

Program EVALPLOT  
(Version 2021-1)

by

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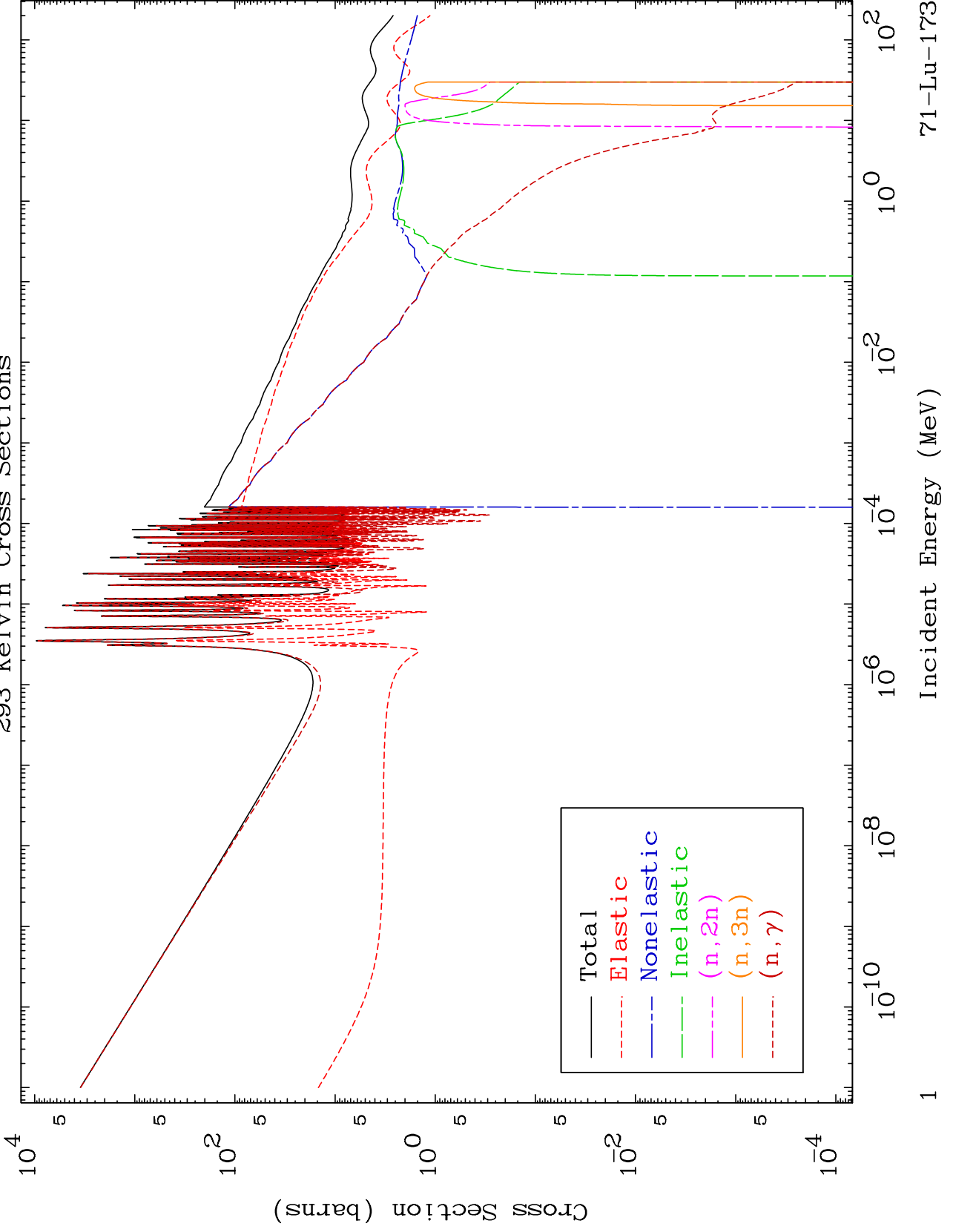
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Press Mouse Button to Start

MAT 7119

Neutron Major  
293 Kelvin Cross Sections

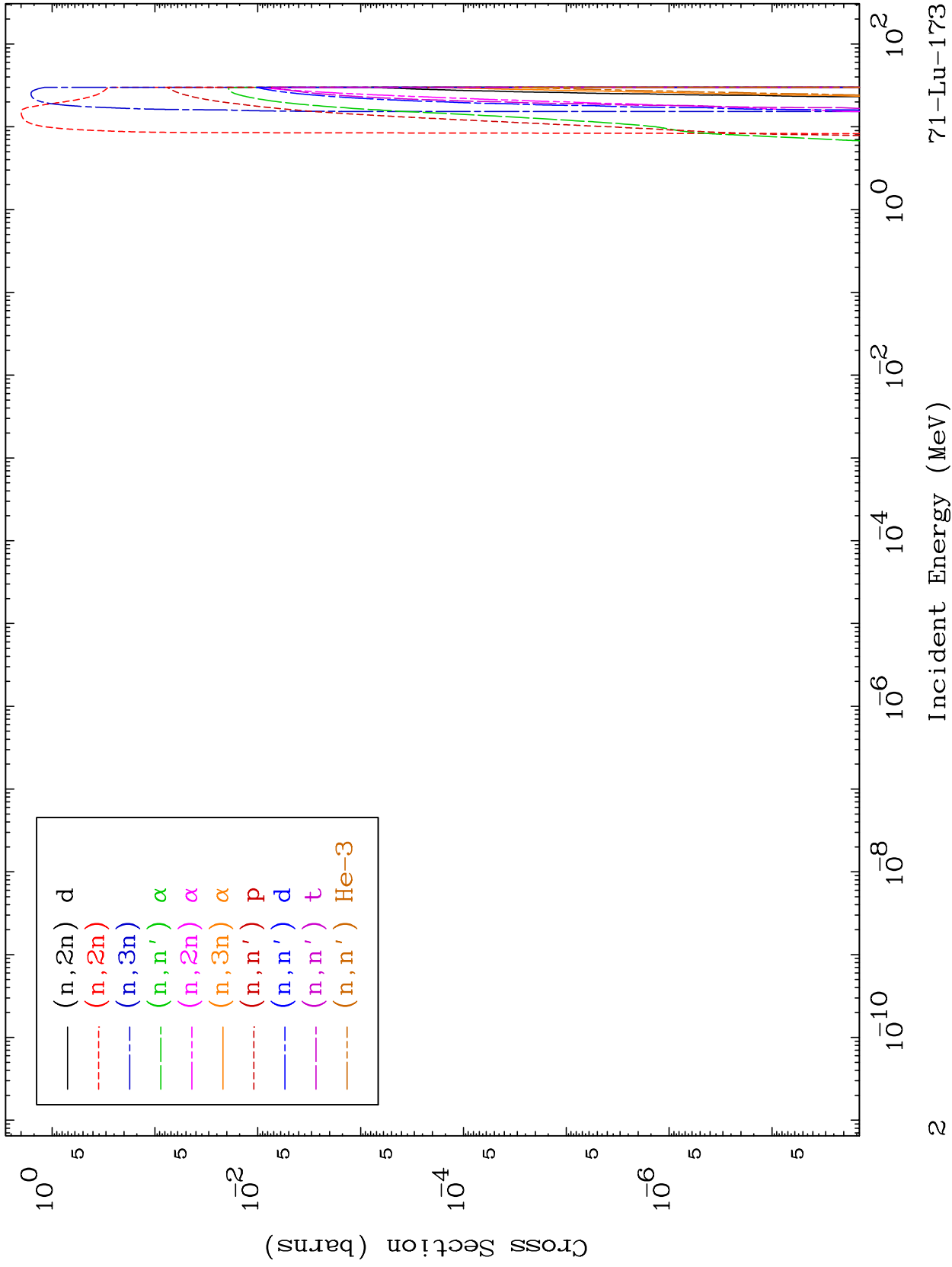
71-Lu-173



MAT 7119

Neutron Absorption  
293 Kelvin Cross Sections

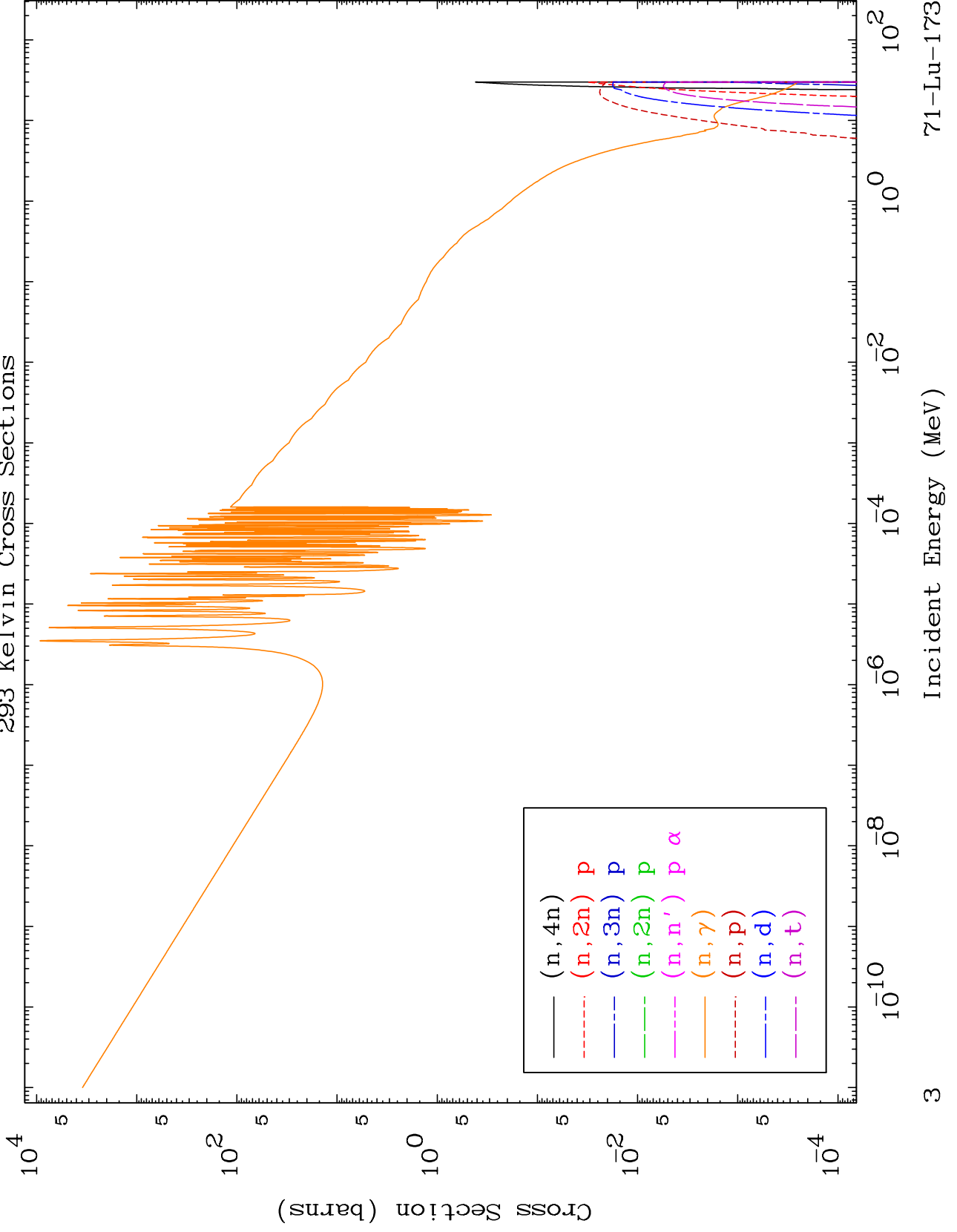
71-Lu-173



MAT 7119

Neutron Absorption  
293 Kelvin Cross Sections

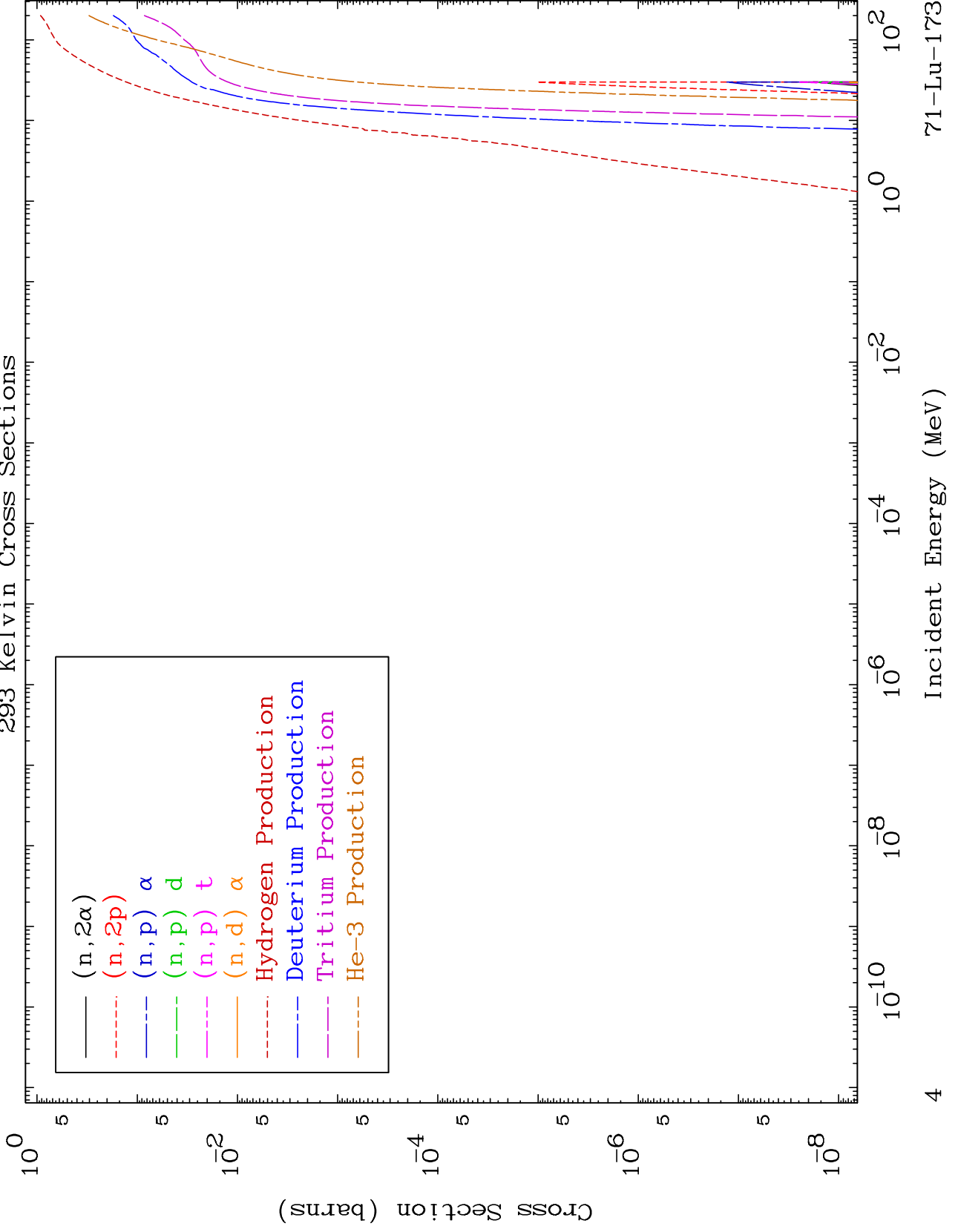
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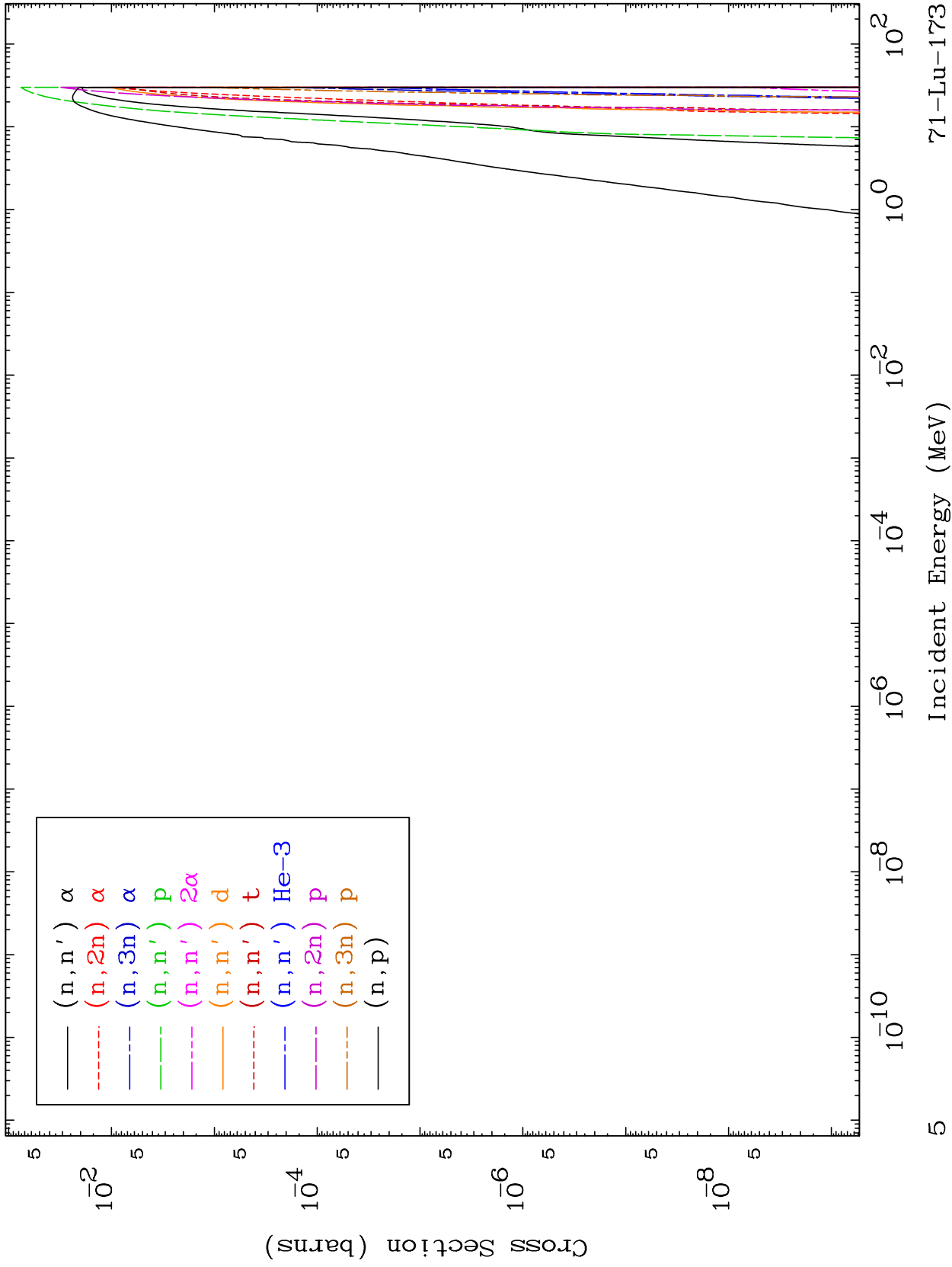


MAT 7119

Neutron Absorption  
293 Kelvin Cross Sections

71-Lu-173

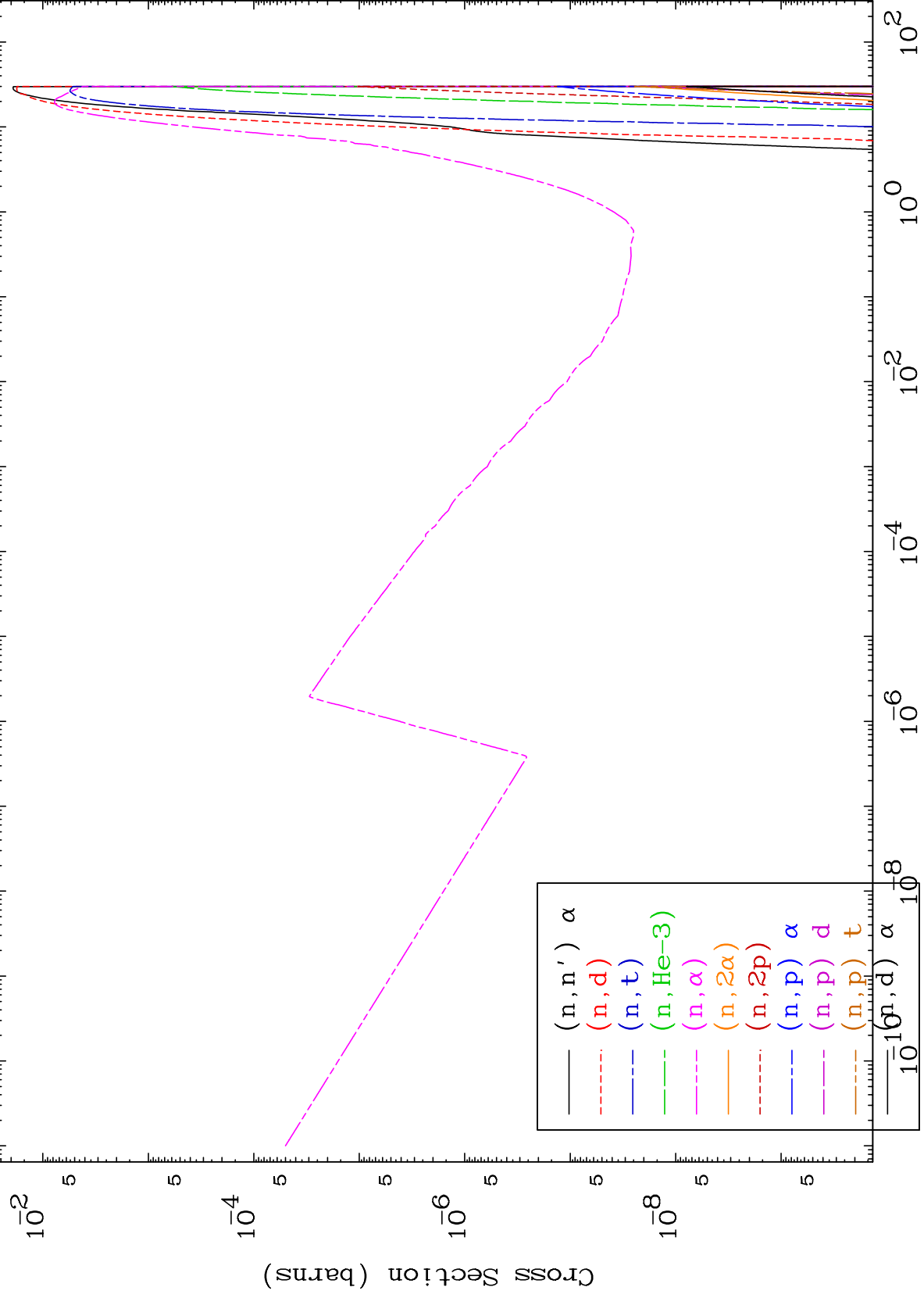




MAT 7119

Charged Particle  
293 Kelvin Cross Sections

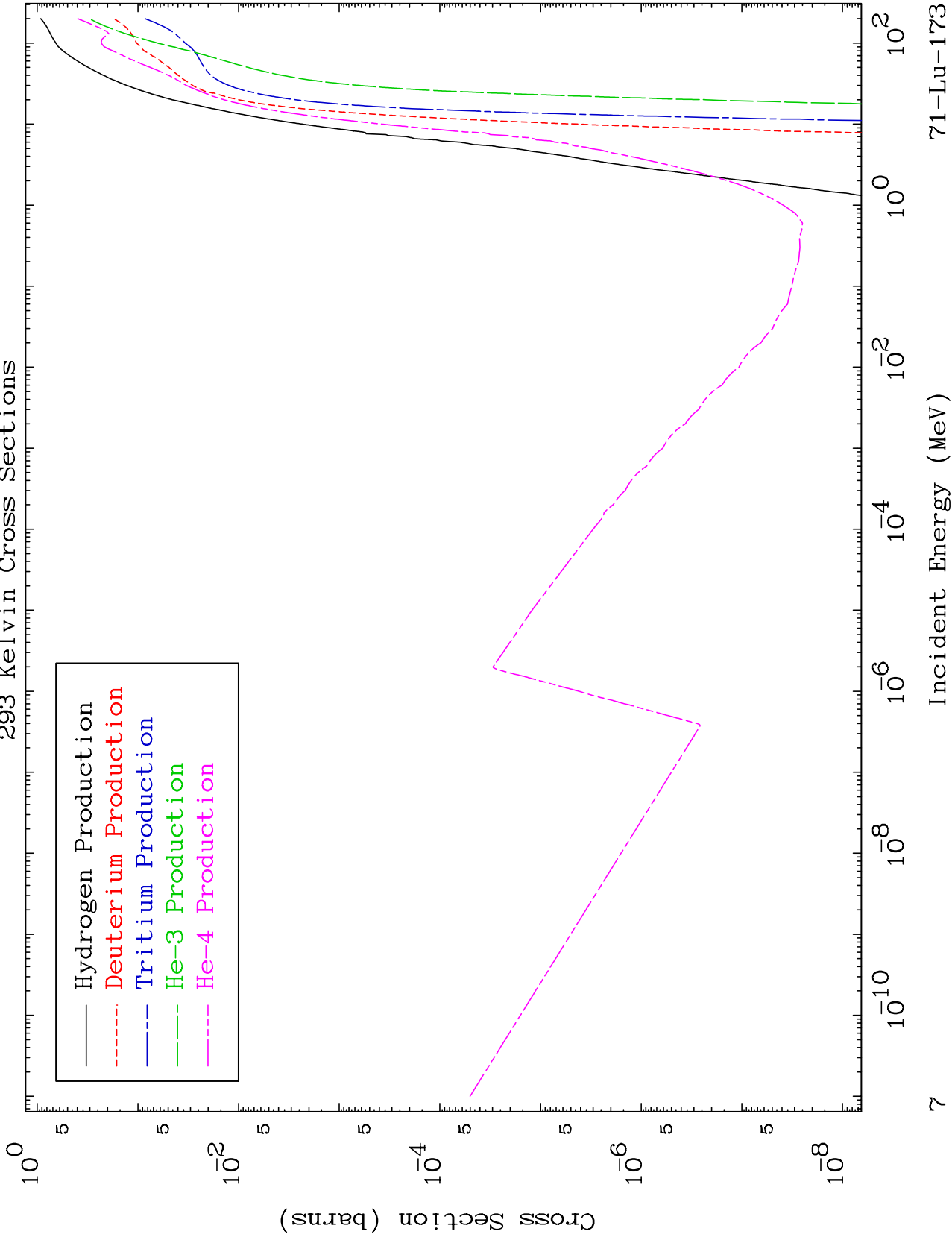
71-Lu-173



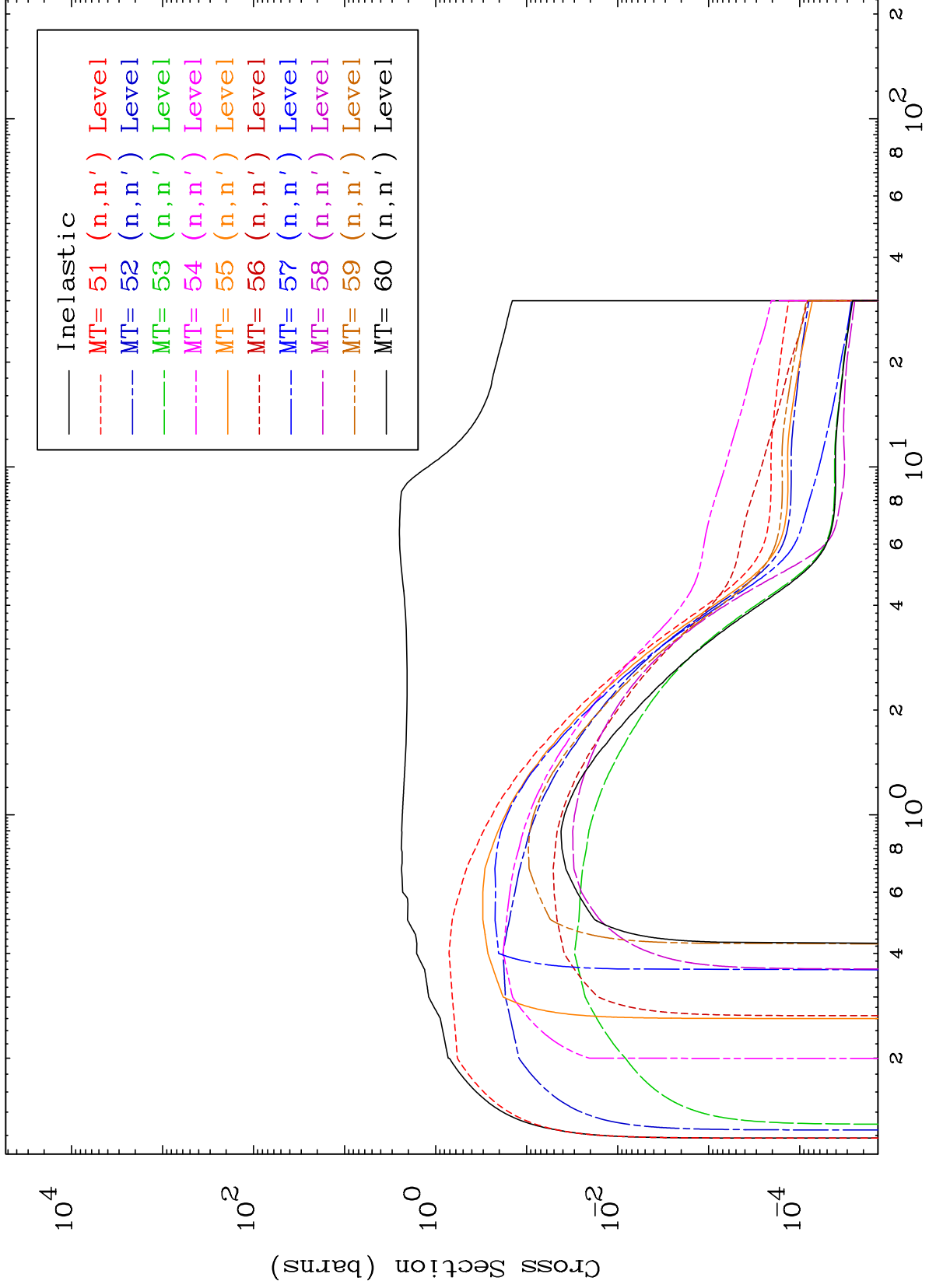
MAT 7119

Particle Production  
293 Kelvin Cross Sections

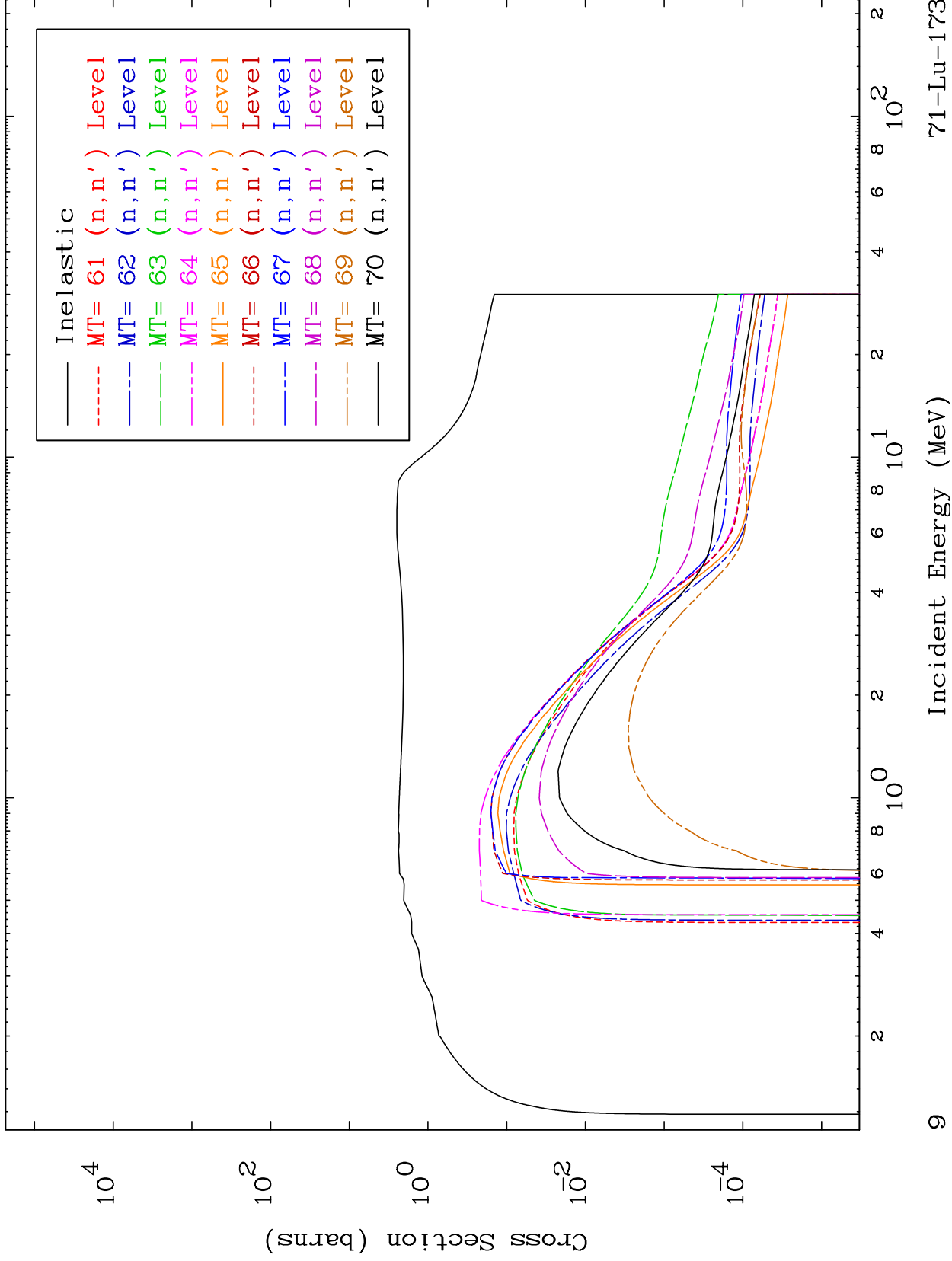
71-Lu-173



293 Kelvin Cross Sections



293 Kelvin Cross Sections

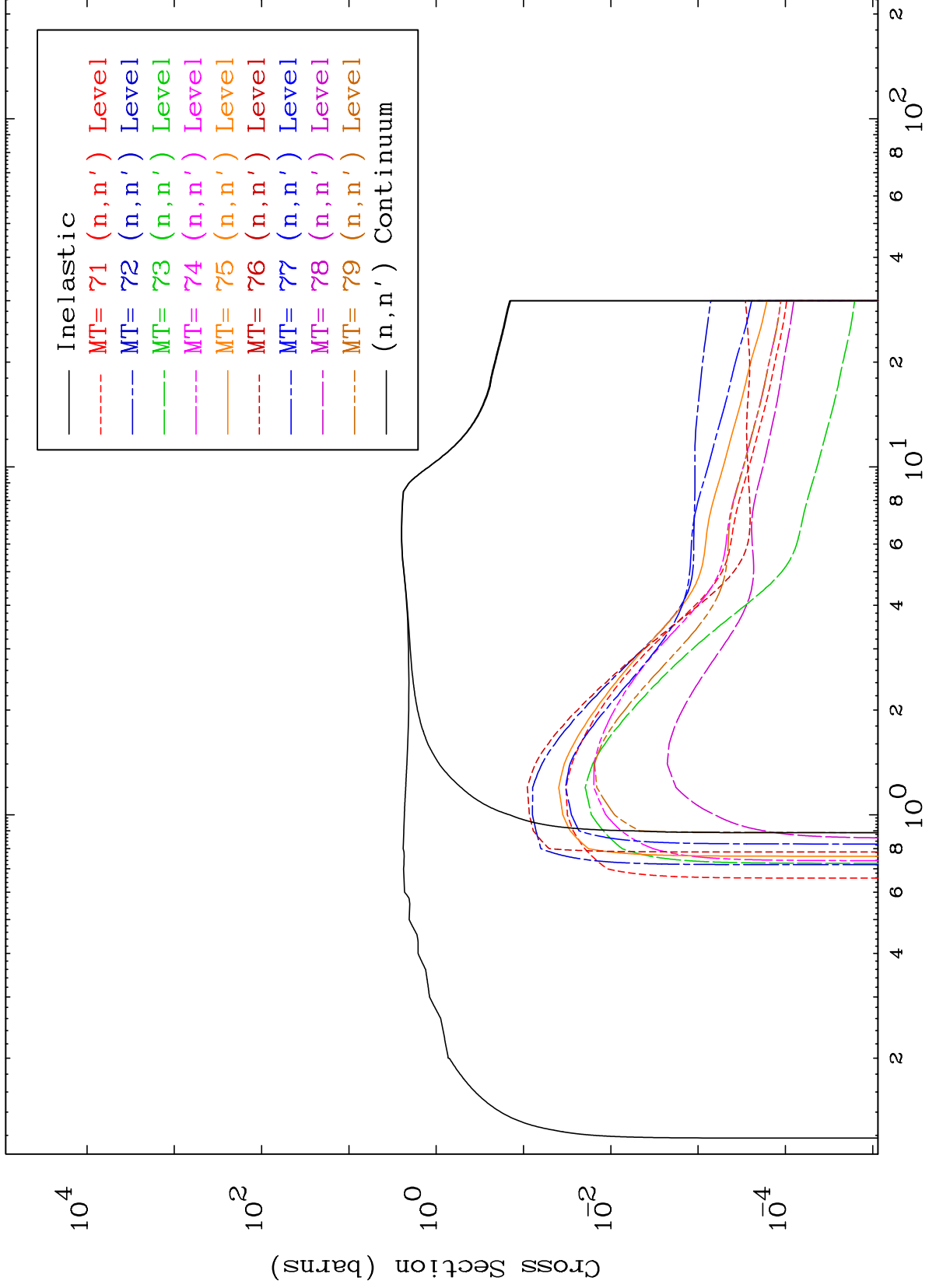


MAT 7119

(n,n') Levels

71-Lu-173

293 Kelvin Cross Sections



10

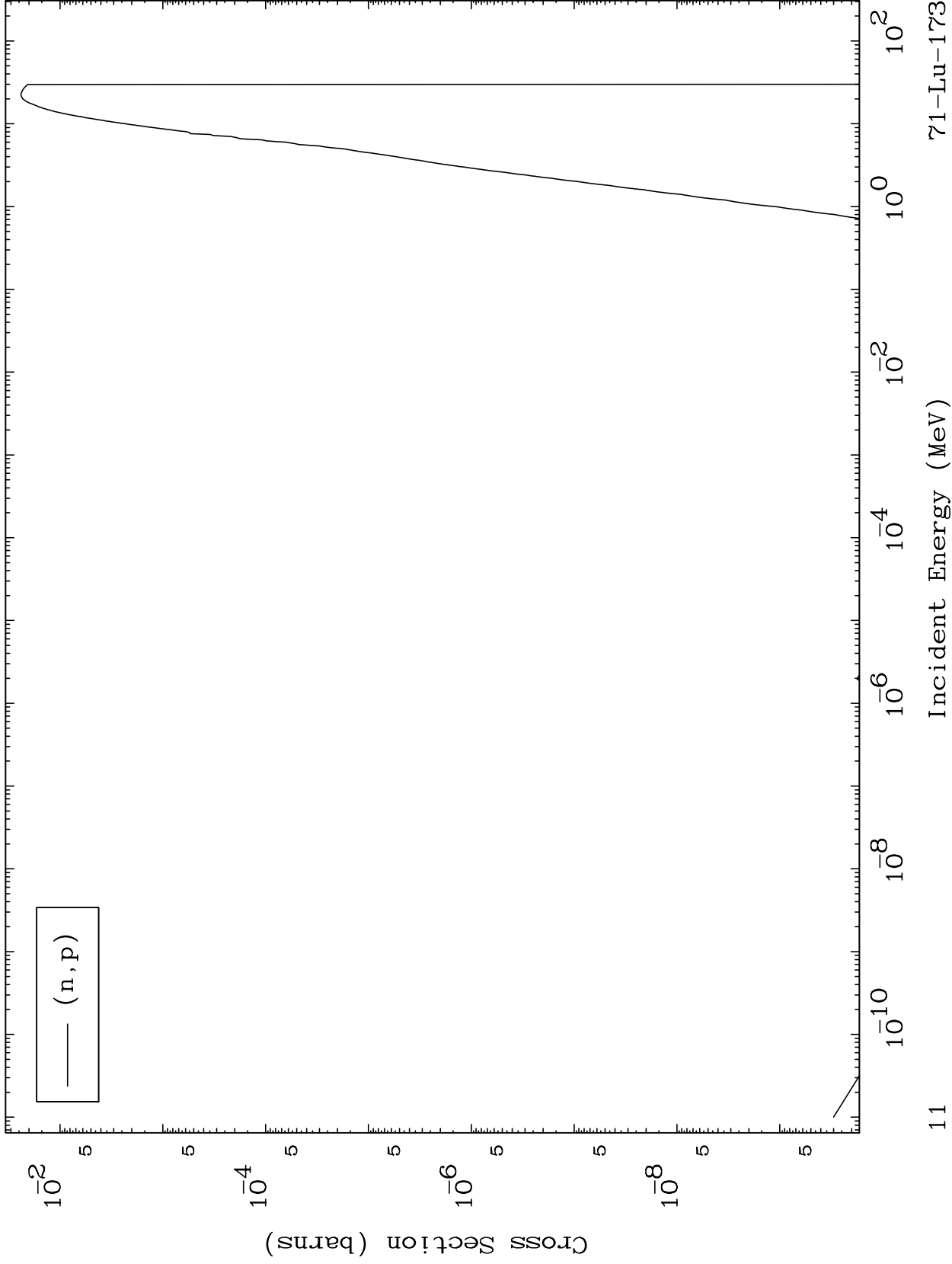
Incident Energy (MeV)

71-Lu-173

MAT 7119

(n,p) Levels  
293 Kelvin Cross Sections

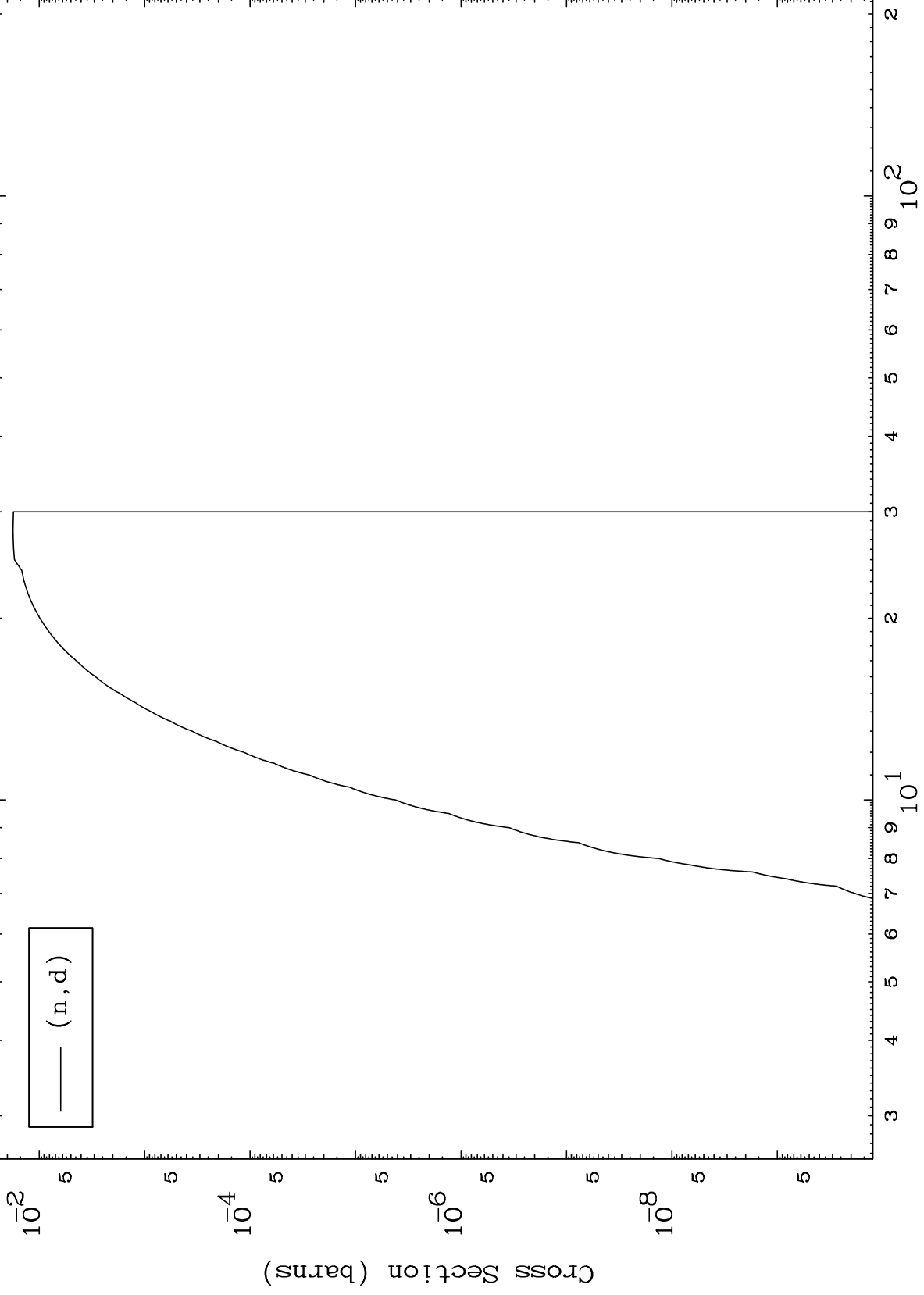
71-Lu-173



MAT 7119

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-173



(n,d)

12

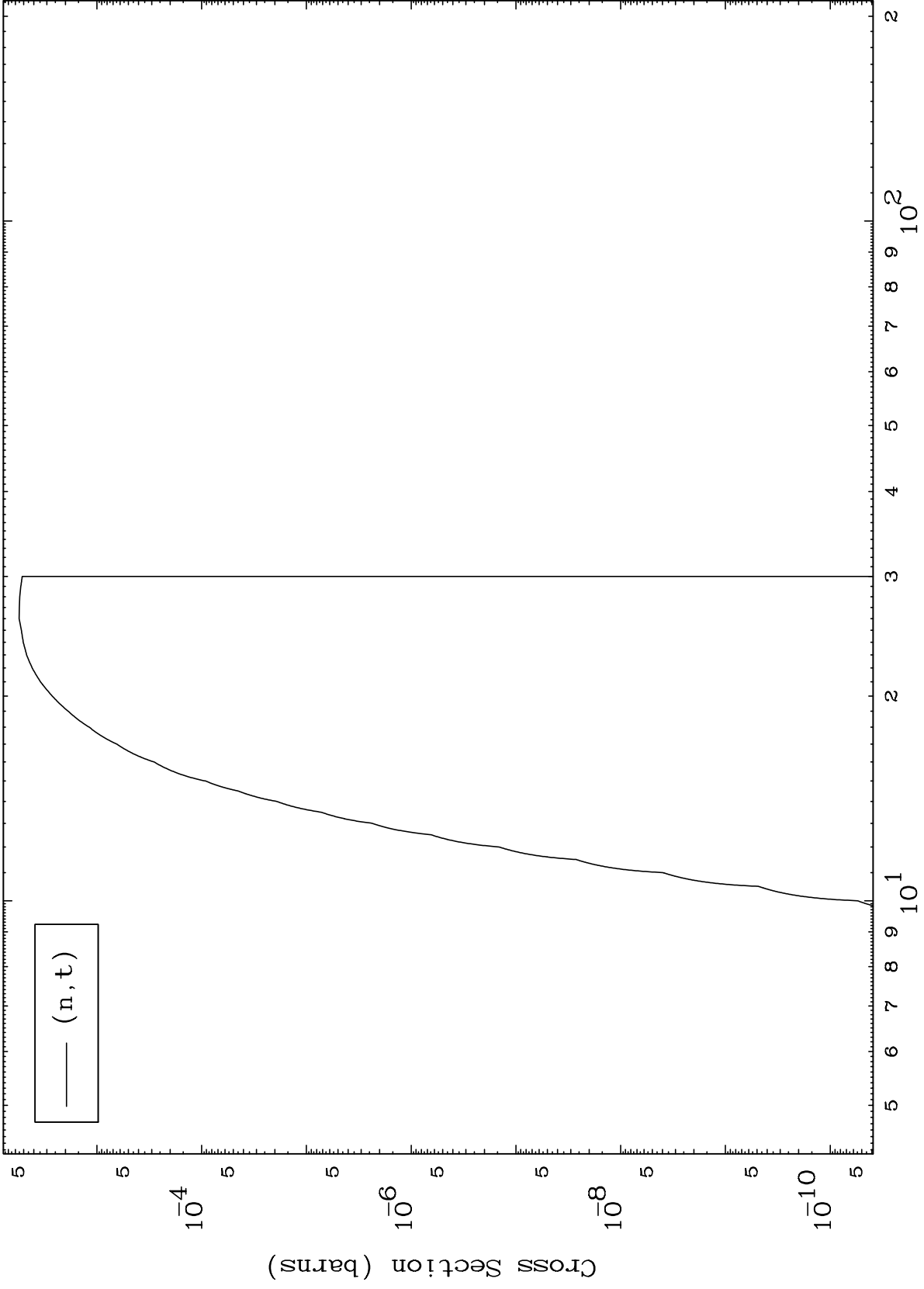
Incident Energy (MeV)

71-Lu-173

MAT 7119

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-173



13

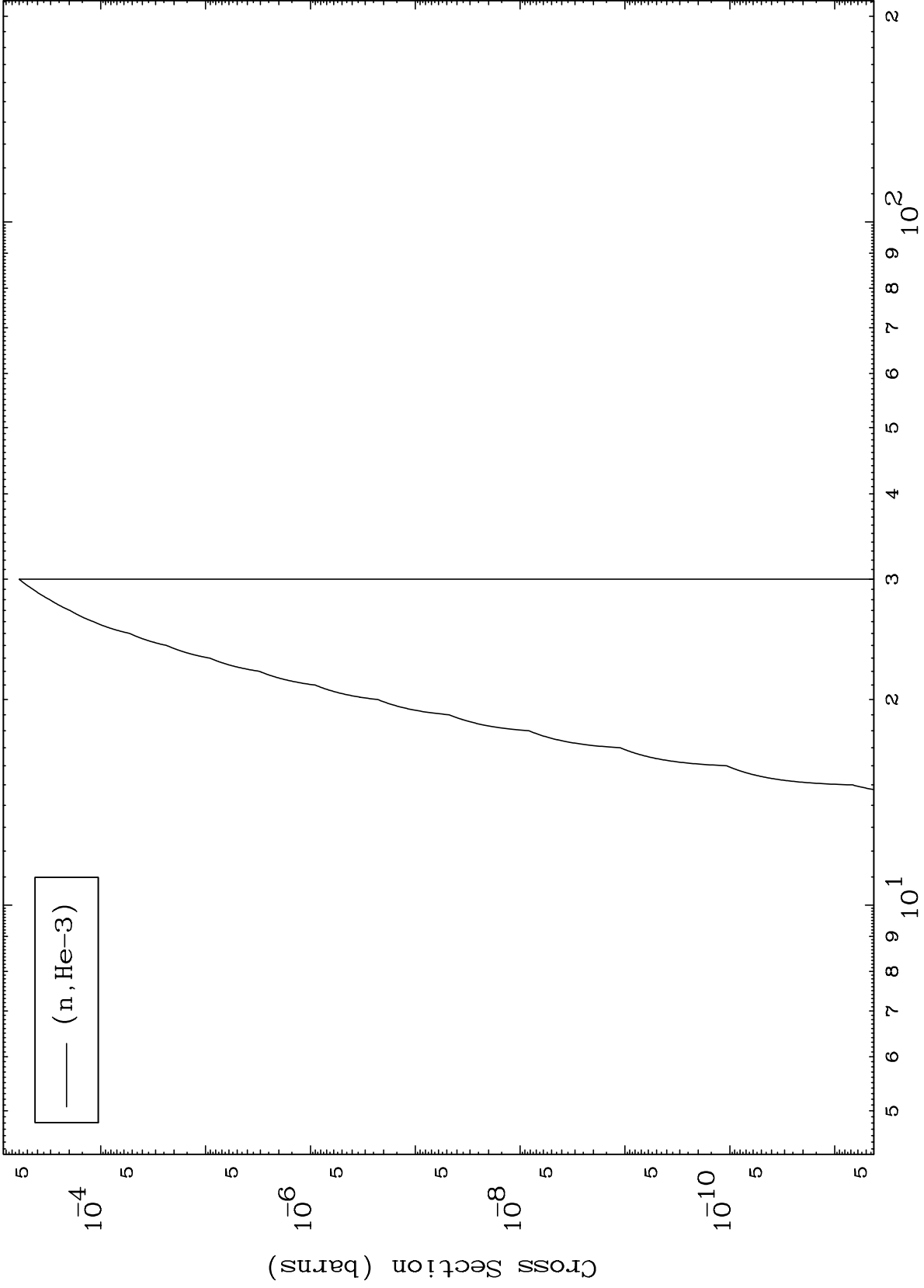
Incident Energy (MeV)

71-Lu-173

MAT 7119

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-173



14

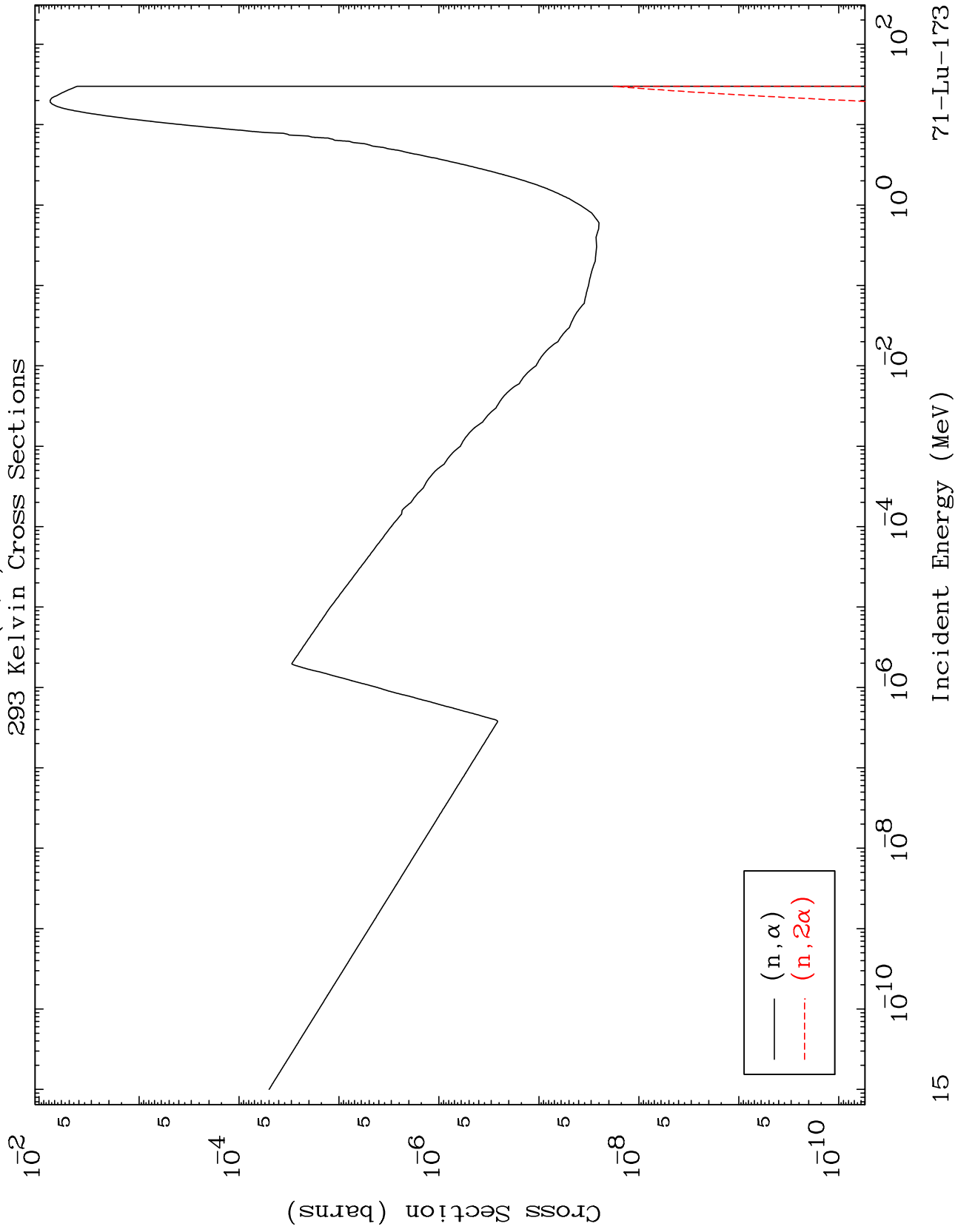
Incident Energy (MeV)

71-Lu-173

MAT 7119

(n,α) Levels  
293 Kelvin Cross Sections

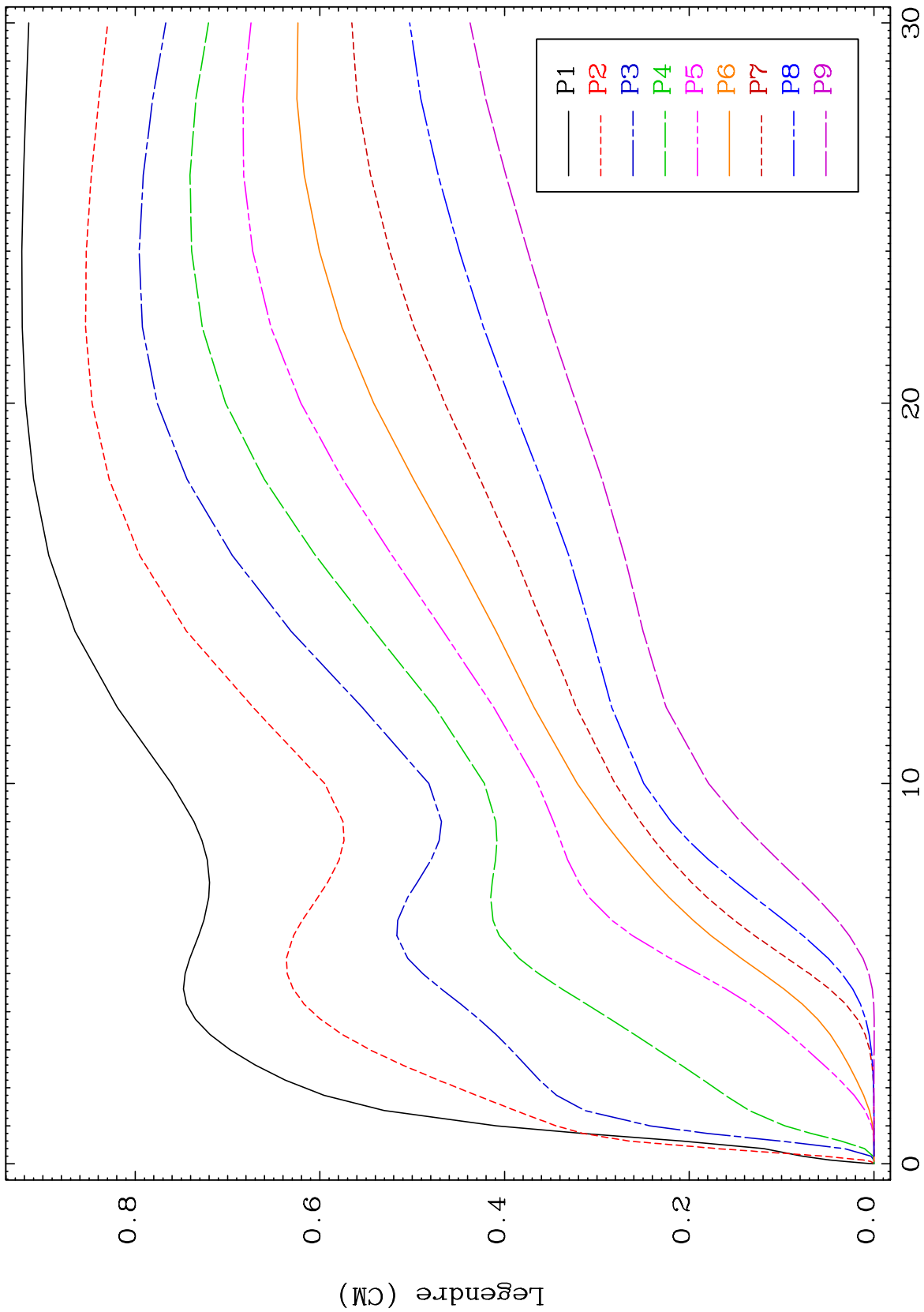
71-Lu-173



MAT 7119

71-Lu-173

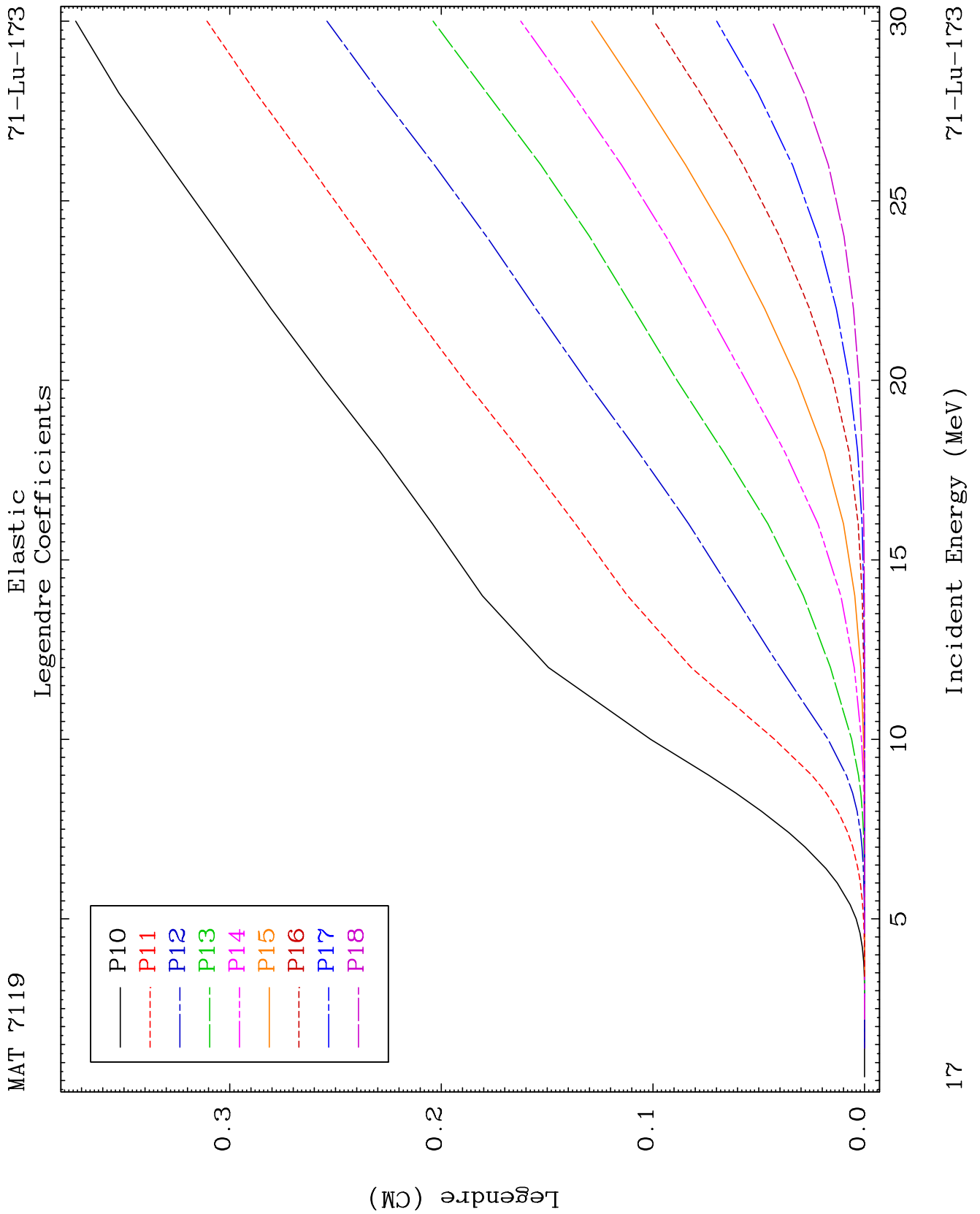
Elastic Legendre Coefficients



16

Incident Energy (MeV)

