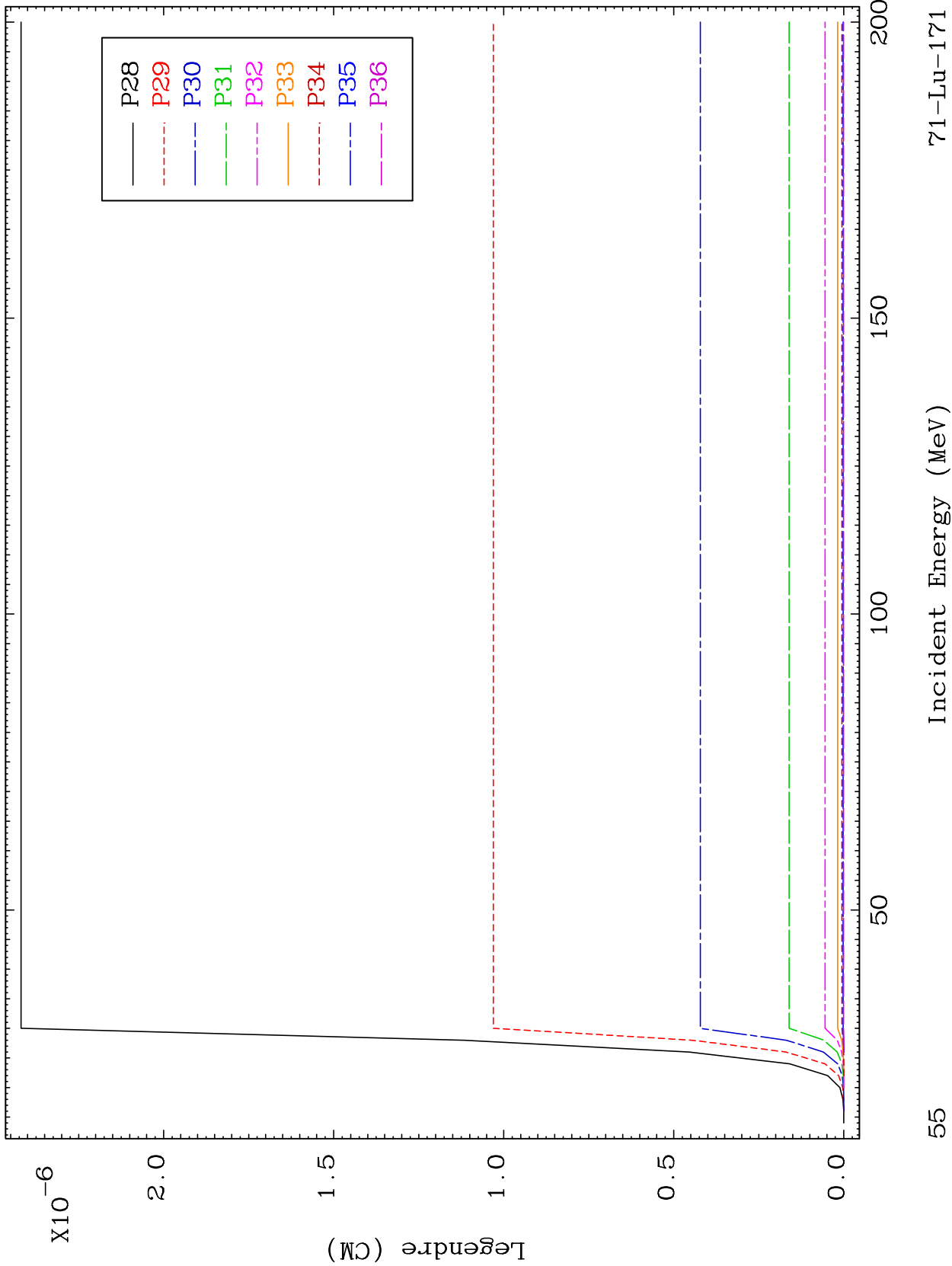
71-Lu-171



MAT 7113

295.6 keV (n,n') Level  
Legendre Coefficients

71-Lu-171



55

Incident Energy (MeV)

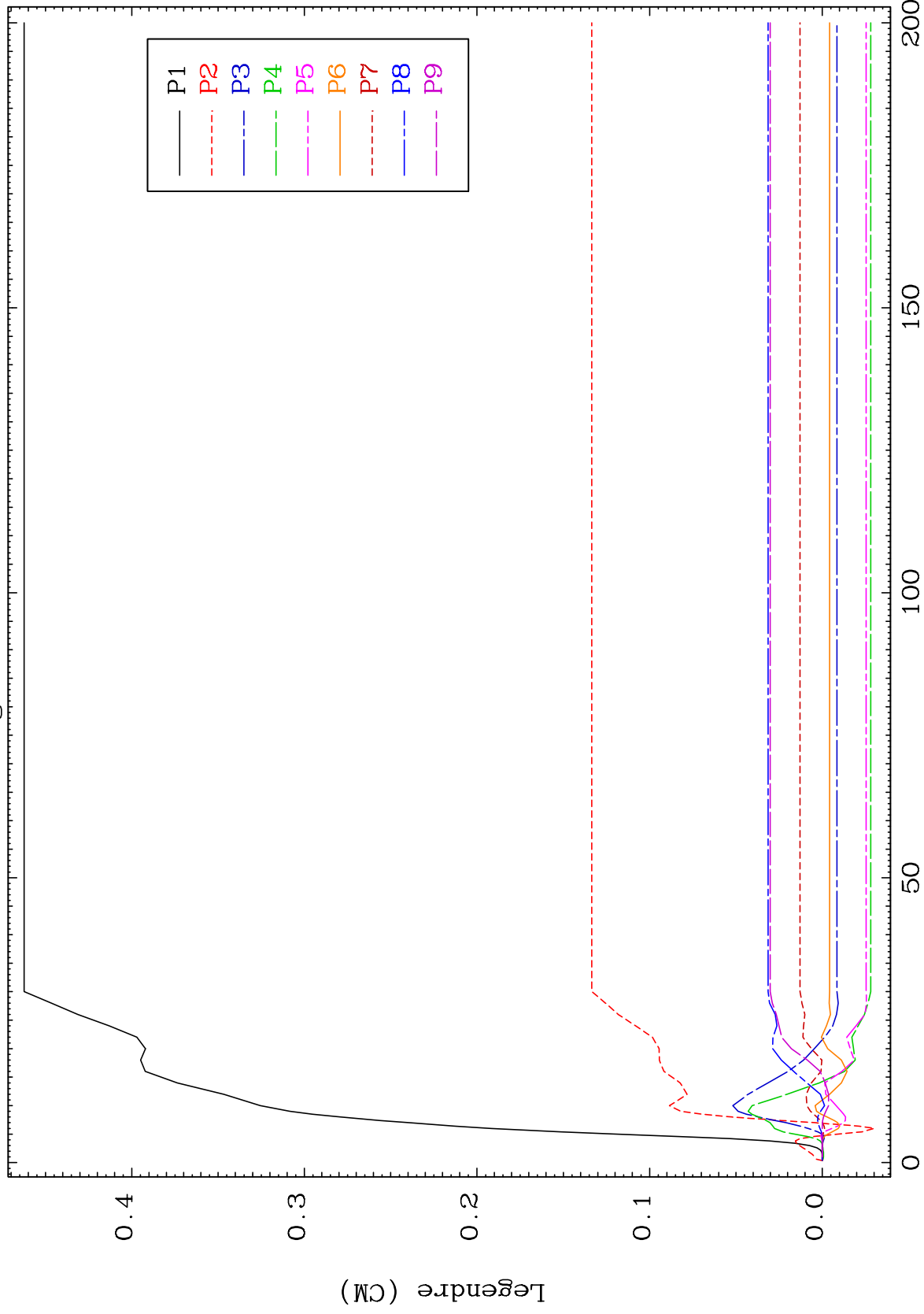
71-Lu-171



MAT 7113

333.8 keV (n,n') Level  
Legendre Coefficients

71-Lu-171



56

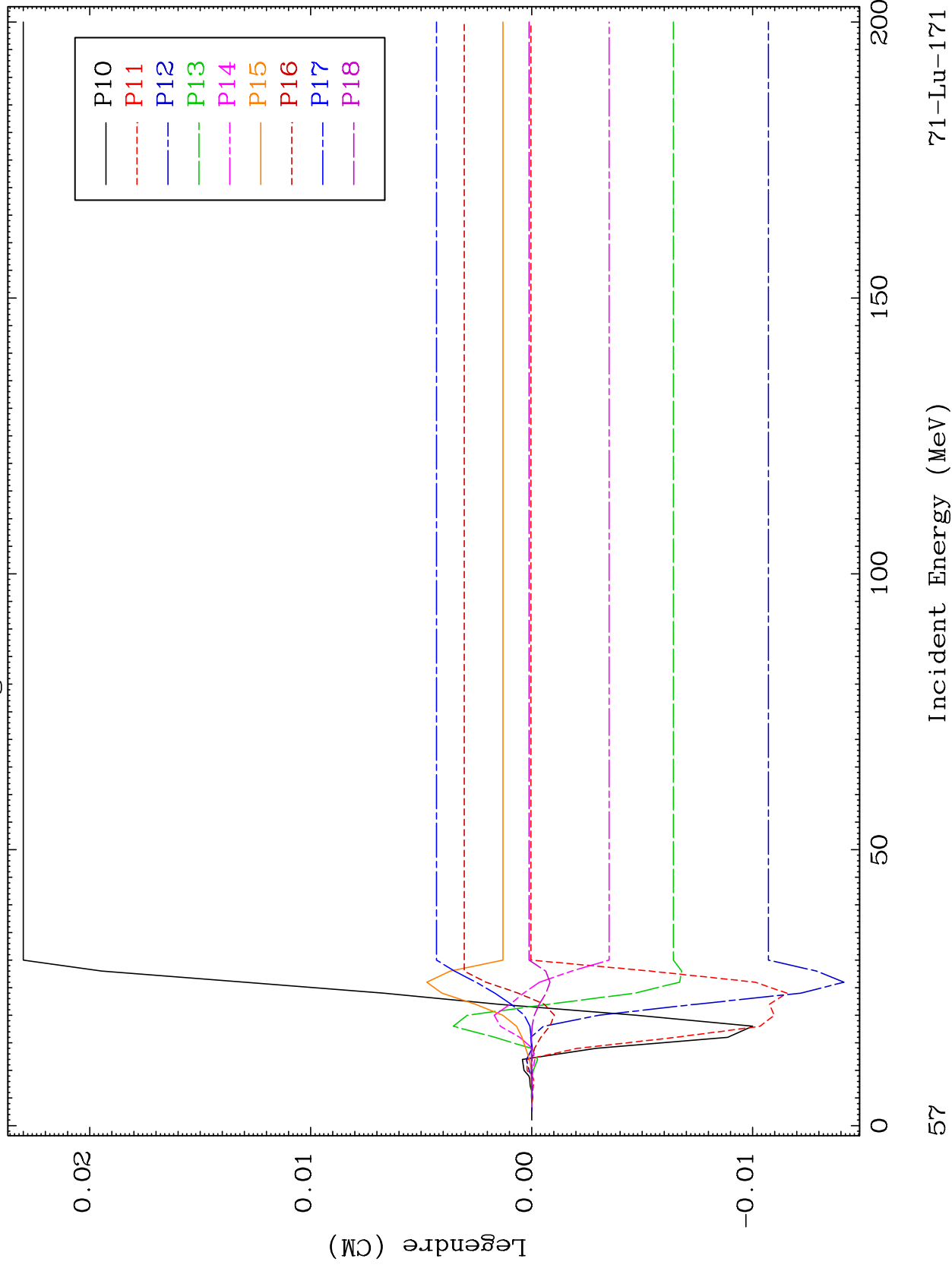
Incident Energy (MeV)

71-Lu-171

MAT 7113

333.8 keV (n,n') Level  
Legendre Coefficients

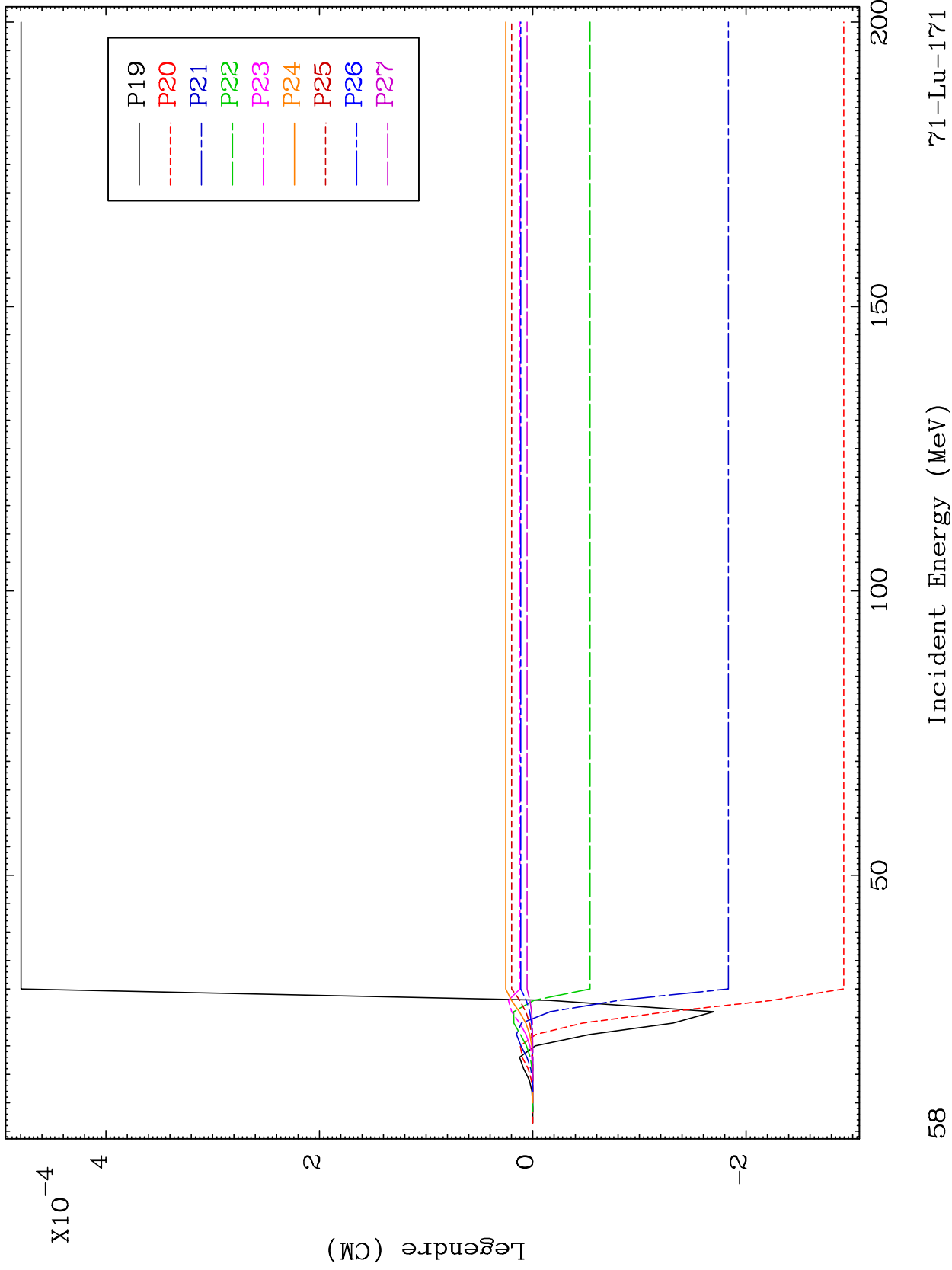
71-Lu-171



57

Incident Energy (MeV)

