

Program EVALPLOT  
(Version 2017-1)

by

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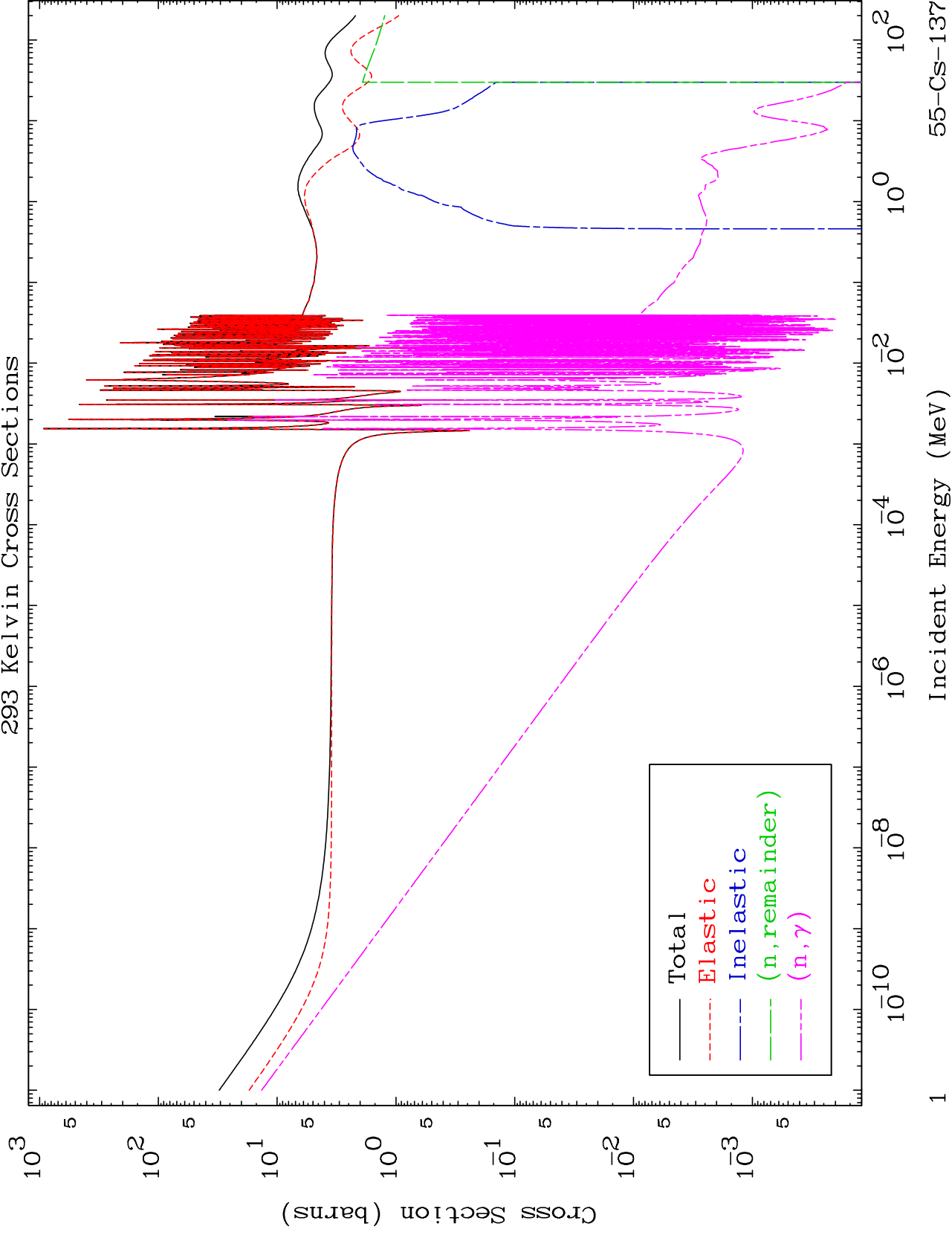
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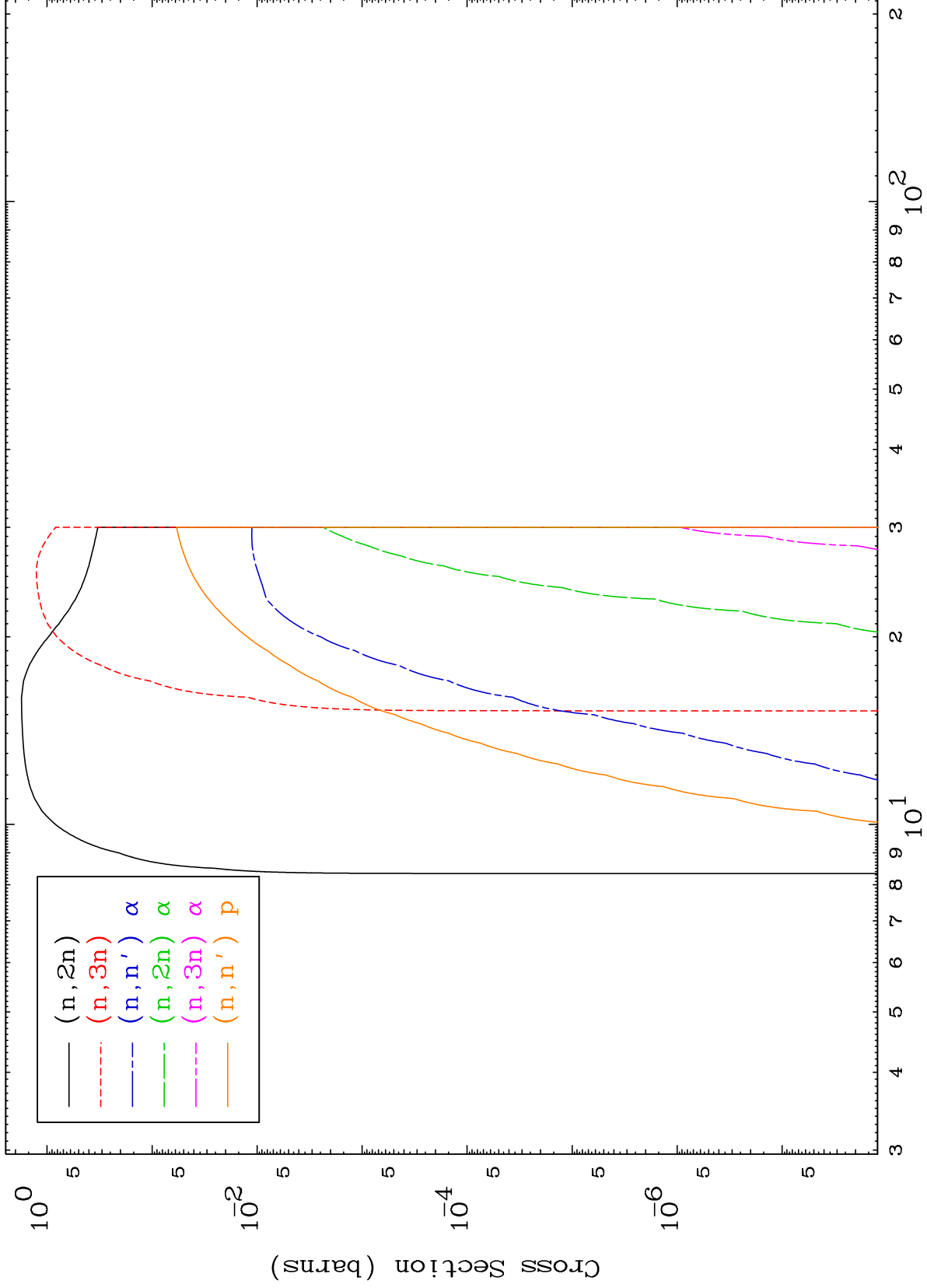
Press Mouse Button to Start

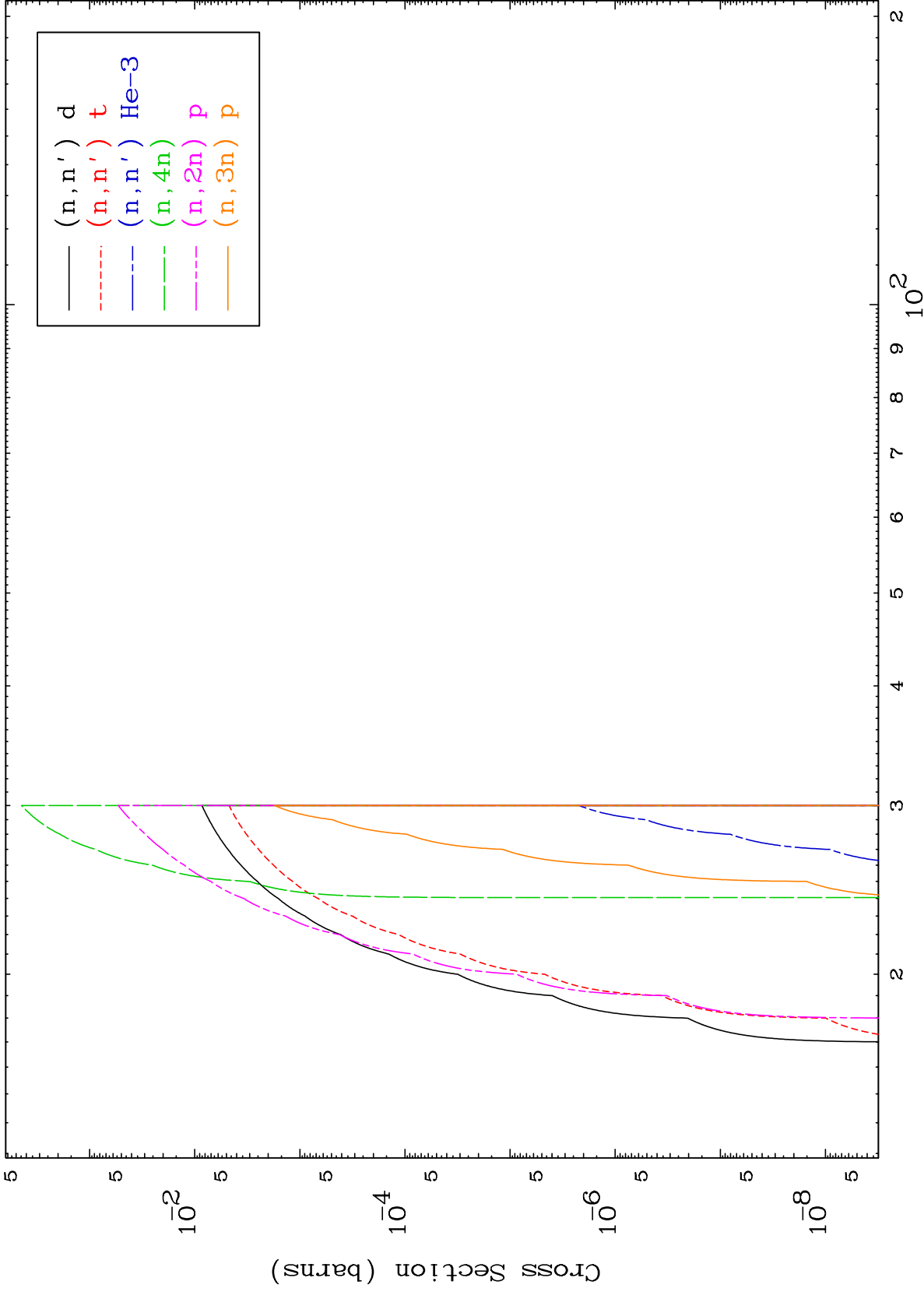
MAT 5537

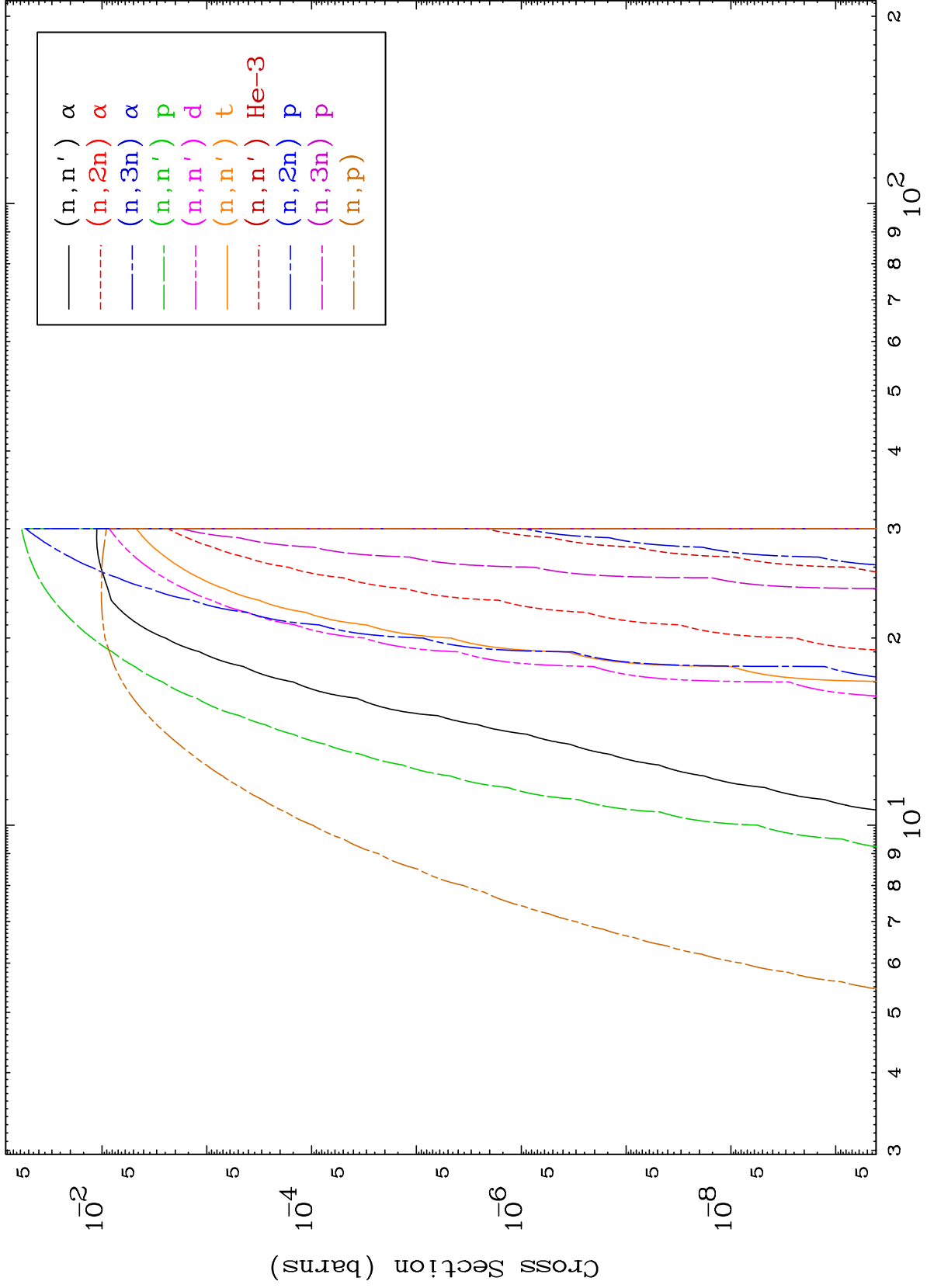
Major  
293 Kelvin Cross Sections

55-Cs-137





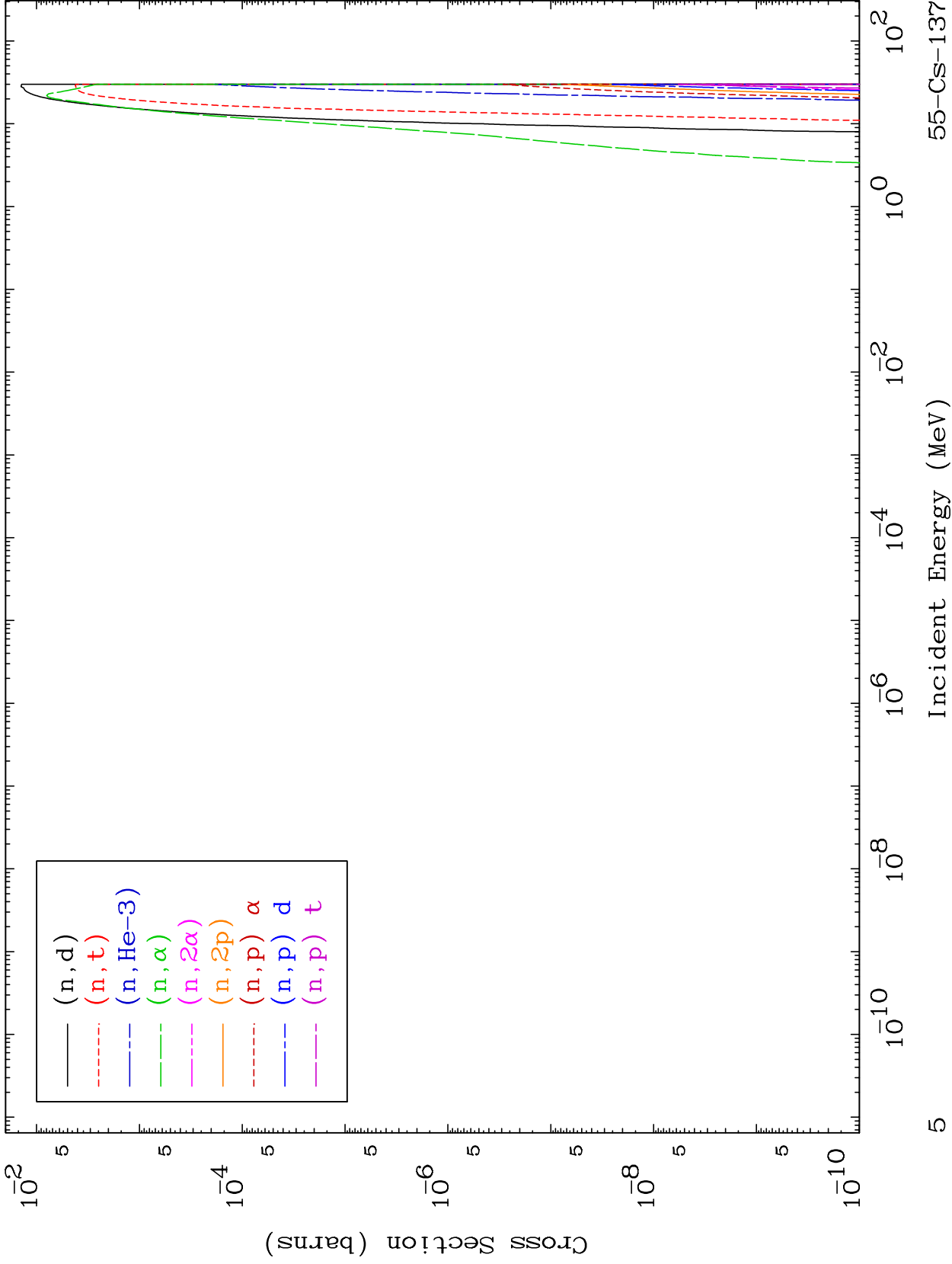




MAT 5537

Charged Particle  
293 Kelvin Cross Sections

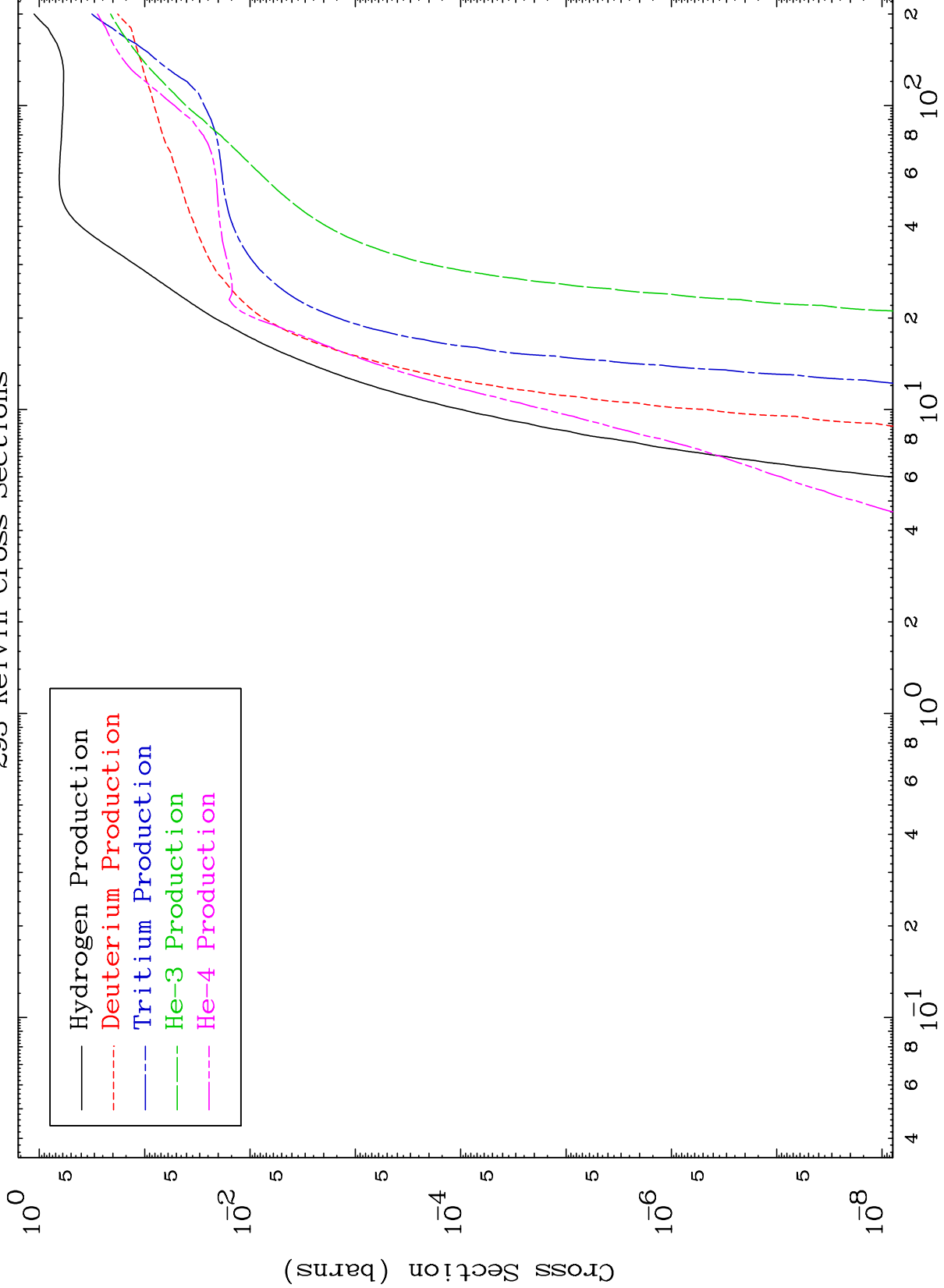
55-Cs-137



MAT 5537

Particle Production  
293 Kelvin Cross Sections

55-Cs-137



6

Incident Energy (MeV)

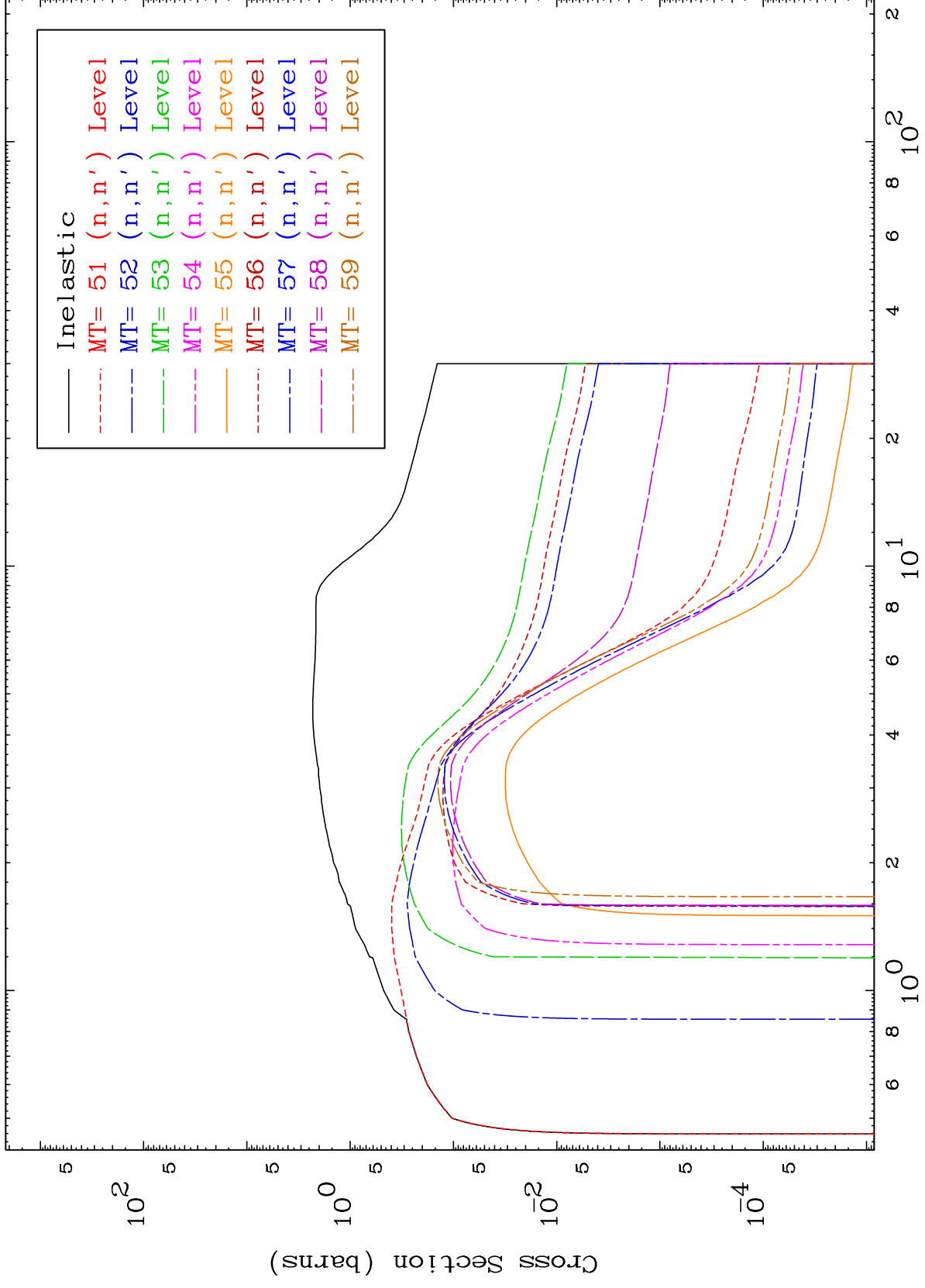
55-Cs-137

MAT 5537

(n,n') Level

55-Cs-137

293 Kelvin Cross Sections



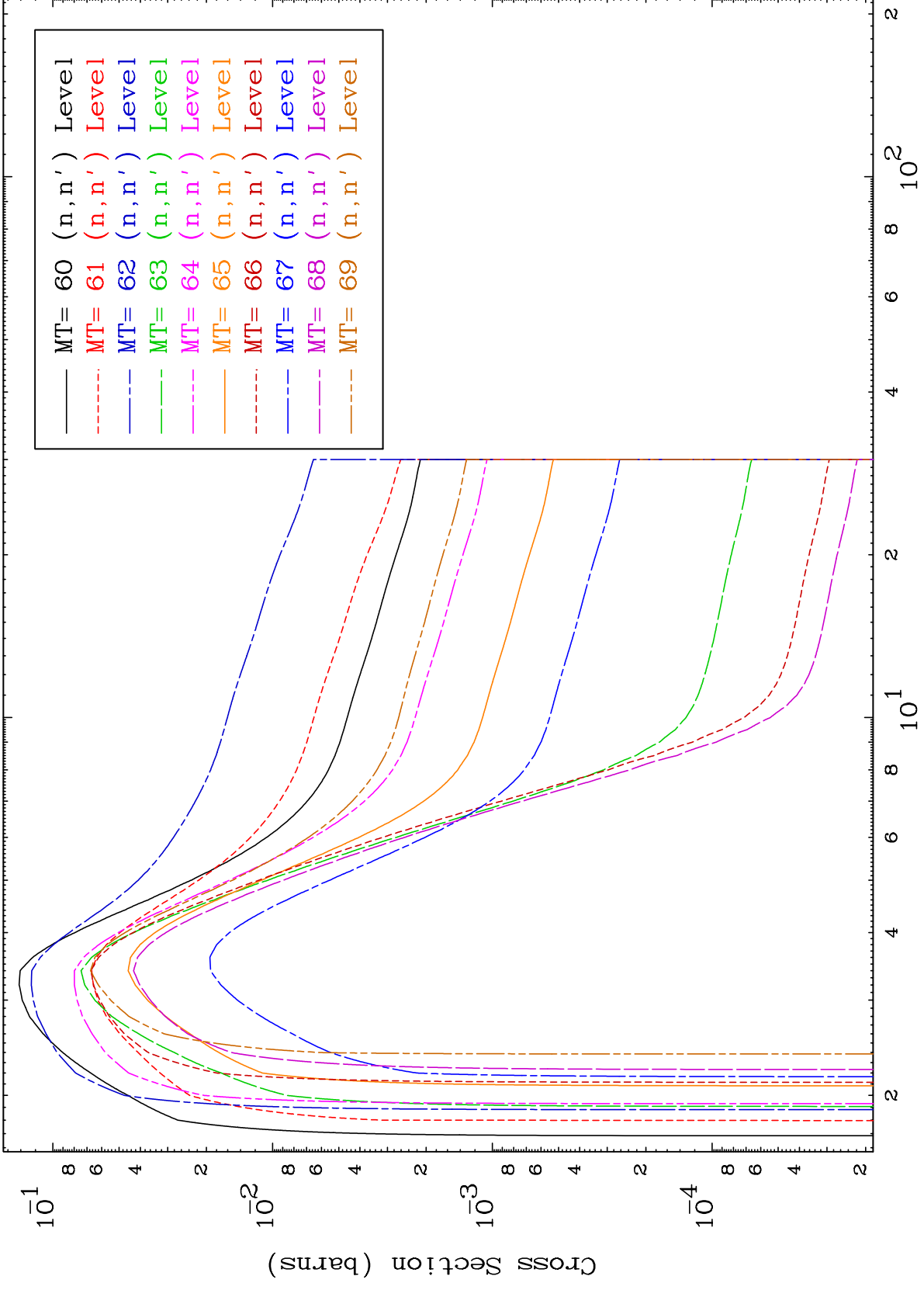


MAT 5537

(n,n') Level

55-Cs-137

293 Kelvin Cross Sections

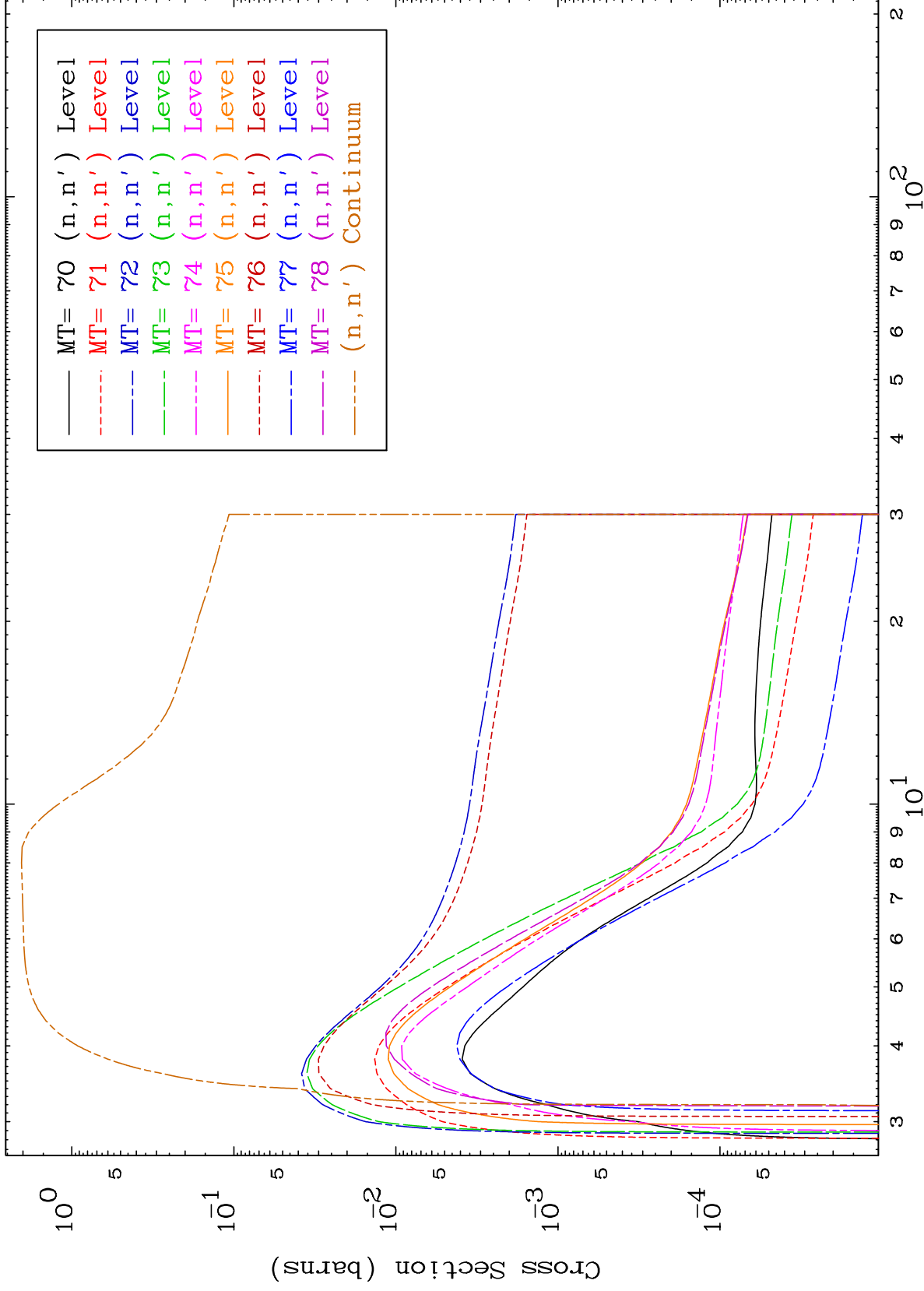


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Incident Energy (MeV)

55-Cs-137

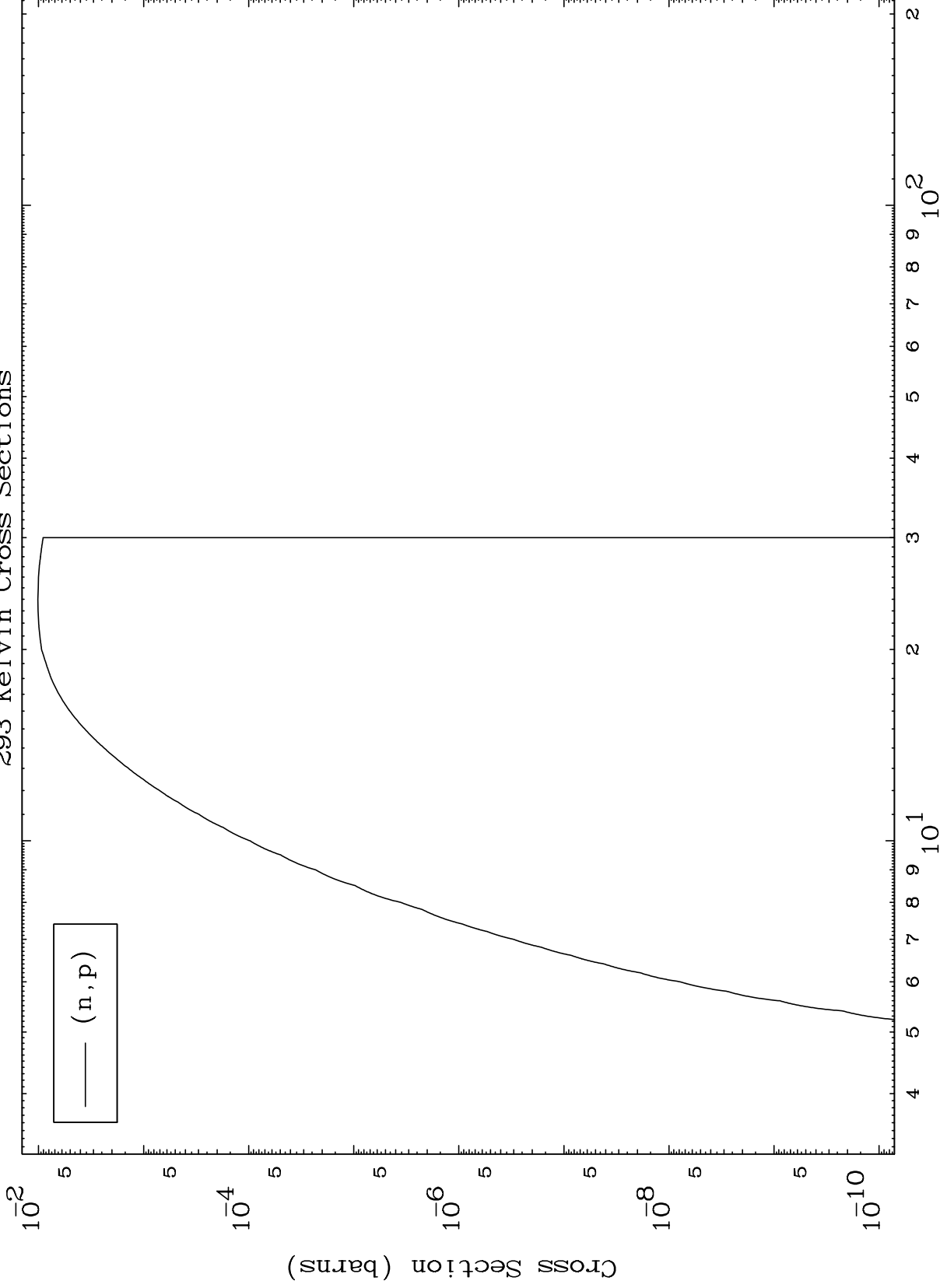
293 Kelvin Cross Sections



MAT 5537

(n,p) Levels  
293 Kelvin Cross Sections

55-Cs-137



10

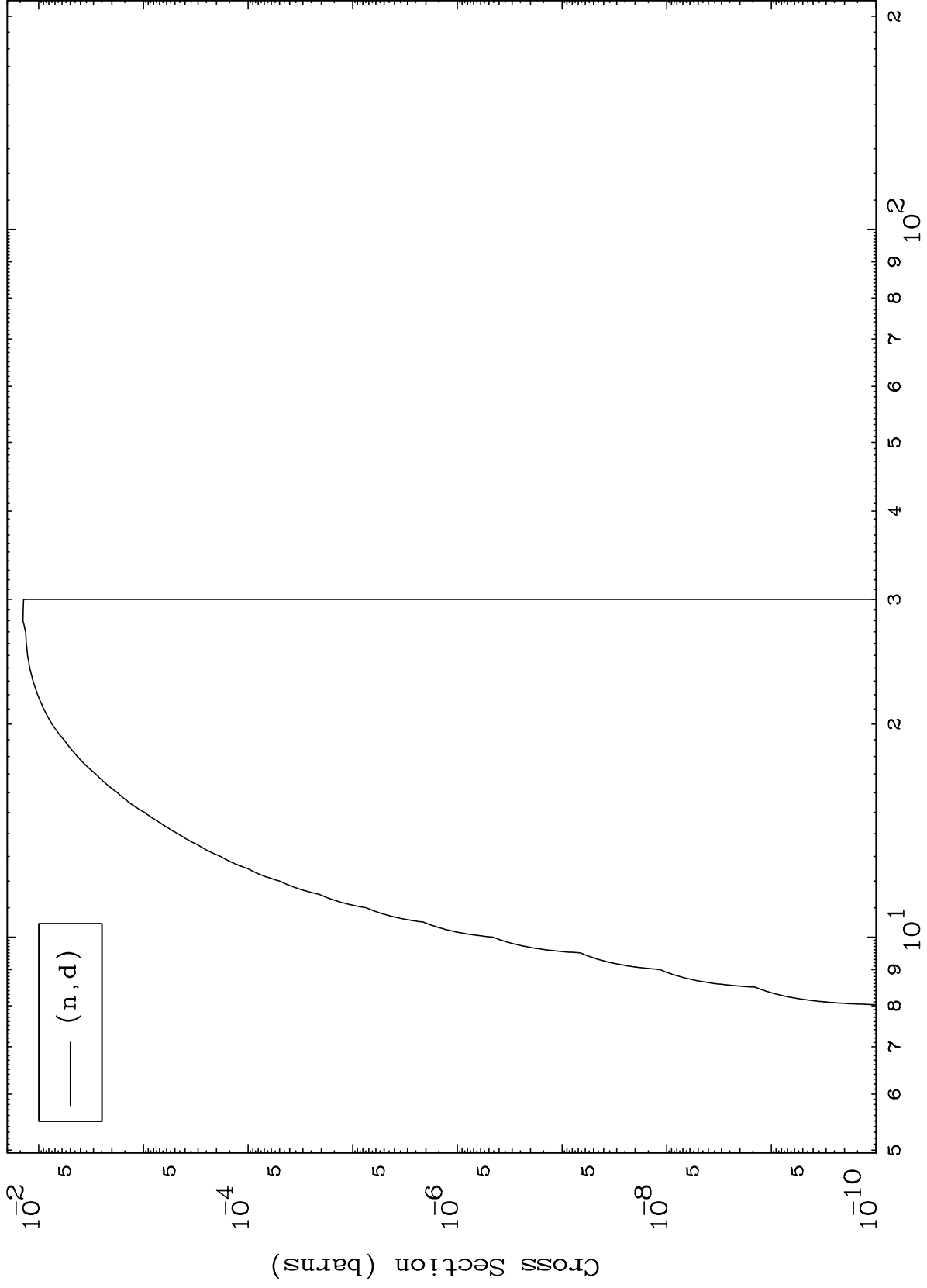
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,d) Levels  
293 Kelvin Cross Sections

55-Cs-137



11

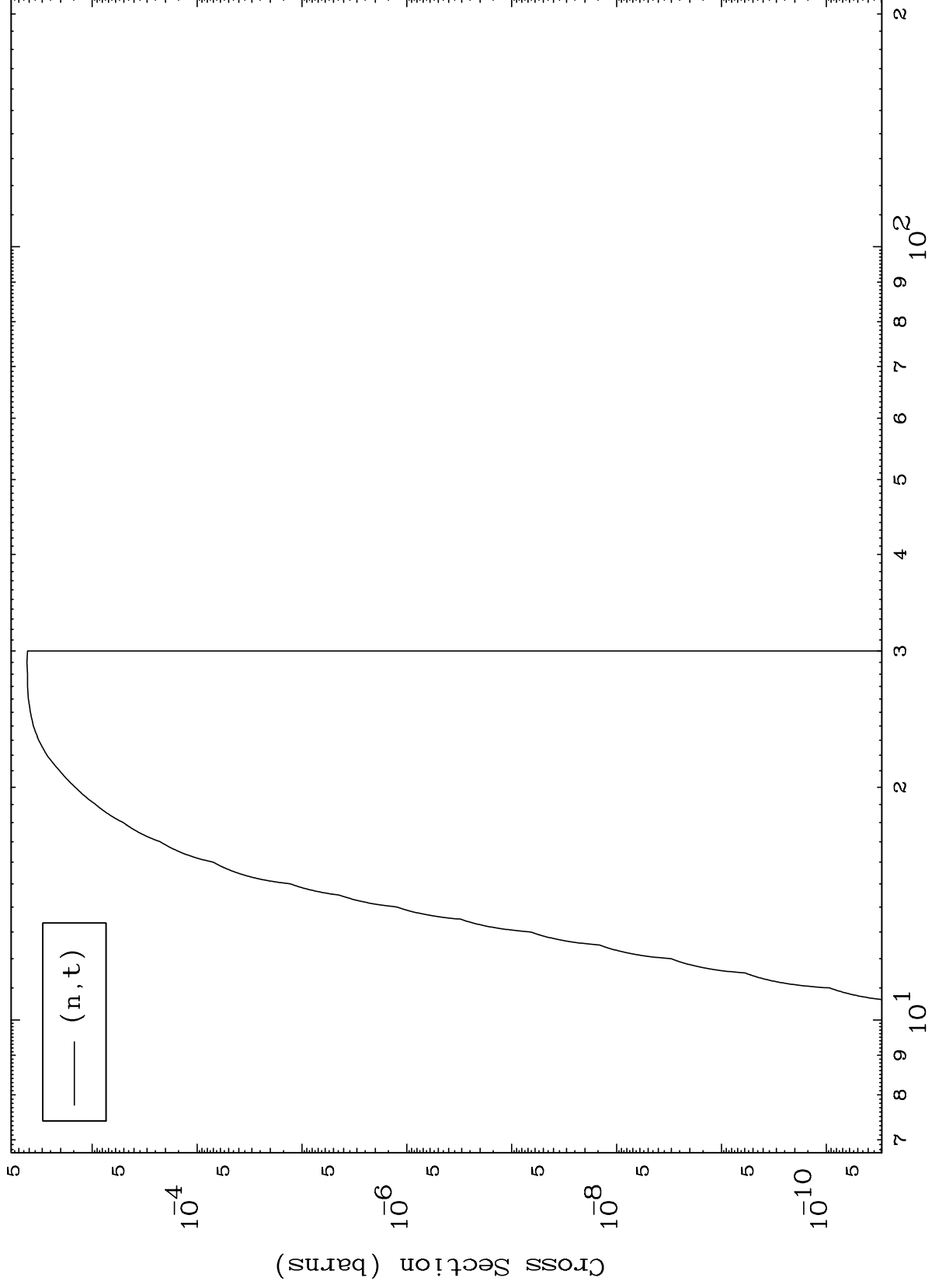
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,t) Levels  
293 Kelvin Cross Sections

55-Cs-137



12

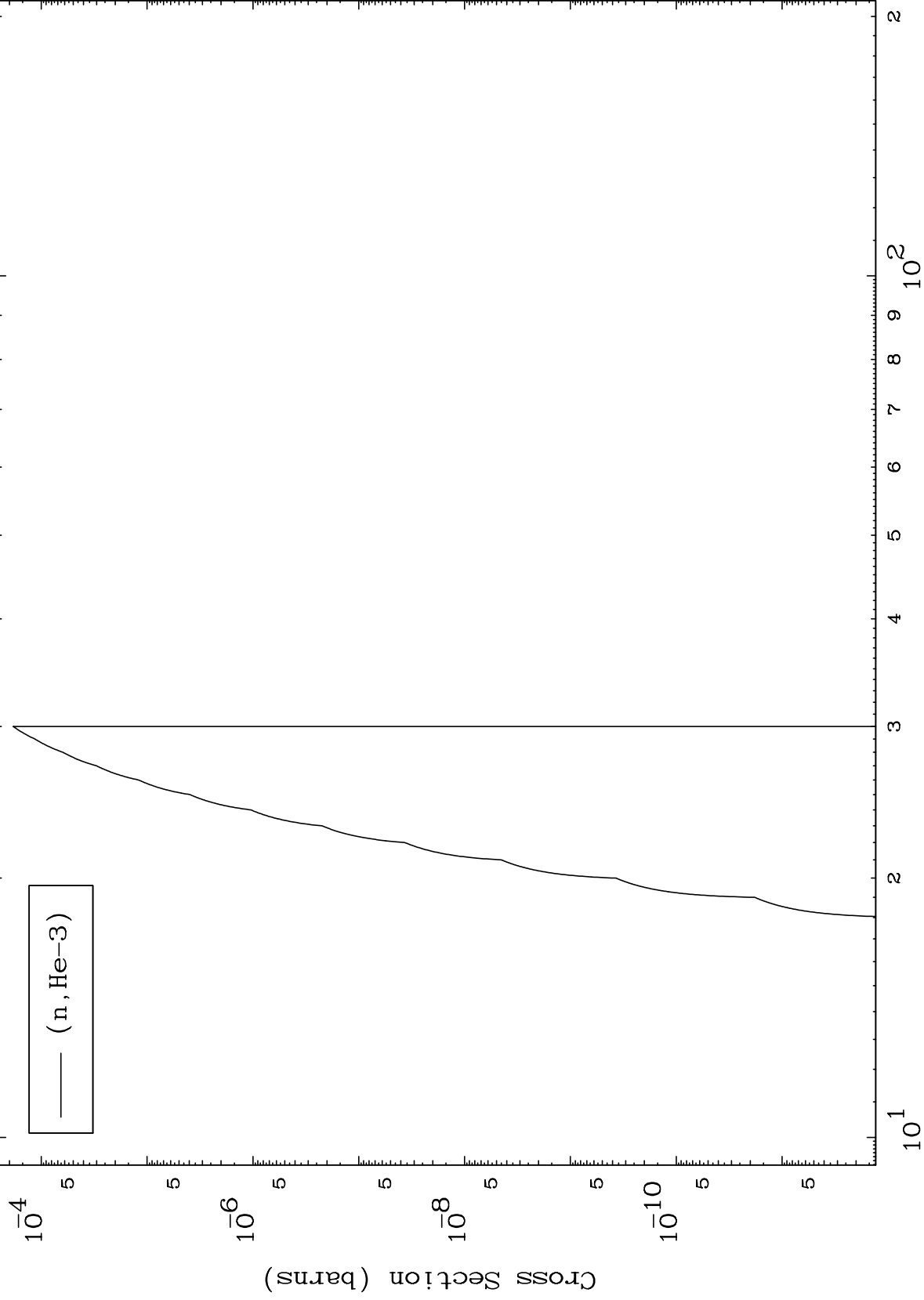
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-137

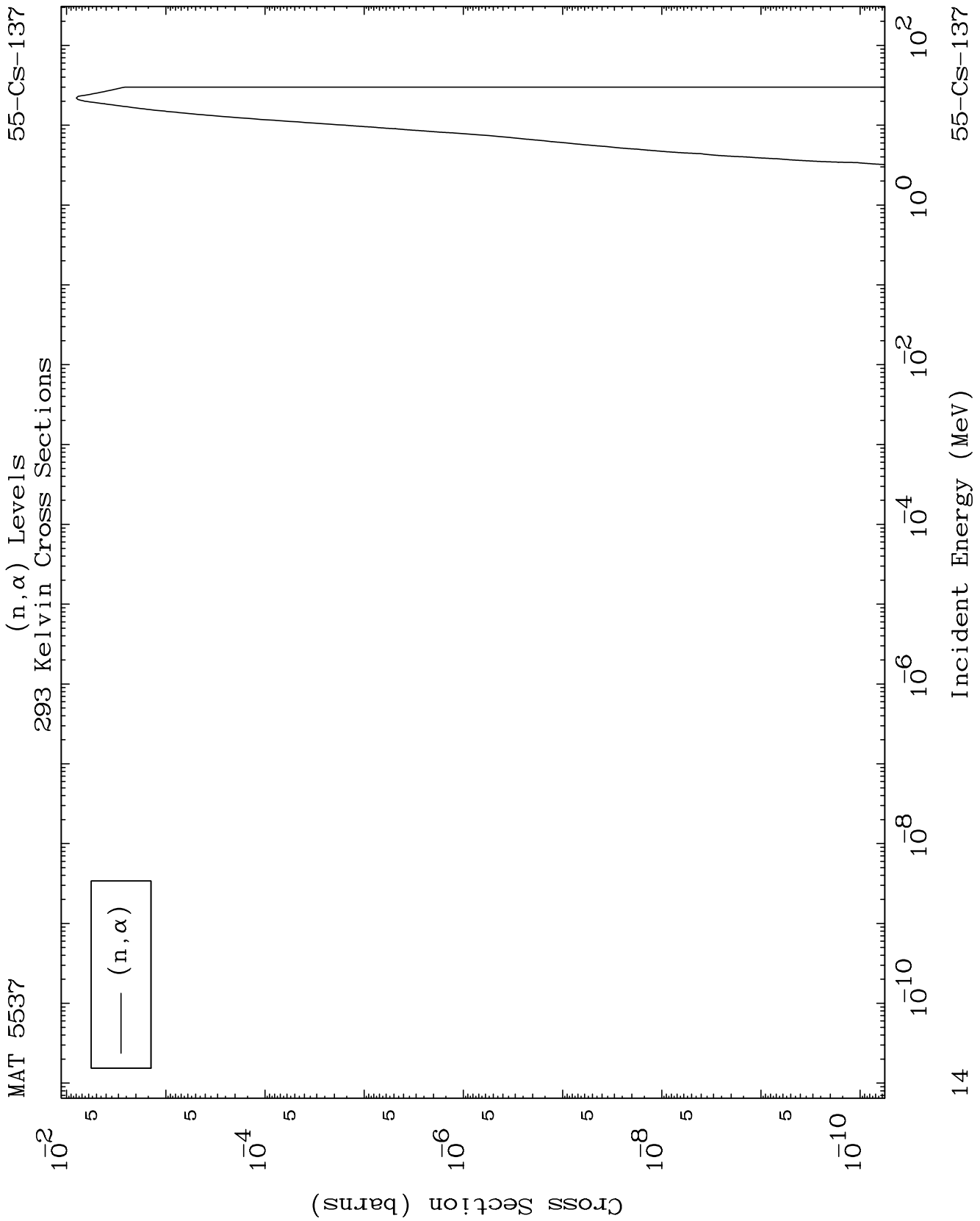


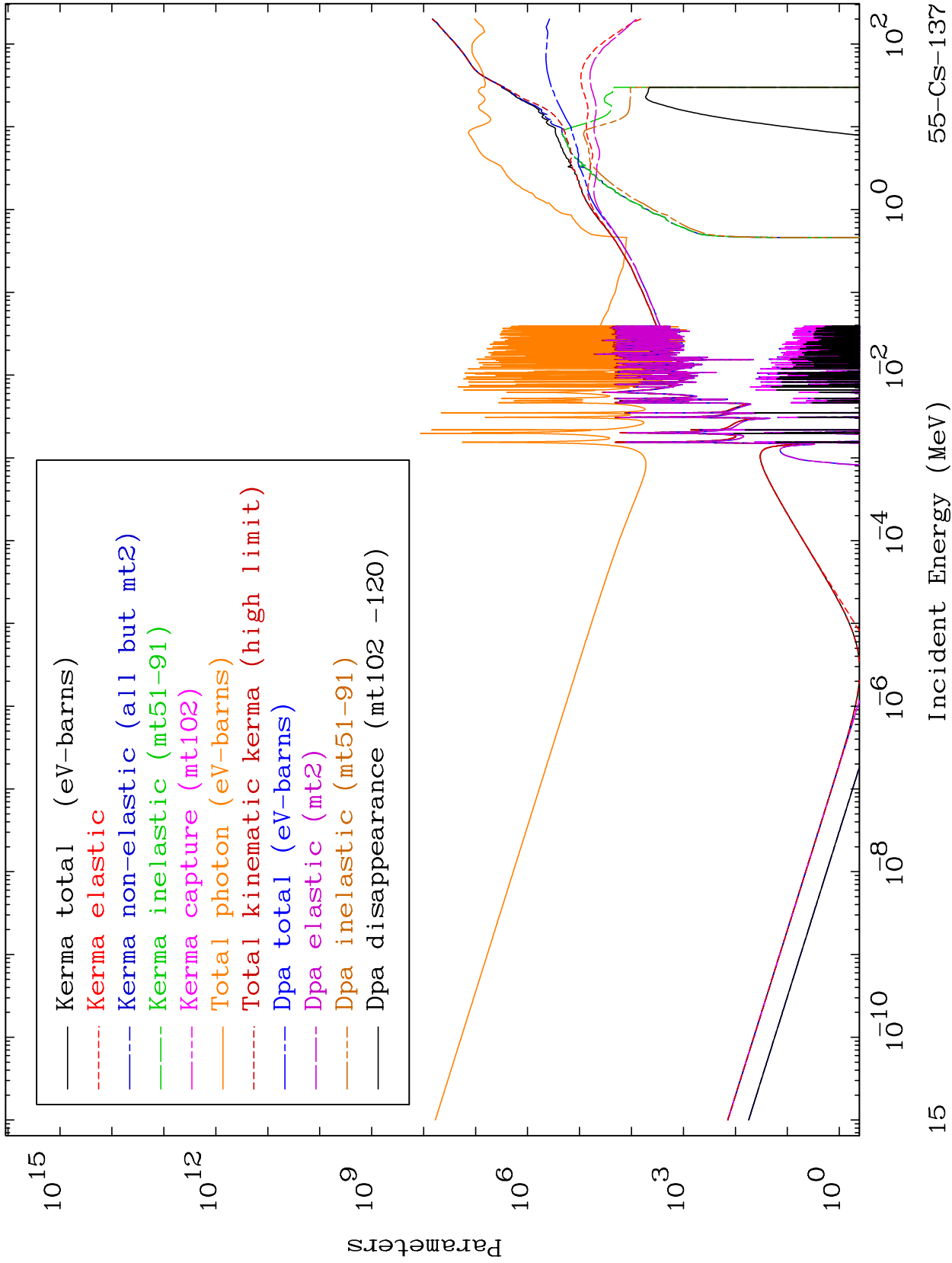
(n, He-3)

13

Incident Energy (MeV)

55-Cs-137



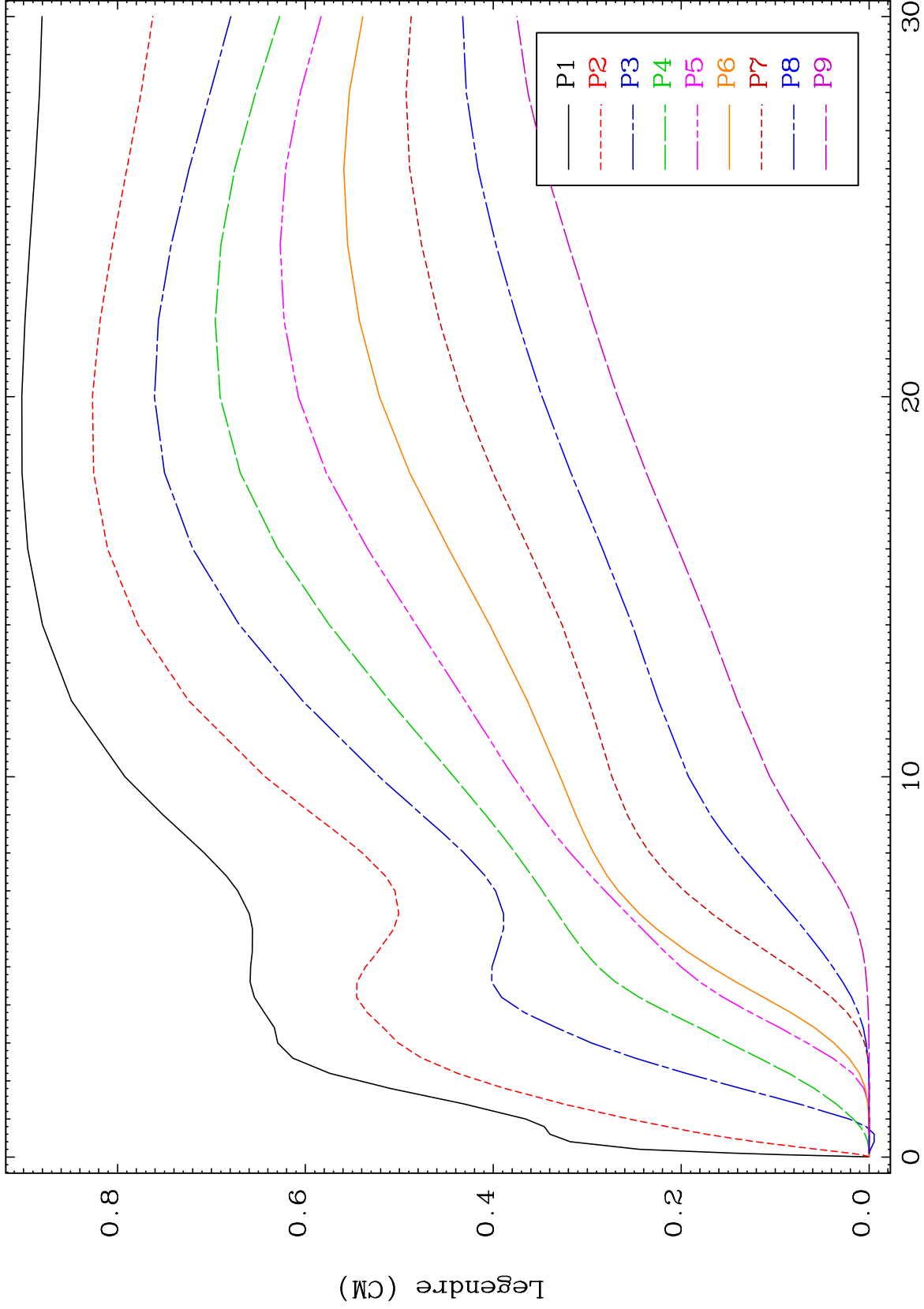




MAT 5537

Elastic Legendre Coefficients

55-Cs-137



16

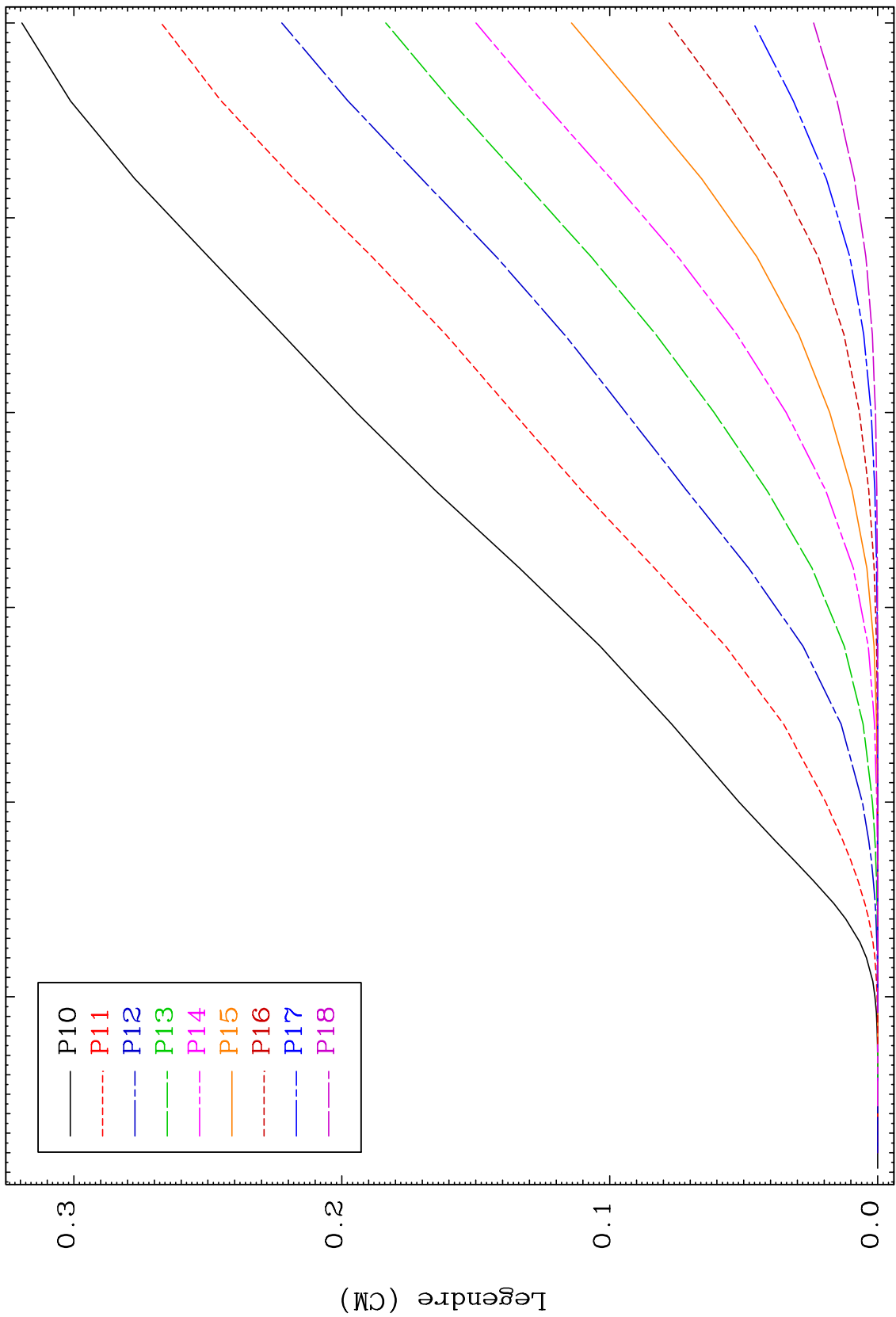
Incident Energy (MeV)

55-Cs-137

MAT 5537

Elastic Legendre Coefficients

55-Cs-137



17

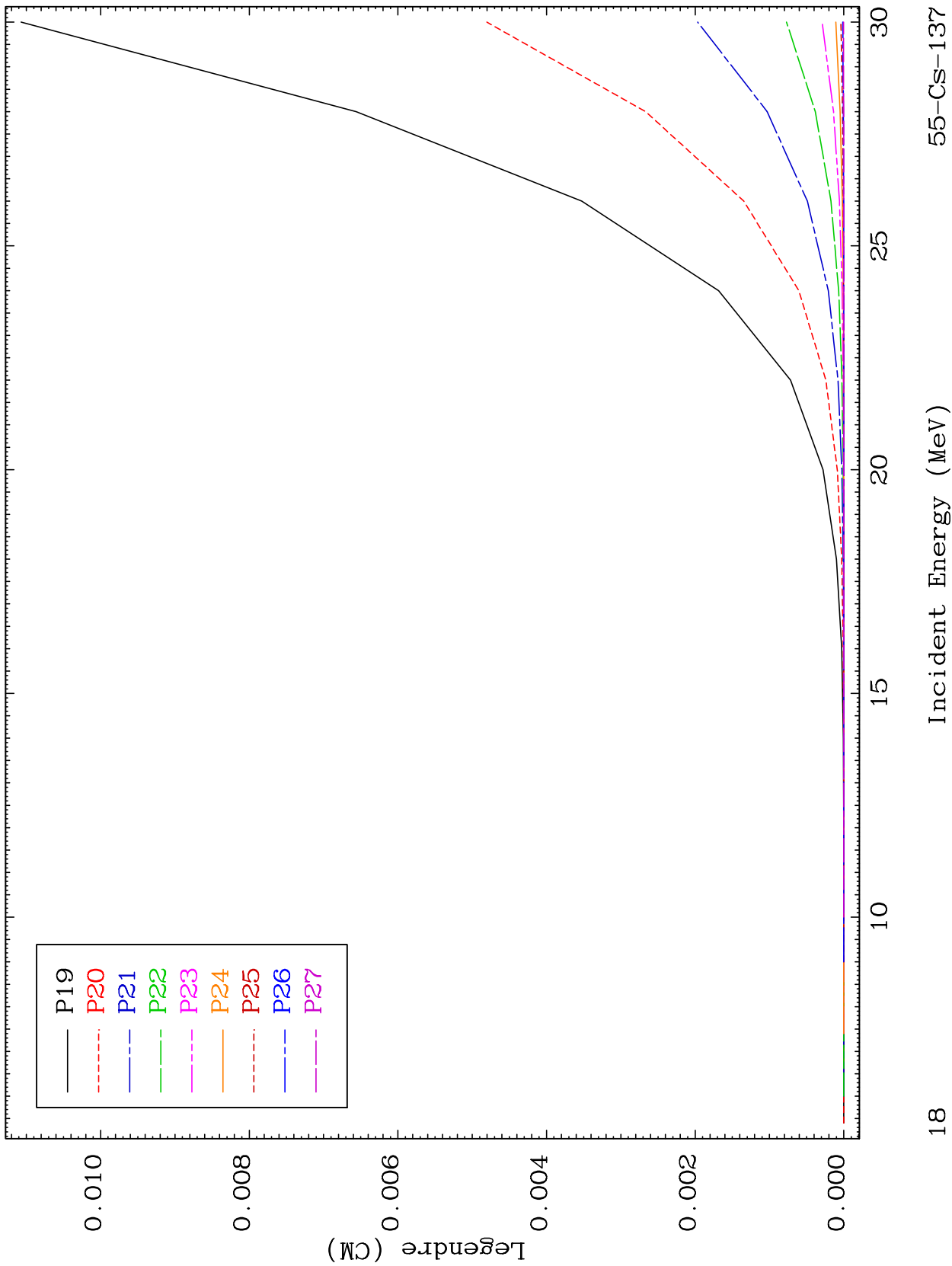
Incident Energy (MeV)

