

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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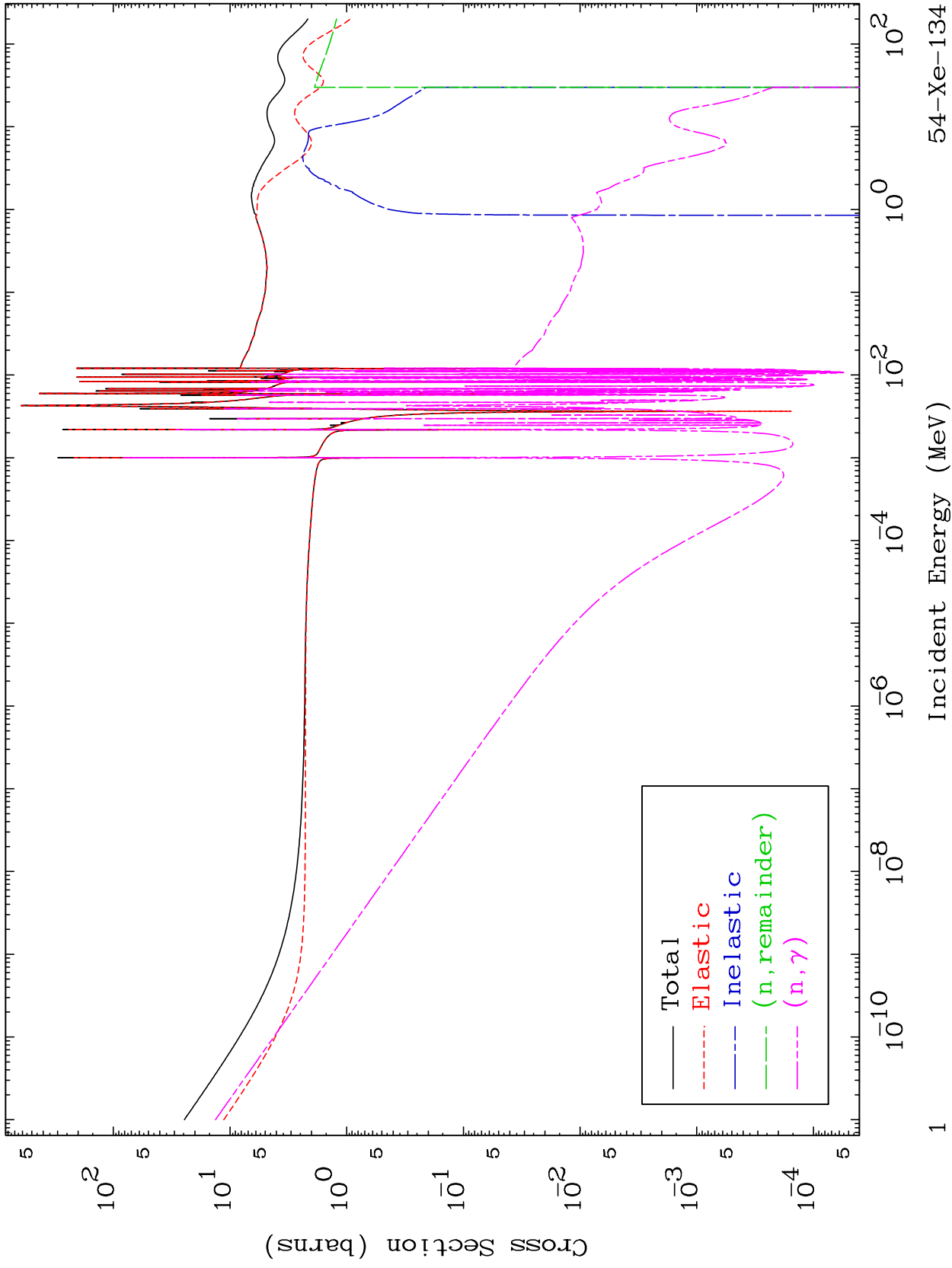
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Press Mouse Button to Start

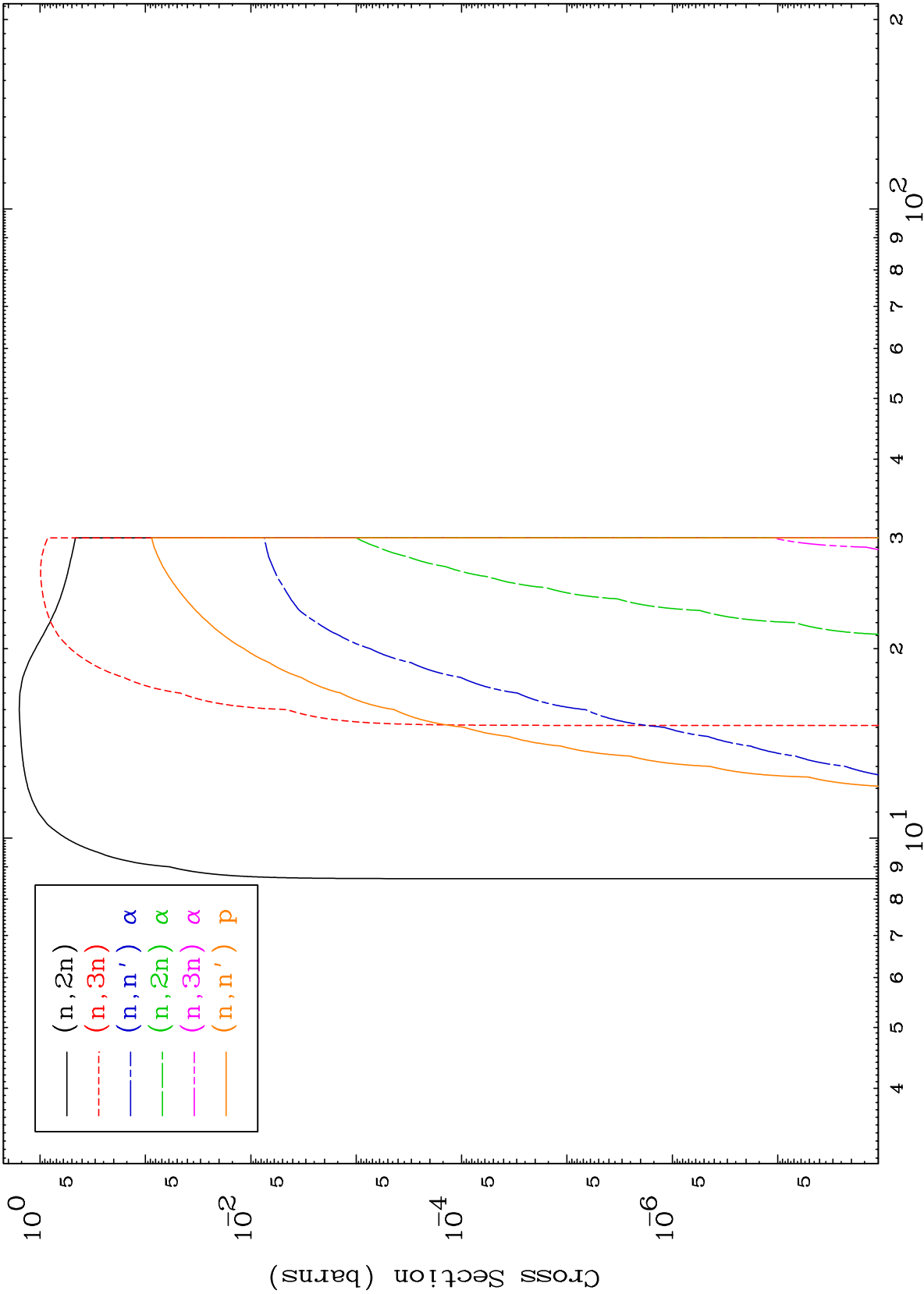
MAT 5455

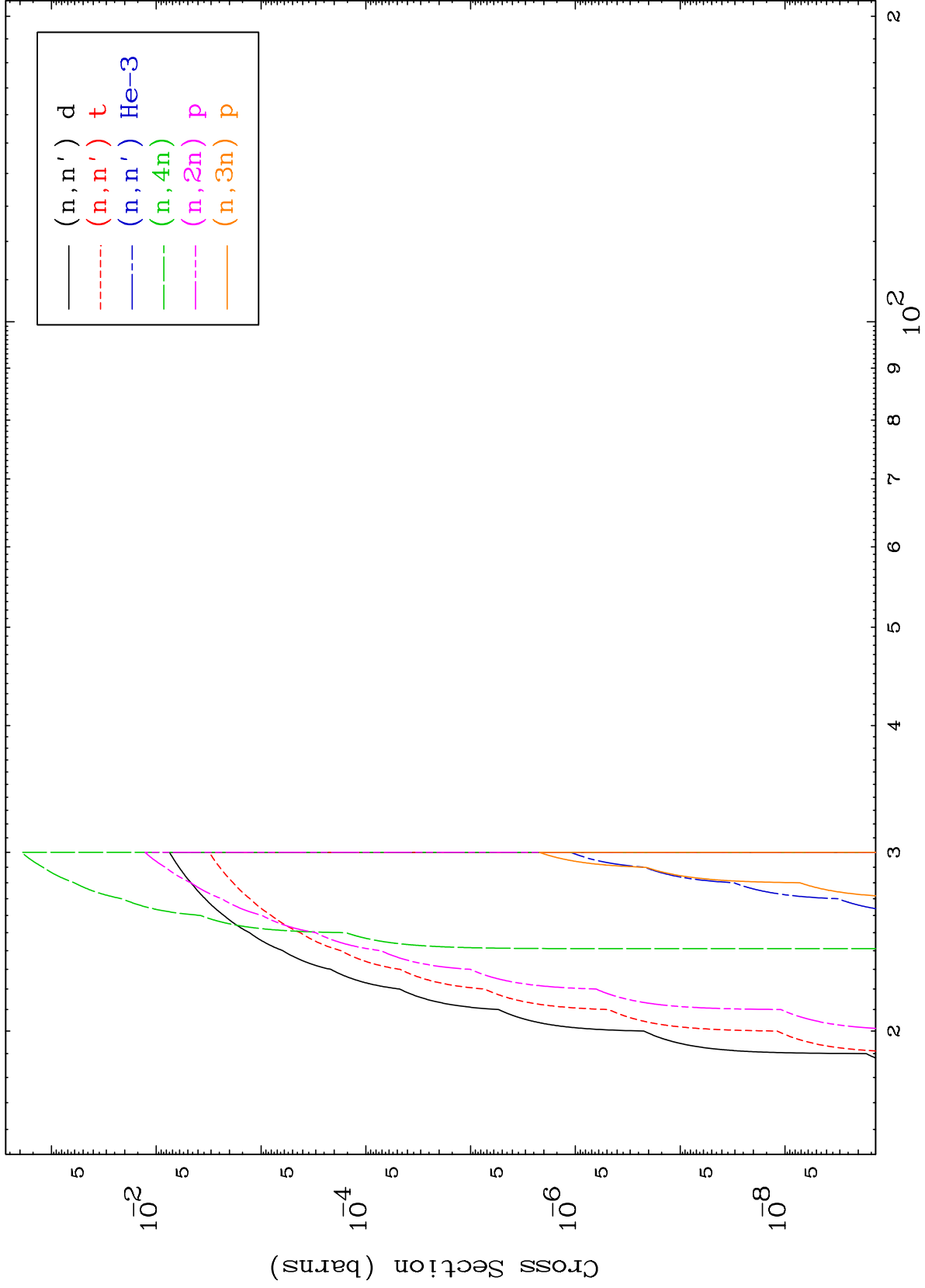
Major  
293 Kelvin Cross Sections

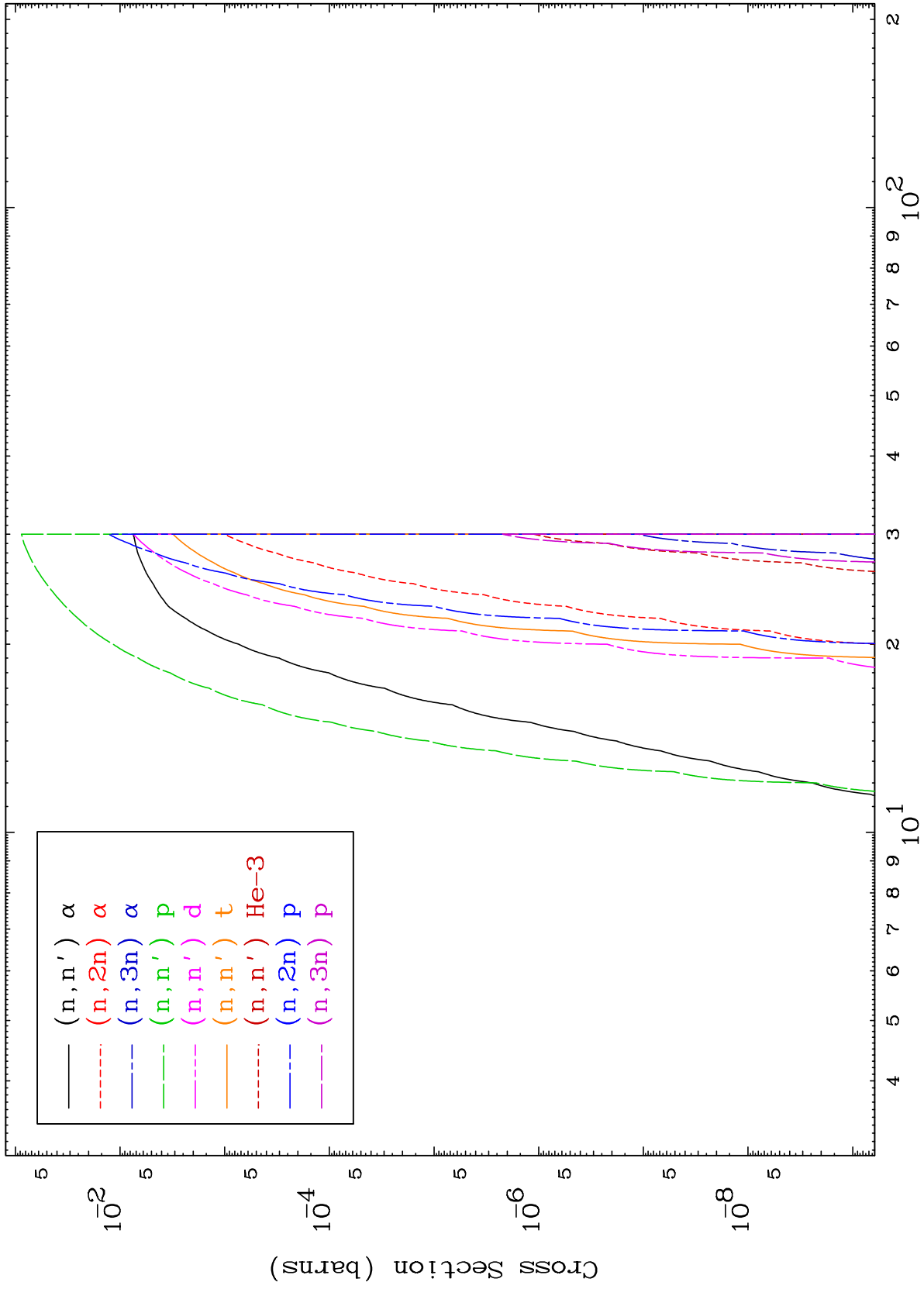
54-Xe-134



Neutron Production  
293 Kelvin Cross Sections



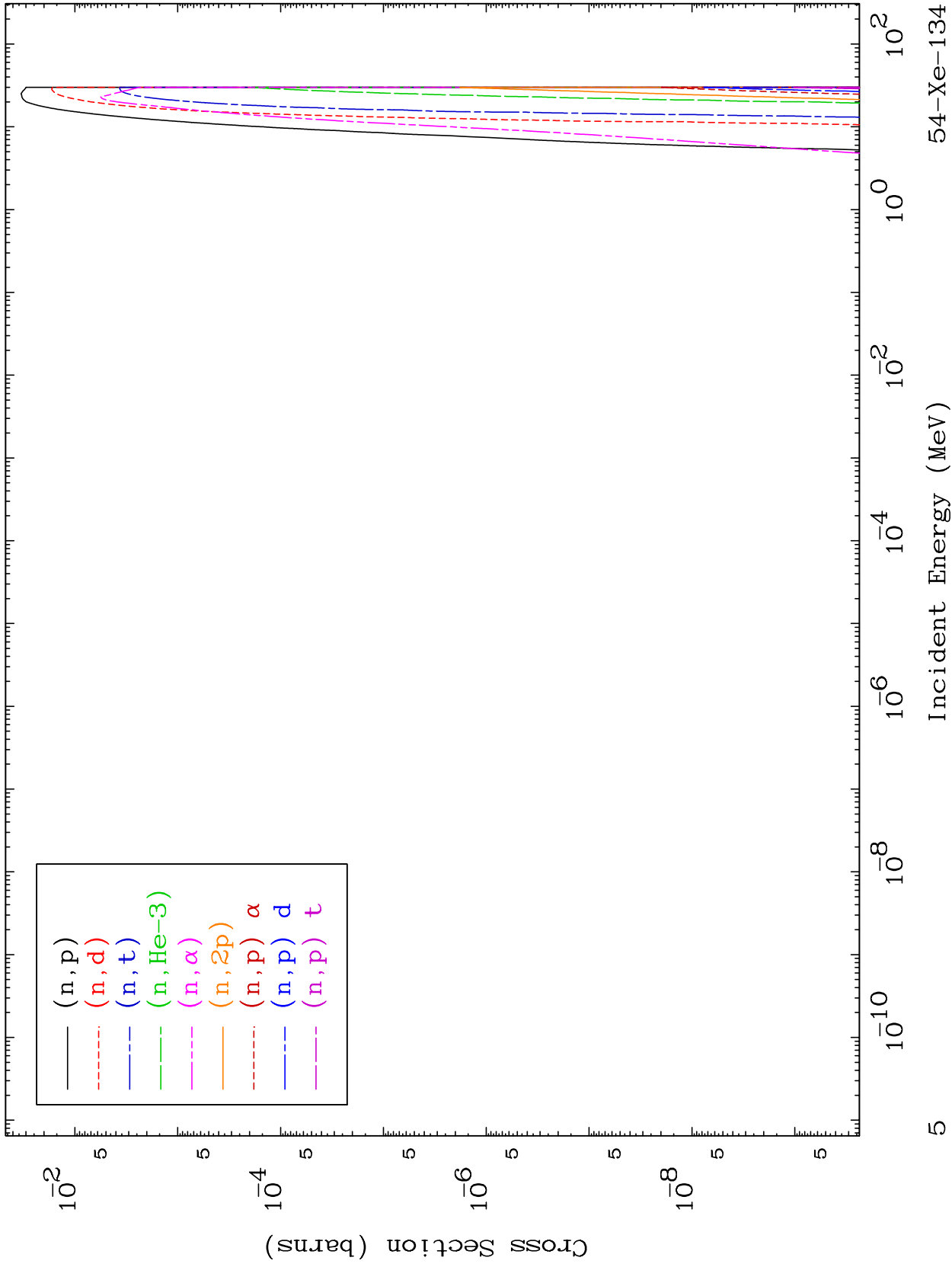




MAT 5455

Charged Particle  
293 Kelvin Cross Sections

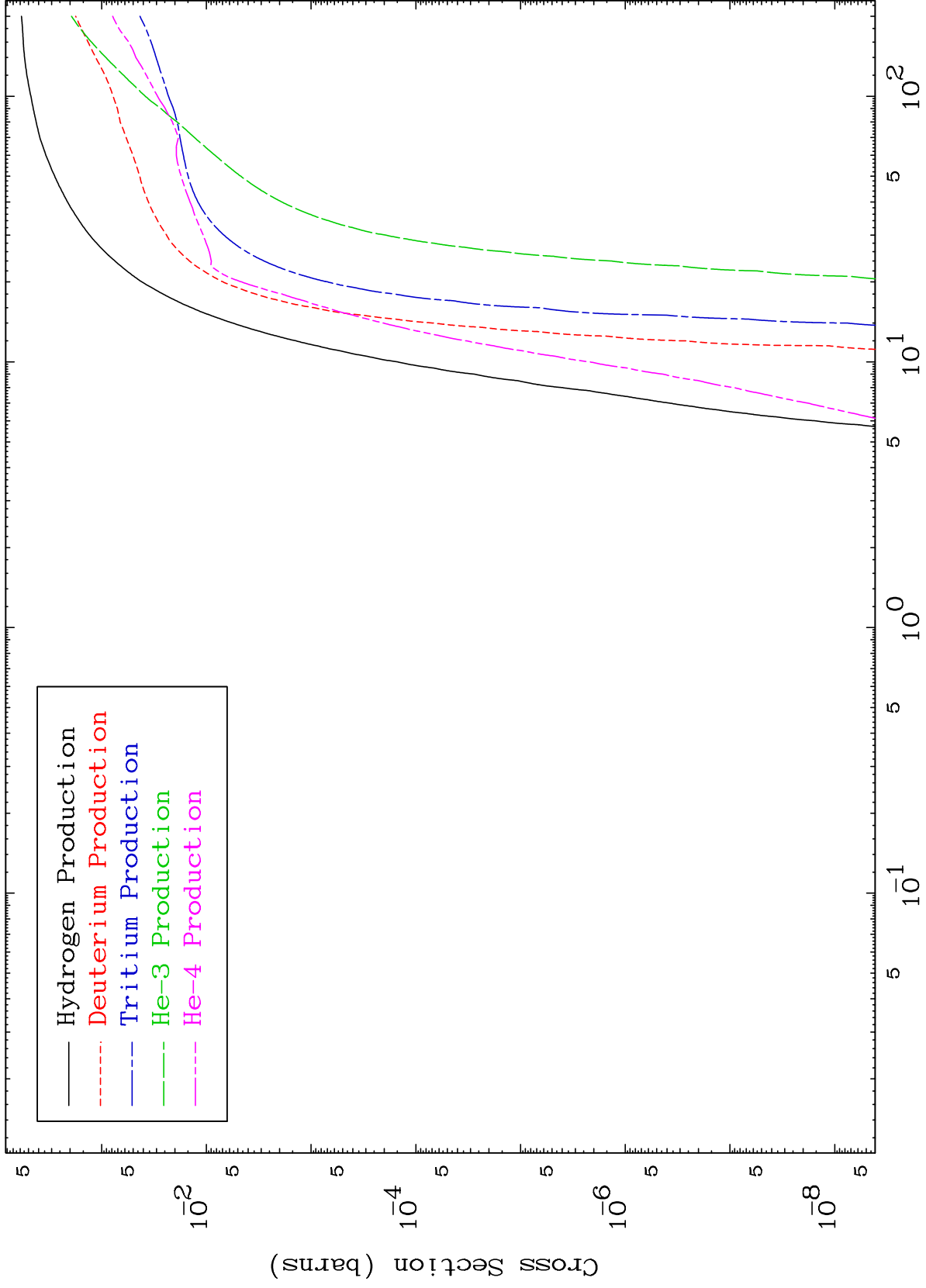
54-Xe-134



MAT 5455

Particle Production  
293 Kelvin Cross Sections

54-Xe-134



6

Incident Energy (MeV)

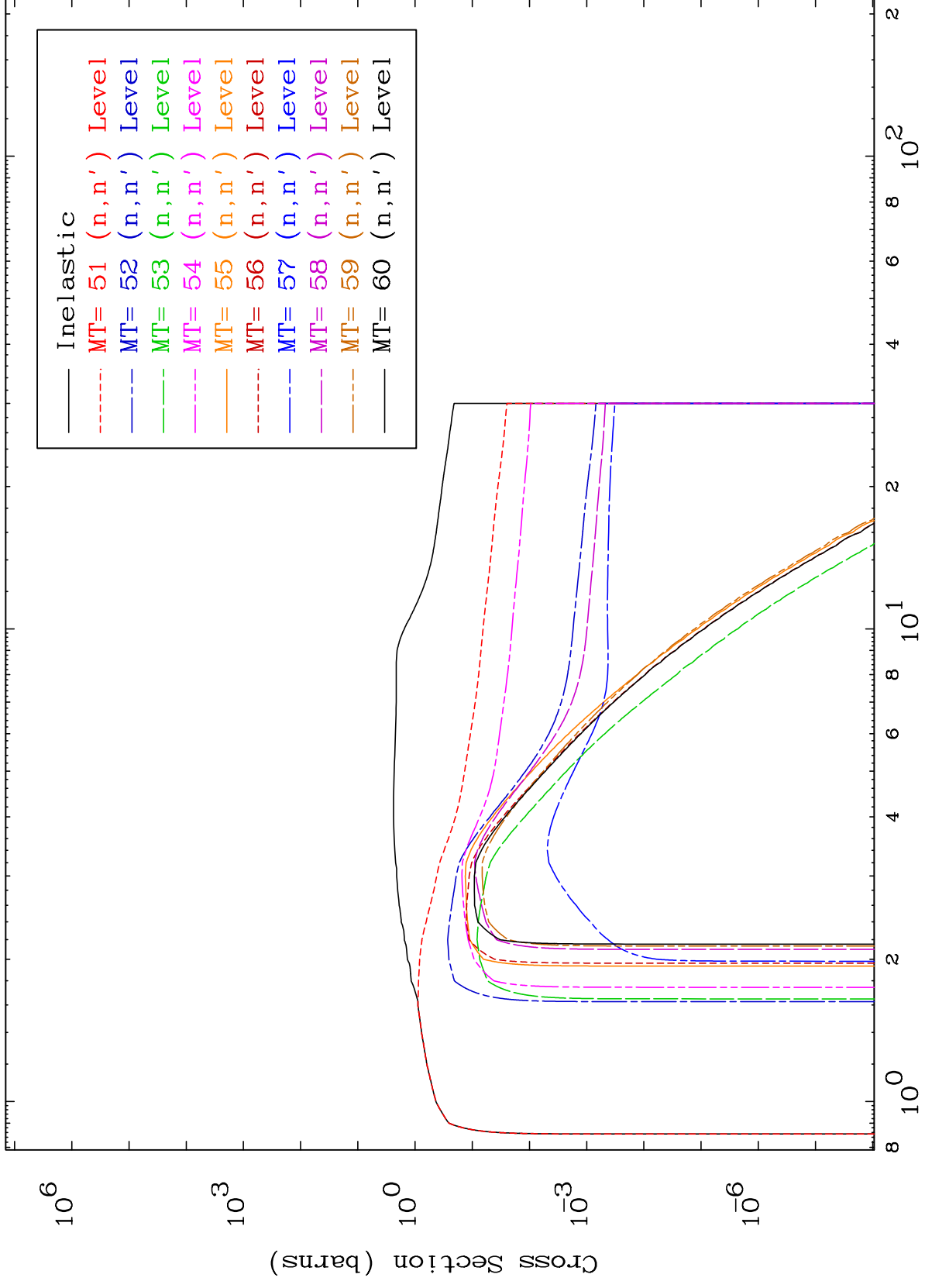
54-Xe-134

MAT 5455

(n,n') Level

54-Xe-134

293 Kelvin Cross Sections



Incident Energy (MeV)

54-Xe-134

7

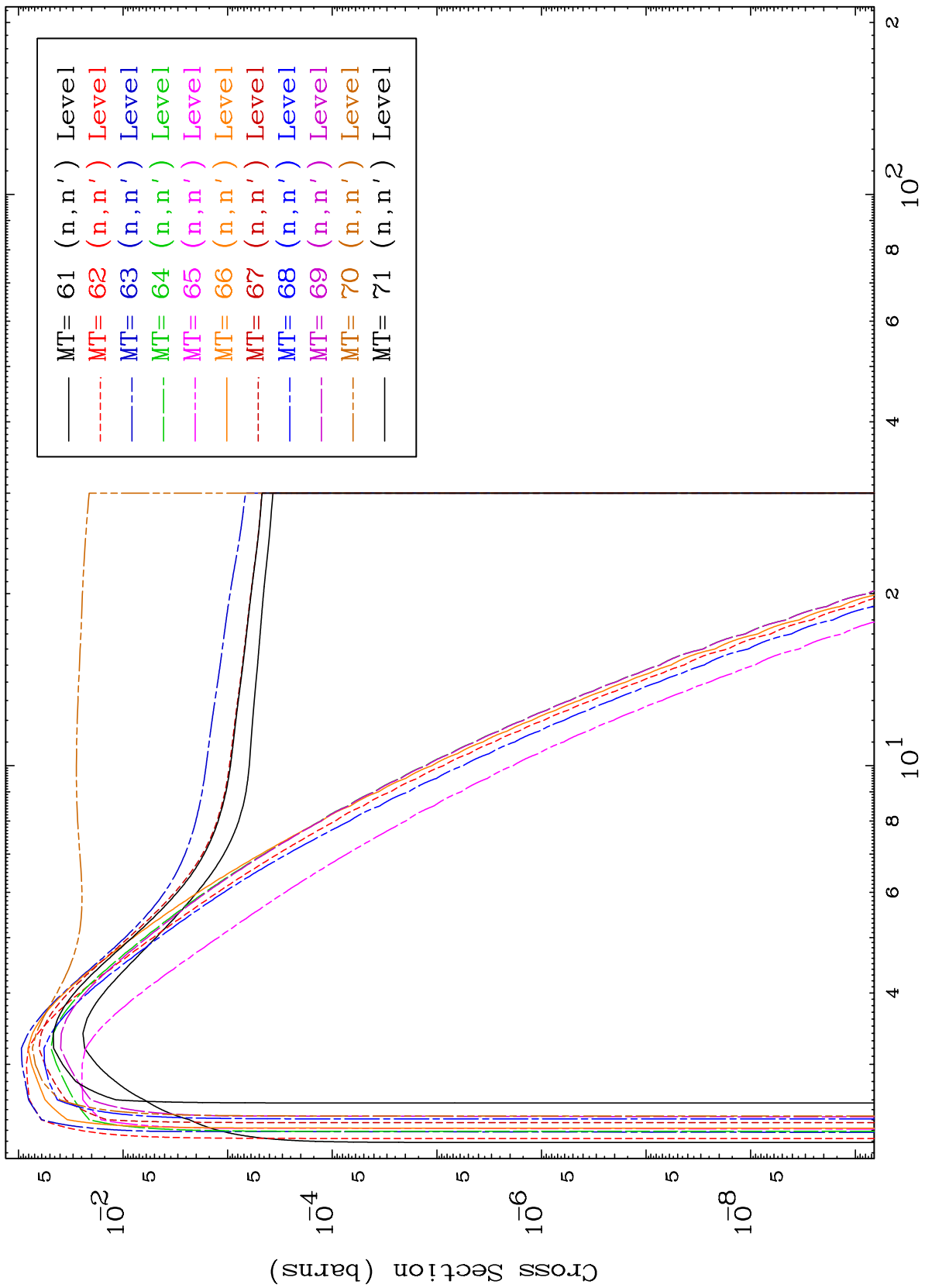


MAT 5455

(n,n') Level

54-Xe-134

293 Kelvin Cross Sections



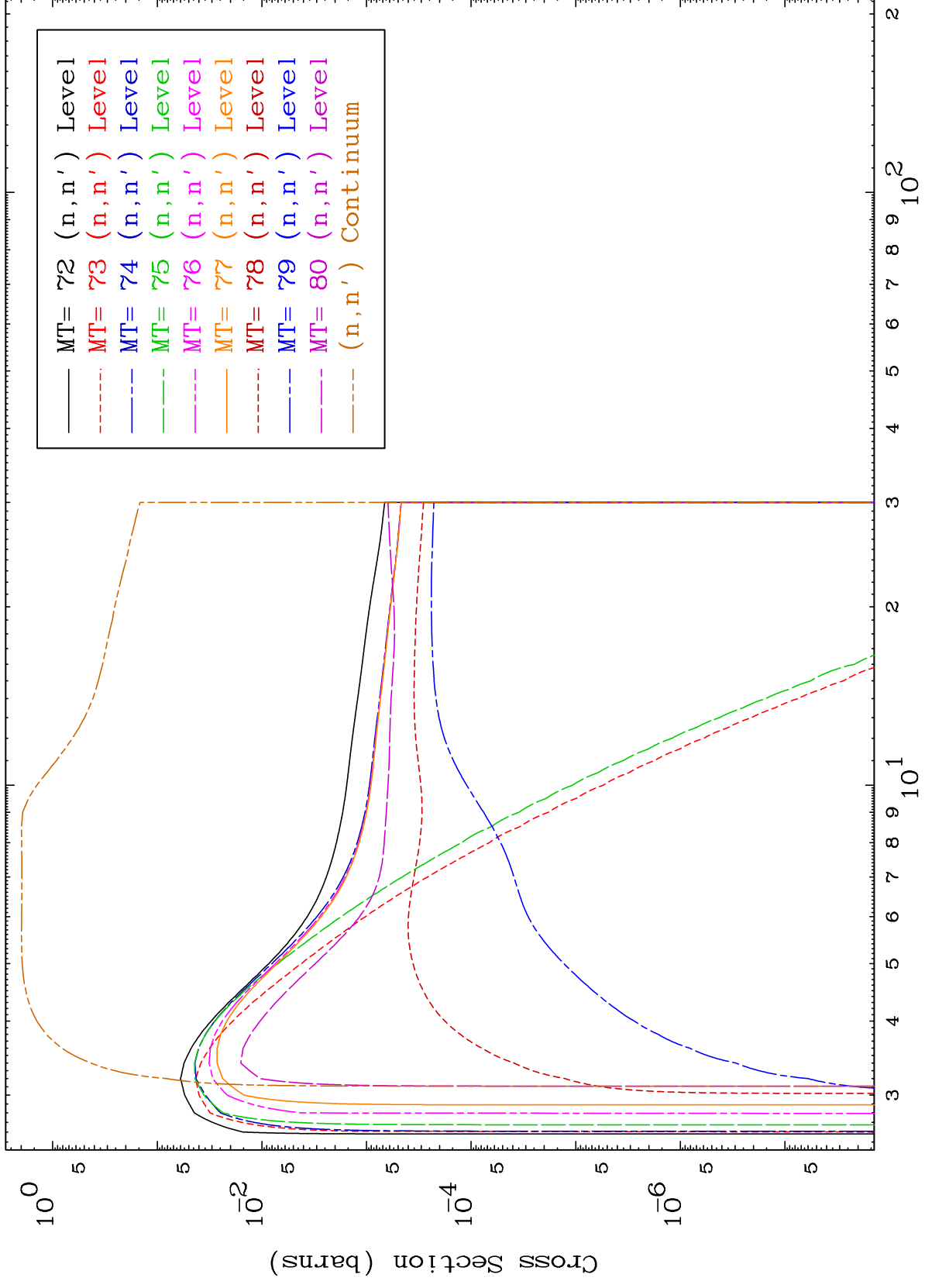
Line Style	MT=	(n, n')	Level
Solid	61	(n, n')	Level
Dashed	62	(n, n')	Level
Long Dash	63	(n, n')	Level
Short Dash	64	(n, n')	Level
Dash-Dot	65	(n, n')	Level
Long Dash	66	(n, n')	Level
Short Dash	67	(n, n')	Level
Dash-Dot	68	(n, n')	Level
Long Dash	69	(n, n')	Level
Short Dash	70	(n, n')	Level
Solid	71	(n, n')	Level

8

Incident Energy (MeV)

54-Xe-134

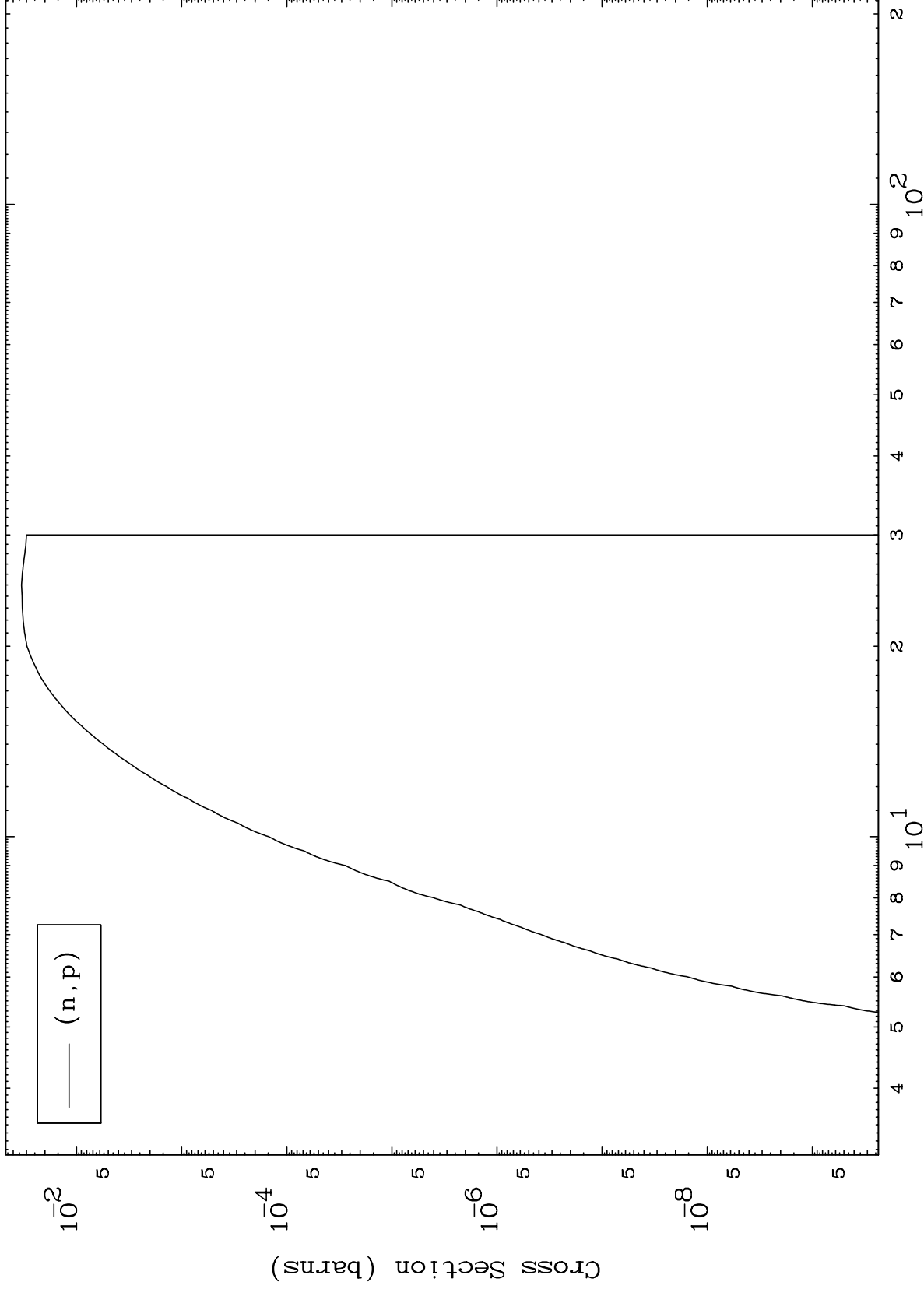
293 Kelvin Cross Sections



MAT 5455

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-134



10

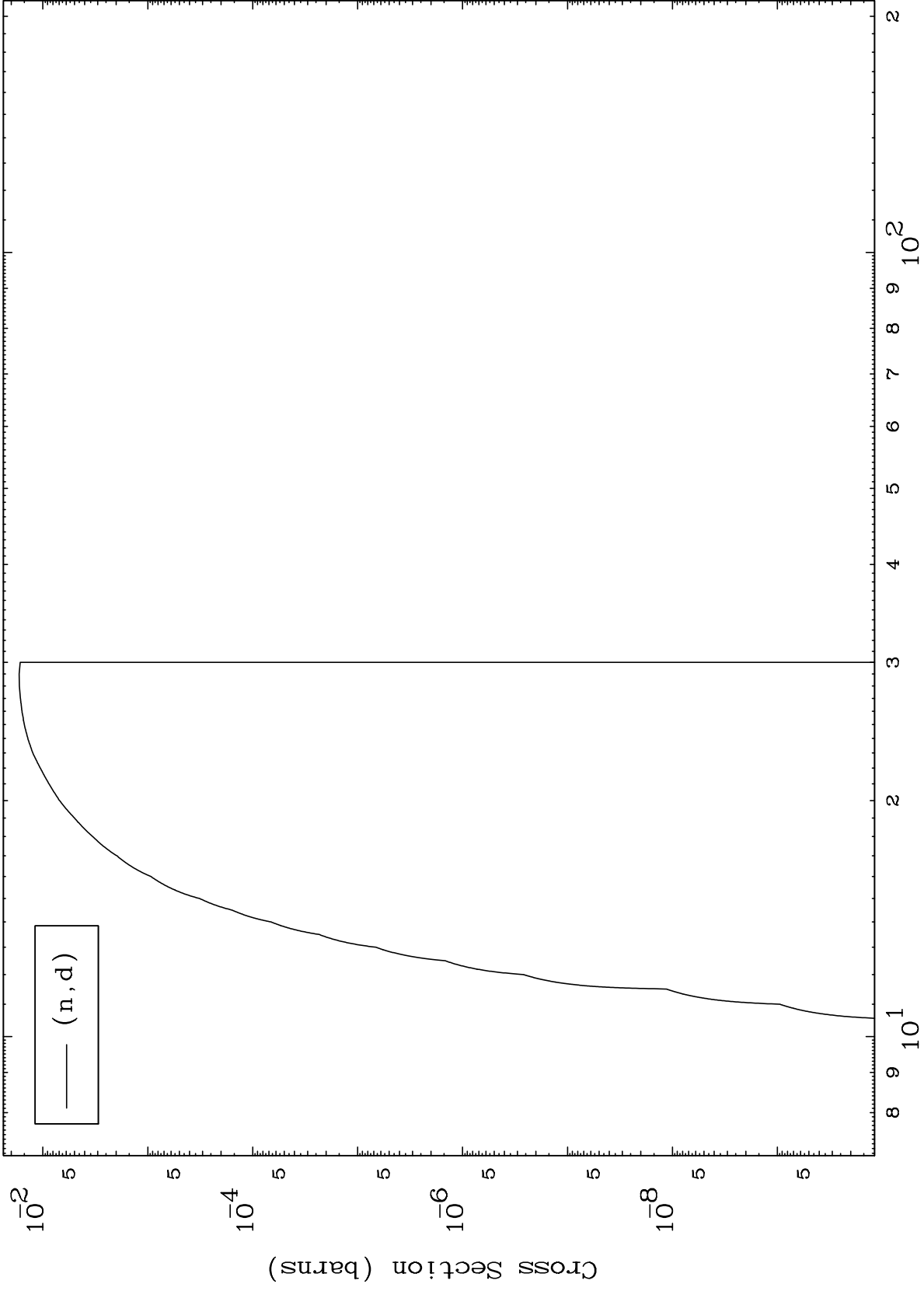
Incident Energy (MeV)

54-Xe-134

MAT 5455

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-134



11

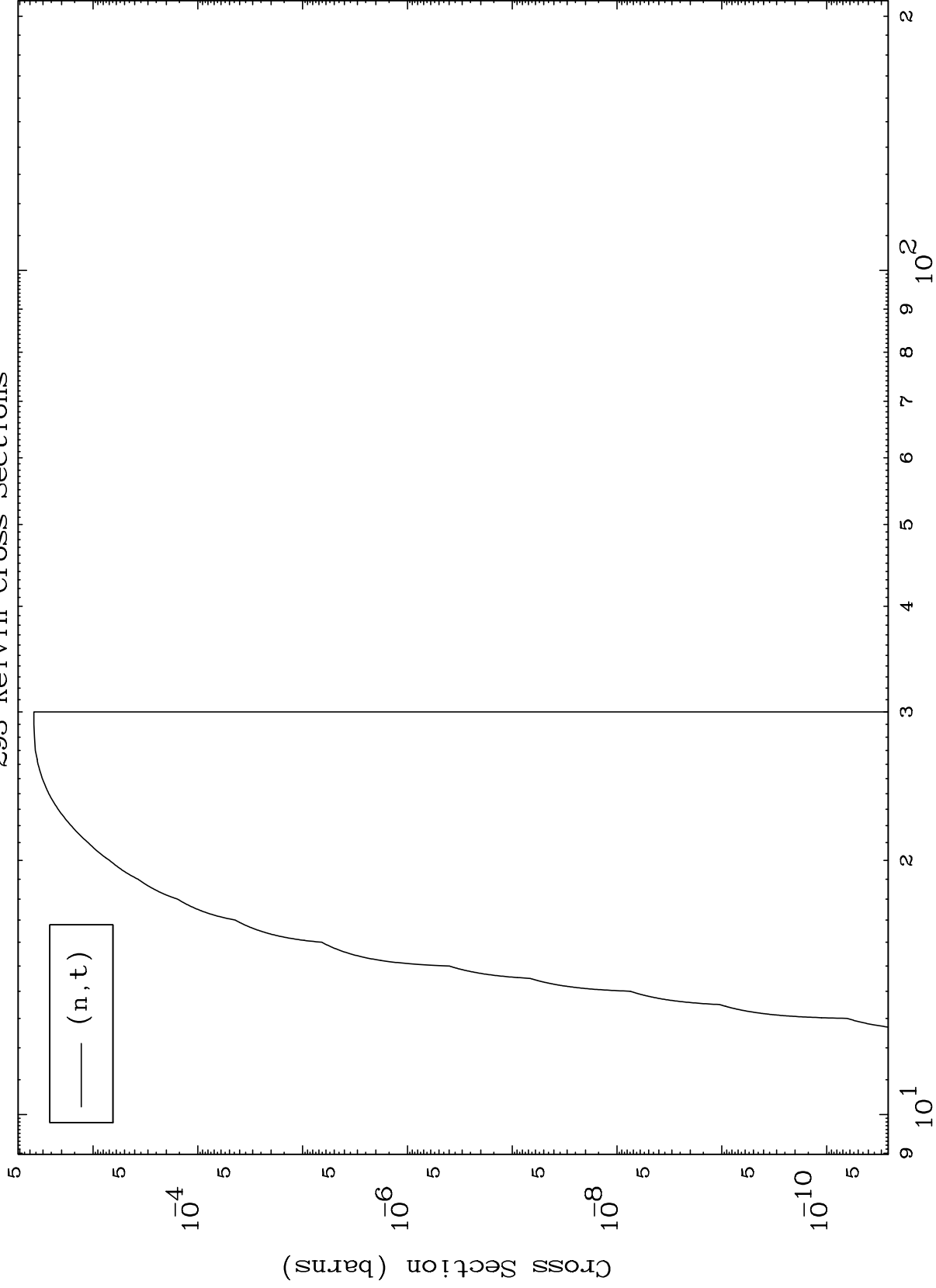
Incident Energy (MeV)

54-Xe-134

MAT 5455

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-134



12

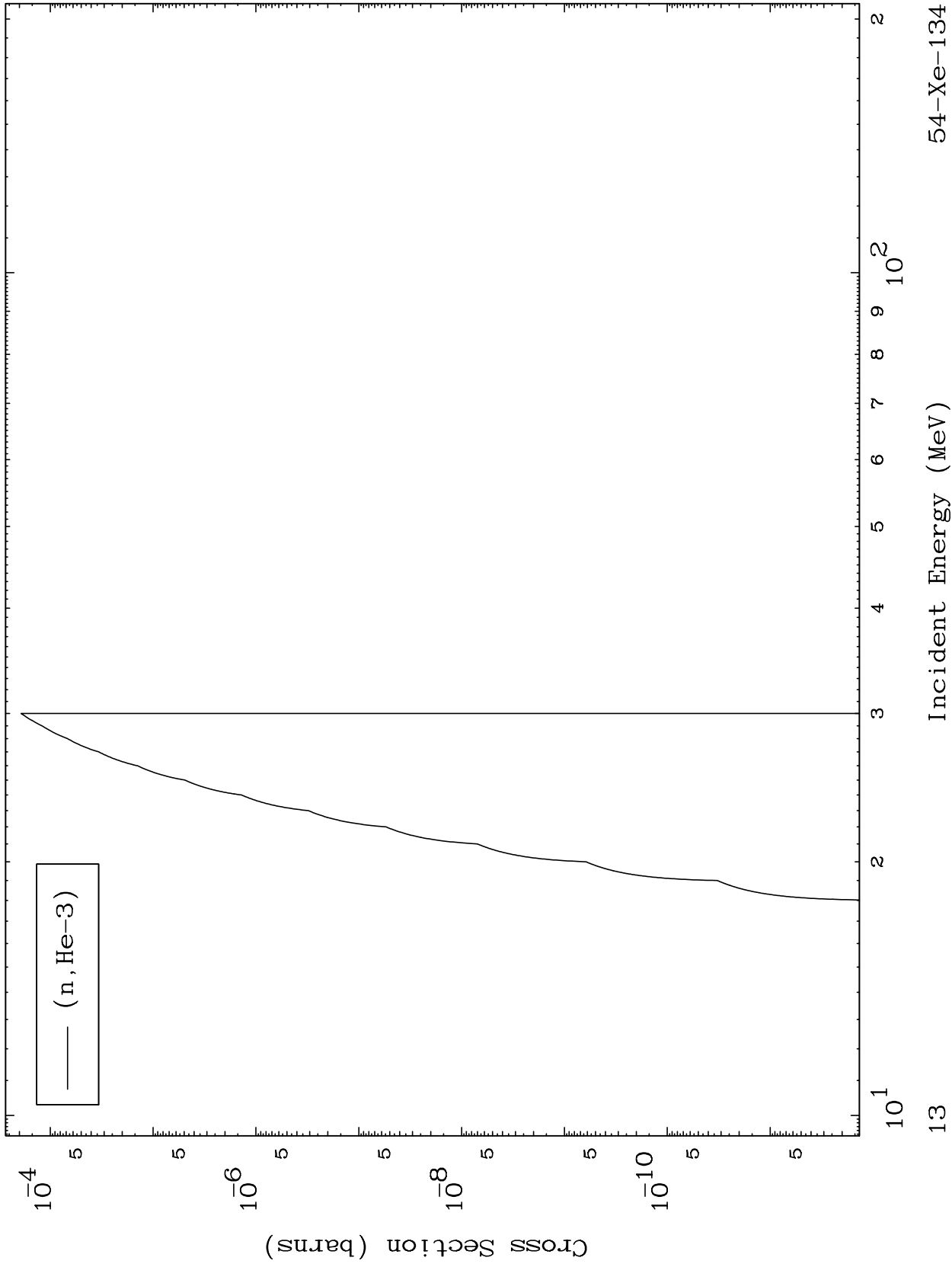
Incident Energy (MeV)

54-Xe-134

MAT 5455

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-134



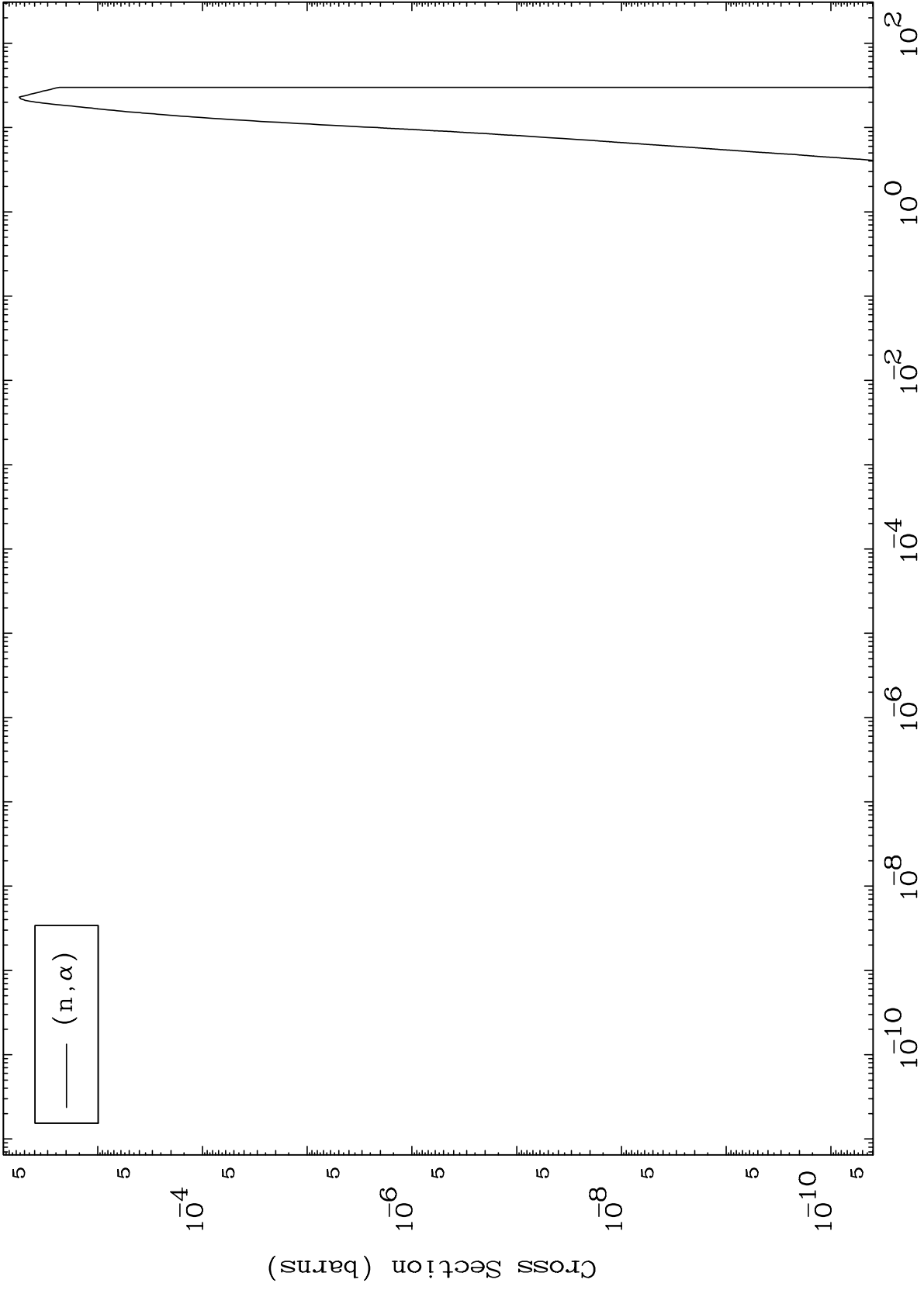
54-Xe-134

Incident Energy (MeV)

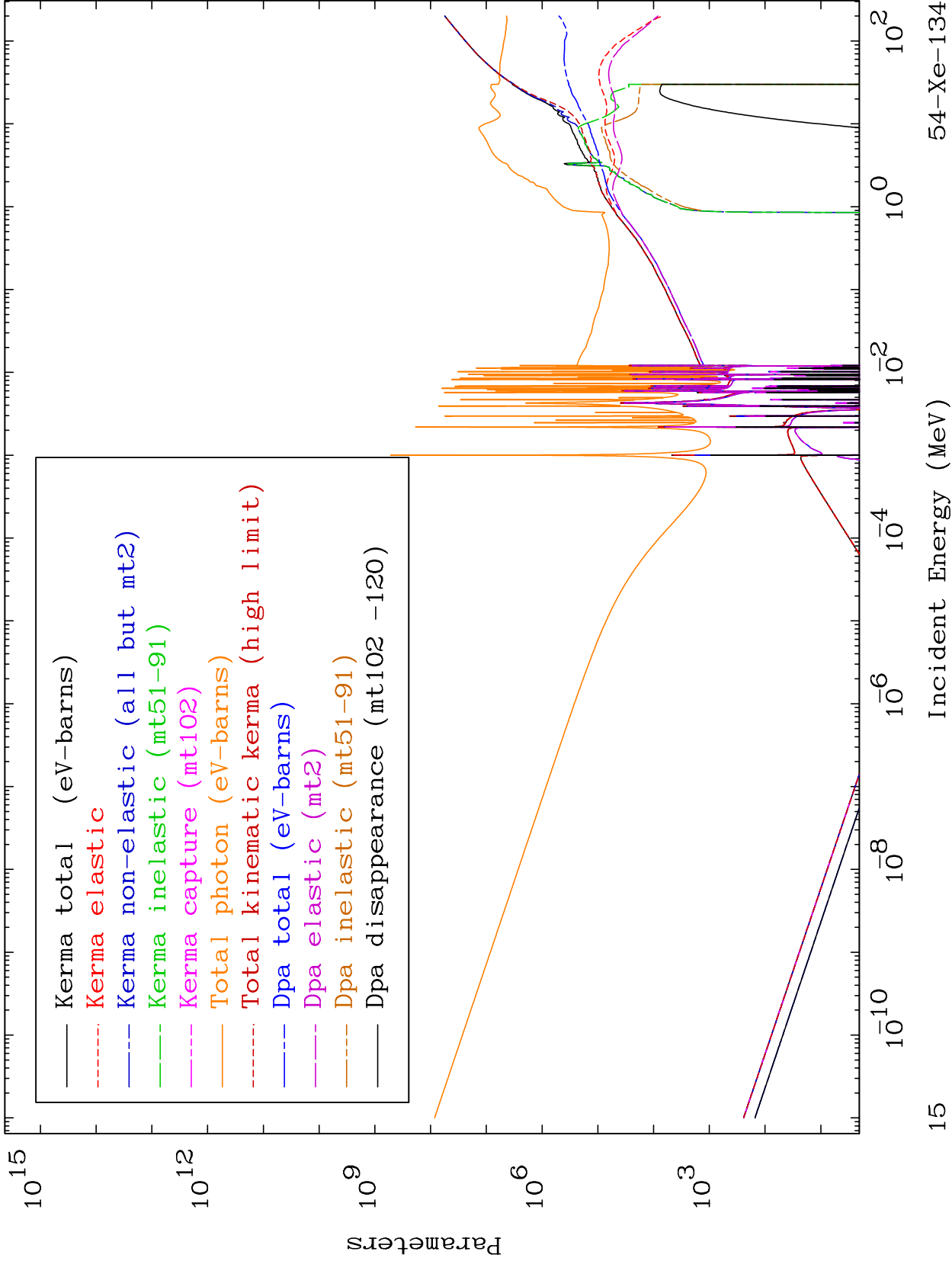
MAT 5455

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

54-Xe-134



(n,  $\alpha$ )

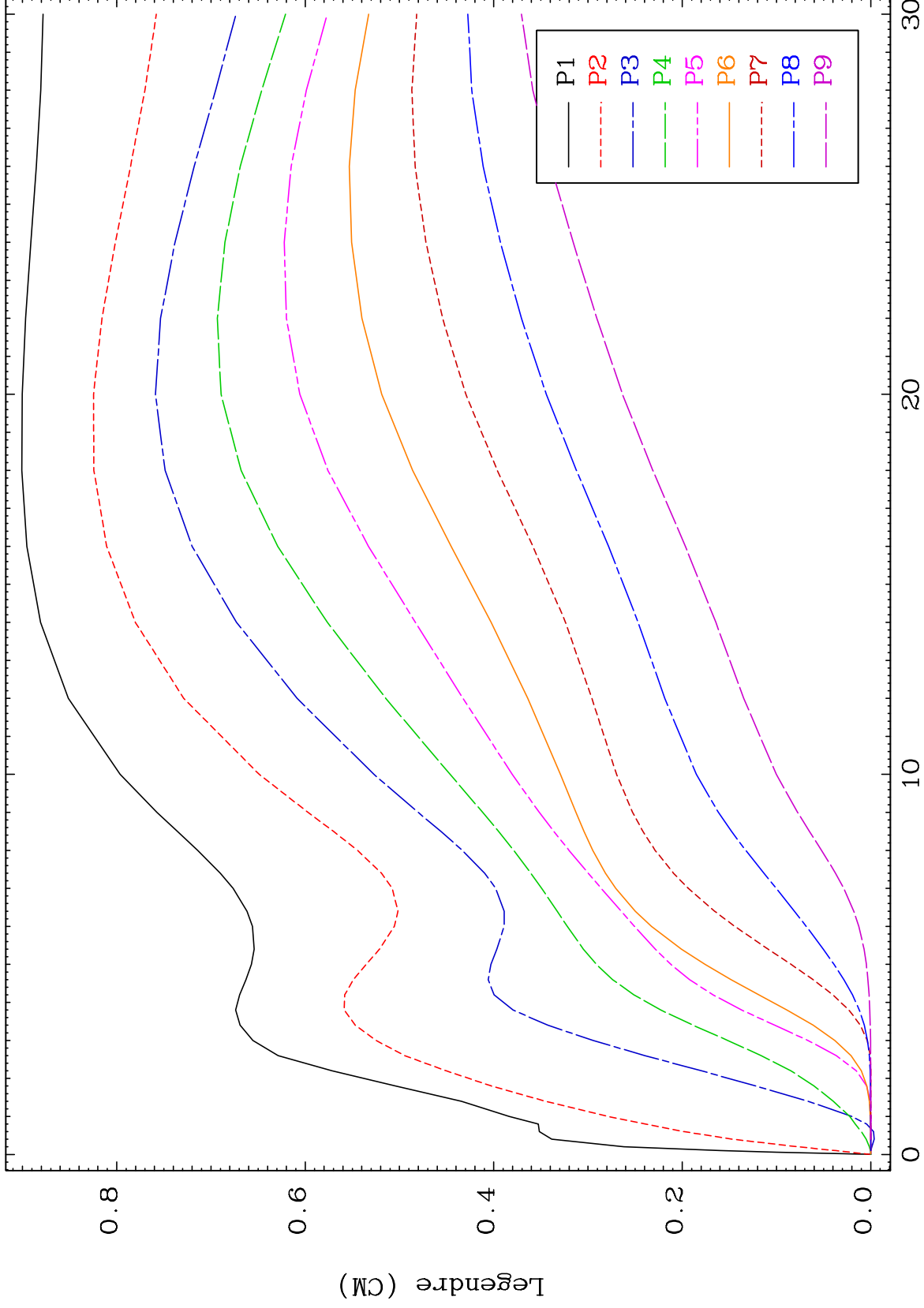




MAT 5455

54-Xe-134

Elastic Legendre Coefficients



16

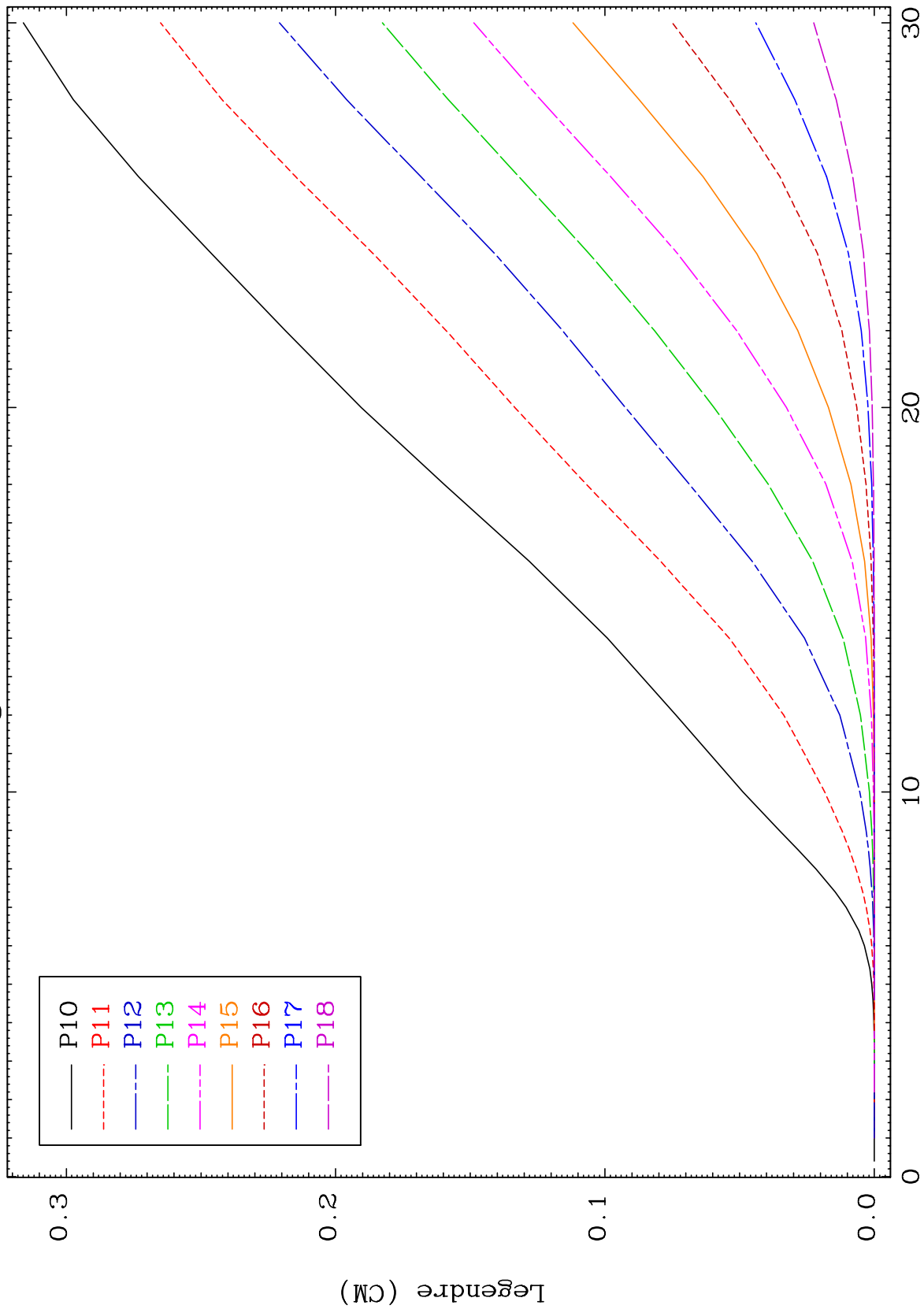
Incident Energy (MeV)

