

Program EVALPLOT  
(Version 2017-1)

by

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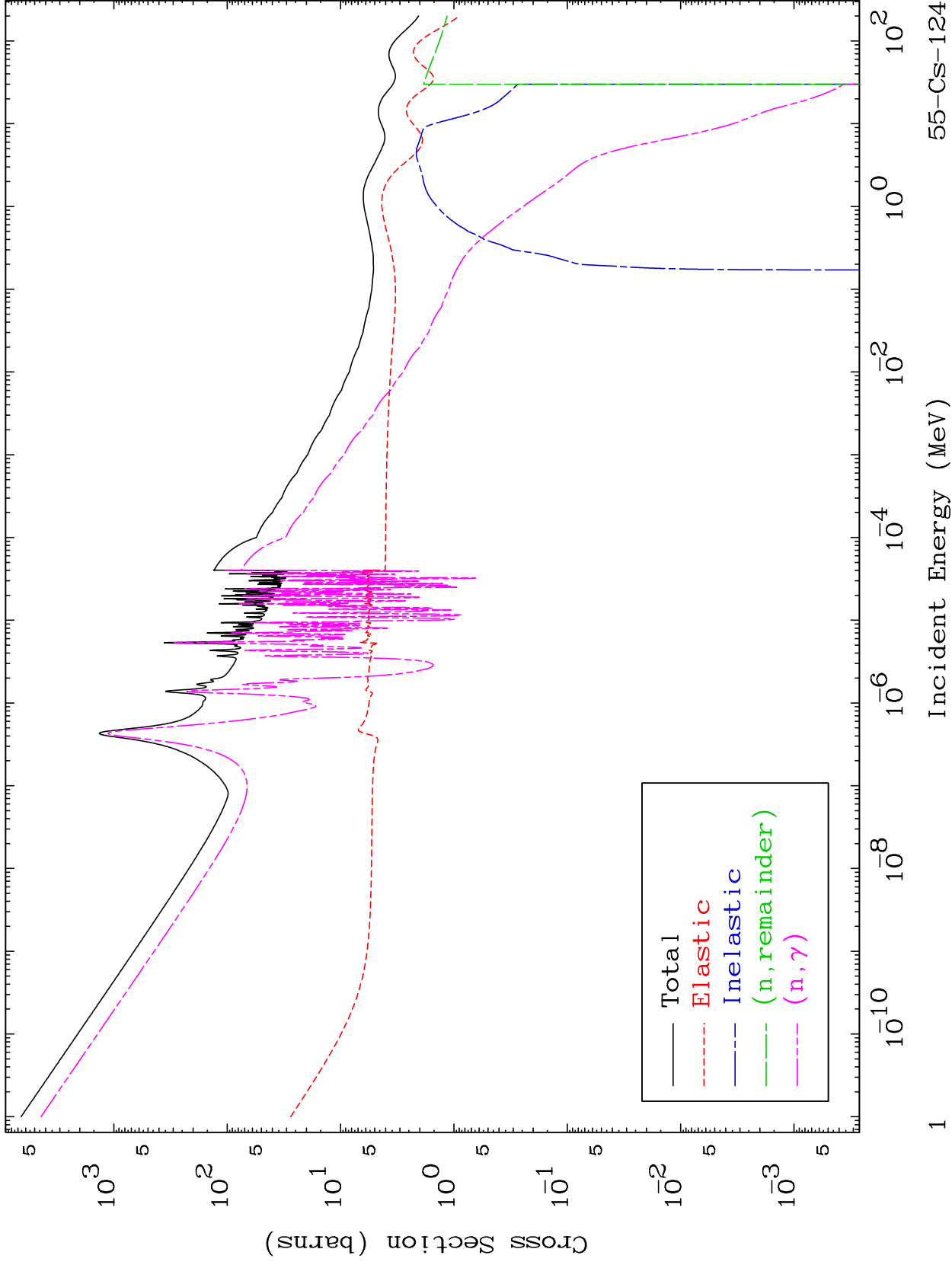
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5498

Major  
293 Kelvin Cross Sections

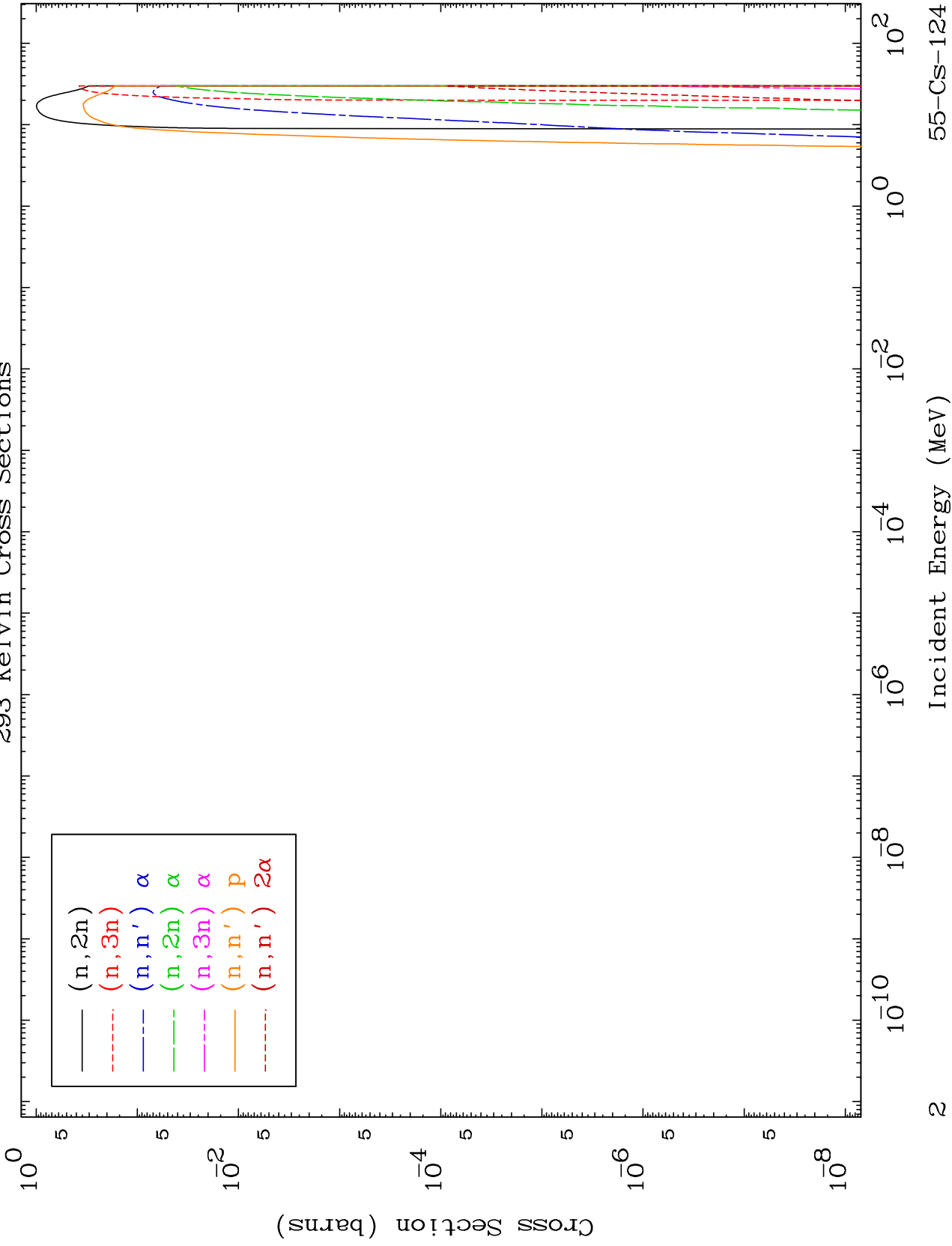
55-Cs-124

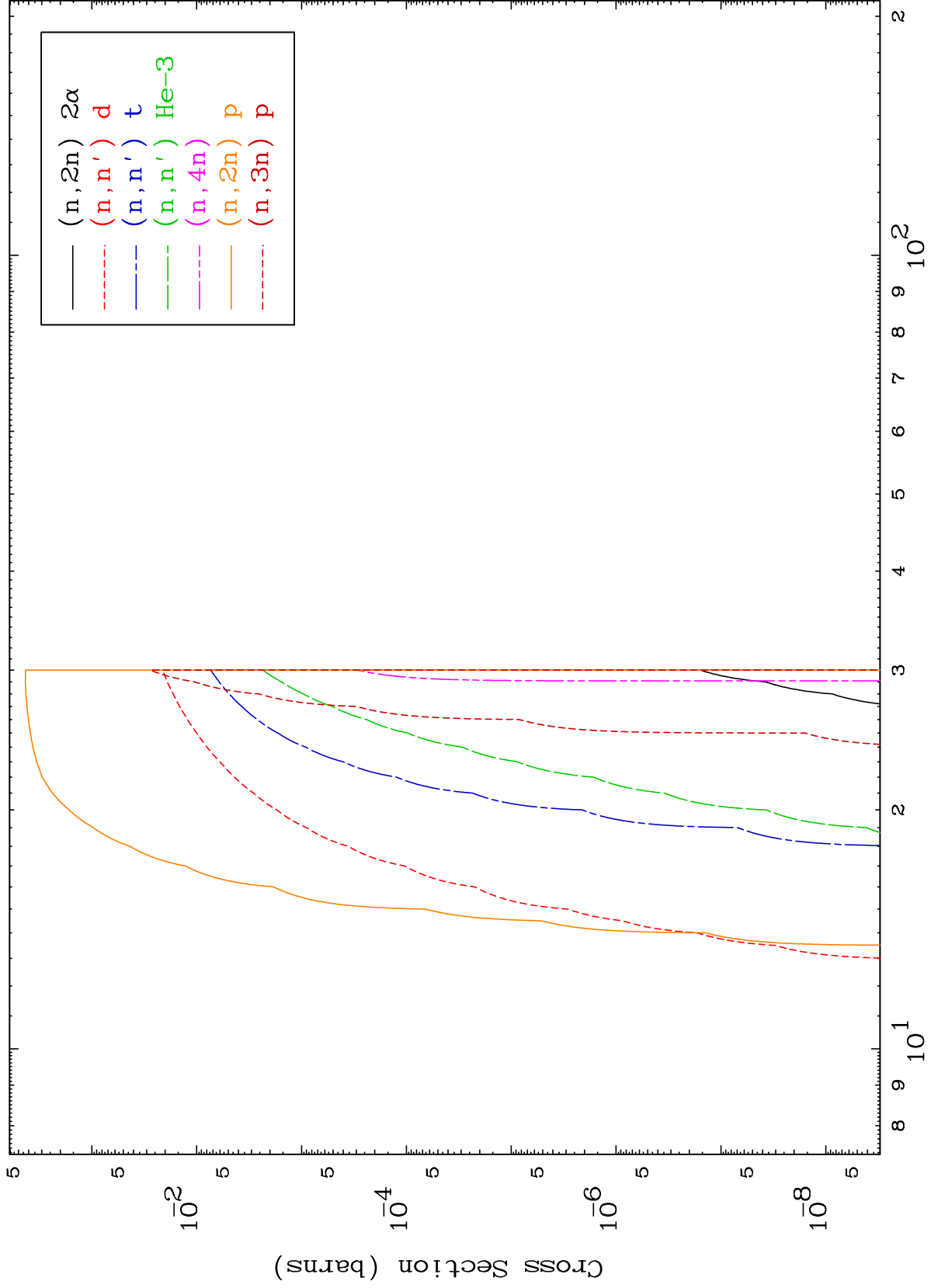


MAT 5498

Neutron Production  
293 Kelvin Cross Sections

55-Cs-124



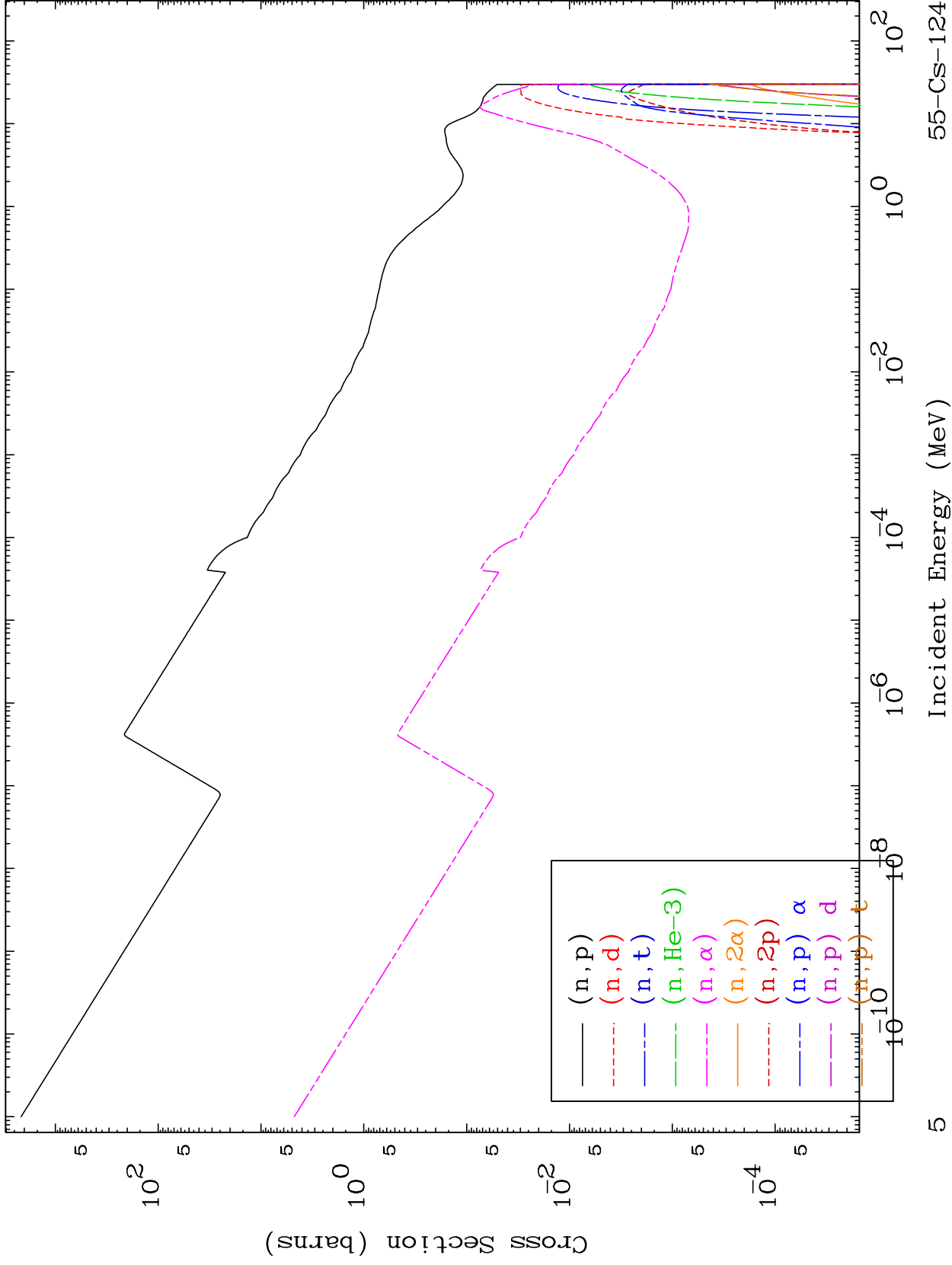




MAT 5498

Charged Particle  
293 Kelvin Cross Sections

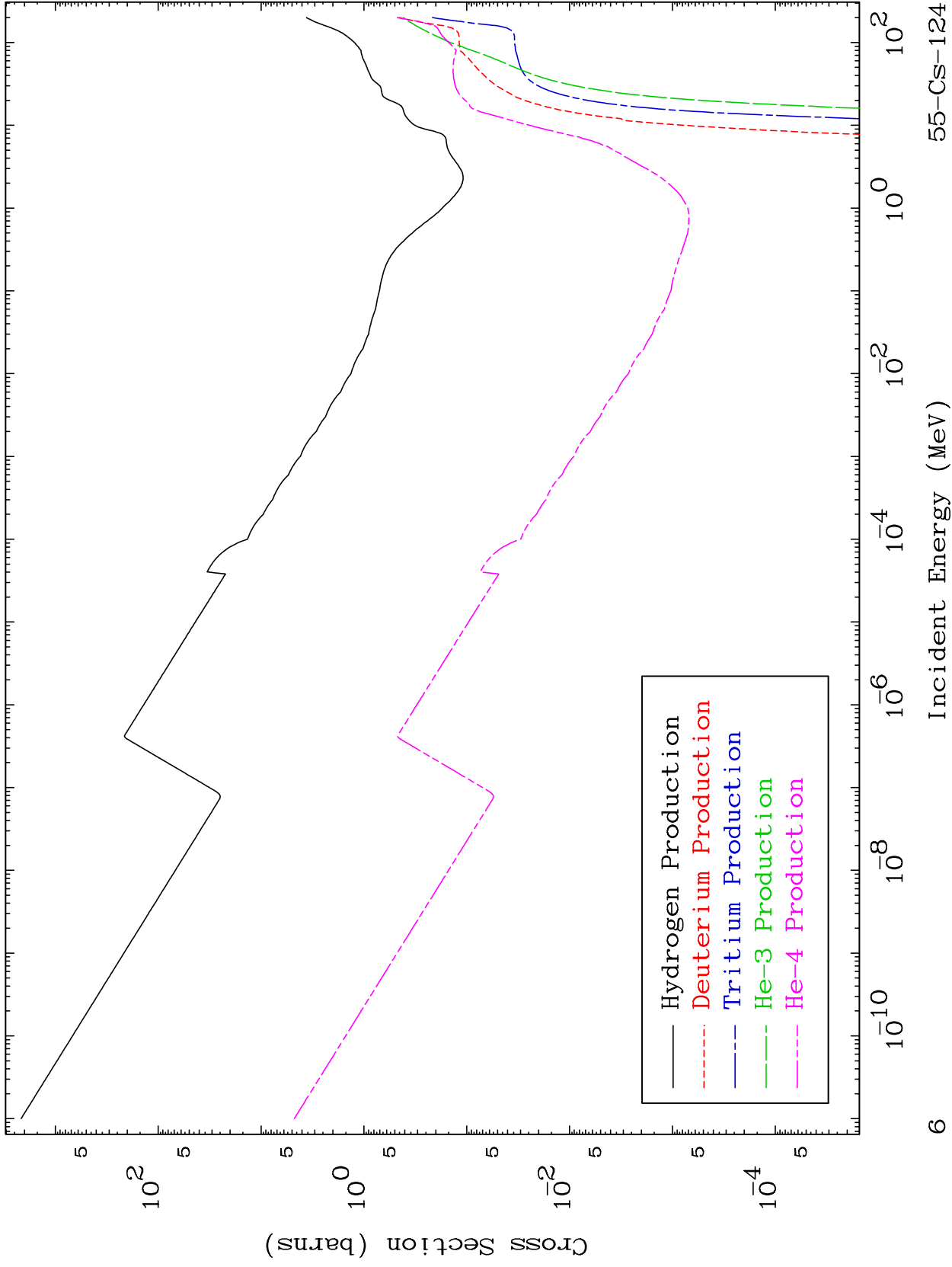
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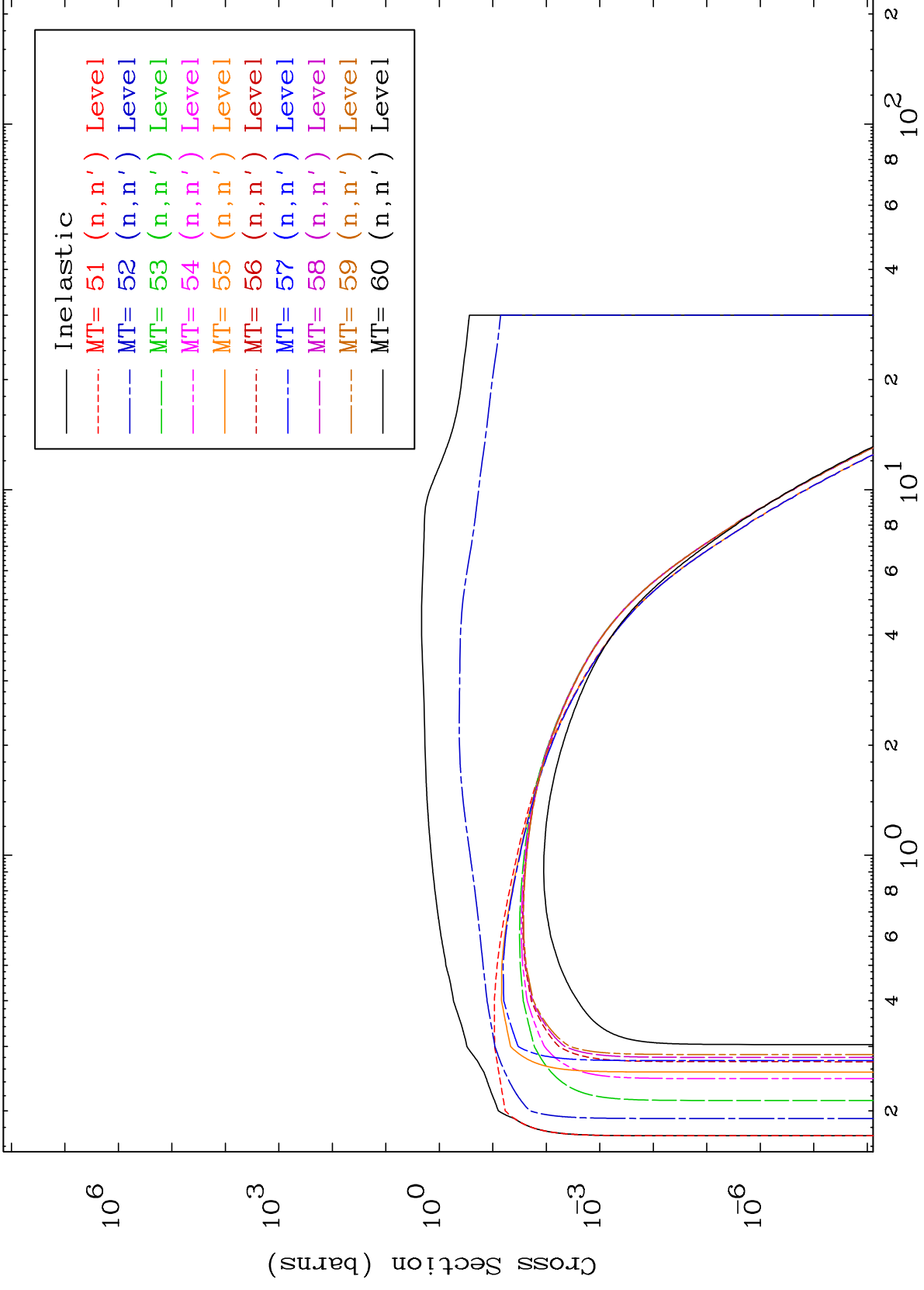
MAT 5498

Particle Production  
293 Kelvin Cross Sections

55-Cs-124



293 Kelvin Cross Sections

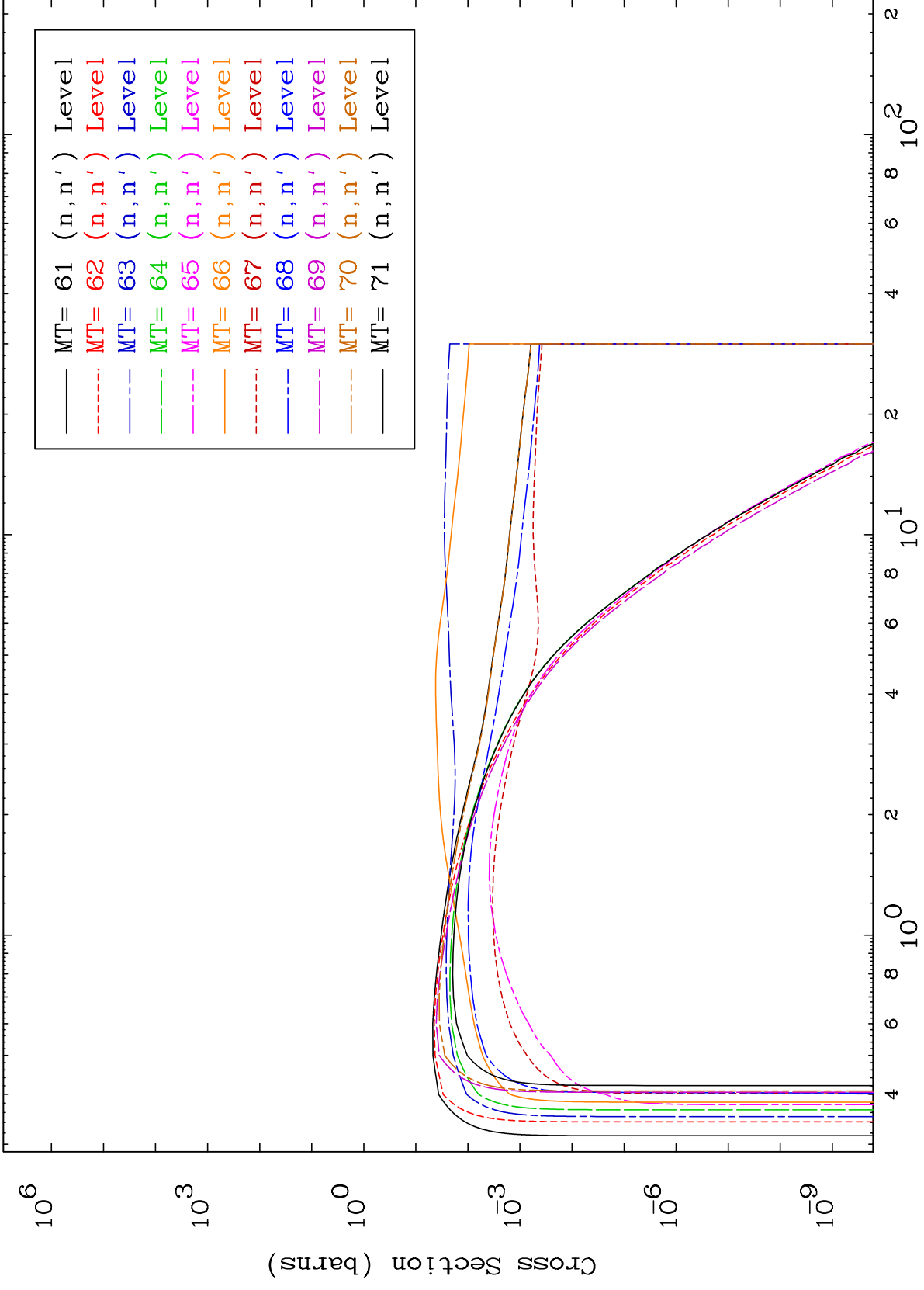


MAT 5498

(n,n') Level

55-Cs-124

293 Kelvin Cross Sections



8

Incident Energy (MeV)

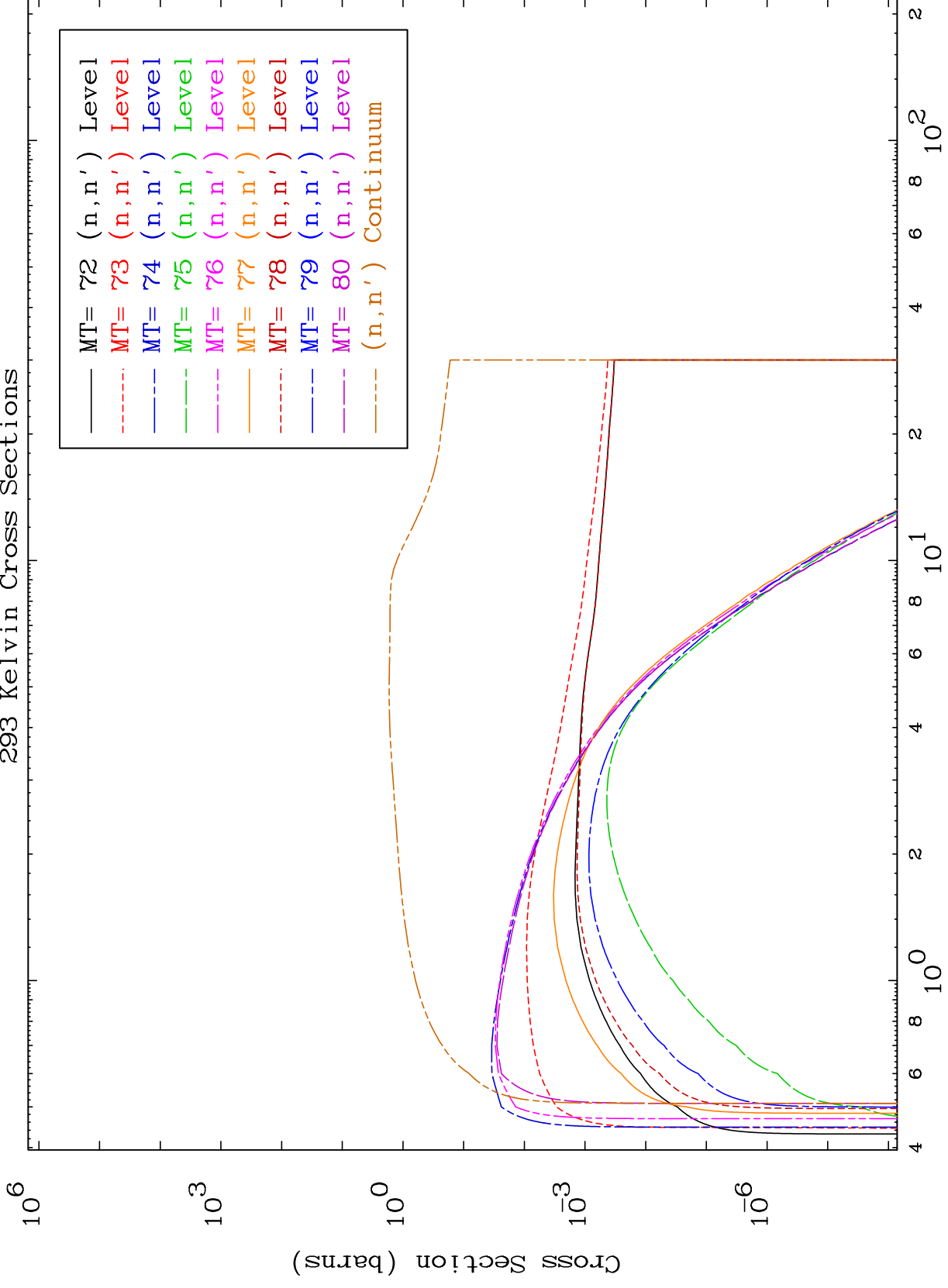
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MAT 5498

(n,n') Level

293 Kelvin Cross Sections

55-Cs-124



9

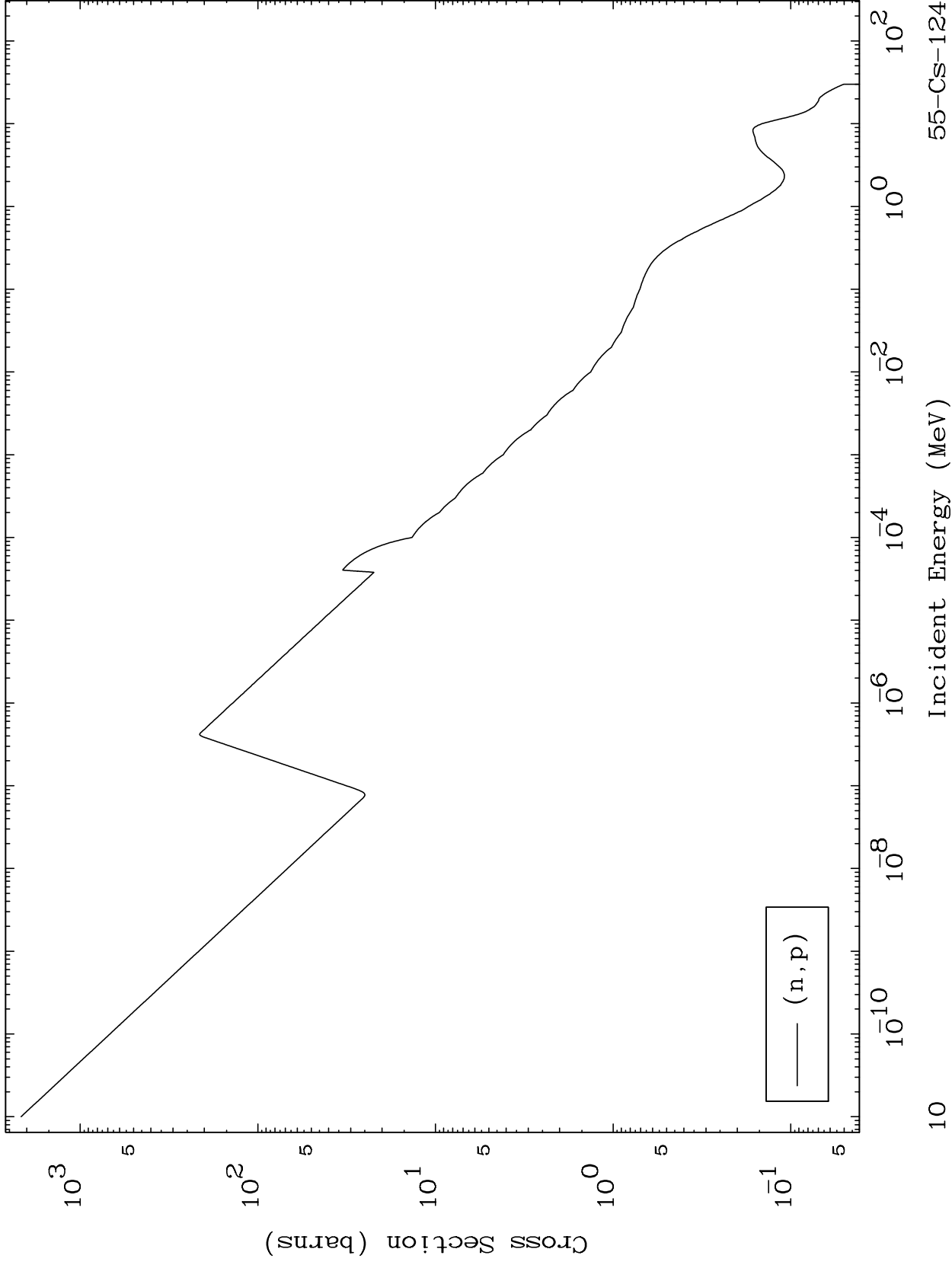
Incident Energy (MeV)

55-Cs-124

MAT 5498

(n,p) Levels  
293 Kelvin Cross Sections

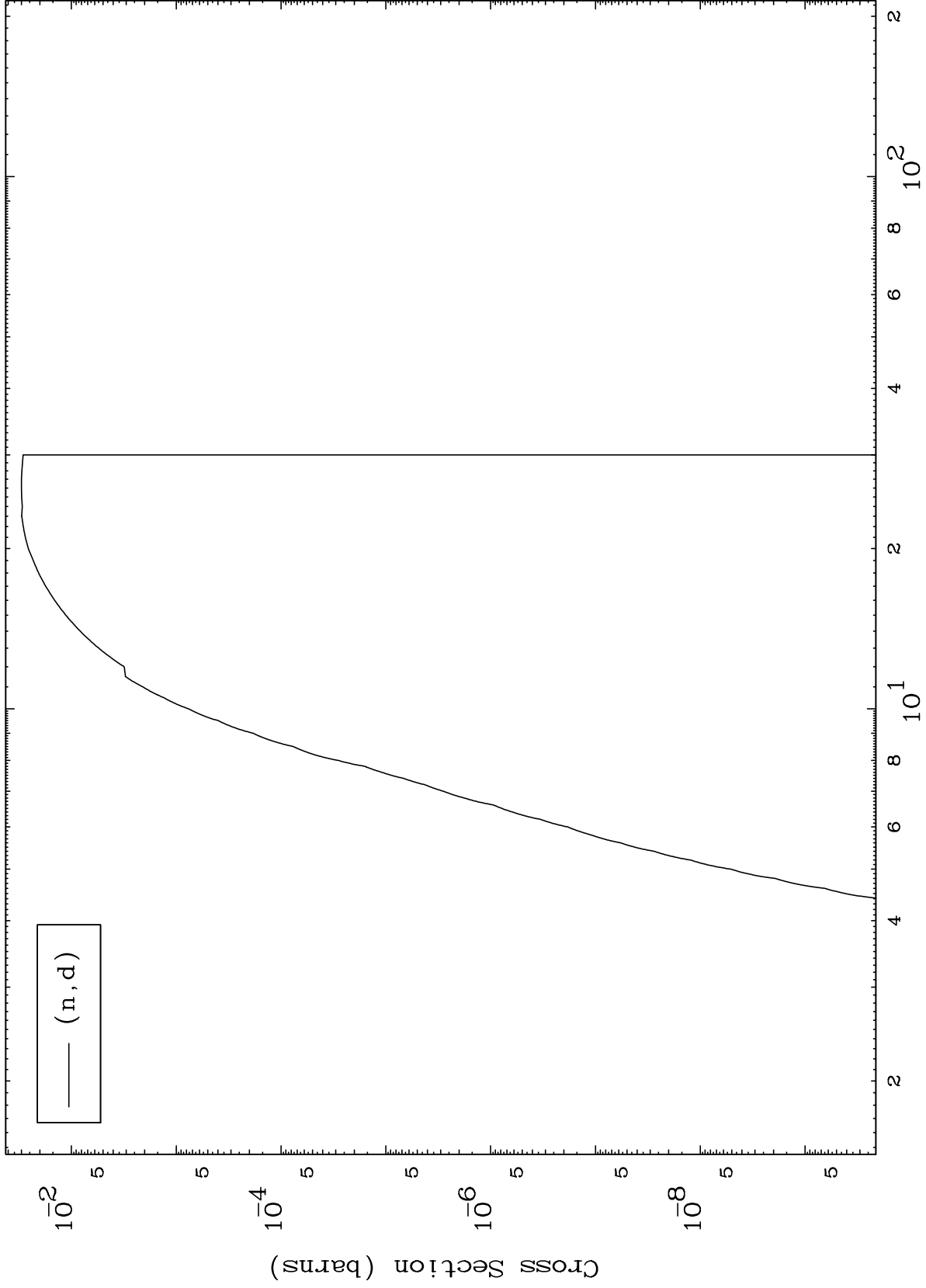
55-Cs-124



MAT 5498

(n,d) Levels  
293 Kelvin Cross Sections

55-Cs-124

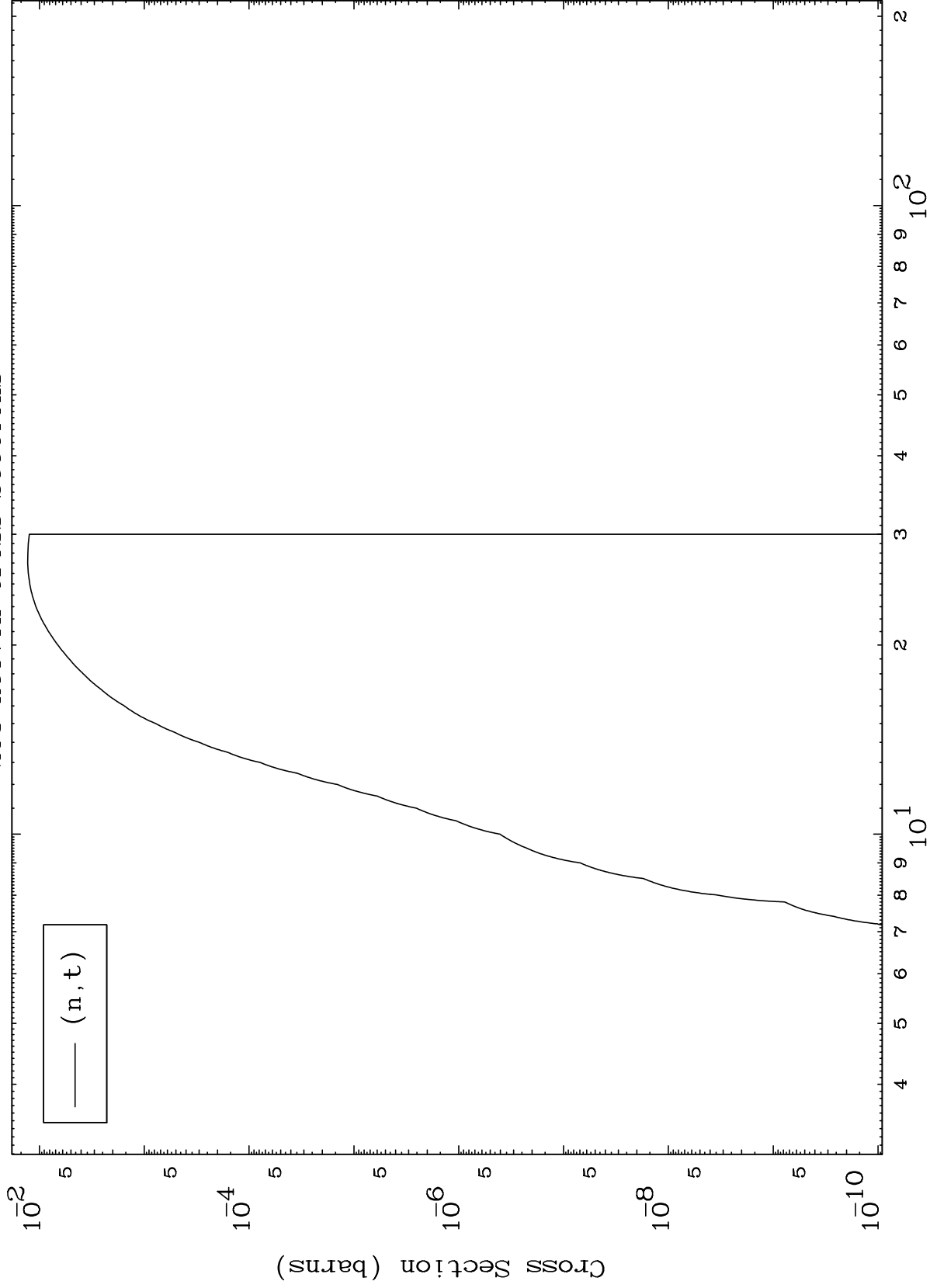


(n,d)

MAT 5498

(n,t) Levels  
293 Kelvin Cross Sections

55-Cs-124



12

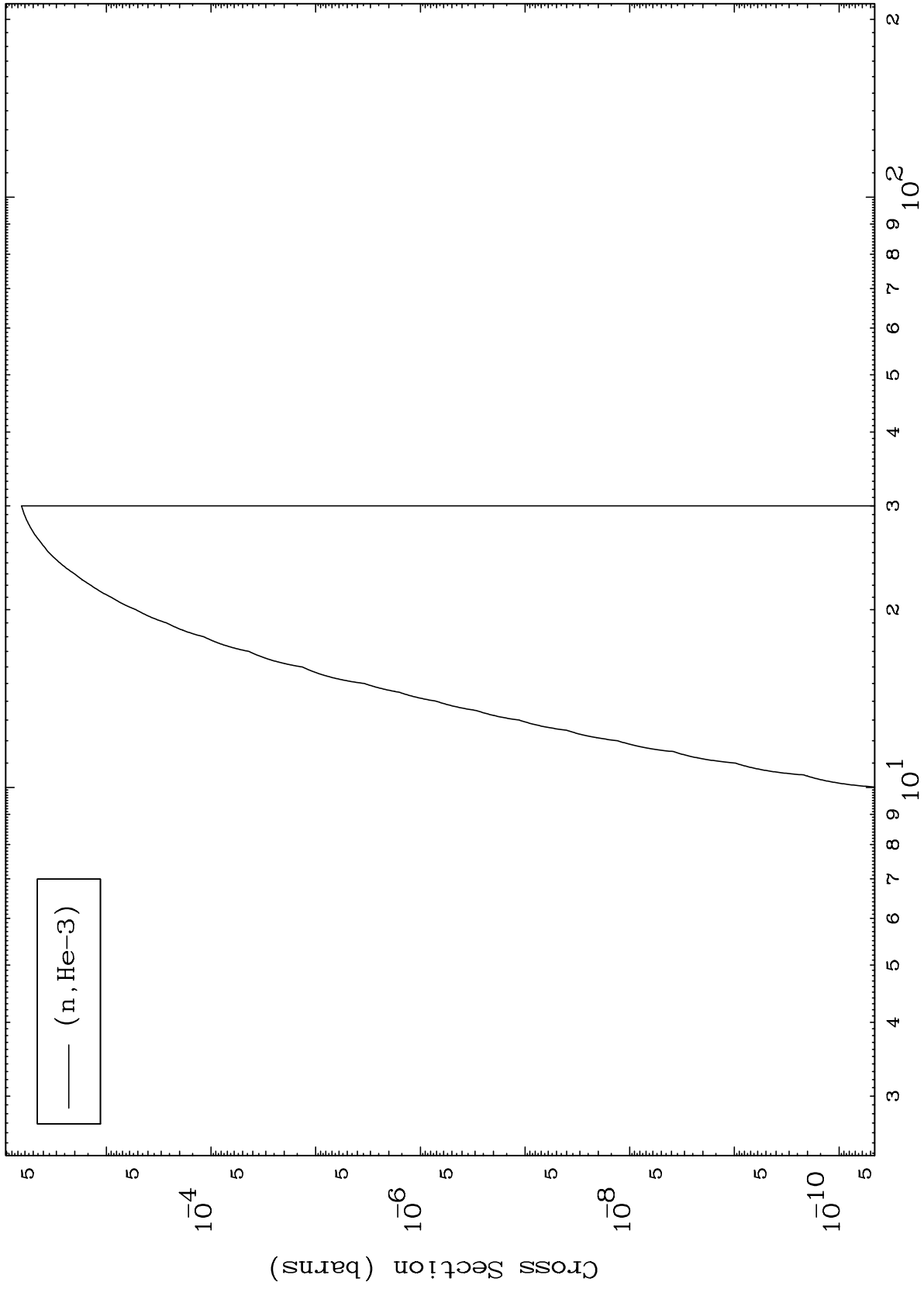
Incident Energy (MeV)

55-Cs-124

MAT 5498

(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-124



13

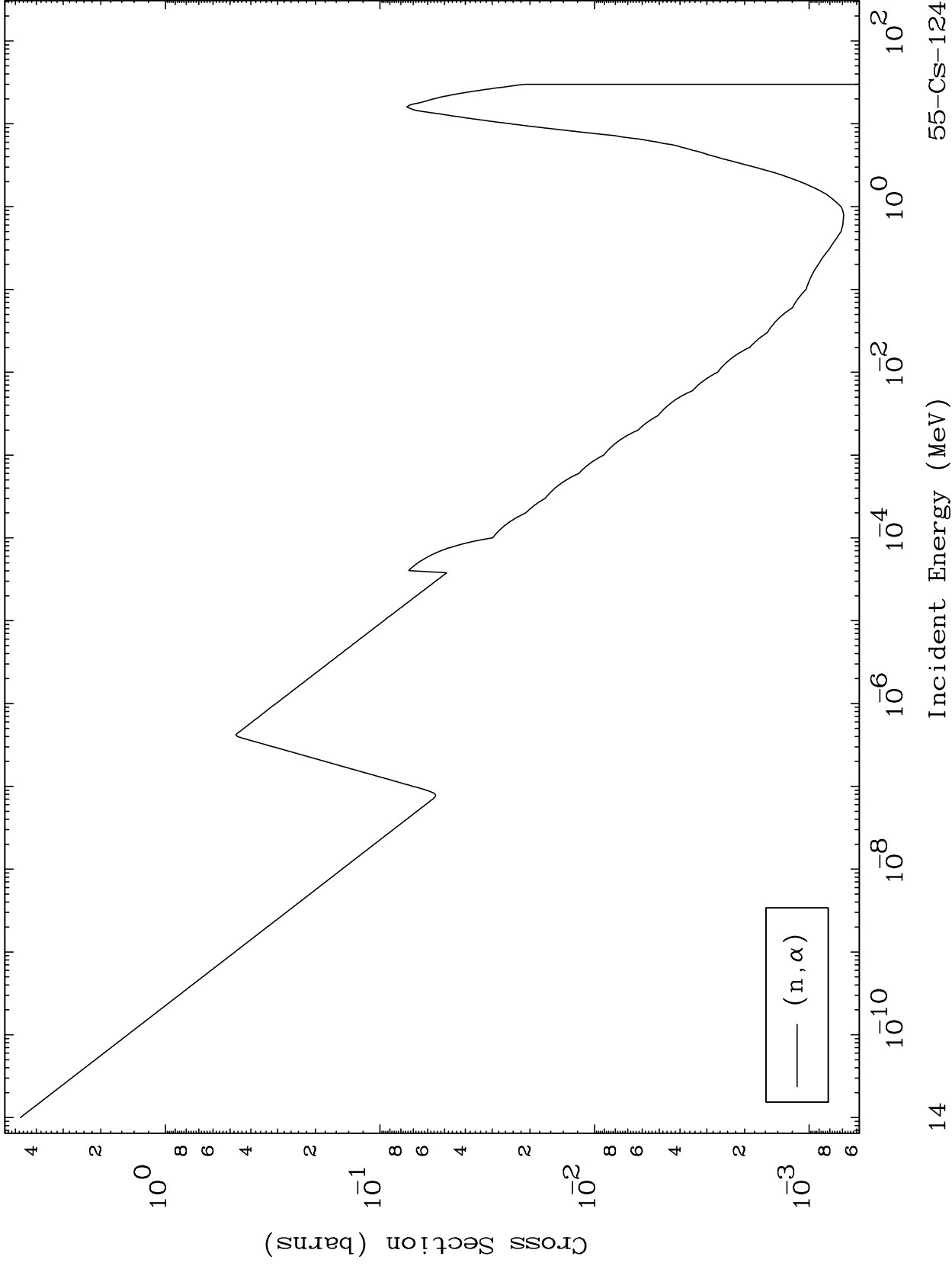
Incident Energy (MeV)