55-Cs-137

MAT 5537

### Elastic Legendre Coefficients

55-Cs-137



18

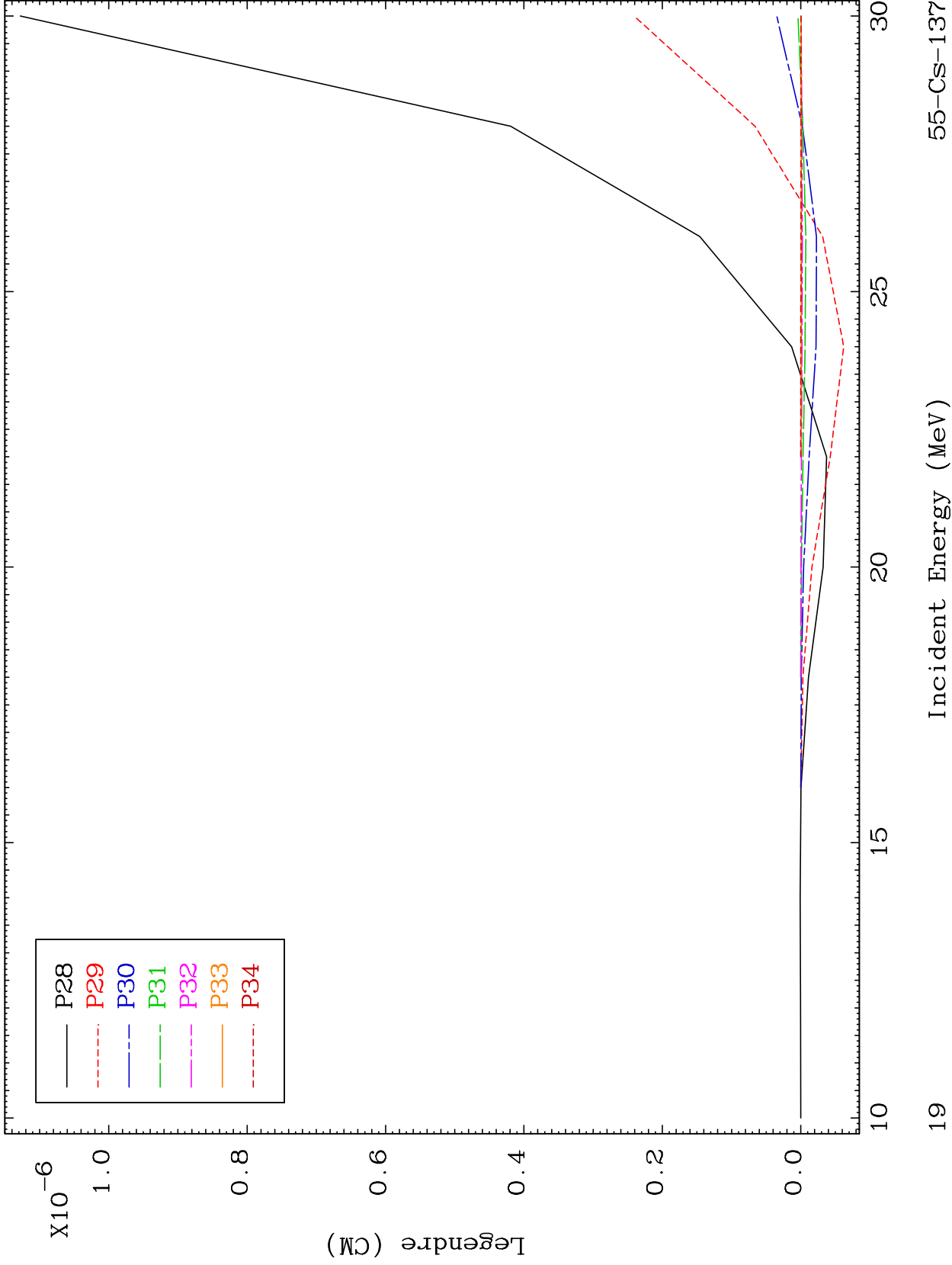
Incident Energy (MeV)

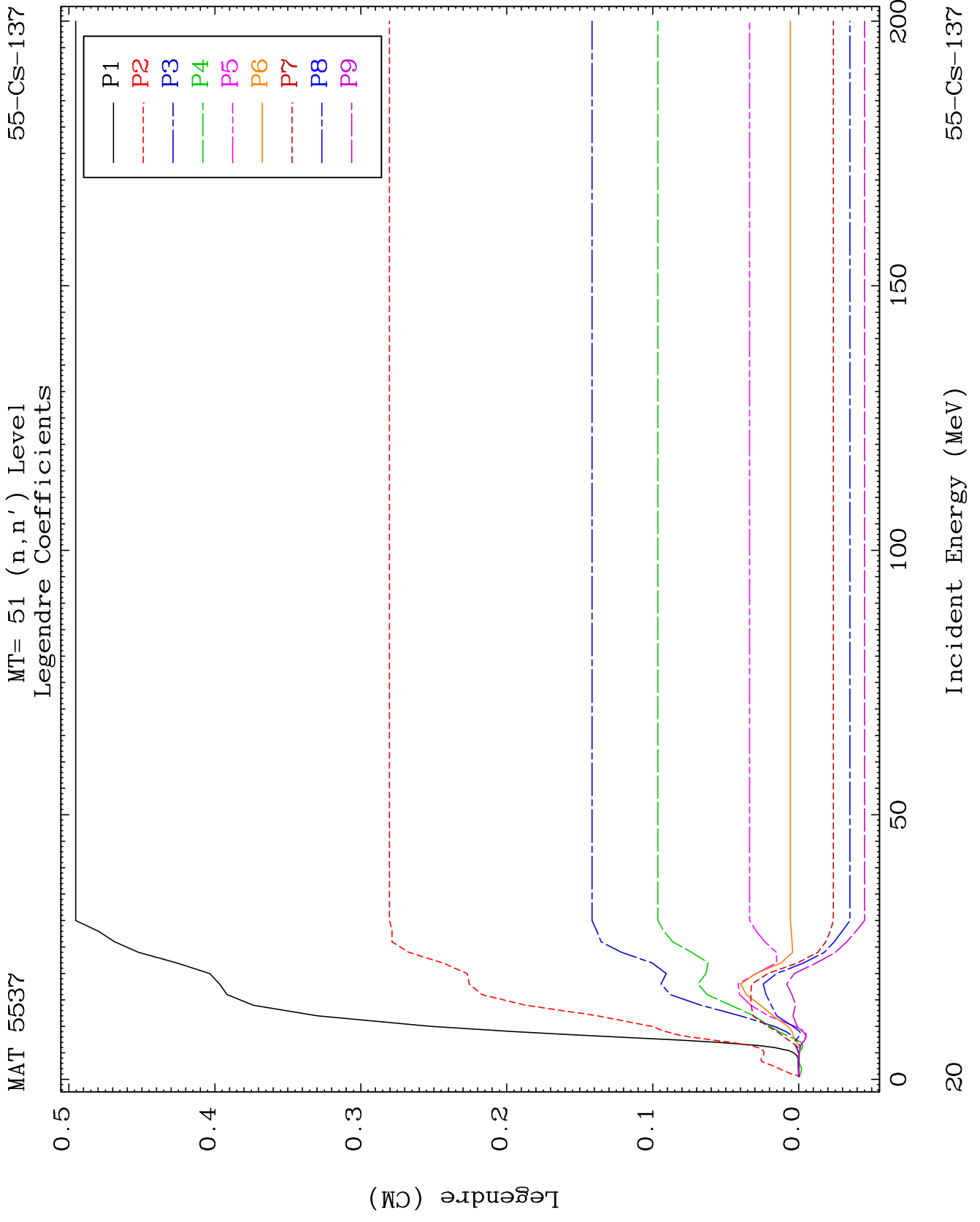
55-Cs-137

MAT 5537

Elastic  
Legendre Coefficients

55-Cs-137

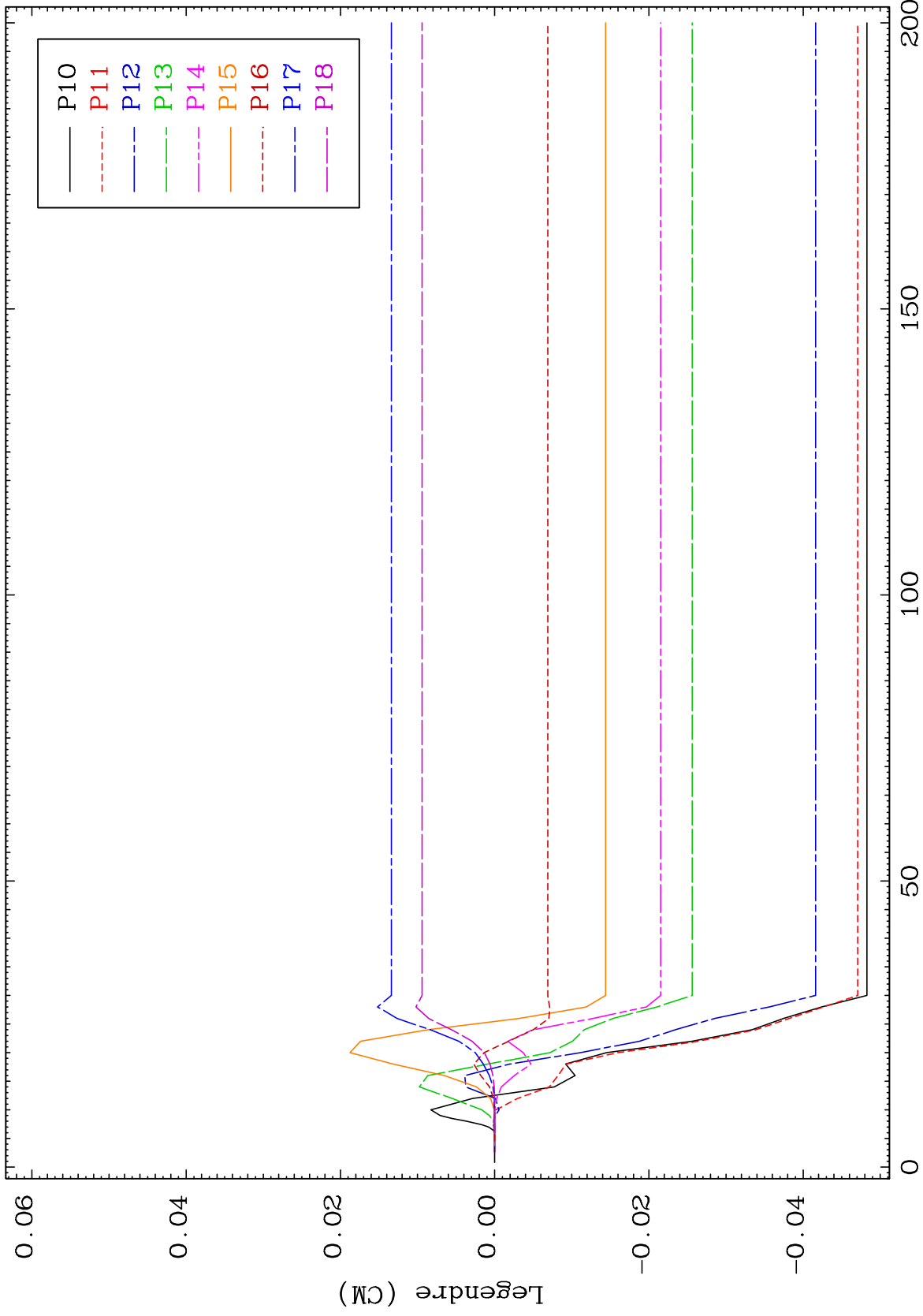




MAT 5537

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

55-Cs-137



21

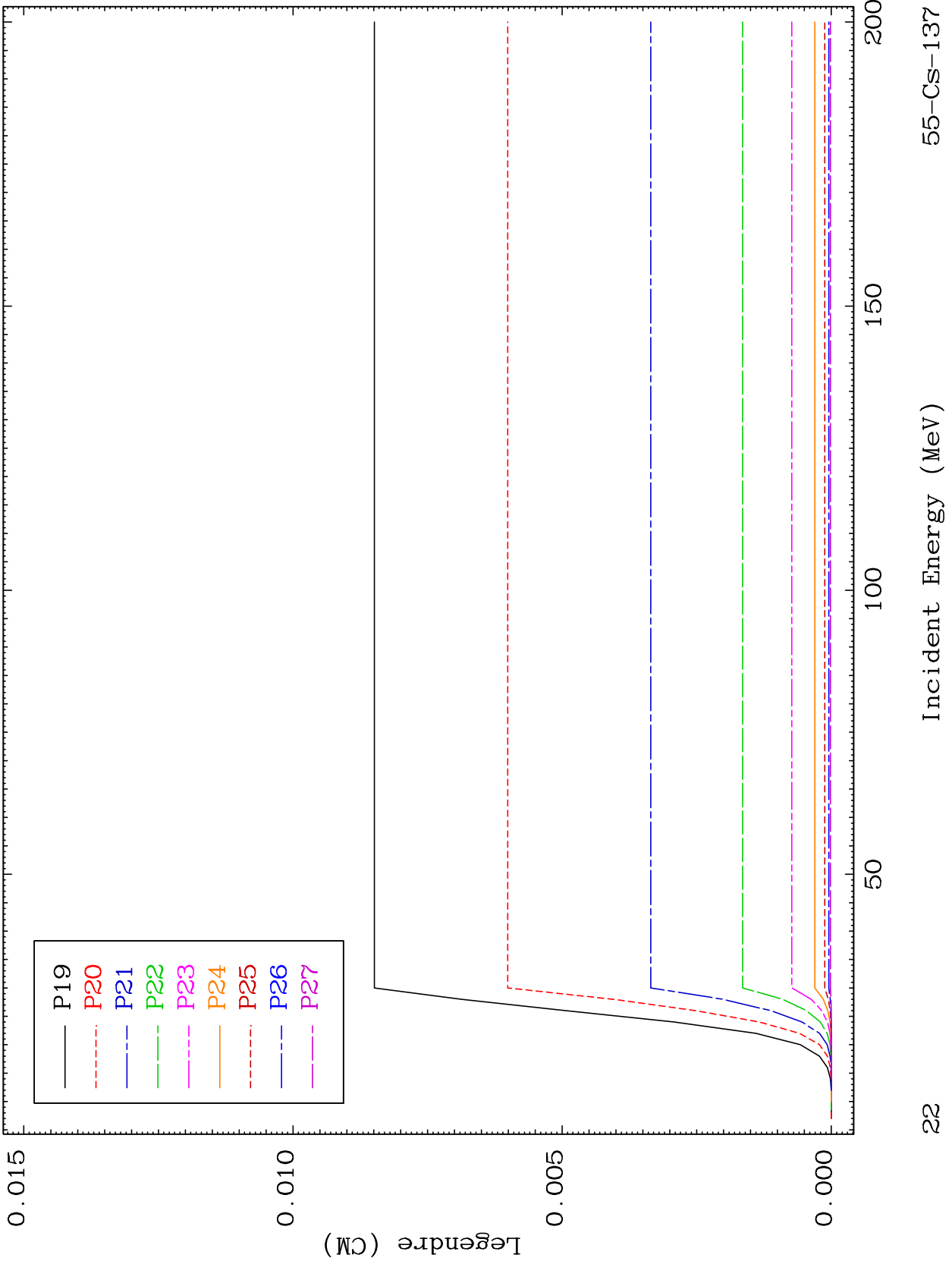
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



22

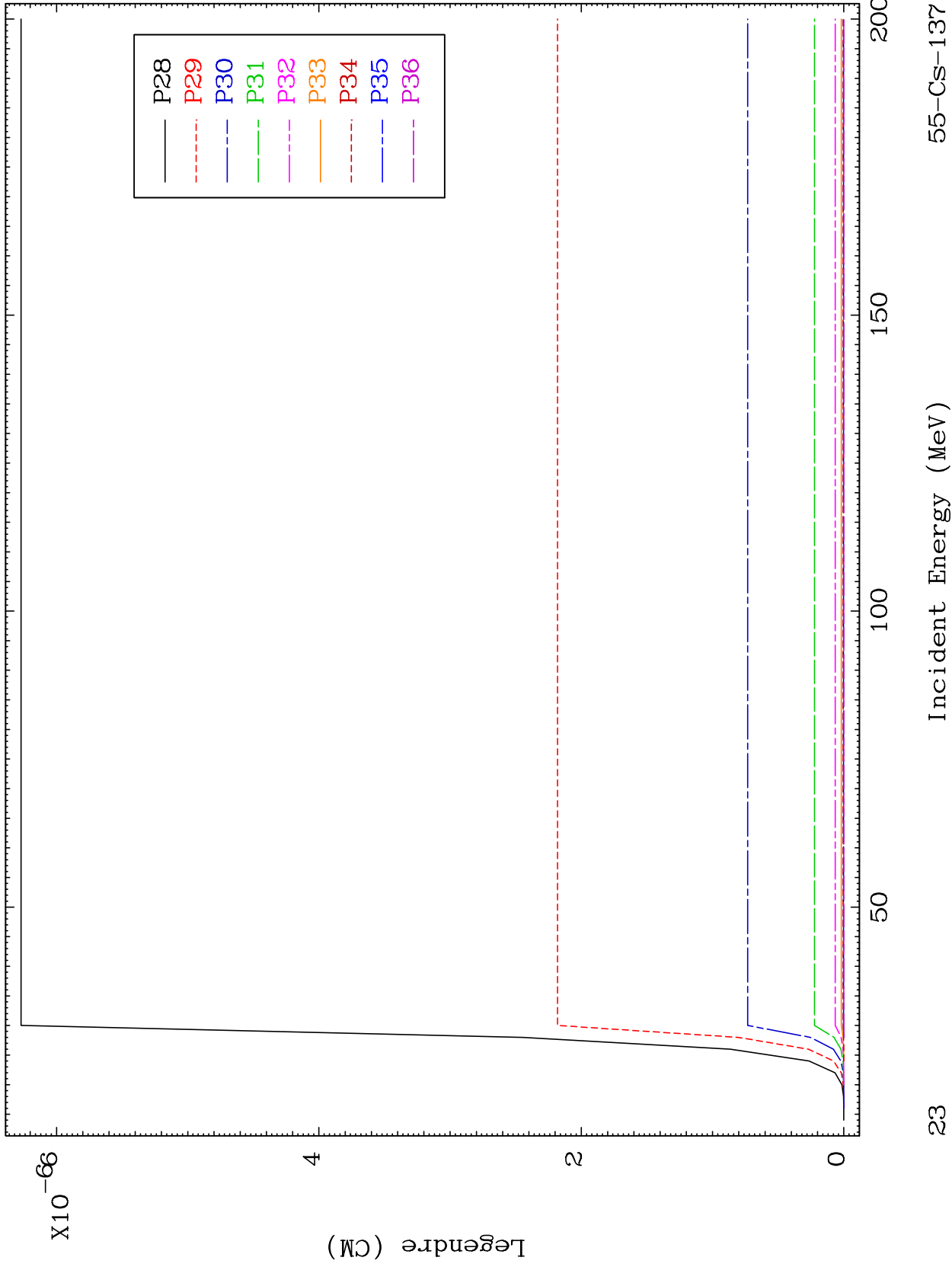
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137

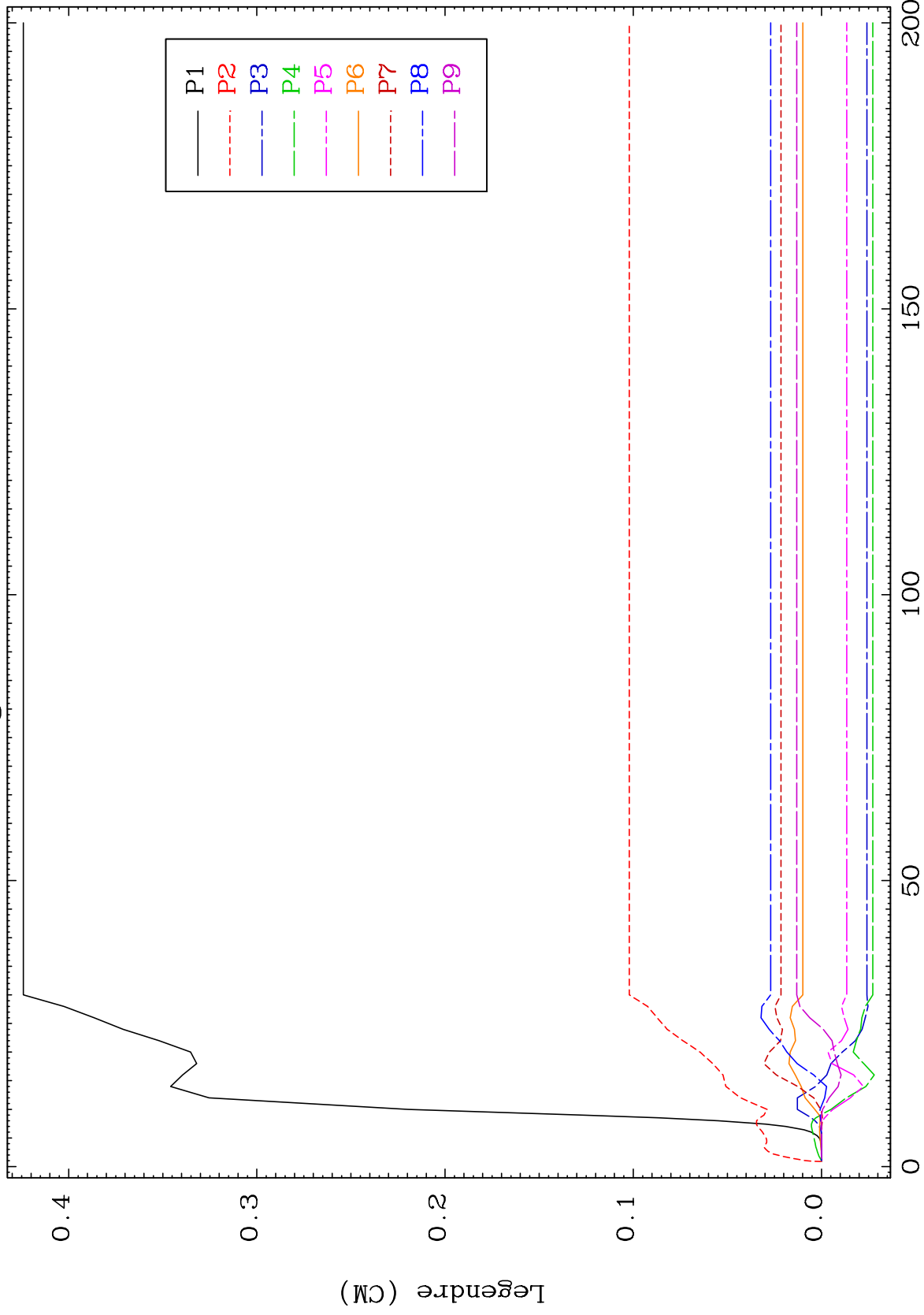




MAT 5537

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

55-Cs-137



24

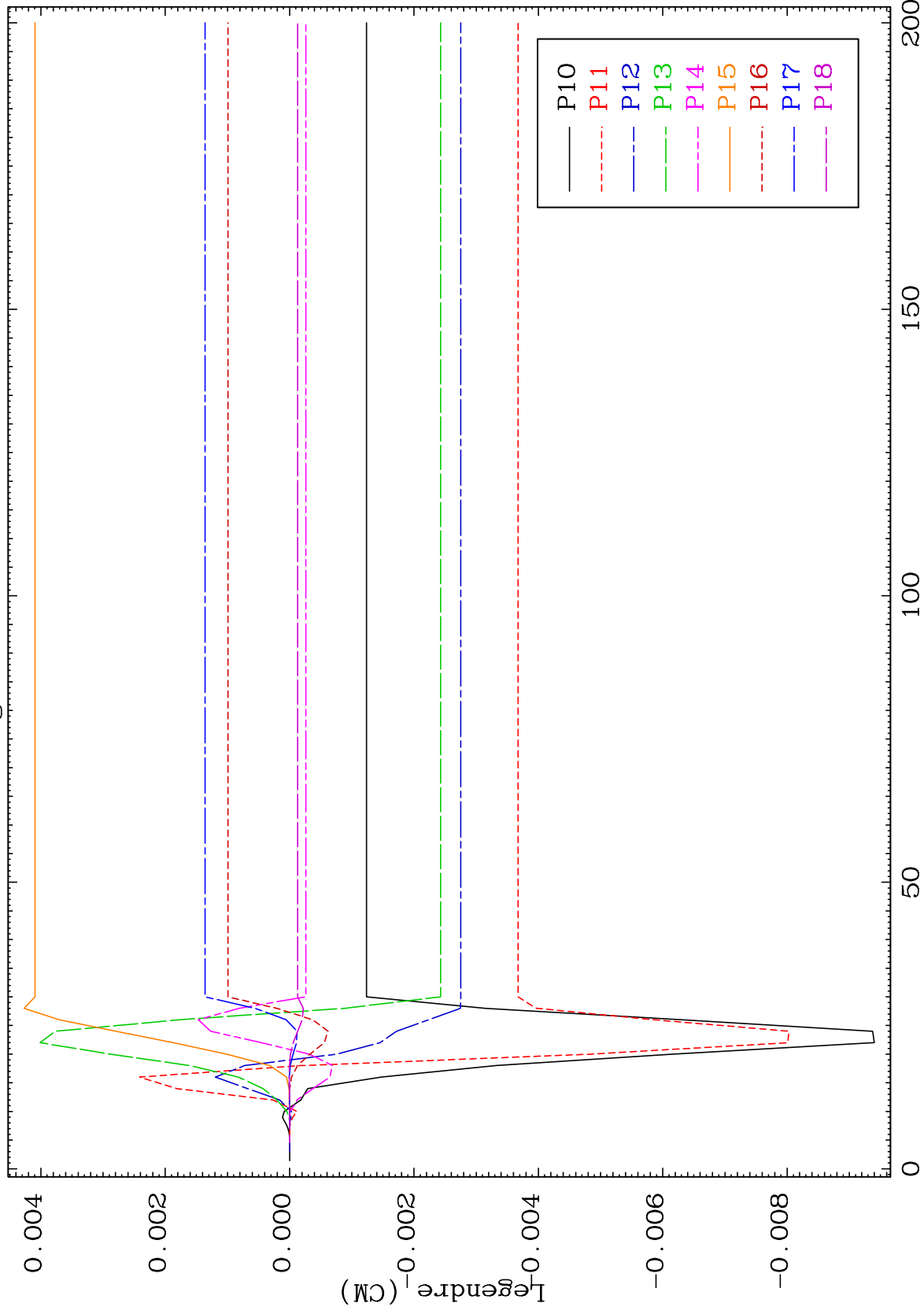
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



25

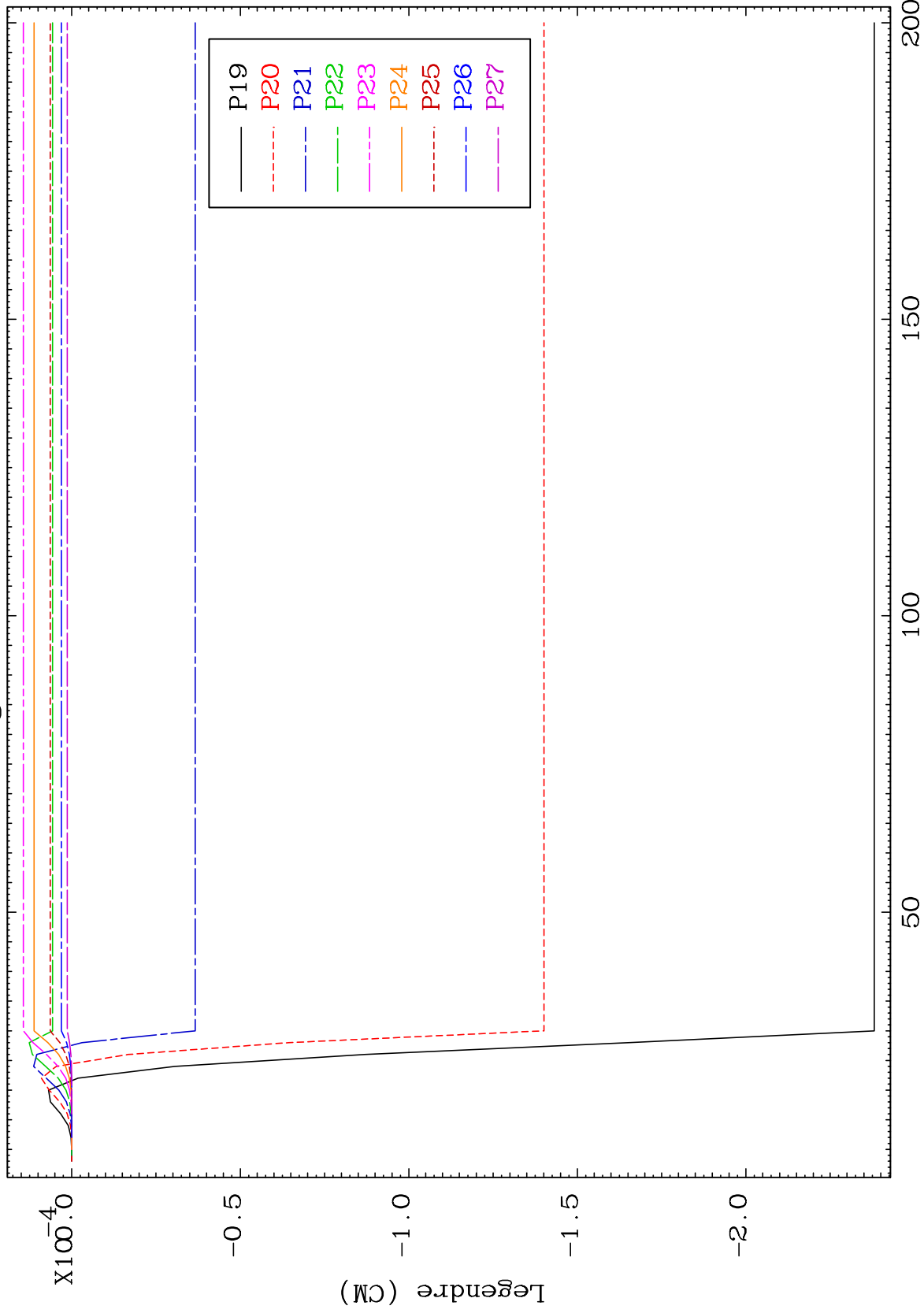
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



26

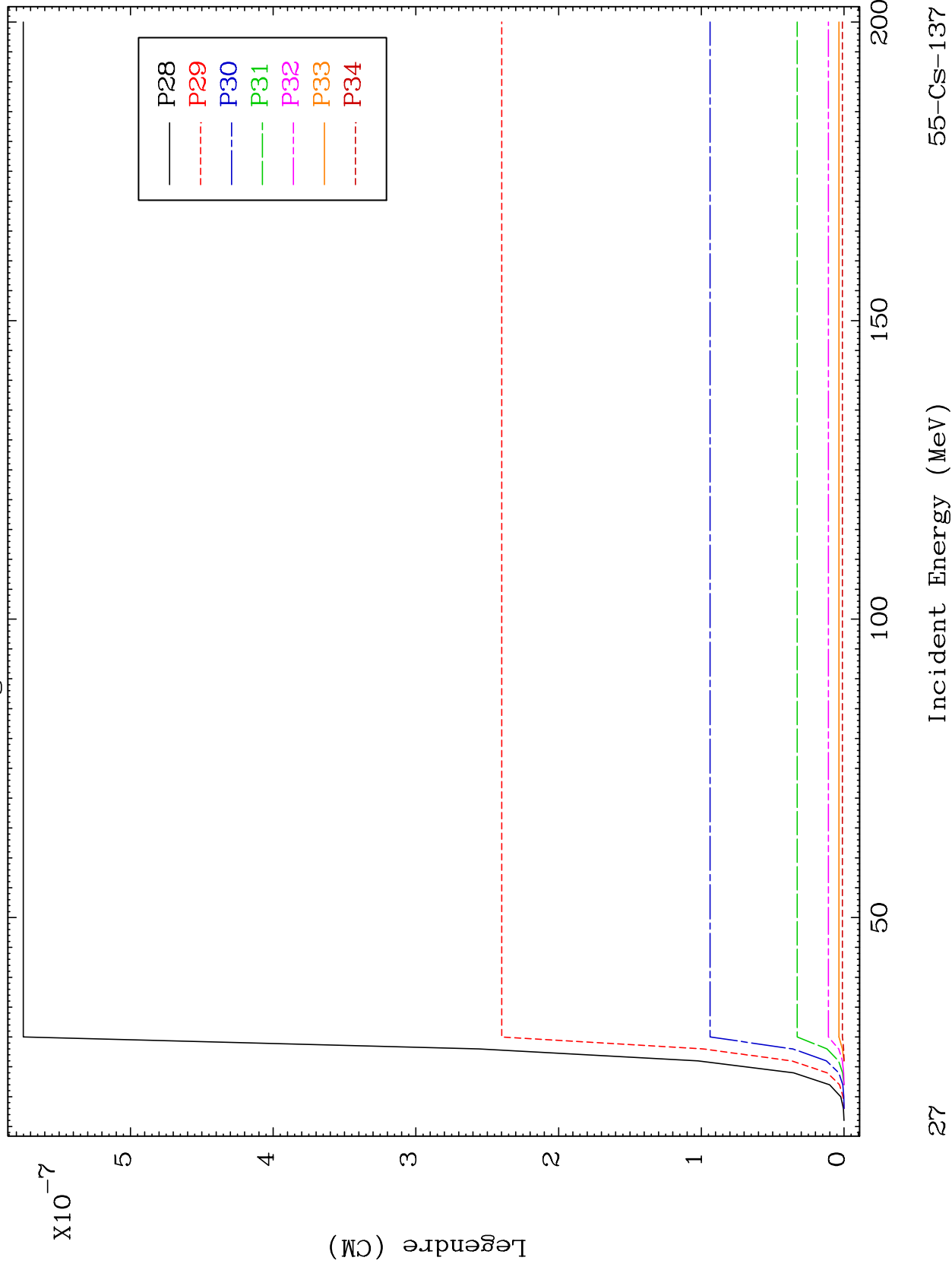
Incident Energy (MeV)

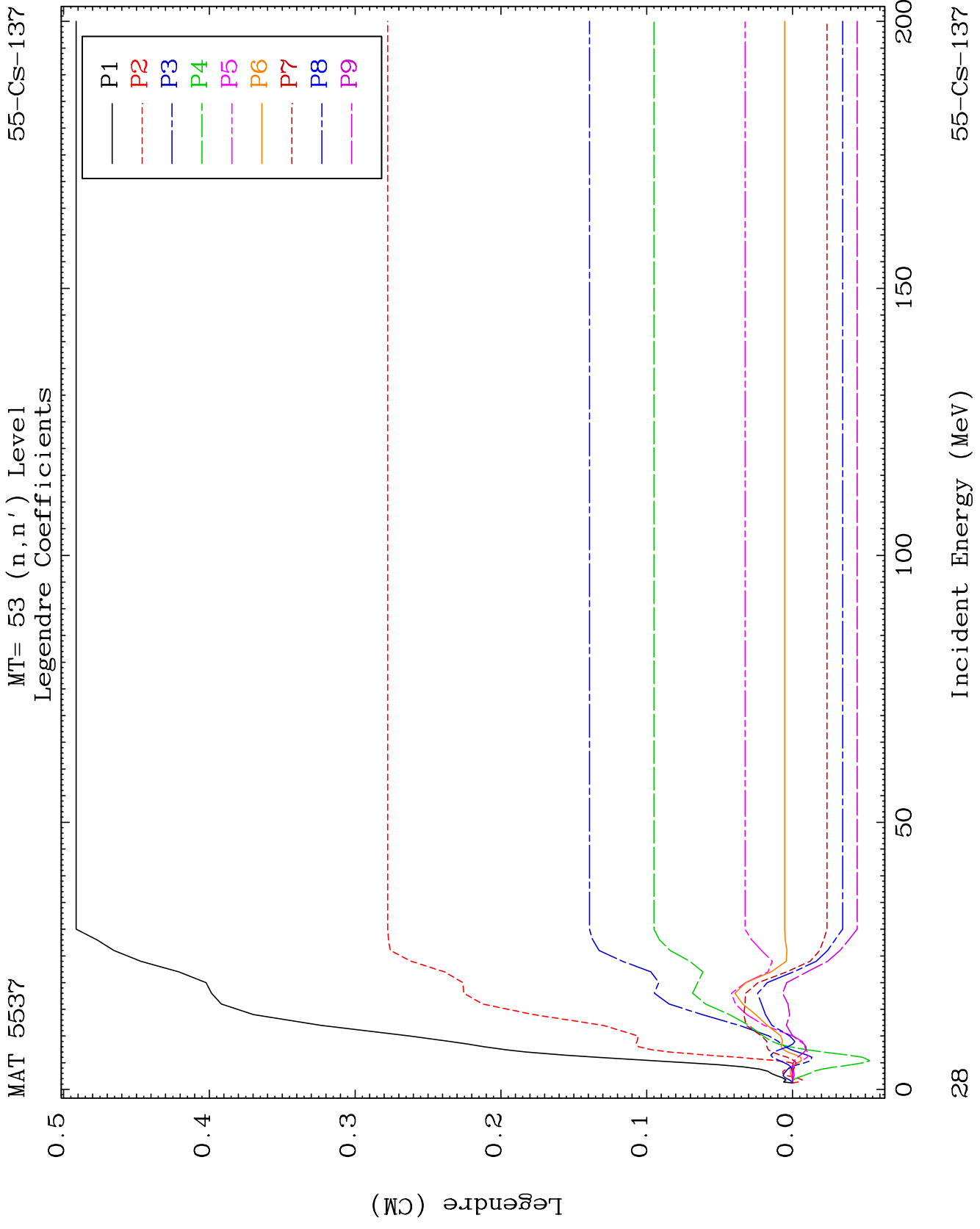
55-Cs-137

MAT 5537

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

55-Cs-137

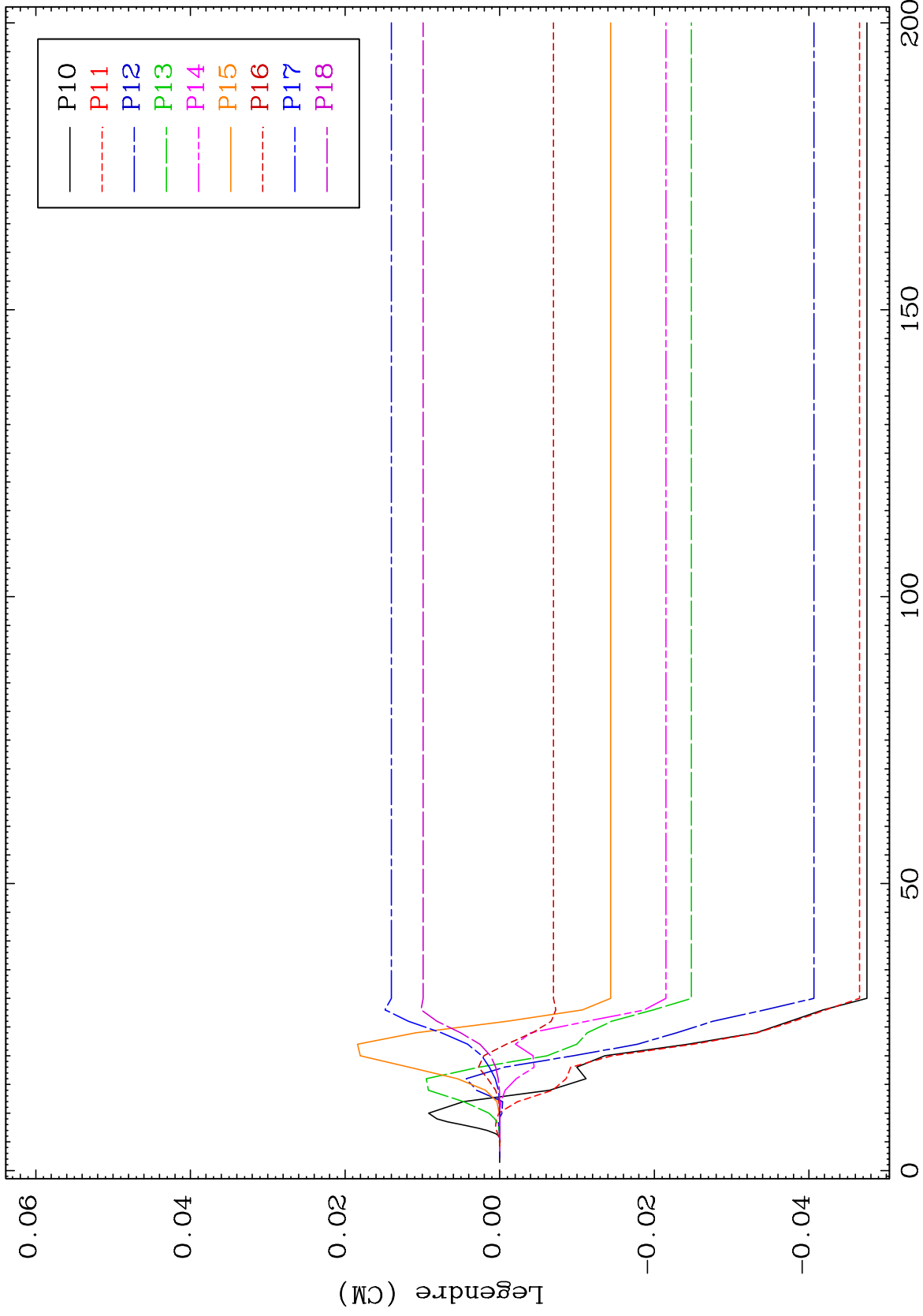




MAT 5537

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

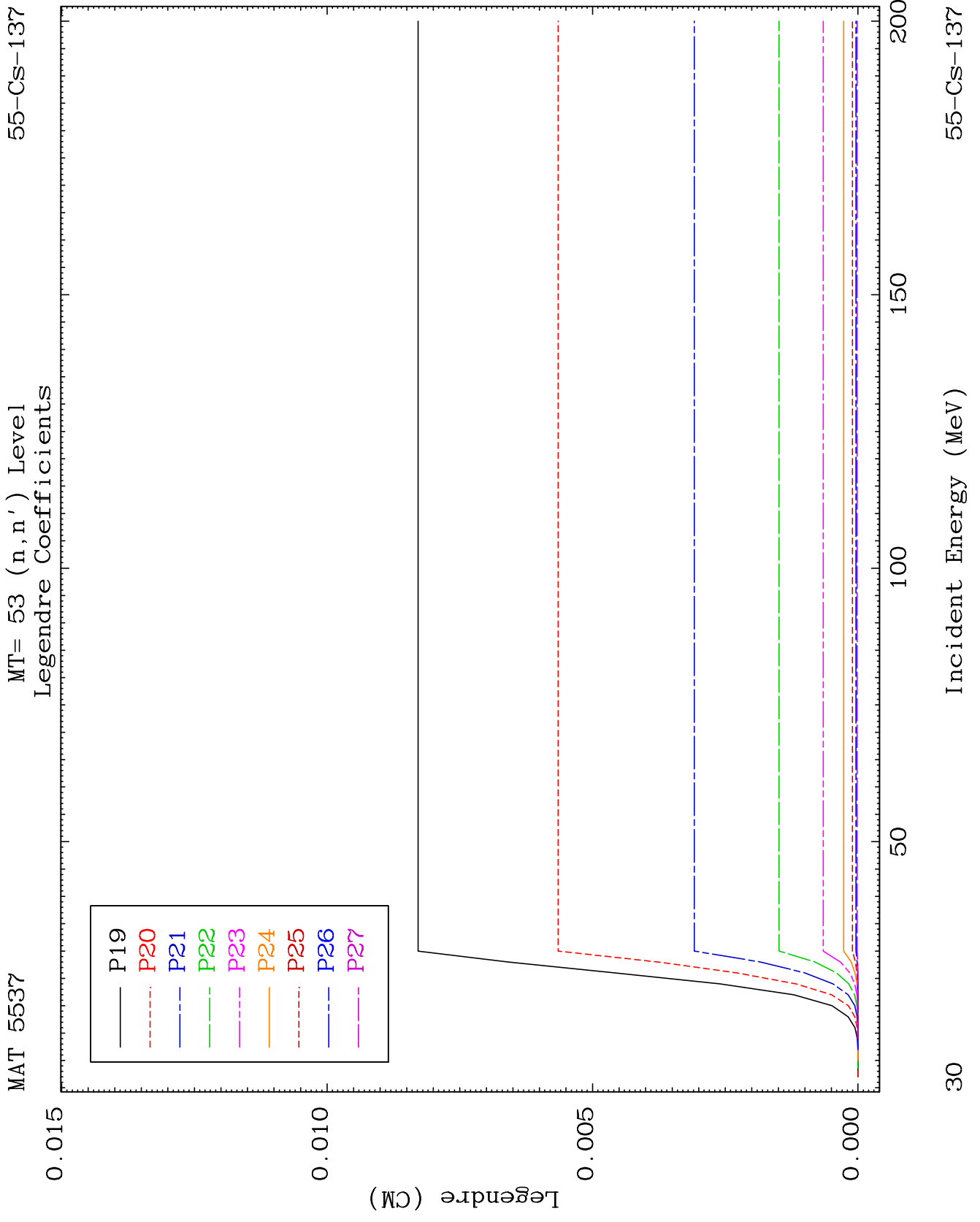
55-Cs-137



29

Incident Energy (MeV)

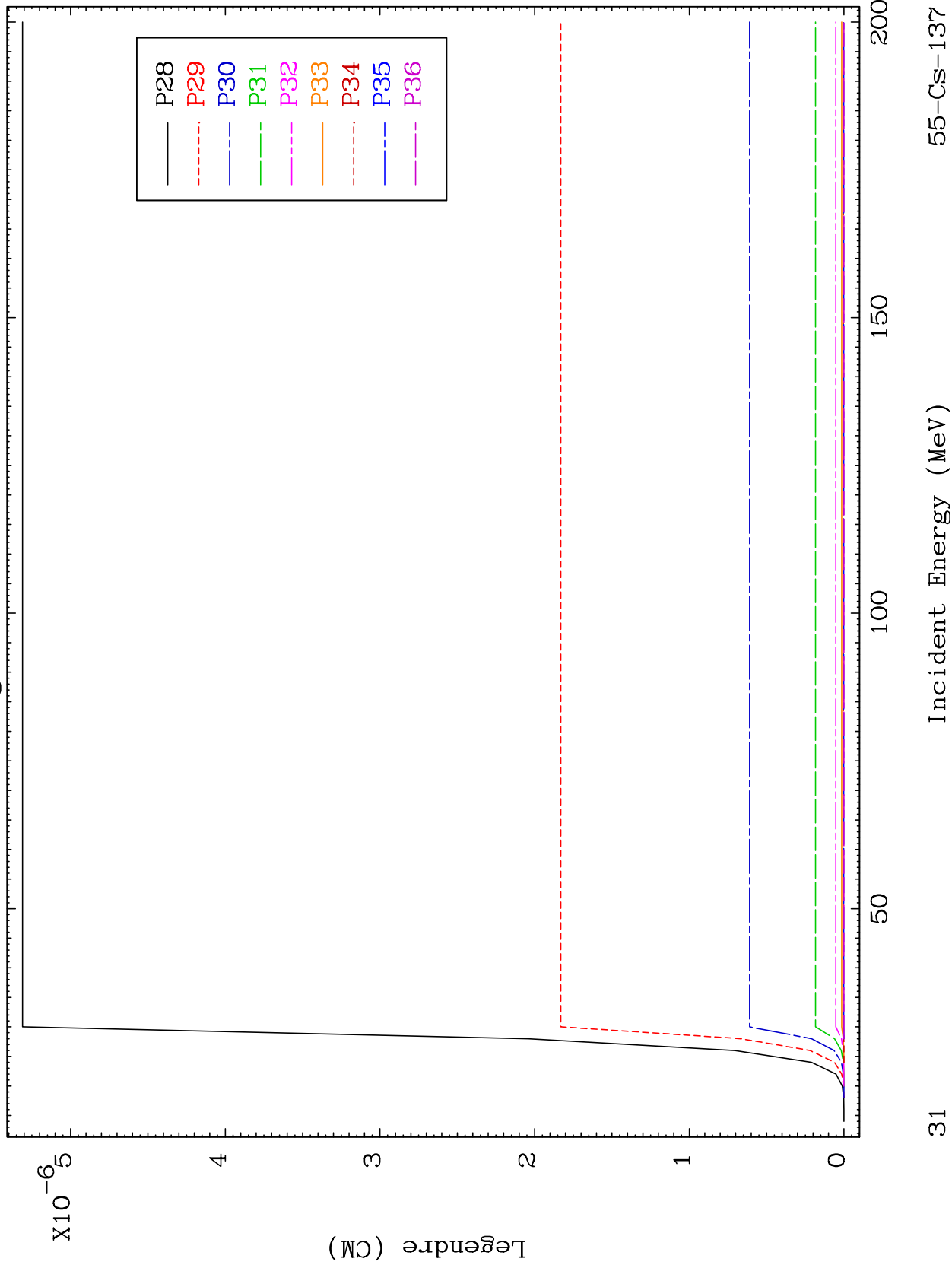
55-Cs-137



MAT 5537

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

55-Cs-137

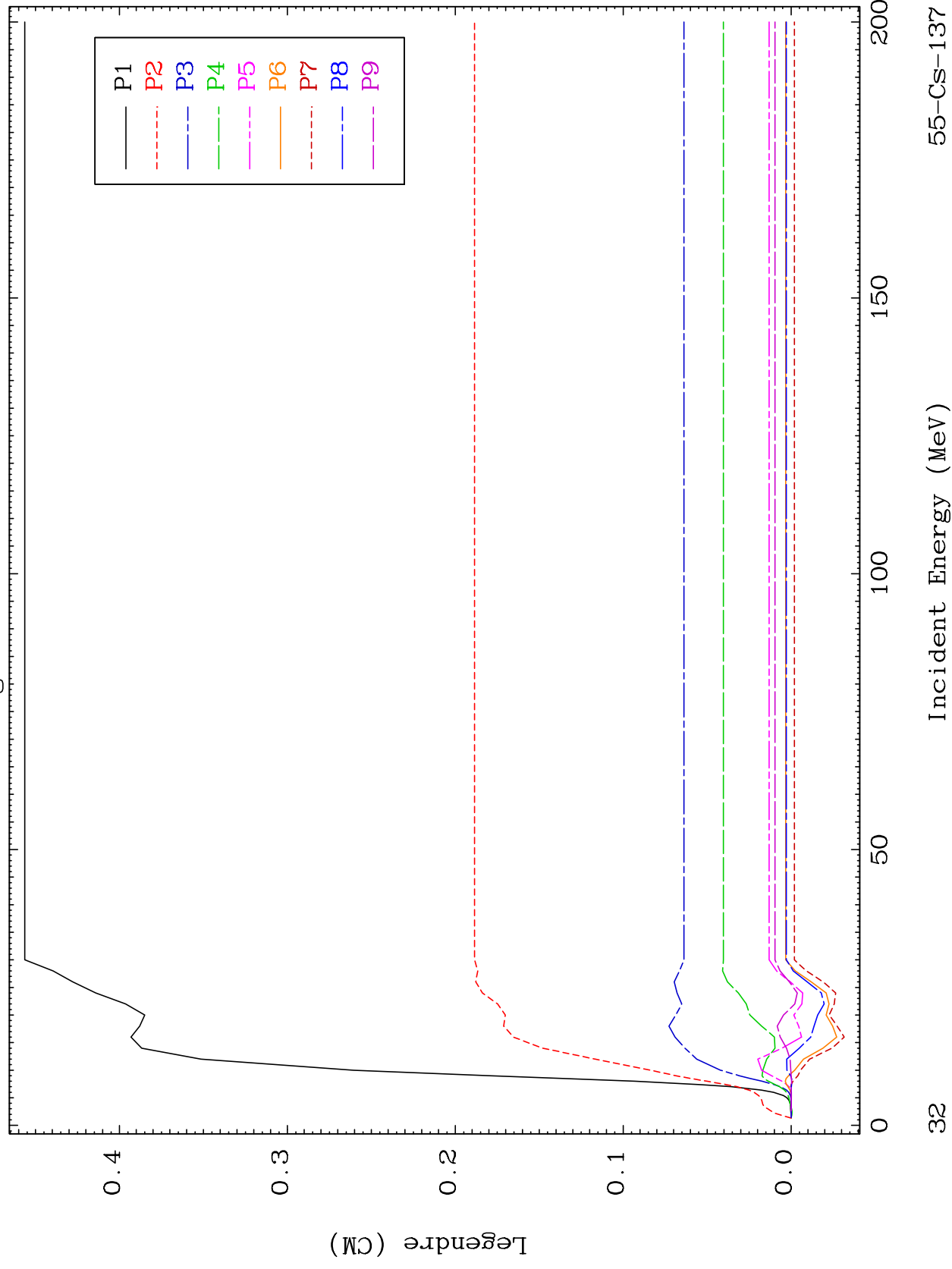




MAT 5537

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

55-Cs-137



55-Cs-137

Incident Energy (MeV)

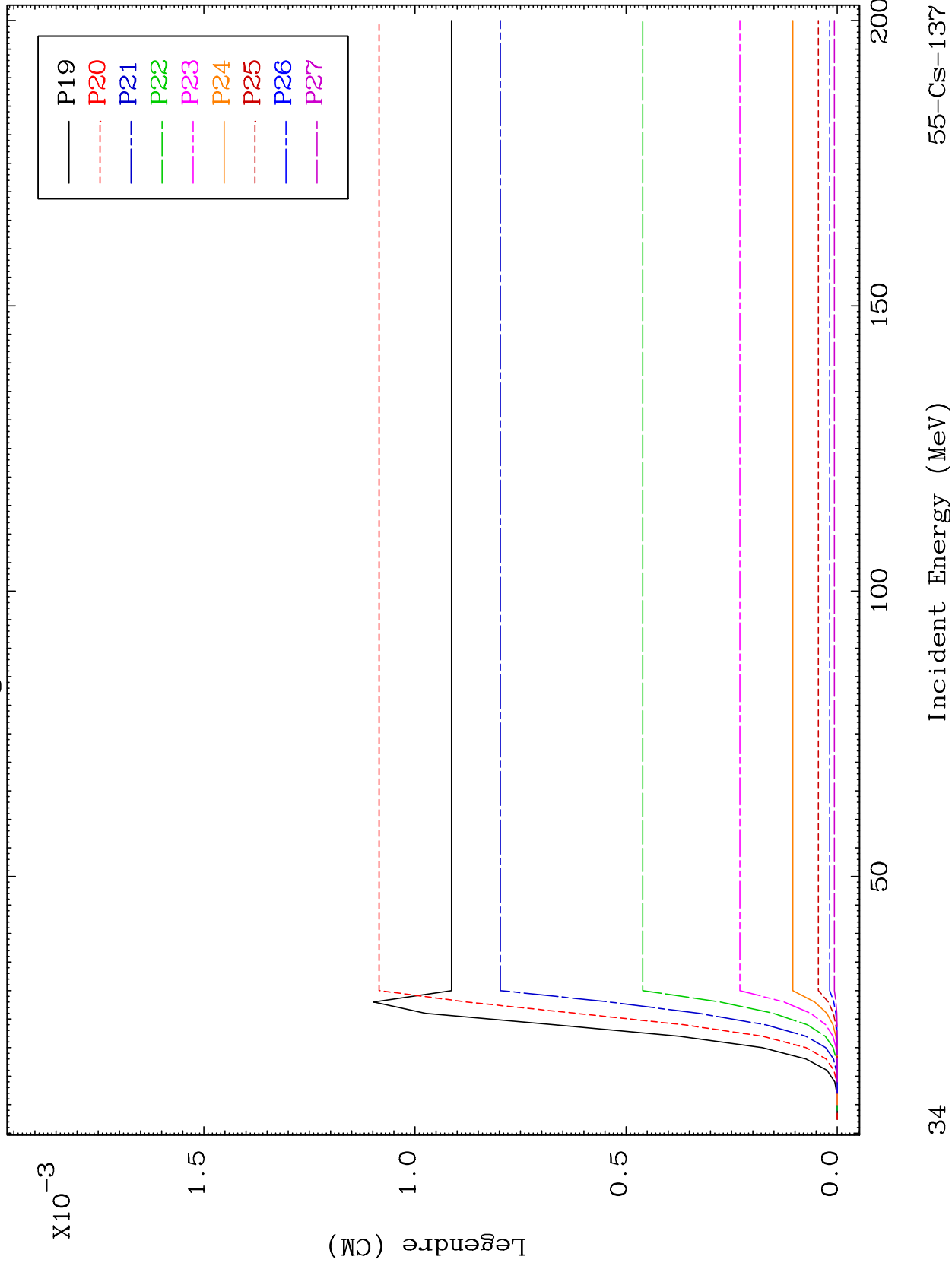
32



MAT 5537

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

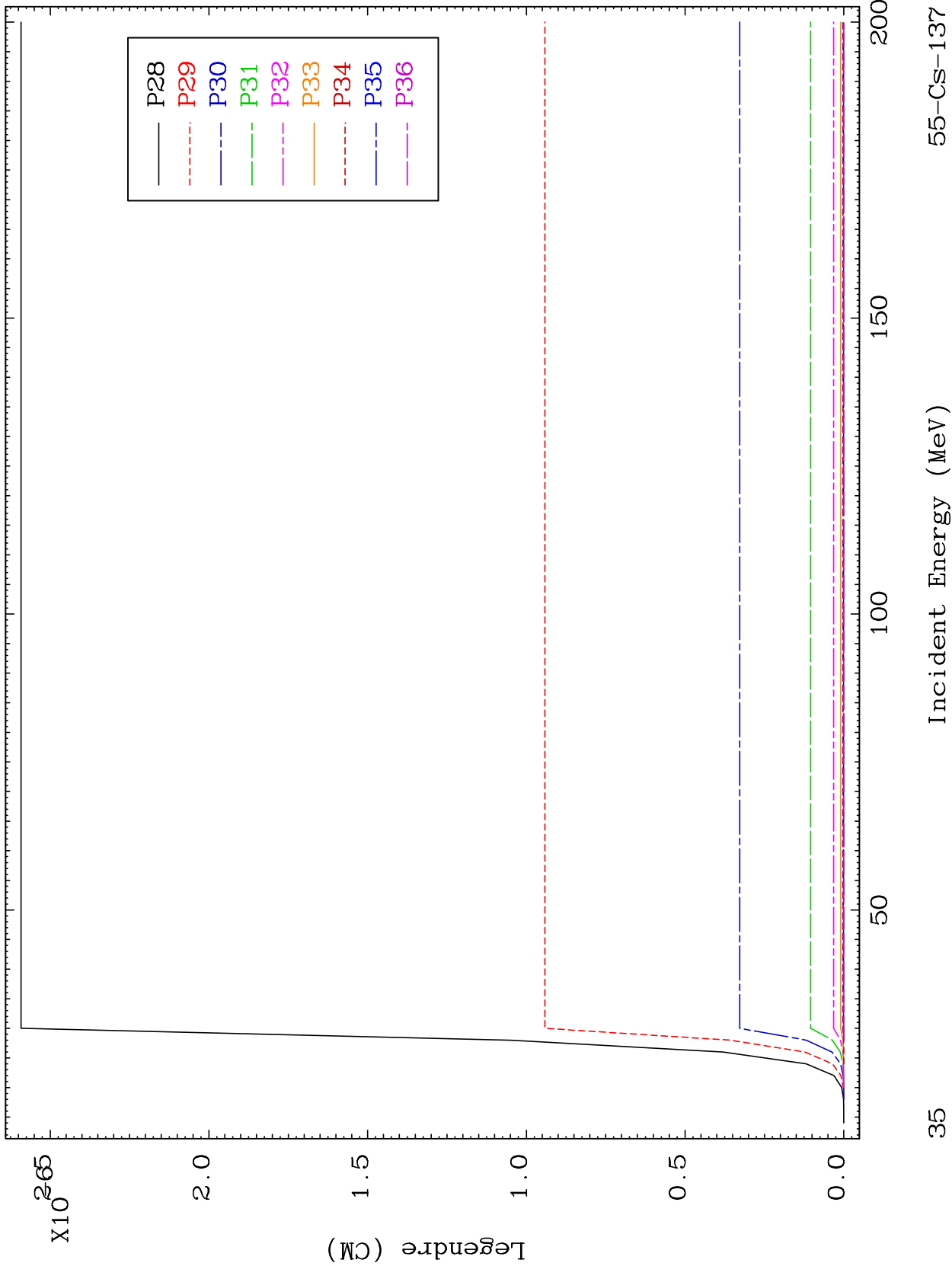
55-Cs-137



MAT 5537

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

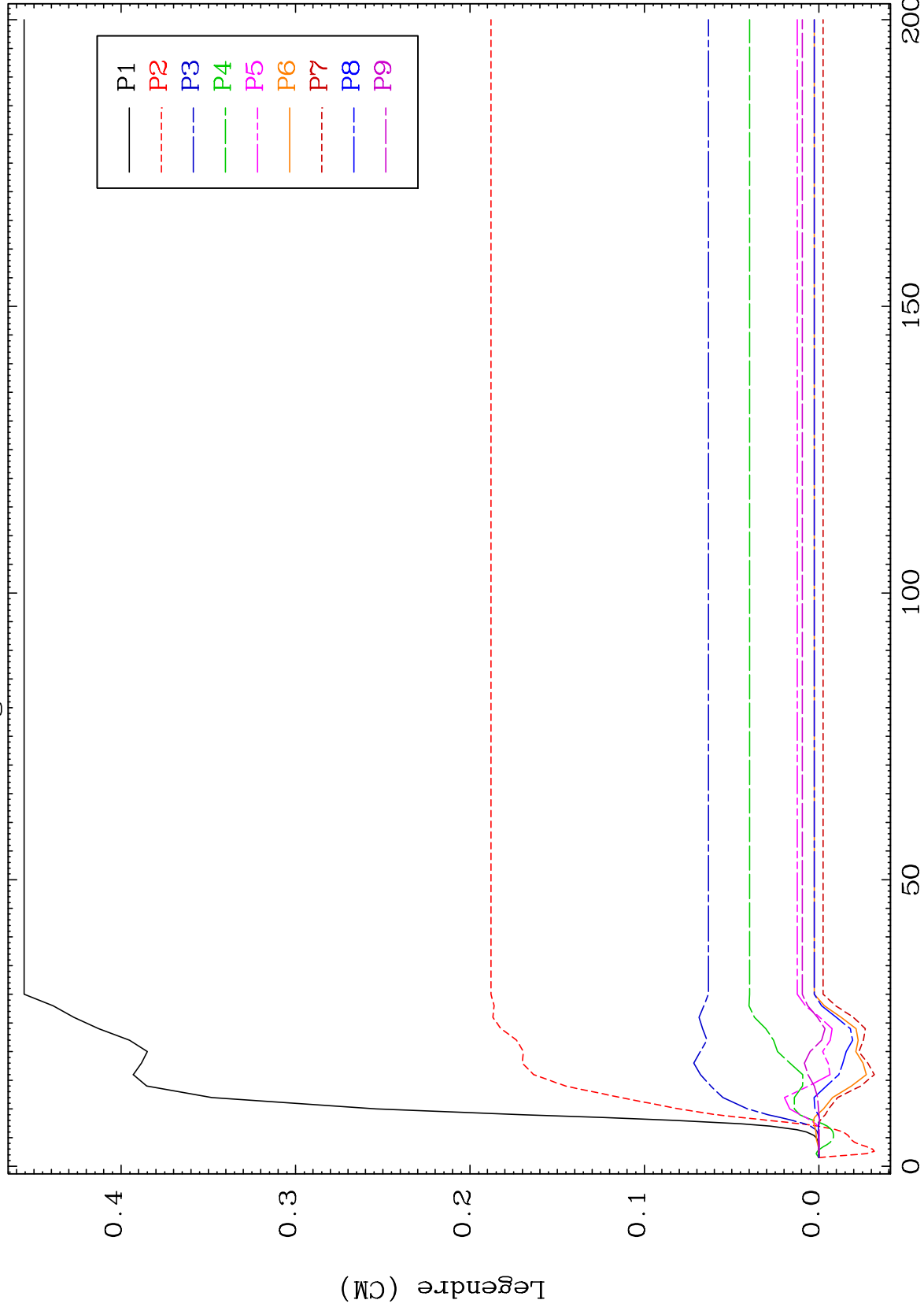
55-Cs-137



MAT 5537

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

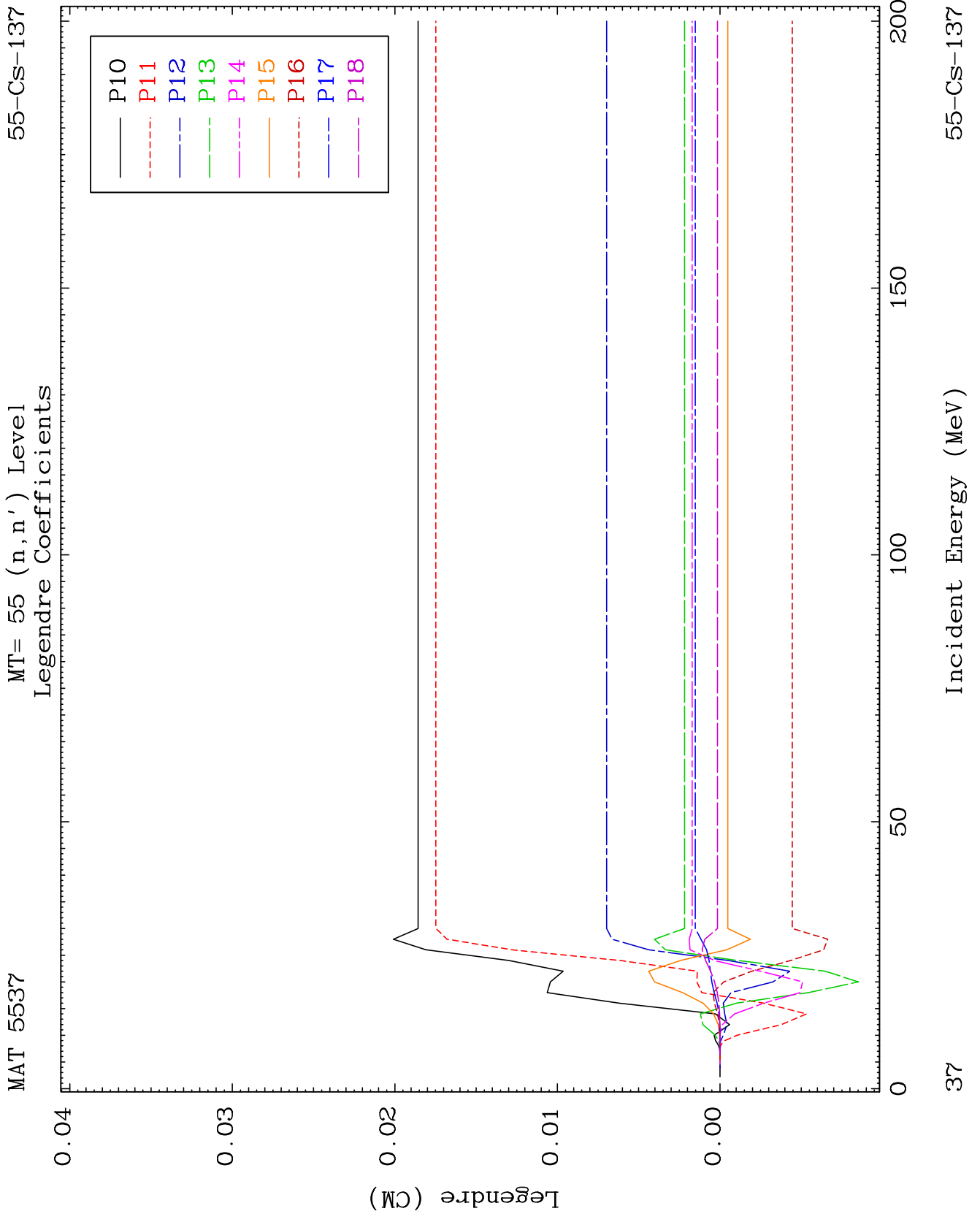
55-Cs-137



55-Cs-137

Incident Energy (MeV)

