

Program EVALPLOT  
(Version 2017-1)

by

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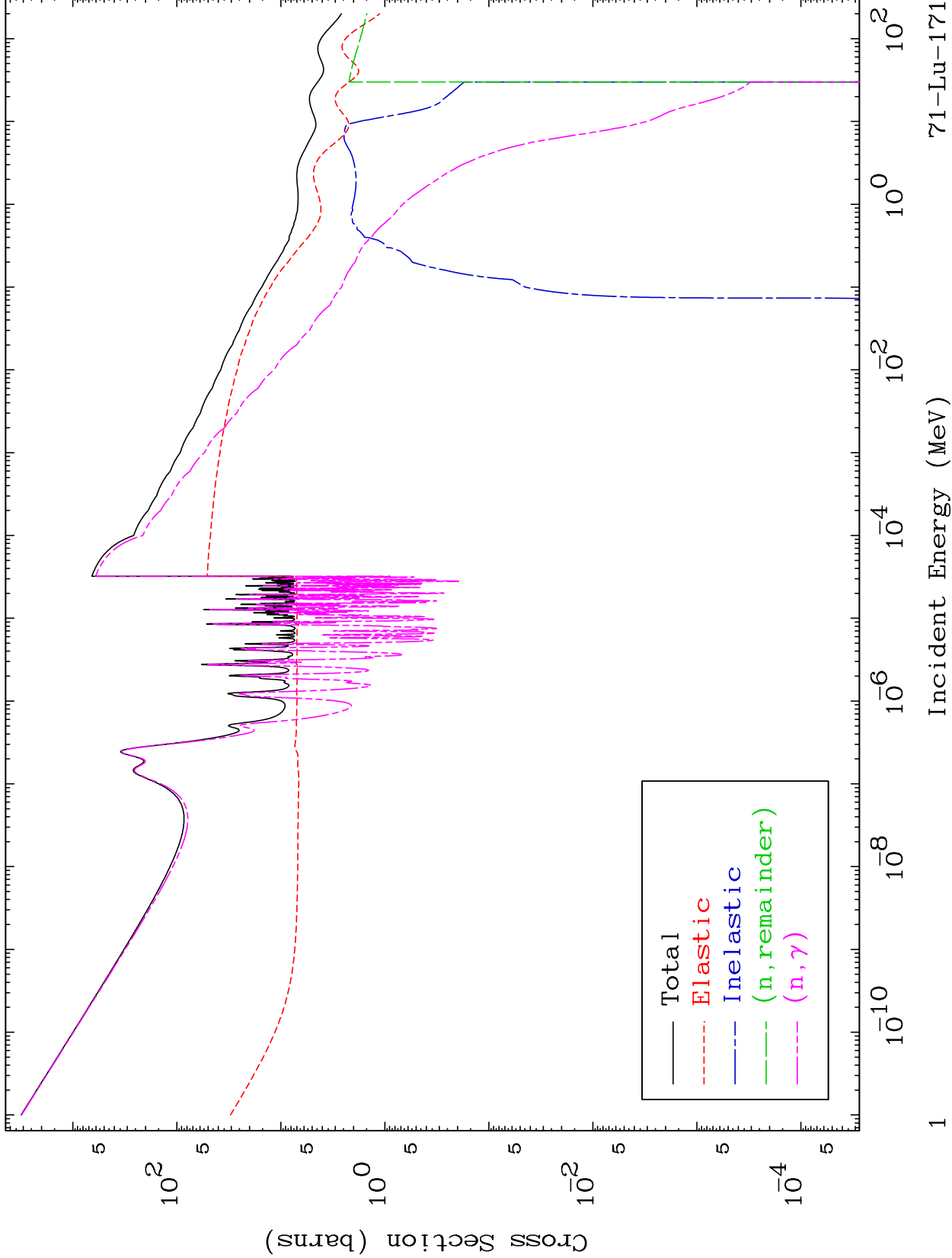
Press Mouse Button to Start

MAT 7113

Major

293 Kelvin Cross Sections

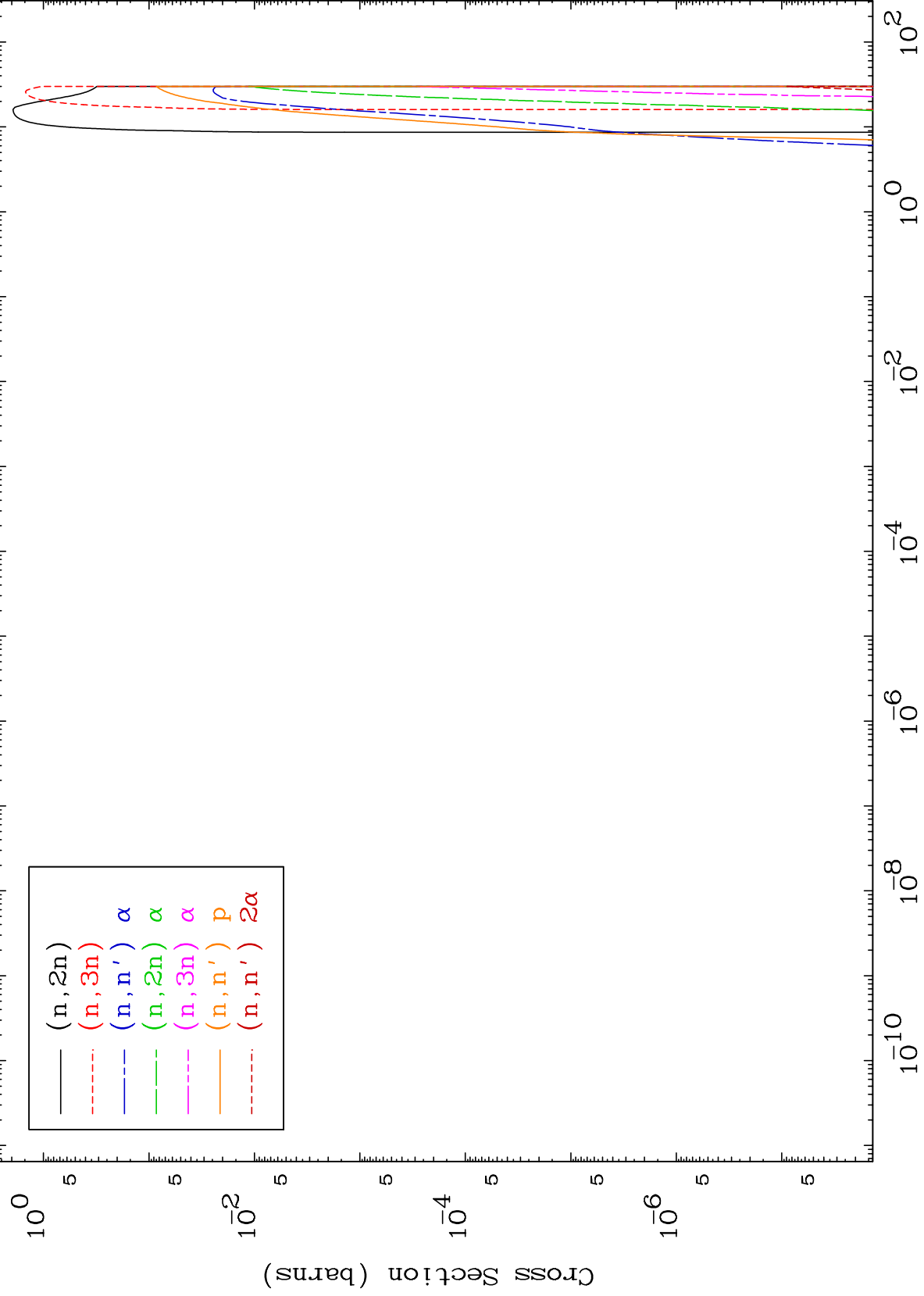
71-Lu-171



MAT 7113

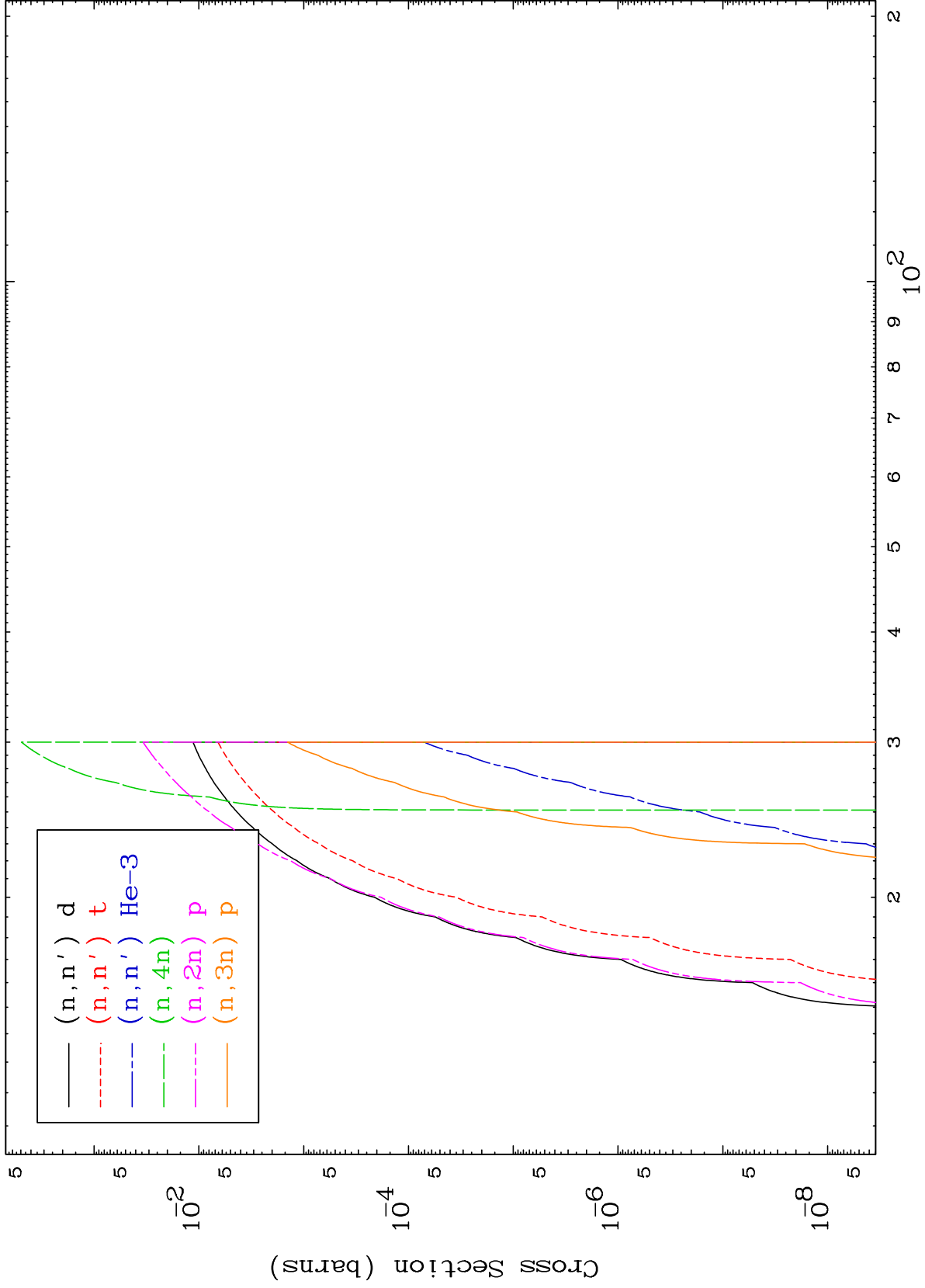
Neutron Production  
293 Kelvin Cross Sections

71-Lu-171



71-Lu-171

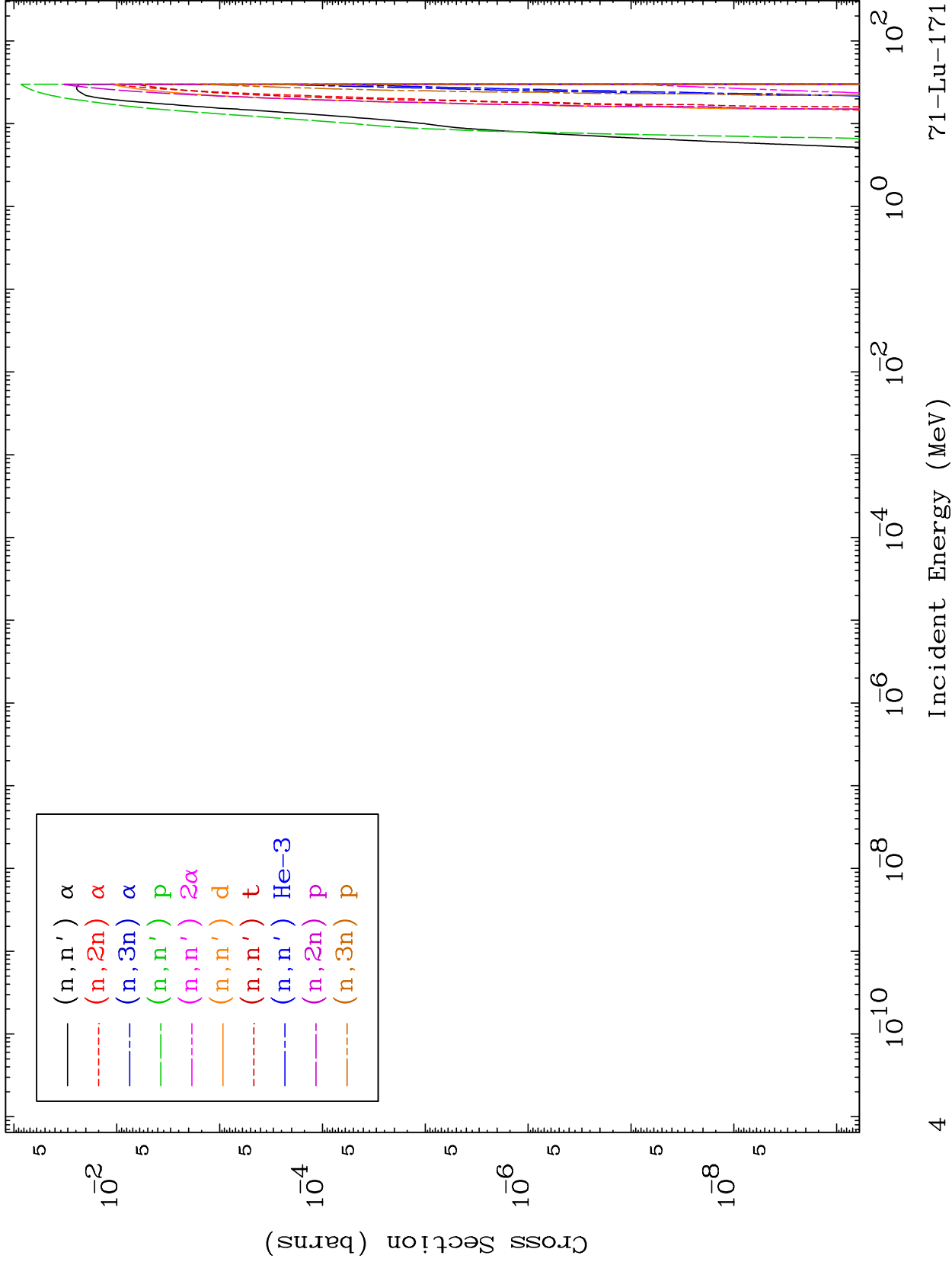
Incident Energy (MeV)



MAT 7113

Charged Particle  
293 Kelvin Cross Sections

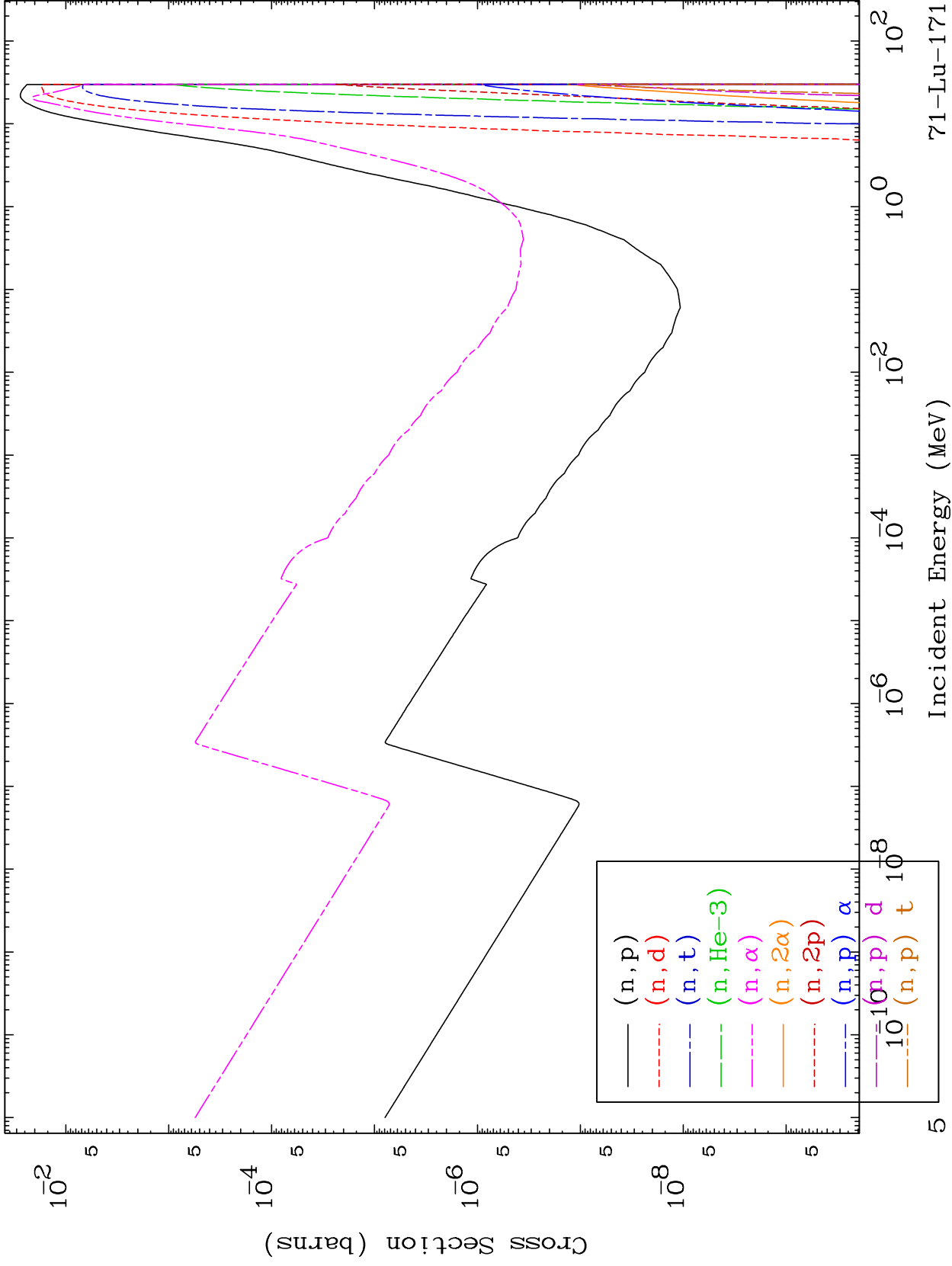
71-Lu-171



MAT 7113

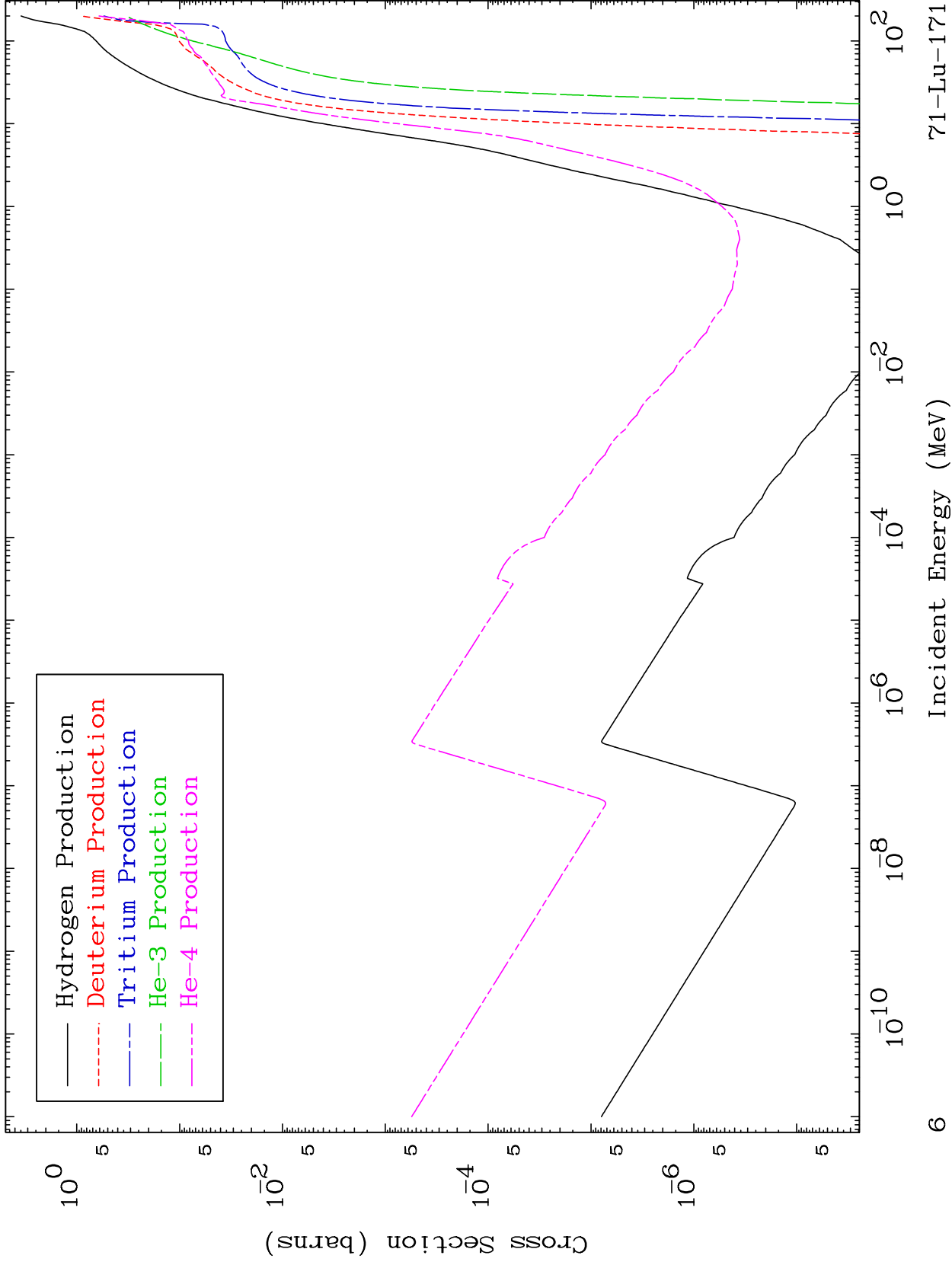
Charged Particle  
293 Kelvin Cross Sections

71-Lu-171



Incident Energy (MeV)

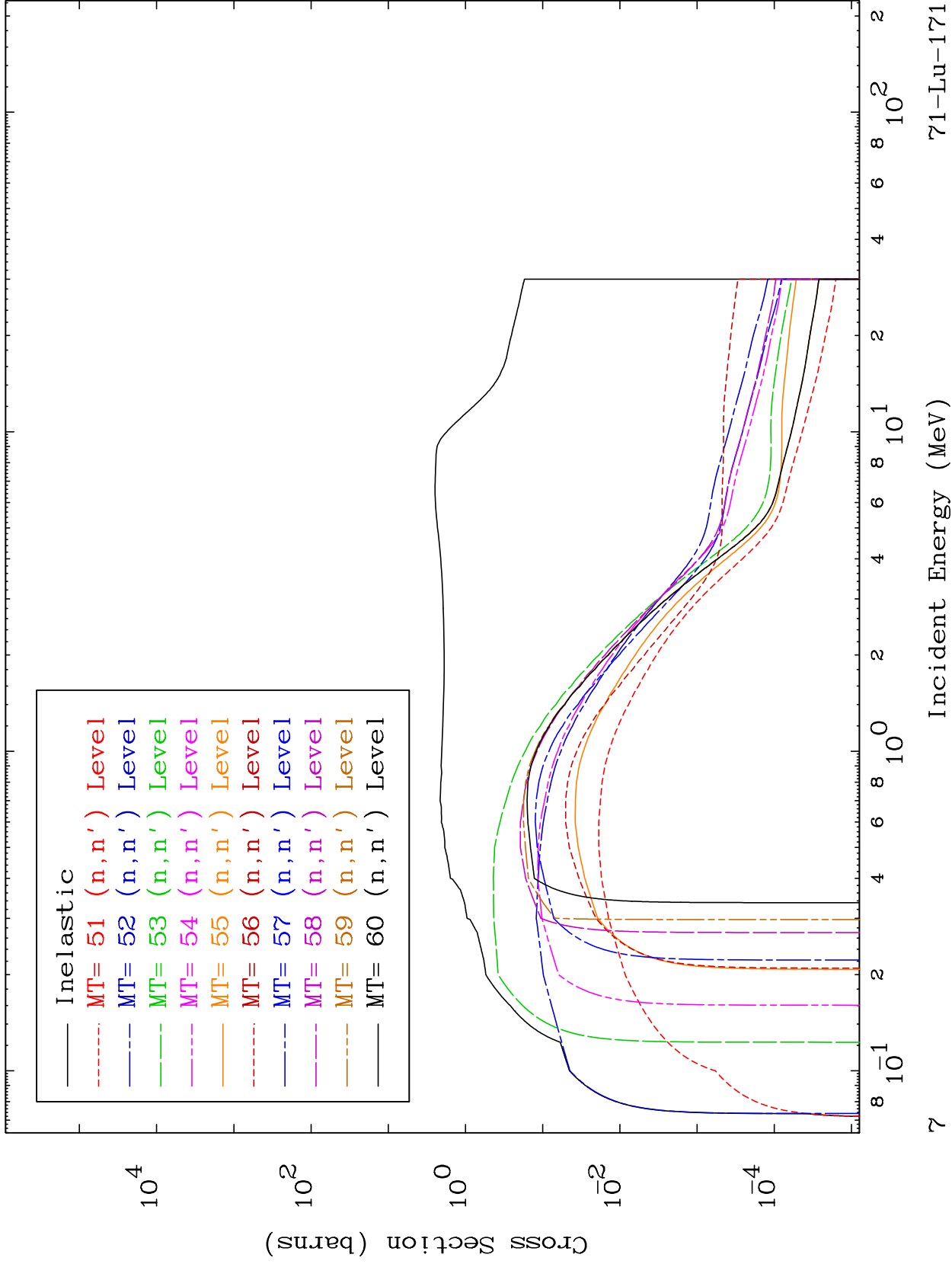
71-Lu-171



MAT 7113

293 (n,n') Level  
Kelvin Cross Sections

71-Lu-171



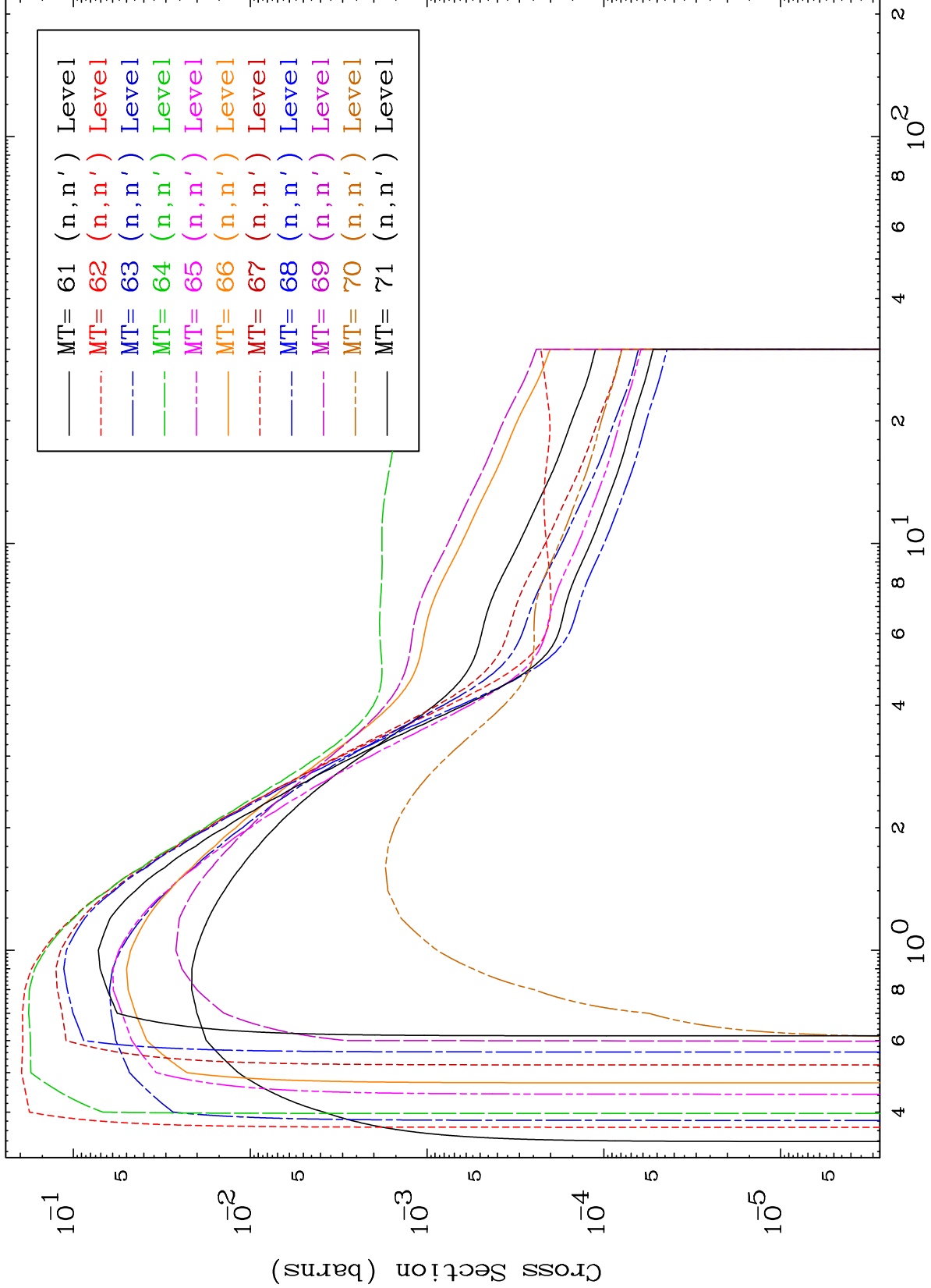


MAT 7113

(n,n') Level

71-Lu-171

293 Kelvin Cross Sections



8

Incident Energy (MeV)

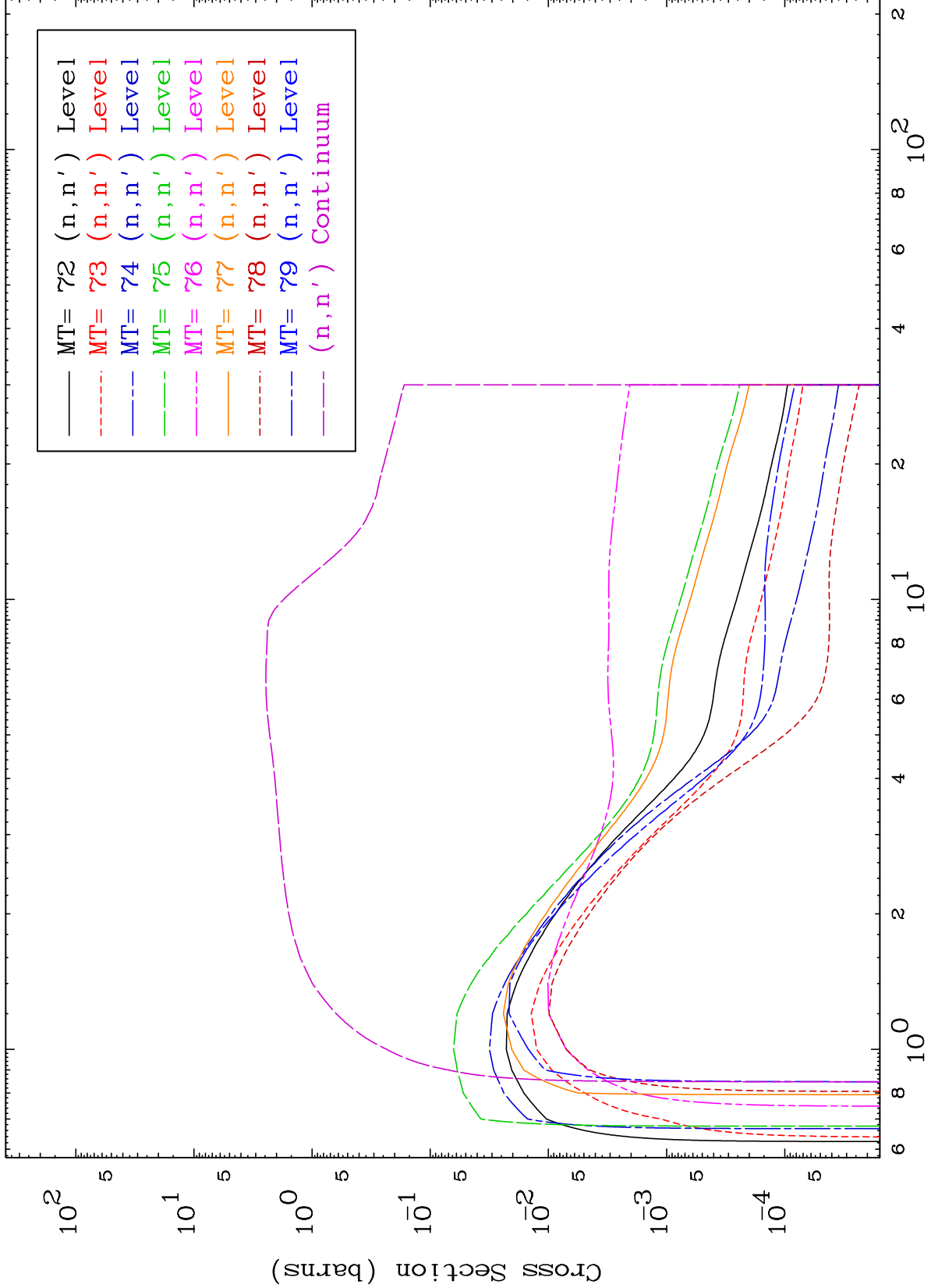
71-Lu-171

MAT 7113

(n,n') Level

71-Lu-171

293 Kelvin Cross Sections



9

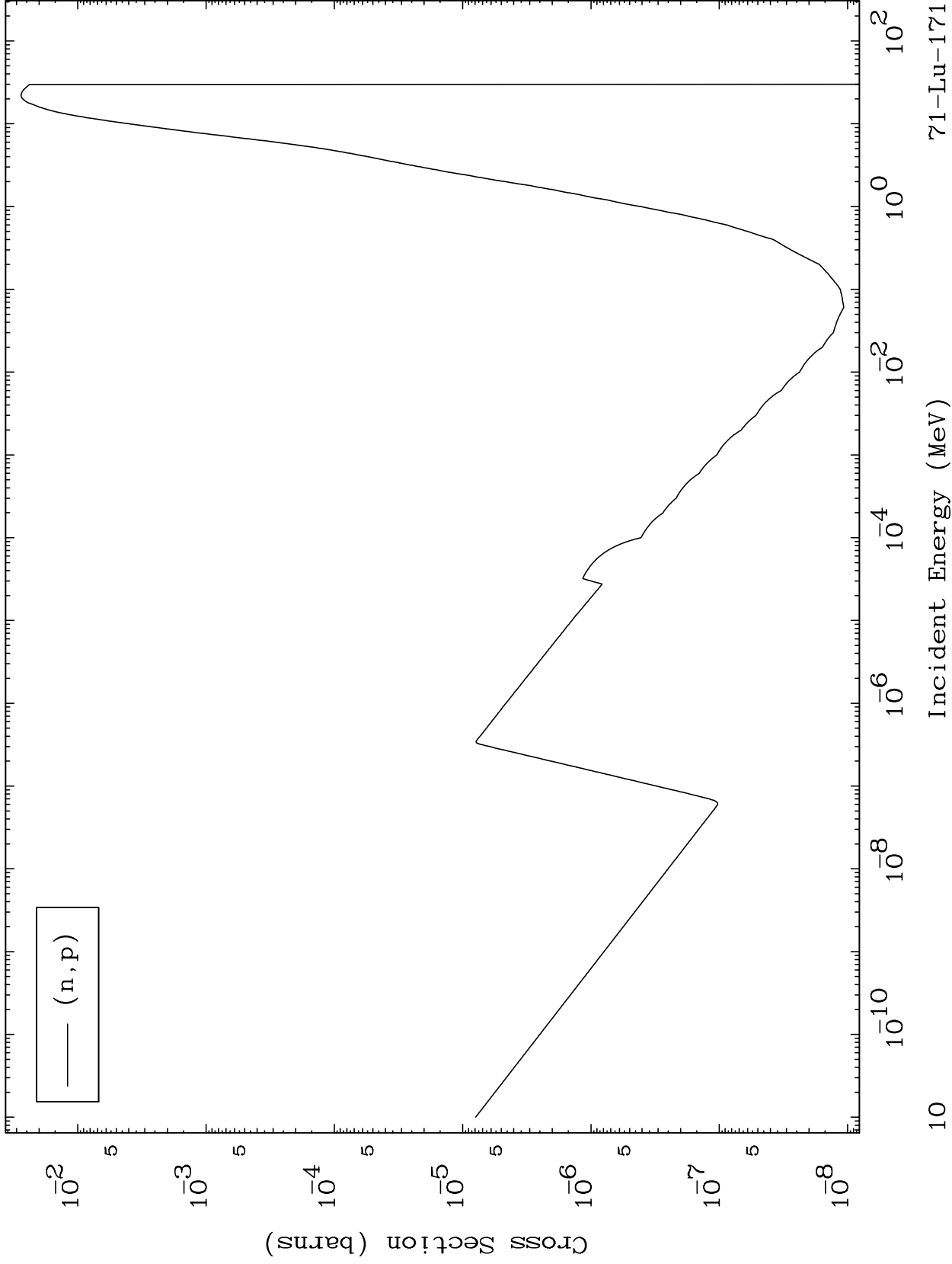
Incident Energy (MeV)

71-Lu-171

MAT 7113

(n,p) Levels  
293 Kelvin Cross Sections

71-Lu-171



10

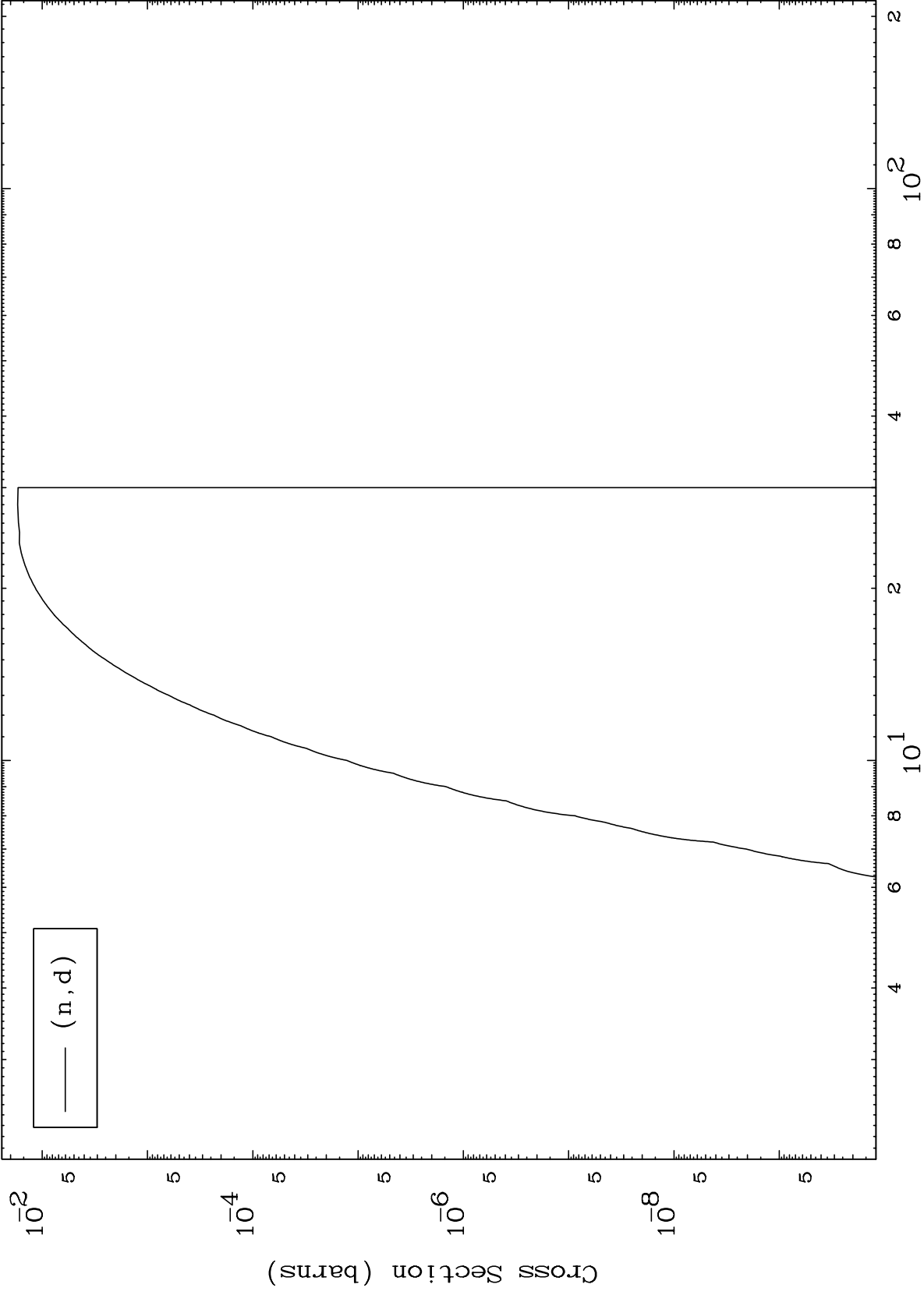
Incident Energy (MeV)

71-Lu-171

MAT 7113

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-171



11

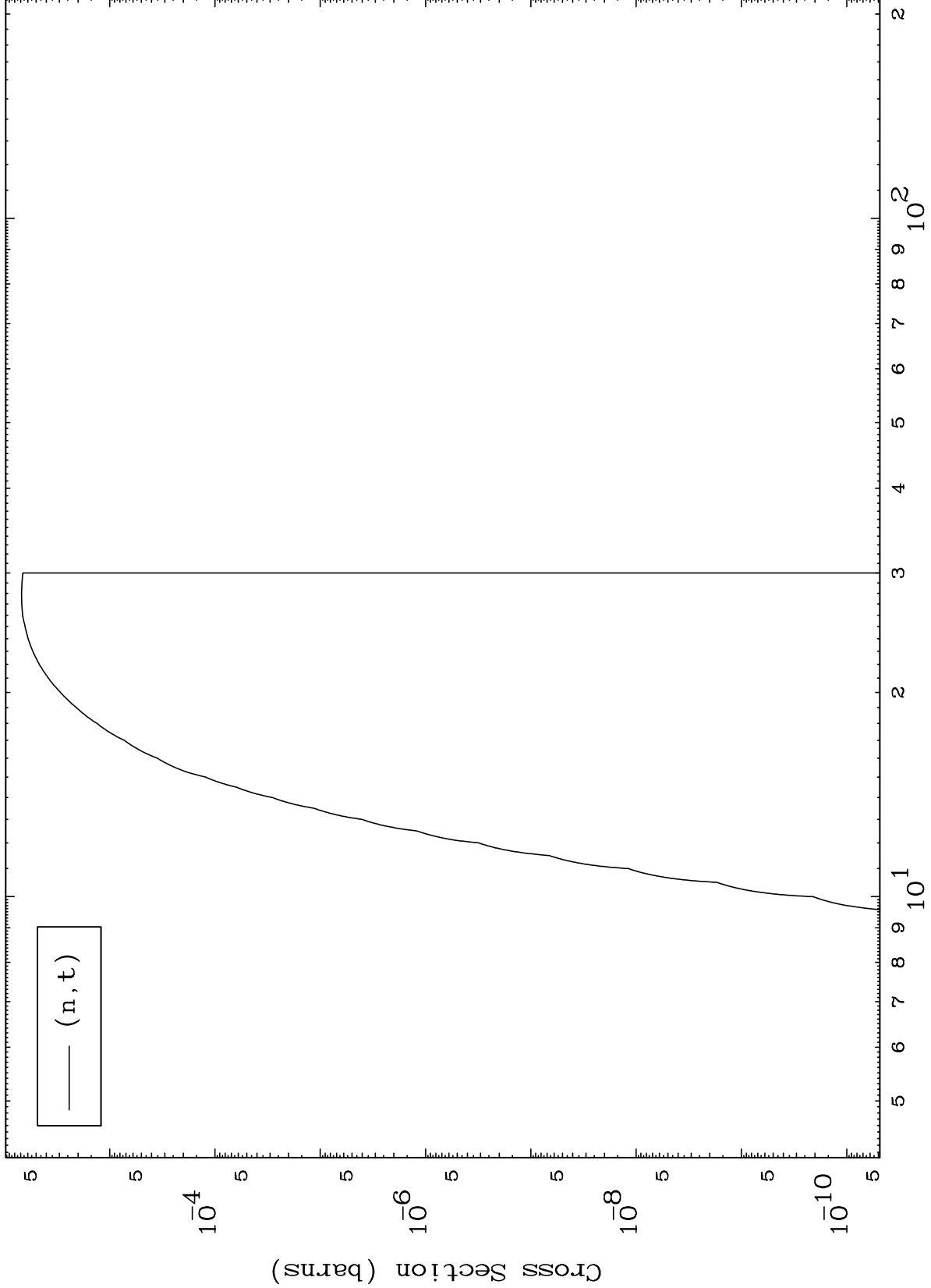
Incident Energy (MeV)

71-Lu-171

MAT 7113

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-171



12

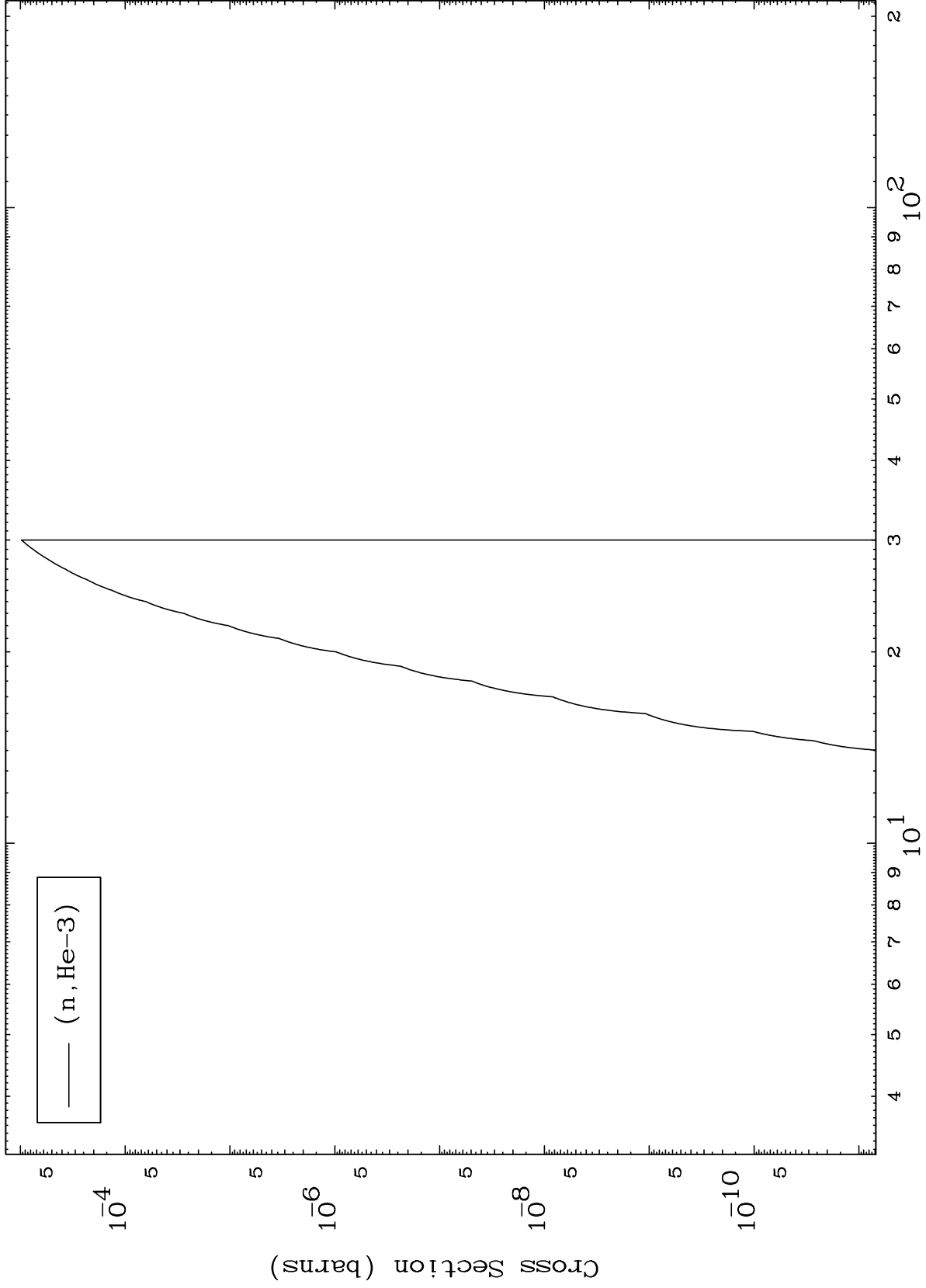
Incident Energy (MeV)

71-Lu-171

MAT 7113

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-171



13

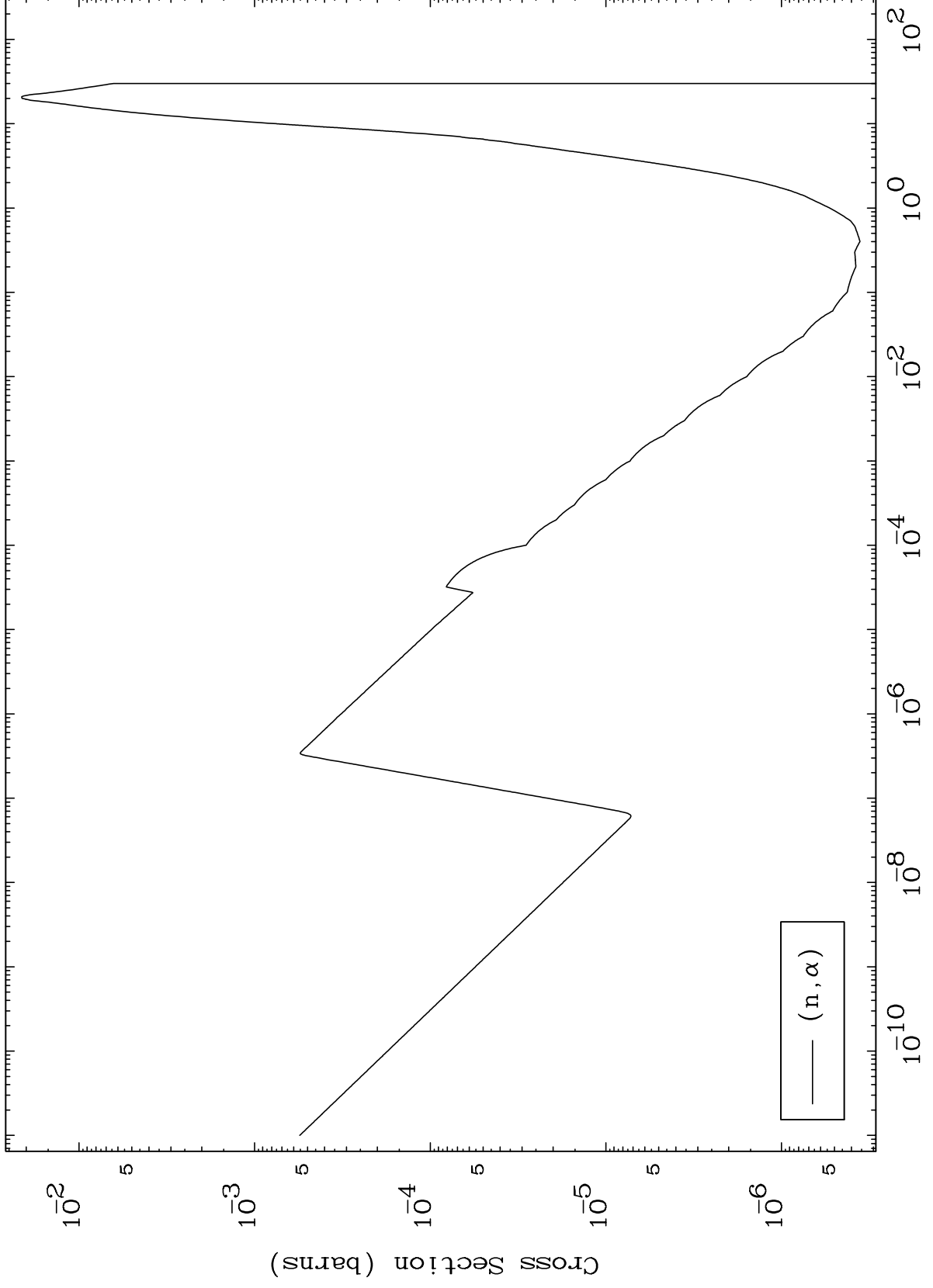
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

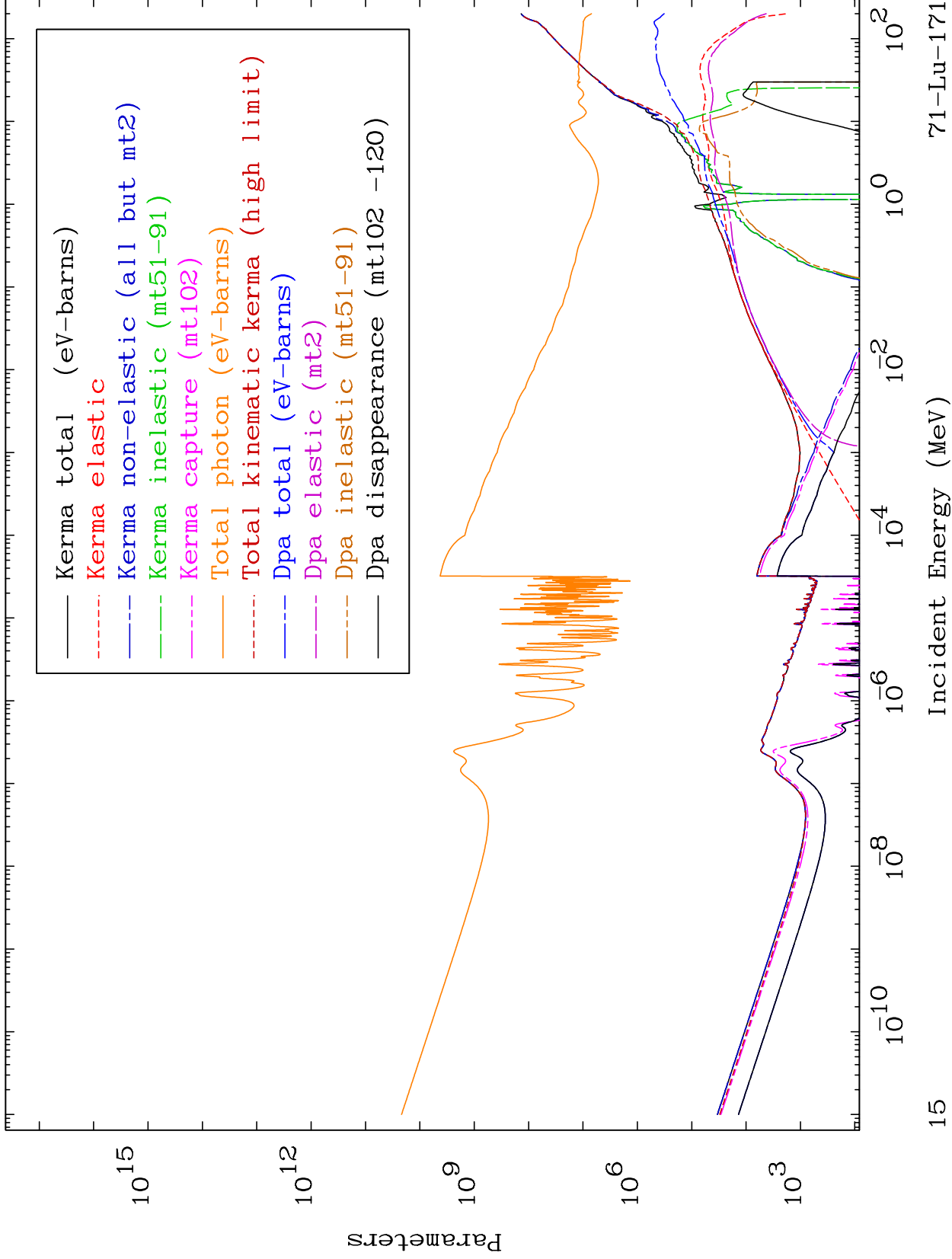
71-Lu-171



14

Incident Energy (MeV)

71-Lu-171

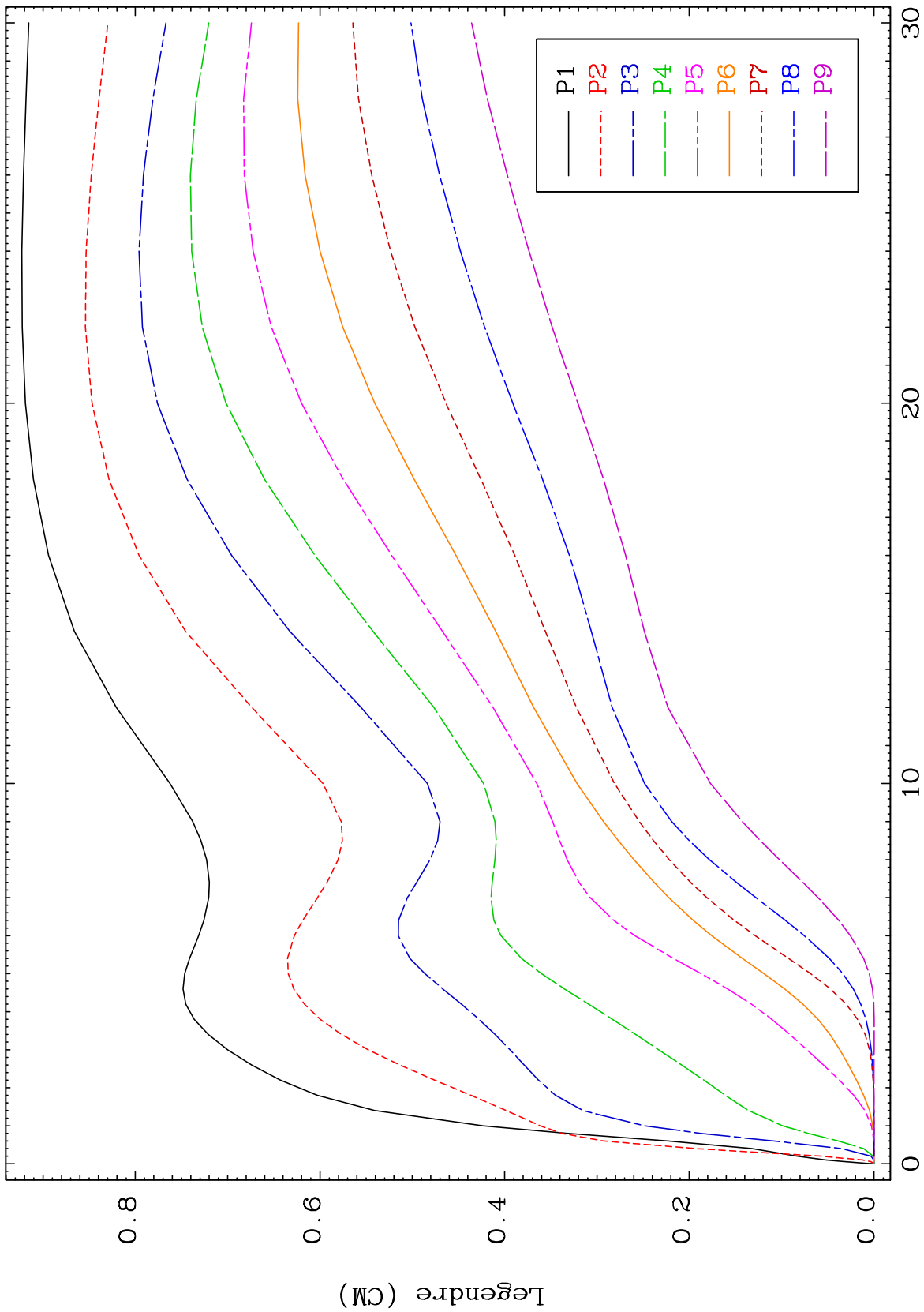




MAT 7113

71-Lu-171

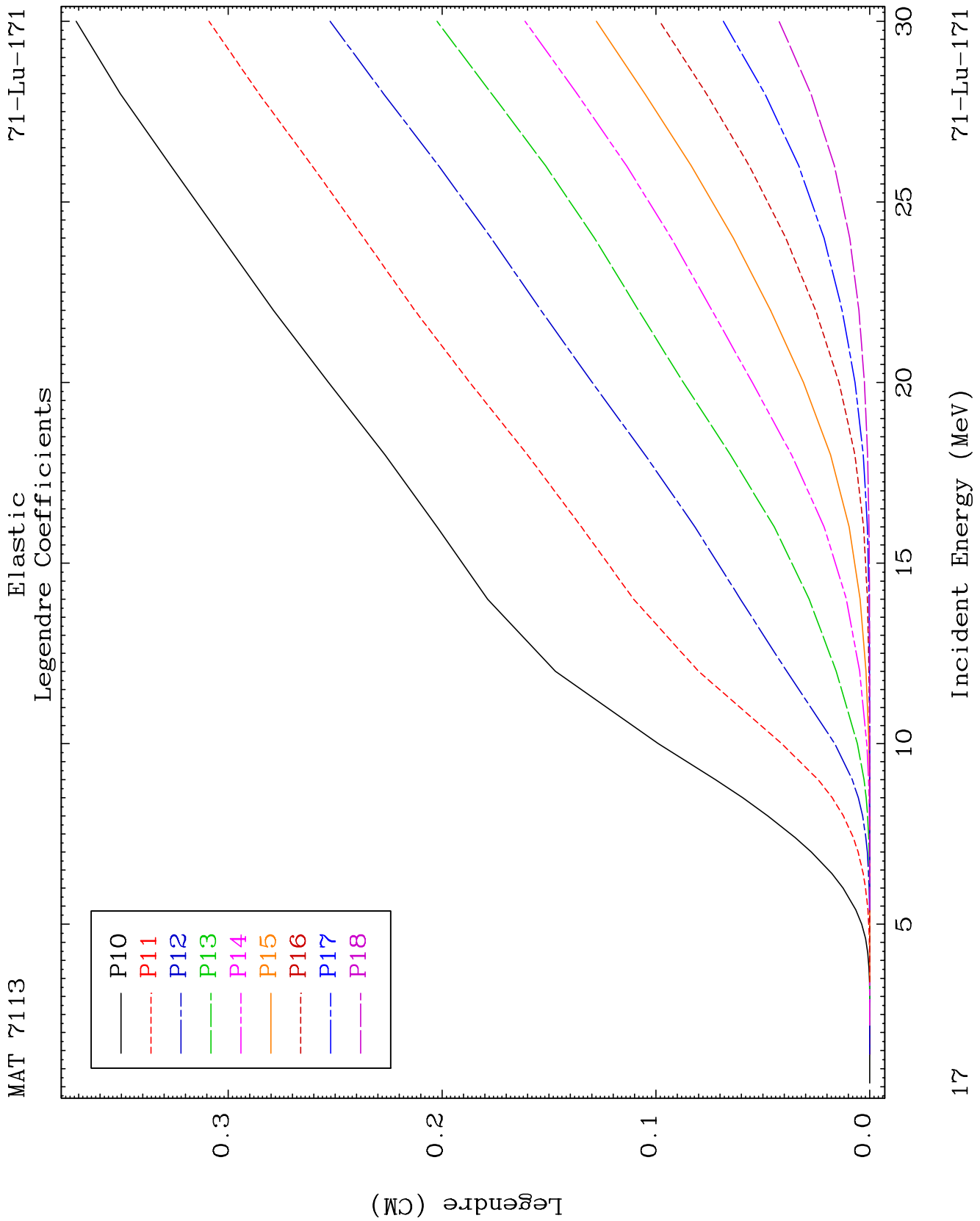
Elastic Legendre Coefficients



71-Lu-171

Incident Energy (MeV)