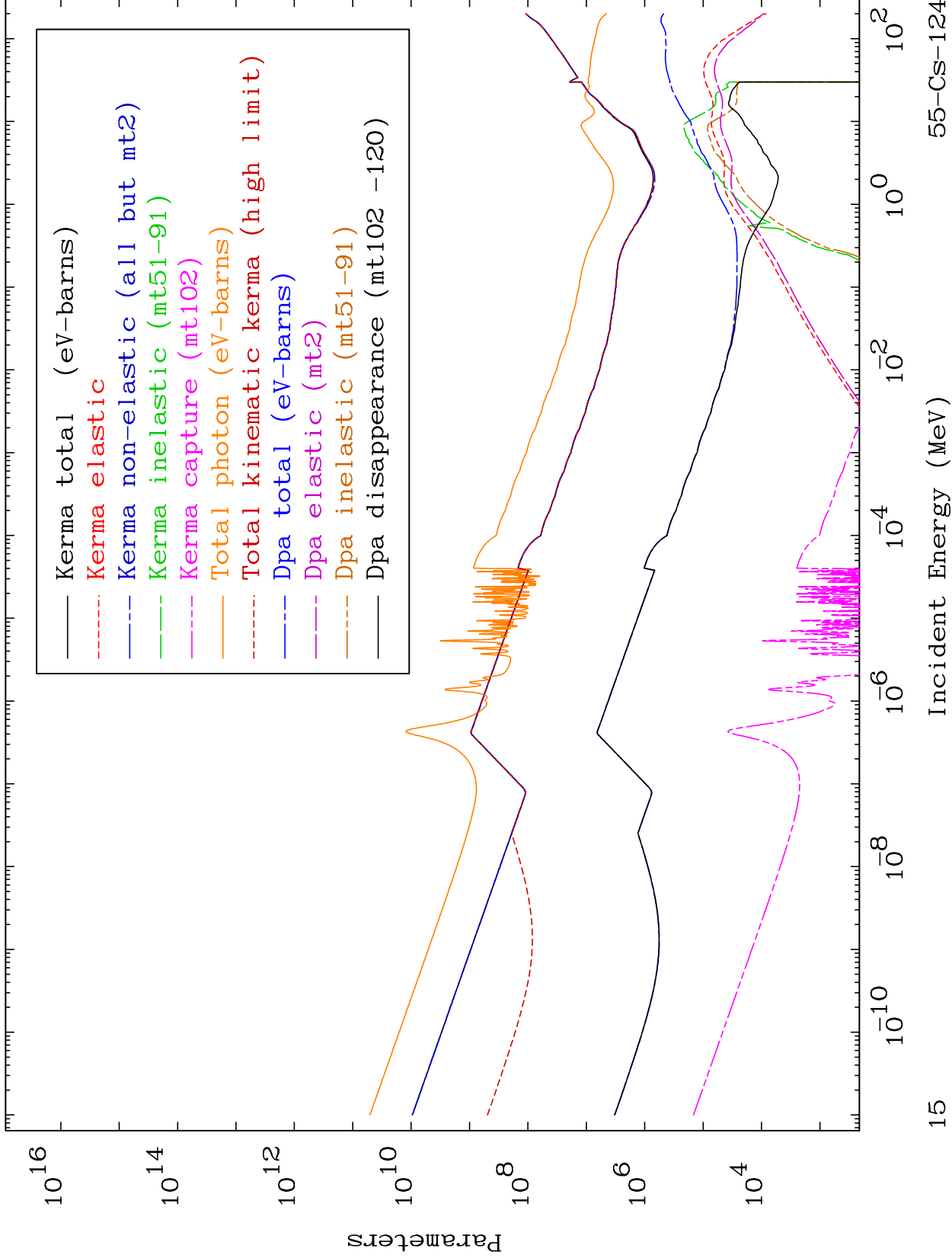
55-Cs-124

MAT 5498

(n,α) Levels  
293 Kelvin Cross Sections

55-Cs-124

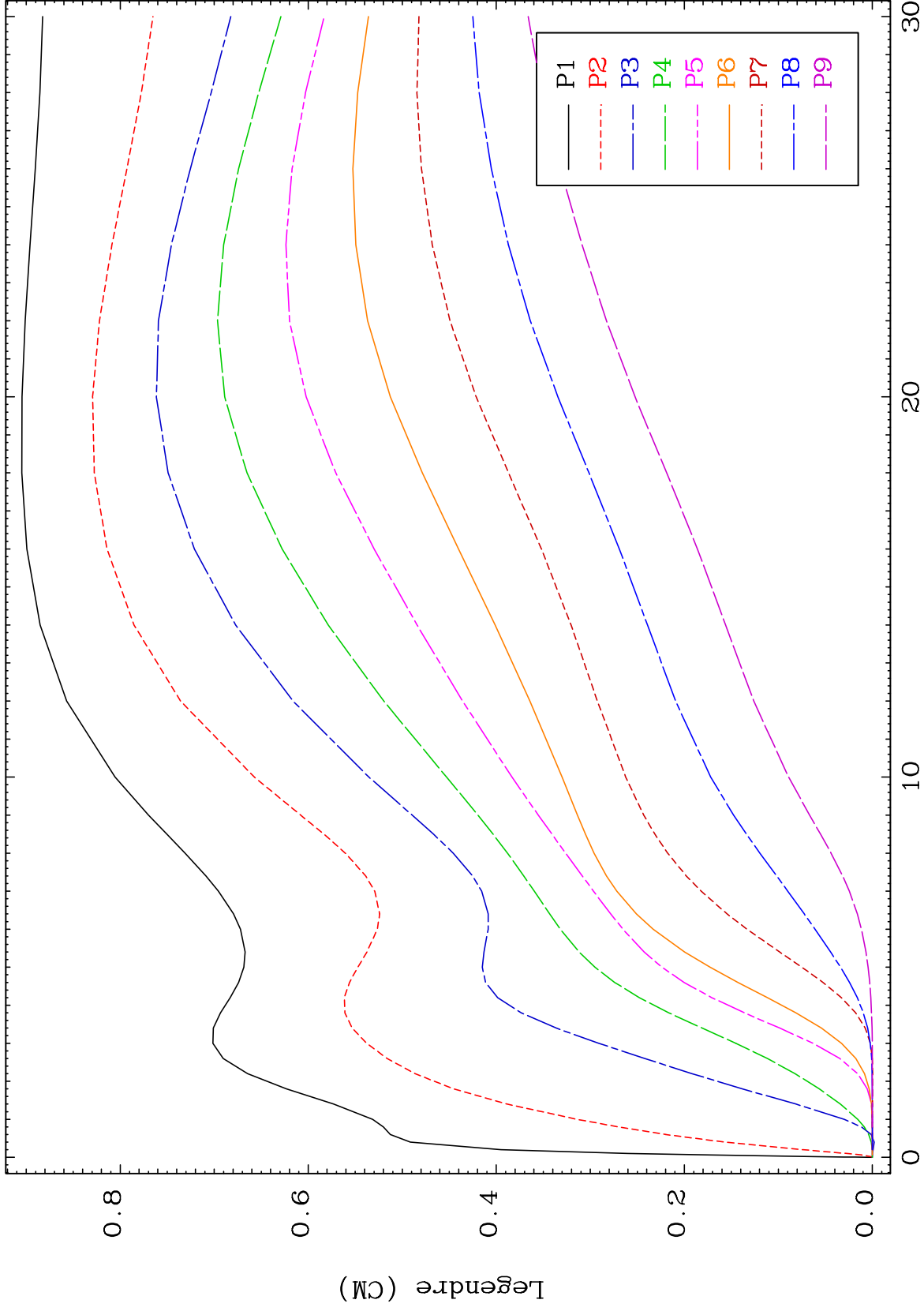




MAT 5498

Elastic Legendre Coefficients

55-Cs-124



16

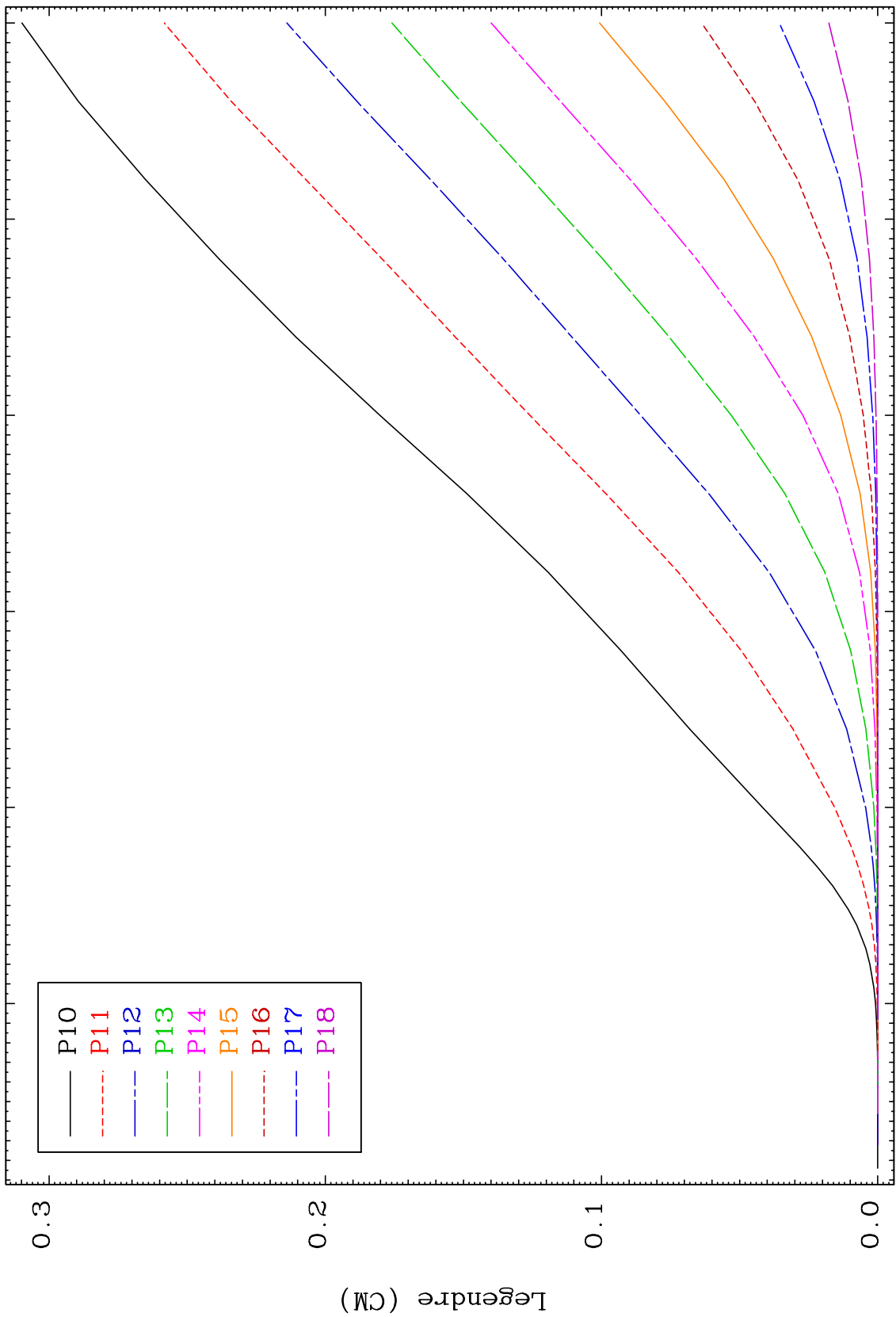
Incident Energy (MeV)

55-Cs-124

MAT 5498

Elastic Legendre Coefficients

55-Cs-124



17

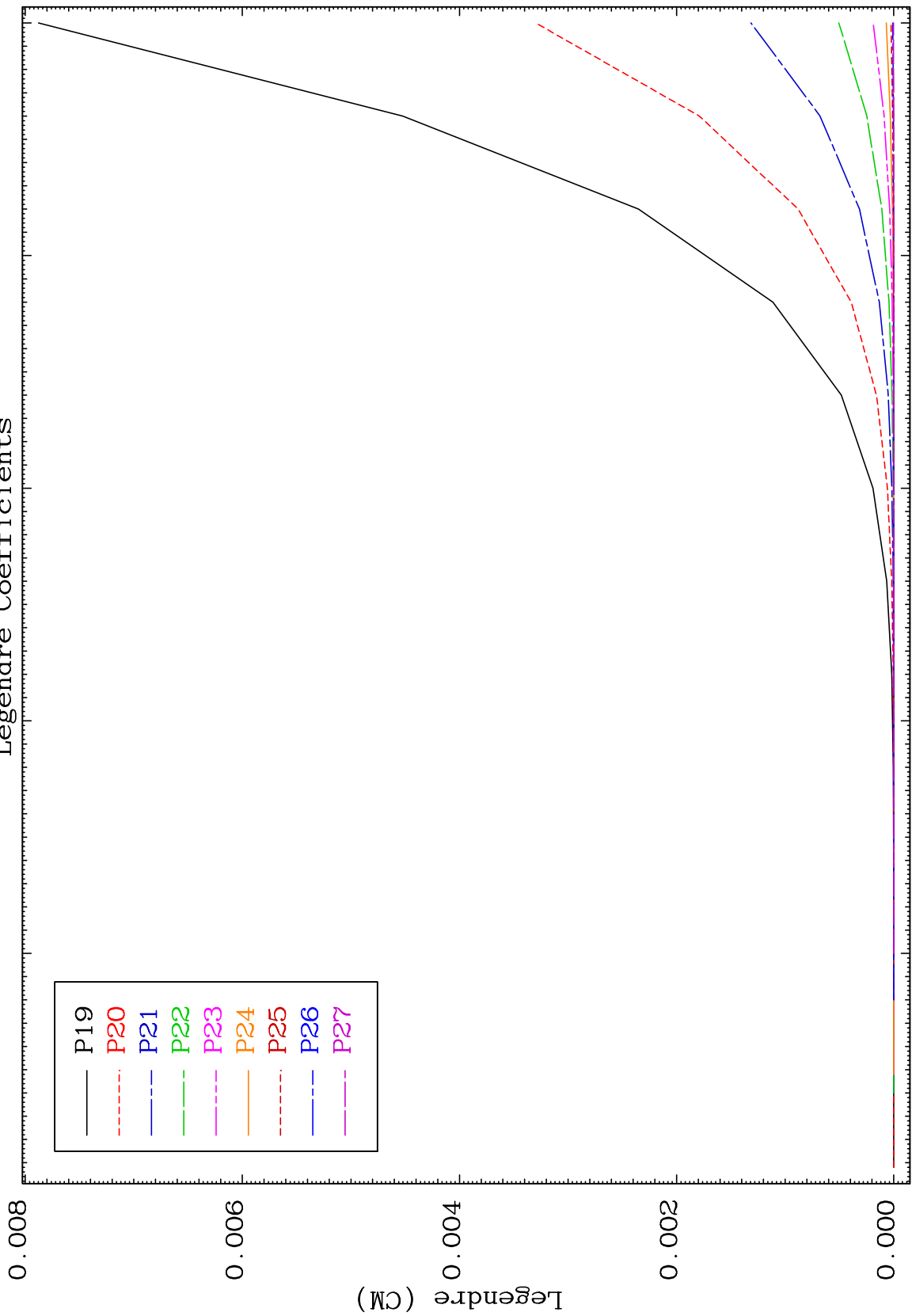
Incident Energy (MeV)

55-Cs-124

MAT 5498

Elastic Legendre Coefficients

55-Cs-124



18

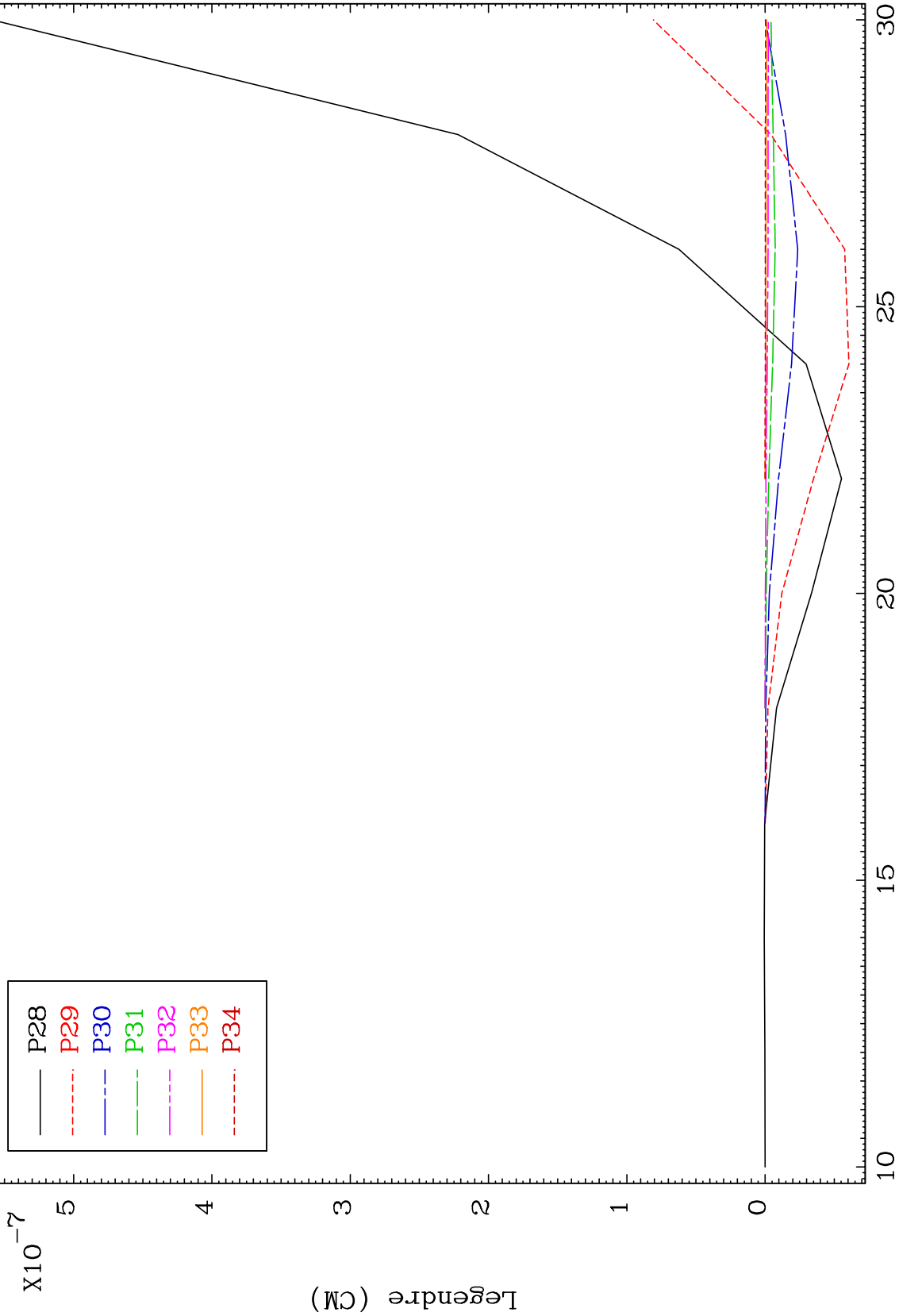
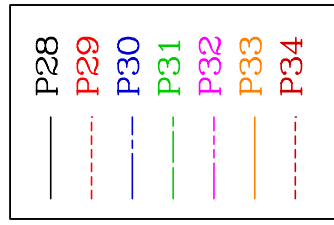
Incident Energy (MeV)

55-Cs-124

MAT 5498

Elastic Legendre Coefficients

55-Cs-124



19

Incident Energy (MeV)

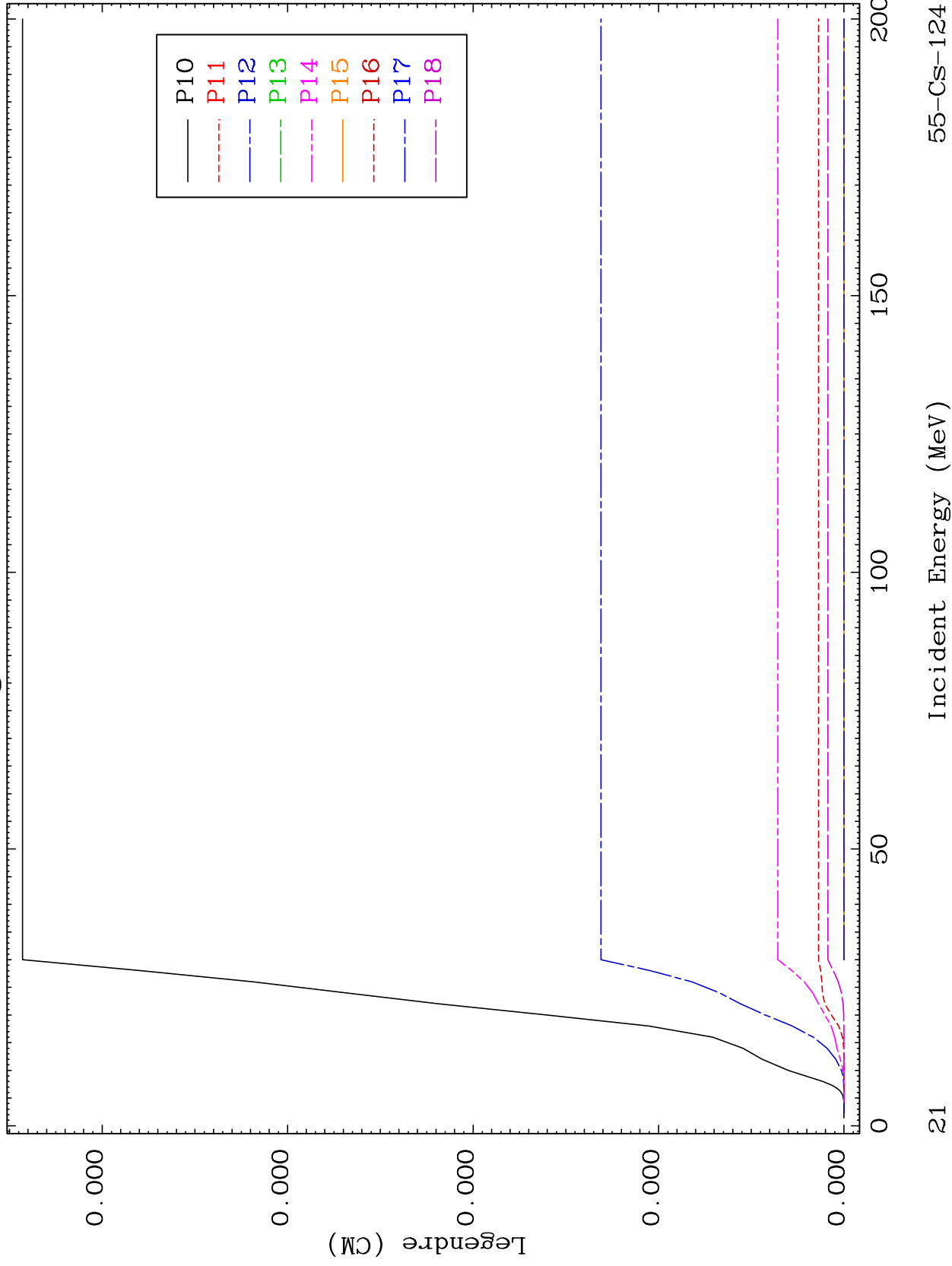
55-Cs-124



MAT 5498

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

55-Cs-124



55-Cs-124

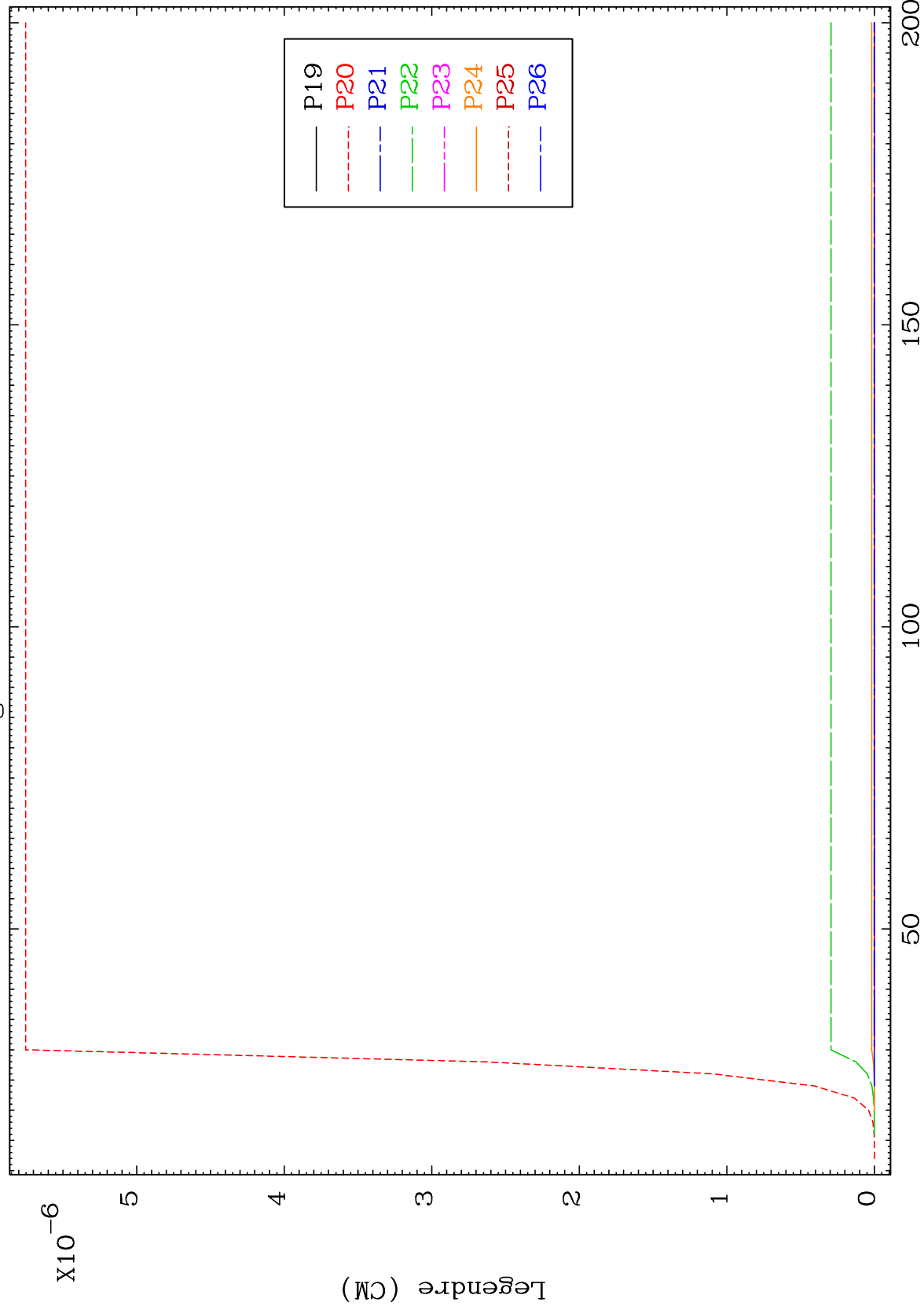
Incident Energy (MeV)

21

MAT 5498

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

55-Cs-124



55-Cs-124

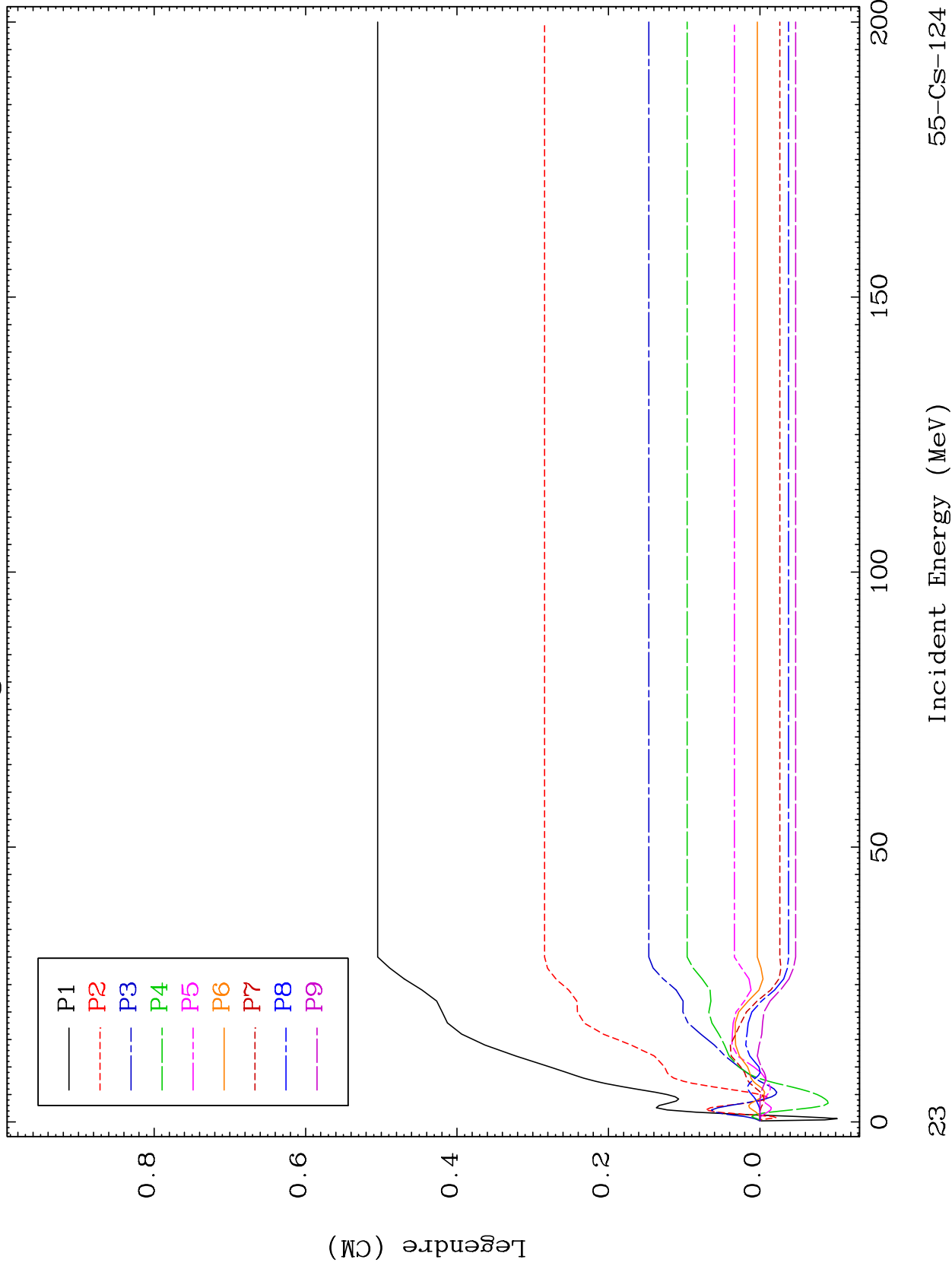
Incident Energy (MeV)

22

MAT 5498

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

55-Cs-124



55-Cs-124

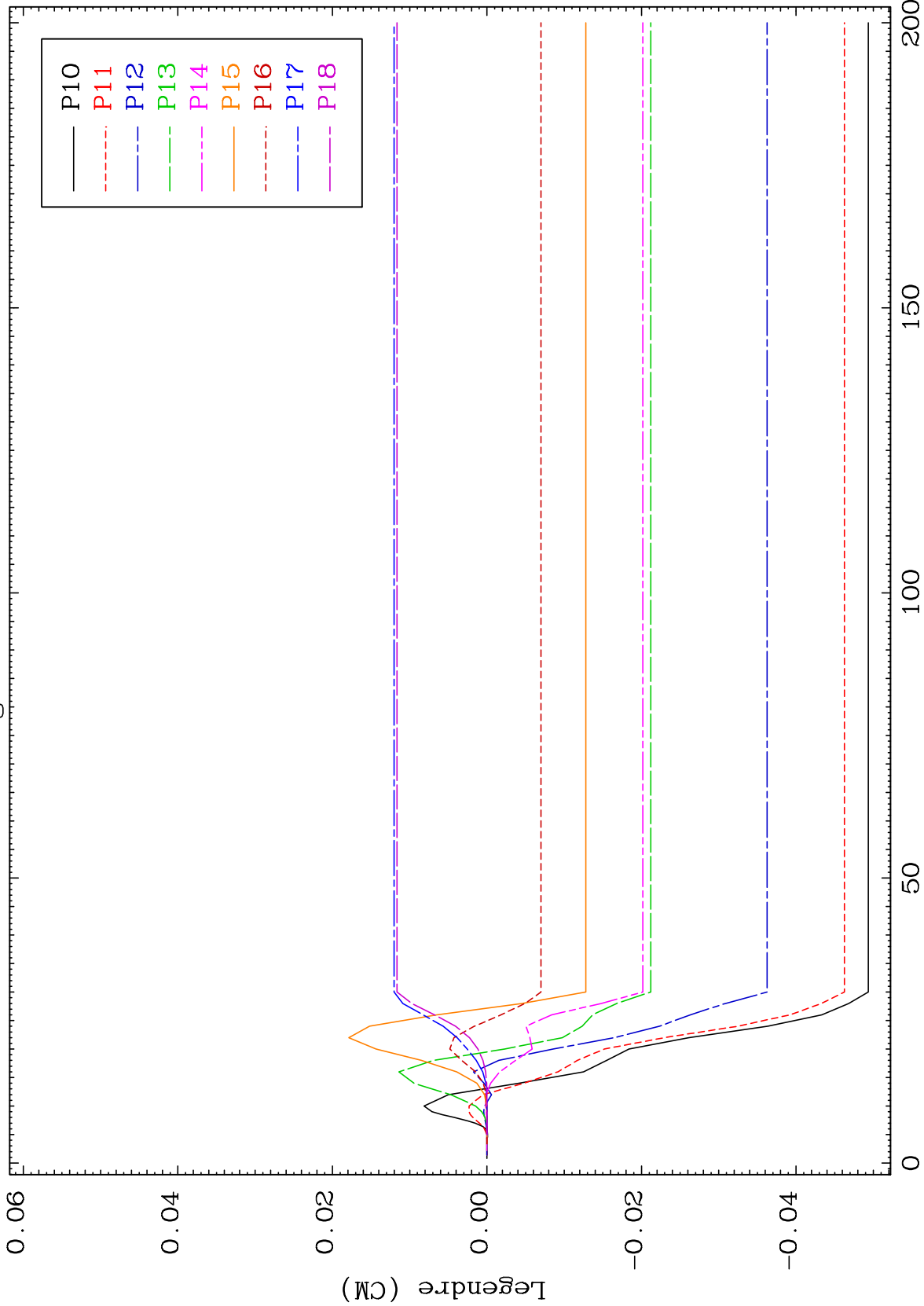
Incident Energy (MeV)

23

MAT 5498

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

55-Cs-124



24

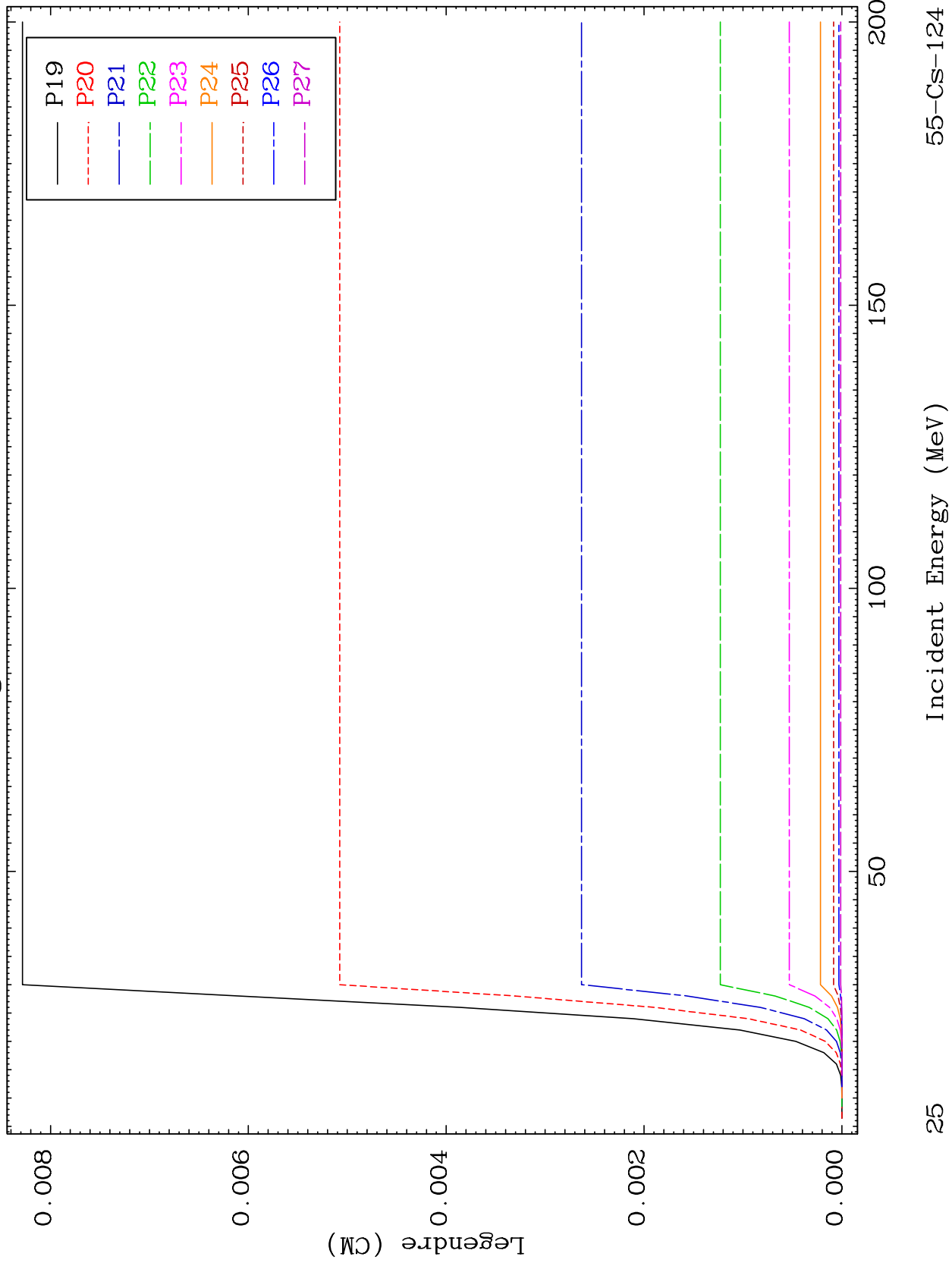
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



55-Cs-124

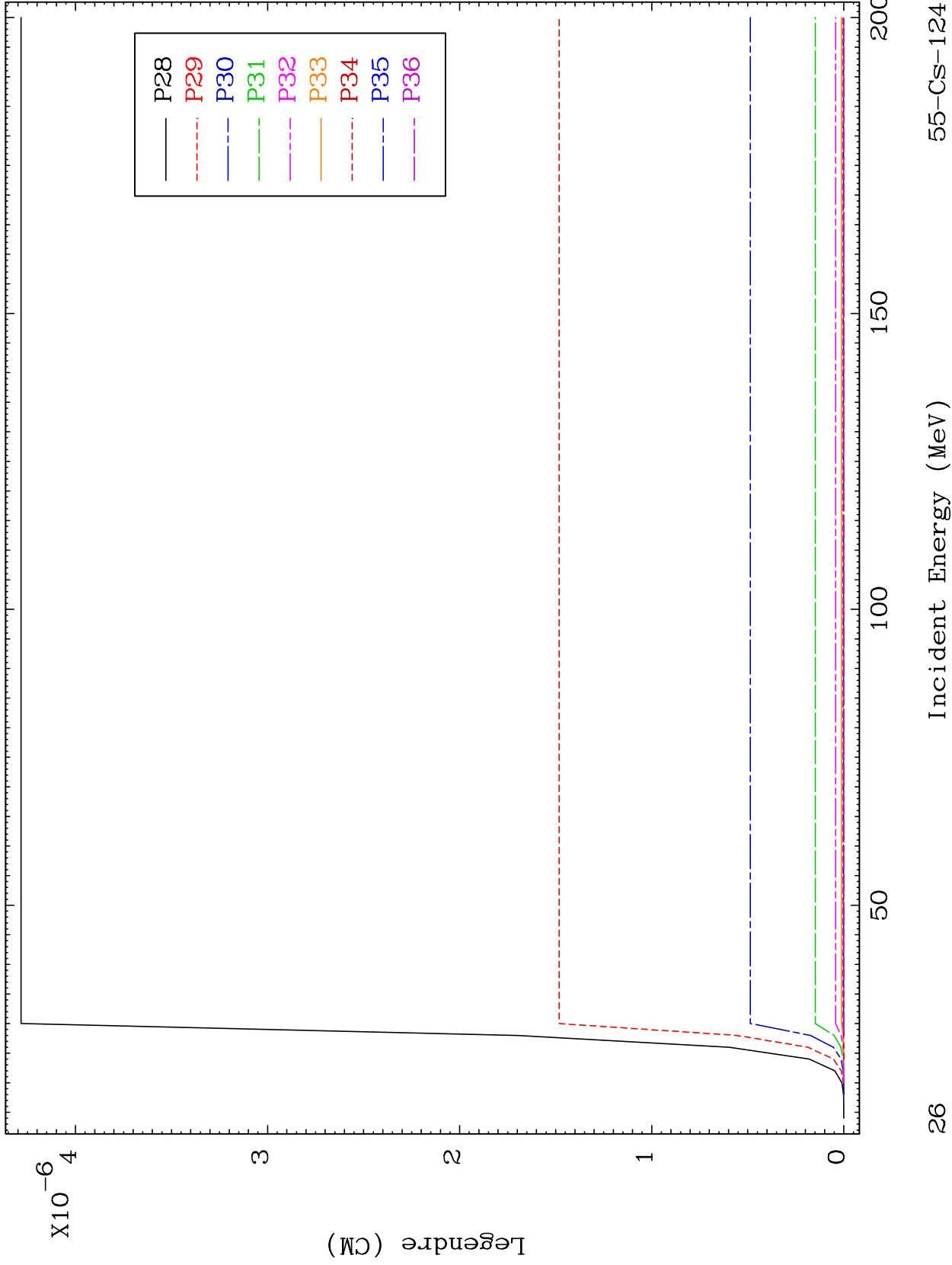
Incident Energy (MeV)

25

MAT 5498

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

55-Cs-124



26

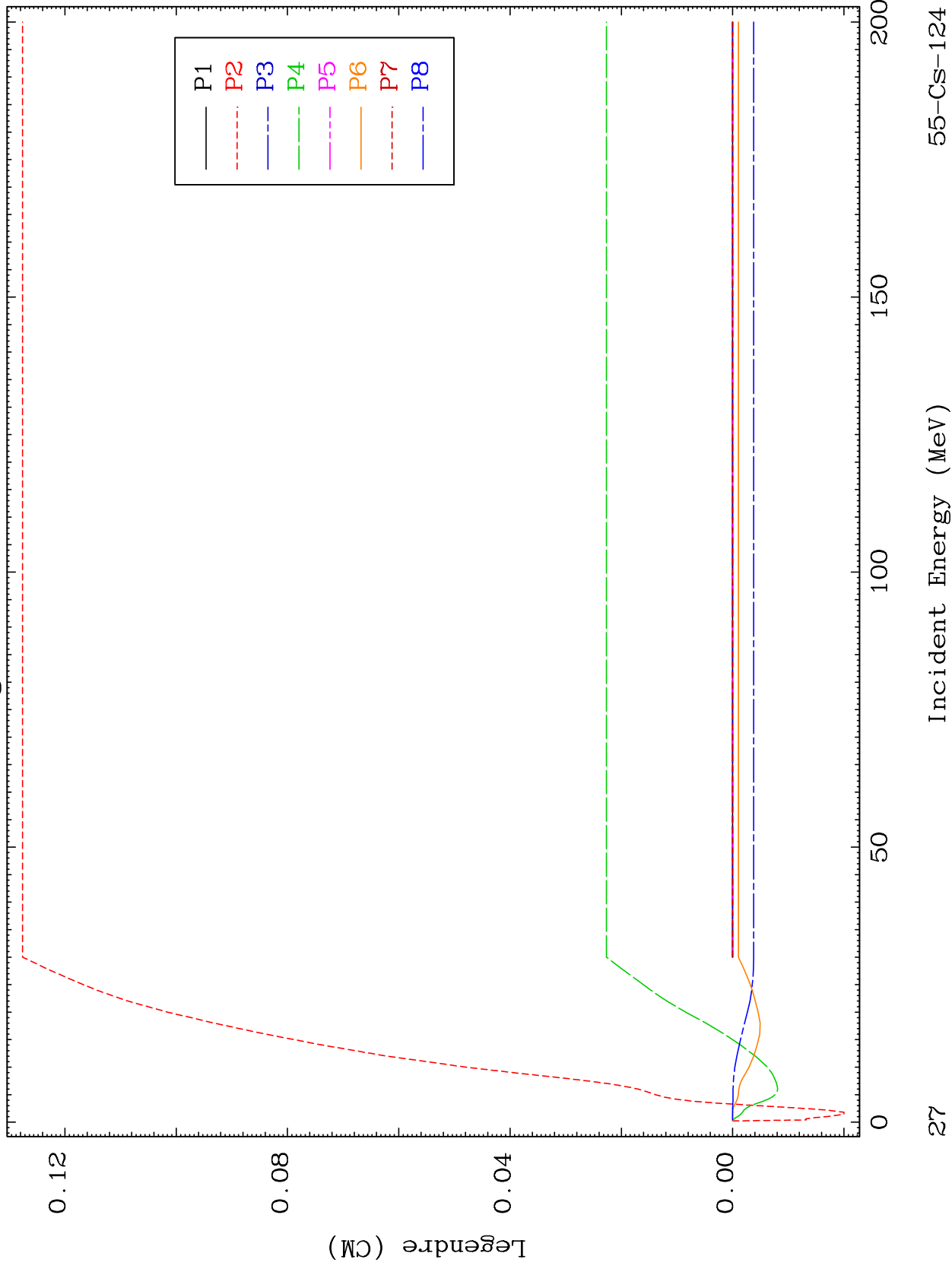
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

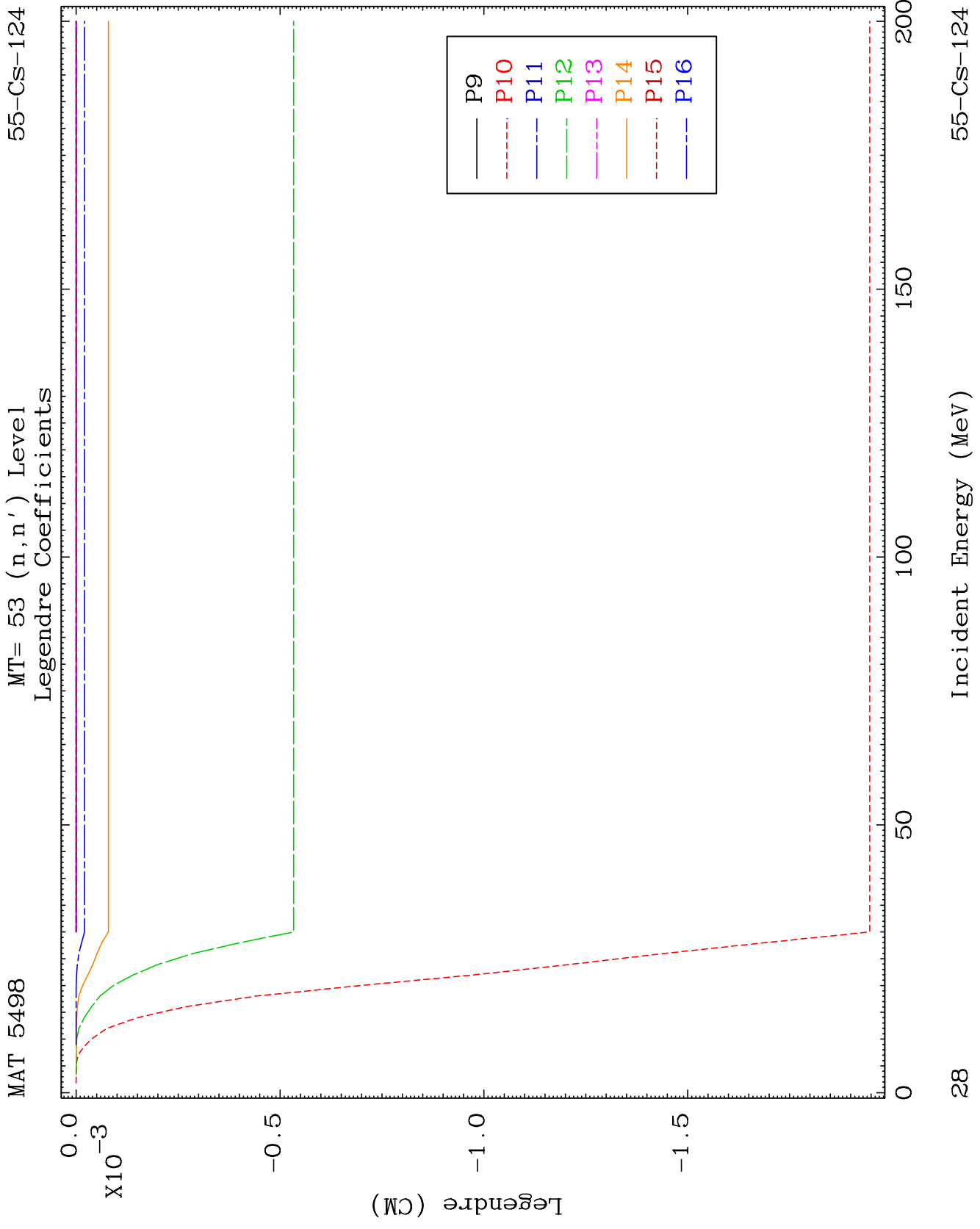
55-Cs-124



27

Incident Energy (MeV)