54-Xe-134

MAT 5455

Elastic Legendre Coefficients

54-Xe-134



17

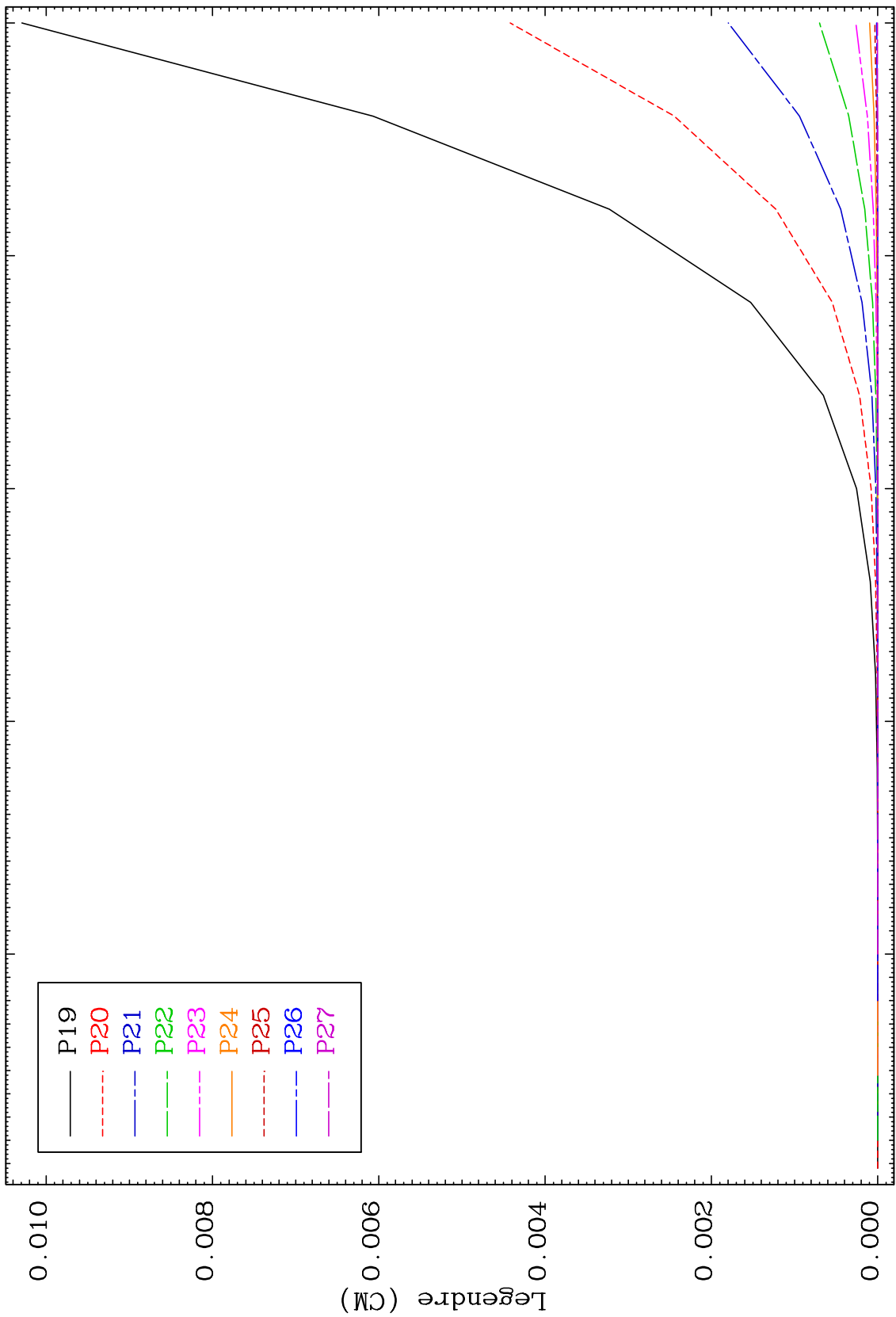
Incident Energy (MeV)

54-Xe-134

MAT 5455

### Elastic Legendre Coefficients

54-Xe-134



18

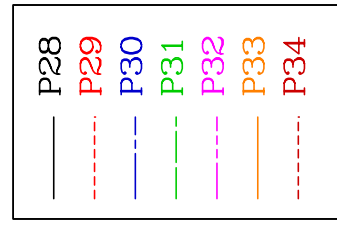
Incident Energy (MeV)

54-Xe-134

MAT 5455

Elastic  
Legendre Coefficients

54-Xe-134



$\times 10^{-7}$

Legendre (CM)

8

6

4

2

0

15

20

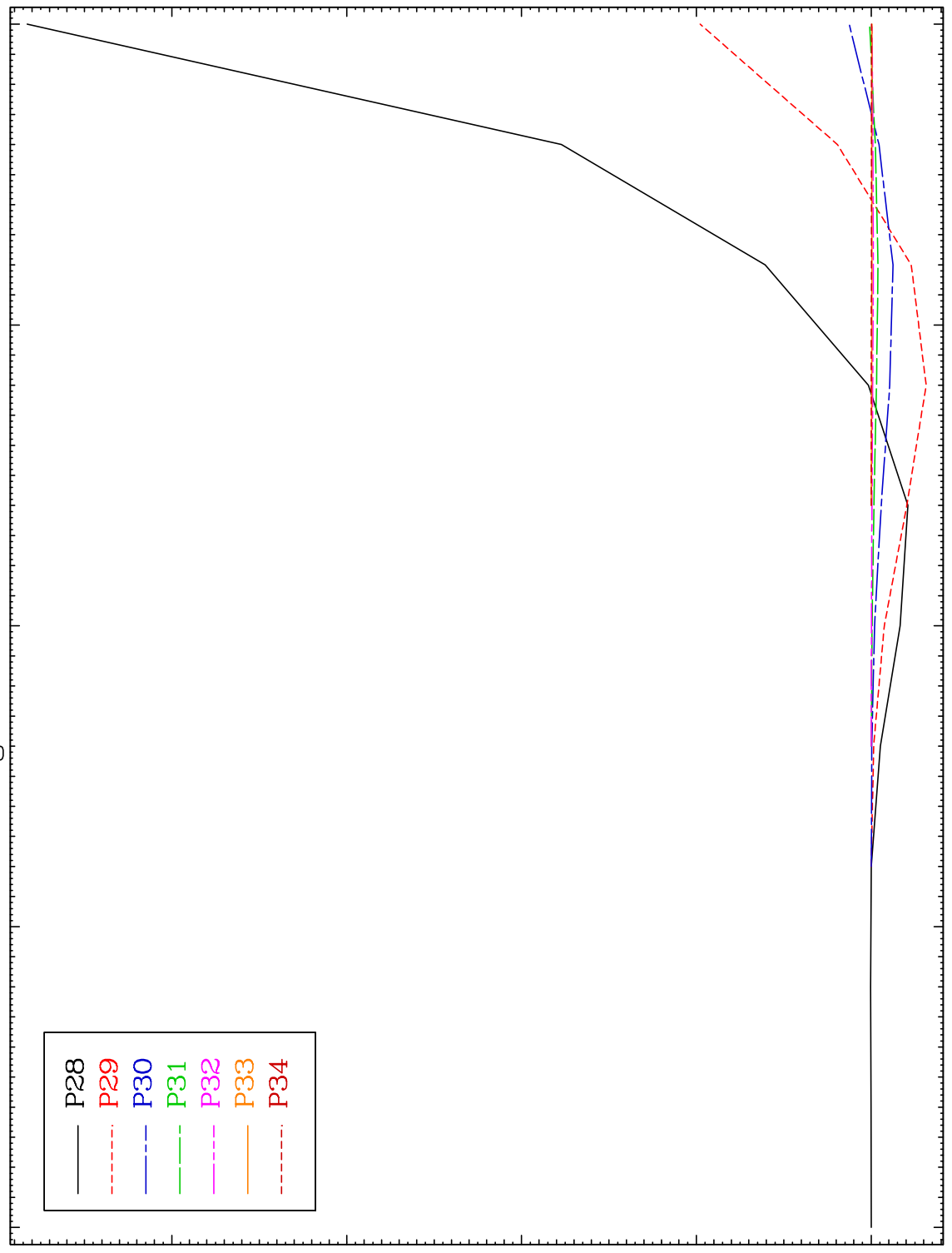
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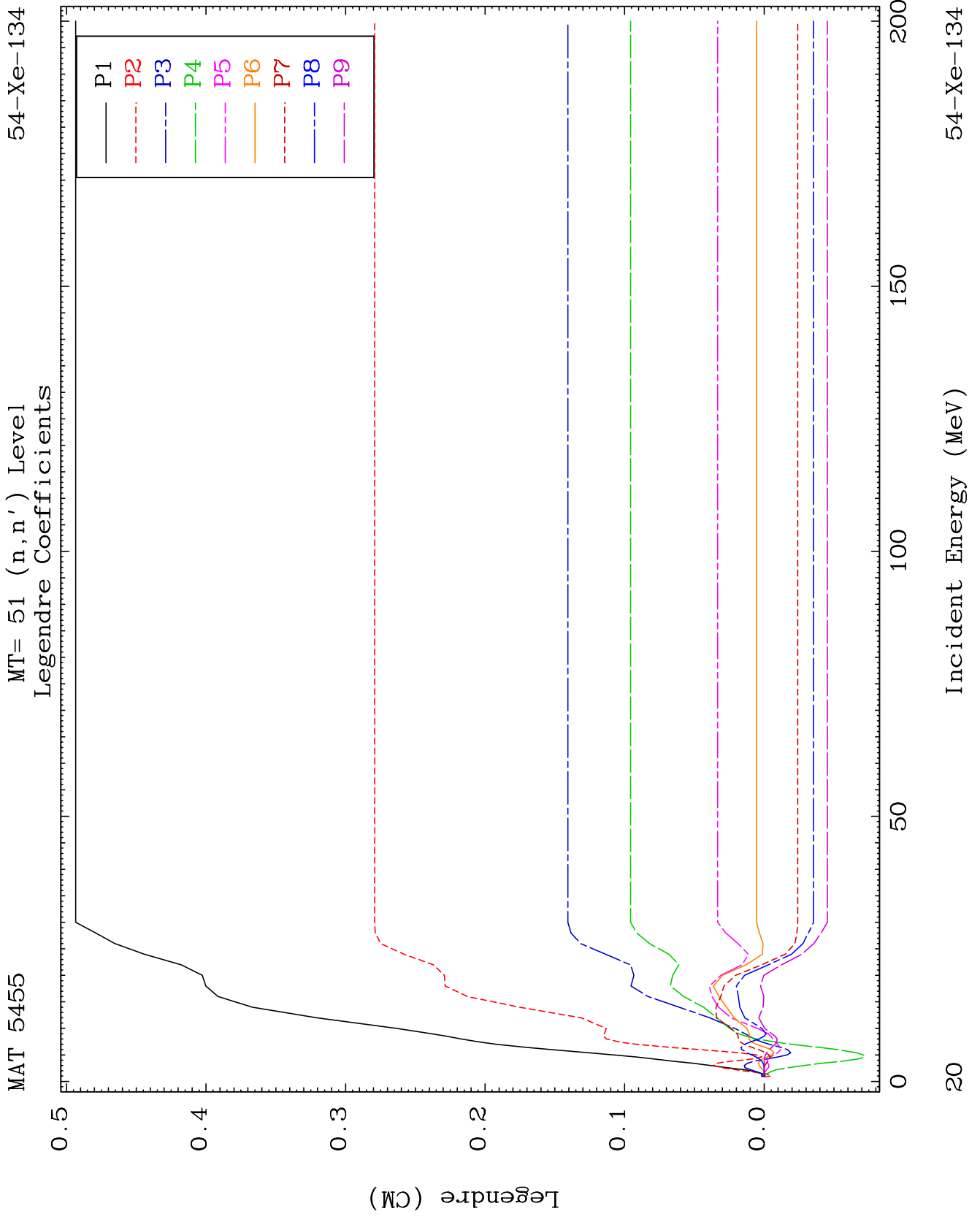
30

19

Incident Energy (MeV)

54-Xe-134

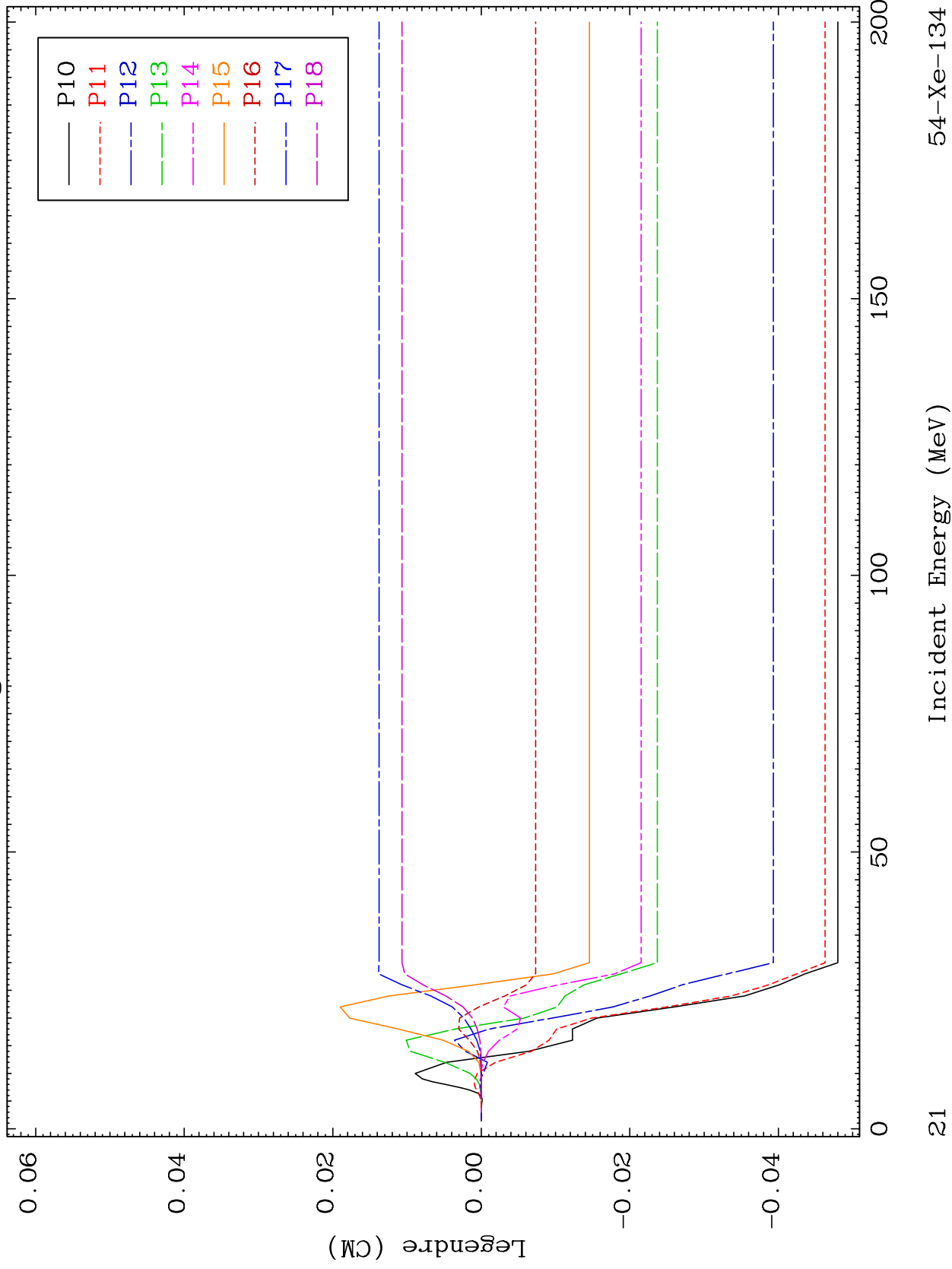




MAT 5455

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

54-Xe-134



21

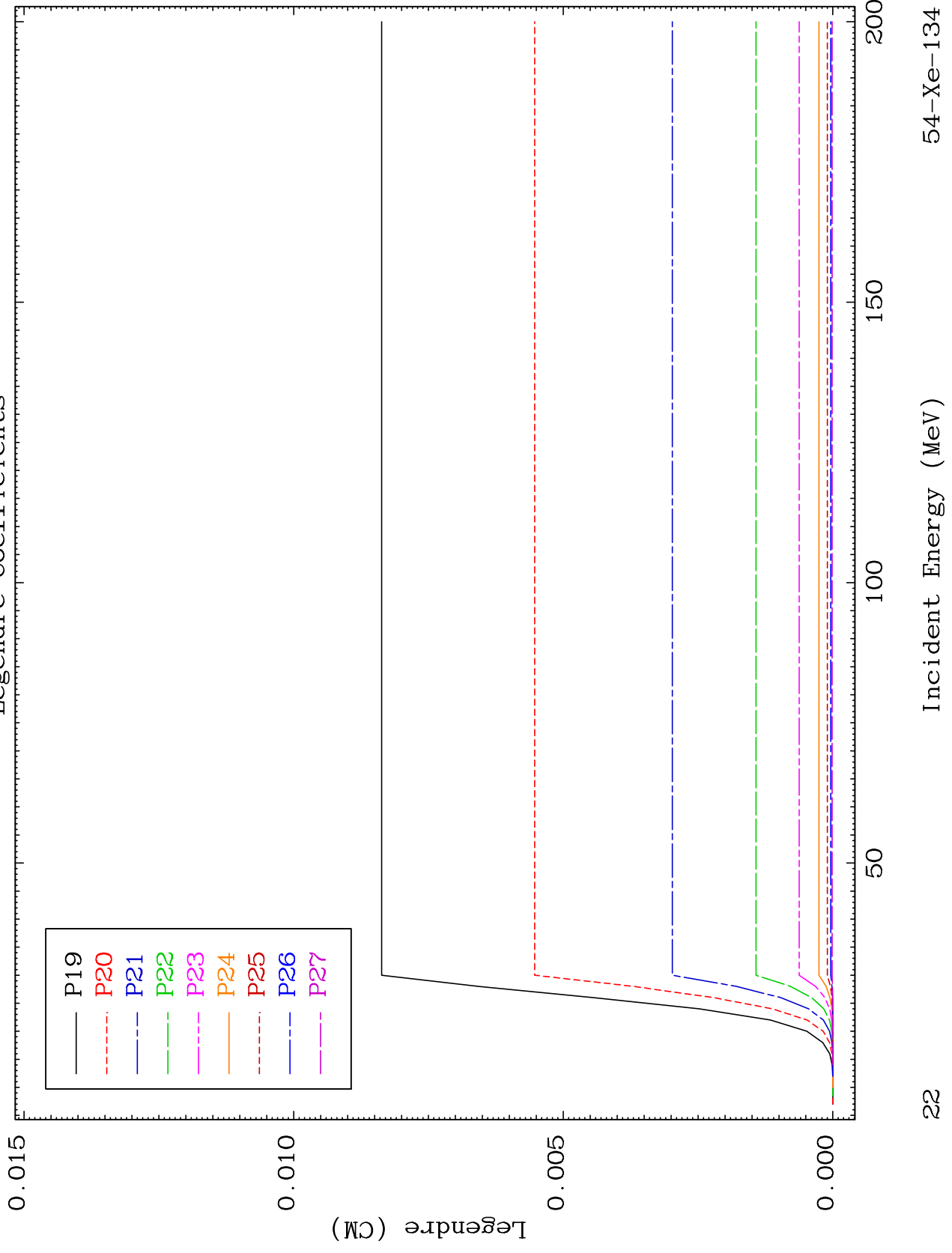
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



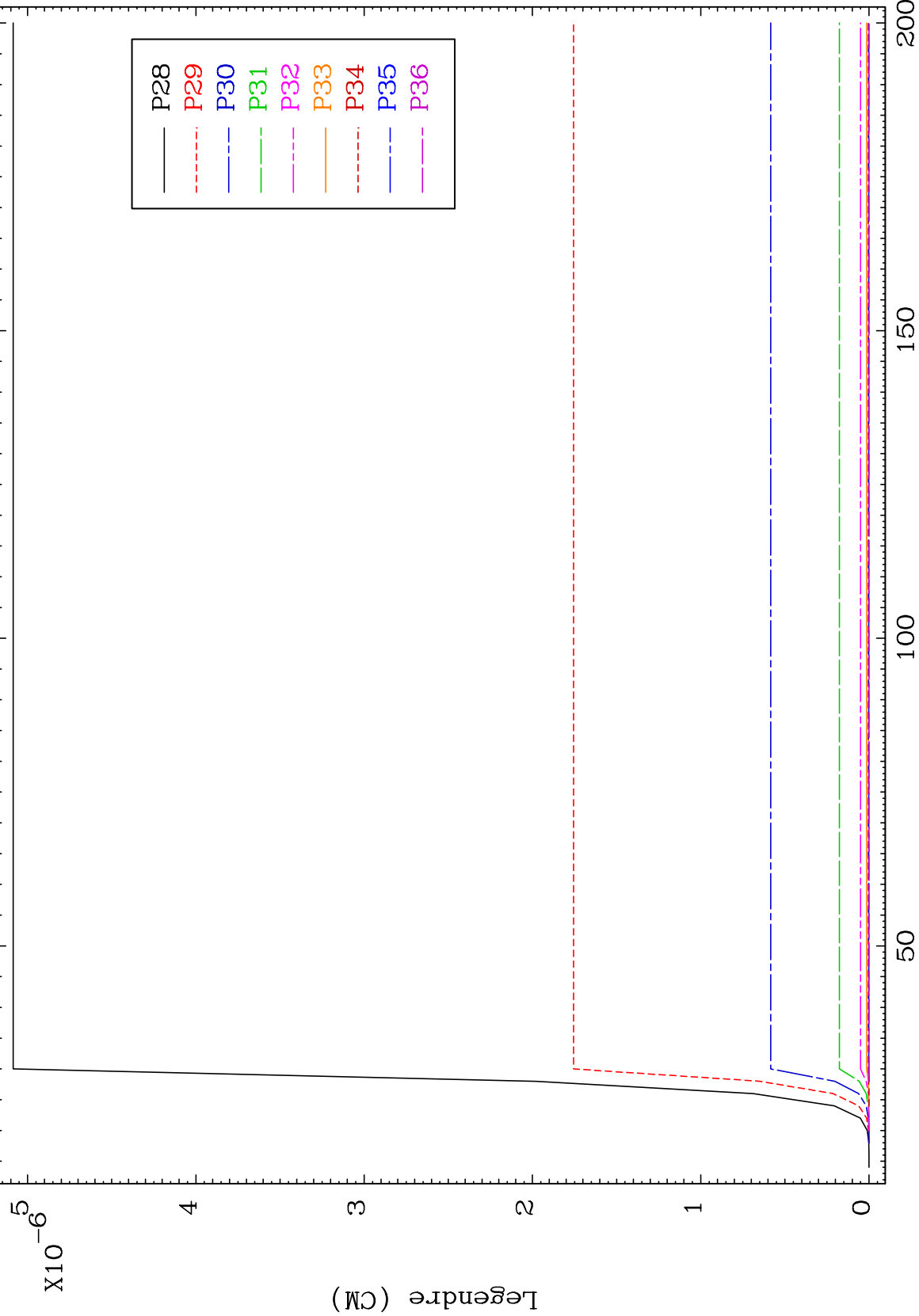
22

54-Xe-134

MAT 5455

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

54-Xe-134



23

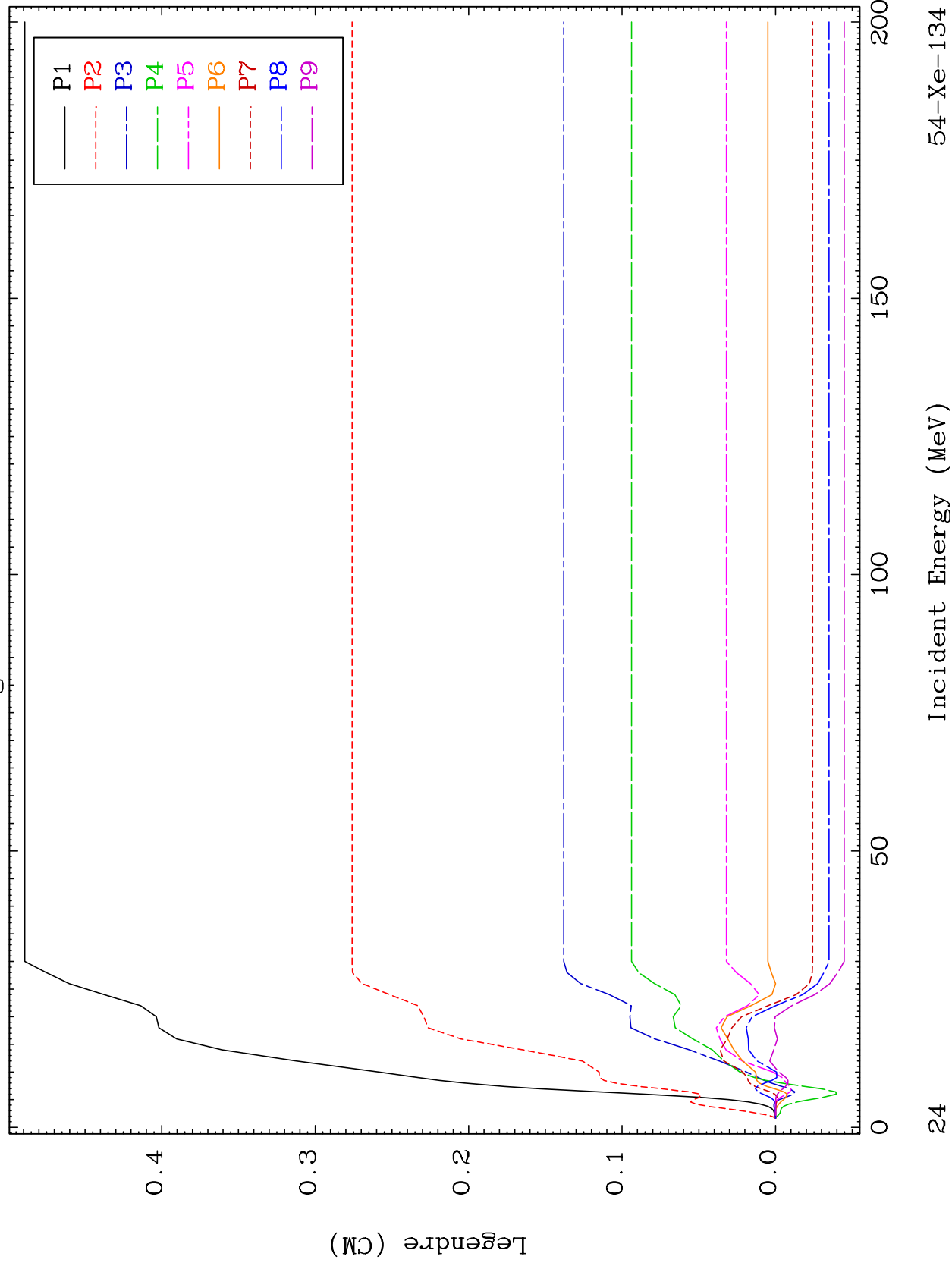
54-Xe-134



MAT 5455

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

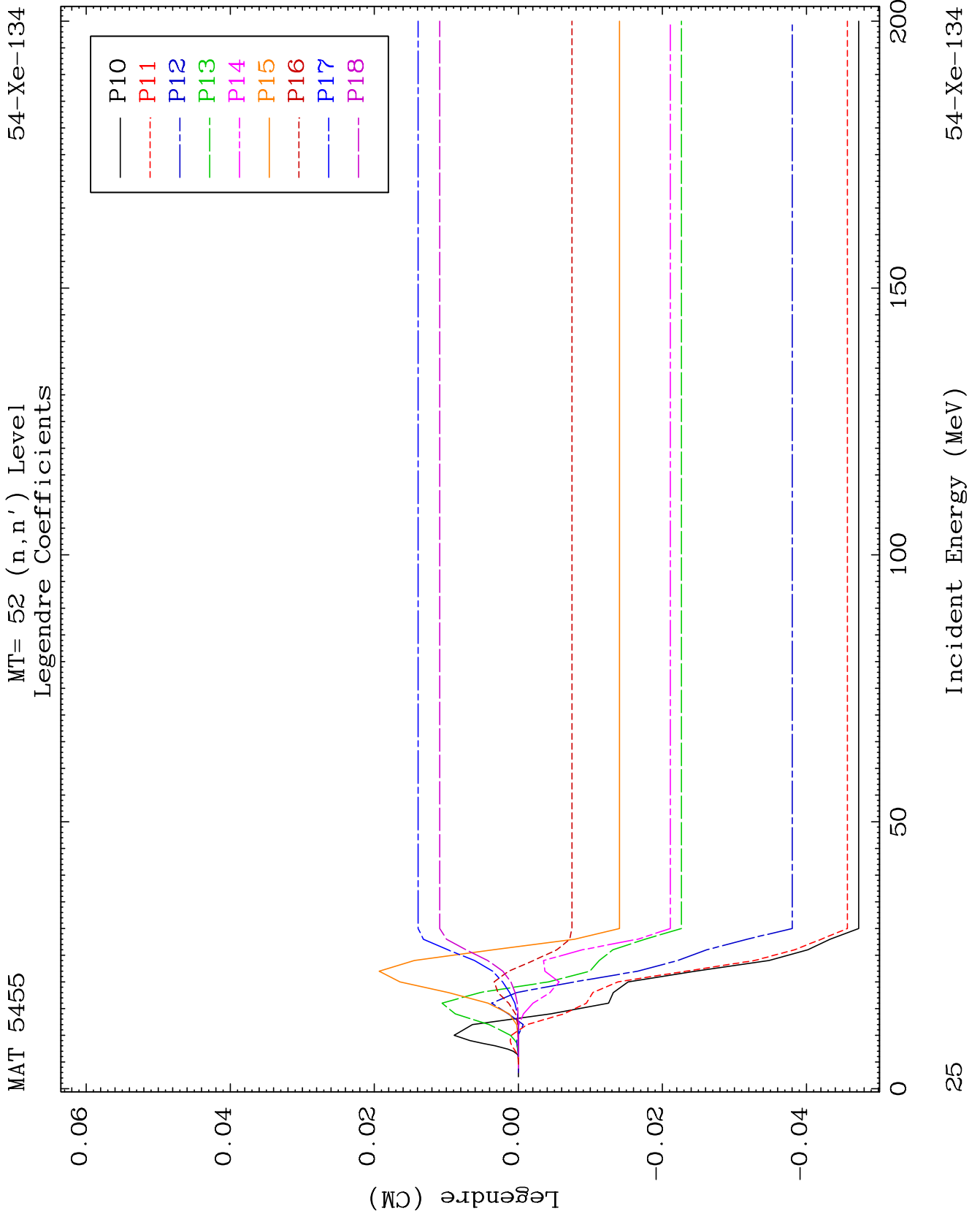
54-Xe-134



54-Xe-134

Incident Energy (MeV)

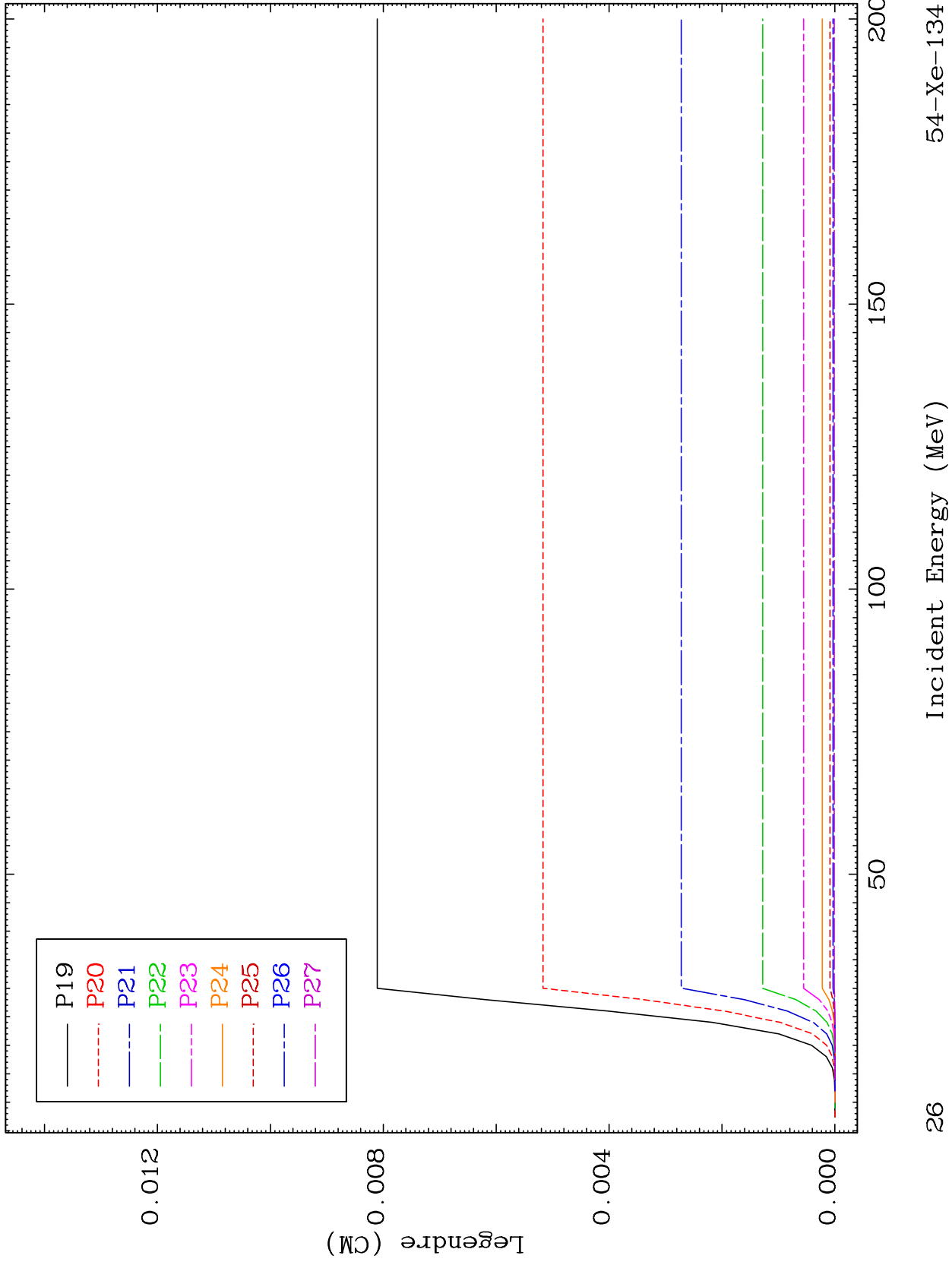
24



MAT 5455

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

54-Xe-134



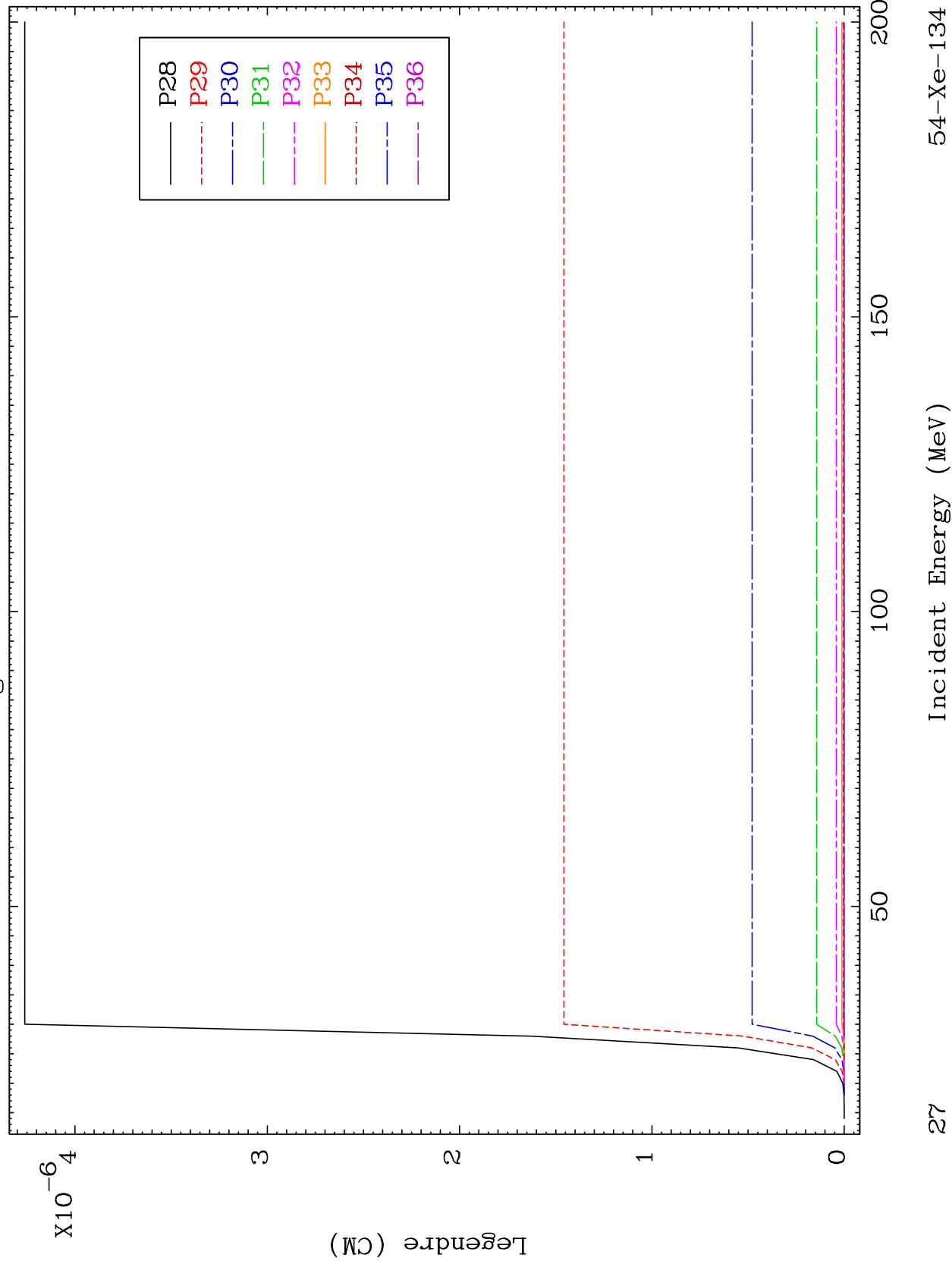
26

54-Xe-134

MAT 5455

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

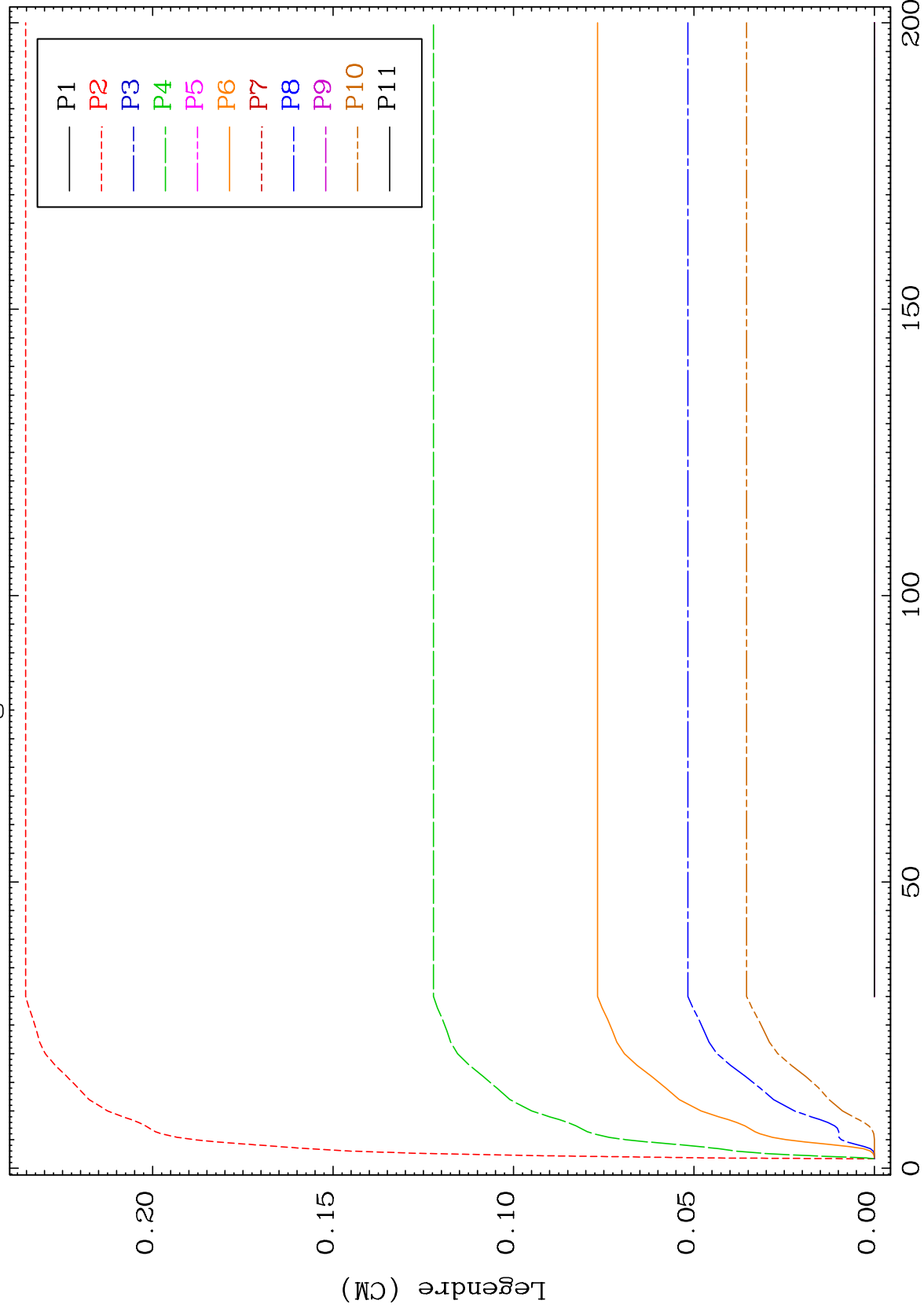
54-Xe-134



MAT 5455

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

54-Xe-134



28

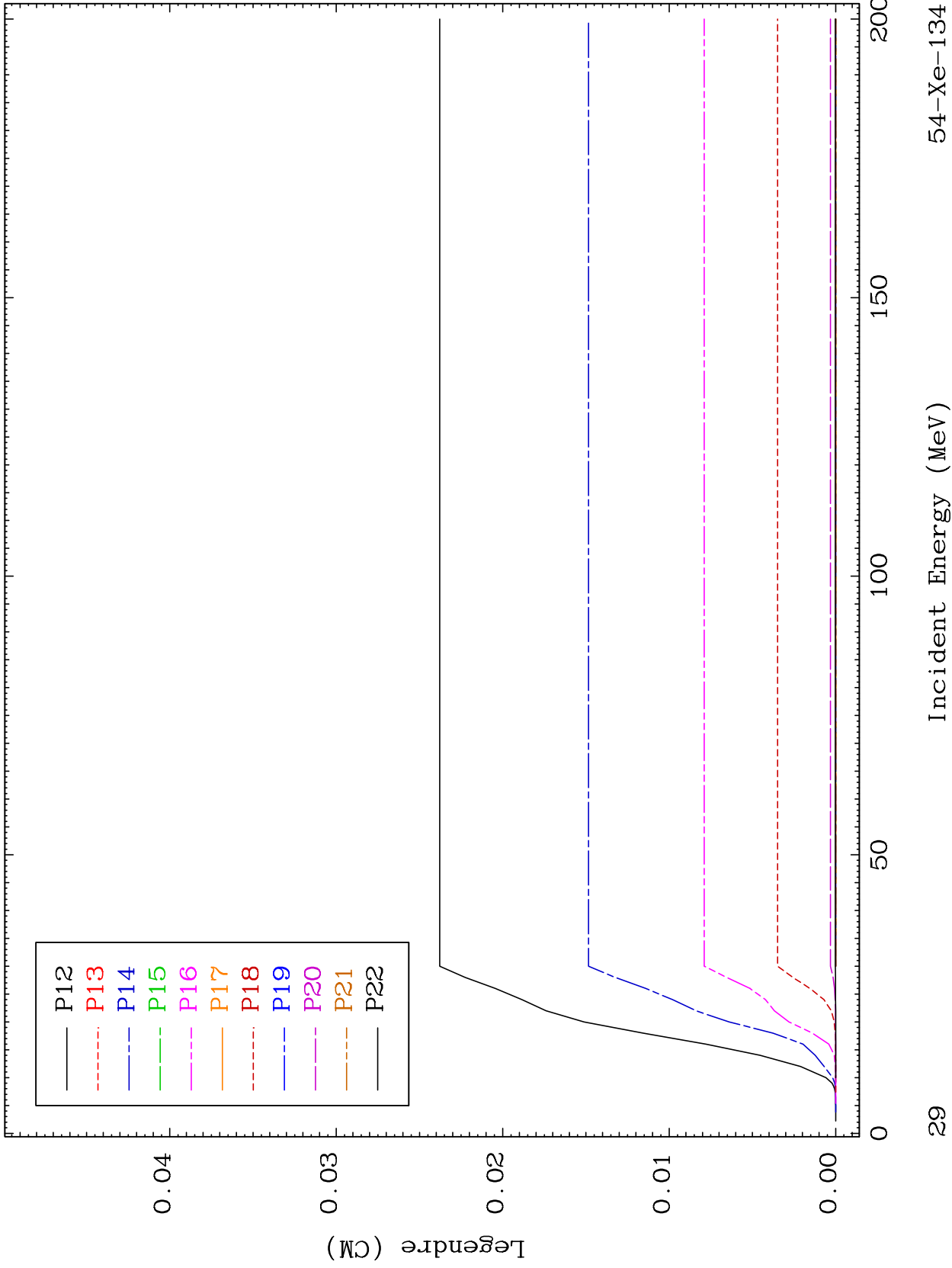
Incident Energy (MeV)

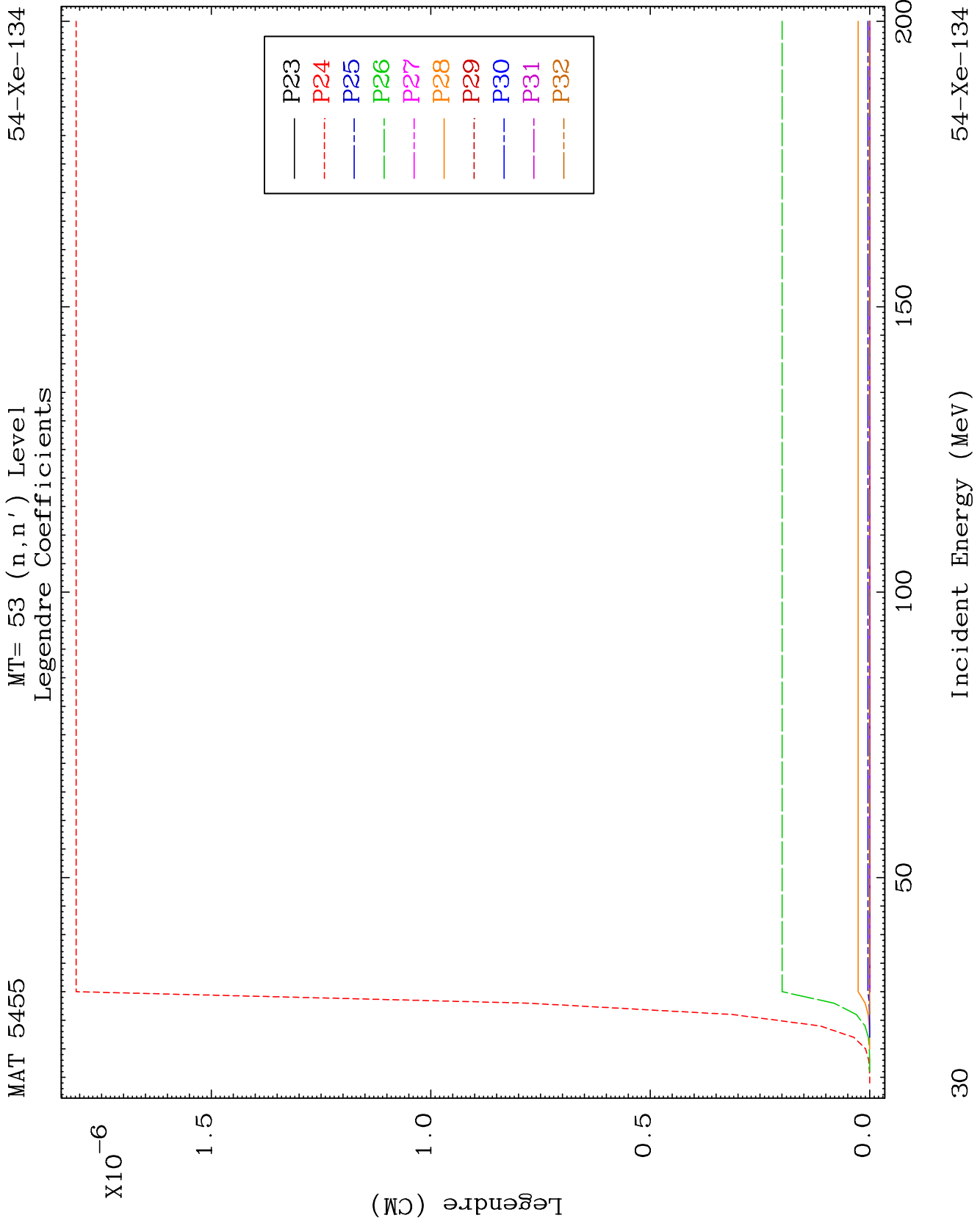
54-Xe-134

MAT 5455

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

54-Xe-134

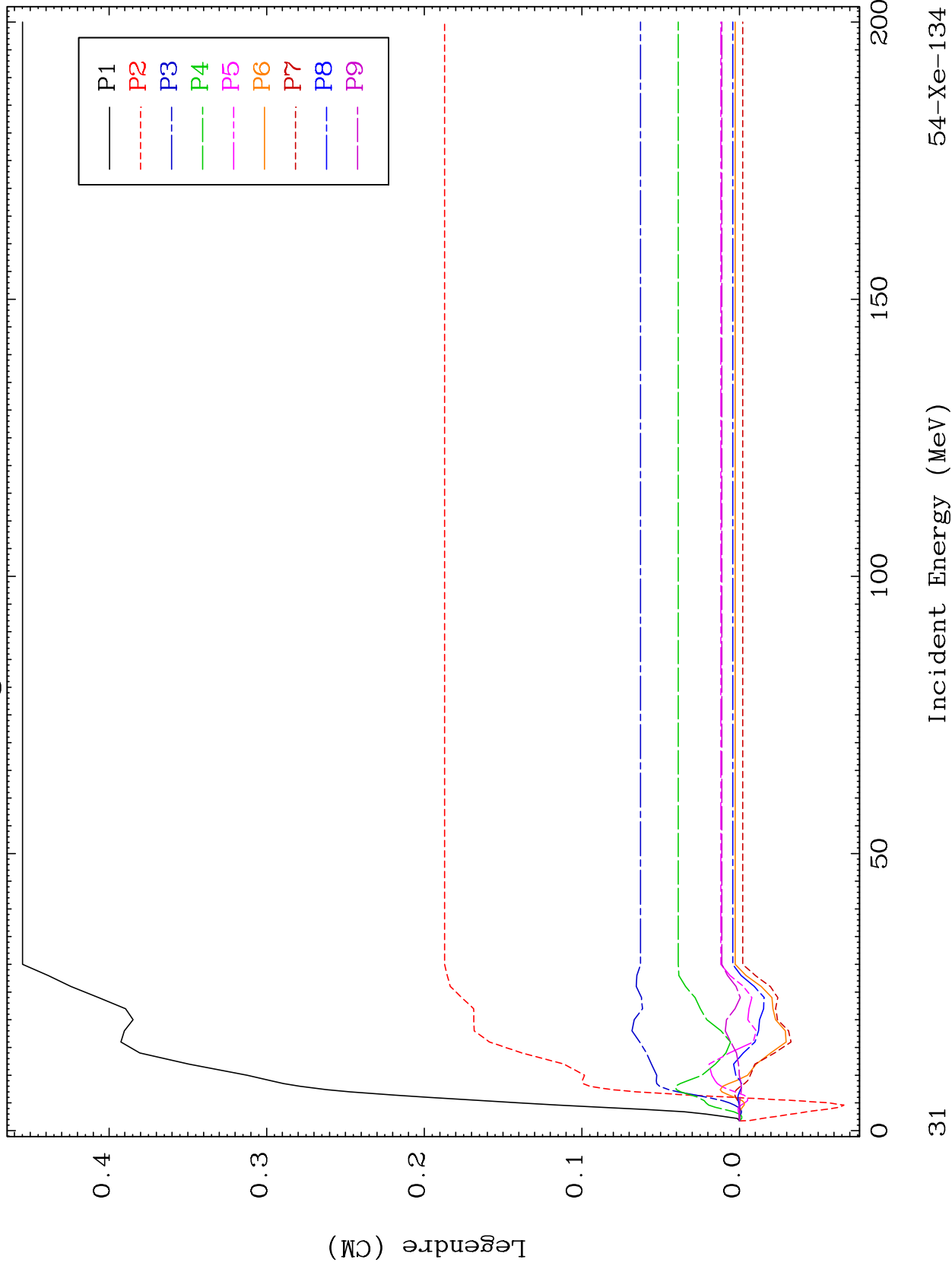




MAT 5455

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

54-Xe-134



54-Xe-134

Incident Energy (MeV)

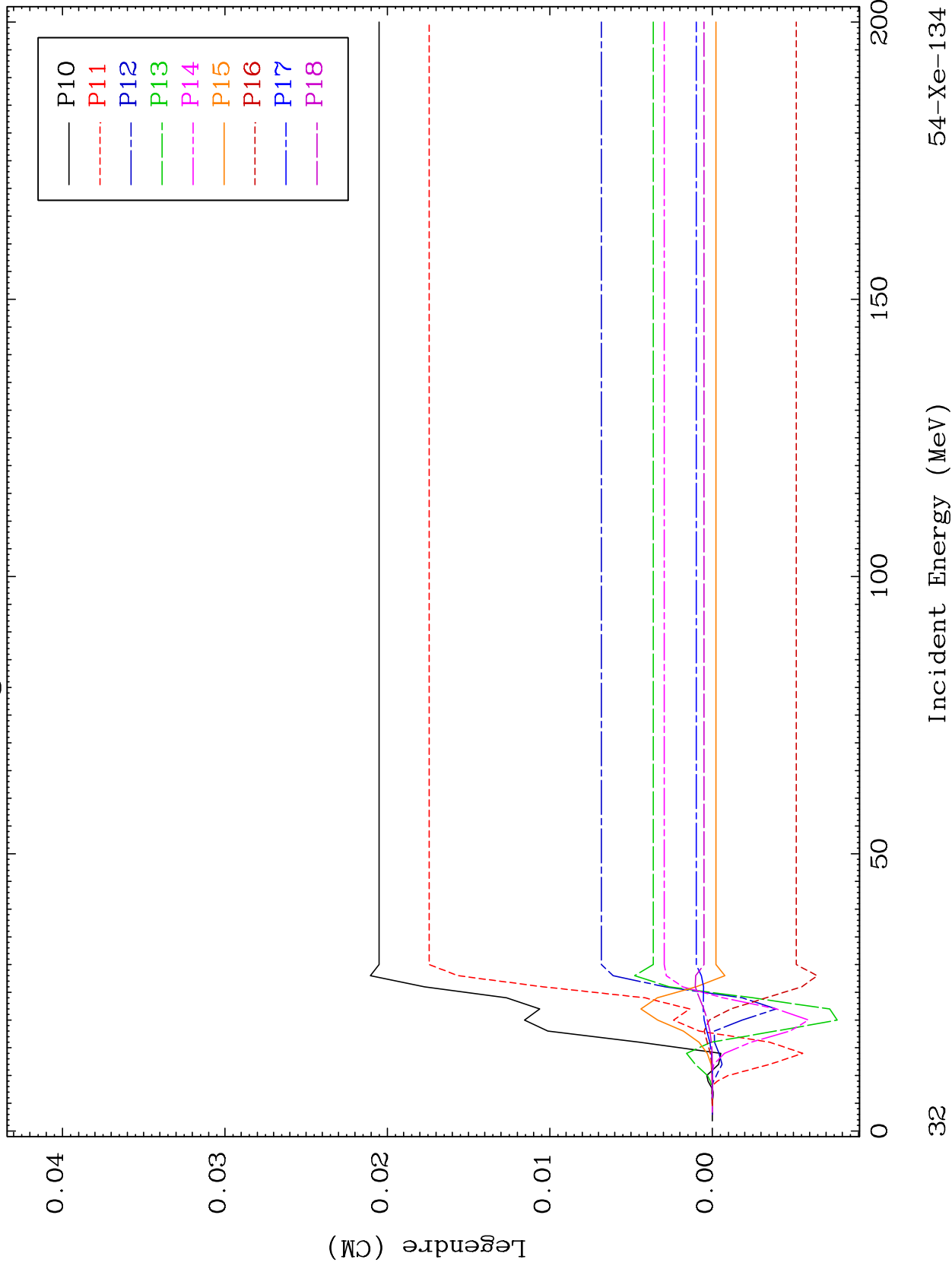
31



MAT 5455

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

54-Xe-134



54-Xe-134

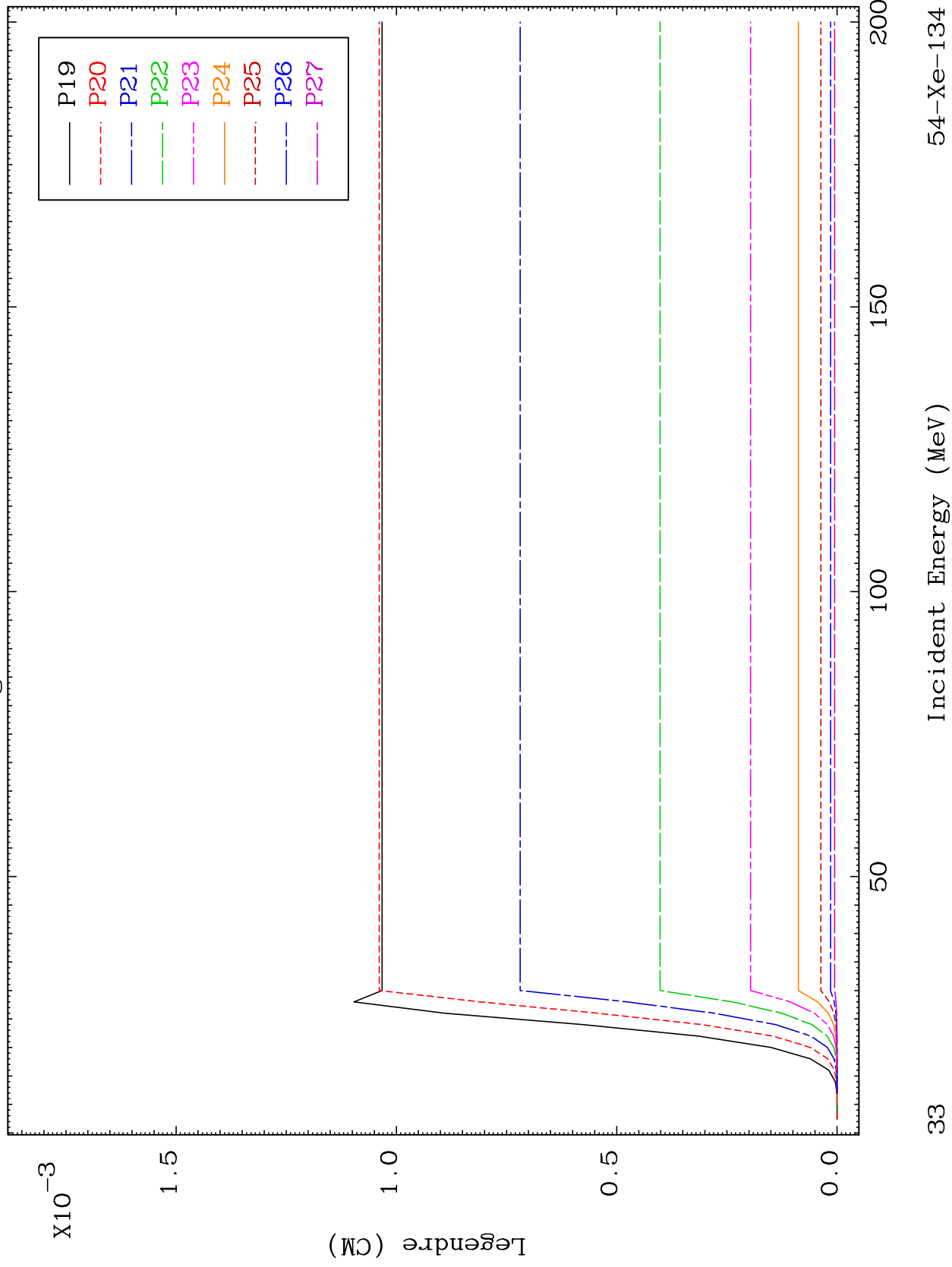
Incident Energy (MeV)