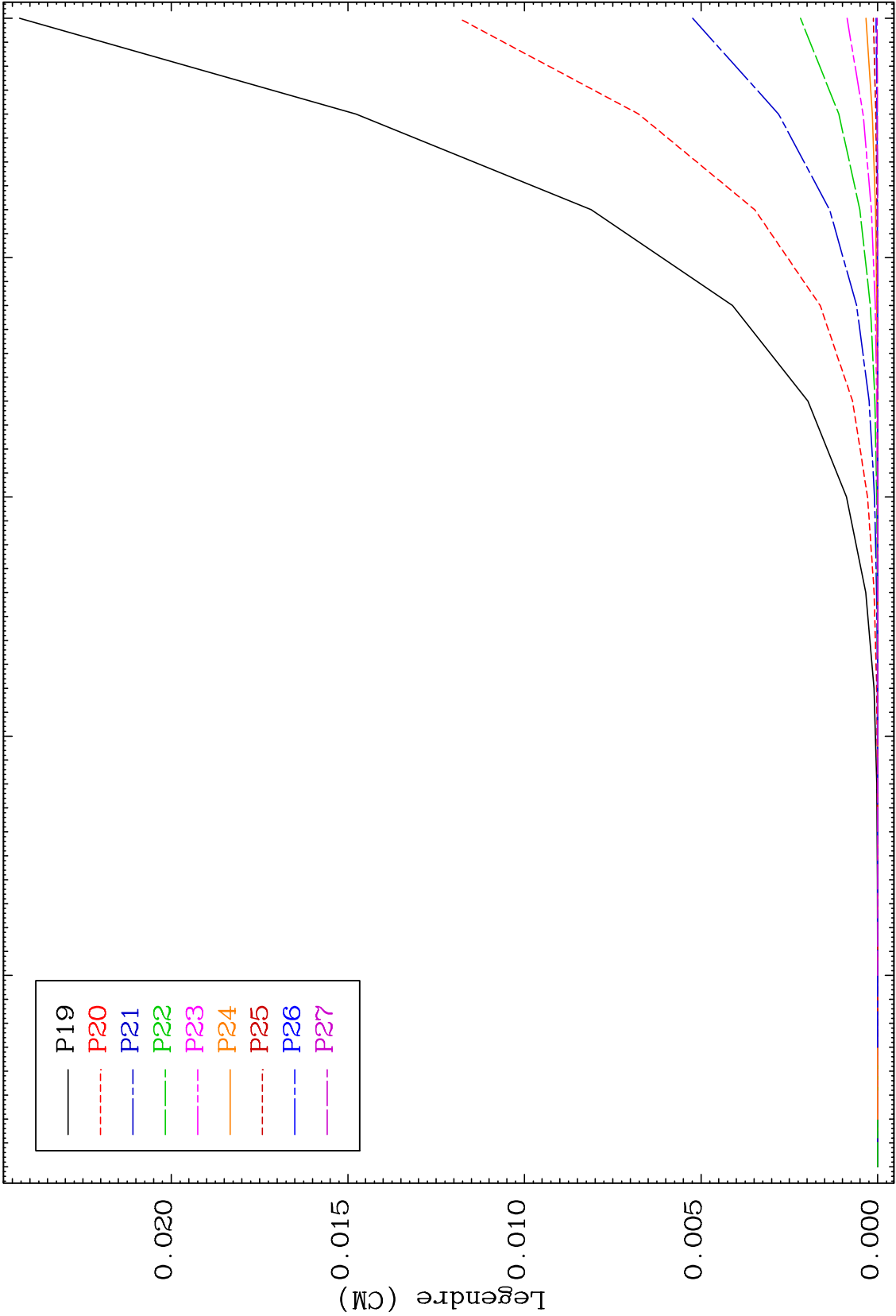
71-Lu-173



MAT 7119

### Elastic Legendre Coefficients

71-Lu-173



18

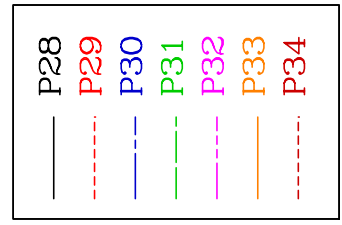
Incident Energy (MeV)

71-Lu-173

MAT 7119

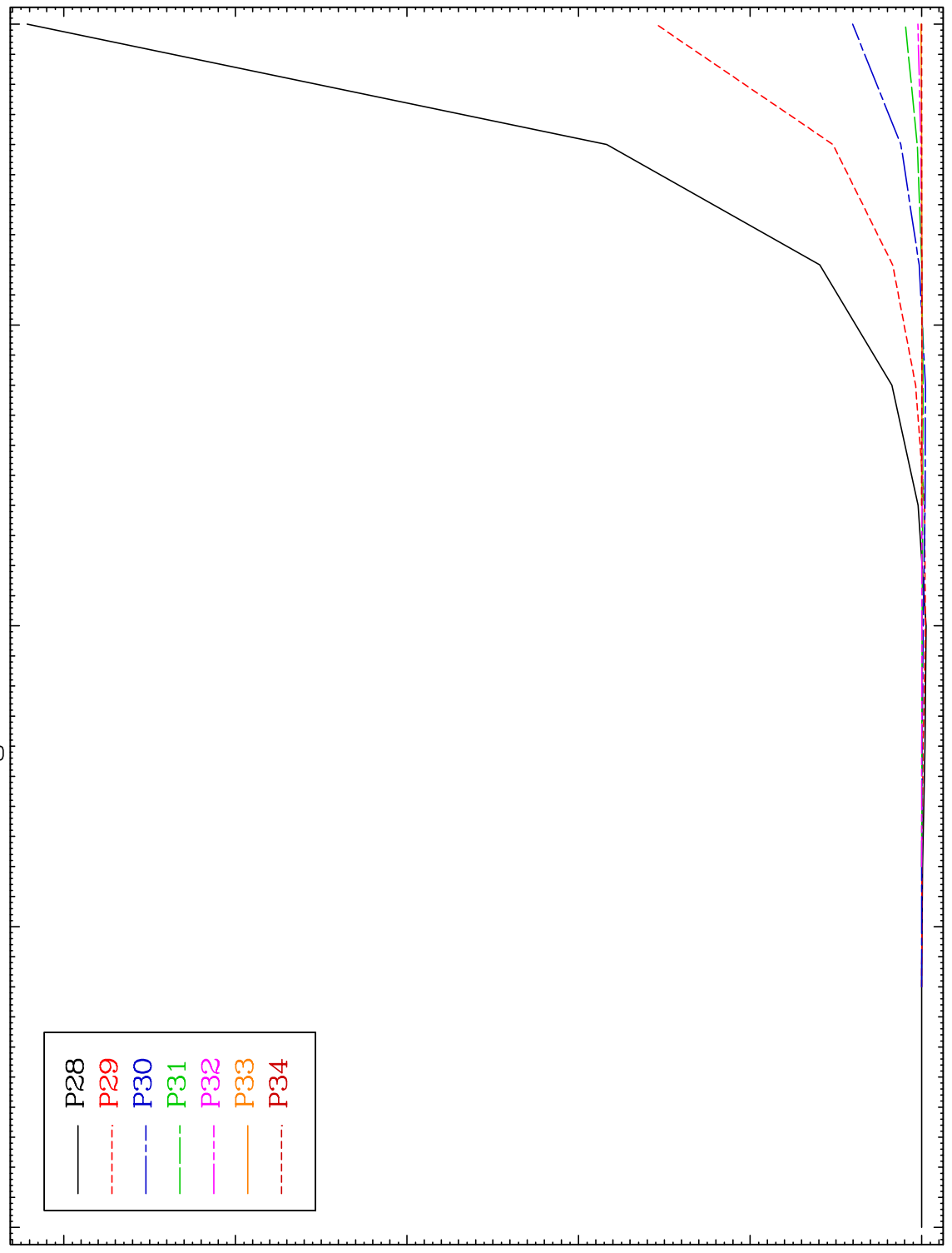
Elastic Legendre Coefficients

71-Lu-173



$\times 10^{-65}$

Legendre (CM)



10

15

20

25

30

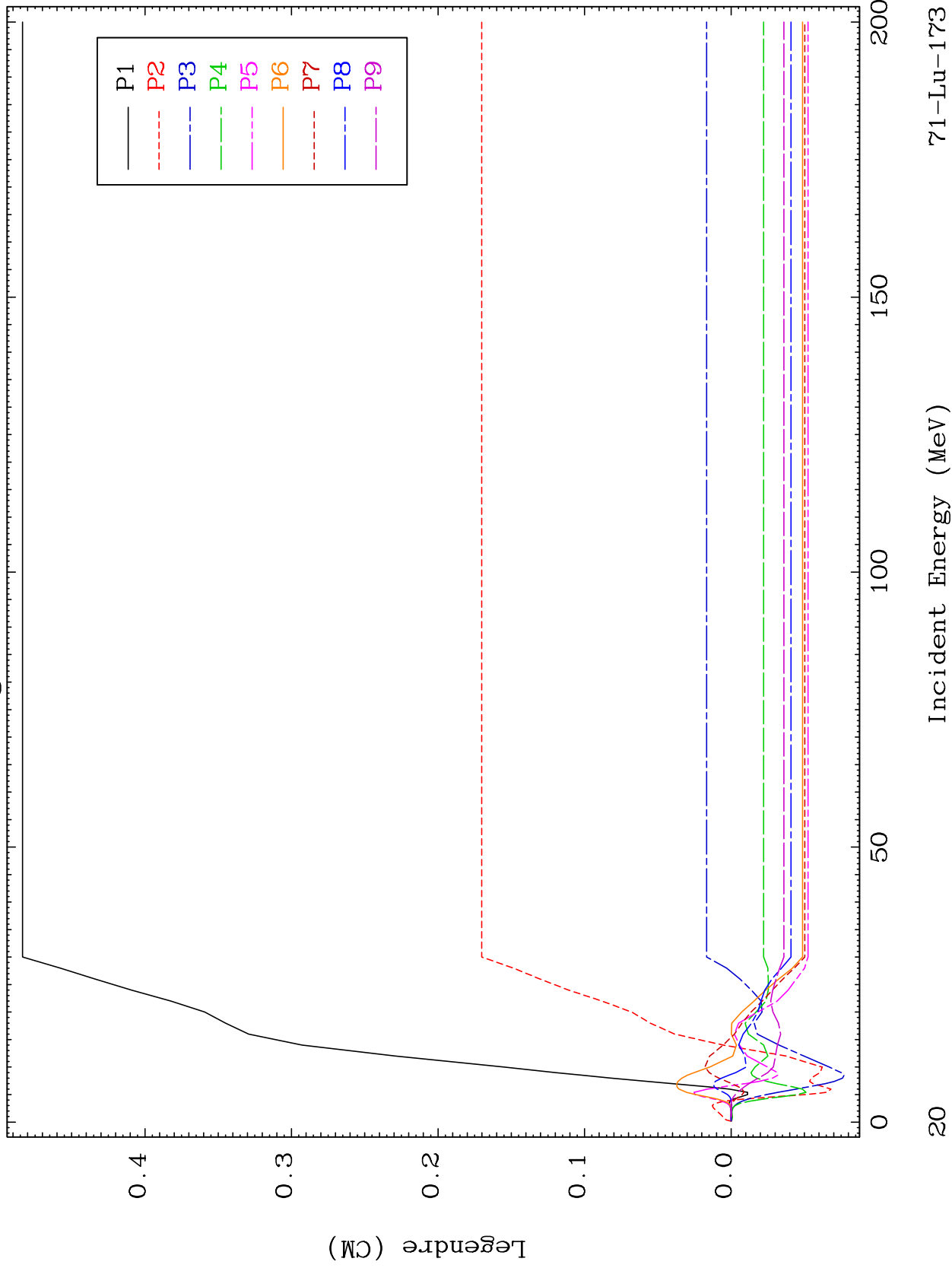
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



71-Lu-173

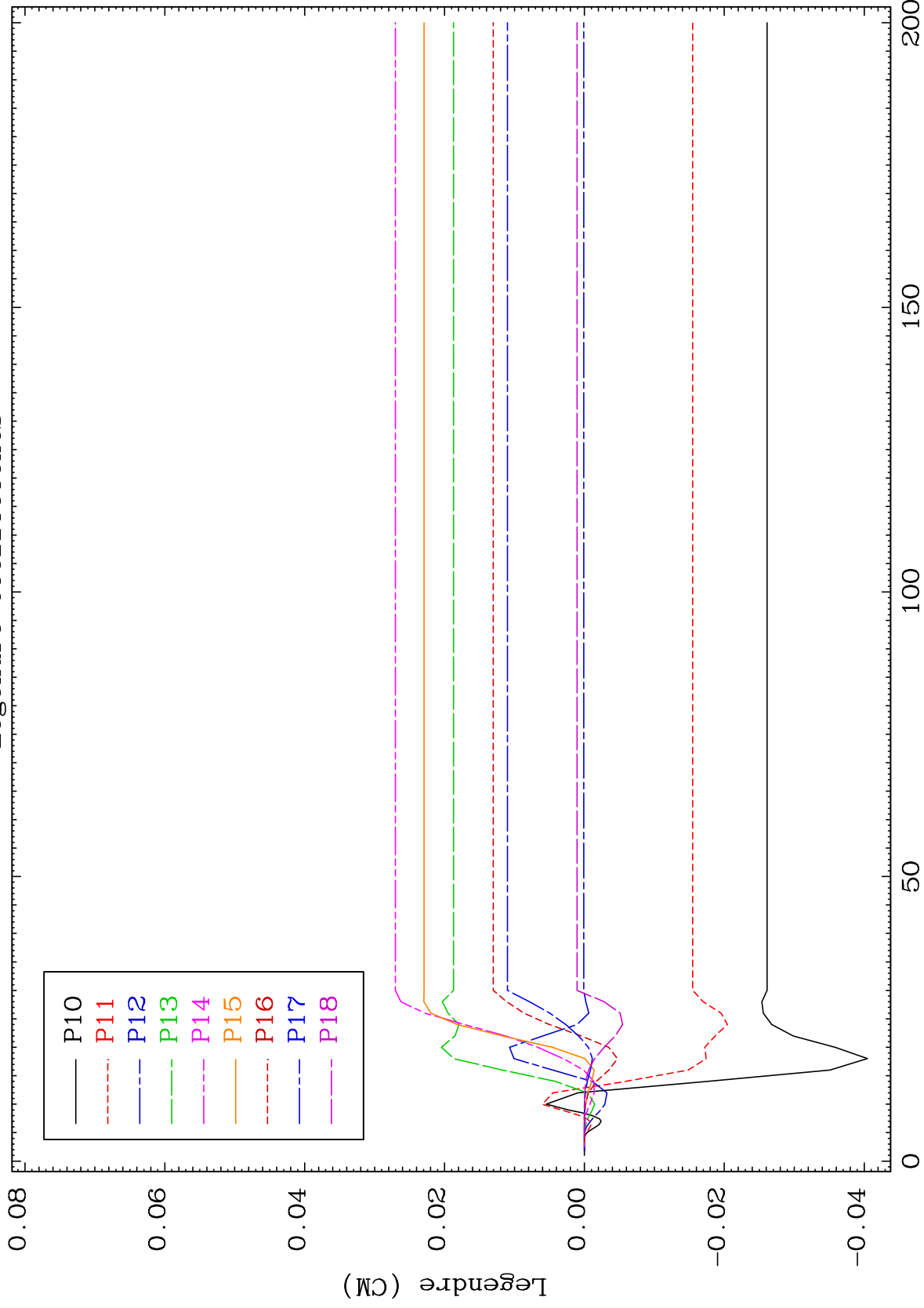
Incident Energy (MeV)

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MAT 7119

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

71-Lu-173



21

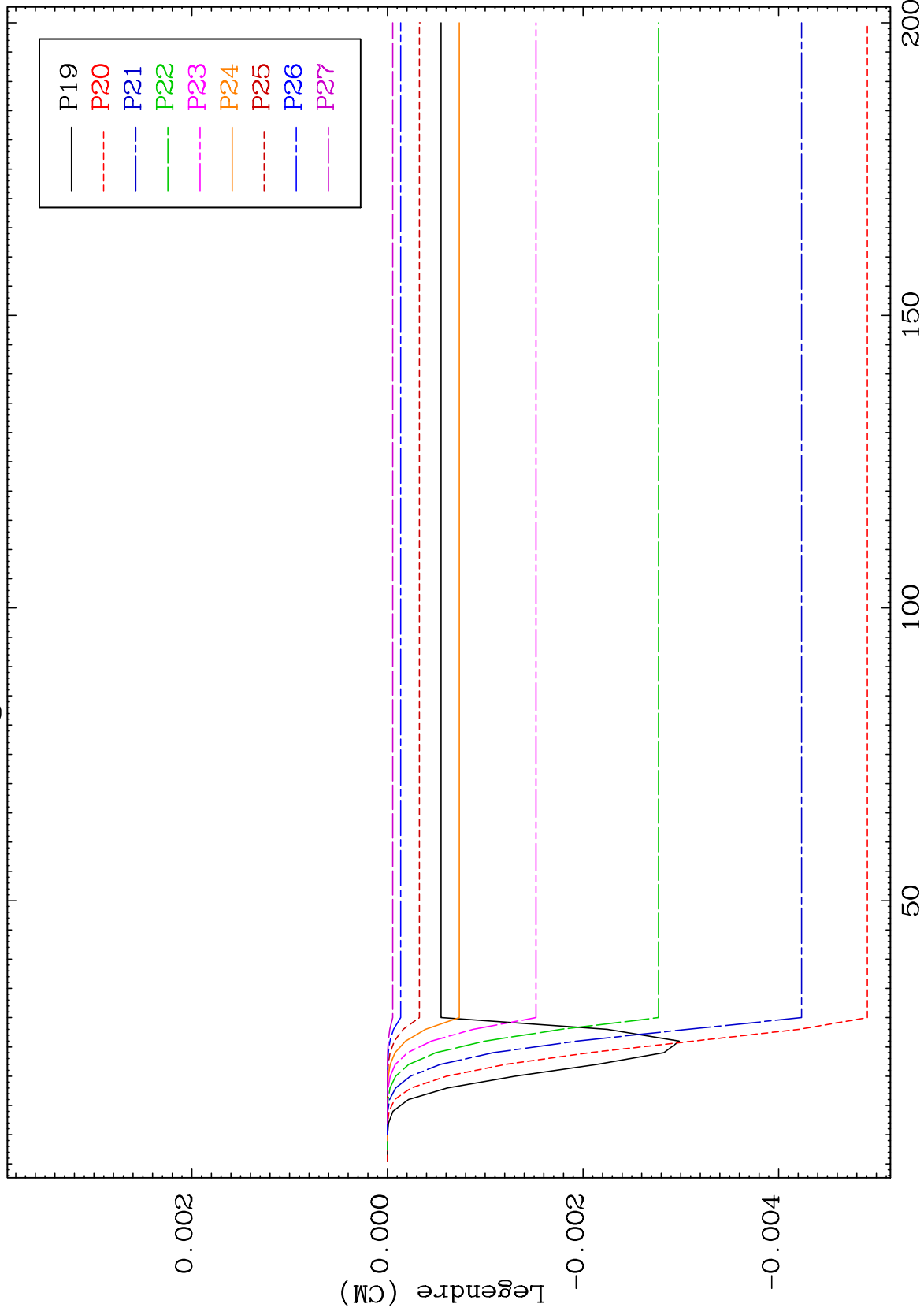
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

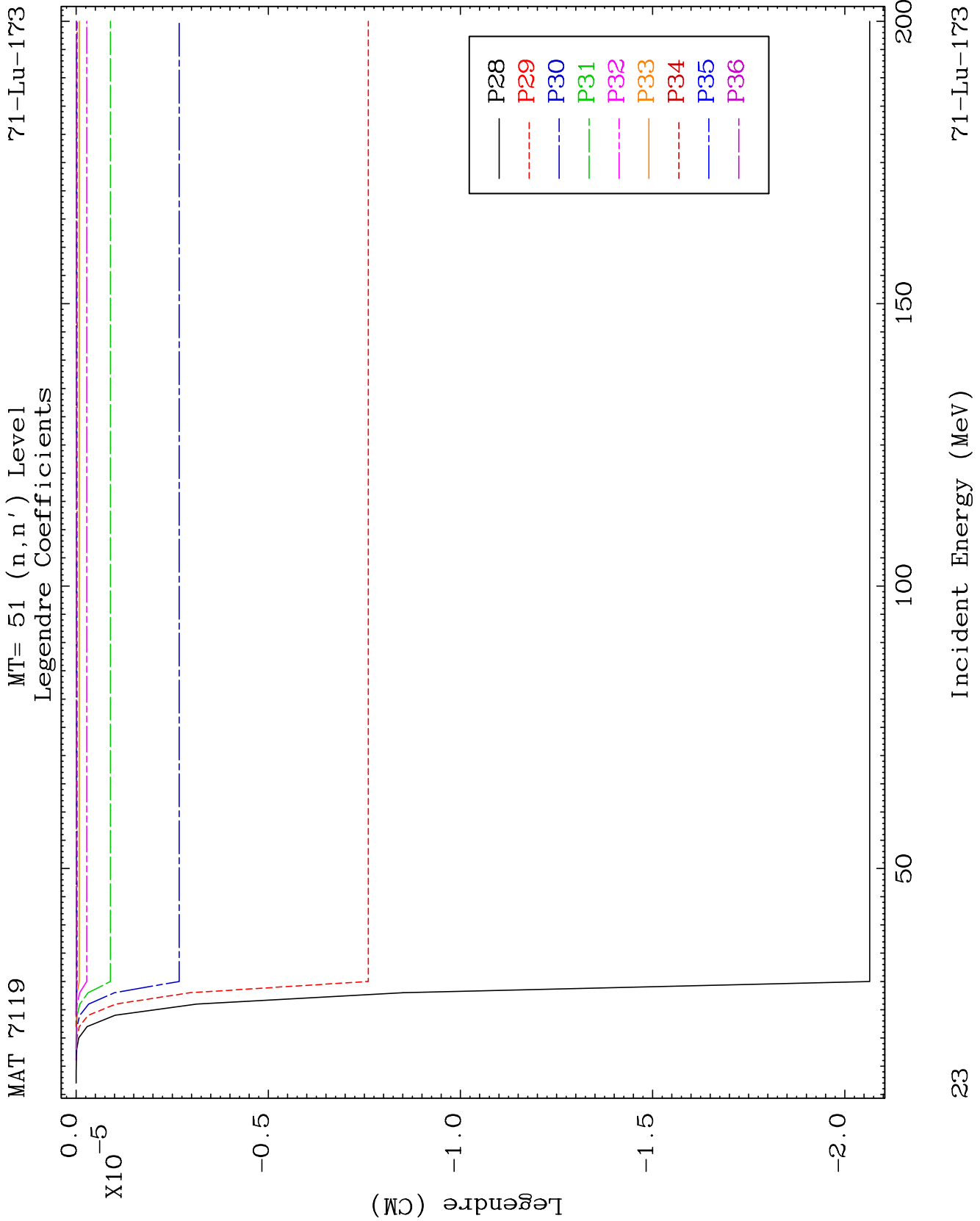
71-Lu-173



22

Incident Energy (MeV)

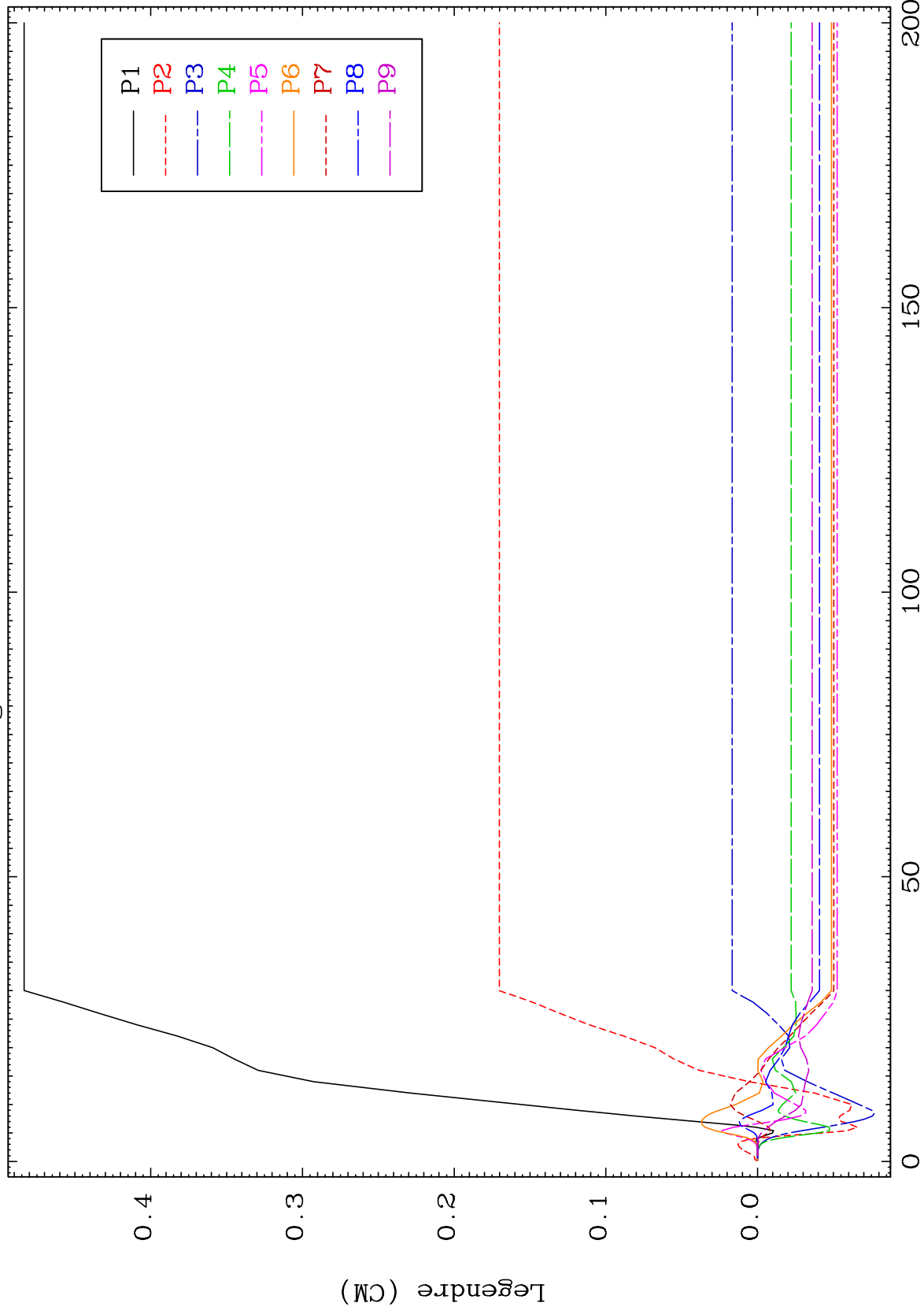
71-Lu-173



MAT 7119

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

71-Lu-173



24

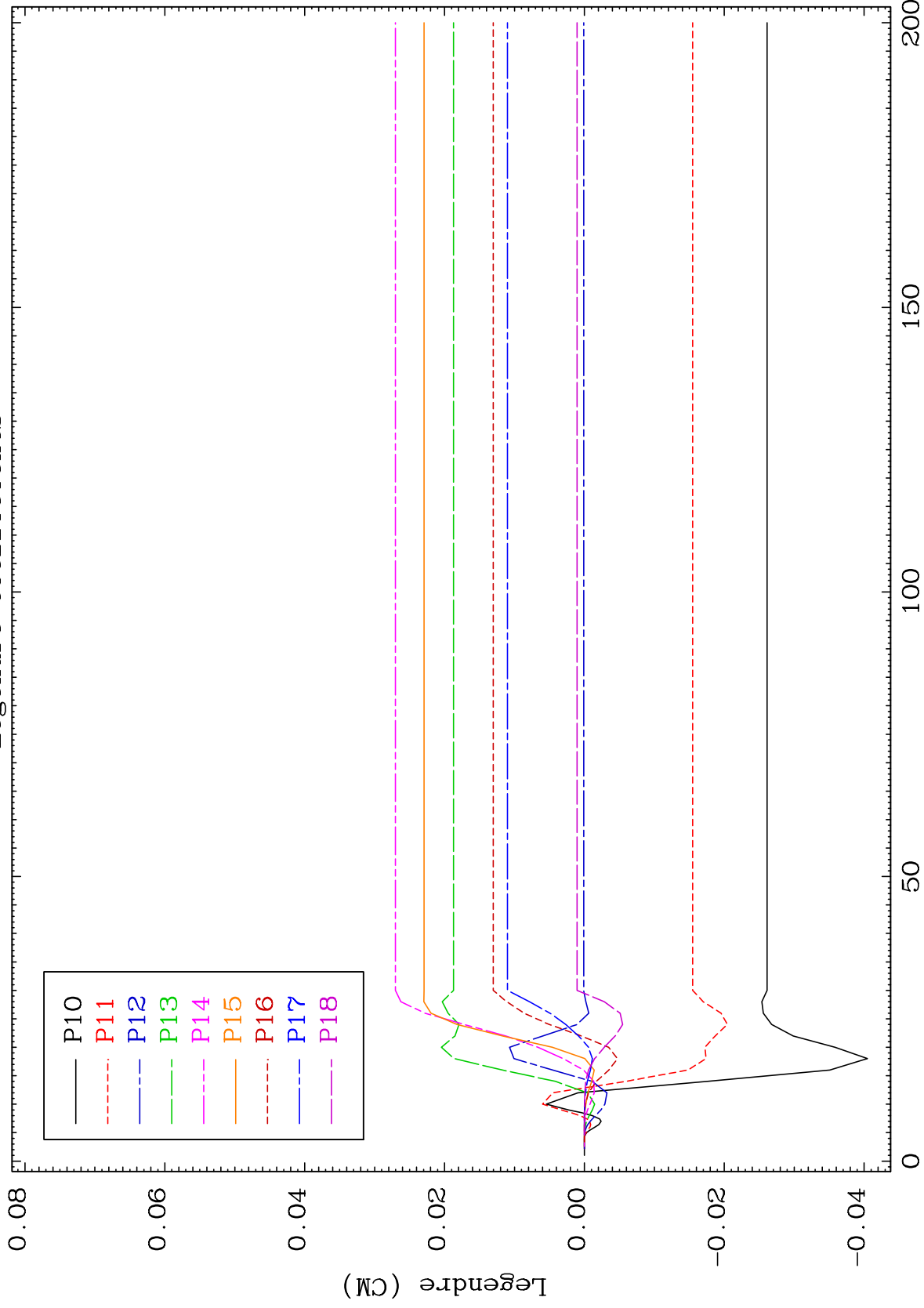
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

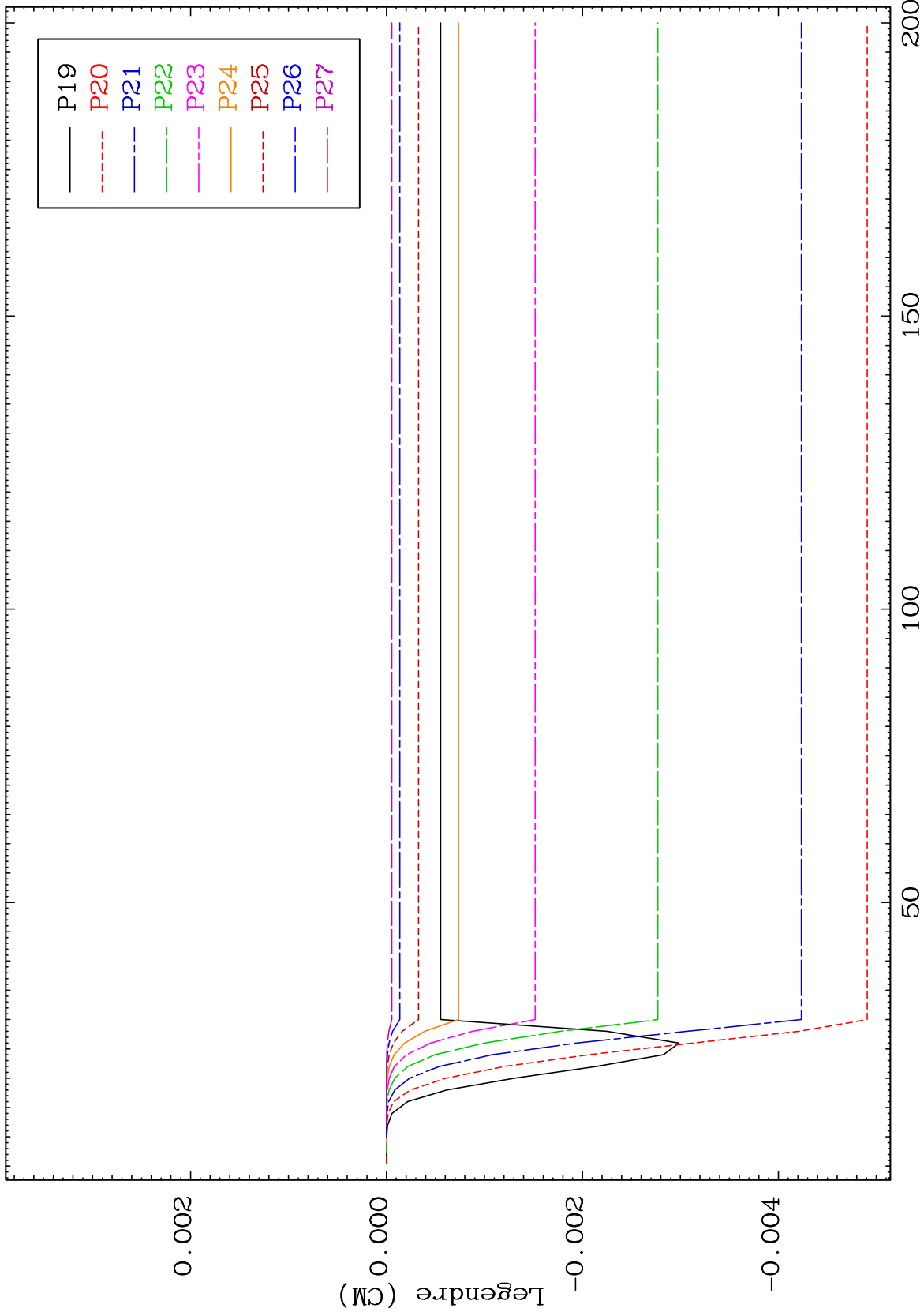
71-Lu-173

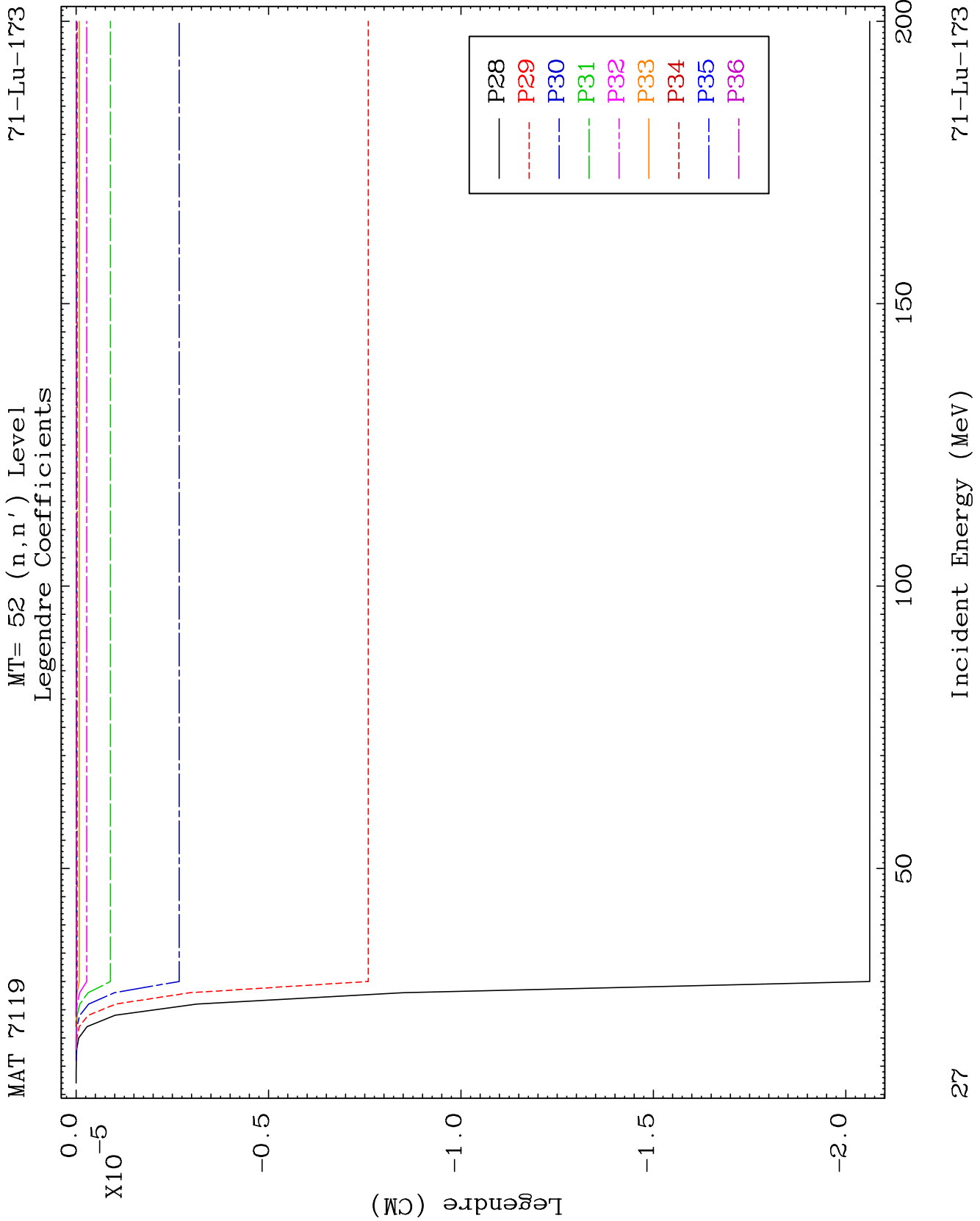


71-Lu-173

Incident Energy (MeV)

25

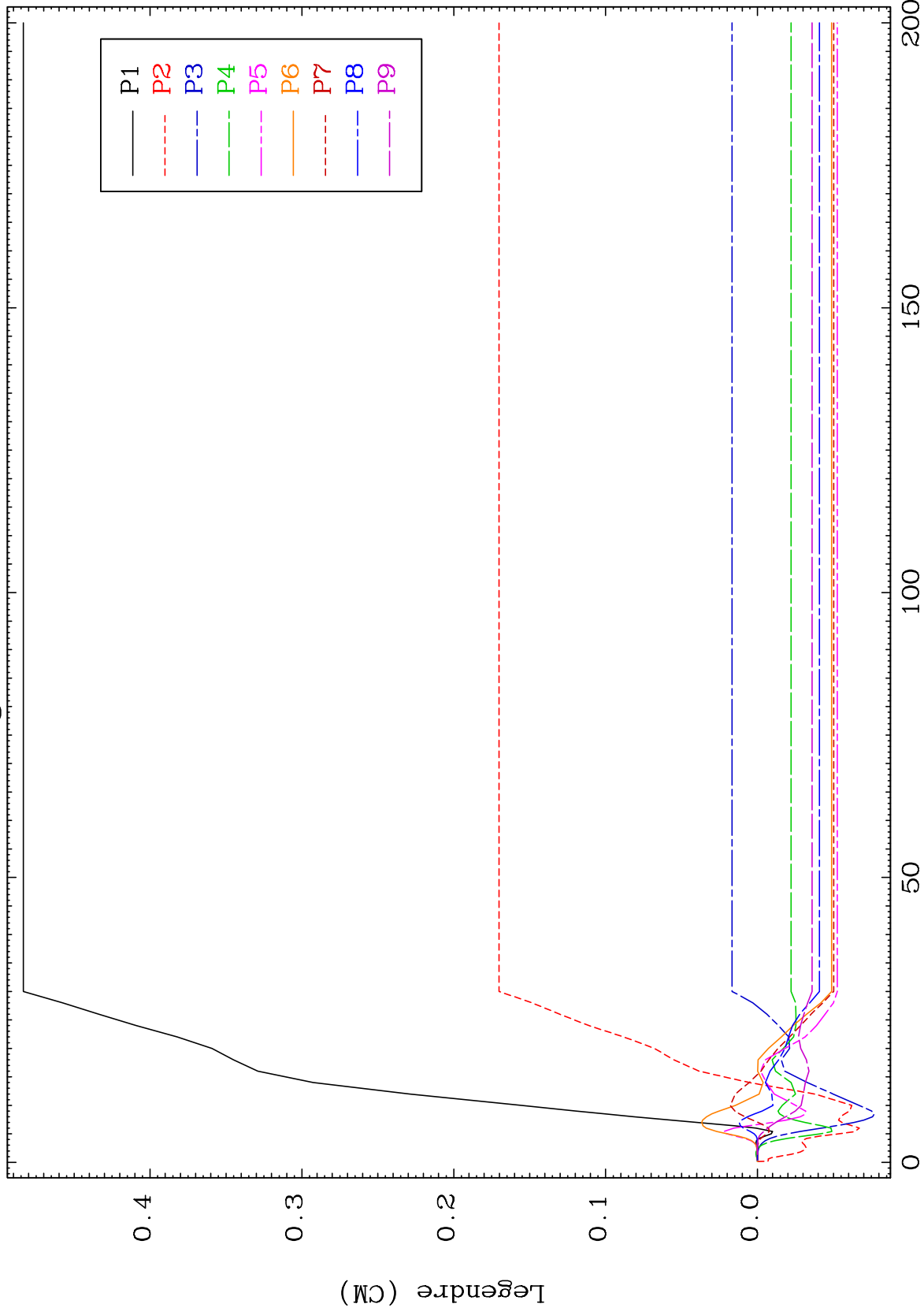




MAT 7119

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

71-Lu-173



28

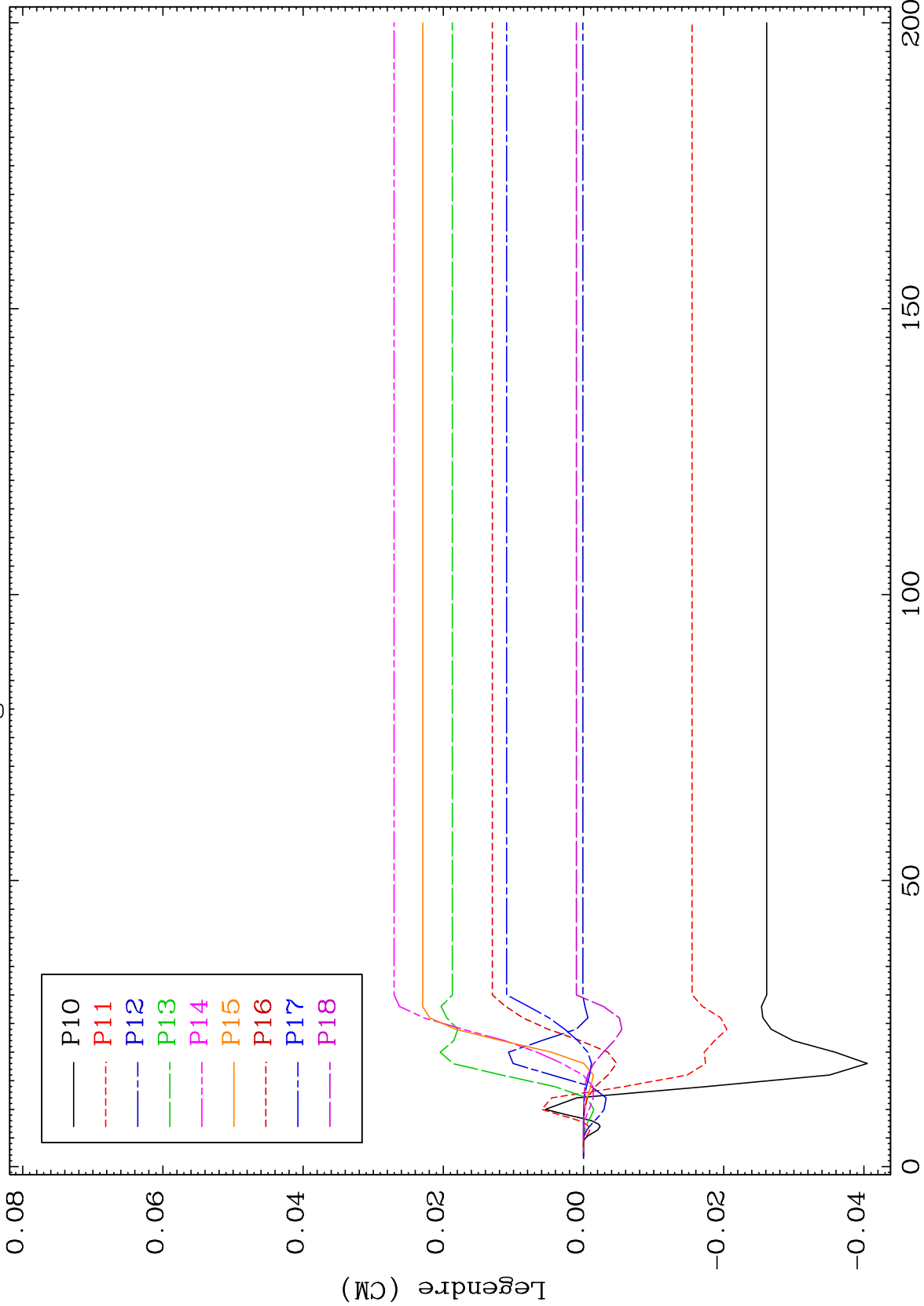
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



29

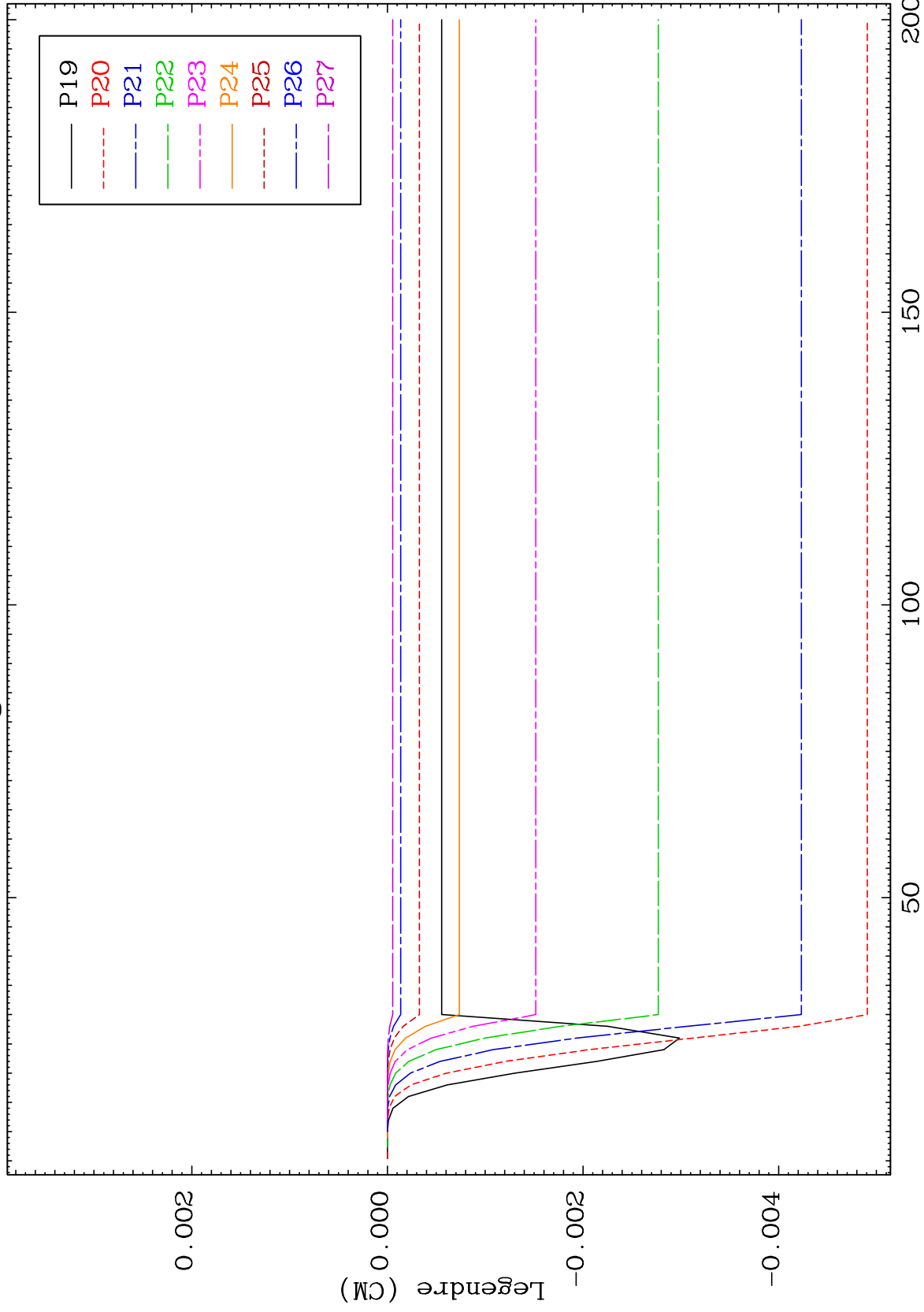
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

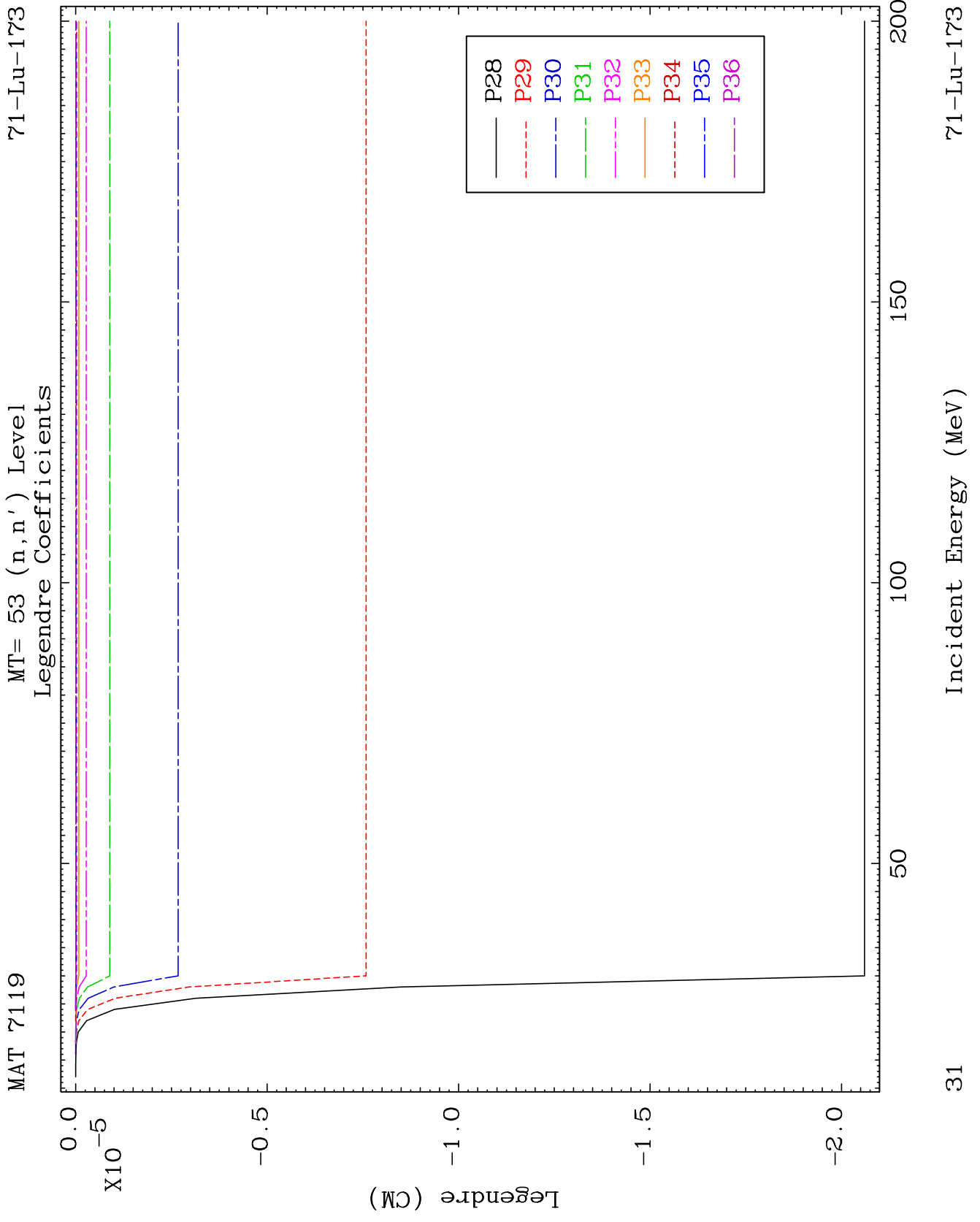
71-Lu-173



30

Incident Energy (MeV)

71-Lu-173

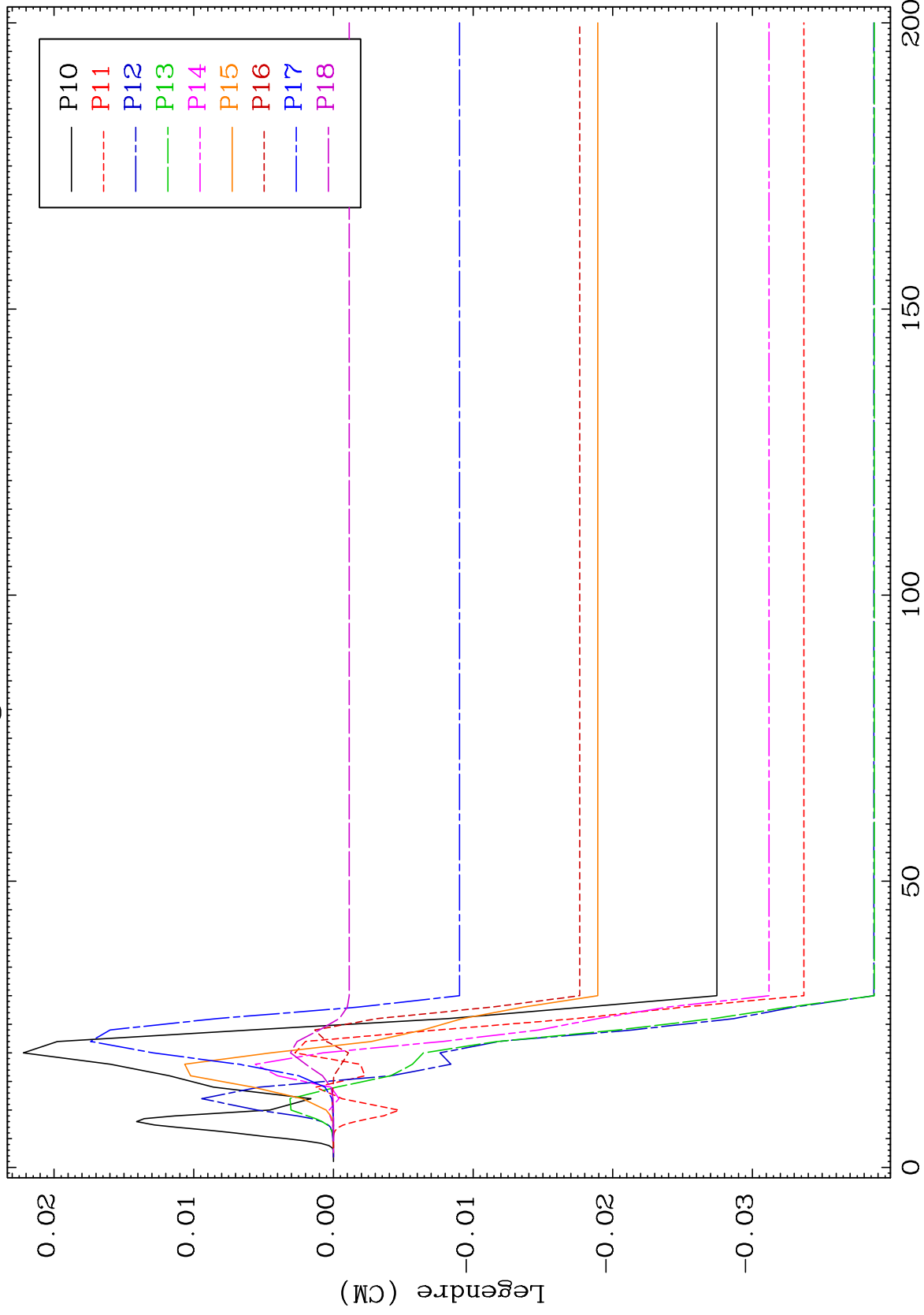




MAT 7119

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

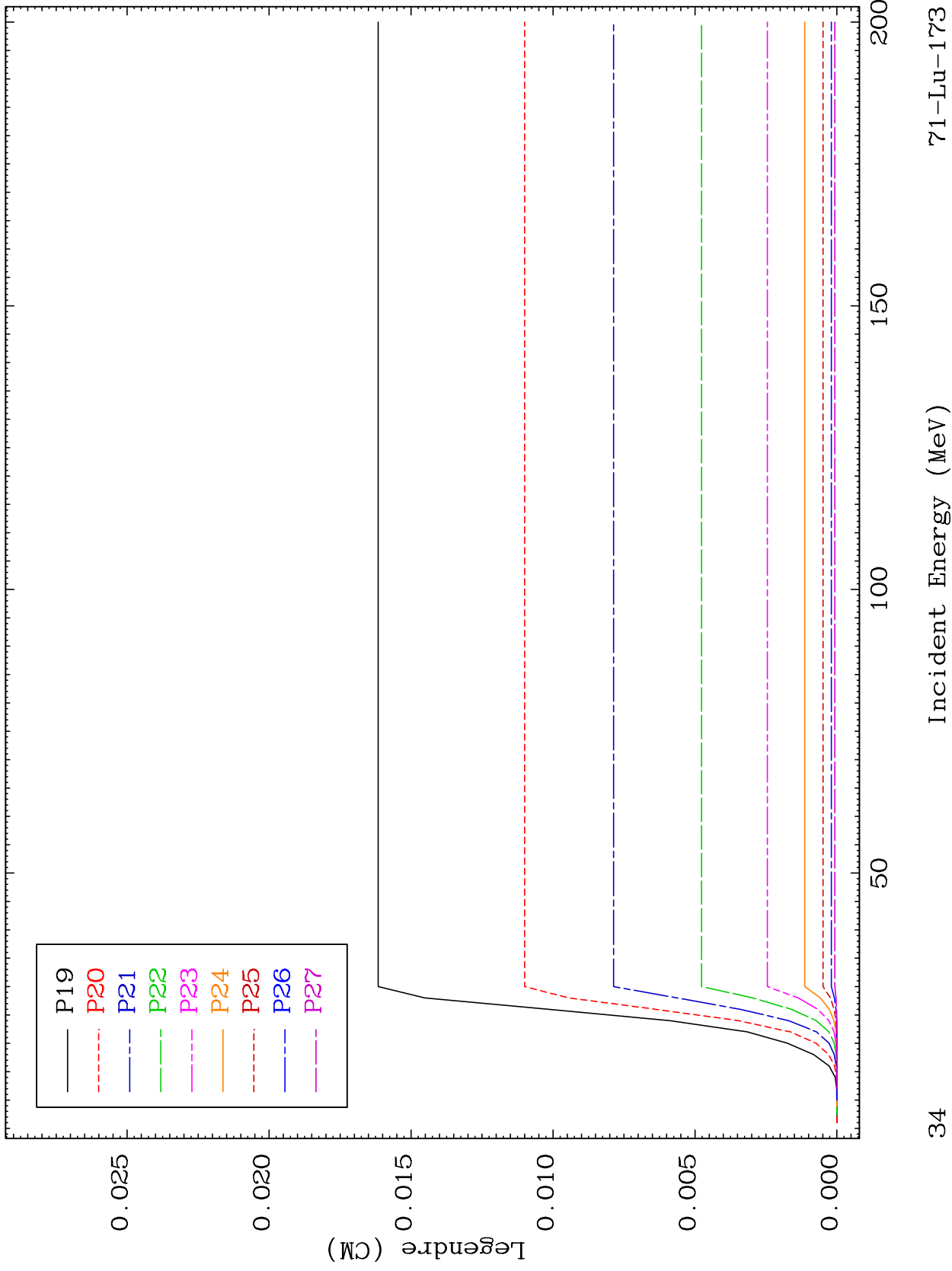
71-Lu-173



33

Incident Energy (MeV)