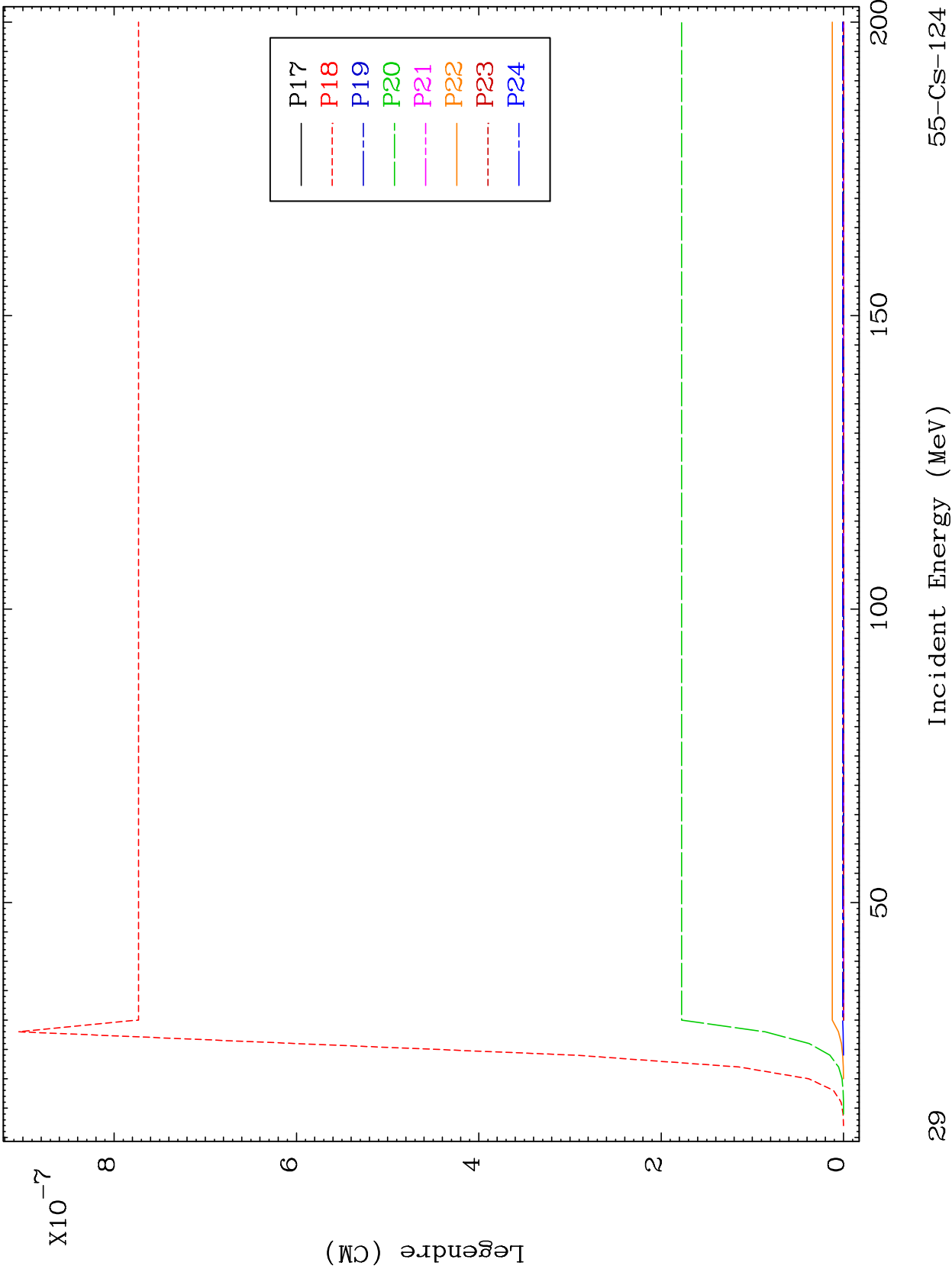
55-Cs-124



MAT 5498

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

55-Cs-124

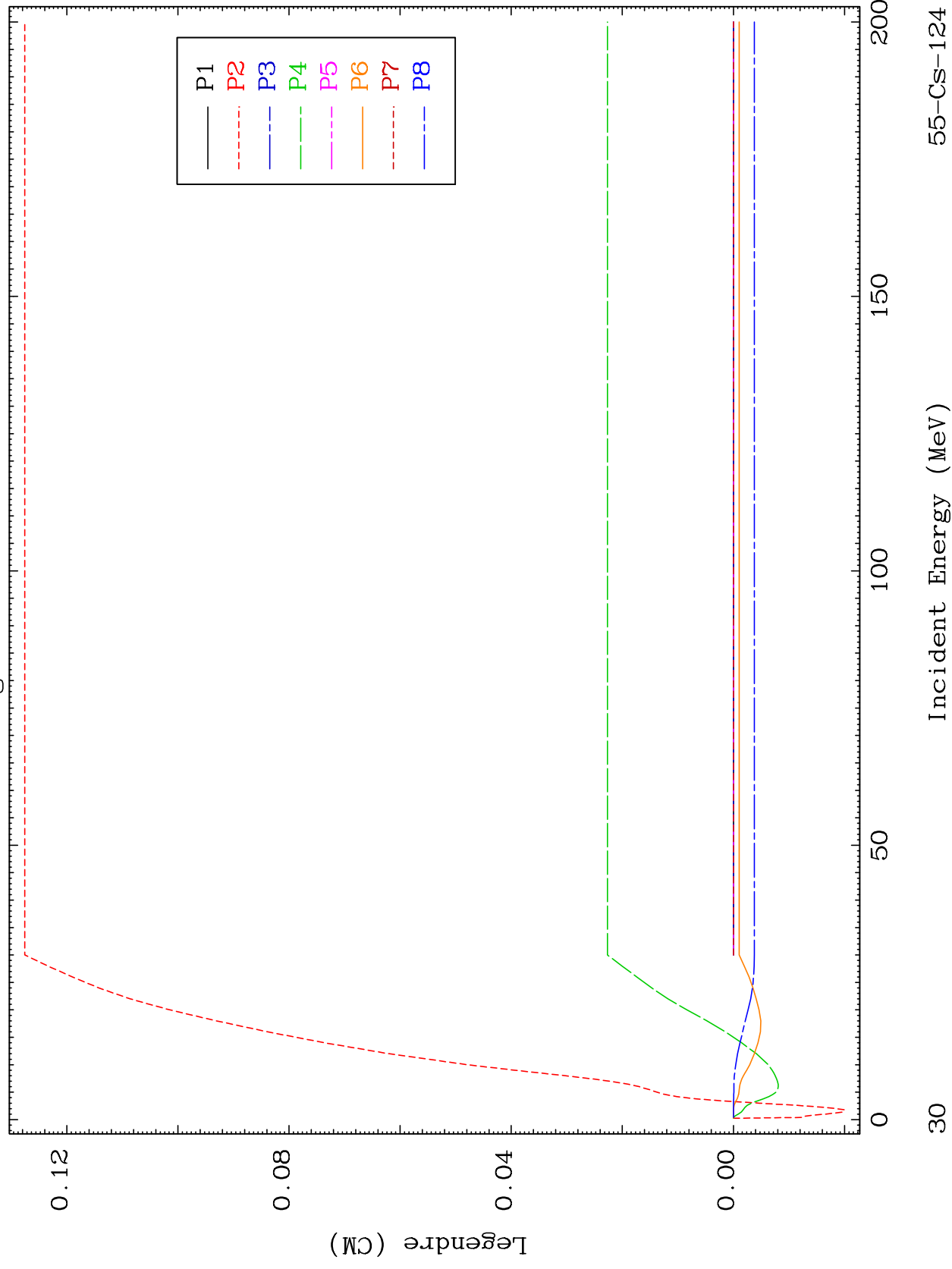


29

MAT 5498

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

55-Cs-124

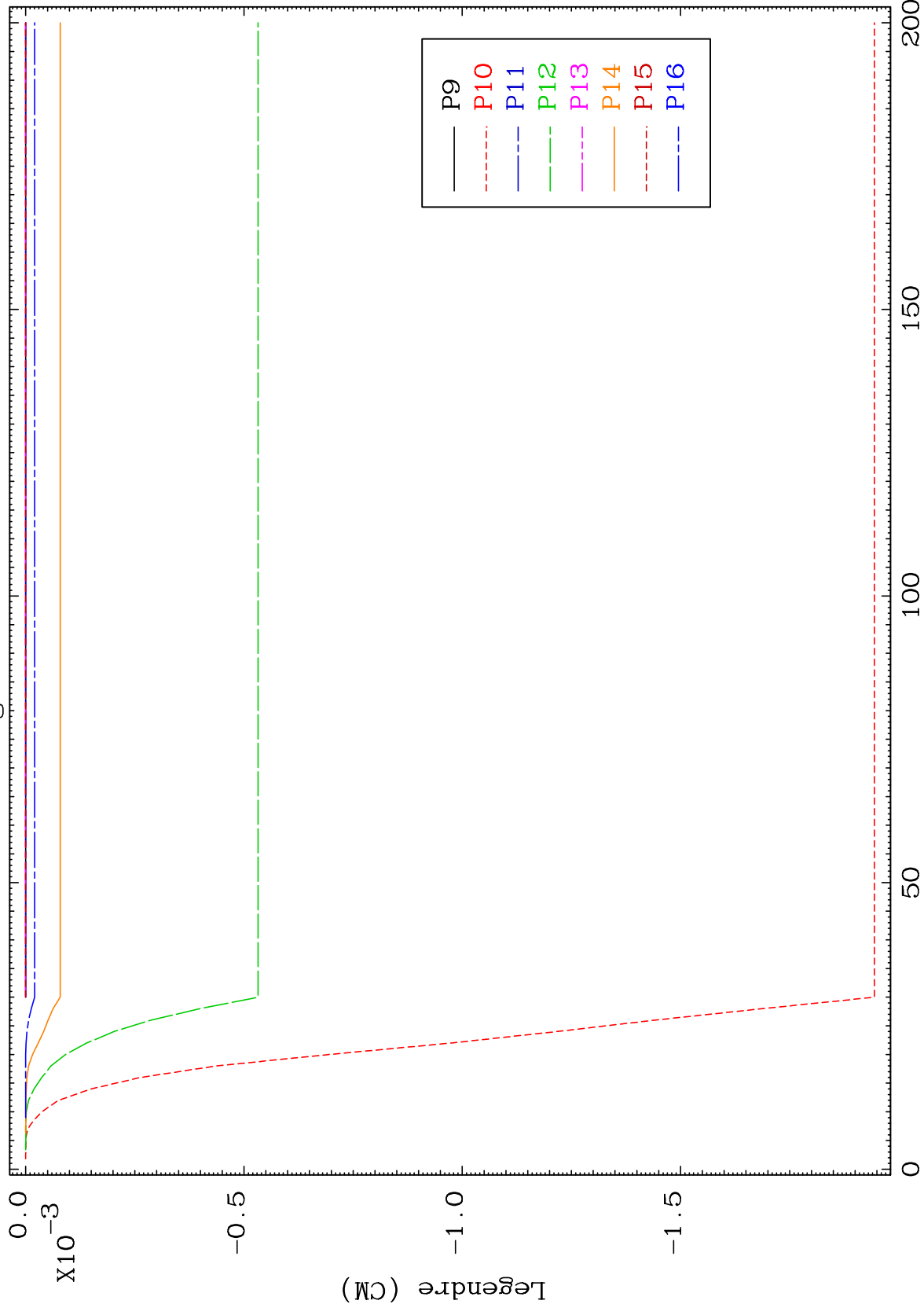


55-Cs-124

MAT 5498

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

55-Cs-124



31

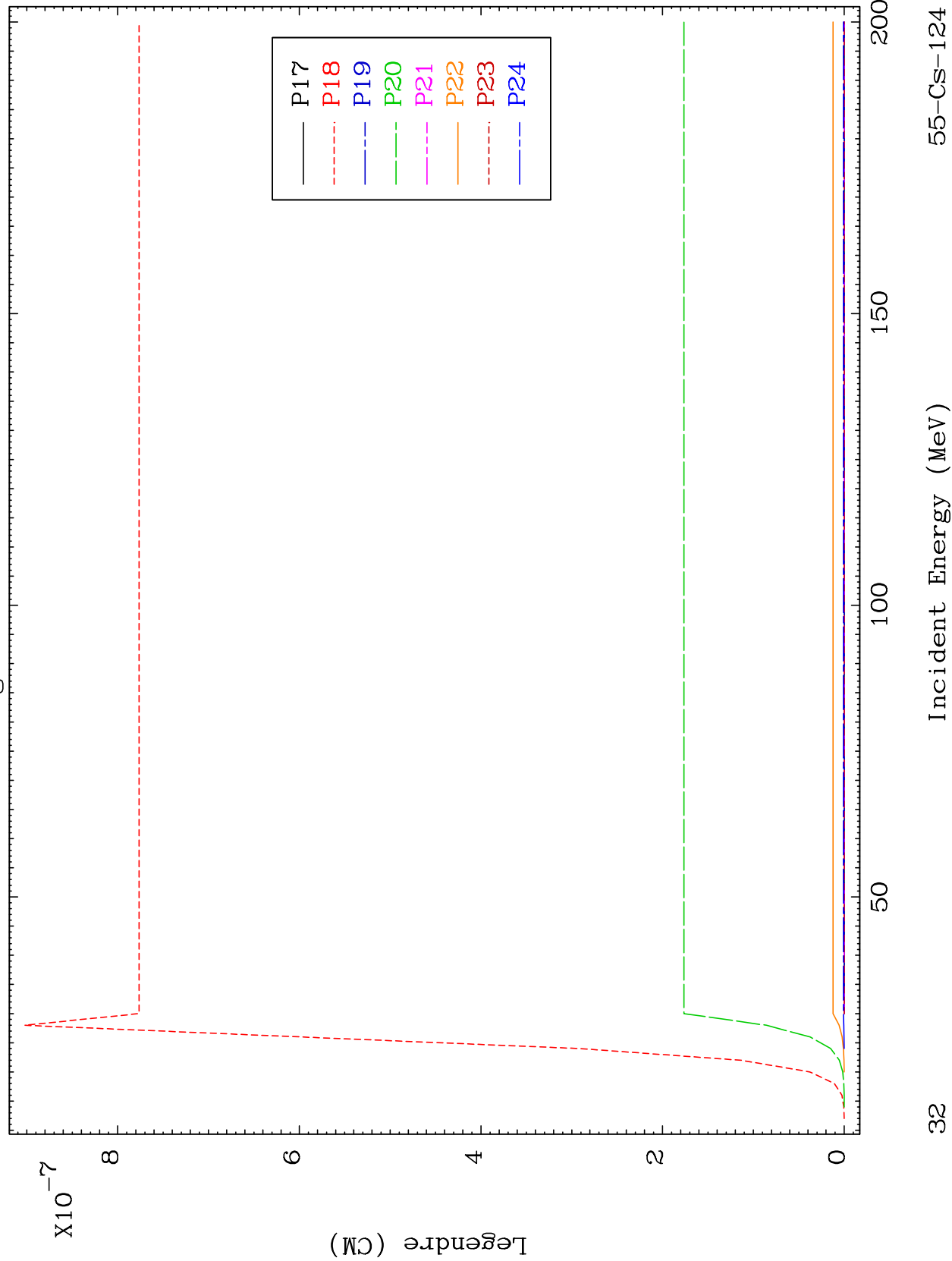
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

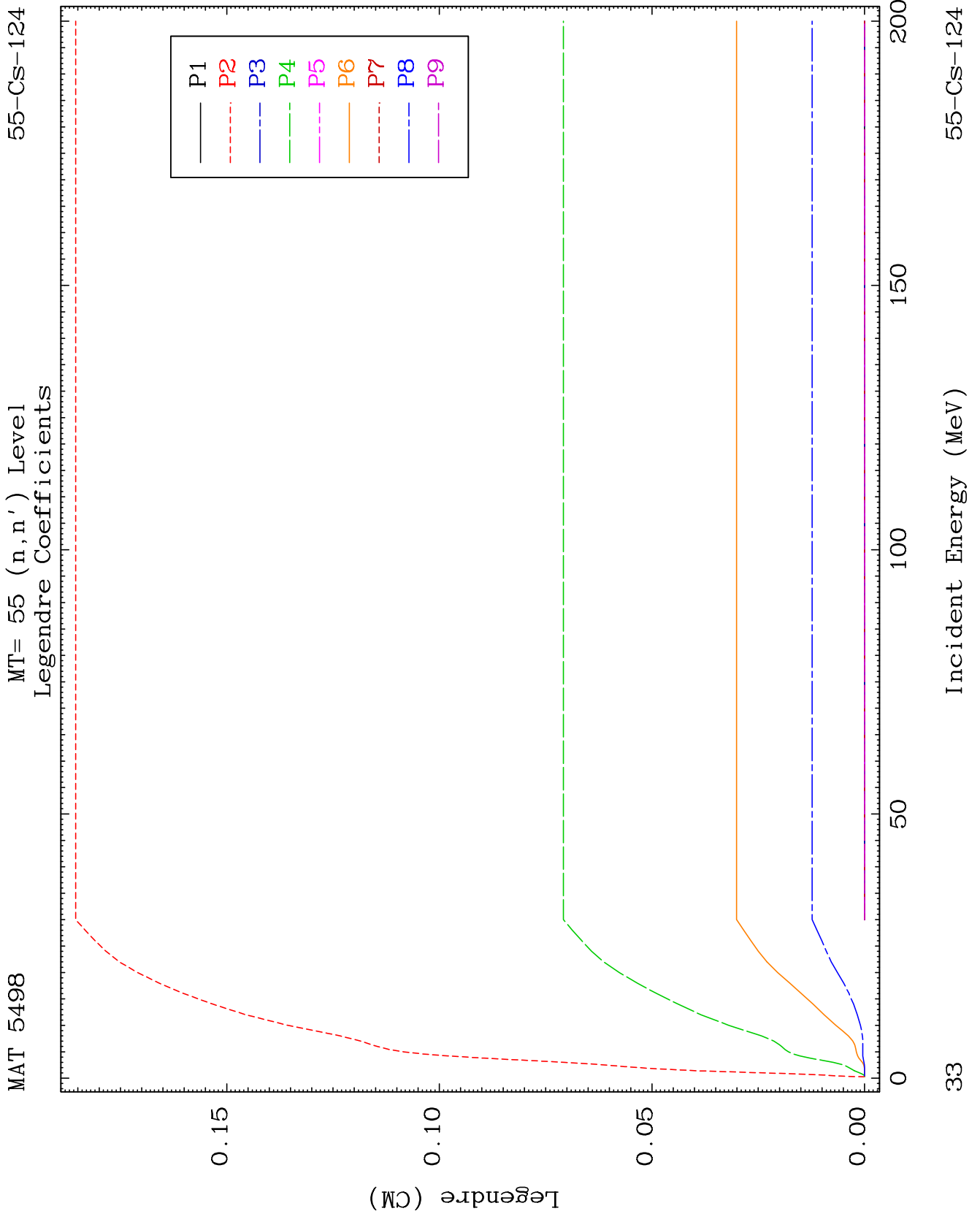
55-Cs-124



32

Incident Energy (MeV)

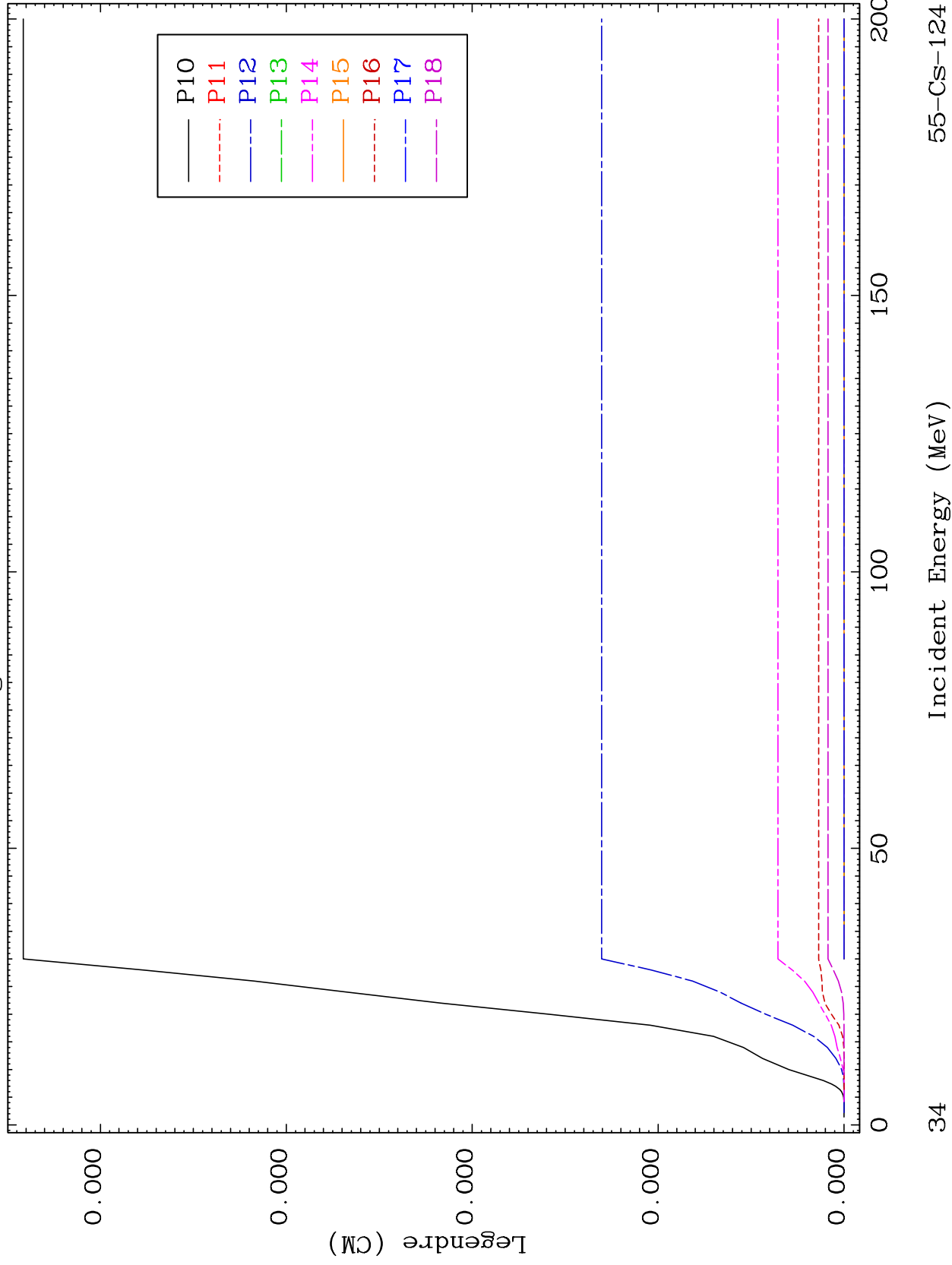
55-Cs-124



MAT 5498

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

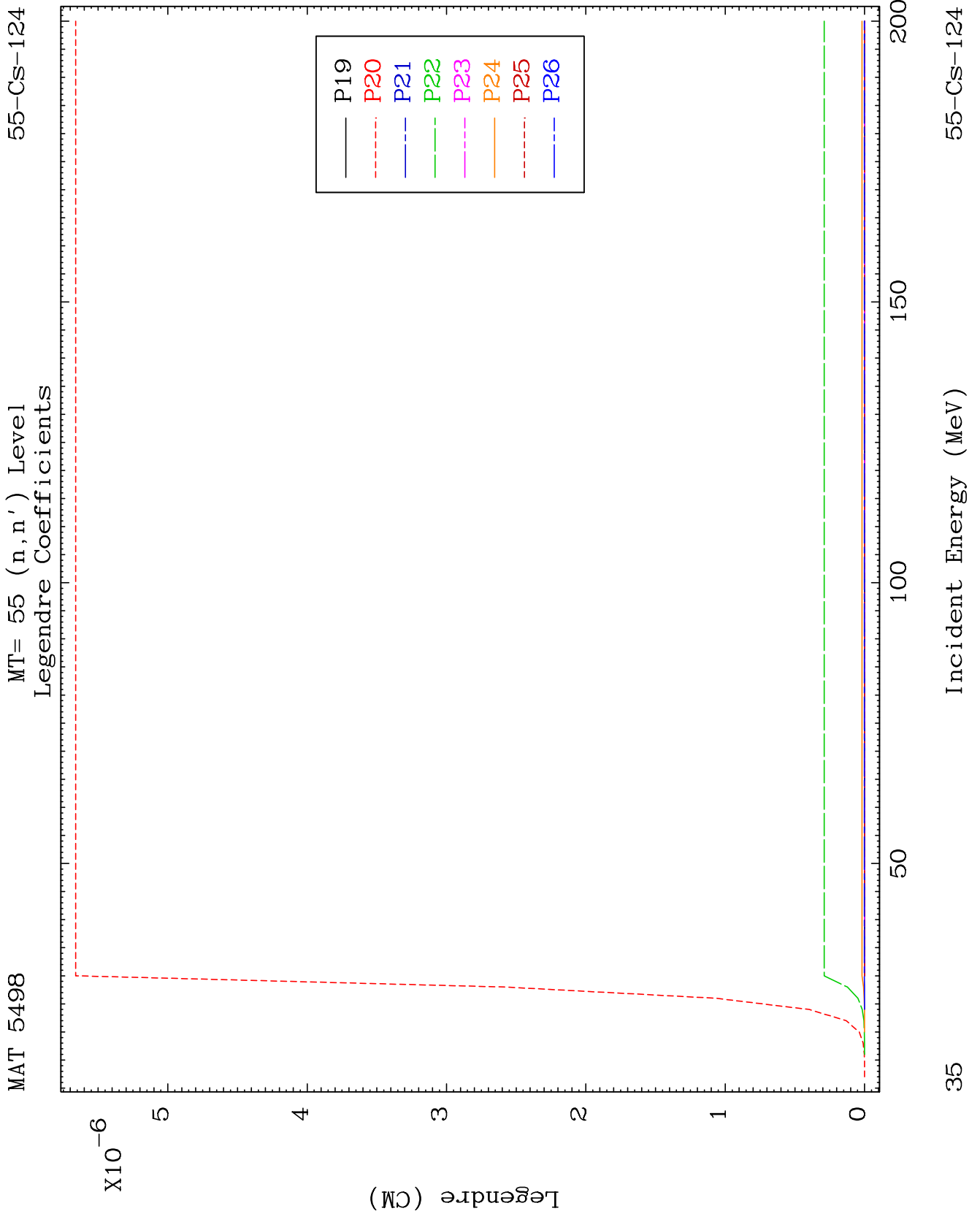
55-Cs-124



34

Incident Energy (MeV)

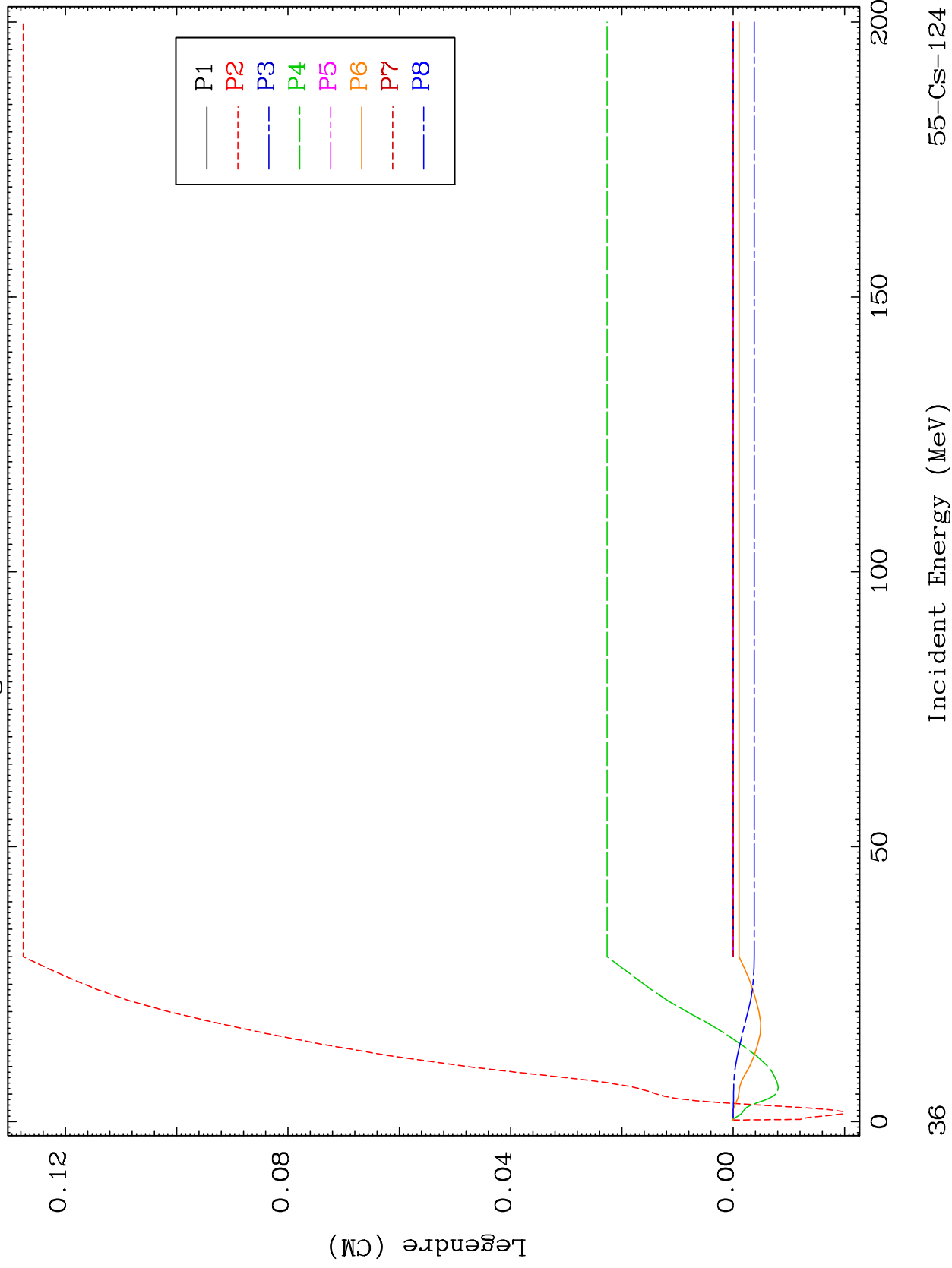
55-Cs-124



MAT 5498

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

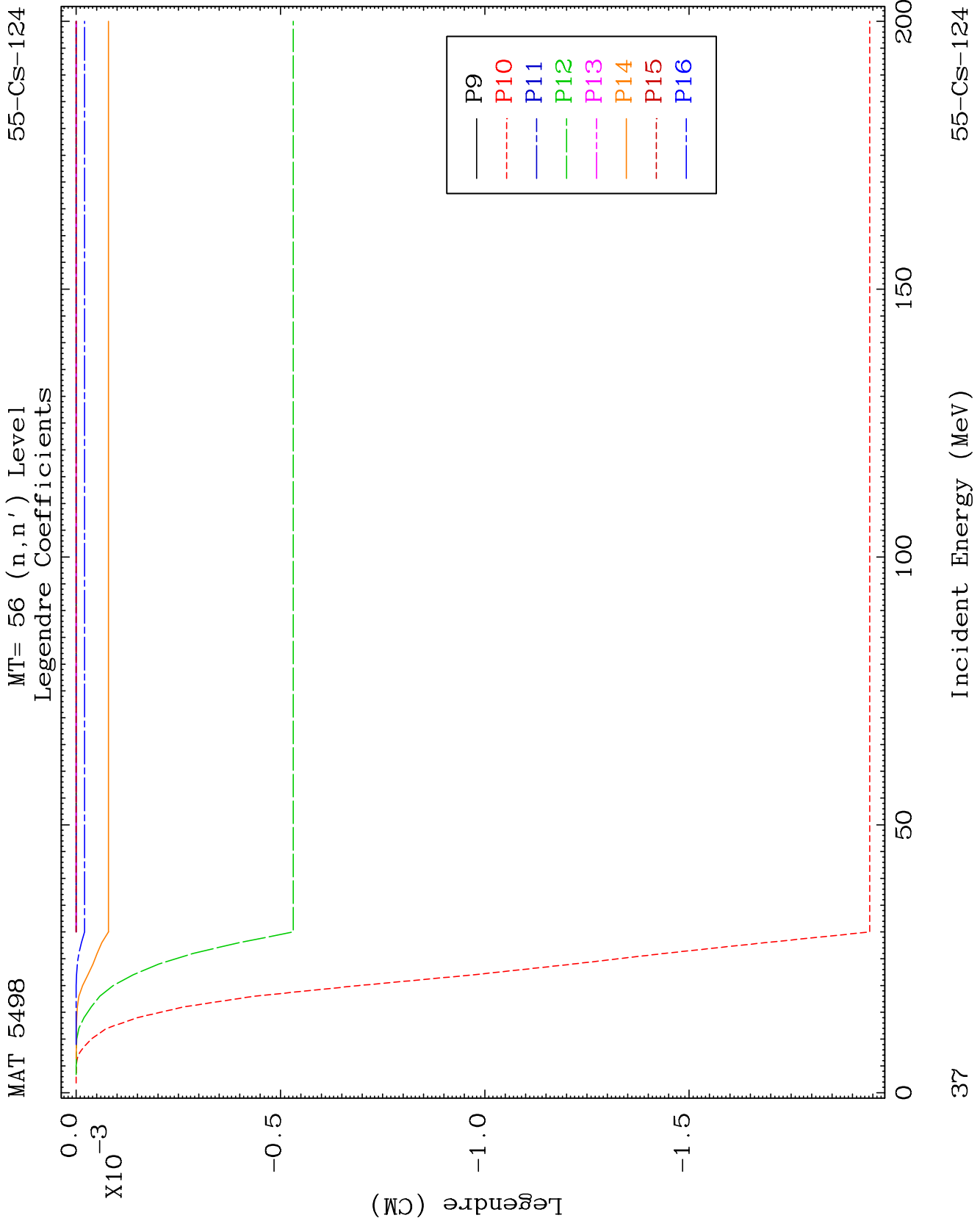
55-Cs-124



55-Cs-124

Incident Energy (MeV)

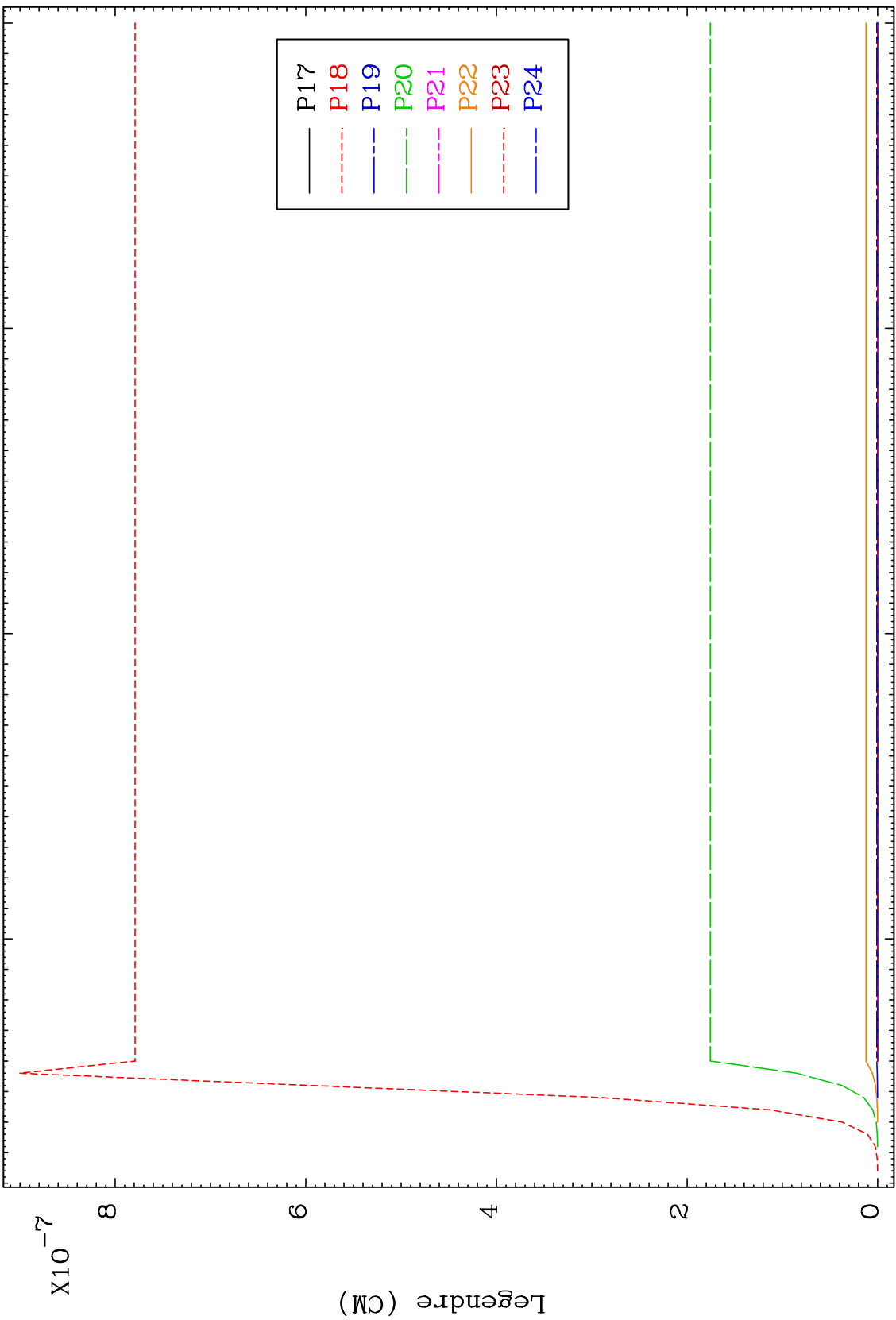
36



MAT 5498

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

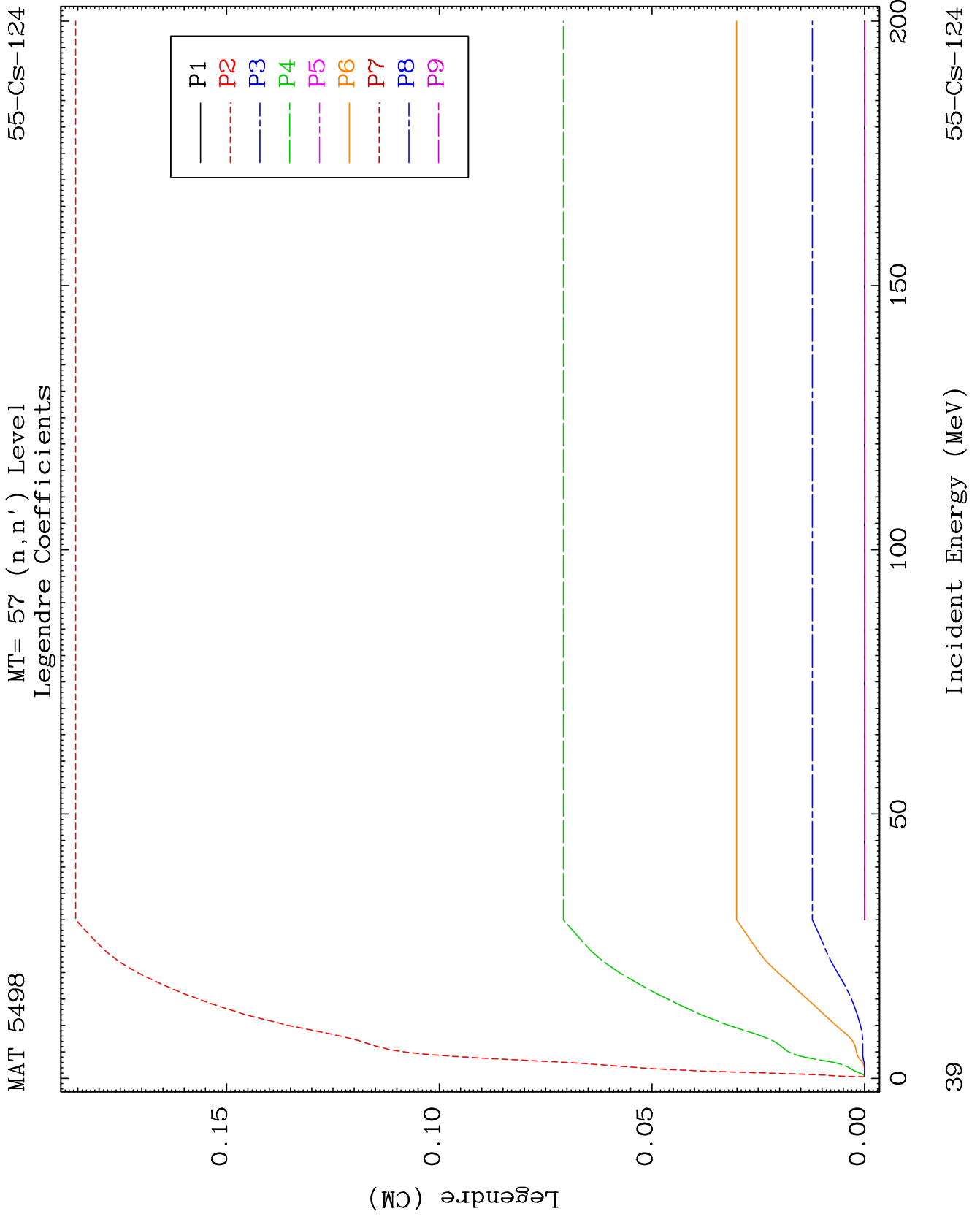
55-Cs-124



38

Incident Energy (MeV)

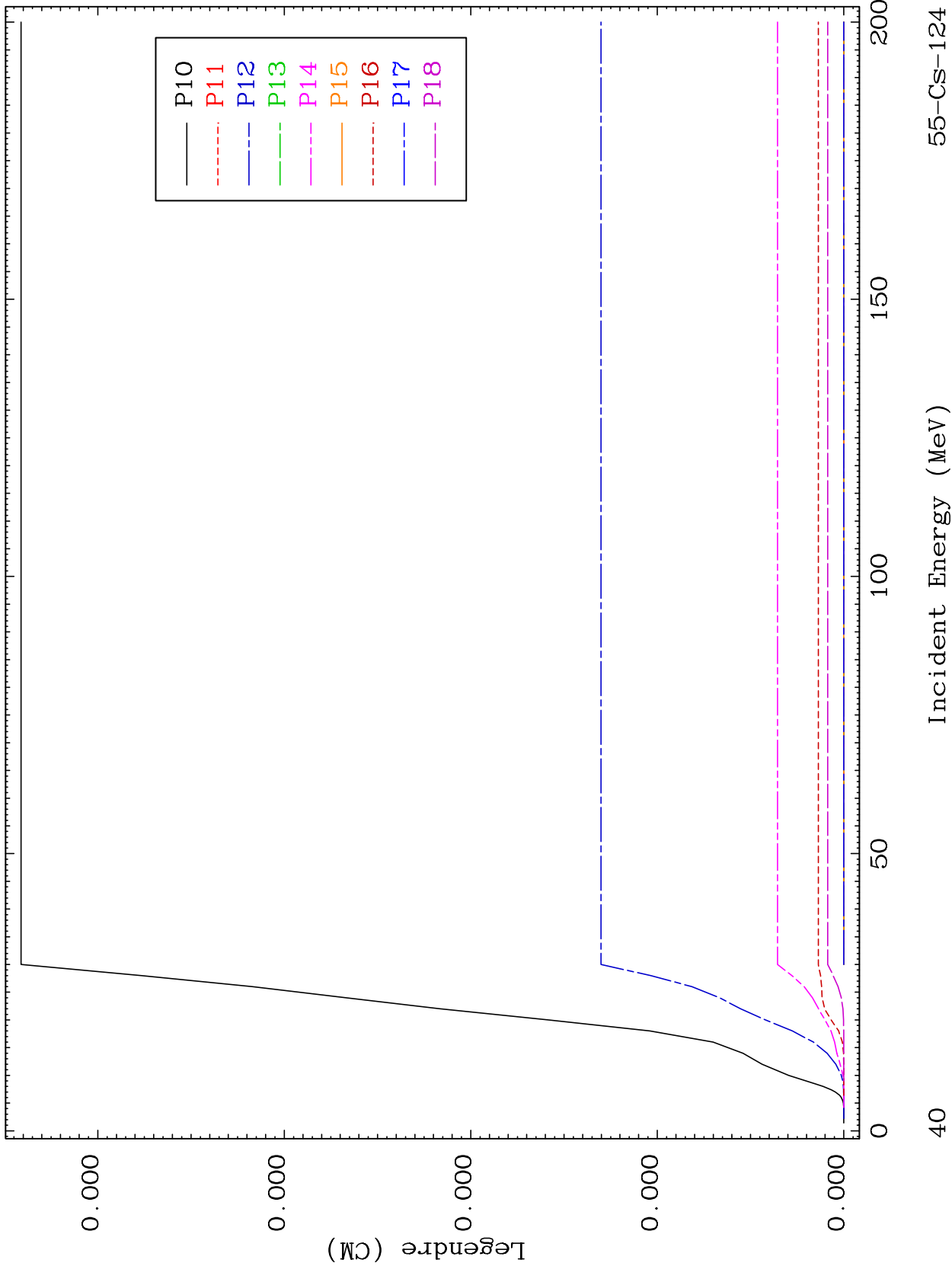
55-Cs-124



MAT 5498

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

55-Cs-124



55-Cs-124

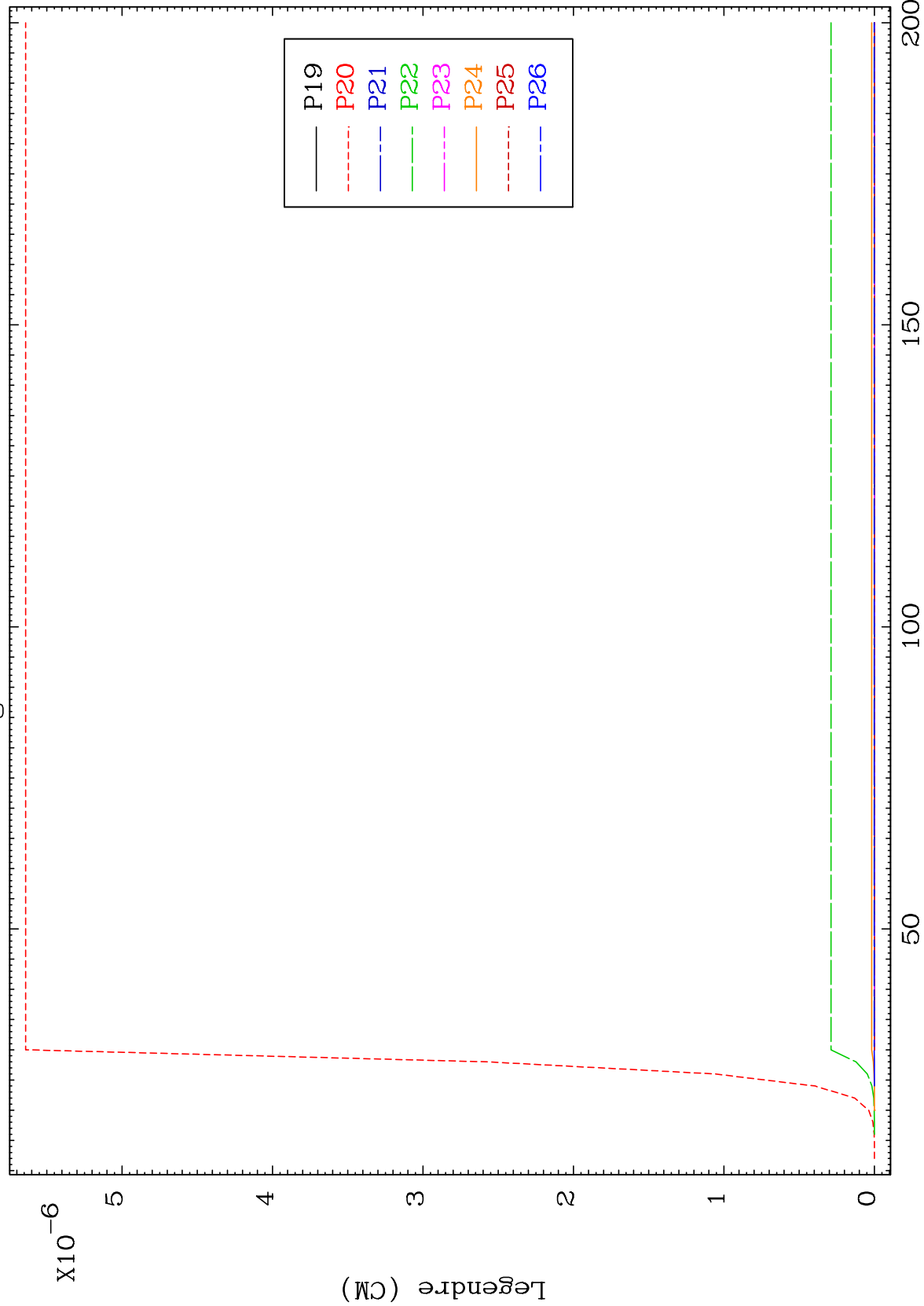
Incident Energy (MeV)

40

MAT 5498

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

55-Cs-124



55-Cs-124

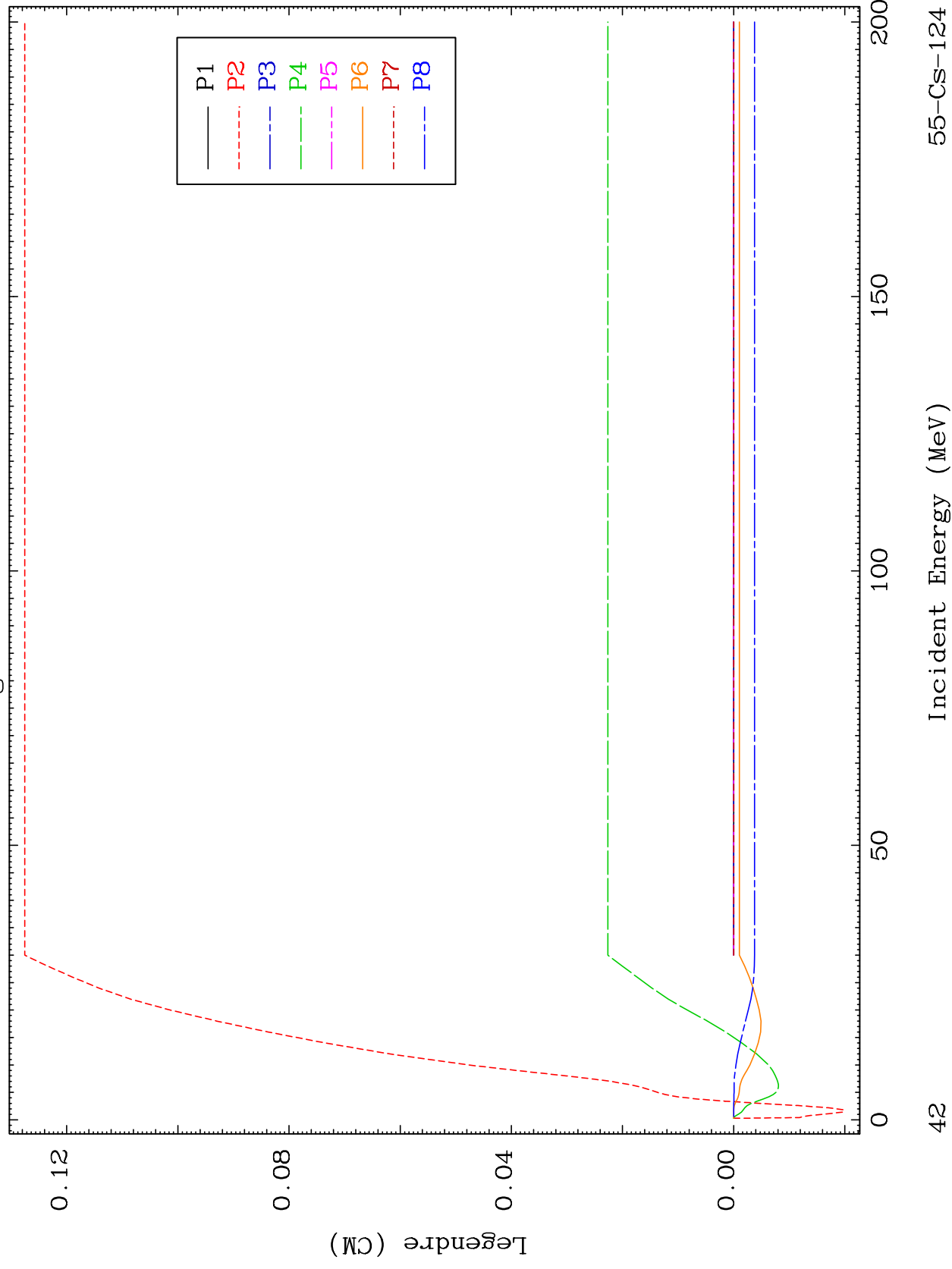
Incident Energy (MeV)

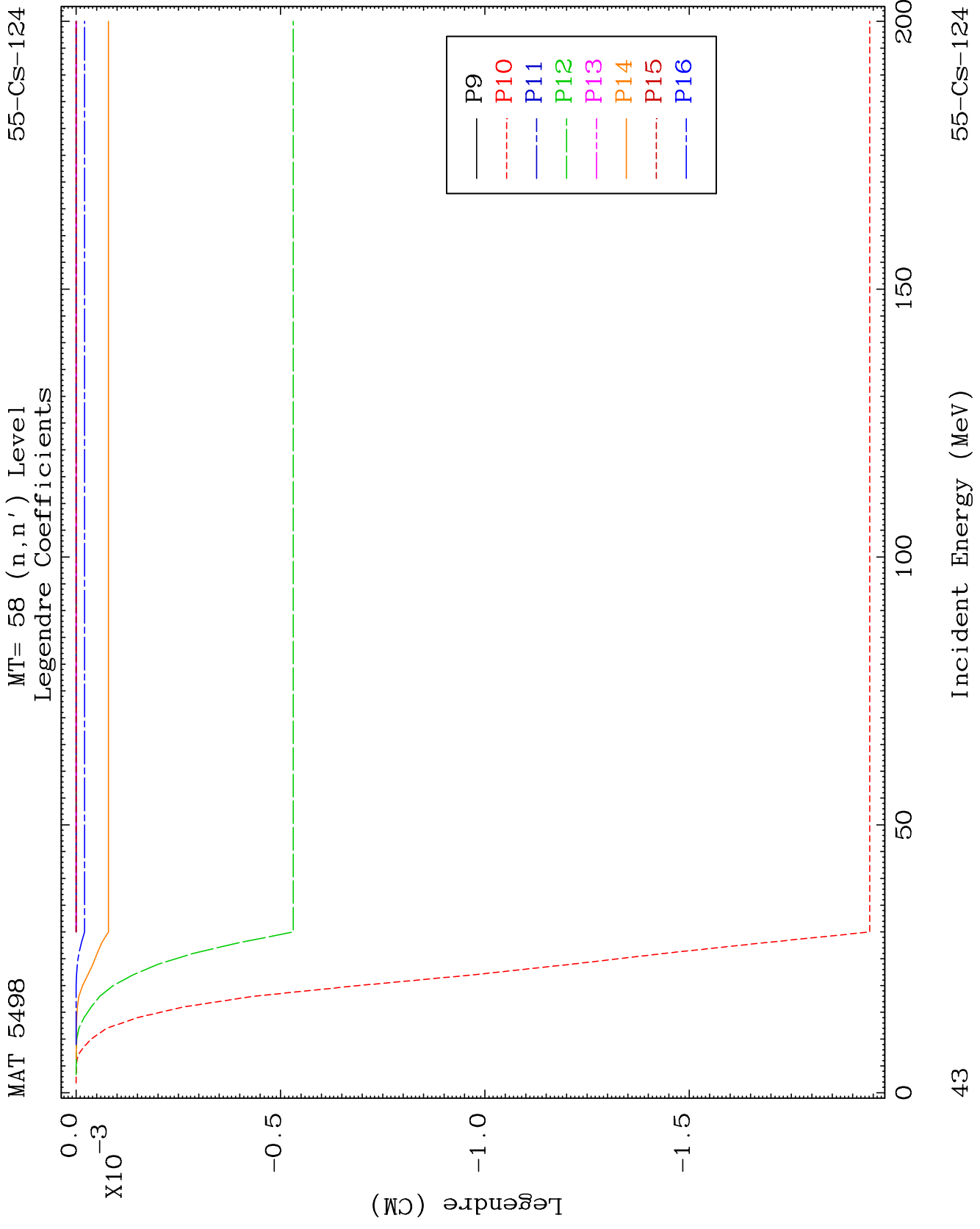
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MAT 5498