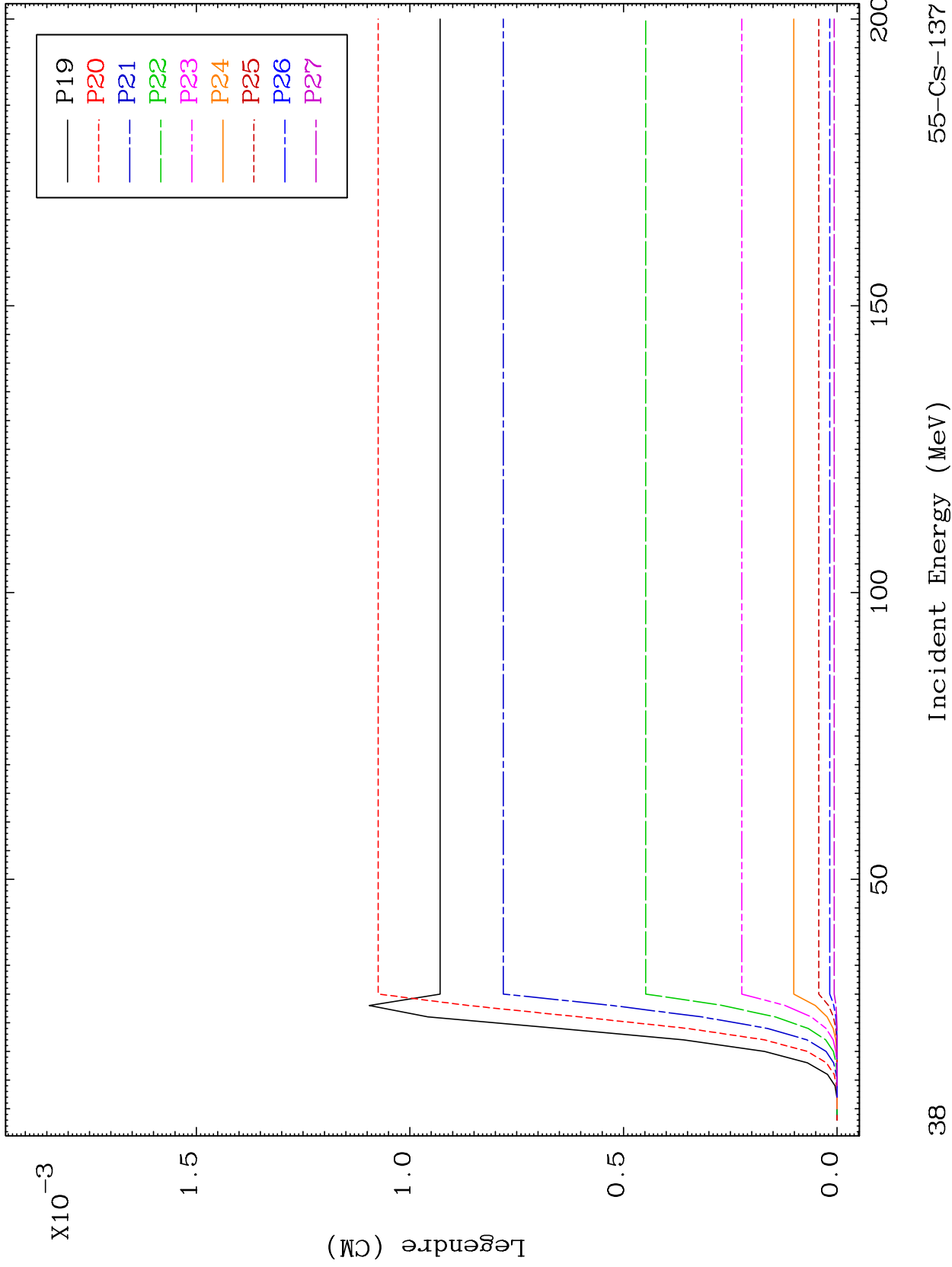
36



MAT 5537

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

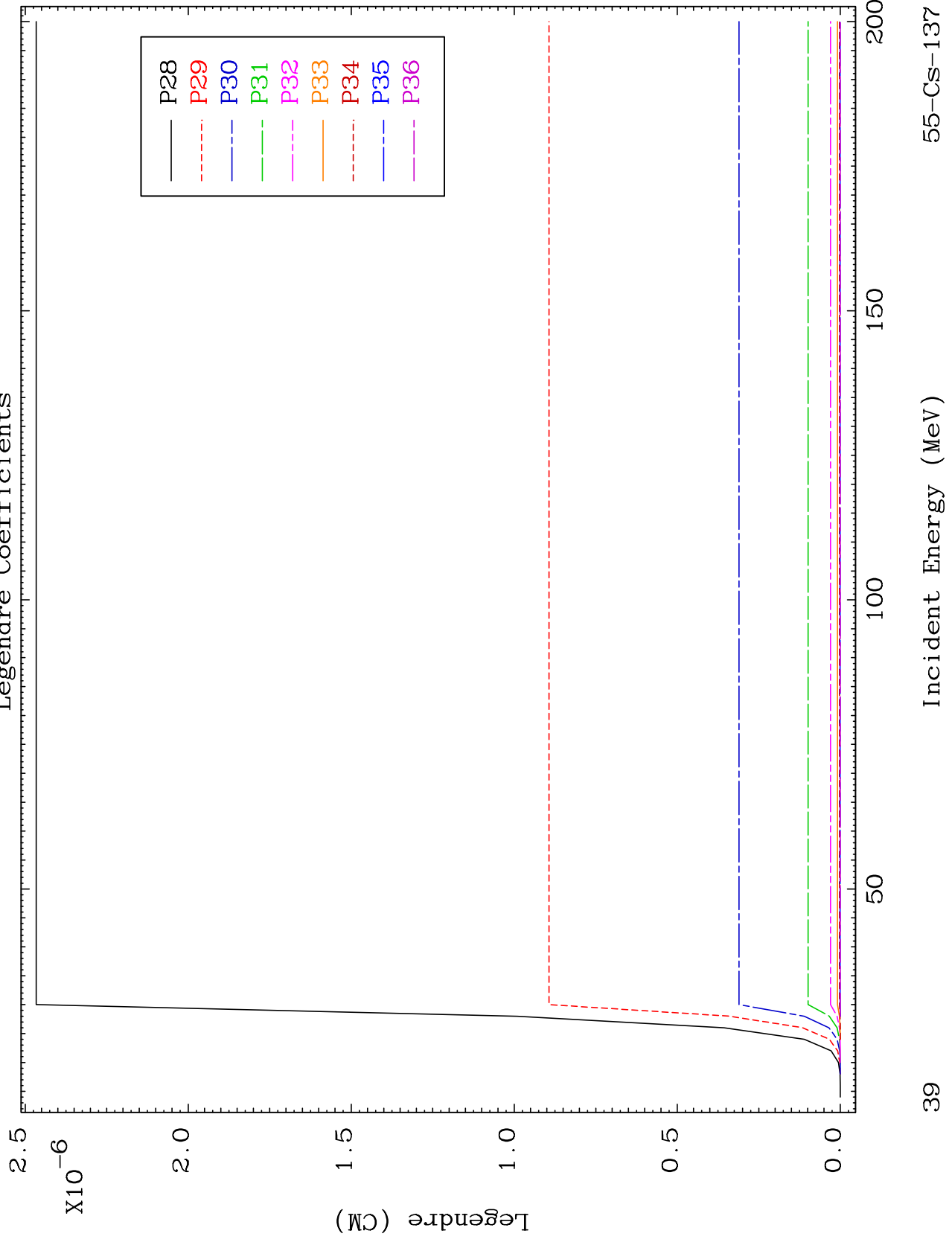
55-Cs-137



MAT 5537

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

55-Cs-137



39

Incident Energy (MeV)

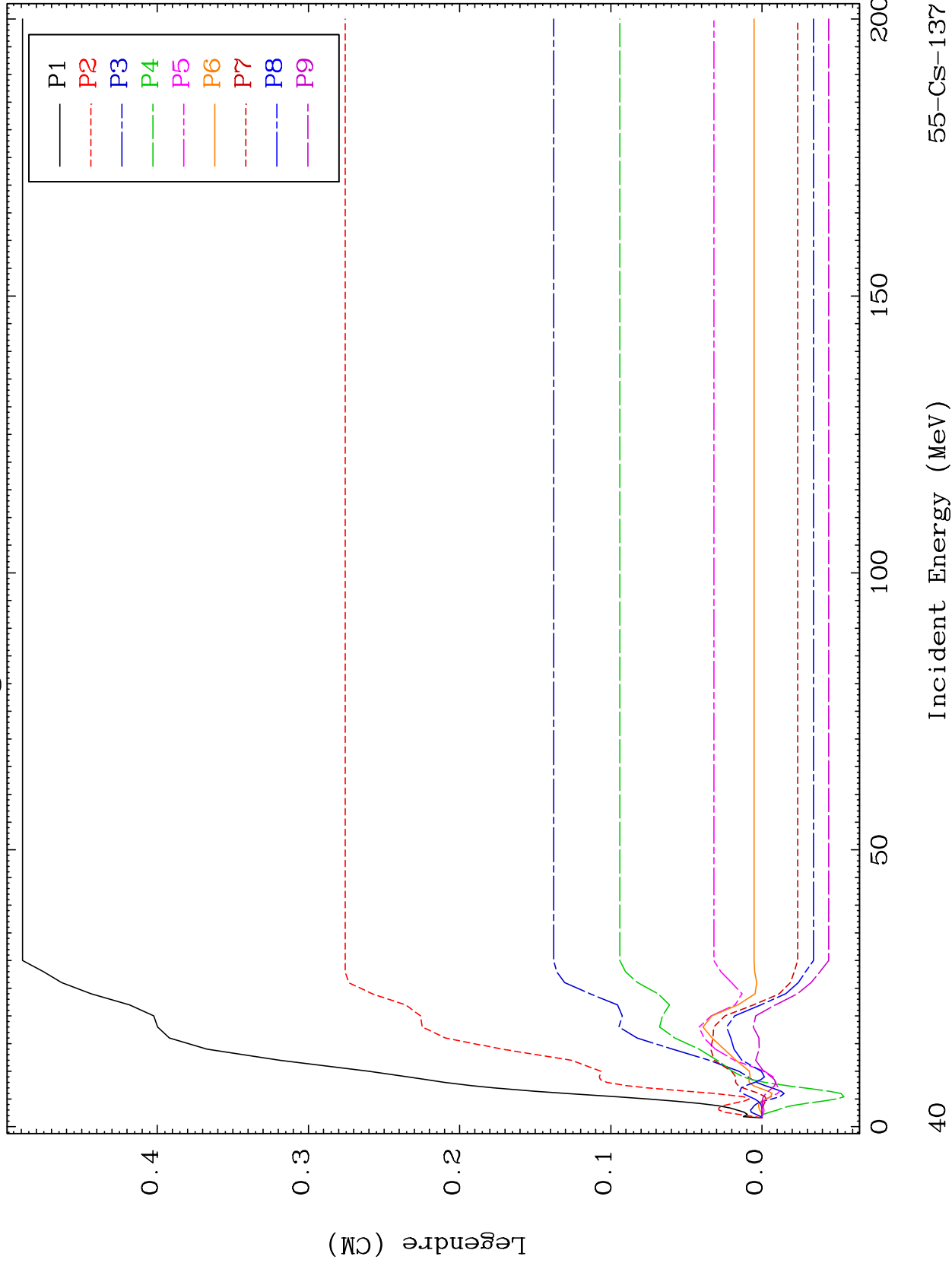
55-Cs-137



MAT 5537

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

55-Cs-137

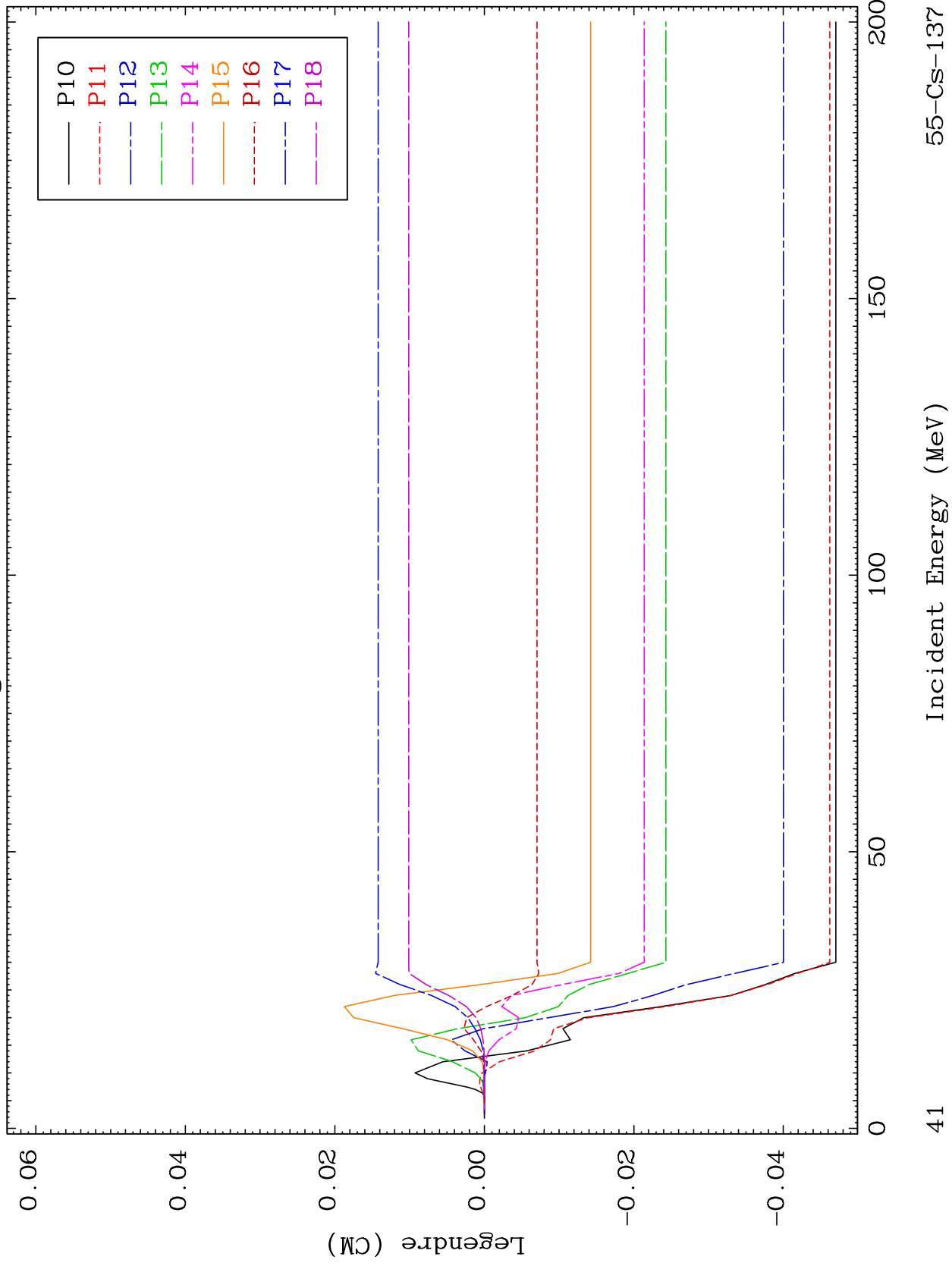


55-Cs-137

MAT 5537

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

55-Cs-137



41

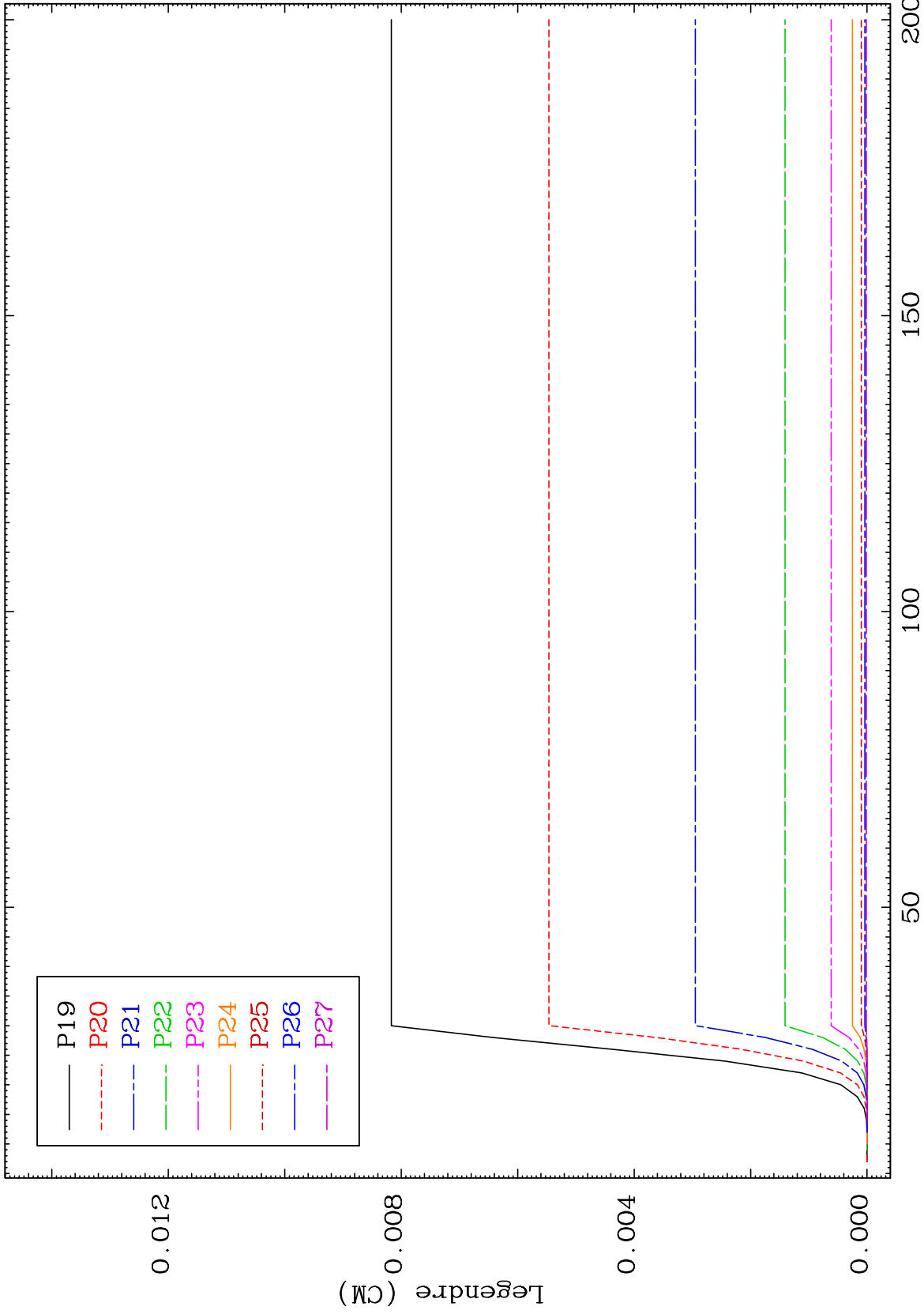
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



42

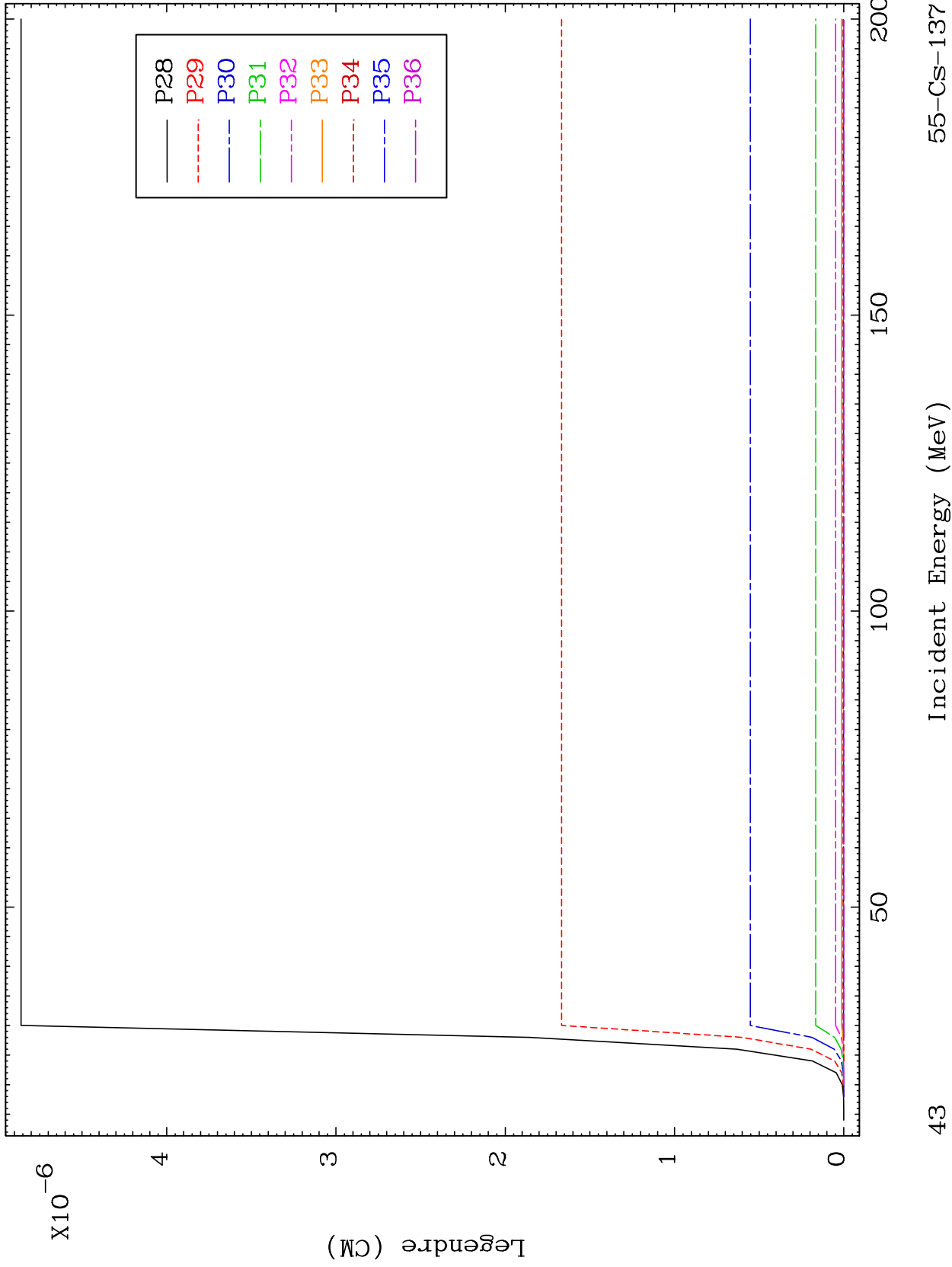
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



43

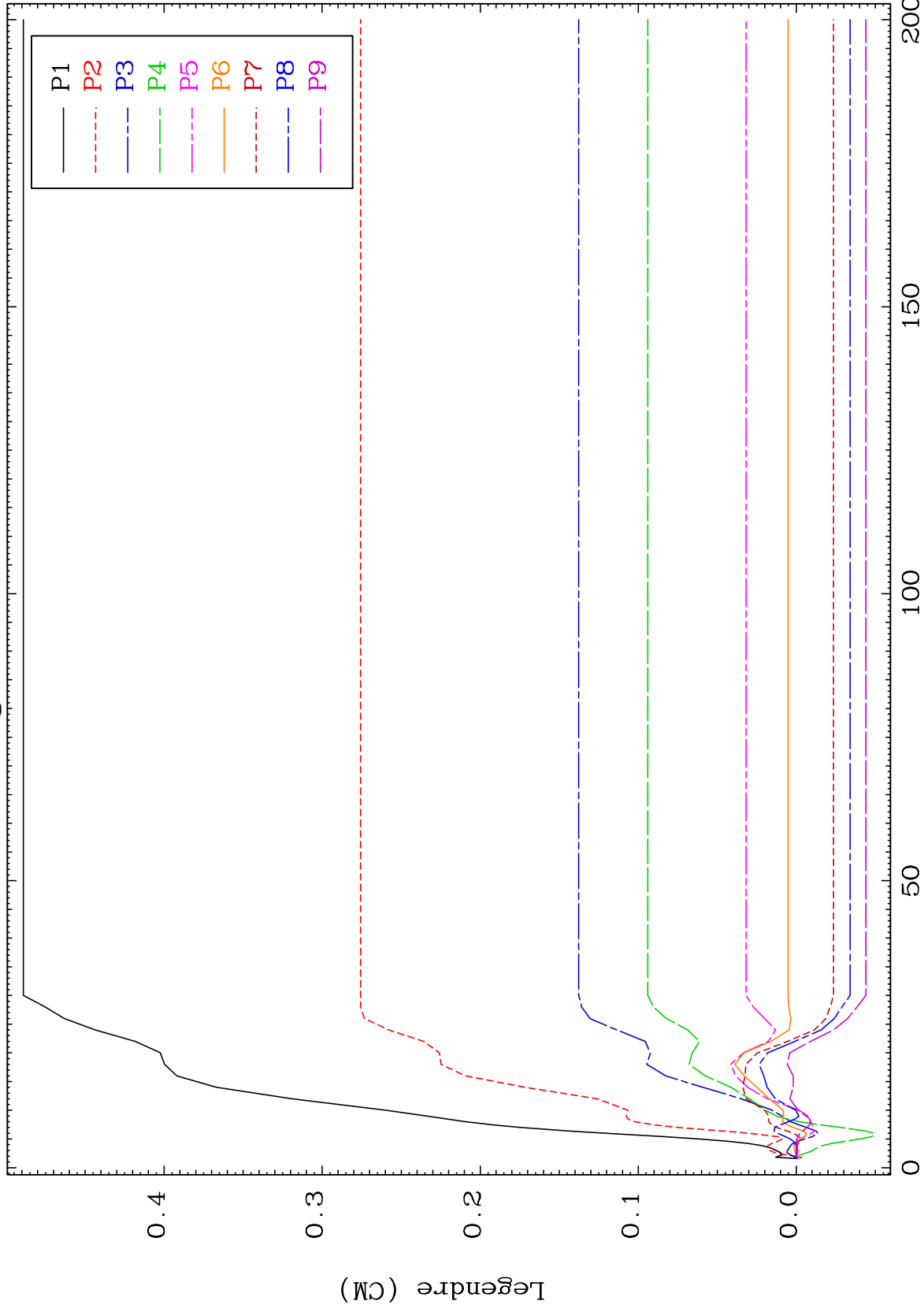
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



44

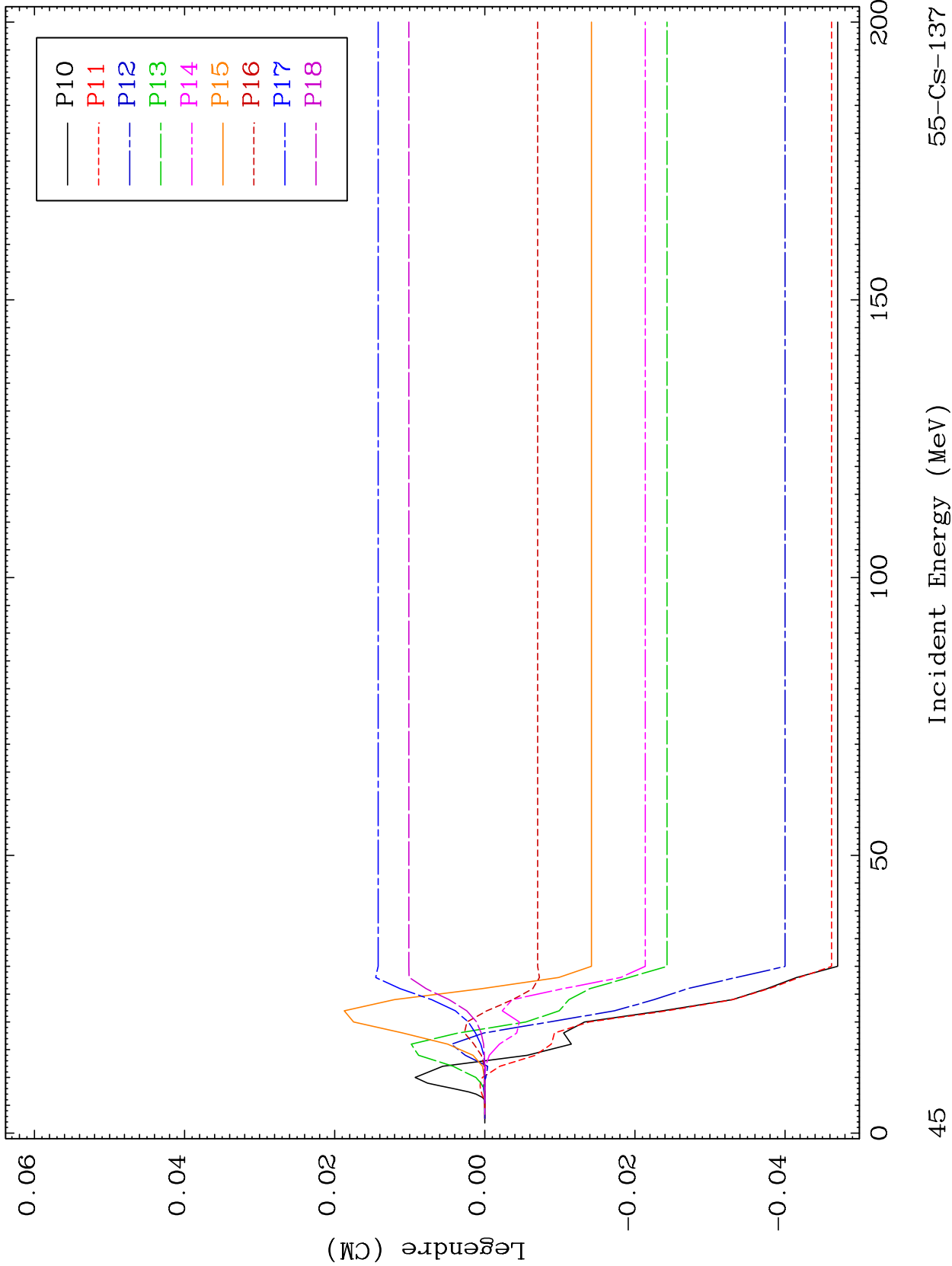
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



55-Cs-137

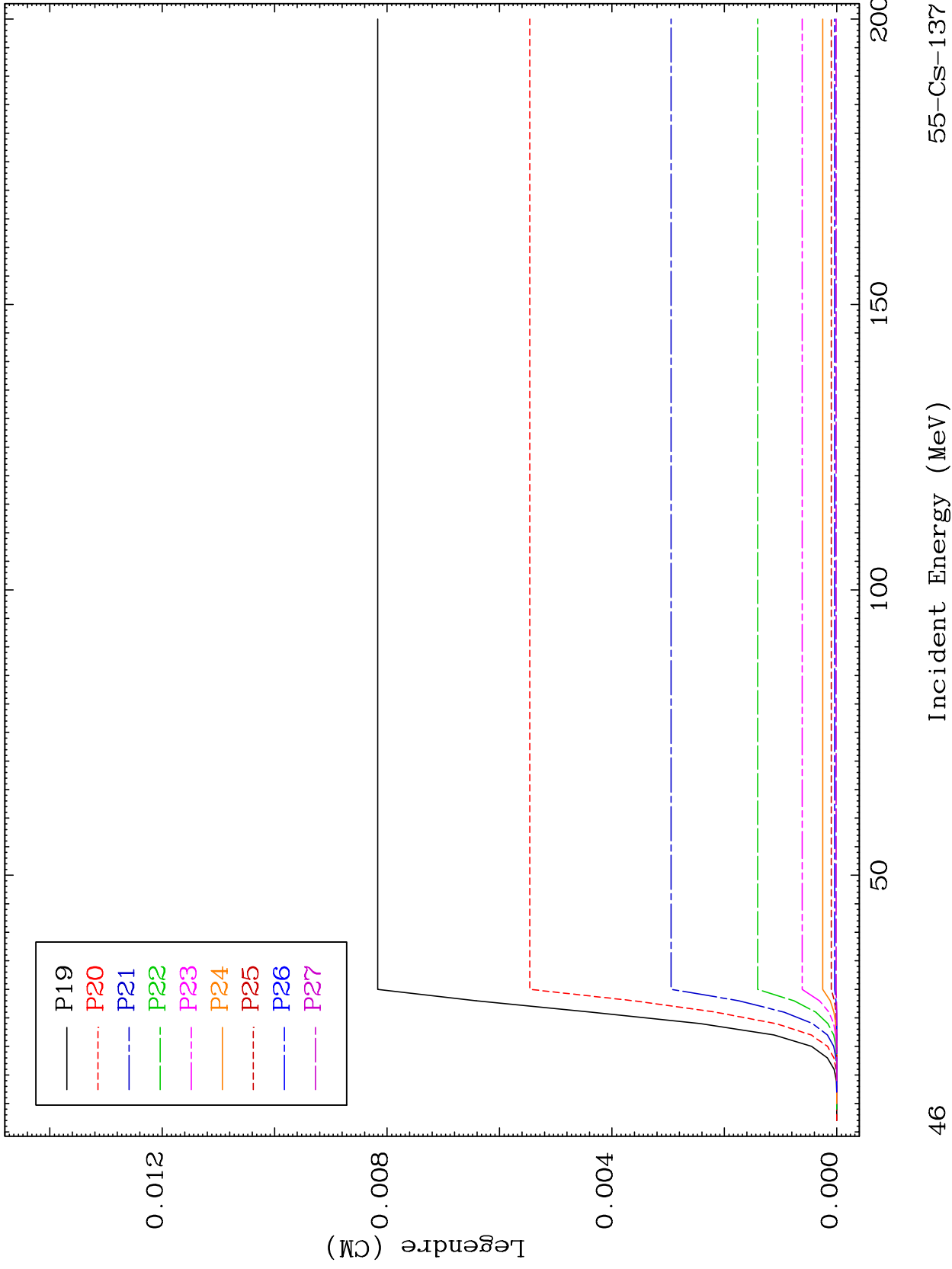
Incident Energy (MeV)

45

MAT 5537

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

55-Cs-137



46

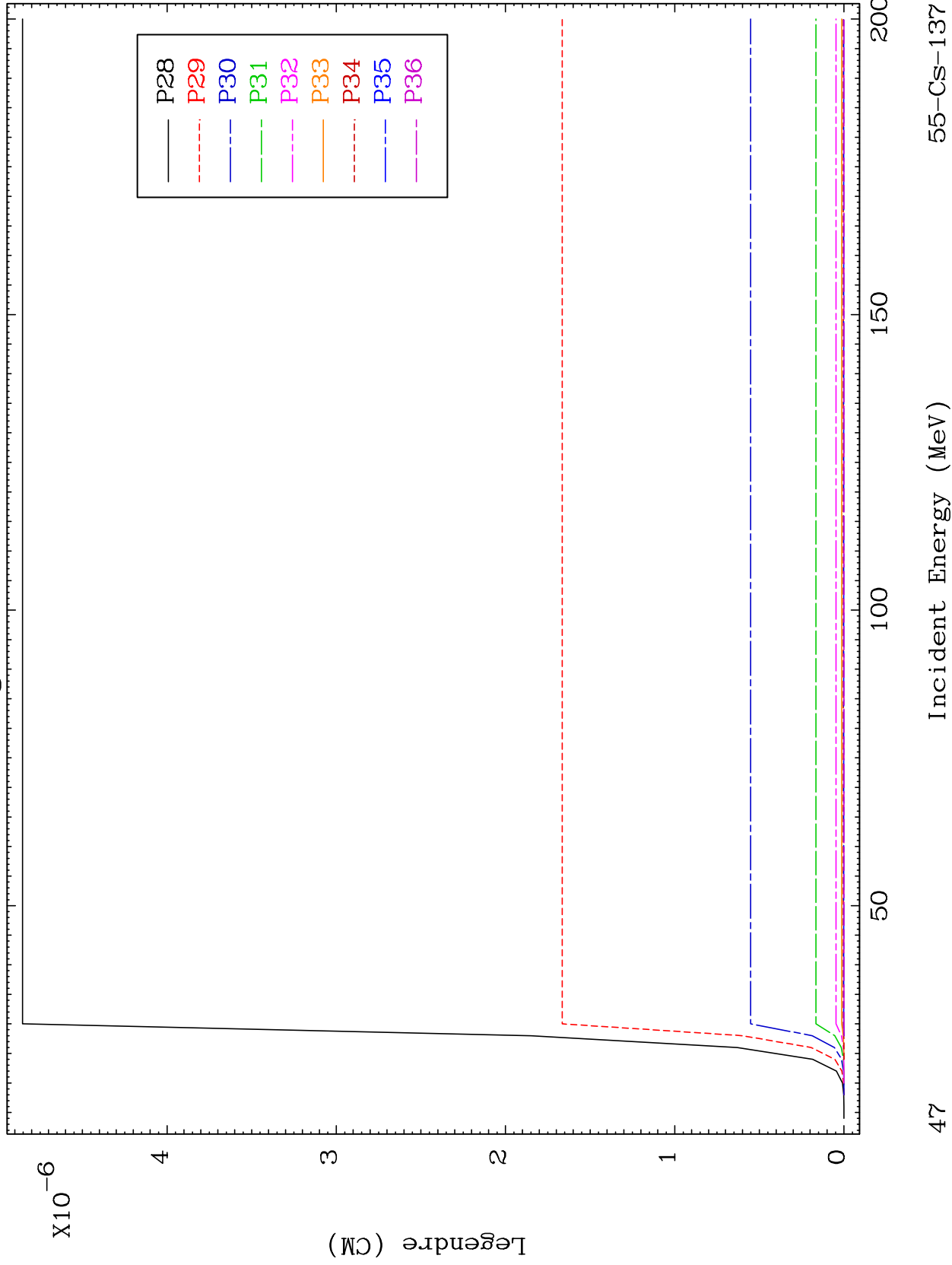
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137

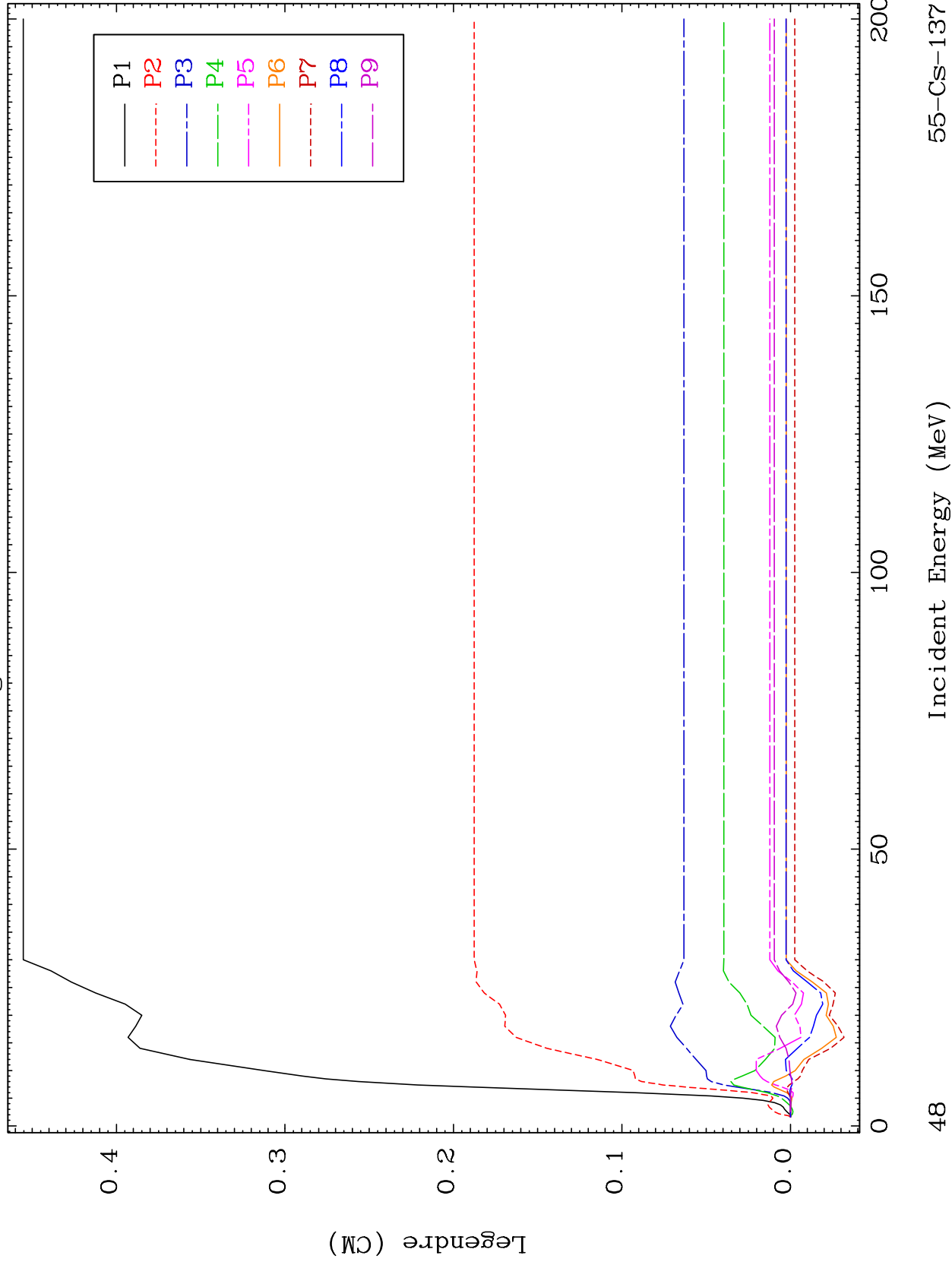




MAT 5537

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

55-Cs-137



55-Cs-137

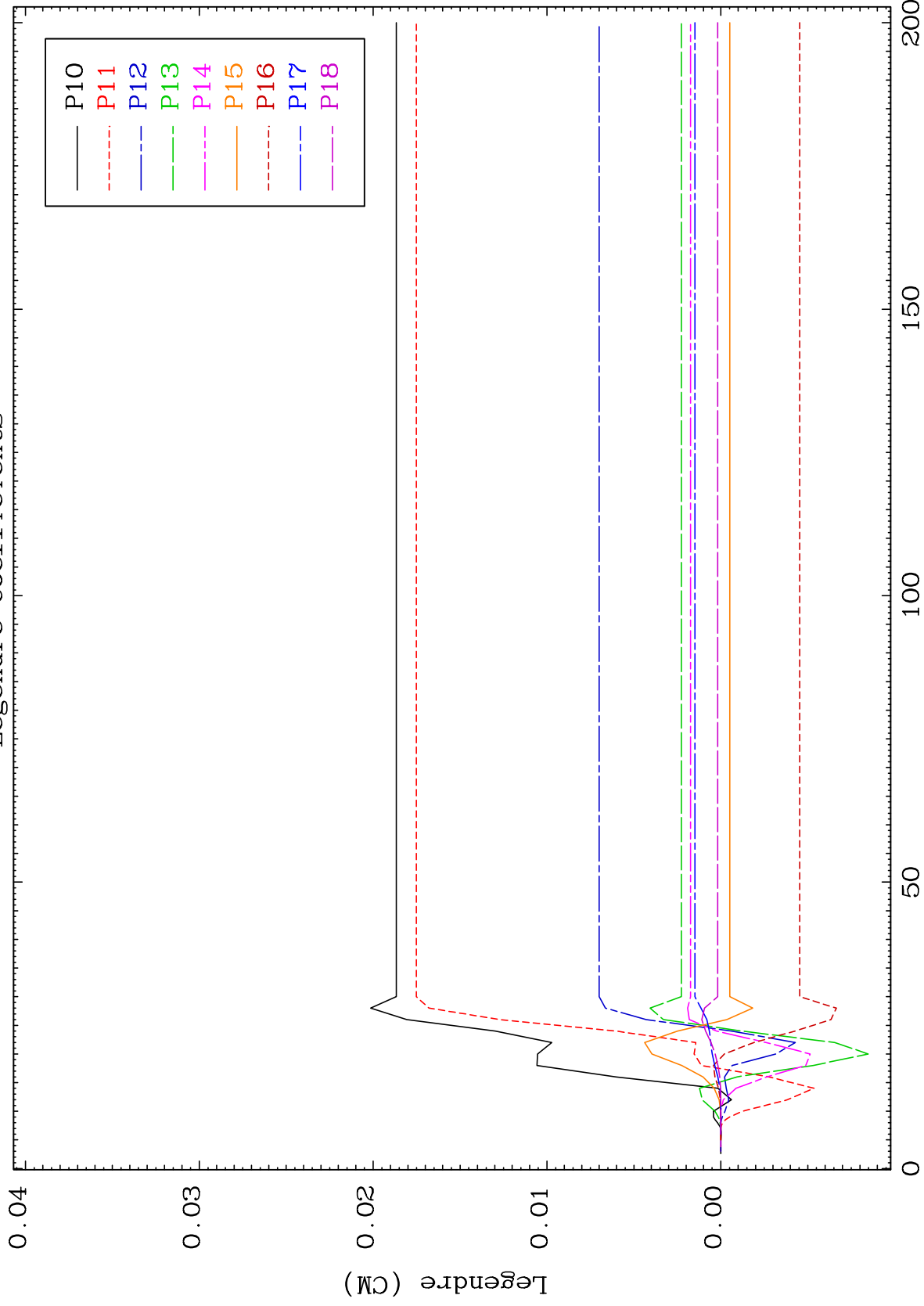
Incident Energy (MeV)

48

MAT 5537

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

55-Cs-137



49

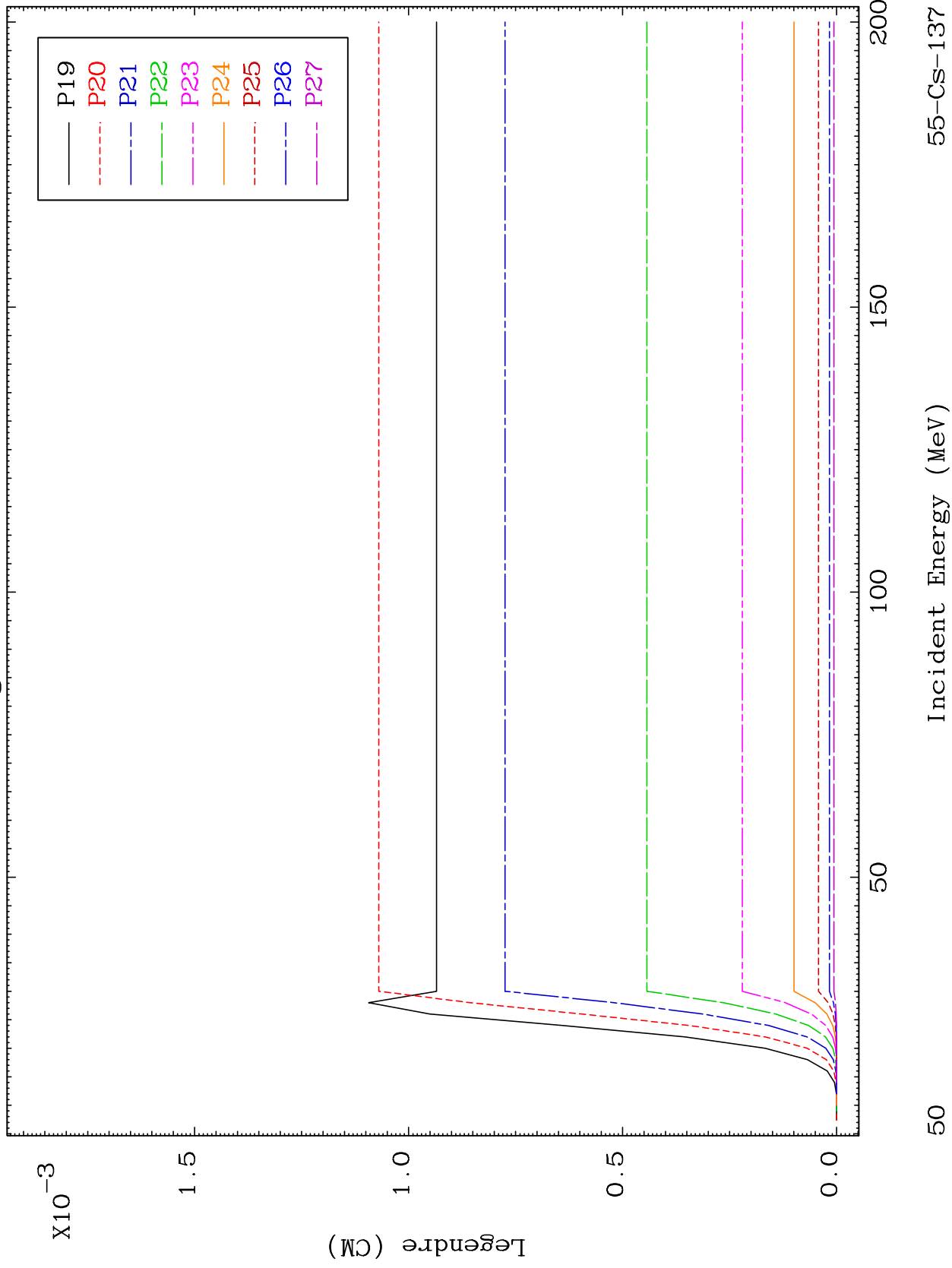
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

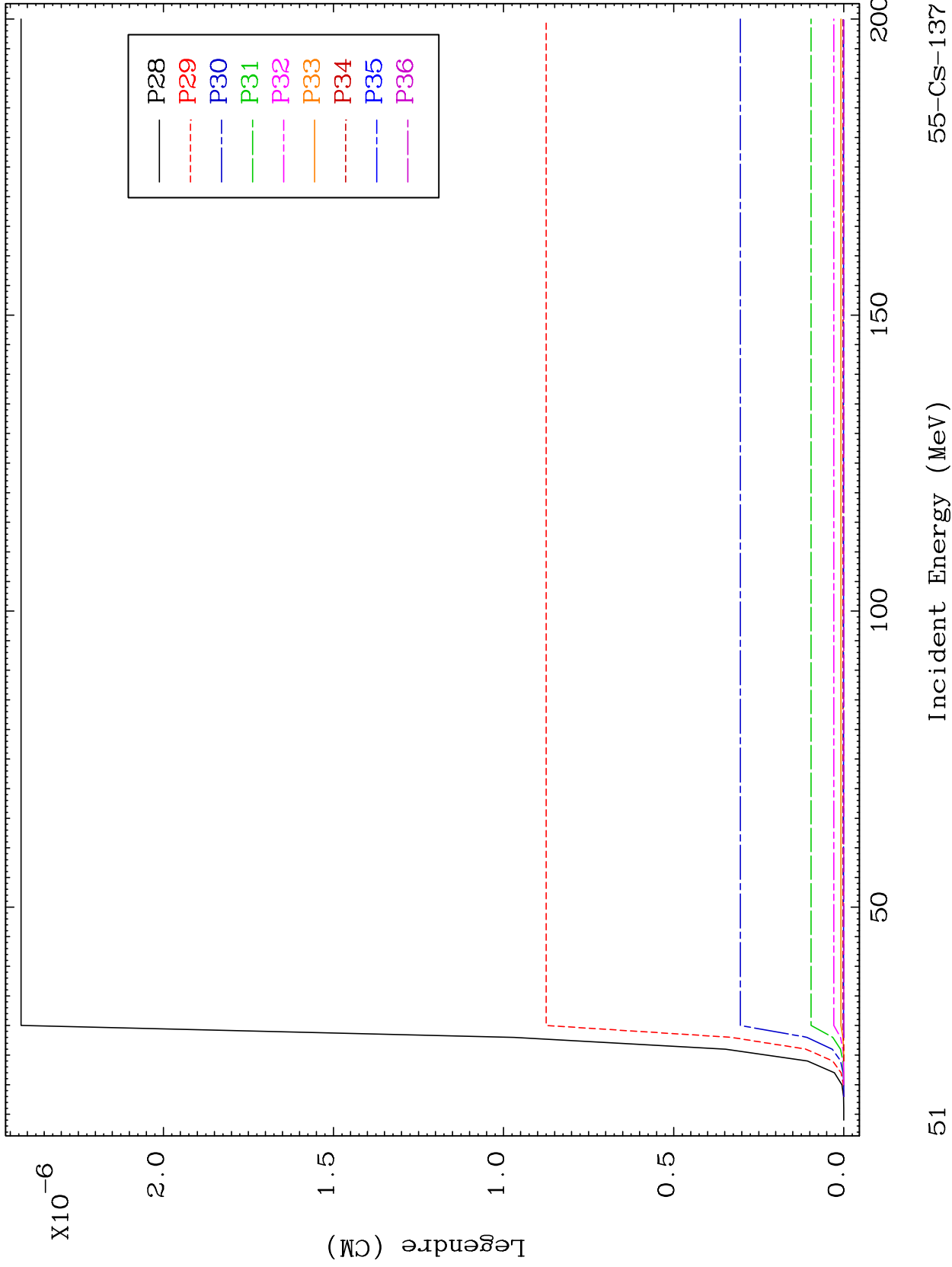
55-Cs-137



MAT 5537

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

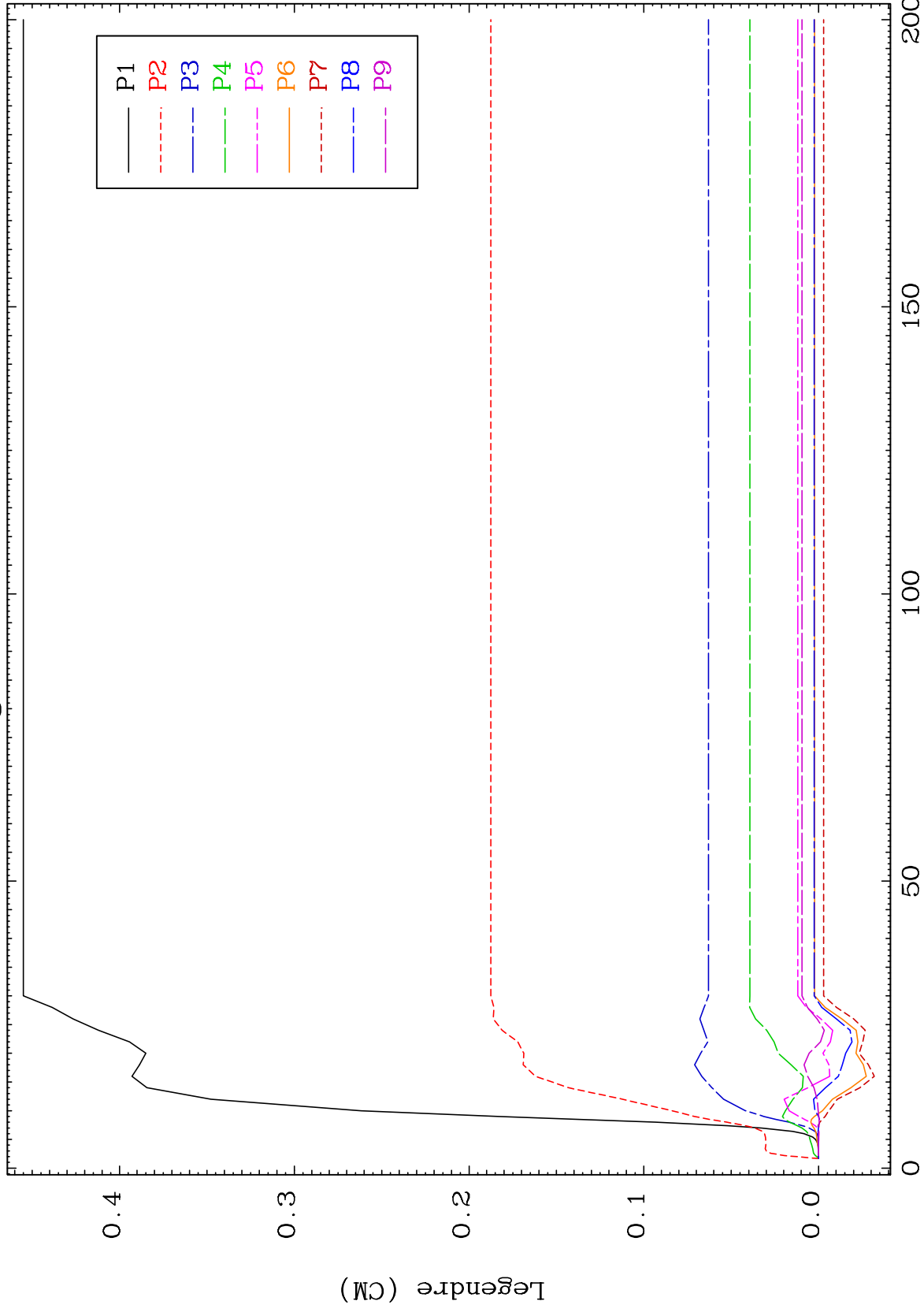
55-Cs-137



MAT 5537

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

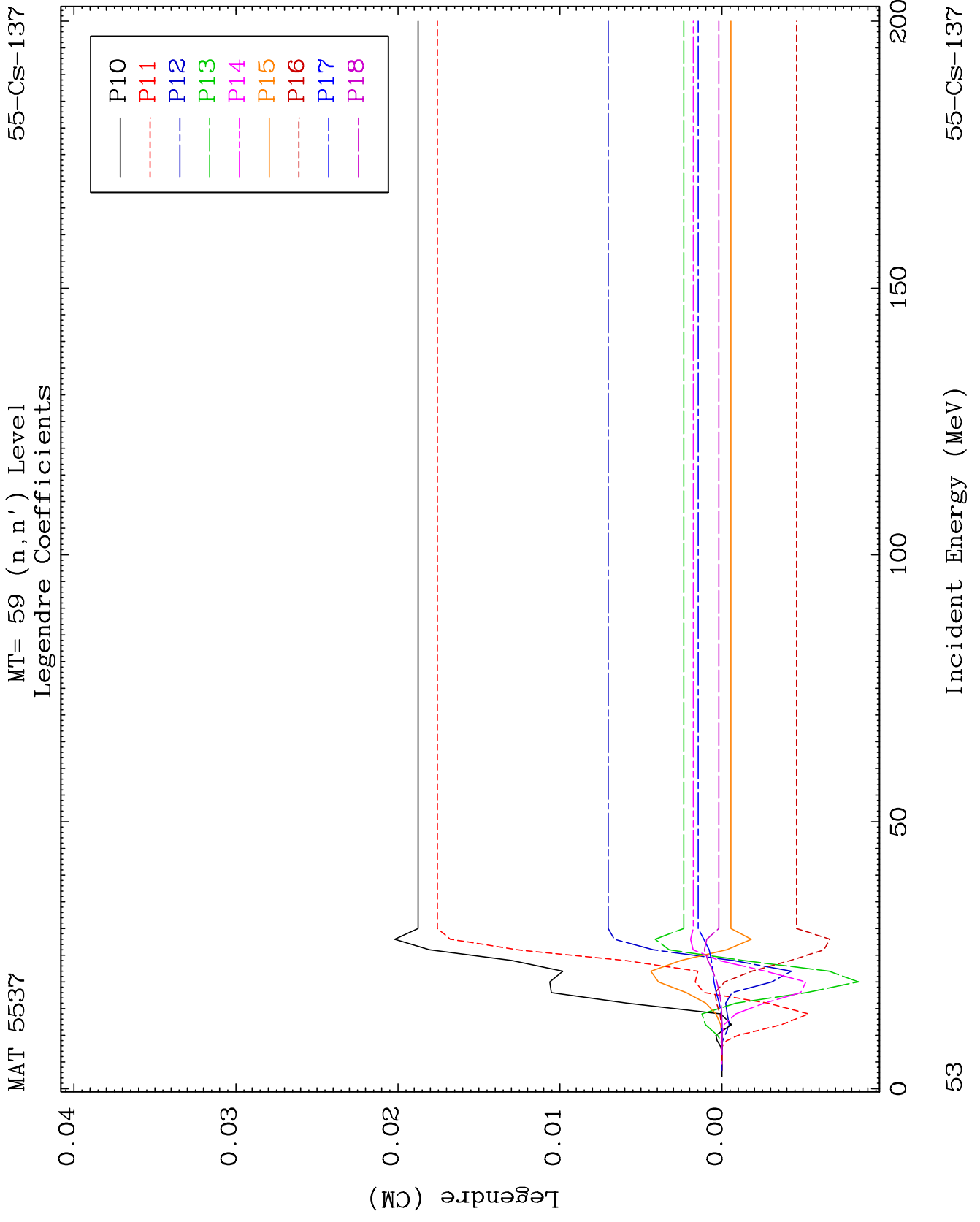
55-Cs-137



55-Cs-137

Incident Energy (MeV)

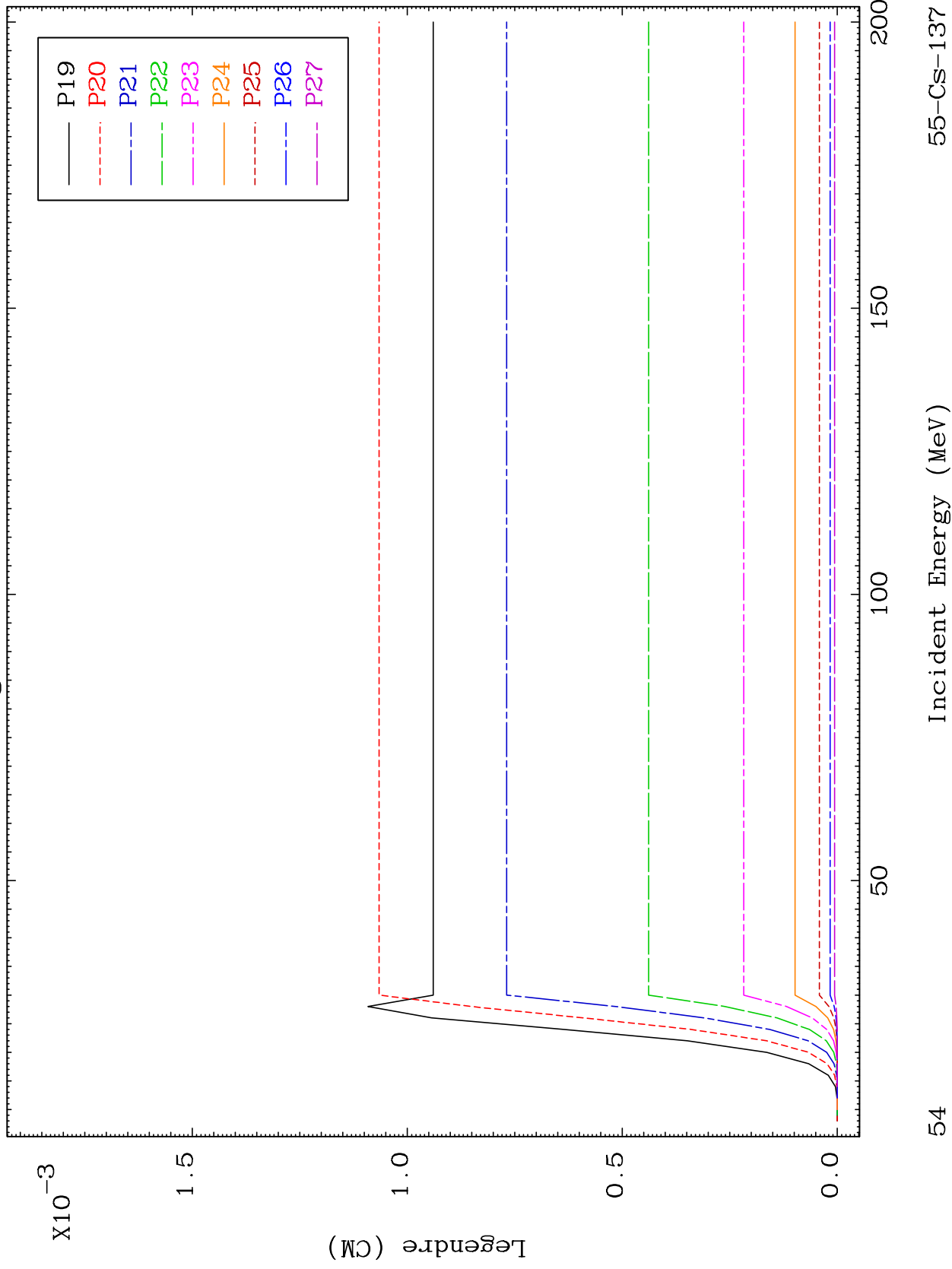
52



MAT 5537

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

55-Cs-137



54

Incident Energy (MeV)

55-Cs-137

200

150

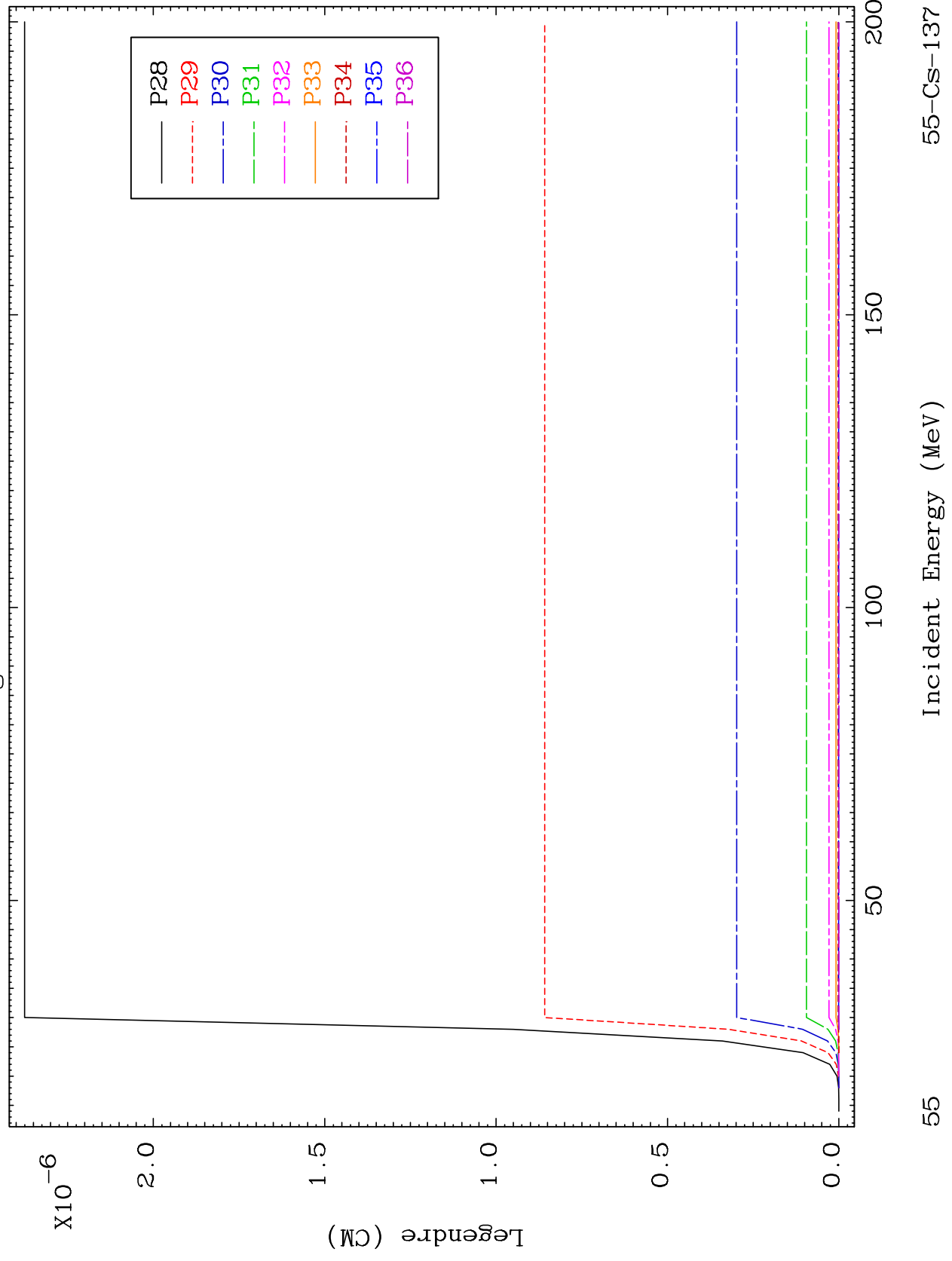
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MAT 5537

