

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

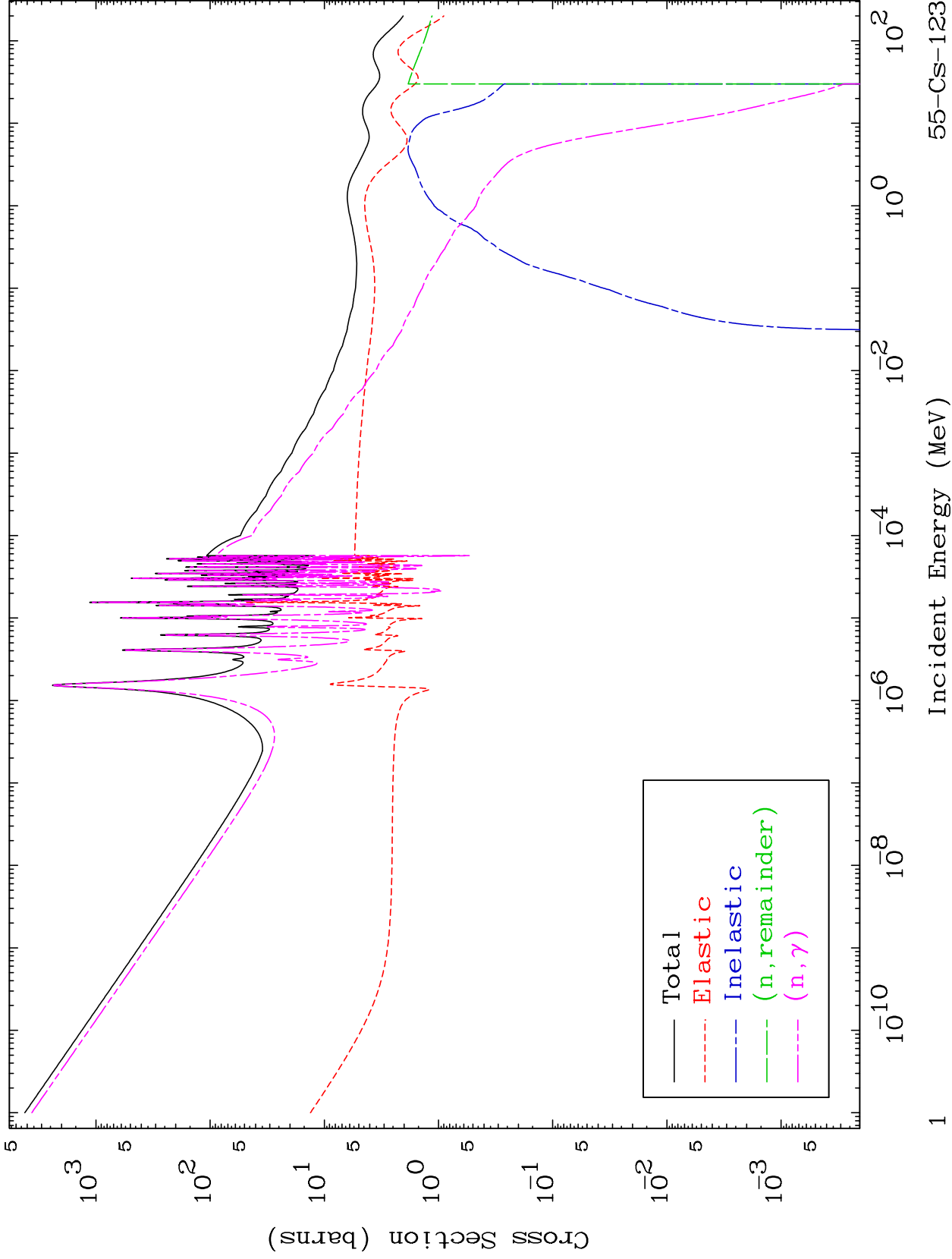
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Press Mouse Button to Start

MAT 5495

Major  
293 Kelvin Cross Sections

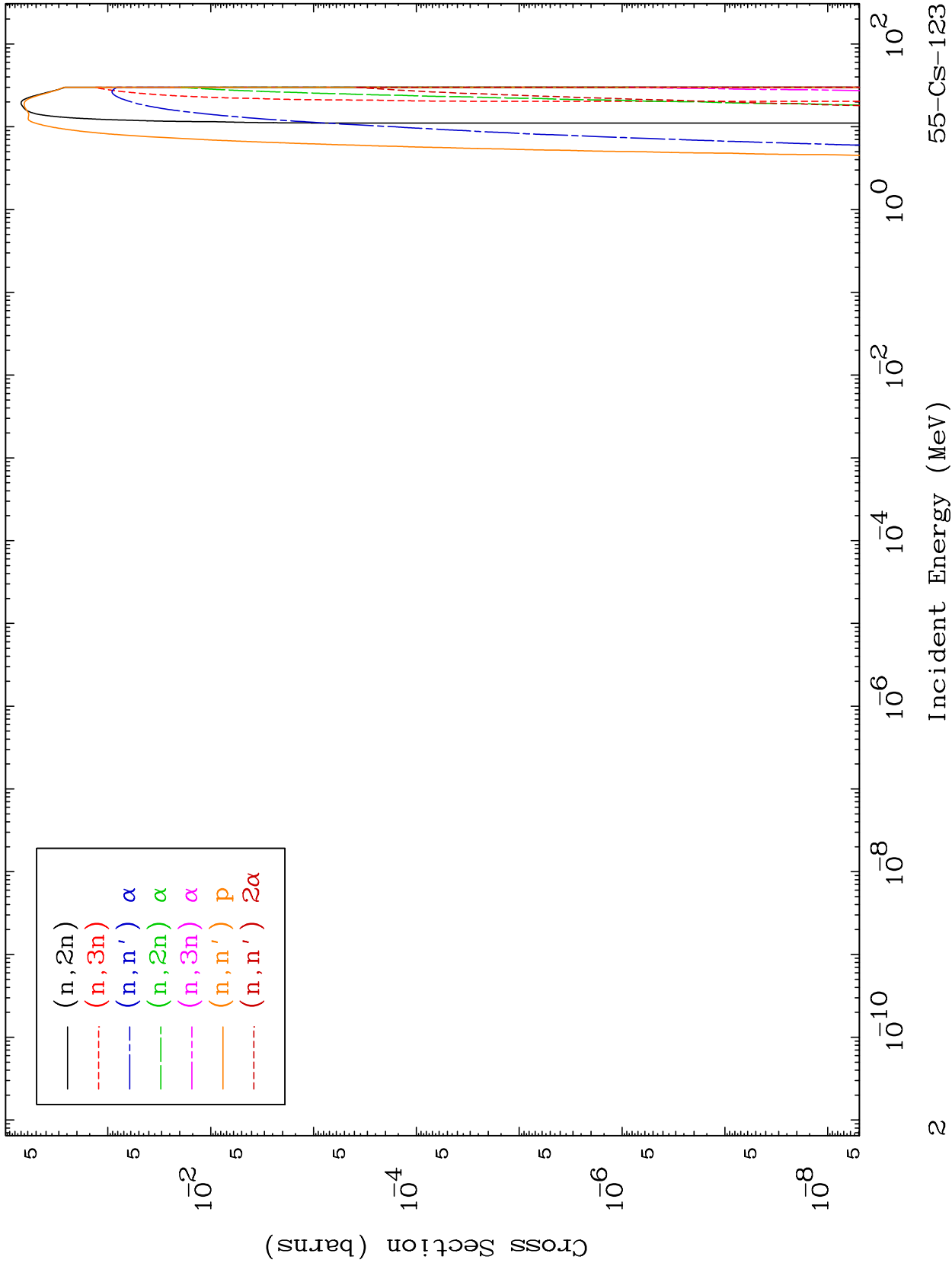
55-Cs-123

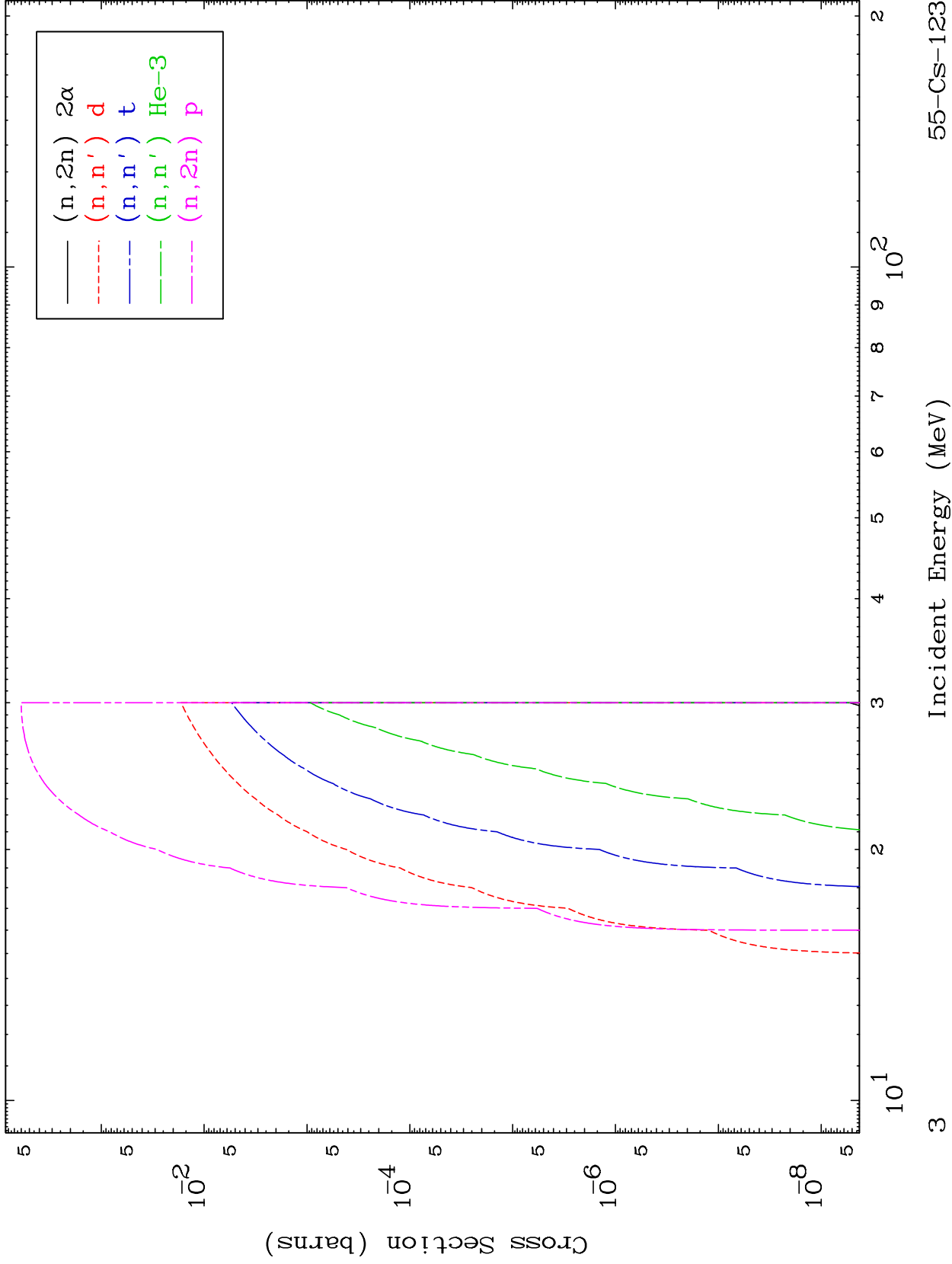


MAT 5495

Neutron Production  
293 Kelvin Cross Sections

55-Cs-123

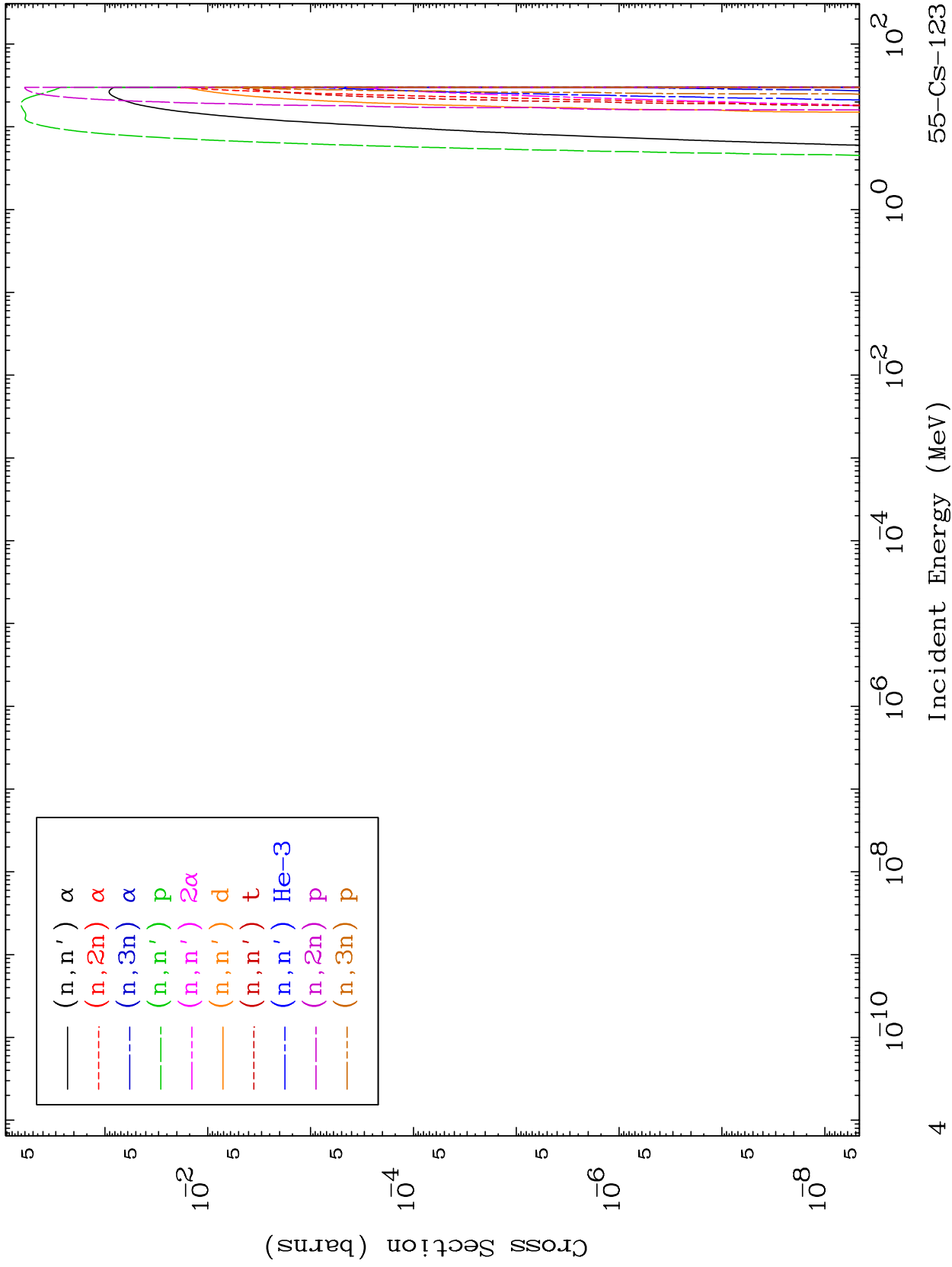




MAT 5495

Charged Particle  
293 Kelvin Cross Sections

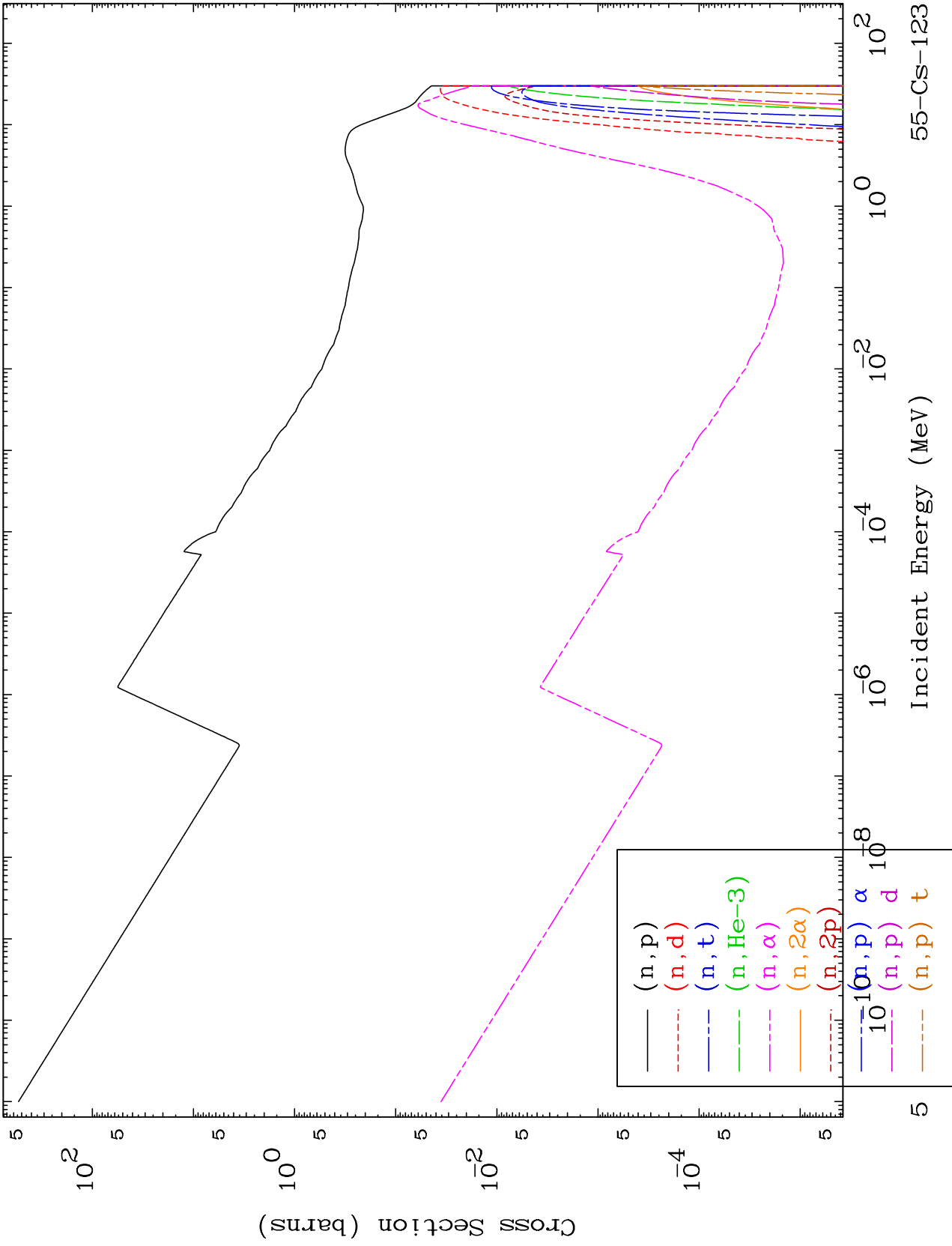
55-Cs-123



MAT 5495

Charged Particle  
293 Kelvin Cross Sections

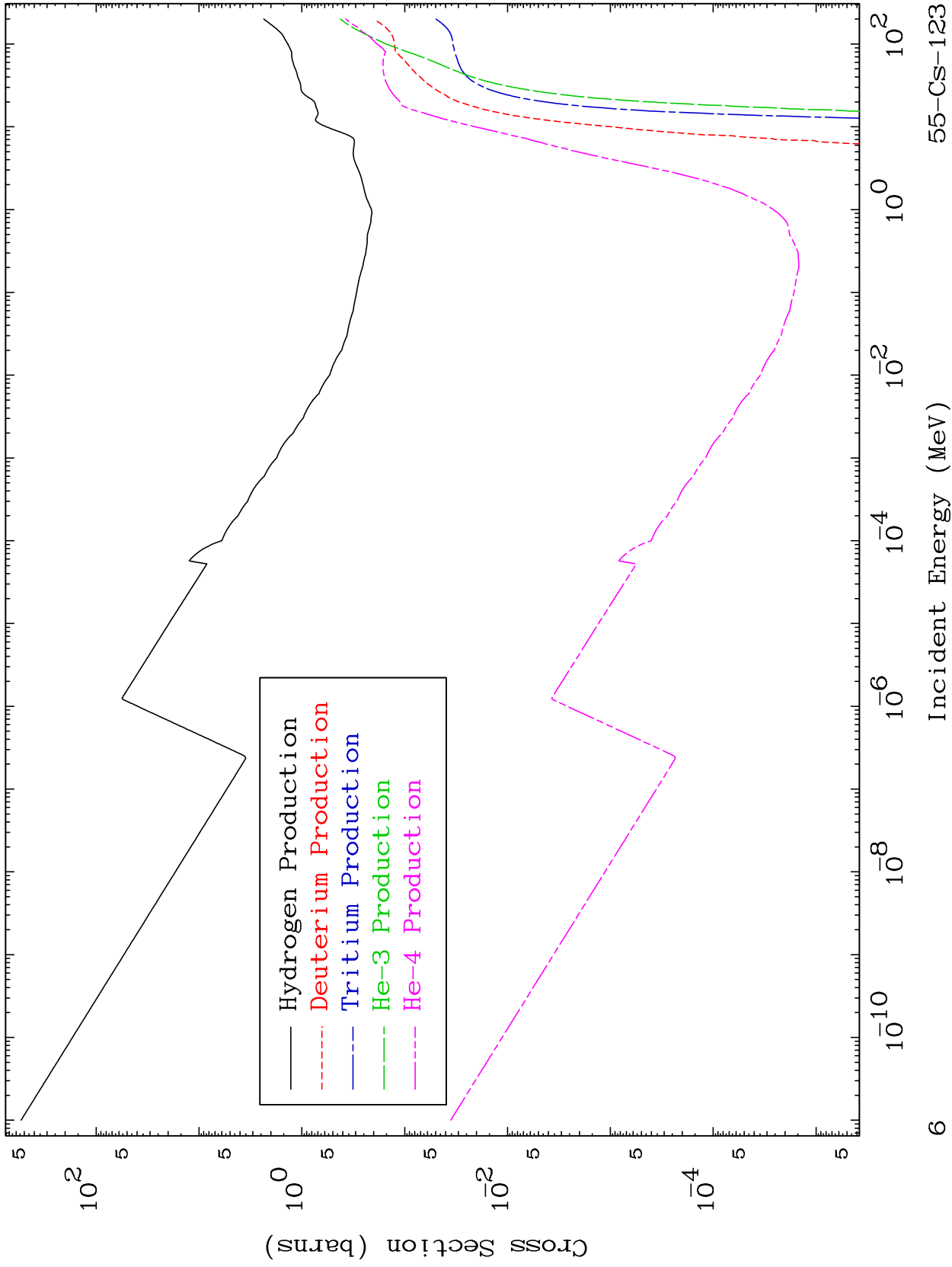
55-Cs-123



MAT 5495

Particle Production  
293 Kelvin Cross Sections

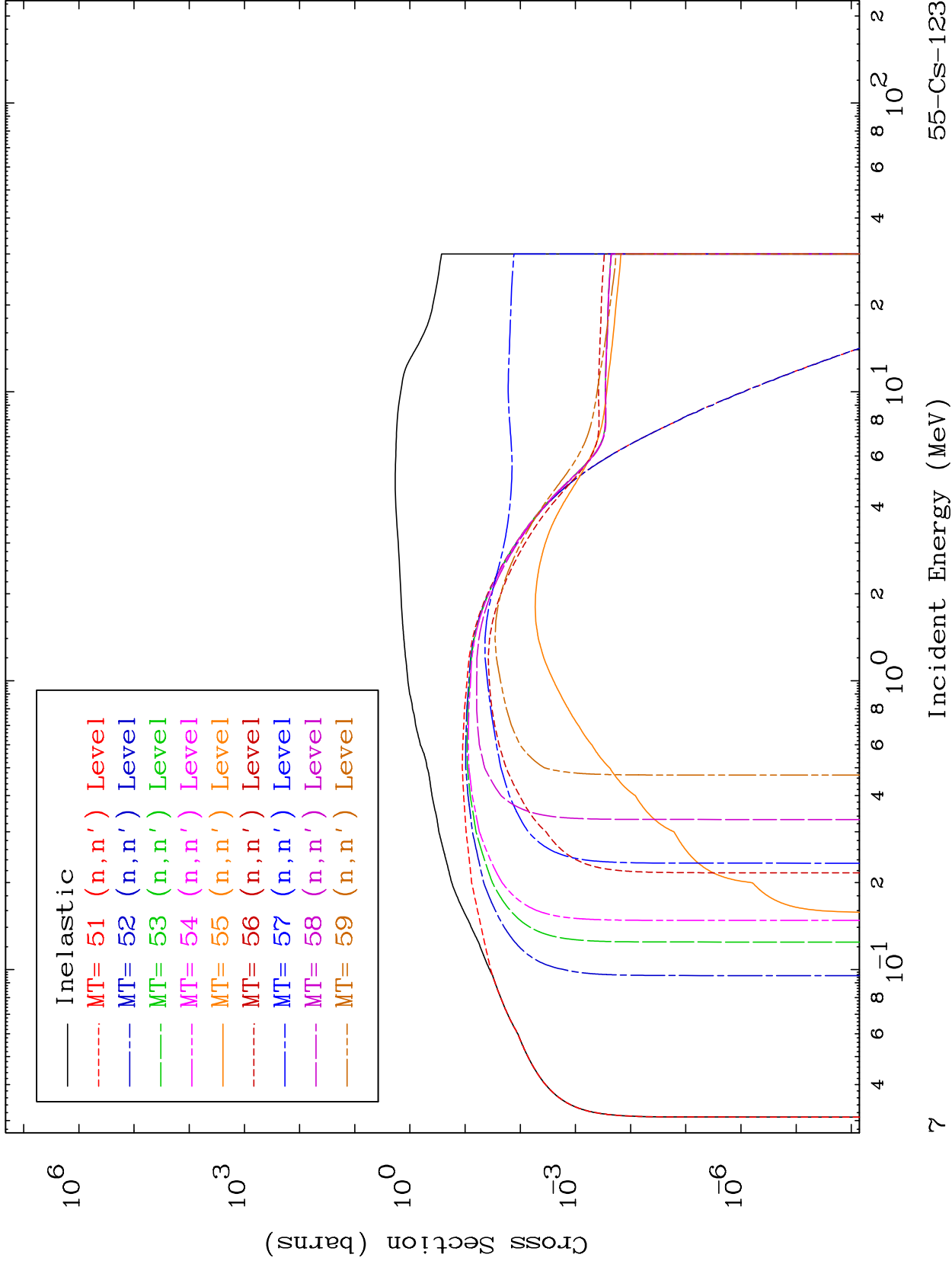
55-Cs-123



MAT 5495

(n,n') Level  
293 Kelvin Cross Sections

55-Cs-123



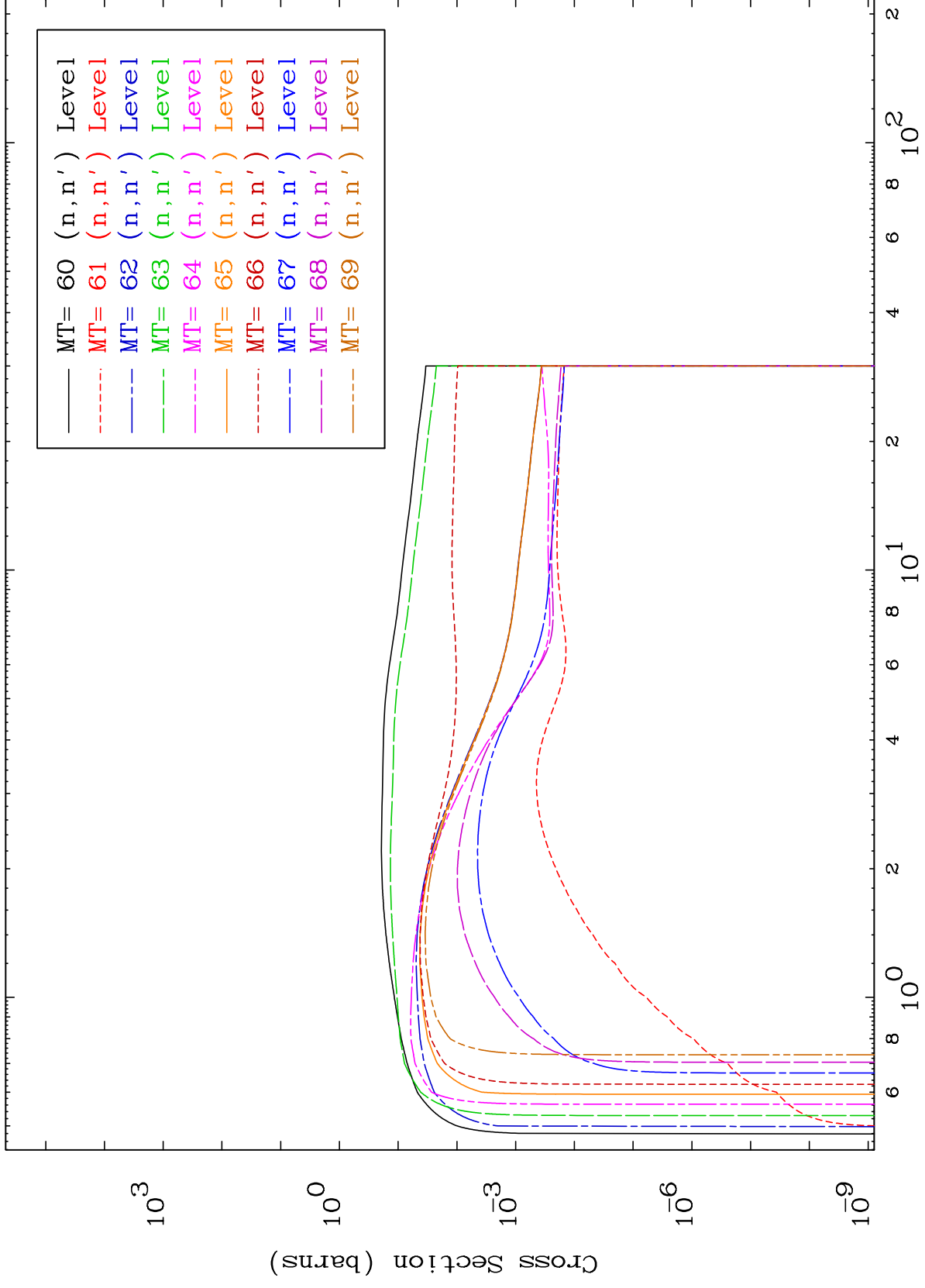


MAT 5495

(n,n') Level

55-Cs-123

293 Kelvin Cross Sections



8

Incident Energy (MeV)

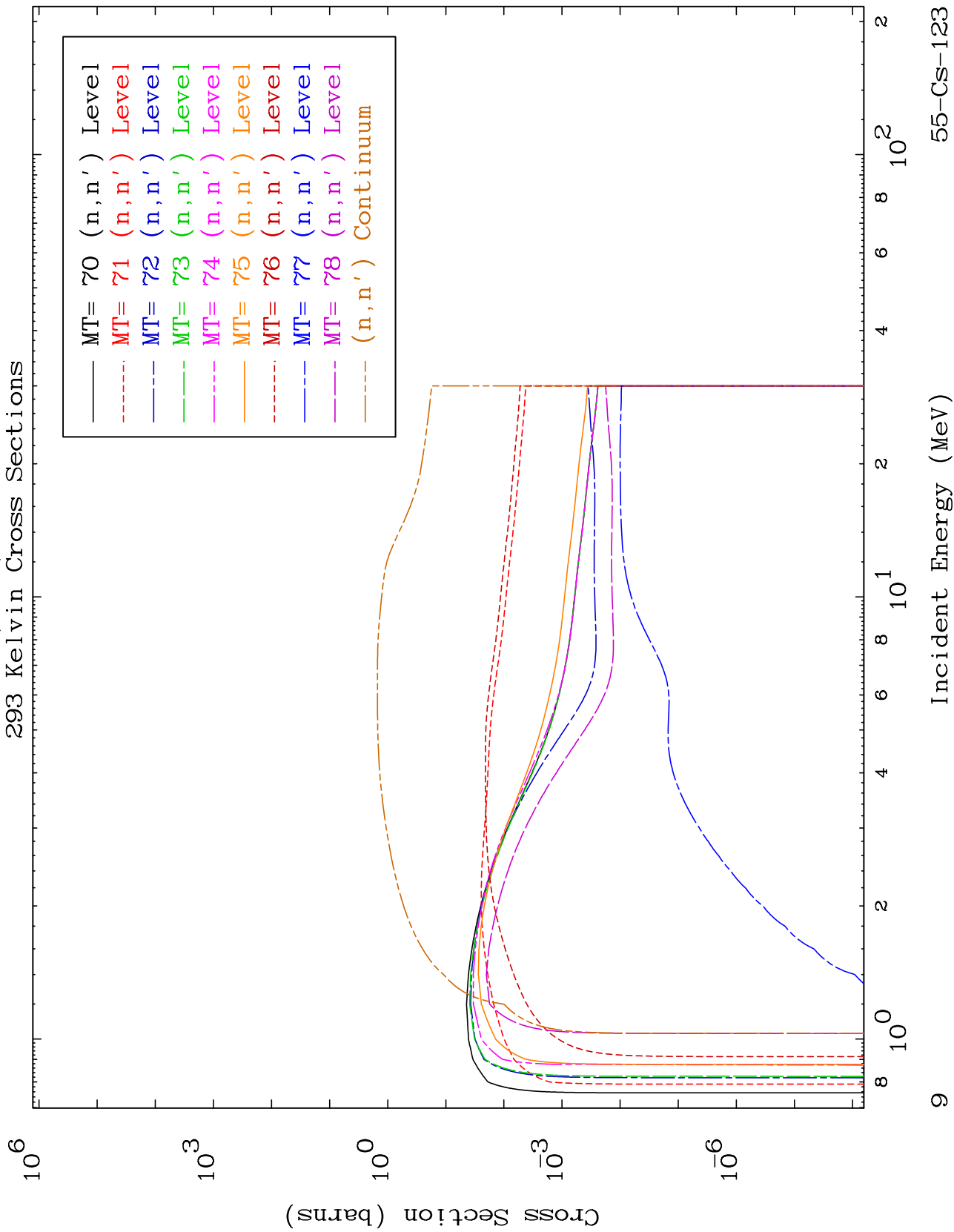
55-Cs-123

MAT 5495

(n,n') Level

293 Kelvin Cross Sections

55-Cs-123



9

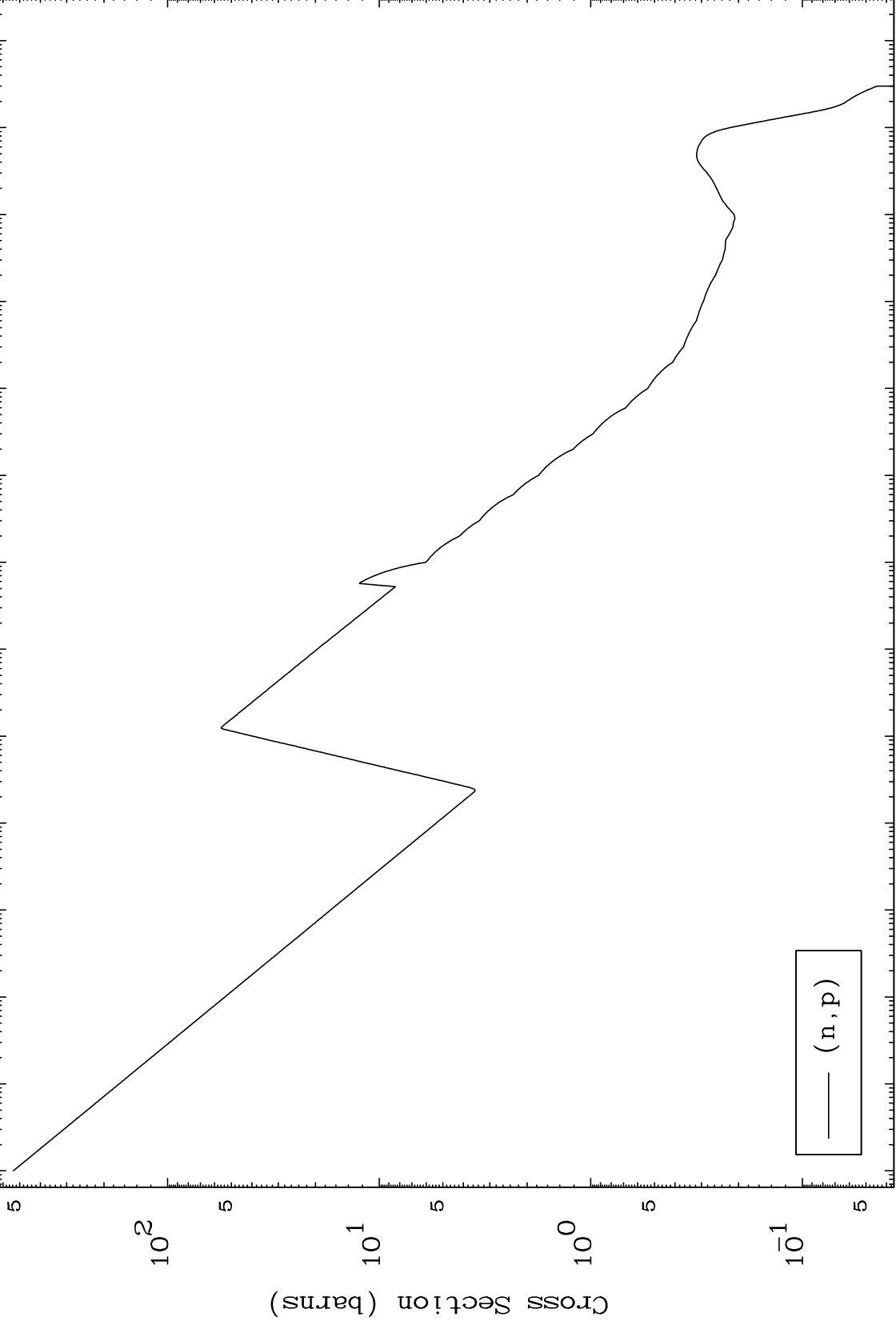
Incident Energy (MeV)

55-Cs-123

MAT 5495

(n,p) Levels  
293 Kelvin Cross Sections

55-Cs-123



55-Cs-123

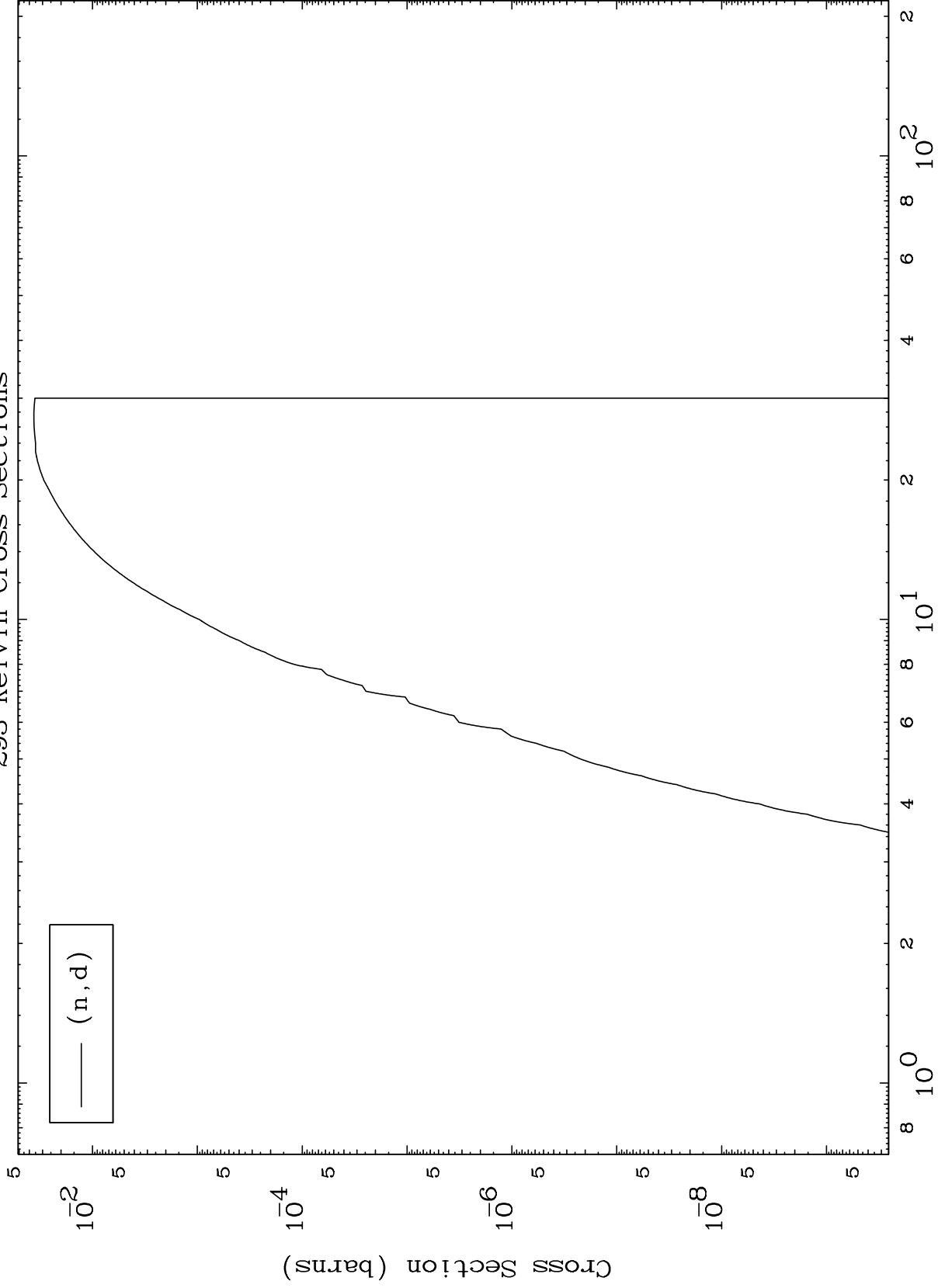
Incident Energy (MeV)

10

MAT 5495

(n,d) Levels  
293 Kelvin Cross Sections

55-Cs-123



11

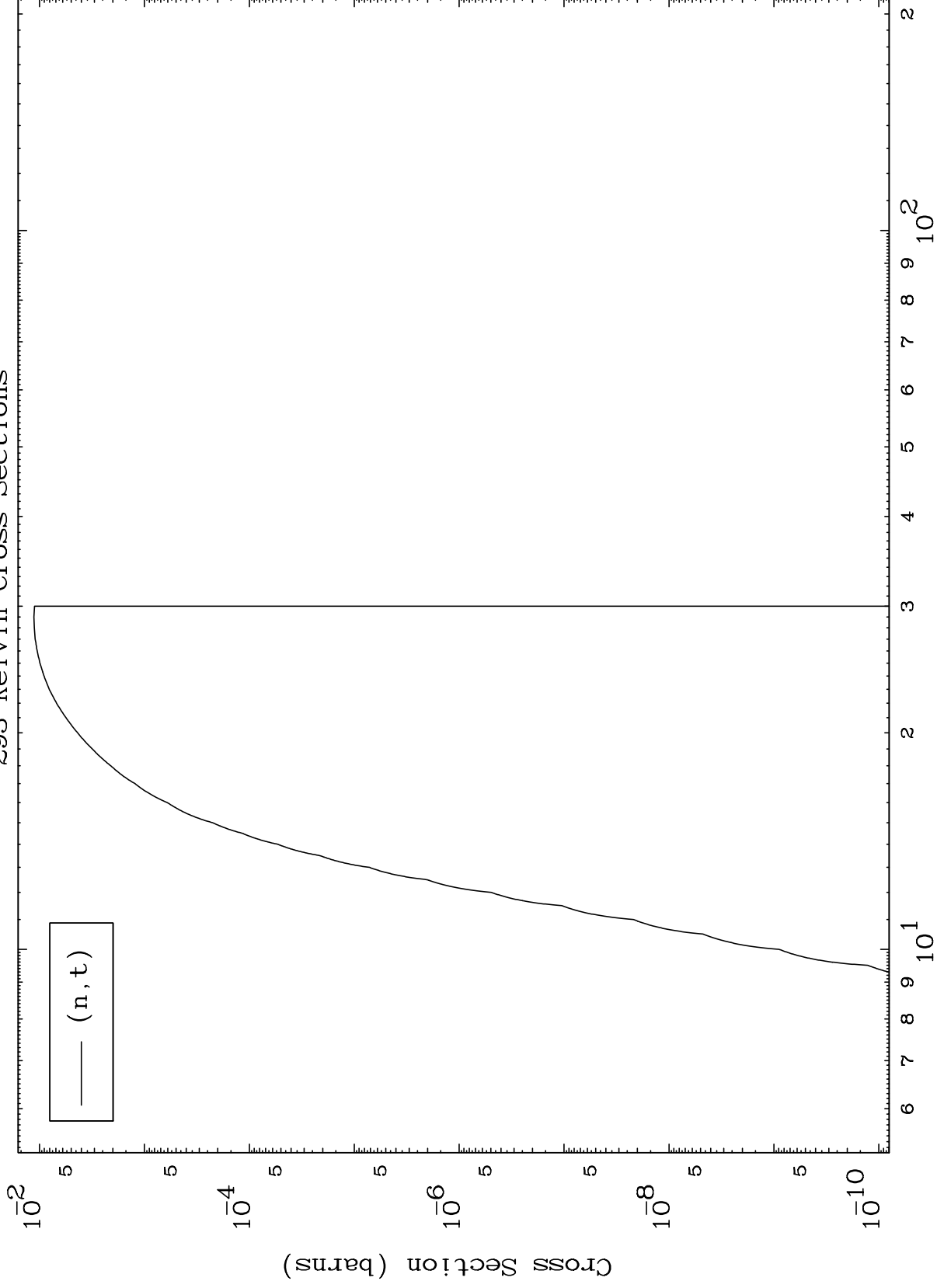
Incident Energy (MeV)

55-Cs-123

MAT 5495

(n,t) Levels  
293 Kelvin Cross Sections

55-Cs-123



12

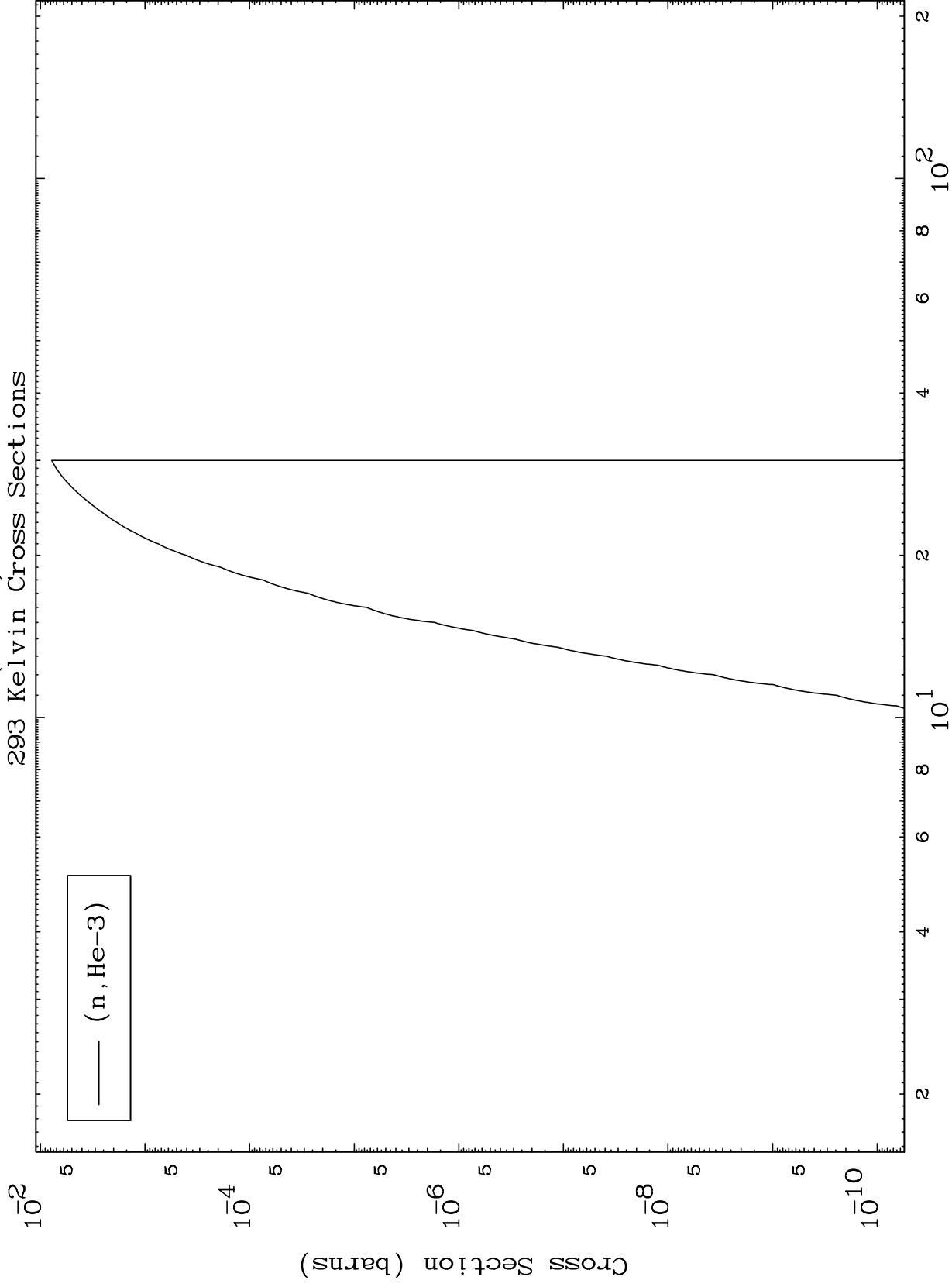
Incident Energy (MeV)

55-Cs-123

MAT 5495

(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-123



13

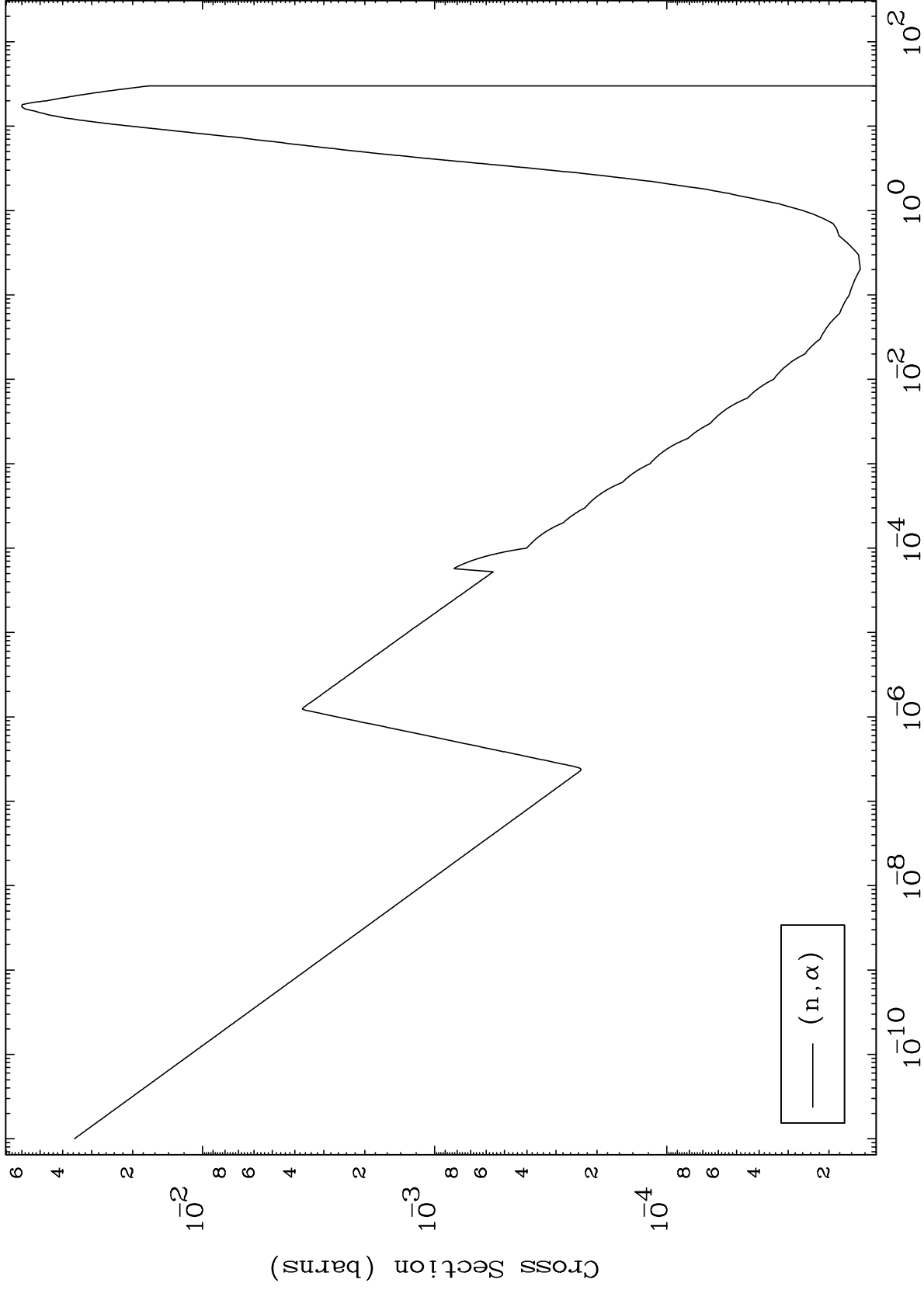
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

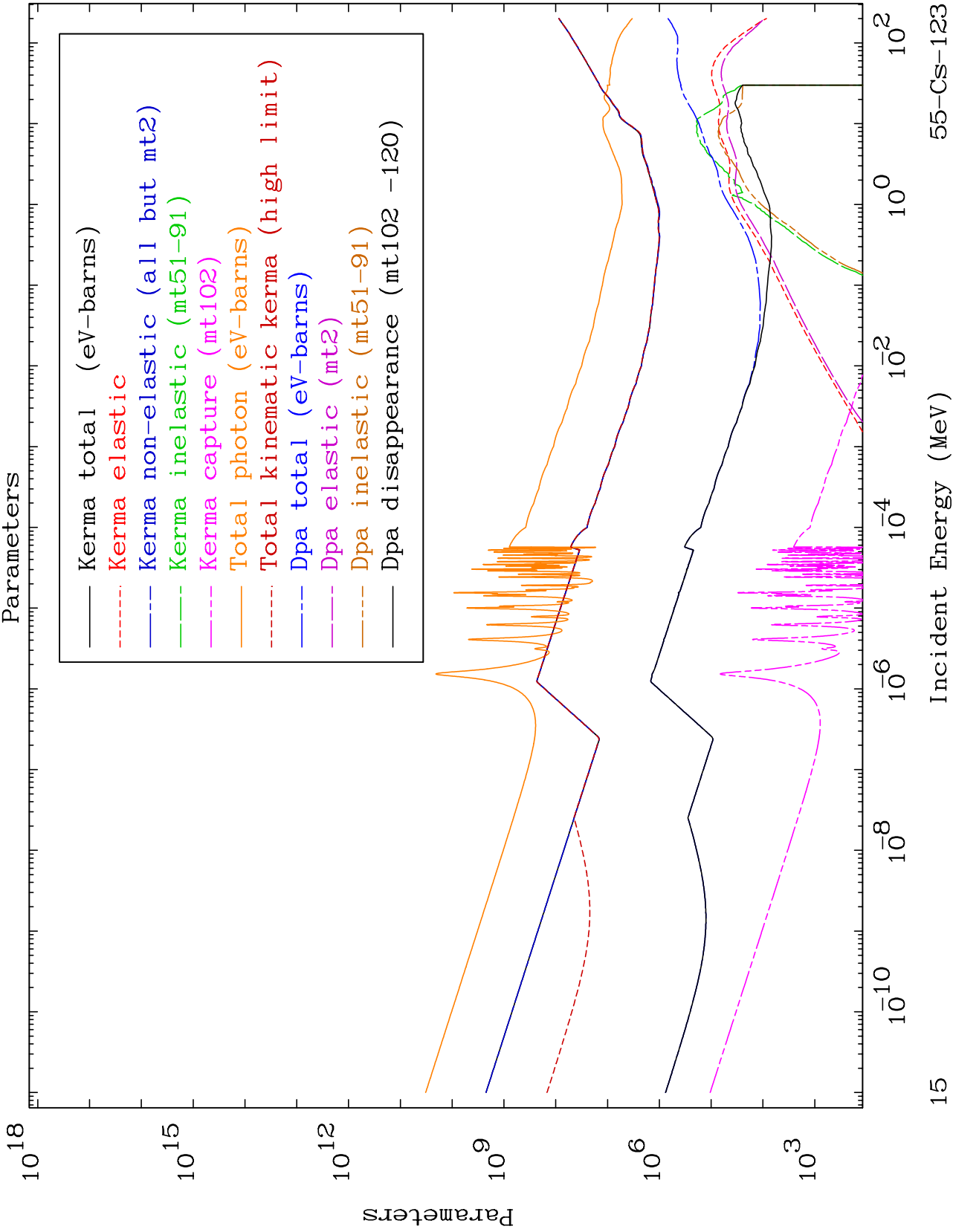
55-Cs-123



14

Incident Energy (MeV)

55-Cs-123

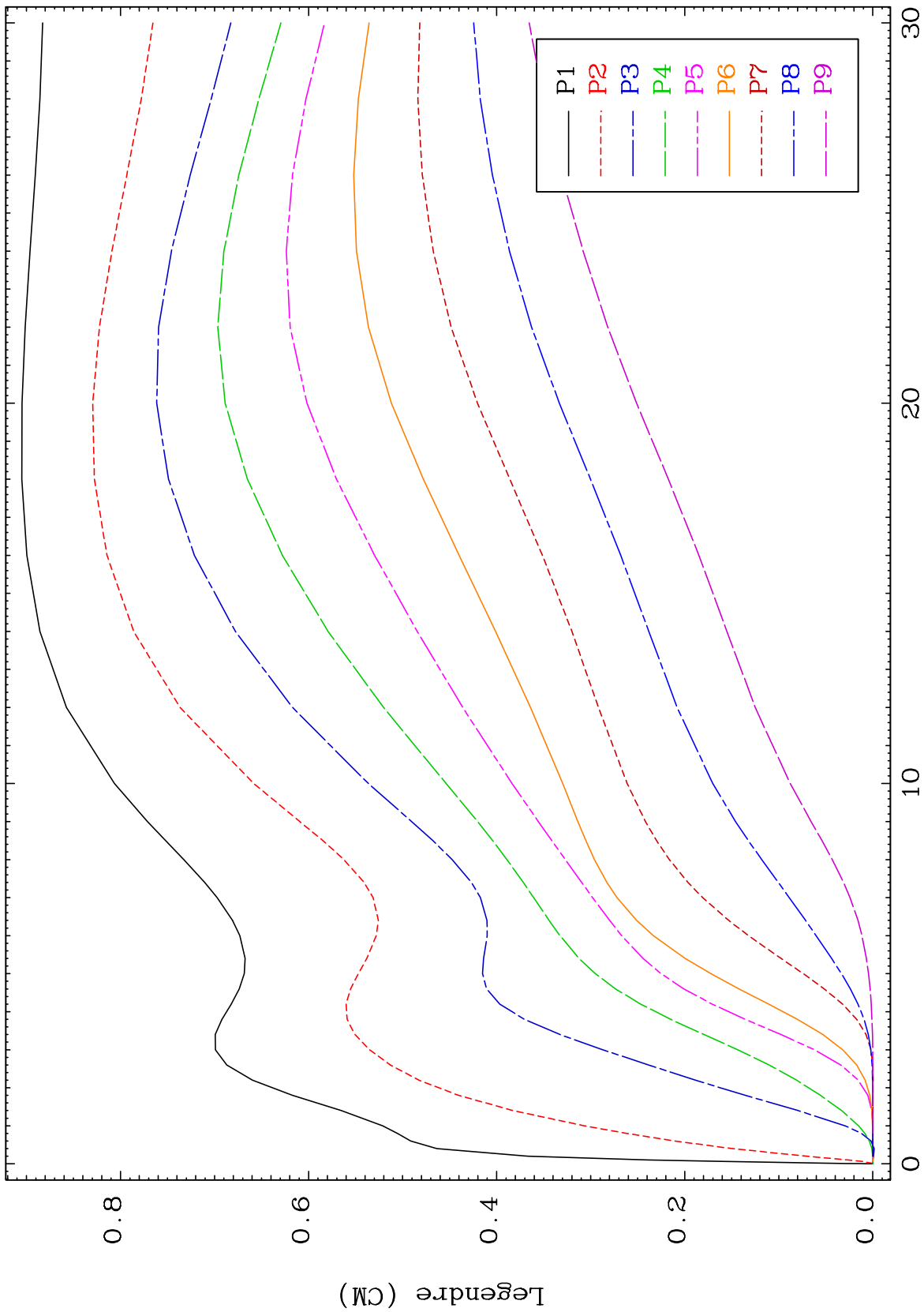




MAT 5495

Elastic Legendre Coefficients

55-Cs-123



16

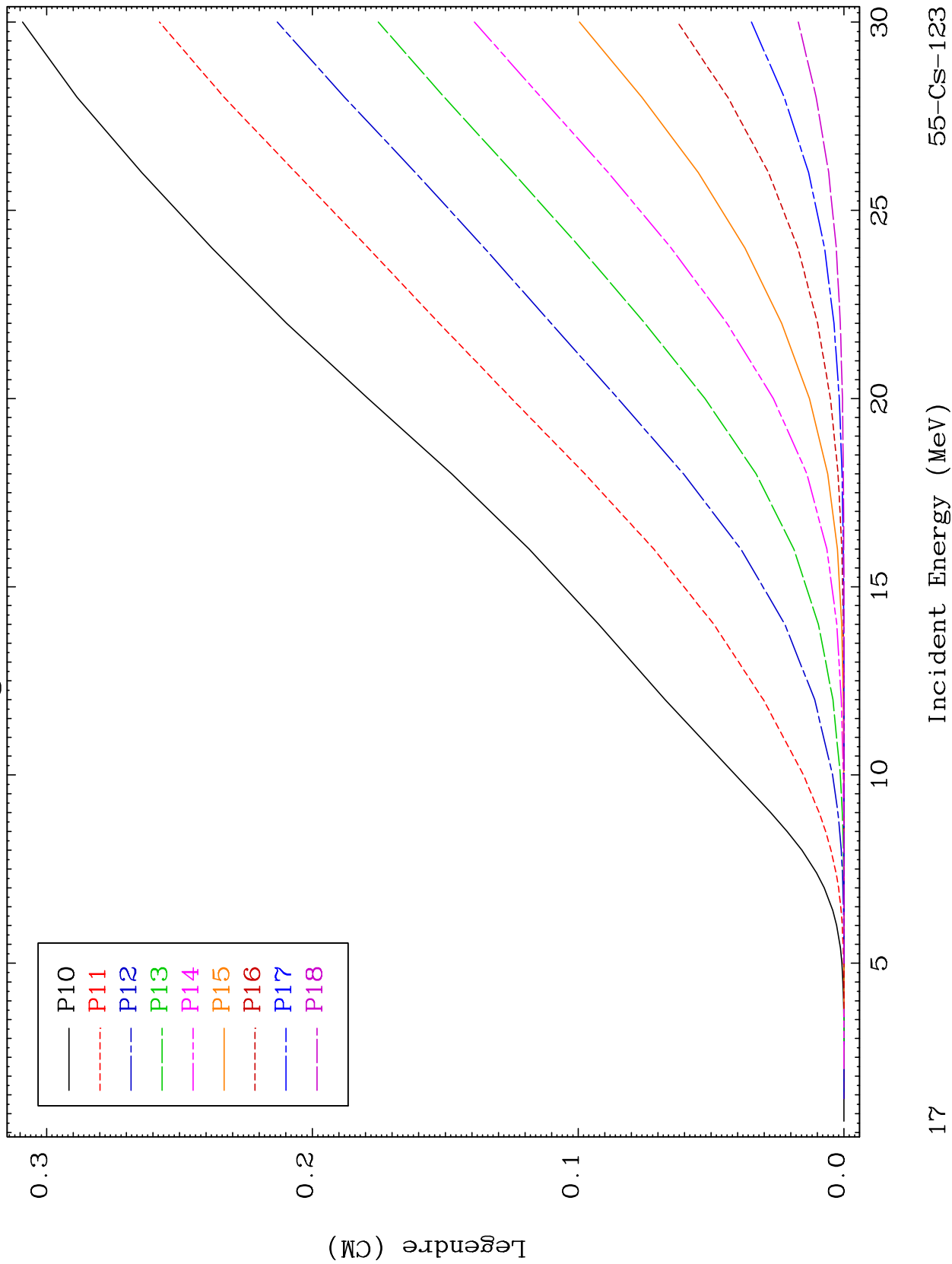
Incident Energy (MeV)

