

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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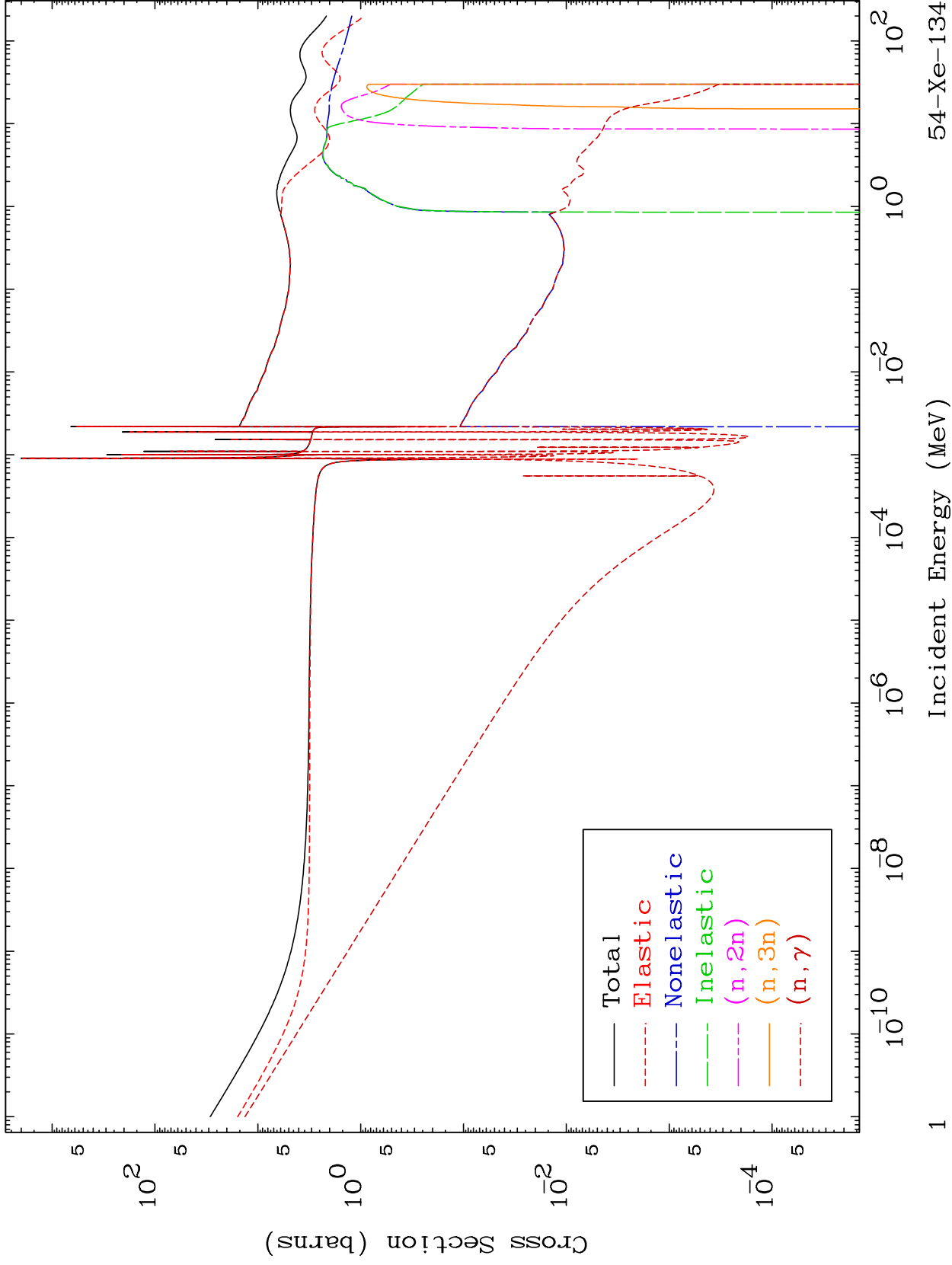
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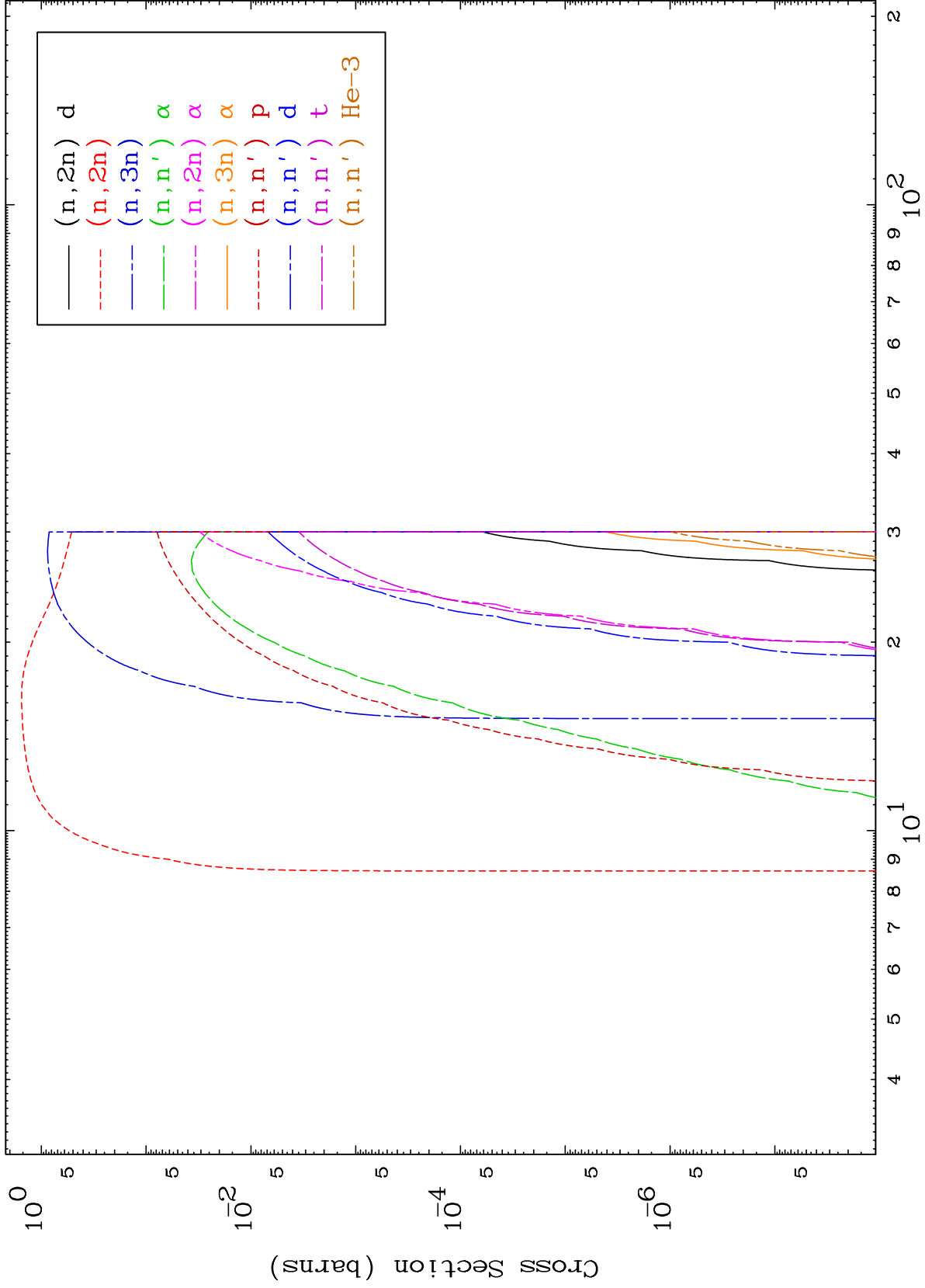
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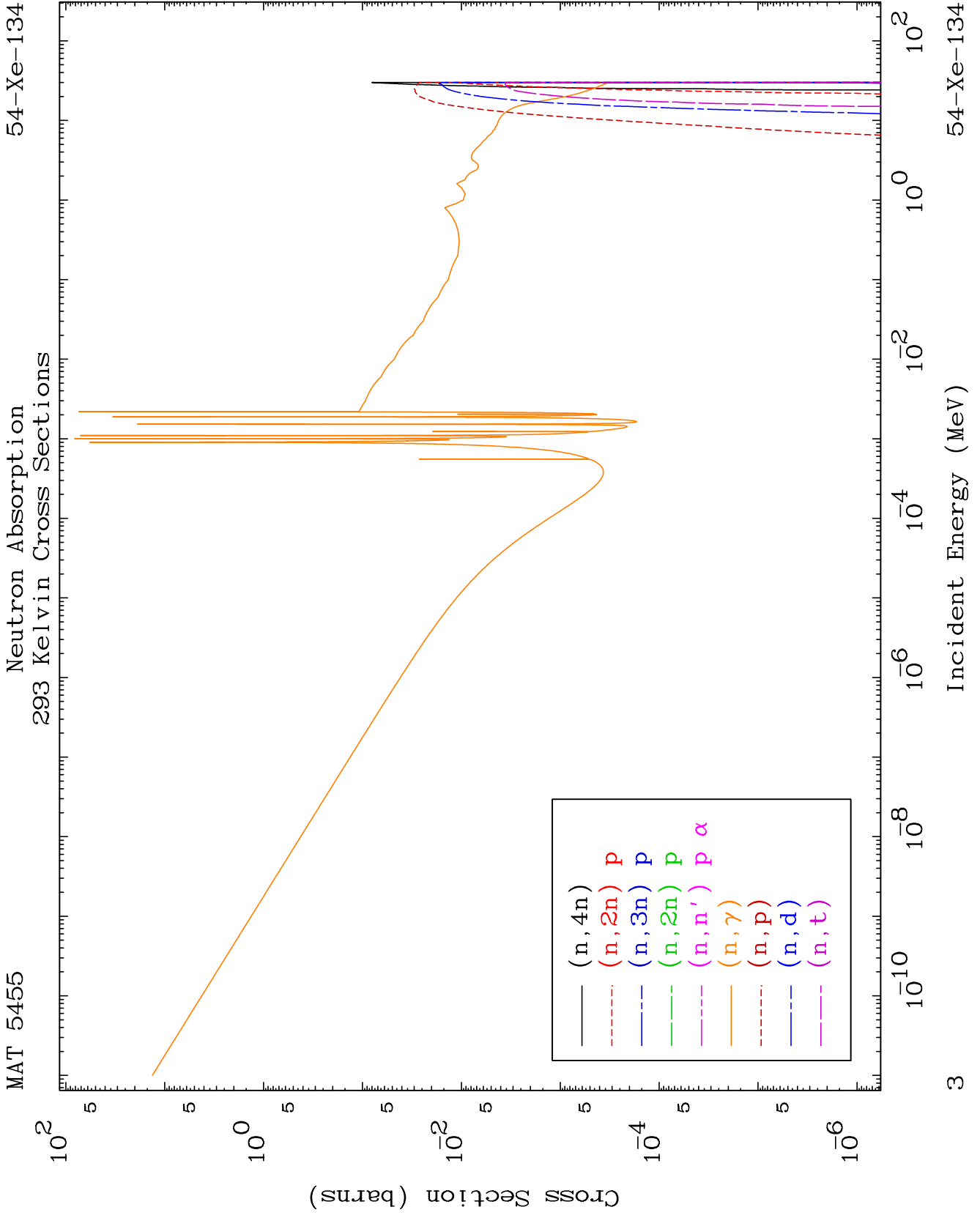
MAT 5455

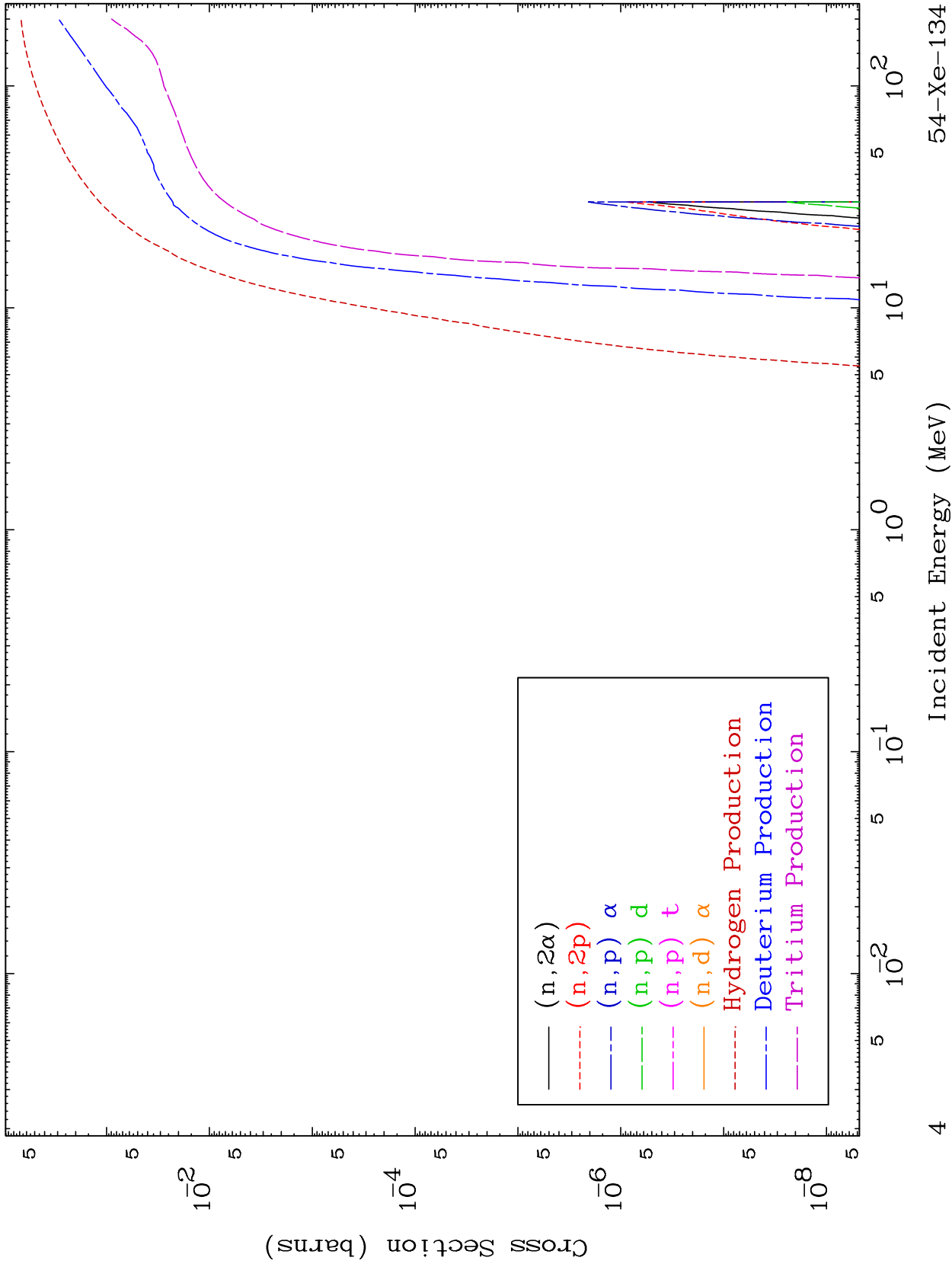
Neutron Major  
293 Kelvin Cross Sections

54-Xe-134







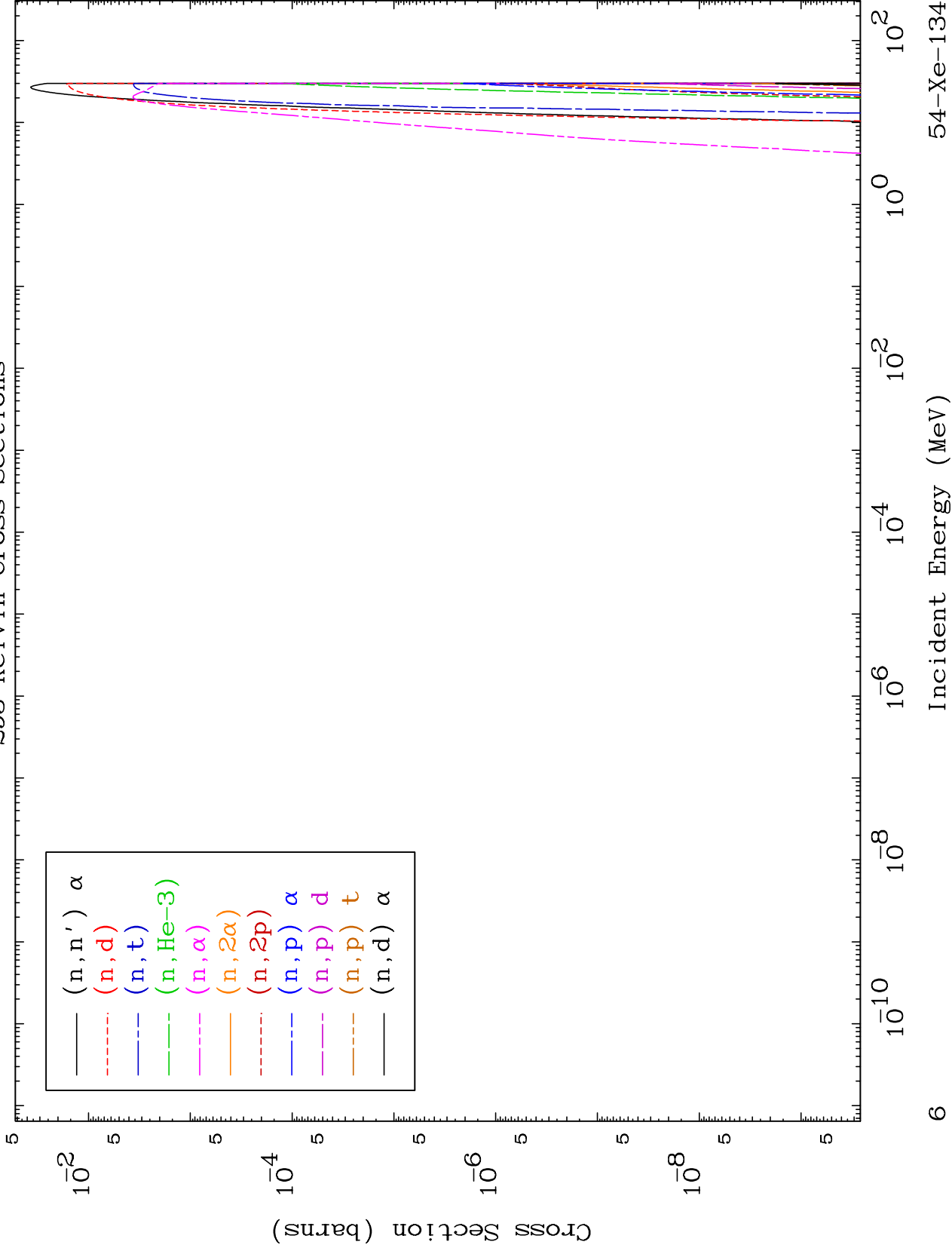




MAT 5455

Charged Particle  
293 Kelvin Cross Sections

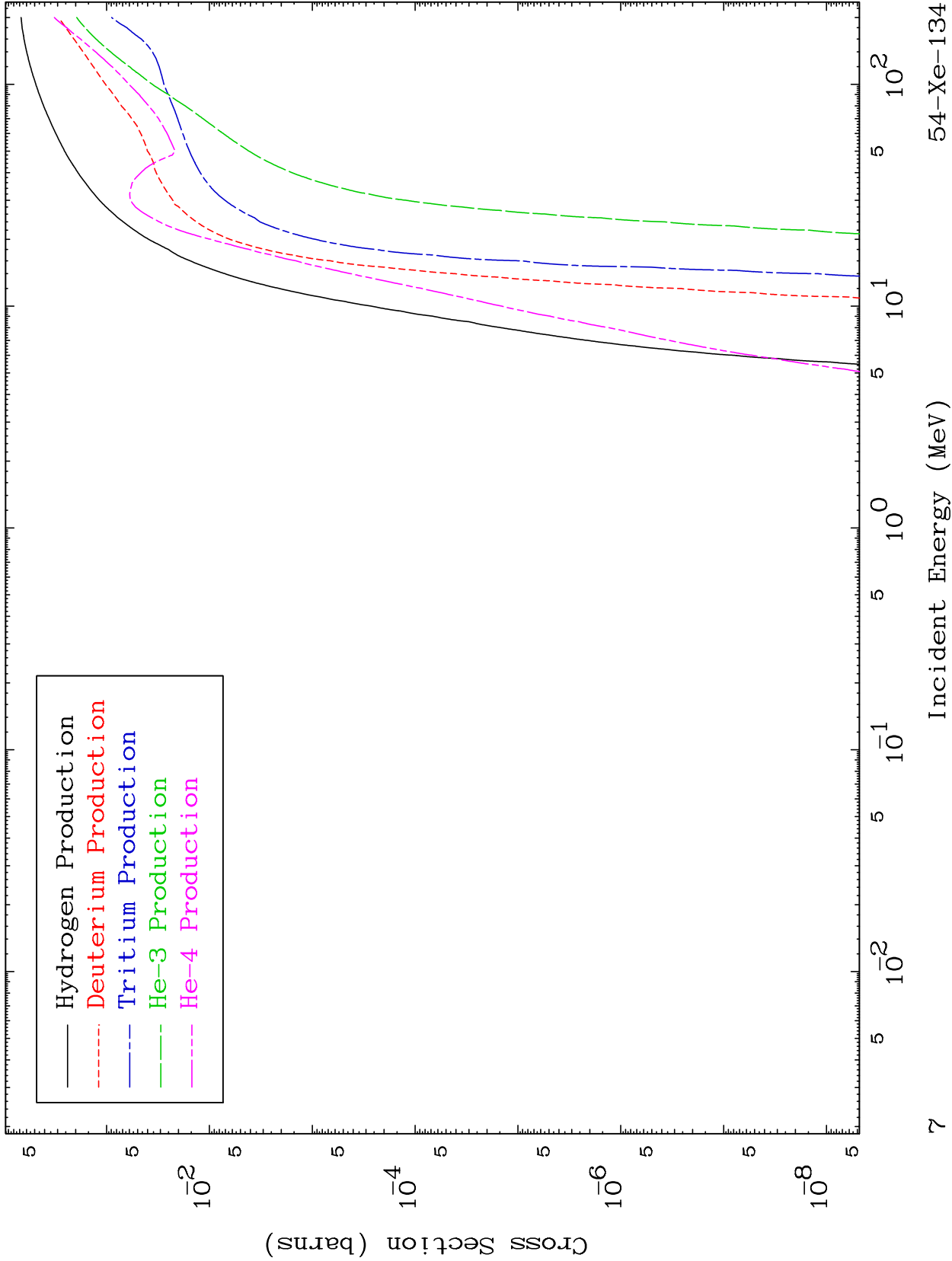
54-Xe-134



MAT 5455

Particle Production  
293 Kelvin Cross Sections

54-Xe-134

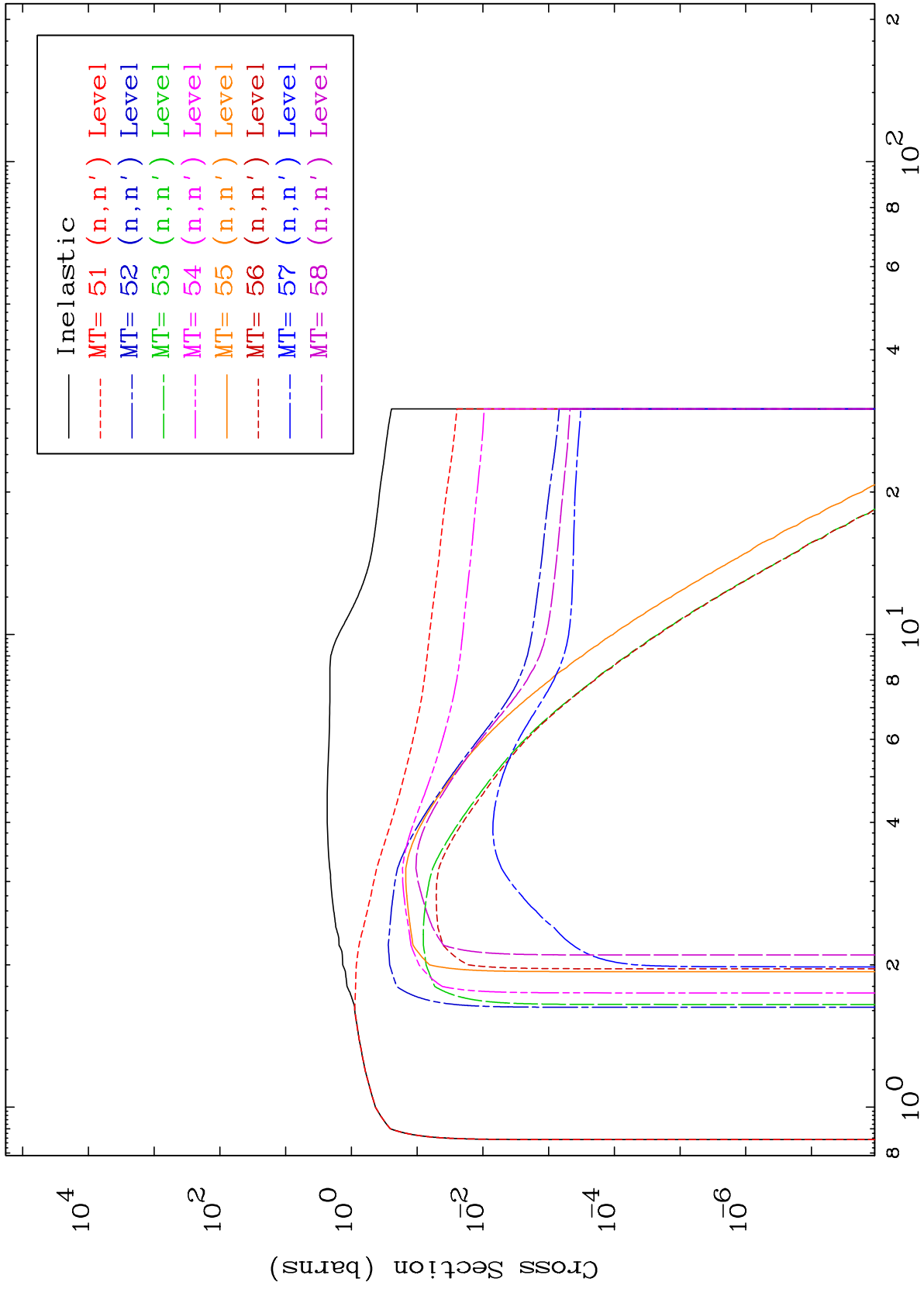


MAT 5455

(n,n') Levels

54-Xe-134

293 Kelvin Cross Sections



Incident Energy (MeV)

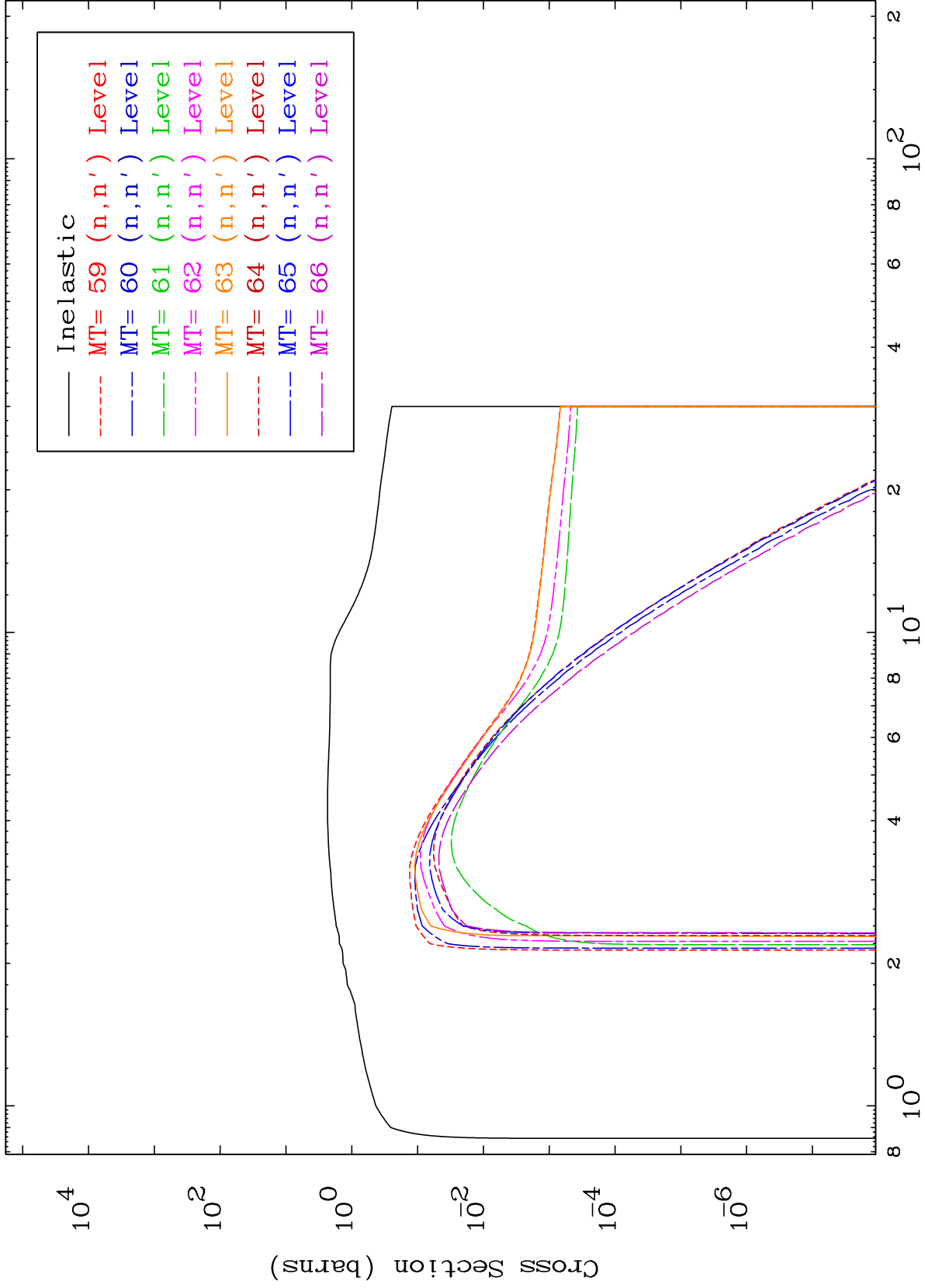
54-Xe-134

MAT 5455

(n,n') Levels

54-Xe-134

293 Kelvin Cross Sections



9

Incident Energy (MeV)