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

55-Cs-137

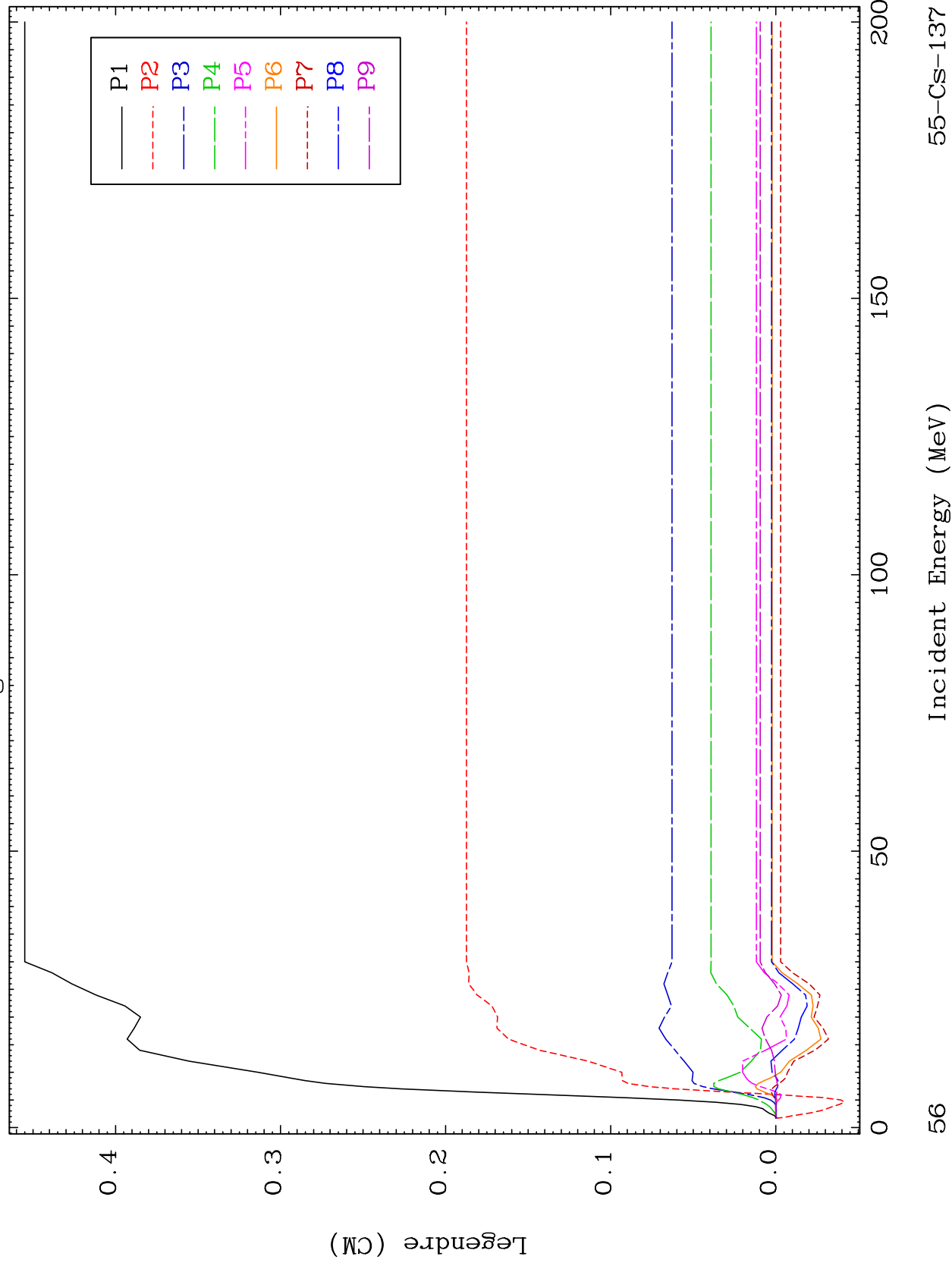




MAT 5537

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

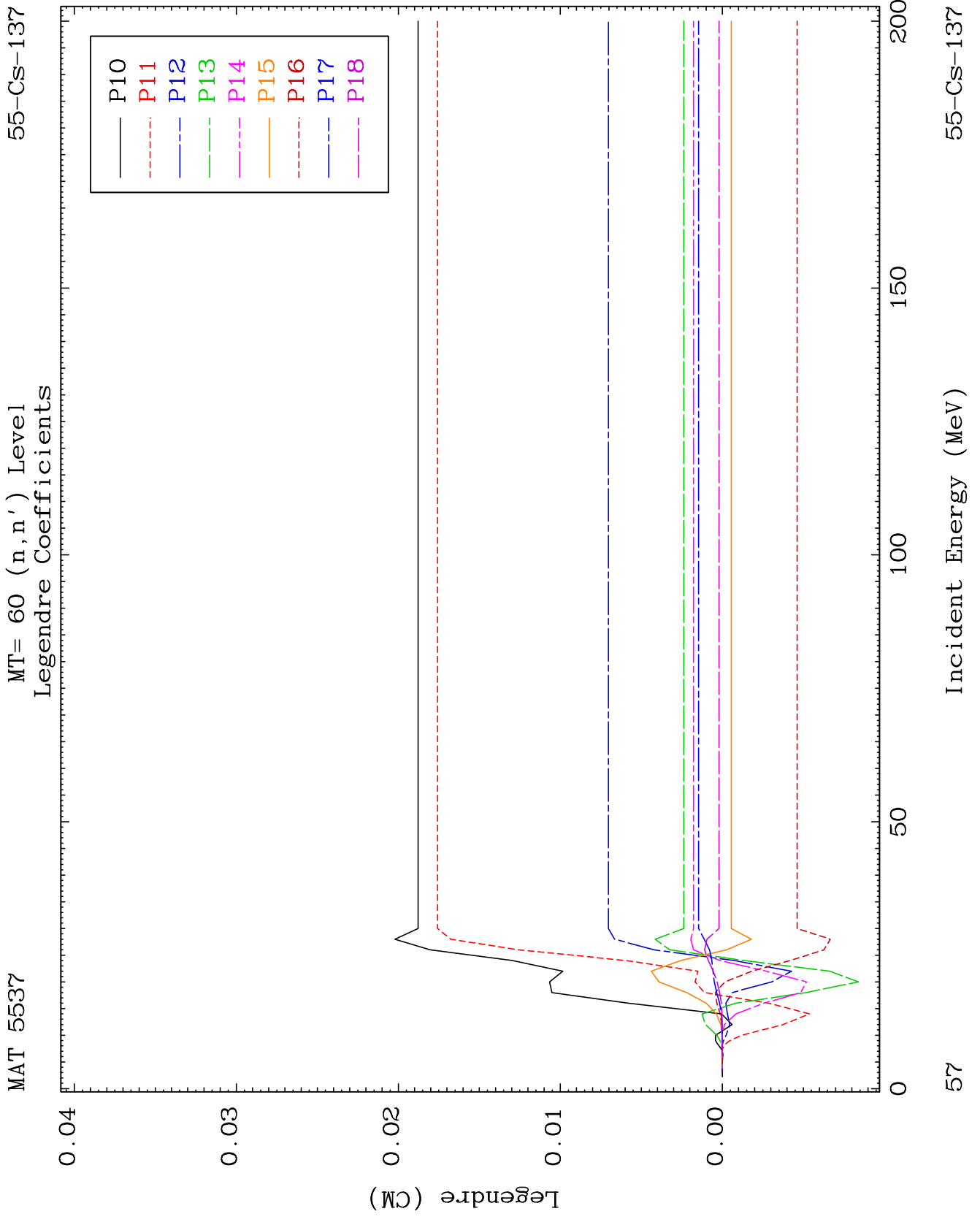
55-Cs-137



55-Cs-137

Incident Energy (MeV)

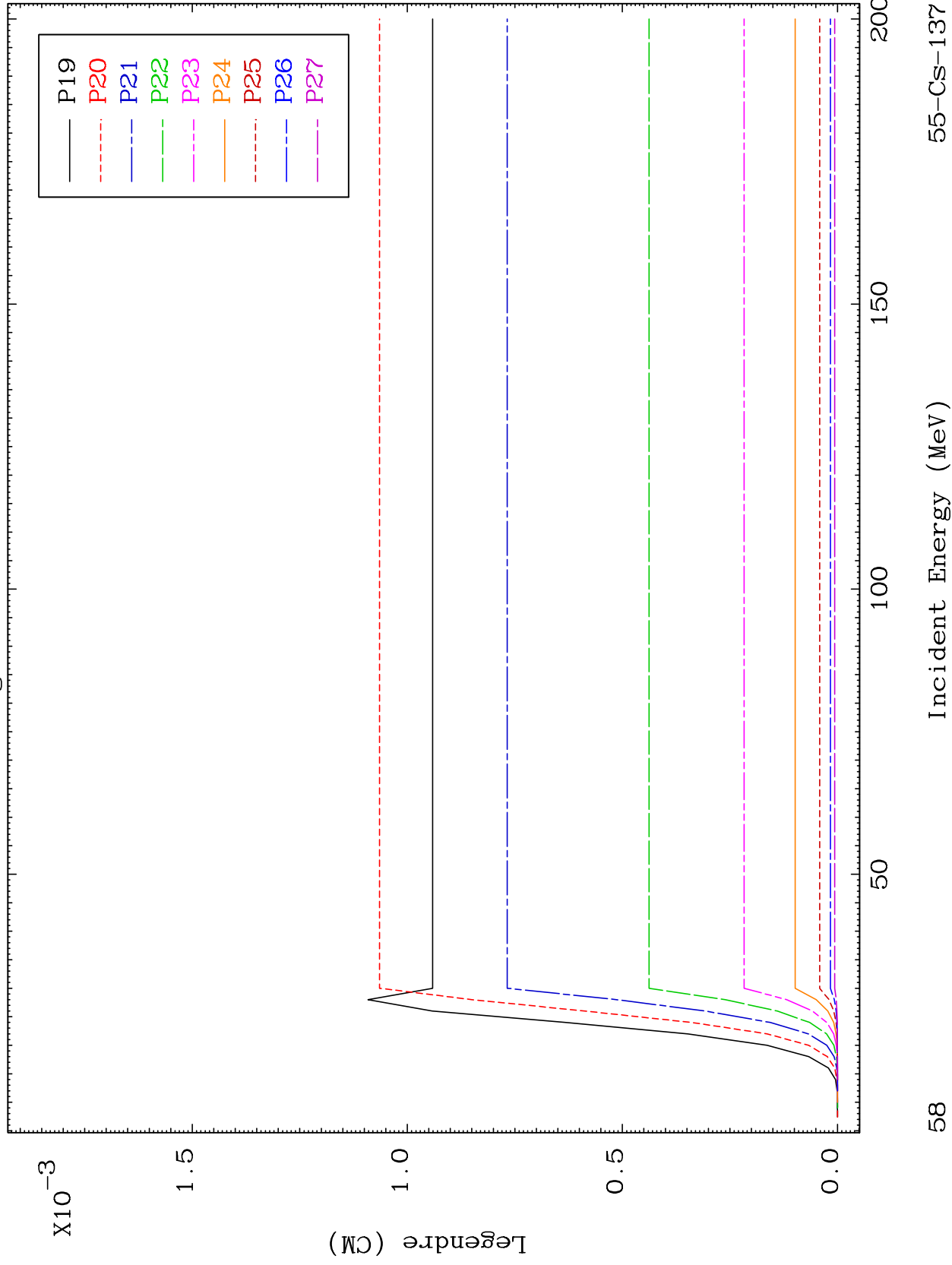
56



MAT 5537

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

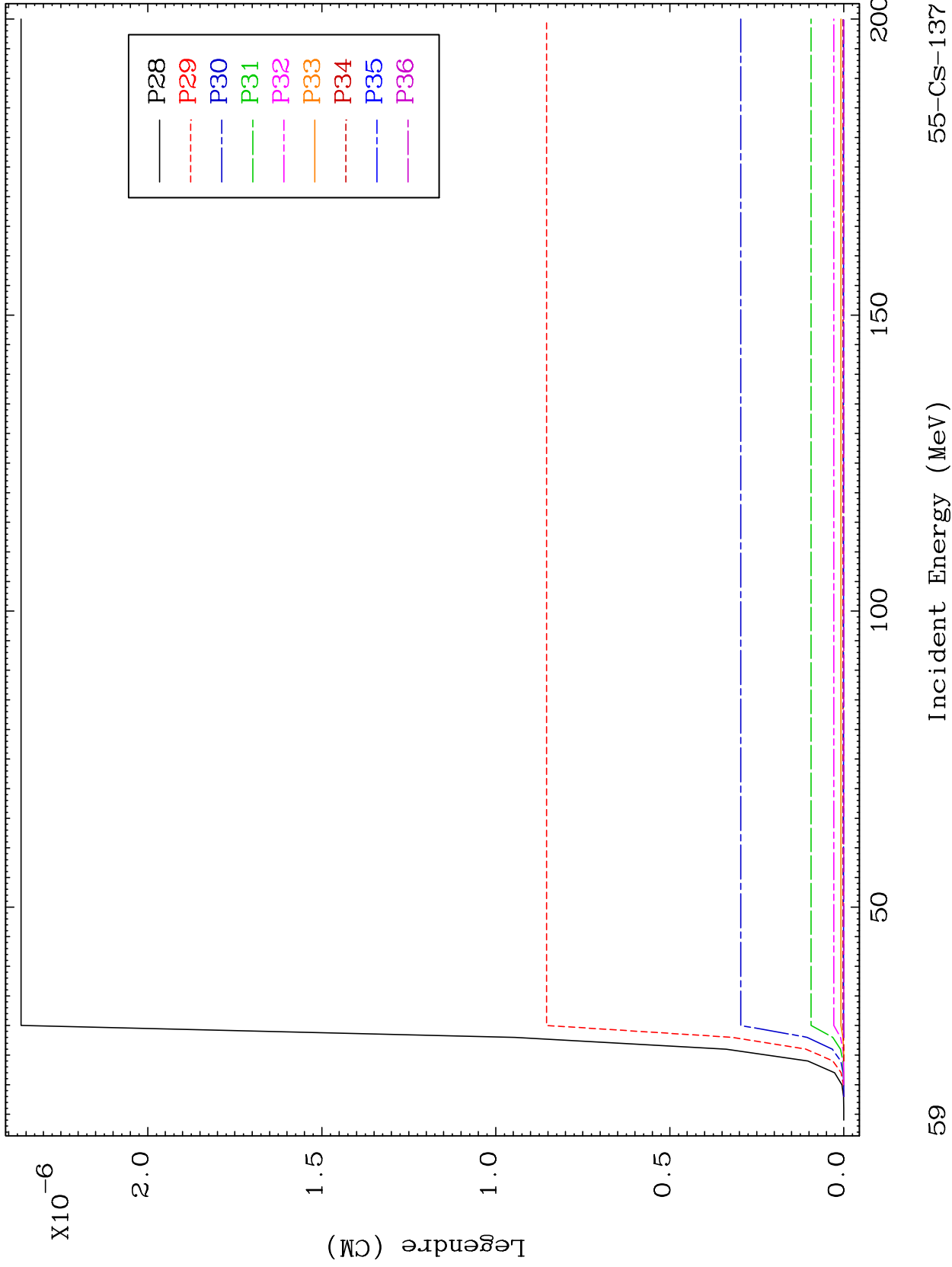
55-Cs-137



MAT 5537

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

55-Cs-137



59

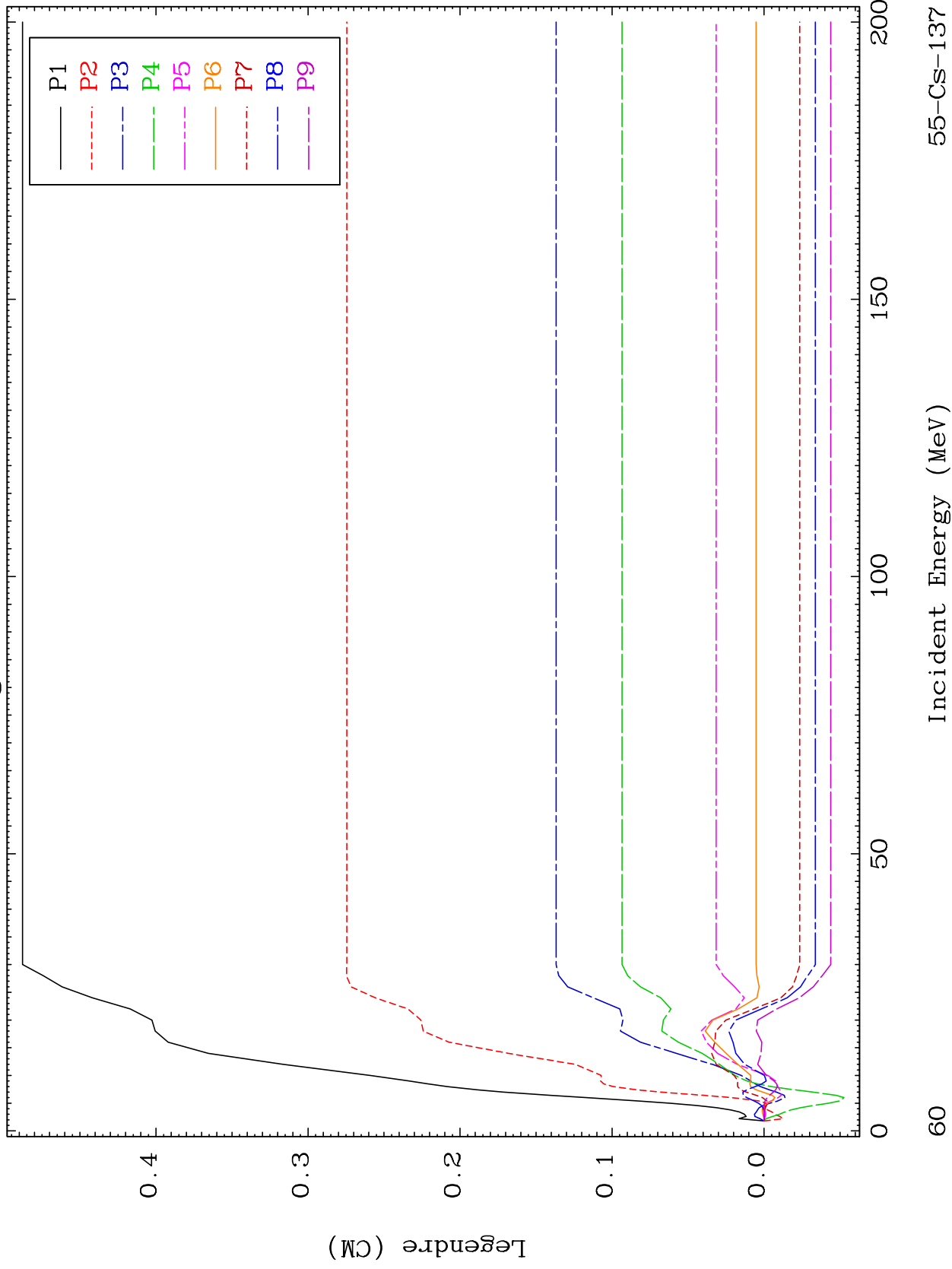
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137

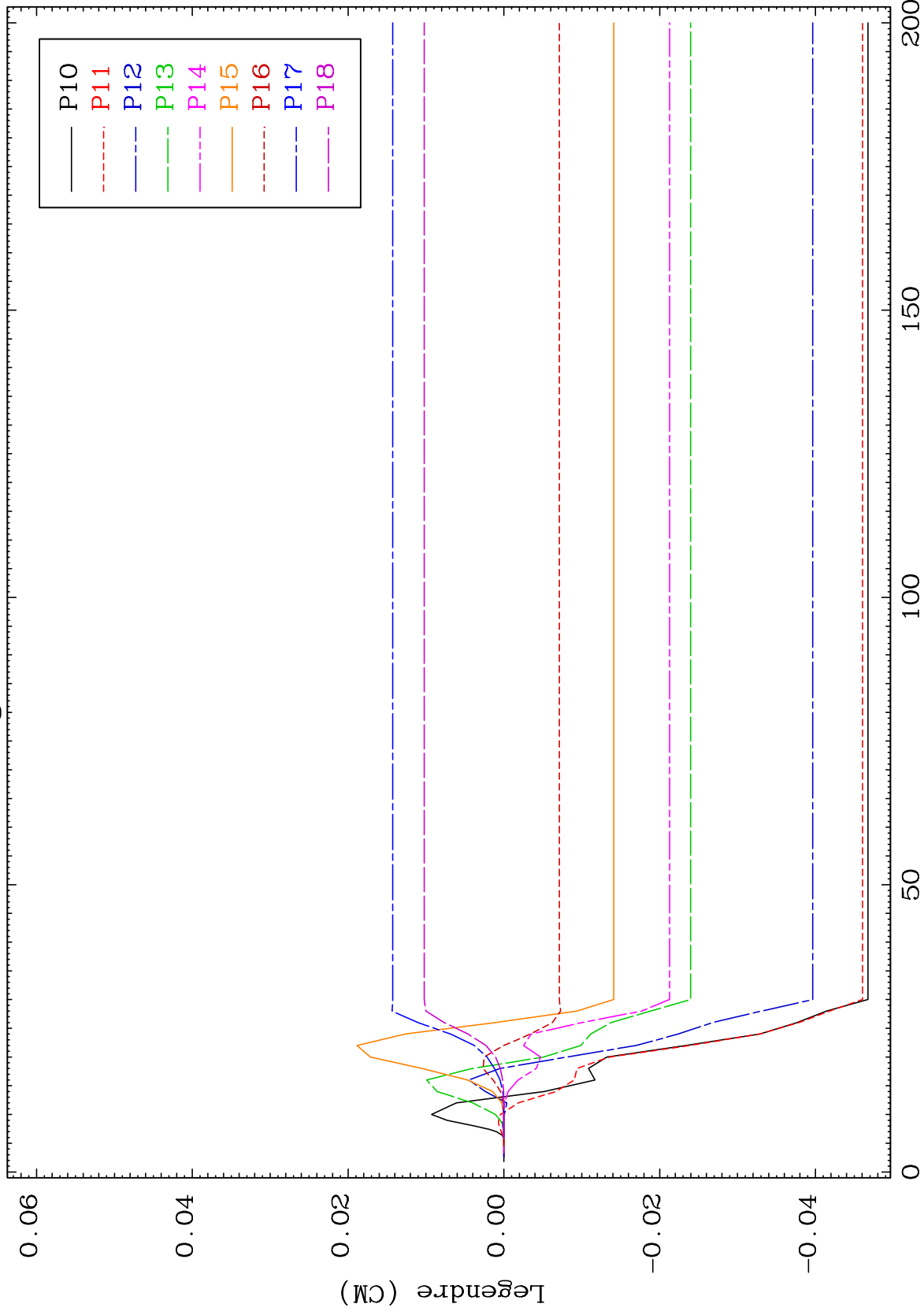


55-Cs-137

MAT 5537

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

55-Cs-137



61

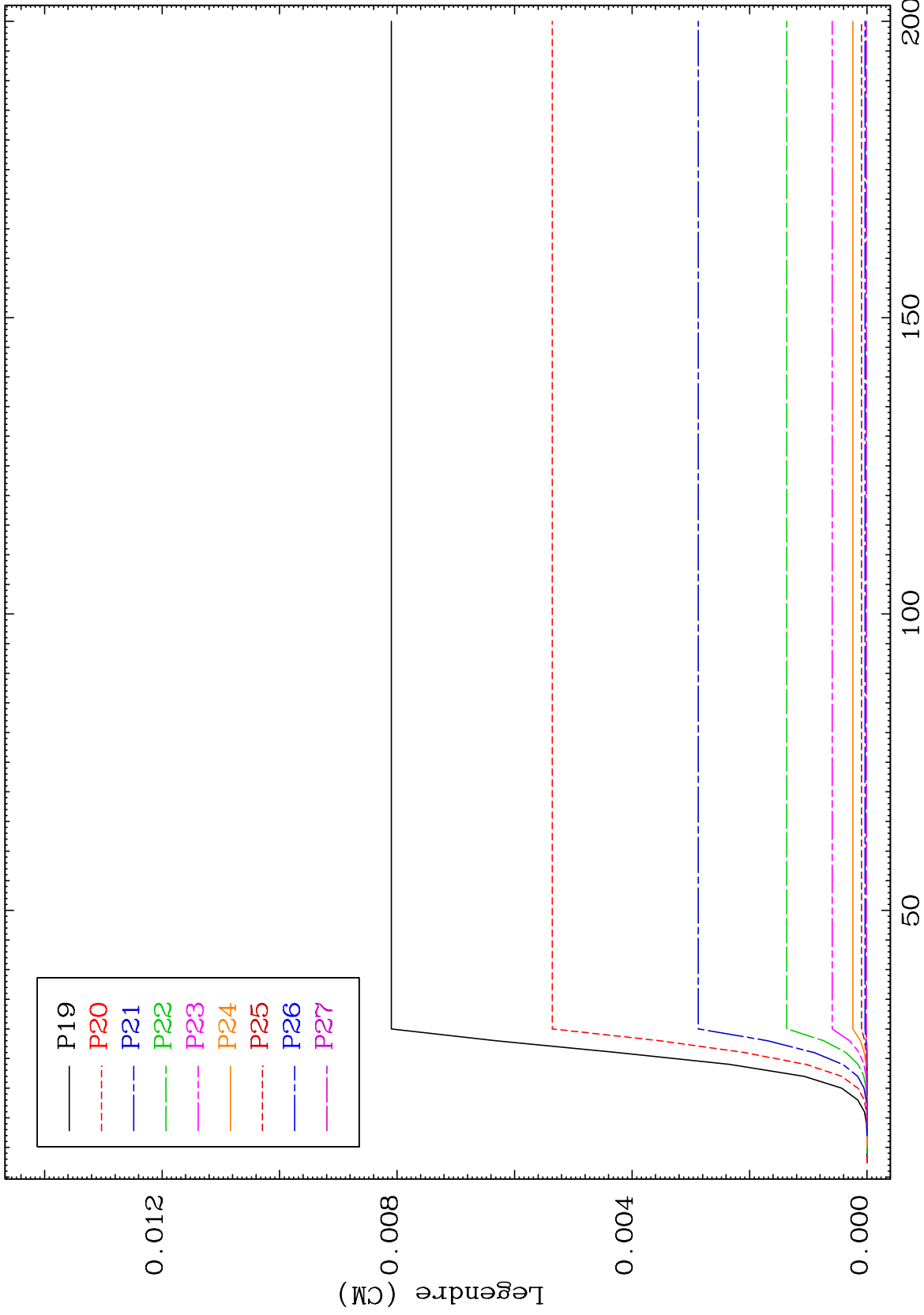
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



62

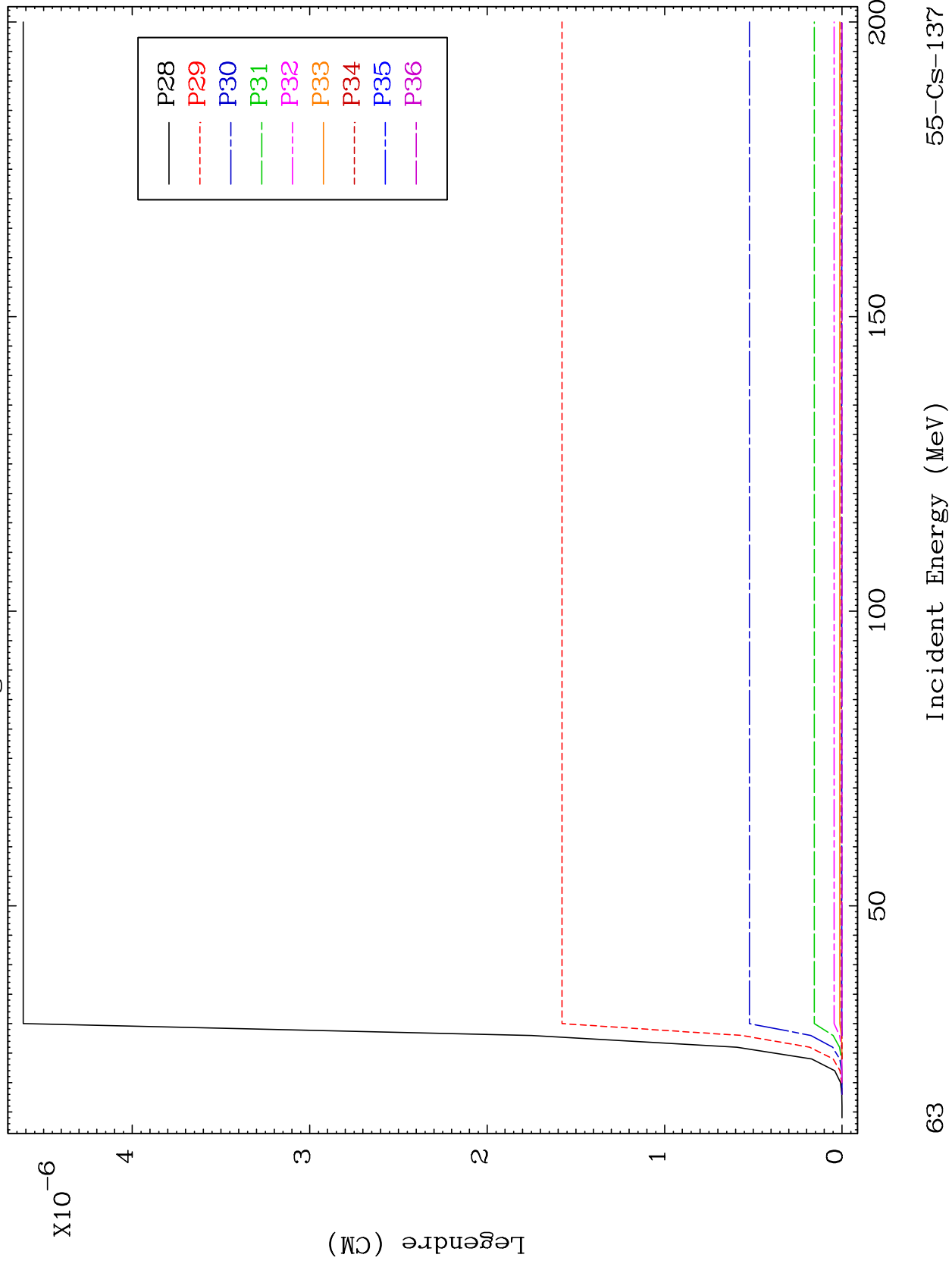
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137

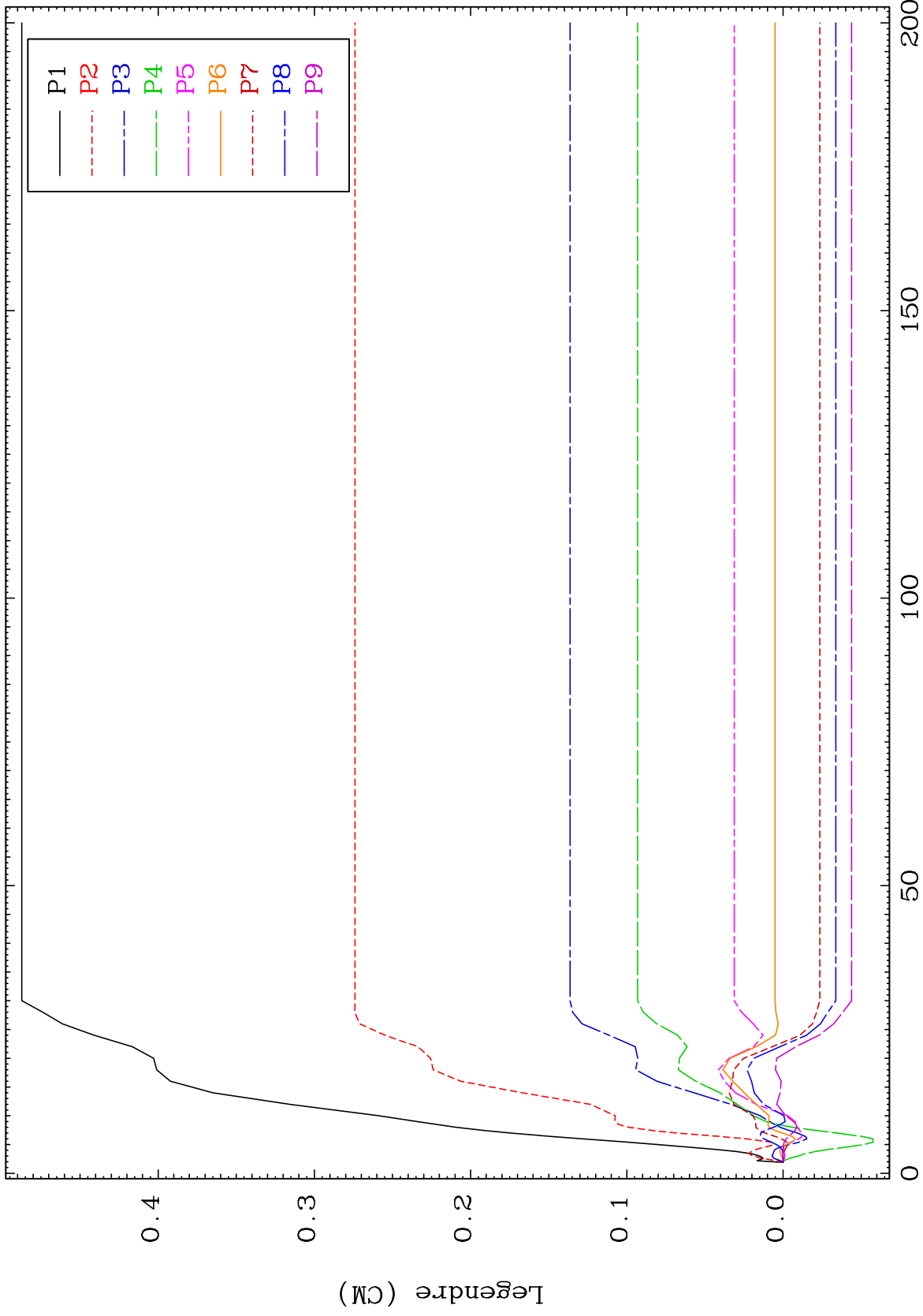




MAT 5537

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

55-Cs-137



55-Cs-137

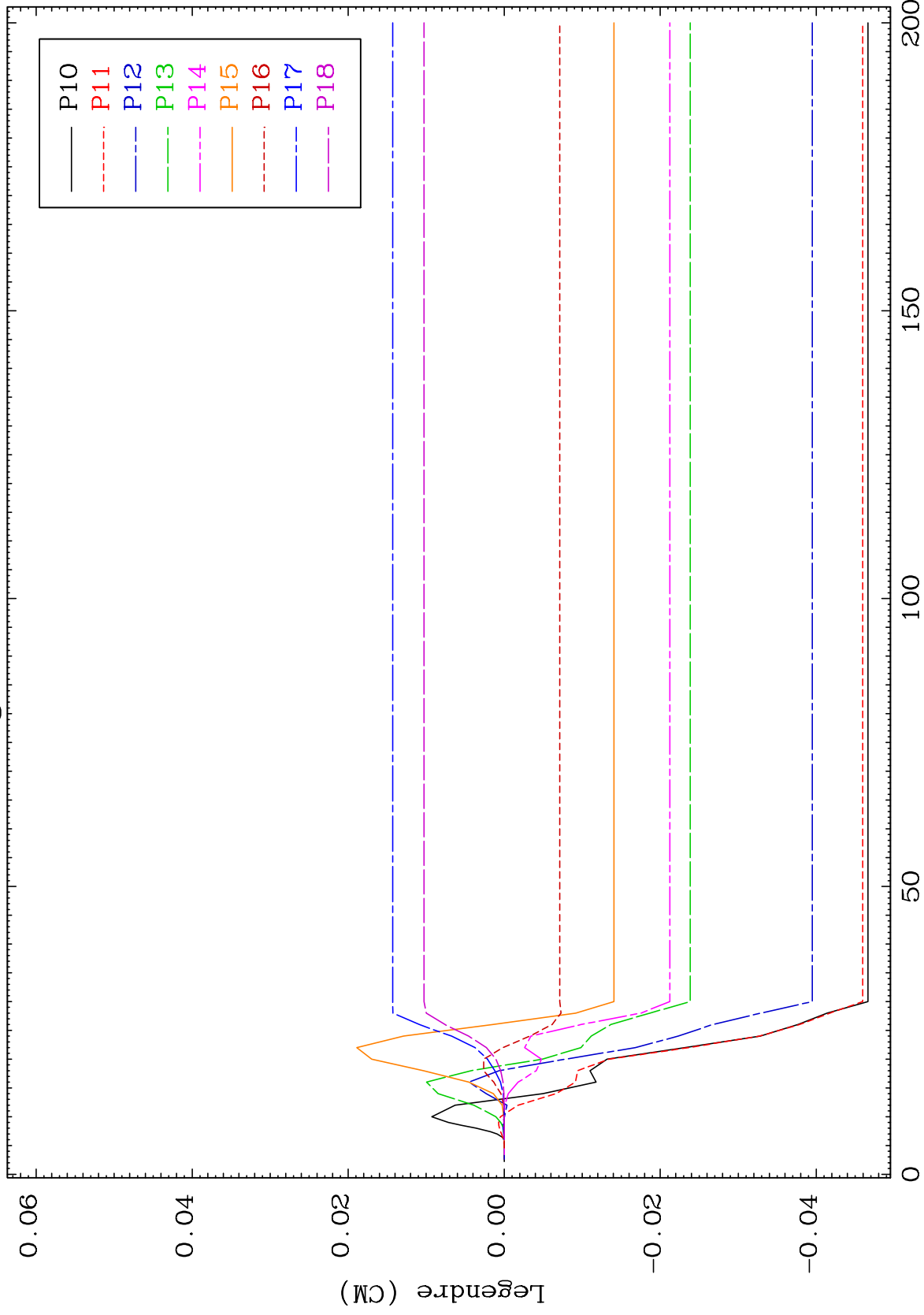
Incident Energy (MeV)

64

MAT 5537

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

55-Cs-137



65

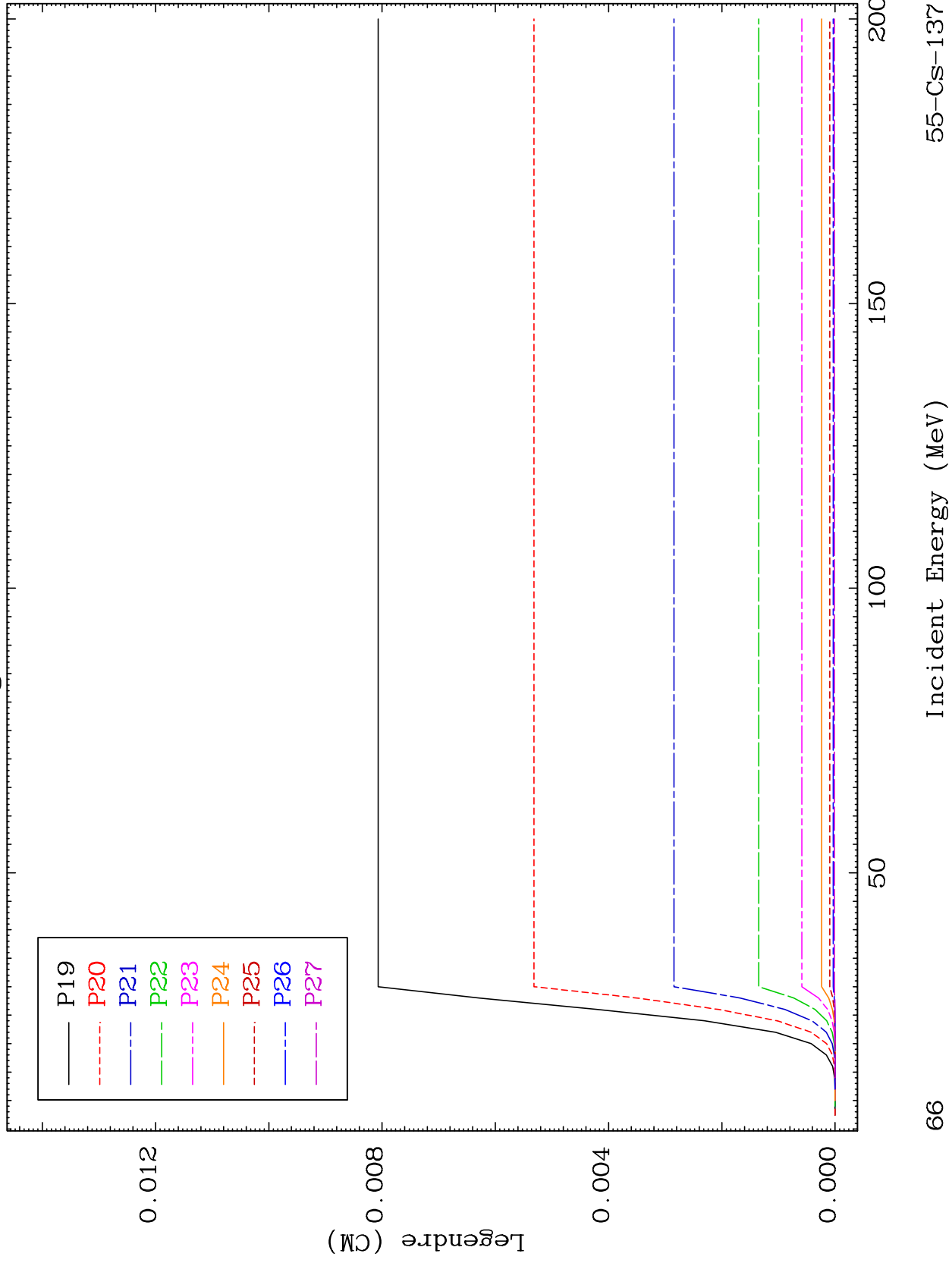
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

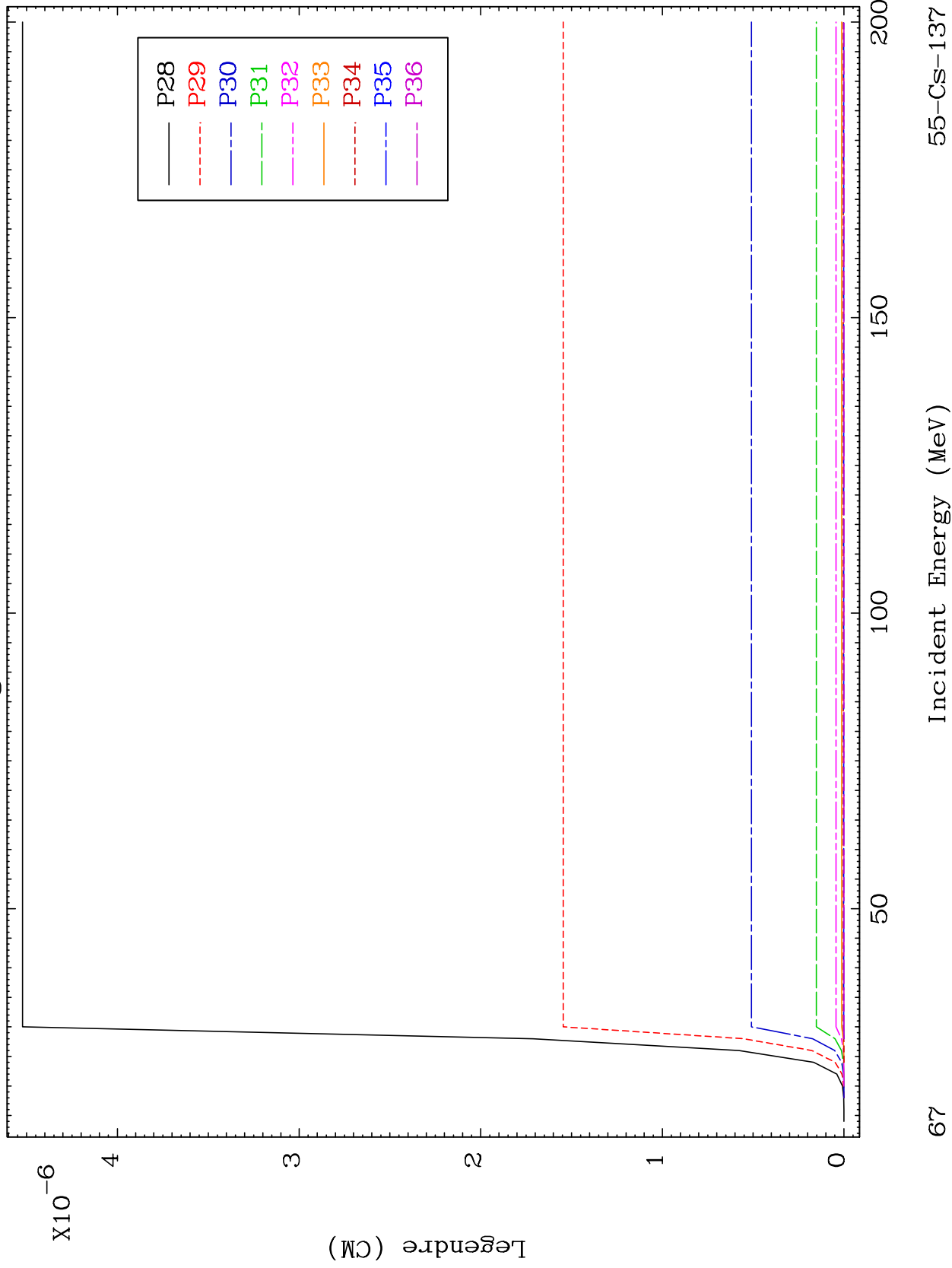
55-Cs-137



MAT 5537

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

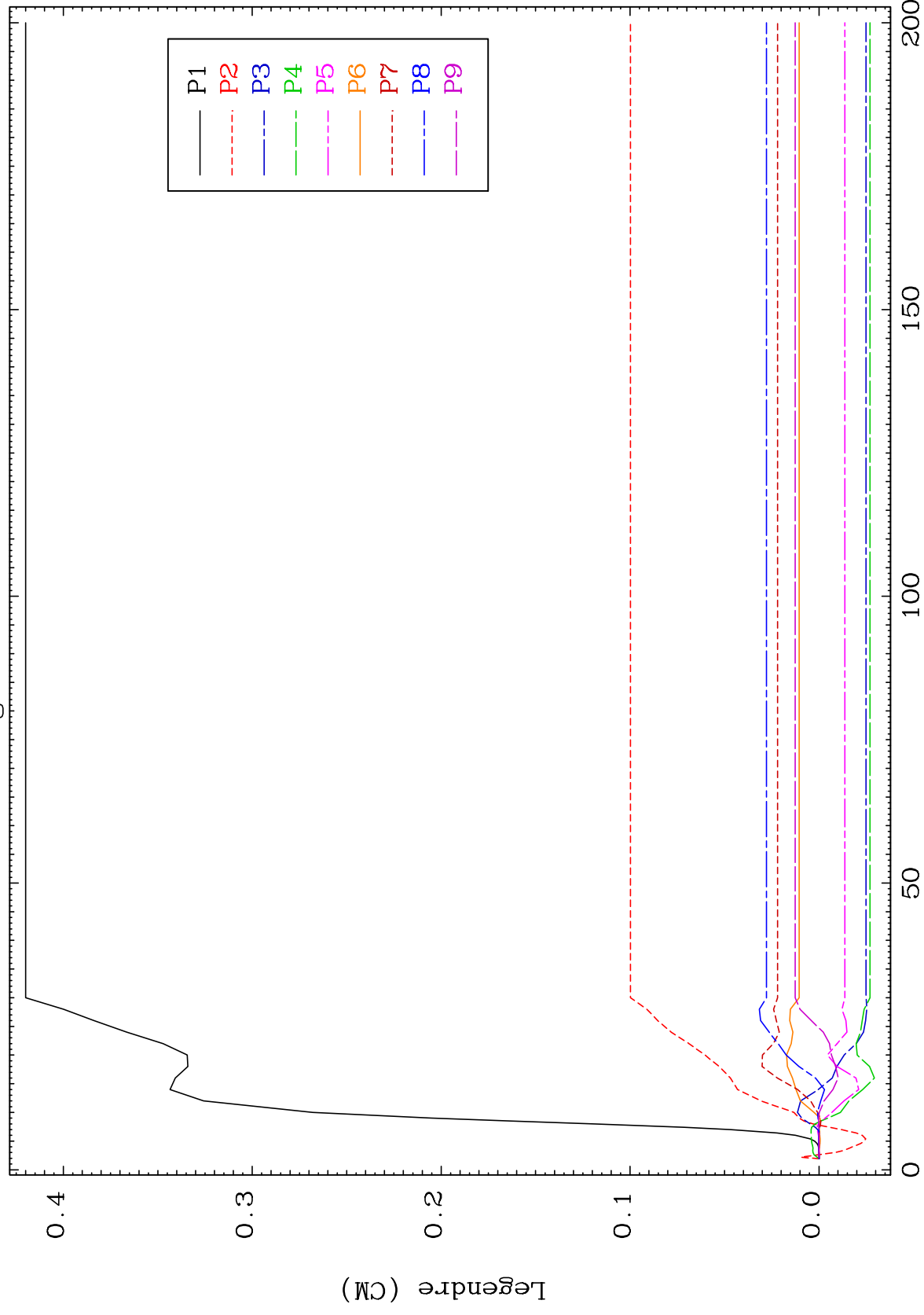
55-Cs-137



MAT 5537

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

55-Cs-137



55-Cs-137

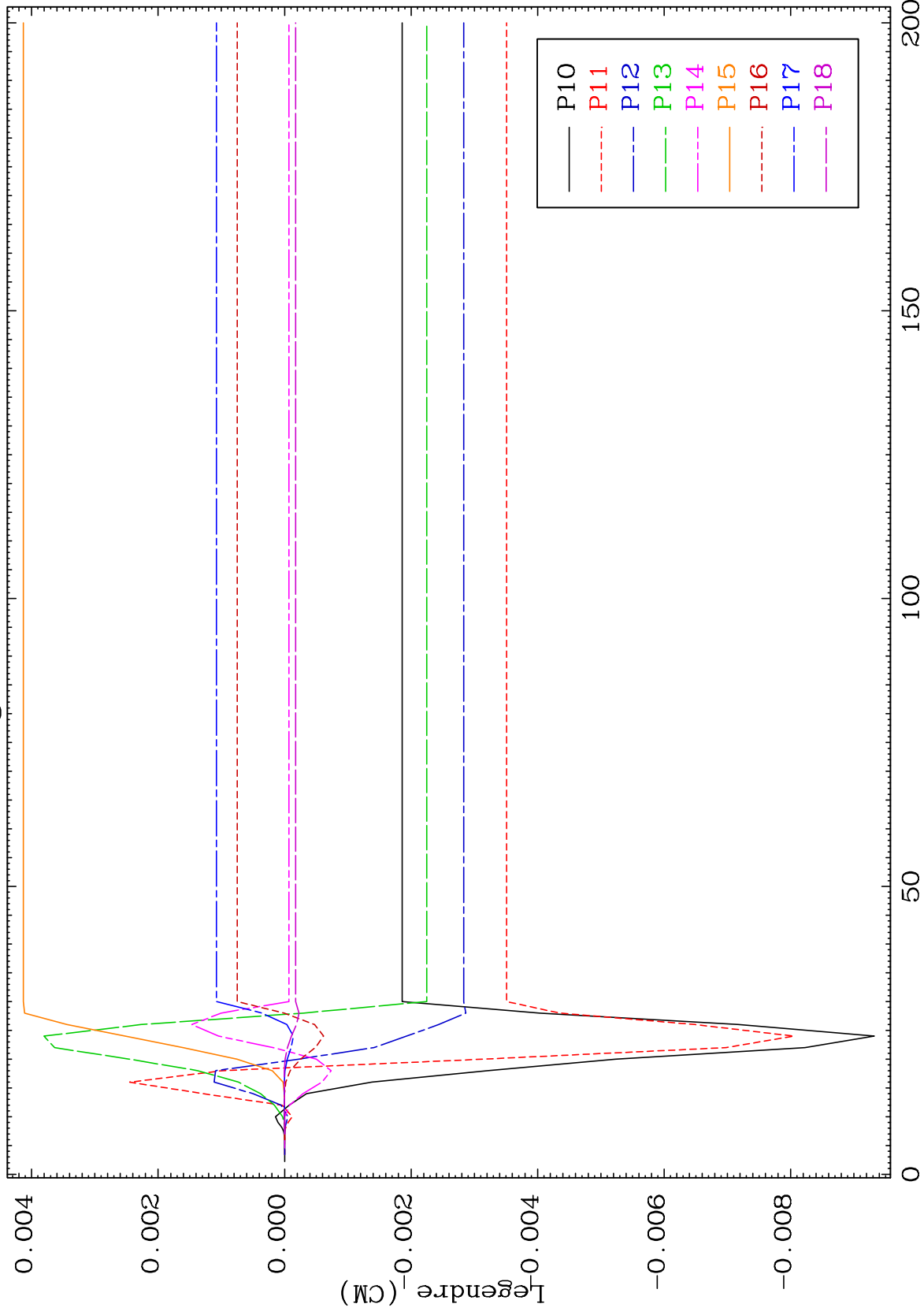
Incident Energy (MeV)

68

MAT 5537

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

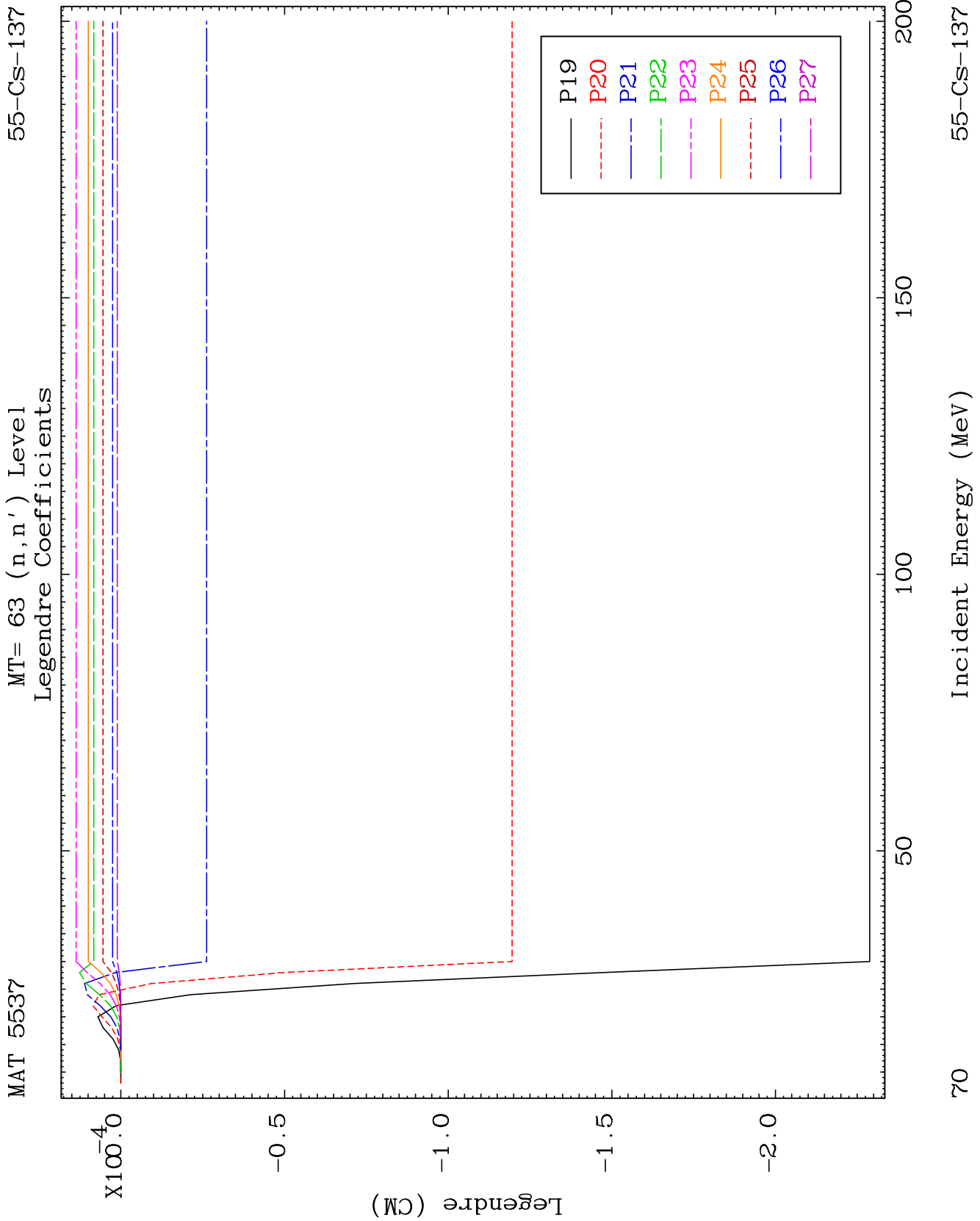
55-Cs-137



69

Incident Energy (MeV)

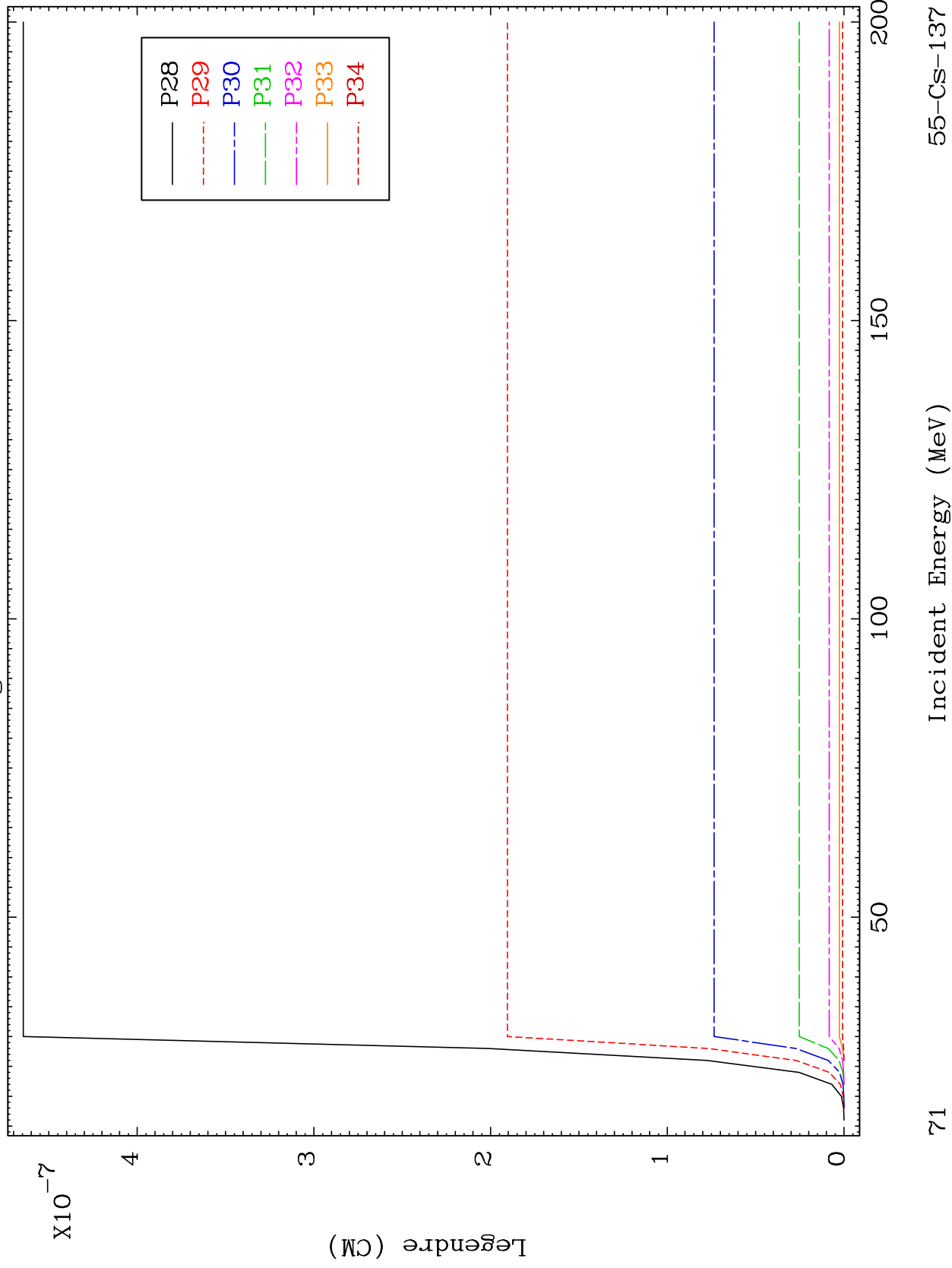
55-Cs-137



MAT 5537

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

55-Cs-137

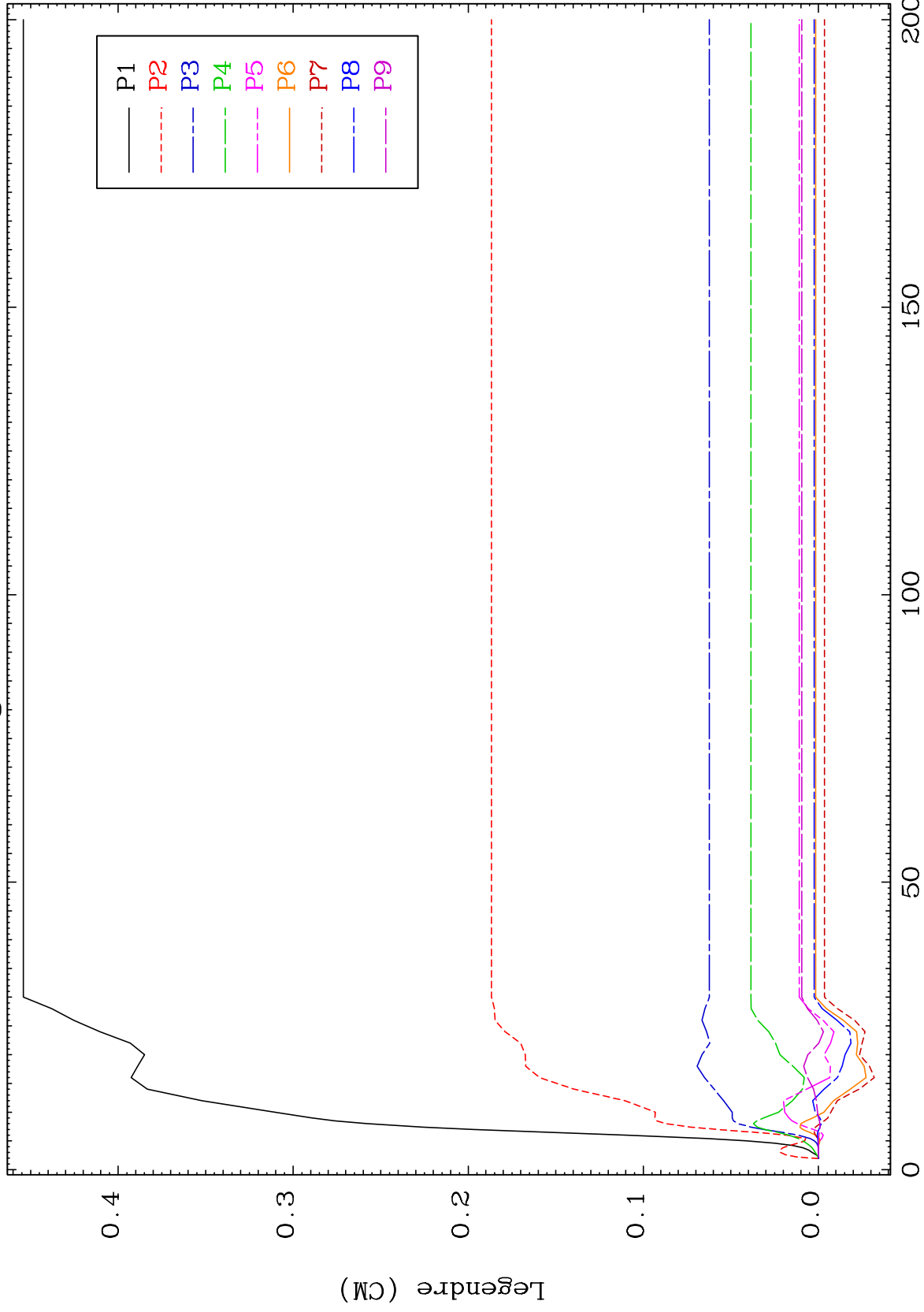




MAT 5537

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

55-Cs-137



72

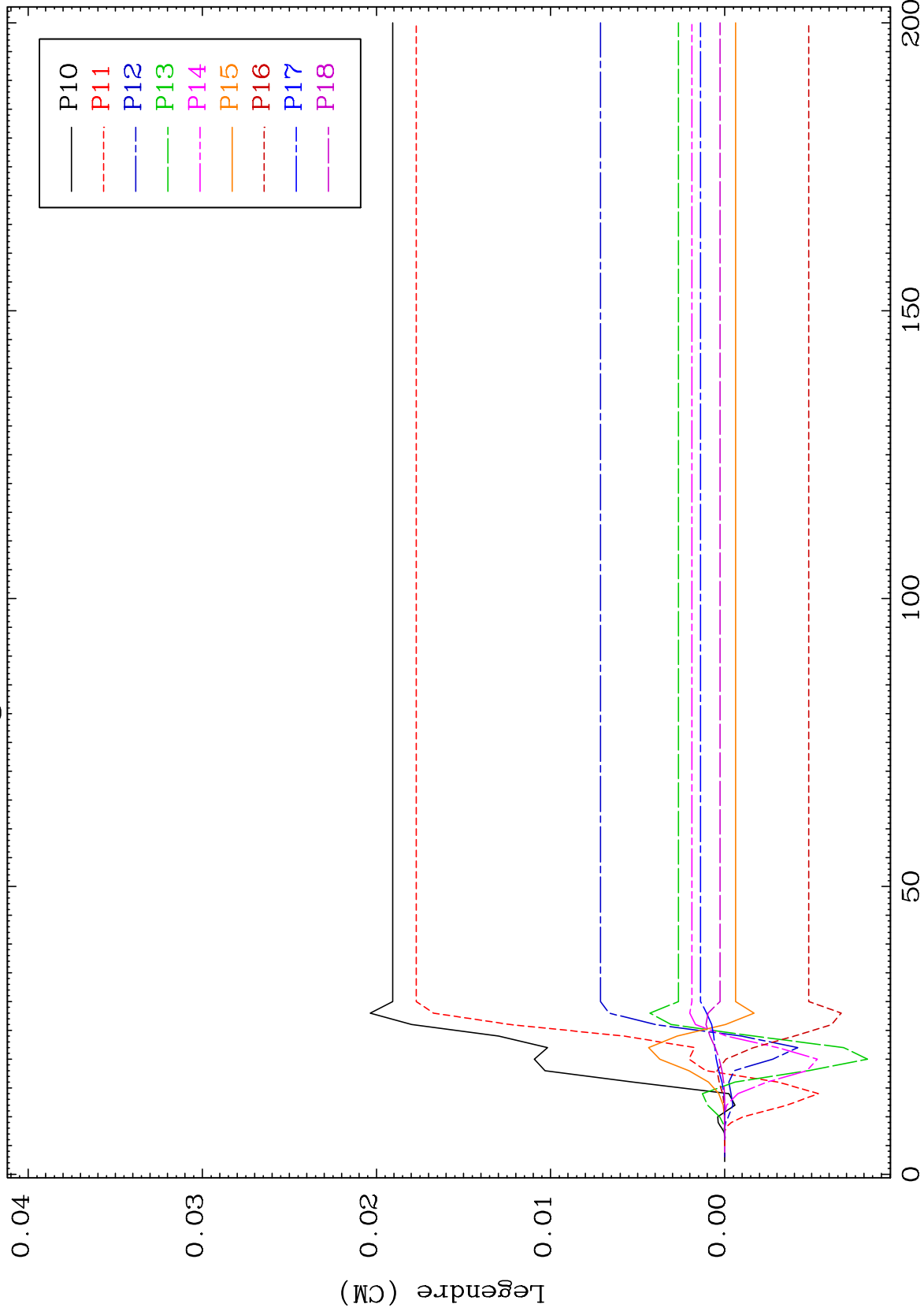
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



73

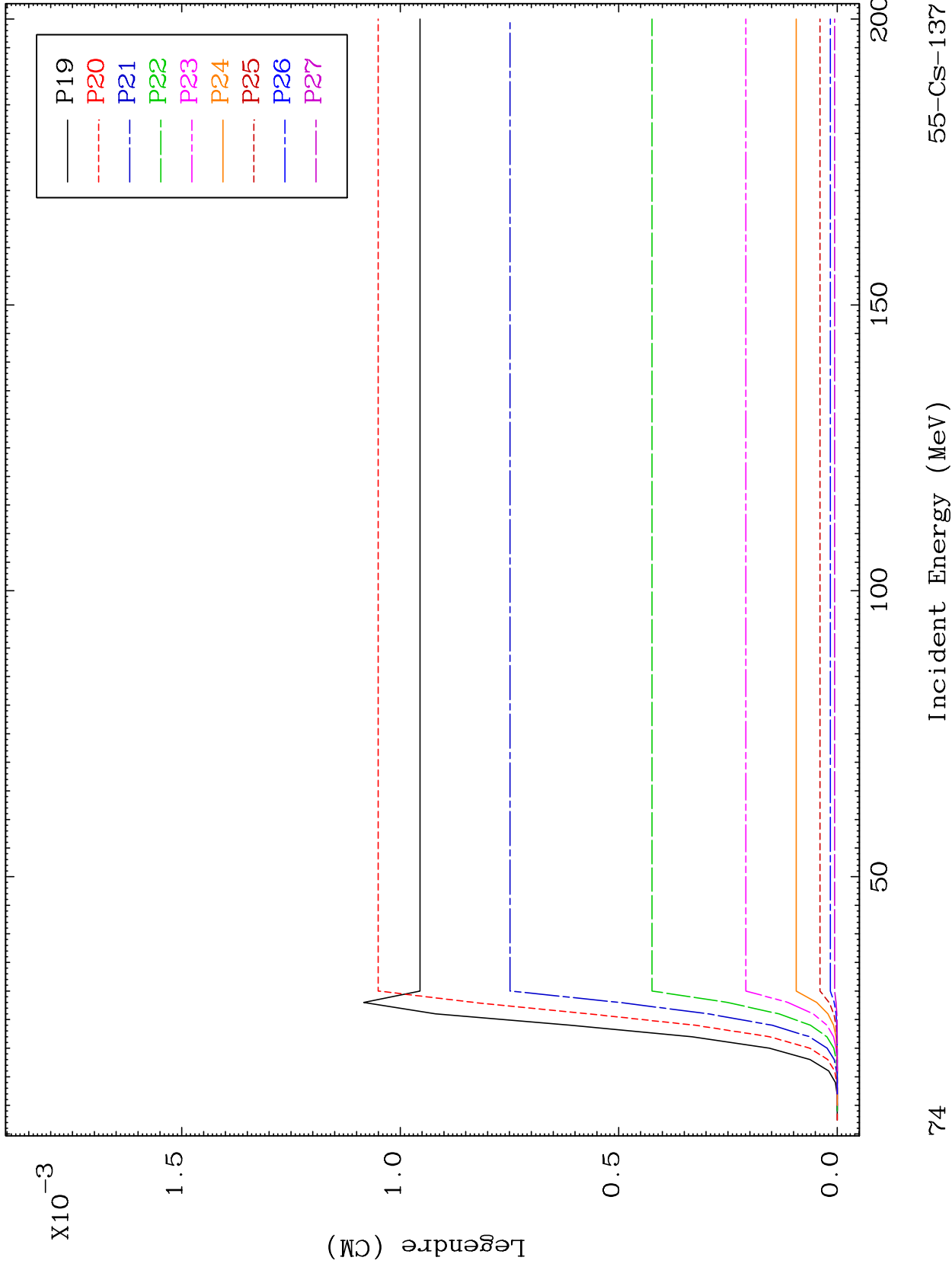
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