55-Cs-123

MAT 5495

Elastic Legendre Coefficients

55-Cs-123

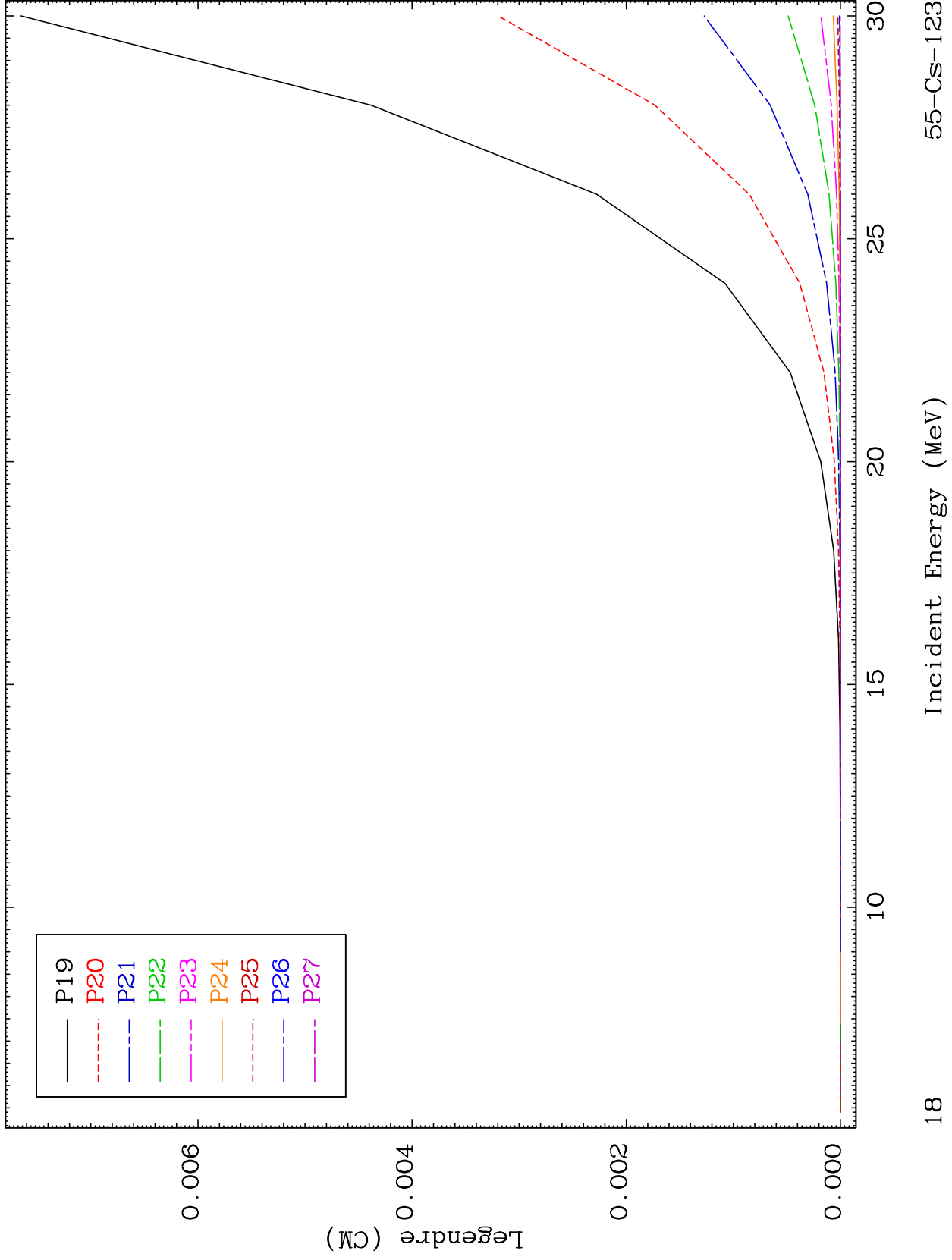


17

MAT 5495

### Elastic Legendre Coefficients

55-Cs-123



18

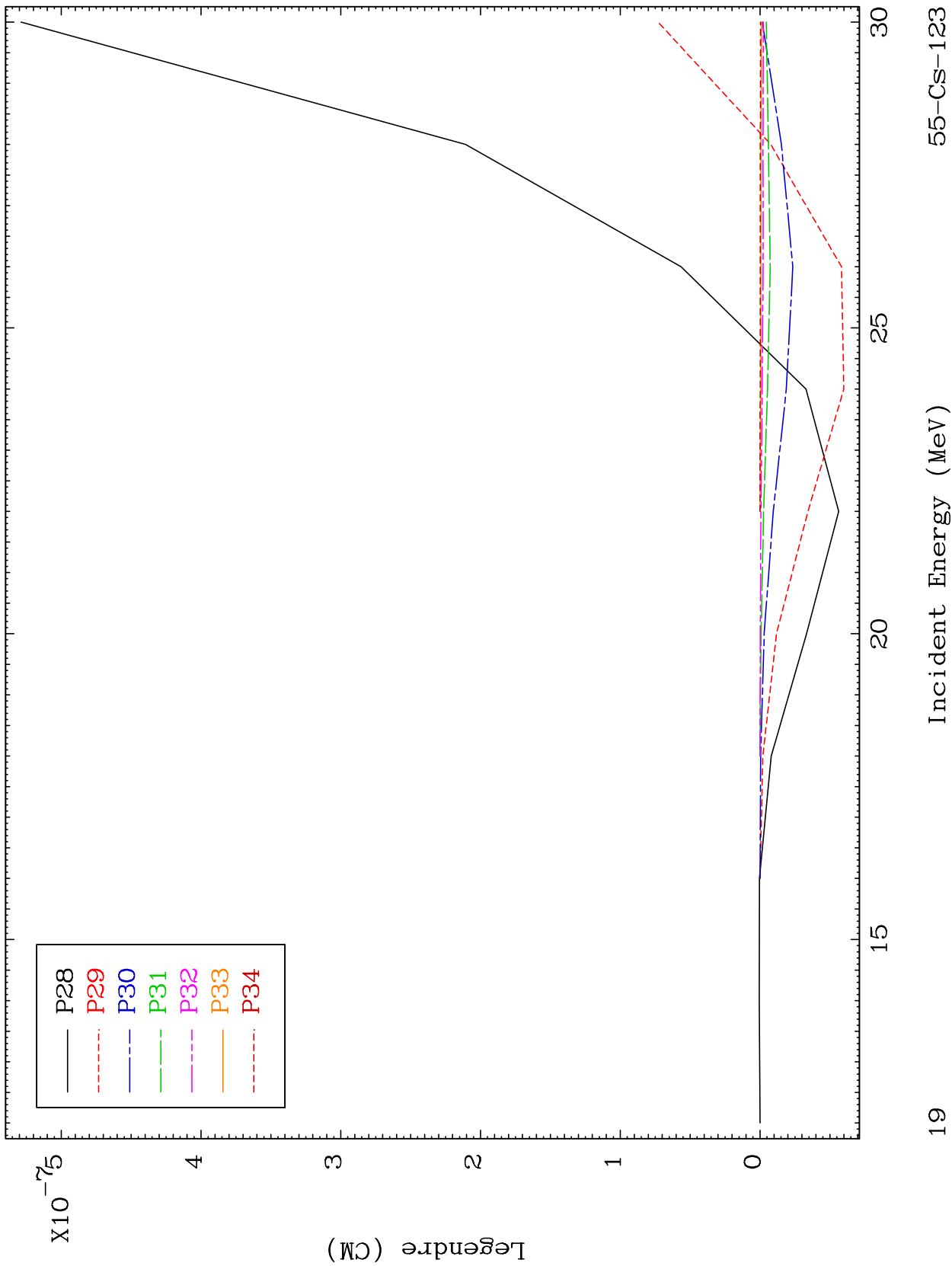
Incident Energy (MeV)

55-Cs-123

MAT 5495

Elastic  
Legendre Coefficients

55-Cs-123



19

Incident Energy (MeV)

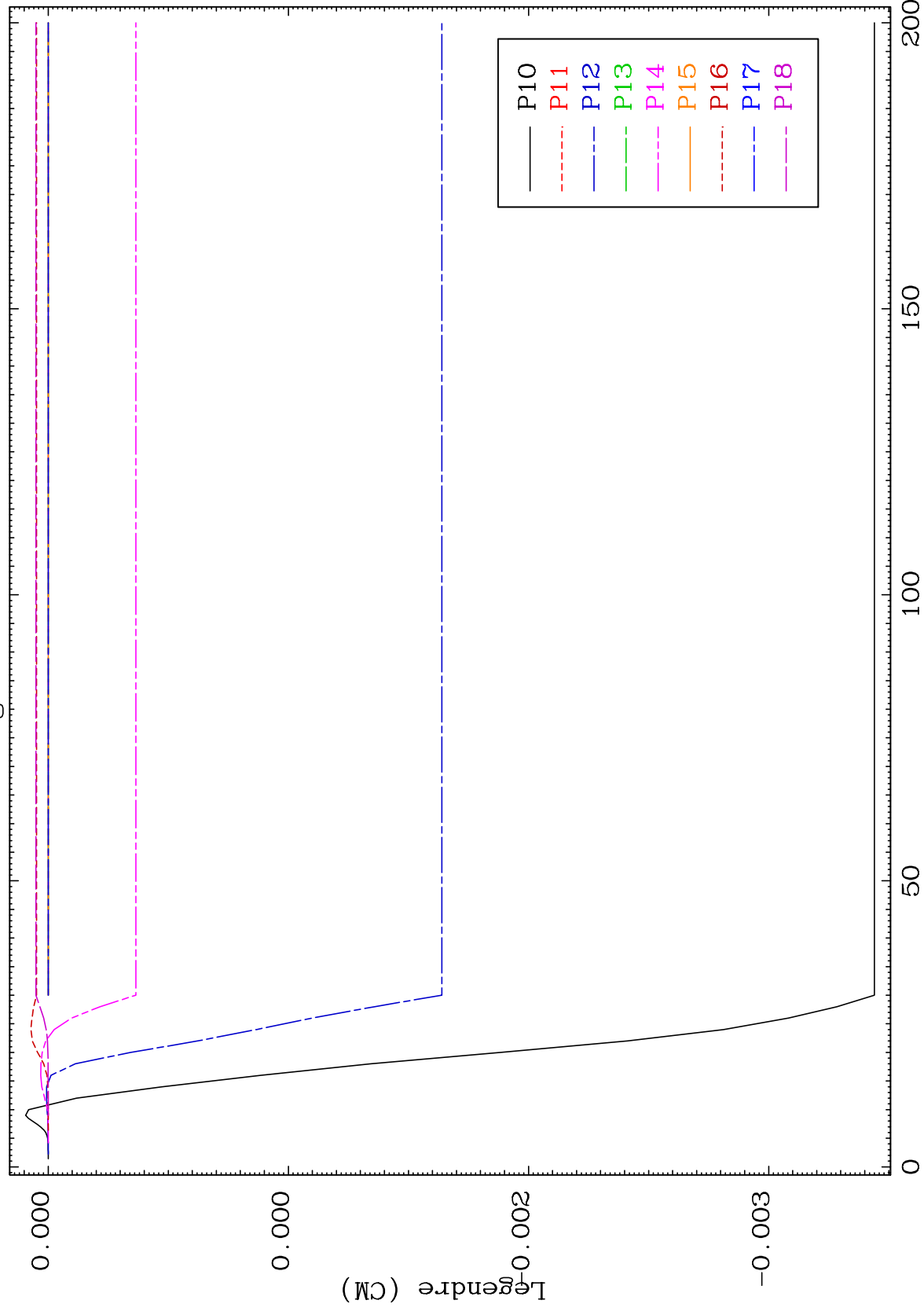
55-Cs-123



MAT 5495

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

55-Cs-123



21

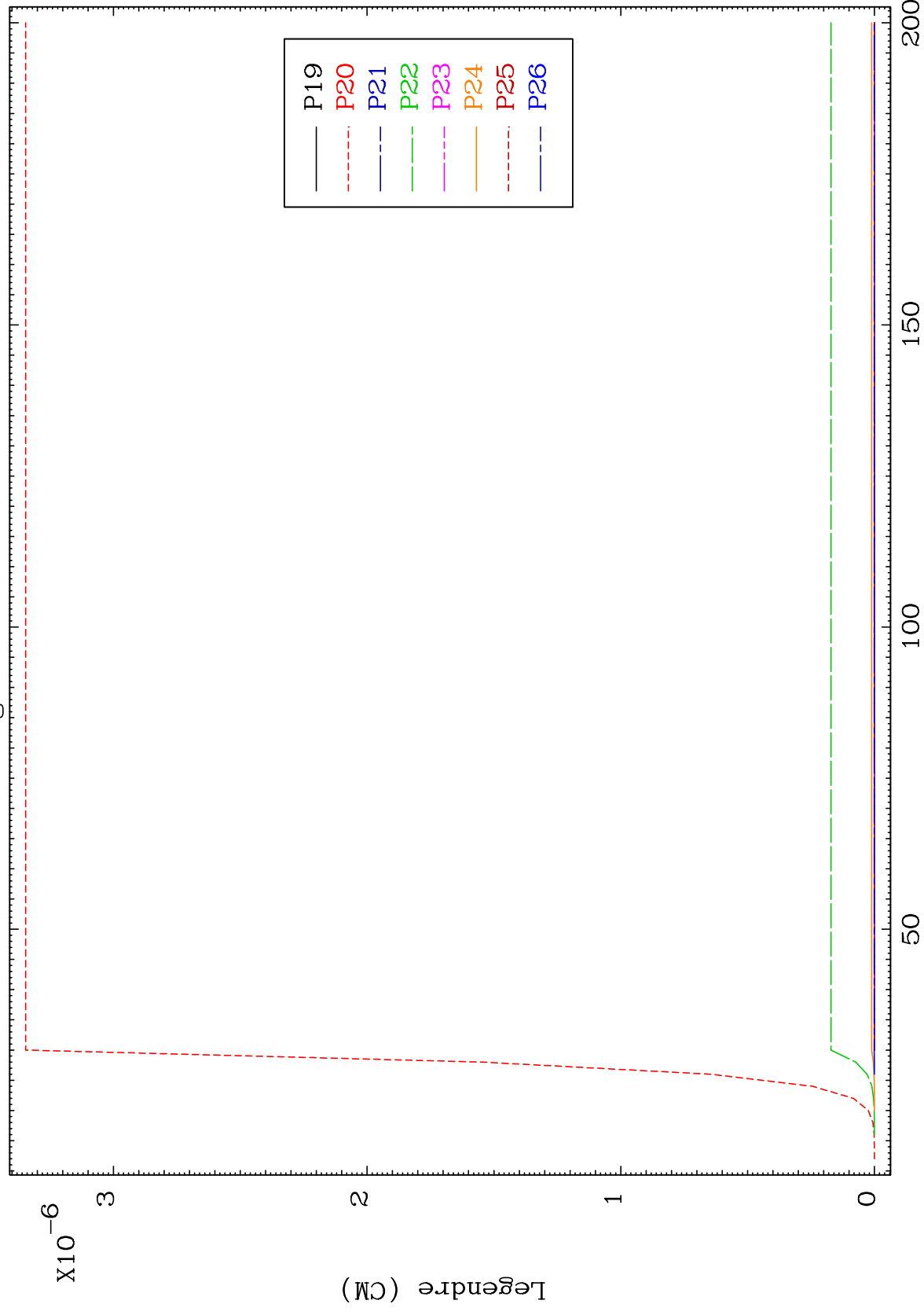
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

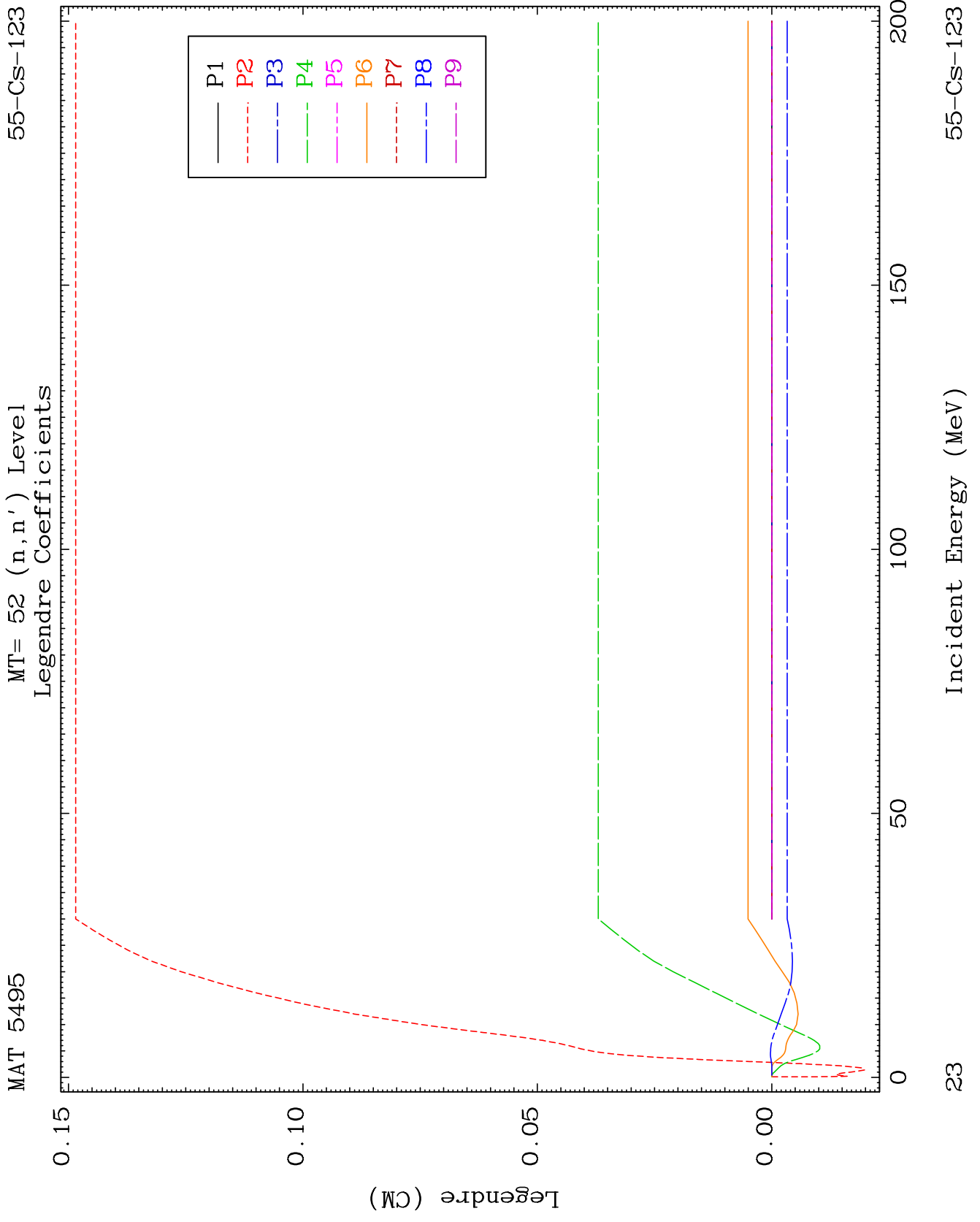
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22

Incident Energy (MeV)

55-Cs-123

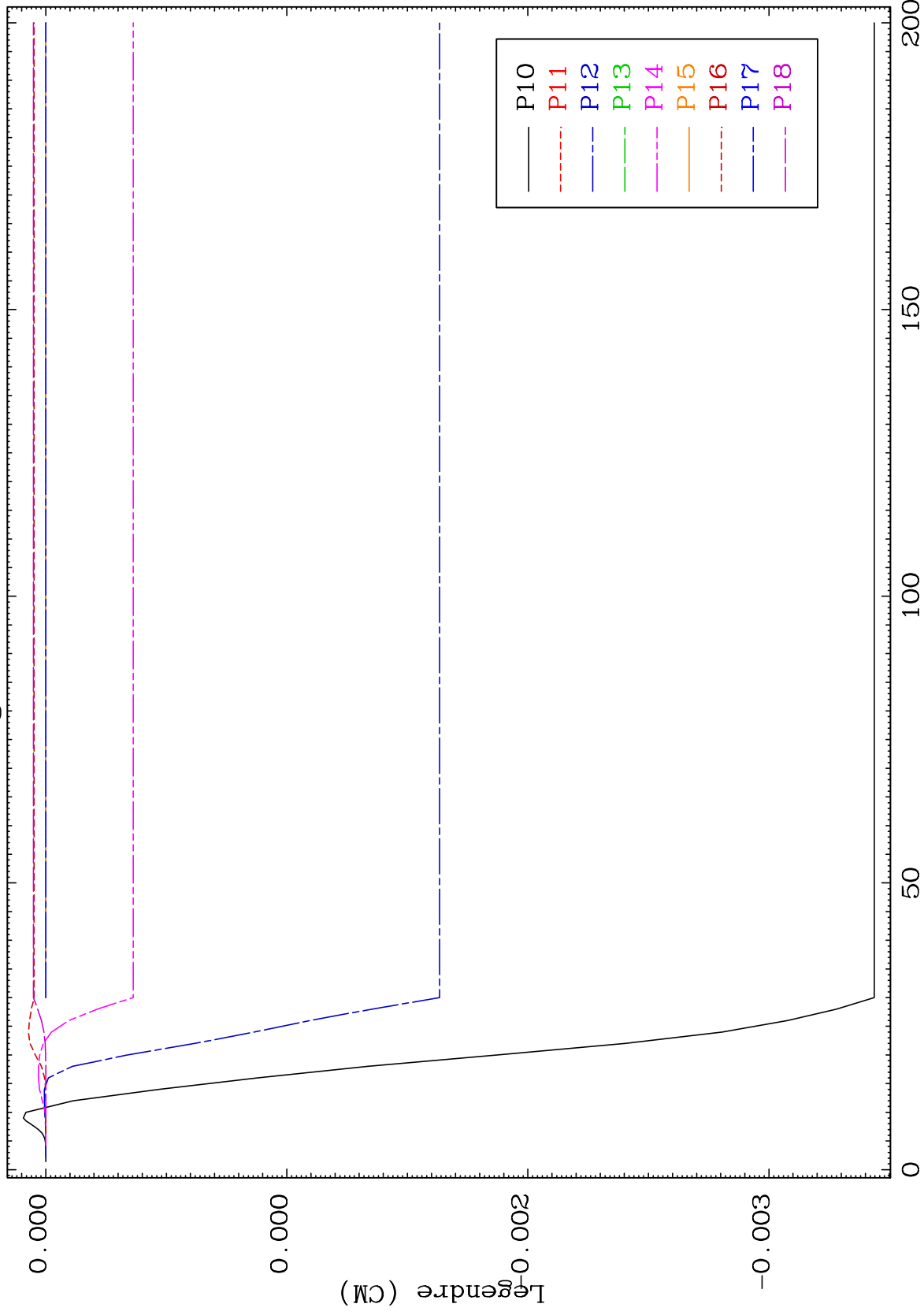




MAT 5495

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

55-Cs-123



24

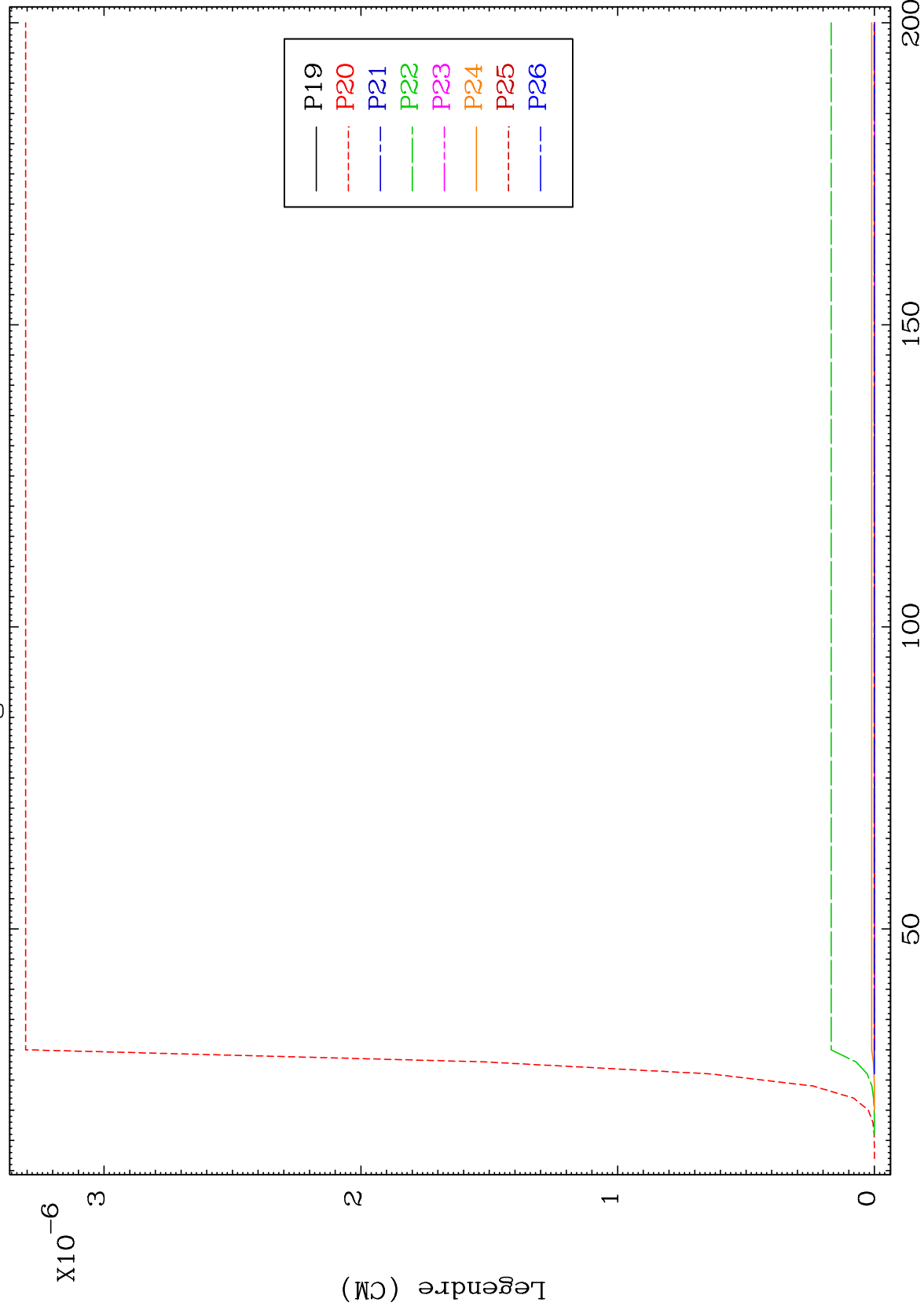
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



55-Cs-123

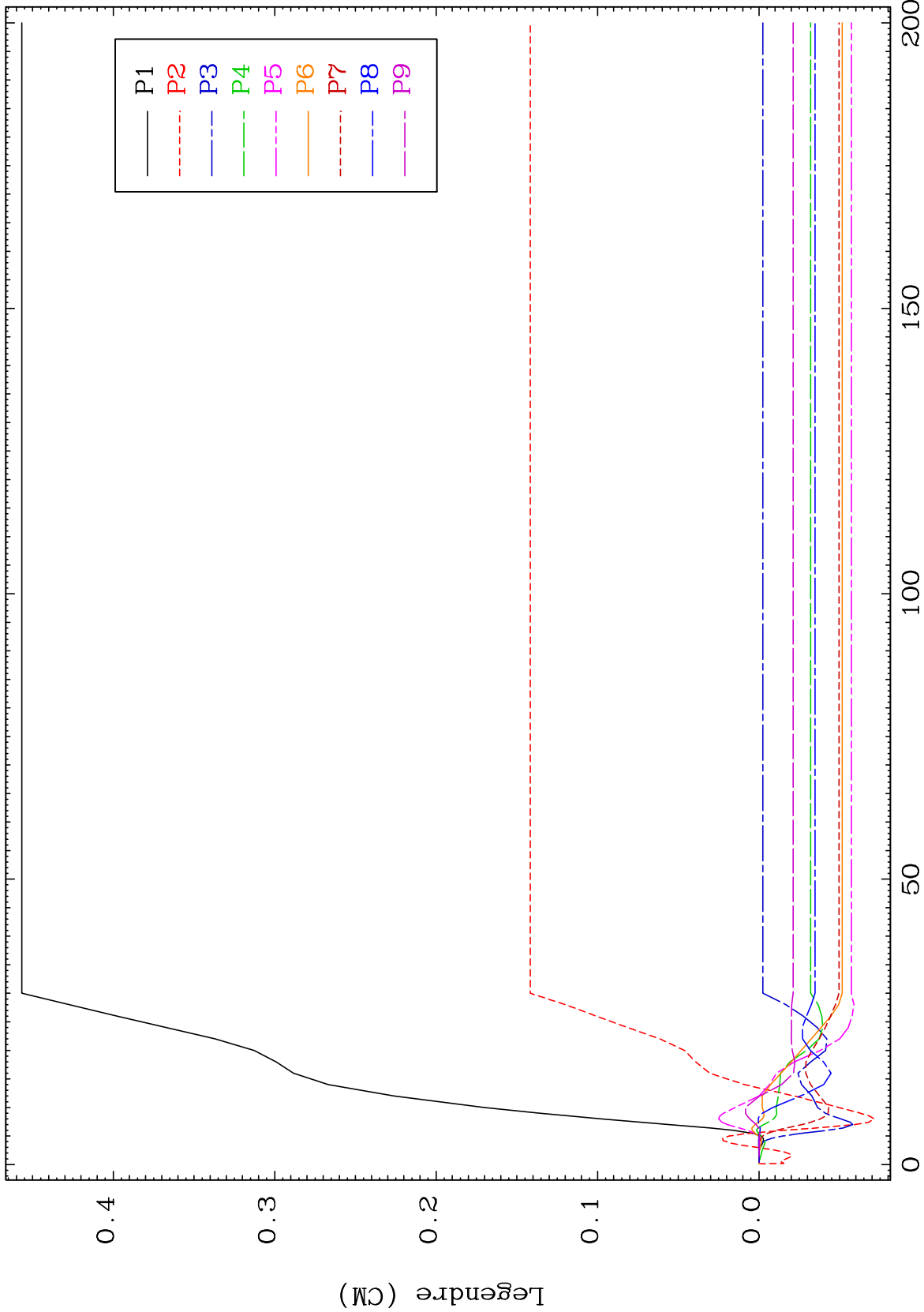
Incident Energy (MeV)

25

MAT 5495

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

55-Cs-123



26

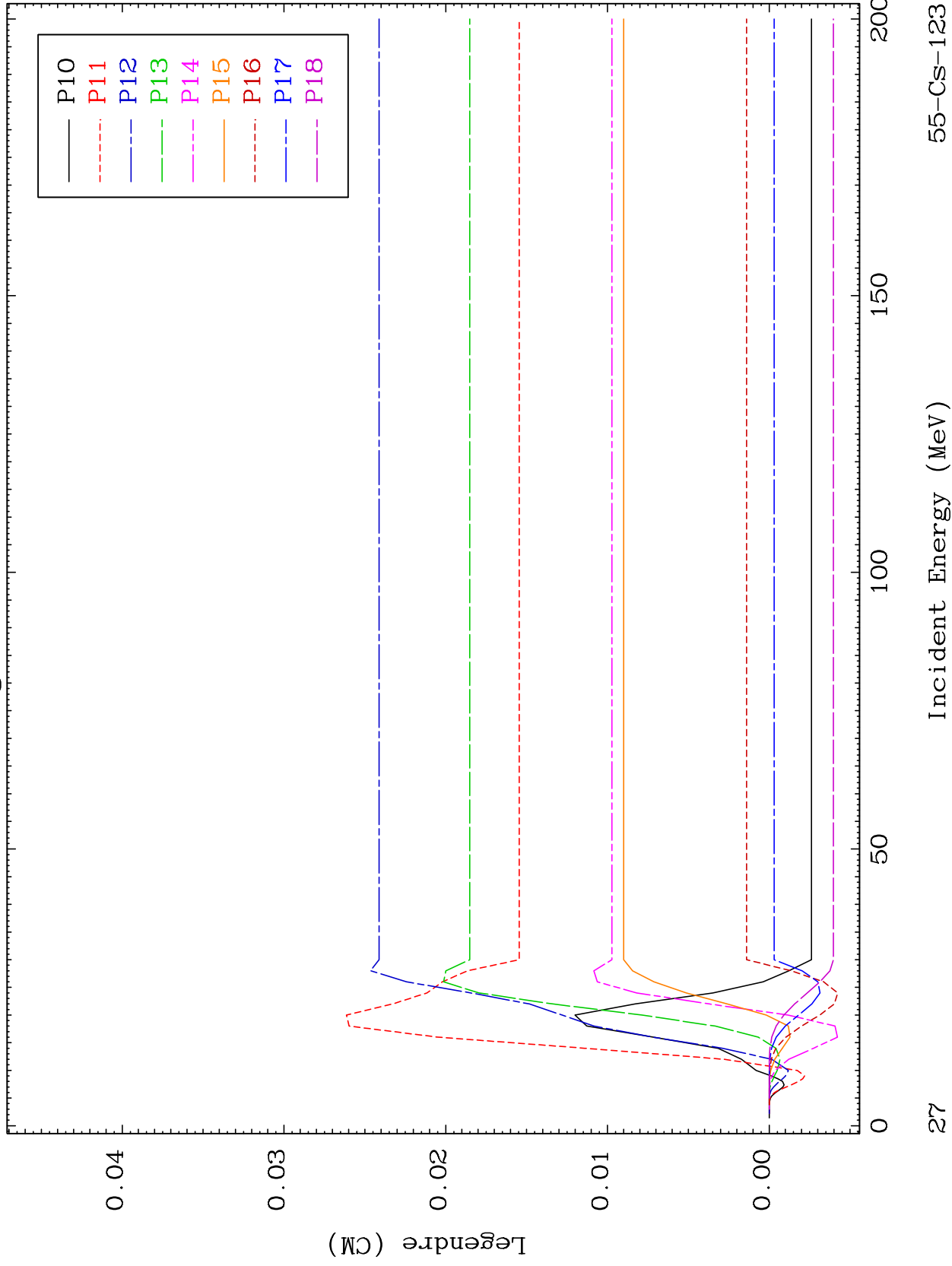
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



27

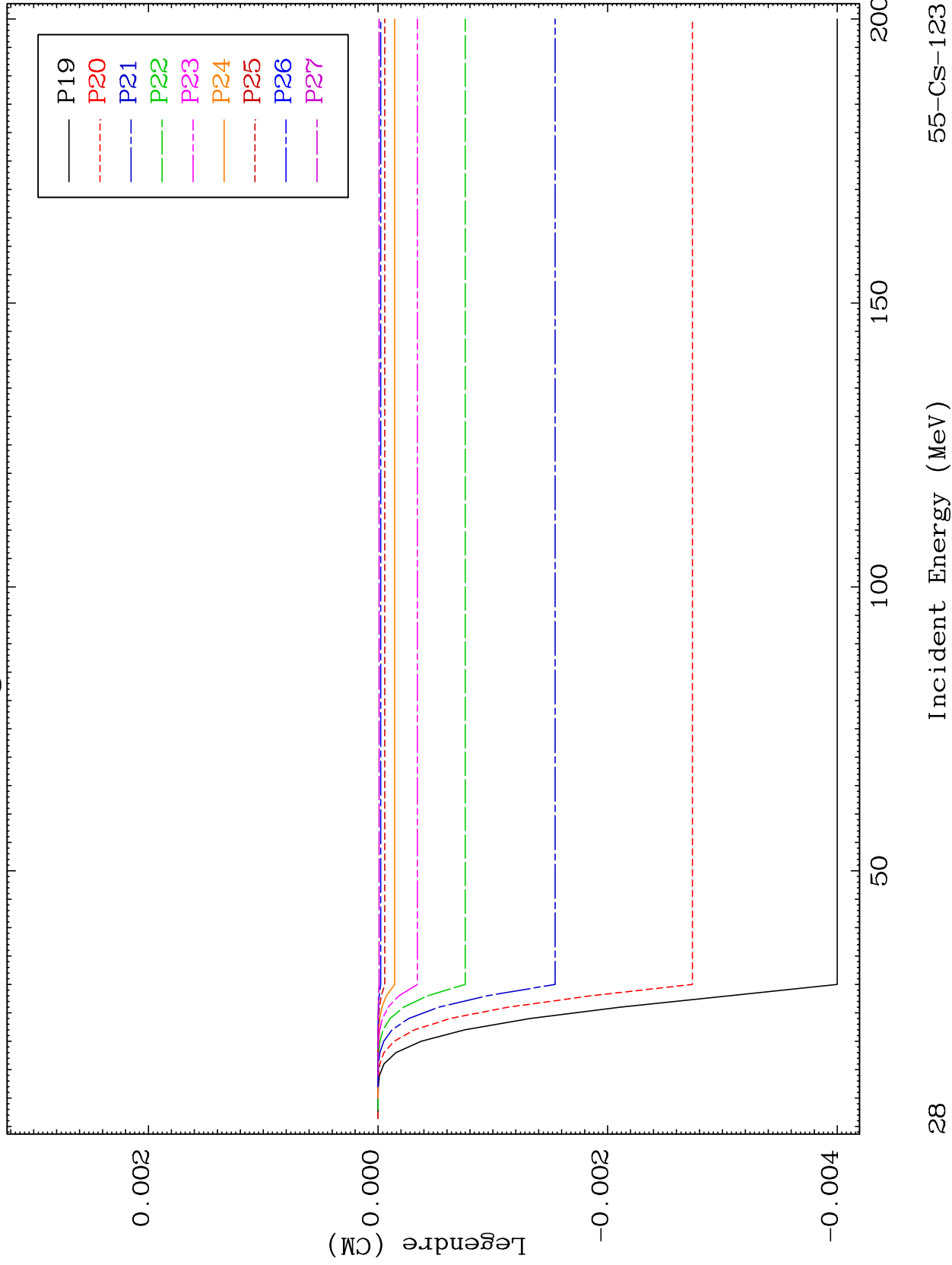
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



28

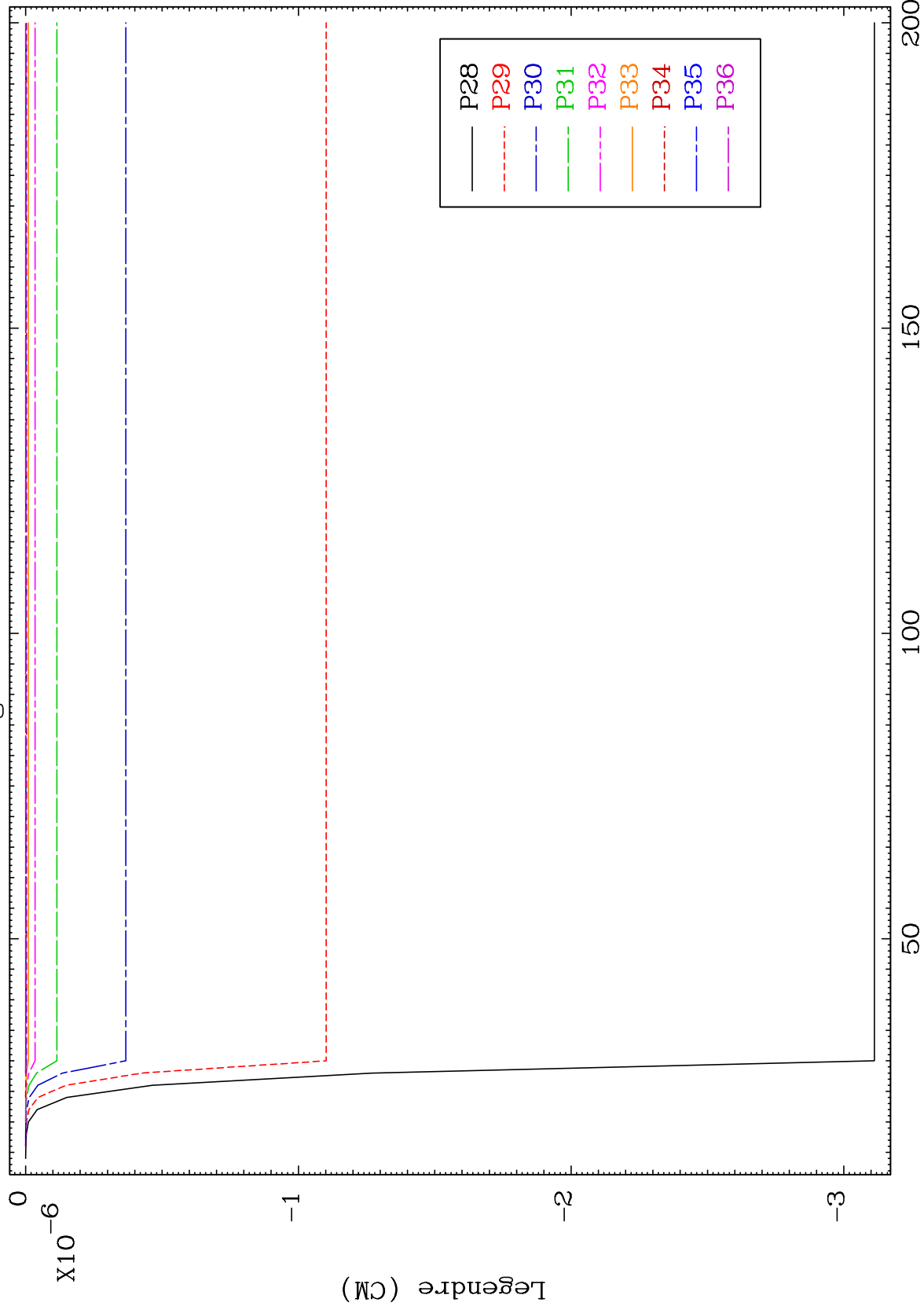
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



29

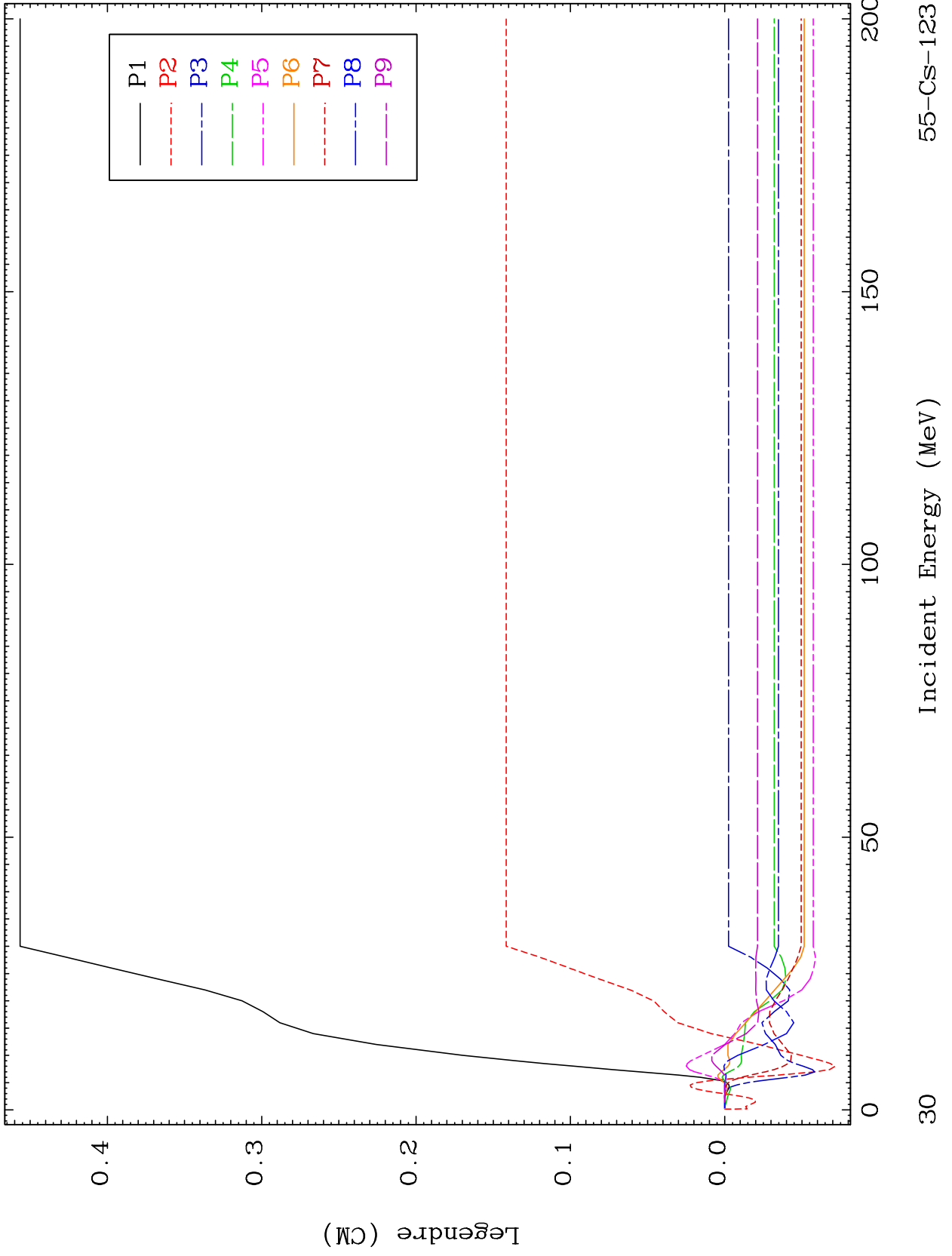
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



55-Cs-123

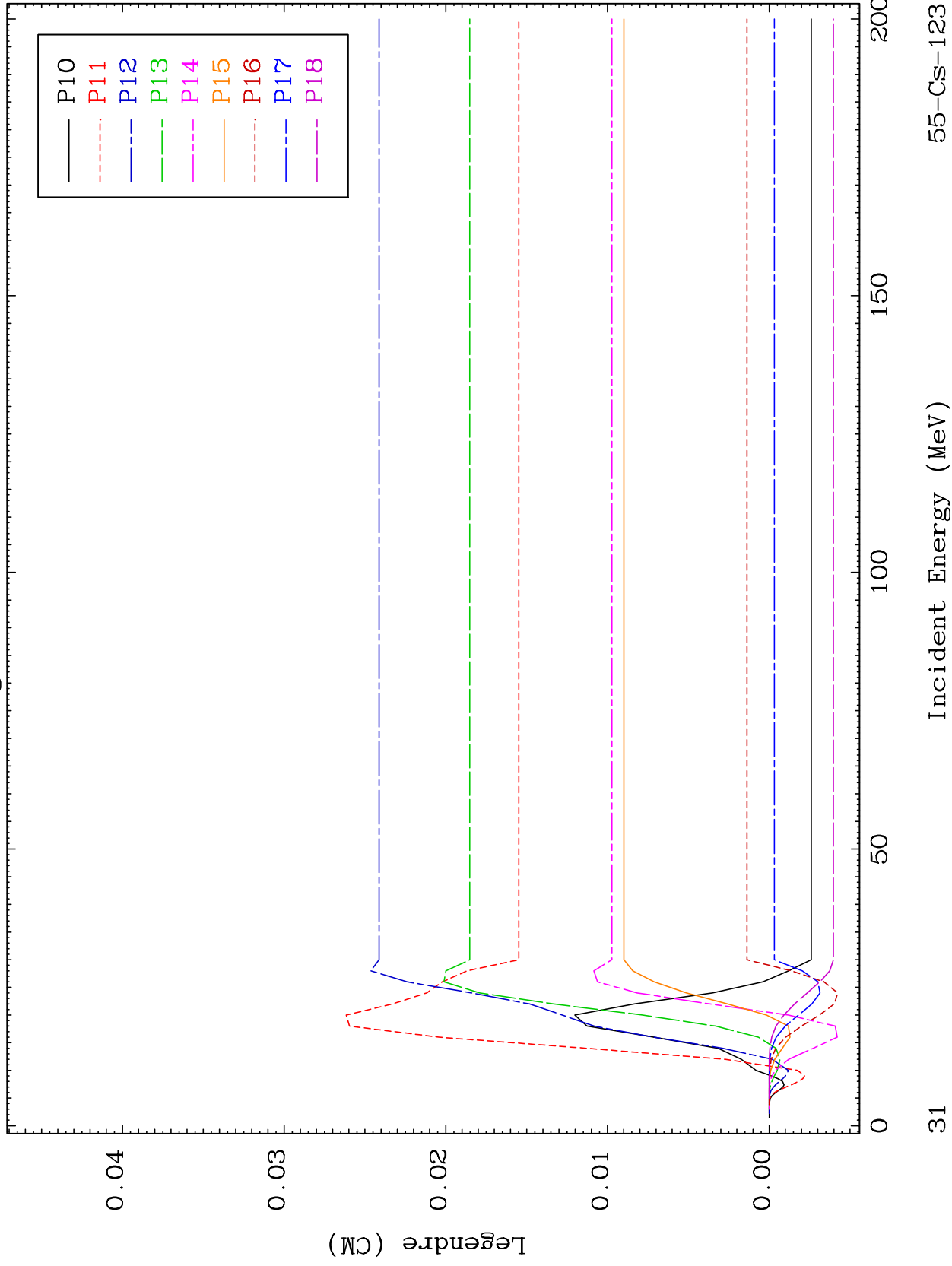
Incident Energy (MeV)

30

MAT 5495

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

55-Cs-123



31

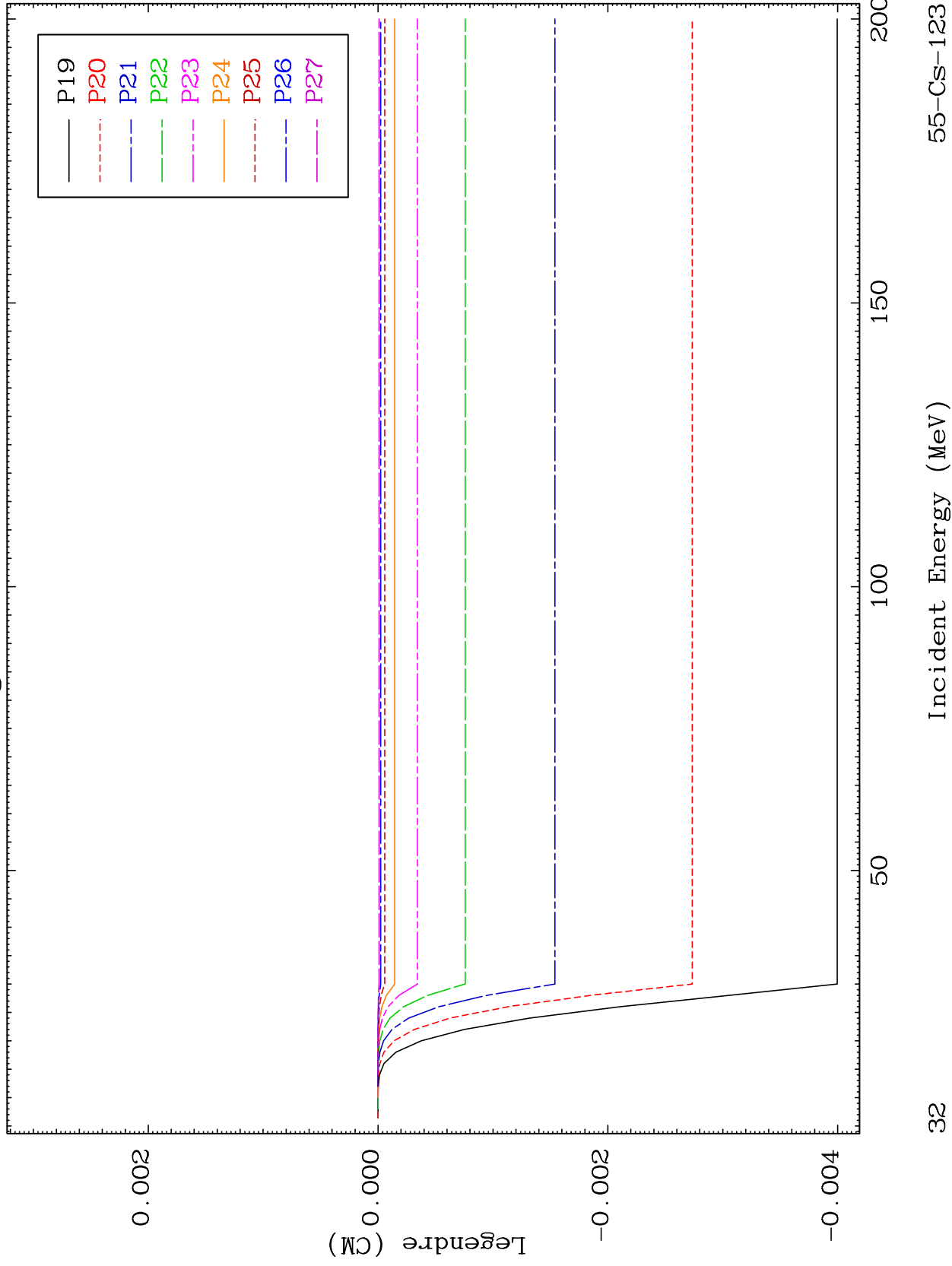
55-Cs-123



MAT 5495

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

55-Cs-123



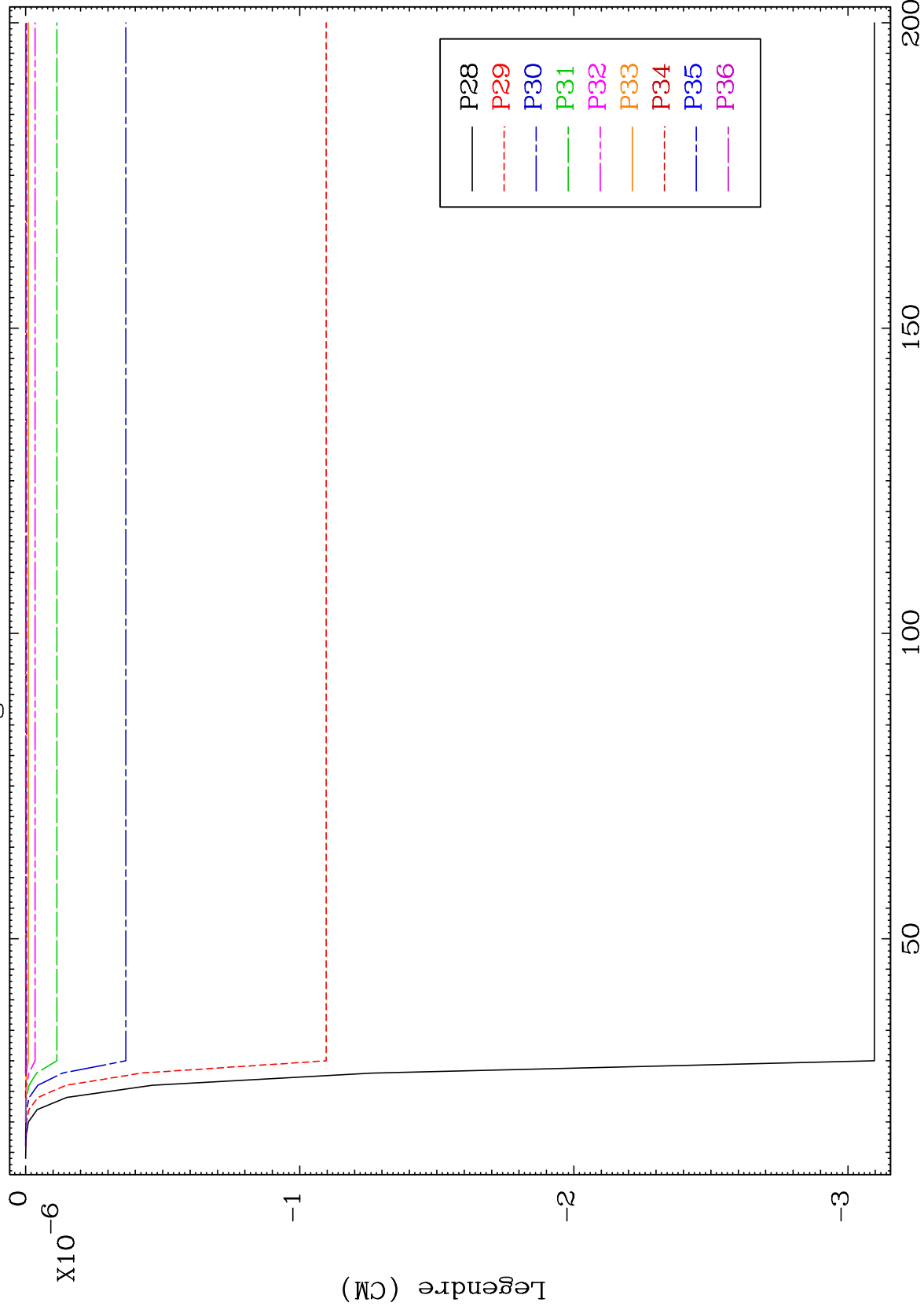
32

55-Cs-123

MAT 5495

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

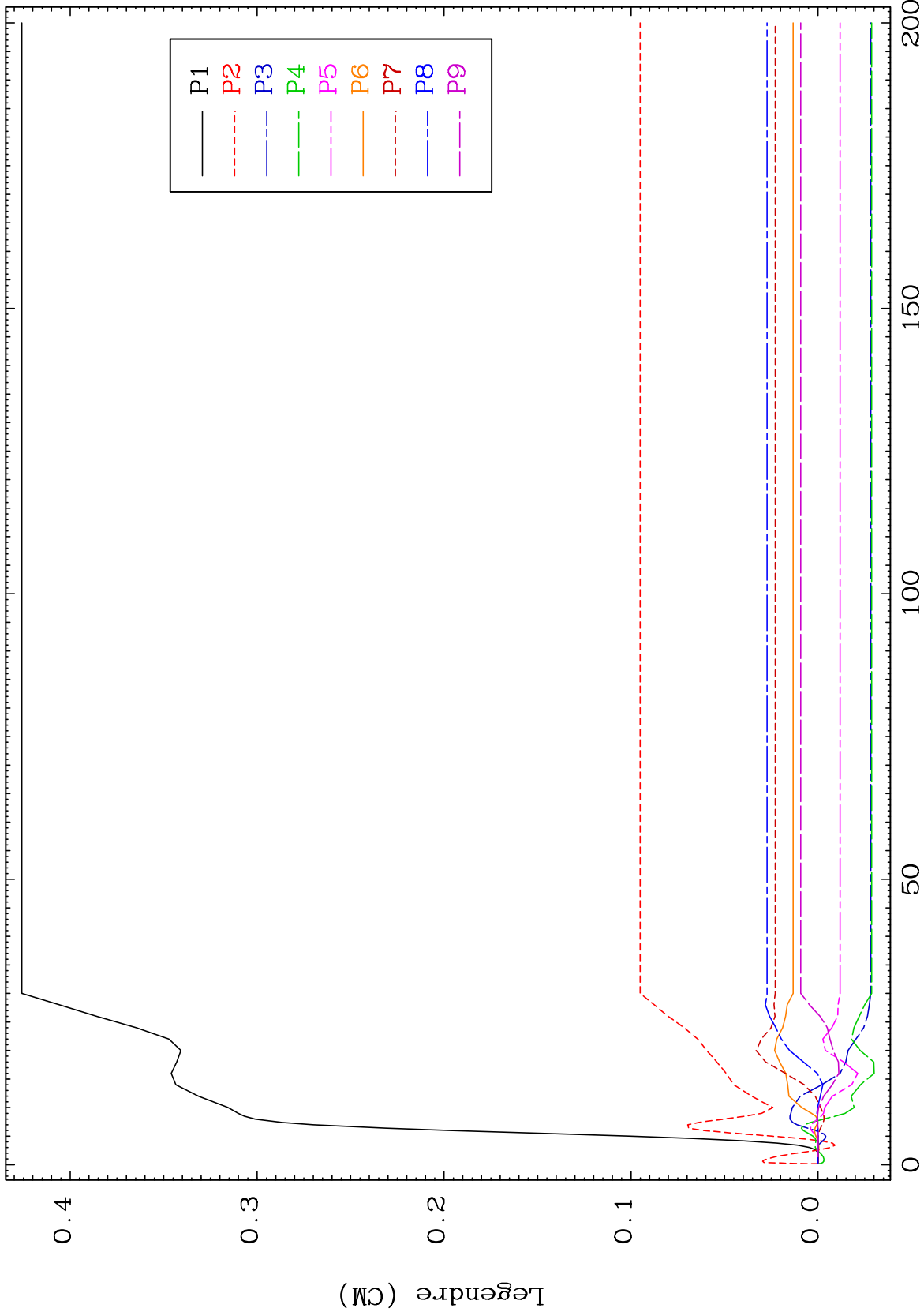
55-Cs-123



MAT 5495

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

55-Cs-123



34

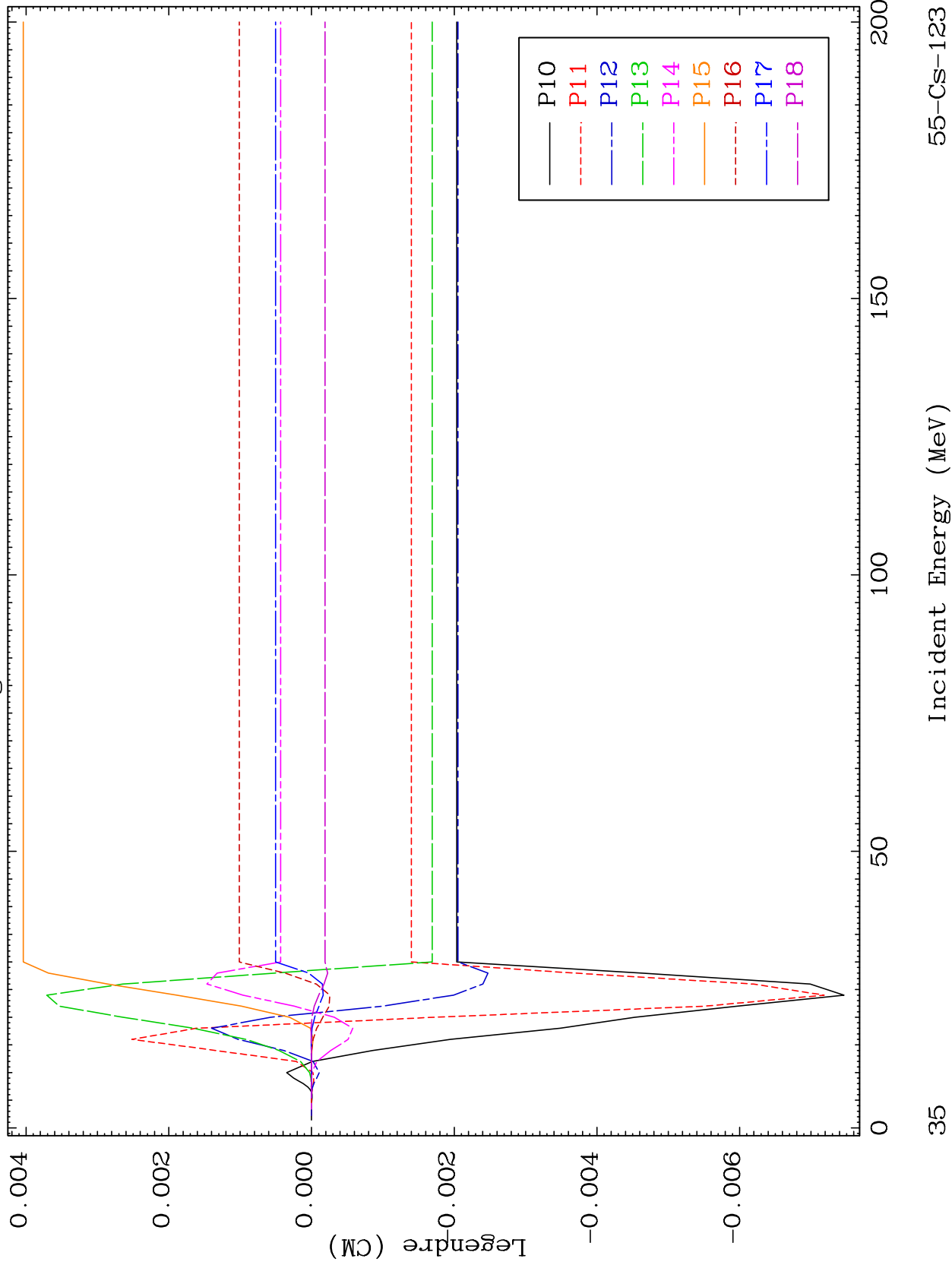
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