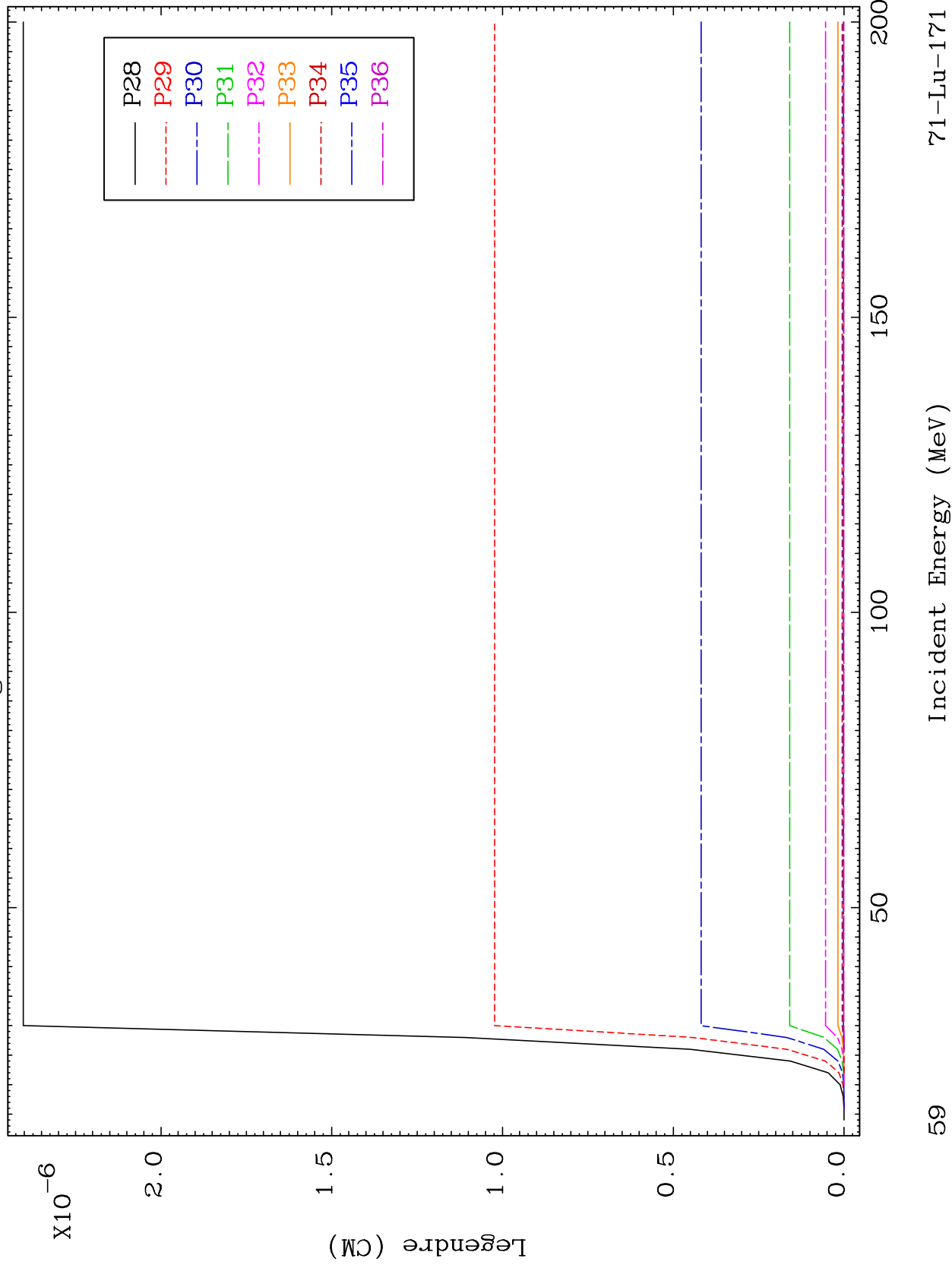
71-Lu-171

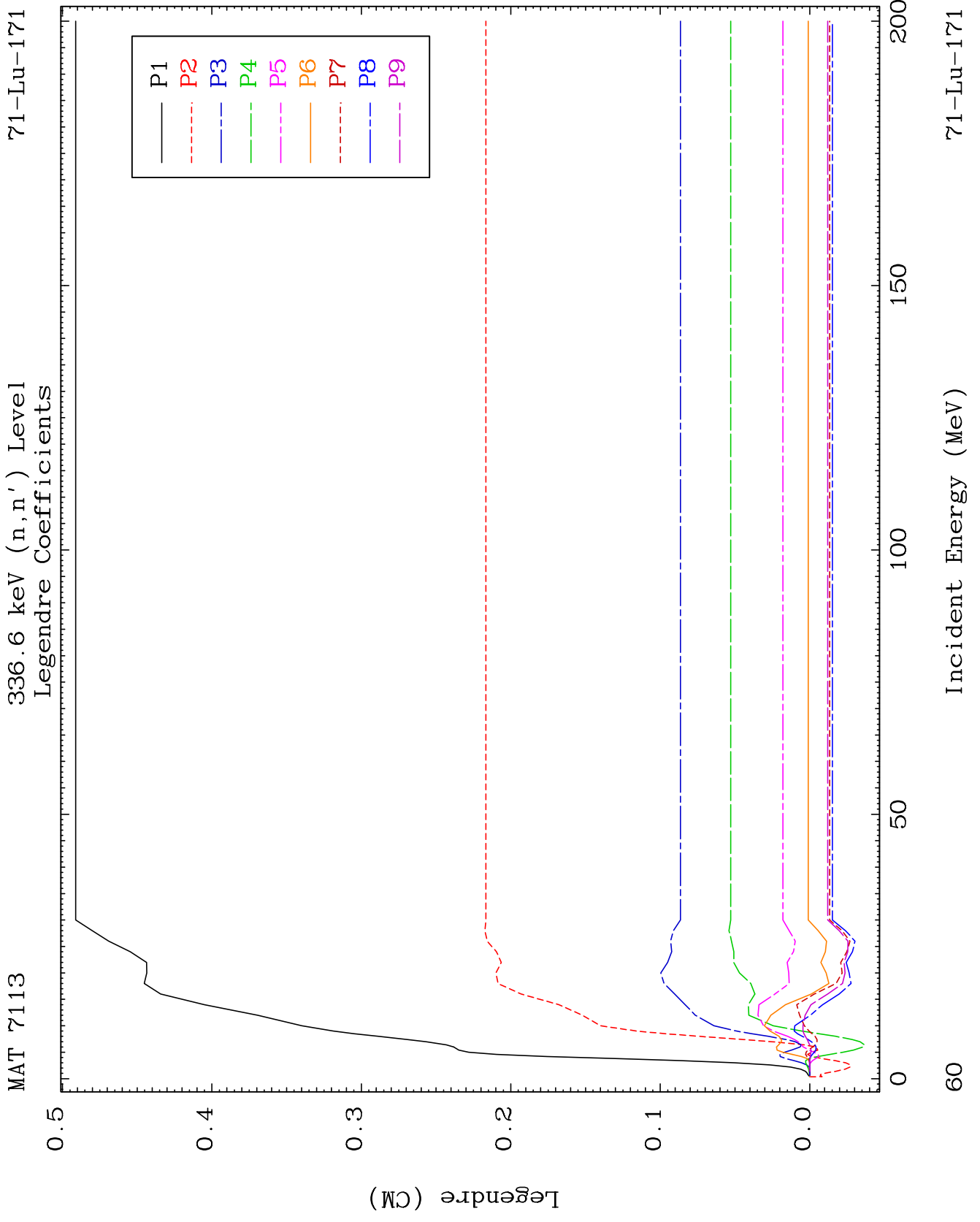


MAT 7113

333.8 keV (n,n') Level  
Legendre Coefficients

71-Lu-171

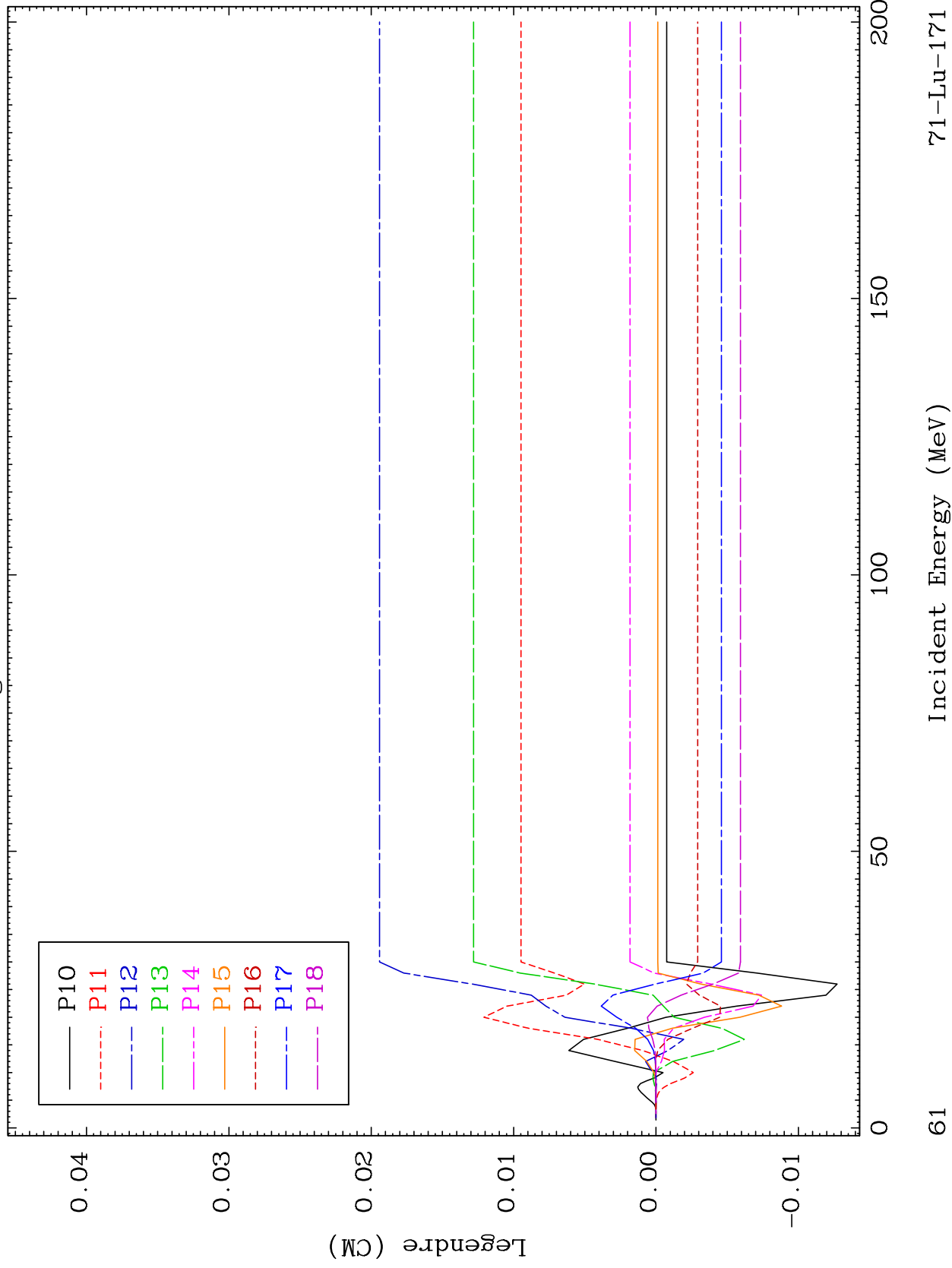




MAT 7113

336.6 keV (n, n') Level  
Legendre Coefficients

71-Lu-171



61

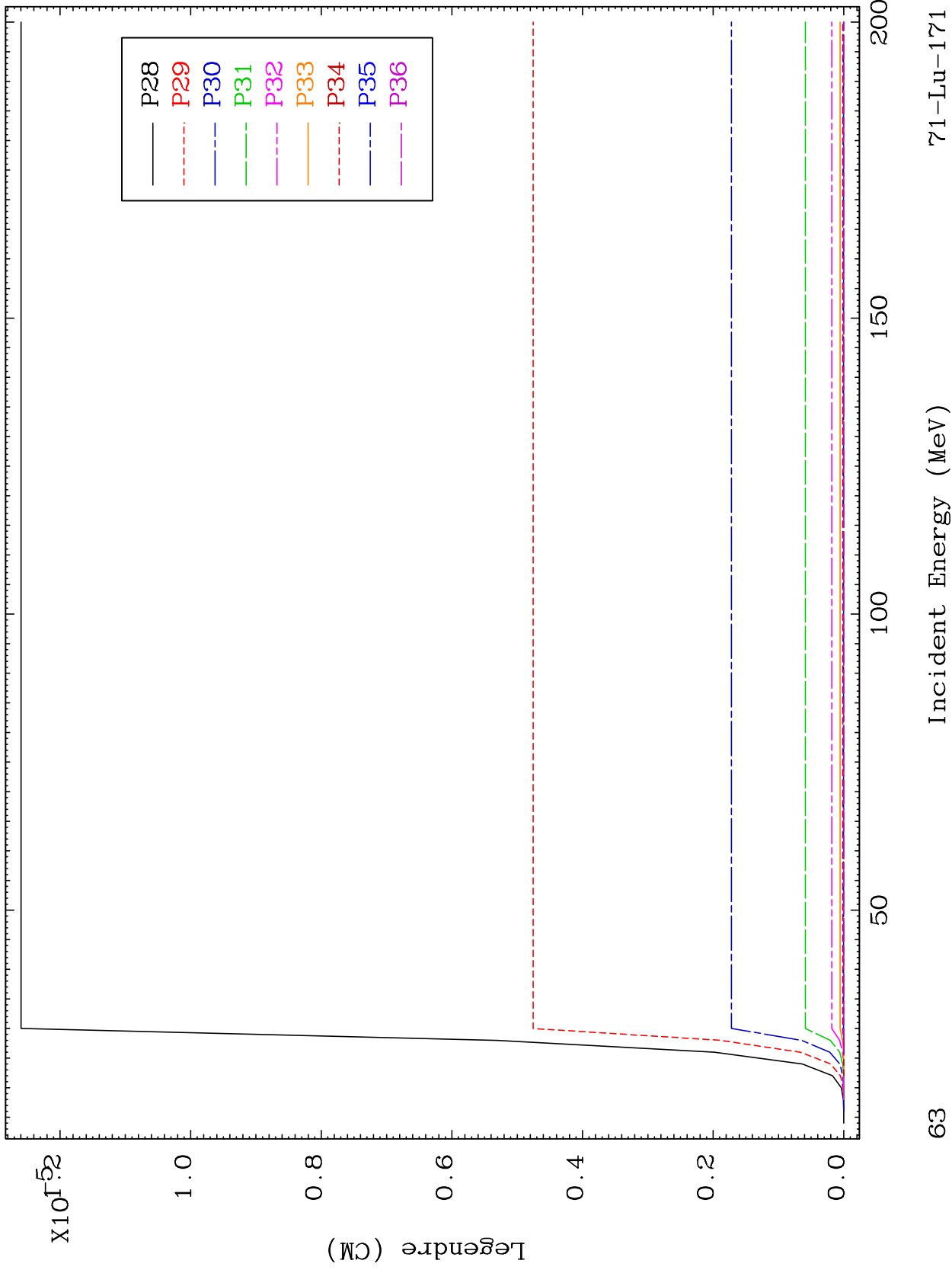
71-Lu-171



MAT 7113

336.6 keV (n, n') Level  
Legendre Coefficients

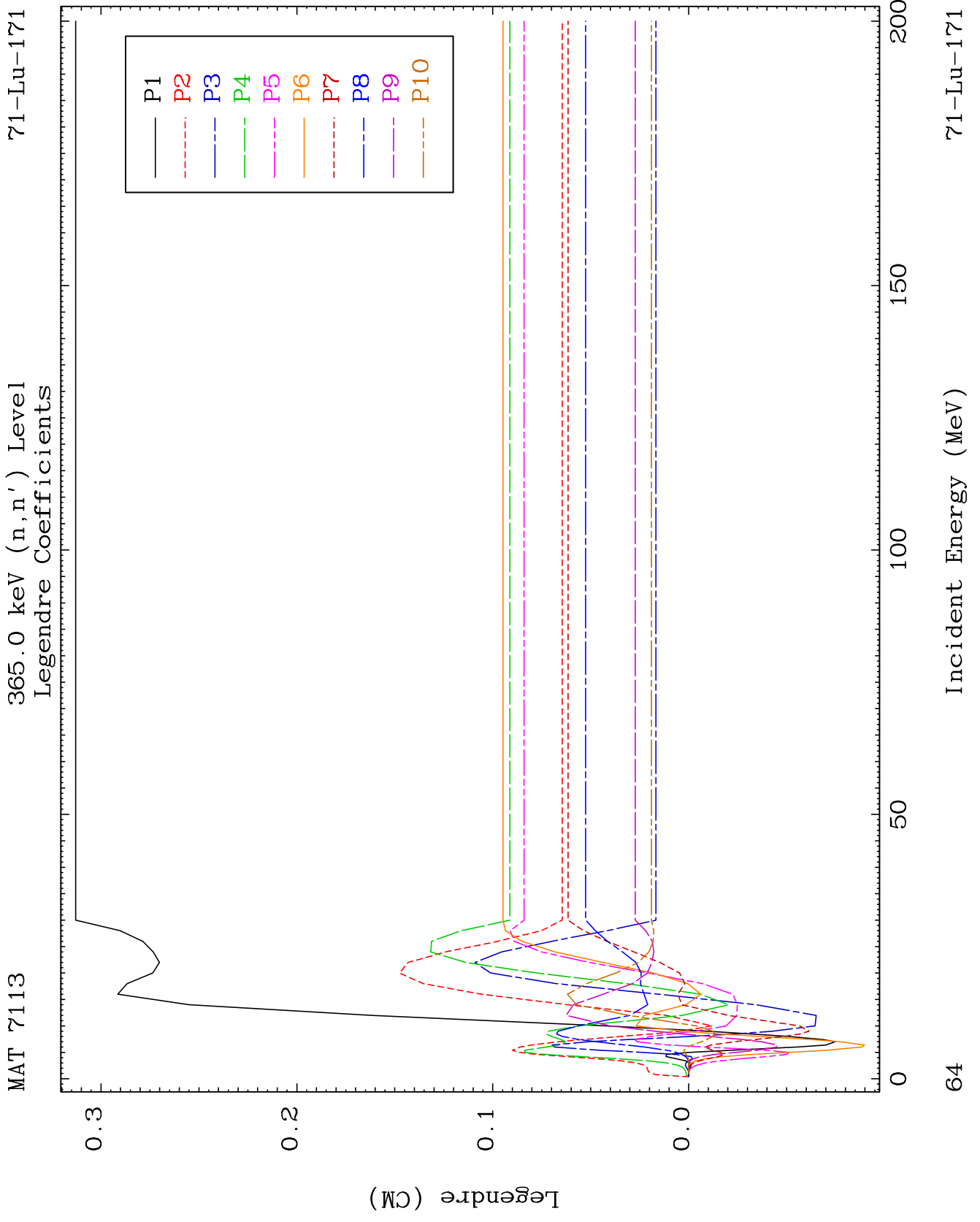
71-Lu-171



63

71-Lu-171

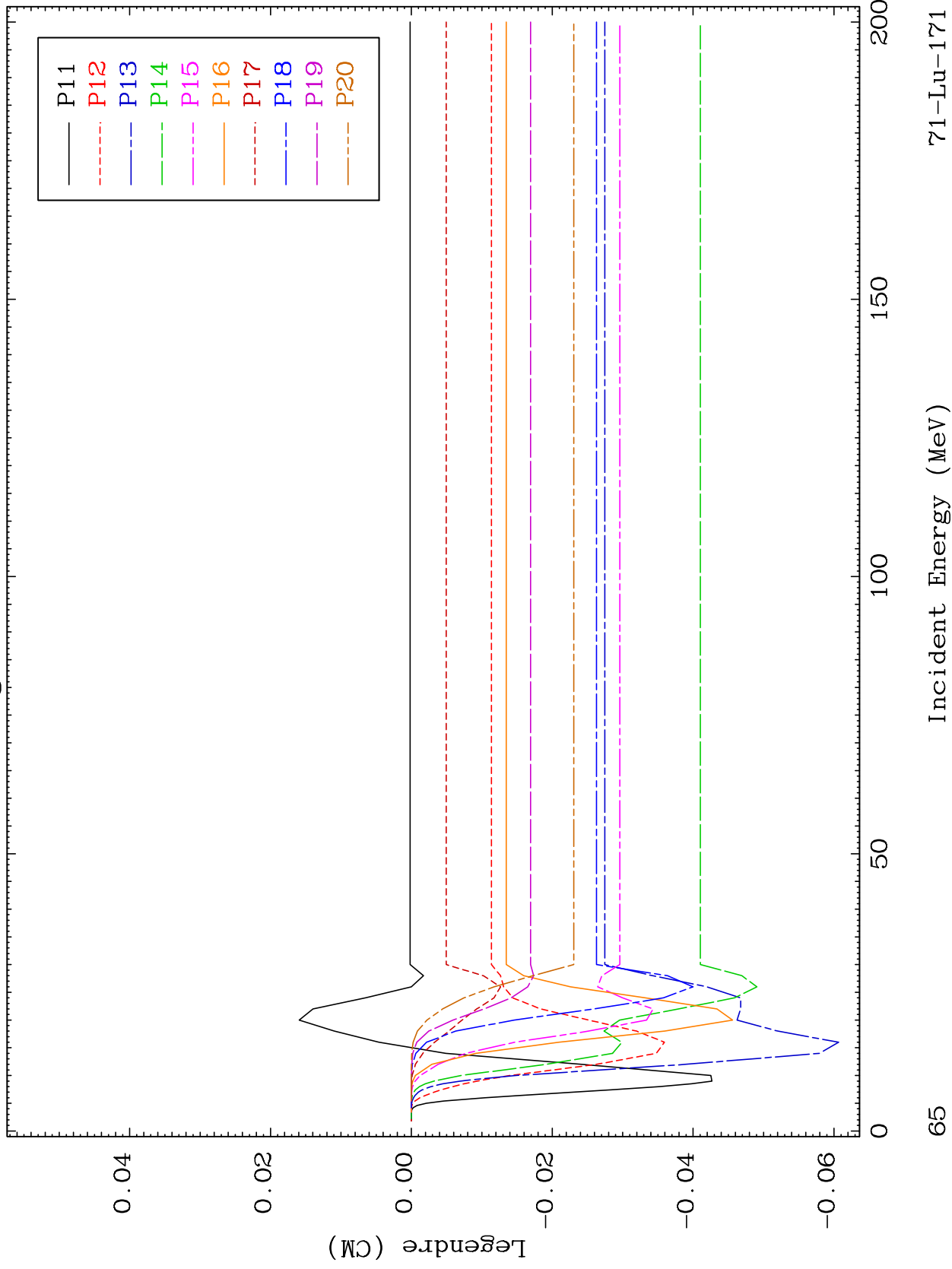


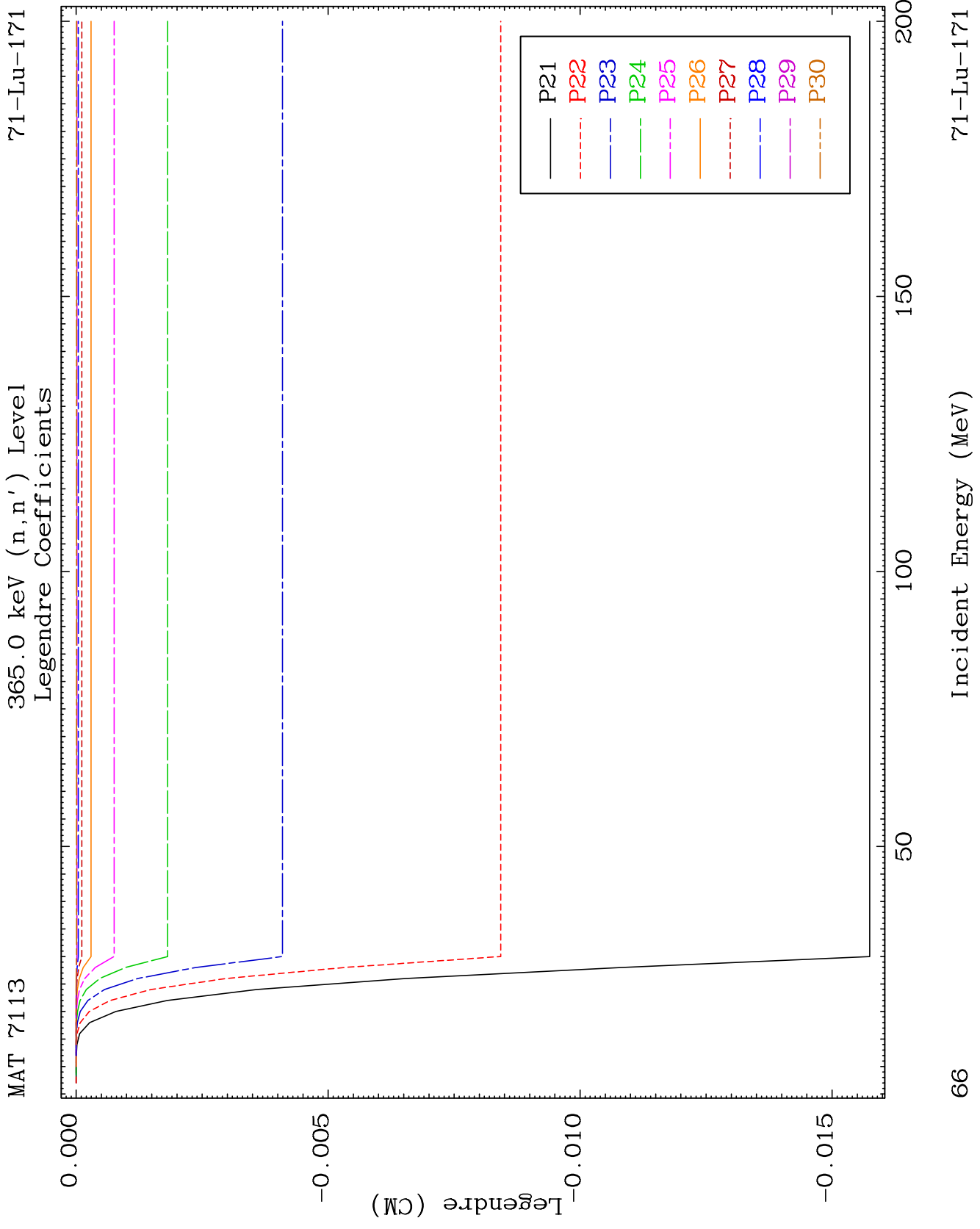


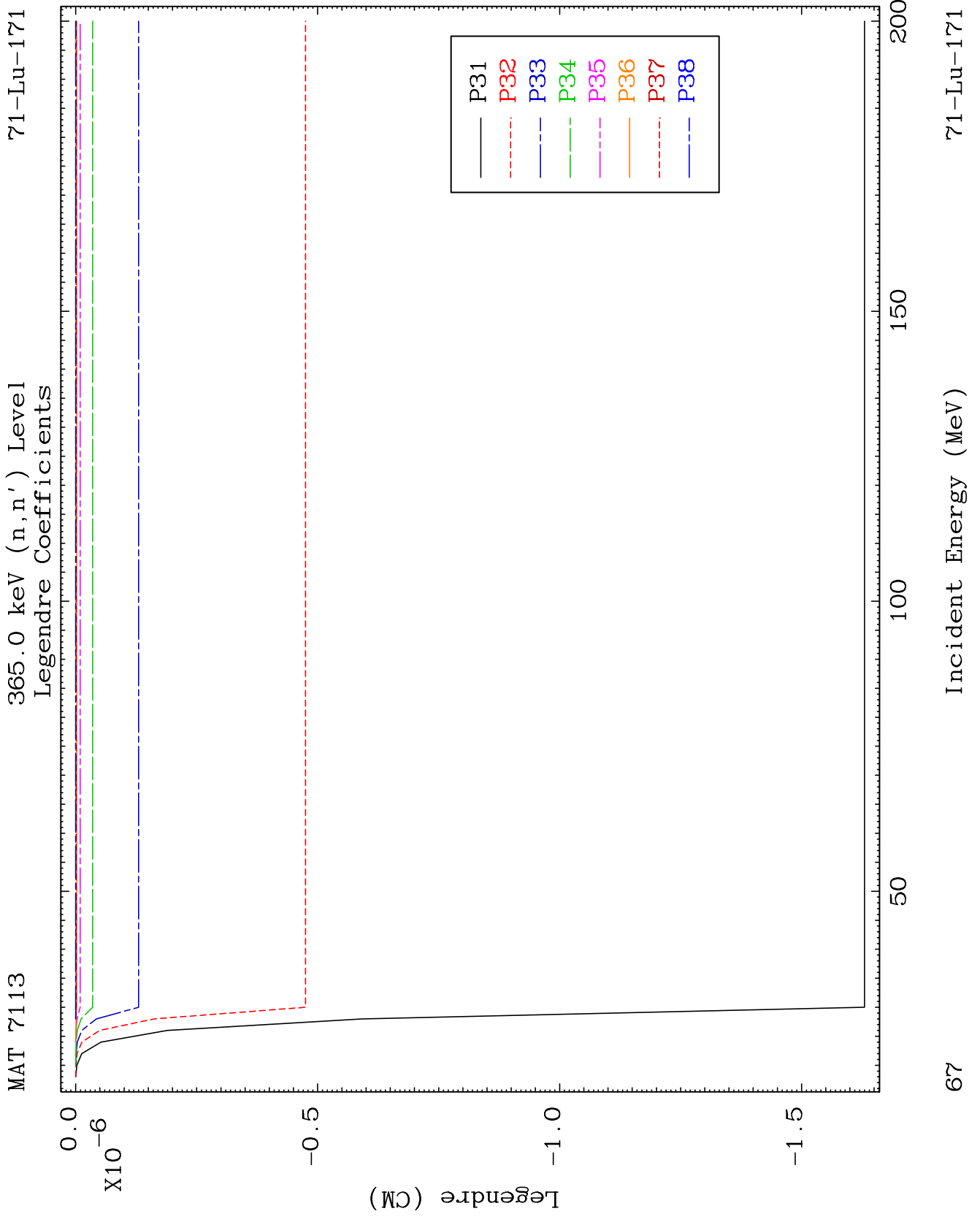
MAT 7113

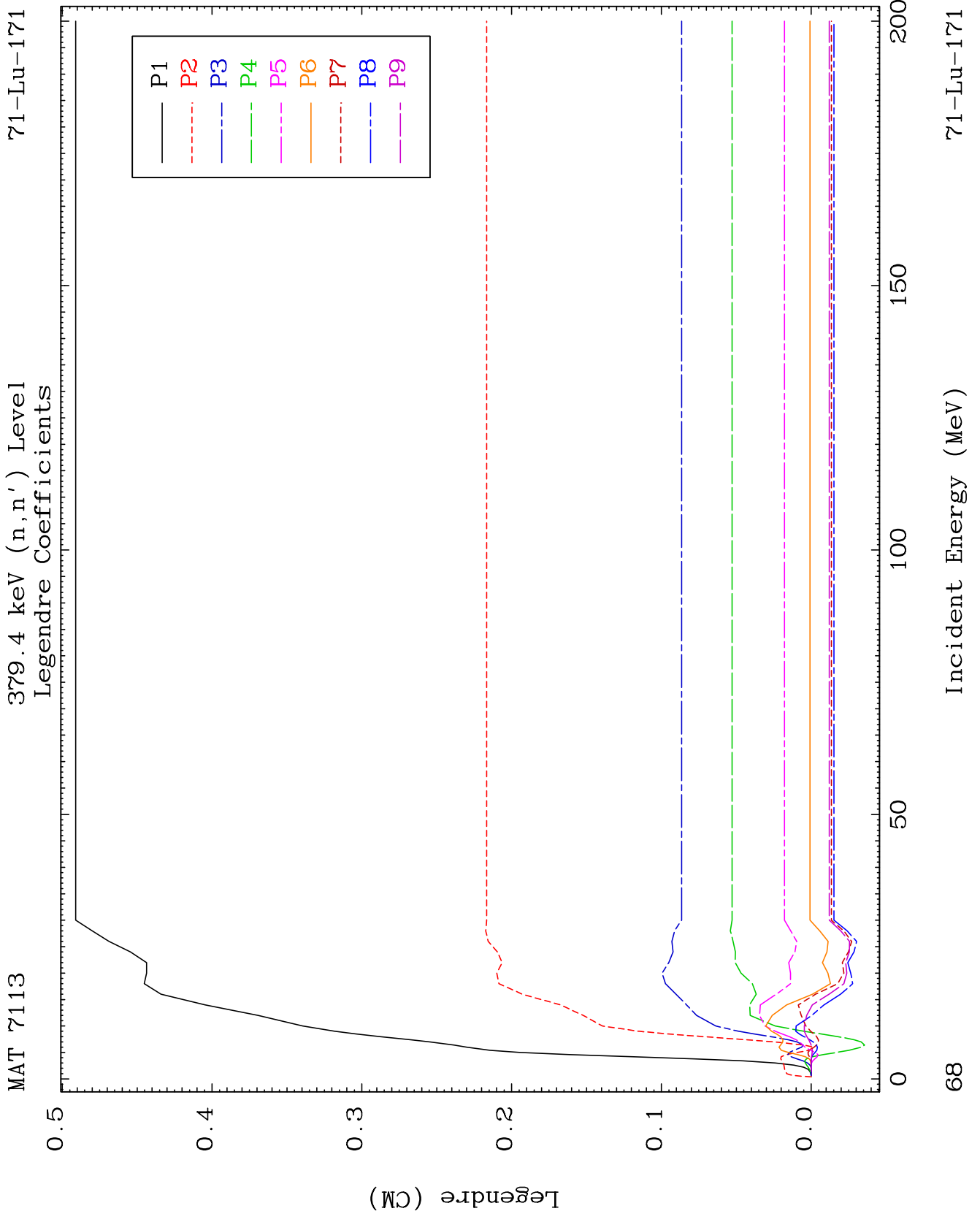
365.0 keV (n,n') Level  
Legendre Coefficients

71-Lu-171





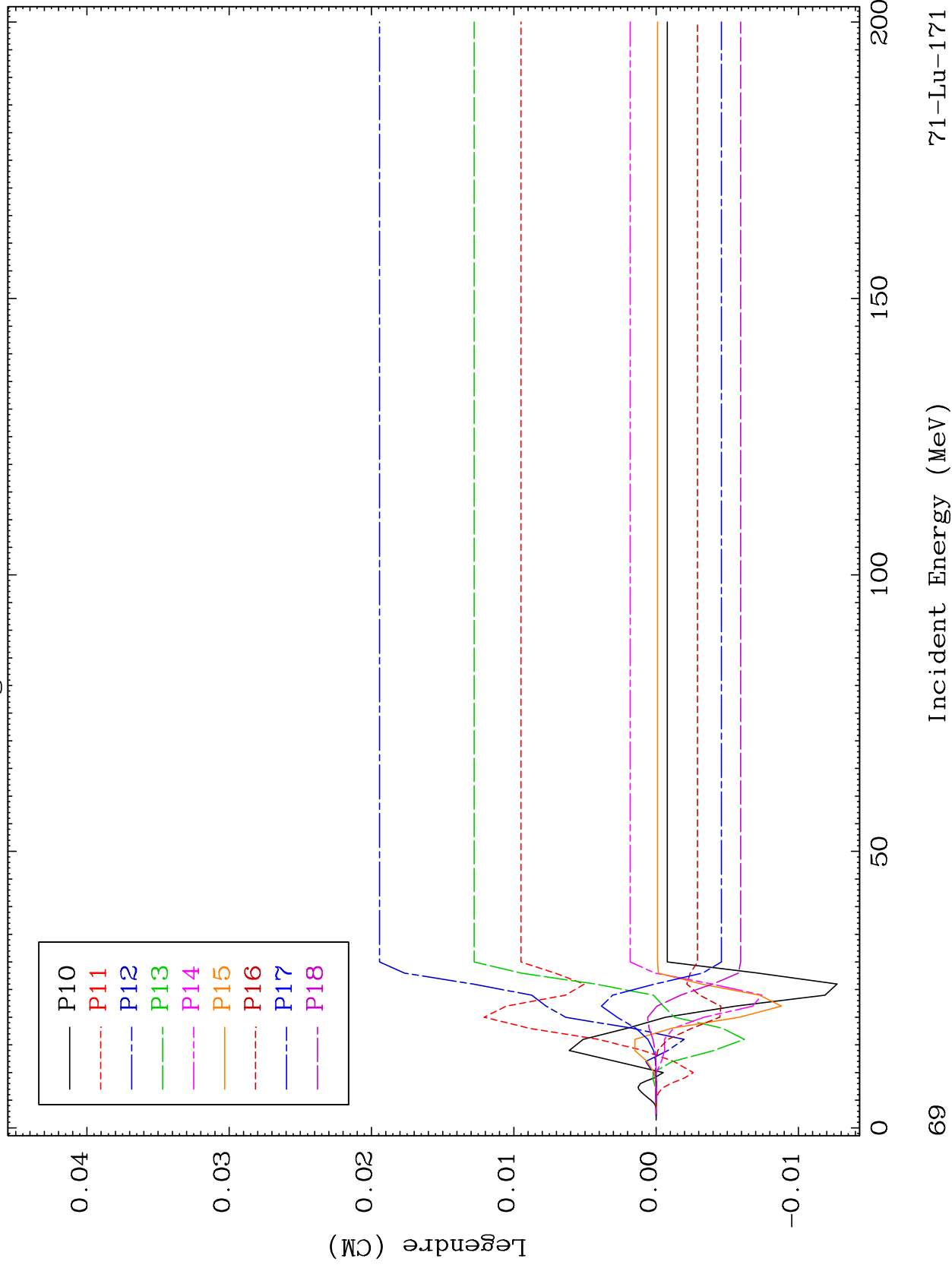


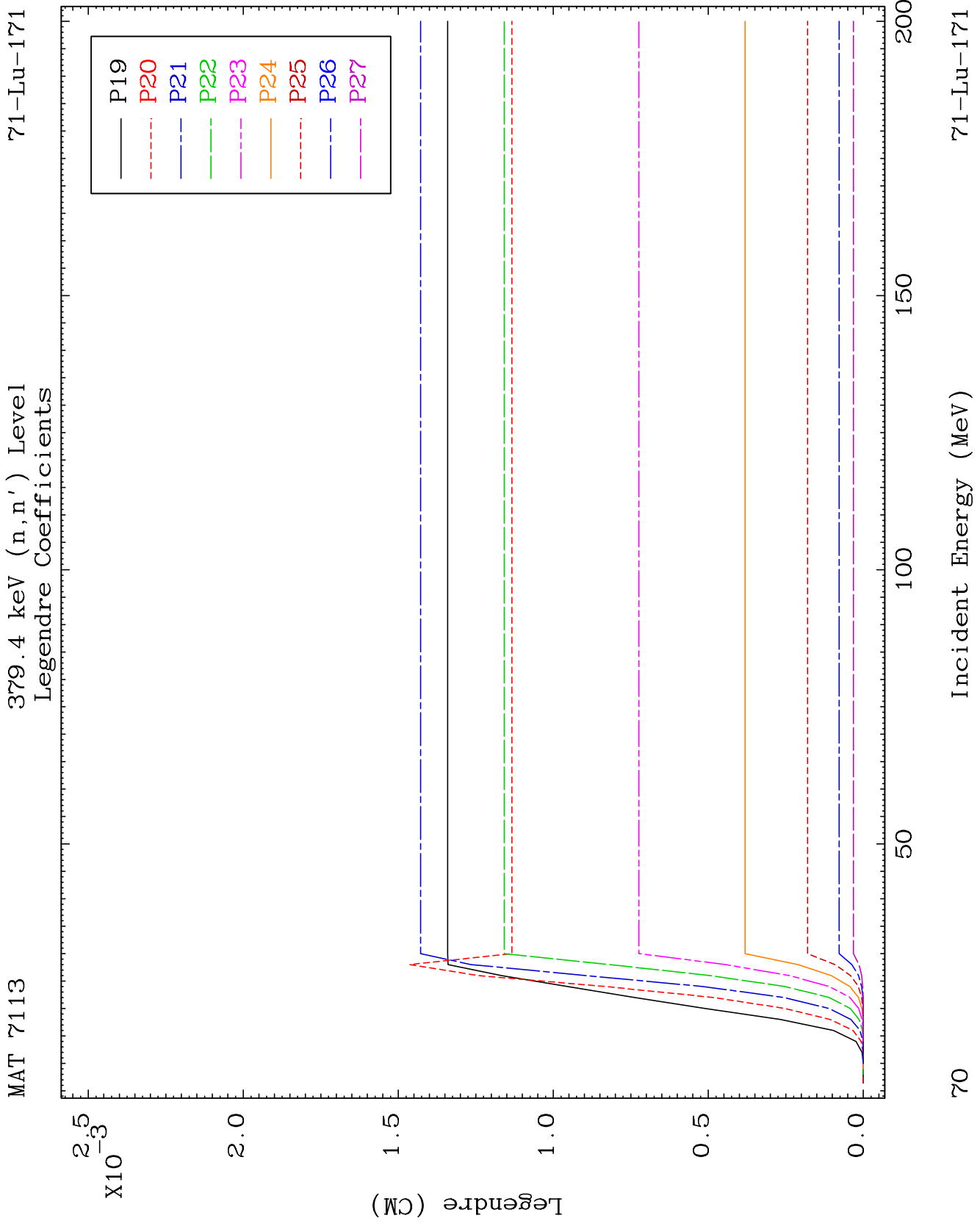


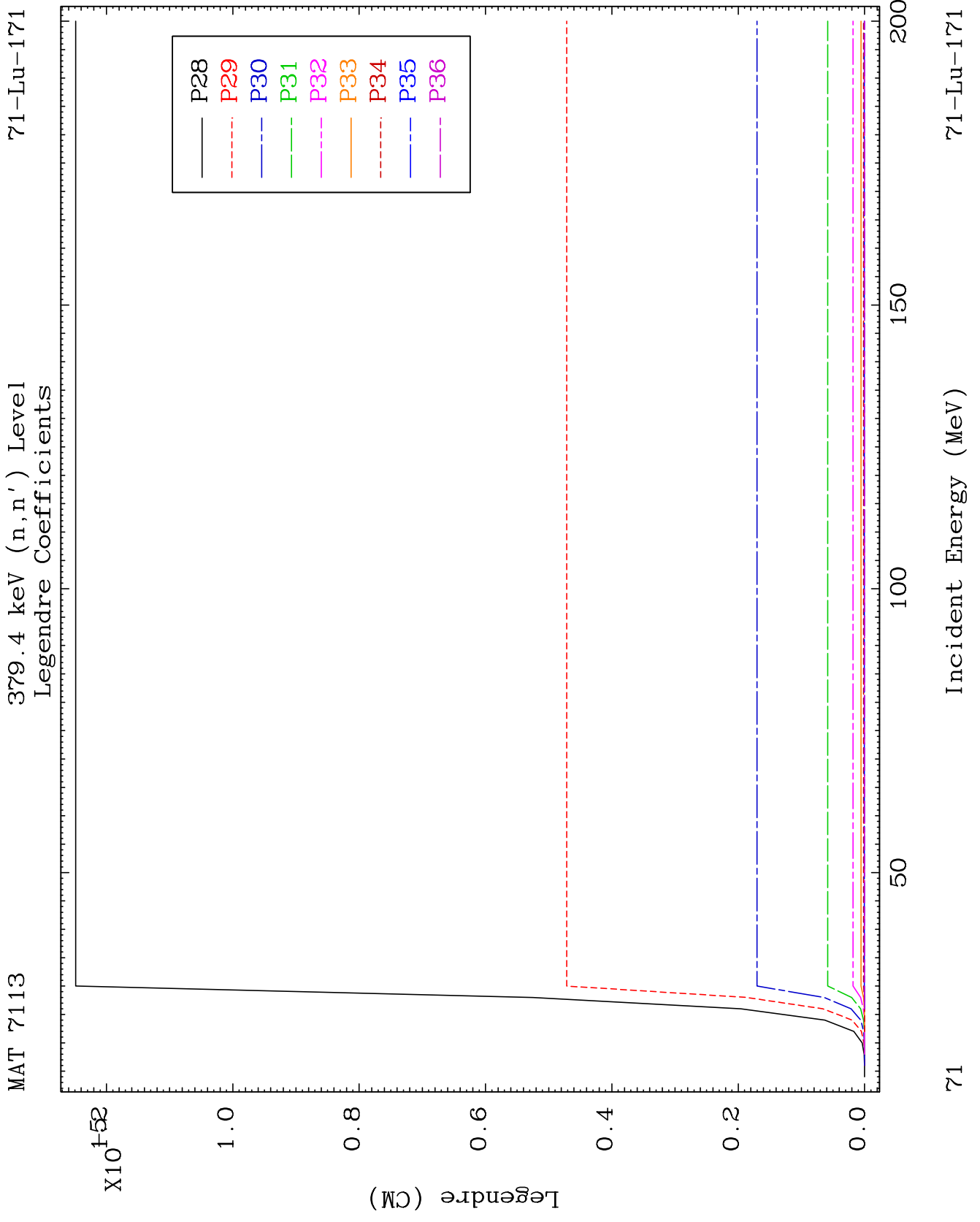
MAT 7113

379.4 keV (n,n') Level  
Legendre Coefficients

71-Lu-171





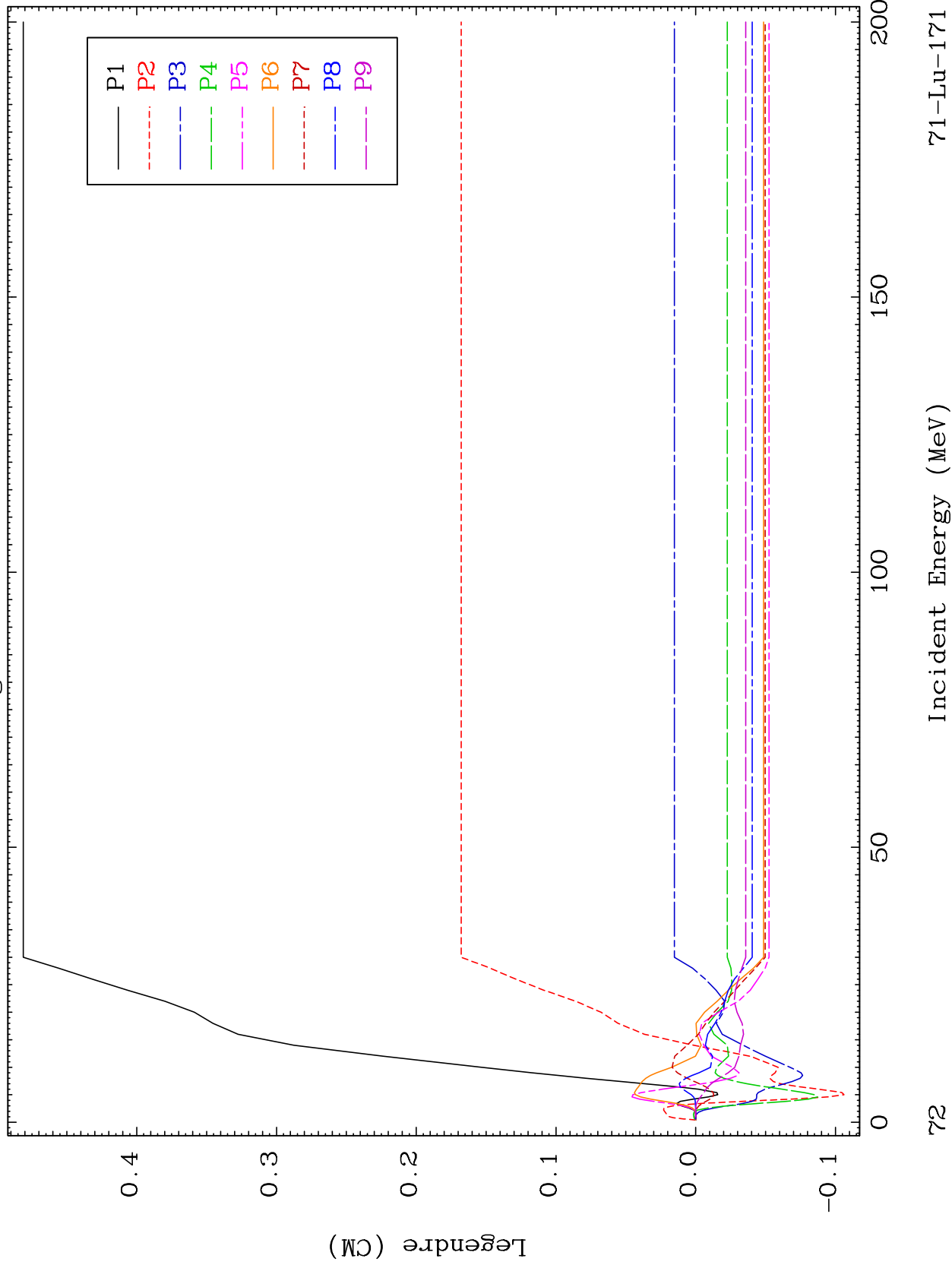




MAT 7113

394.7 keV (n, n') Level  
Legendre Coefficients

71-Lu-171



72

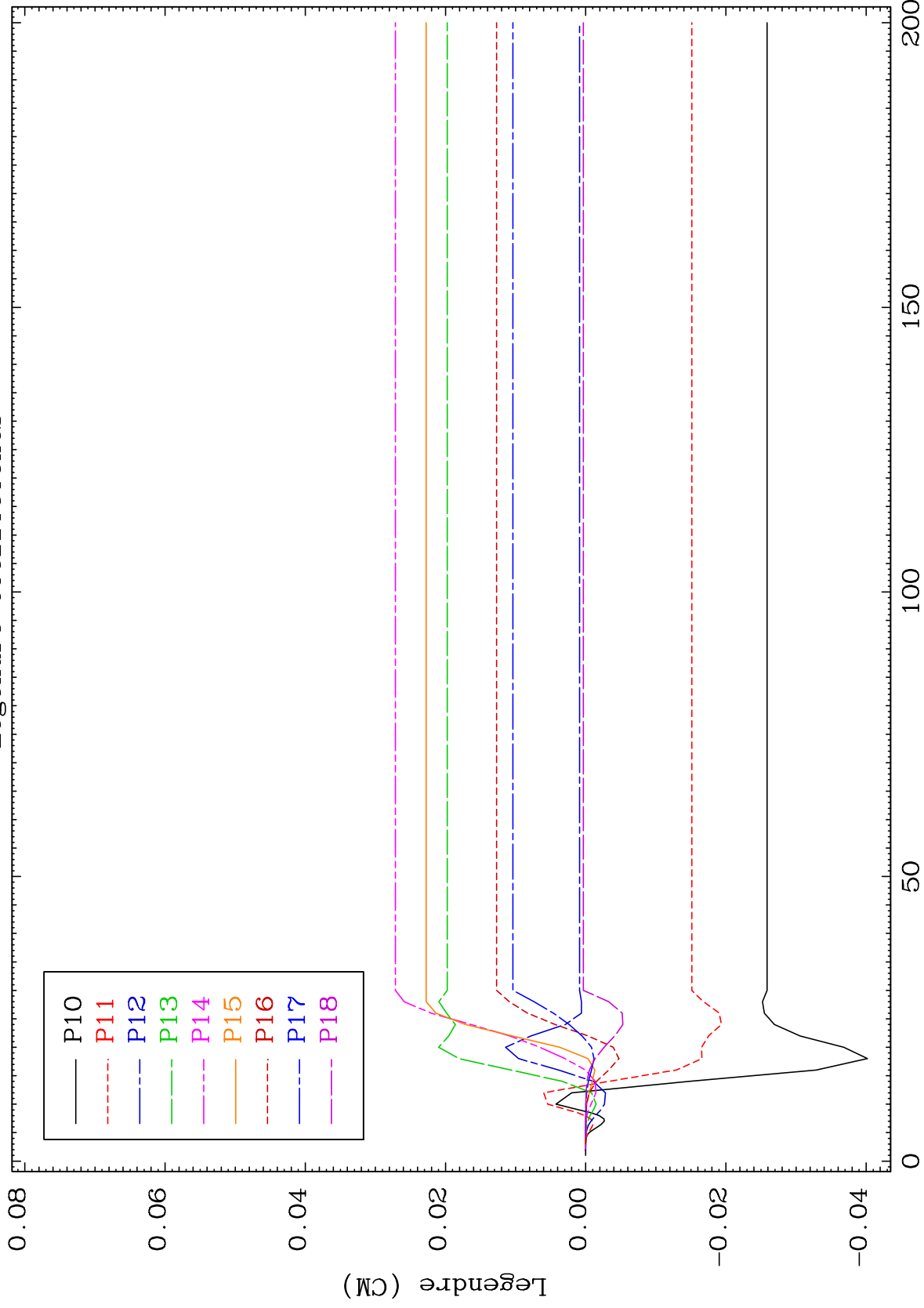
Incident Energy (MeV)

71-Lu-171

MAT 7113

394.7 keV (n,n') Level  
Legendre Coefficients

71-Lu-171



73

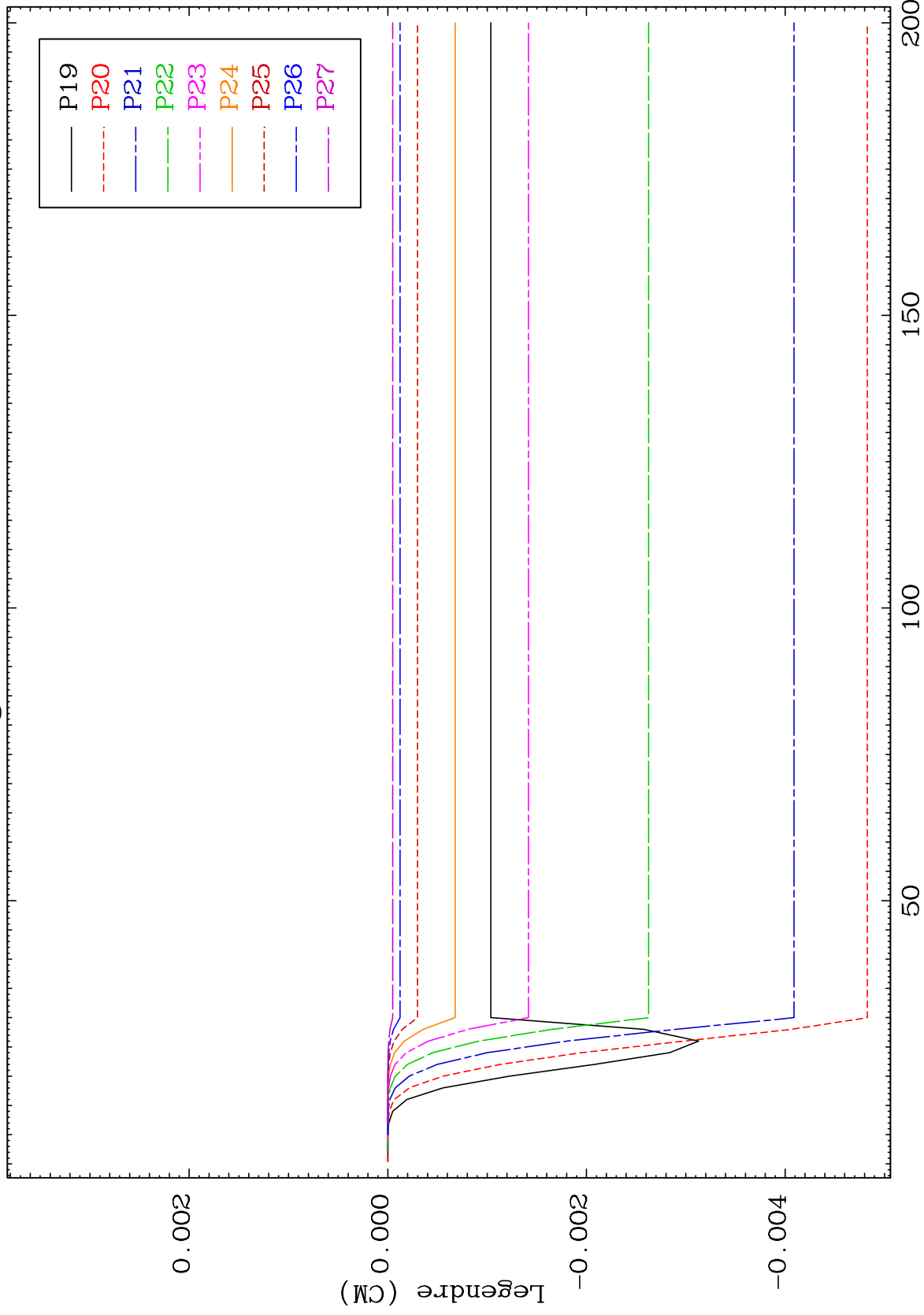
Incident Energy (MeV)

71-Lu-171

MAT 7113

394.7 keV (n, n') Level  
Legendre Coefficients

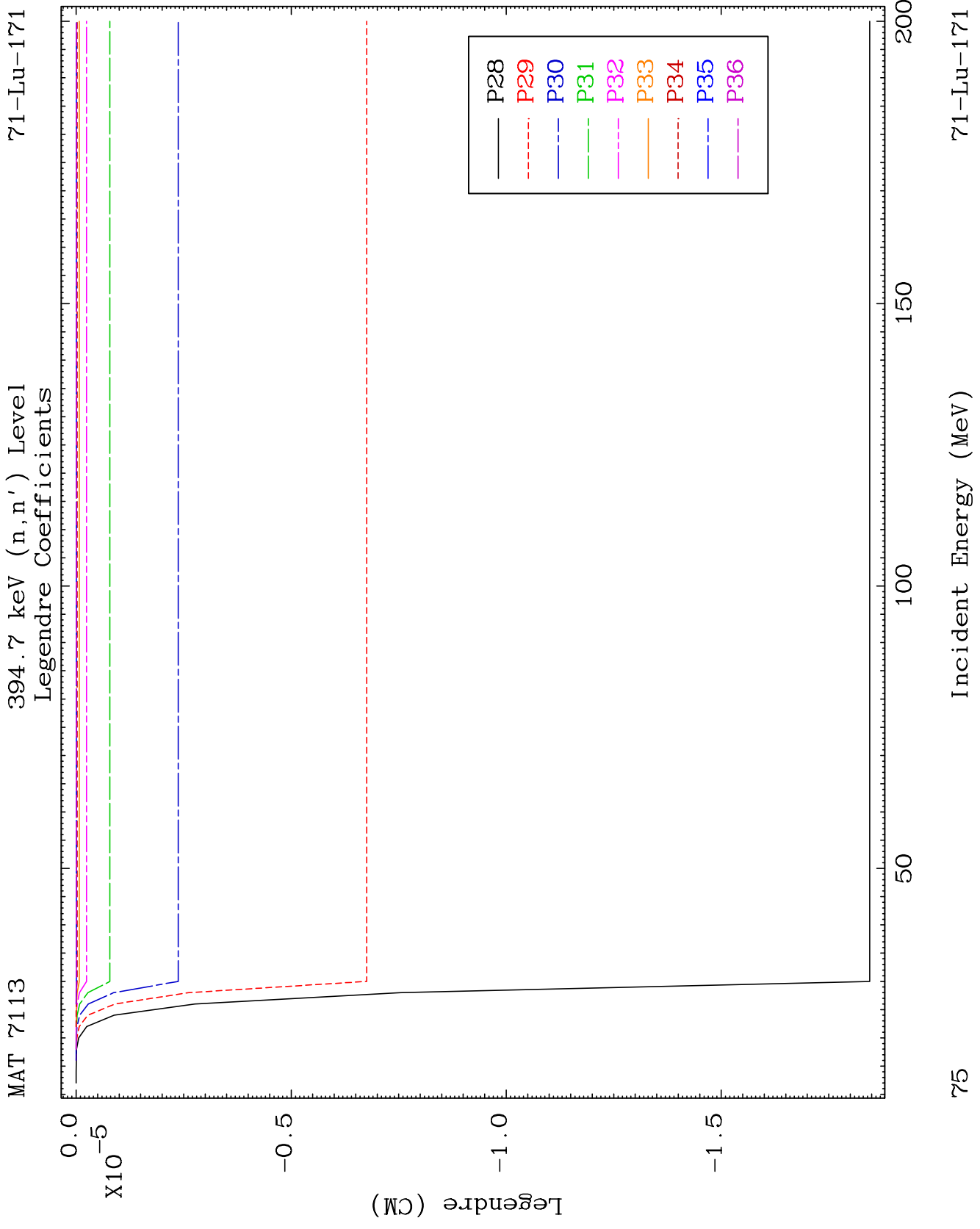
71-Lu-171



74

Incident Energy (MeV)