32

MAT 5455

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

54-Xe-134



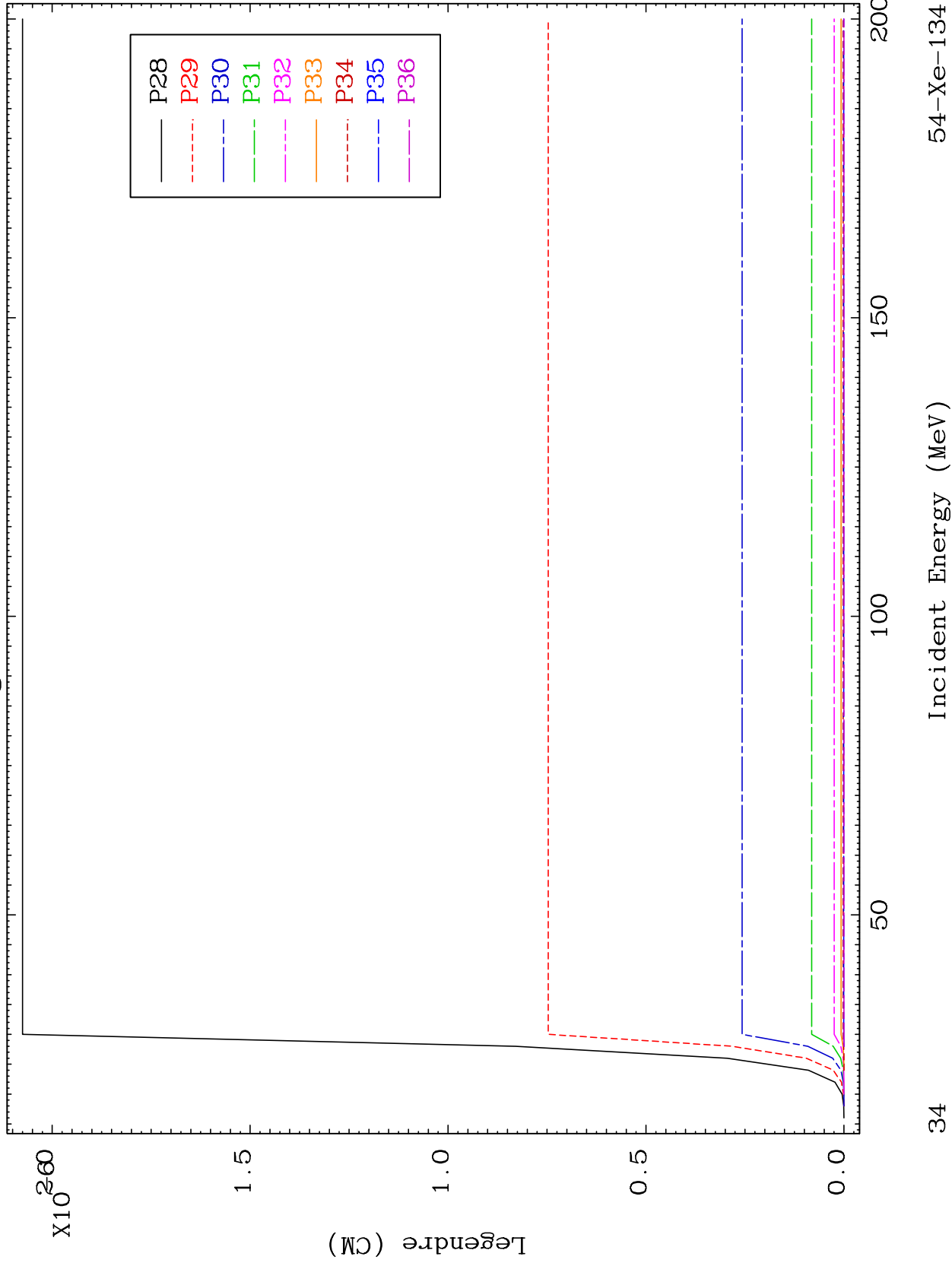
33

54-Xe-134

MAT 5455

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

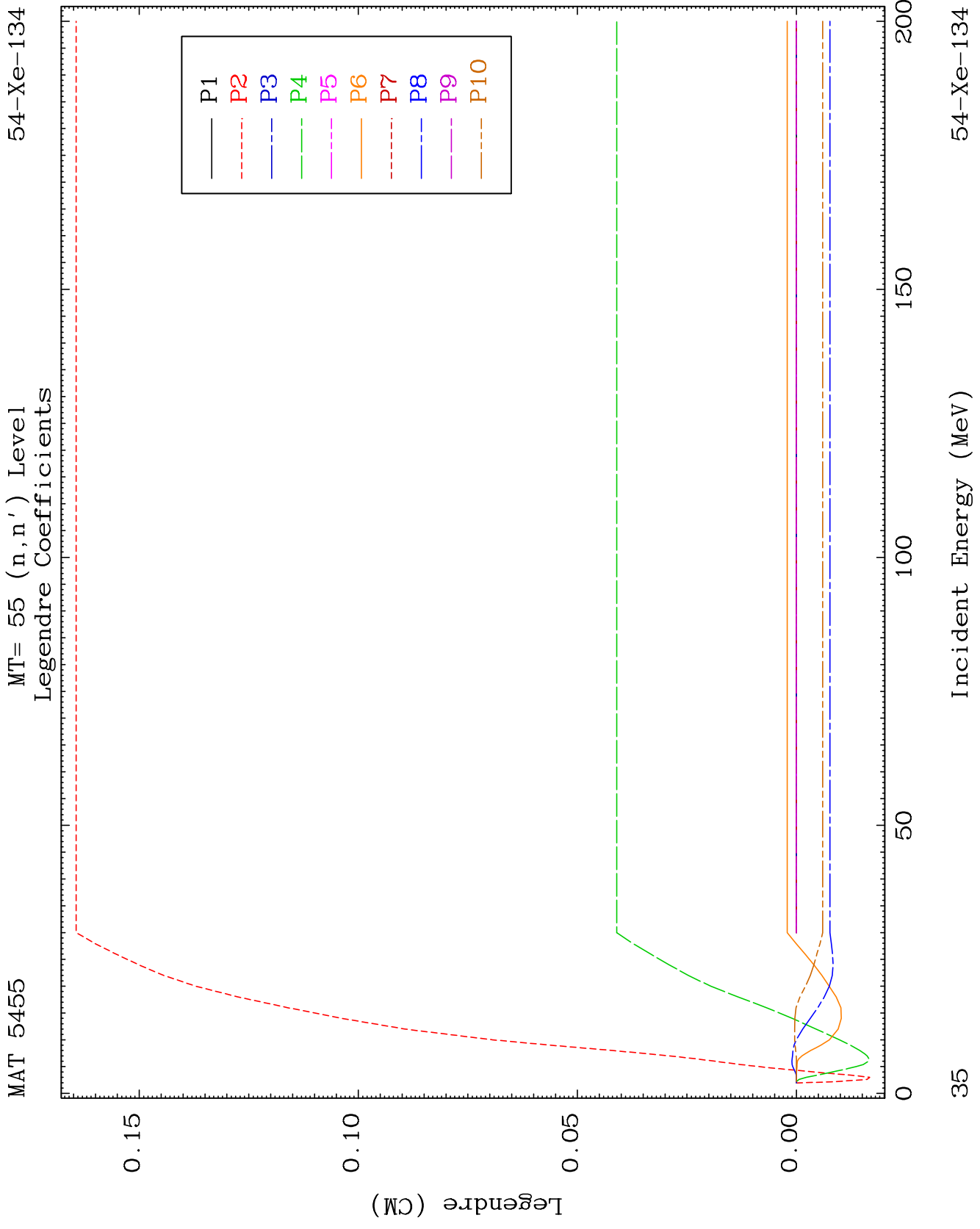
54-Xe-134



34

Incident Energy (MeV)

54-Xe-134

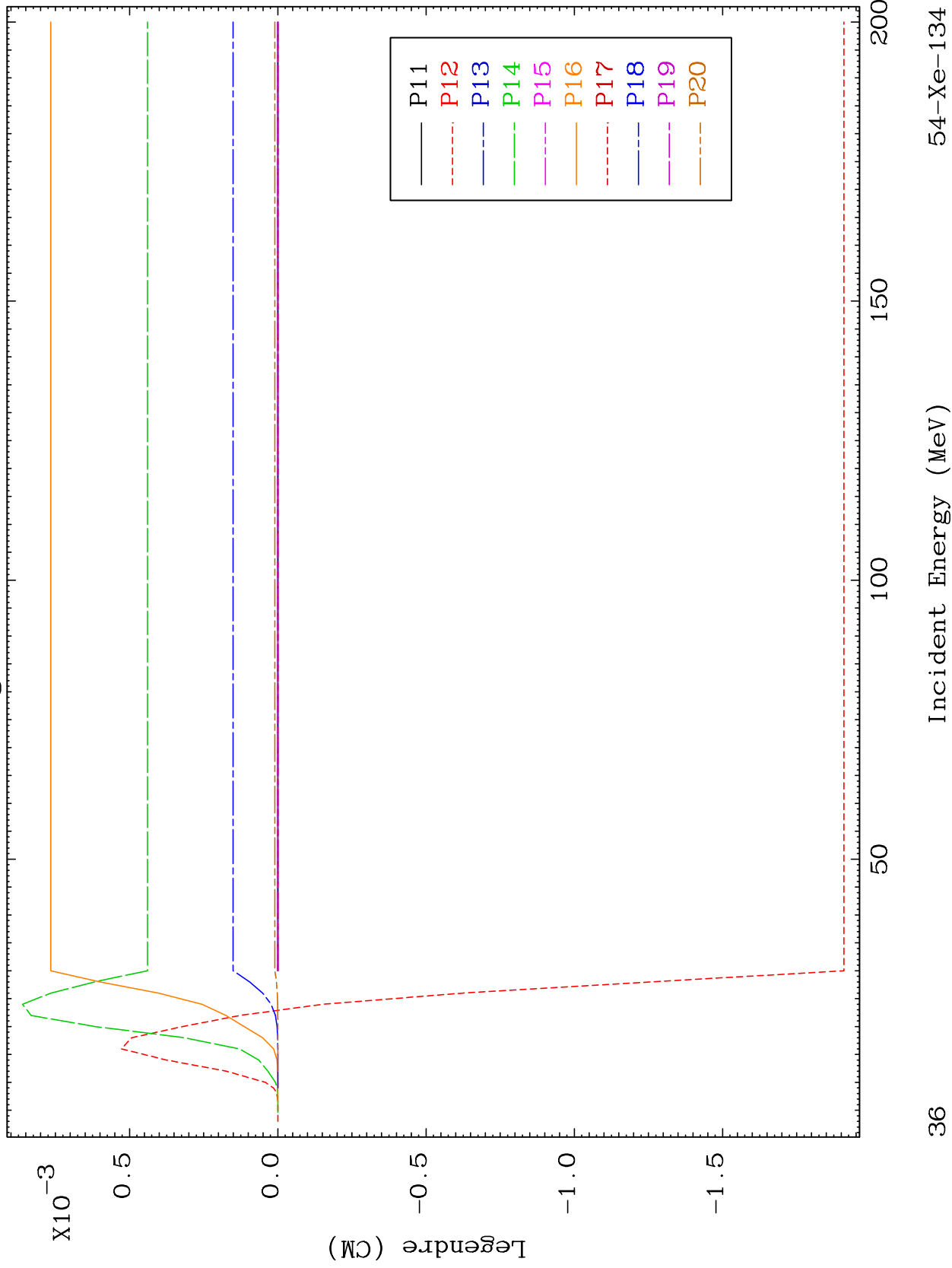


MAT 5455

MT= 55 (n,n') Level

54-Xe-134

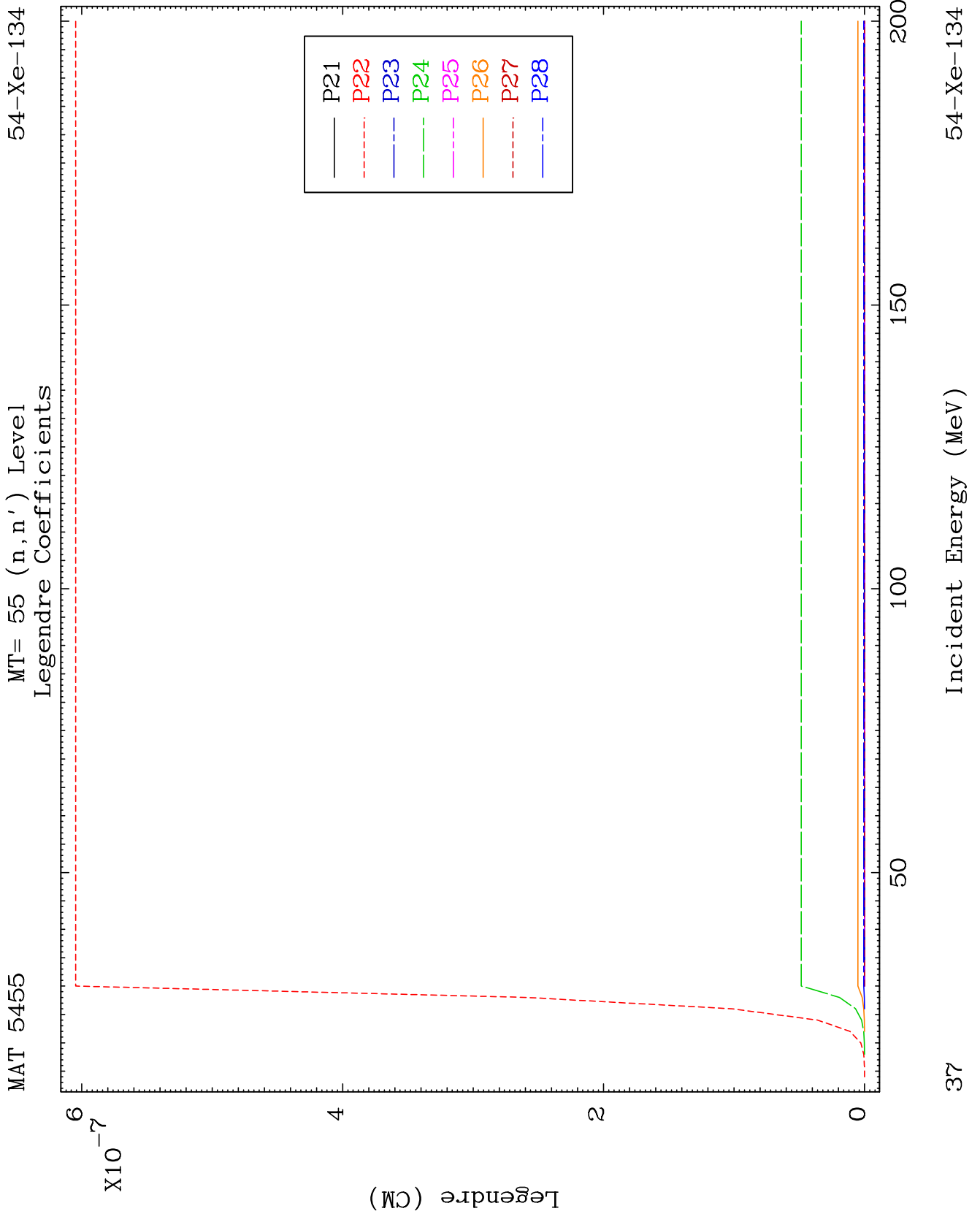
Legendre Coefficients



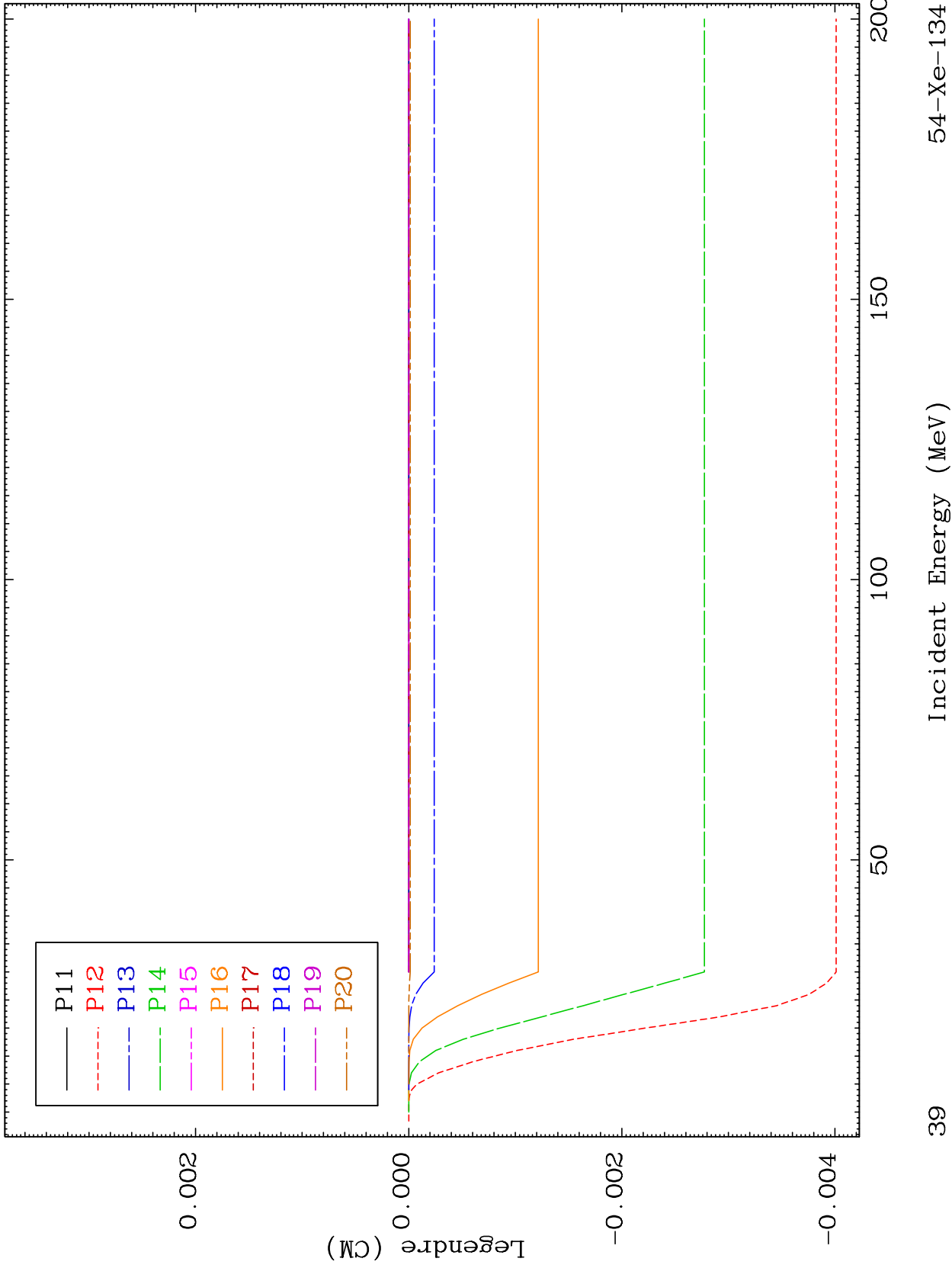
36

Incident Energy (MeV)

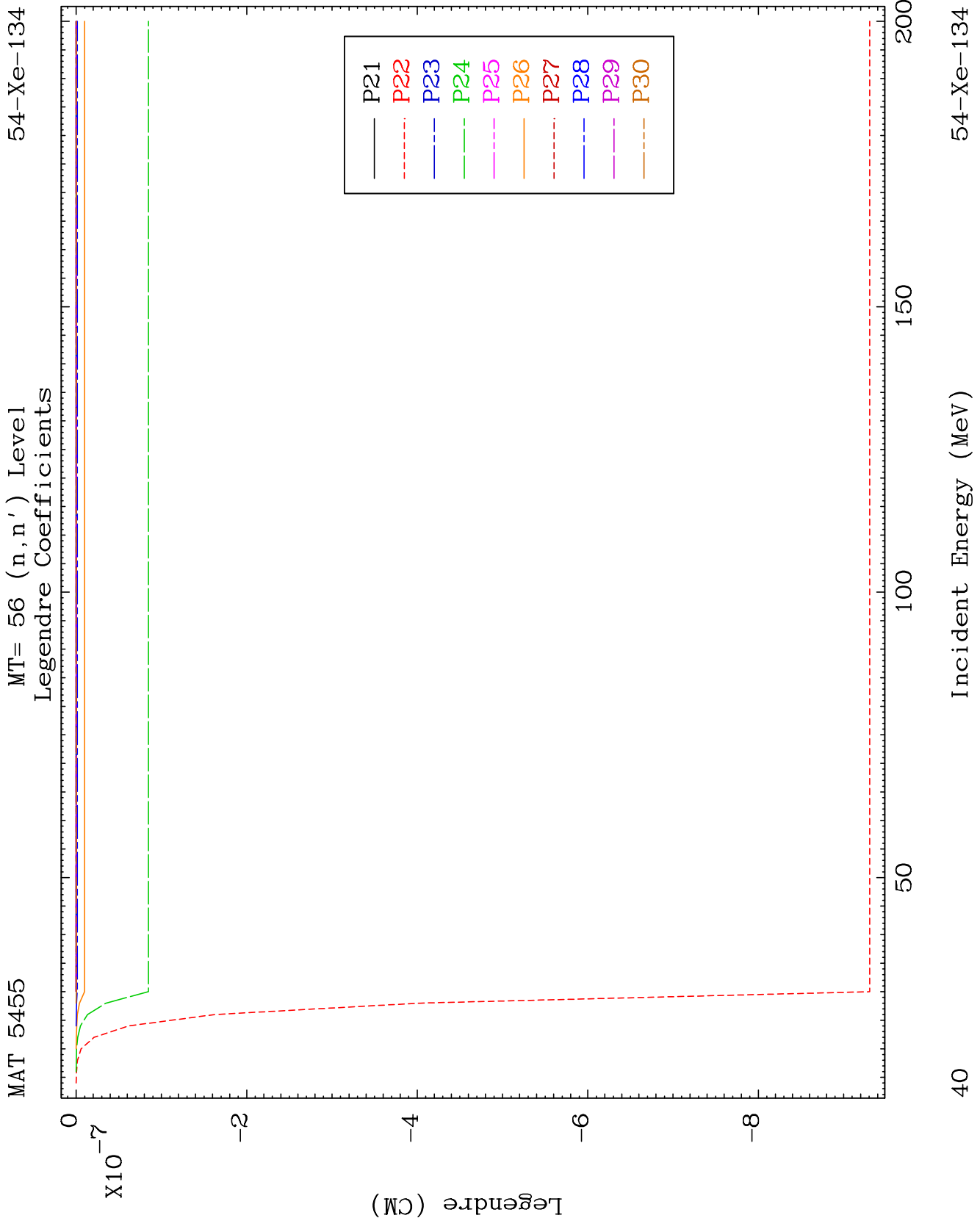
54-Xe-134







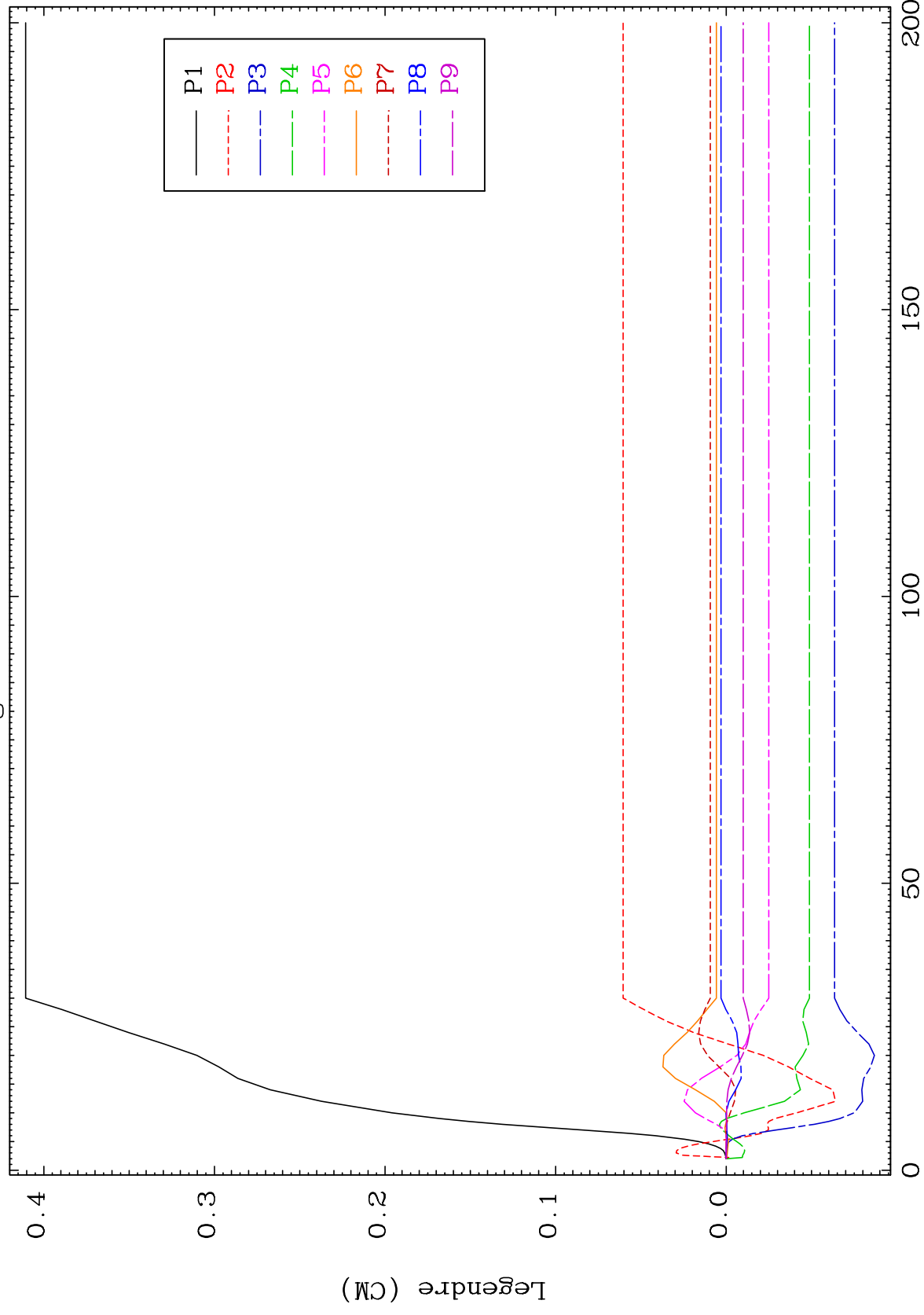




MAT 5455

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

54-Xe-134



41

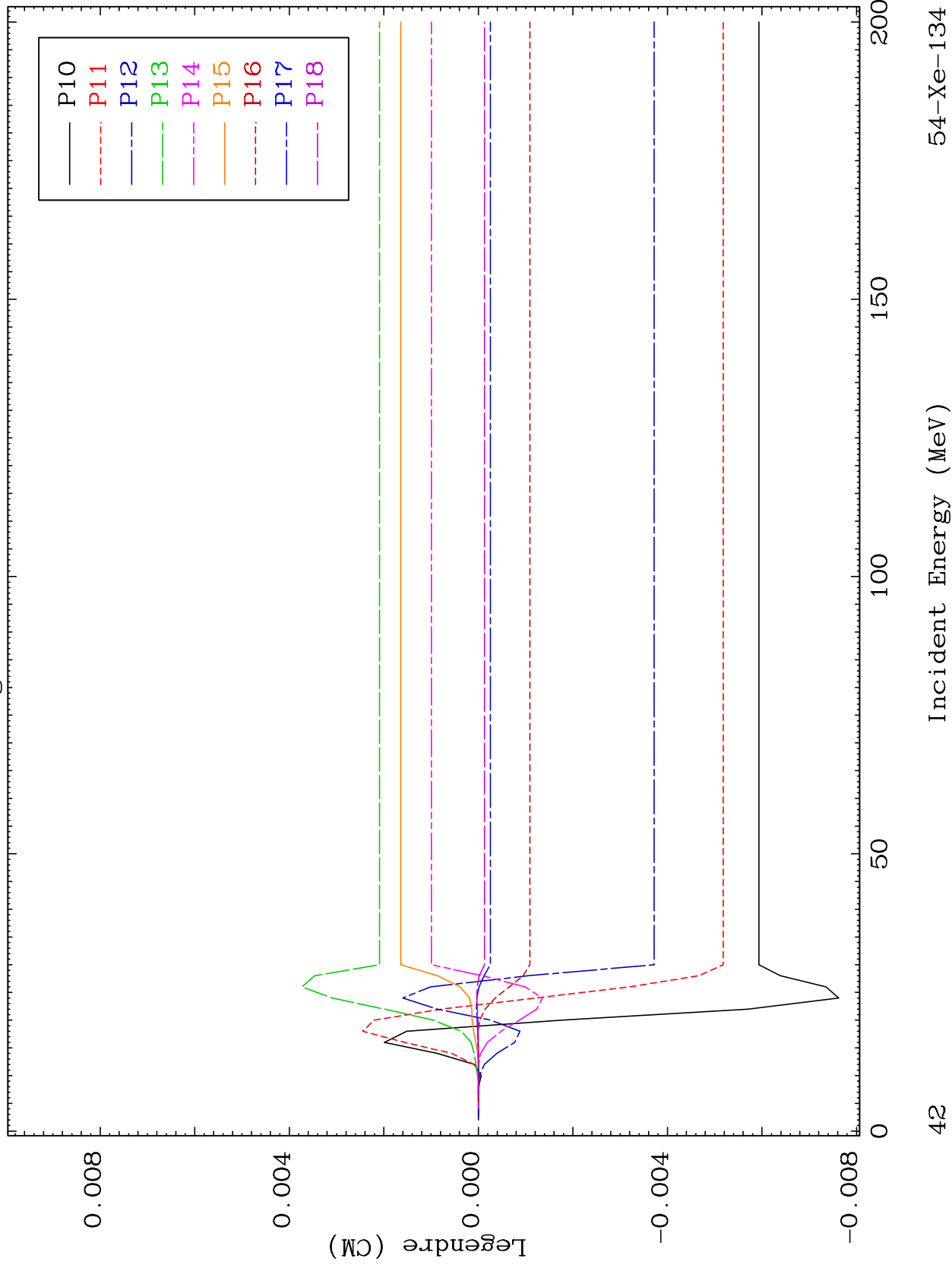
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



54-Xe-134

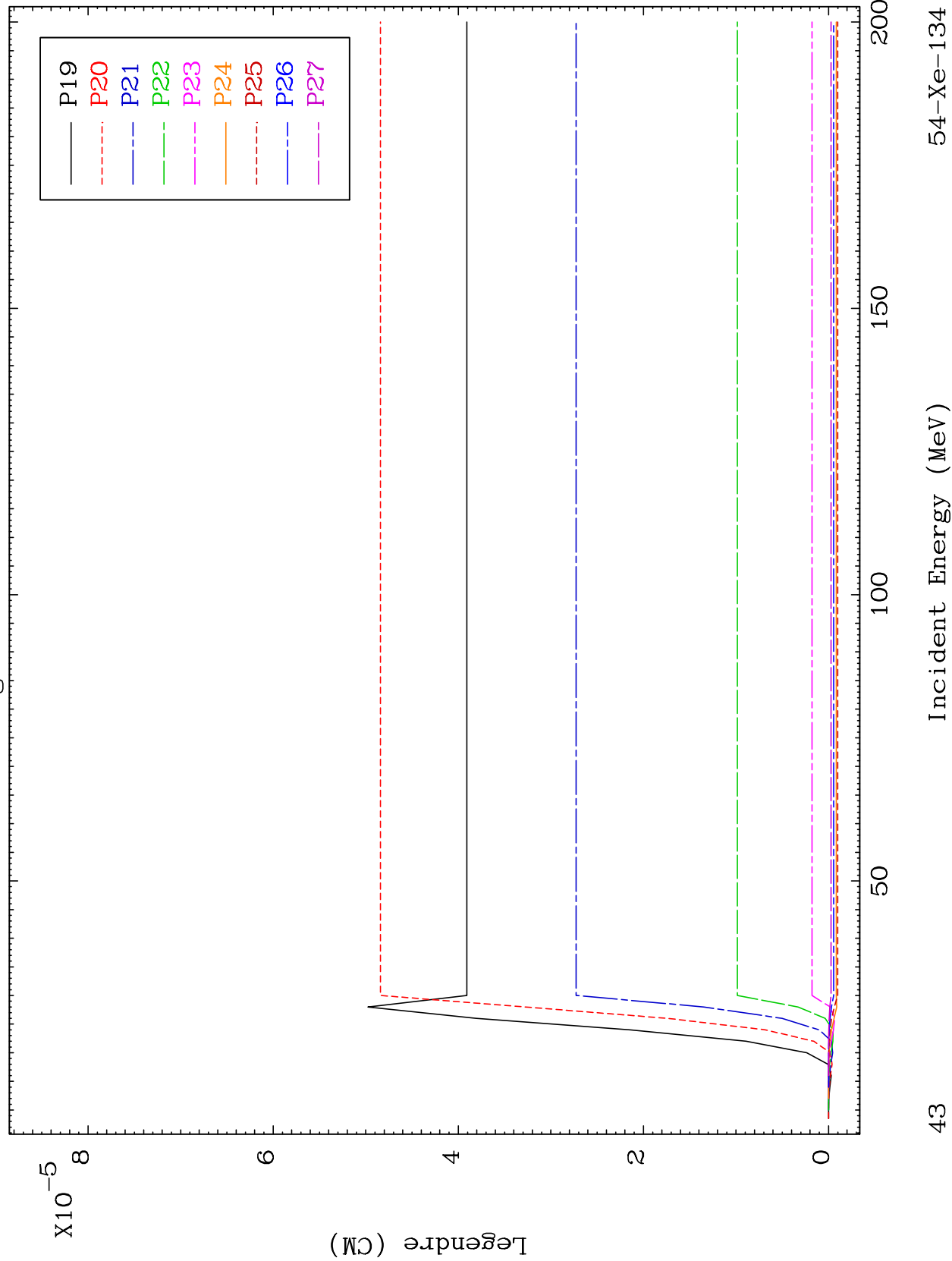
Incident Energy (MeV)

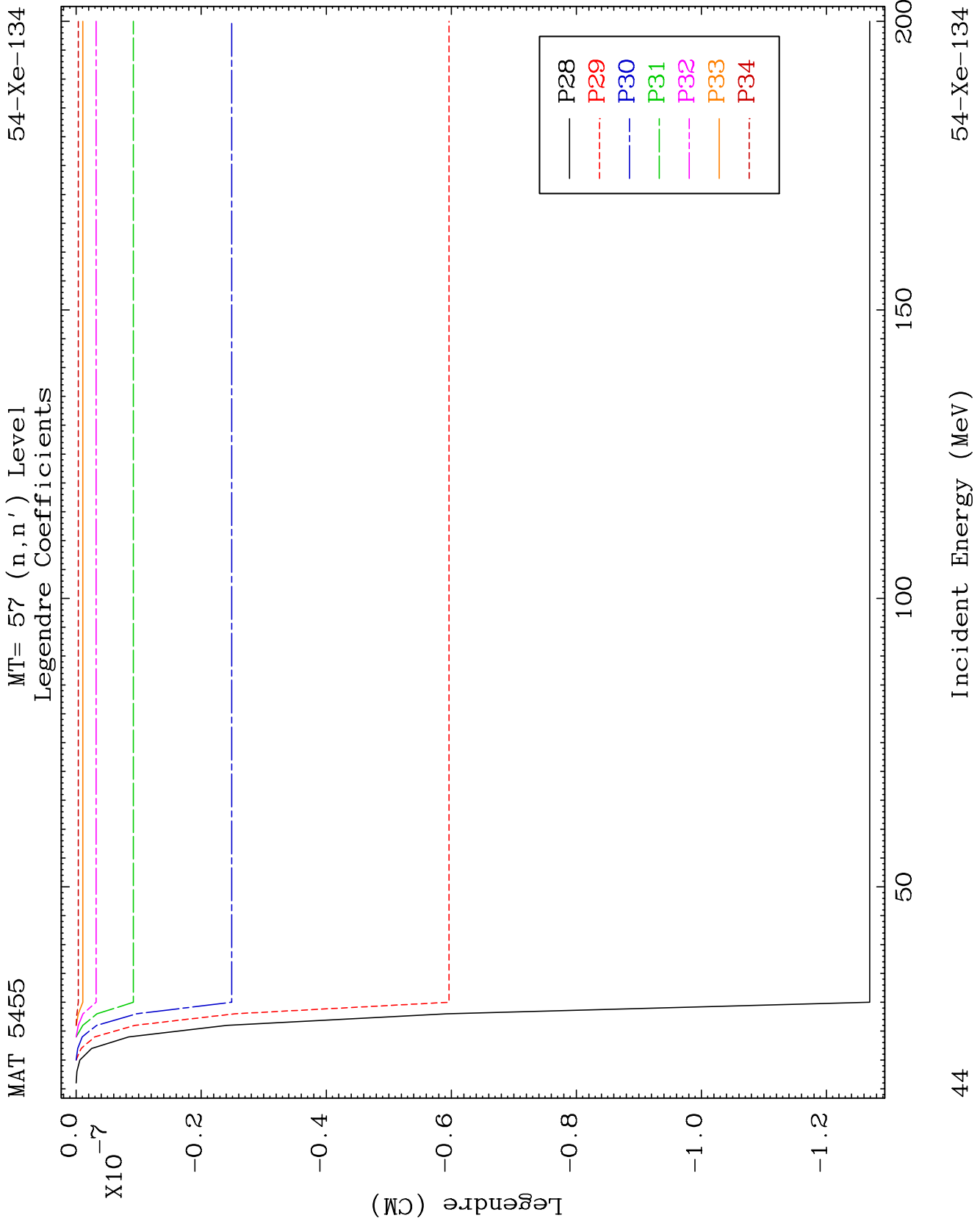
42

MAT 5455

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

54-Xe-134

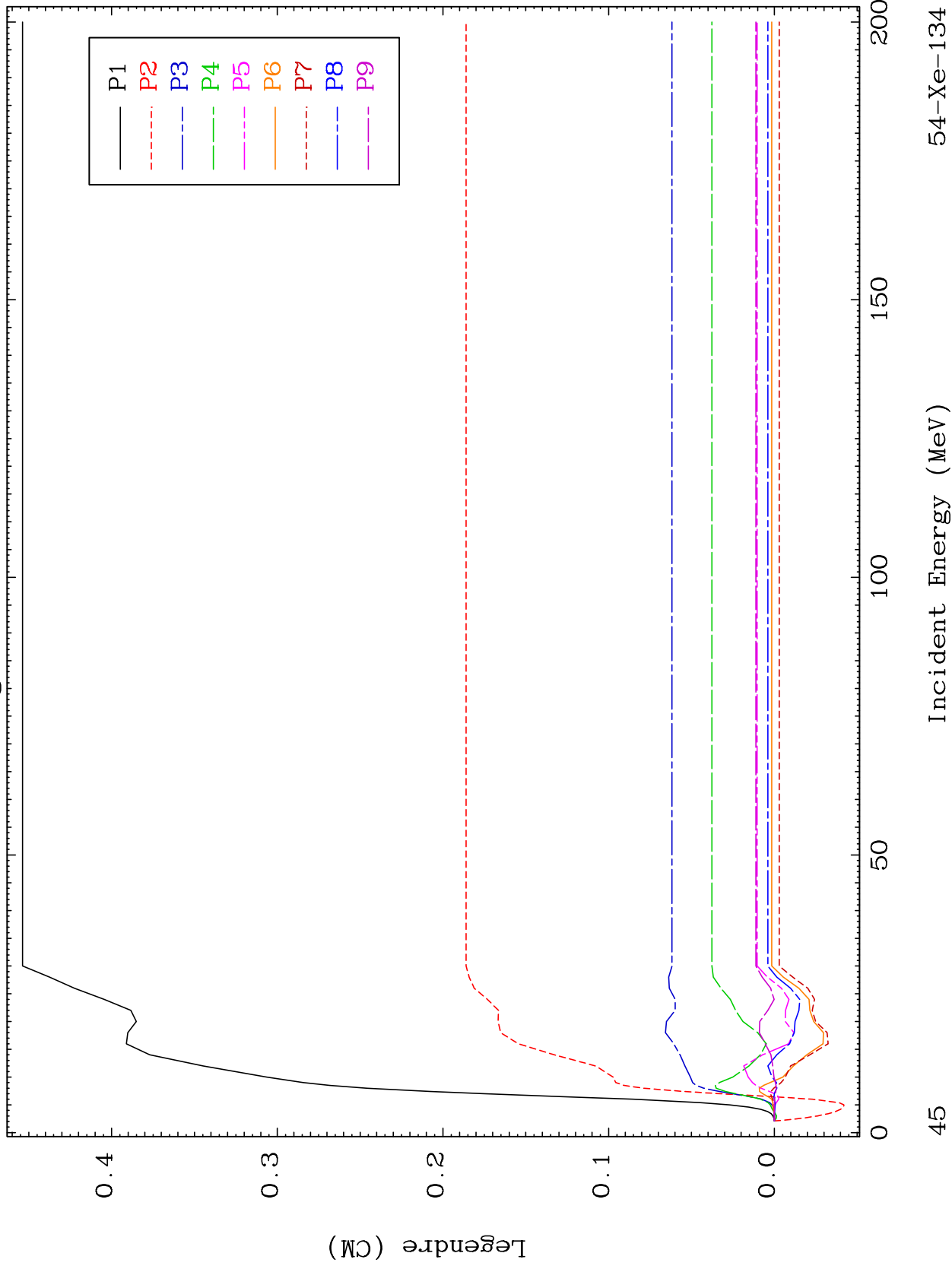




MAT 5455

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

54-Xe-134



54-Xe-134

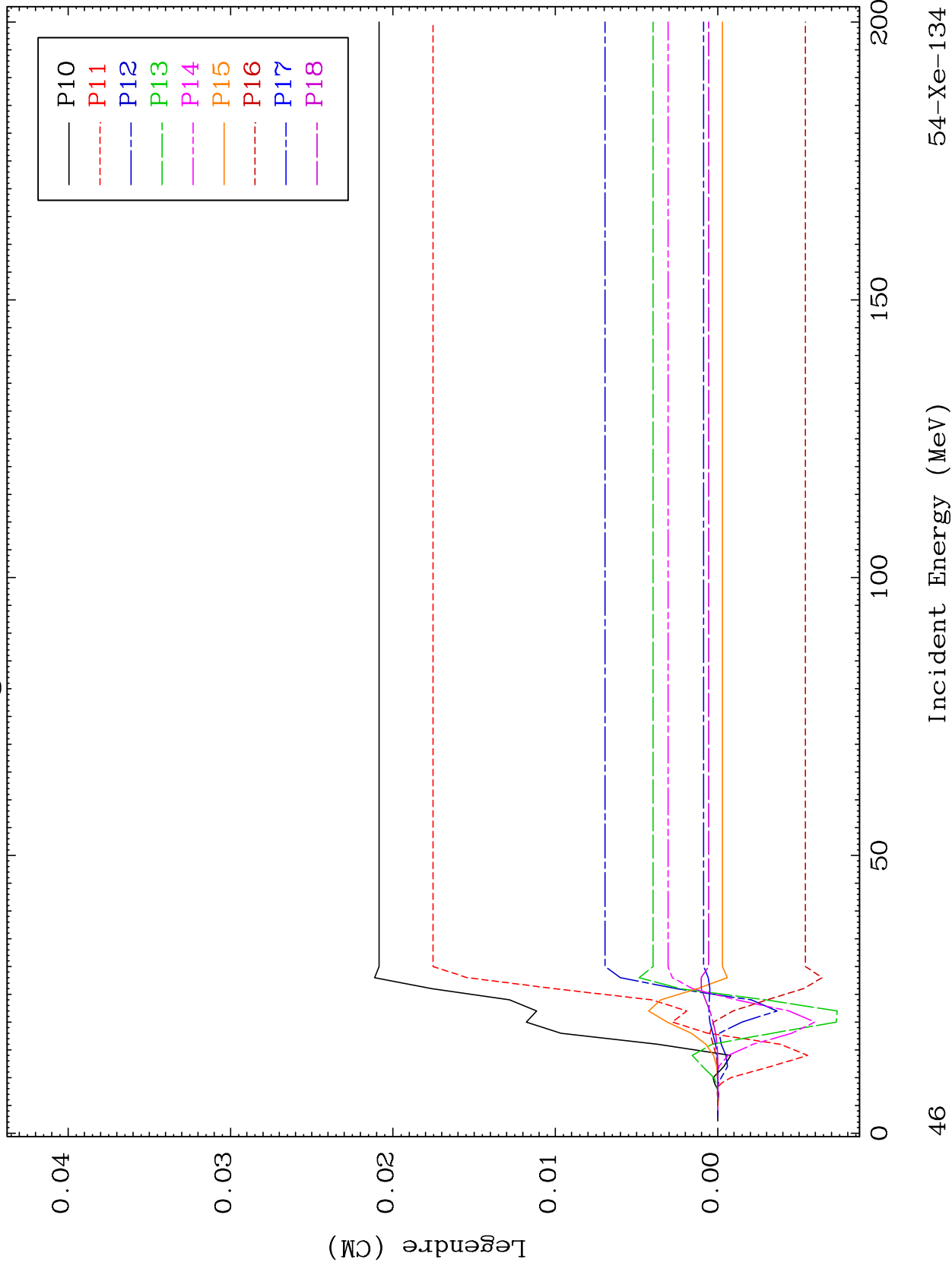
Incident Energy (MeV)

45

MAT 5455

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

54-Xe-134



54-Xe-134

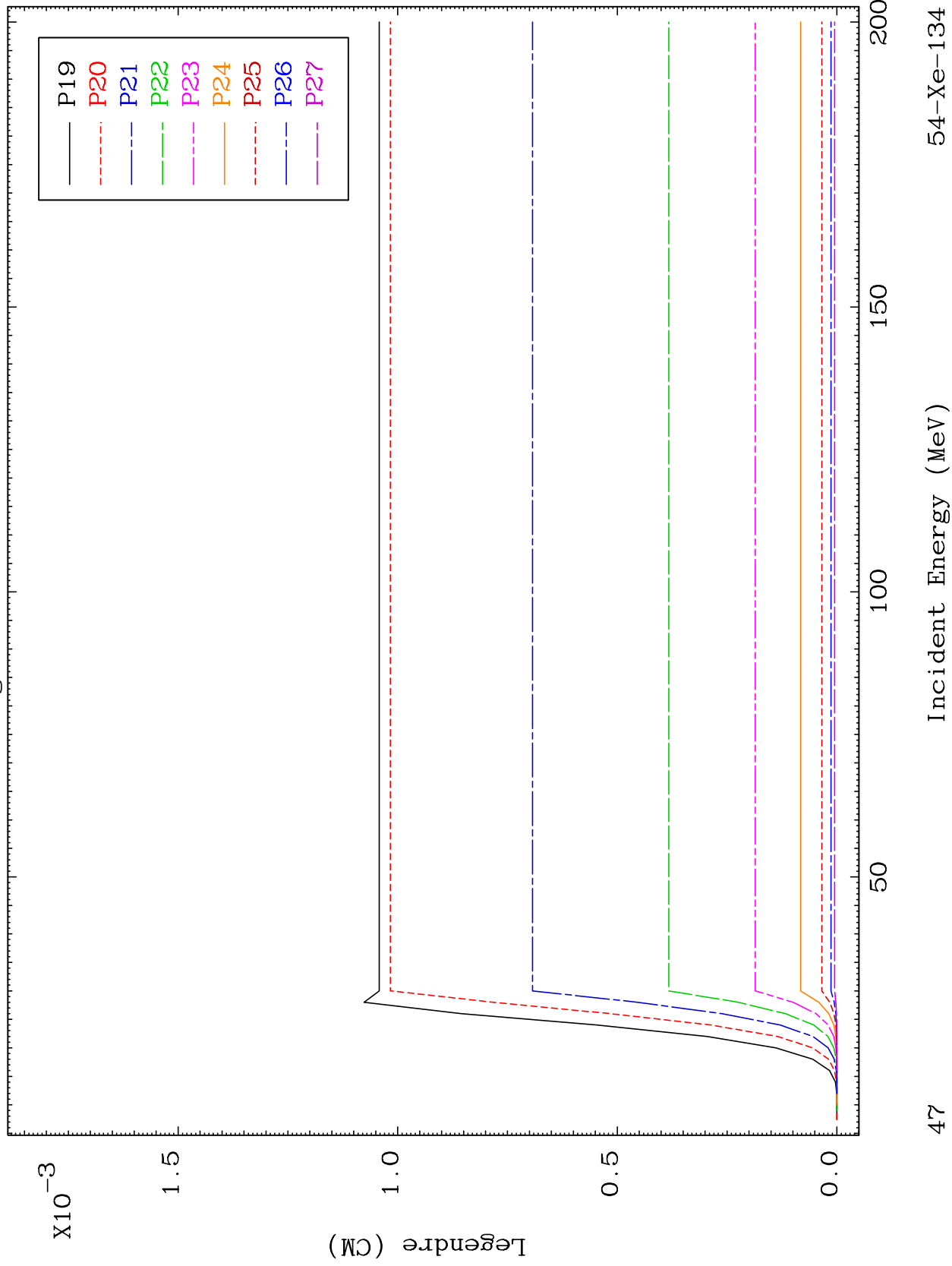
Incident Energy (MeV)

46

MAT 5455

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

54-Xe-134

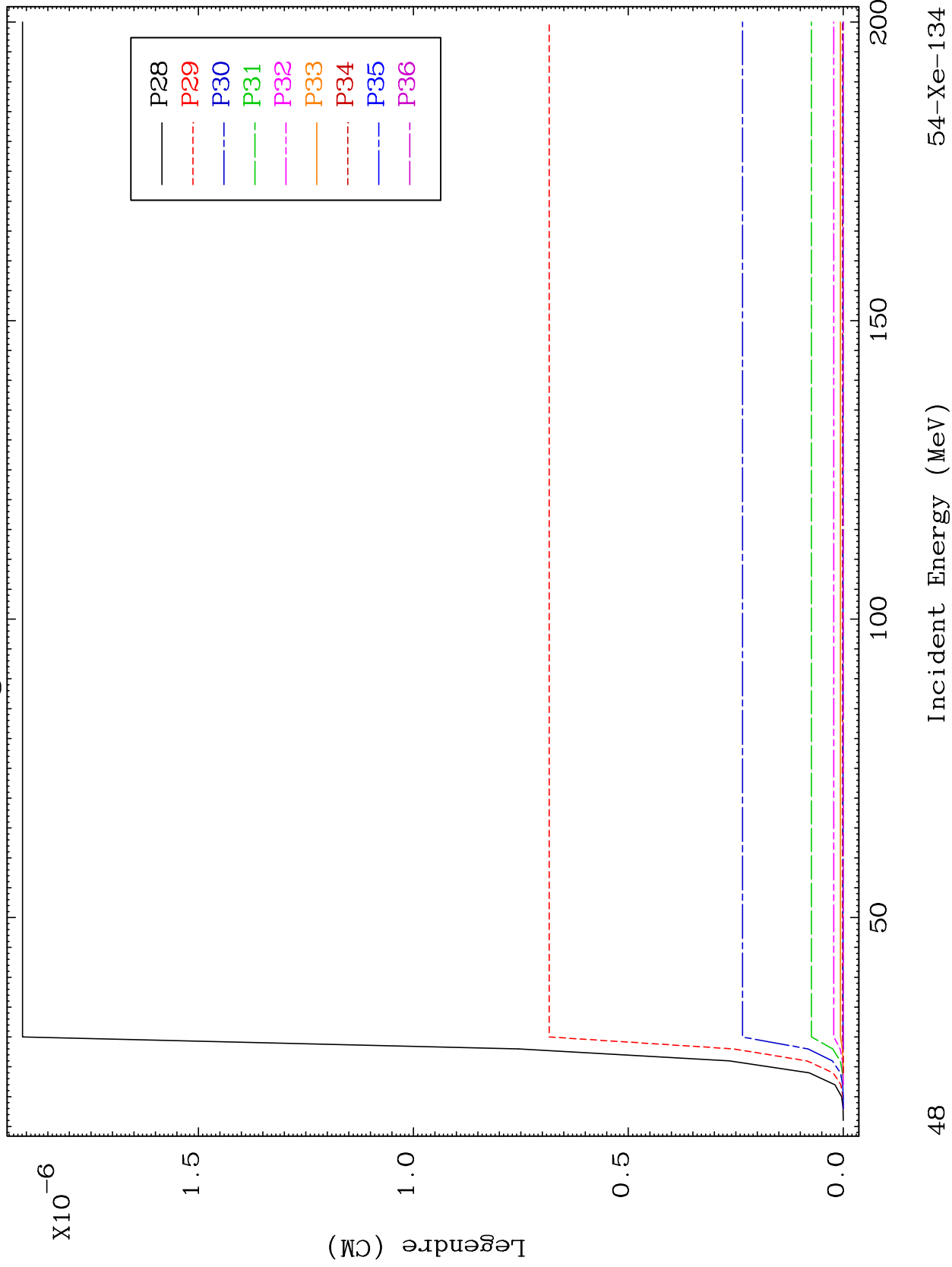




MAT 5455

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

54-Xe-134



48

Incident Energy (MeV)