55-Cs-123

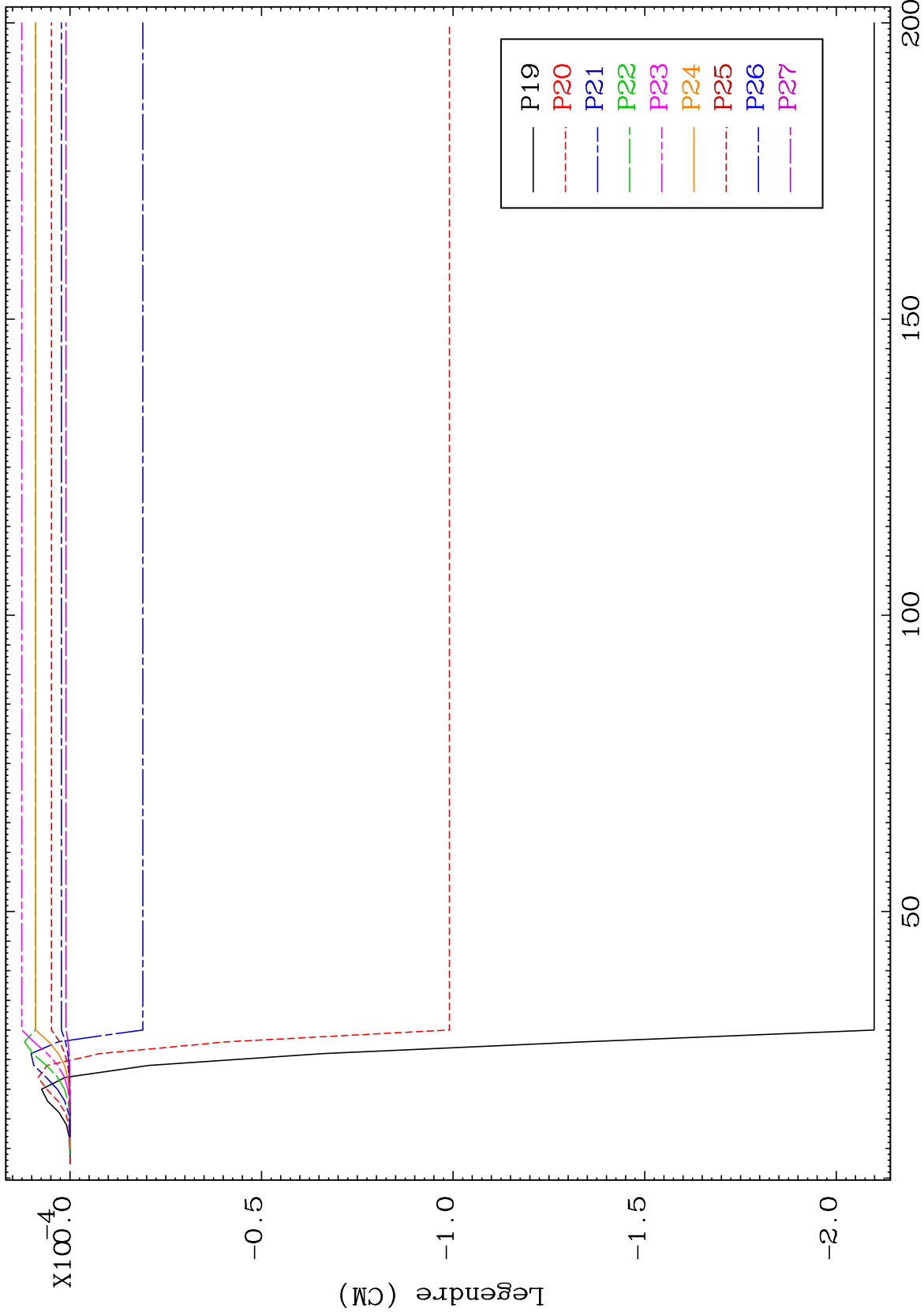
Incident Energy (MeV)

35

MAT 5495

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

55-Cs-123

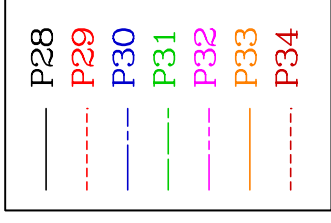


MAT 5495

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

55-Cs-123

$\times 10^{-7}$

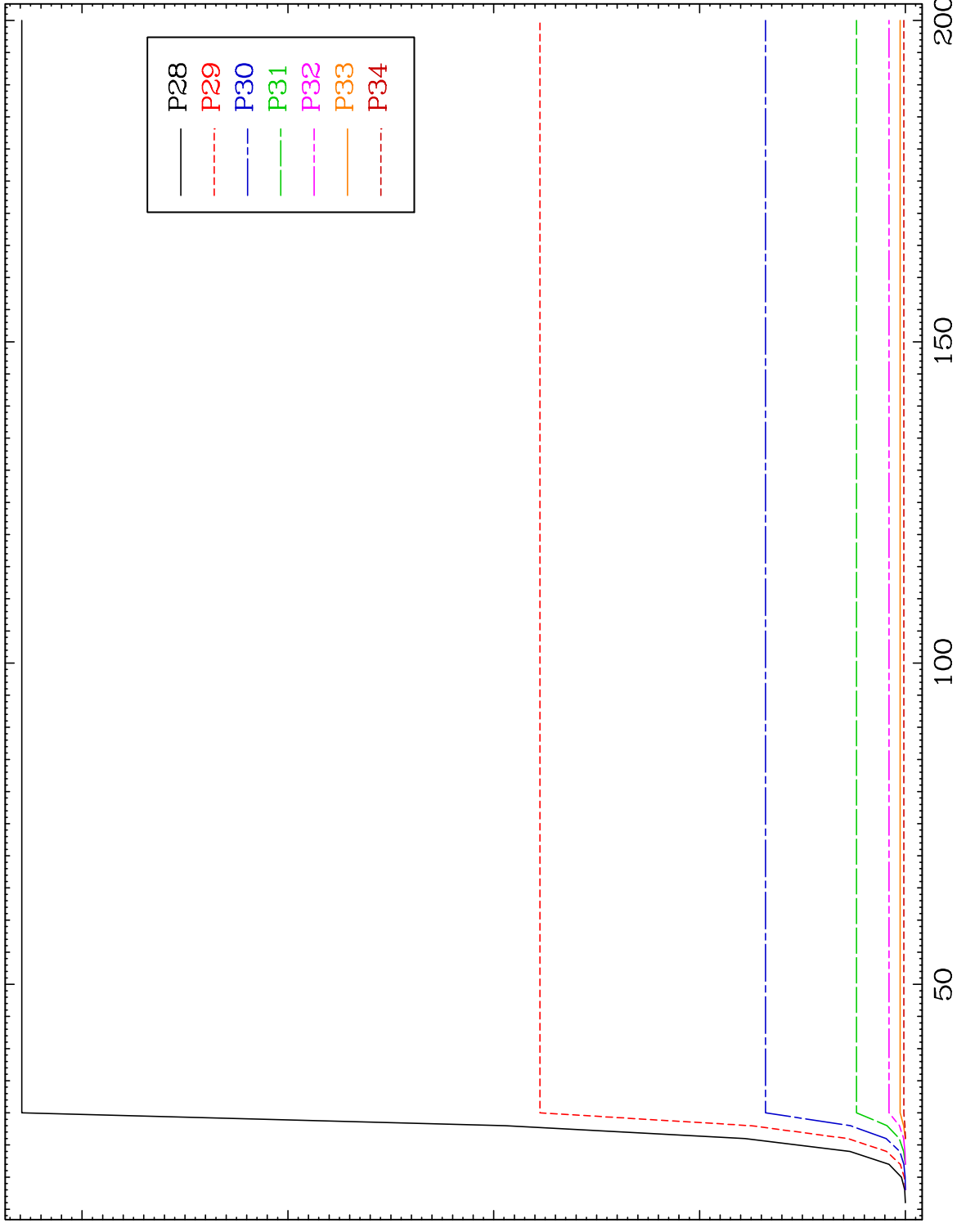


Legendre (CM)

37

Incident Energy (MeV)

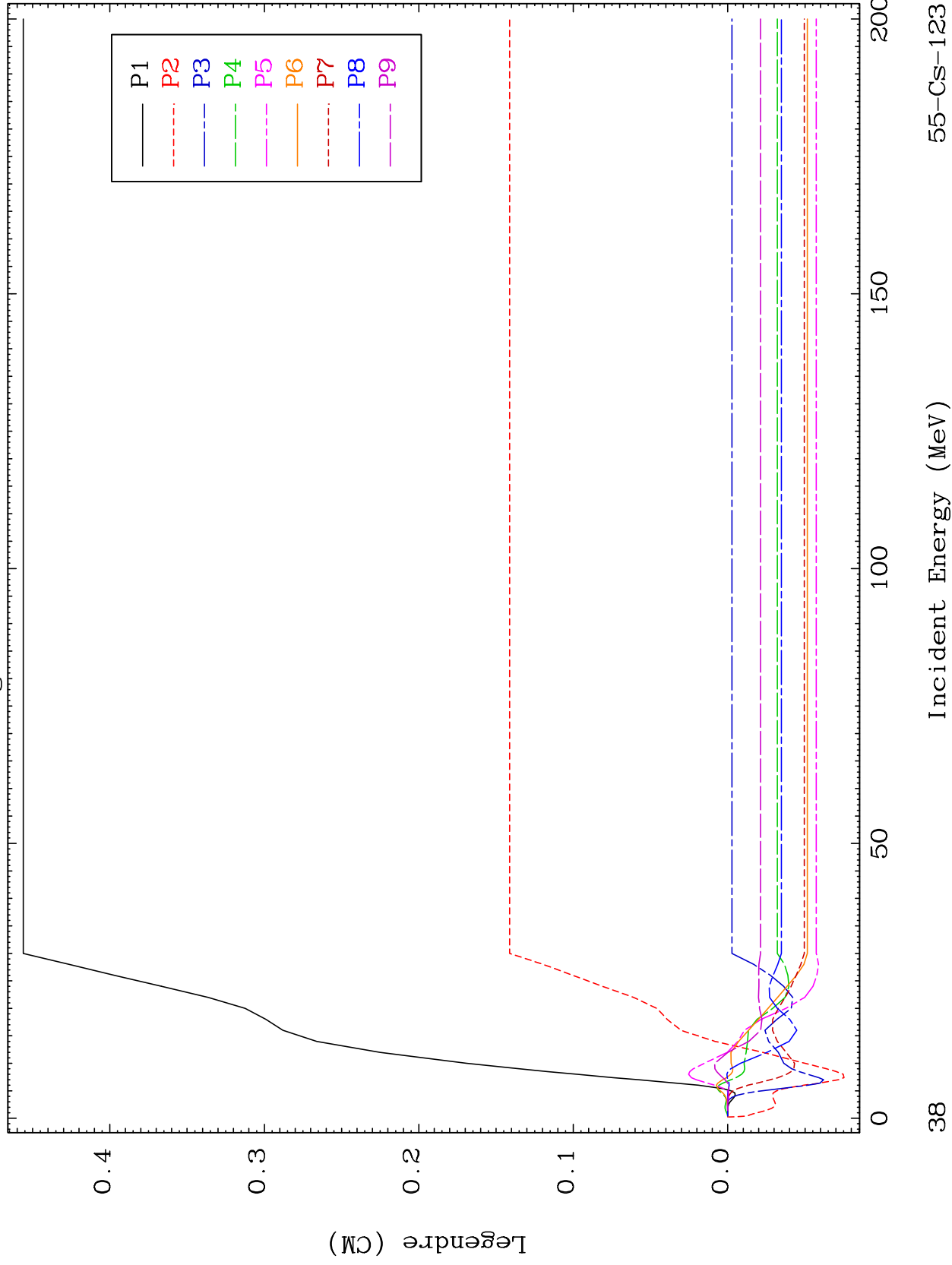
55-Cs-123



MAT 5495

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

55-Cs-123



55-Cs-123

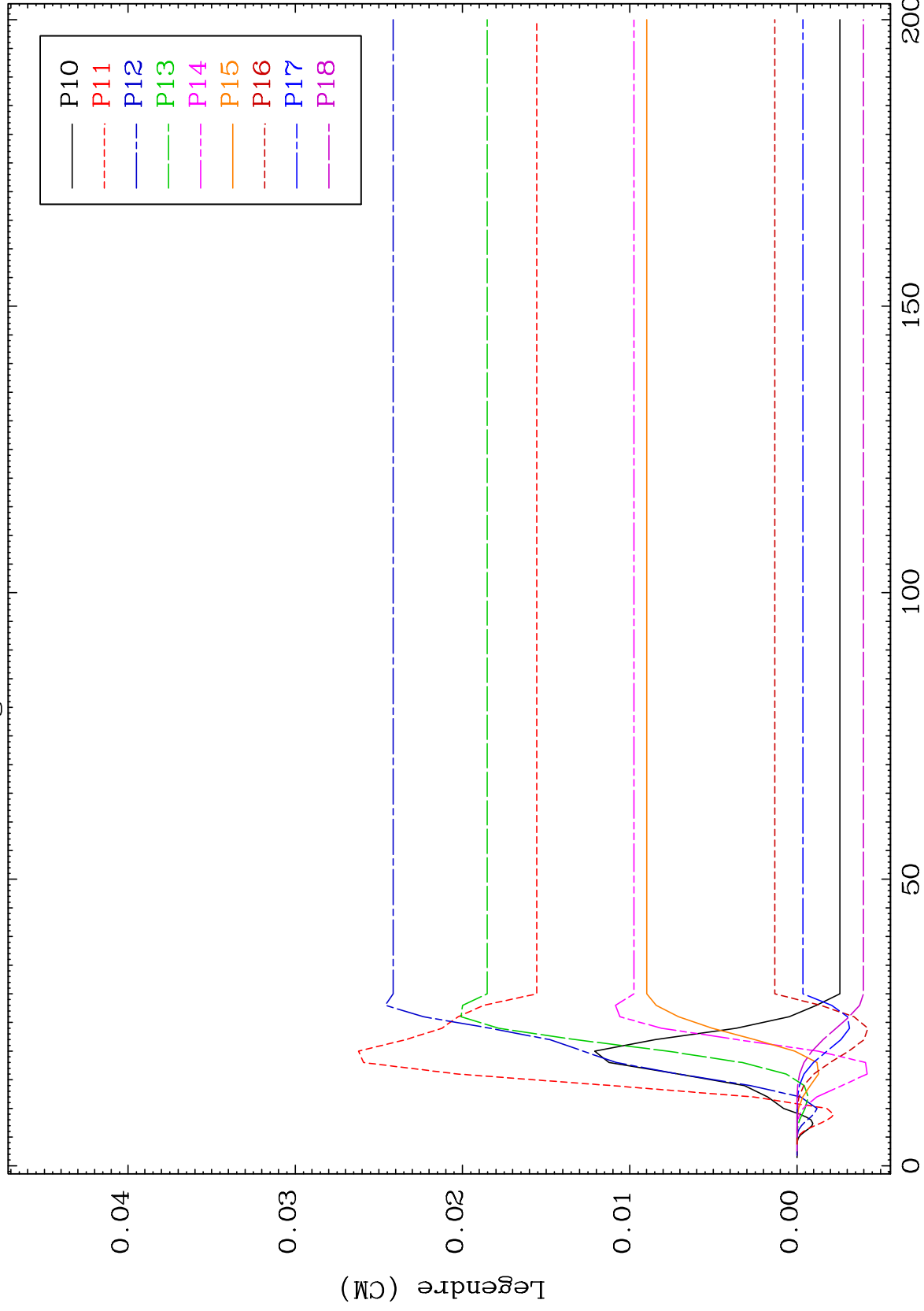
Incident Energy (MeV)

38

MAT 5495

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

55-Cs-123



39

Incident Energy (MeV)

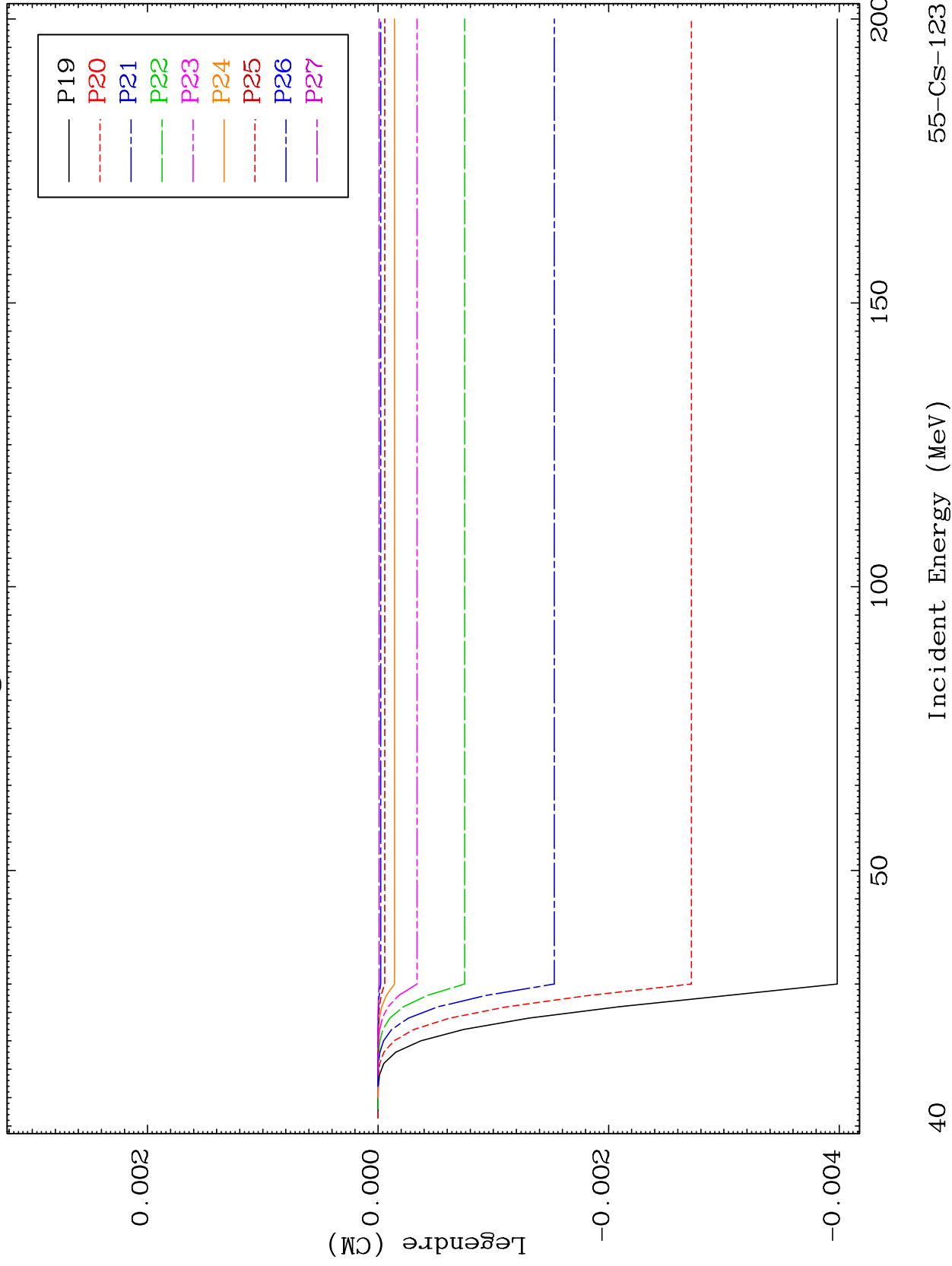
55-Cs-123



MAT 5495

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

55-Cs-123



55-Cs-123

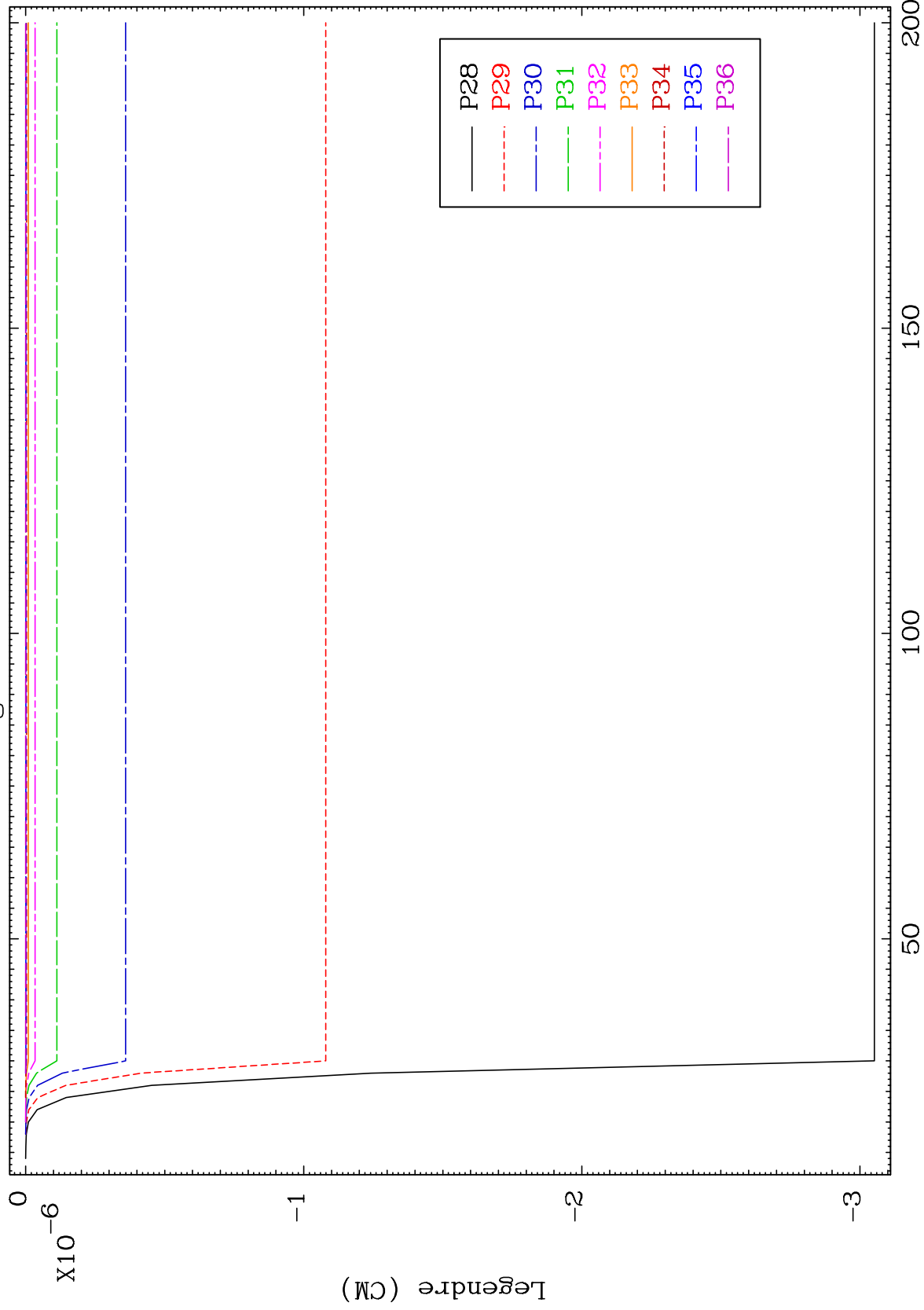
Incident Energy (MeV)

40

MAT 5495

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

55-Cs-123



41

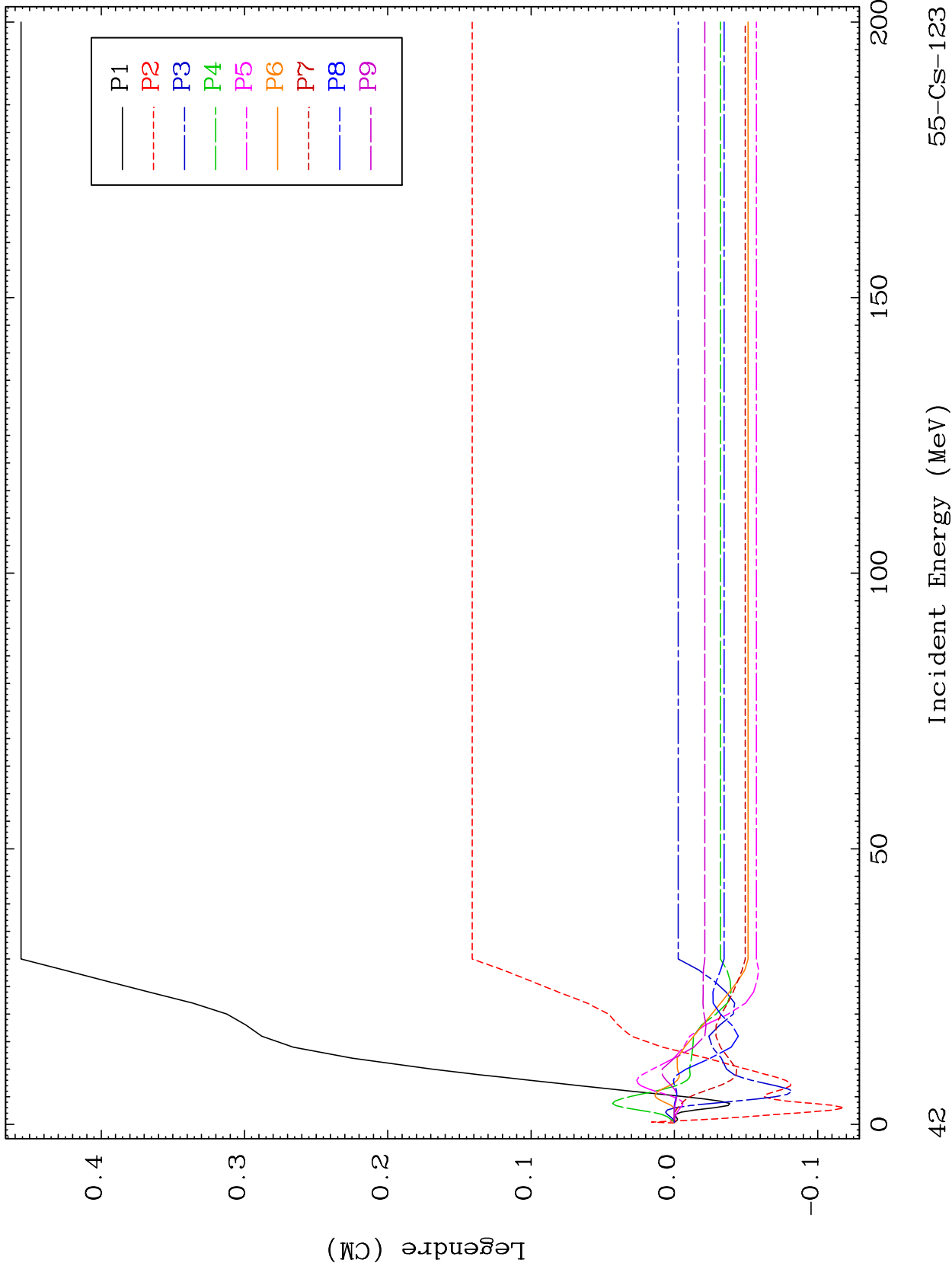
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



55-Cs-123

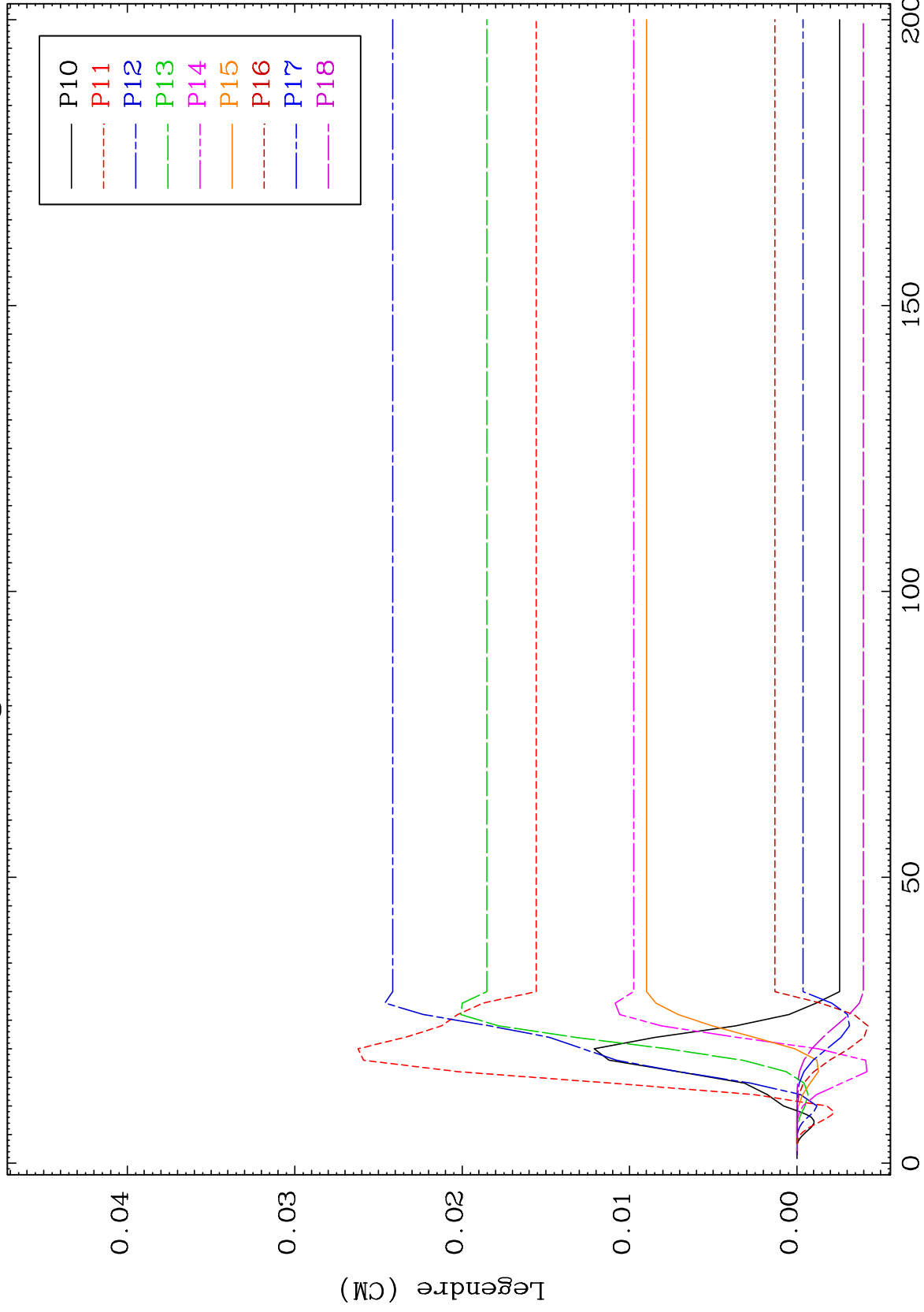
Incident Energy (MeV)

42

MAT 5495

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

55-Cs-123



43

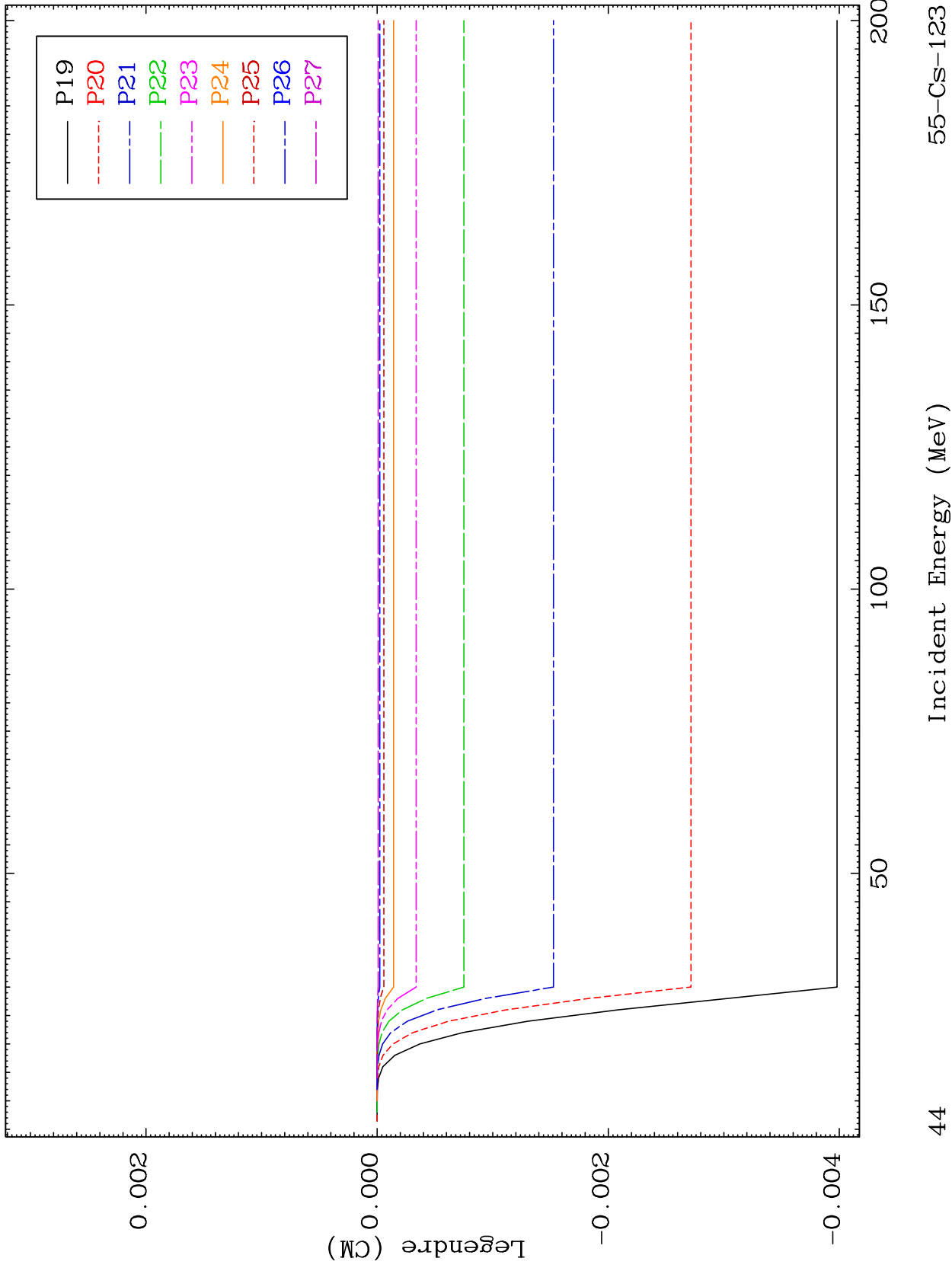
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



44

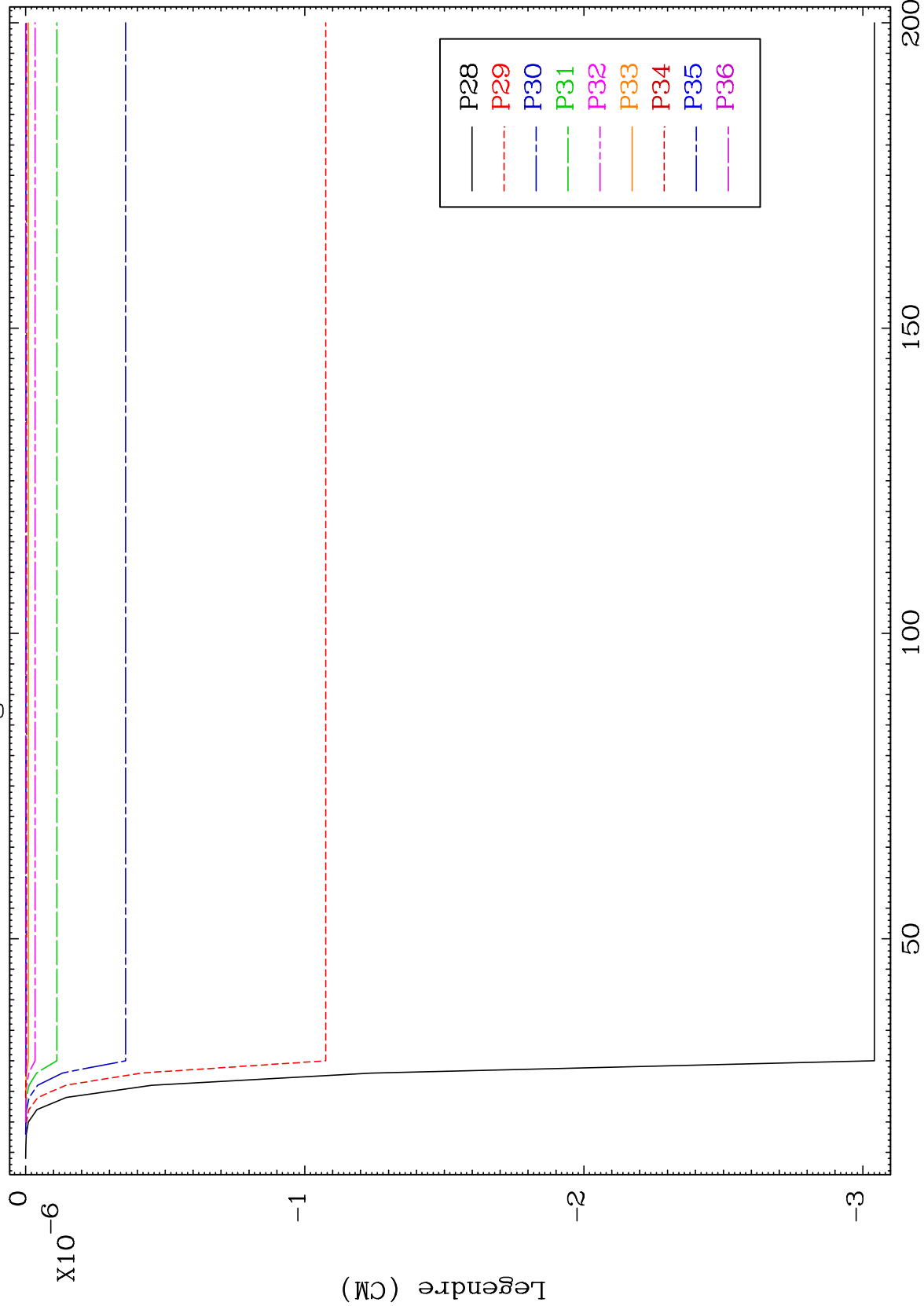
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



45

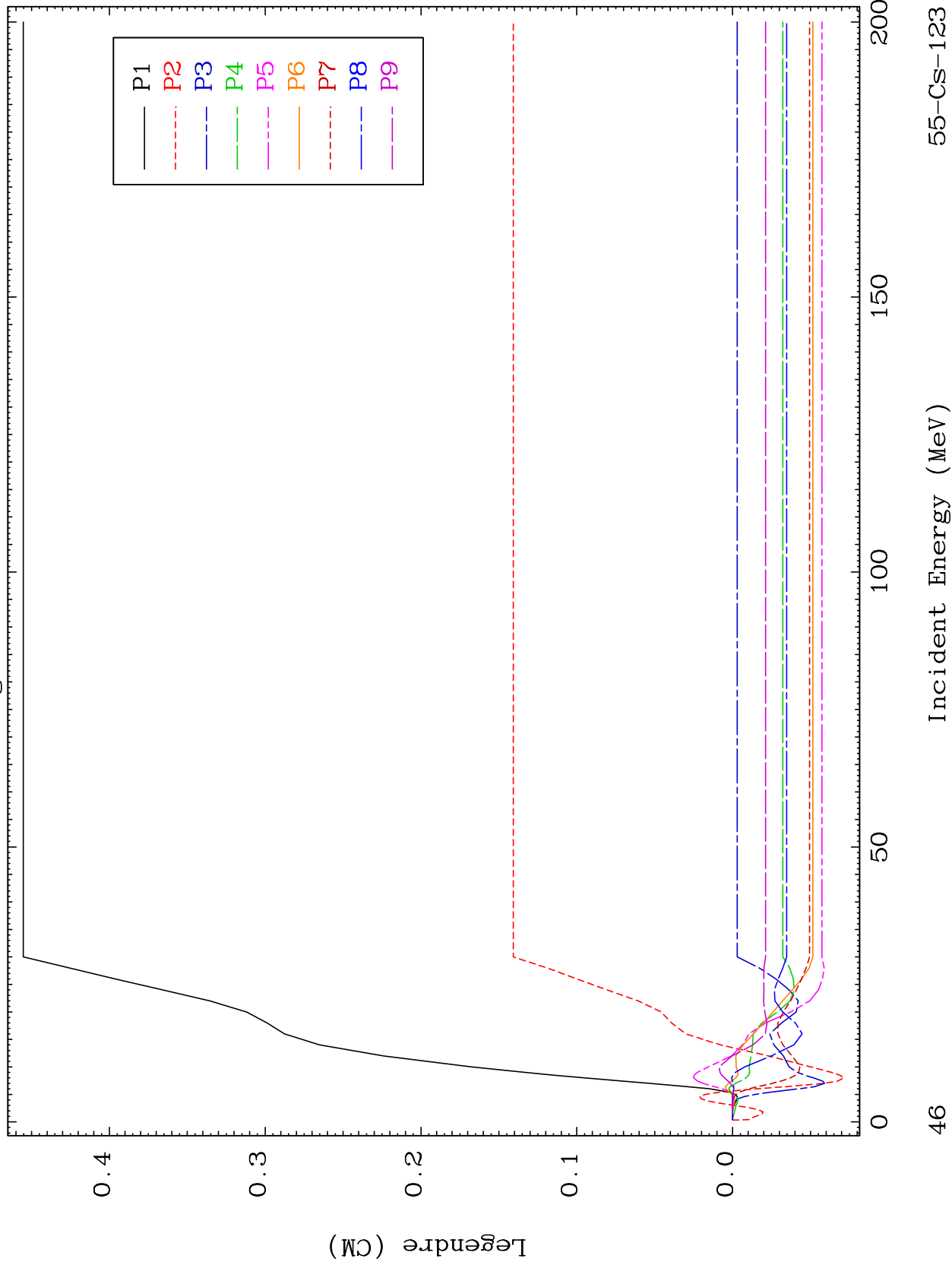
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



55-Cs-123

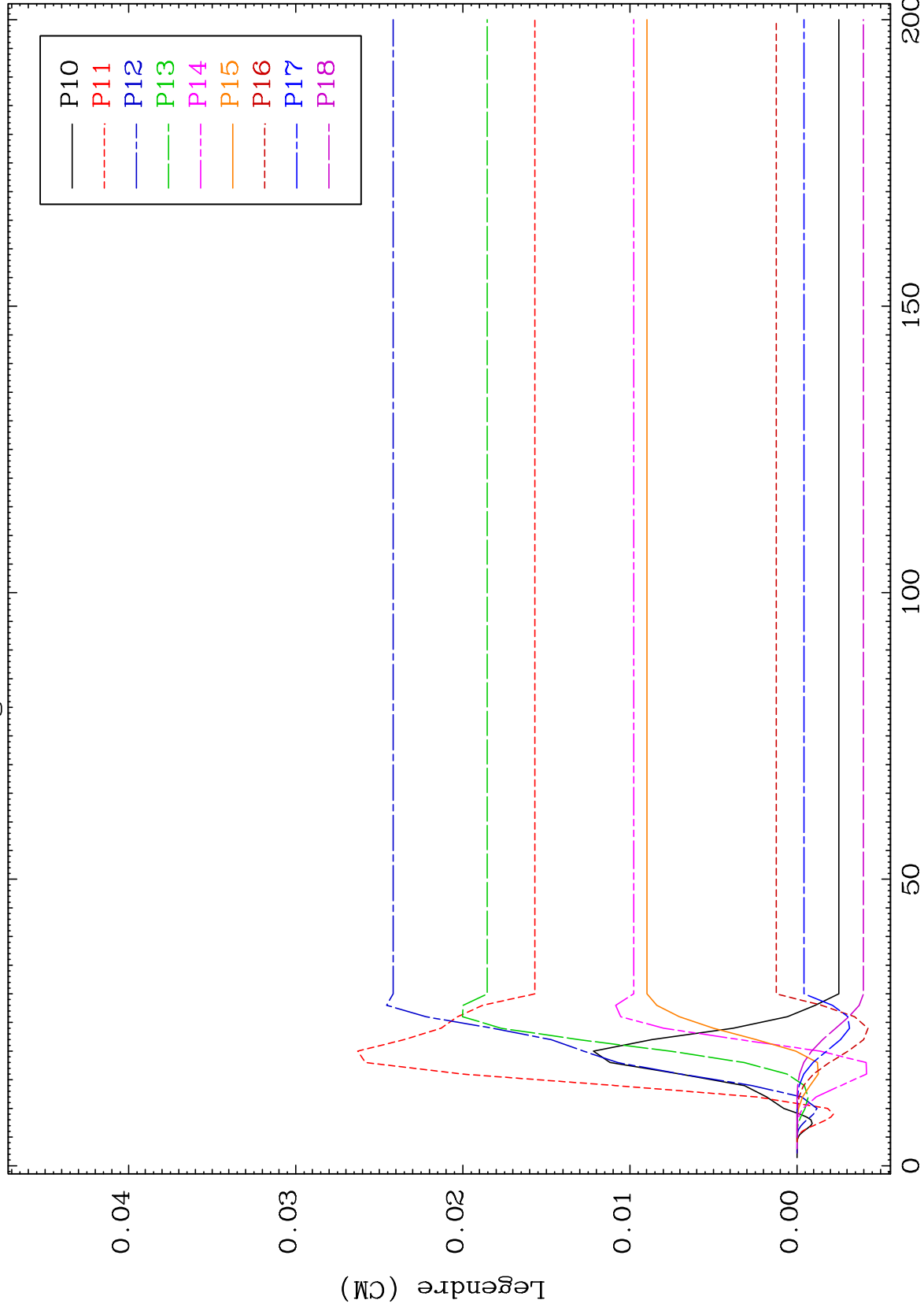
Incident Energy (MeV)

46

MAT 5495

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

55-Cs-123



47

Incident Energy (MeV)

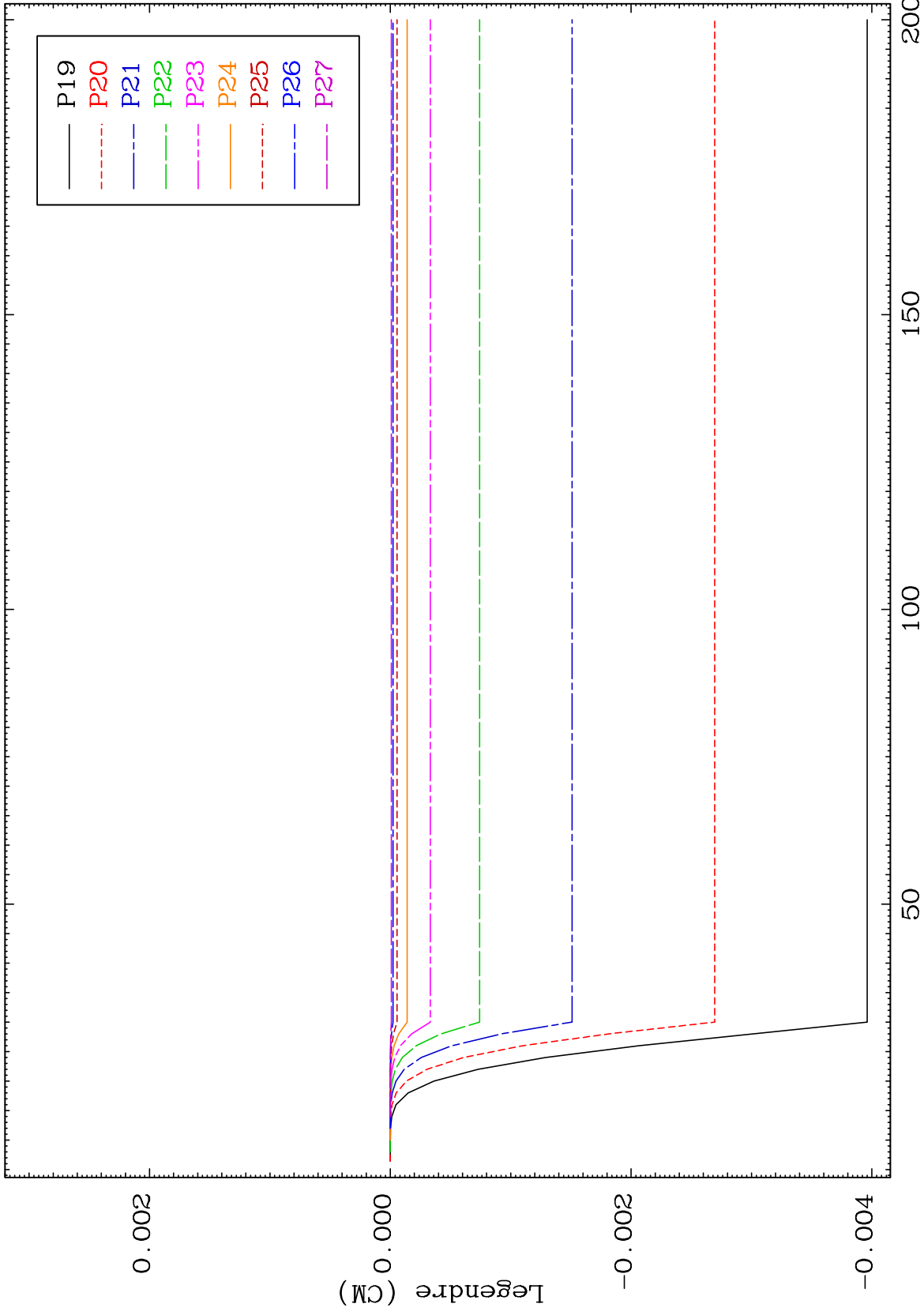
55-Cs-123



MAT 5495

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

55-Cs-123



48

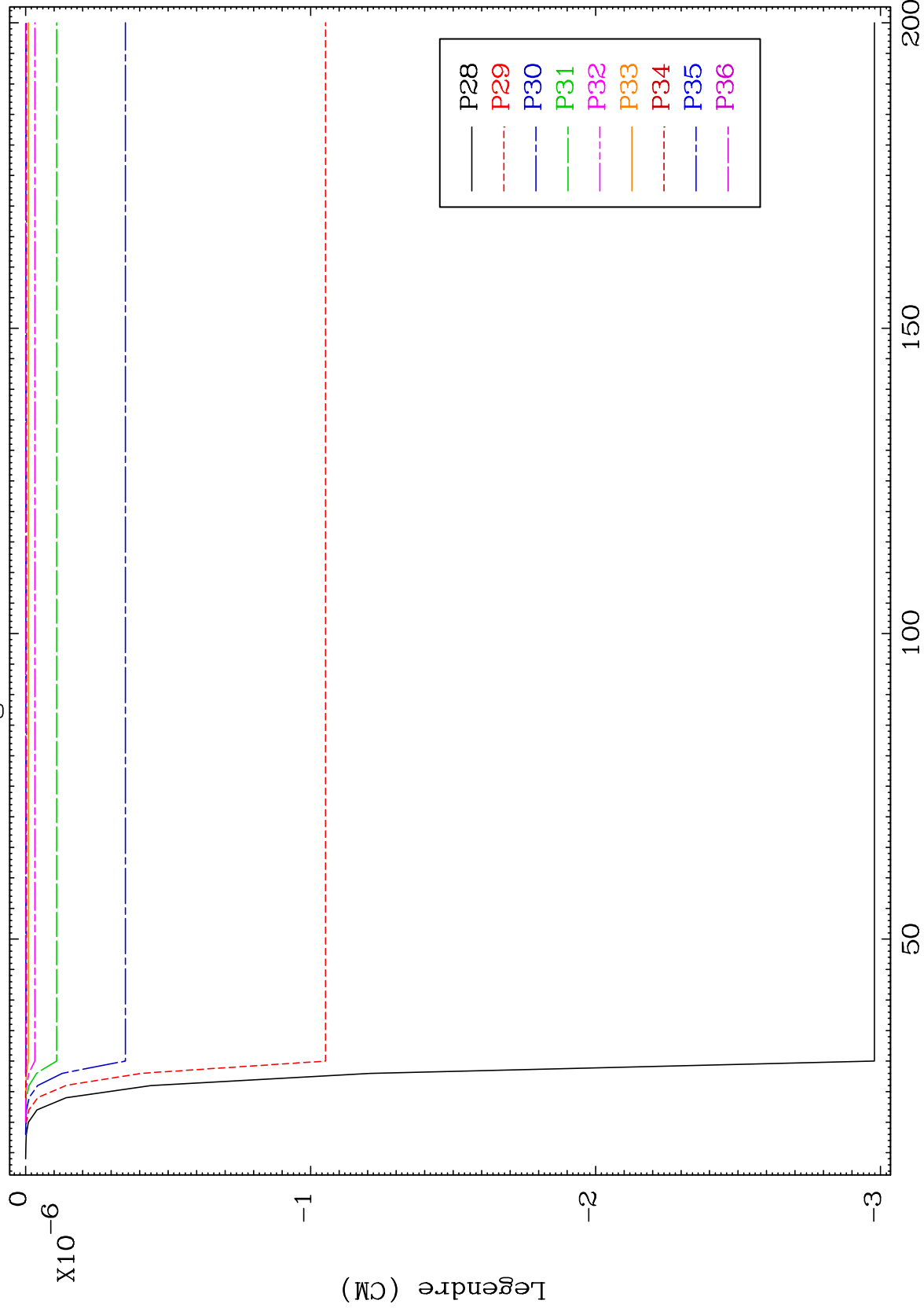
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



49

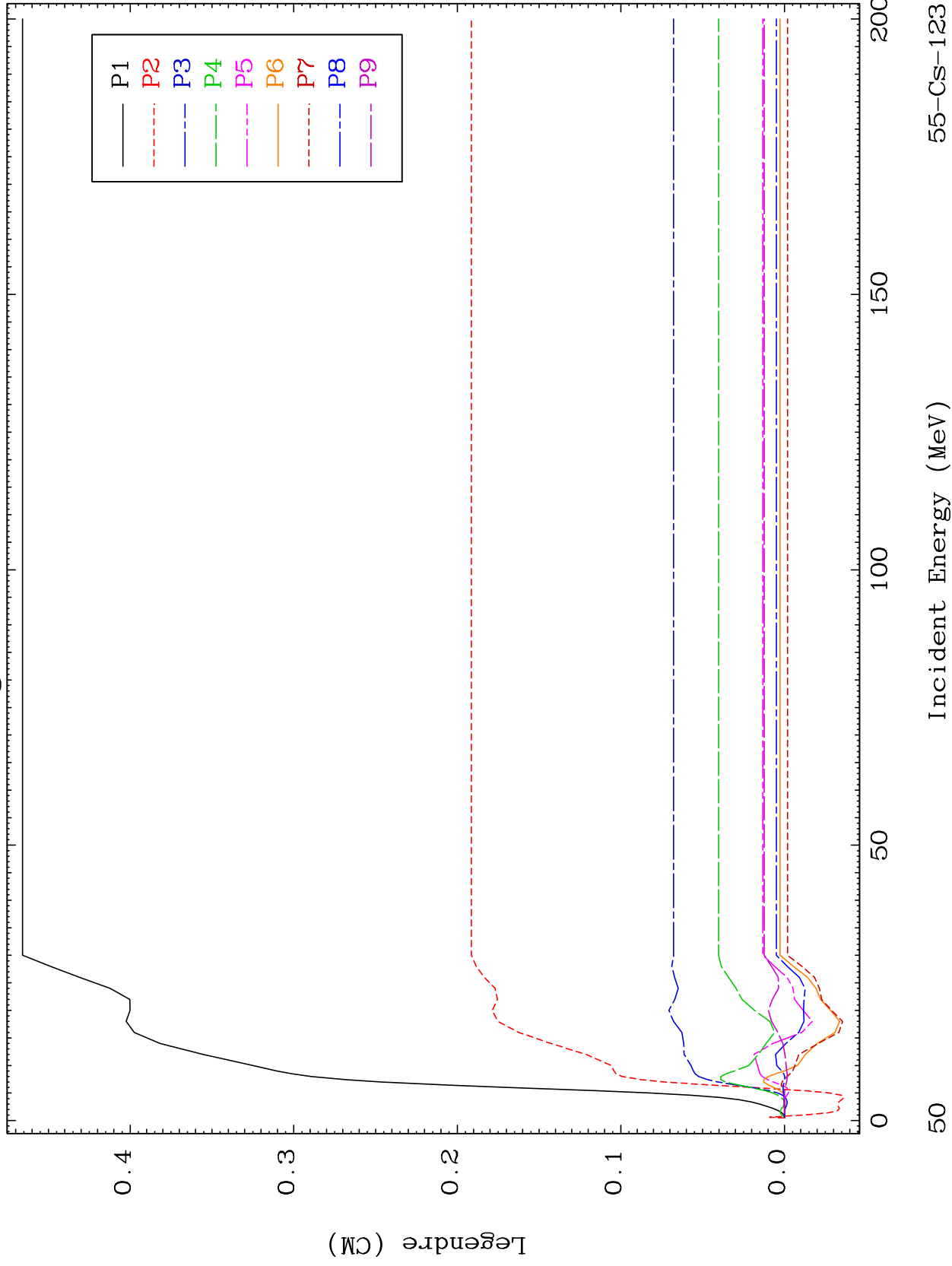
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



55-Cs-123

Incident Energy (MeV)