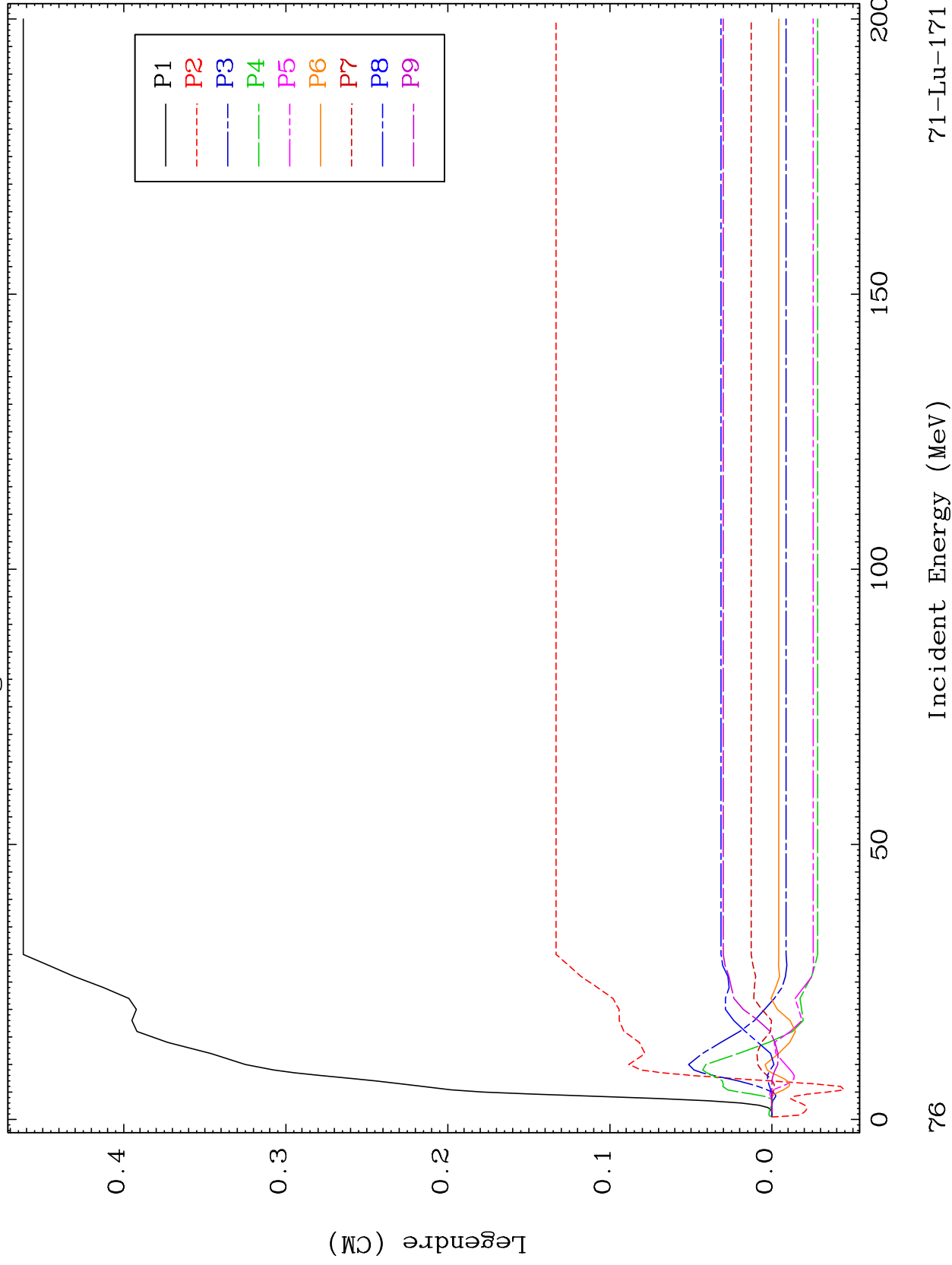
71-Lu-171



MAT 7113

440.1 keV (n,n') Level  
Legendre Coefficients

71-Lu-171



71-Lu-171

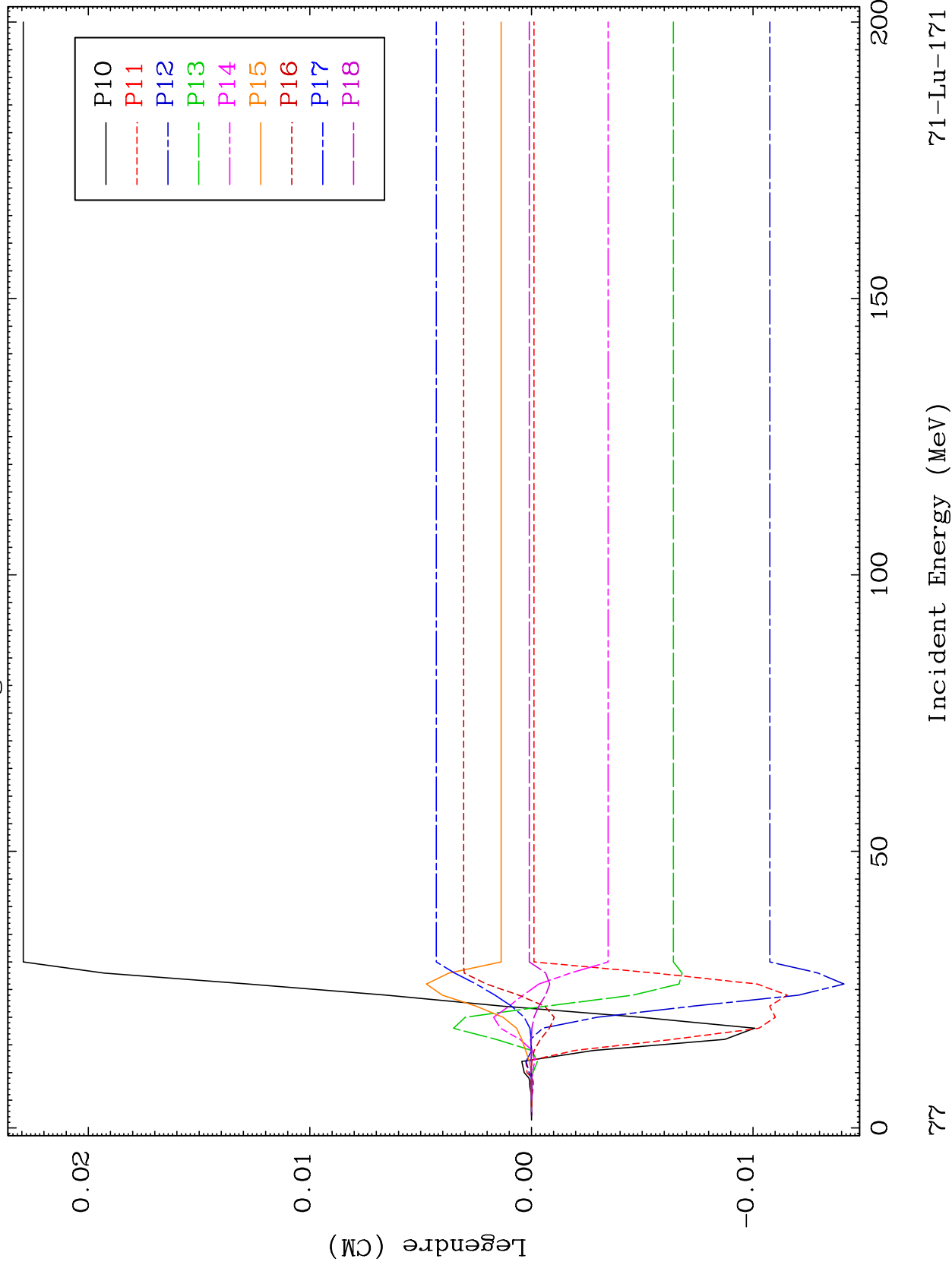
Incident Energy (MeV)

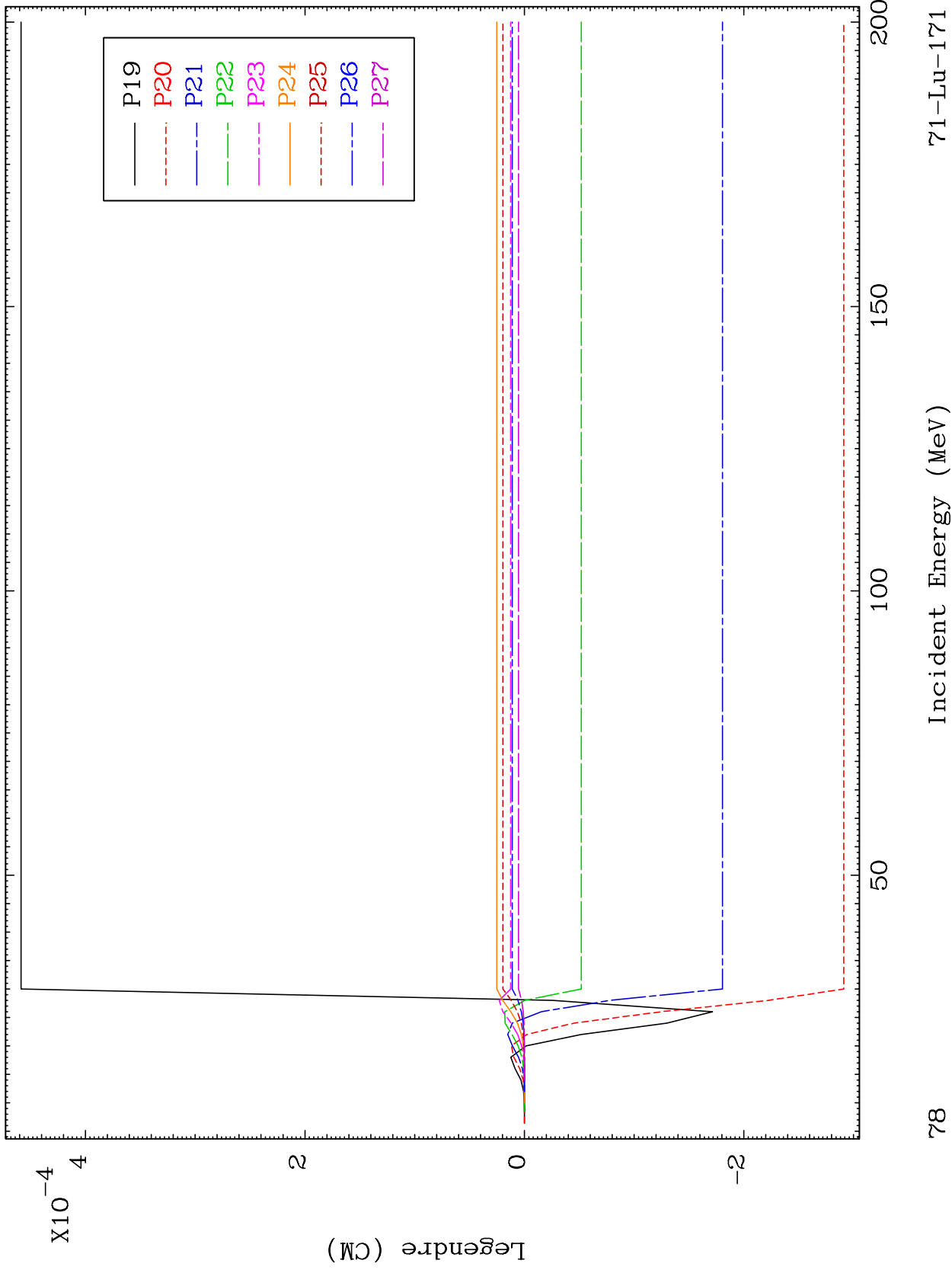
76

MAT 7113

440.1 keV (n,n') Level  
Legendre Coefficients

71-Lu-171

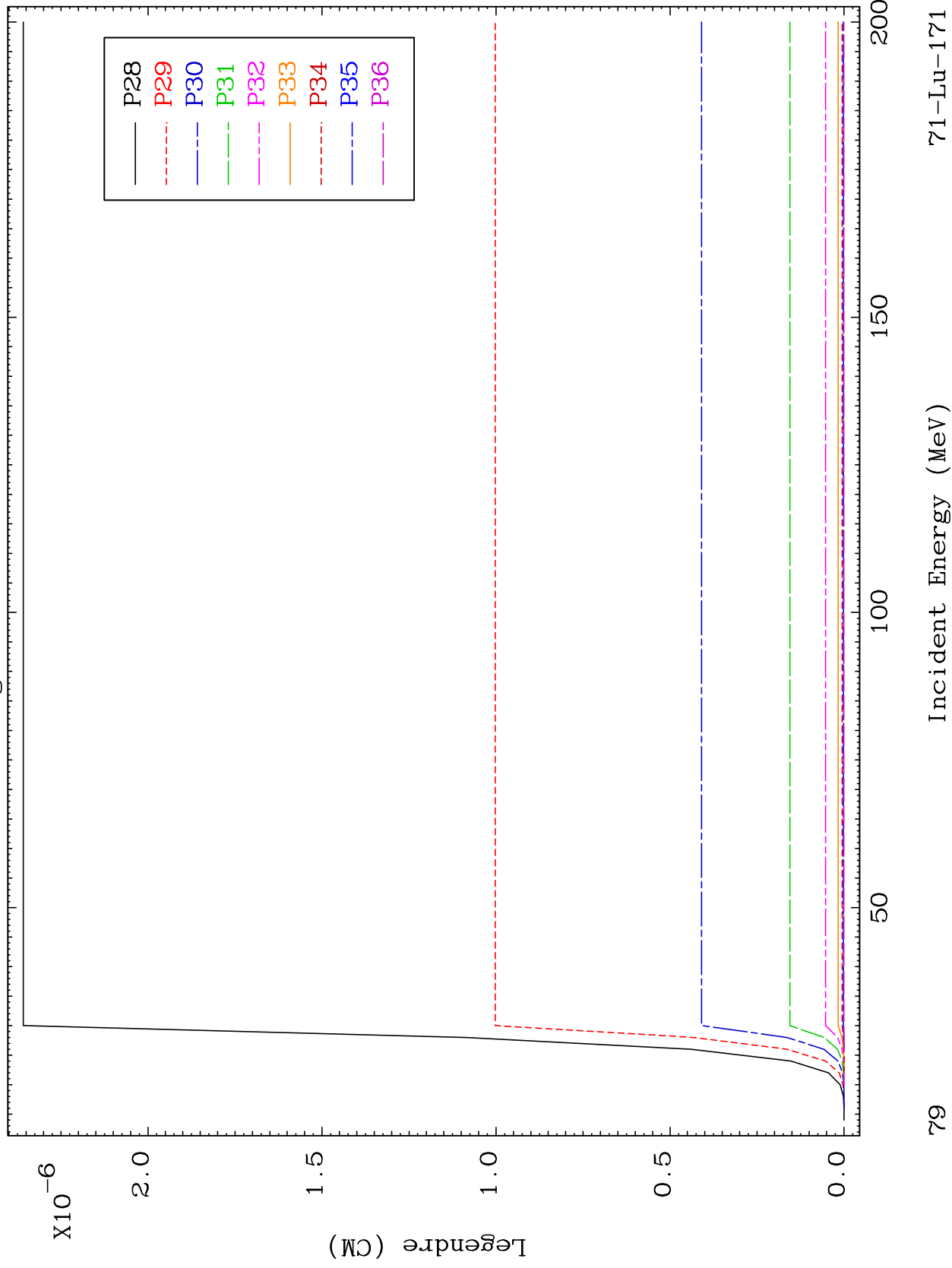




MAT 7113

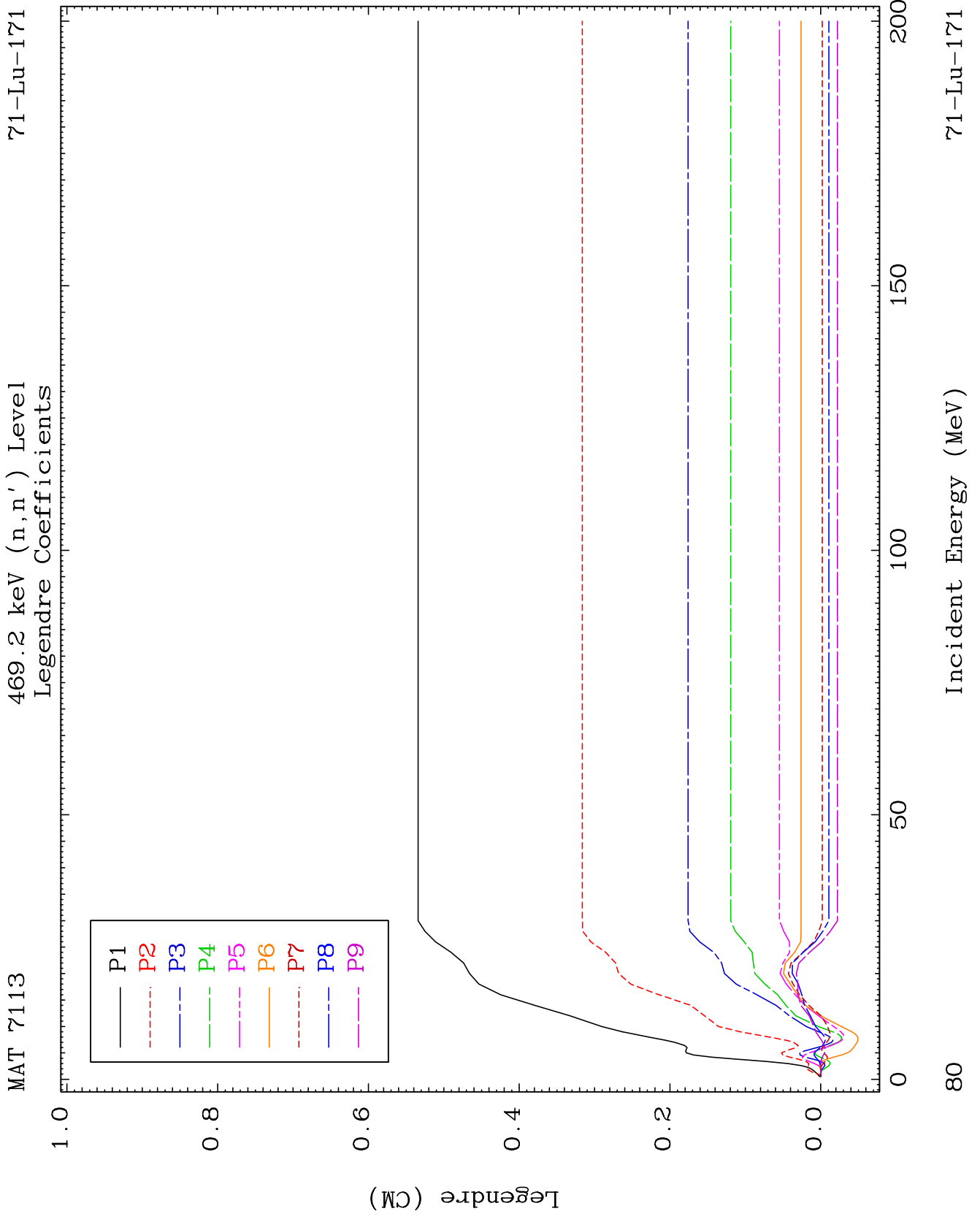
440.1 keV (n,n') Level  
Legendre Coefficients

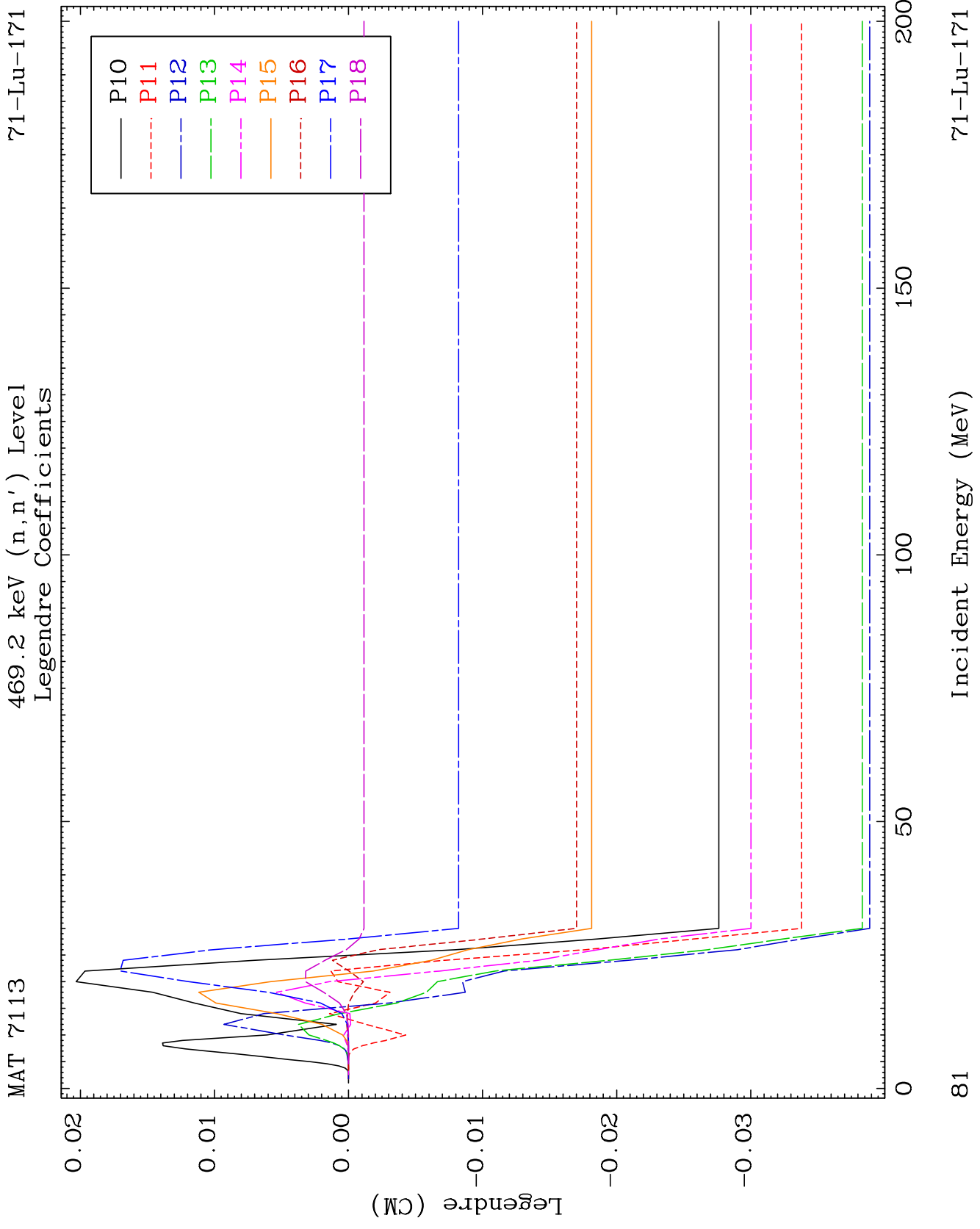
71-Lu-171

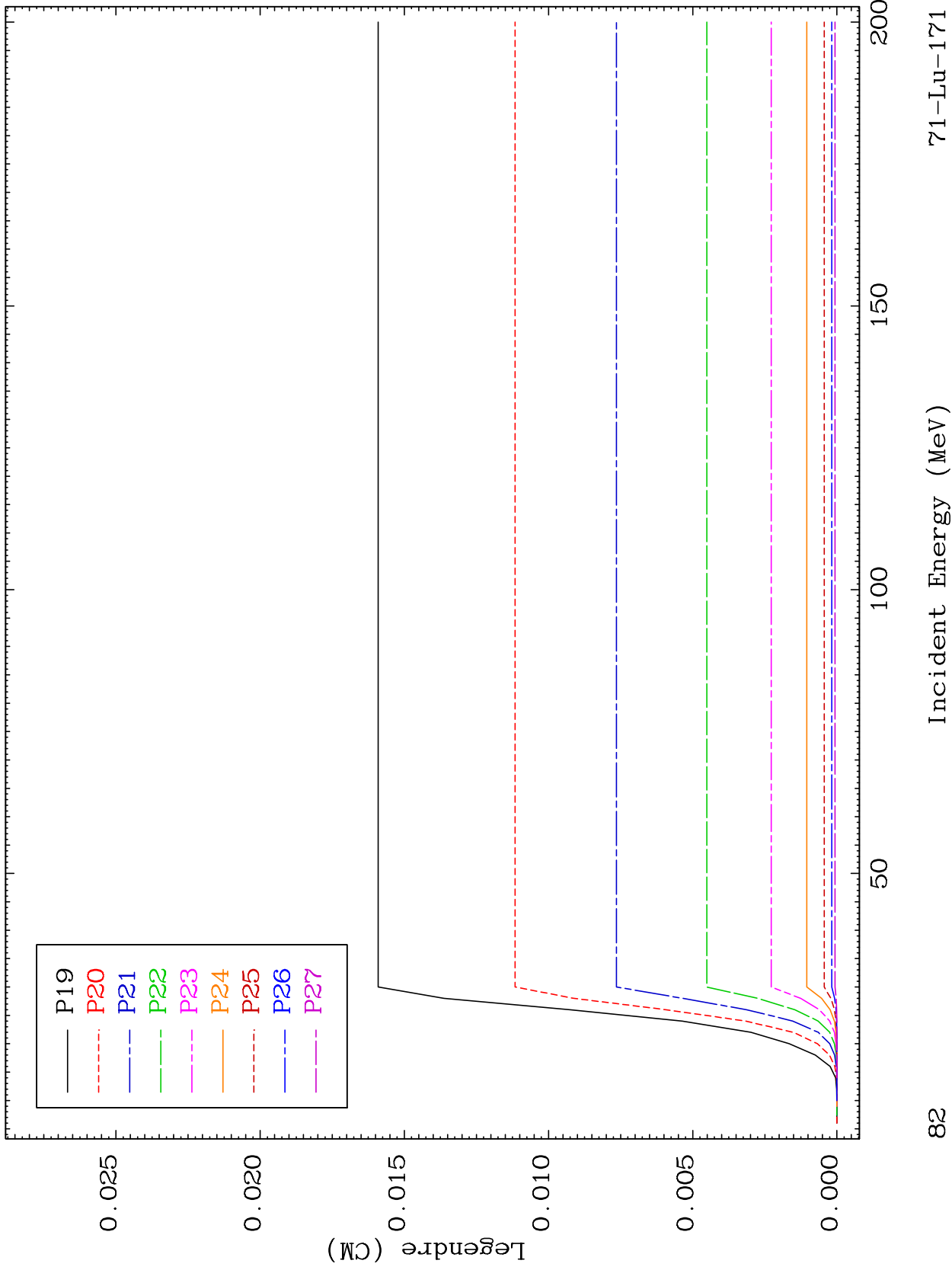


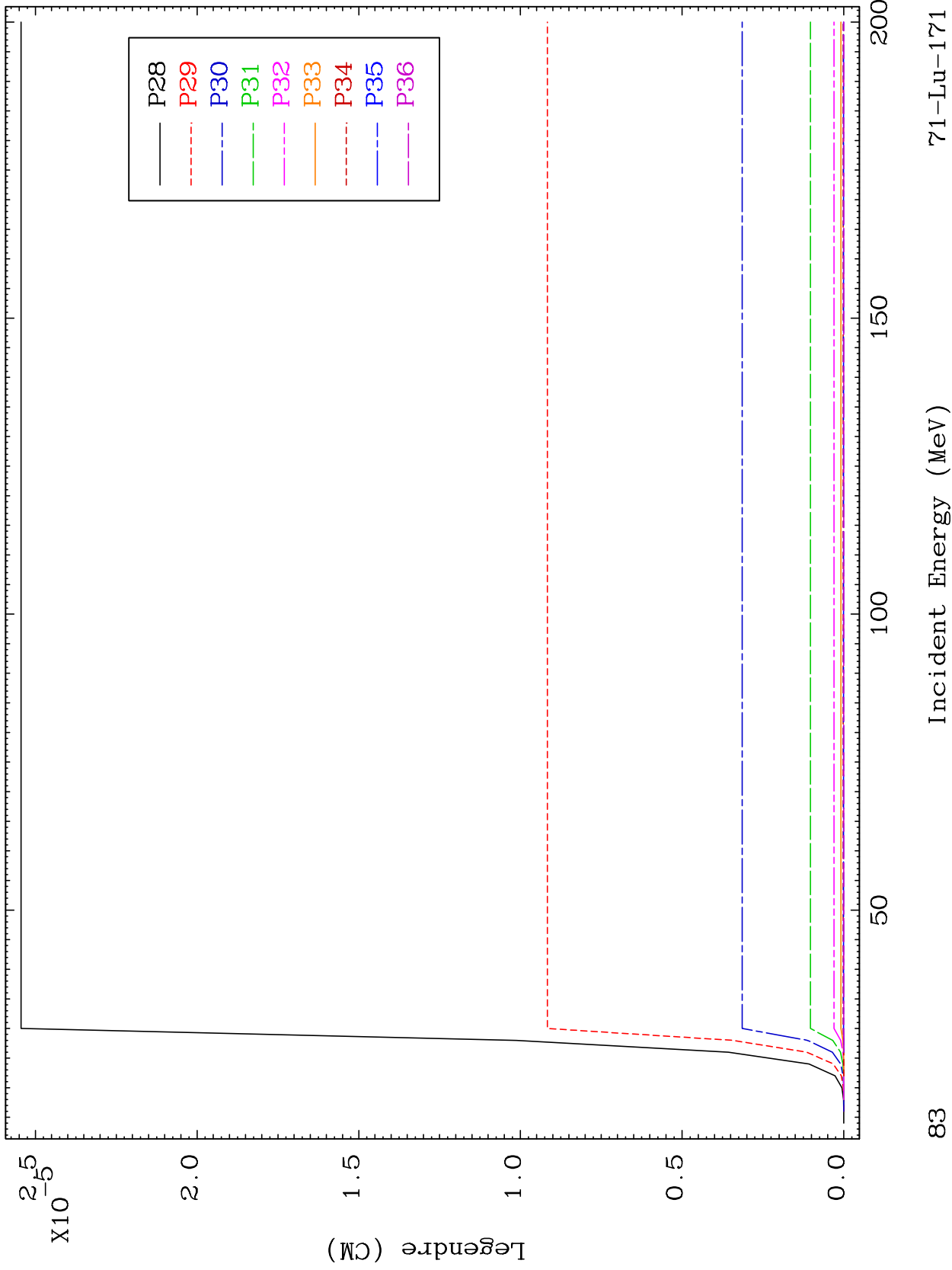
79









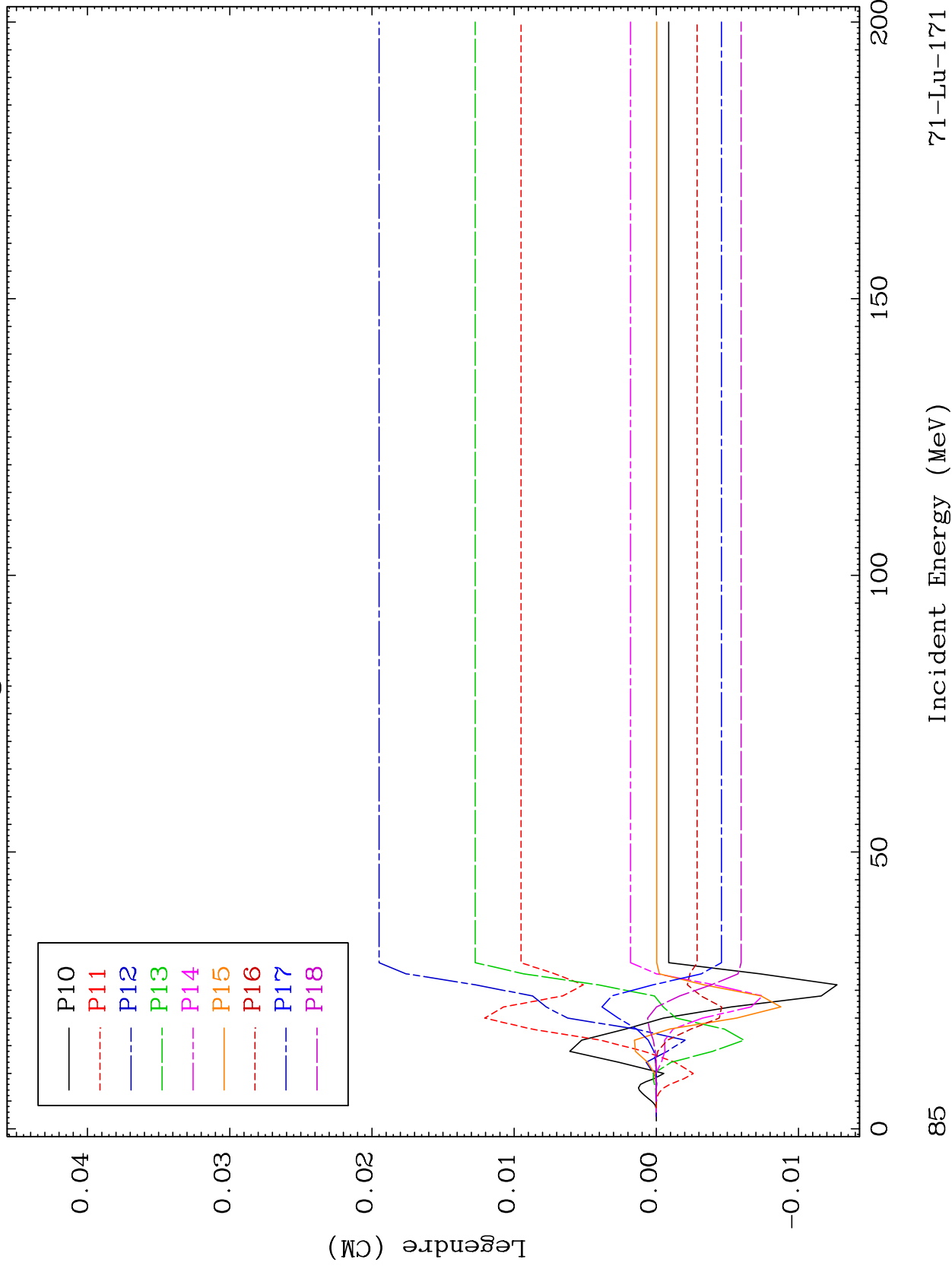




MAT 7113

519.3 keV (n,n') Level  
Legendre Coefficients

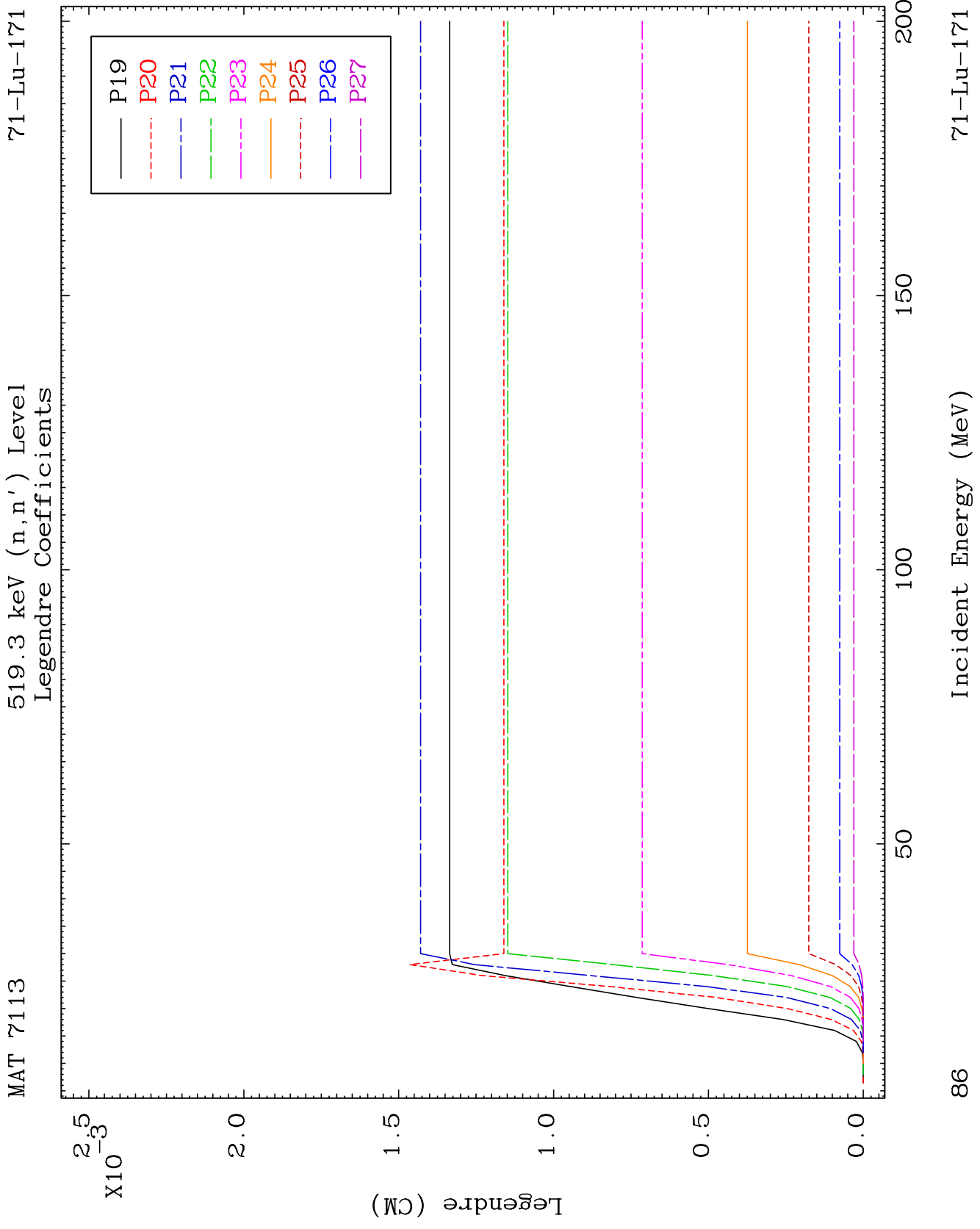
71-Lu-171



71-Lu-171

Incident Energy (MeV)

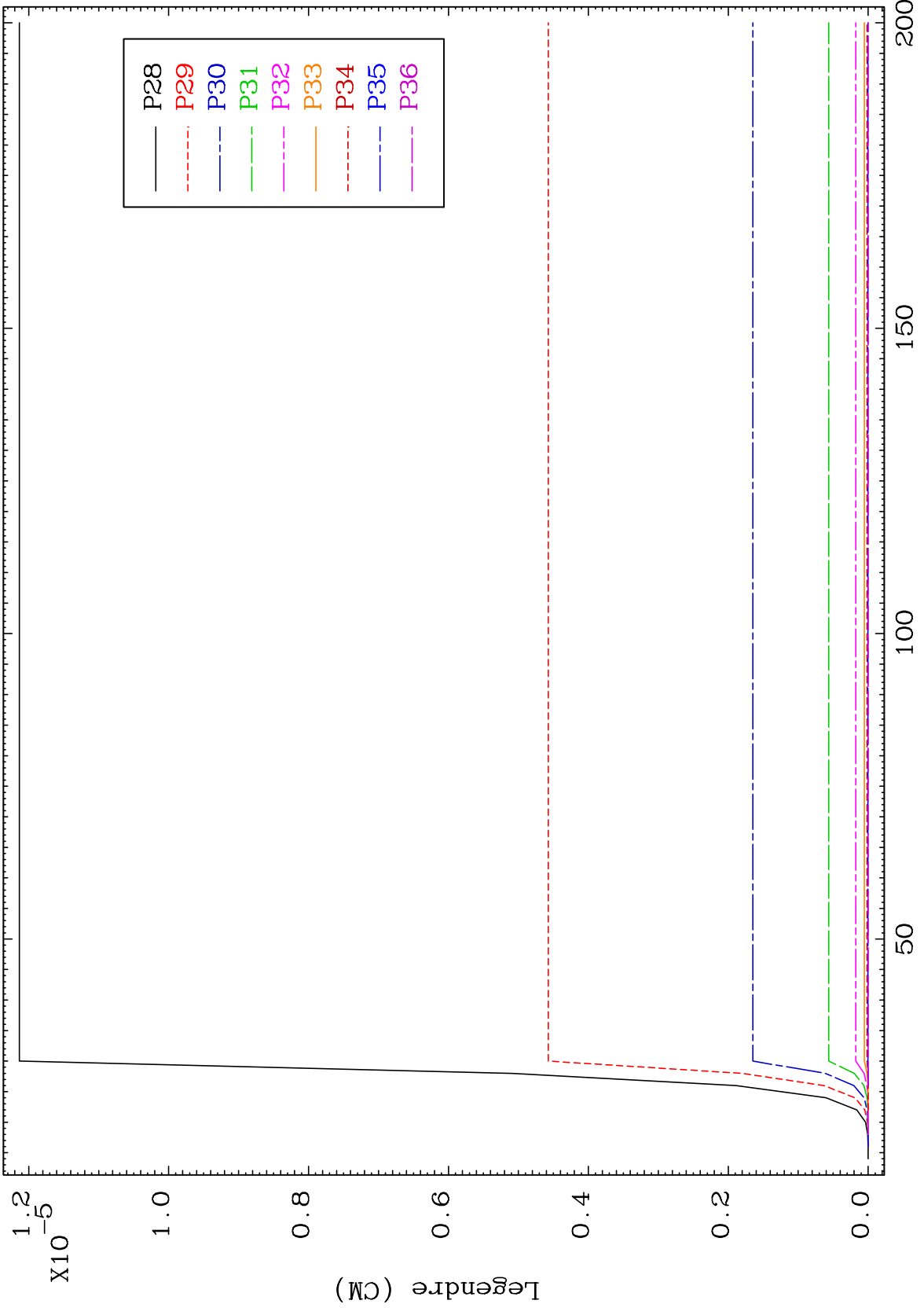
85



MAT 7113

519.3 keV (n,n') Level  
Legendre Coefficients

71-Lu-171



87

Incident Energy (MeV)