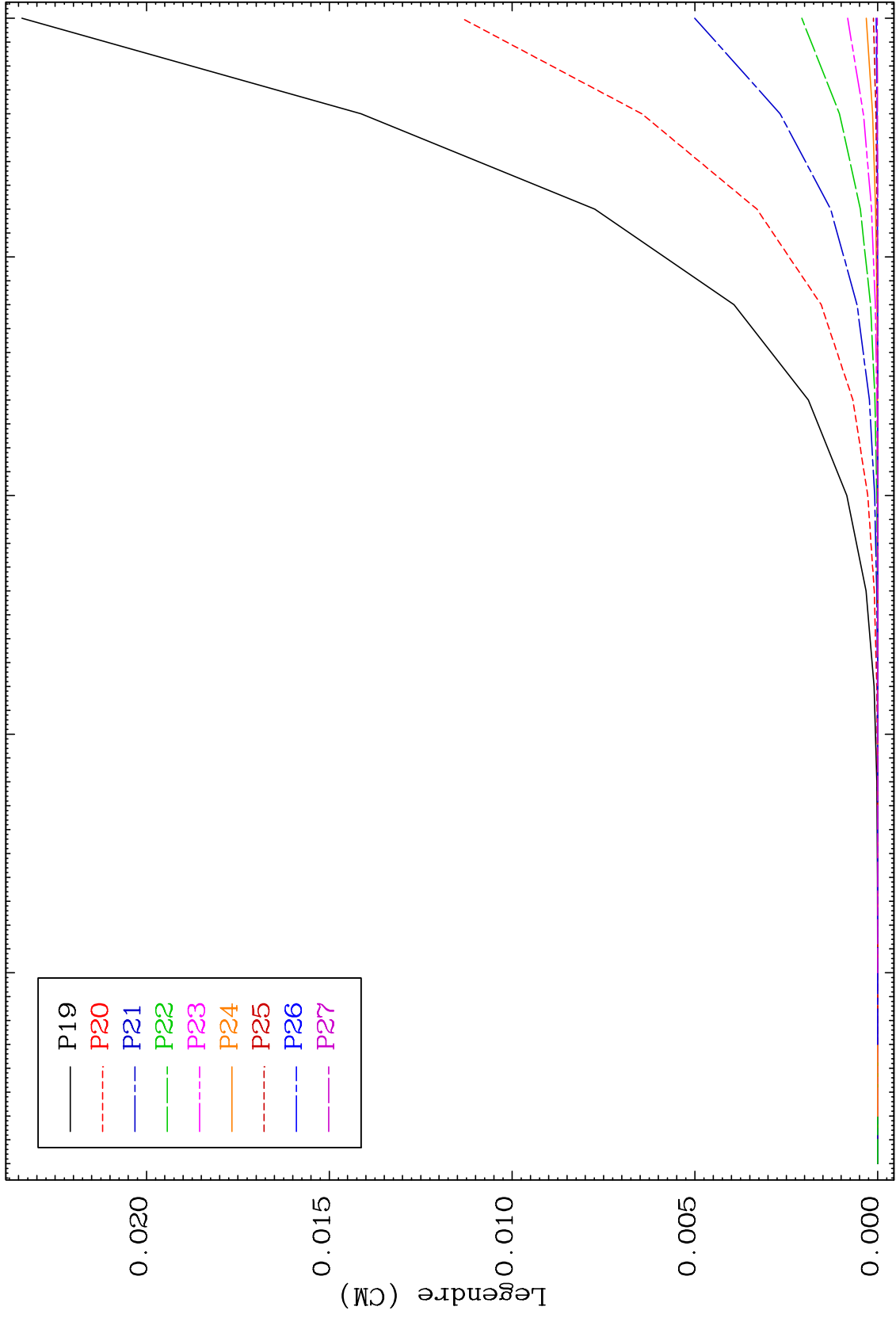
16



MAT 7113

### Elastic Legendre Coefficients

71-Lu-171



18

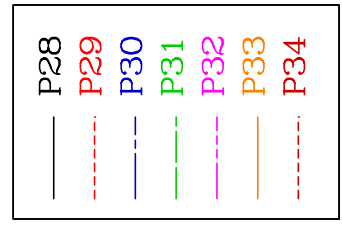
Incident Energy (MeV)

71-Lu-171

MAT 7113

Elastic Legendre Coefficients

71-Lu-171

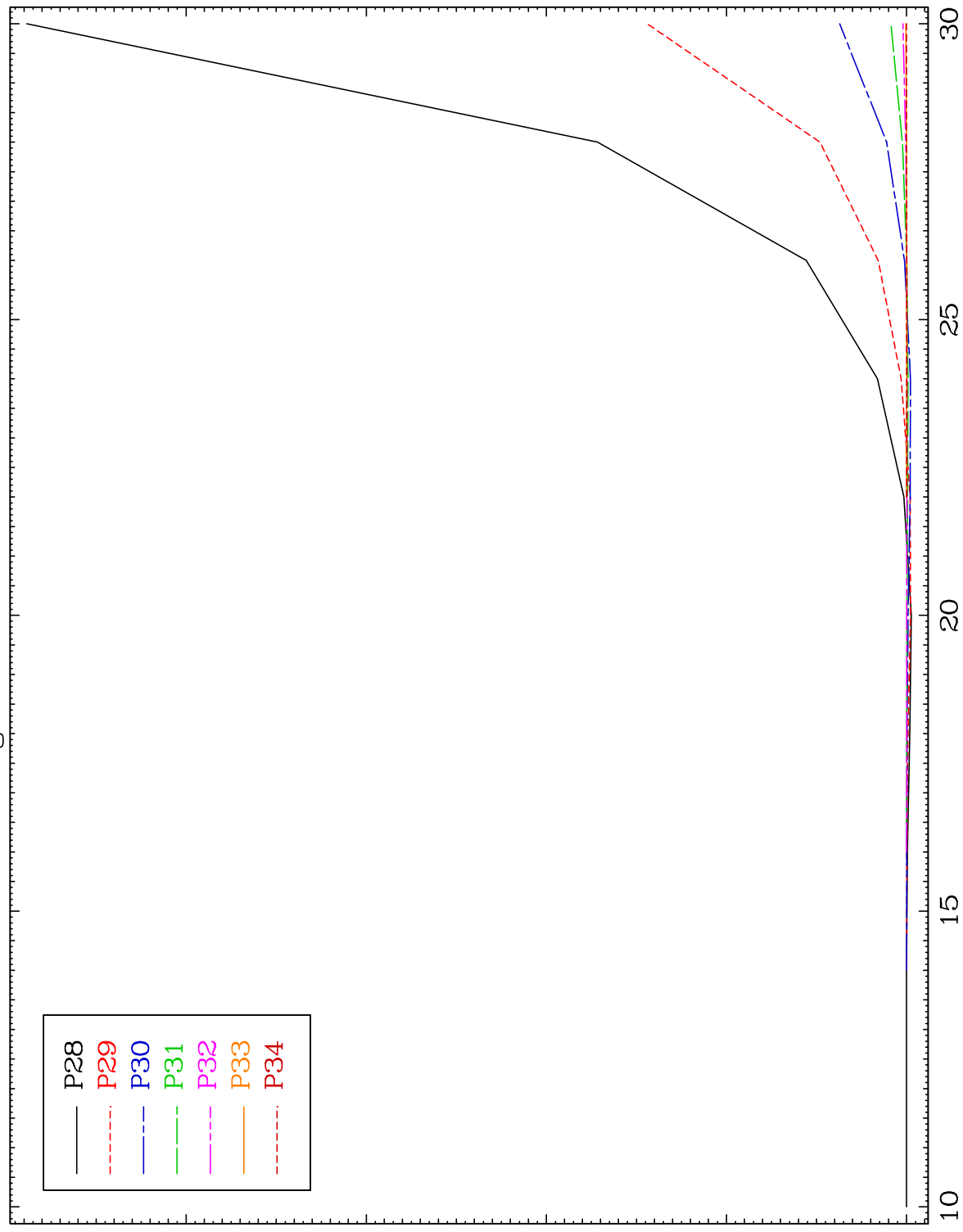


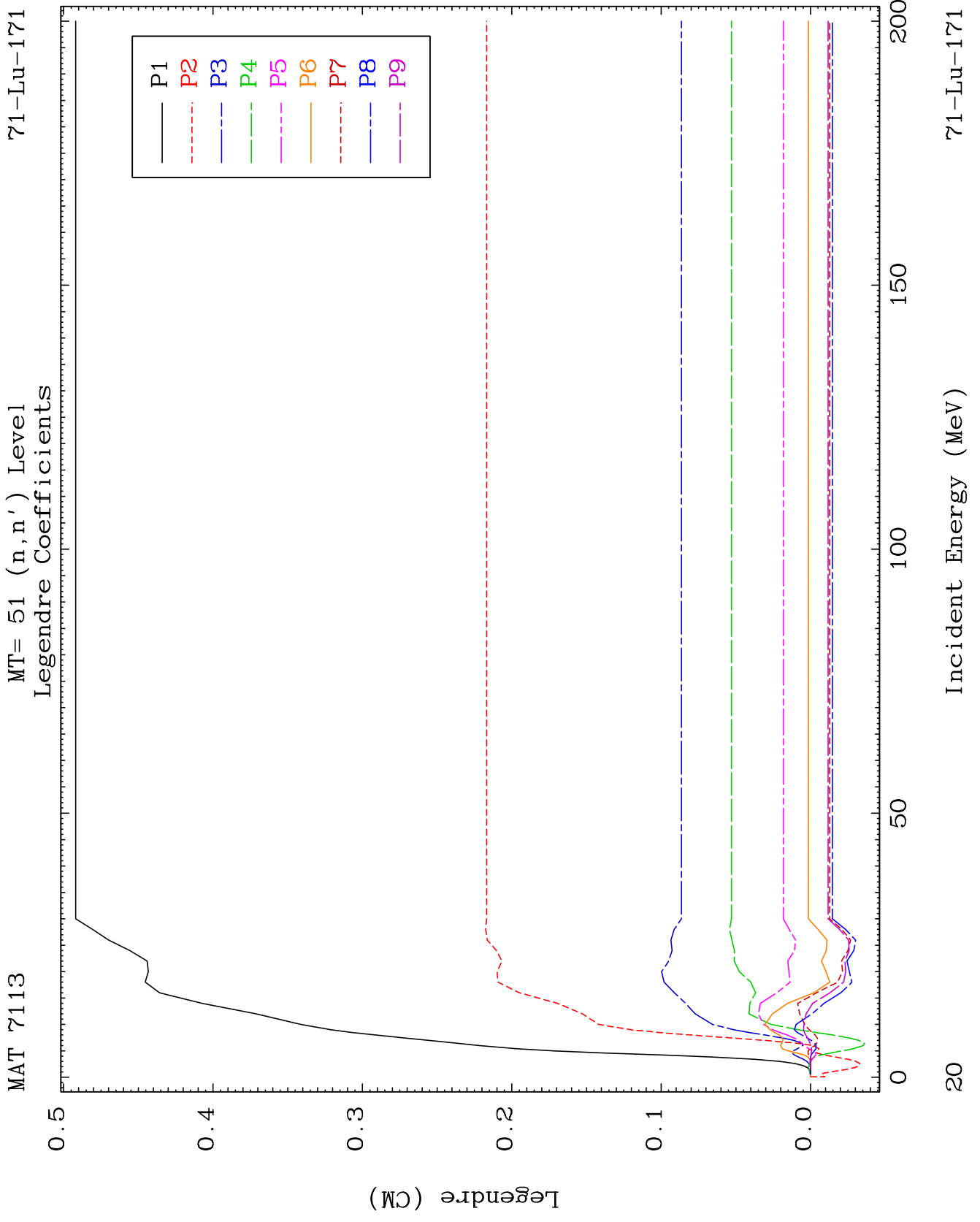
$\times 10^{-6}$

Legendre (CM)

Incident Energy (MeV)

71-Lu-171

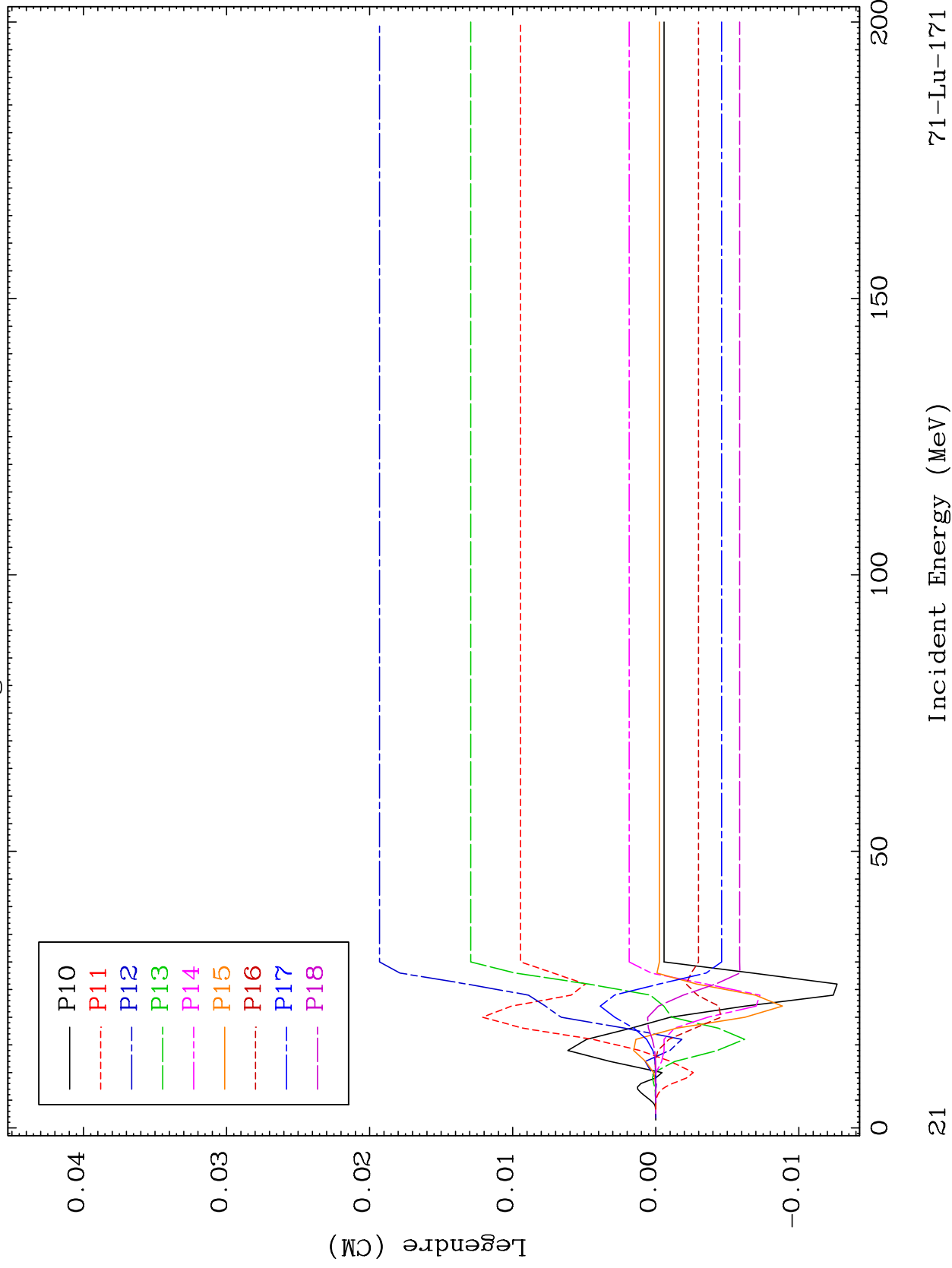




MAT 7113

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

71-Lu-171



71-Lu-171

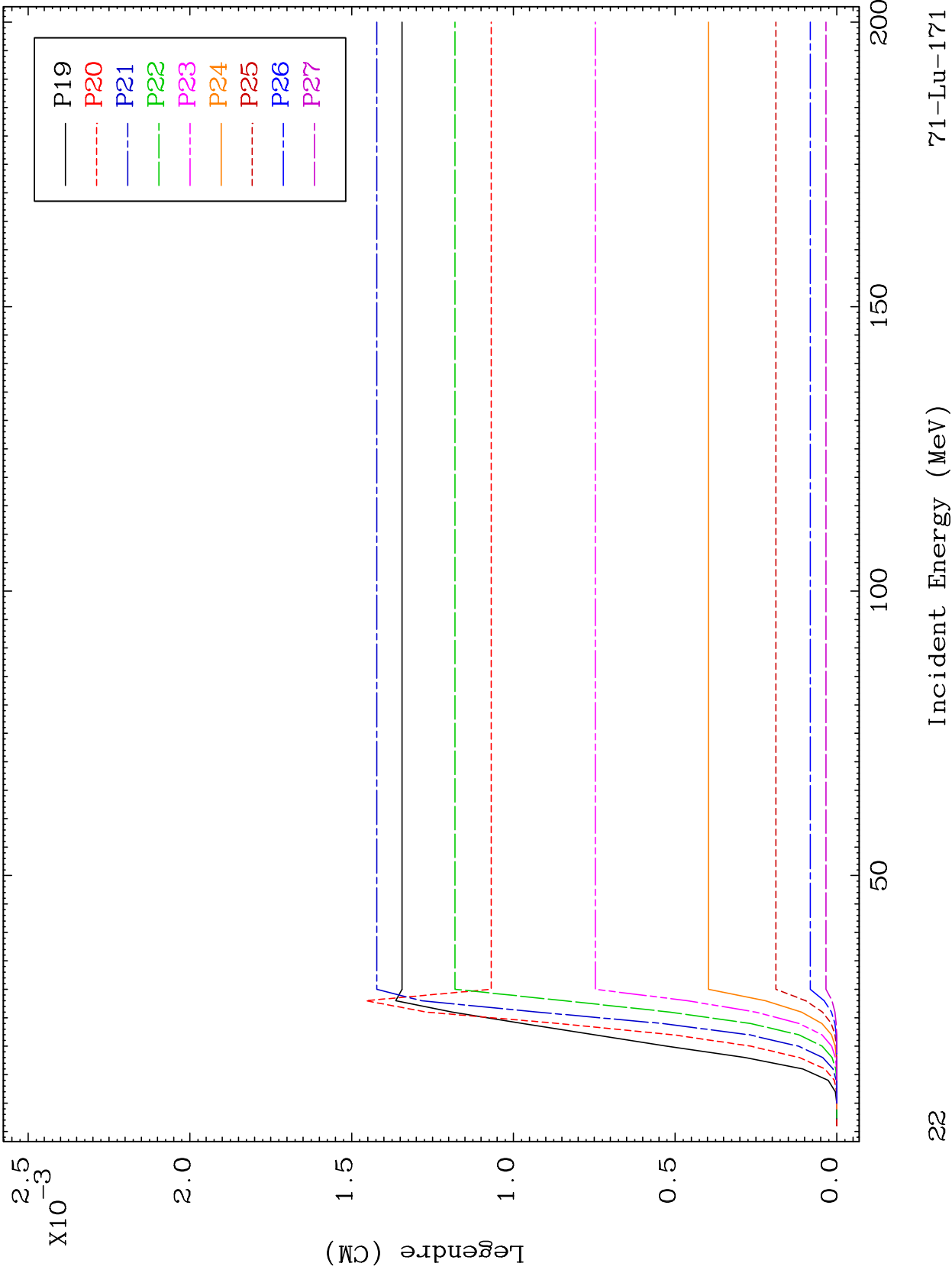
Incident Energy (MeV)

21

MAT 7113

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

71-Lu-171



22

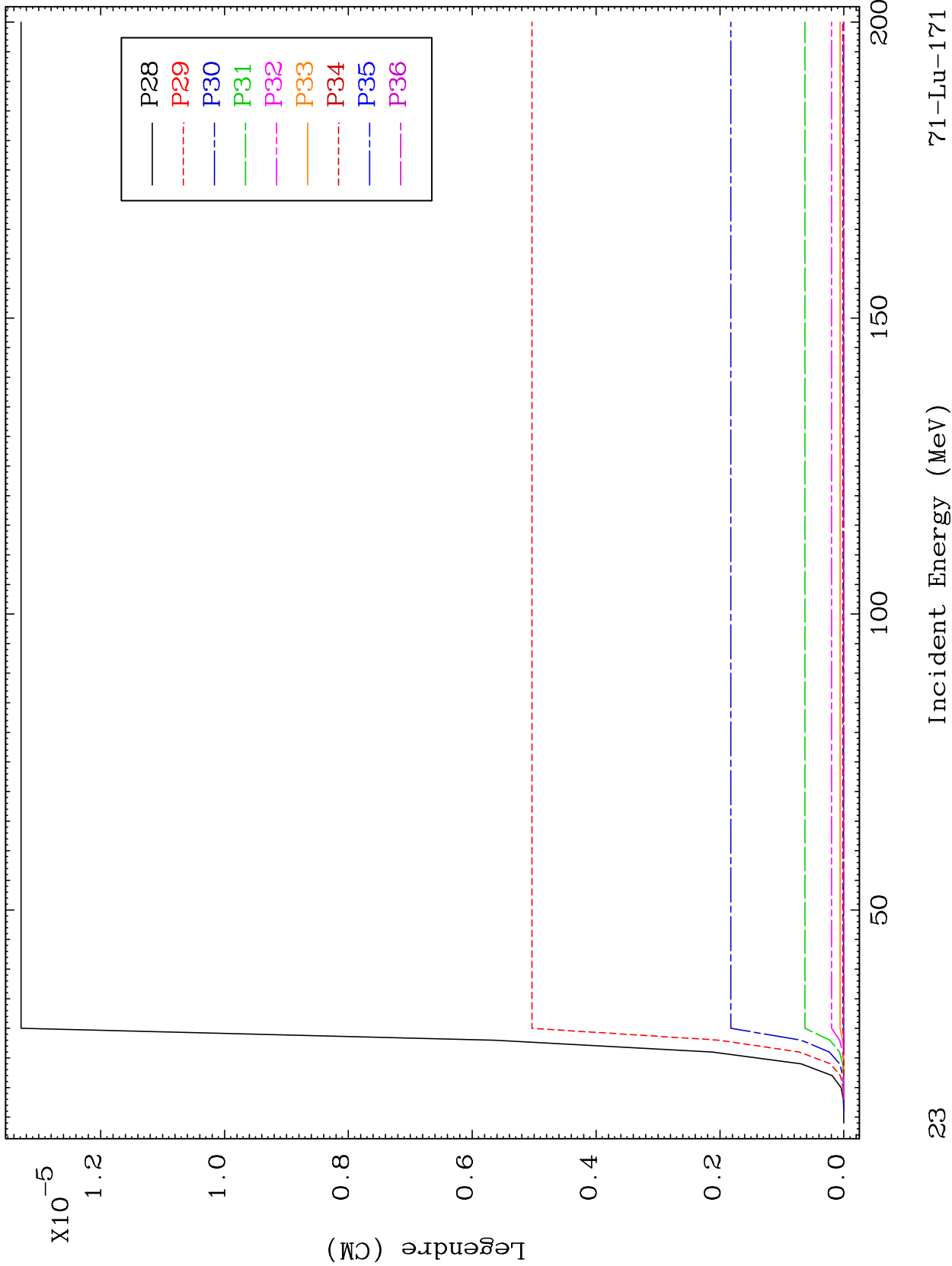
Incident Energy (MeV)

71-Lu-171

MAT 7113

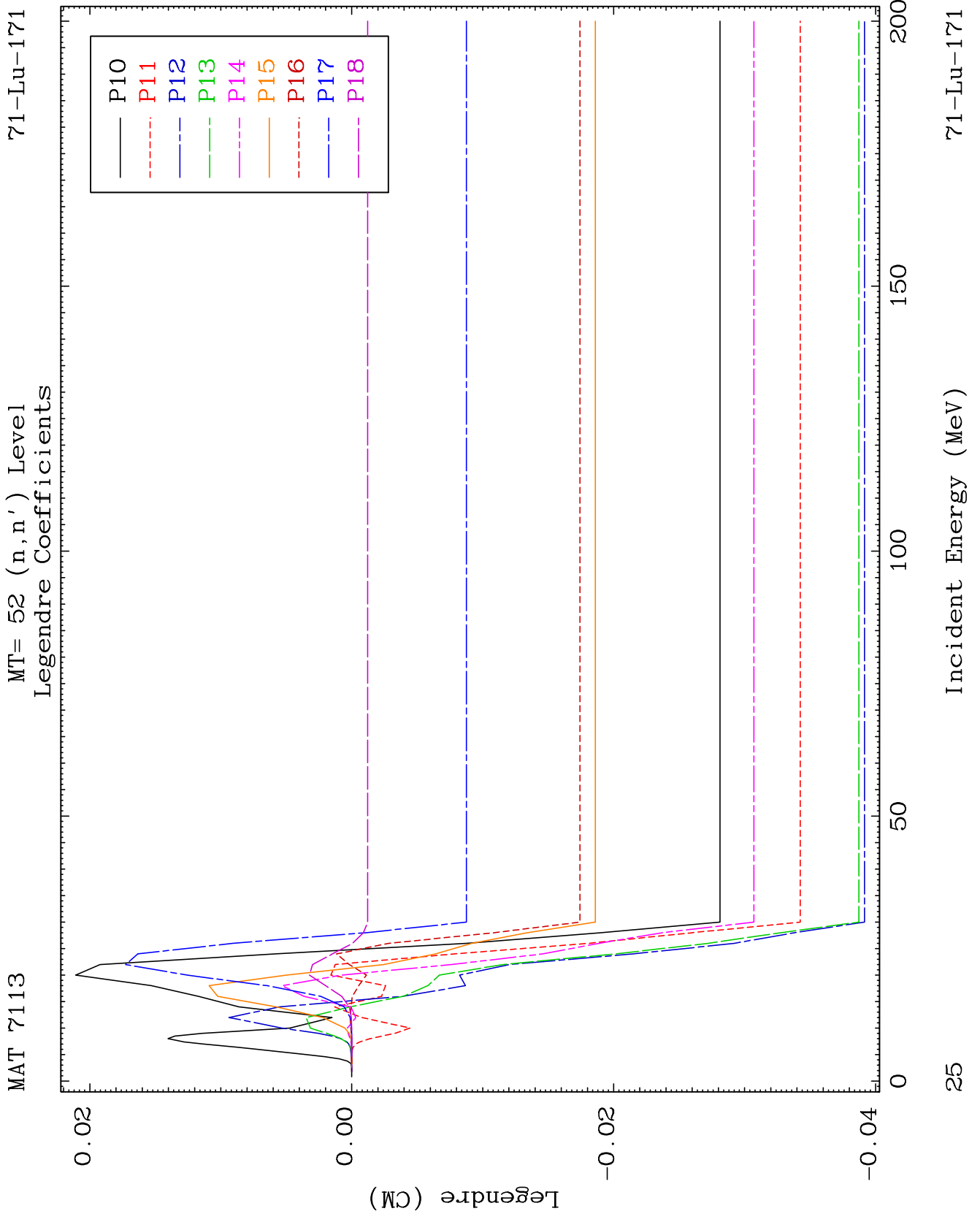
MT= 51 (n,n') Level  
Legendre Coefficients

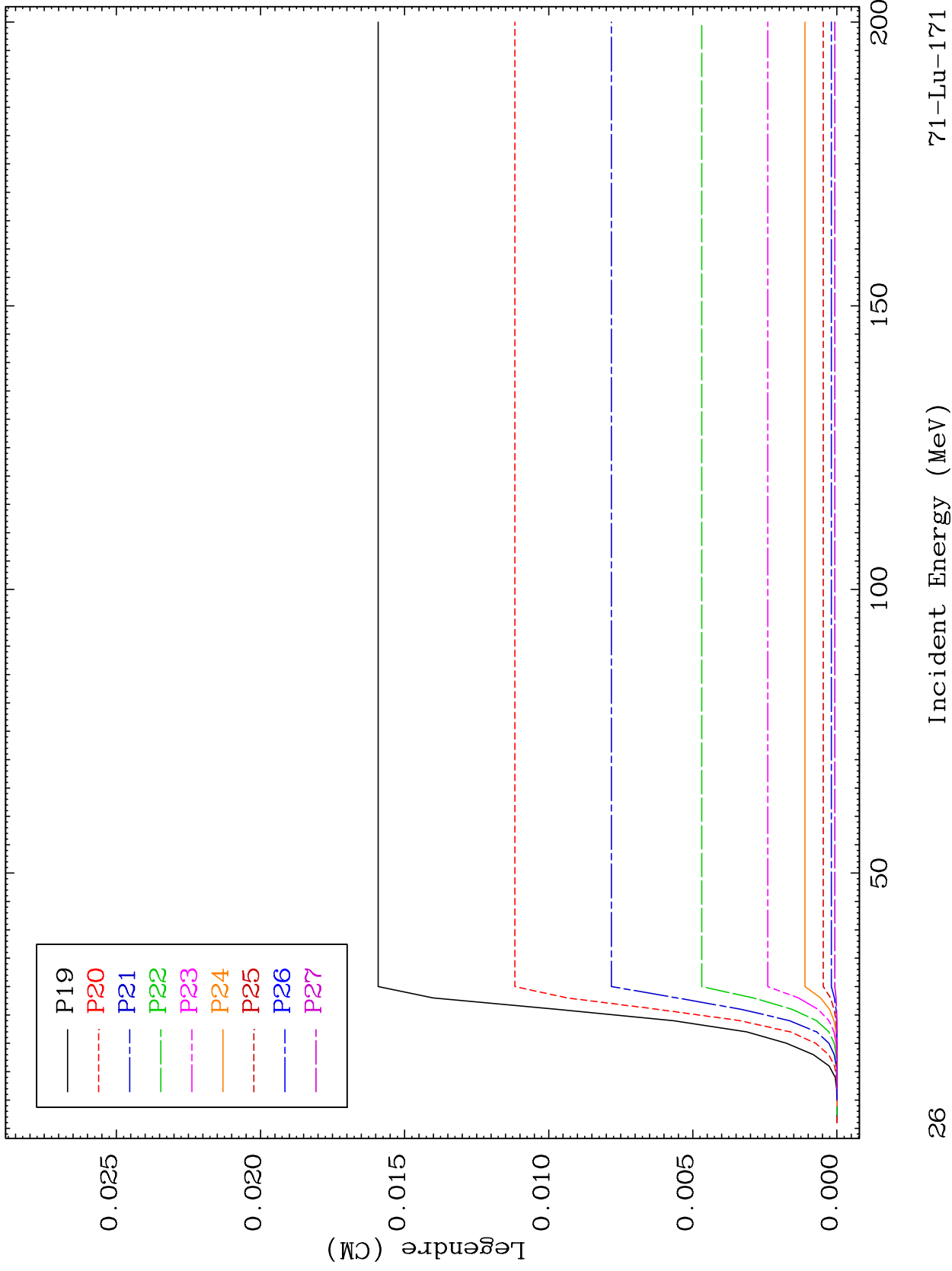
71-Lu-171

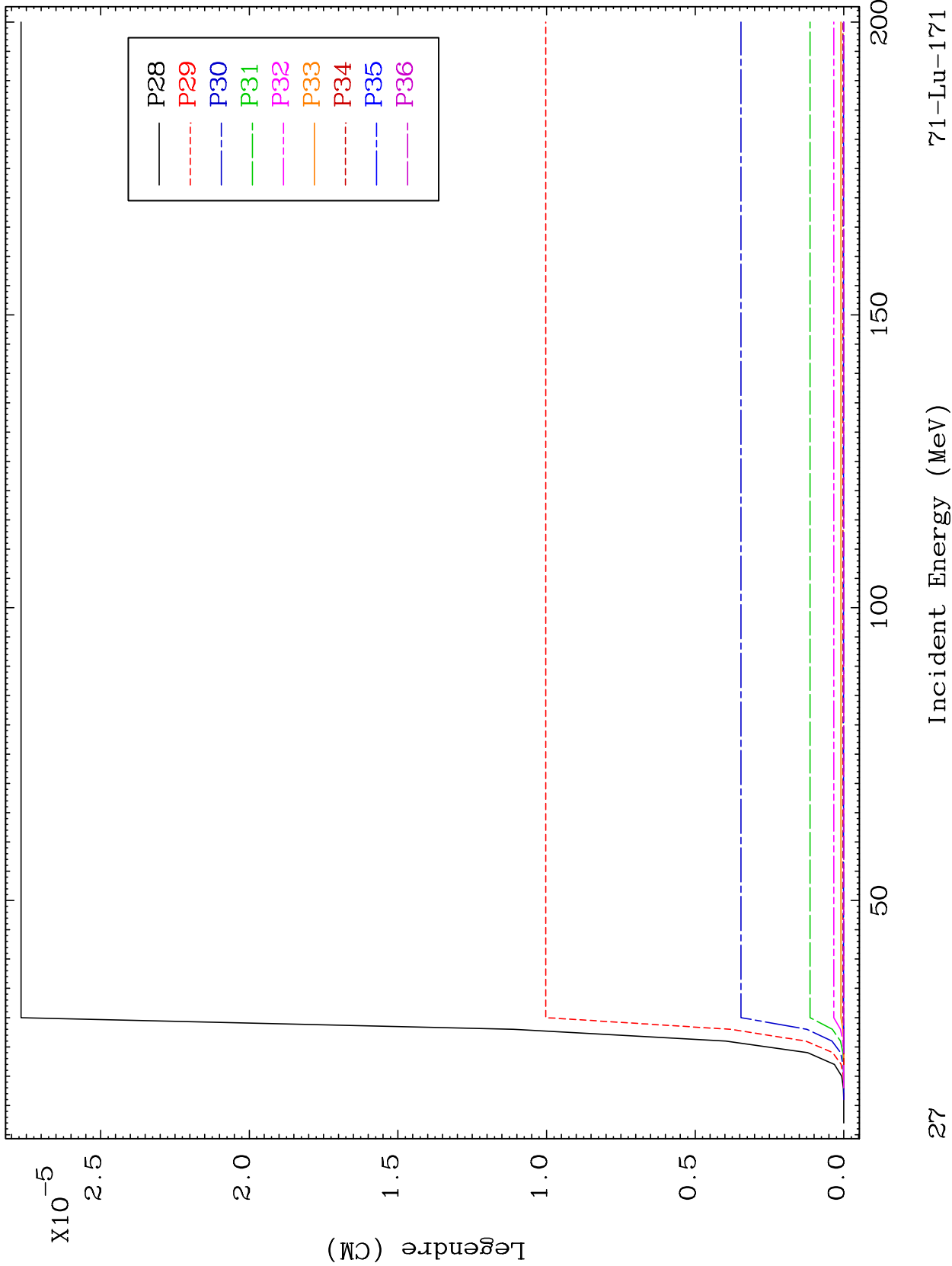








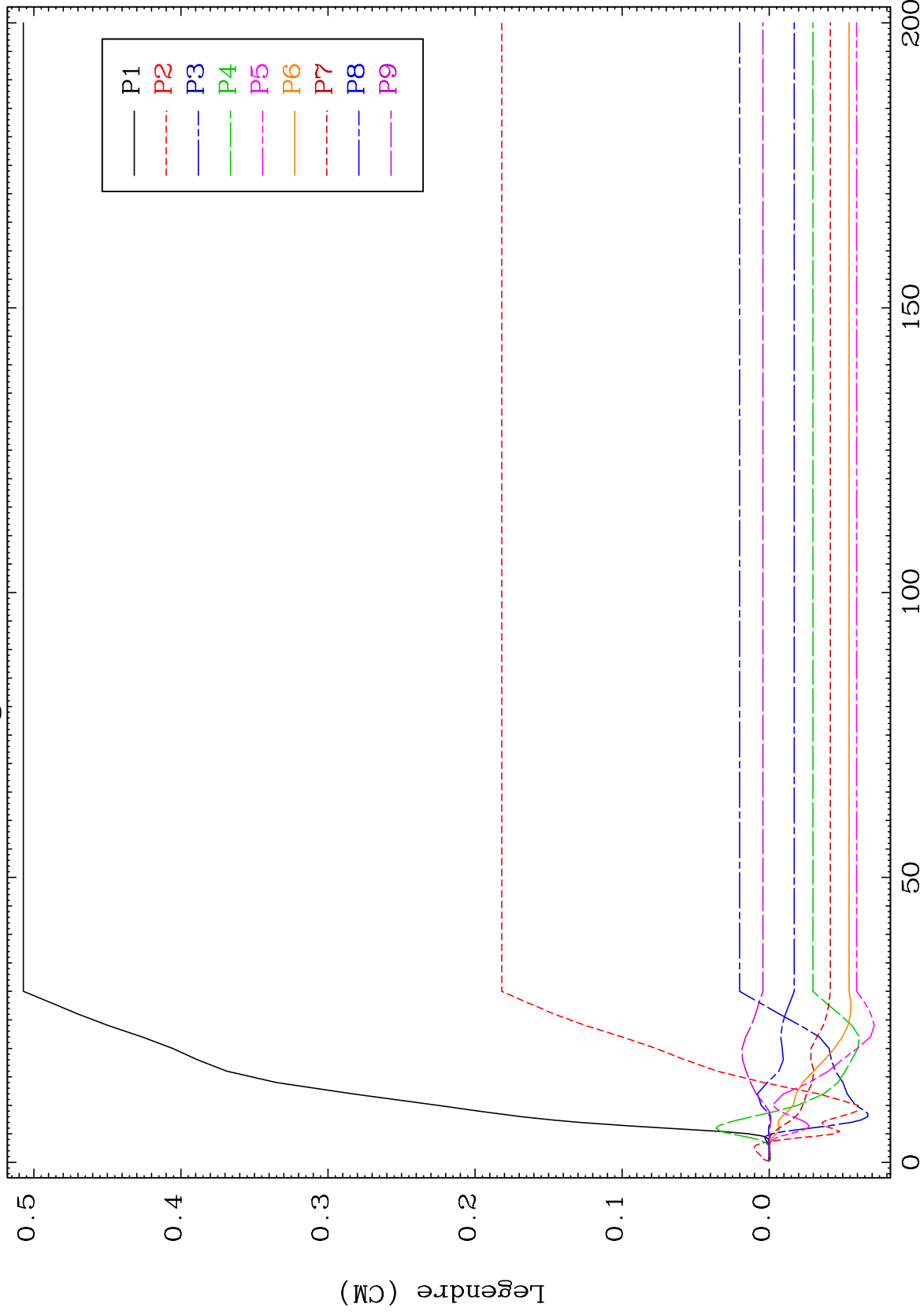




MAT 7113

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

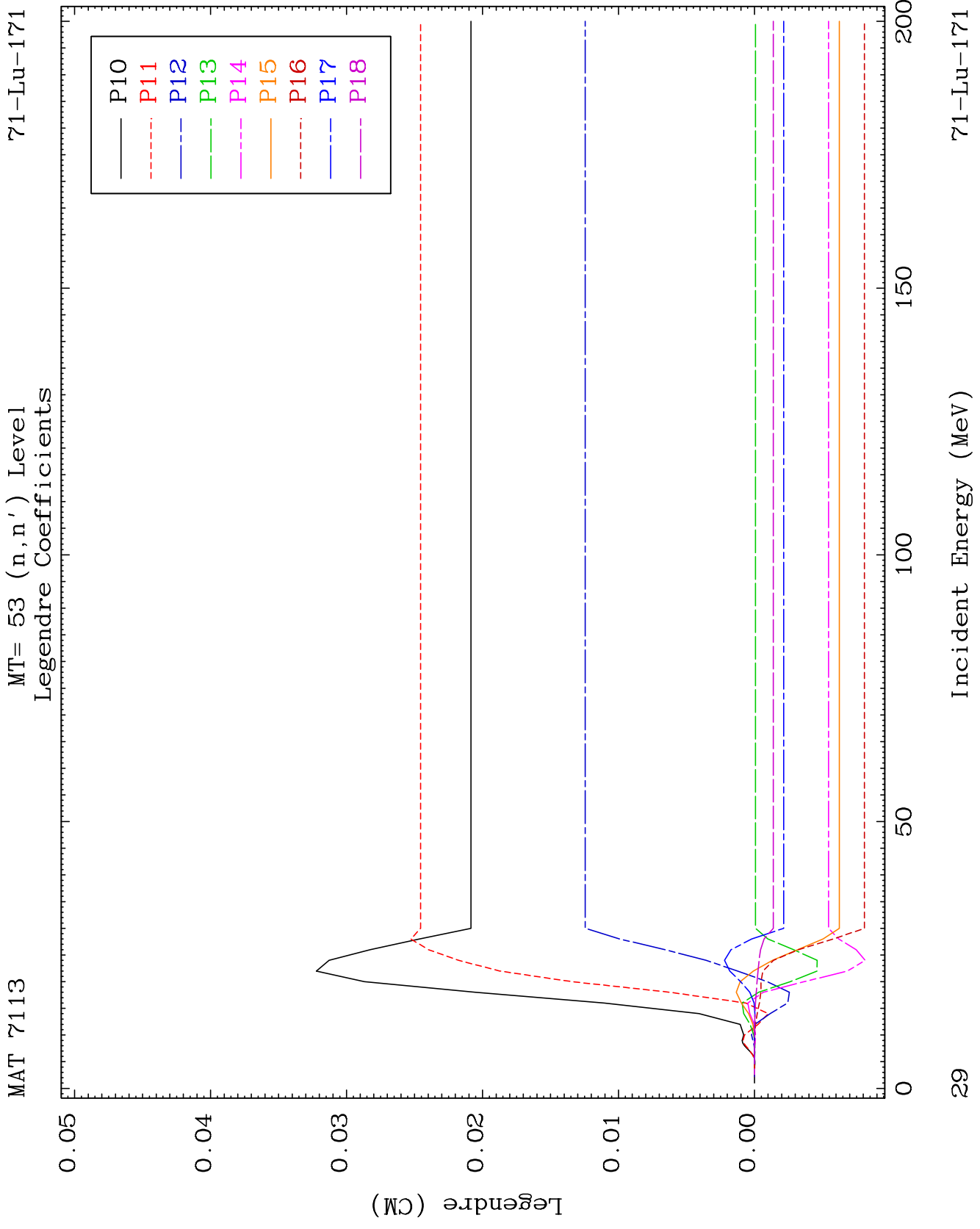
71-Lu-171



28

Incident Energy (MeV)

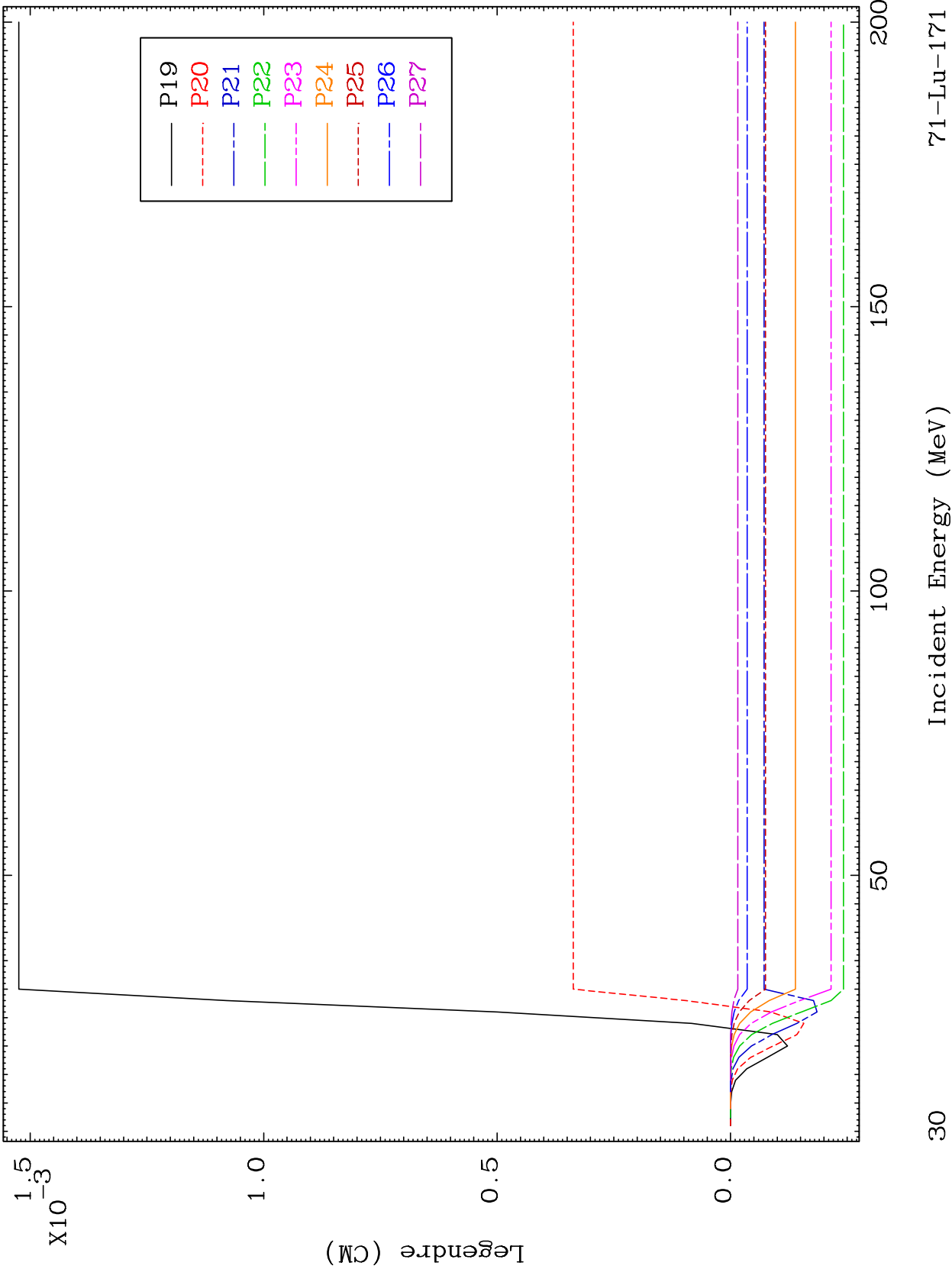
71-Lu-171



MAT 7113

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

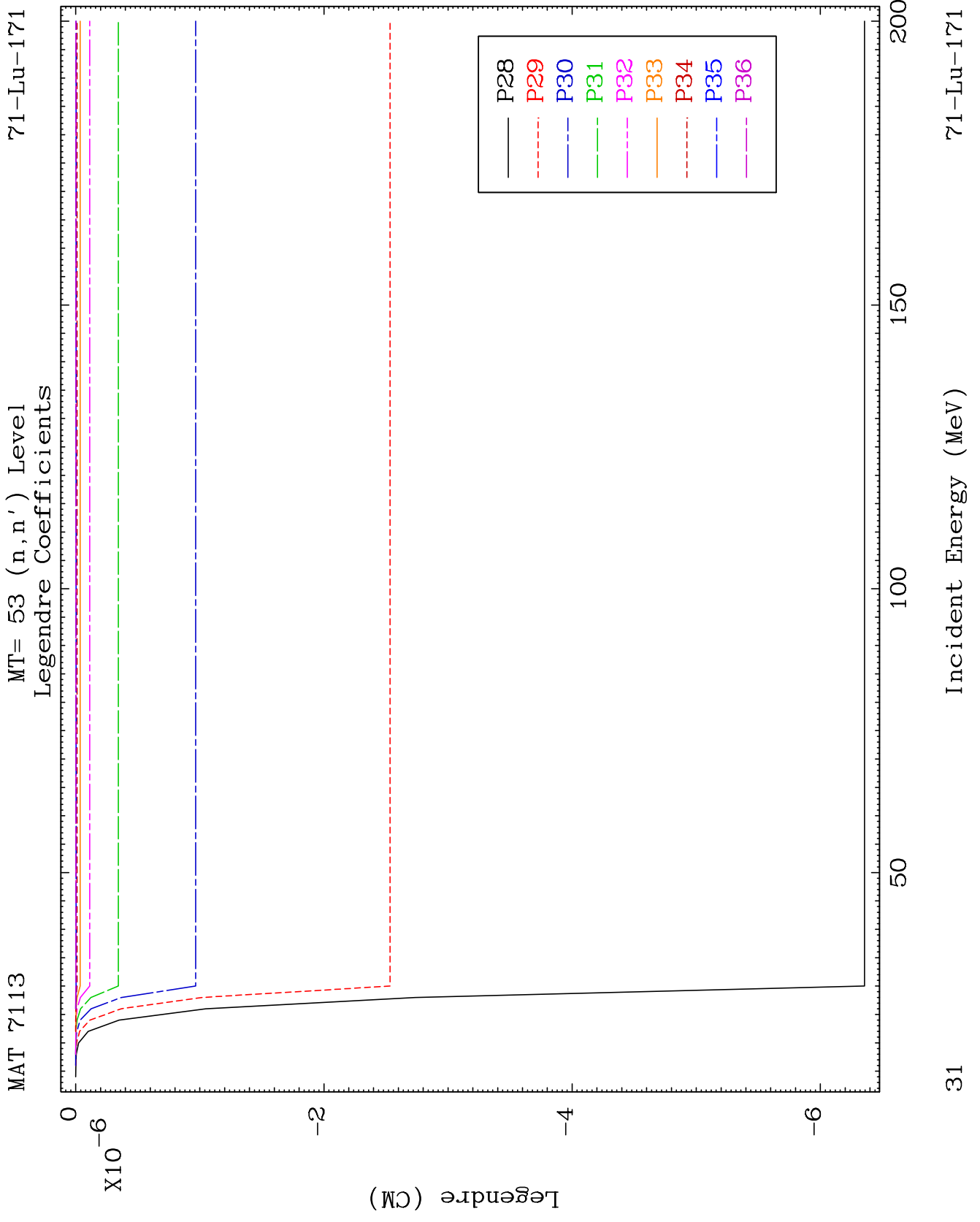
71-Lu-171



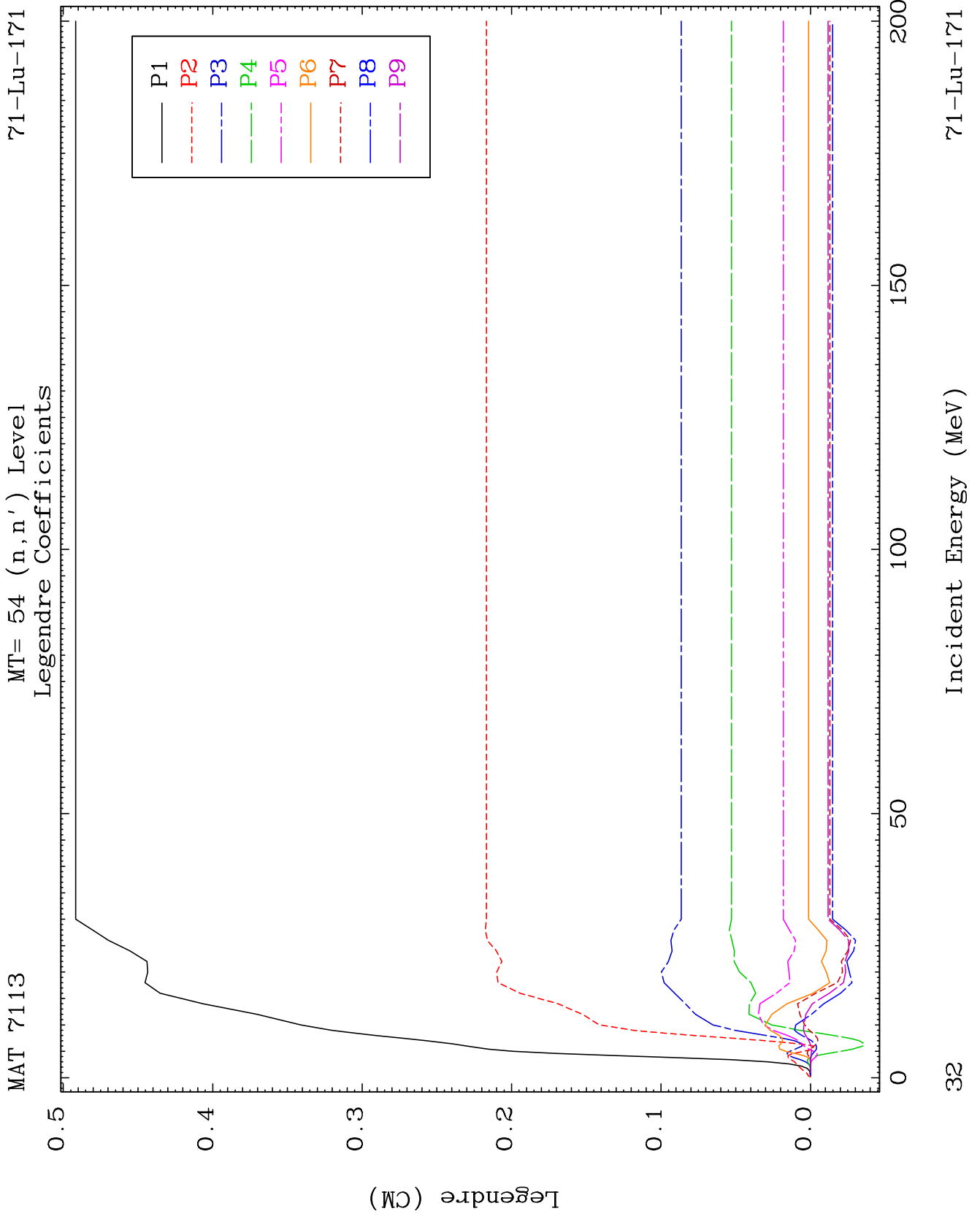
30

Incident Energy (MeV)

71-Lu-171



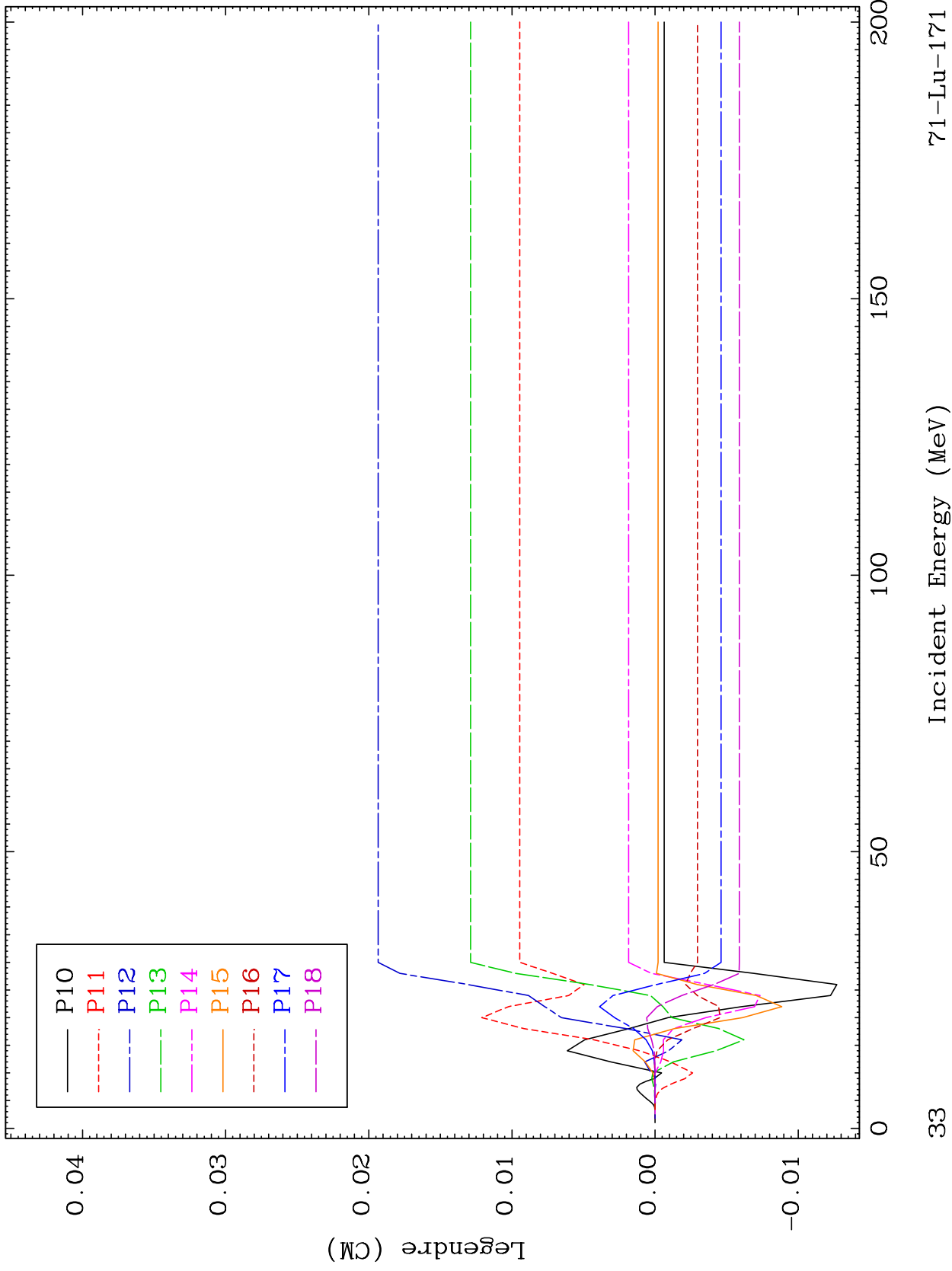




MAT 7113

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

71-Lu-171



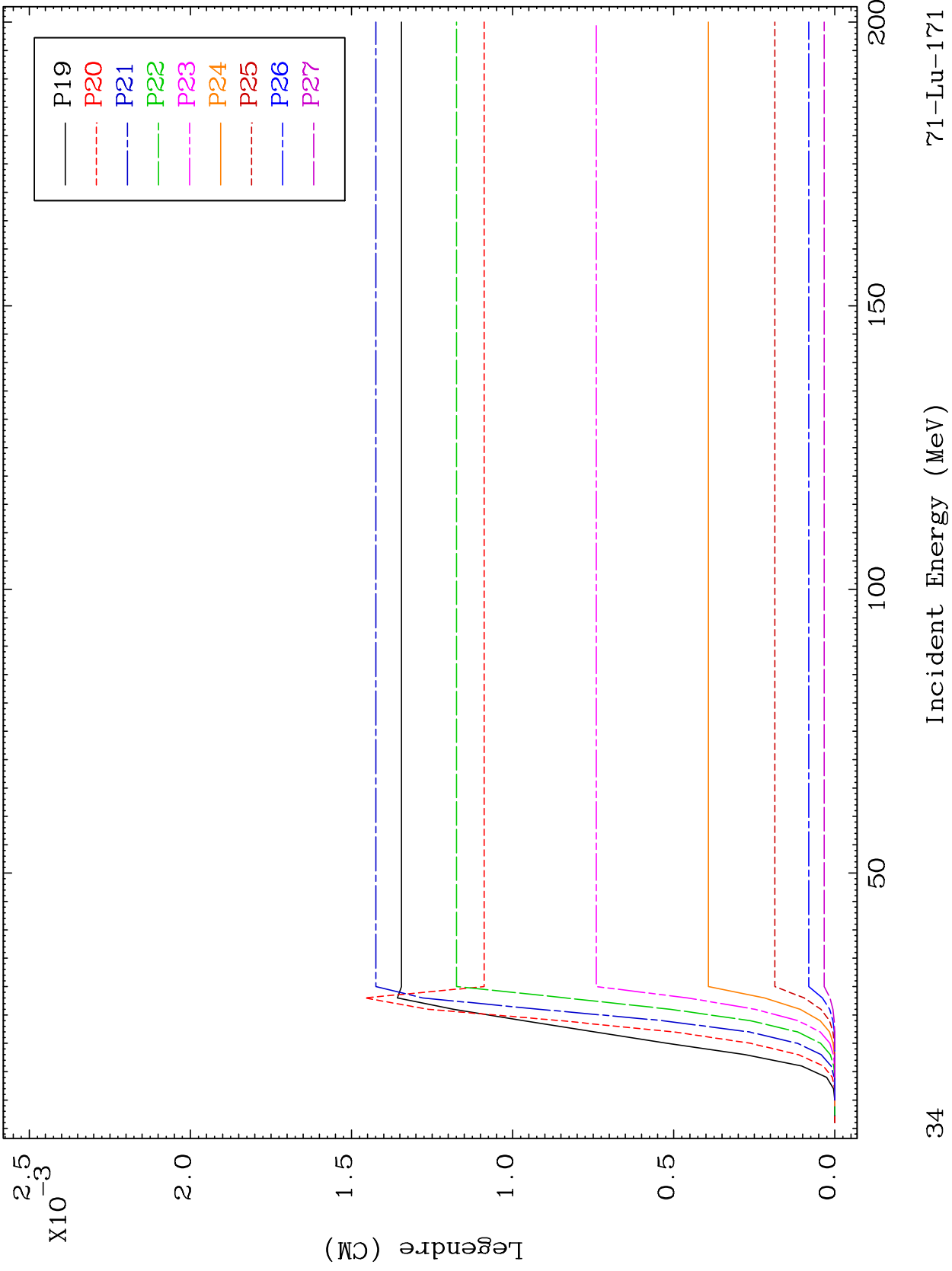
33

71-Lu-171

MAT 7113

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

71-Lu-171



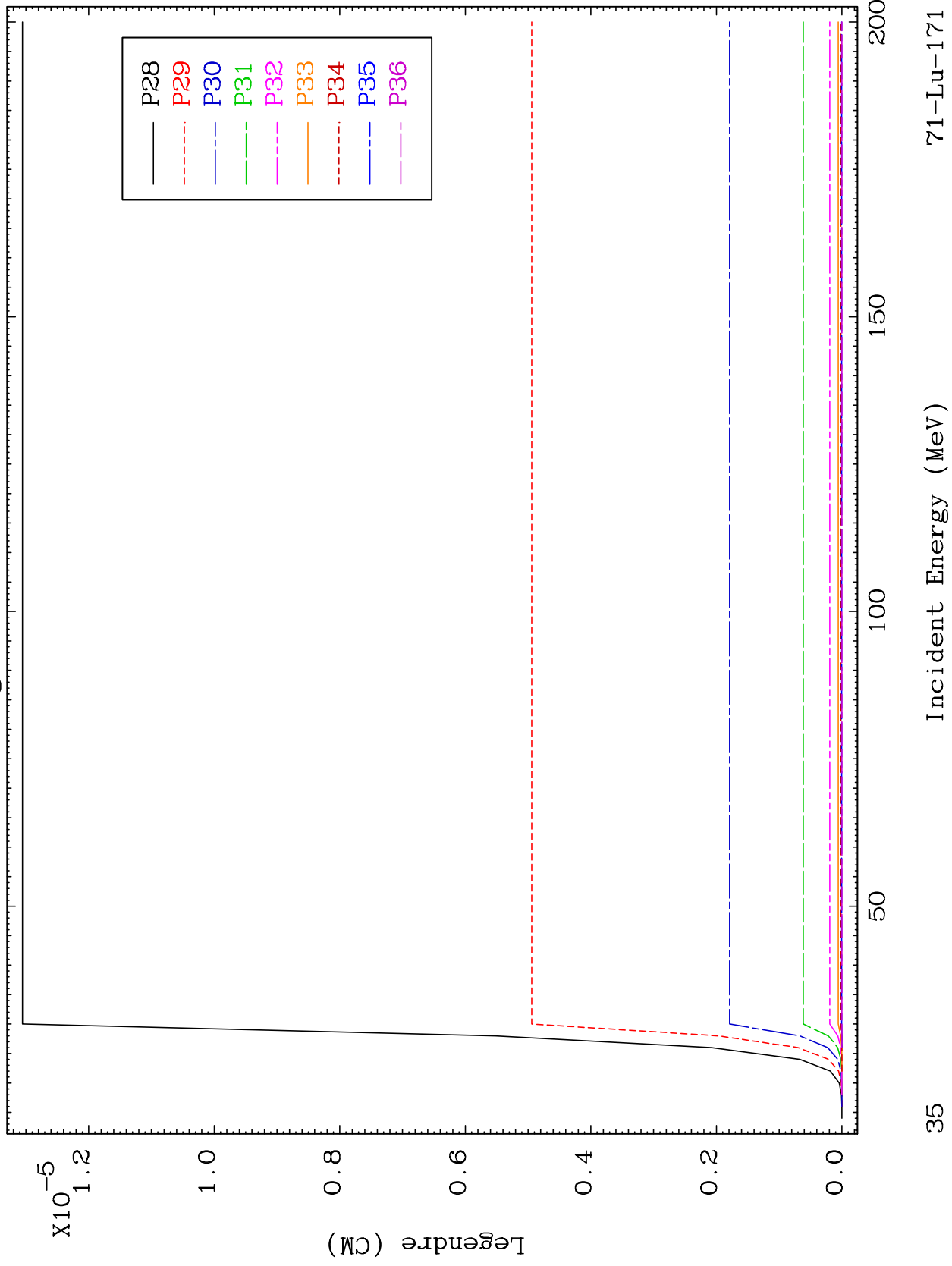
34

71-Lu-171

MAT 7113

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

71-Lu-171



35

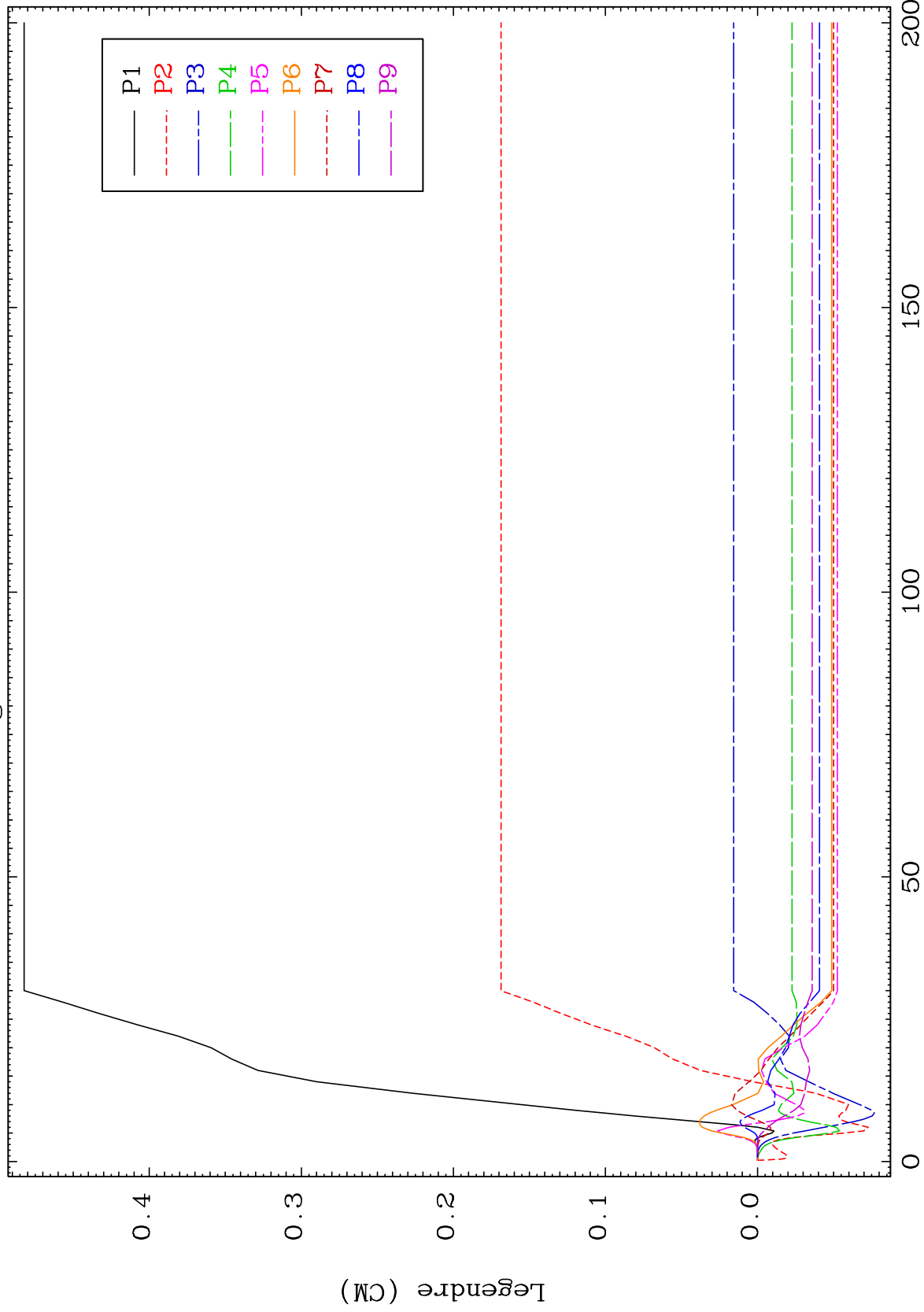
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