54-Xe-134

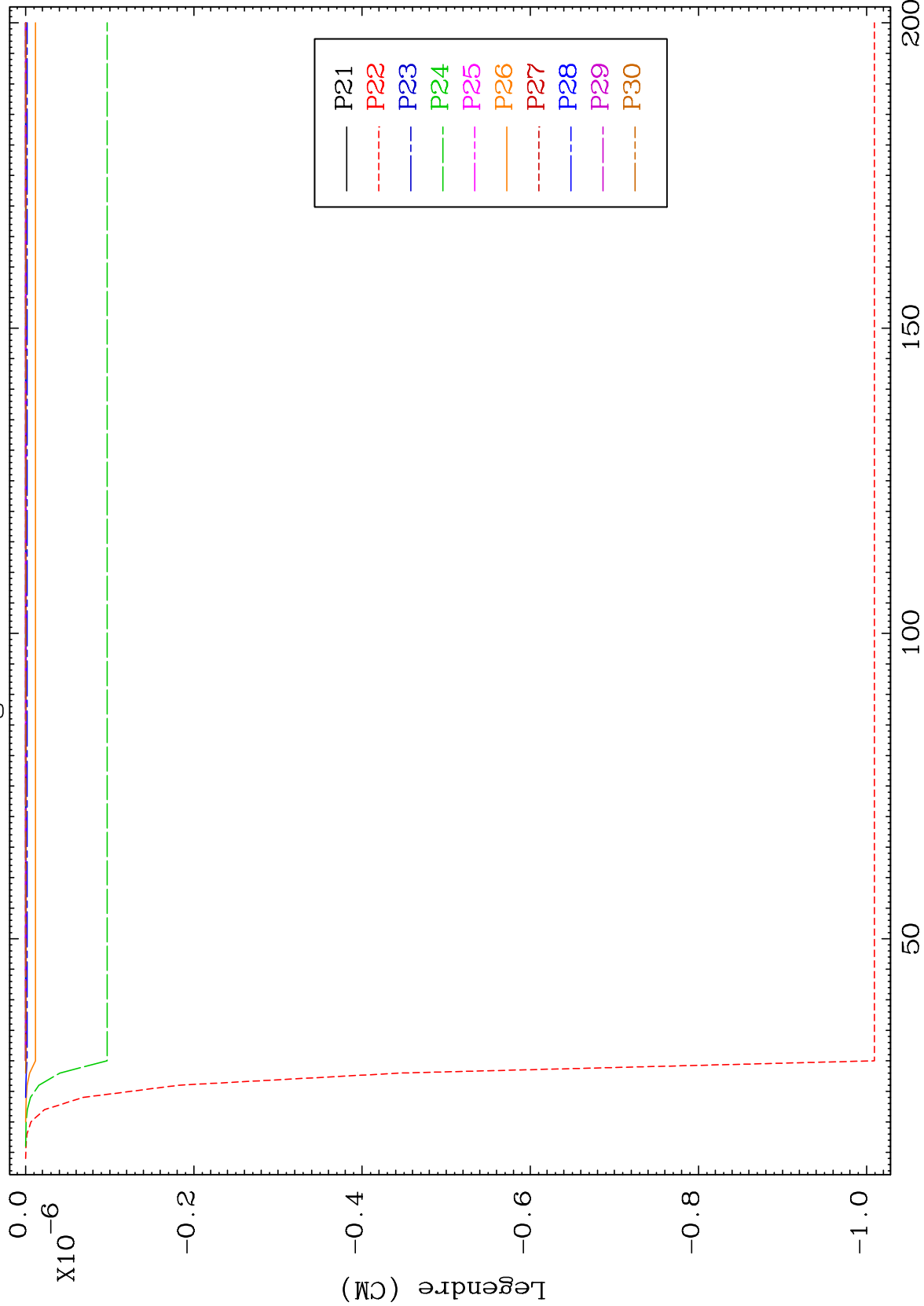




MAT 5455

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

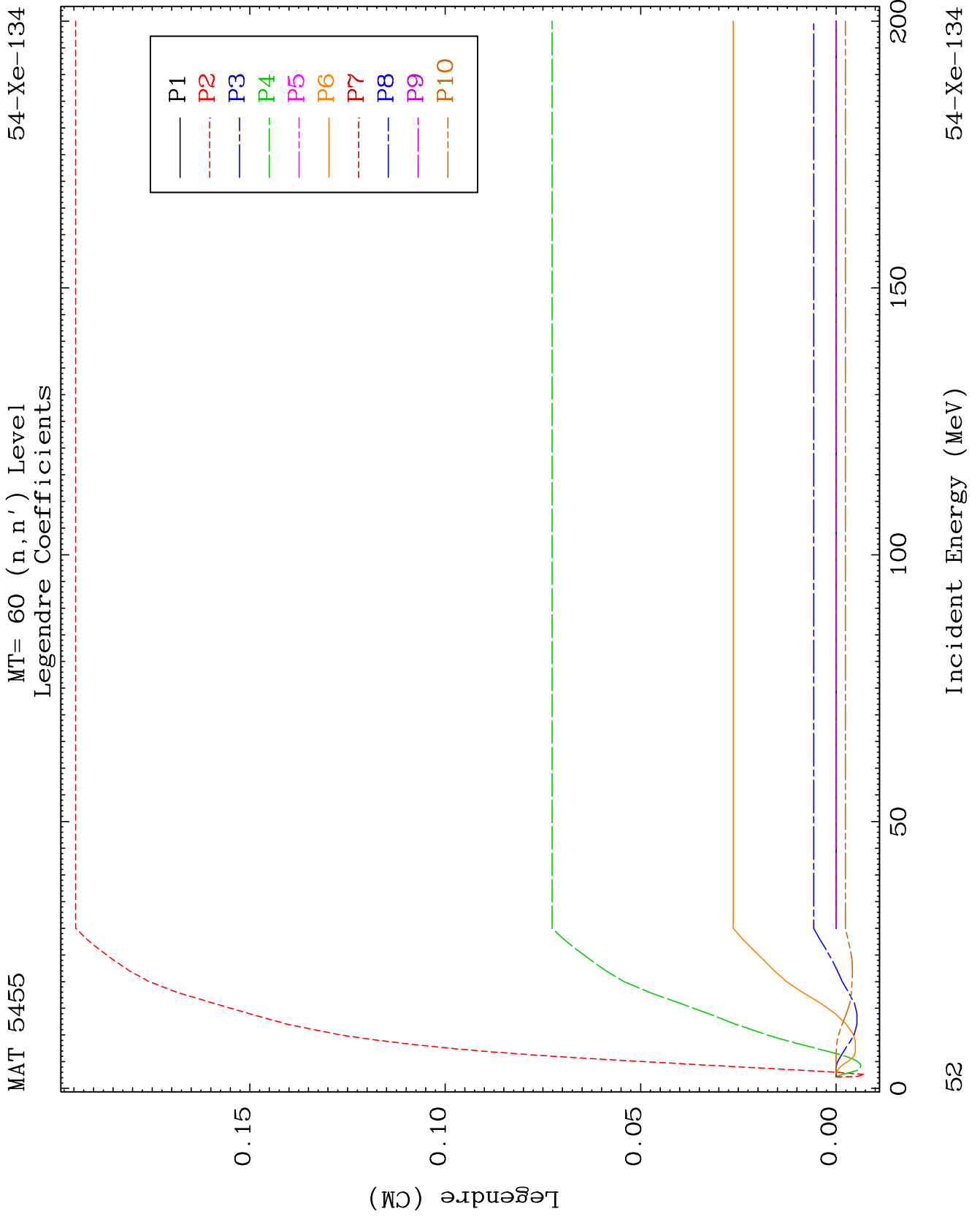
54-Xe-134

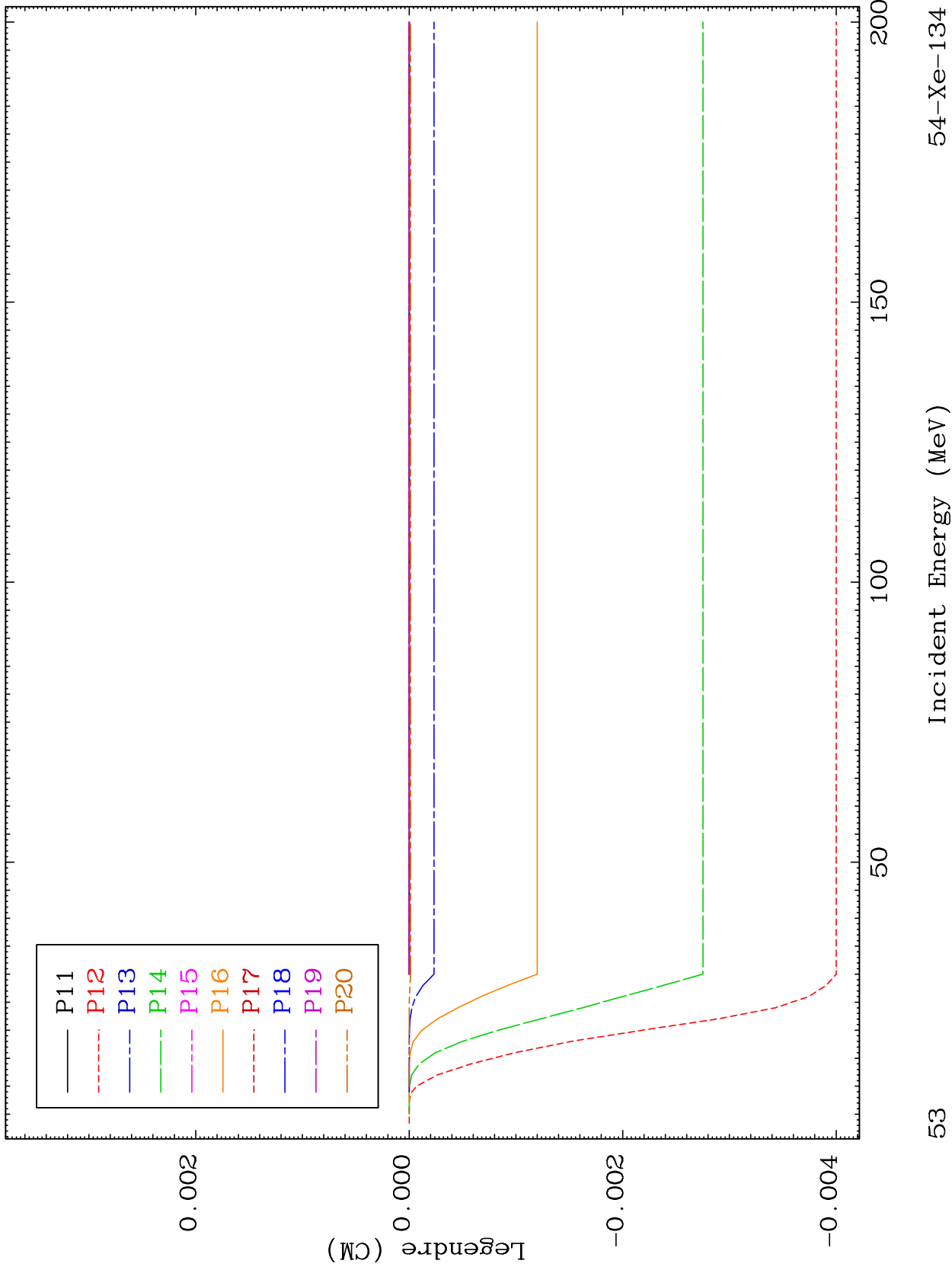


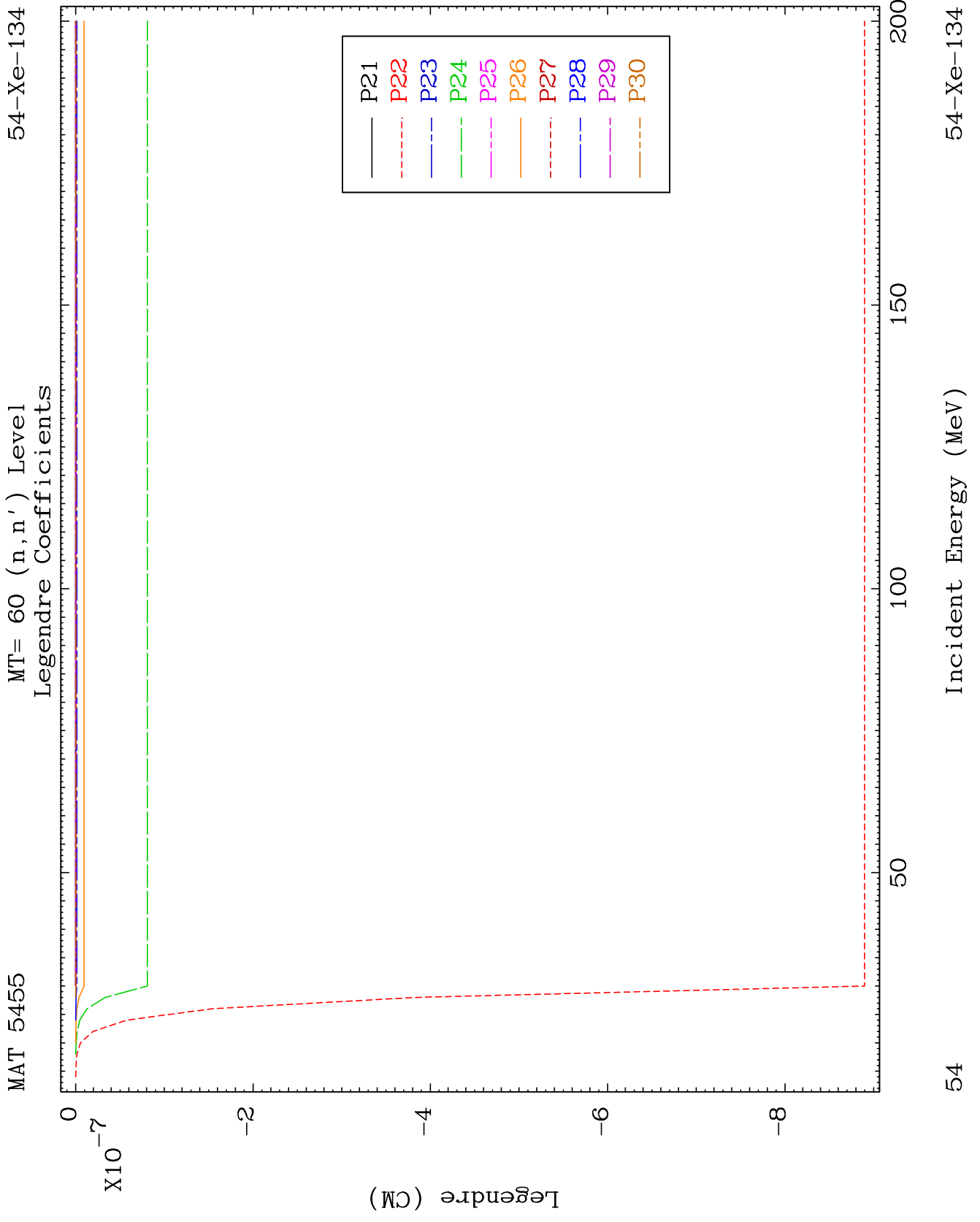
54-Xe-134

Incident Energy (MeV)

51



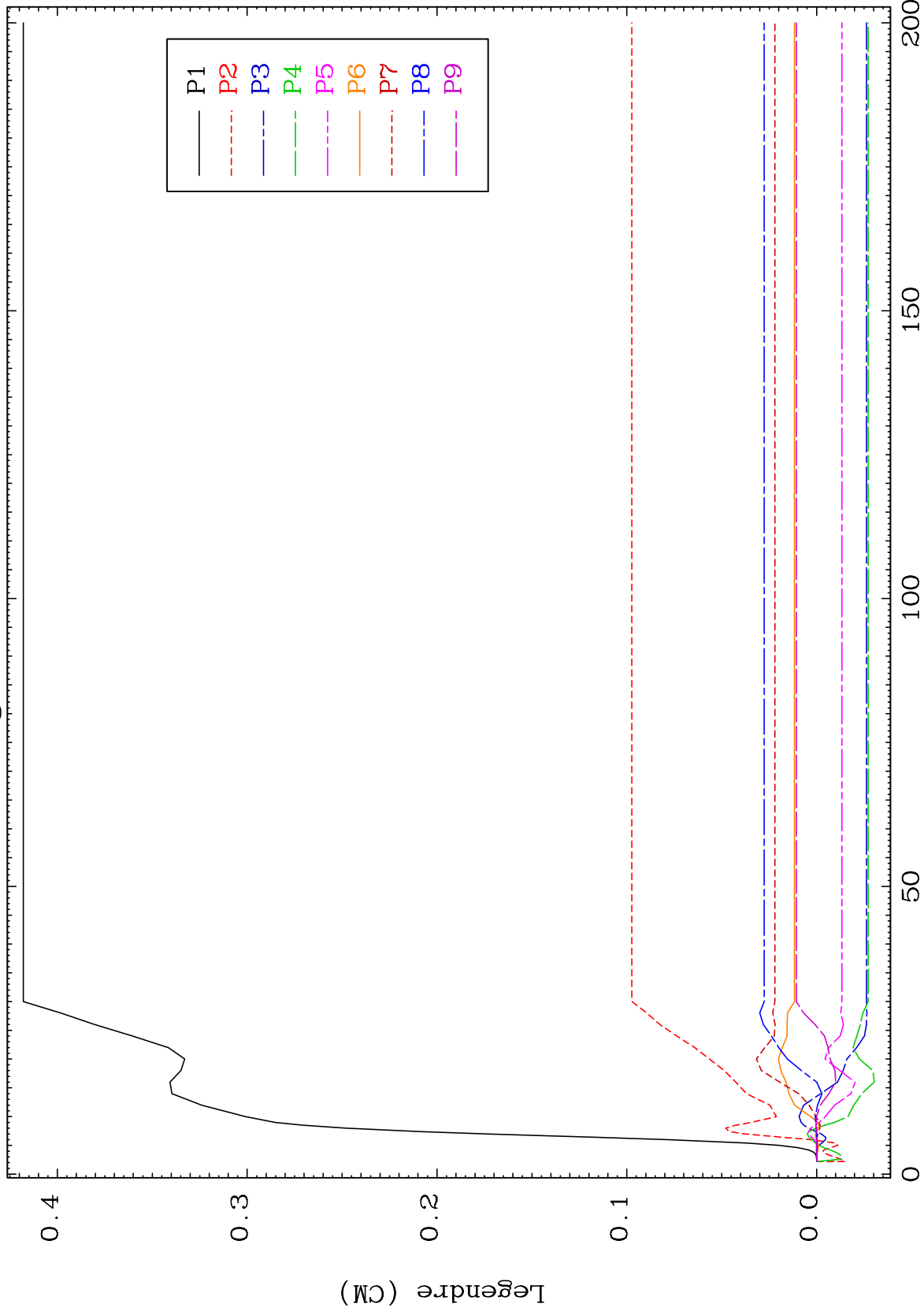




MAT 5455

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

54-Xe-134



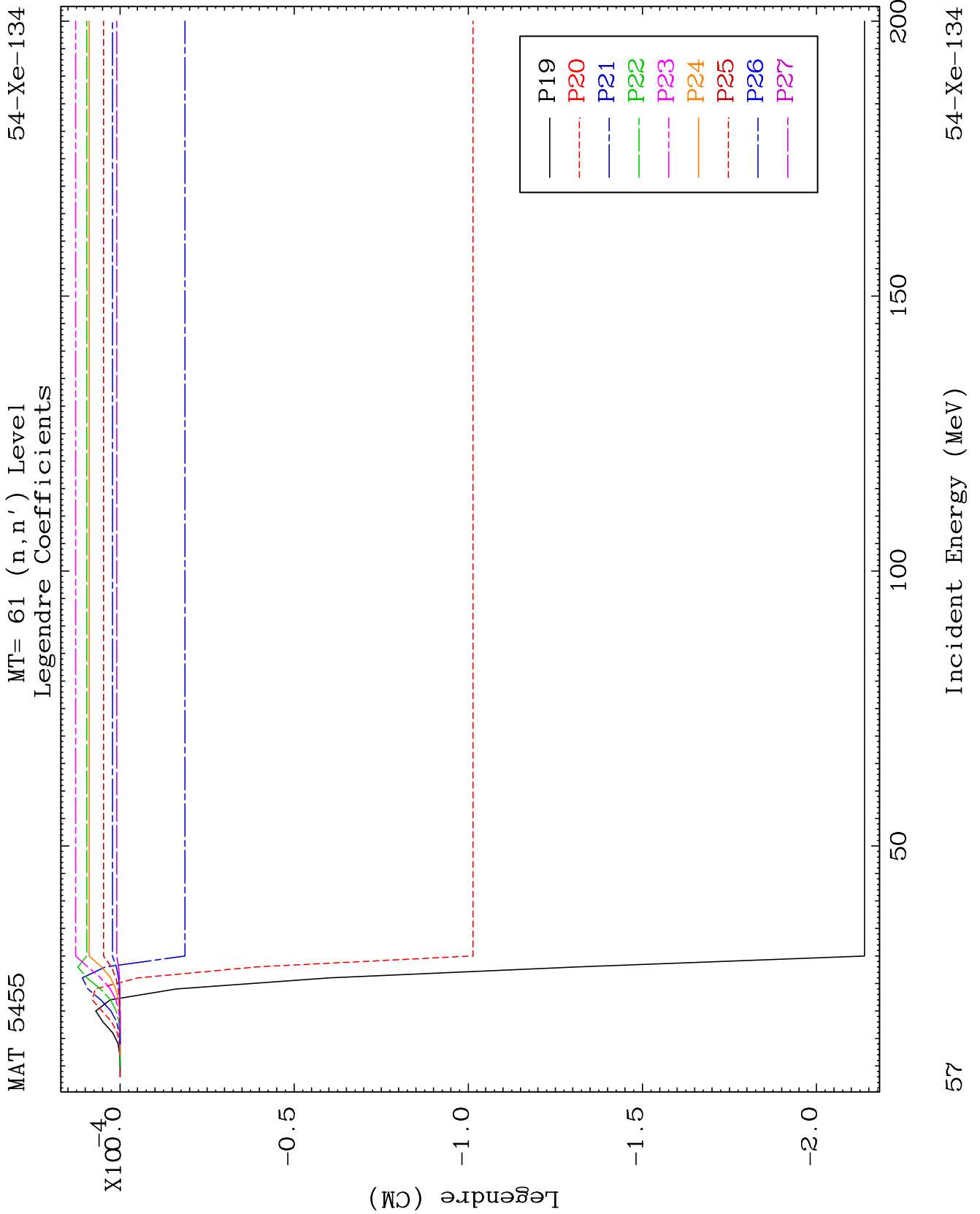
54-Xe-134

Incident Energy (MeV)

55



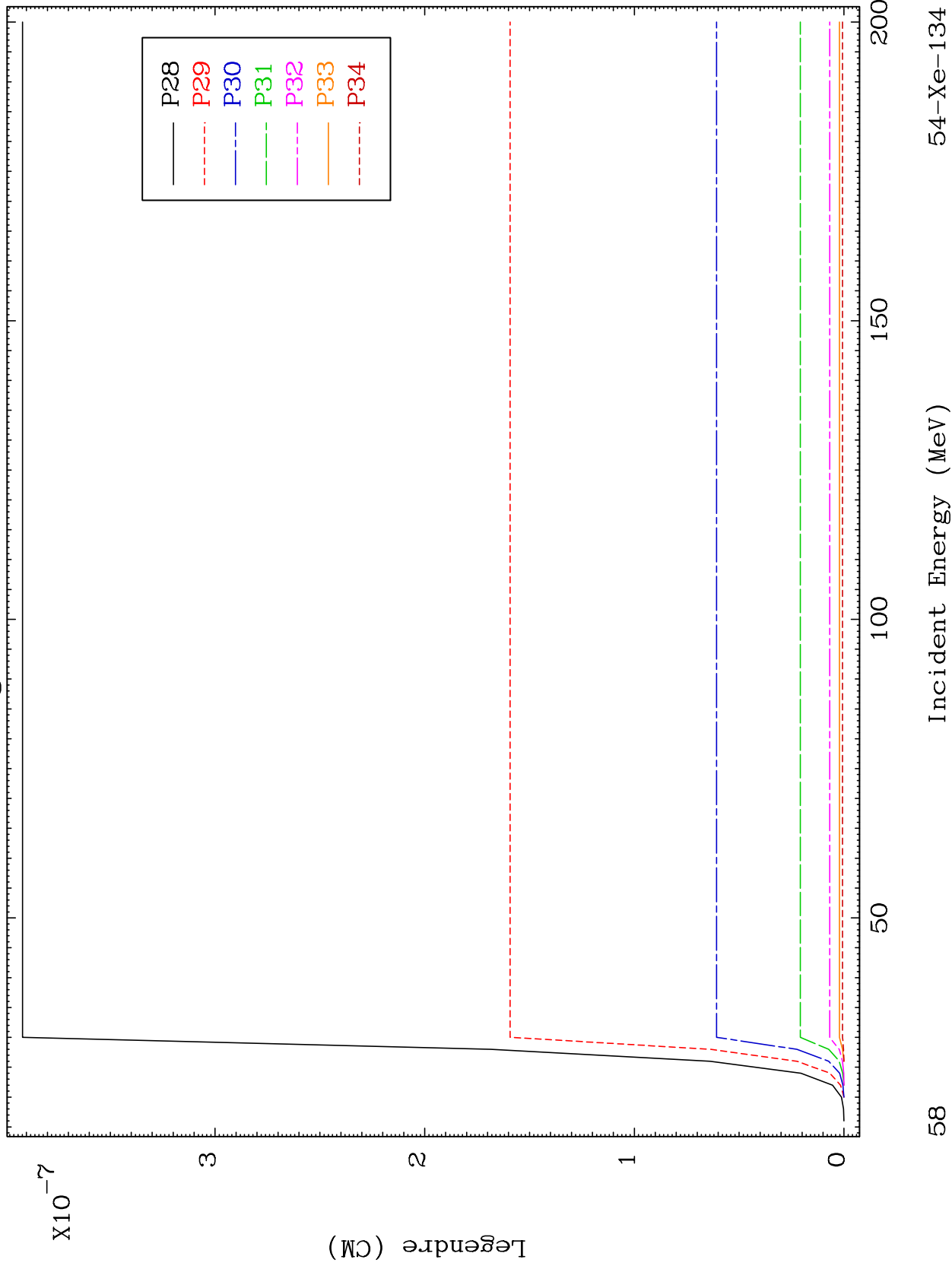


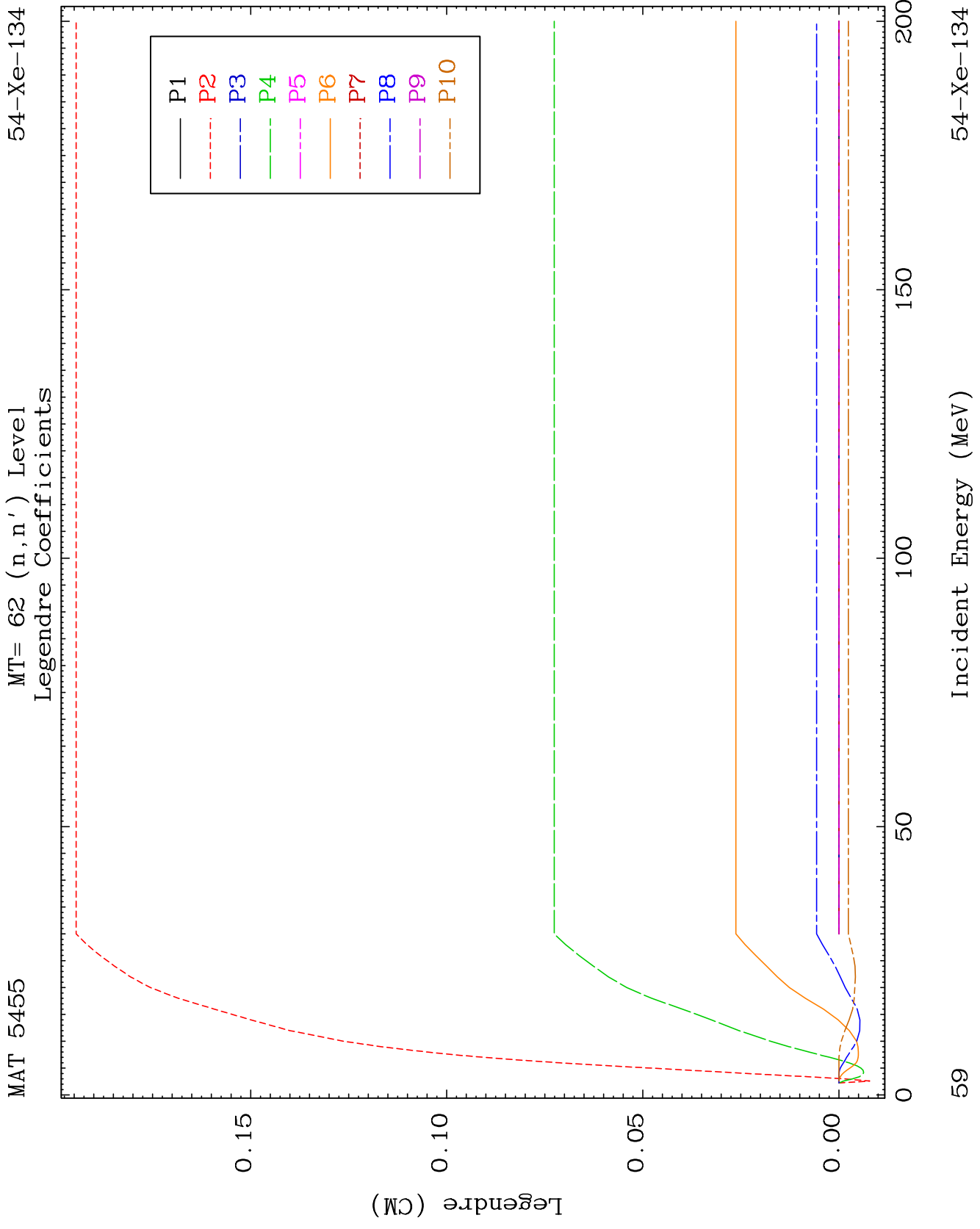


MAT 5455

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

54-Xe-134

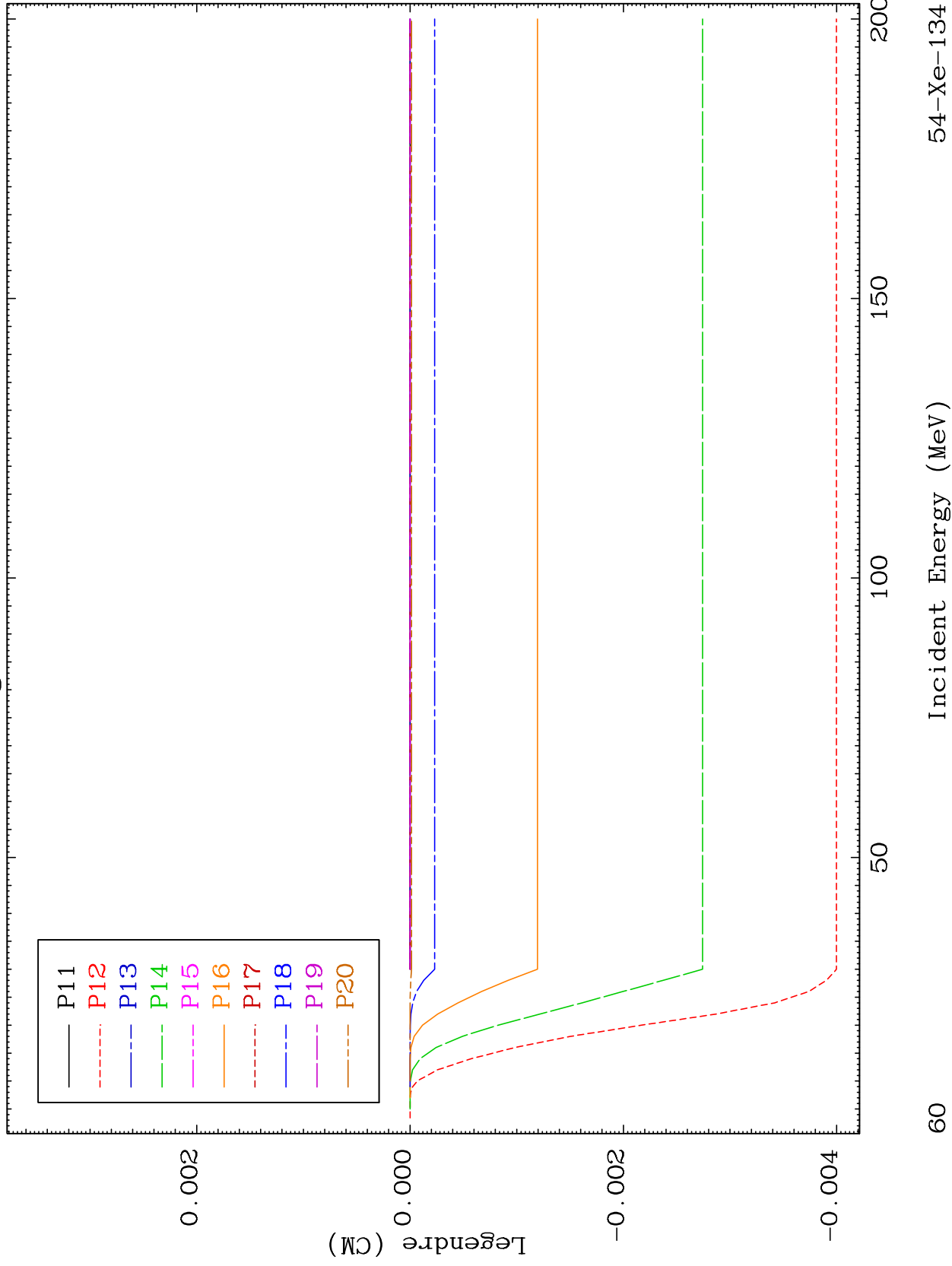




MAT 5455

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

54-Xe-134



54-Xe-134

Incident Energy (MeV)

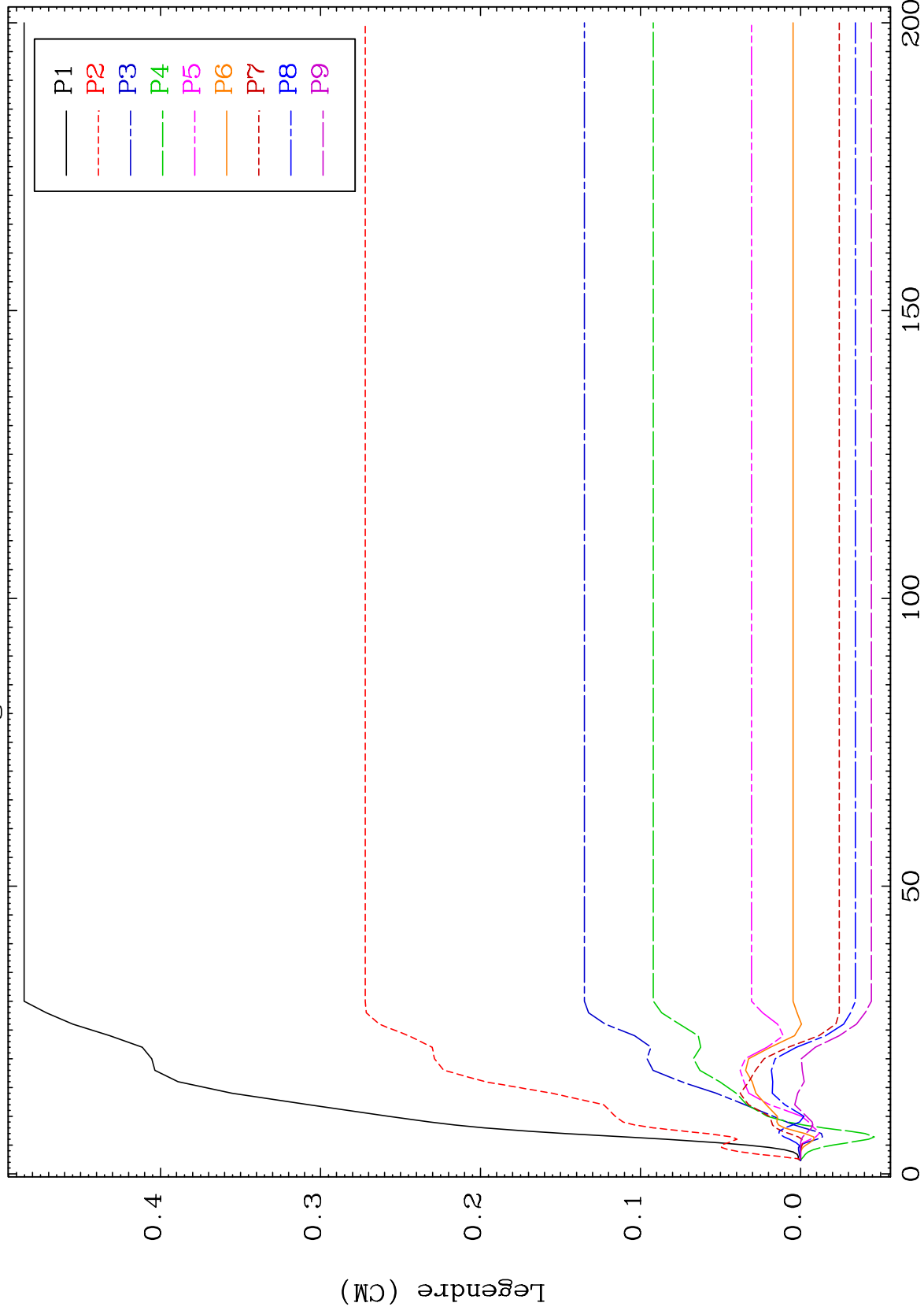
60



MAT 5455

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

54-Xe-134



54-Xe-134

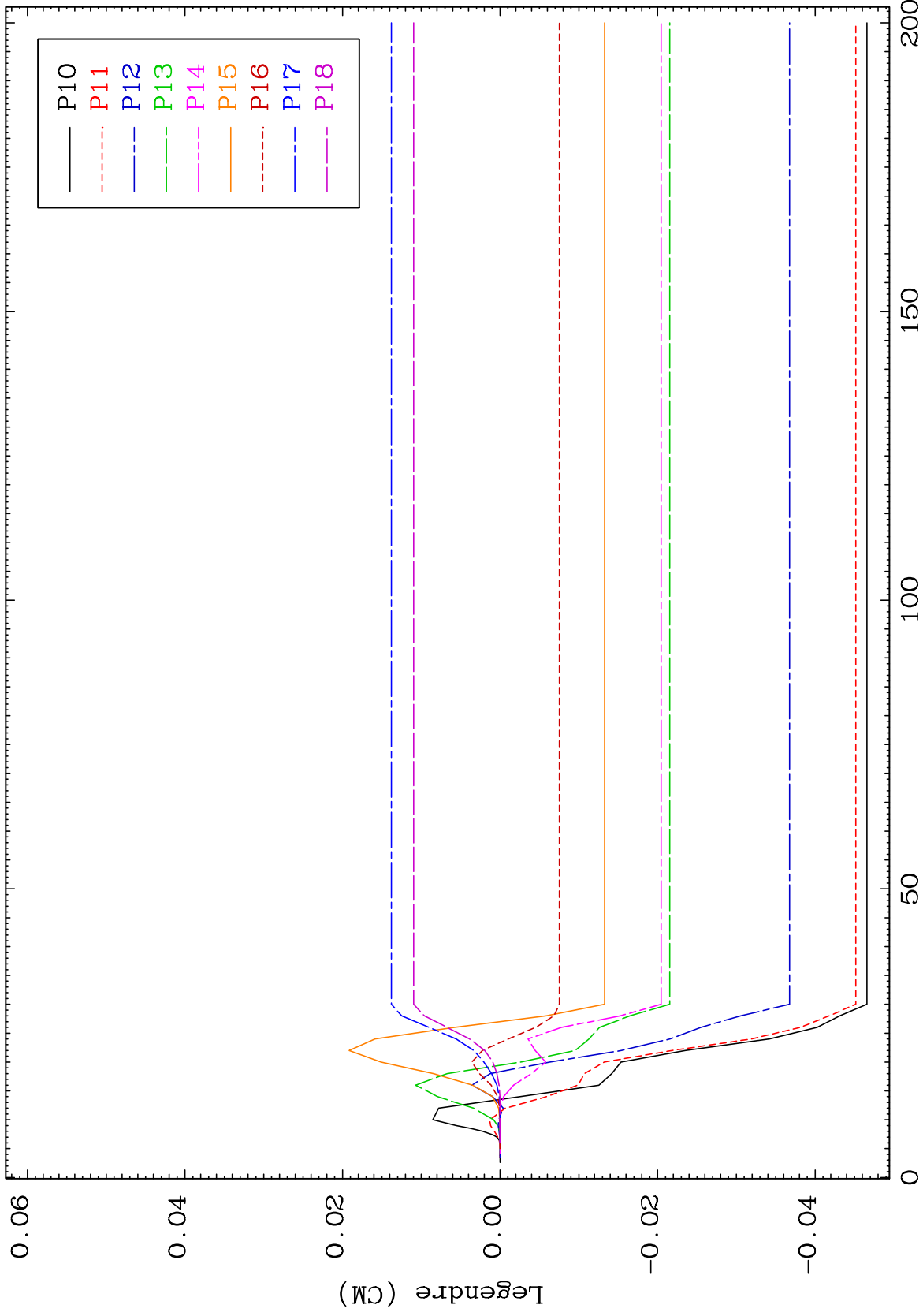
Incident Energy (MeV)

62

MAT 5455

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

54-Xe-134



63

Incident Energy (MeV)

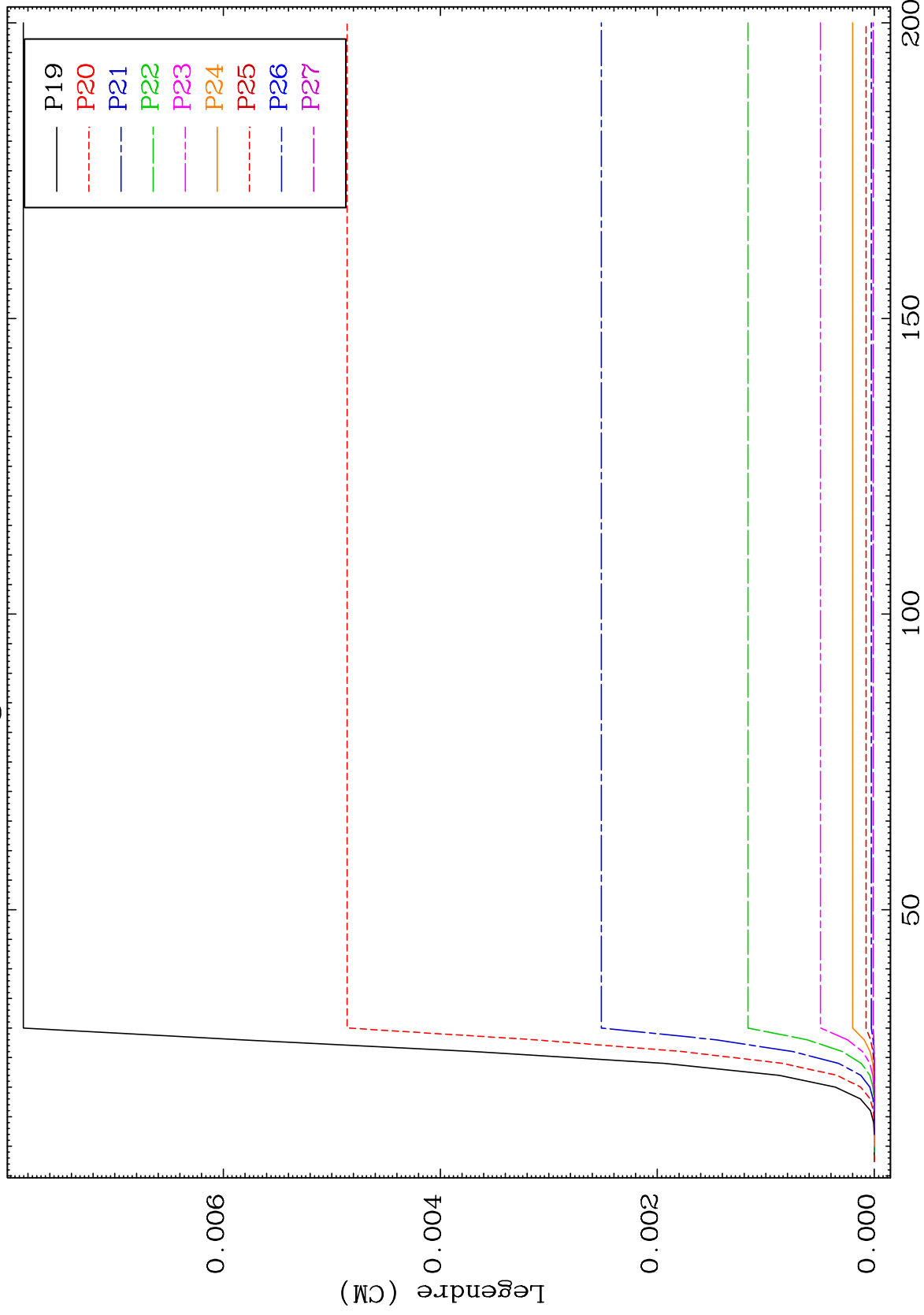
54-Xe-134



MAT 5455

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

54-Xe-134



64

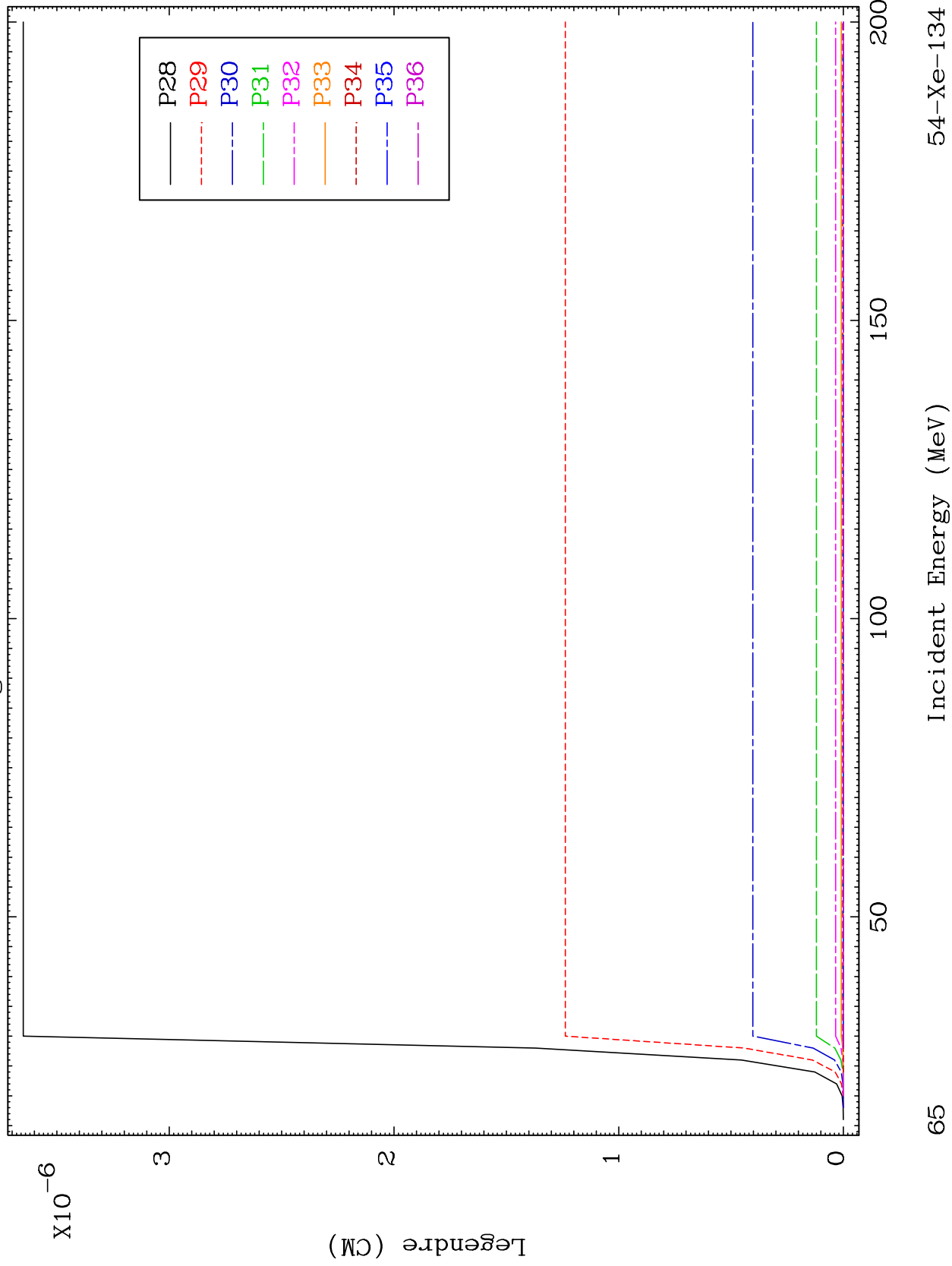
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

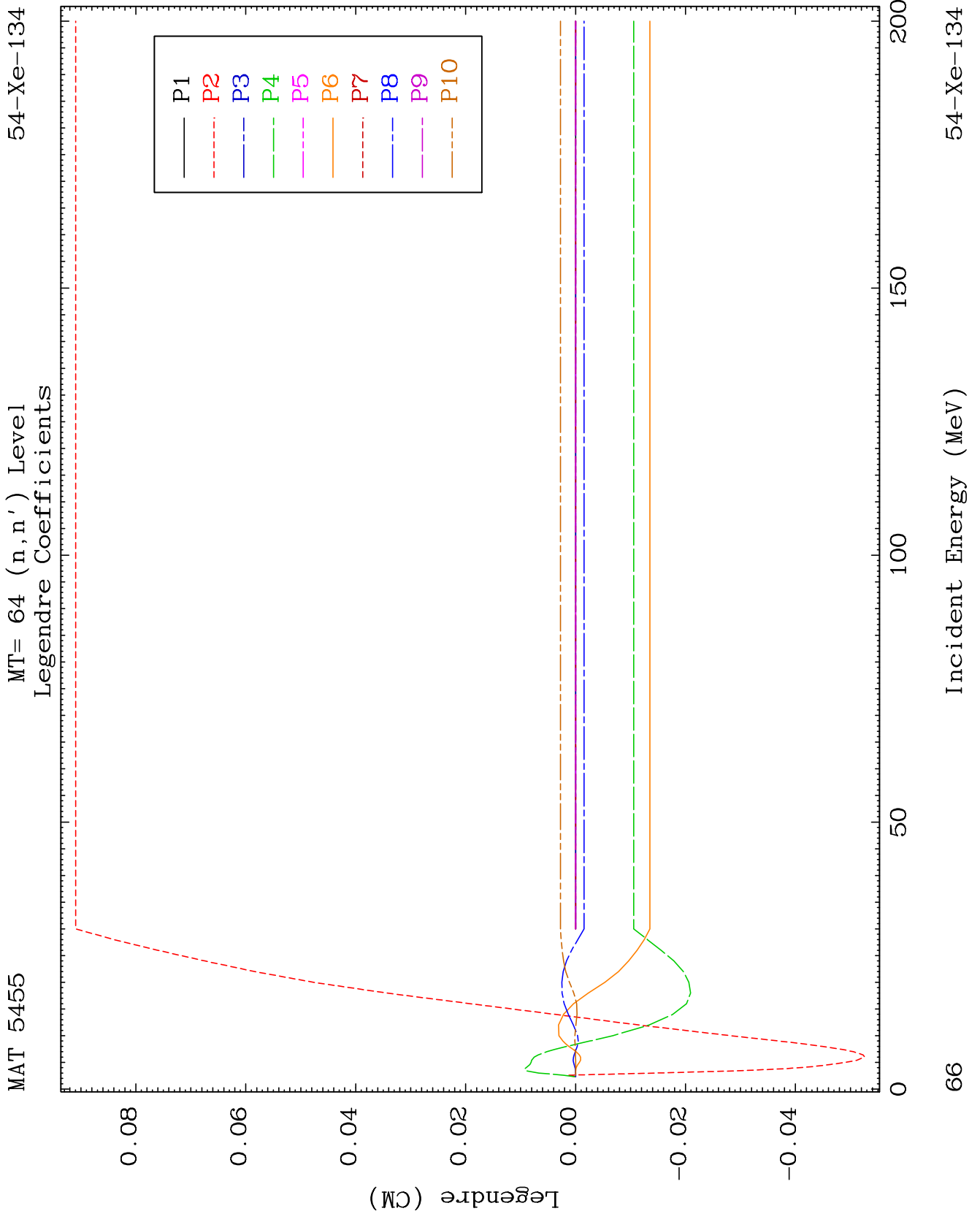
54-Xe-134



65

Incident Energy (MeV)

54-Xe-134



54-Xe-134

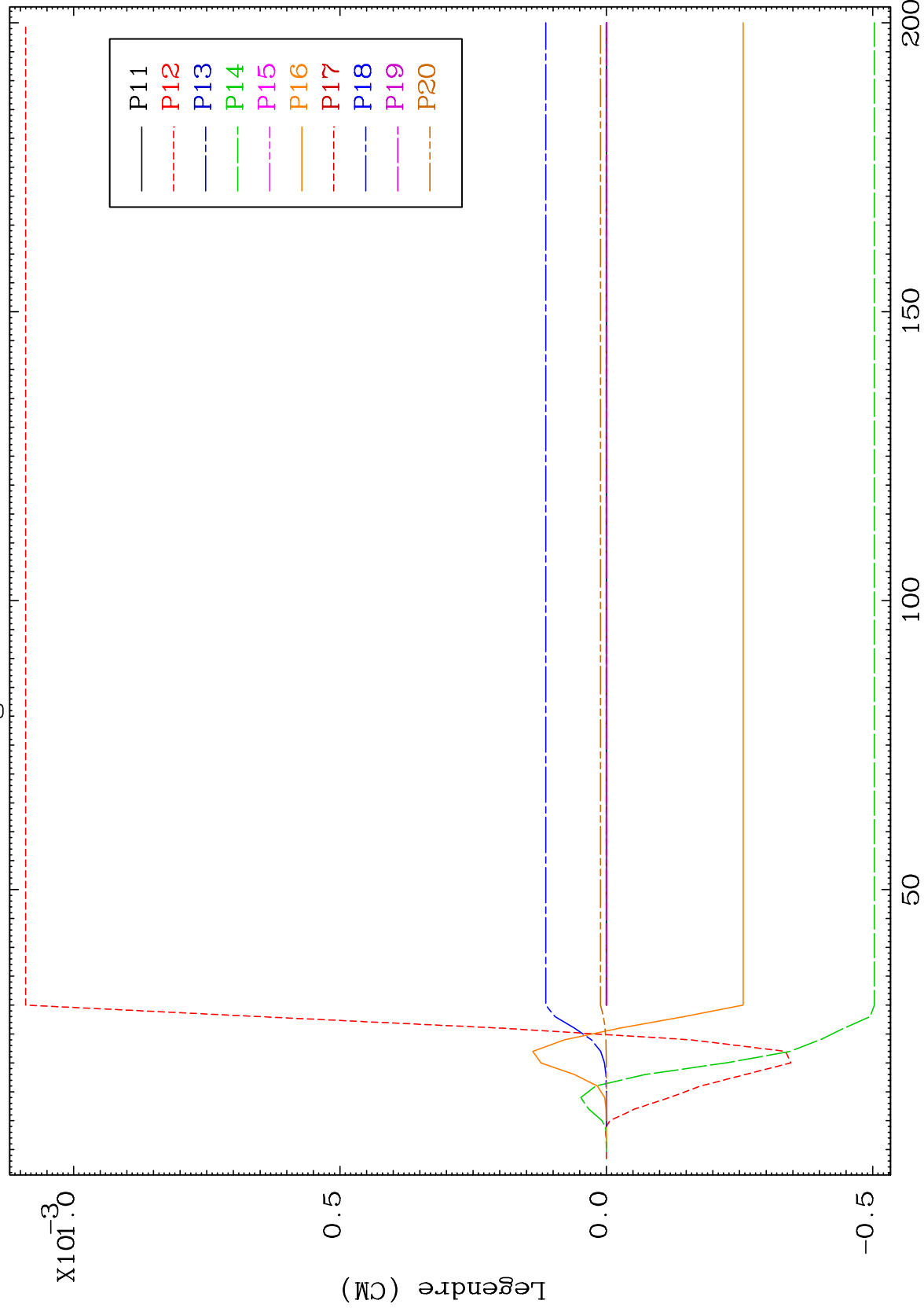
Incident Energy (MeV)

66

MAT 5455

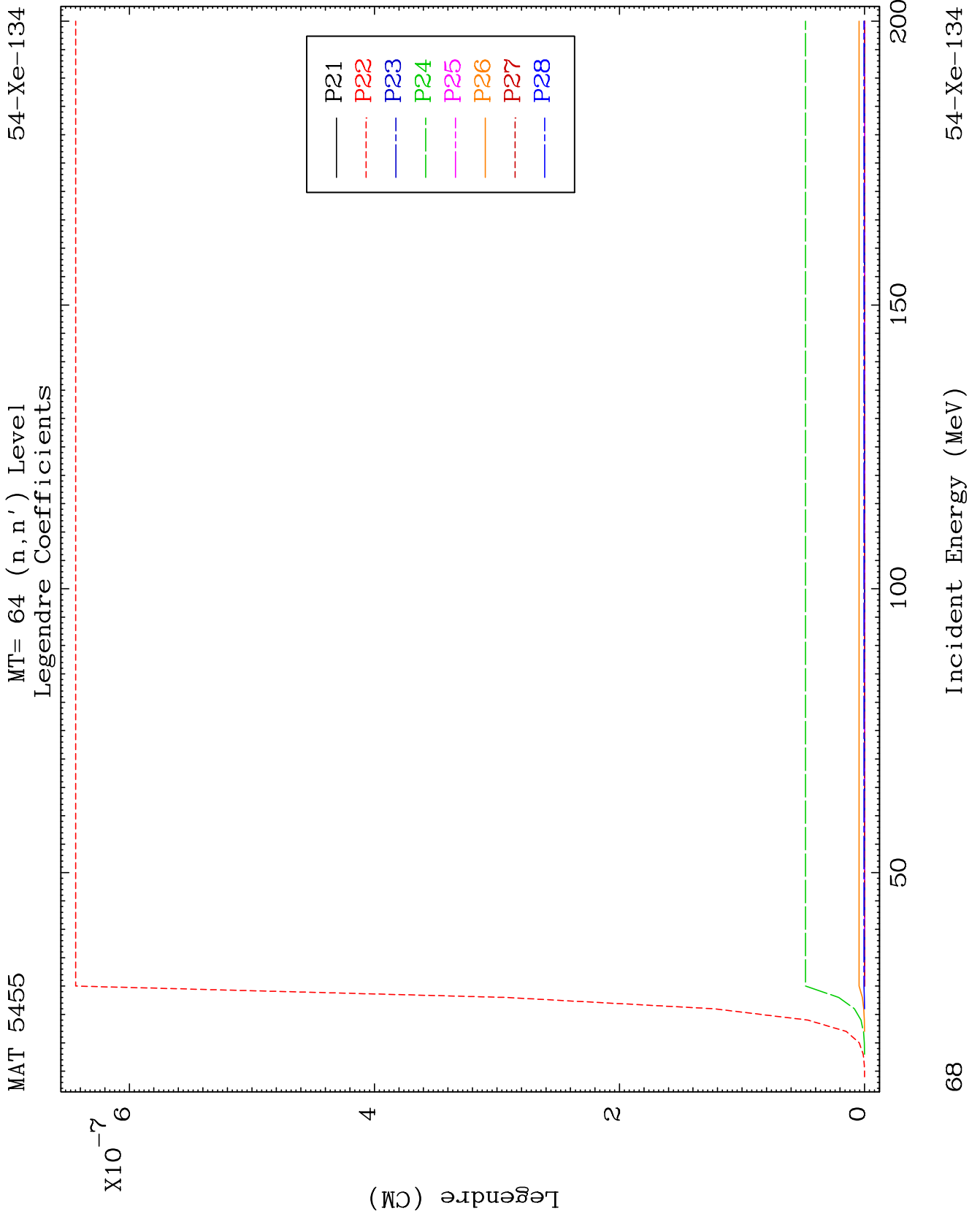
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Legendre Coefficients

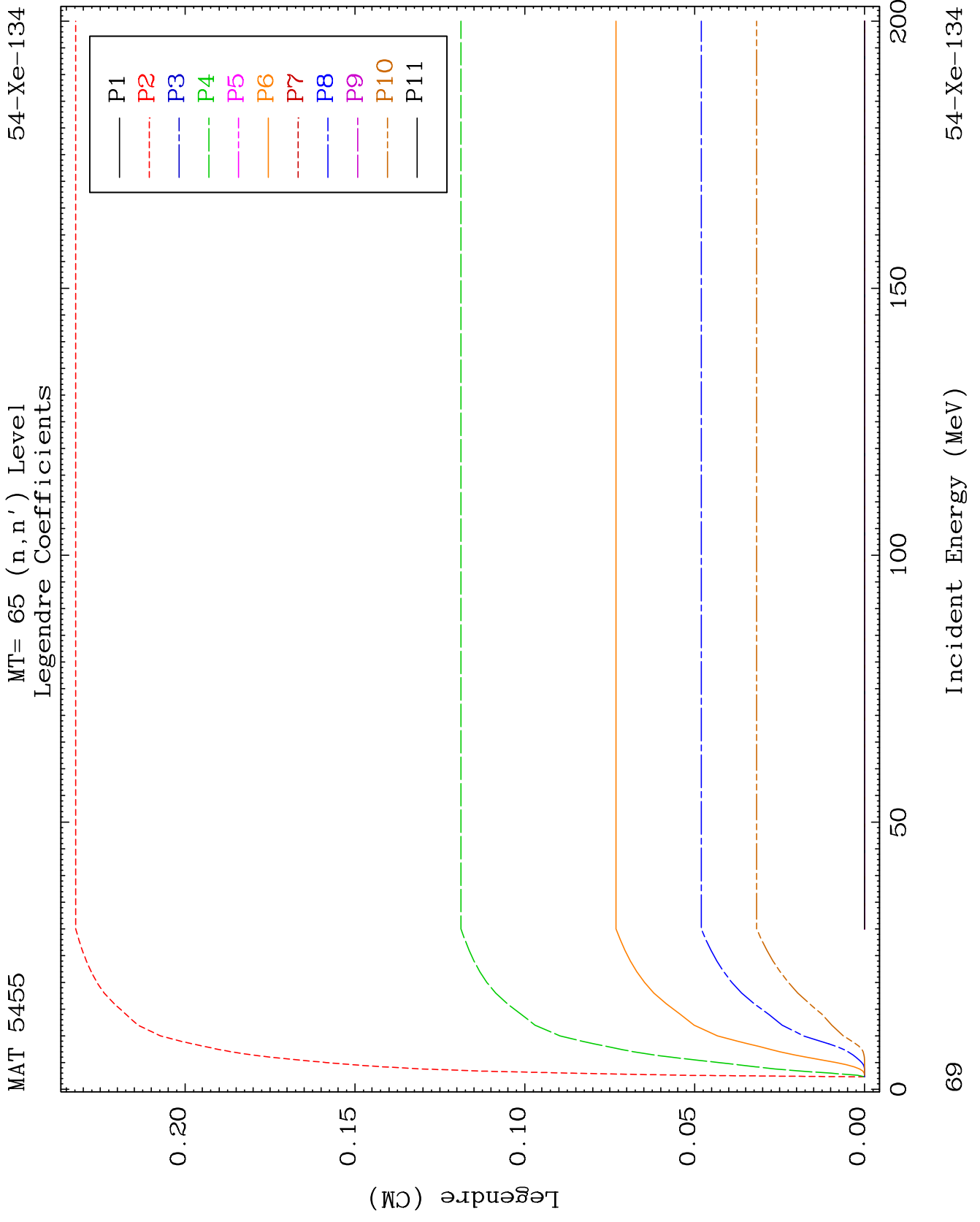
54-Xe-134



67

54-Xe-134



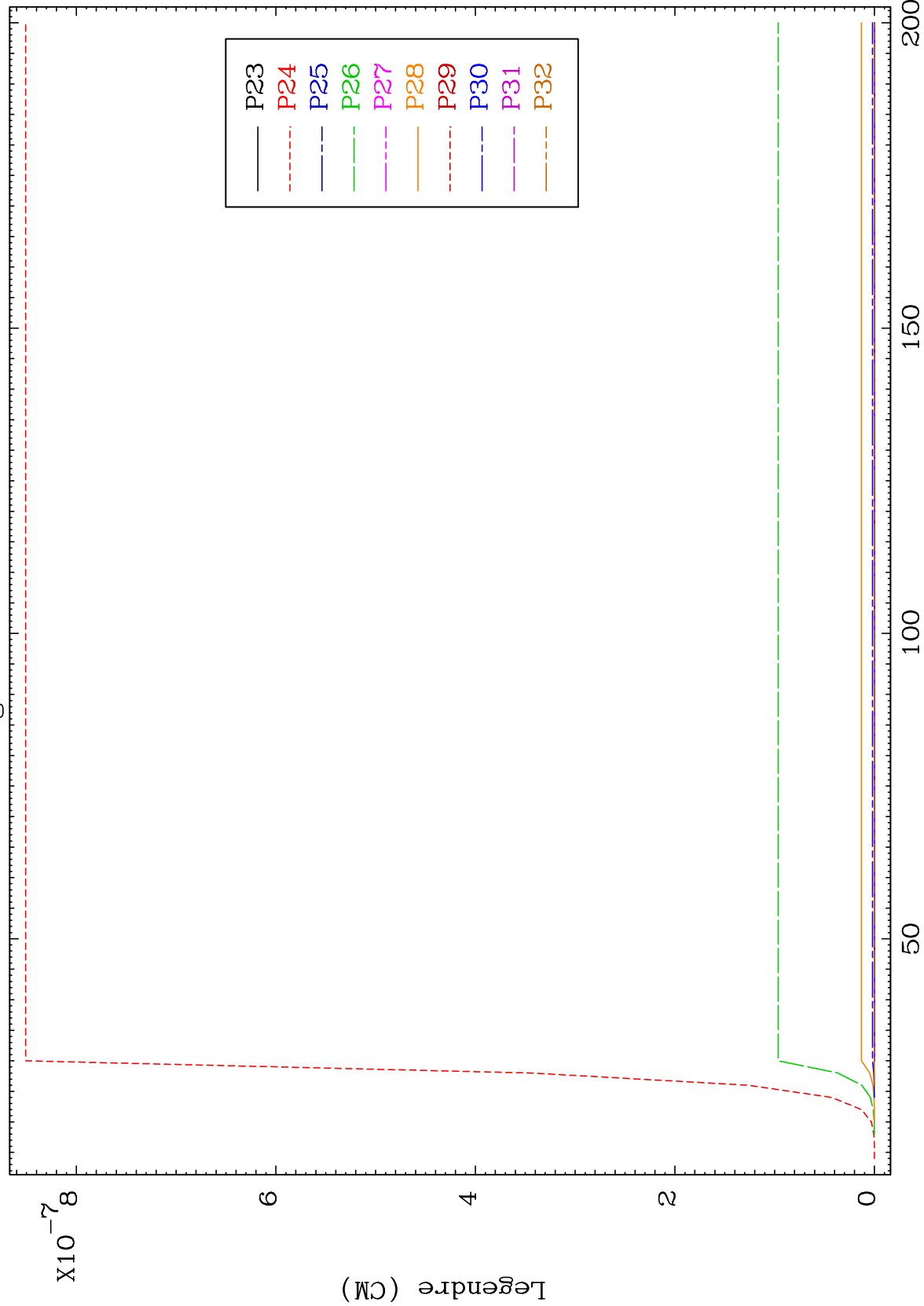




MAT 5455

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

54-Xe-134



54-Xe-134

Incident Energy (MeV)