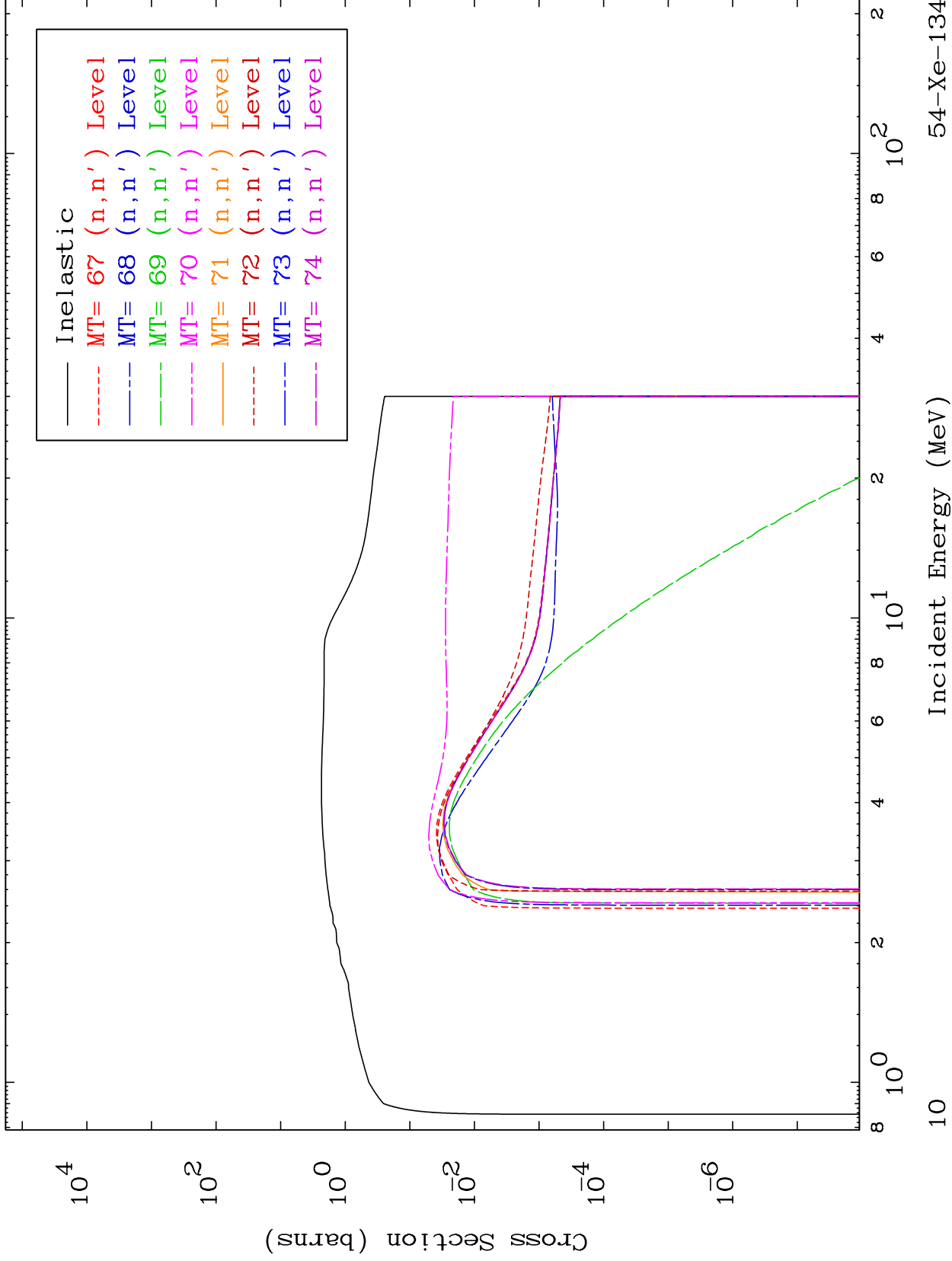
54-Xe-134

MAT 5455

(n,n') Levels

54-Xe-134

293 Kelvin Cross Sections



54-Xe-134

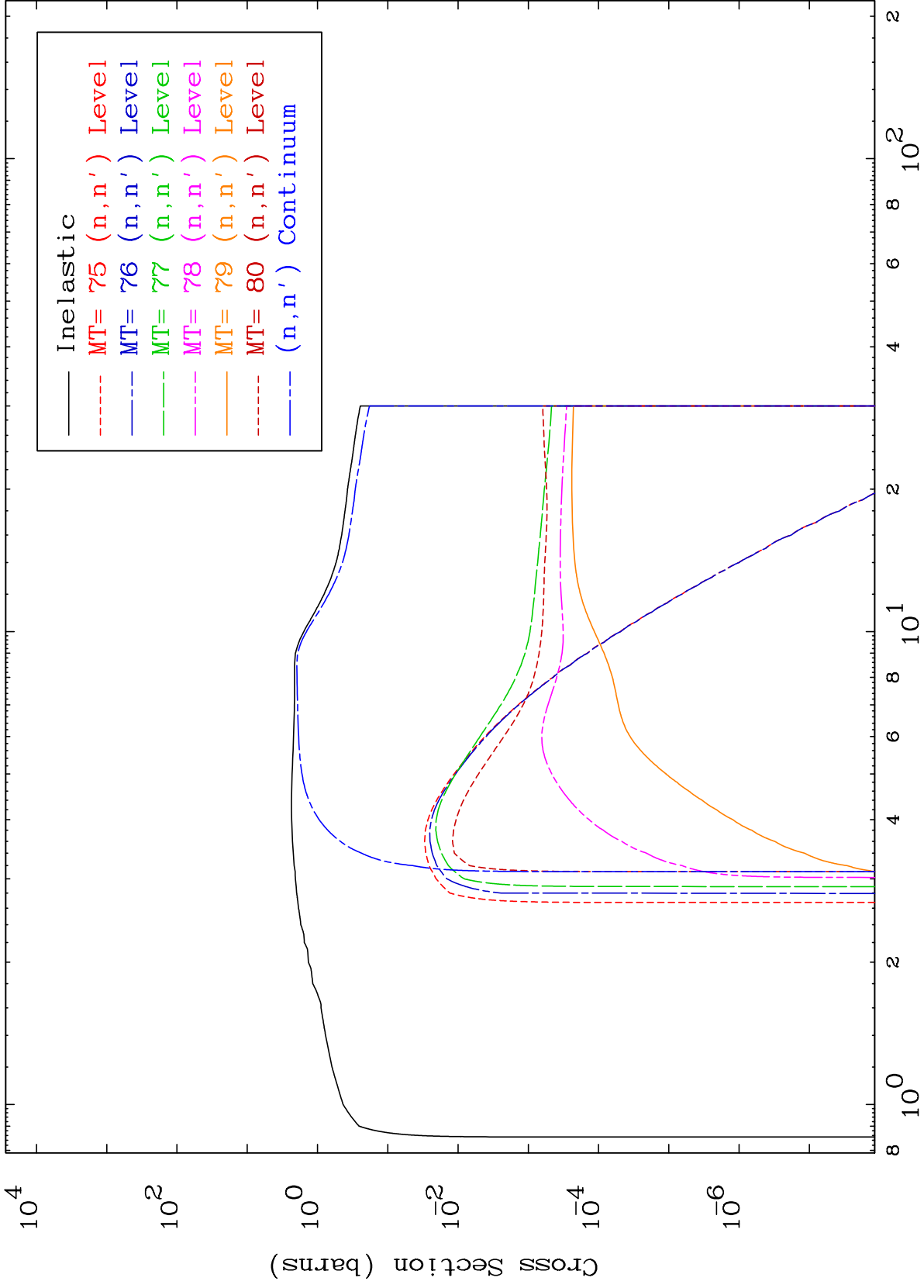
Incident Energy (MeV)

MAT 5455

(n,n') Levels

293 Kelvin Cross Sections

54-Xe-134



11

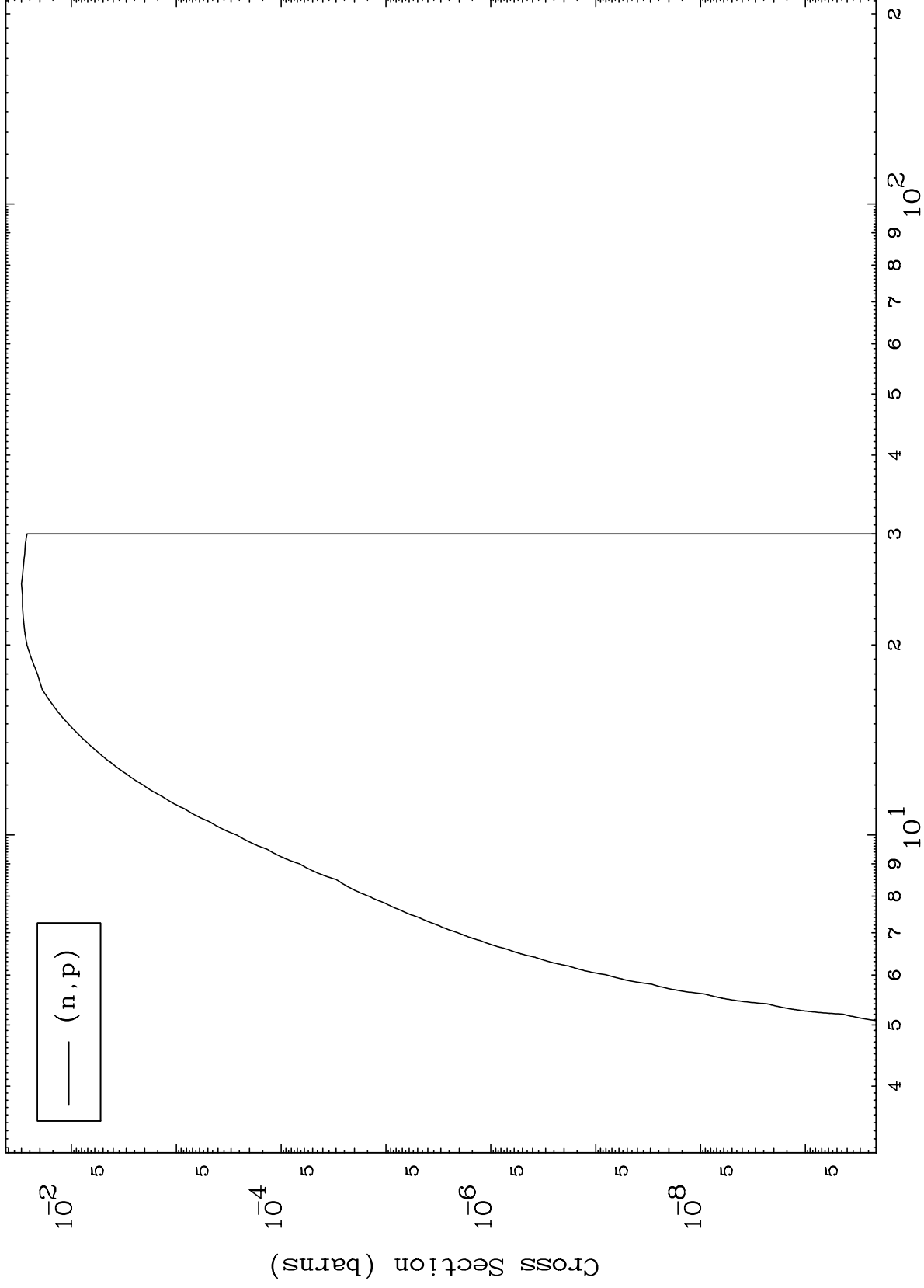
Incident Energy (MeV)

54-Xe-134

MAT 5455

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-134



12

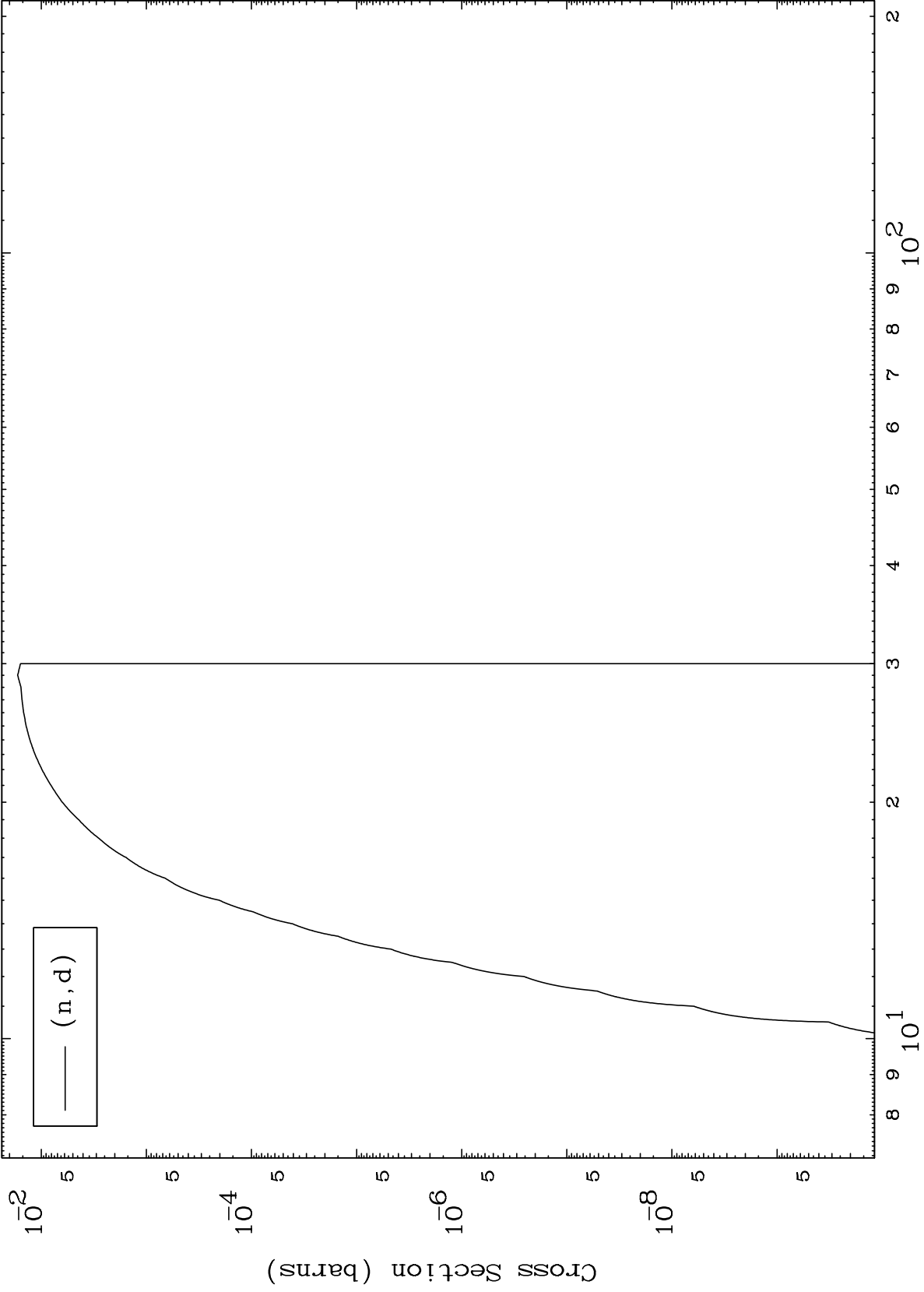
Incident Energy (MeV)

54-Xe-134

MAT 5455

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-134



13

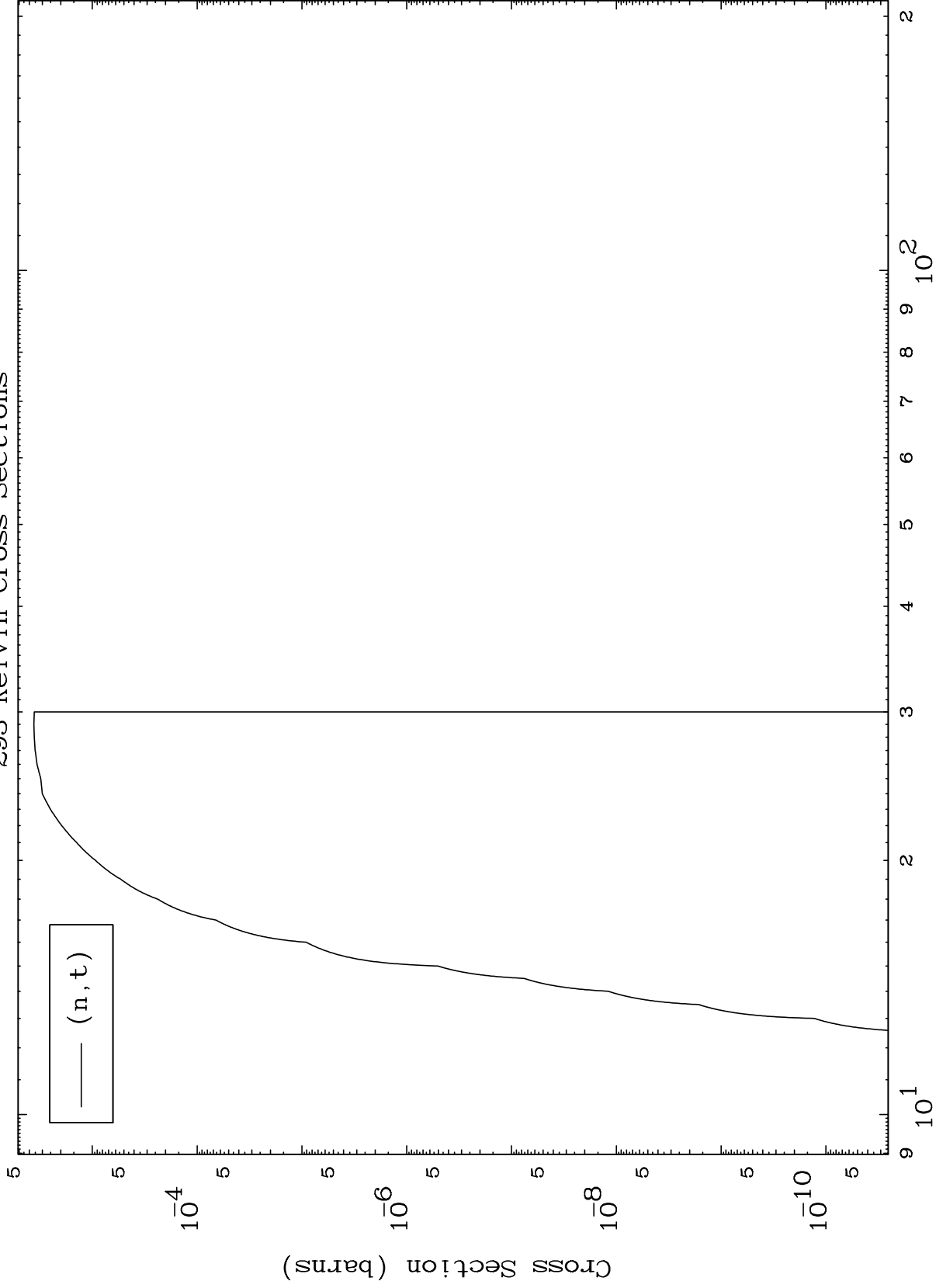
Incident Energy (MeV)

54-Xe-134

MAT 5455

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-134



Incident Energy (MeV)

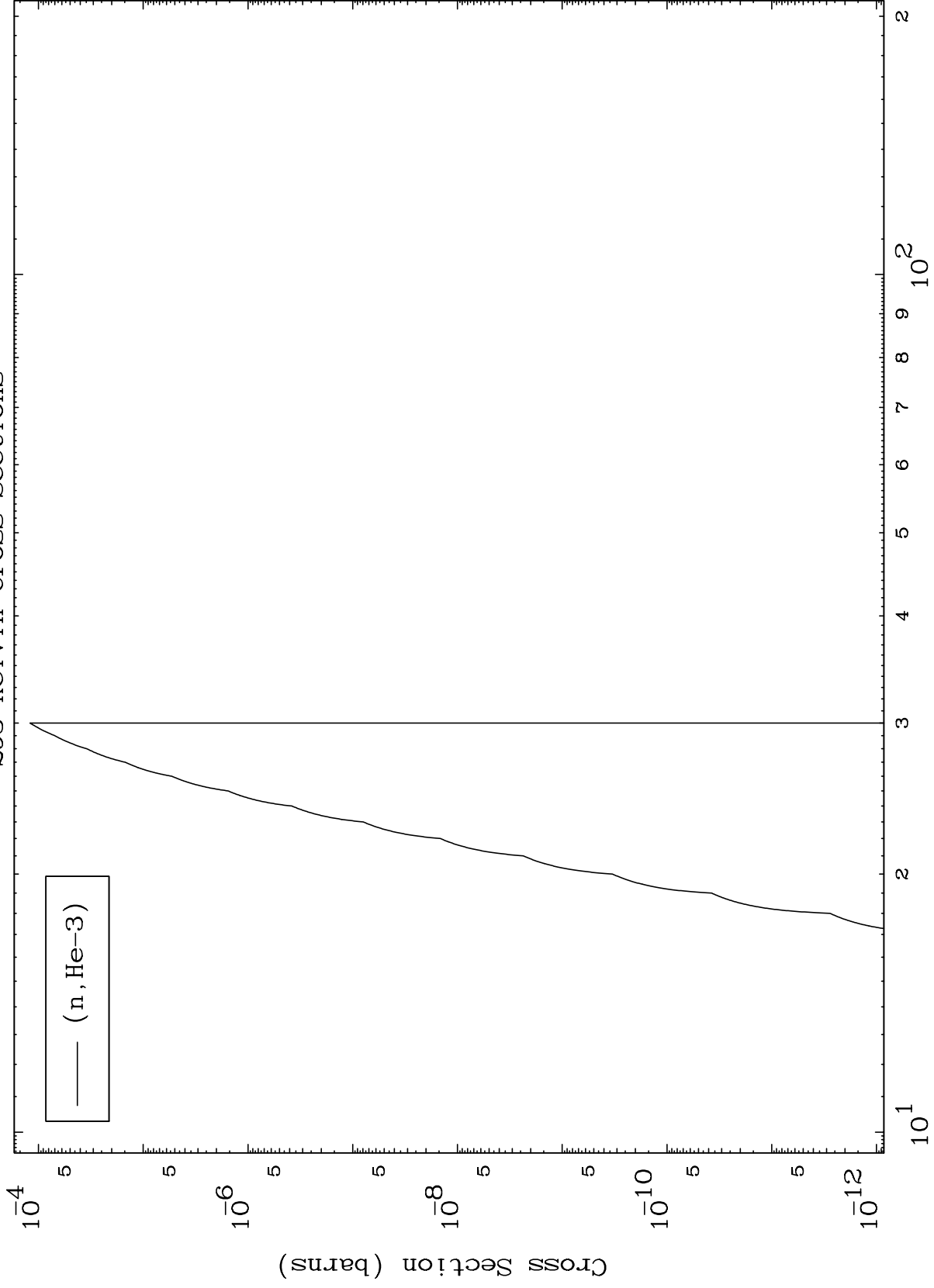
54-Xe-134

14

MAT 5455

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-134



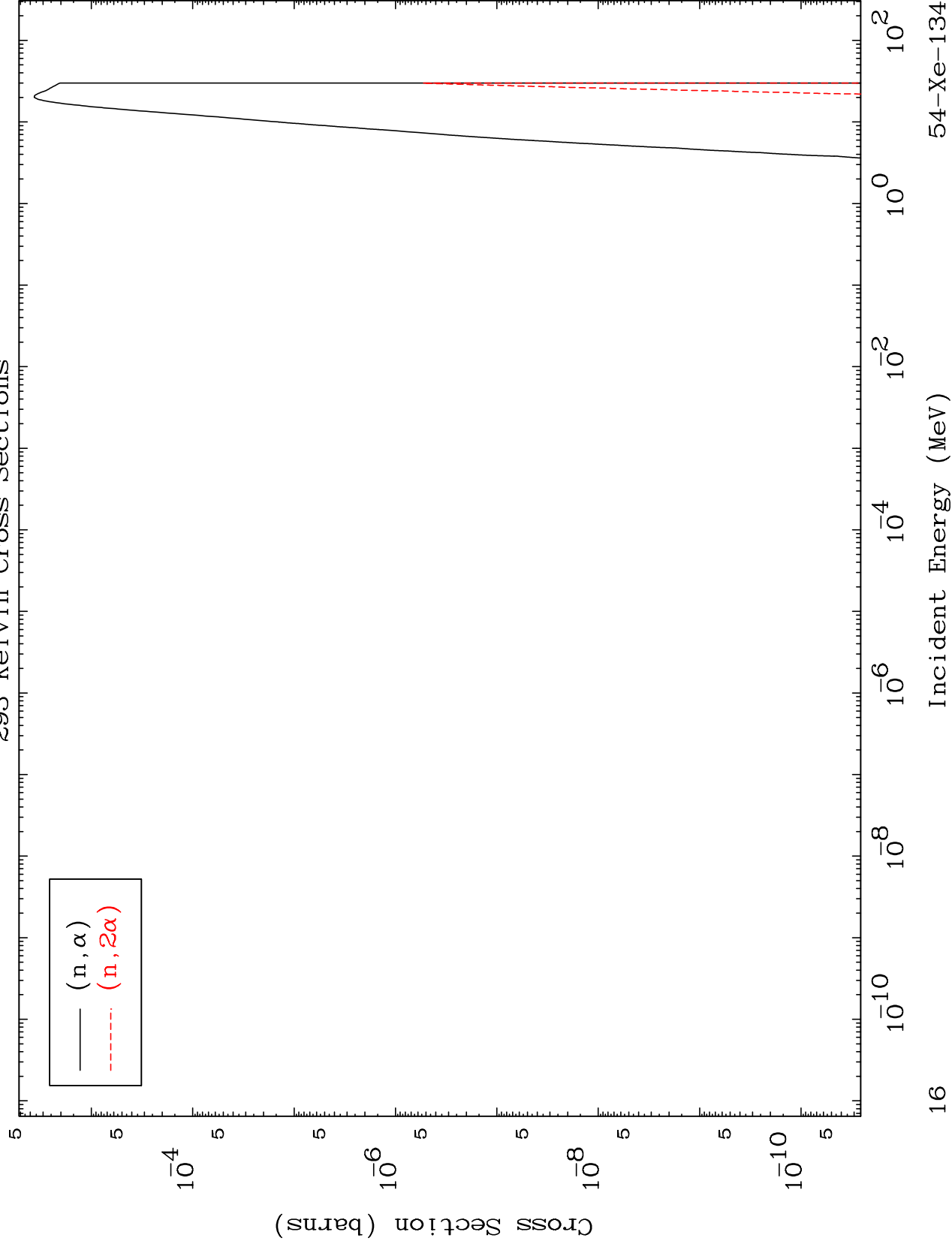
54-Xe-134

Incident Energy (MeV)

MAT 5455

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

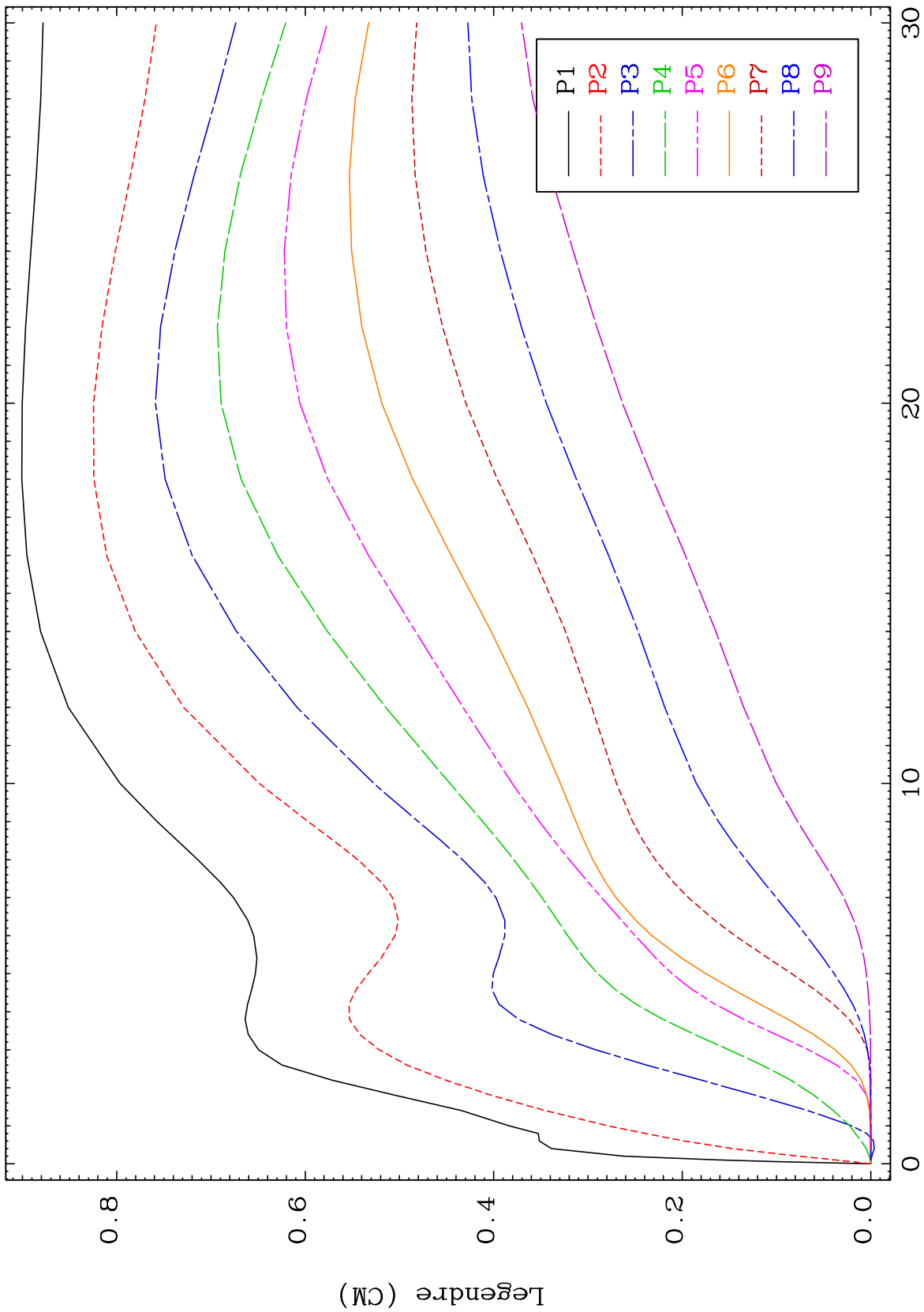
54-Xe-134



MAT 5455

54-Xe-134

Elastic Legendre Coefficients



17

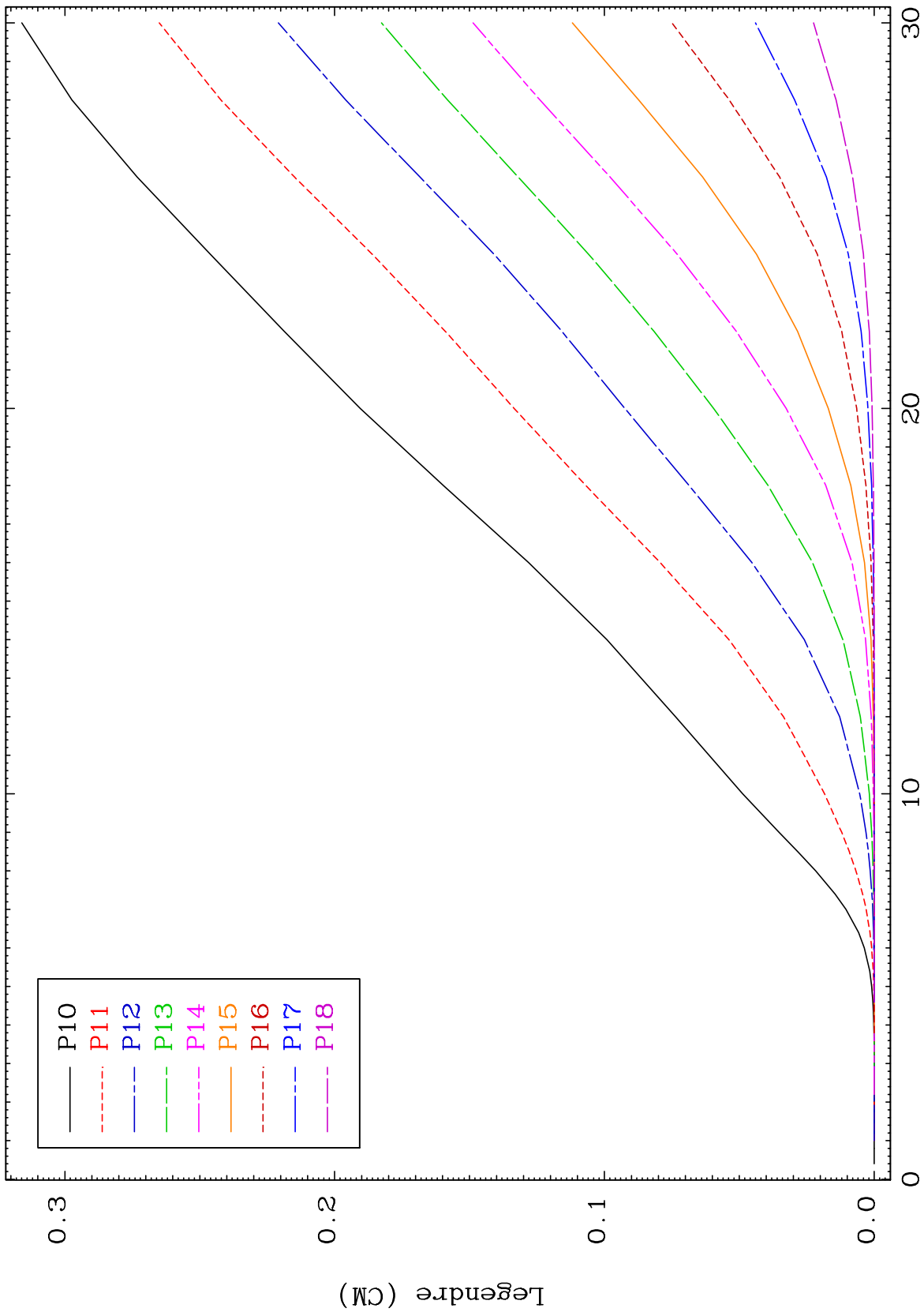
Incident Energy (MeV)