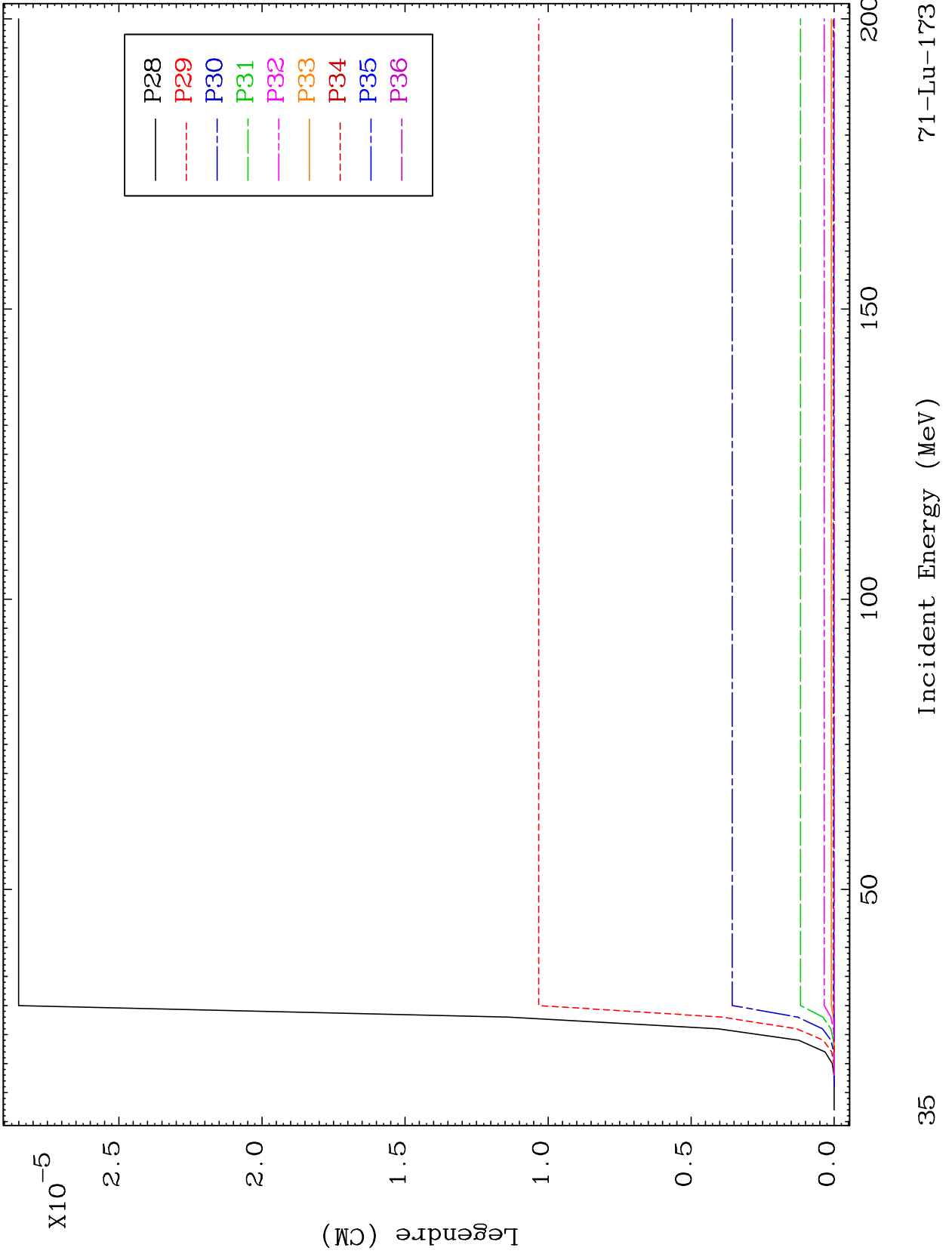
71-Lu-173



MAT 7119

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

71-Lu-173



35

Incident Energy (MeV)

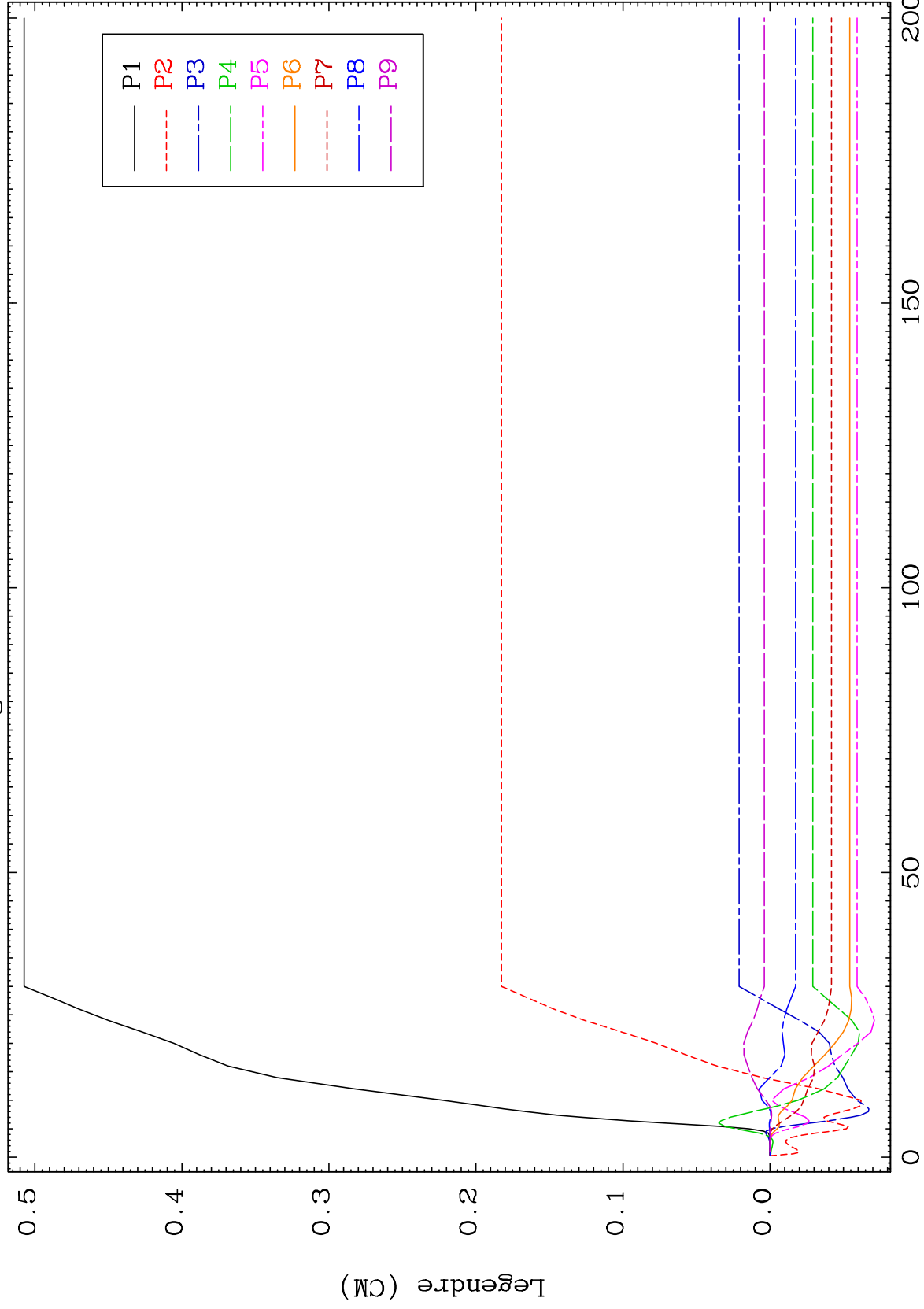
71-Lu-173

MAT 7119

MT= 55 (n,n') Level

71-Lu-173

Legendre Coefficients



36

Incident Energy (MeV)

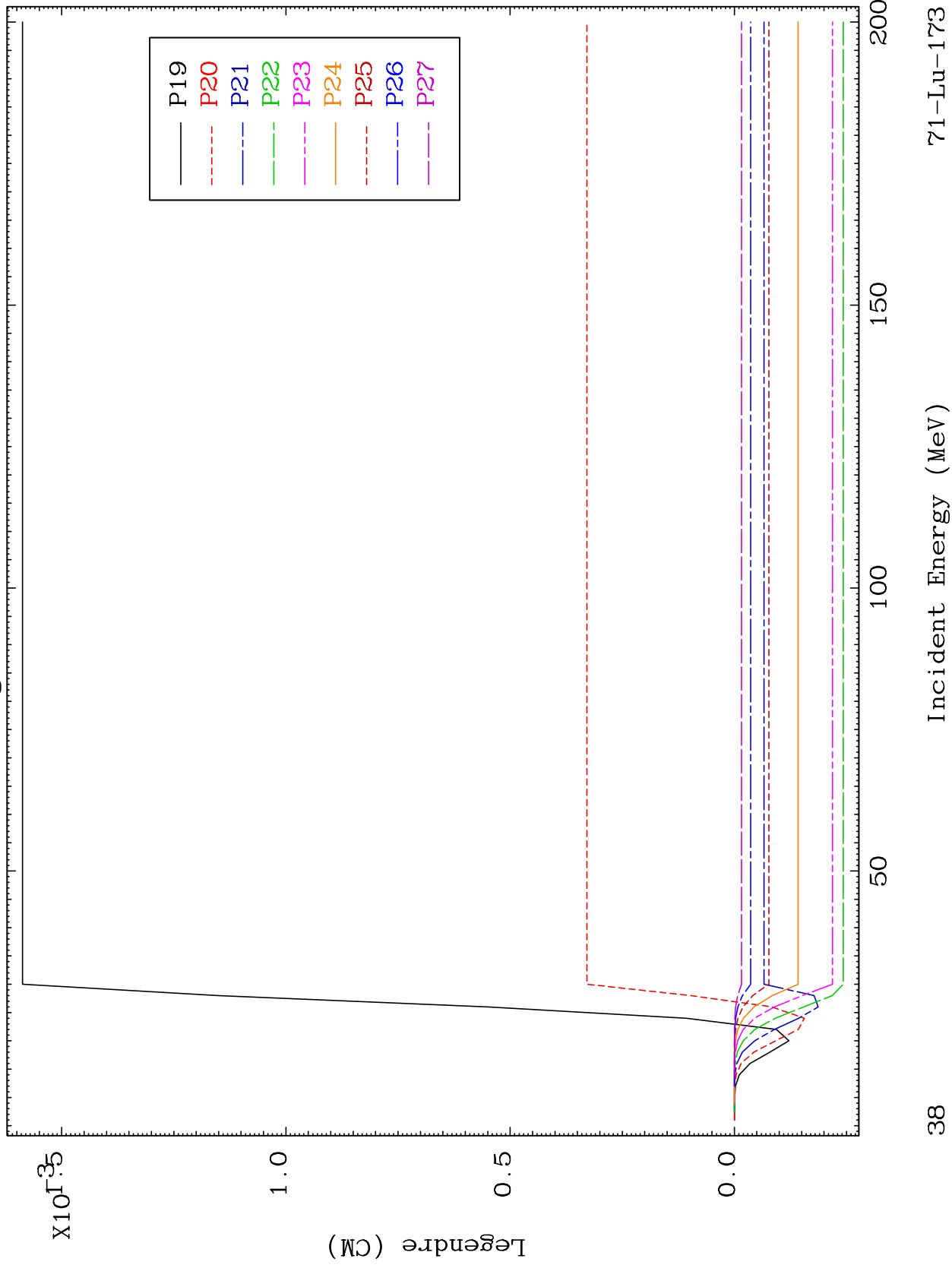
71-Lu-173



MAT 7119

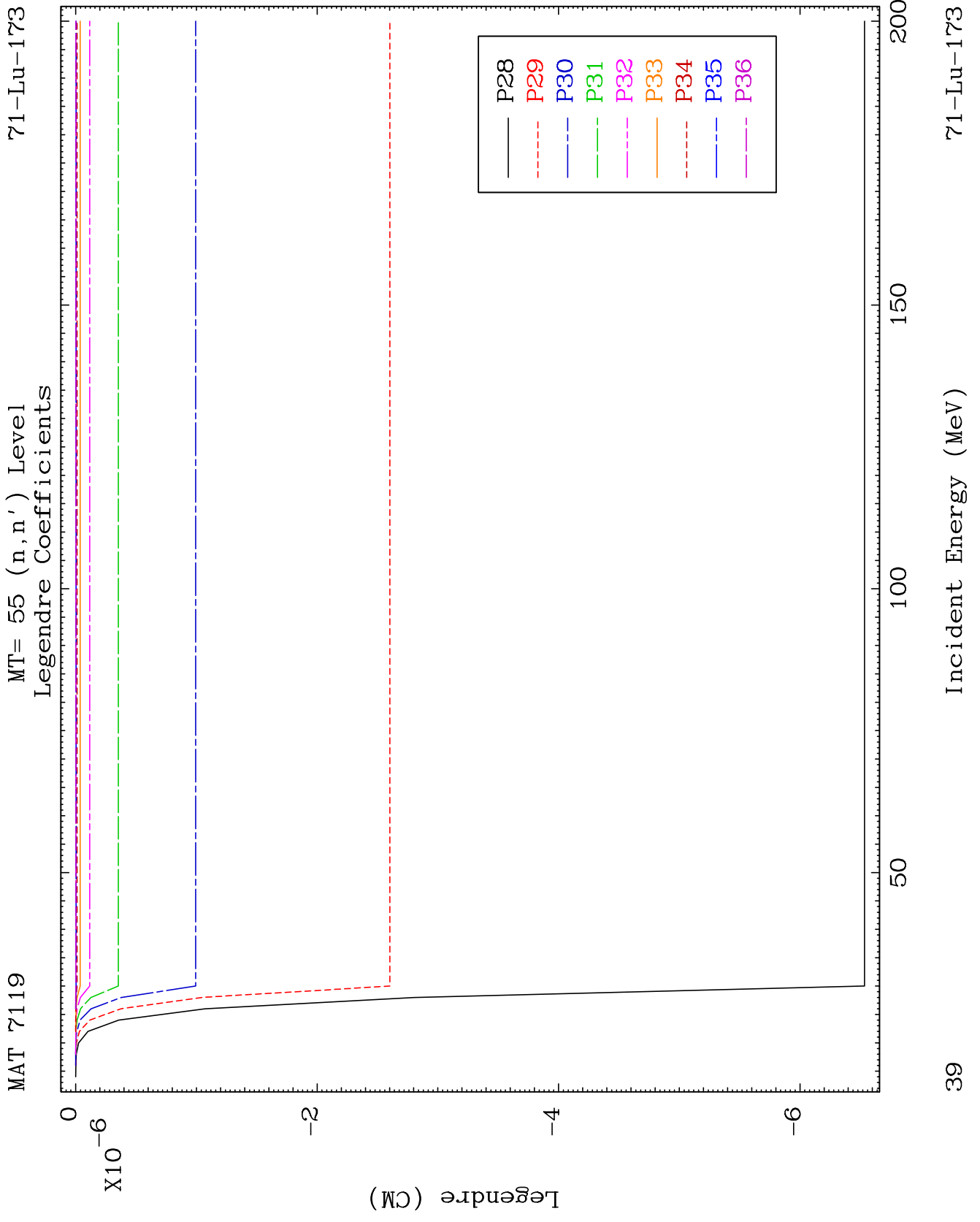
MT= 55 (n,n') Level  
Legendre Coefficients

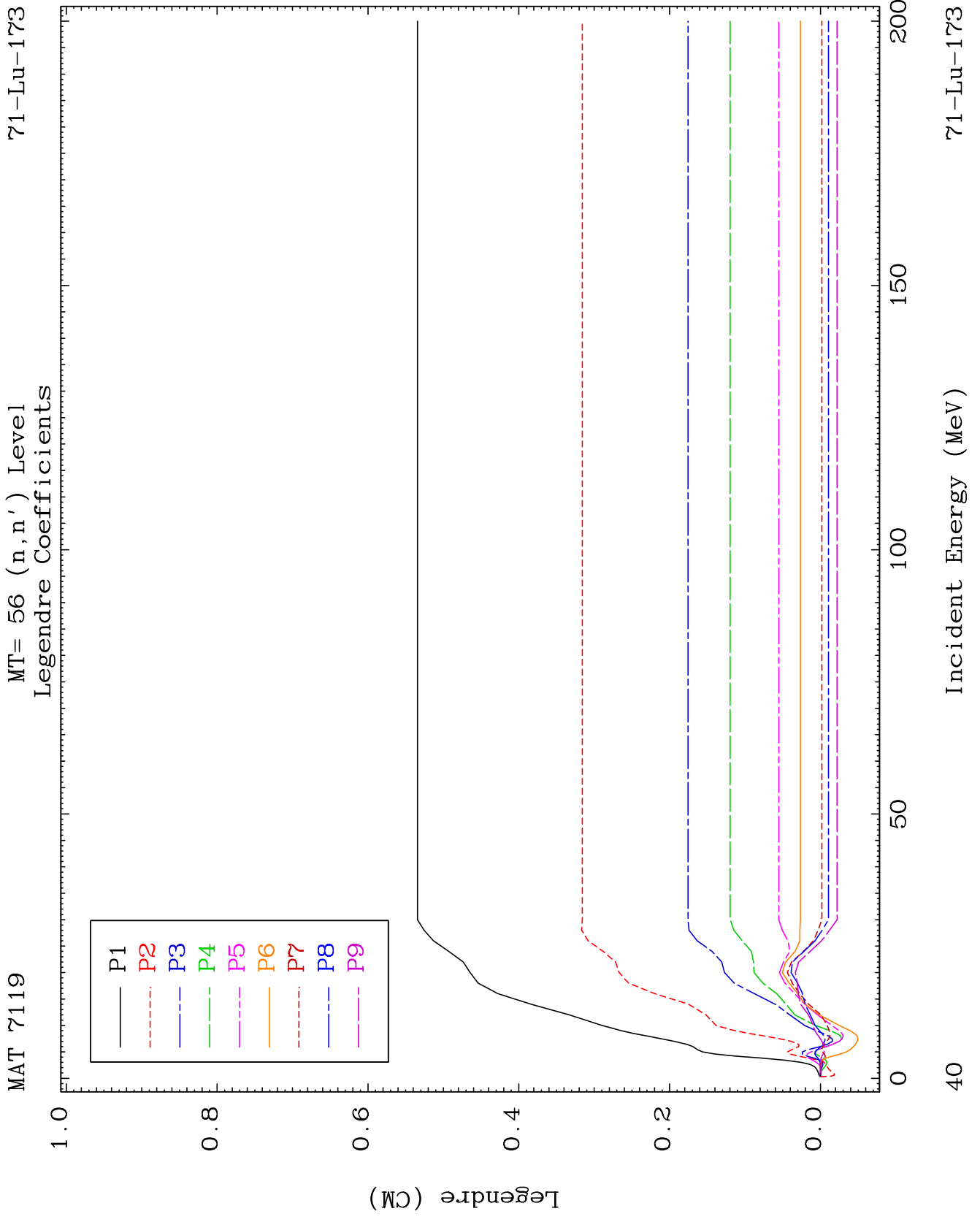
71-Lu-173



38

71-Lu-173

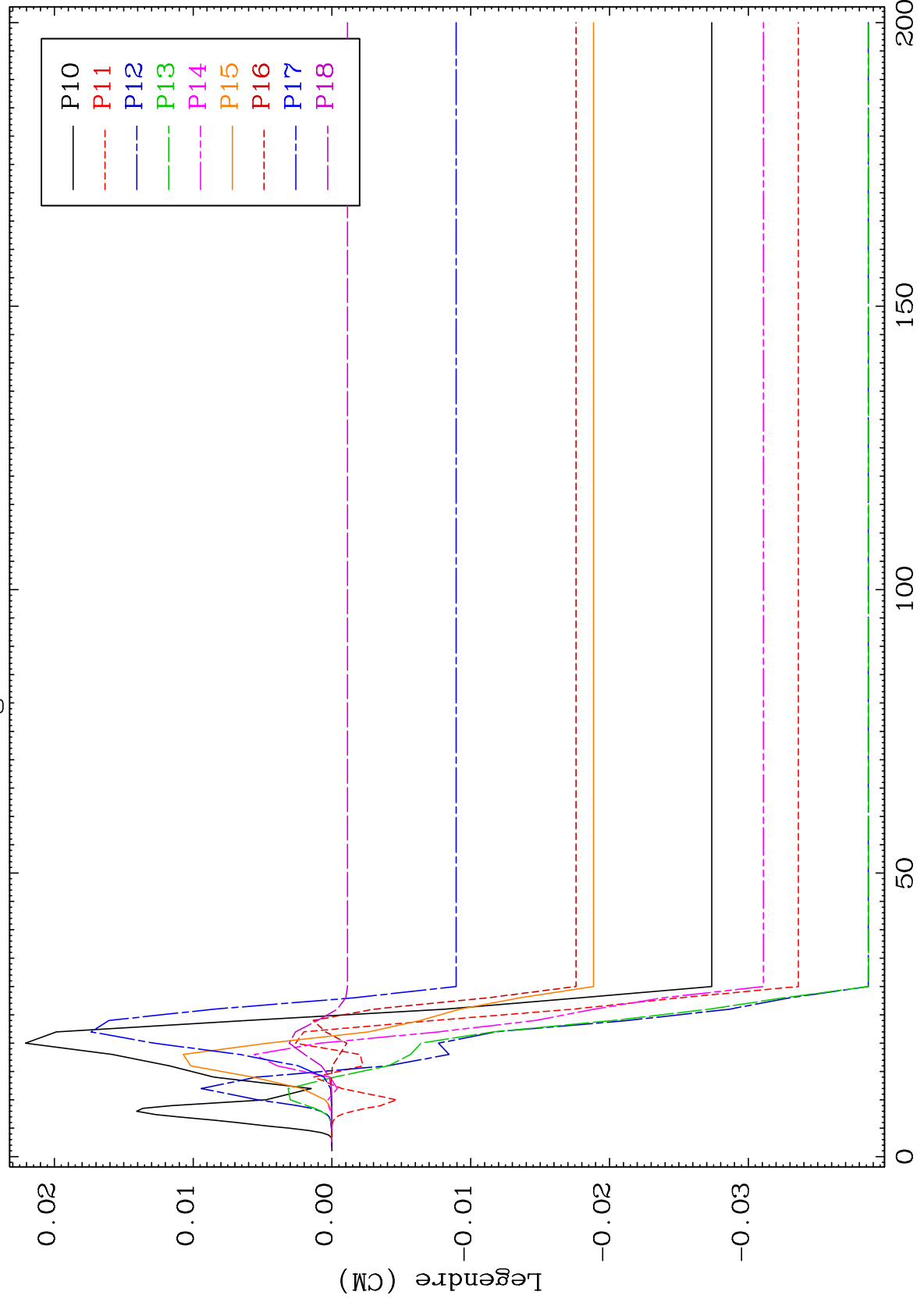




MAT 7119

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

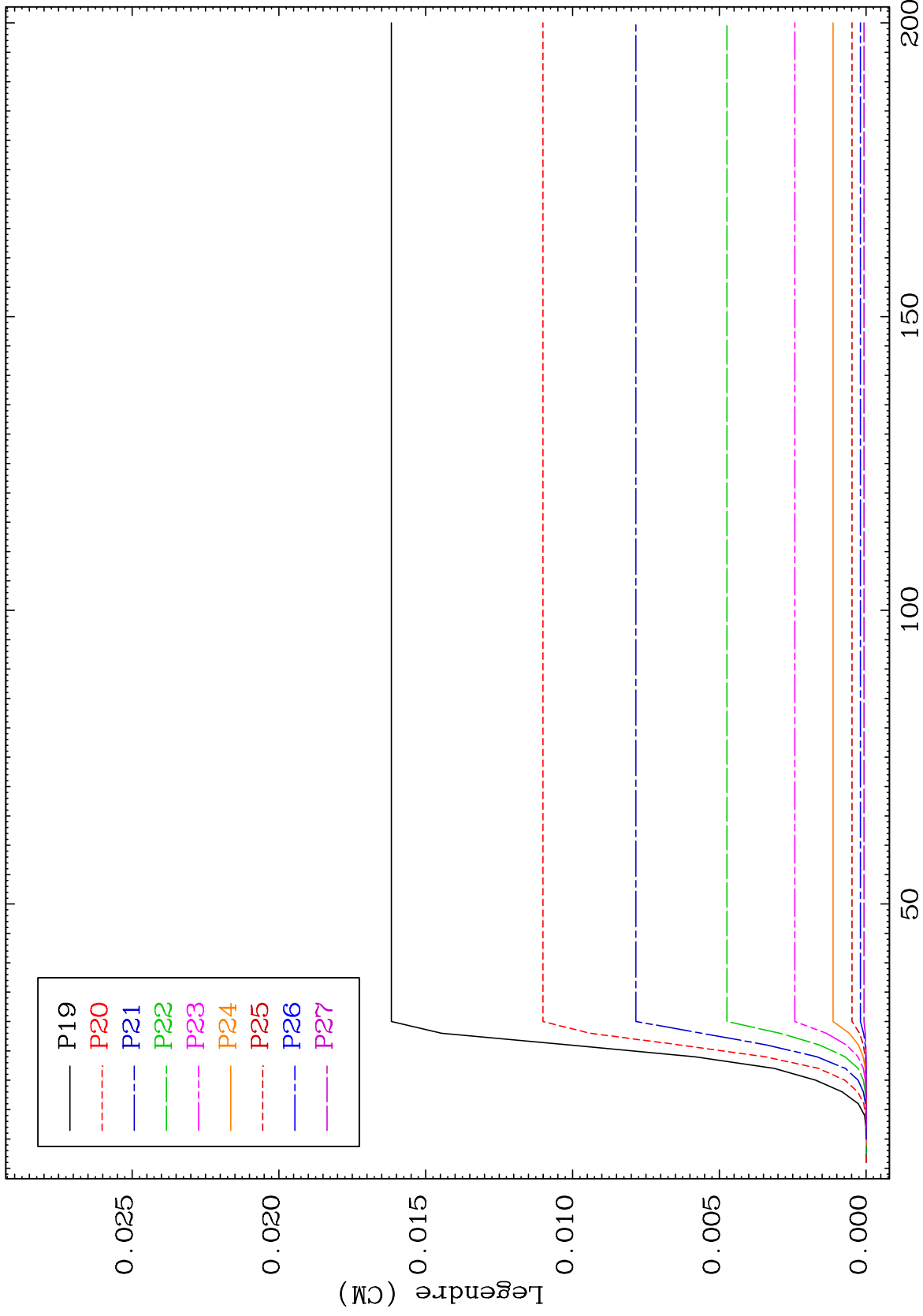
71-Lu-173



41

Incident Energy (MeV)

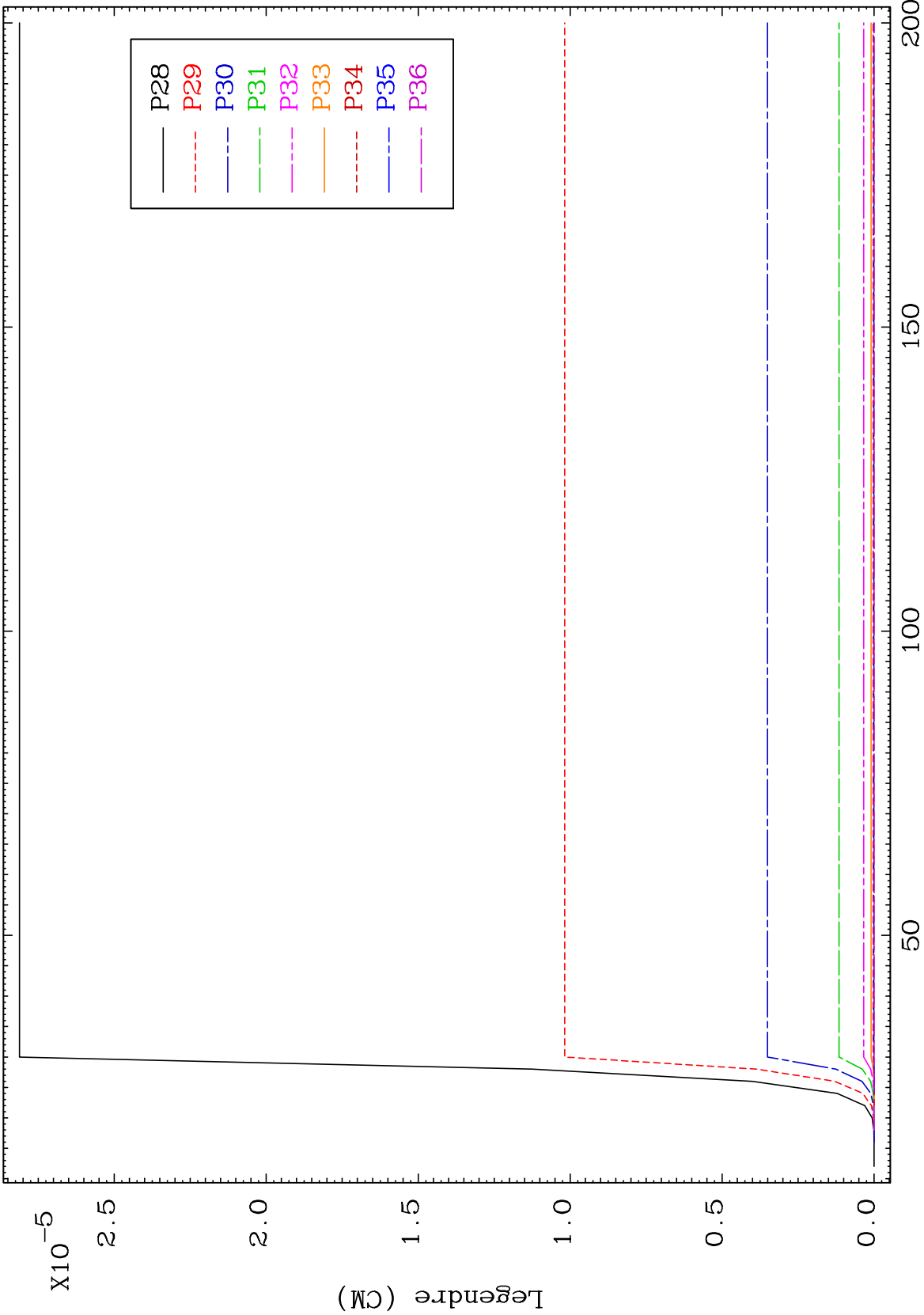
71-Lu-173



MAT 7119

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

71-Lu-173



43

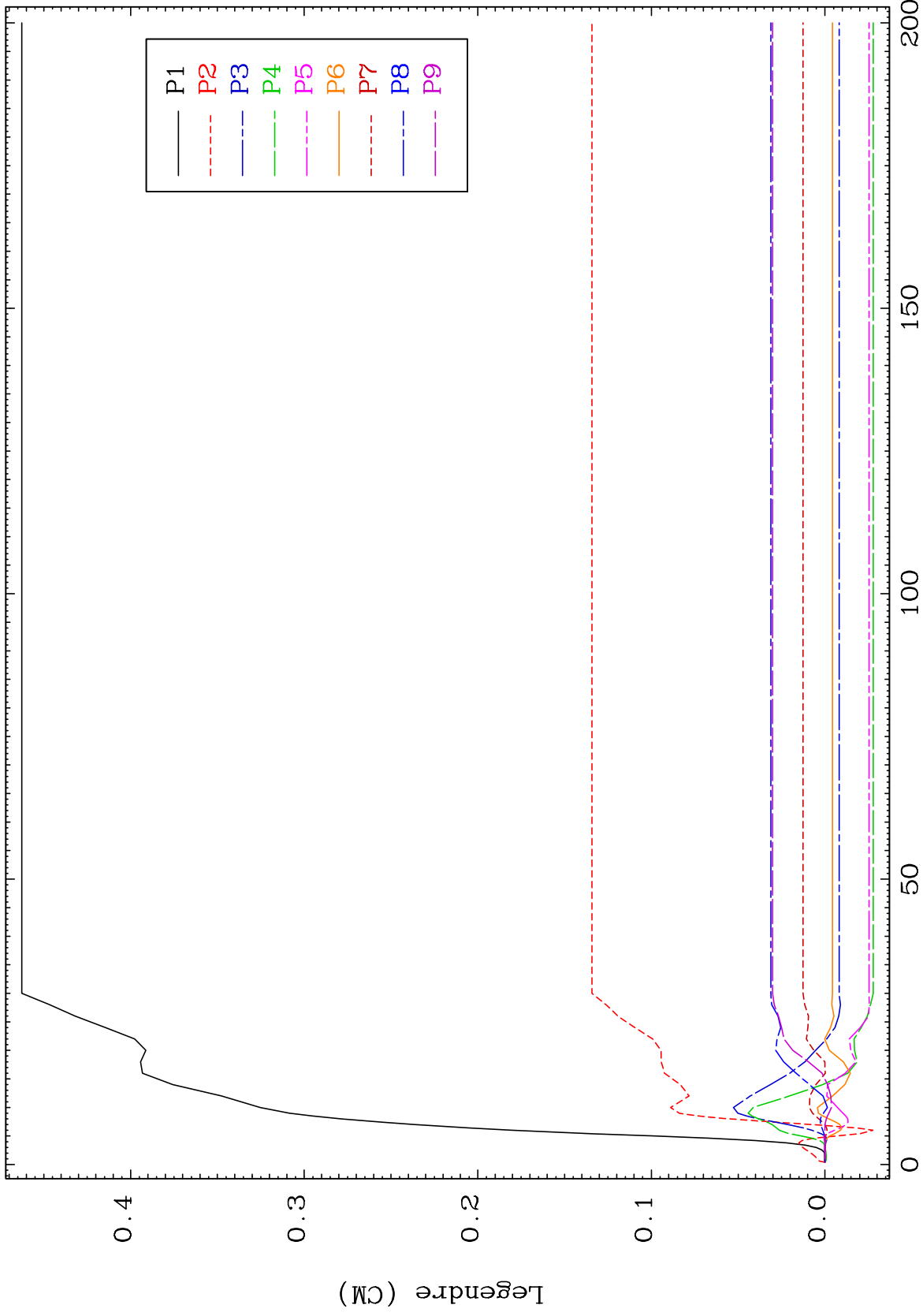
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



44

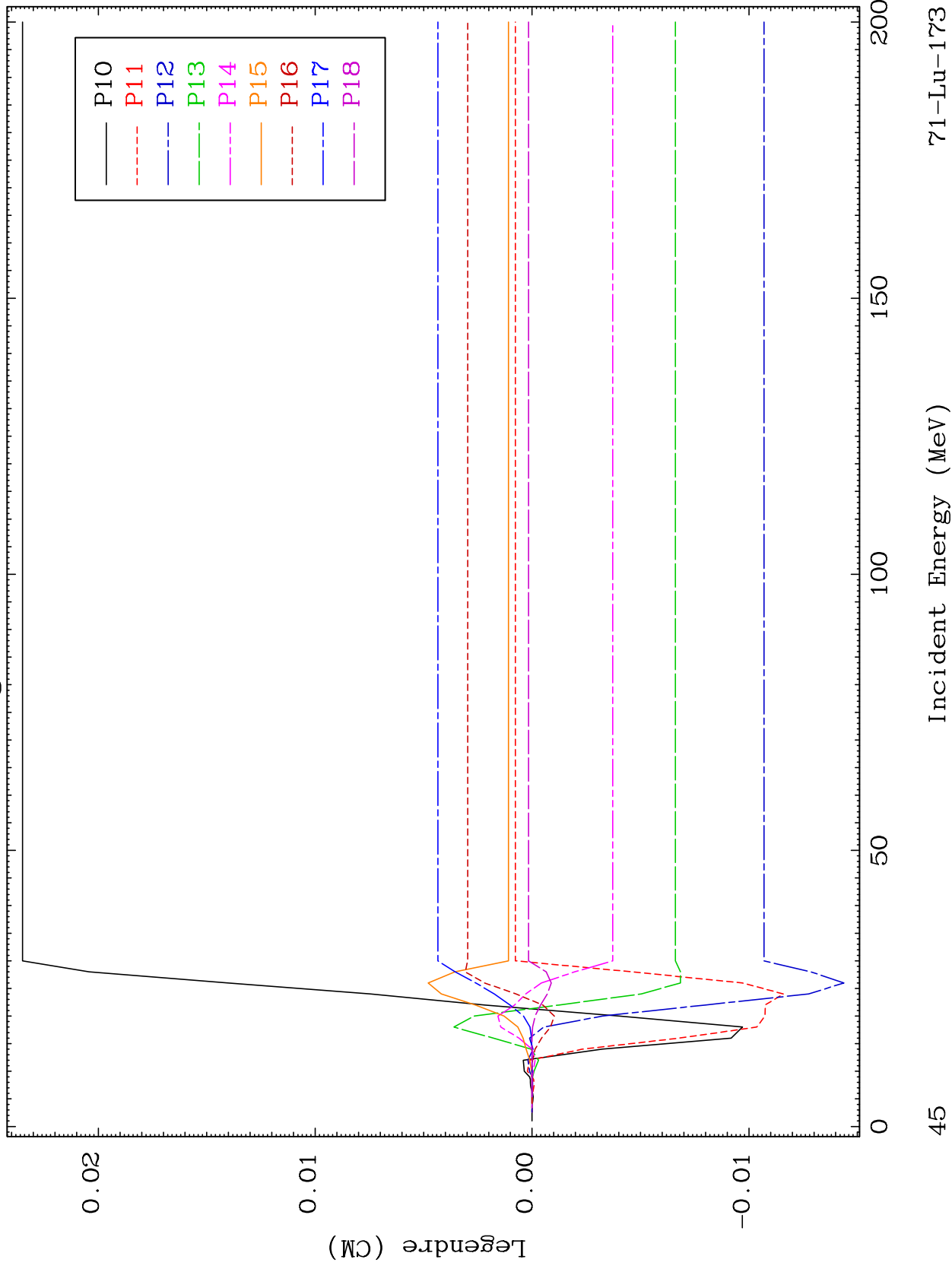
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



71-Lu-173

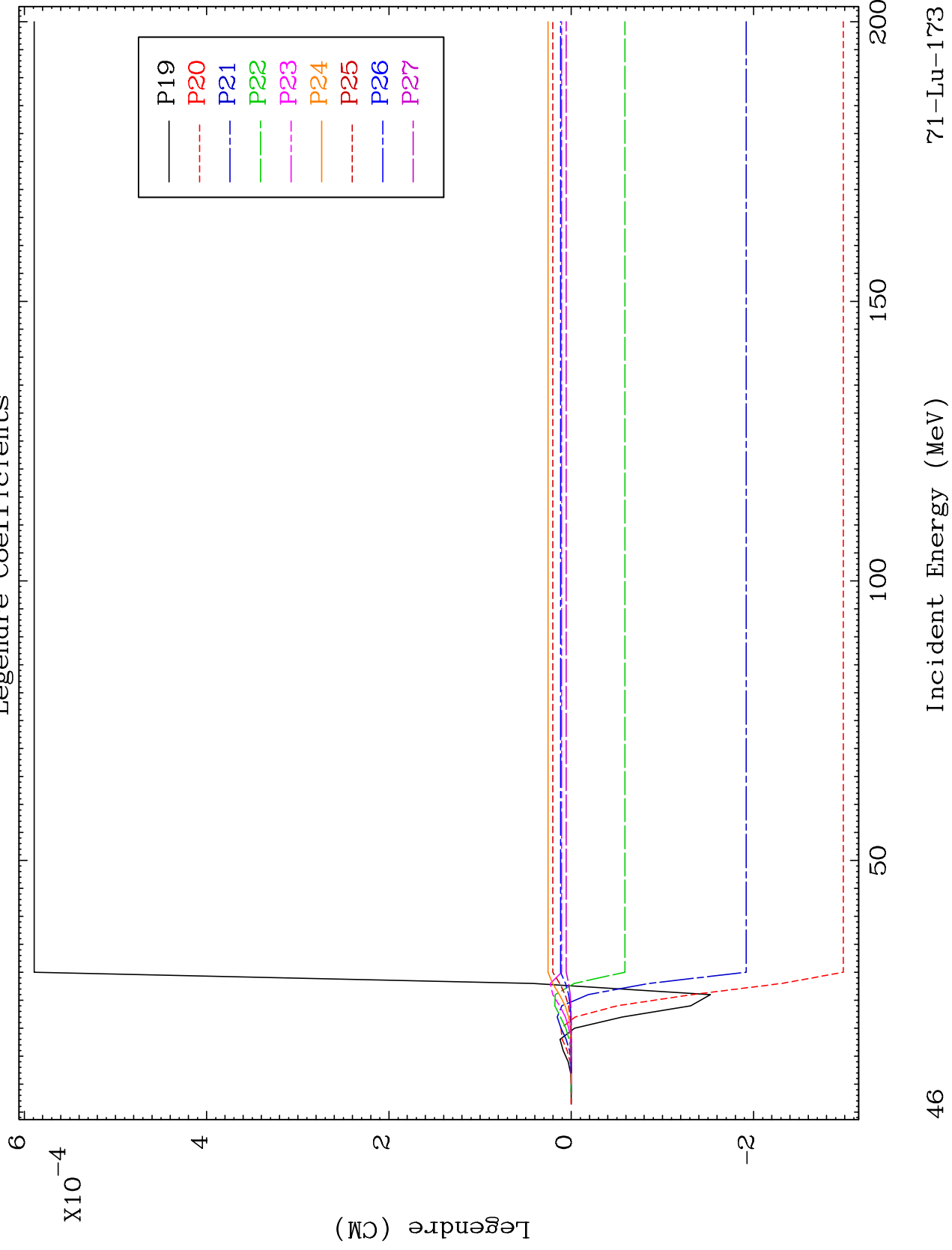
Incident Energy (MeV)

45

MAT 7119

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

71-Lu-173



46

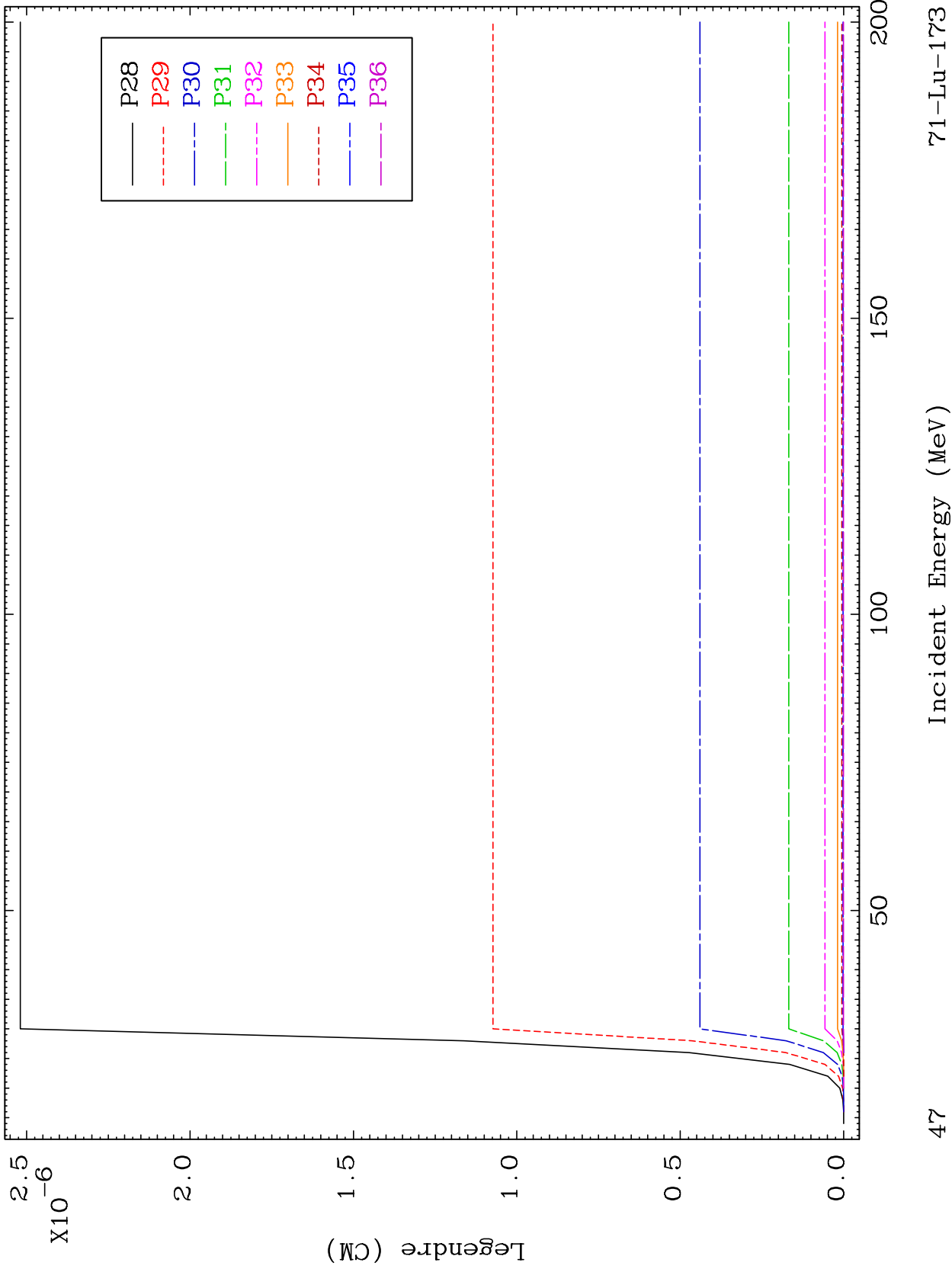
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



47

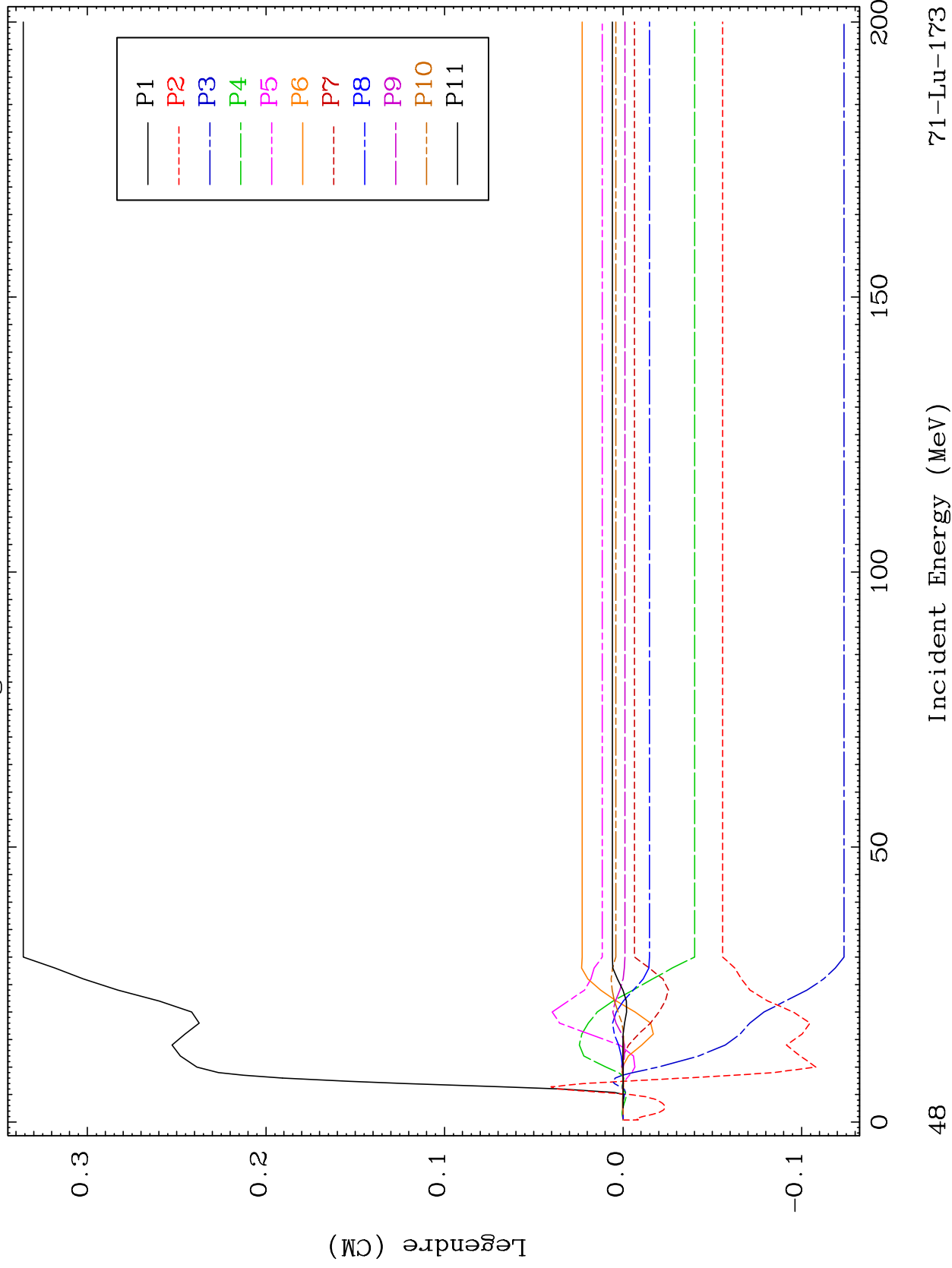
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



71-Lu-173

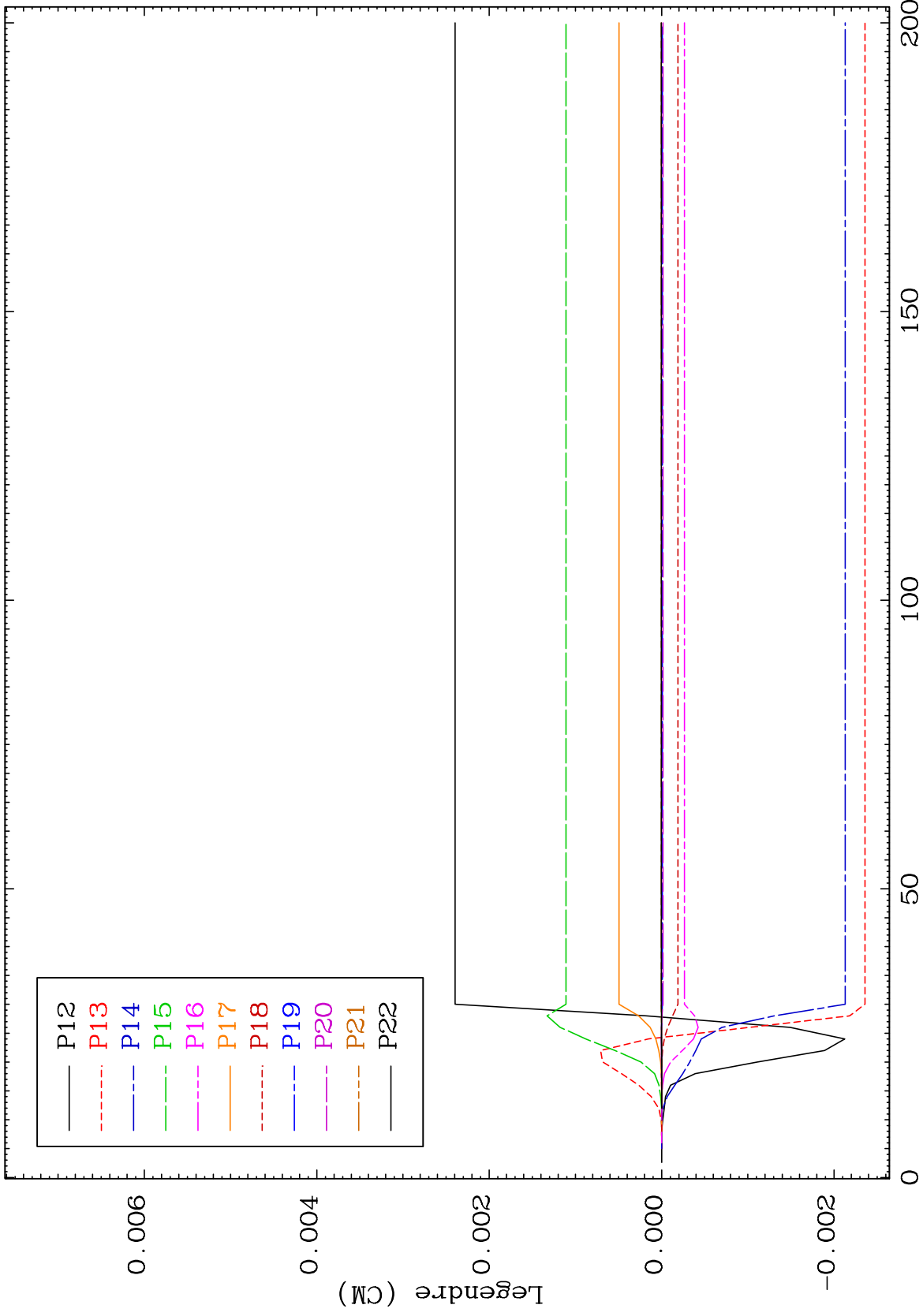
Incident Energy (MeV)

48

MAT 7119

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

71-Lu-173



49

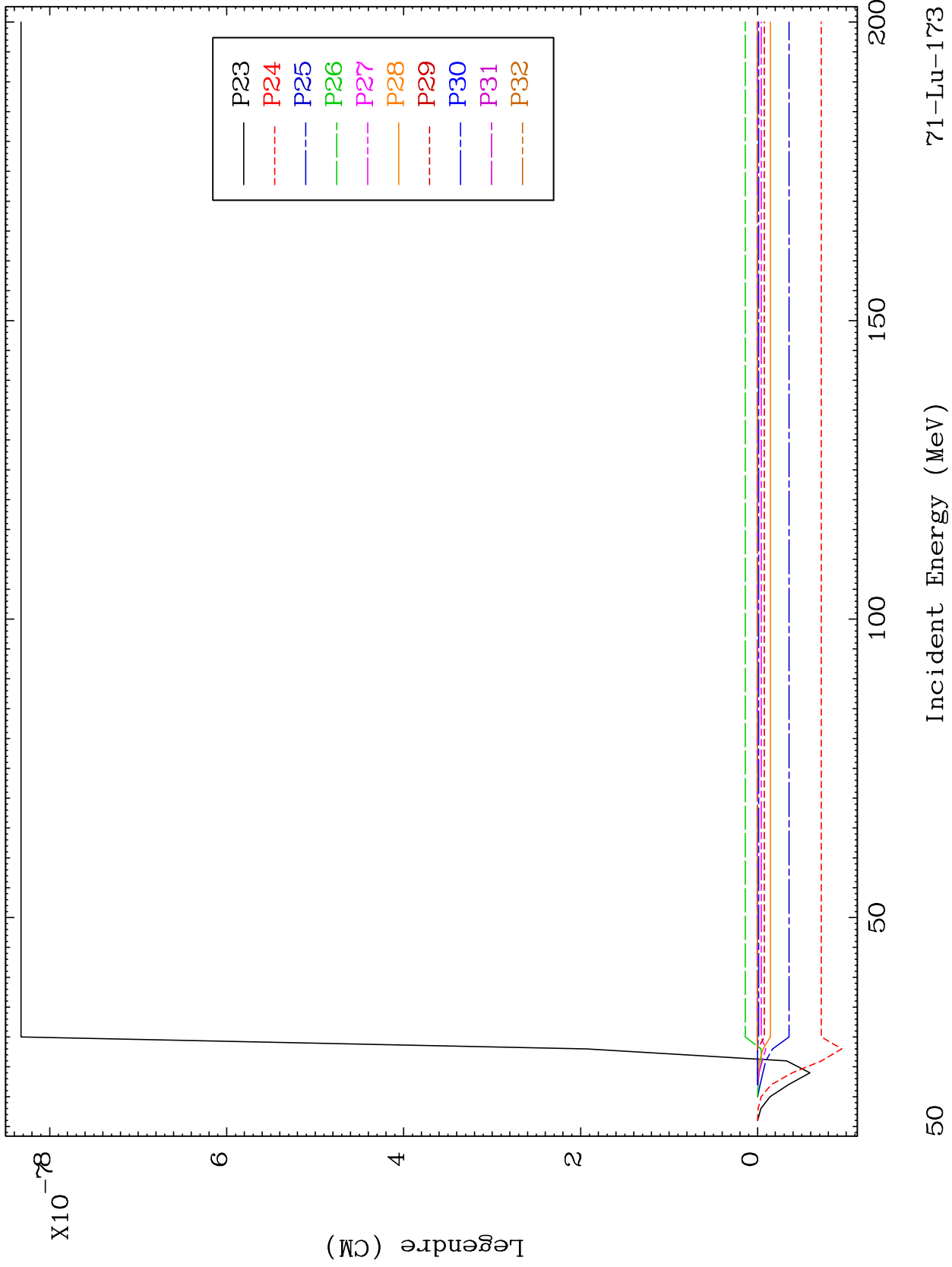
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

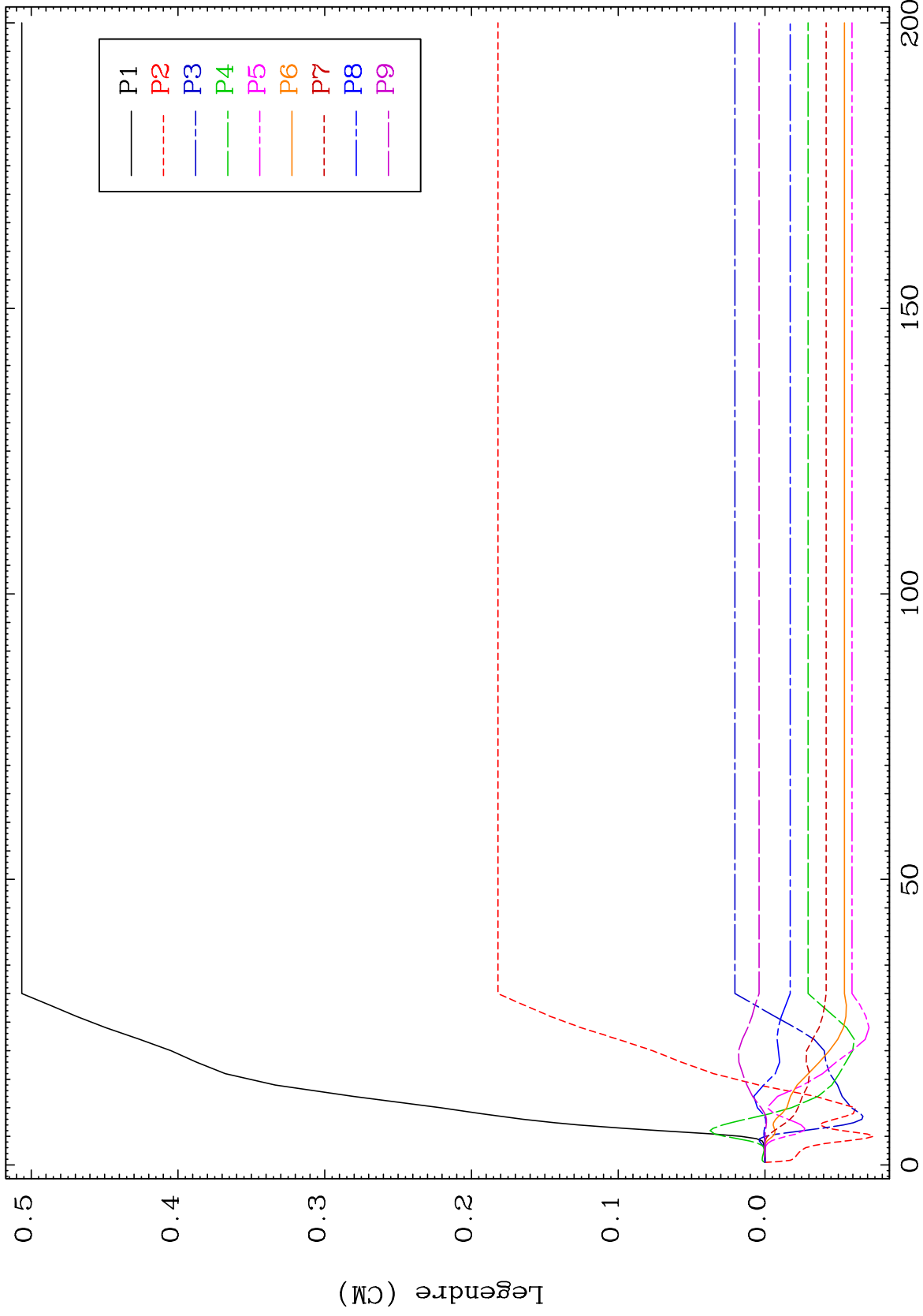
71-Lu-173



MAT 7119

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

71-Lu-173



71-Lu-173

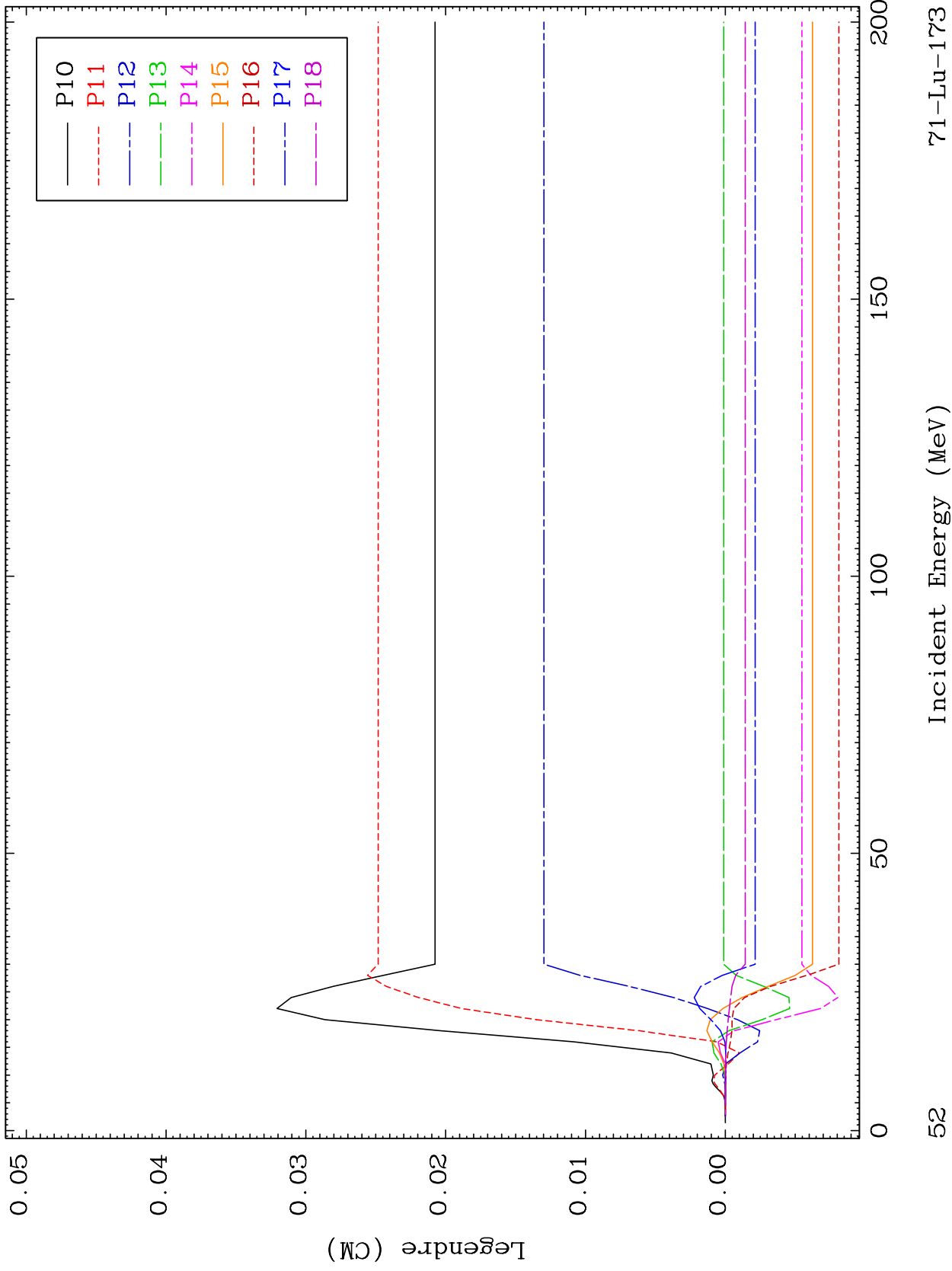
Incident Energy (MeV)