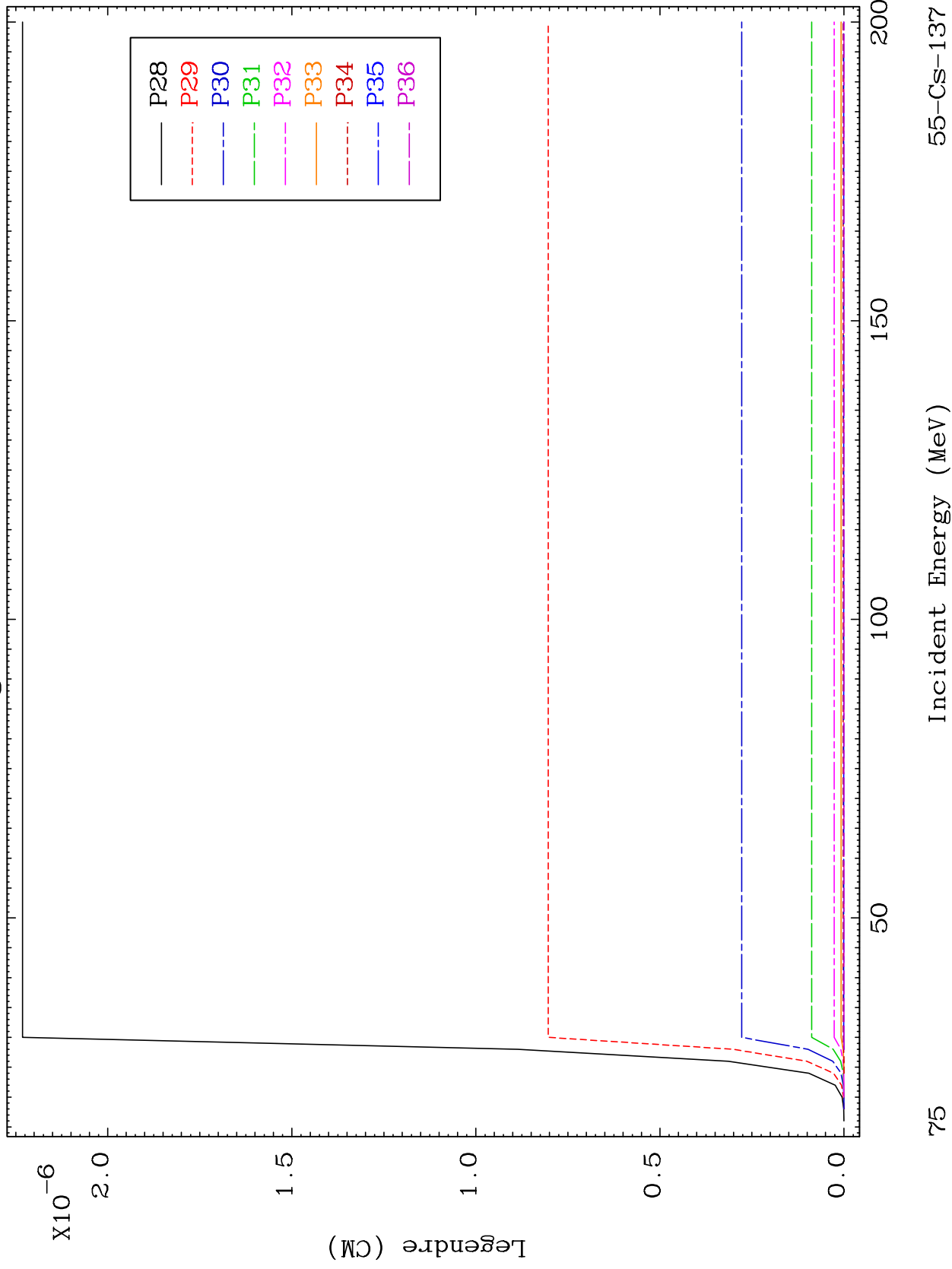
55-Cs-137



MAT 5537

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

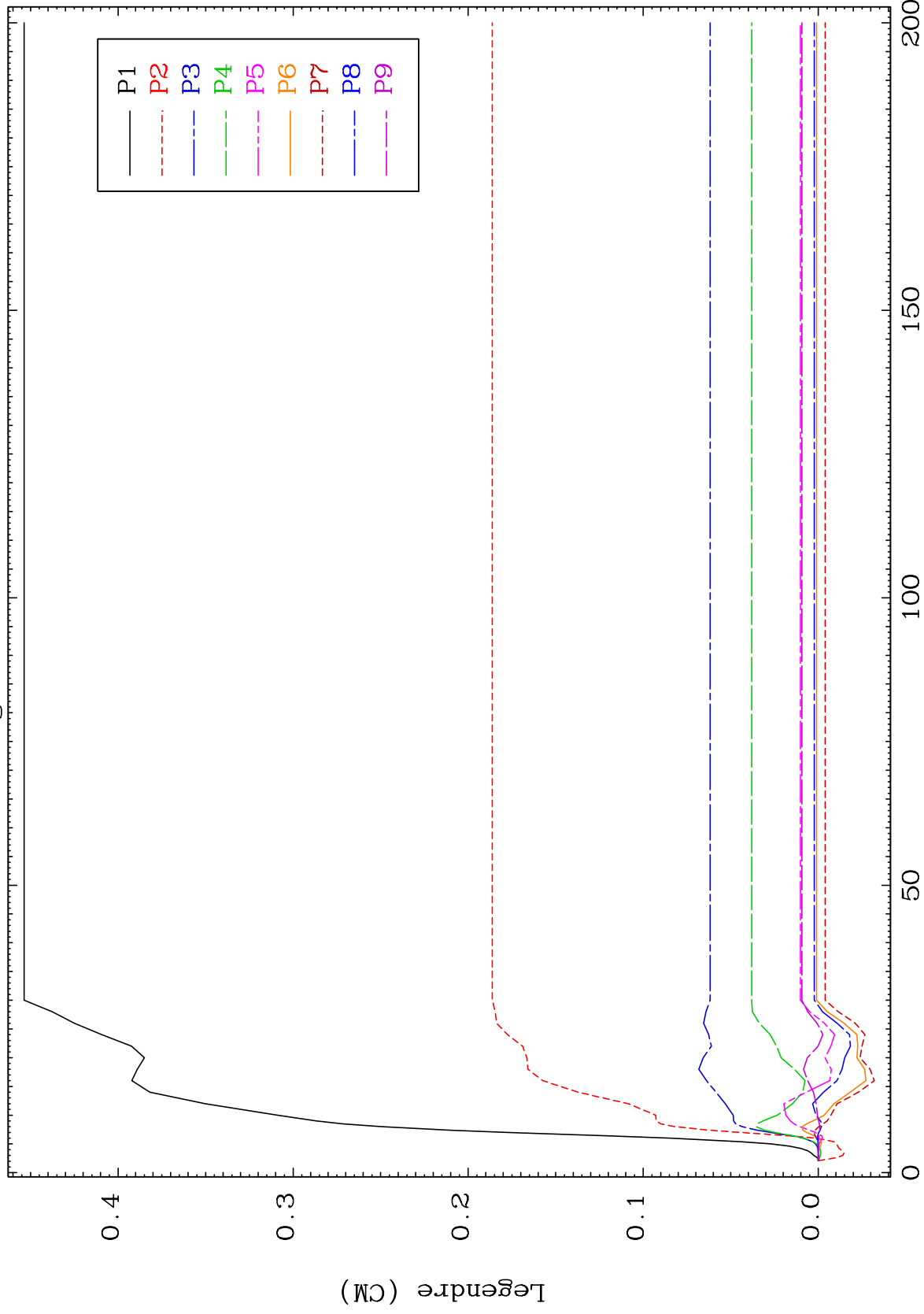
55-Cs-137



MAT 5537

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

55-Cs-137



76

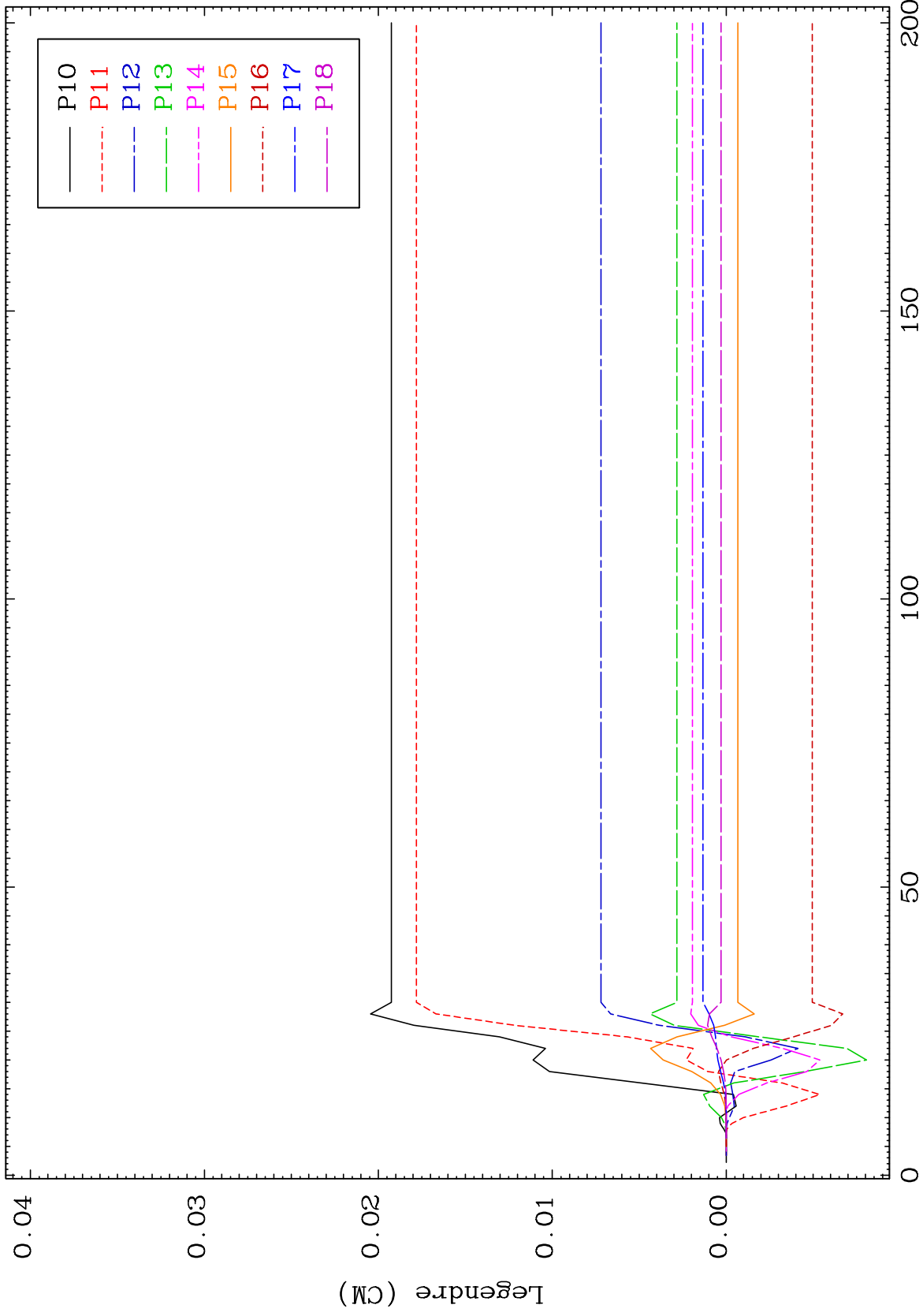
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



77

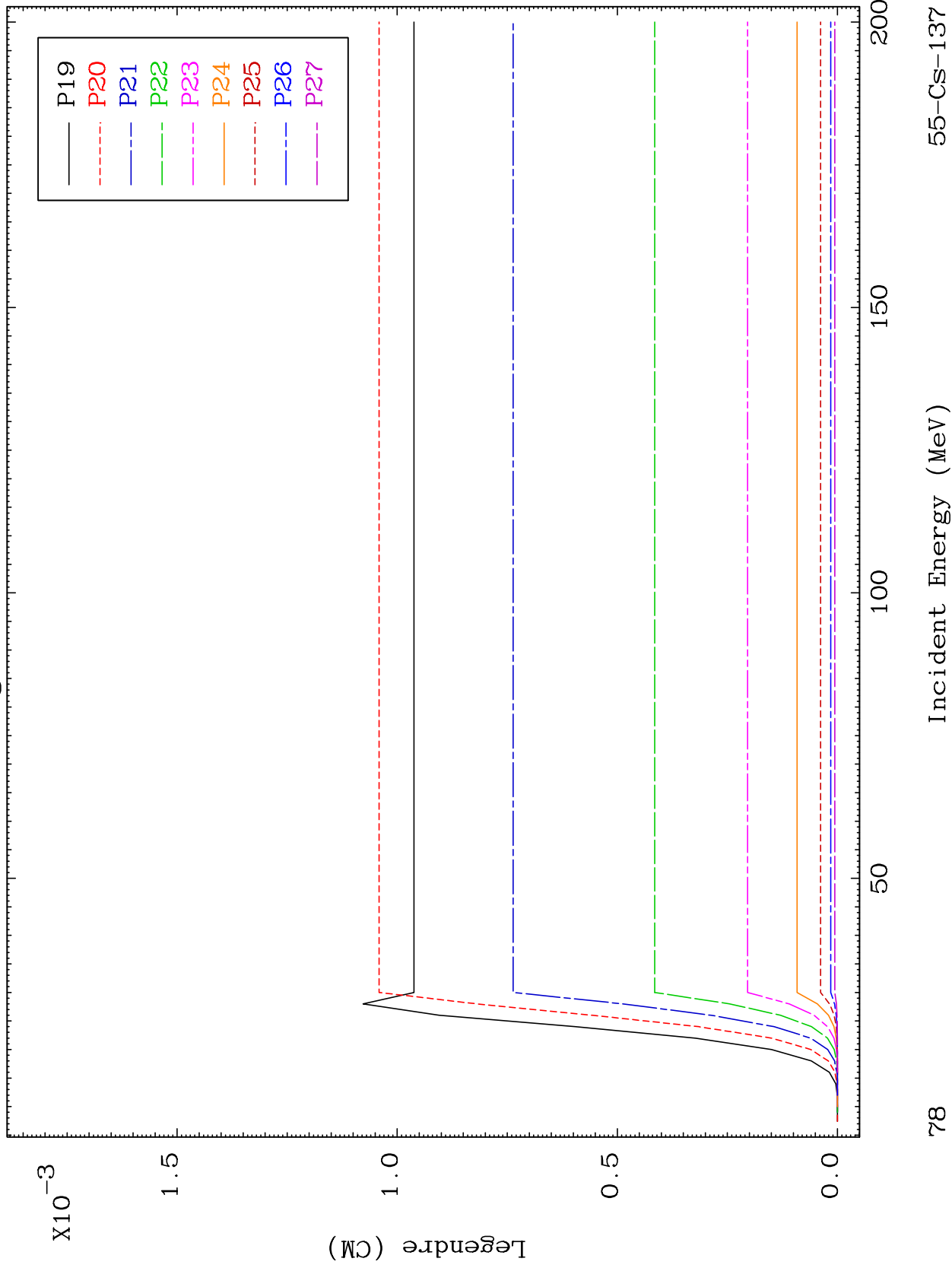
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

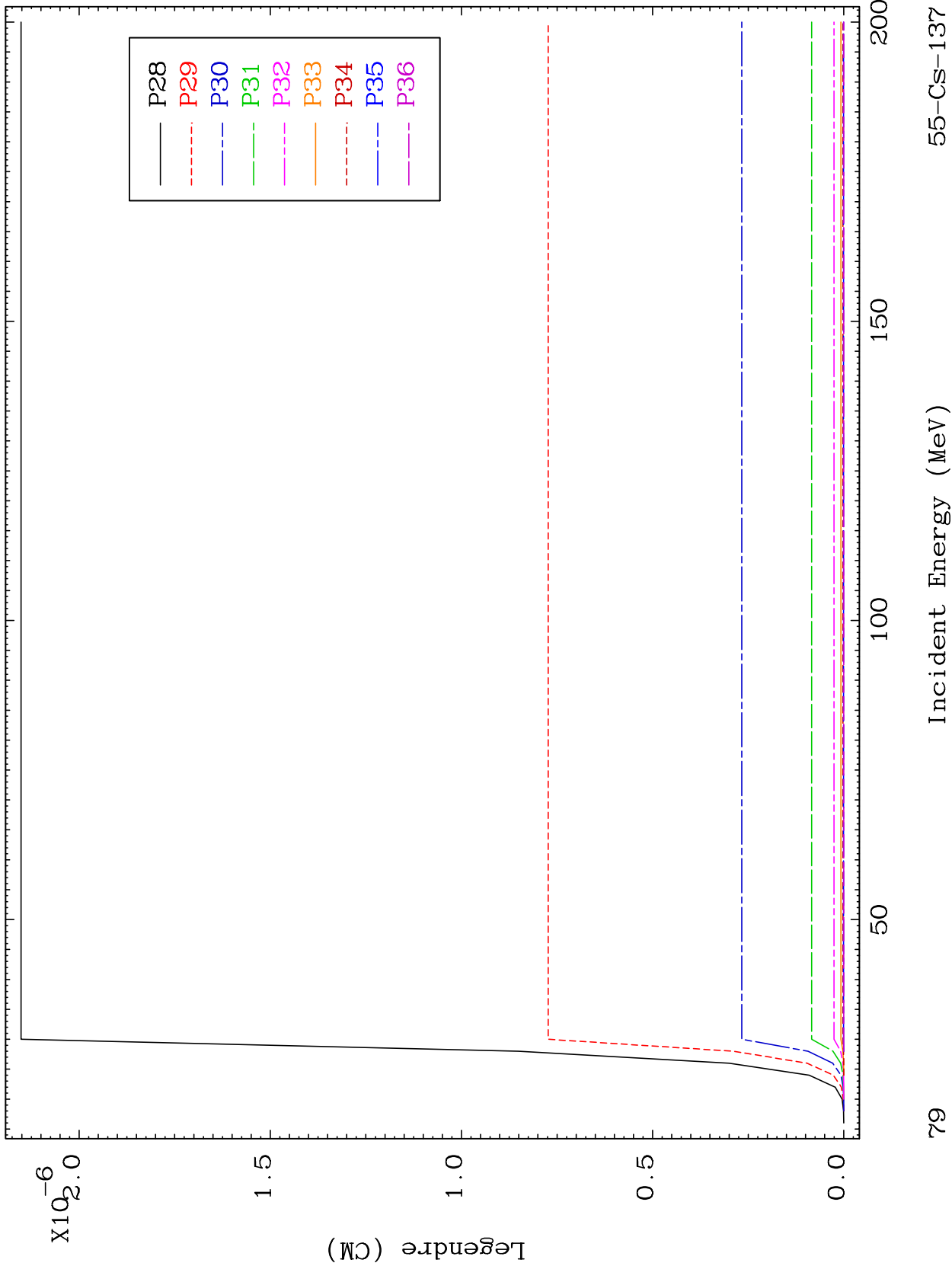
55-Cs-137



MAT 5537

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

55-Cs-137



79

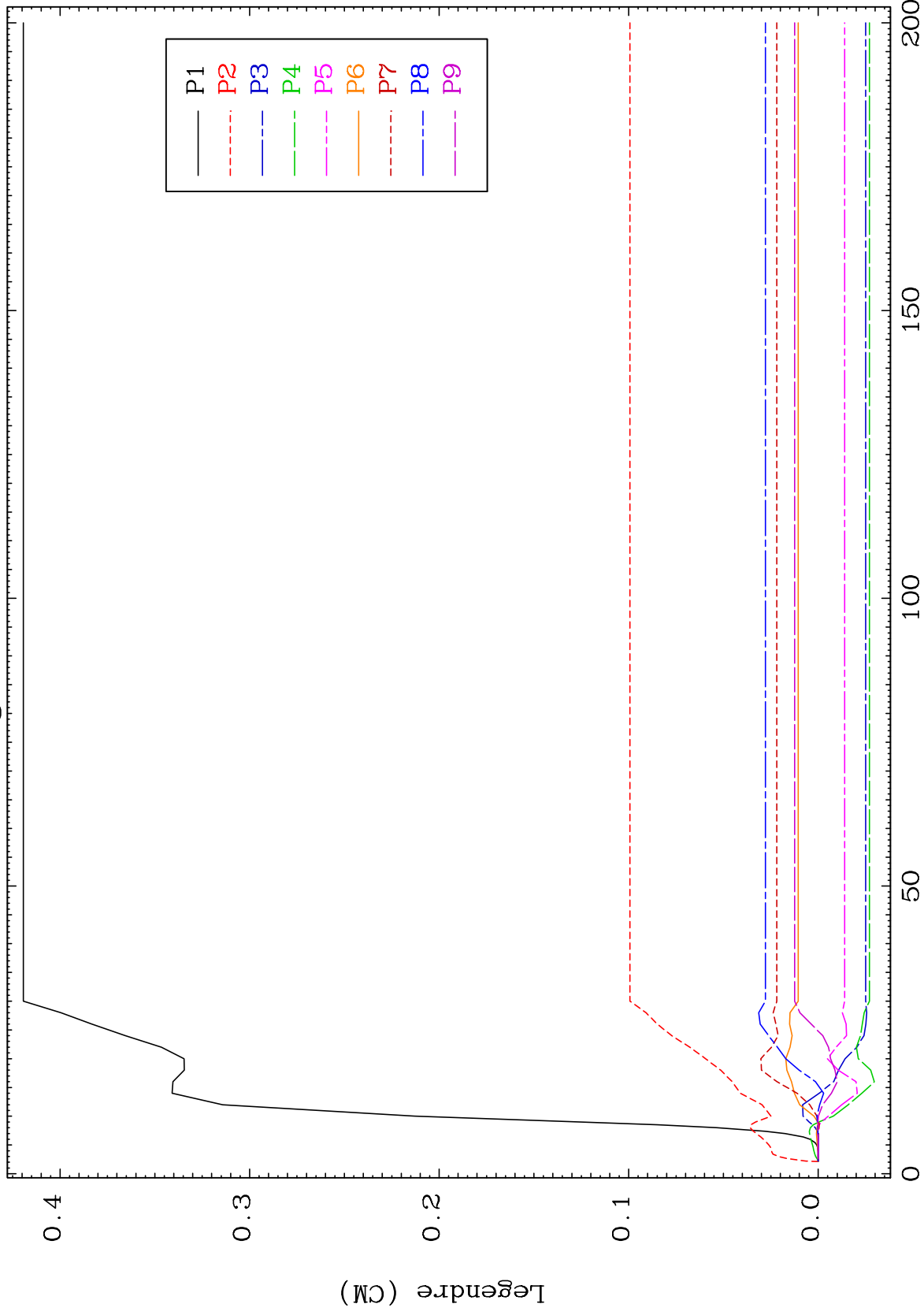
55-Cs-137



MAT 5537

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

55-Cs-137



55-Cs-137

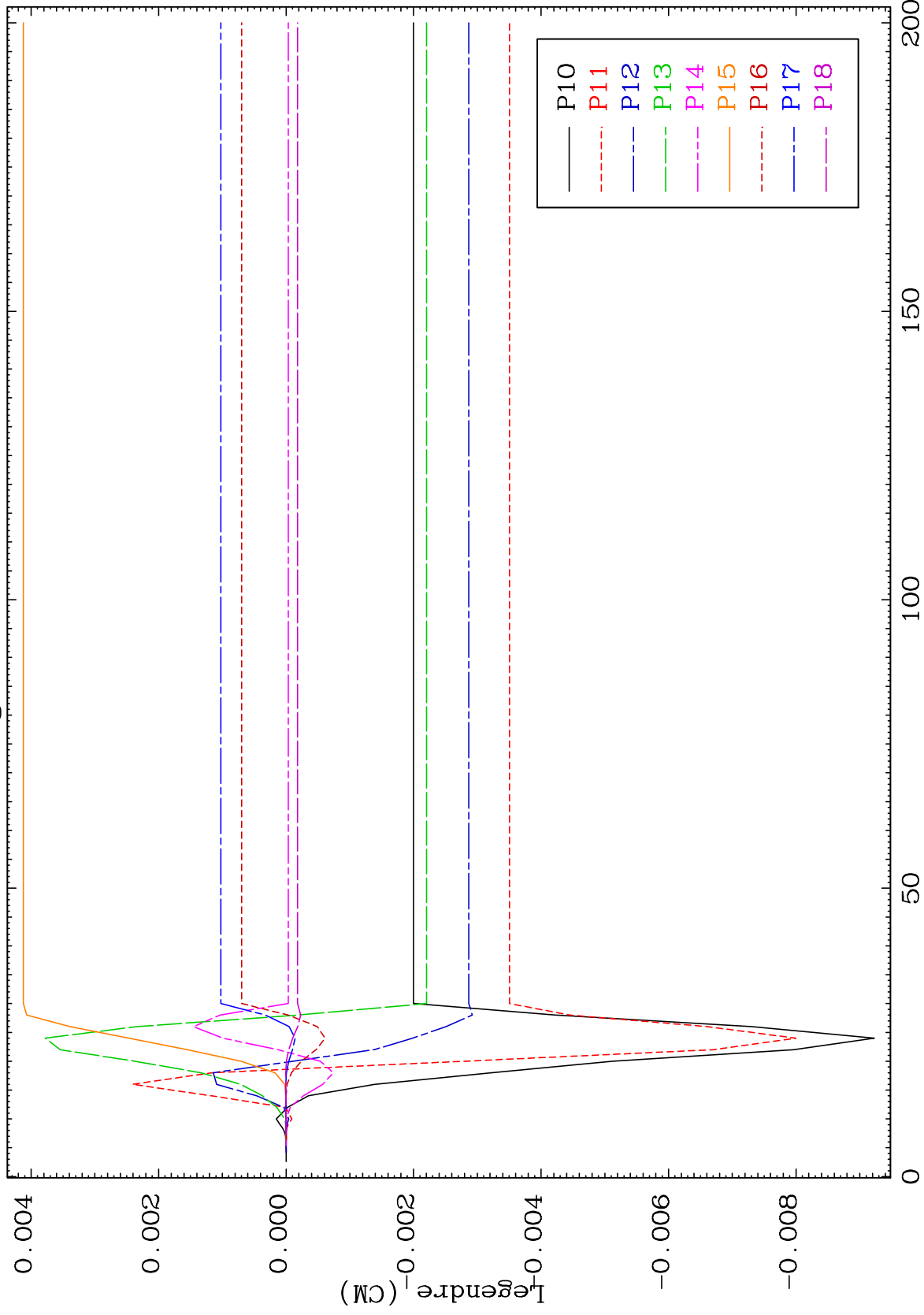
Incident Energy (MeV)

80

MAT 5537

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

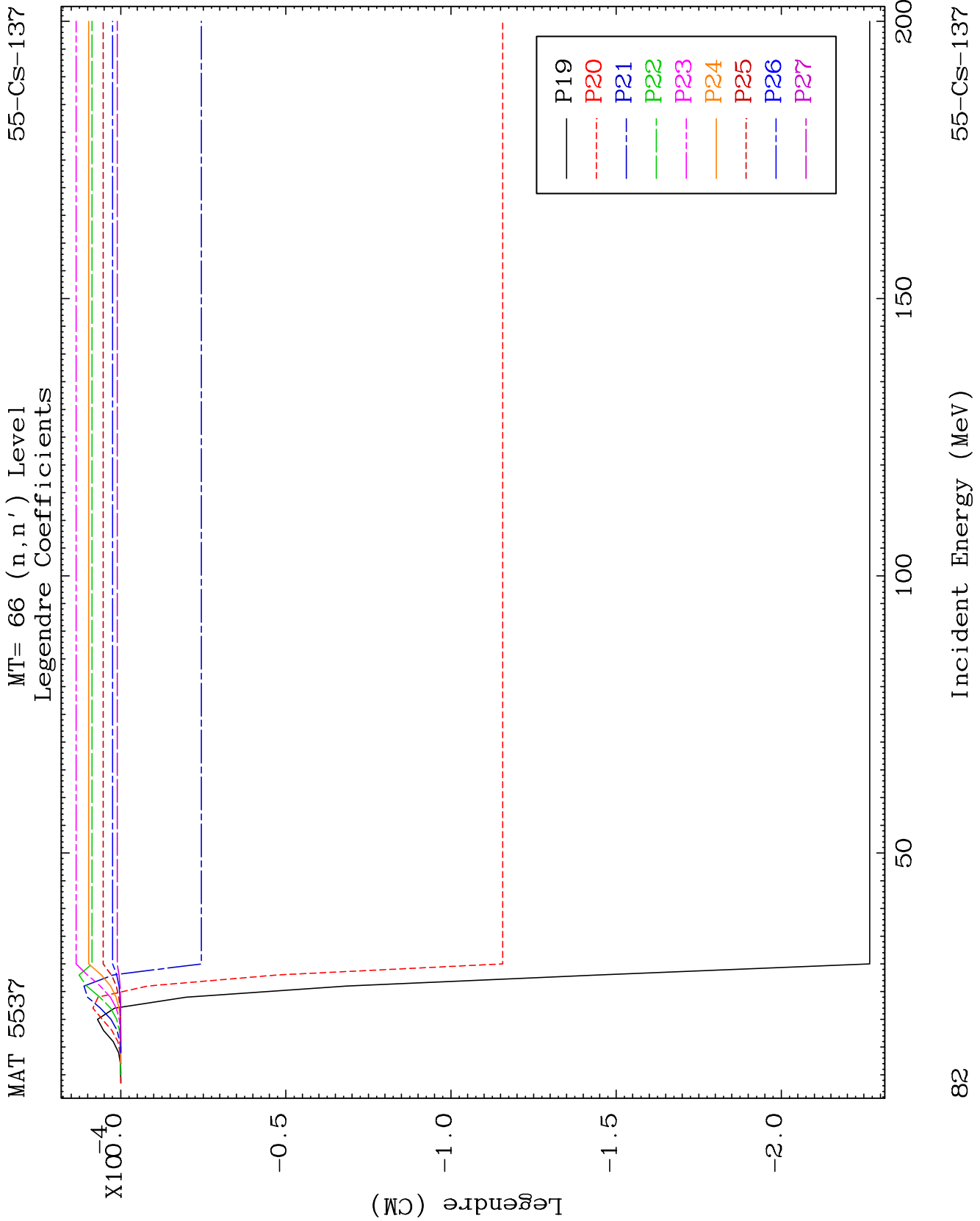
55-Cs-137



81

Incident Energy (MeV)

55-Cs-137

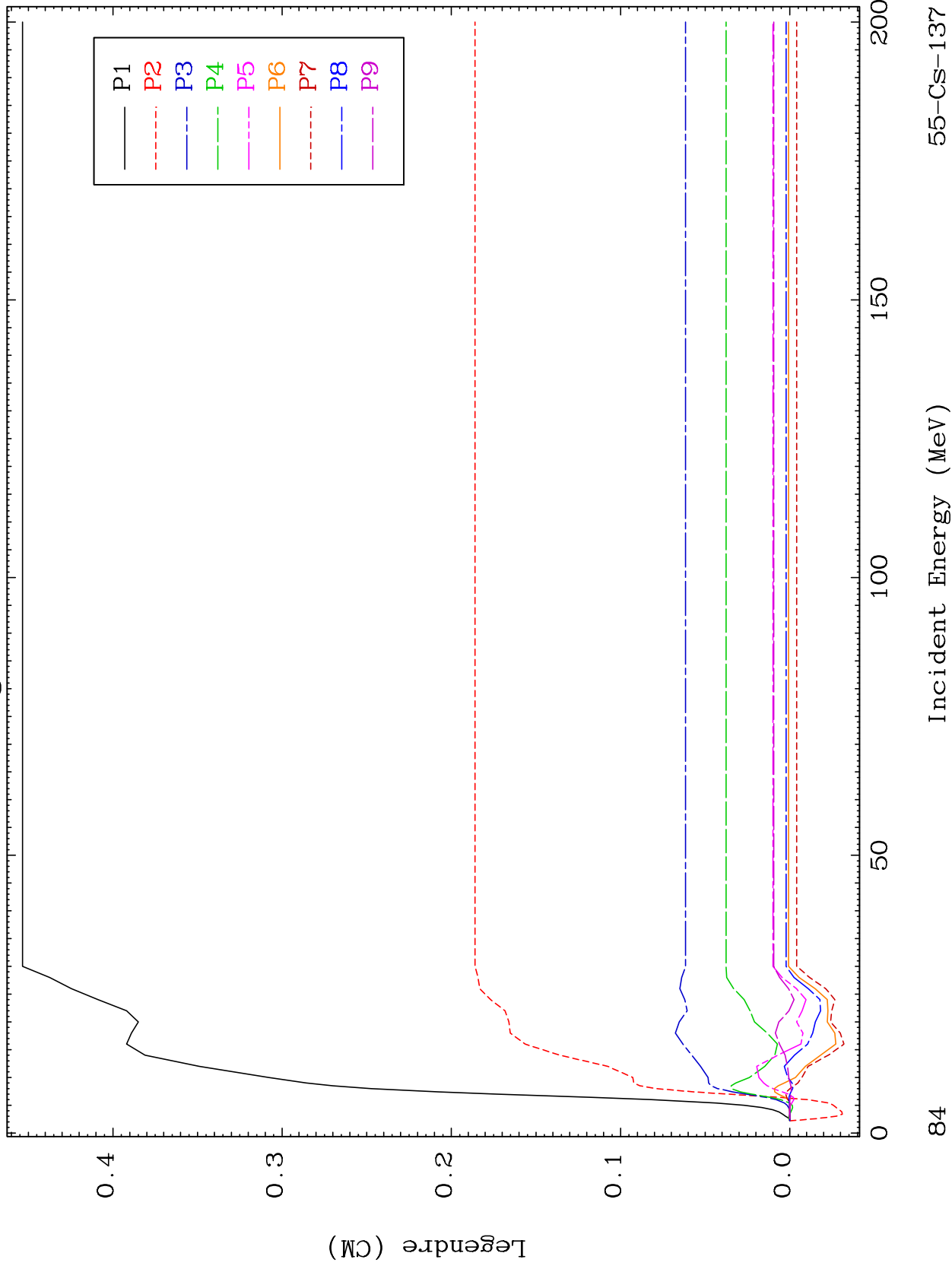




MAT 5537

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

55-Cs-137

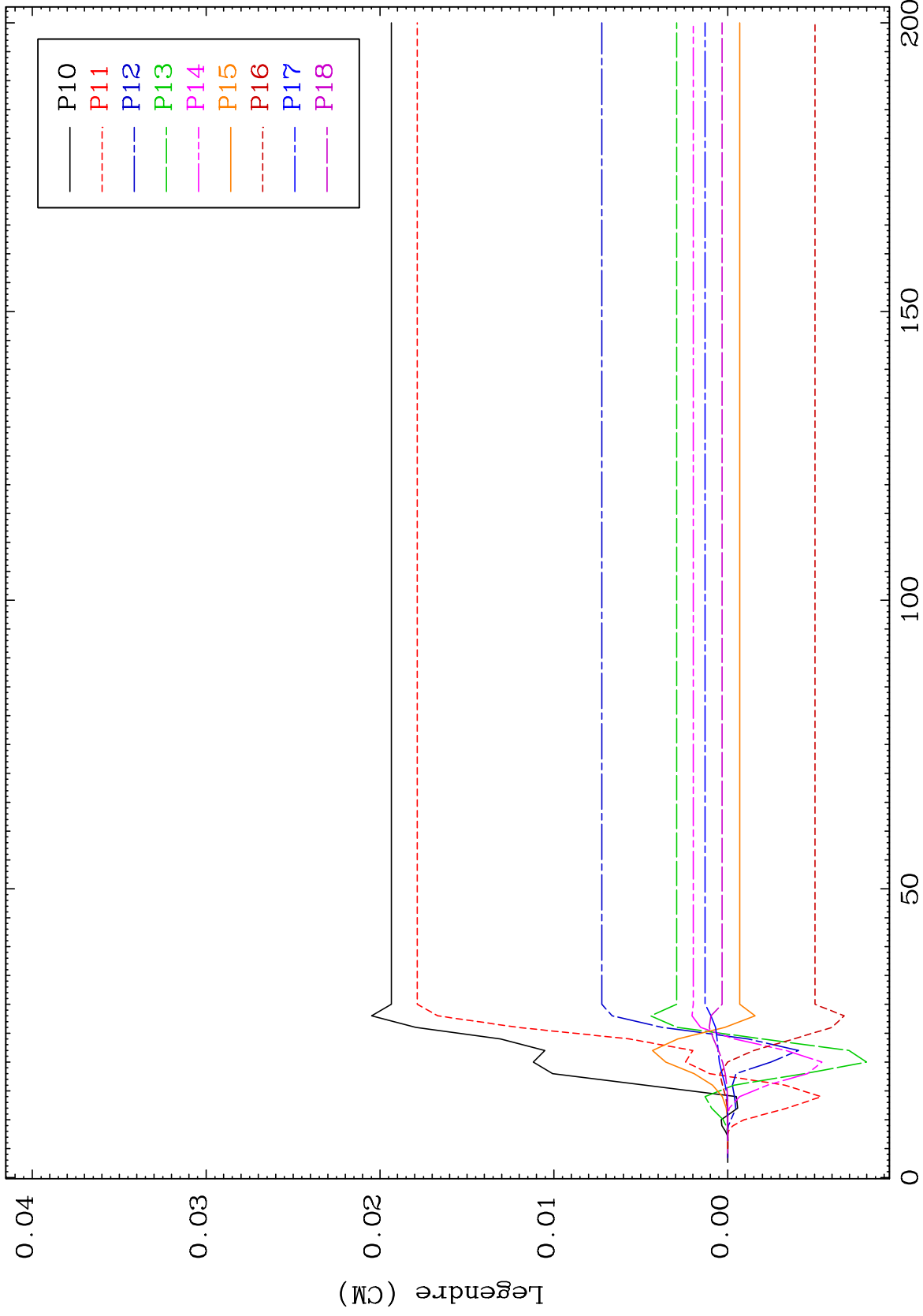


84

MAT 5537

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

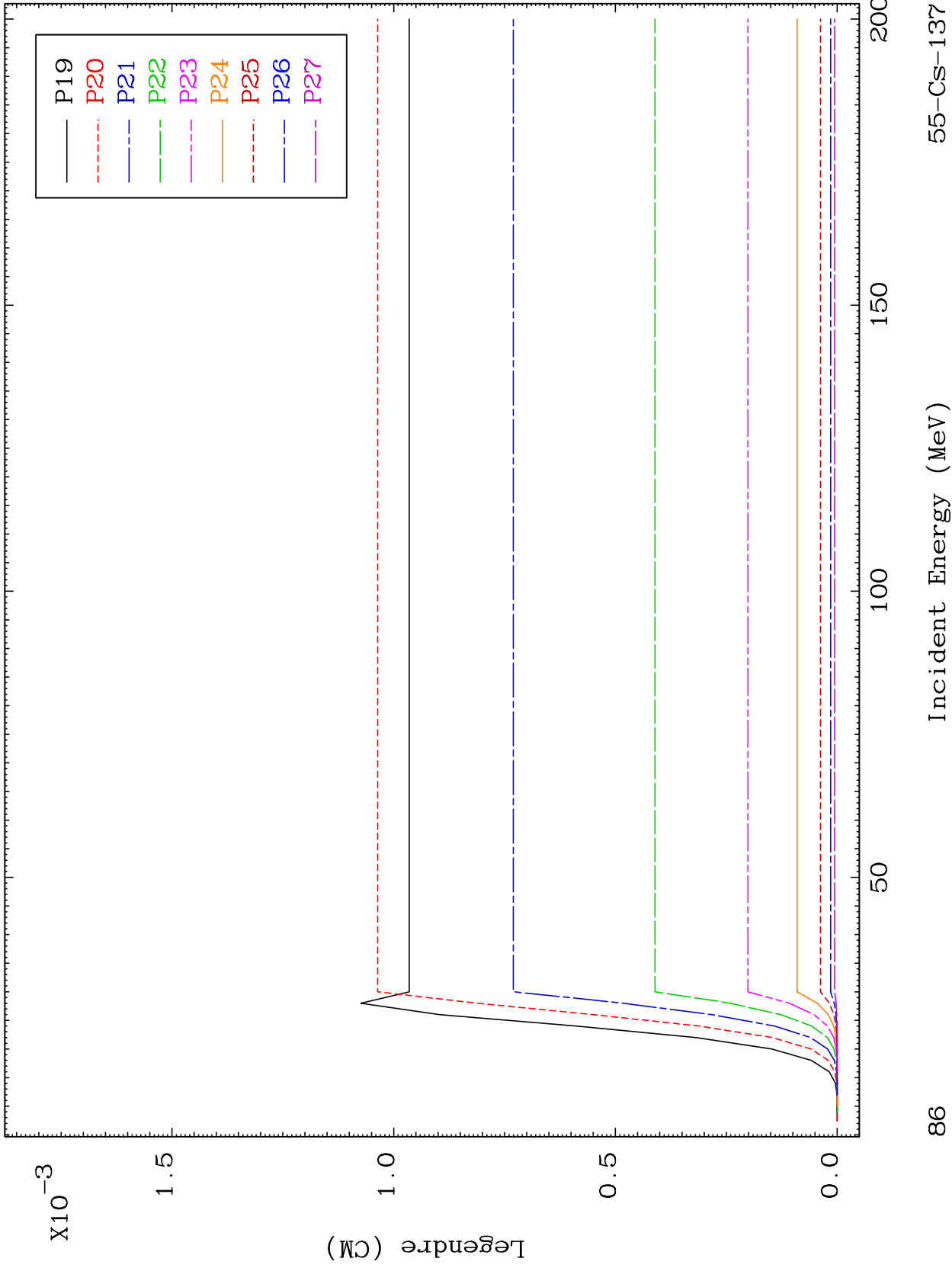
55-Cs-137



85

Incident Energy (MeV)

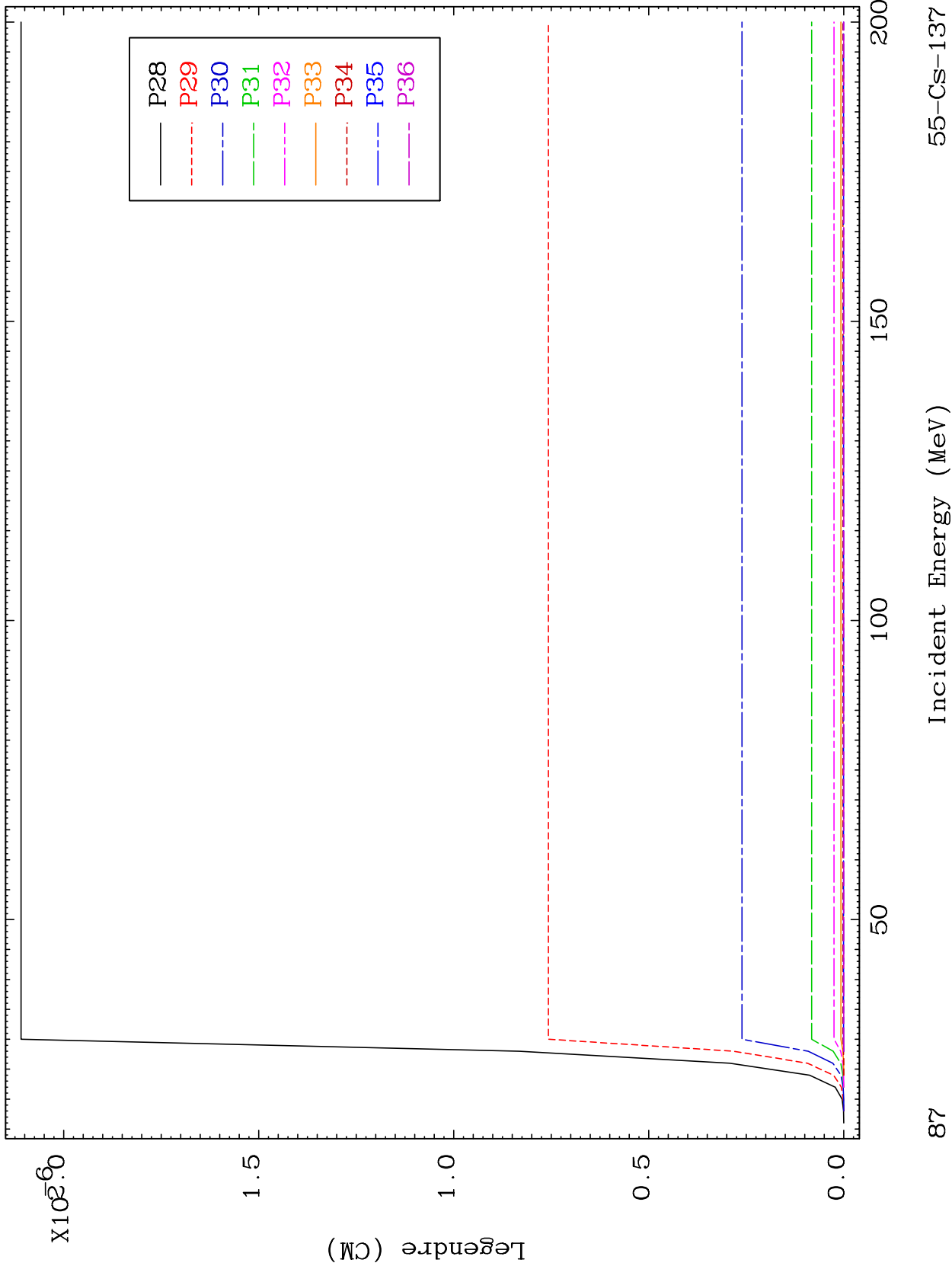
55-Cs-137



MAT 5537

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

55-Cs-137



87

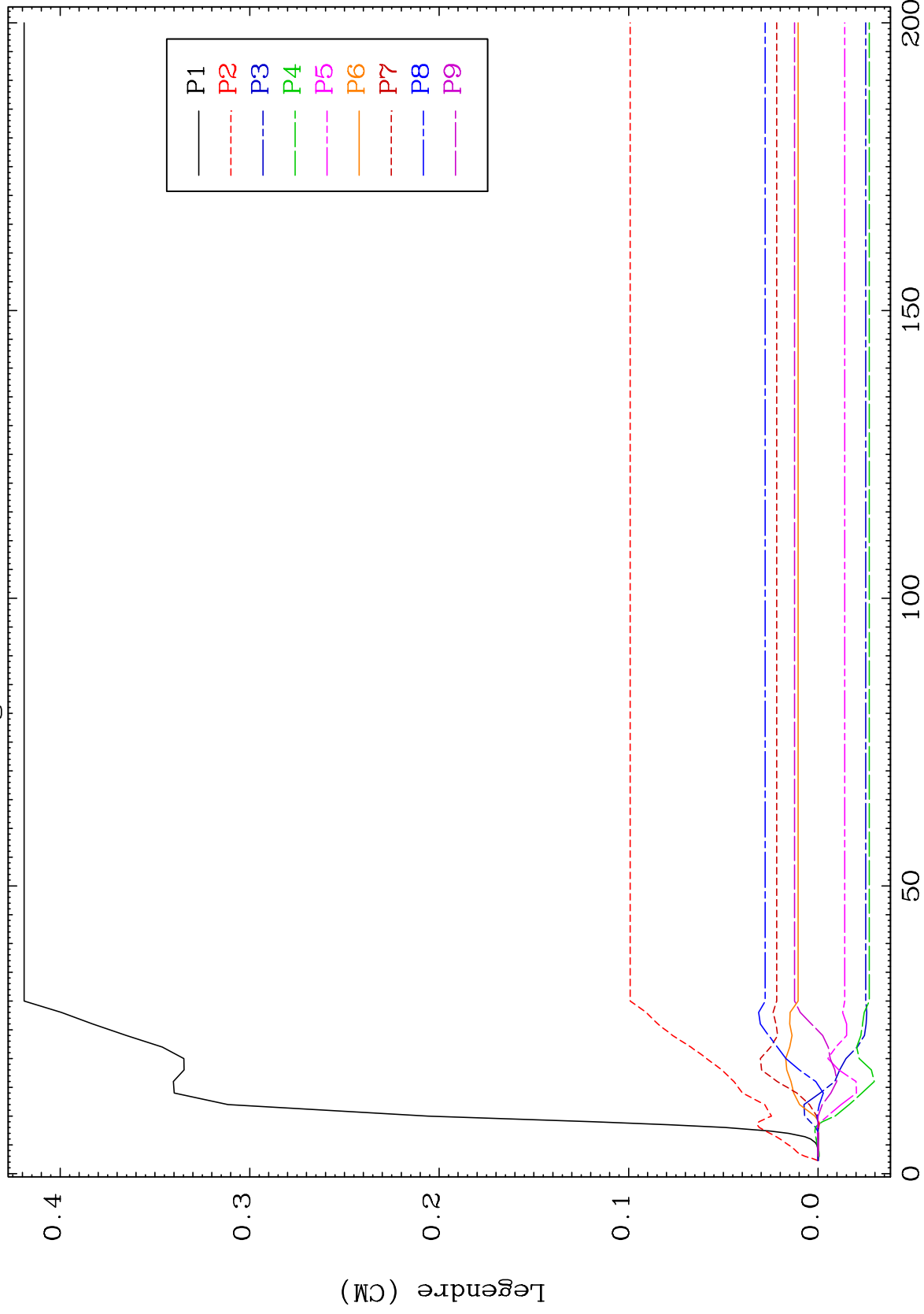
55-Cs-137



MAT 5537

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

55-Cs-137



55-Cs-137

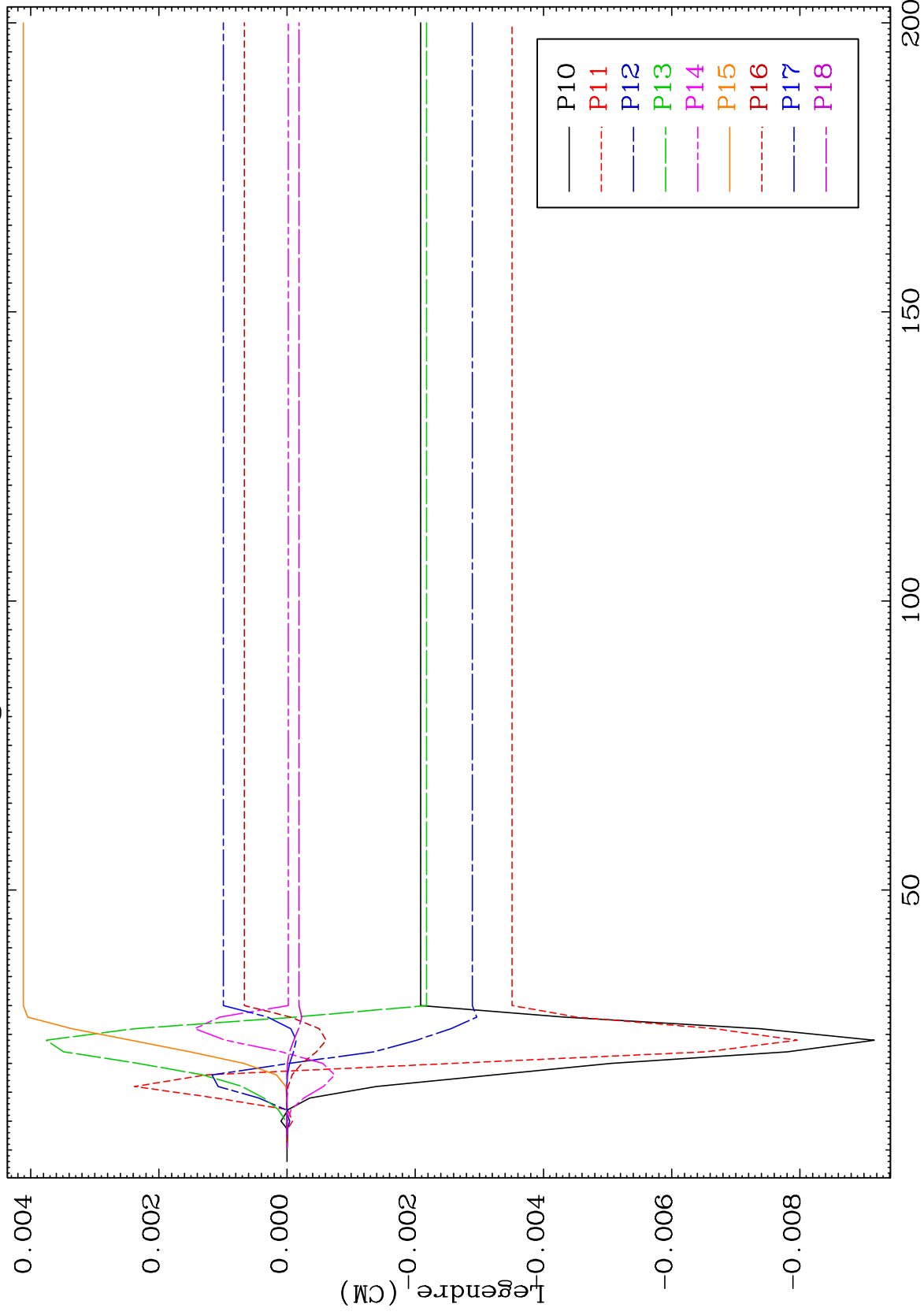
Incident Energy (MeV)

88

MAT 5537

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

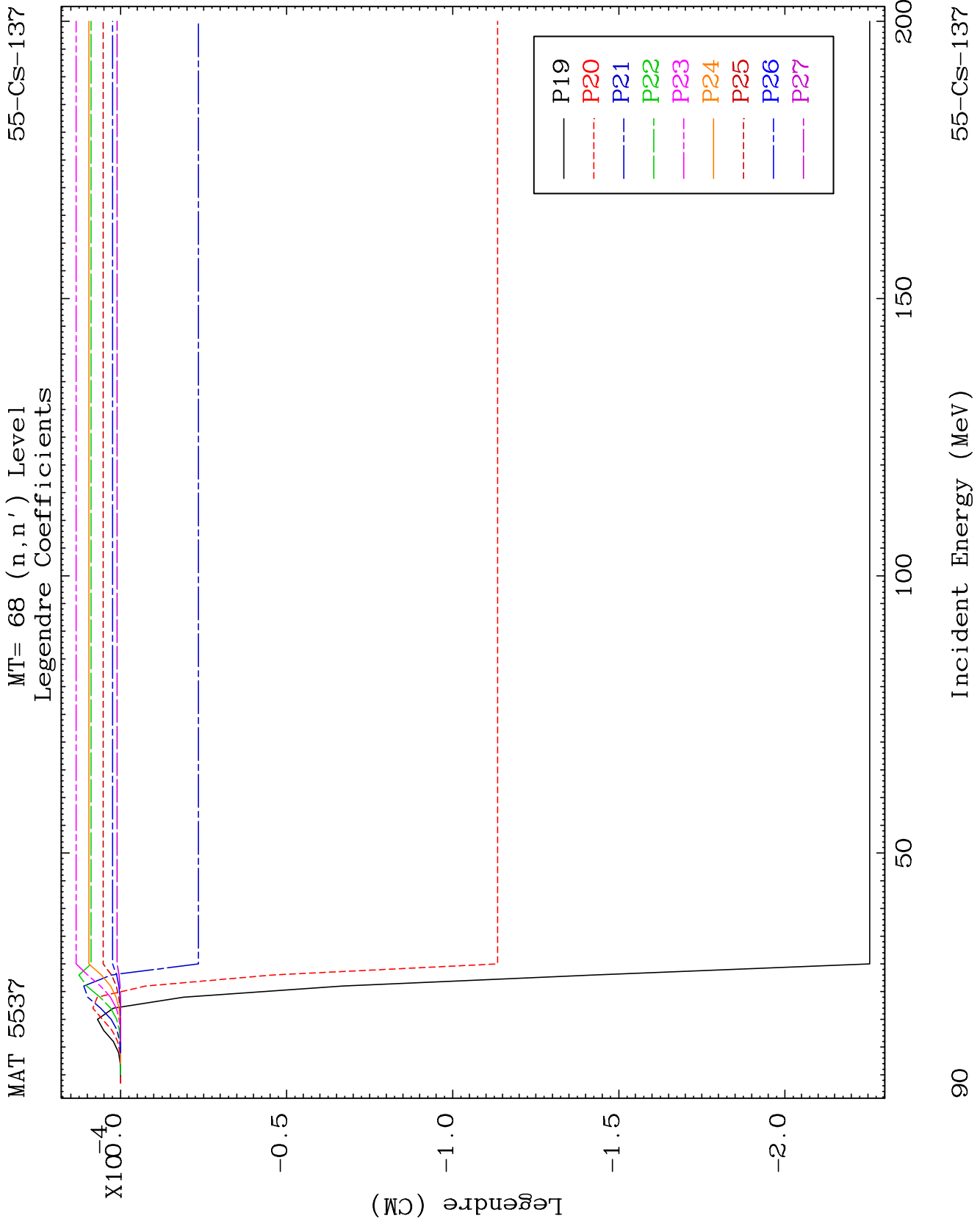
55-Cs-137



89

Incident Energy (MeV)

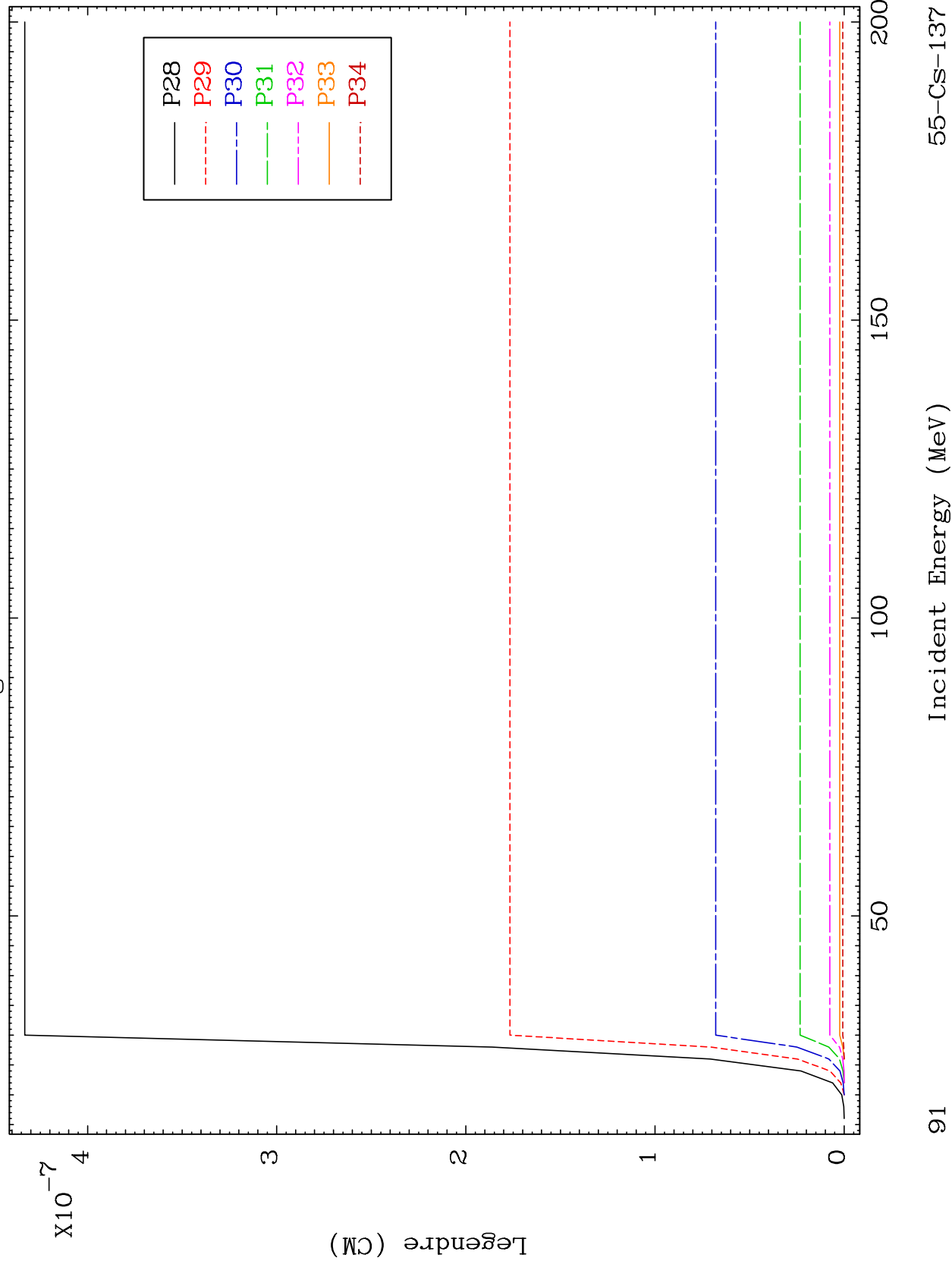
55-Cs-137



MAT 5537

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

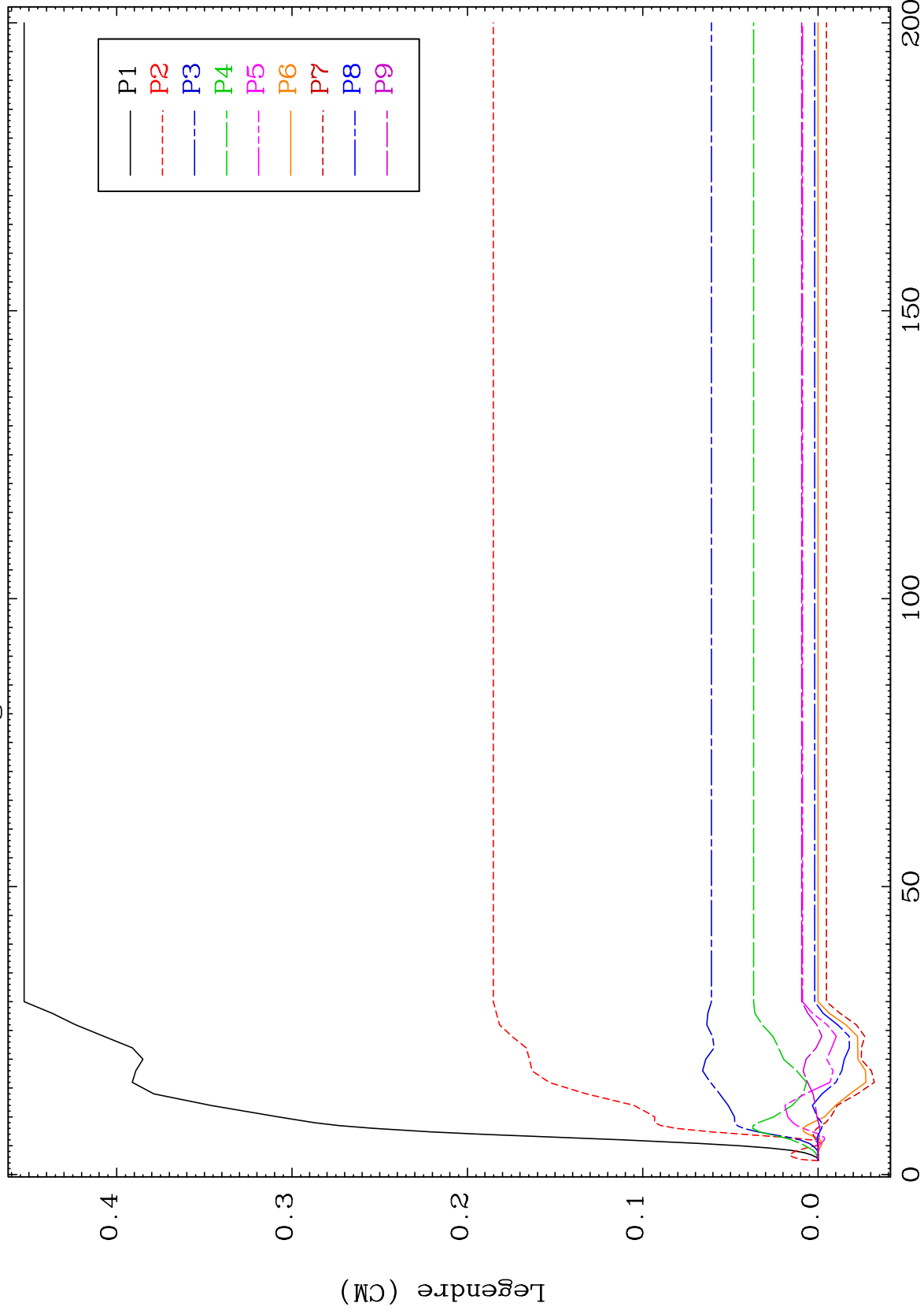
55-Cs-137



MAT 5537

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

55-Cs-137



92

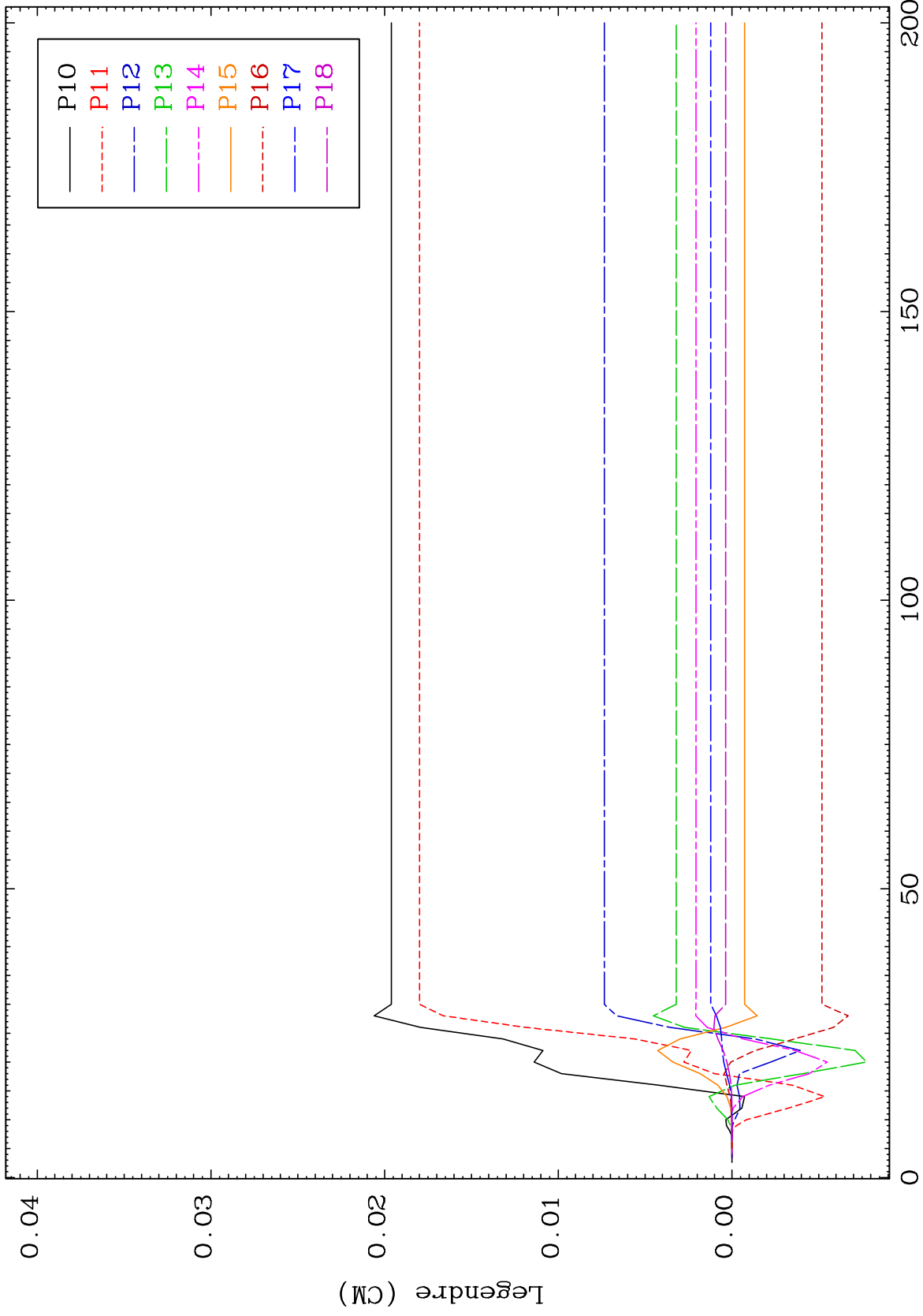
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