0

50

100

150

200

0.4

0.3

0.2

0.1

0.0

P1

P2

P3

P4

P5

P6

P7

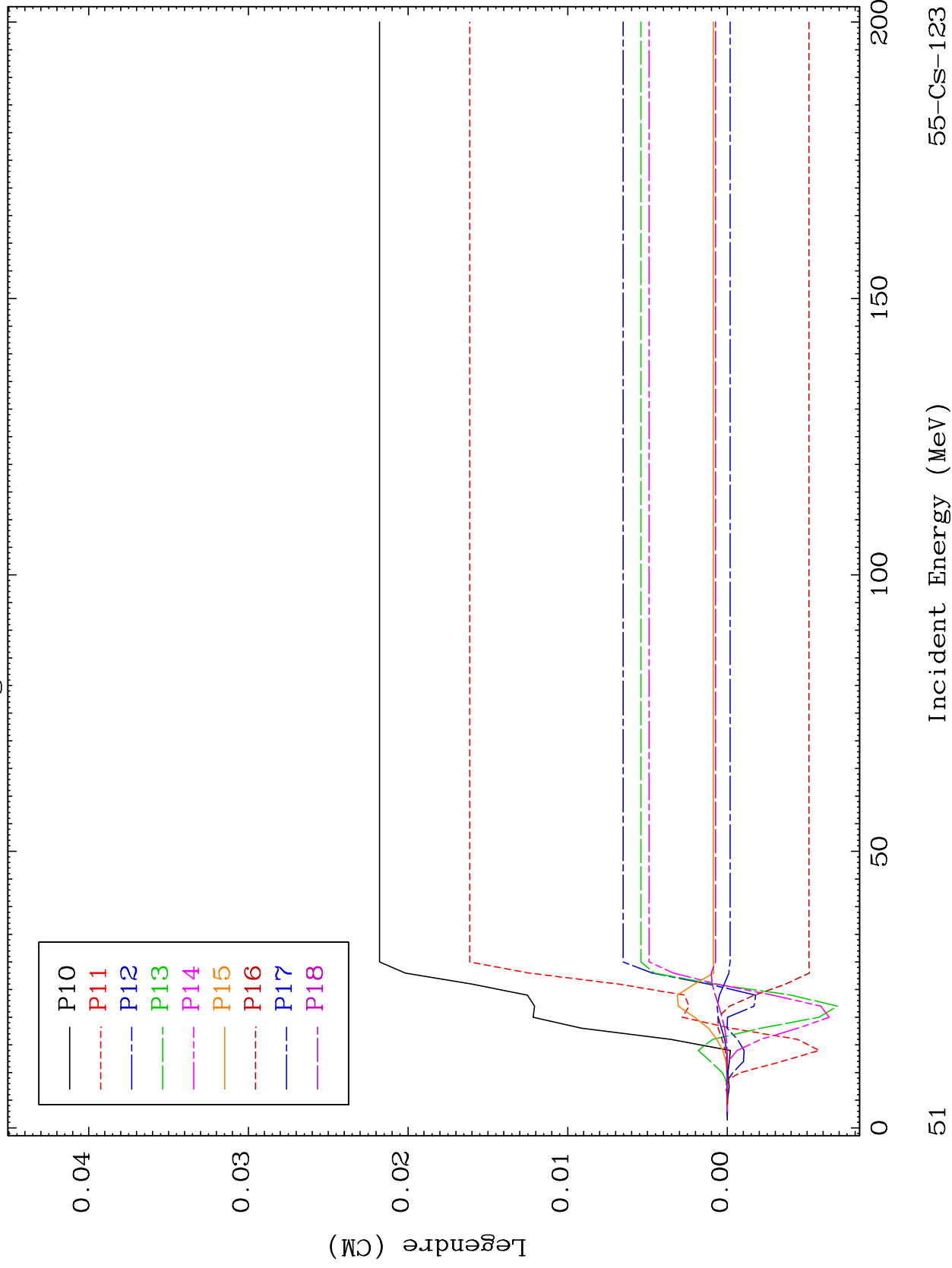
P8

P9

MAT 5495

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

55-Cs-123



51

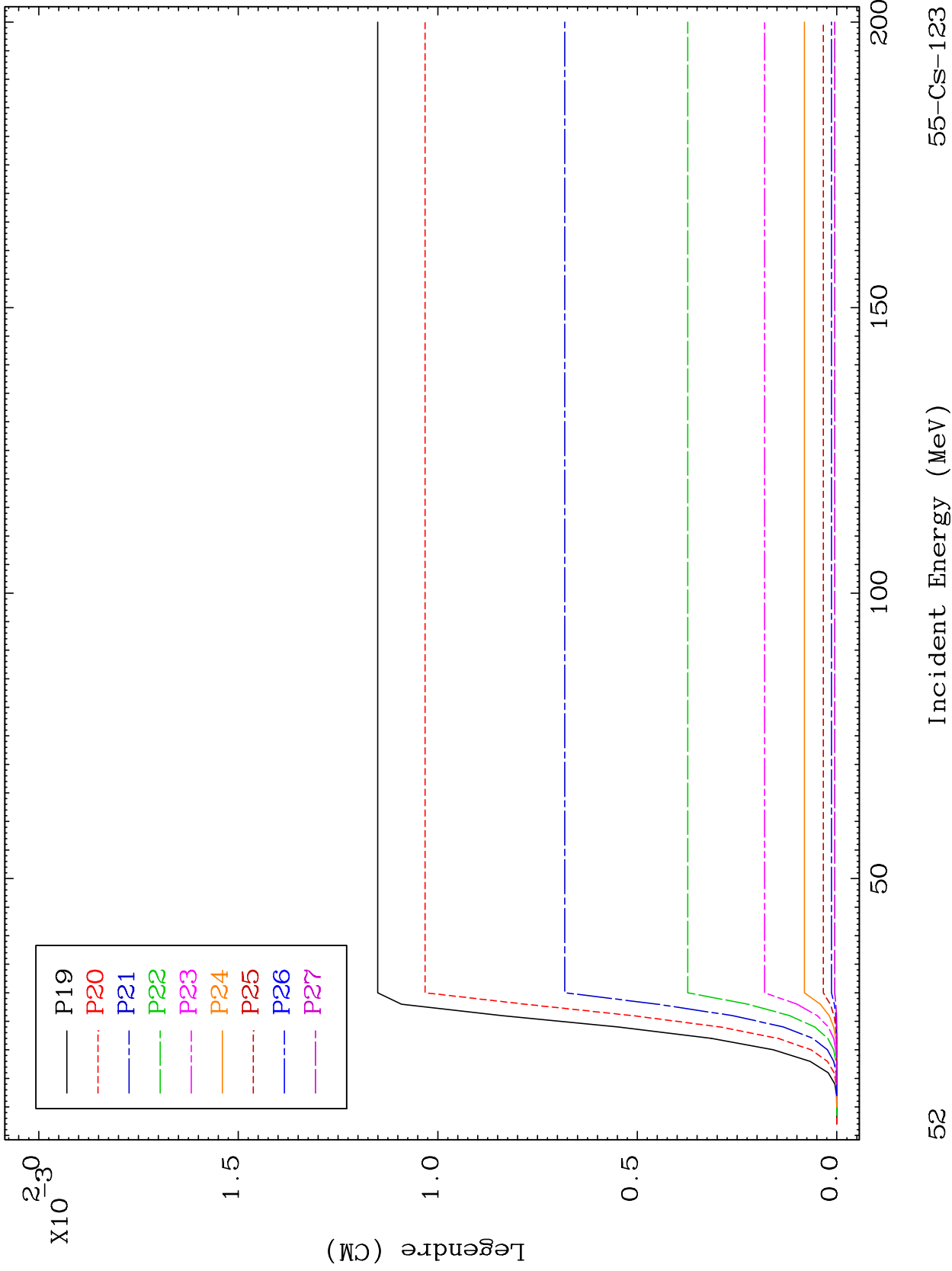
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



52

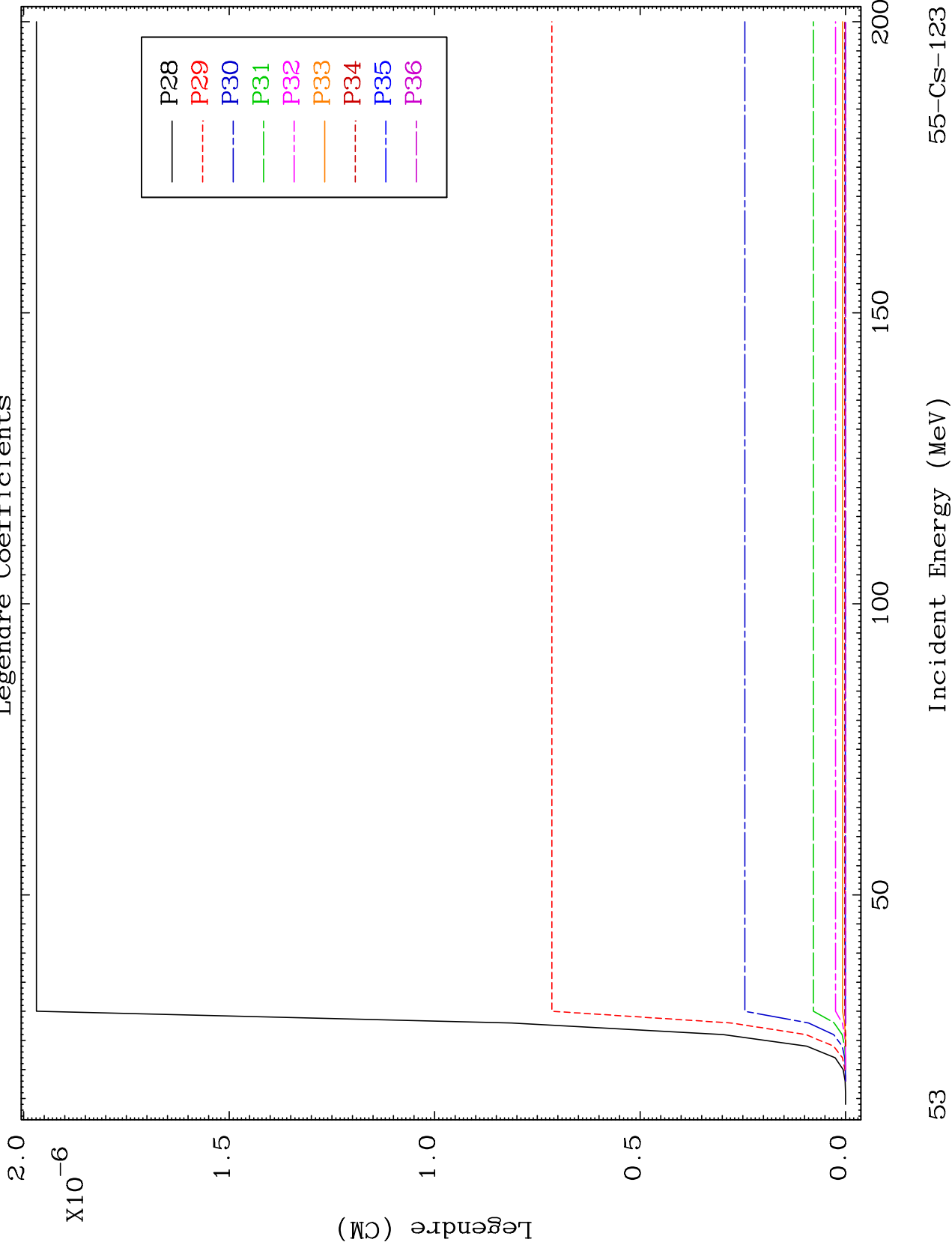
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



53

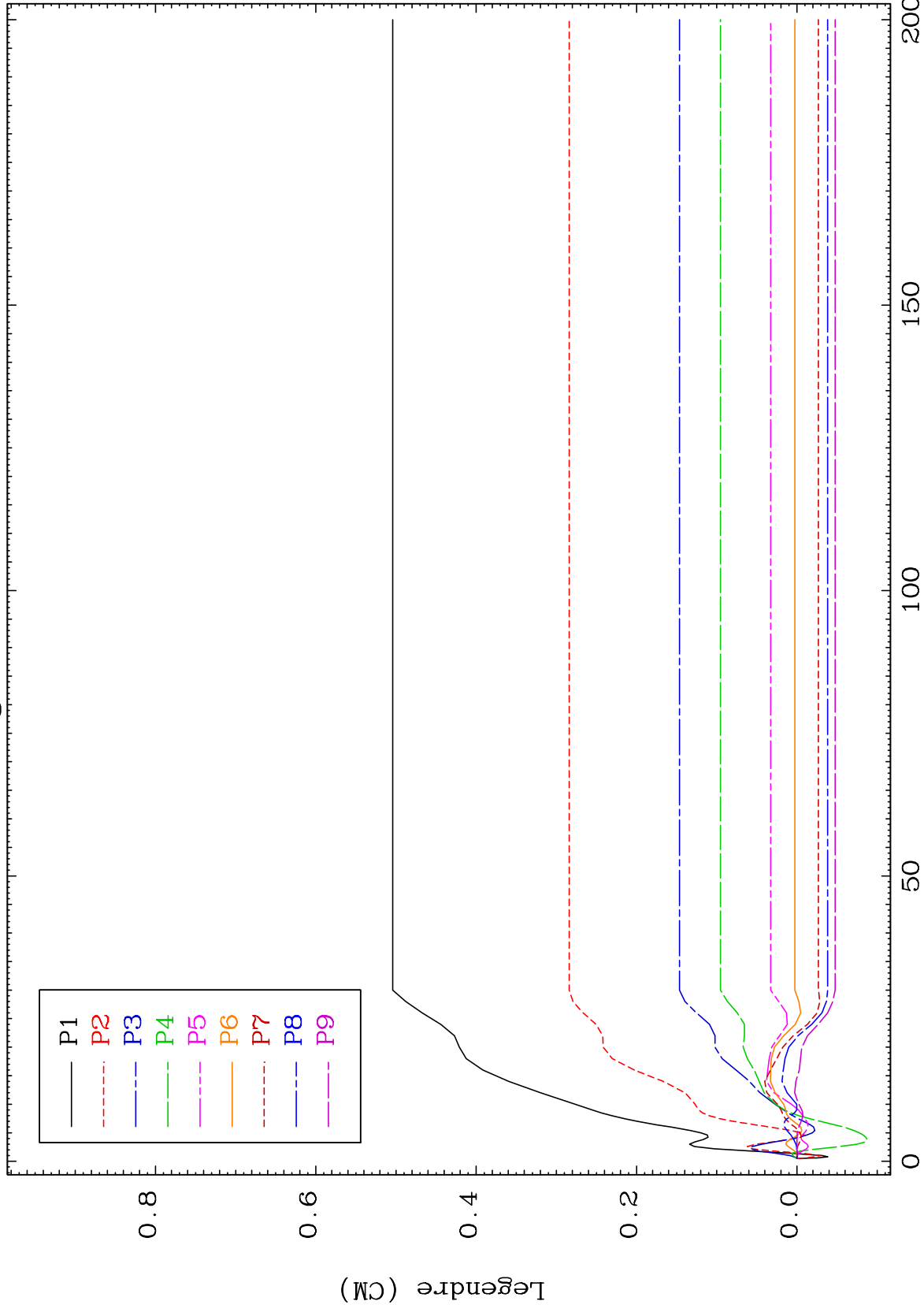
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



54

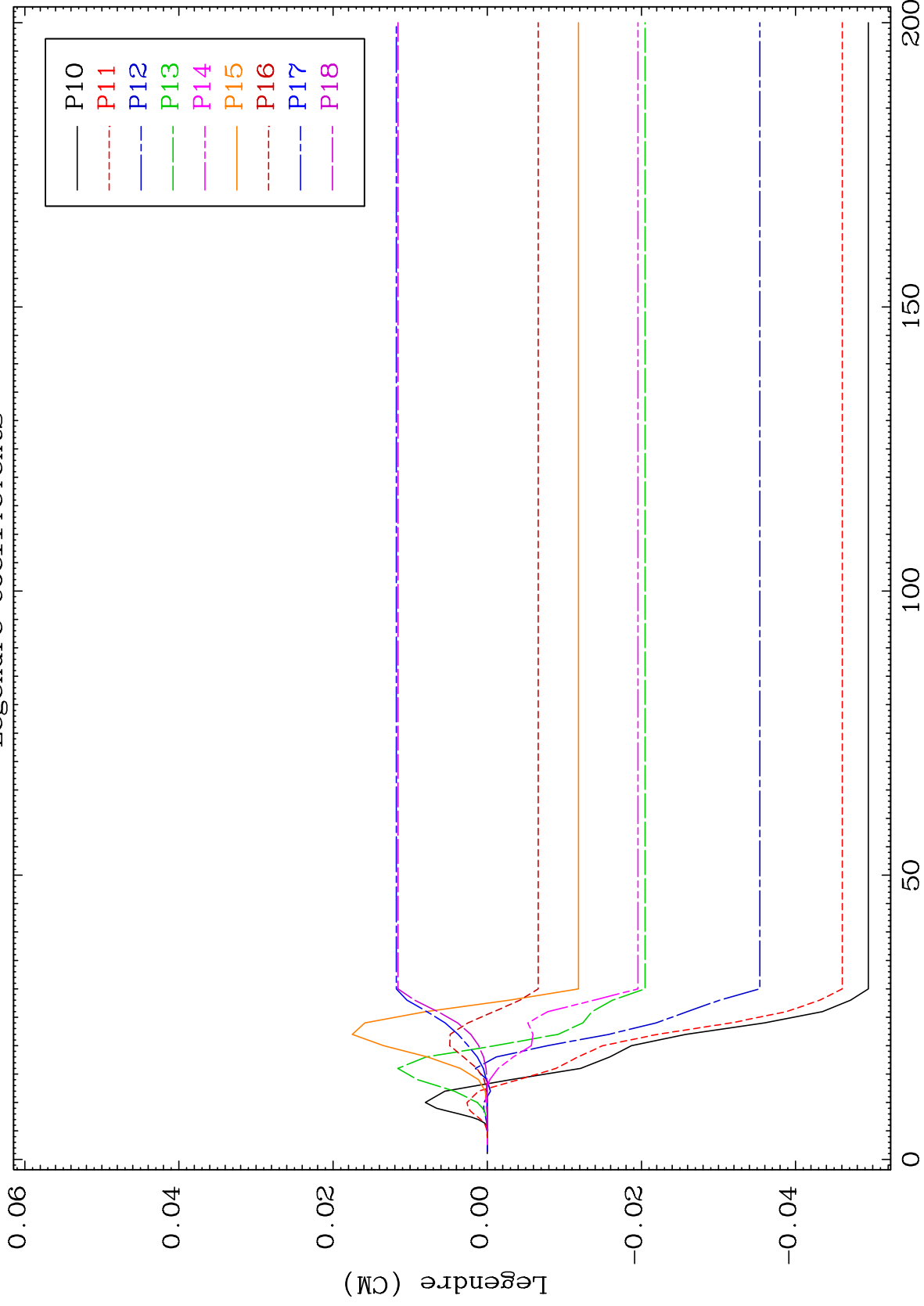
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



55

Incident Energy (MeV)

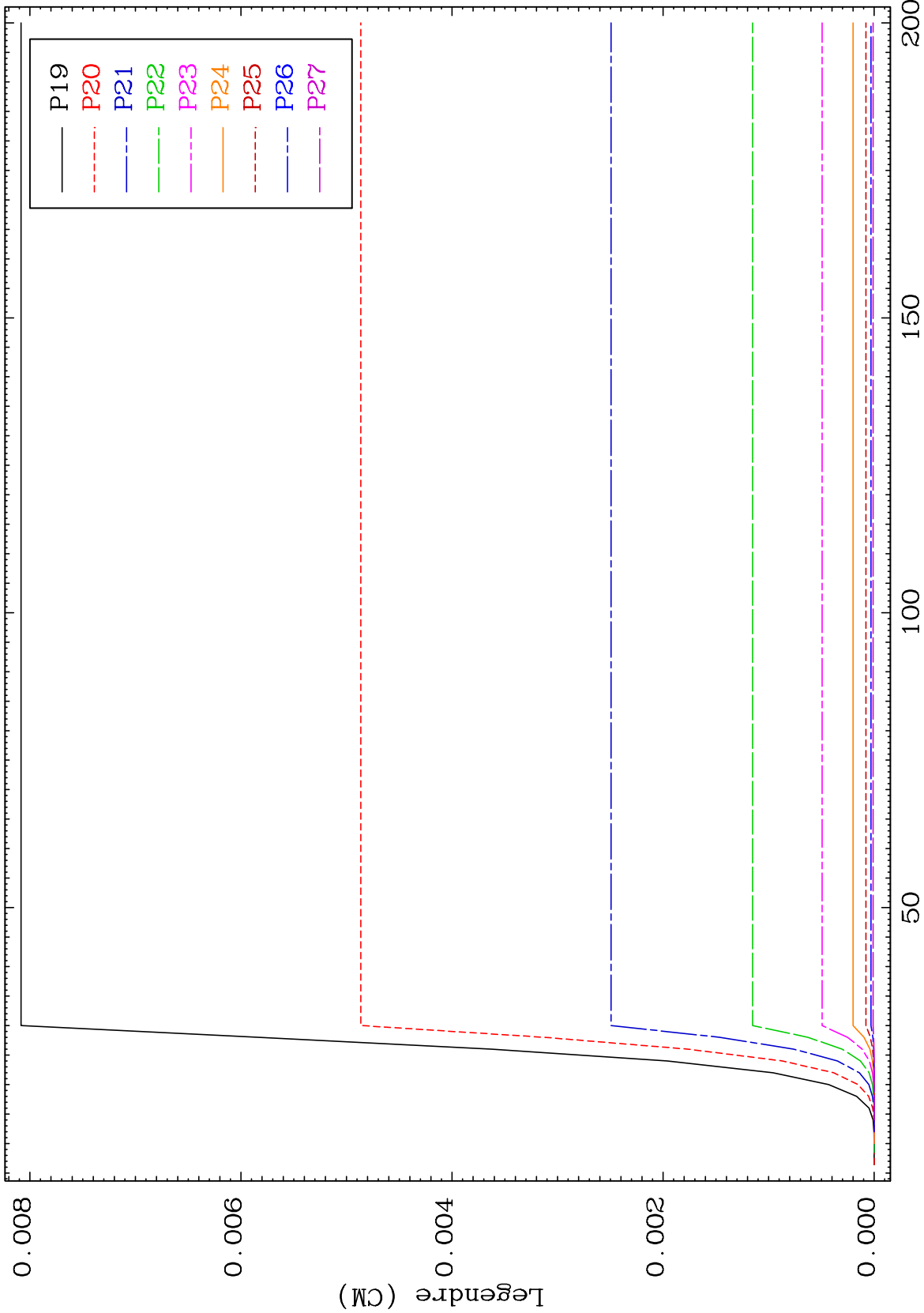
55-Cs-123



MAT 5495

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

55-Cs-123



56

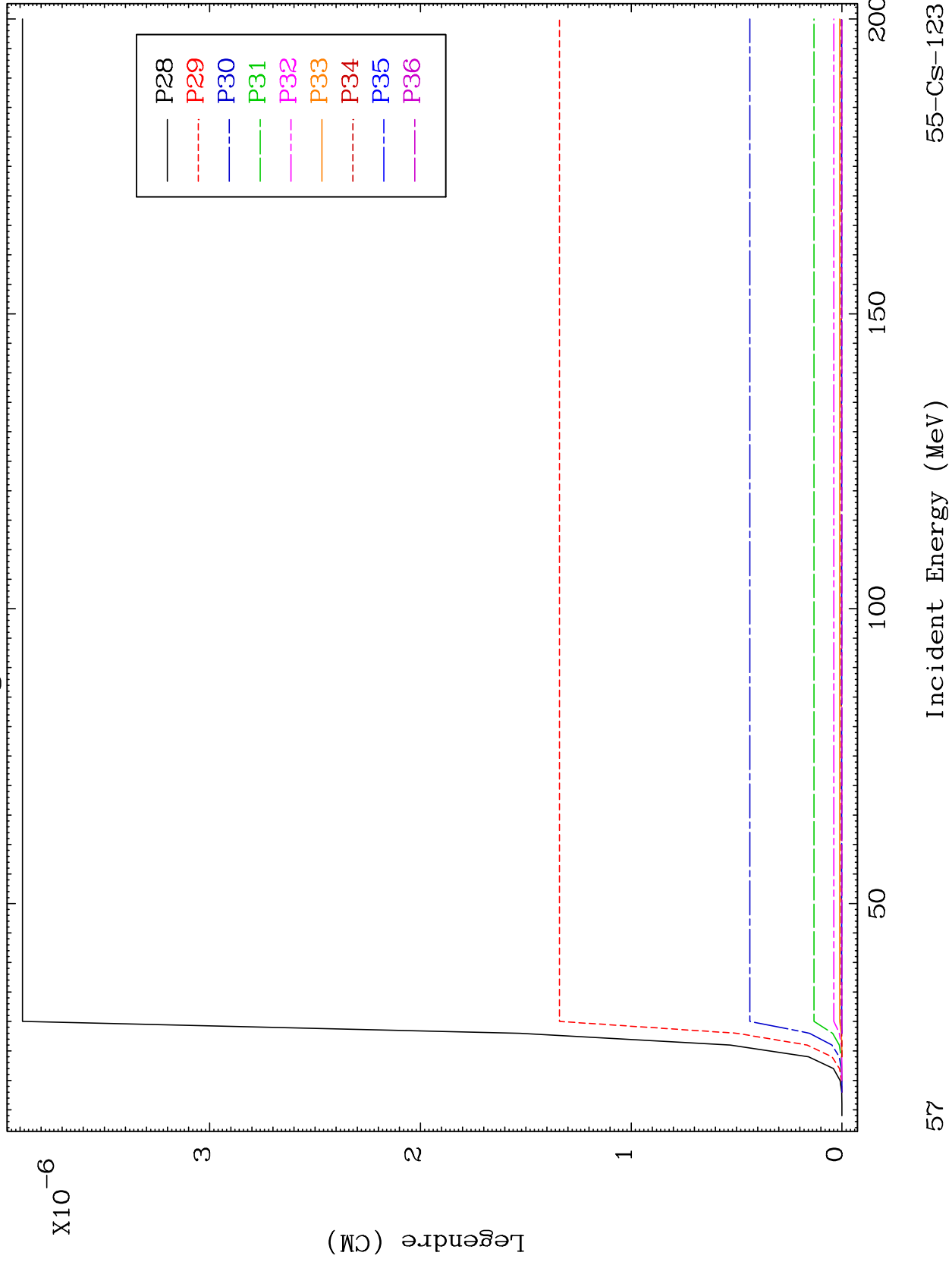
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



57

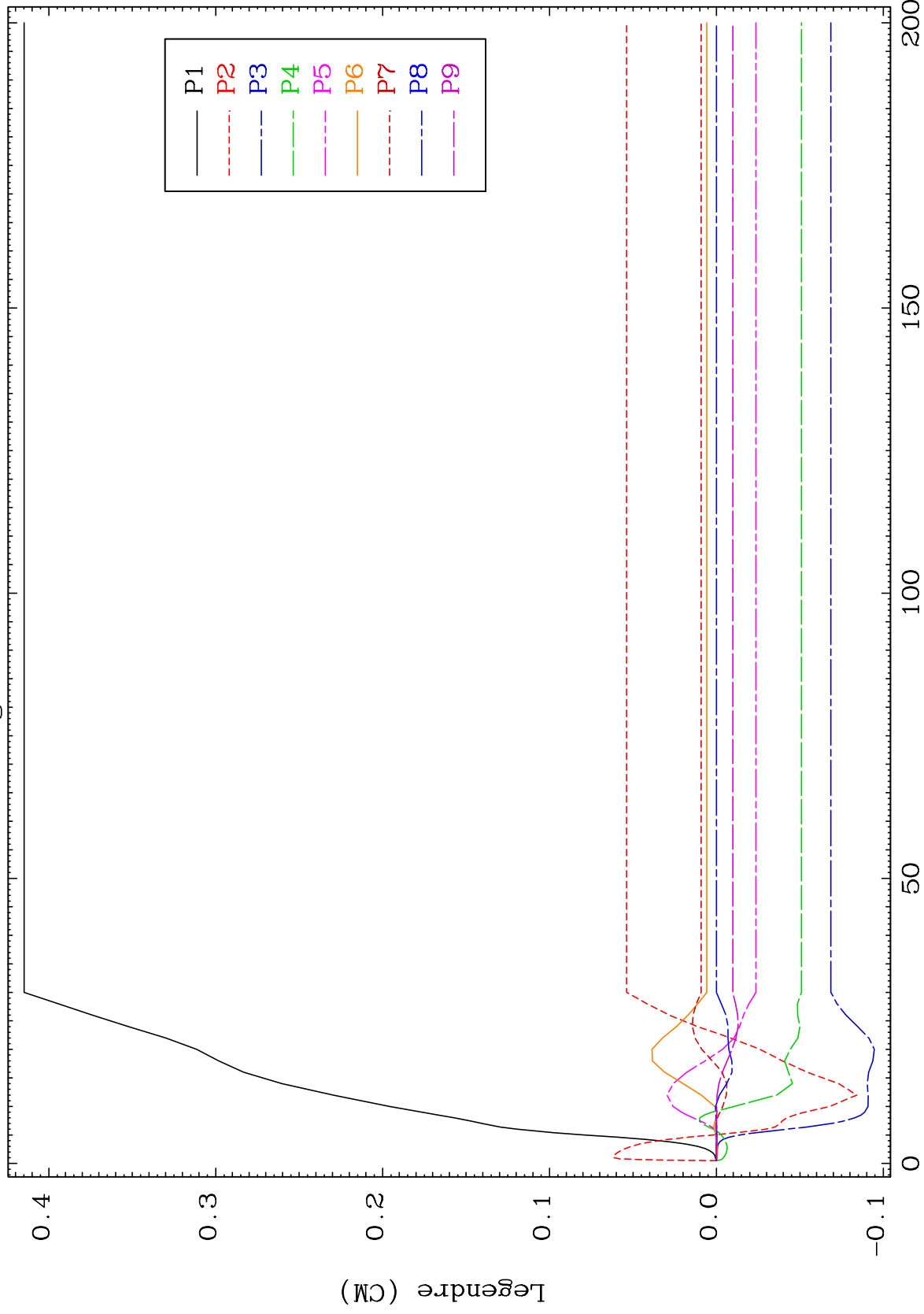
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



55-Cs-123

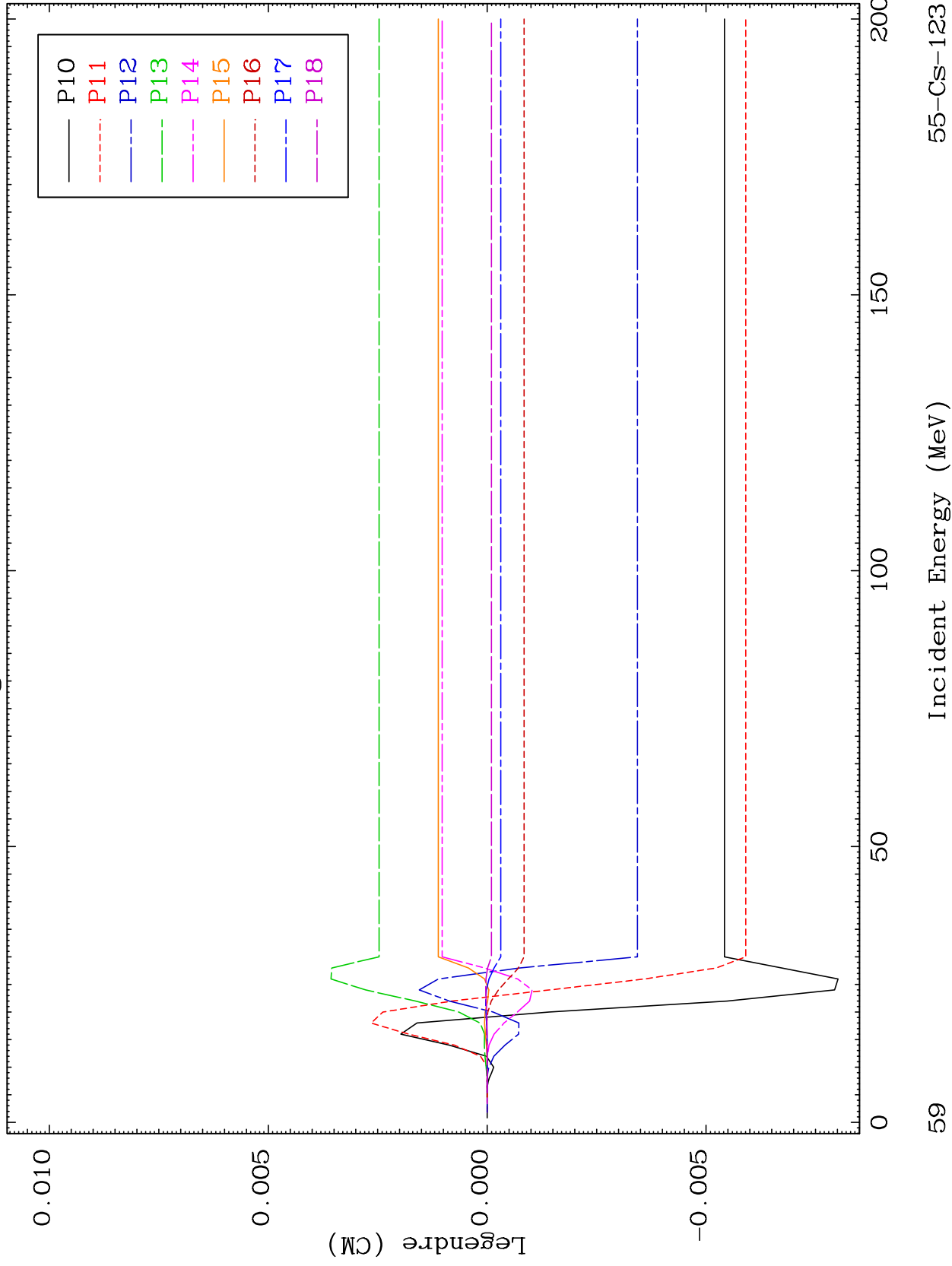
Incident Energy (MeV)

58

MAT 5495

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

55-Cs-123



55-Cs-123

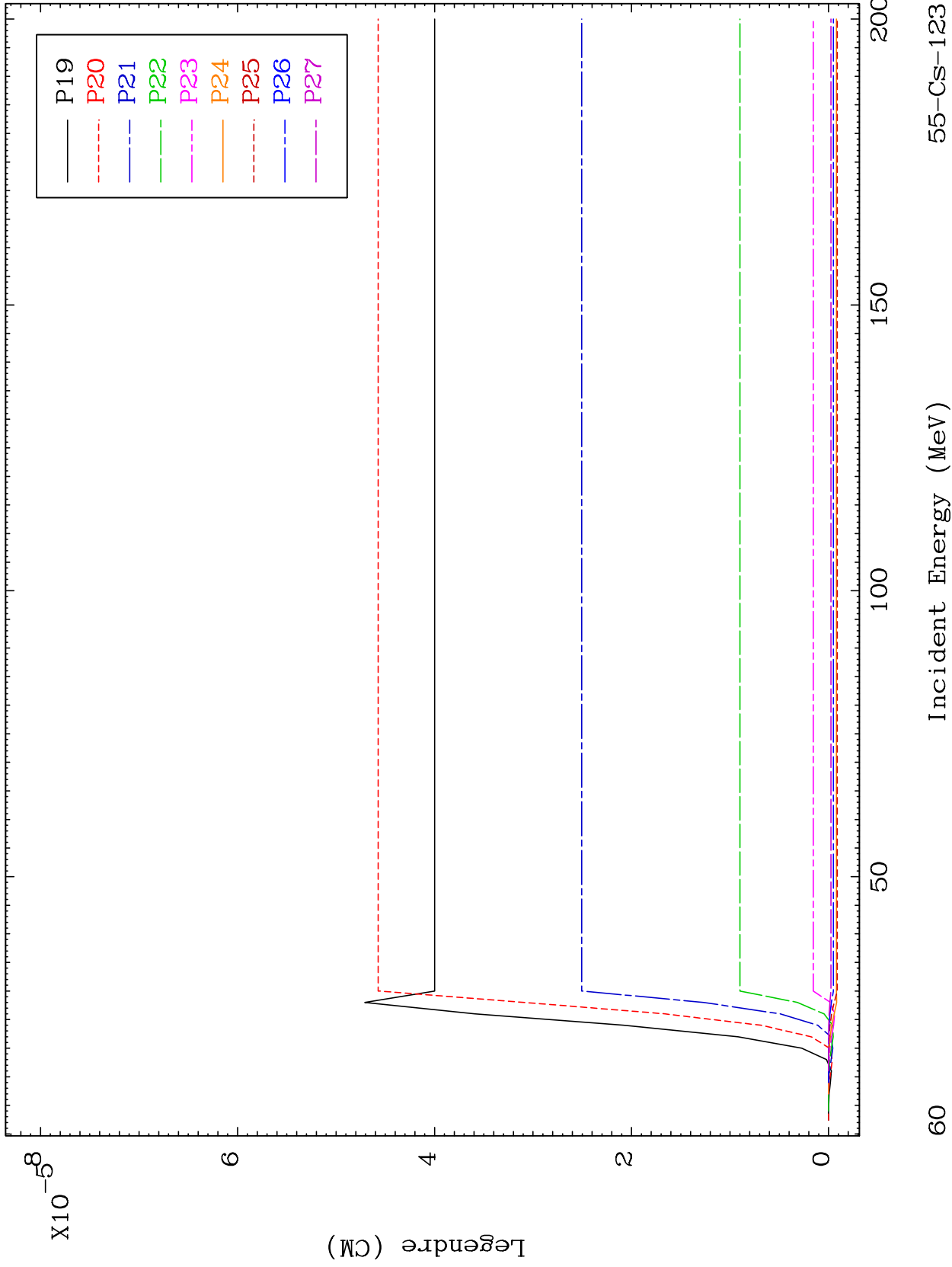
Incident Energy (MeV)

59

MAT 5495

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

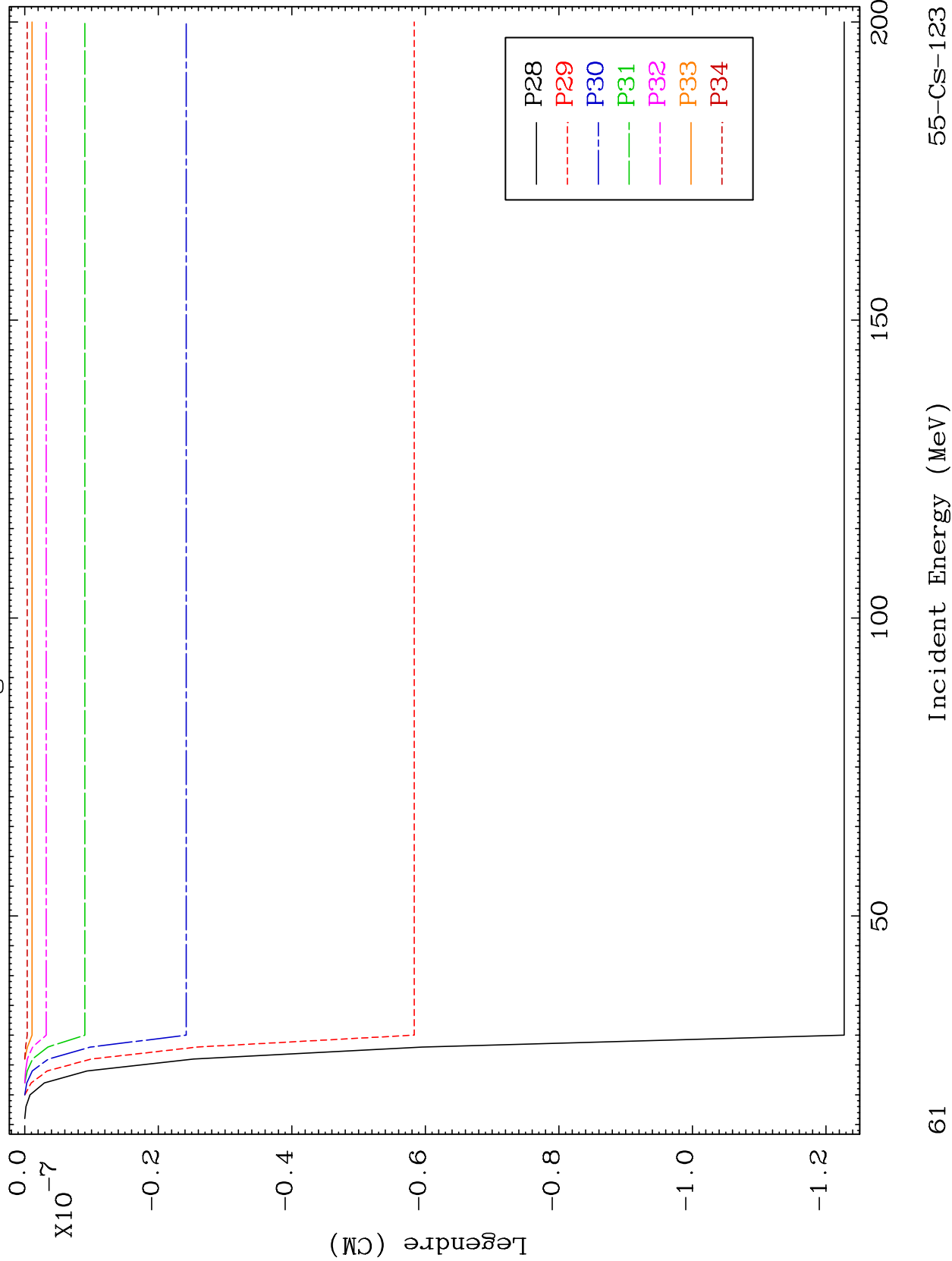
55-Cs-123



MAT 5495

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

55-Cs-123



61

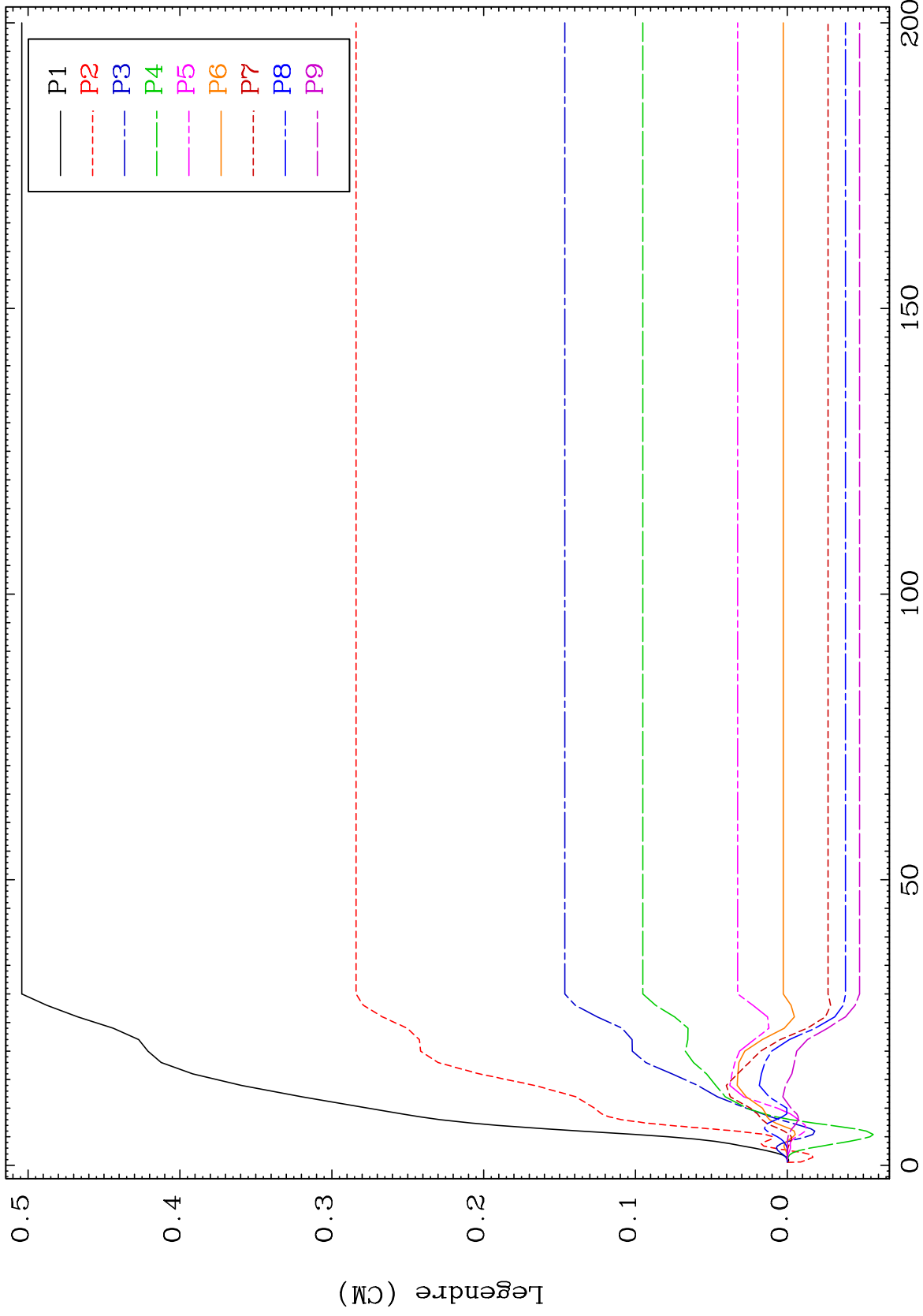
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



55-Cs-123

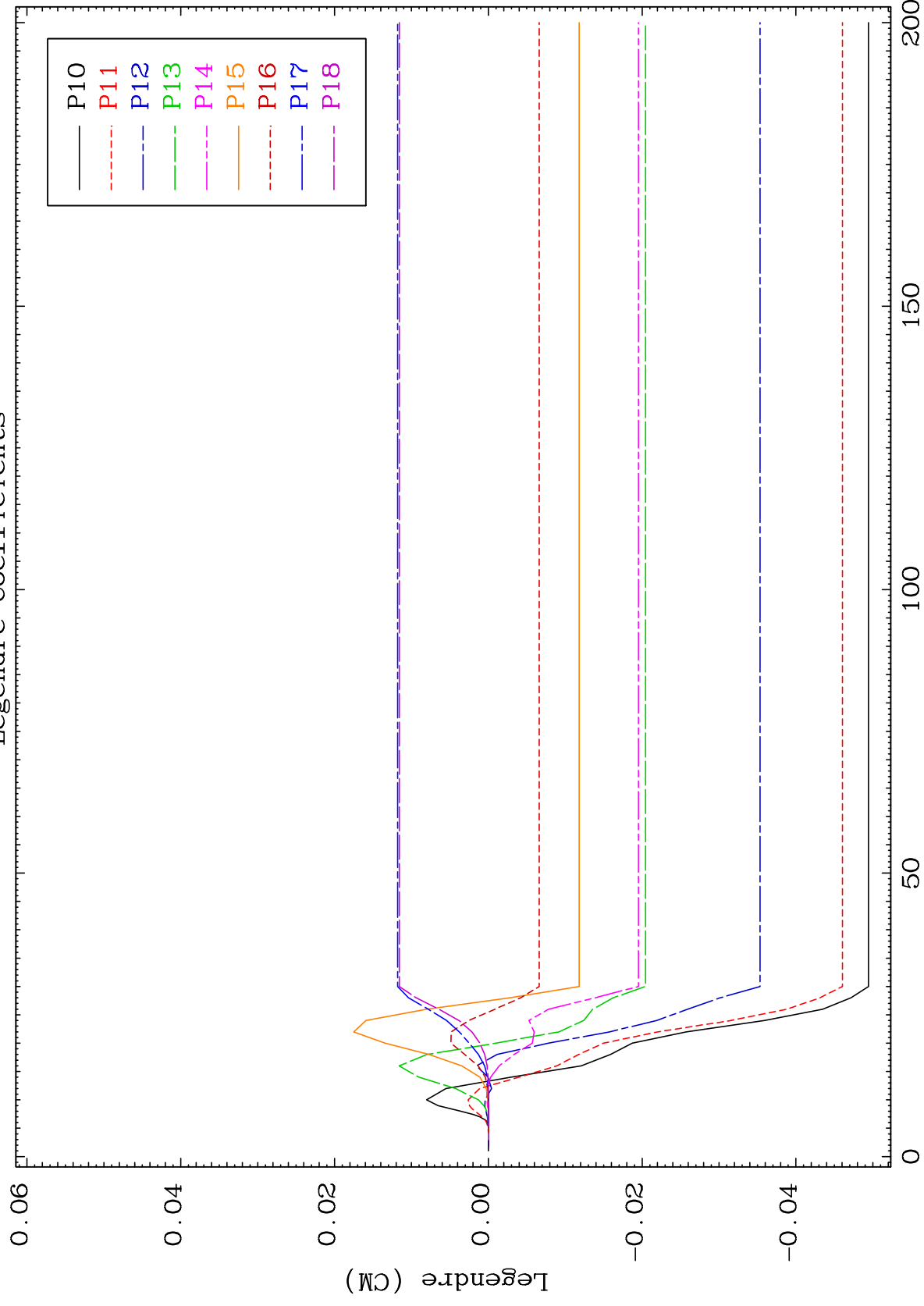
Incident Energy (MeV)

62

MAT 5495

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

55-Cs-123



63

Incident Energy (MeV)

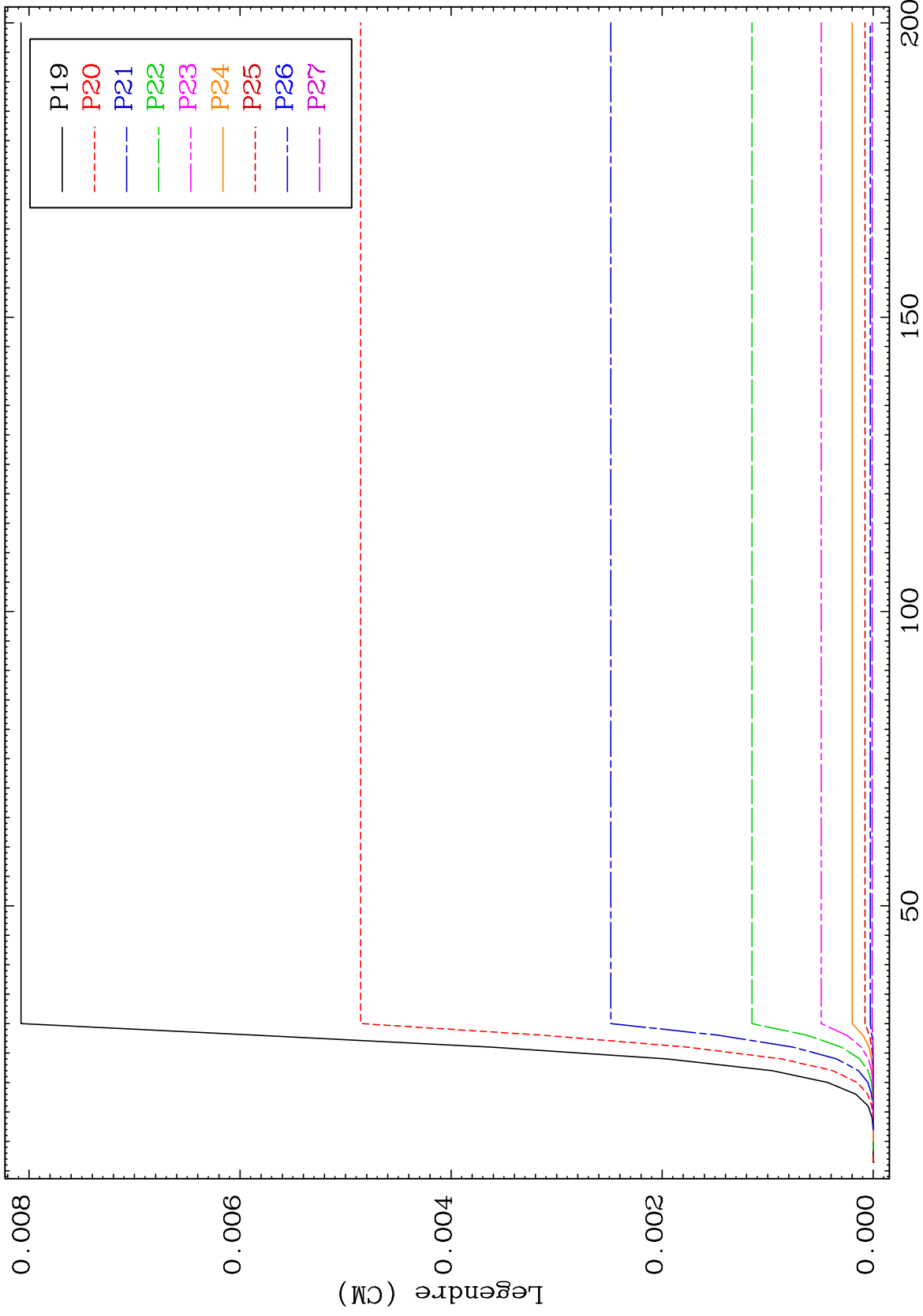
55-Cs-123



MAT 5495

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

55-Cs-123



64

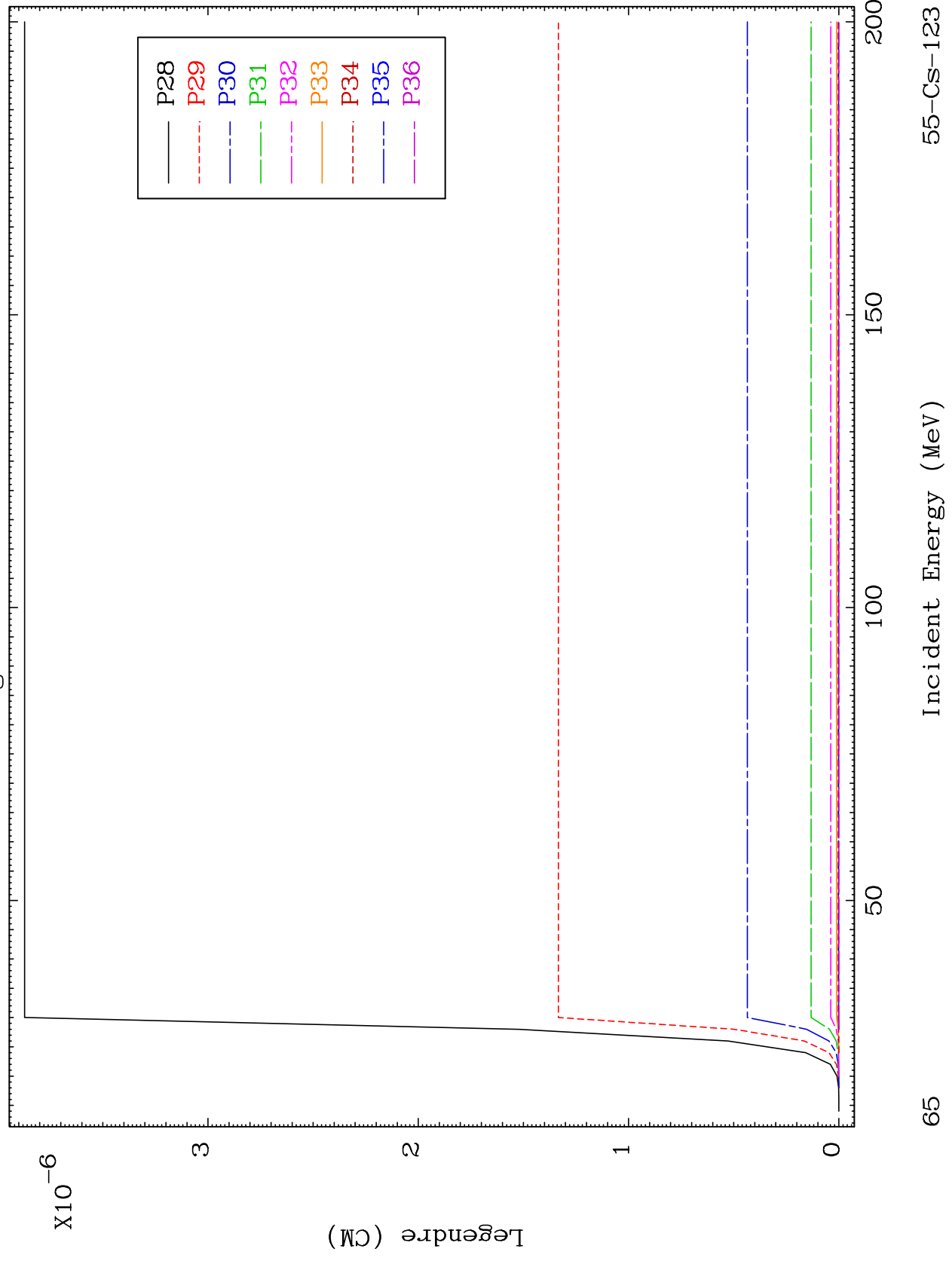
Incident Energy (MeV)

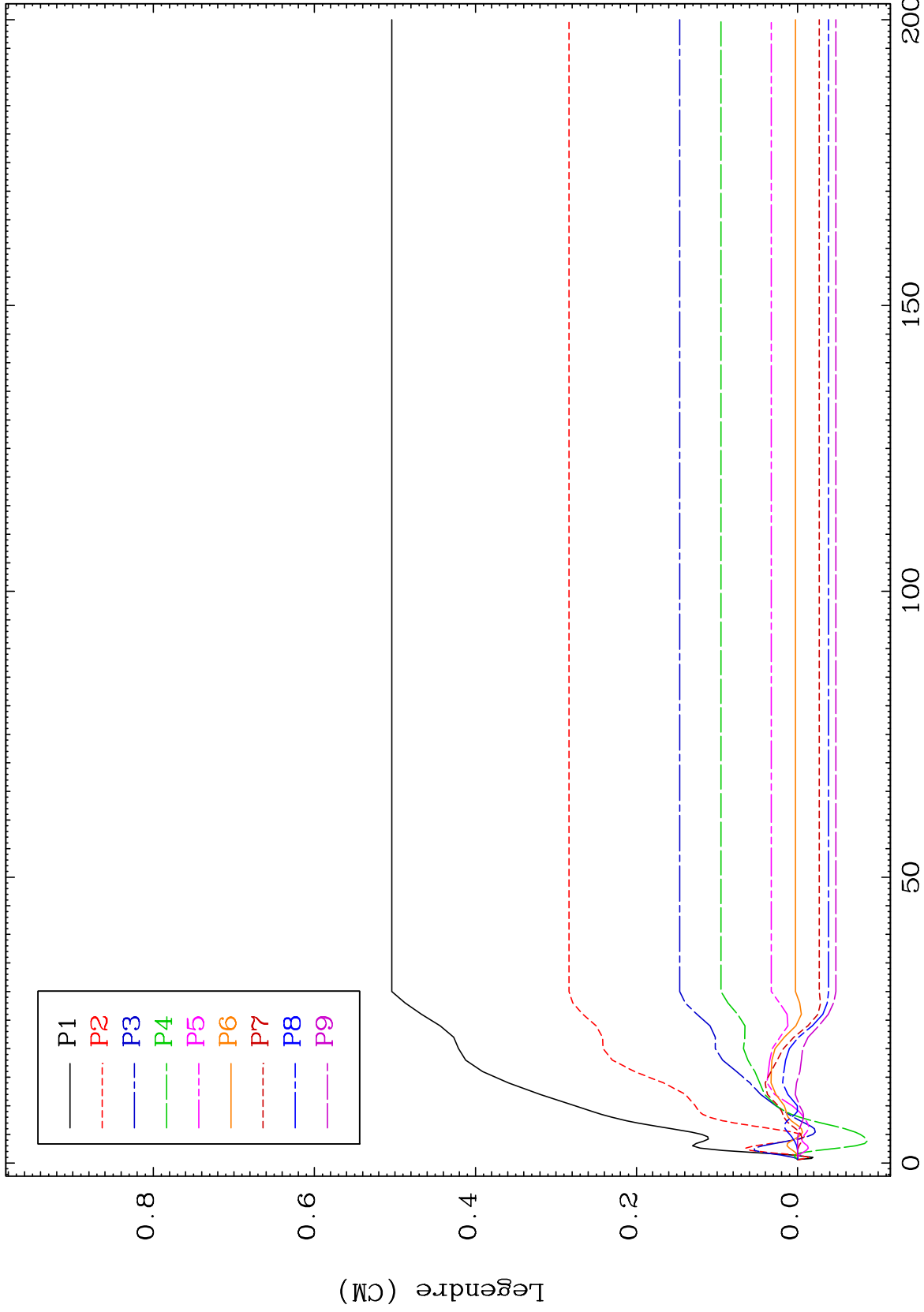
55-Cs-123

MAT 5495

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

55-Cs-123

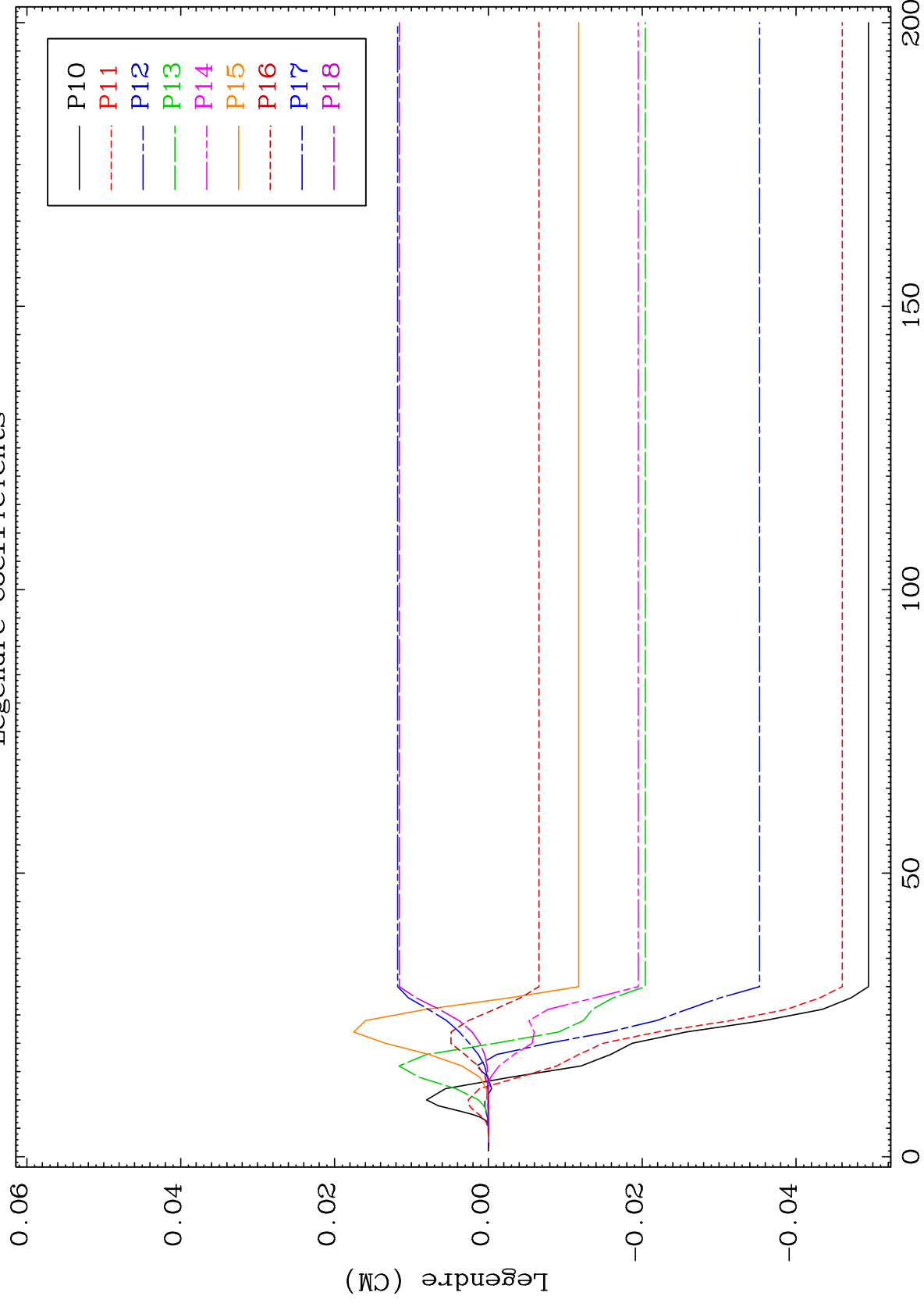




MAT 5495

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

55-Cs-123



67

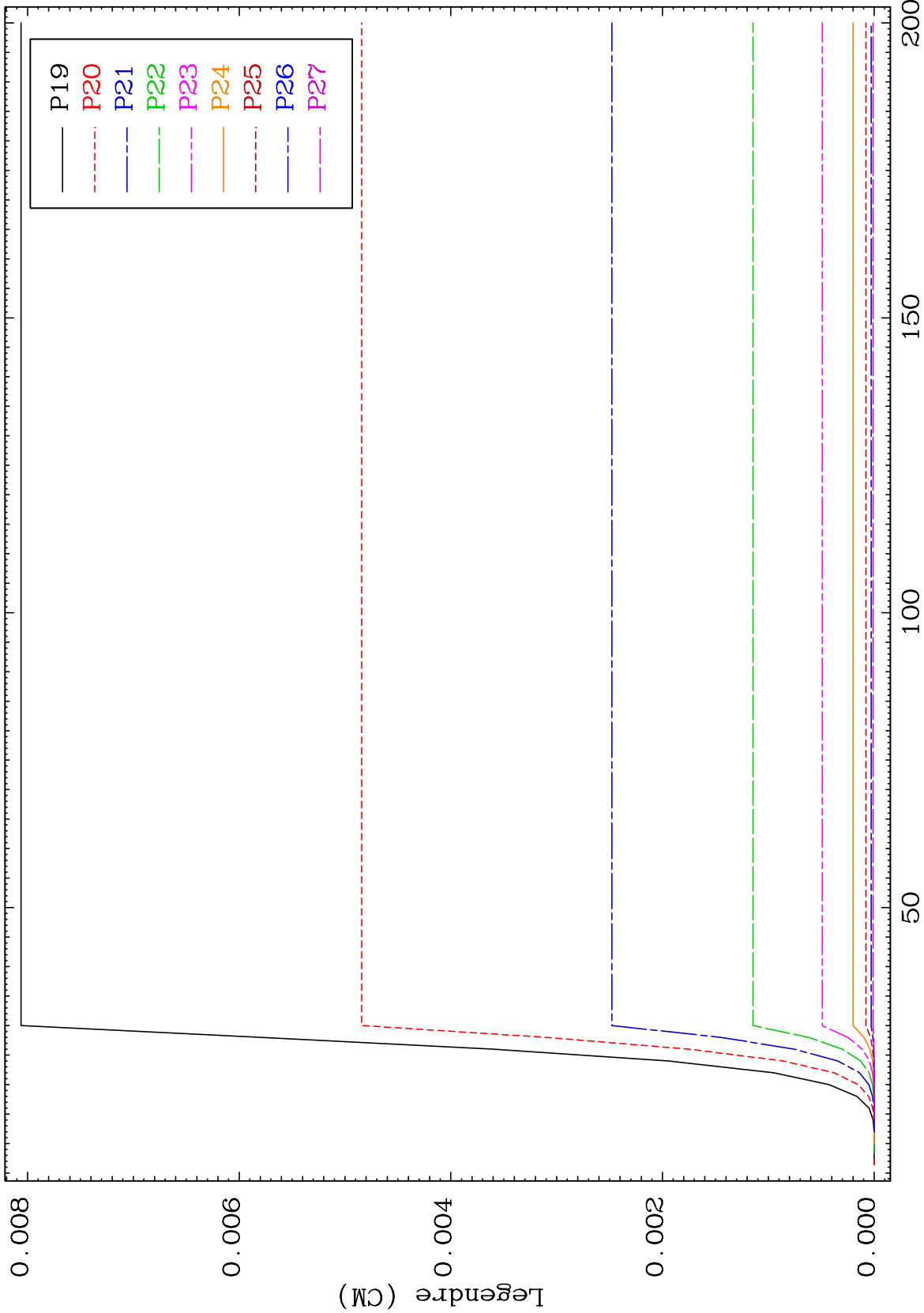
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