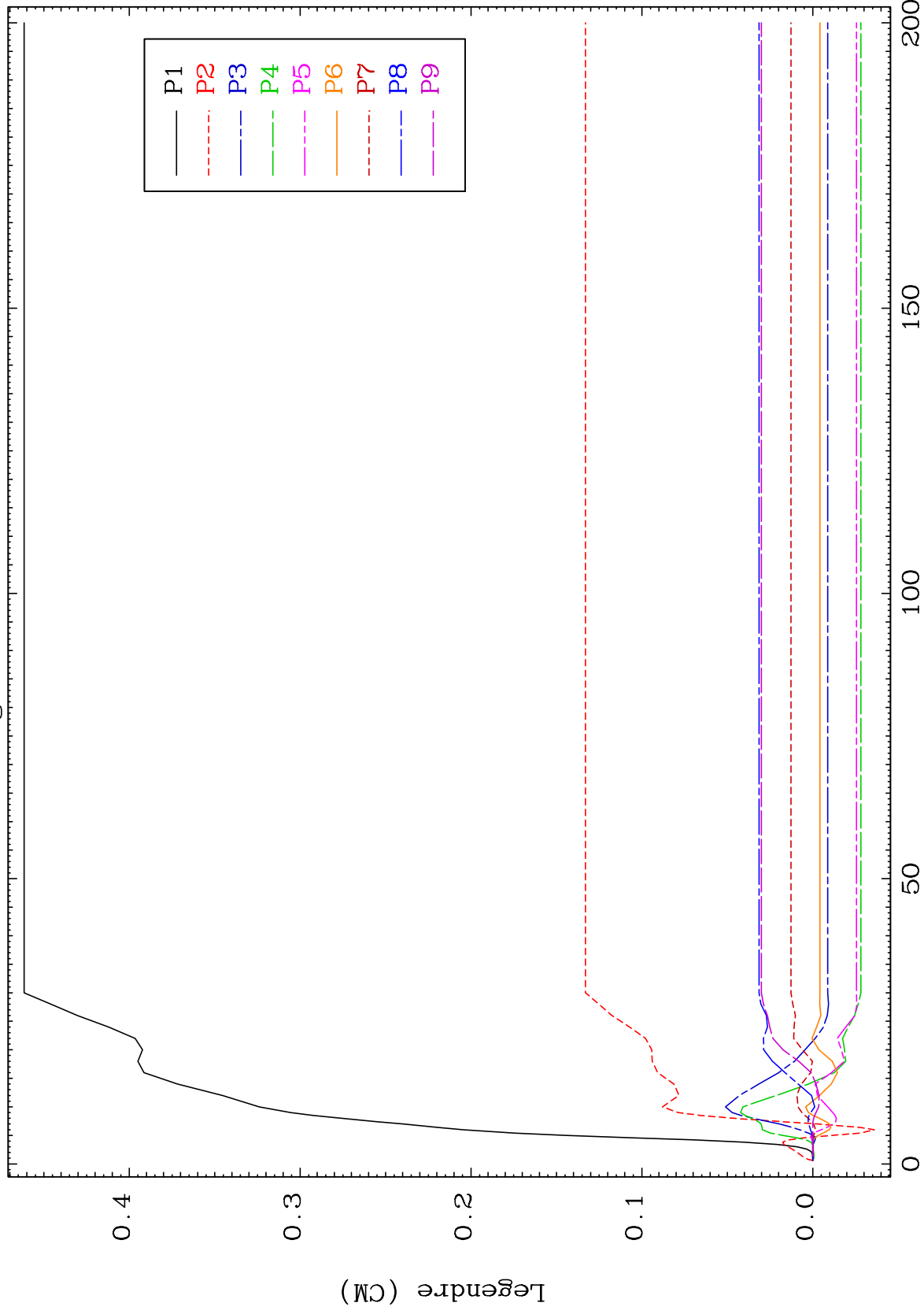
71-Lu-171



MAT 7113

558.9 keV (n, n') Level  
Legendre Coefficients

71-Lu-171



88

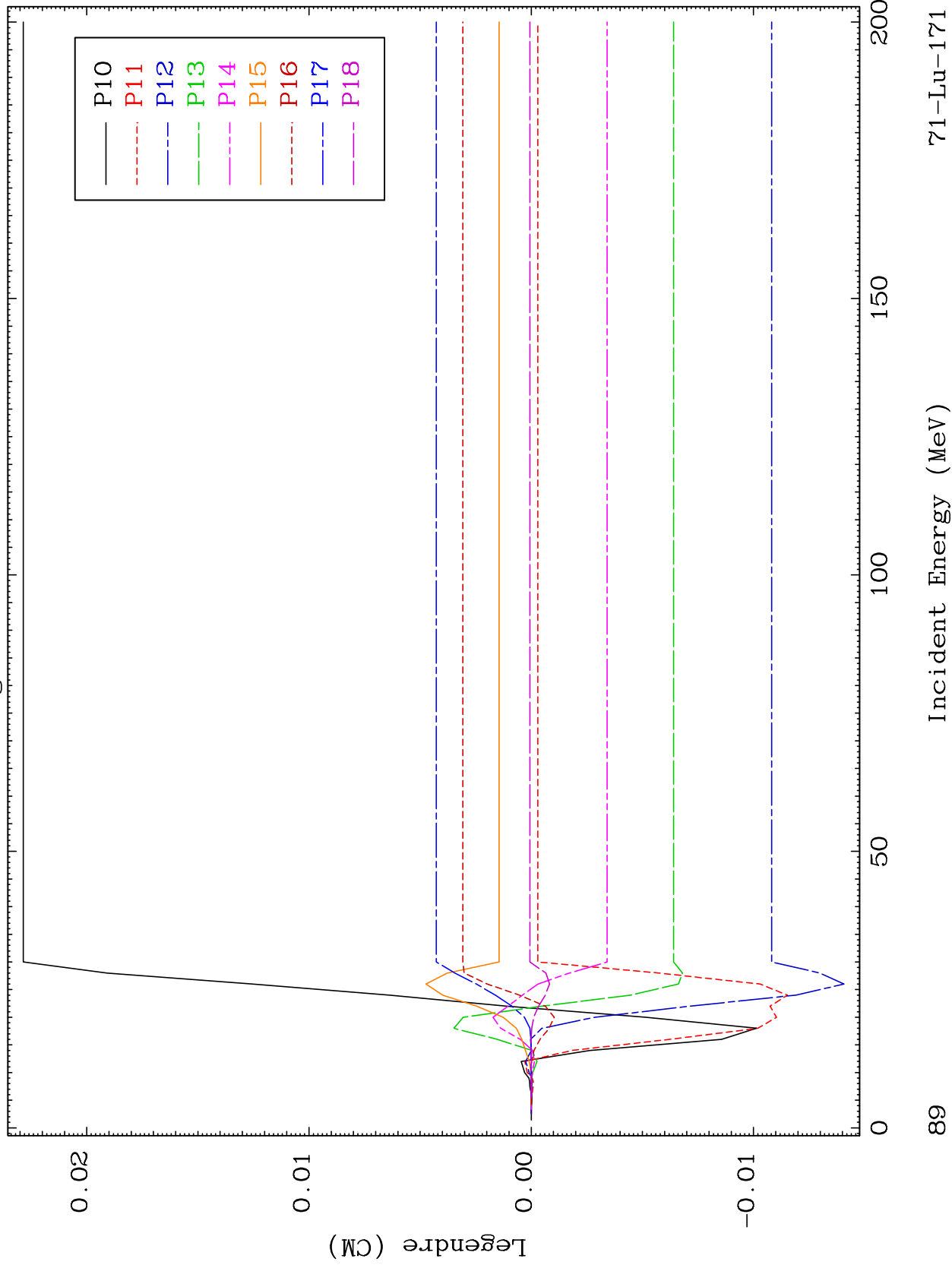
Incident Energy (MeV)

71-Lu-171

MAT 7113

558.9 keV (n,n') Level  
Legendre Coefficients

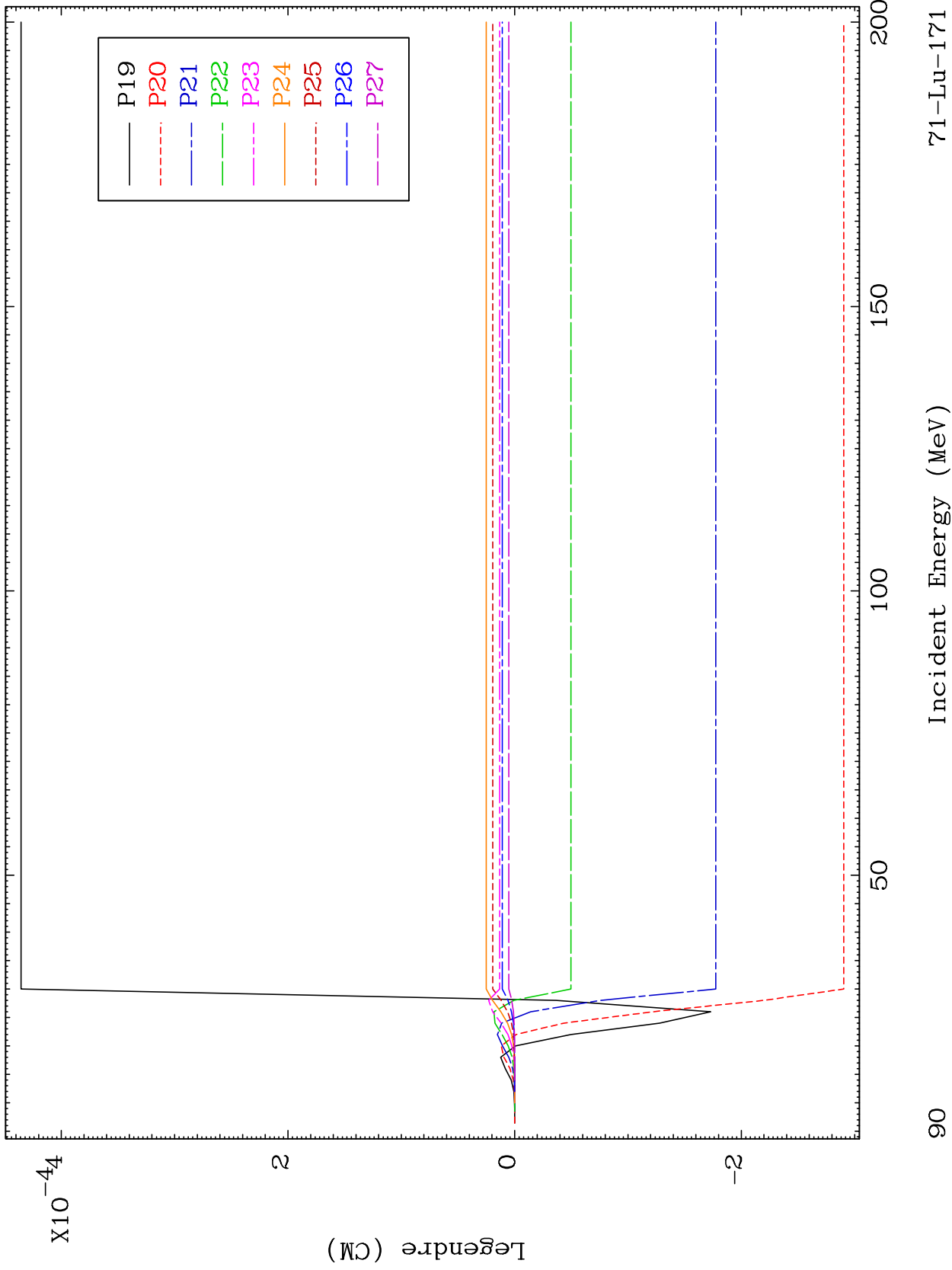
71-Lu-171



MAT 7113

558.9 keV (n,n') Level  
Legendre Coefficients

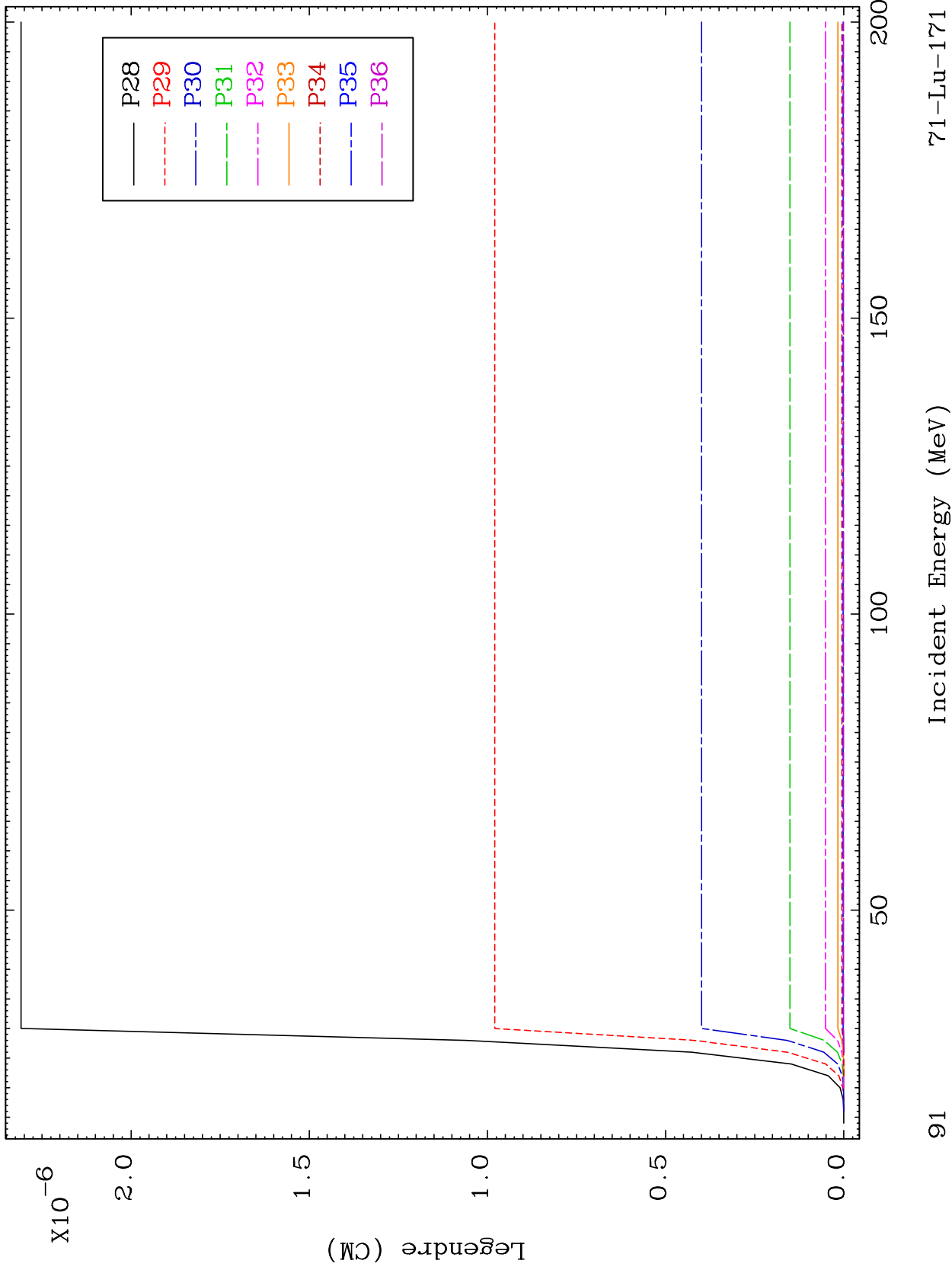
71-Lu-171



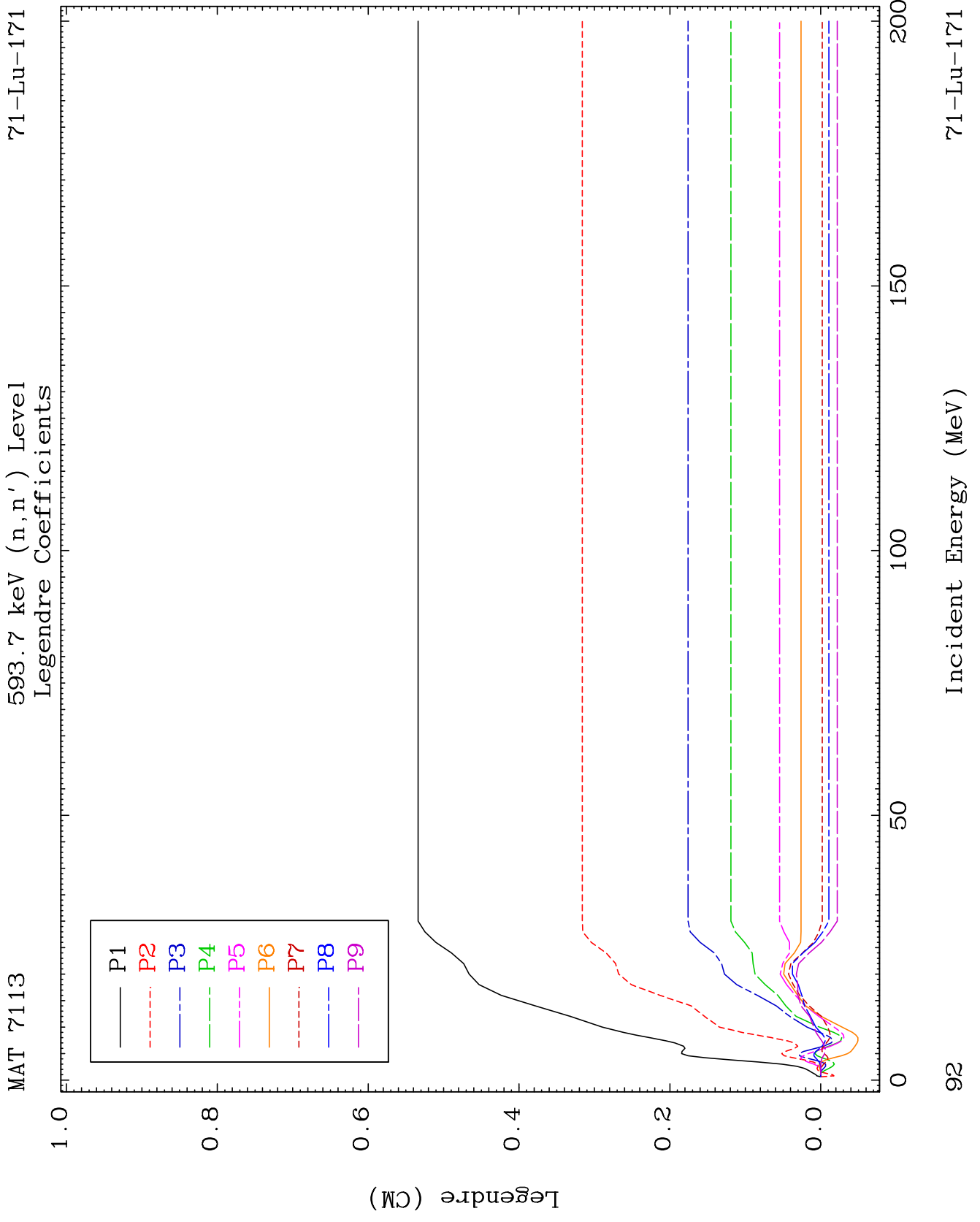
MAT 7113

558.9 keV (n, n') Level  
Legendre Coefficients

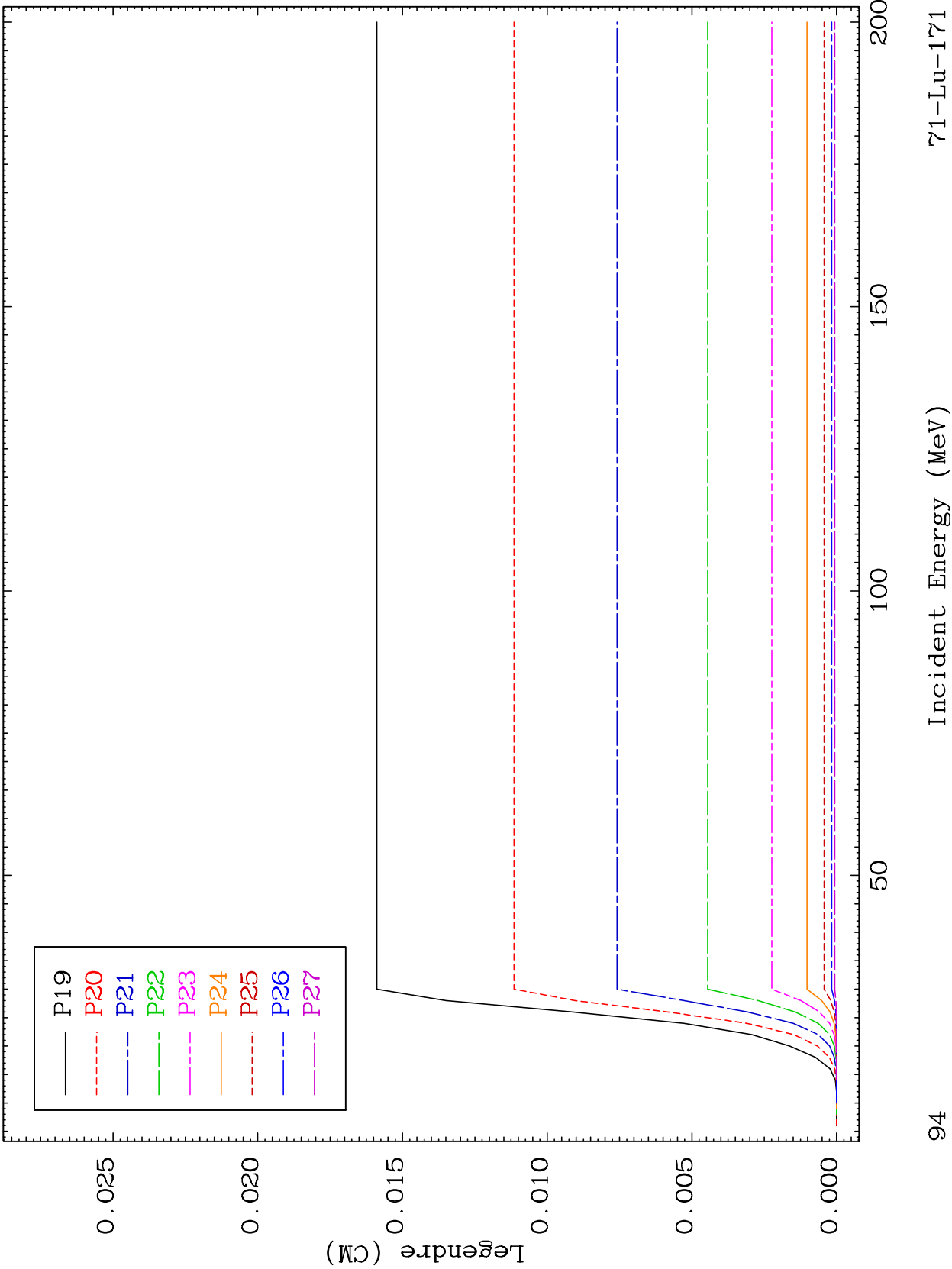
71-Lu-171

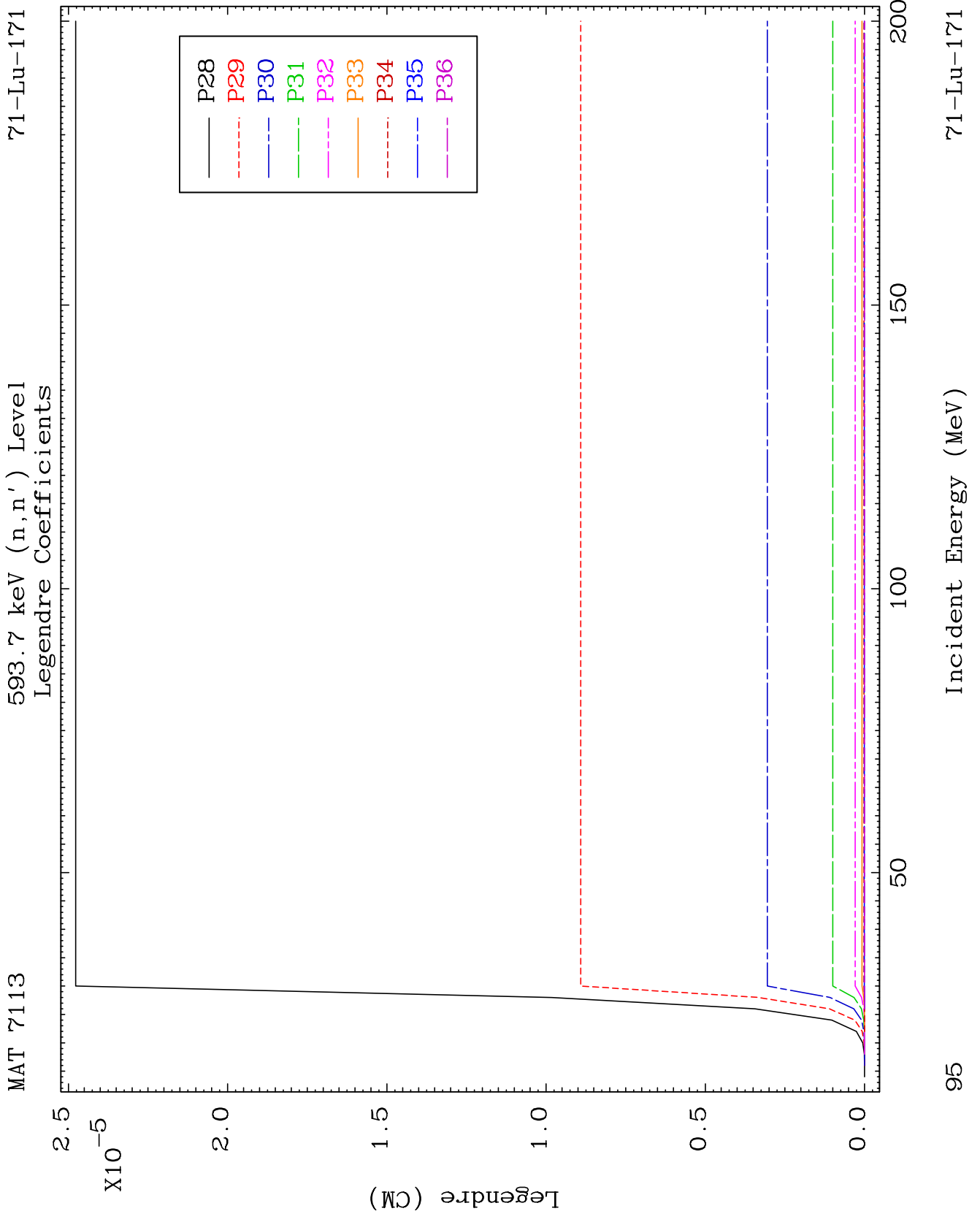


91











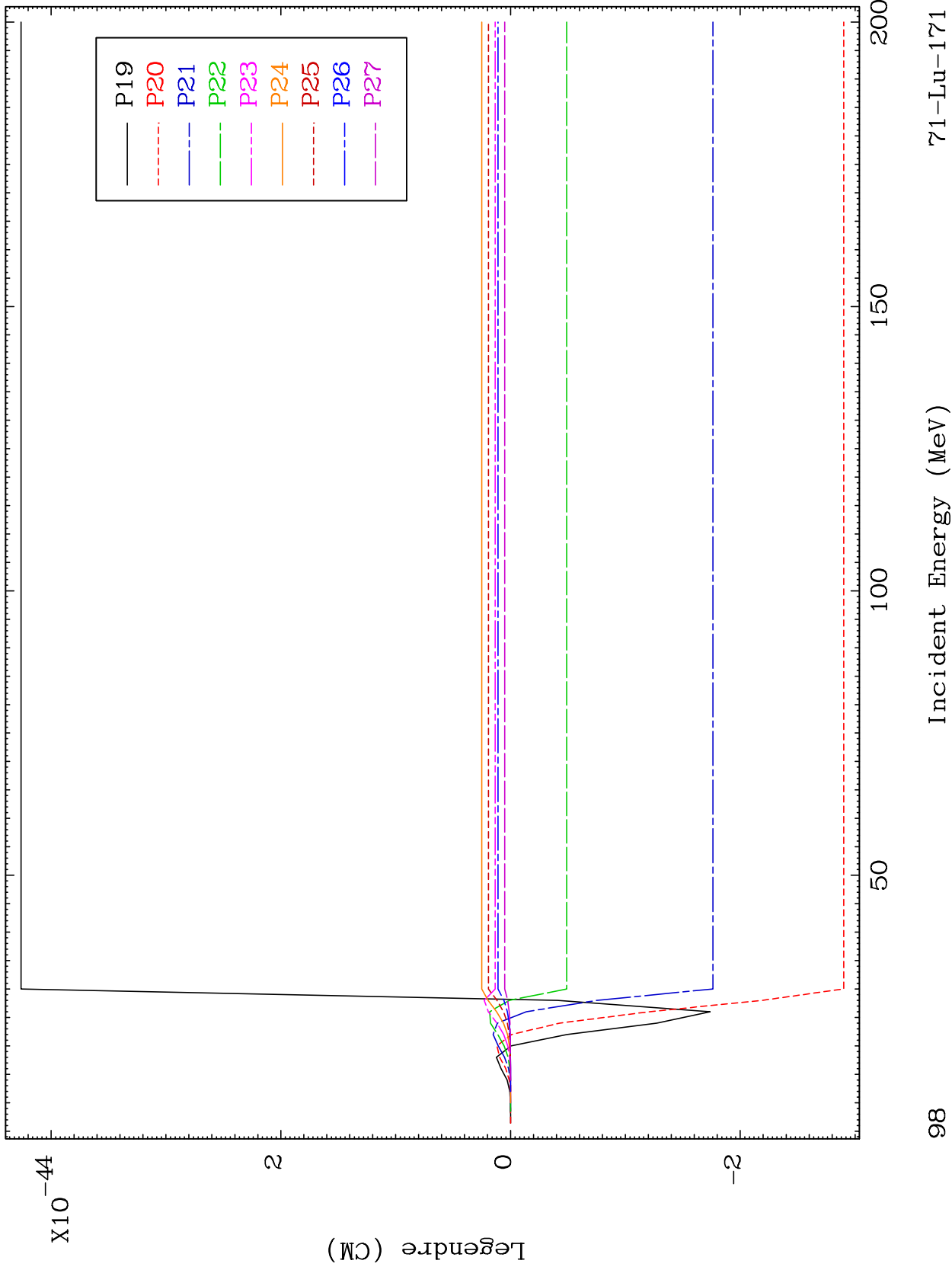


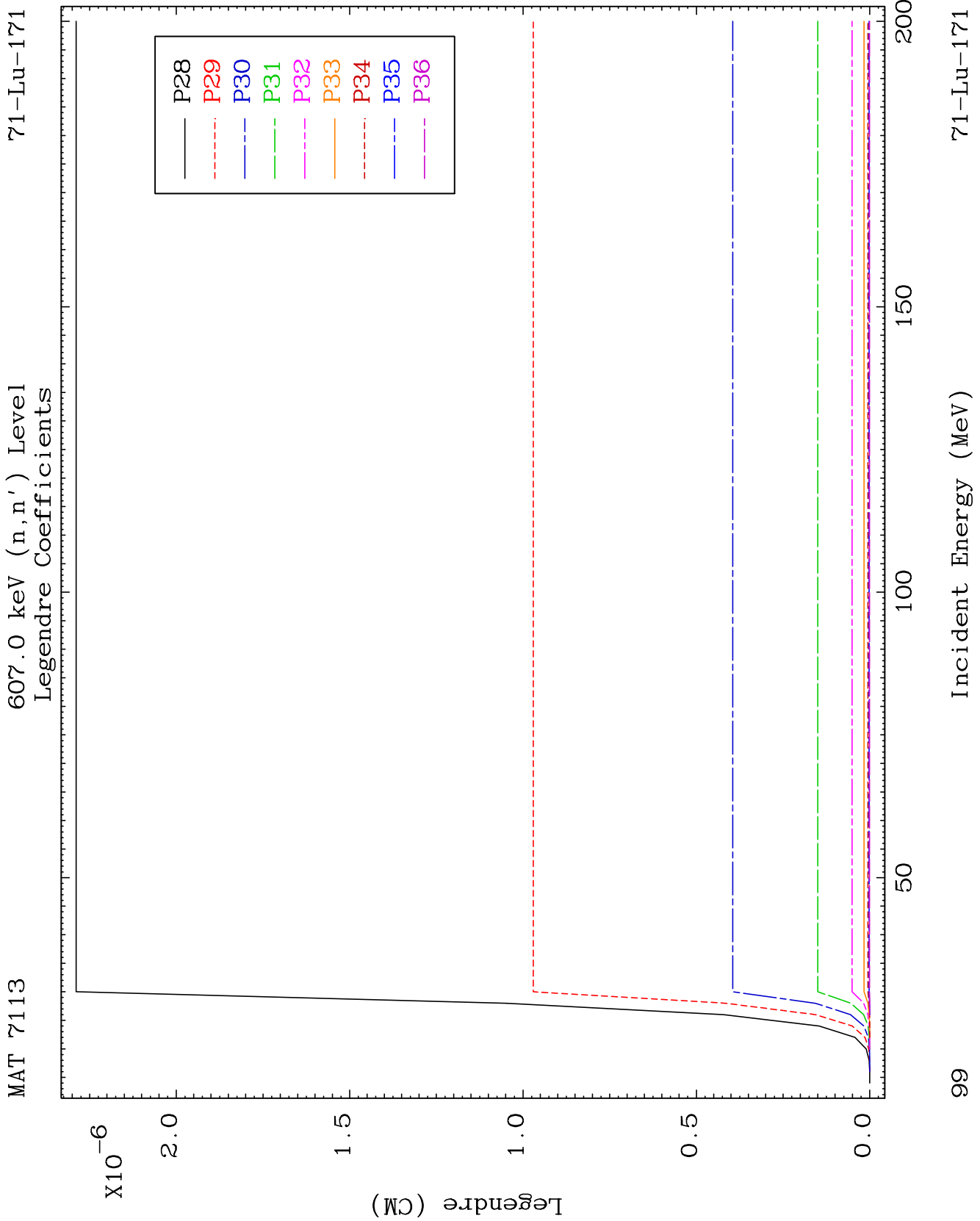


MAT 7113

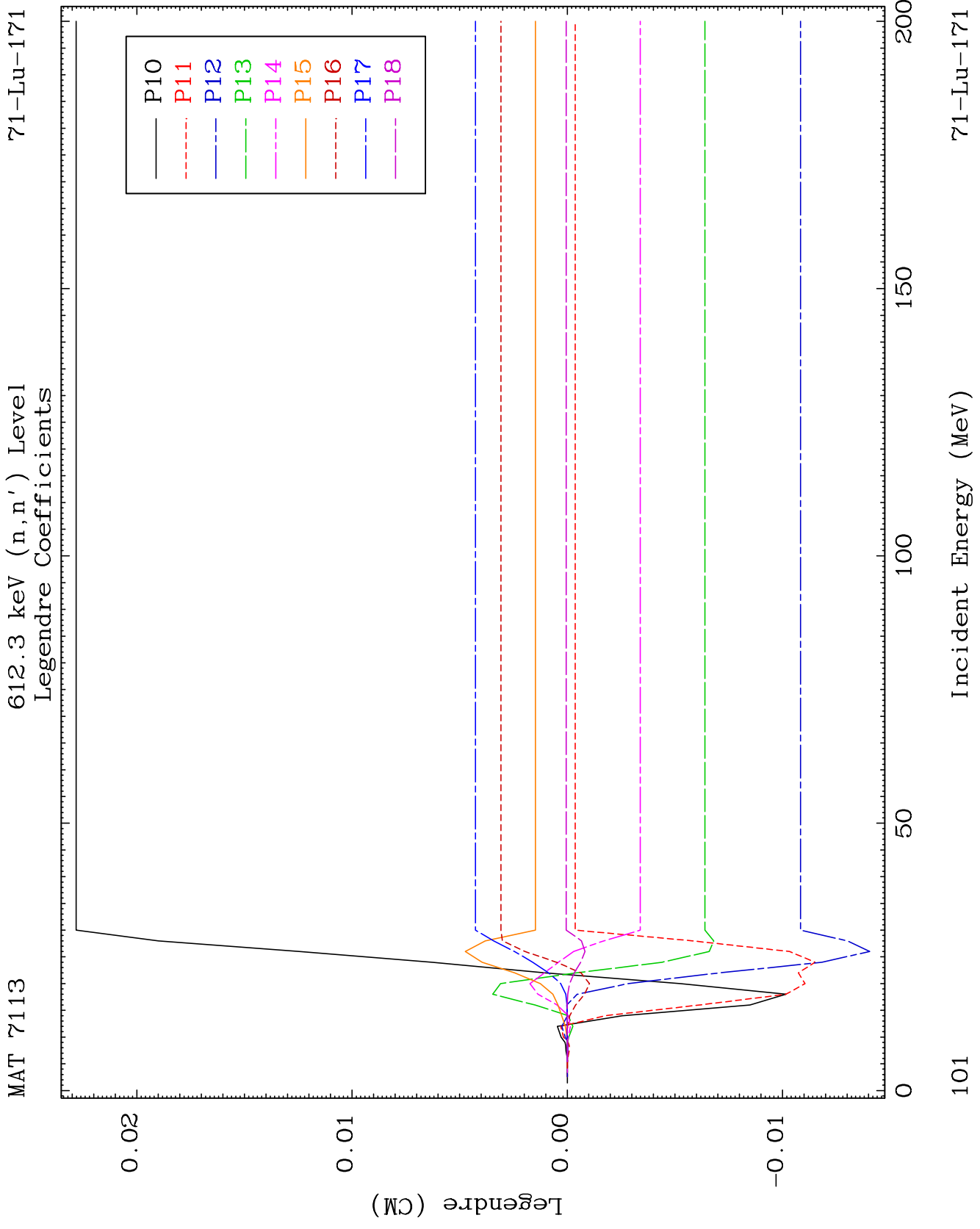
607.0 keV (n,n') Level  
Legendre Coefficients