36

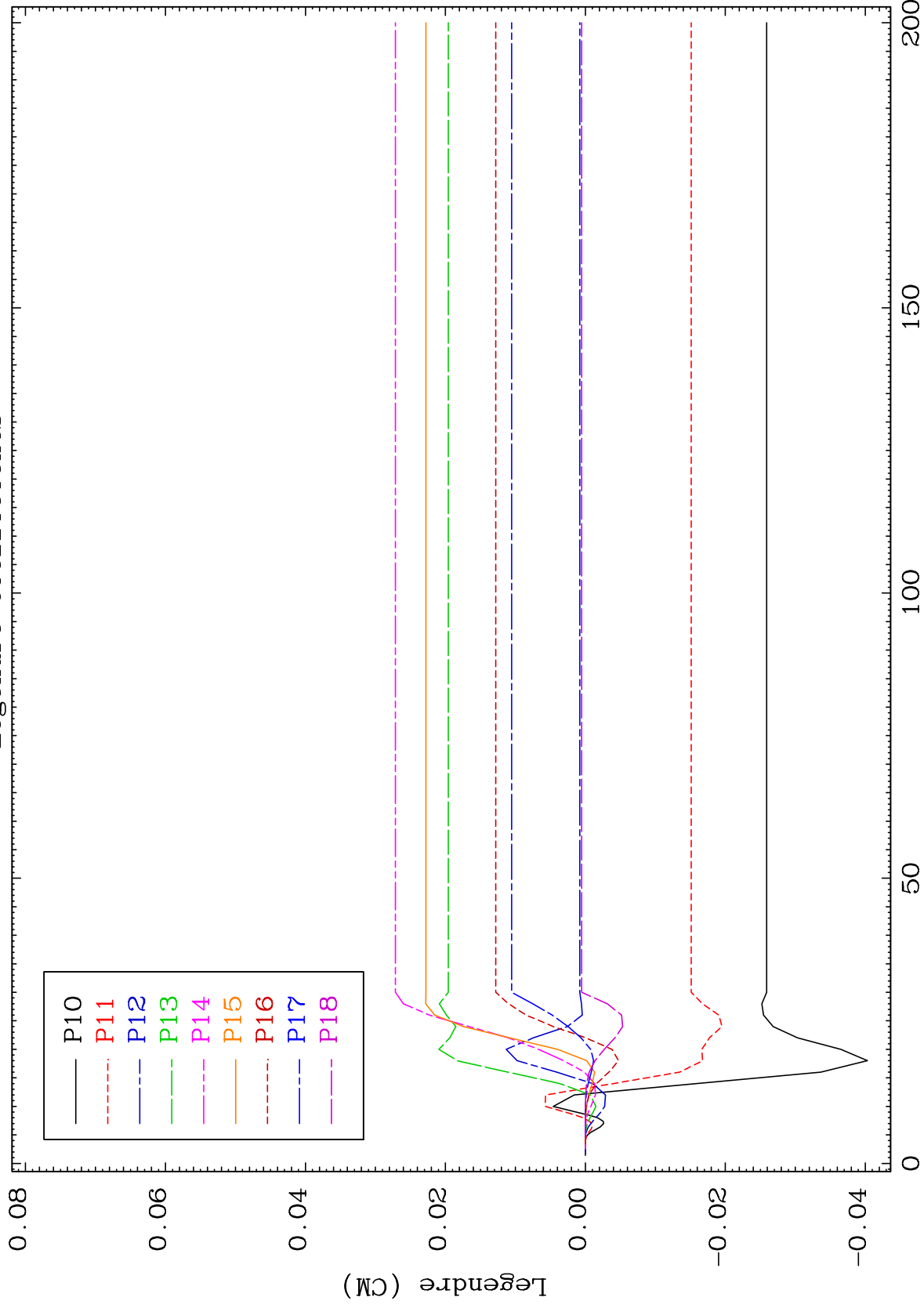
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



37

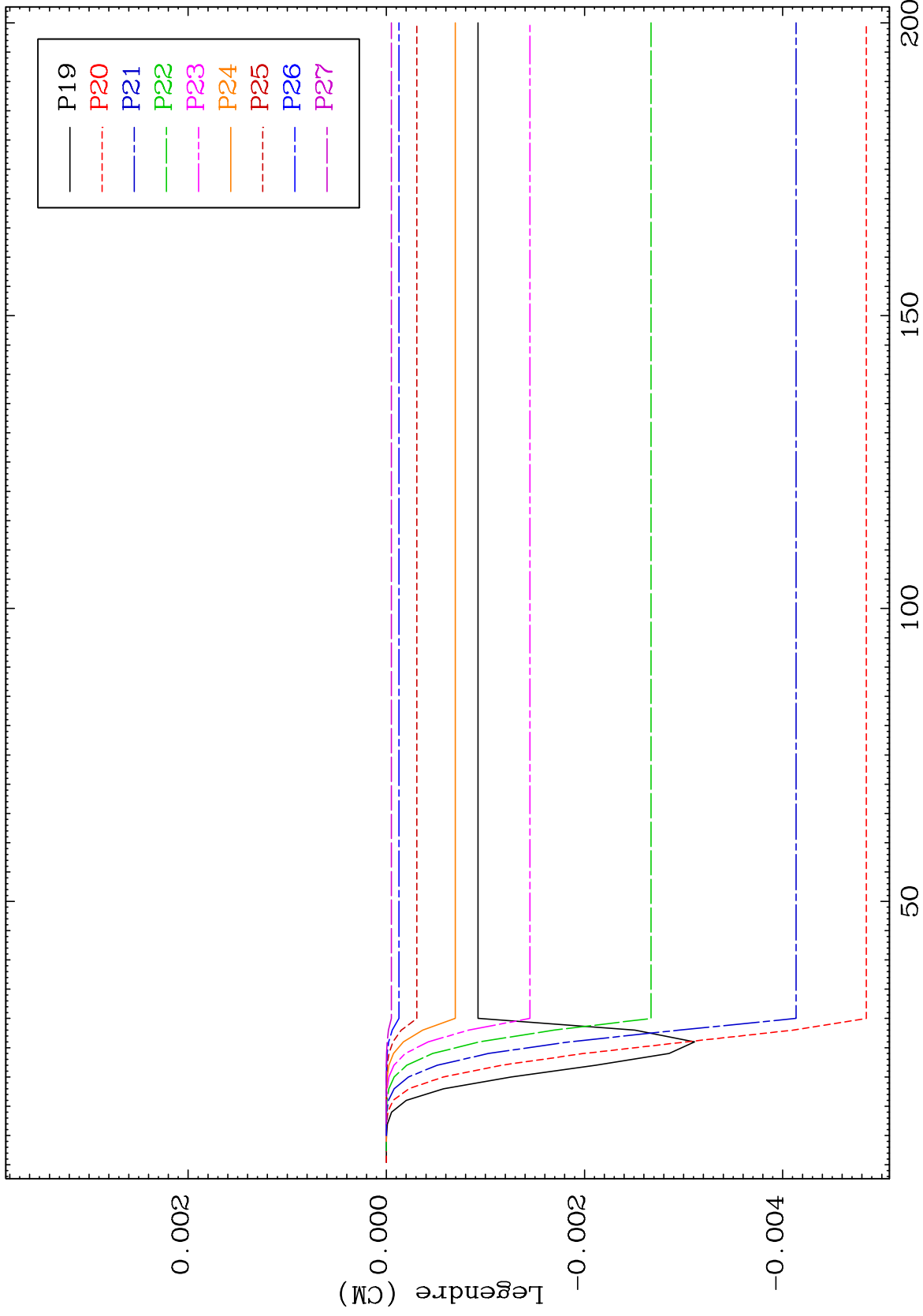
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

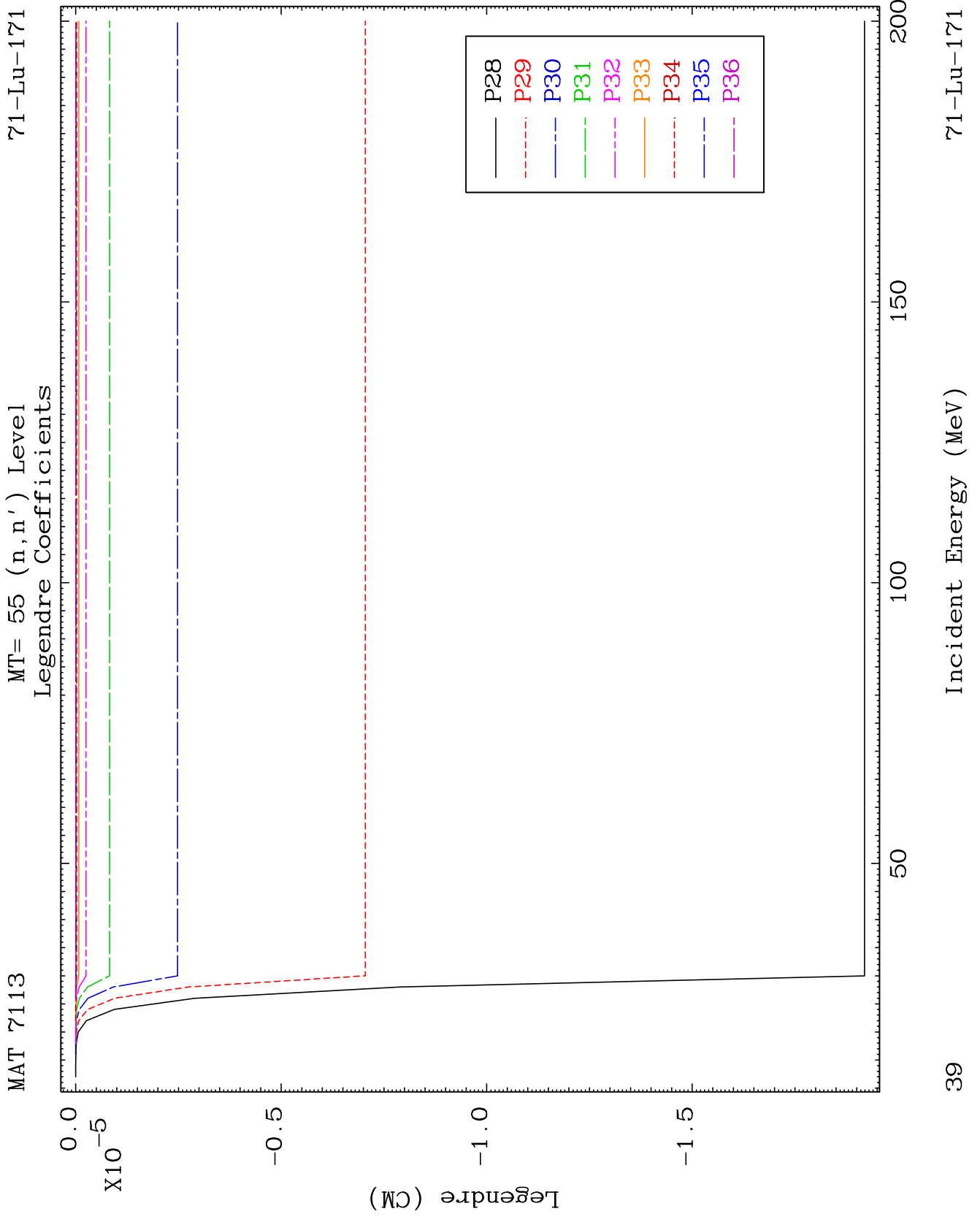
71-Lu-171



38

Incident Energy (MeV)

71-Lu-171

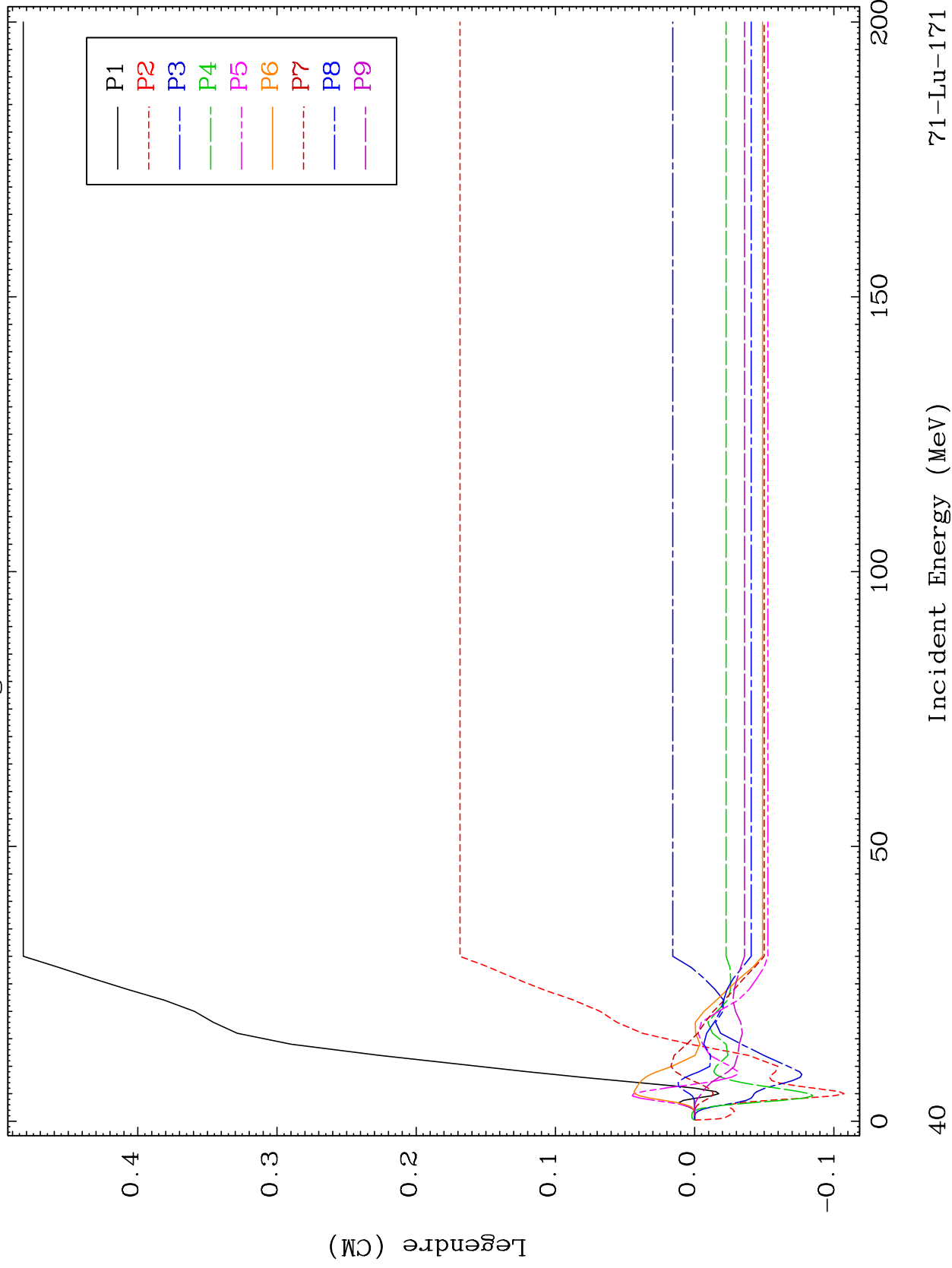




MAT 7113

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

71-Lu-171



71-Lu-171

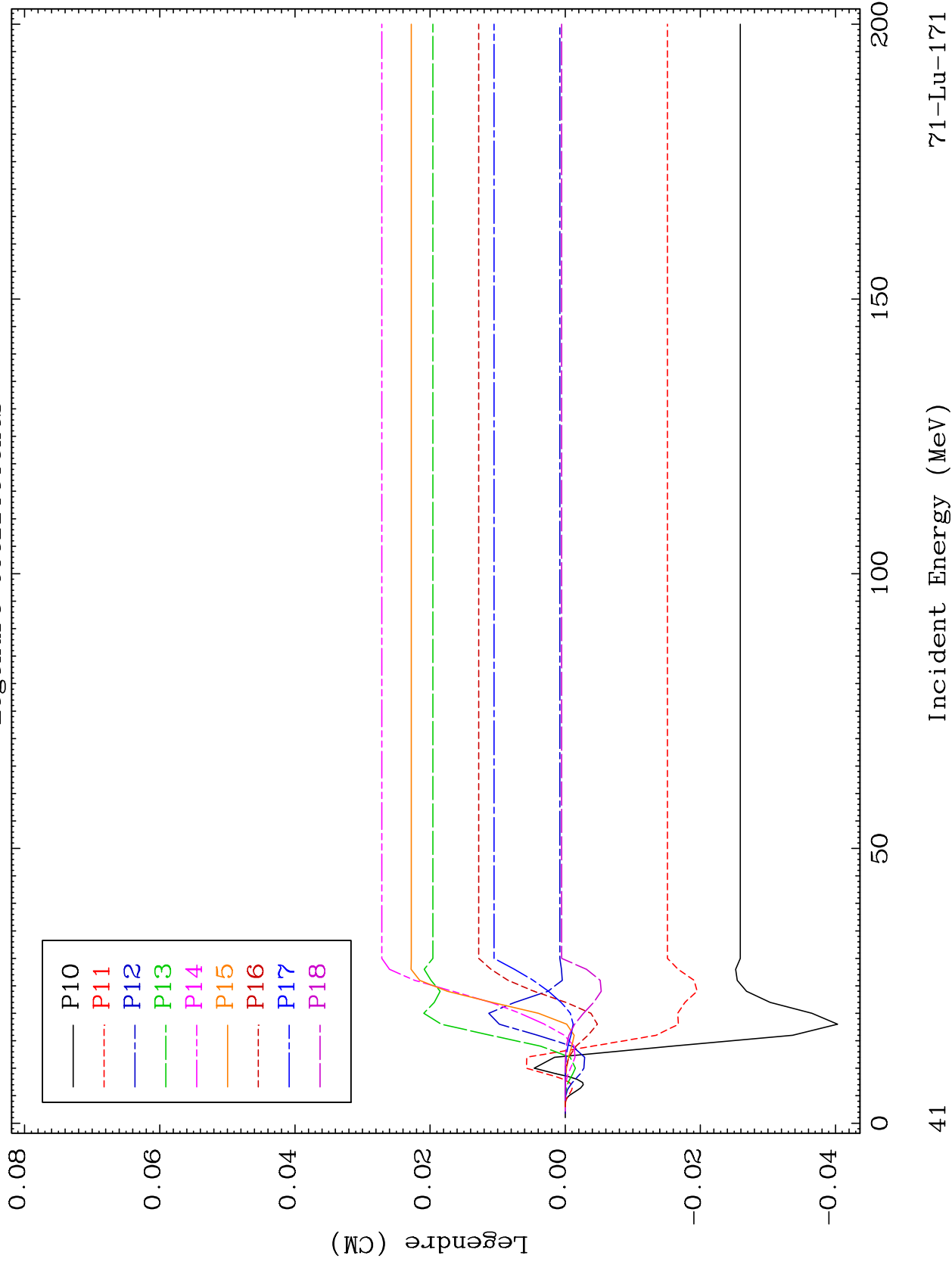
Incident Energy (MeV)

40

MAT 7113

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

71-Lu-171



41

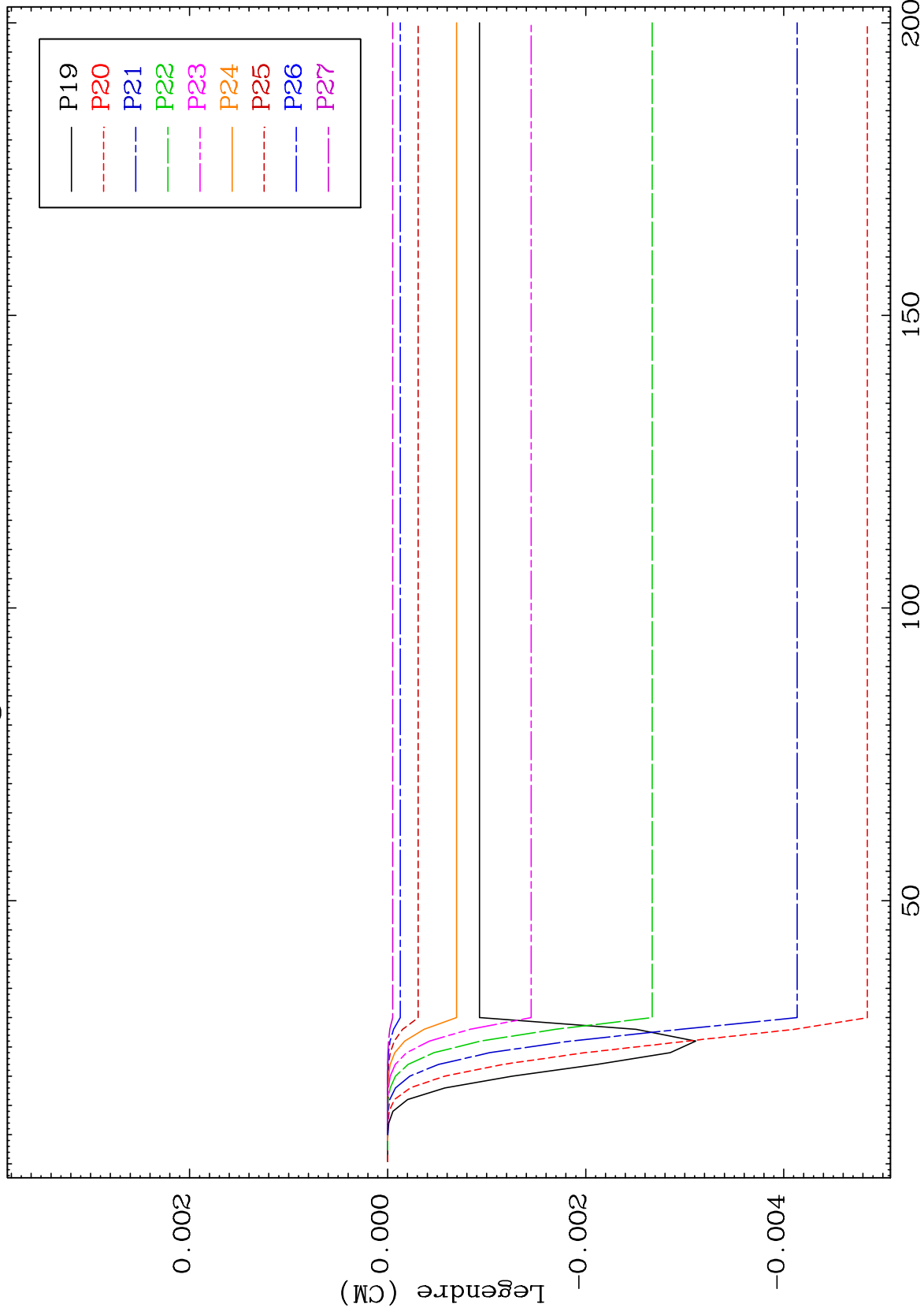
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

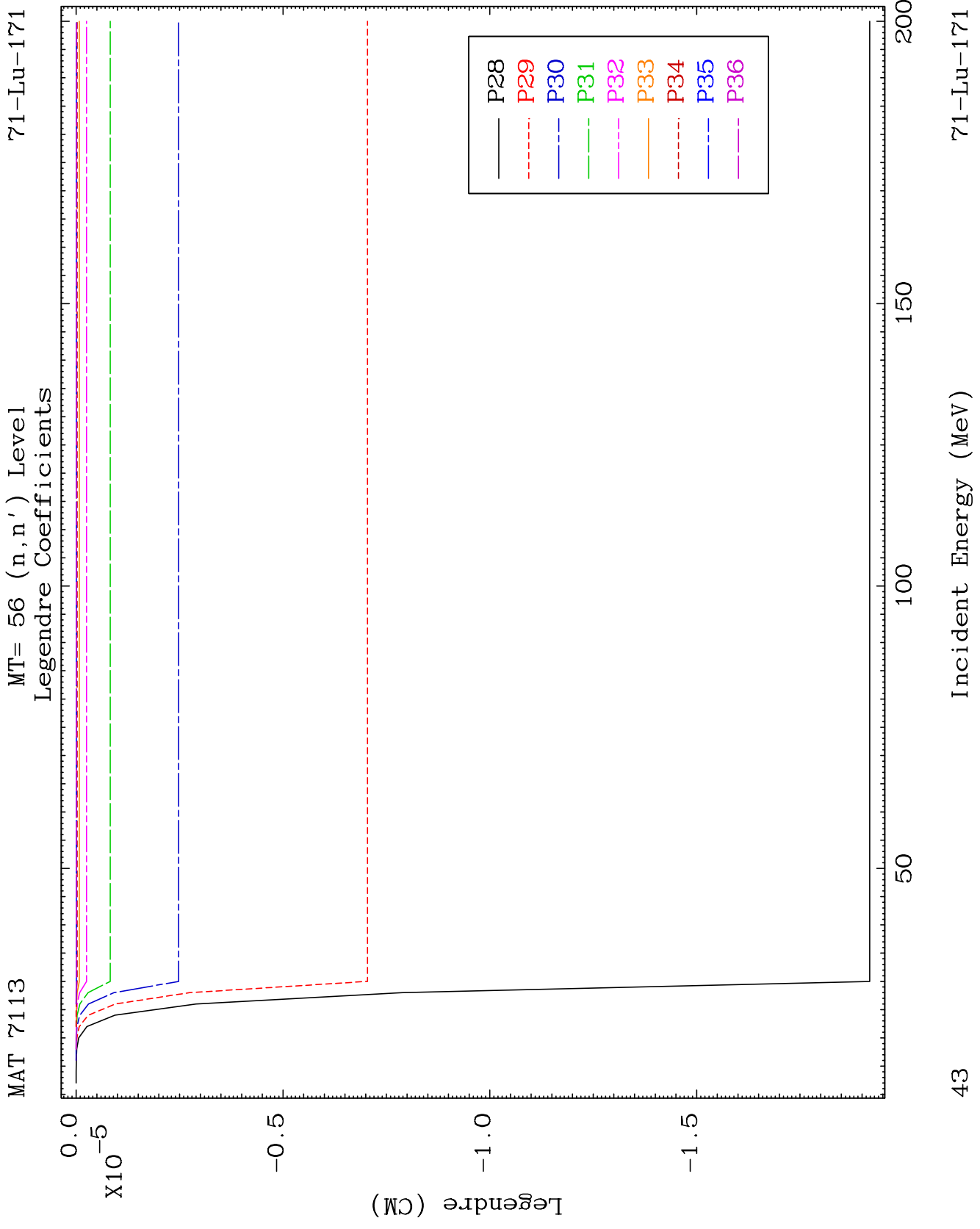
71-Lu-171

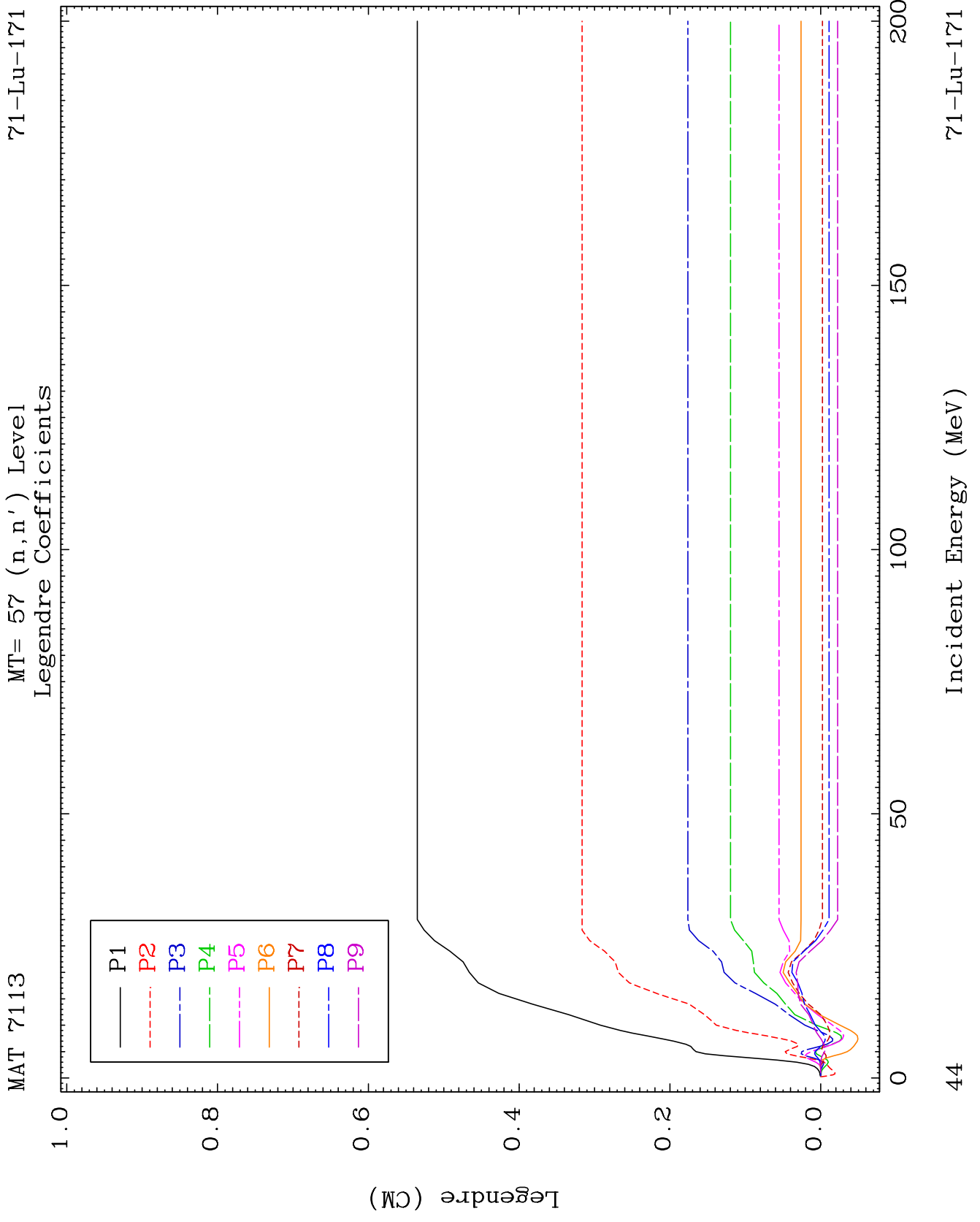


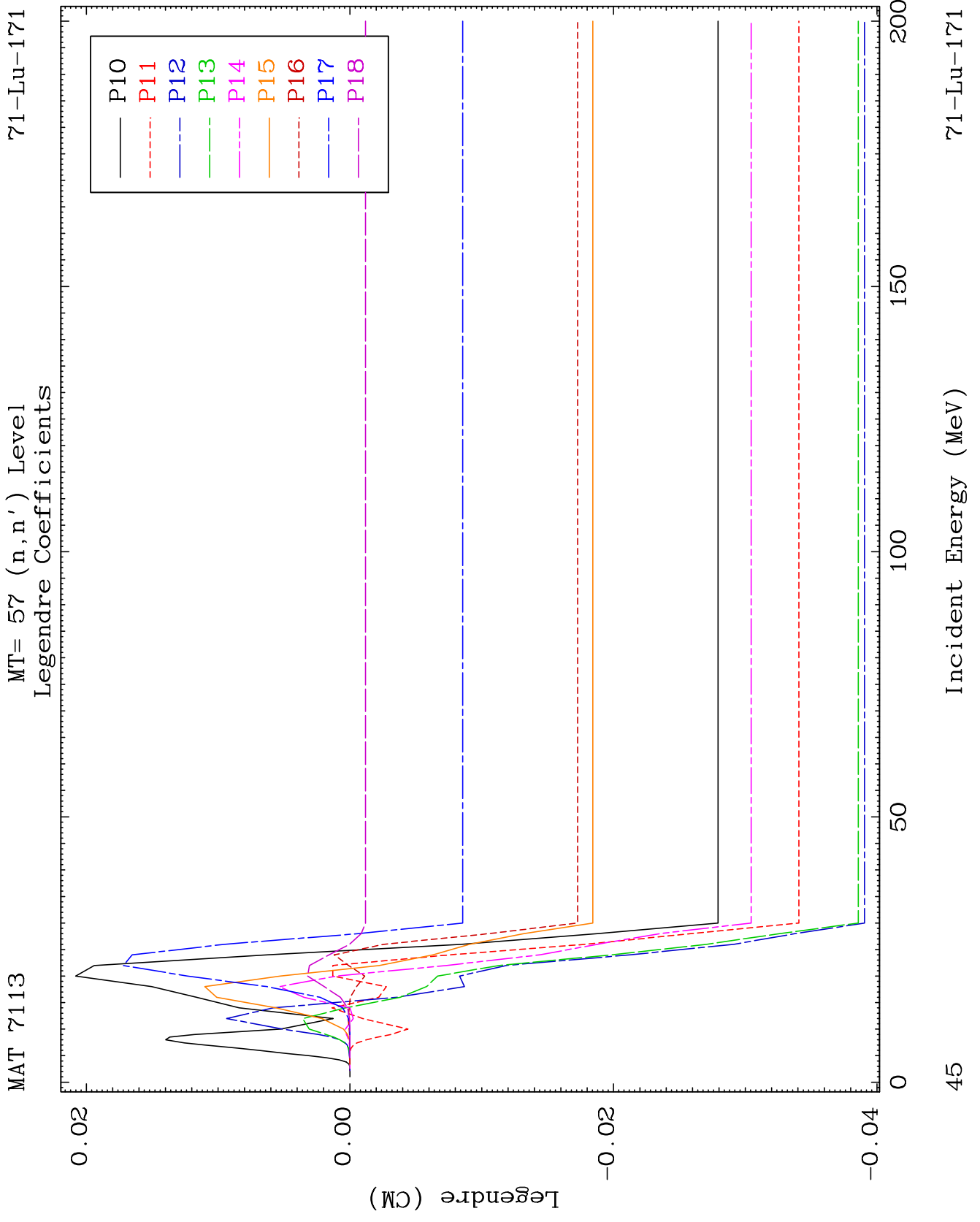
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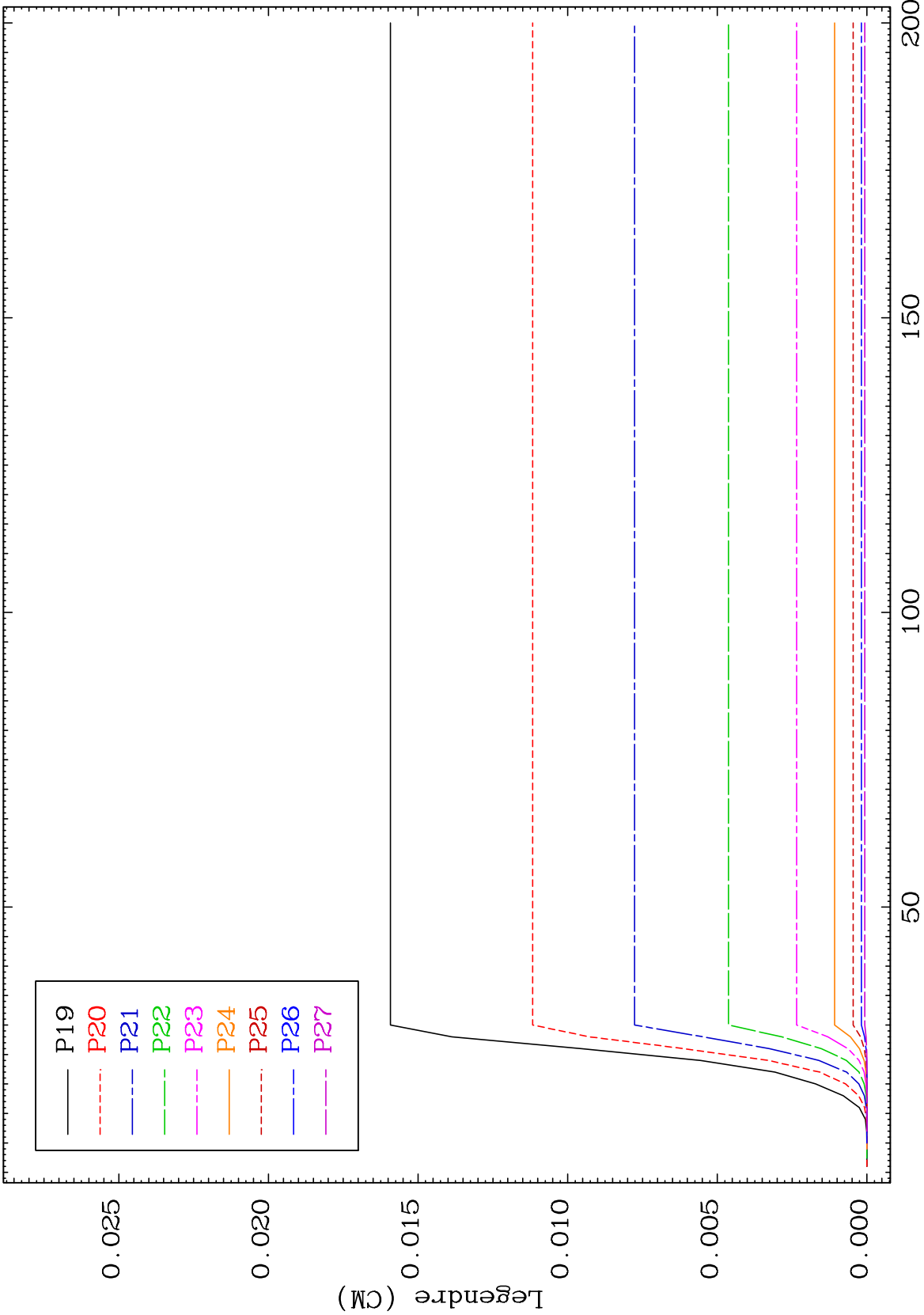
Incident Energy (MeV)

71-Lu-171





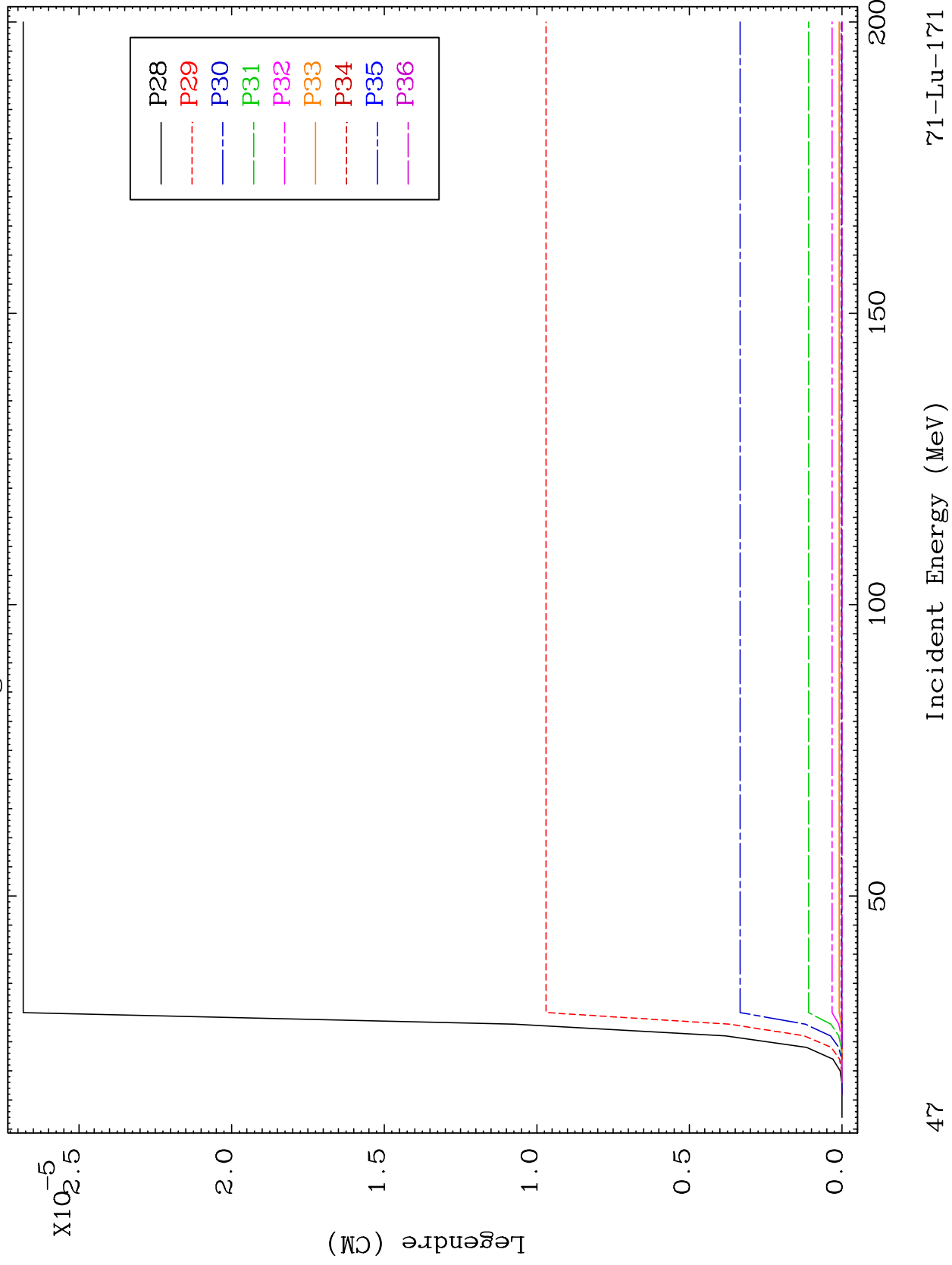




MAT 7113

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

71-Lu-171

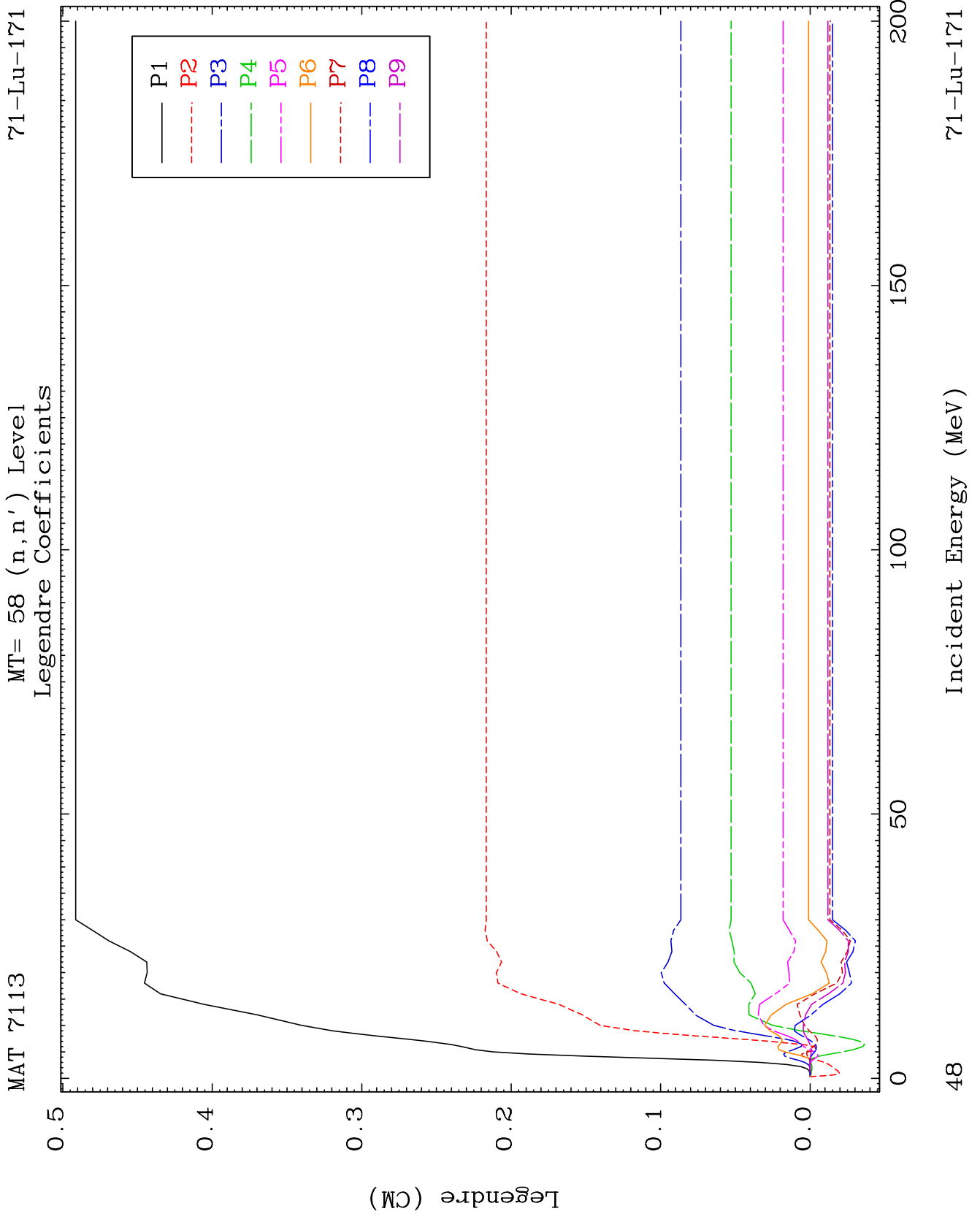


47

Incident Energy (MeV)

71-Lu-171

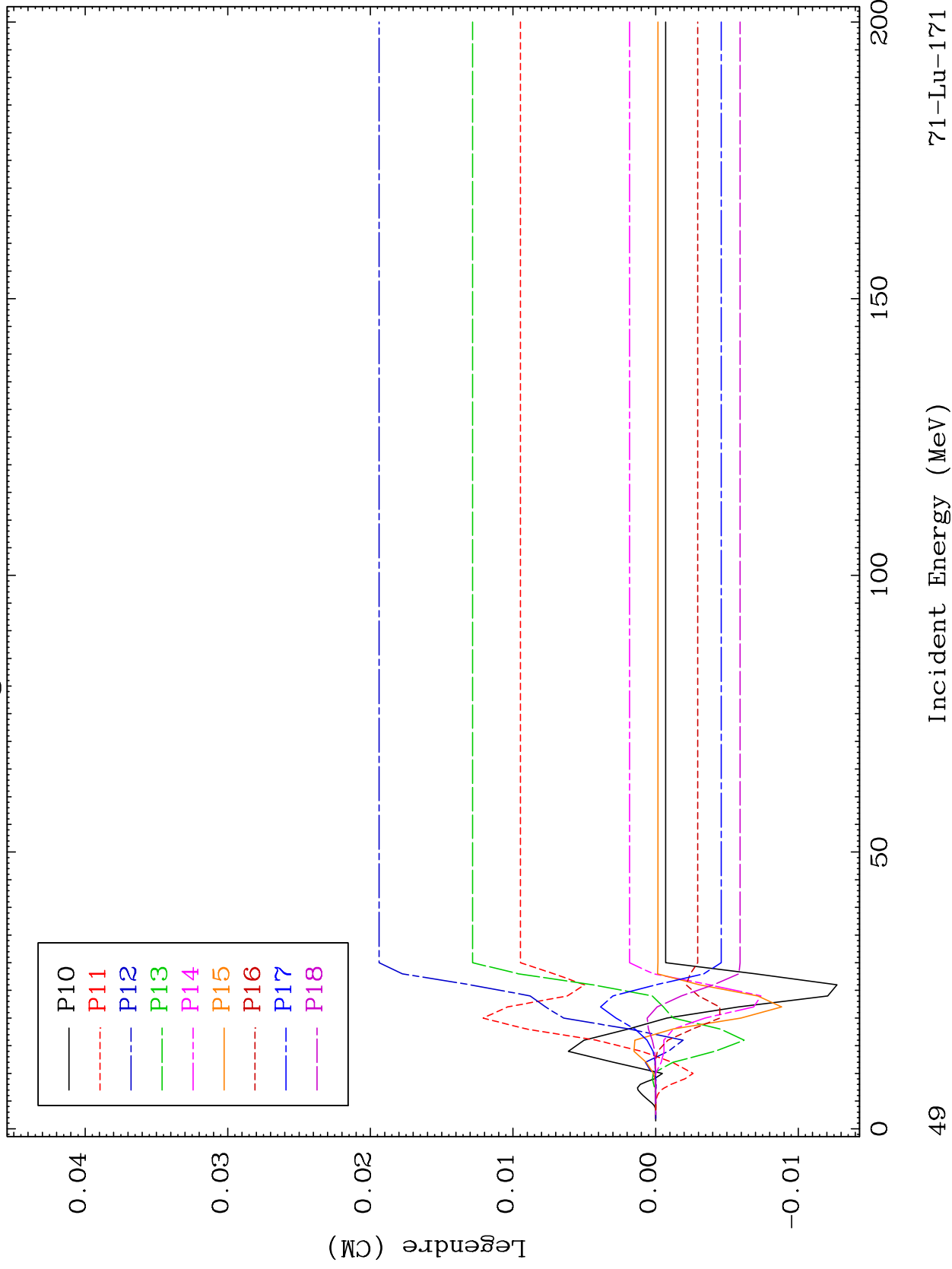




MAT 7113

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

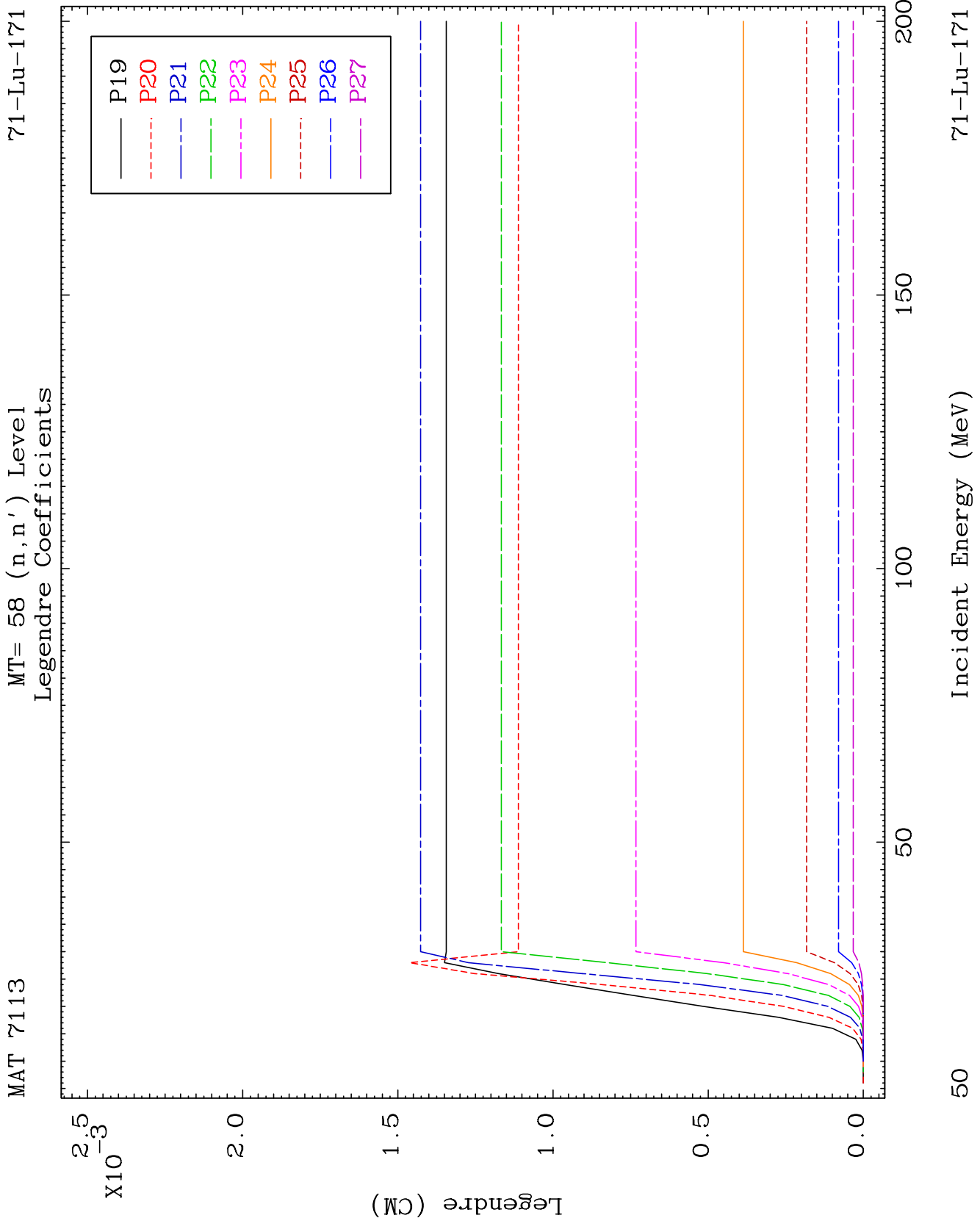
71-Lu-171



49

Incident Energy (MeV)

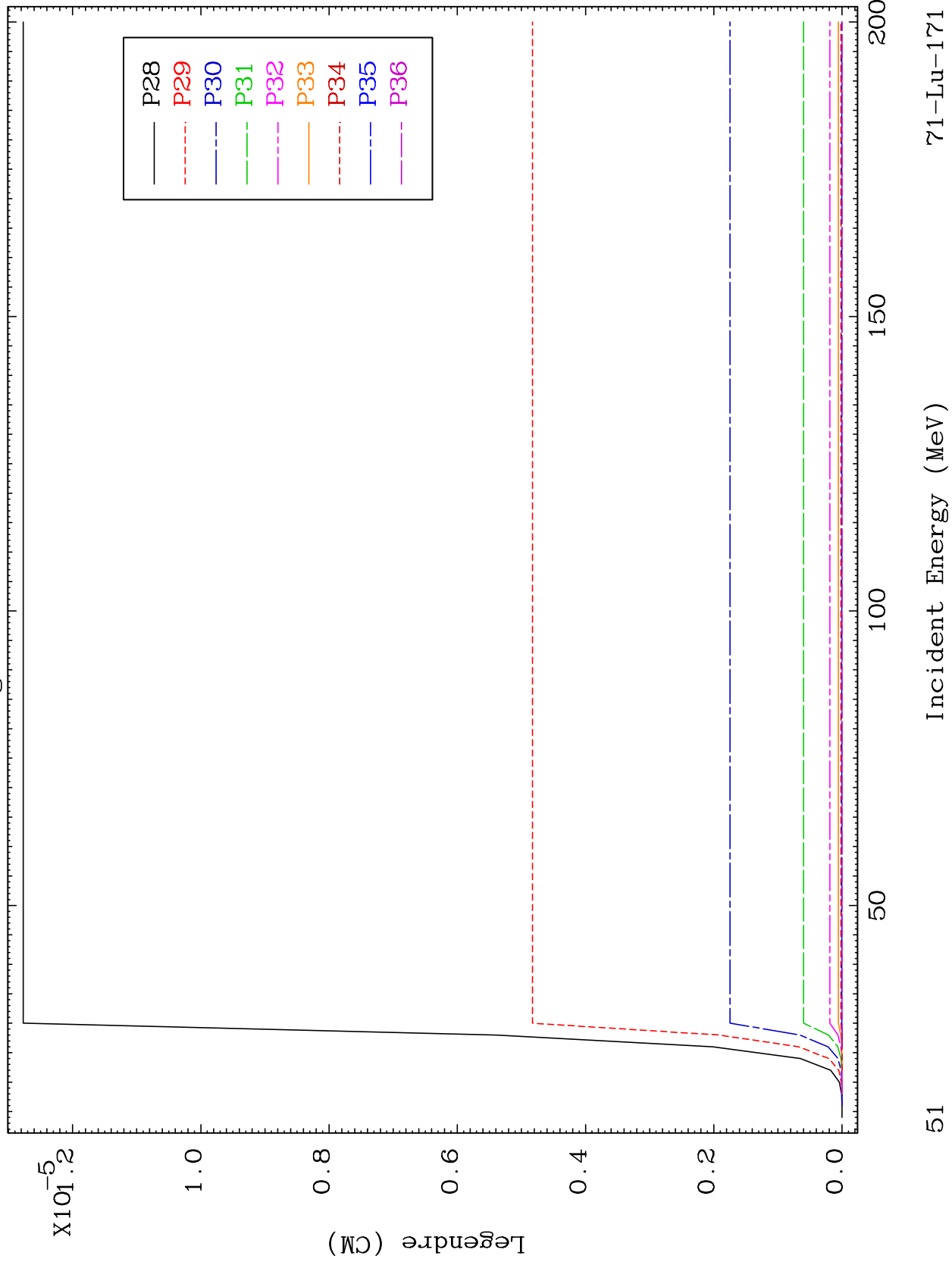
71-Lu-171



MAT 7113

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

71-Lu-171



51

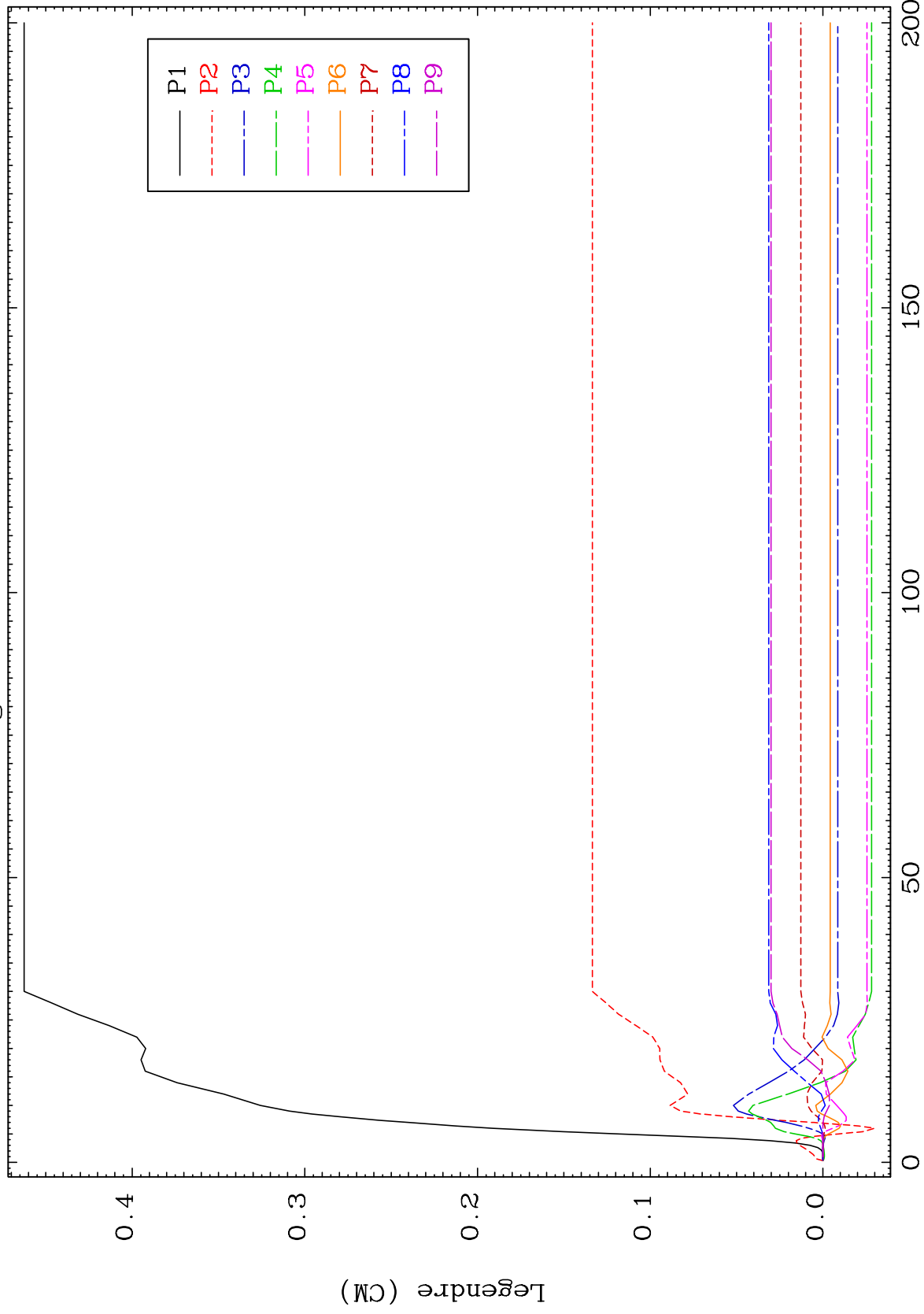
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



52

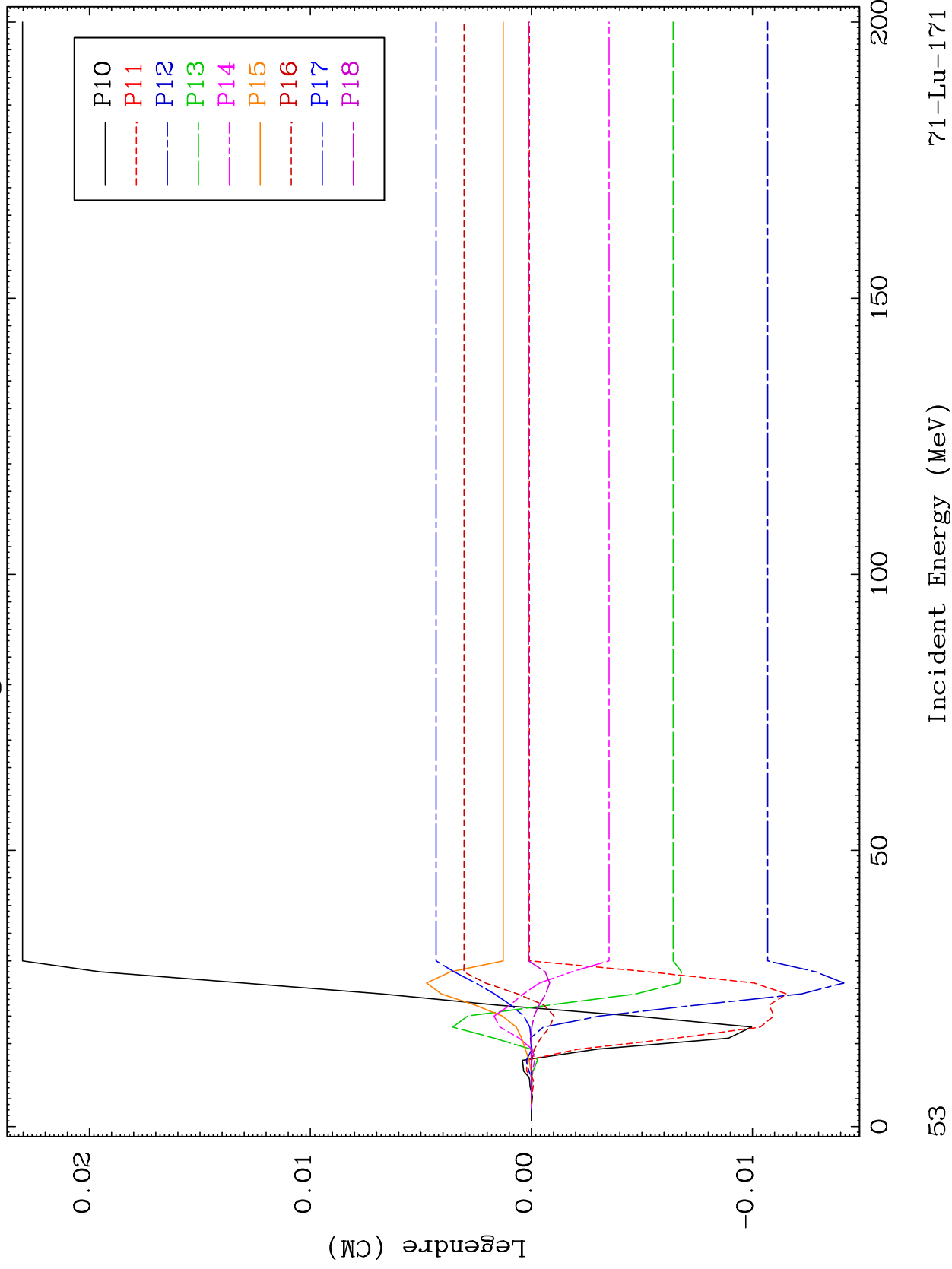
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