68

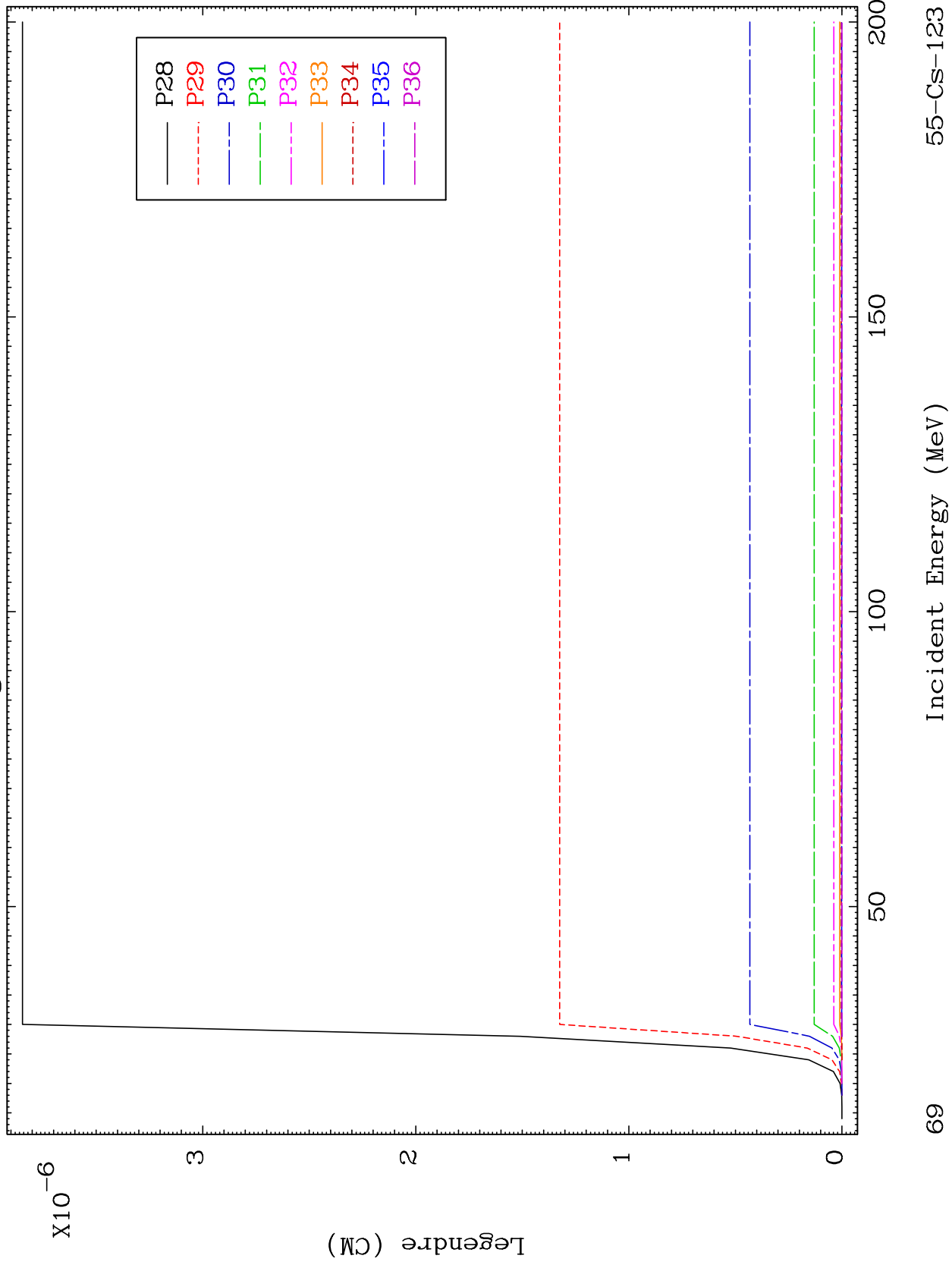
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

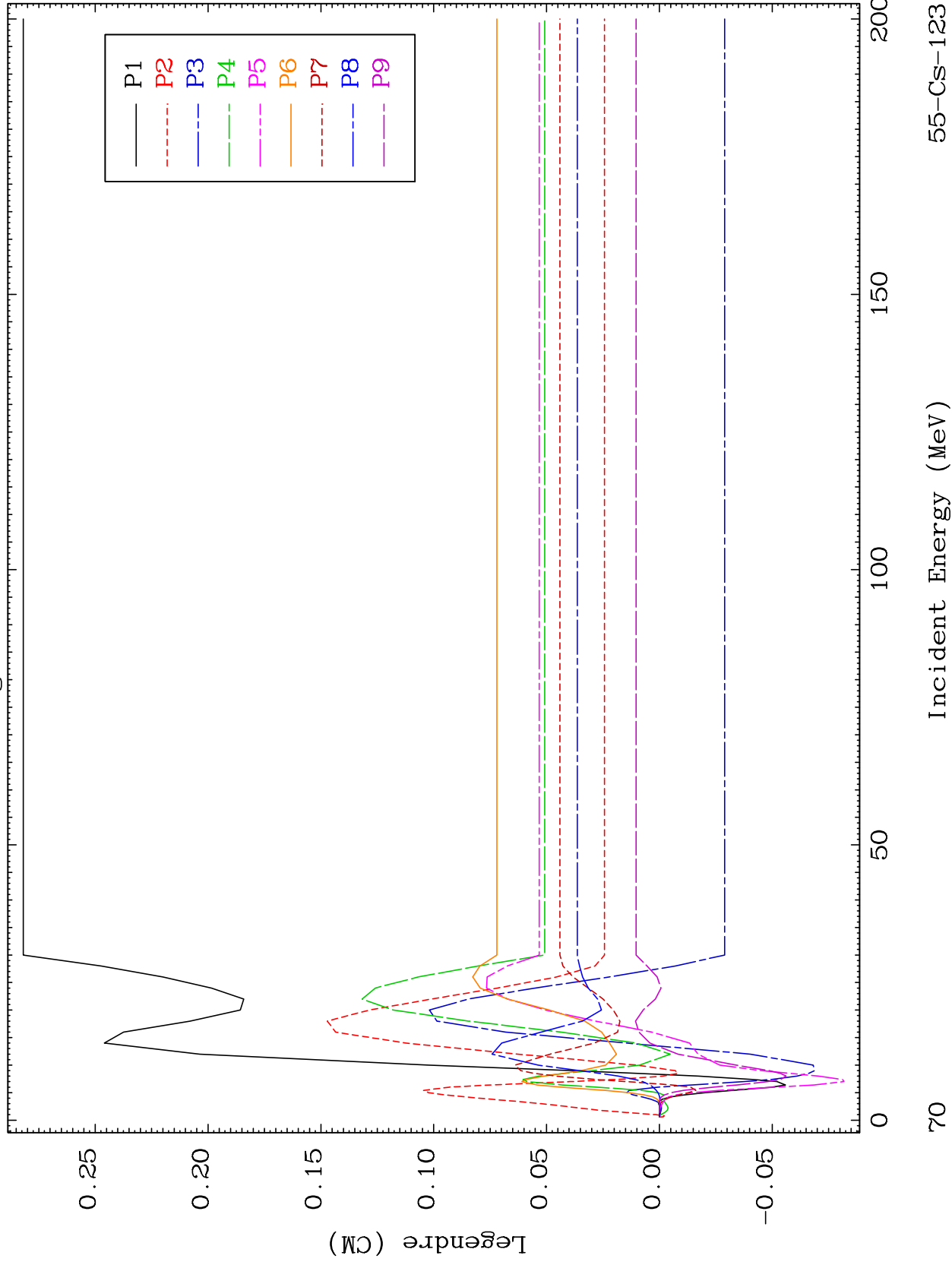
55-Cs-123



MAT 5495

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

55-Cs-123



55-Cs-123

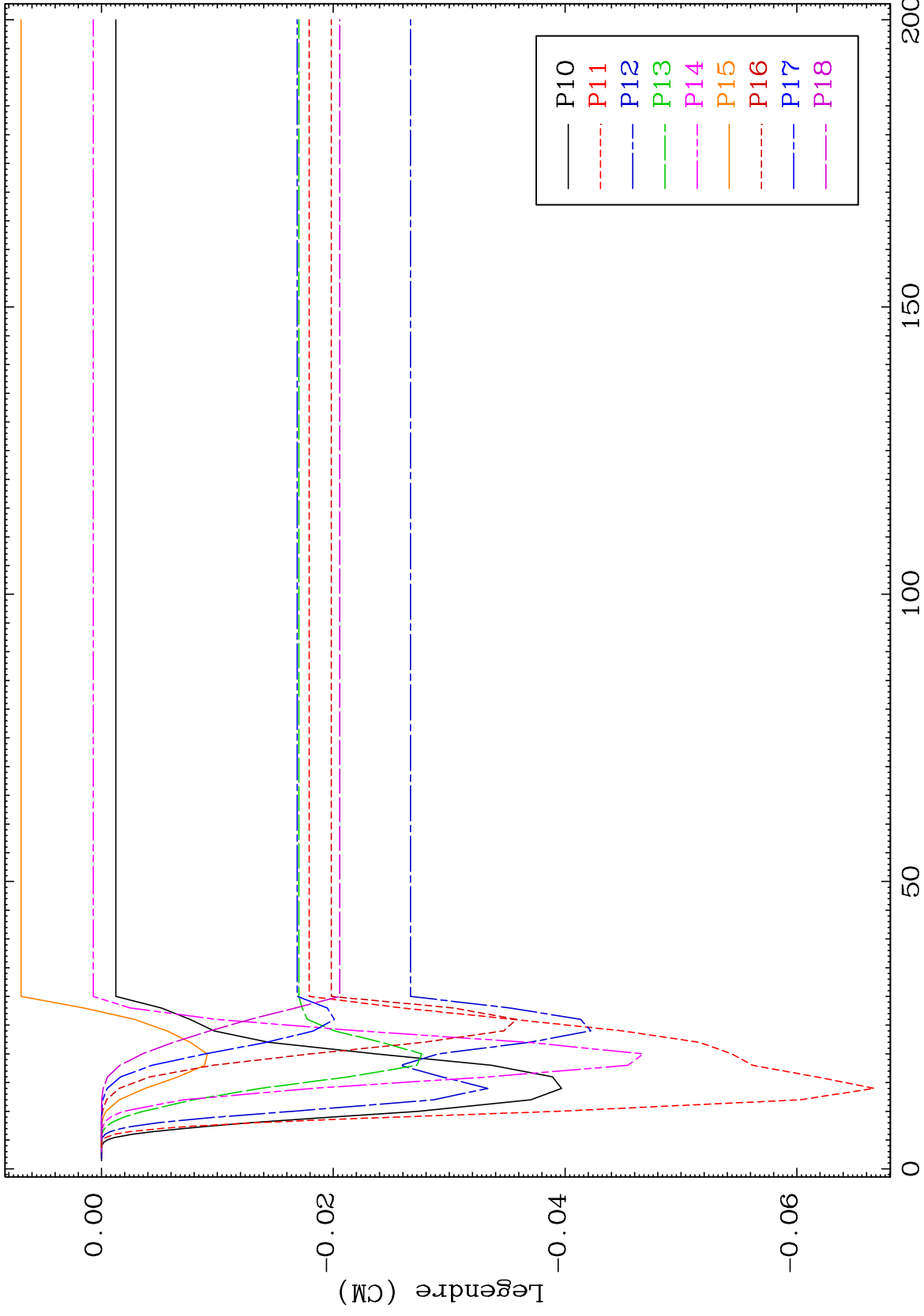
Incident Energy (MeV)

70

MAT 5495

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

55-Cs-123

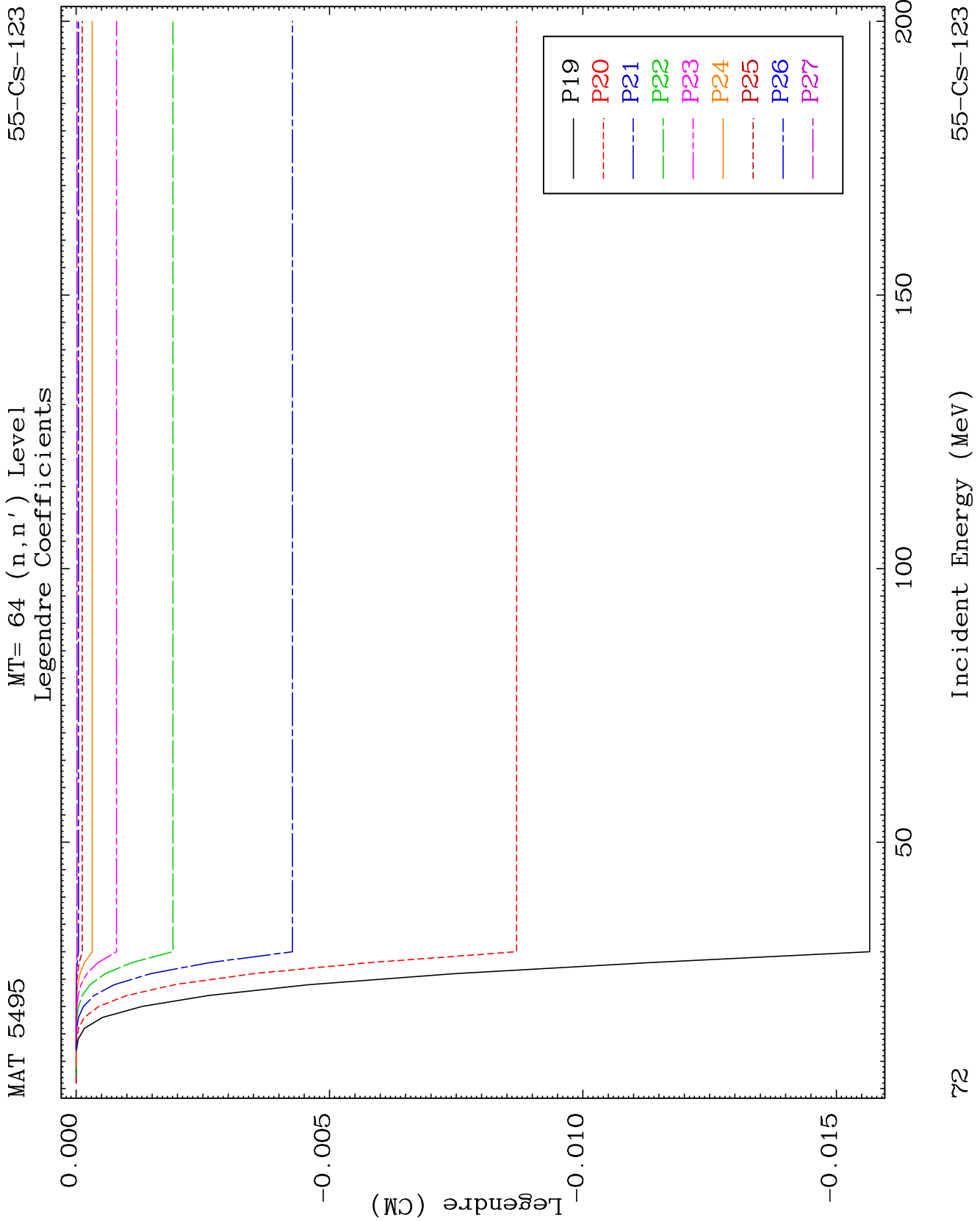


71

Incident Energy (MeV)

55-Cs-123

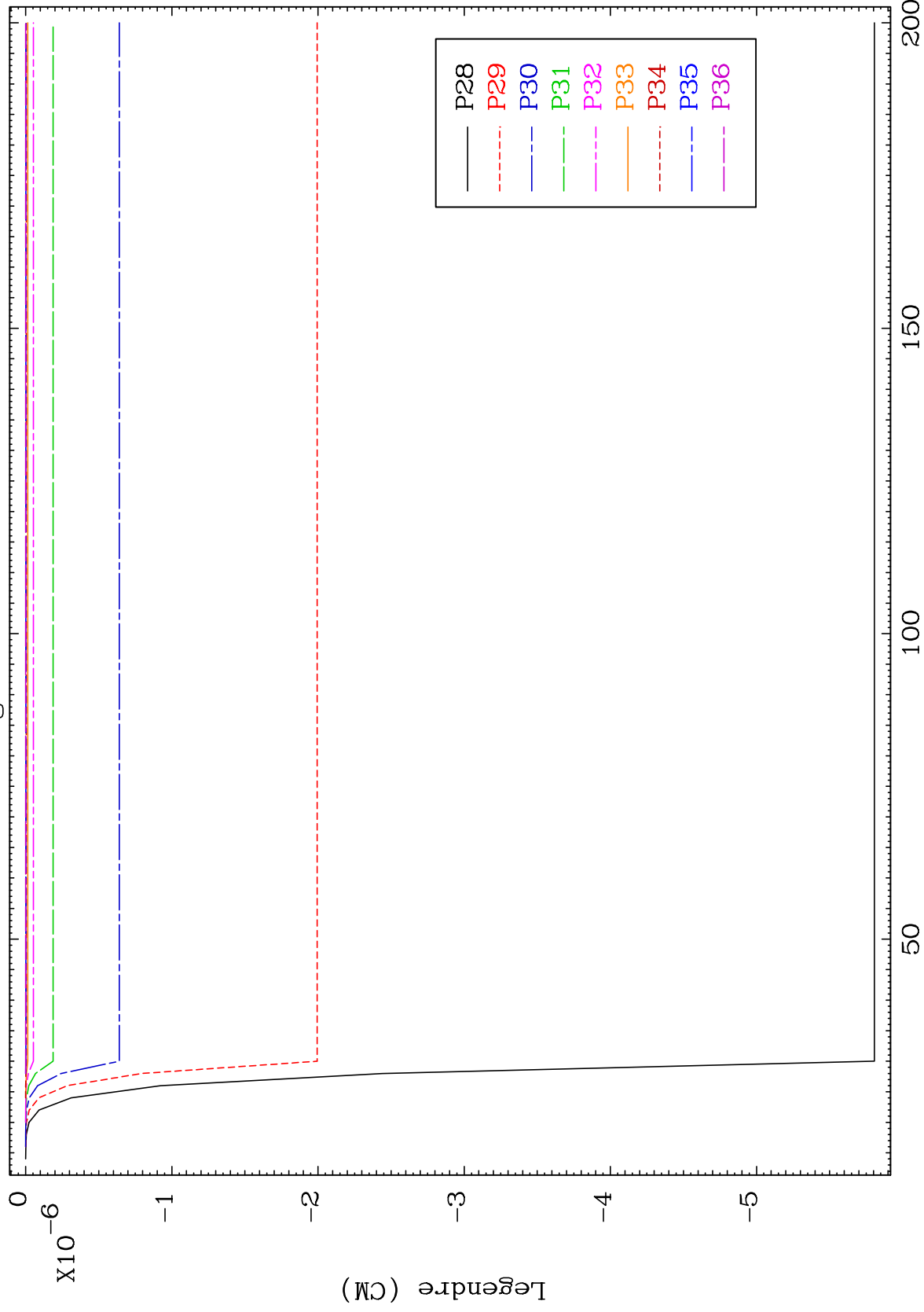




MAT 5495

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

55-Cs-123



73

Incident Energy (MeV)

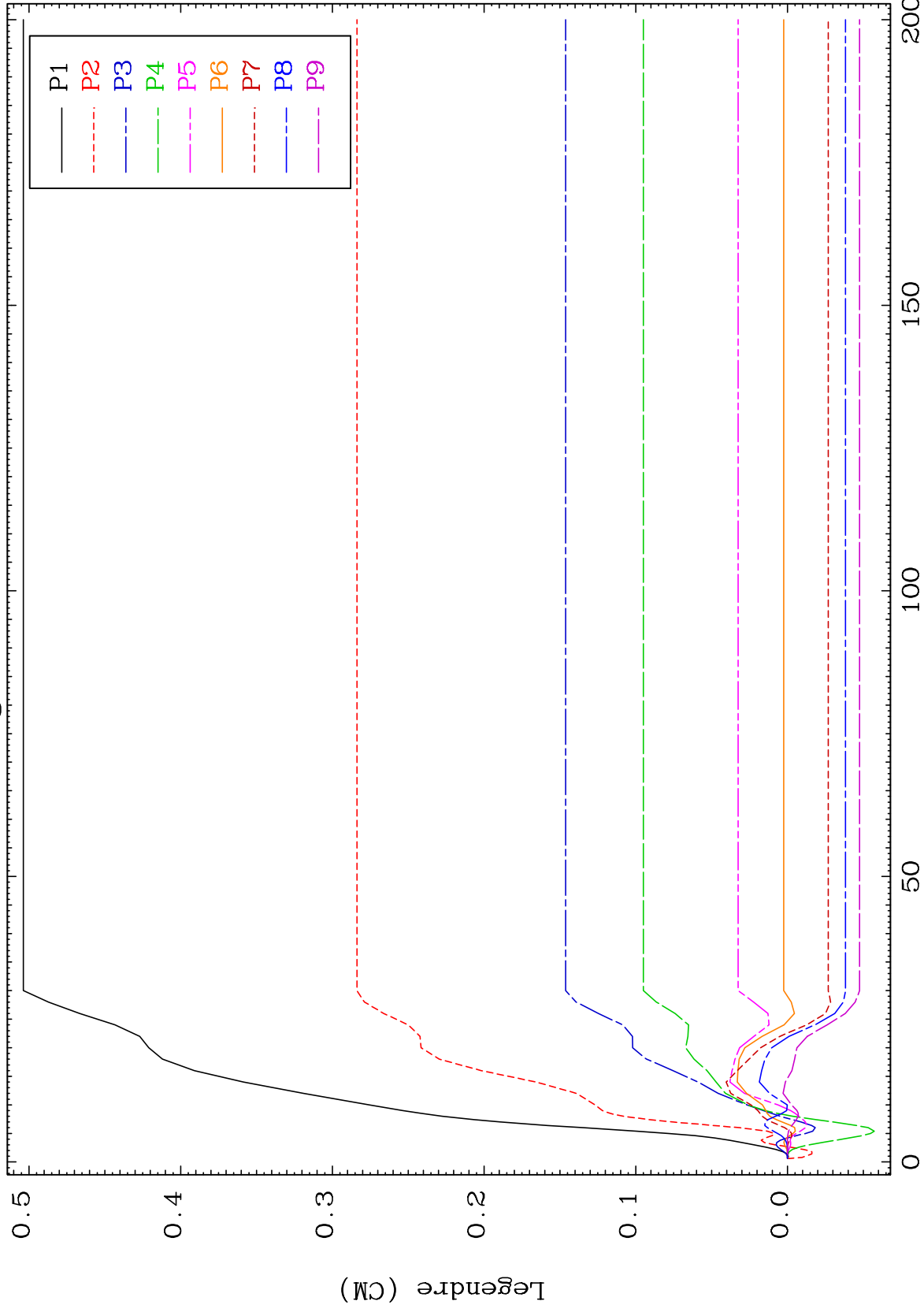
55-Cs-123

MAT 5495

MT= 65 (n,n') Level

55-Cs-123

Legendre Coefficients



74

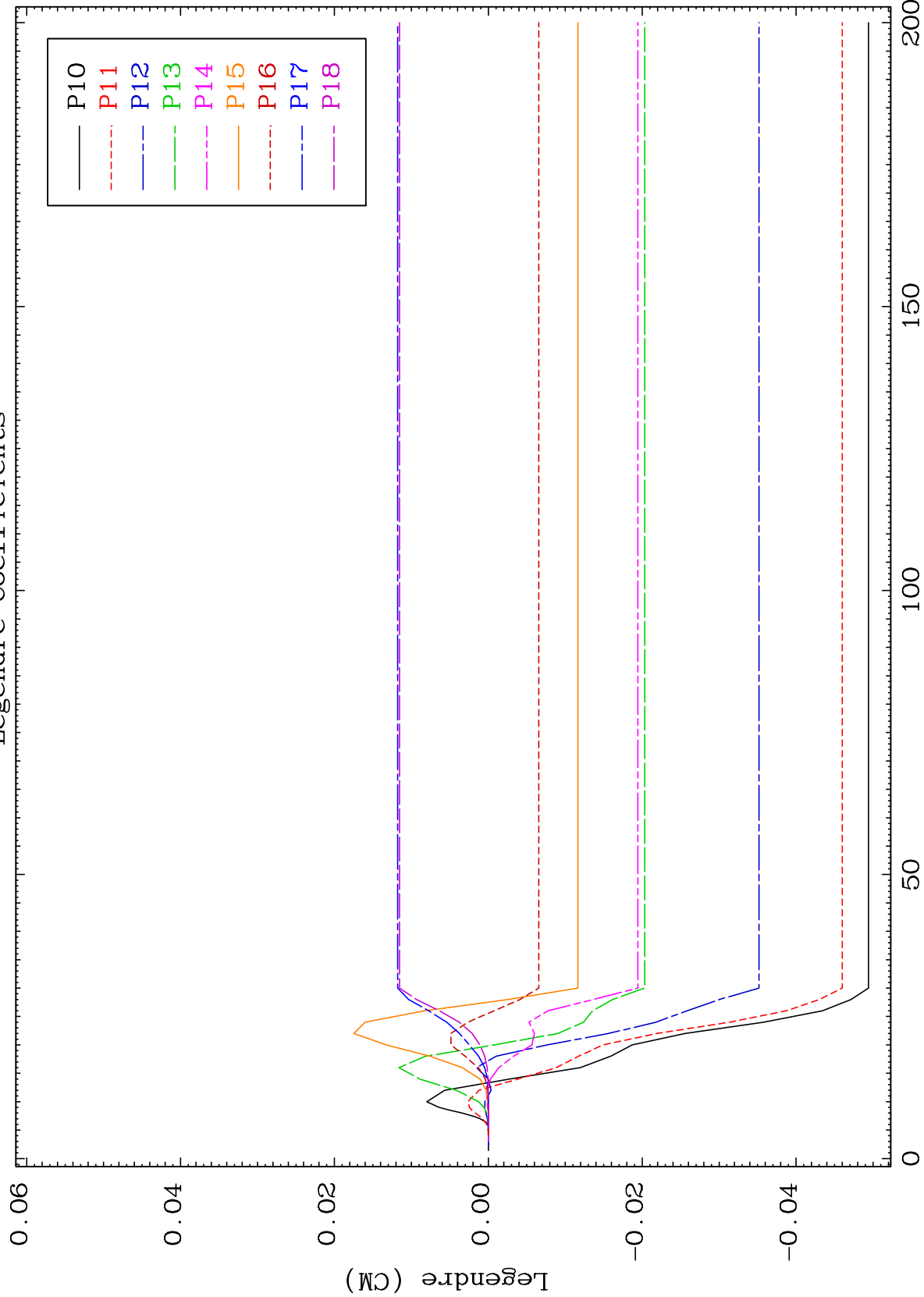
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



75

Incident Energy (MeV)

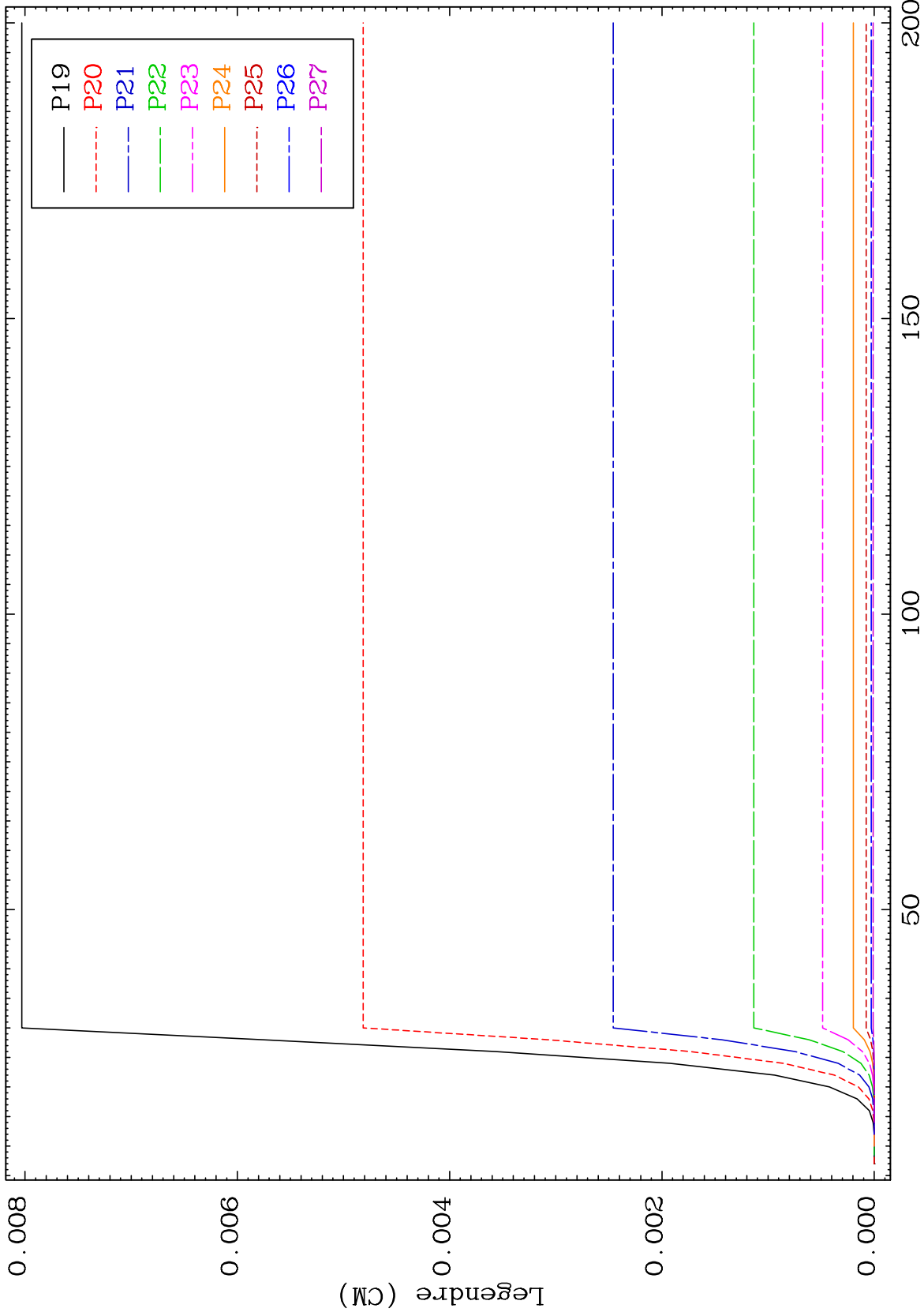
55-Cs-123

MAT 5495

MT= 65 (n,n') Level

55-Cs-123

Legendre Coefficients



76

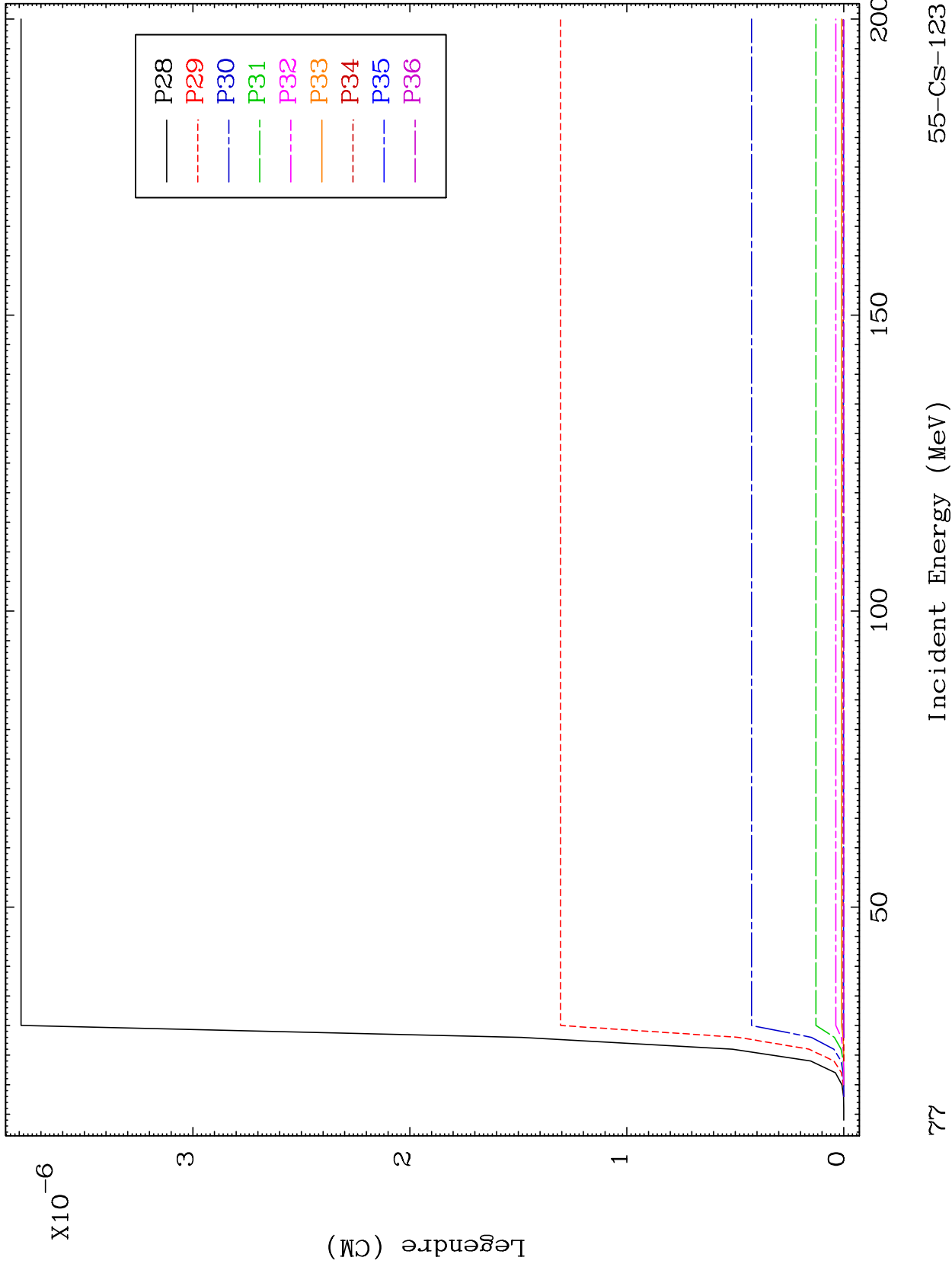
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

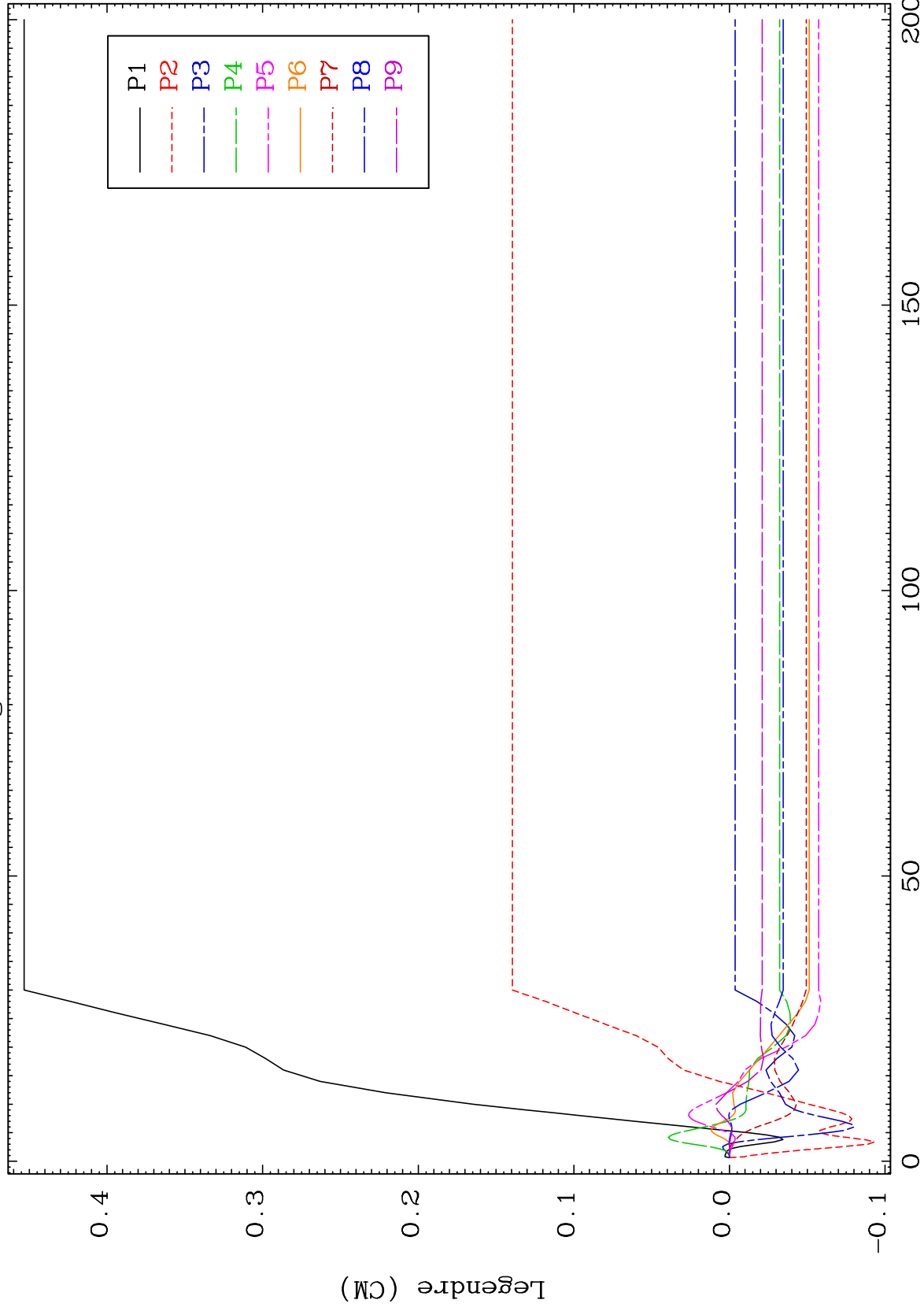
55-Cs-123



MAT 5495

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

55-Cs-123



78

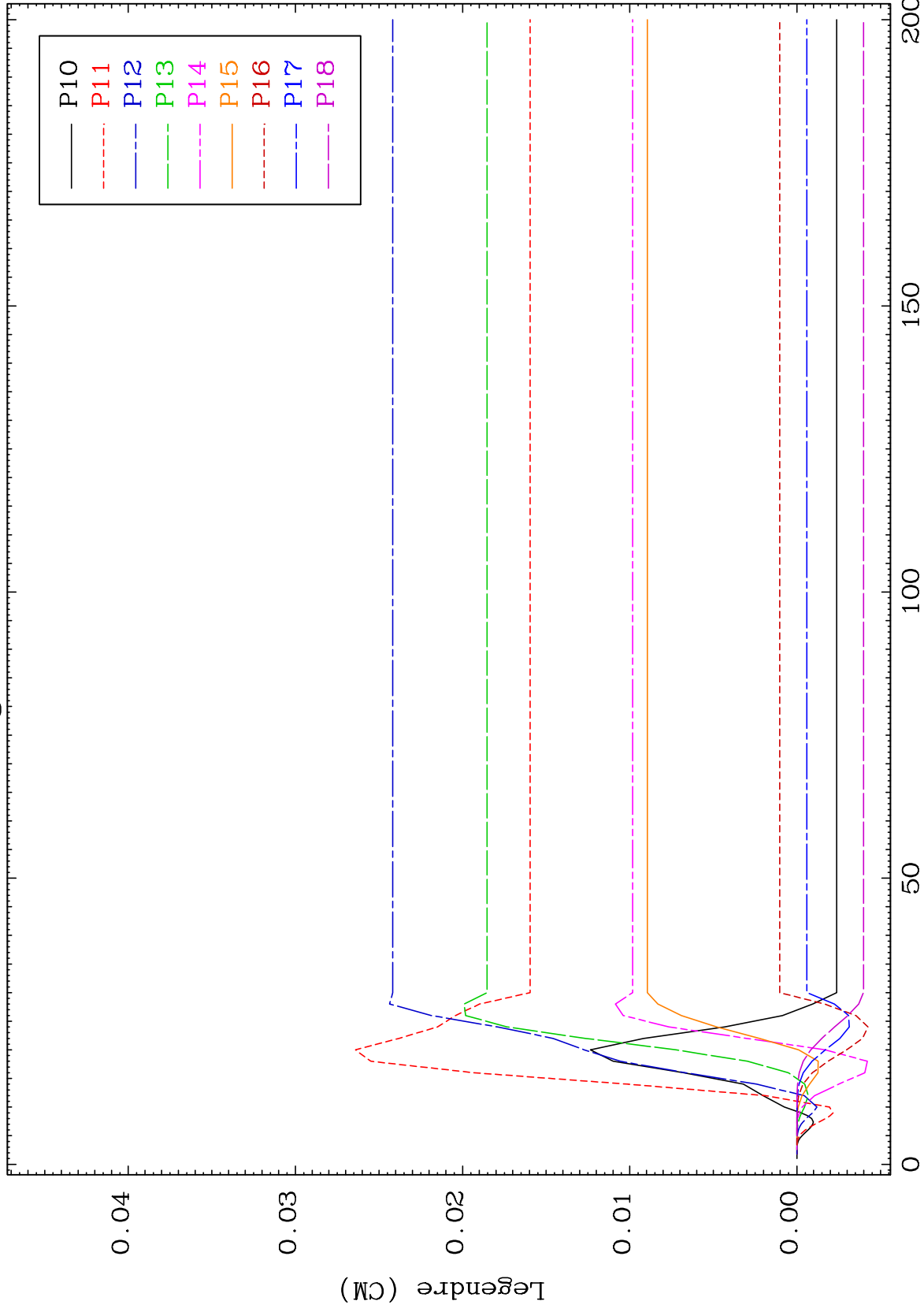
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



79

Incident Energy (MeV)

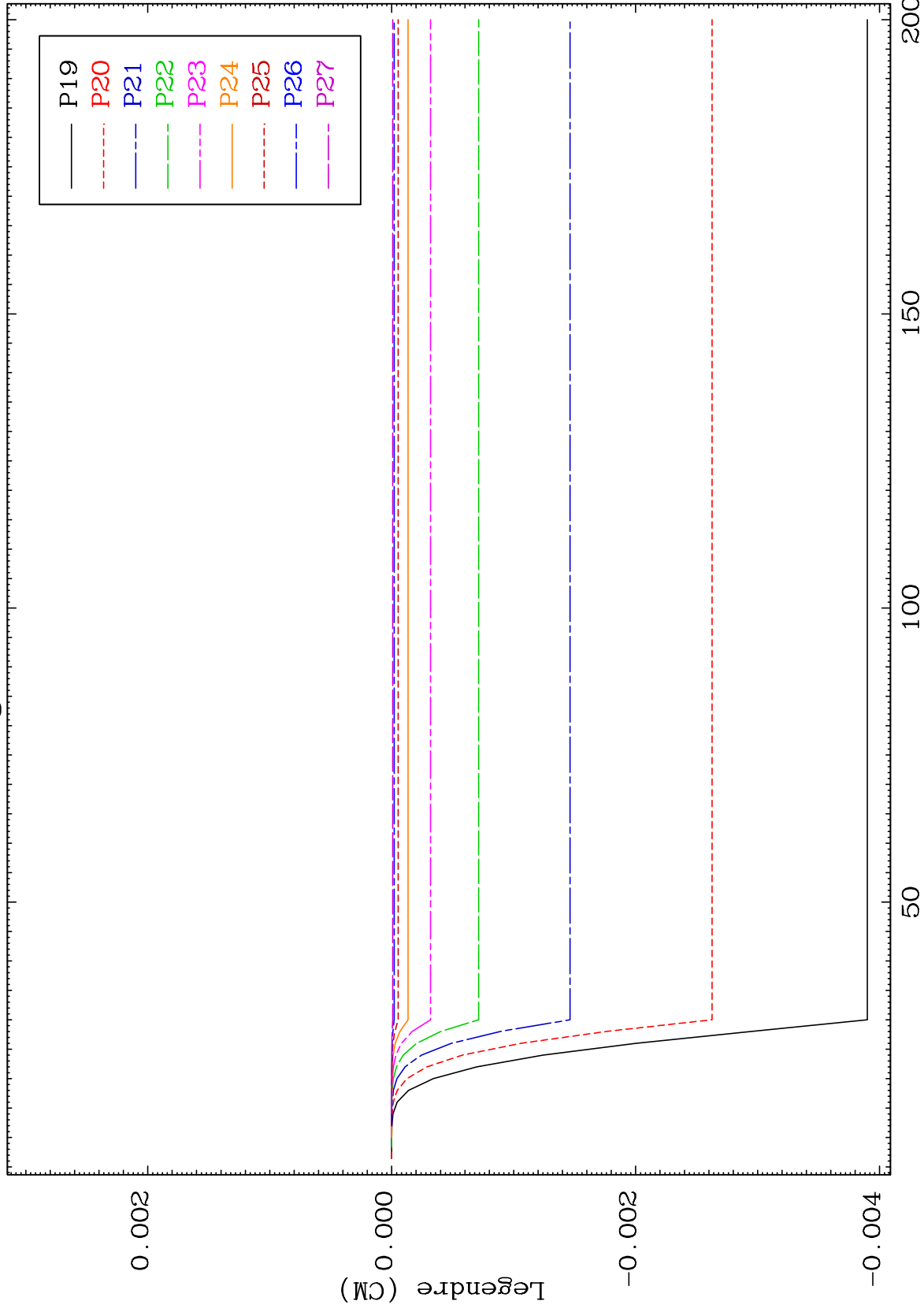
55-Cs-123



MAT 5495

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

55-Cs-123



55-Cs-123

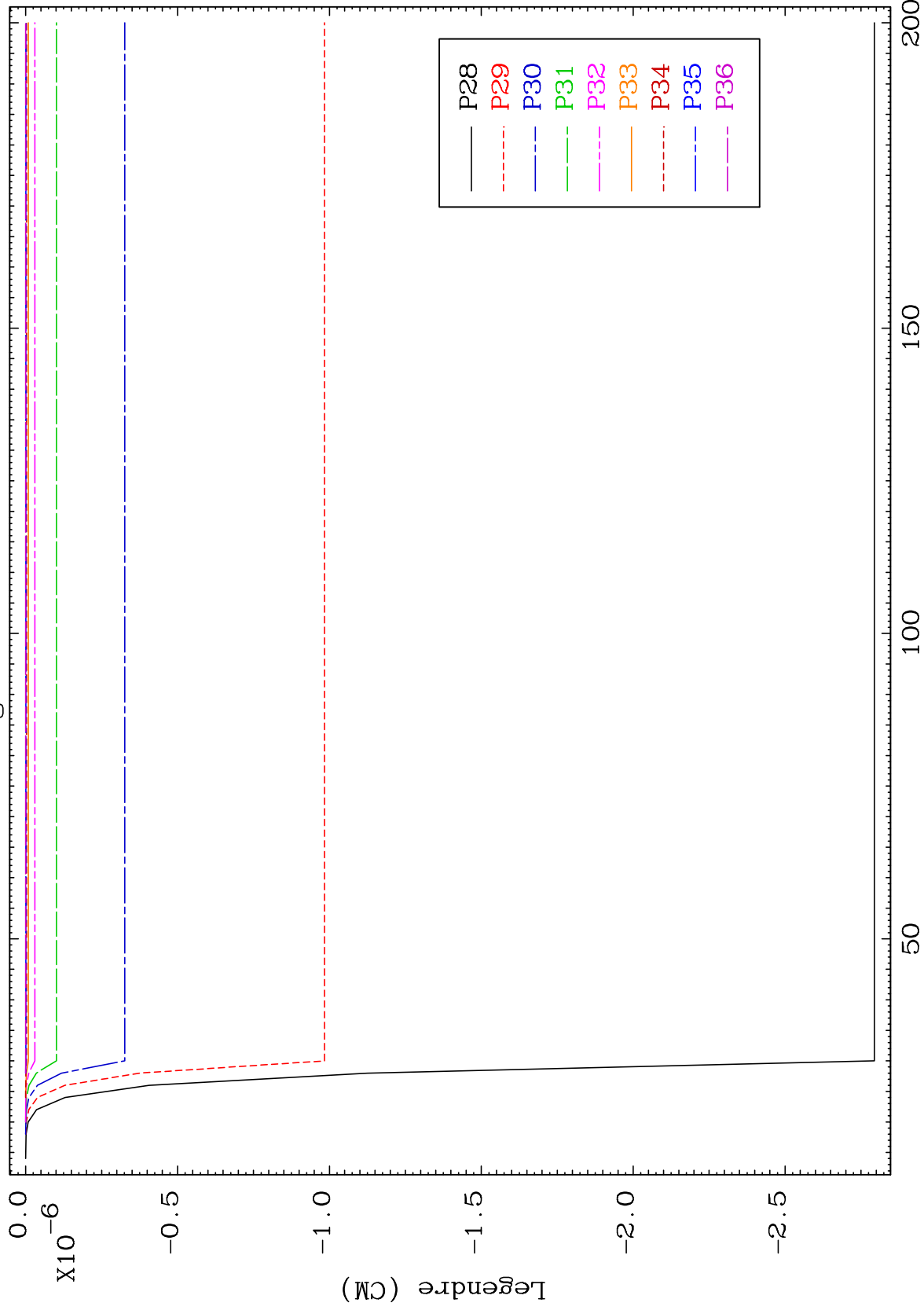
Incident Energy (MeV)

80

MAT 5495

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

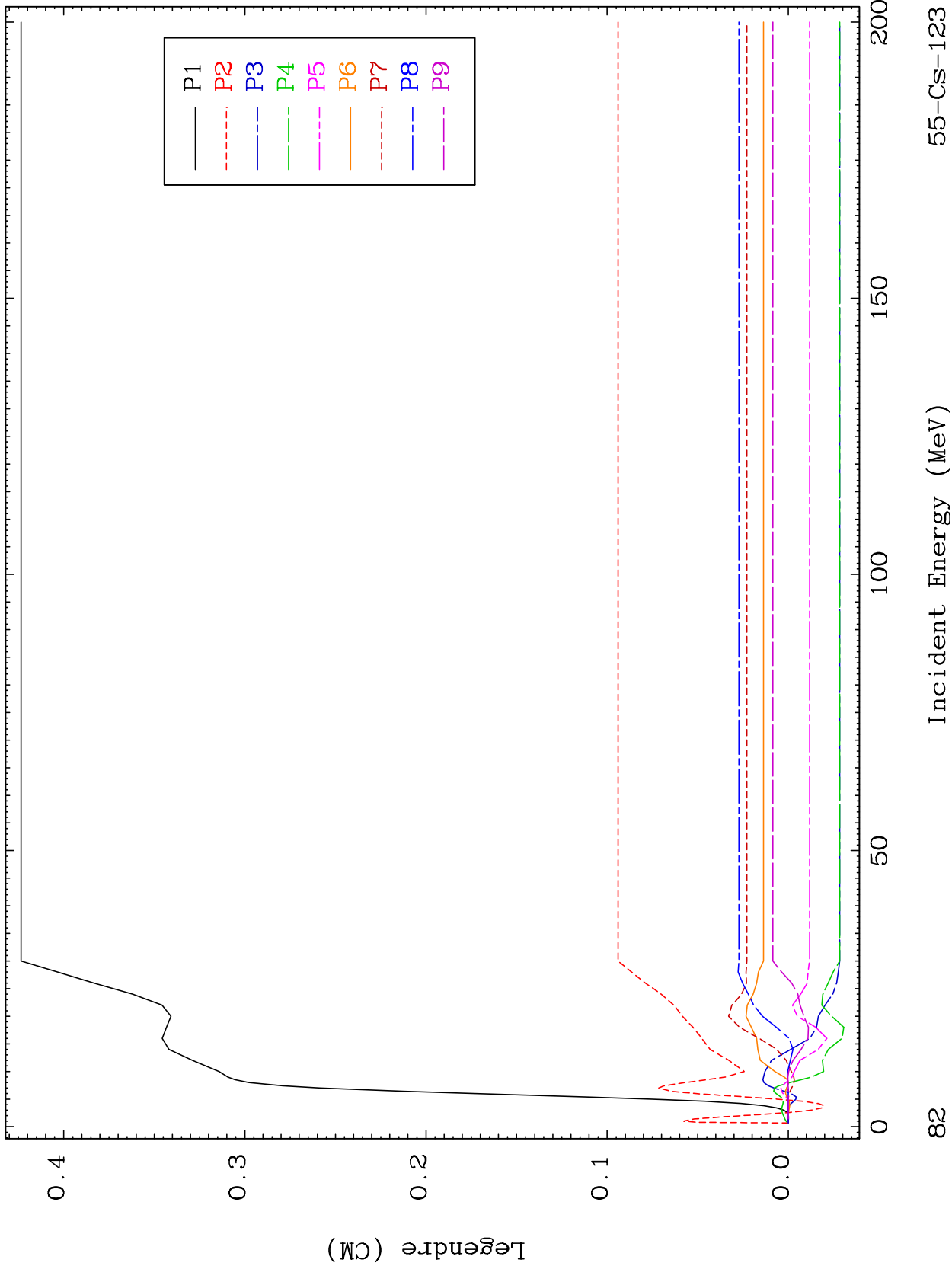
55-Cs-123



MAT 5495

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

55-Cs-123



55-Cs-123

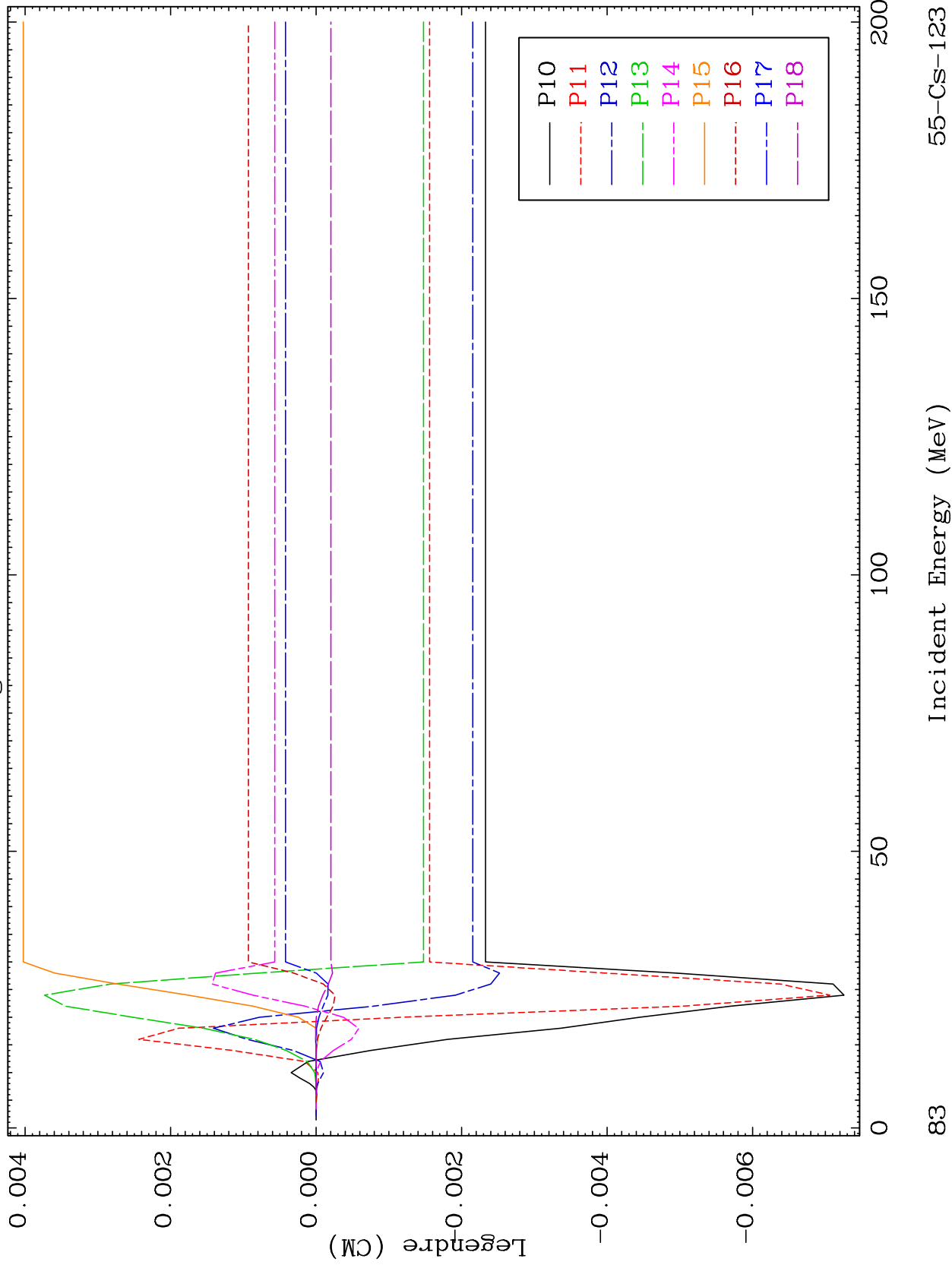
Incident Energy (MeV)

82

MAT 5495

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

55-Cs-123



83

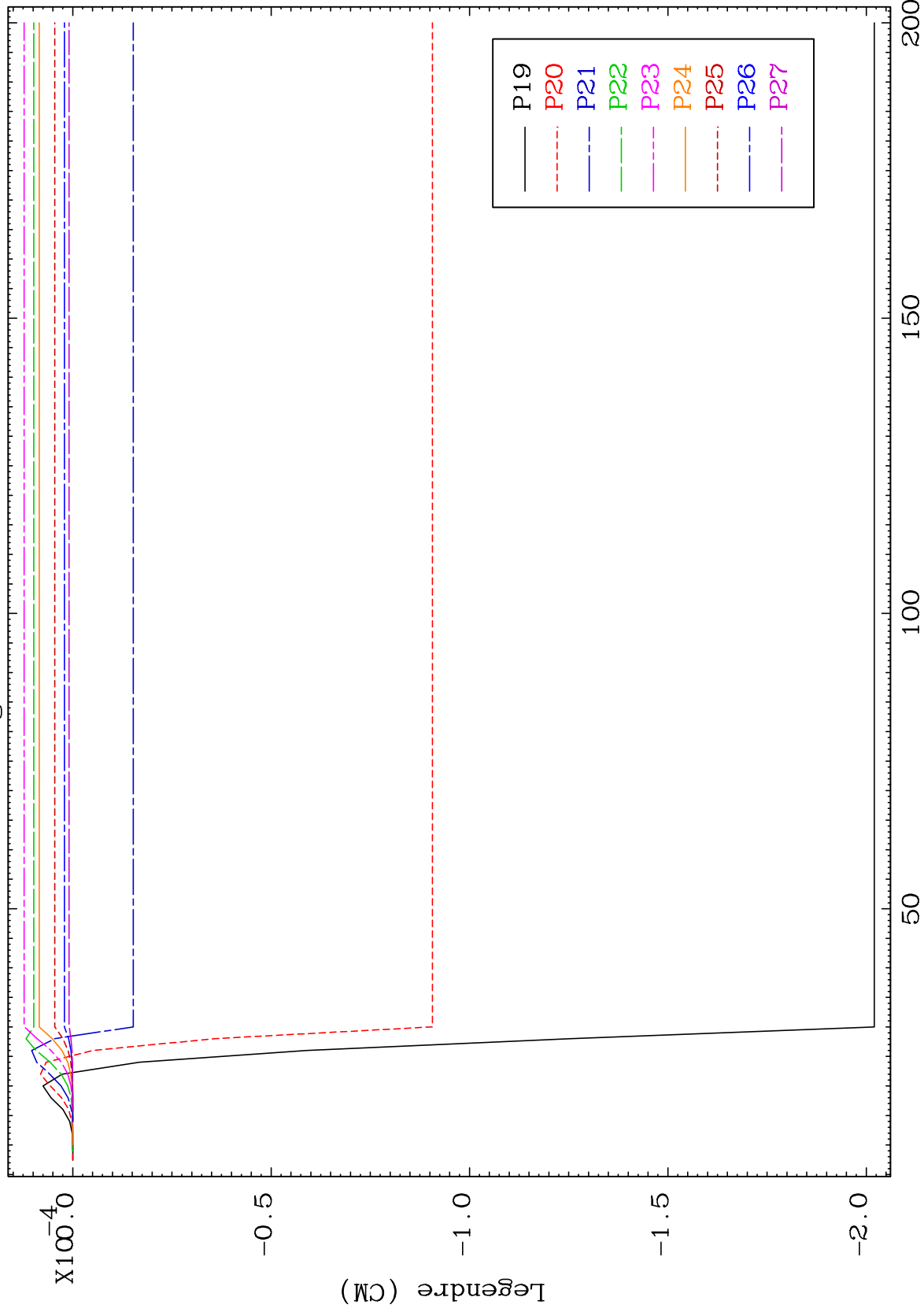
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