71-Lu-171





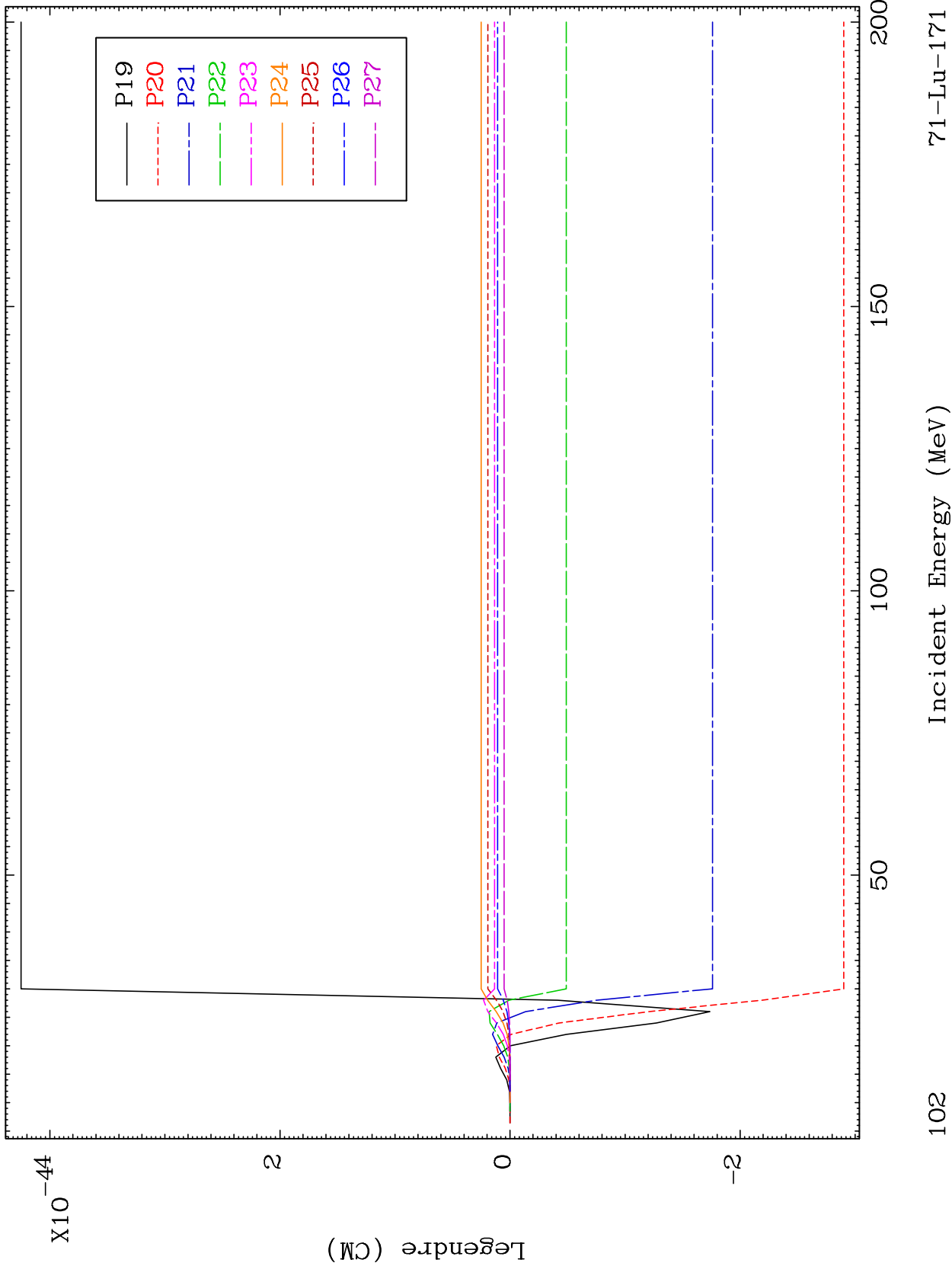




MAT 7113

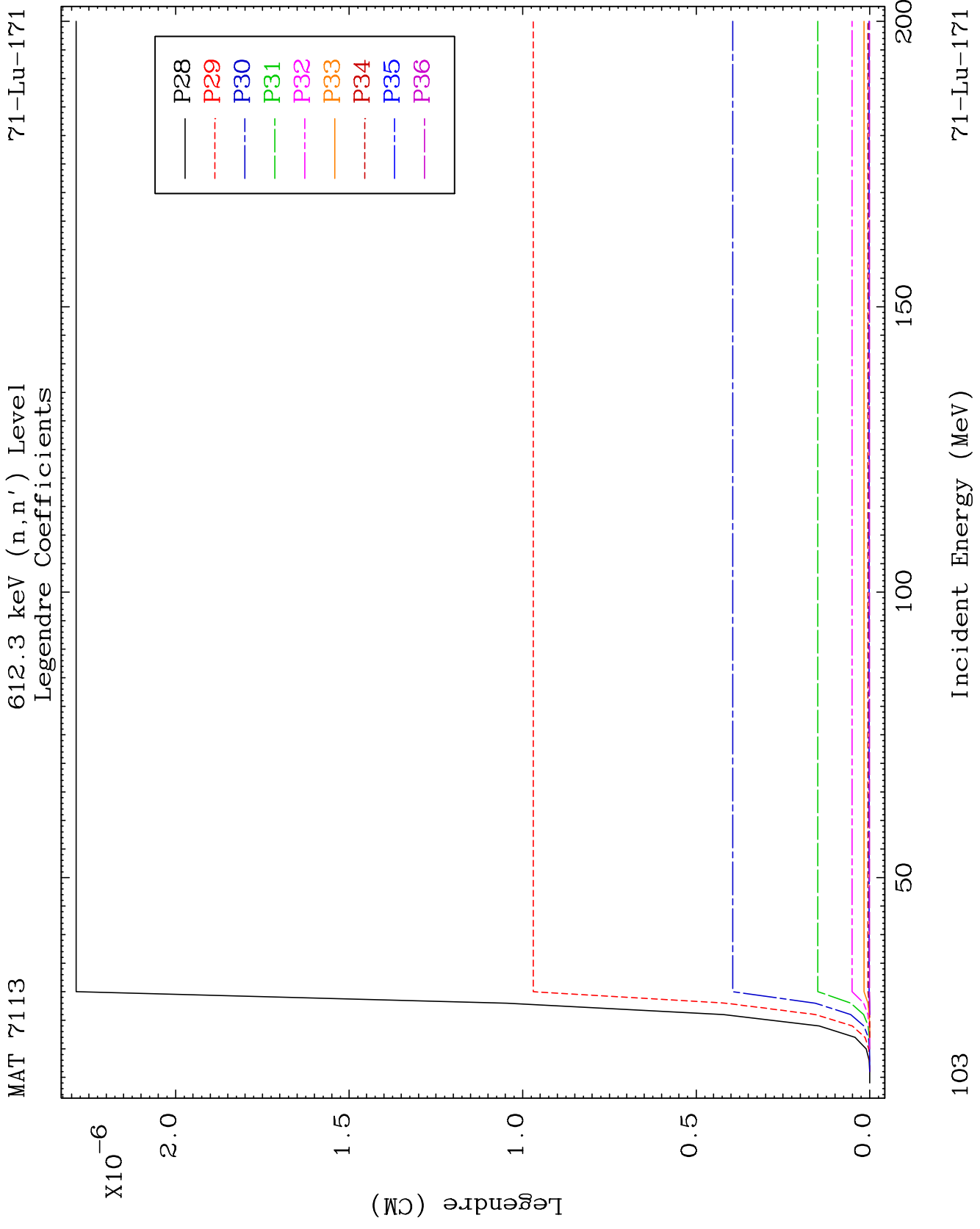
612.3 keV (n, n') Level  
Legendre Coefficients

71-Lu-171

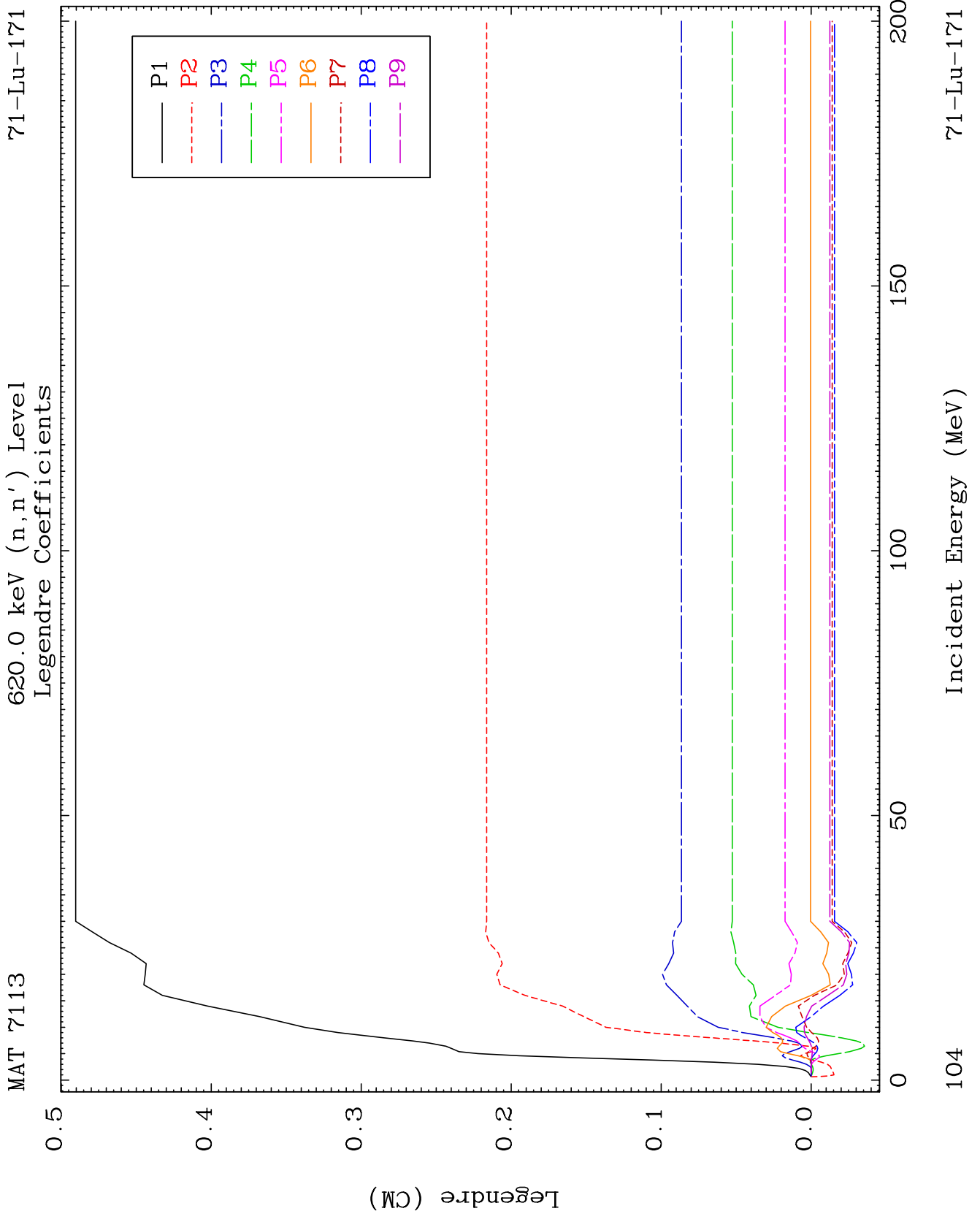


102

71-Lu-171



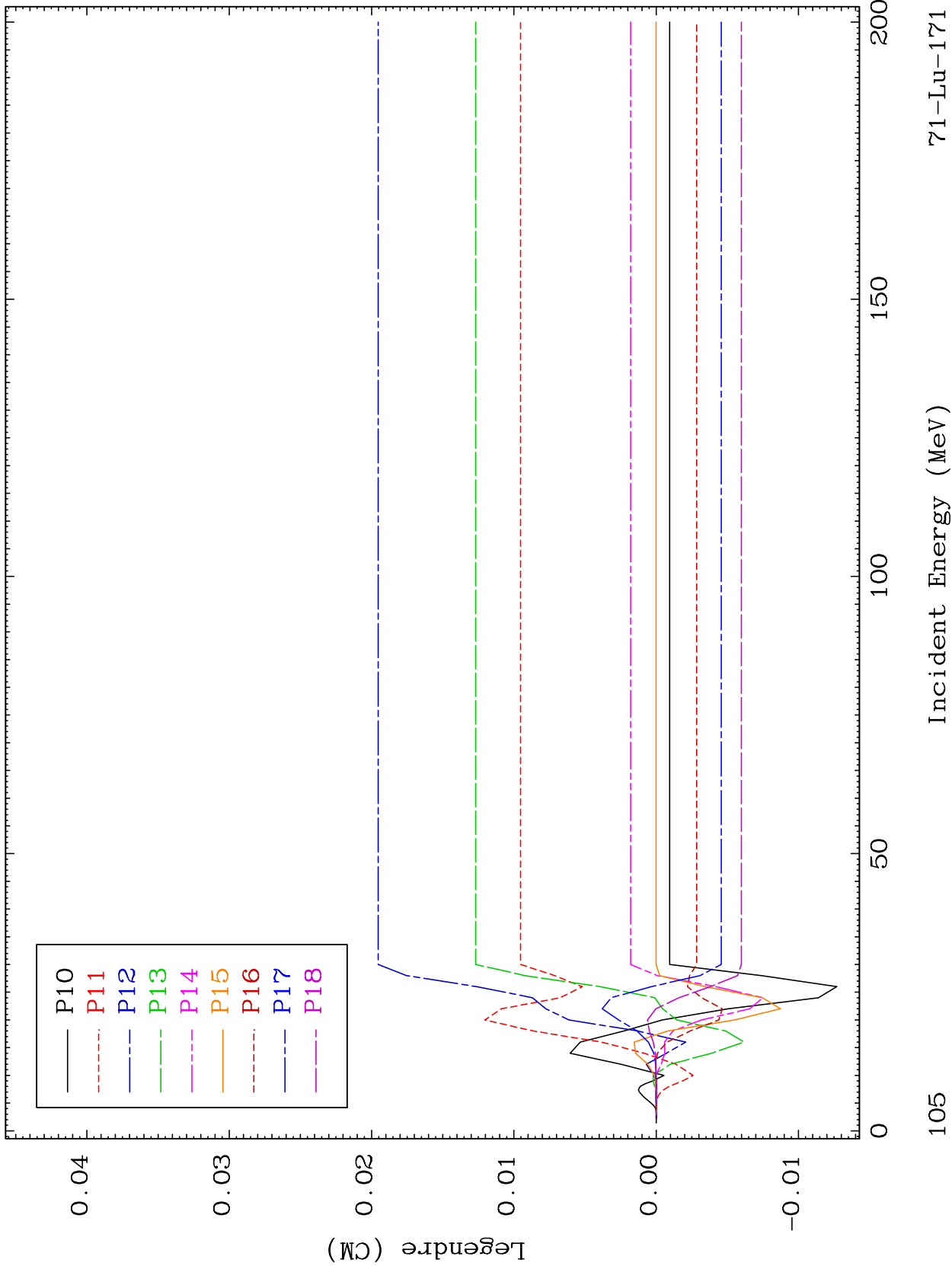




MAT 7113

620.0 keV (n,n') Level  
Legendre Coefficients

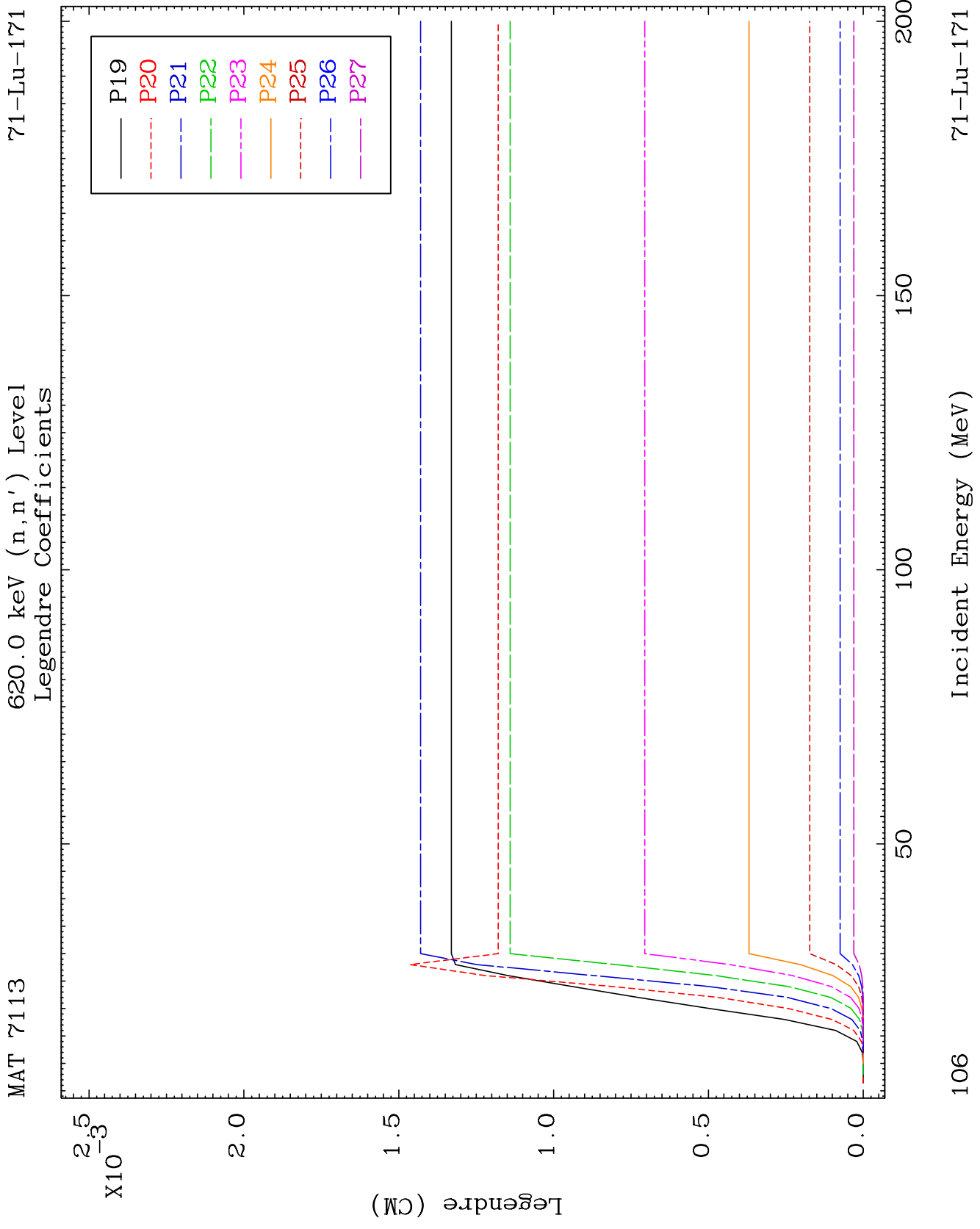
71-Lu-171

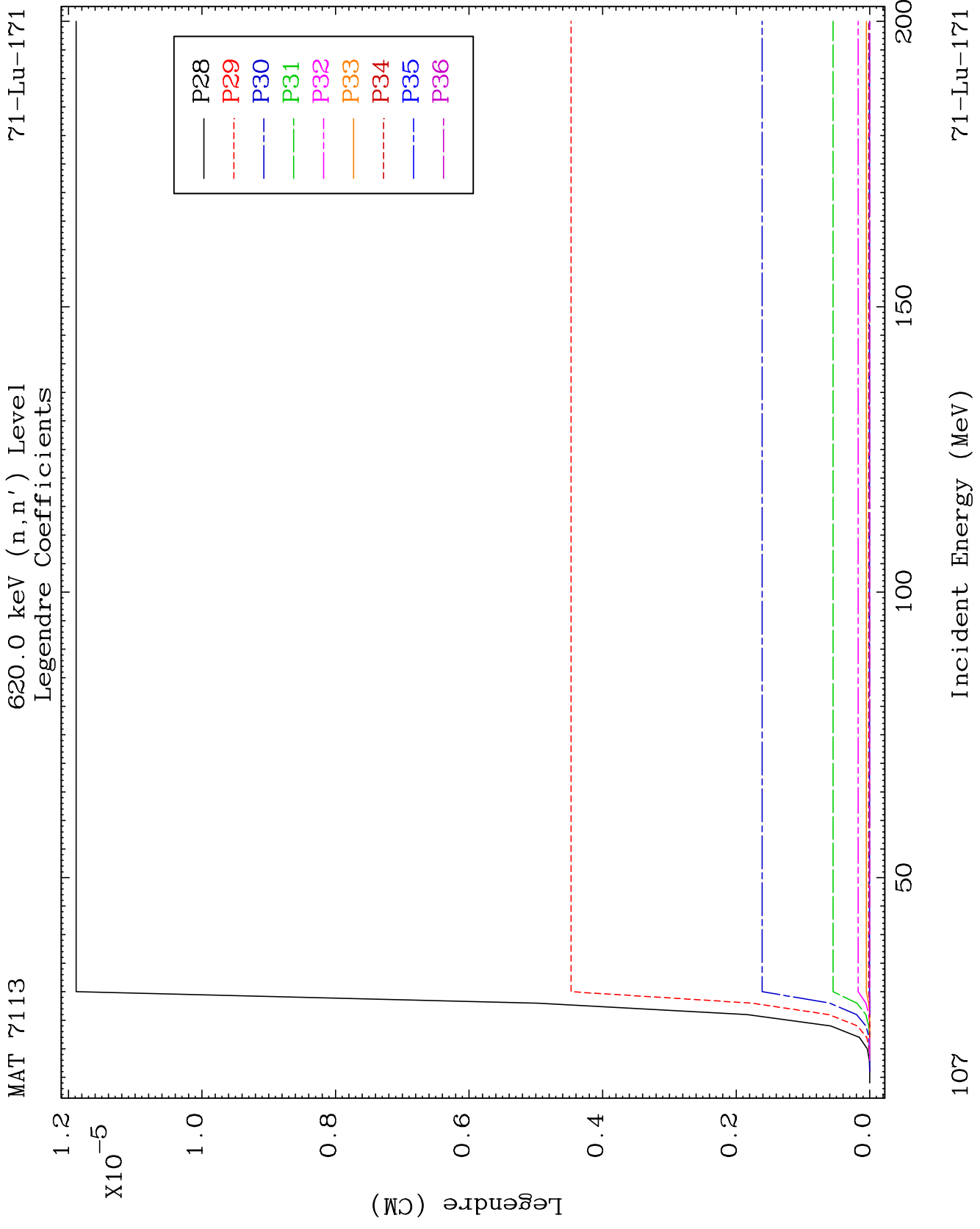


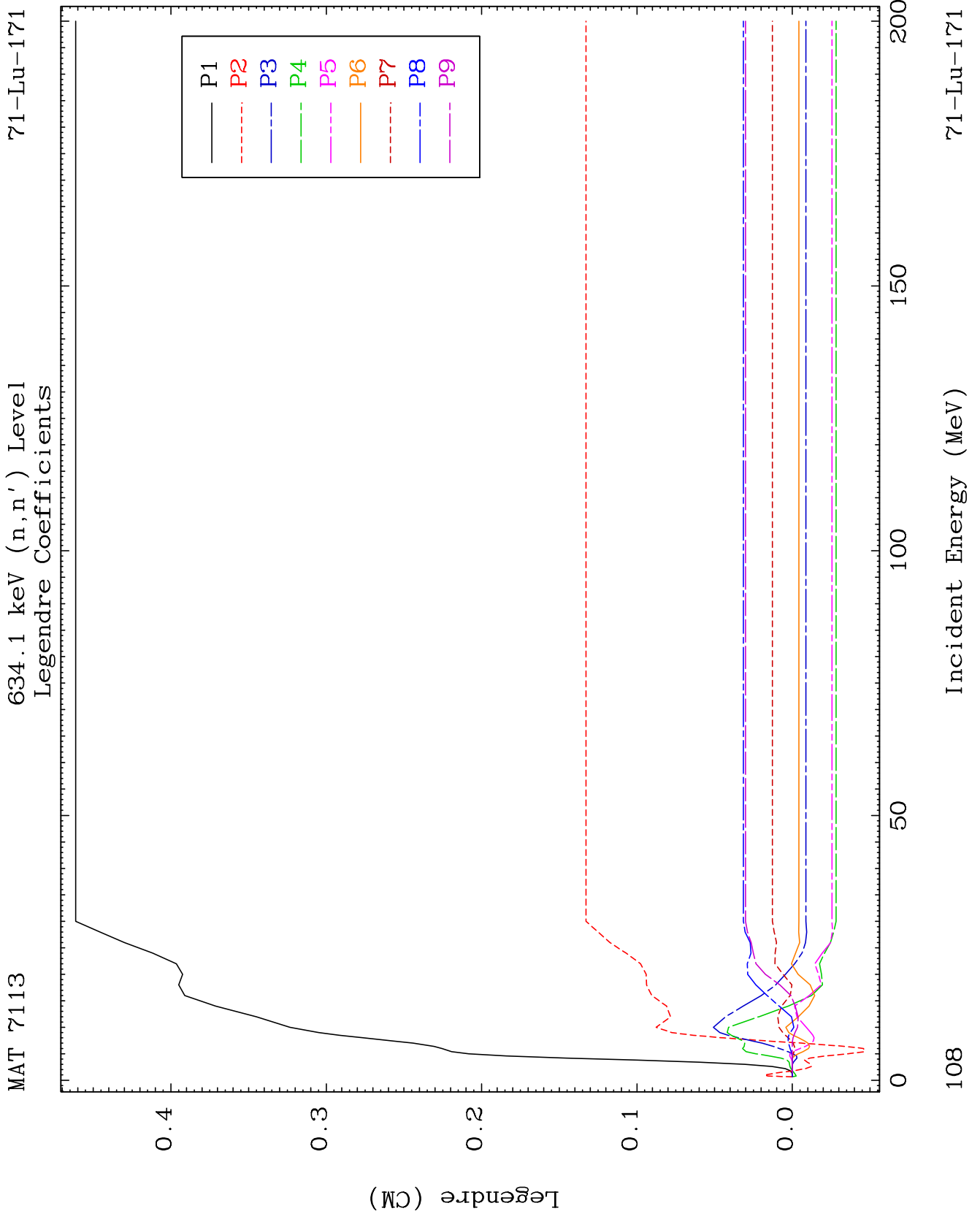
71-Lu-171

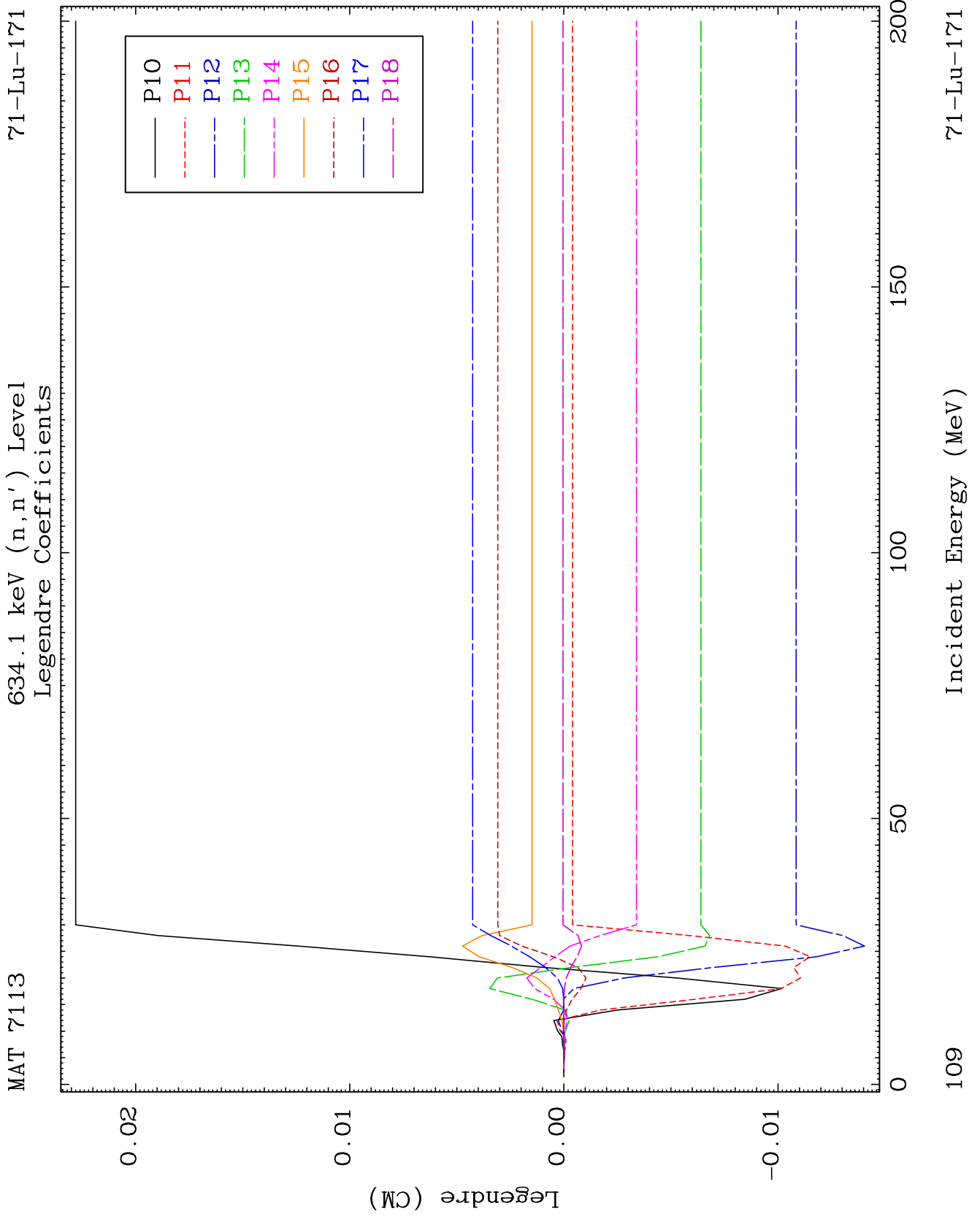
Incident Energy (MeV)

105





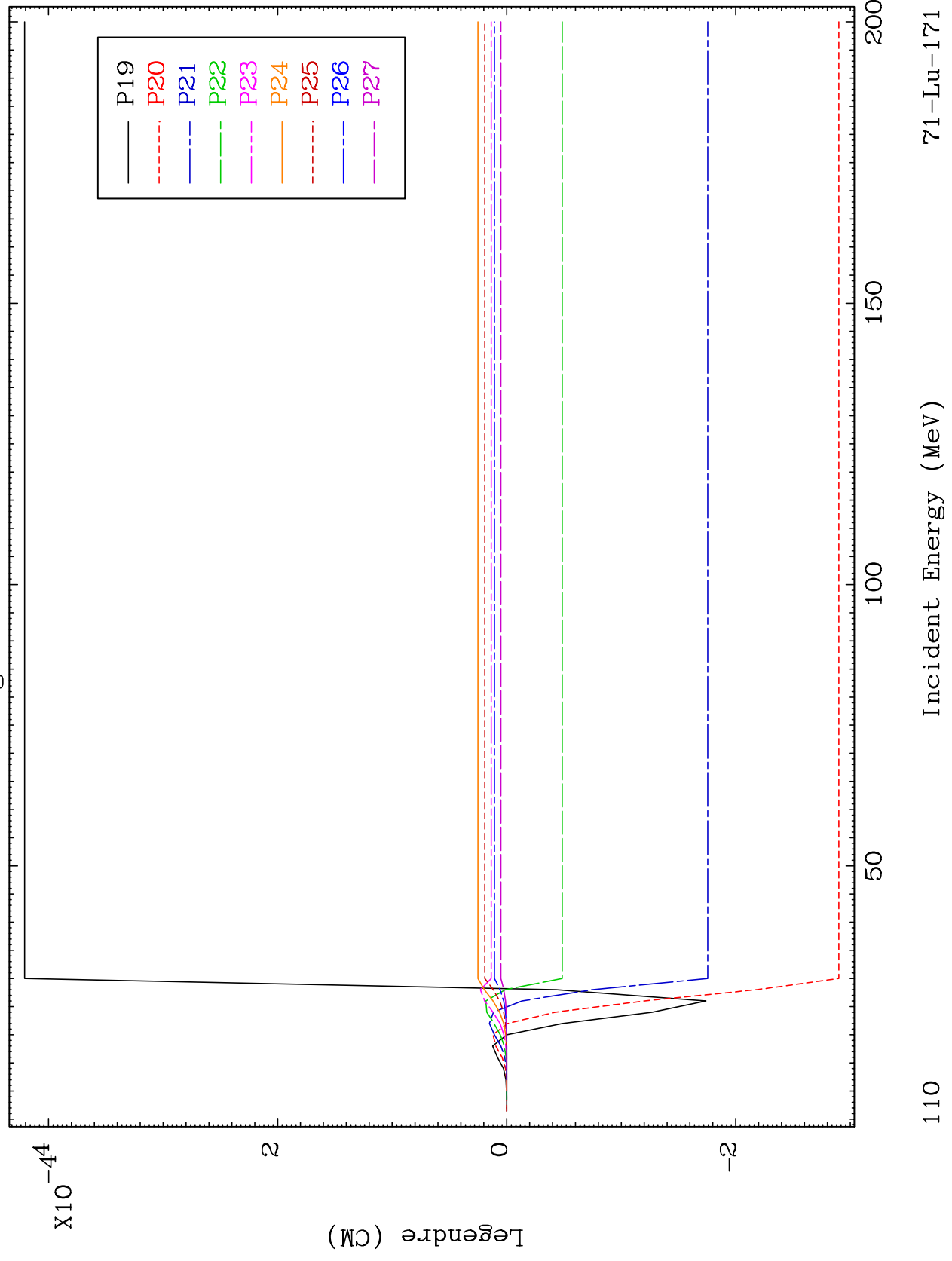




MAT 7113

634.1 keV (n, n') Level  
Legendre Coefficients

71-Lu-171



110

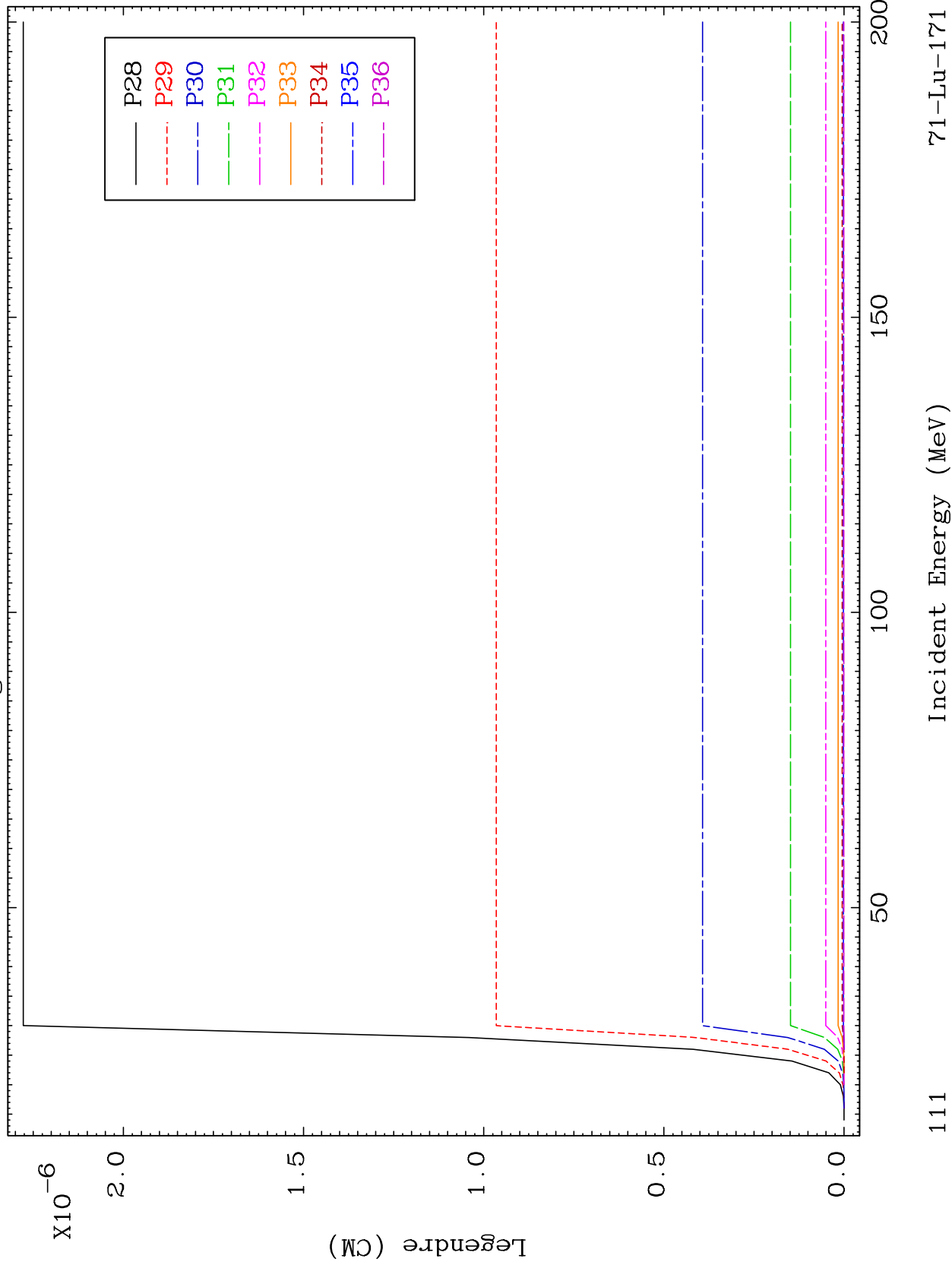
Incident Energy (MeV)

71-Lu-171

MAT 7113

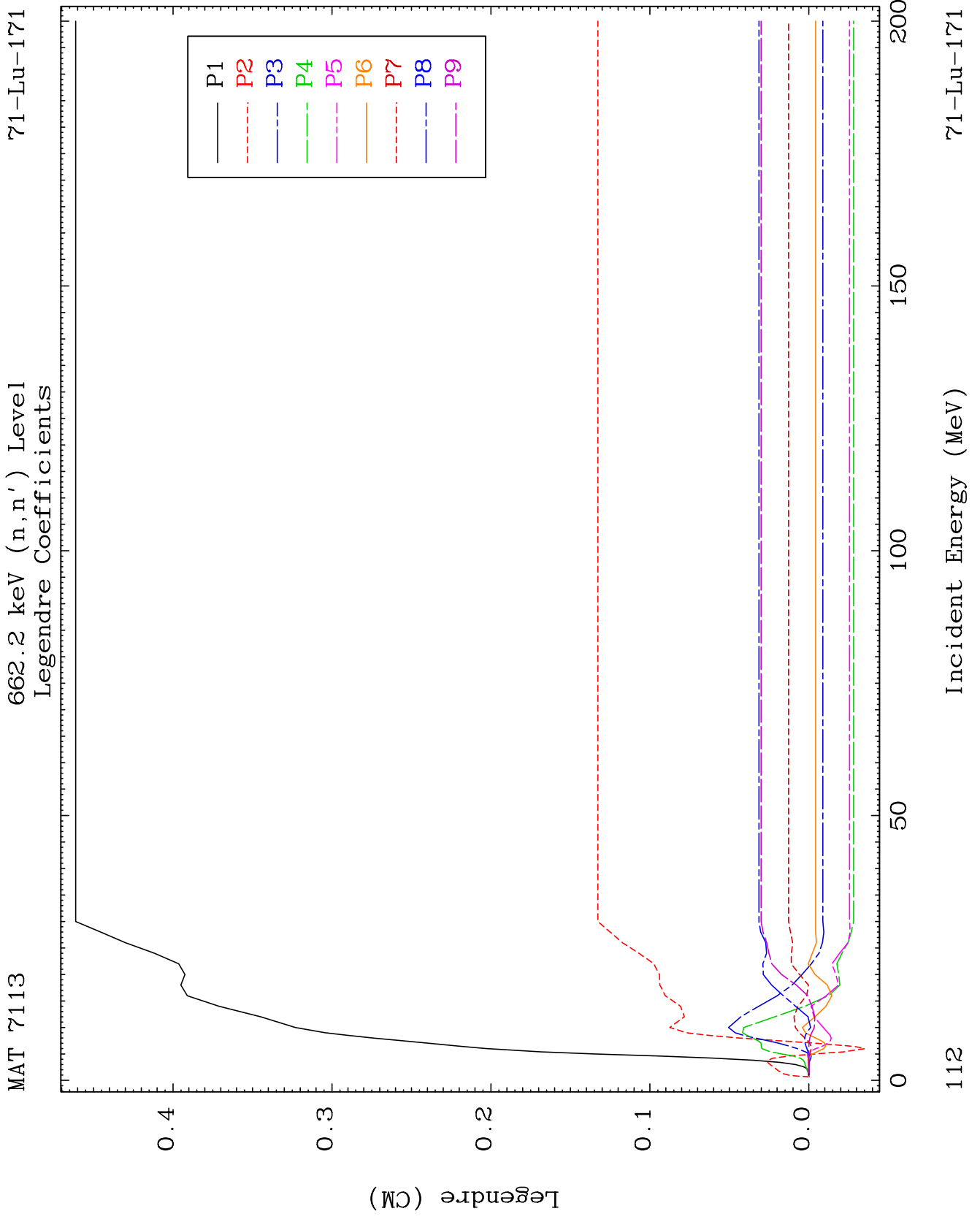
634.1 keV (n, n') Level  
Legendre Coefficients