93

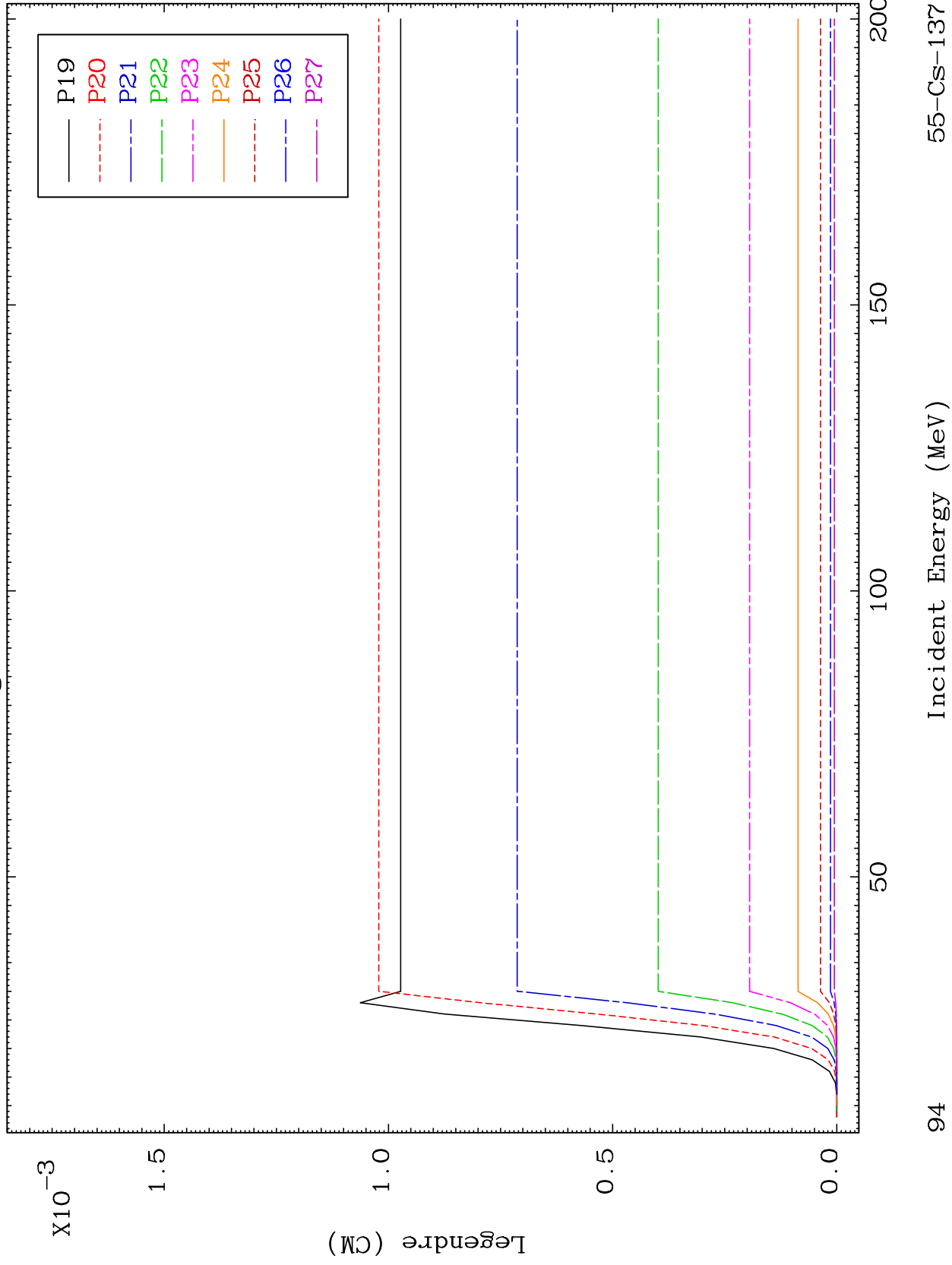
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

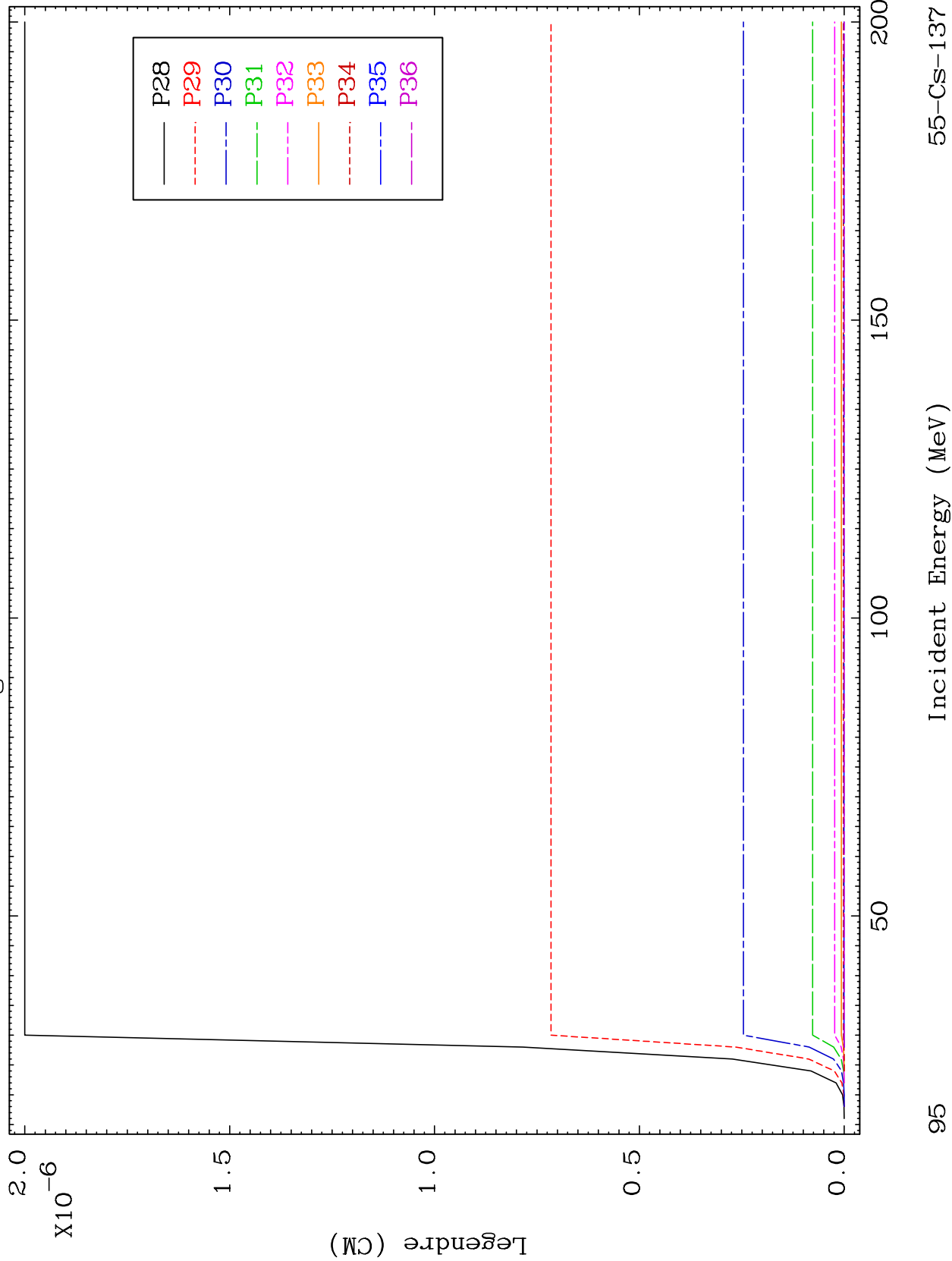
55-Cs-137



MAT 5537

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

55-Cs-137



95

Incident Energy (MeV)

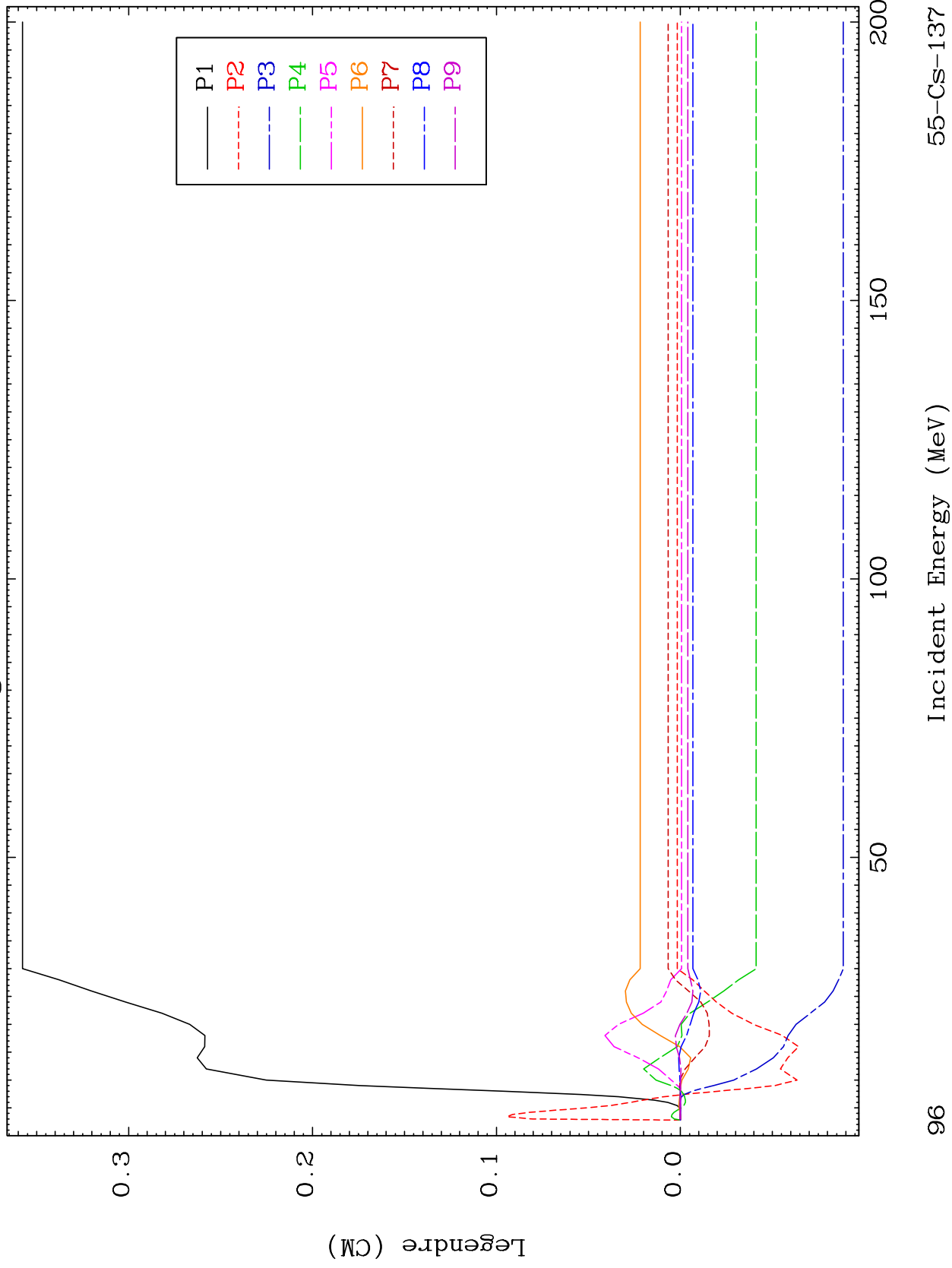
55-Cs-137



MAT 5537

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

55-Cs-137



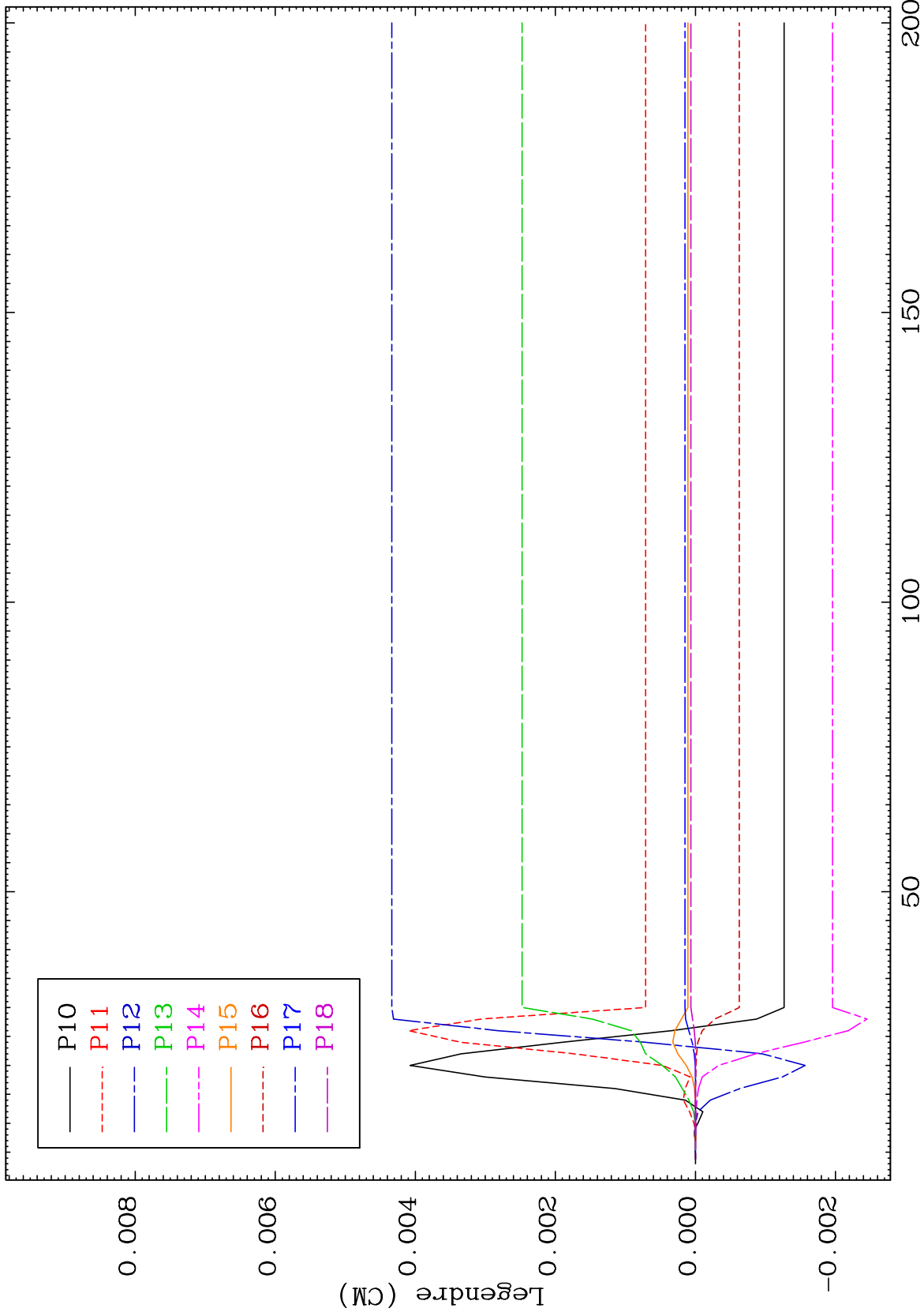
96

55-Cs-137

MAT 5537

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

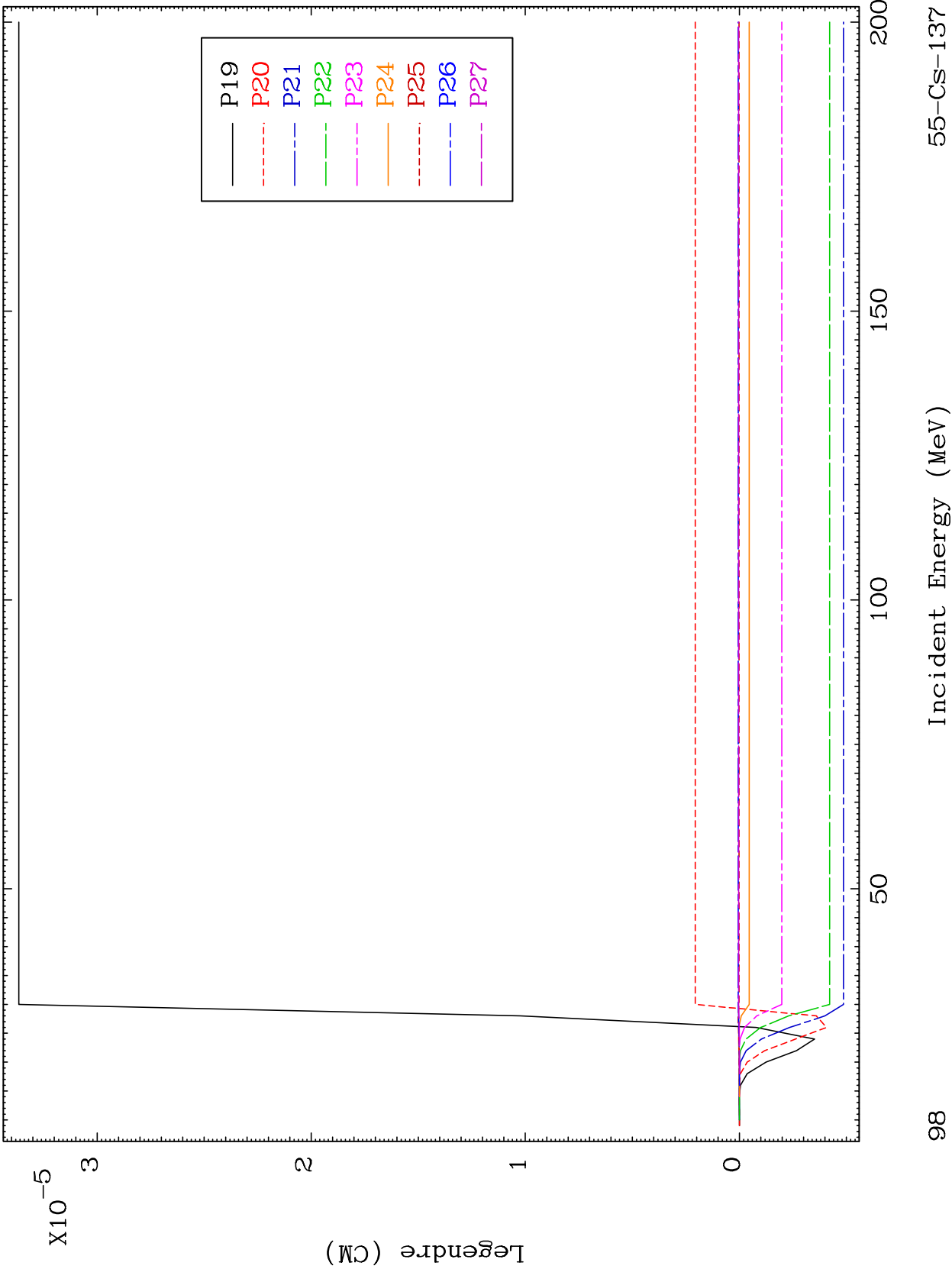
55-Cs-137



MAT 5537

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

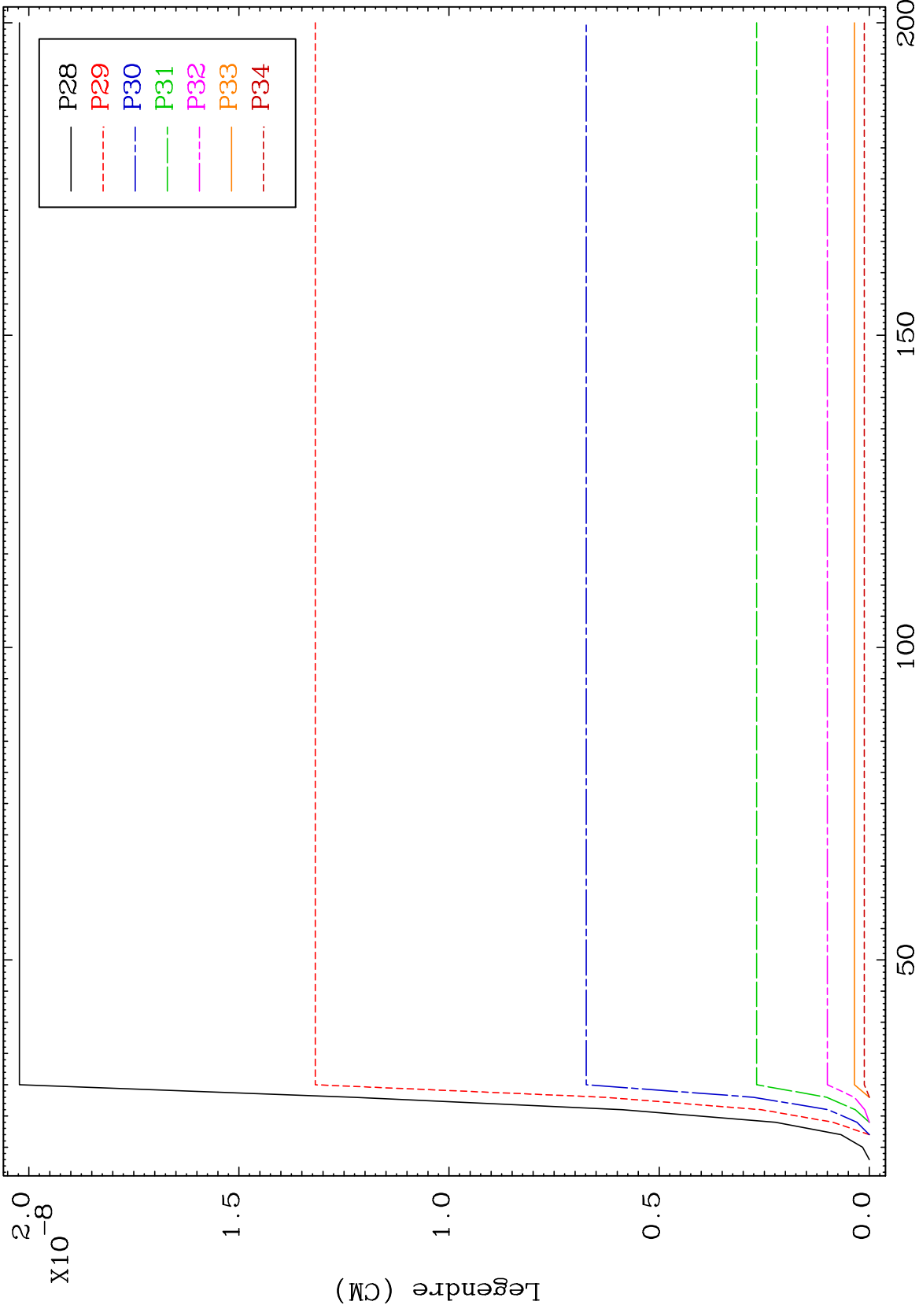
55-Cs-137



MAT 5537

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

55-Cs-137



99

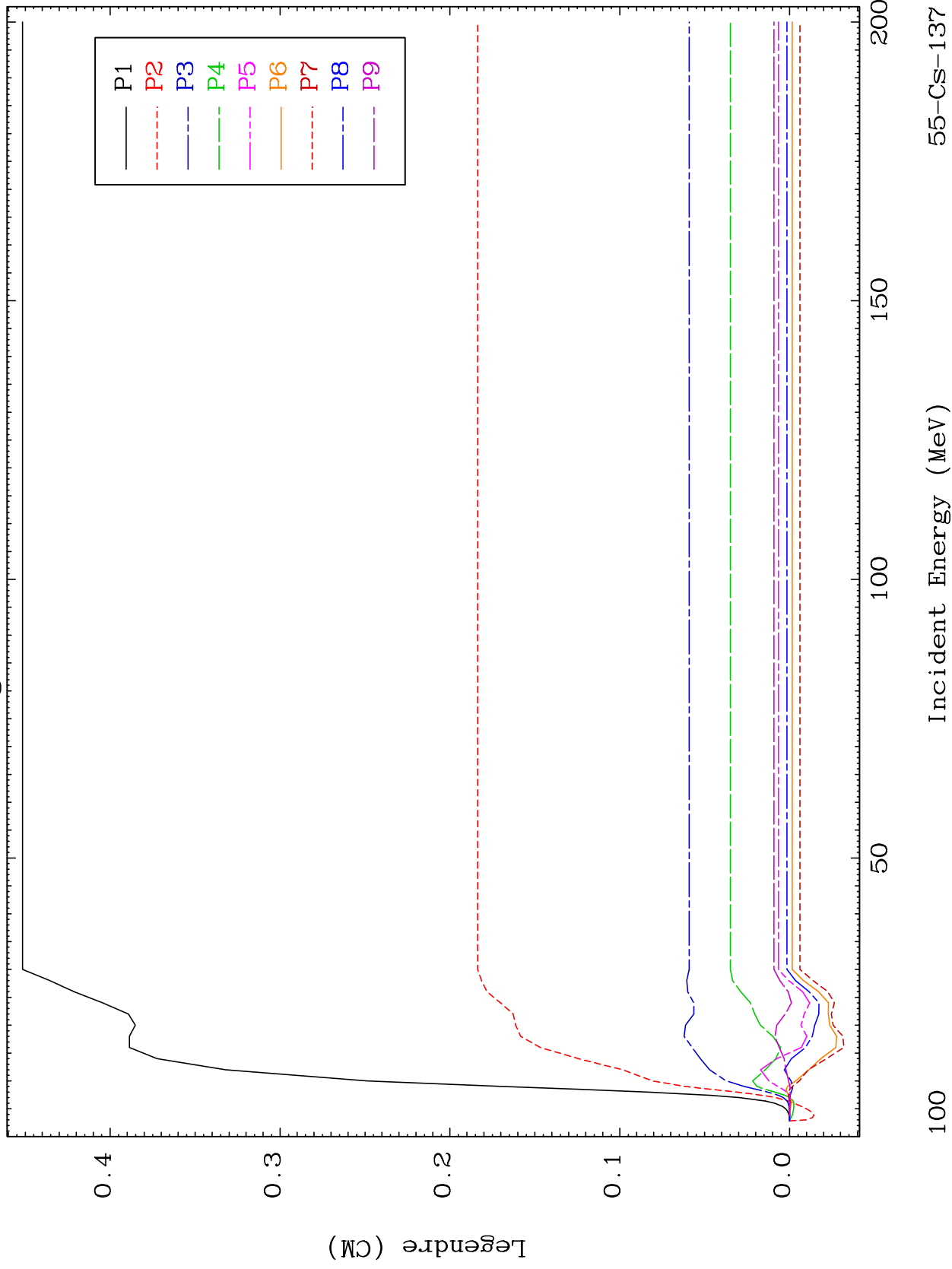
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137

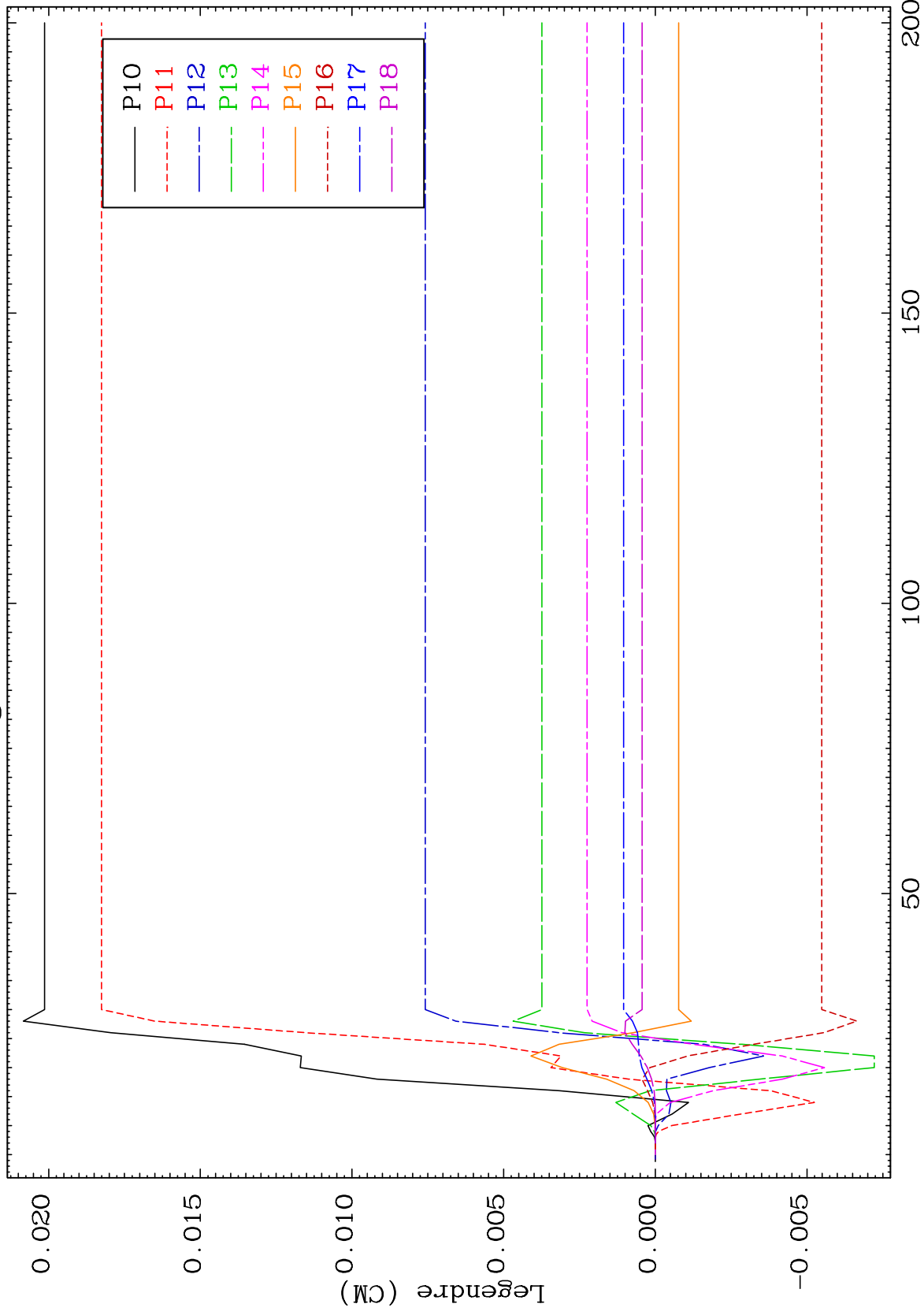


55-Cs-137

MAT 5537

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

55-Cs-137



101

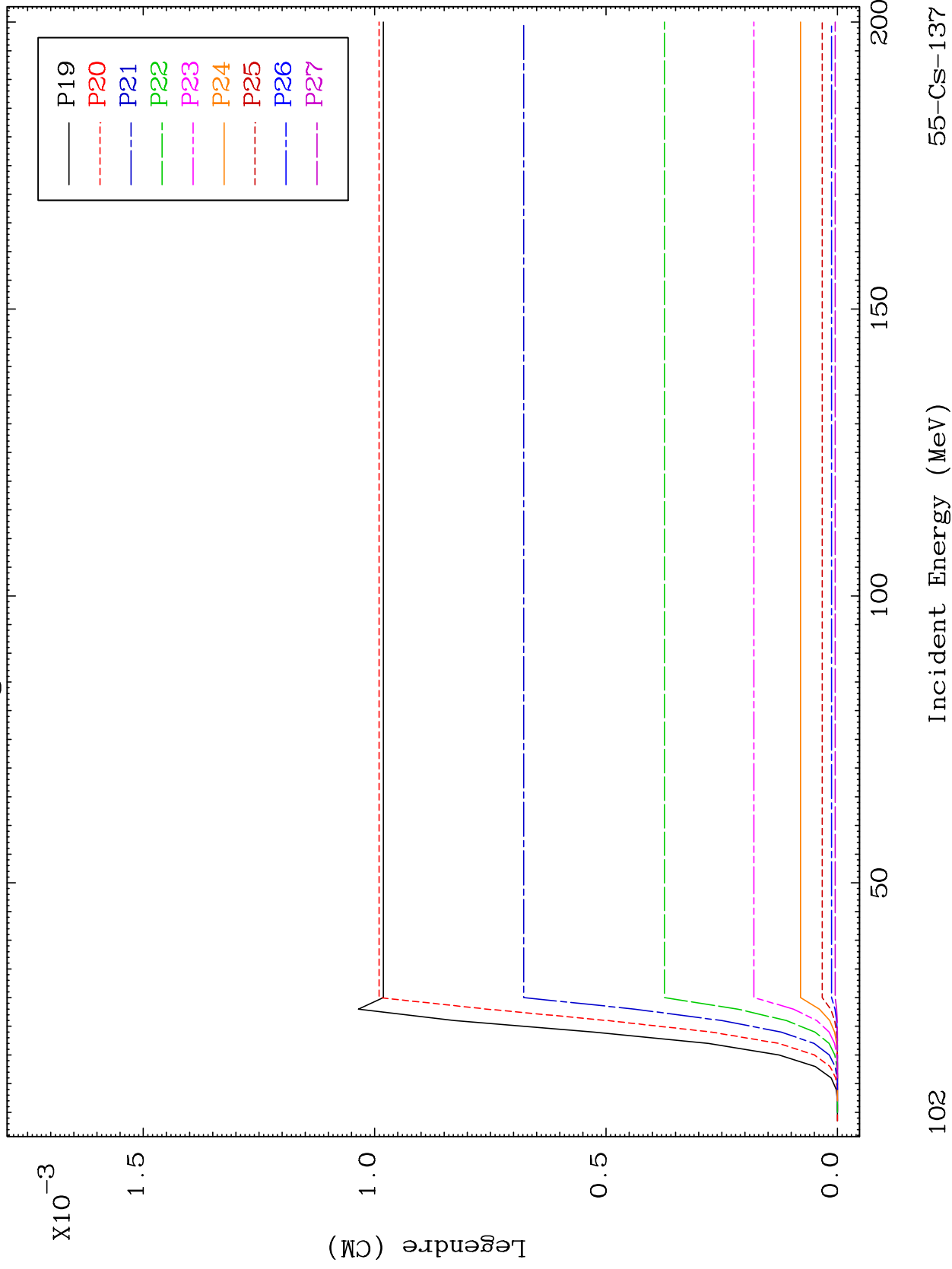
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



102

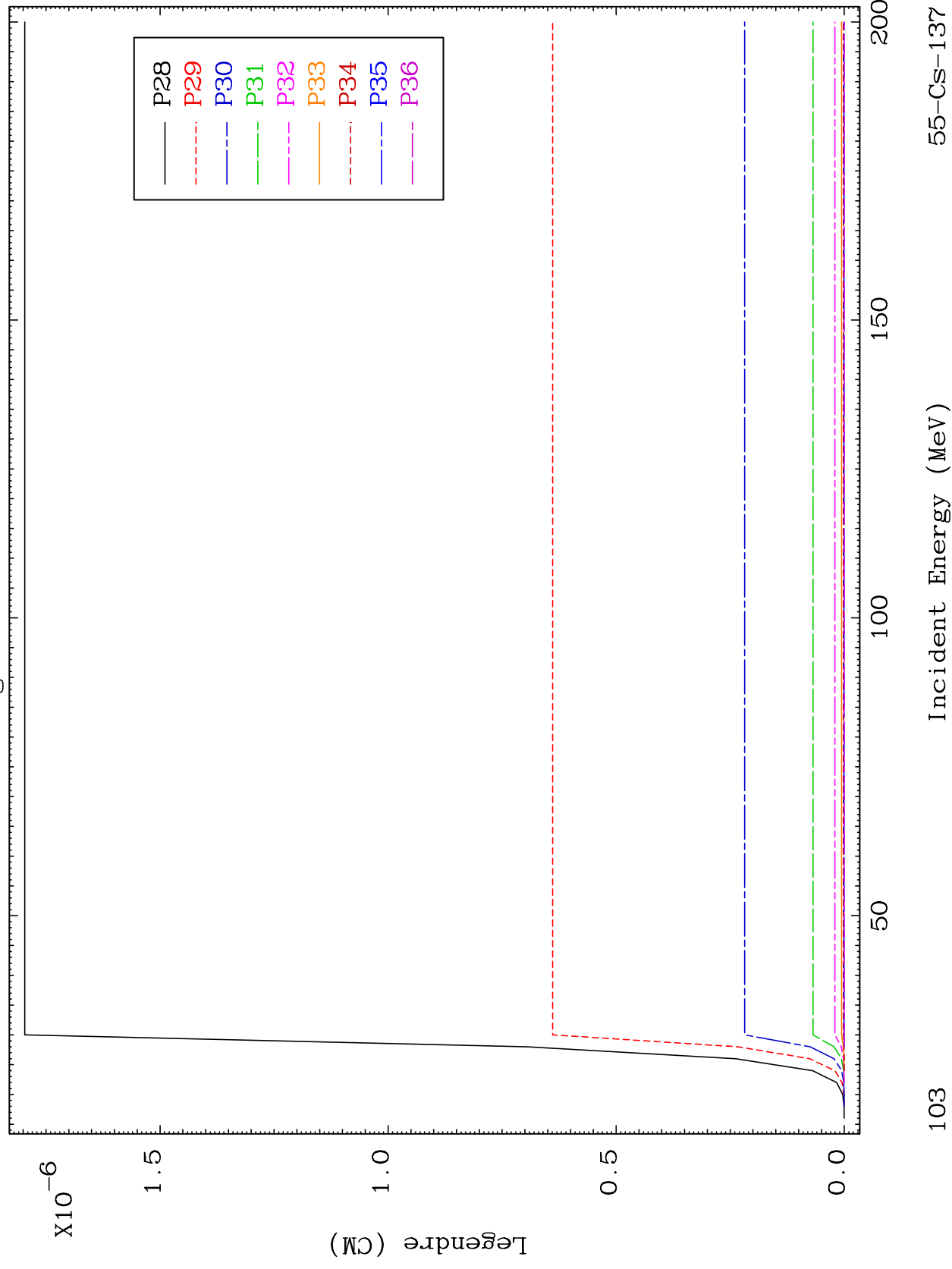
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



103

Incident Energy (MeV)

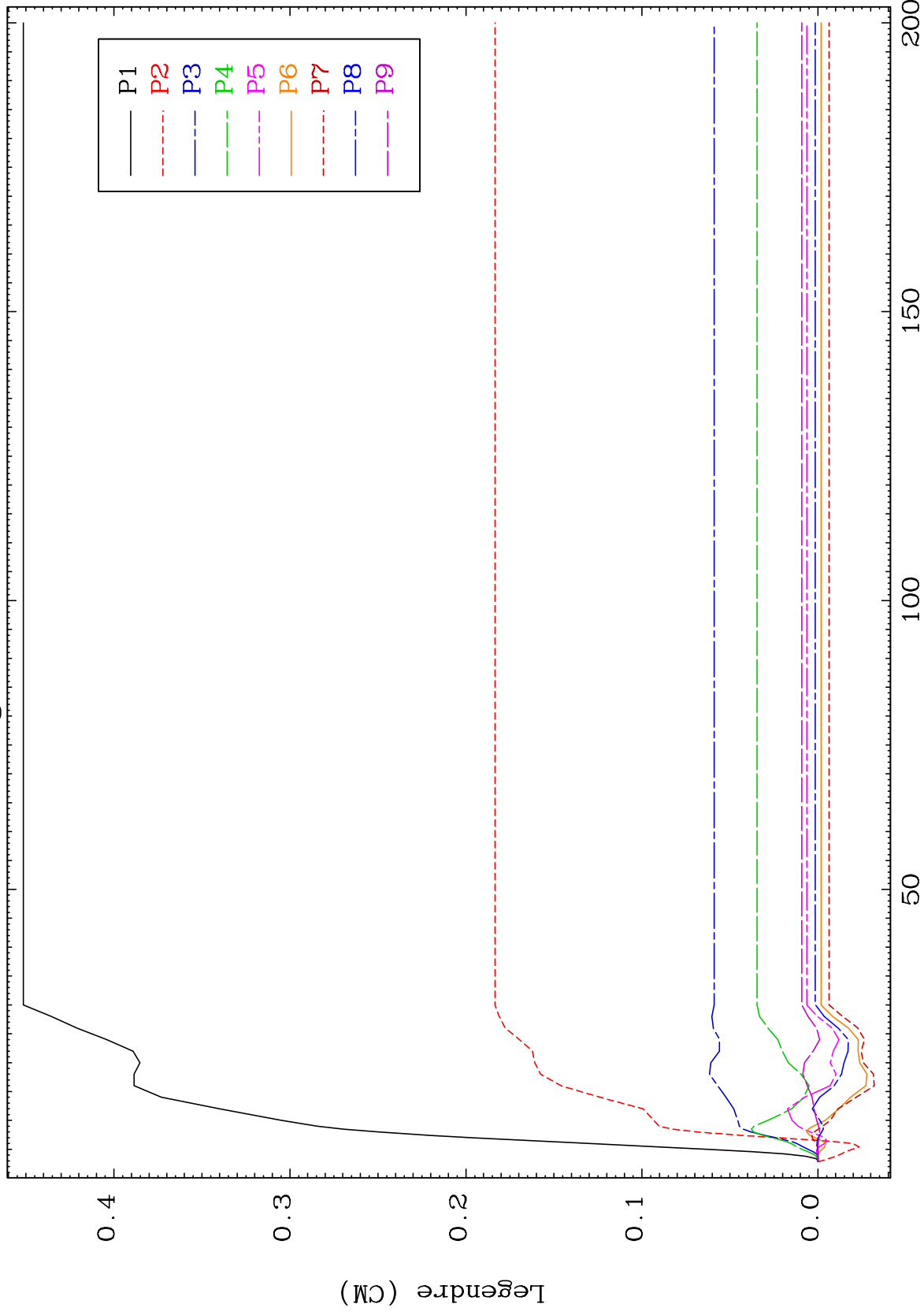
55-Cs-137



MAT 5537

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

55-Cs-137



104

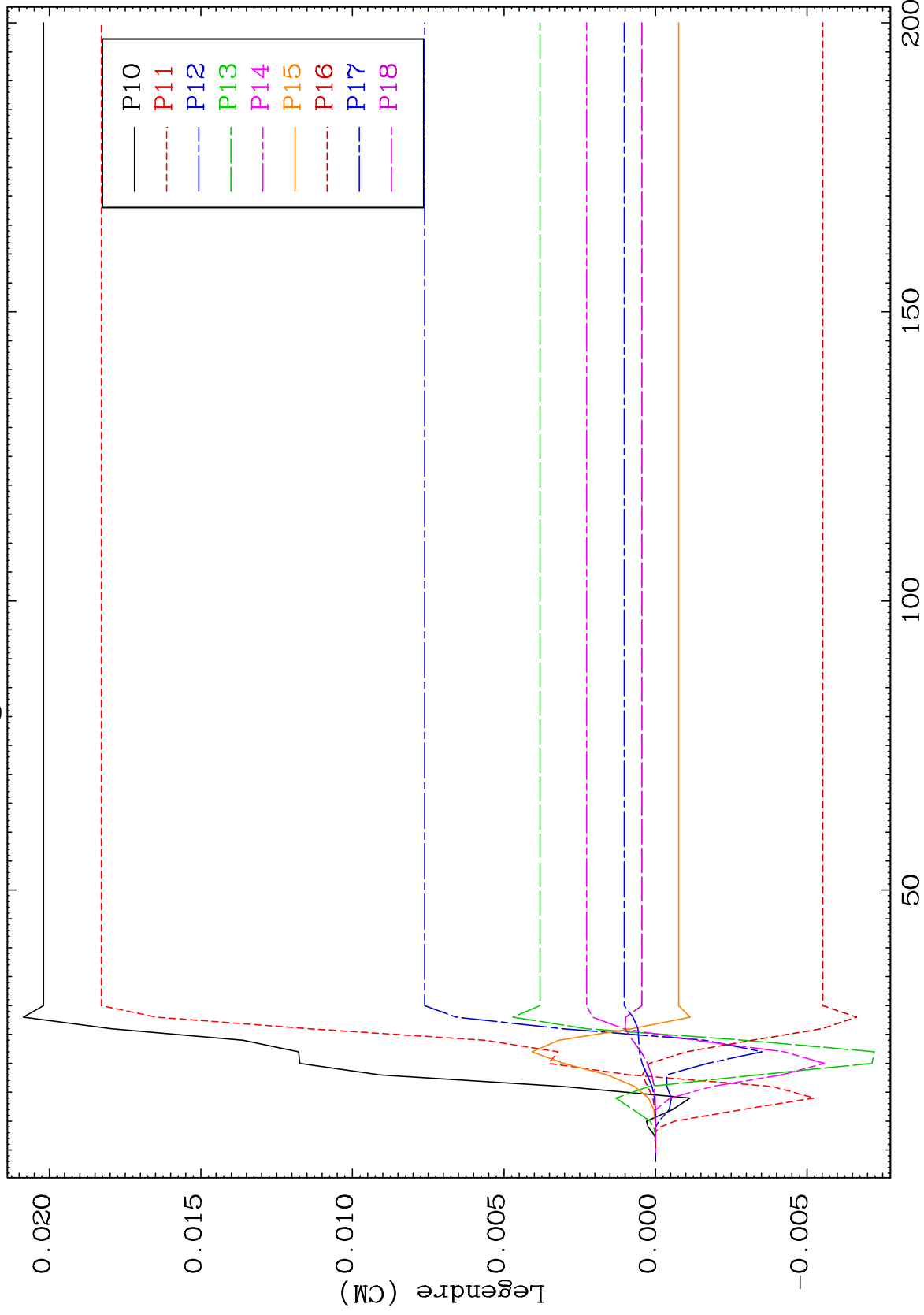
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



105

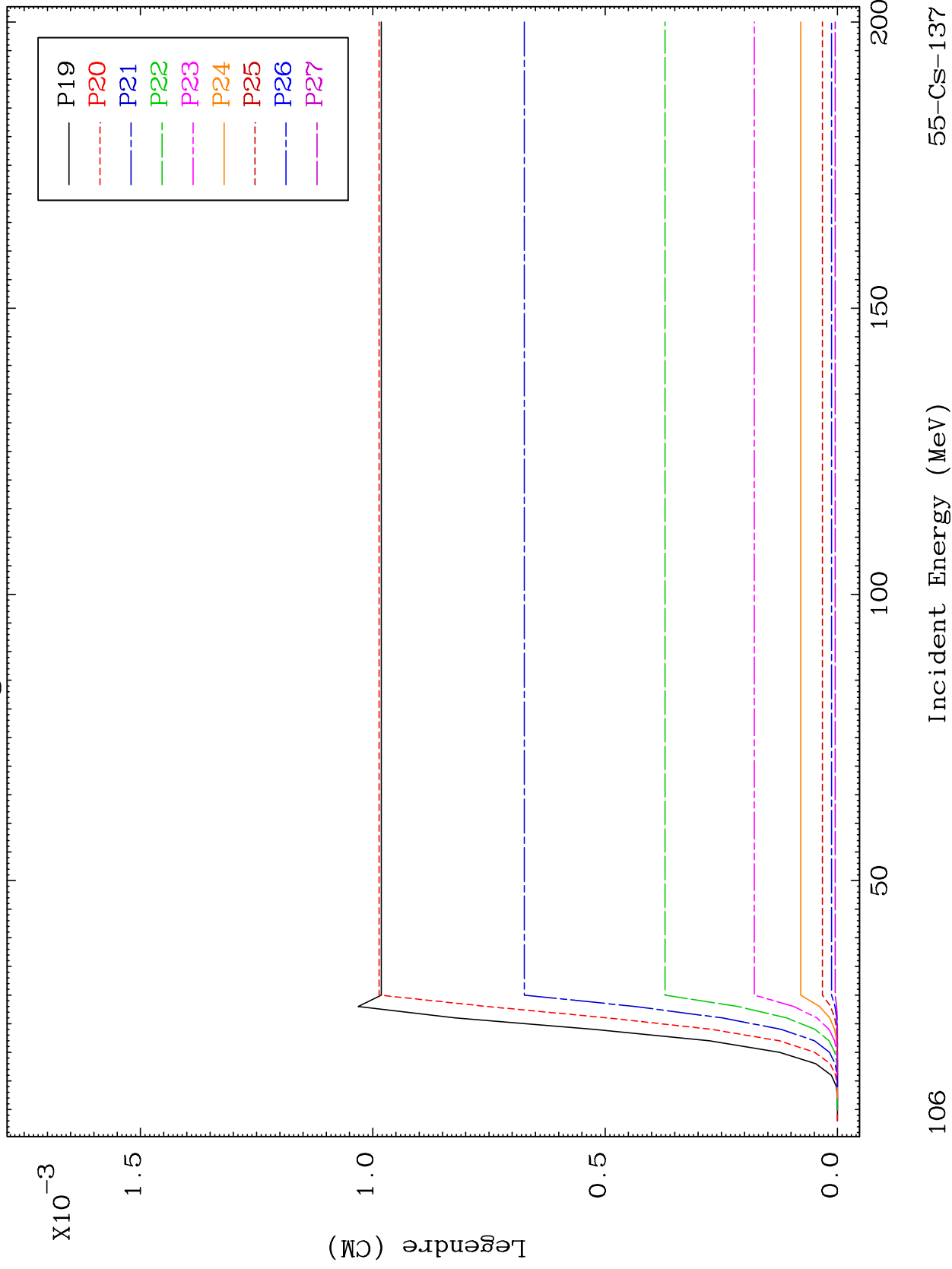
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



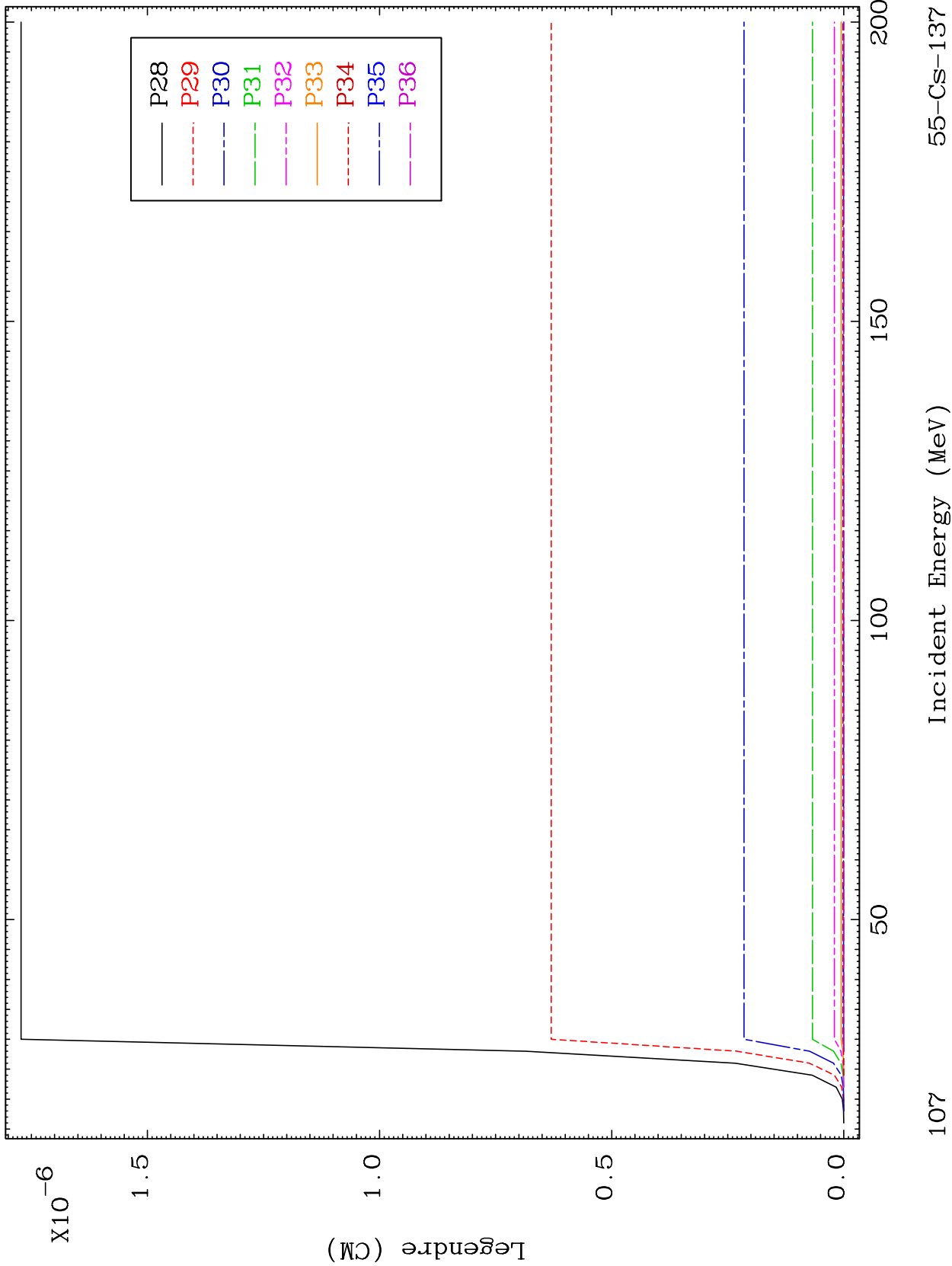
106

55-Cs-137

MAT 5537

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

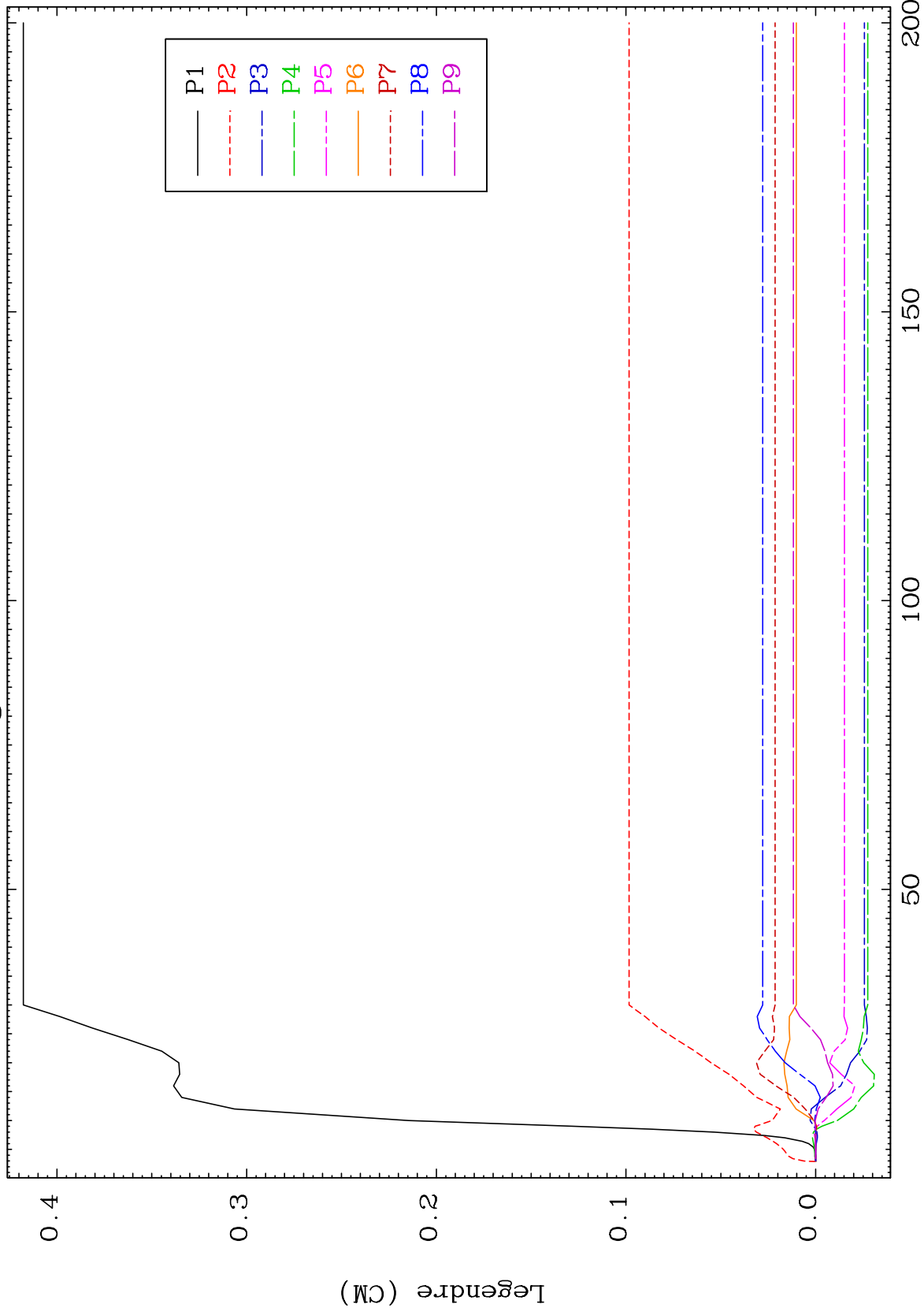
55-Cs-137



MAT 5537

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

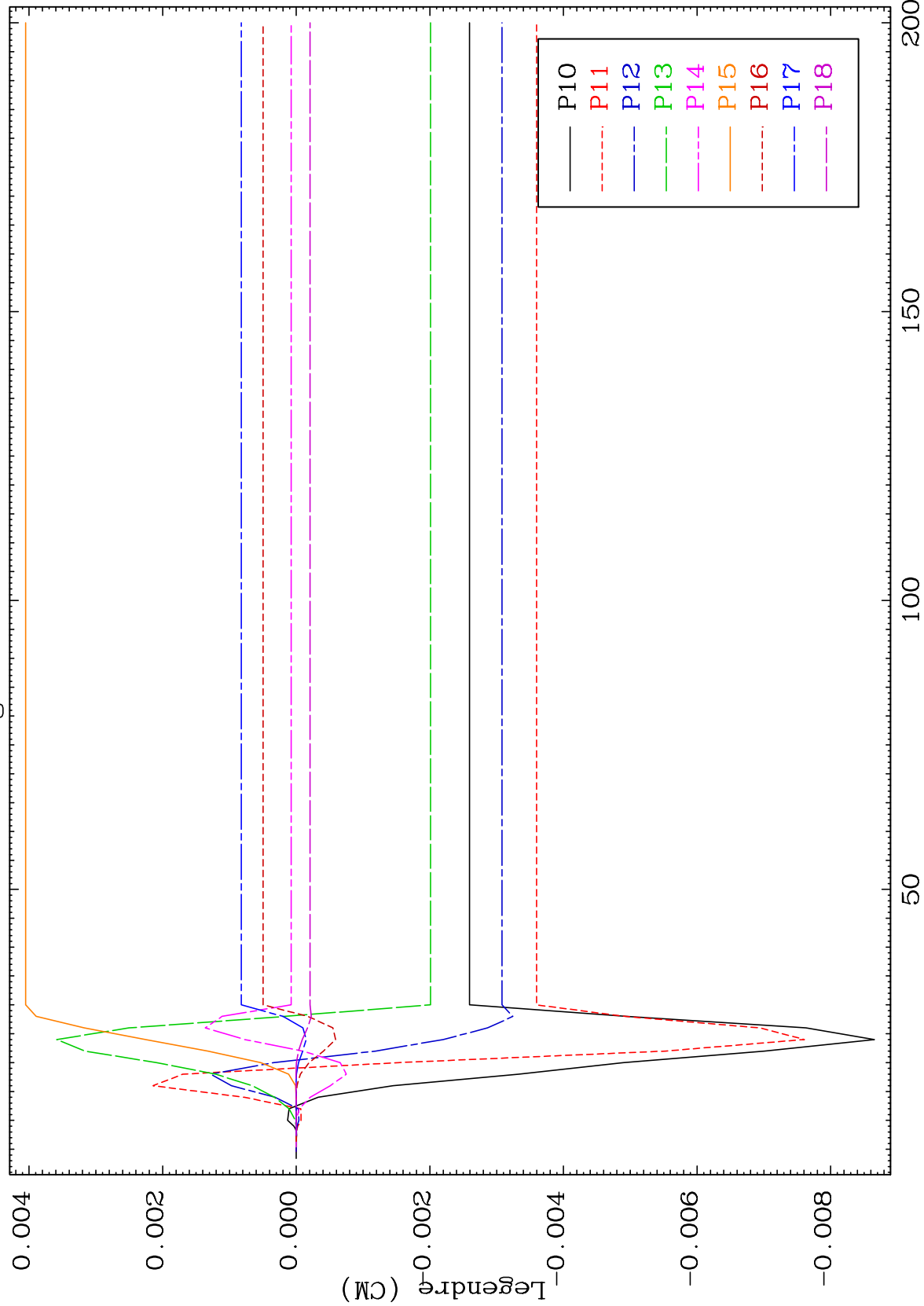
55-Cs-137

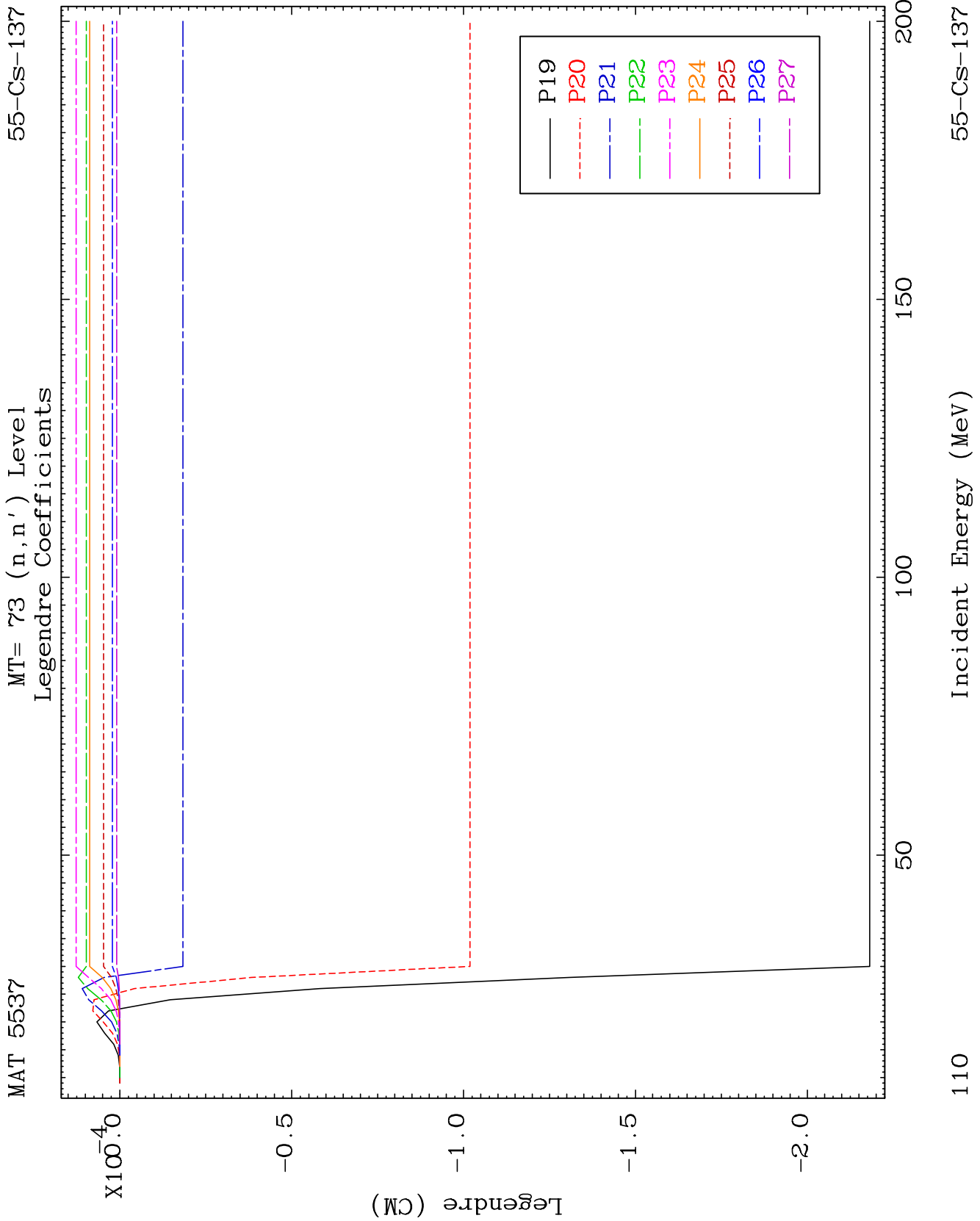


108

Incident Energy (MeV)