54-Xe-134

MAT 5455

Elastic Legendre Coefficients

54-Xe-134



18

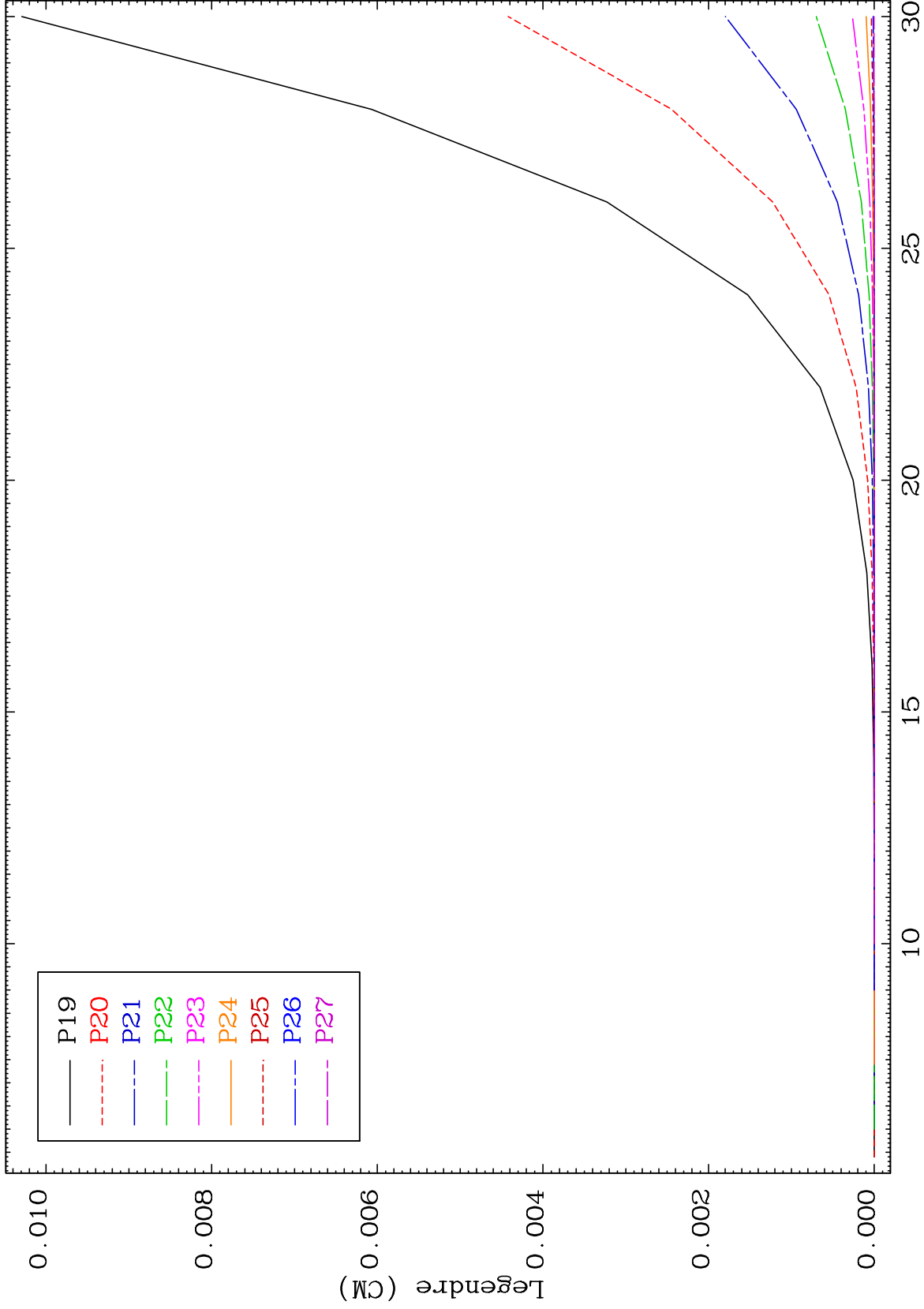
Incident Energy (MeV)

54-Xe-134

MAT 5455

### Elastic Legendre Coefficients

54-Xe-134



19

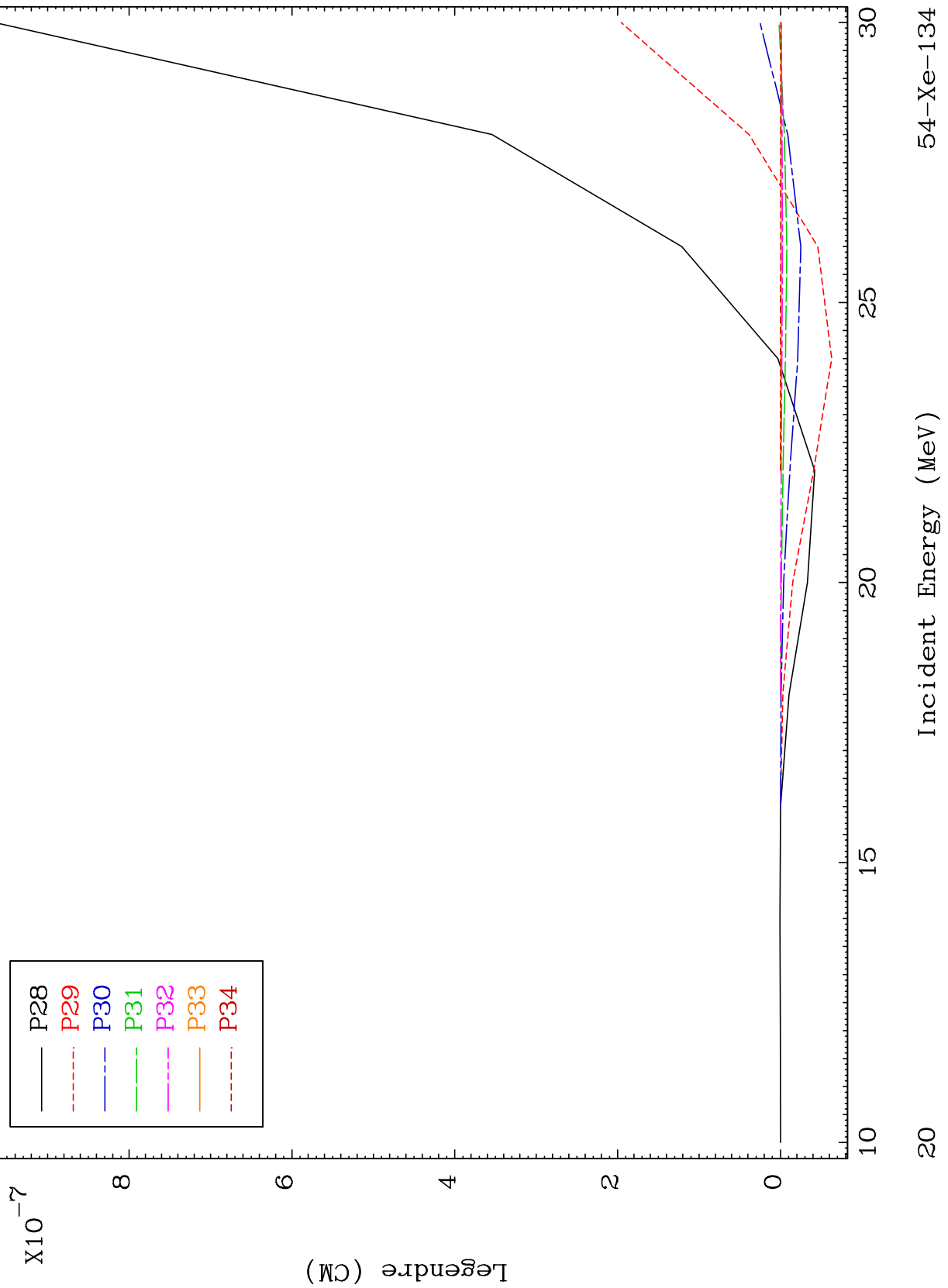
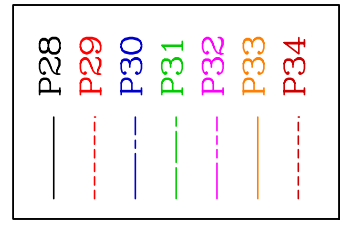
Incident Energy (MeV)

54-Xe-134

MAT 5455

Elastic Legendre Coefficients

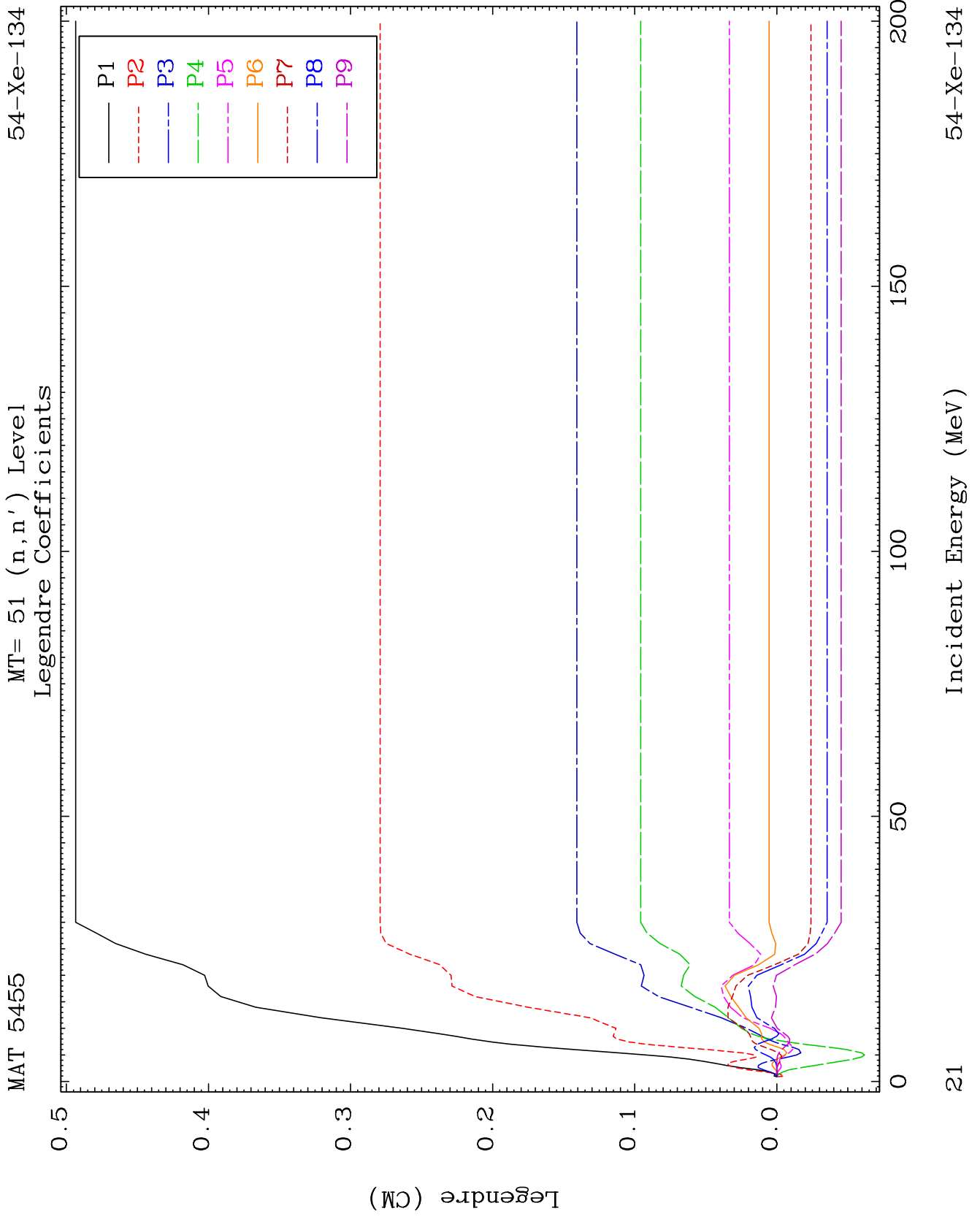
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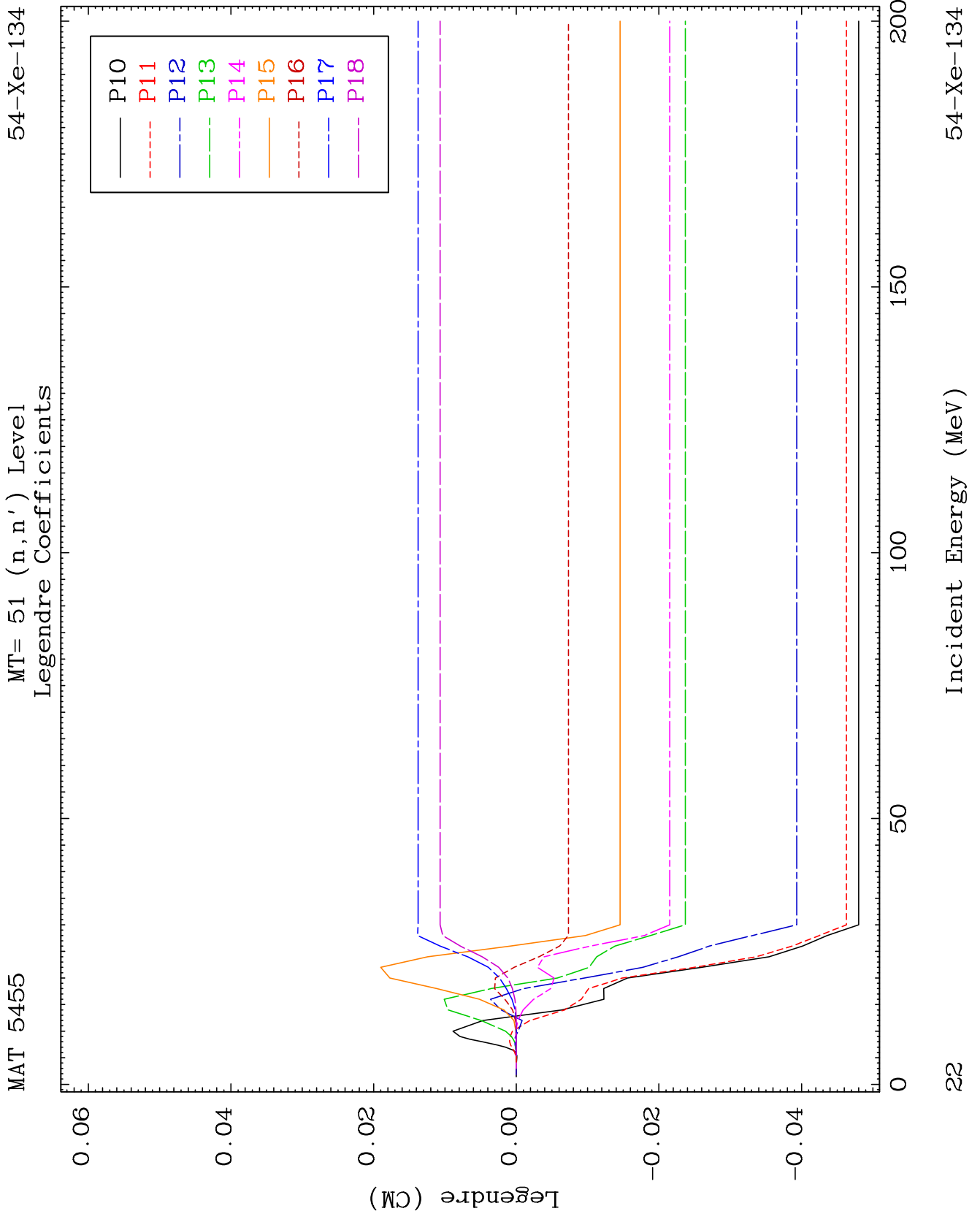


54-Xe-134

Incident Energy (MeV)

20

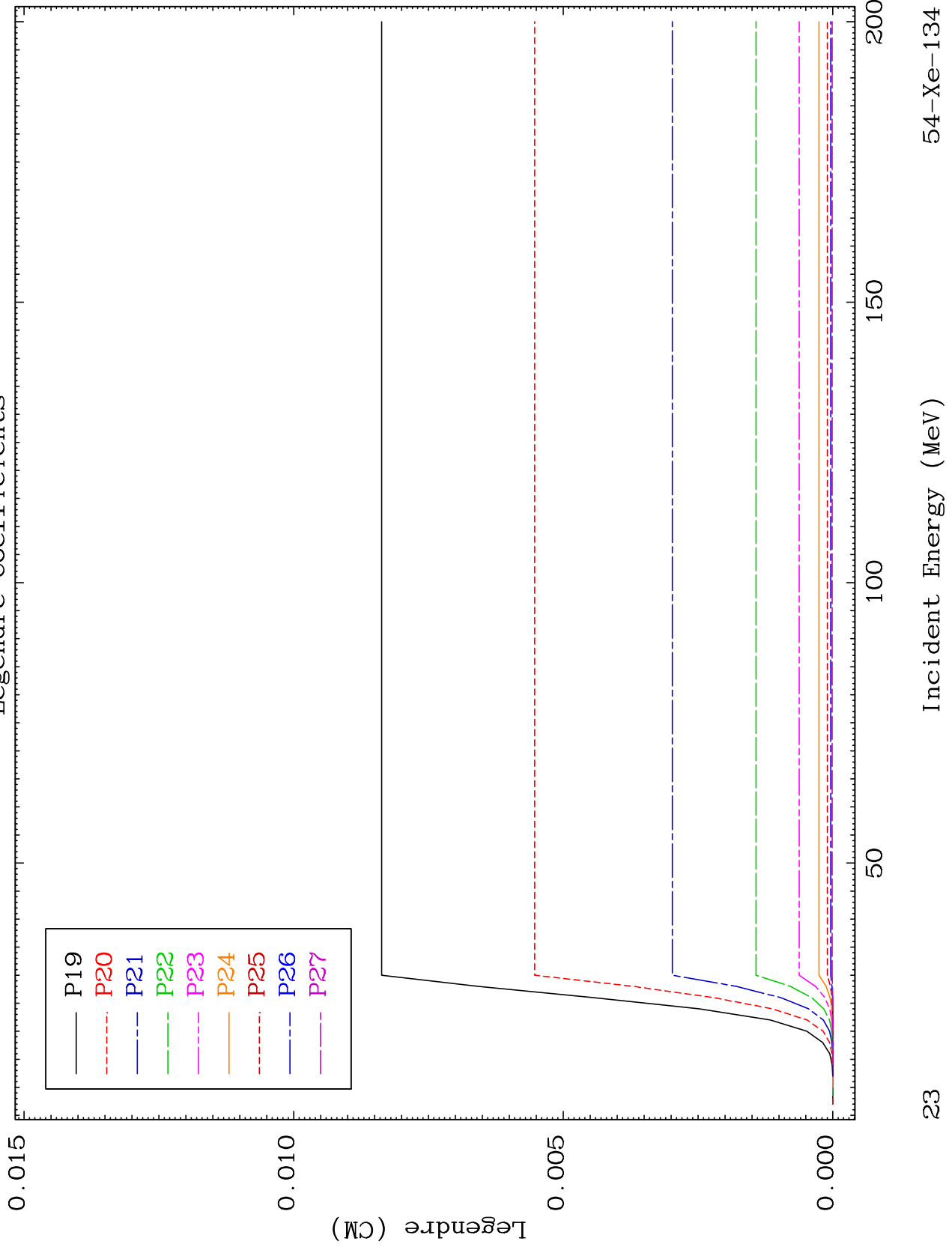




MAT 5455

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

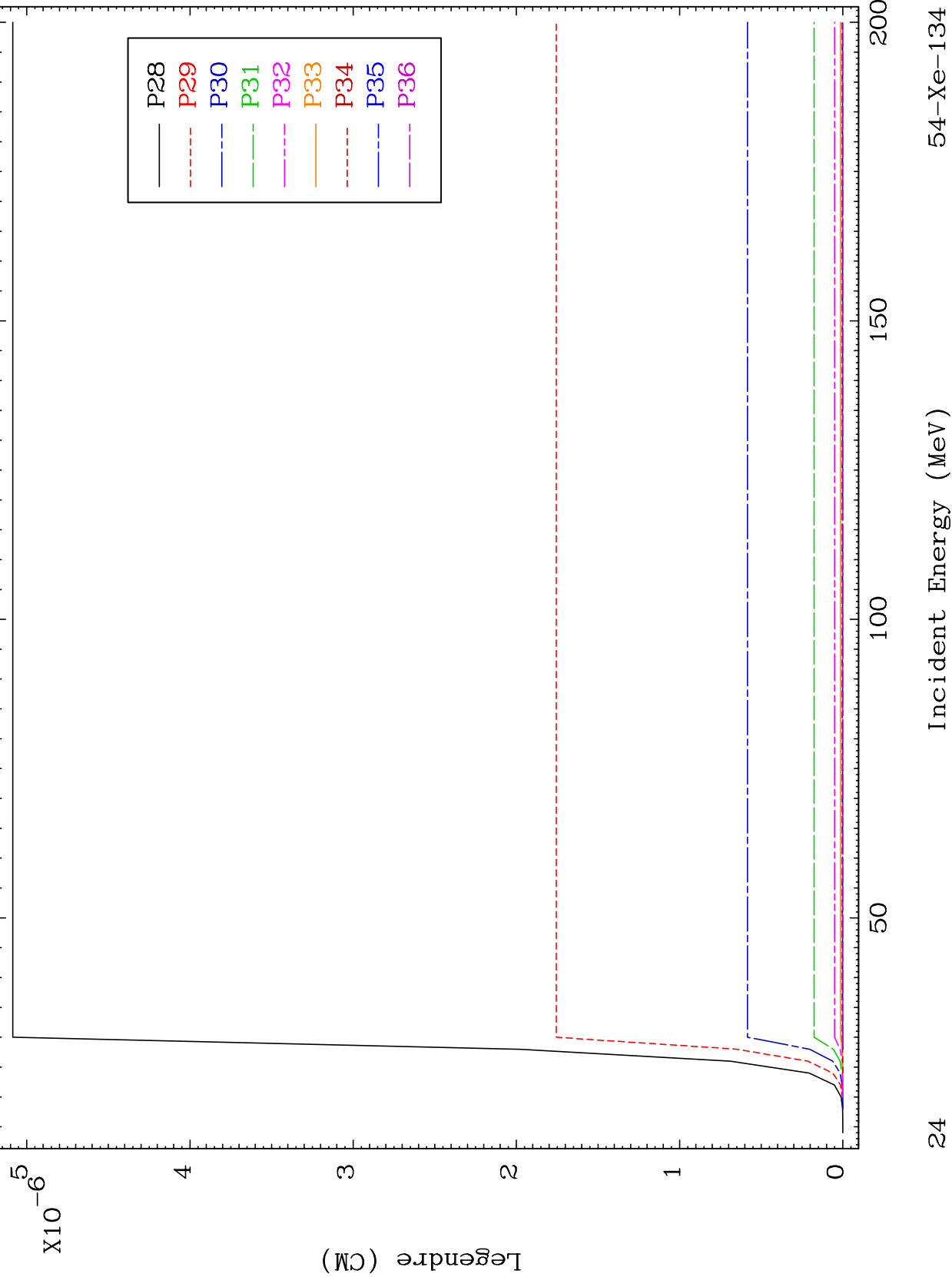
54-Xe-134



MAT 5455

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

54-Xe-134



24

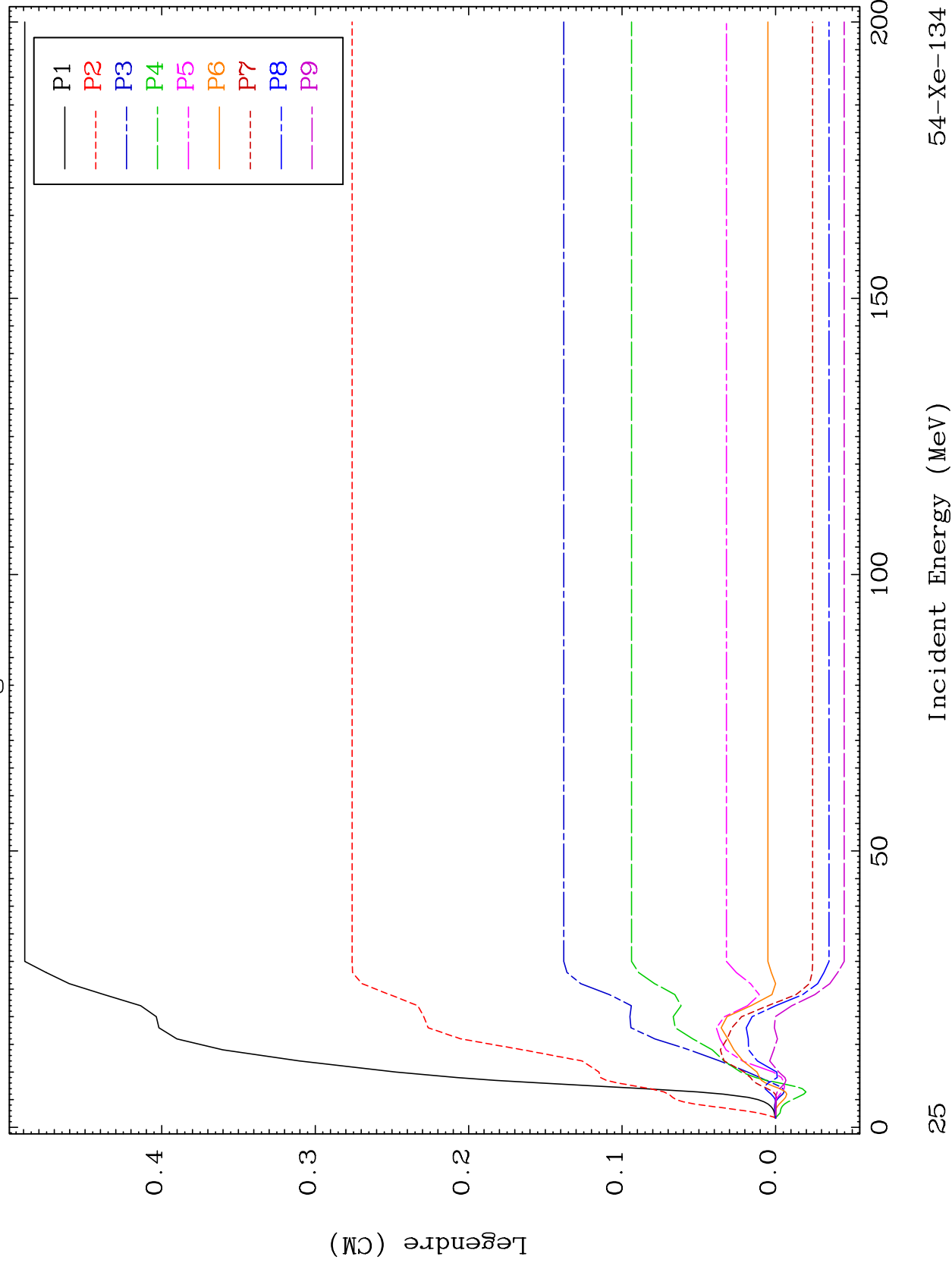
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



54-Xe-134

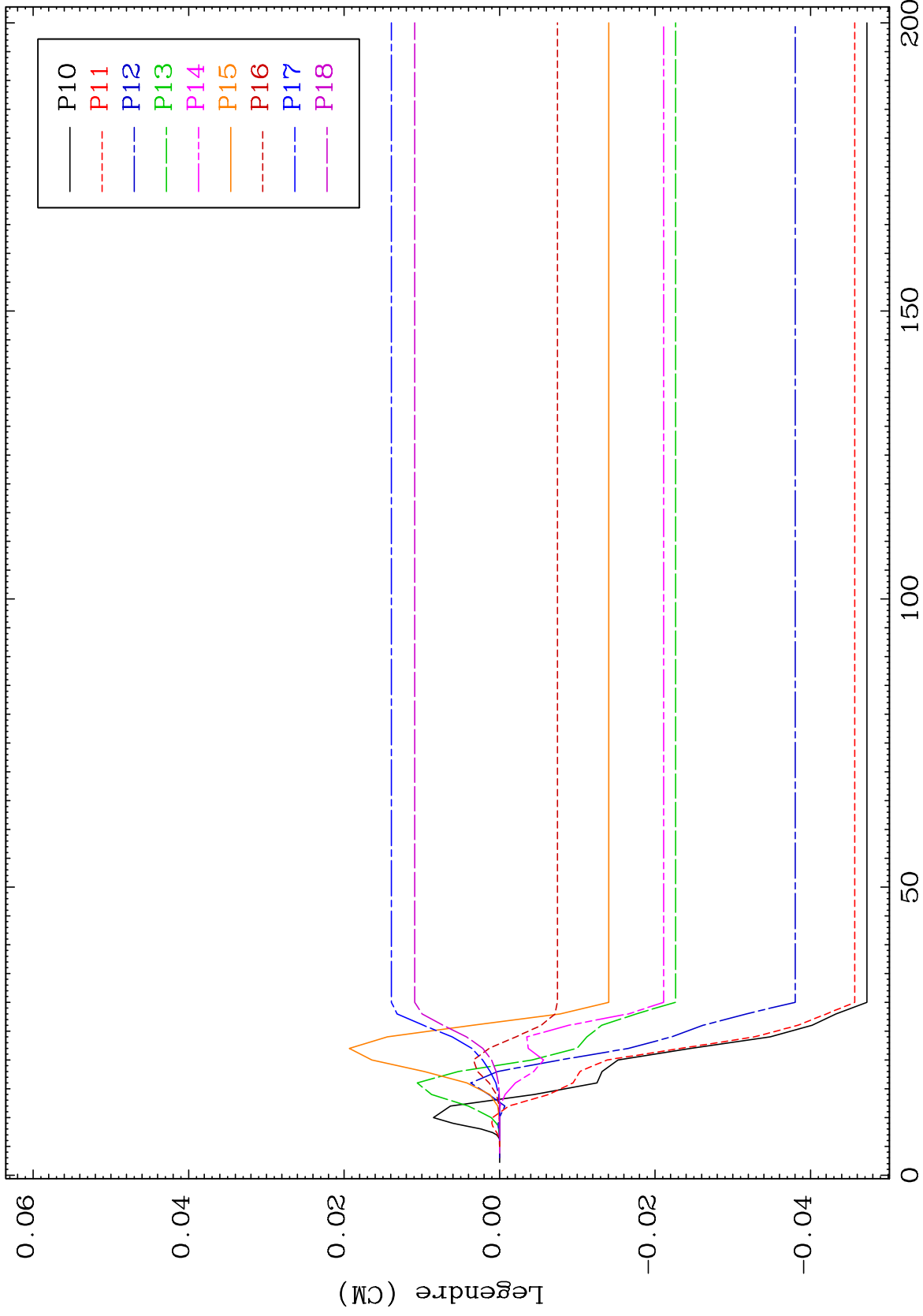
Incident Energy (MeV)