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

55-Cs-124

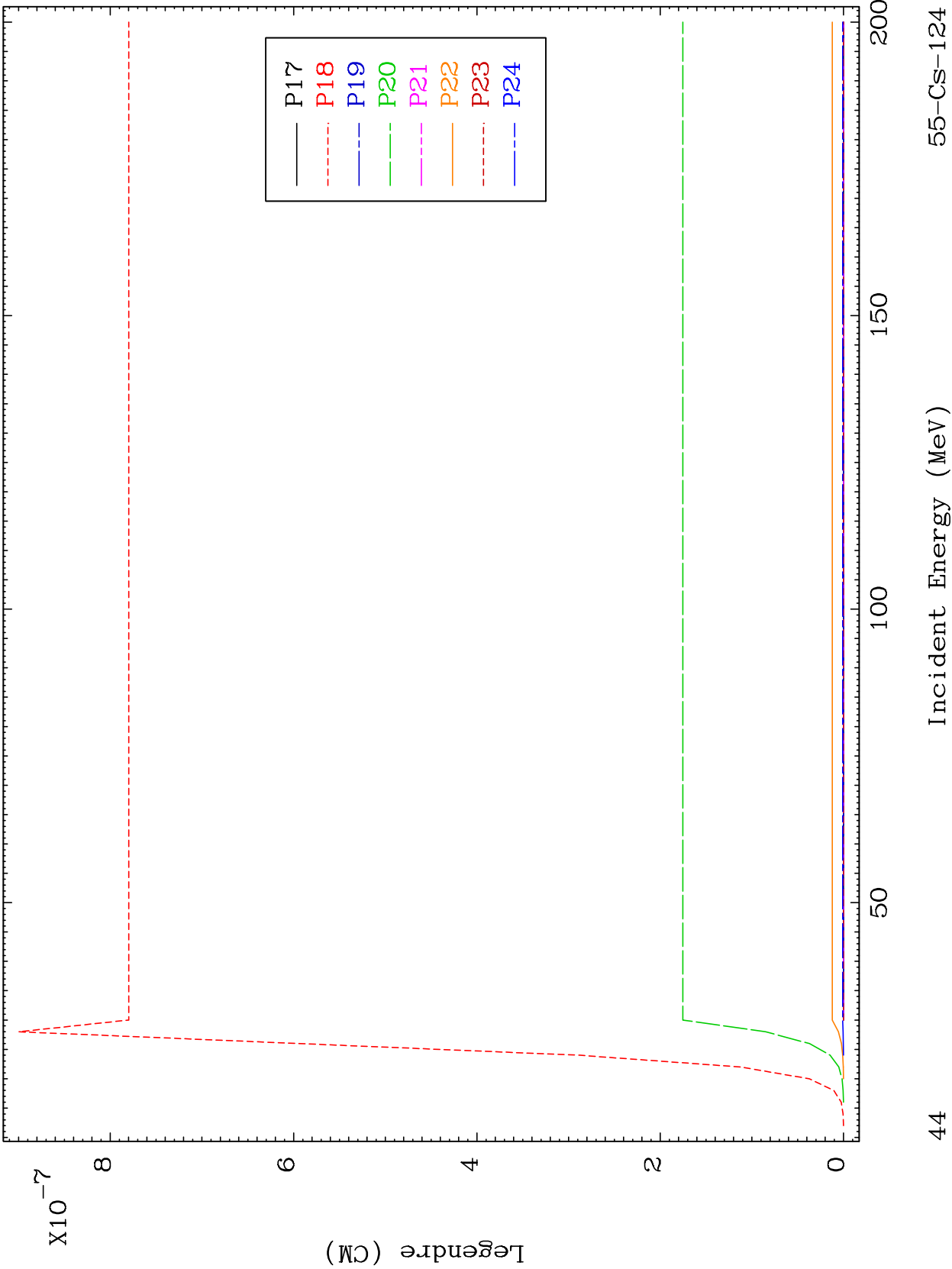




MAT 5498

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

55-Cs-124



44

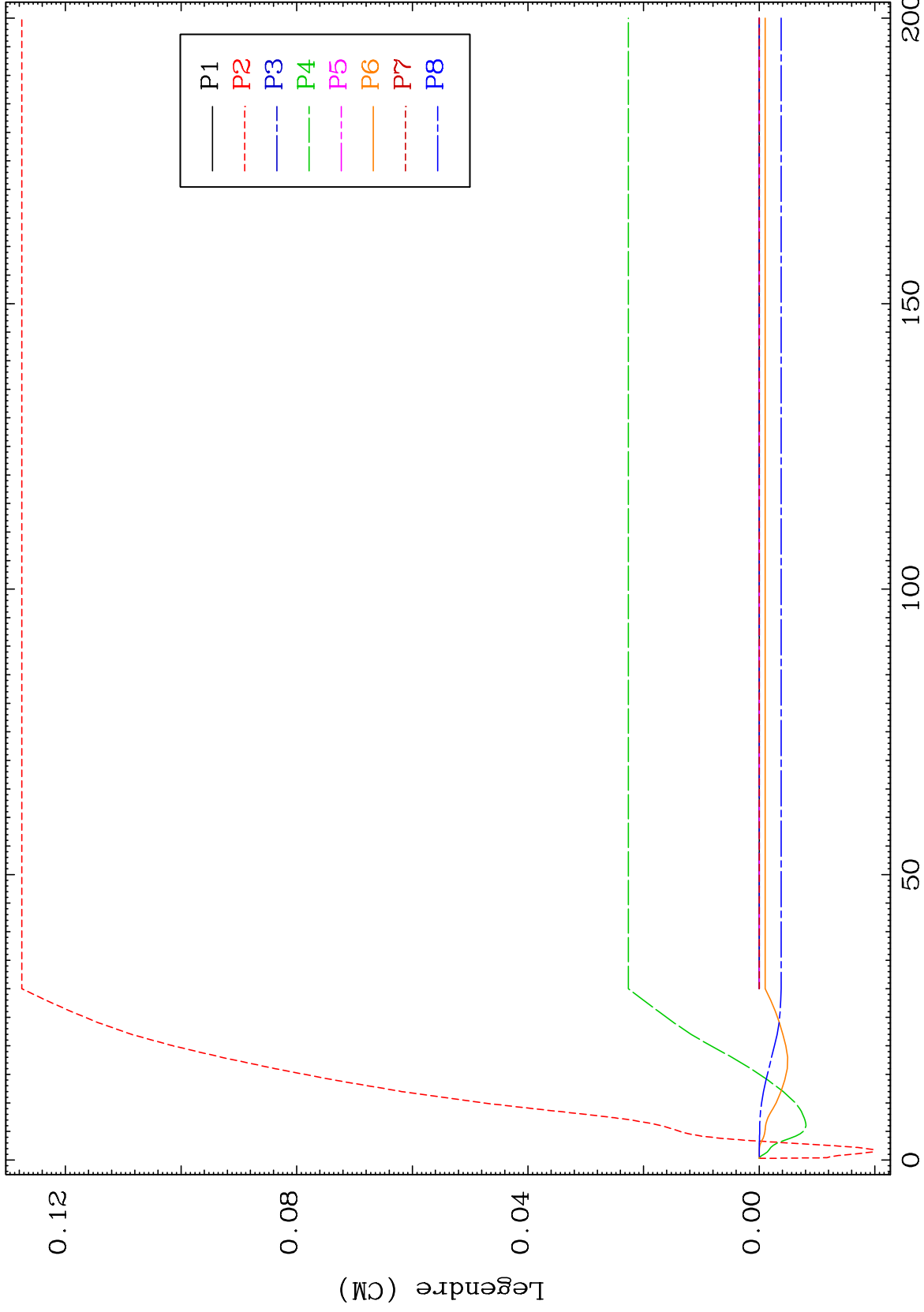
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



55-Cs-124

Incident Energy (MeV)

45

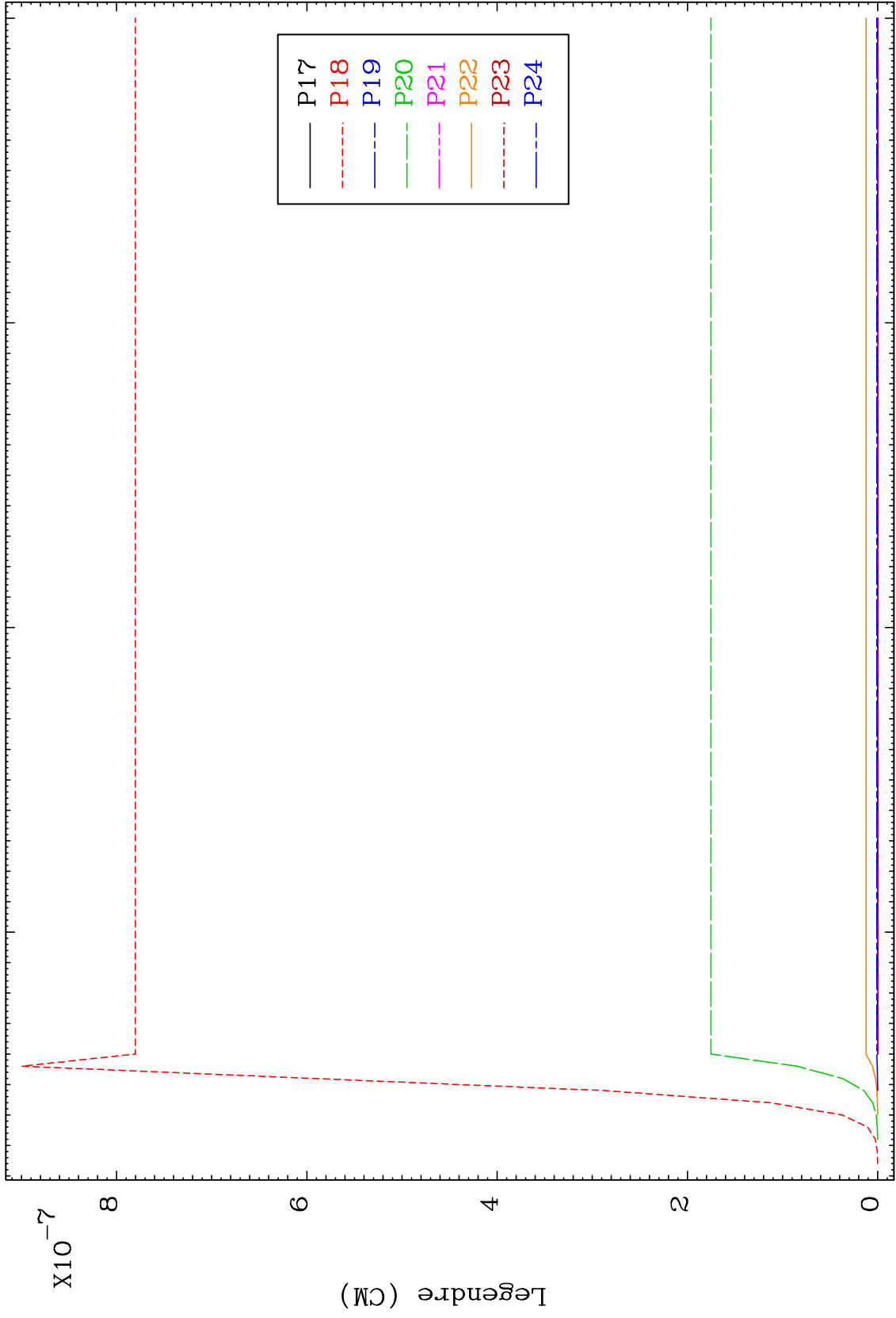


MAT 5498

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

55-Cs-124

$\times 10^{-7}$



47

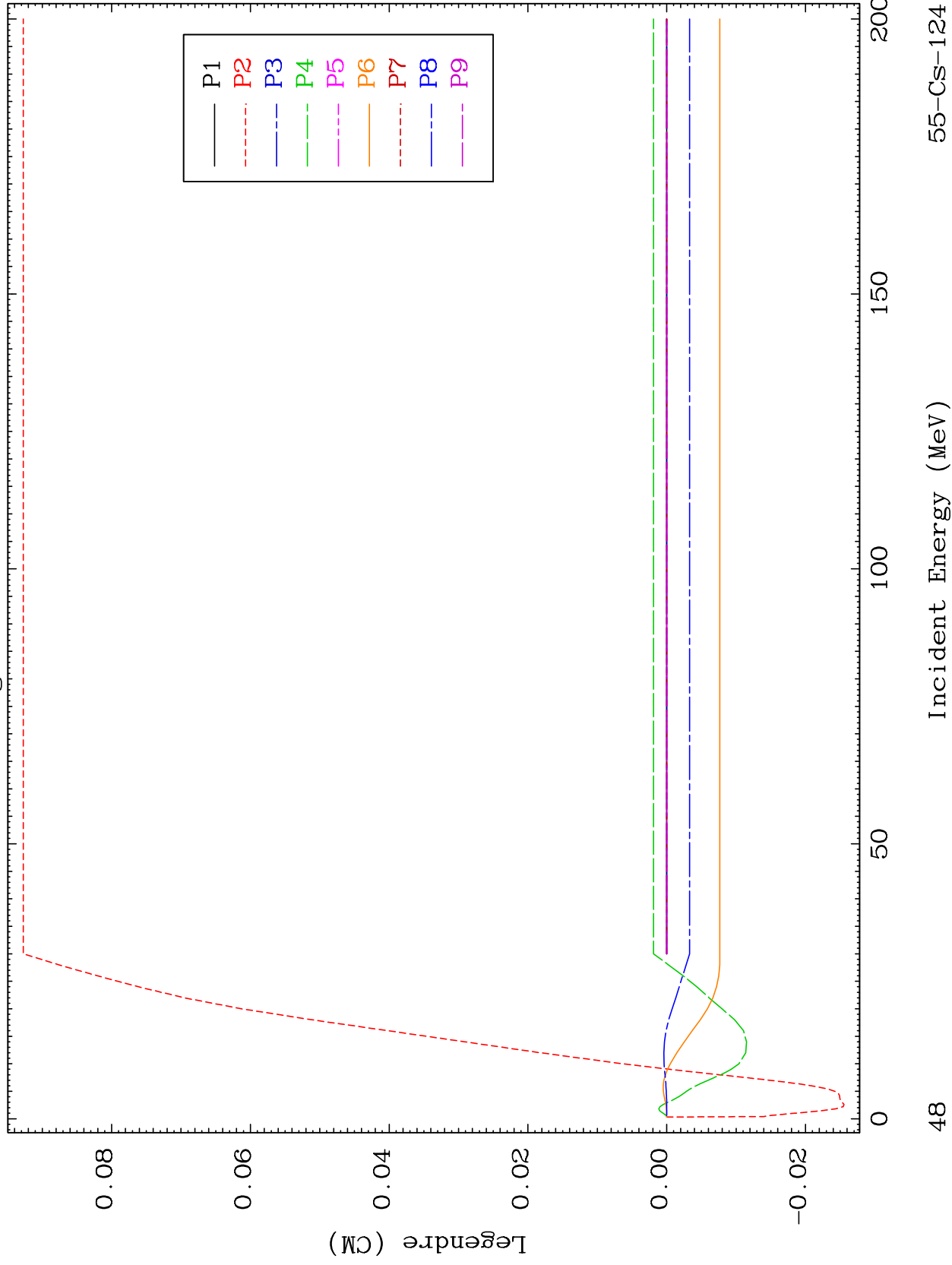
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



55-Cs-124

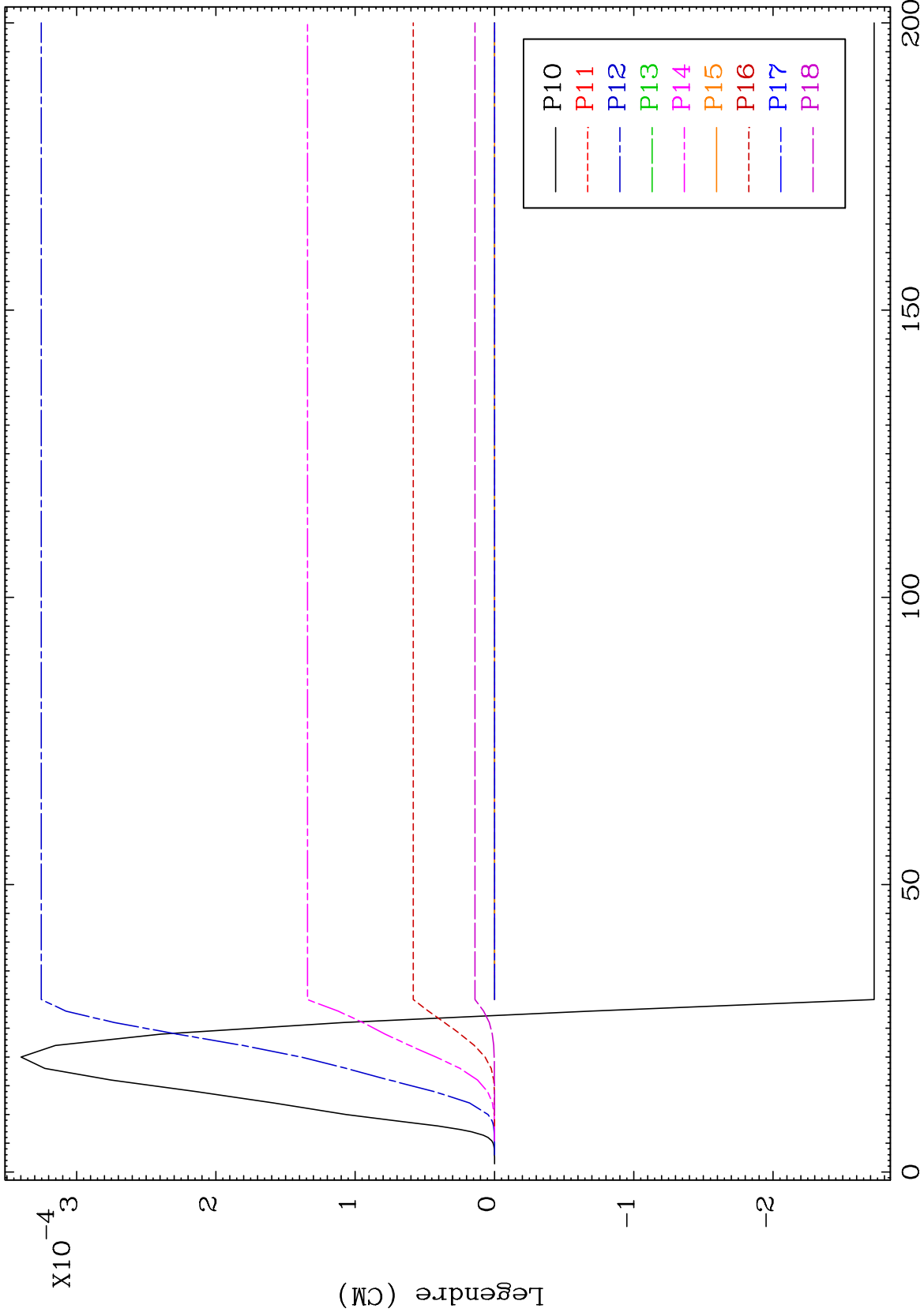
Incident Energy (MeV)

48

MAT 5498

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

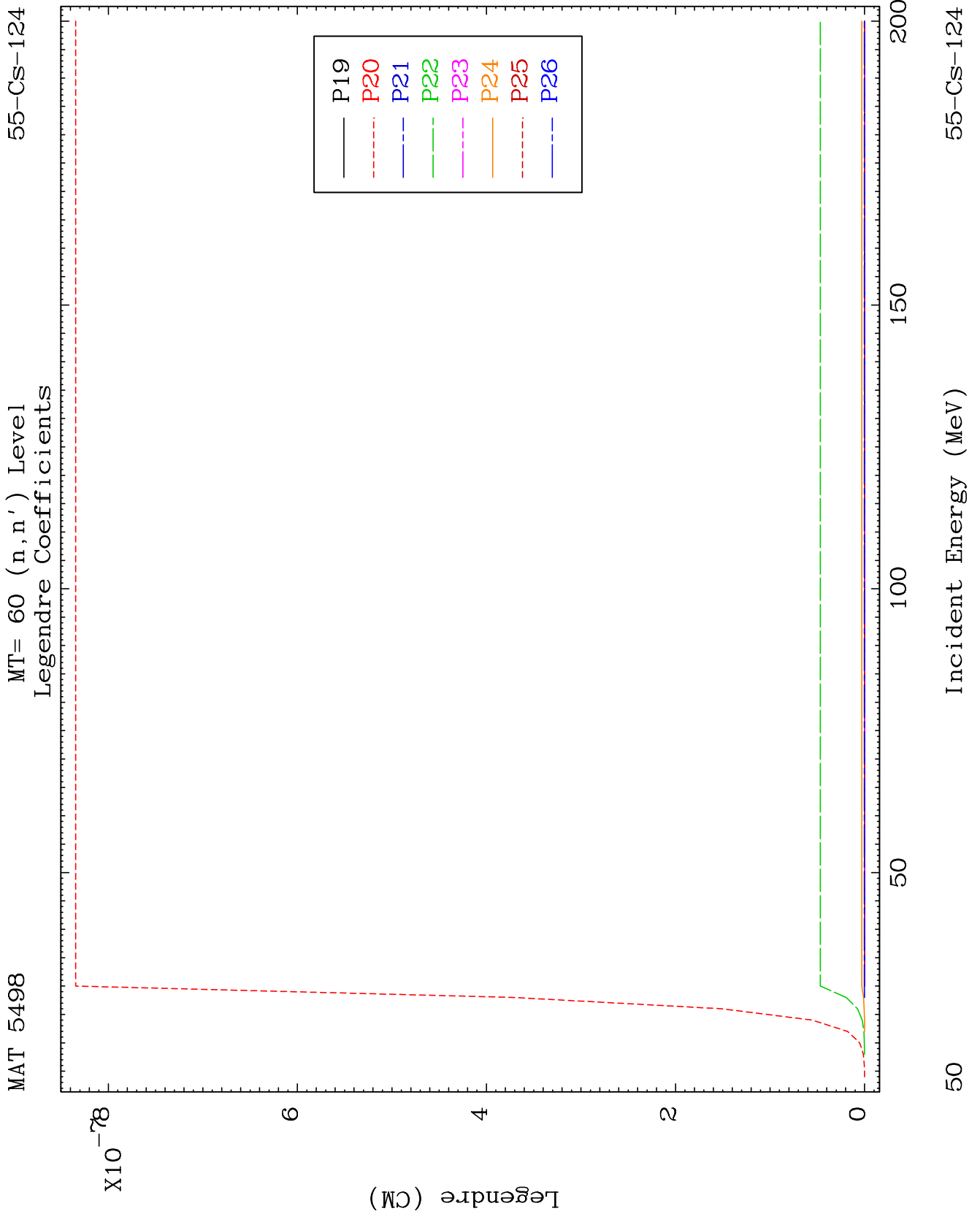
55-Cs-124



49

Incident Energy (MeV)

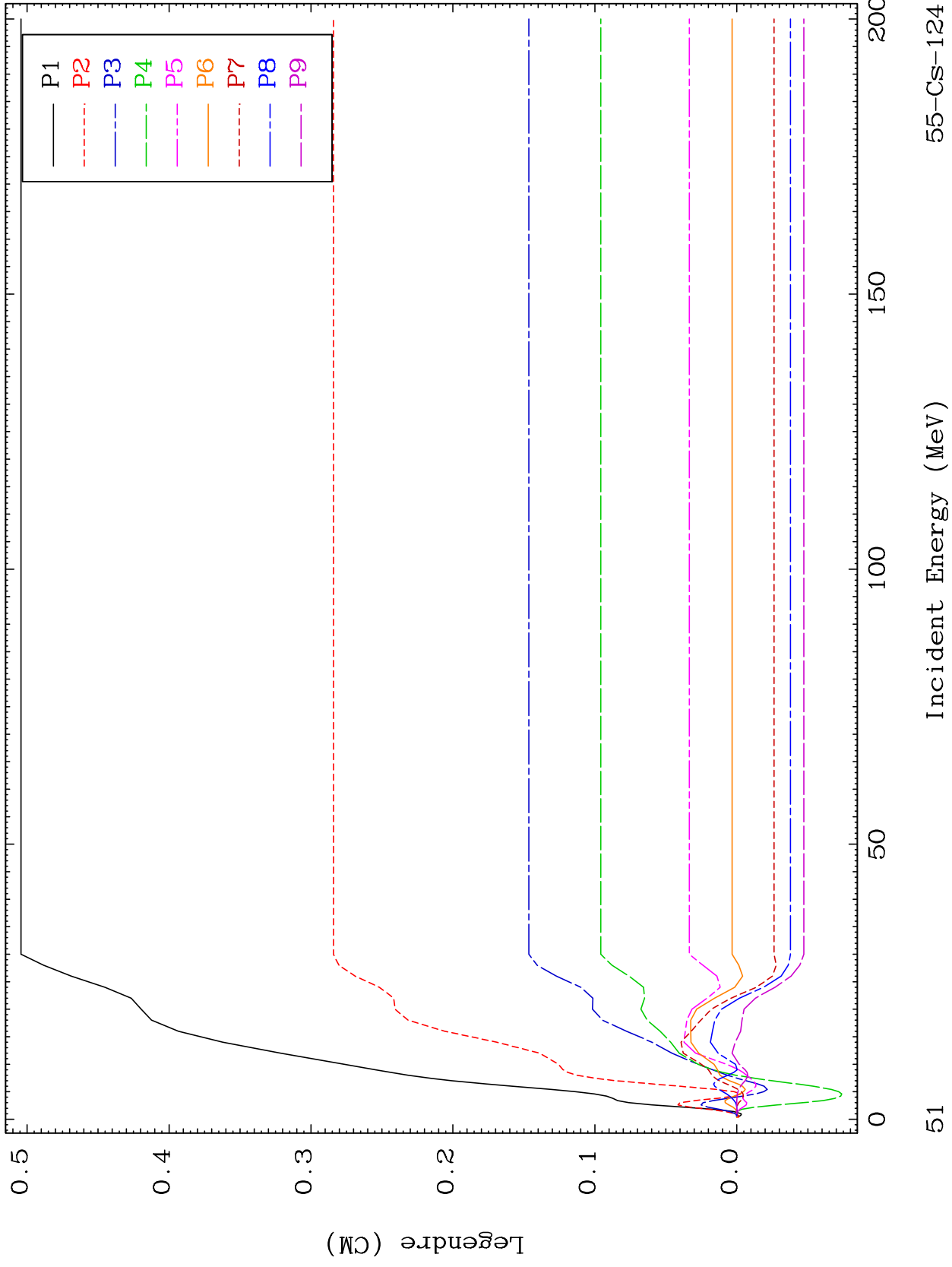
55-Cs-124



MAT 5498

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

55-Cs-124



55-Cs-124

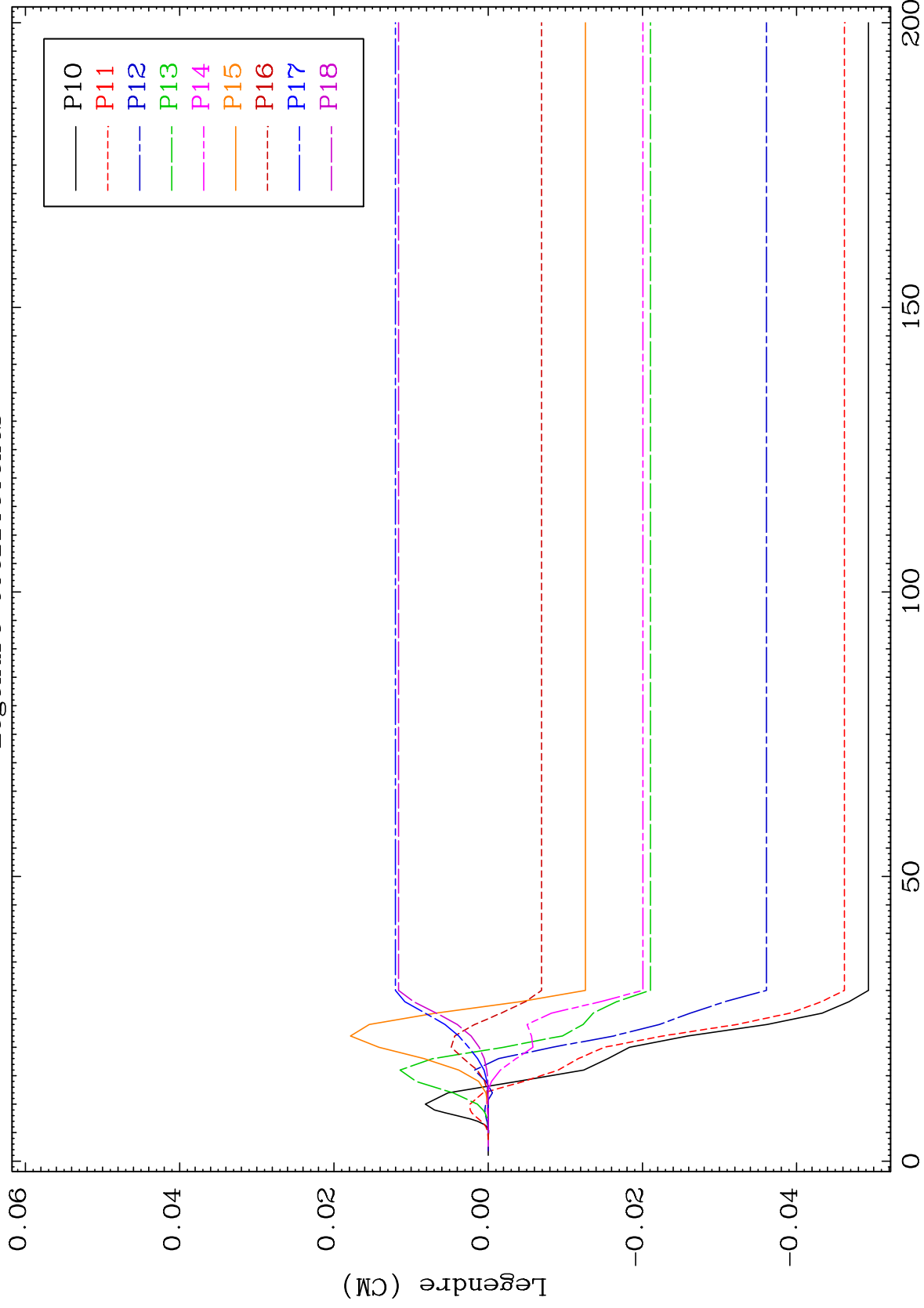
Incident Energy (MeV)

51

MAT 5498

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

55-Cs-124



52

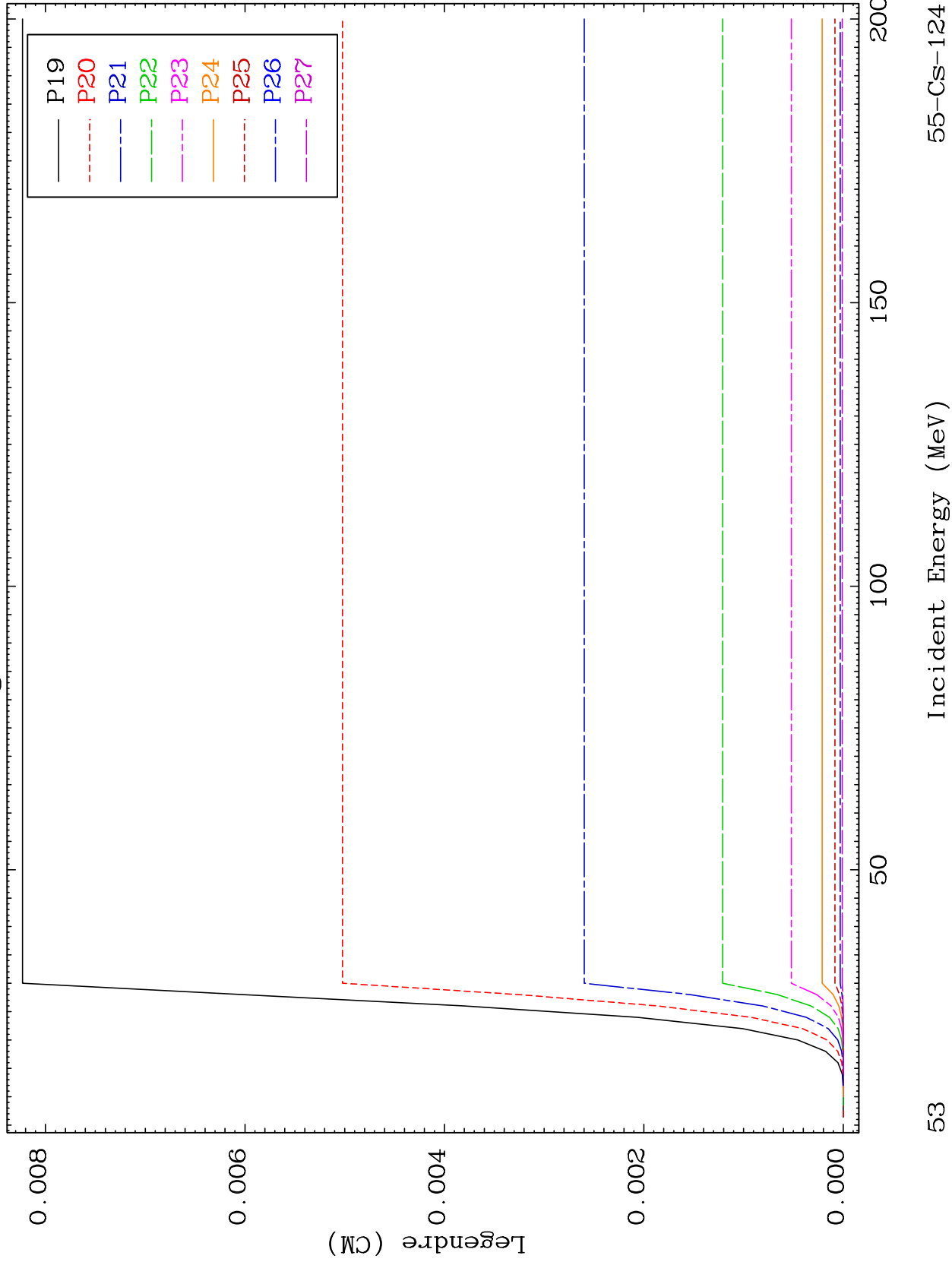
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



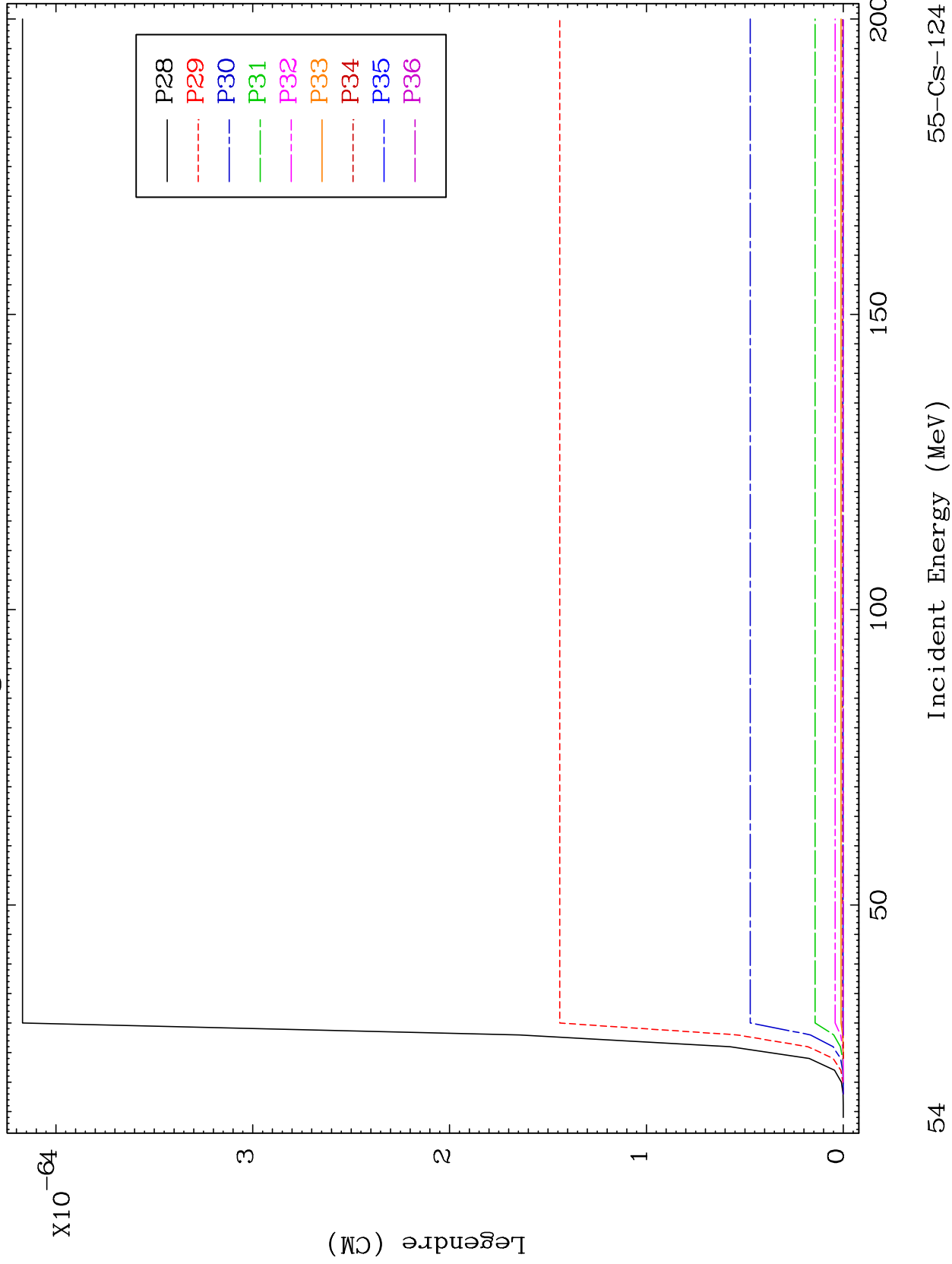
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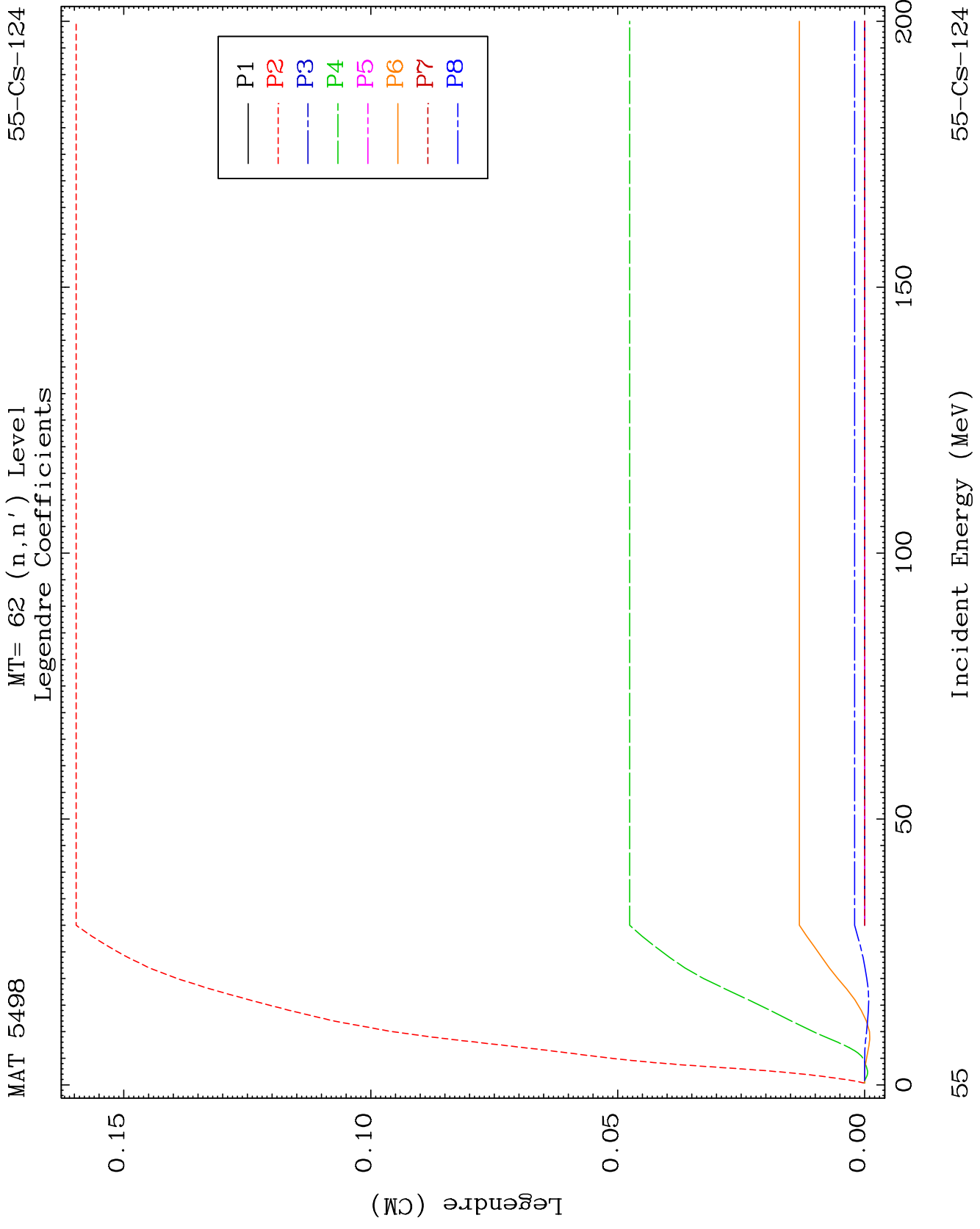
55-Cs-124

MAT 5498

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

55-Cs-124





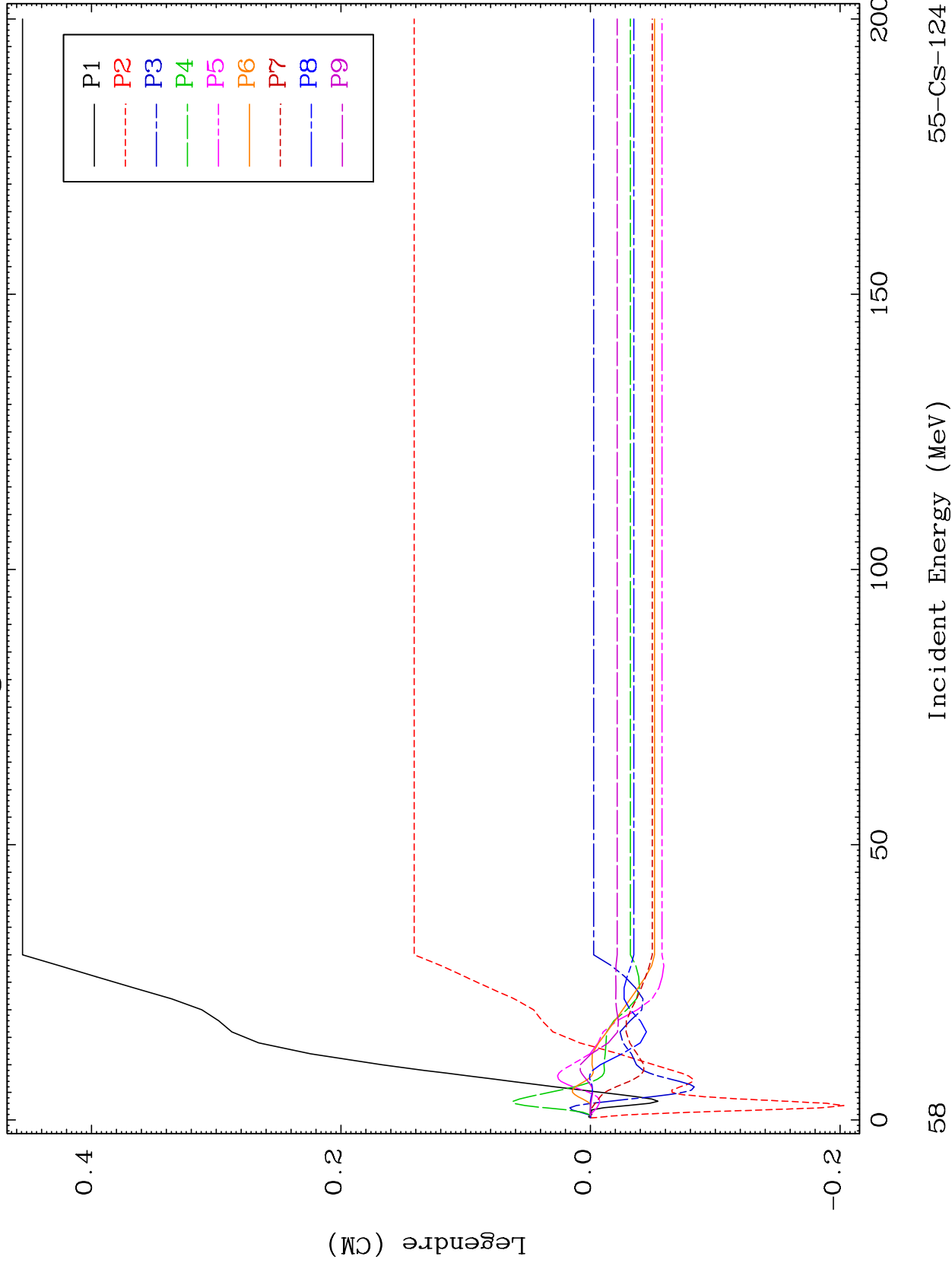




MAT 5498

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

55-Cs-124



55-Cs-124

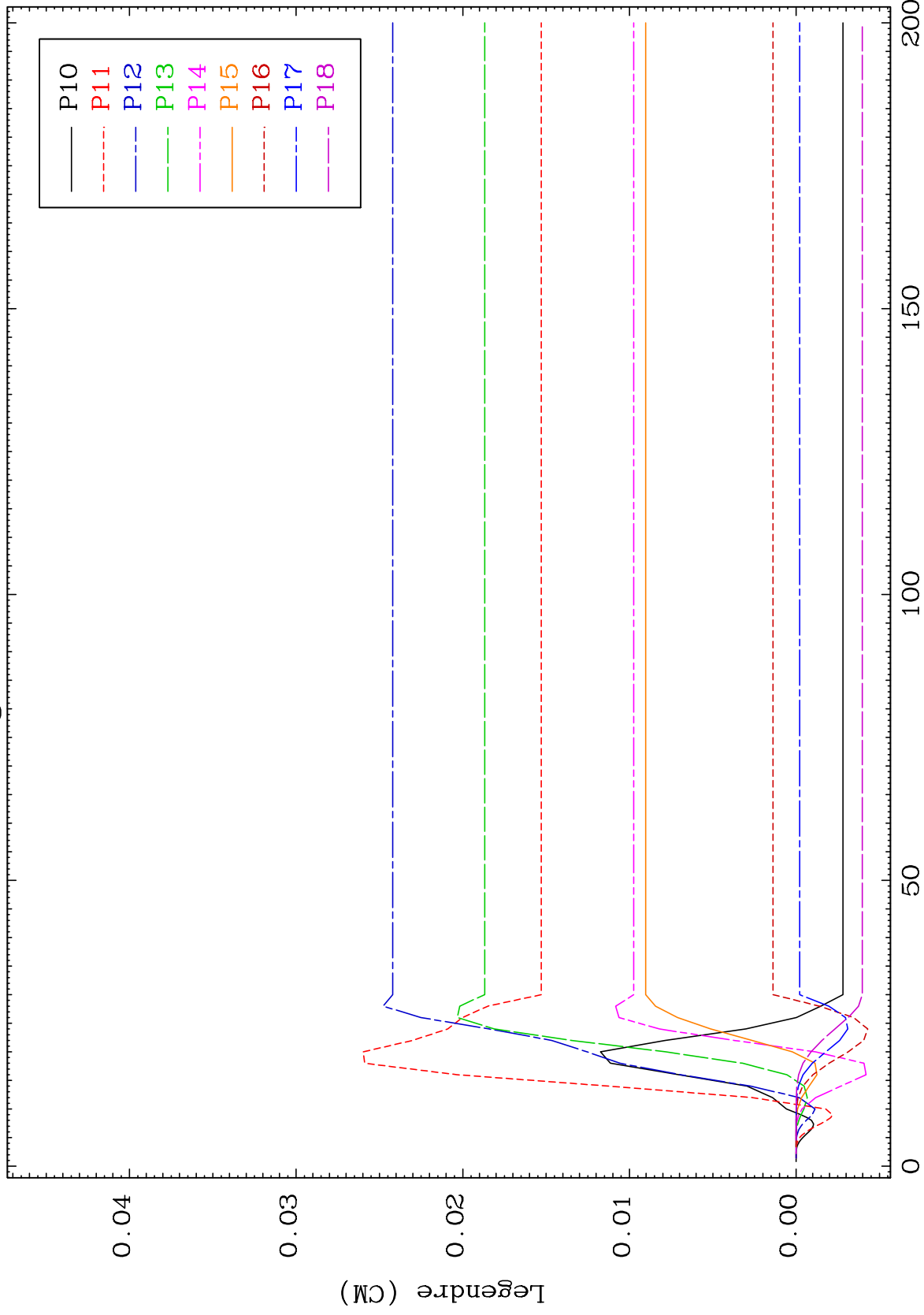
Incident Energy (MeV)

58

MAT 5498

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

55-Cs-124



59

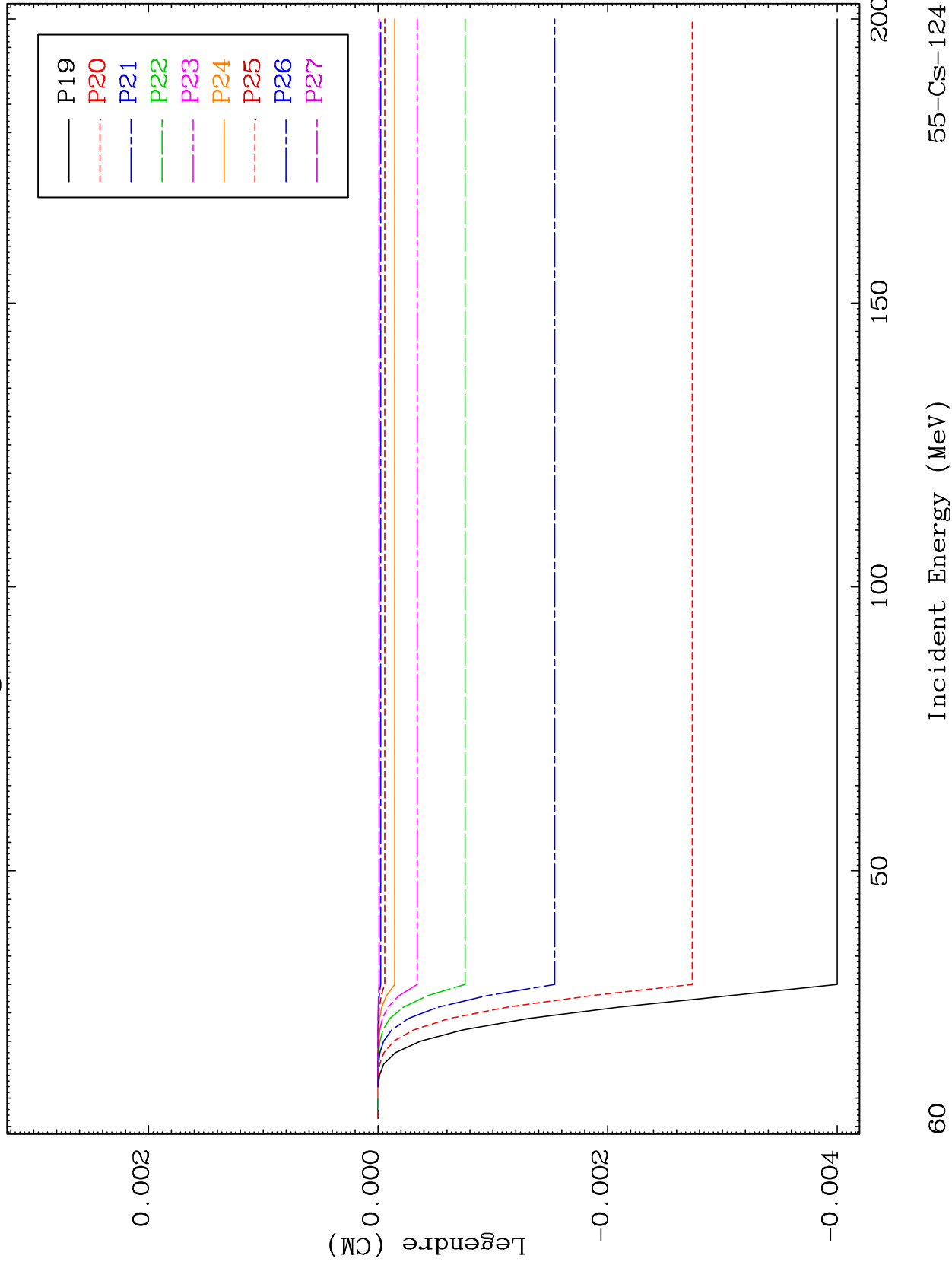
Incident Energy (MeV)