71-Lu-171

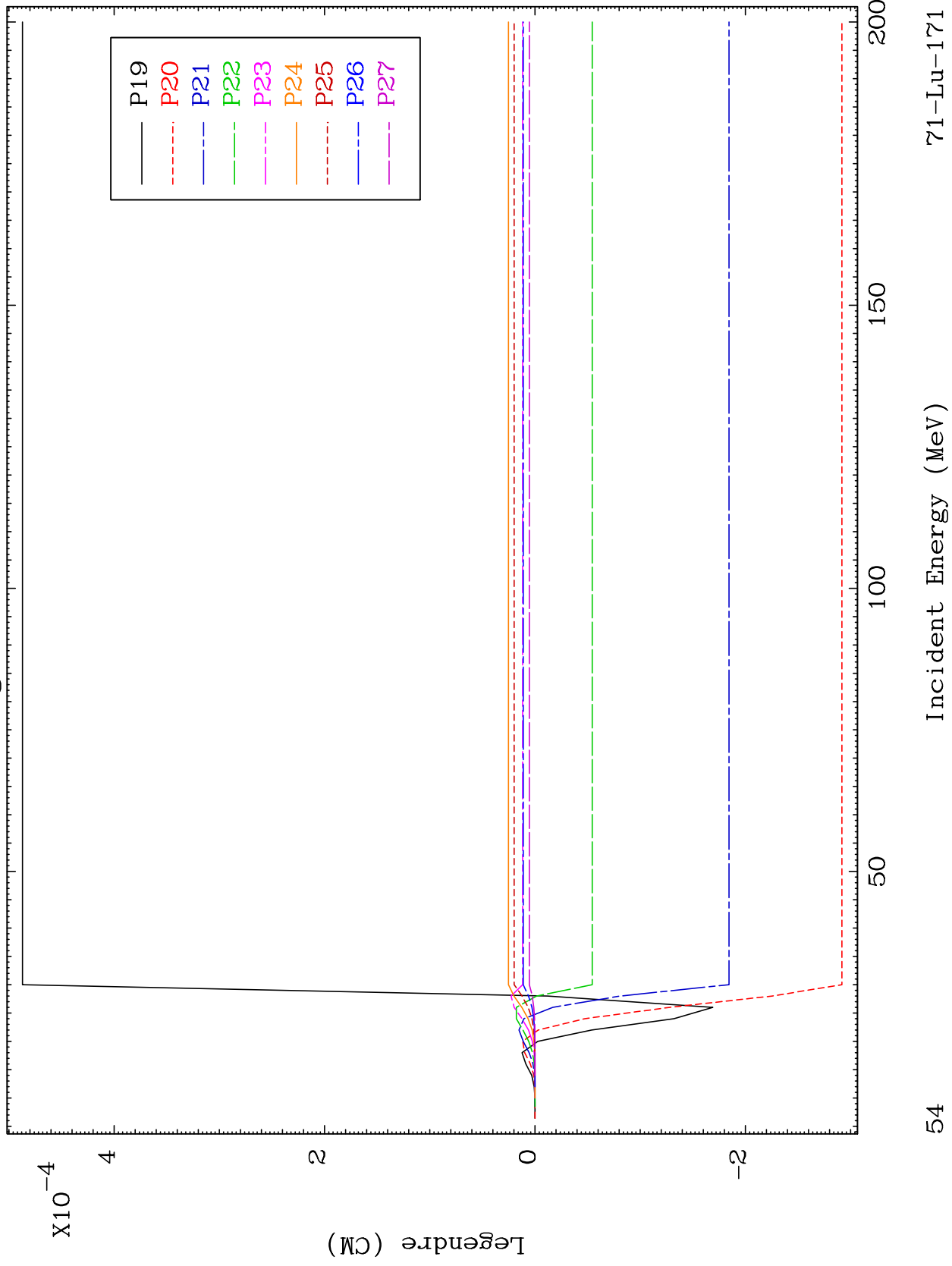
Incident Energy (MeV)

53

MAT 7113

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

71-Lu-171



54

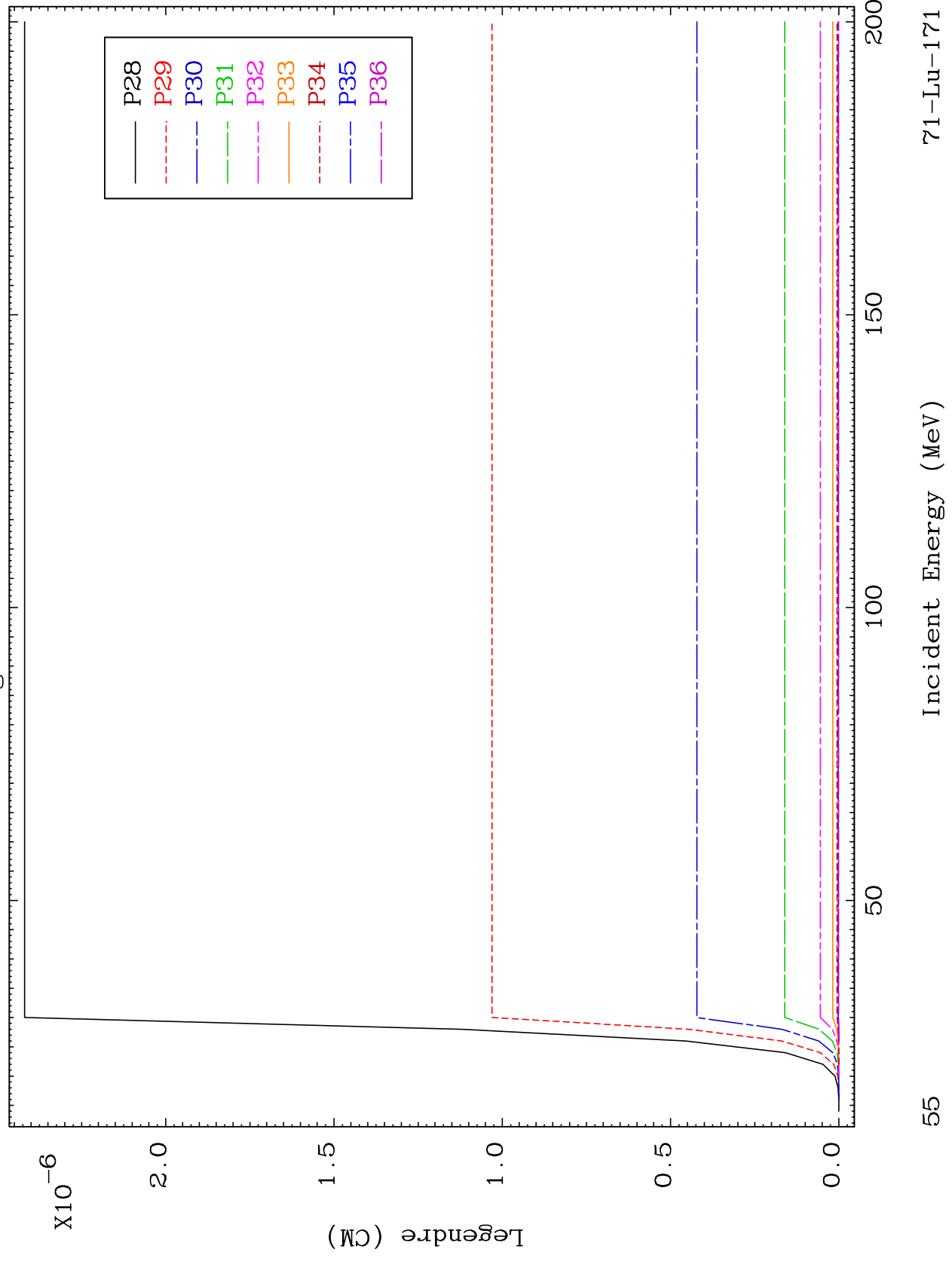
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



55

Incident Energy (MeV)

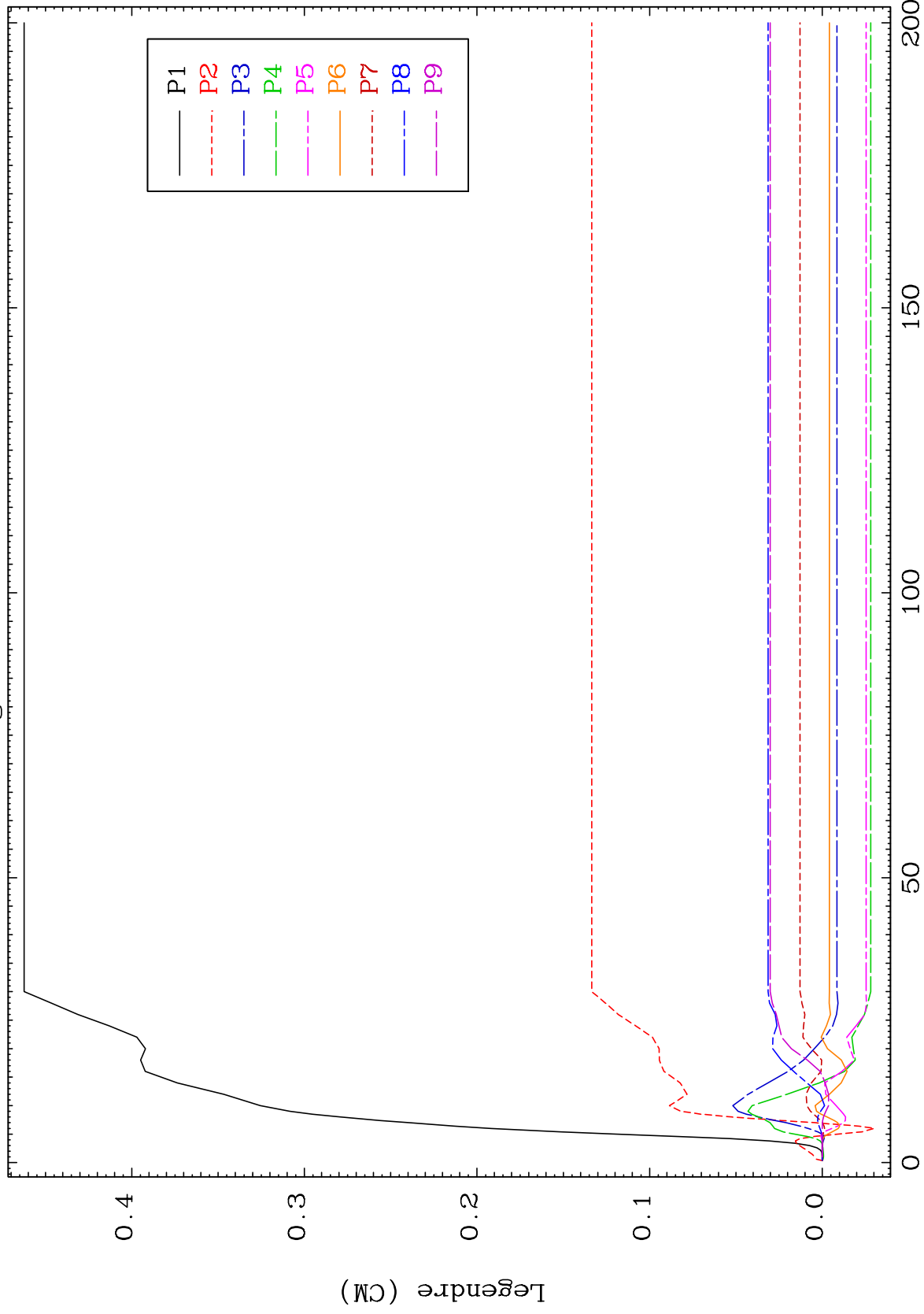
71-Lu-171



MAT 7113

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

71-Lu-171



56

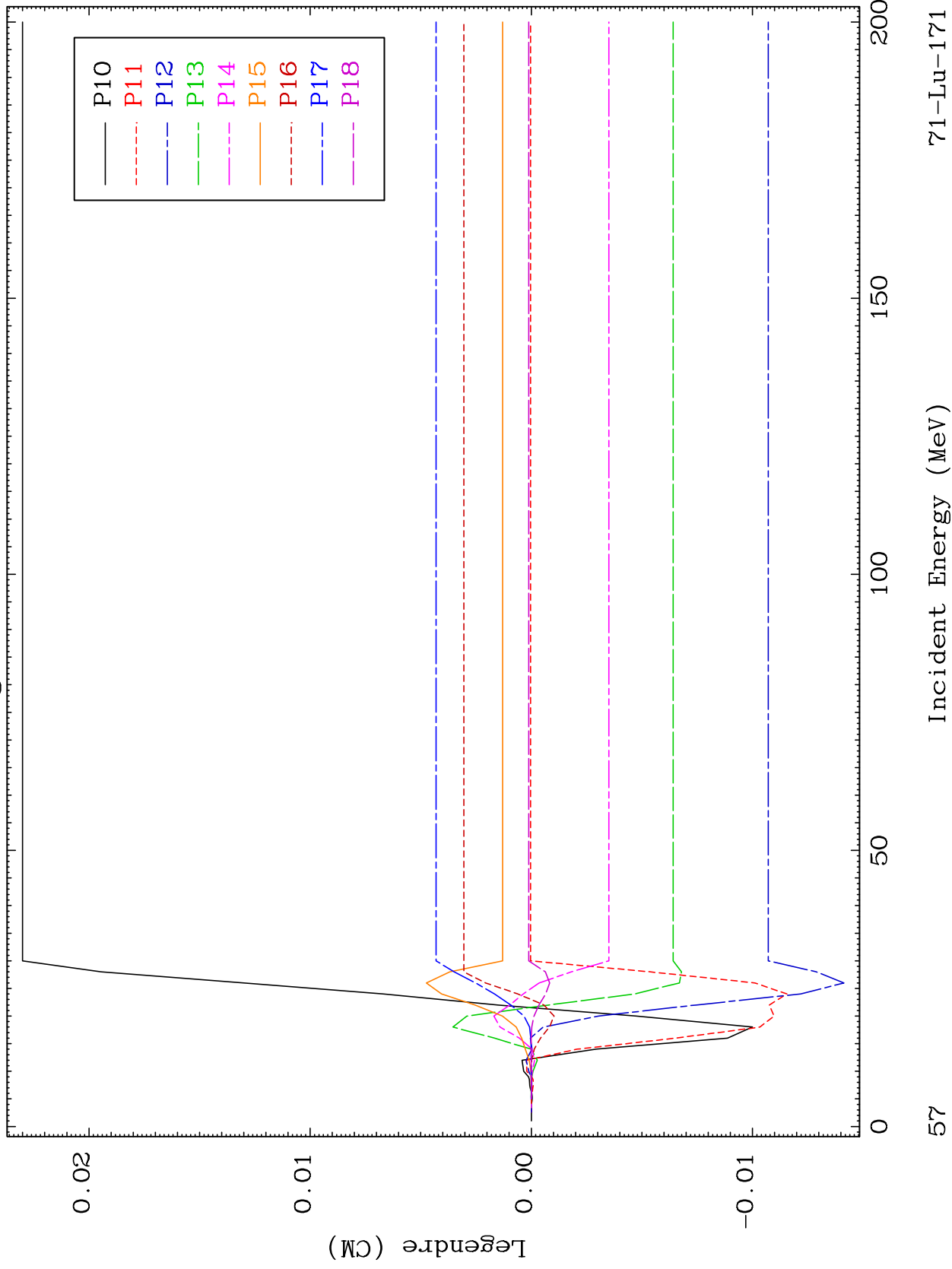
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



57

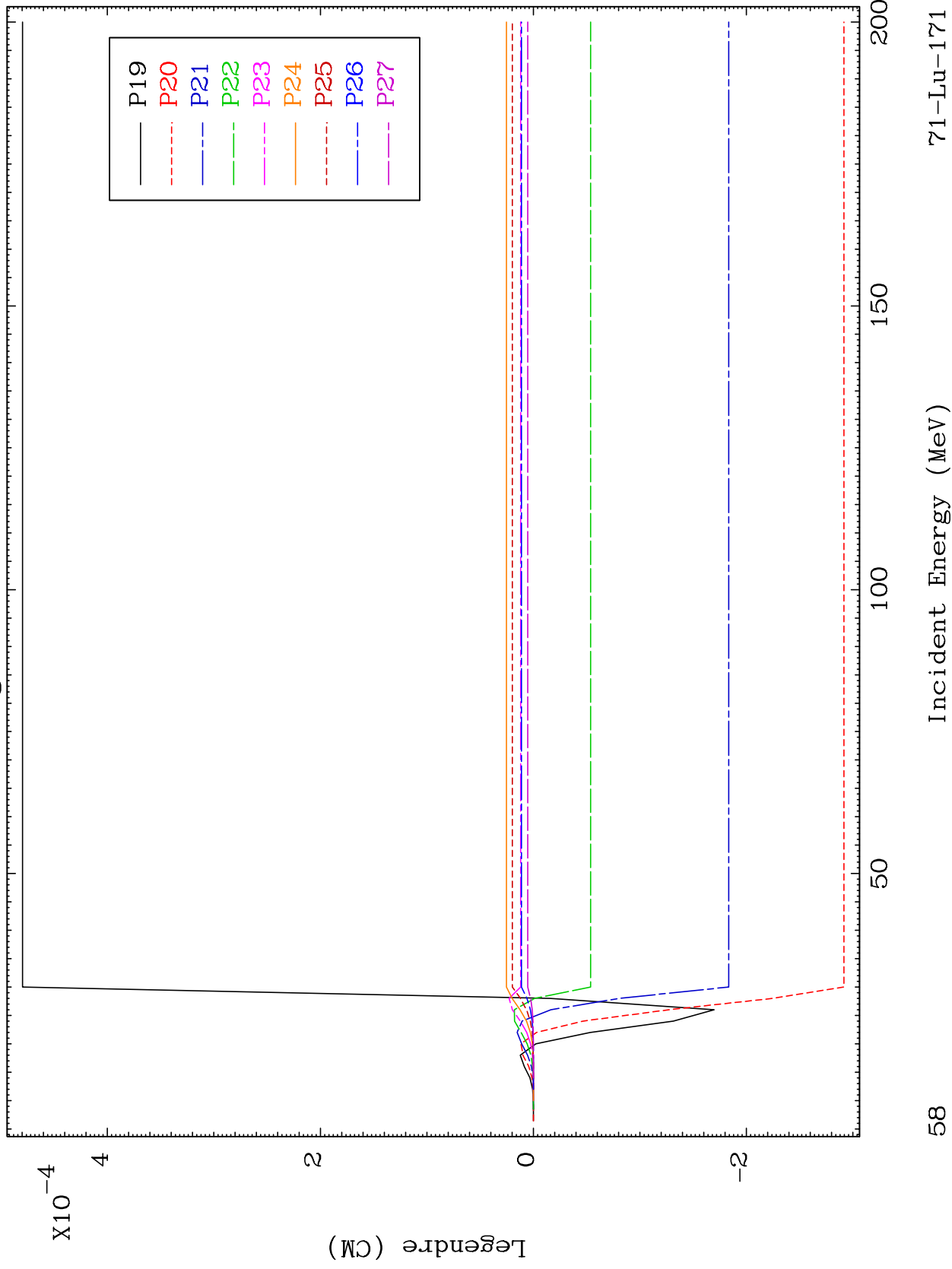
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

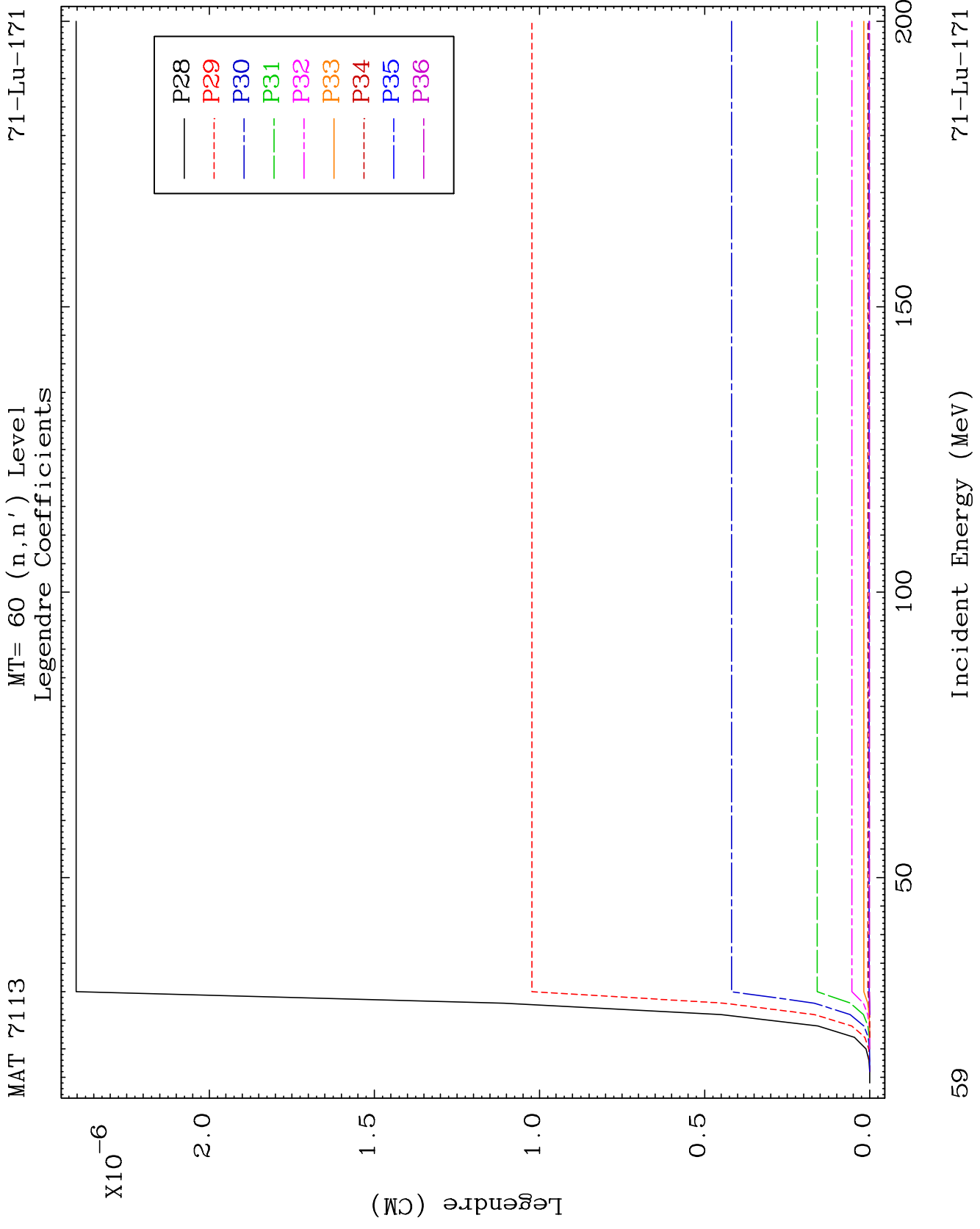
71-Lu-171

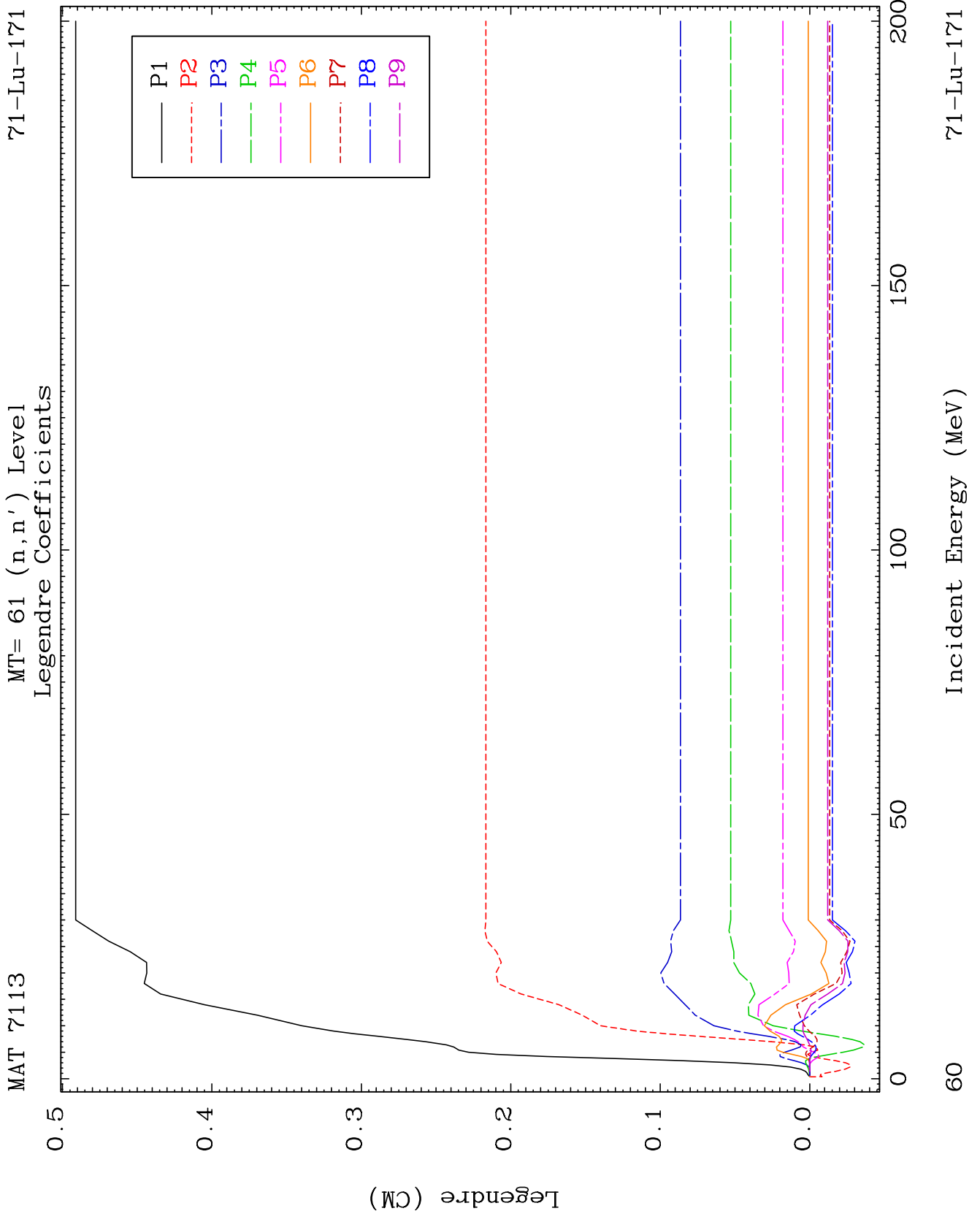


58

Incident Energy (MeV)

71-Lu-171

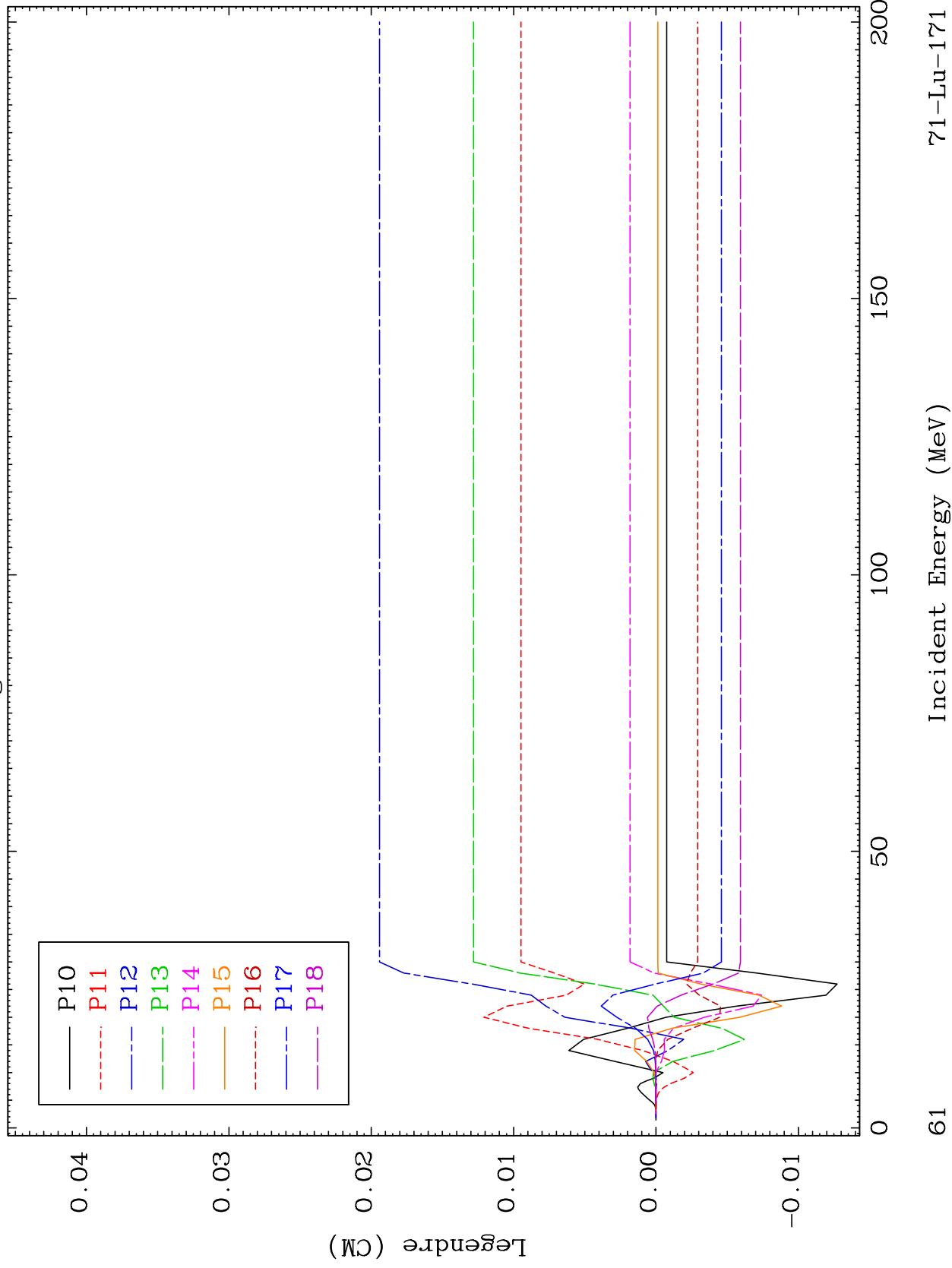




MAT 7113

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

71-Lu-171



71-Lu-171

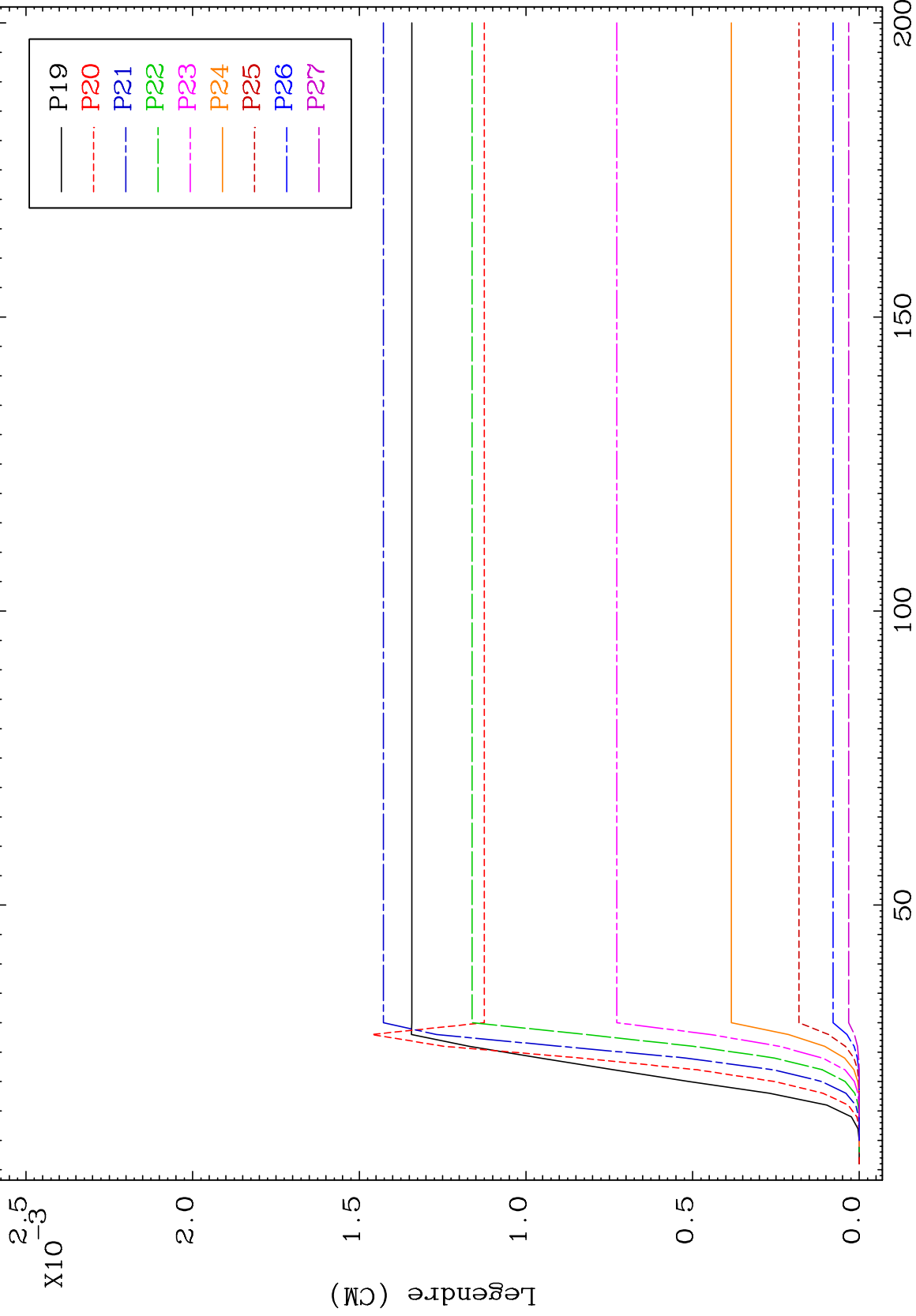
Incident Energy (MeV)

61

MAT 7113

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

71-Lu-171



62

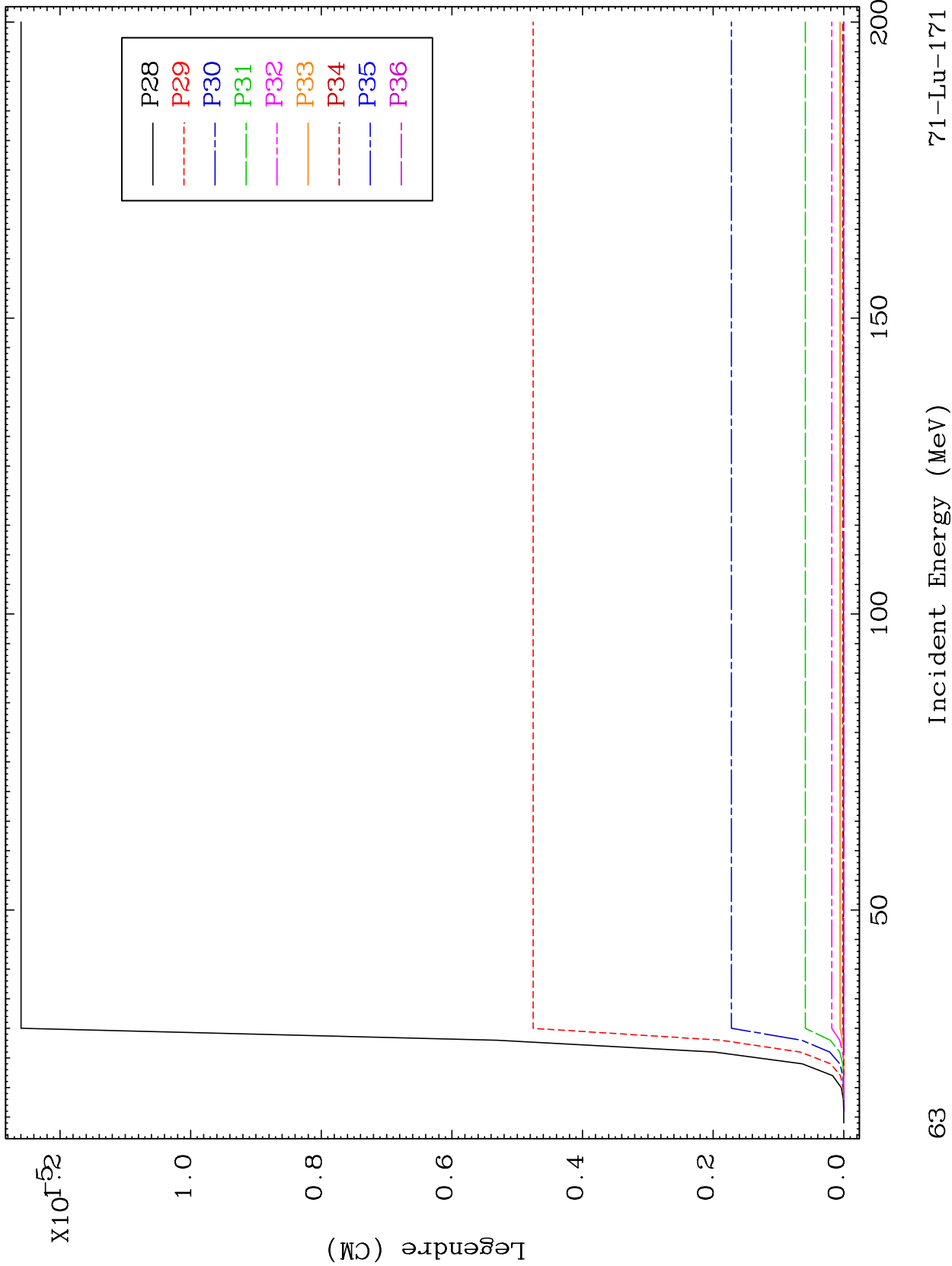
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



63

Incident Energy (MeV)

71-Lu-171

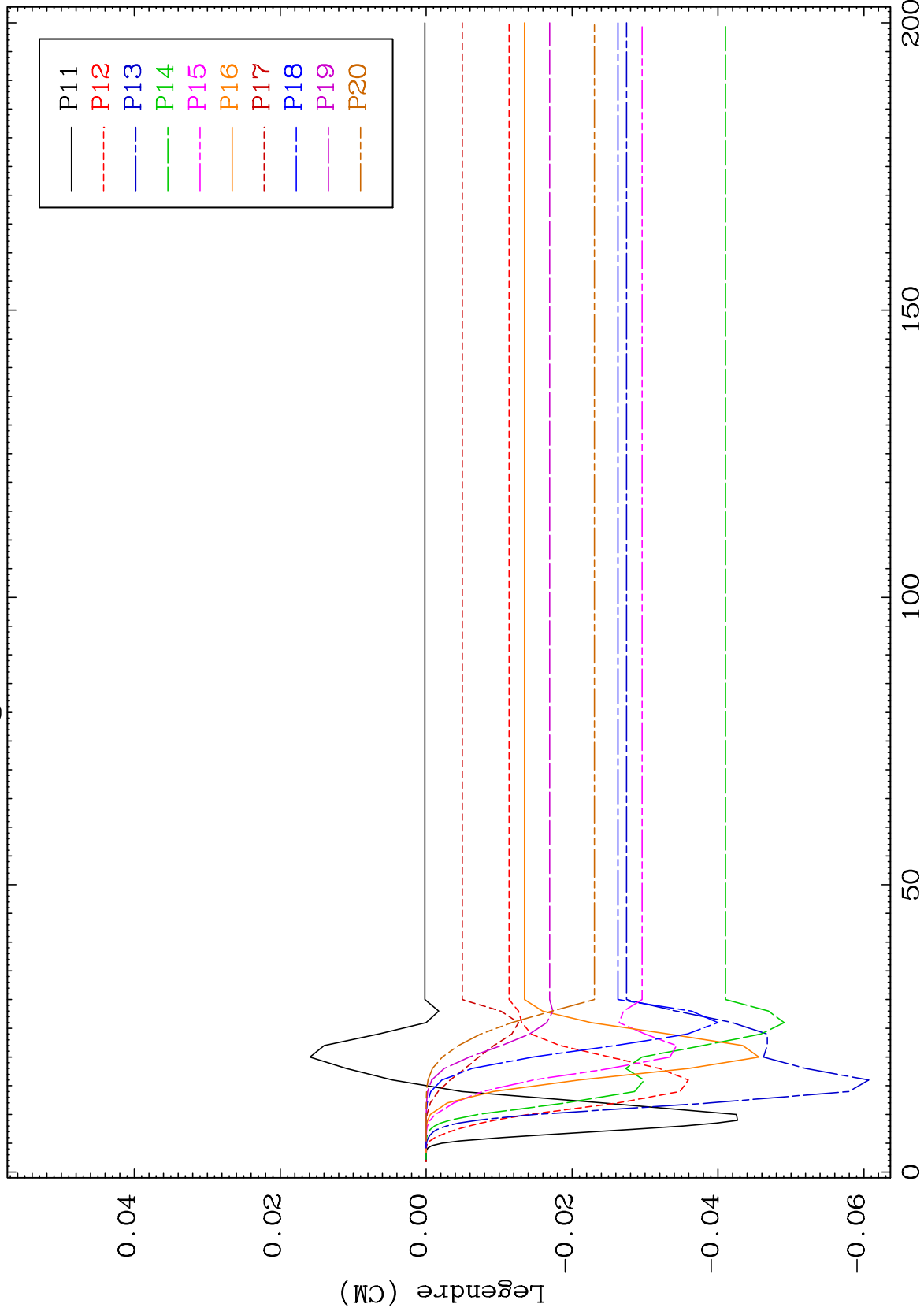




MAT 7113

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

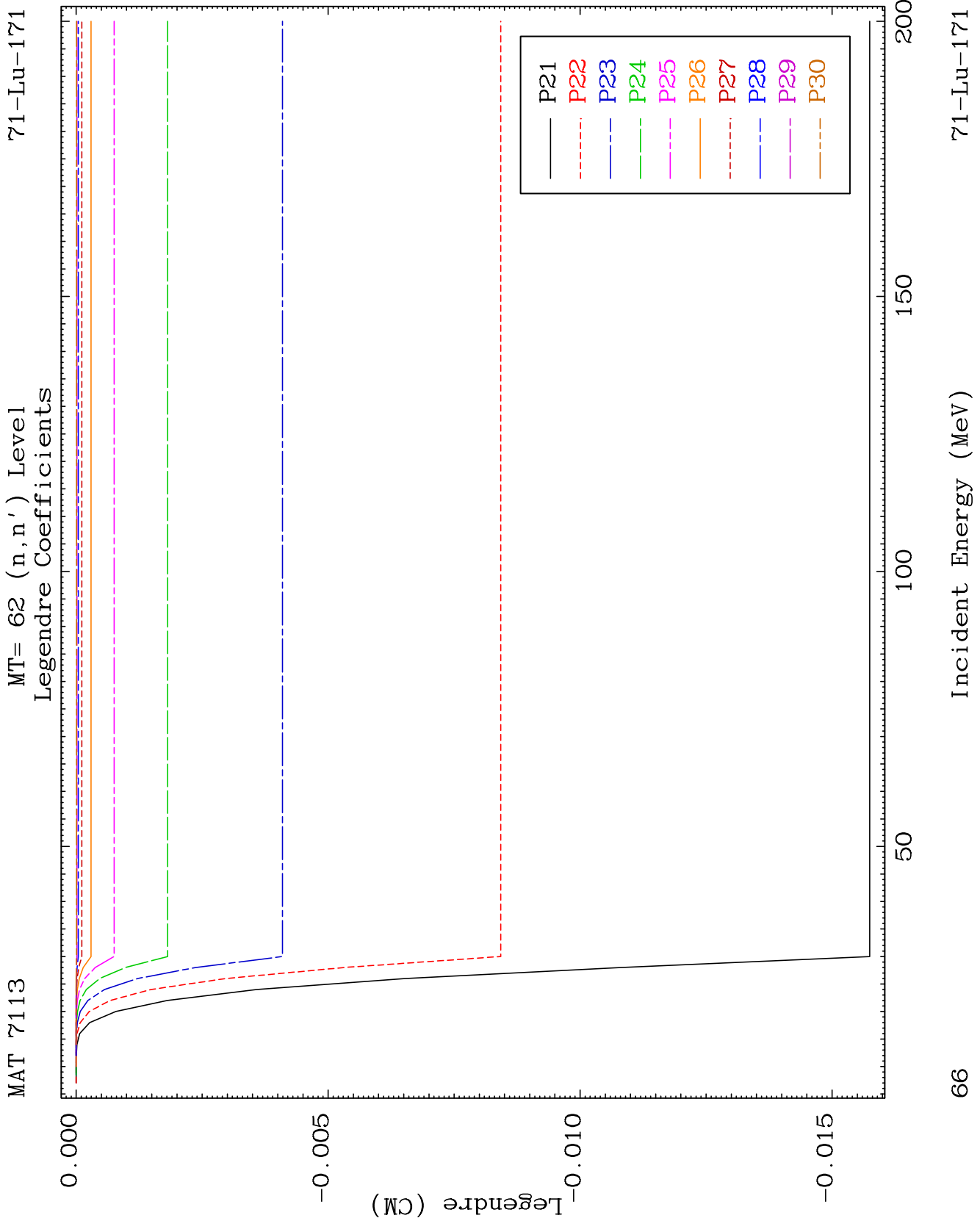
71-Lu-171

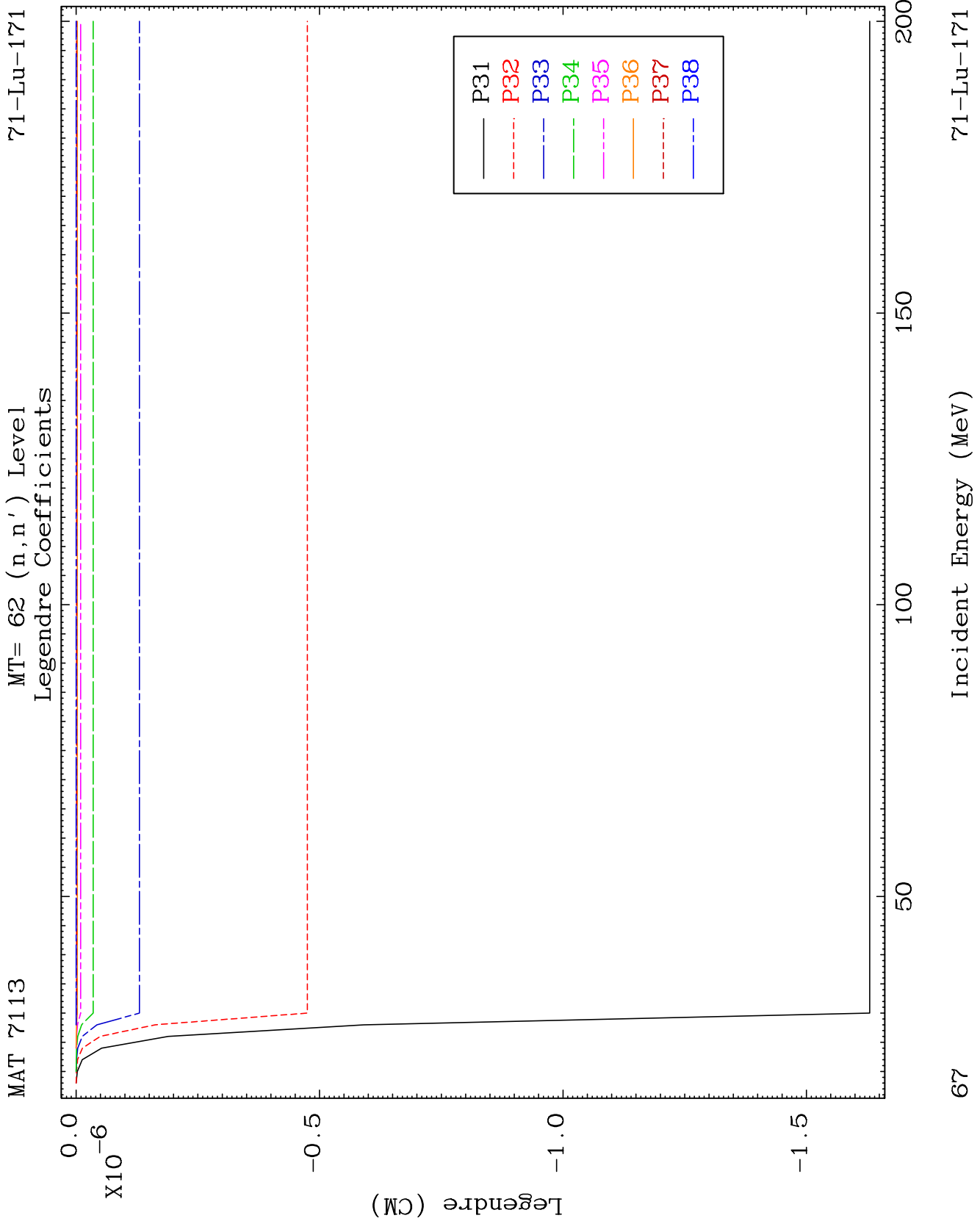


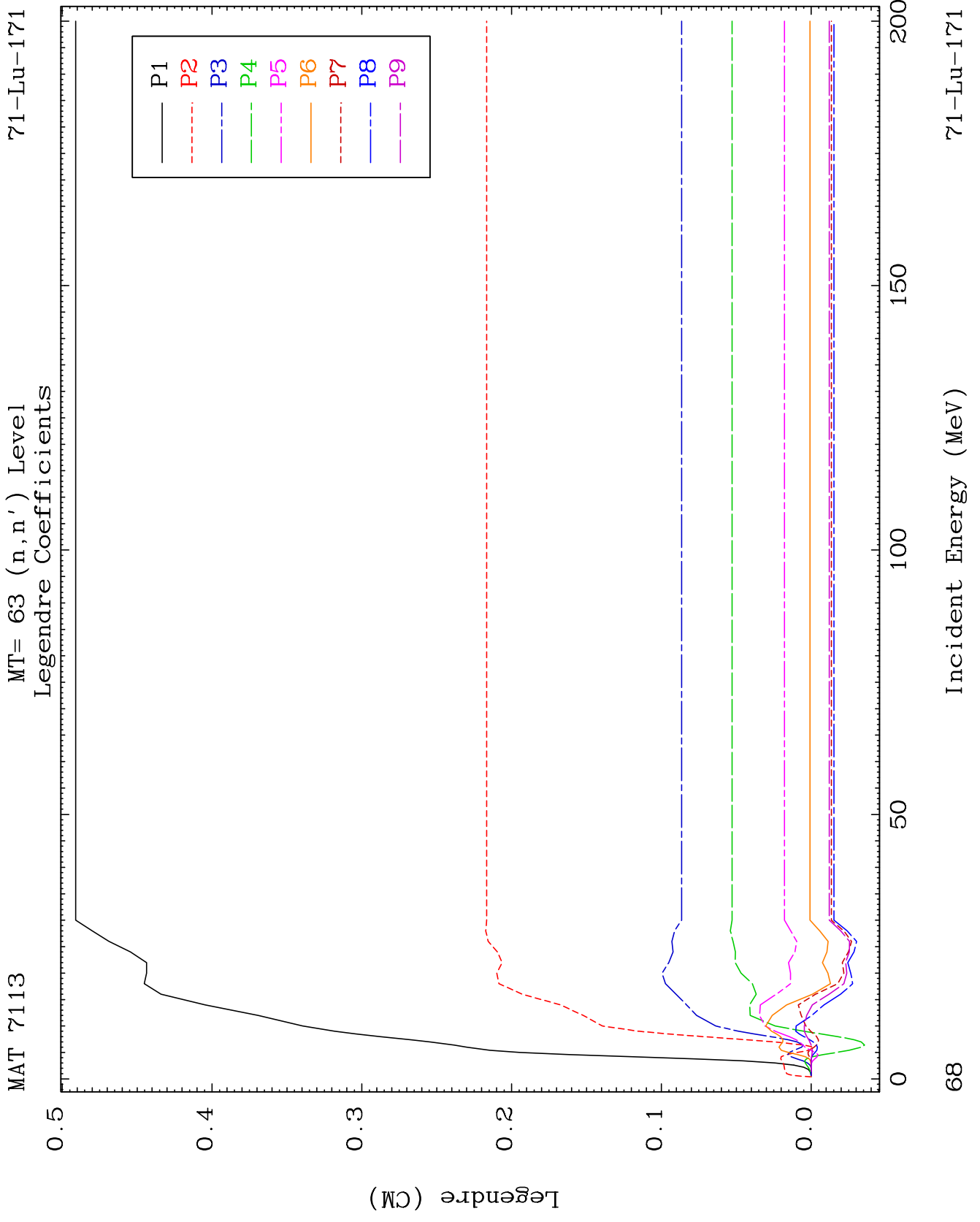
71-Lu-171

Incident Energy (MeV)

65



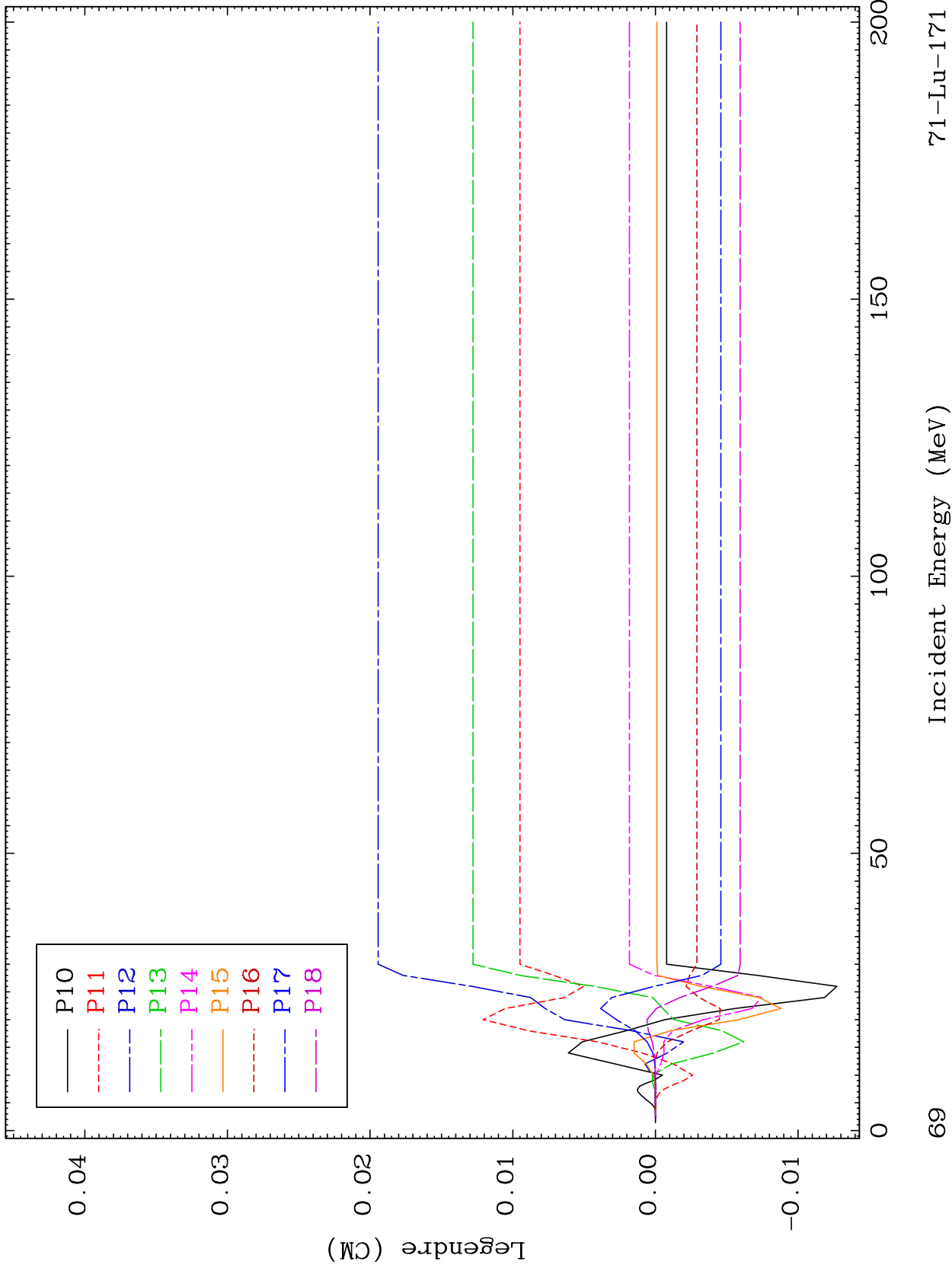




MAT 7113

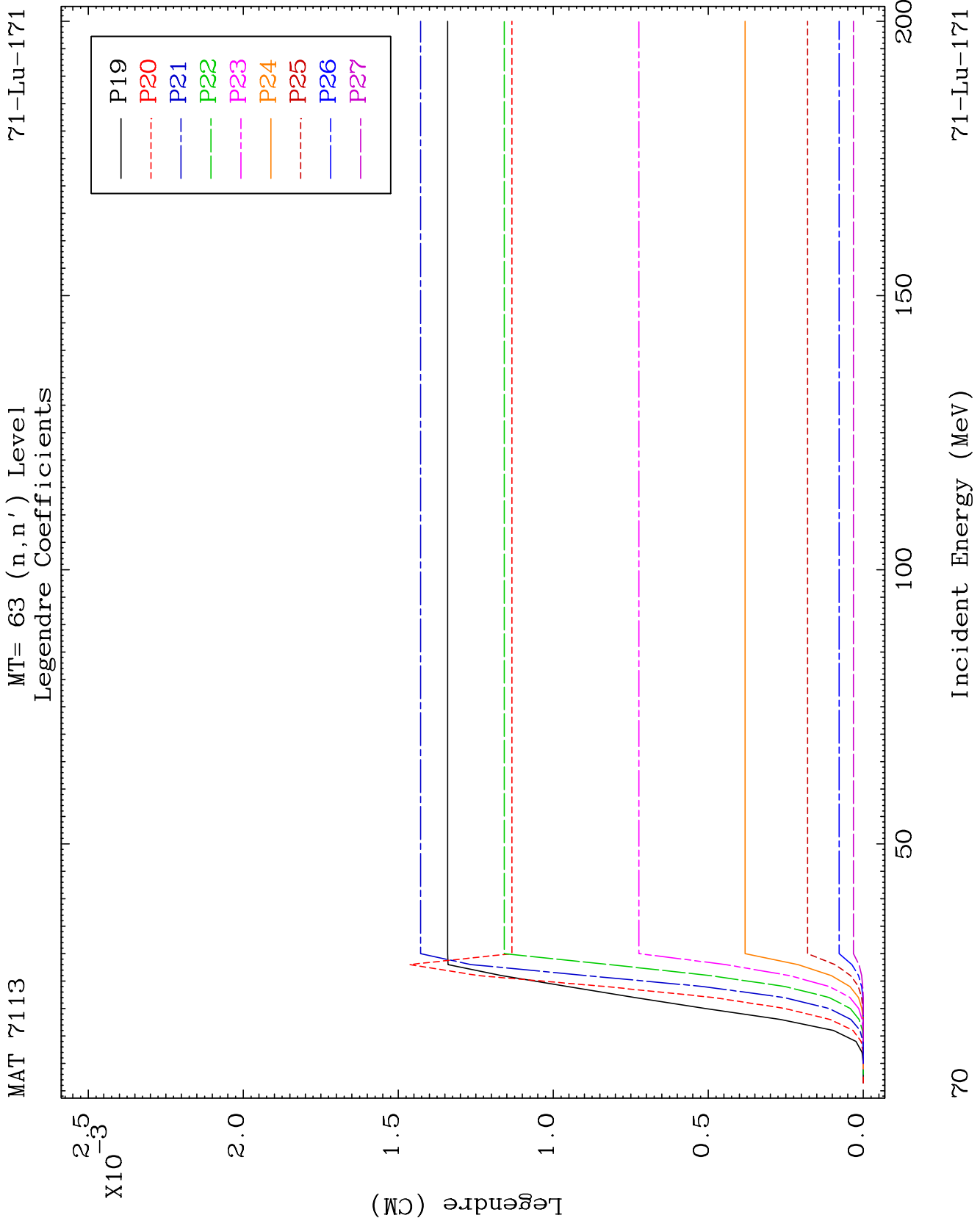
MT= 63 (n,n') Level  
Legendre Coefficients

71-Lu-171



69

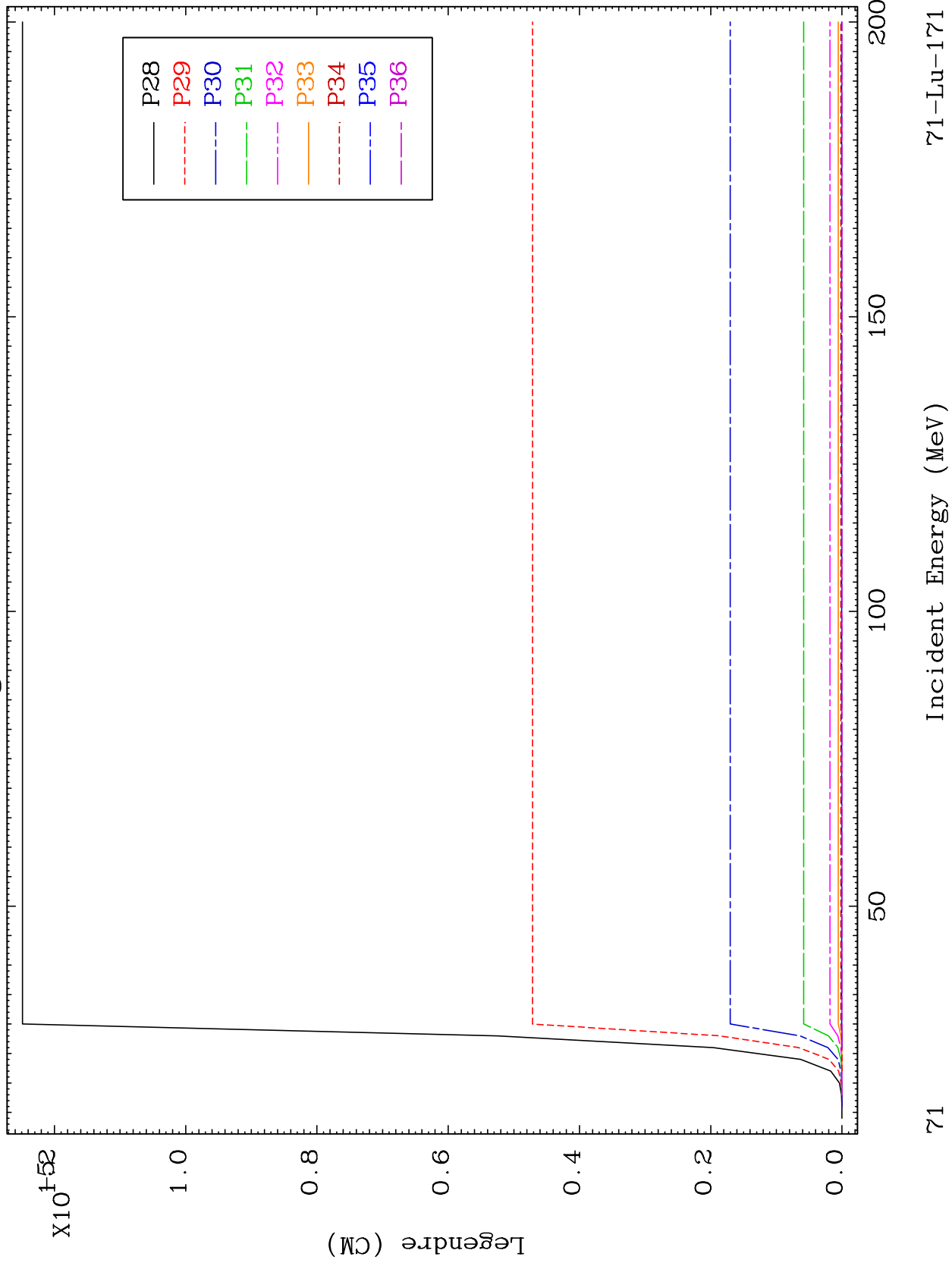
71-Lu-171



MAT 7113

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

71-Lu-171



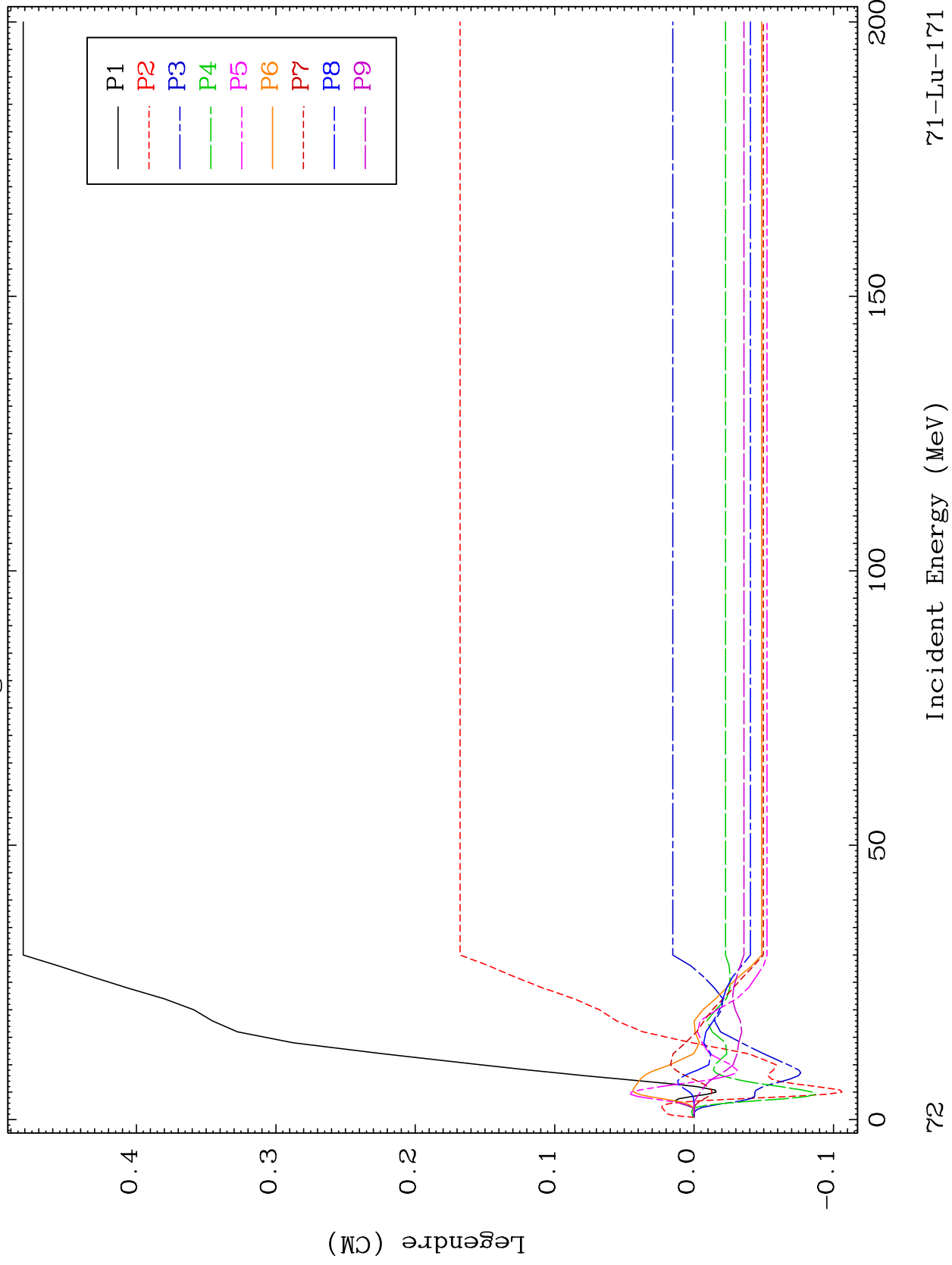
71



MAT 7113

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

71-Lu-171



71-Lu-171

Incident Energy (MeV)