25

MAT 5455

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

54-Xe-134



26

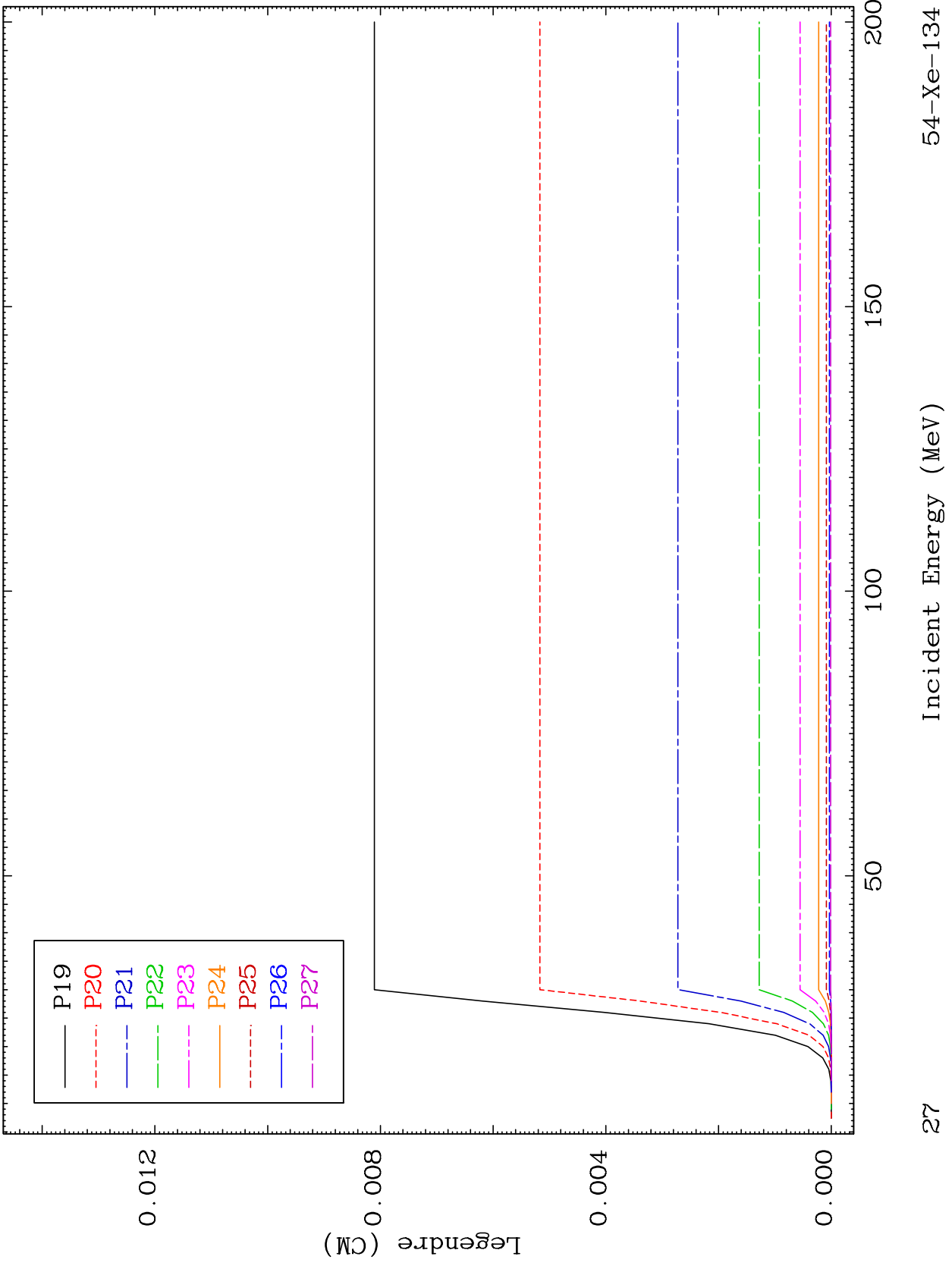
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

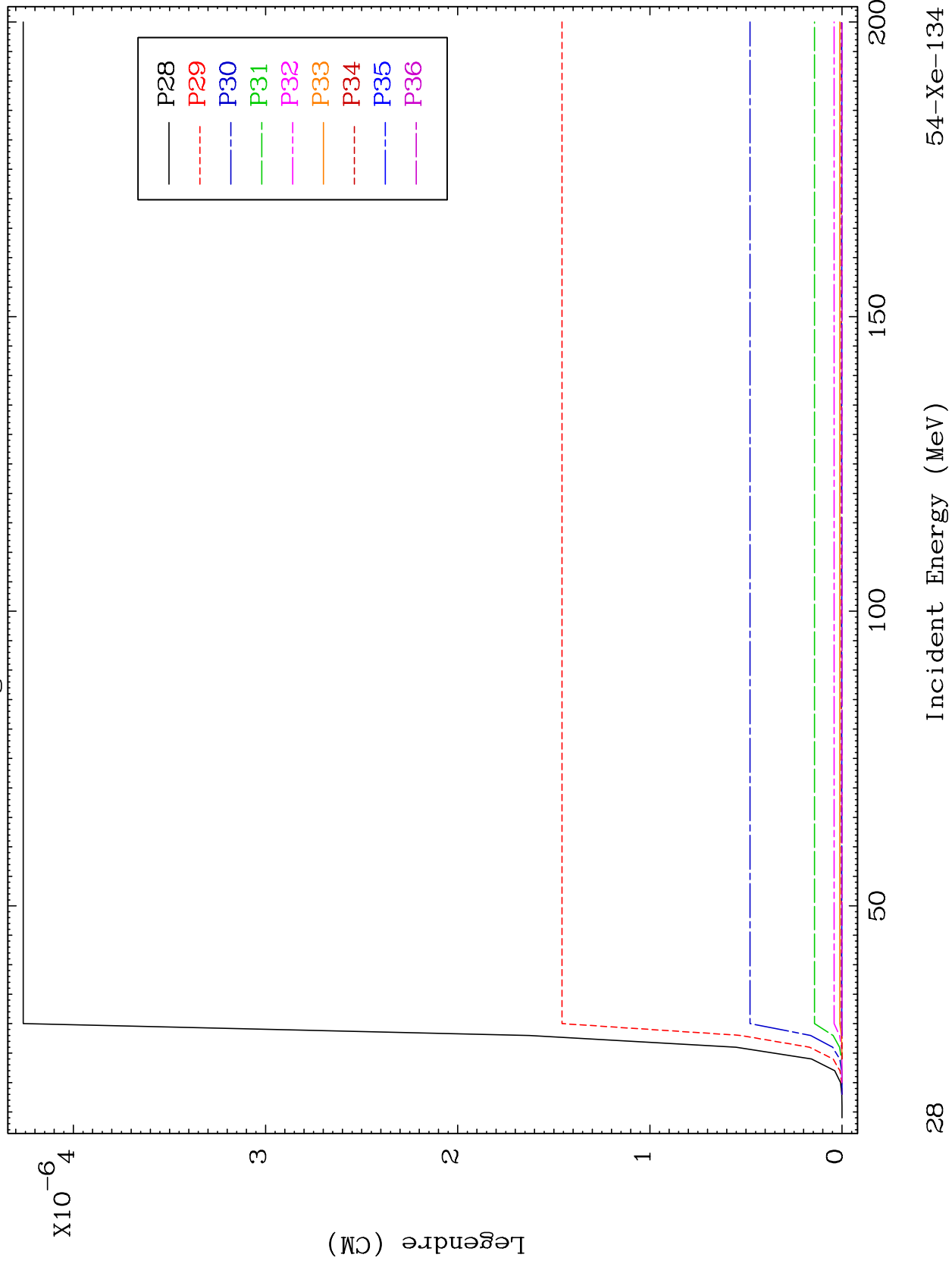
54-Xe-134



MAT 5455

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

54-Xe-134



28

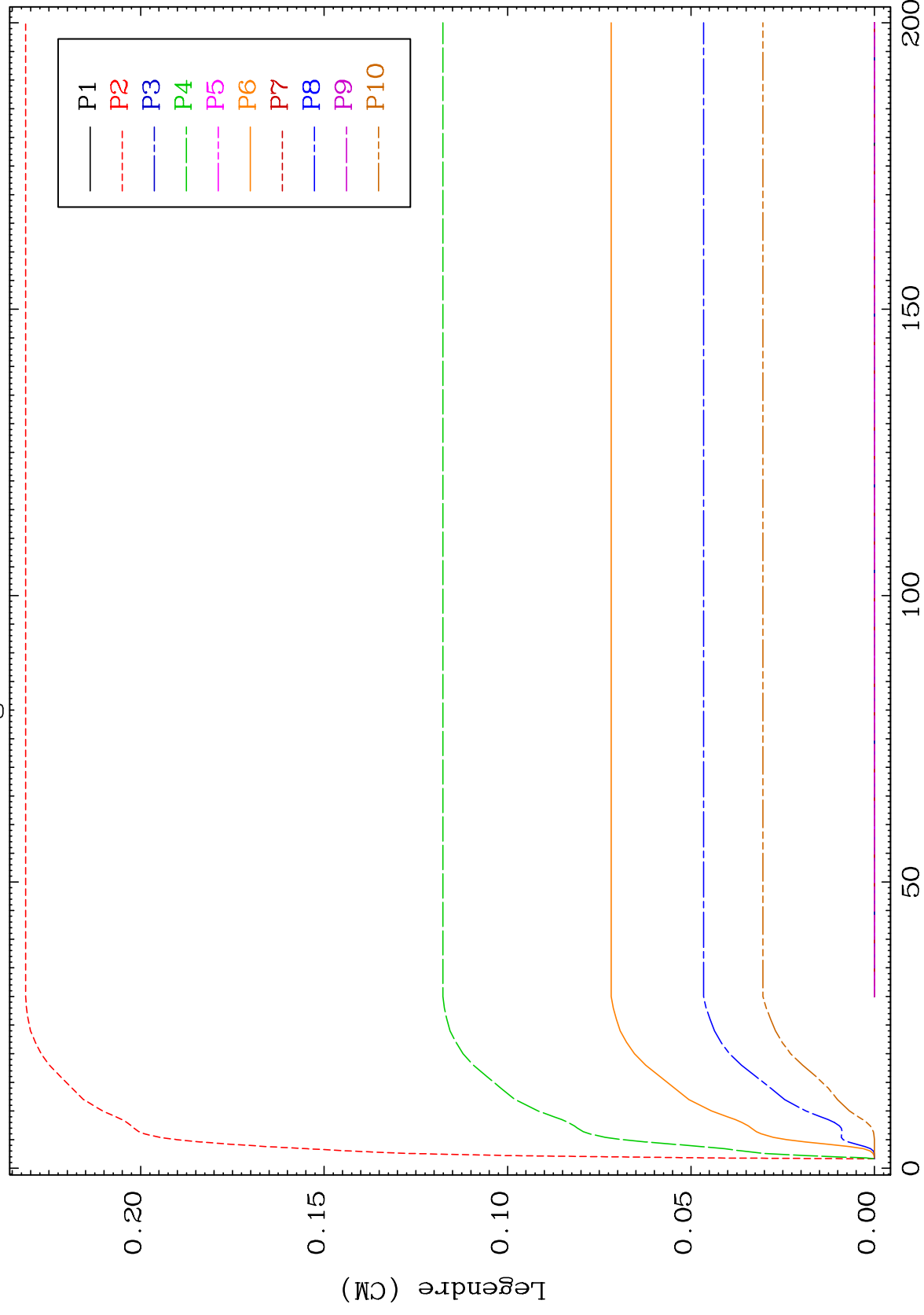
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



29

Incident Energy (MeV)

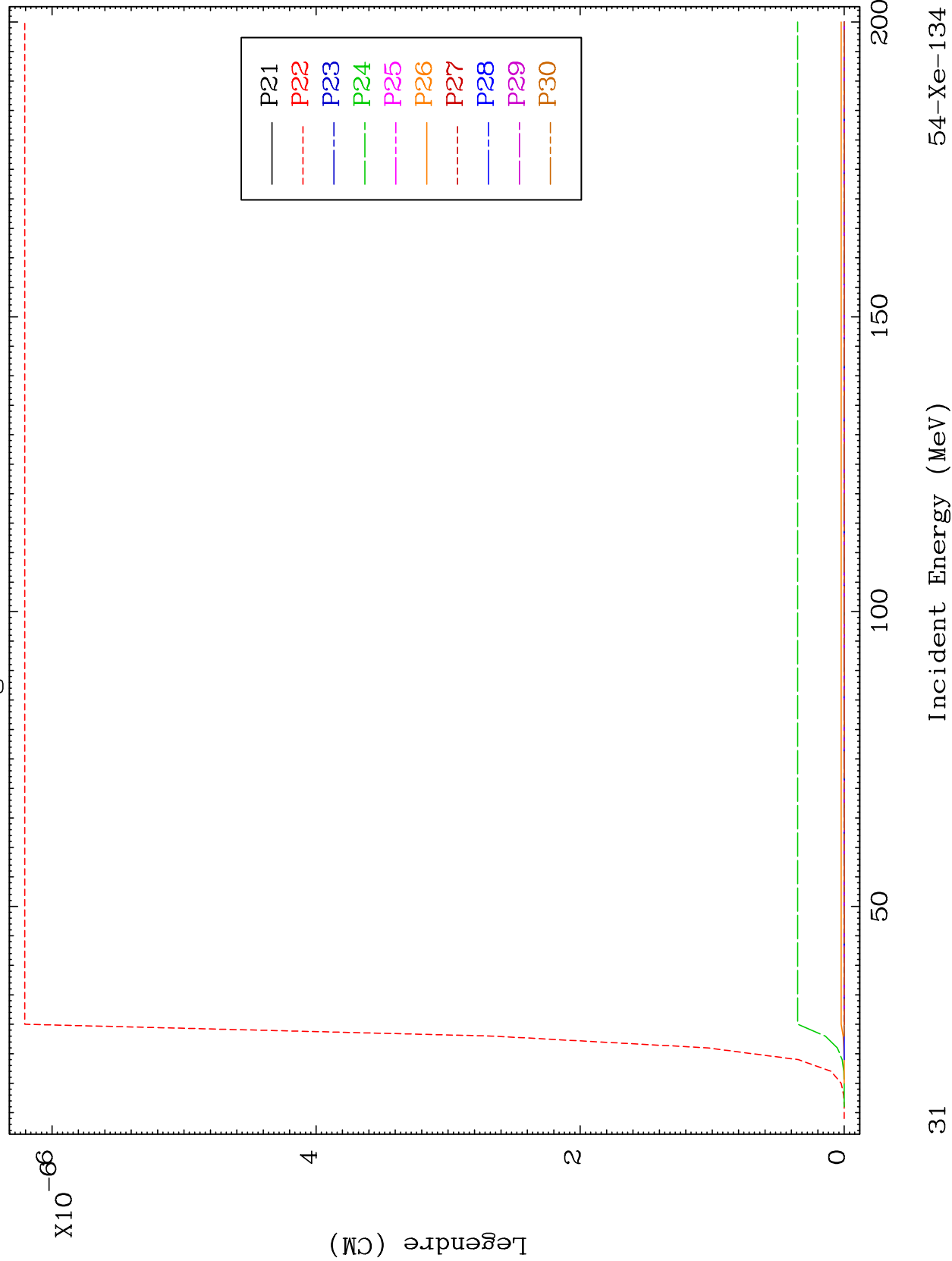
54-Xe-134



MAT 5455

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

54-Xe-134



31

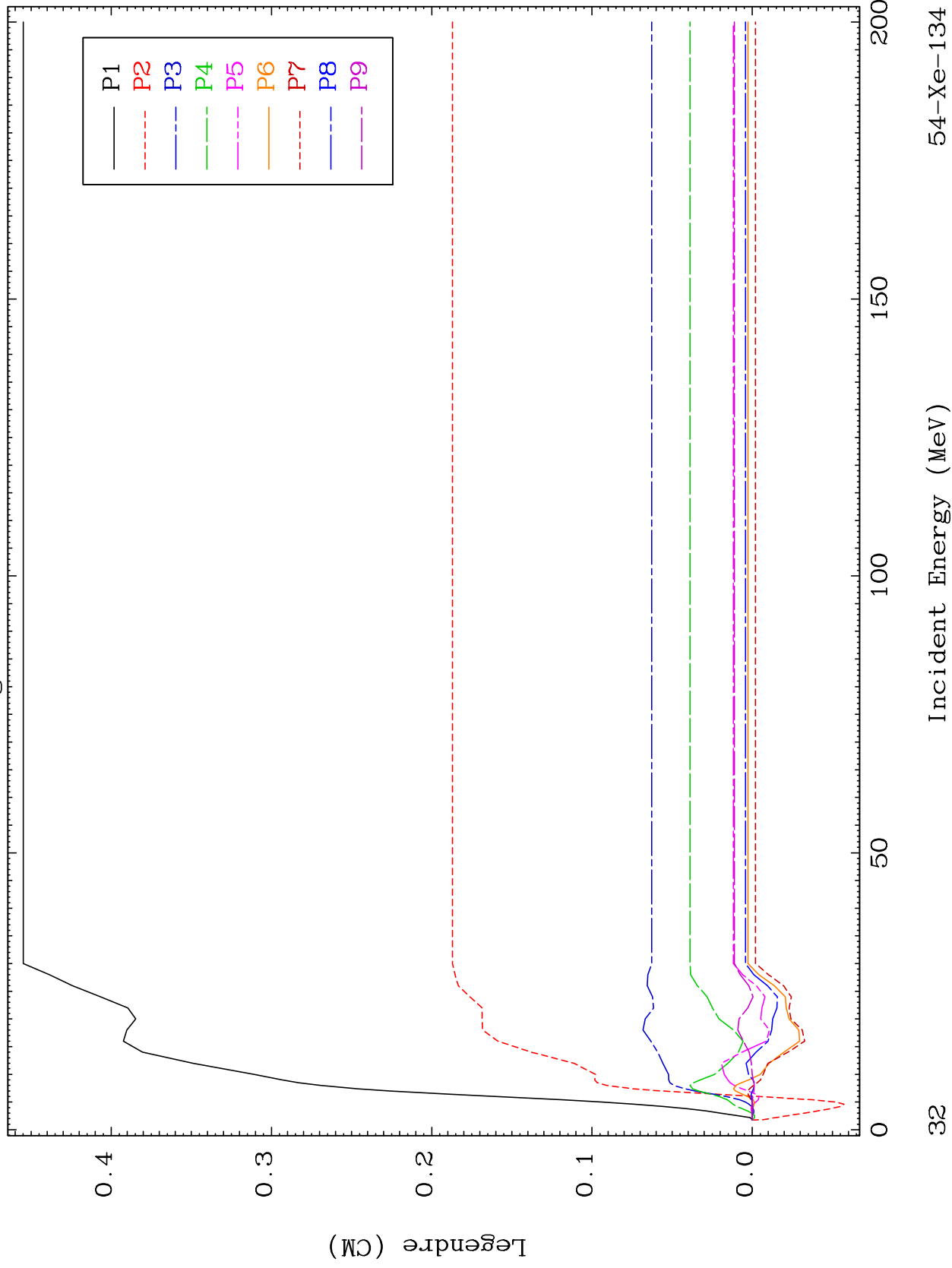
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



54-Xe-134

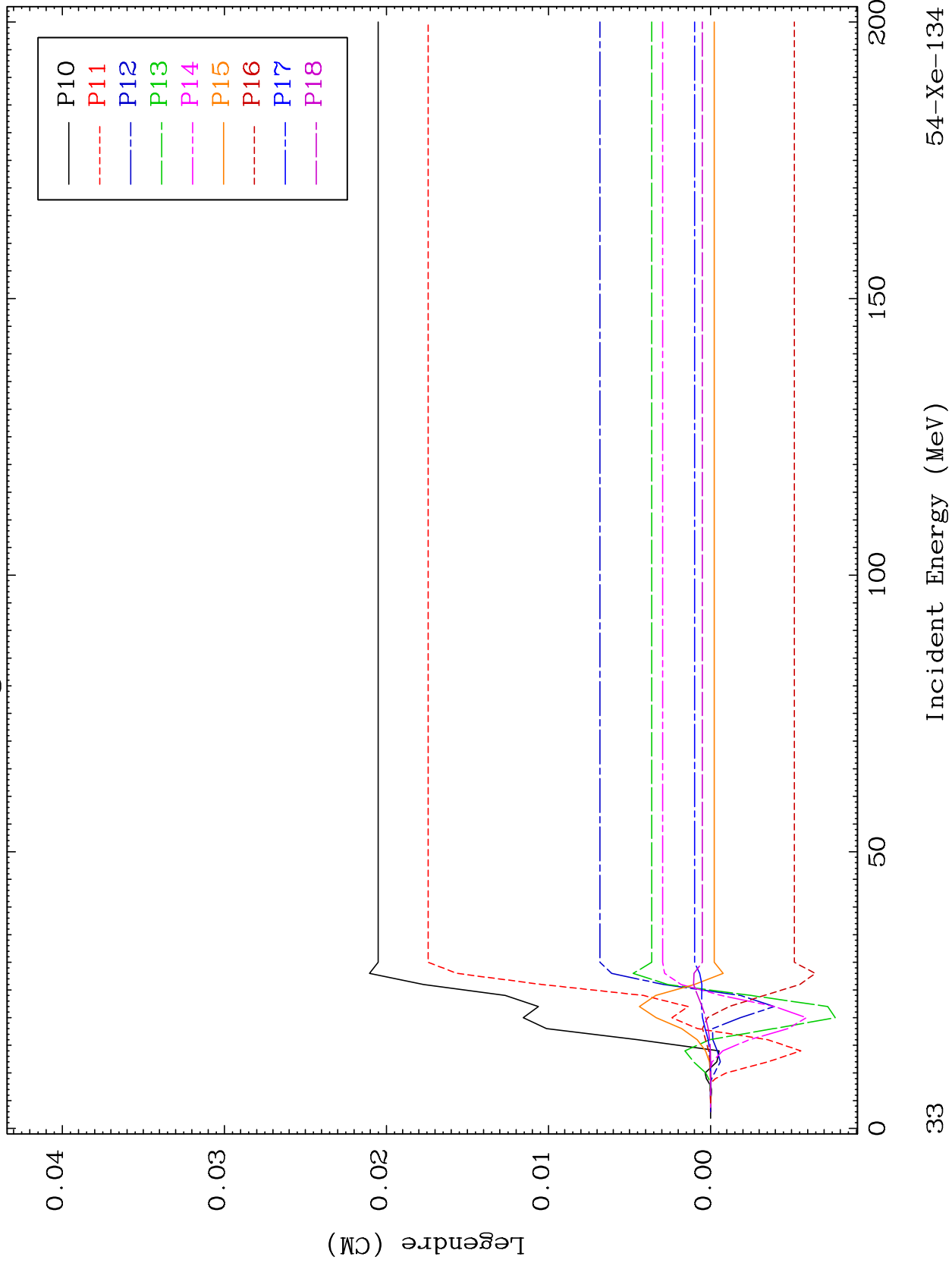
Incident Energy (MeV)

32

MAT 5455

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

54-Xe-134



54-Xe-134

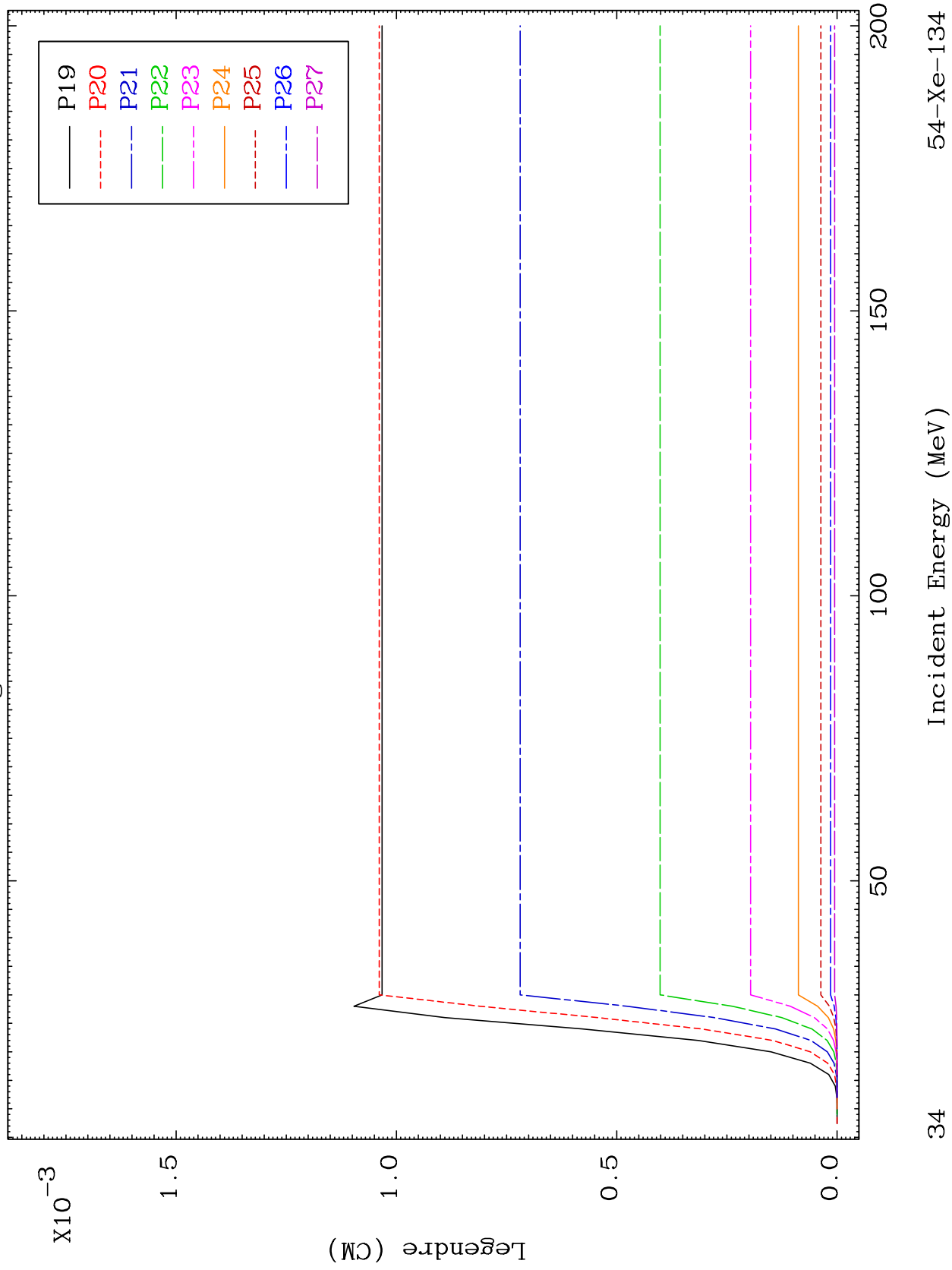
Incident Energy (MeV)