55-Cs-137

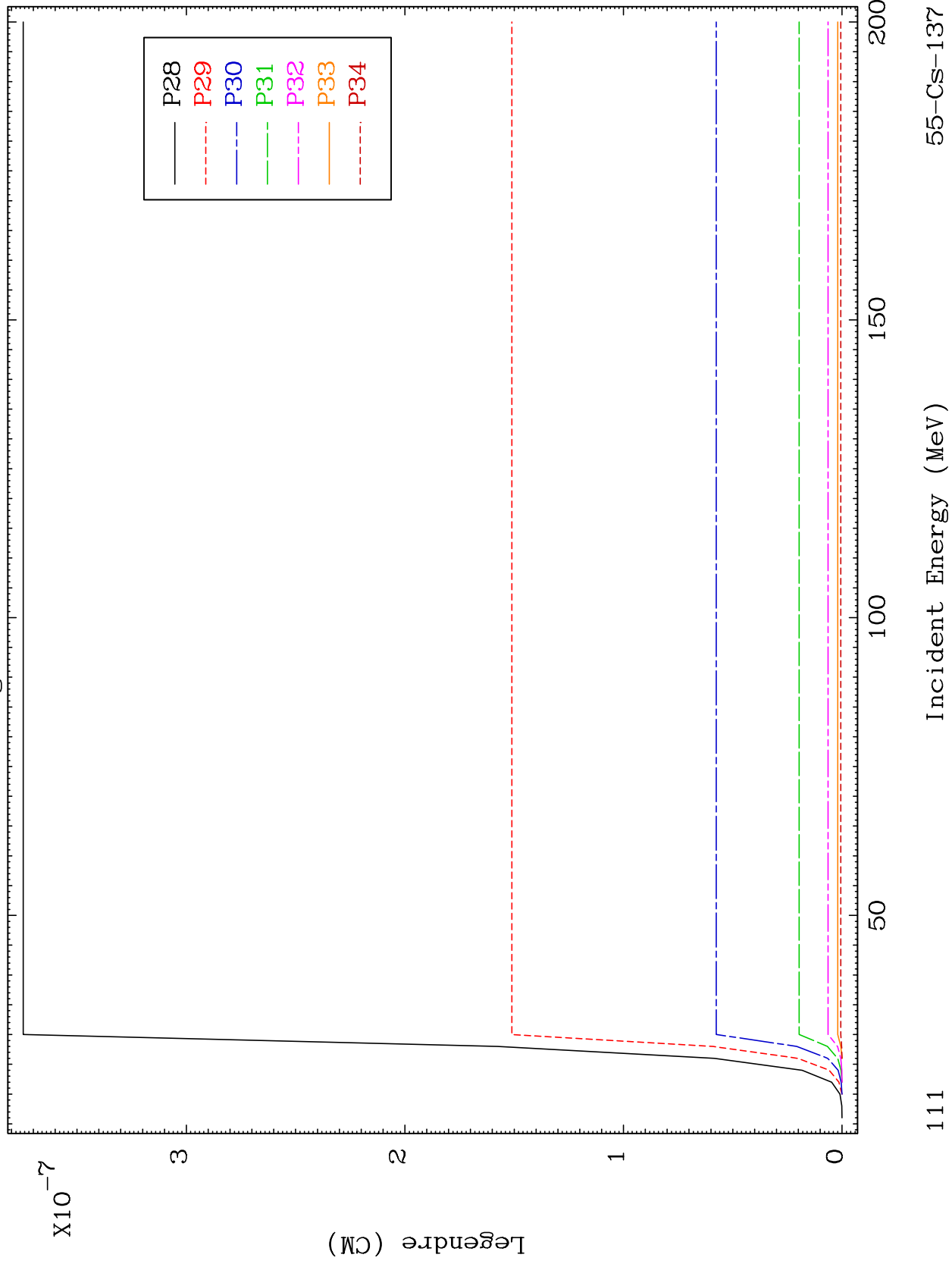




MAT 5537

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

55-Cs-137



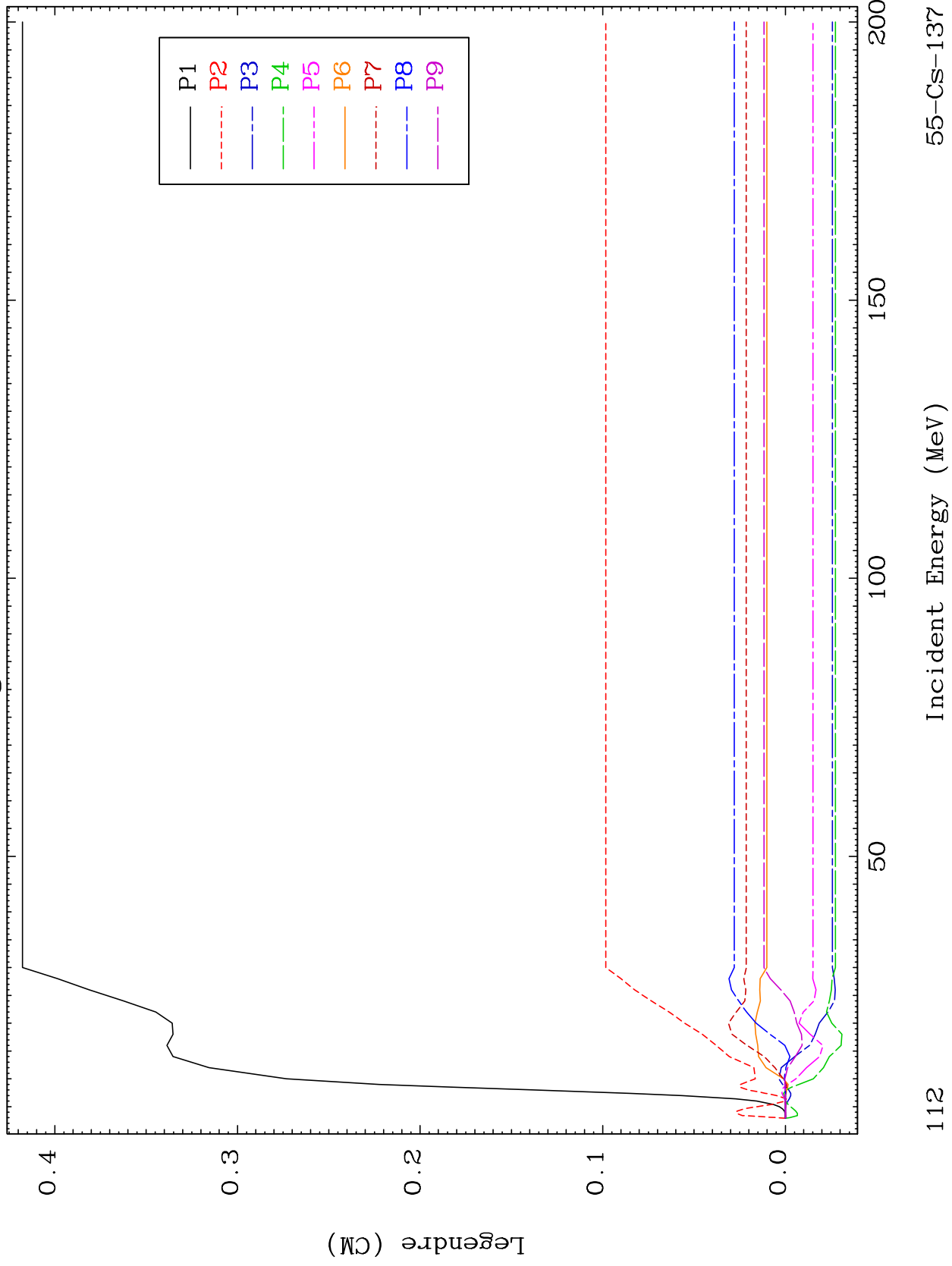
111



MAT 5537

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

55-Cs-137



112

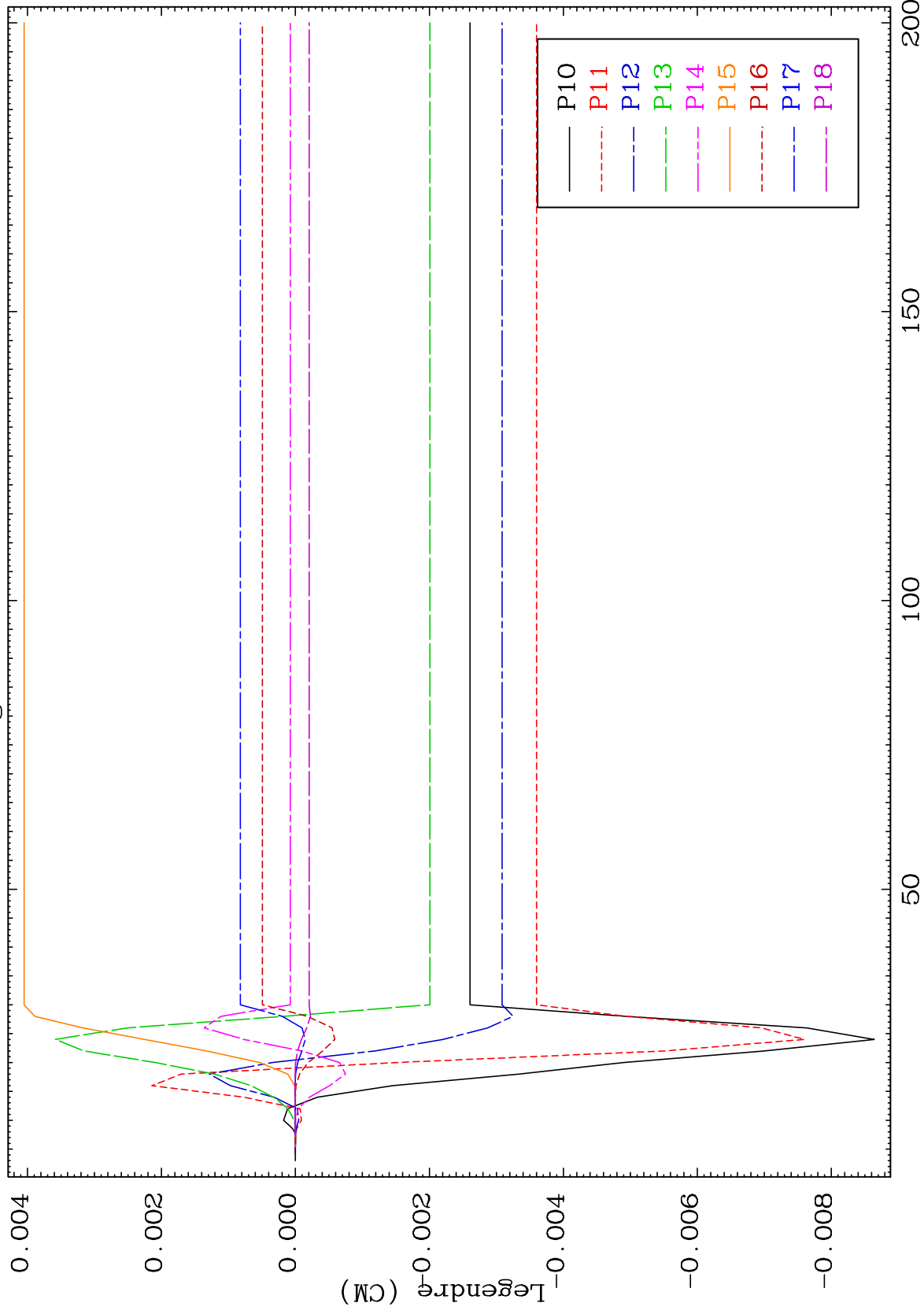
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



113

Incident Energy (MeV)

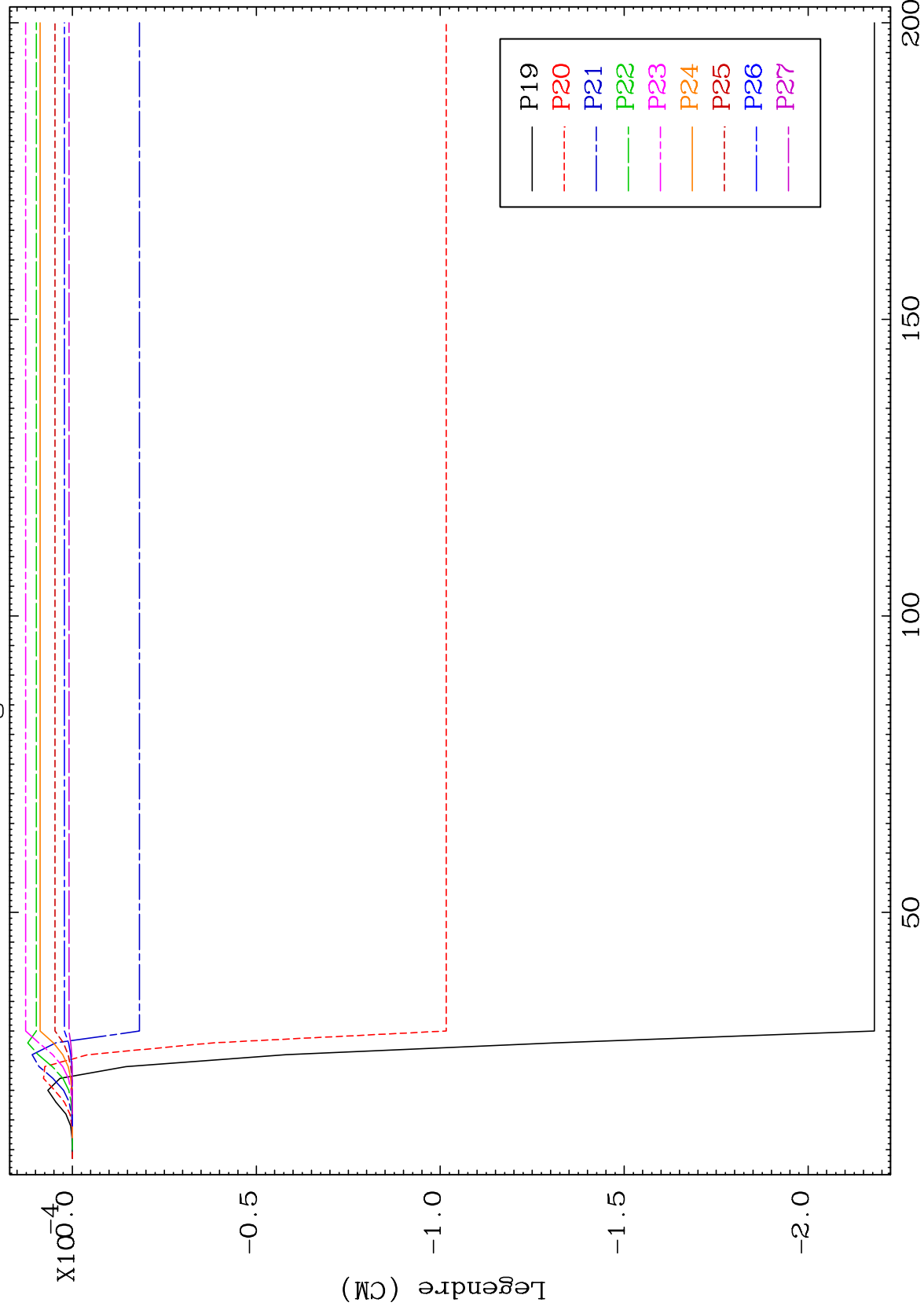
55-Cs-137

MAT 5537

MT= 74 (n,n') Level

55-Cs-137

Legendre Coefficients



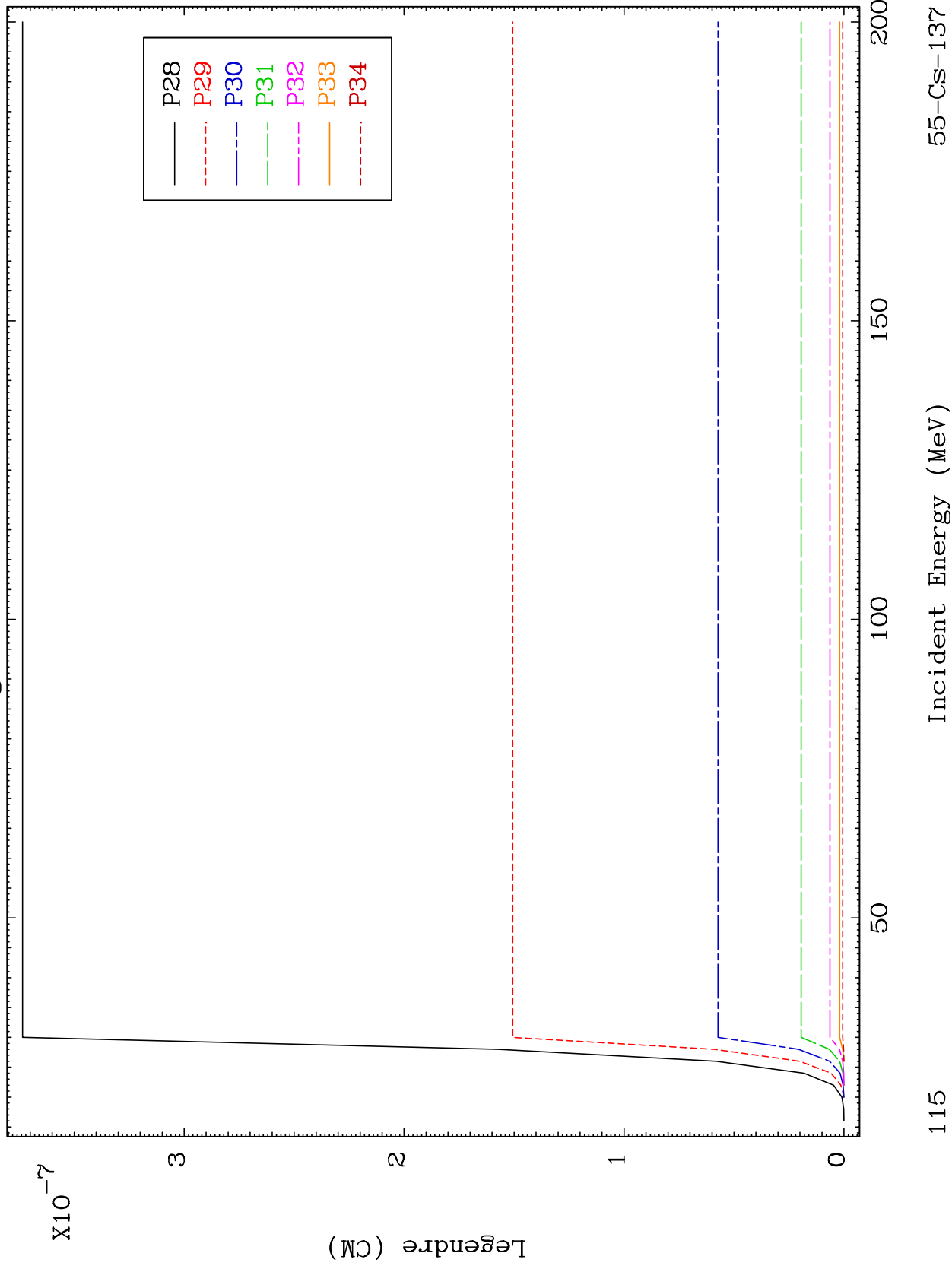
114

55-Cs-137

MAT 5537

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

55-Cs-137

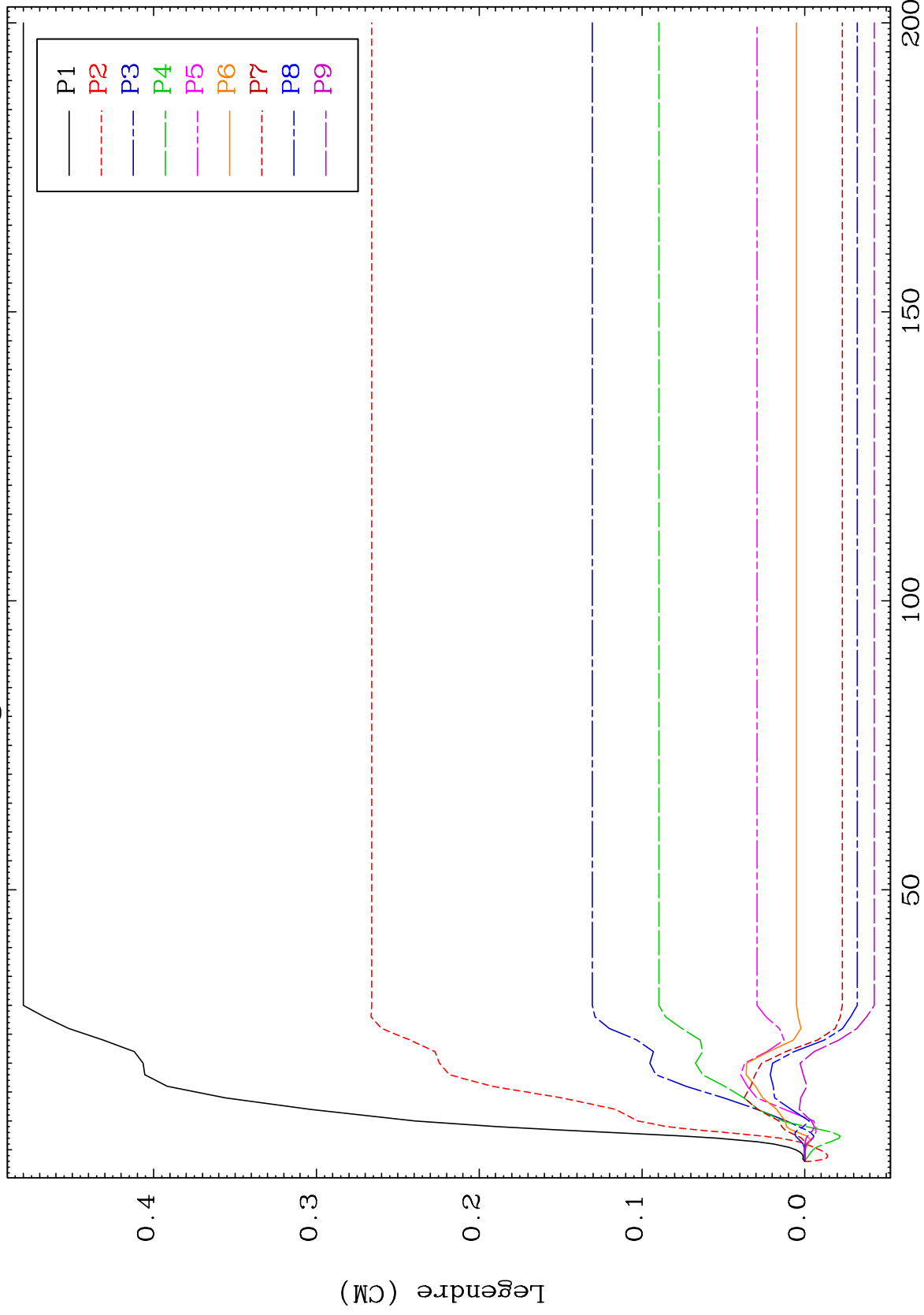


55-Cs-137

MAT 5537

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

55-Cs-137



116

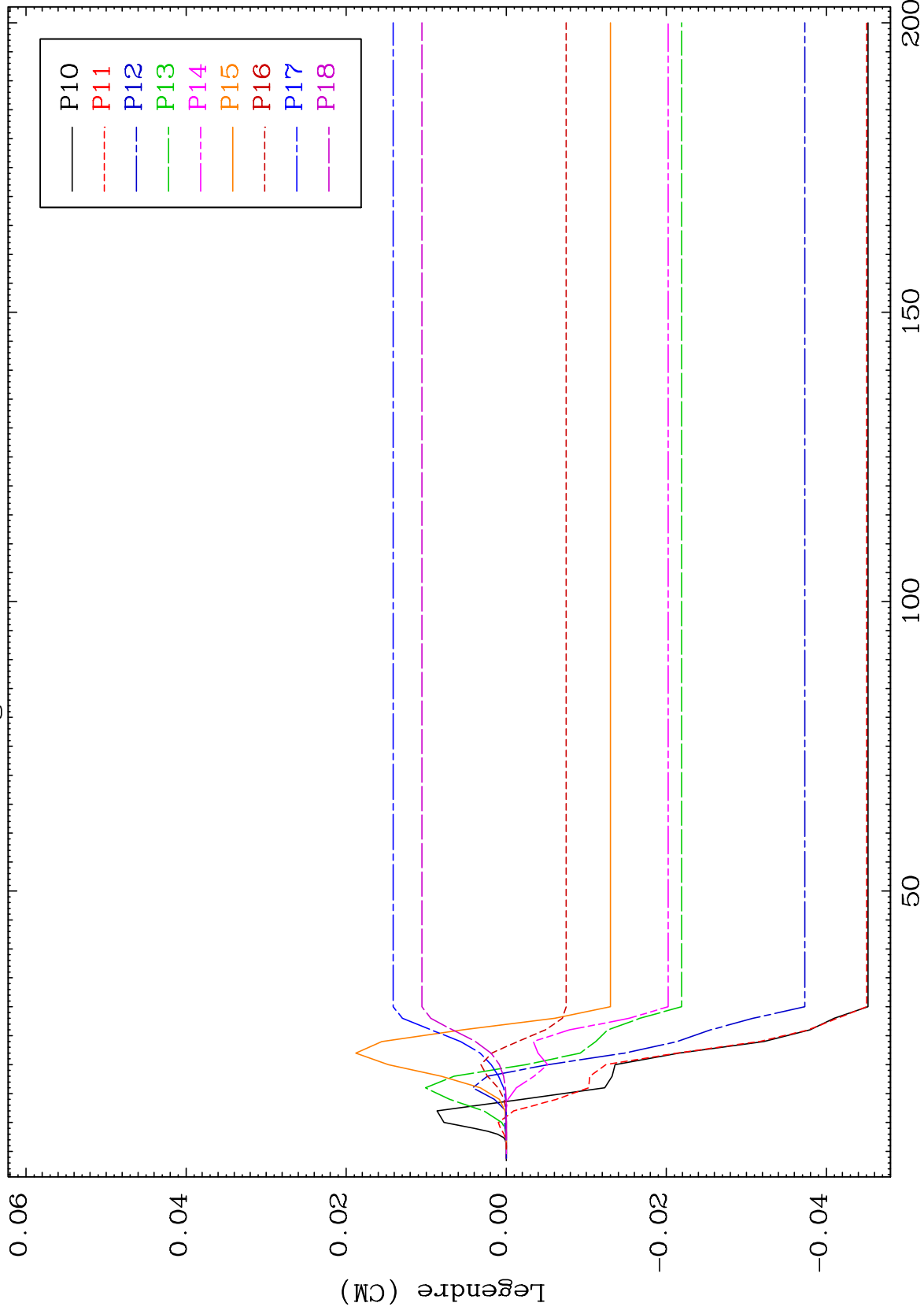
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

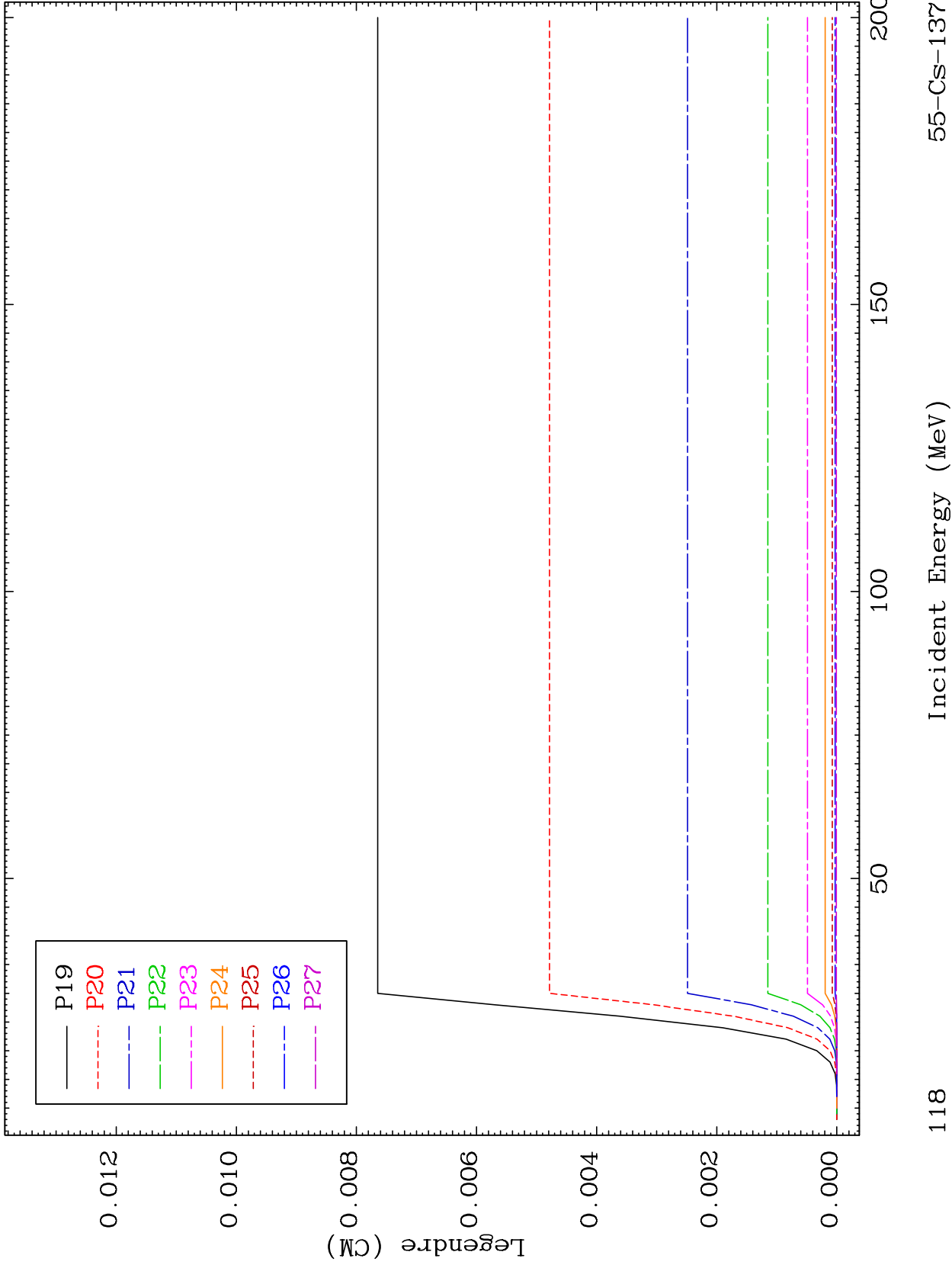
55-Cs-137



117

Incident Energy (MeV)

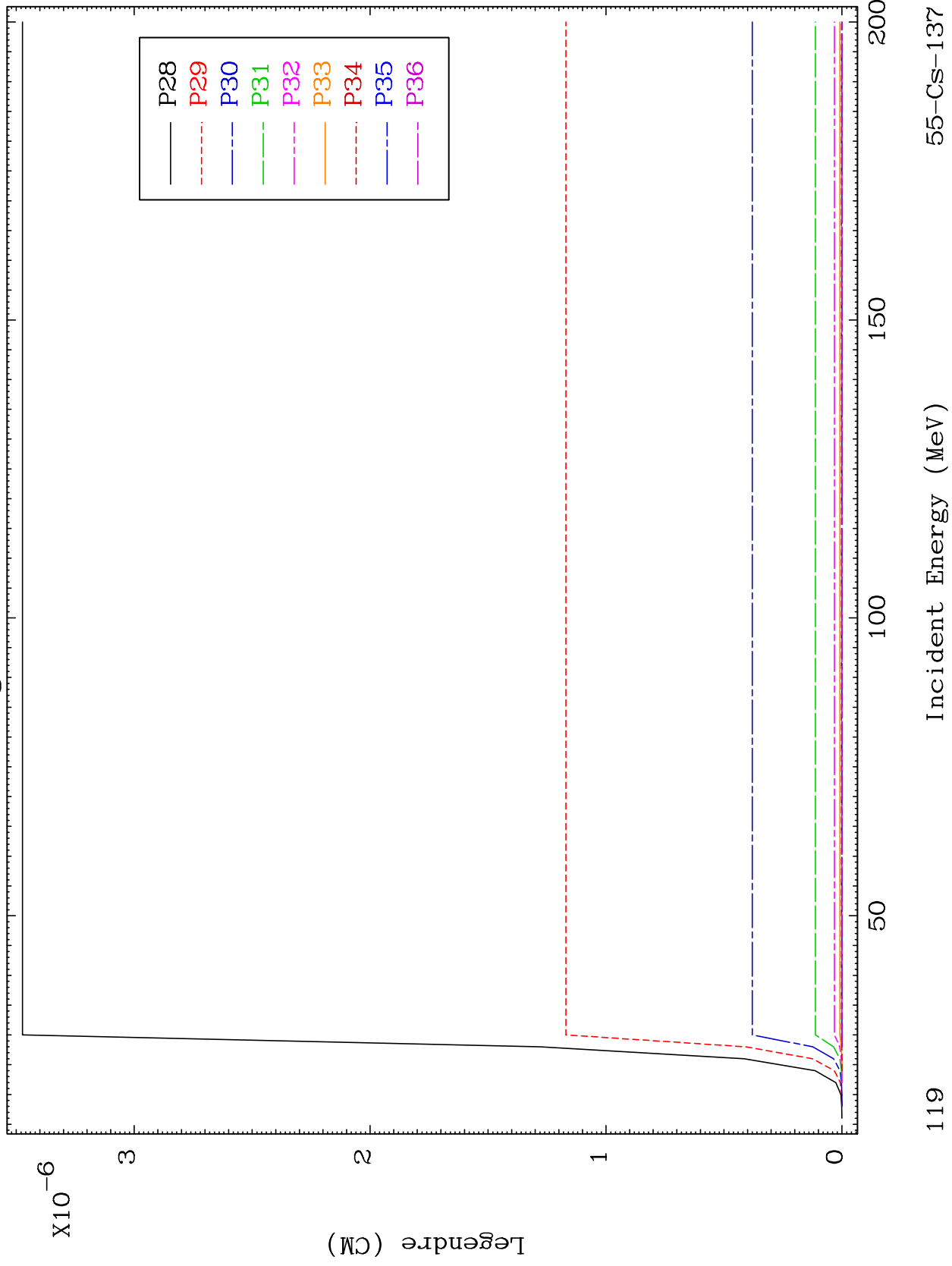
55-Cs-137



MAT 5537

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

55-Cs-137



119

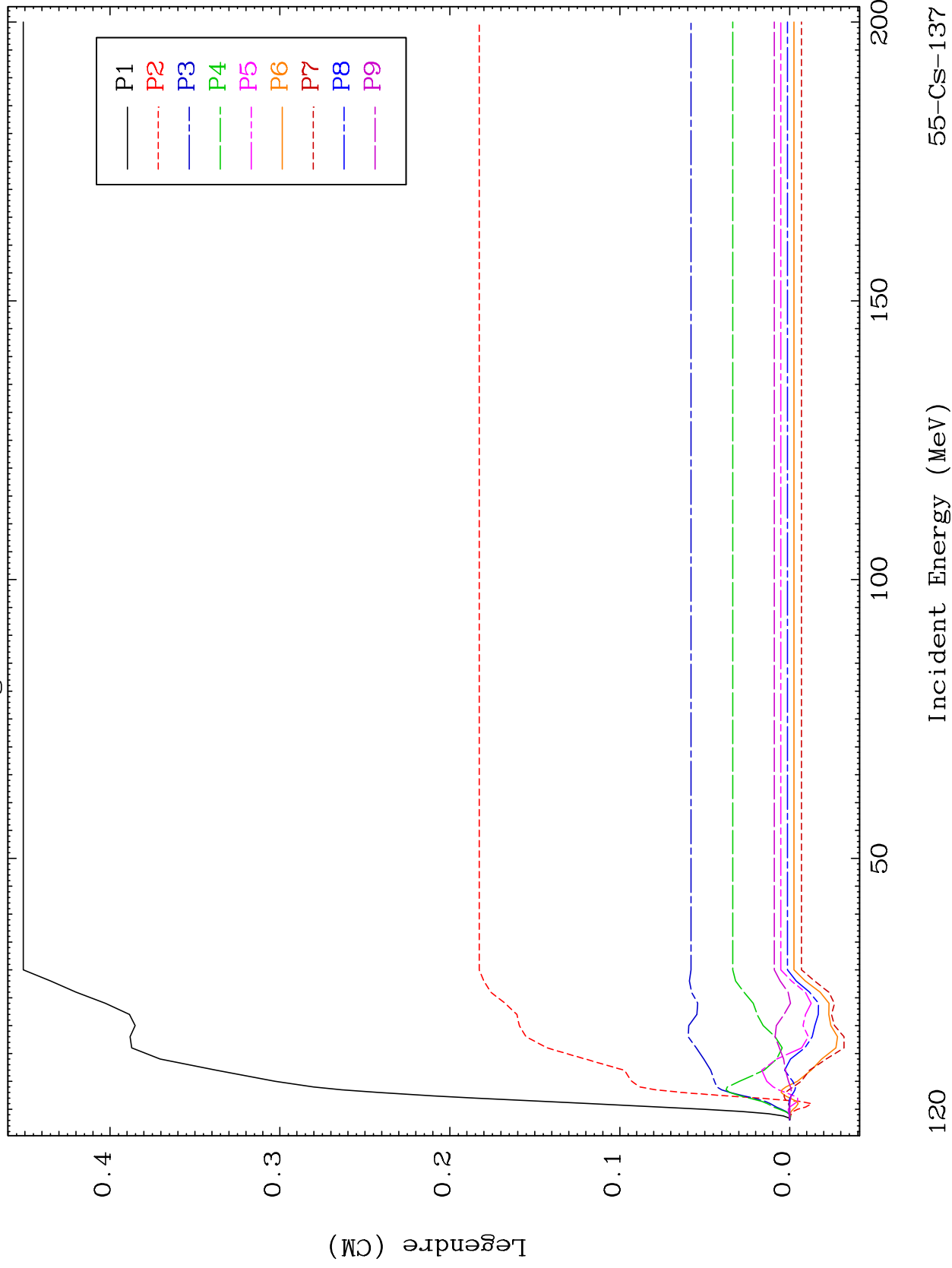
55-Cs-137



MAT 5537

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

55-Cs-137

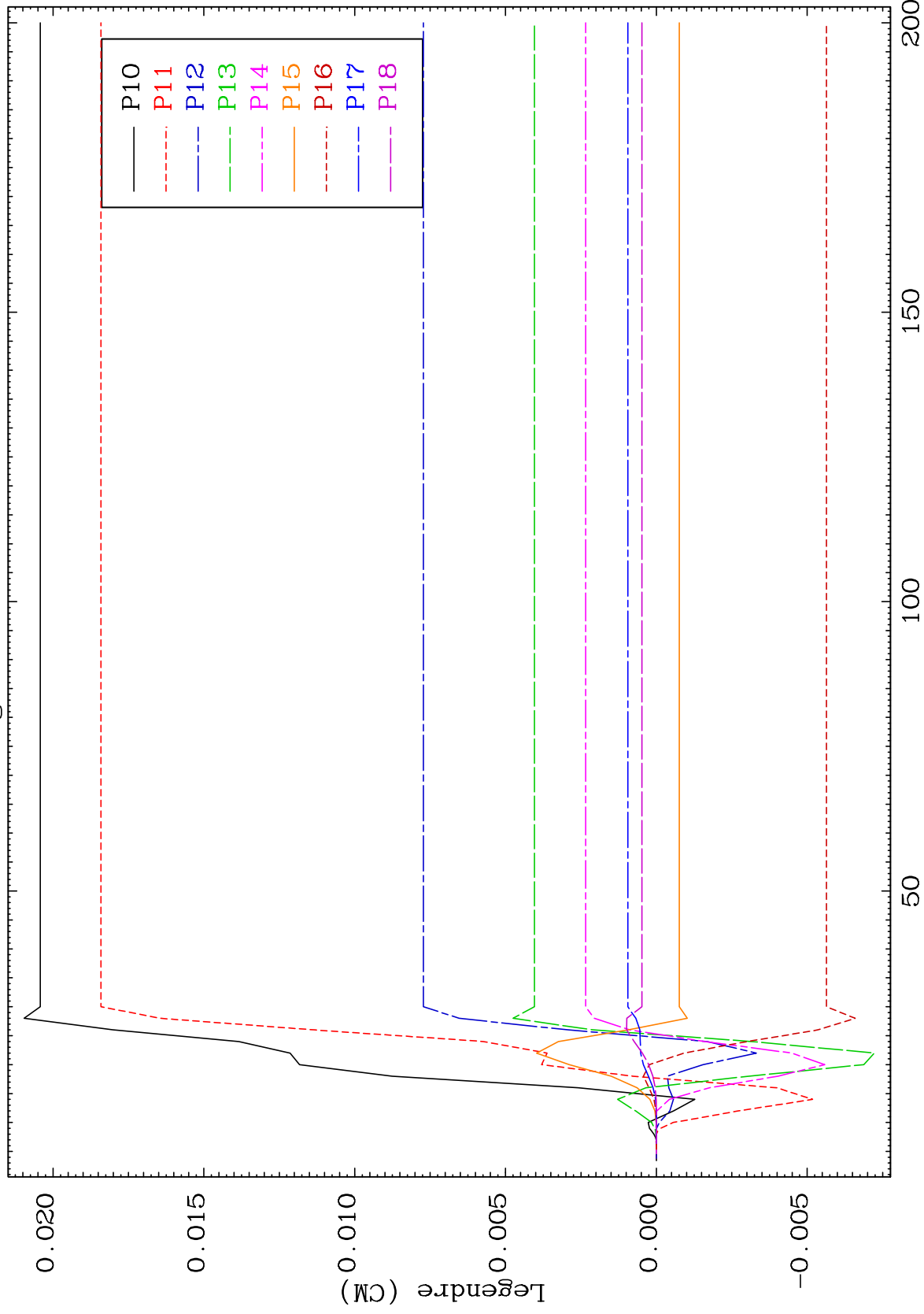


55-Cs-137

MAT 5537

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

55-Cs-137



121

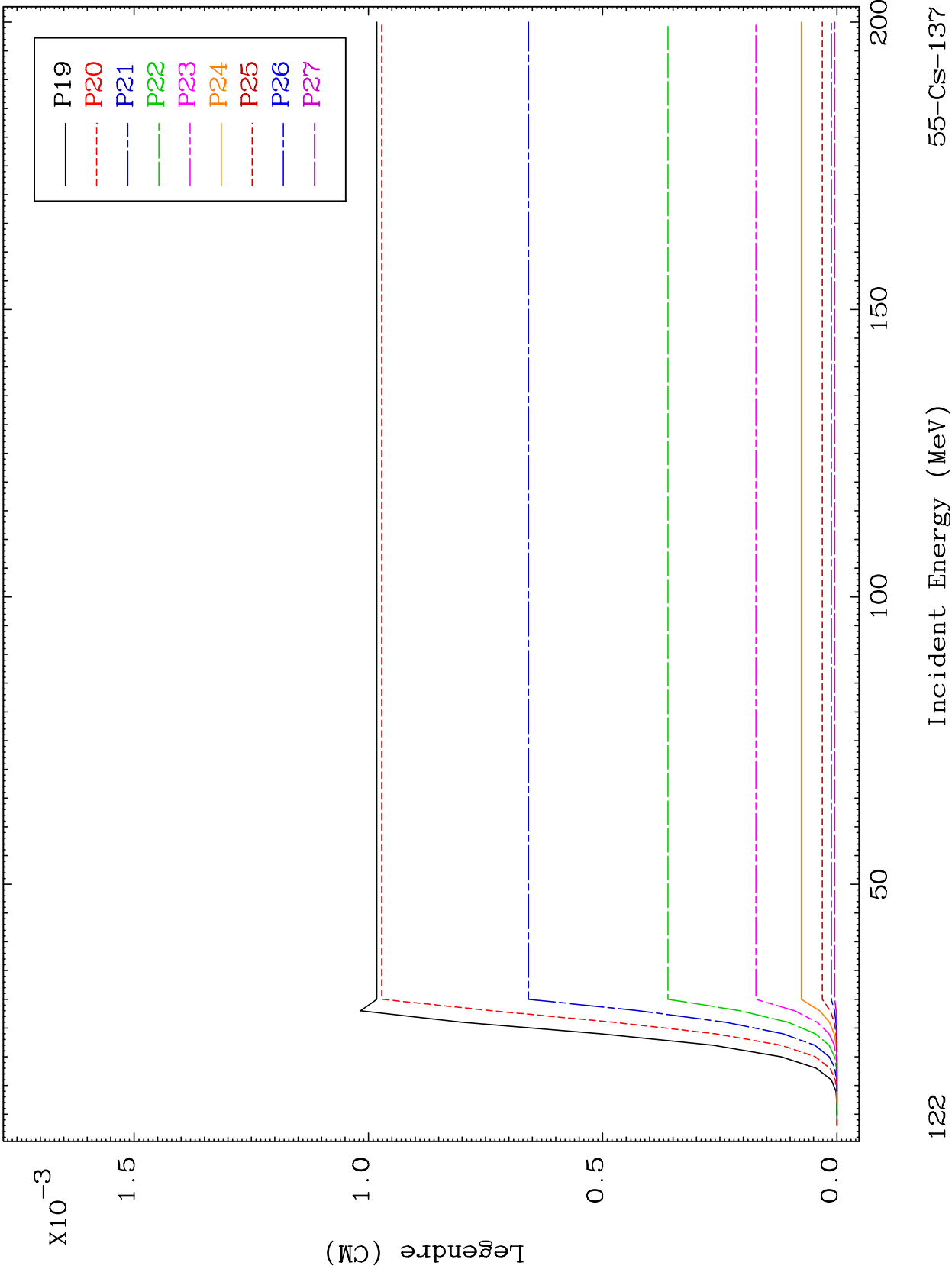
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



122

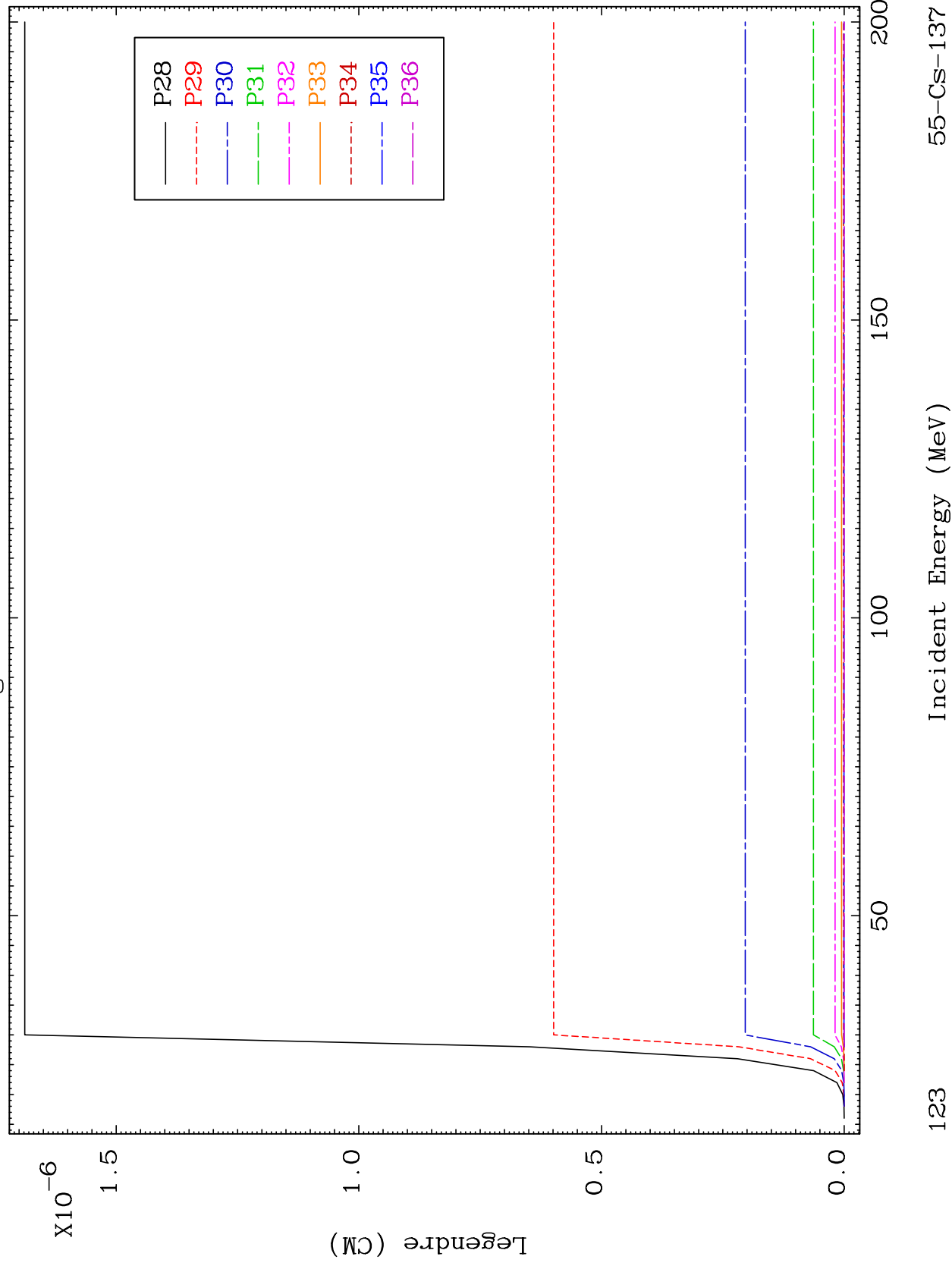
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



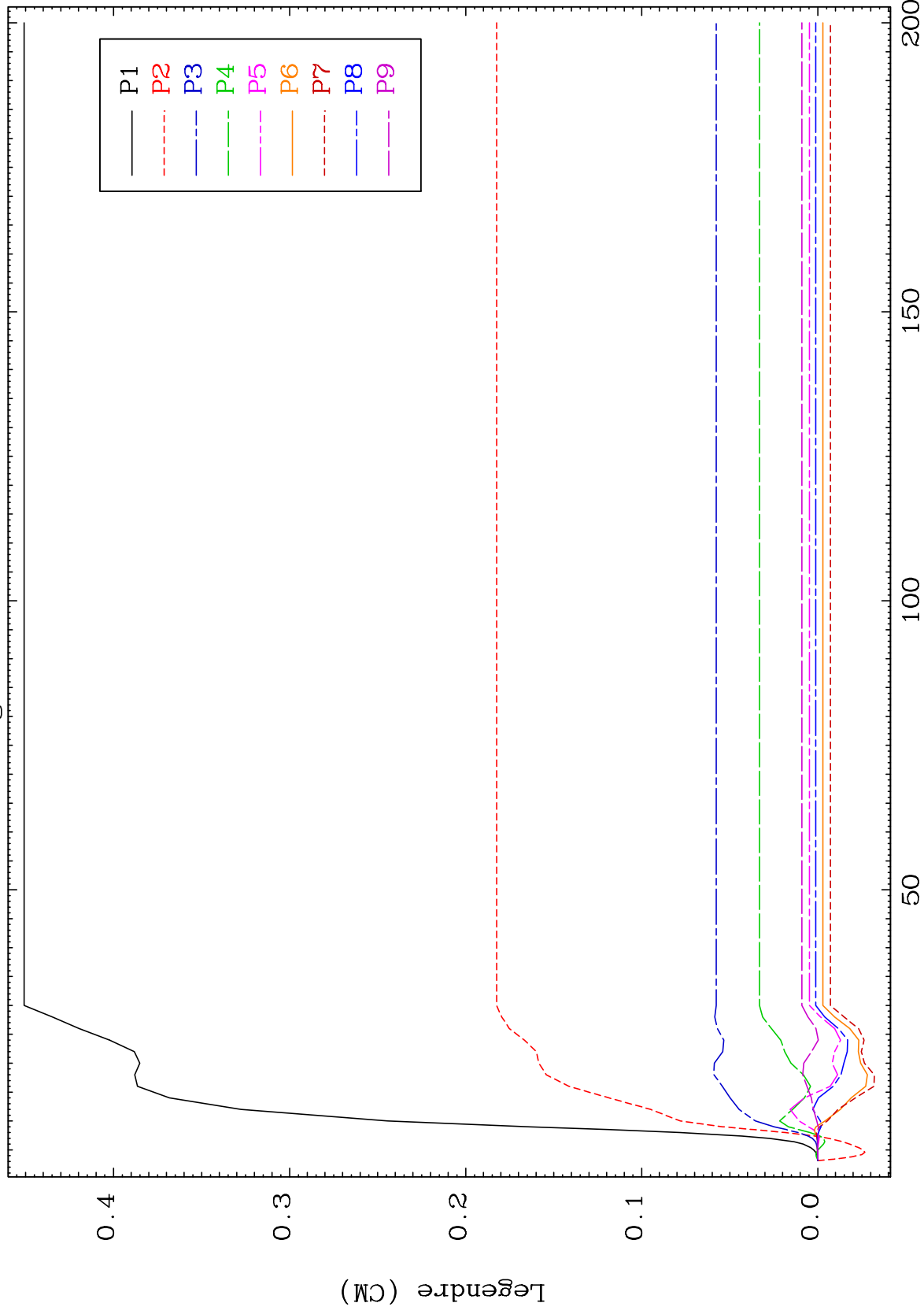
123

55-Cs-137

MAT 5537

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

55-Cs-137



124

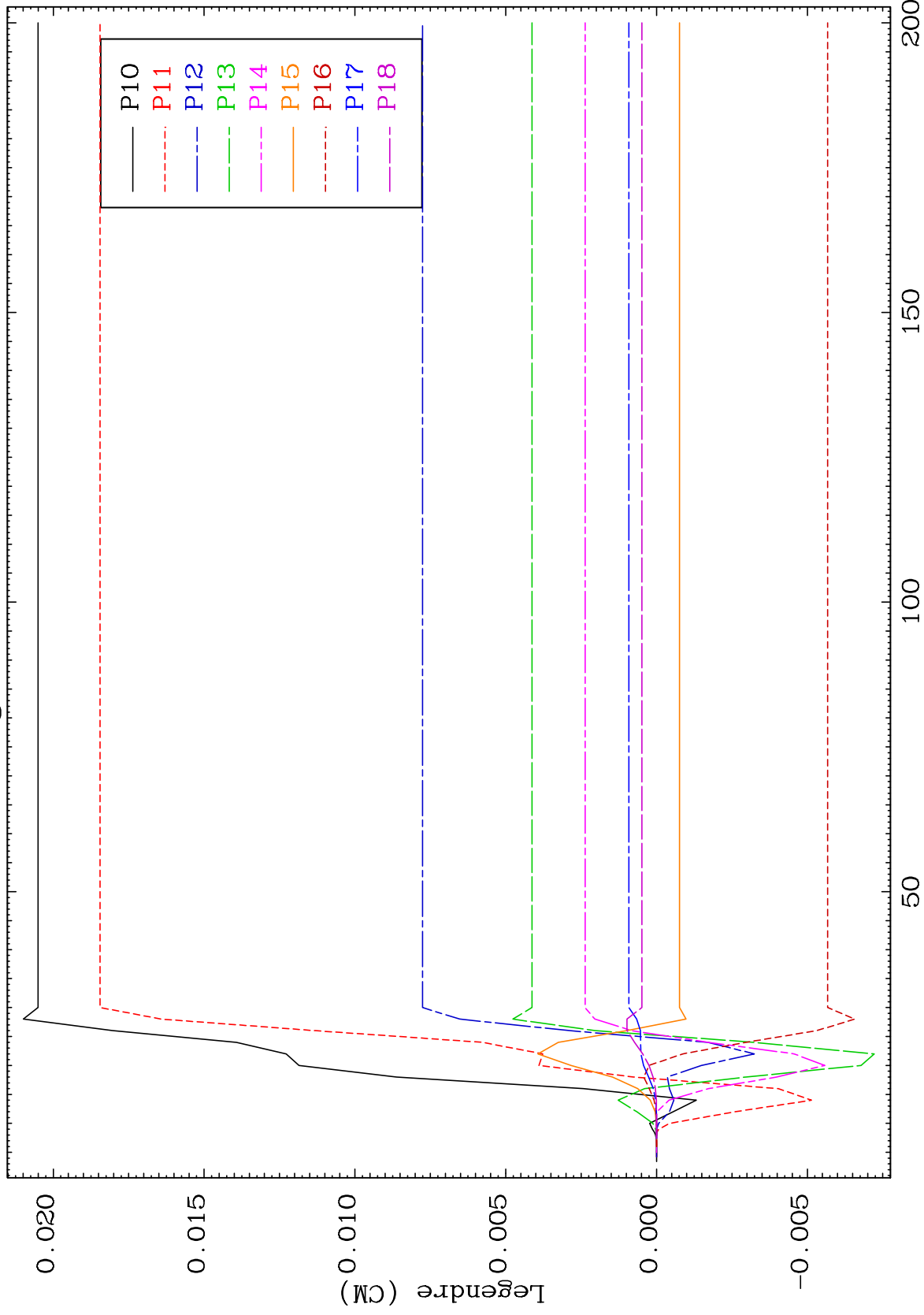
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



125

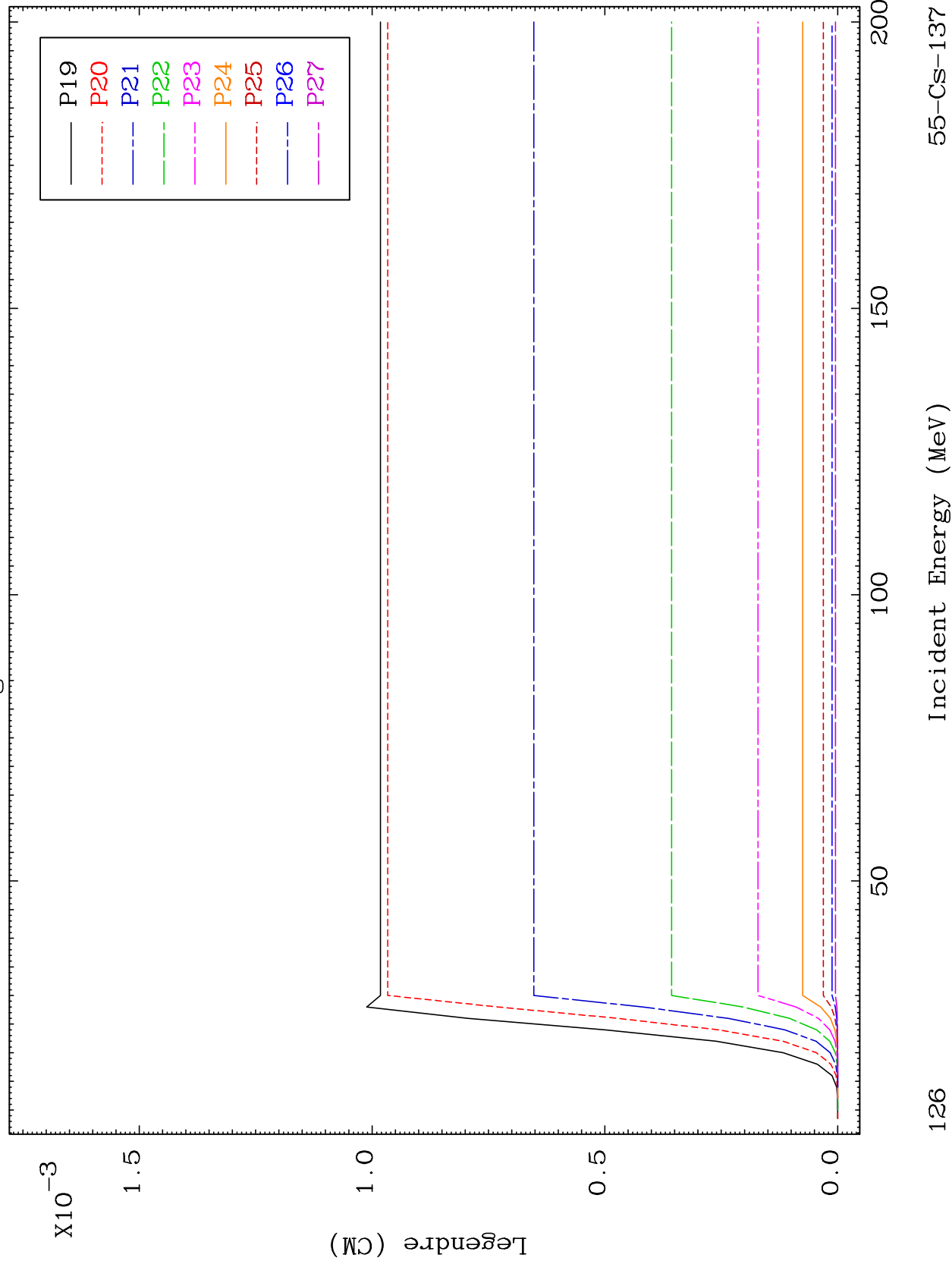
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



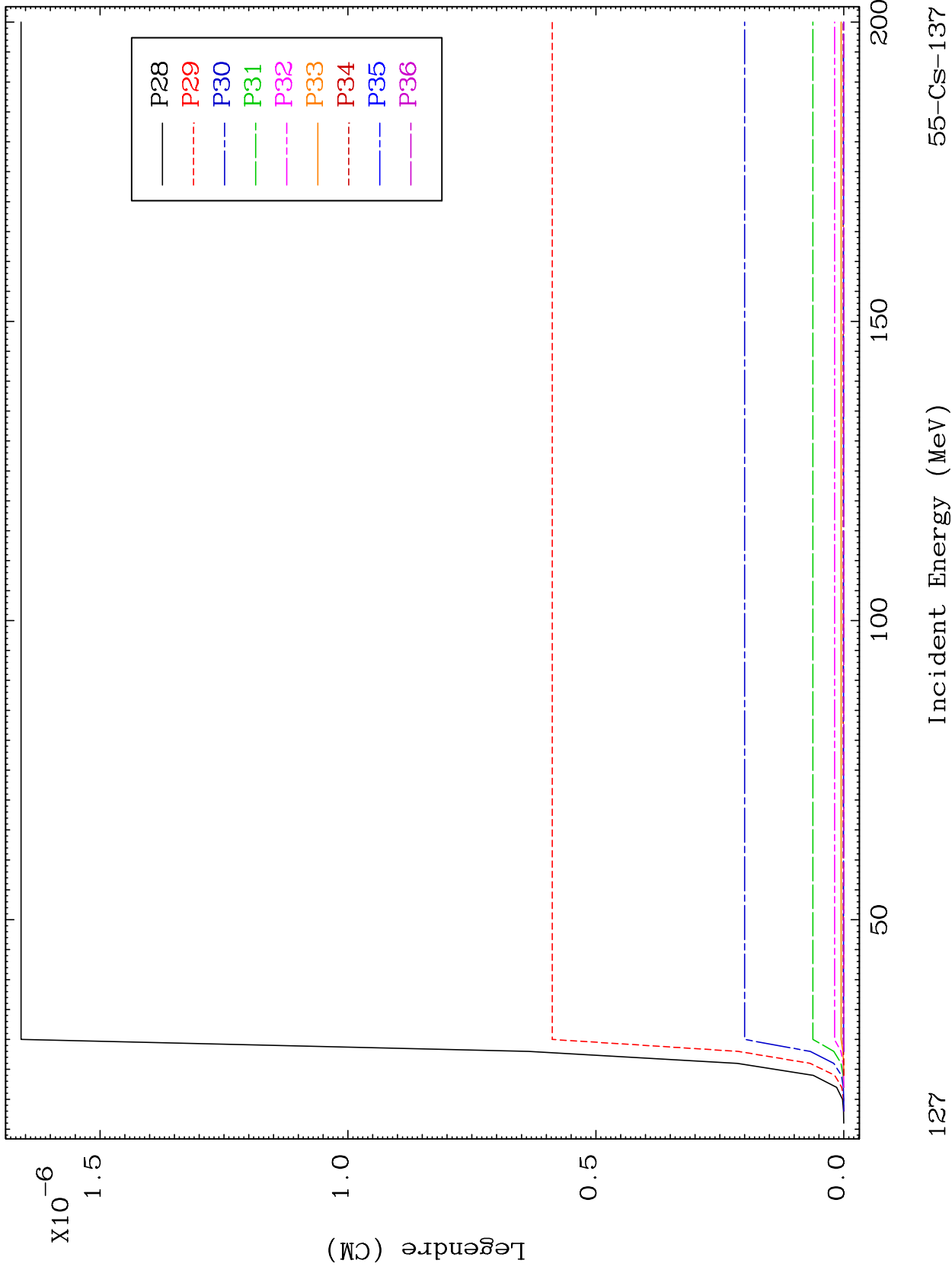
126

55-Cs-137

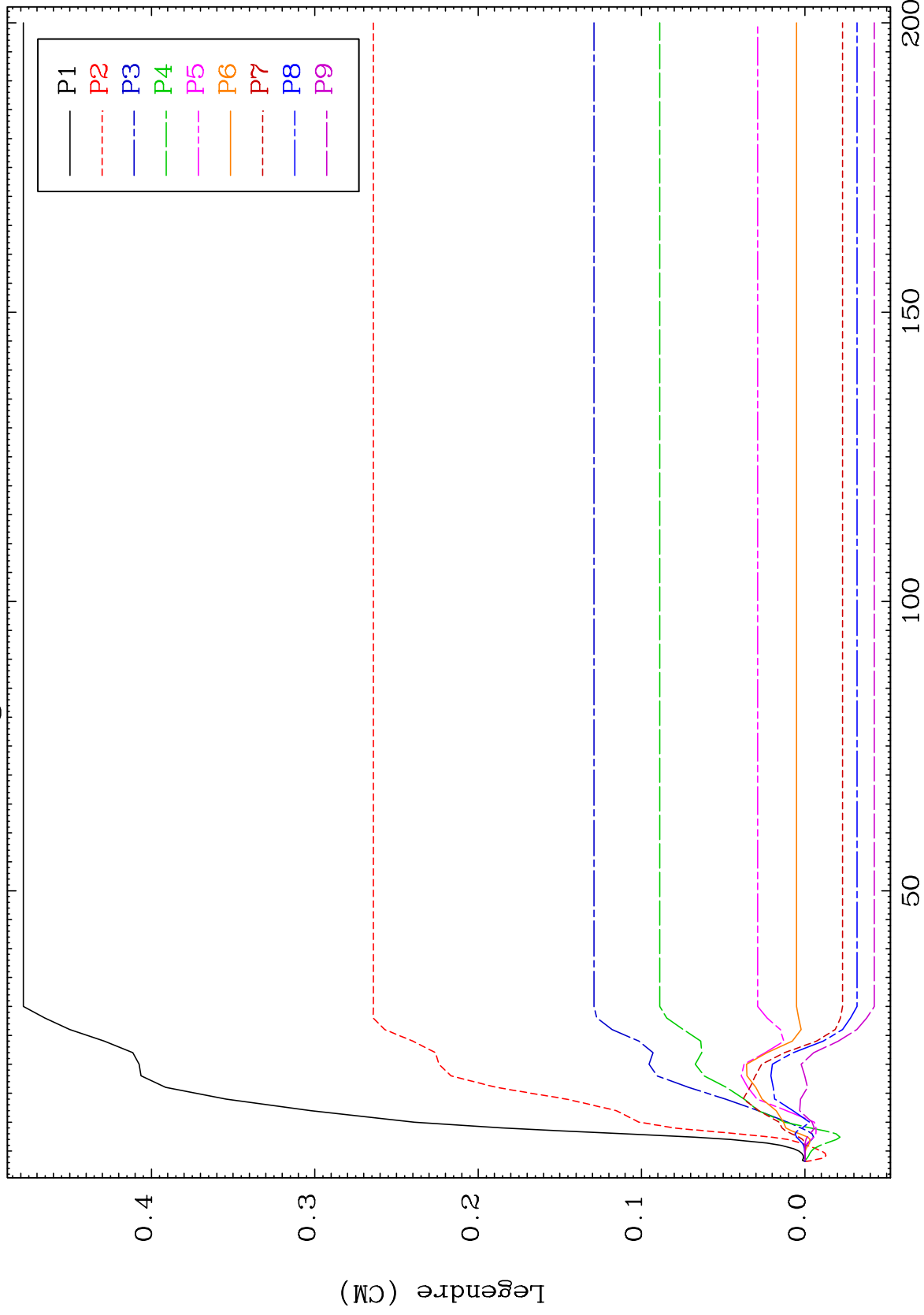
MAT 5537

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

55-Cs-137



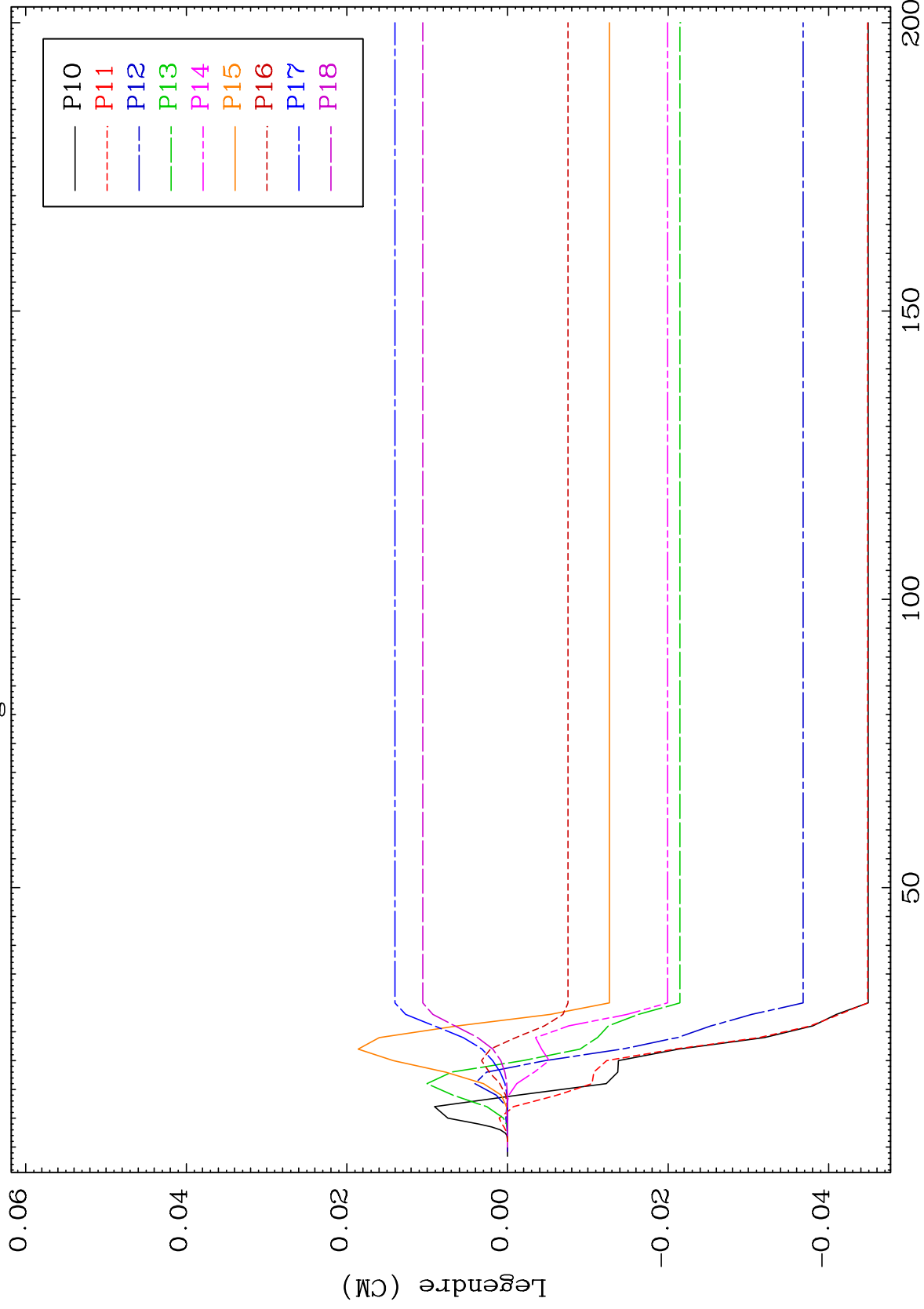




MAT 5537

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

55-Cs-137



129

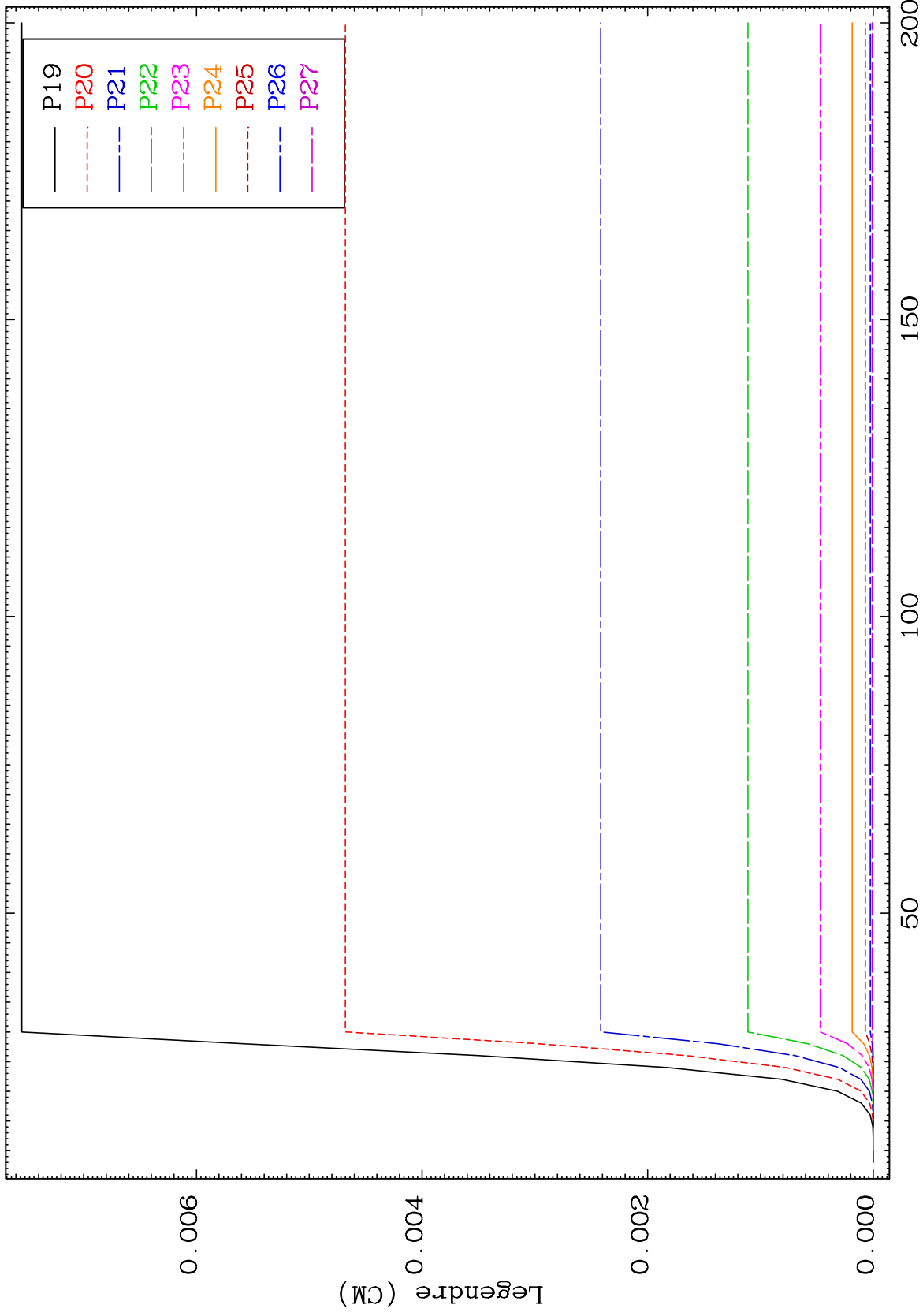
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