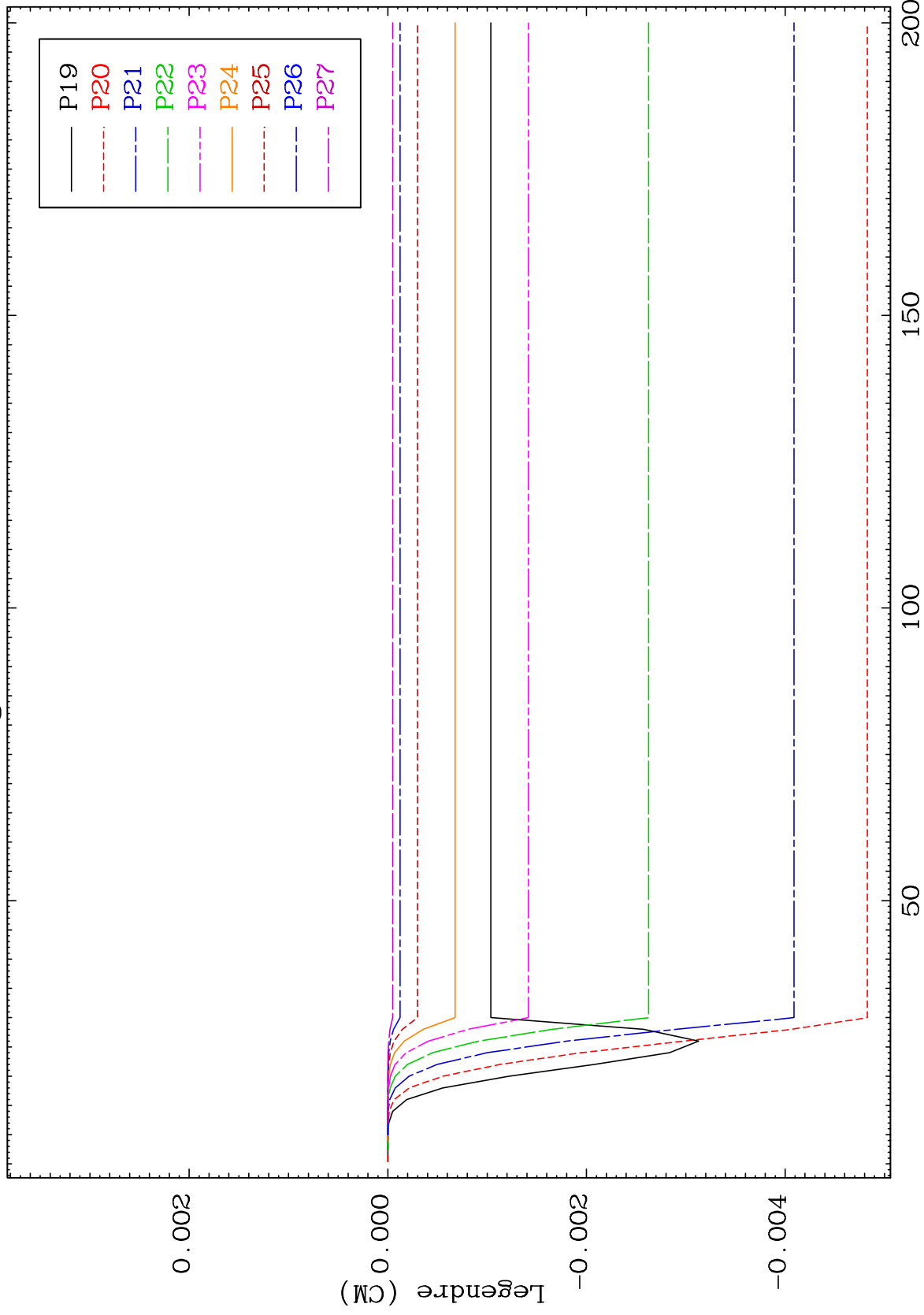
72



MAT 7113

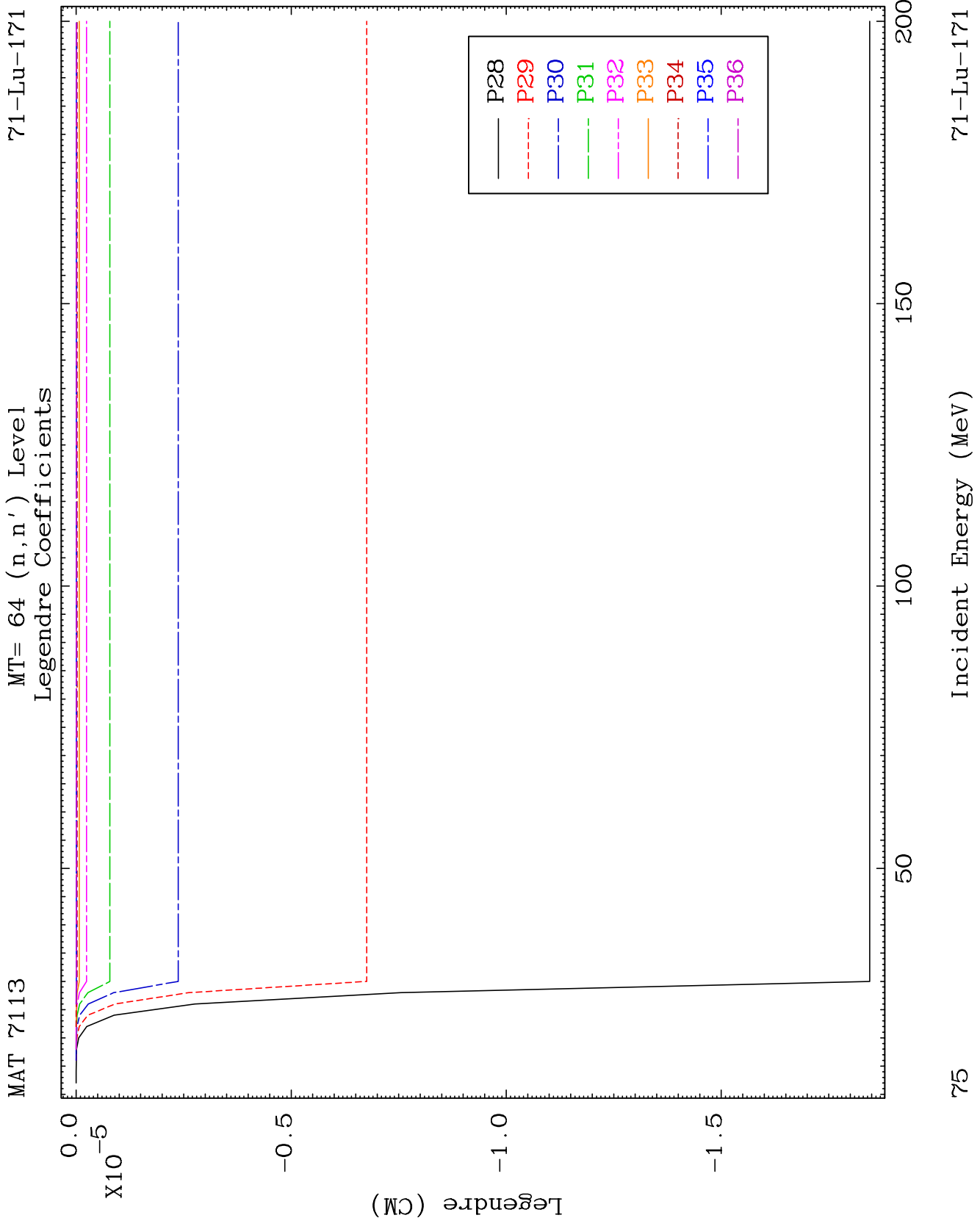
MT= 64 (n,n') Level  
Legendre Coefficients

71-Lu-171



74

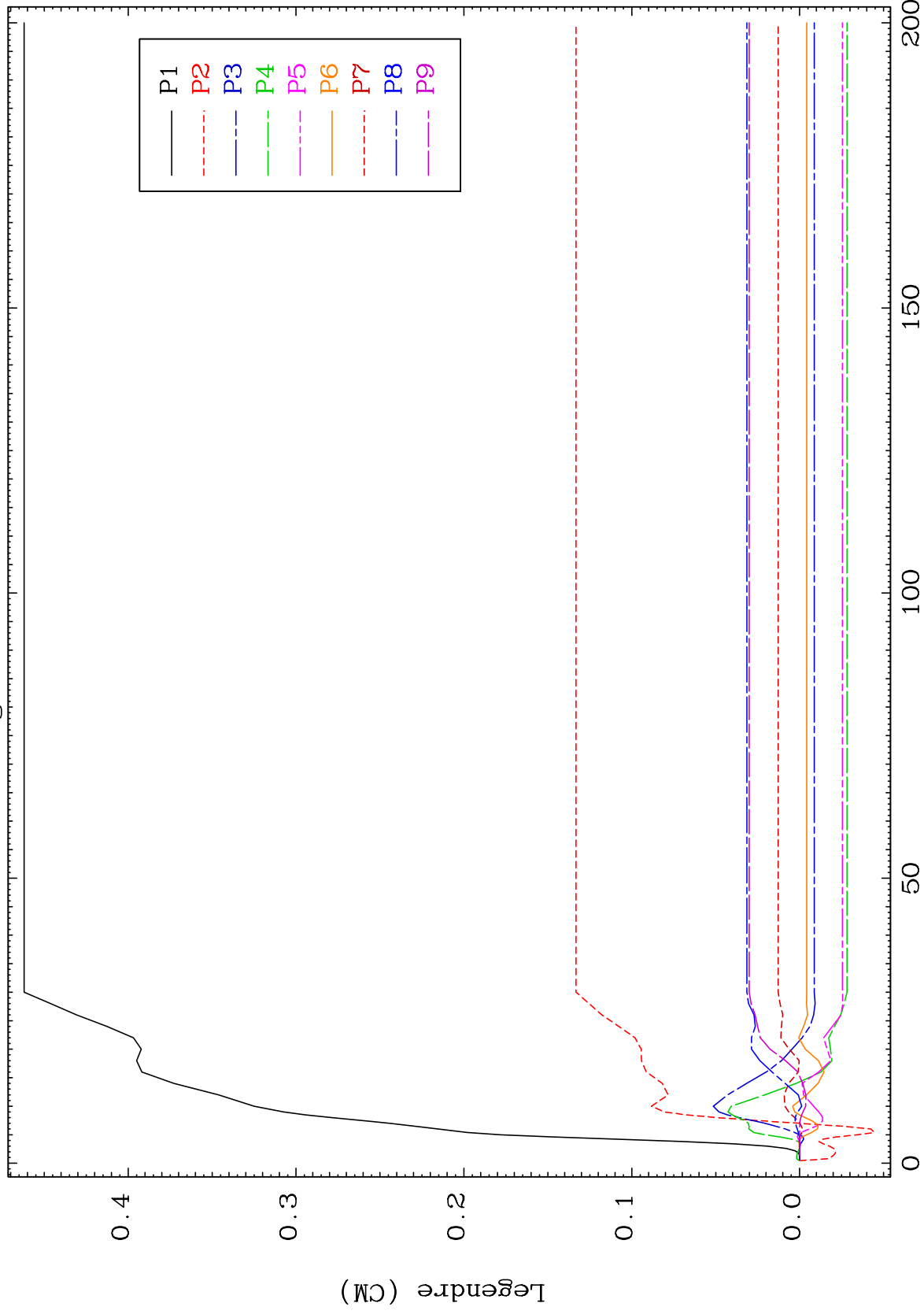
71-Lu-171



MAT 7113

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

71-Lu-171



76

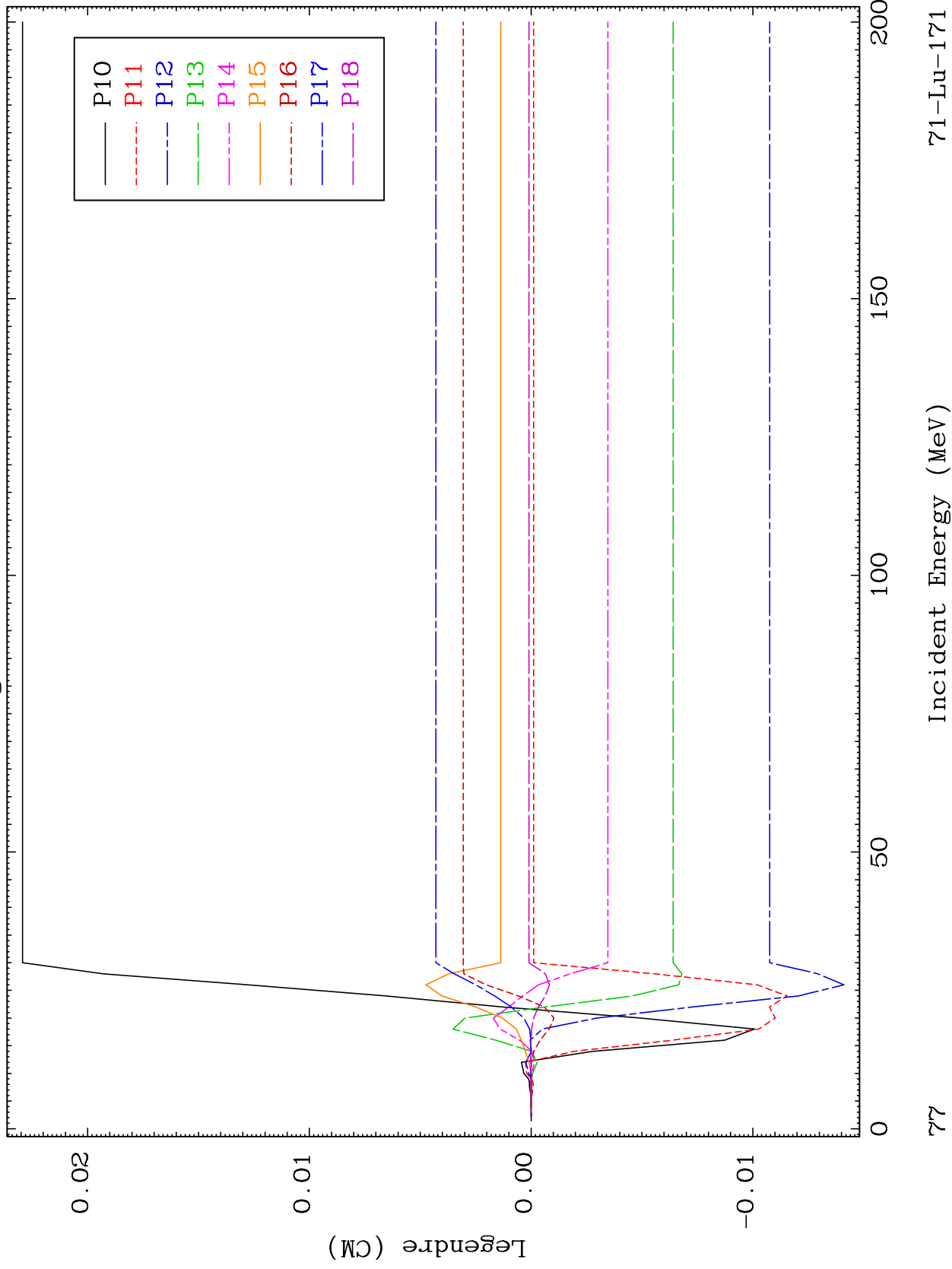
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



71-Lu-171

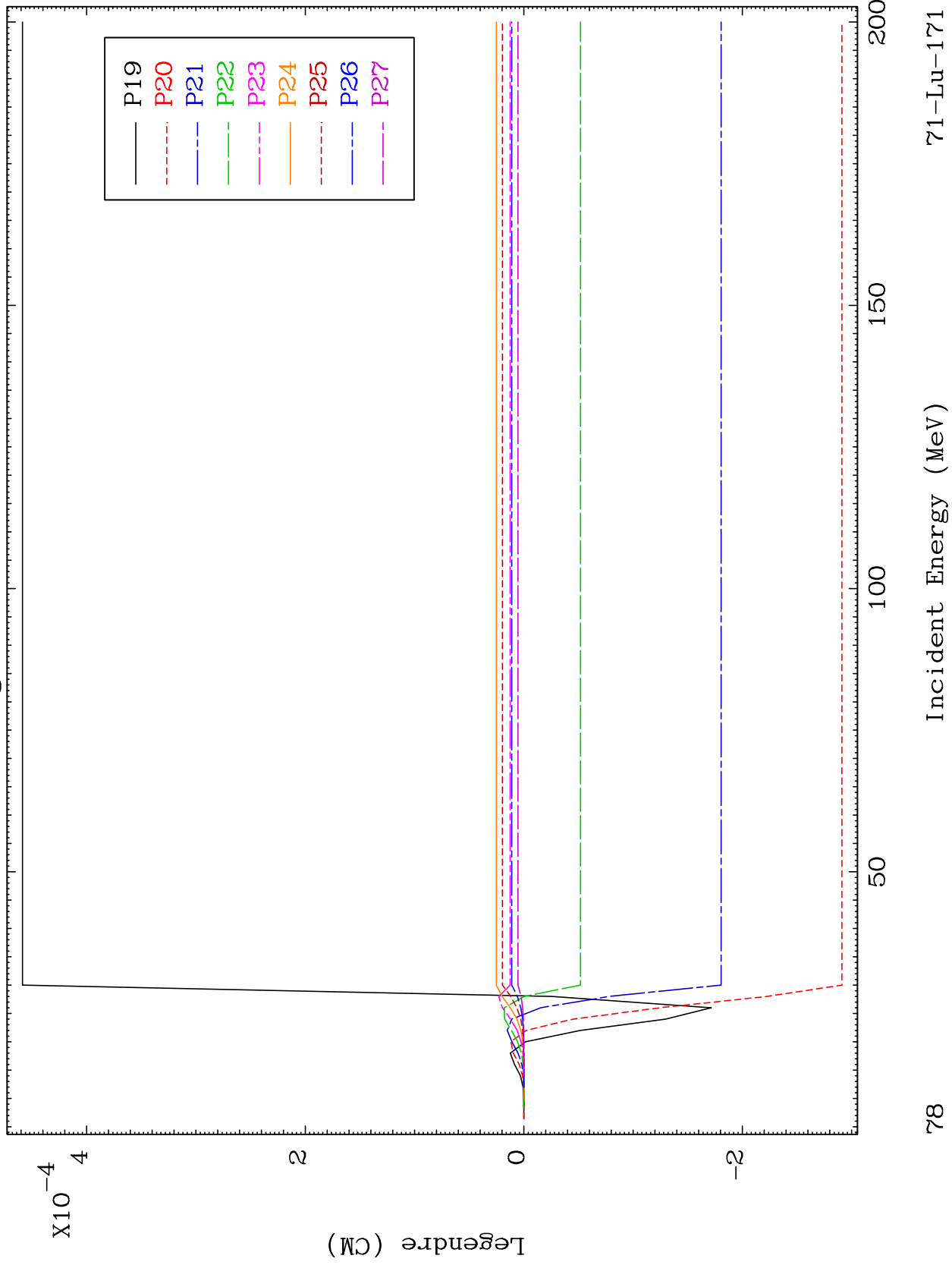
Incident Energy (MeV)

77

MAT 7113

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

71-Lu-171



78

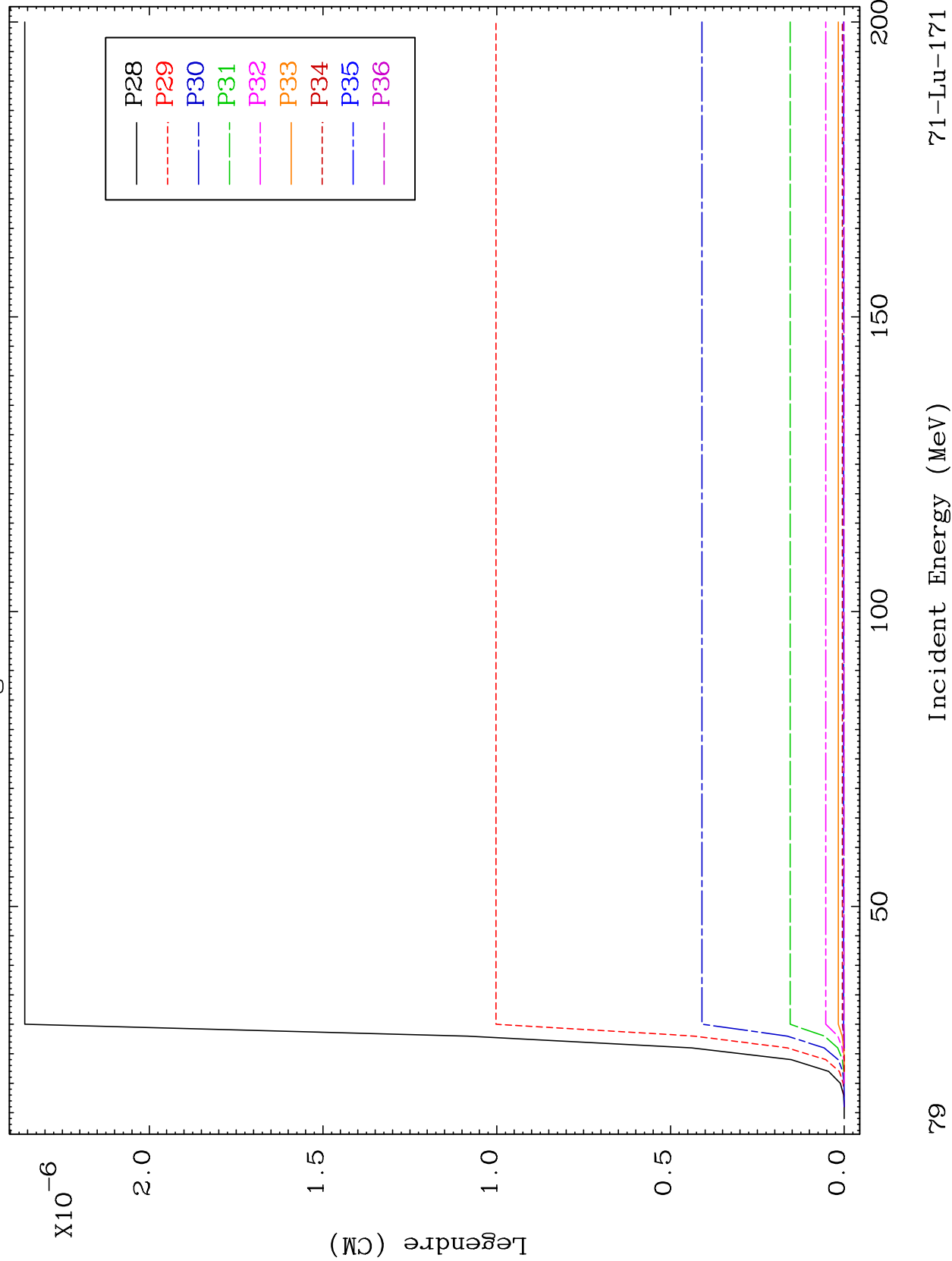
Incident Energy (MeV)

71-Lu-171

MAT 7113

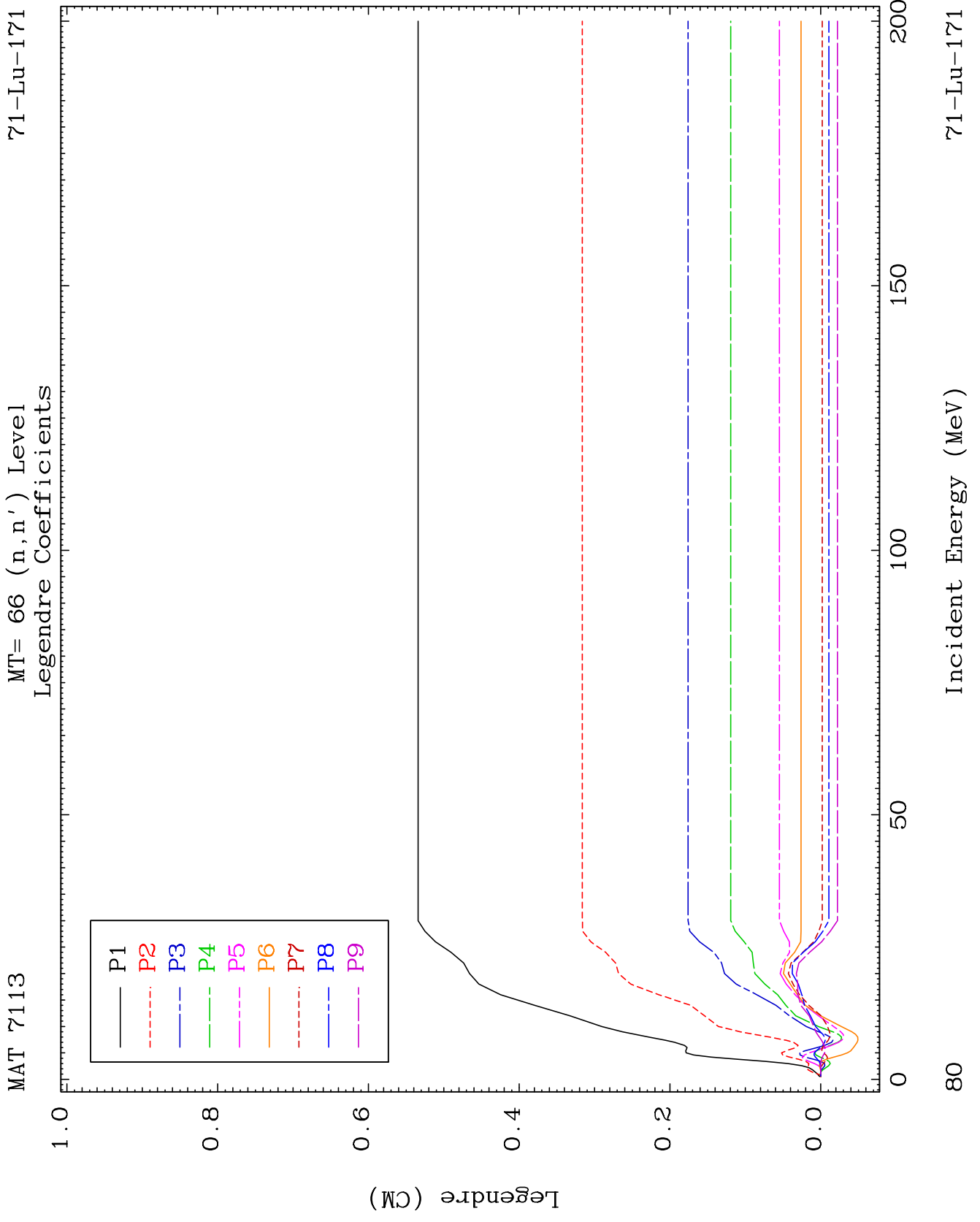
MT= 65 (n,n') Level  
Legendre Coefficients

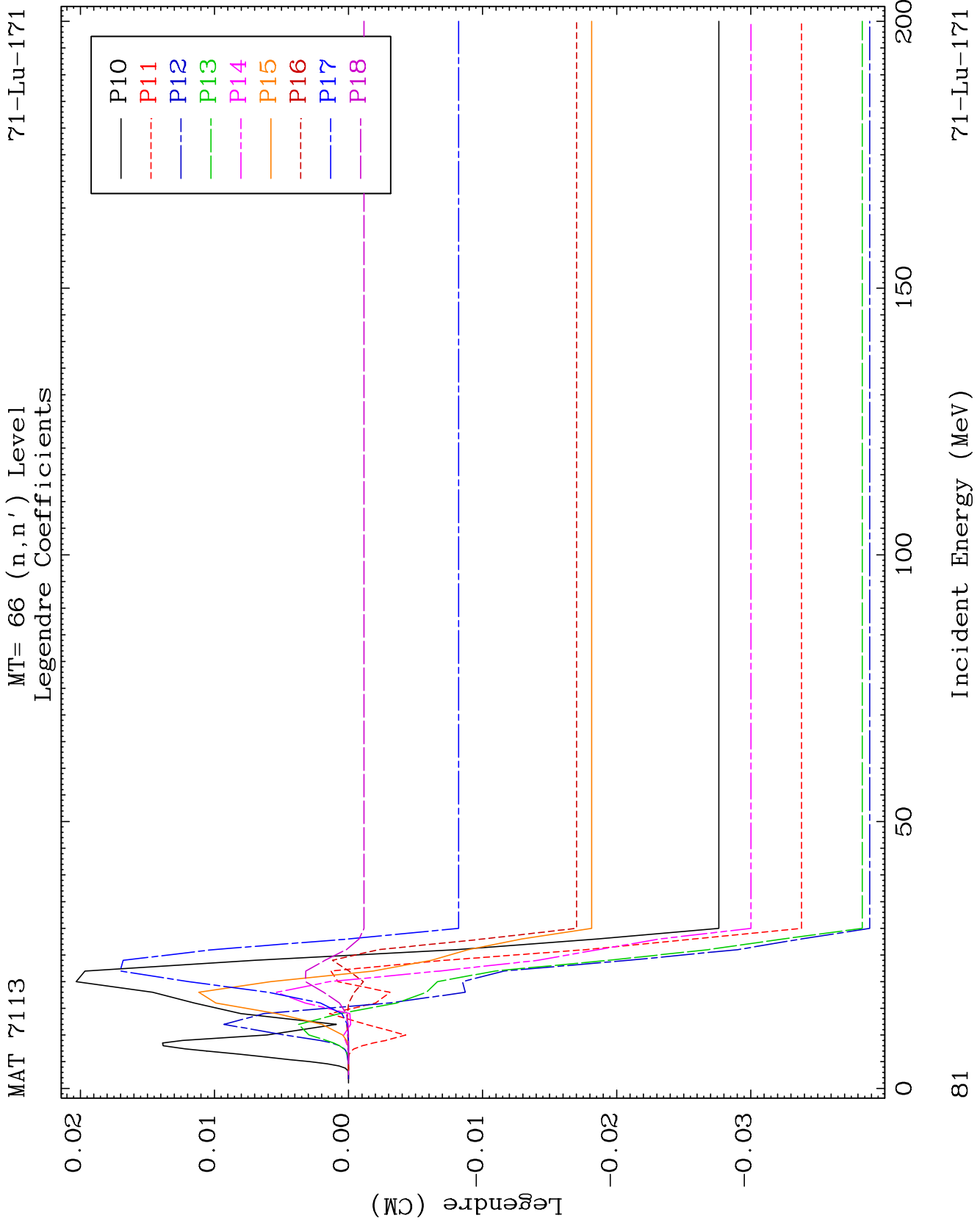
71-Lu-171

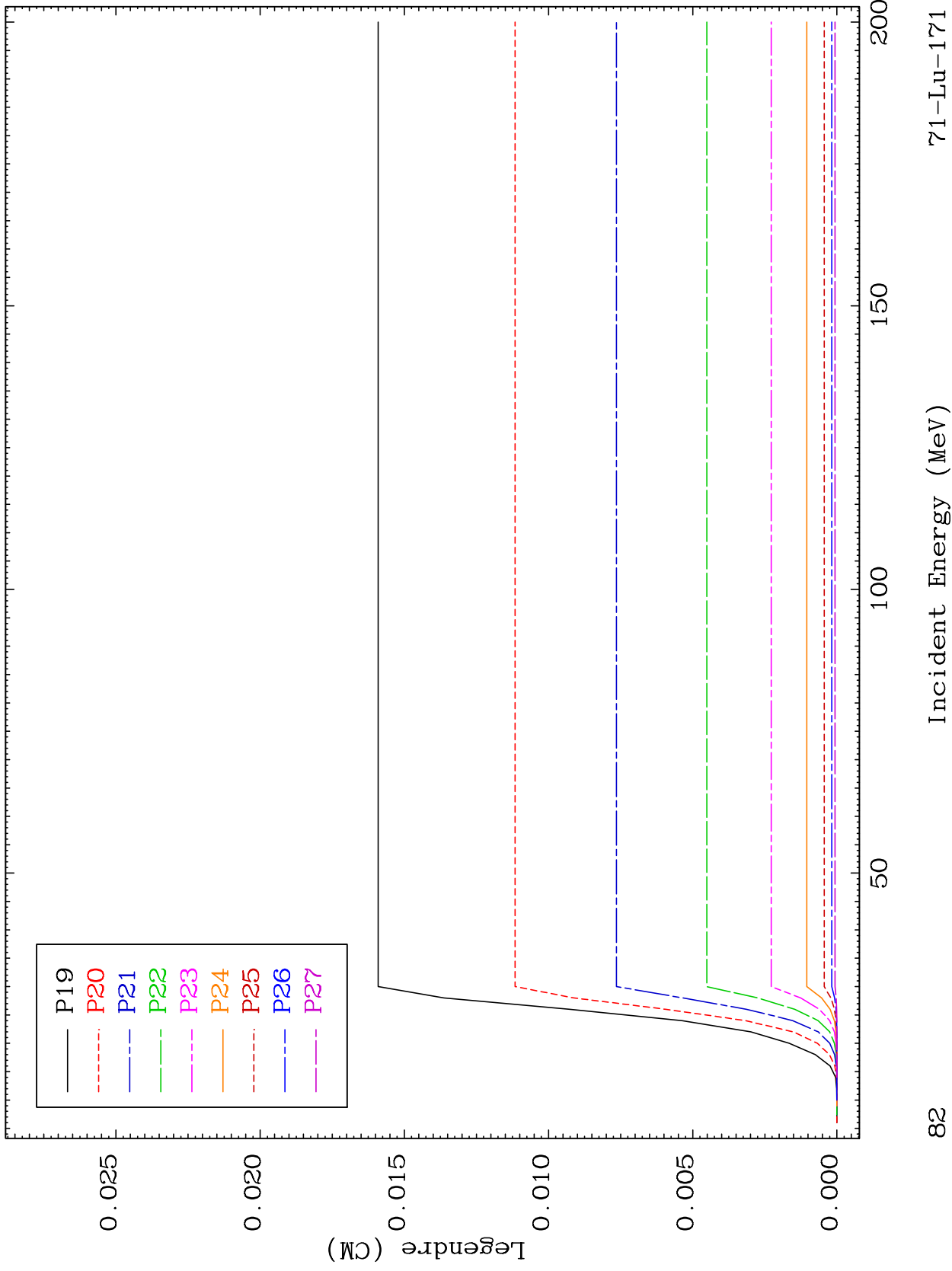


79





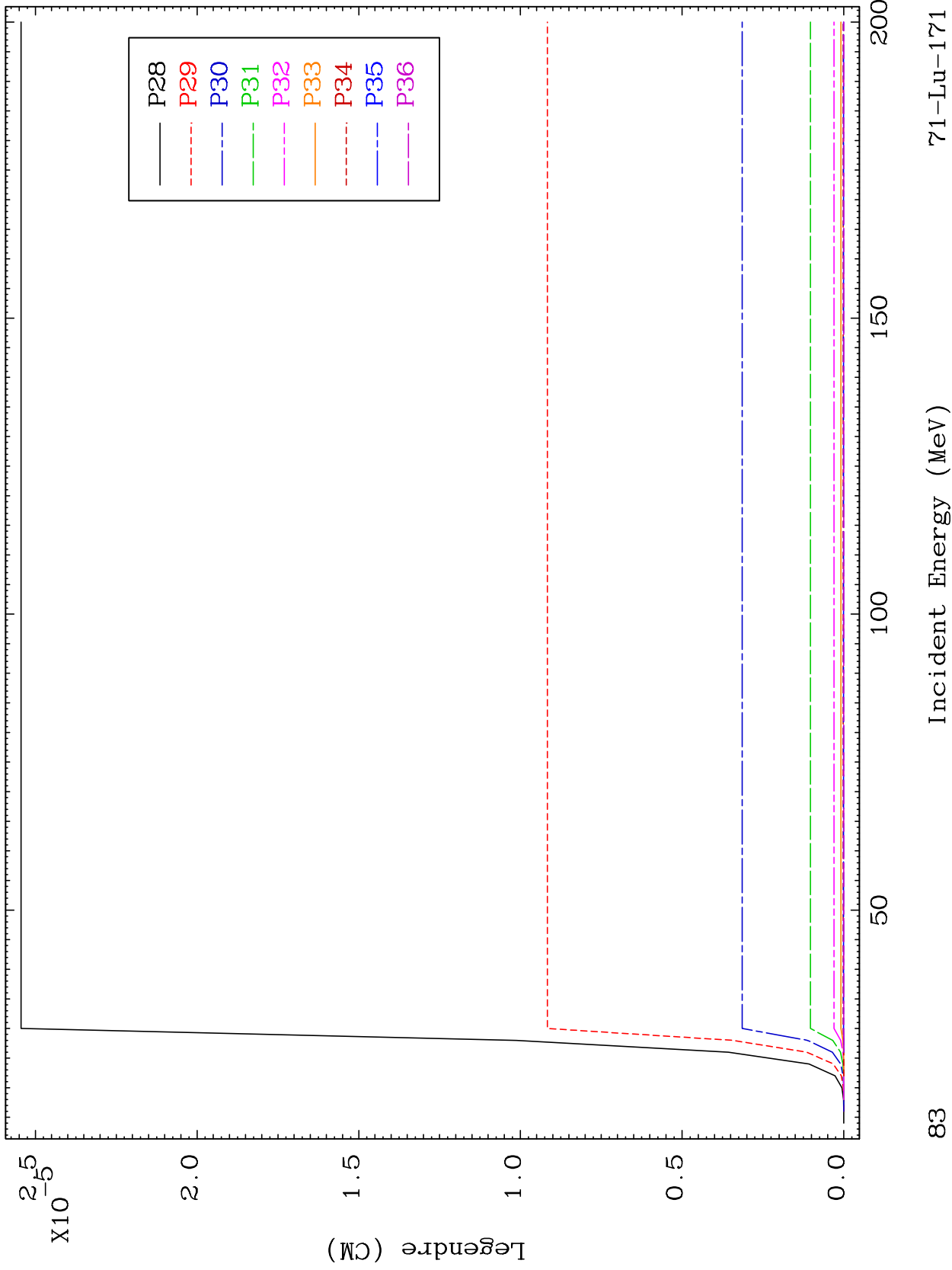


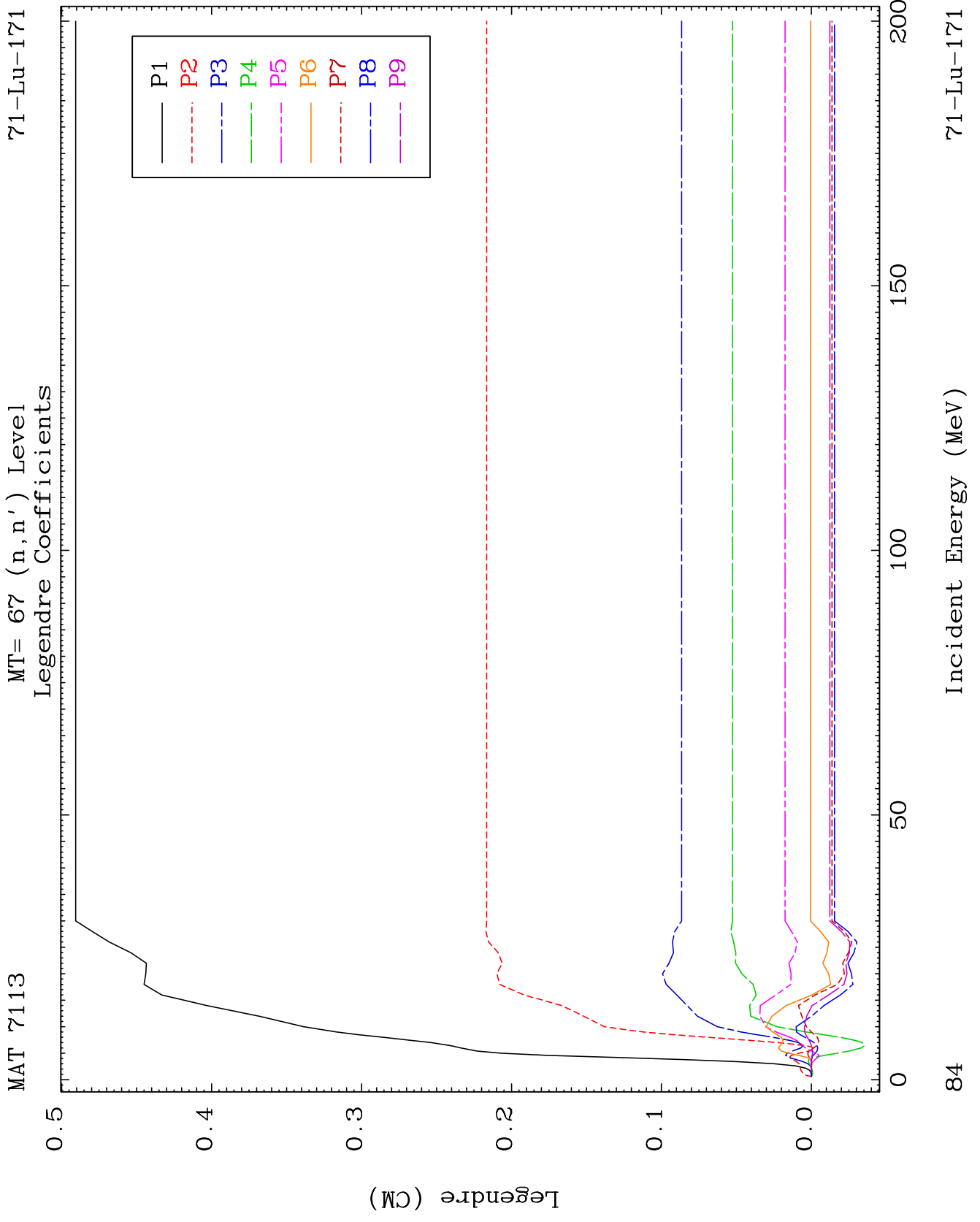


MAT 7113

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

71-Lu-171

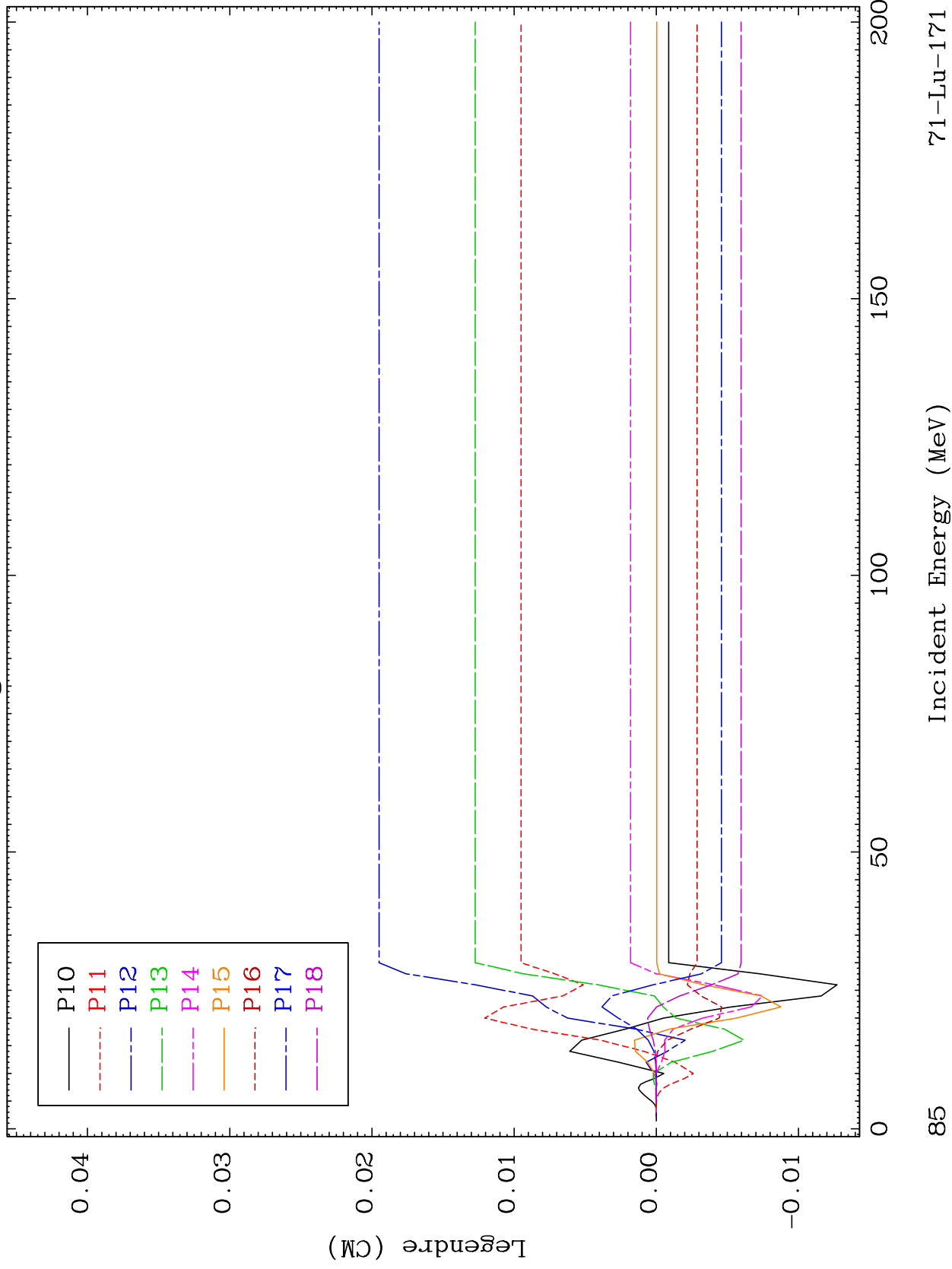




MAT 7113

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

71-Lu-171



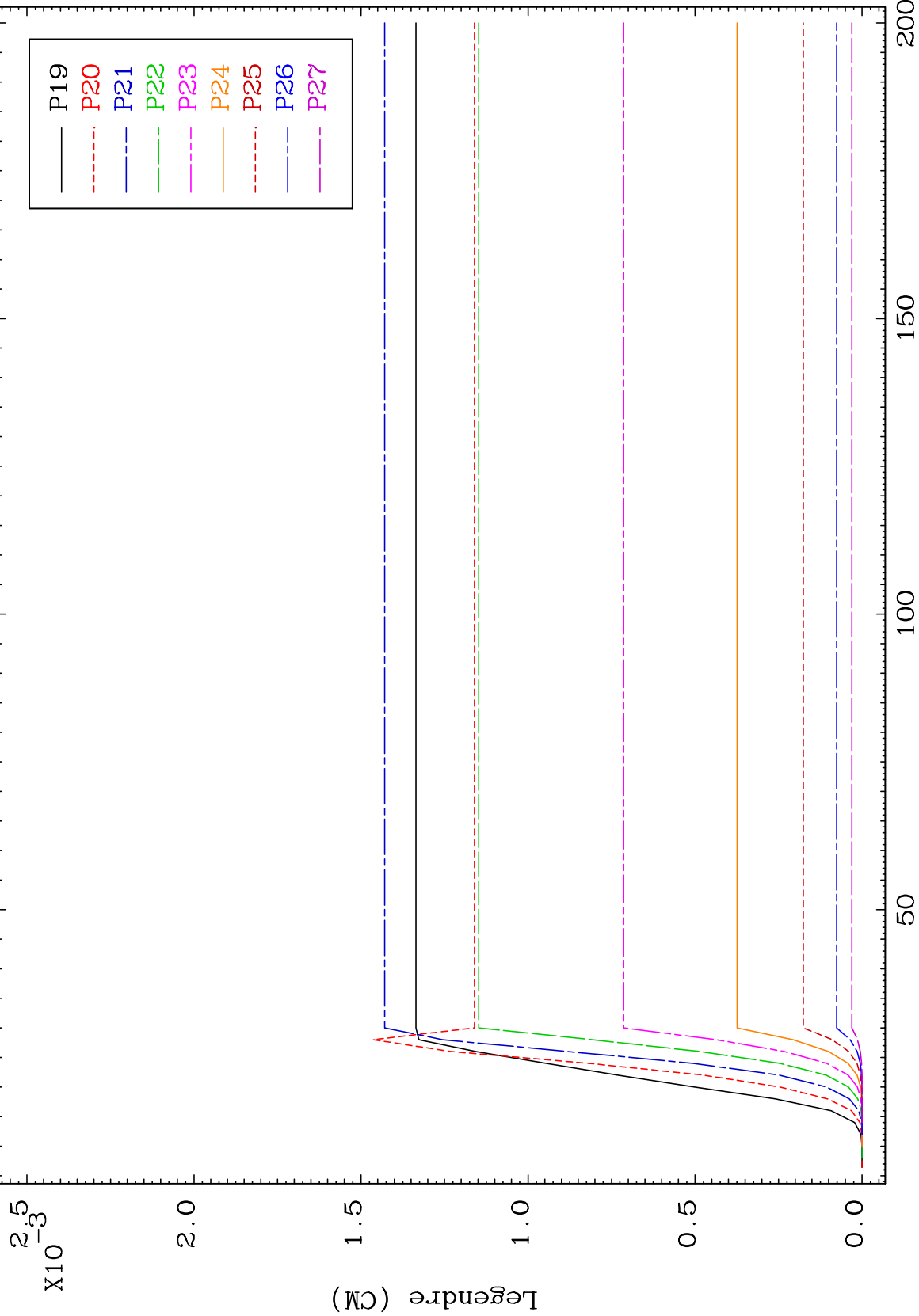
85

71-Lu-171

MAT 7113

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

71-Lu-171



86

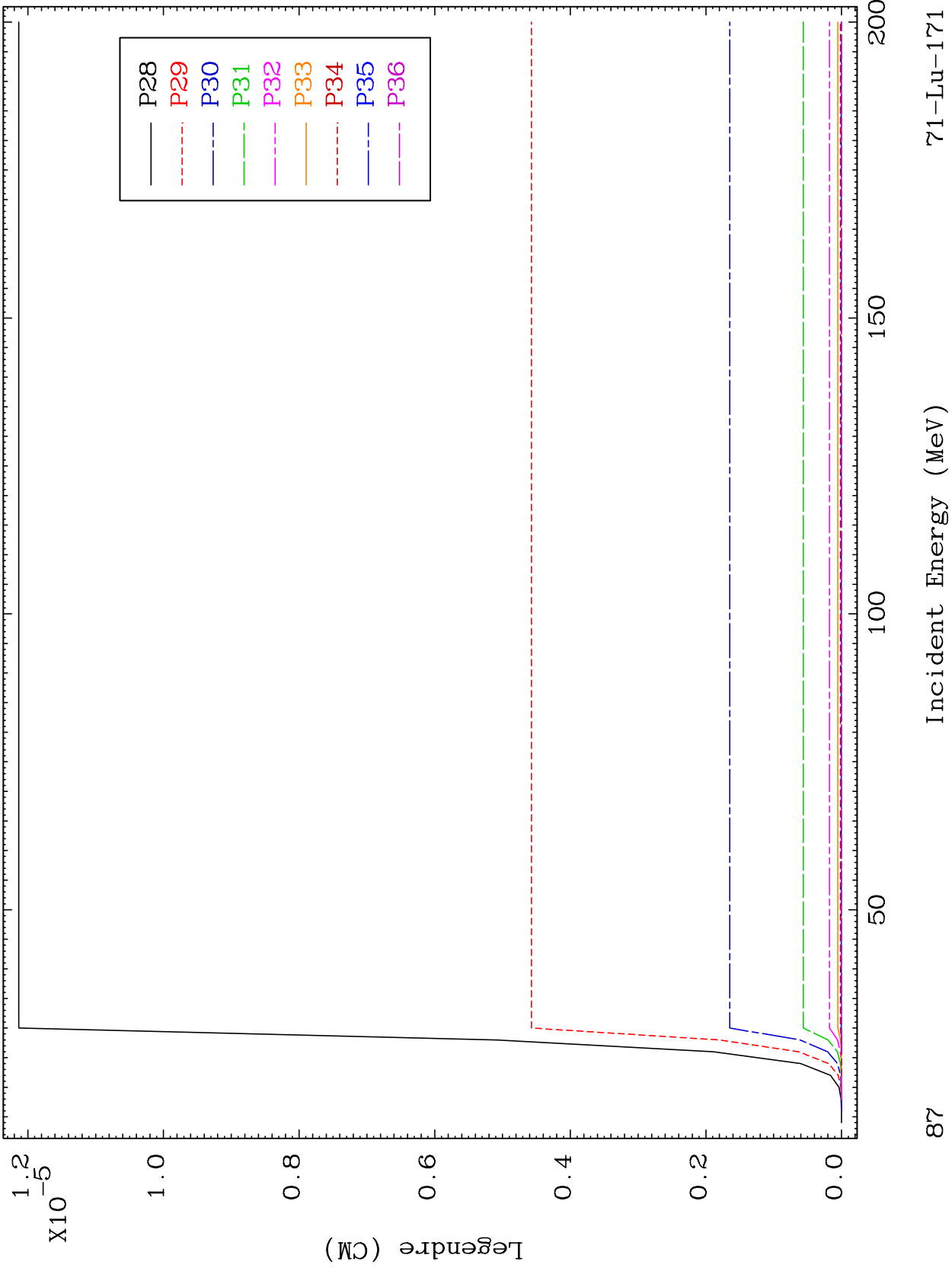
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



87

Incident Energy (MeV)

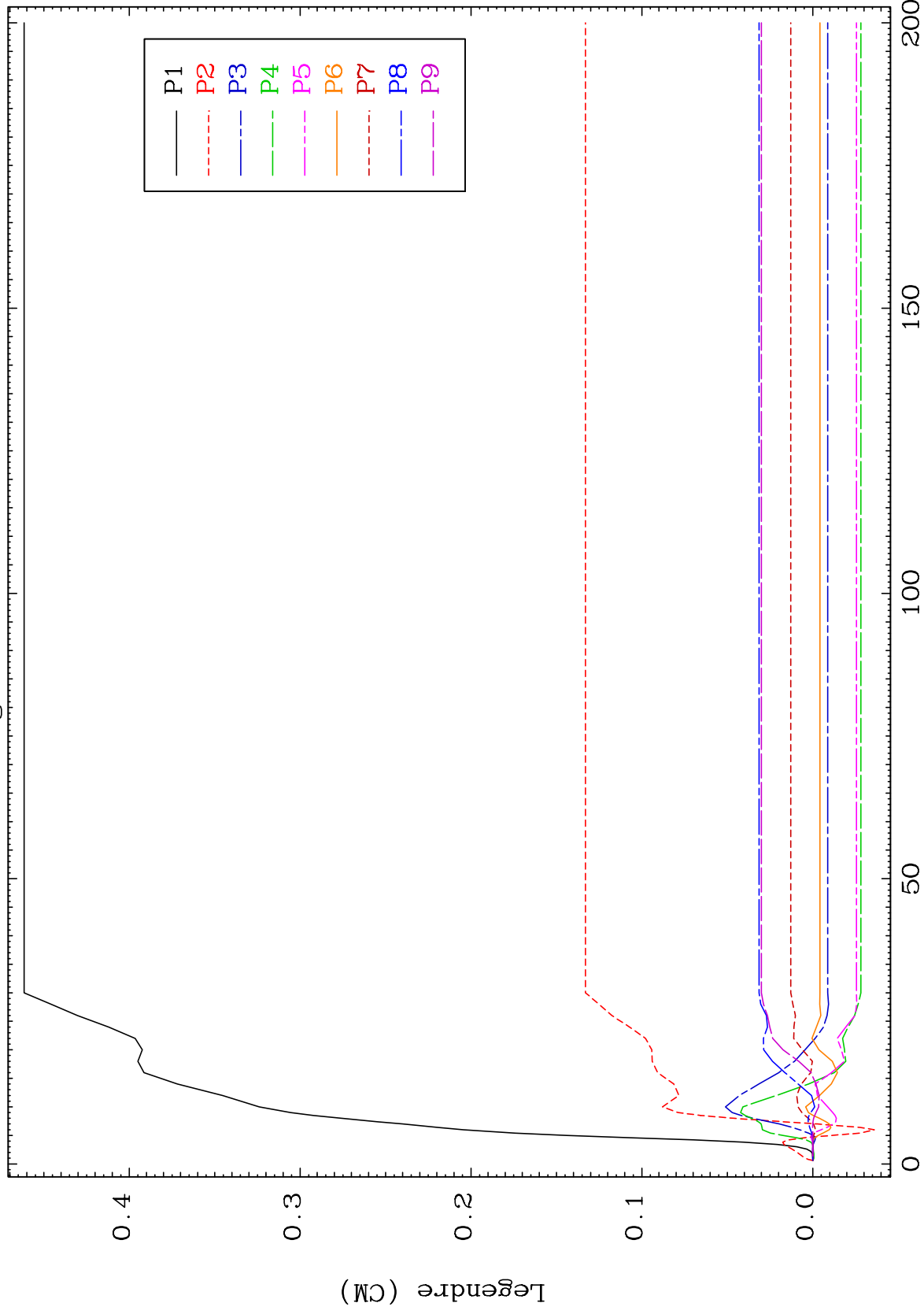
71-Lu-171



MAT 7113

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

71-Lu-171



88

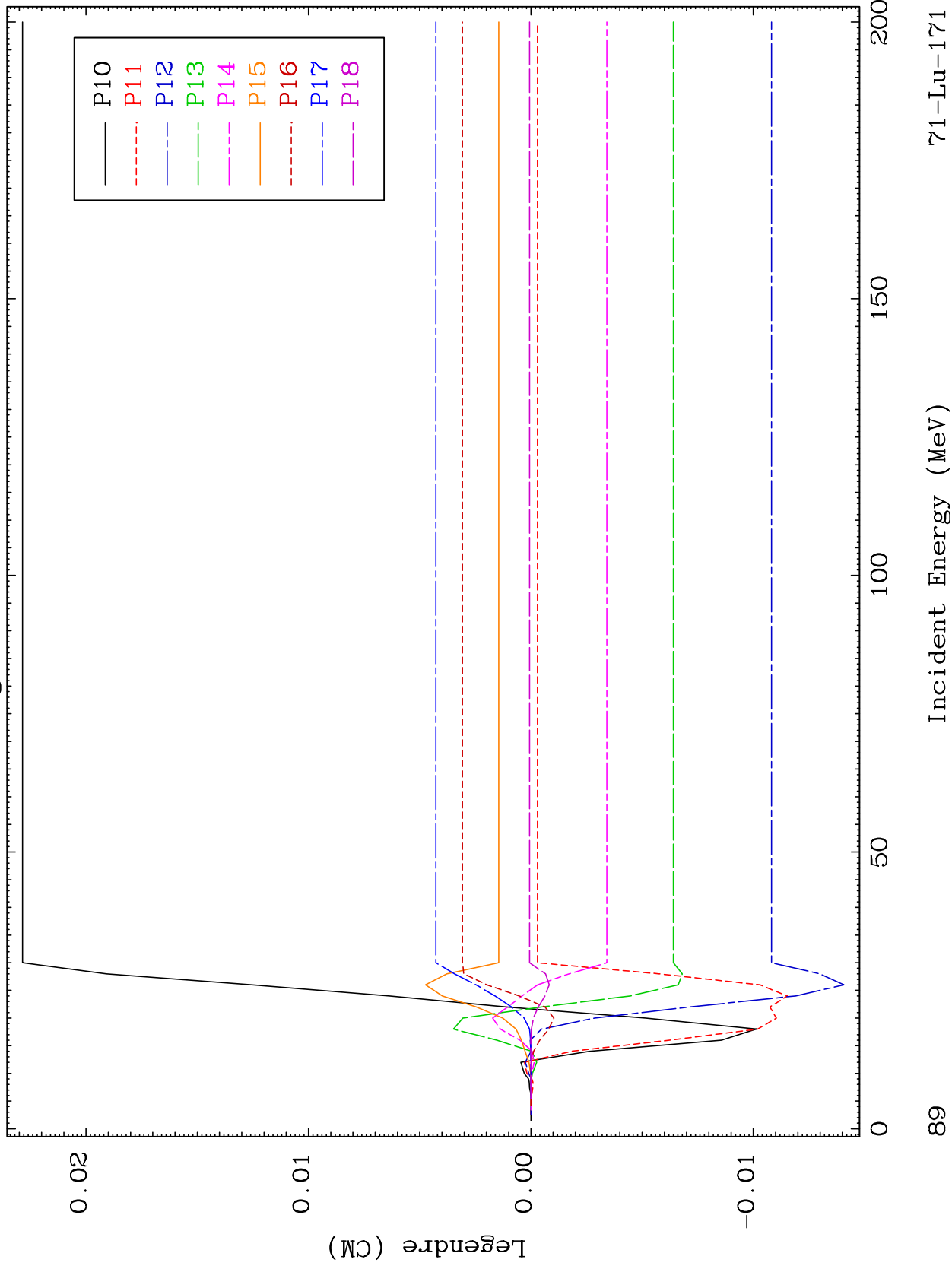
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



89

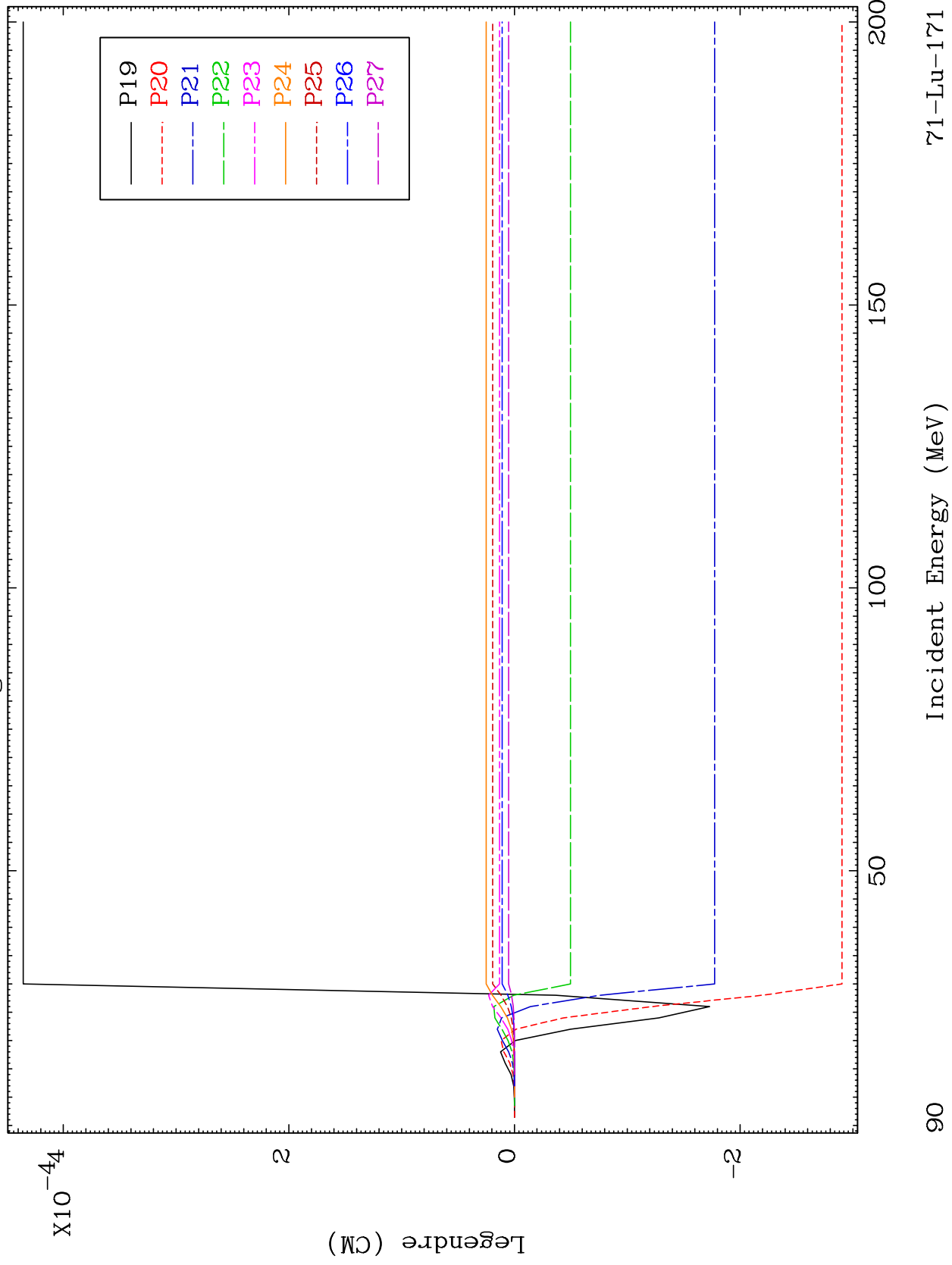
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