71-Lu-171



111

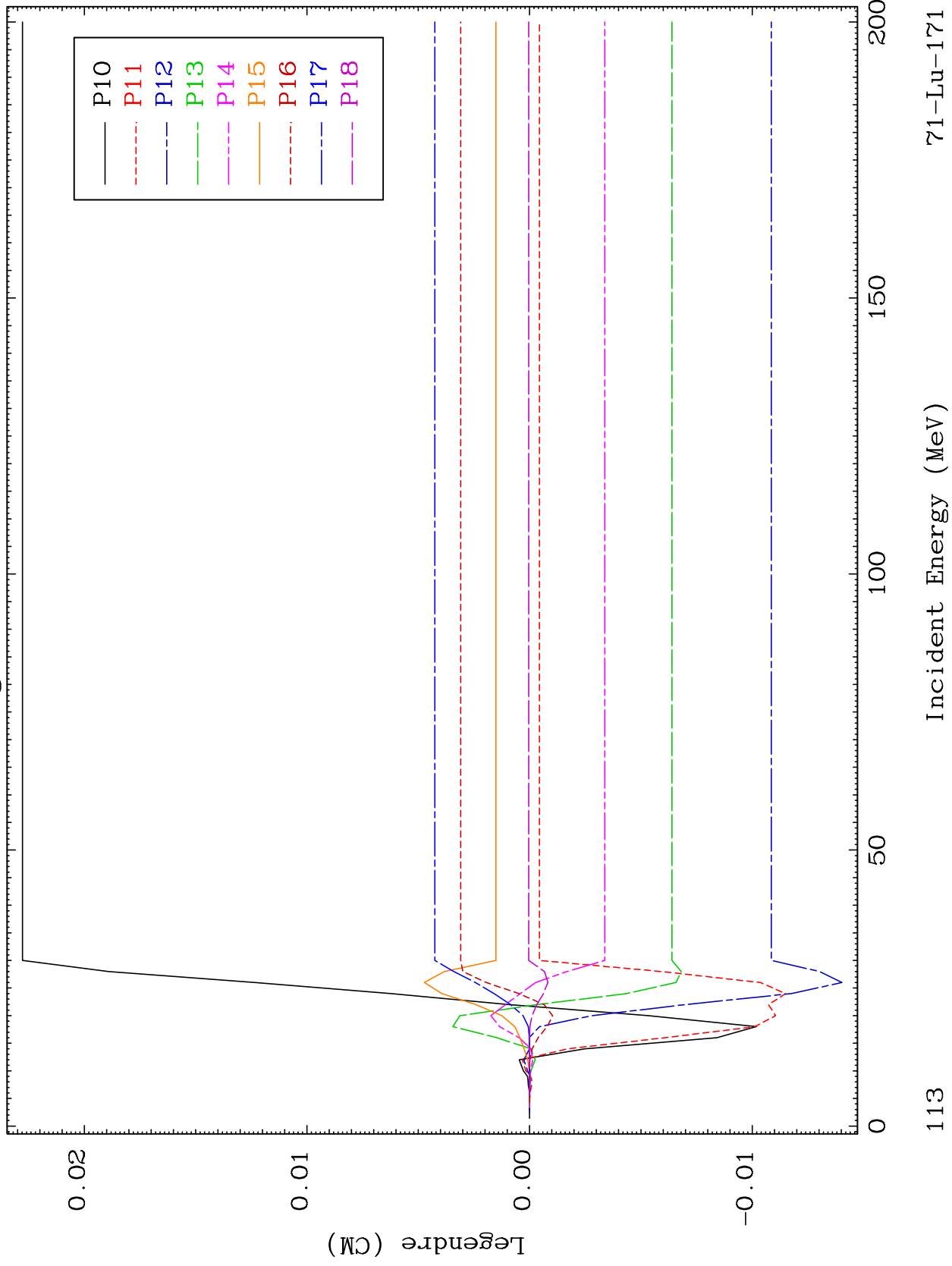




MAT 7113

662.2 keV (n,n') Level Legendre Coefficients

71-Lu-171



71-Lu-171

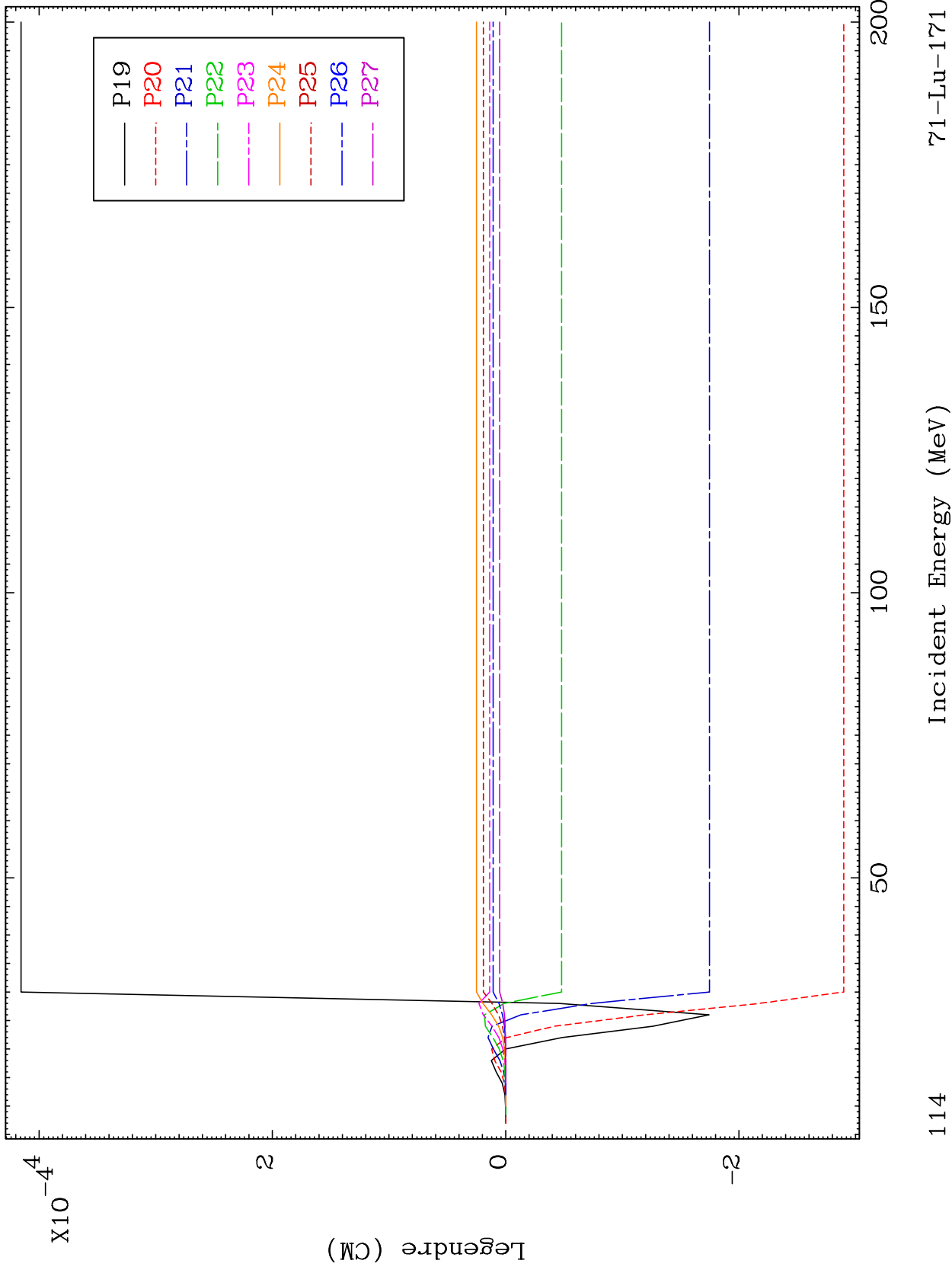
Incident Energy (MeV)

113

MAT 7113

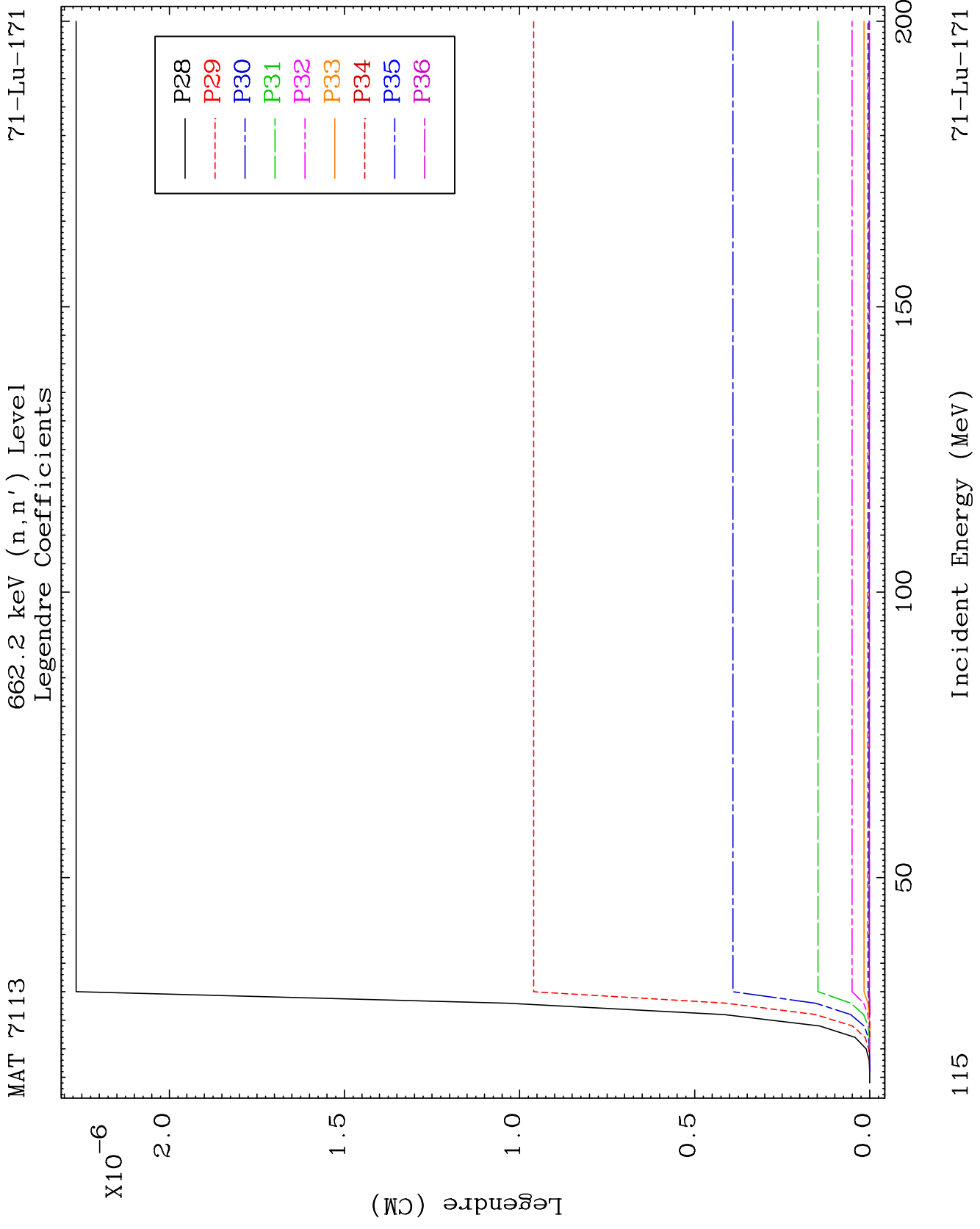
662.2 keV (n, n') Level  
Legendre Coefficients

71-Lu-171

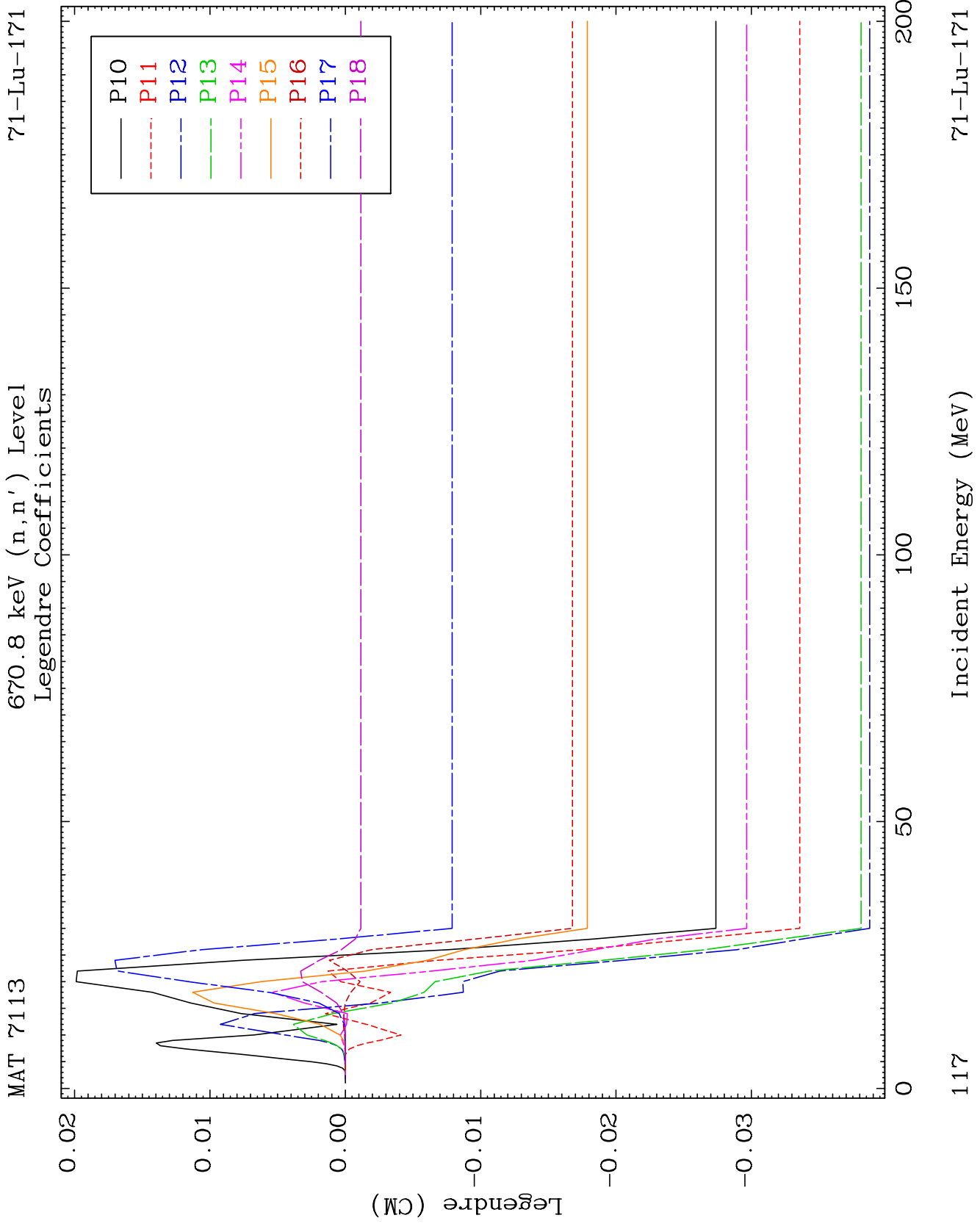


114

71-Lu-171



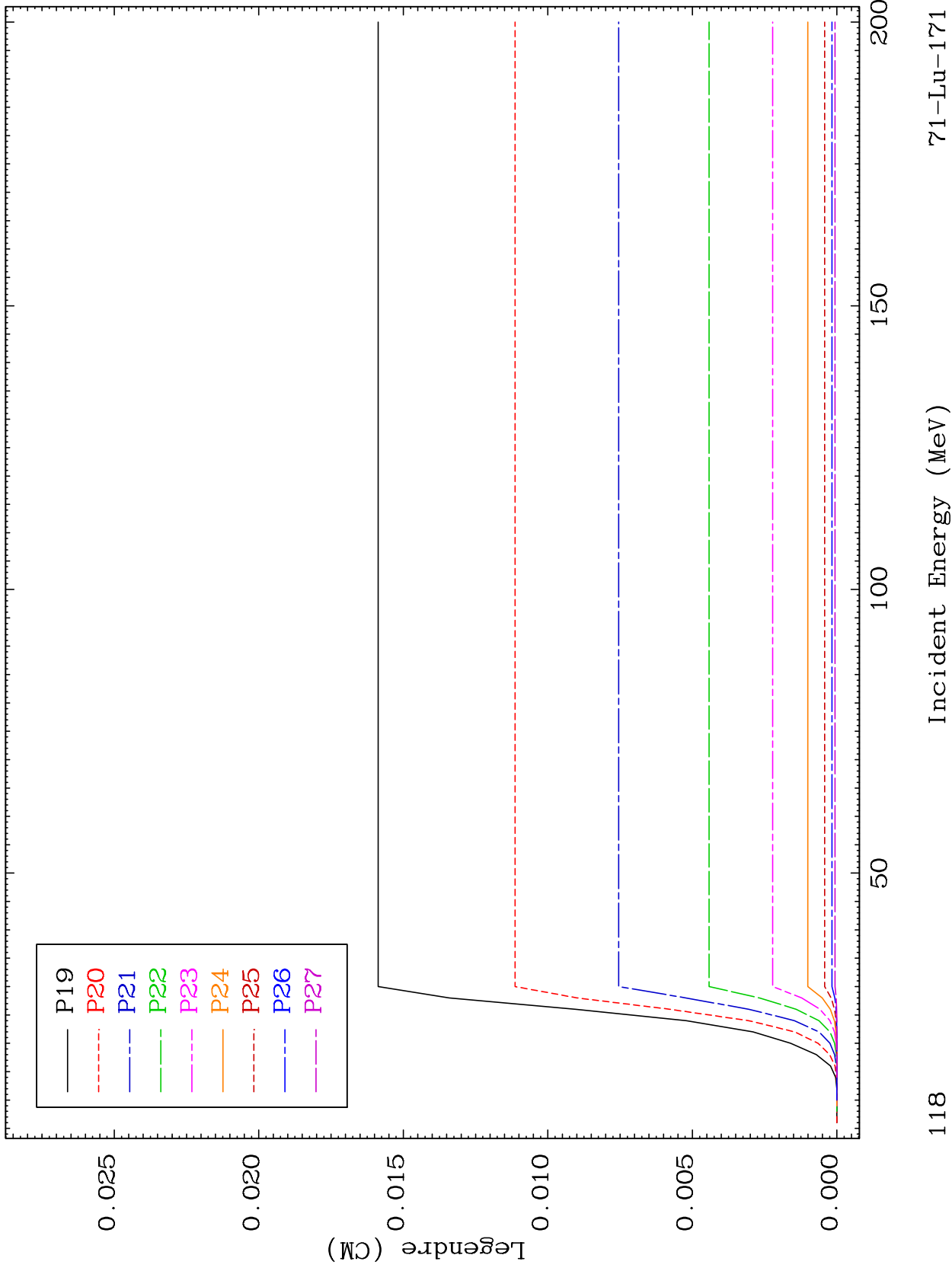




MAT 7113

670.8 keV (n, n') Level  
Legendre Coefficients

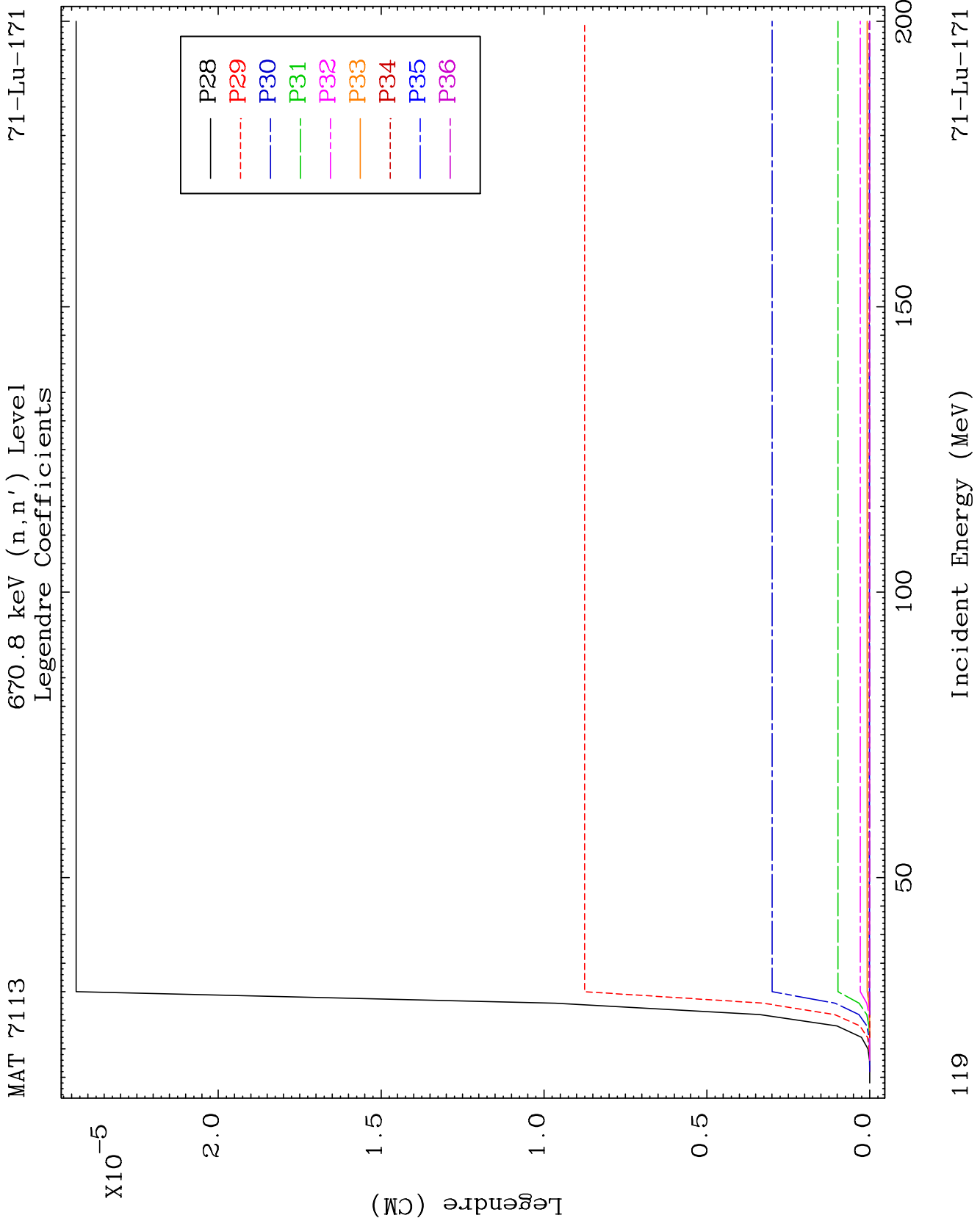
71-Lu-171



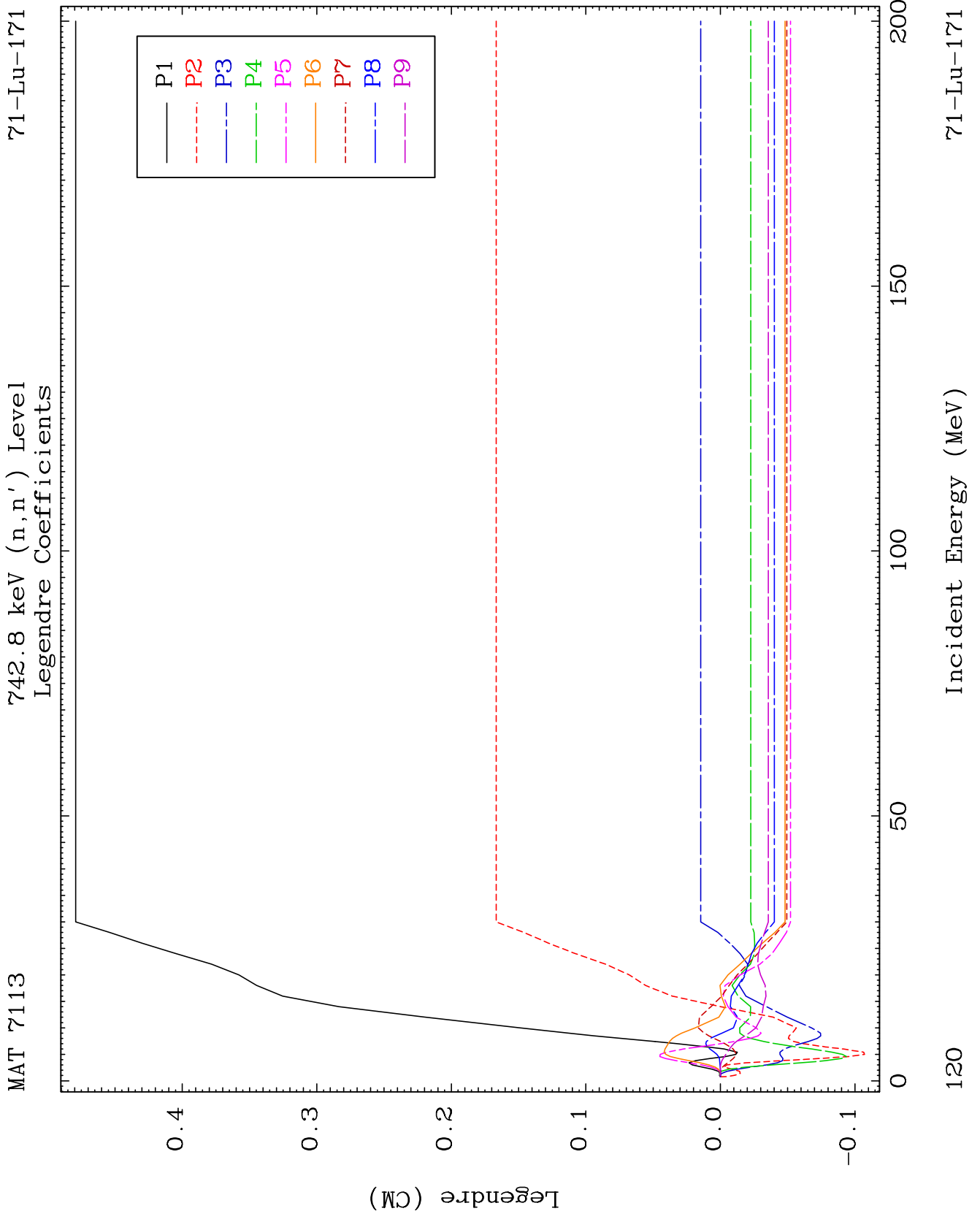
118

Incident Energy (MeV)

71-Lu-171





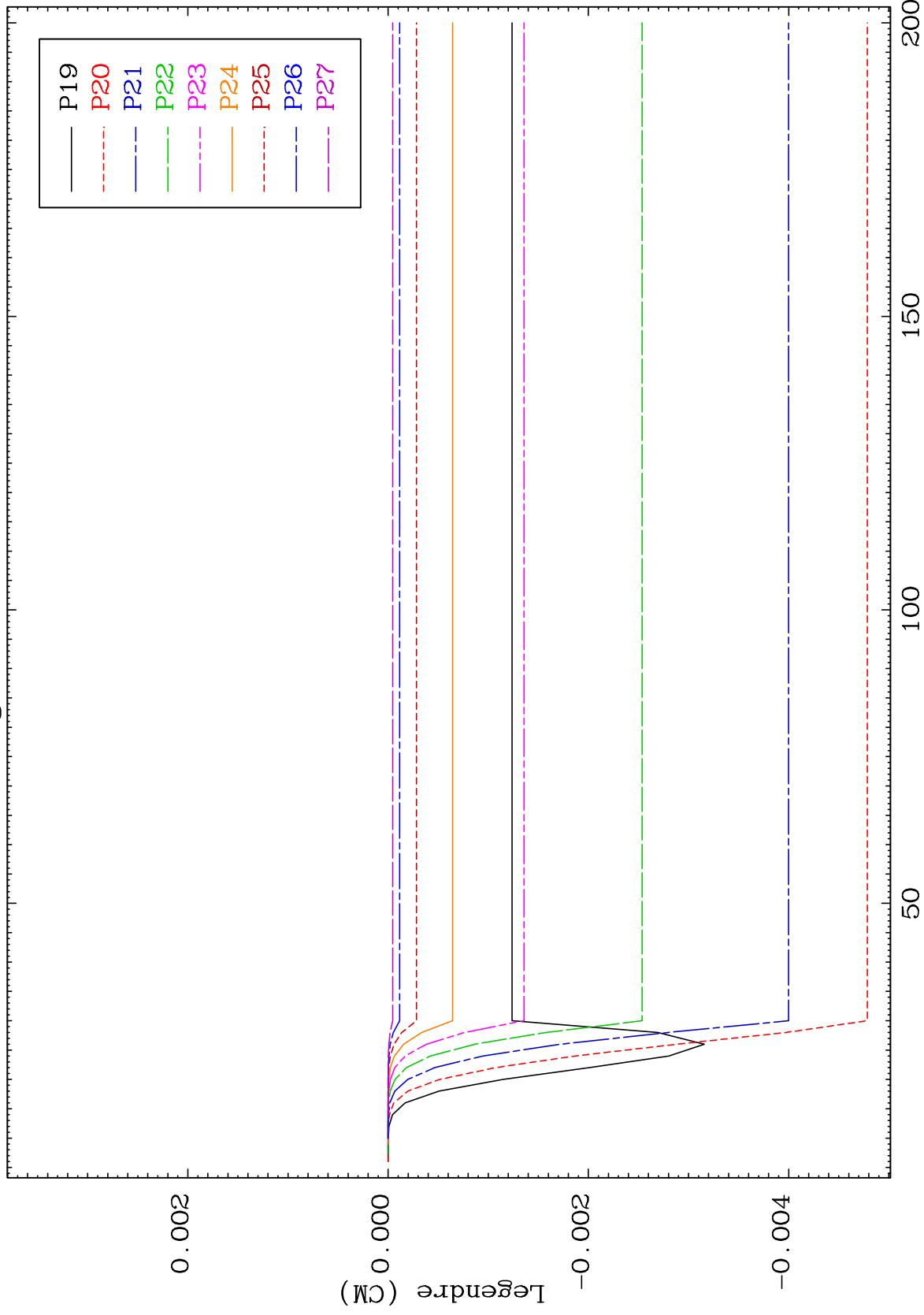




MAT 7113

742.8 keV (n, n') Level  
Legendre Coefficients

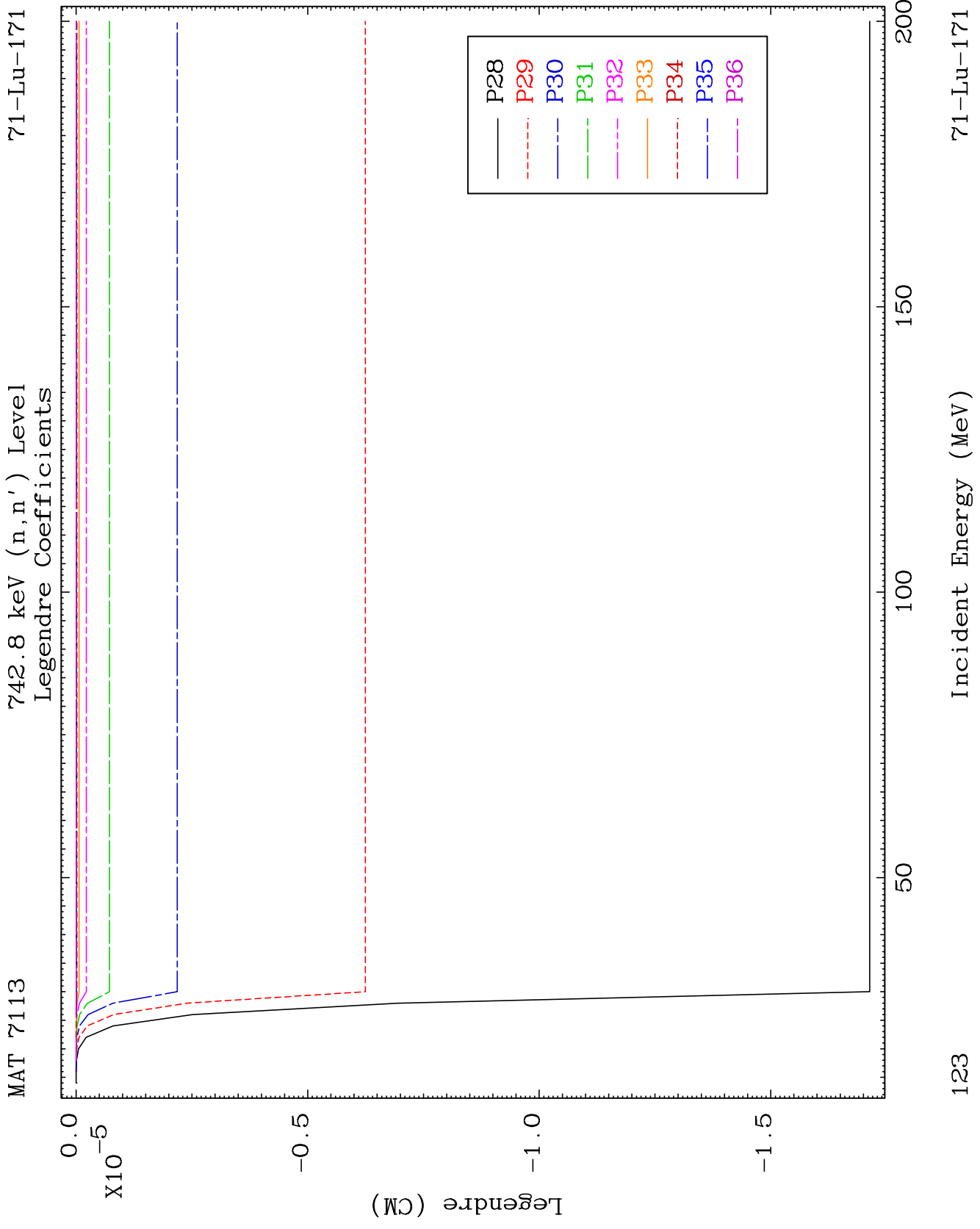
71-Lu-171

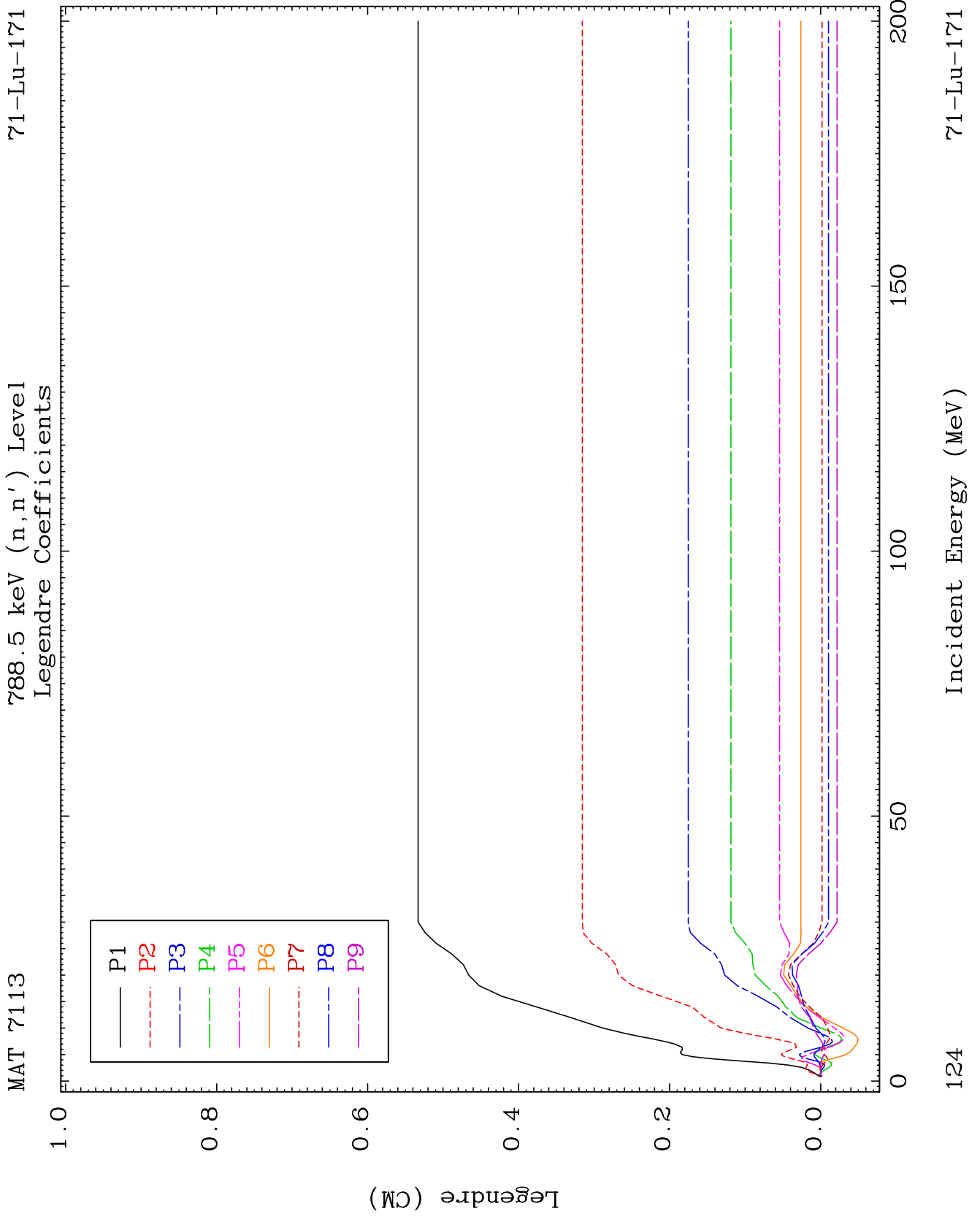


122

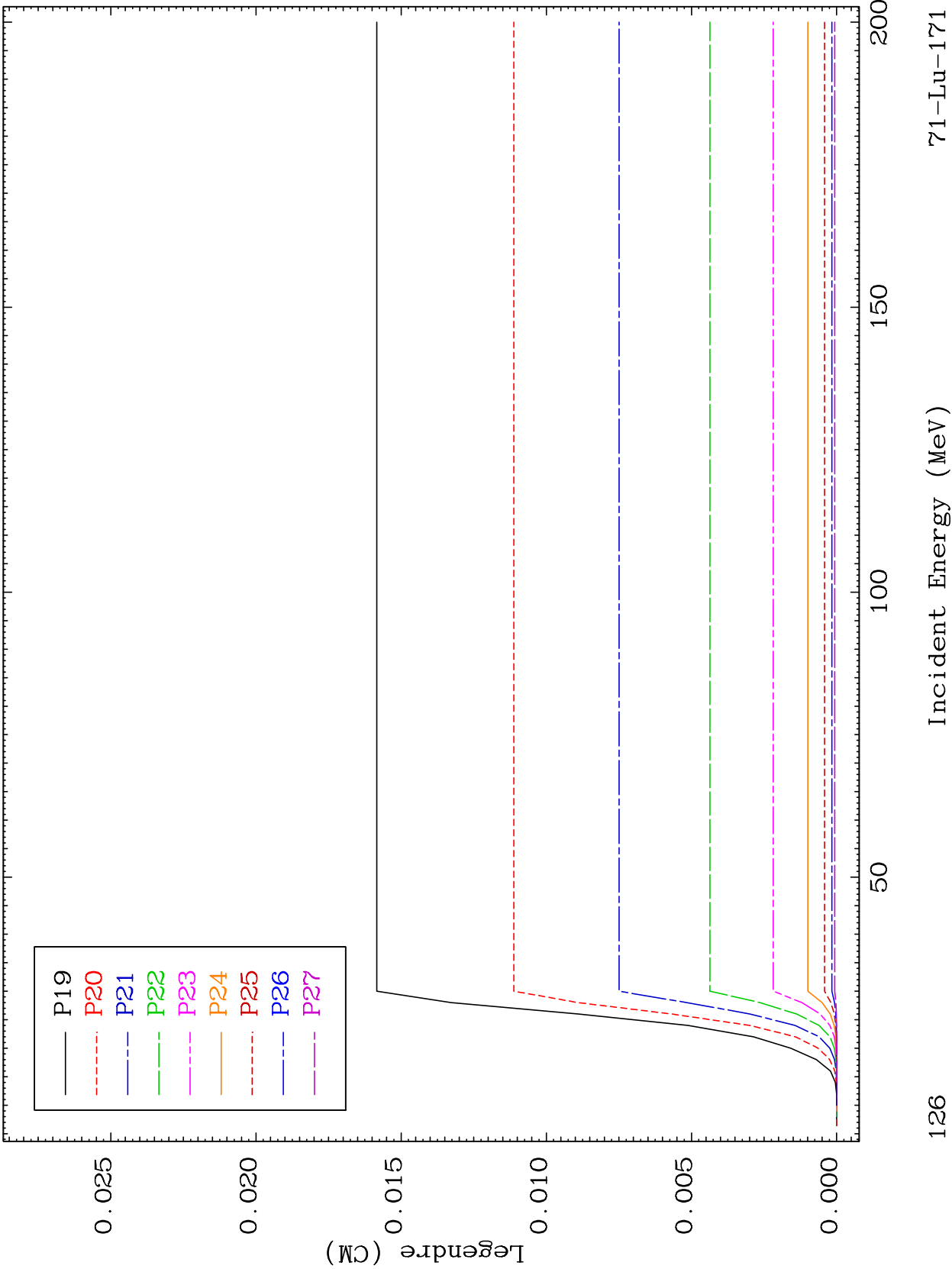
Incident Energy (MeV)