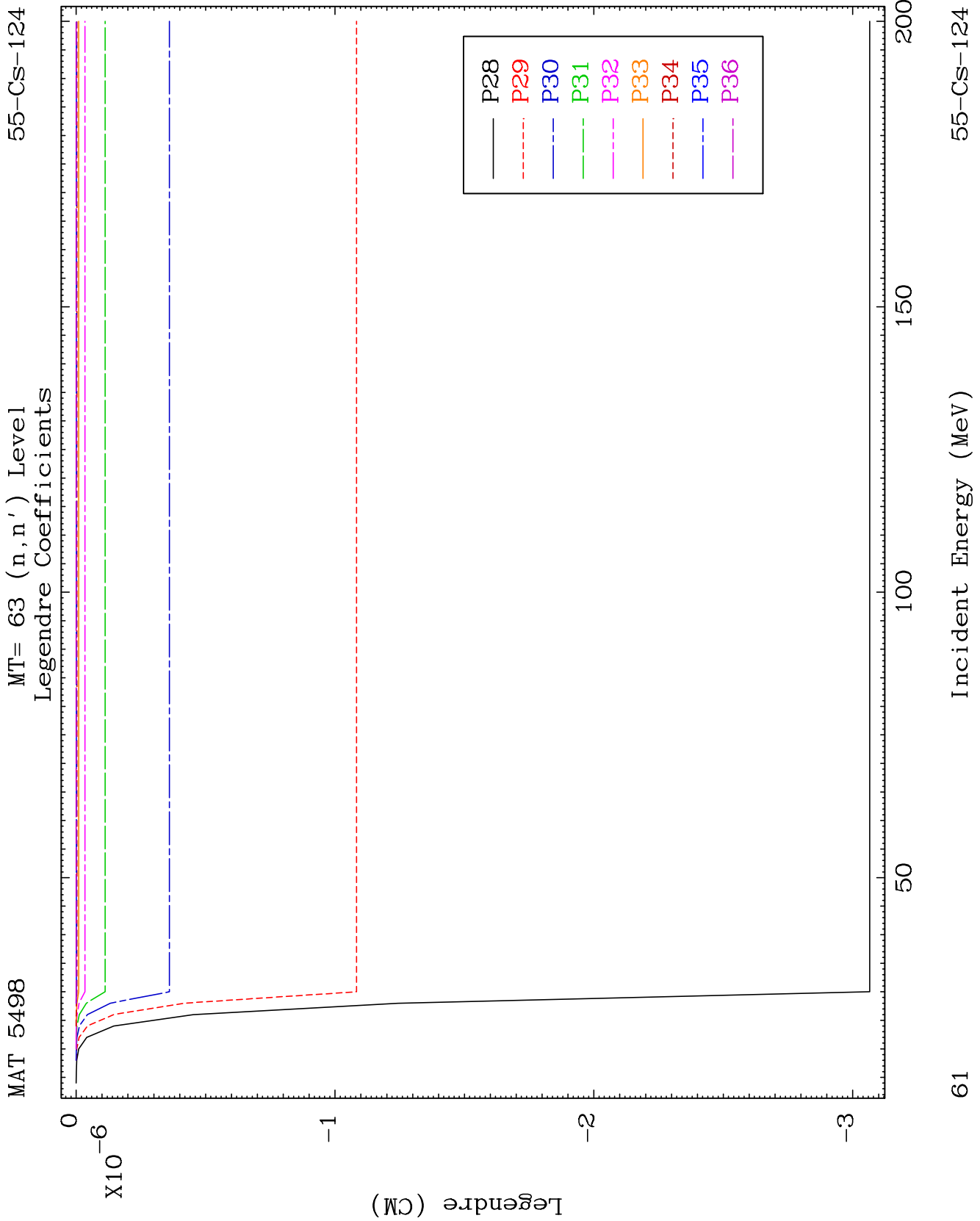
55-Cs-124

MAT 5498

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

55-Cs-124

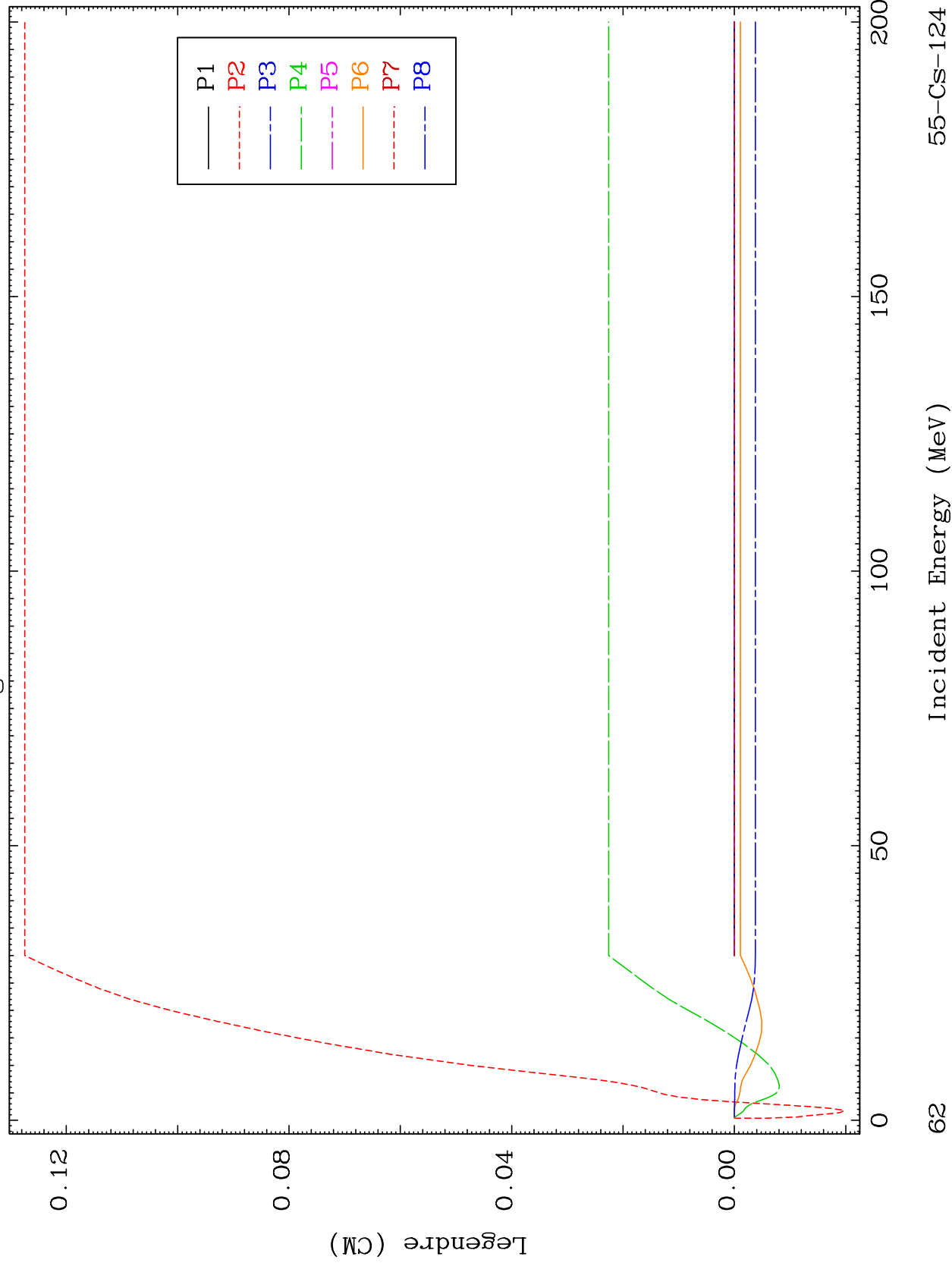




MAT 5498

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

55-Cs-124



55-Cs-124

Incident Energy (MeV)

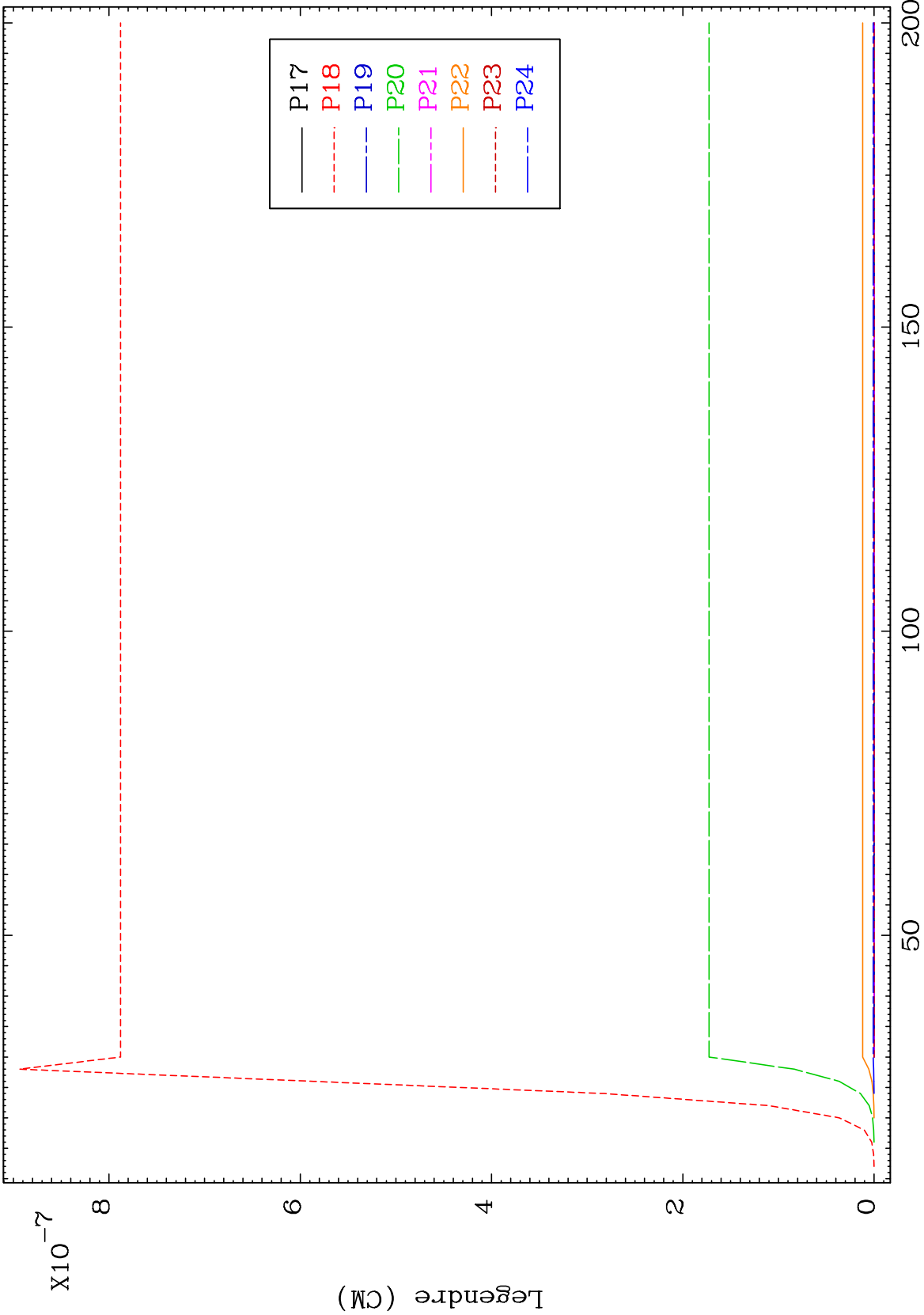
62



MAT 5498

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

55-Cs-124



64

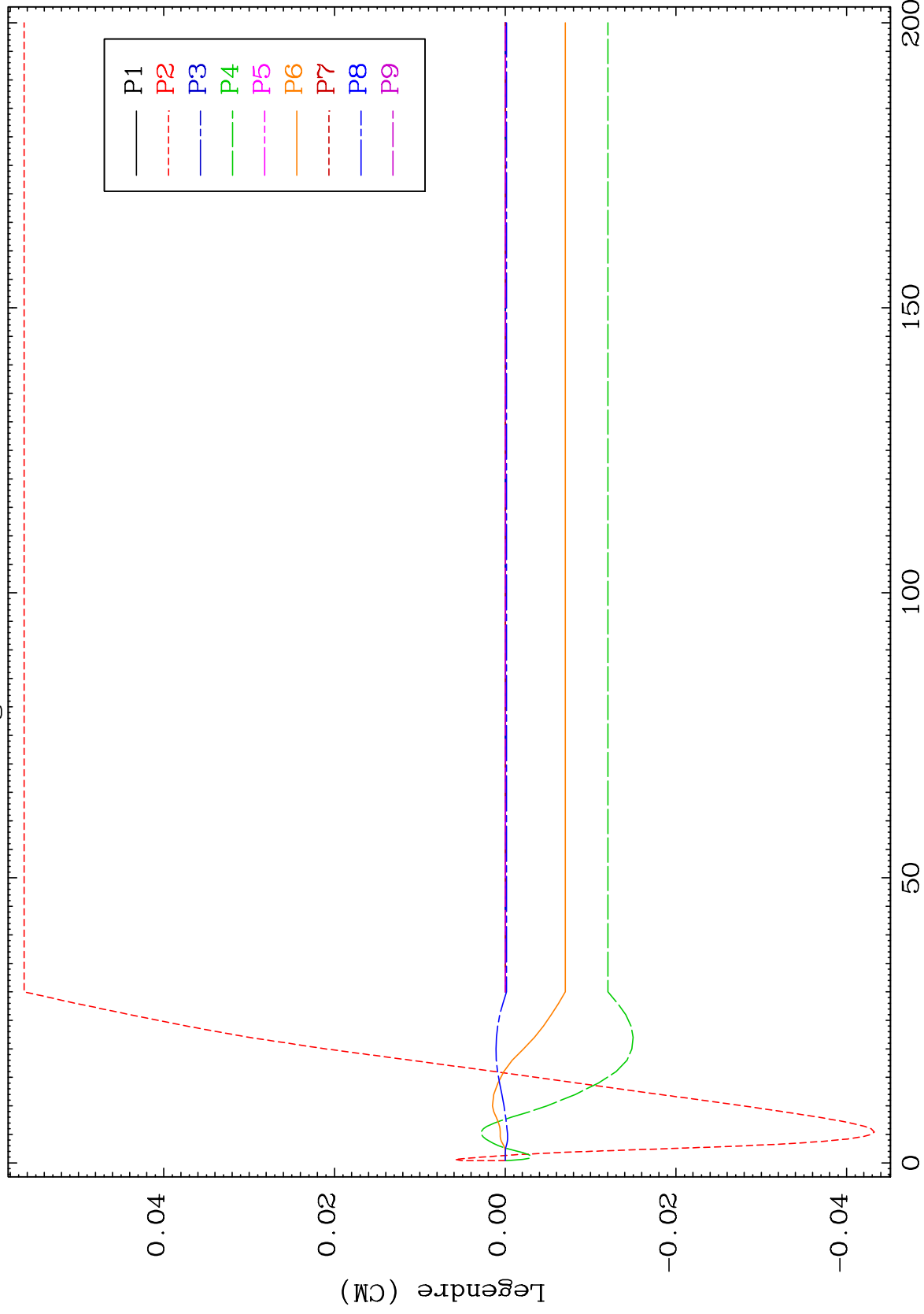
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



55-Cs-124

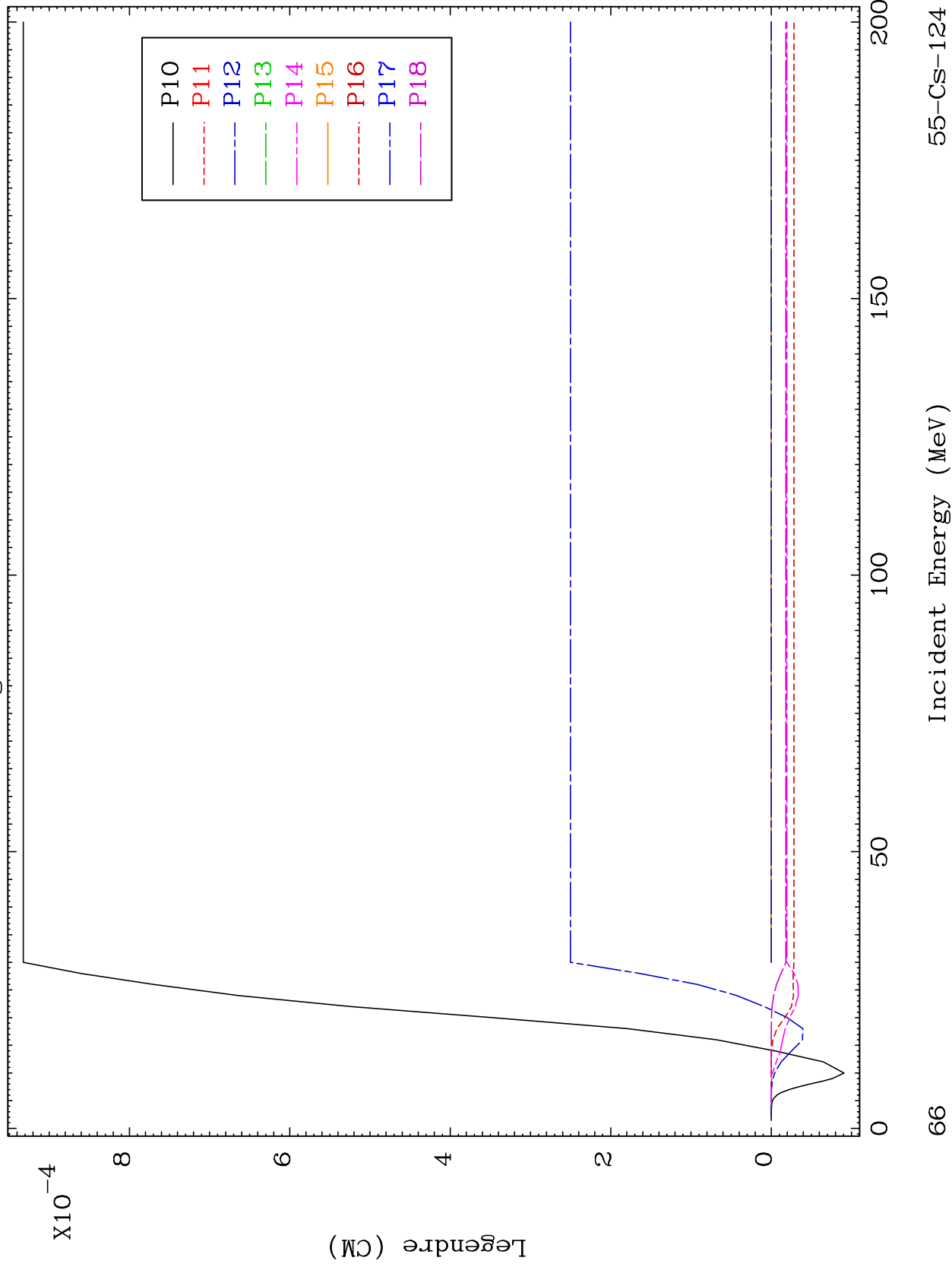
Incident Energy (MeV)

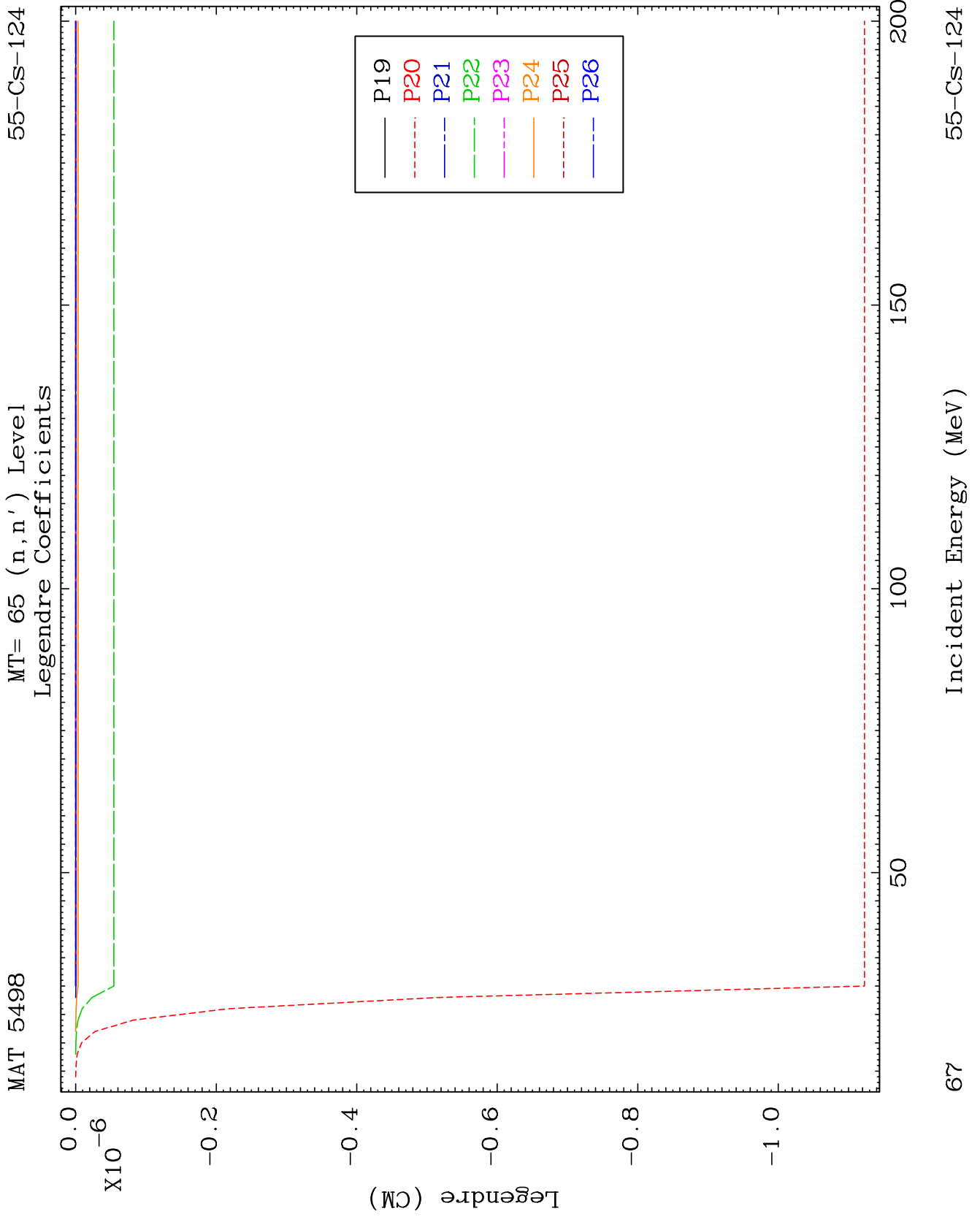
65

MAT 5498

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

55-Cs-124

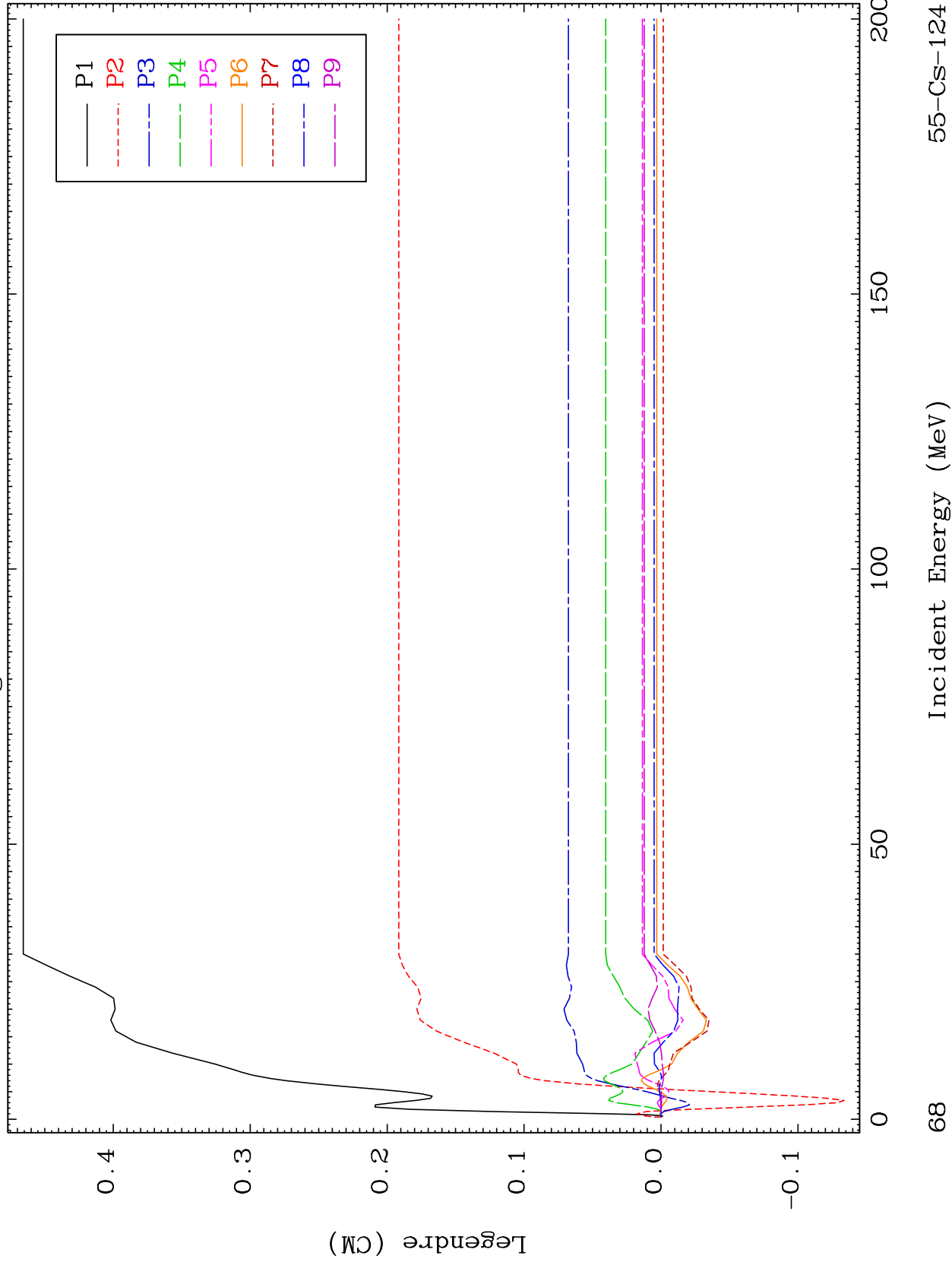




MAT 5498

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

55-Cs-124



55-Cs-124

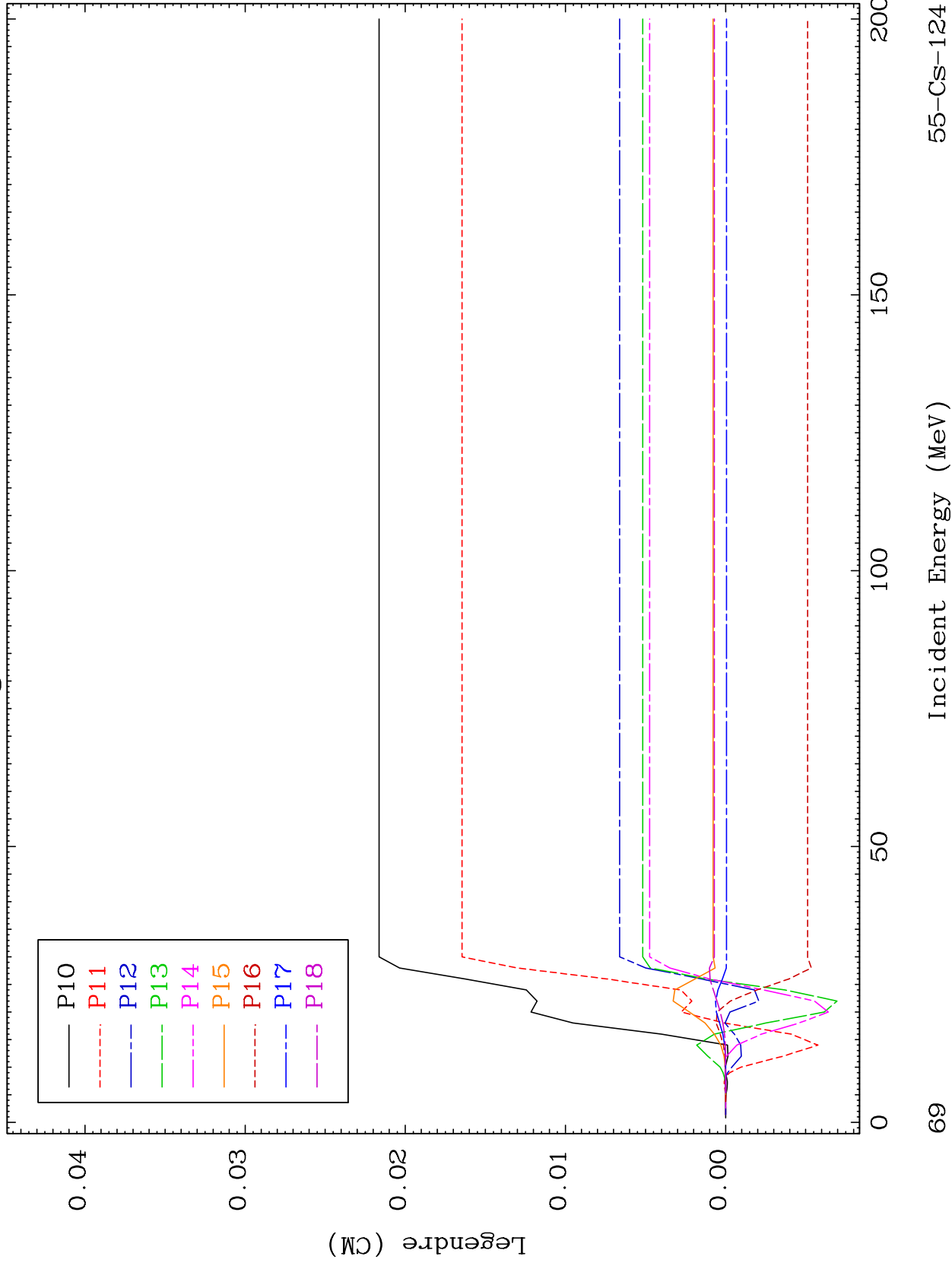
Incident Energy (MeV)

68

MAT 5498

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

55-Cs-124



69

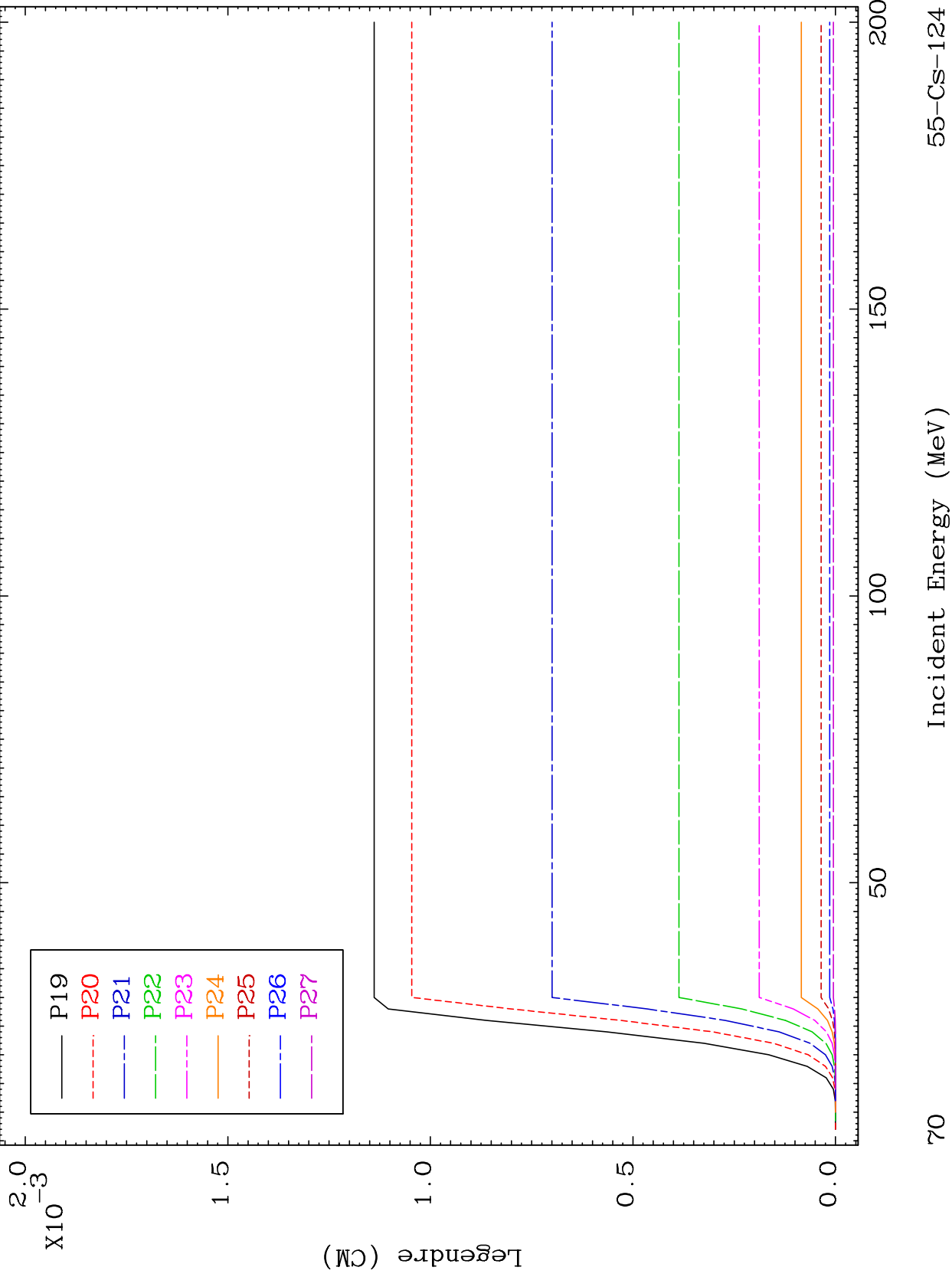
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



70

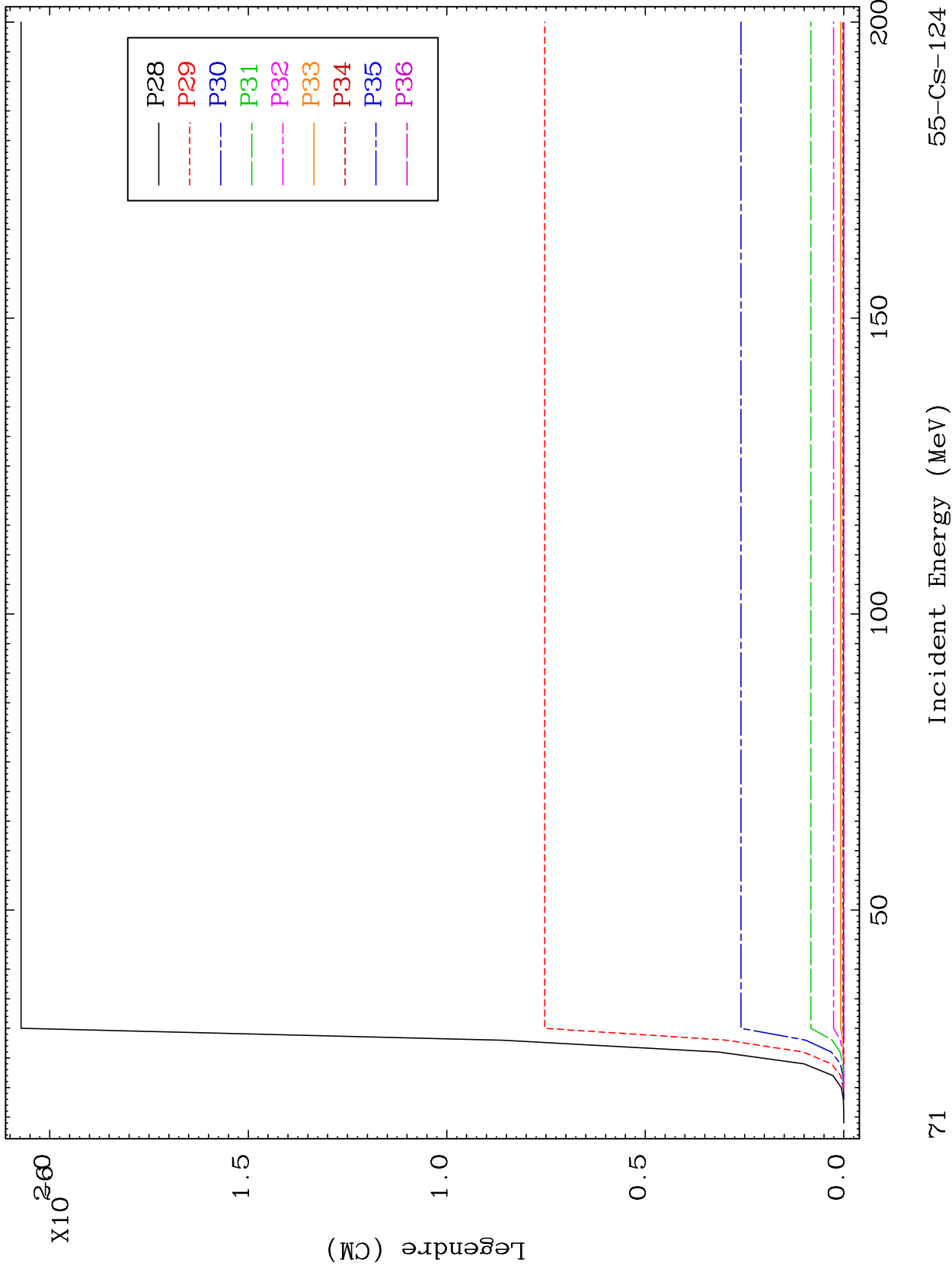
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



71

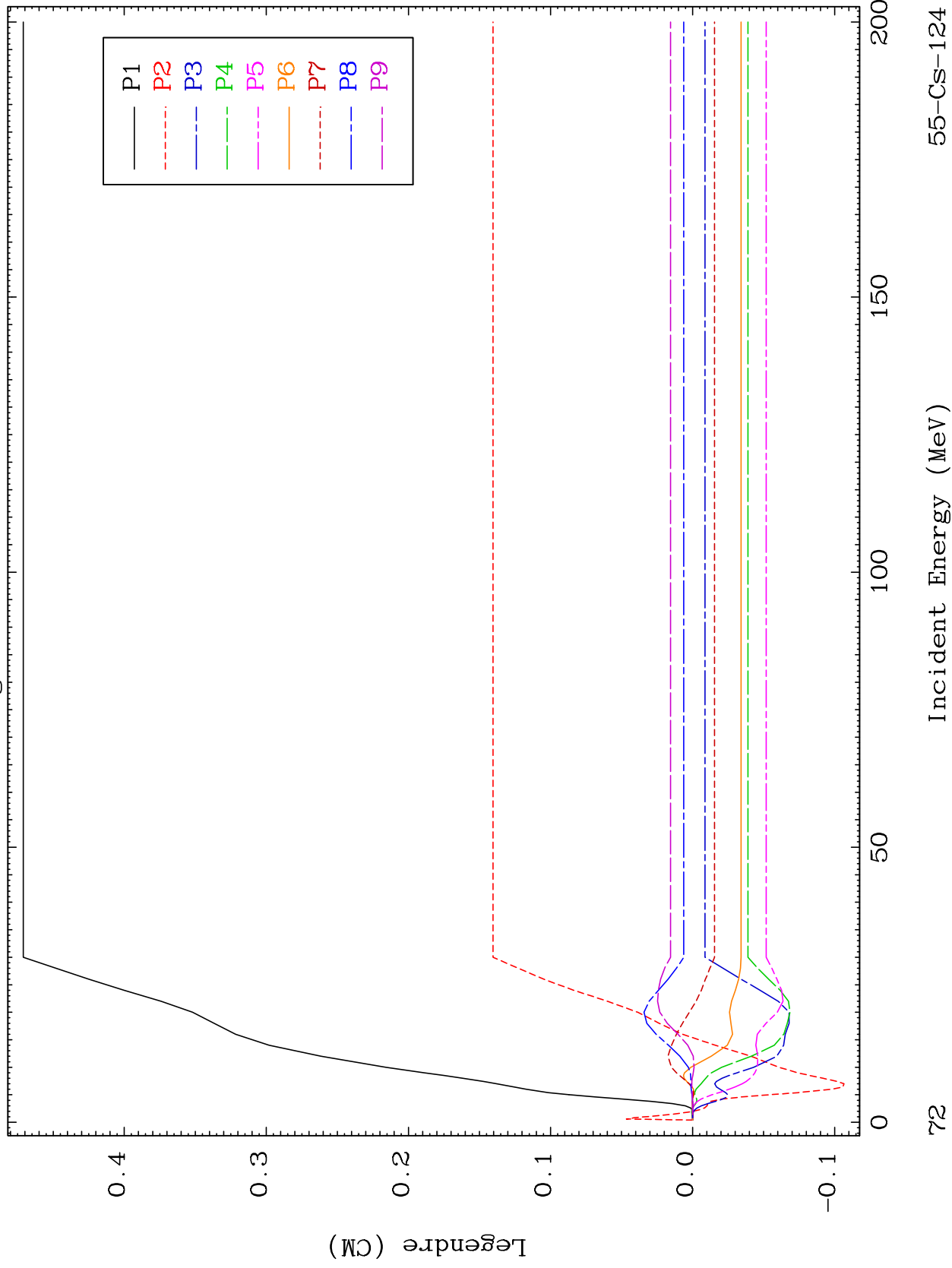
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



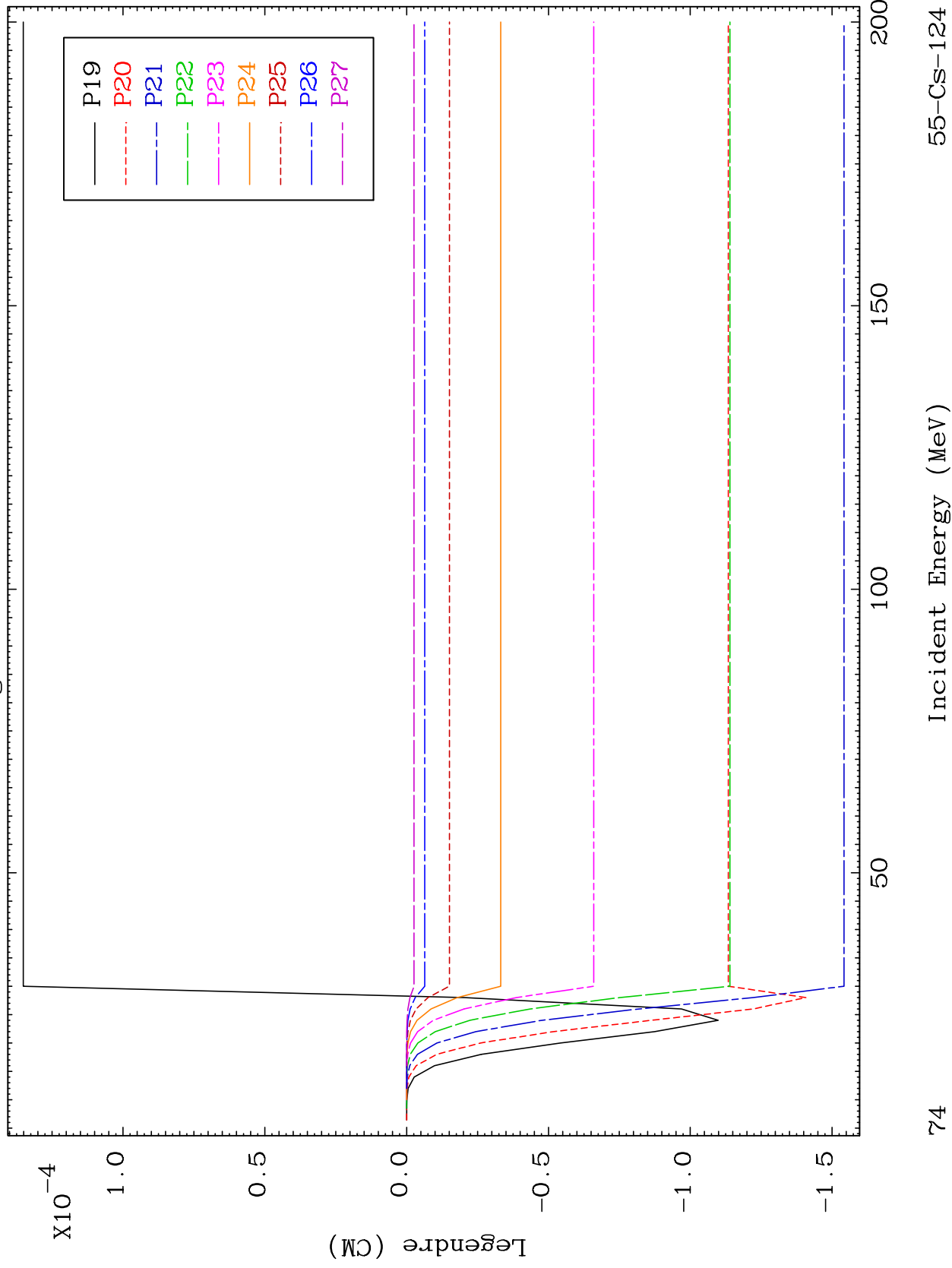
55-Cs-124



MAT 5498

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

55-Cs-124



74

Incident Energy (MeV)

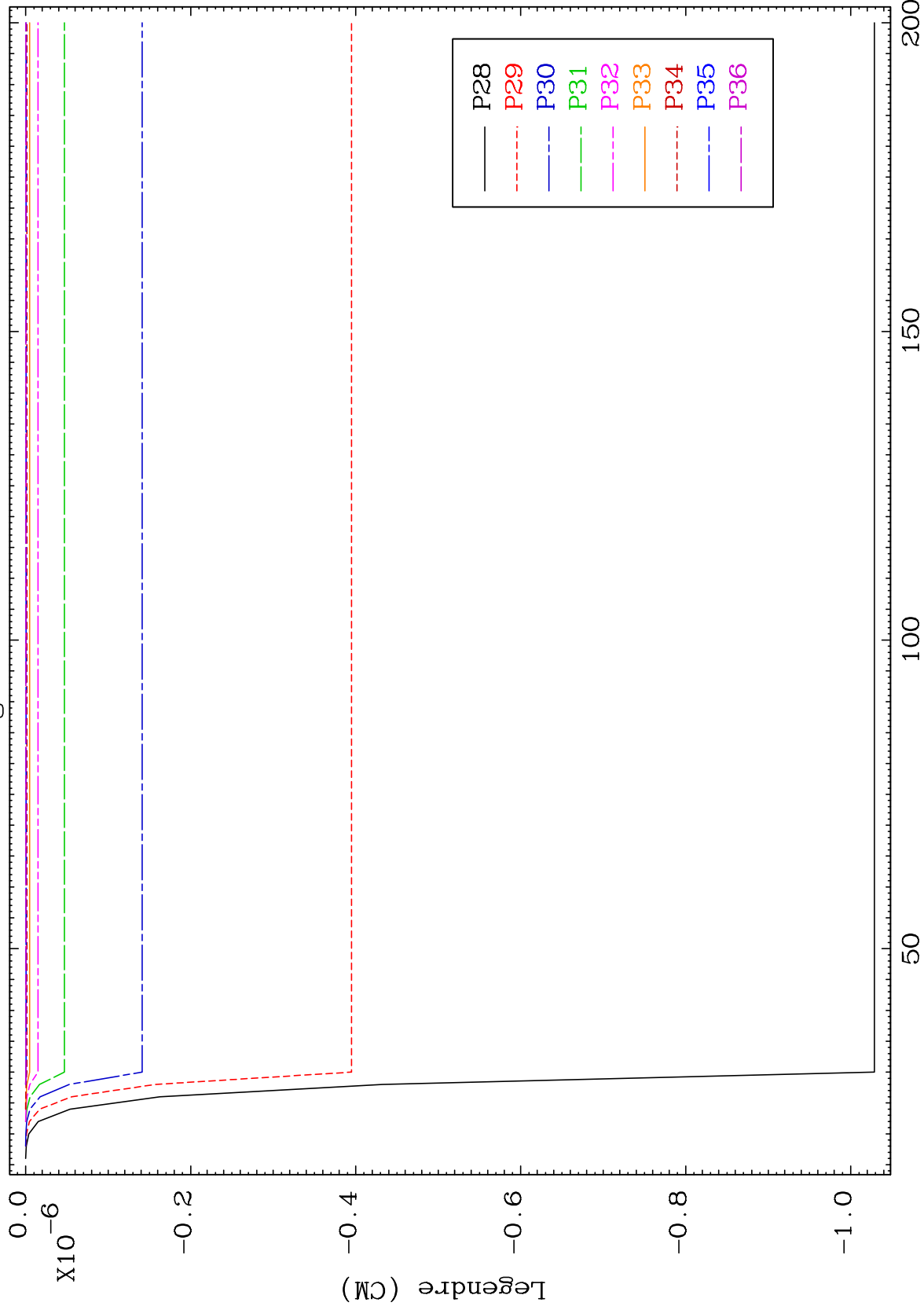
55-Cs-124

MAT 5498

MT= 67 (n,n') Level

55-Cs-124

Legendre Coefficients



75

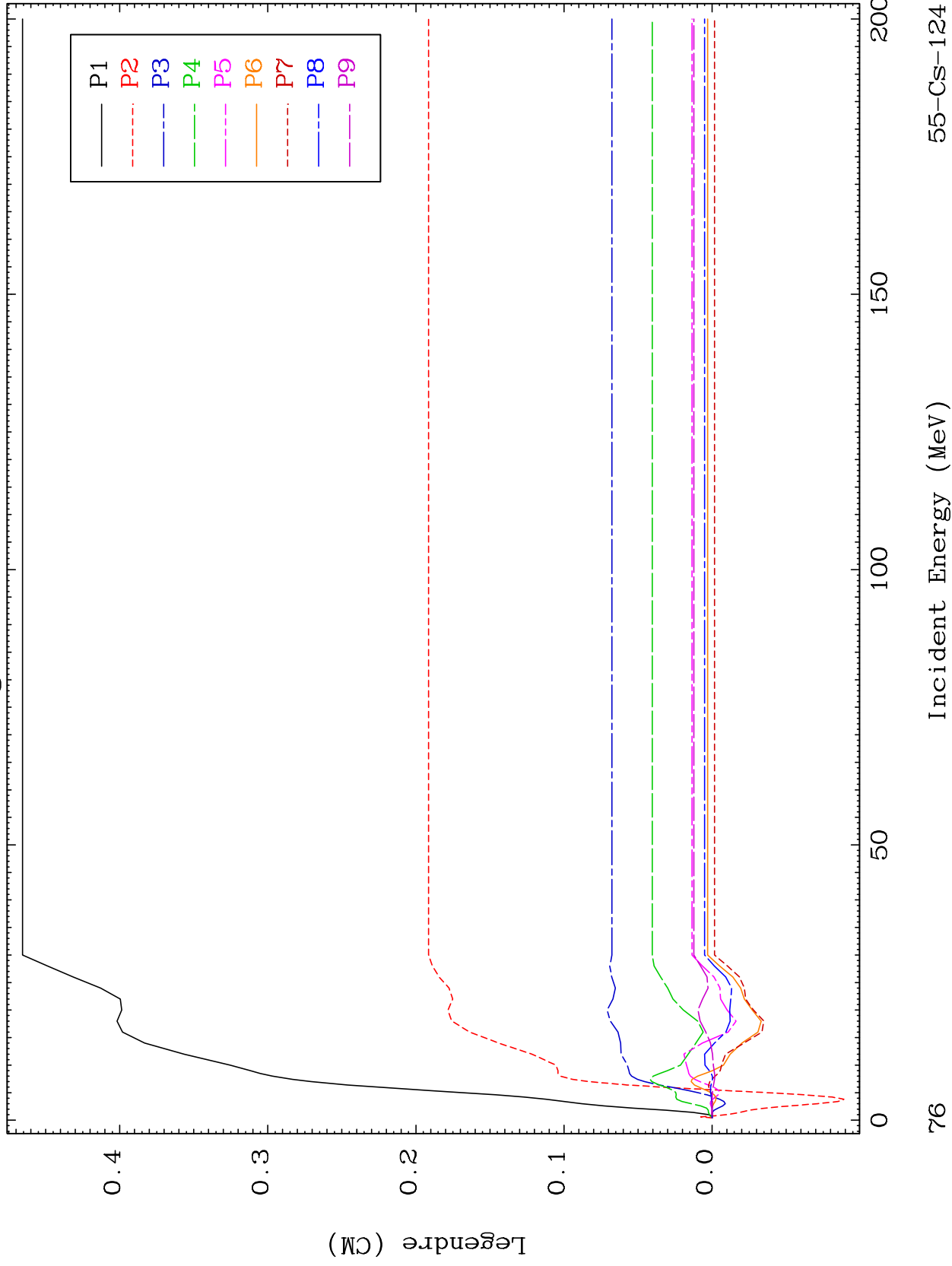
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