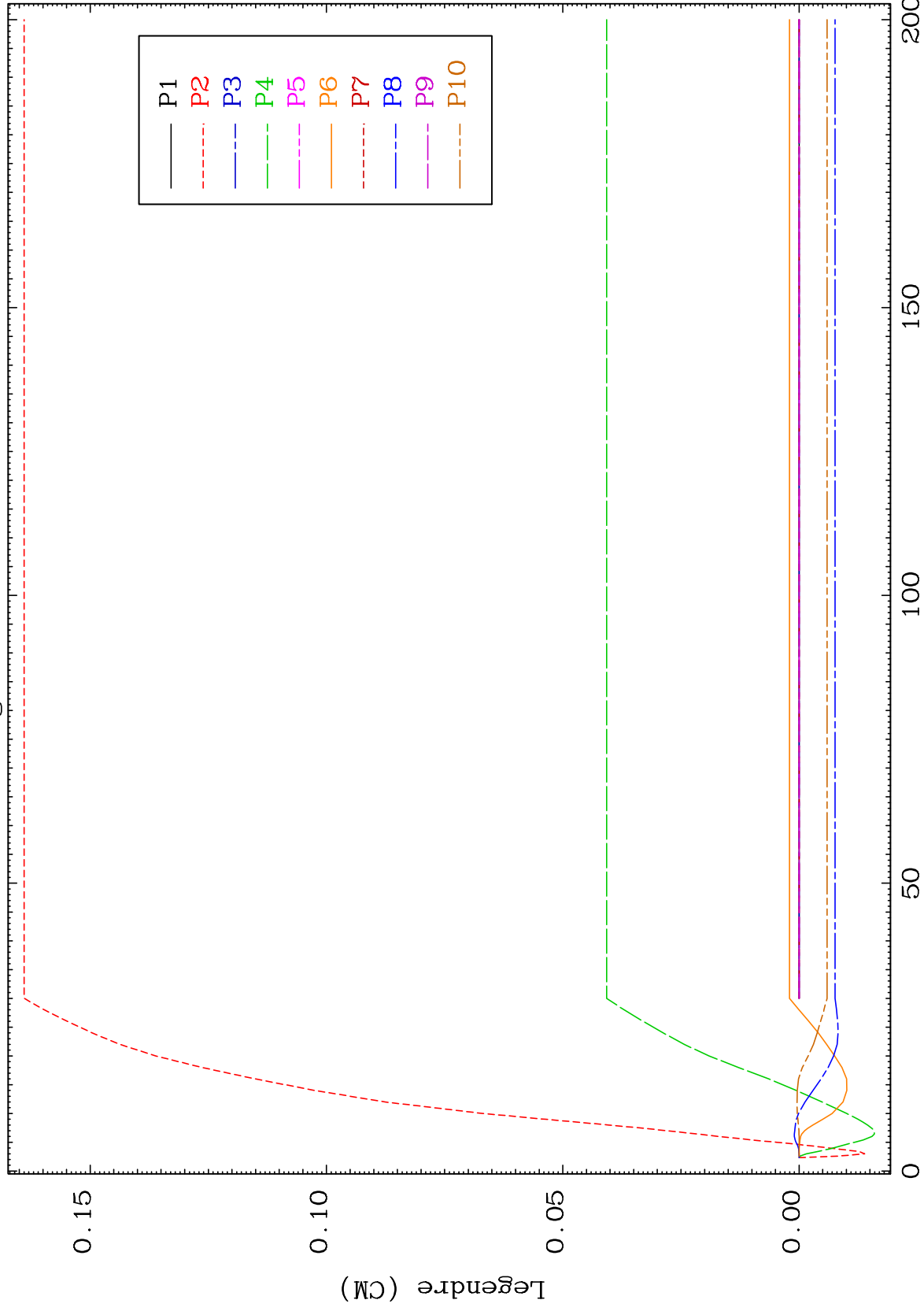
71



MAT 5455

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

54-Xe-134



72

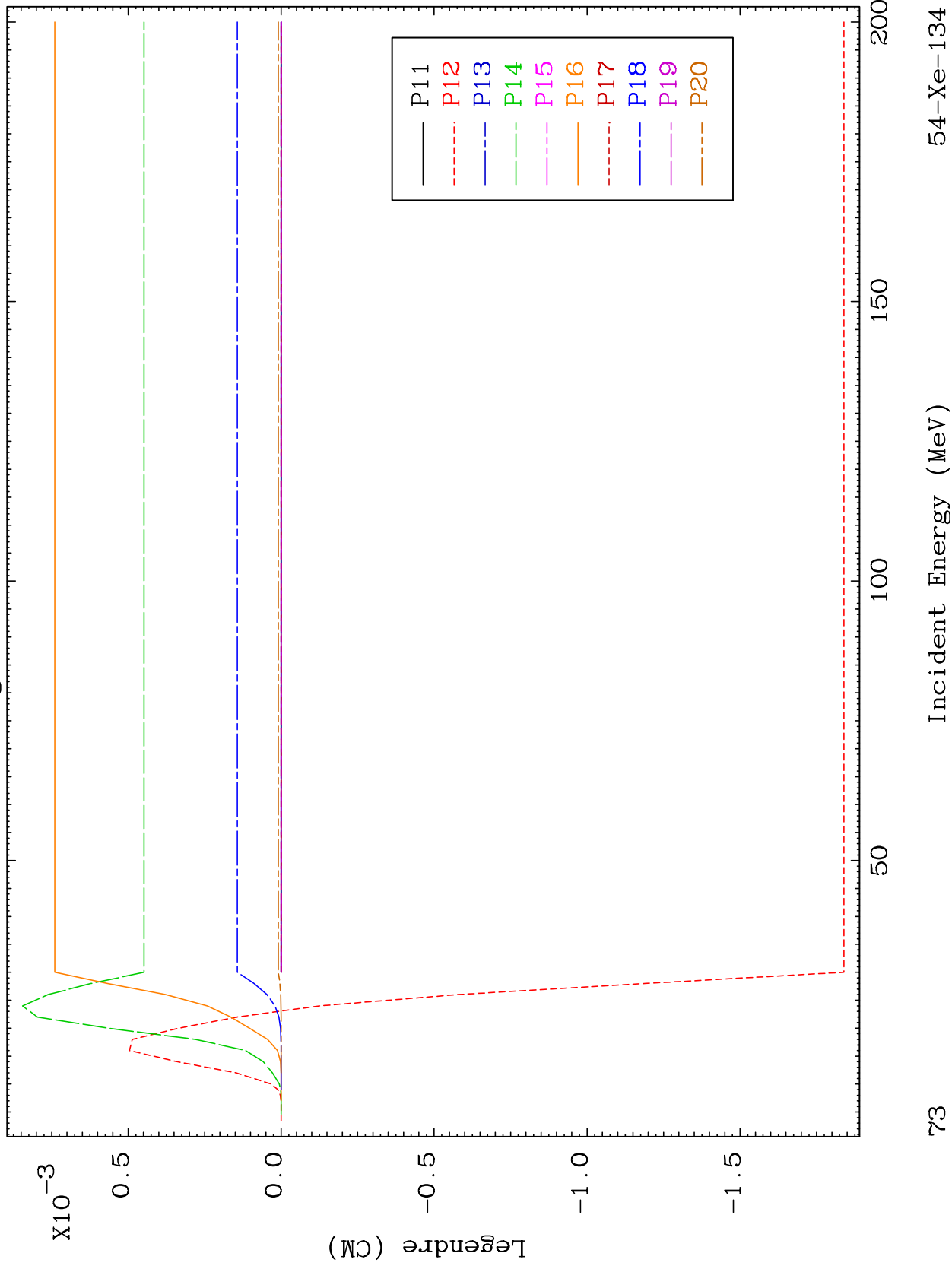
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



73

Incident Energy (MeV)

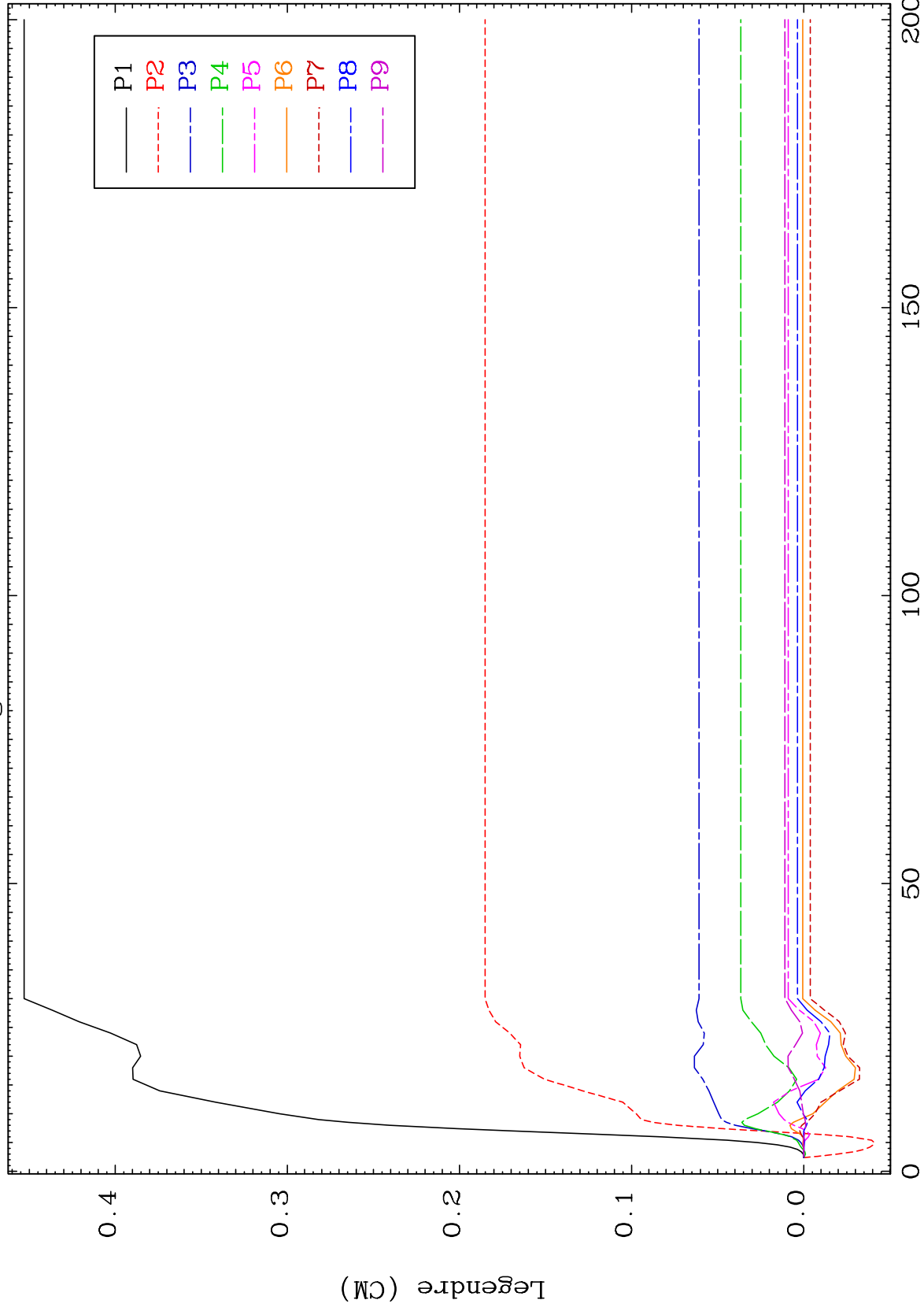
54-Xe-134



MAT 5455

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

54-Xe-134



75

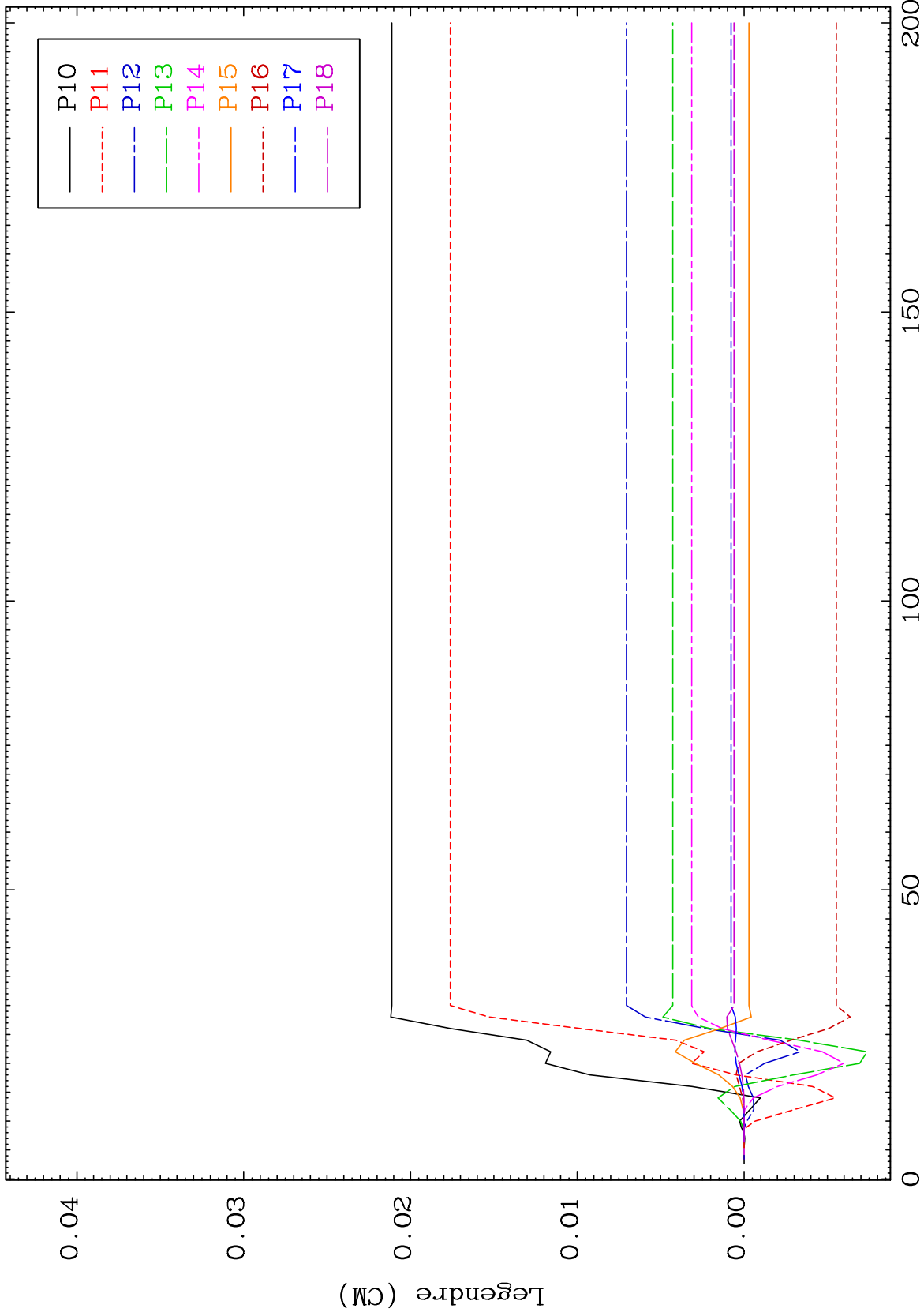
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



76

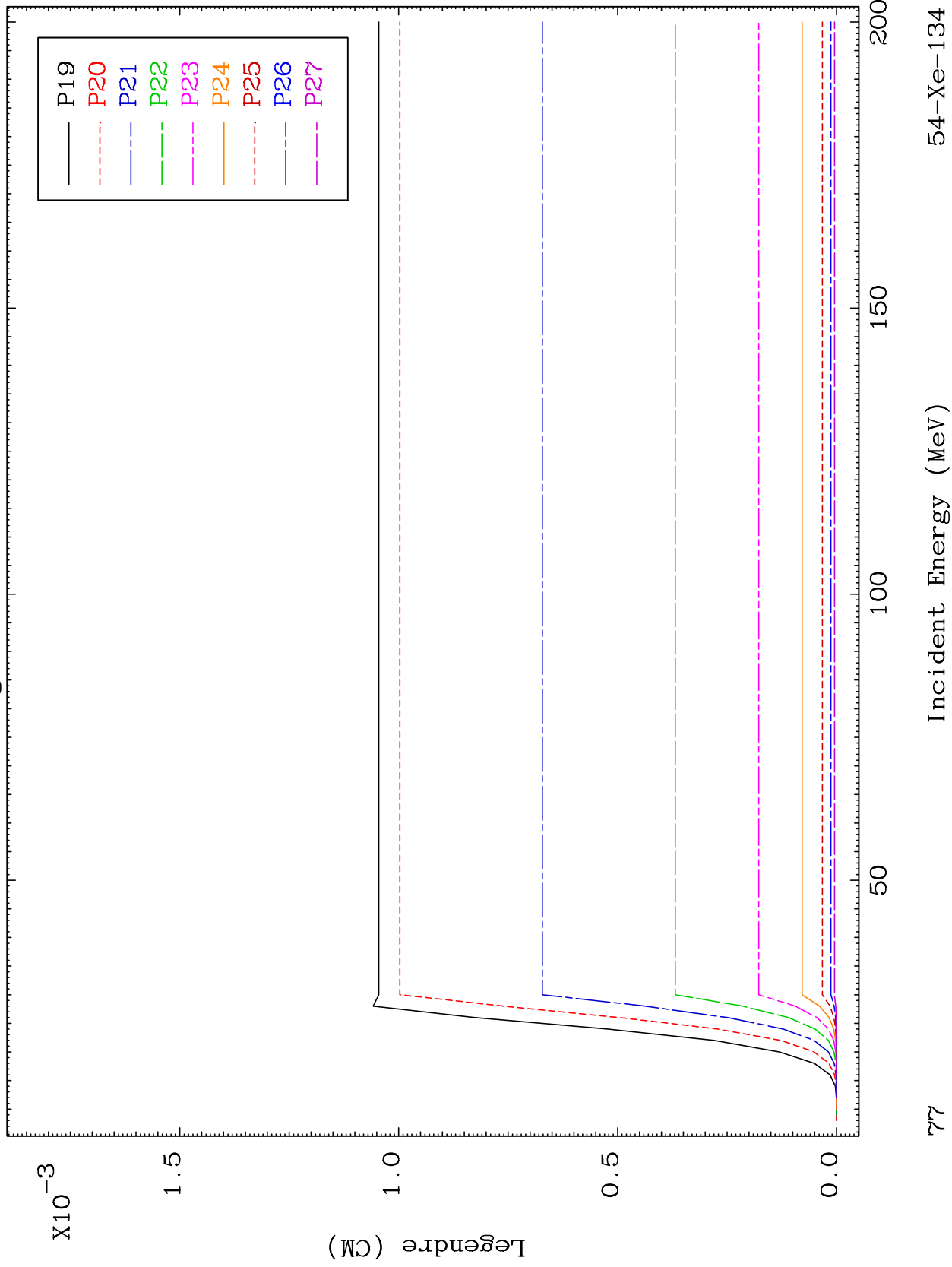
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

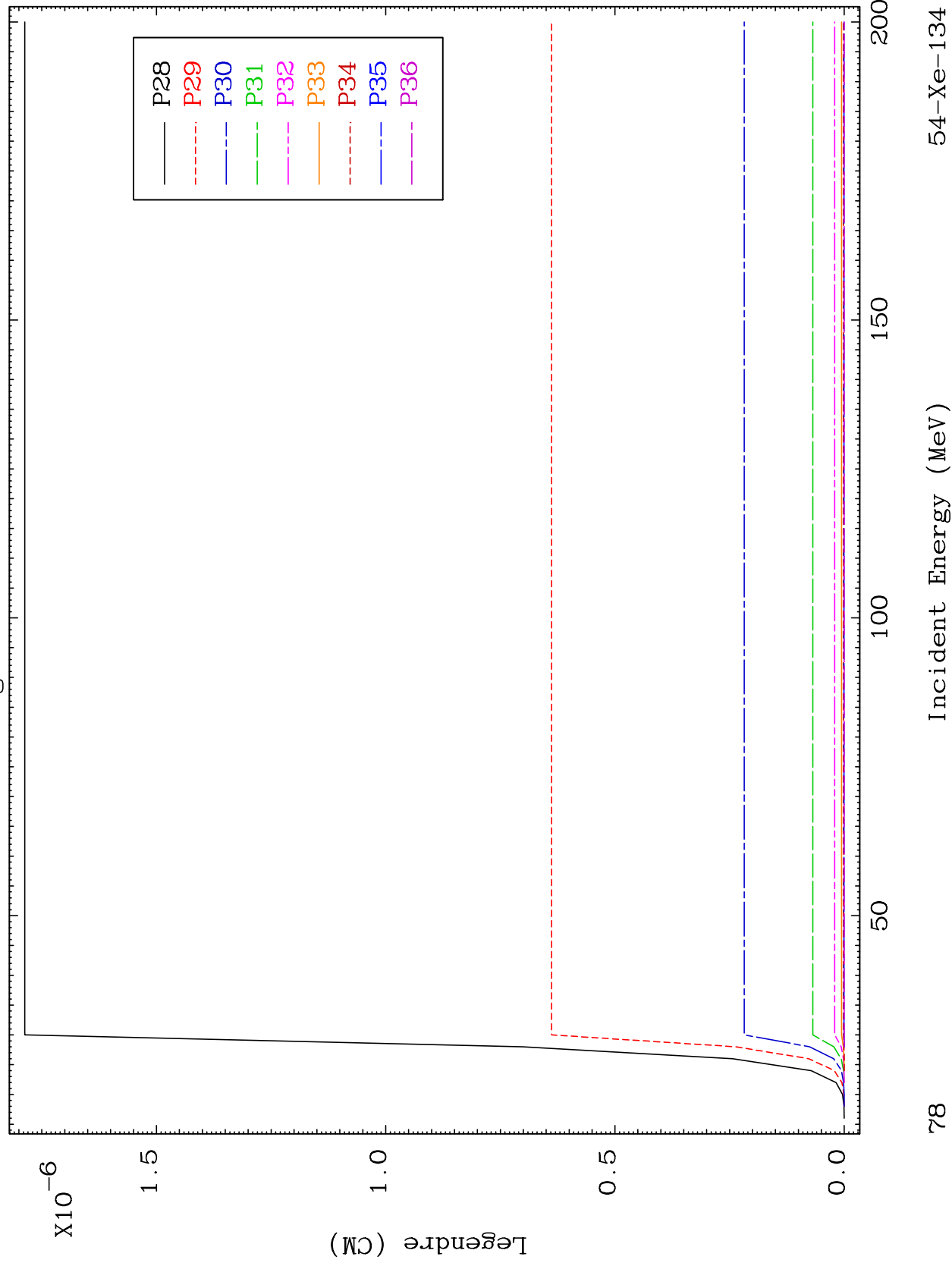
54-Xe-134



MAT 5455

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

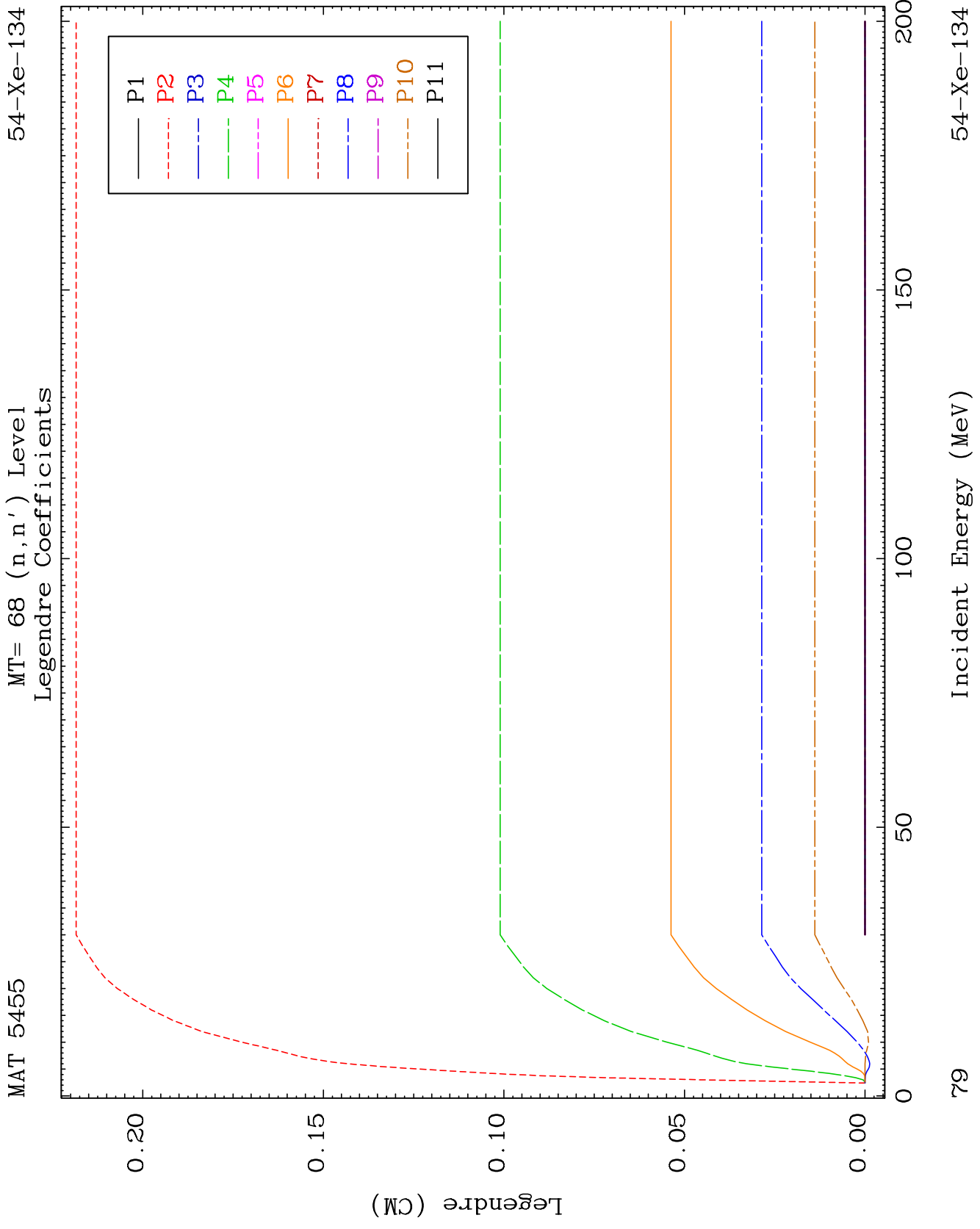
54-Xe-134



78

Incident Energy (MeV)

54-Xe-134

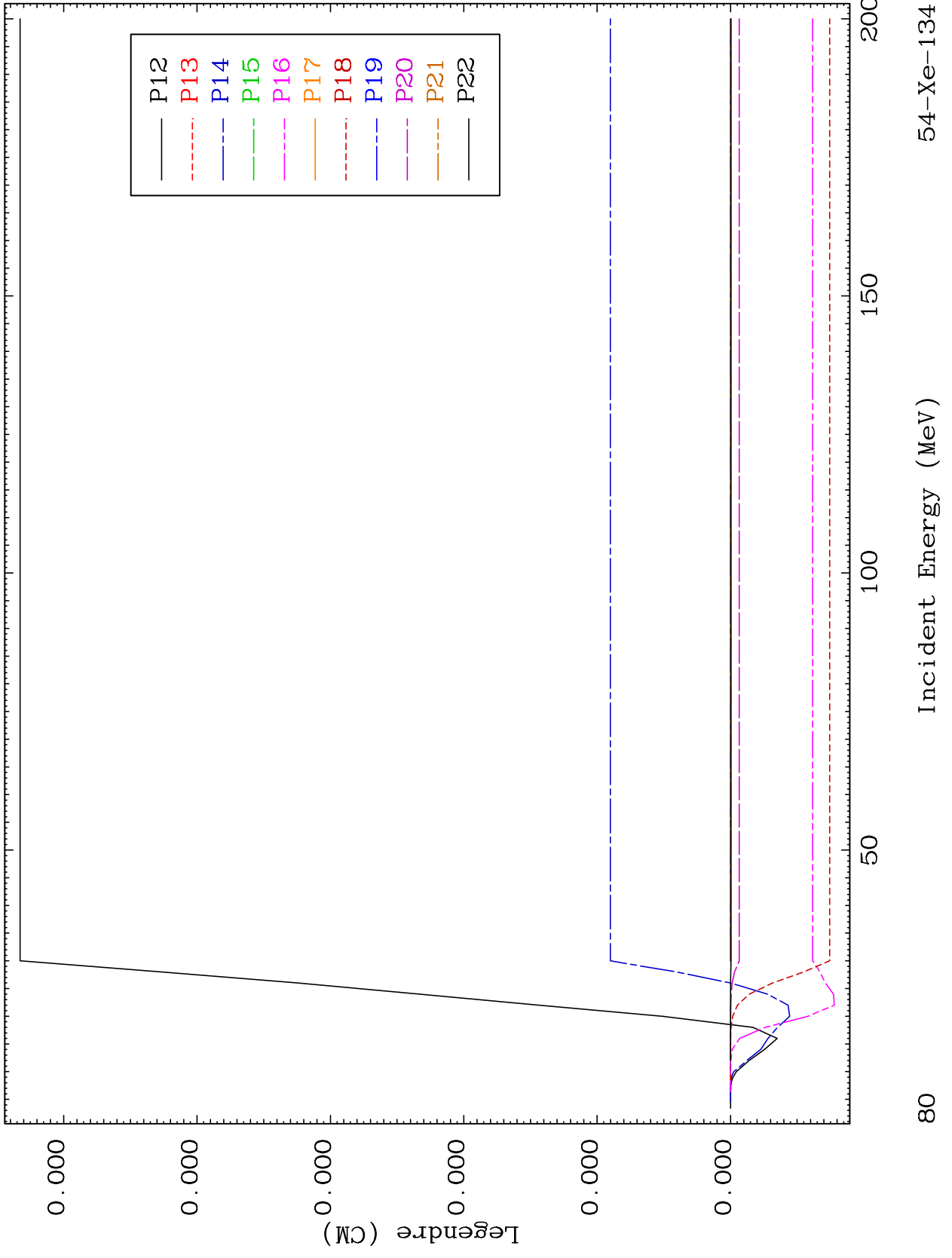


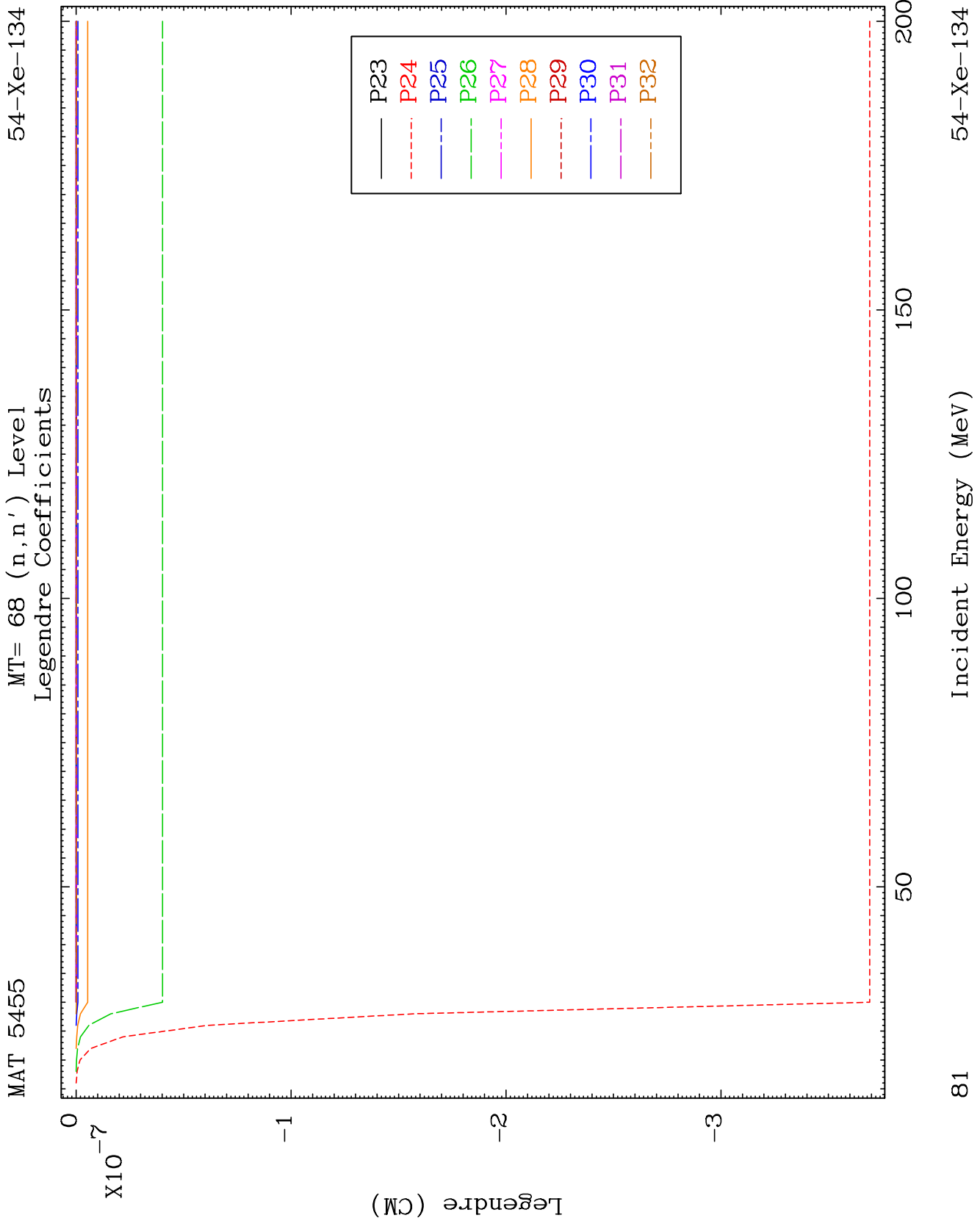


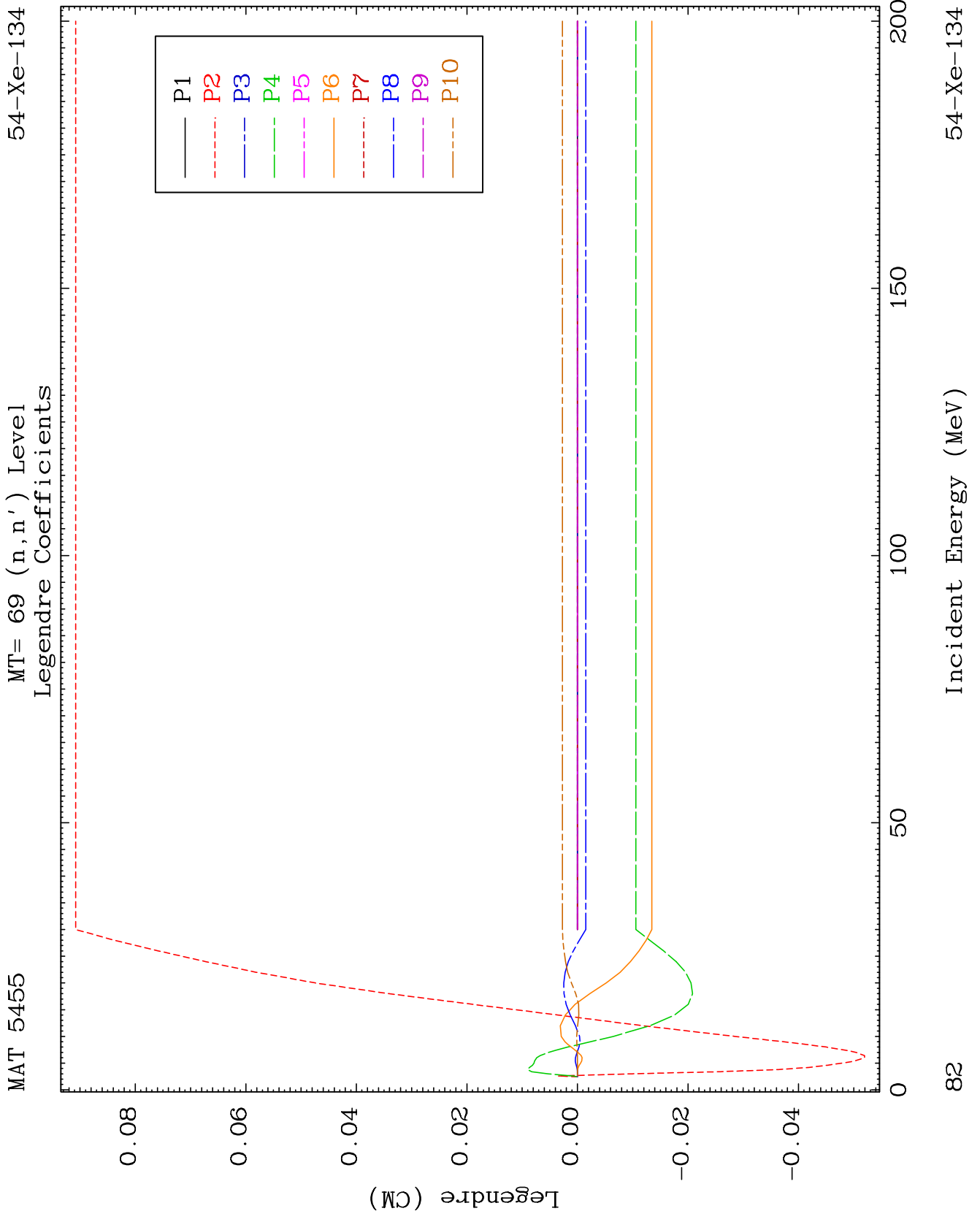
MAT 5455

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

54-Xe-134







54-Xe-134

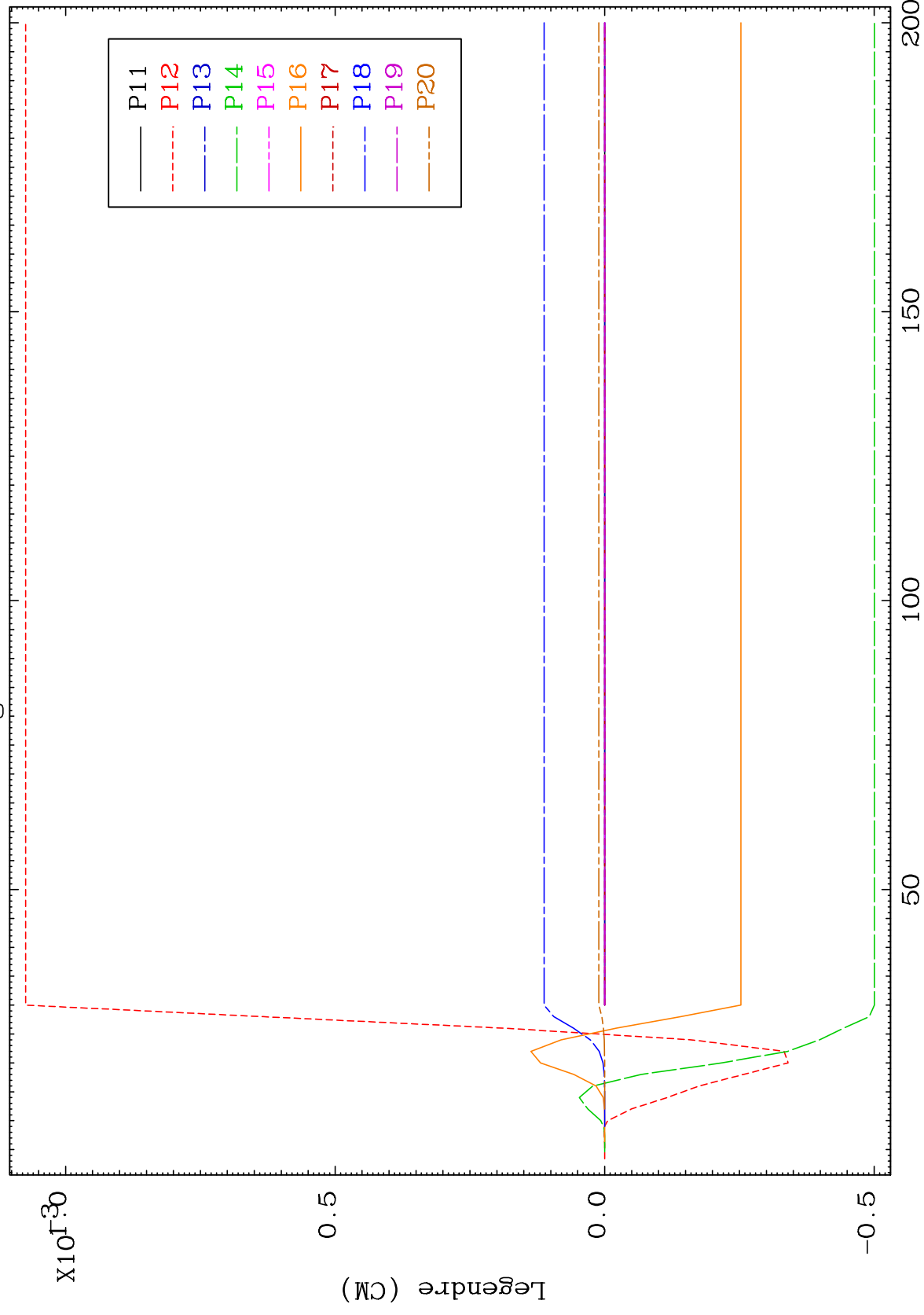
Incident Energy (MeV)

82

MAT 5455

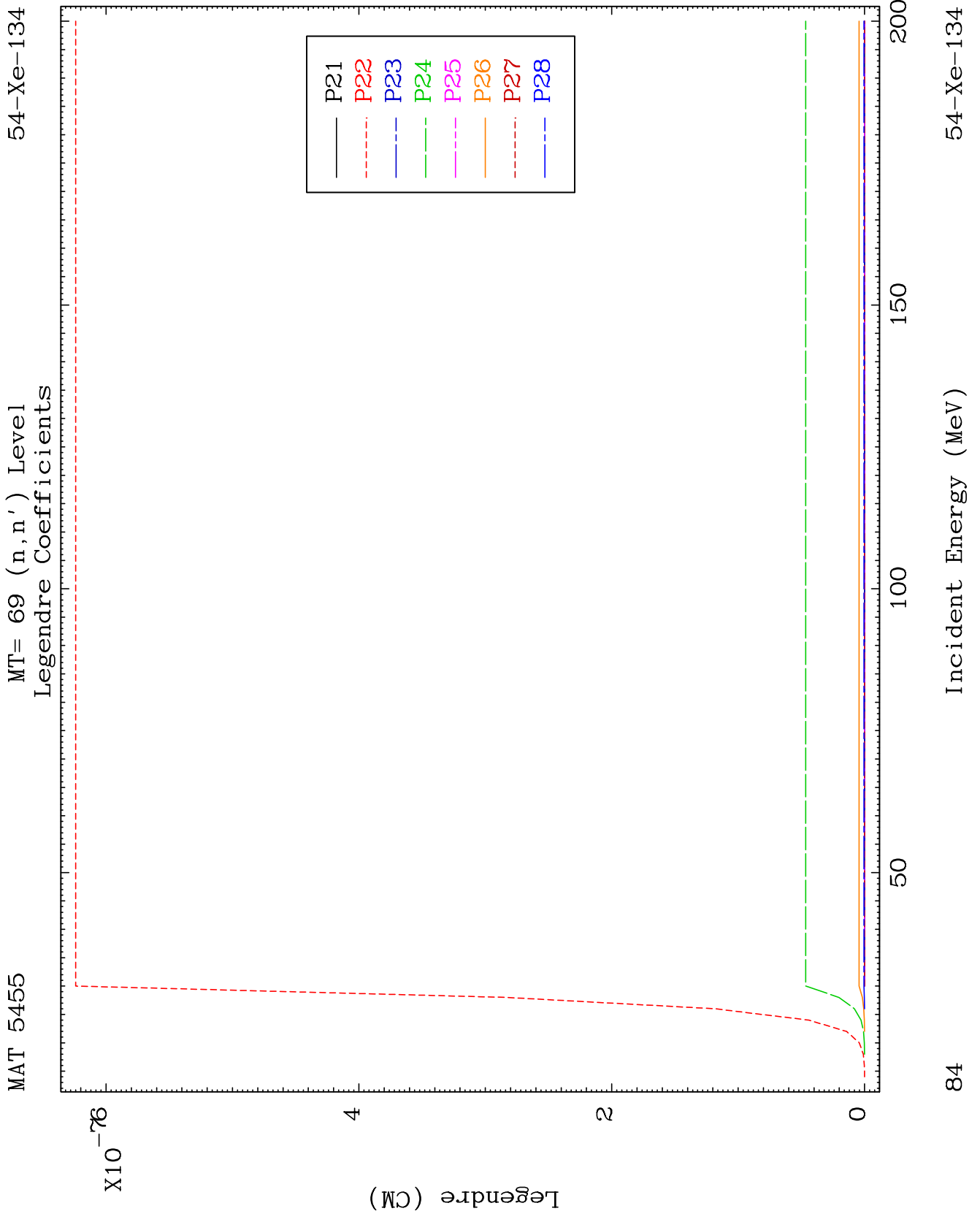
MT= 69 (n,n') Level  
Legendre Coefficients

54-Xe-134



83

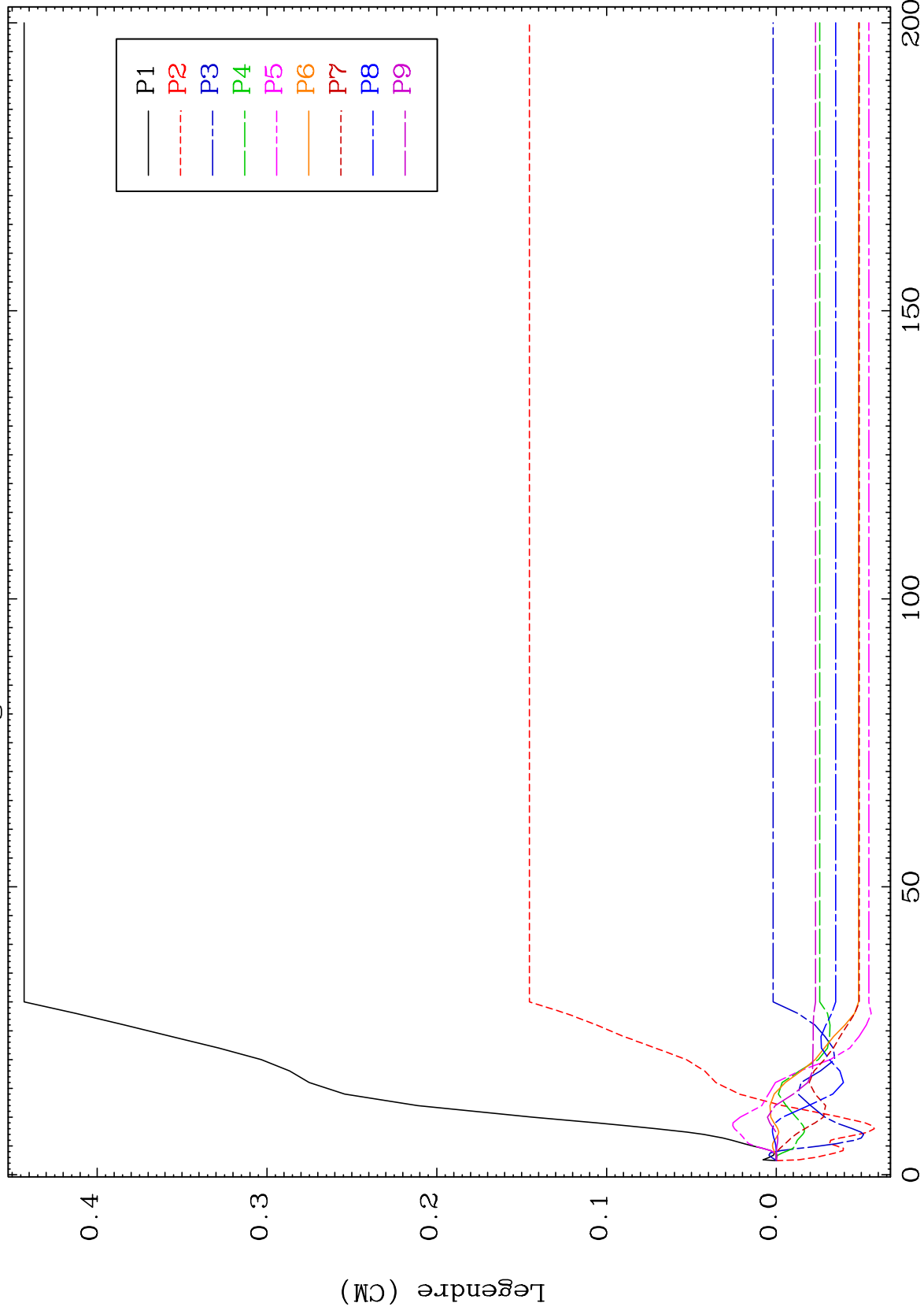
54-Xe-134



MAT 5455

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

54-Xe-134



85

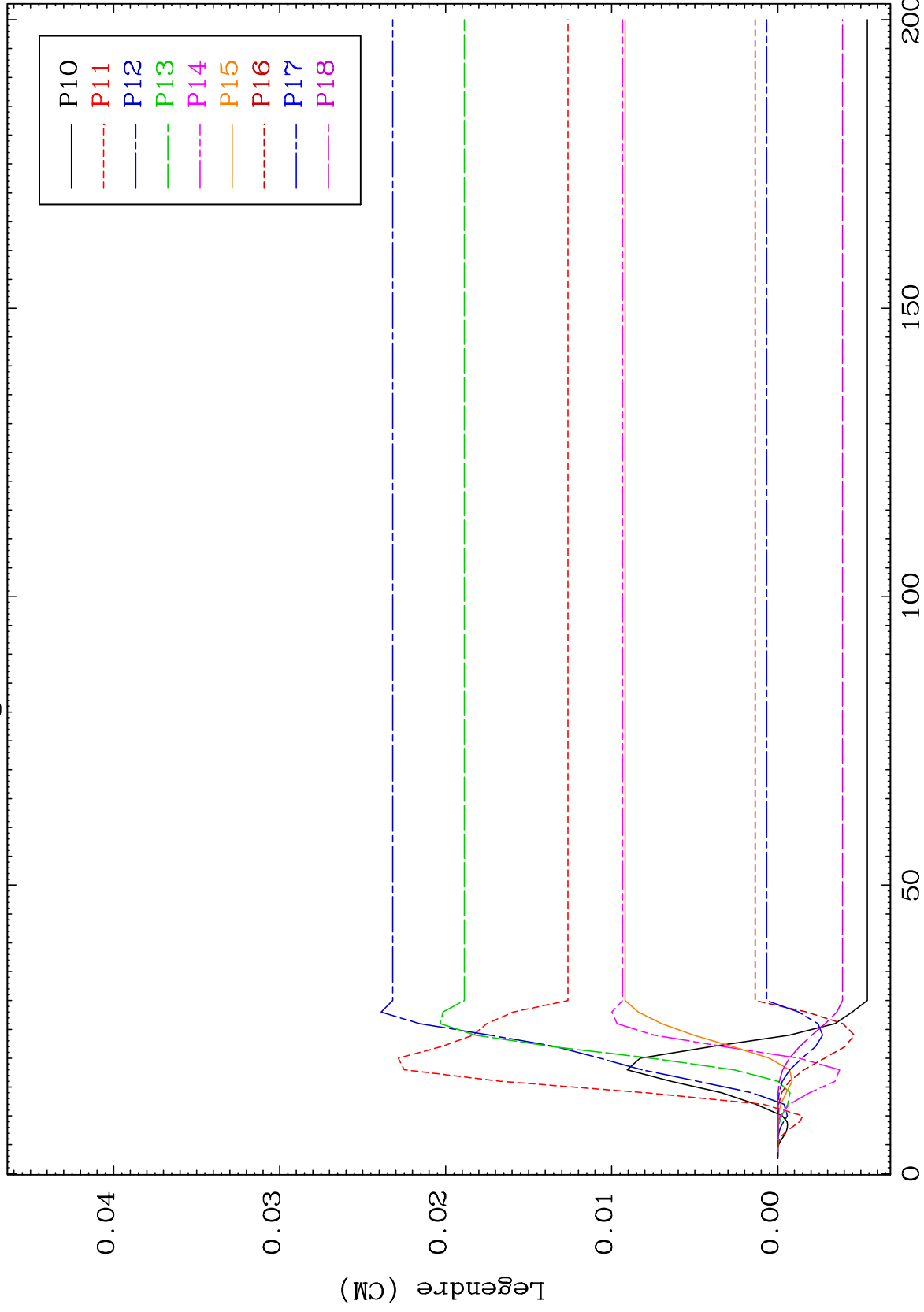
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



86

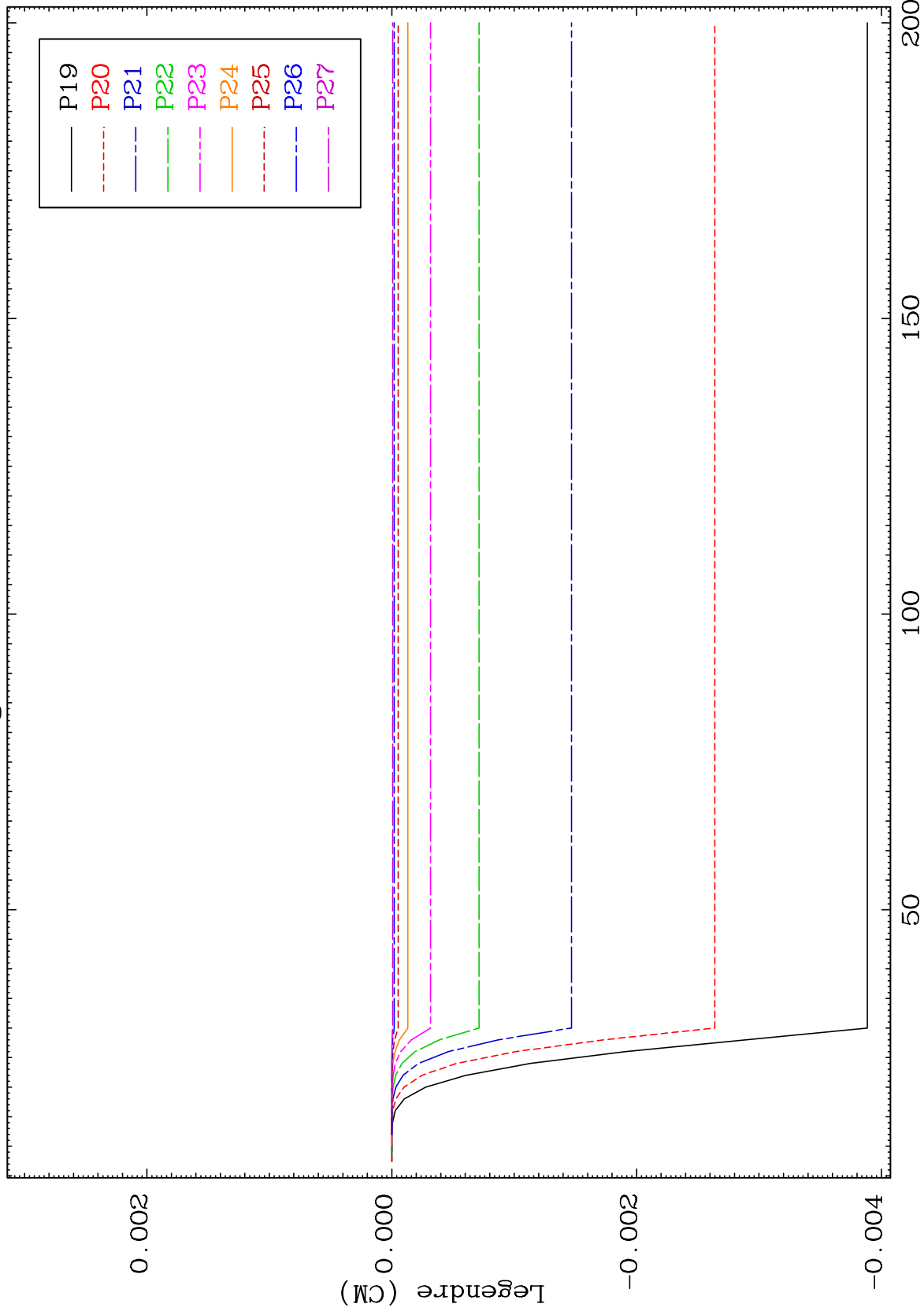
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



87

Incident Energy (MeV)

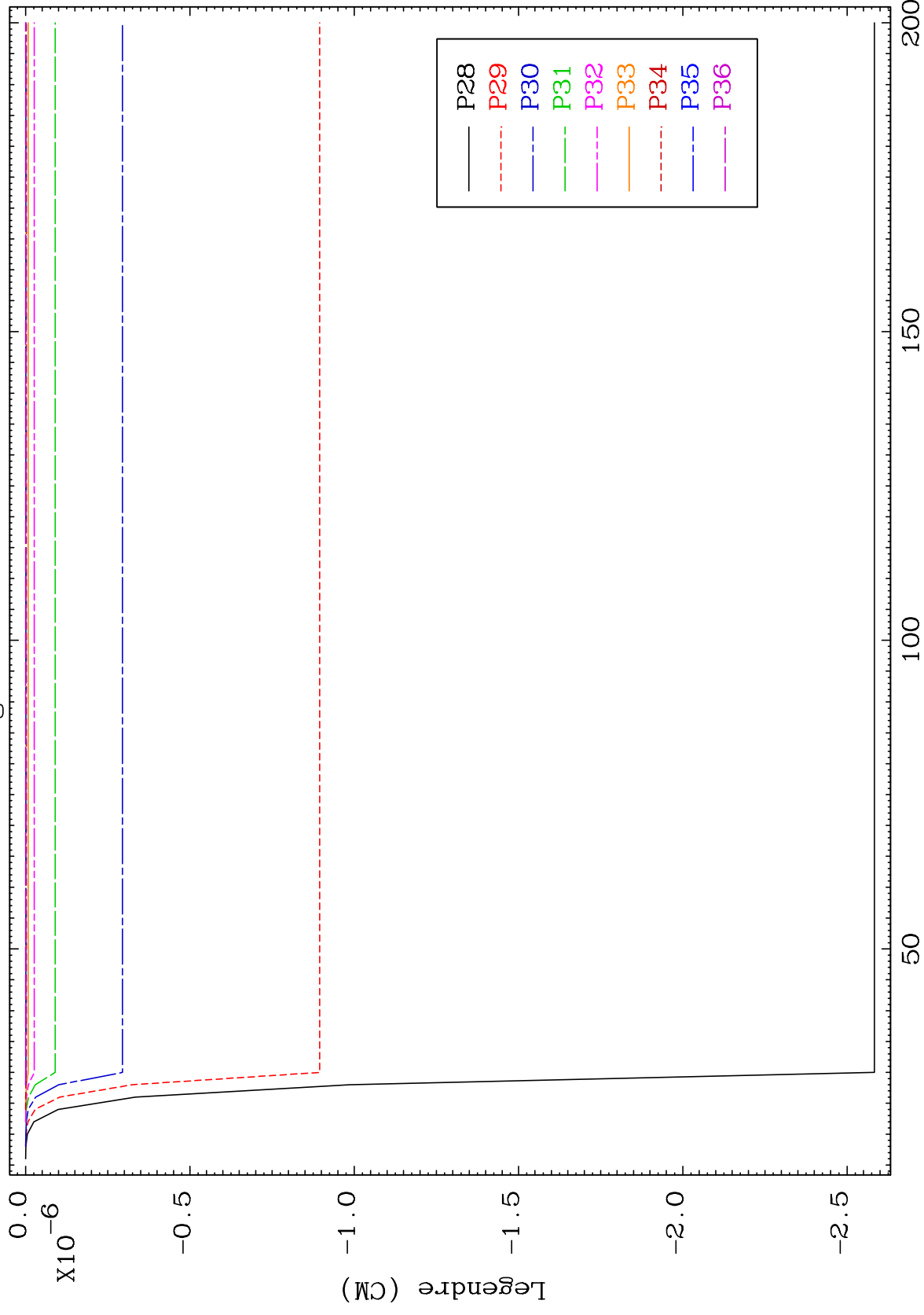
54-Xe-134



MAT 5455

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

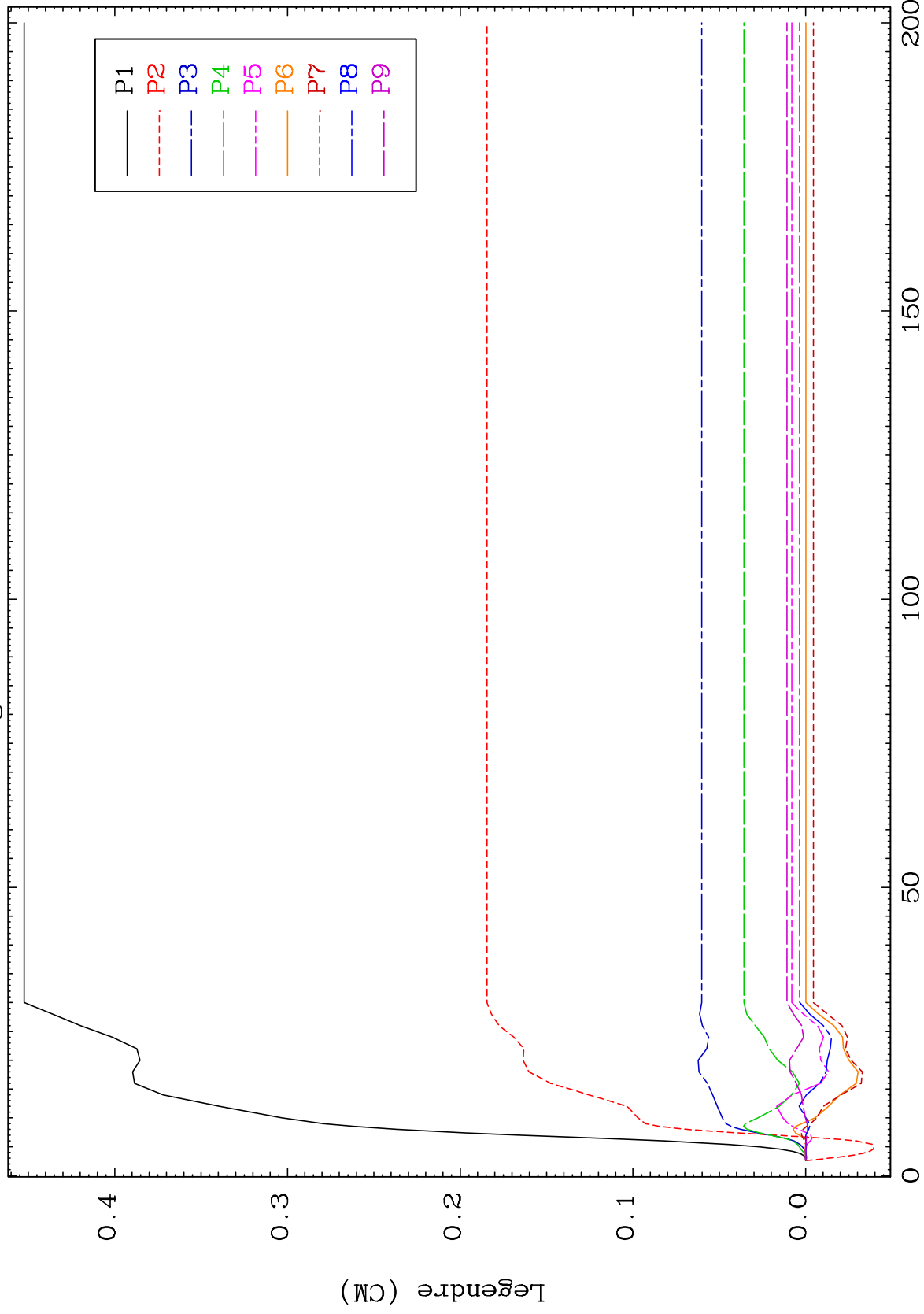
54-Xe-134



MAT 5455

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

54-Xe-134



89

Incident Energy (MeV)