51

MAT 7119

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

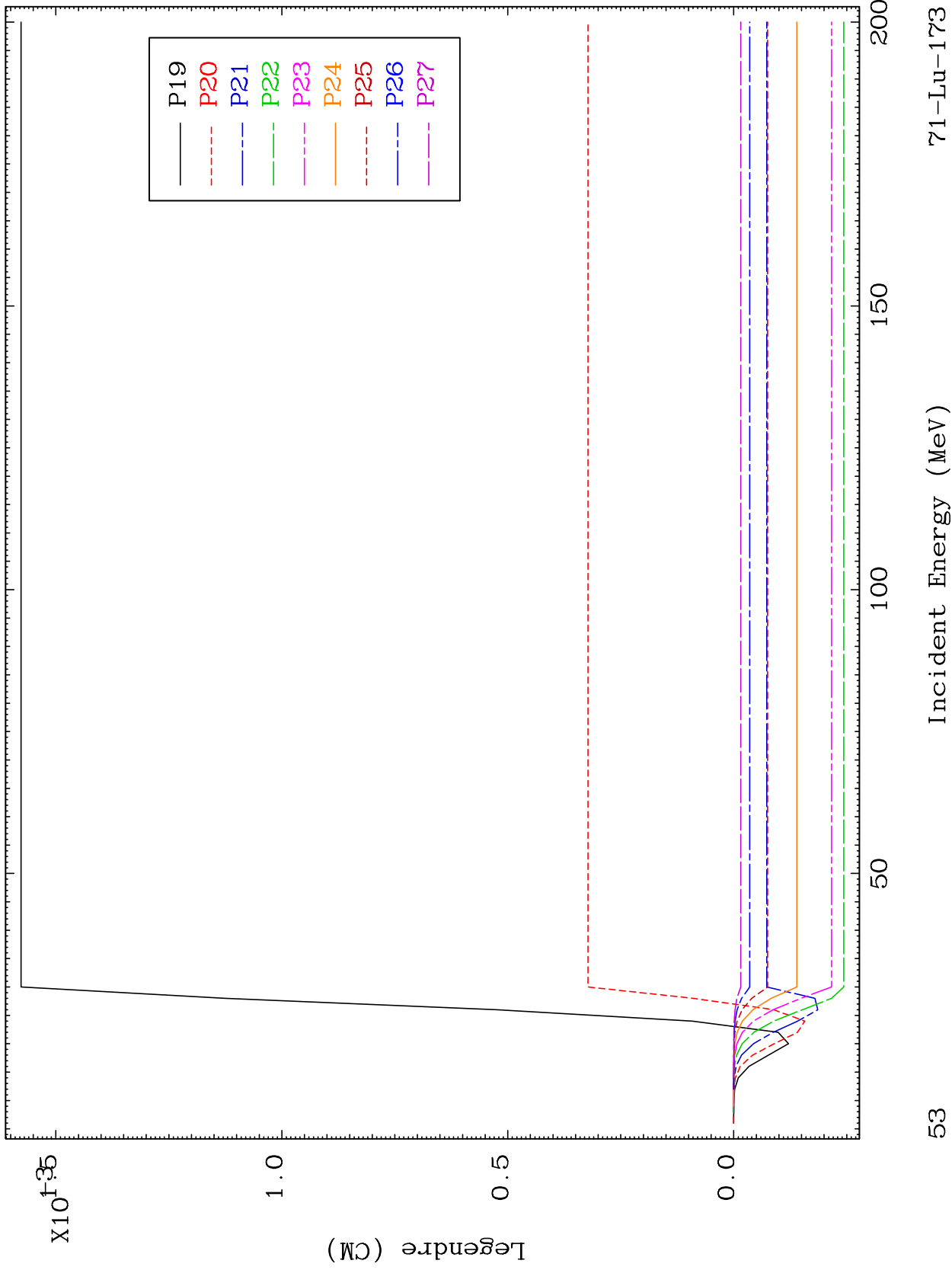
71-Lu-173

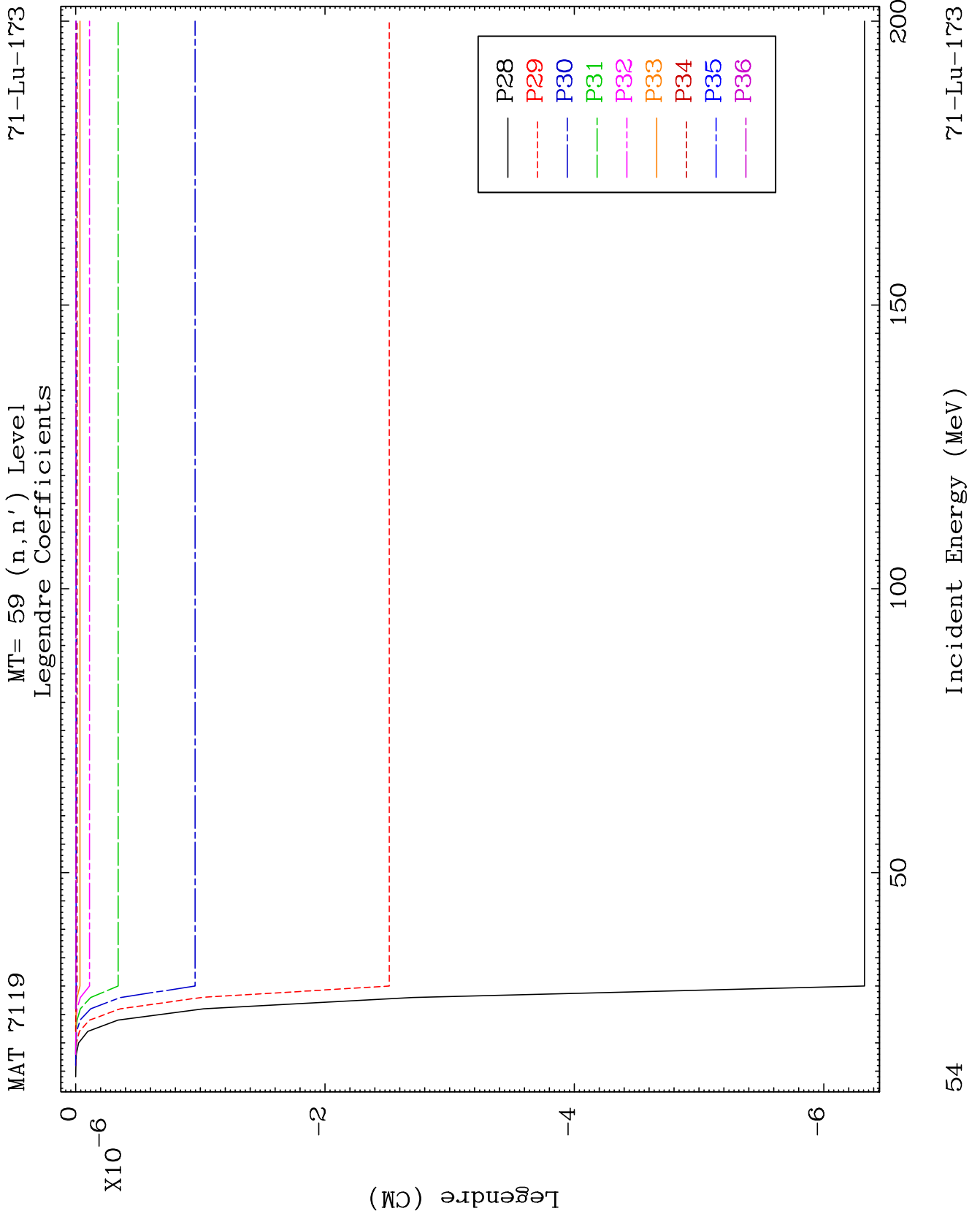


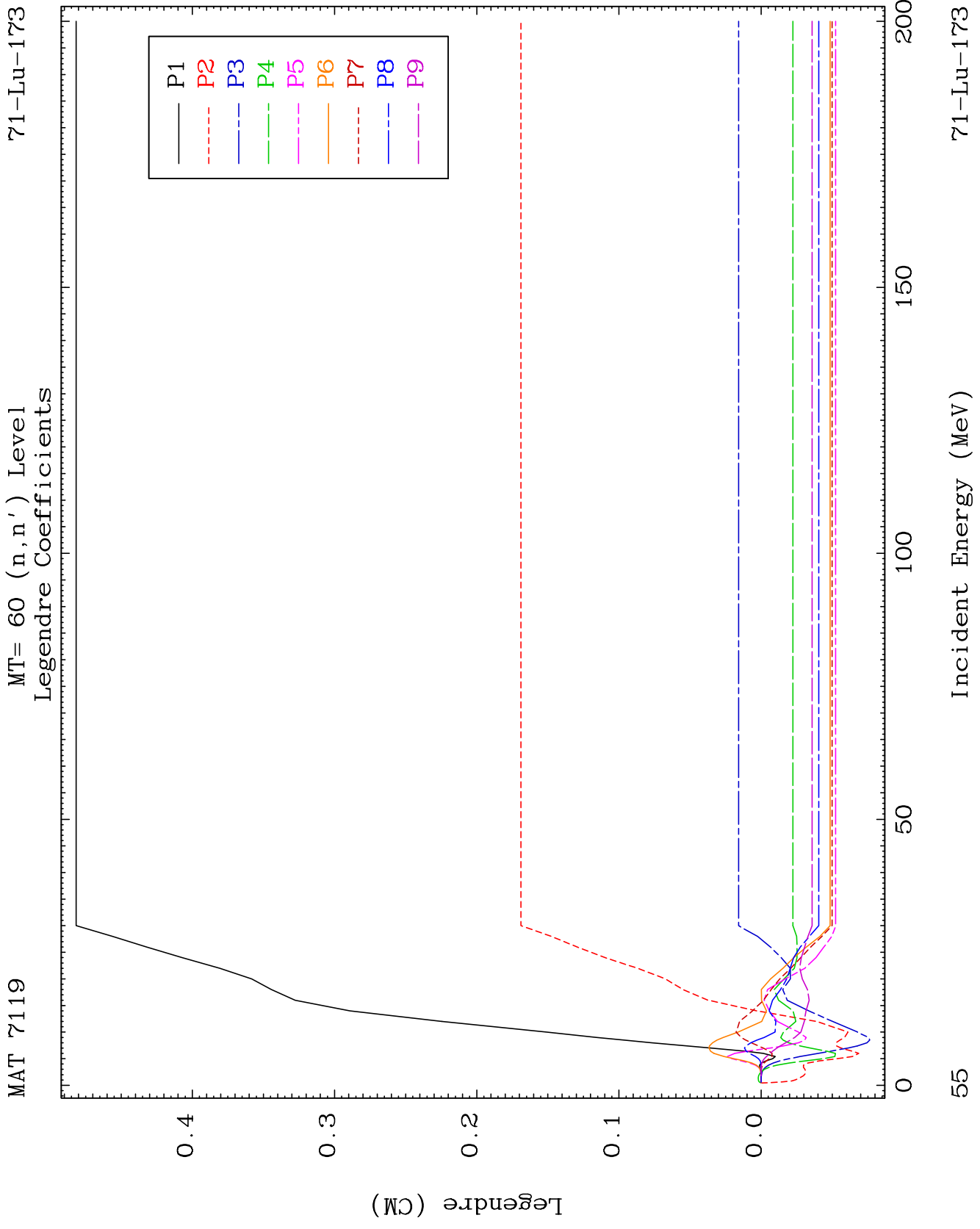
71-Lu-173

Incident Energy (MeV)

52



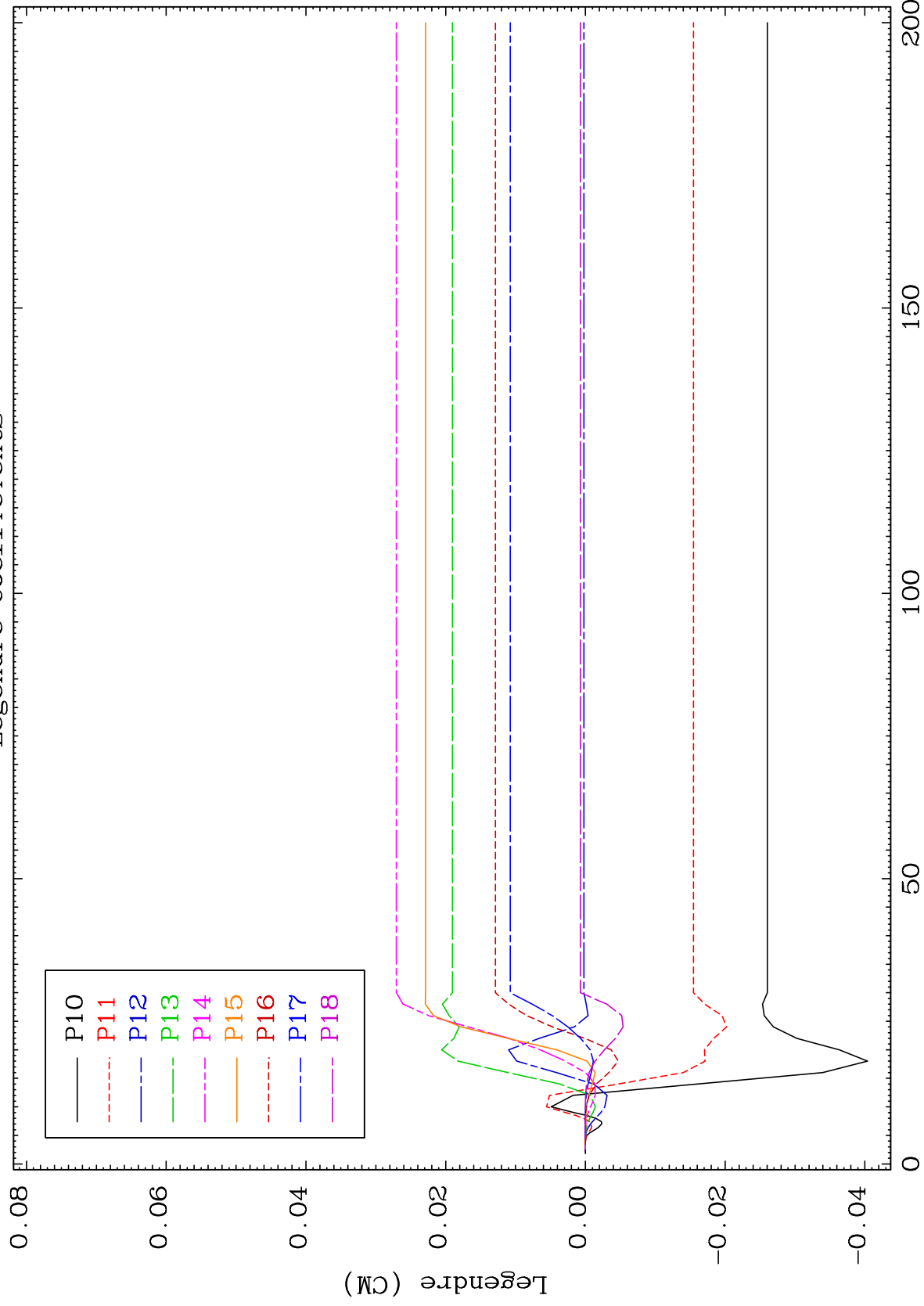




MAT 7119

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

71-Lu-173



56

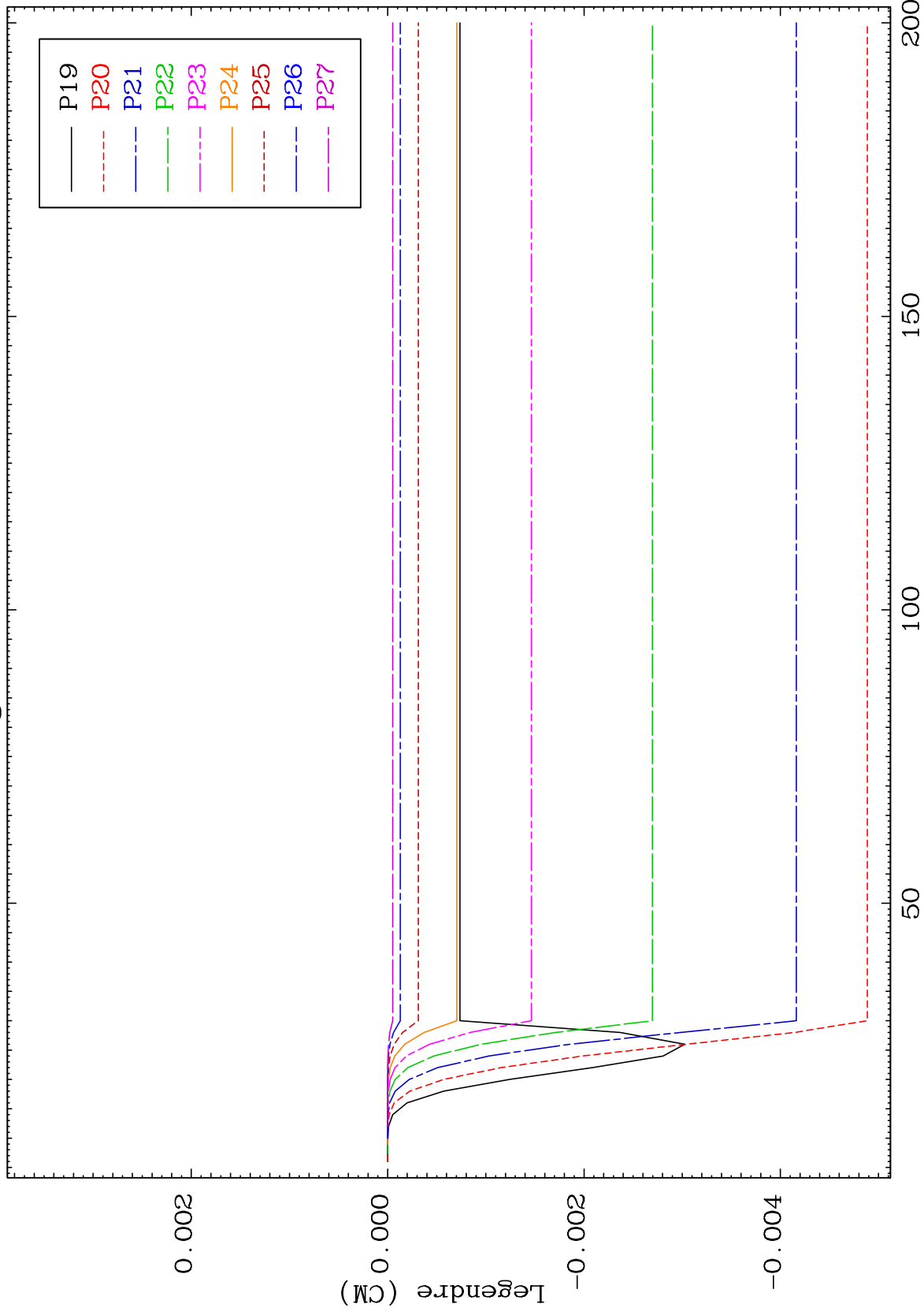
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

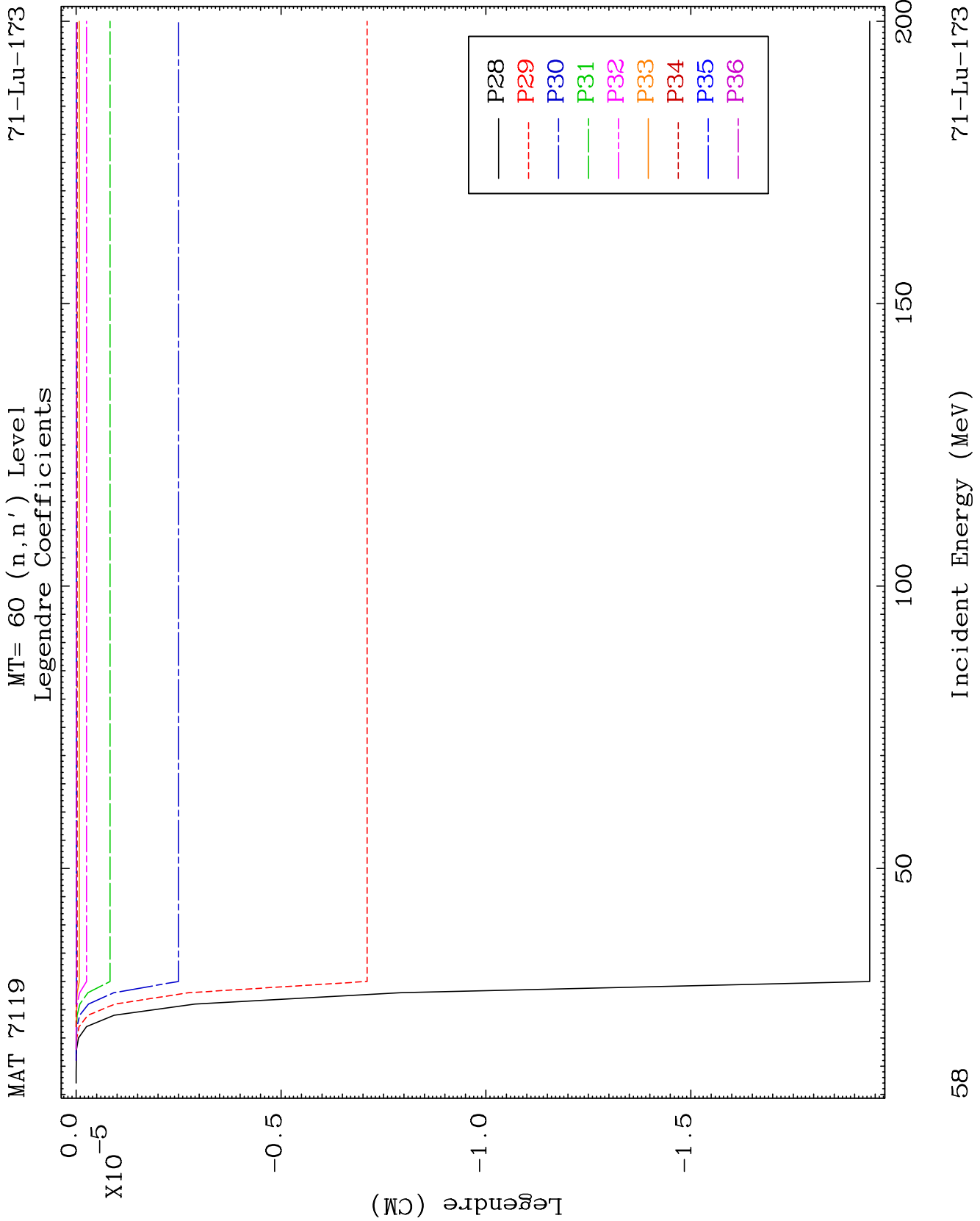
71-Lu-173



57

Incident Energy (MeV)

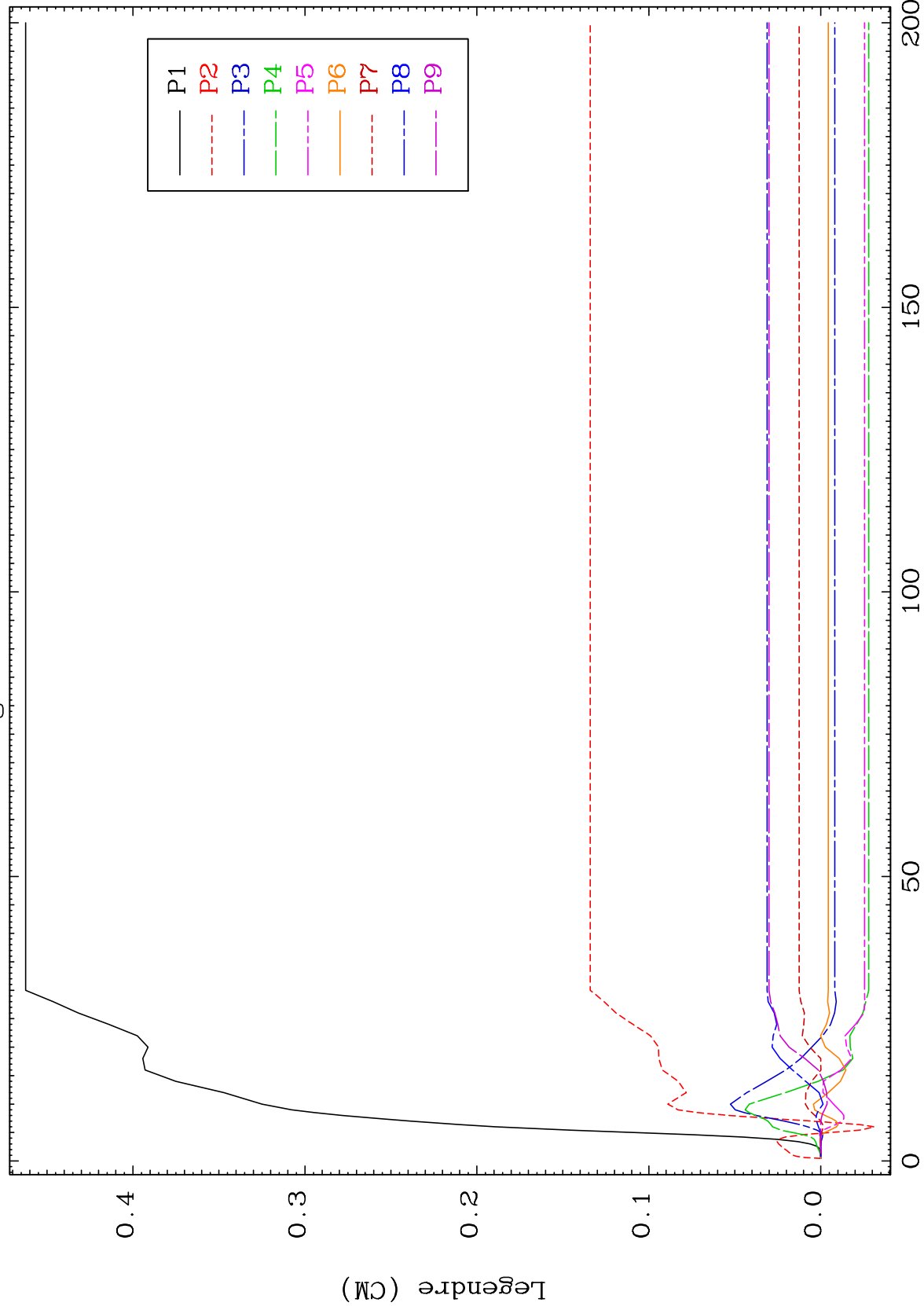
71-Lu-173



MAT 7119

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

71-Lu-173



59

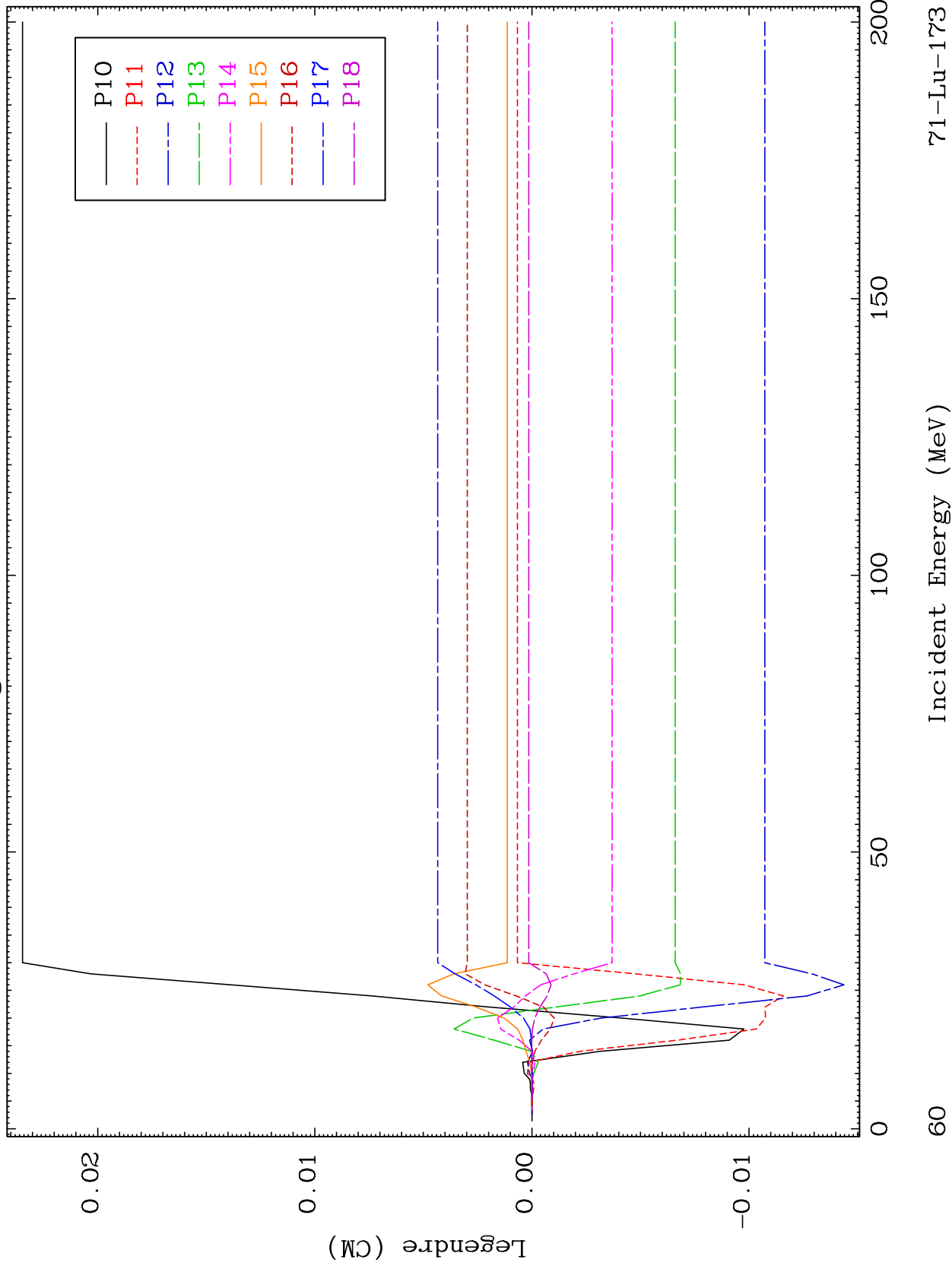
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



71-Lu-173

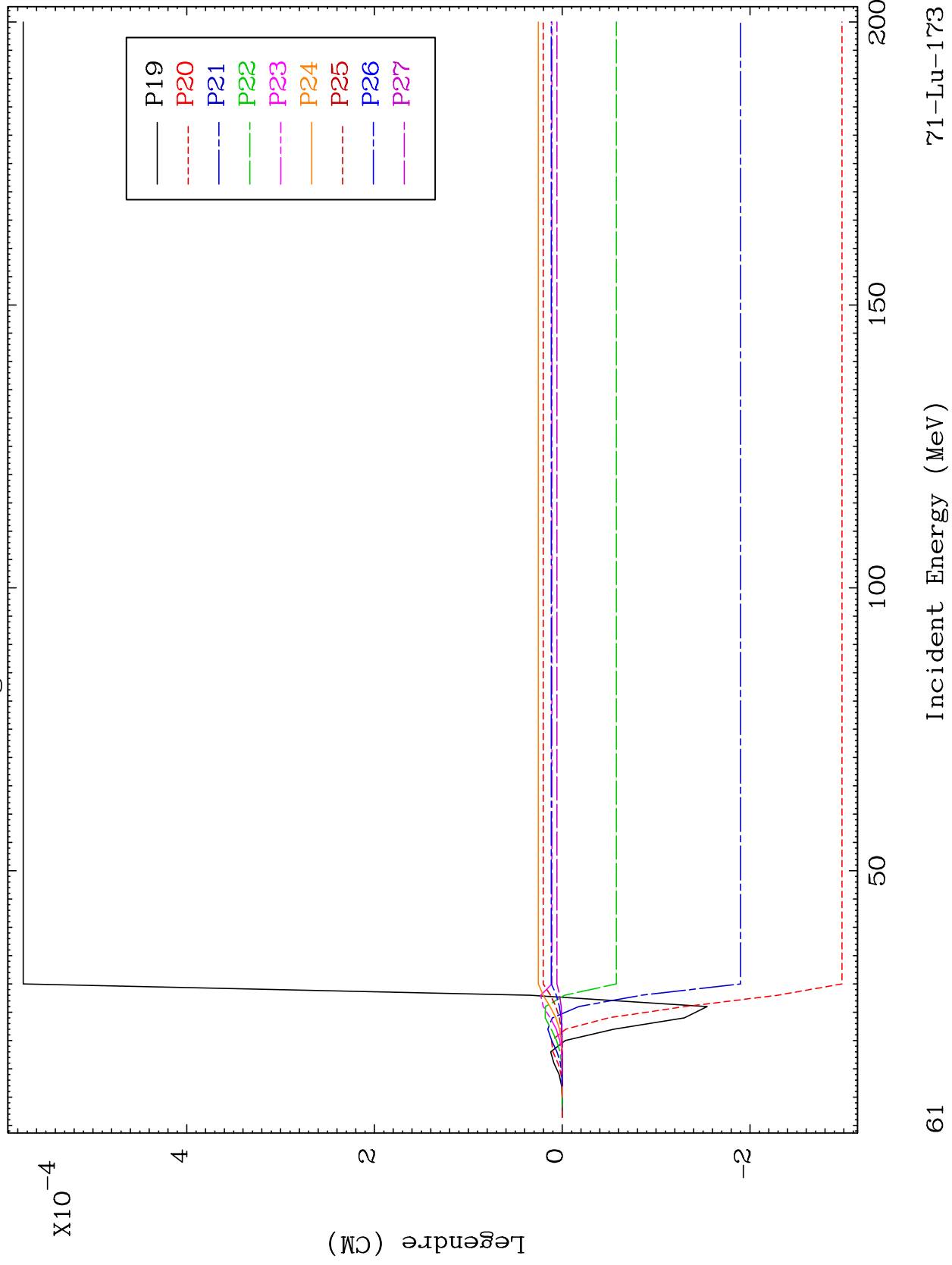
Incident Energy (MeV)

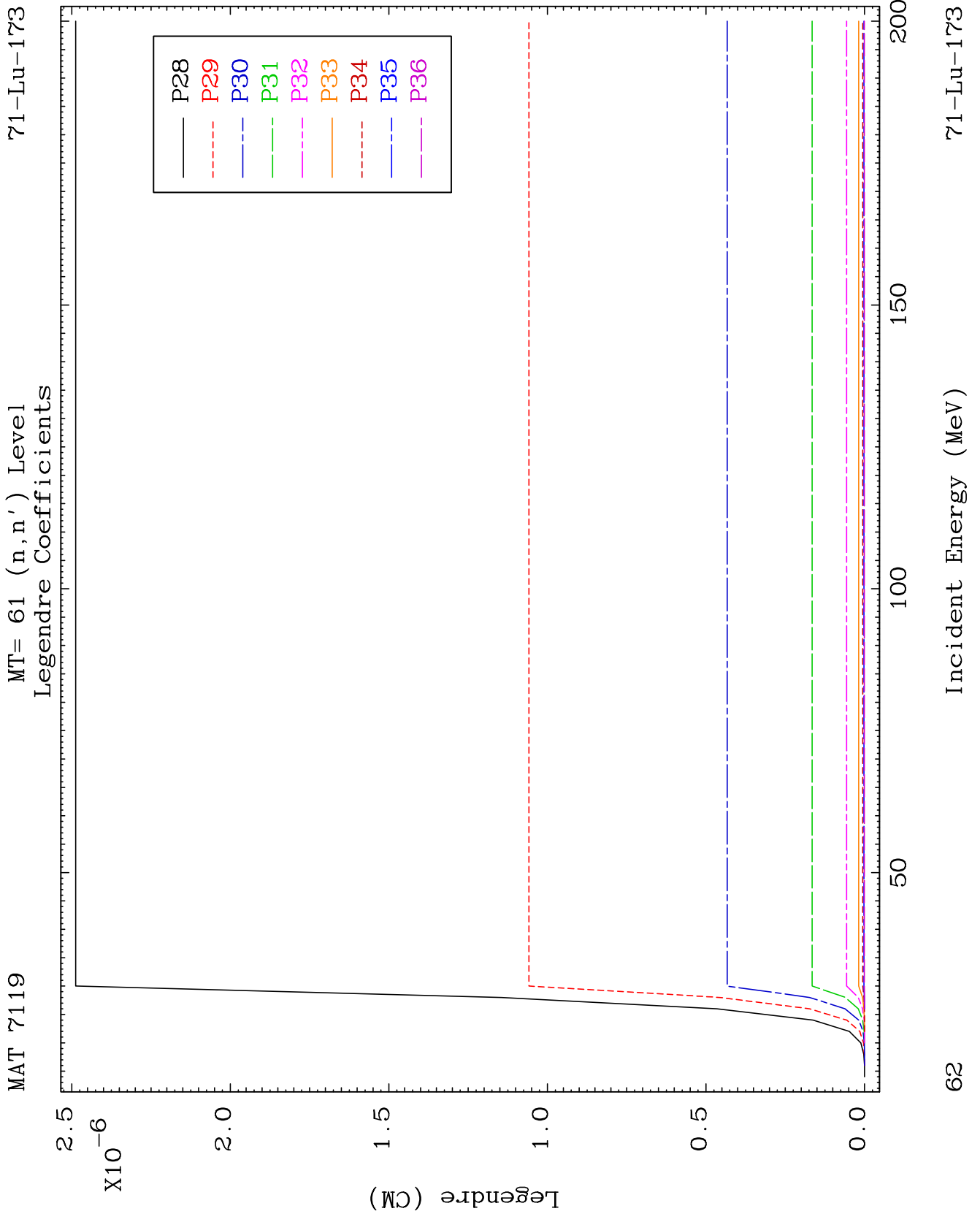
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MAT 7119

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

71-Lu-173

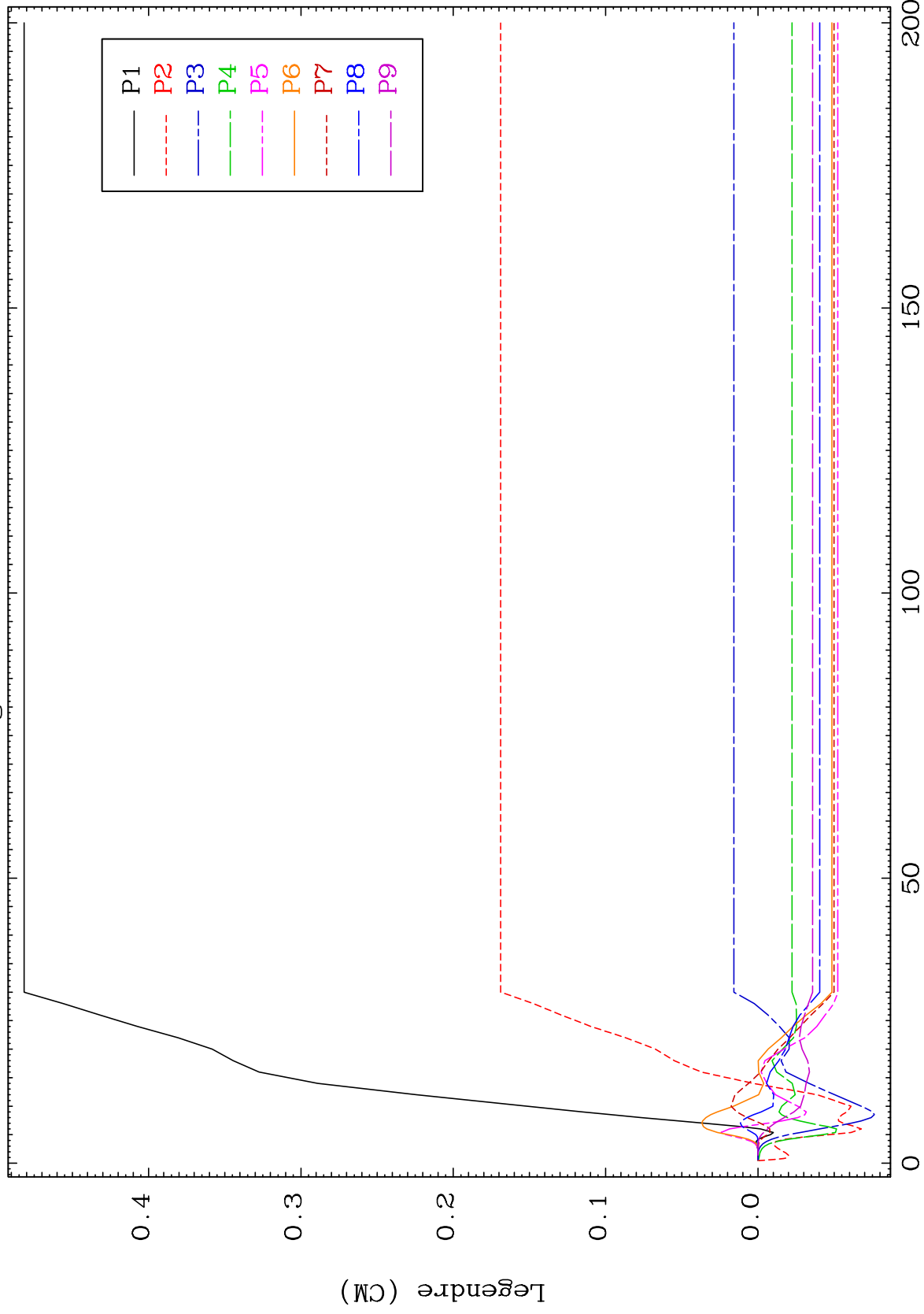




MAT 7119

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

71-Lu-173



63

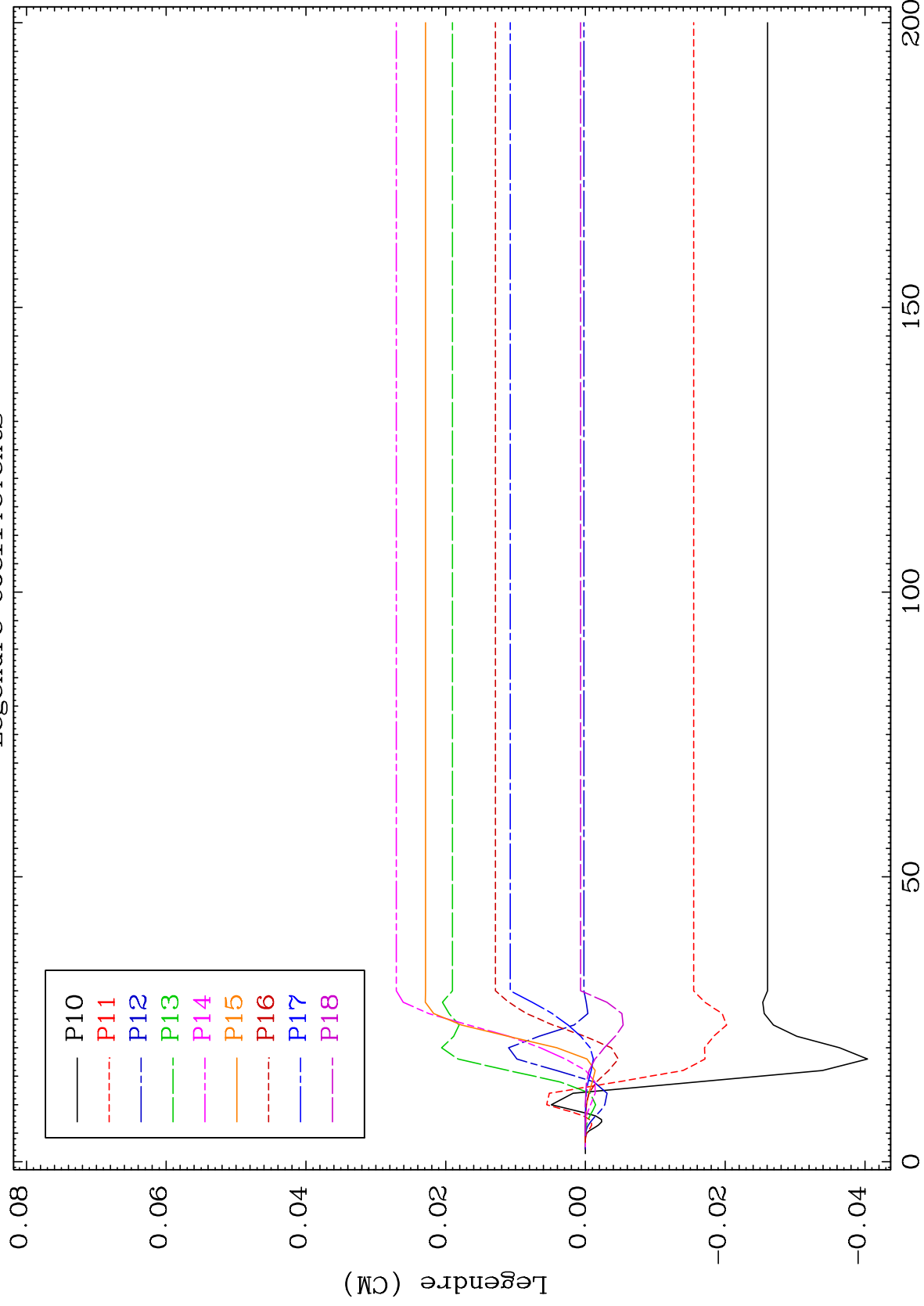
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



64

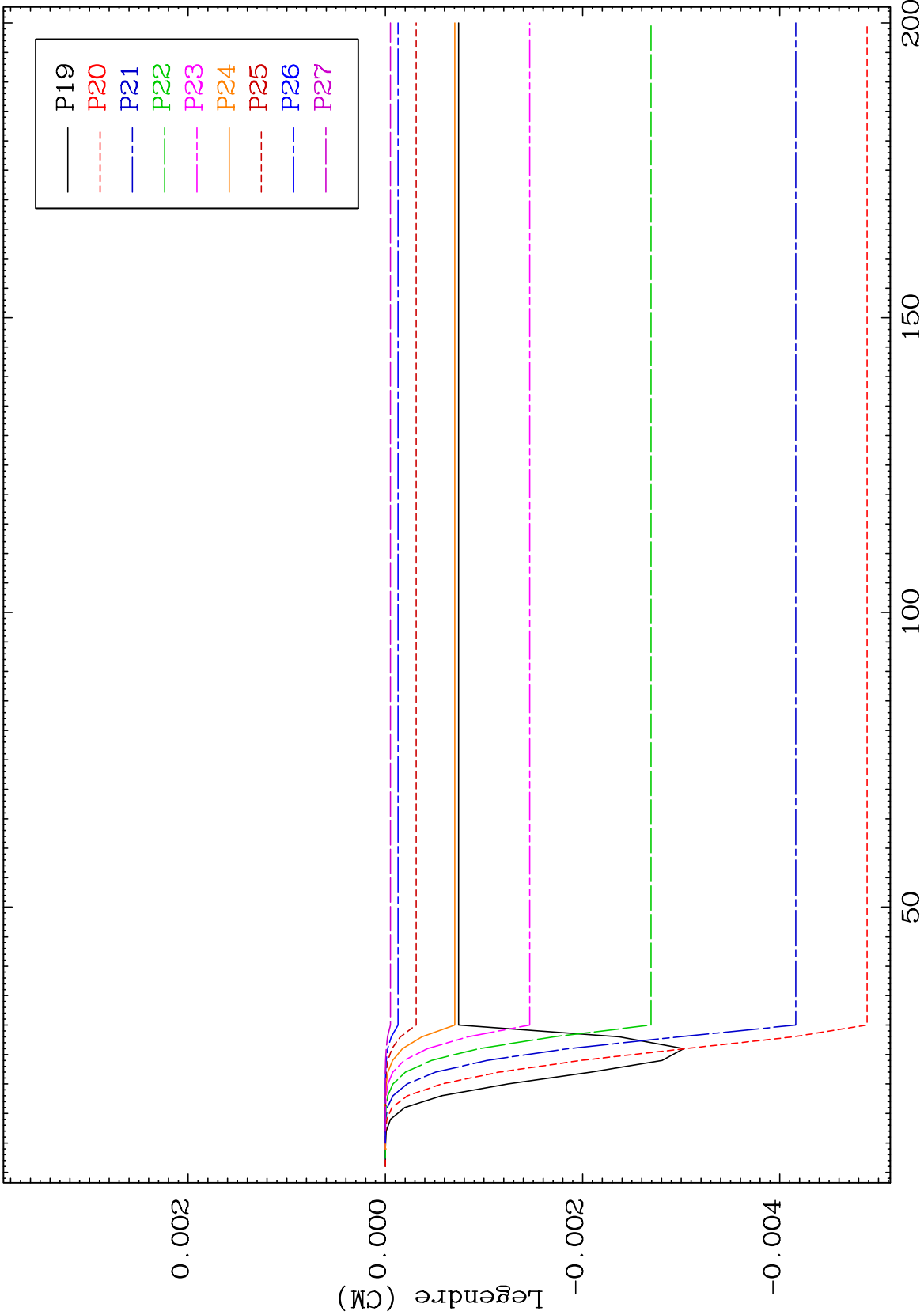
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

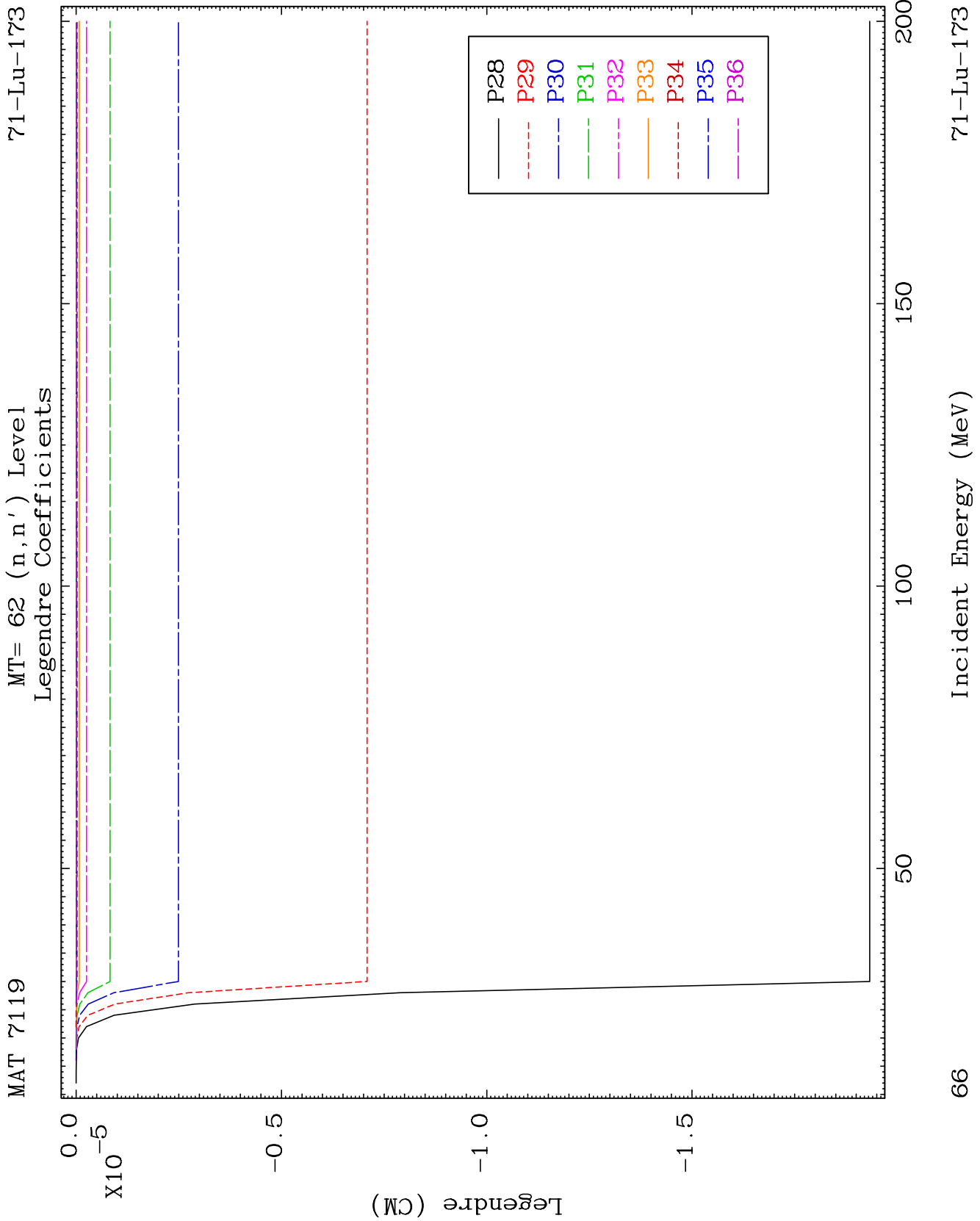
71-Lu-173

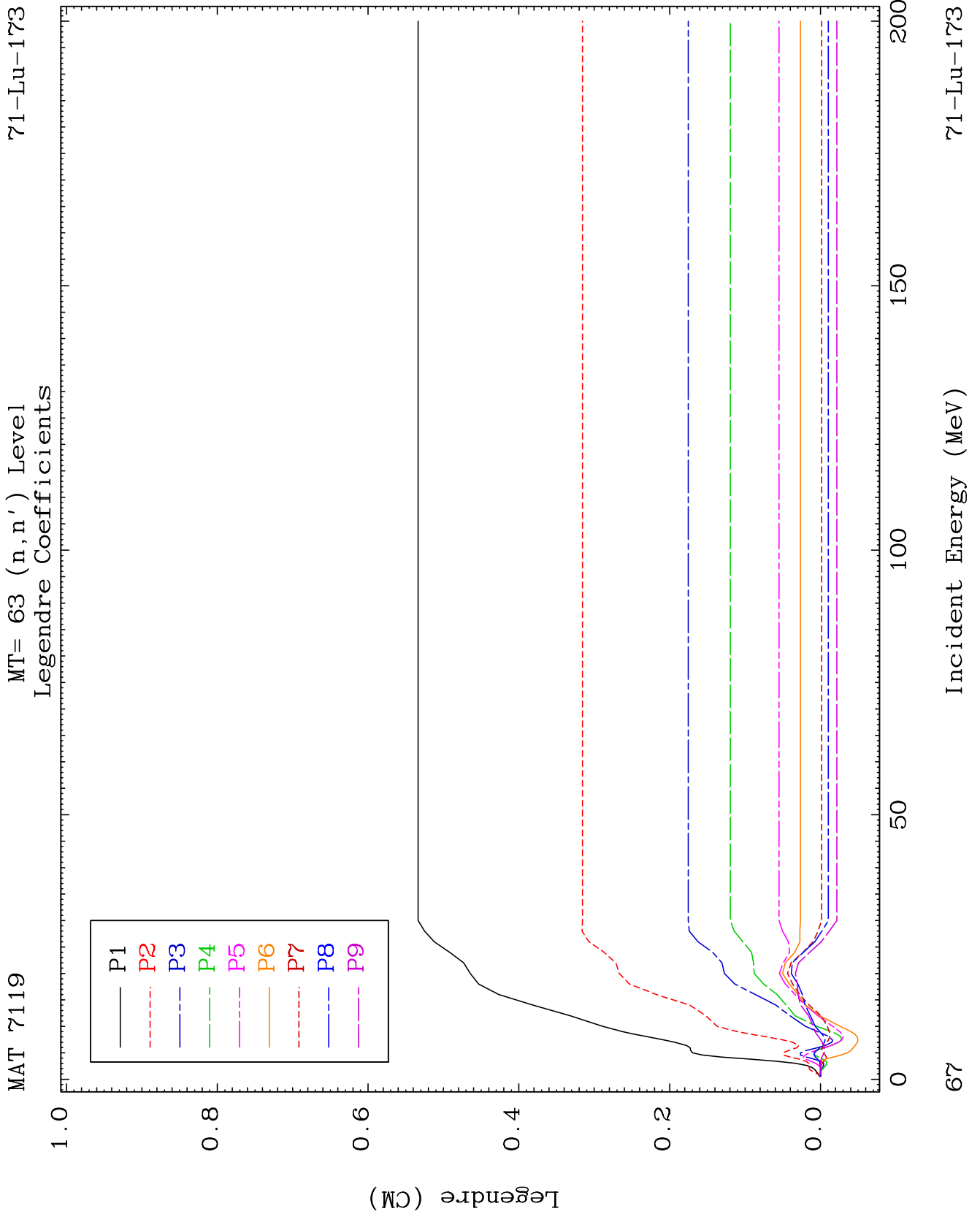


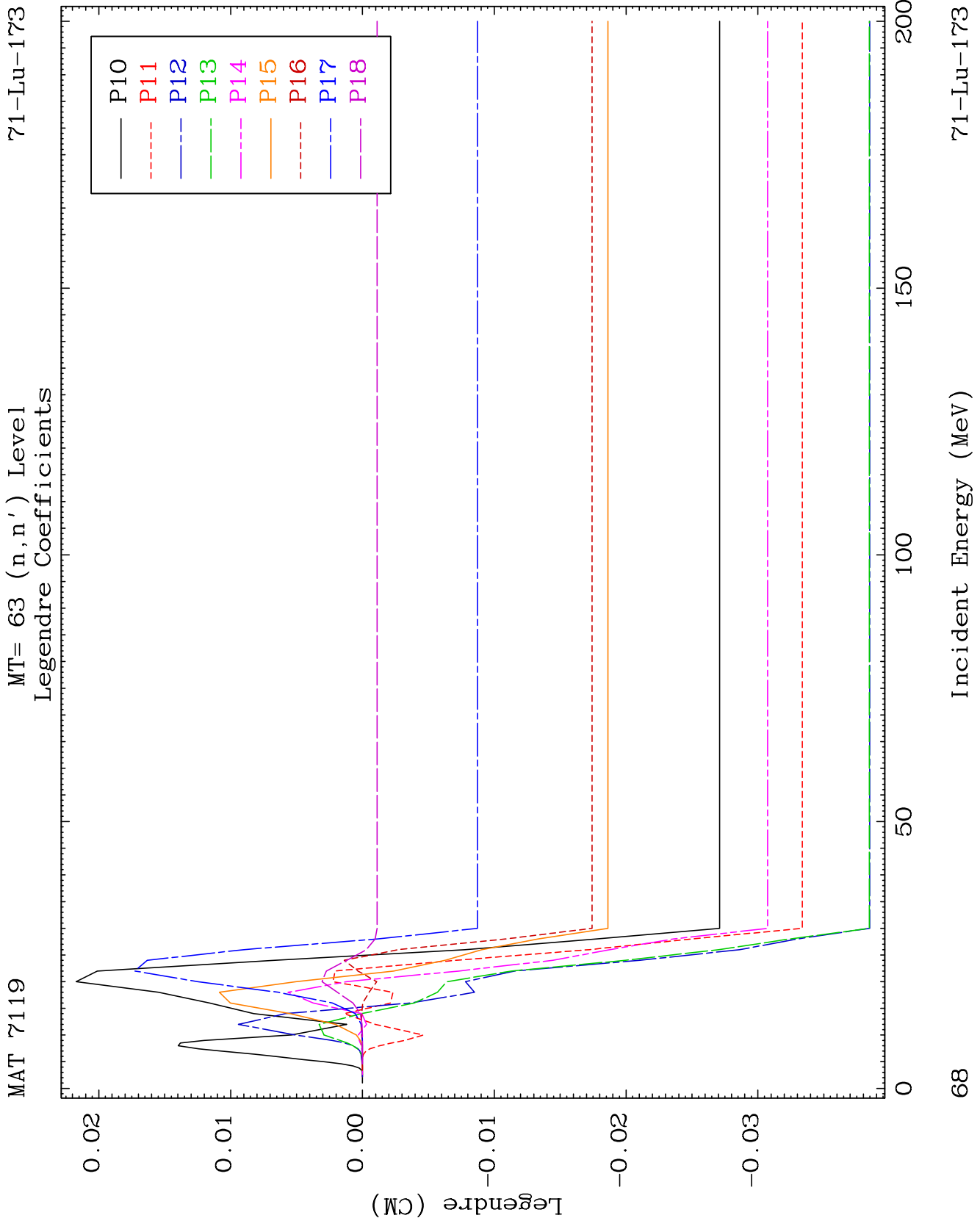
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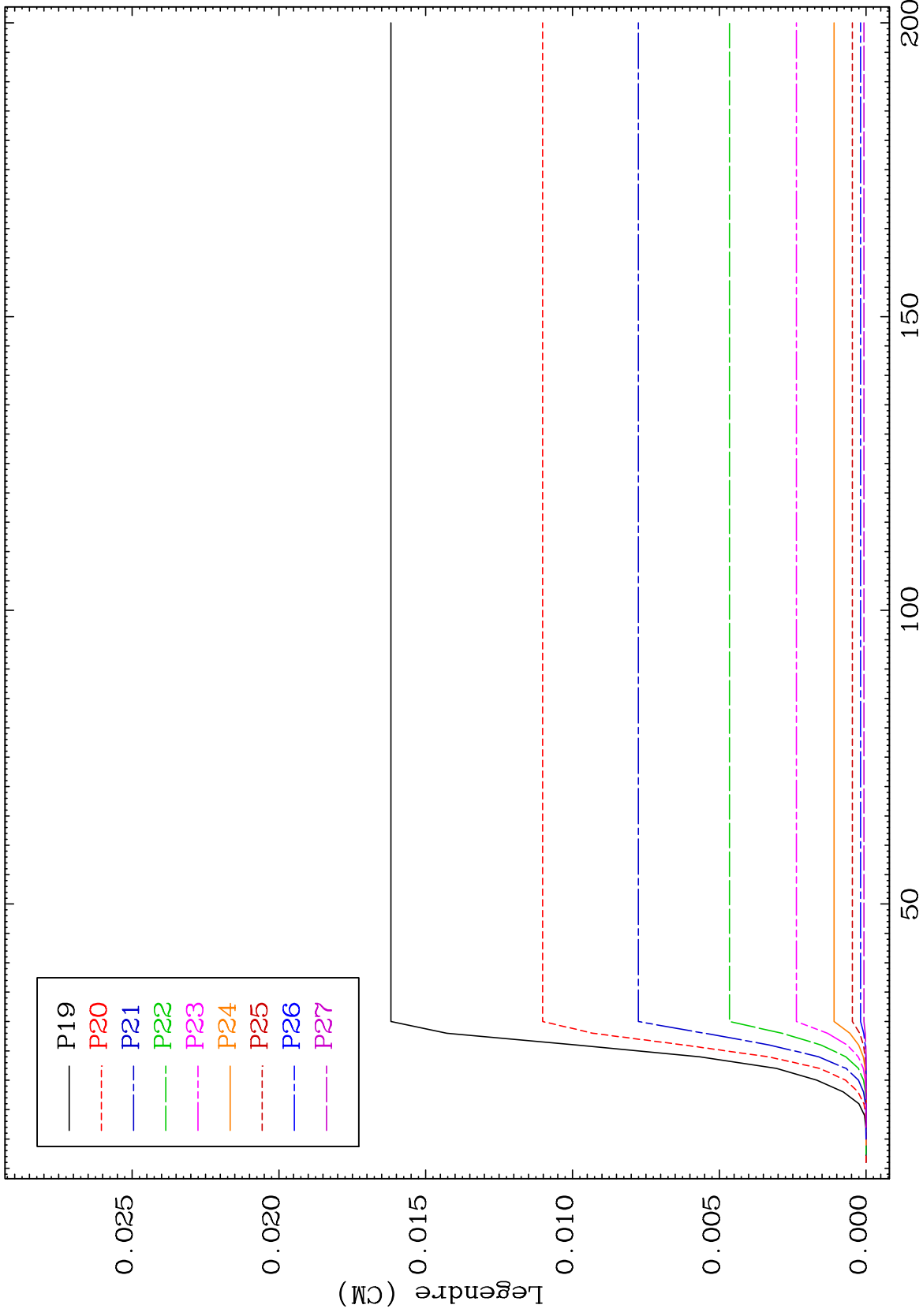
Incident Energy (MeV)