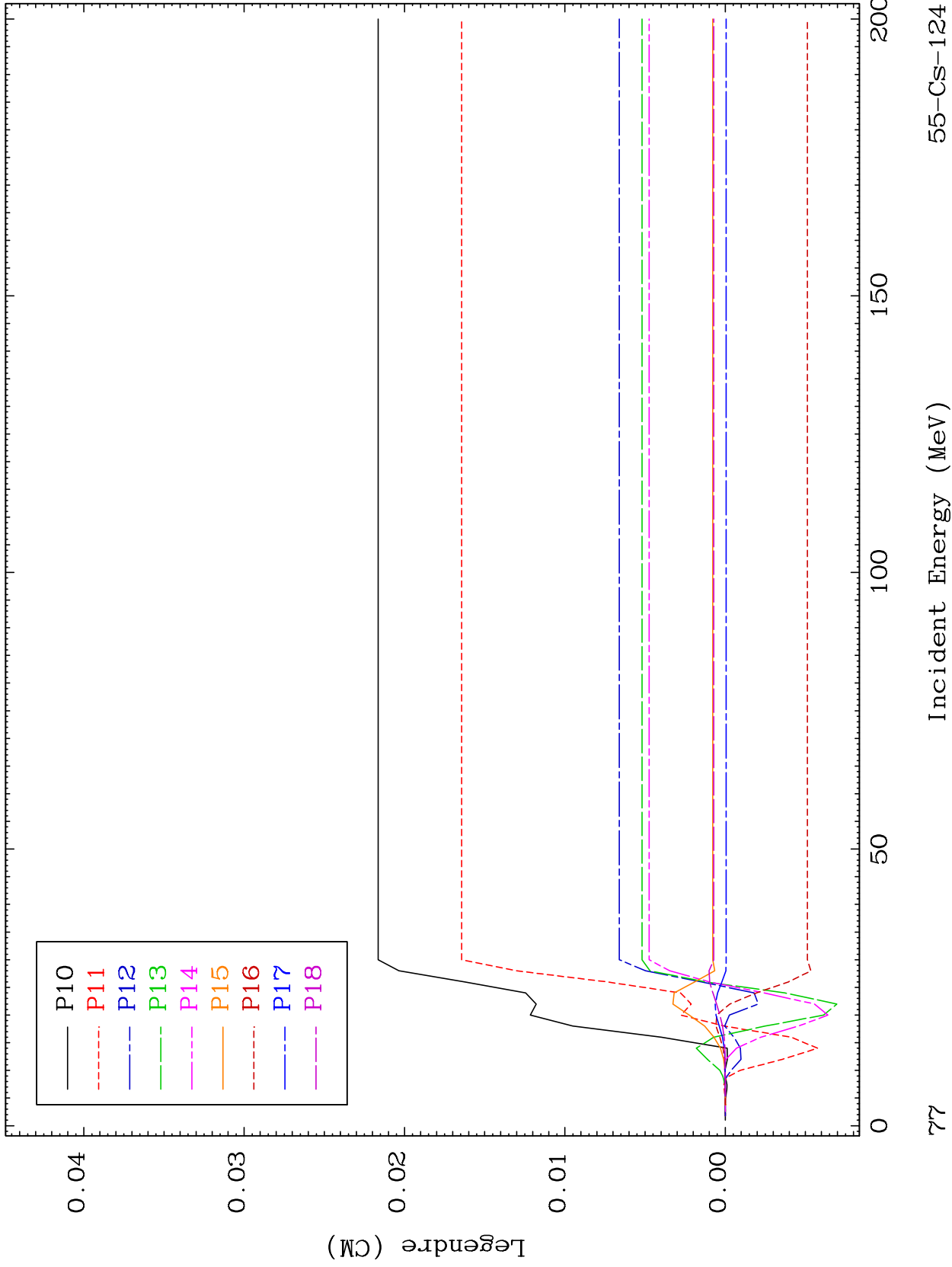
55-Cs-124



MAT 5498

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

55-Cs-124

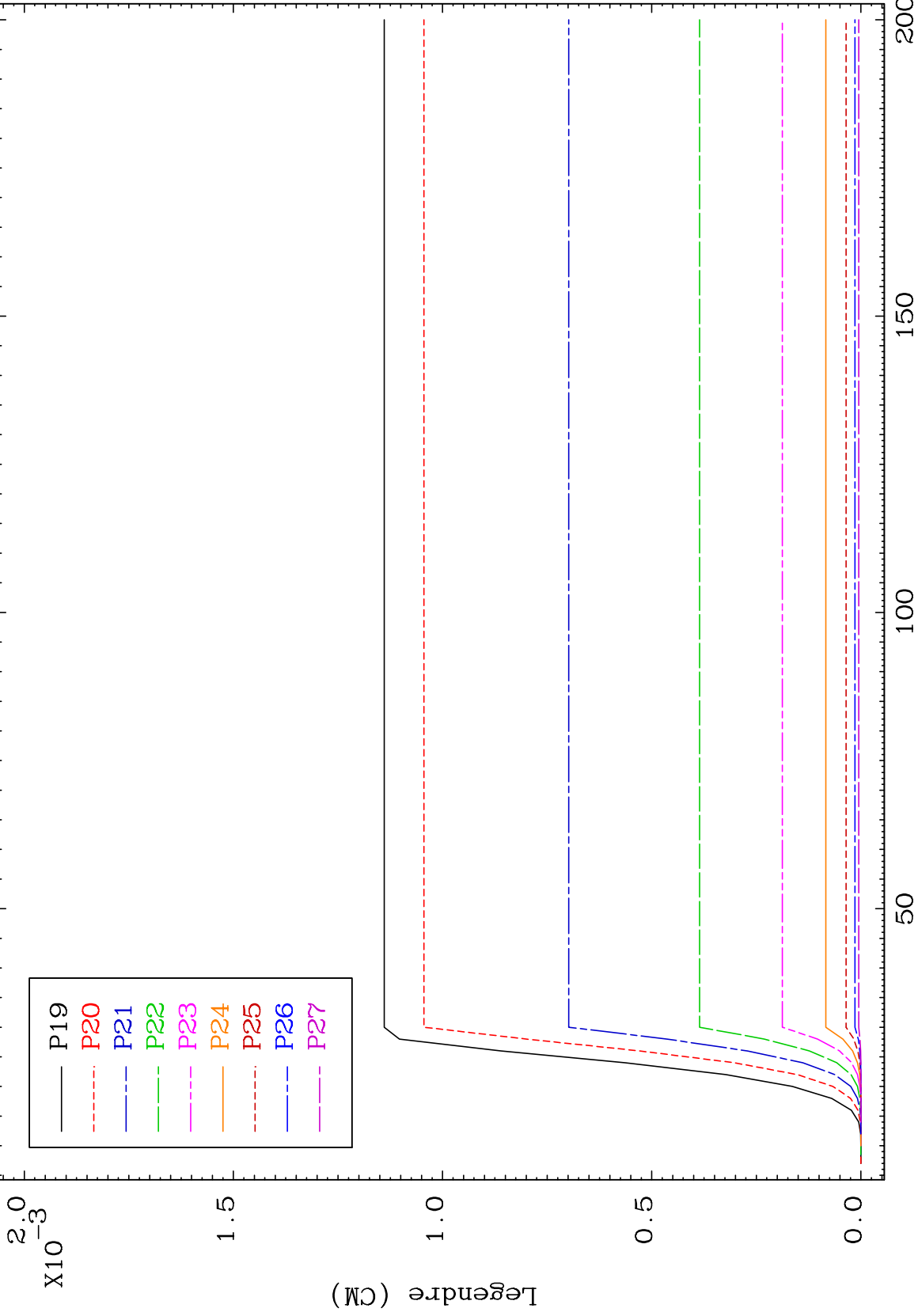


77

MAT 5498

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

55-Cs-124



78

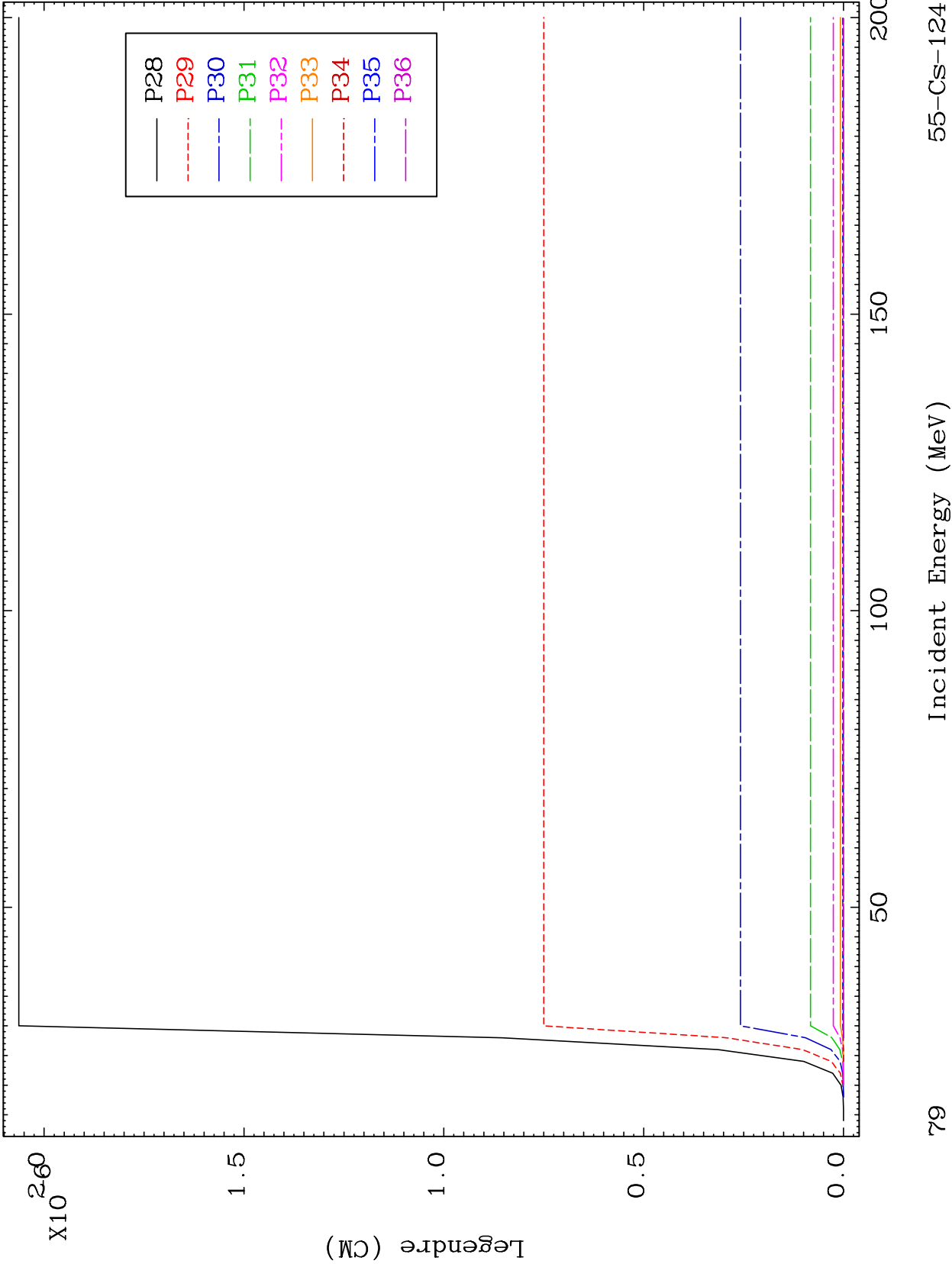
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



79

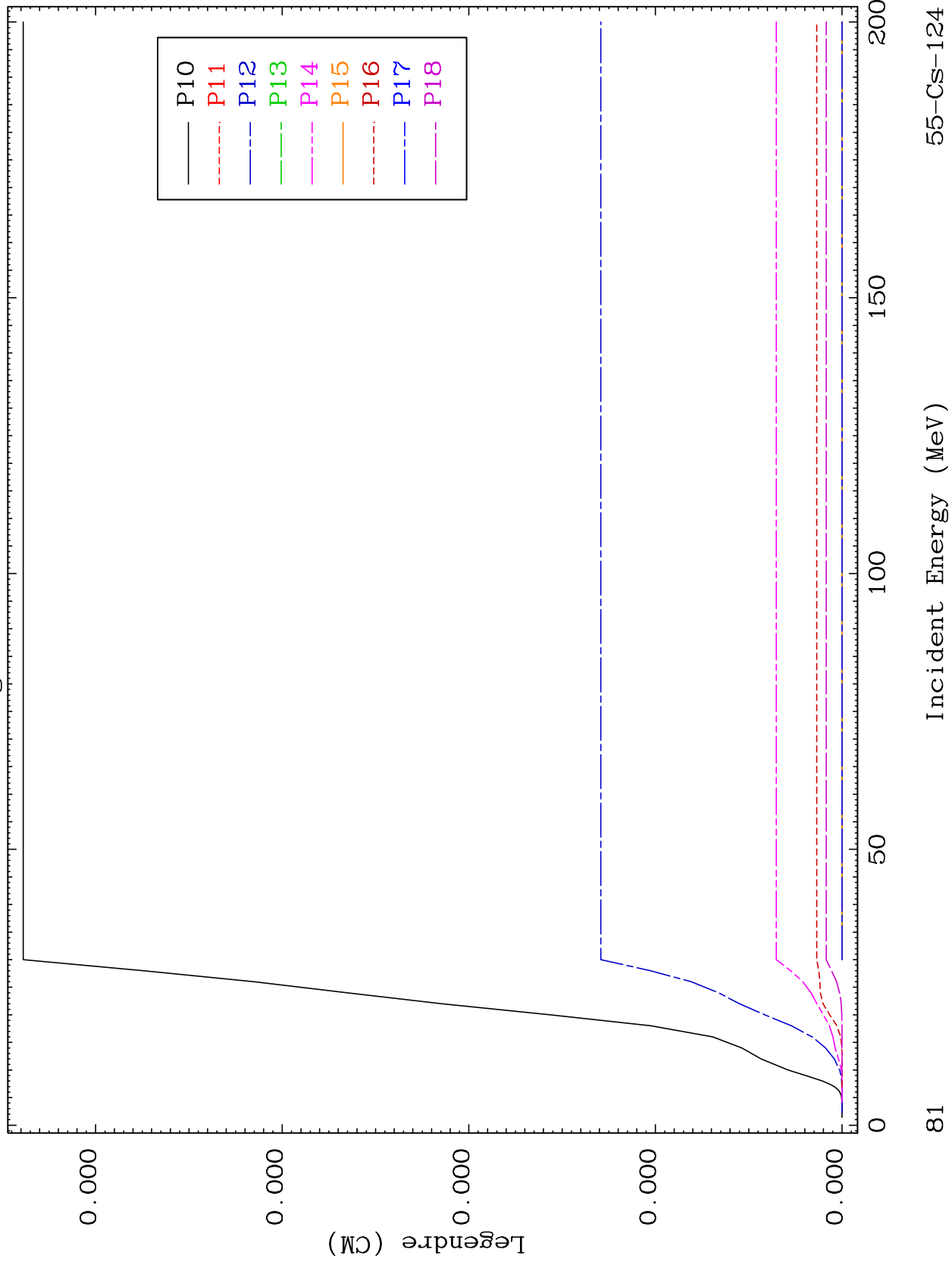
55-Cs-124



MAT 5498

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

55-Cs-124



81

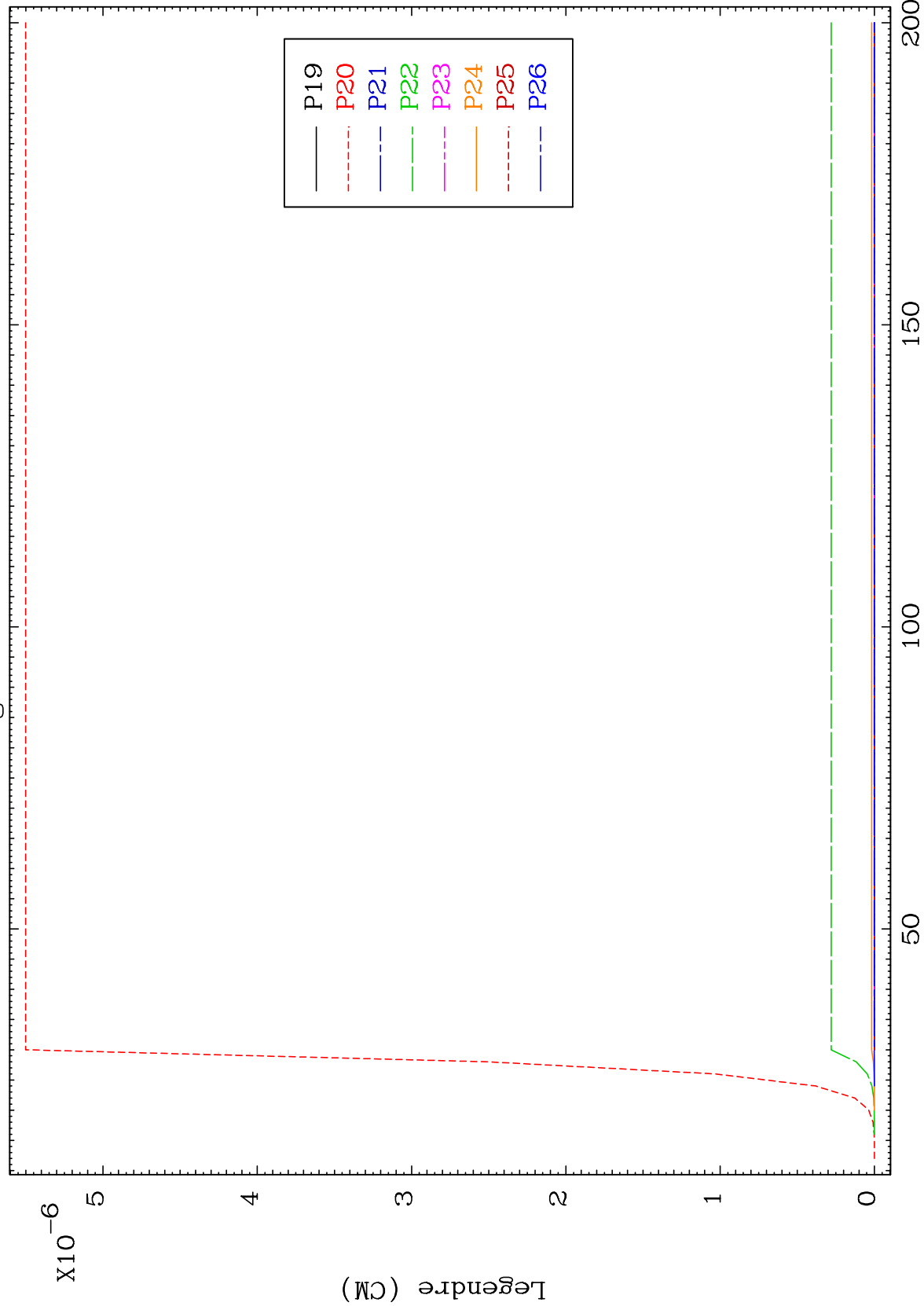
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



55-Cs-124

Incident Energy (MeV)

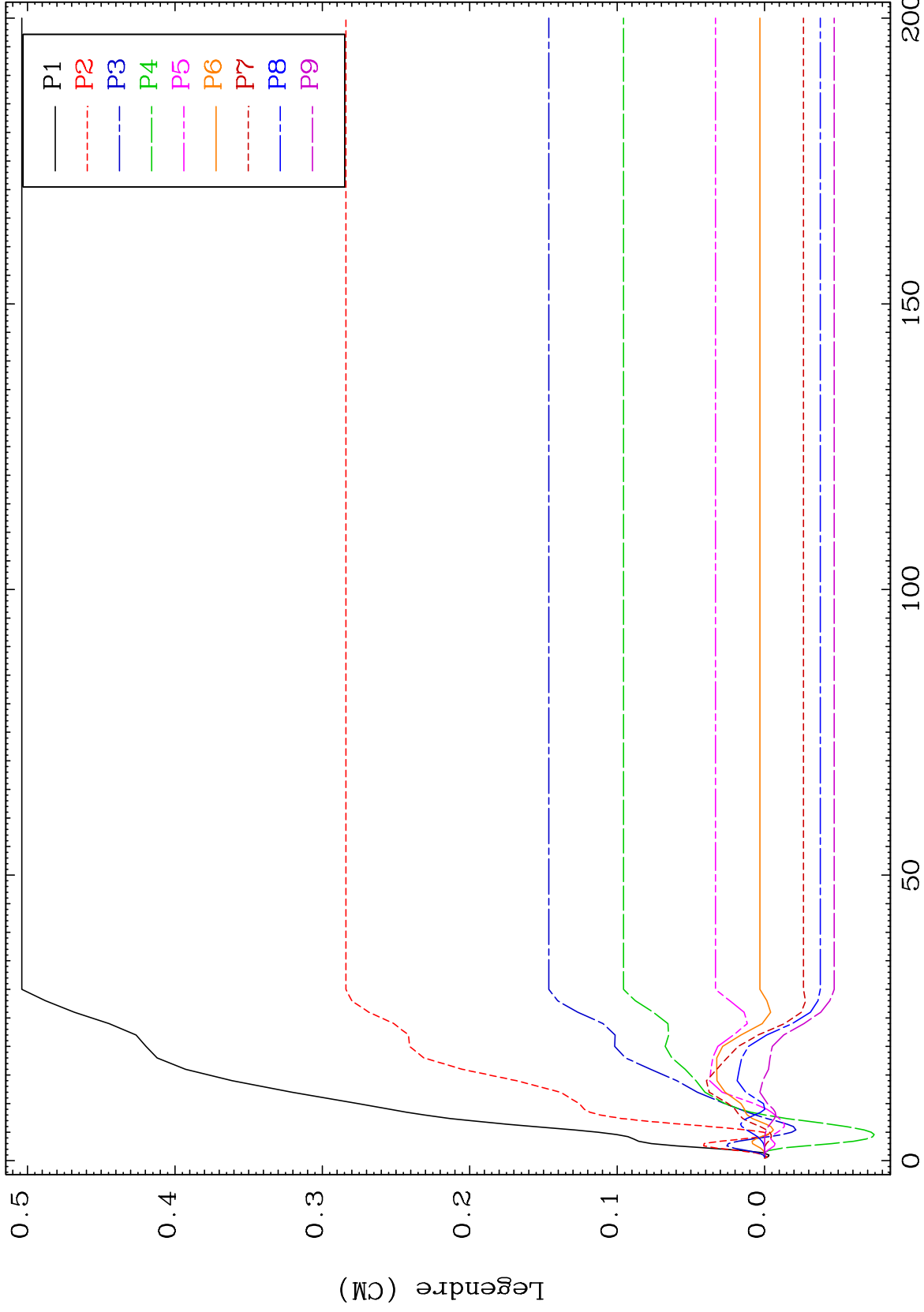
82

MAT 5498

MT= 70 (n,n') Level

55-Cs-124

Legendre Coefficients



83

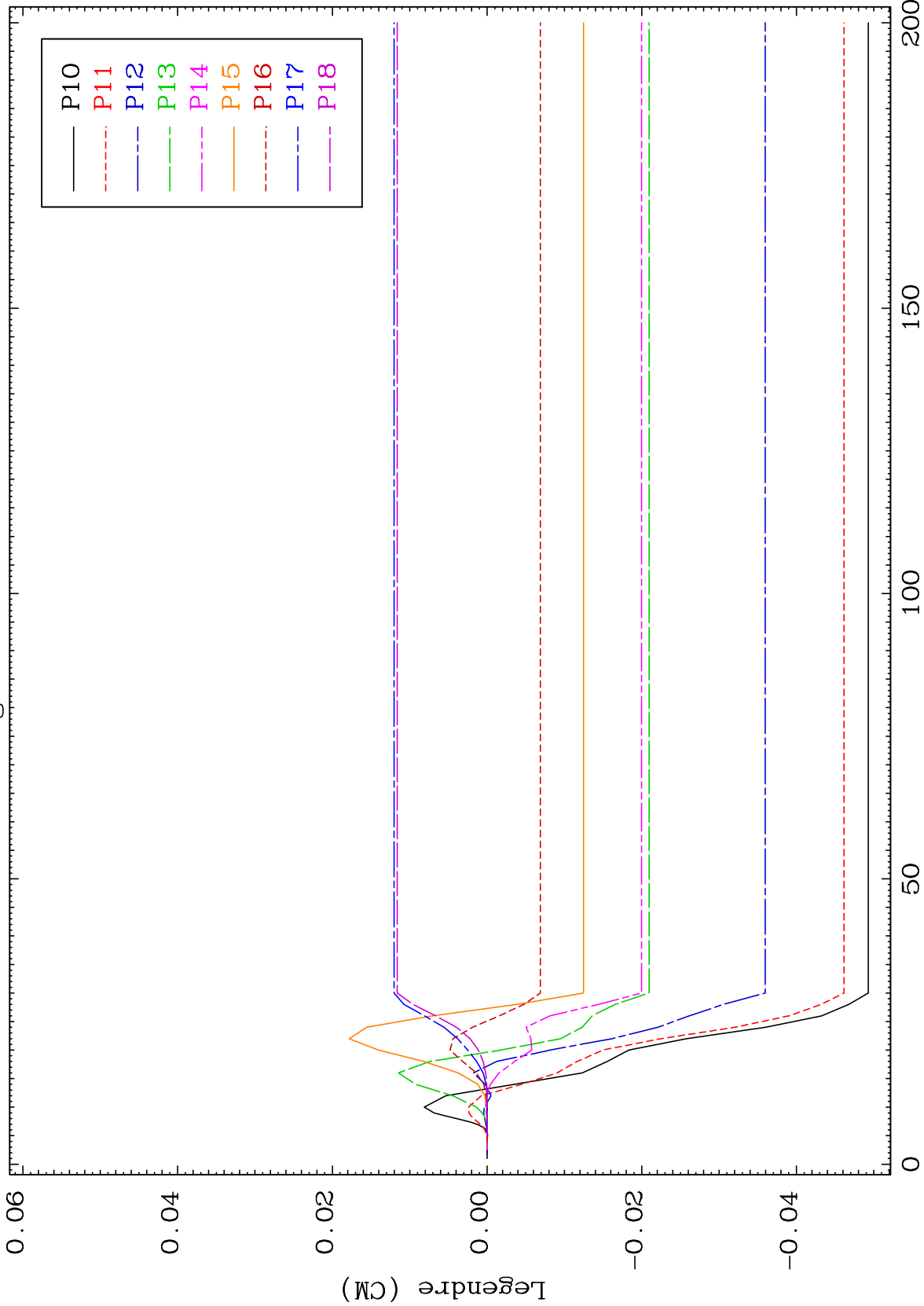
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



84

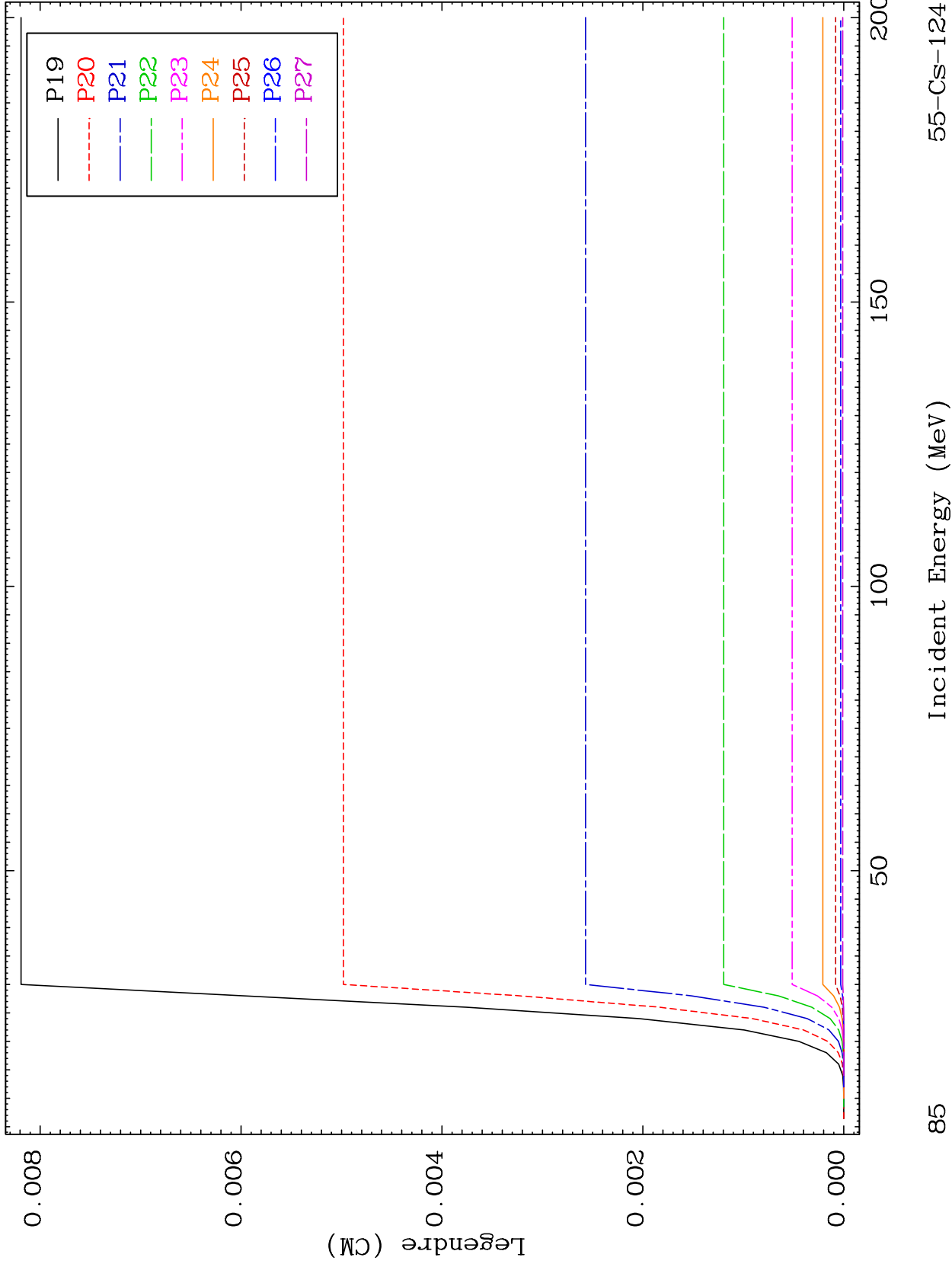
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



85

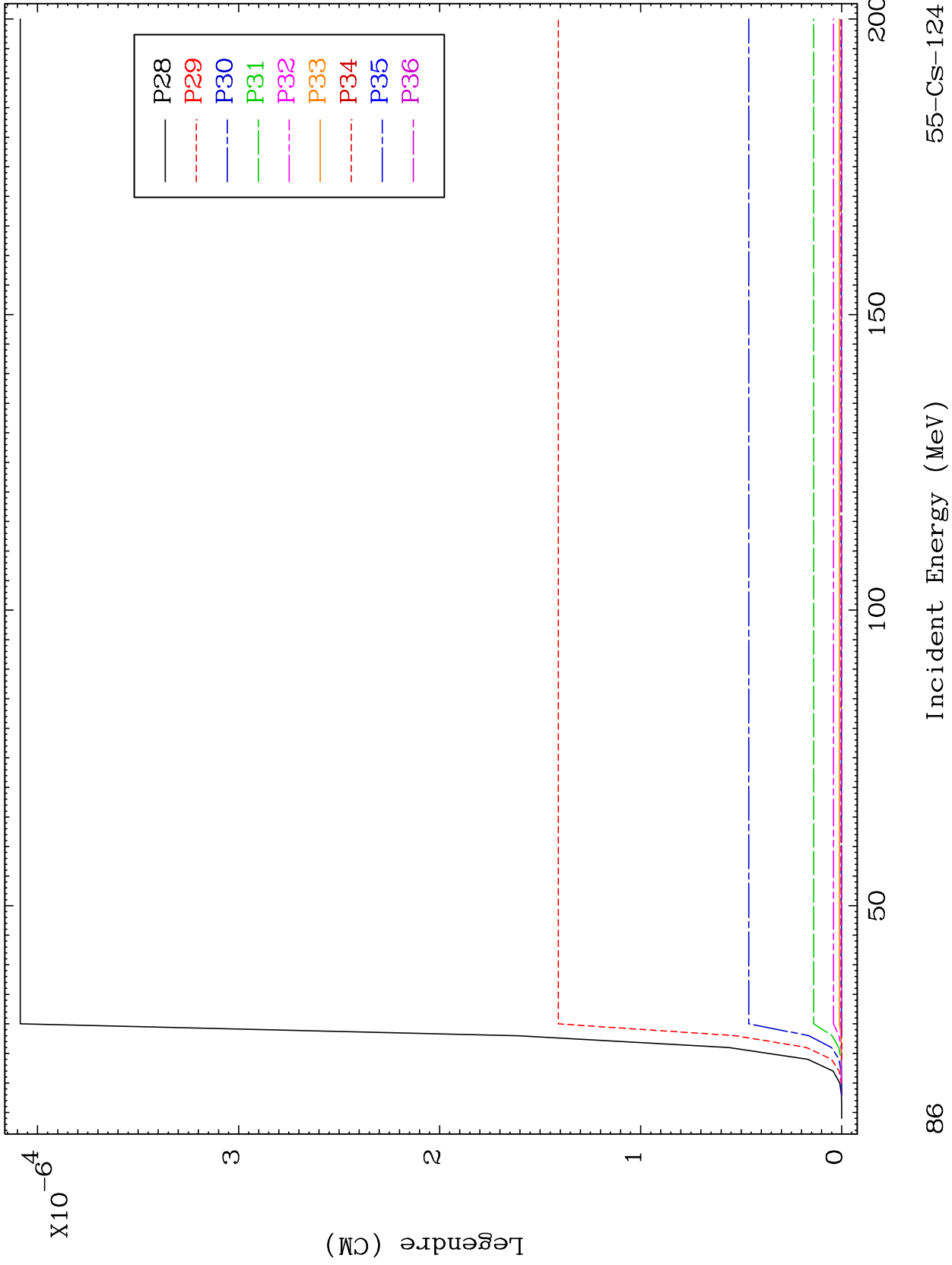
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

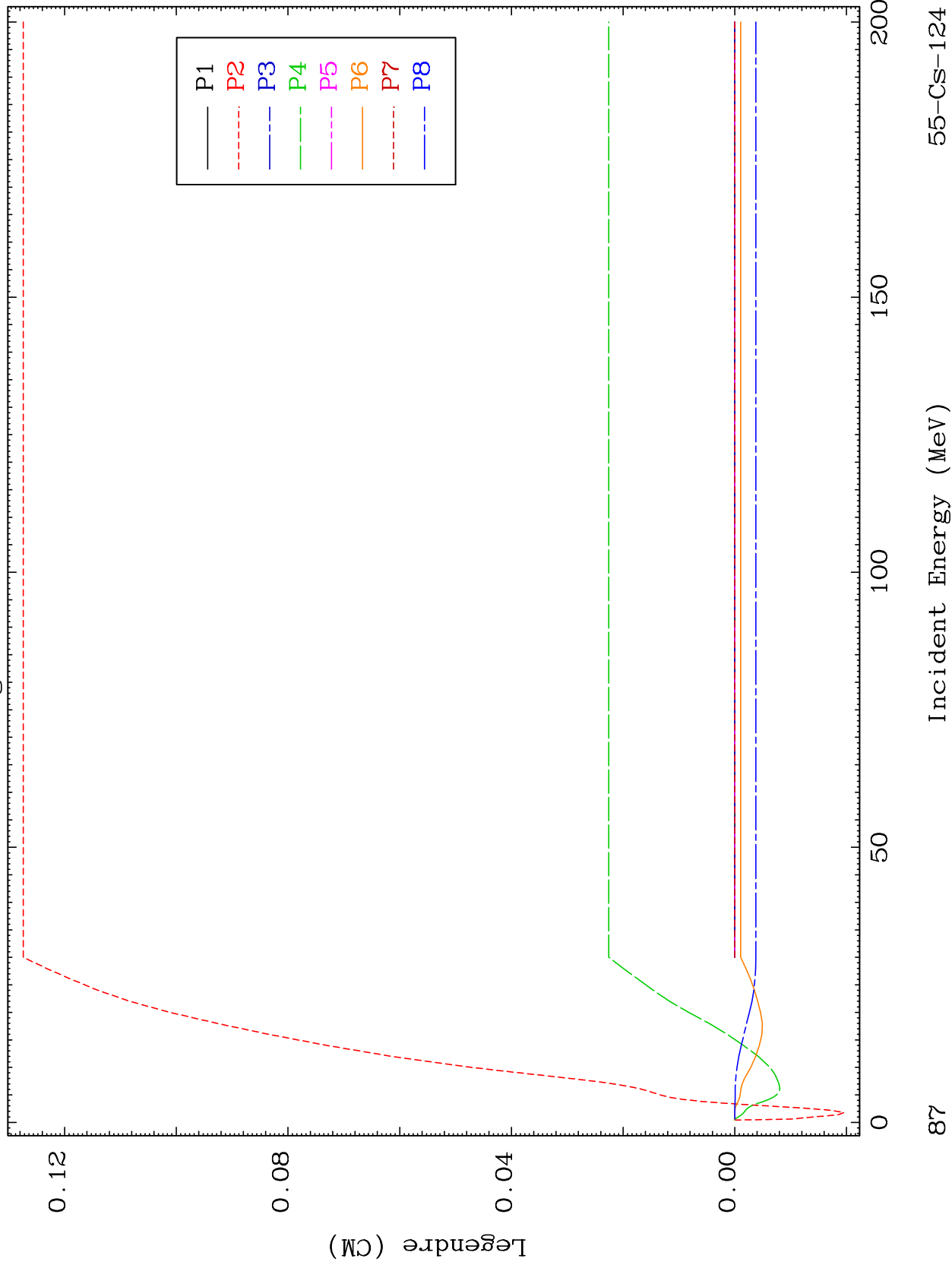
55-Cs-124



MAT 5498

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

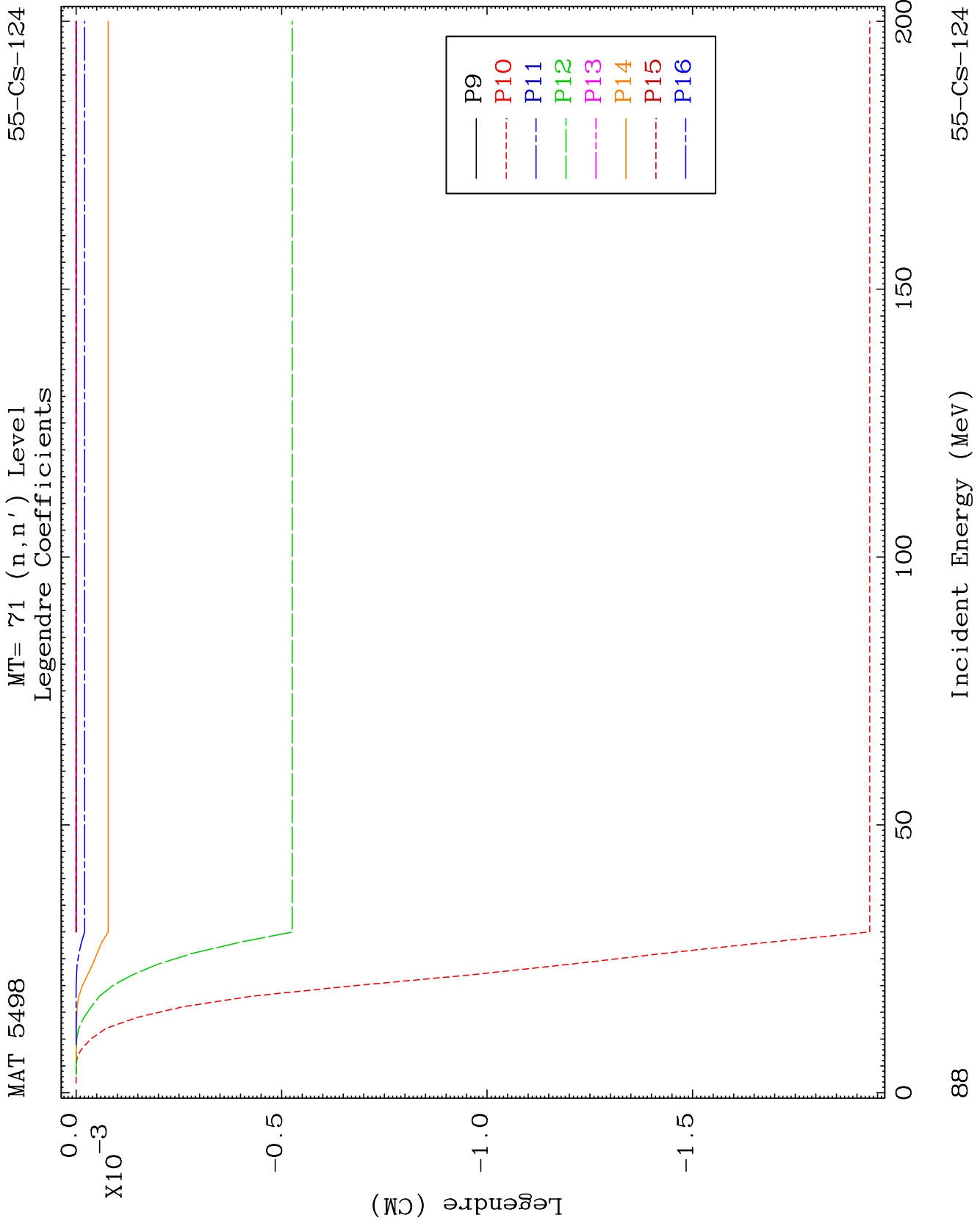
55-Cs-124



55-Cs-124

Incident Energy (MeV)

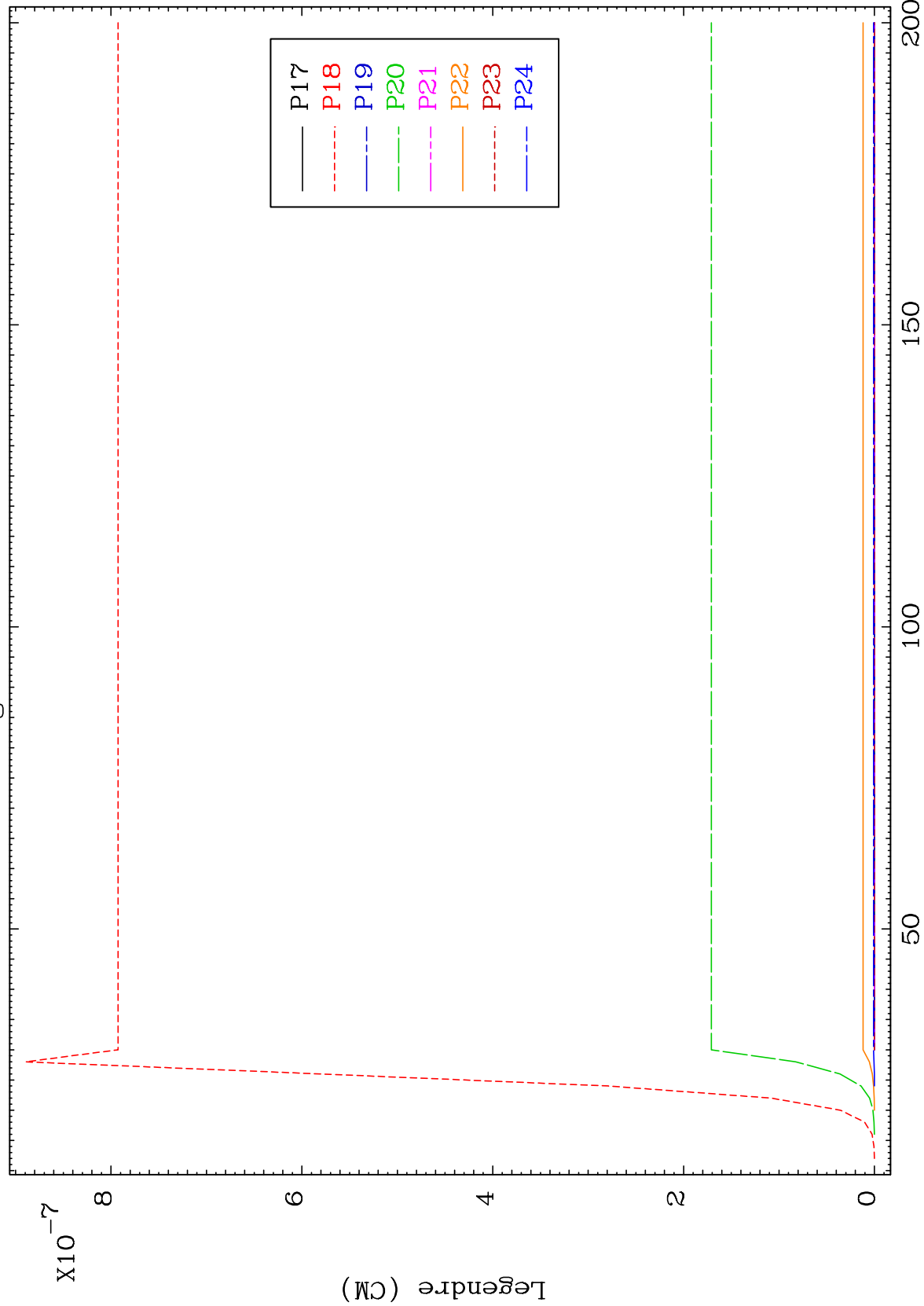
87



MAT 5498

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

55-Cs-124



89

Incident Energy (MeV)

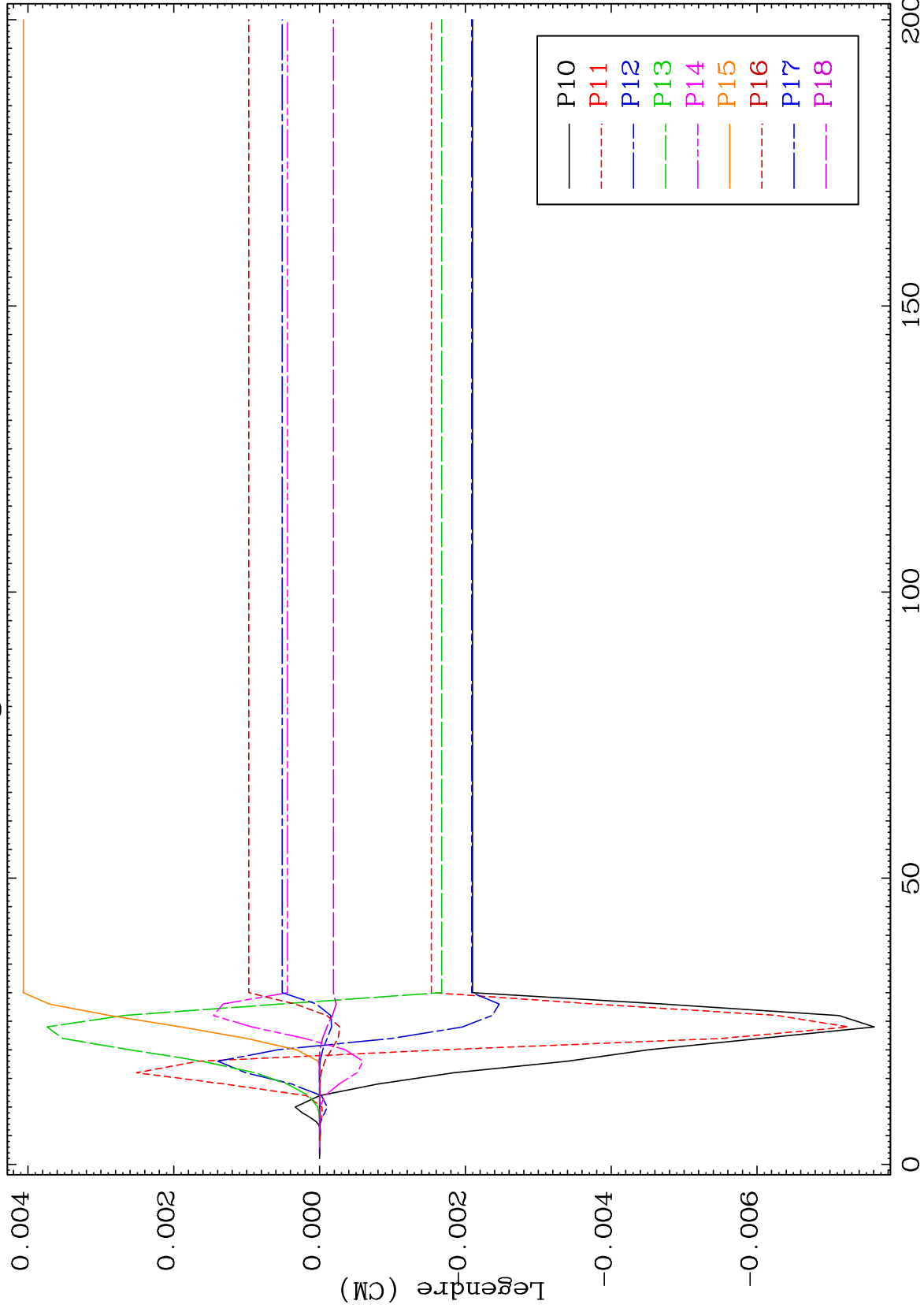
55-Cs-124



MAT 5498

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

55-Cs-124



91

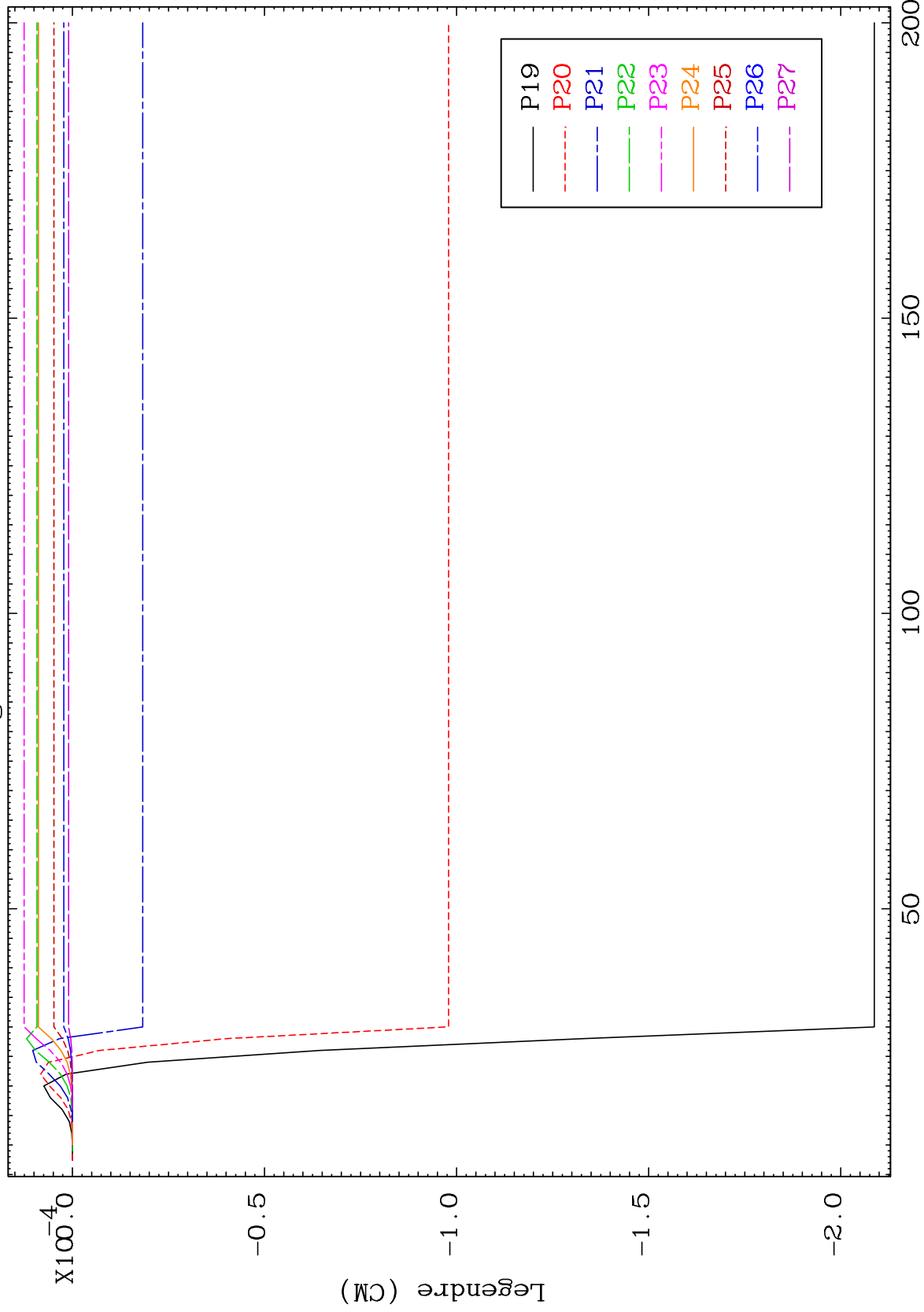
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

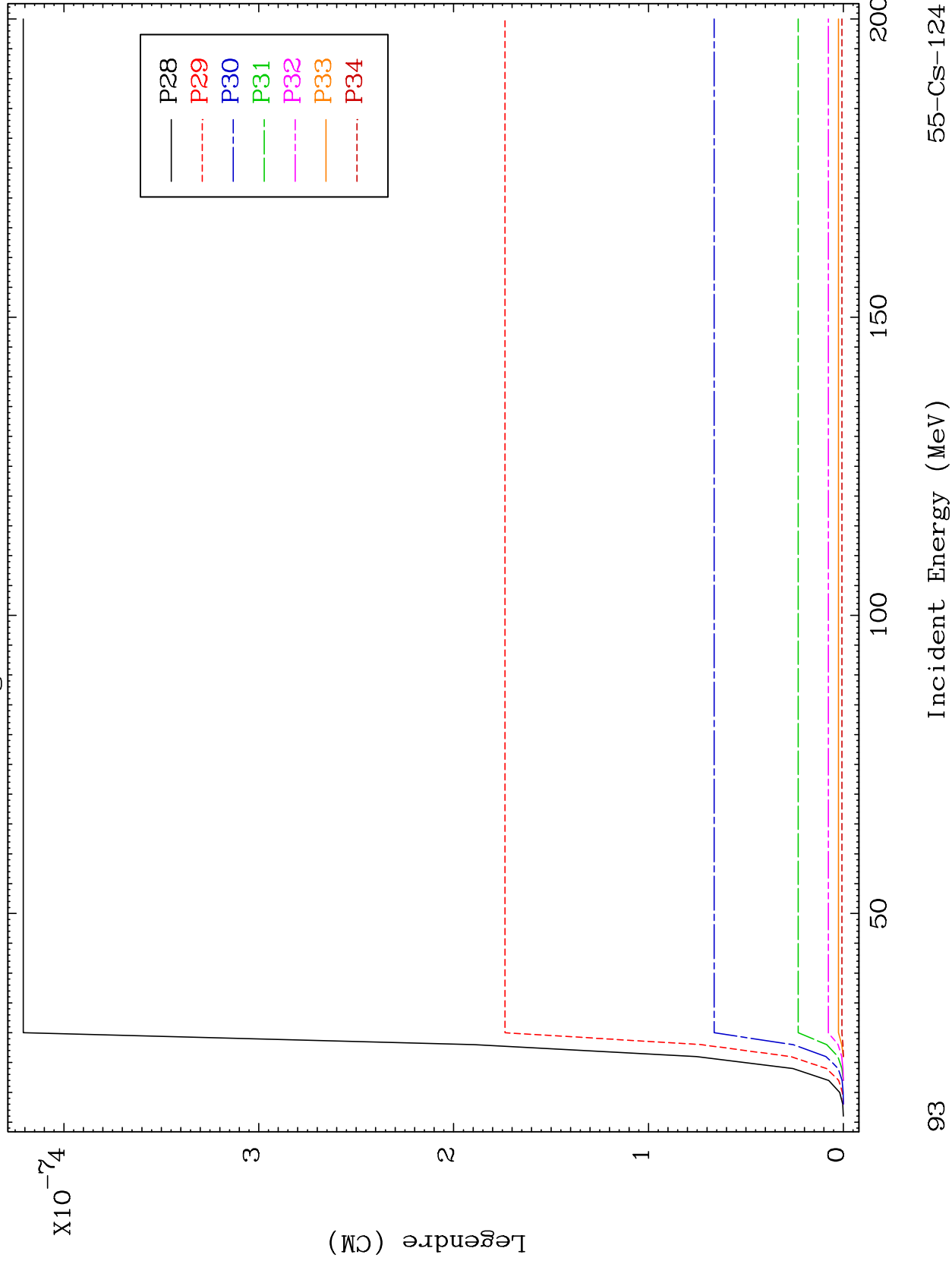
55-Cs-124



MAT 5498

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

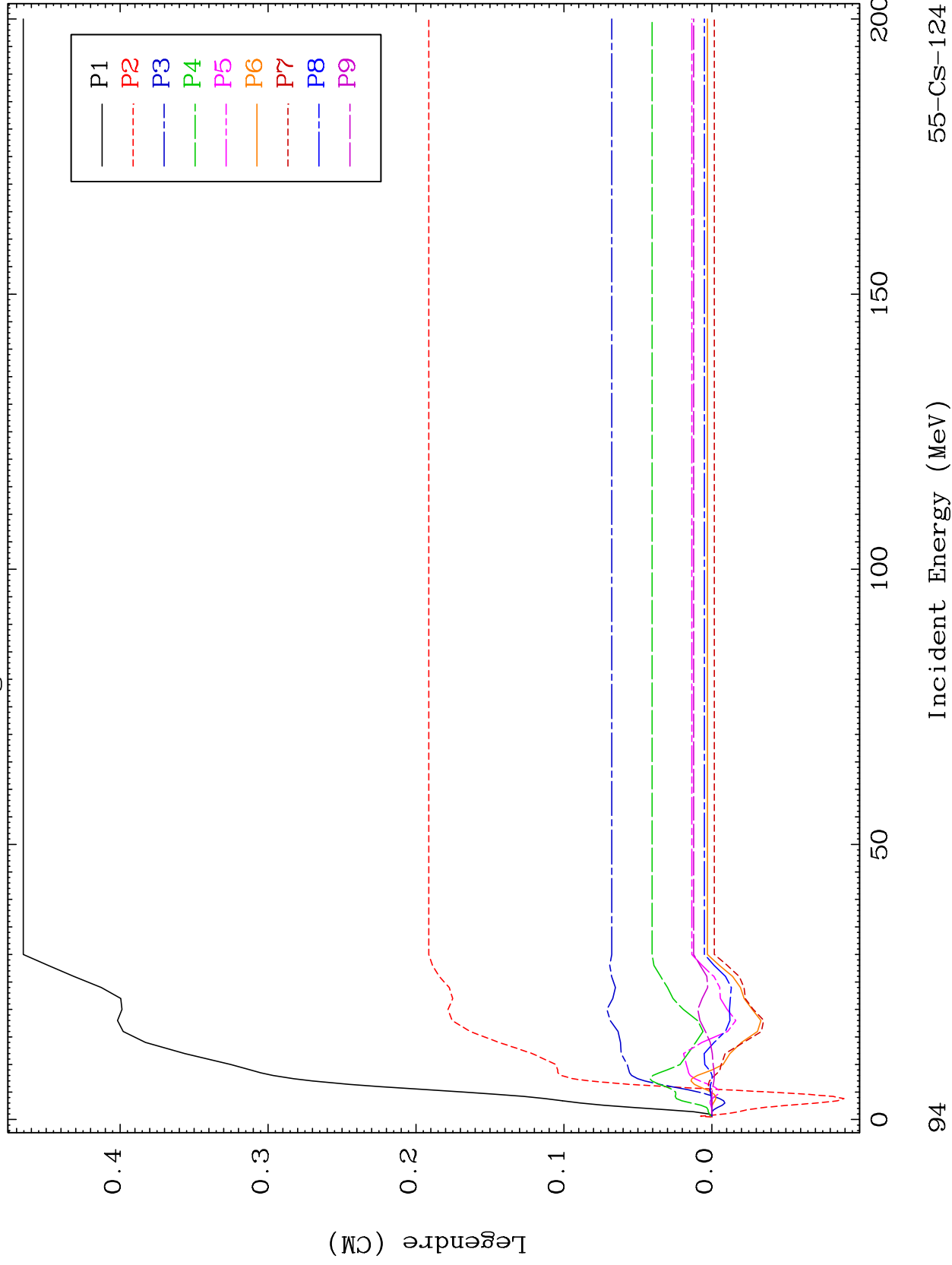
55-Cs-124



MAT 5498

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

55-Cs-124



94

Incident Energy (MeV)