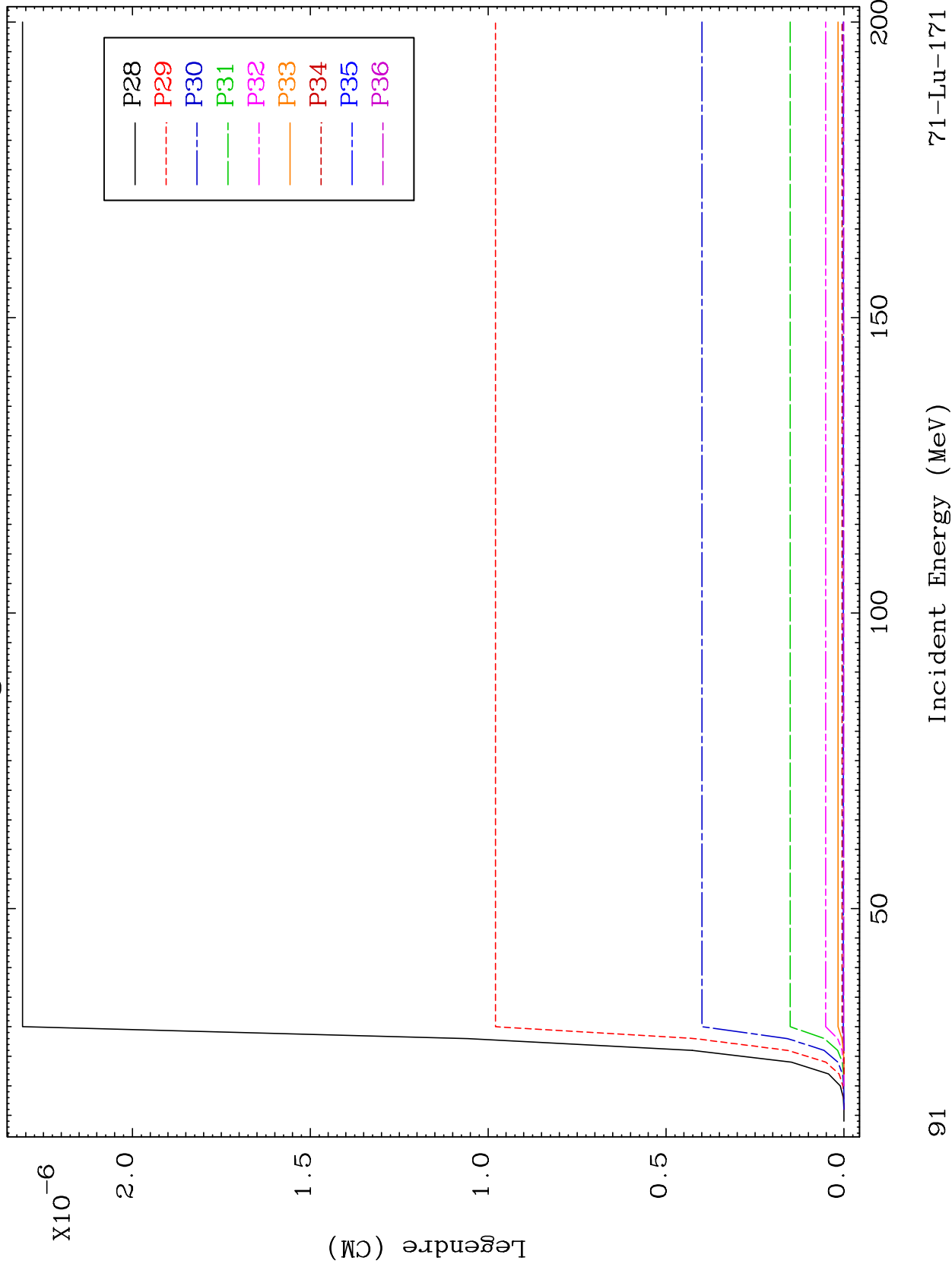
71-Lu-171



MAT 7113

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

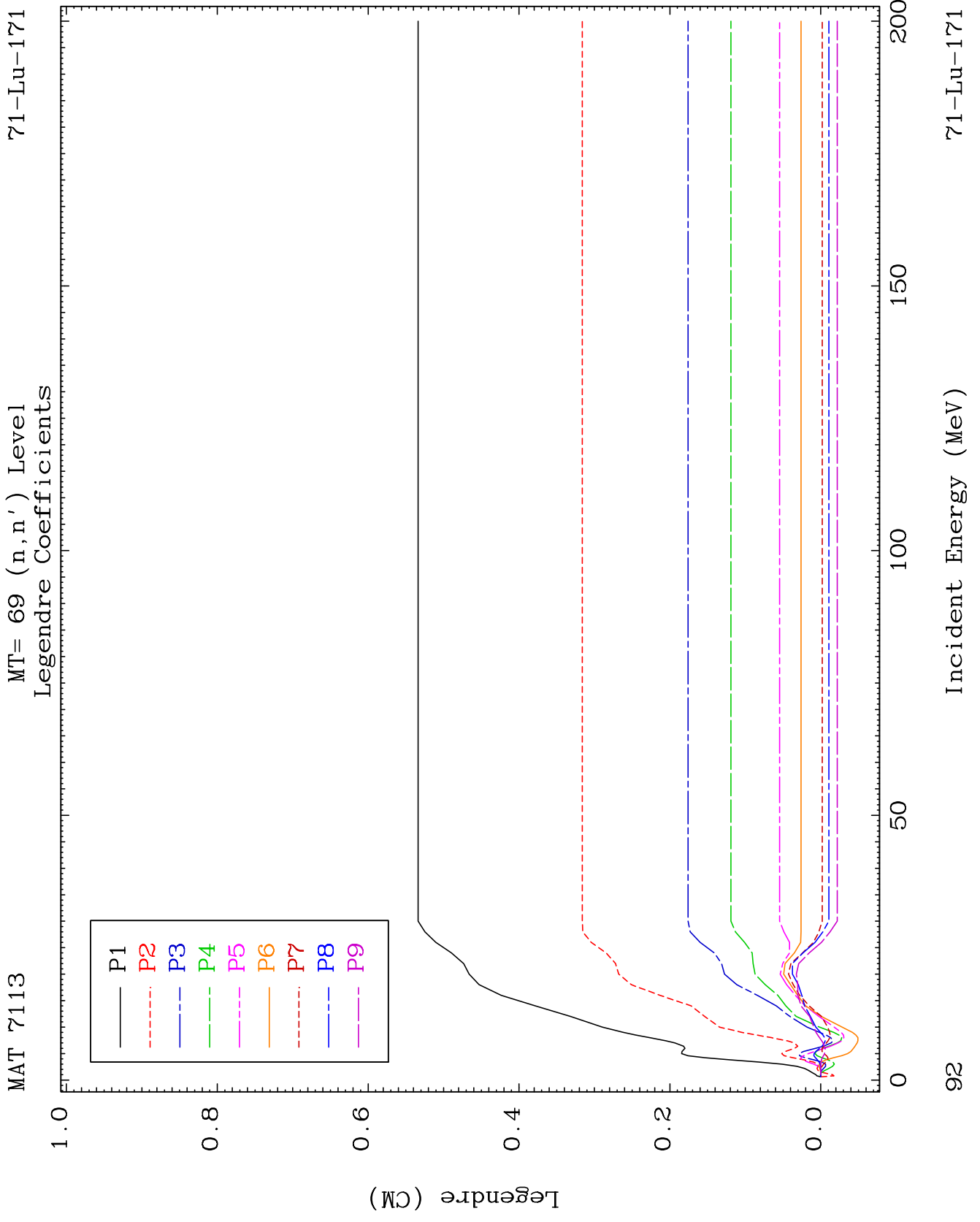
71-Lu-171

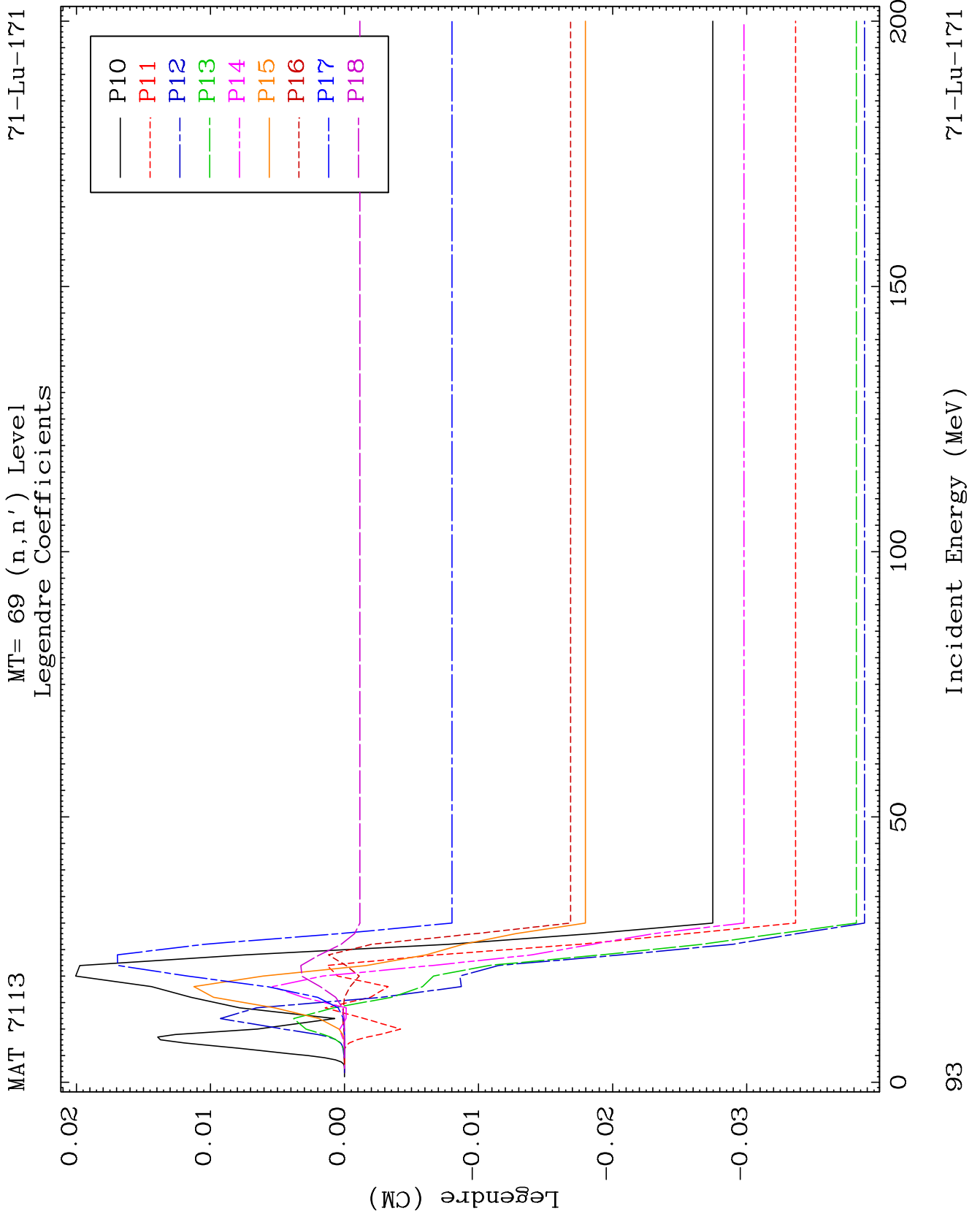


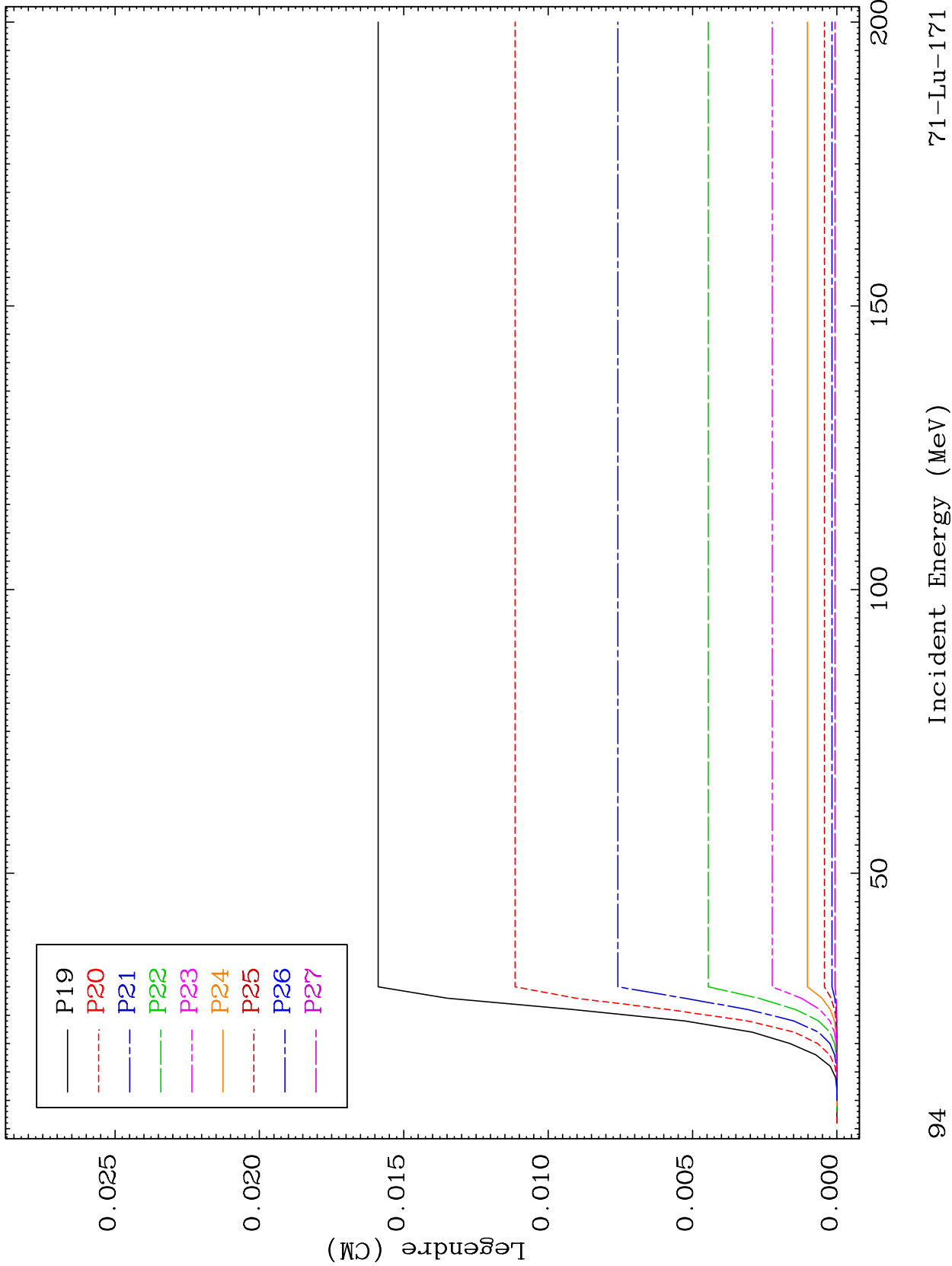
91

Incident Energy (MeV)

71-Lu-171



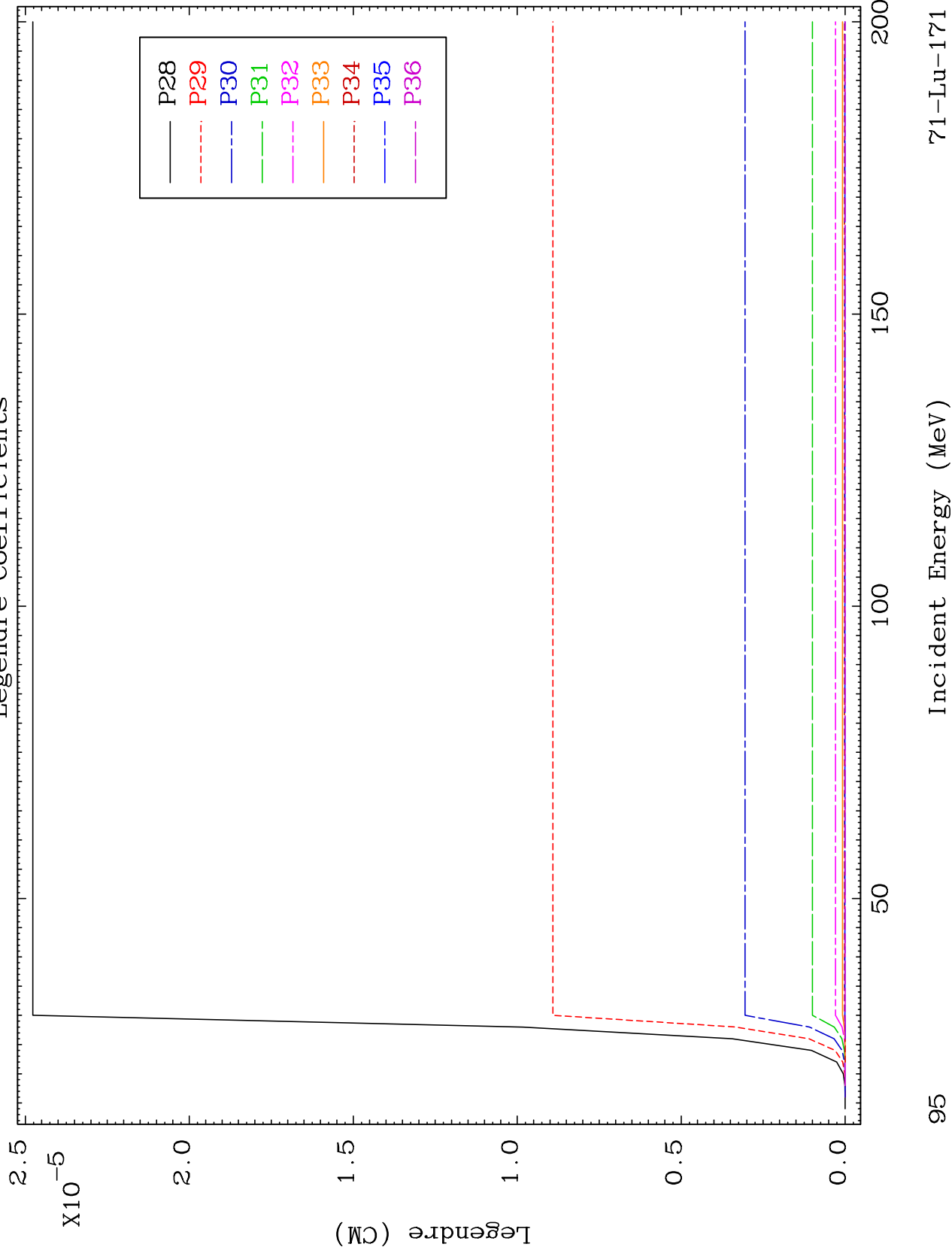




MAT 7113

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

71-Lu-171



95

Incident Energy (MeV)

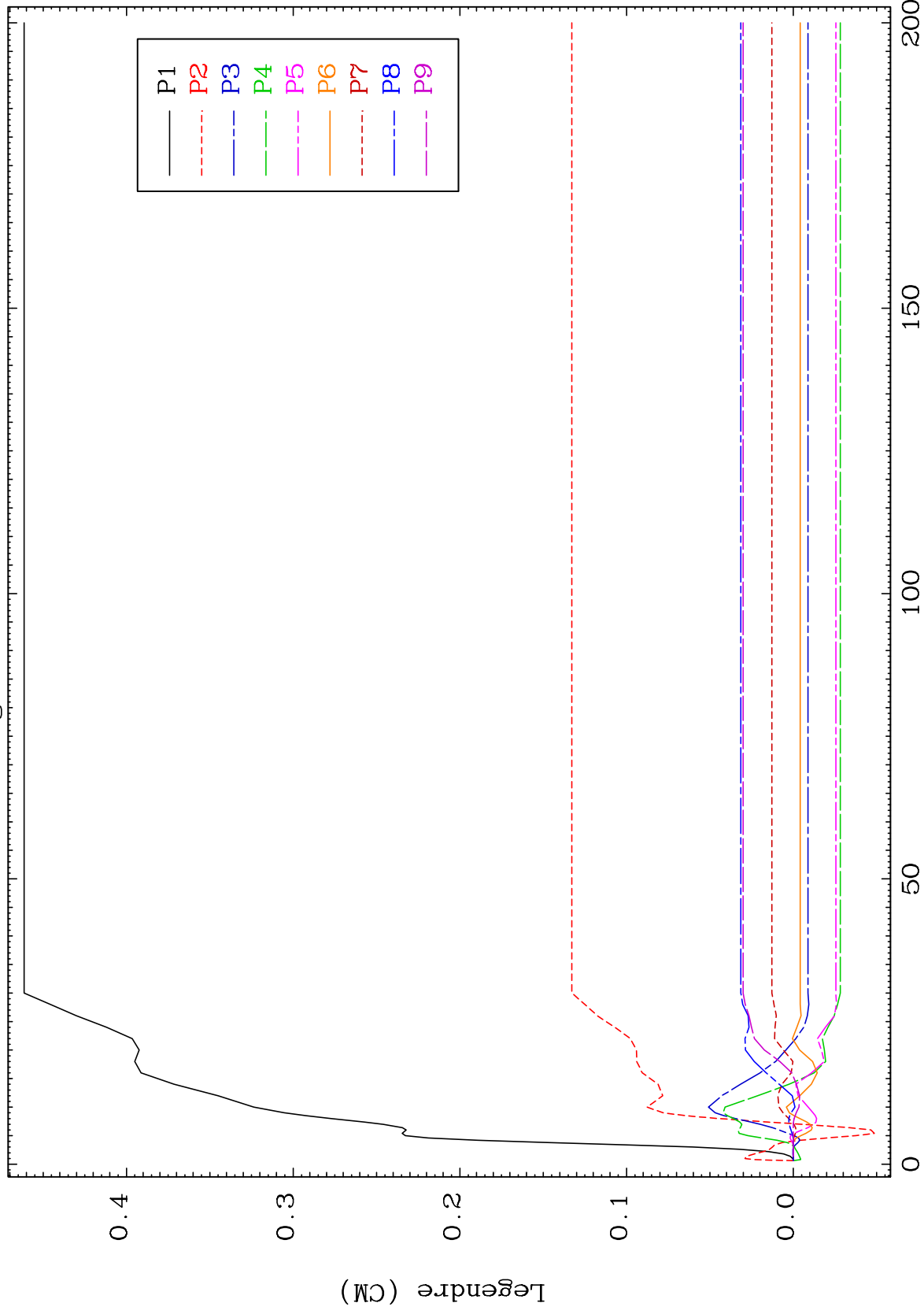
71-Lu-171



MAT 7113

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

71-Lu-171



96

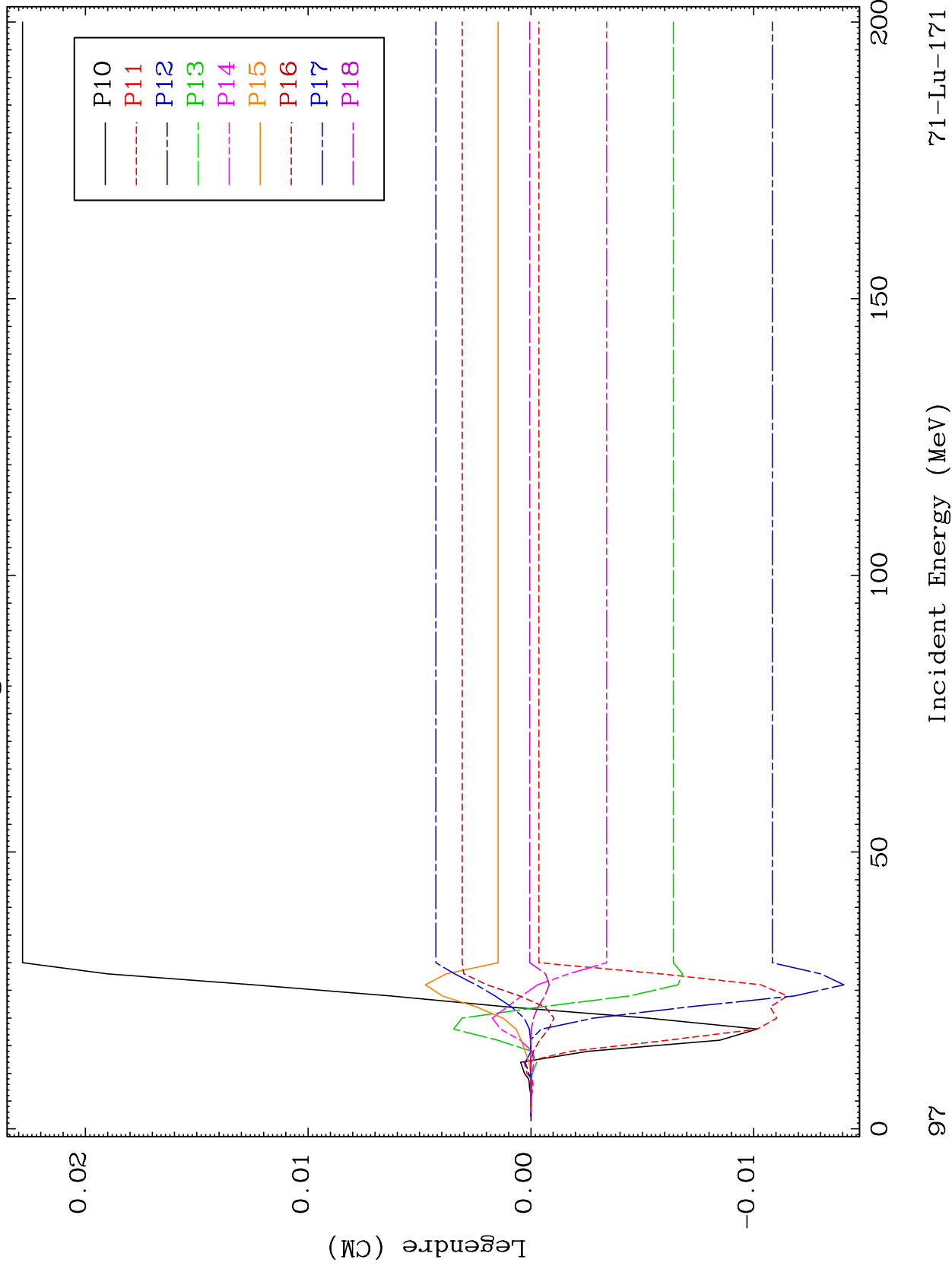
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



97

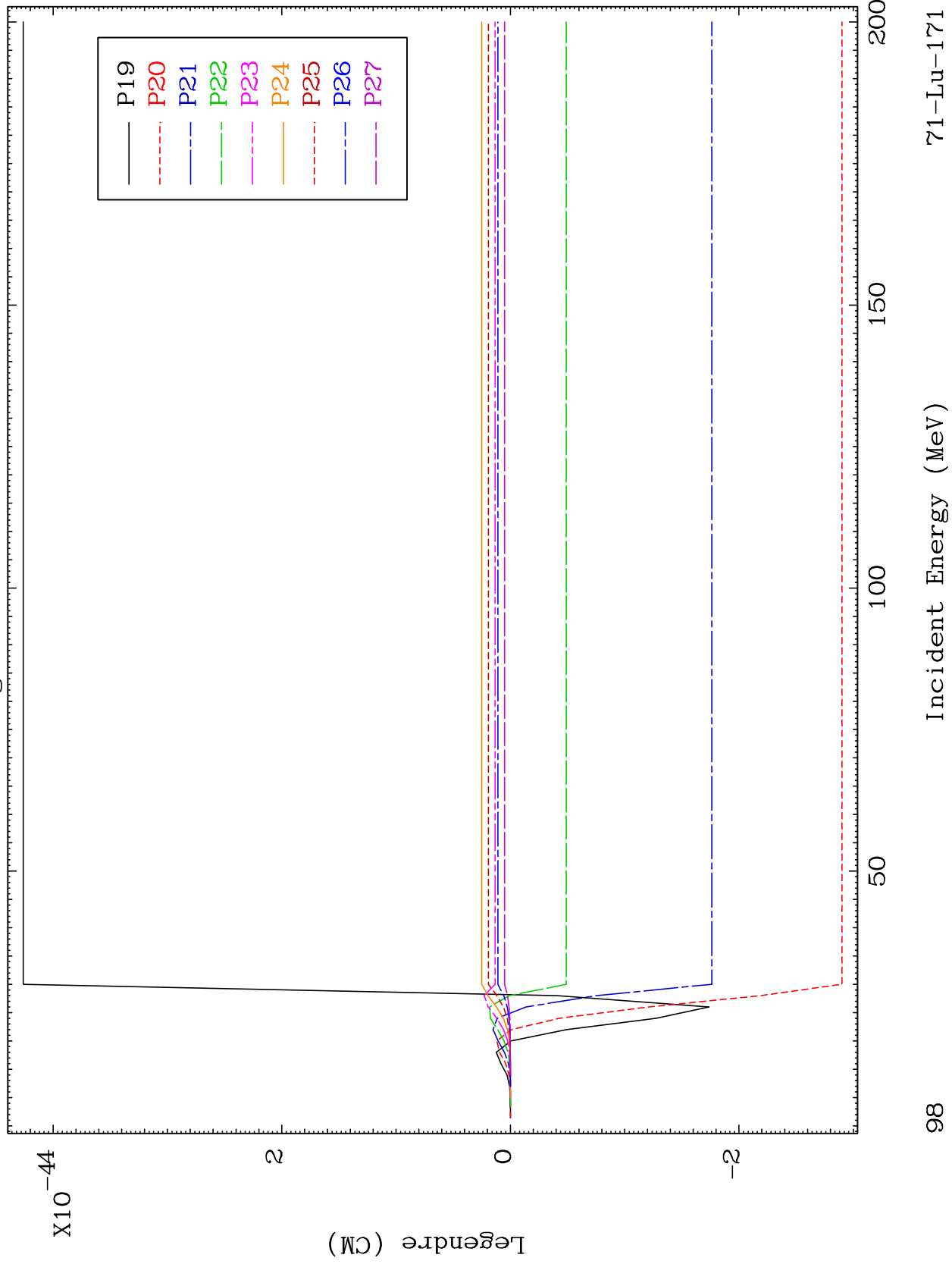
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



98

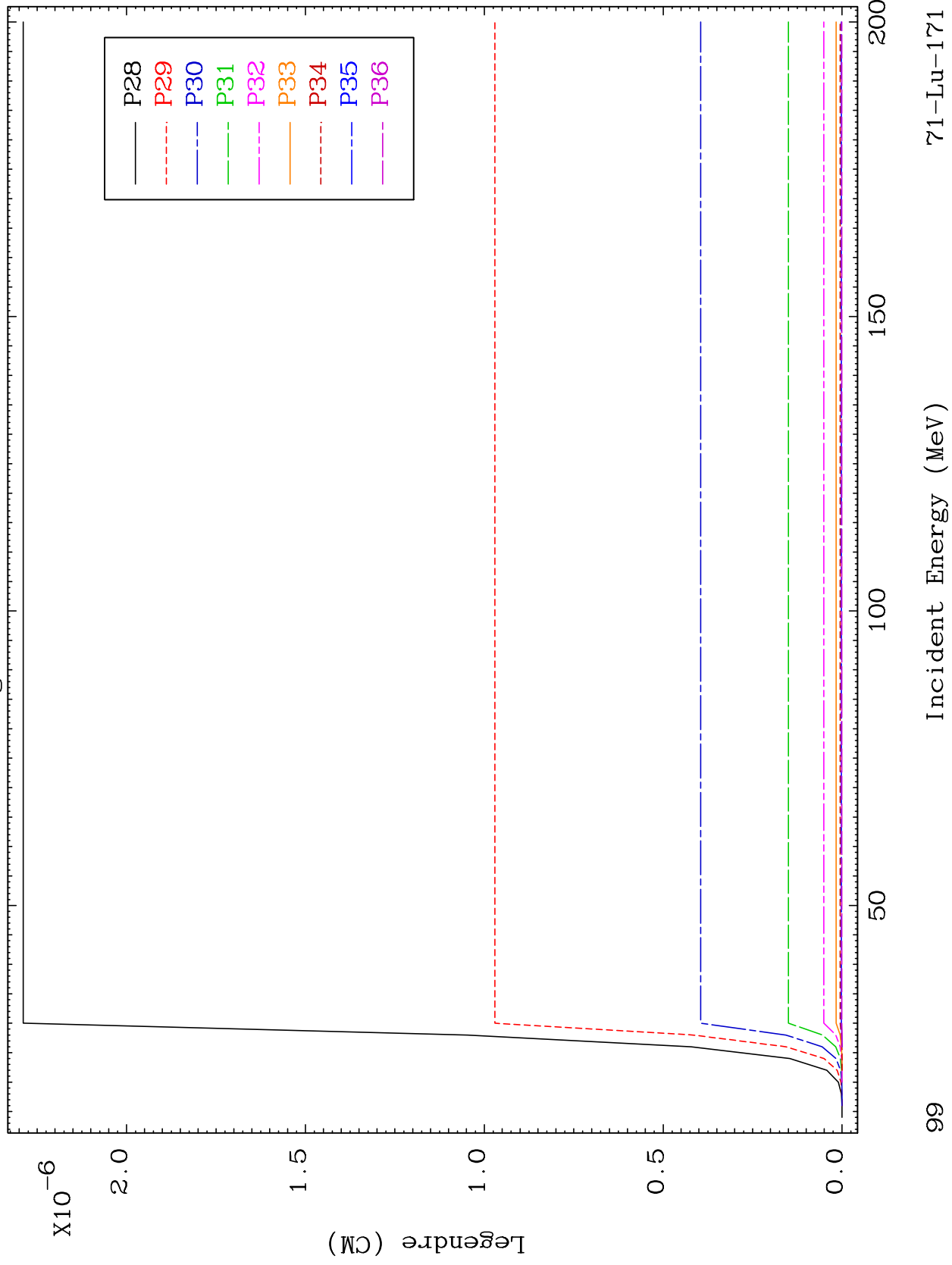
Incident Energy (MeV)

71-Lu-171

MAT 7113

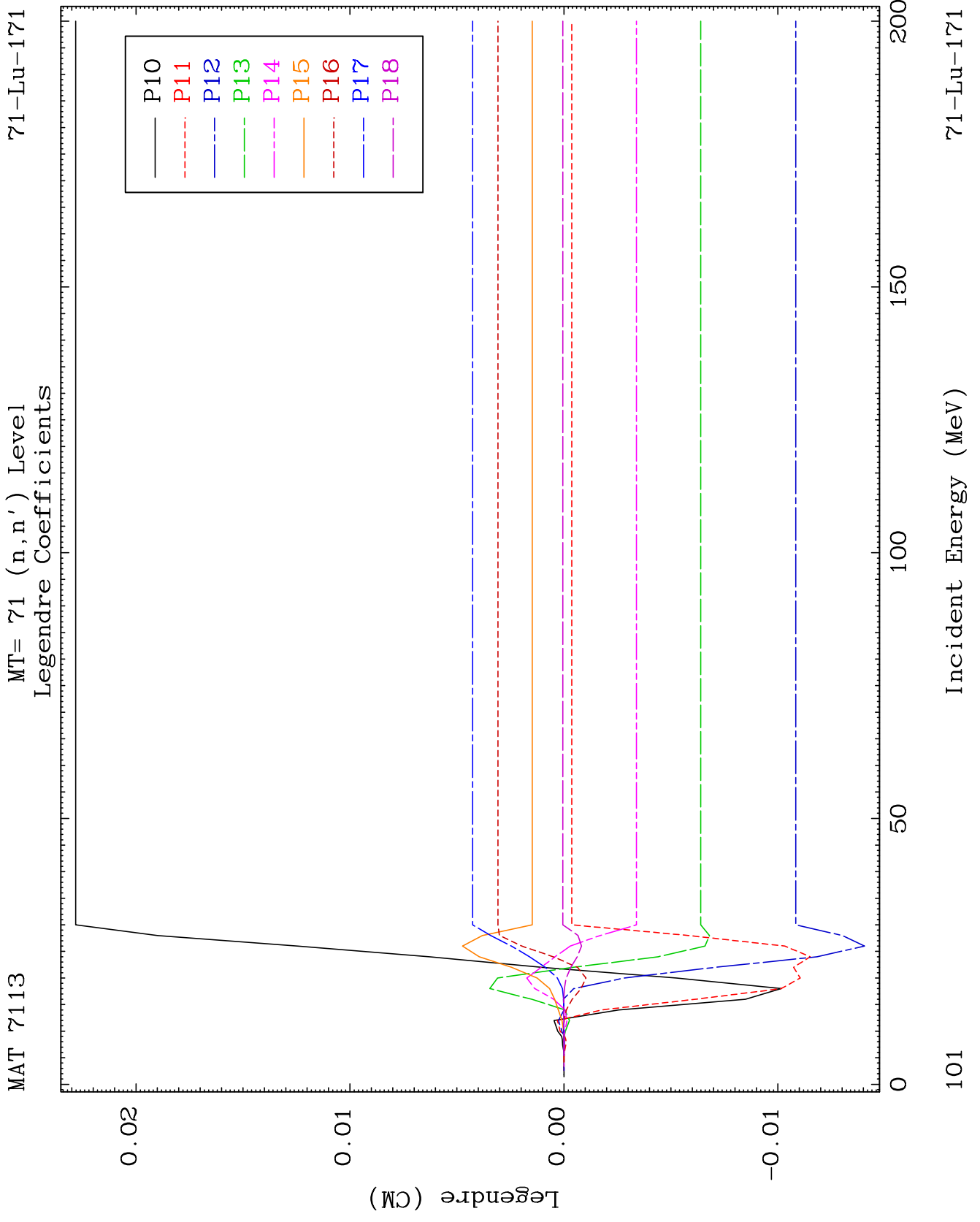
MT= 70 (n,n') Level  
Legendre Coefficients

71-Lu-171



99

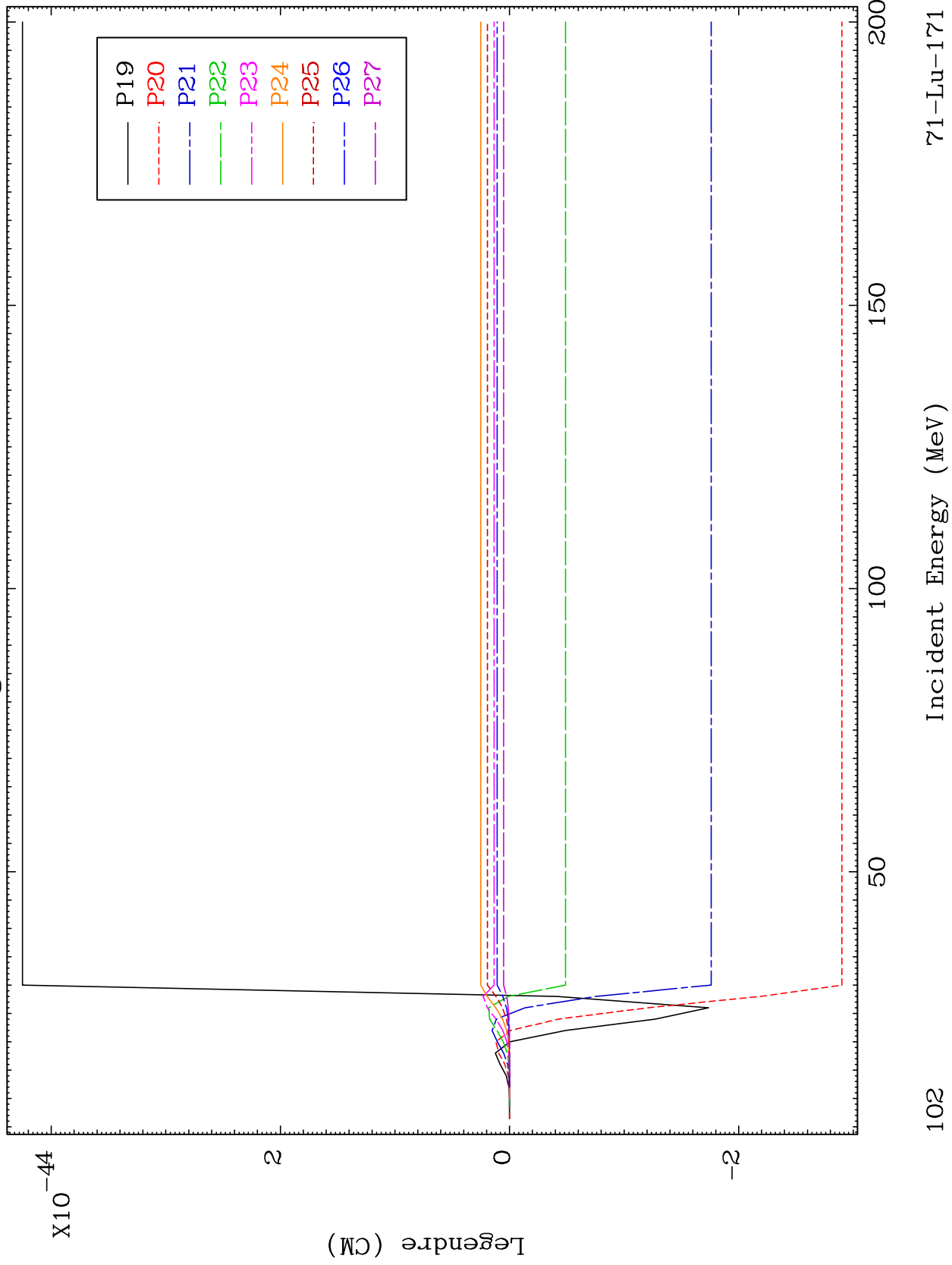


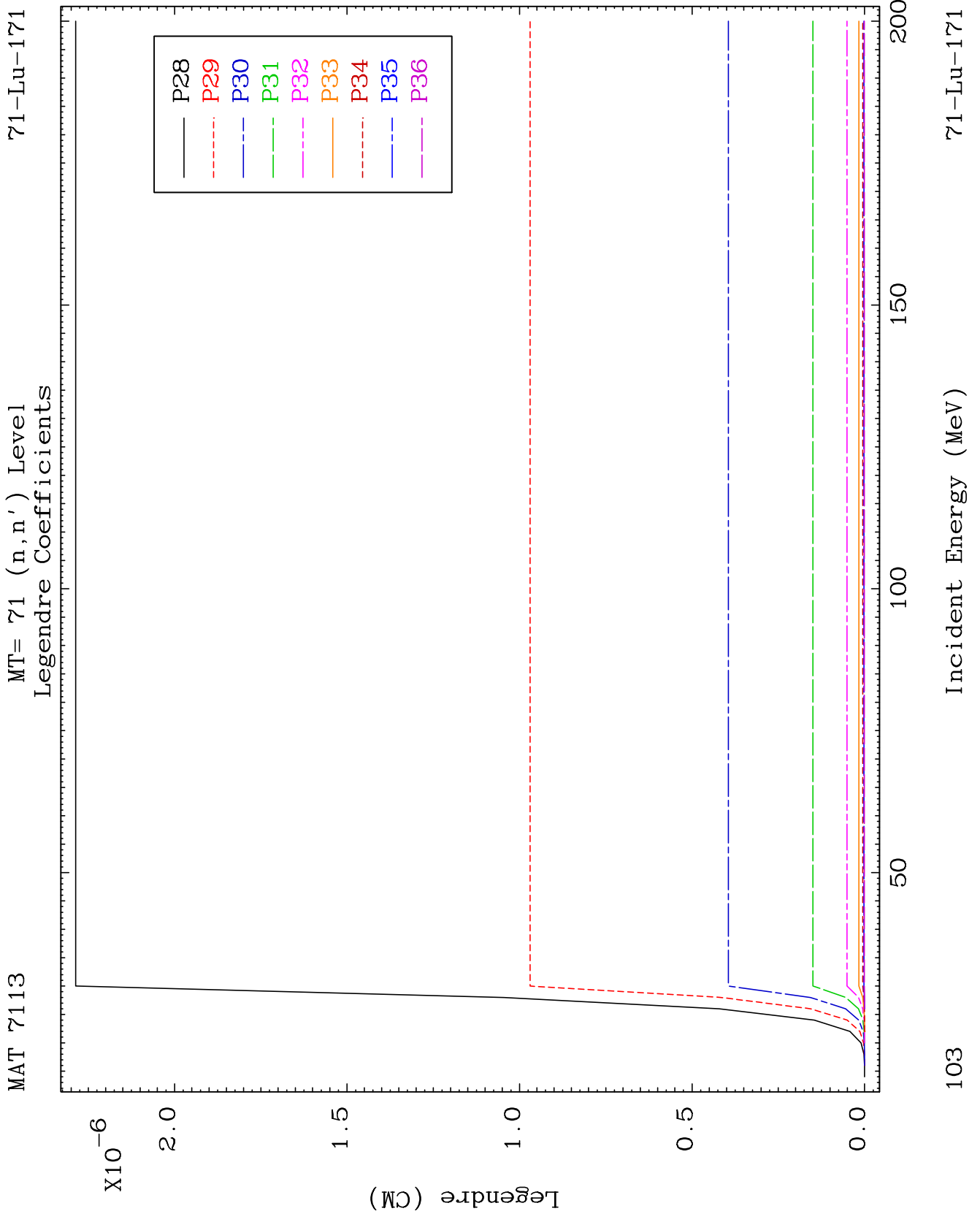


MAT 7113

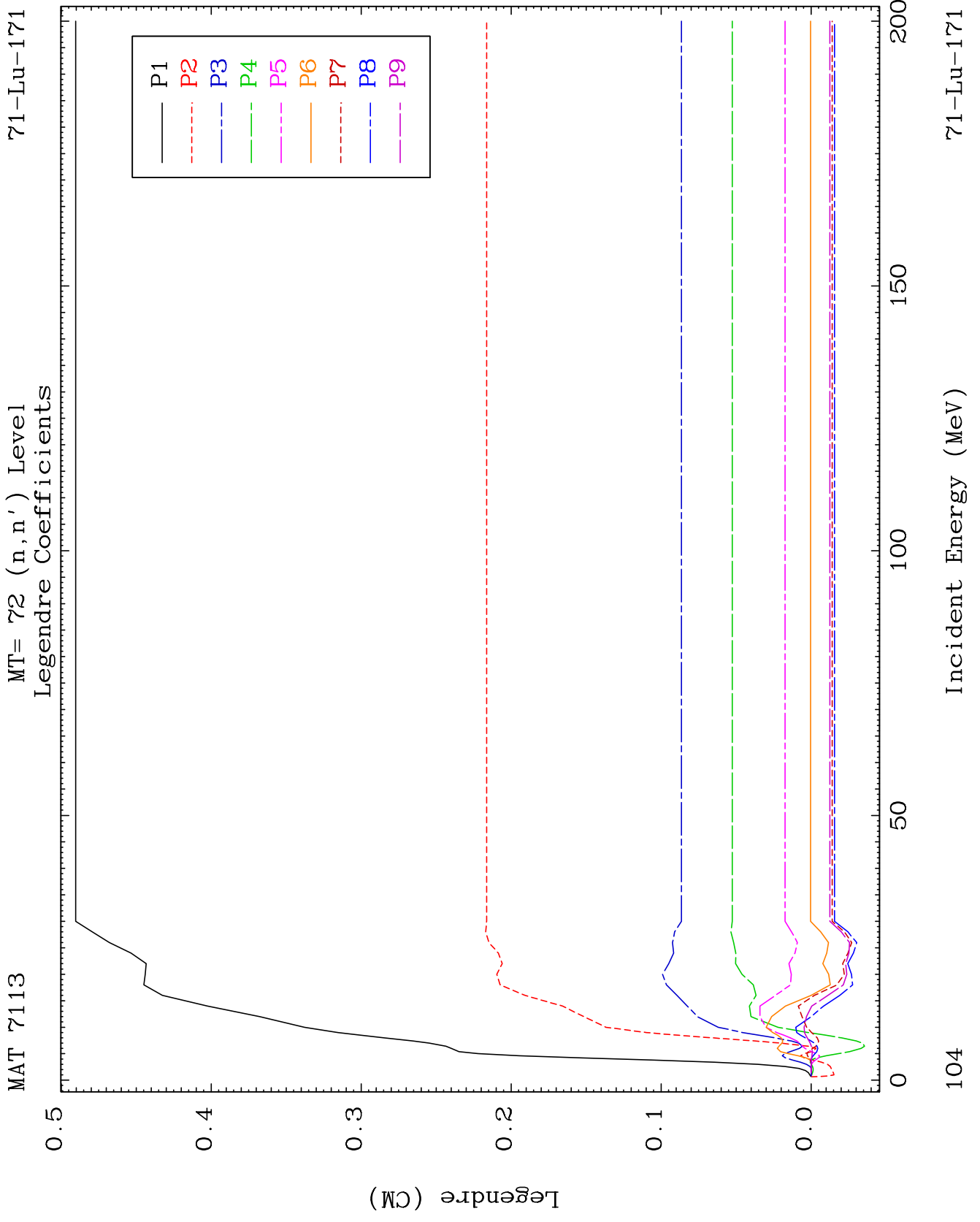
MT= 71 (n,n') Level  
Legendre Coefficients

71-Lu-171





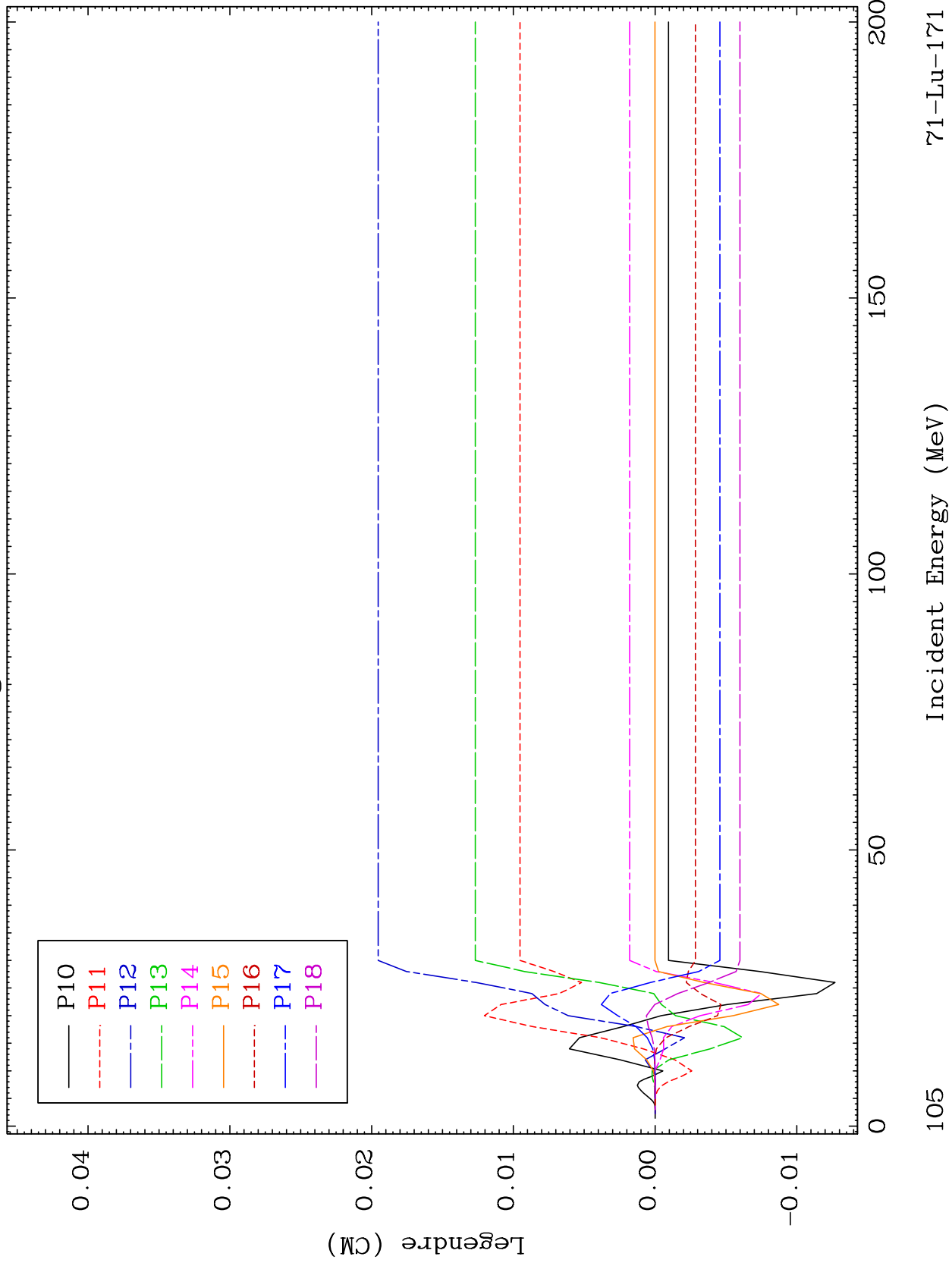




MAT 7113

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

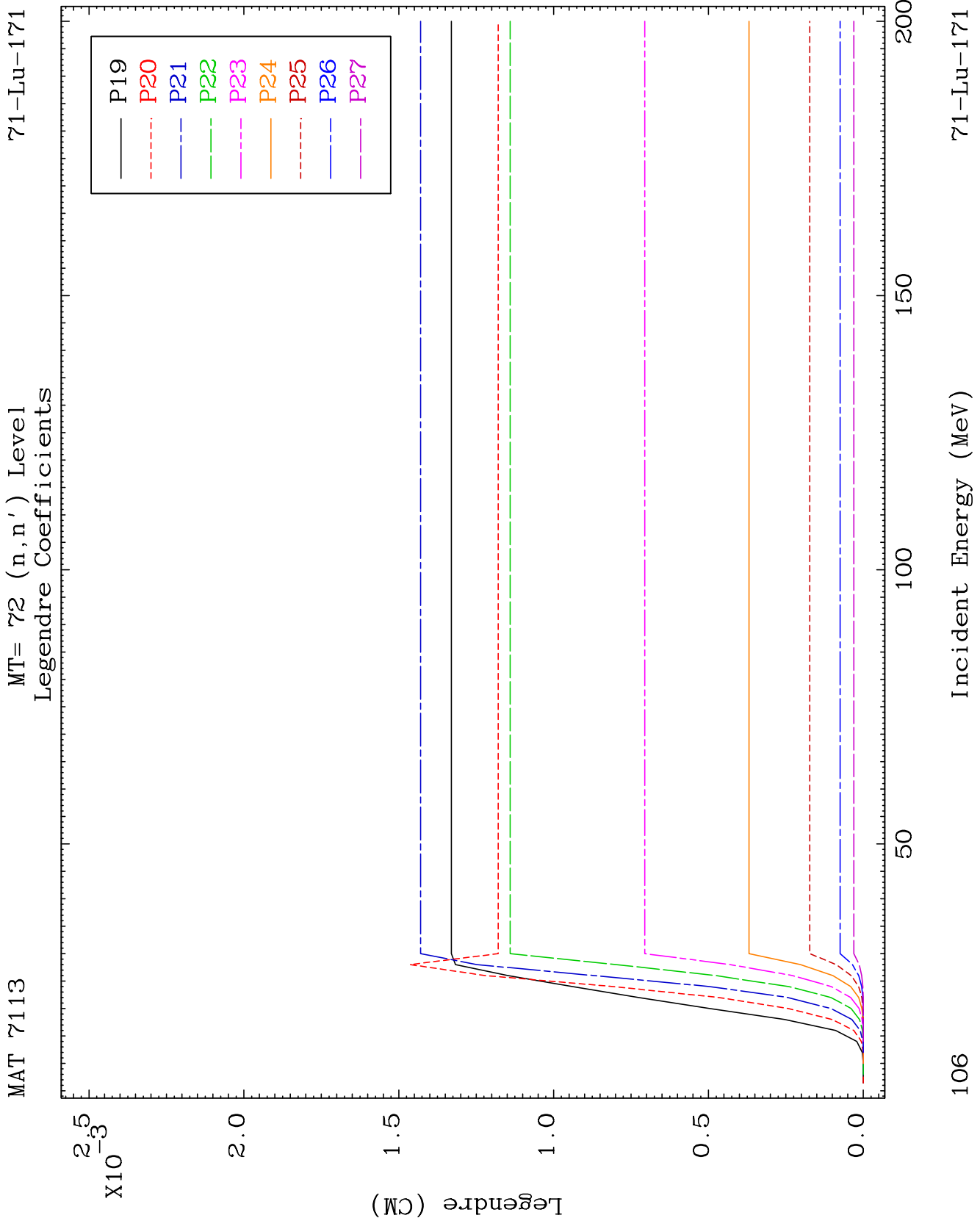
71-Lu-171

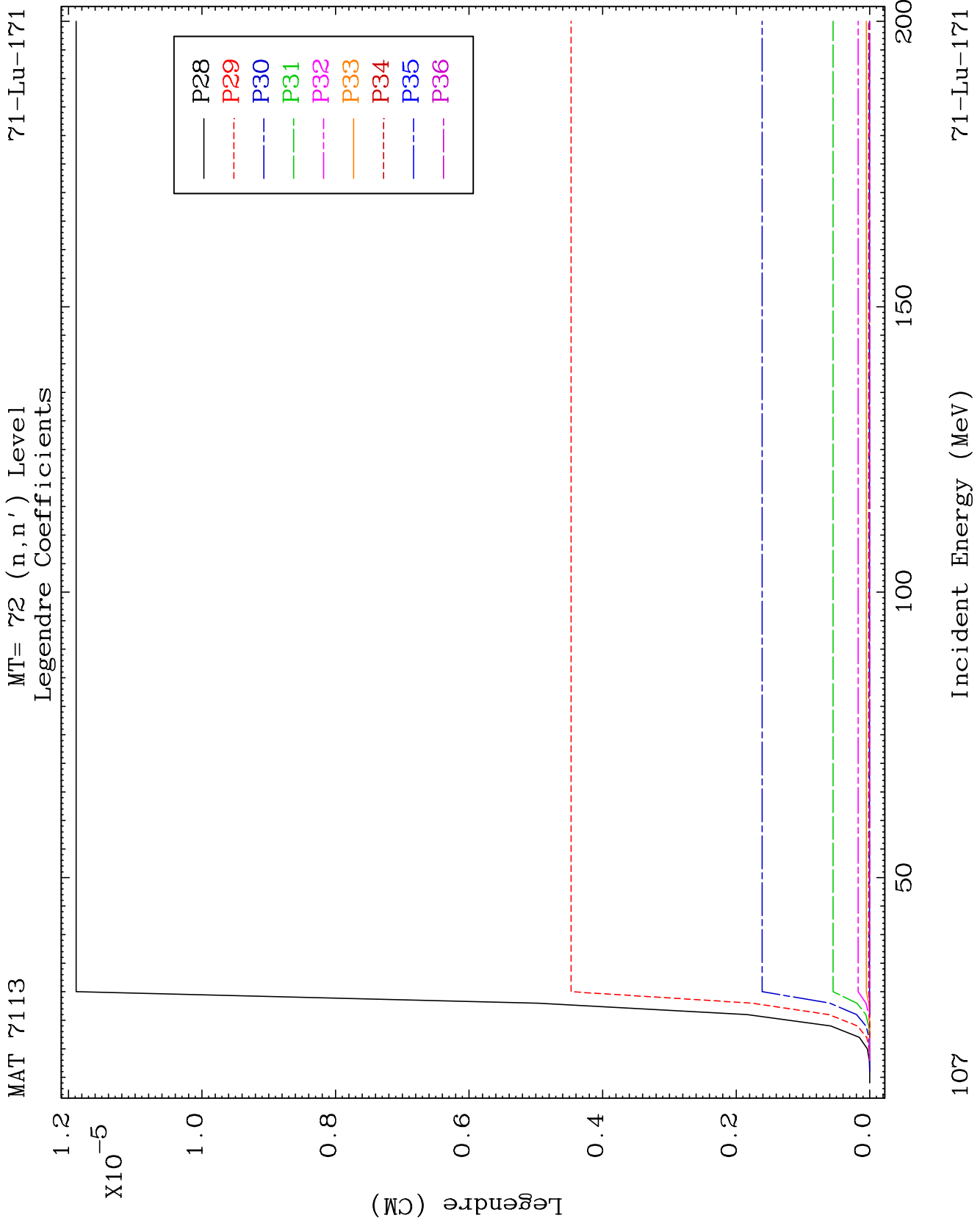


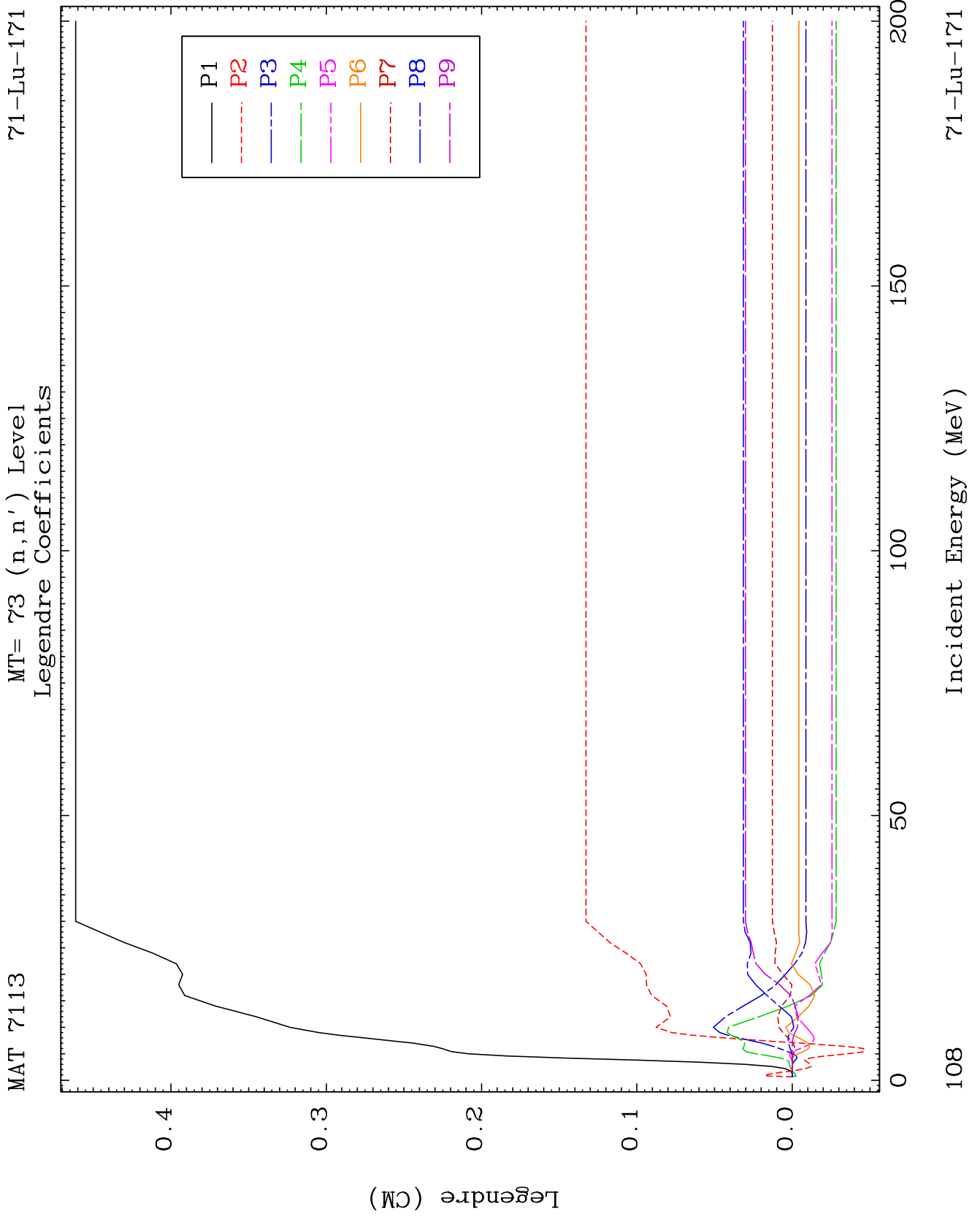
71-Lu-171

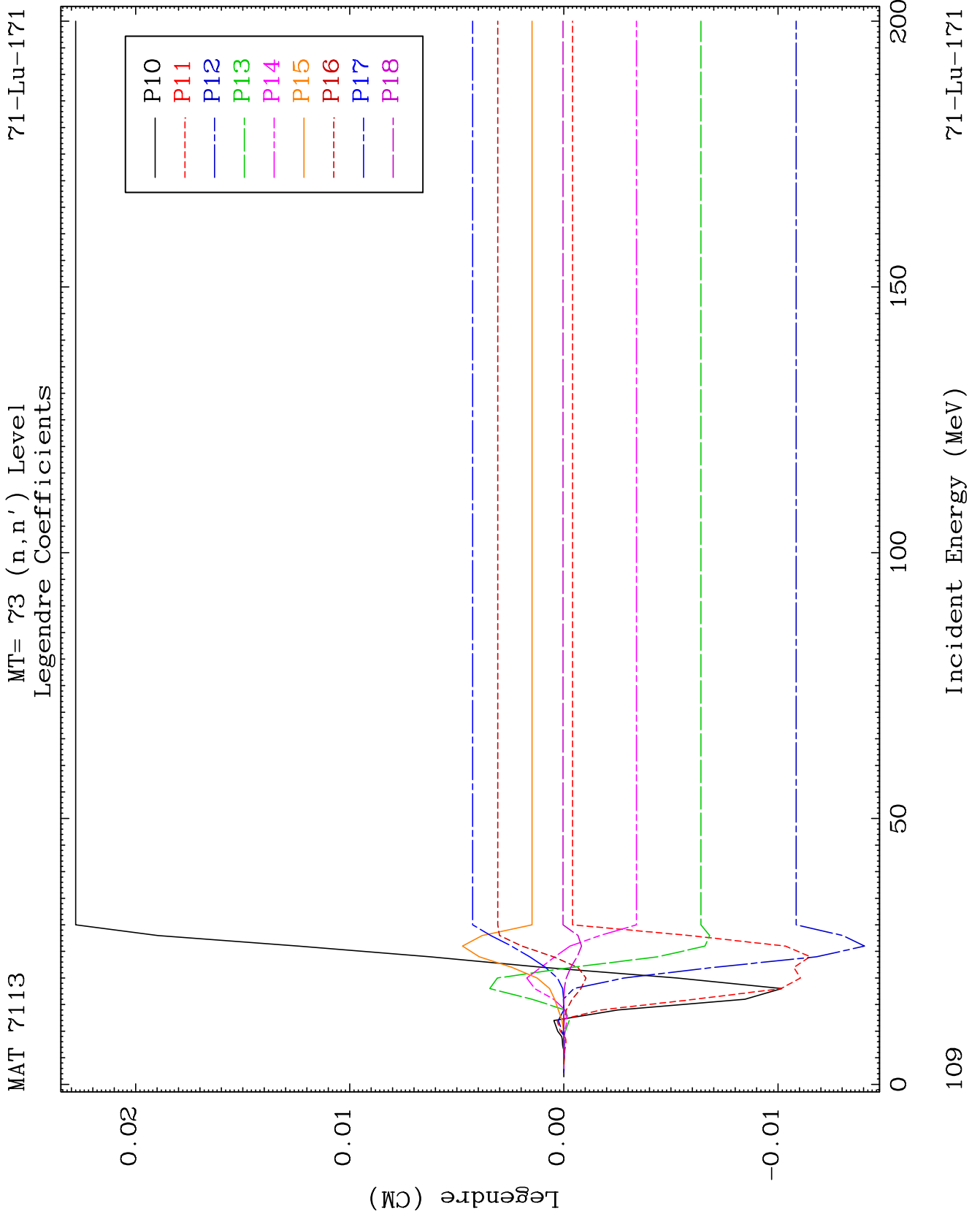
Incident Energy (MeV)