84

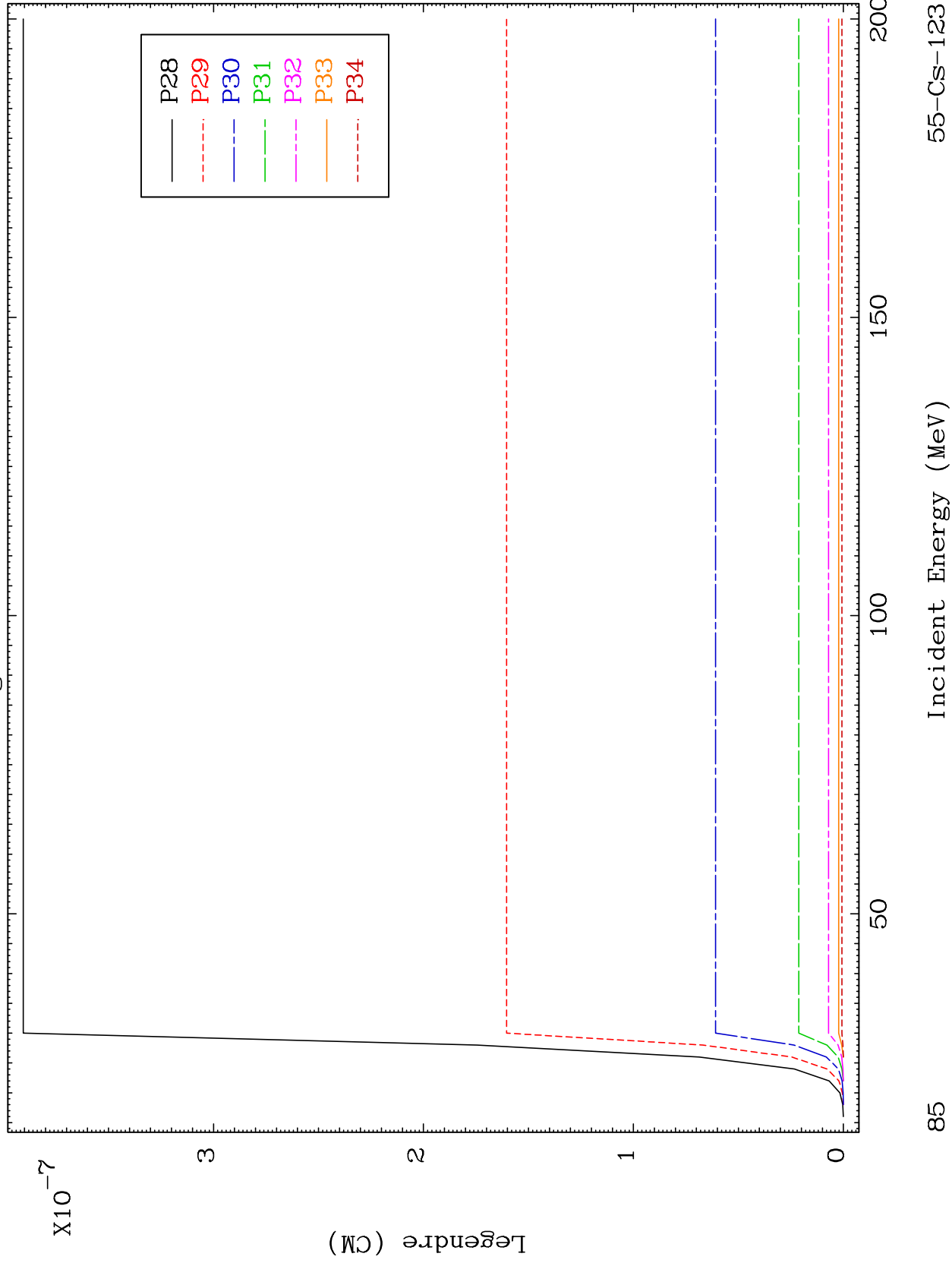
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

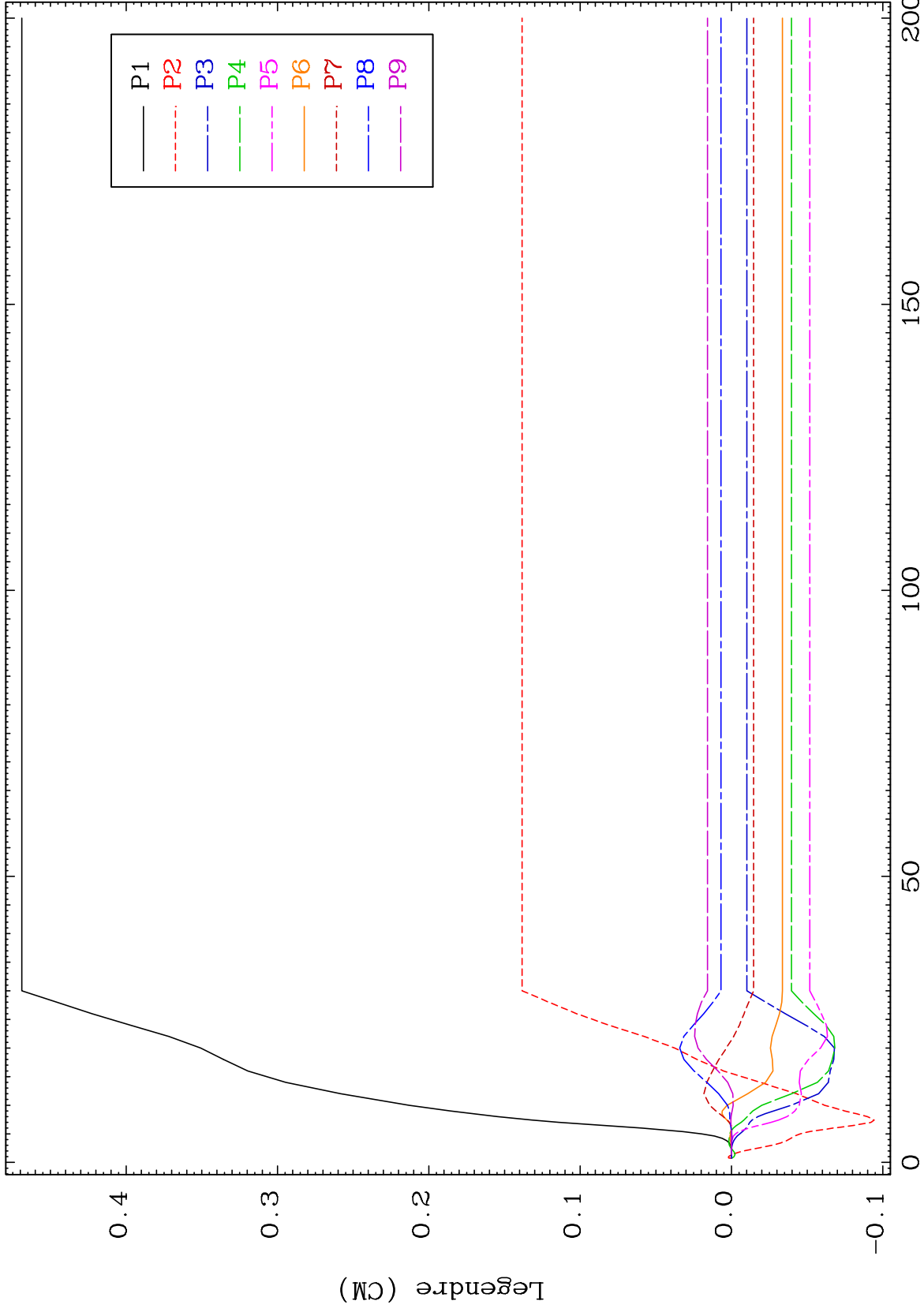
55-Cs-123



MAT 5495

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

55-Cs-123



55-Cs-123

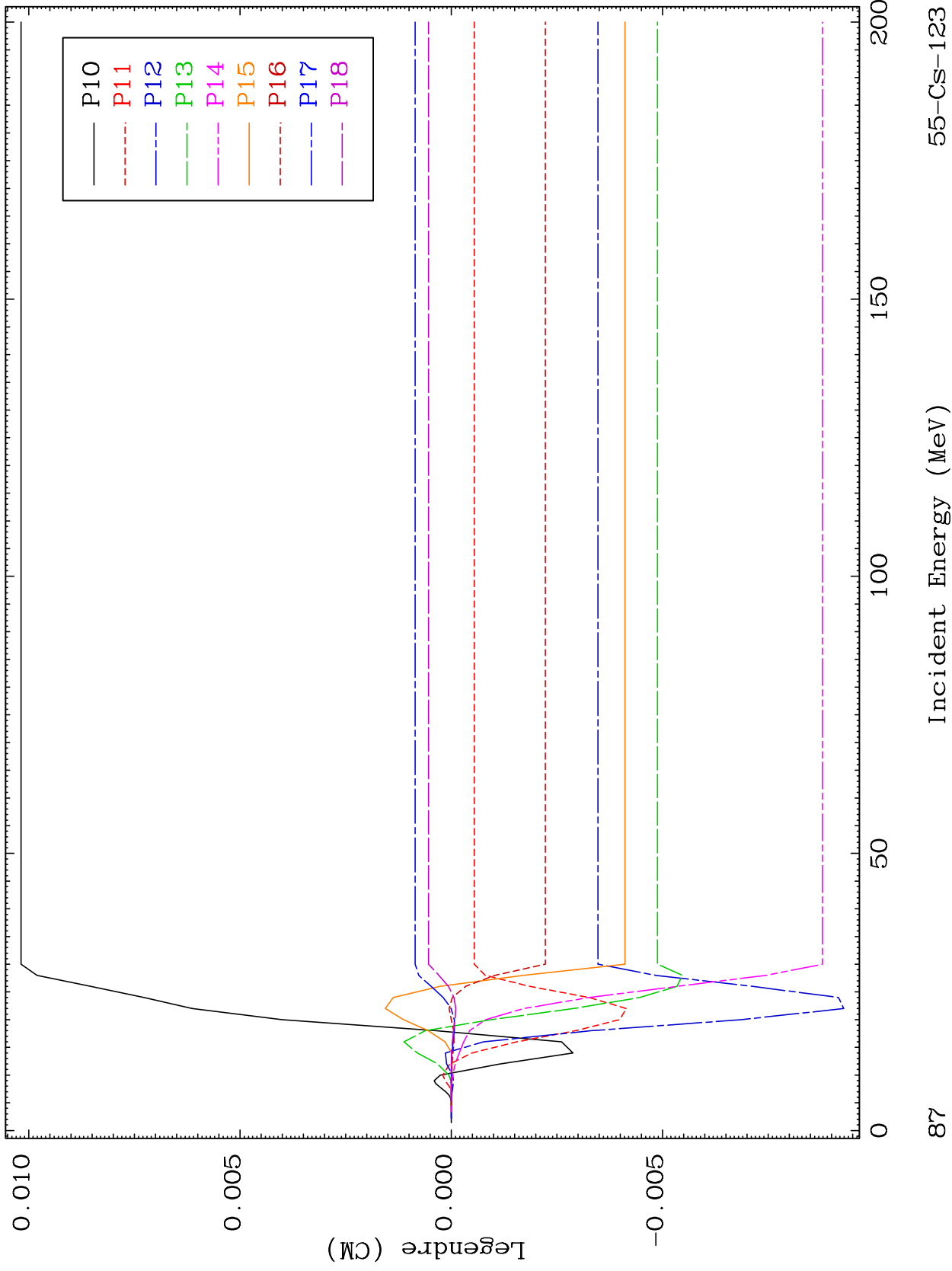
Incident Energy (MeV)

86

MAT 5495

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

55-Cs-123

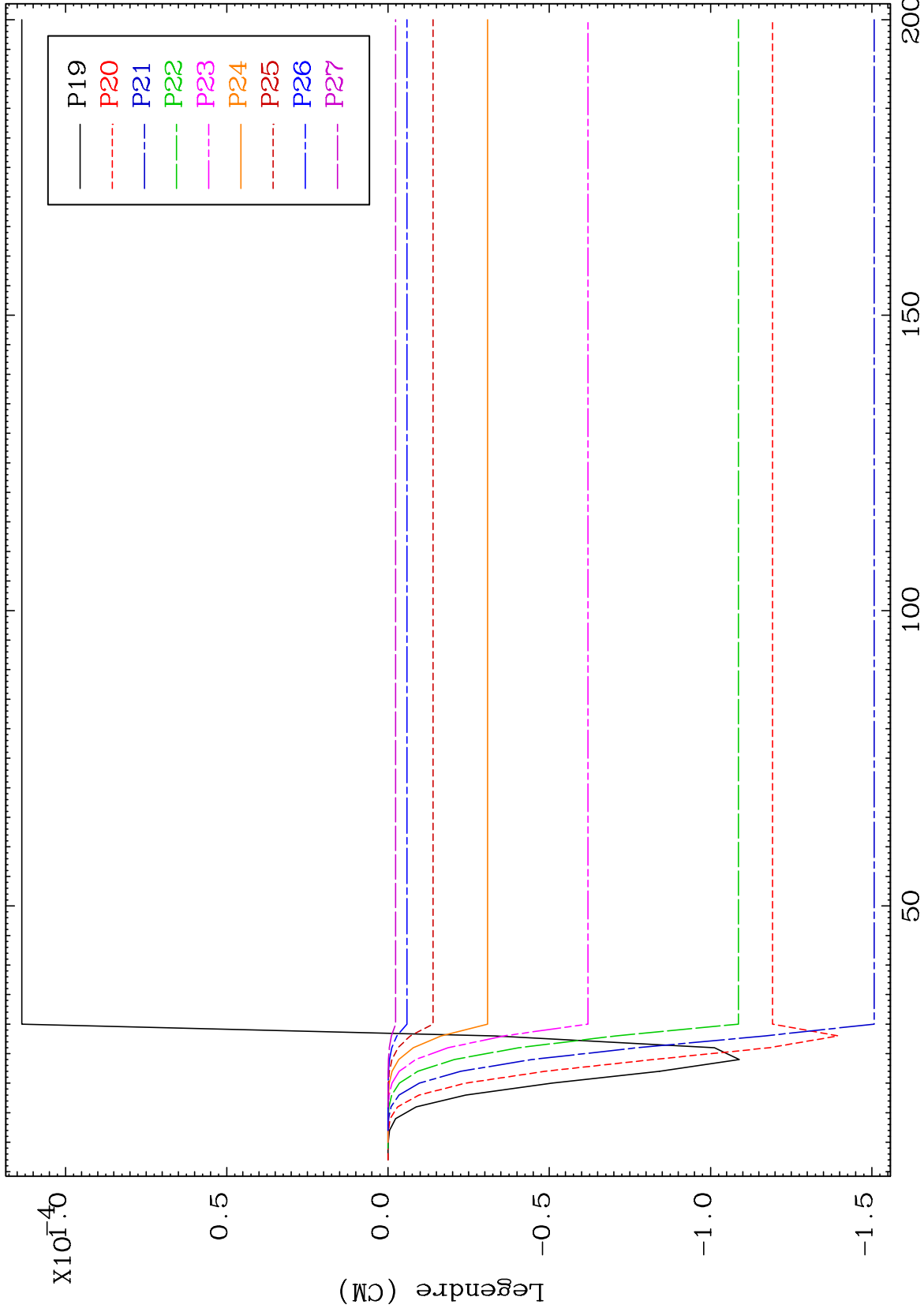


87

Incident Energy (MeV)

55-Cs-123



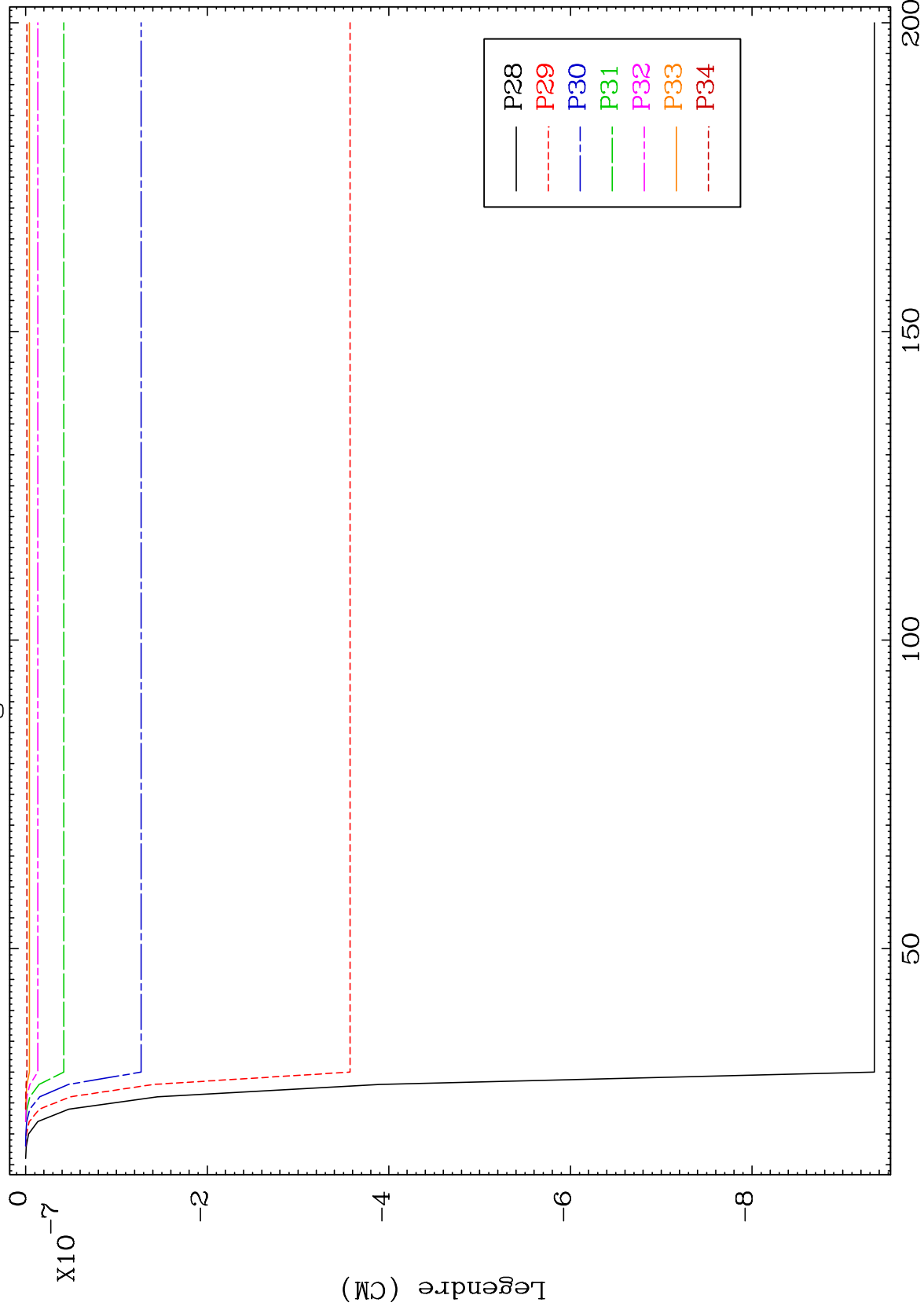


MAT 5495

MT= 68 (n,n') Level

55-Cs-123

Legendre Coefficients



89

Incident Energy (MeV)

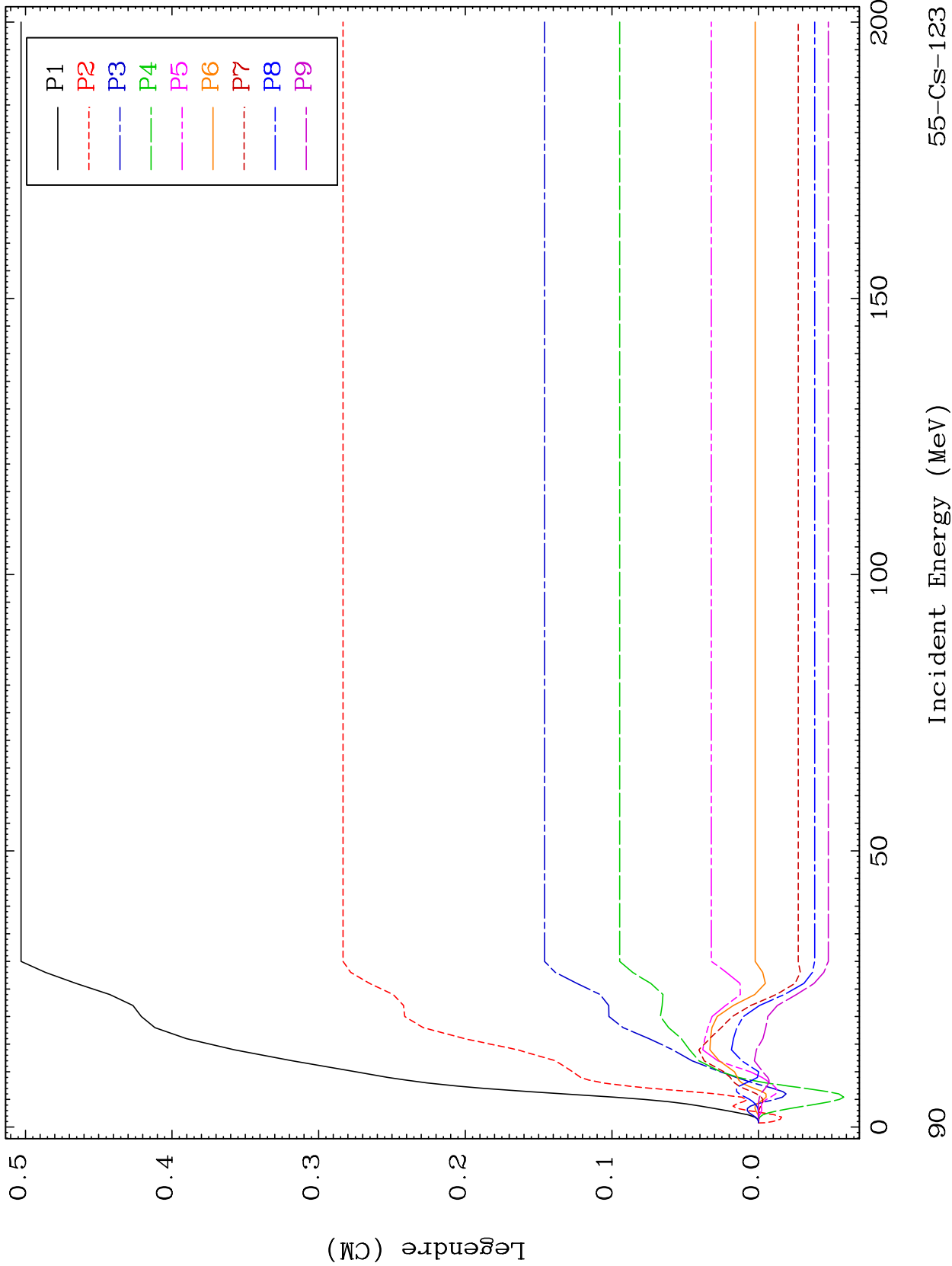
55-Cs-123

MAT 5495

MT= 69 (n,n') Level

55-Cs-123

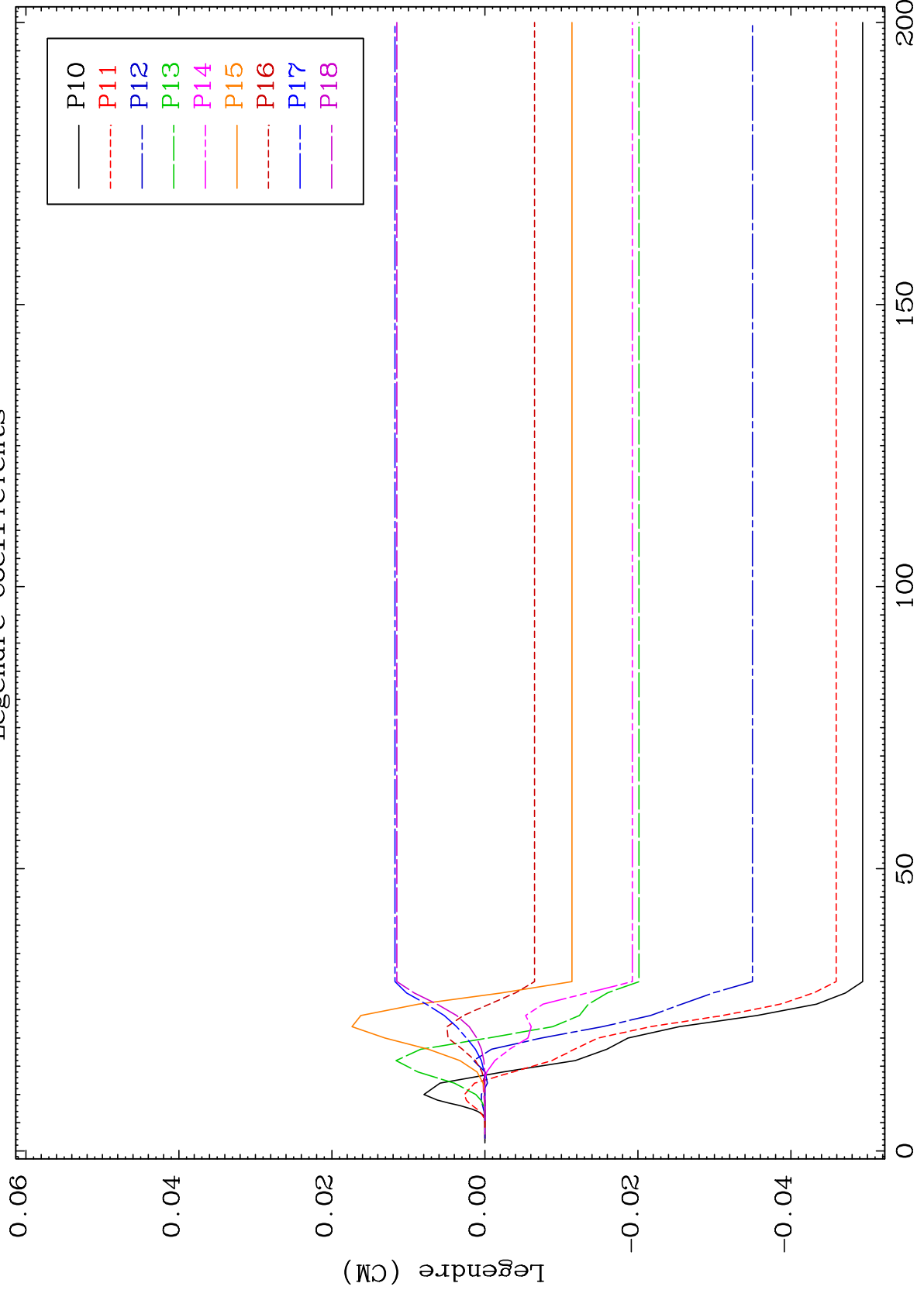
Legendre Coefficients



MAT 5495

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

55-Cs-123



91

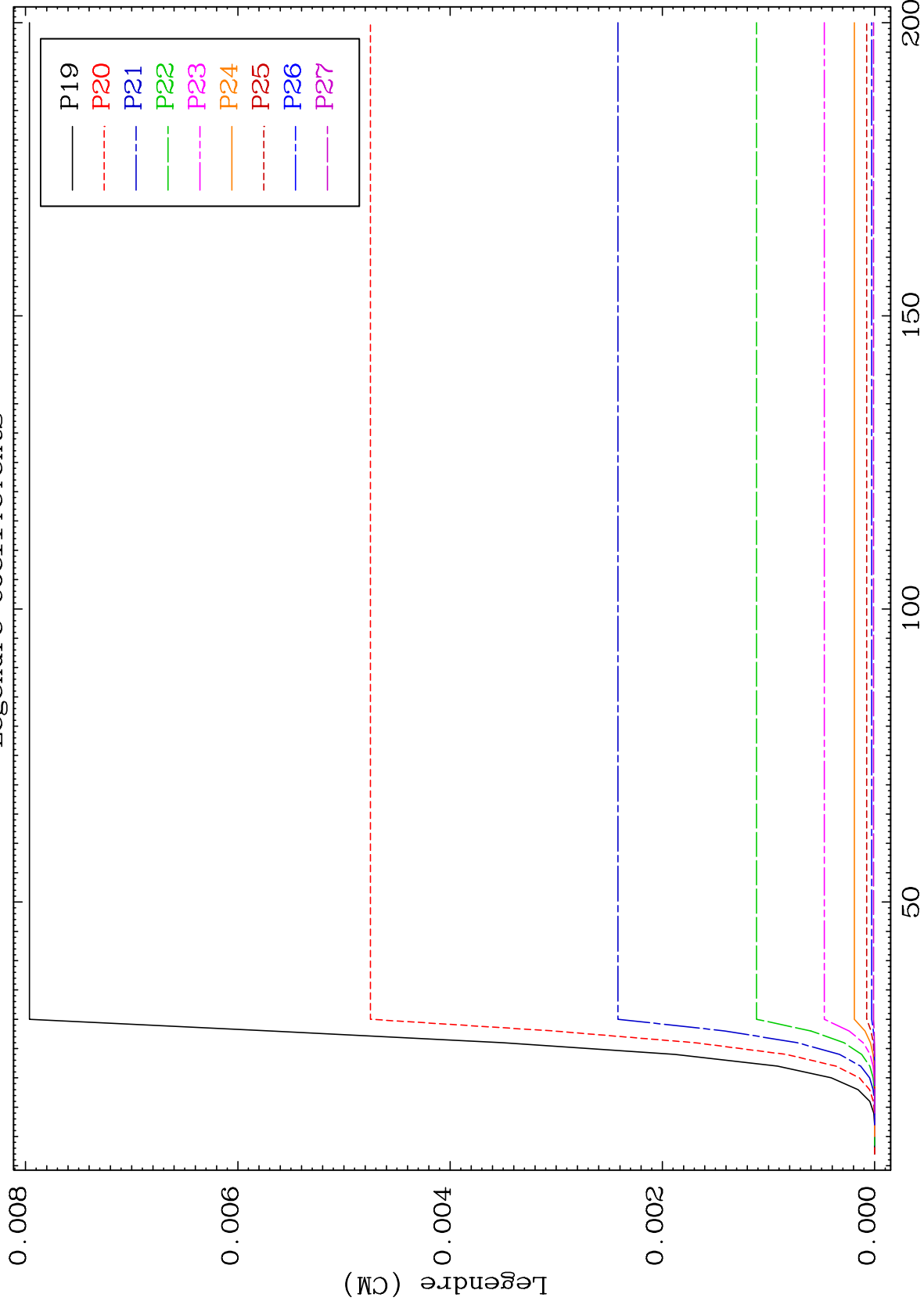
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



92

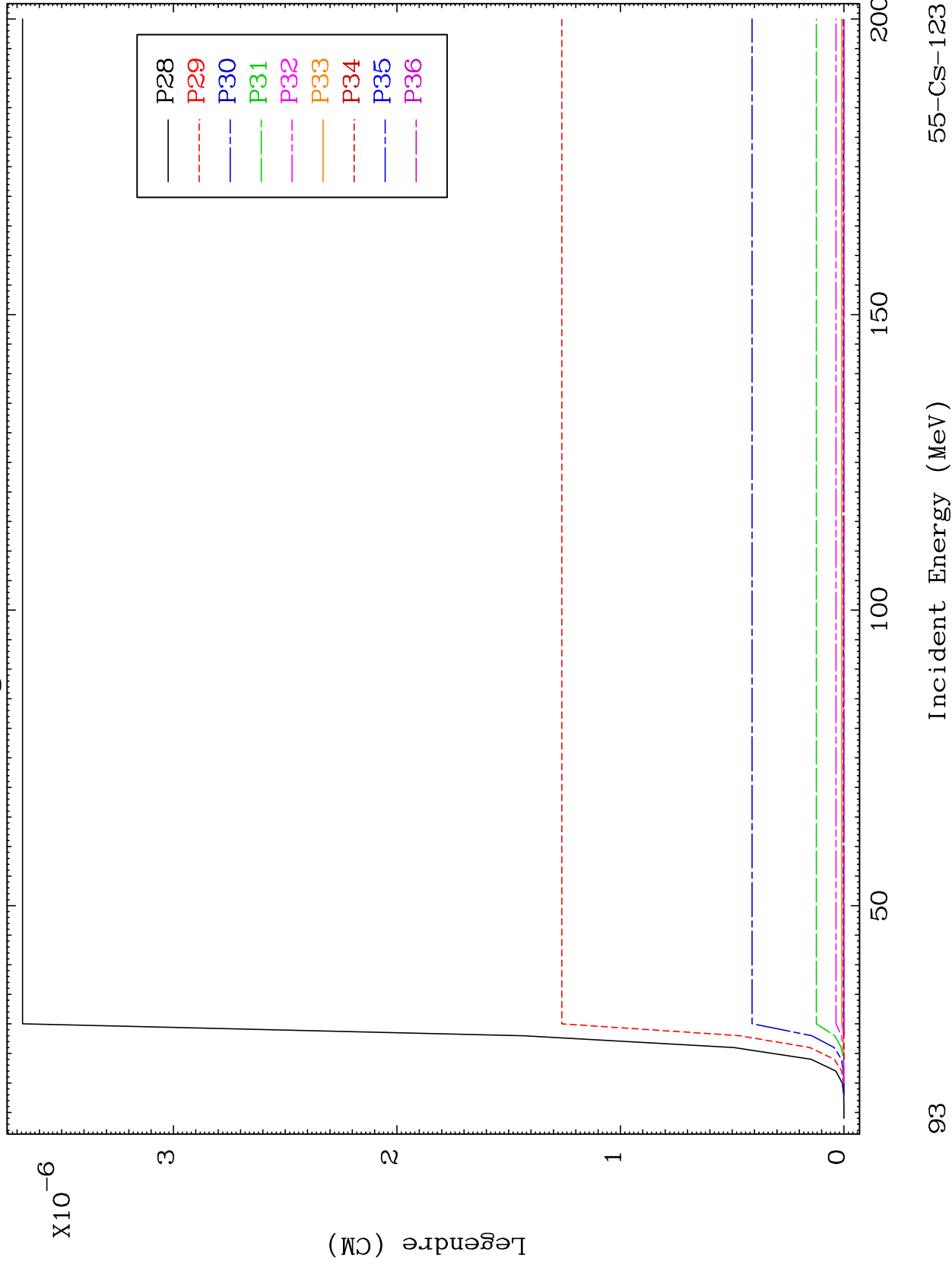
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

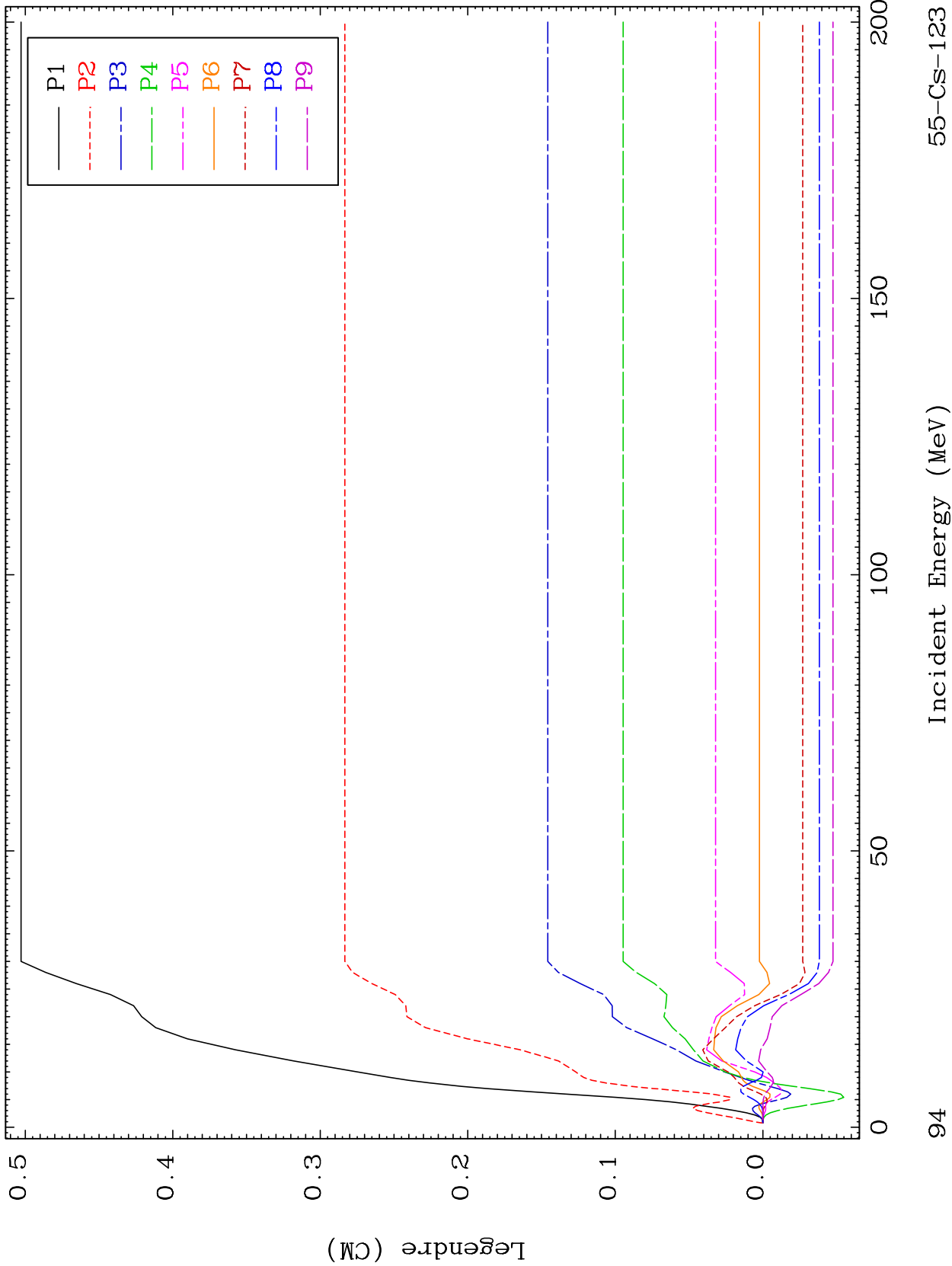
55-Cs-123



MAT 5495

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

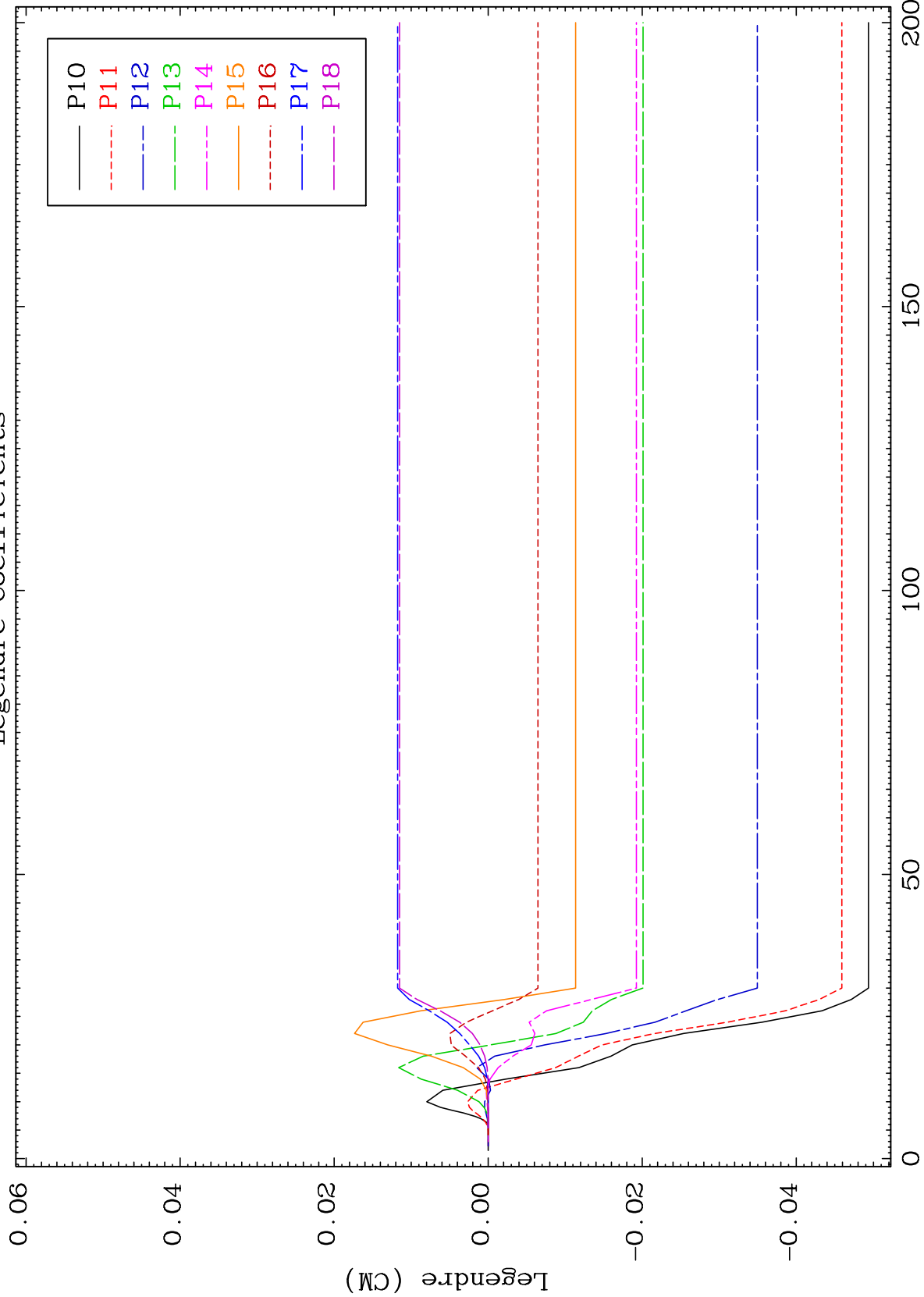
55-Cs-123



MAT 5495

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

55-Cs-123



95

Incident Energy (MeV)

55-Cs-123

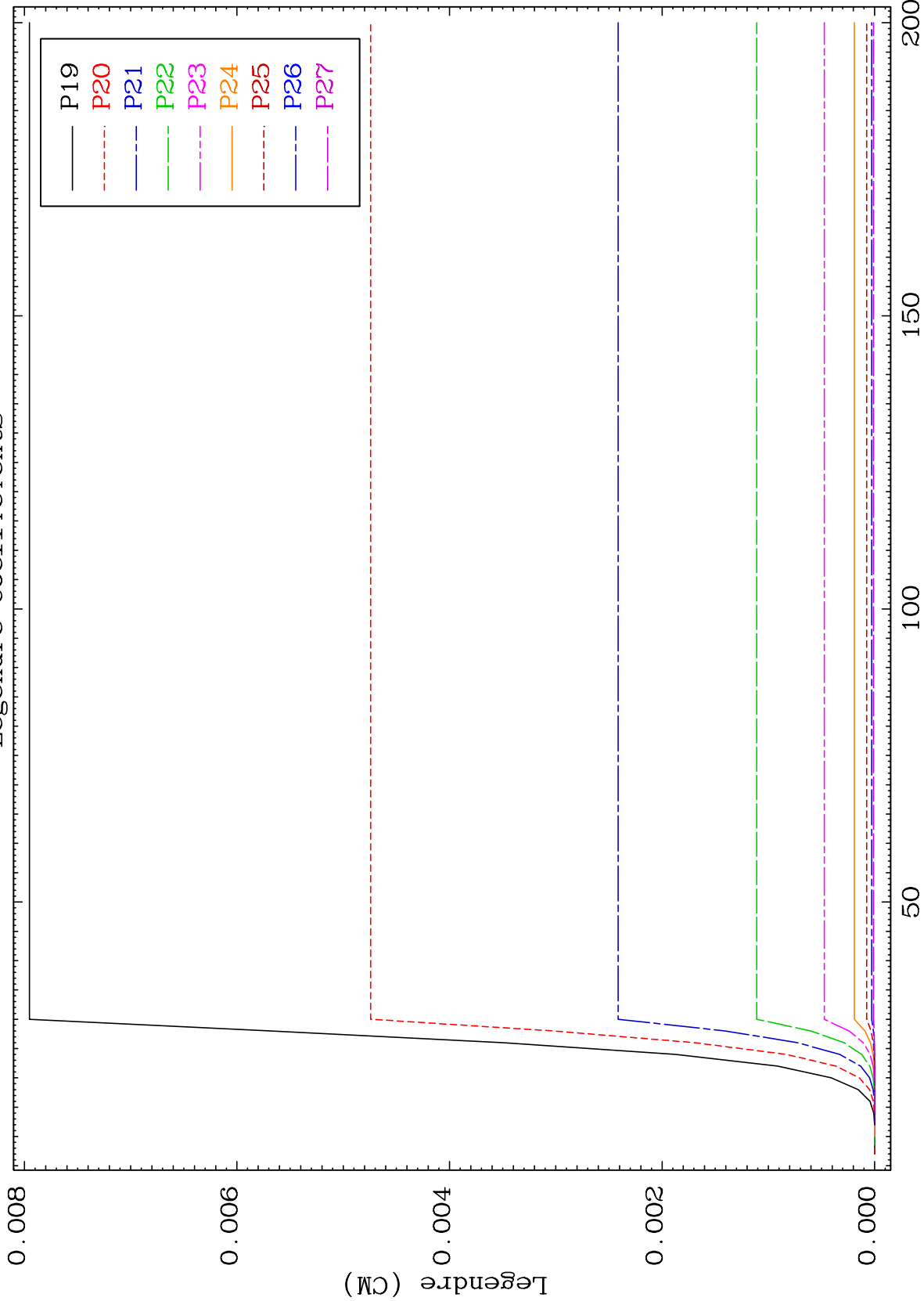


MAT 5495

MT= 70 (n,n') Level

55-Cs-123

Legendre Coefficients



96

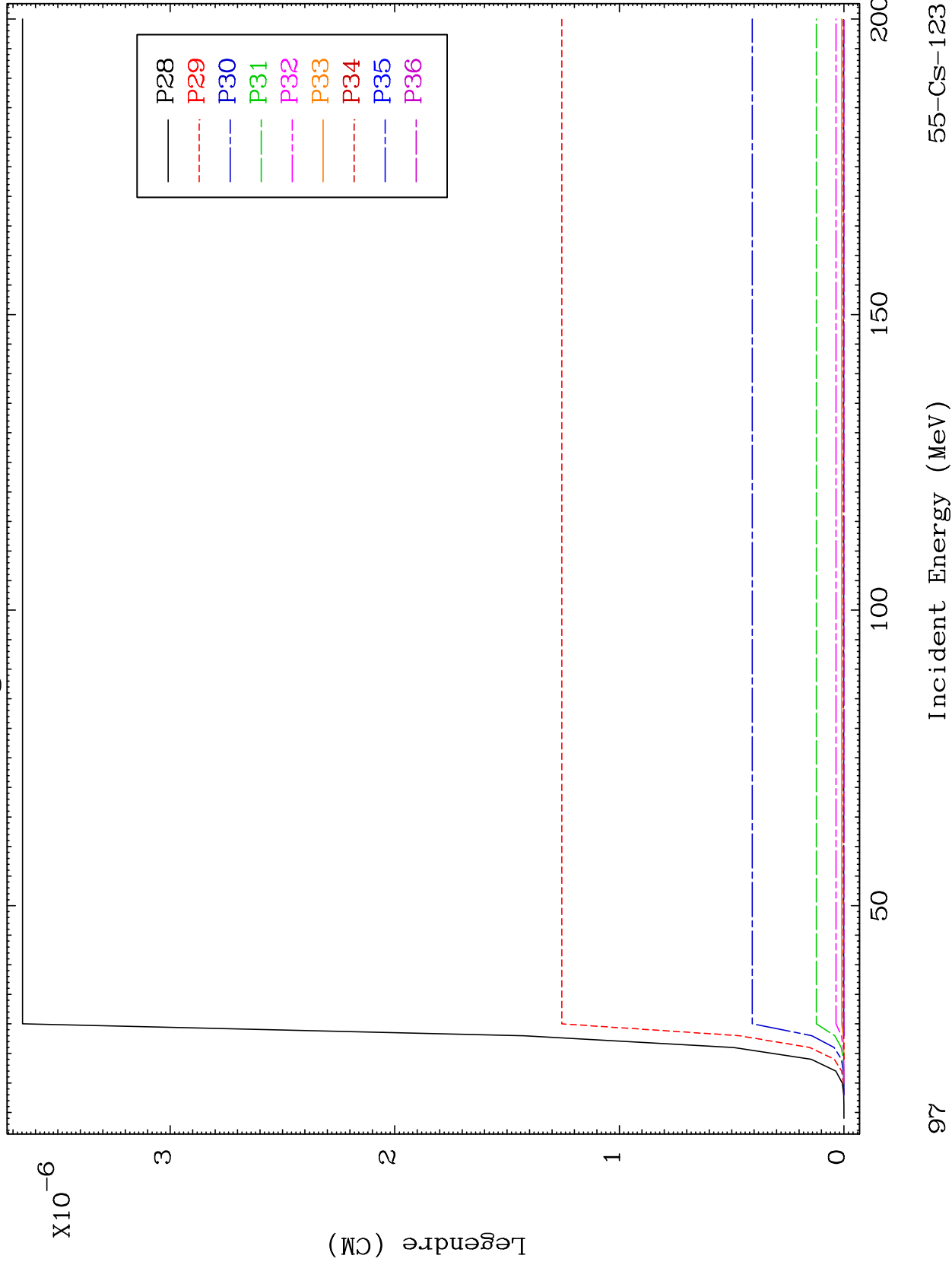
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

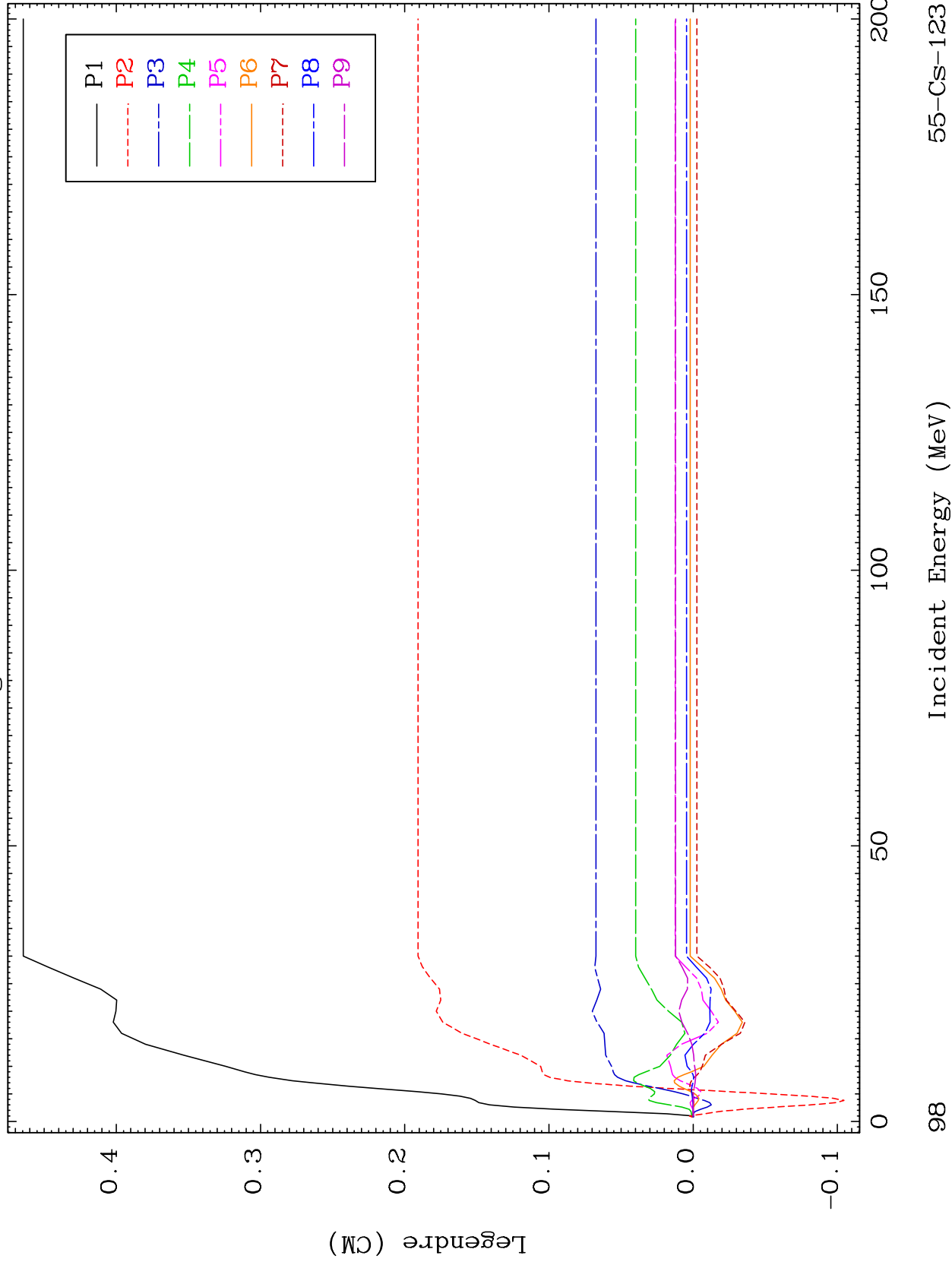
55-Cs-123



MAT 5495

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

55-Cs-123



55-Cs-123

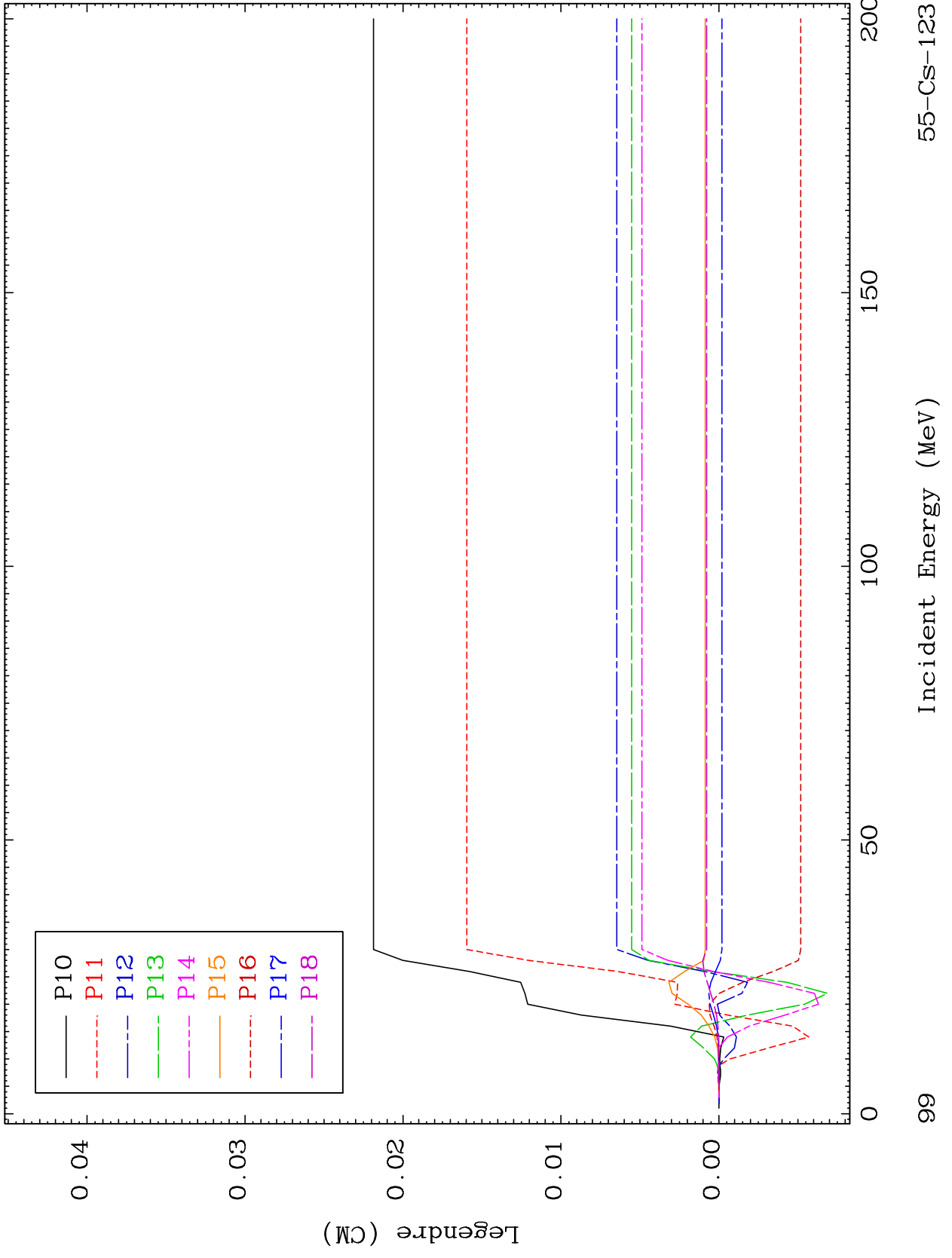
Incident Energy (MeV)

98

MAT 5495

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

55-Cs-123



99

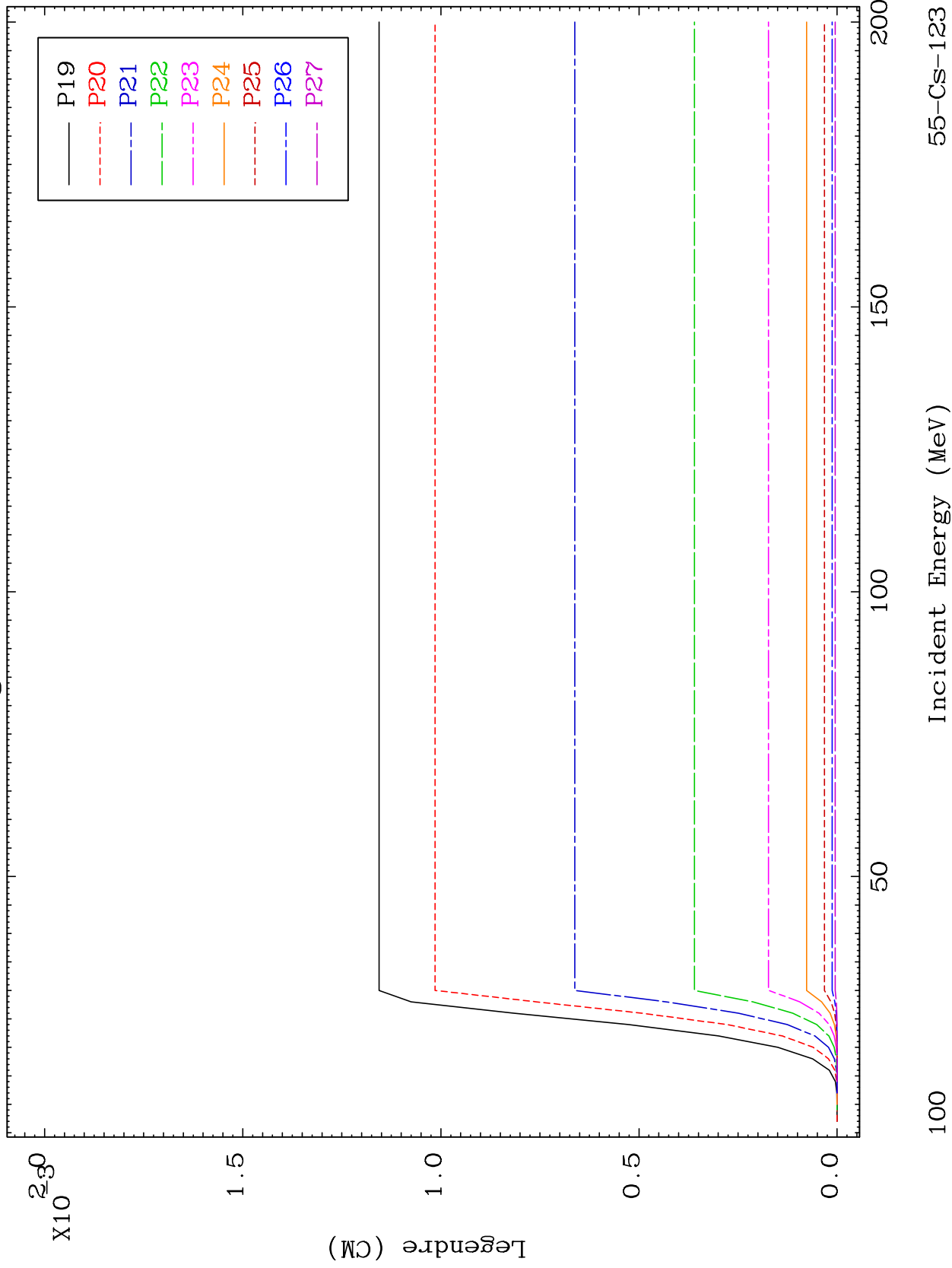
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123