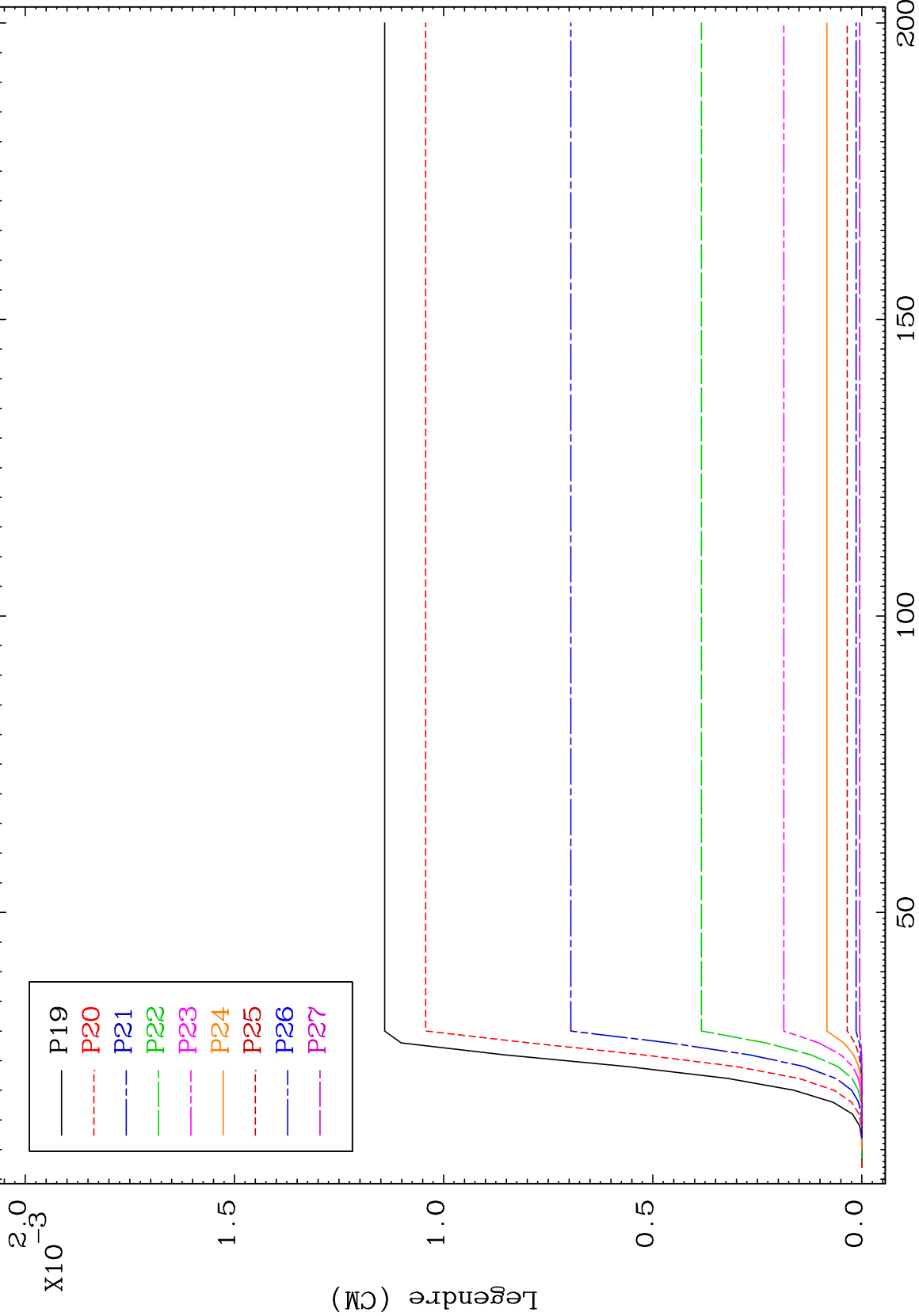
55-Cs-124



MAT 5498

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

55-Cs-124



96

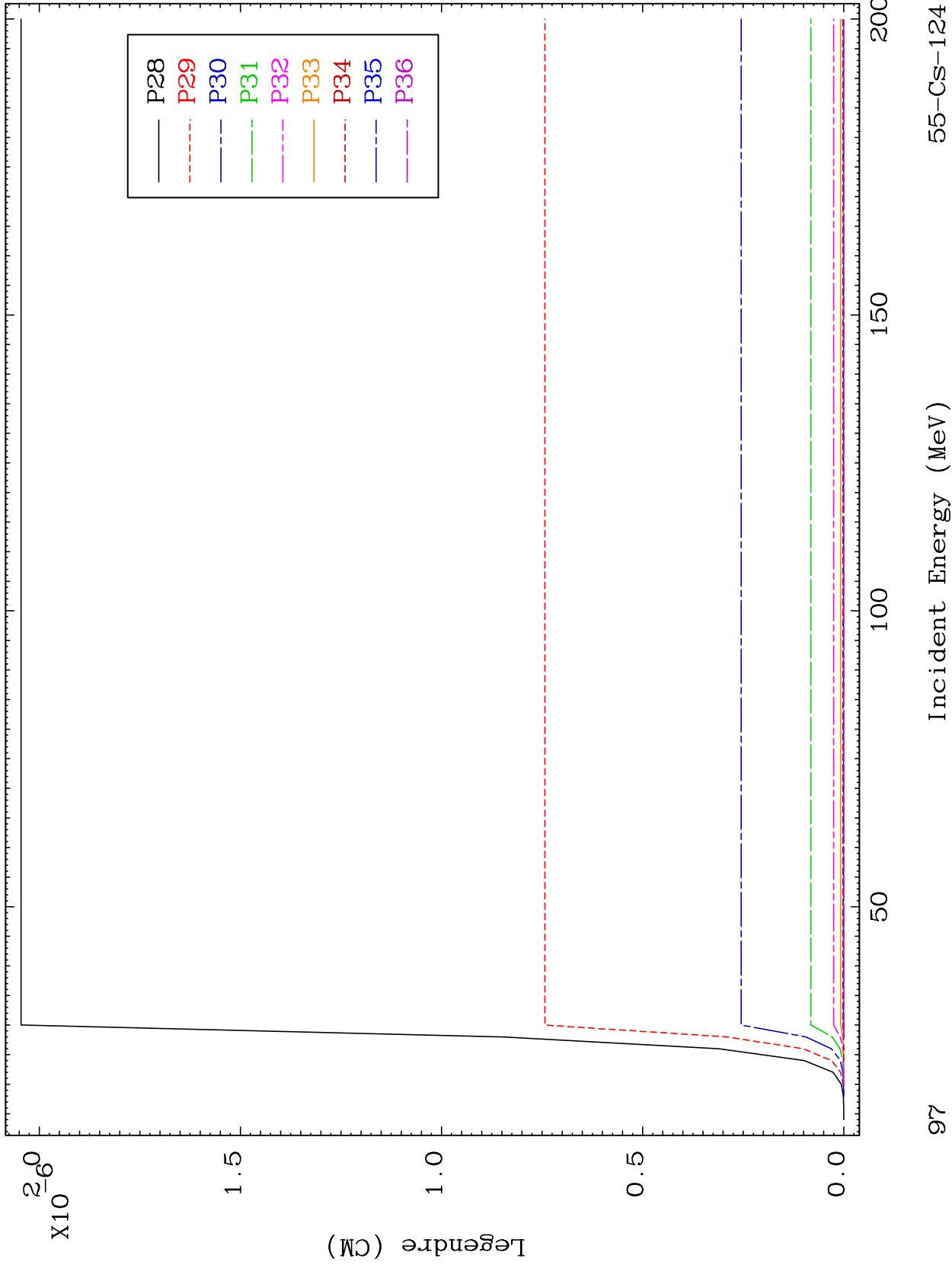
Incident Energy (MeV)

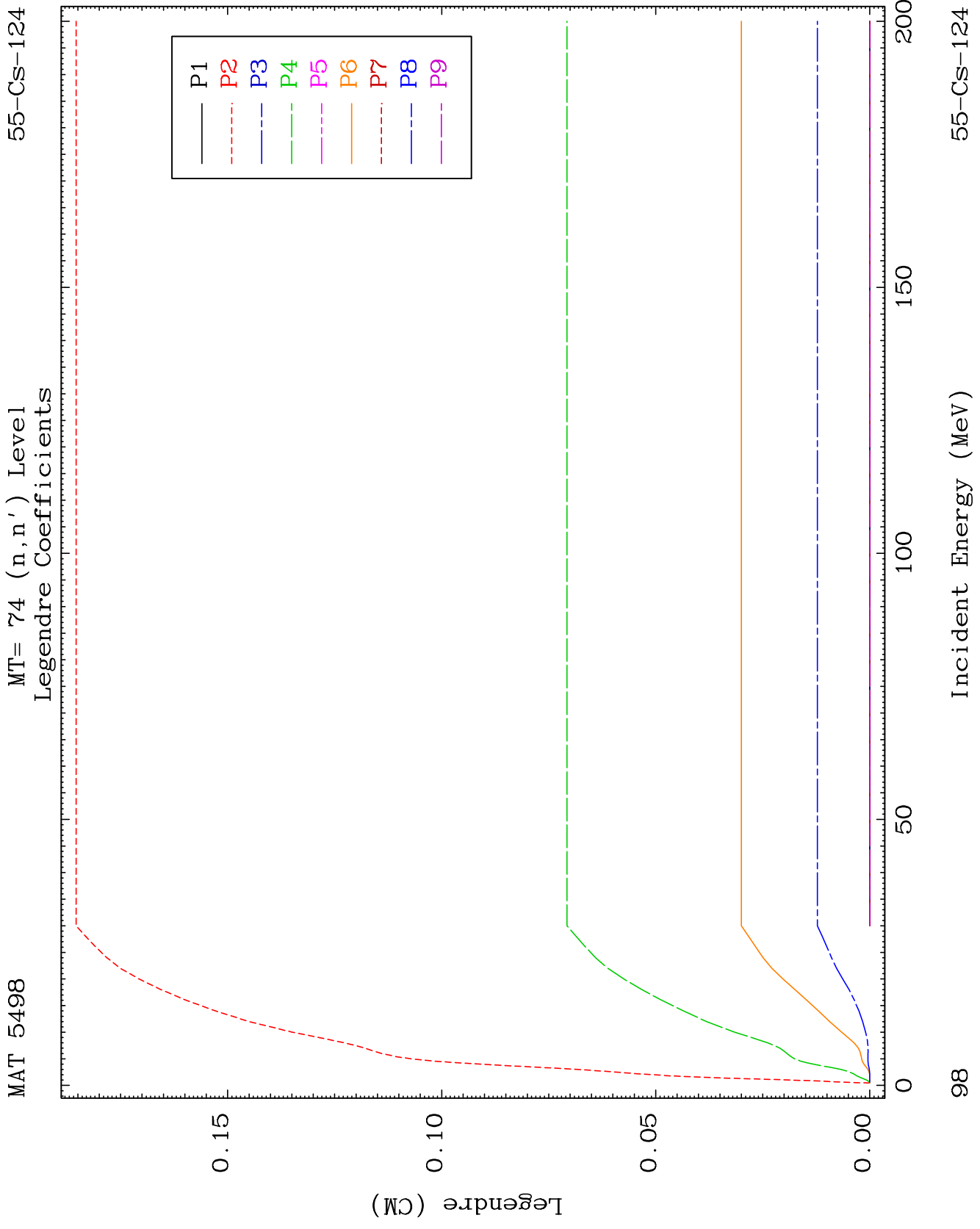
55-Cs-124

MAT 5498

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

55-Cs-124

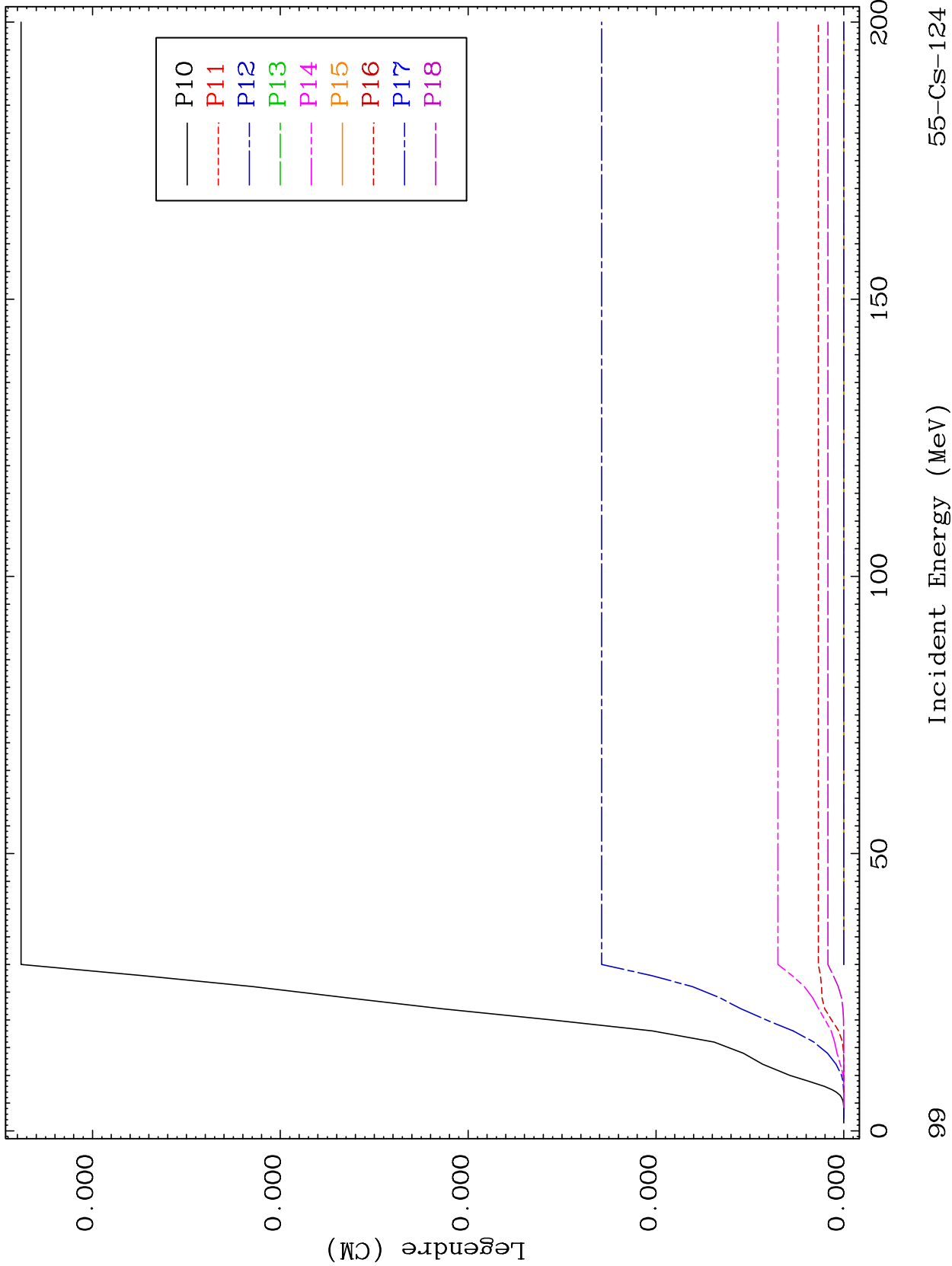




MAT 5498

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

55-Cs-124



99

Incident Energy (MeV)

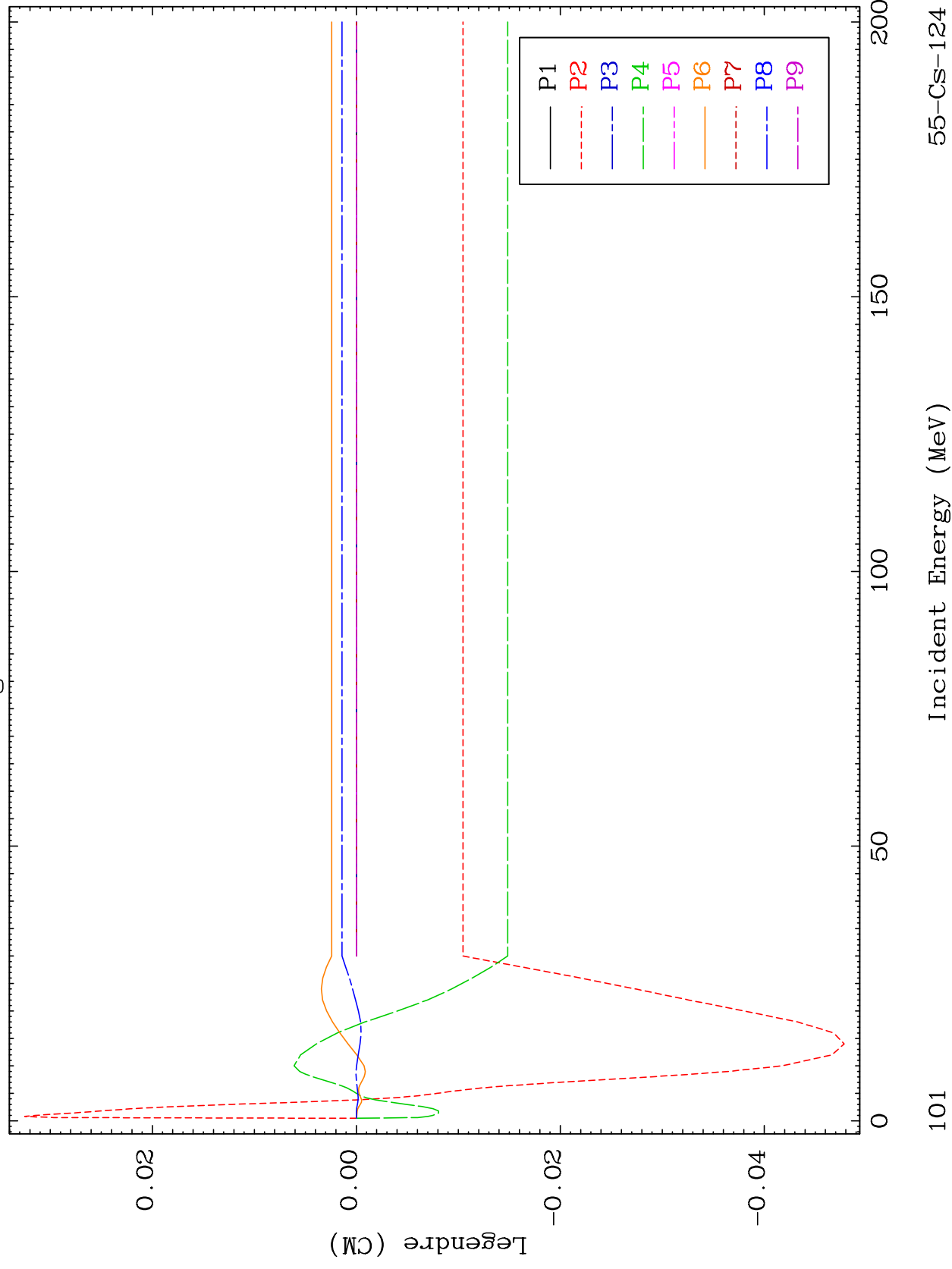
55-Cs-124



MAT 5498

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

55-Cs-124



101

Incident Energy (MeV)

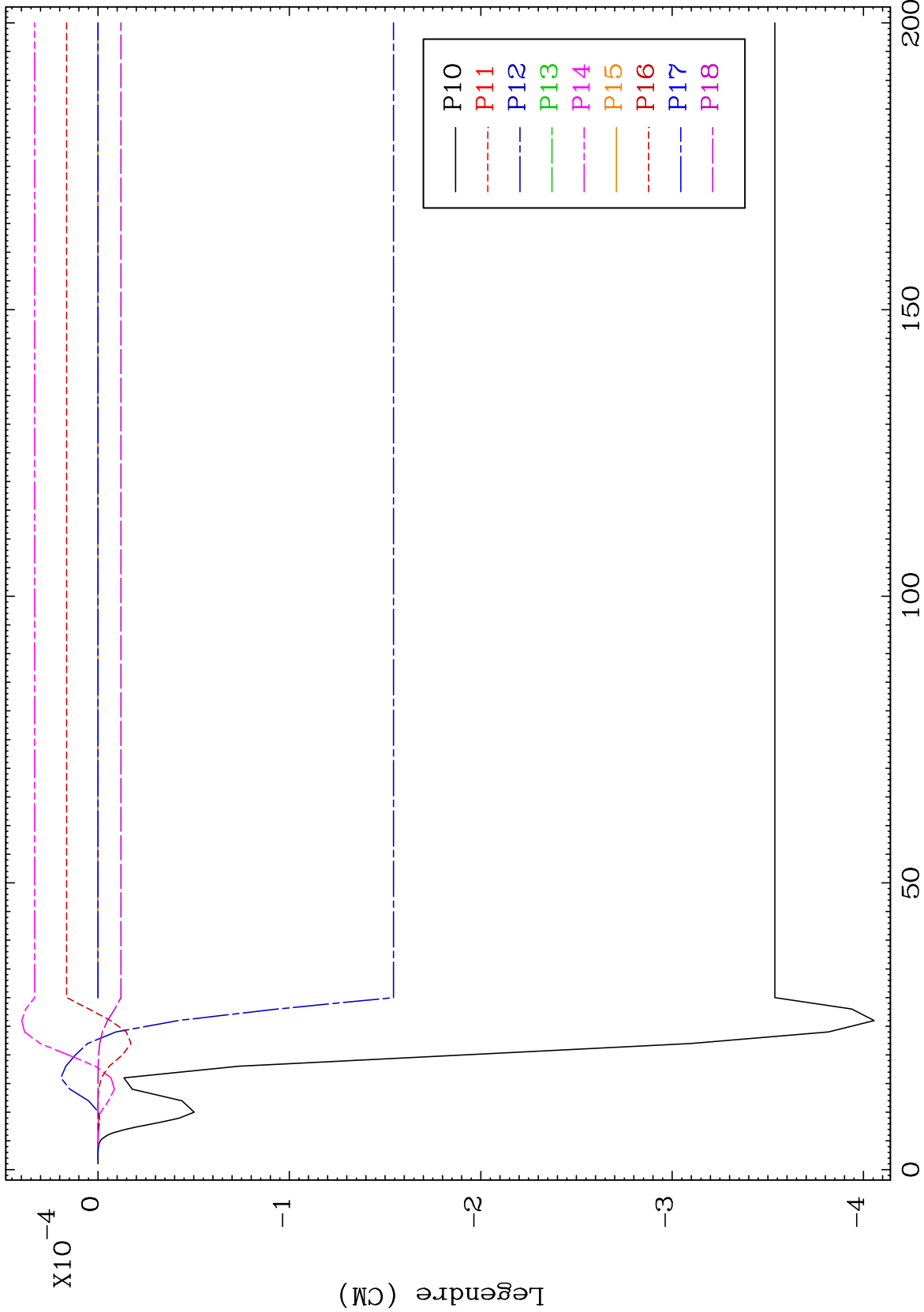
55-Cs-124

MAT 5498

MT= 75 (n,n') Level

55-Cs-124

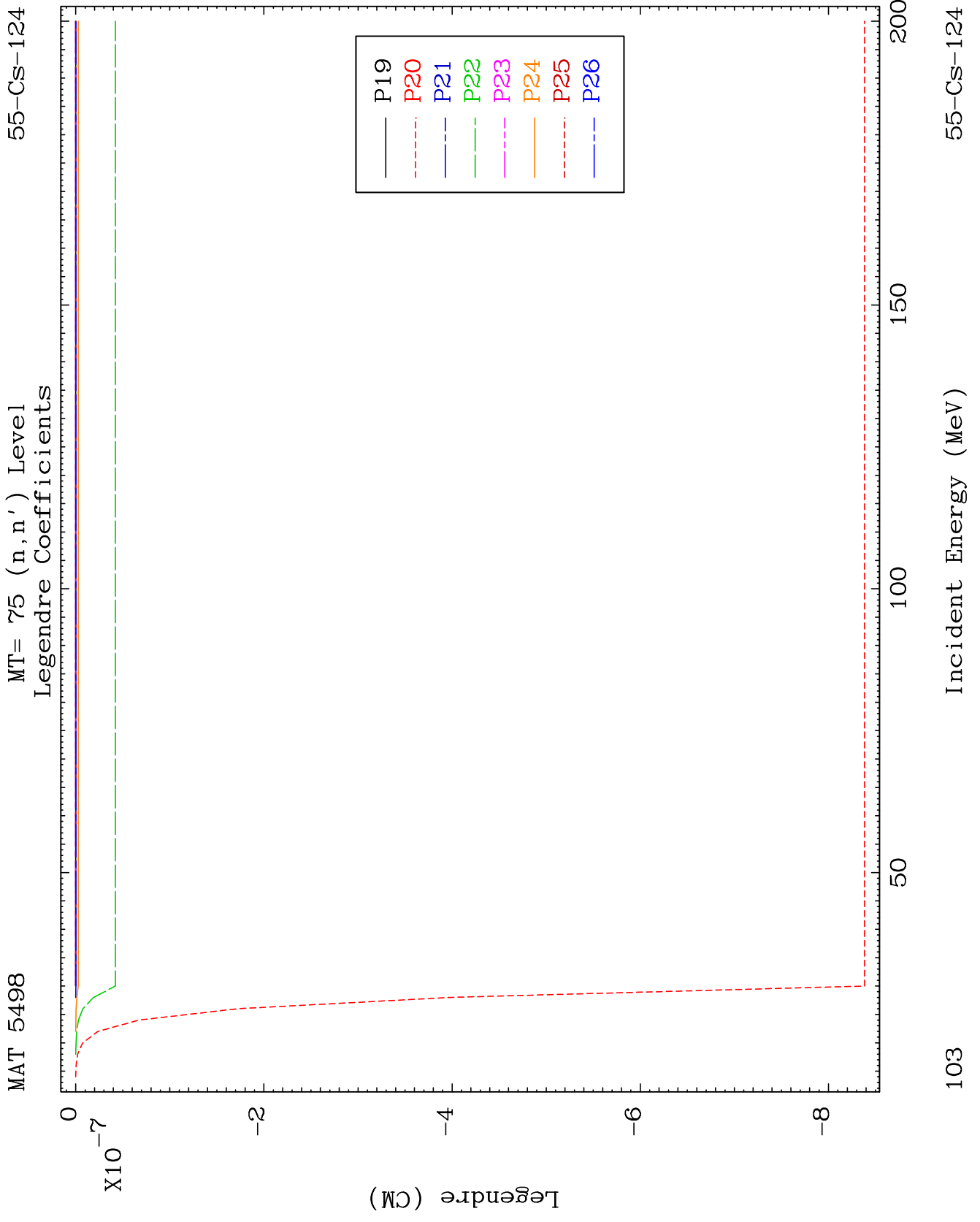
Legendre Coefficients



102

Incident Energy (MeV)

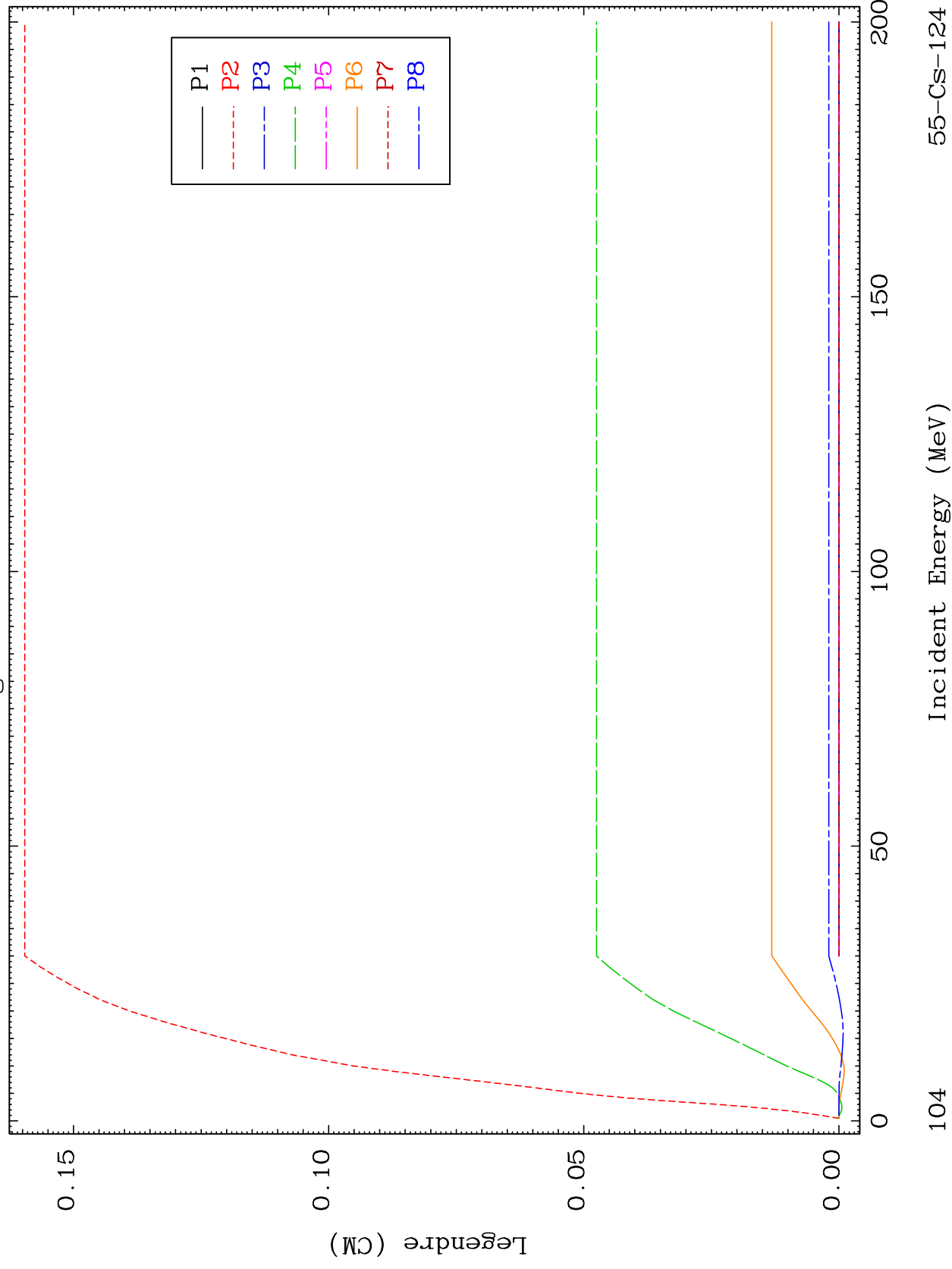
55-Cs-124



MAT 5498

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

55-Cs-124



55-Cs-124

Incident Energy (MeV)

104

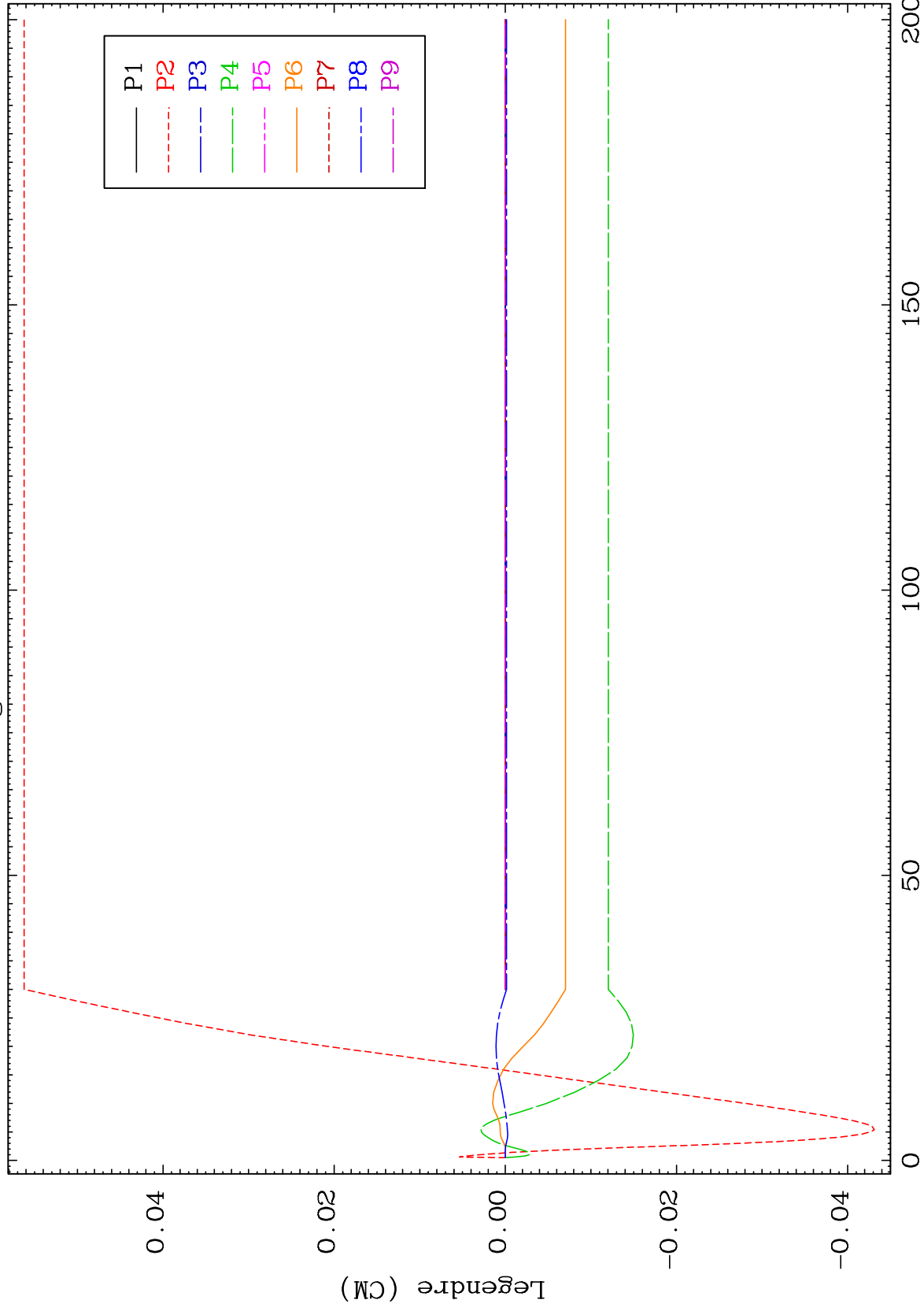




MAT 5498

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

55-Cs-124



55-Cs-124

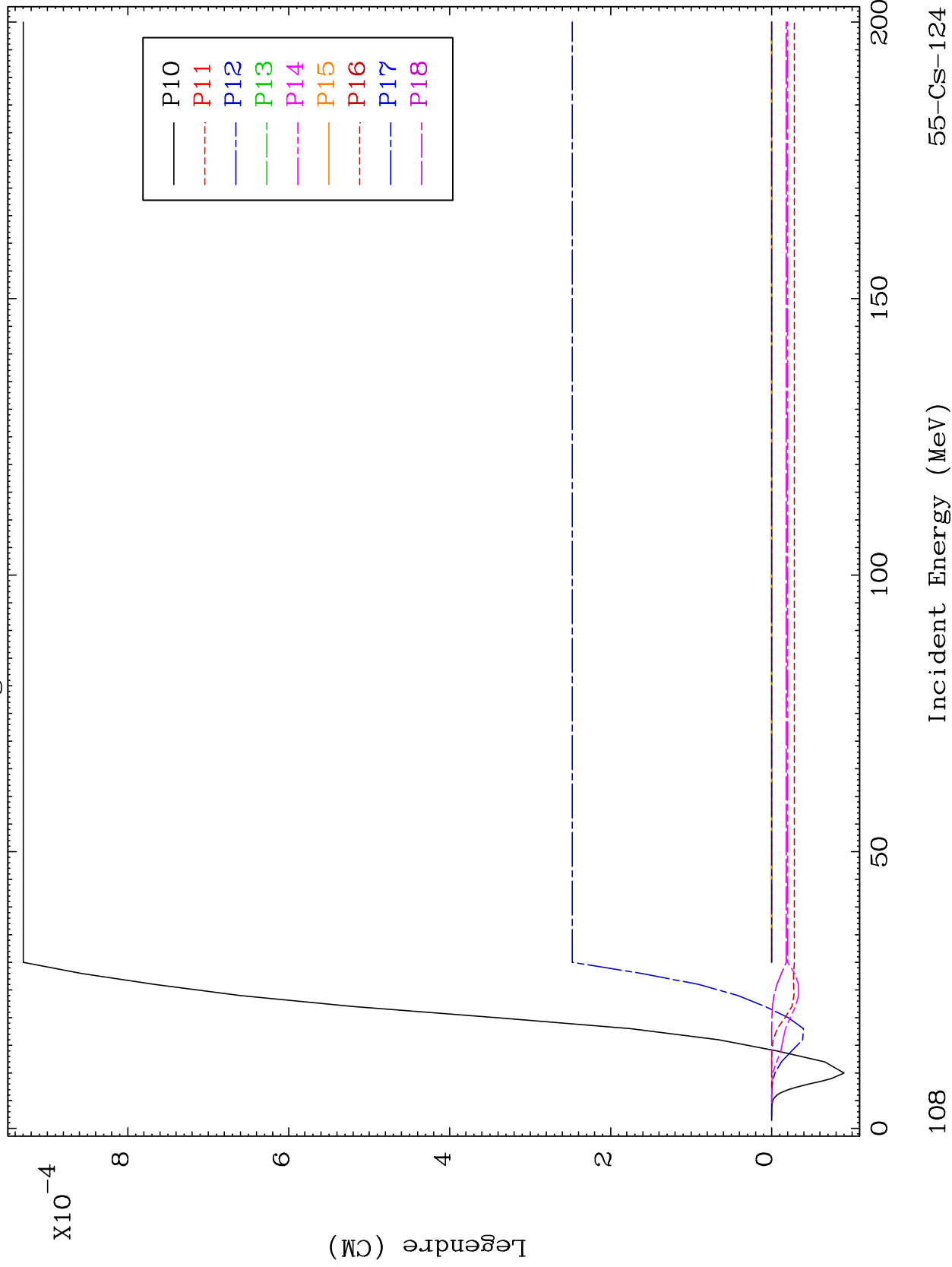
Incident Energy (MeV)

107

MAT 5498

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

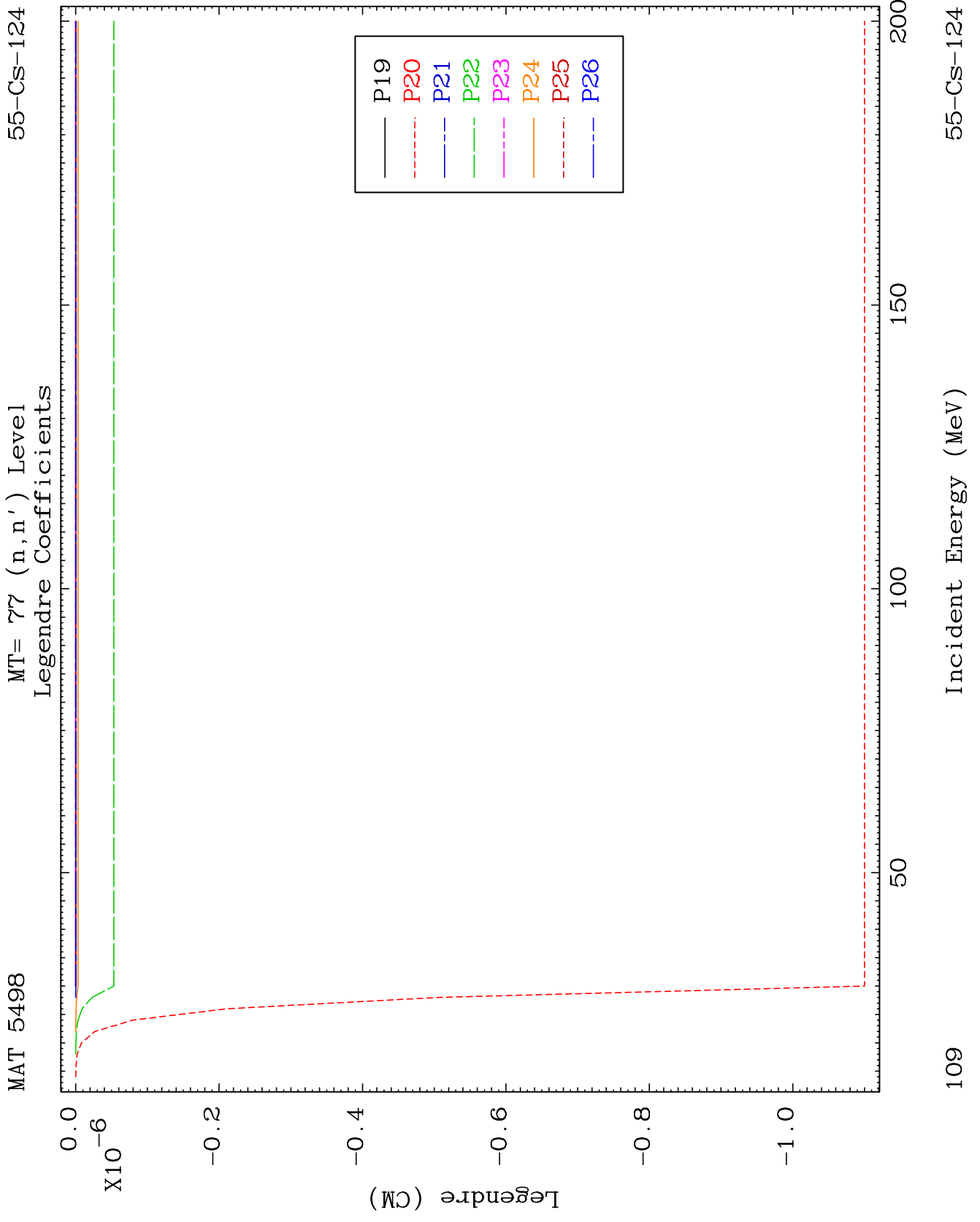
55-Cs-124



55-Cs-124

Incident Energy (MeV)

108

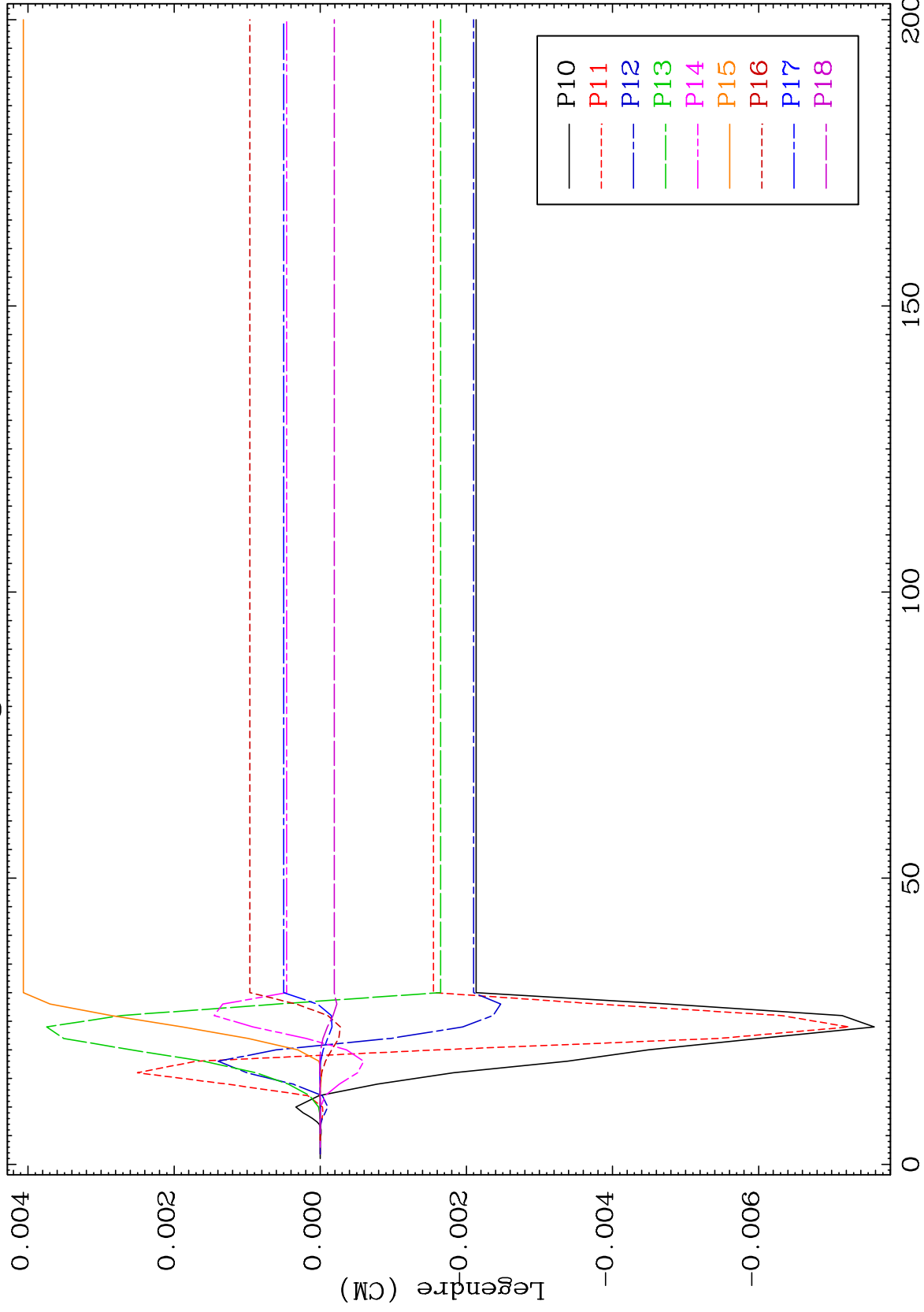




MAT 5498

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

55-Cs-124



111

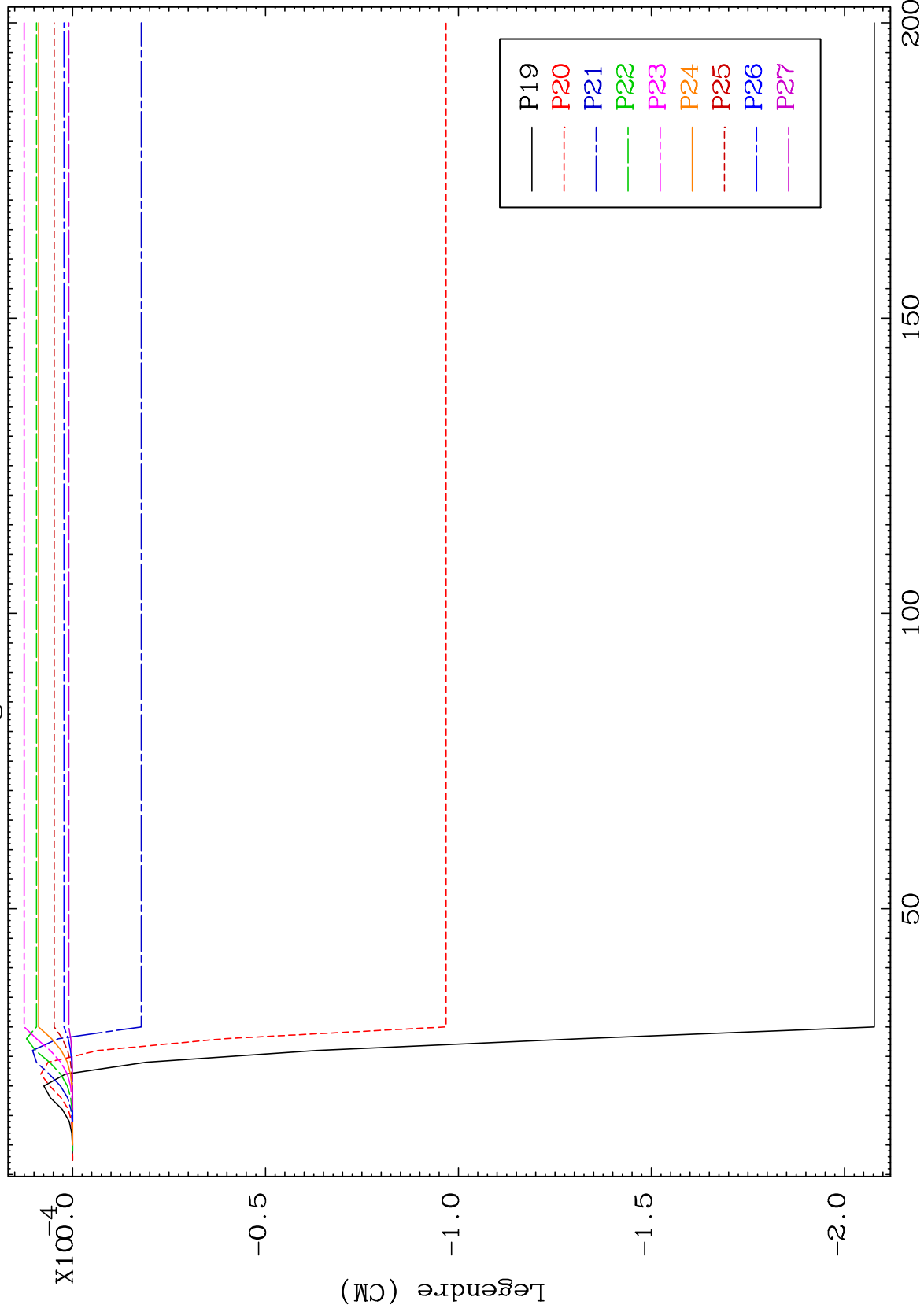
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