105





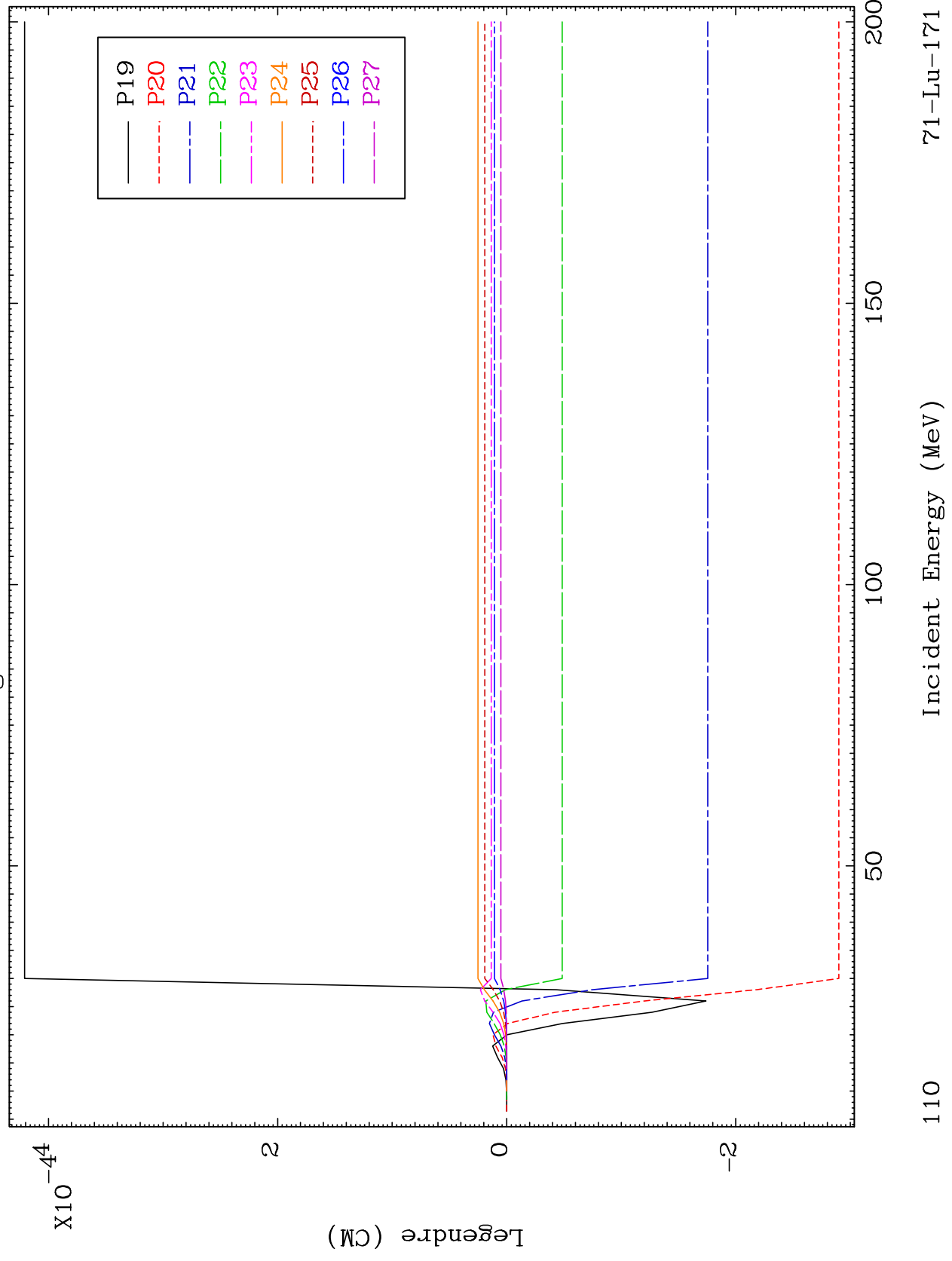




MAT 7113

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

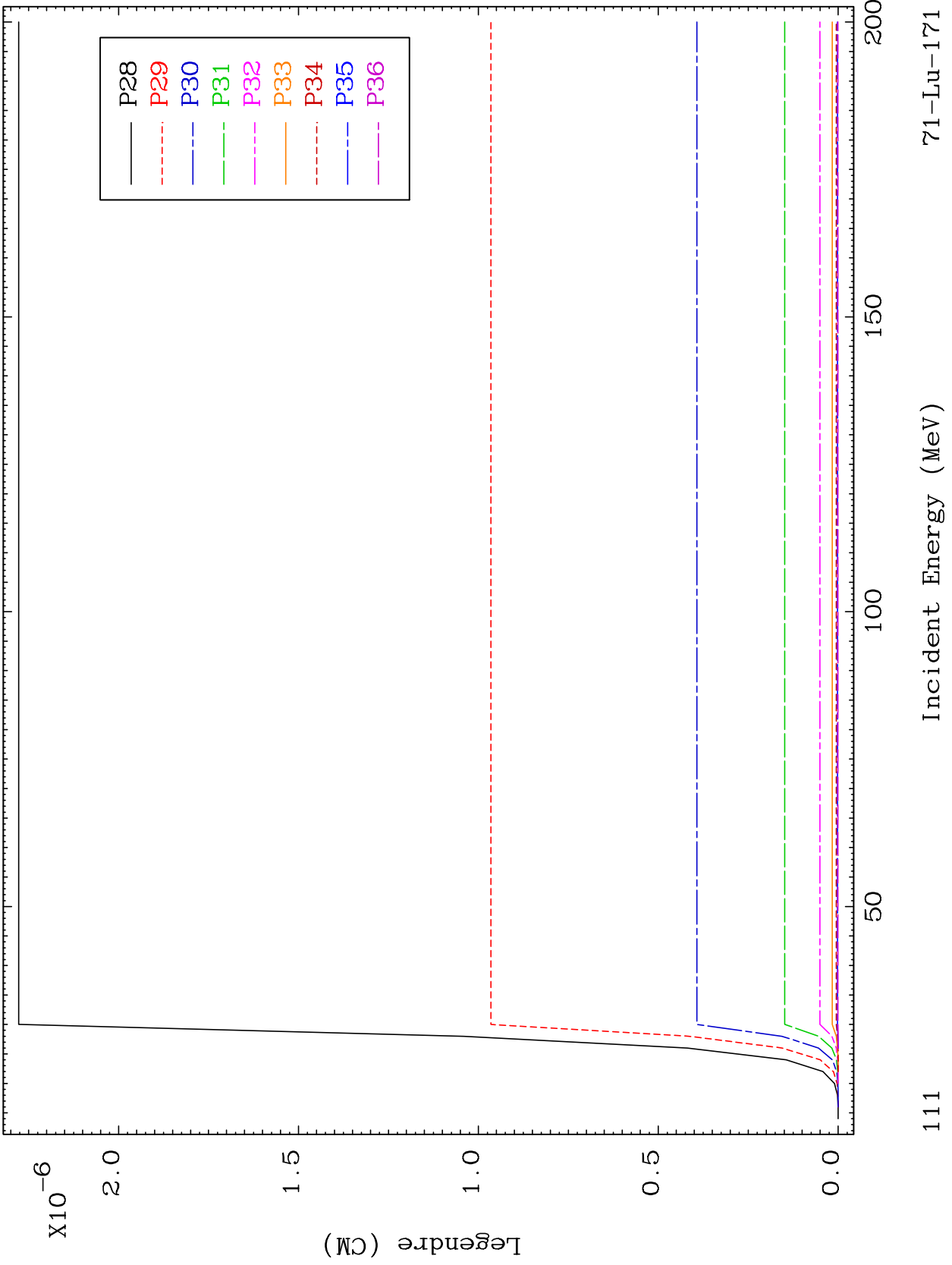
71-Lu-171



MAT 7113

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

71-Lu-171



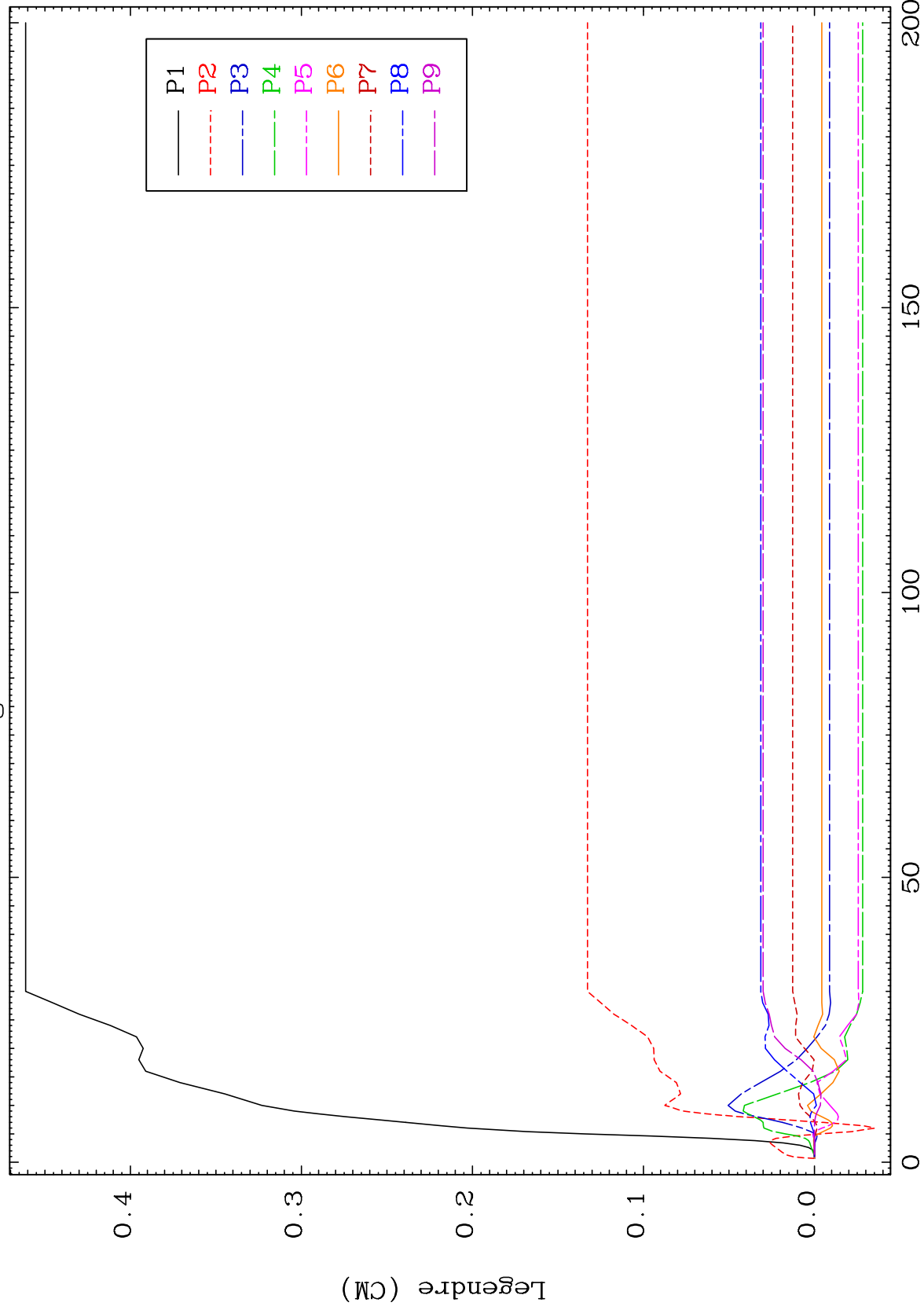
111



MAT 7113

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

71-Lu-171



71-Lu-171

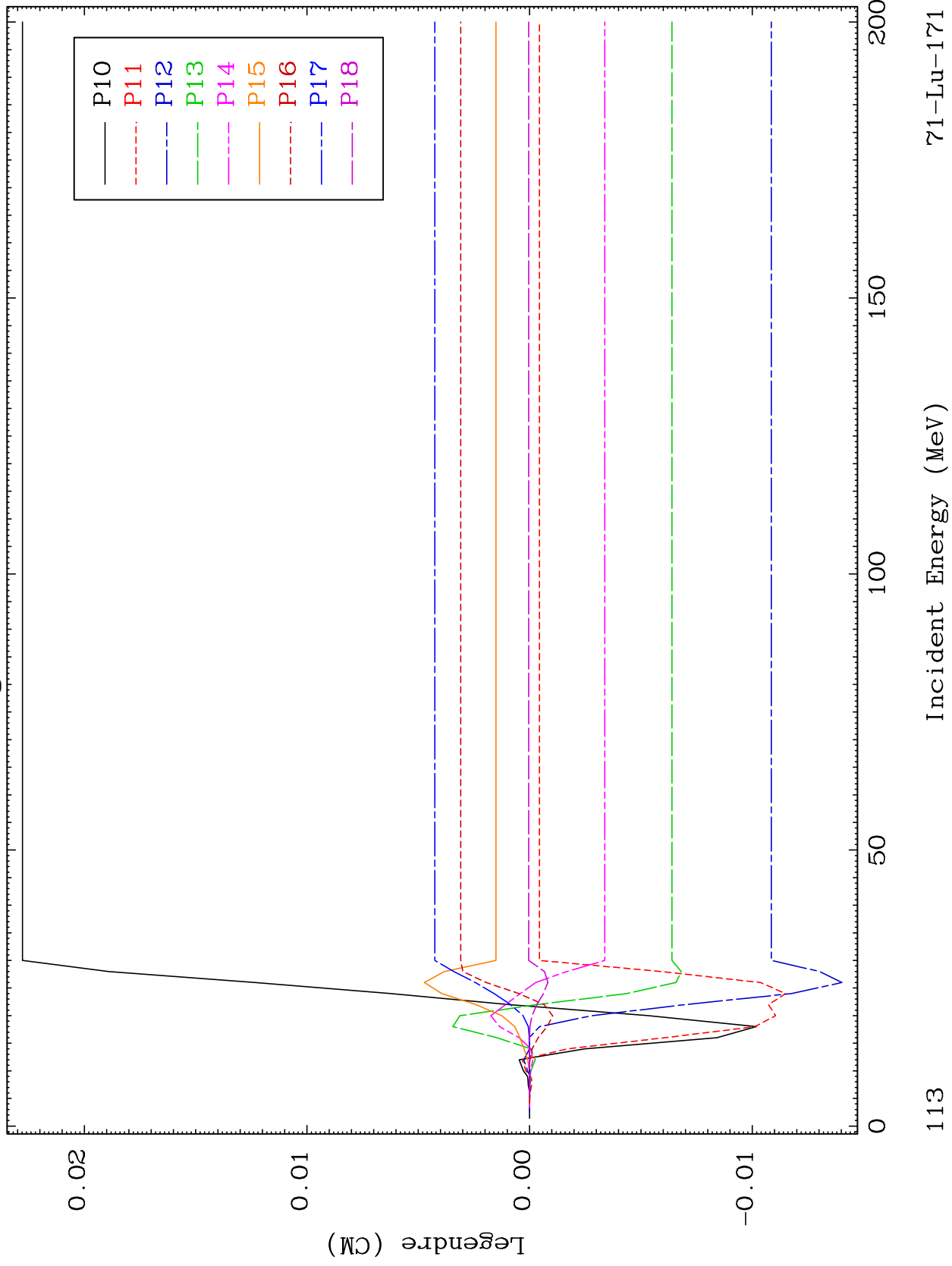
Incident Energy (MeV)

112

MAT 7113

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

71-Lu-171



113

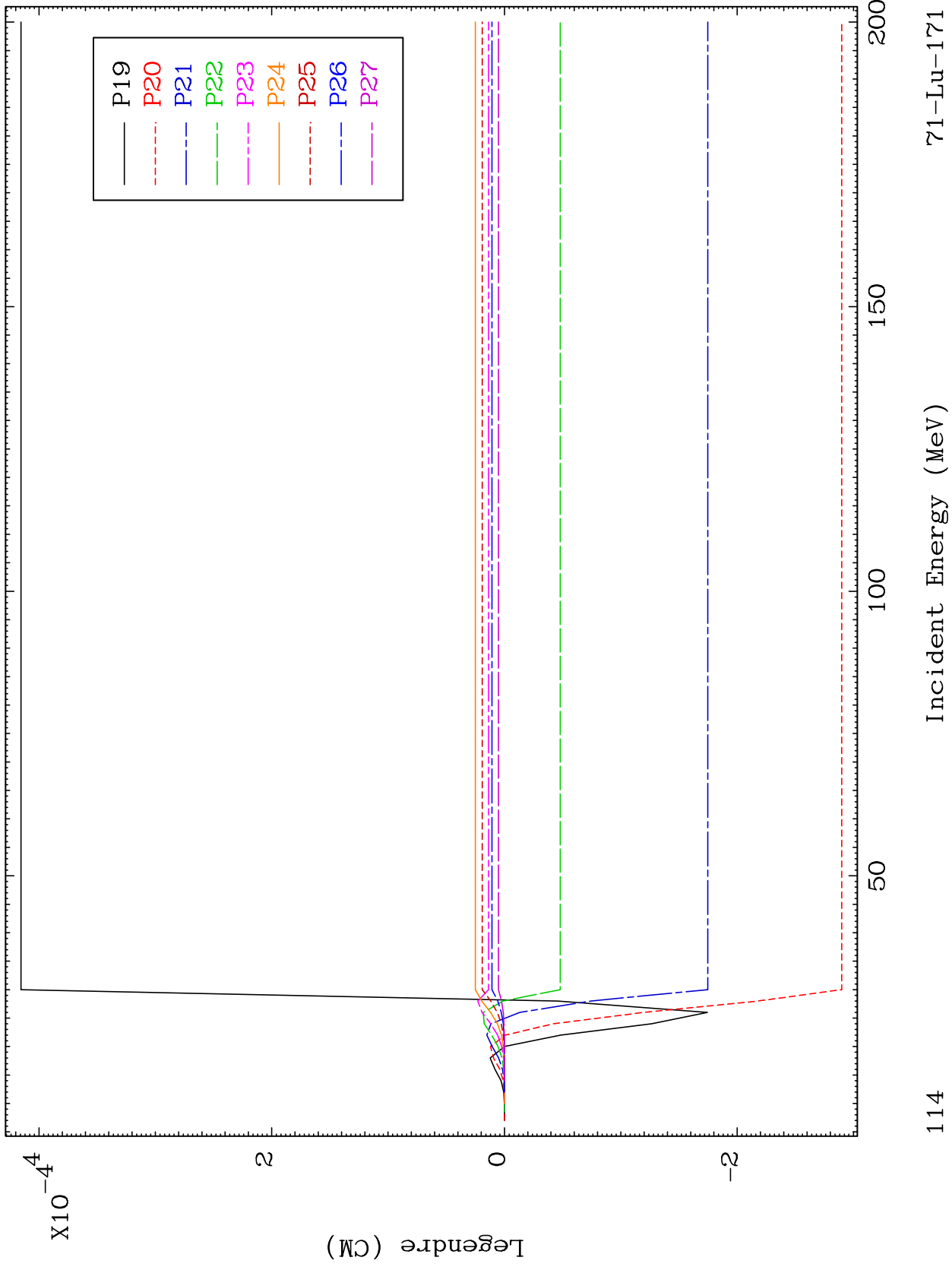
Incident Energy (MeV)

71-Lu-171

MAT 7113

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

71-Lu-171



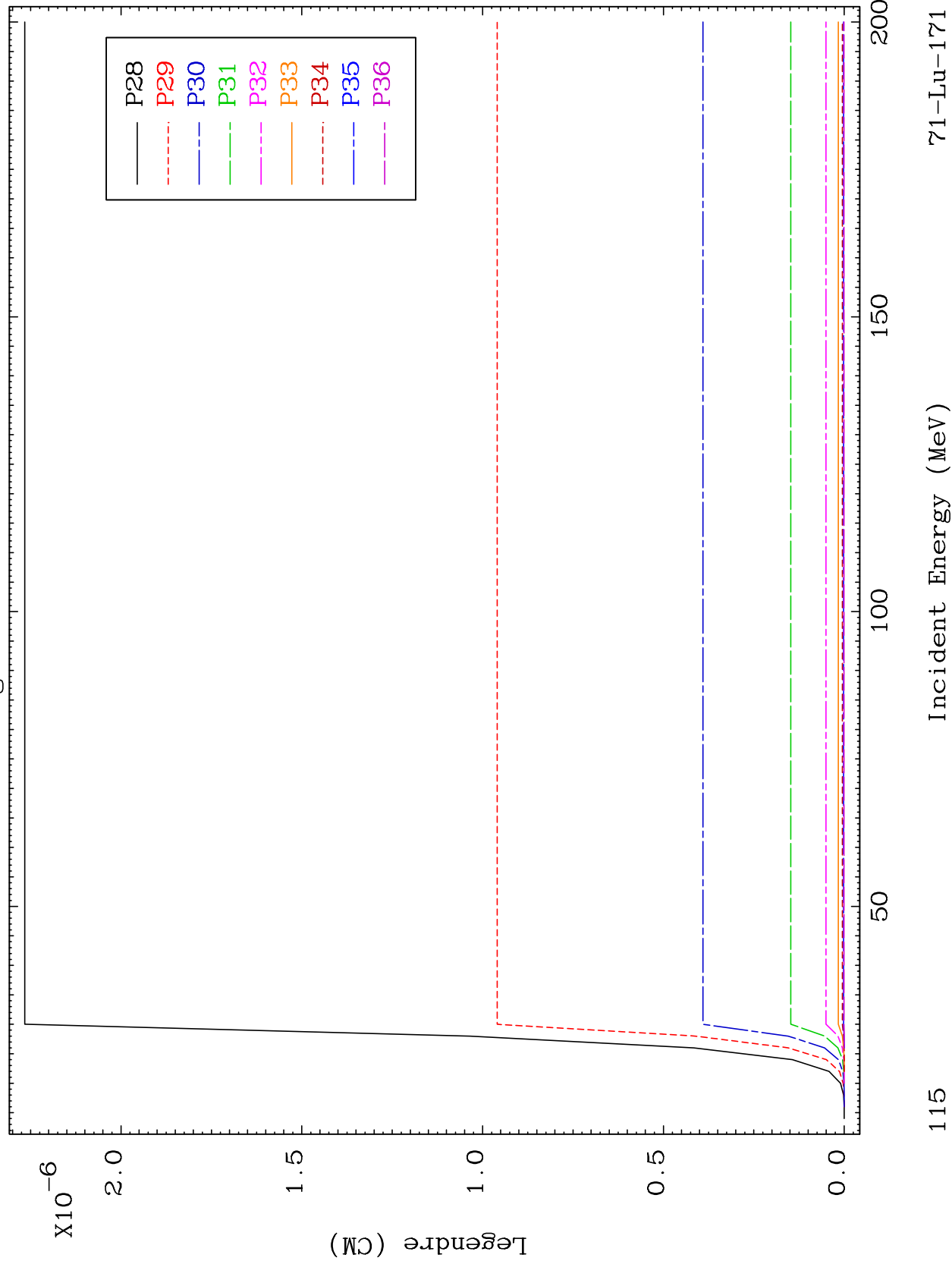
114

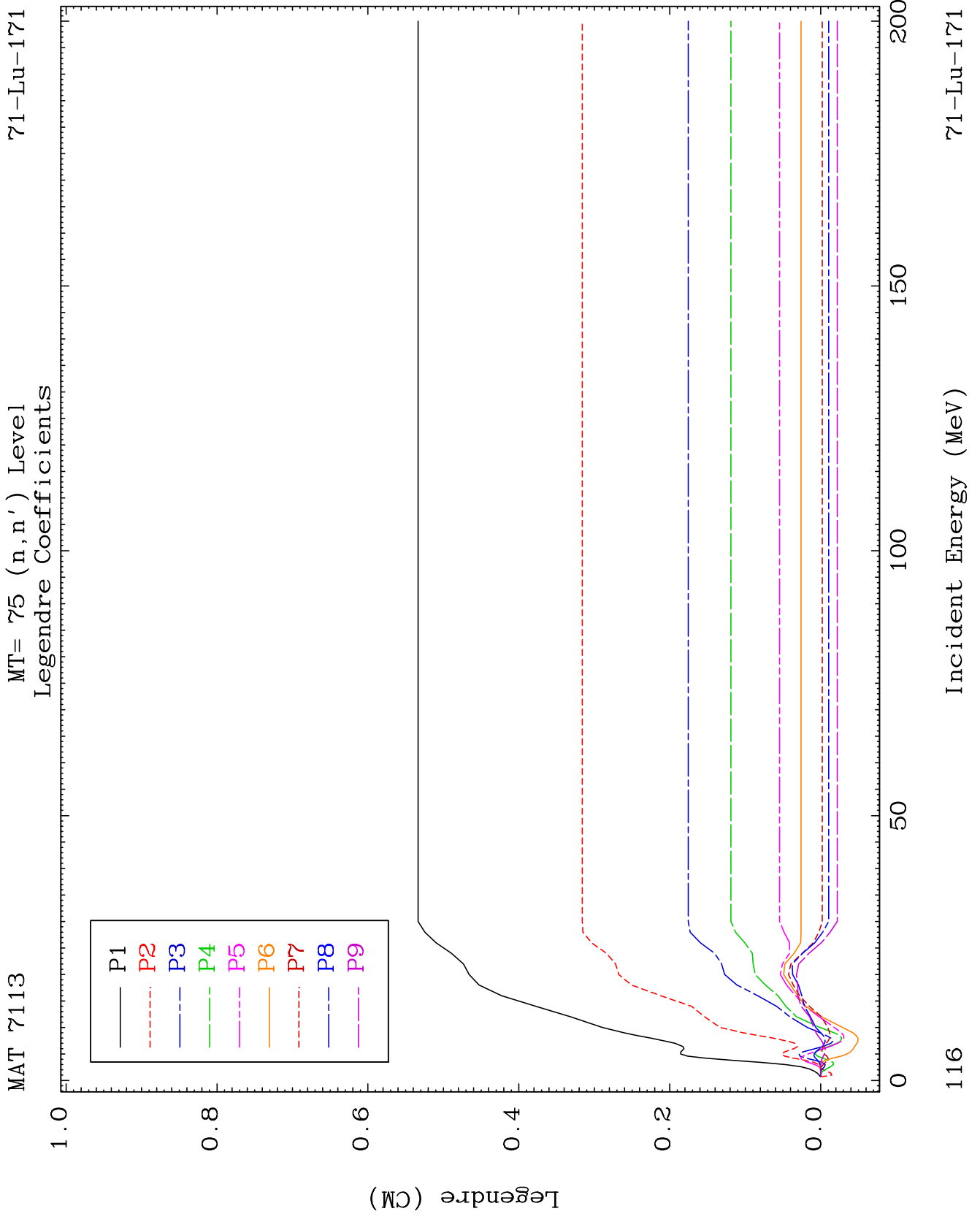
71-Lu-171

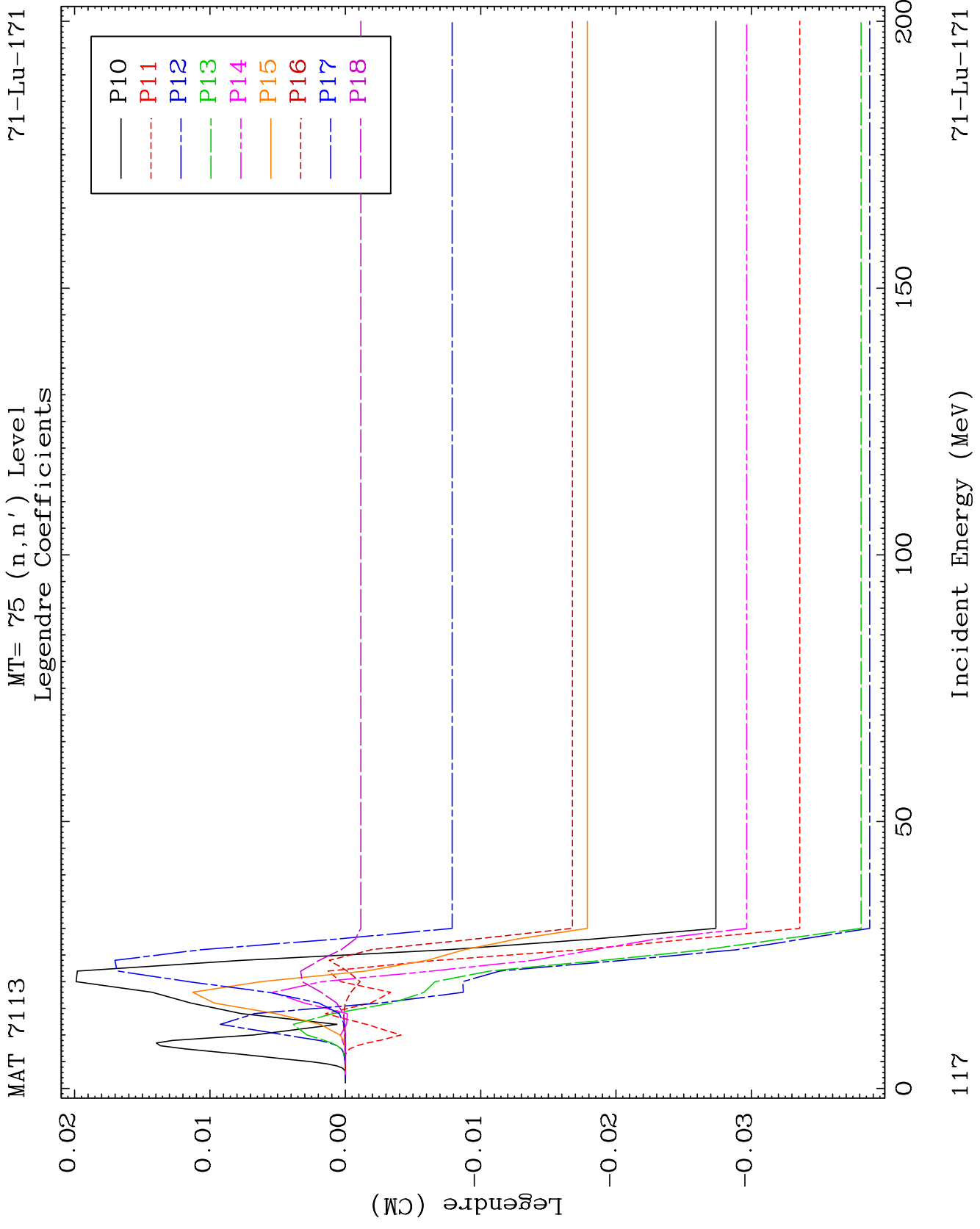
MAT 7113

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

71-Lu-171



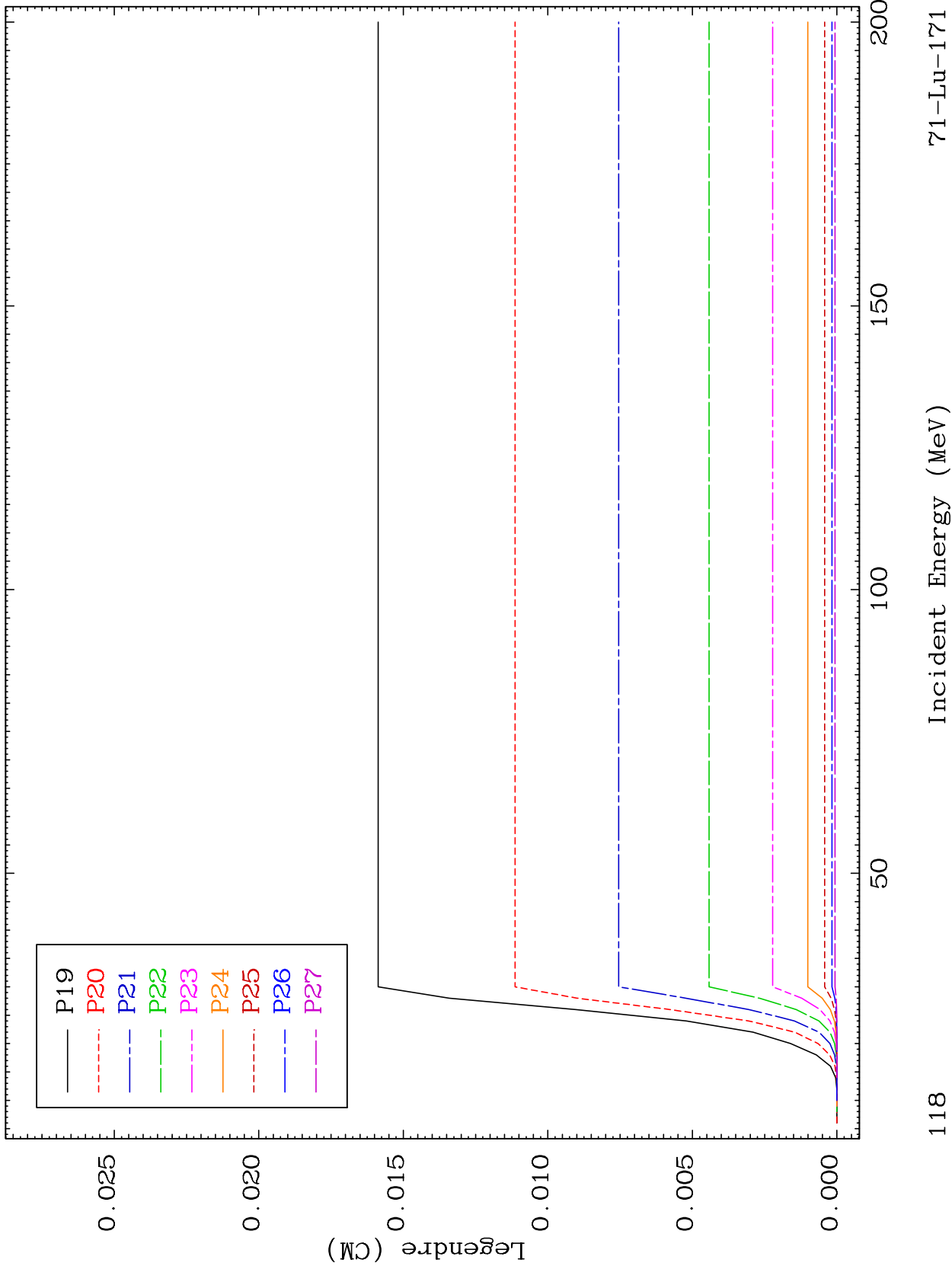




MAT 7113

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

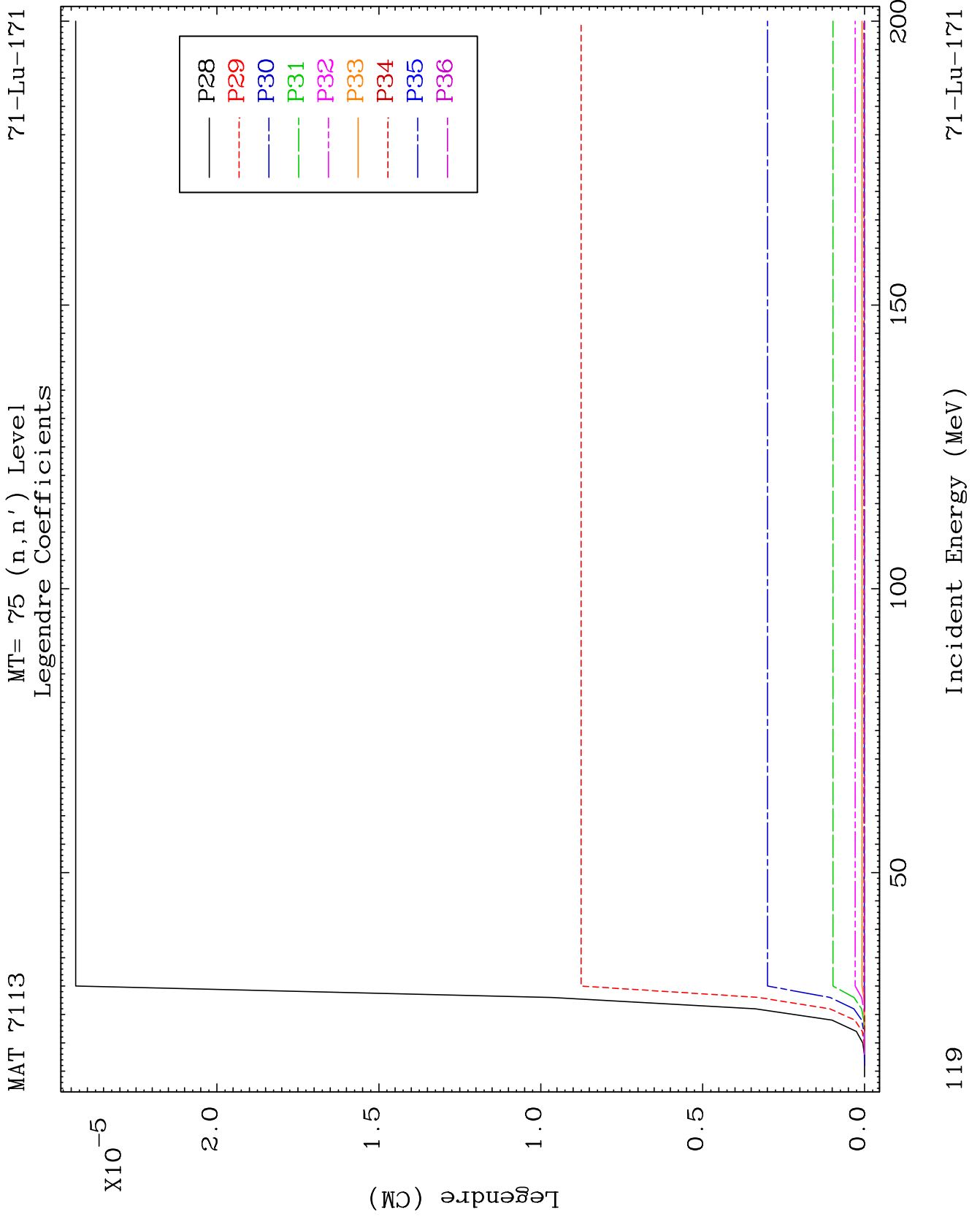
71-Lu-171



118

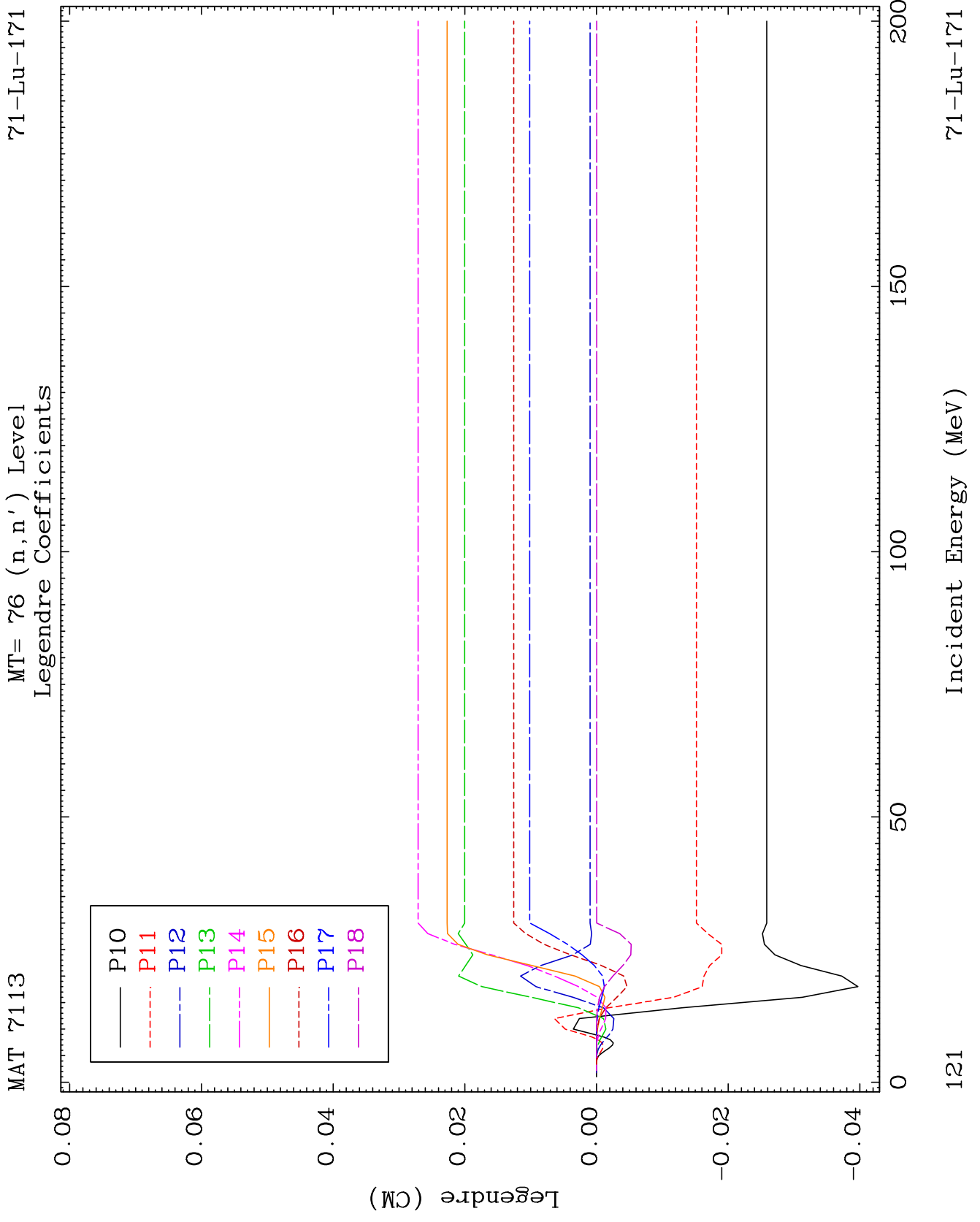
Incident Energy (MeV)

71-Lu-171





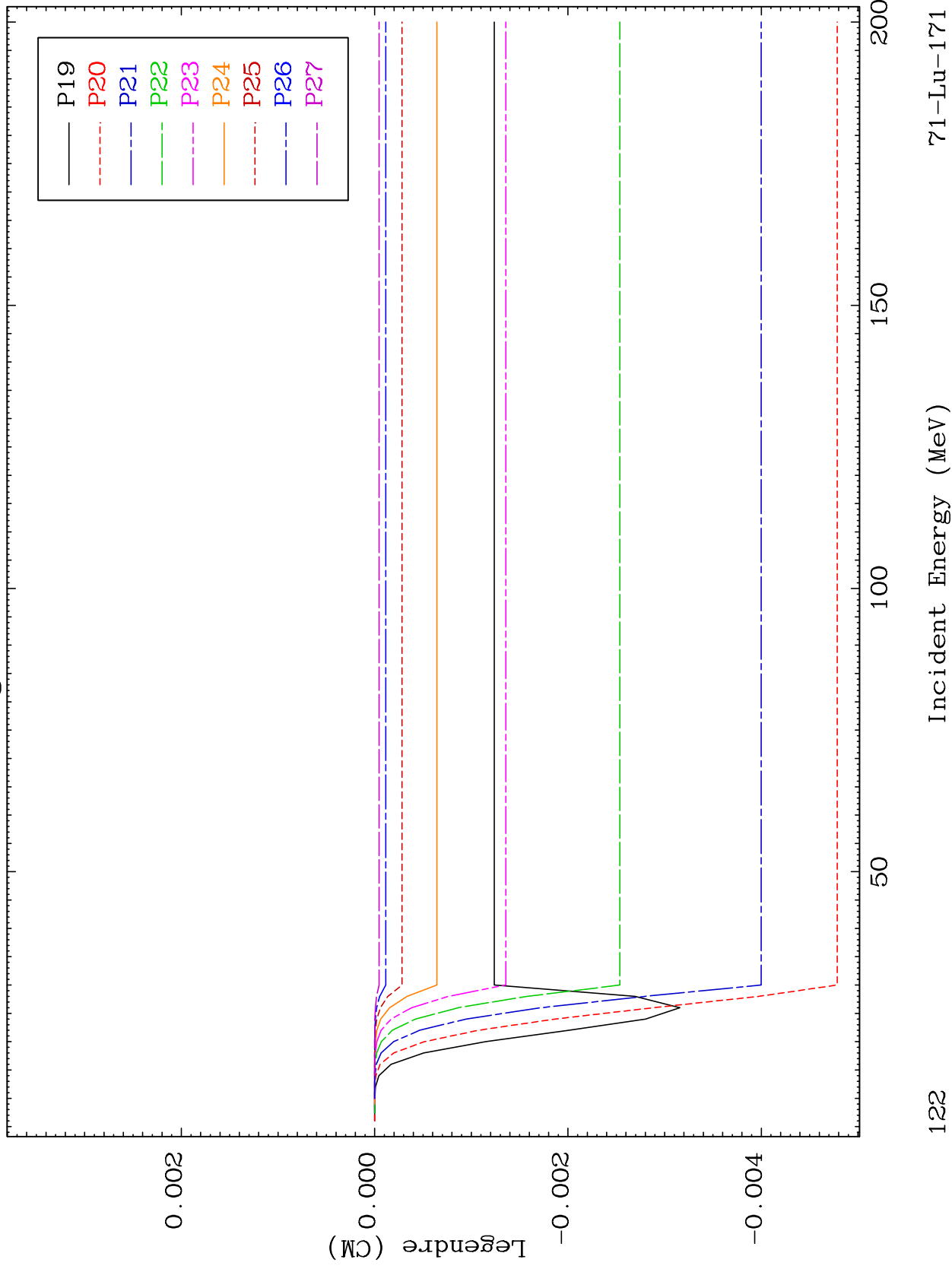




MAT 7113

MT= 76 (n,n') Level  
Legendre Coefficients

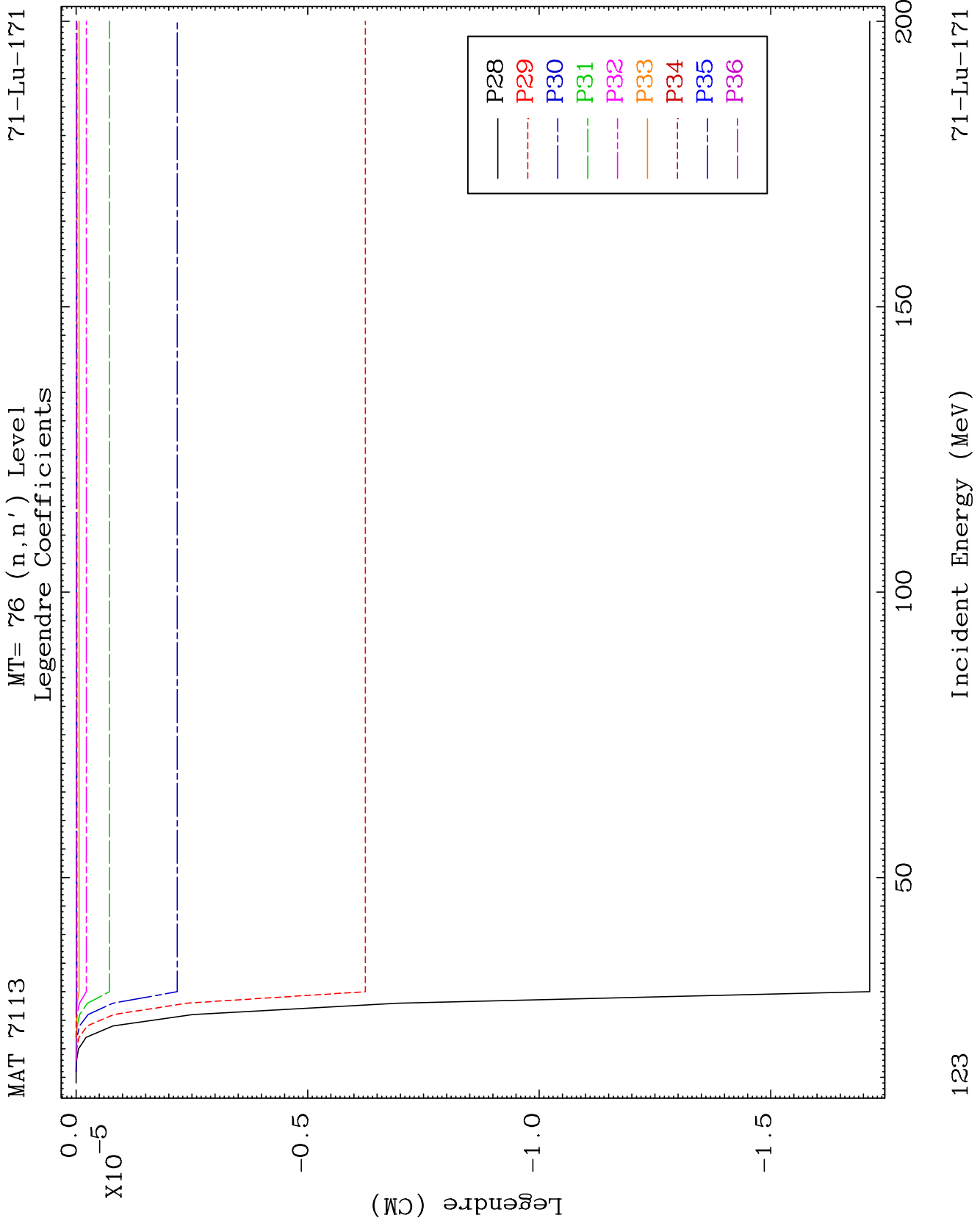
71-Lu-171

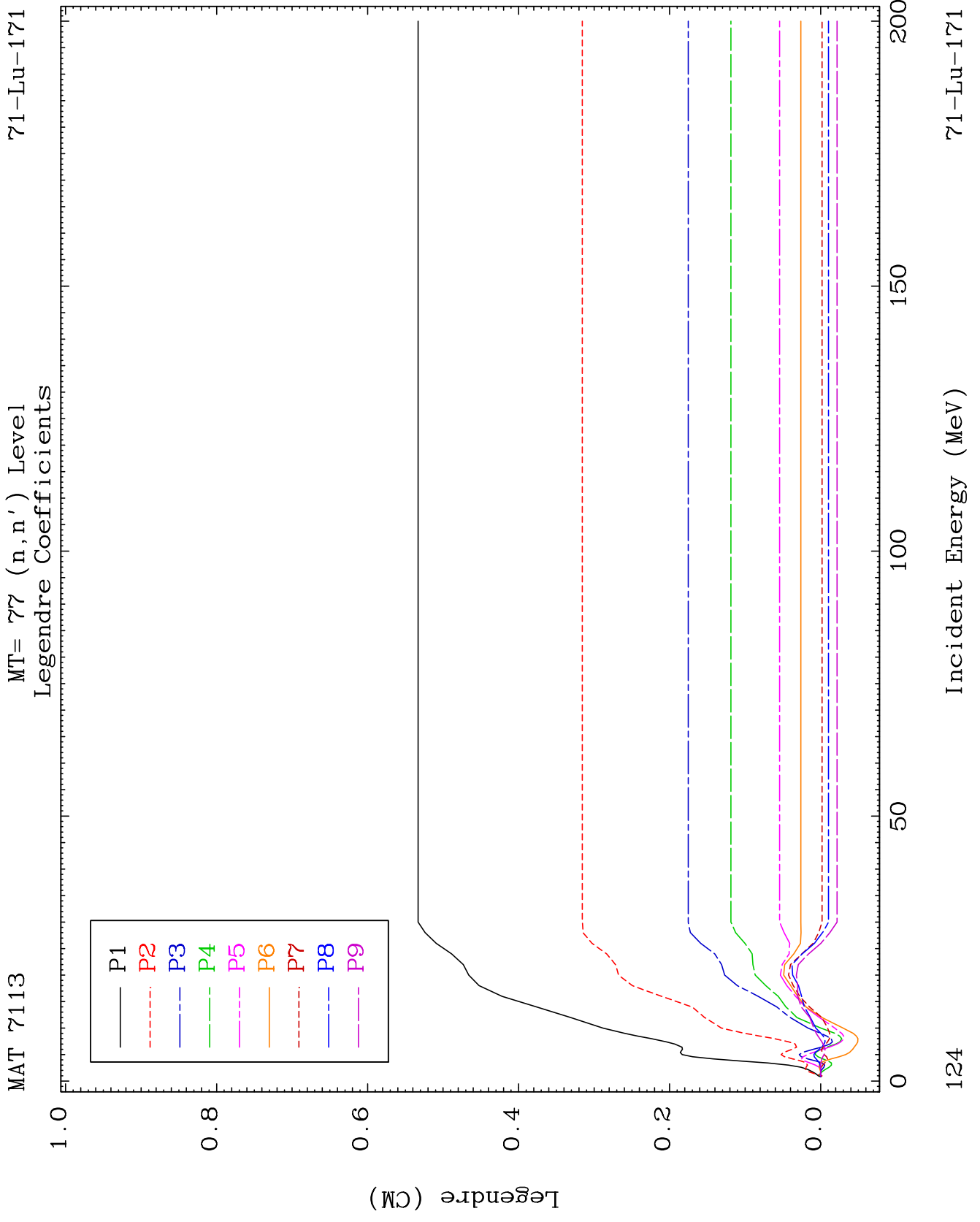


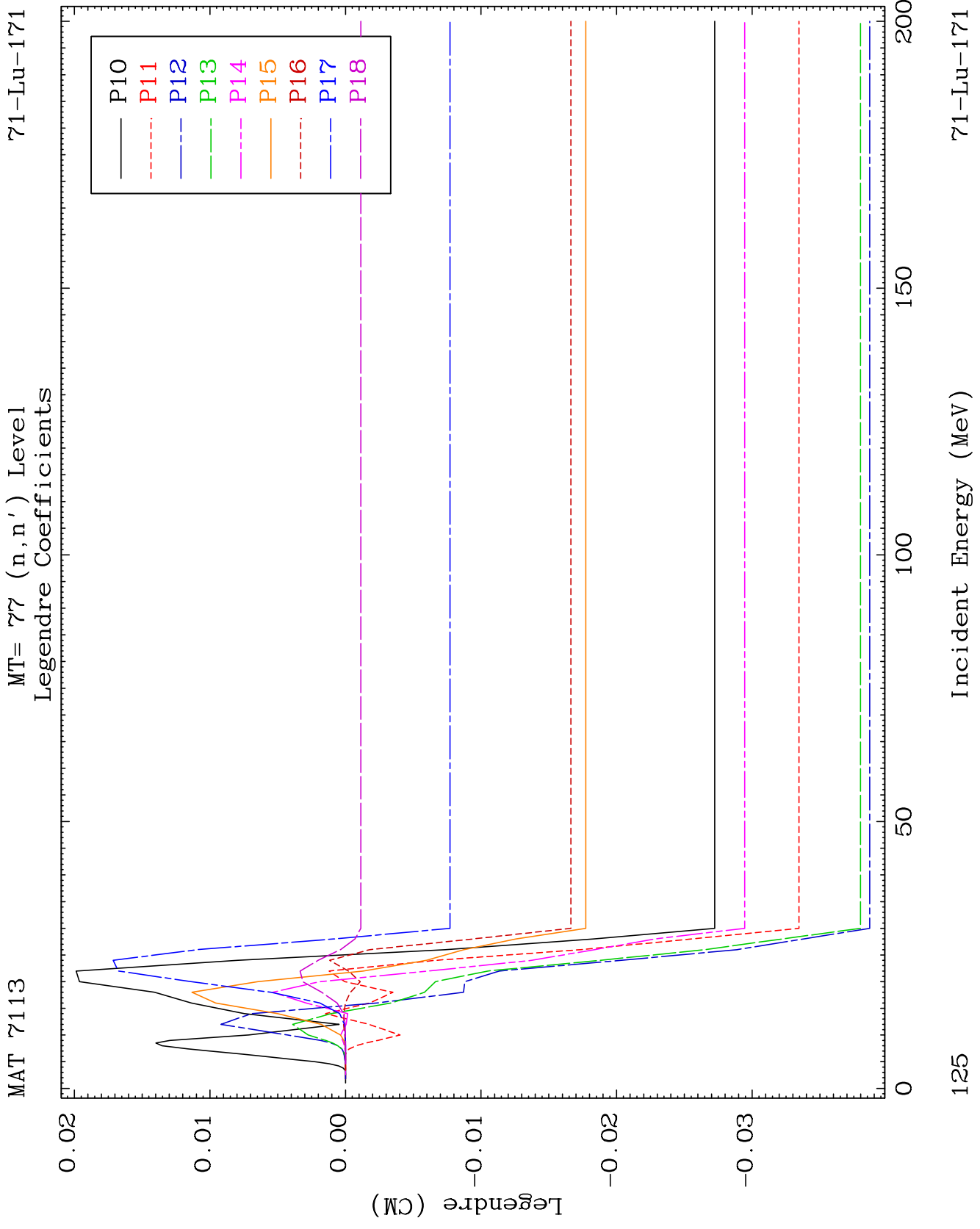
122

Incident Energy (MeV)

71-Lu-171



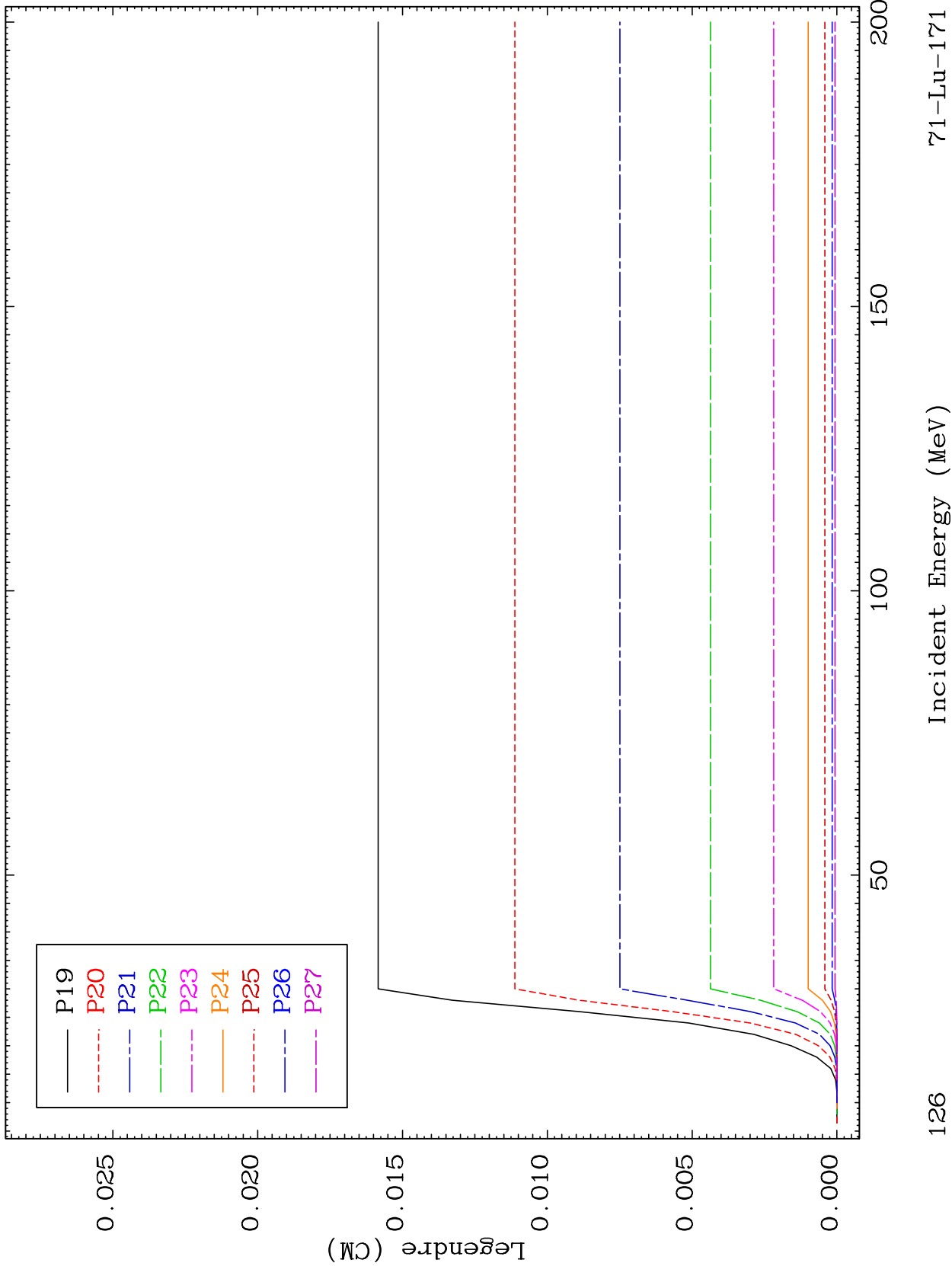




MAT 7113

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

71-Lu-171



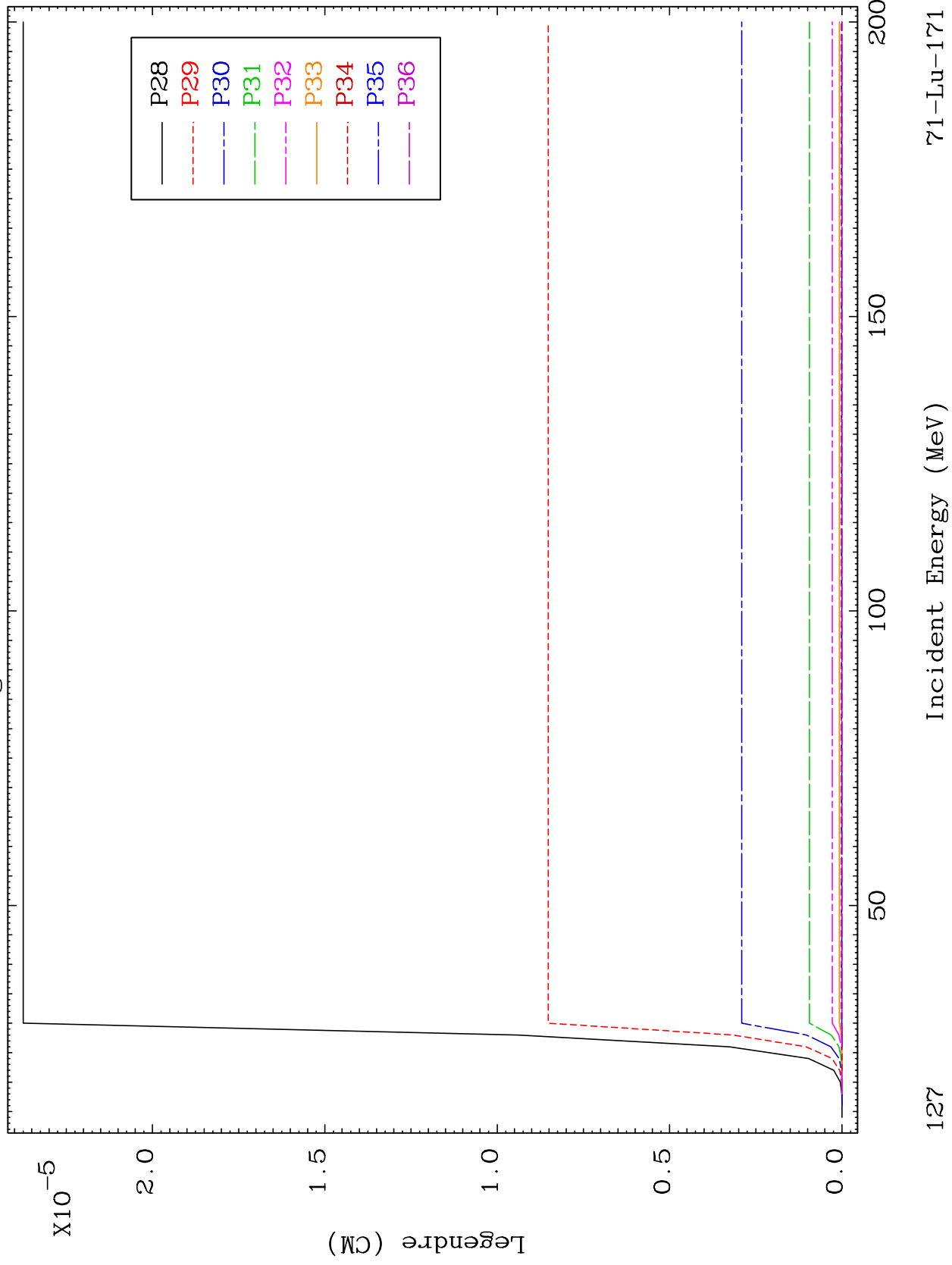
126

71-Lu-171

MAT 7113

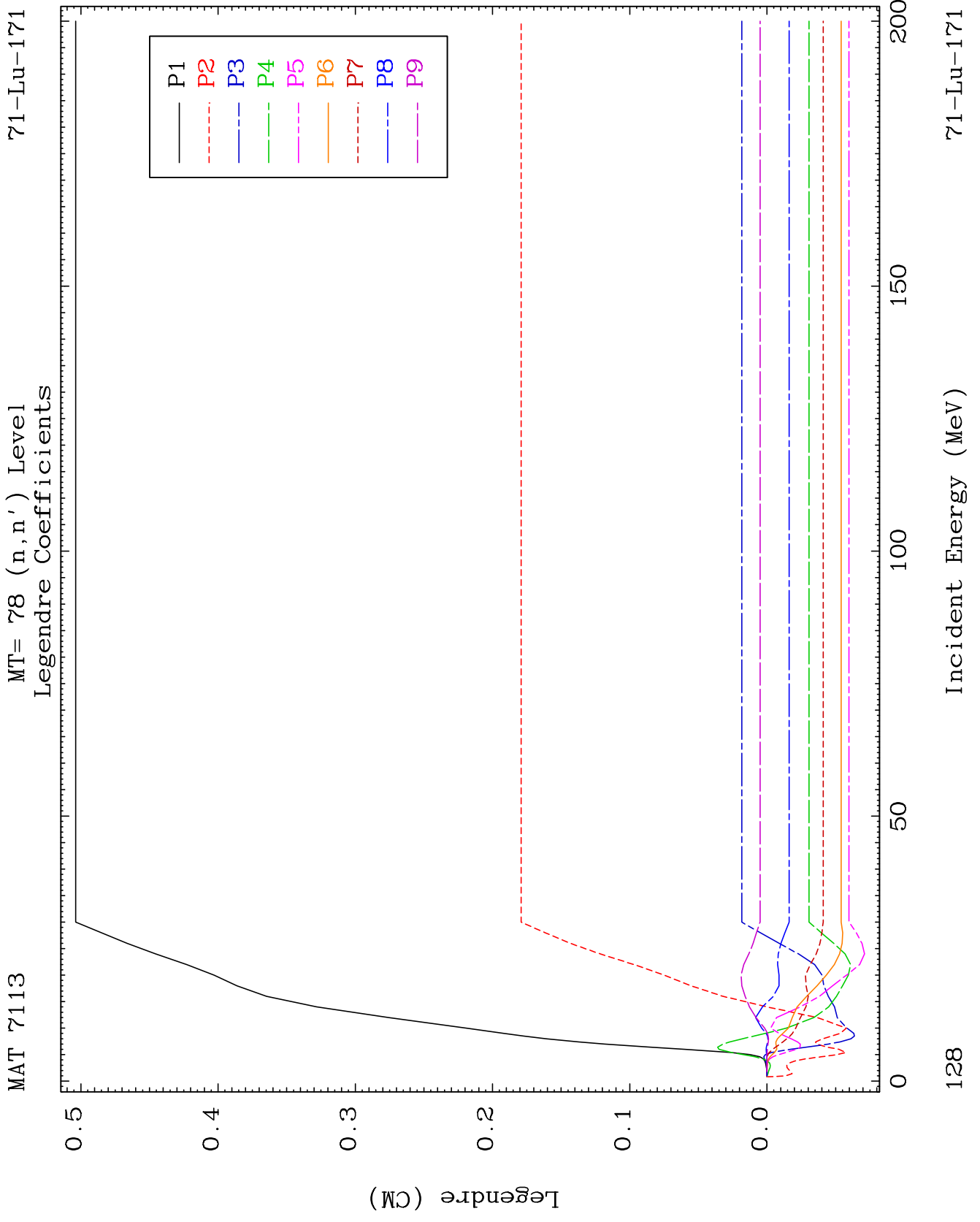
MT= 77 (n,n') Level  
Legendre Coefficients