71-Lu-173





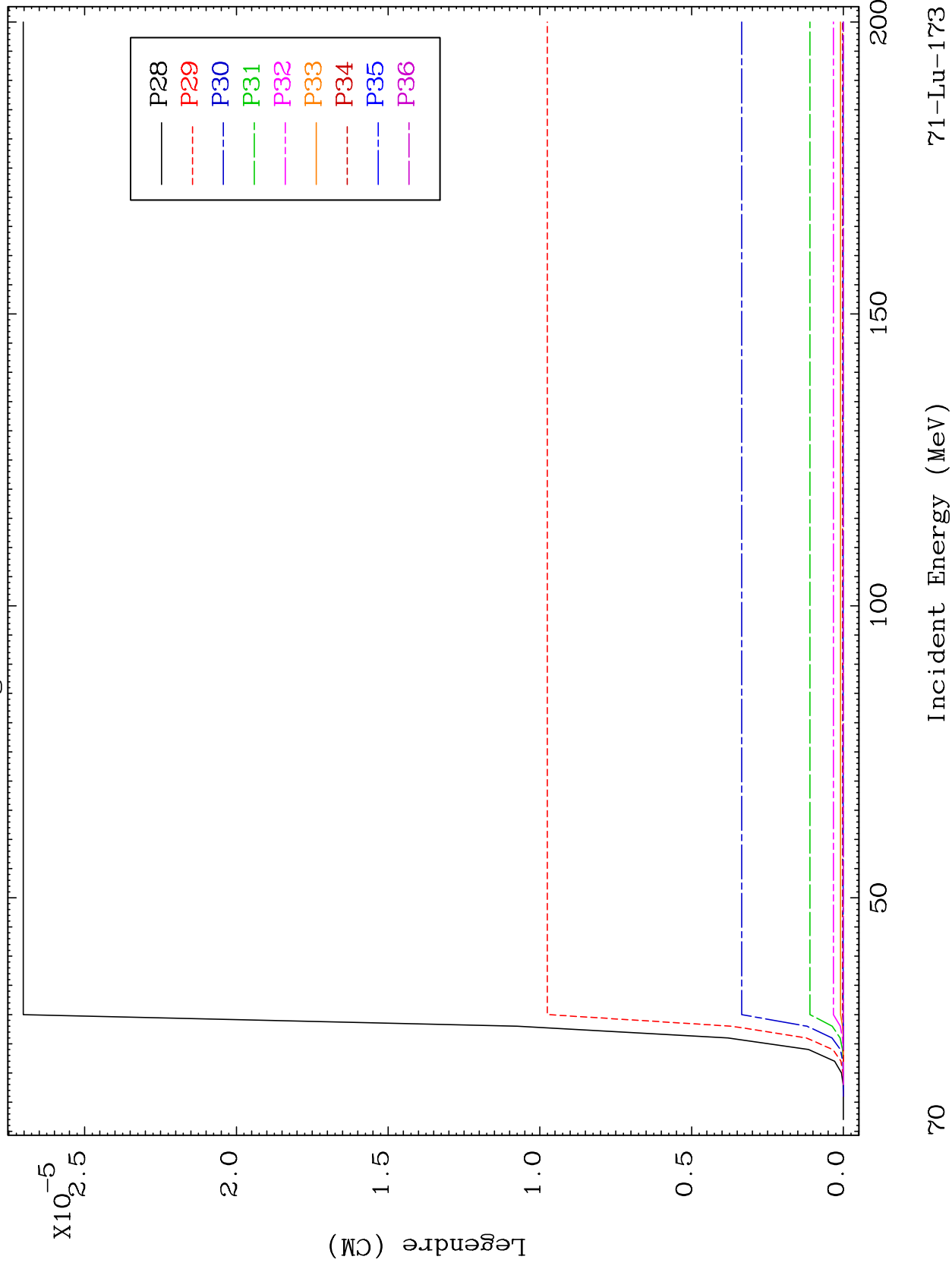




MAT 7119

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

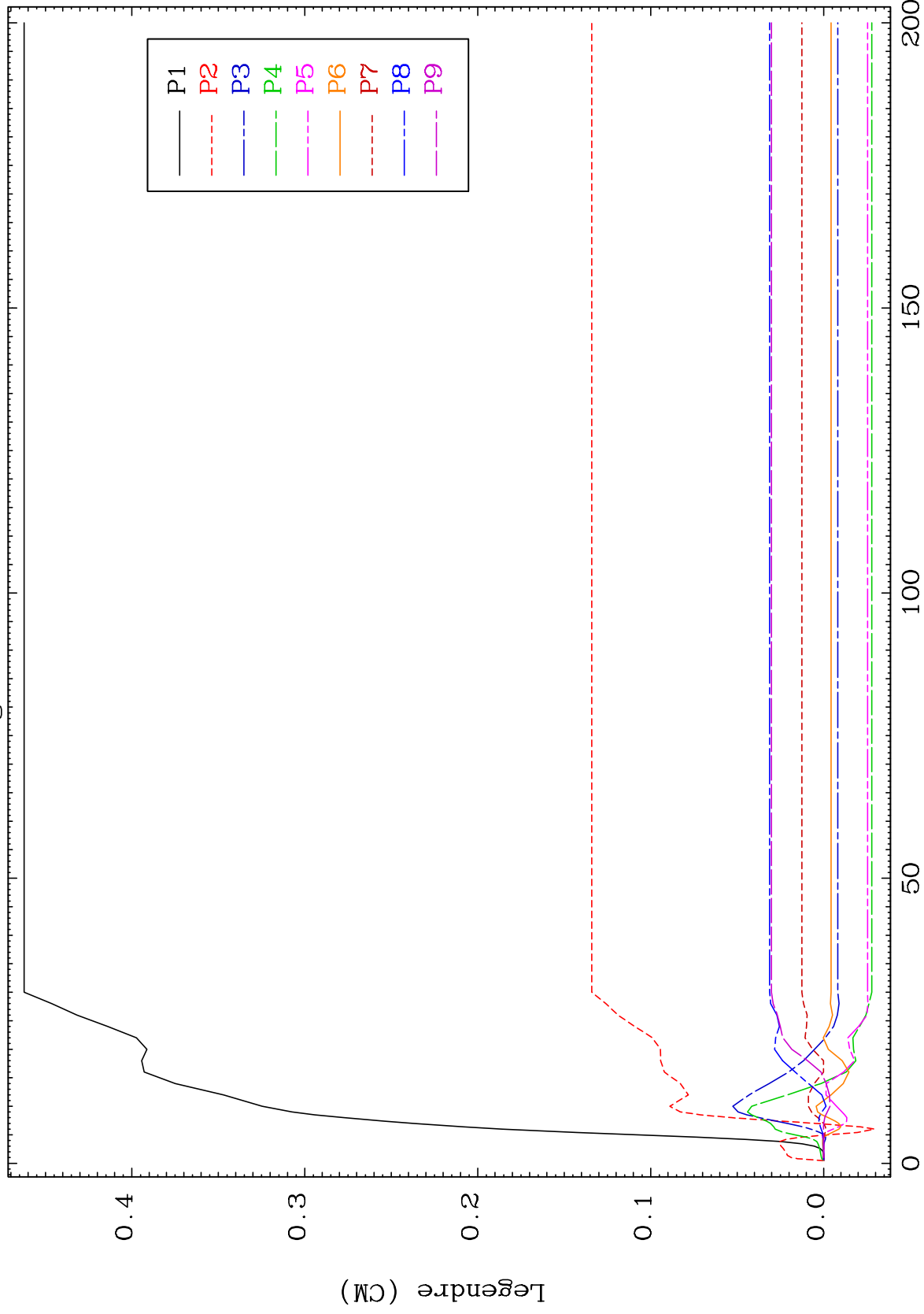
71-Lu-173



MAT 7119

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

71-Lu-173



71

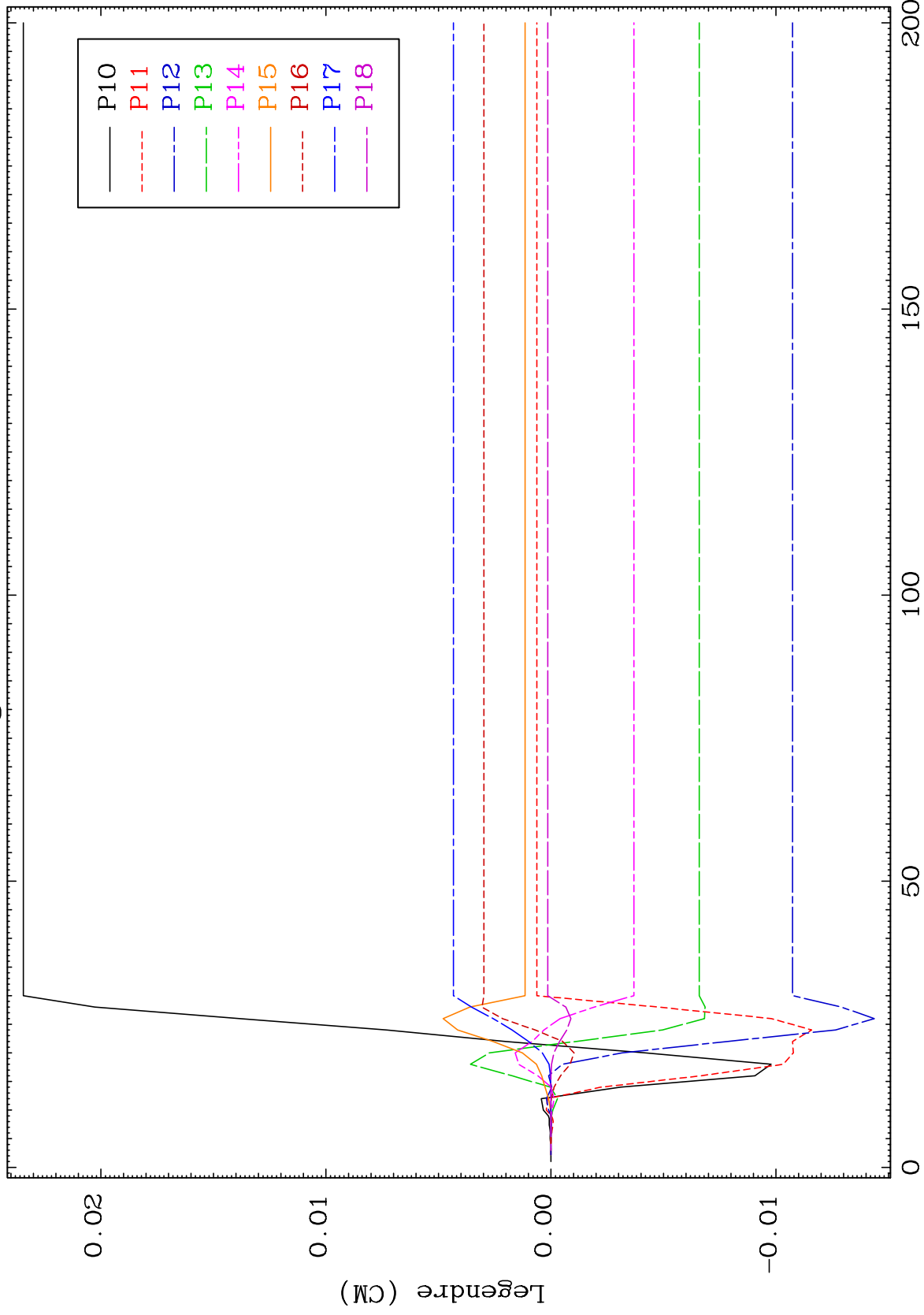
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



72

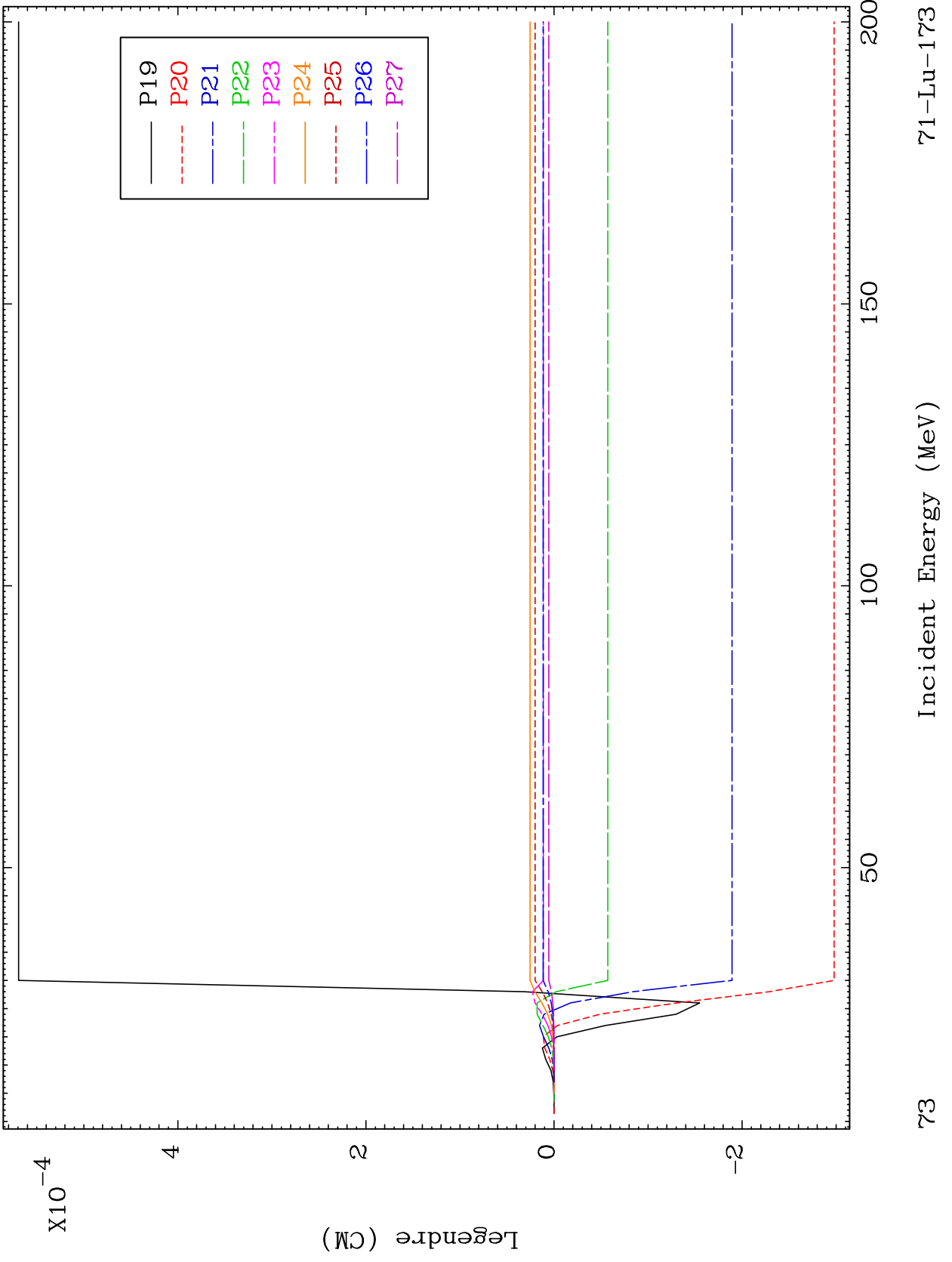
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

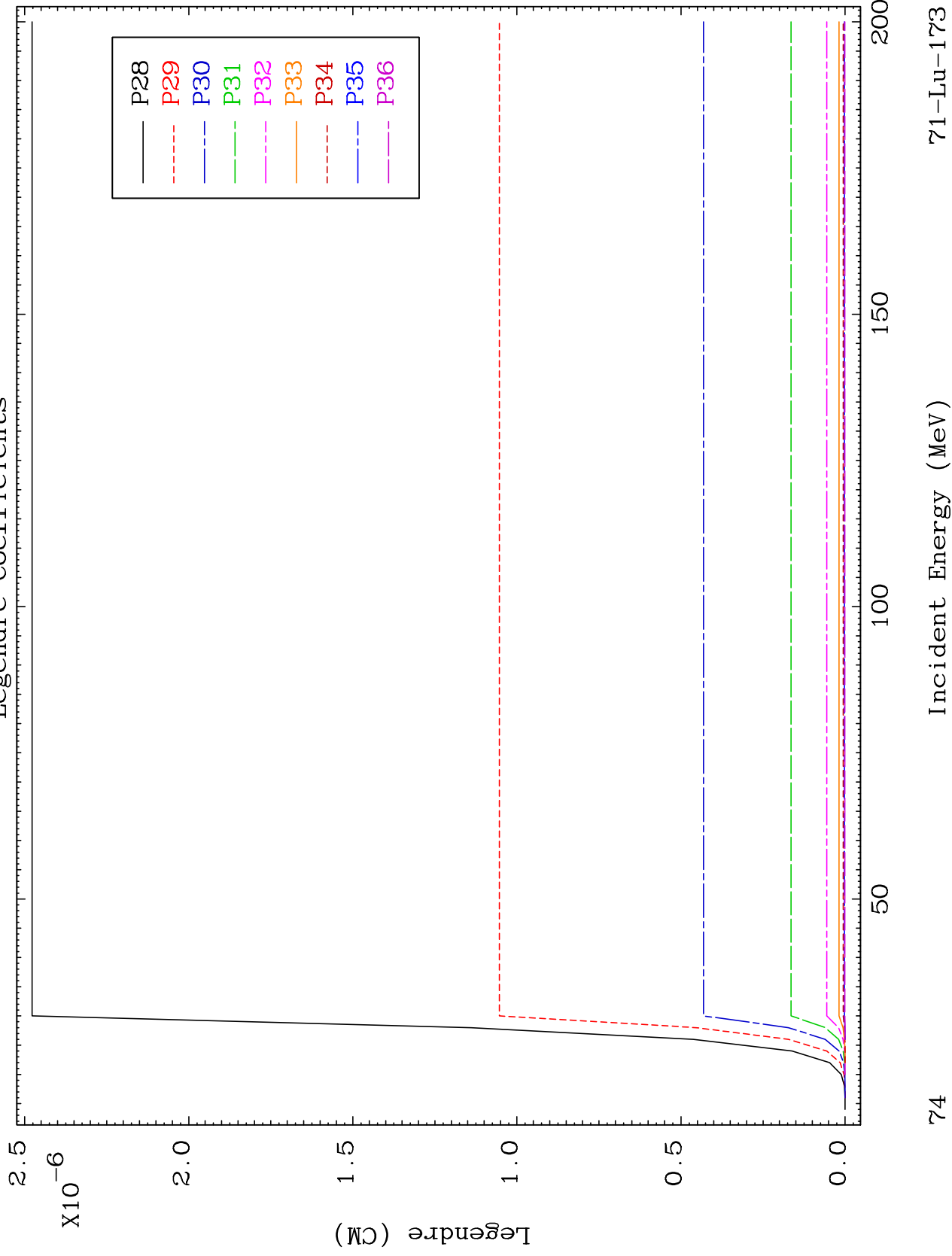
71-Lu-173



MAT 7119

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

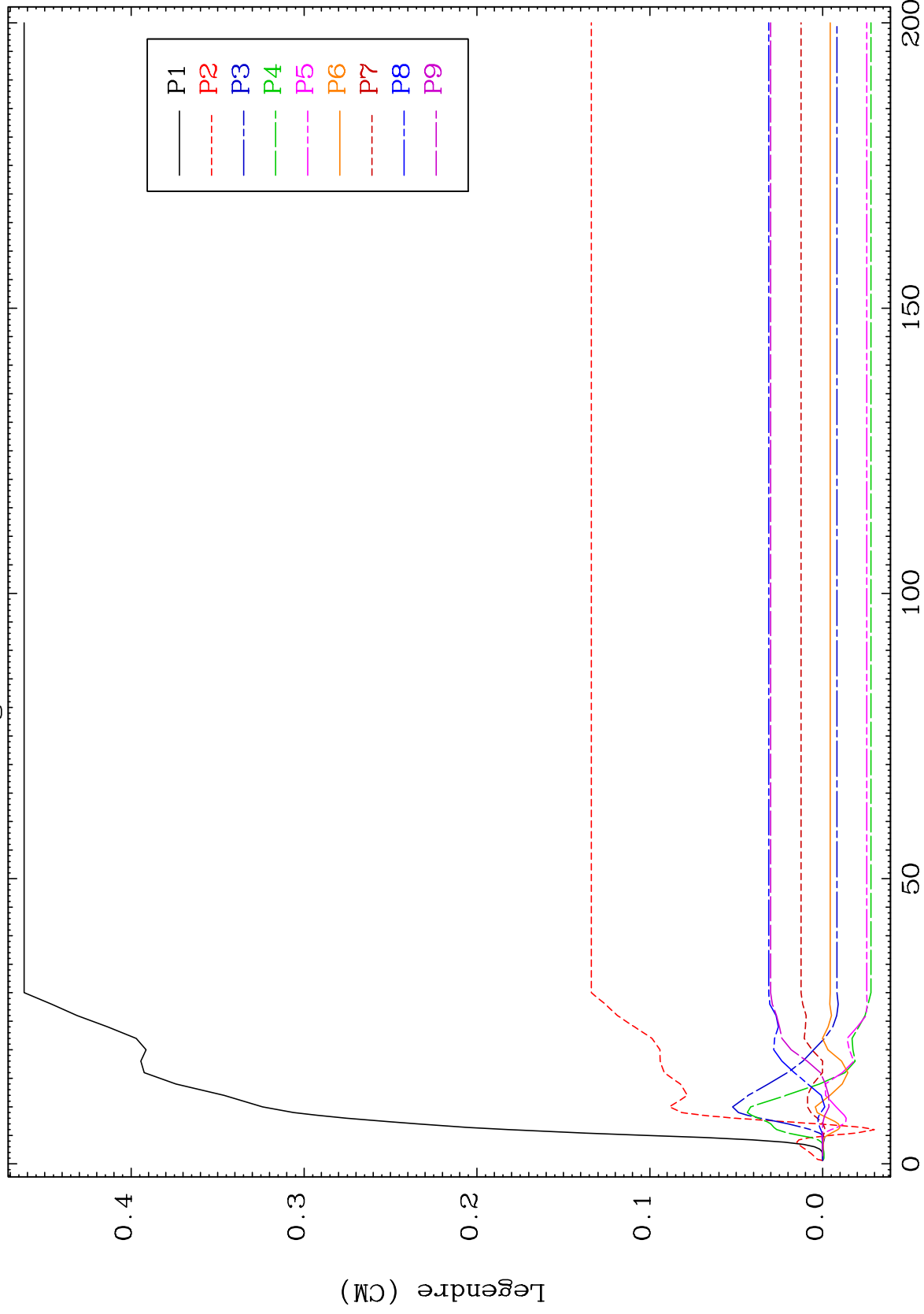
71-Lu-173



MAT 7119

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

71-Lu-173



75

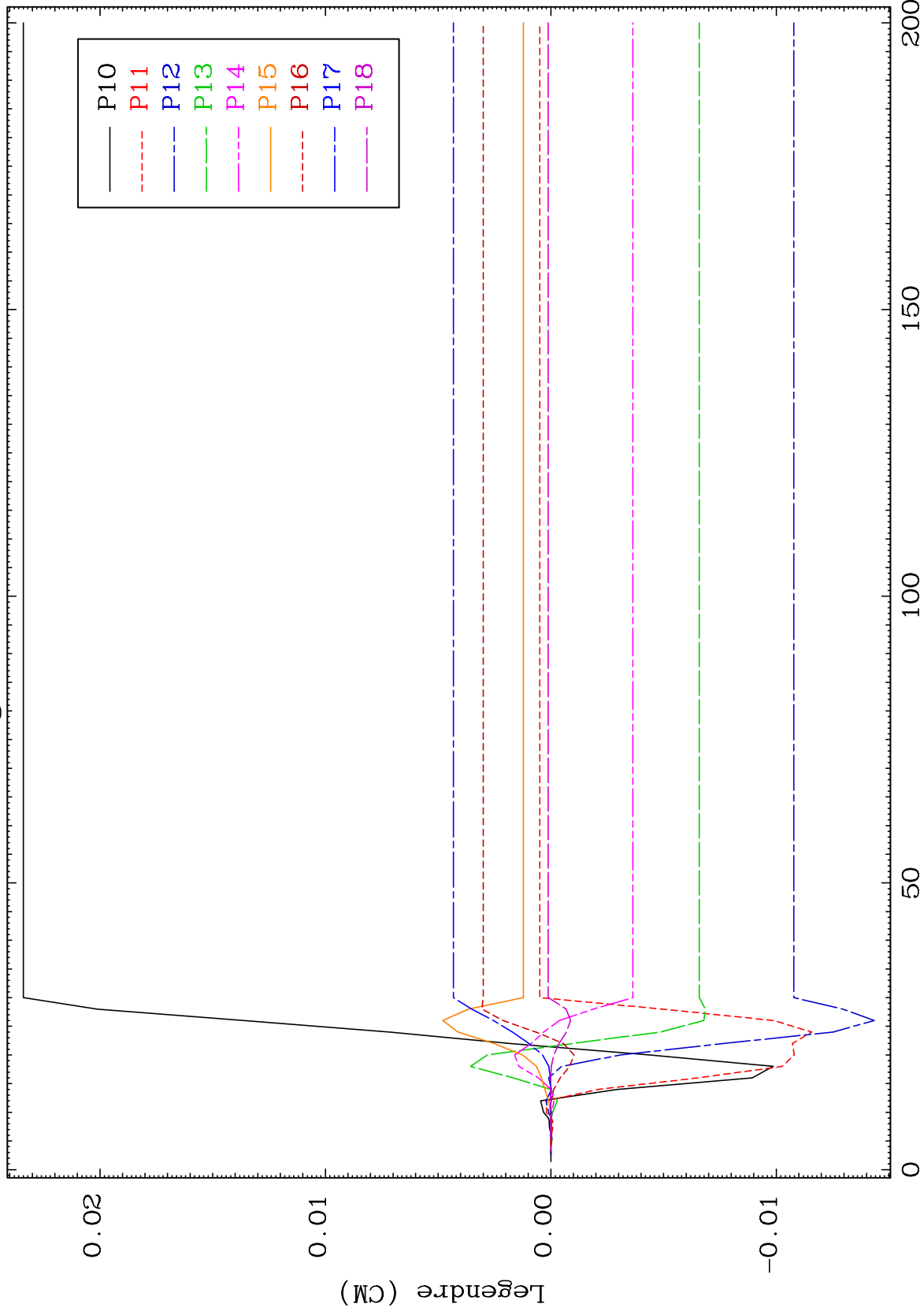
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



76

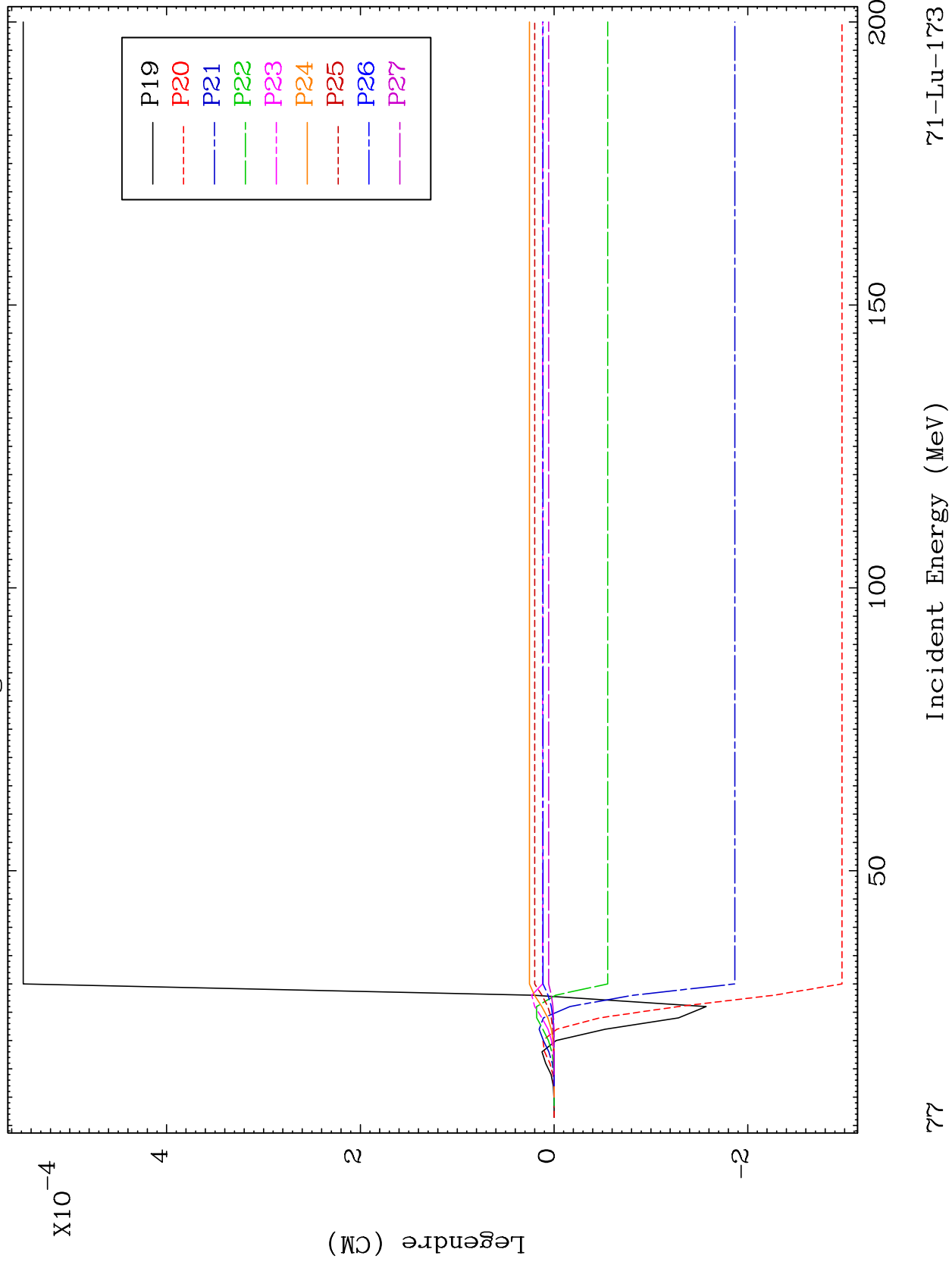
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



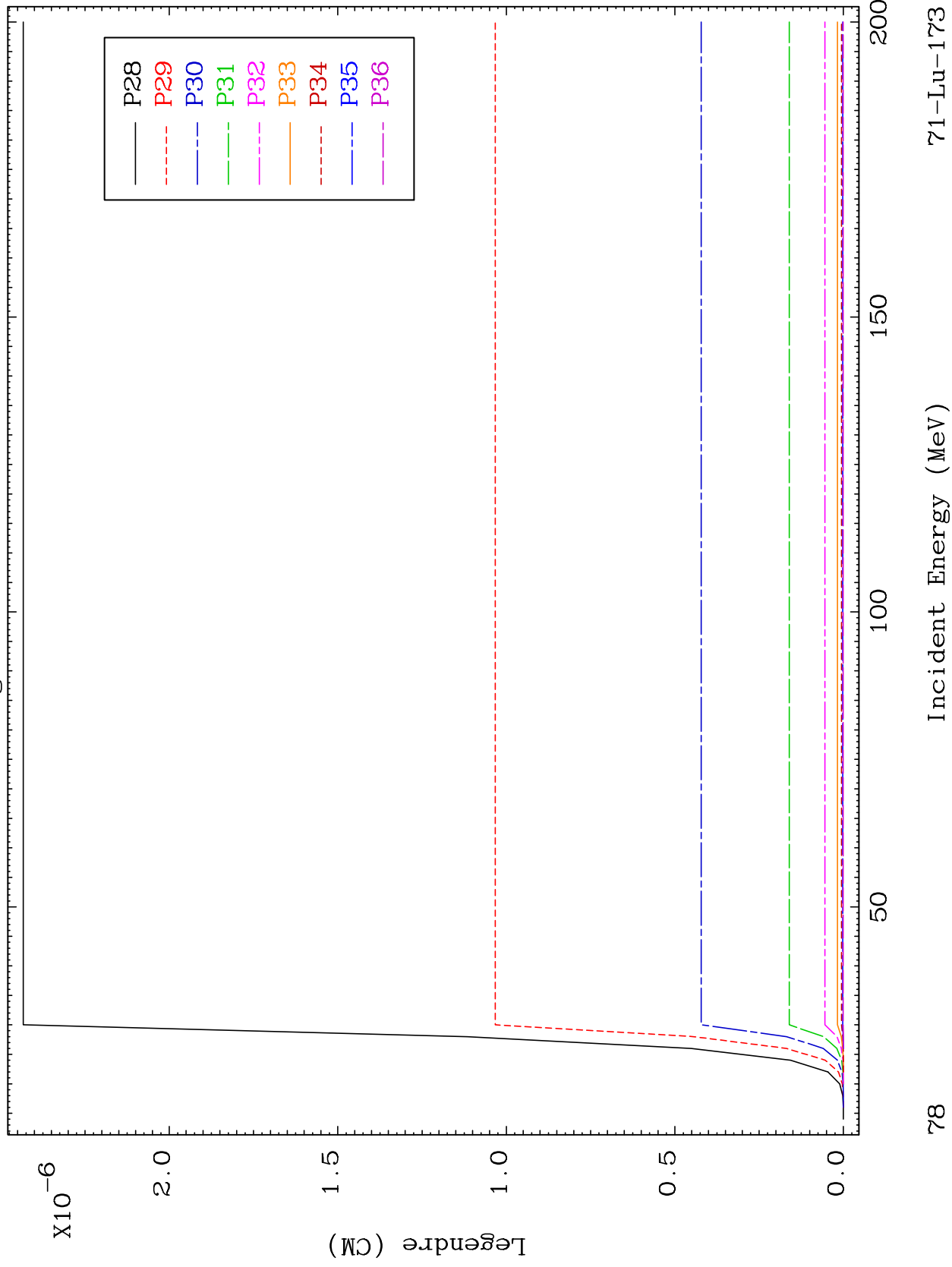
77

71-Lu-173

MAT 7119

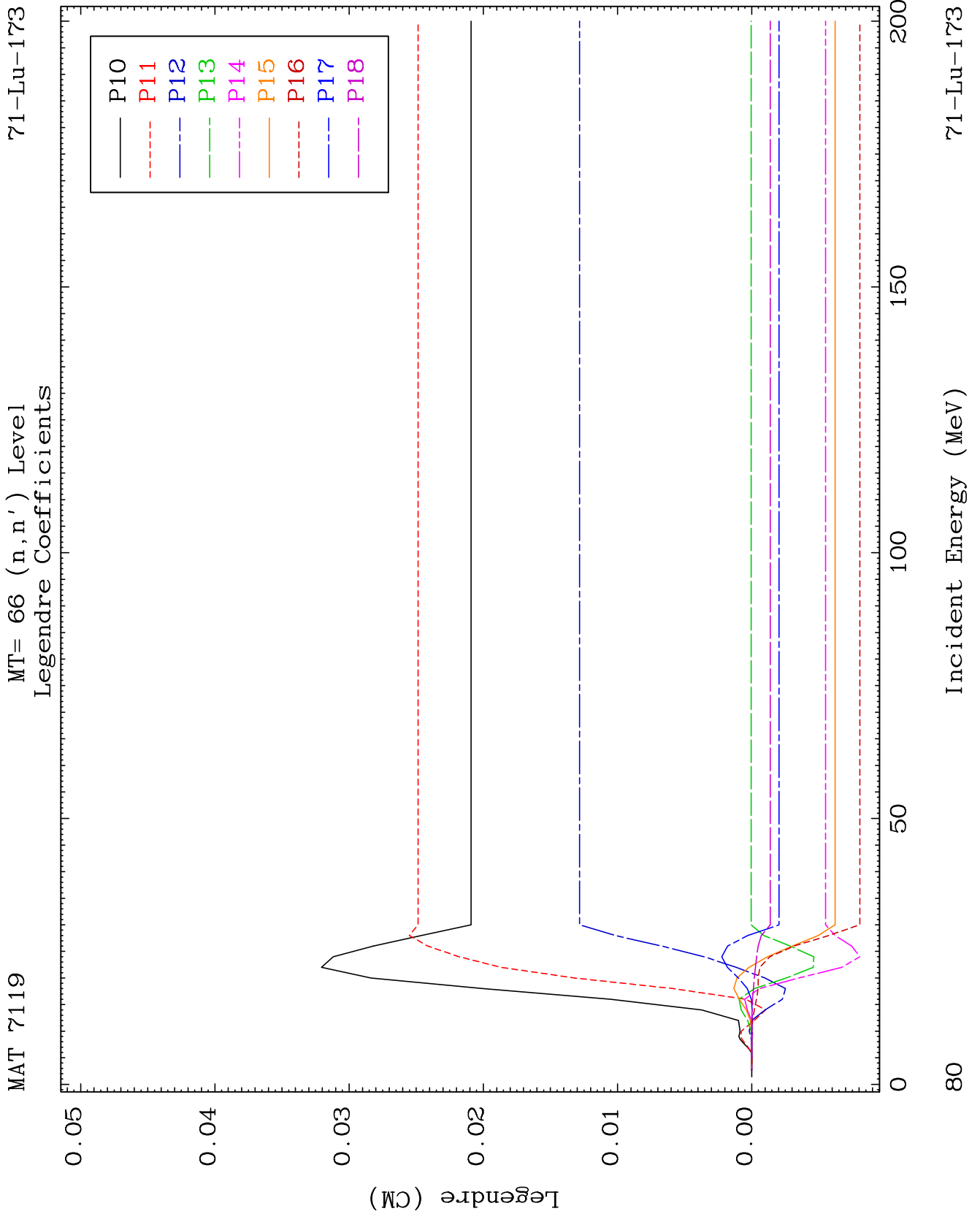
MT= 65 (n,n') Level  
Legendre Coefficients

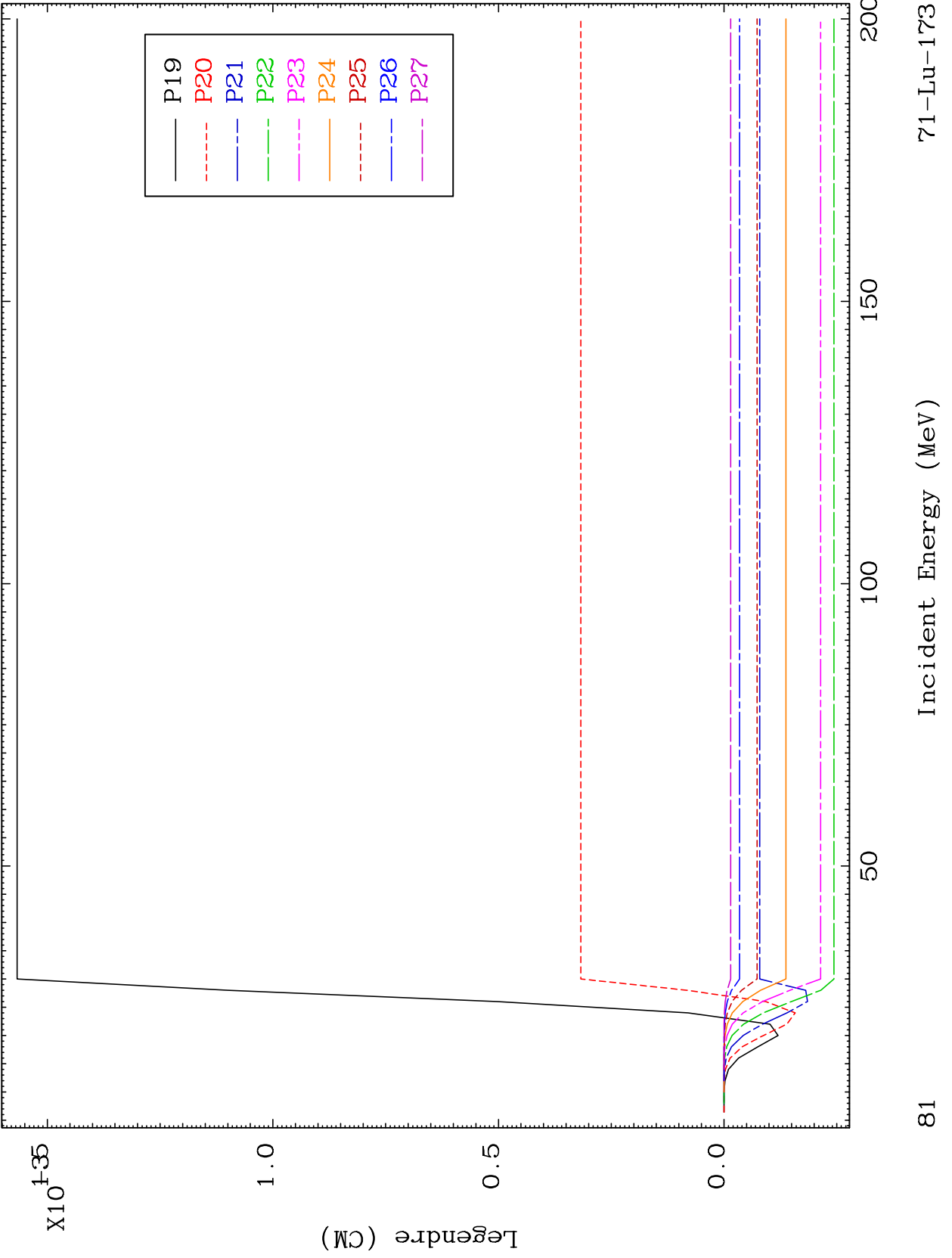
71-Lu-173

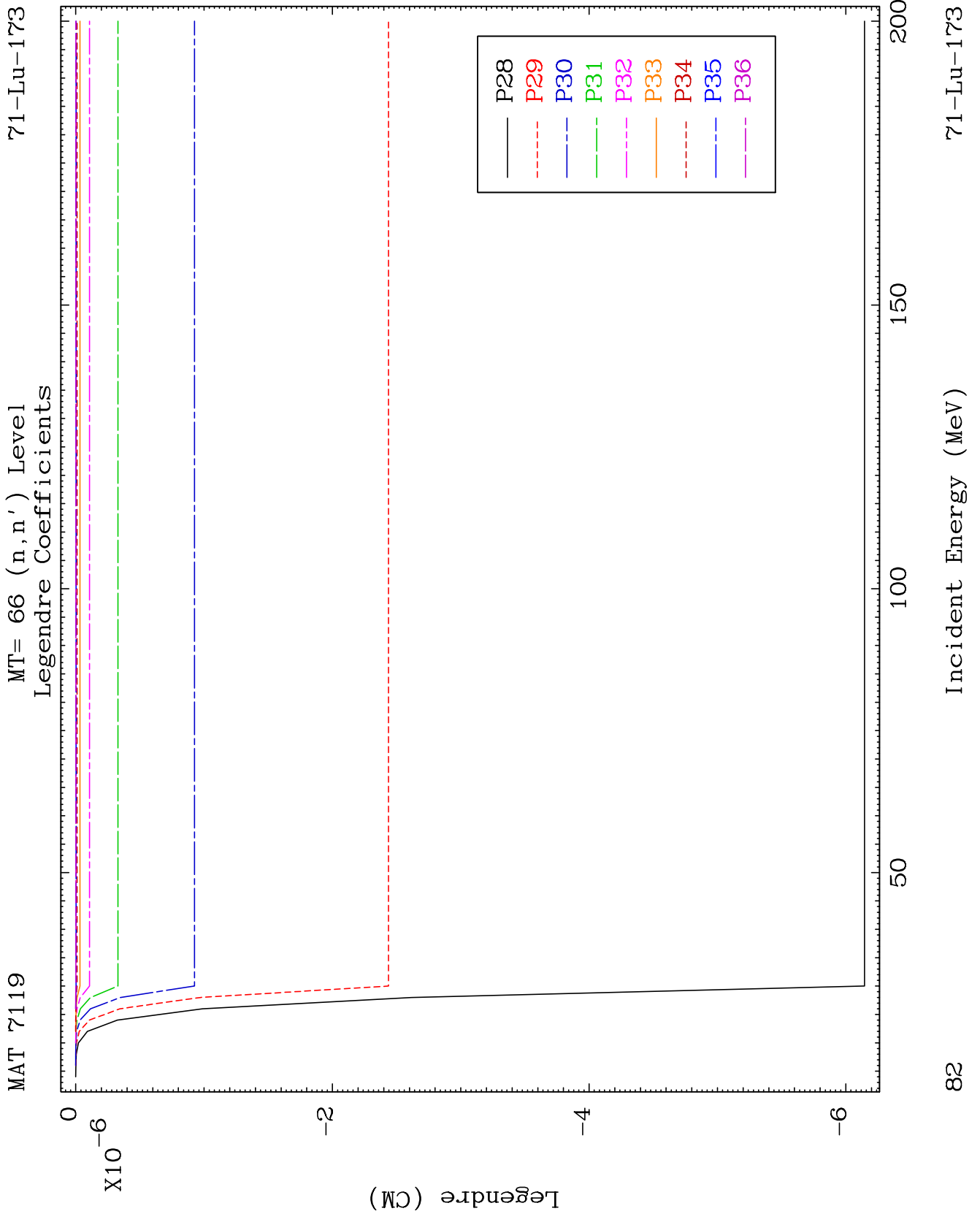


78





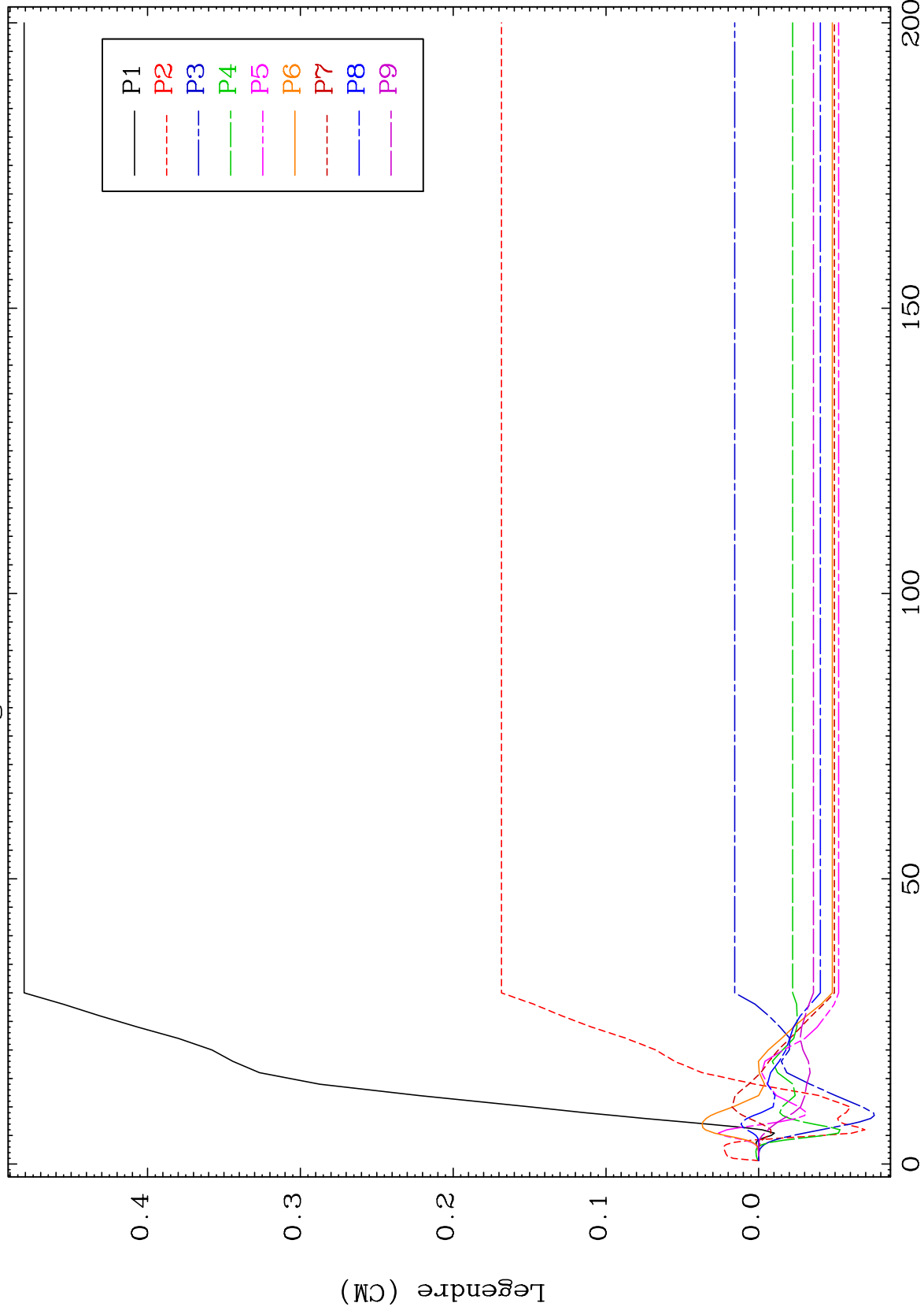




MAT 7119

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

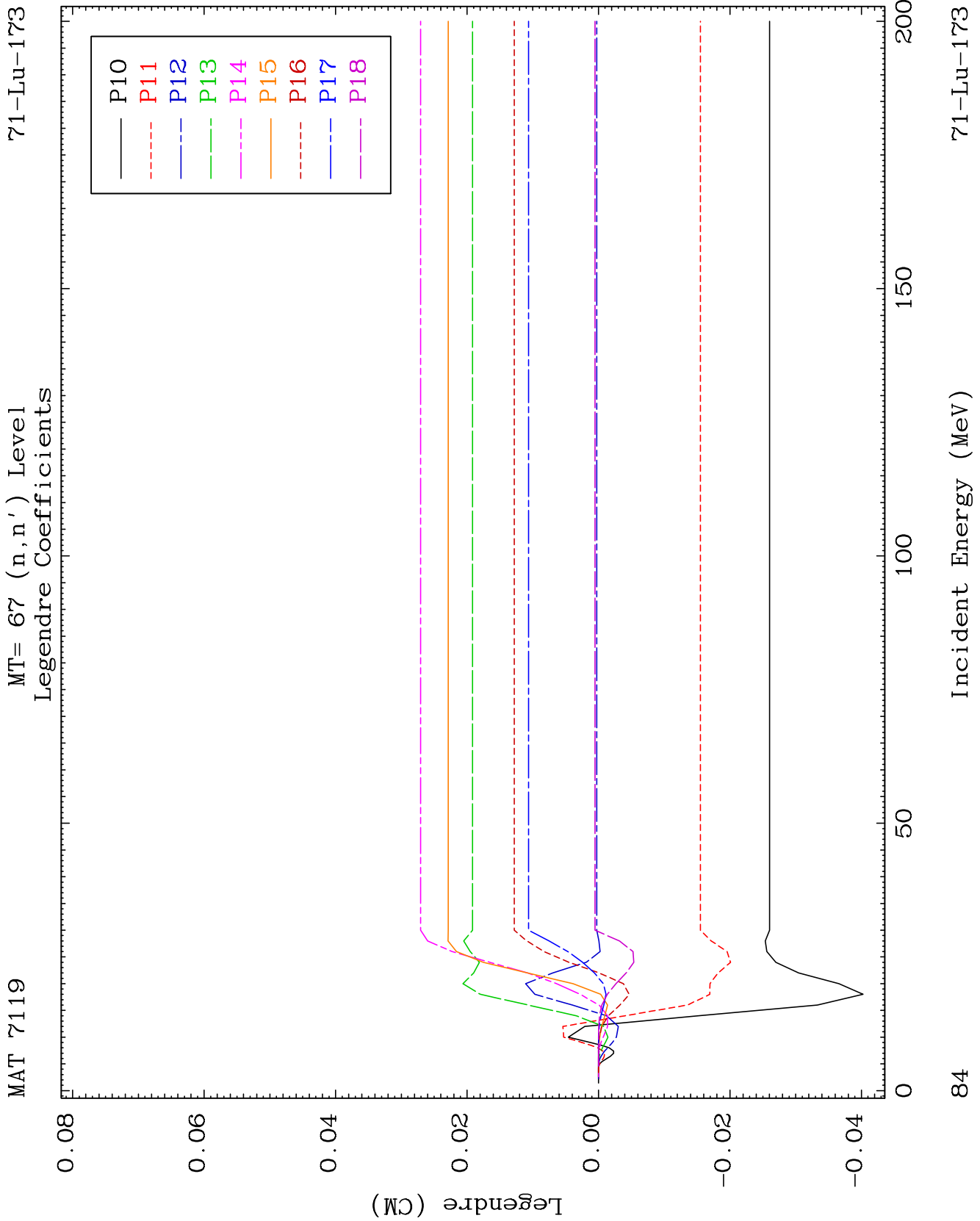
71-Lu-173



83

Incident Energy (MeV)

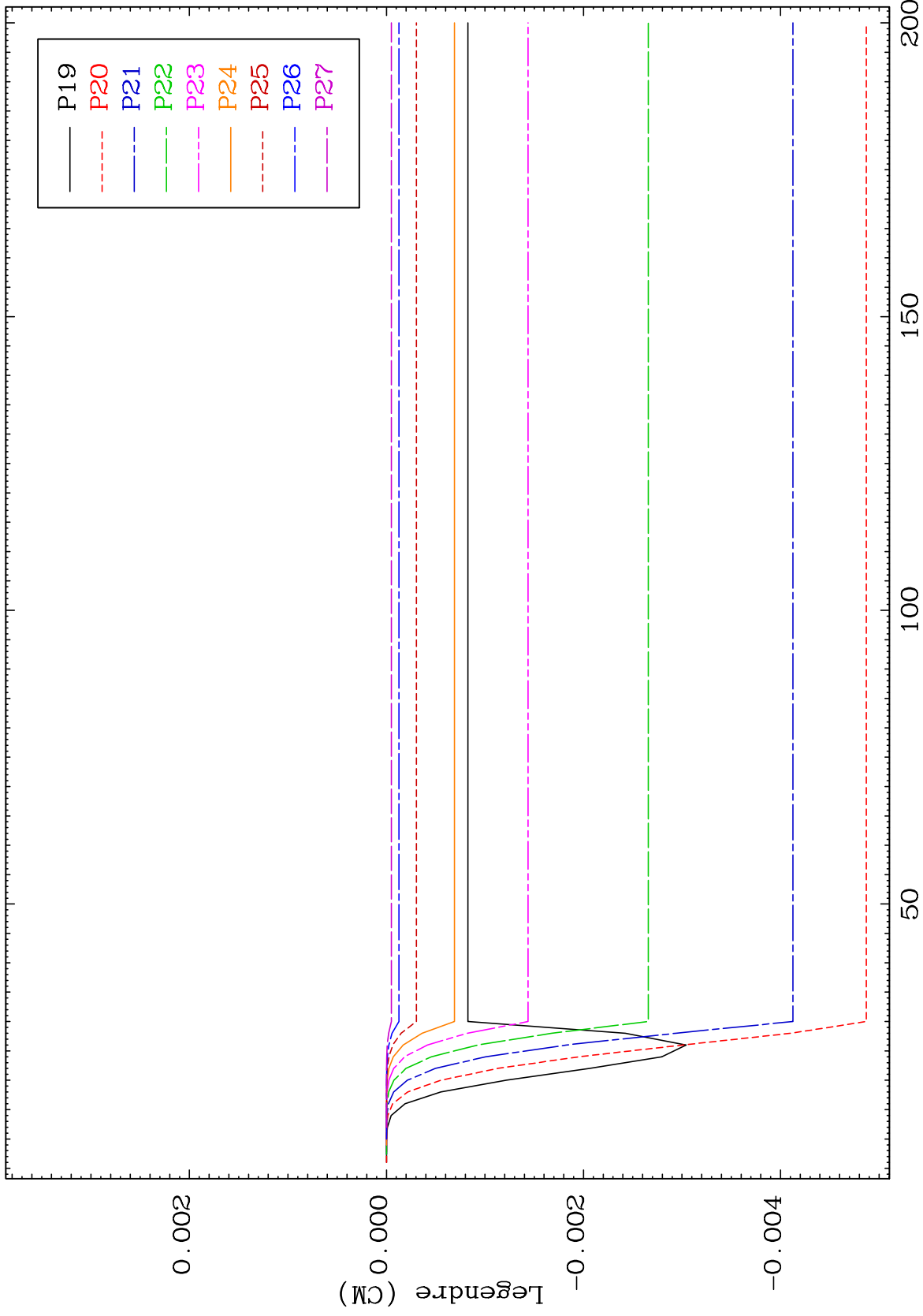
71-Lu-173



MAT 7119

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

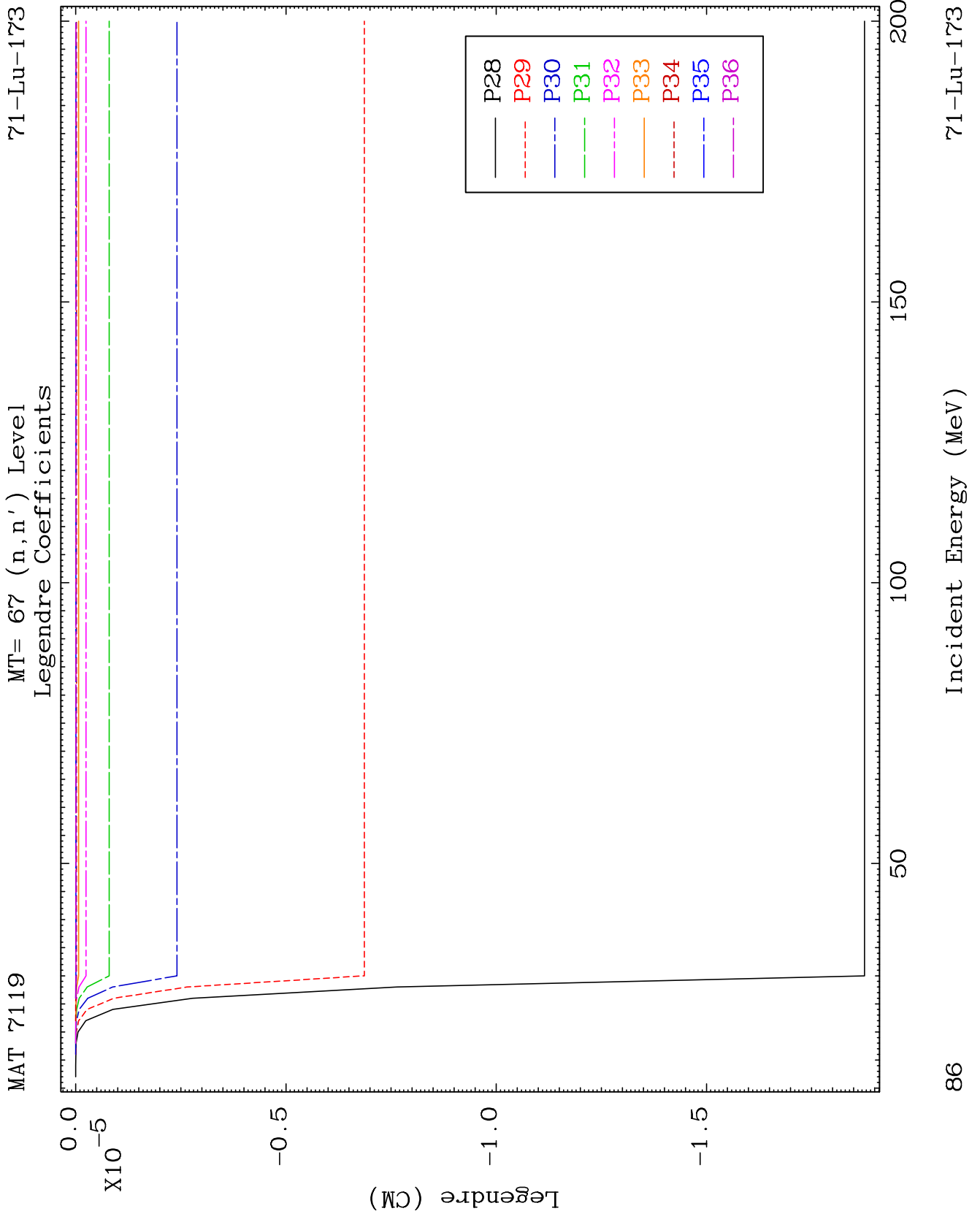
71-Lu-173



85

Incident Energy (MeV)