33

MAT 5455

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

54-Xe-134



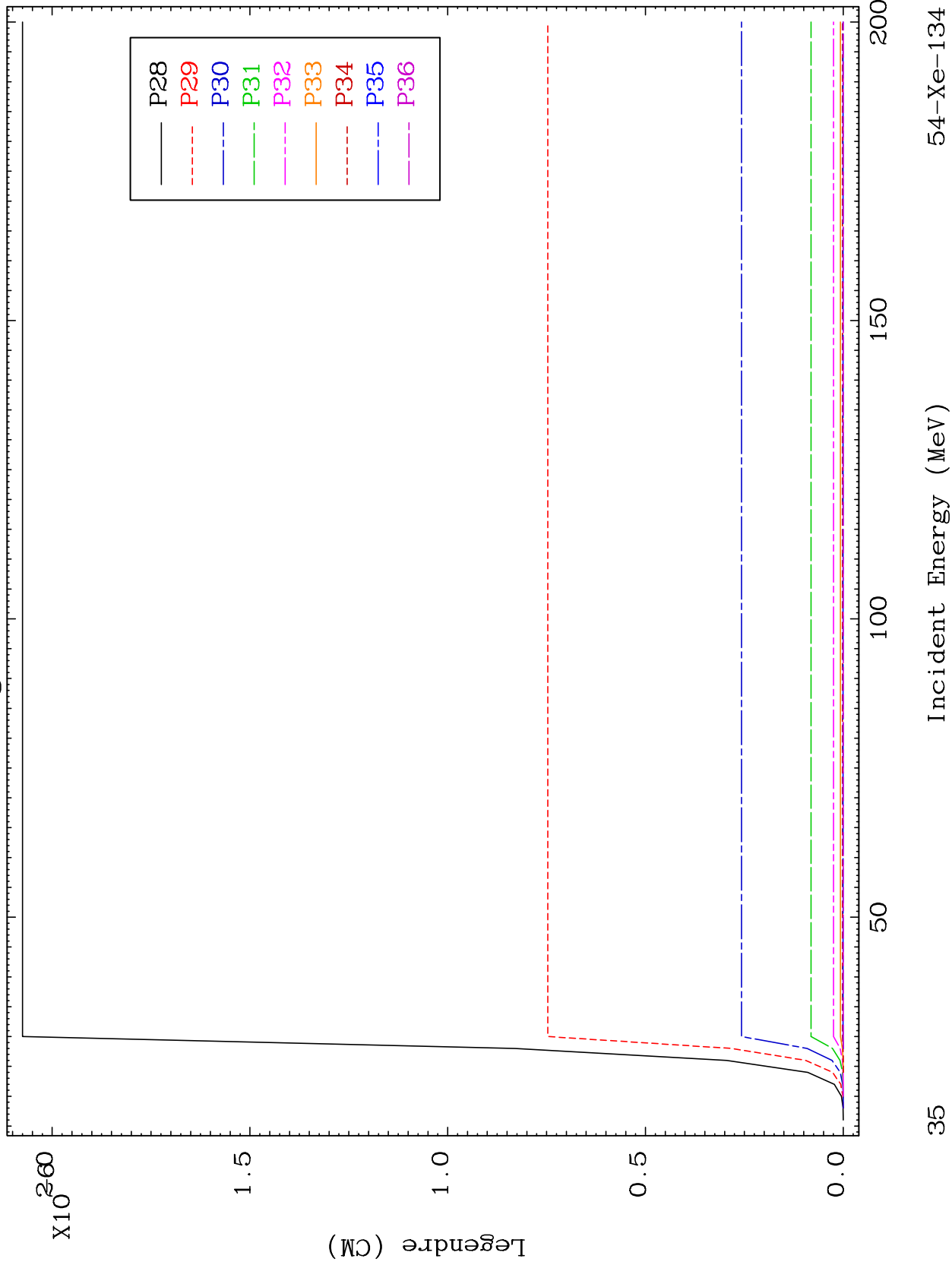
34

200

MAT 5455

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

54-Xe-134

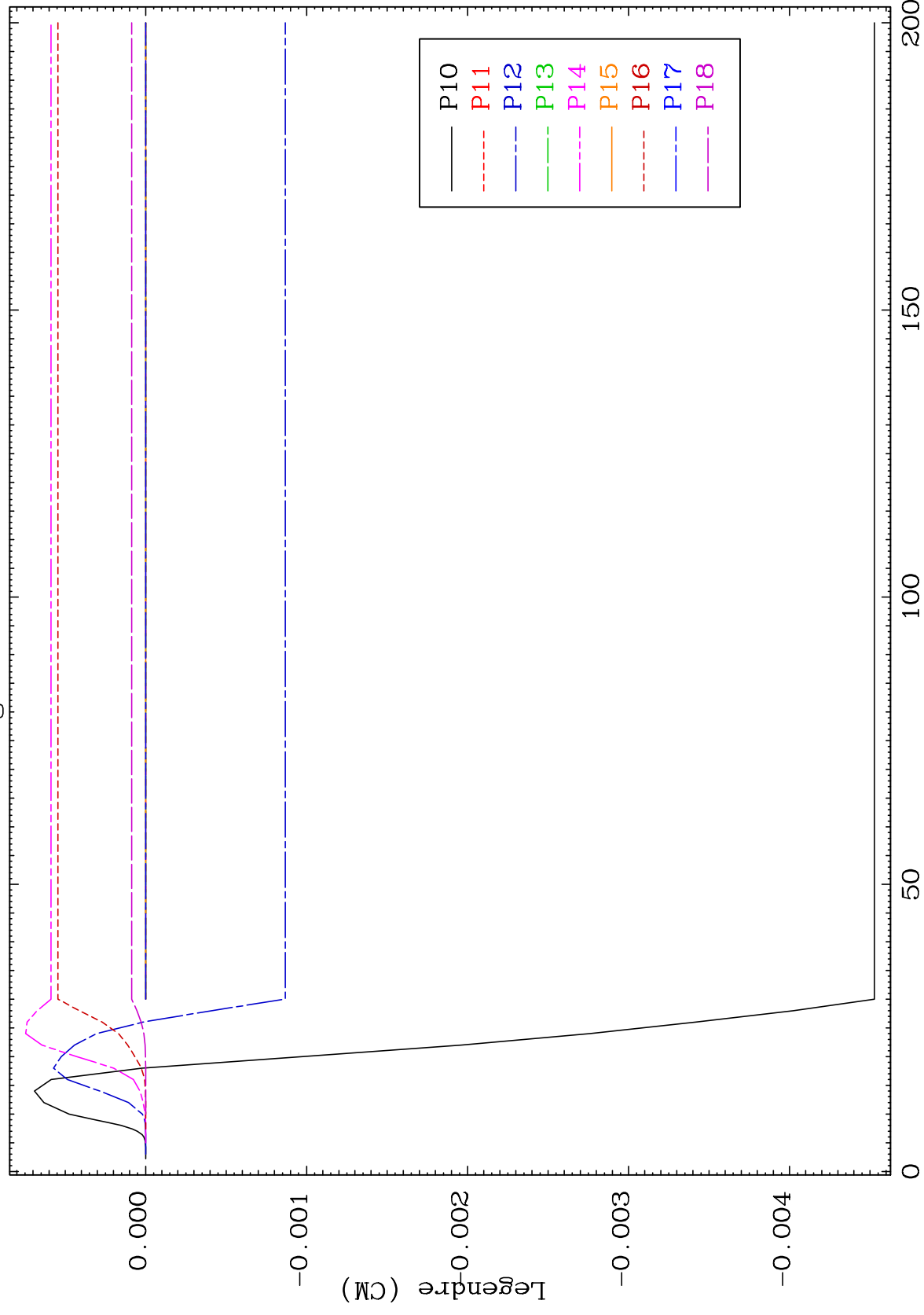




MAT 5455

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

54-Xe-134

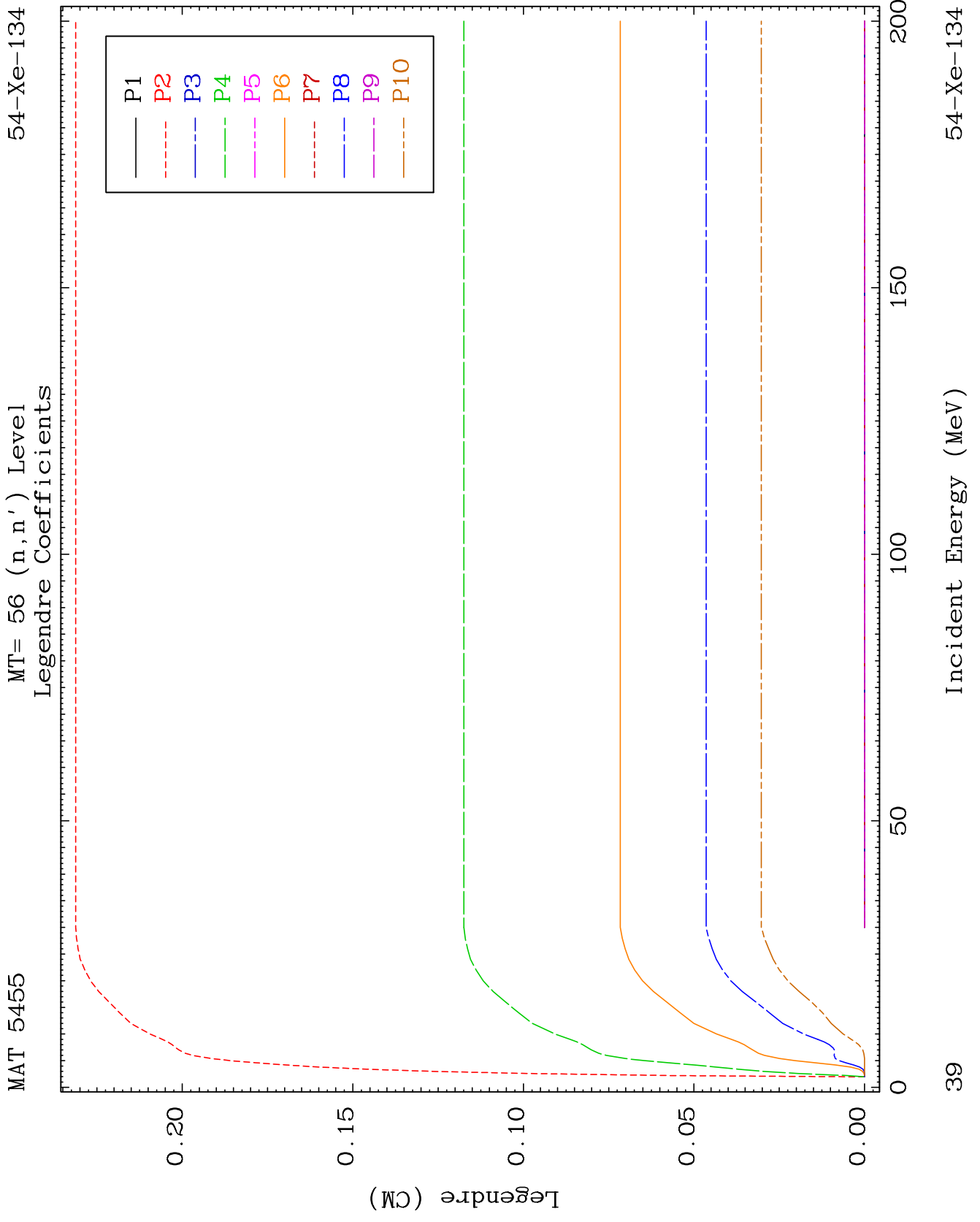


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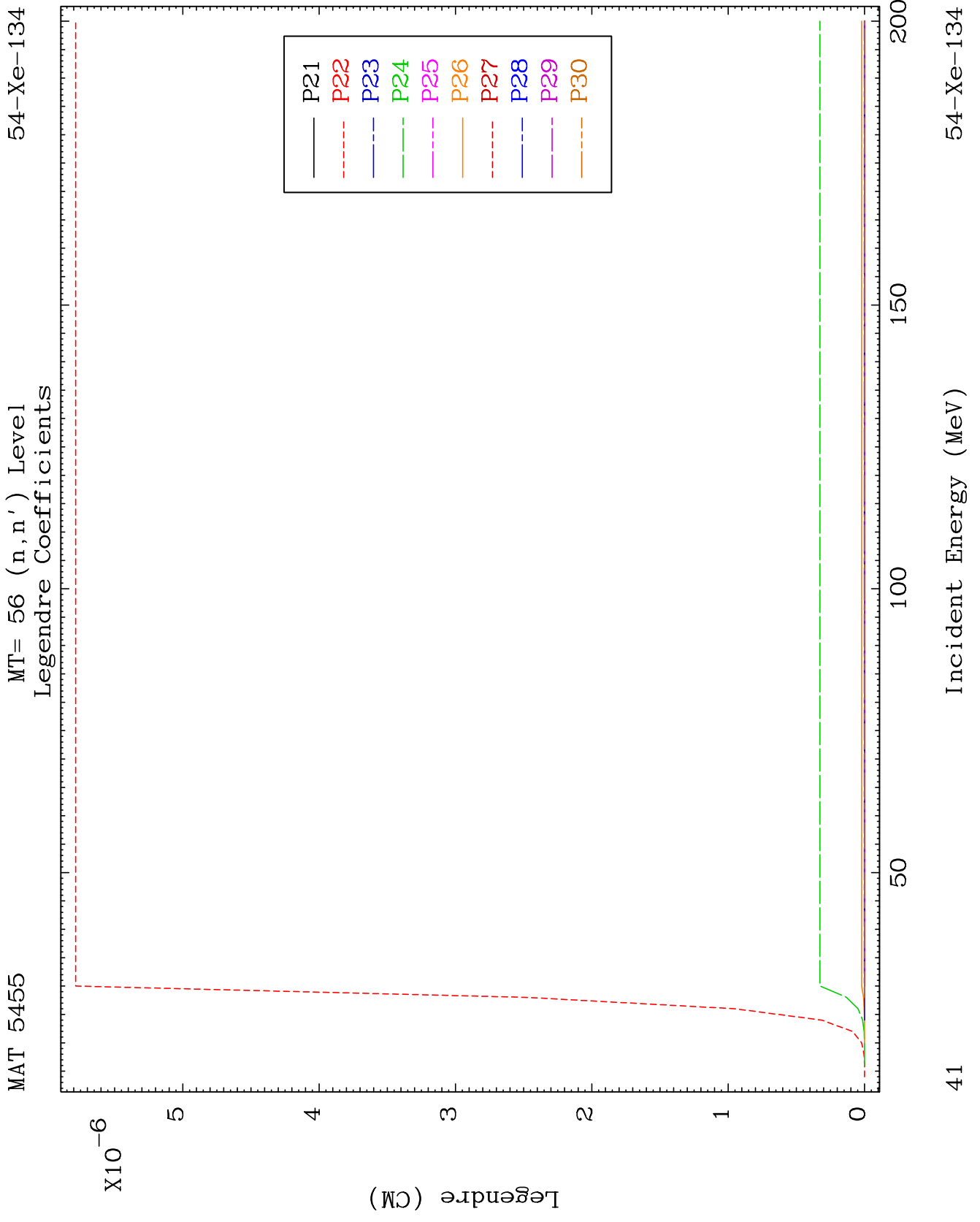
Incident Energy (MeV)

54-Xe-134





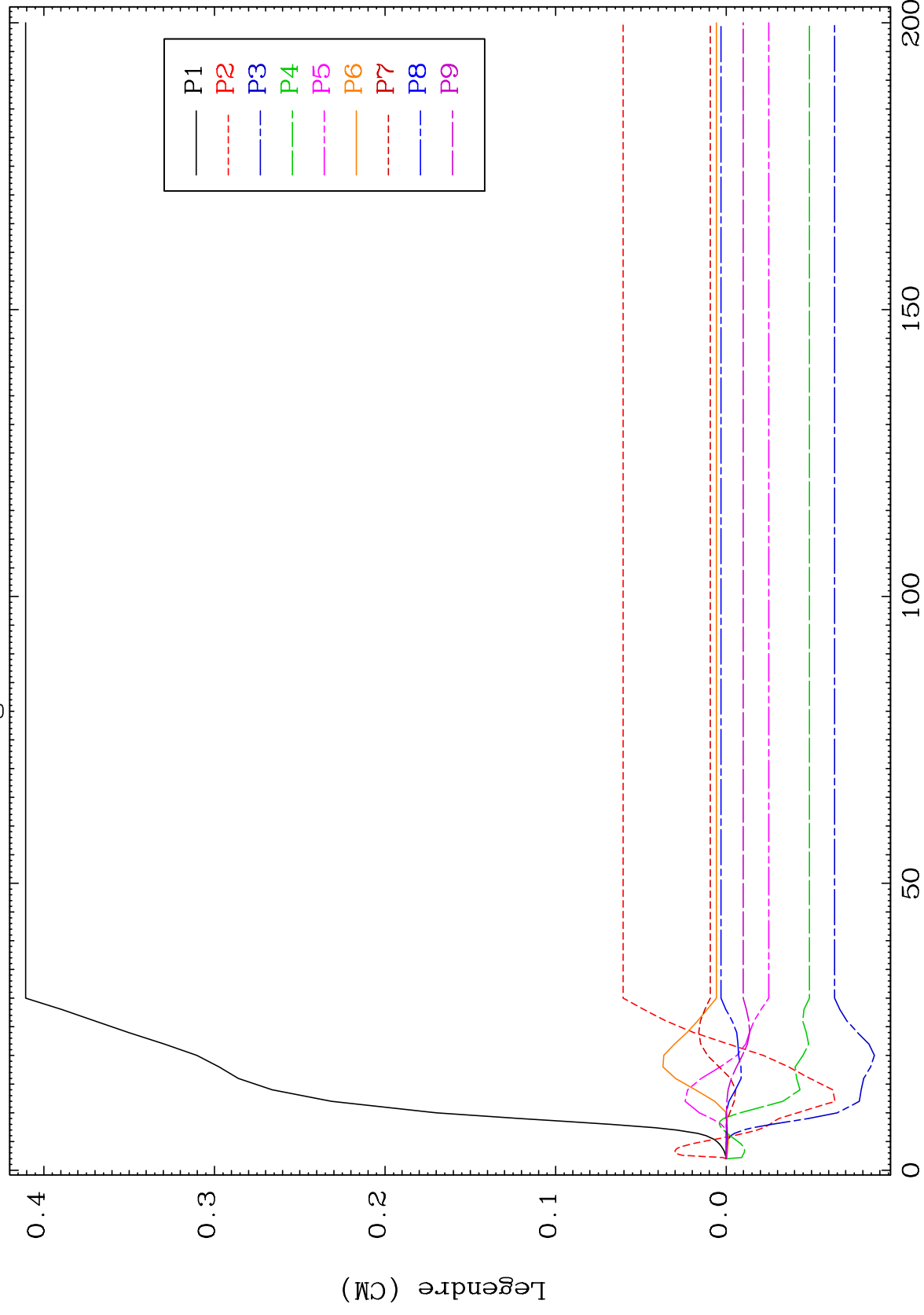




MAT 5455

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

54-Xe-134



42

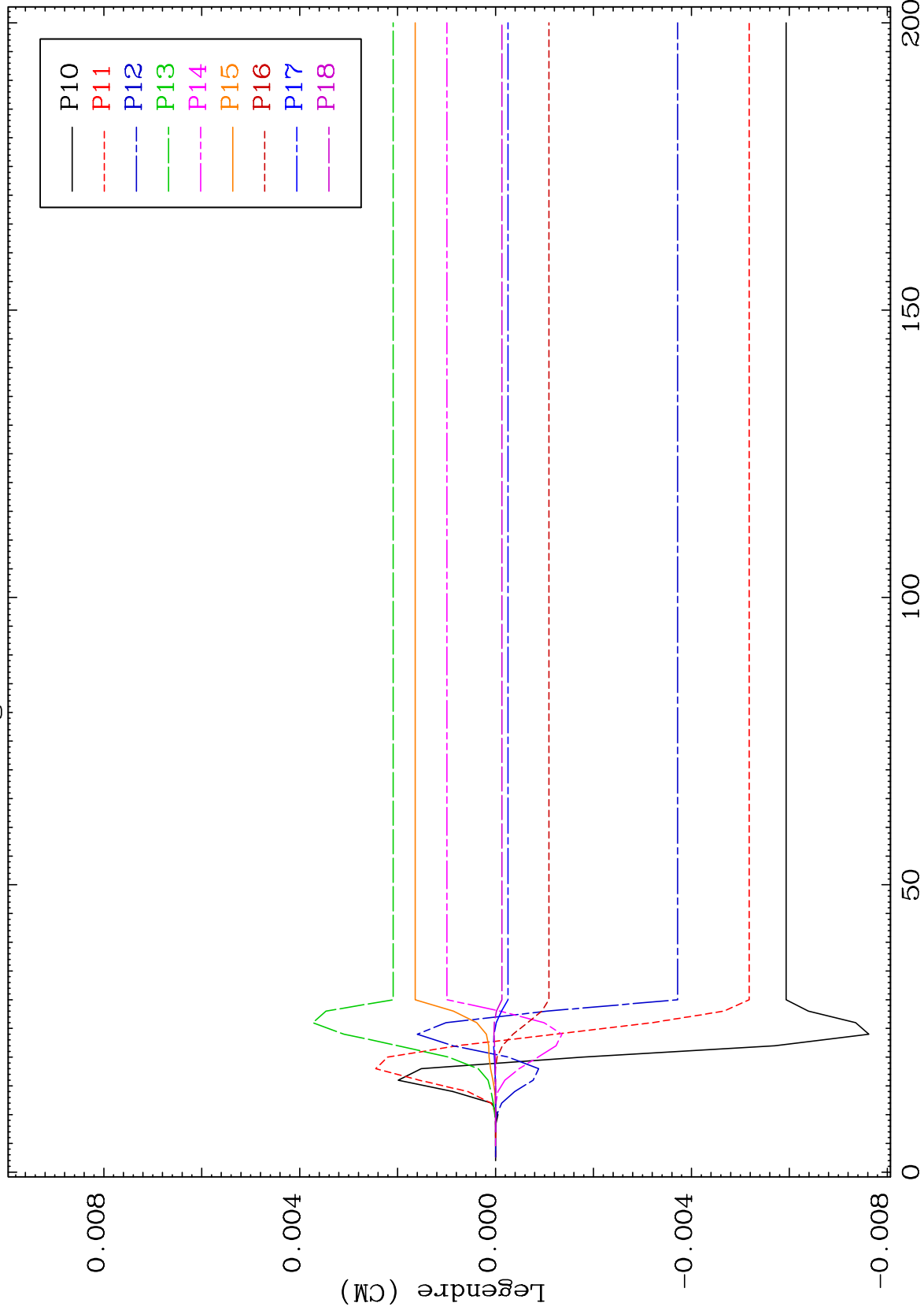
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



43

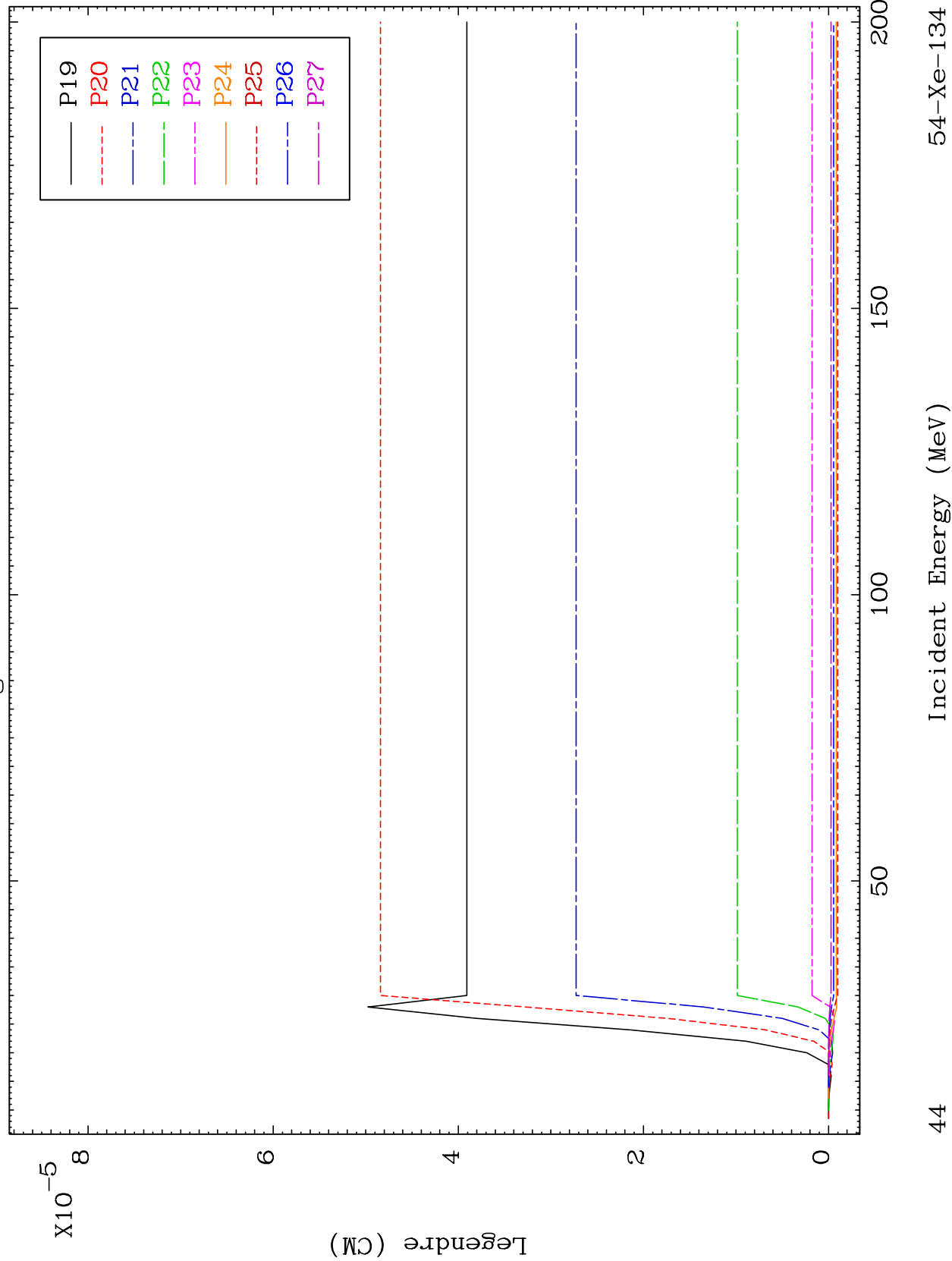
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



44

Incident Energy (MeV)

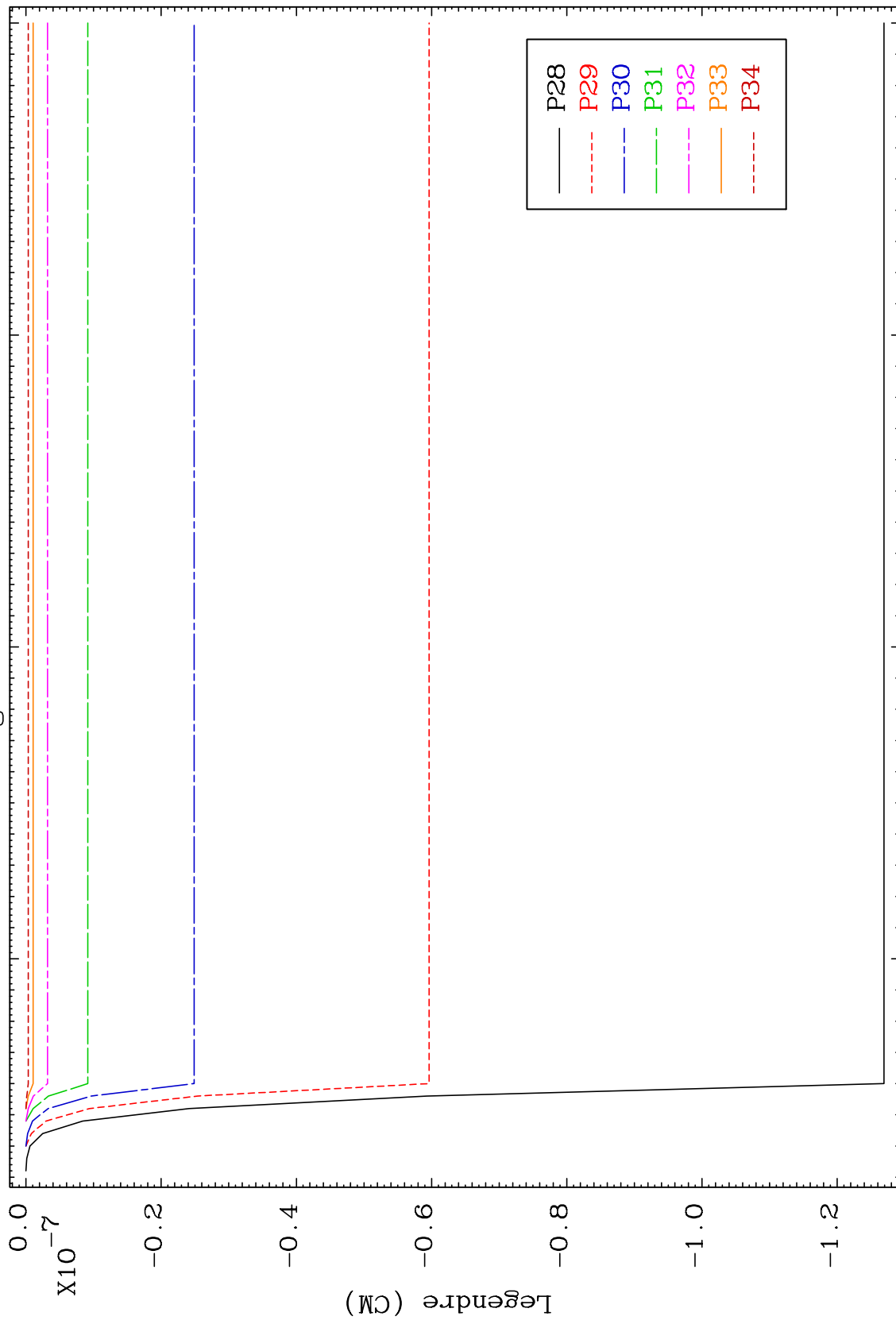
54-Xe-134

MAT 5455

MT= 57 (n,n') Level

54-Xe-134

Legendre Coefficients



54-Xe-134

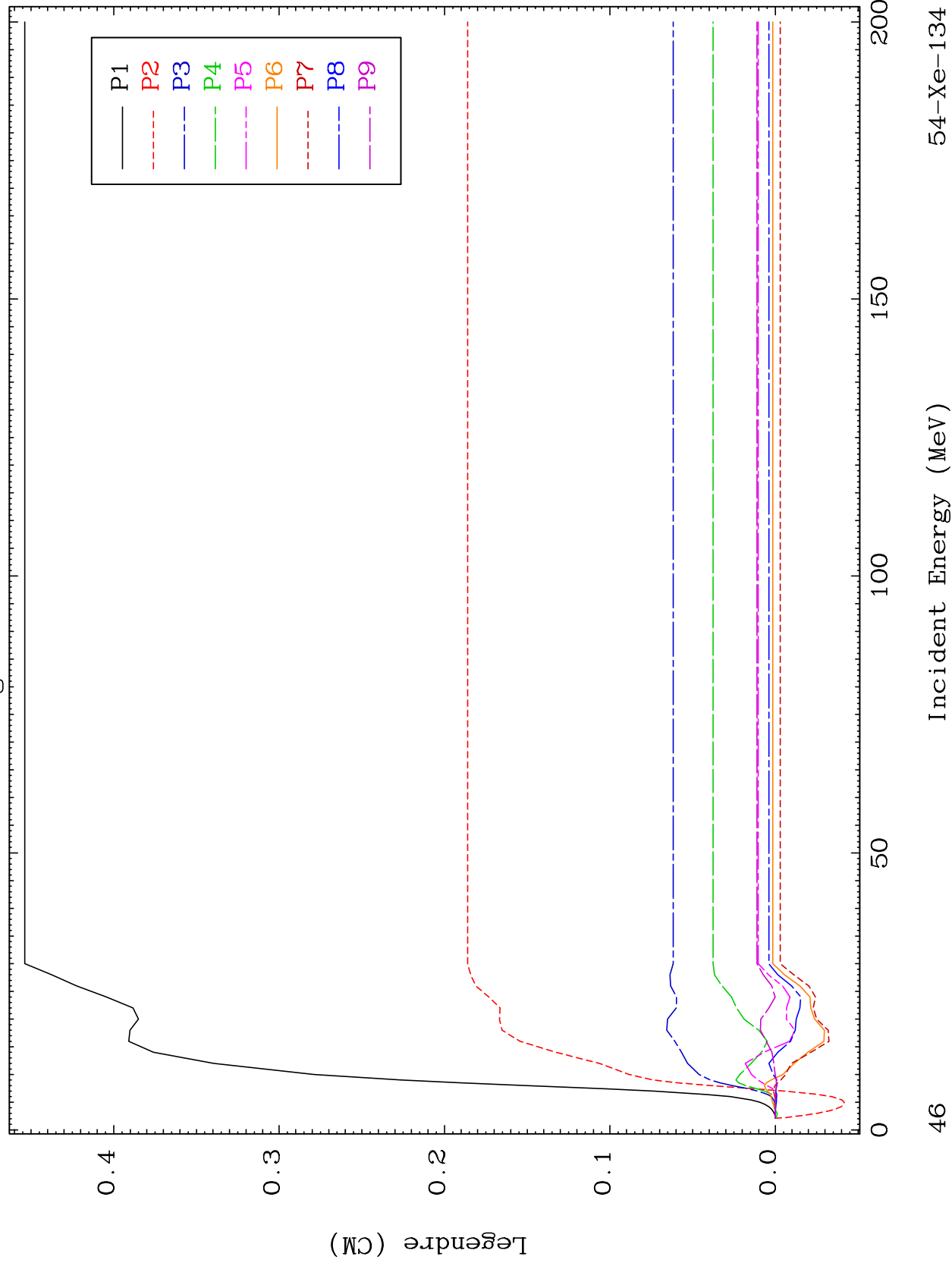
Incident Energy (MeV)

45

MAT 5455

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

54-Xe-134



54-Xe-134

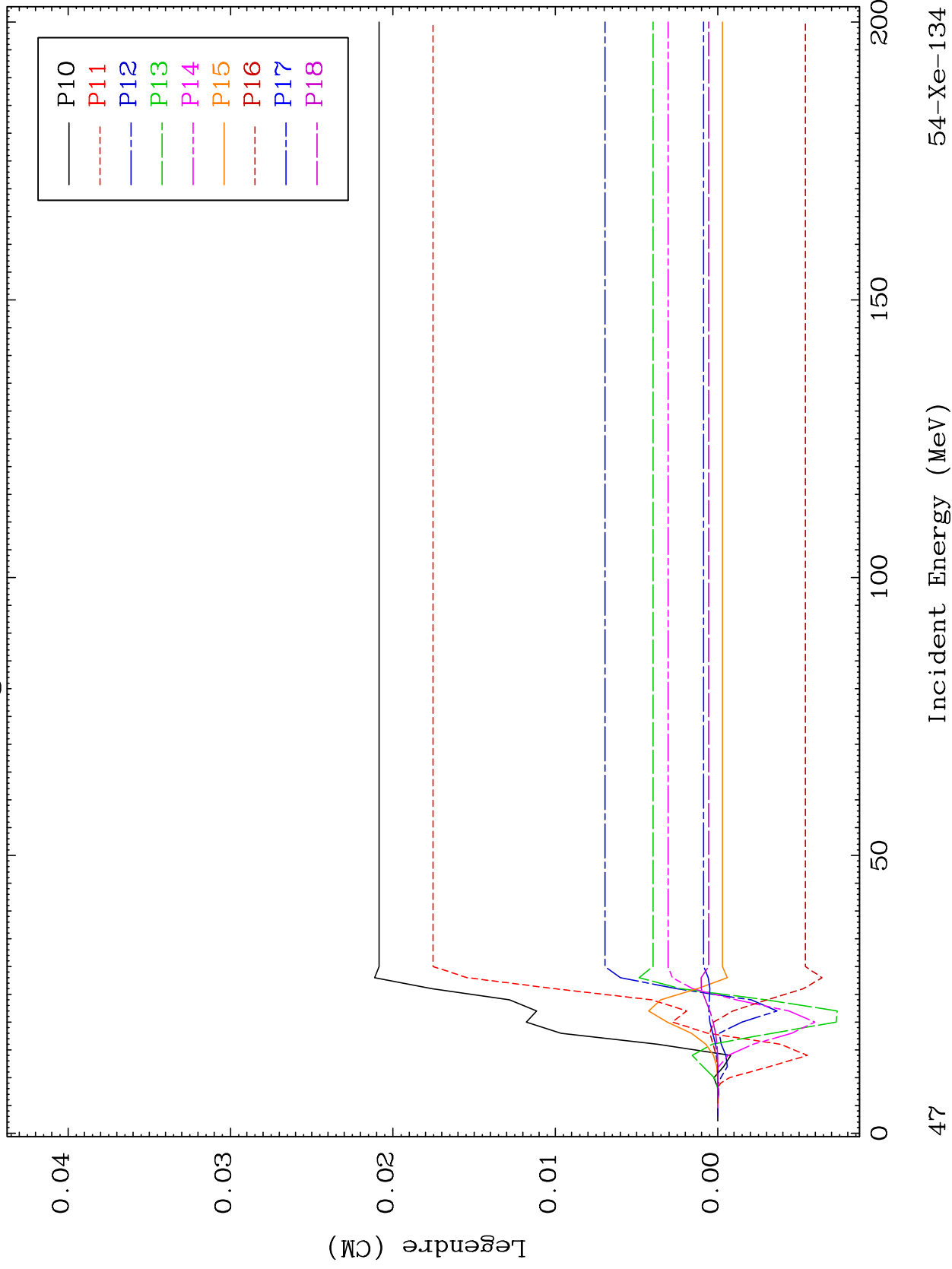
Incident Energy (MeV)