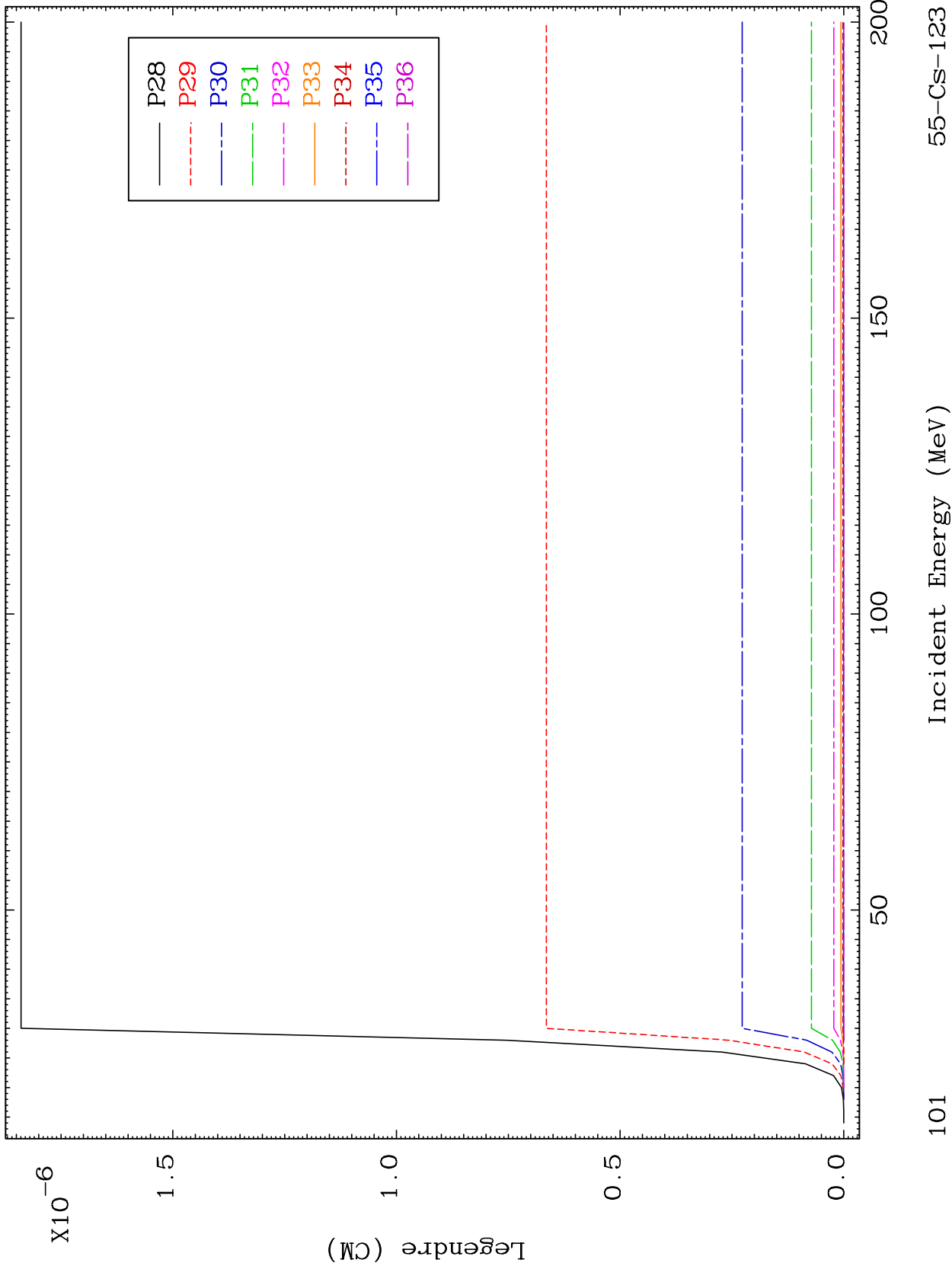


55-Cs-123

MAT 5495

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

55-Cs-123



101

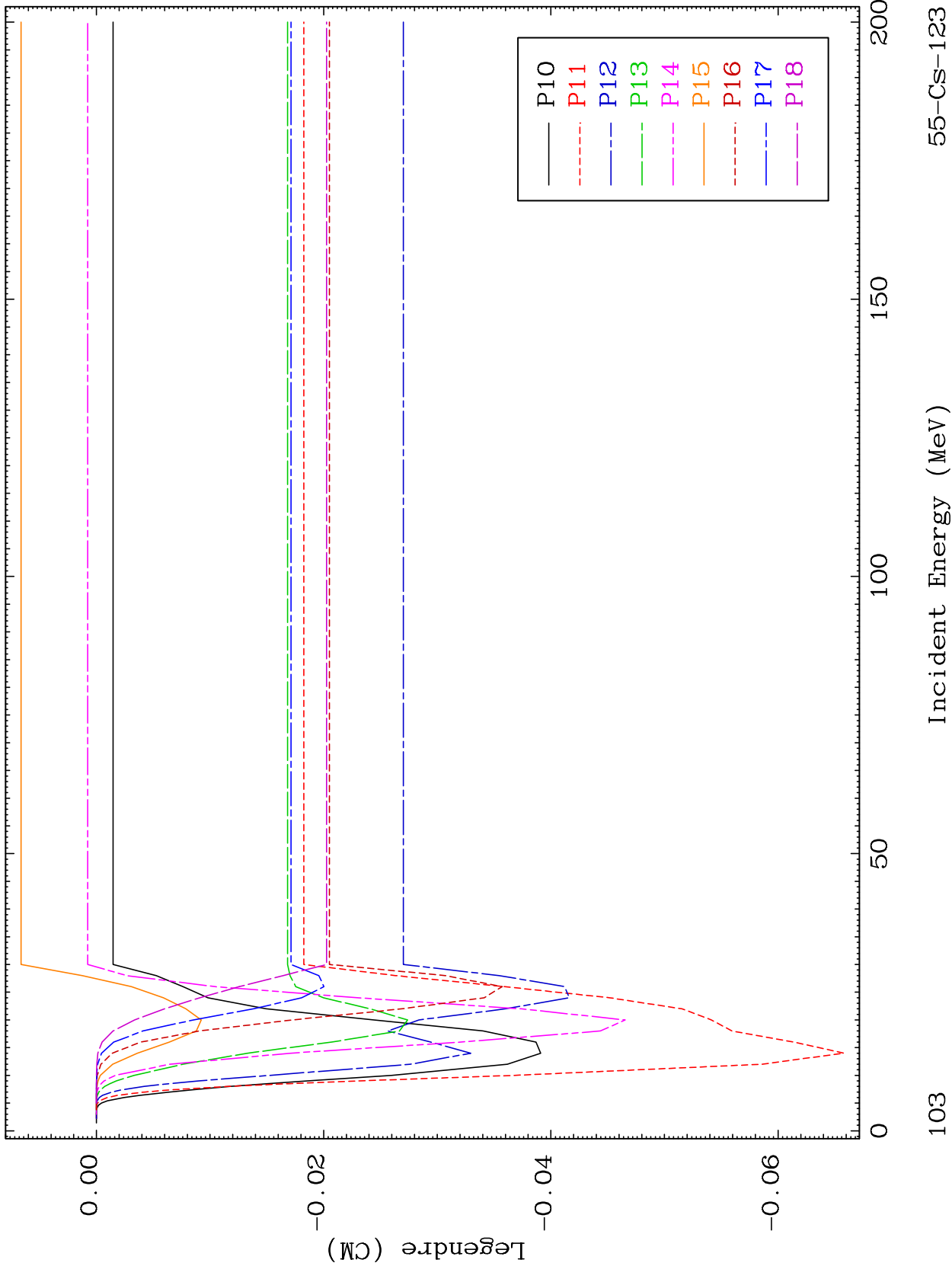
55-Cs-123



MAT 5495

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

55-Cs-123

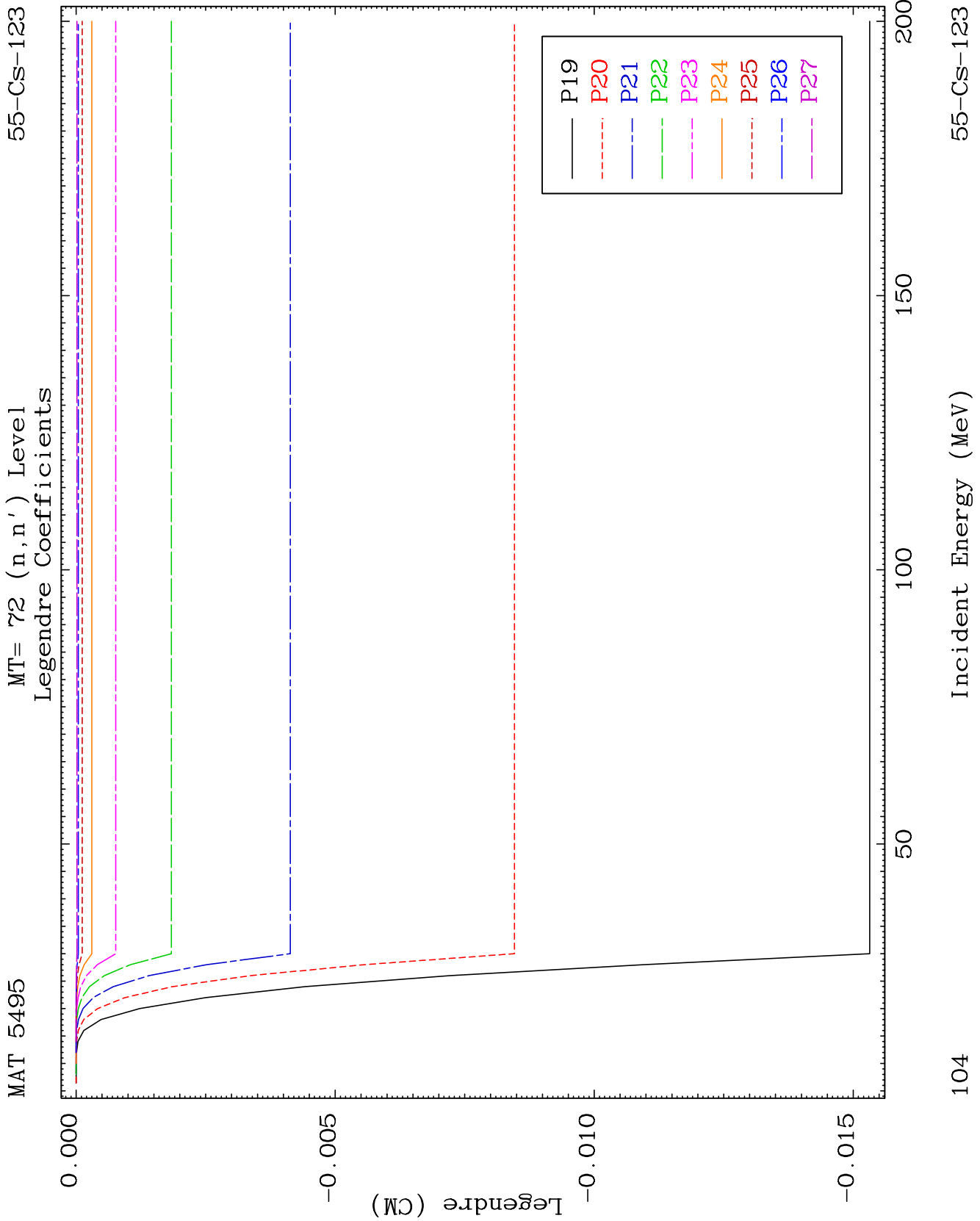


55-Cs-123

Incident Energy (MeV)

103

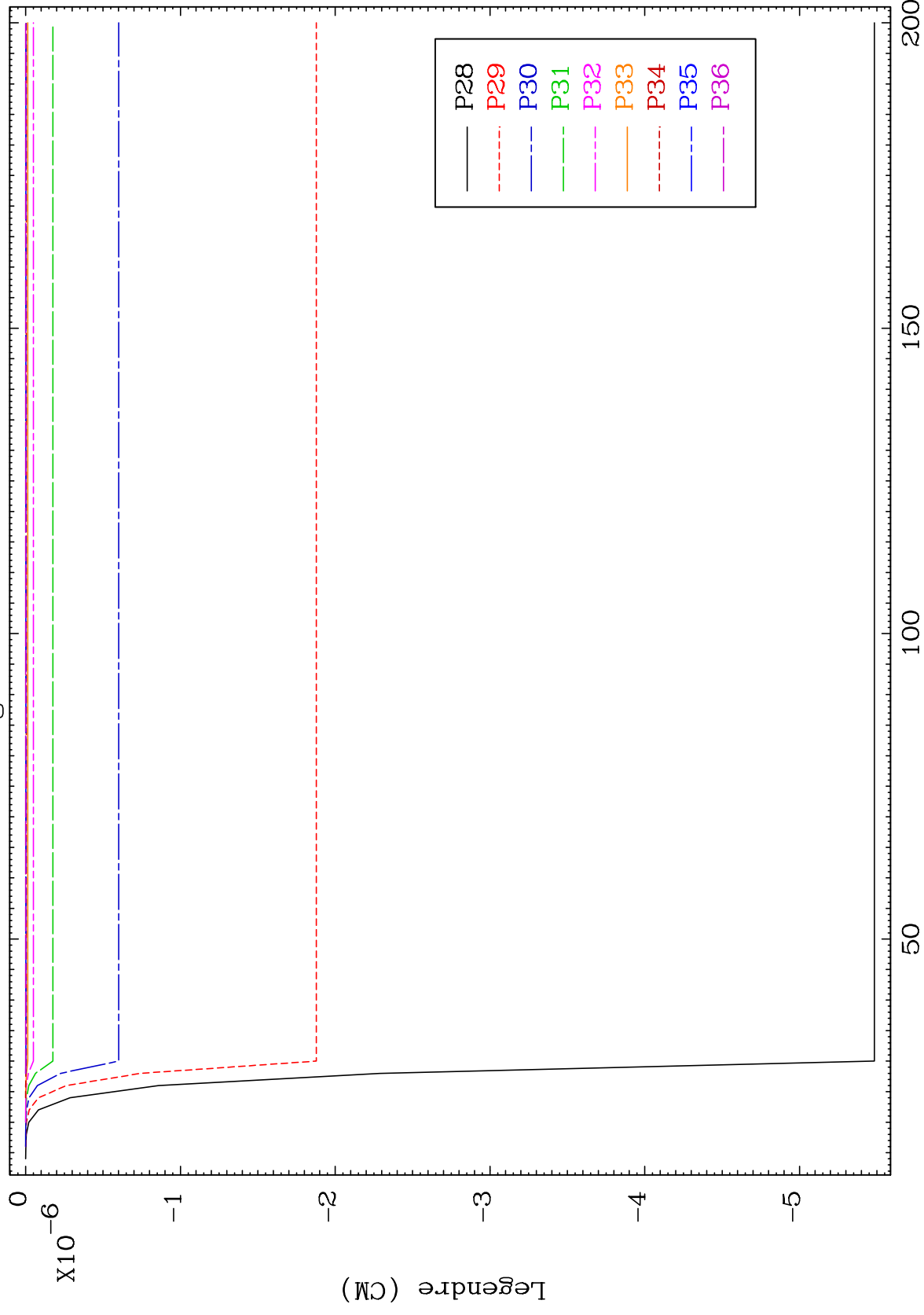




MAT 5495

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

55-Cs-123



105

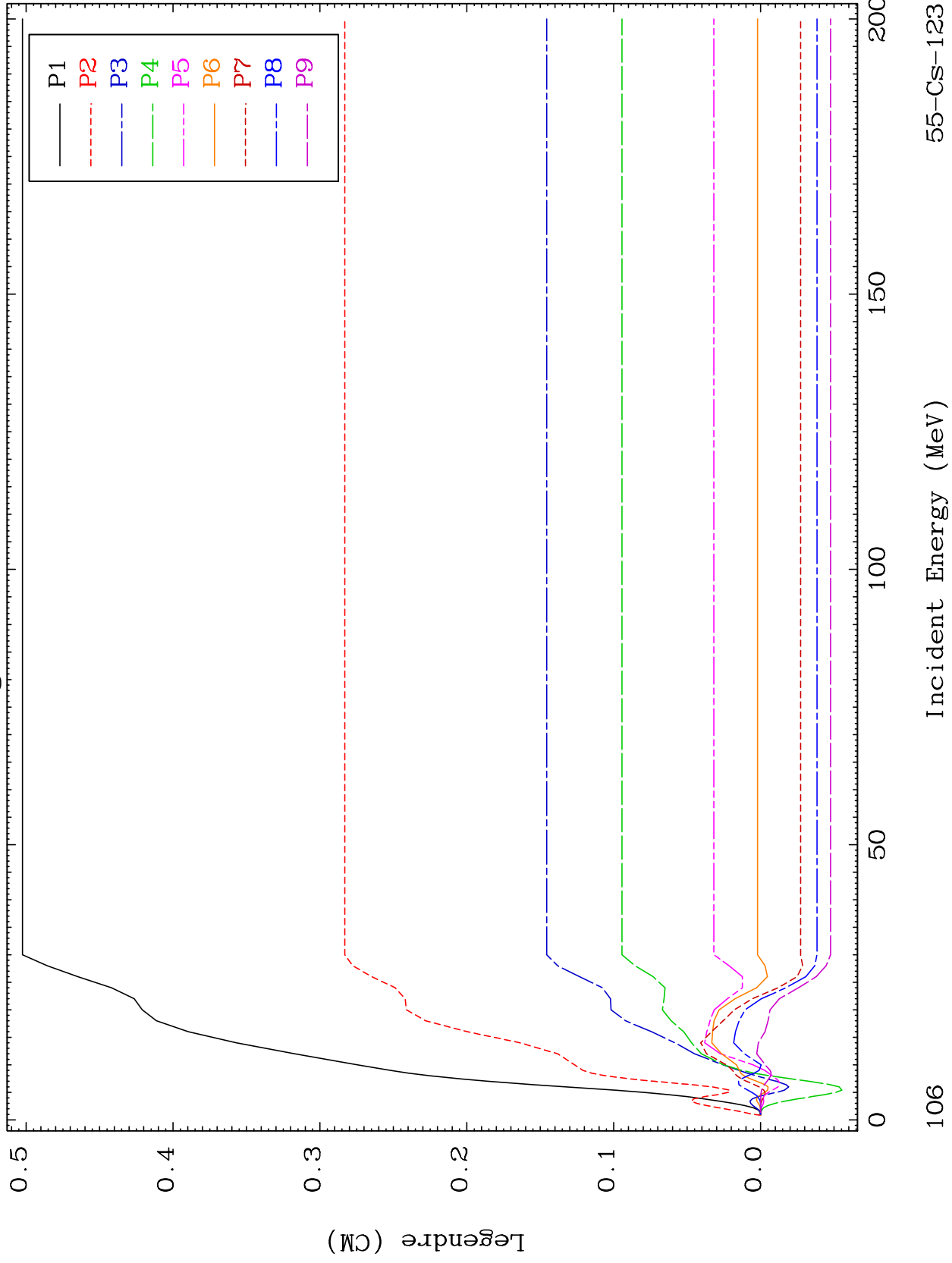
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

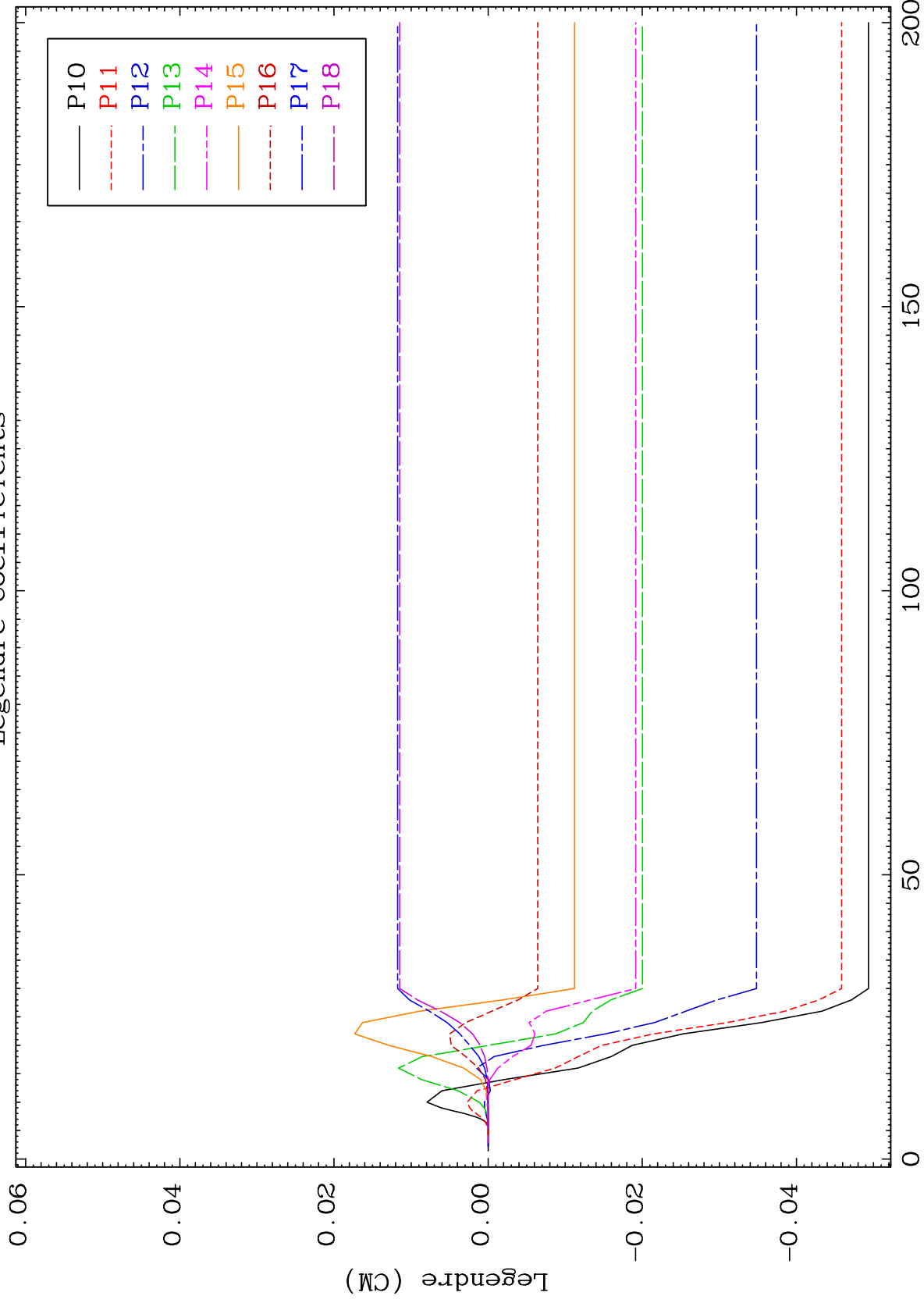
55-Cs-123



MAT 5495

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

55-Cs-123



107

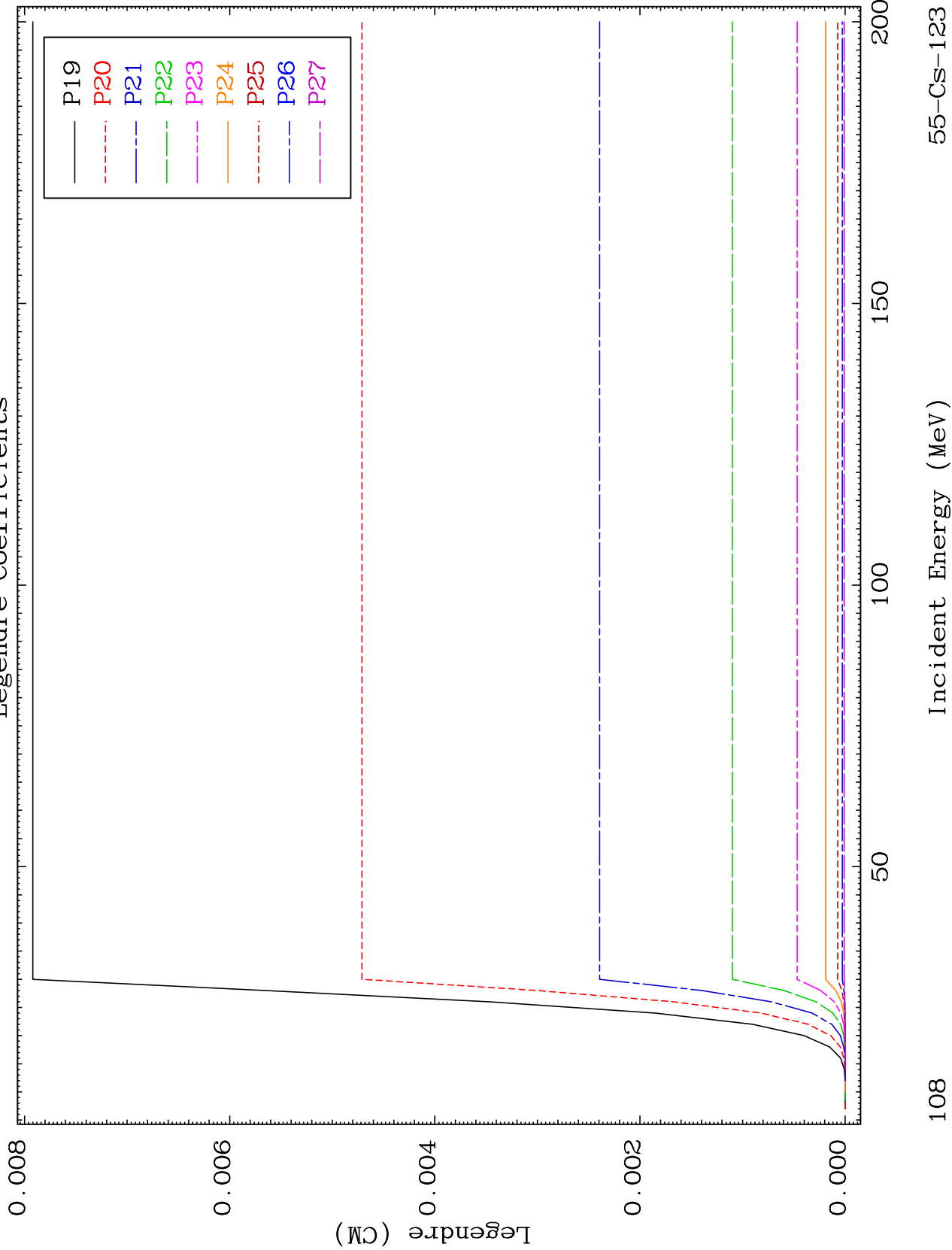
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



108

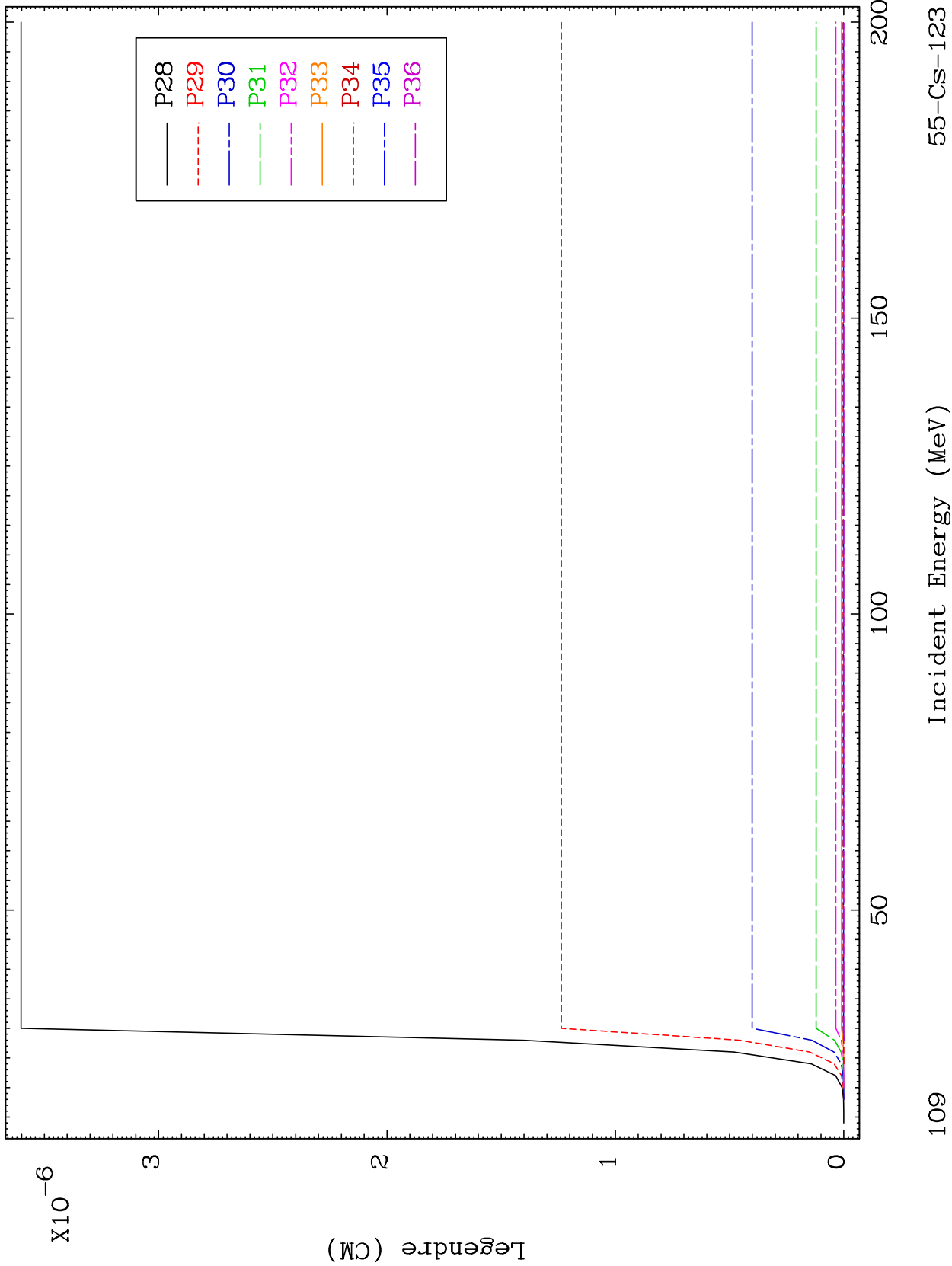
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123

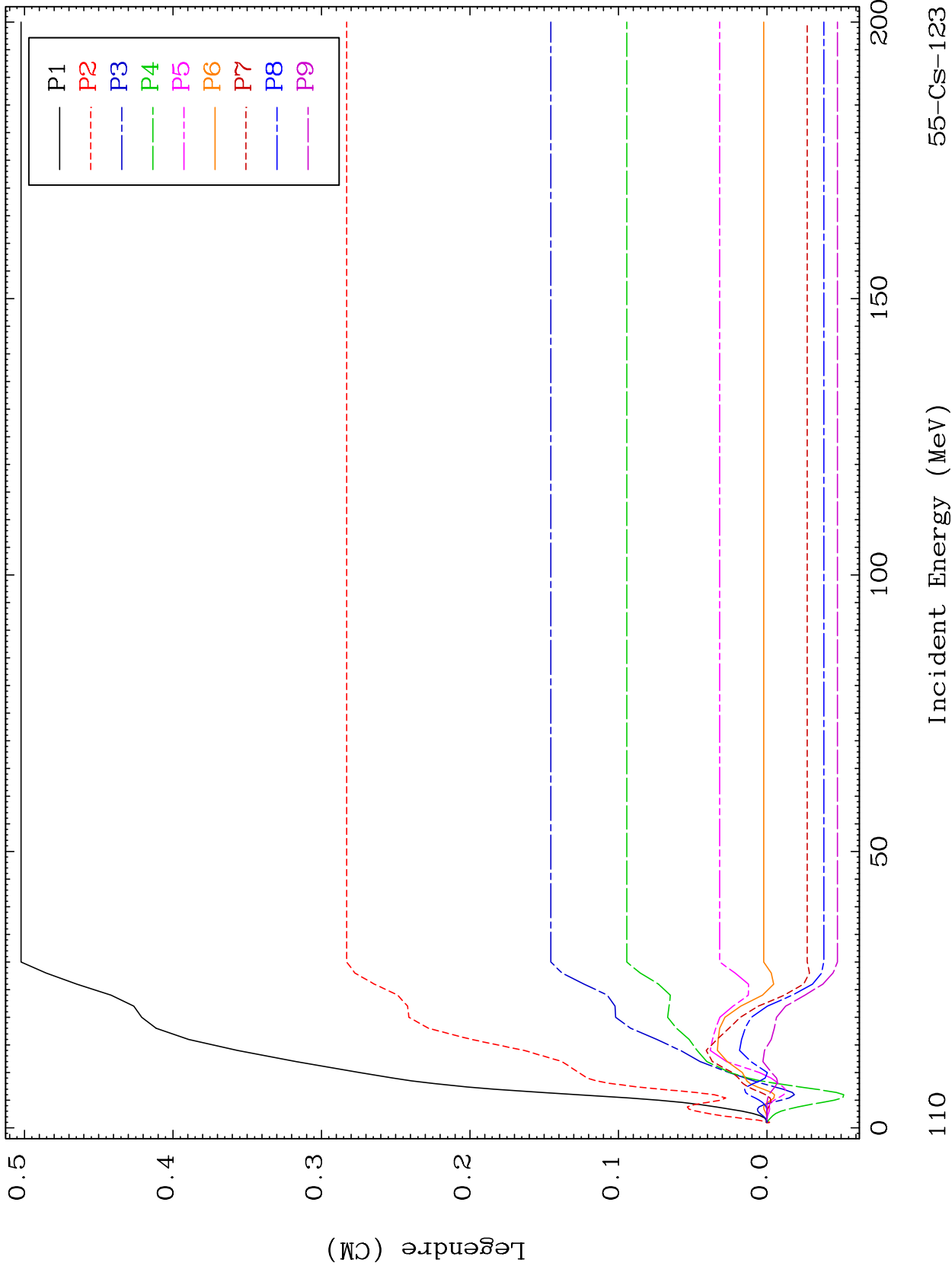


MAT 5495

MT= 74 (n,n') Level

55-Cs-123

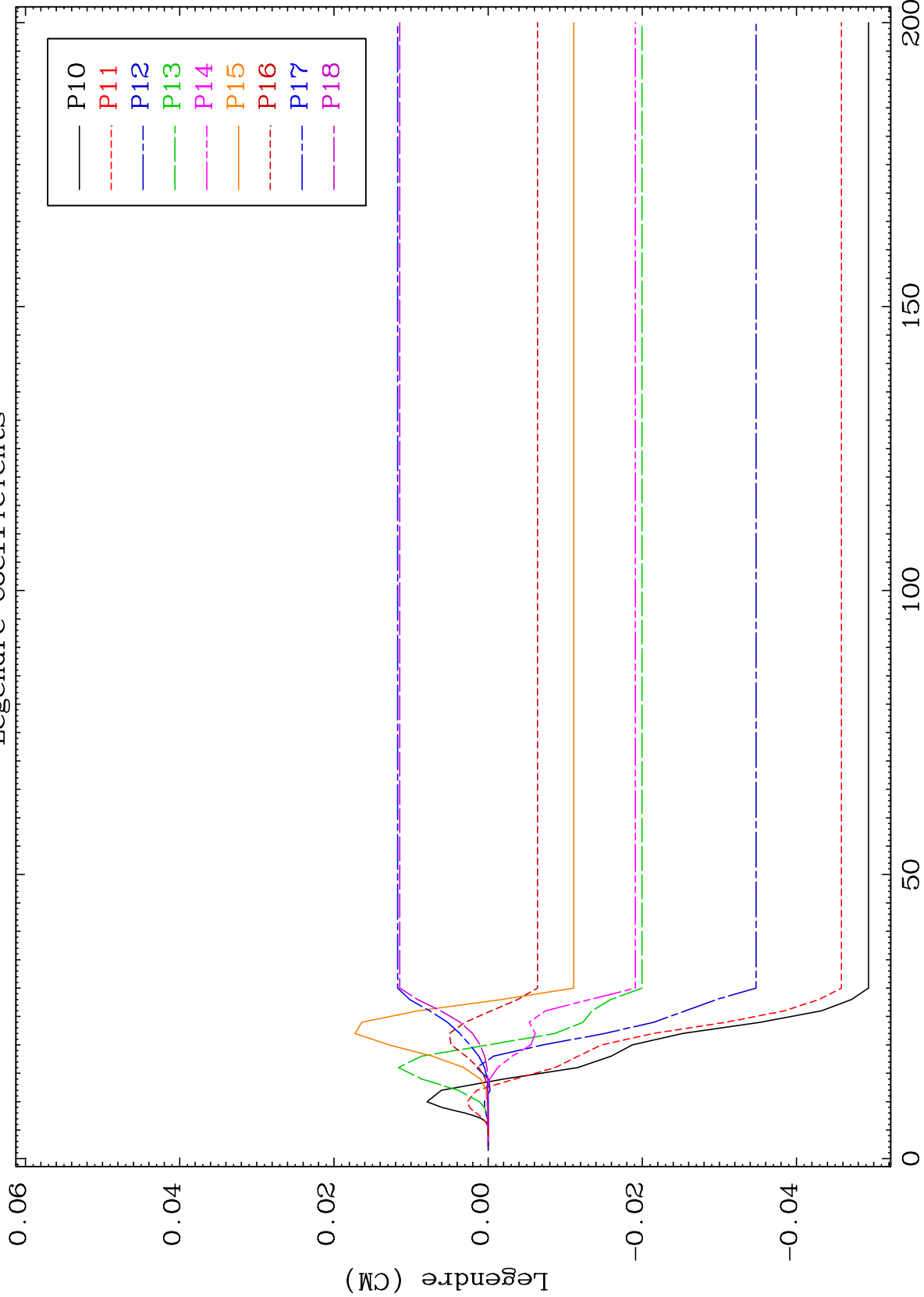
Legendre Coefficients



MAT 5495

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

55-Cs-123



111

Incident Energy (MeV)

55-Cs-123

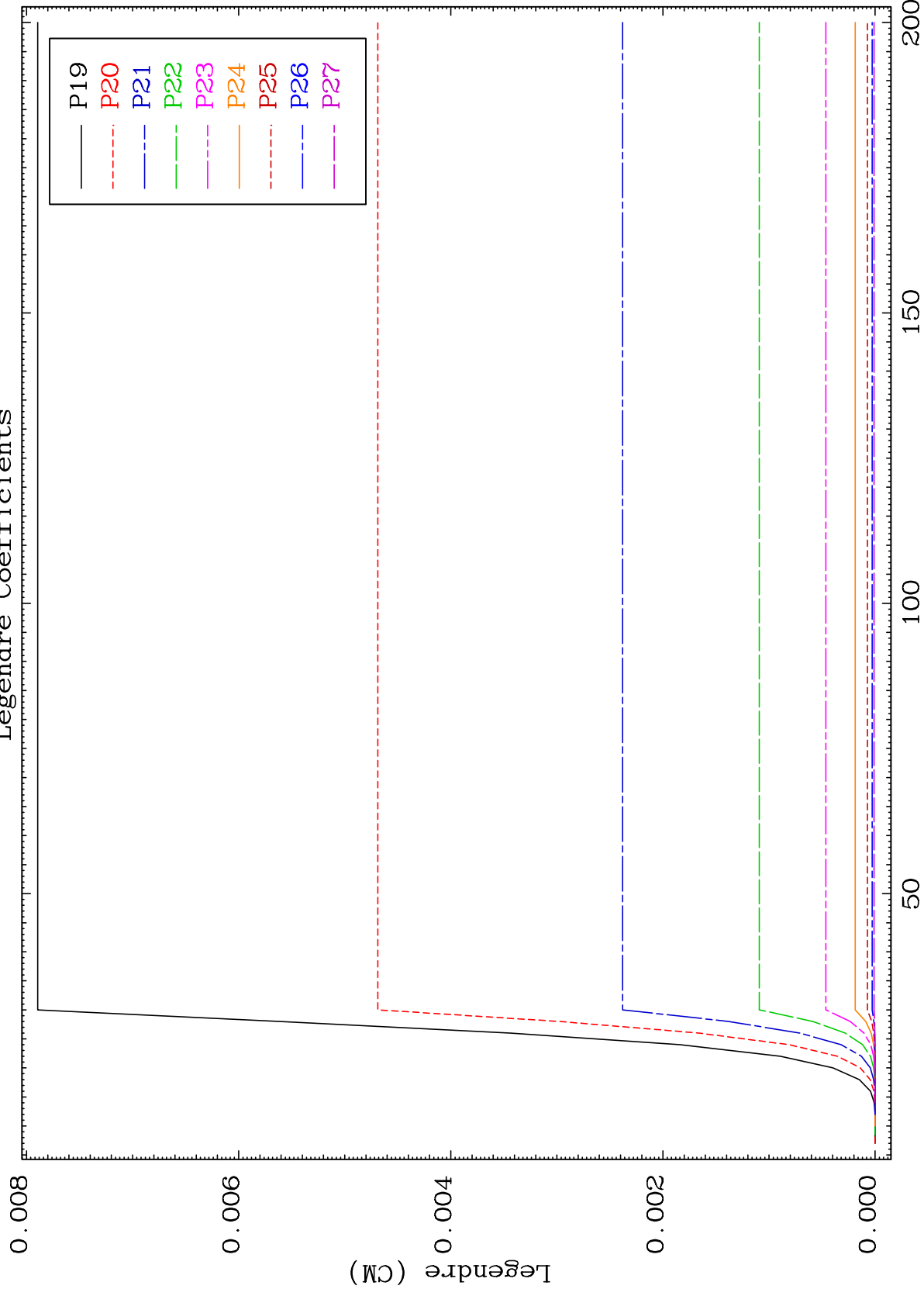


MAT 5495

MT= 74 (n,n') Level

55-Cs-123

Legendre Coefficients



112

Incident Energy (MeV)

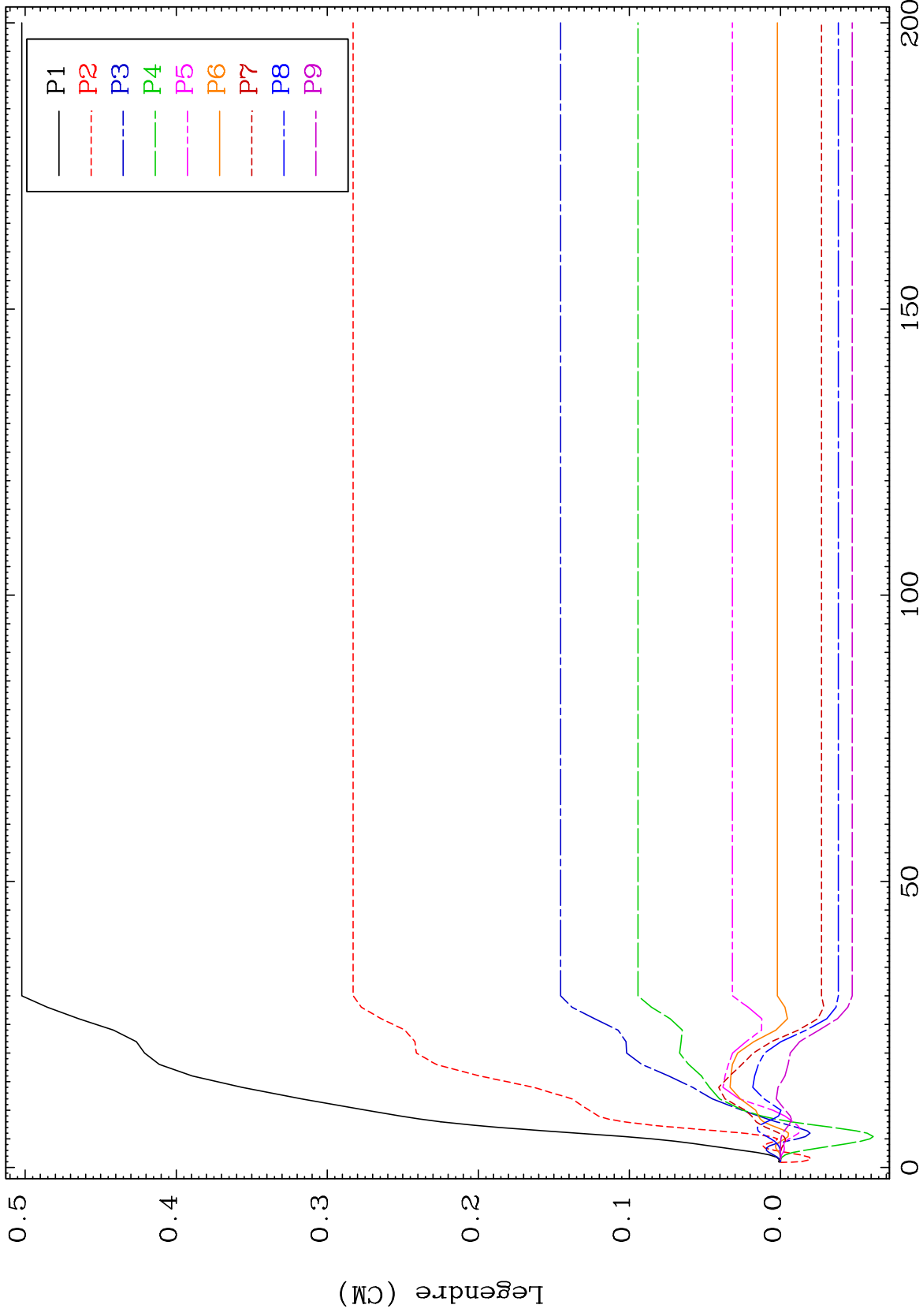
55-Cs-123



MAT 5495

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

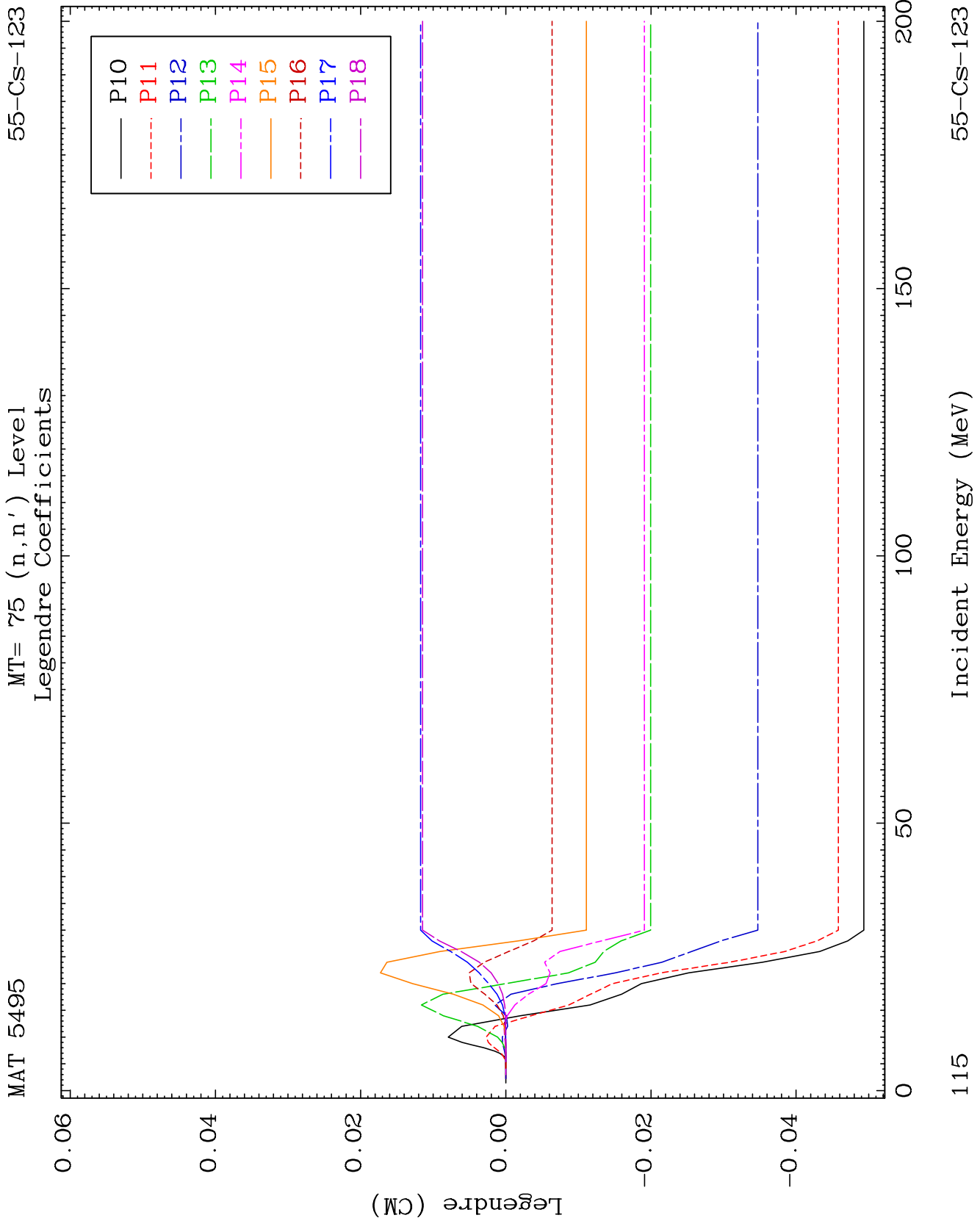
55-Cs-123



55-Cs-123

Incident Energy (MeV)

114

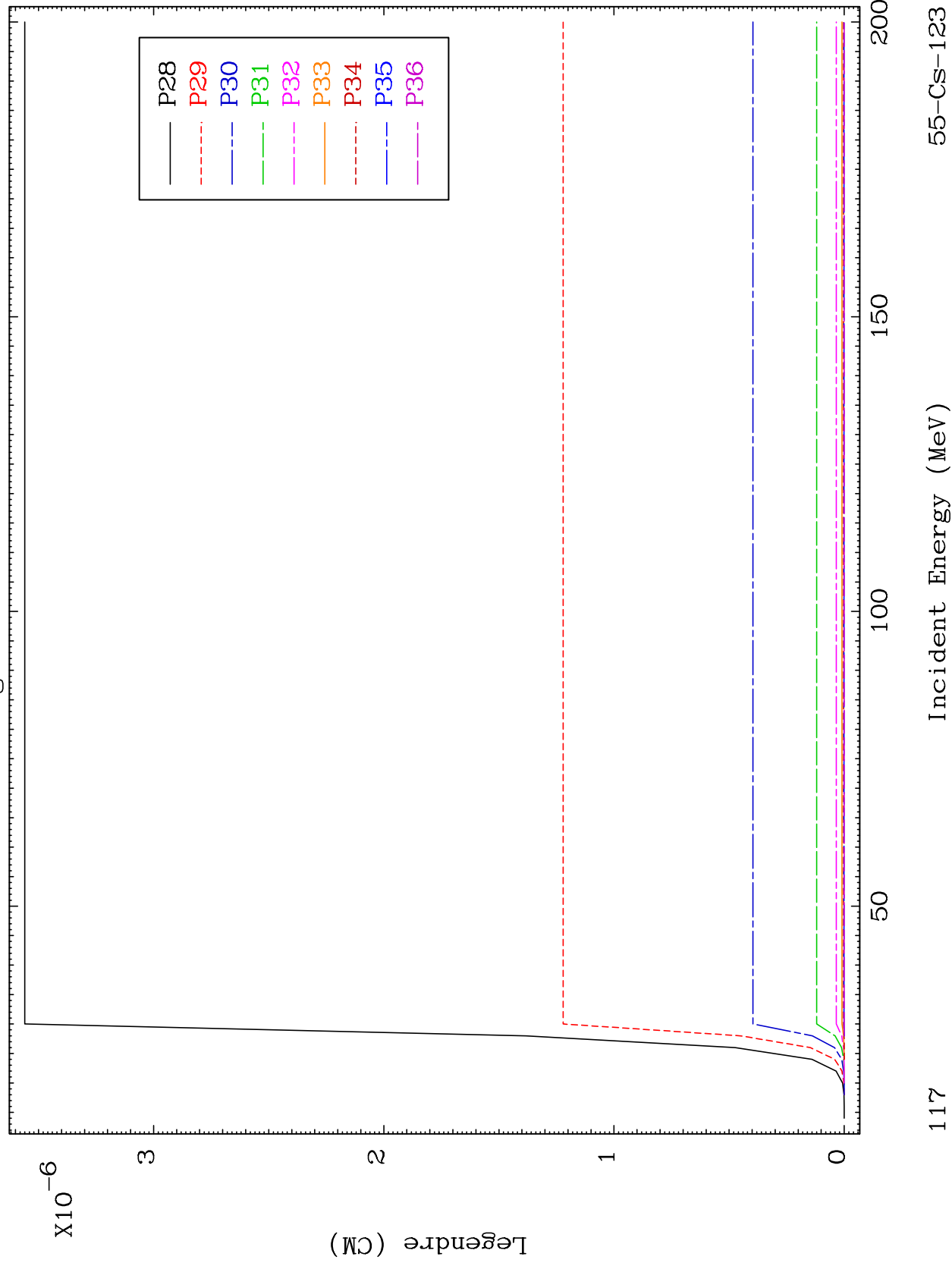




MAT 5495

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

55-Cs-123



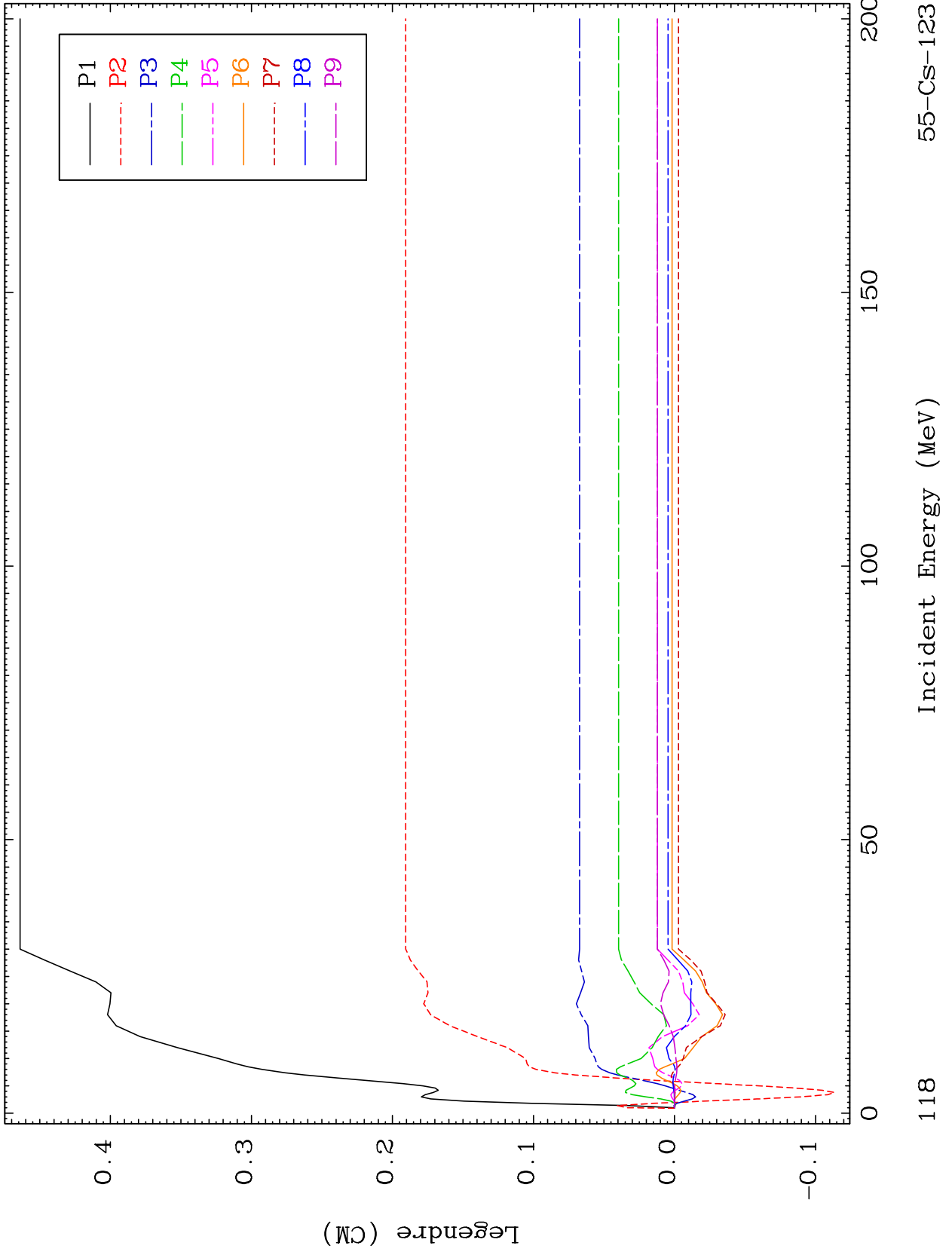
117

55-Cs-123

MAT 5495

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

55-Cs-123



55-Cs-123

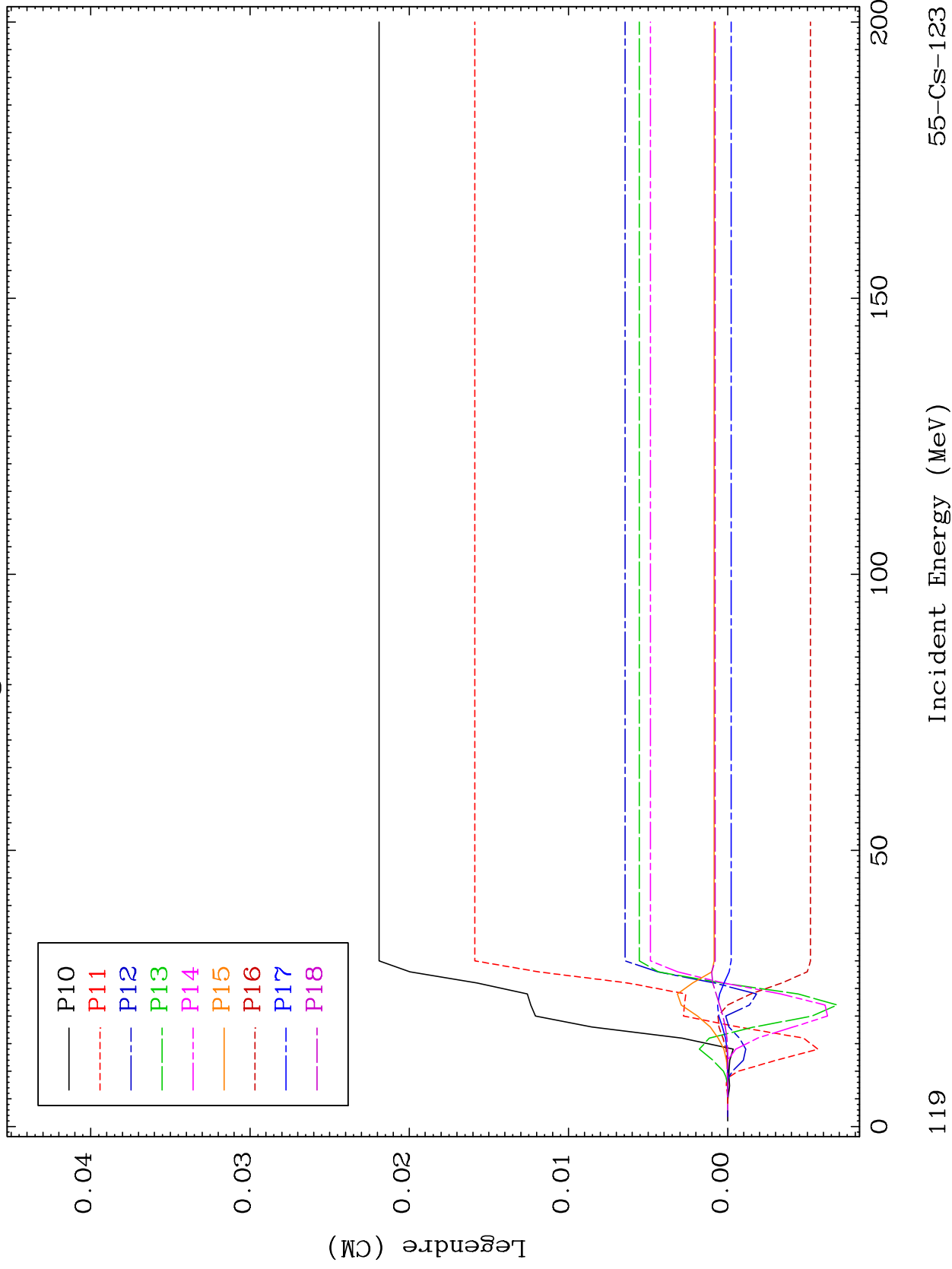
Incident Energy (MeV)