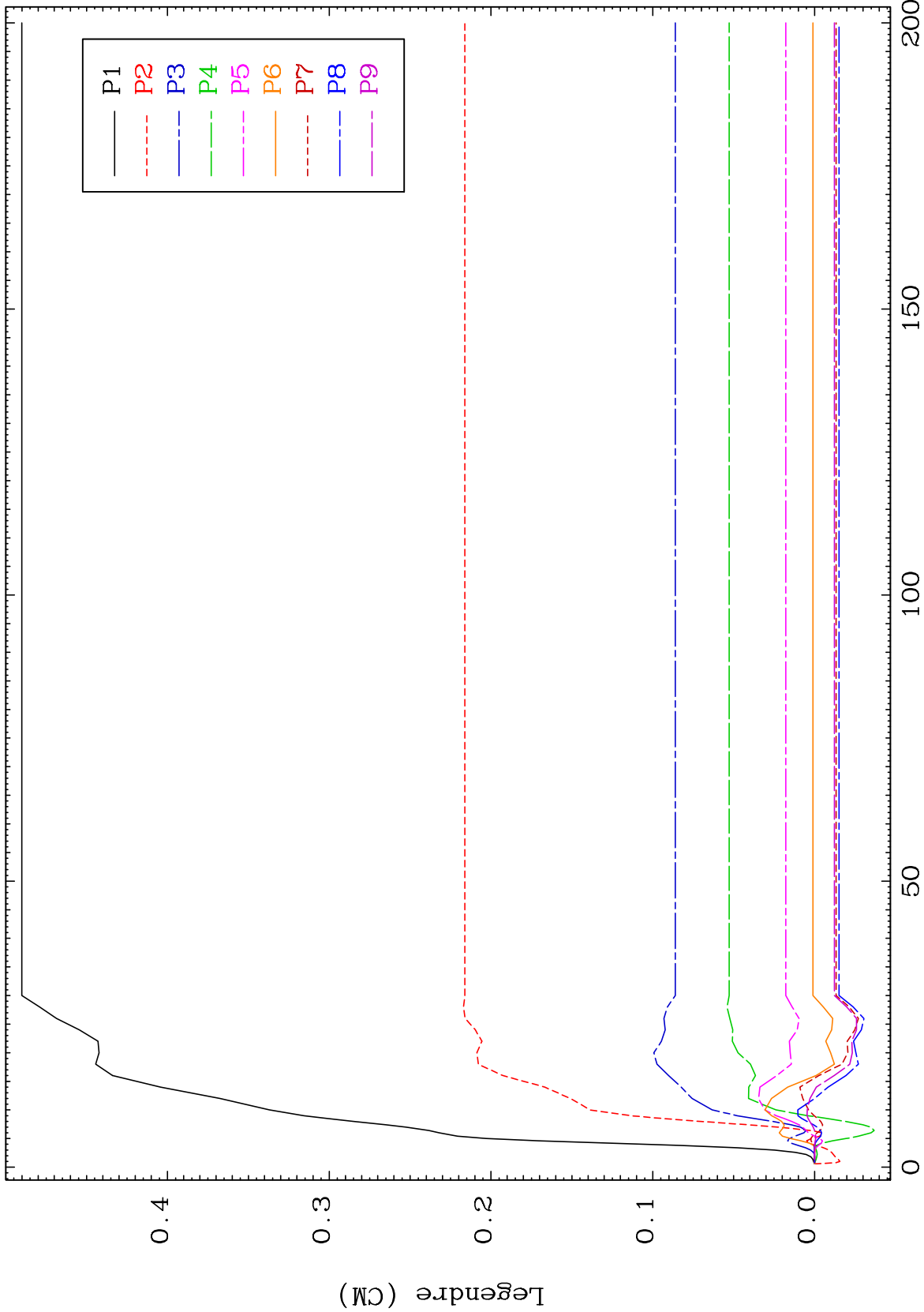
71-Lu-173



MAT 7119

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

71-Lu-173



87

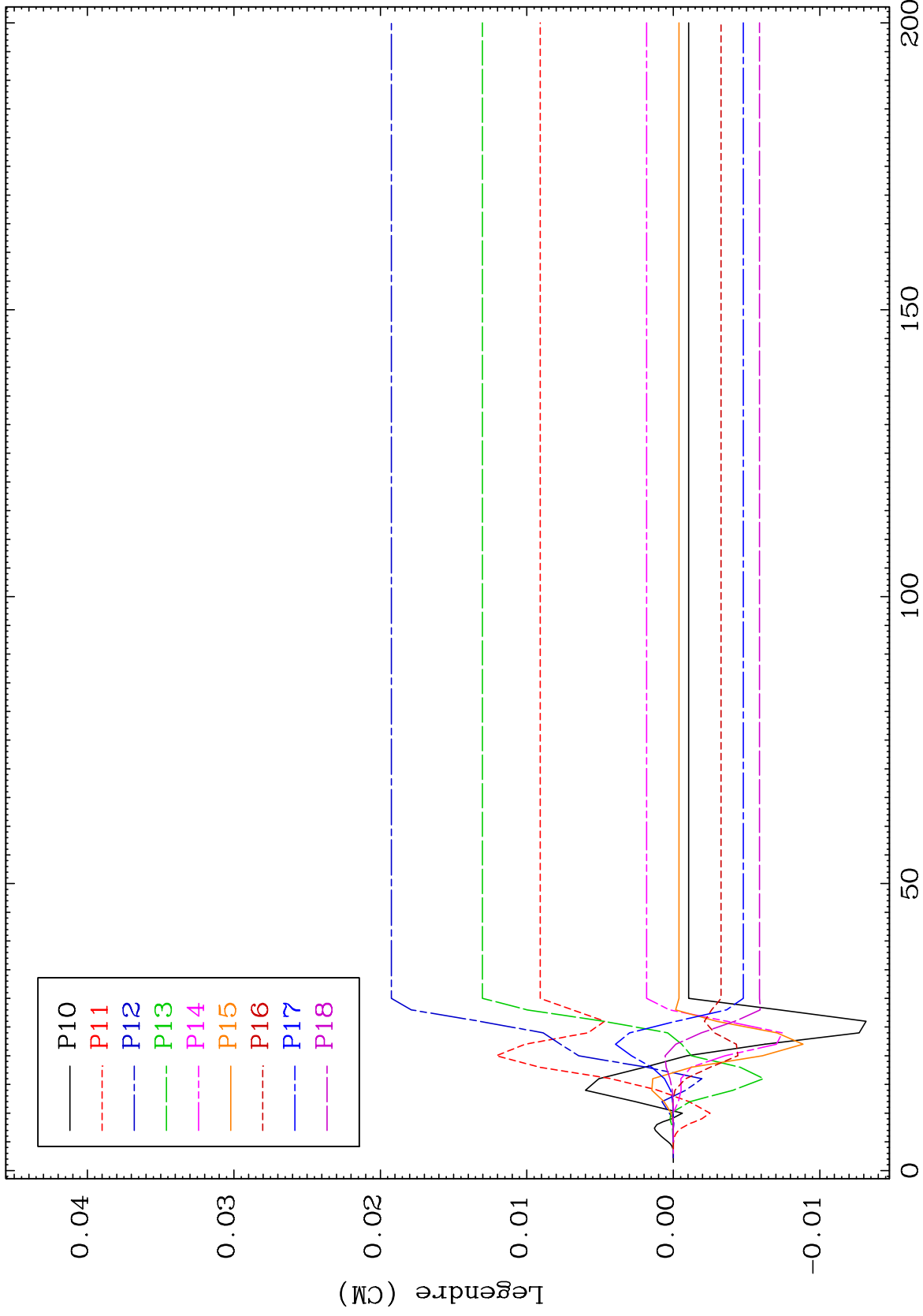
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

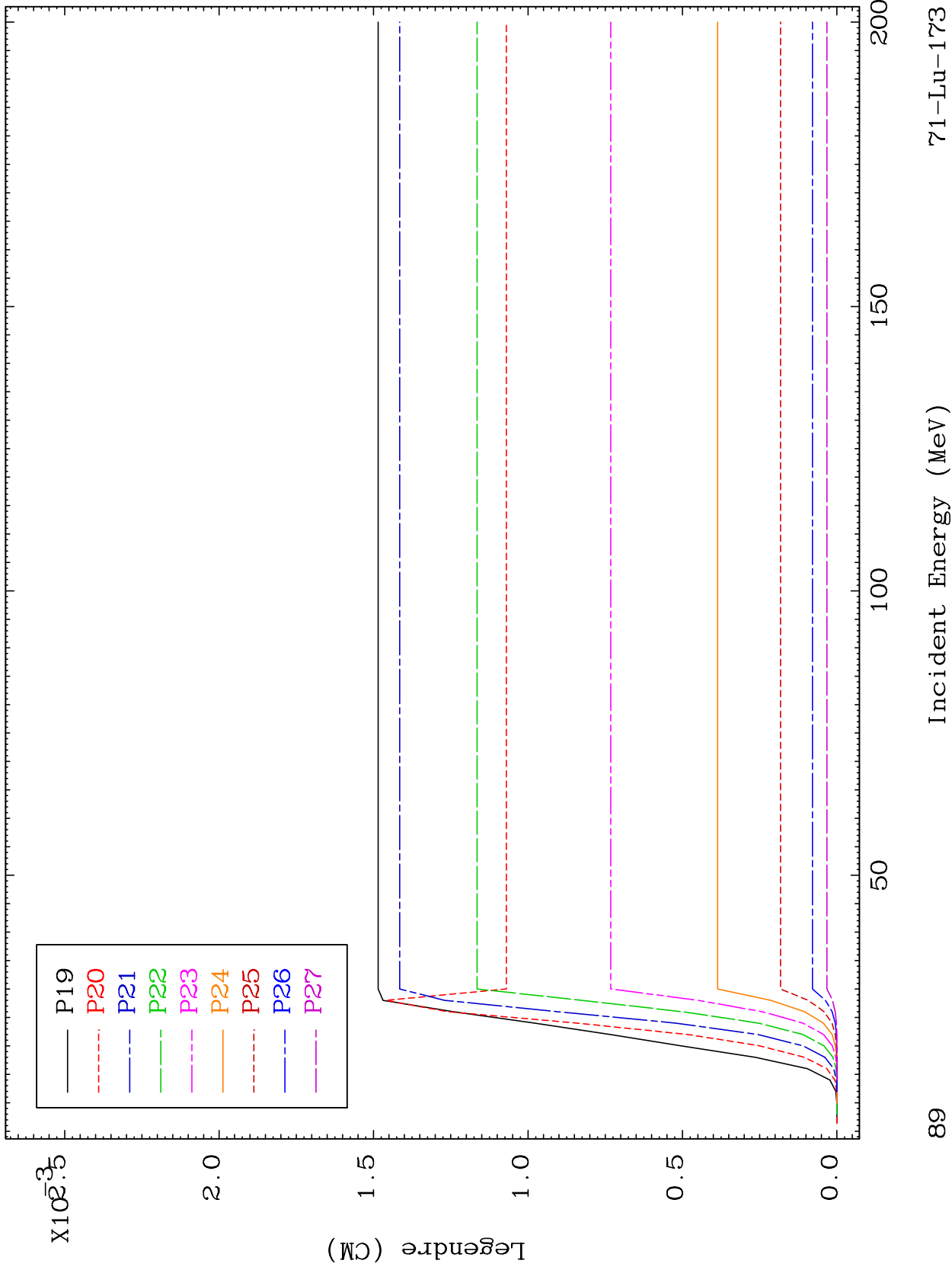
71-Lu-173



88

Incident Energy (MeV)

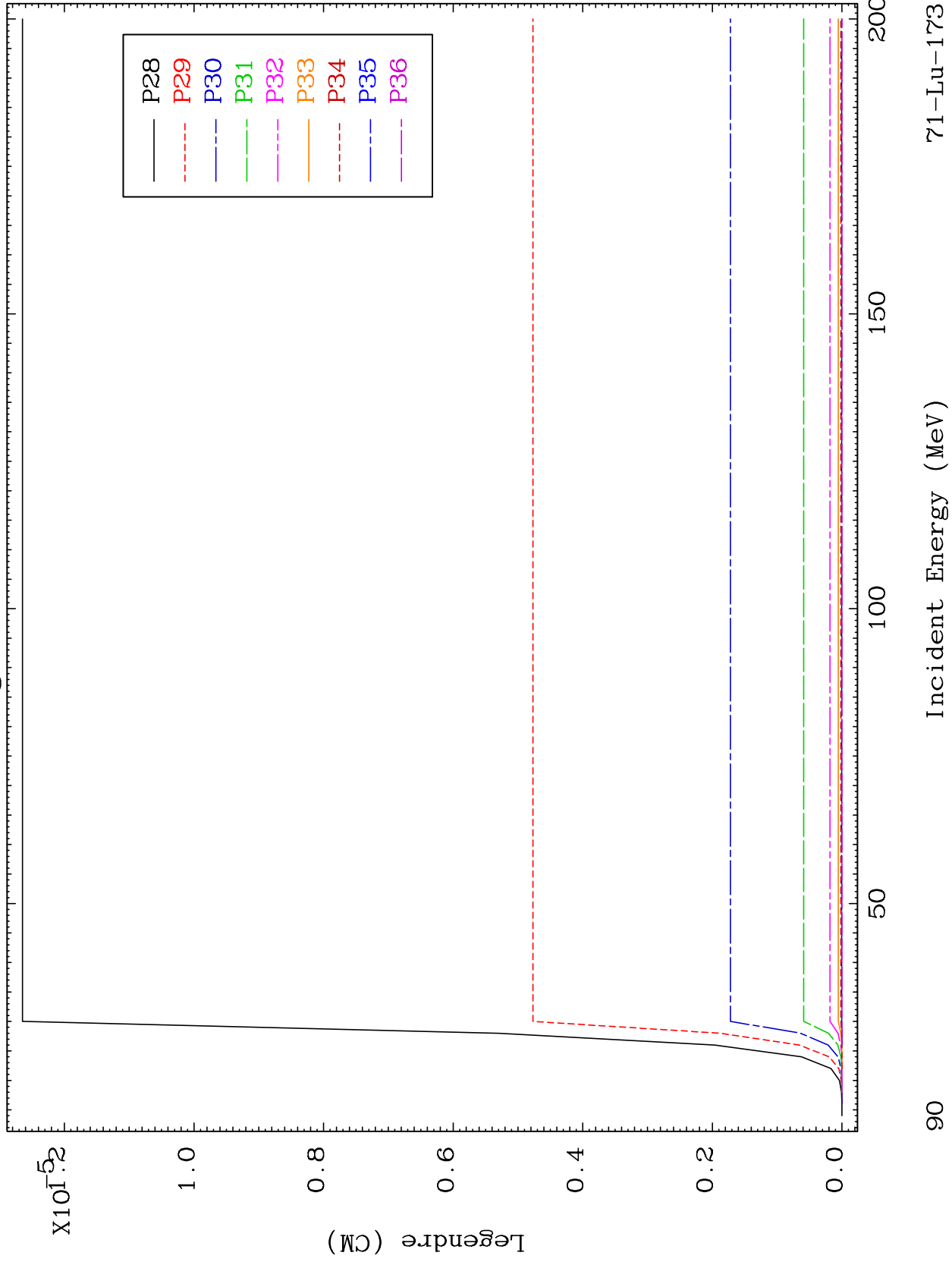
71-Lu-173



MAT 7119

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

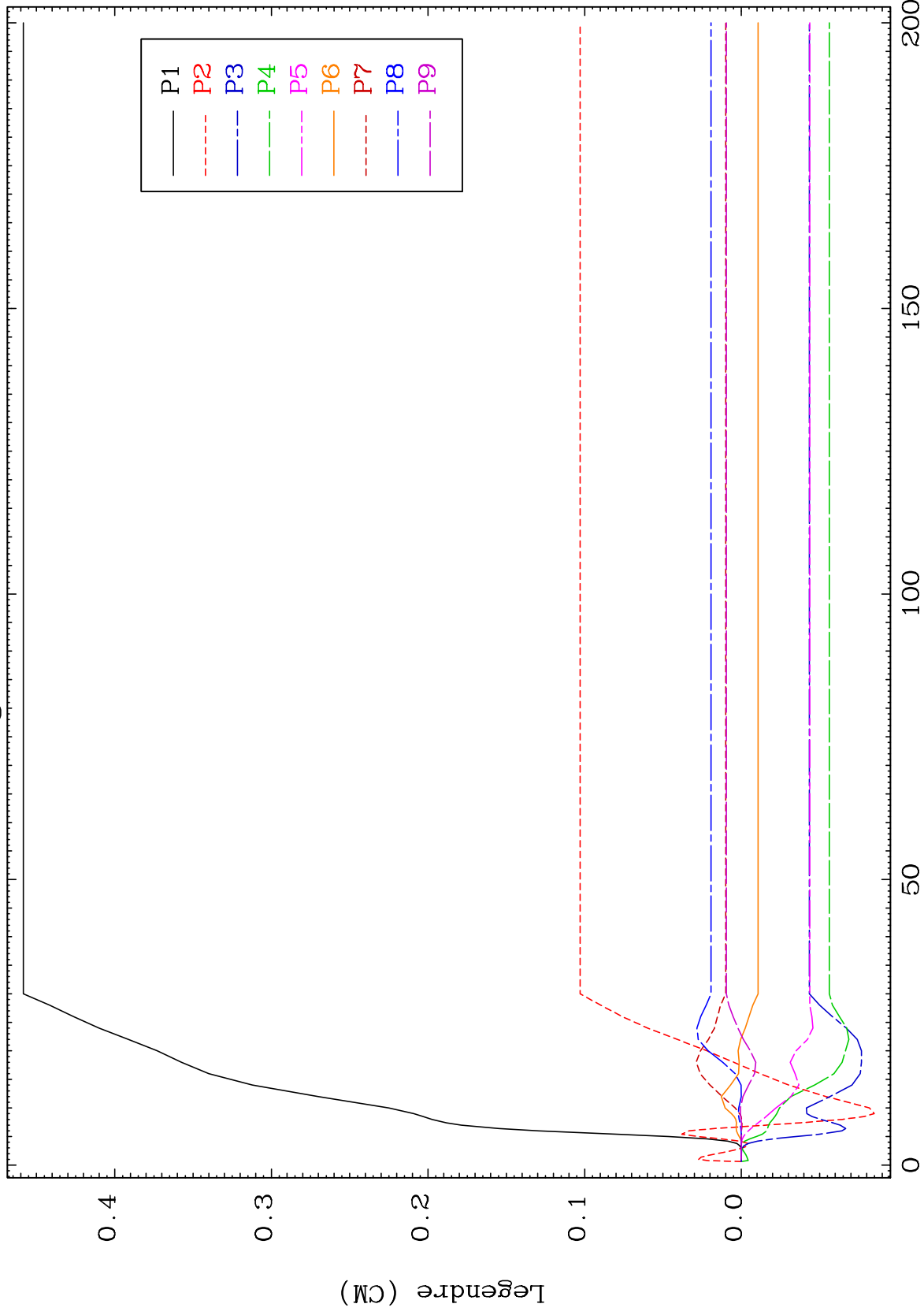
71-Lu-173



MAT 7119

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

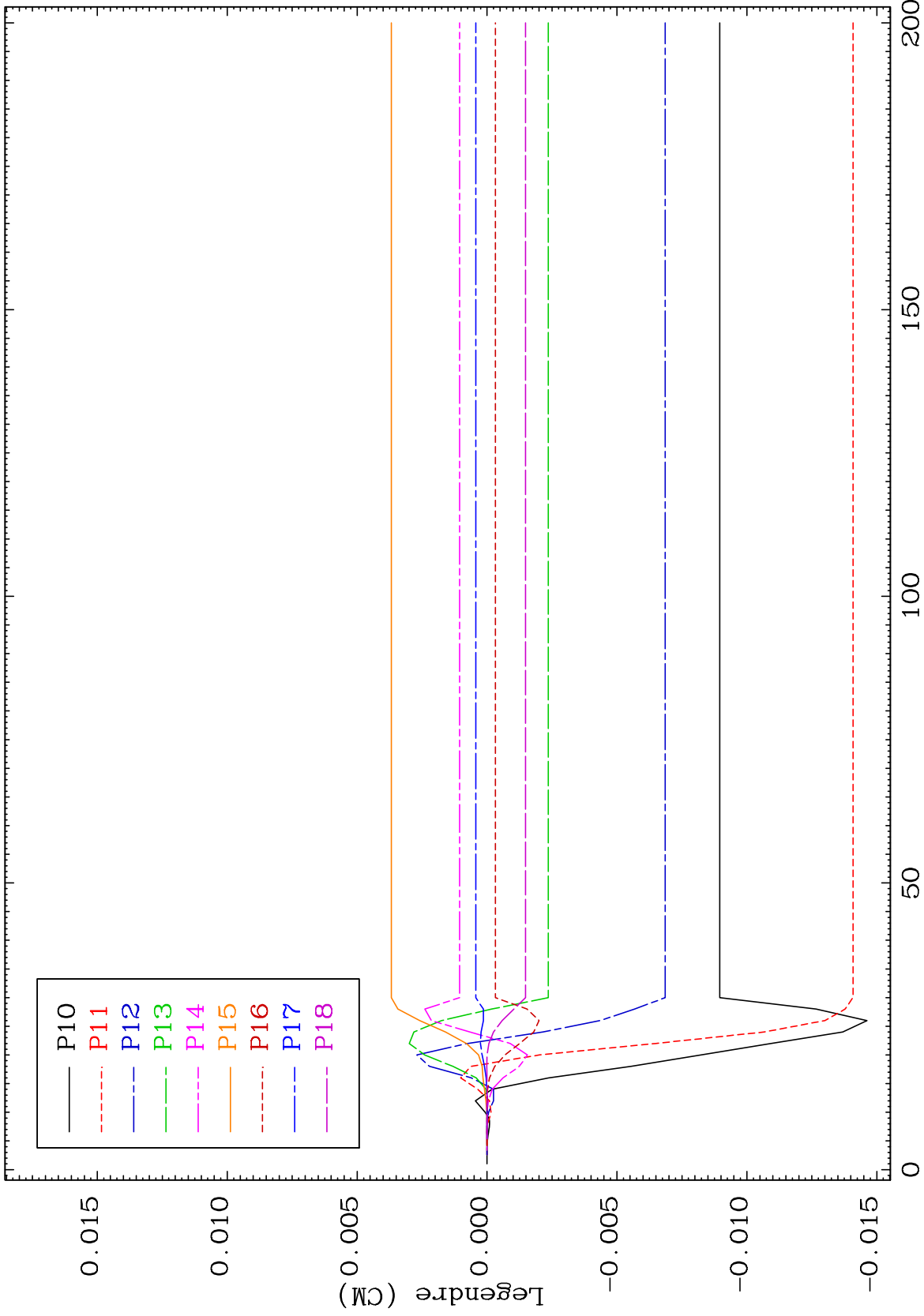
71-Lu-173

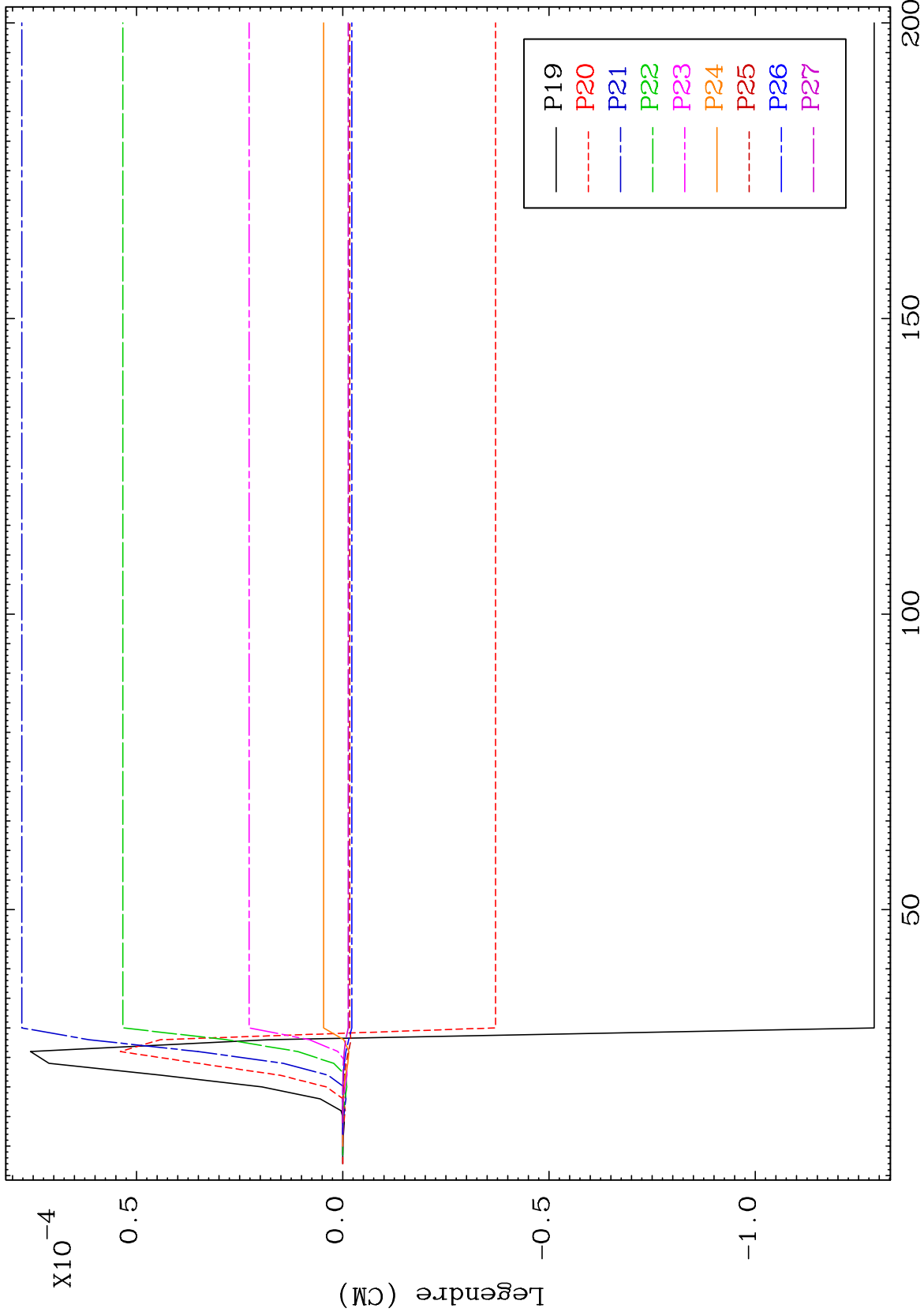


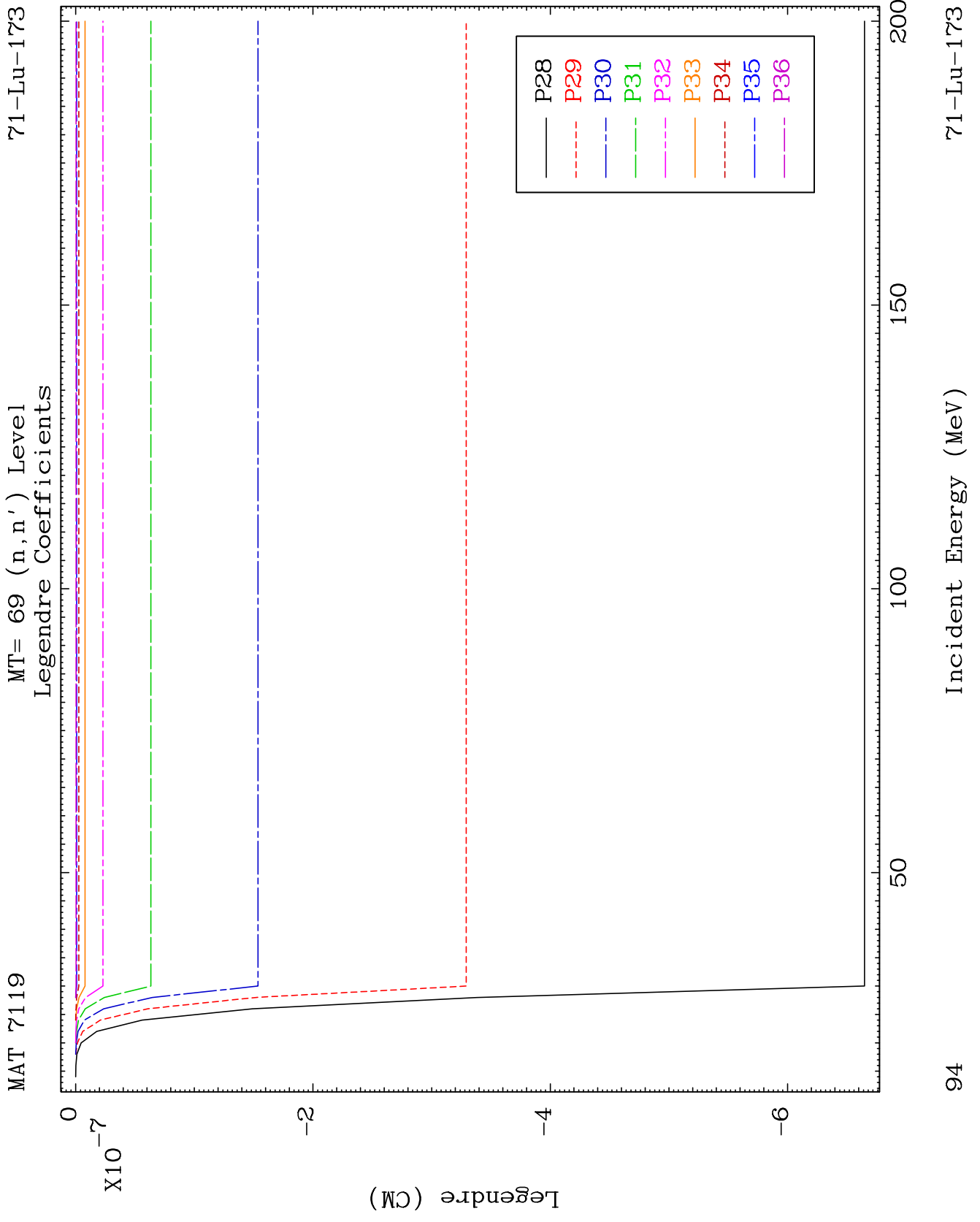
91

Incident Energy (MeV)

71-Lu-173



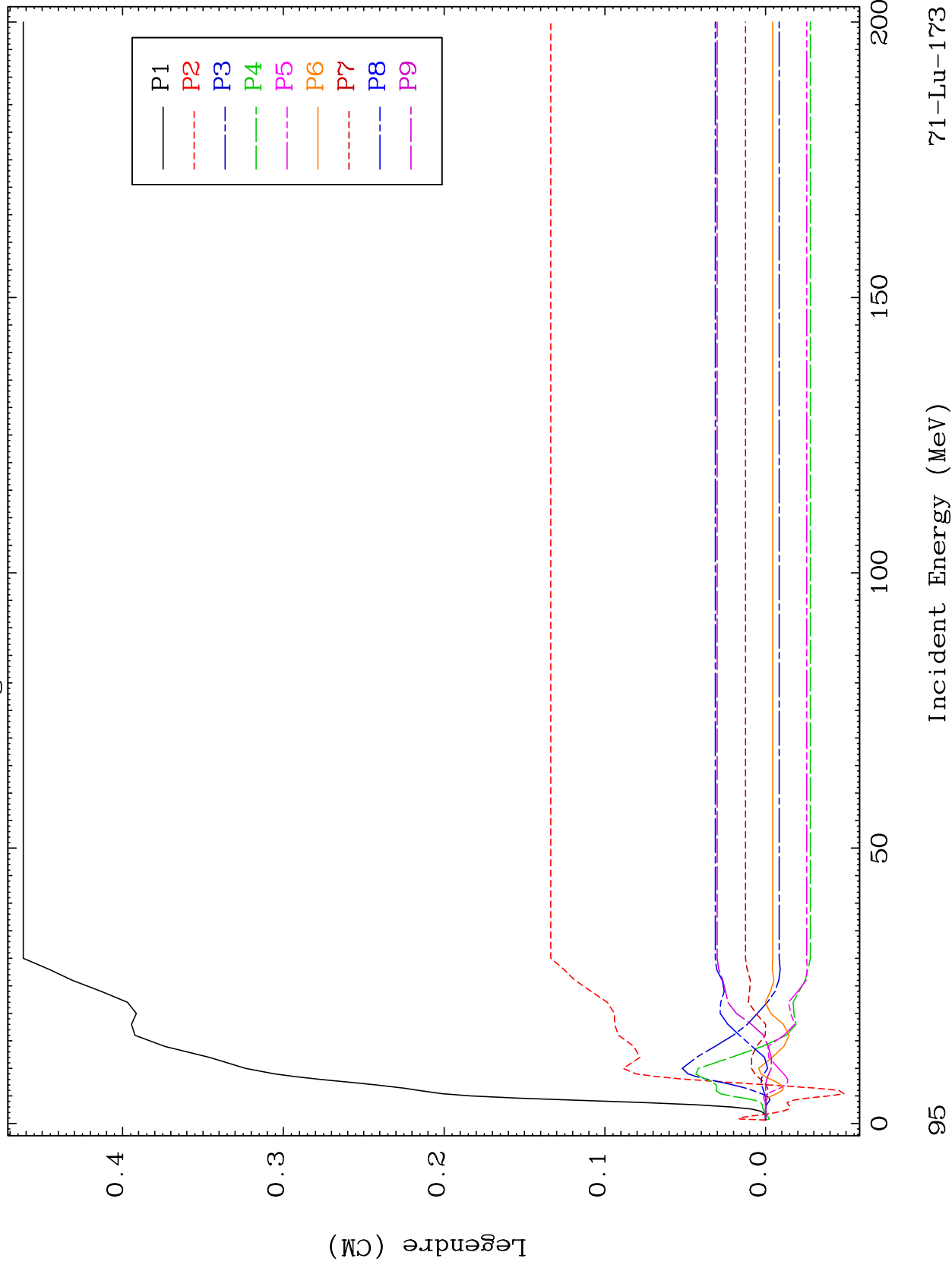




MAT 7119

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

71-Lu-173



71-Lu-173

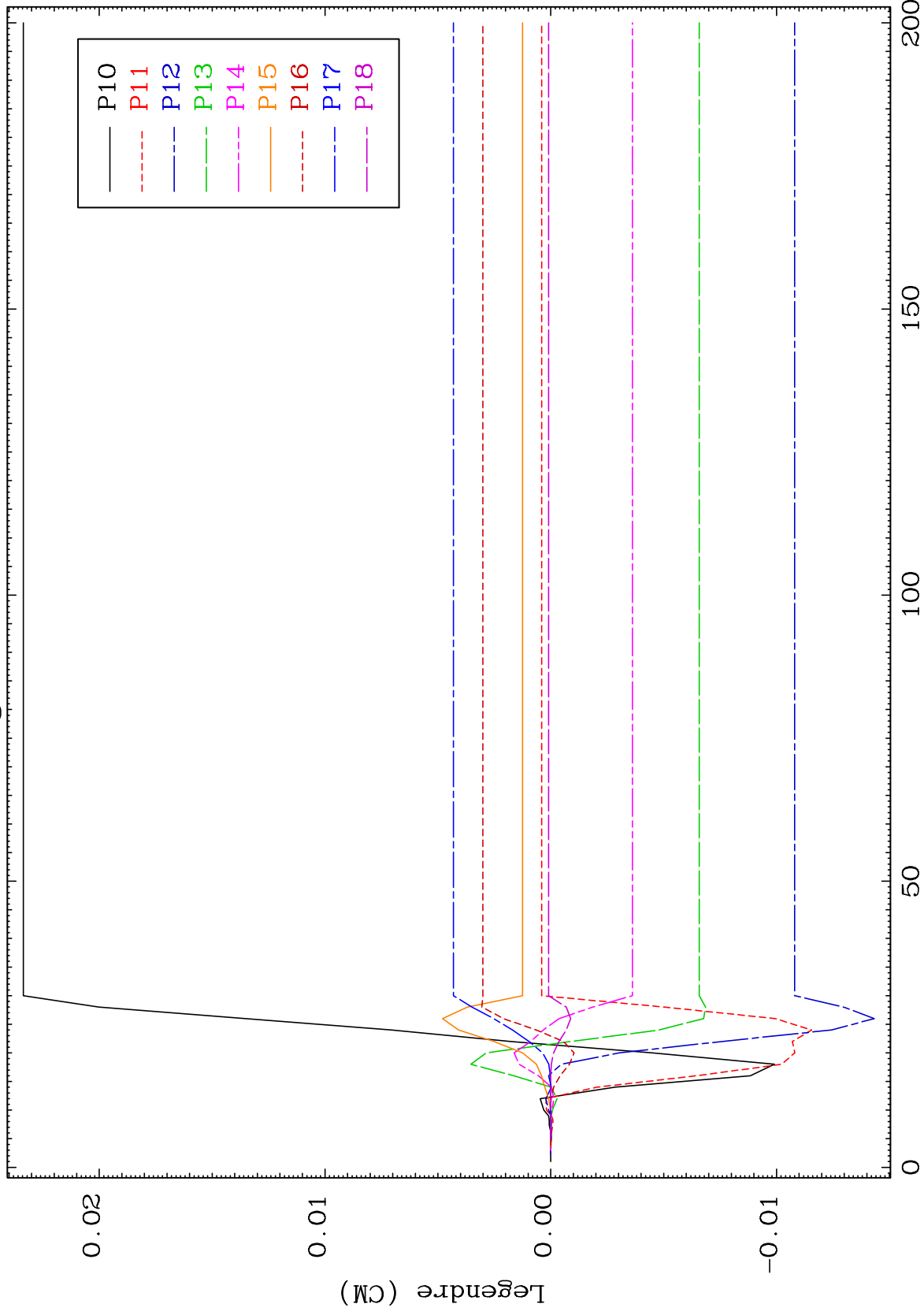
Incident Energy (MeV)

95

MAT 7119

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

71-Lu-173



96

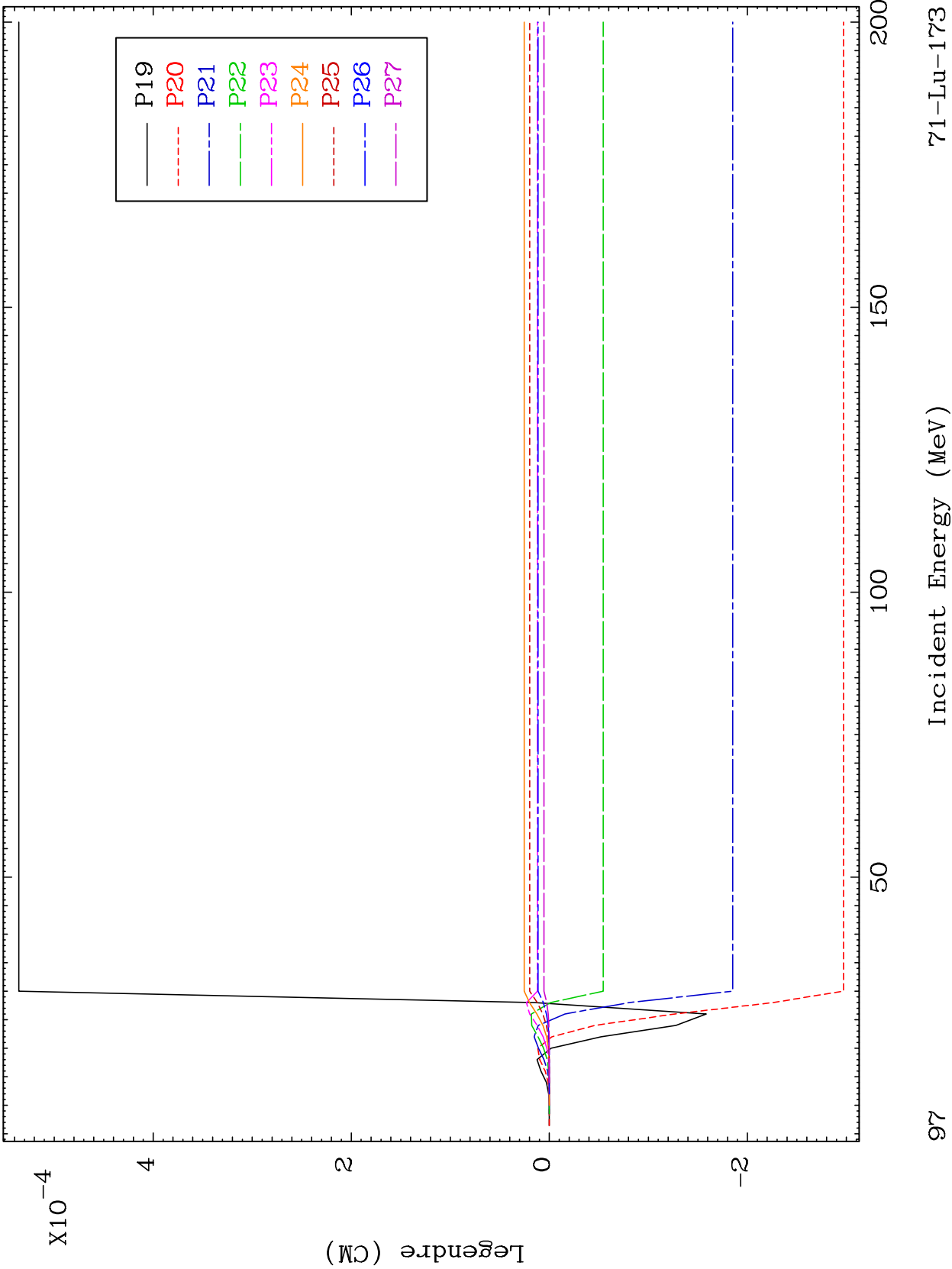
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

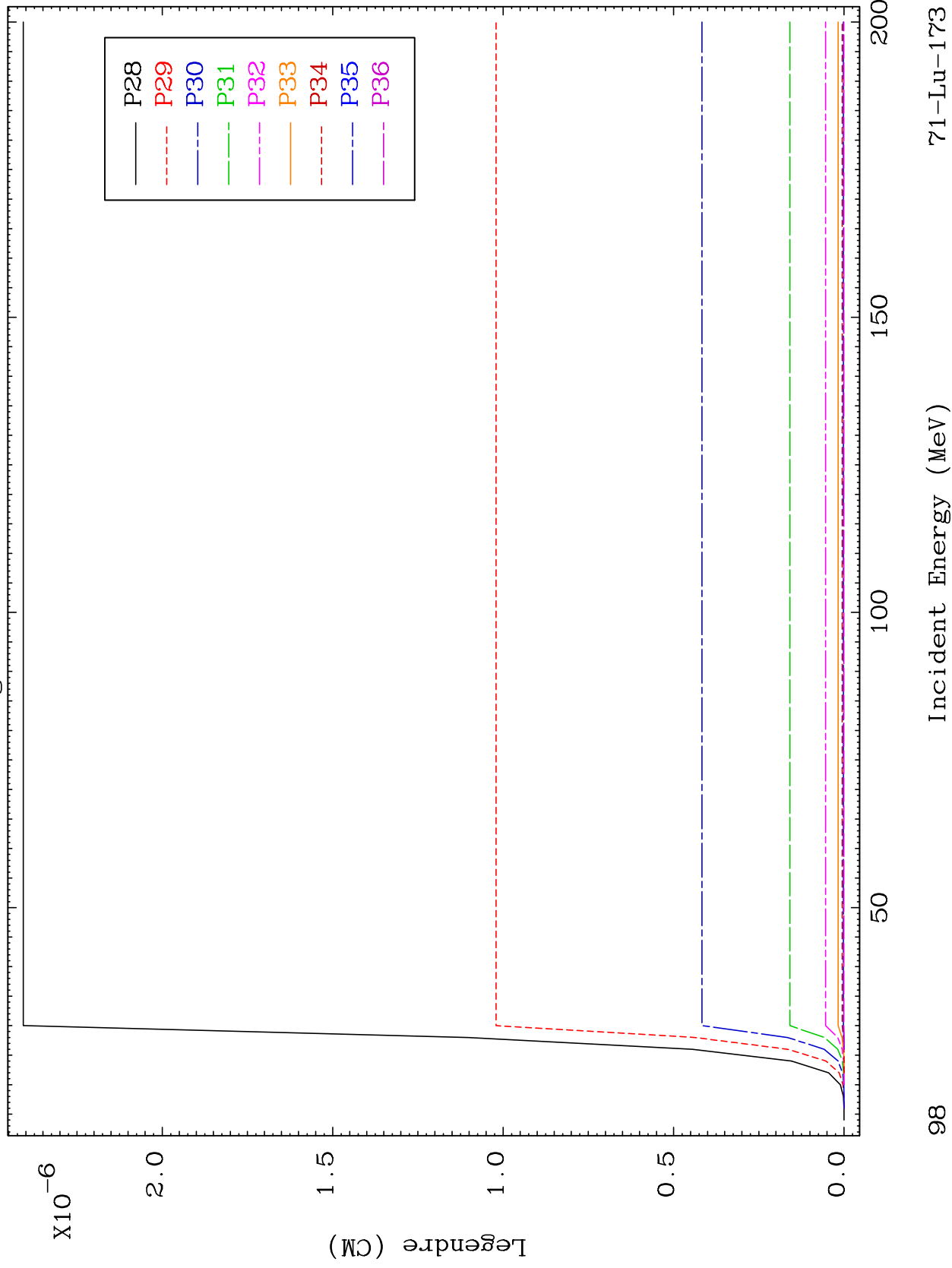
71-Lu-173



MAT 7119

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

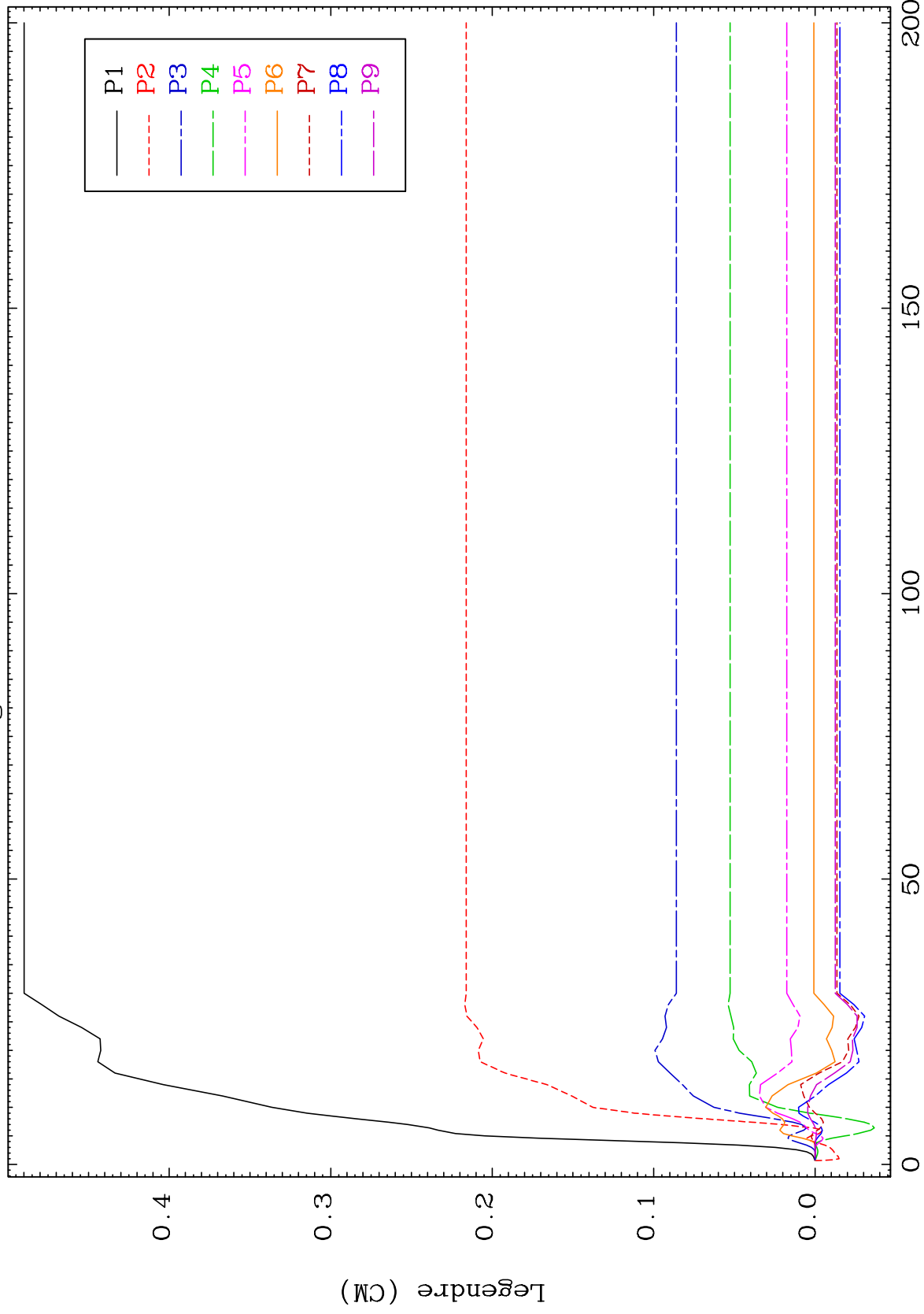
71-Lu-173



MAT 7119

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

71-Lu-173



99

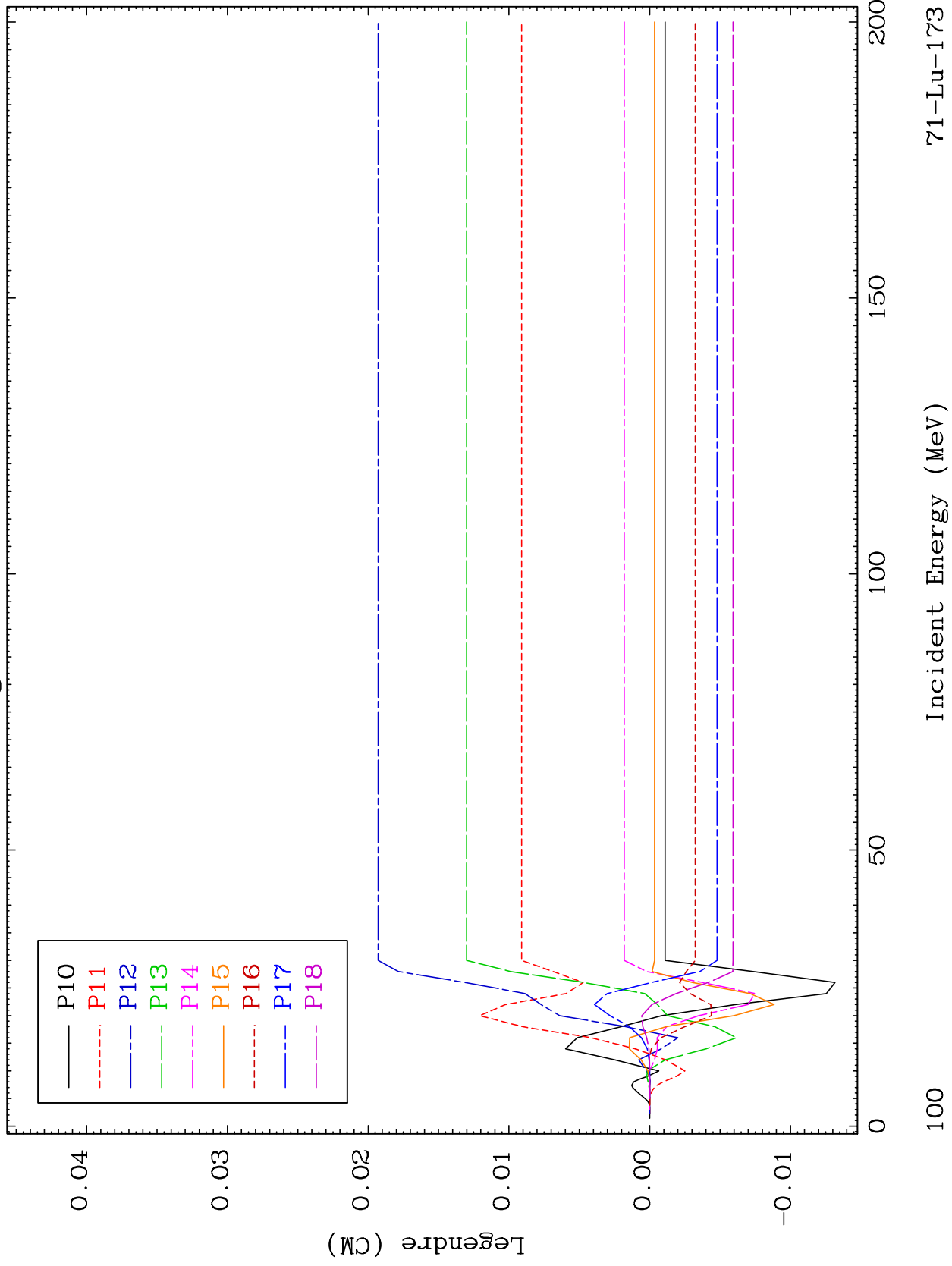
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

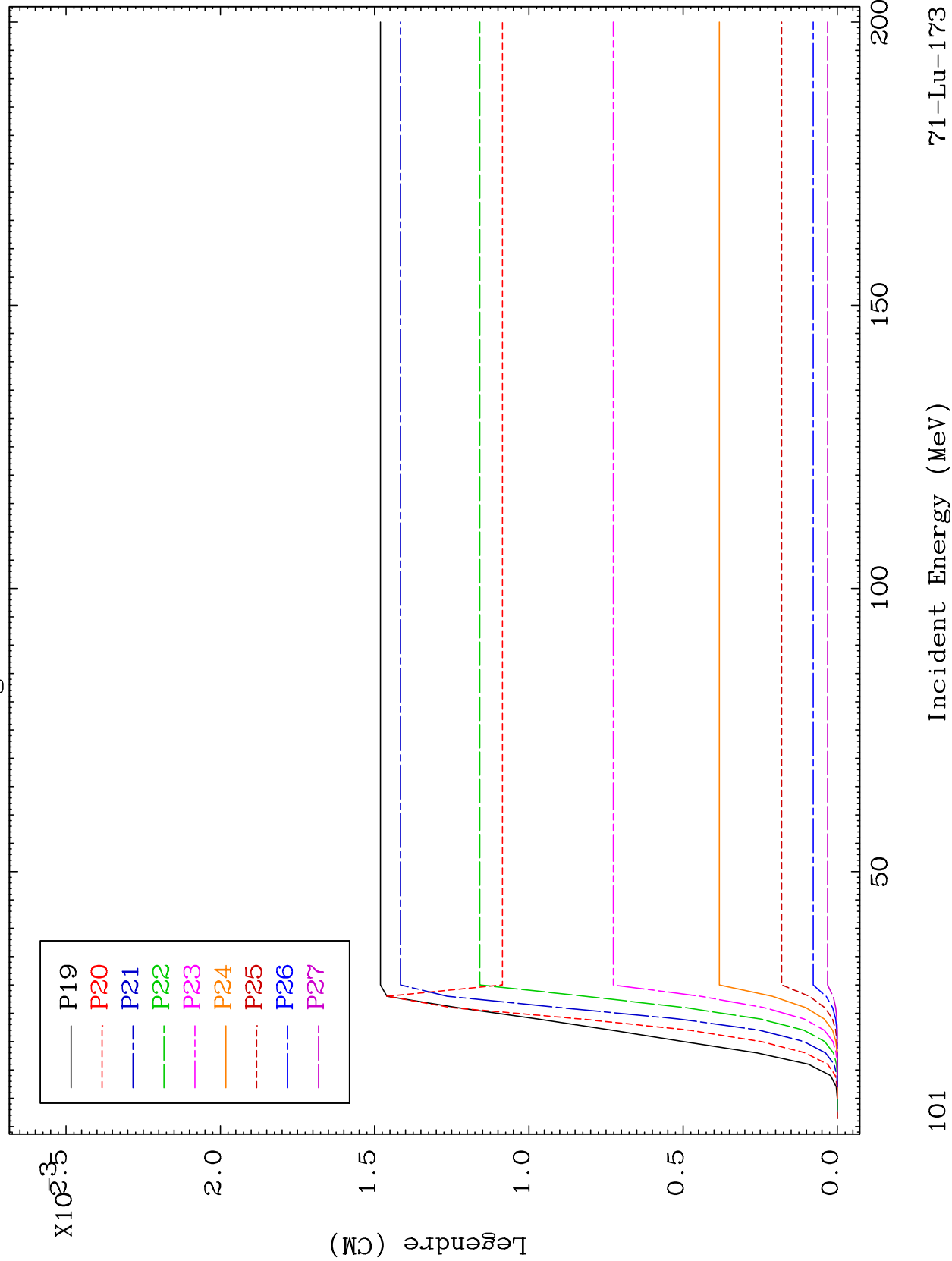
71-Lu-173



MAT 7119

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

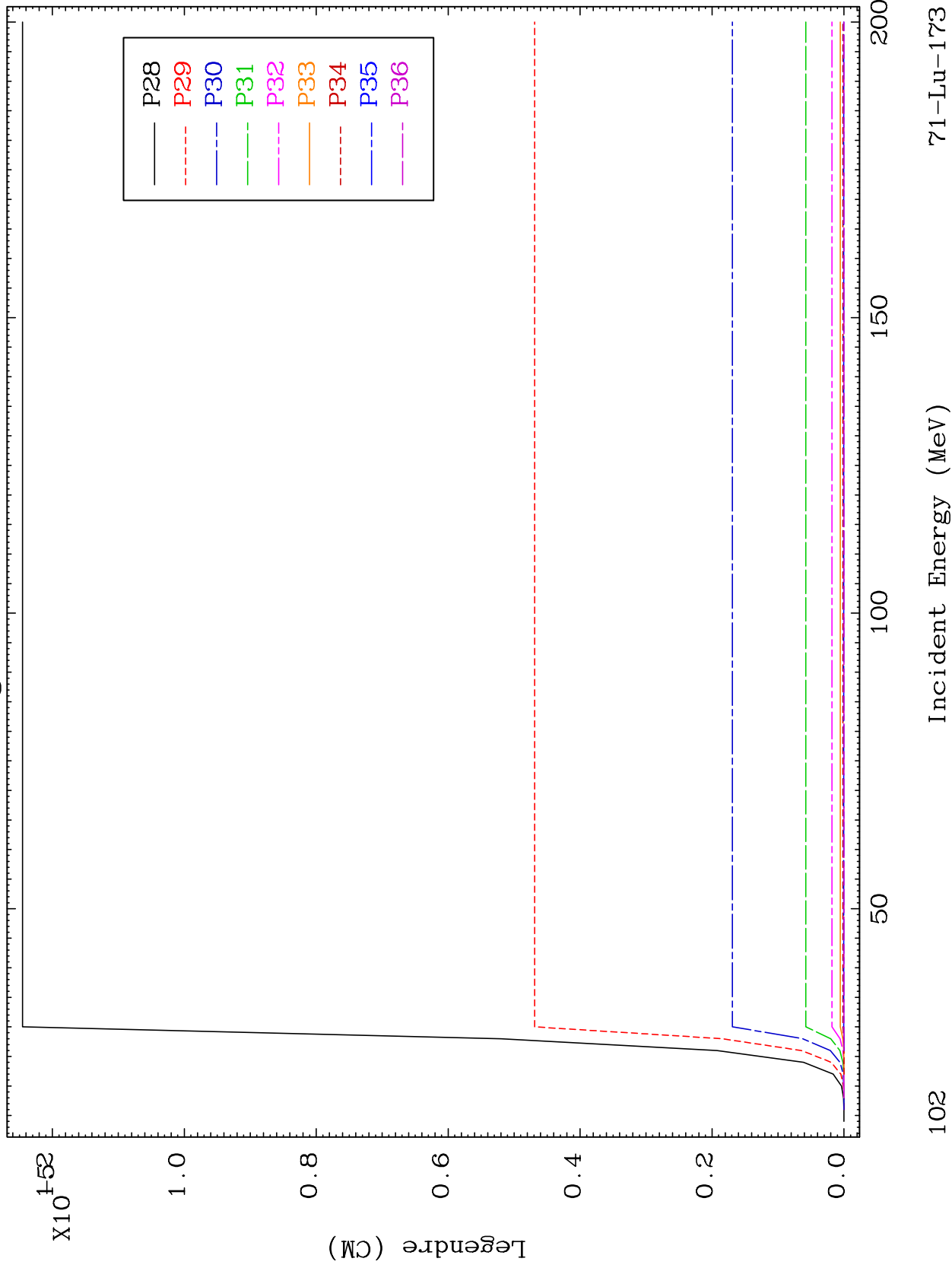
71-Lu-173



MAT 7119

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

71-Lu-173

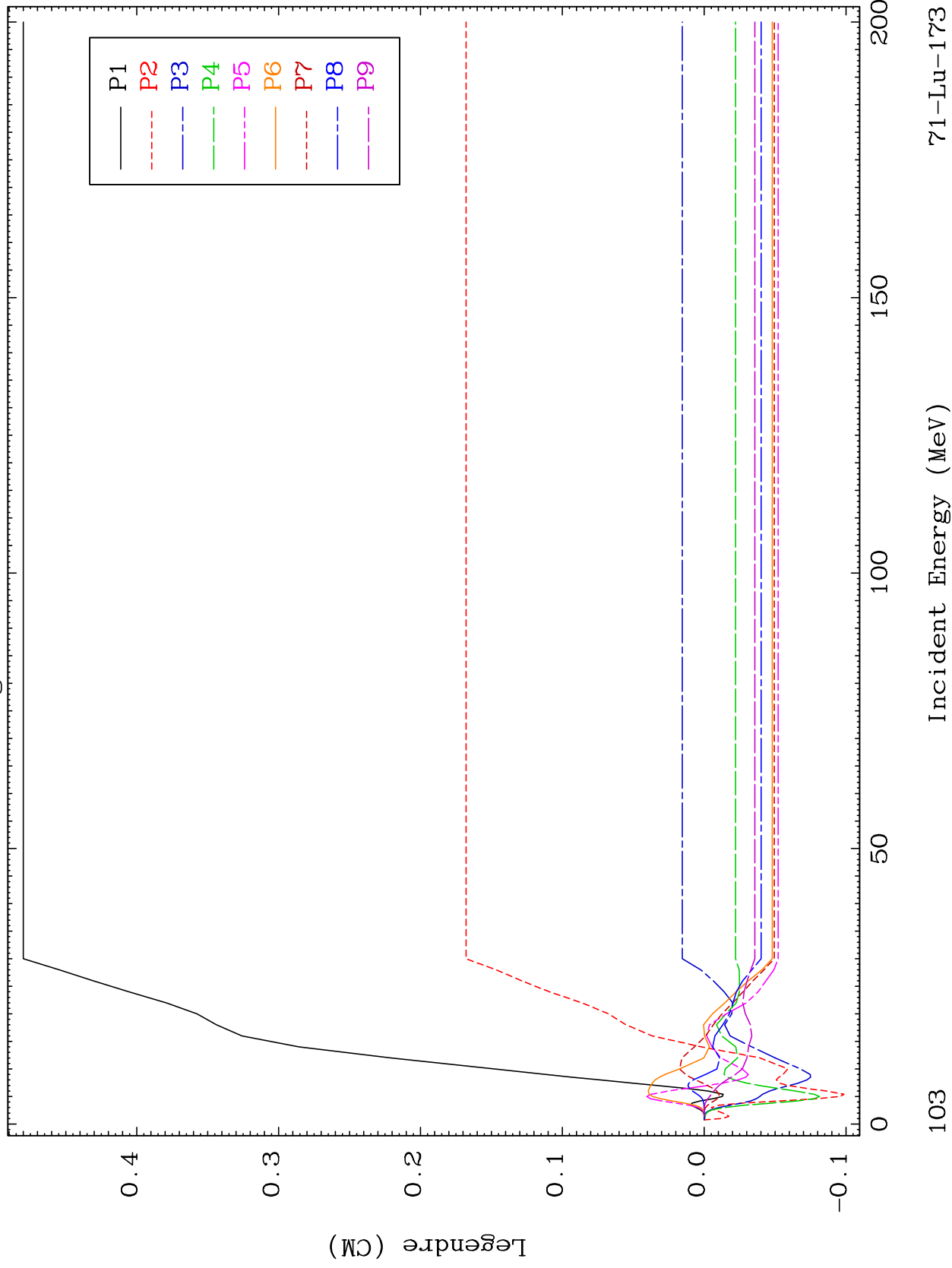


102

MAT 7119

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

71-Lu-173



71-Lu-173

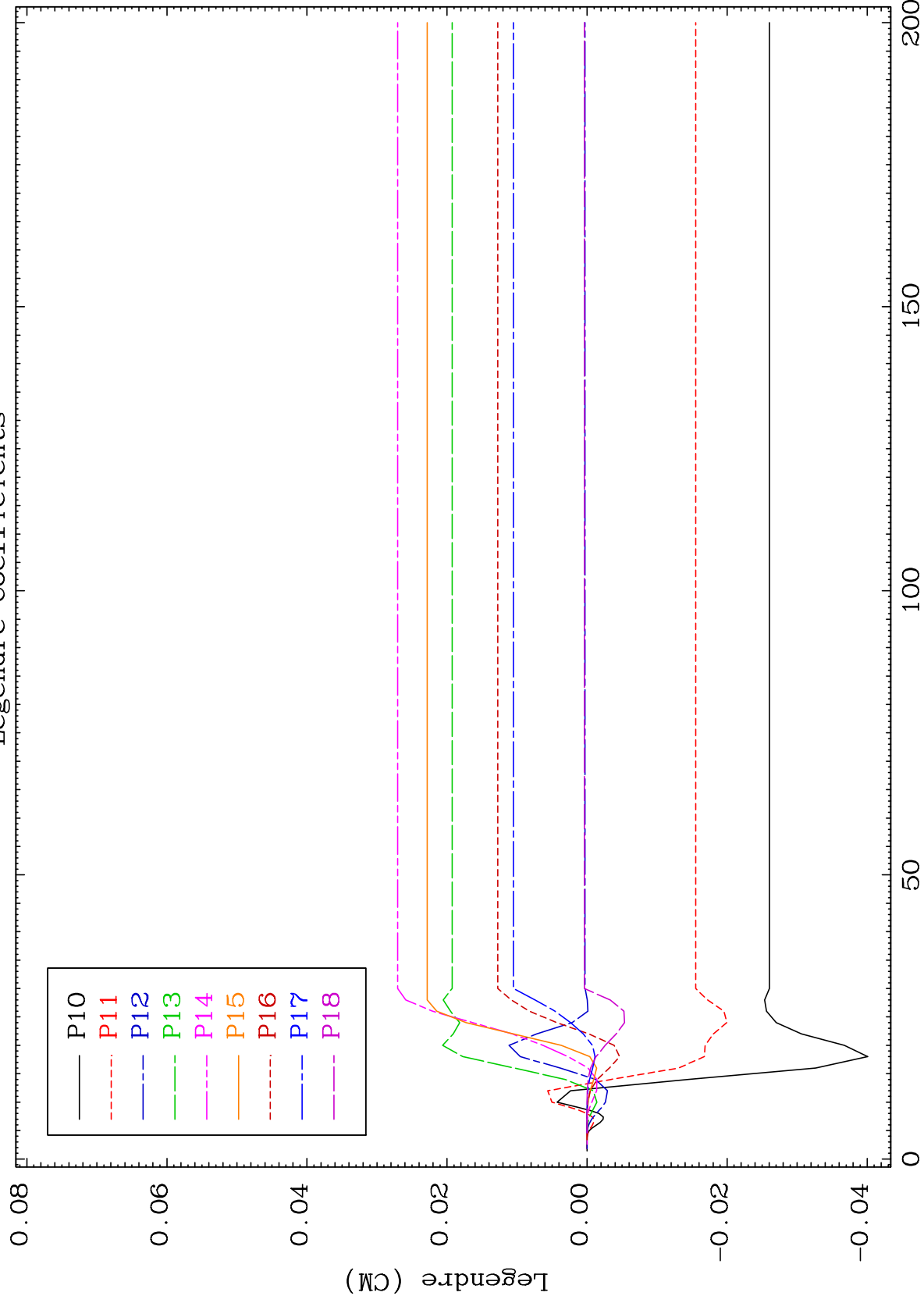
Incident Energy (MeV)