71-Lu-171

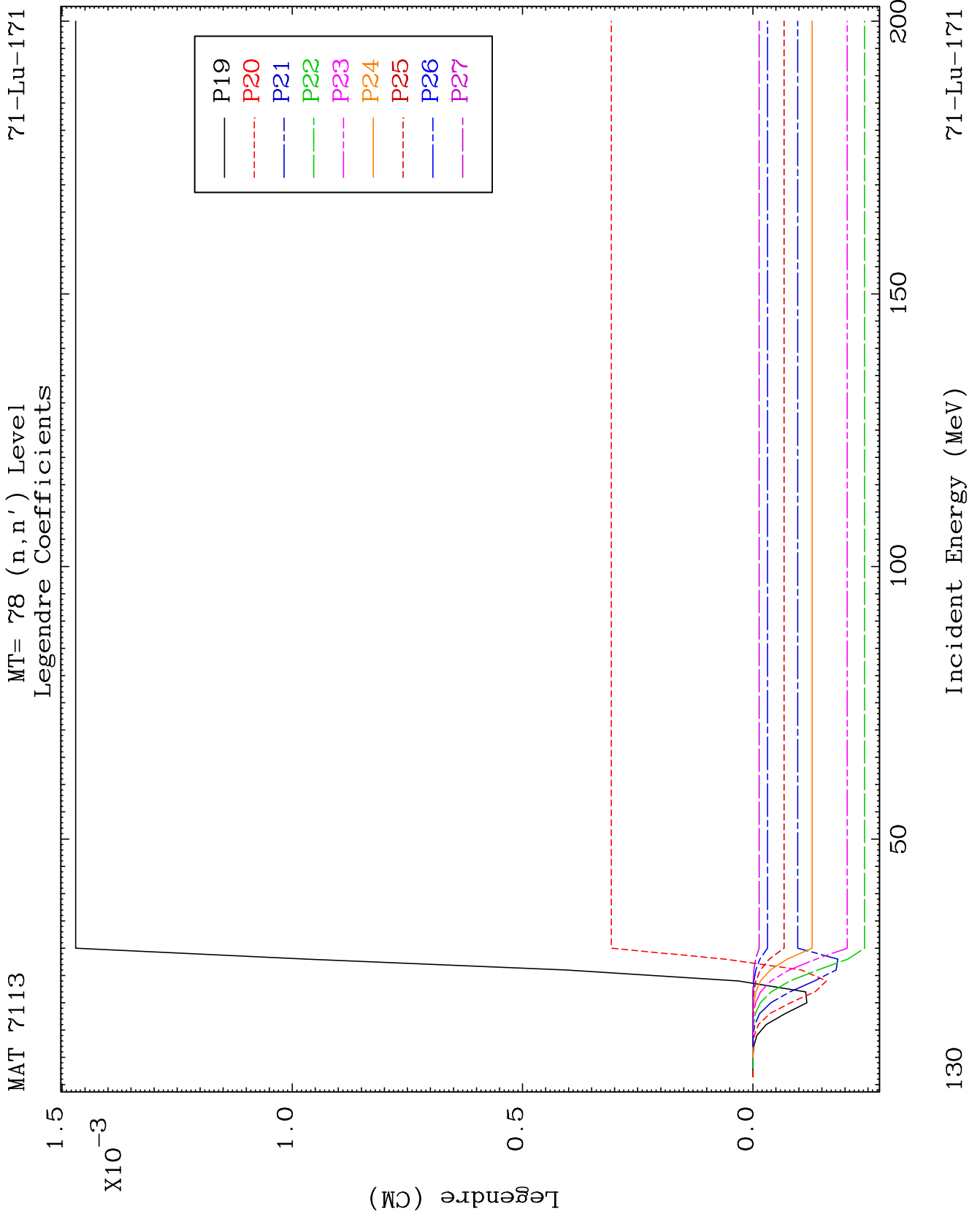


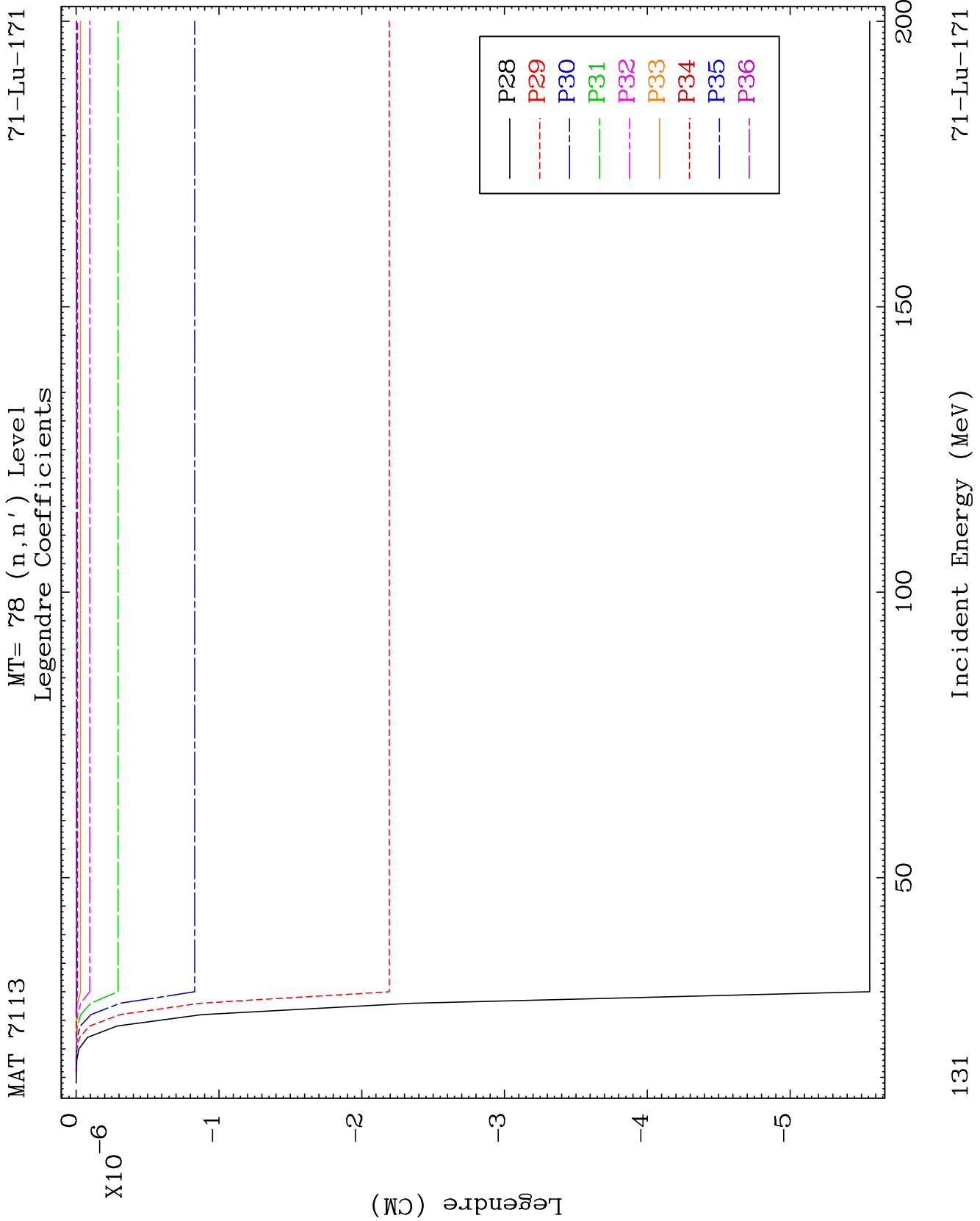
127

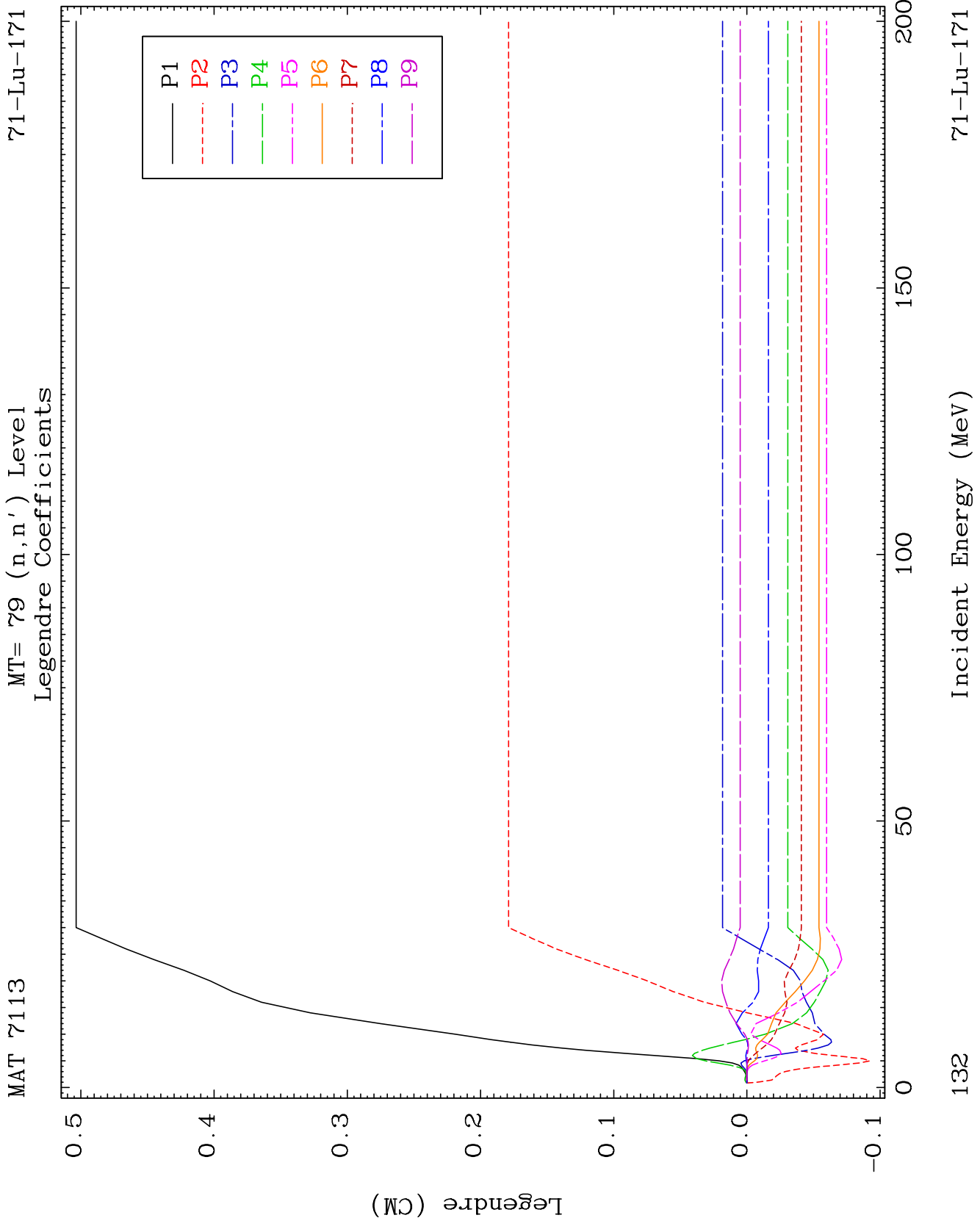


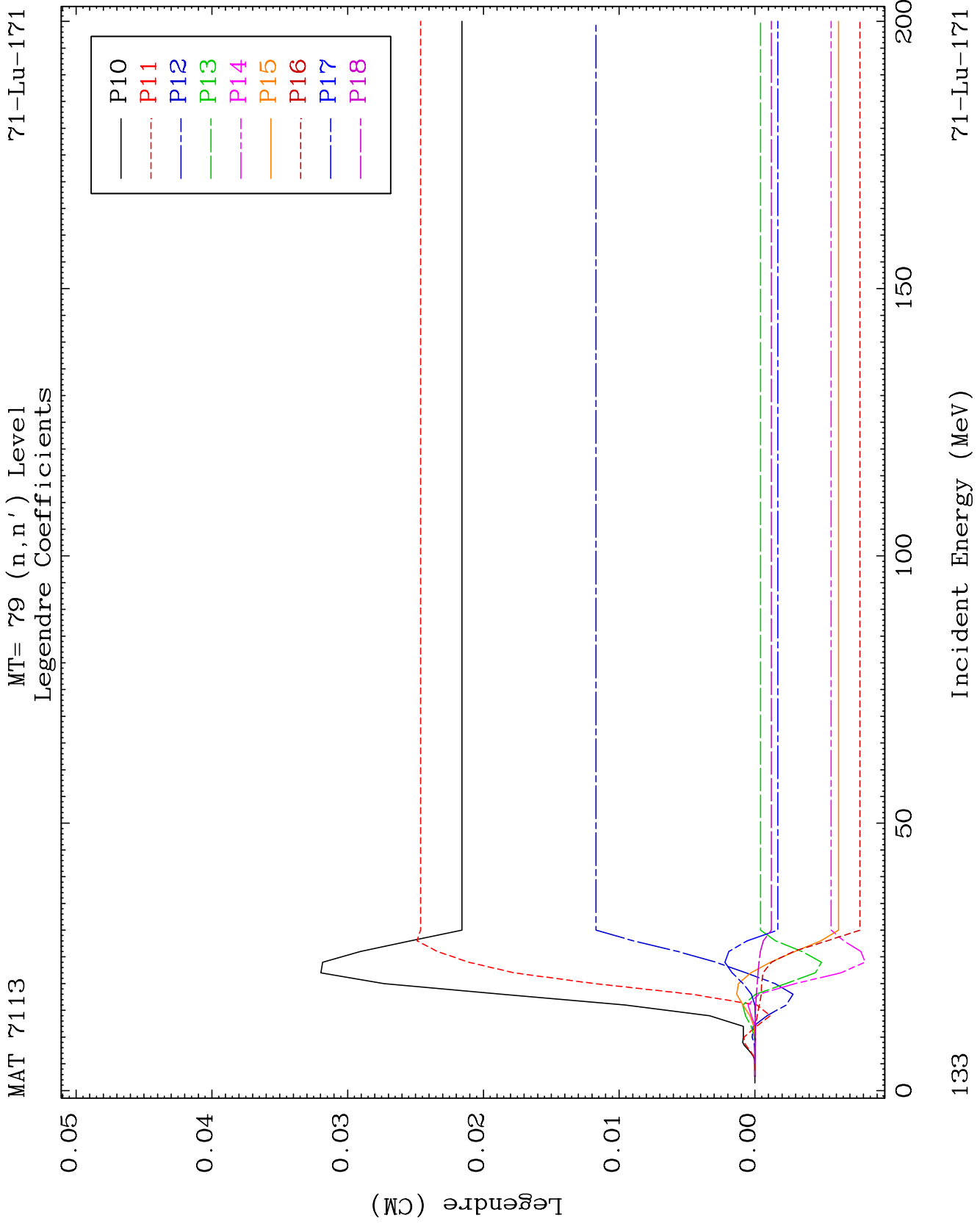








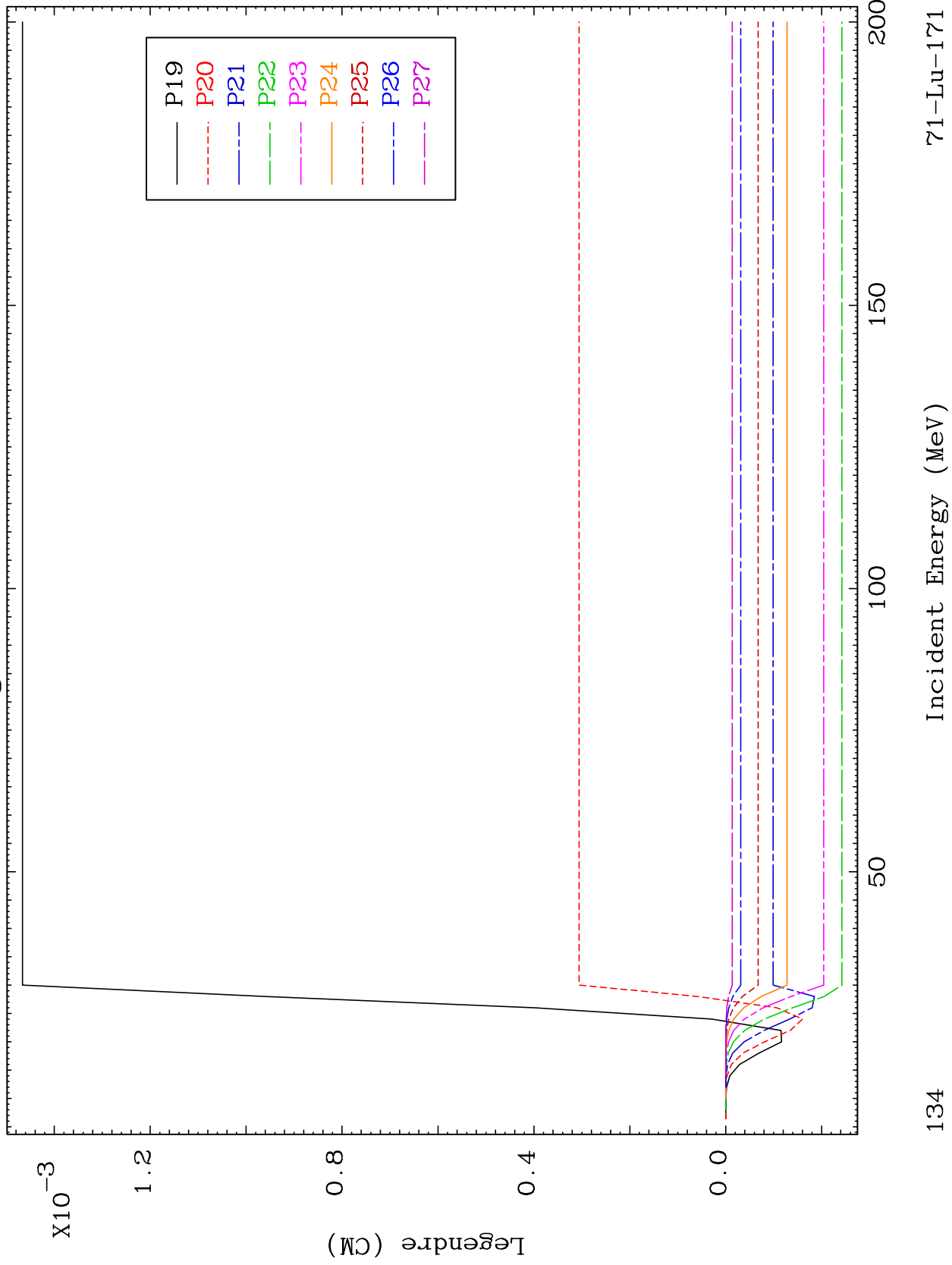




MAT 7113

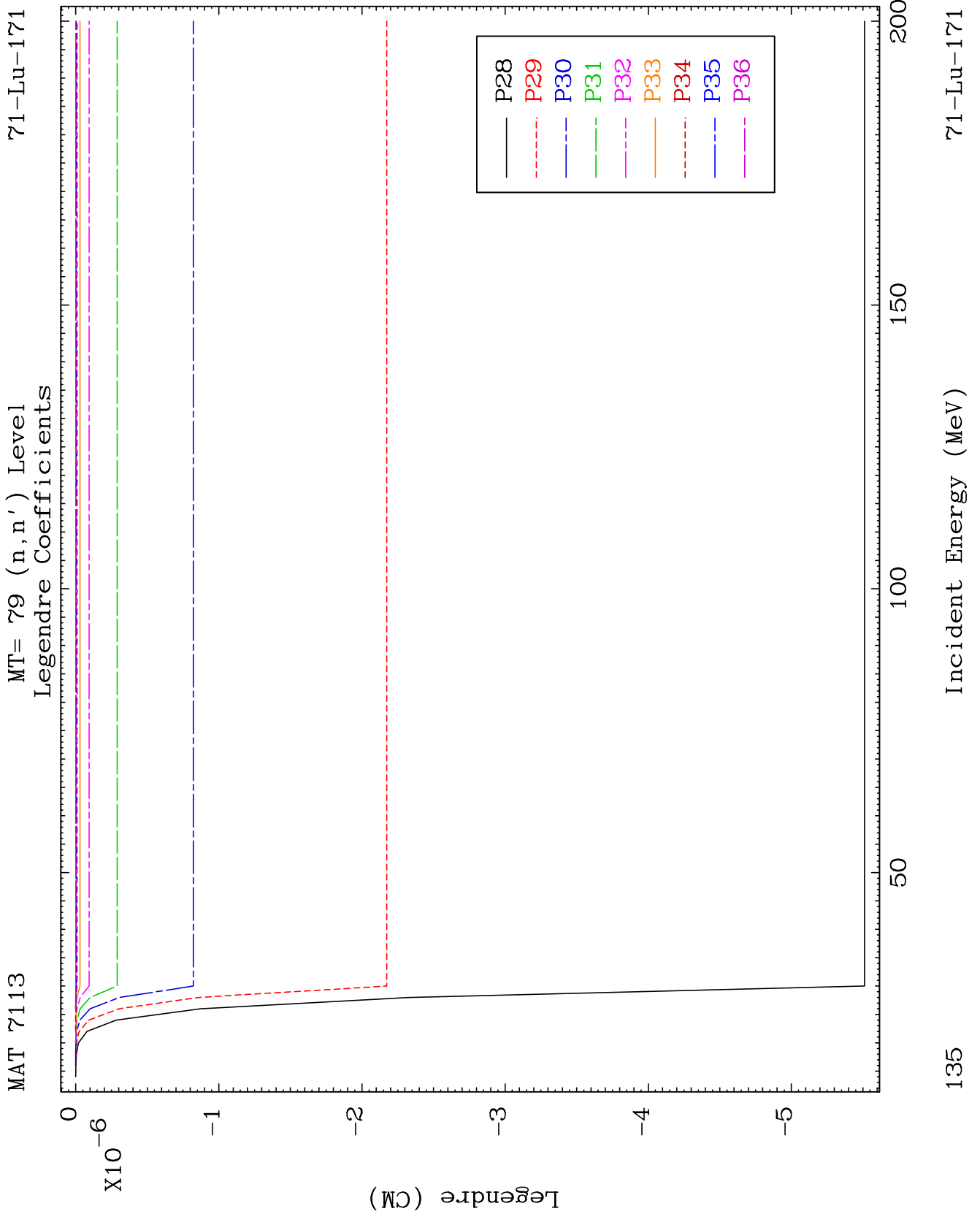
MT= 79 (n,n') Level  
Legendre Coefficients

71-Lu-171



134

71-Lu-171

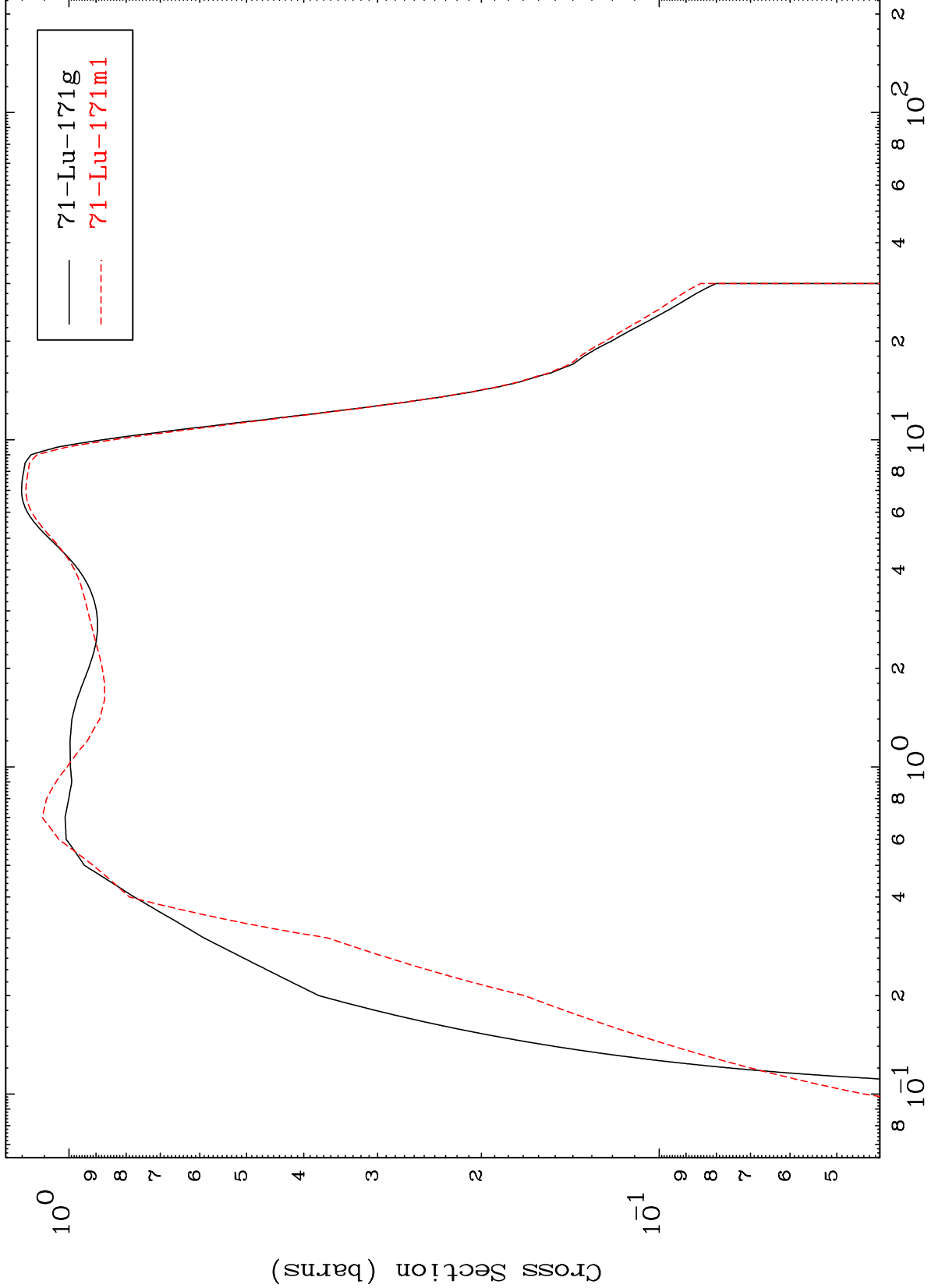




MAT 7113

71-Lu-171

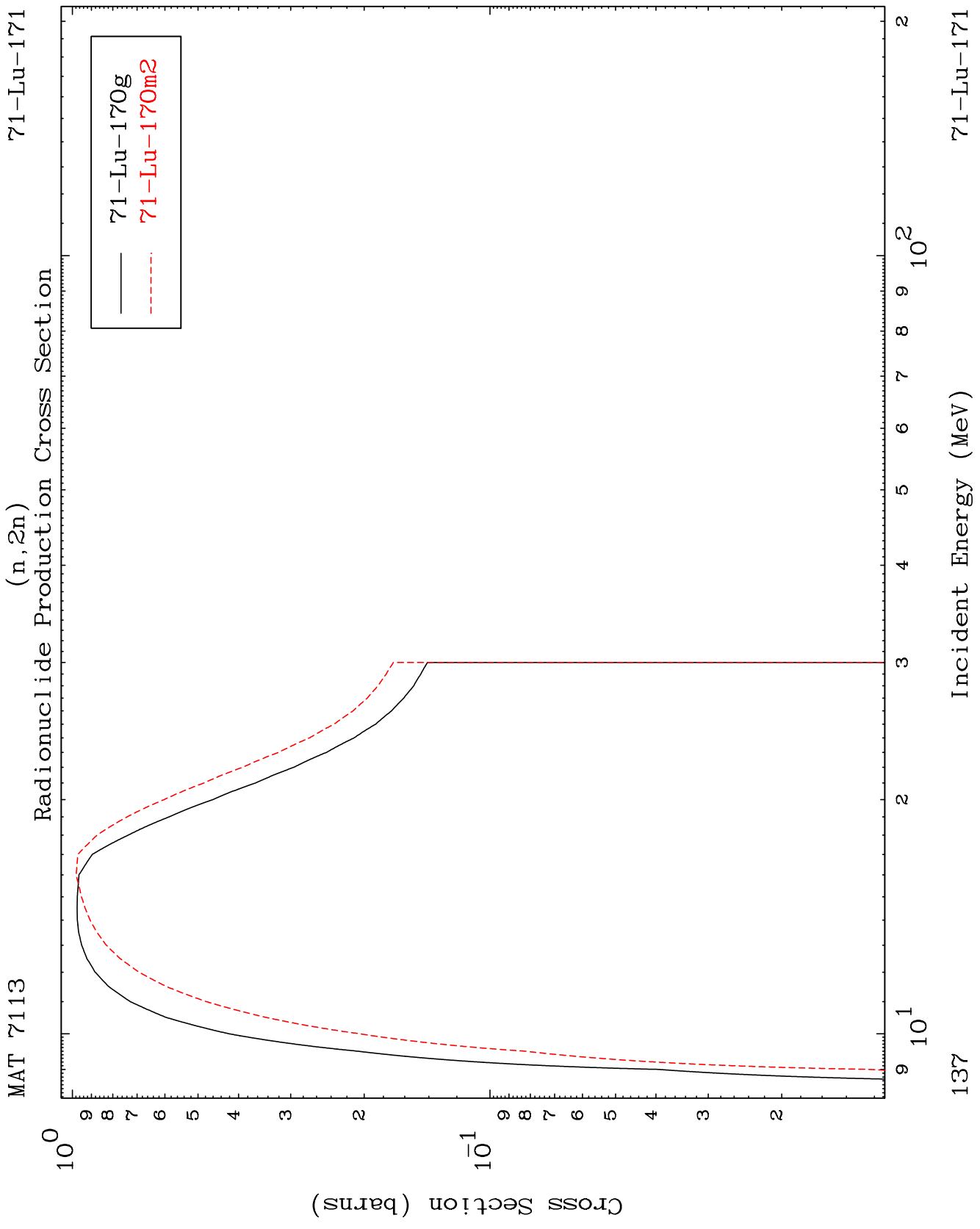
Inelastic  
Radionuclide Production Cross Section



136

Incident Energy (MeV)

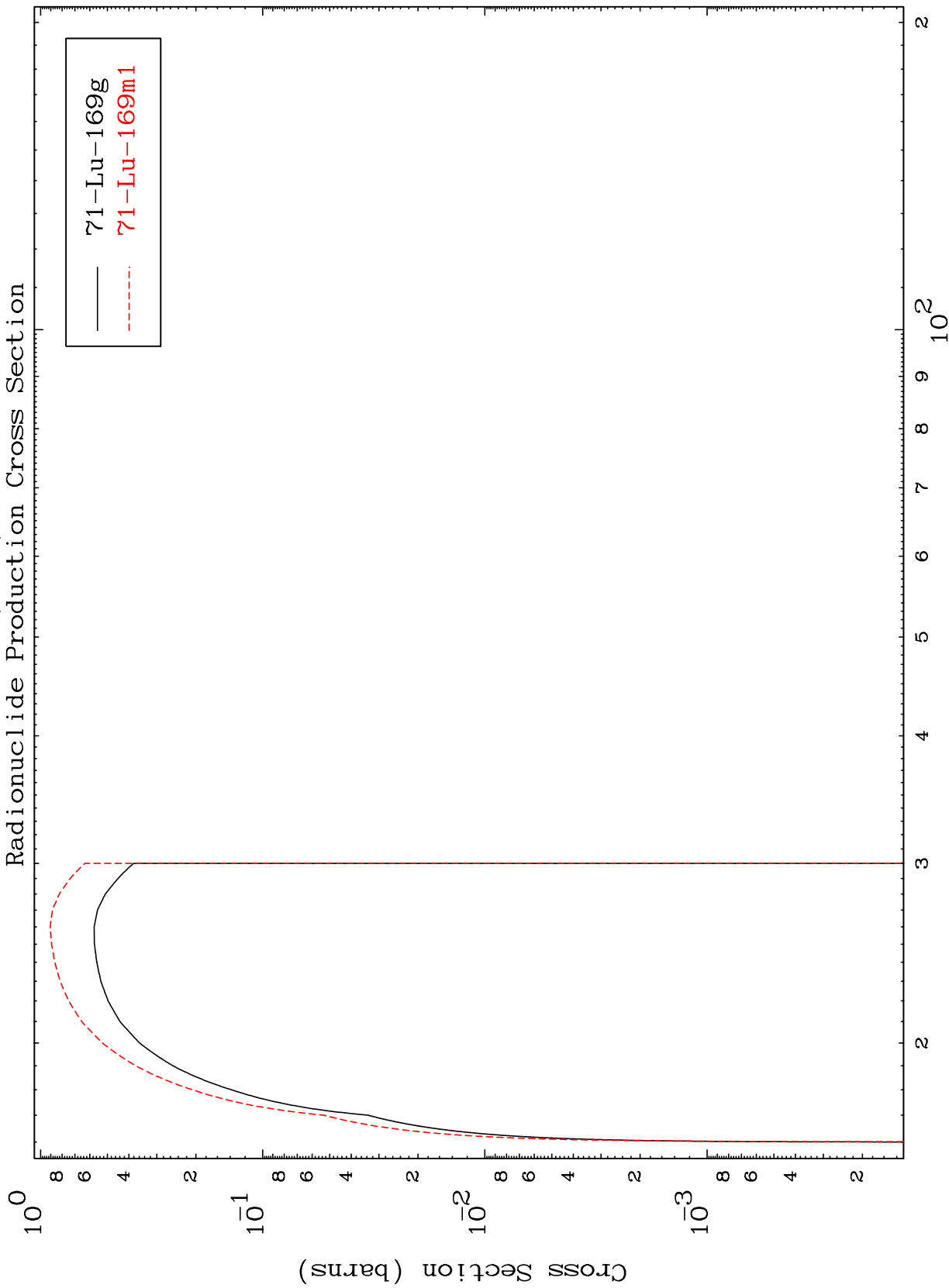
71-Lu-171



MAT 7113

71-Lu-171

(n,3n)  
Radionuclide Production Cross Section



138

71-Lu-171

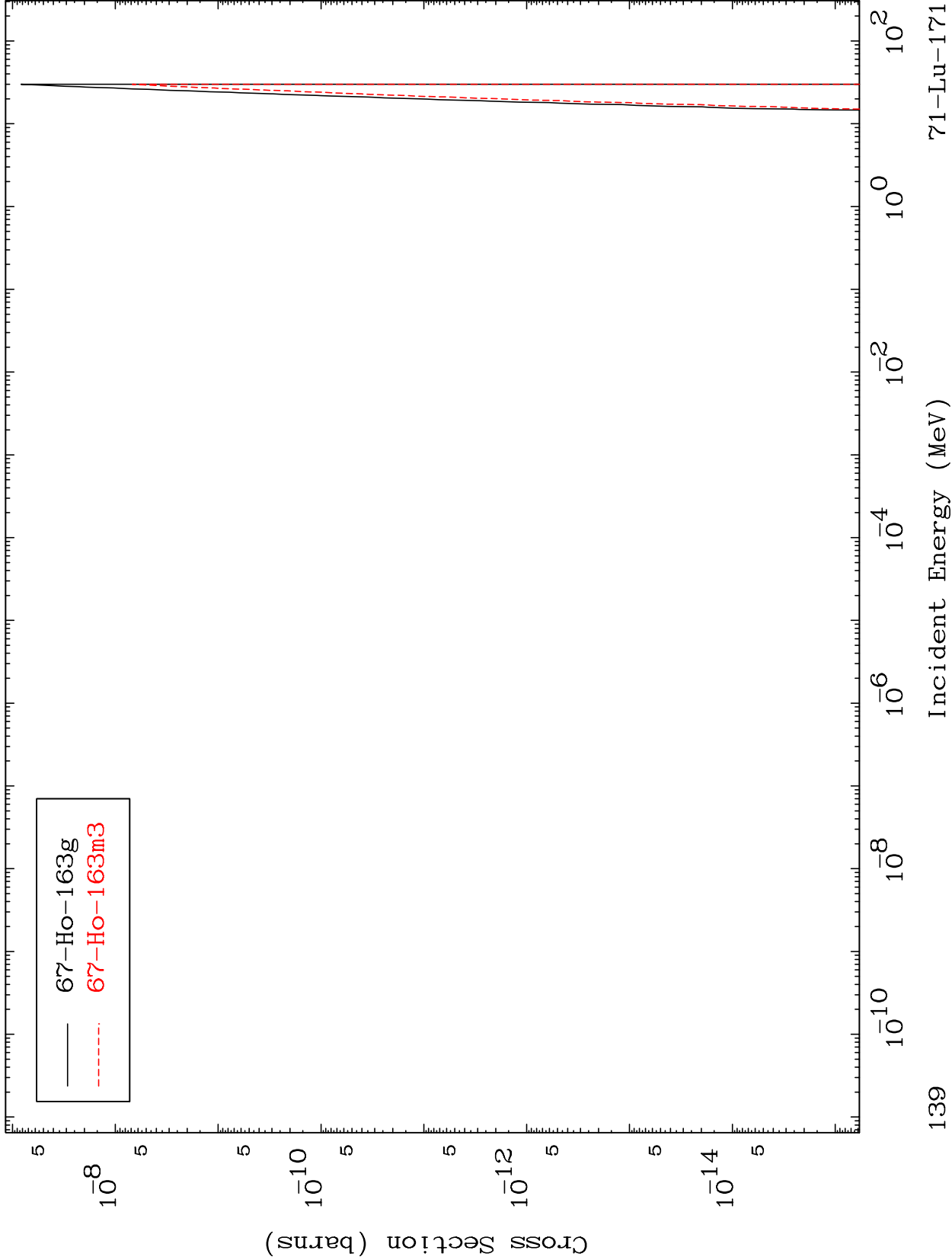
Incident Energy (MeV)

MAT 7113

(n,n') 2α

71-Lu-171

Radionuclide Production Cross Section



139

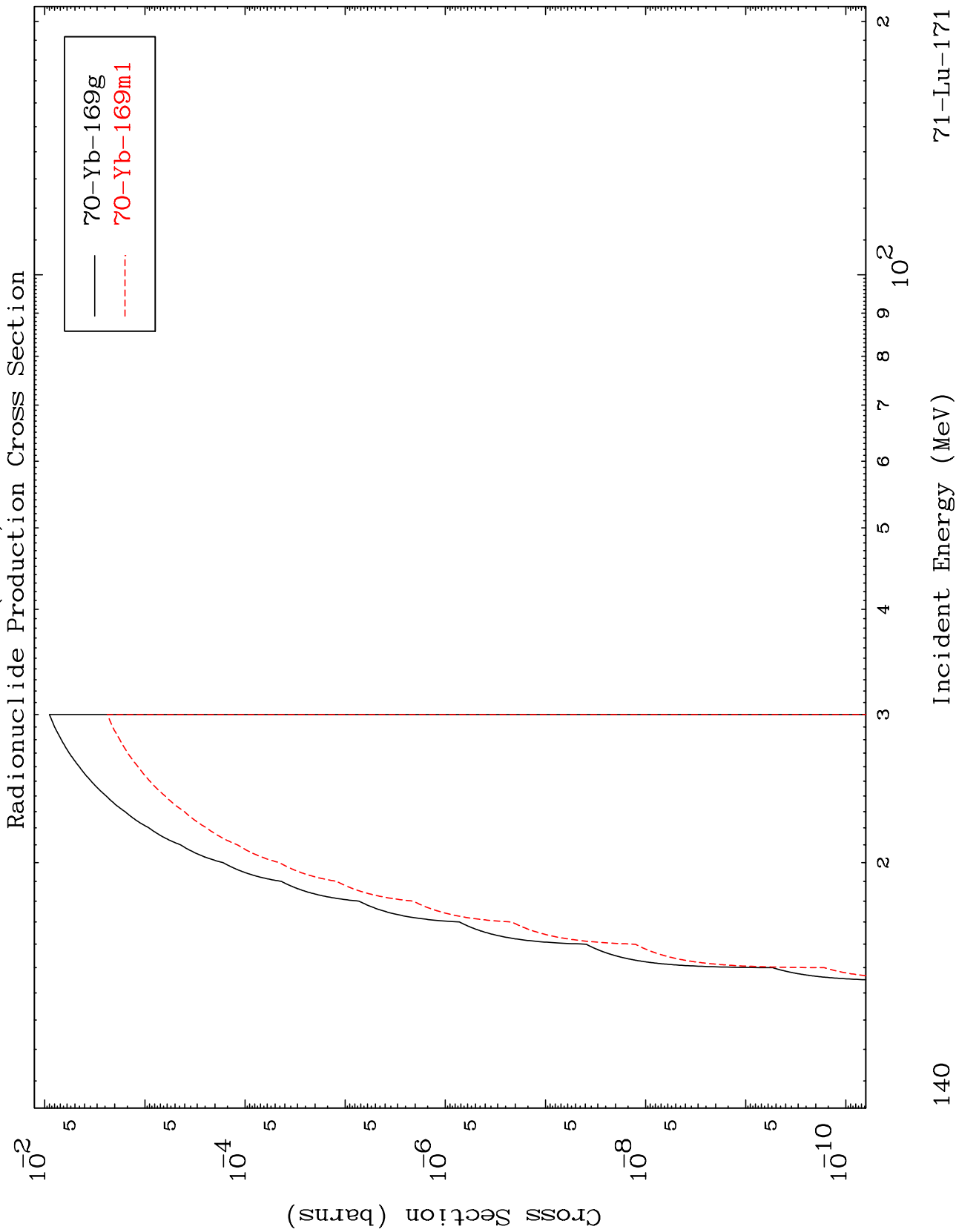
Incident Energy (MeV)

71-Lu-171

MAT 7113

(n,n') d

71-Lu-171



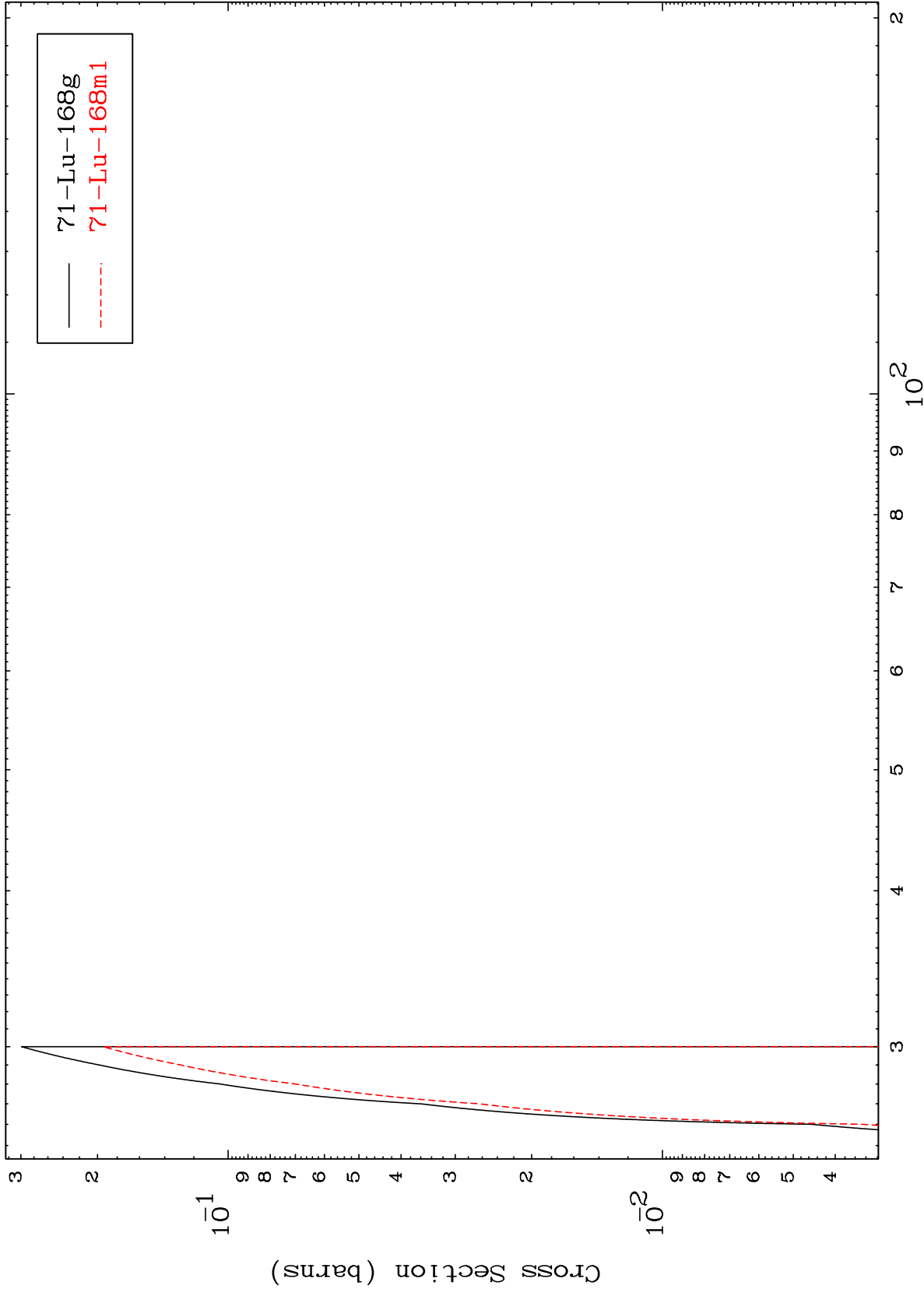
140

71-Lu-171

MAT 7113

71-Lu-171

(n,4n)  
Radionuclide Production Cross Section



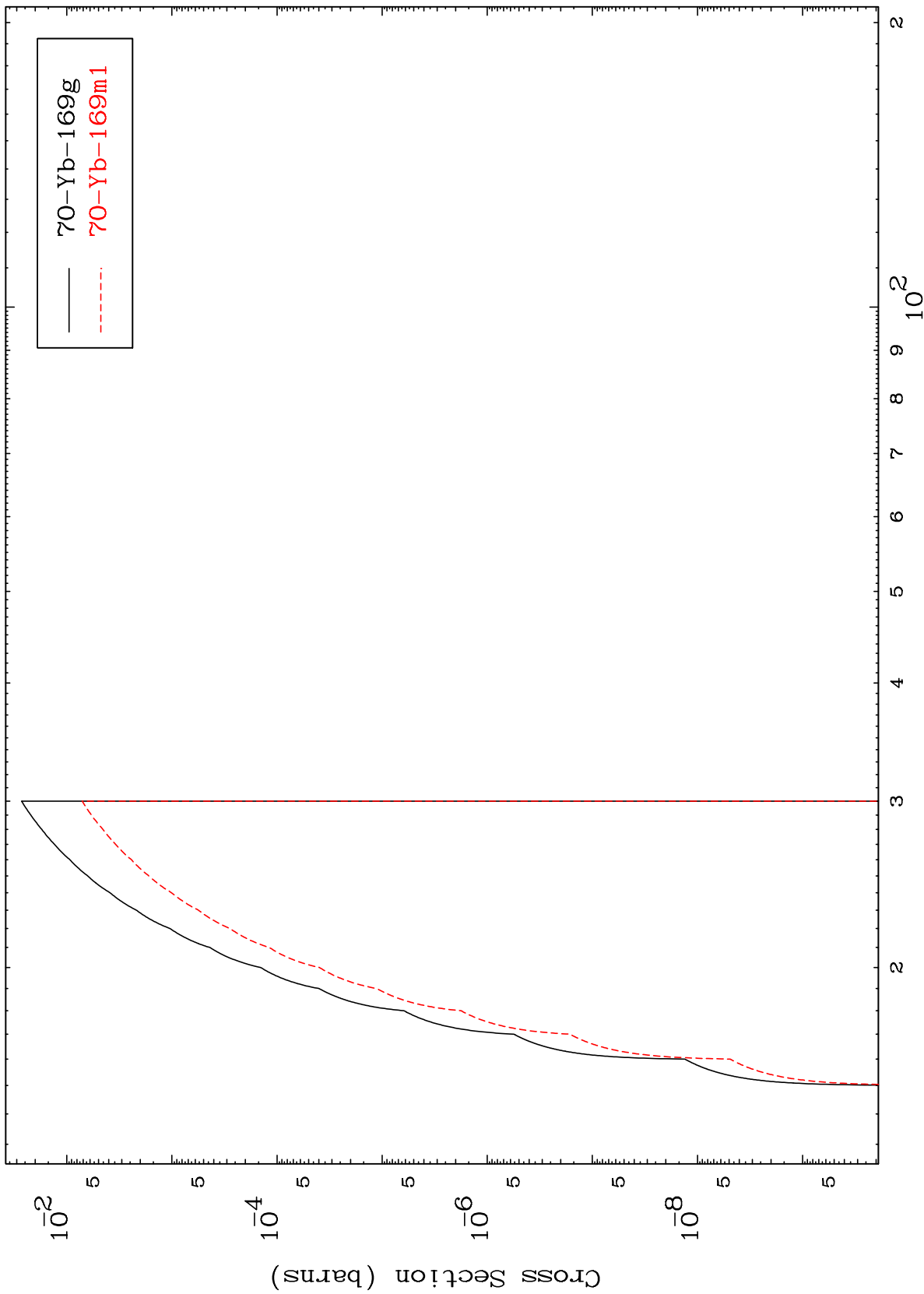
71-Lu-168g  
71-Lu-168m1

141

Incident Energy (MeV)

71-Lu-171

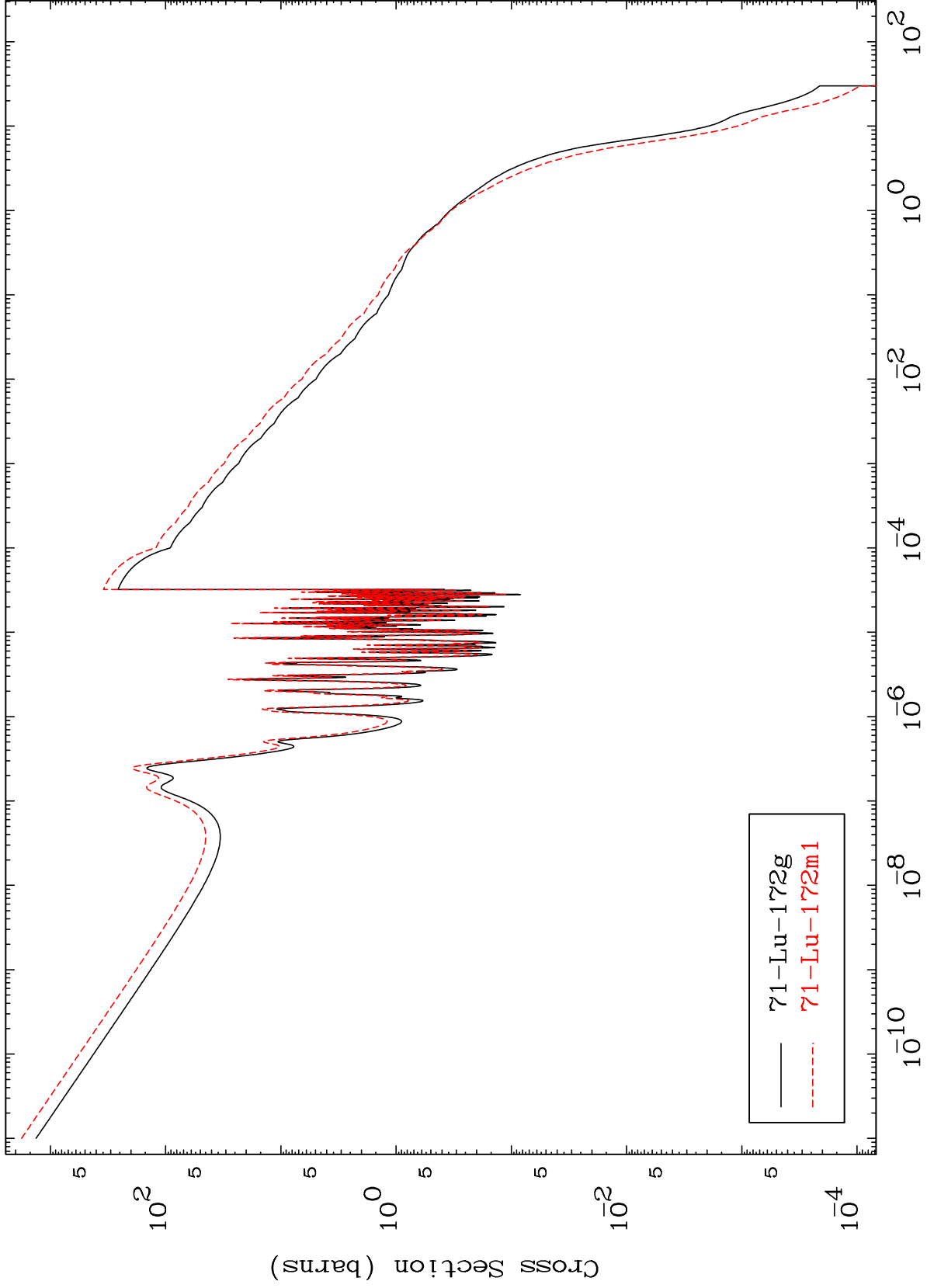
Radionuclide Production Cross Section



MAT 7113

71-Lu-171

(n,γ)  
Radionuclide Production Cross Section



71-Lu-171

Incident Energy (MeV)

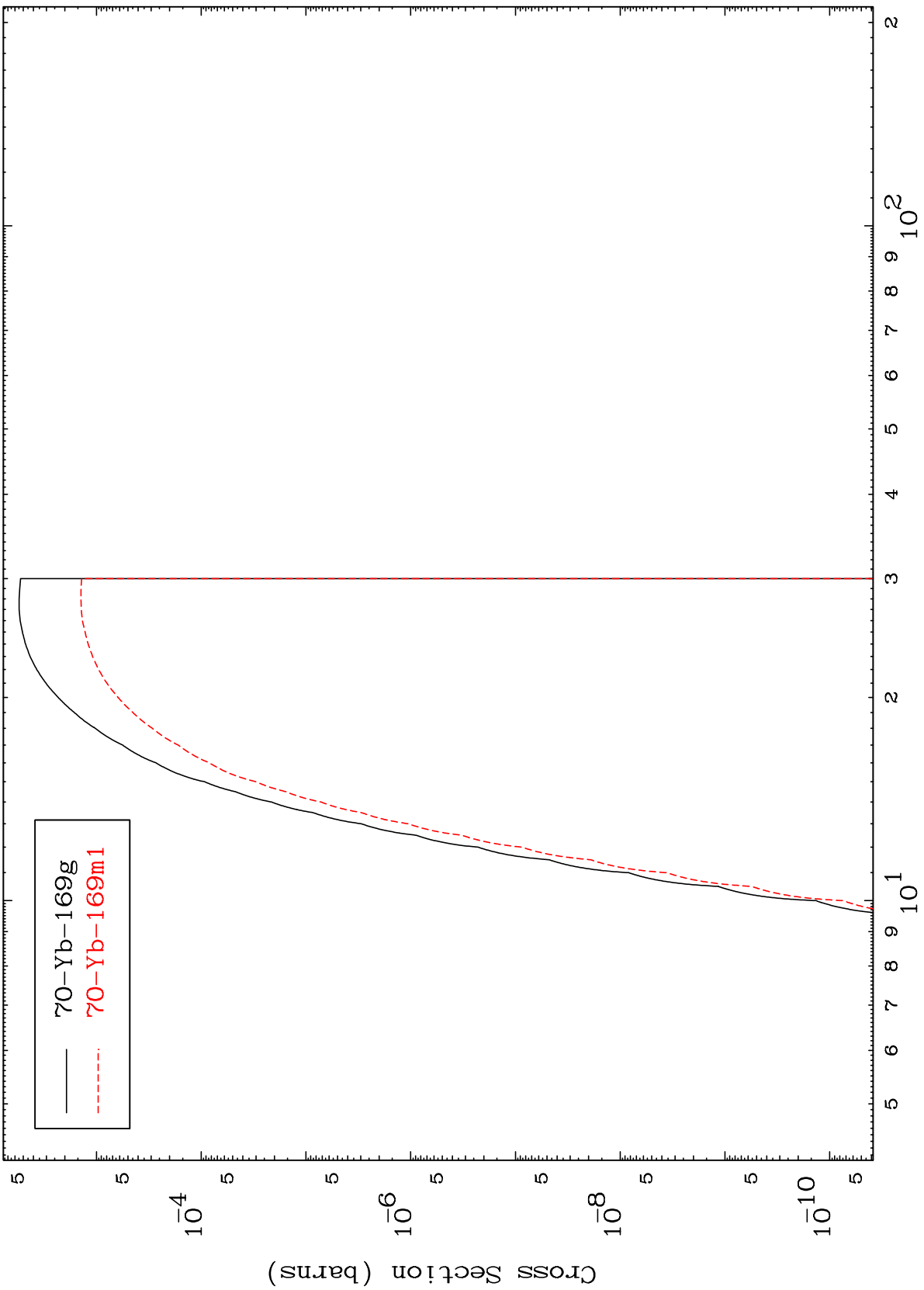
143



MAT 7113

71-Lu-171

Radionuclide Production Cross Section



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

144

Incident Energy (MeV)

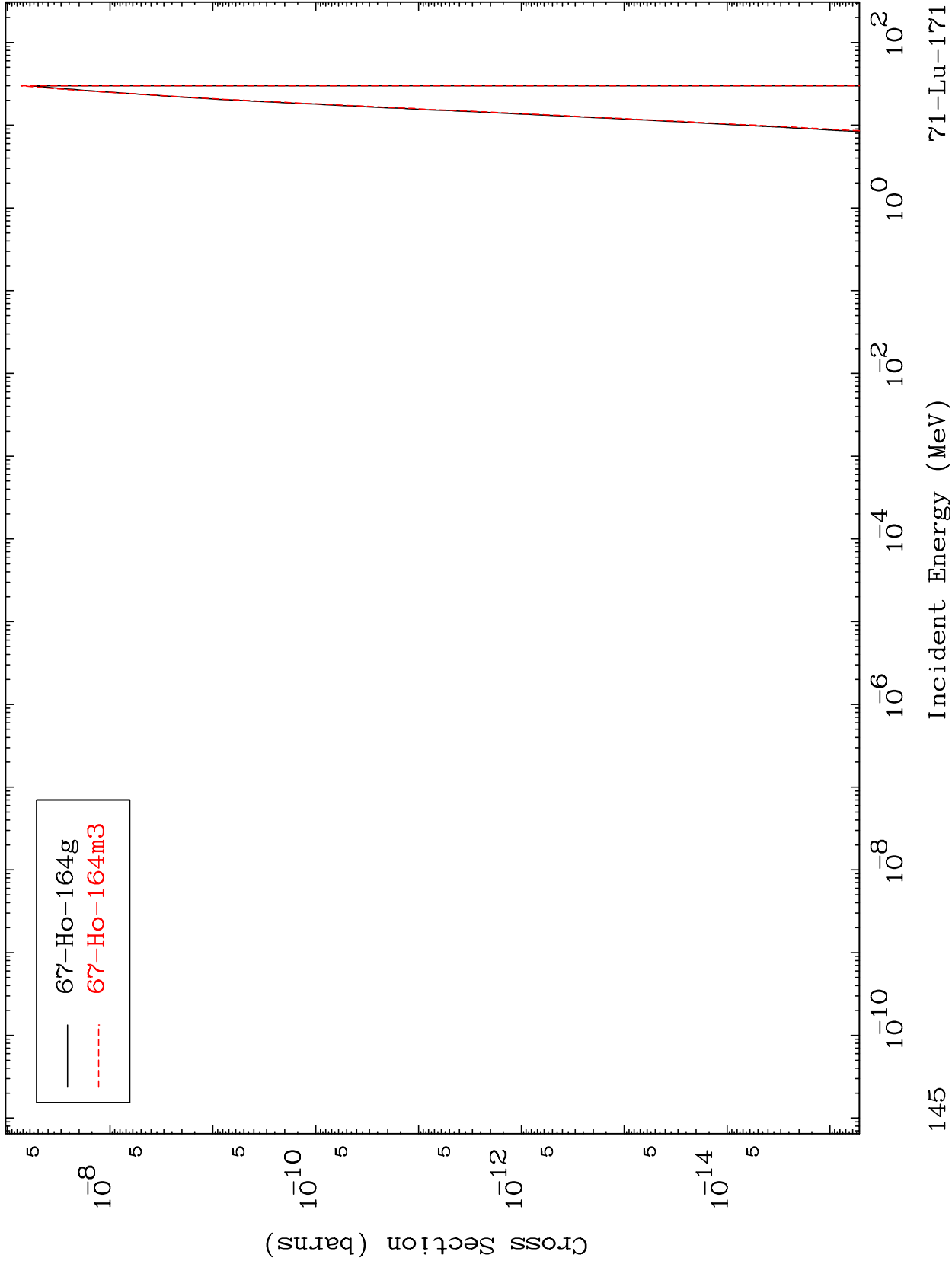
71-Lu-171

MAT 7113

(n,2α)

71-Lu-171

Radionuclide Production Cross Section



MAT 7113

(n,p)  $\alpha$

71-Lu-171