118

MAT 5495

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

55-Cs-123



119

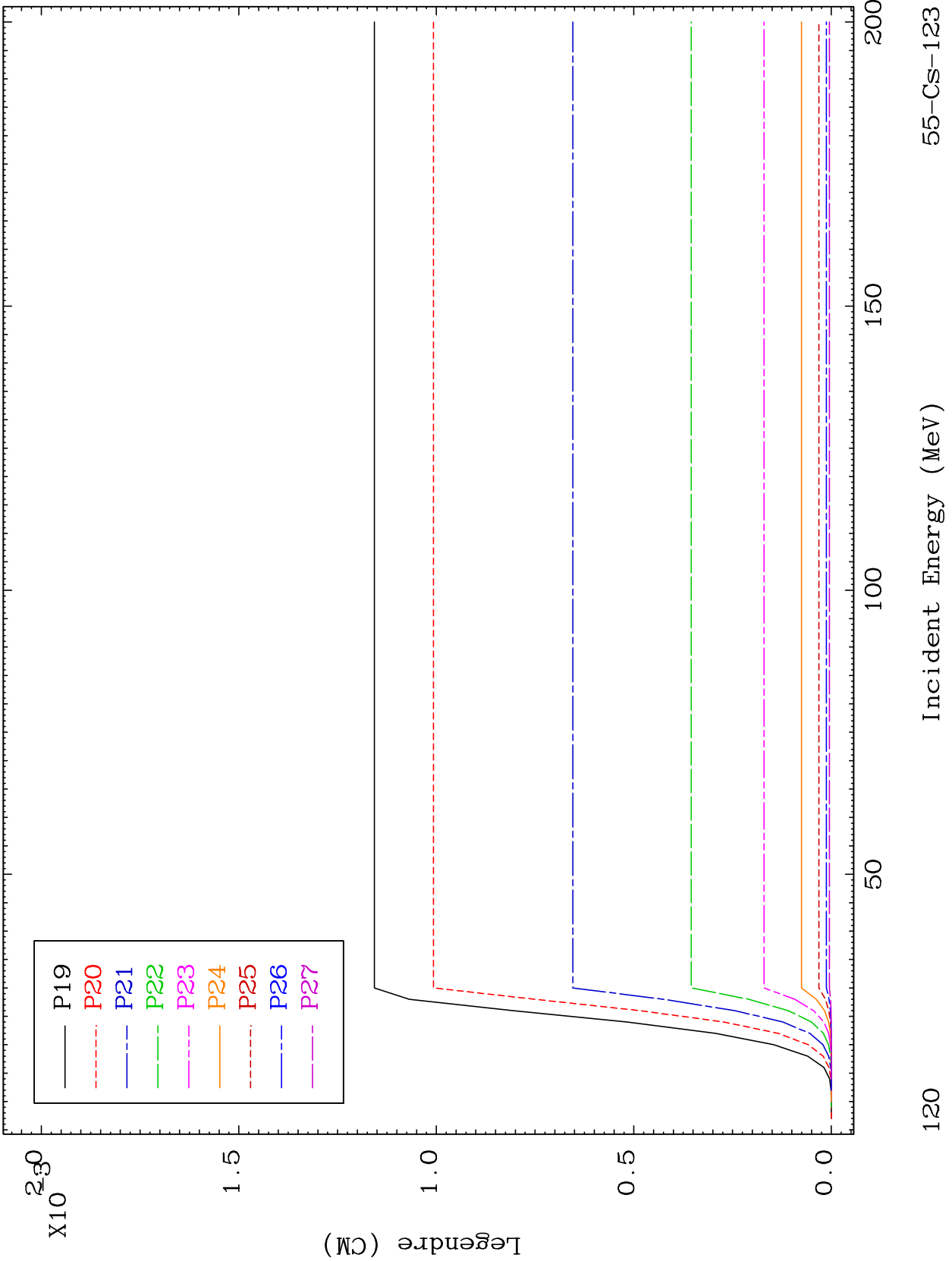
55-Cs-123



MAT 5495

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

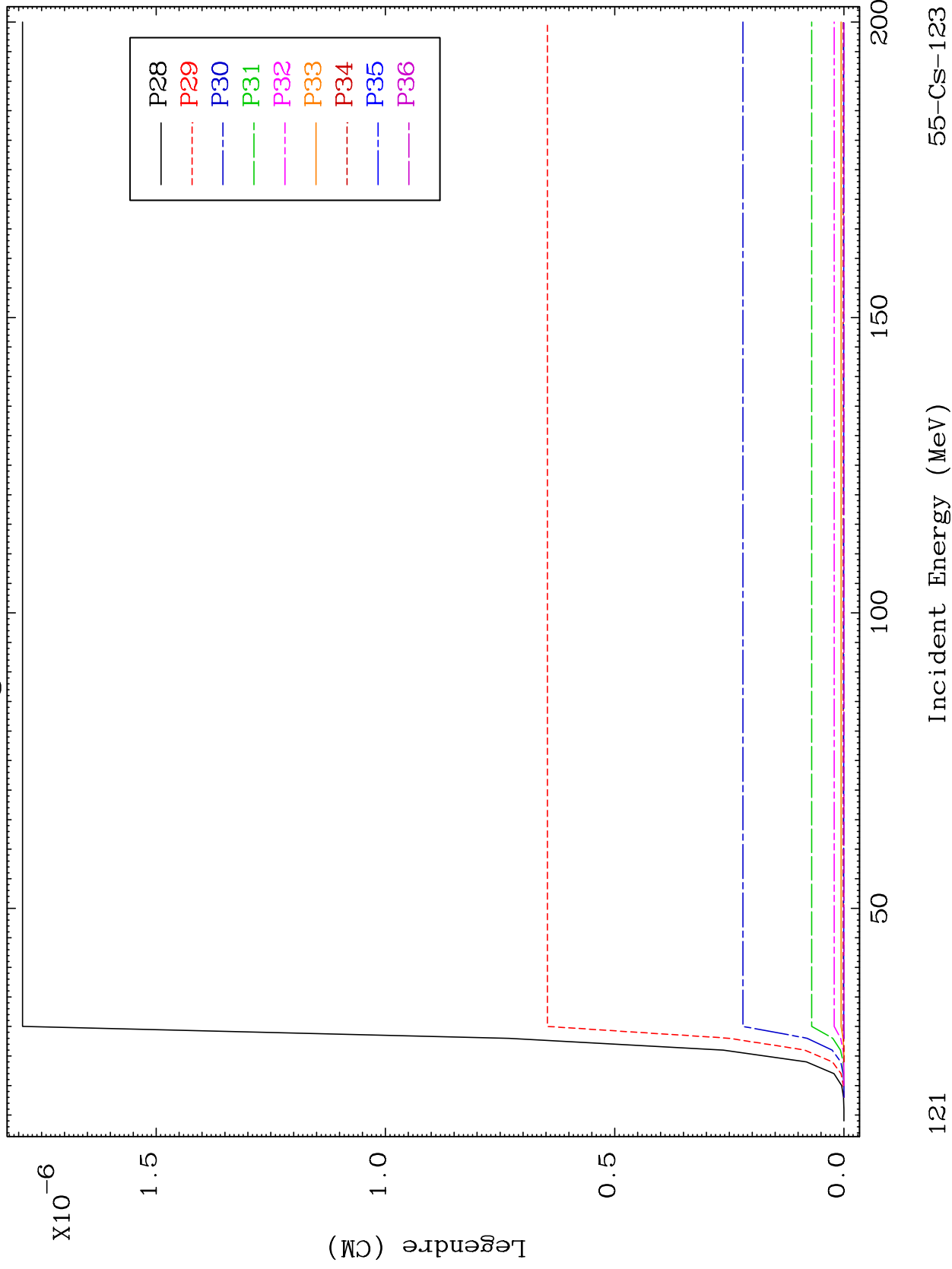
55-Cs-123



MAT 5495

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

55-Cs-123



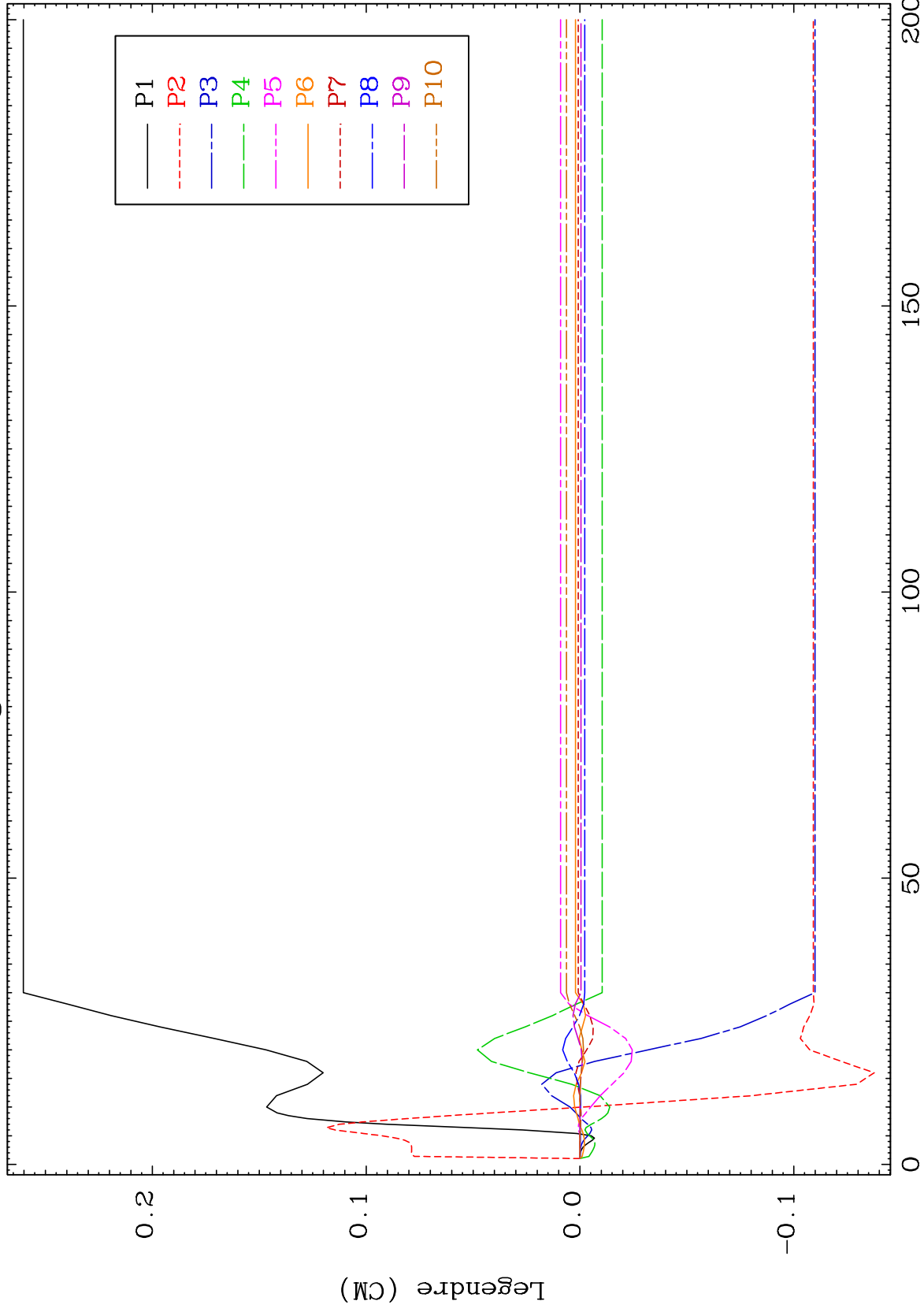
121

55-Cs-123

MAT 5495

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

55-Cs-123



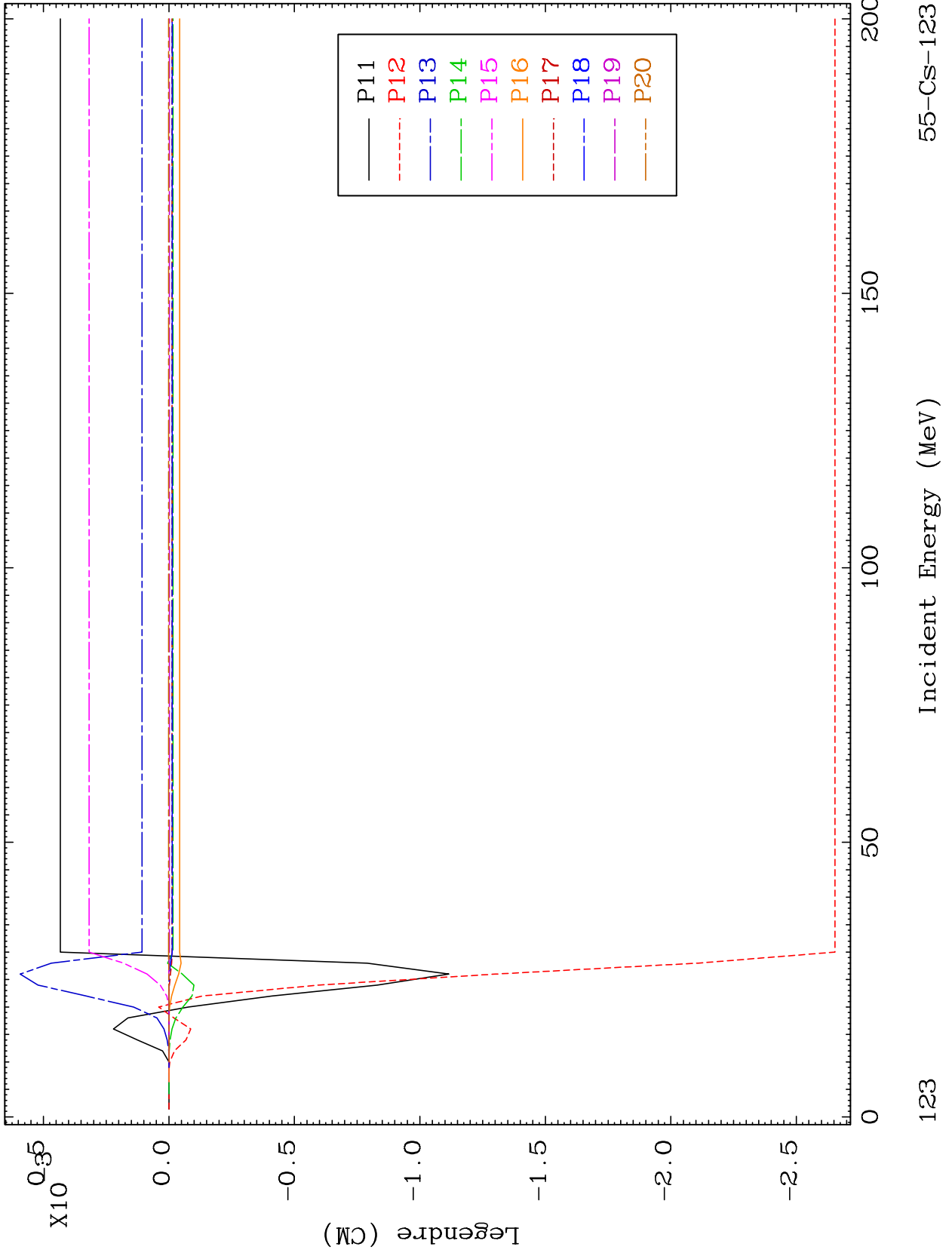
122

55-Cs-123

MAT 5495

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

55-Cs-123



123

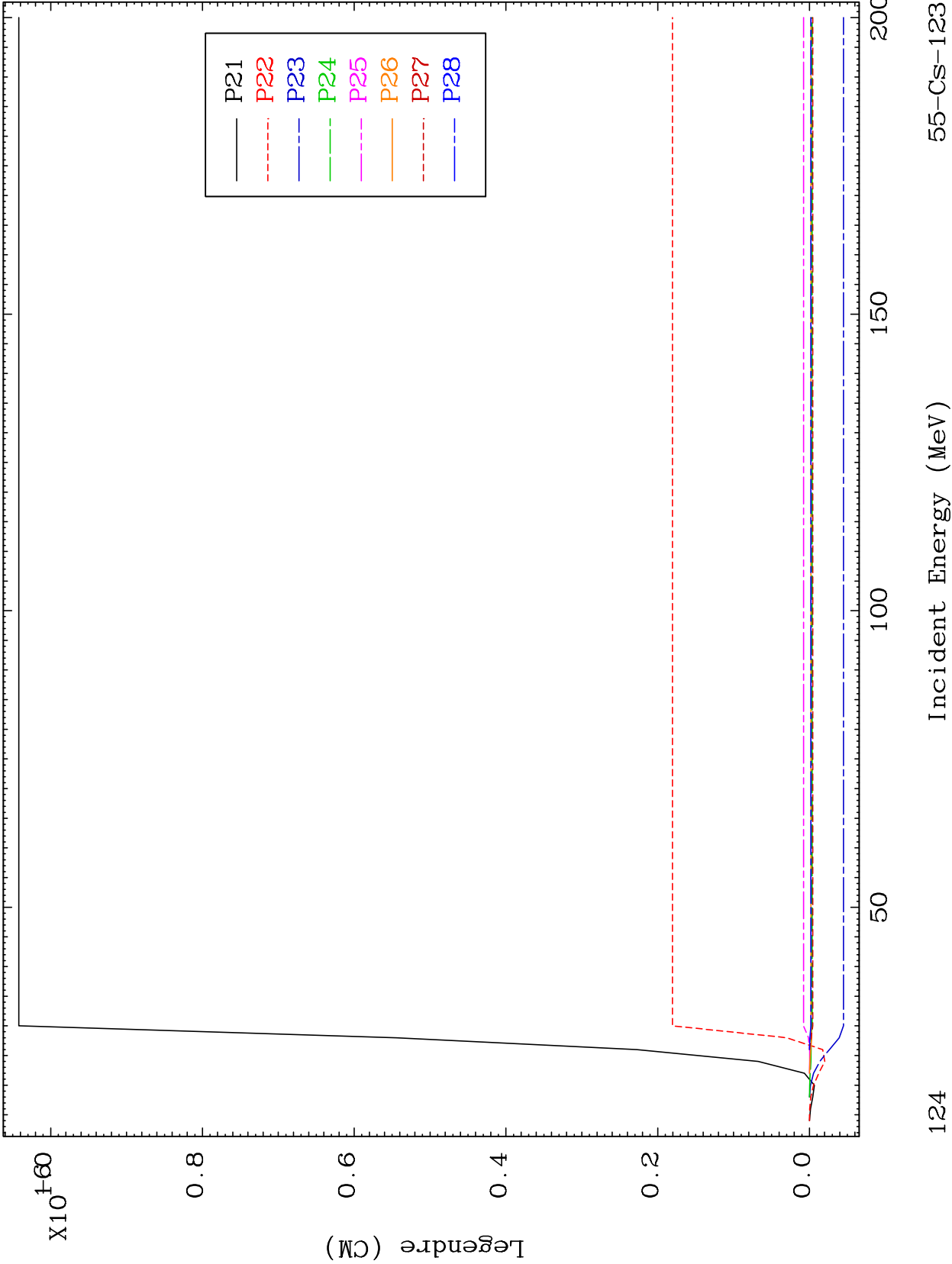
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

55-Cs-123



124

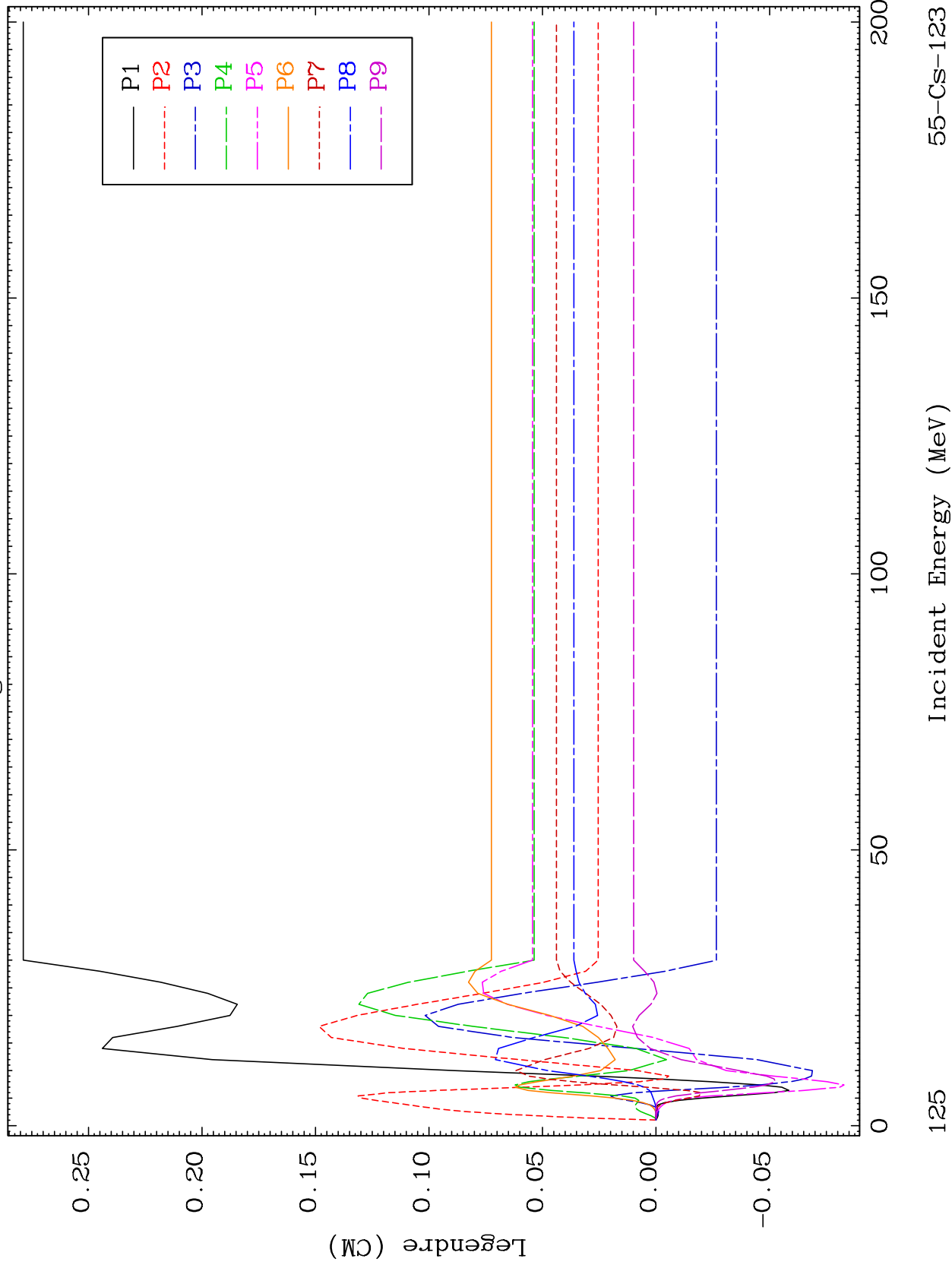
Incident Energy (MeV)

55-Cs-123

MAT 5495

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

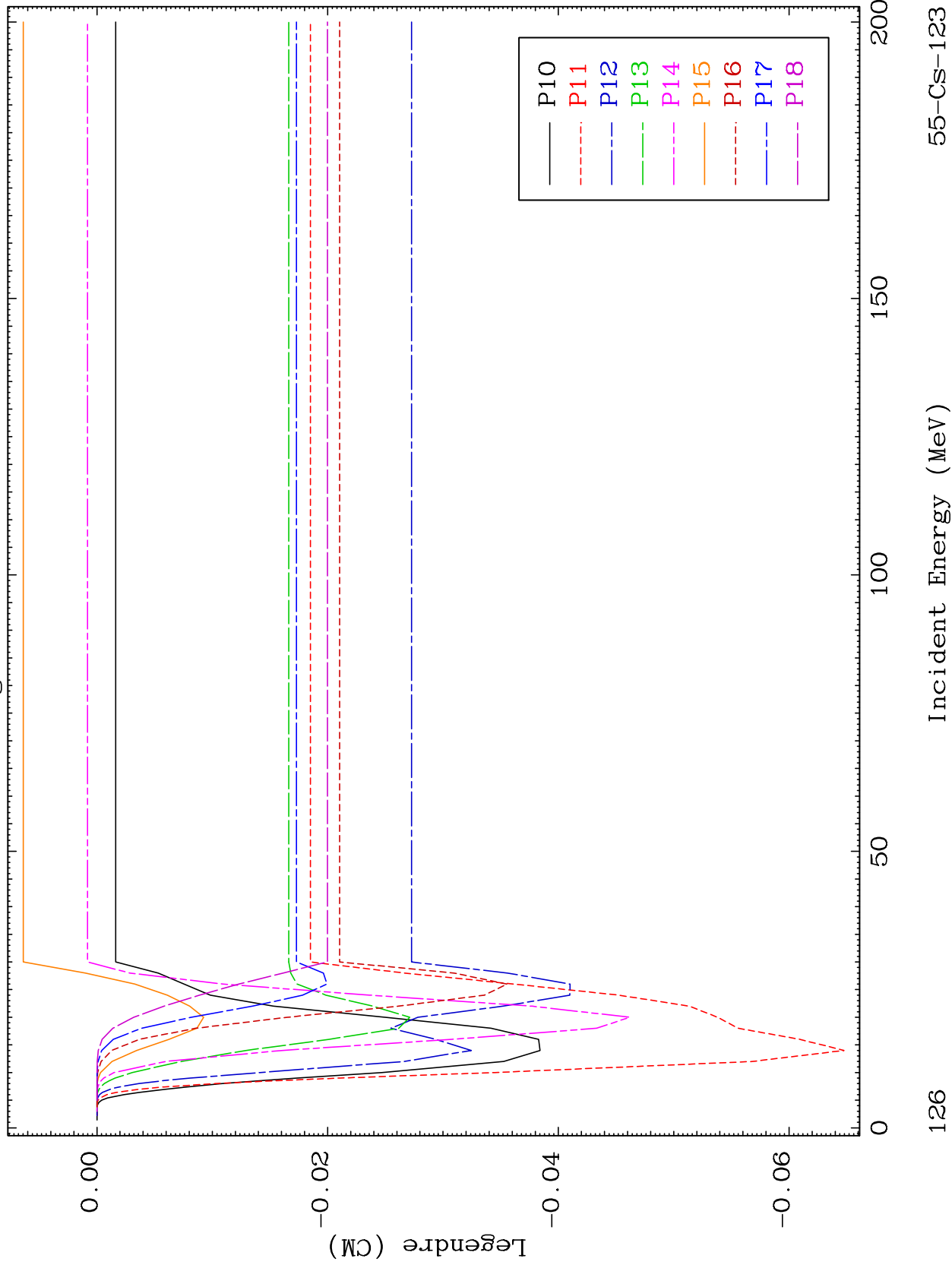
55-Cs-123



MAT 5495

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

55-Cs-123



55-Cs-123

Incident Energy (MeV)

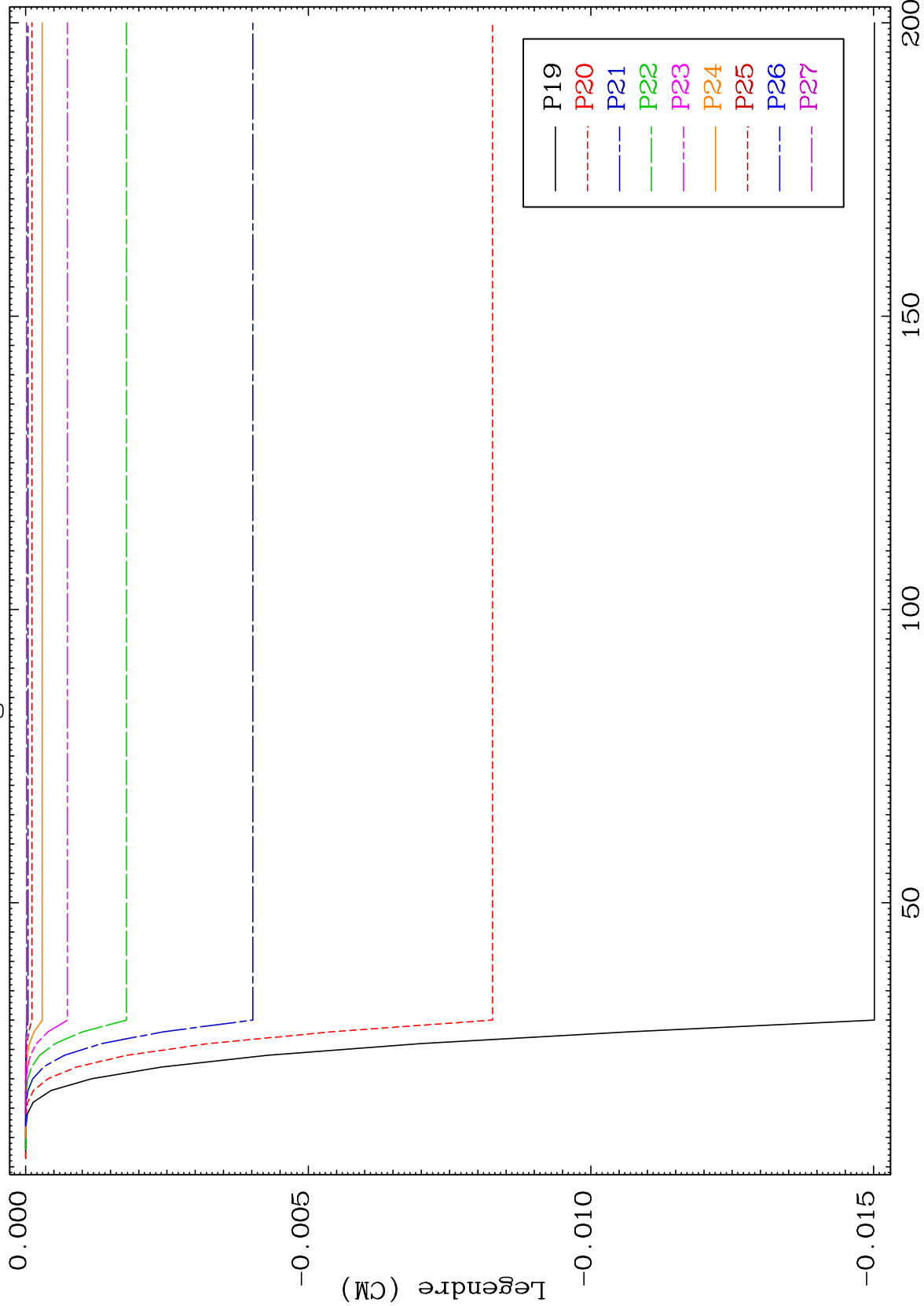
126

MAT 5495

MT= 78 (n,n') Level

55-Cs-123

Legendre Coefficients



55-Cs-123

Incident Energy (MeV)

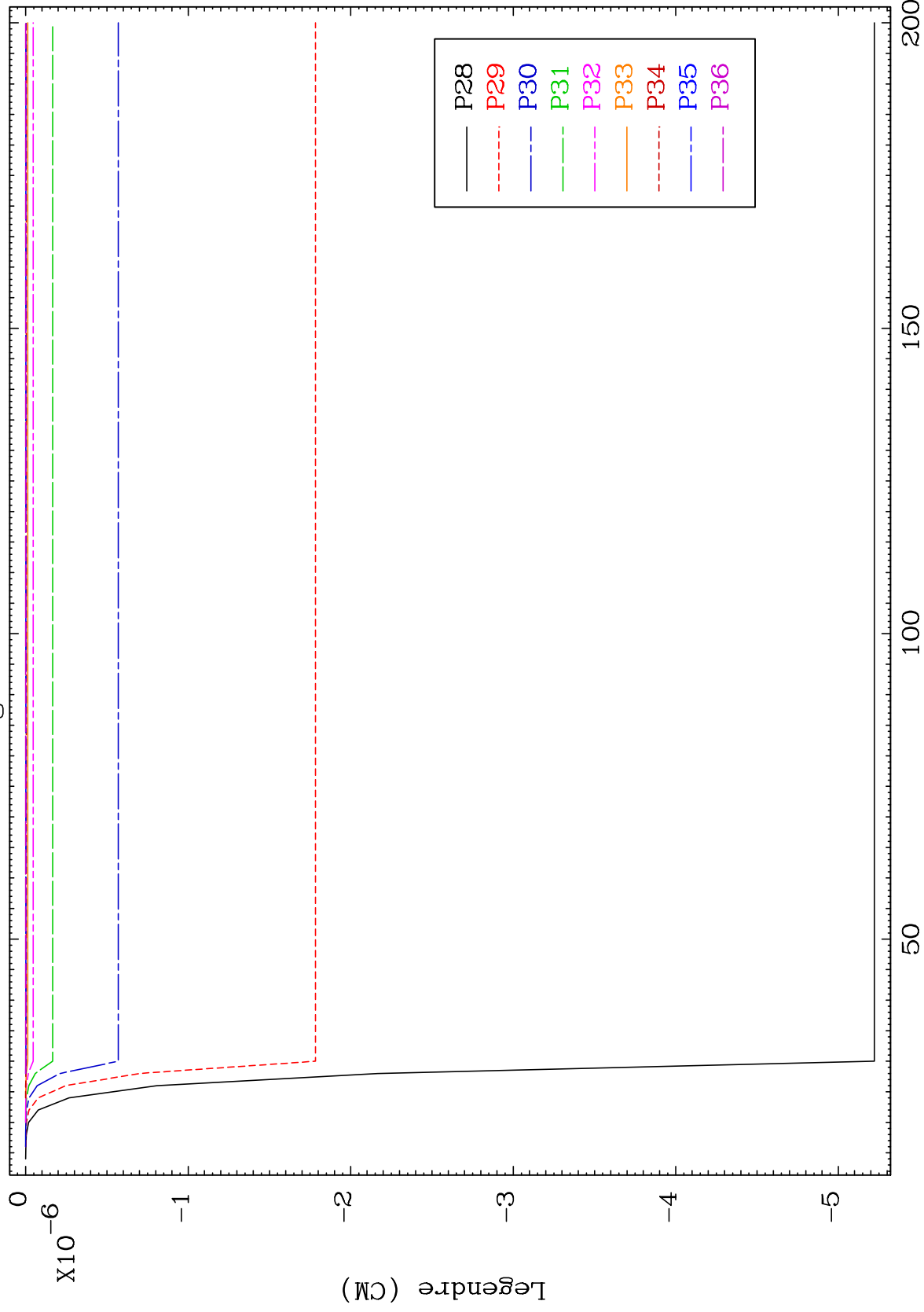
127



MAT 5495

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

55-Cs-123



128

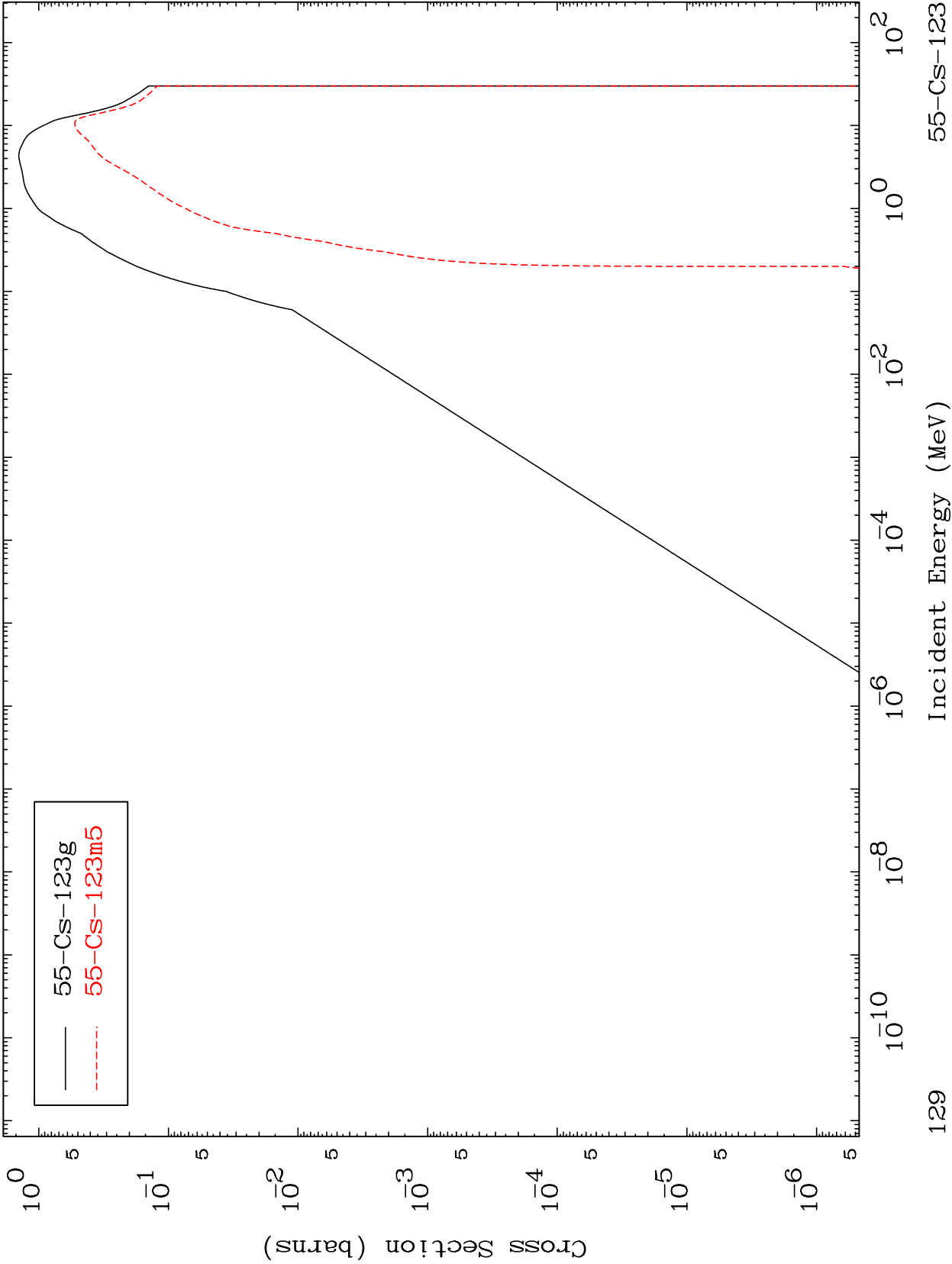
Incident Energy (MeV)

55-Cs-123

MAT 5495

Inelastic  
Radionuclide Production Cross Section

55-Cs-123

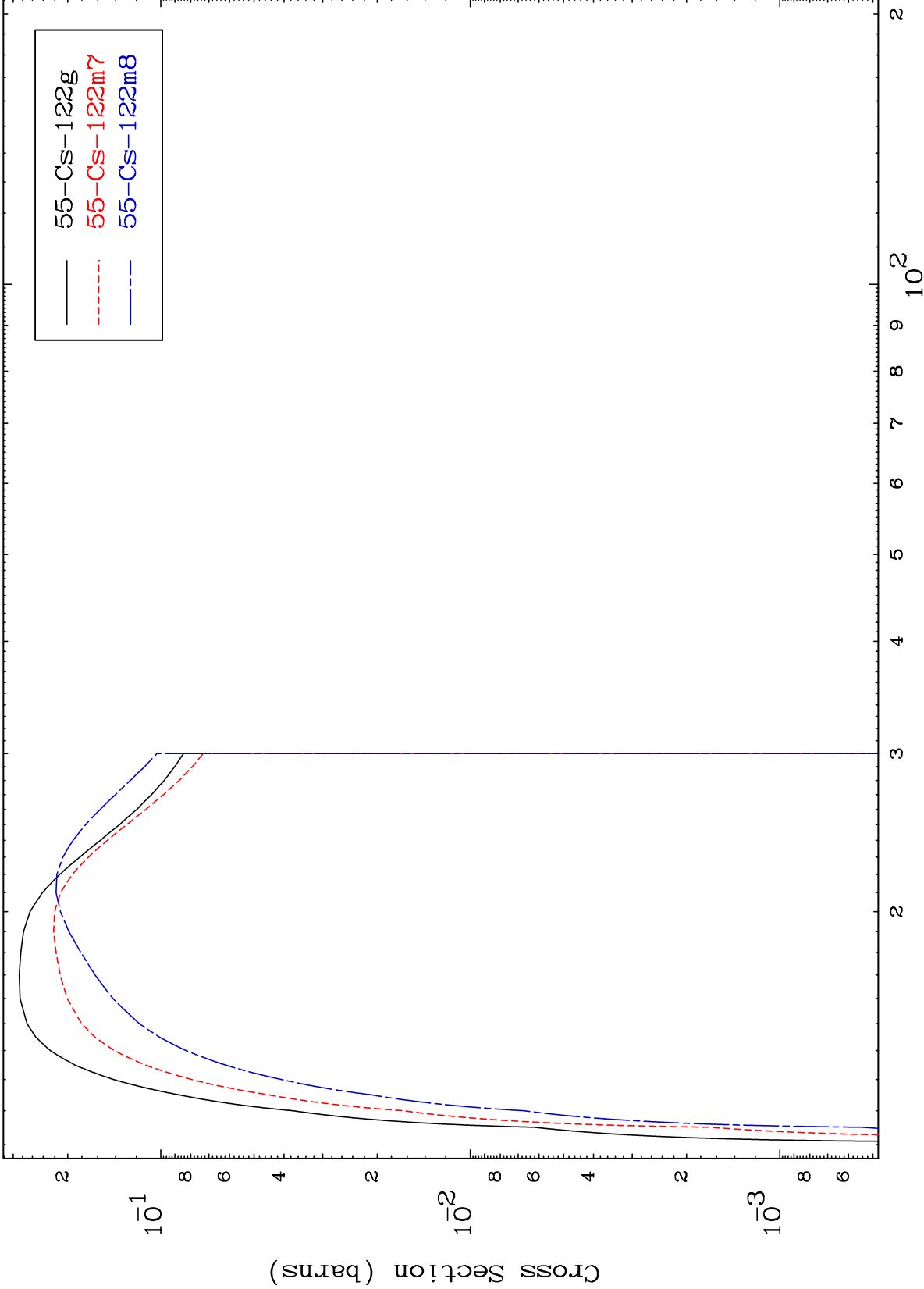


MAT 5495

(n,2n)

55-Cs-123

Radionuclide Production Cross Section



130

Incident Energy (MeV)

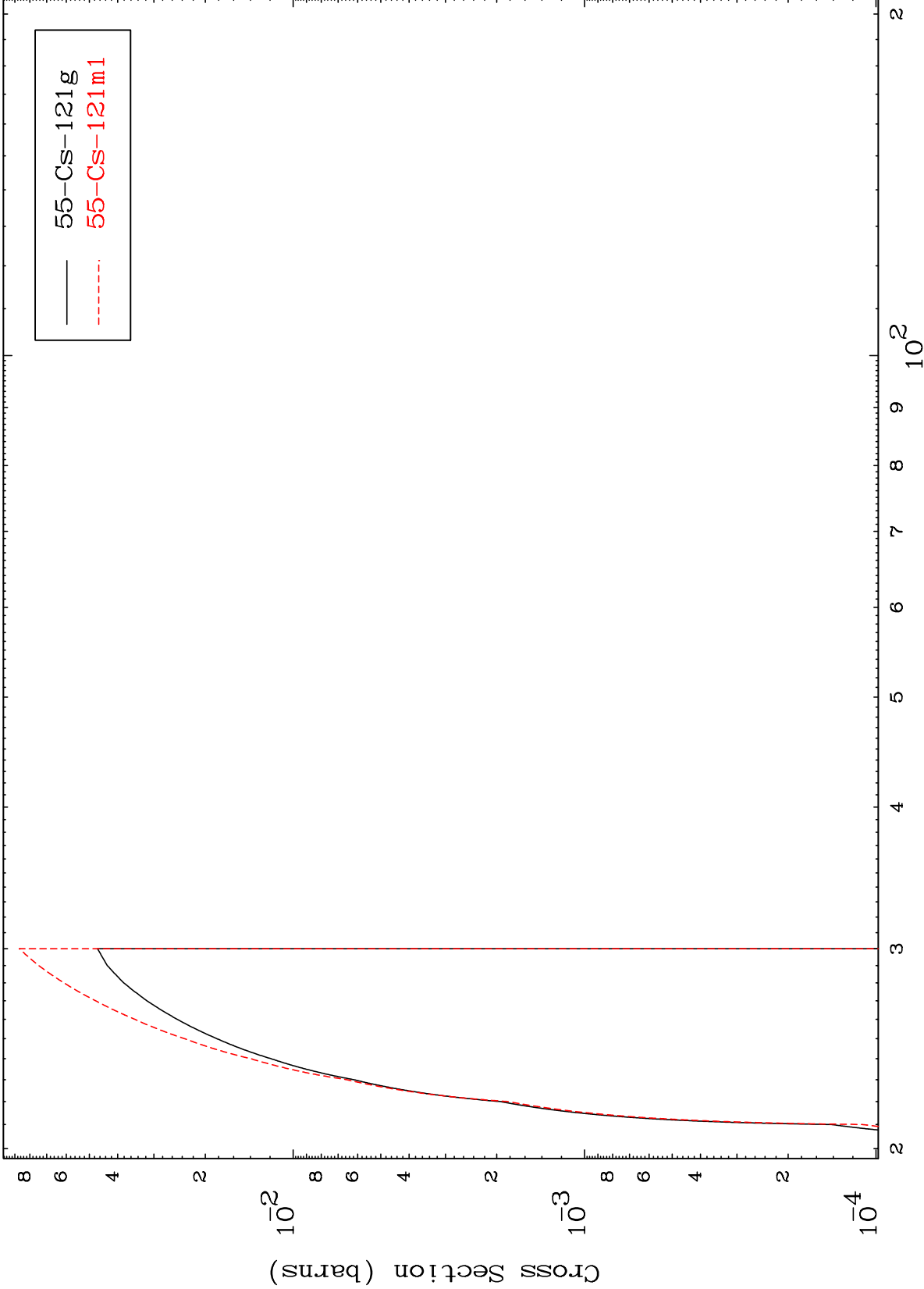
55-Cs-123

MAT 5495

(n,3n)

55-Cs-123

Radionuclide Production Cross Section



131

Incident Energy (MeV)

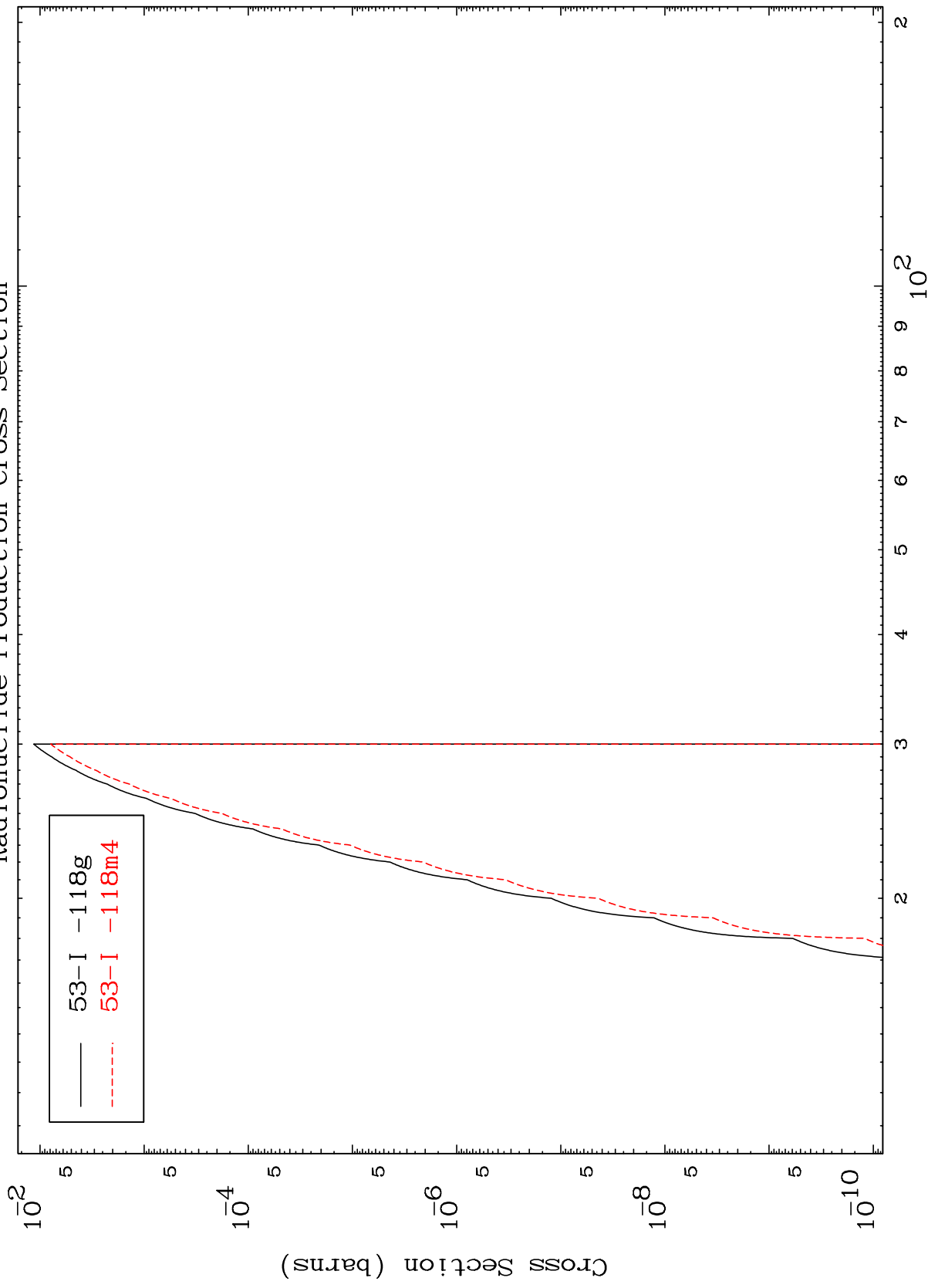
55-Cs-123

MAT 5495

(n,2n)  $\alpha$

55-Cs-123

Radionuclide Production Cross Section

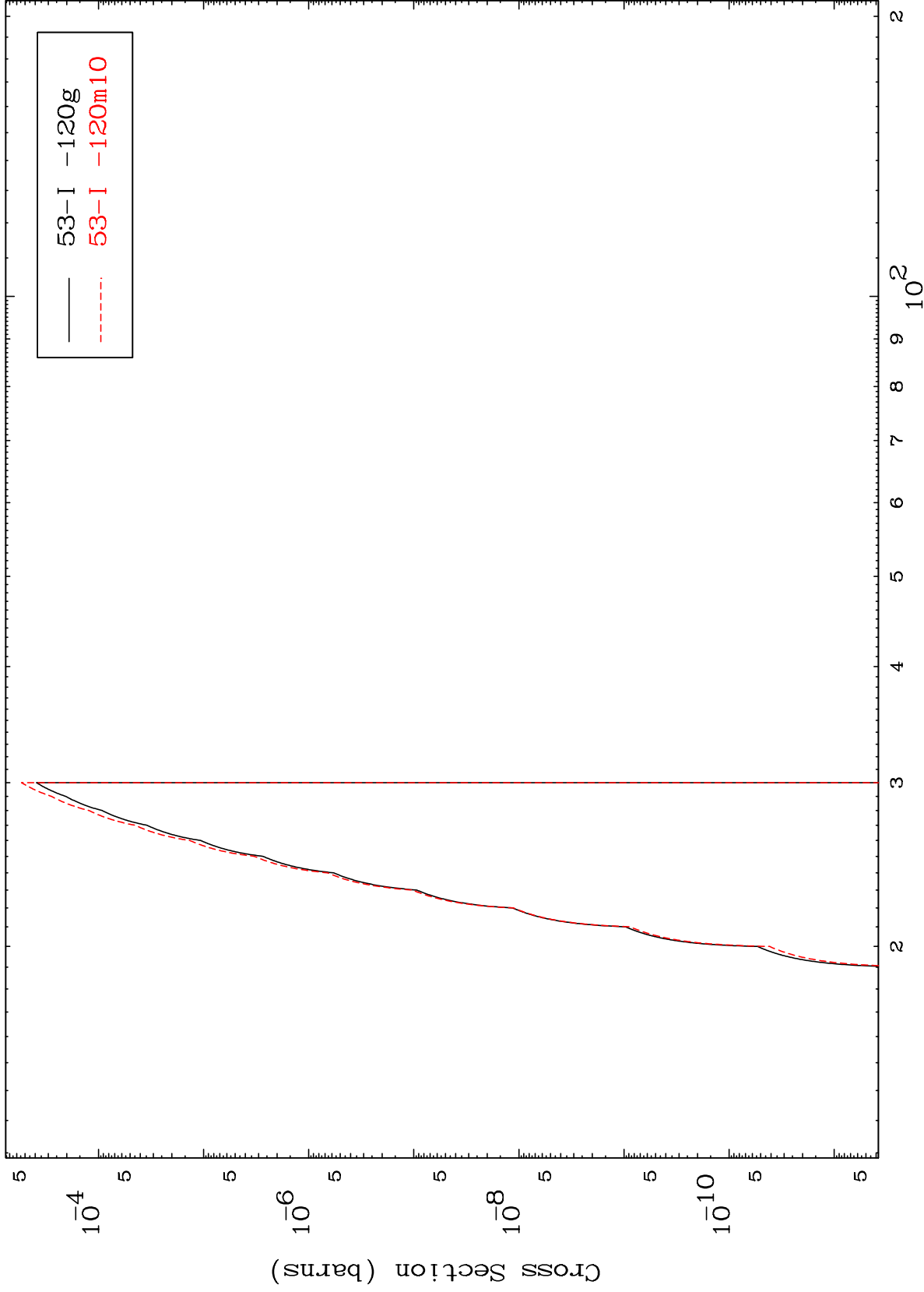


132

Incident Energy (MeV)

55-Cs-123

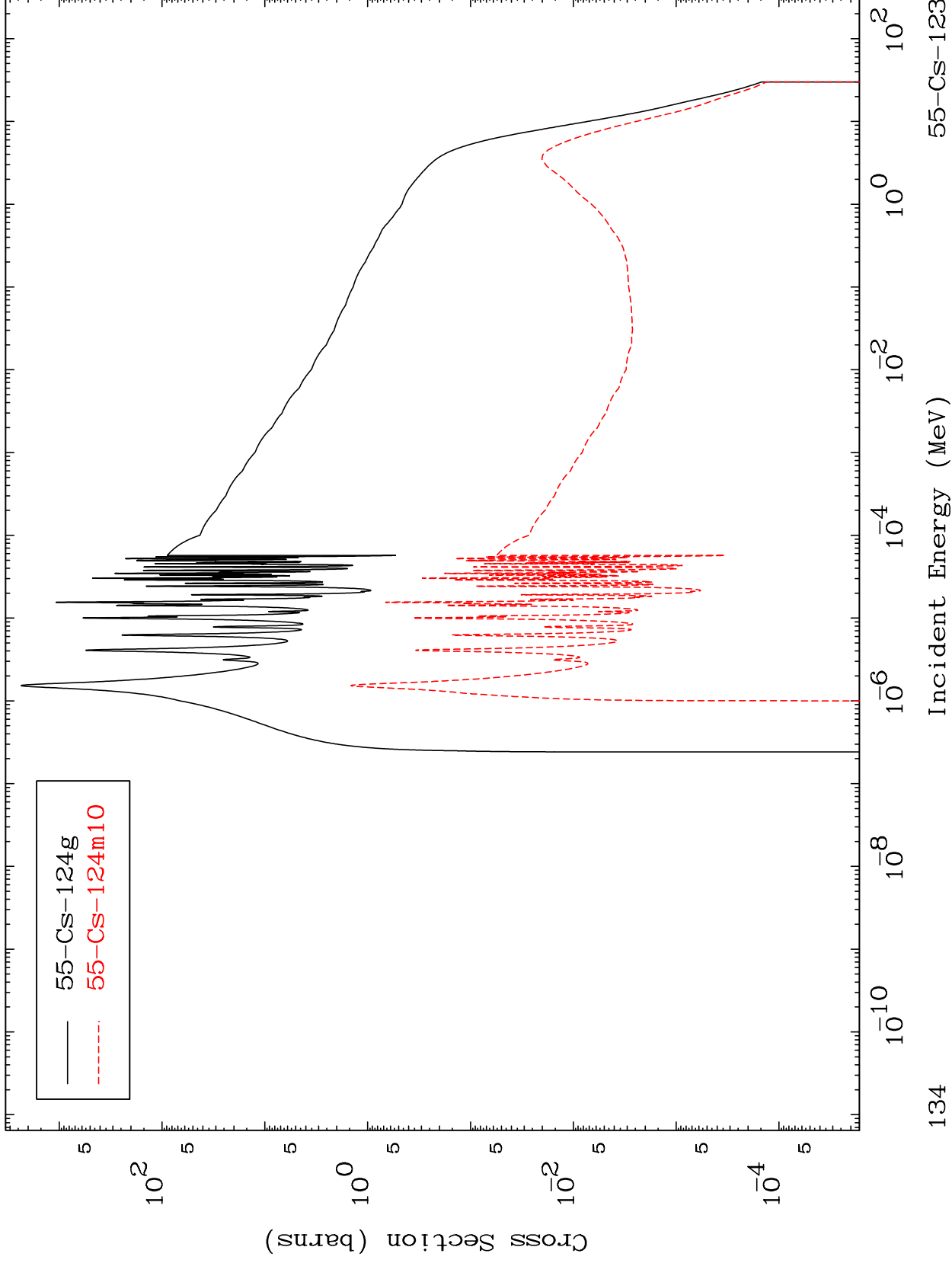
Radionuclide Production Cross Section



MAT 5495

55-Cs-123

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



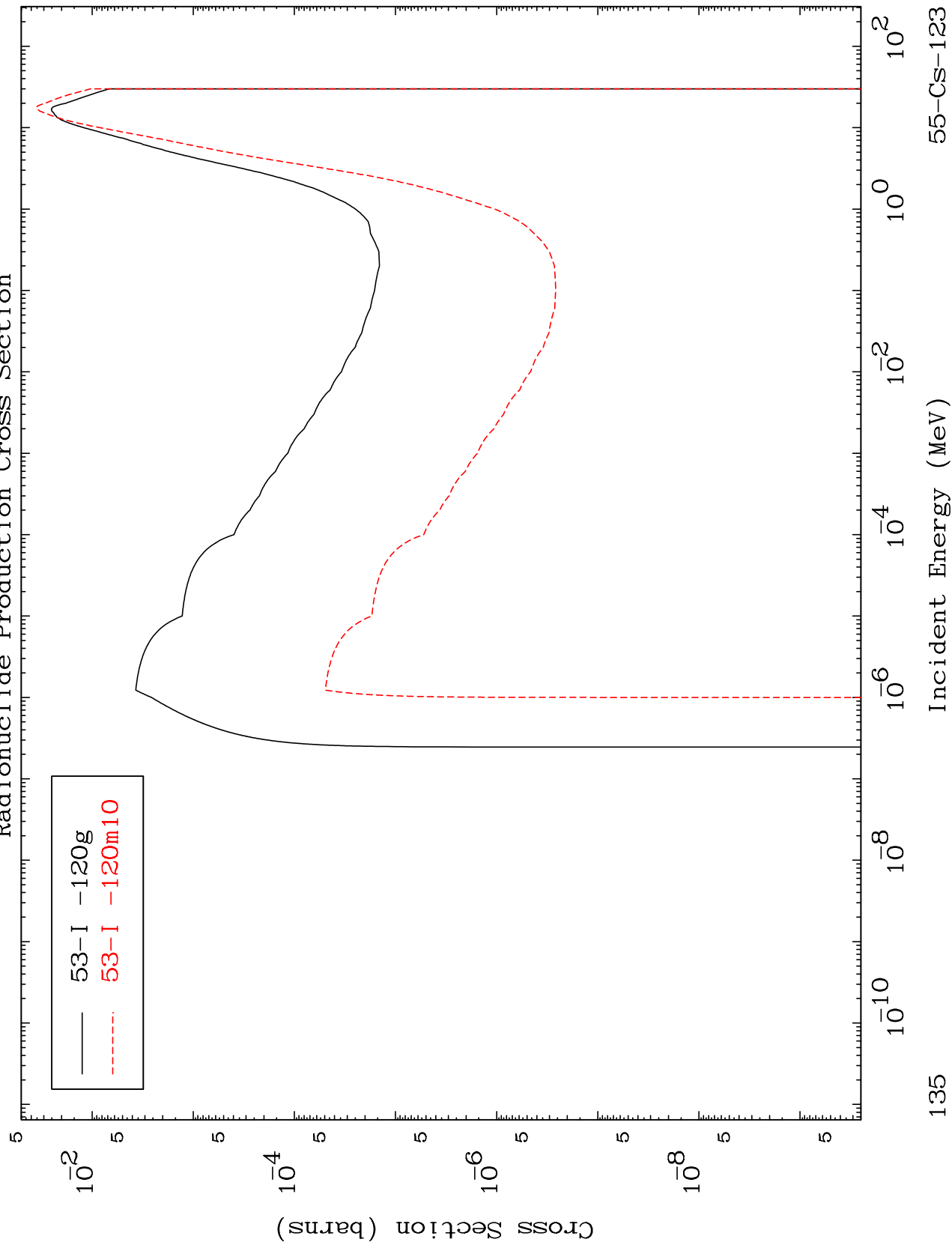
134

55-Cs-123

MAT 5495

55-Cs-123

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



135

55-Cs-123

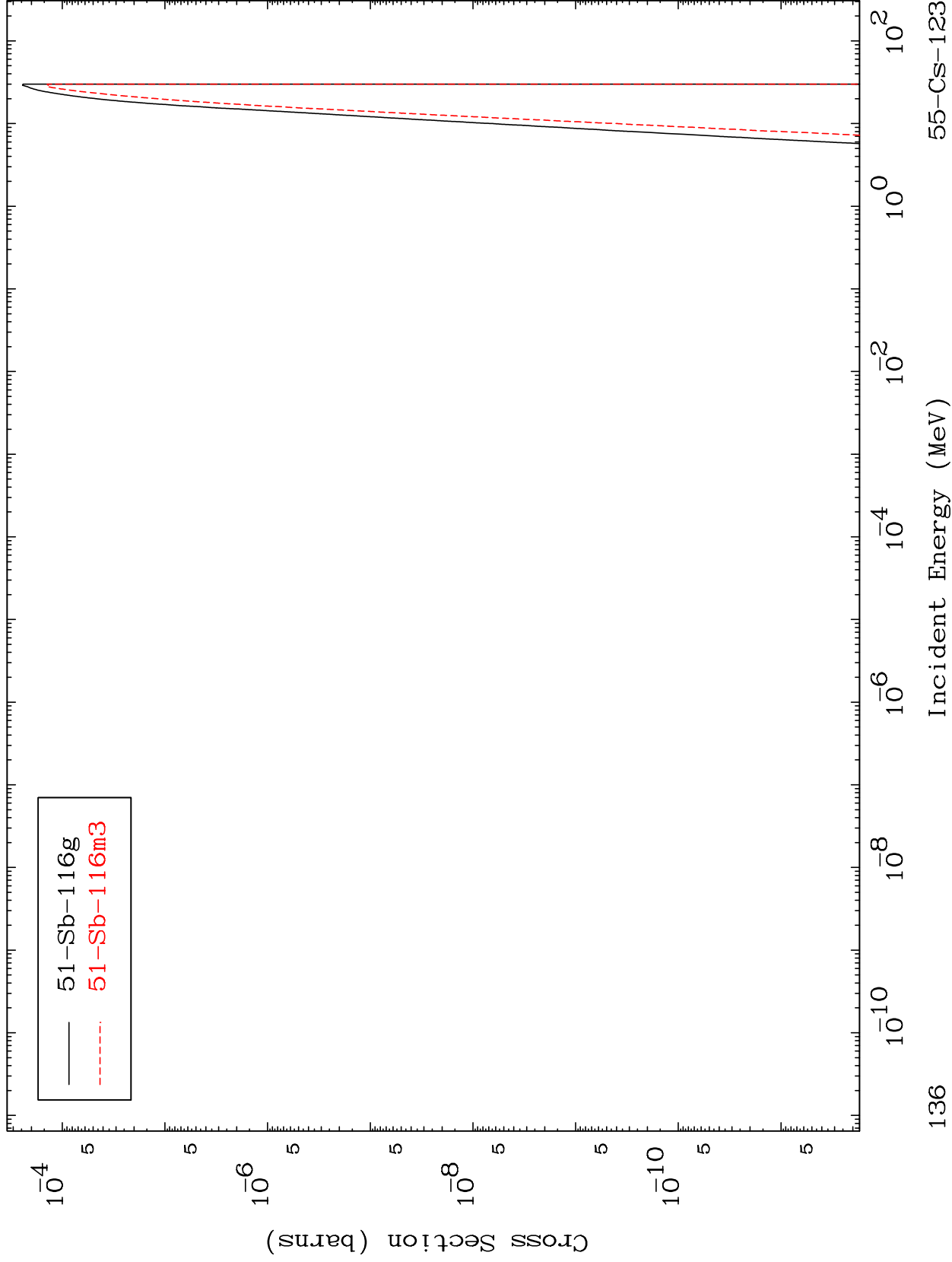


MAT 5495

(n,2α)

55-Cs-123

Radionuclide Production Cross Section

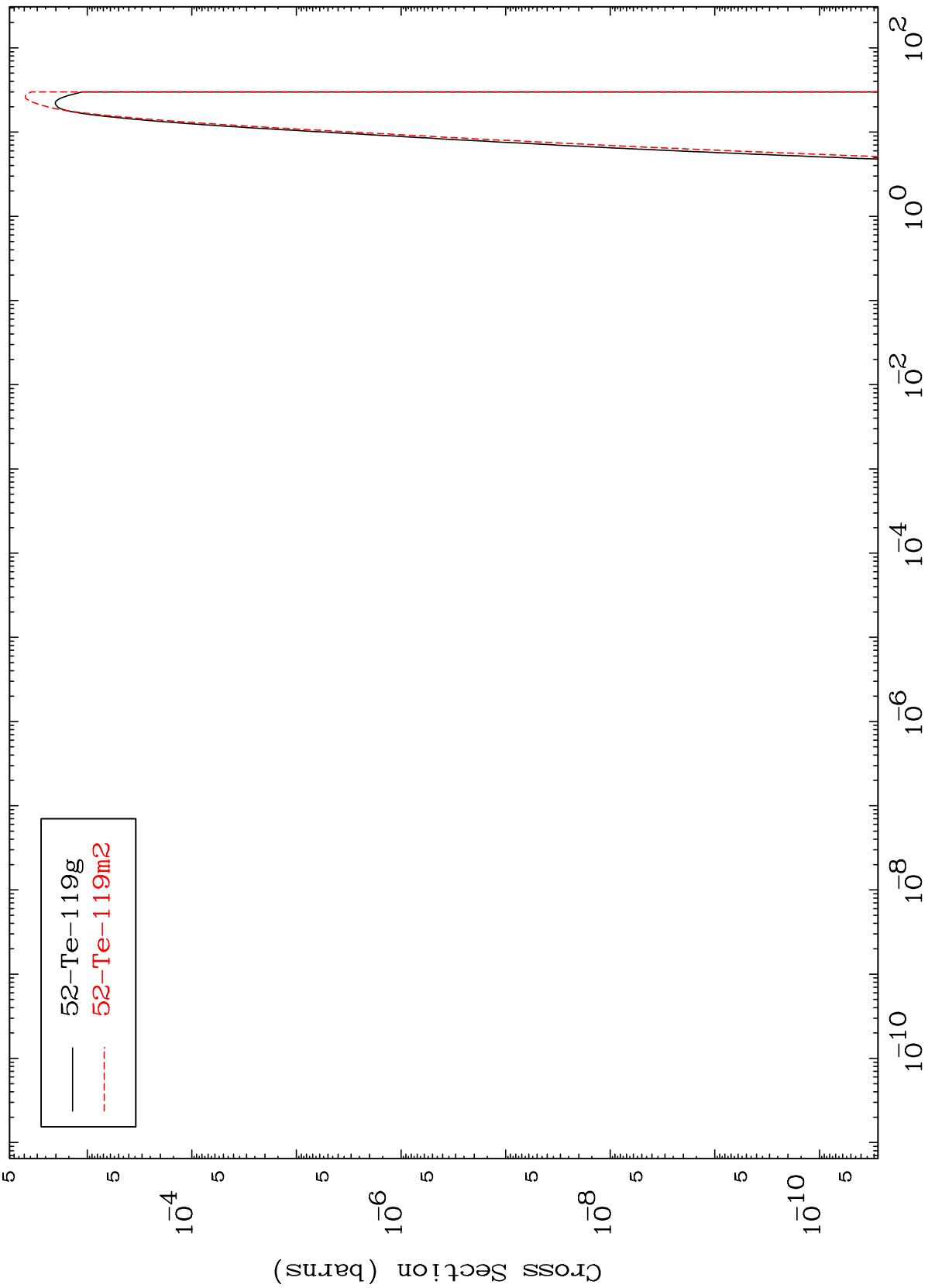


MAT 5495

(n,p)  $\alpha$

55-Cs-123

Radionuclide Production Cross Section



137

55-Cs-123

Radionuclide Production Cross Section