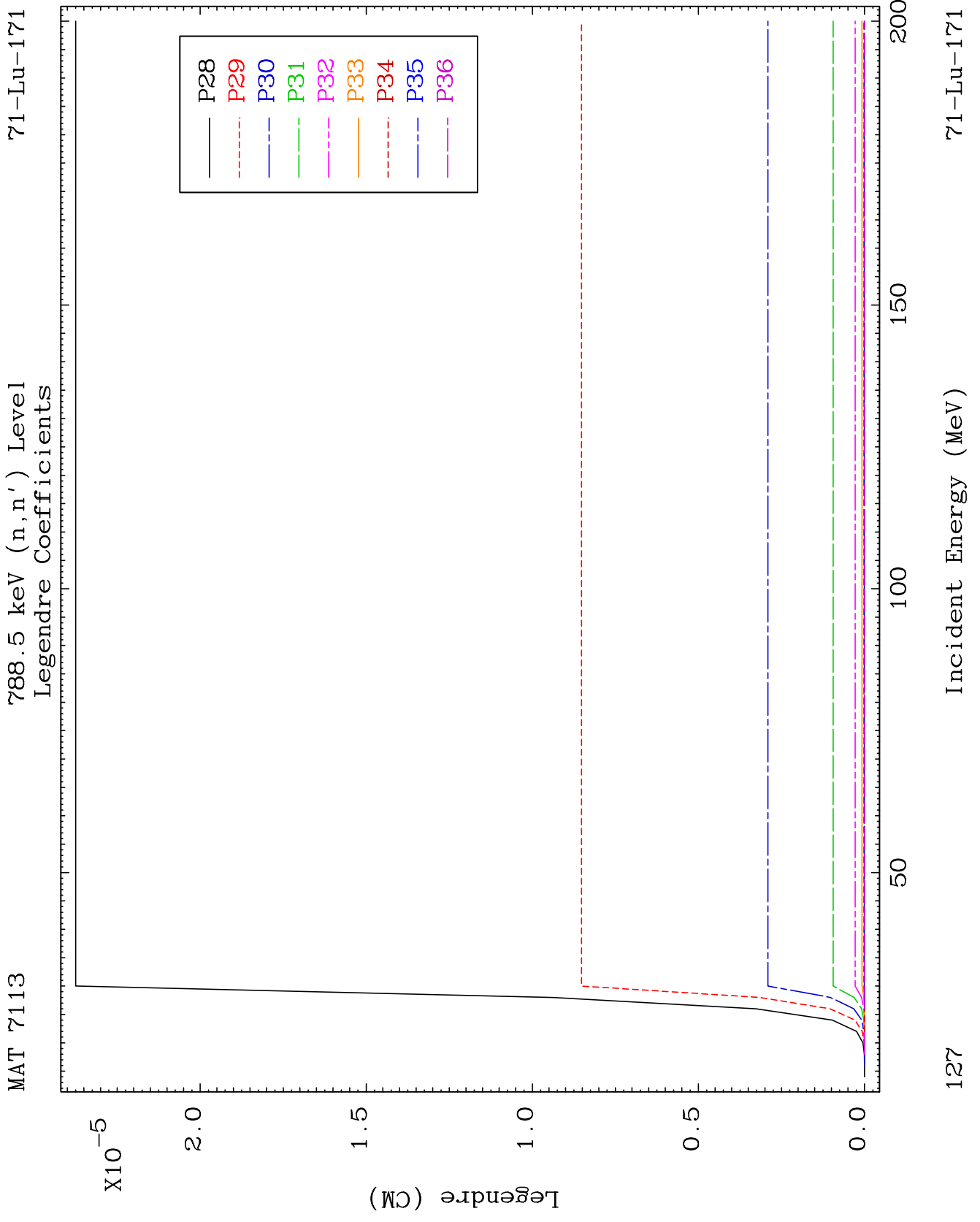
71-Lu-171



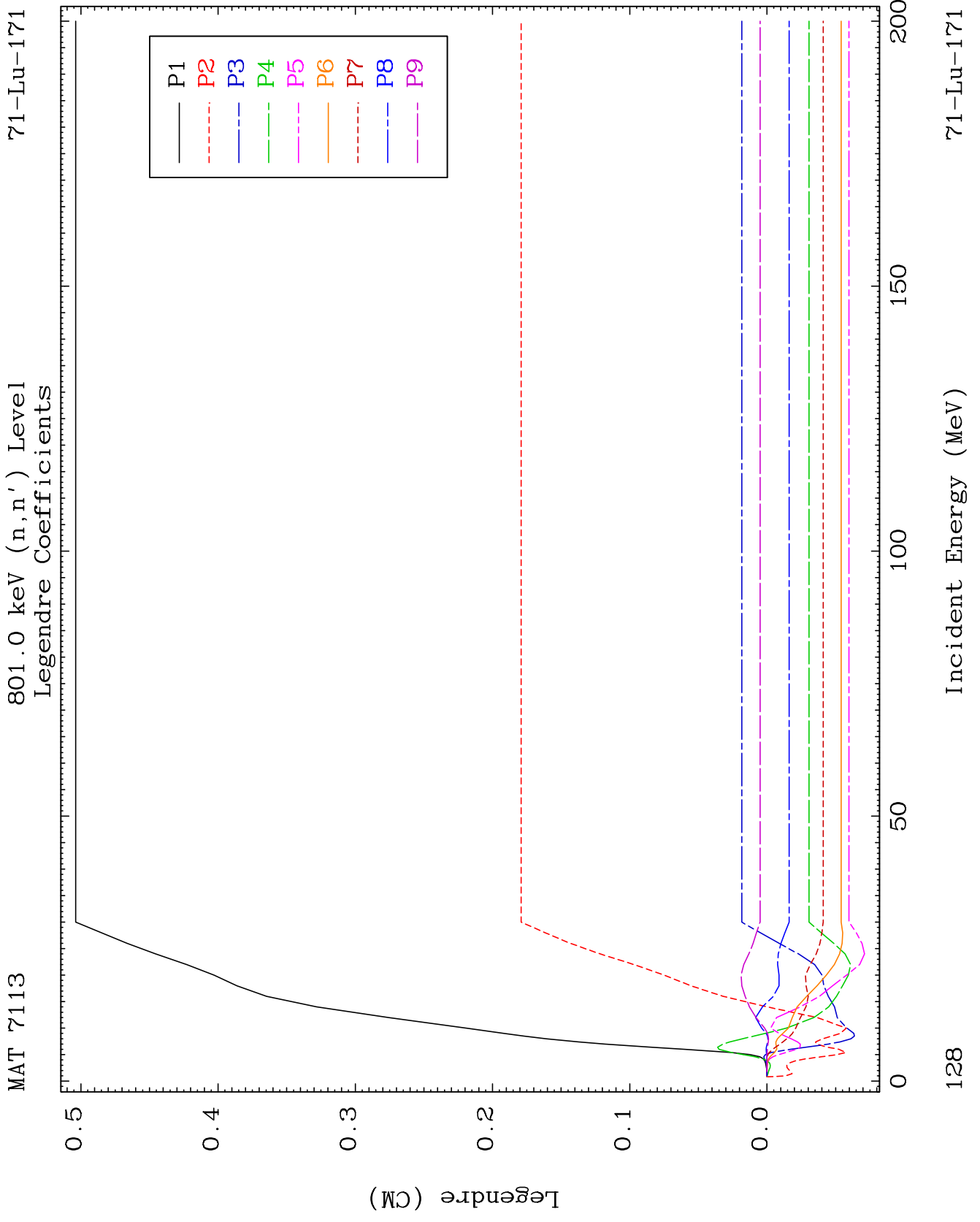




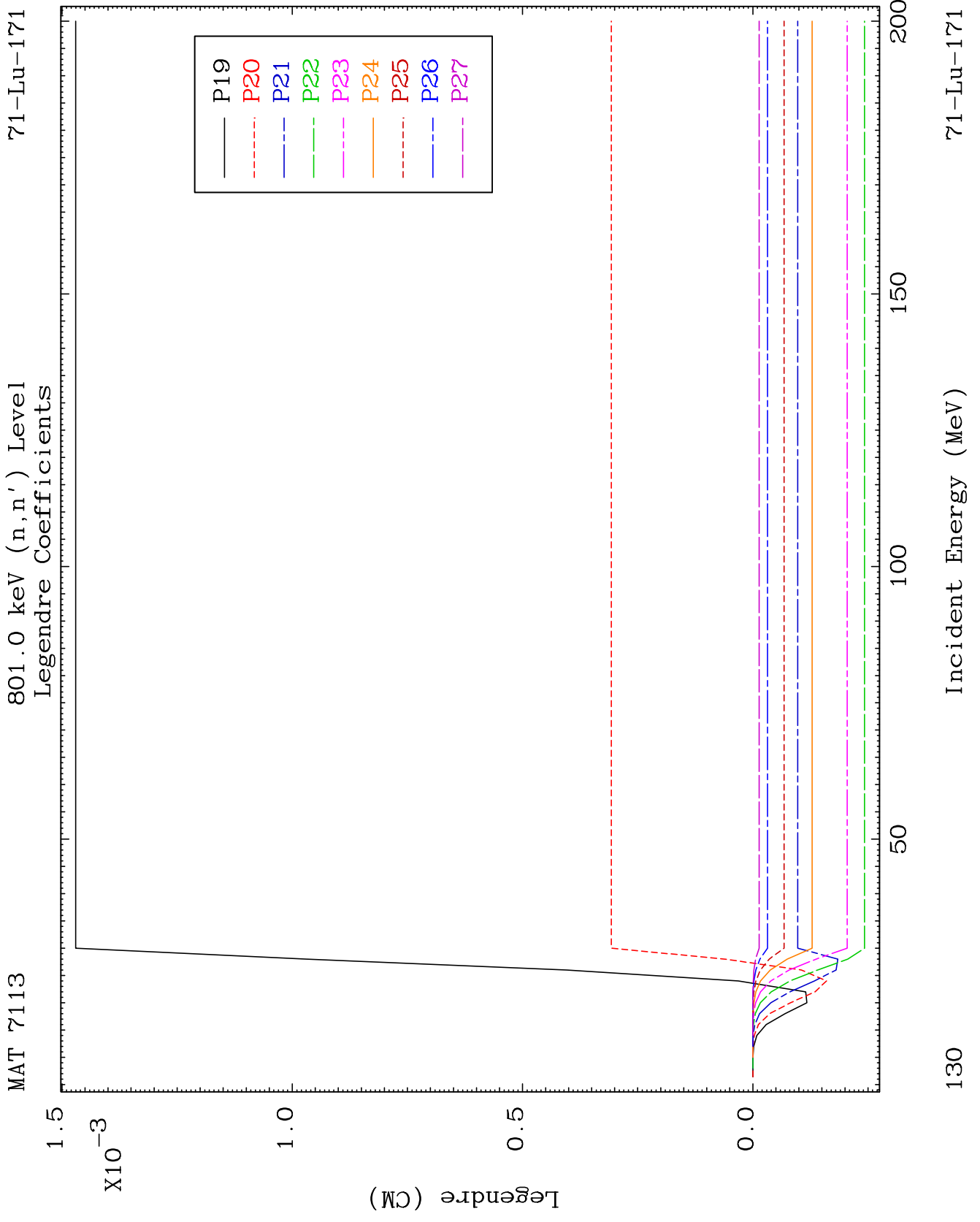


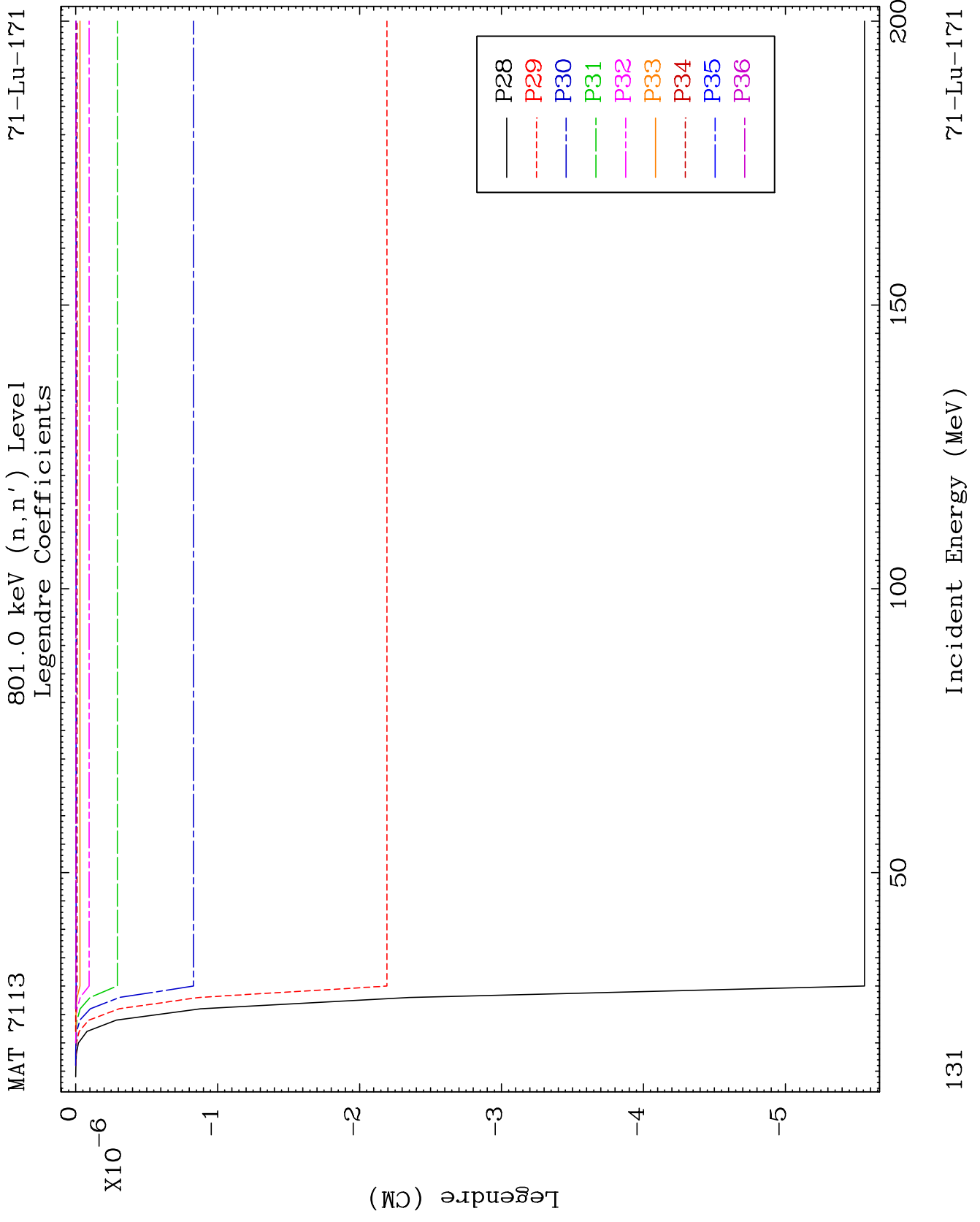


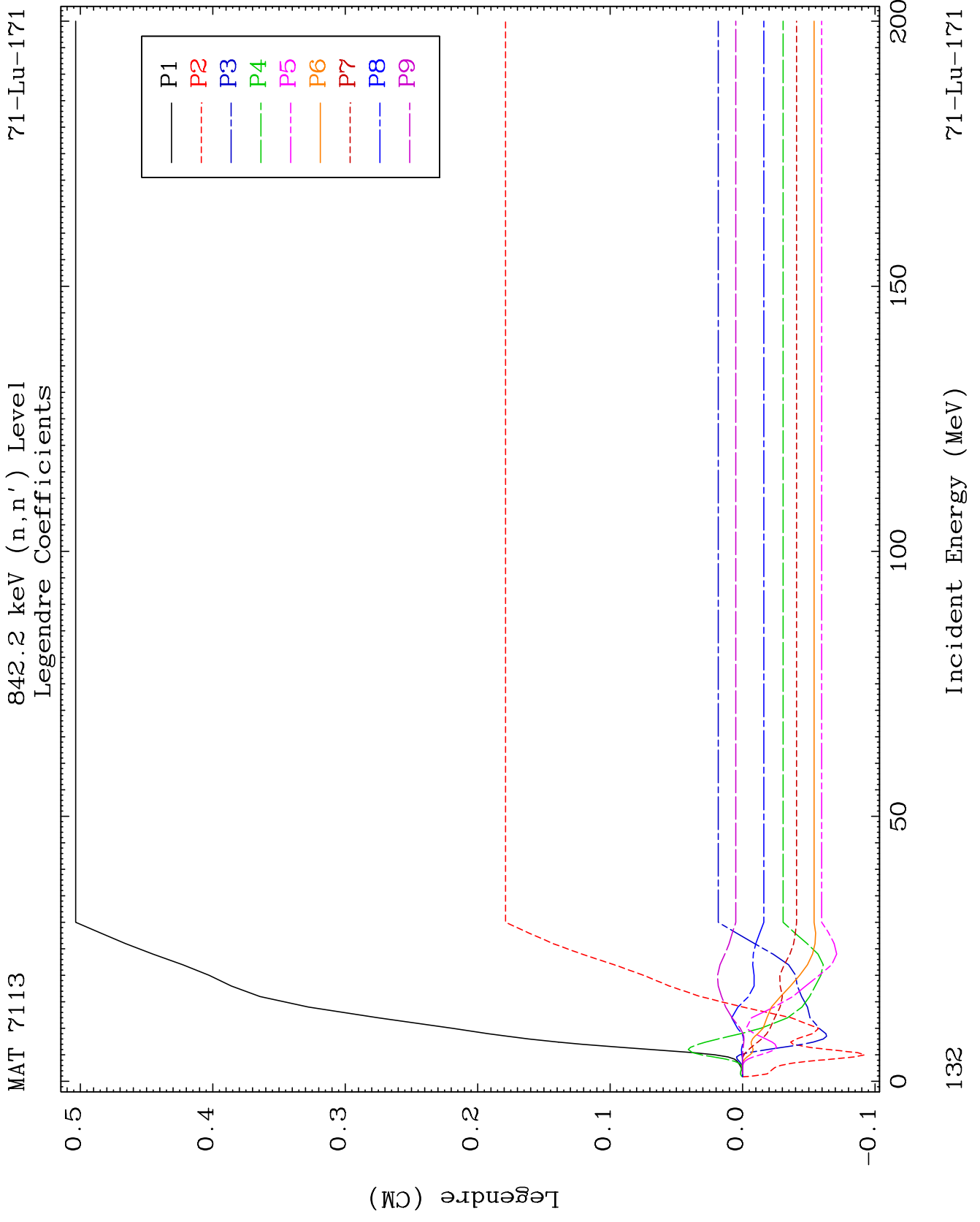


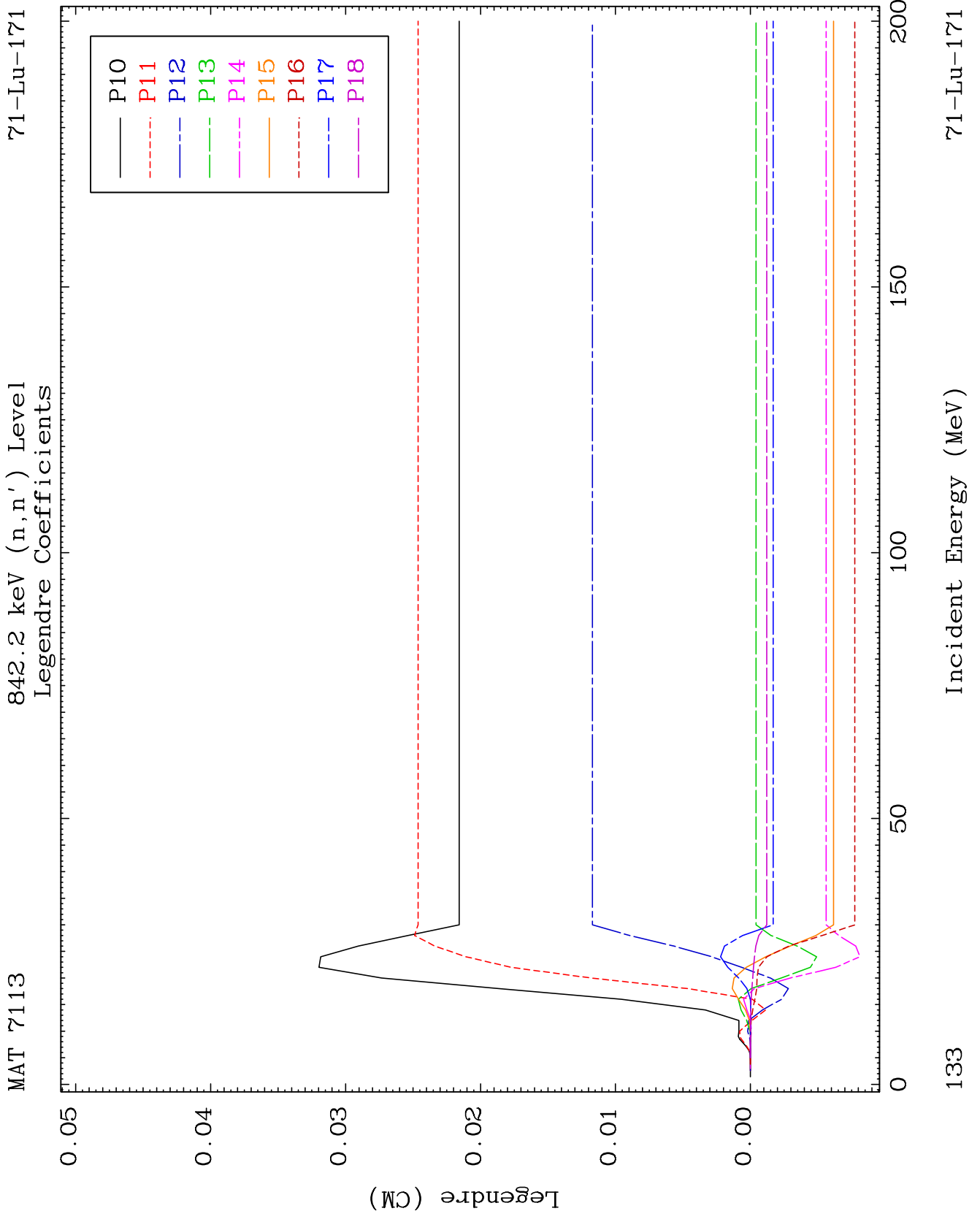








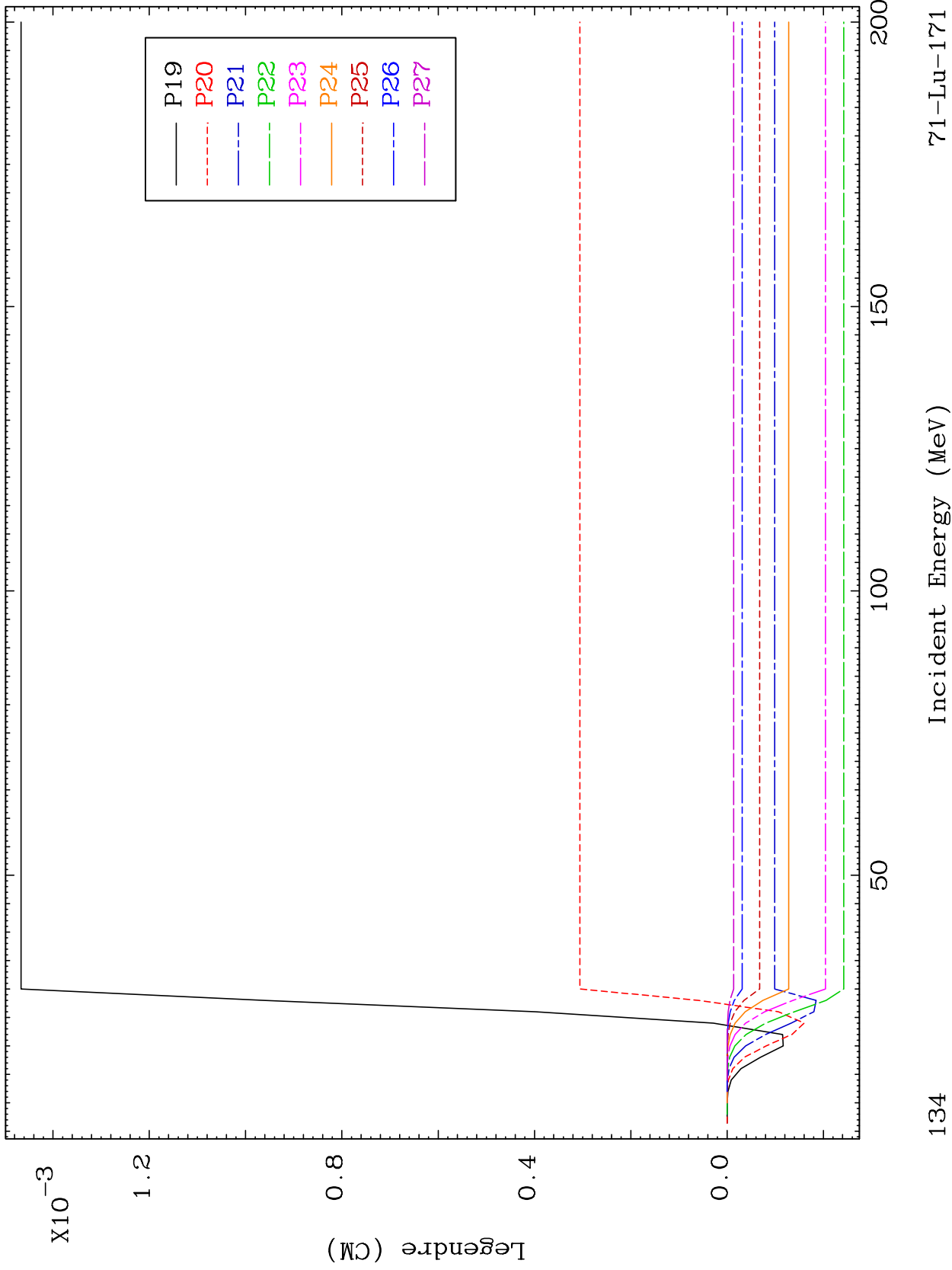




MAT 7113

842.2 keV (n, n') Level  
Legendre Coefficients

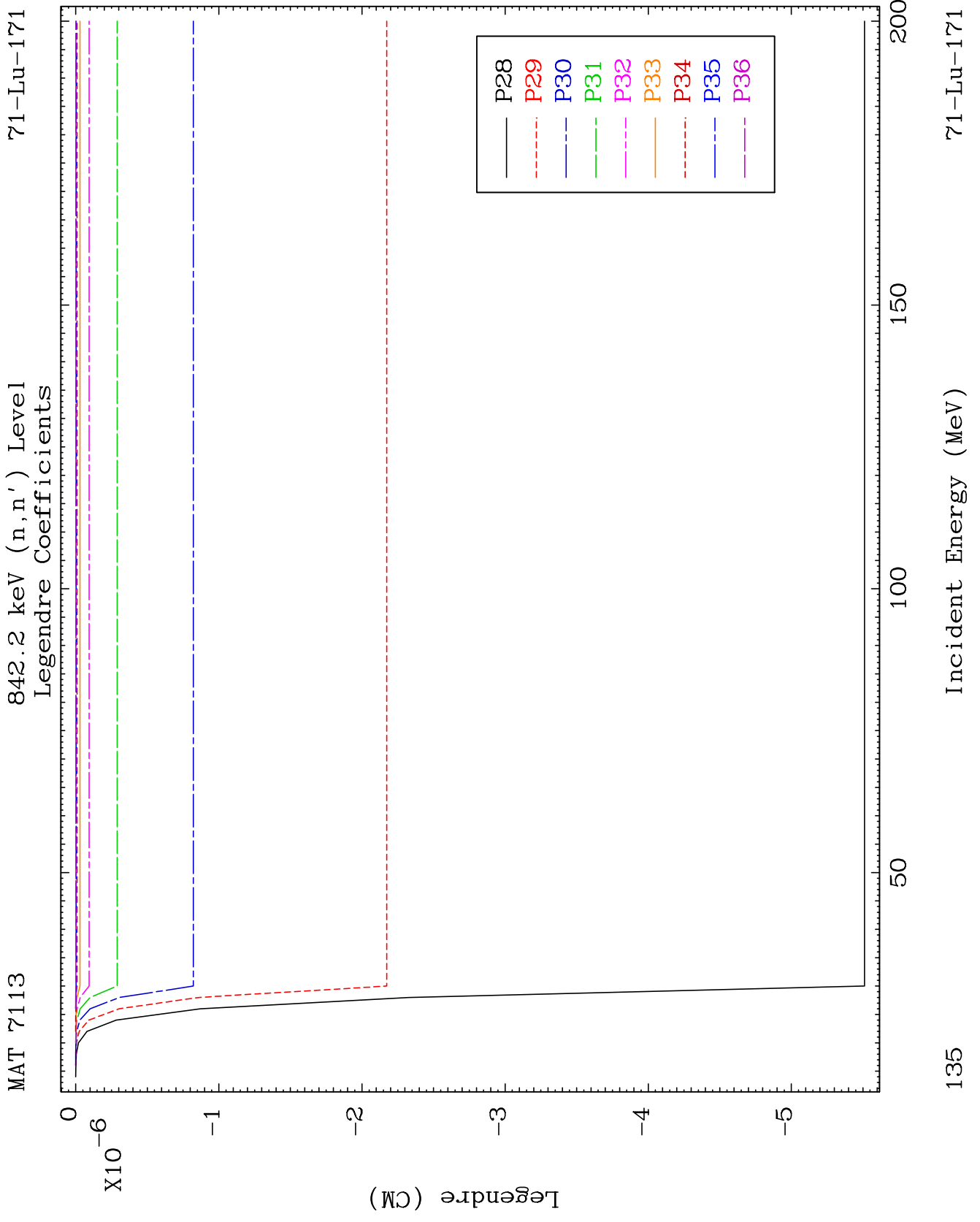
71-Lu-171



134

Incident Energy (MeV)

71-Lu-171

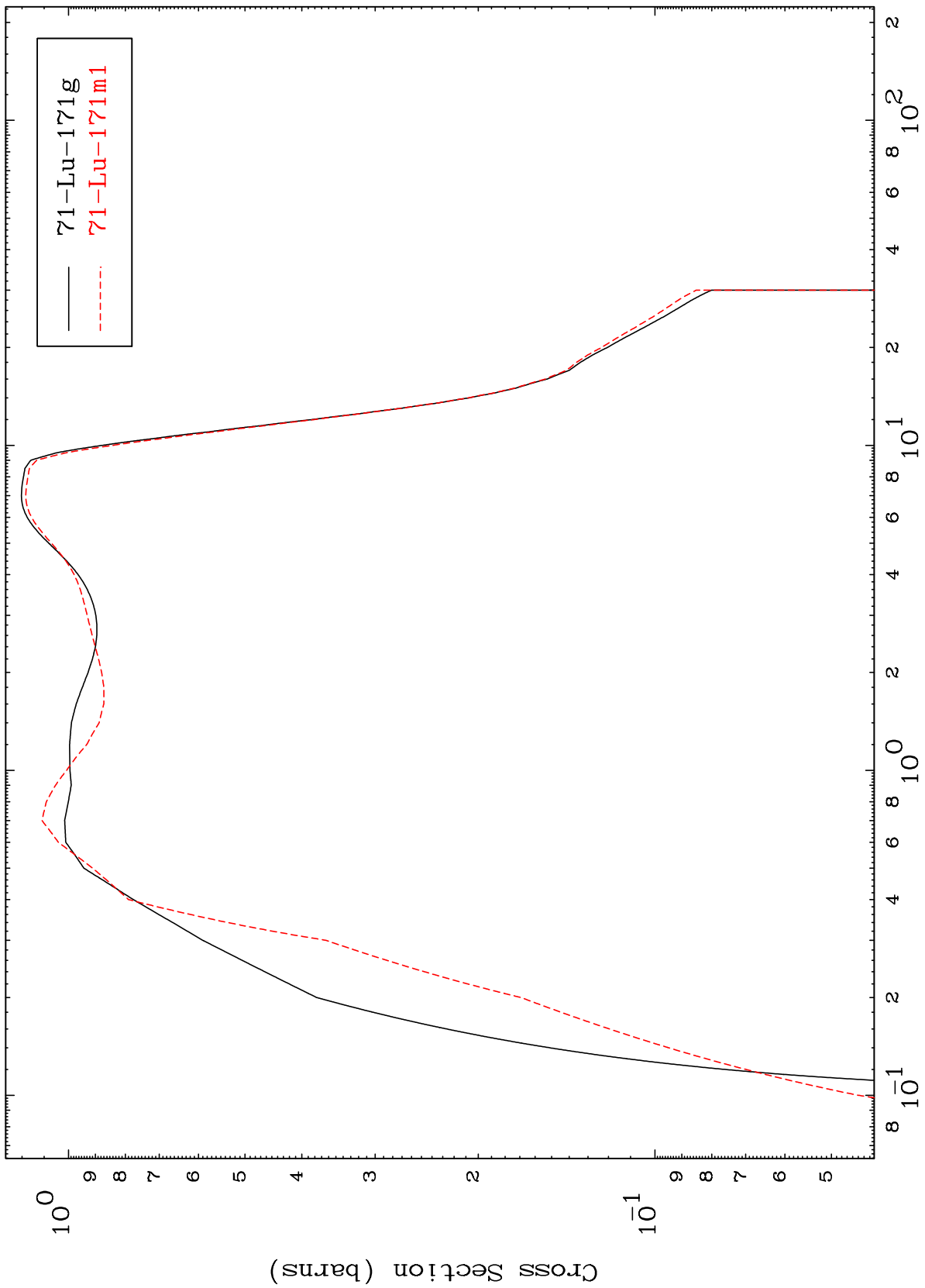




MAT 7113

71-Lu-171

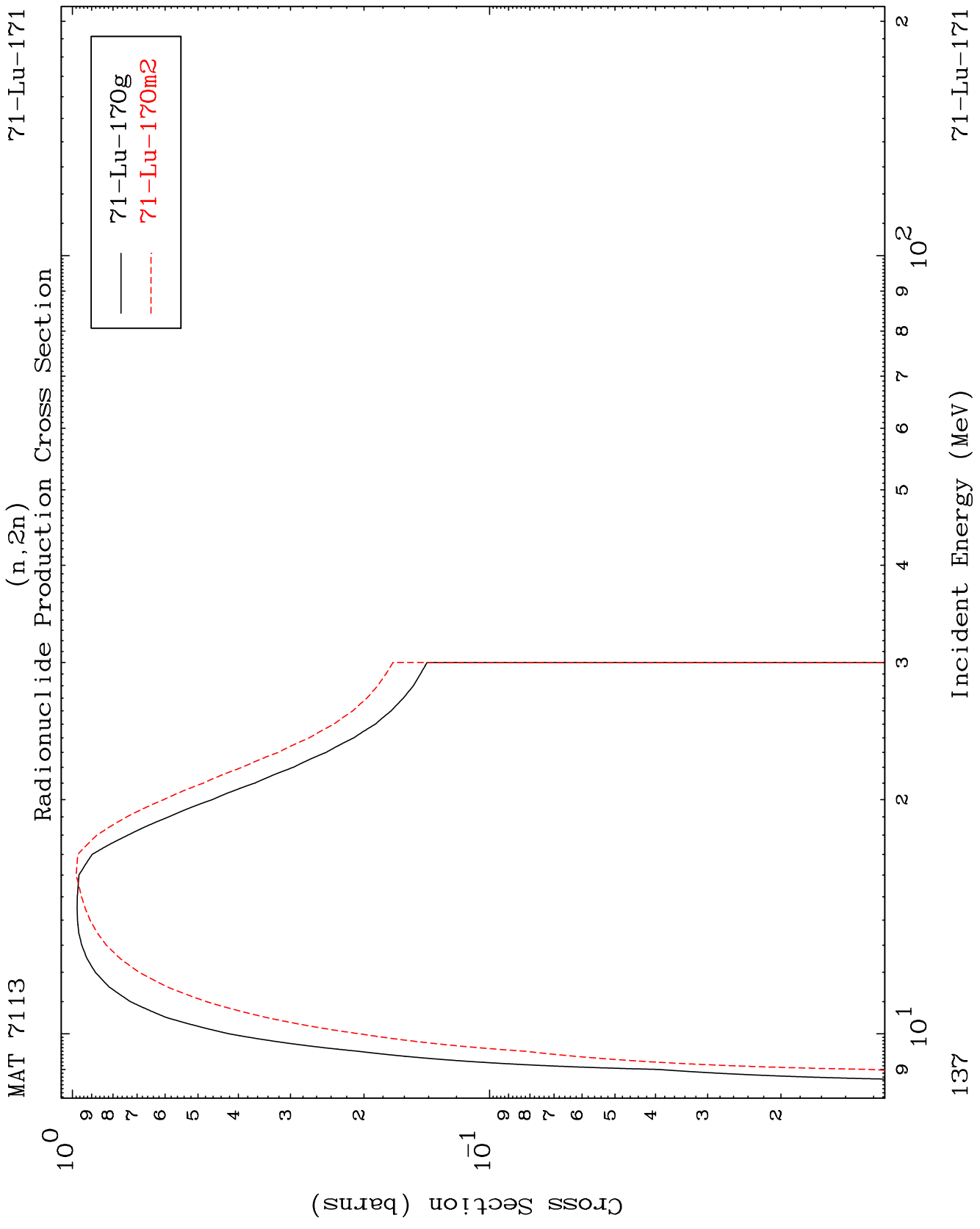
Inelastic  
Radionuclide Production Cross Section