54-Xe-134

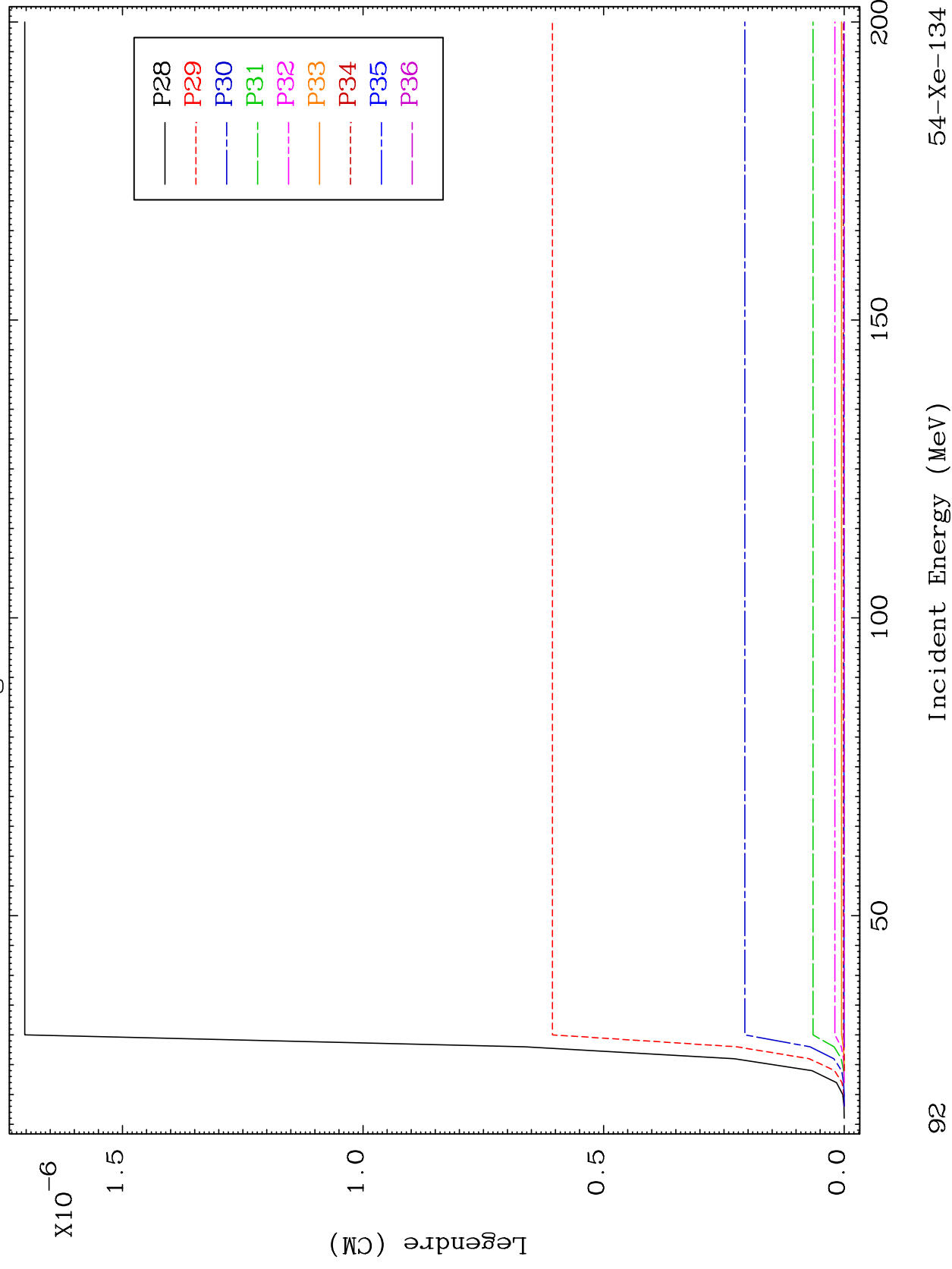




MAT 5455

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

54-Xe-134



92

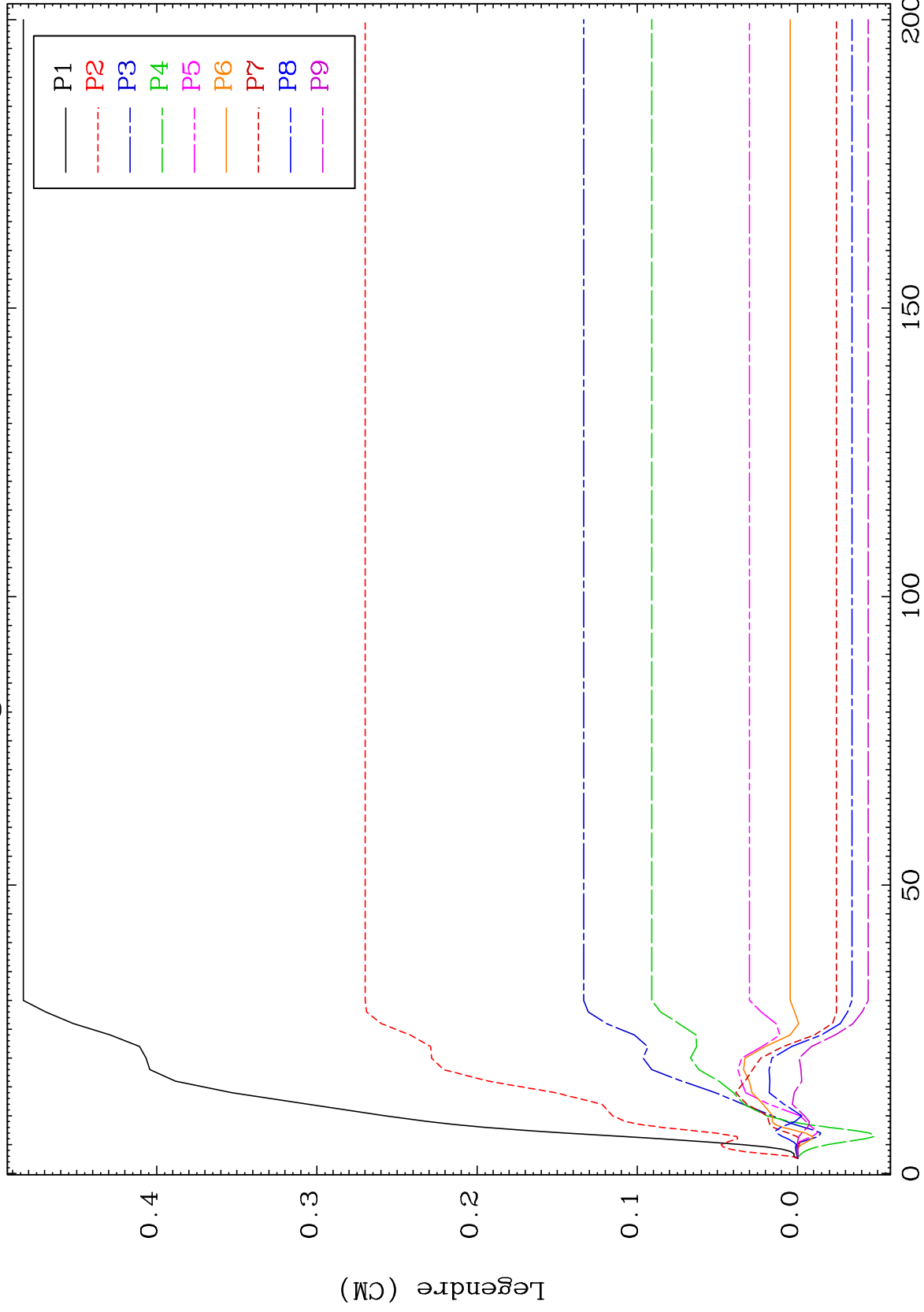
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



54-Xe-134

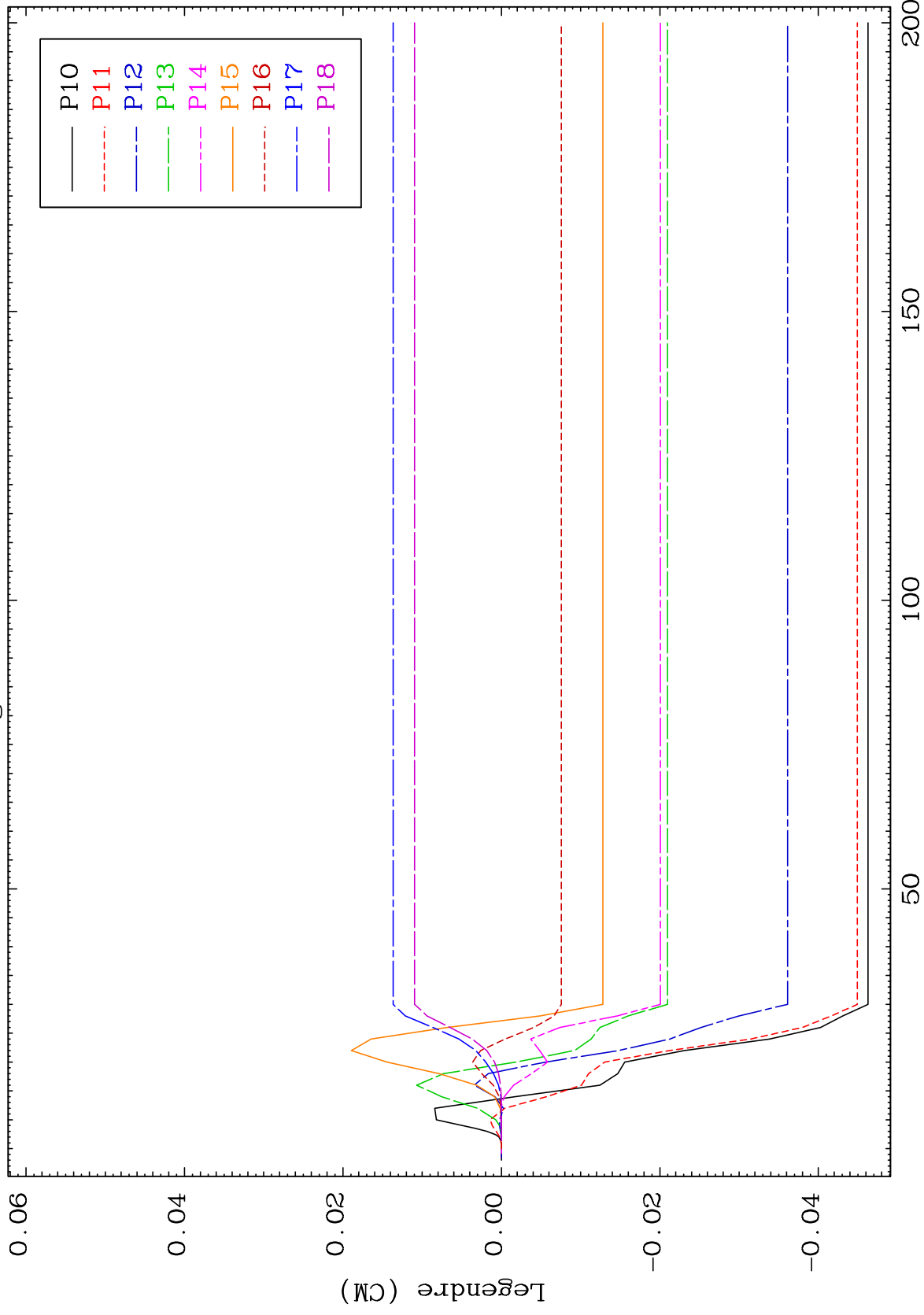
Incident Energy (MeV)

93

MAT 5455

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

54-Xe-134



94

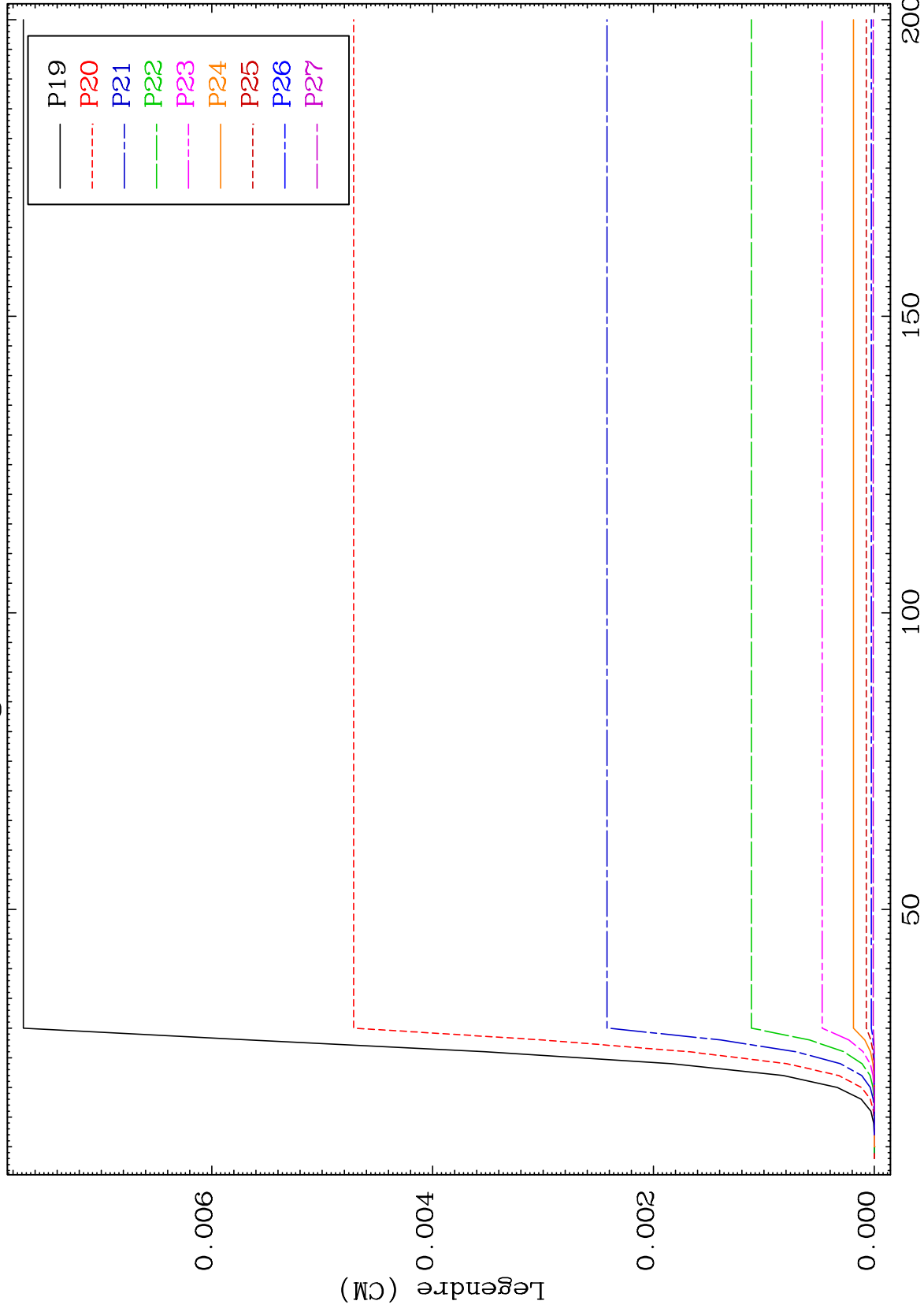
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



95

Incident Energy (MeV)

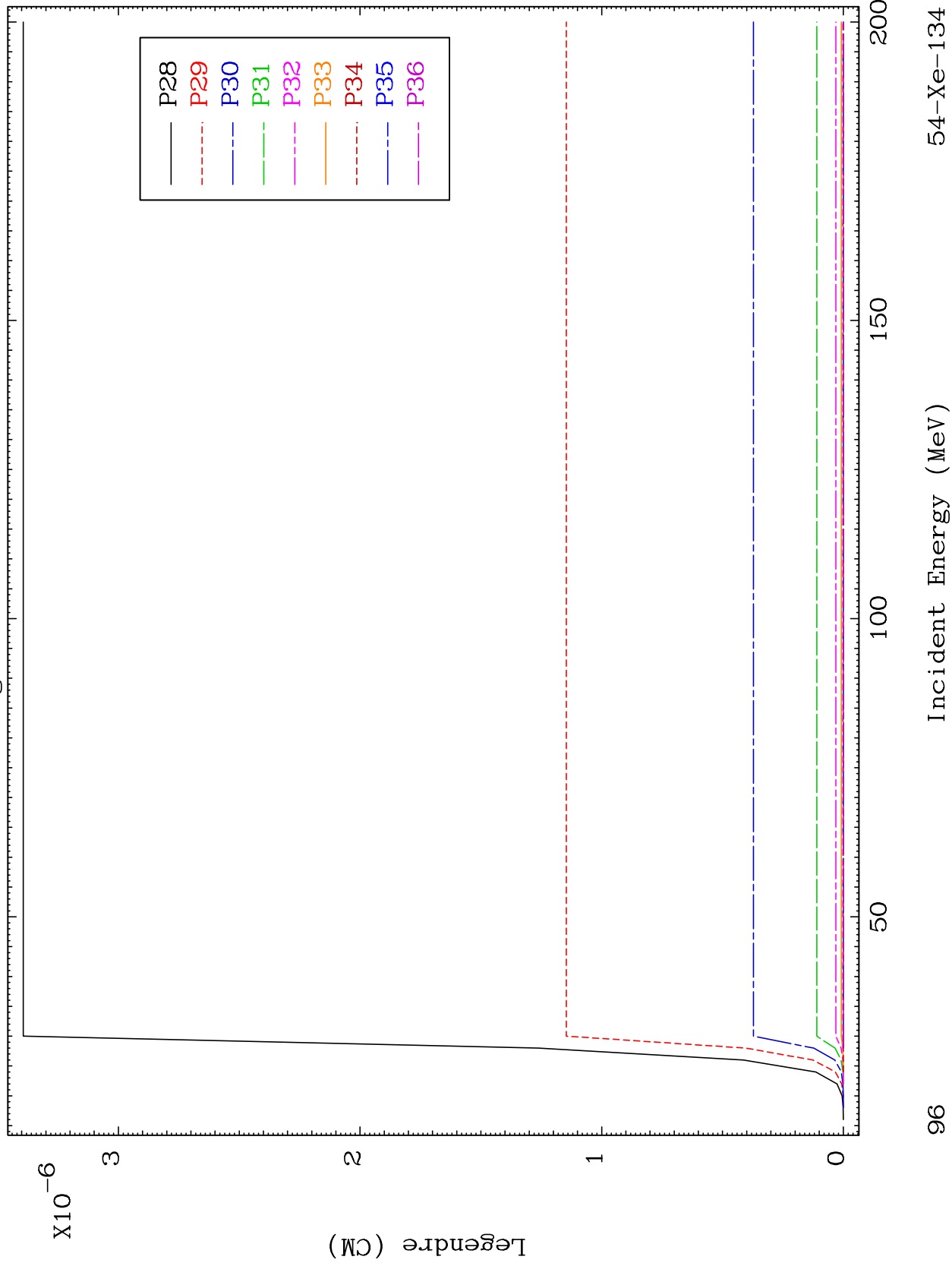
54-Xe-134



MAT 5455

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

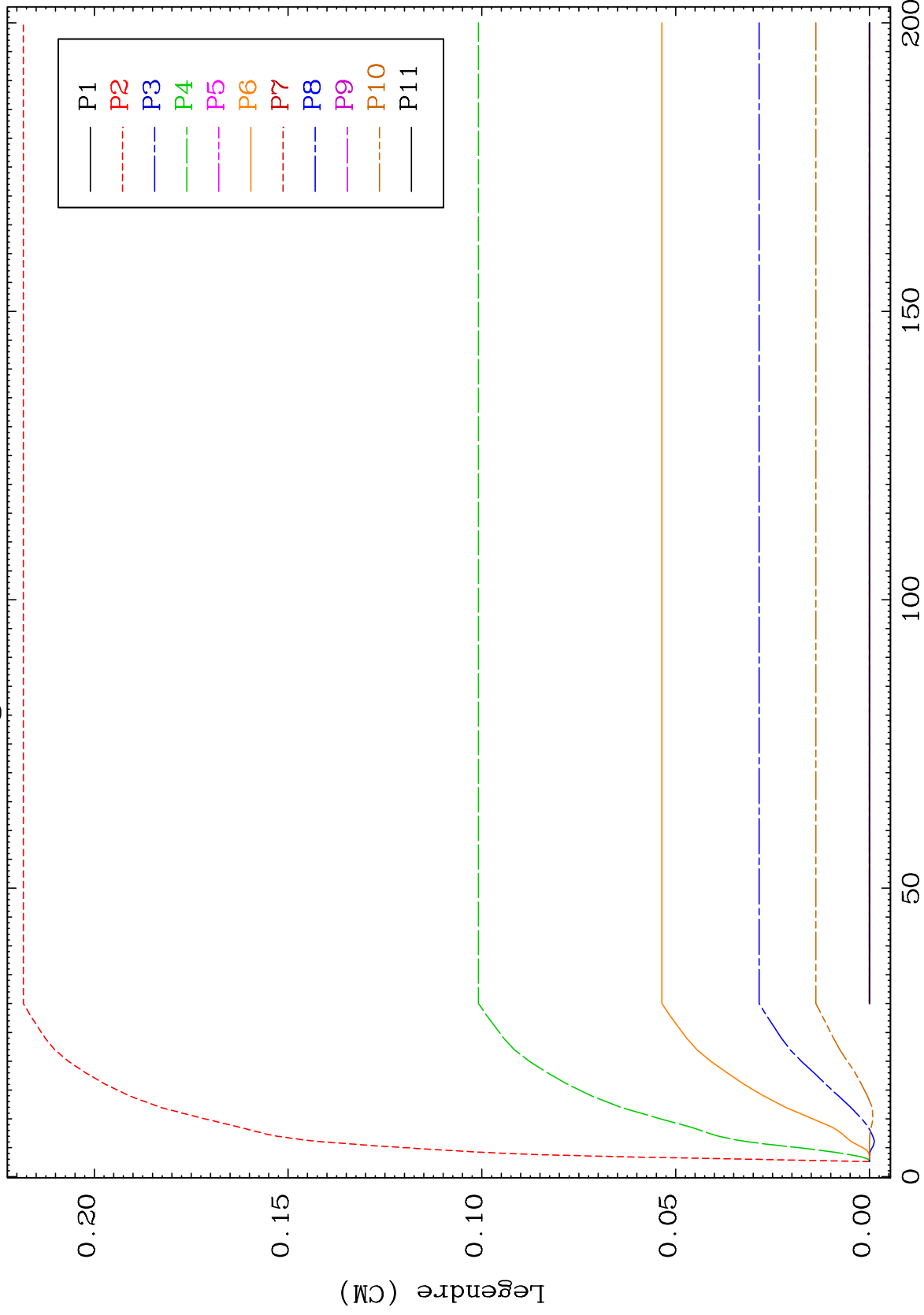
54-Xe-134



MAT 5455

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

54-Xe-134



97

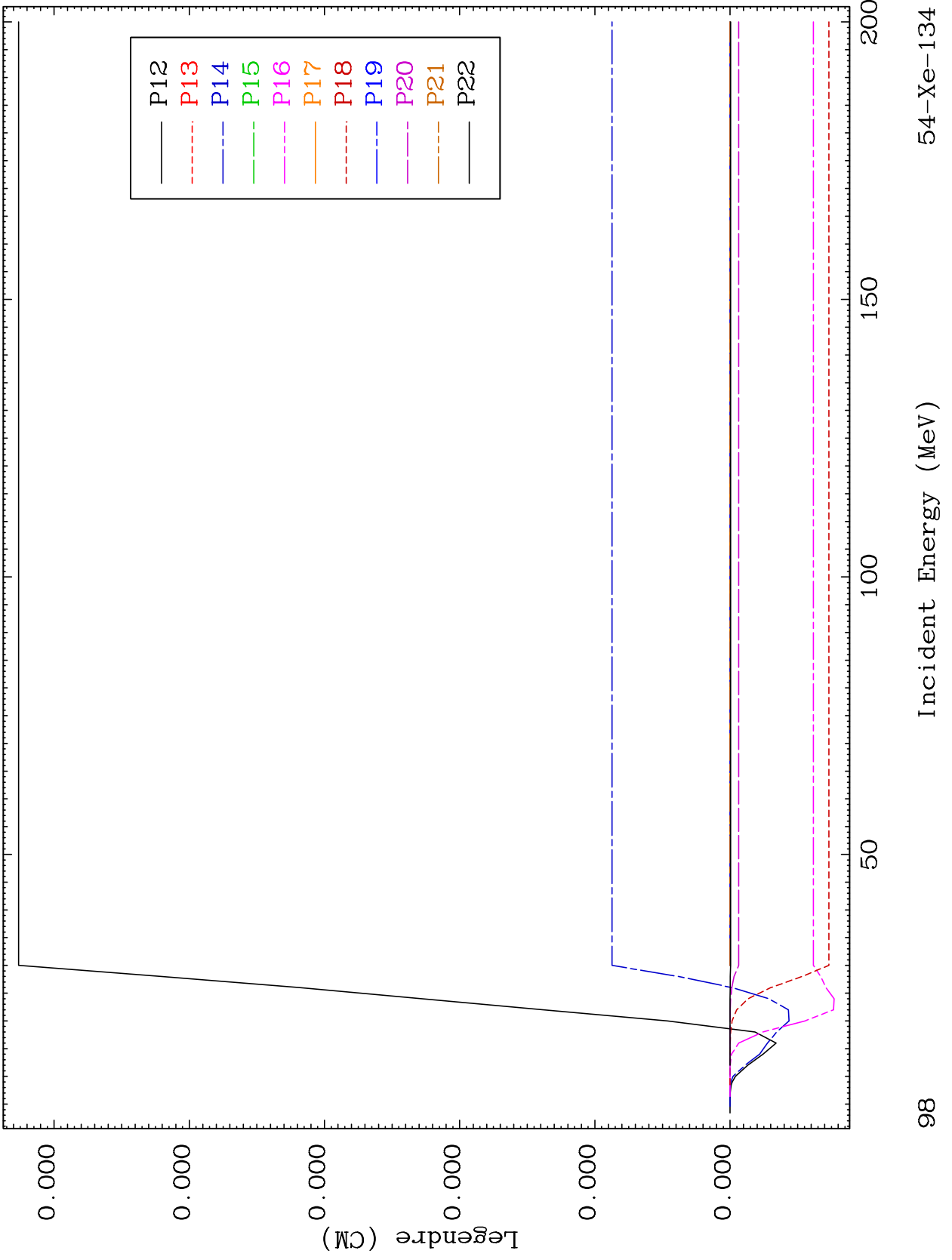
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

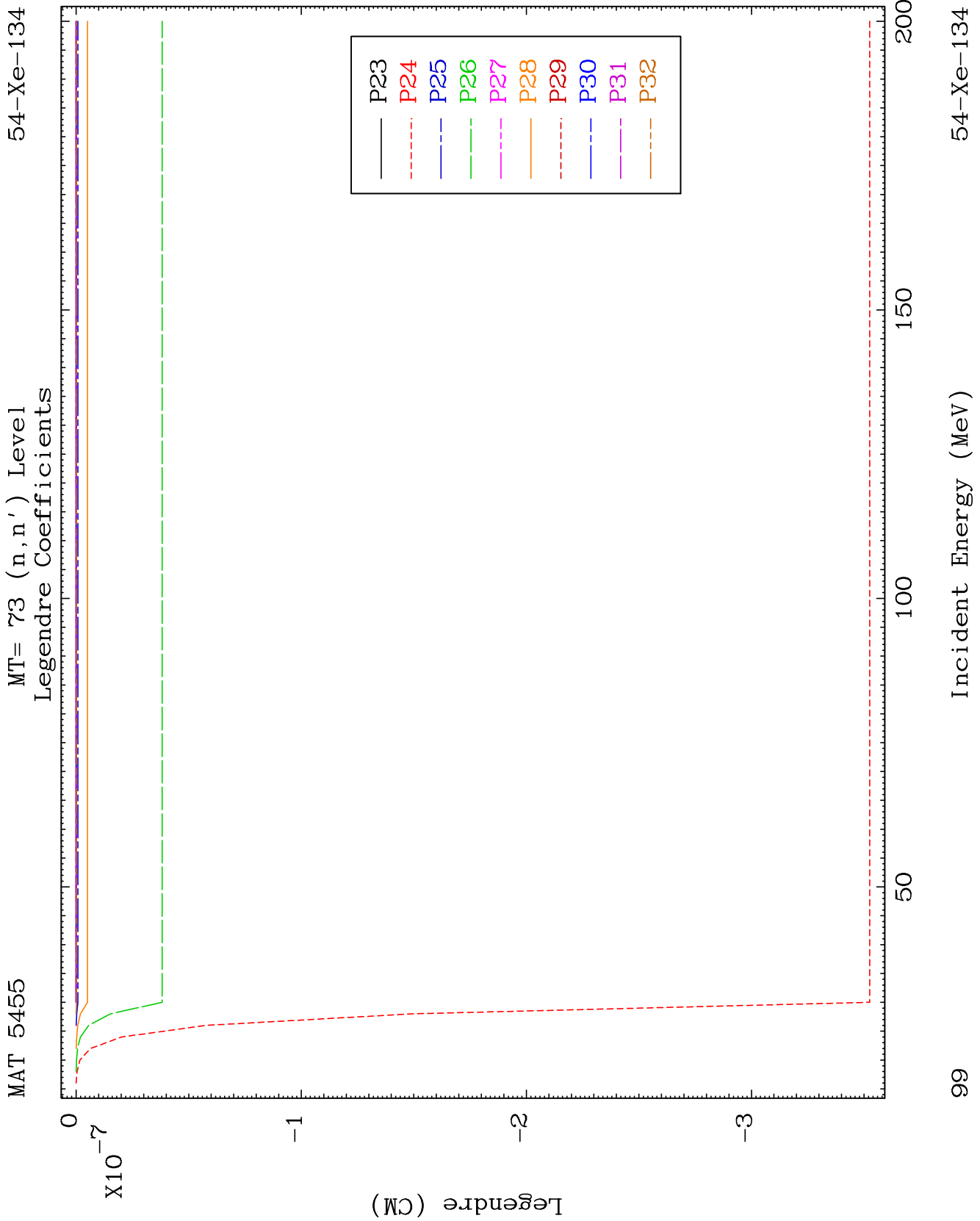
54-Xe-134



98

Incident Energy (MeV)

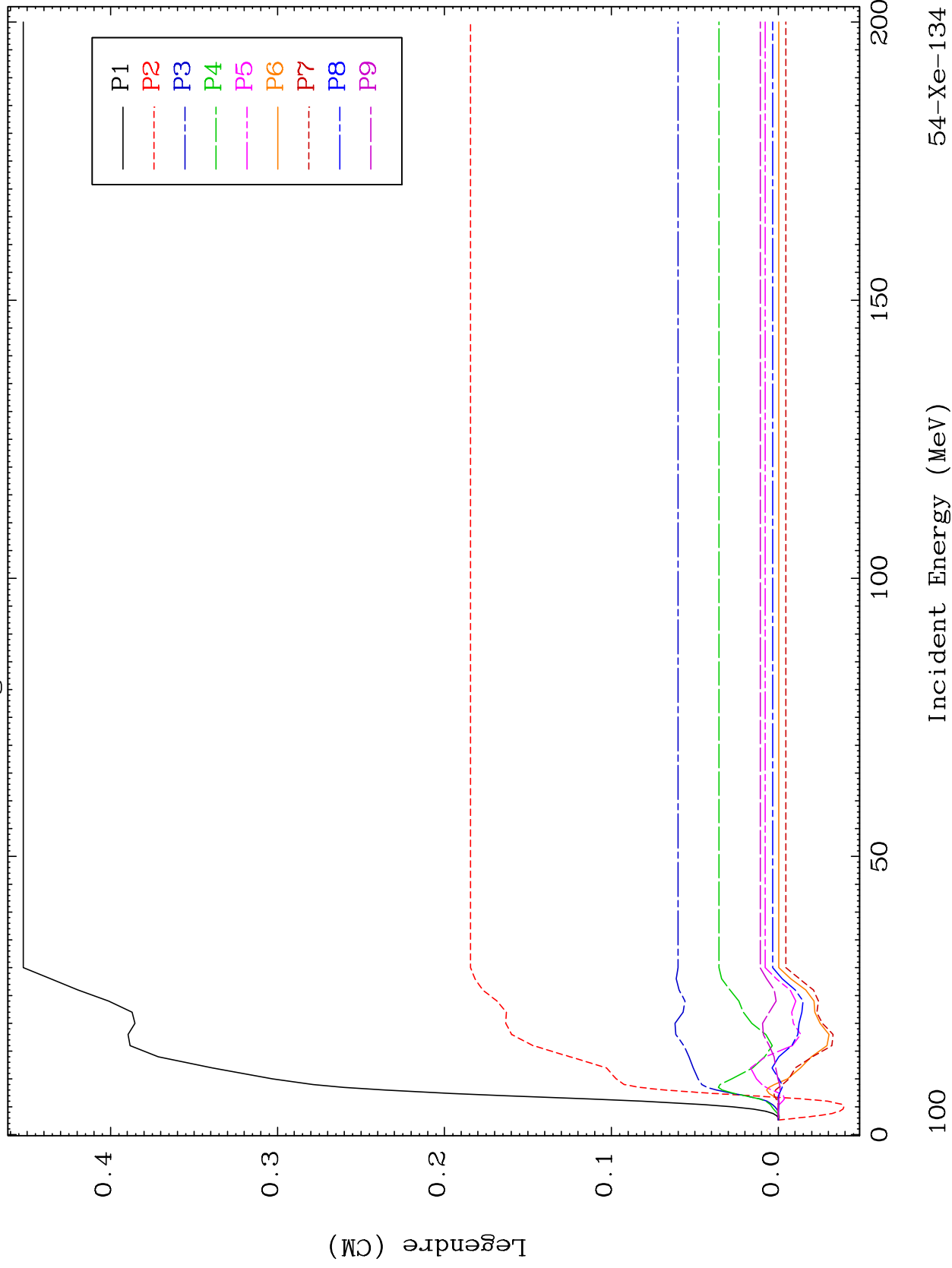
54-Xe-134



MAT 5455

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

54-Xe-134



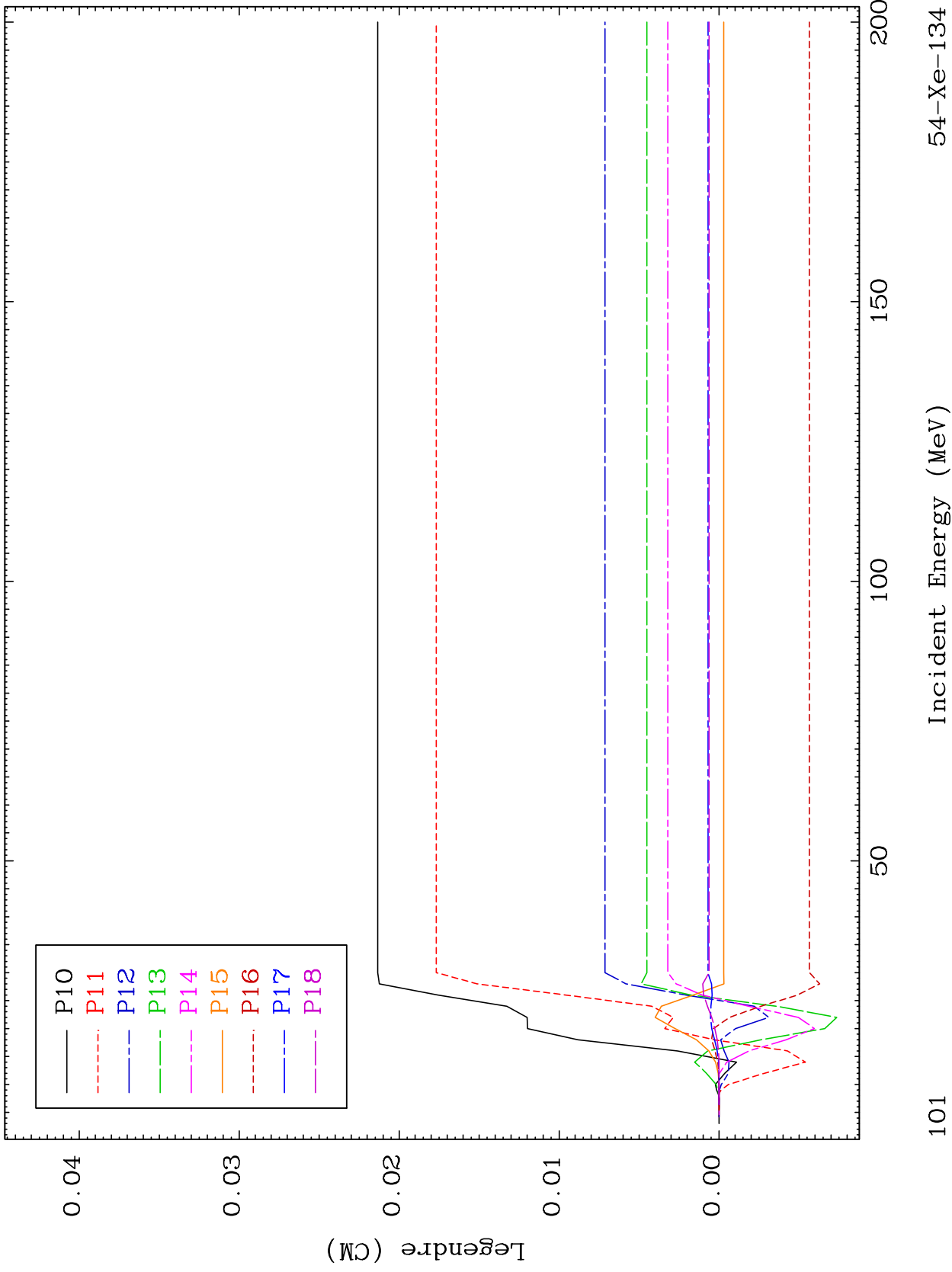
54-Xe-134

Incident Energy (MeV)

MAT 5455

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

54-Xe-134



101

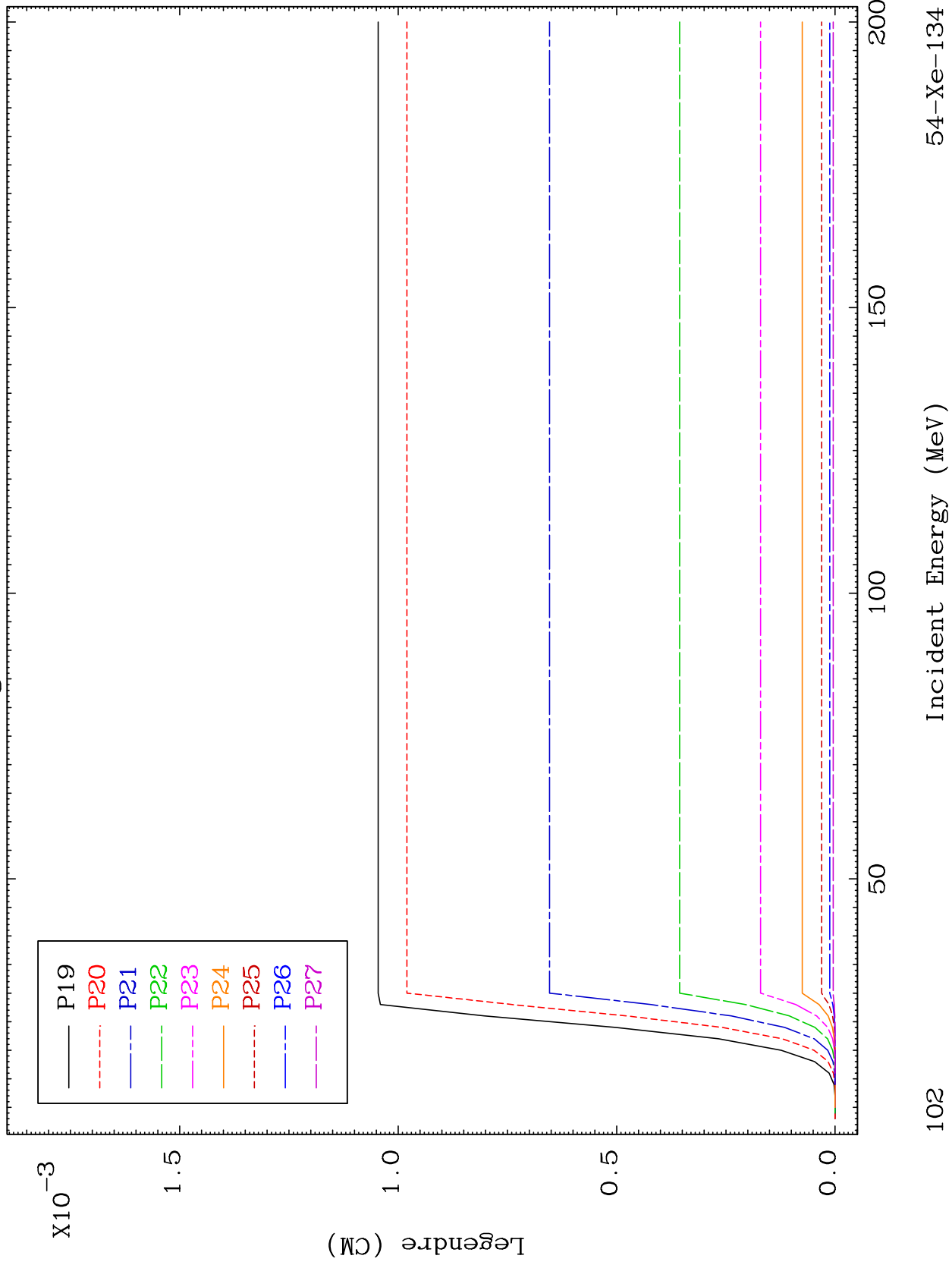
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134

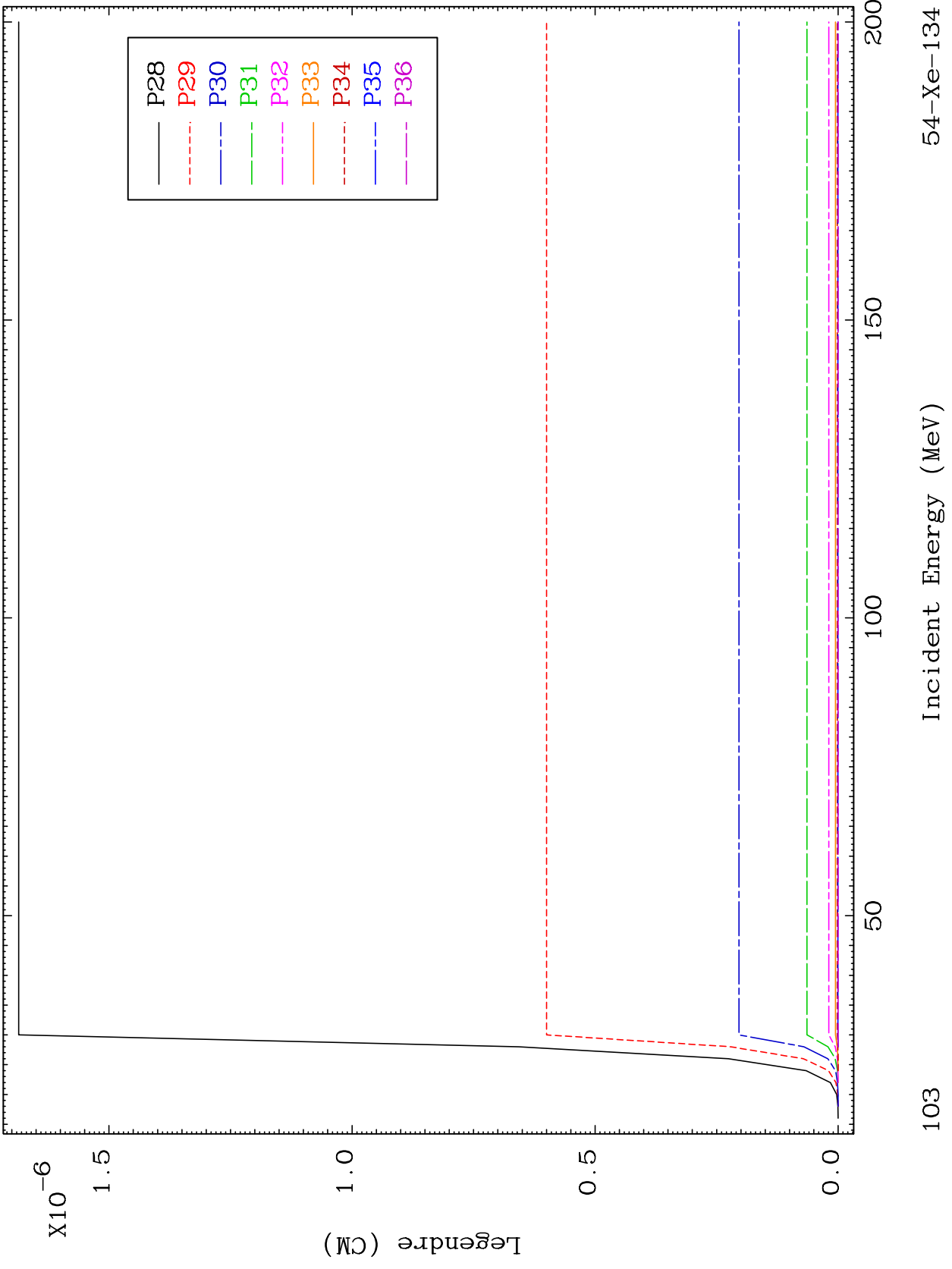


102

MAT 5455

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

54-Xe-134

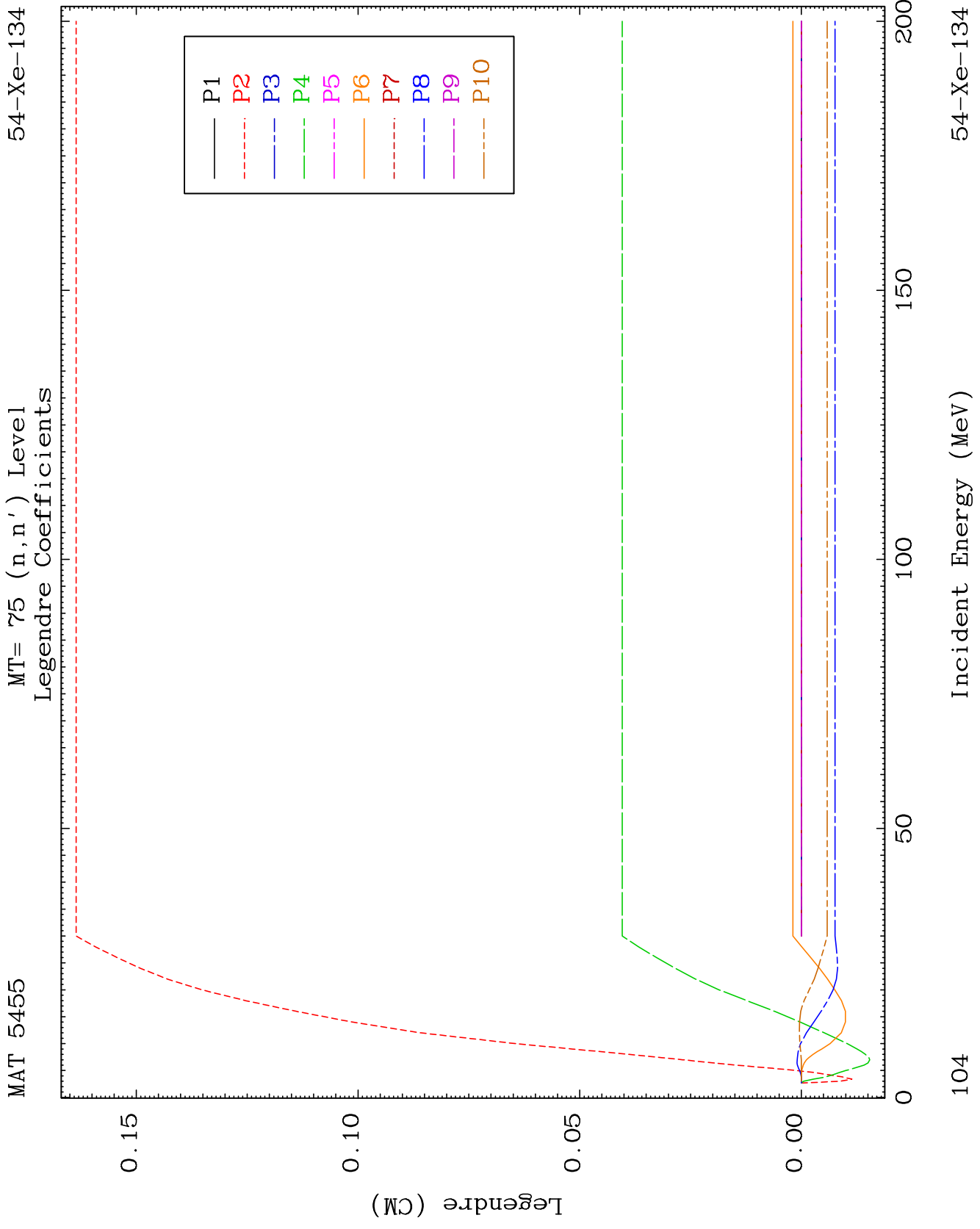


103

Incident Energy (MeV)

54-Xe-134

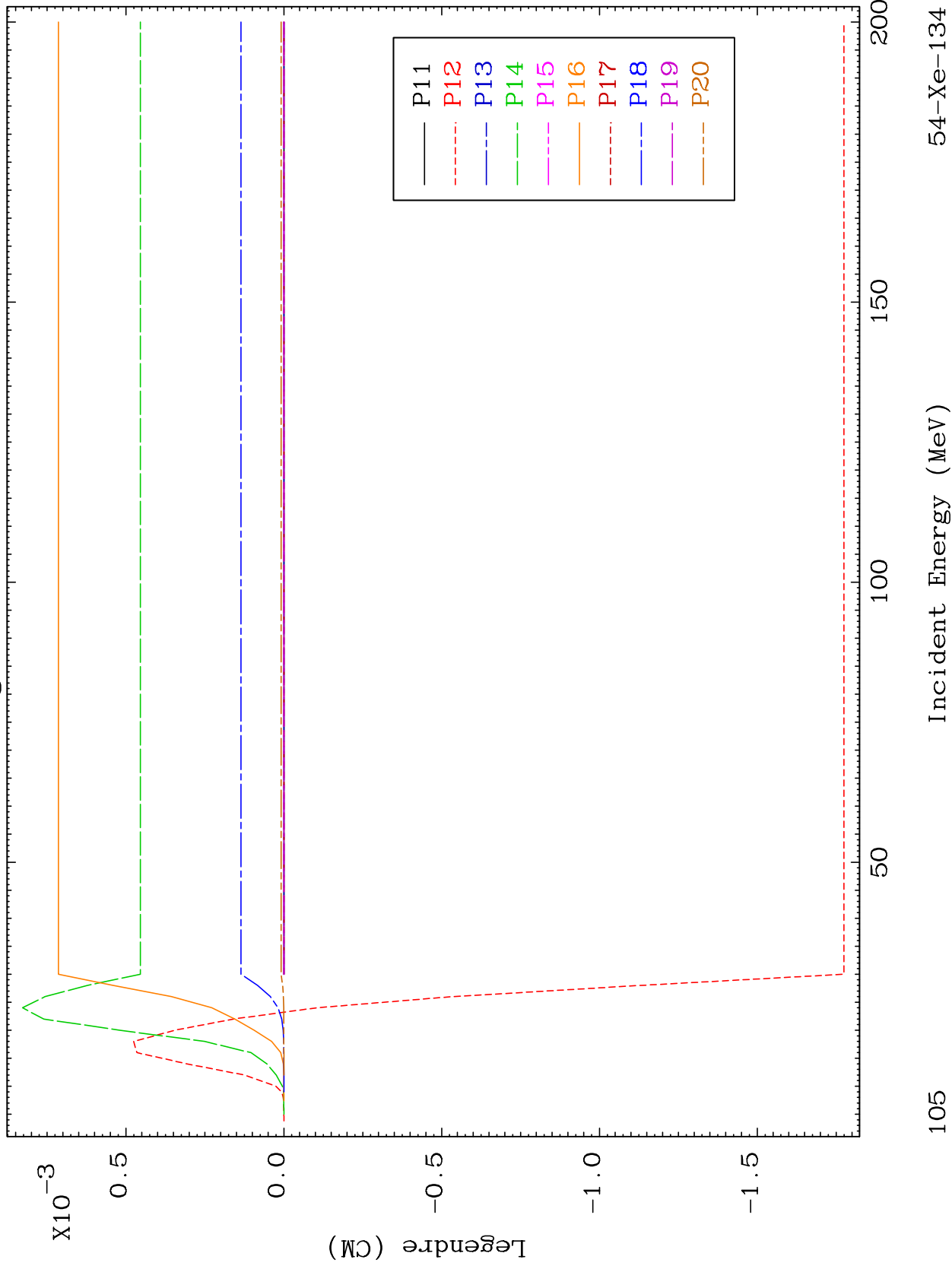




MAT 5455

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

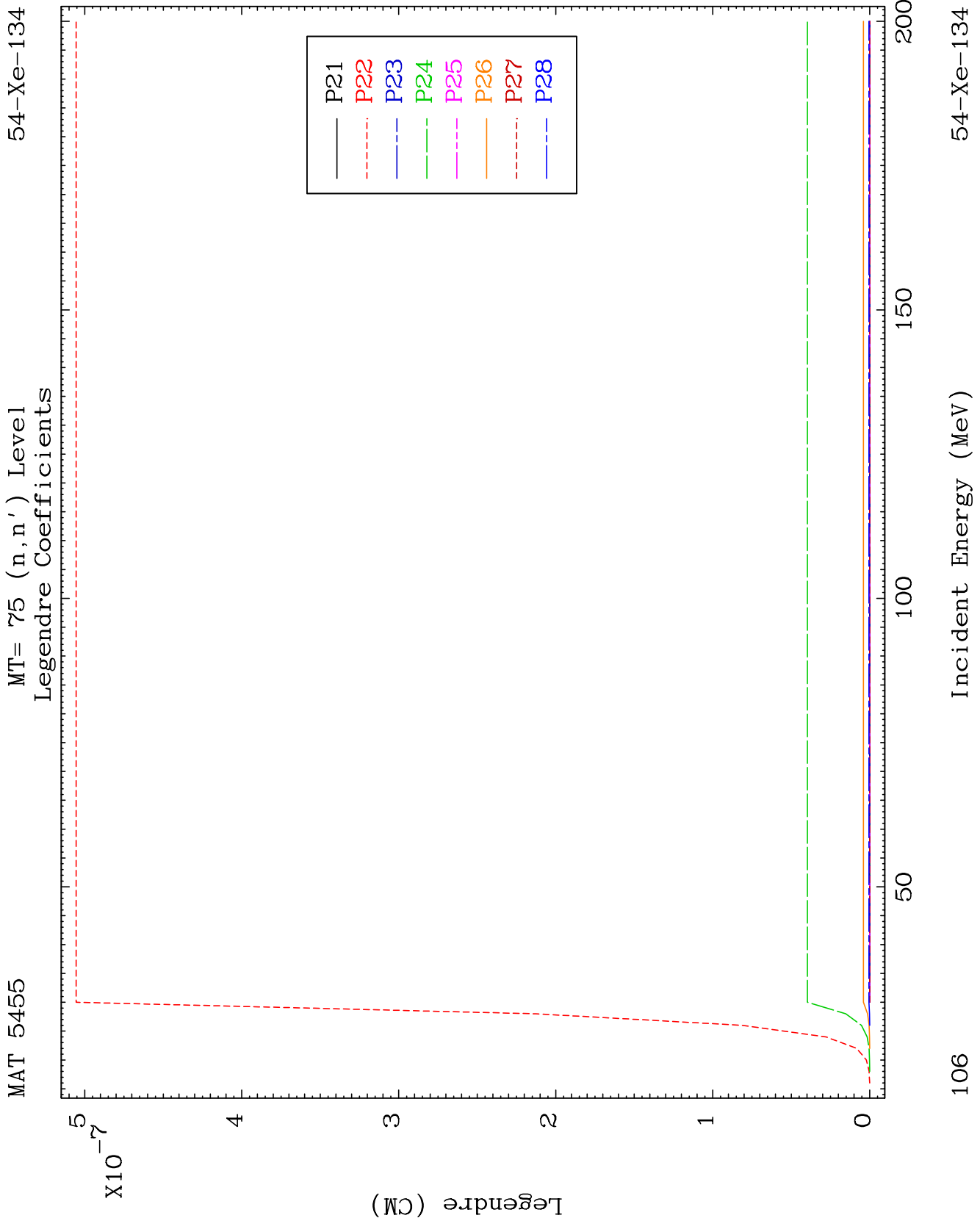
54-Xe-134



105

Incident Energy (MeV)

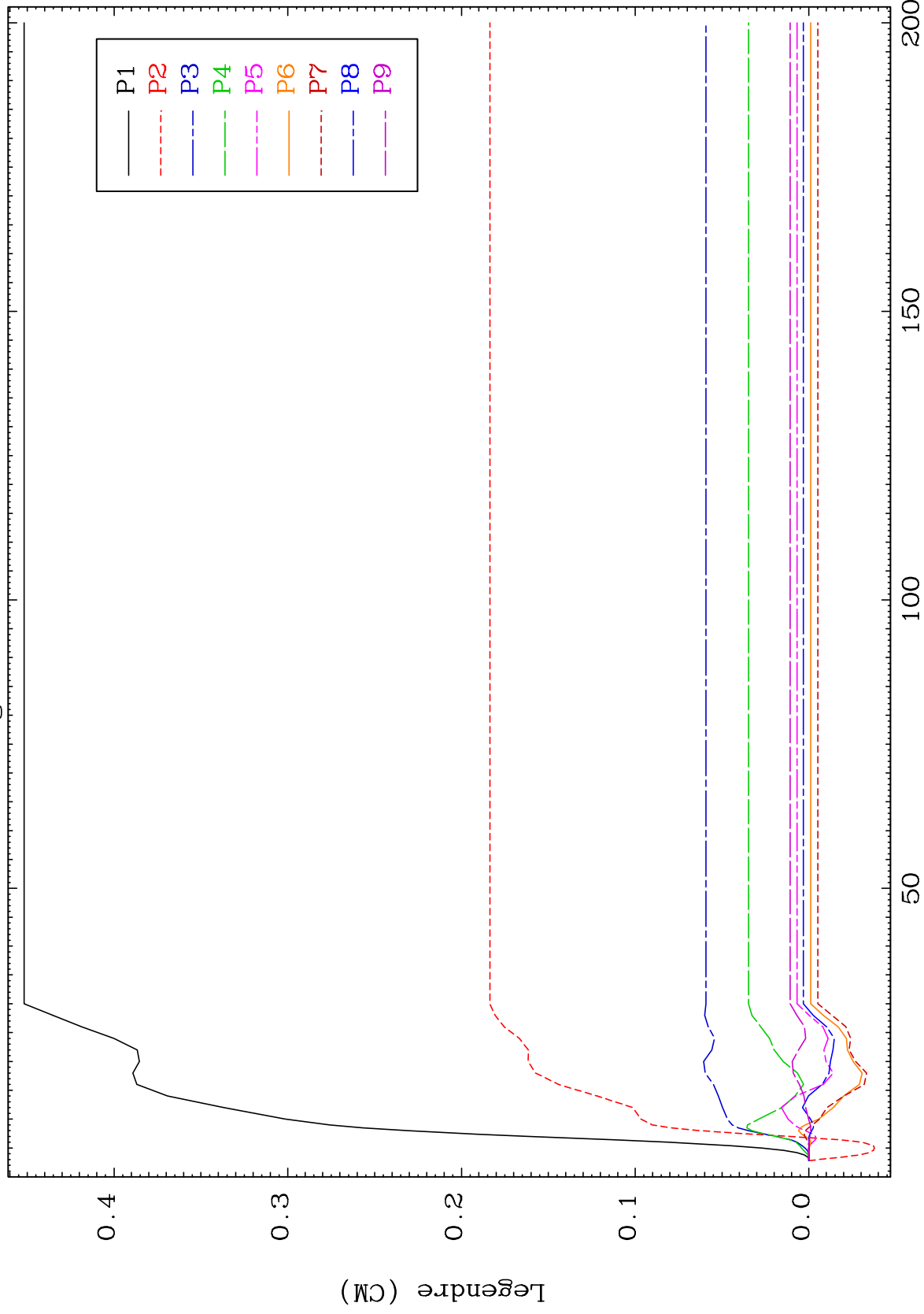
54-Xe-134



MAT 5455

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

54-Xe-134



107

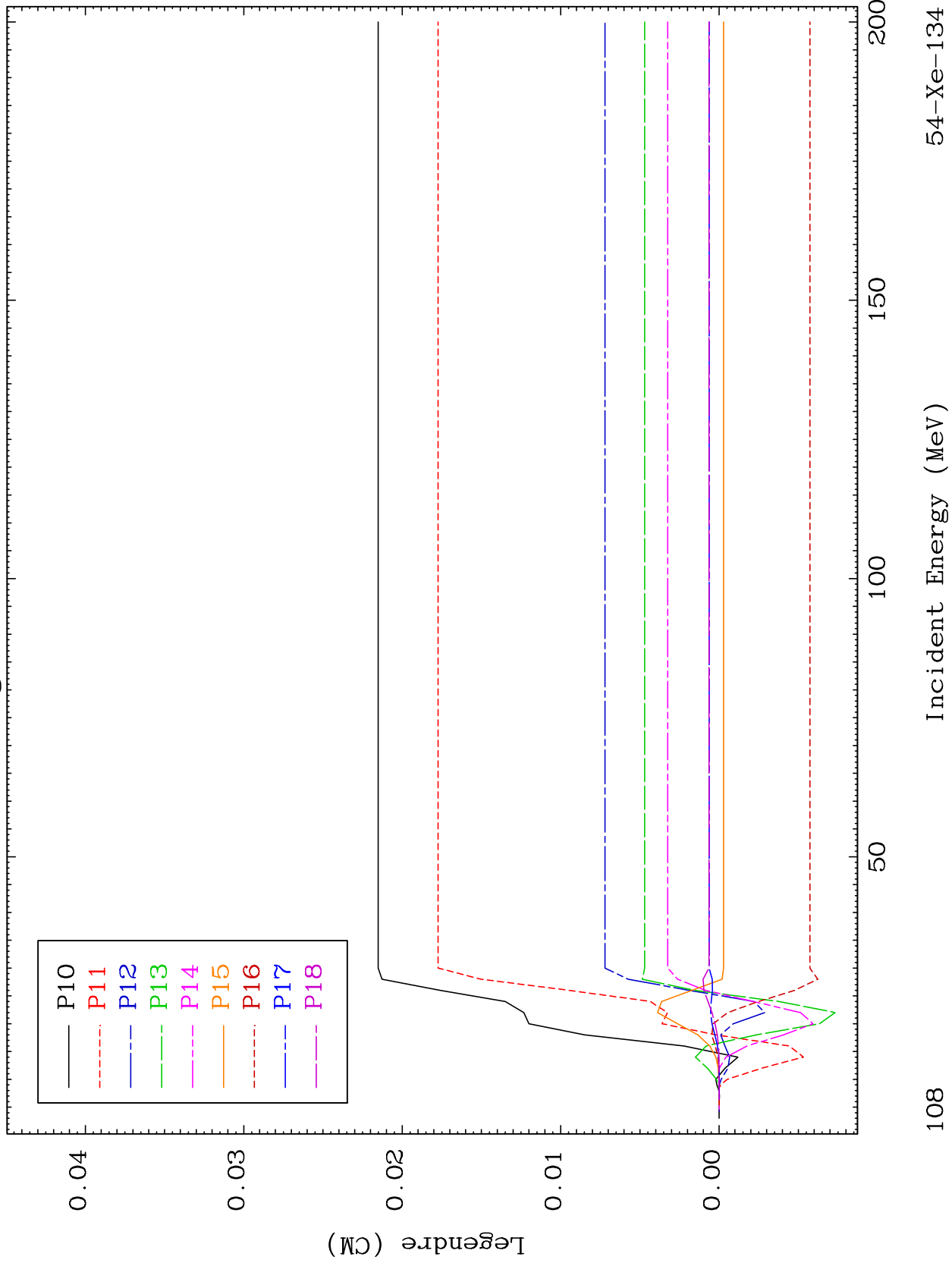
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