46

MAT 5455

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

54-Xe-134



47

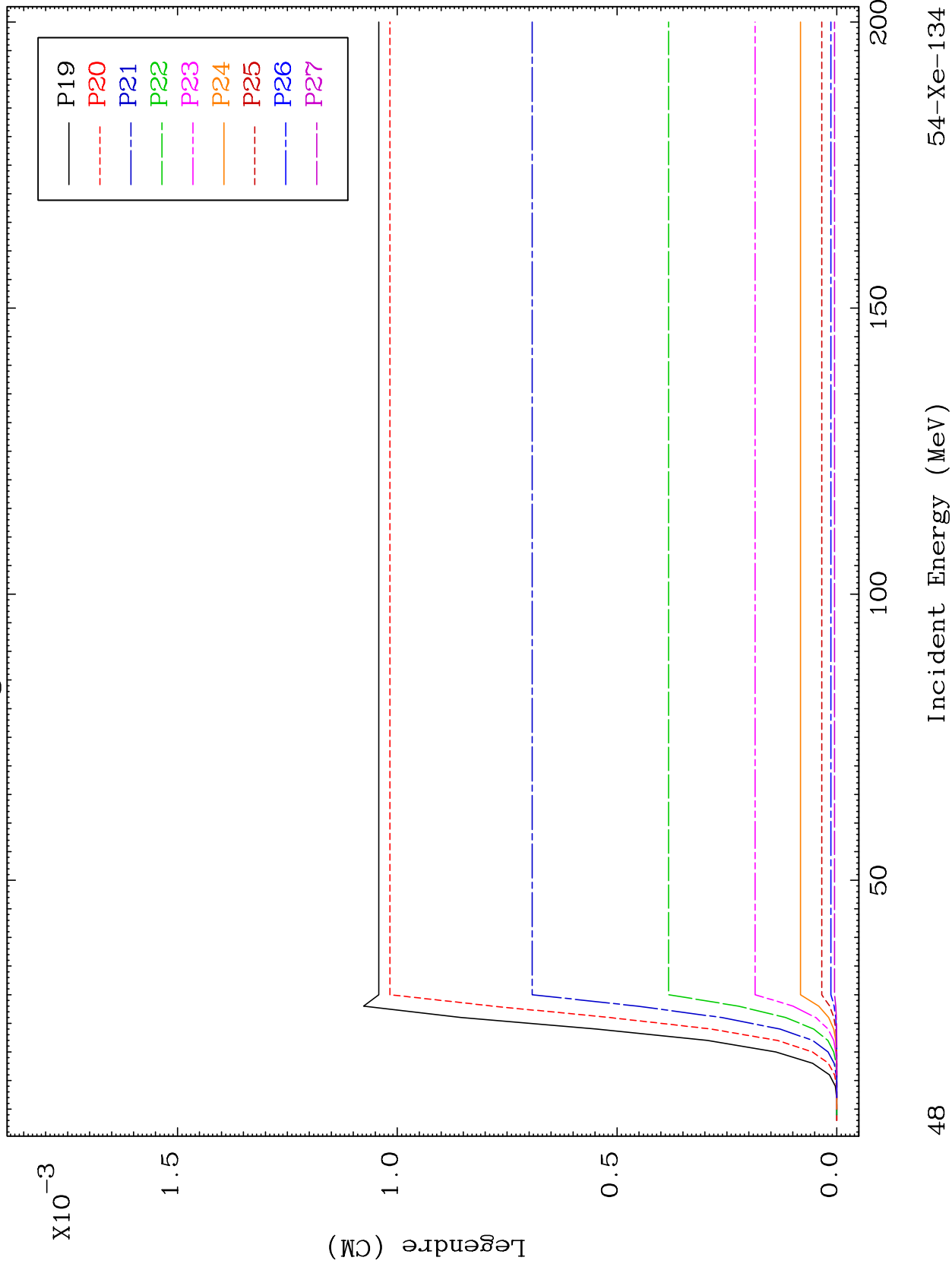
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



48

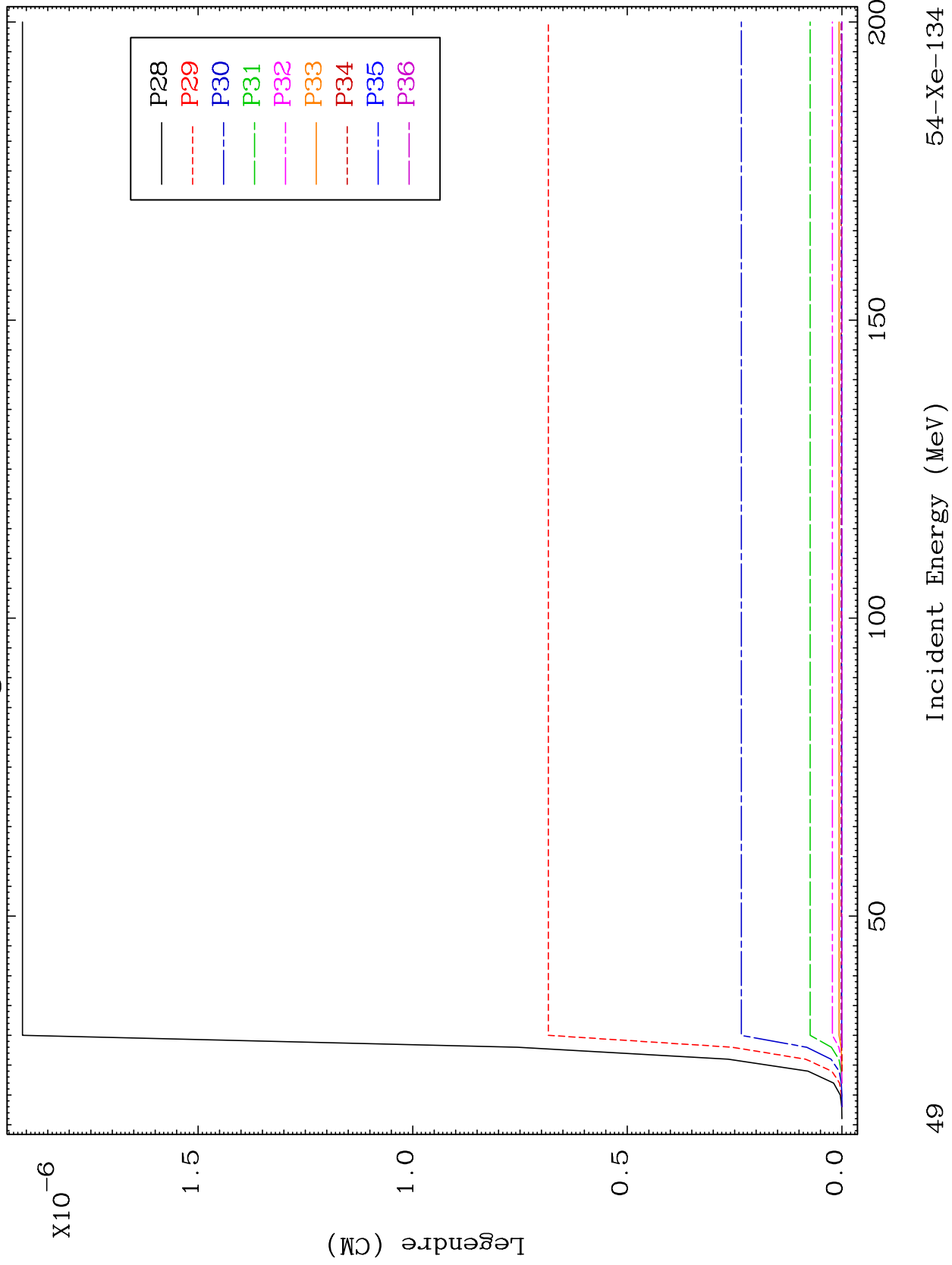
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

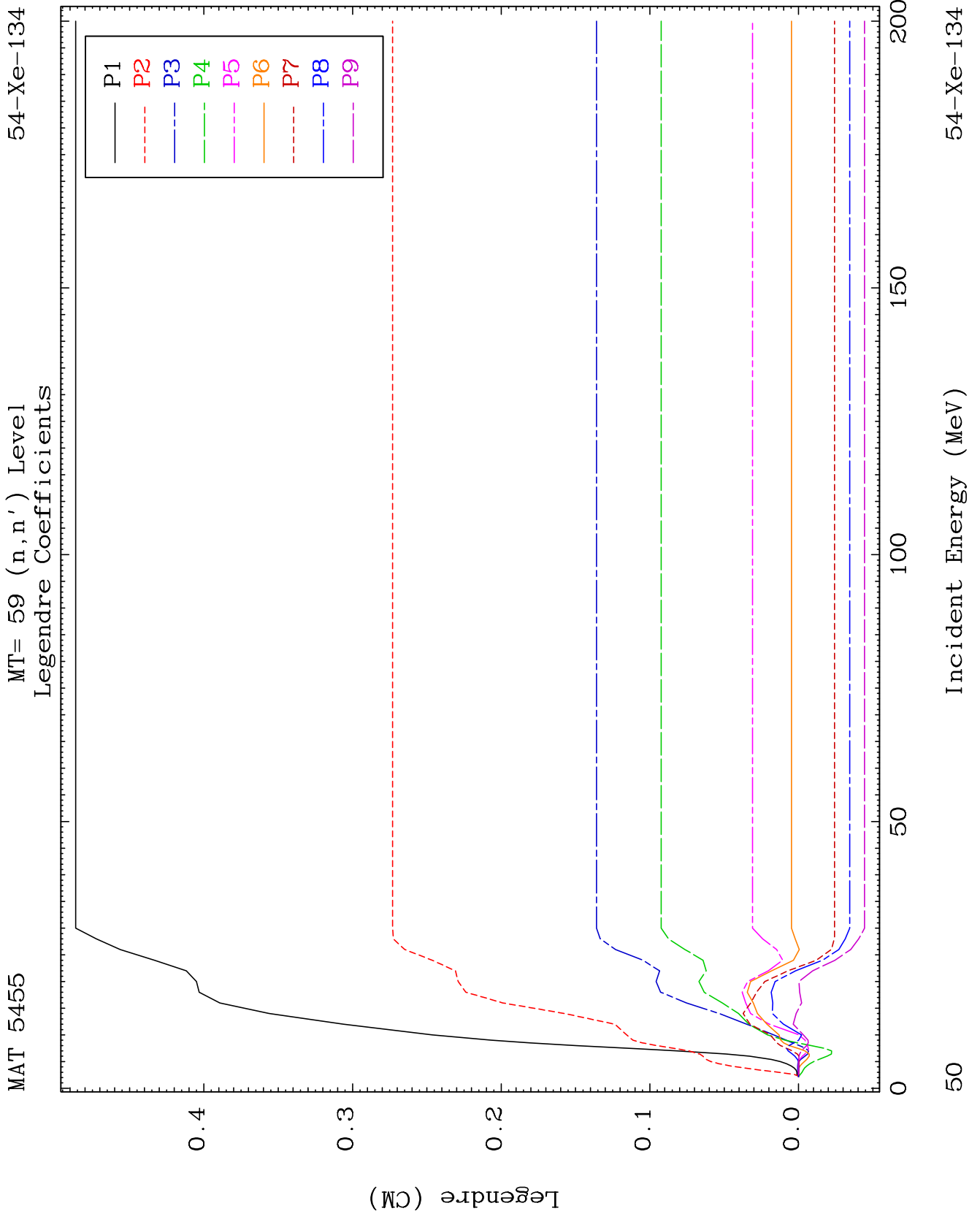
54-Xe-134



49

Incident Energy (MeV)

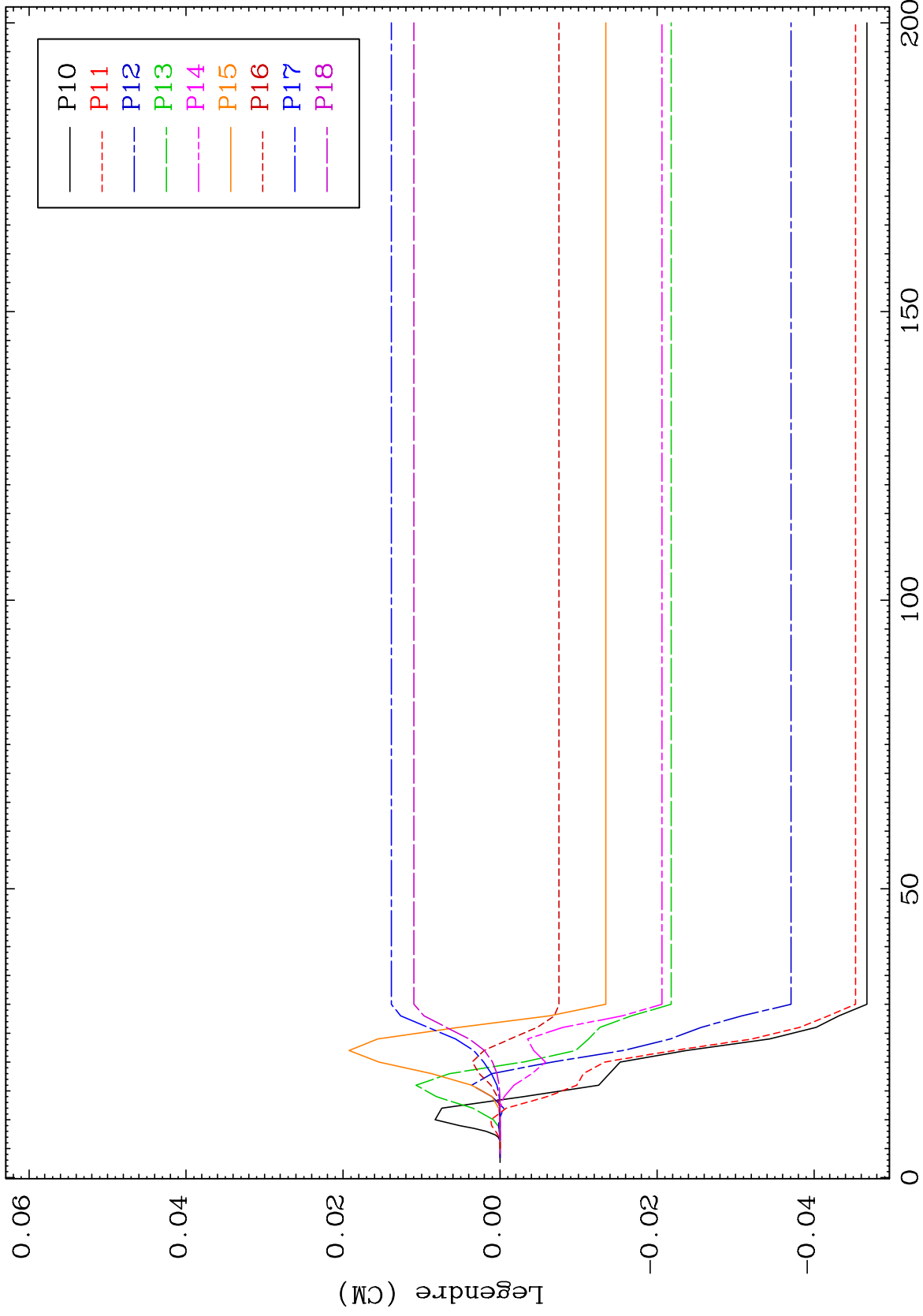
54-Xe-134



MAT 5455

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

54-Xe-134



51

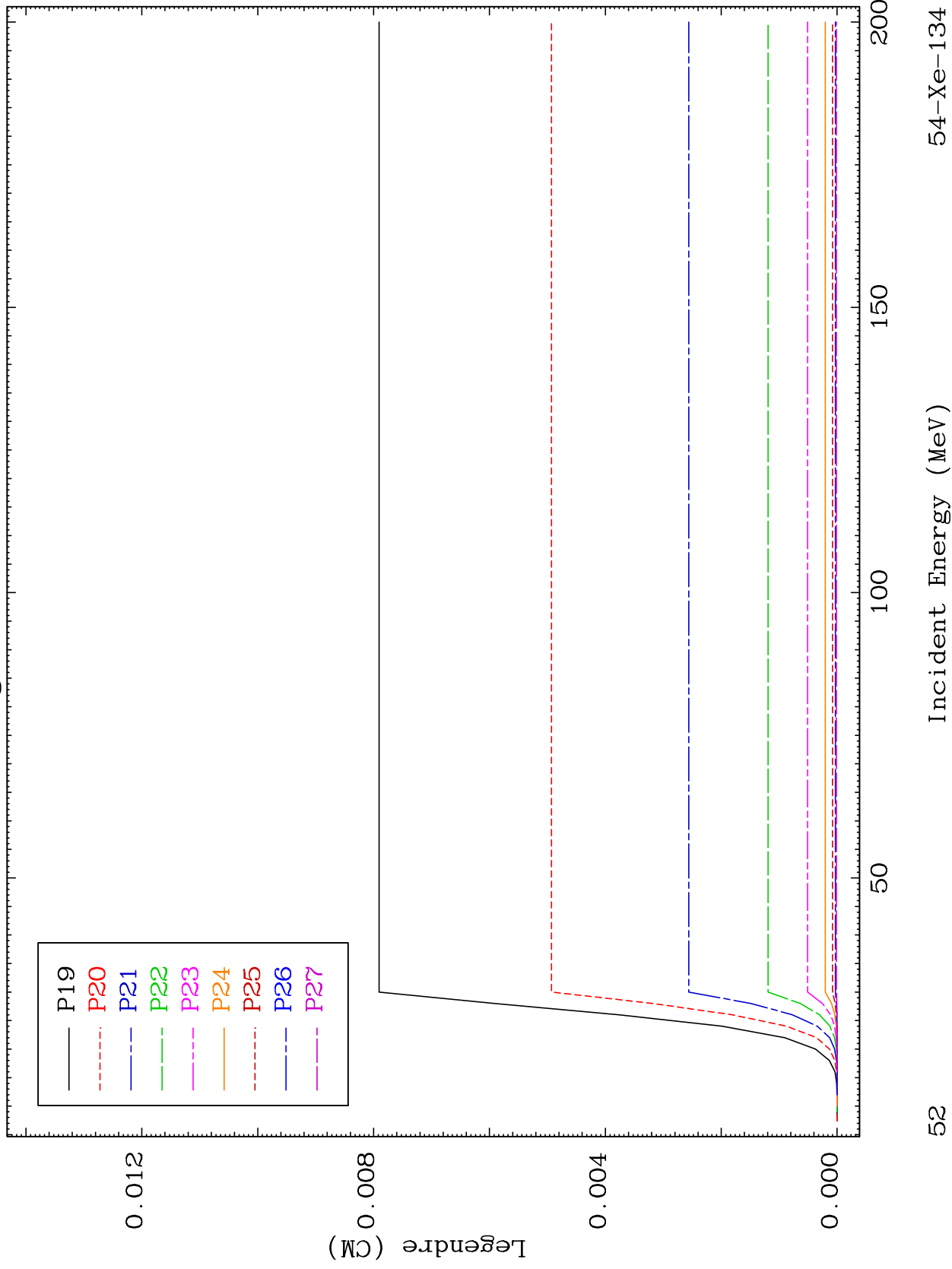
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



52

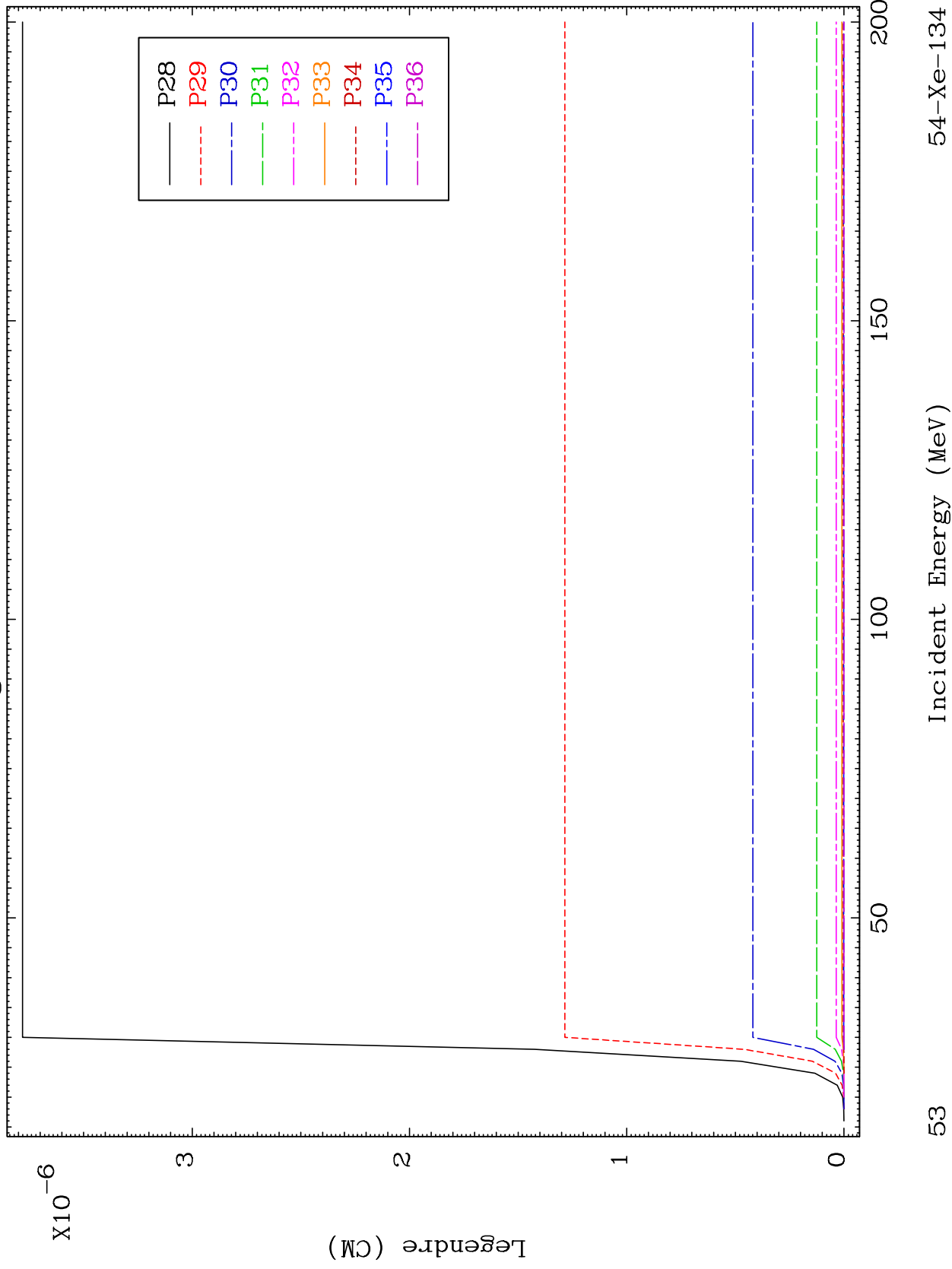
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

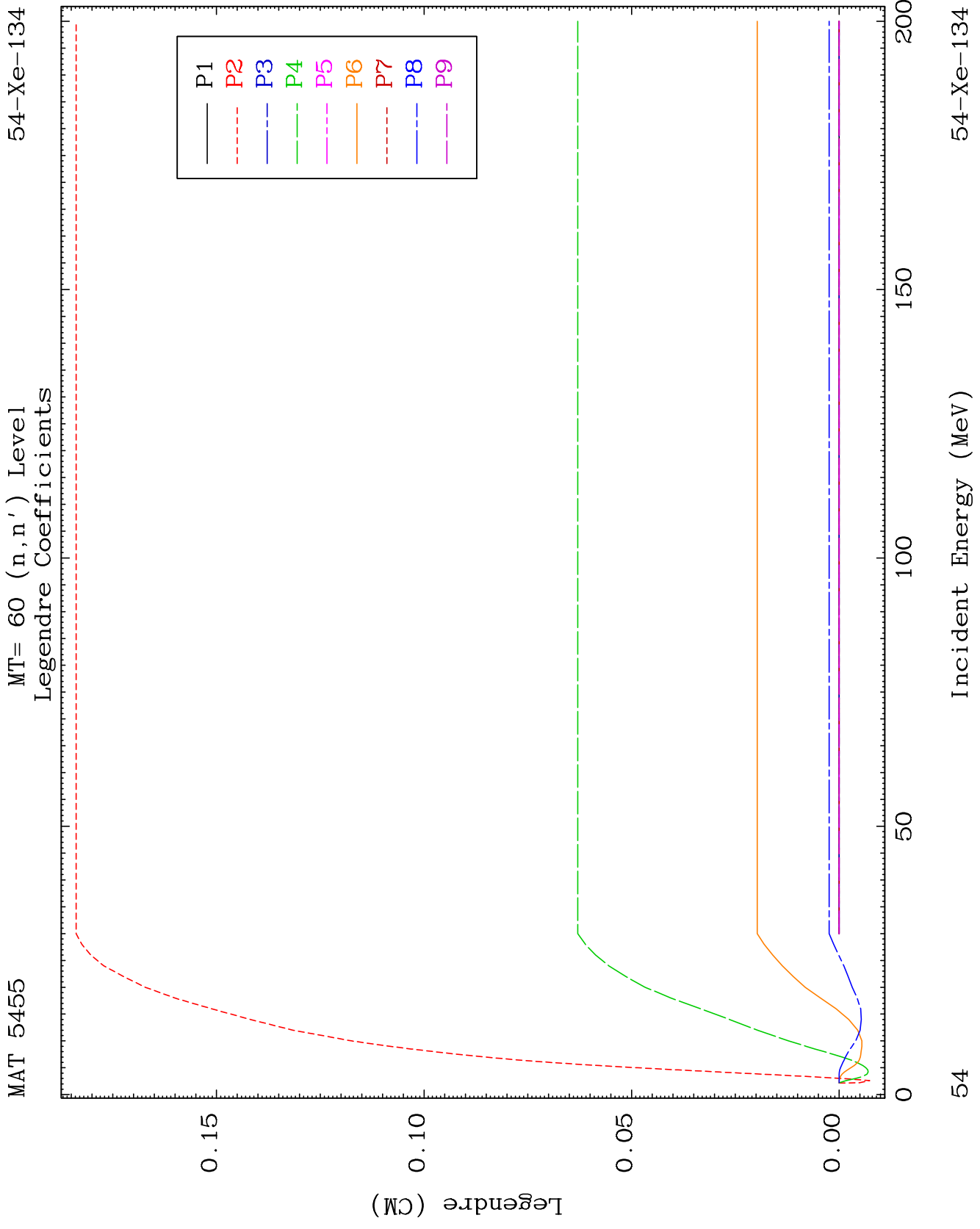
54-Xe-134



53

Incident Energy (MeV)

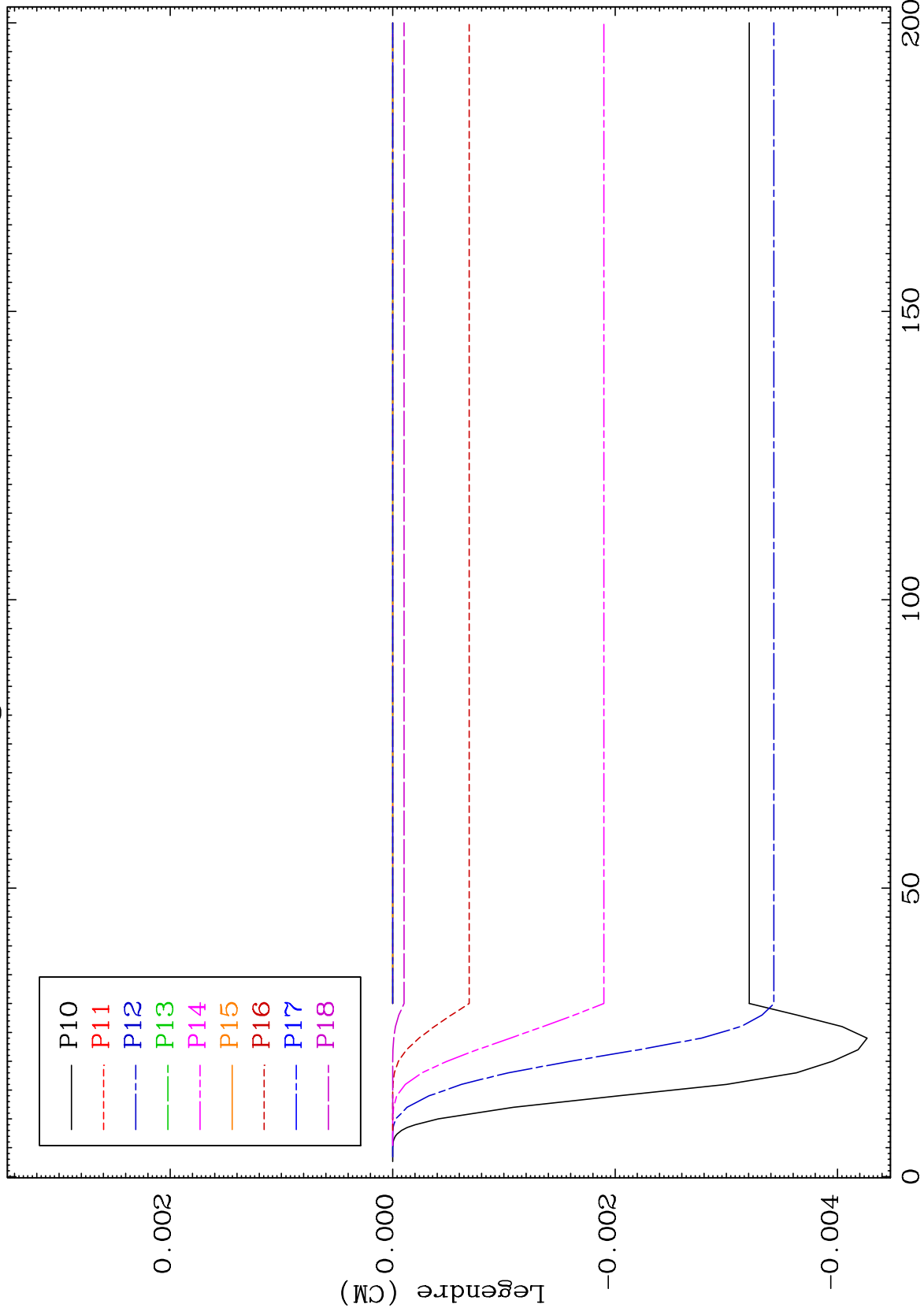
54-Xe-134



MAT 5455

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

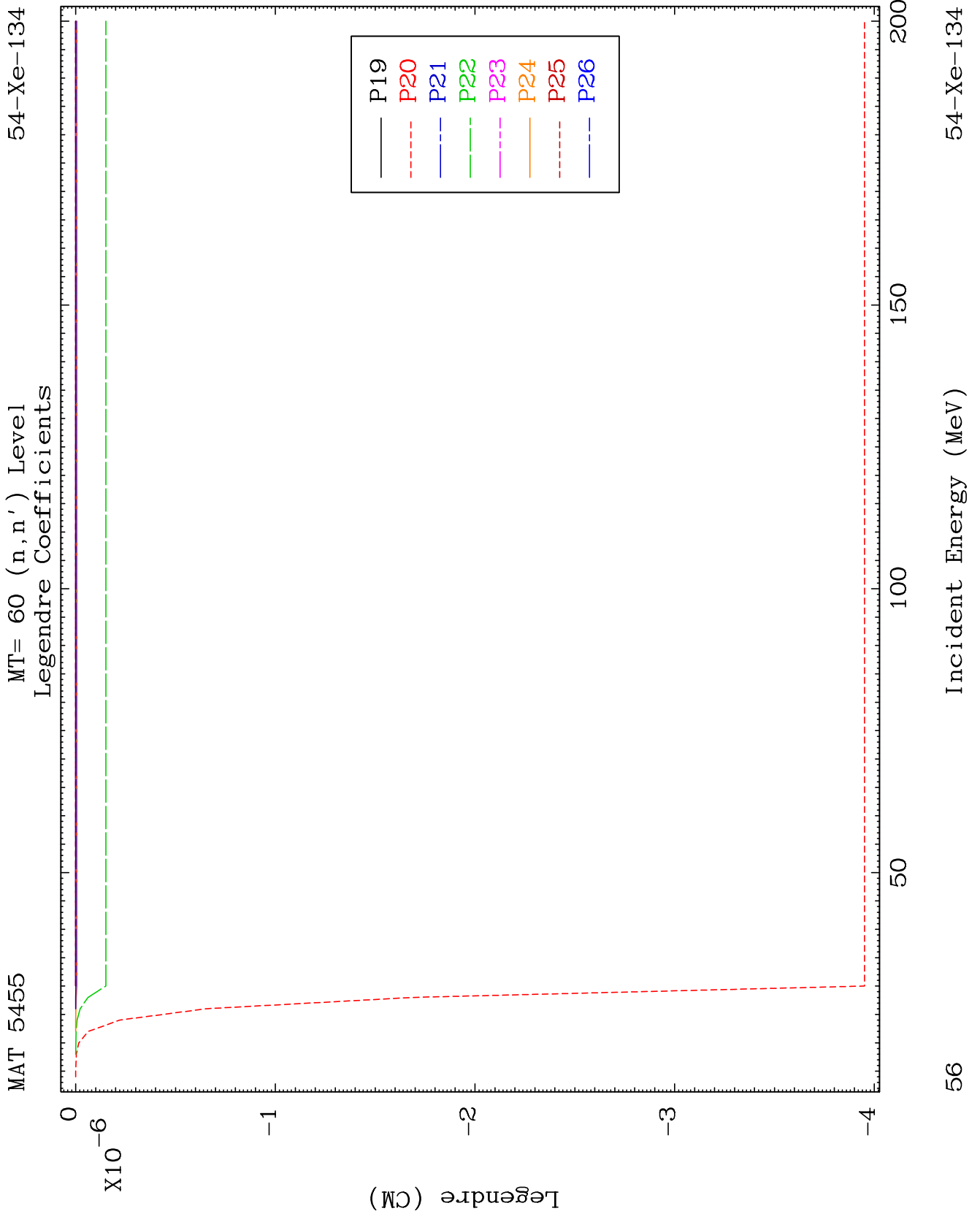
54-Xe-134



55

Incident Energy (MeV)