130

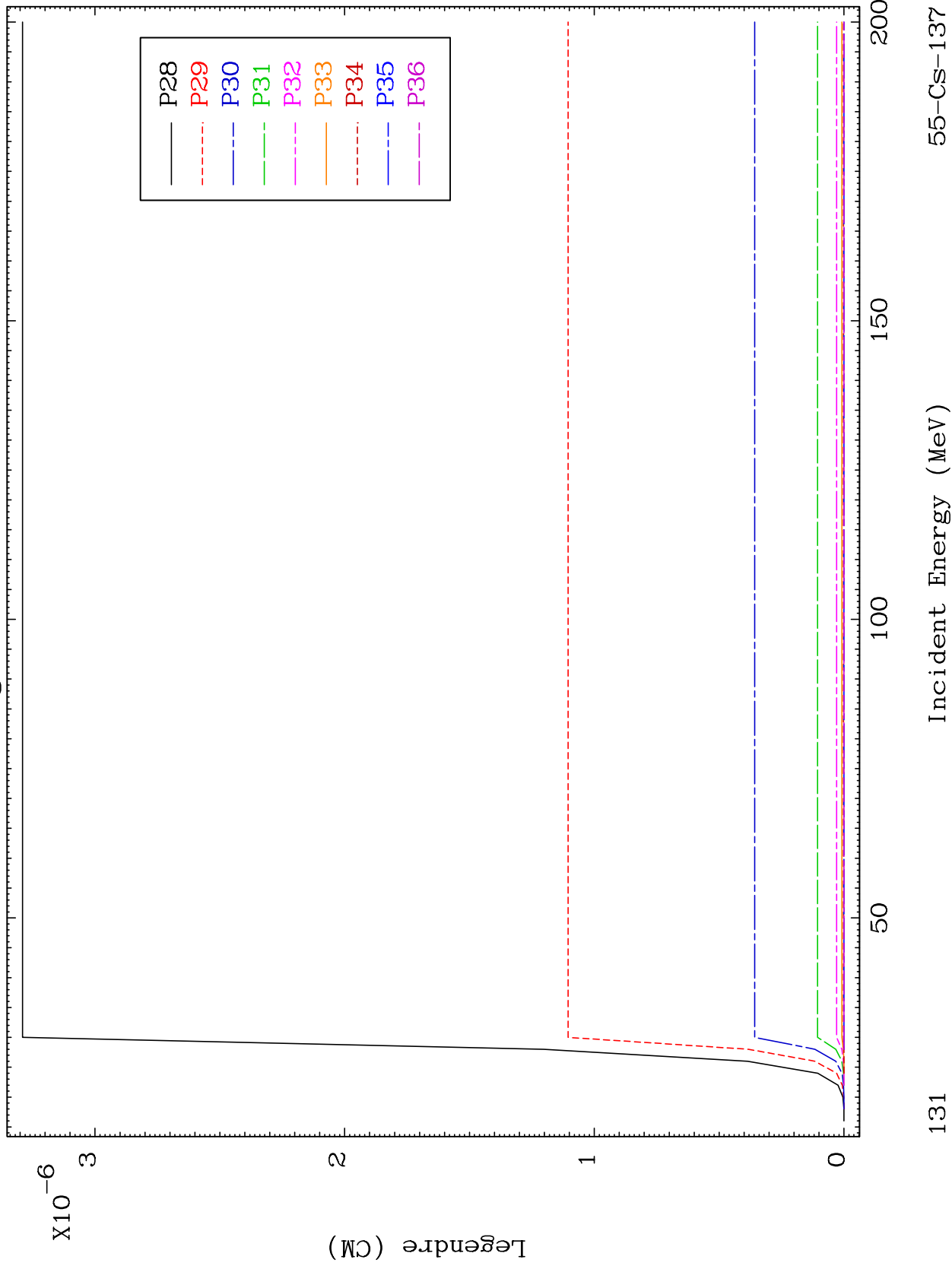
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



131

Incident Energy (MeV)

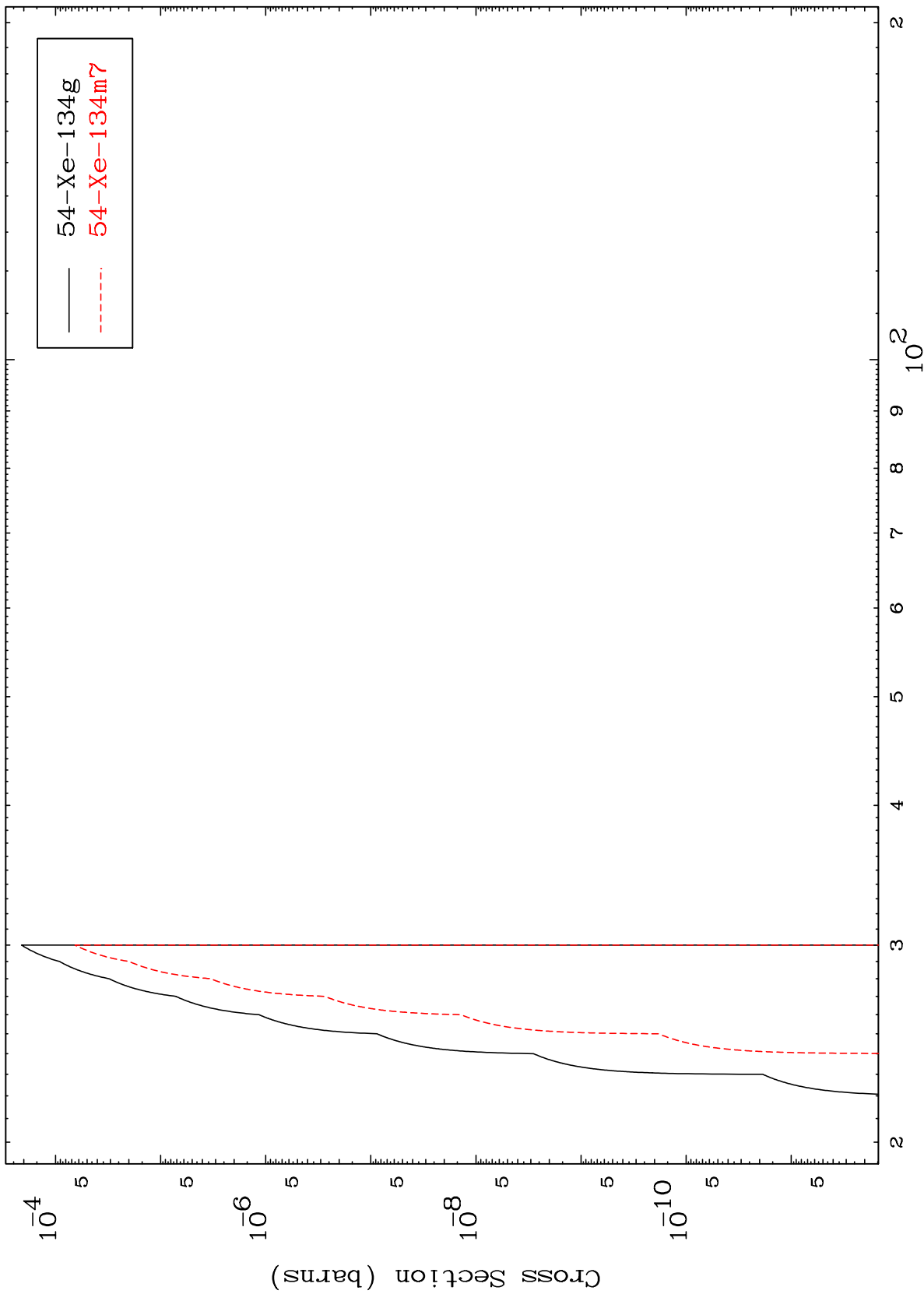
55-Cs-137

MAT 5537

(n,2n) d

55-Cs-137

Radionuclide Production Cross Section



132

Incident Energy (MeV)

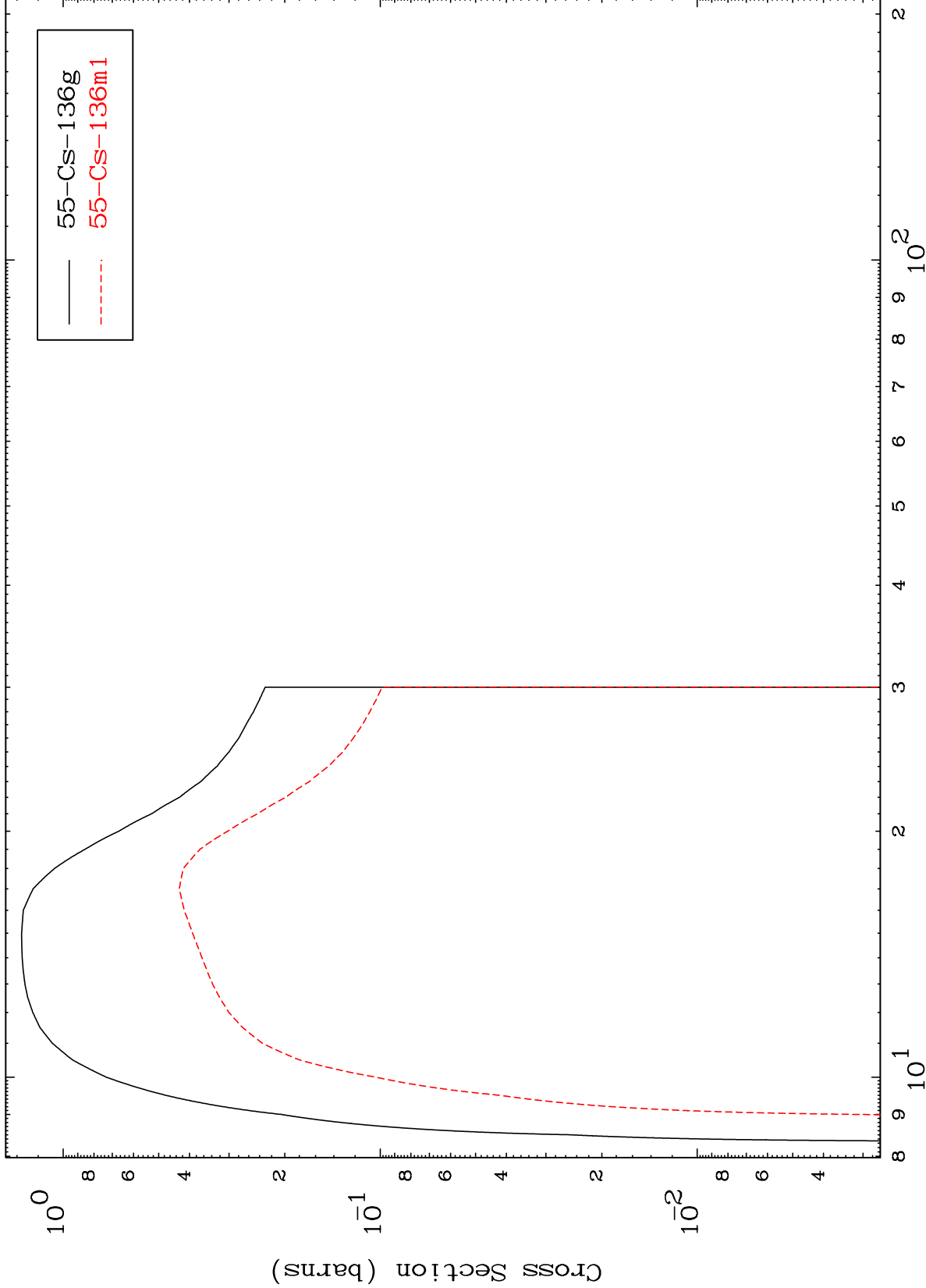
55-Cs-137

MAT 5537

(n,2n)

55-Cs-137

Radionuclide Production Cross Section



55-Cs-136g  
55-Cs-136m1

133

Incident Energy (MeV)

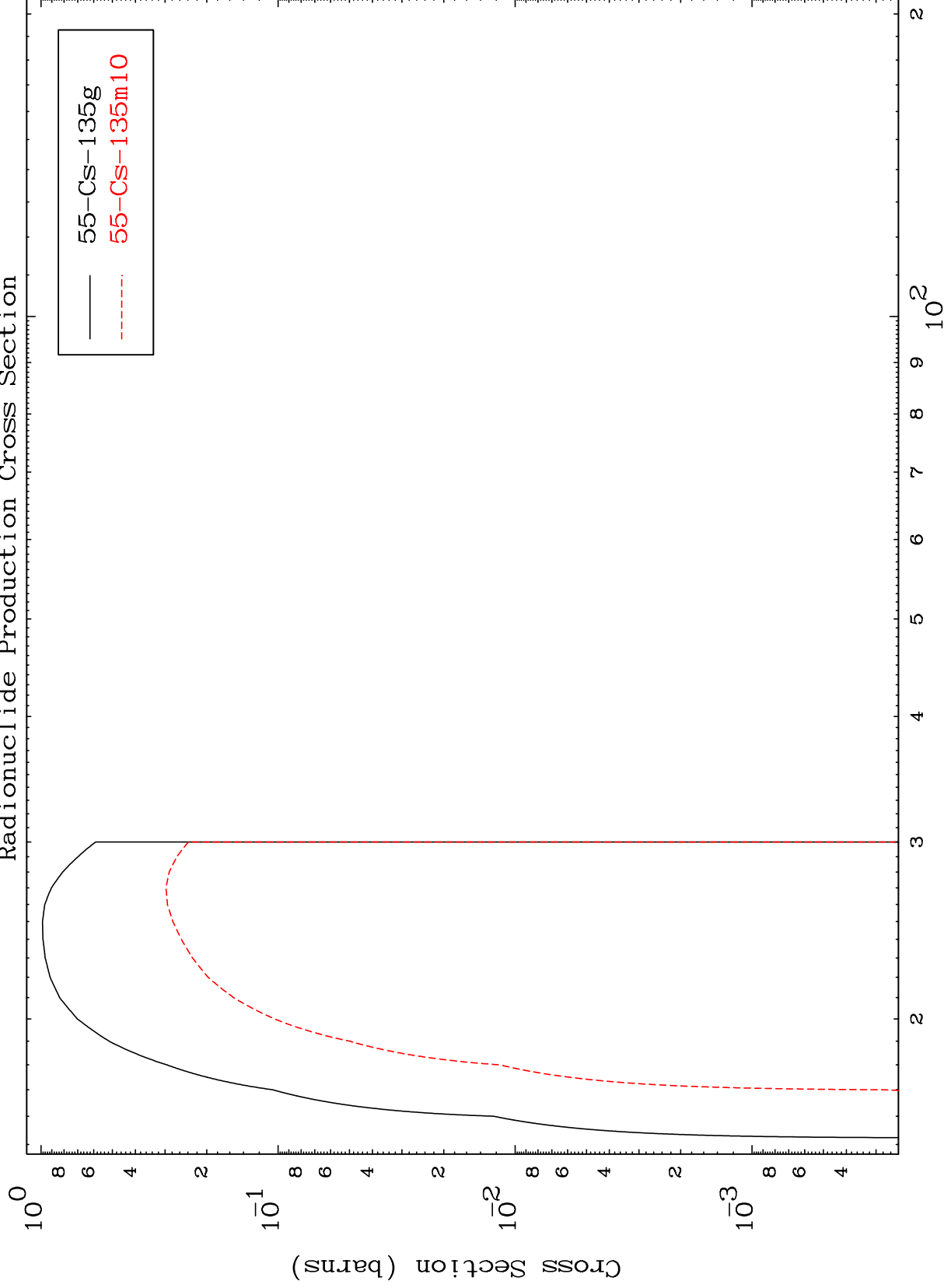
55-Cs-137

MAT 5537

(n,3n)

55-Cs-137

Radionuclide Production Cross Section



134

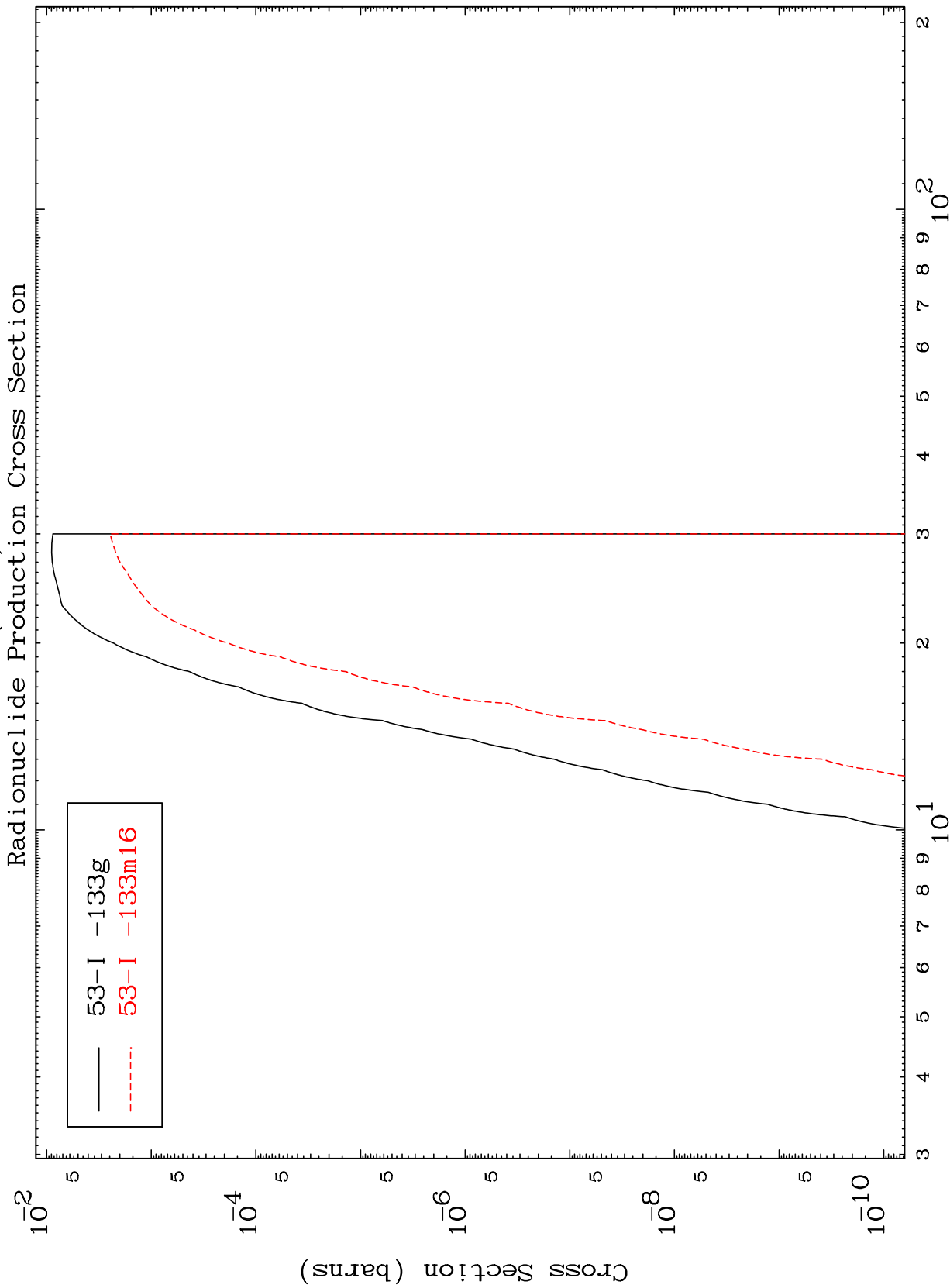
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,n')  $\alpha$

55-Cs-137



53-I-133g  
53-I-133m16

135

Incident Energy (MeV)

55-Cs-137

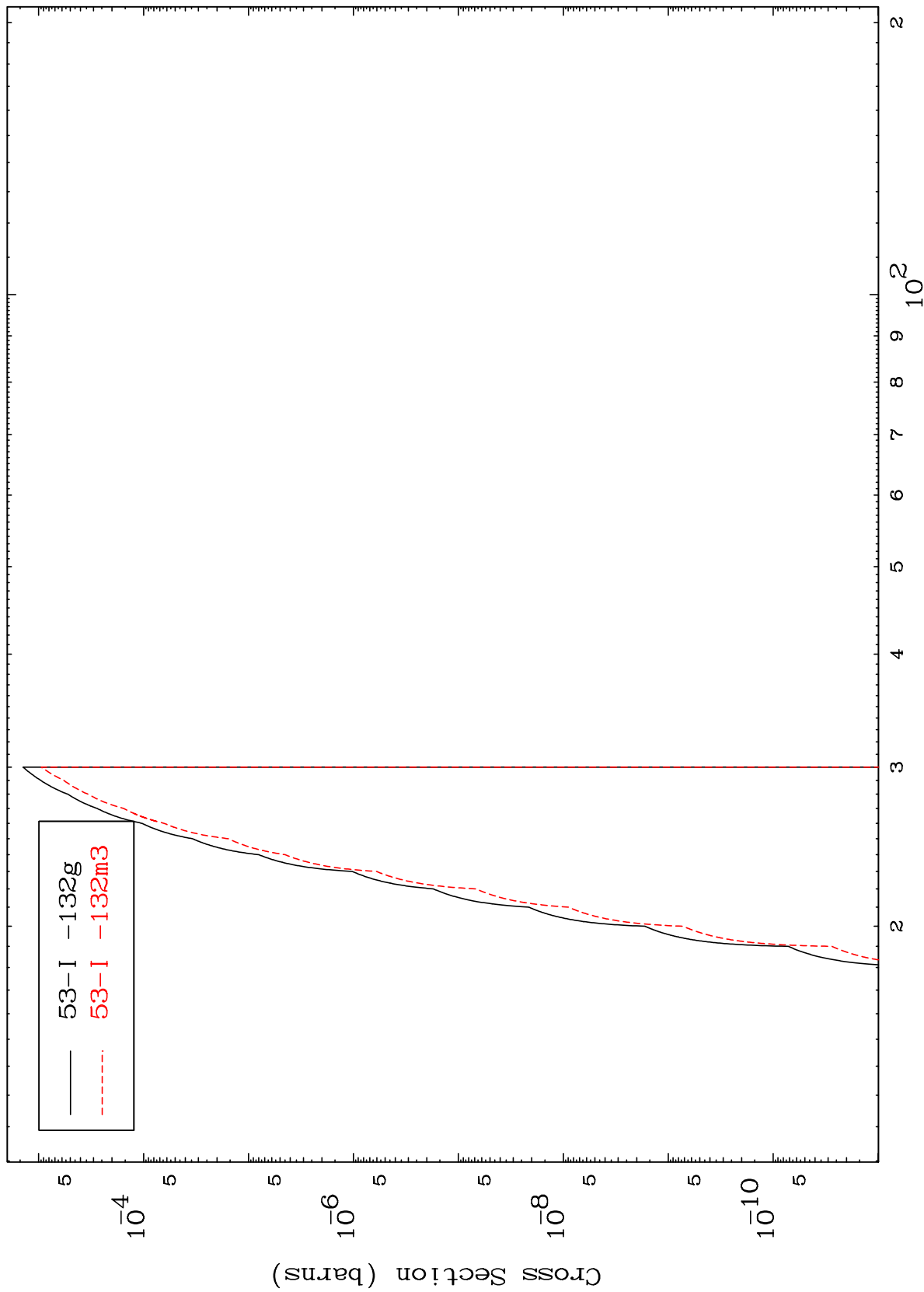


MAT 5537

55-Cs-137

(n,2n)  $\alpha$

Radionuclide Production Cross Section



136

Incident Energy (MeV)

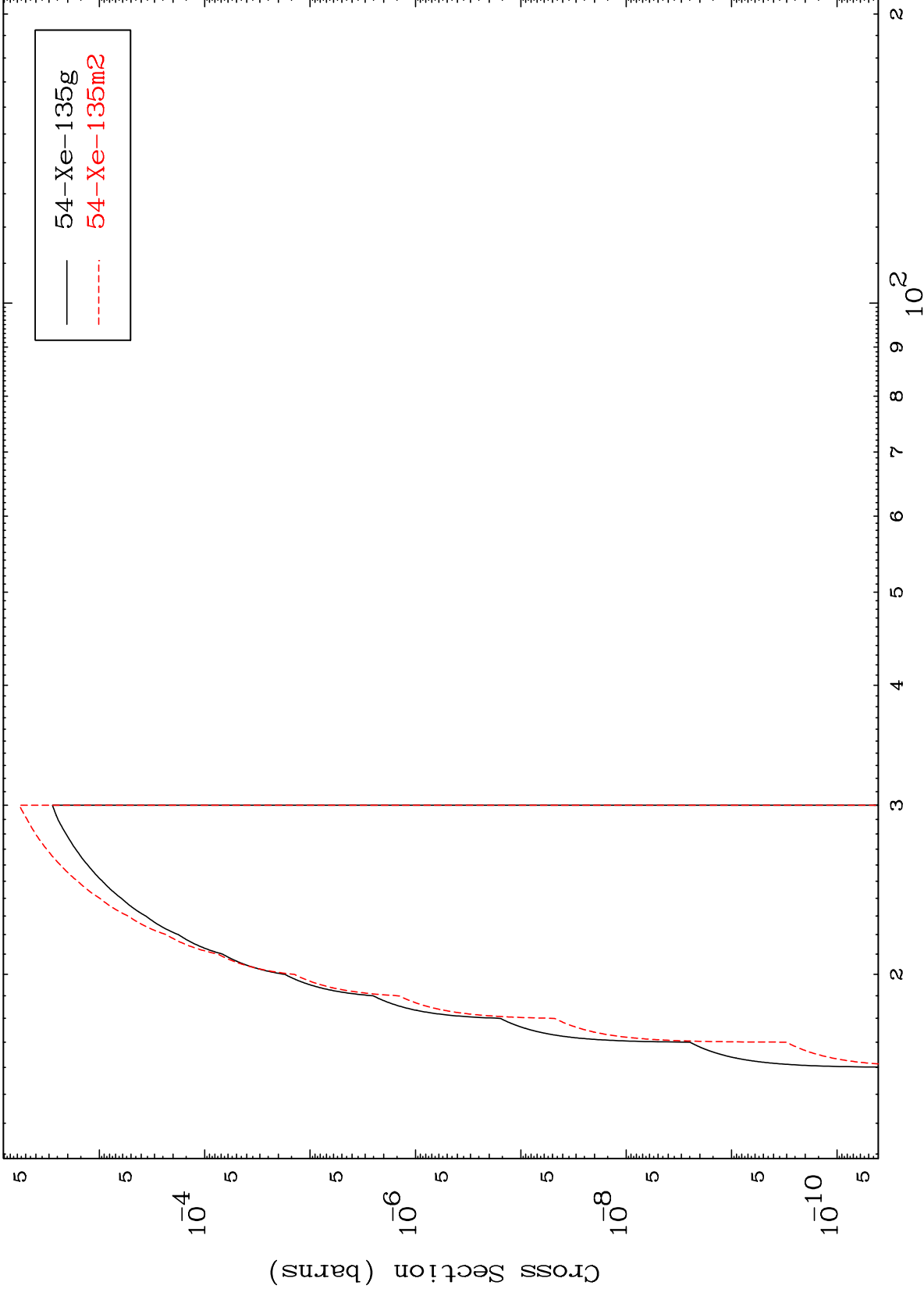
55-Cs-137

MAT 5537

(n,n') d

55-Cs-137

Radionuclide Production Cross Section

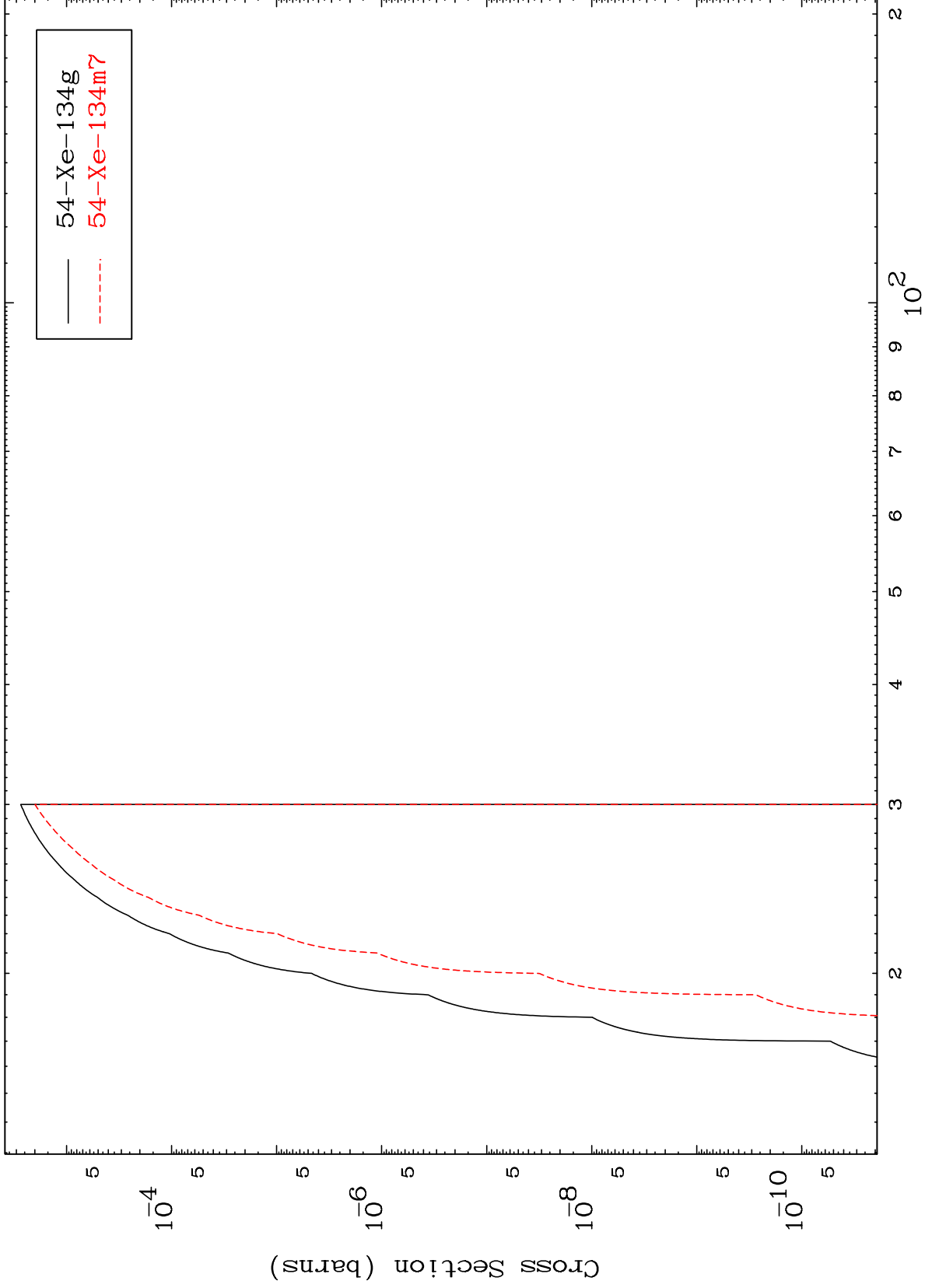


137

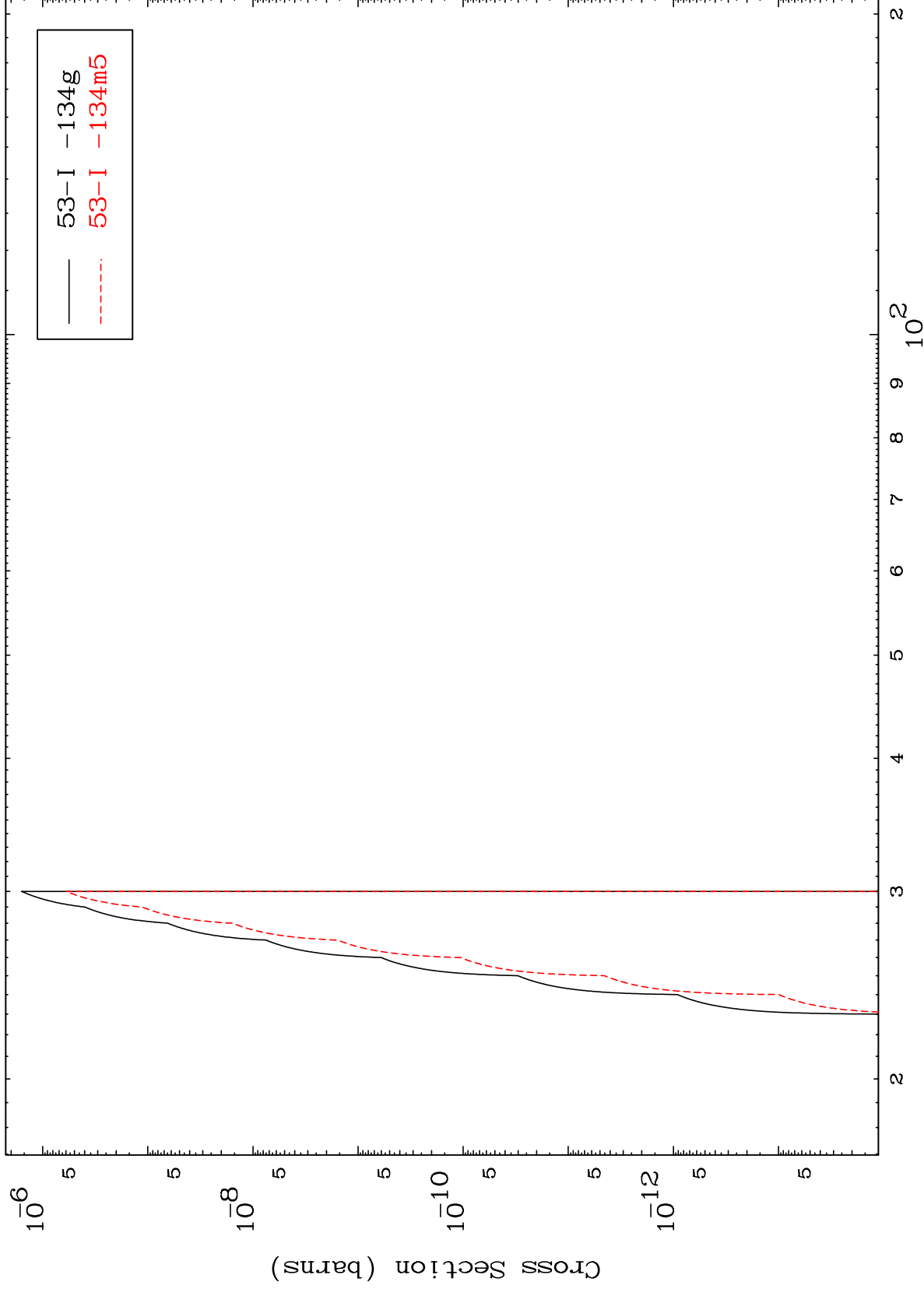
Incident Energy (MeV)

55-Cs-137

Radionuclide Production Cross Section



Radionuclide Production Cross Section

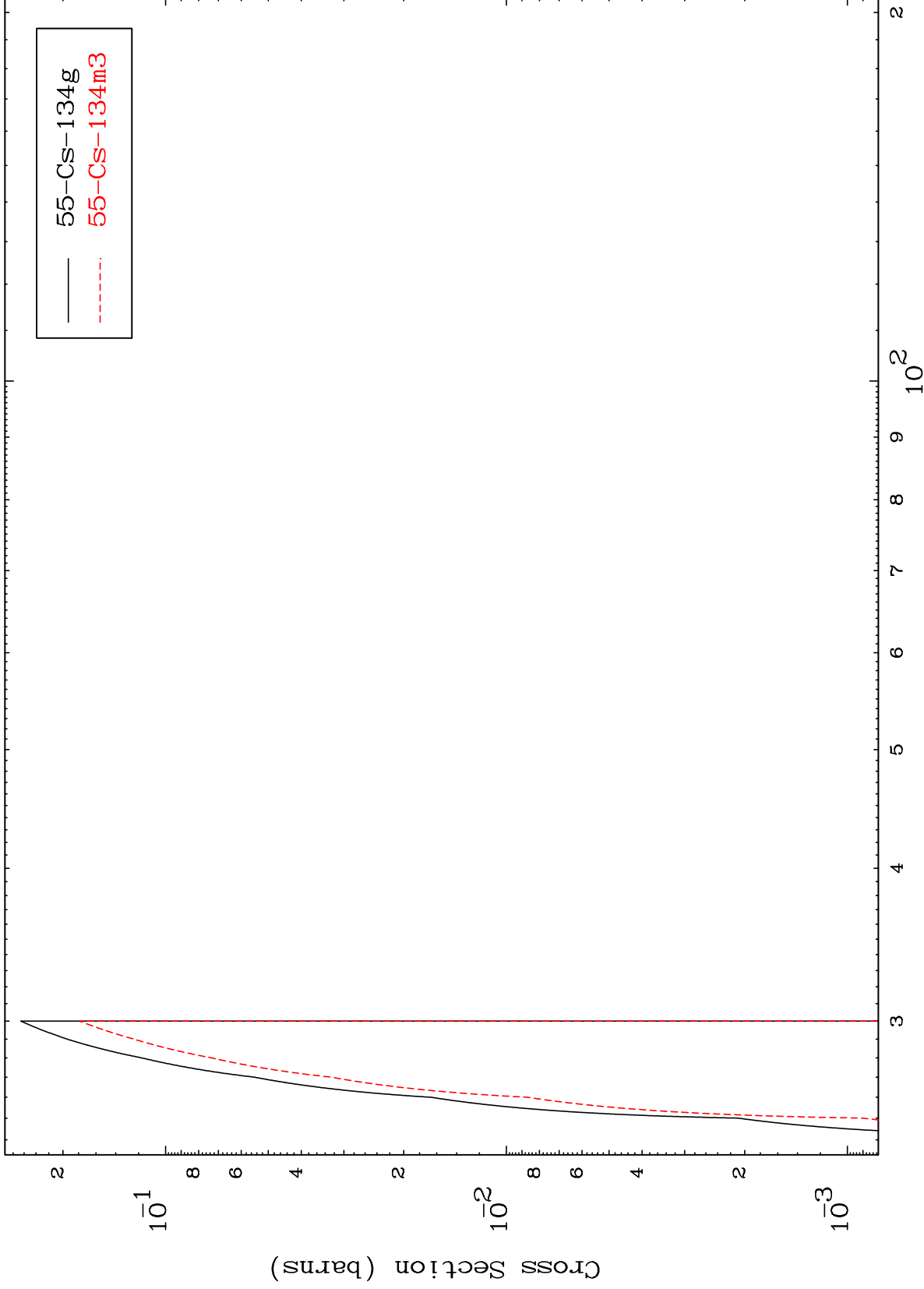


MAT 5537

(n,4n)

55-Cs-137

Radionuclide Production Cross Section



140

Incident Energy (MeV)

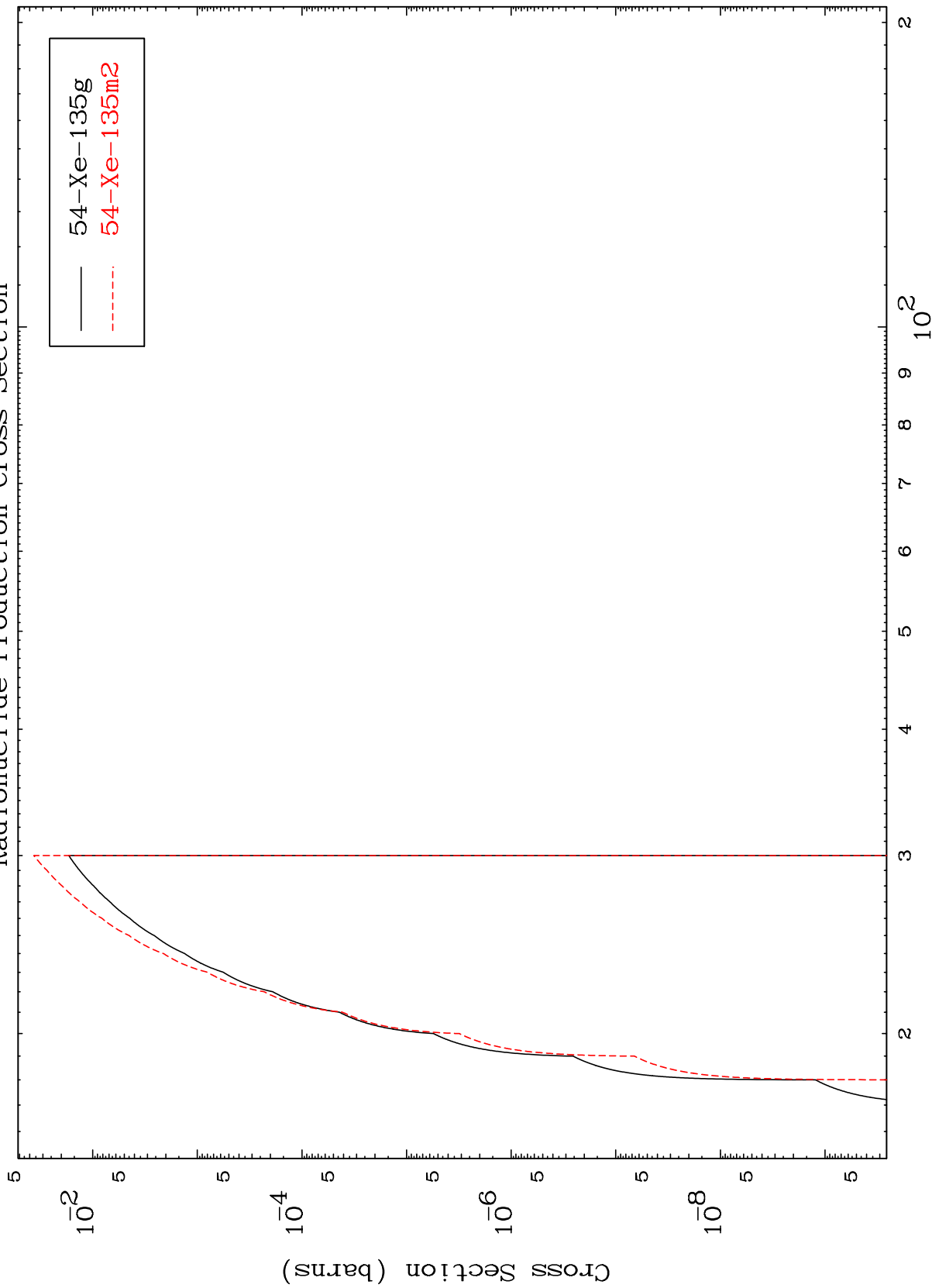
55-Cs-137

MAT 5537

(n,2n) p

55-Cs-137

Radionuclide Production Cross Section

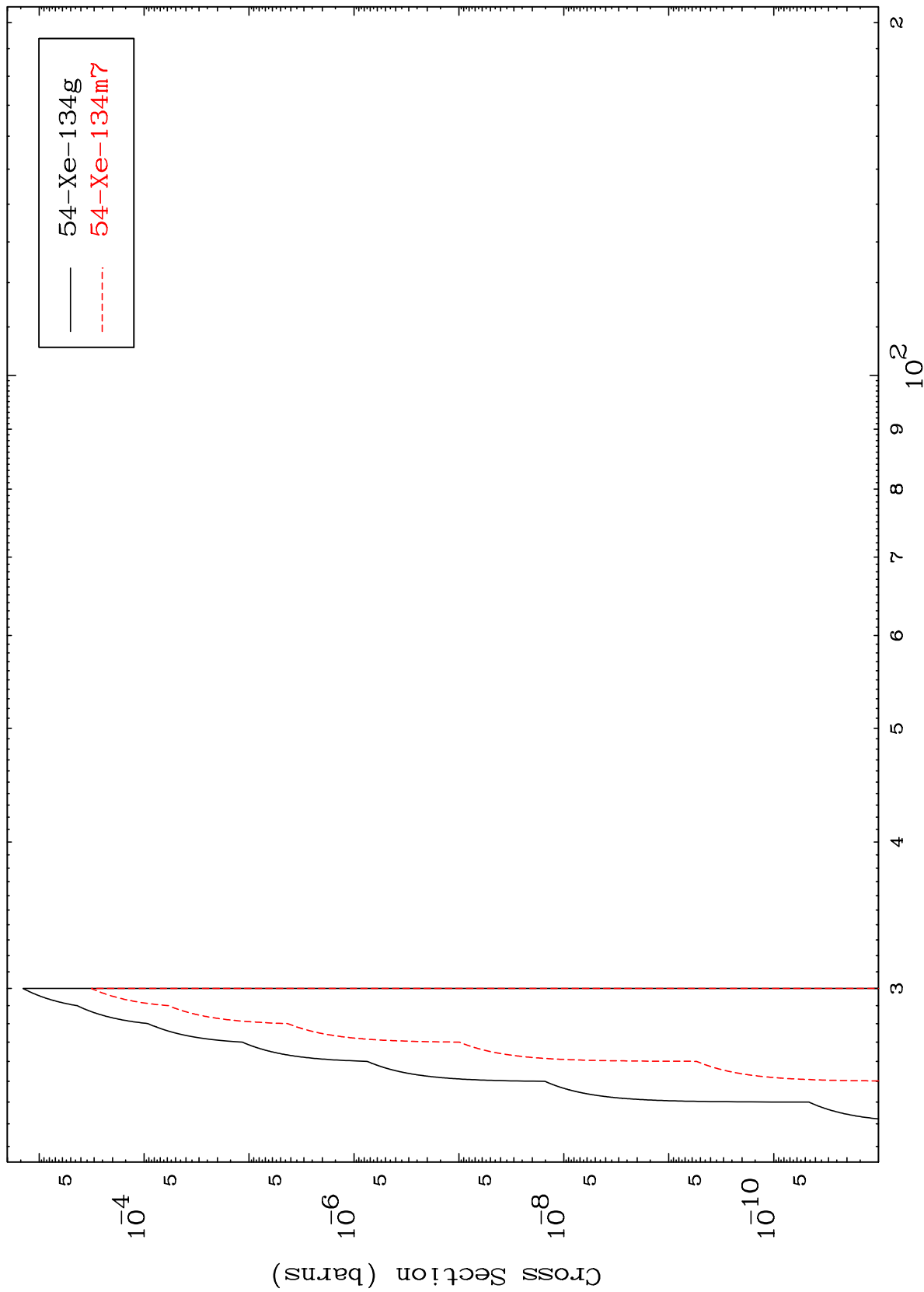


141

Incident Energy (MeV)

55-Cs-137

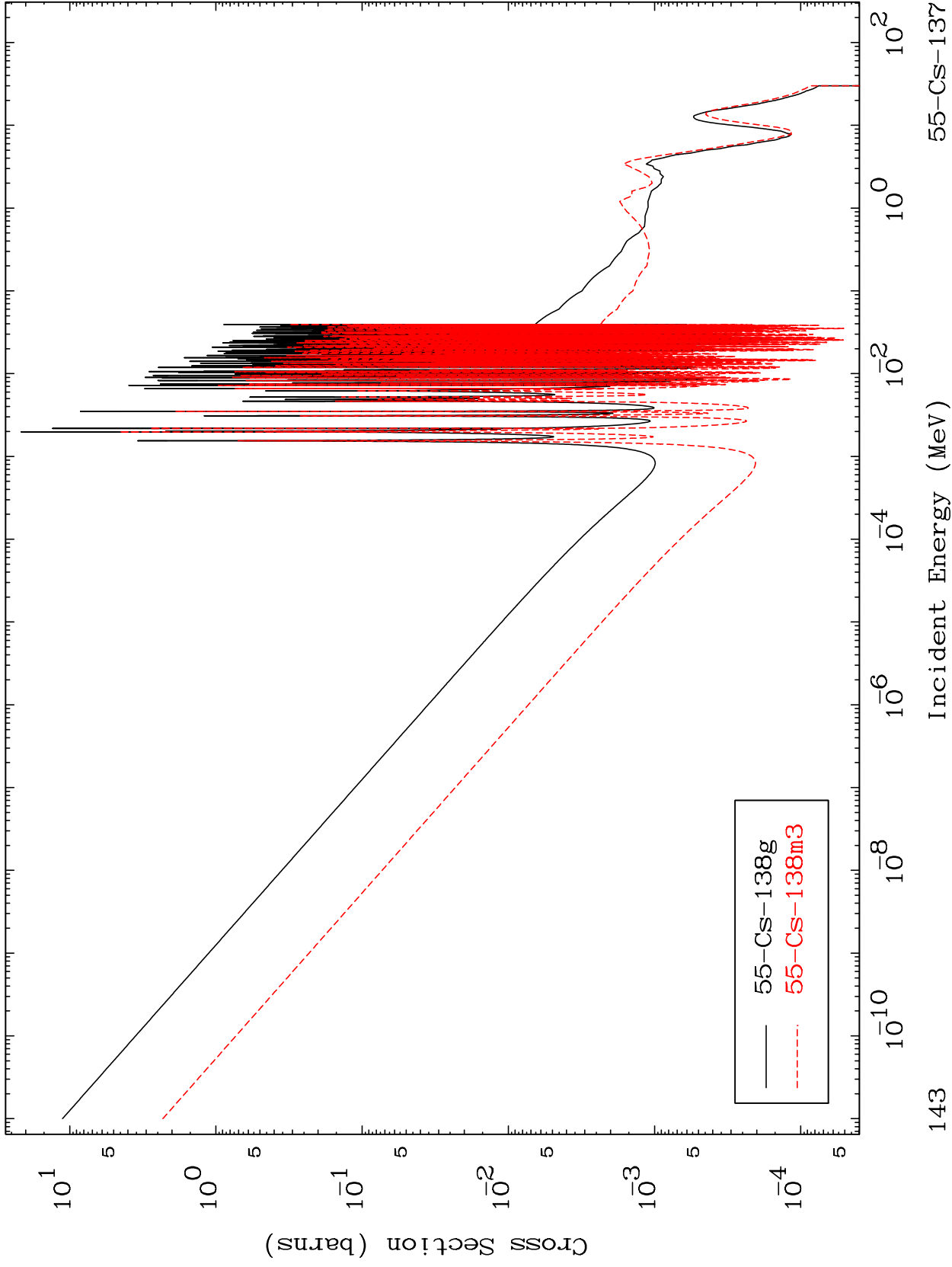
Radionuclide Production Cross Section



MAT 5537

55-Cs-137

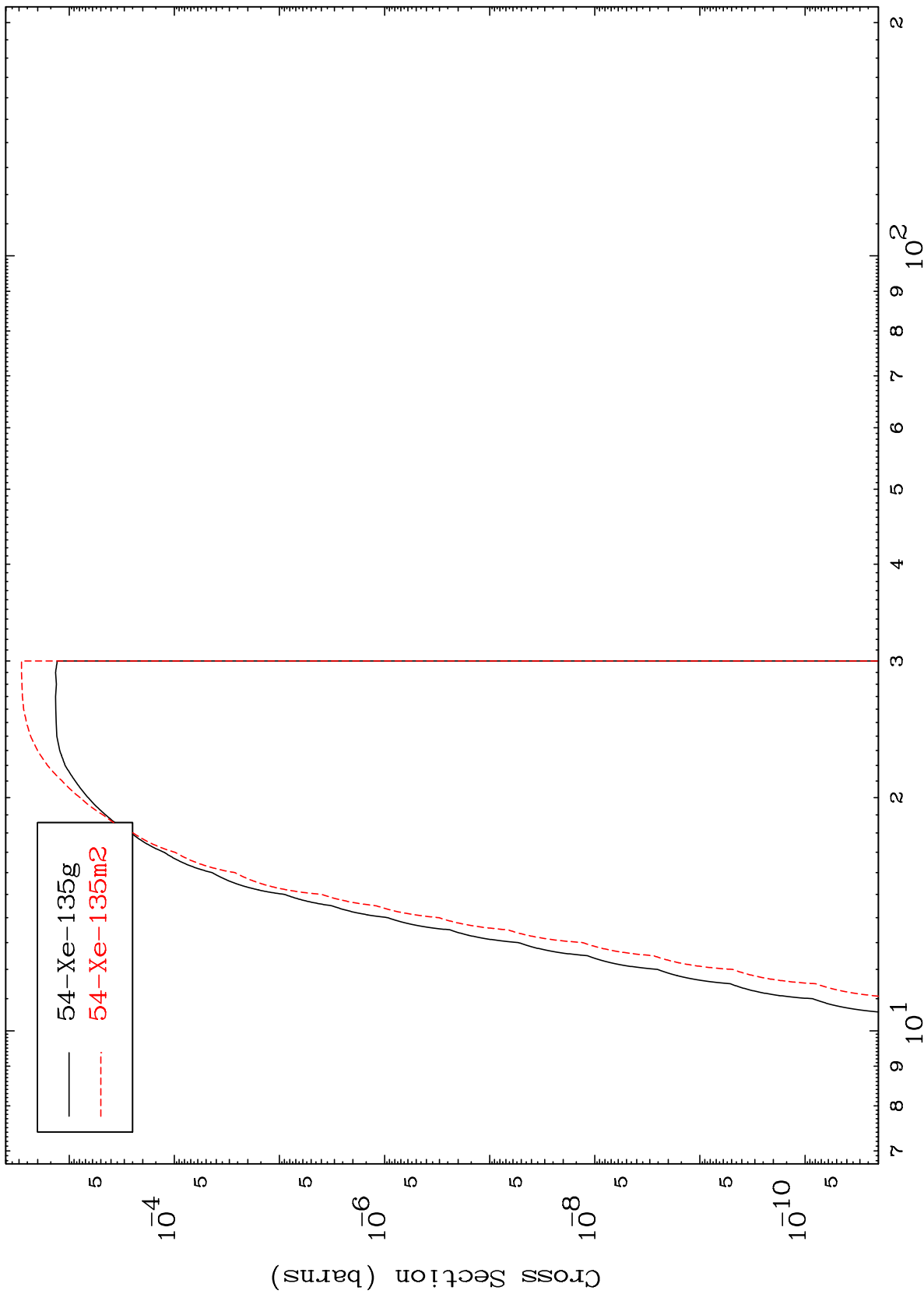
$(n, \gamma)$   
Radionuclide Production Cross Section



143



(n,t)  
Radionuclide Production Cross Section

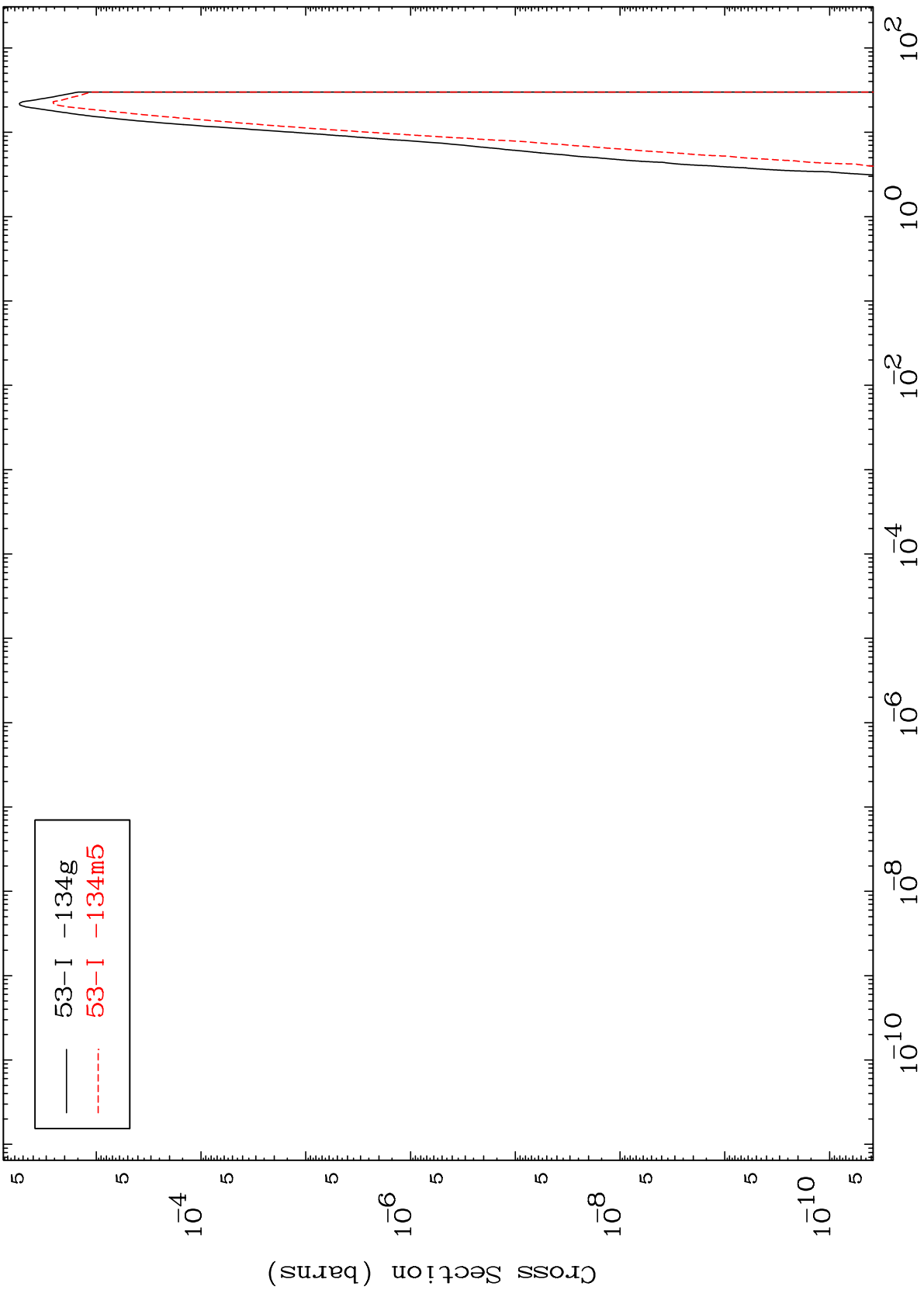


MAT 5537

(n,  $\alpha$ )

55-Cs-137

Radionuclide Production Cross Section



145

Incident Energy (MeV)

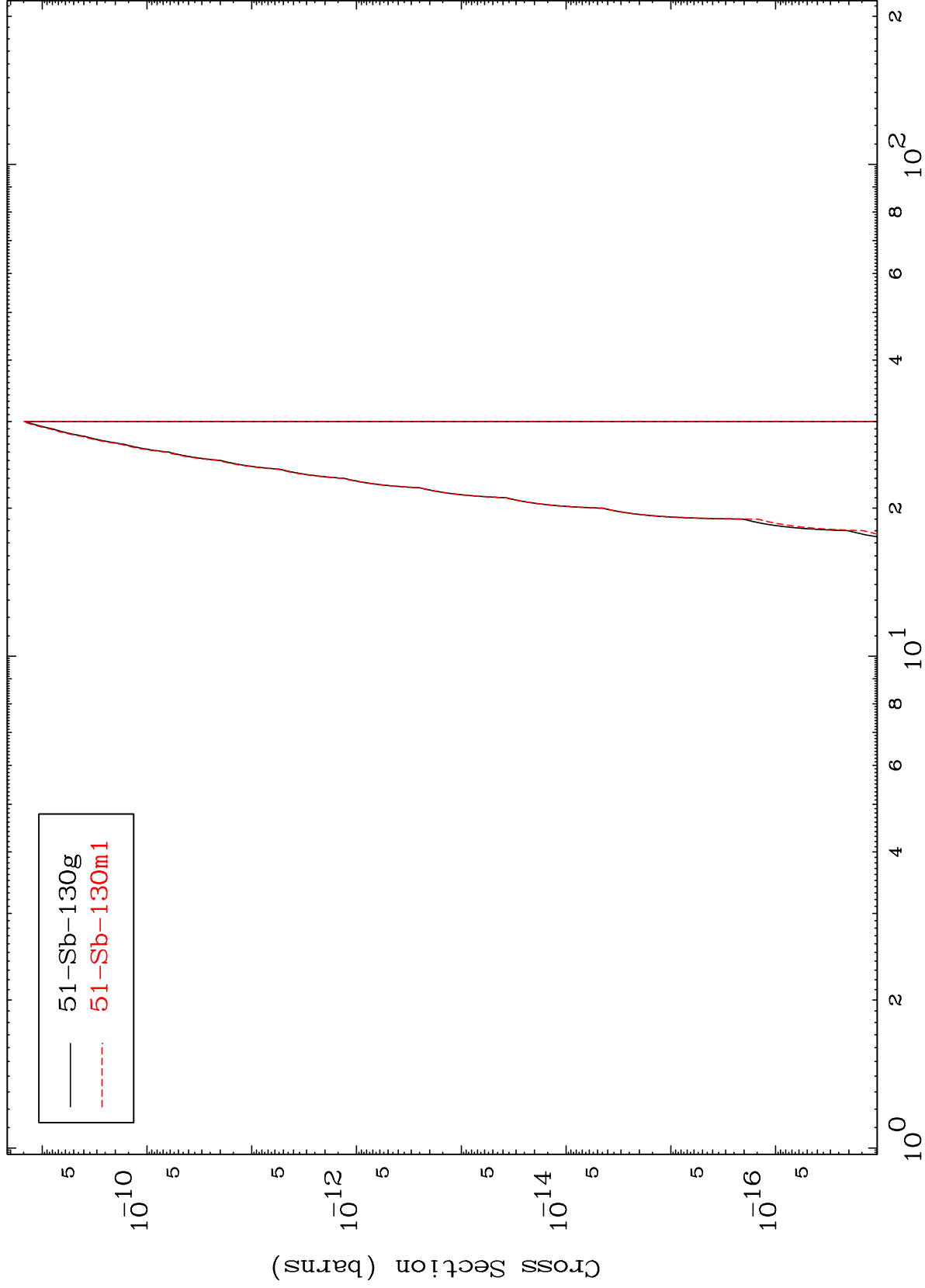
55-Cs-137

MAT 5537

(n,2α)

55-Cs-137

Radionuclide Production Cross Section



146

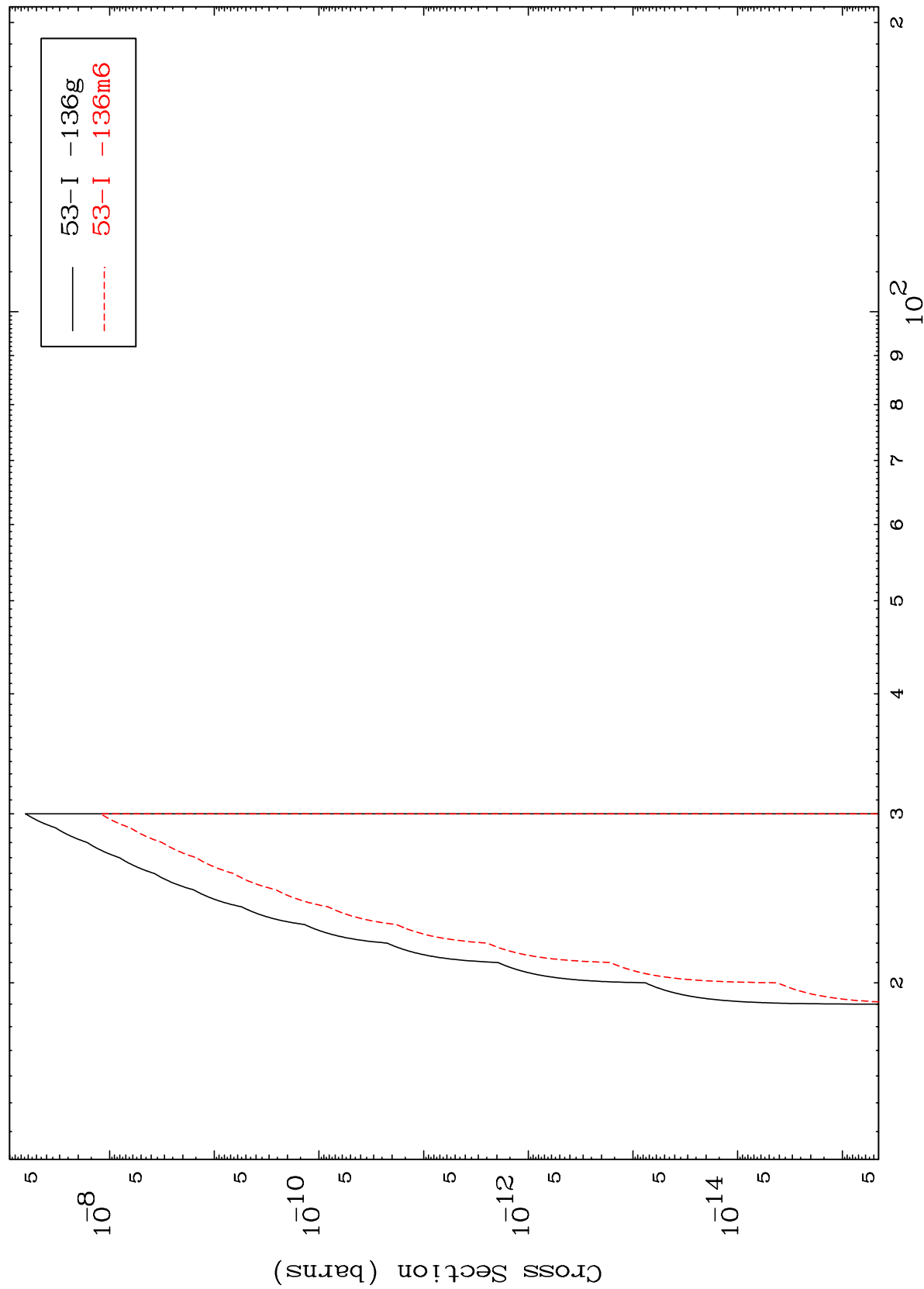
Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

(n,2p)  
Radionuclide Production Cross Section



147

55-Cs-137

Incident Energy (MeV)

Radionuclide Production Cross Section