54-Xe-134

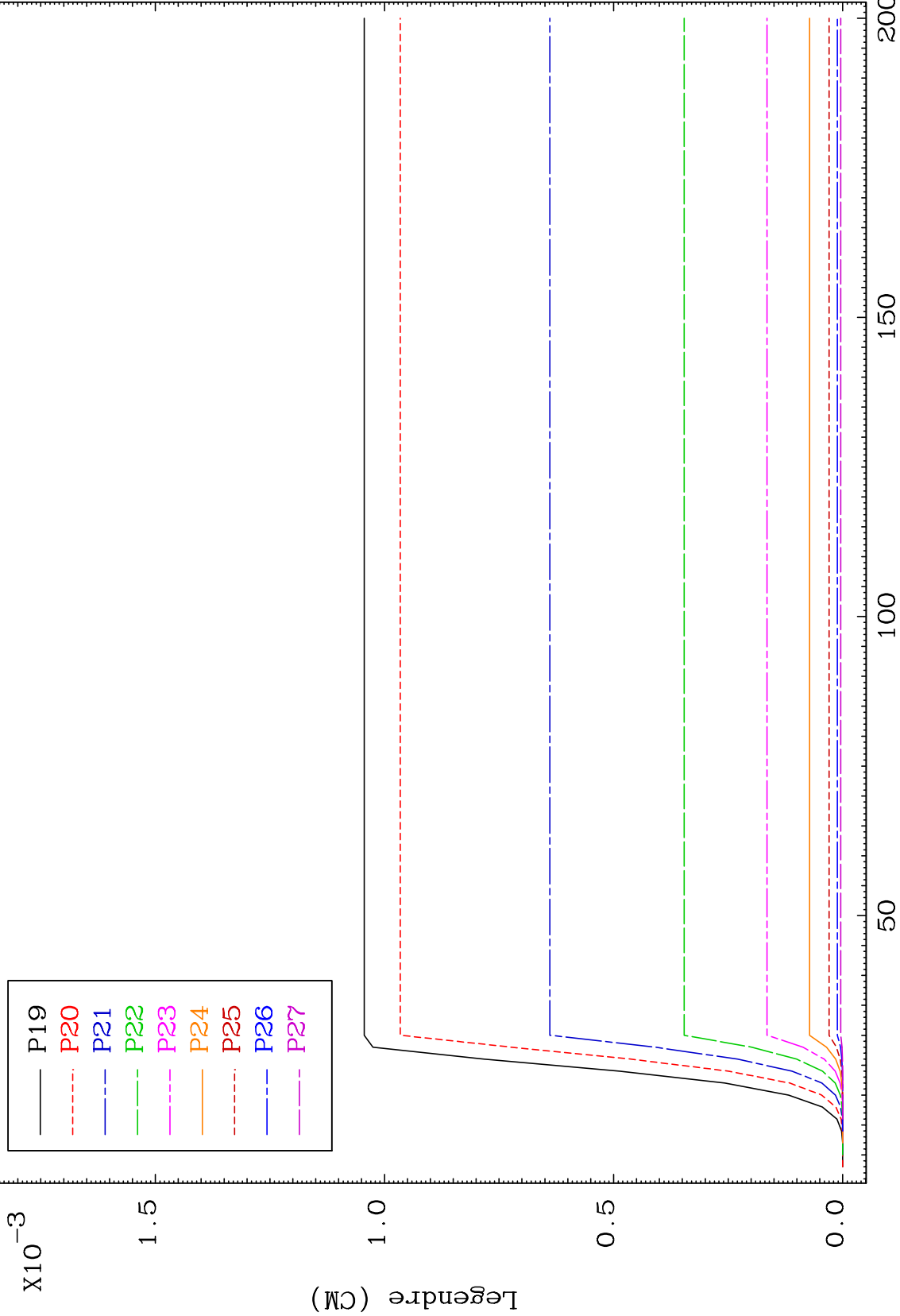
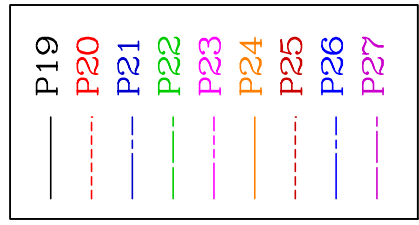
Incident Energy (MeV)

108

MAT 5455

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

54-Xe-134



109

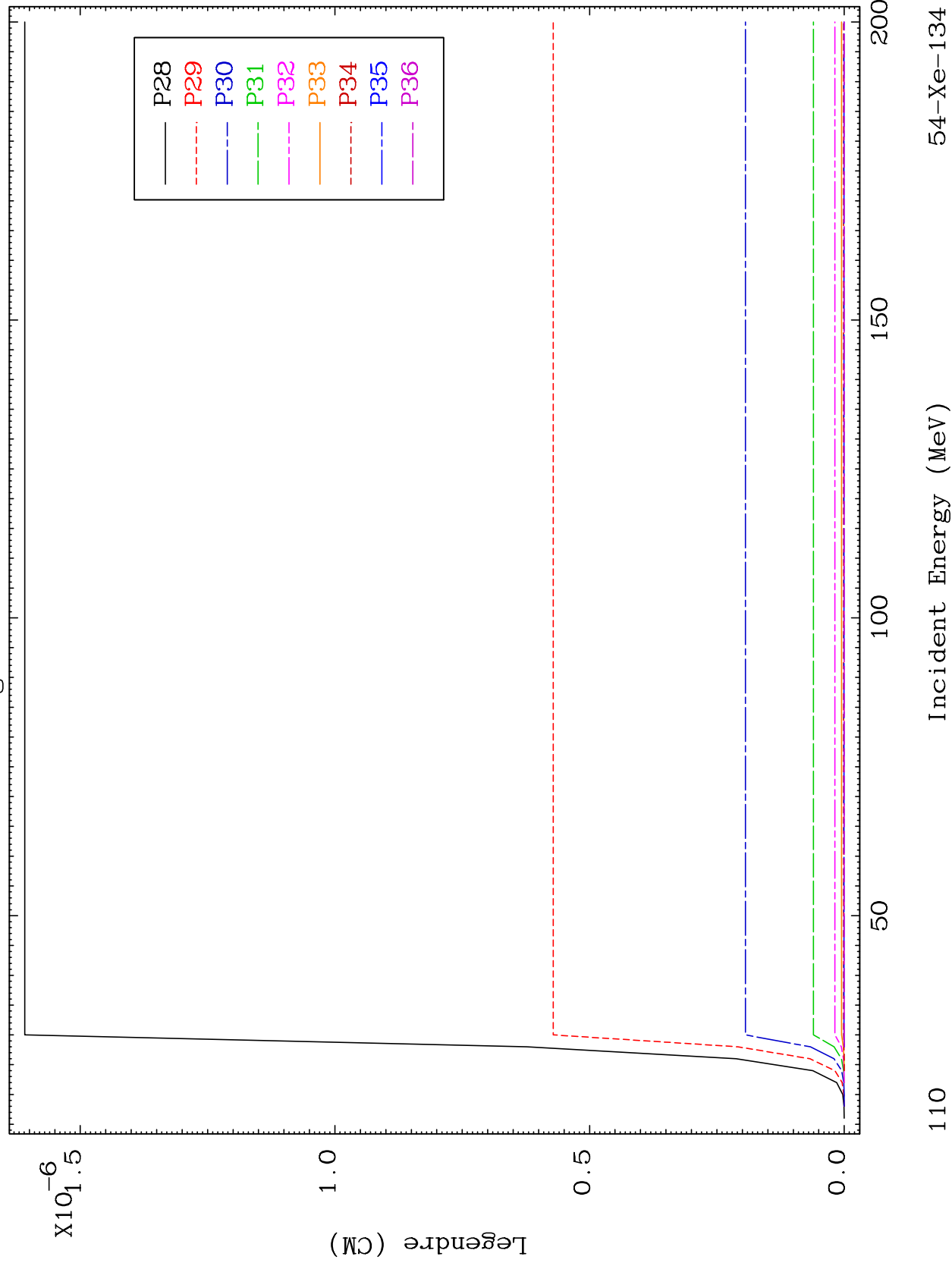
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

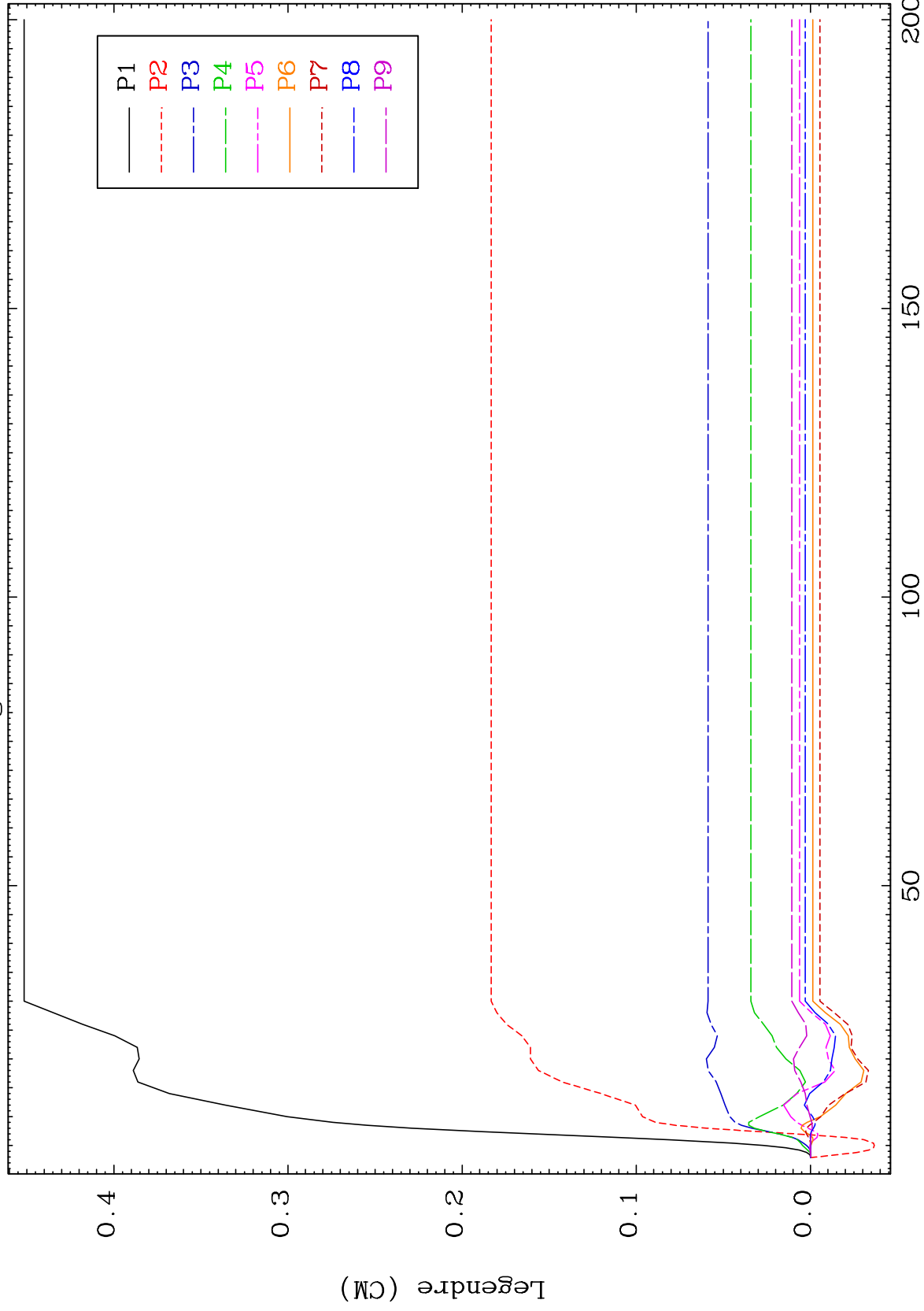
54-Xe-134



MAT 5455

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

54-Xe-134



111

Incident Energy (MeV)

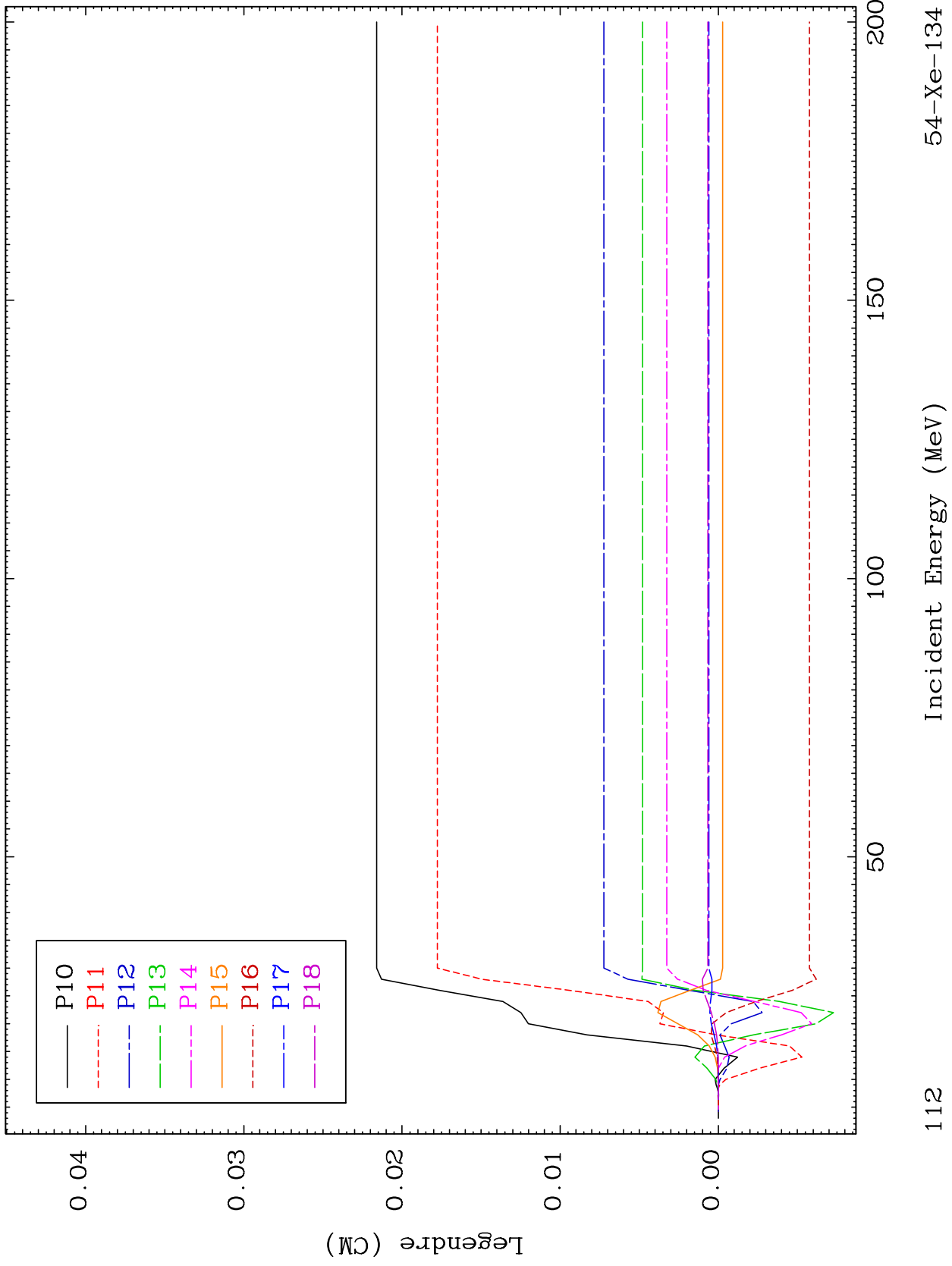
54-Xe-134



MAT 5455

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

54-Xe-134



112

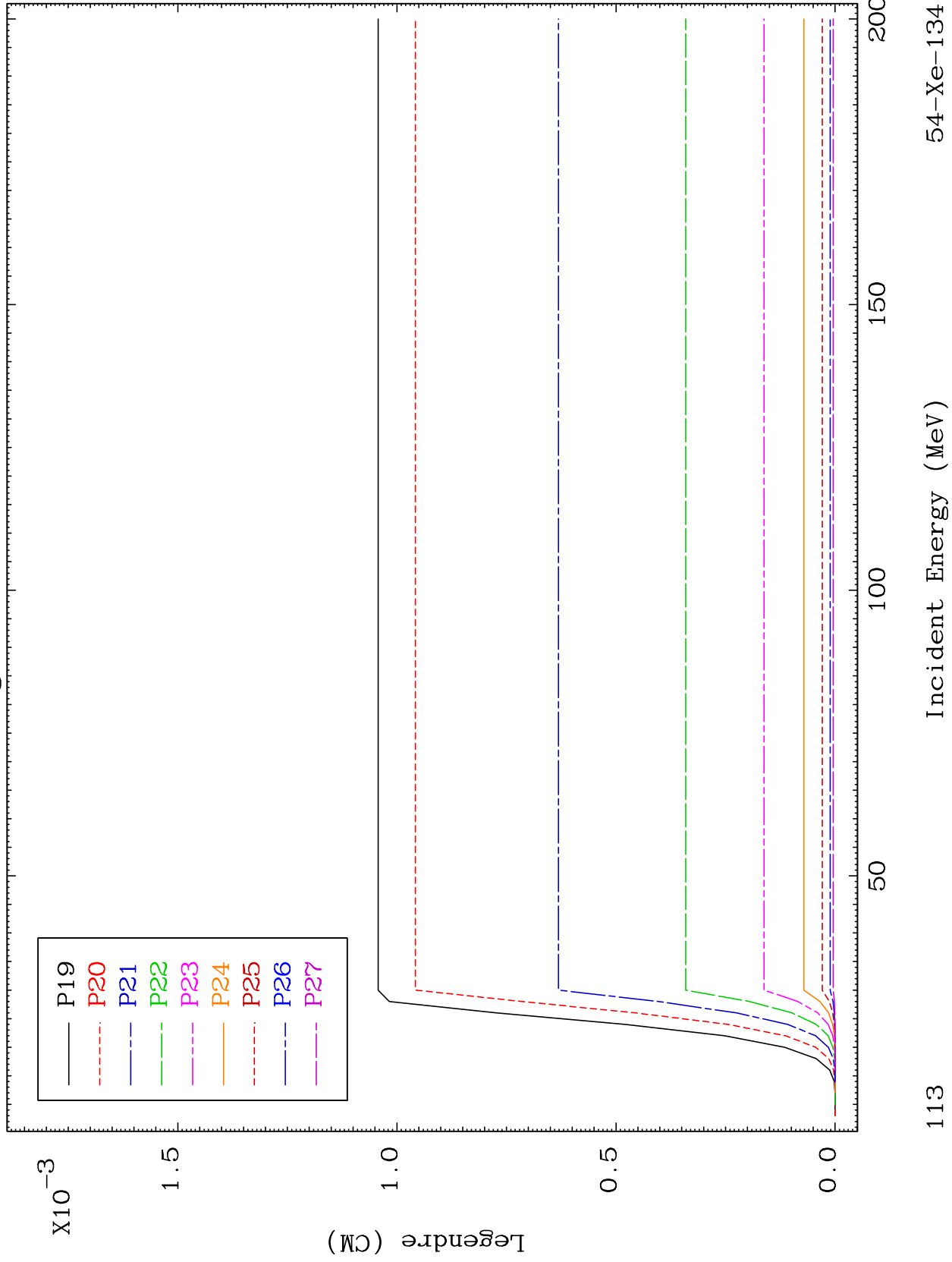
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

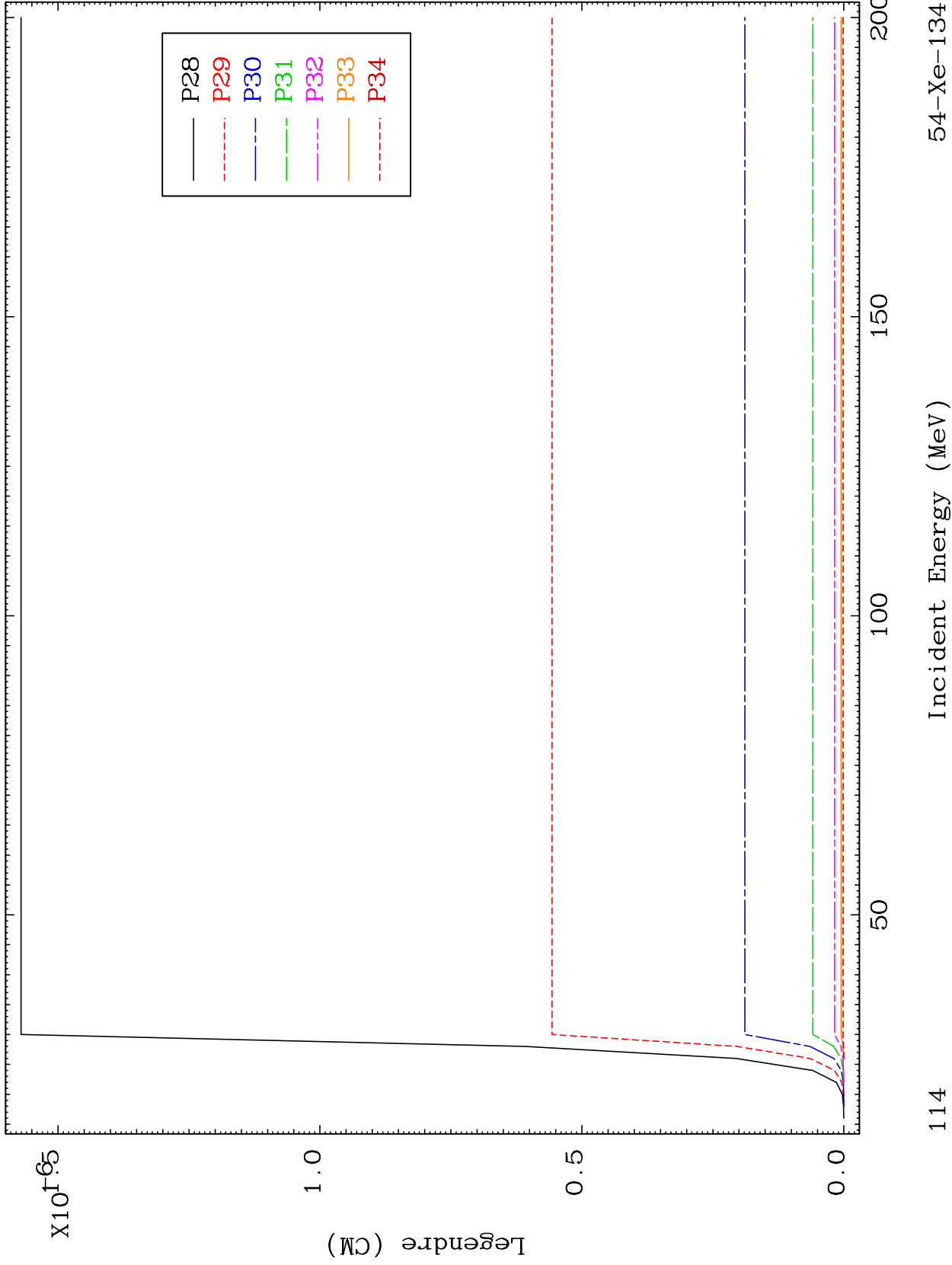
54-Xe-134



MAT 5455

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

54-Xe-134



114

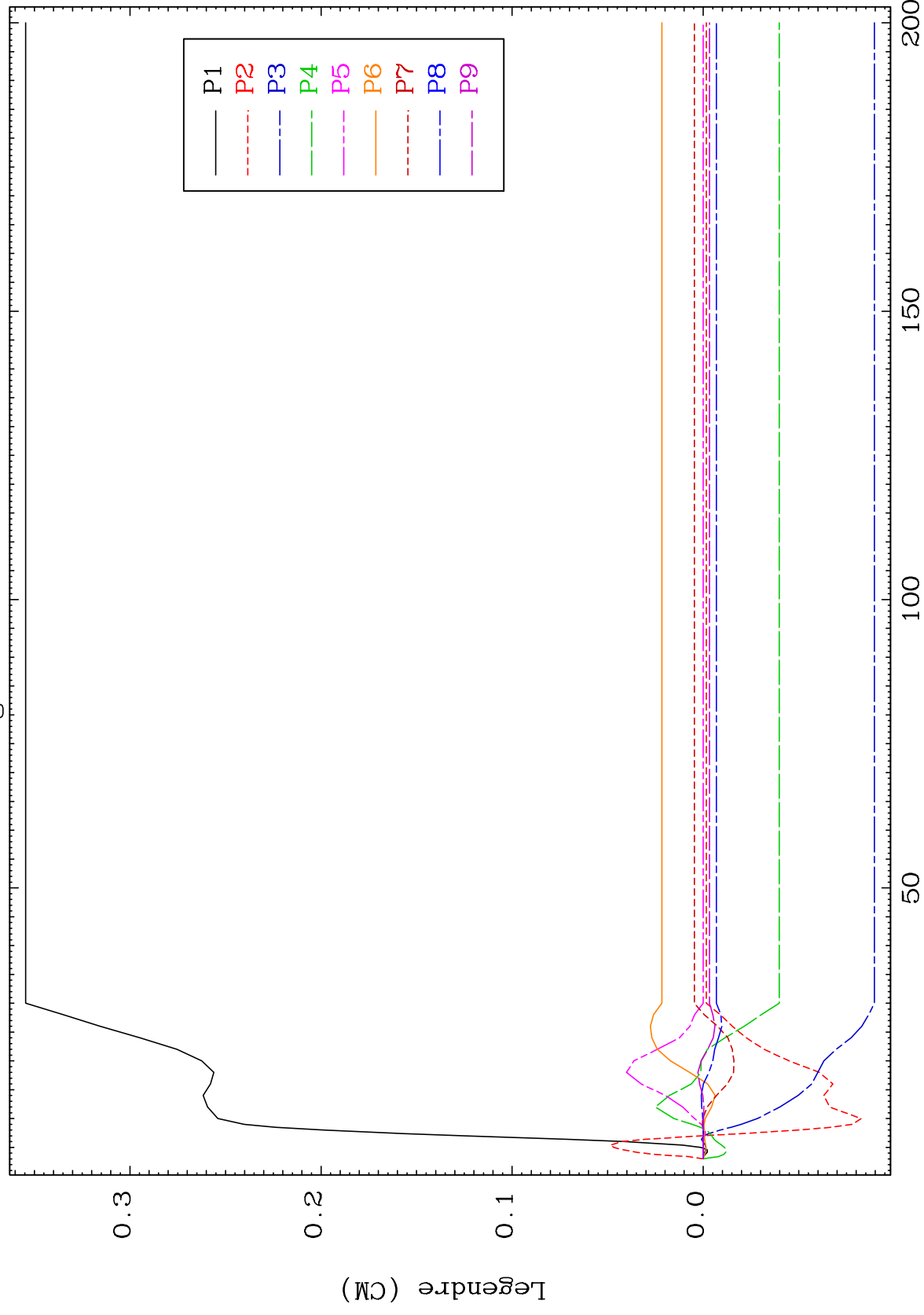
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

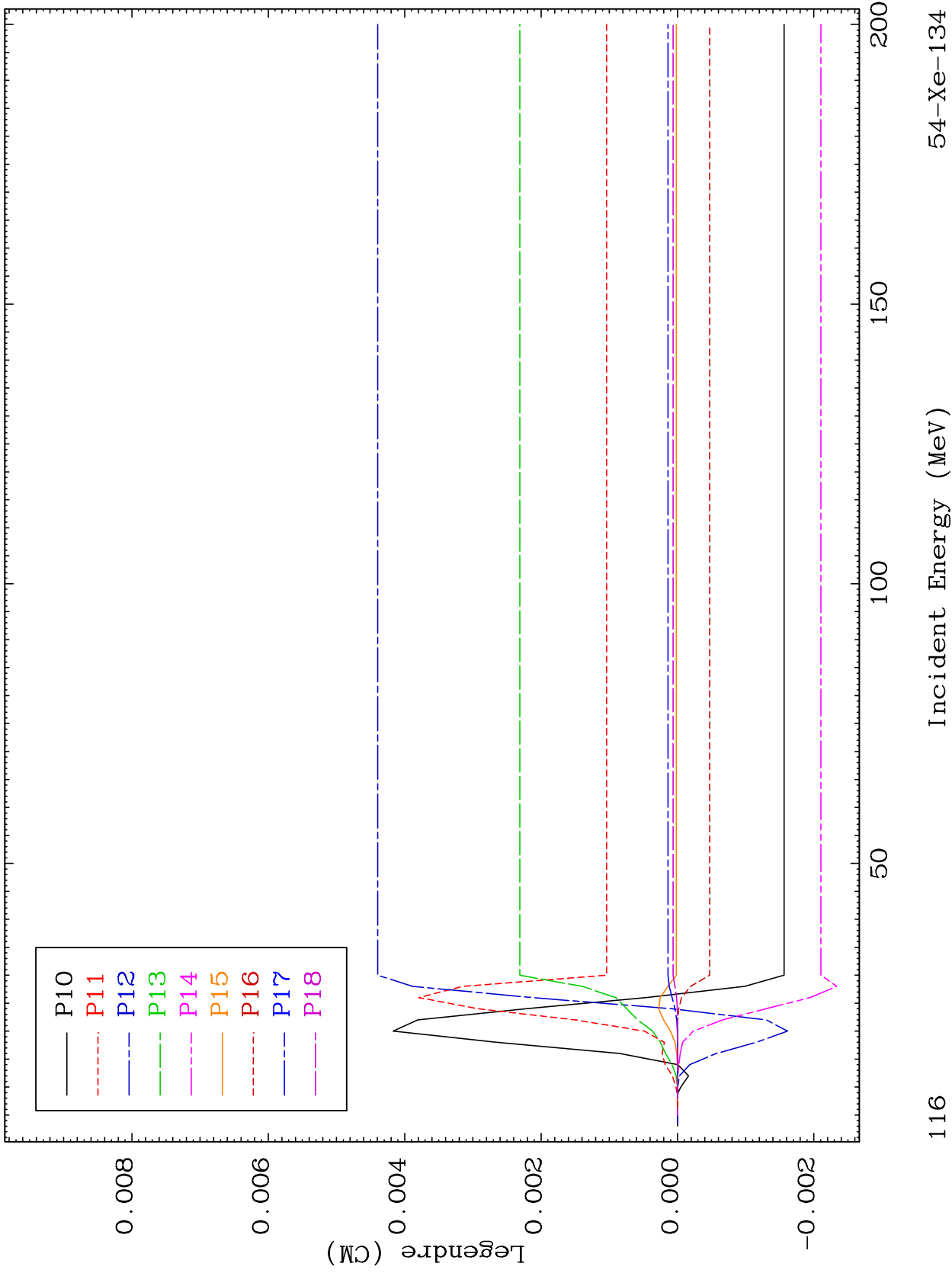
54-Xe-134



115

Incident Energy (MeV)

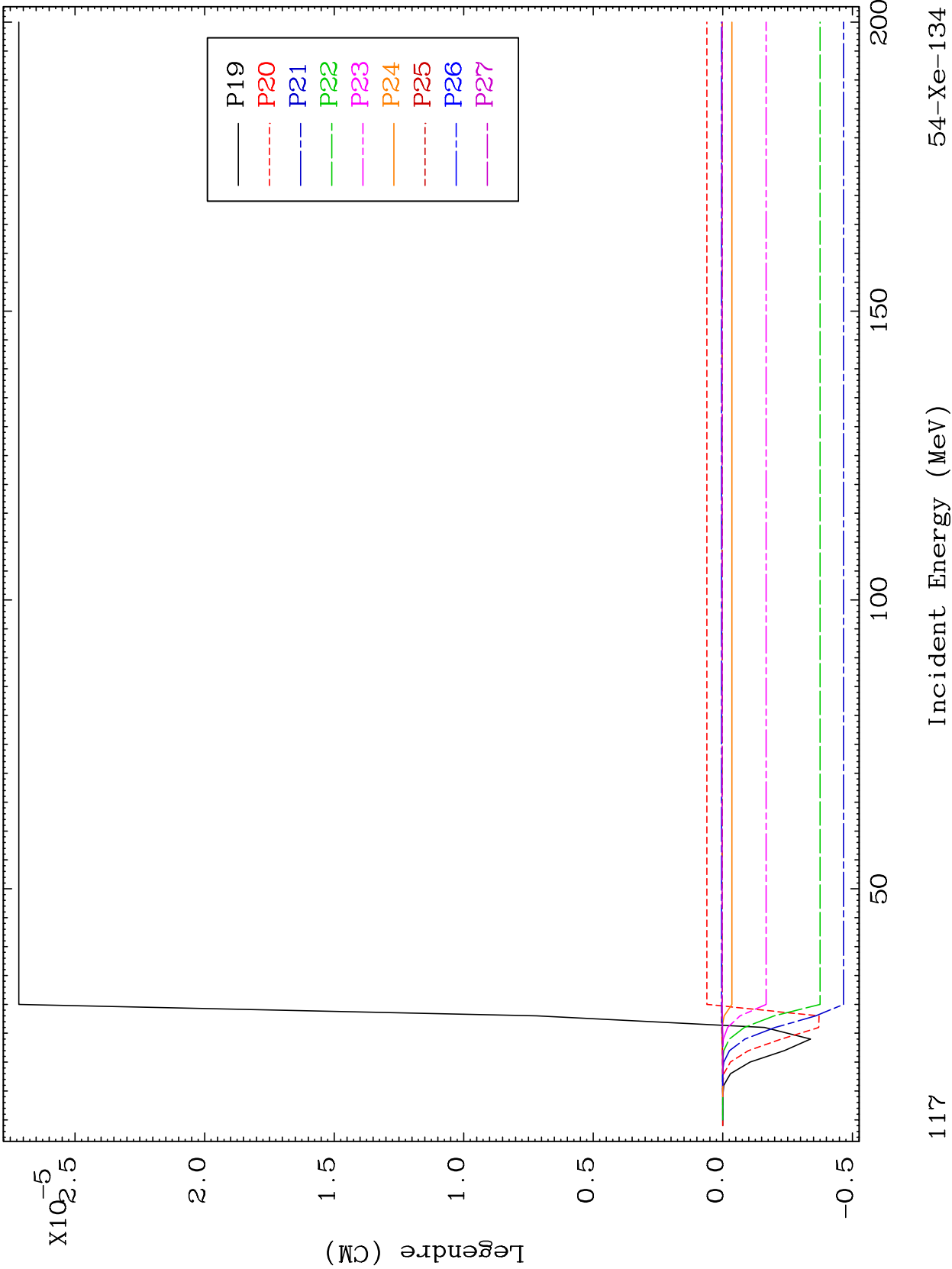
54-Xe-134



MAT 5455

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

54-Xe-134



117

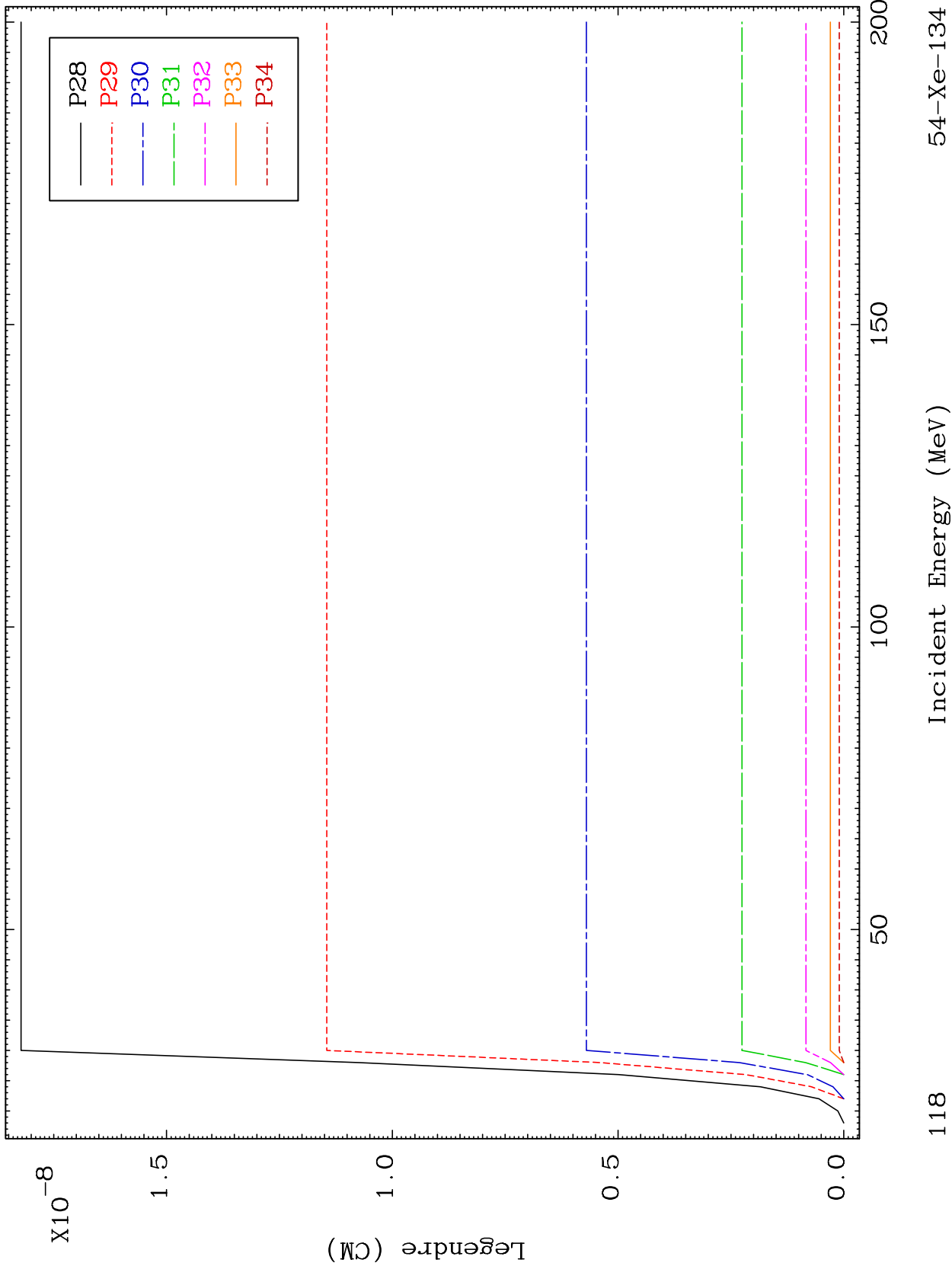
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



118

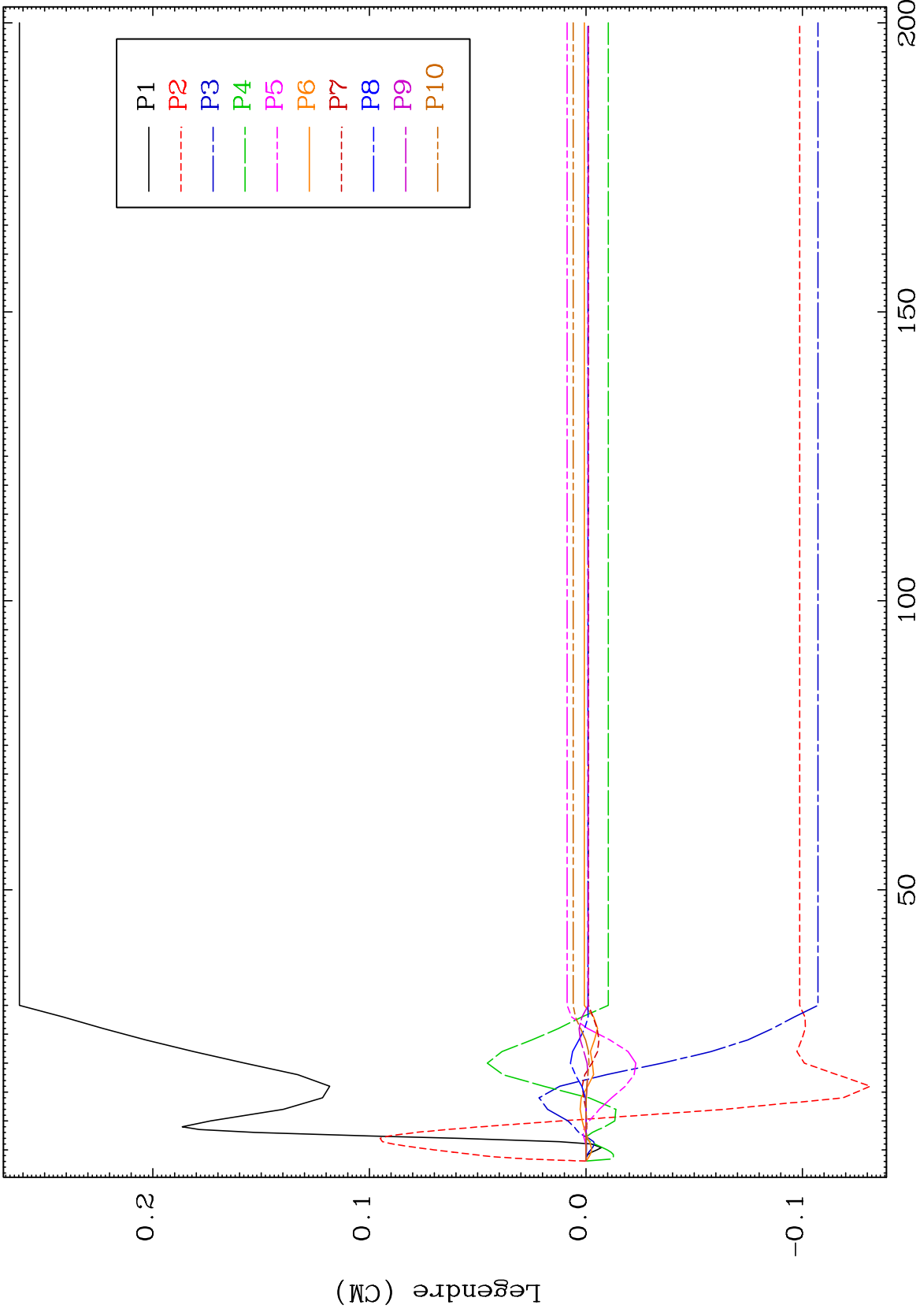
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



119

Incident Energy (MeV)

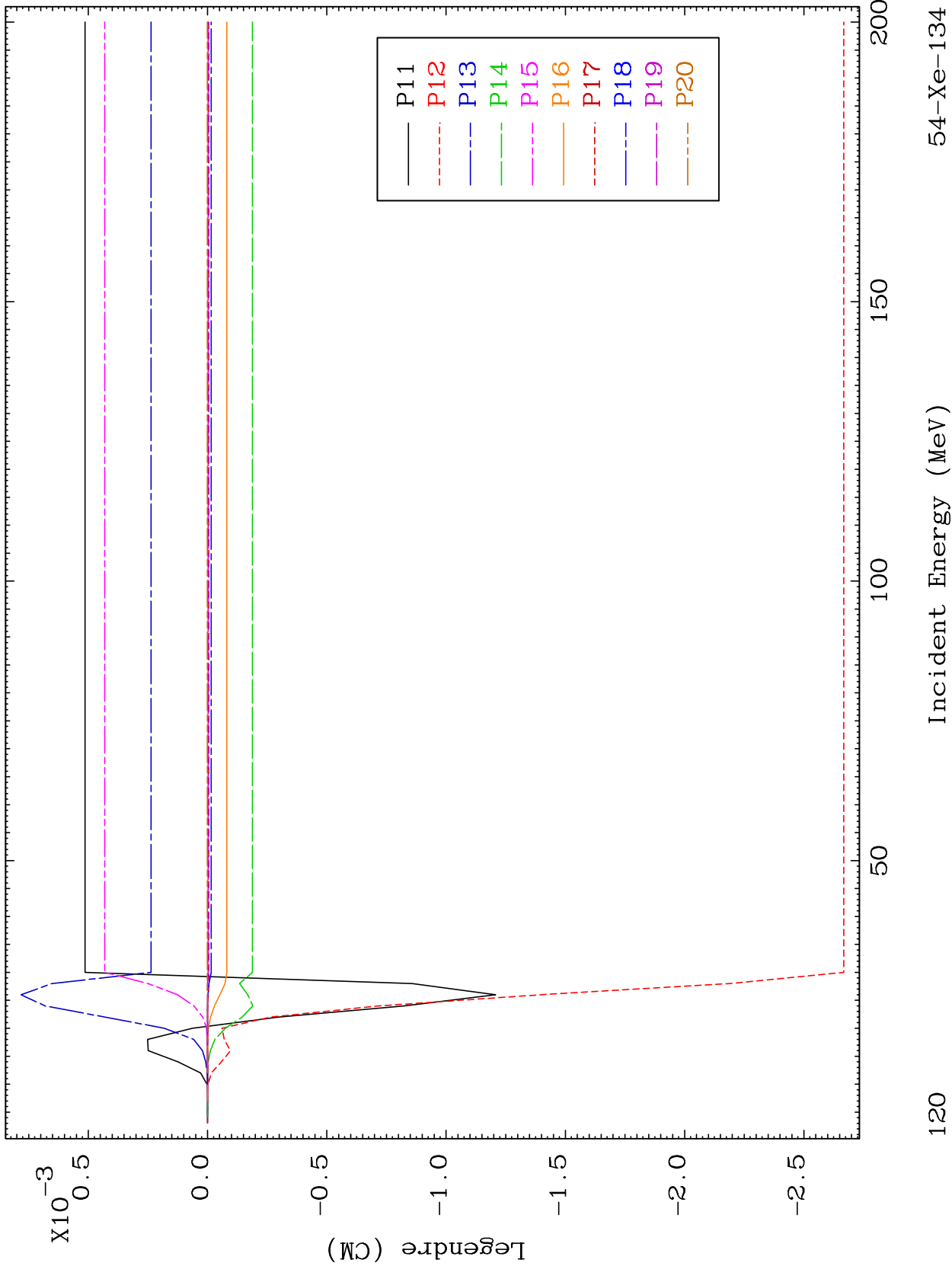
54-Xe-134



MAT 5455

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

54-Xe-134



120

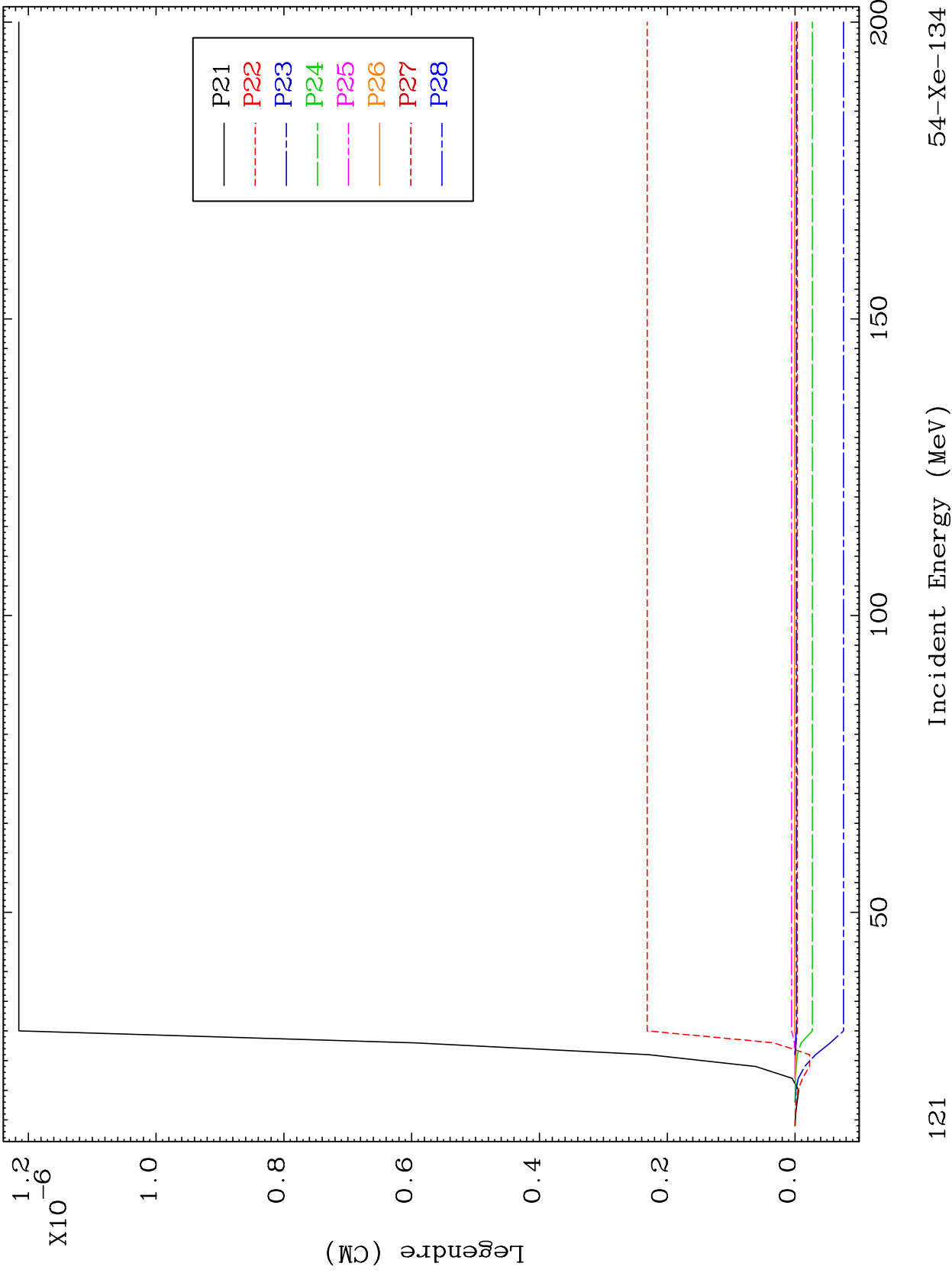
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



121

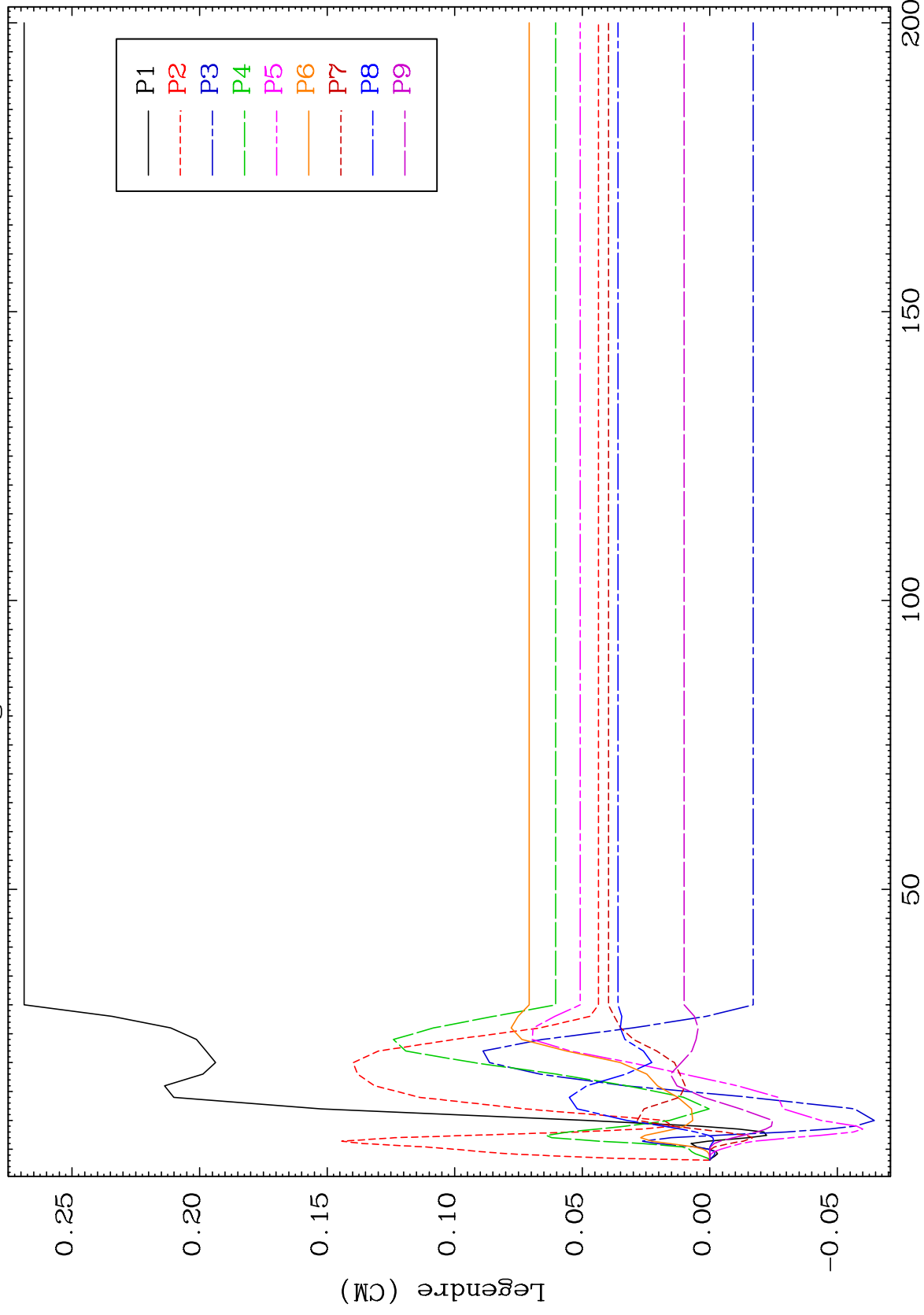
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



122

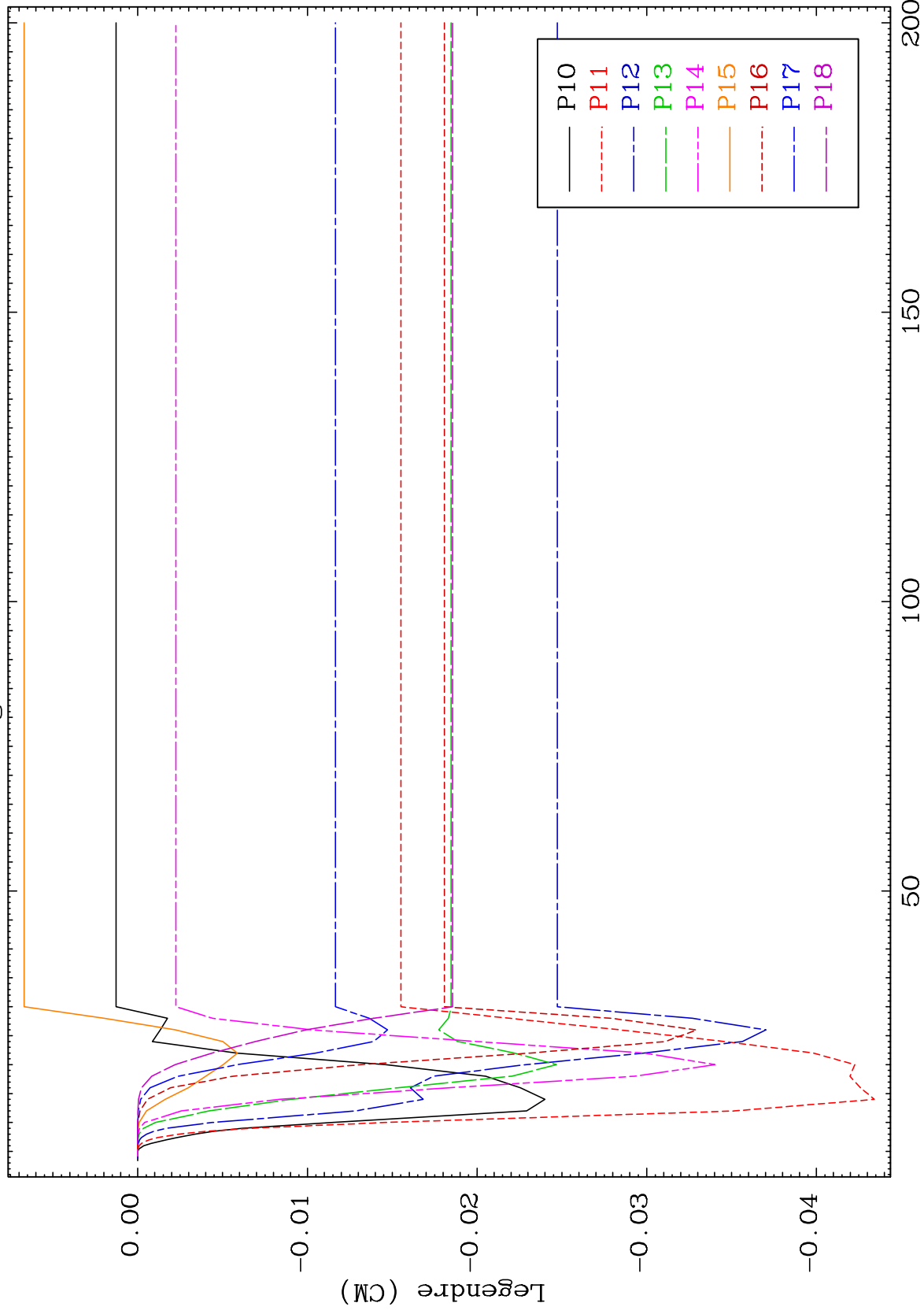
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

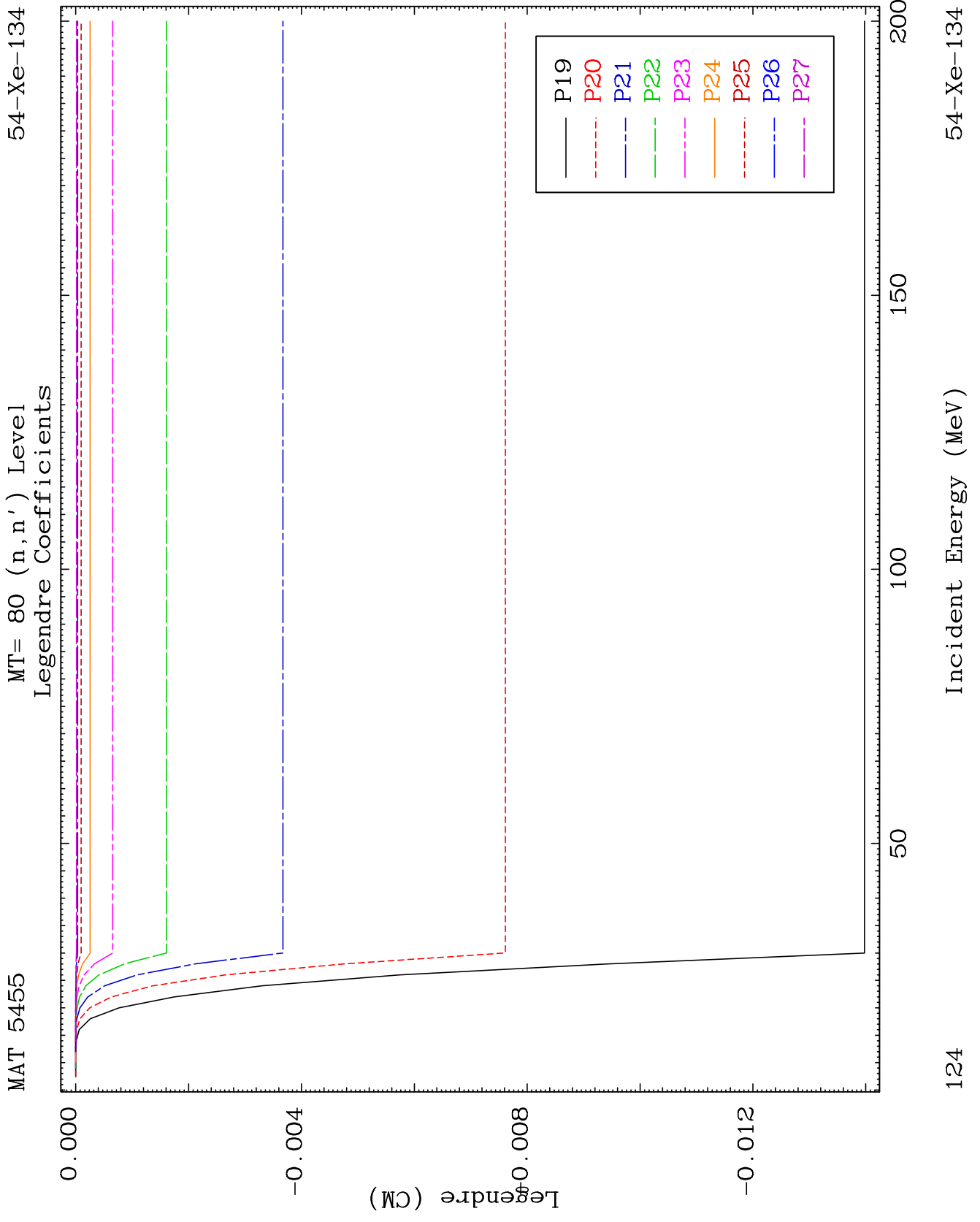
54-Xe-134



123

Incident Energy (MeV)