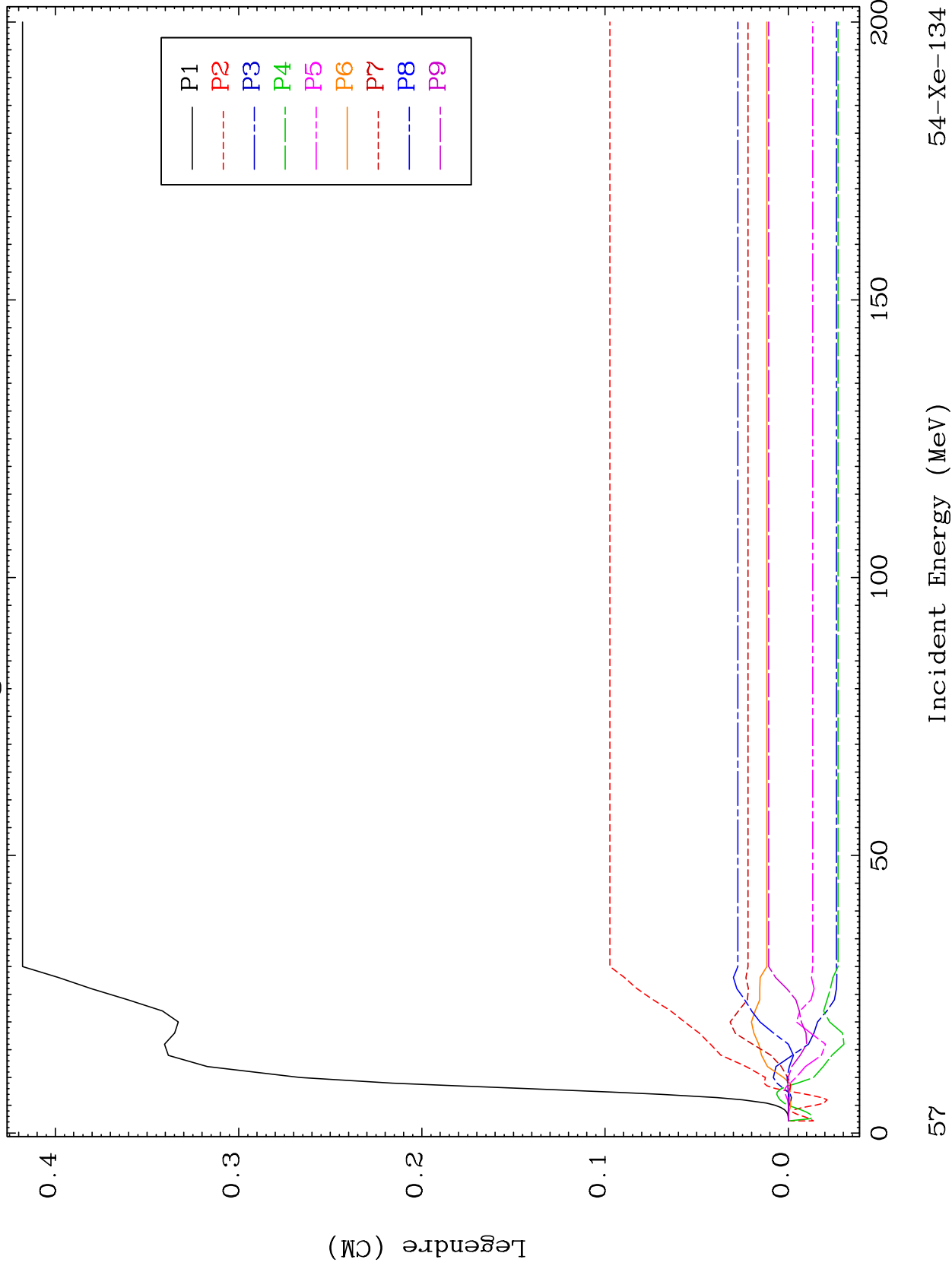
54-Xe-134



MAT 5455

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

54-Xe-134



54-Xe-134

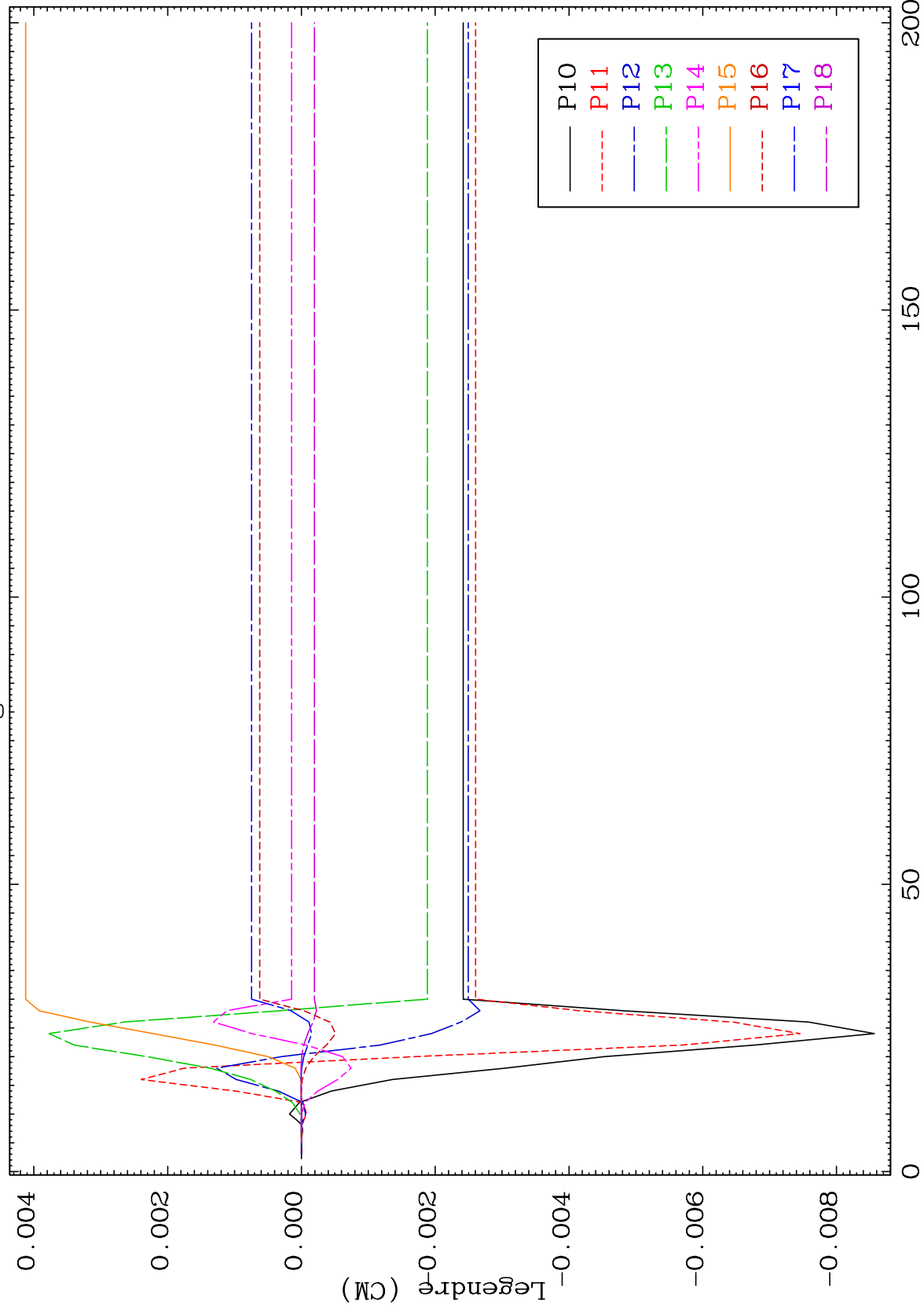
Incident Energy (MeV)

57

MAT 5455

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

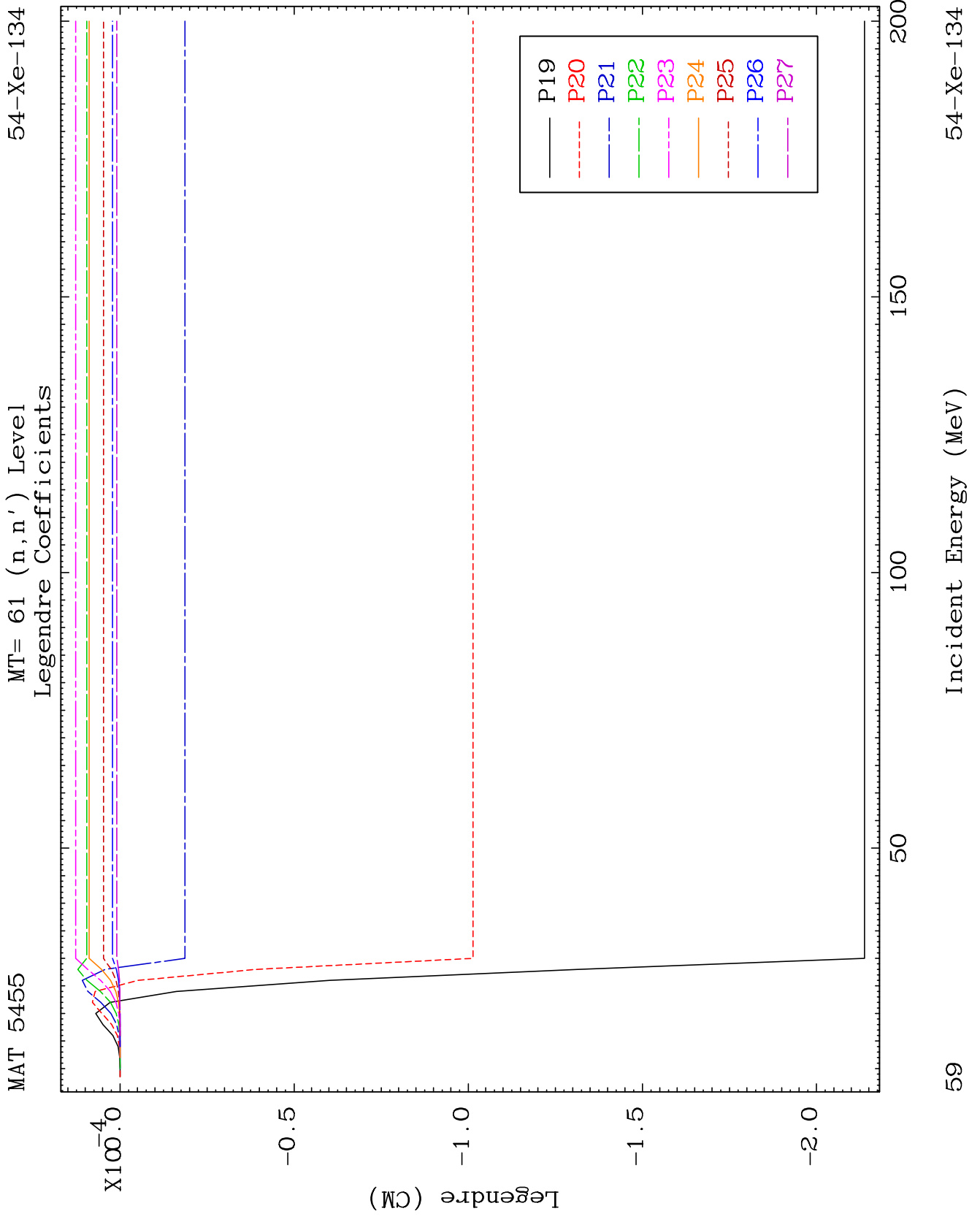
54-Xe-134



58

Incident Energy (MeV)

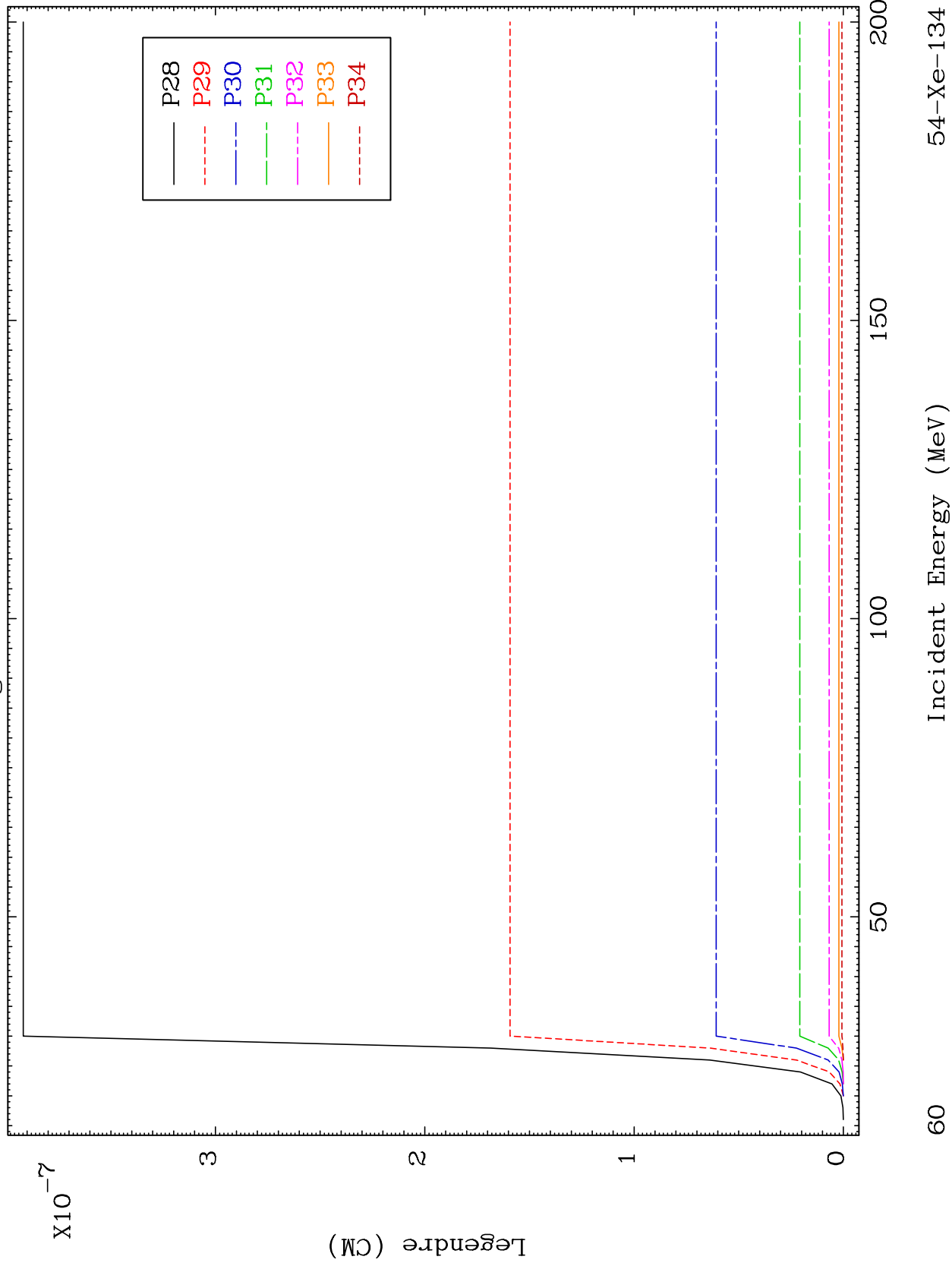
54-Xe-134



MAT 5455

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

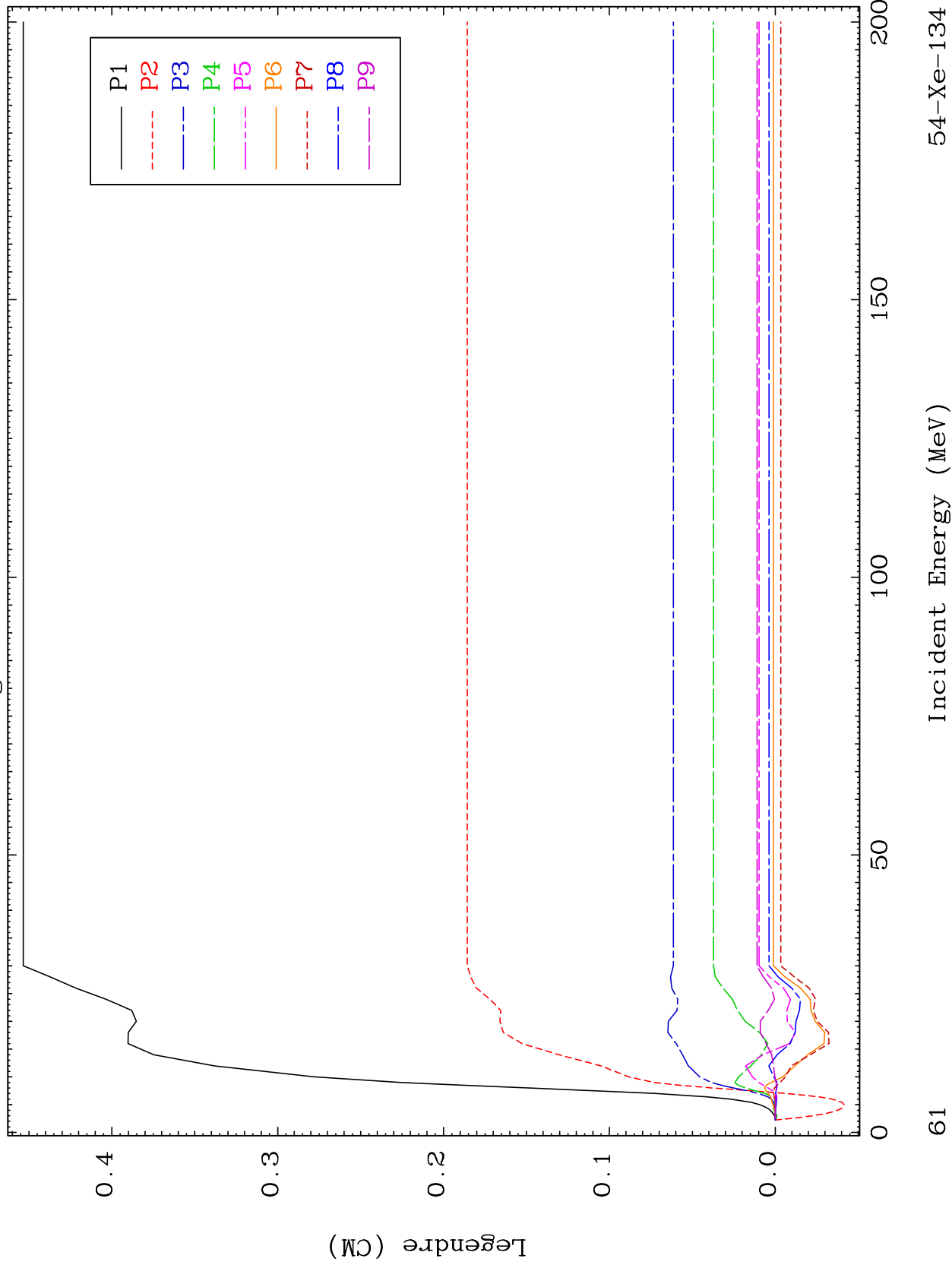
54-Xe-134



MAT 5455

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

54-Xe-134



54-Xe-134

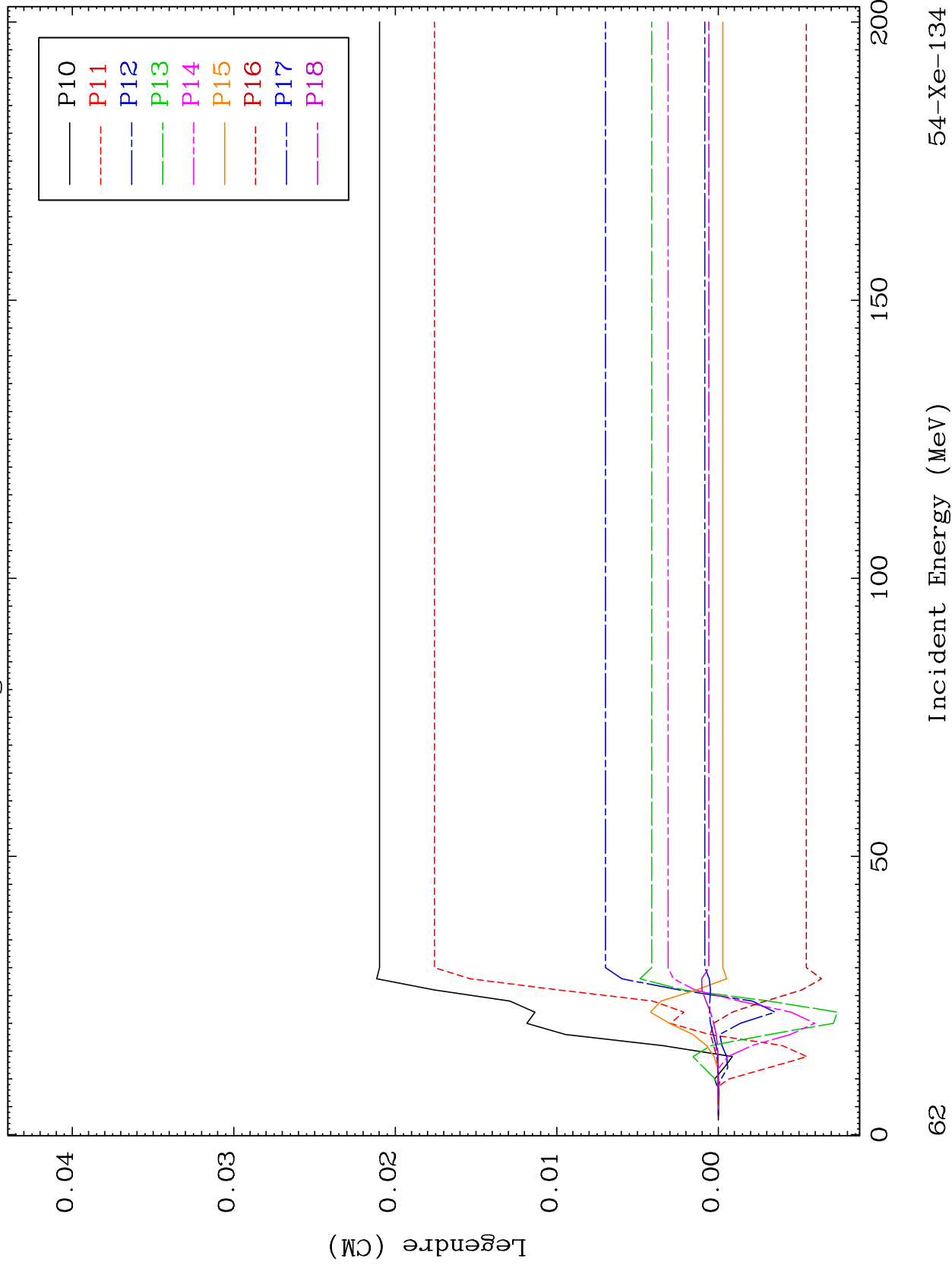
Incident Energy (MeV)

61

MAT 5455

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

54-Xe-134



54-Xe-134

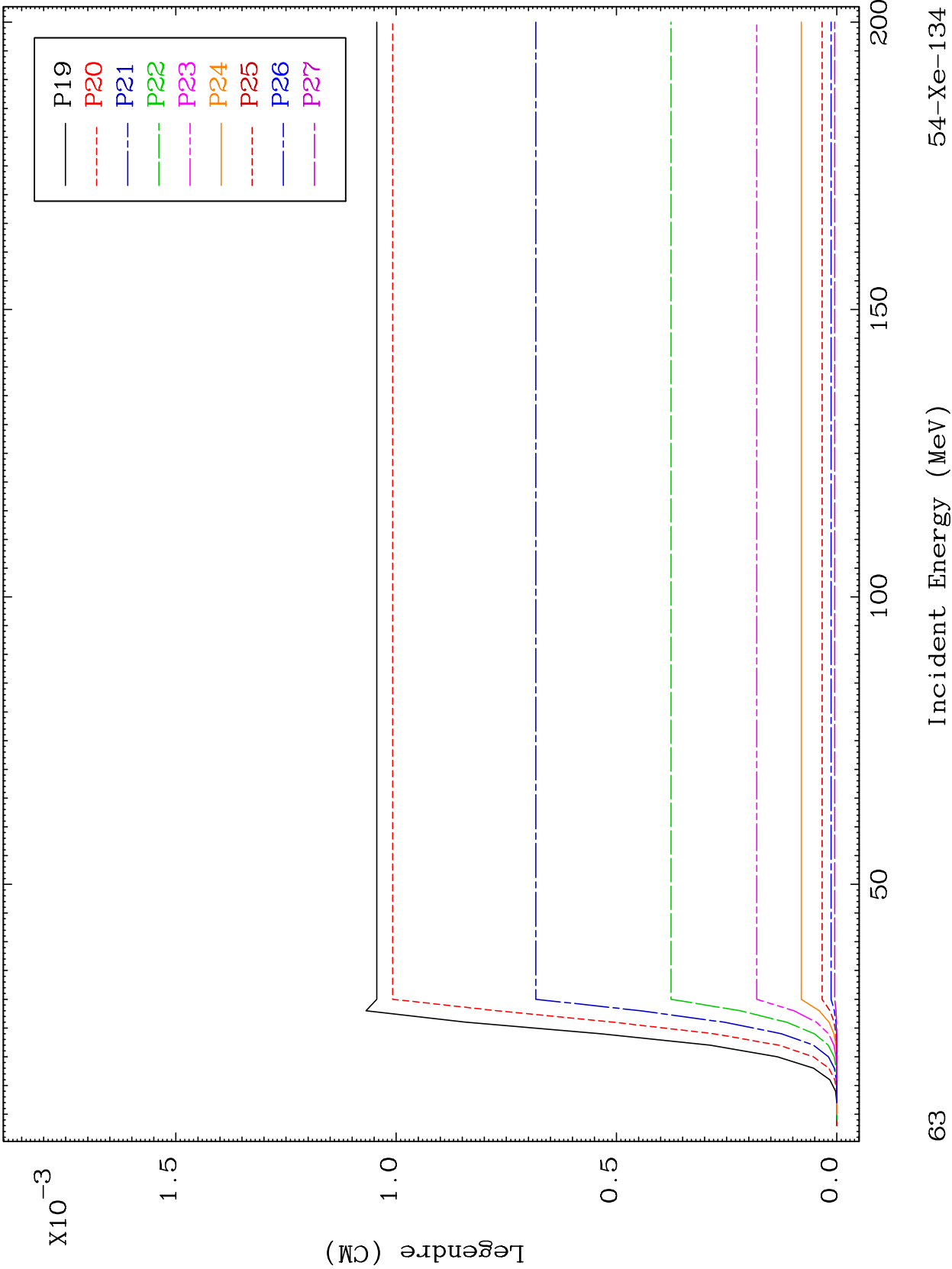
Incident Energy (MeV)