136

Incident Energy (MeV)

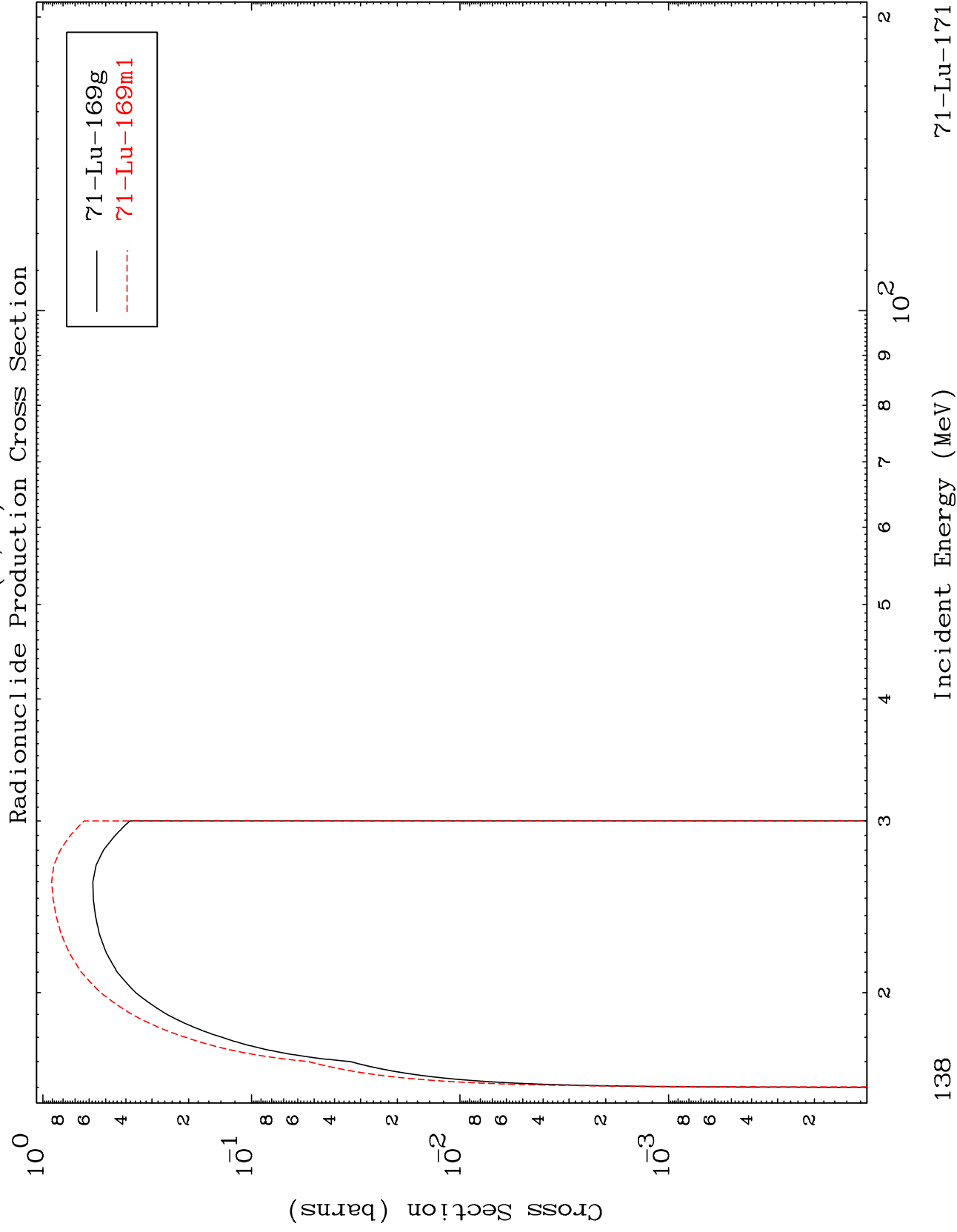
71-Lu-171



MAT 7113

(n,3n)

71-Lu-171



138

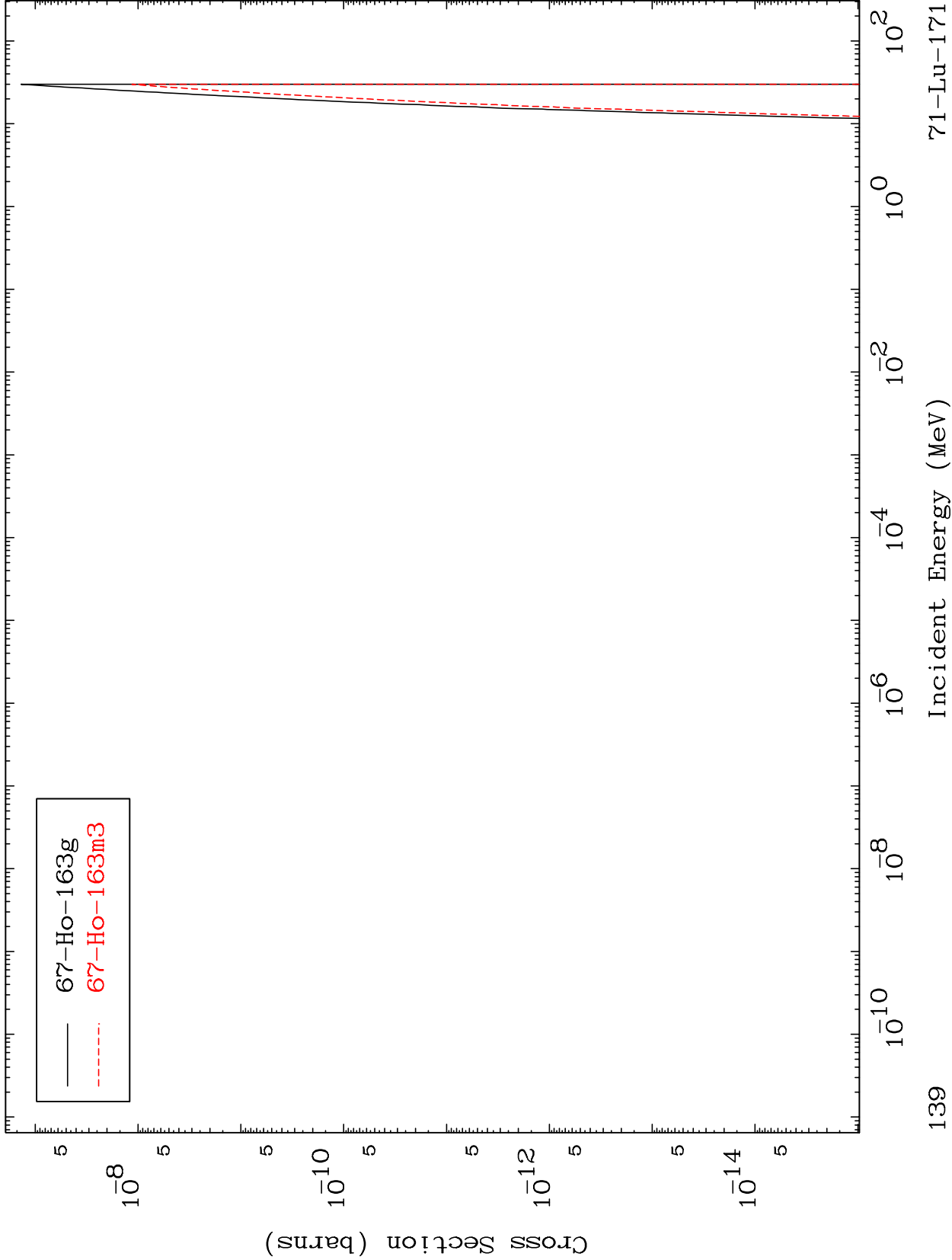
71-Lu-171

MAT 7113

(n,n') 2α

71-Lu-171

Radionuclide Production Cross Section

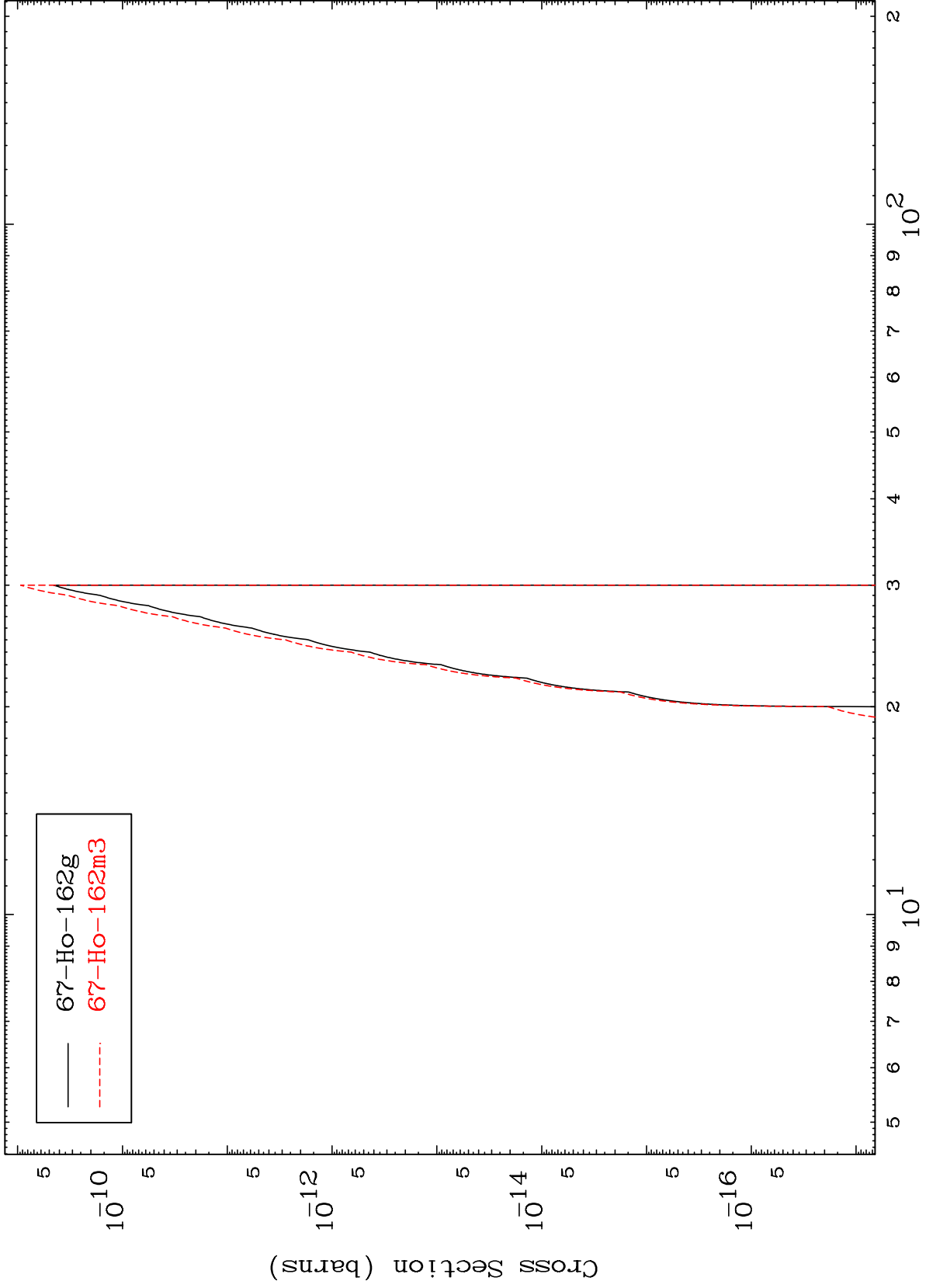


MAT 7113

$^{67}\text{Lu}$

$^{171}\text{Lu}$

Radionuclide Production Cross Section



140

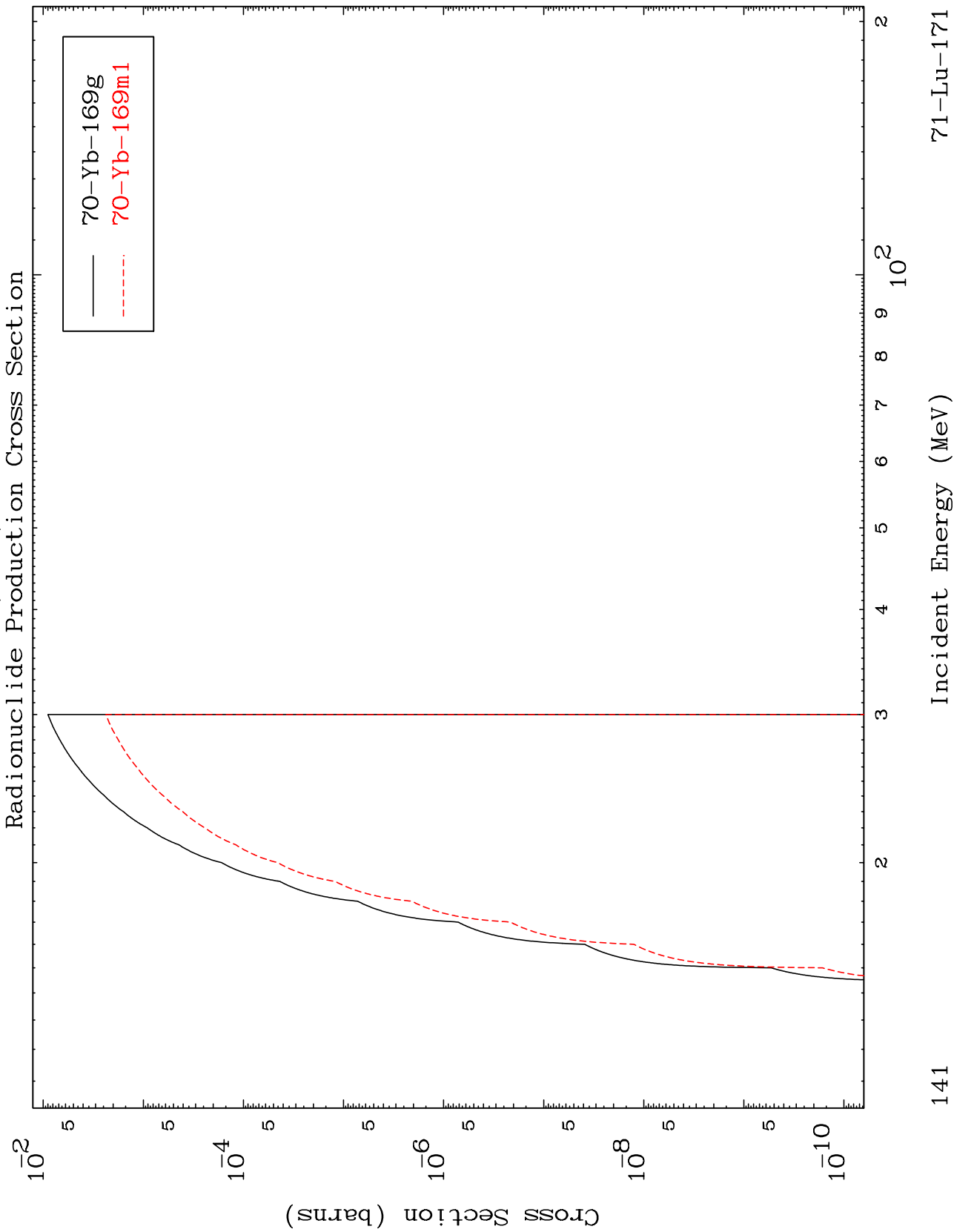
Incident Energy (MeV)

$^{171}\text{Lu}$

MAT 7113

(n,n') d

71-Lu-171



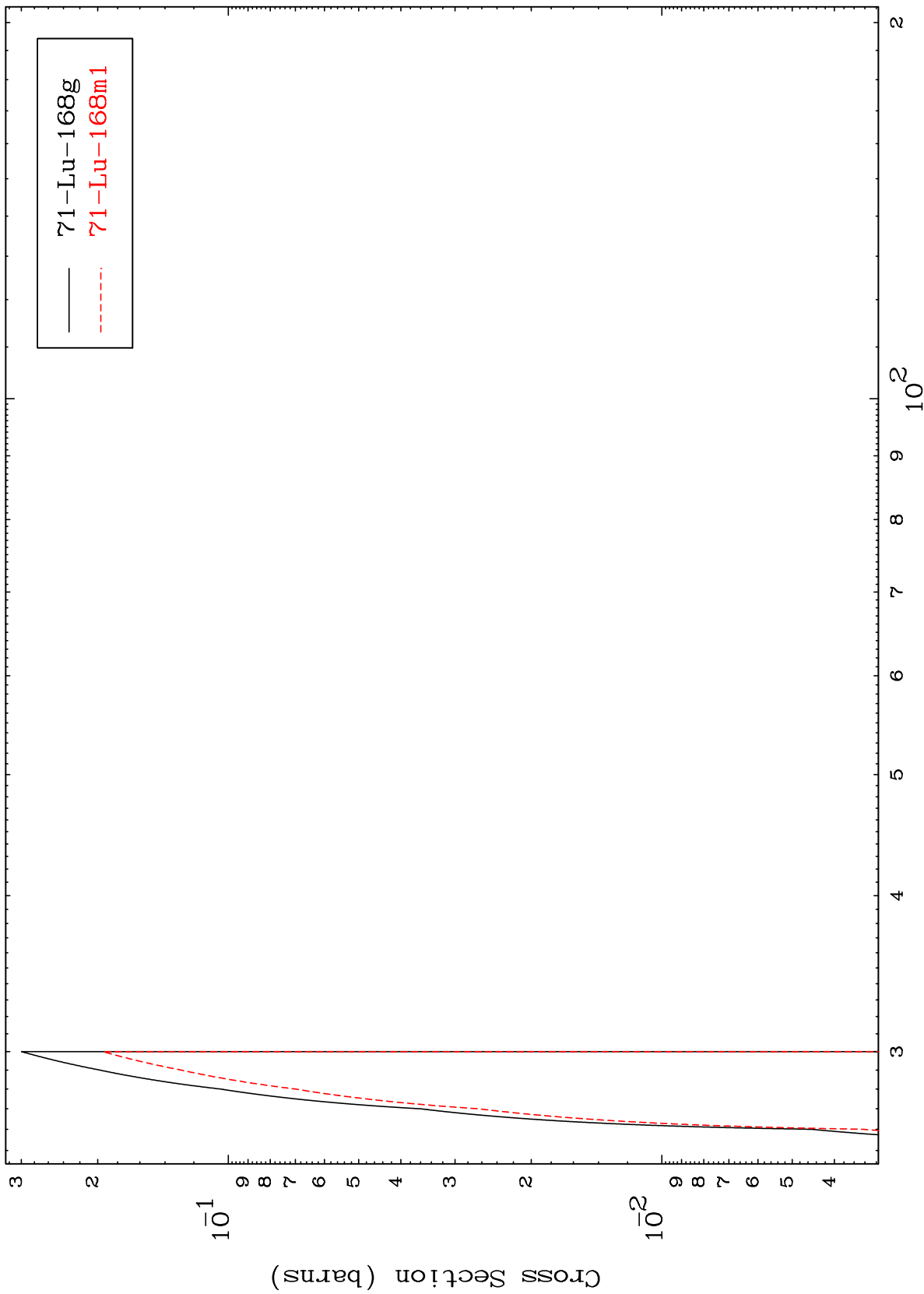
141

71-Lu-171

MAT 7113

71-Lu-171

(n,4n)  
Radionuclide Production Cross Section

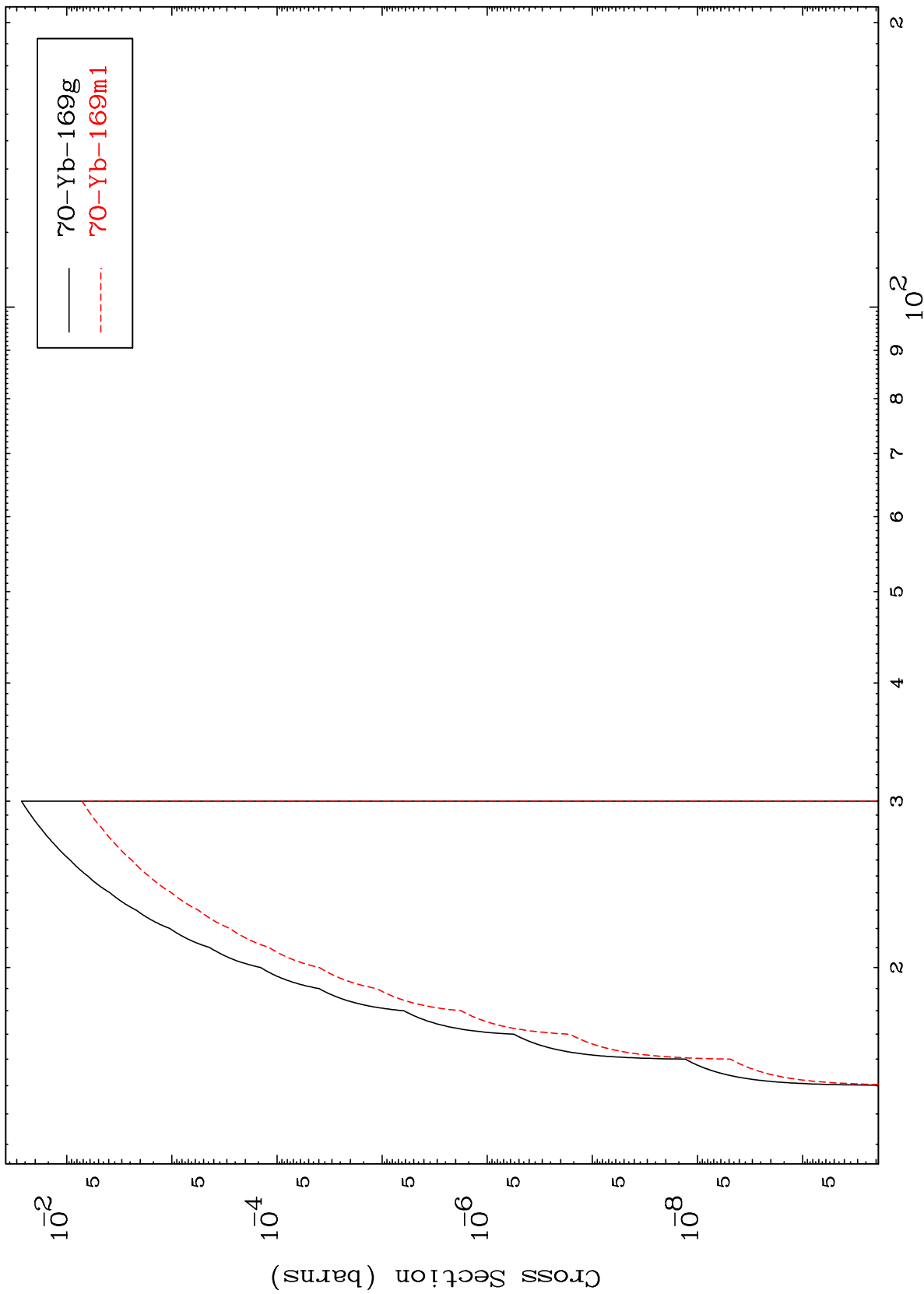


71-Lu-171

Incident Energy (MeV)

142

Radionuclide Production Cross Section



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

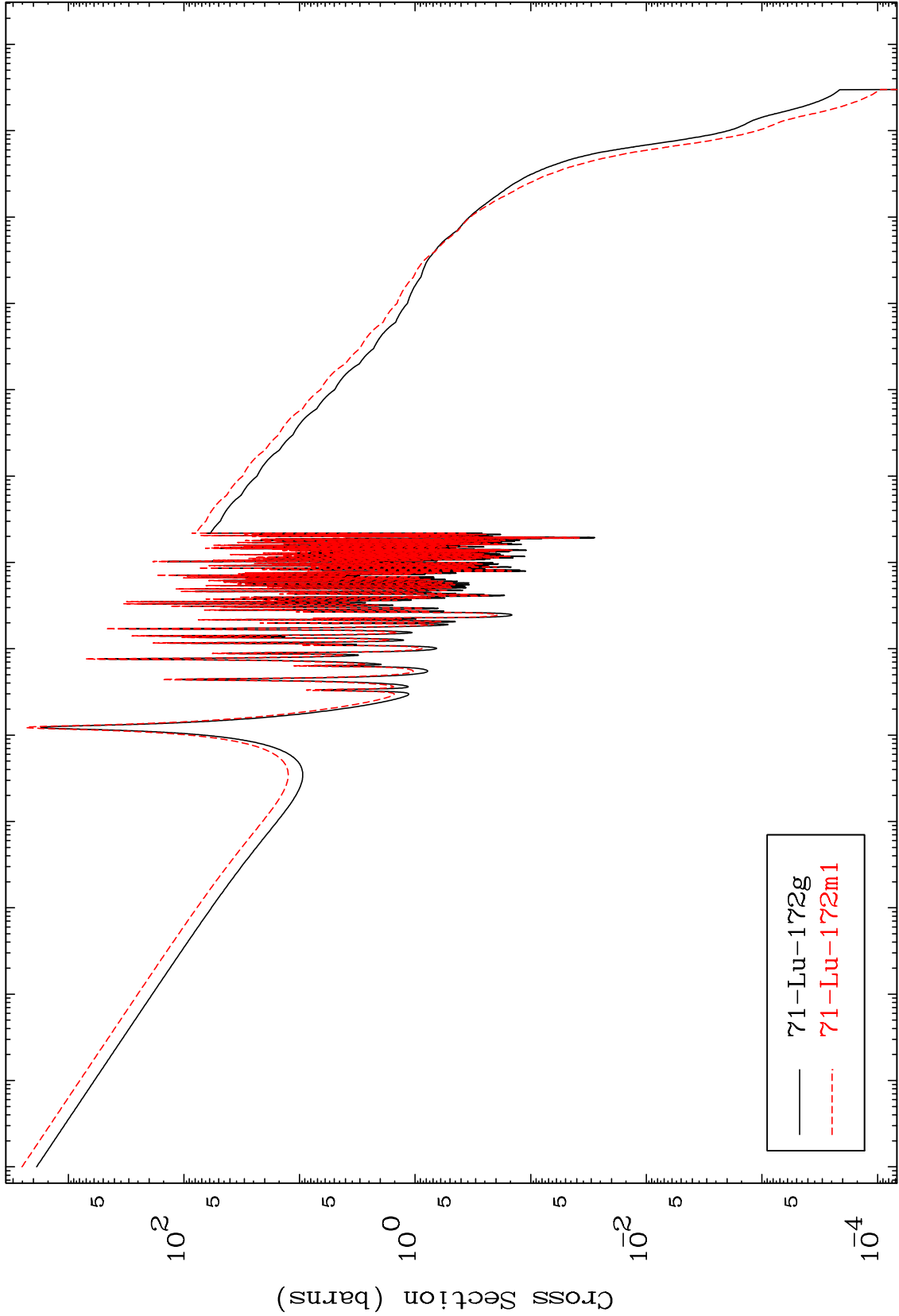


MAT 7113

<sup>71</sup>Lu-171

Radionuclide Production Cross Section

(n,γ)



<sup>71</sup>Lu-171

Incident Energy (MeV)

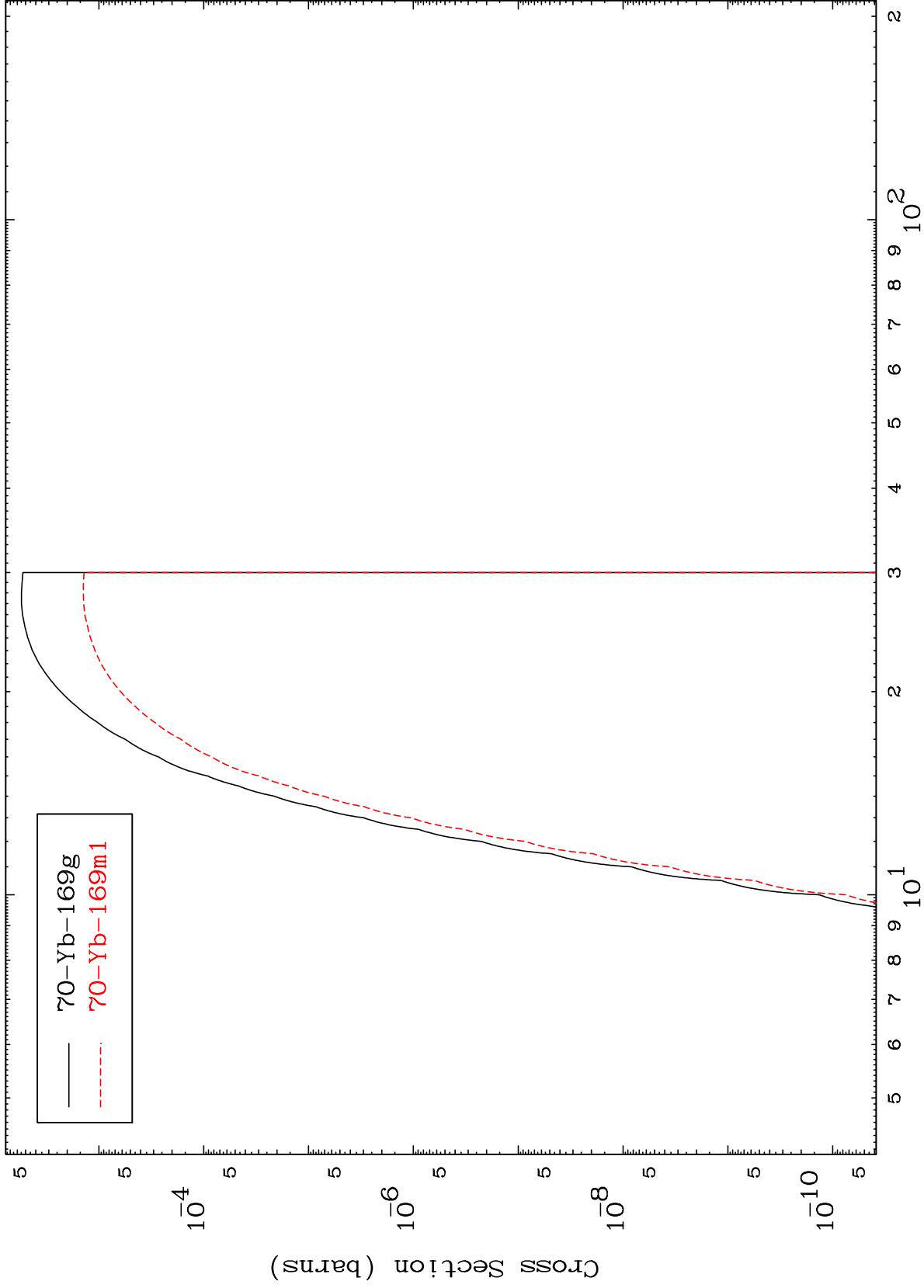
<sup>71</sup>Lu-171

144

MAT 7113

71-Lu-171

Radionuclide Production Cross Section (n,t)



145

Incident Energy (MeV)

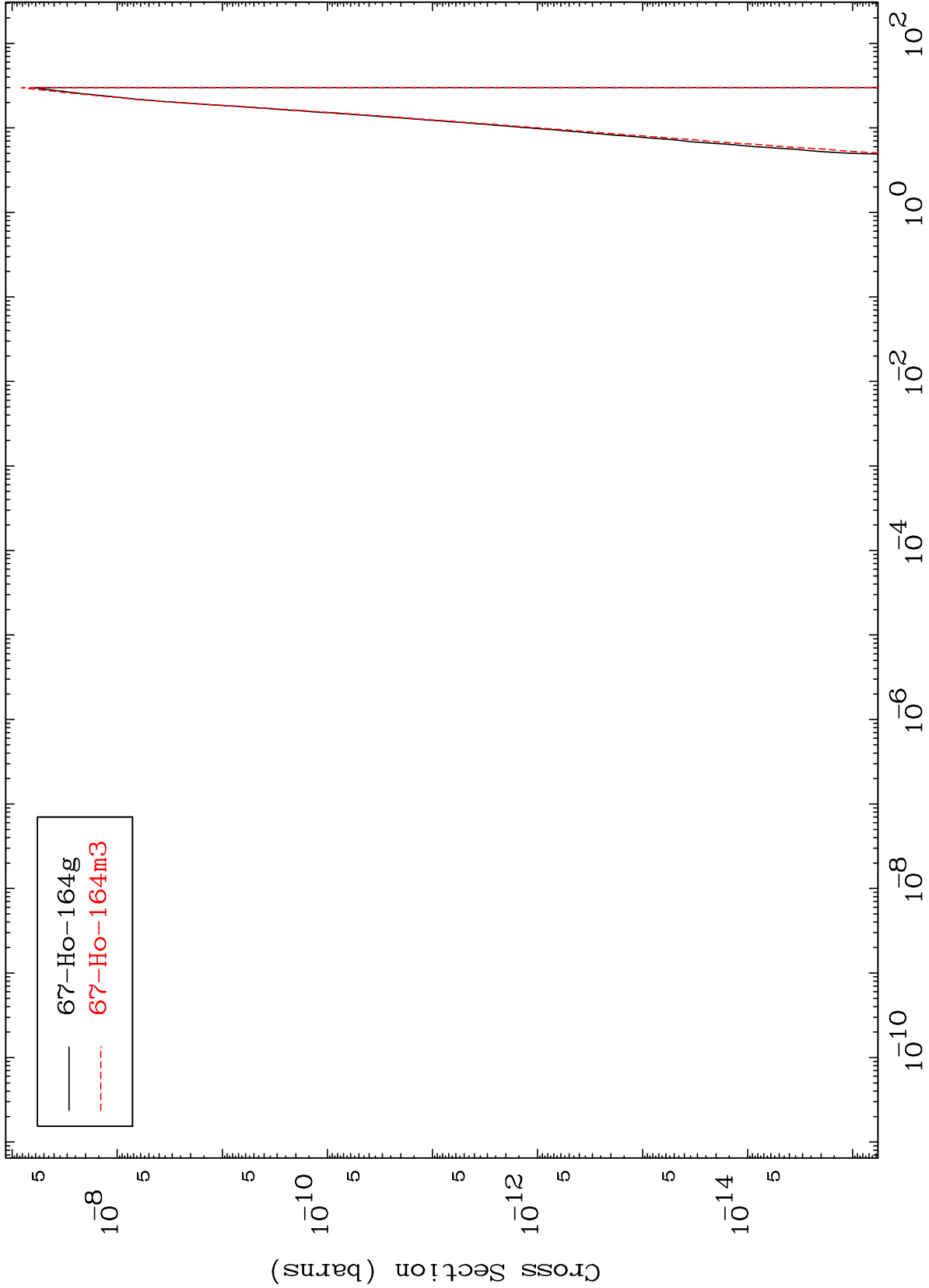
71-Lu-171

MAT 7113

(n,2α)

71-Lu-171

Radionuclide Production Cross Section



146

Incident Energy (MeV)

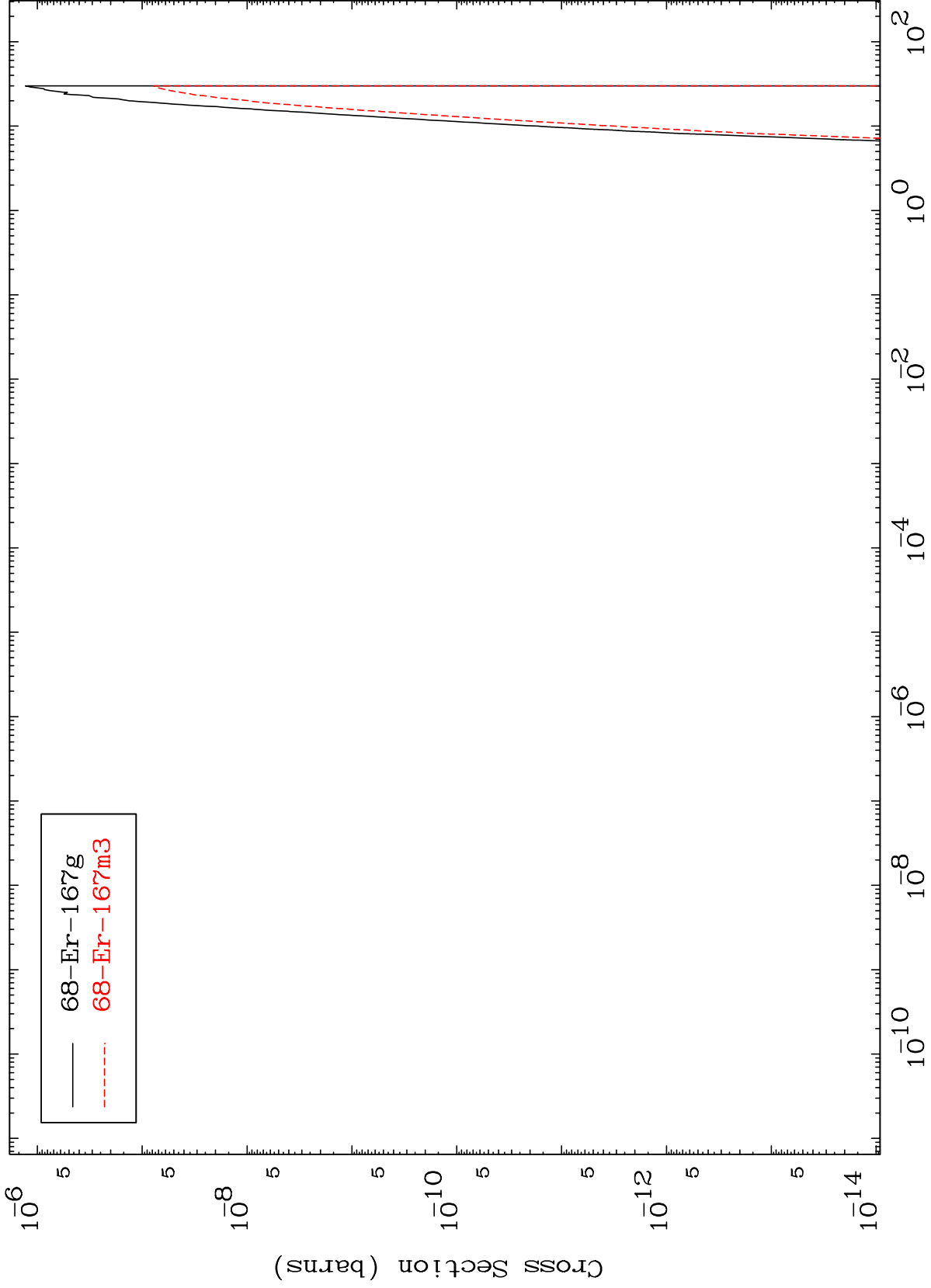
71-Lu-171

MAT 7113

(n,p)  $\alpha$

71-Lu-171

Radionuclide Production Cross Section



68-Er-167g  
68-Er-167m3