103

MAT 7119

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

71-Lu-173



104

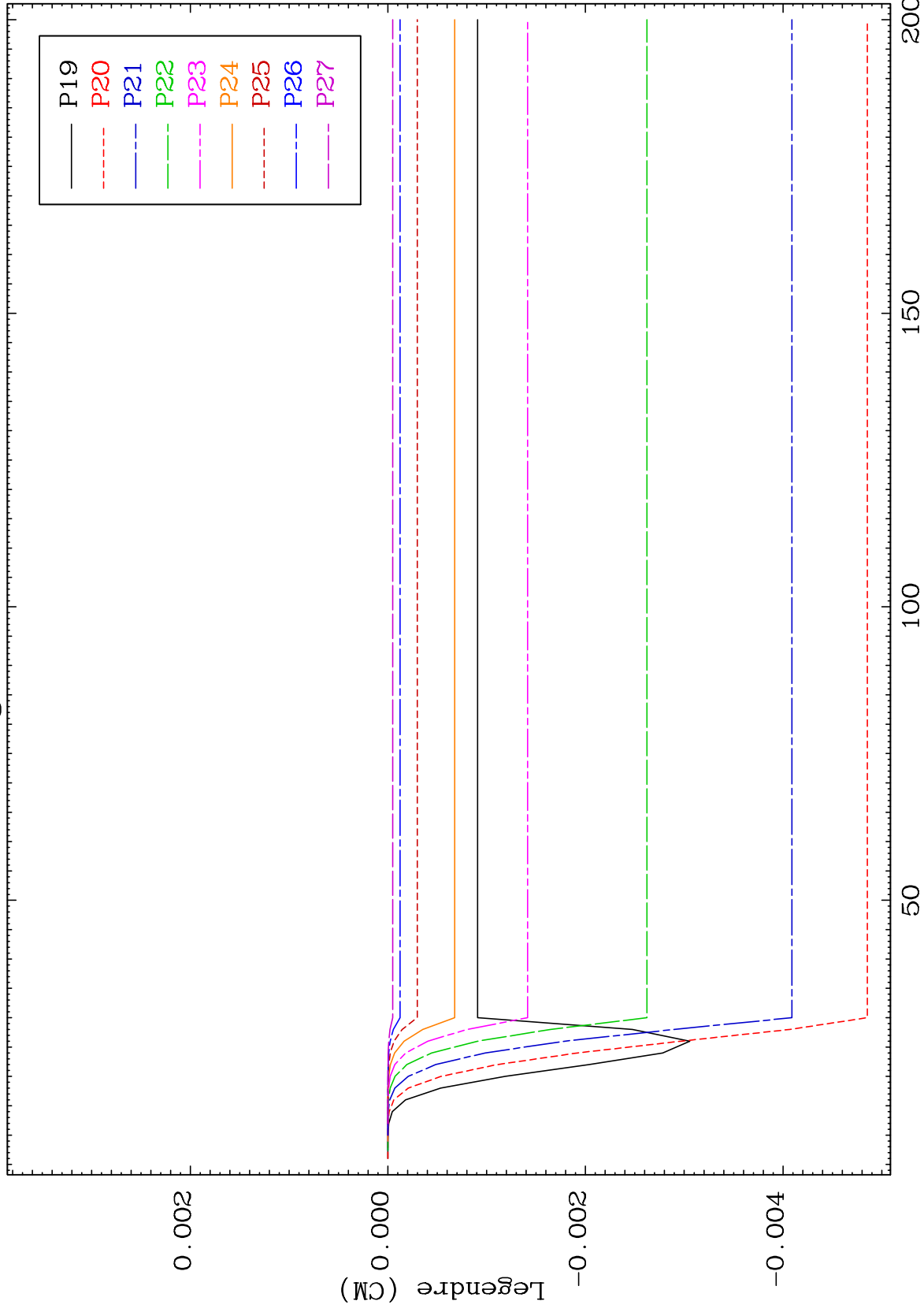
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

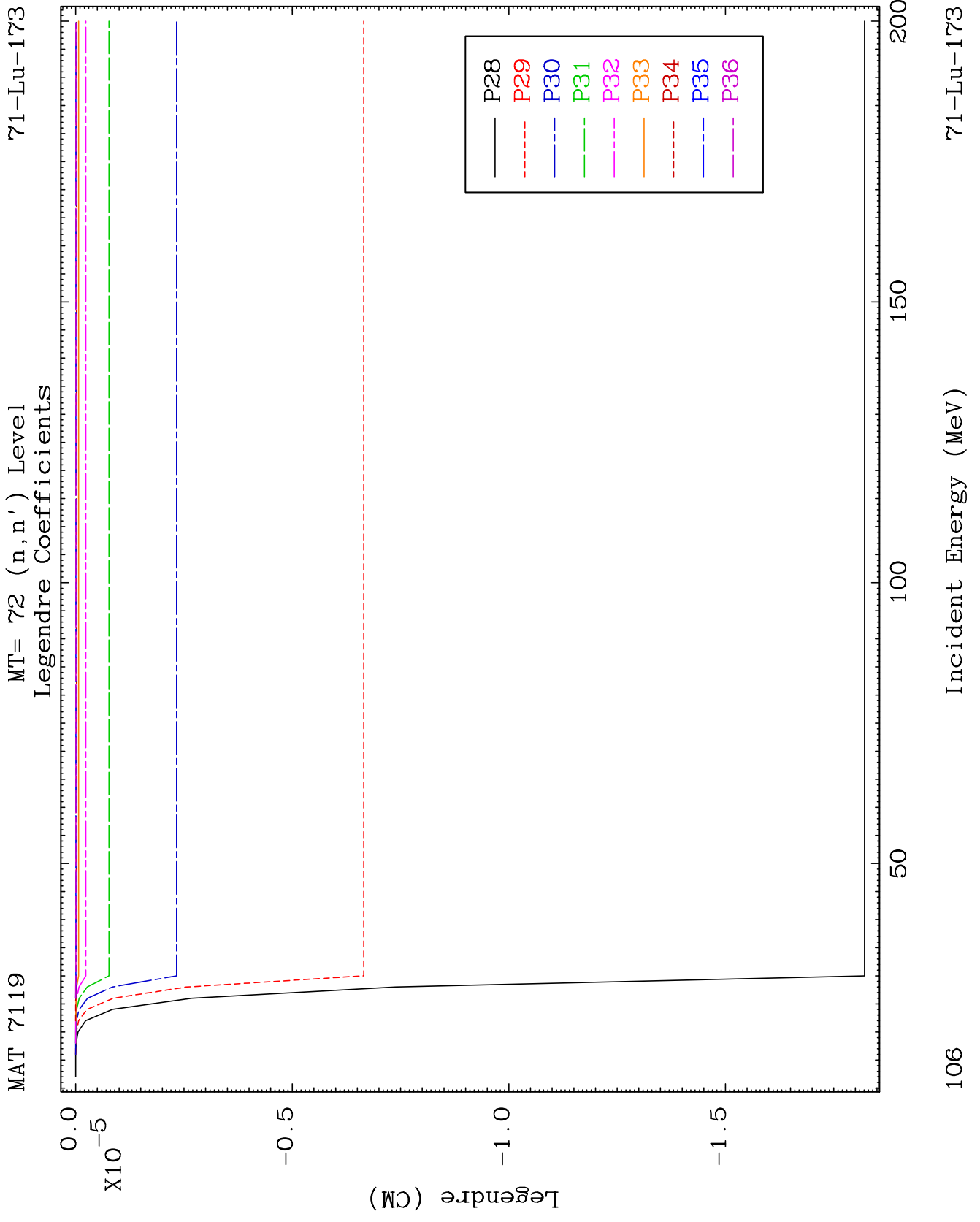
71-Lu-173



105

Incident Energy (MeV)

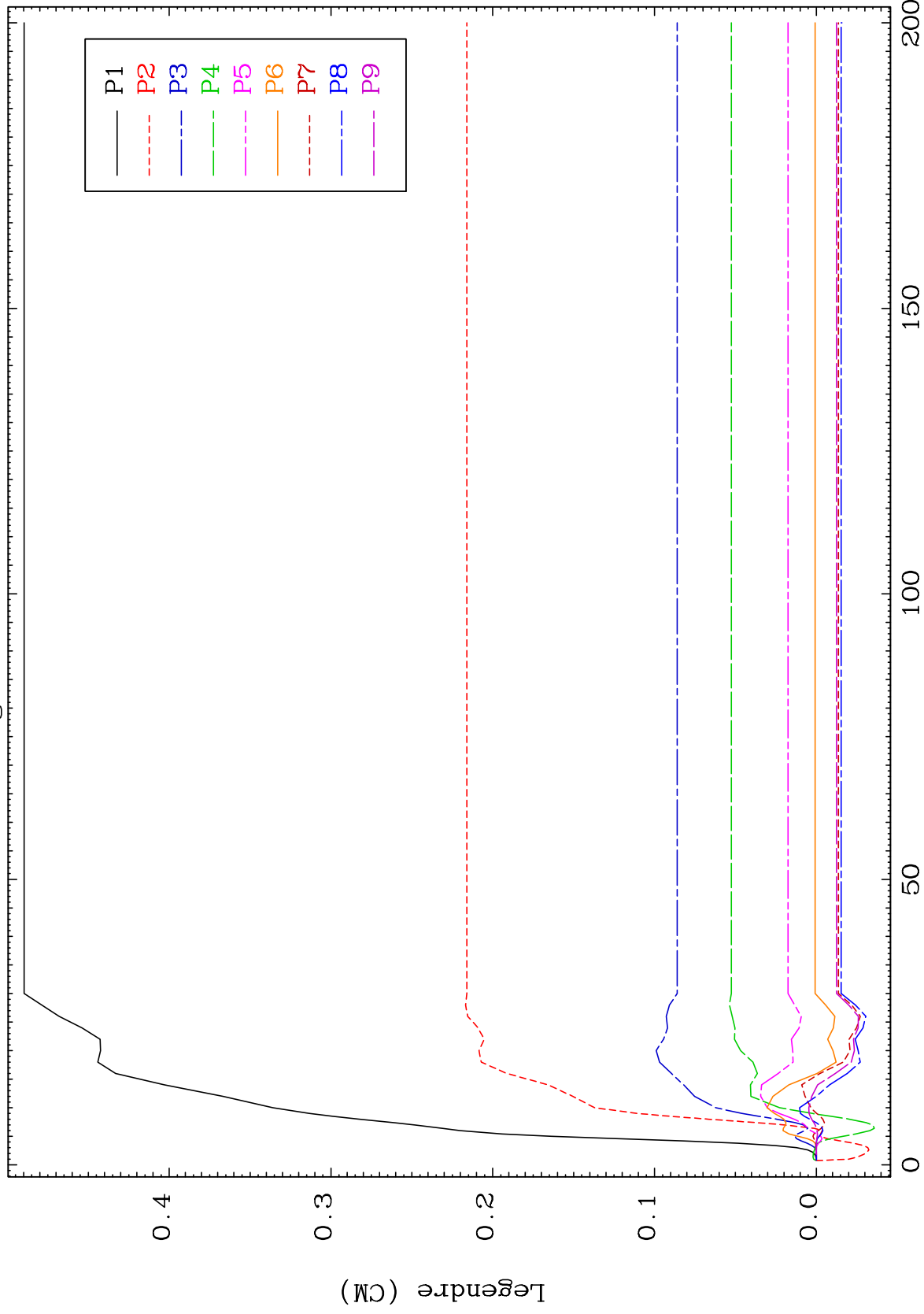
71-Lu-173



MAT 7119

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

71-Lu-173



107

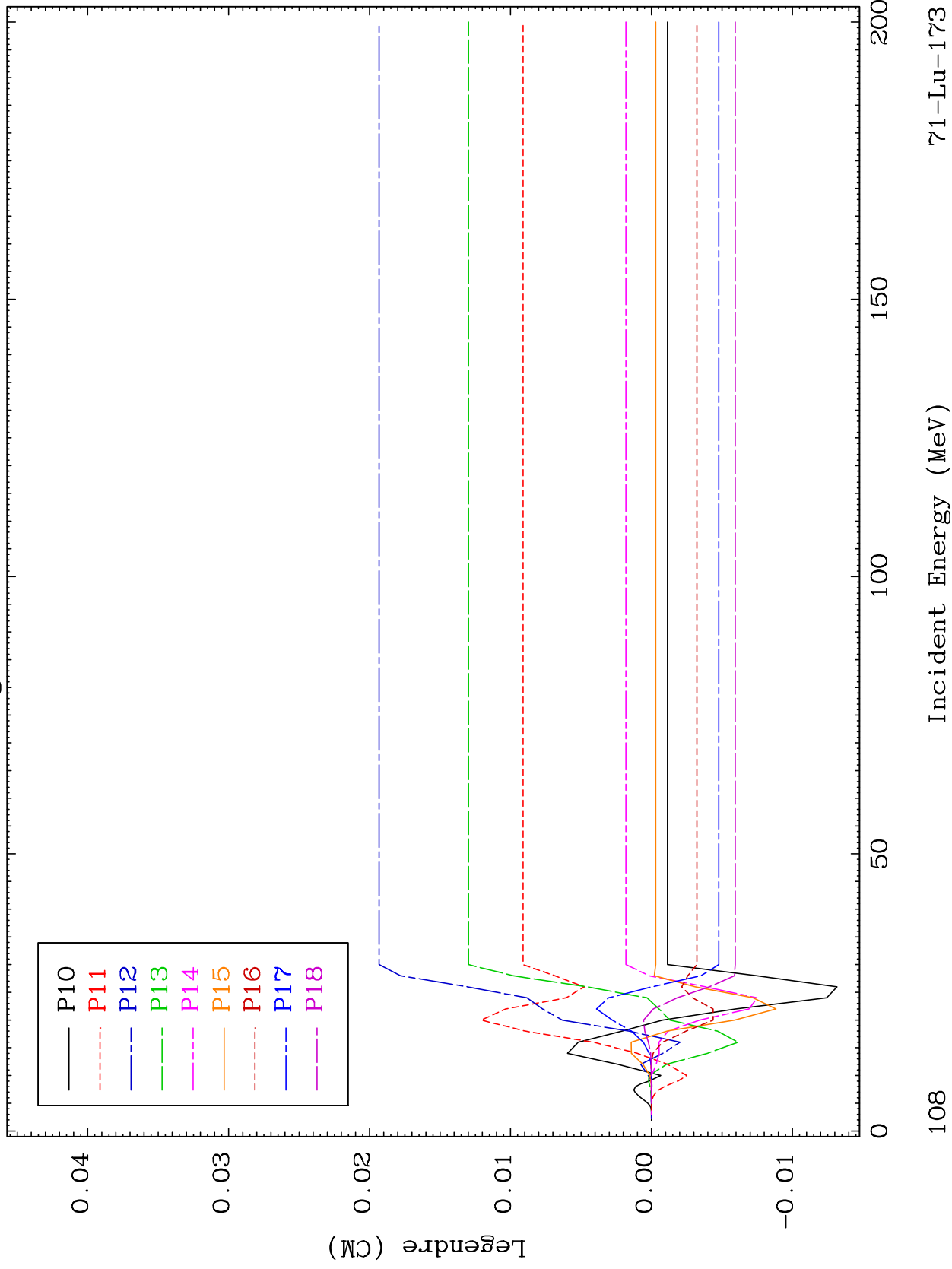
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

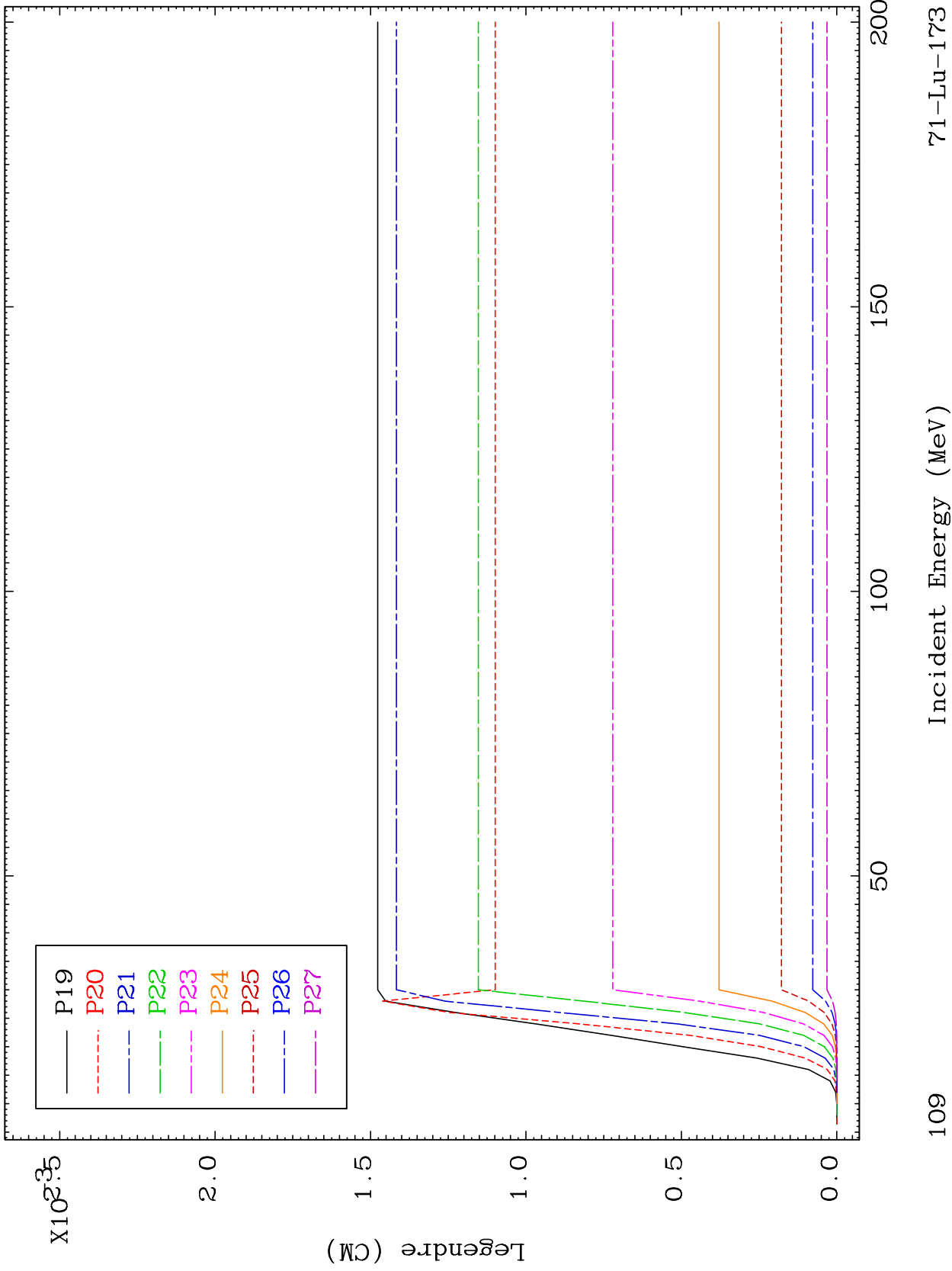
71-Lu-173



71-Lu-173

Incident Energy (MeV)

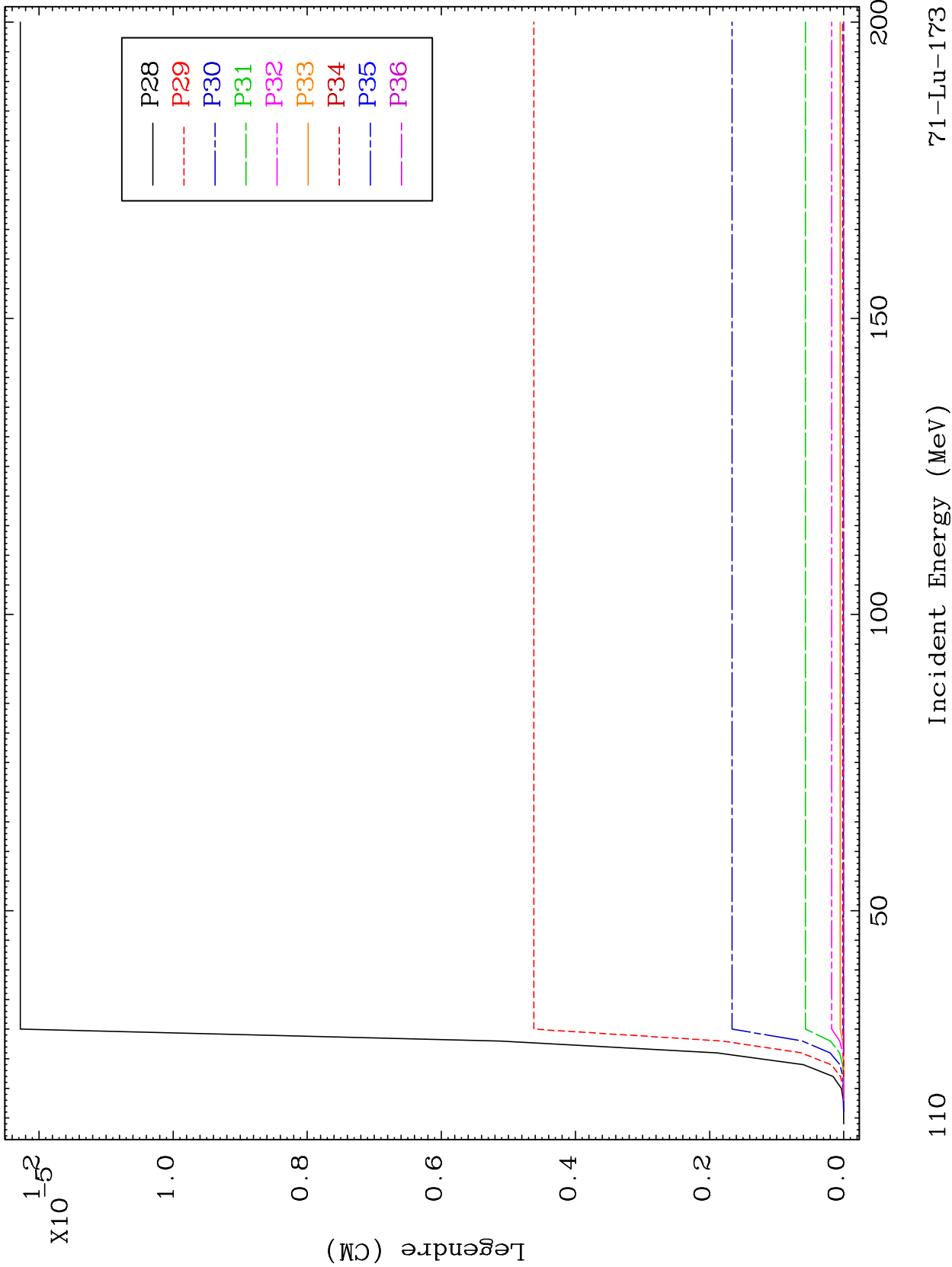
108



MAT 7119

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

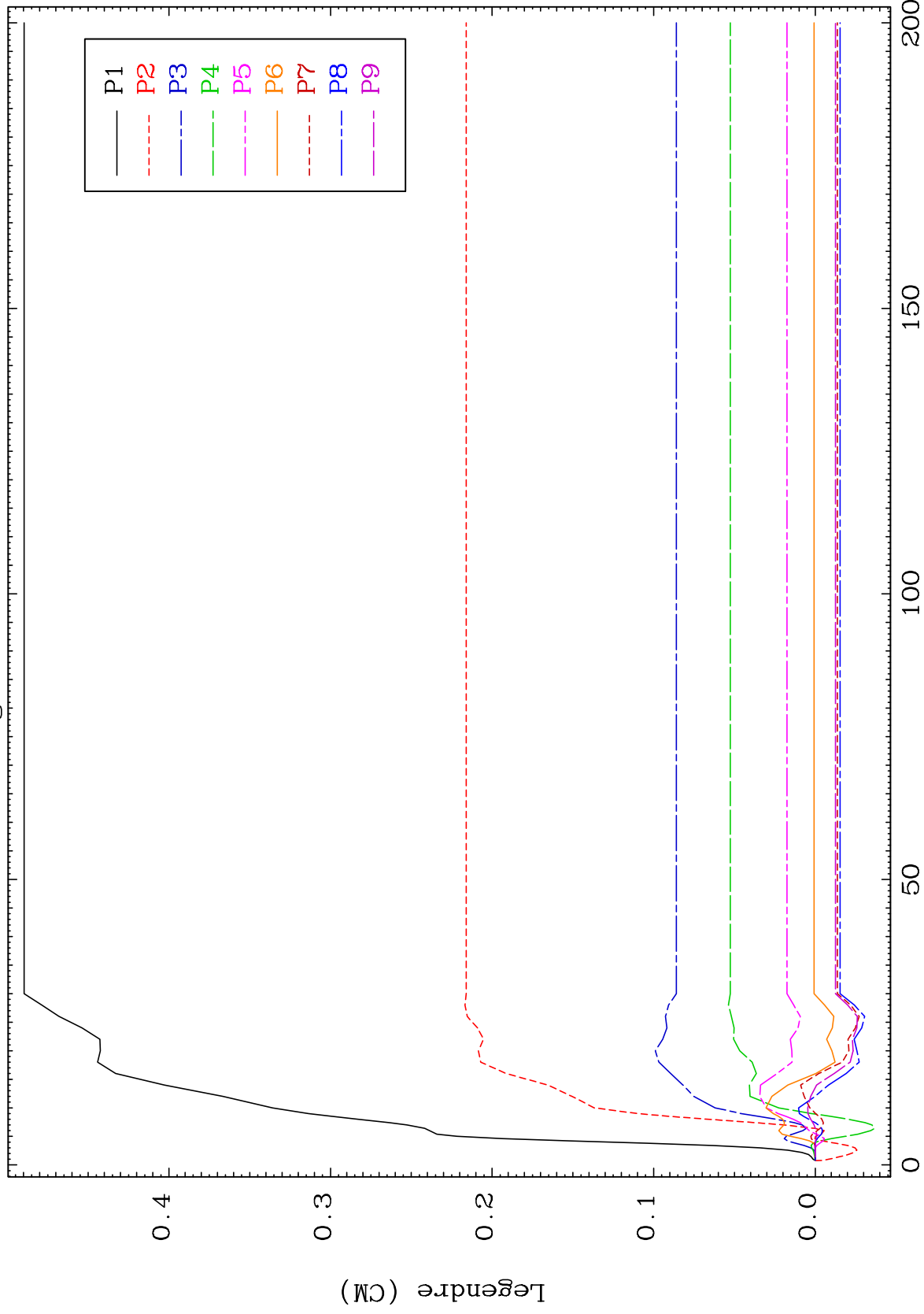
71-Lu-173



MAT 7119

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

71-Lu-173



111

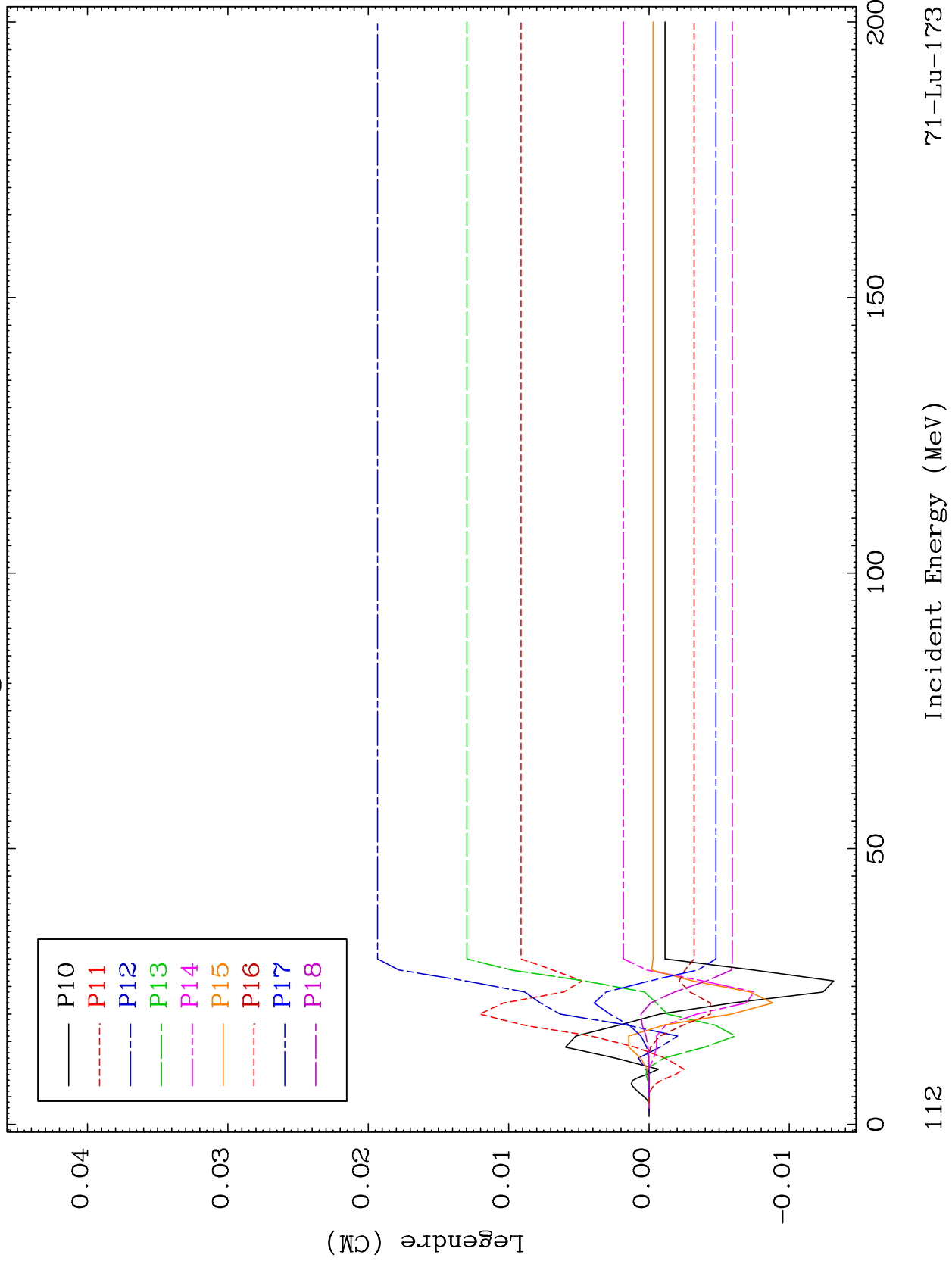
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

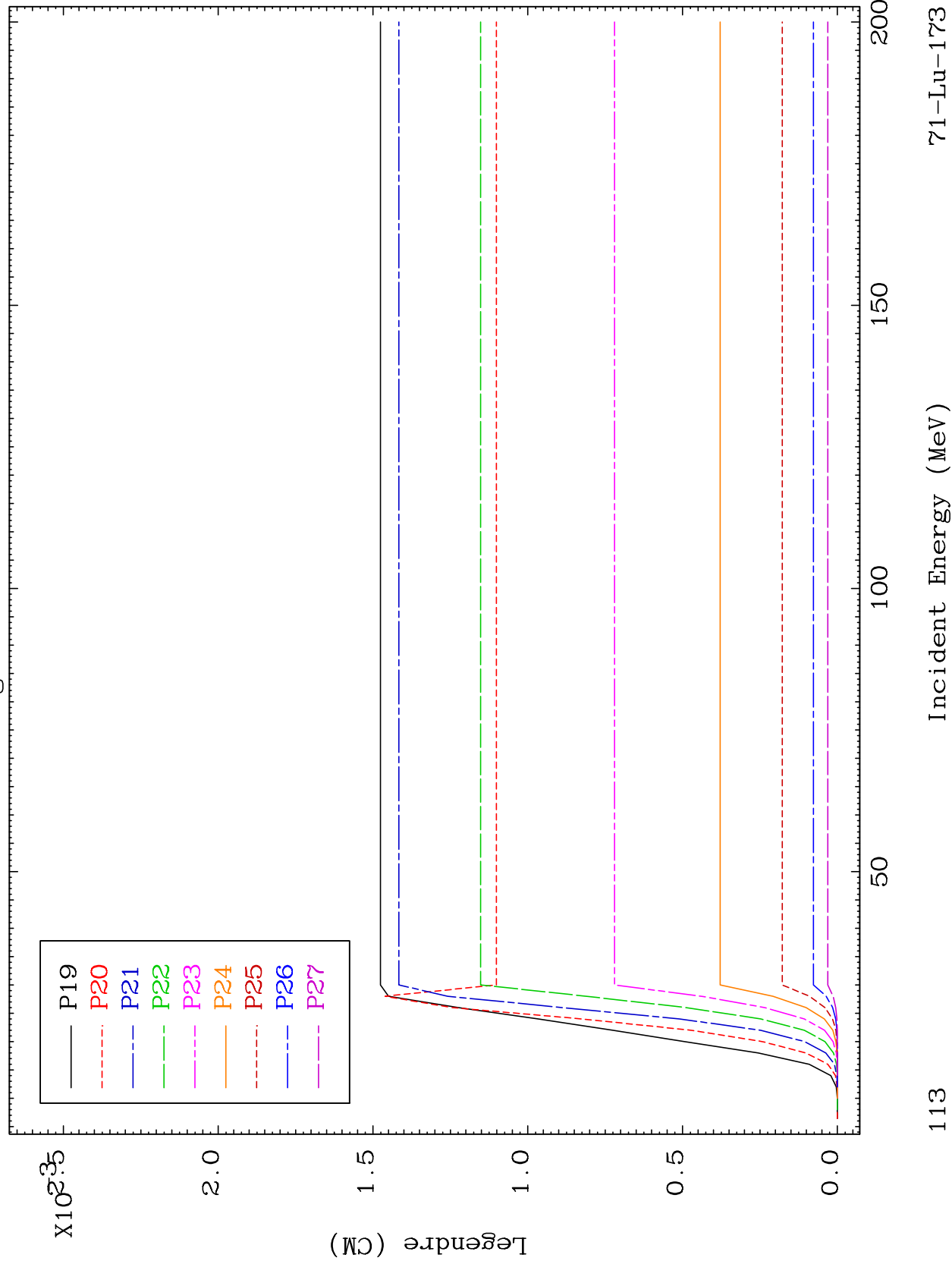
71-Lu-173



71-Lu-173

Incident Energy (MeV)

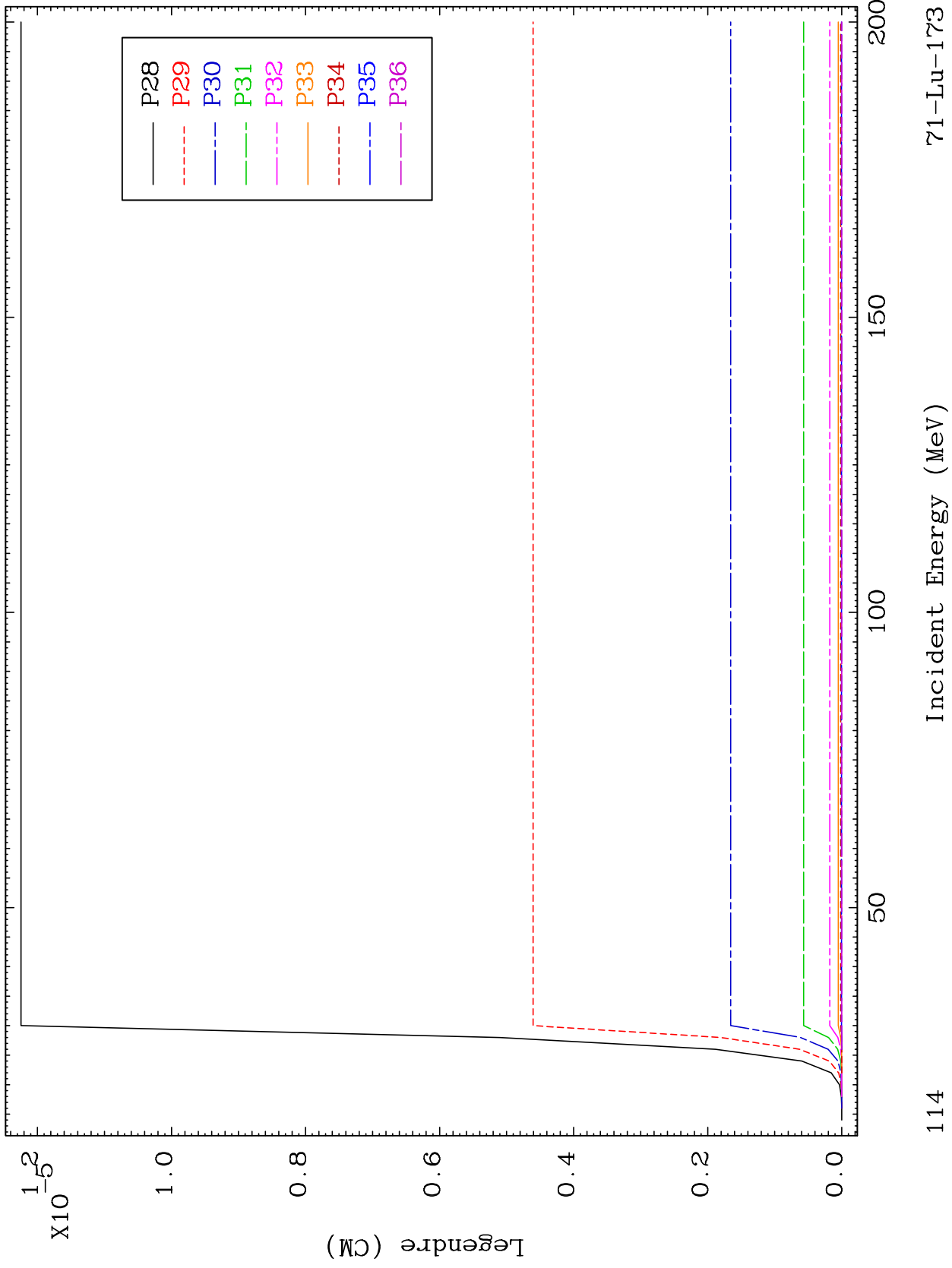
112



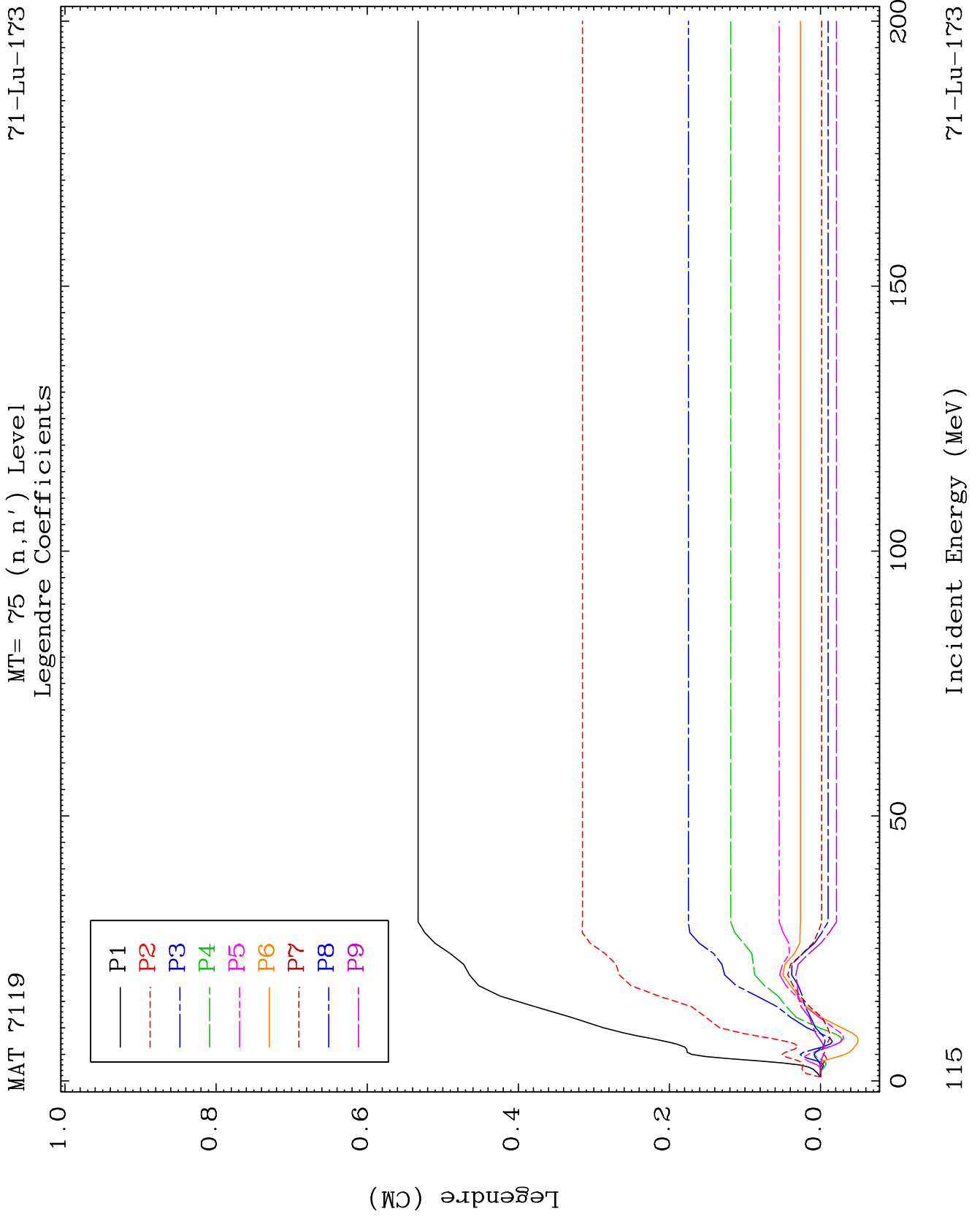
MAT 7119

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

71-Lu-173



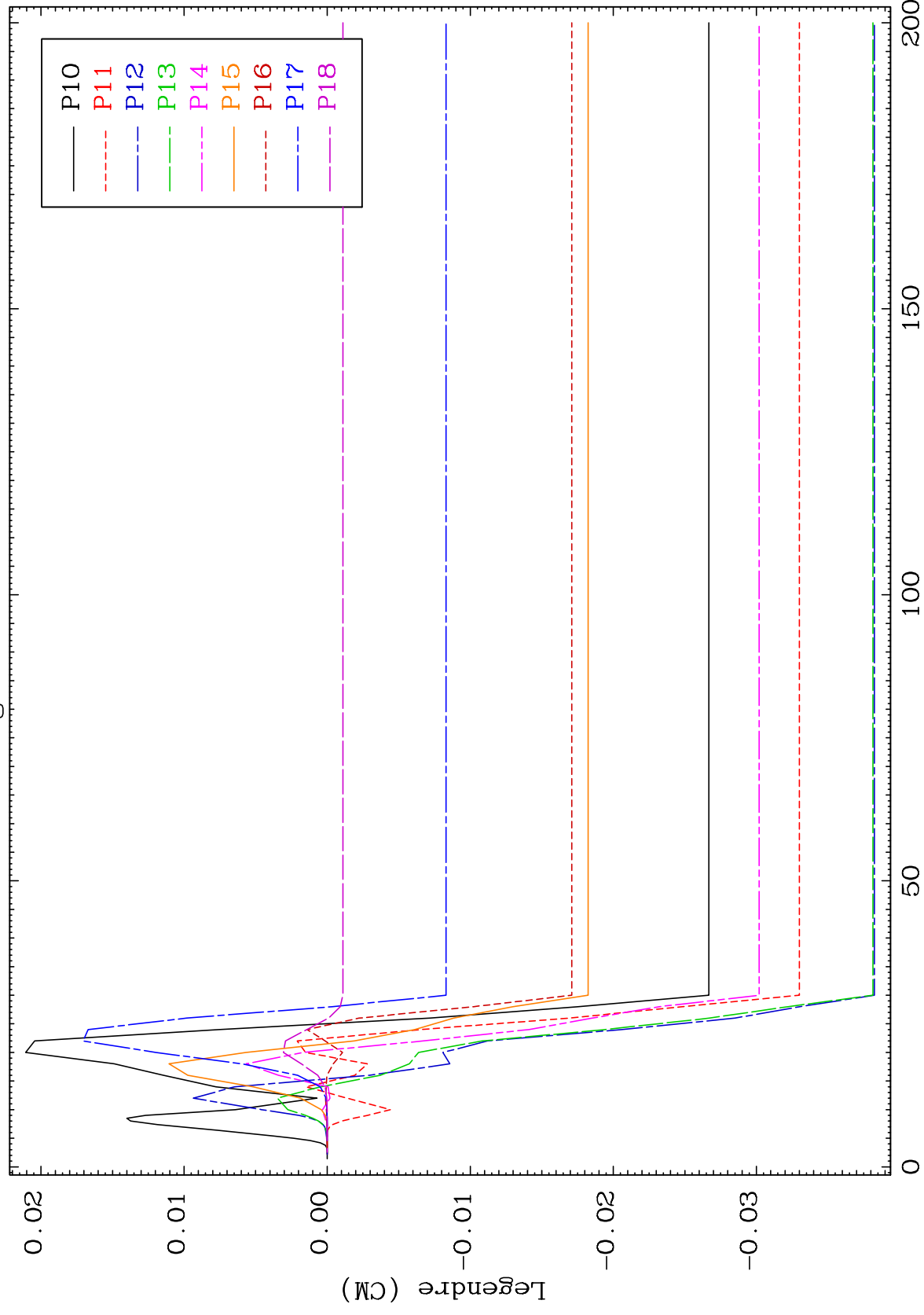
114



MAT 7119

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

71-Lu-173



116

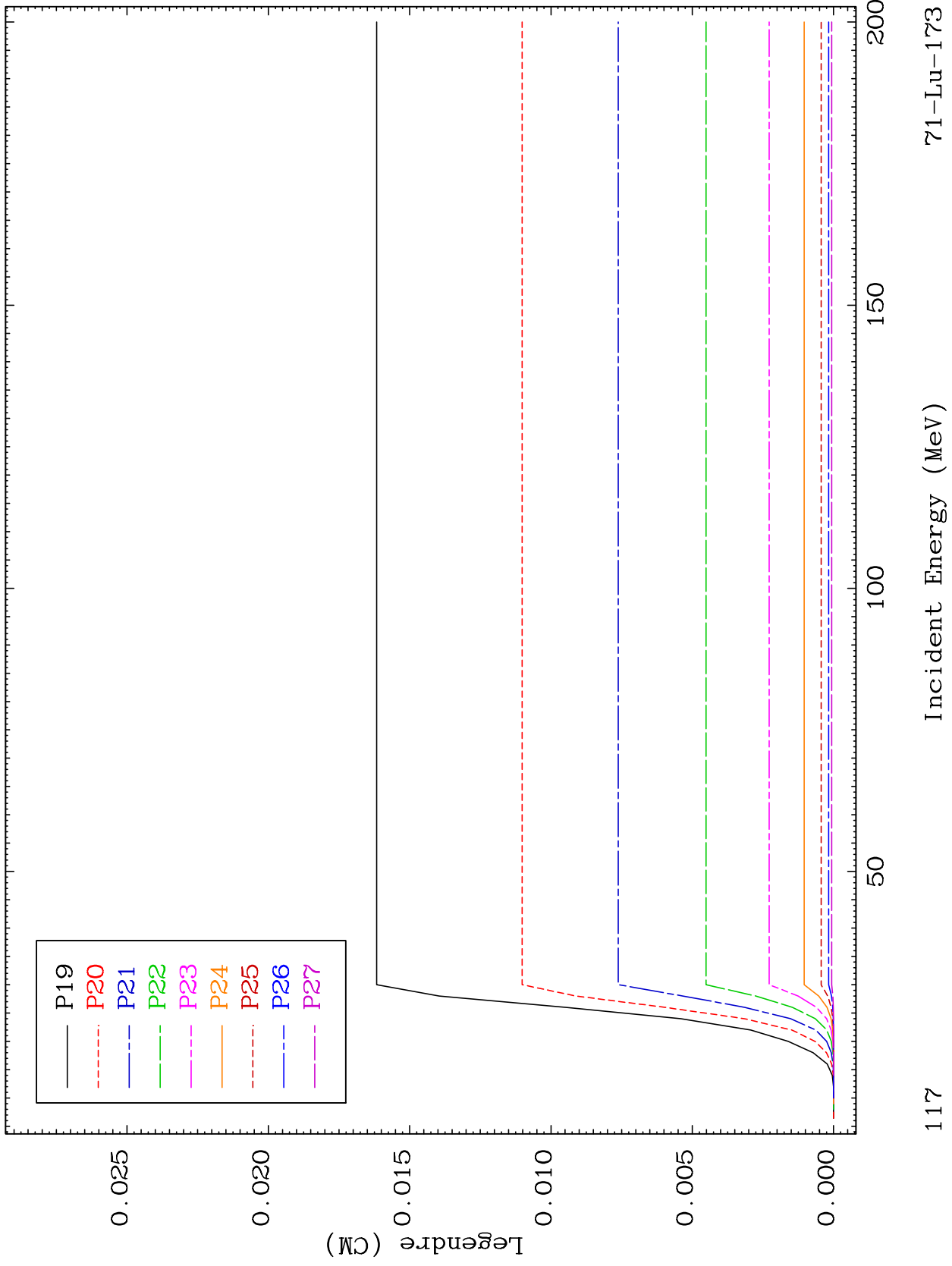
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



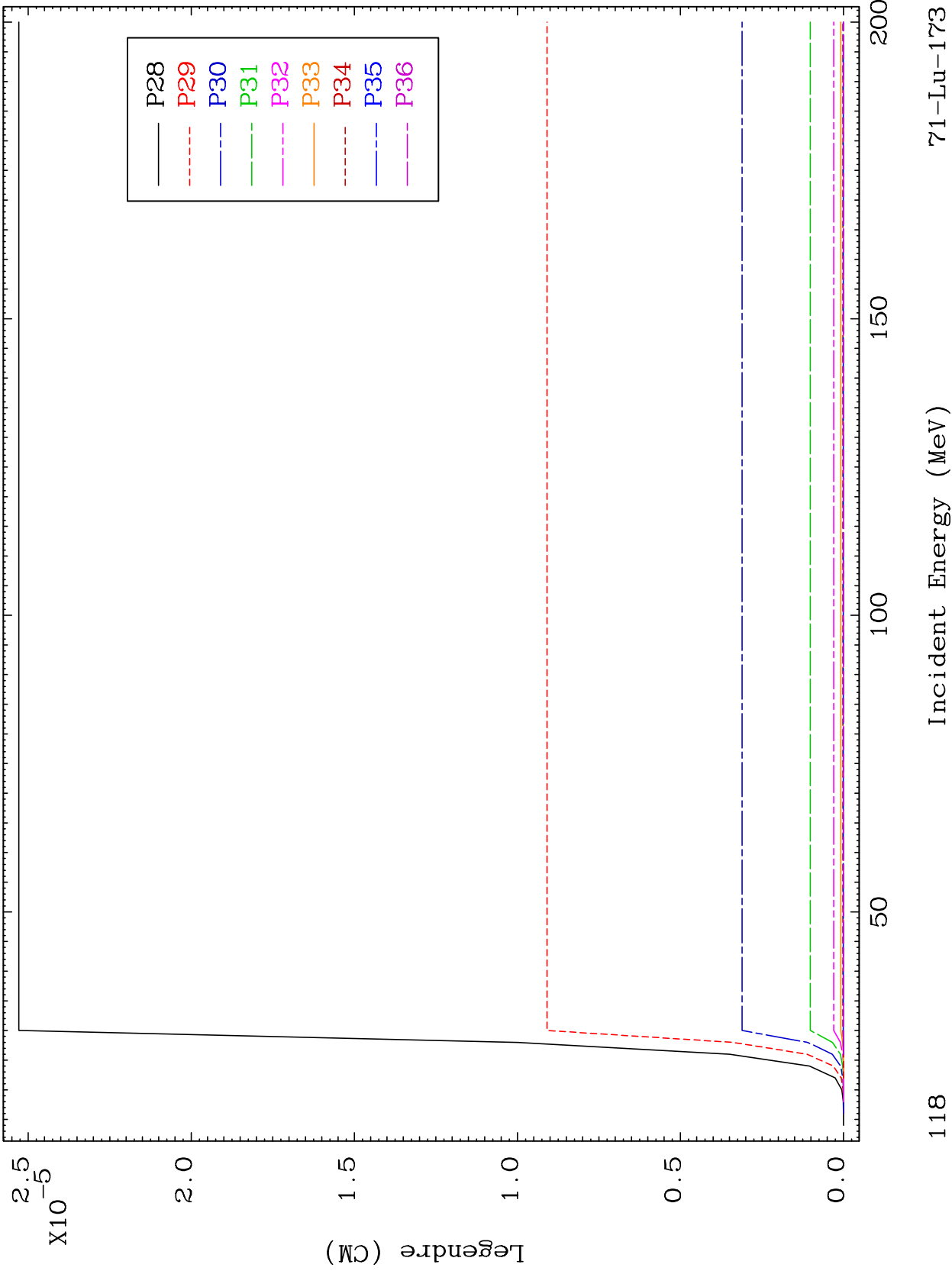
117

71-Lu-173

MAT 7119

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

71-Lu-173



118

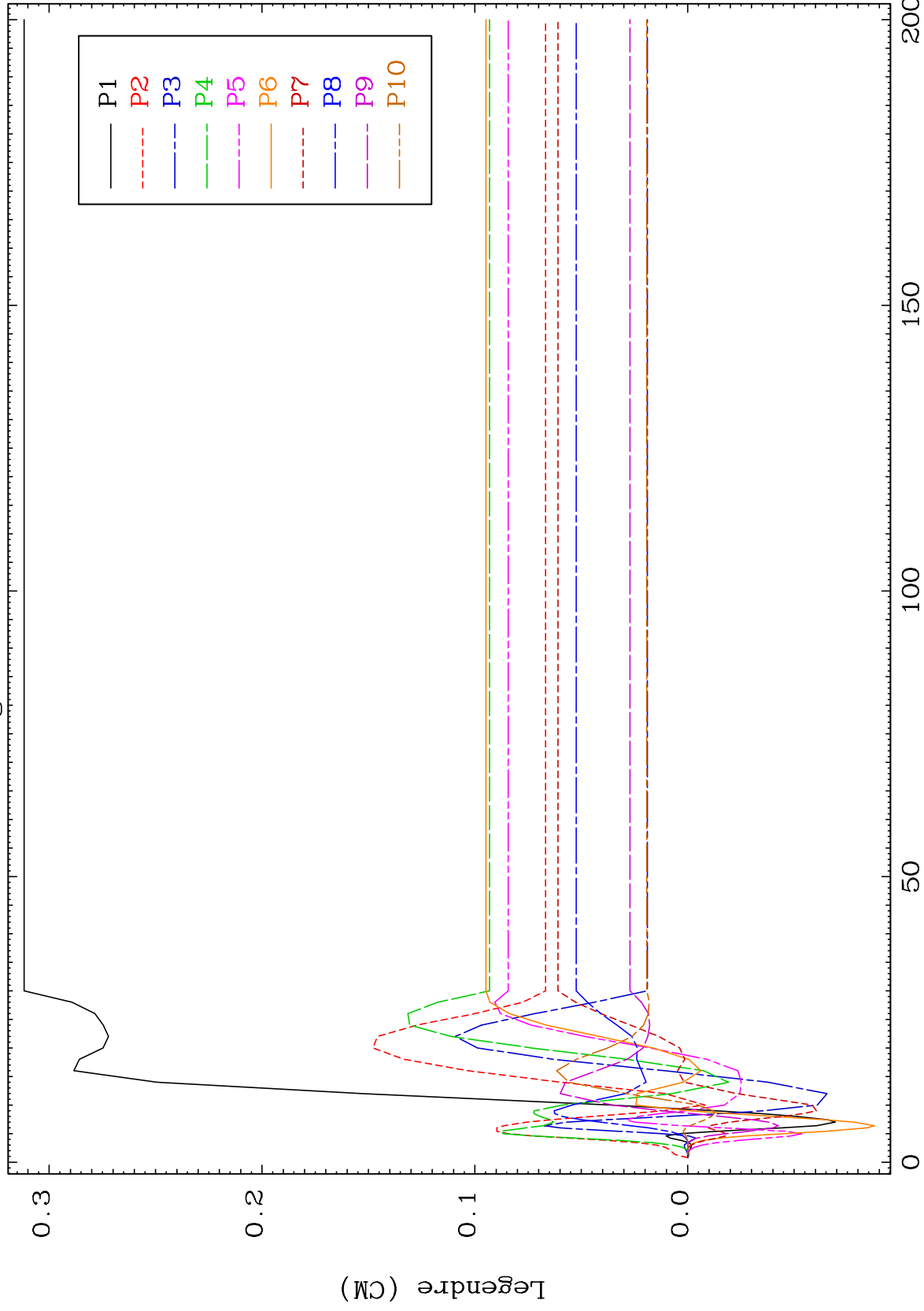
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

71-Lu-173



119

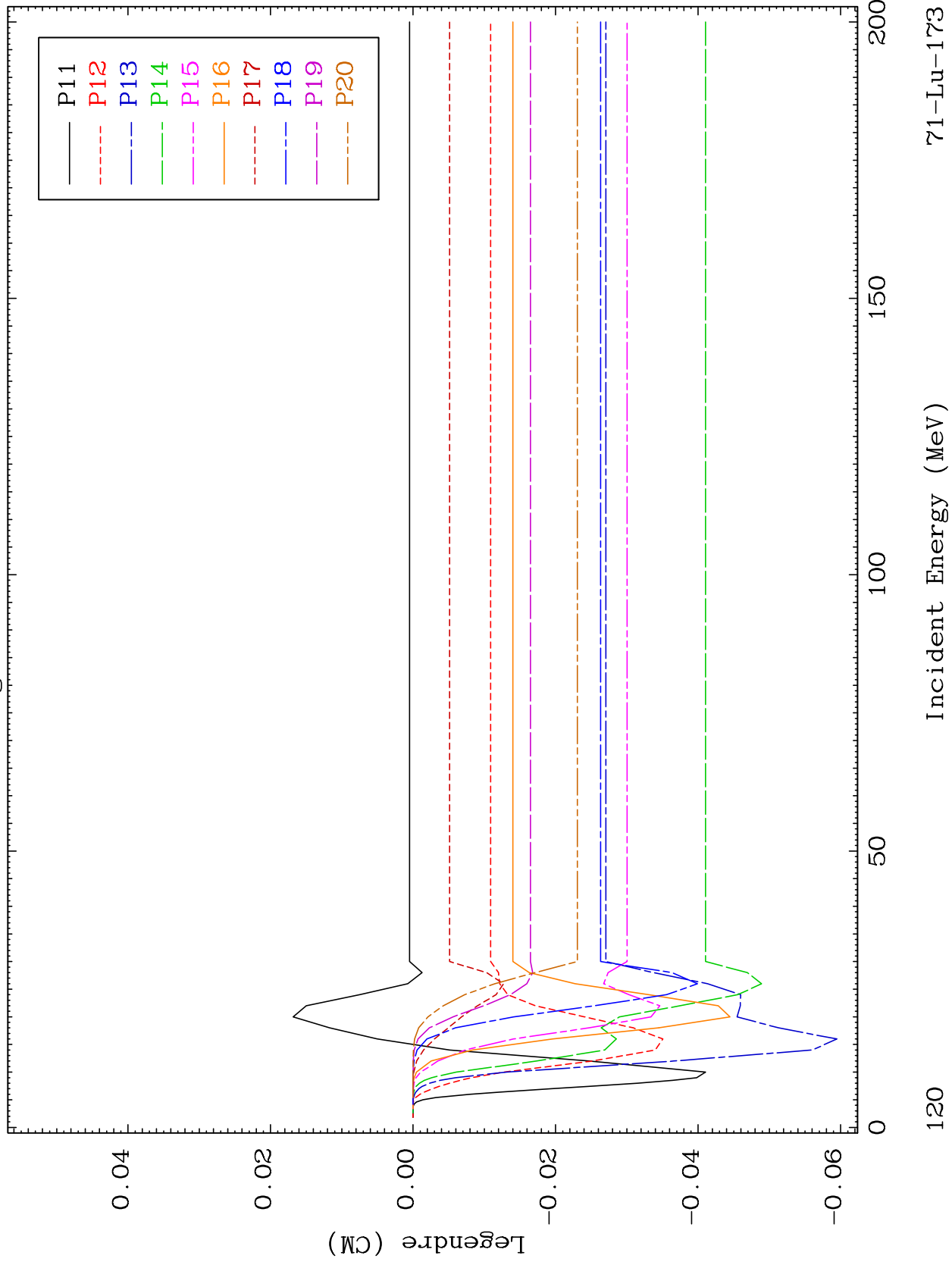
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