54-Xe-134

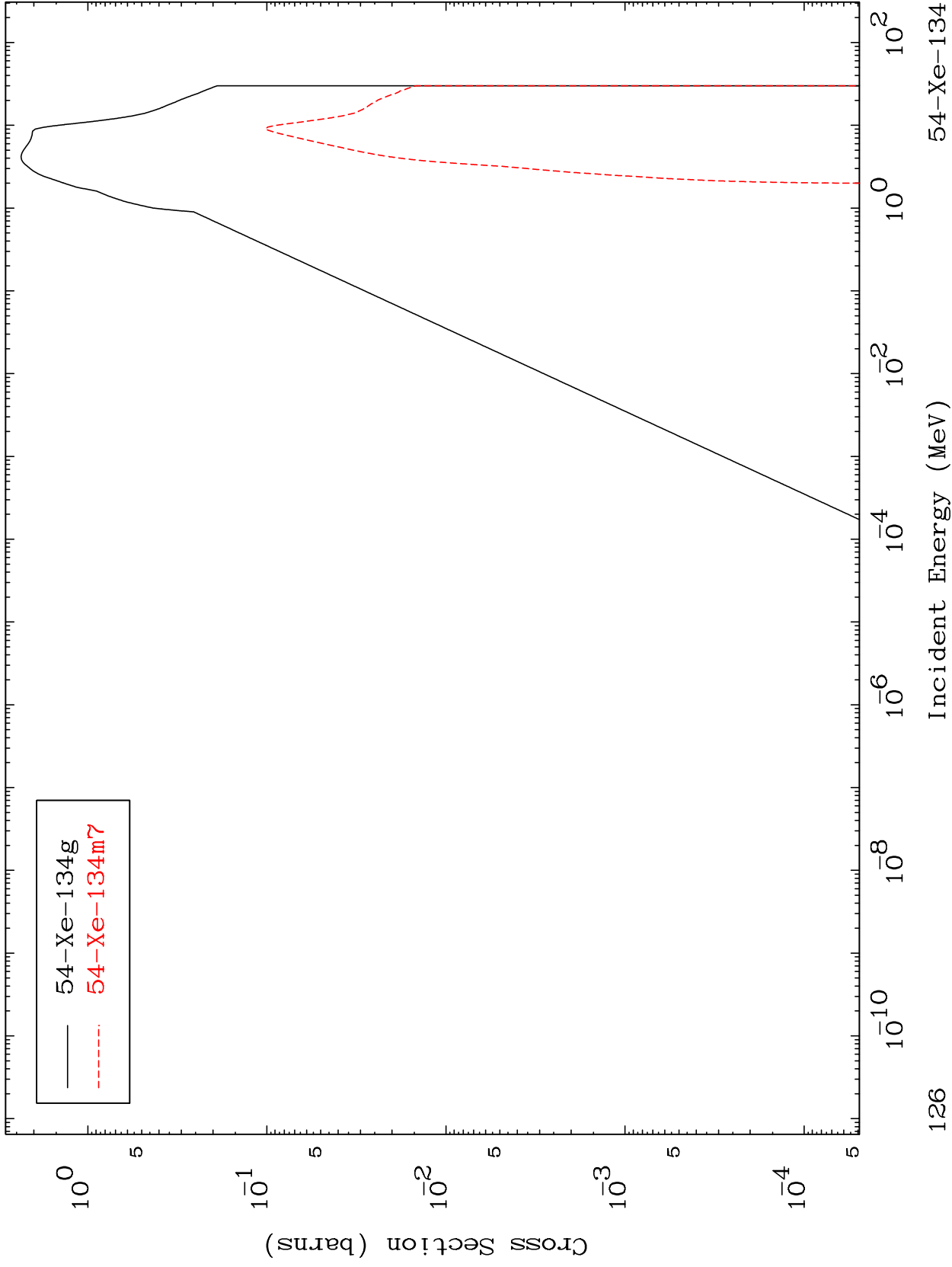




MAT 5455

Inelastic  
Radionuclide Production Cross Section

54-Xe-134

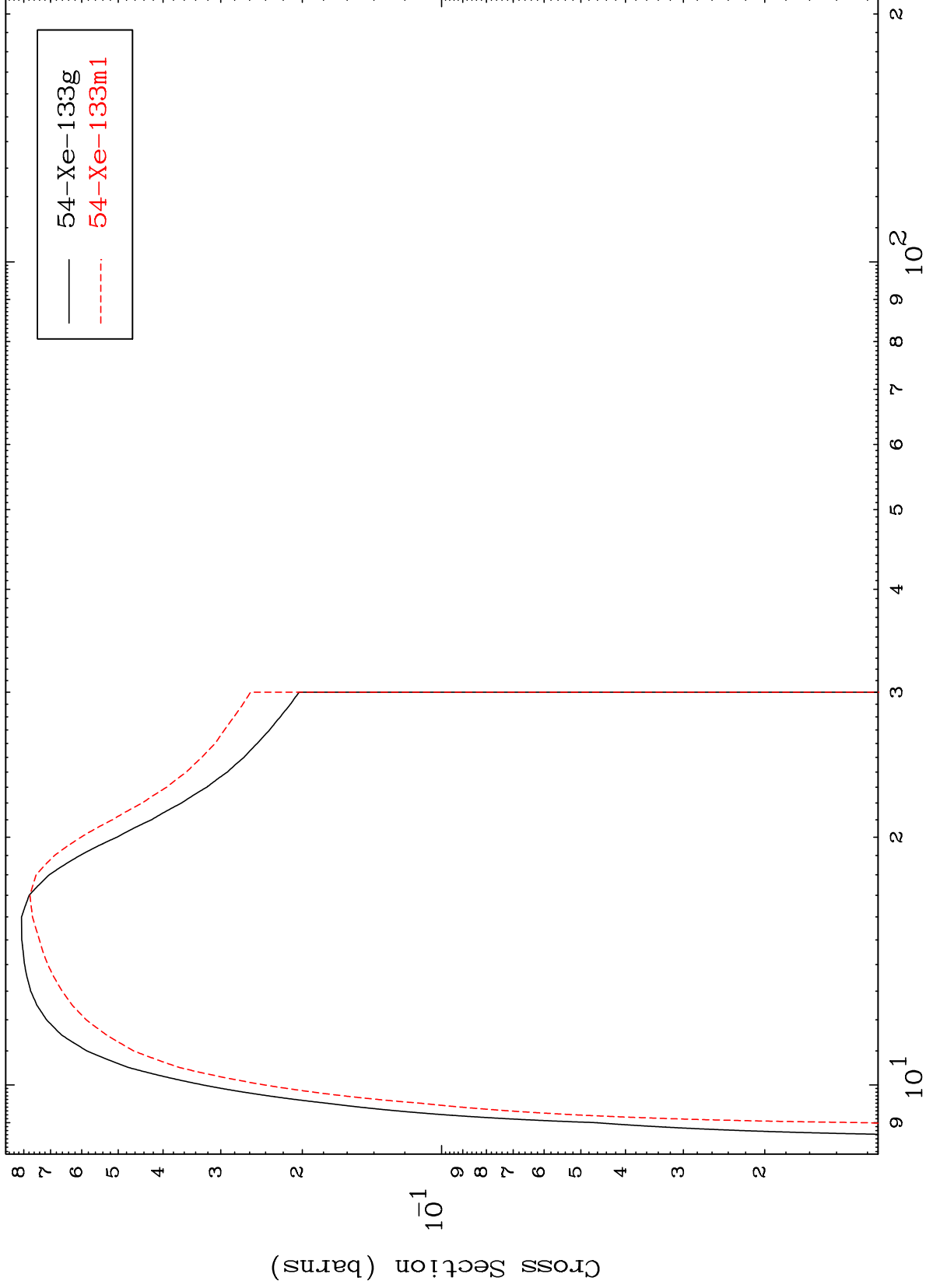


MAT 5455

(n,2n)

54-Xe-134

Radionuclide Production Cross Section



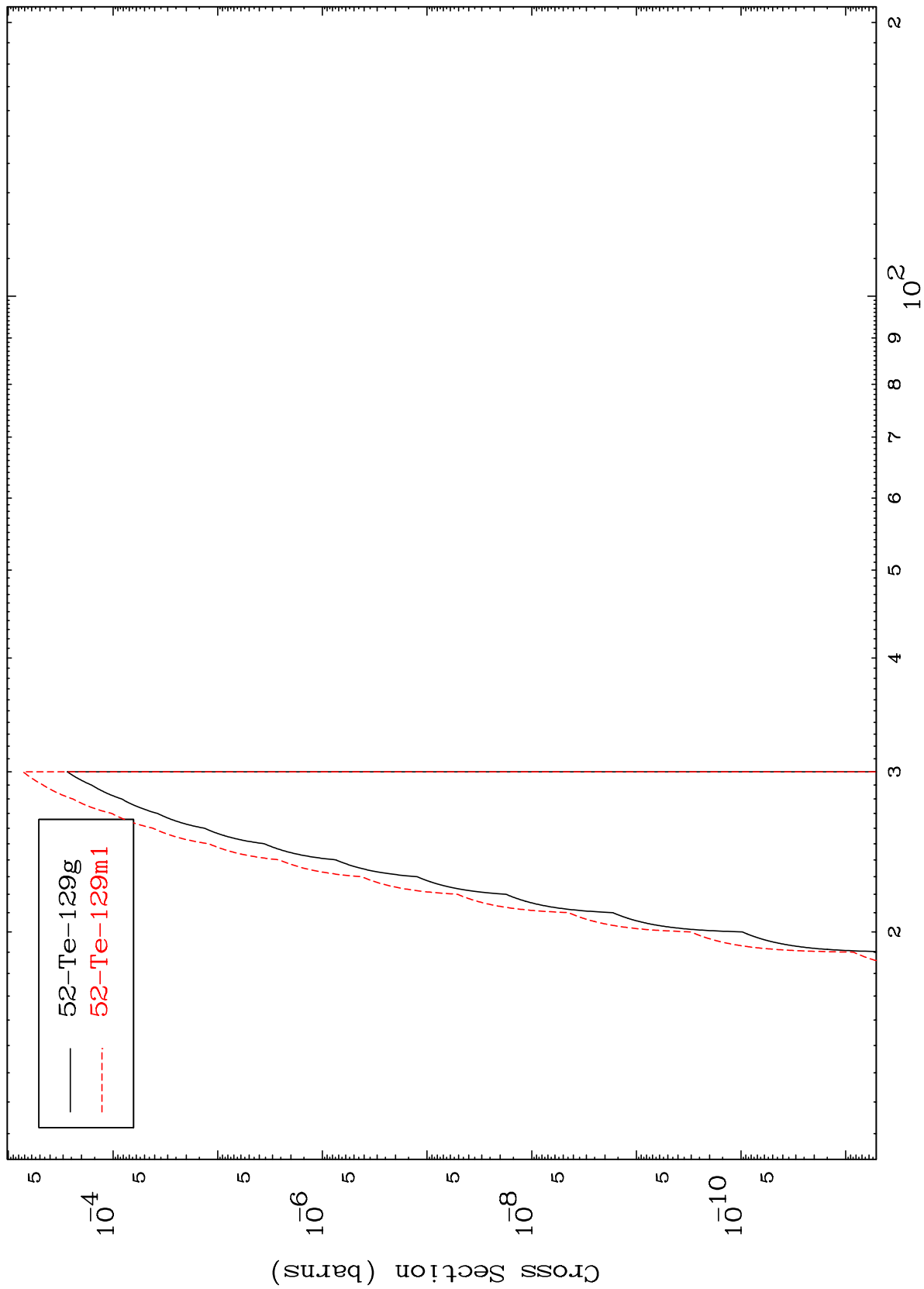
127

Incident Energy (MeV)

54-Xe-134



Radionuclide Production Cross Section

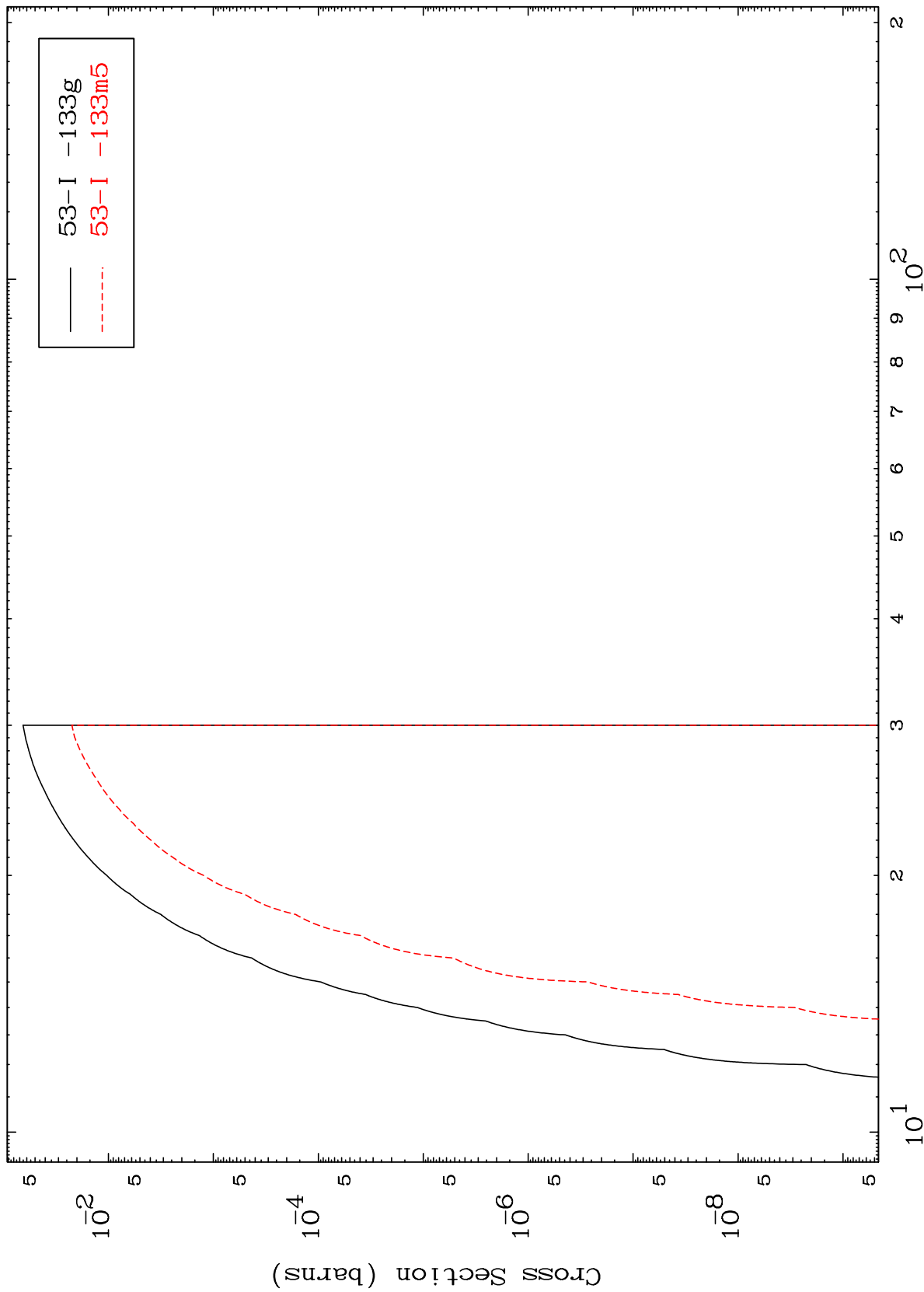


MAT 5455

(n,n') p

54-Xe-134

Radionuclide Production Cross Section



129

Incident Energy (MeV)

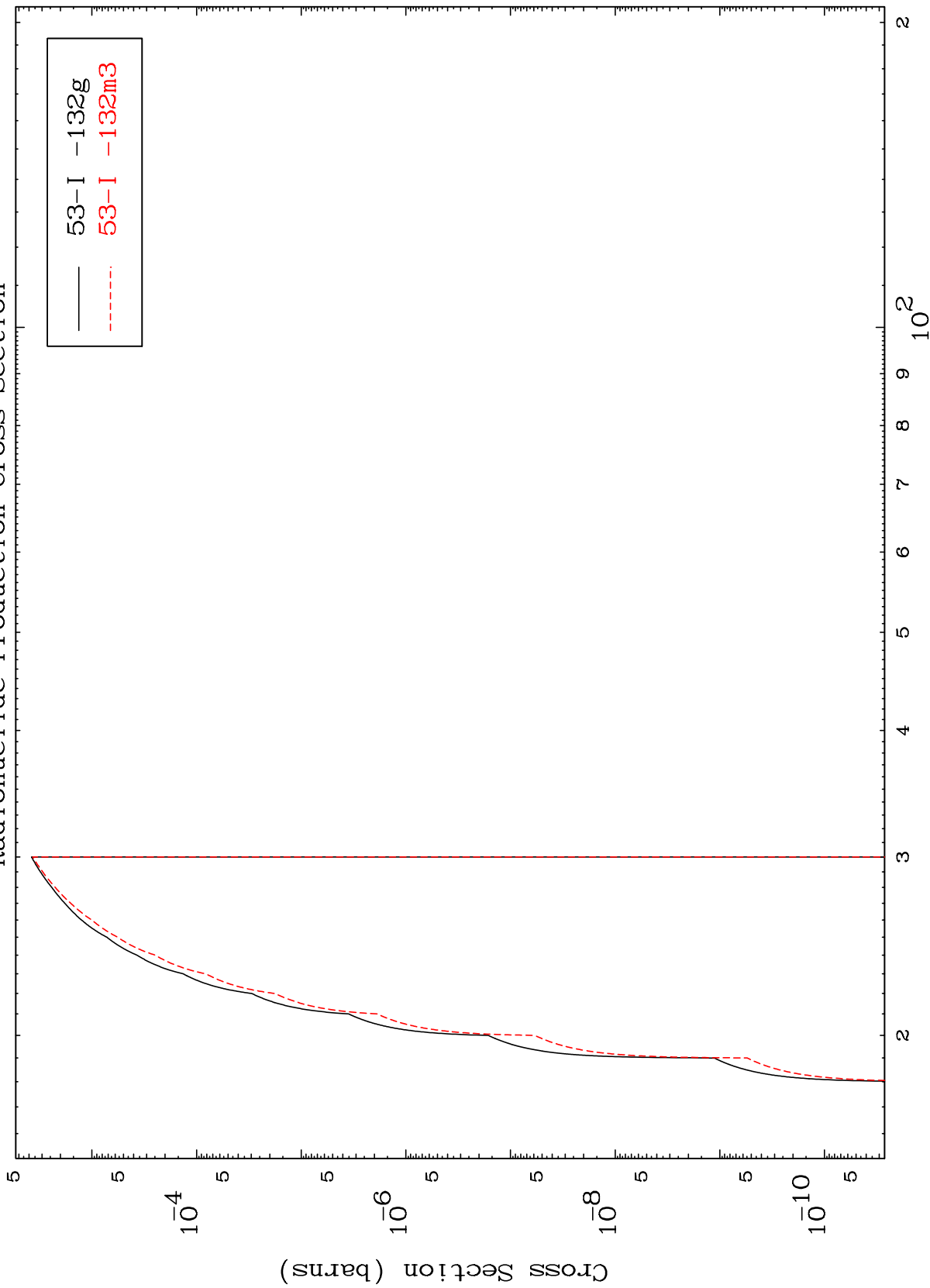
54-Xe-134

MAT 5455

(n,n') d

54-Xe-134

Radionuclide Production Cross Section



53-I - 132g  
53-I - 132m3

130

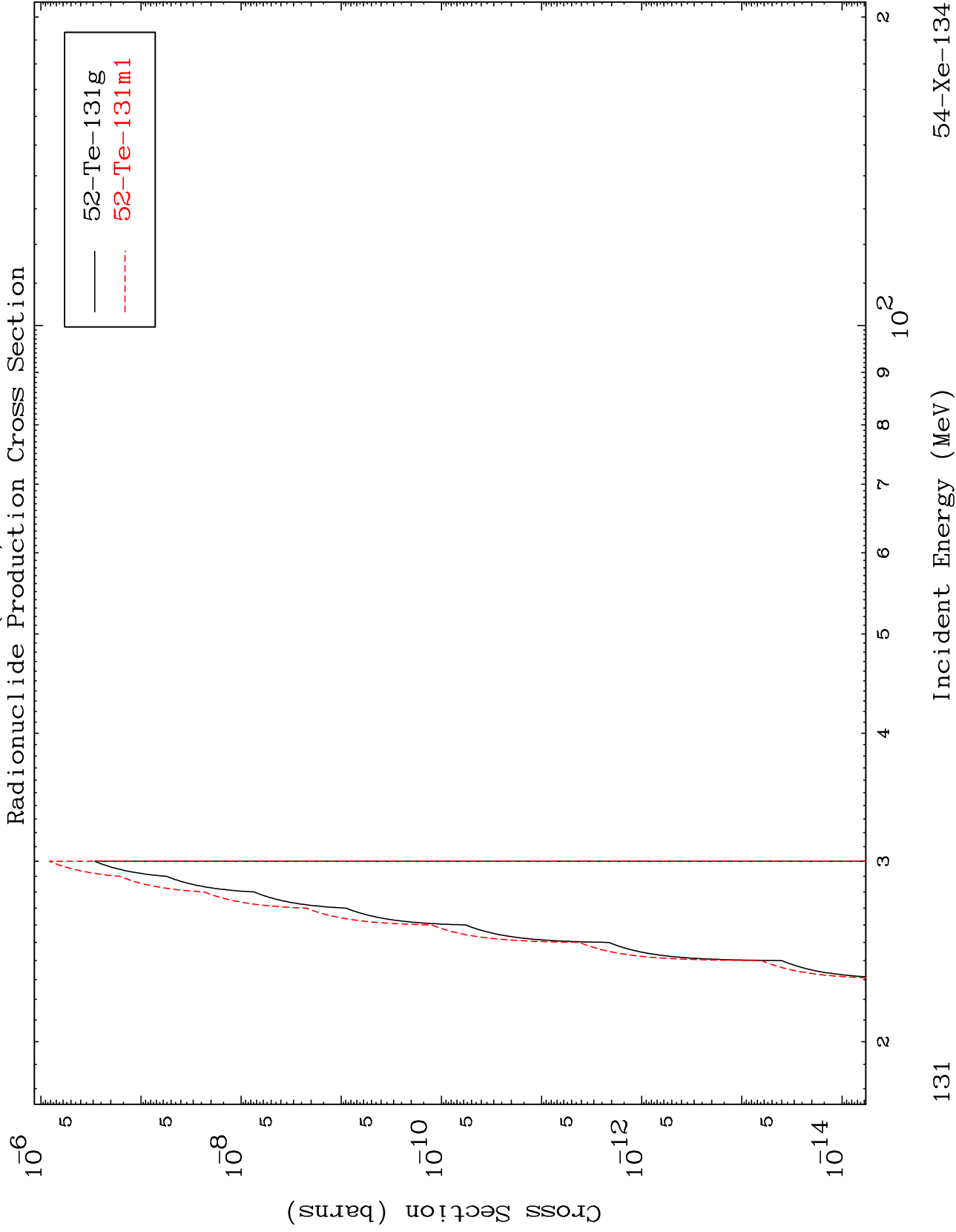
Incident Energy (MeV)

54-Xe-134

MAT 5455

(n,n') He-3

54-Xe-134



131

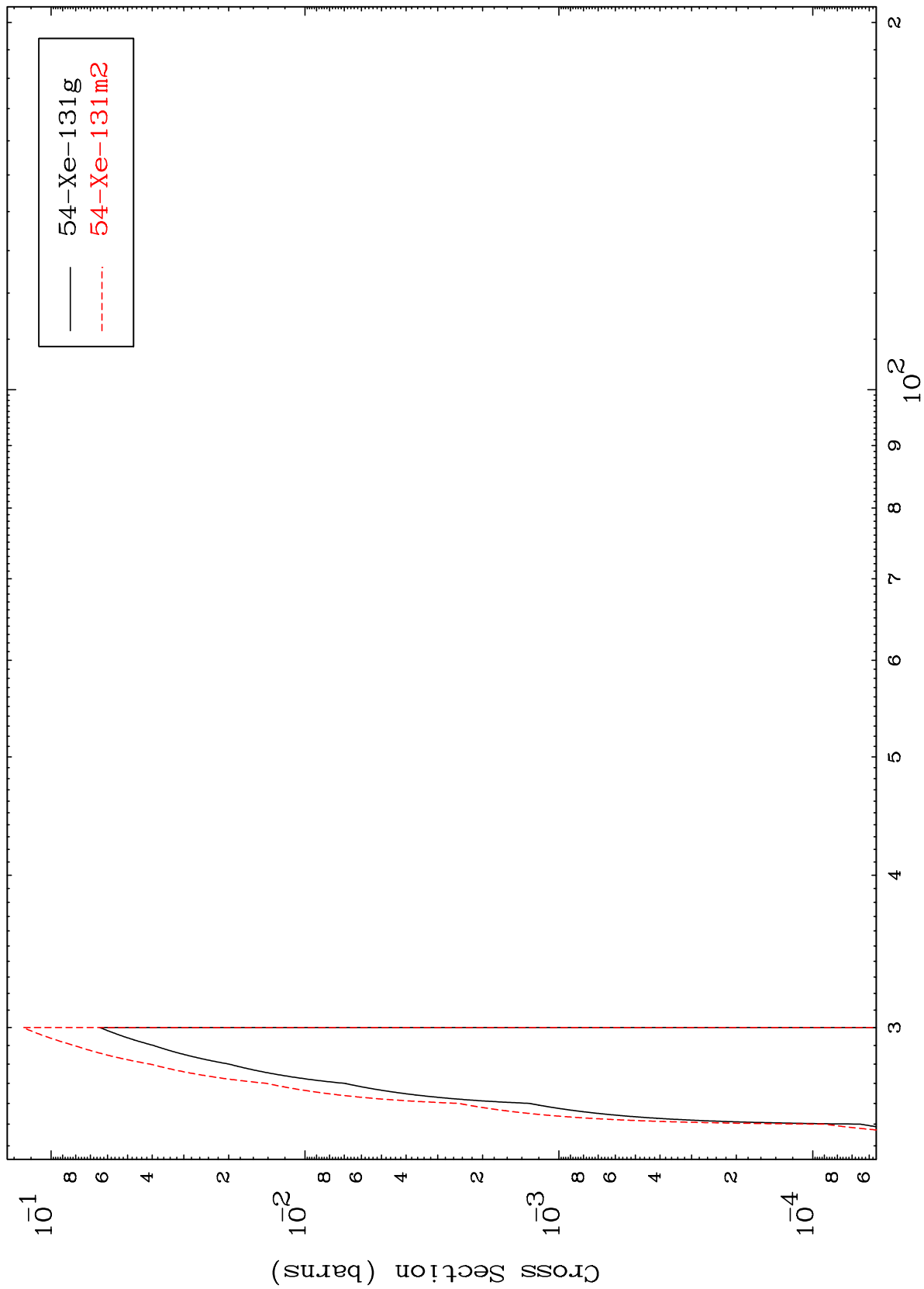
Incident Energy (MeV)

54-Xe-134

MAT 5455

54-Xe-134

(n,4n)  
Radionuclide Production Cross Section

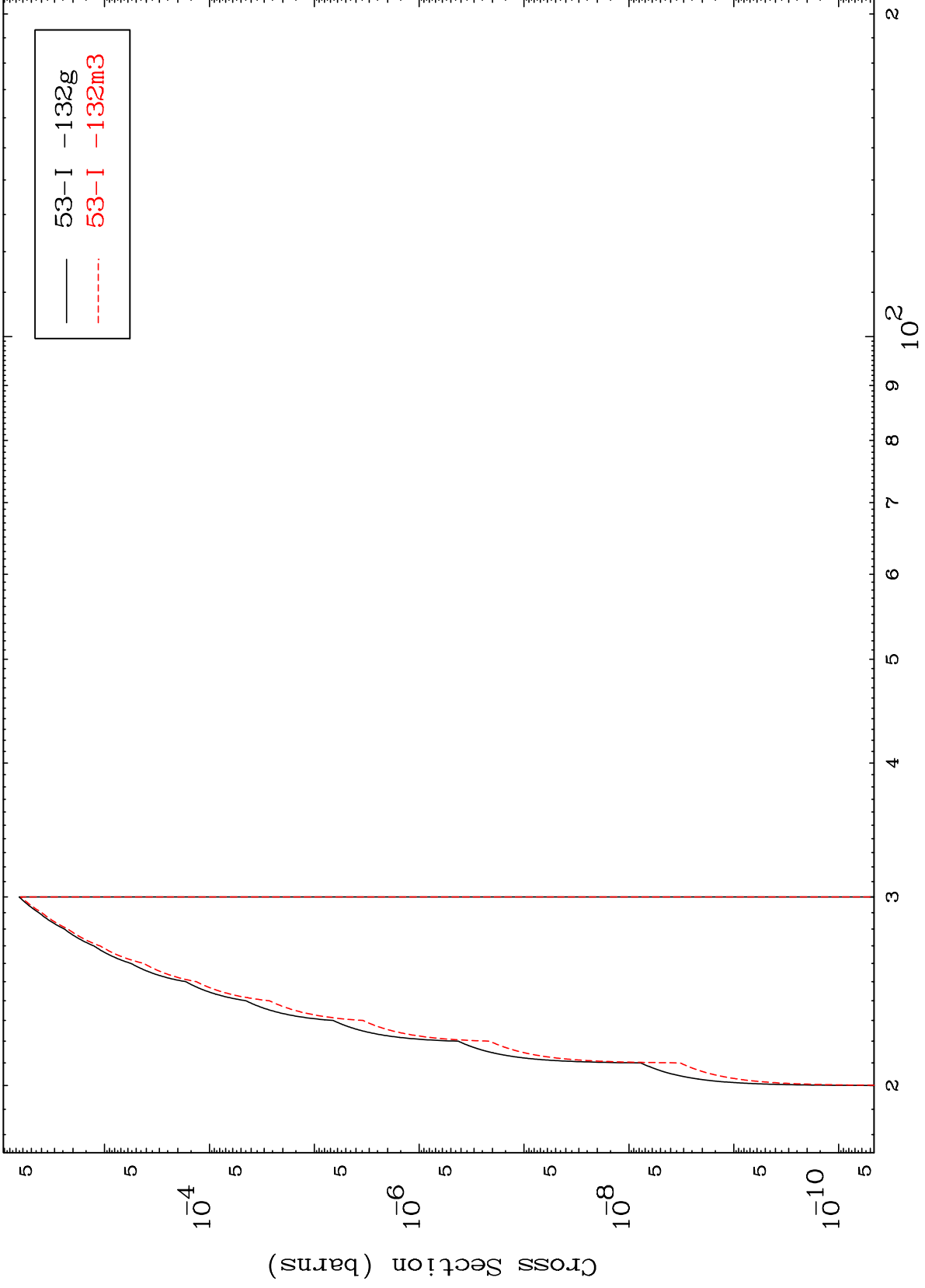


132

Incident Energy (MeV)

54-Xe-134

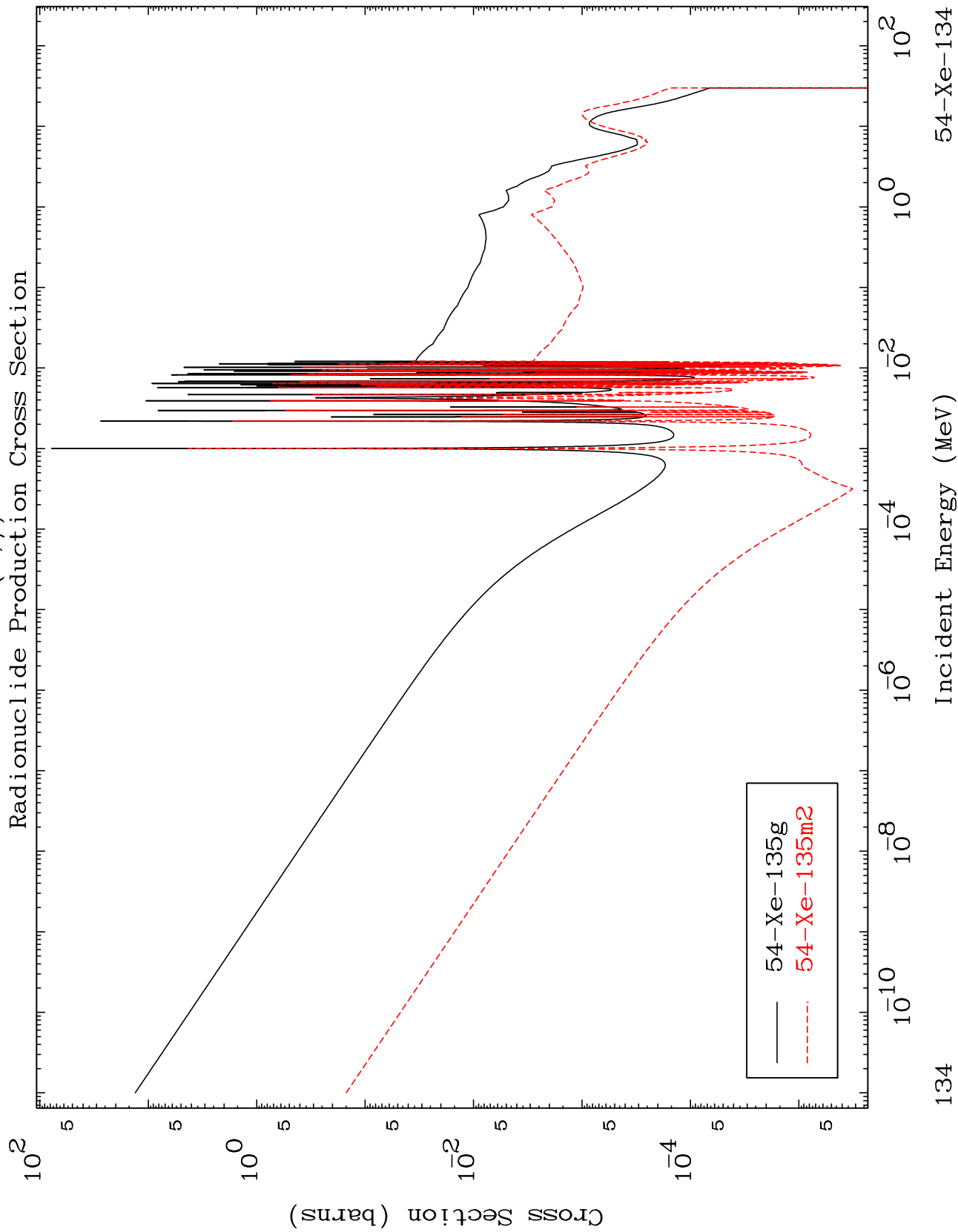
Radionuclide Production Cross Section



MAT 5455

54-Xe-134

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

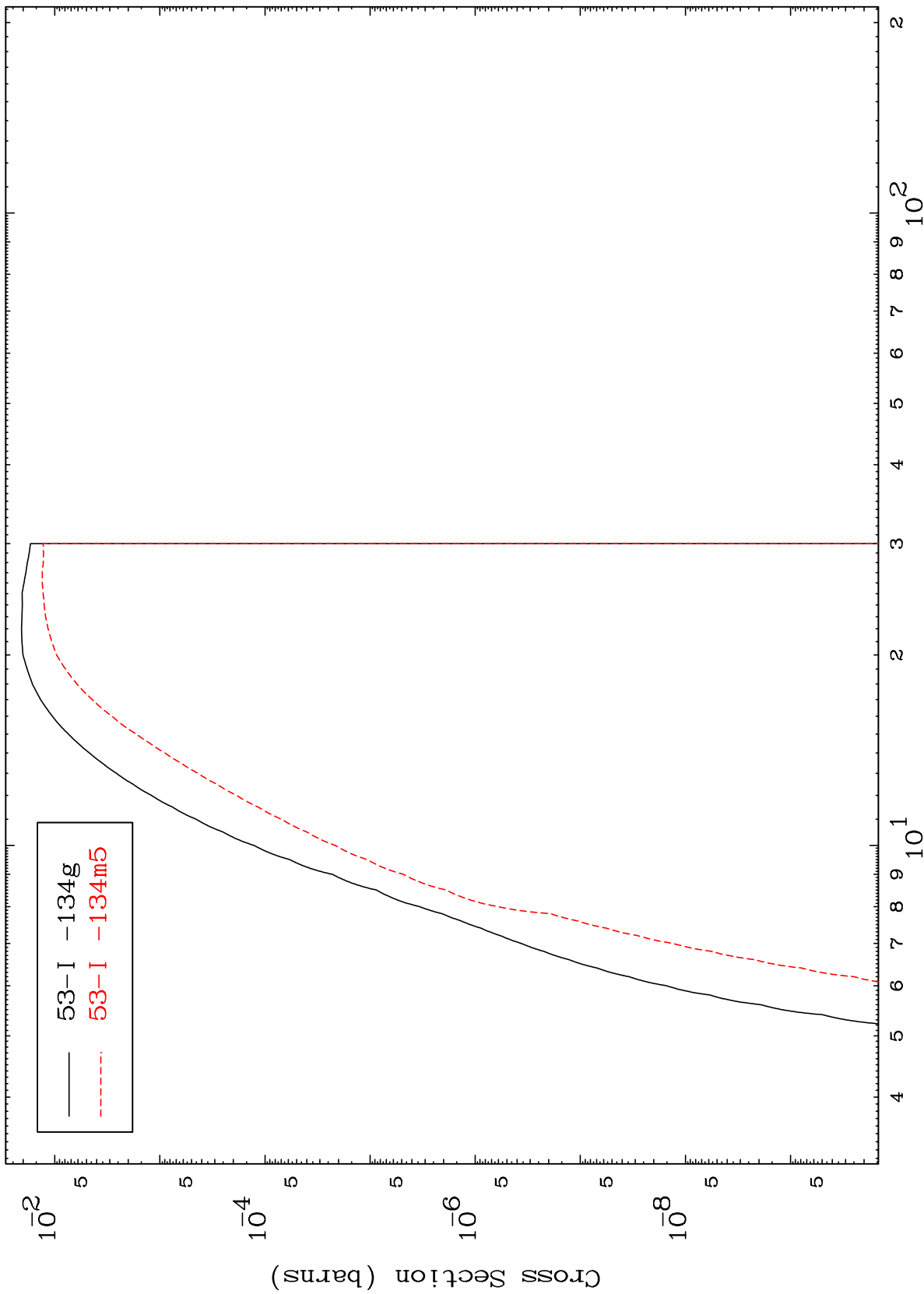


134

MAT 5455

54-Xe-134

(n,p)  
Radionuclide Production Cross Section



54-Xe-134

Incident Energy (MeV)

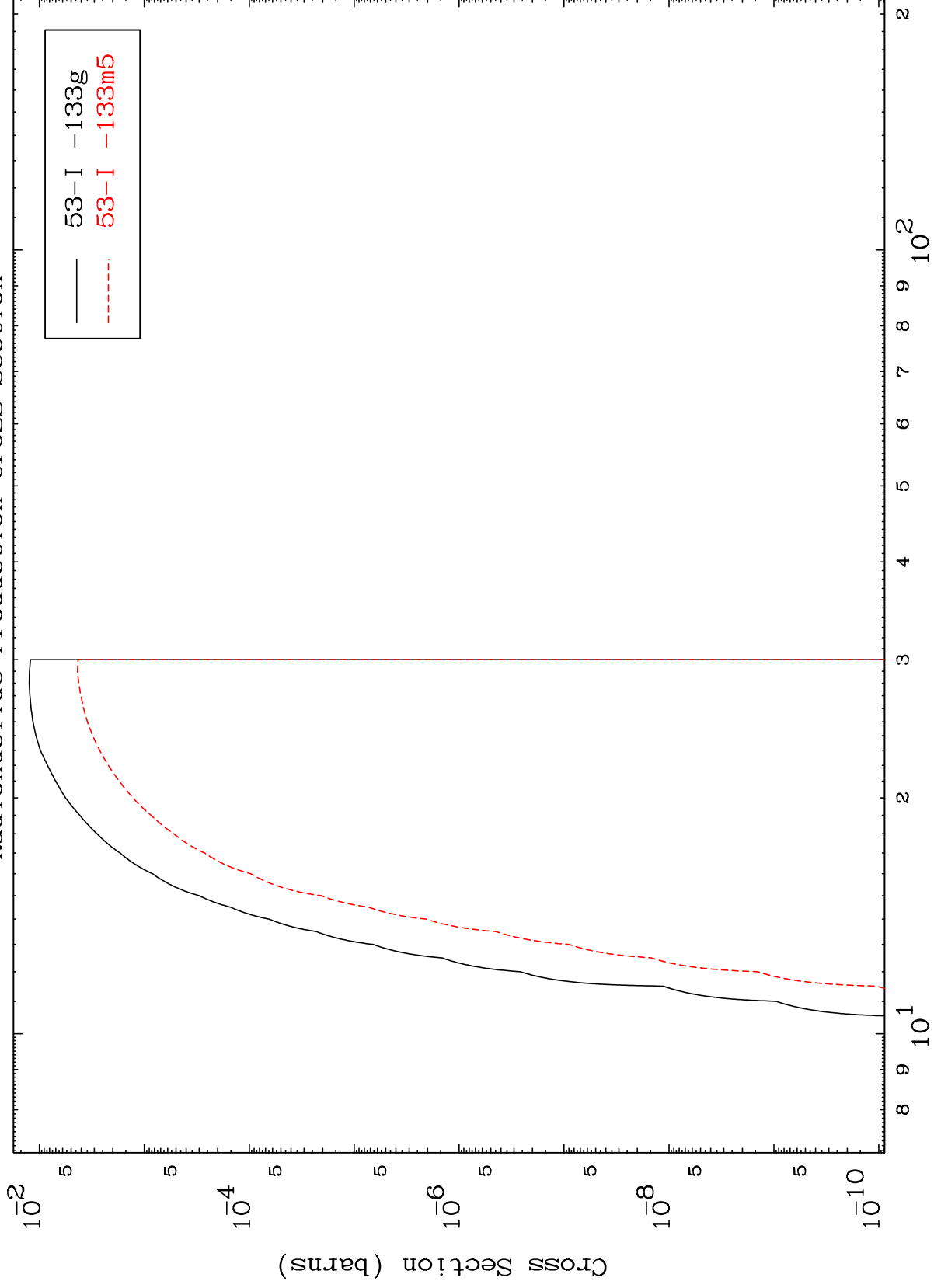
135



MAT 5455

54-Xe-134

(n,d)  
Radionuclide Production Cross Section



53-I - 133g  
53-I - 133m5

136

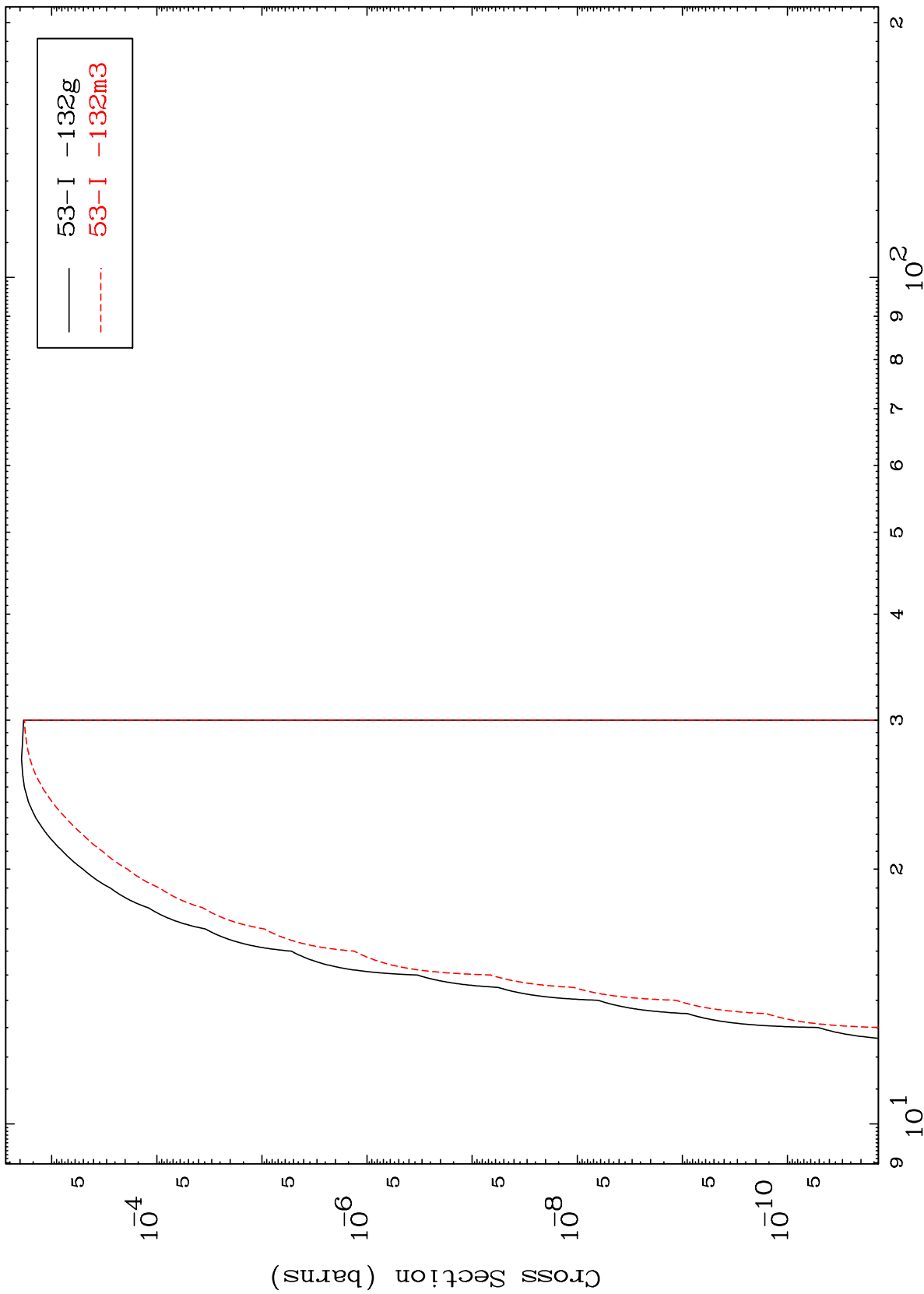
Incident Energy (MeV)

54-Xe-134

MAT 5455

54-Xe-134

(n,t)  
Radionuclide Production Cross Section



54-Xe-134

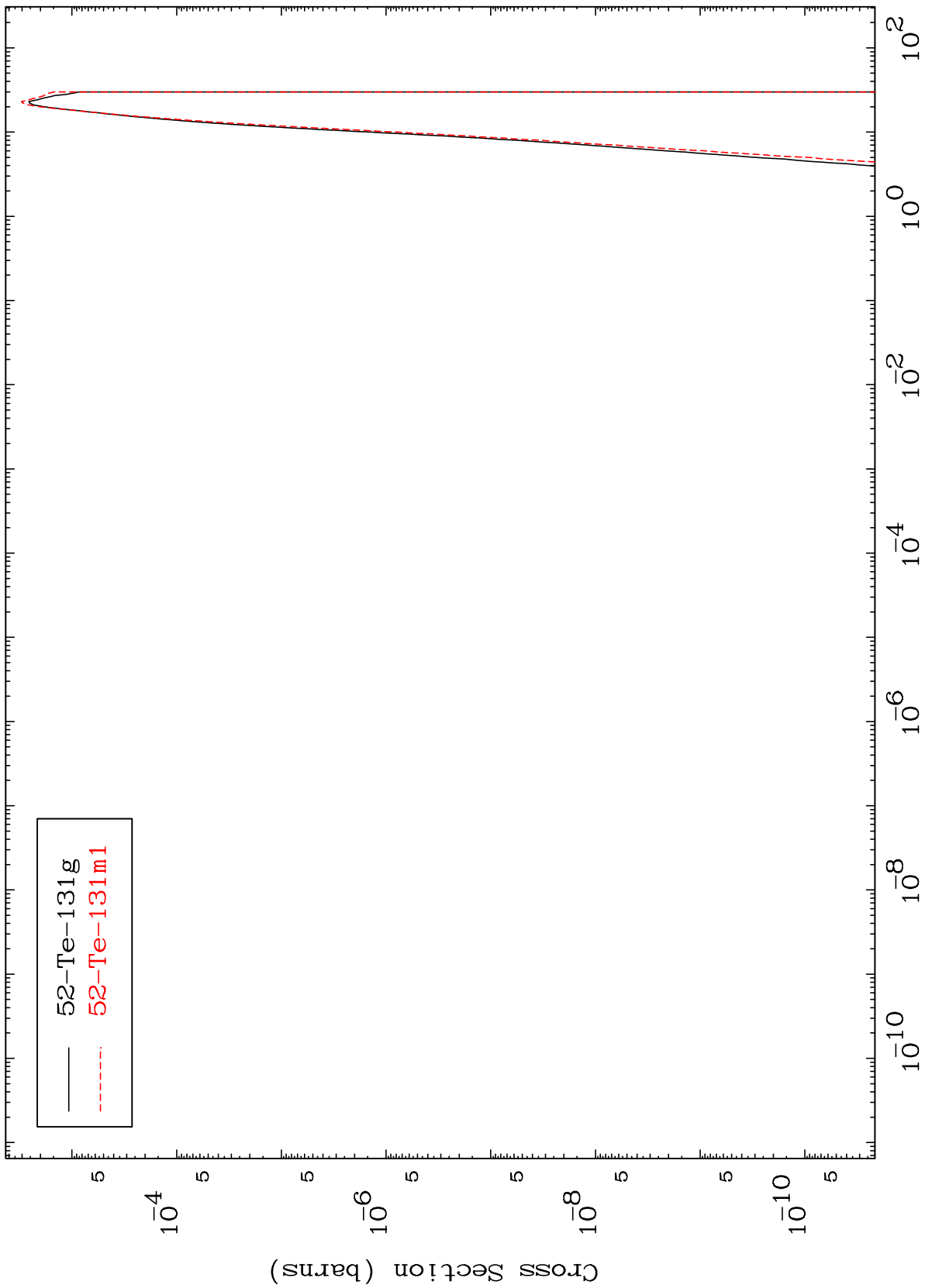
Incident Energy (MeV)

137

MAT 5455

54-Xe-134

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



138

54-Xe-134

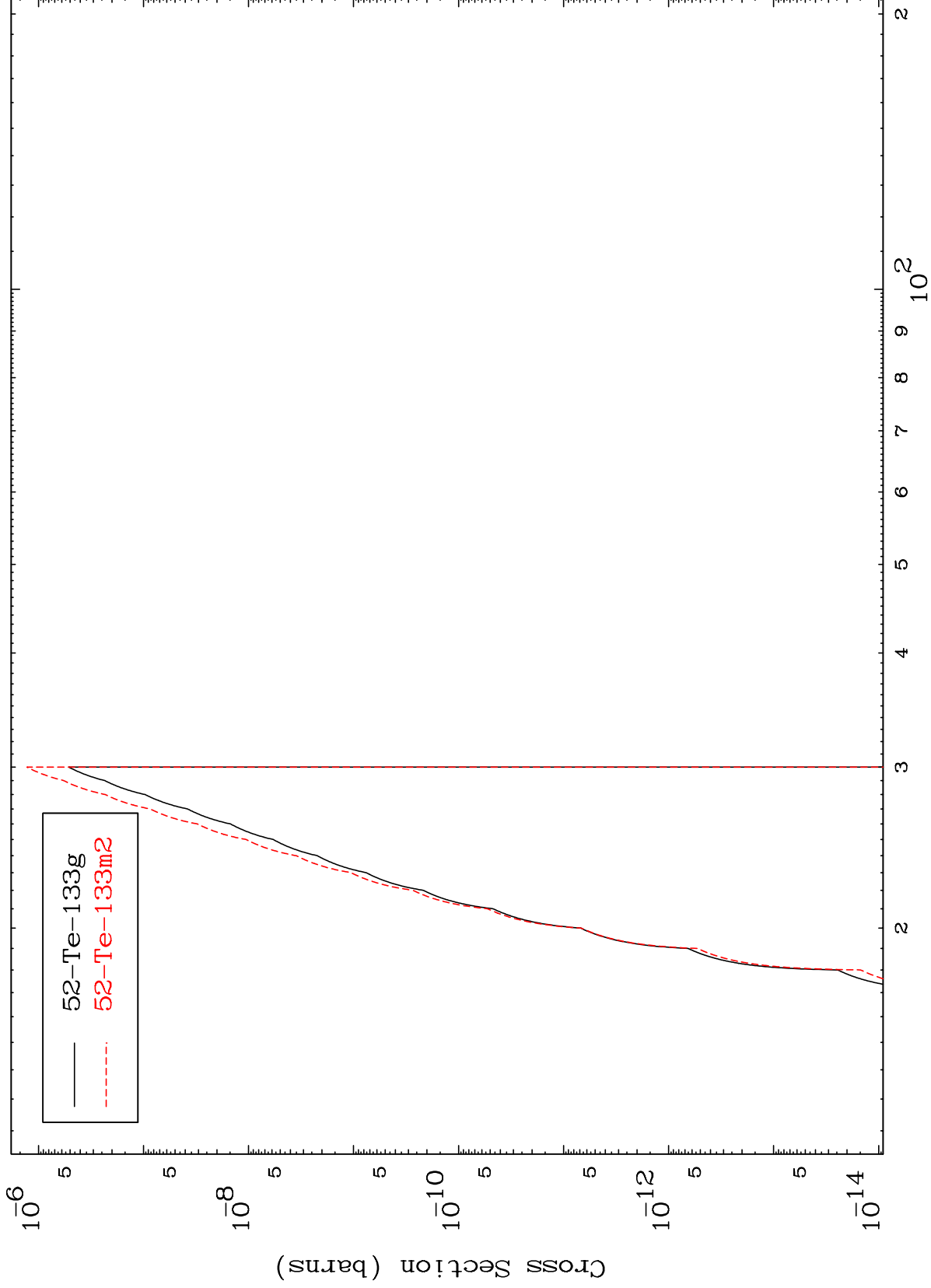
Incident Energy (MeV)

MAT 5455

(n,2p)

54-Xe-134

Radionuclide Production Cross Section



139

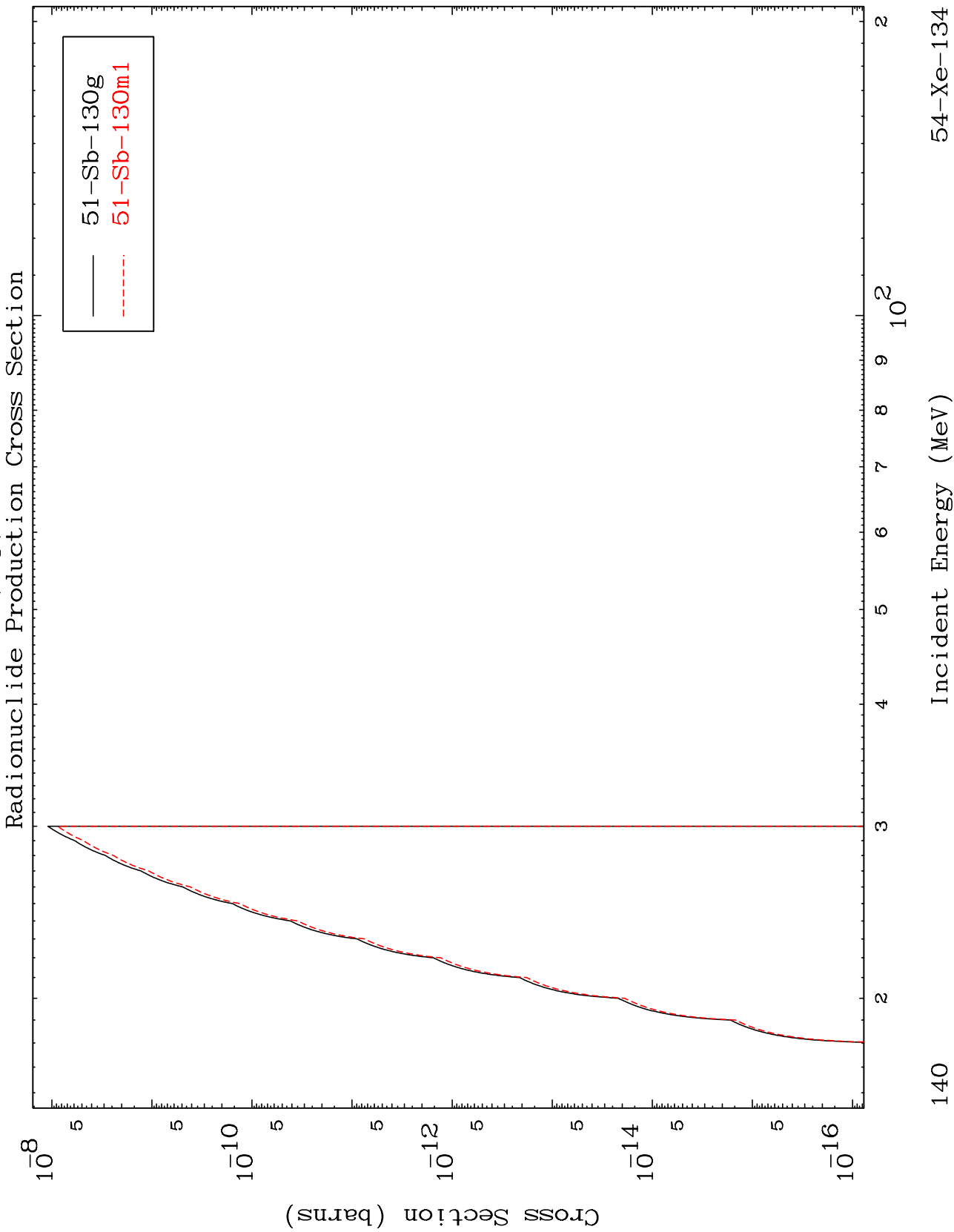
Incident Energy (MeV)

54-Xe-134

MAT 5455

(n,p)  $\alpha$

54-Xe-134



140

Incident Energy (MeV)

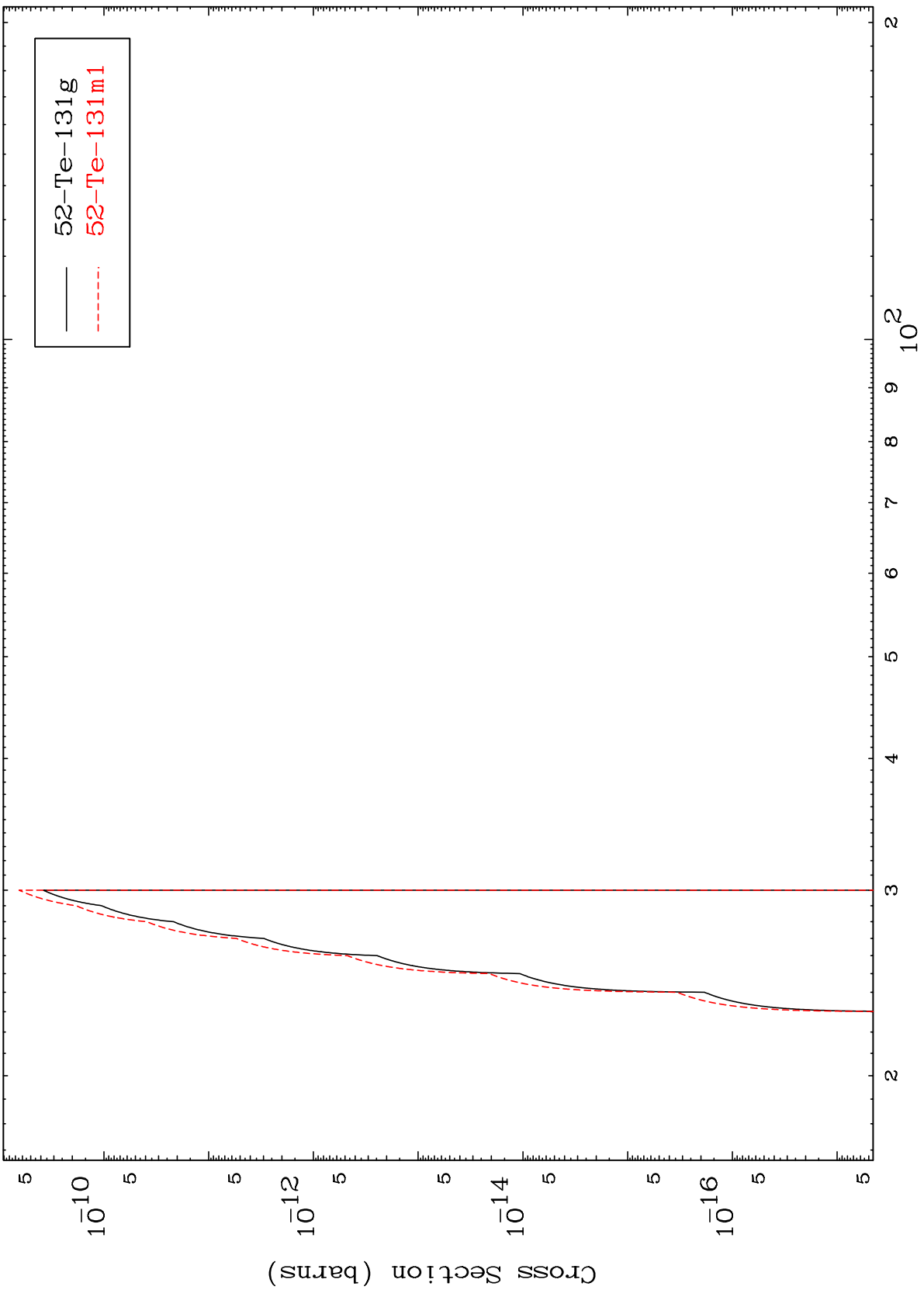
54-Xe-134

MAT 5455

(n,p) t

54-Xe-134

Radionuclide Production Cross Section



52-Te-131g  
52-Te-131m1

141

Incident Energy (MeV)

54-Xe-134