112

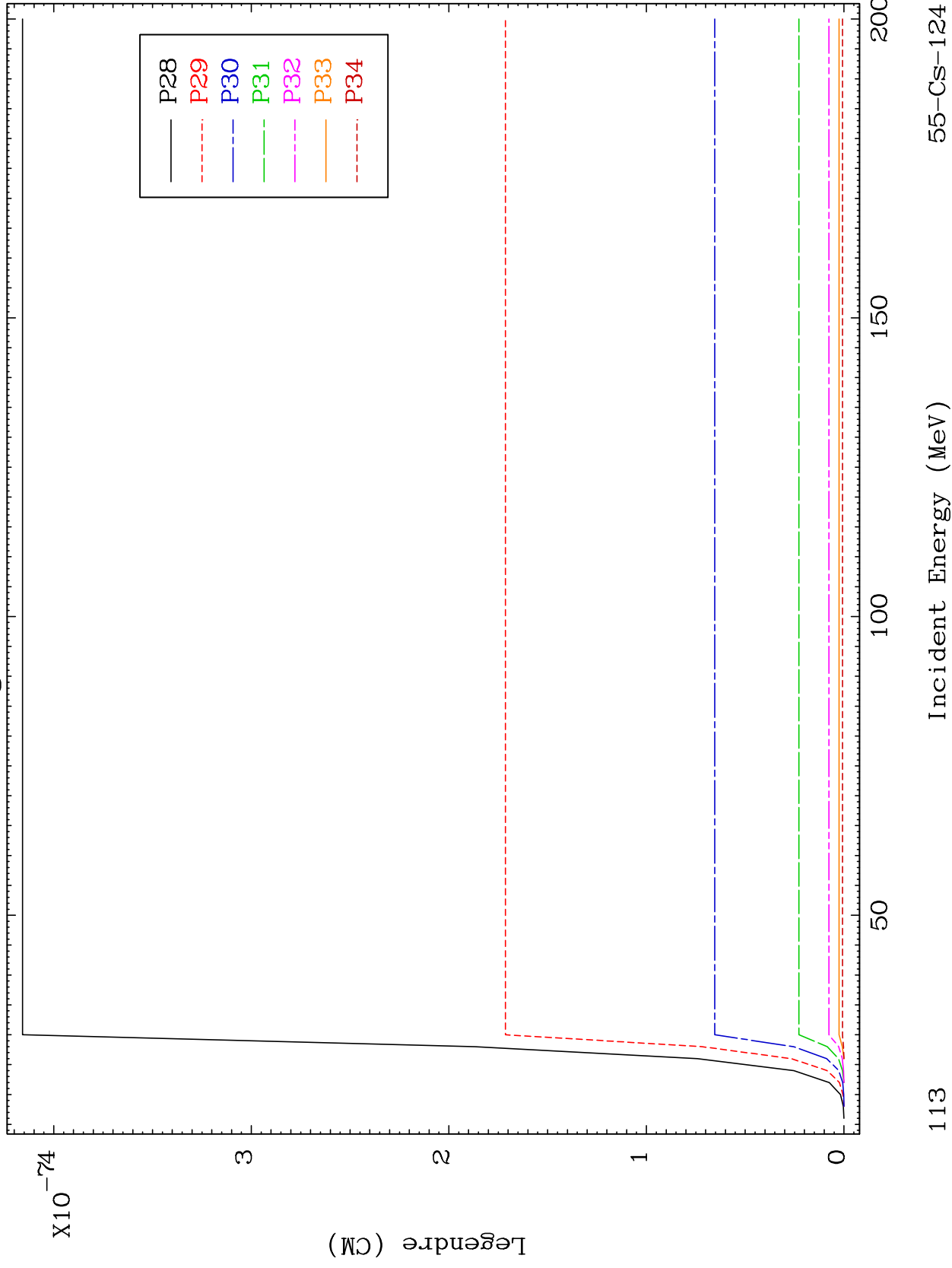
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124

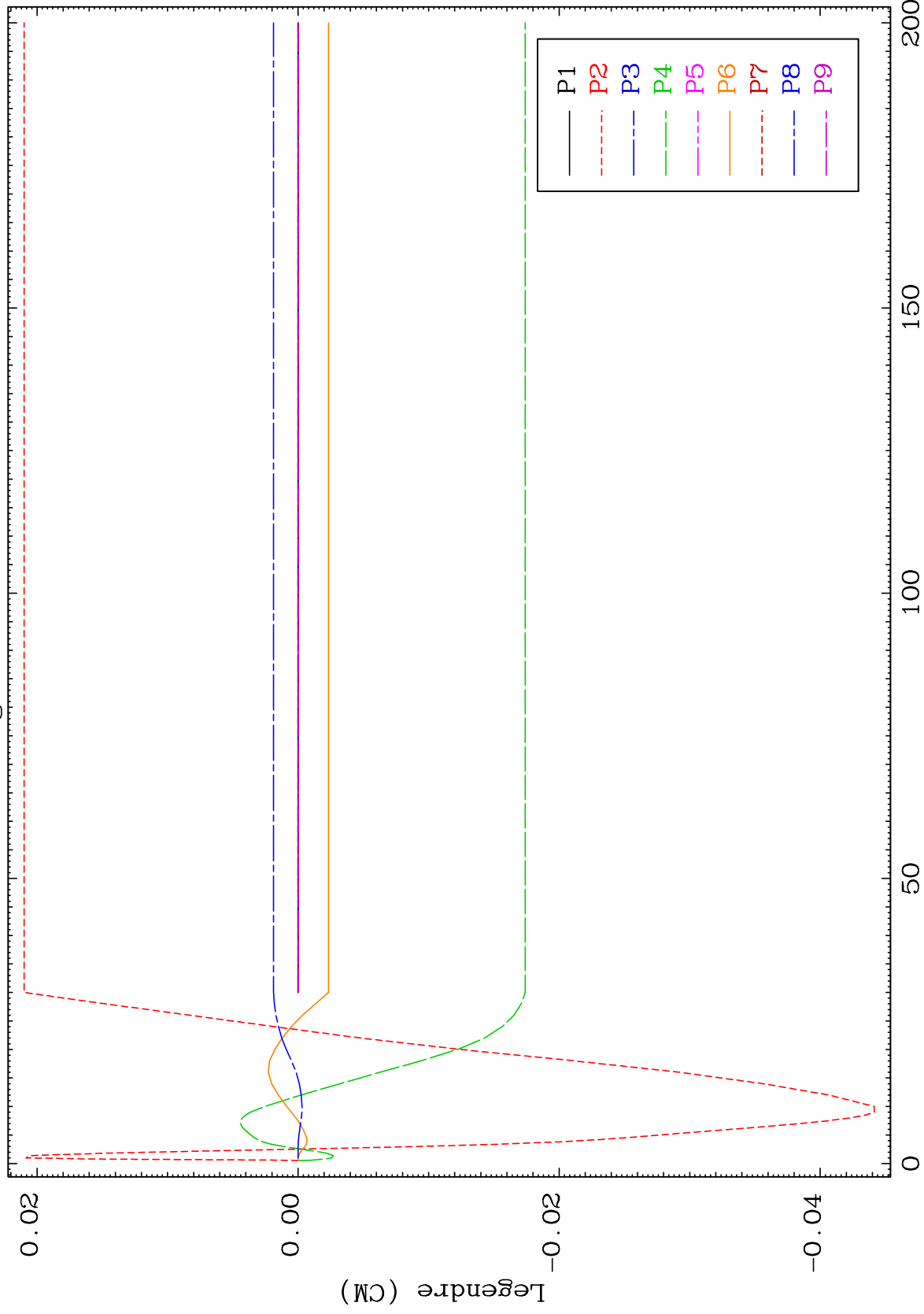


113

MAT 5498

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

55-Cs-124



114

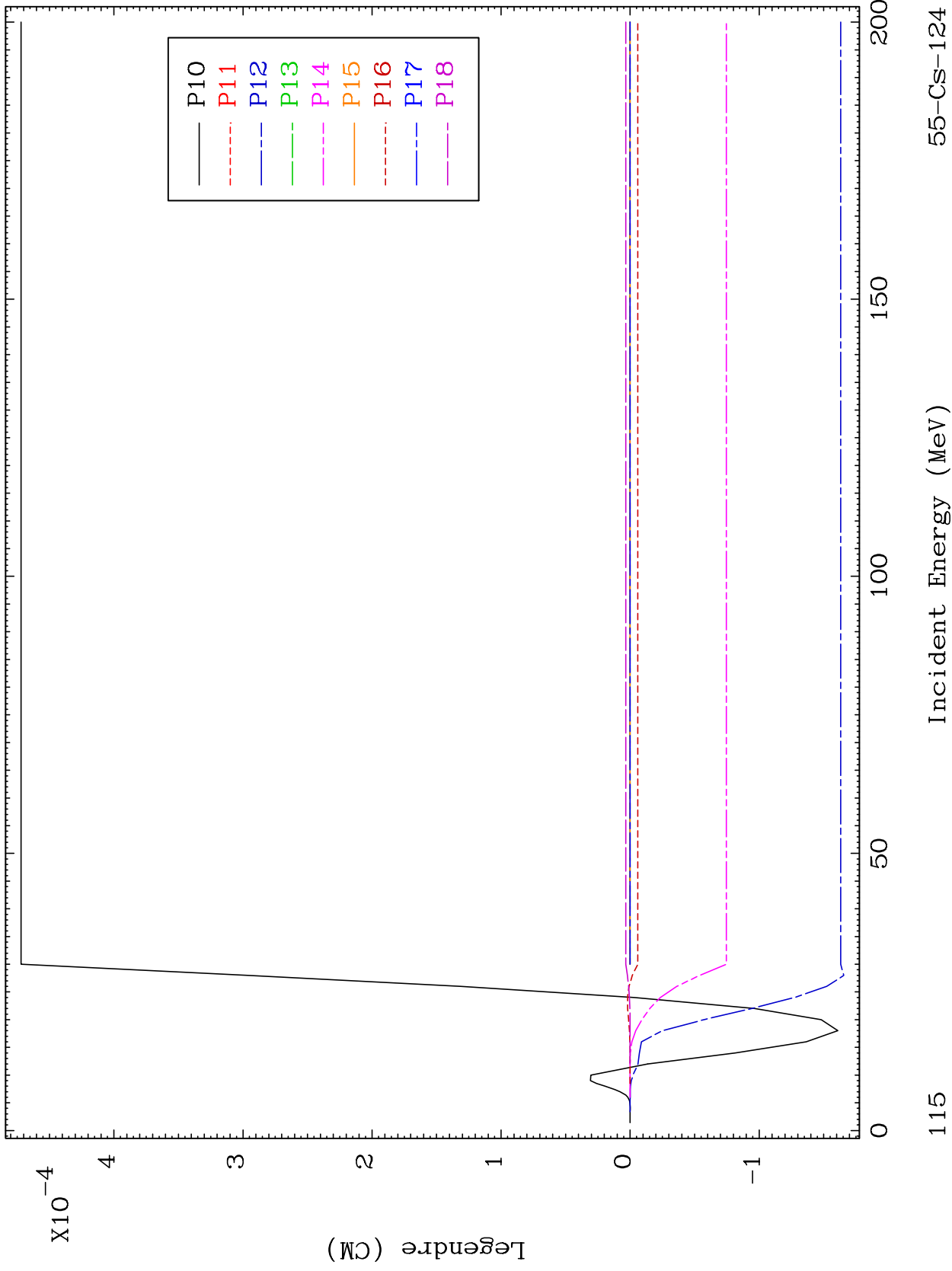
Incident Energy (MeV)

55-Cs-124

MAT 5498

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

55-Cs-124



55-Cs-124

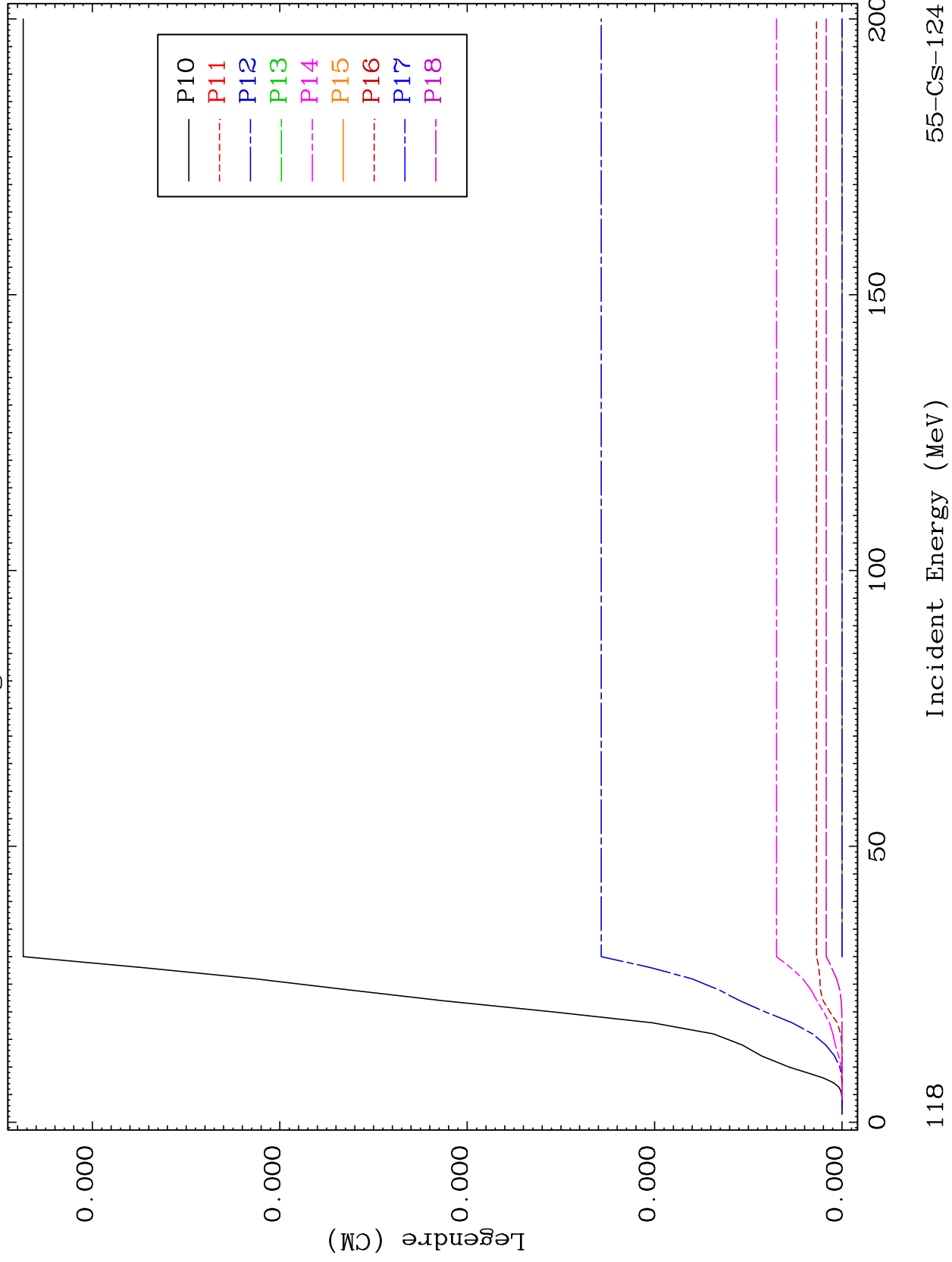


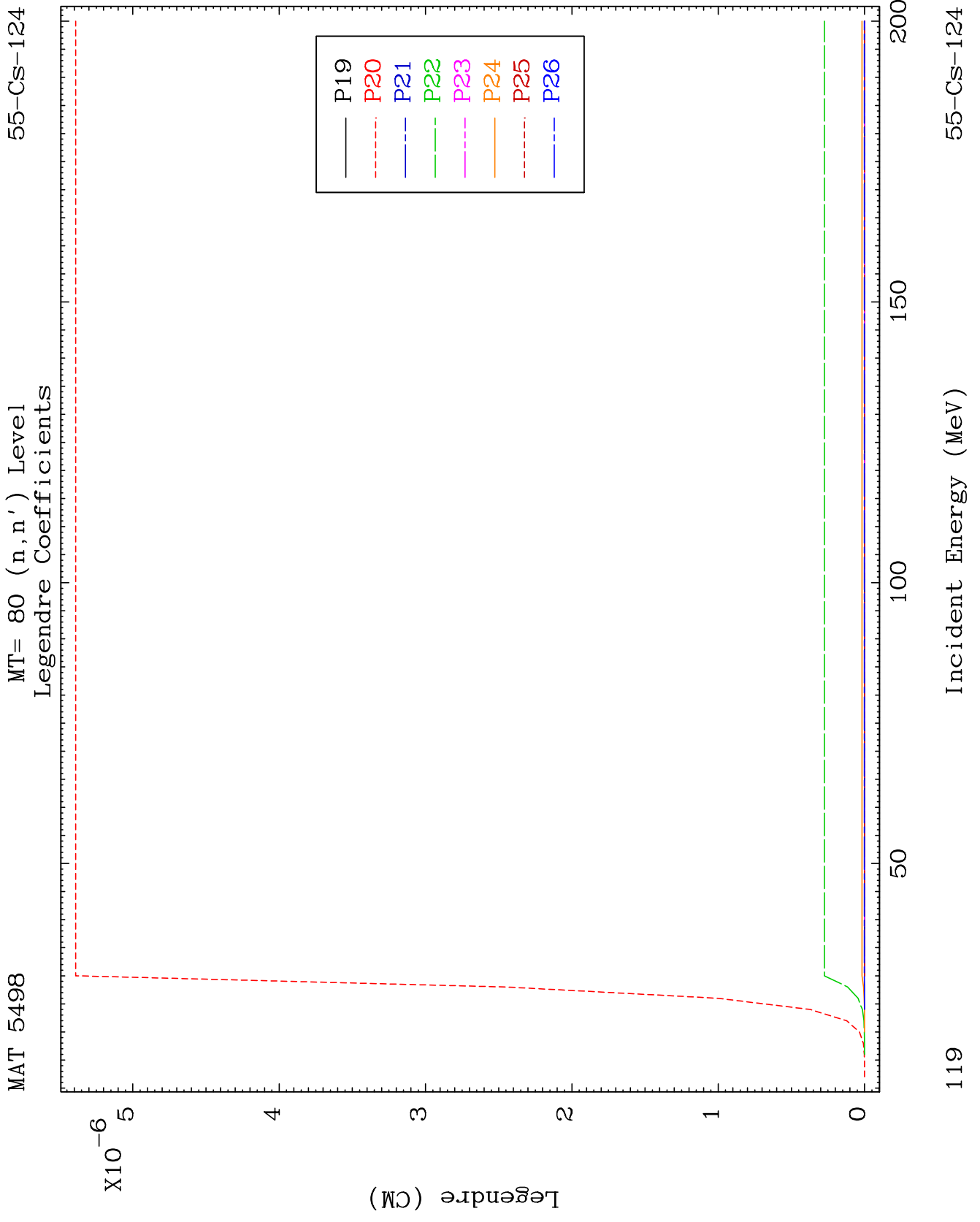


MAT 5498

MT= 80 (n,n') Level  
Legendre Coefficients

55-Cs-124

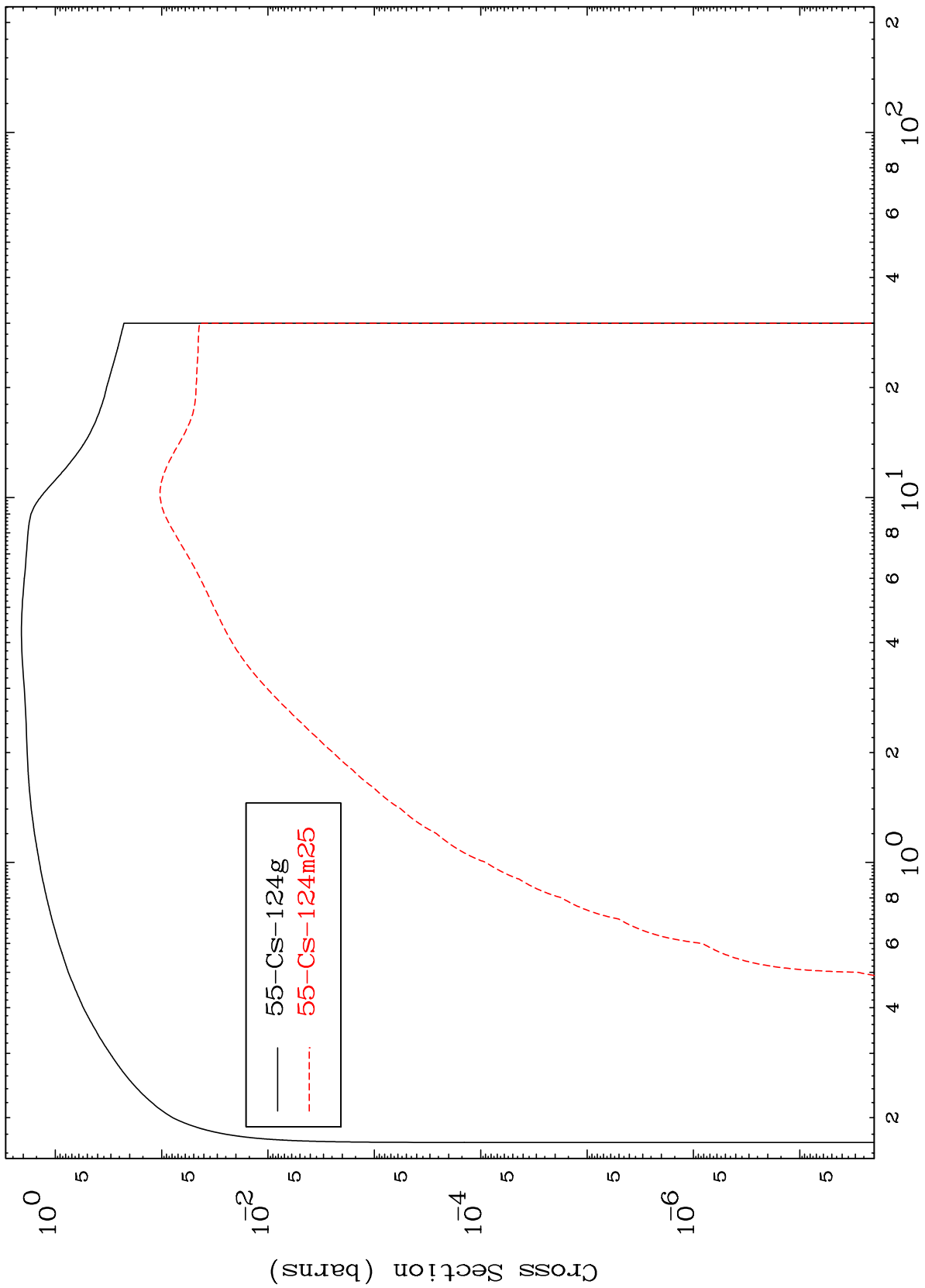




MAT 5498

55-Cs-124

Inelastic  
Radionuclide Production Cross Section



— 55-Cs-124g  
- - - 55-Cs-124m25

120

Incident Energy (MeV)

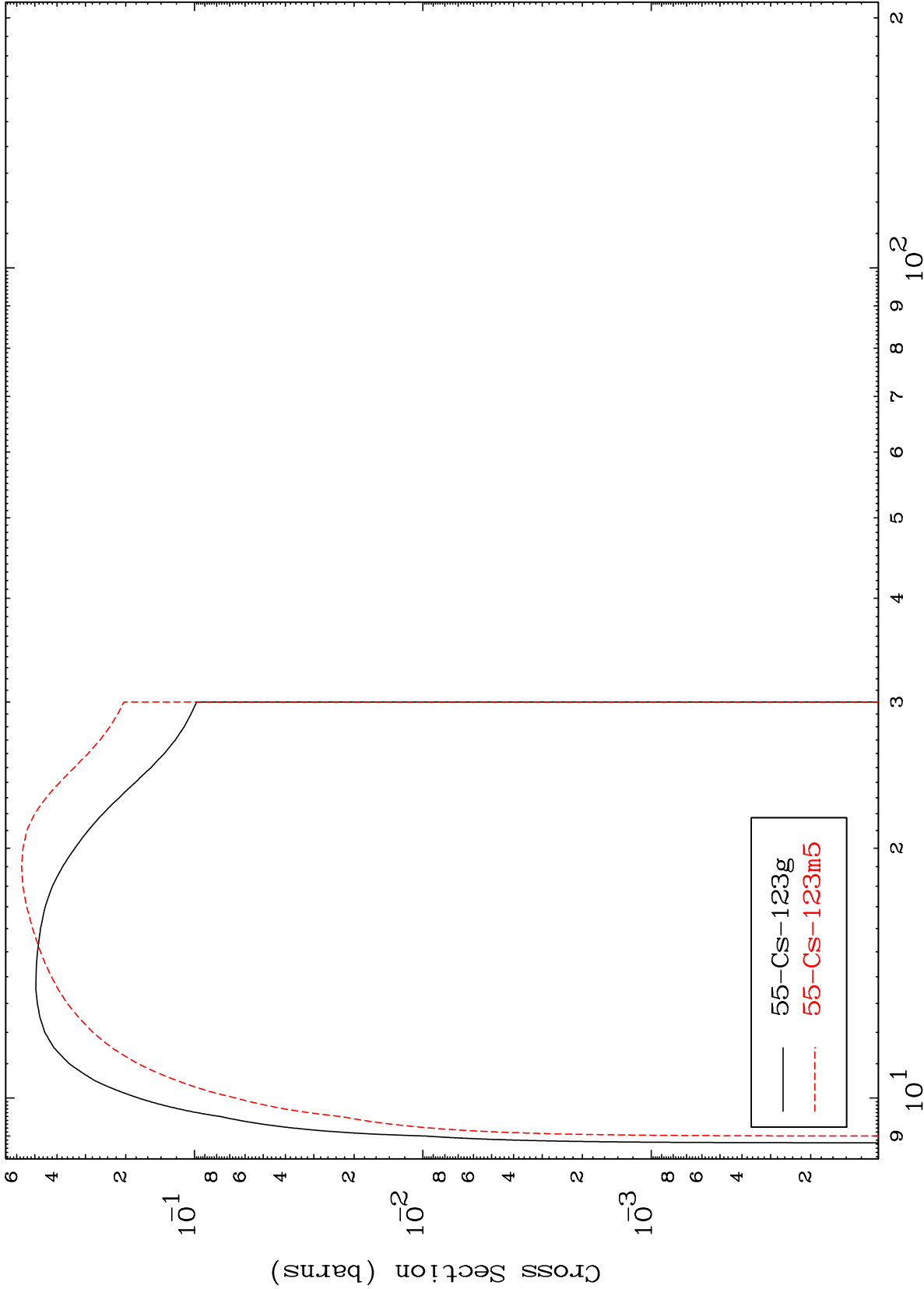
55-Cs-124

MAT 5498

(n,2n)

55-Cs-124

Radionuclide Production Cross Section



55-Cs-123g  
55-Cs-123m5

121

Incident Energy (MeV)

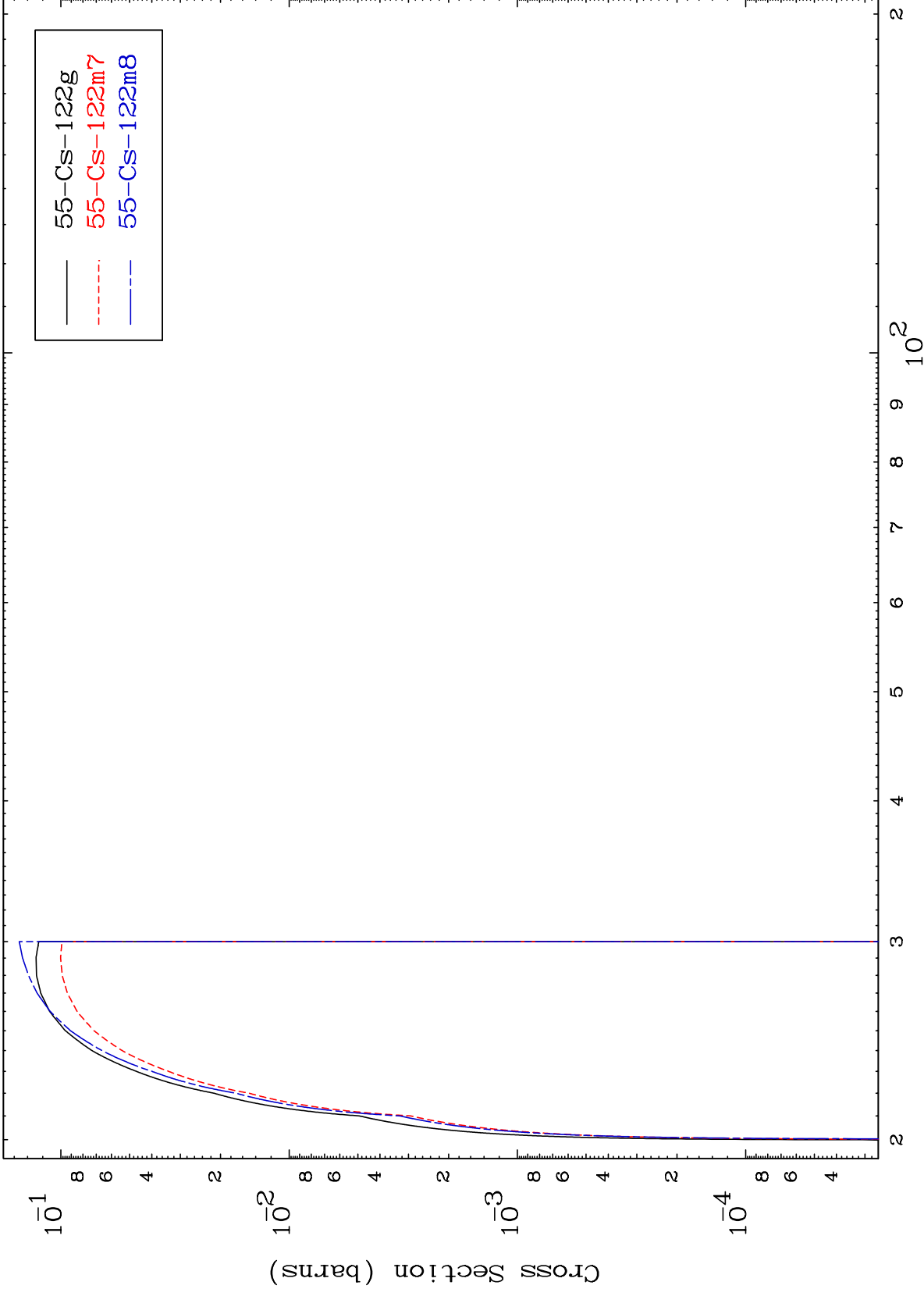
55-Cs-124

MAT 5498

(n,3n)

55-Cs-124

Radionuclide Production Cross Section



122

Incident Energy (MeV)

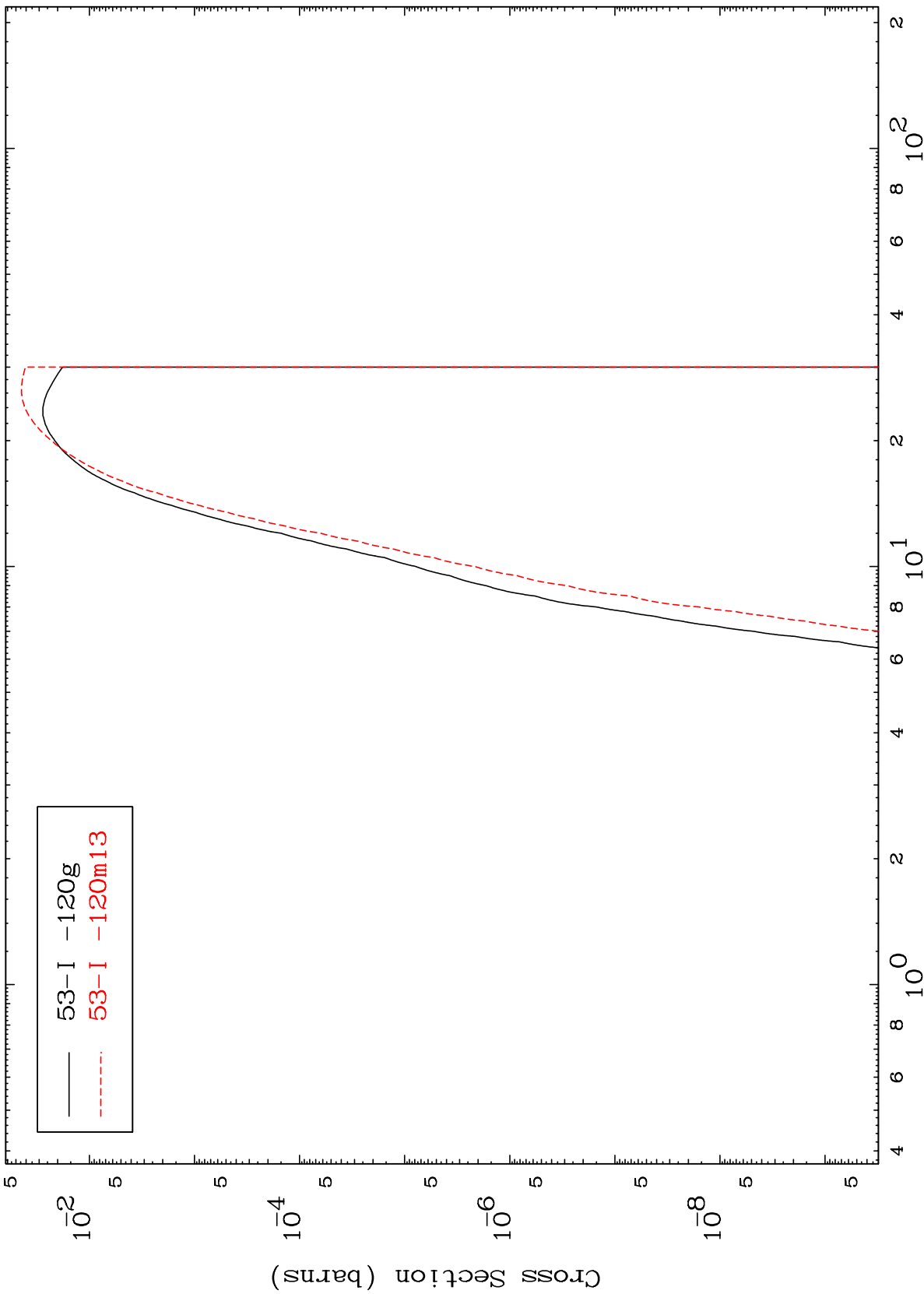
55-Cs-124

MAT 5498

(n,n')  $\alpha$

55-Cs-124

Radionuclide Production Cross Section



53-I -120g  
53-I -120m13

123

Incident Energy (MeV)

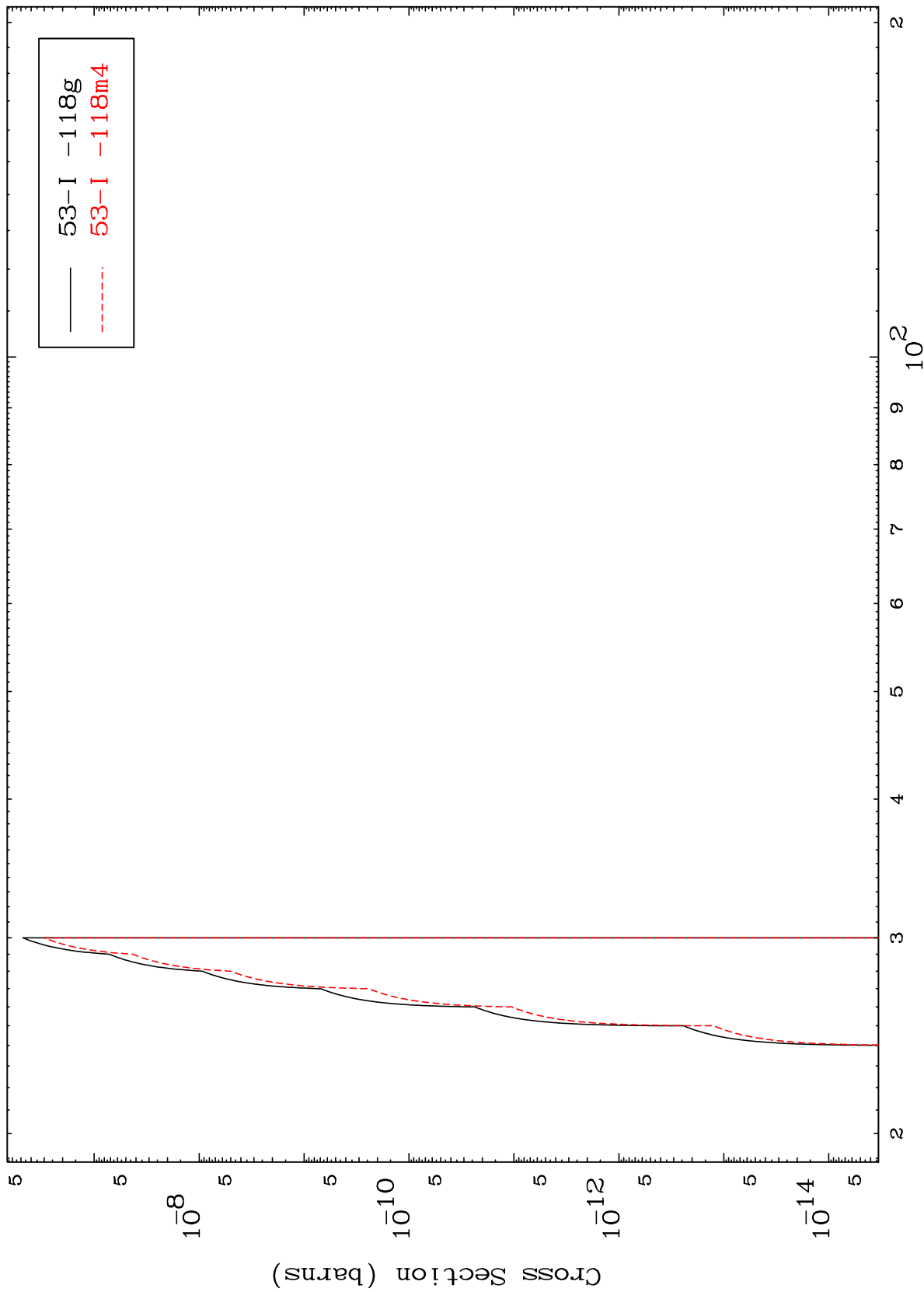
55-Cs-124

MAT 5498

(n,3n)  $\alpha$

55-Cs-124

Radionuclide Production Cross Section



124

Incident Energy (MeV)

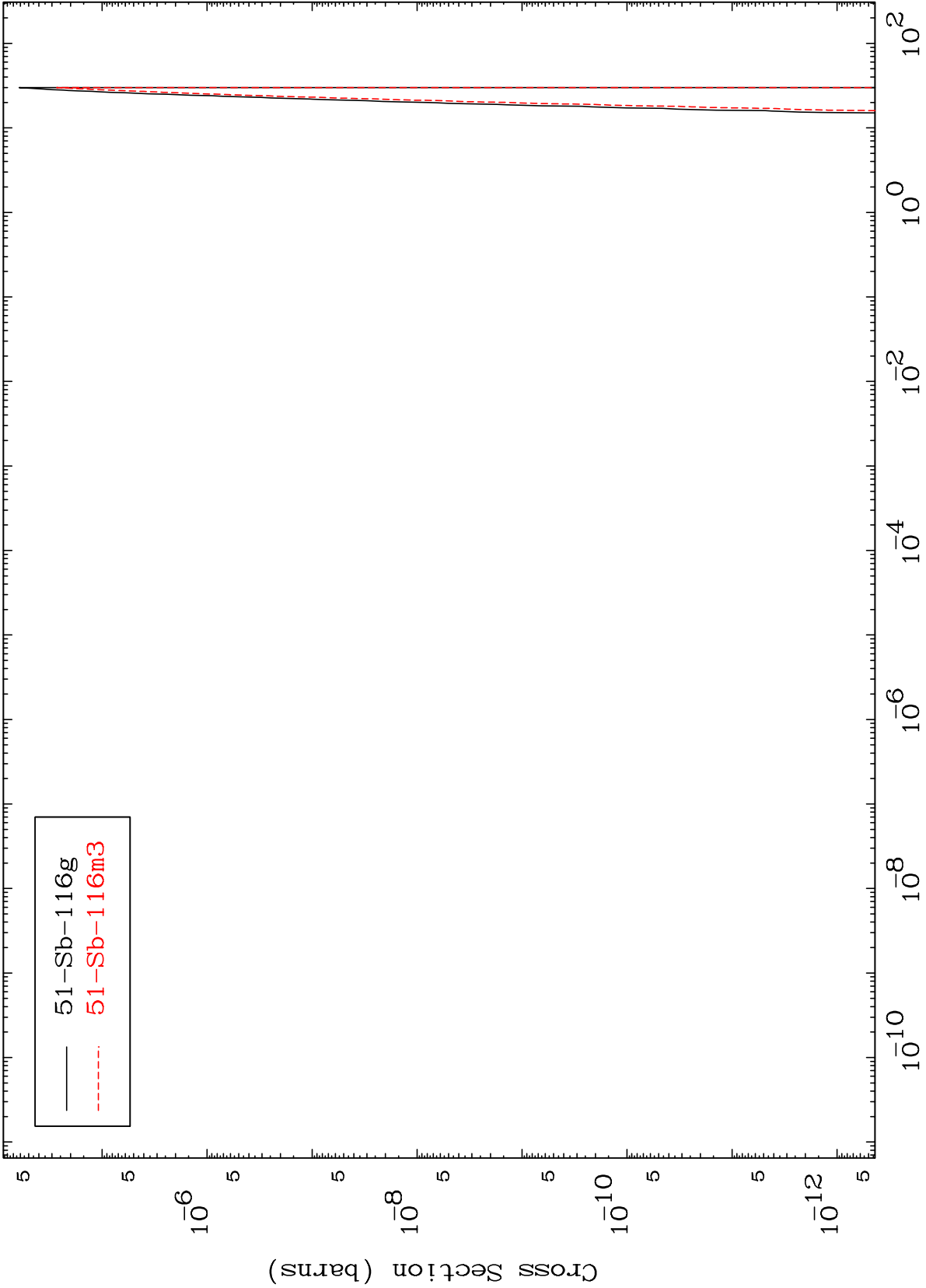
55-Cs-124

MAT 5498

(n,n') 2α

55-Cs-124

Radionuclide Production Cross Section



51-Sb-116g  
51-Sb-116m3

125

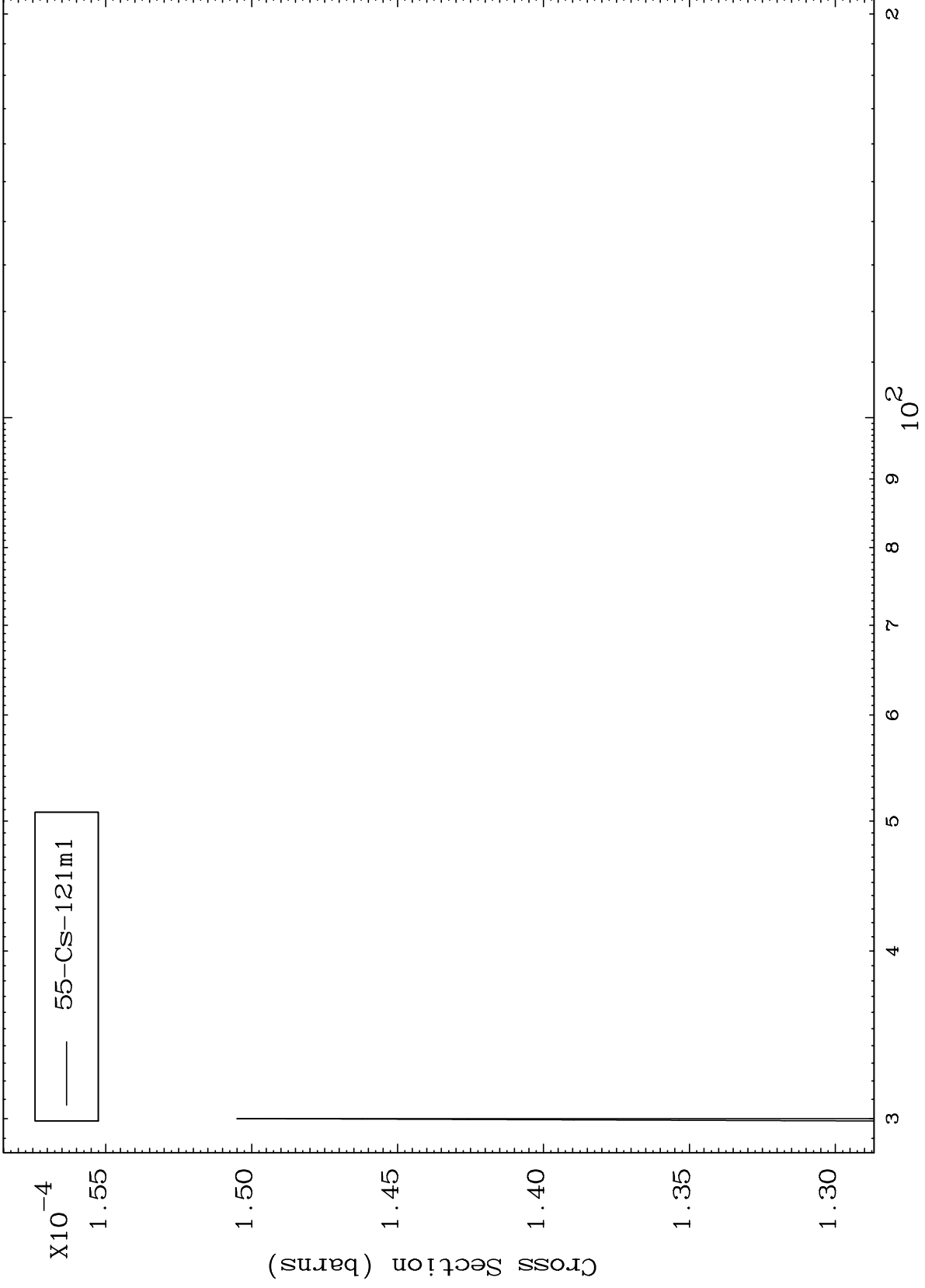
Incident Energy (MeV)

55-Cs-124

MAT 5498

55-Cs-124

(n,4n)  
Radionuclide Production Cross Section

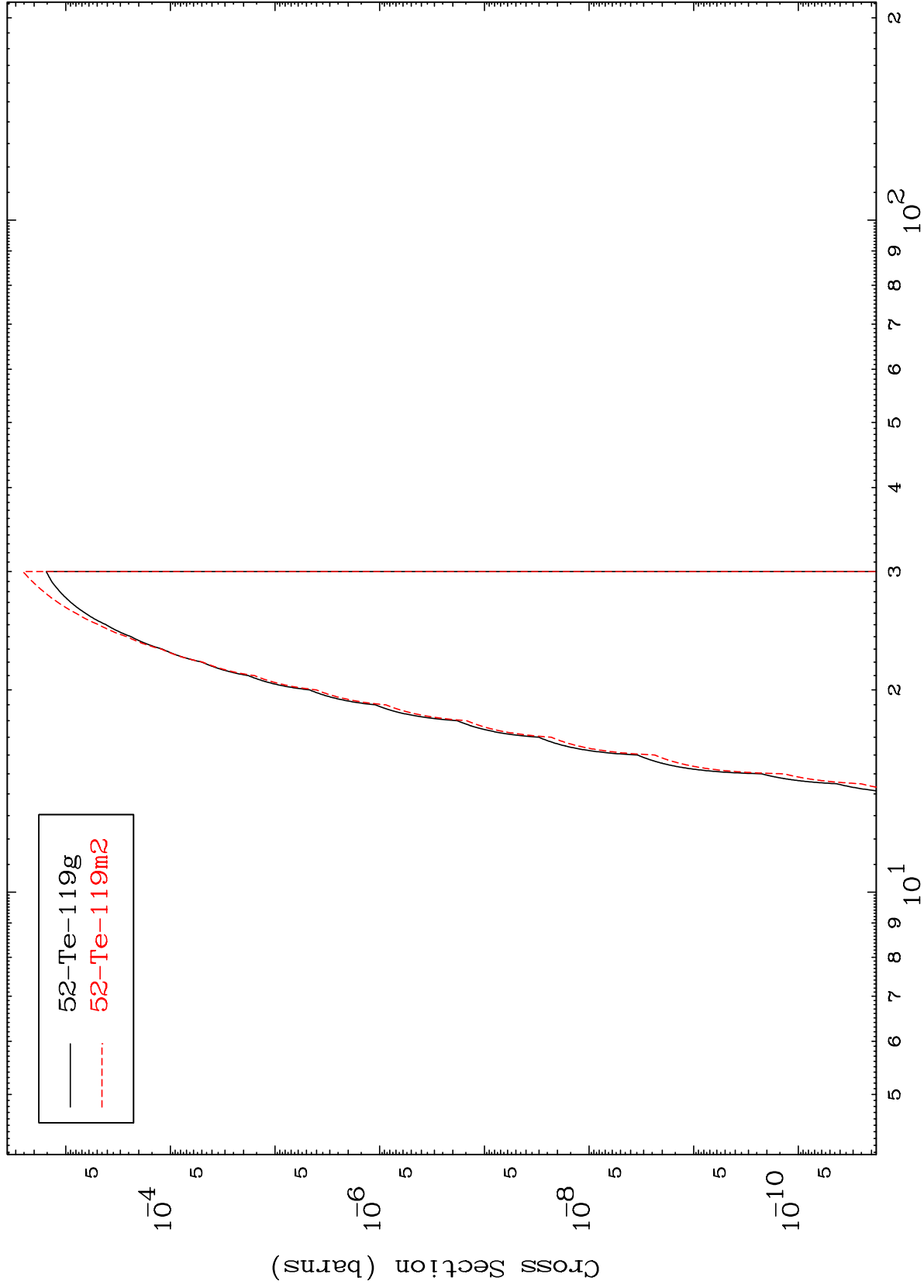


126

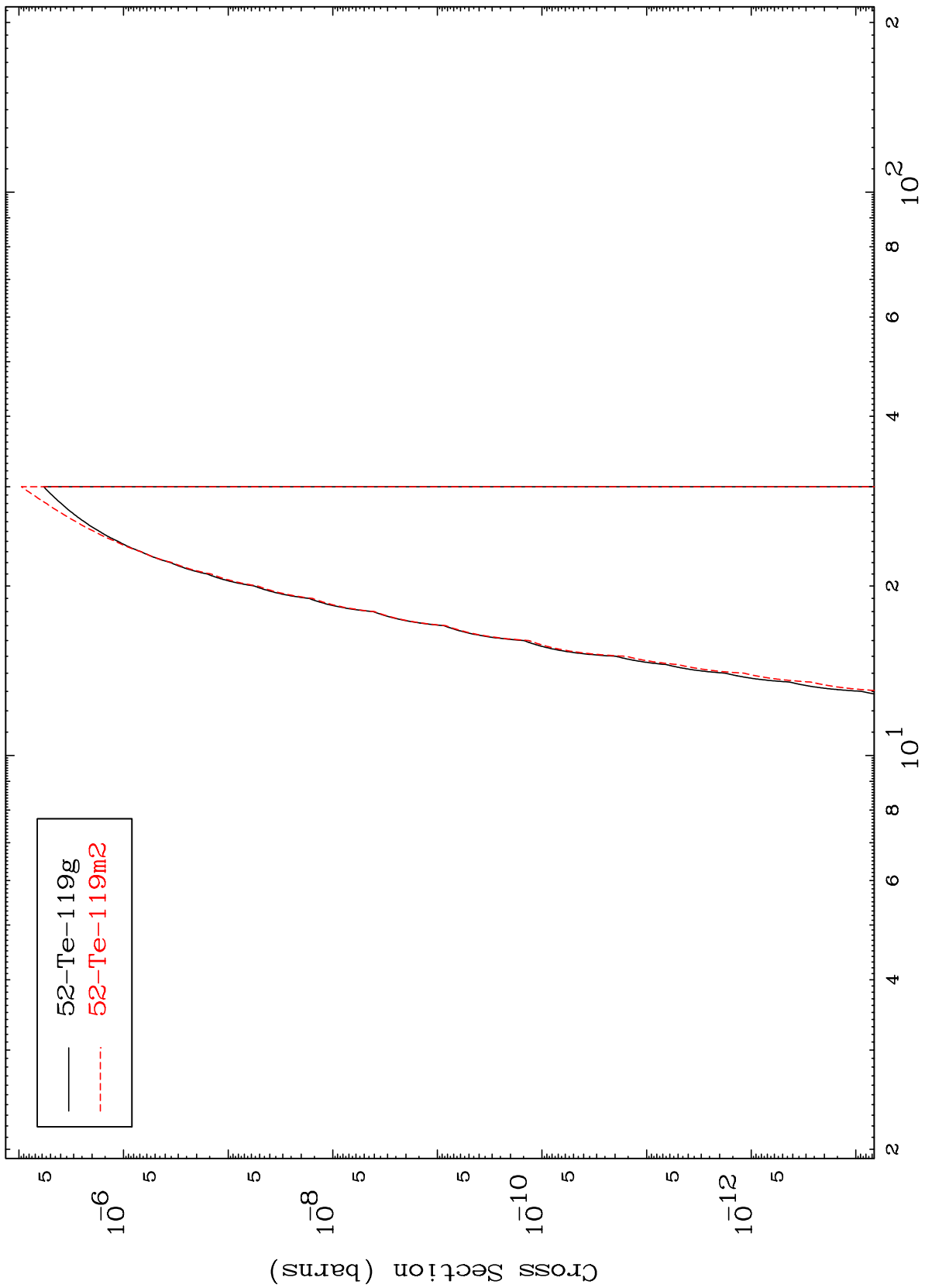
55-Cs-124

Incident Energy (MeV)

Radionuclide Production Cross Section



Radionuclide Production Cross Section



— 52-Te-119g  
- - - 52-Te-119m2