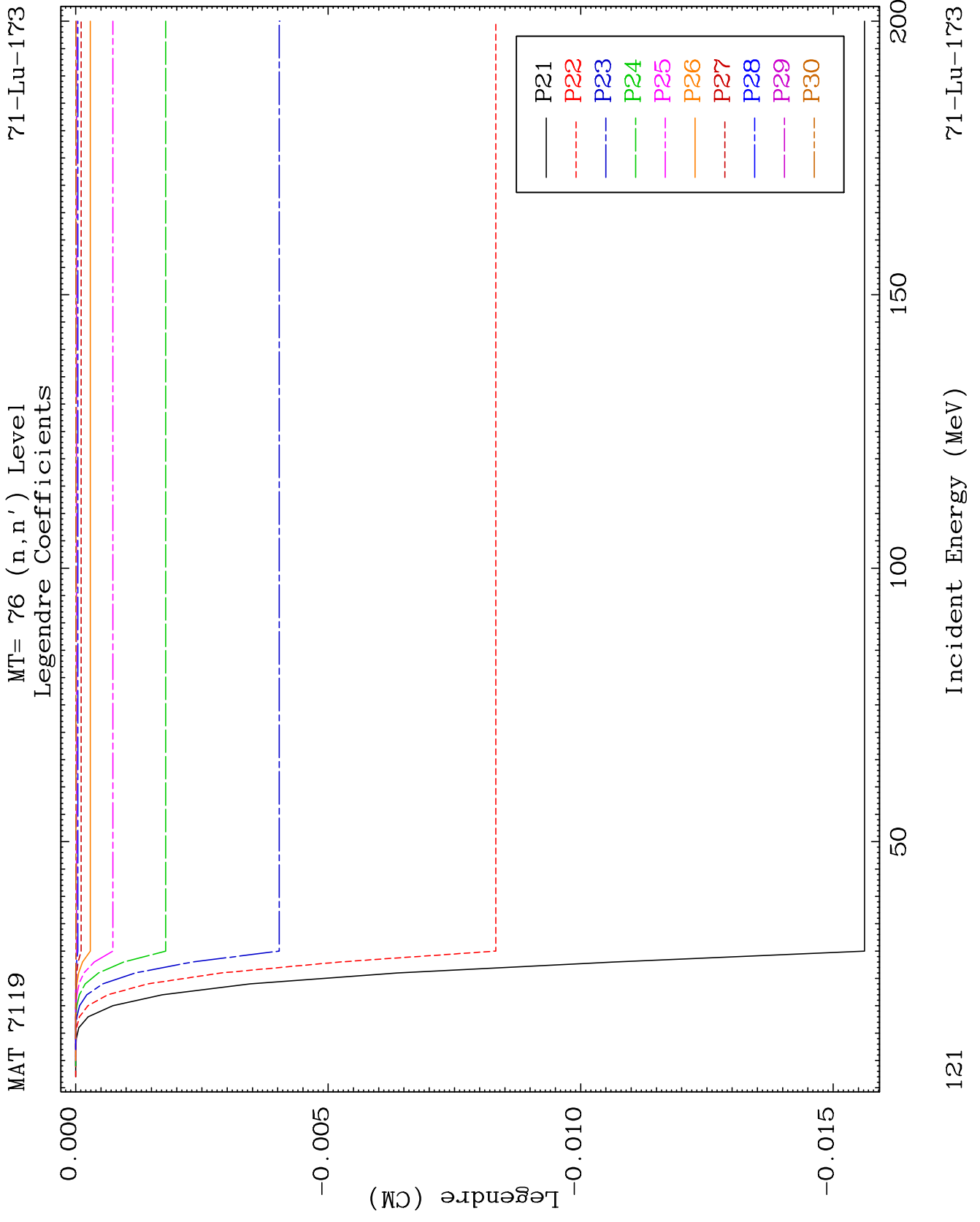
71-Lu-173

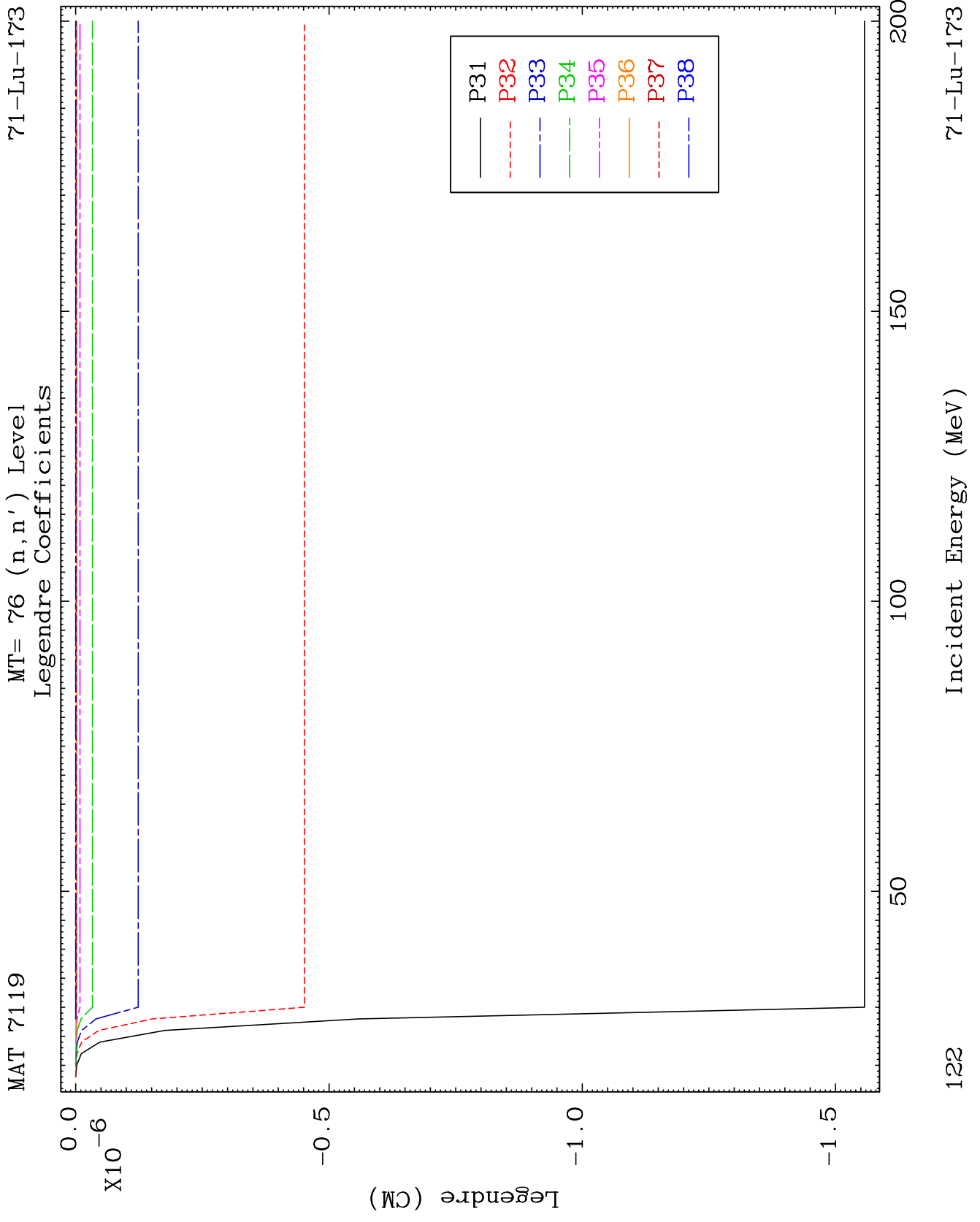


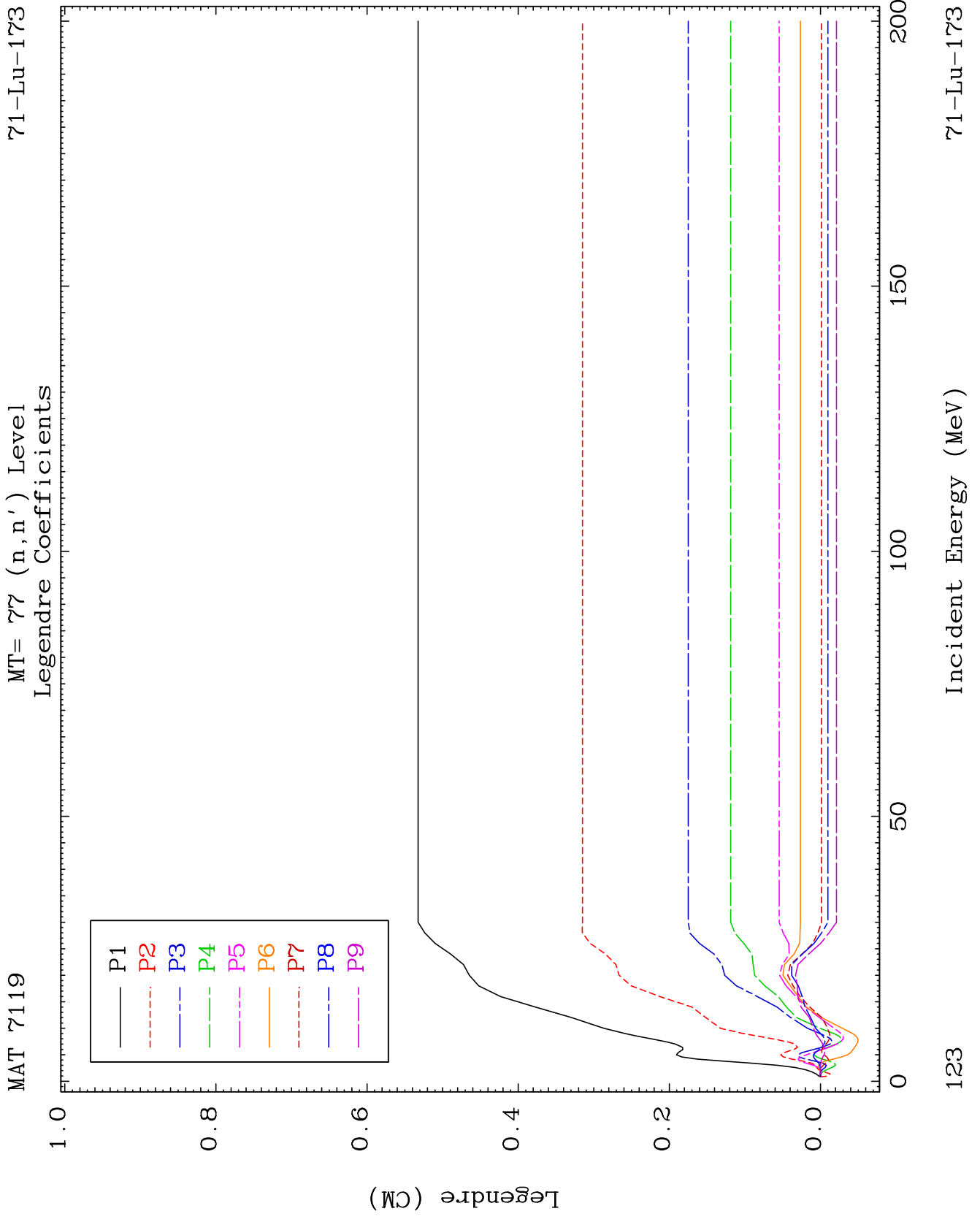
71-Lu-173

Incident Energy (MeV)

120





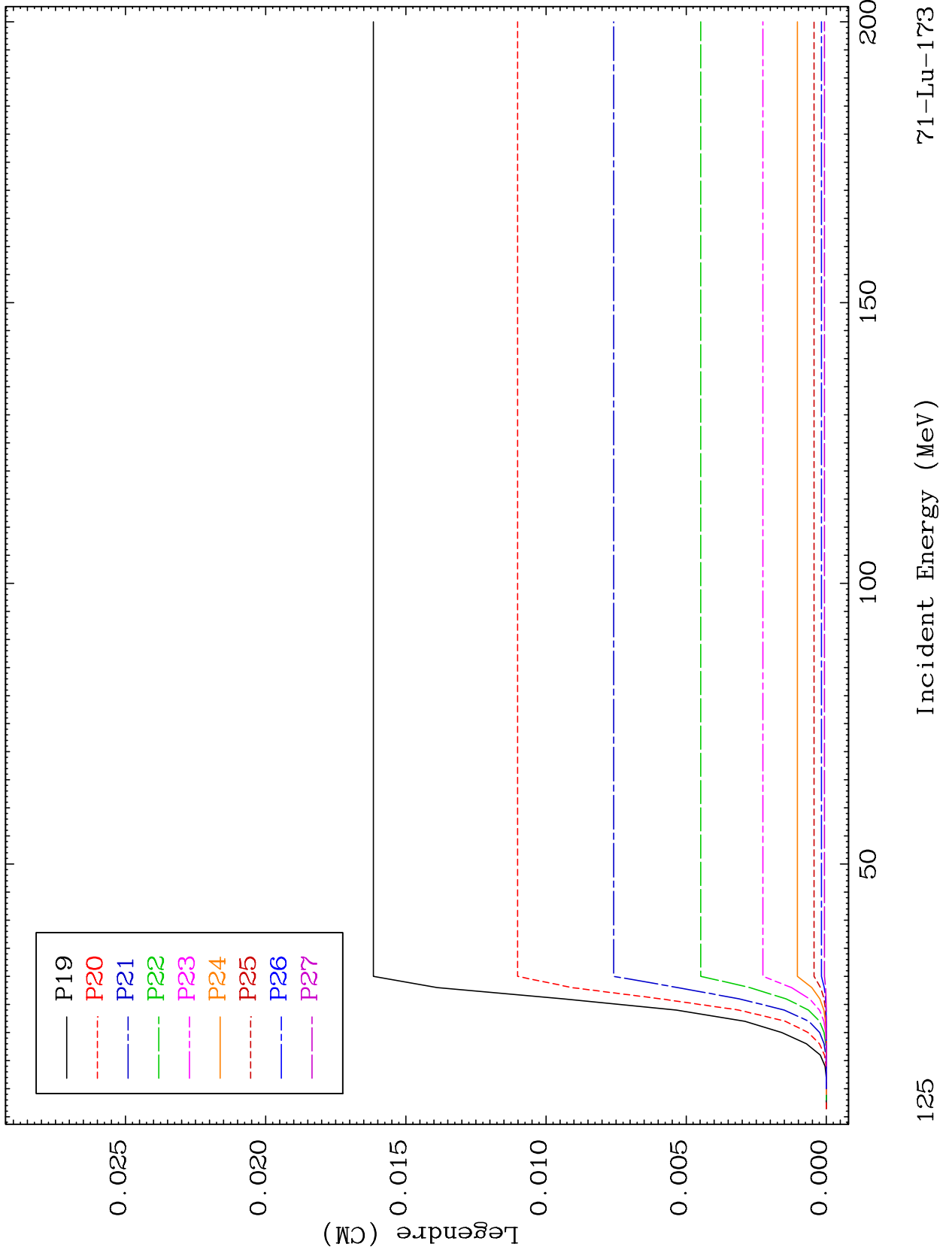




MAT 7119

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

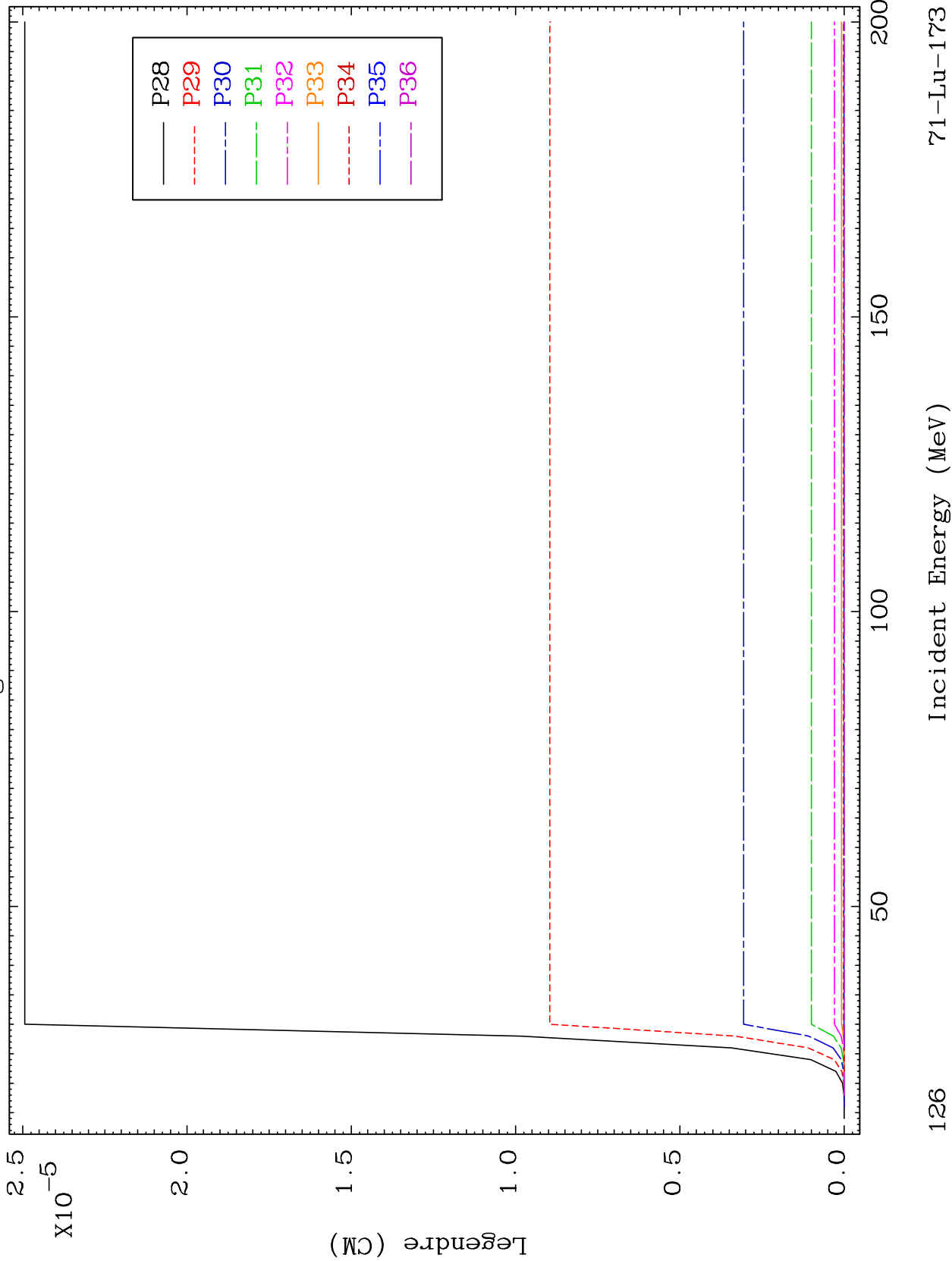
71-Lu-173



125

Incident Energy (MeV)

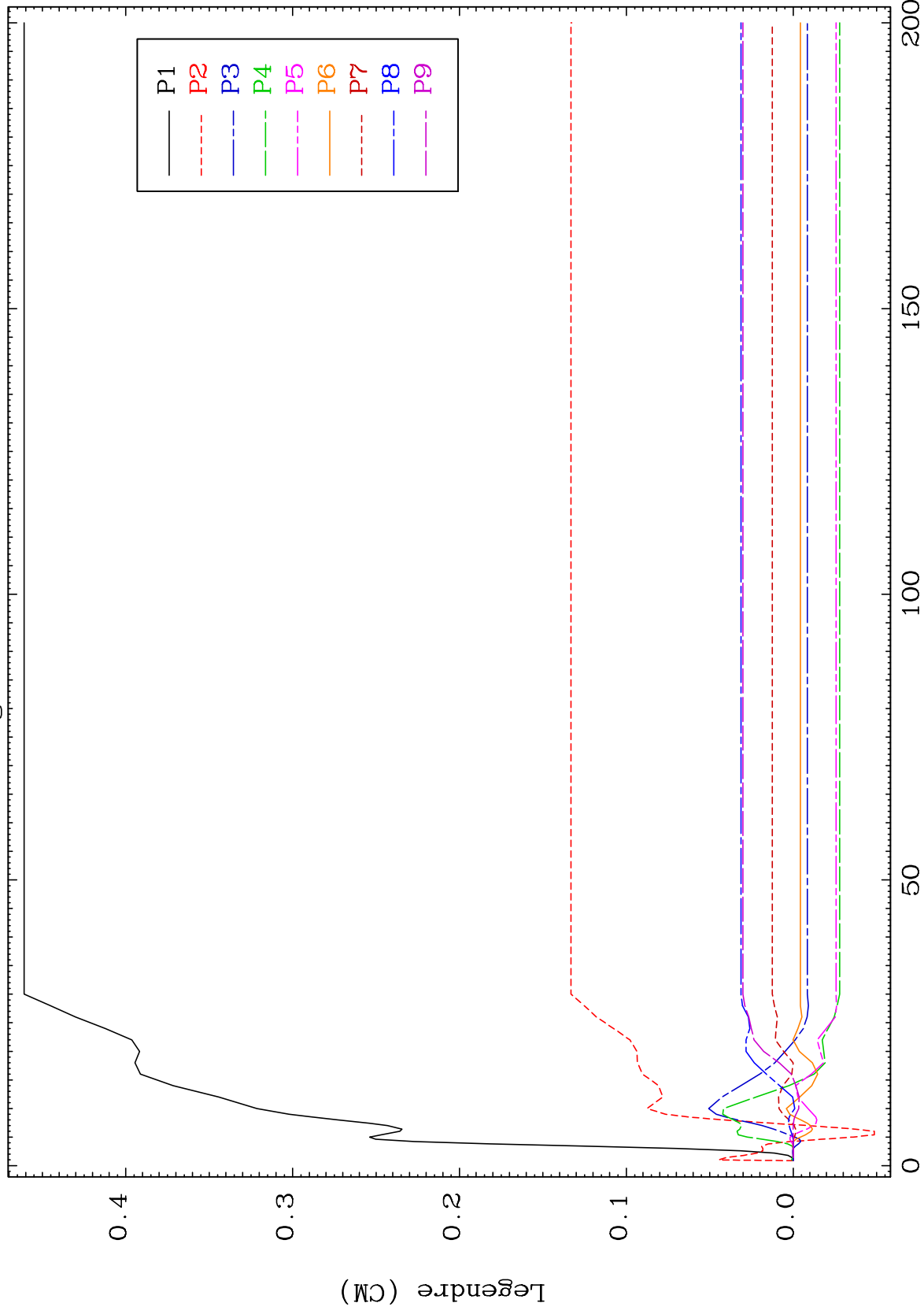
71-Lu-173



MAT 7119

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

71-Lu-173



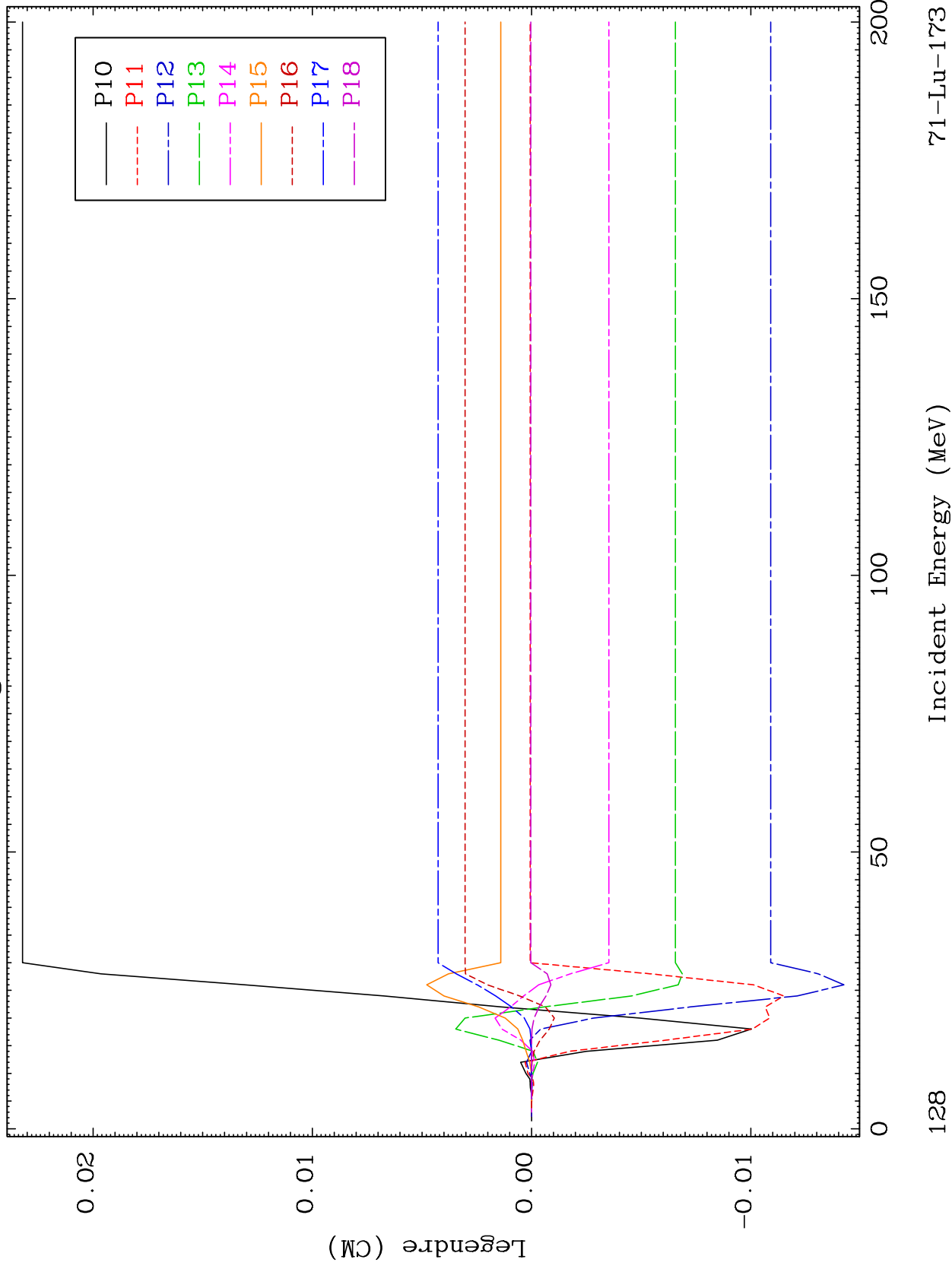
127

71-Lu-173

MAT 7119

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

71-Lu-173



71-Lu-173

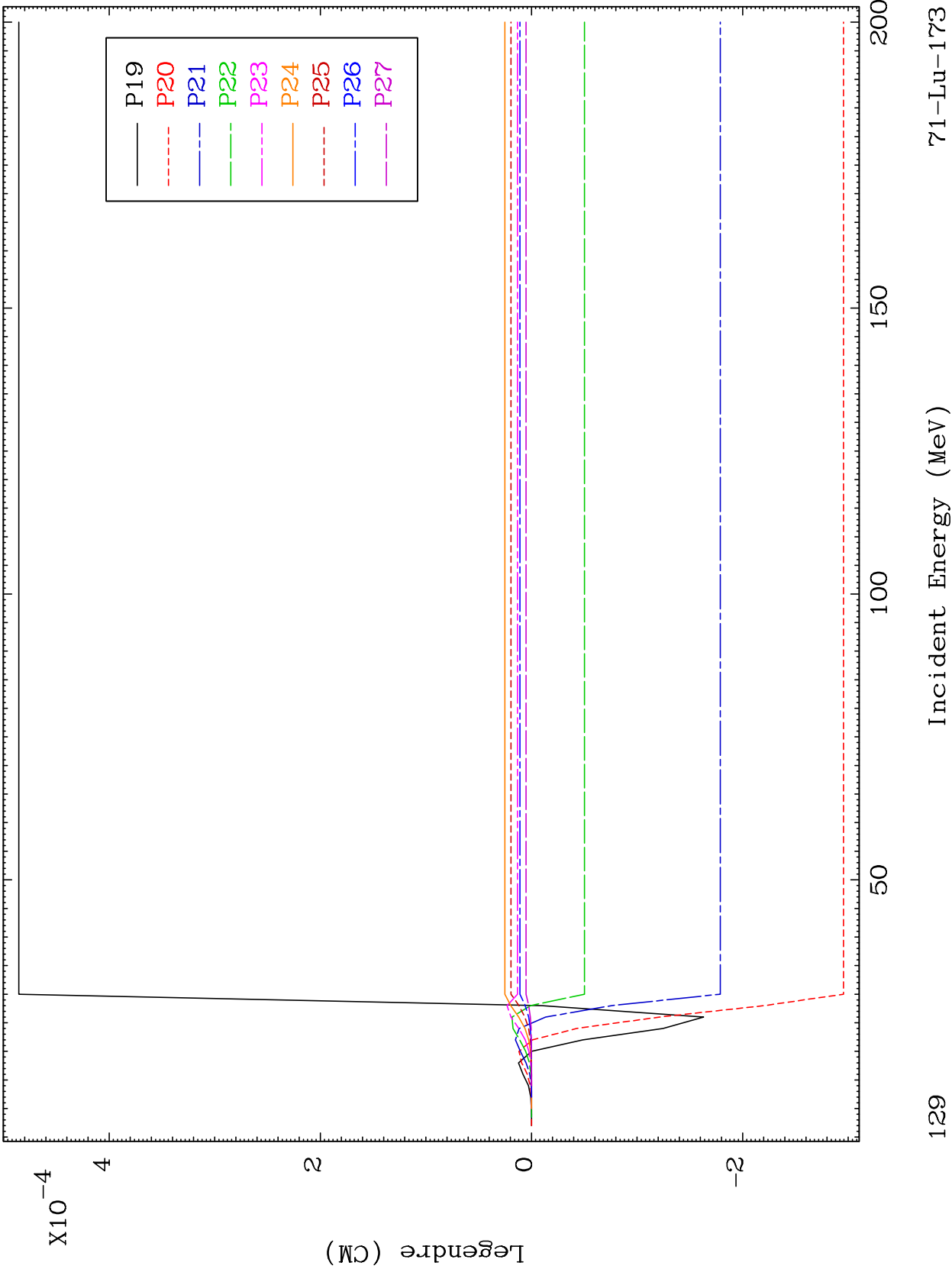
Incident Energy (MeV)

128

MAT 7119

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

71-Lu-173



129

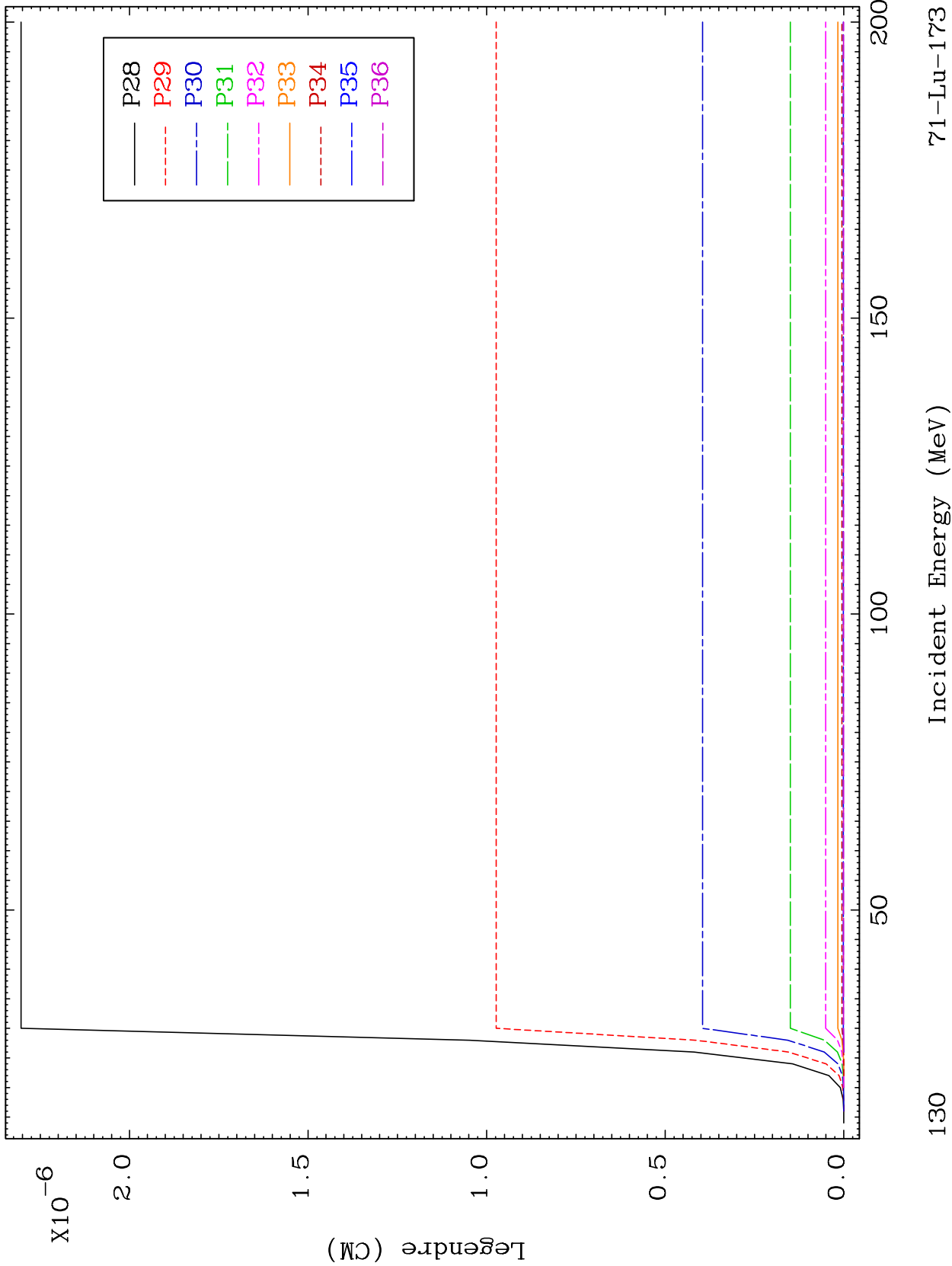
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

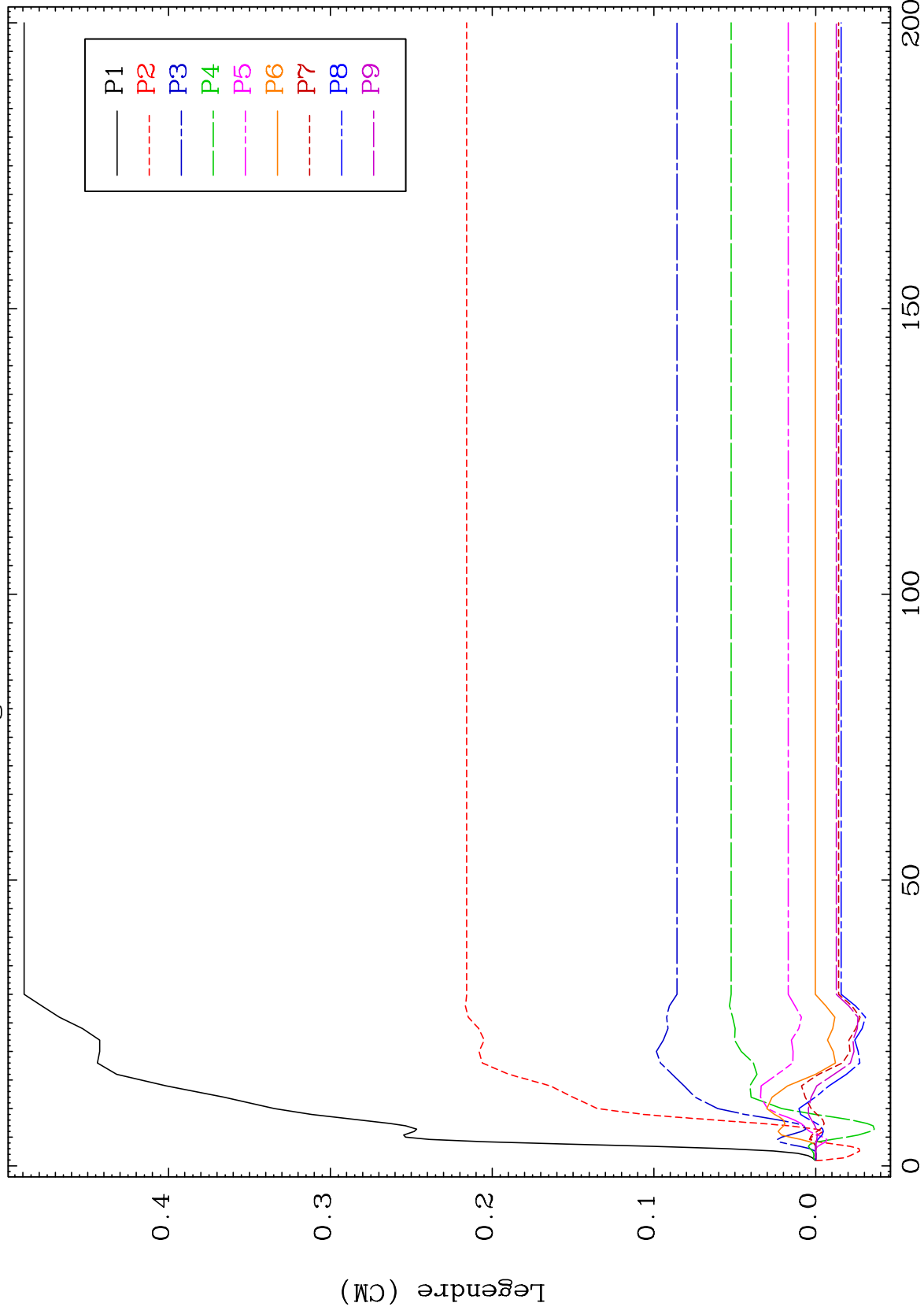
71-Lu-173



MAT 7119

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

71-Lu-173



131

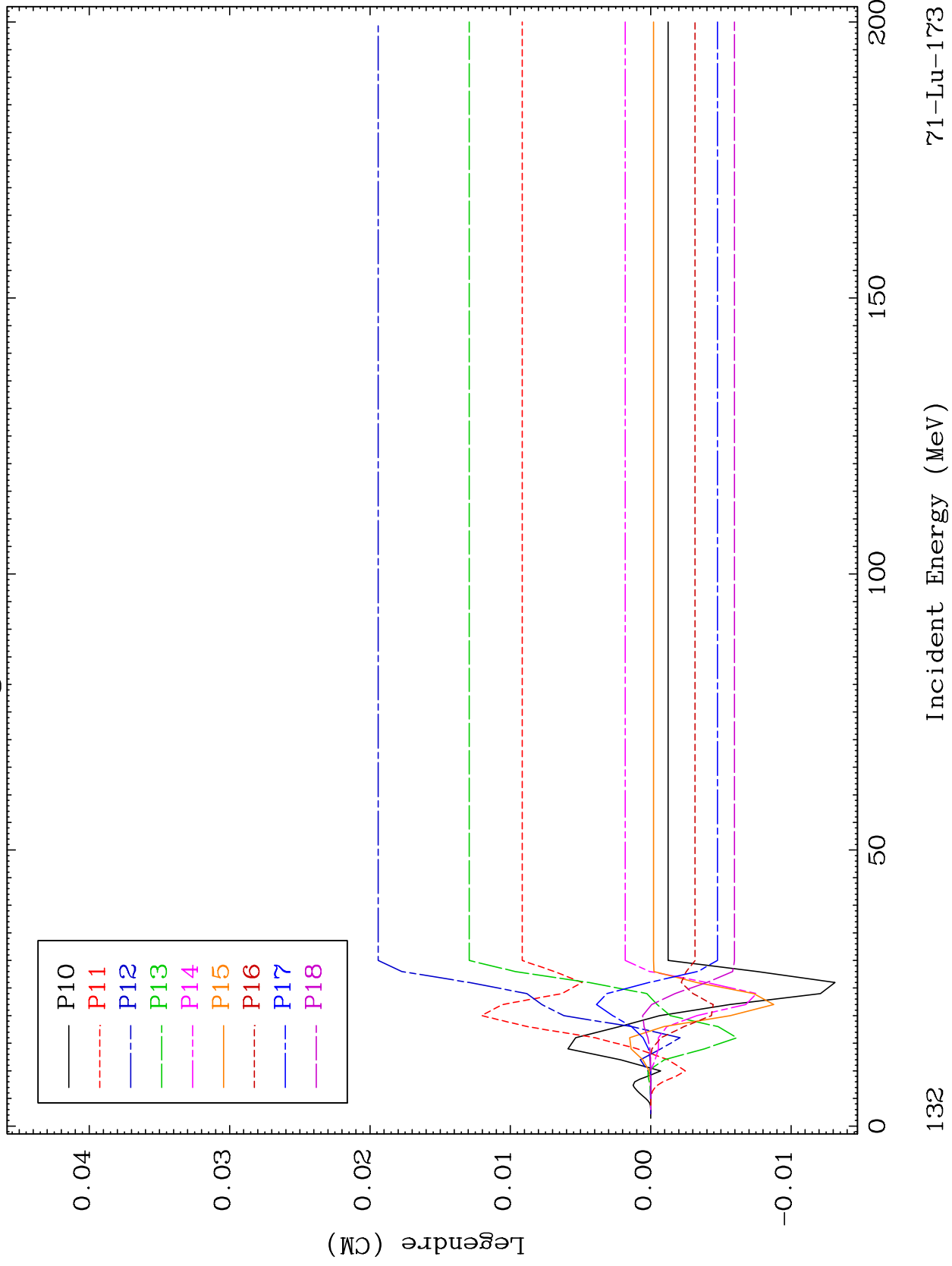
Incident Energy (MeV)

71-Lu-173

MAT 7119

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

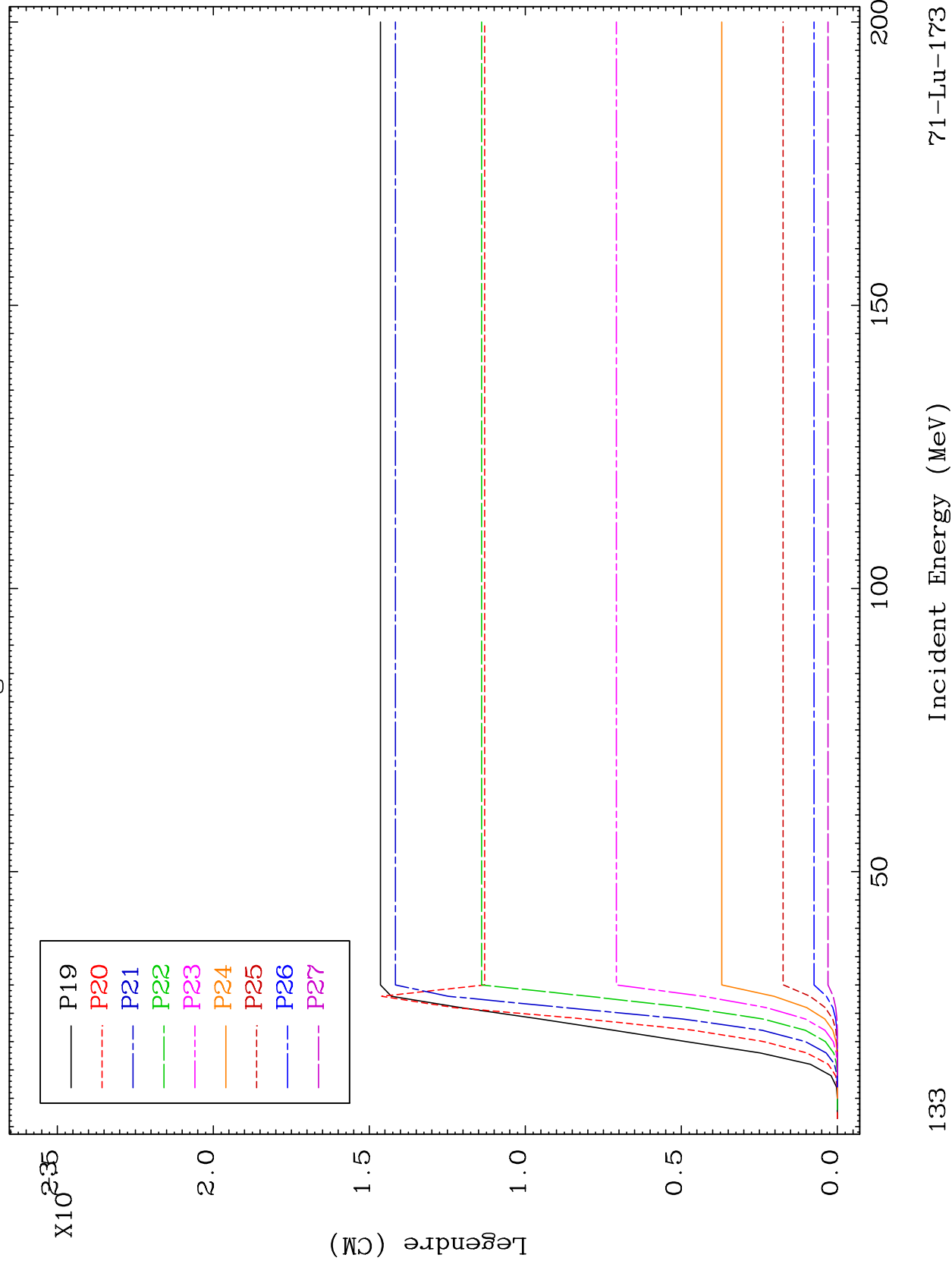
71-Lu-173



71-Lu-173

Incident Energy (MeV)

132

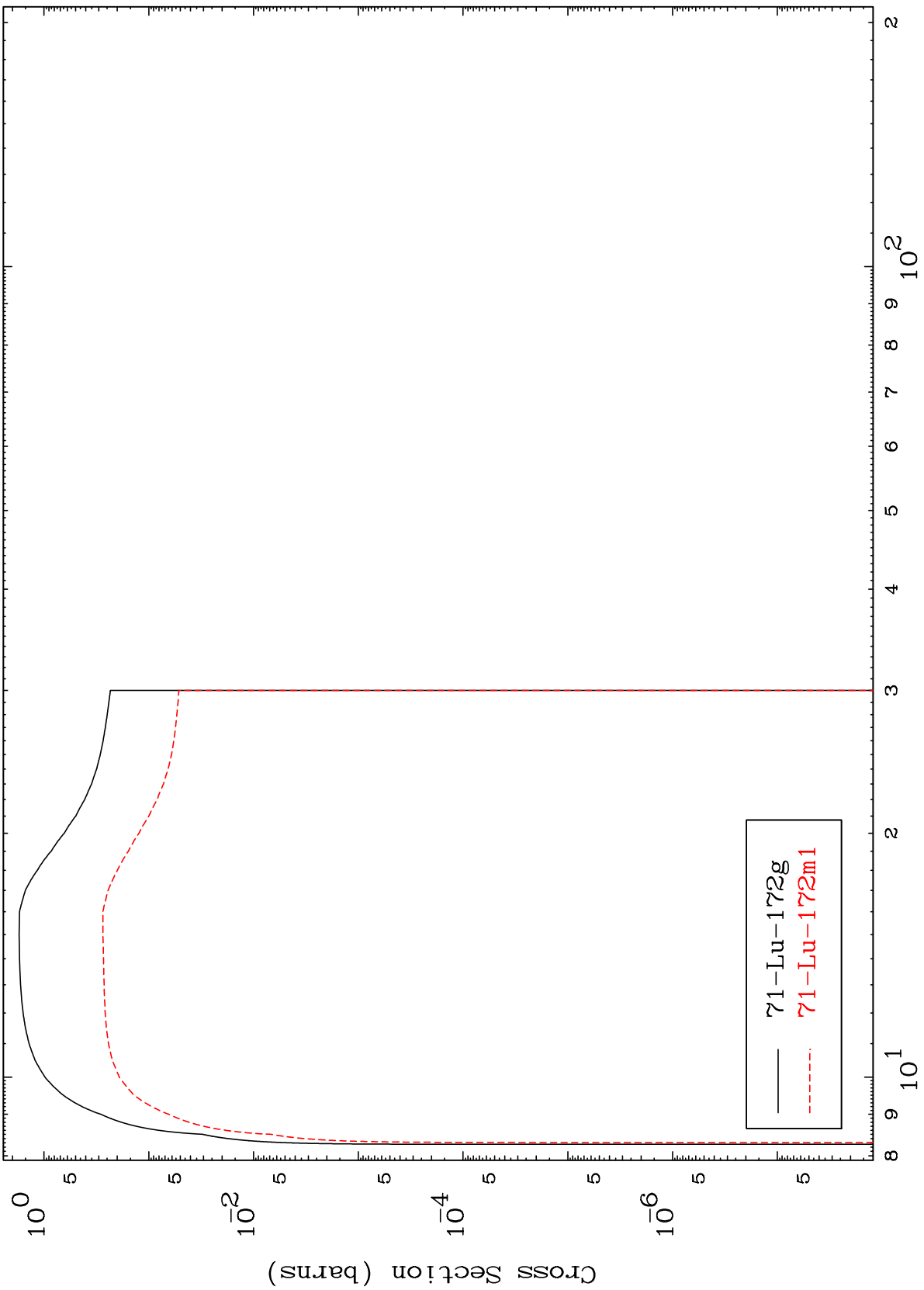




MAT 7119

71-Lu-173

(n,2n)  
Radionuclide Production Cross Section



71-Lu-173

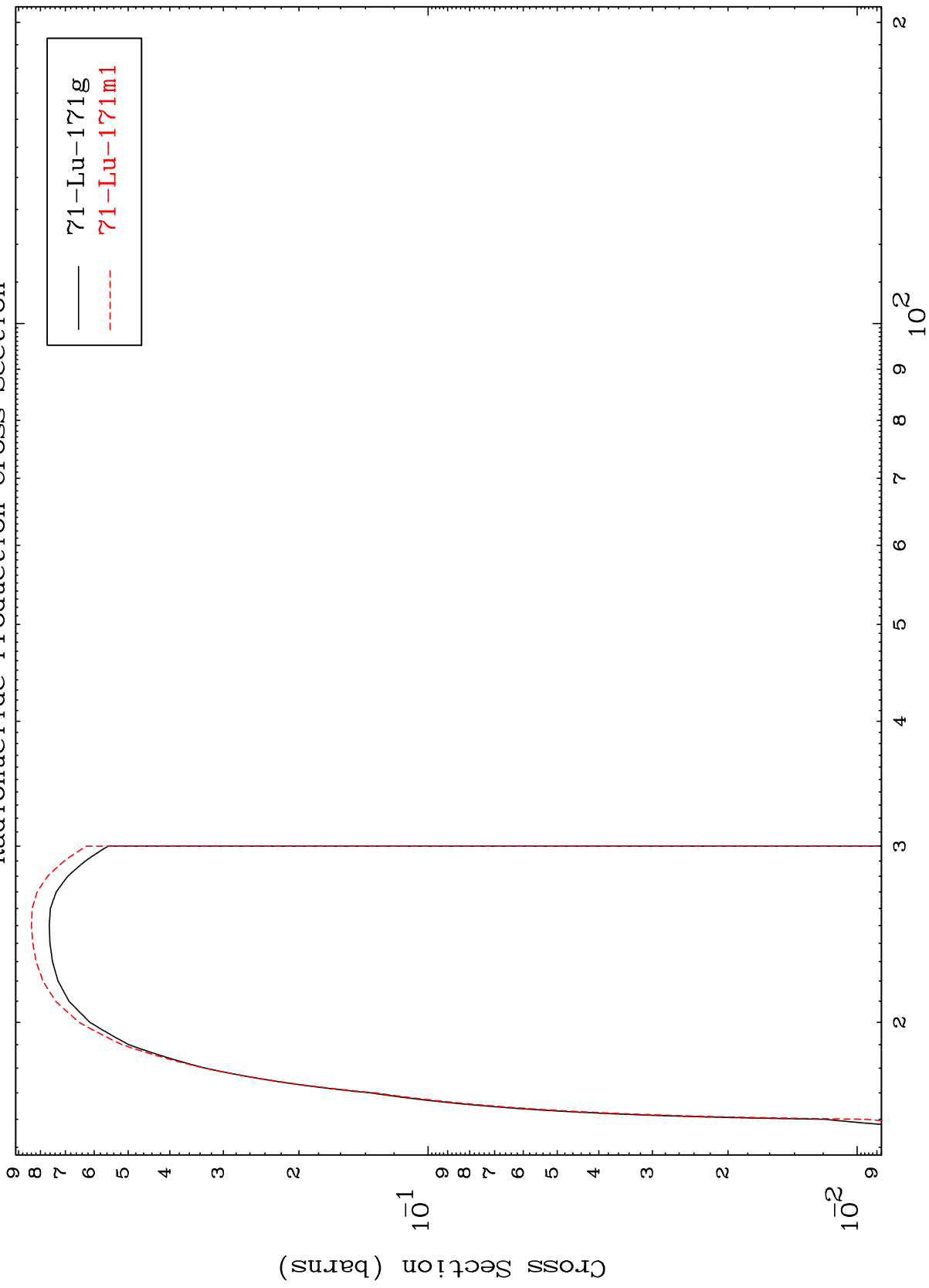
Incident Energy (MeV)

135

MAT 7119

71-Lu-173

(n,3n)  
Radionuclide Production Cross Section



136

Incident Energy (MeV)

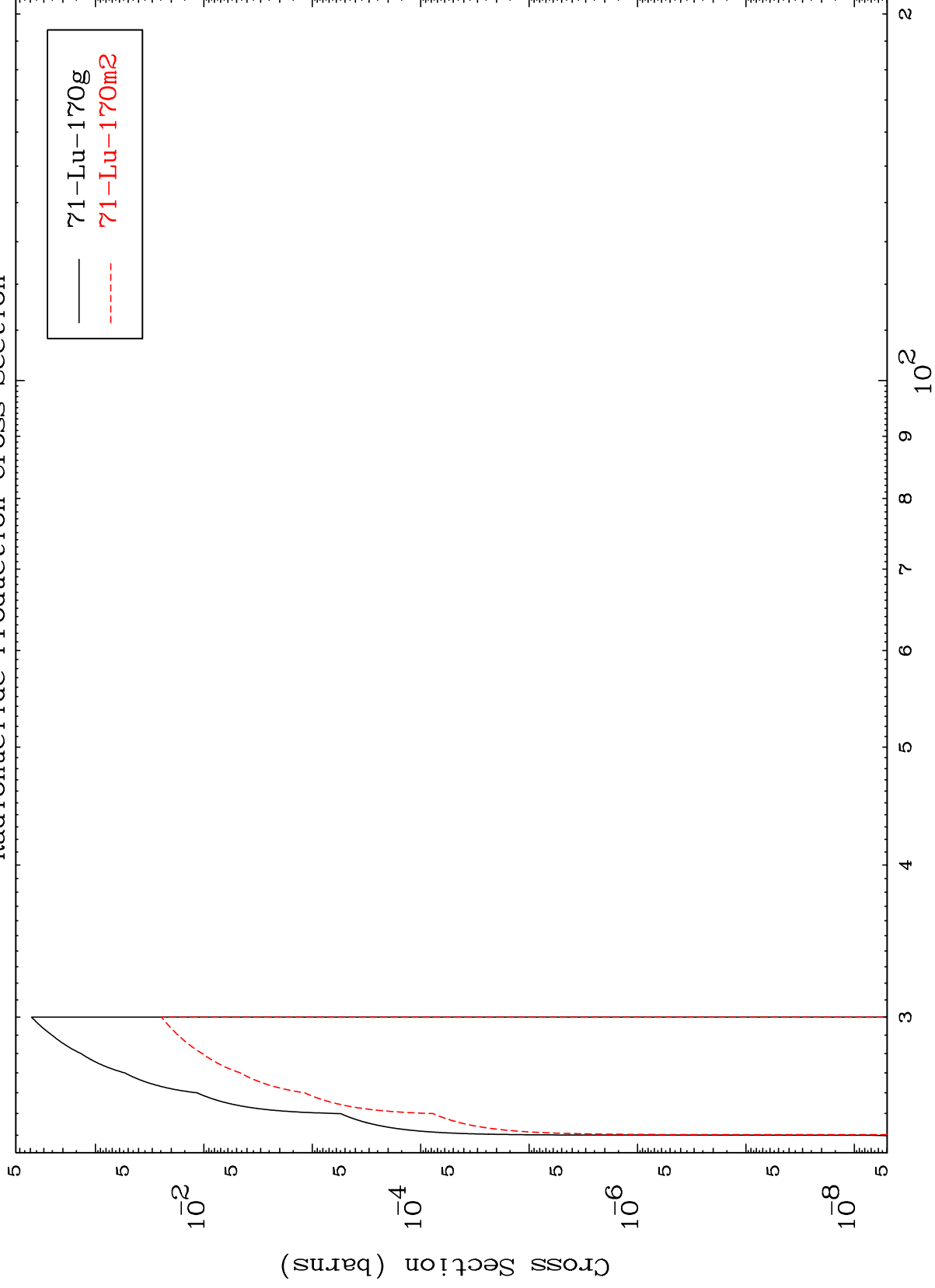
71-Lu-173

MAT 7119

(n,4n)

<sup>71</sup>Lu-173

Radionuclide Production Cross Section



137

Incident Energy (MeV)

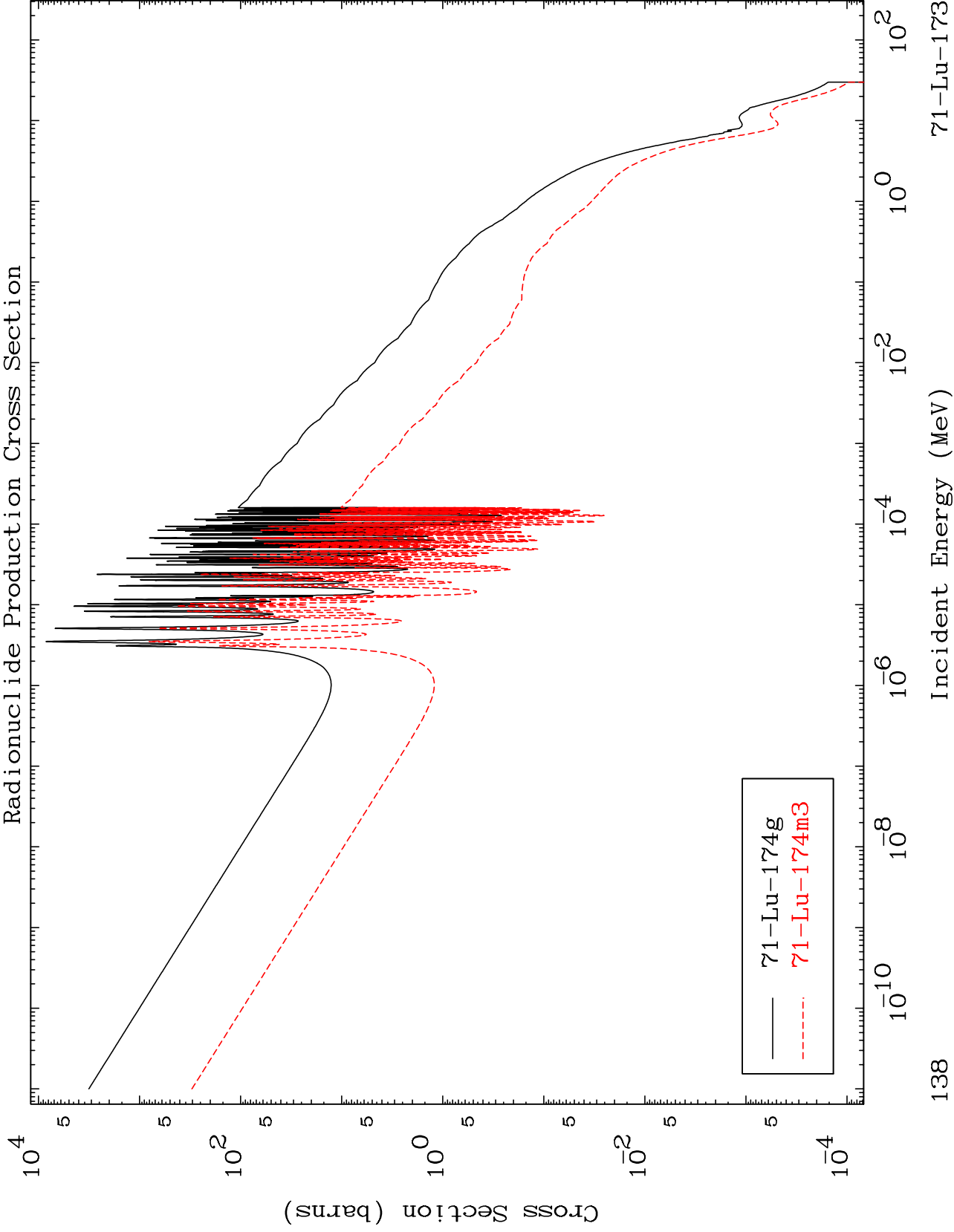
<sup>71</sup>Lu-173

MAT 7119

<sup>71</sup>Lu-173

Radionuclide Production Cross Section

(n,  $\gamma$ )

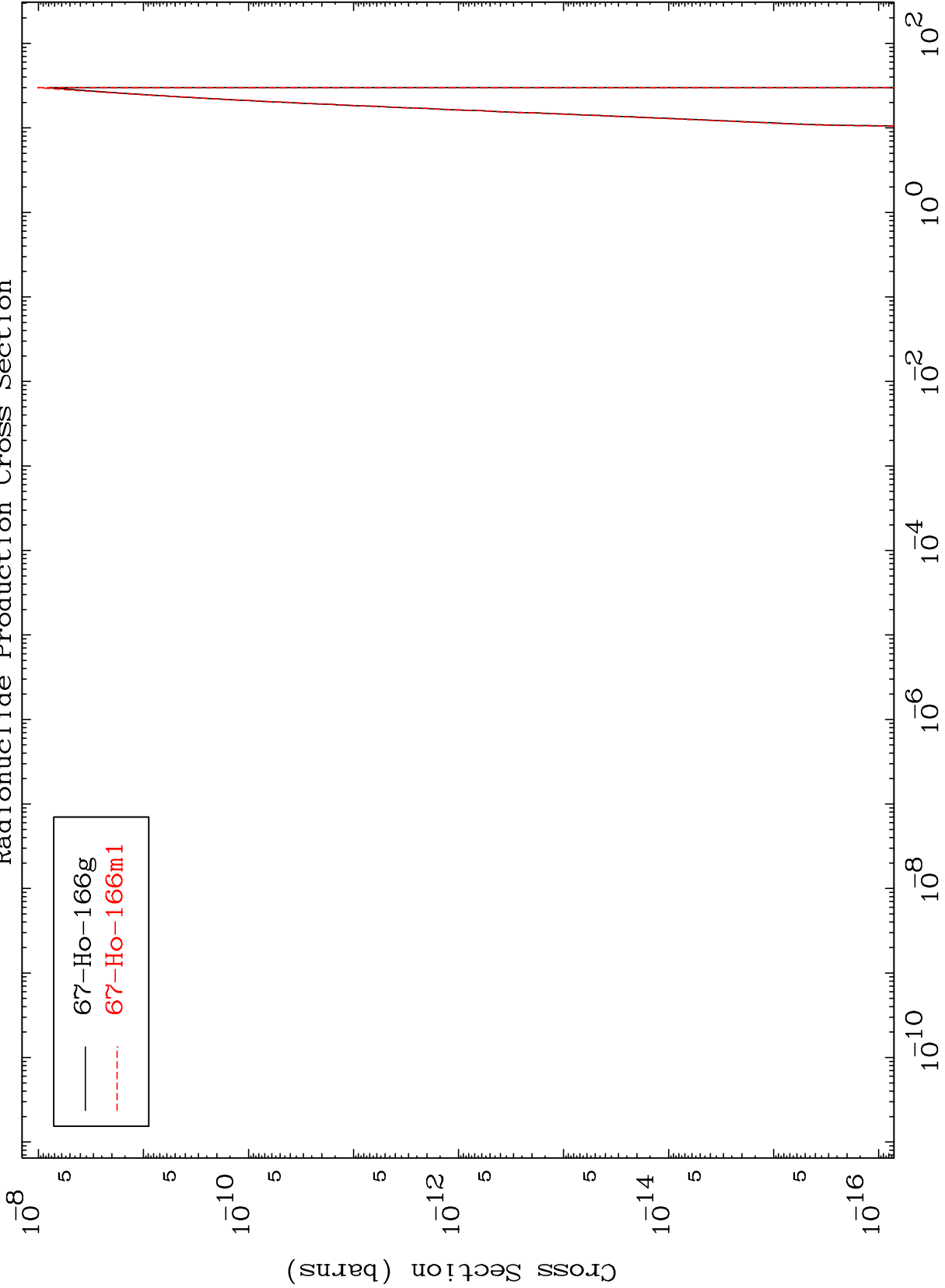


MAT 7119

(n,2α)

71-Lu-173

Radionuclide Production Cross Section



139

Incident Energy (MeV)

71-Lu-173