62

MAT 5455

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

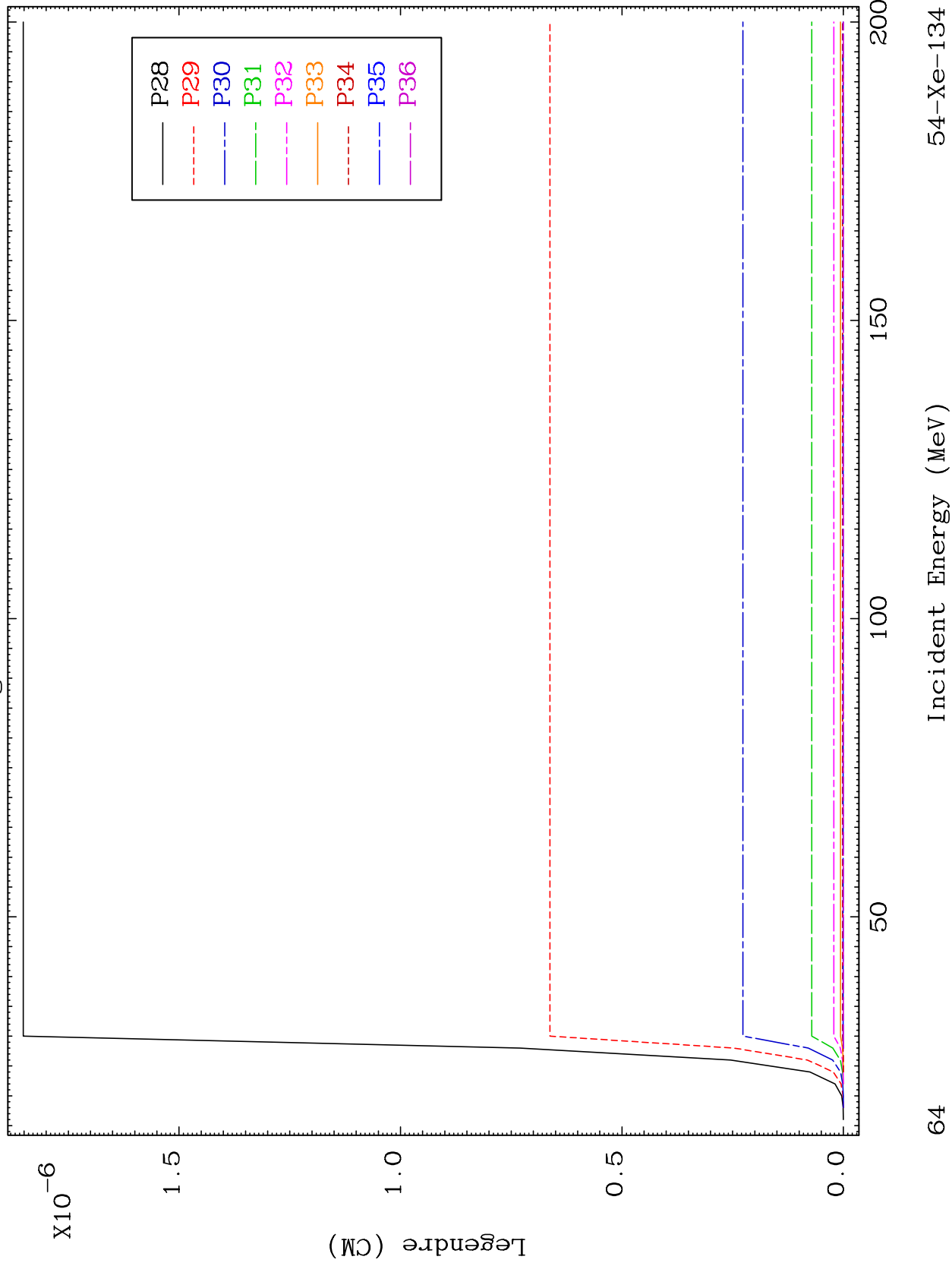
54-Xe-134



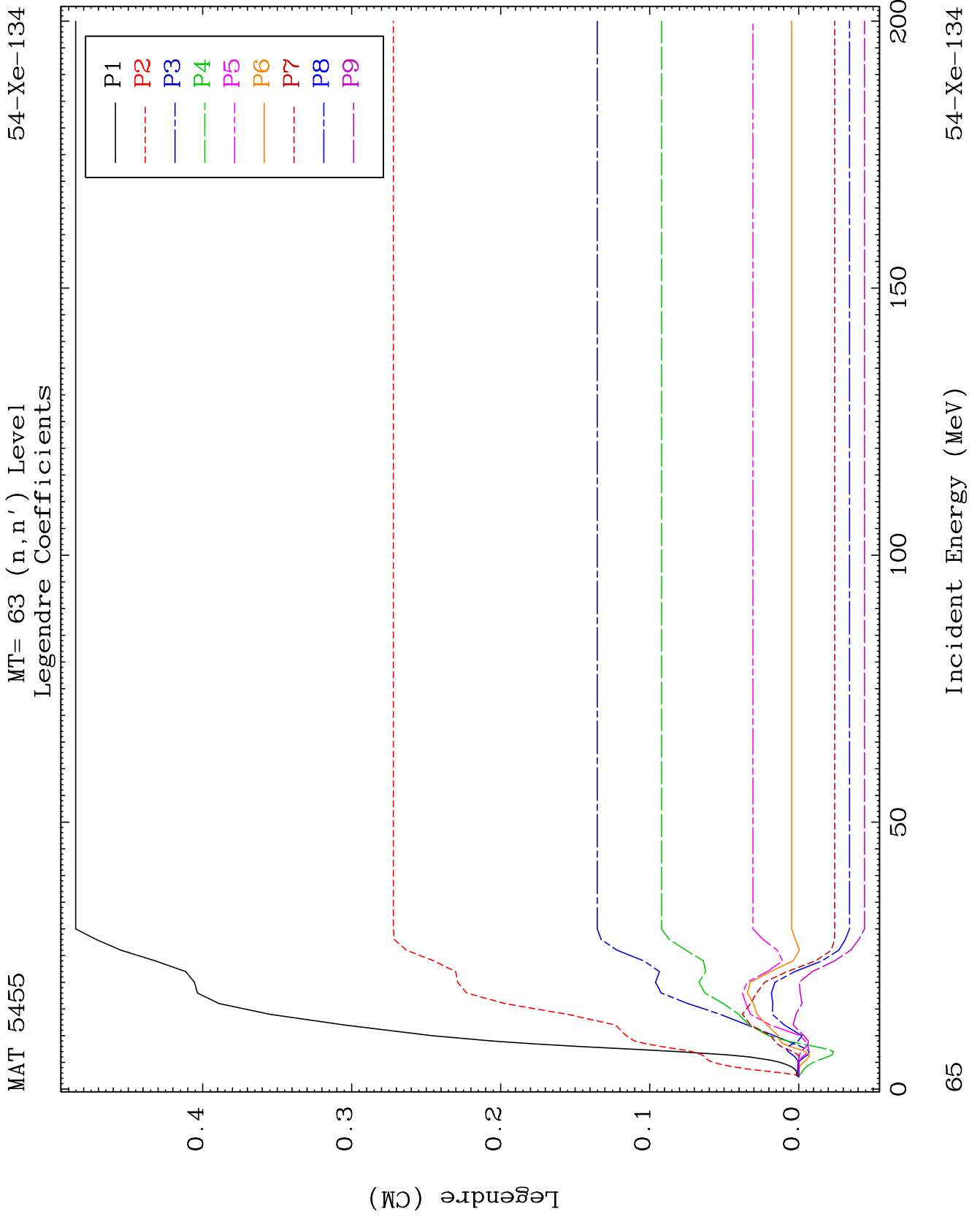
MAT 5455

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

54-Xe-134



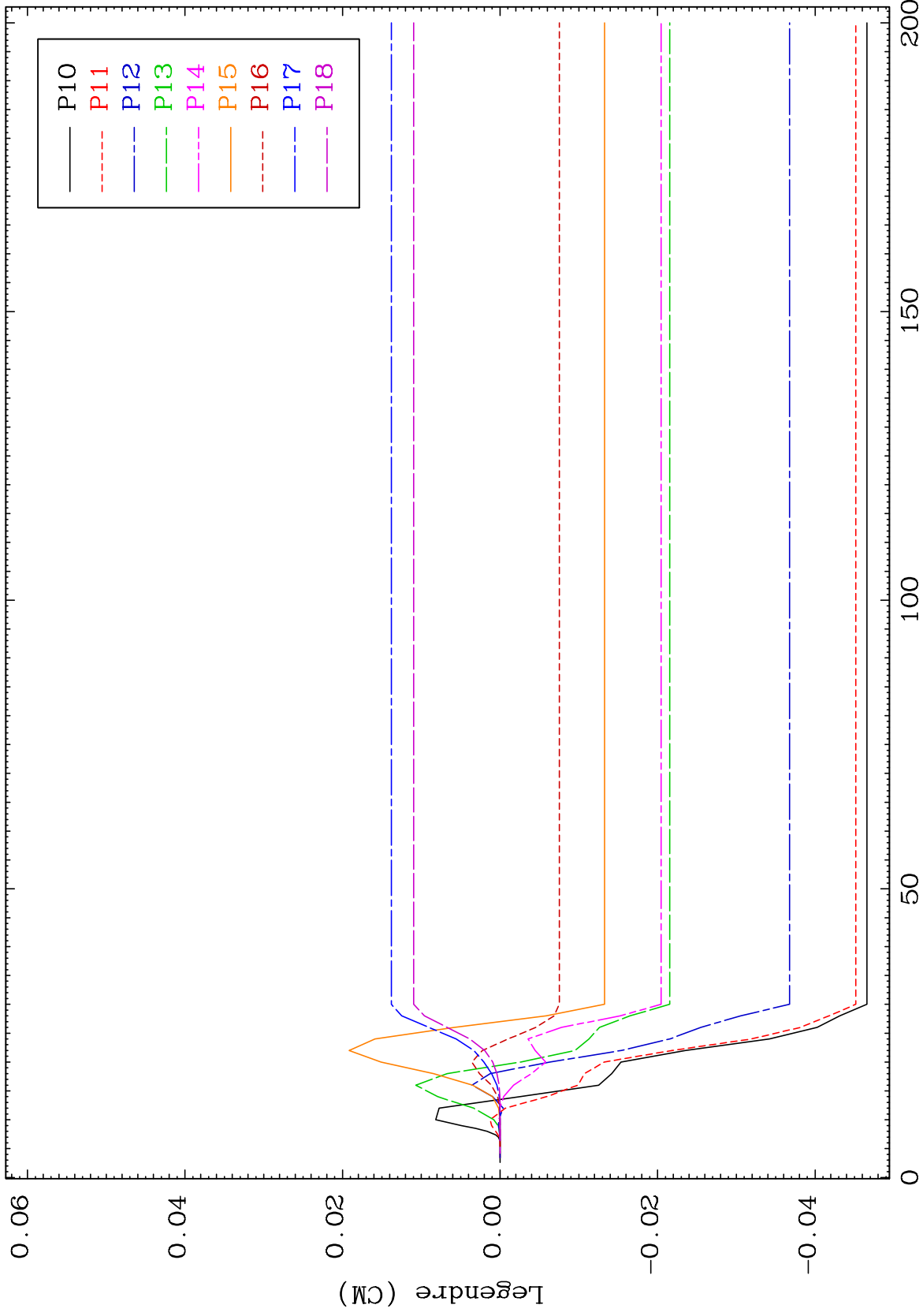
64



MAT 5455

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

54-Xe-134



66

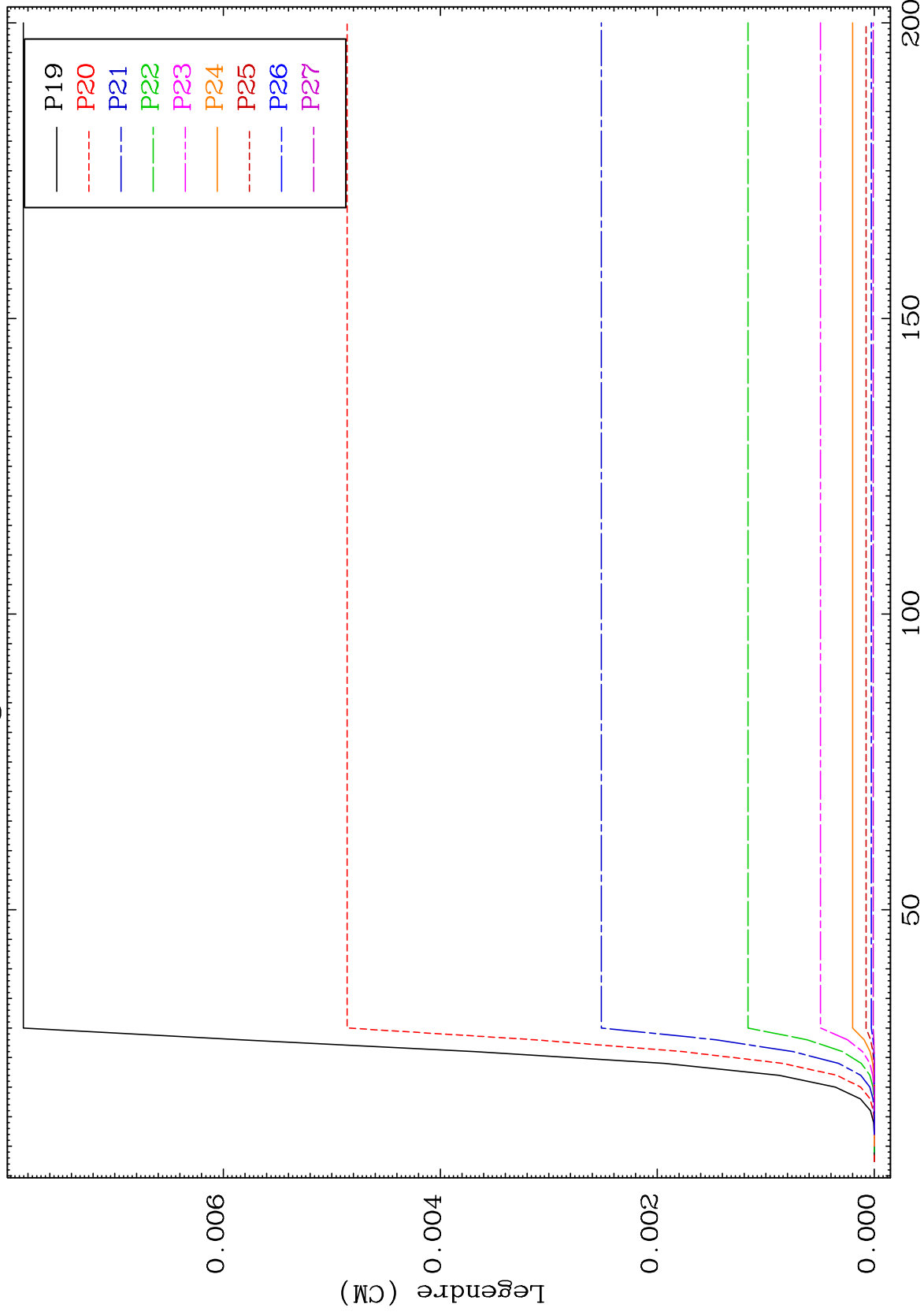
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



67

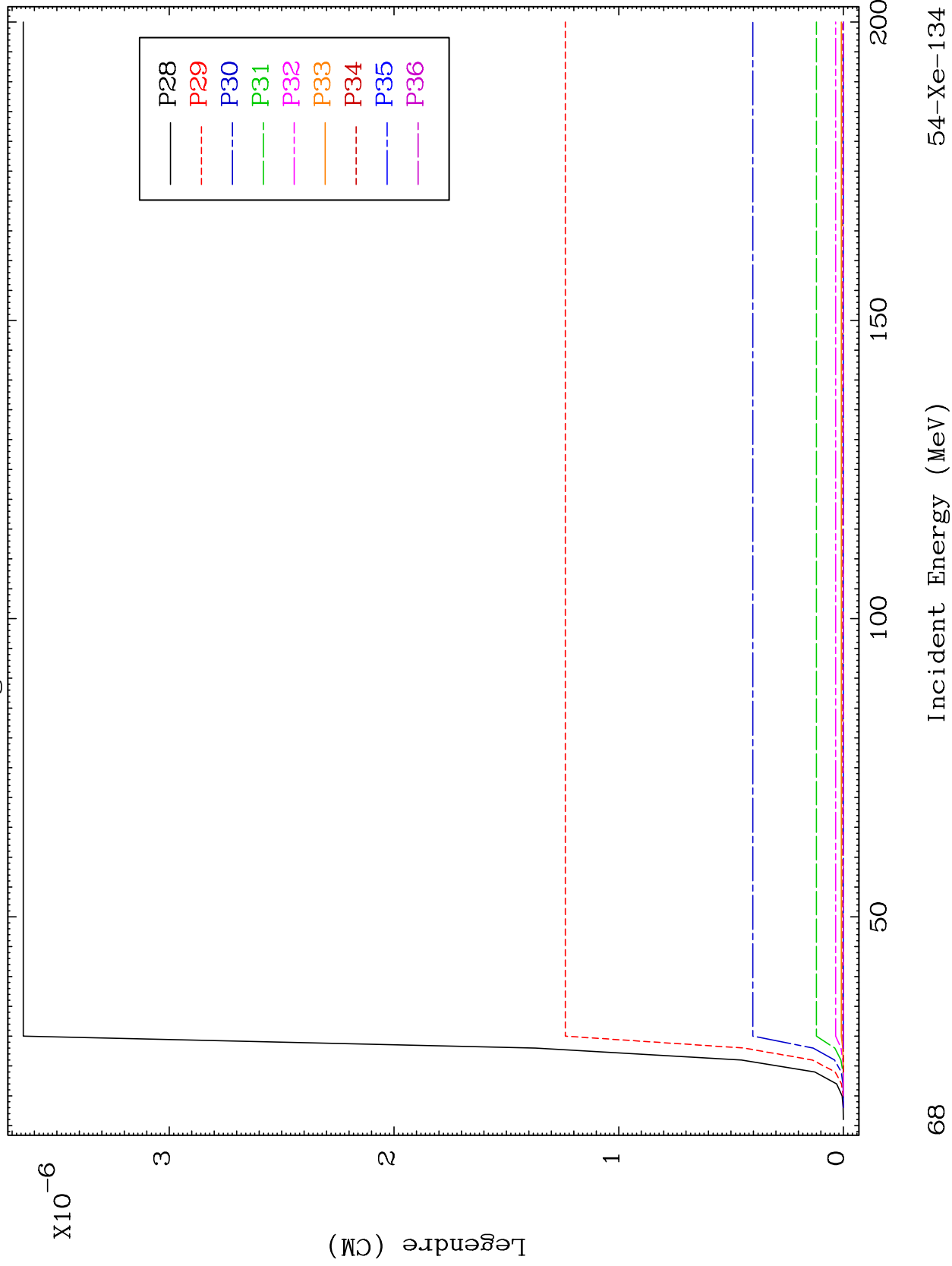
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

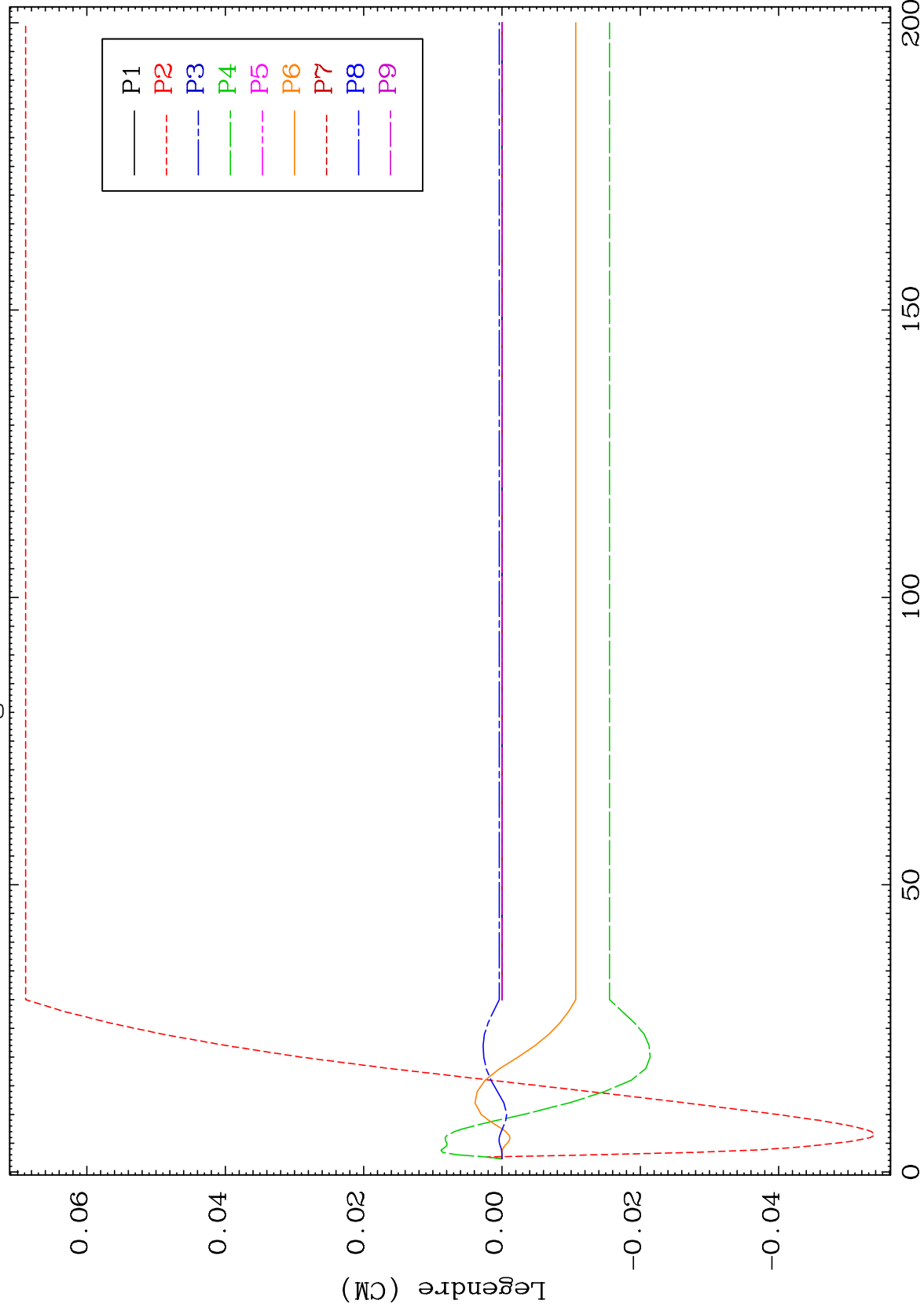
54-Xe-134



MAT 5455

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

54-Xe-134



69

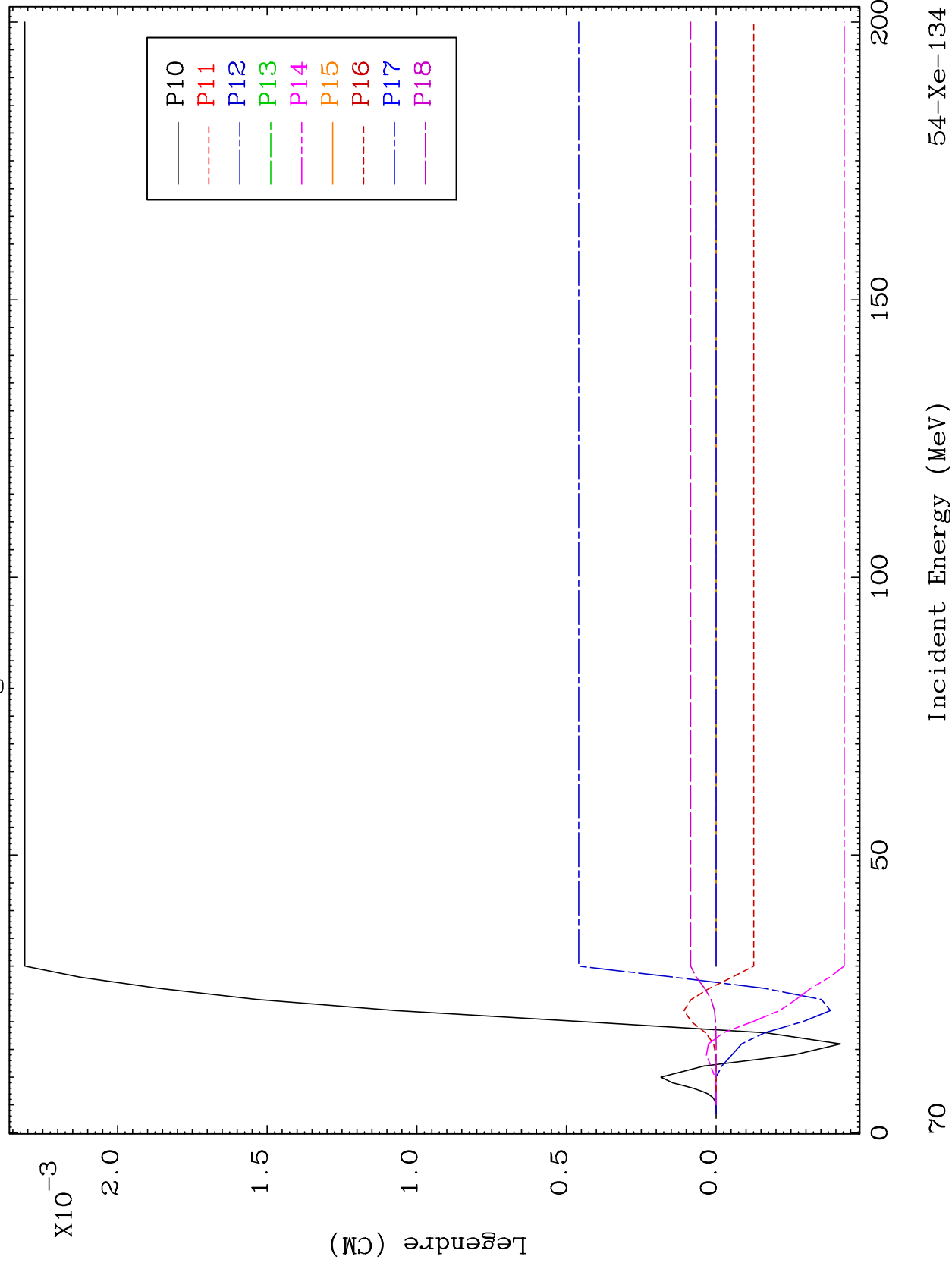
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

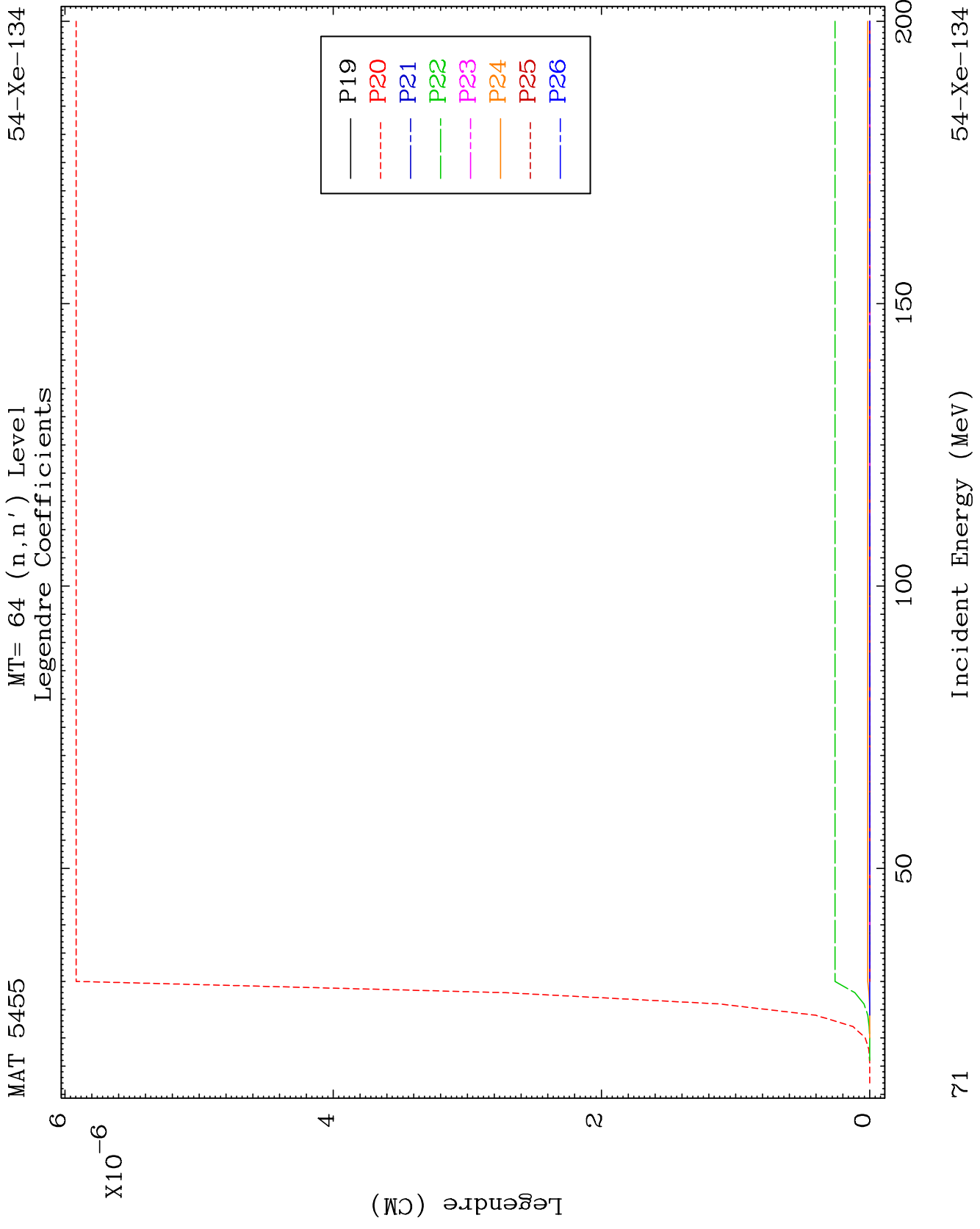
54-Xe-134



70

Incident Energy (MeV)

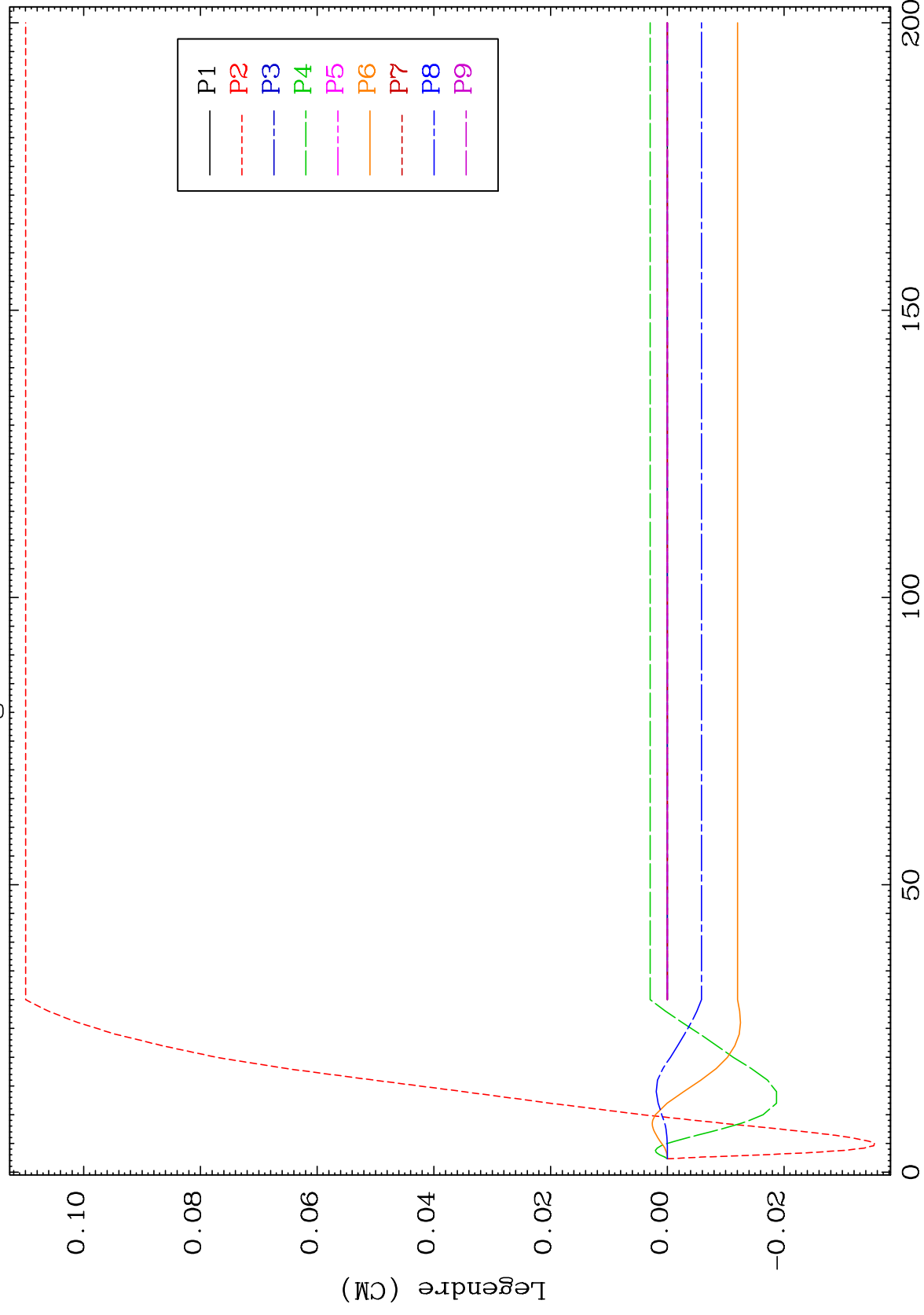
54-Xe-134



MAT 5455

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

54-Xe-134



72

Incident Energy (MeV)

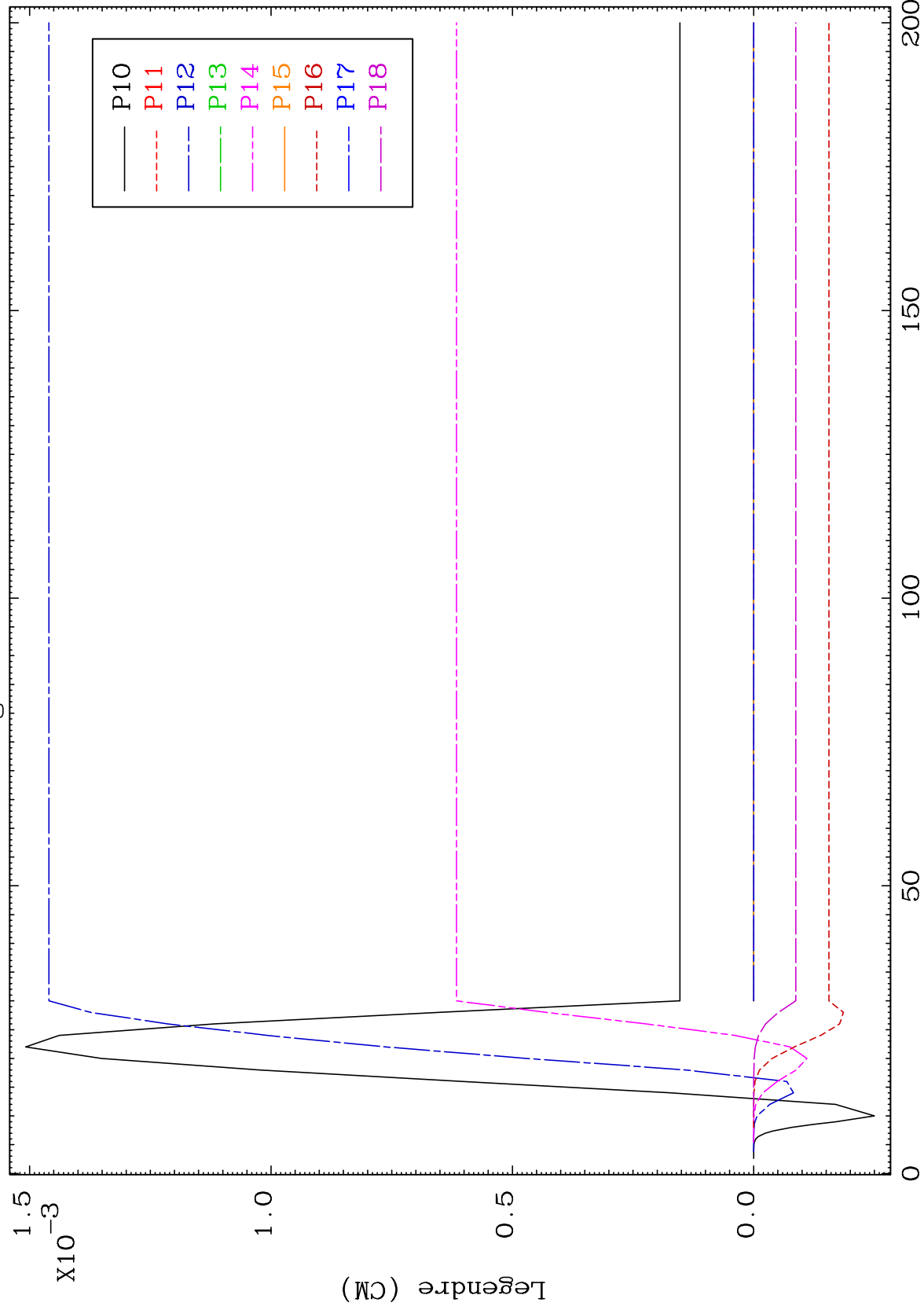
54-Xe-134

MAT 5455

MT= 65 (n,n') Level

54-Xe-134

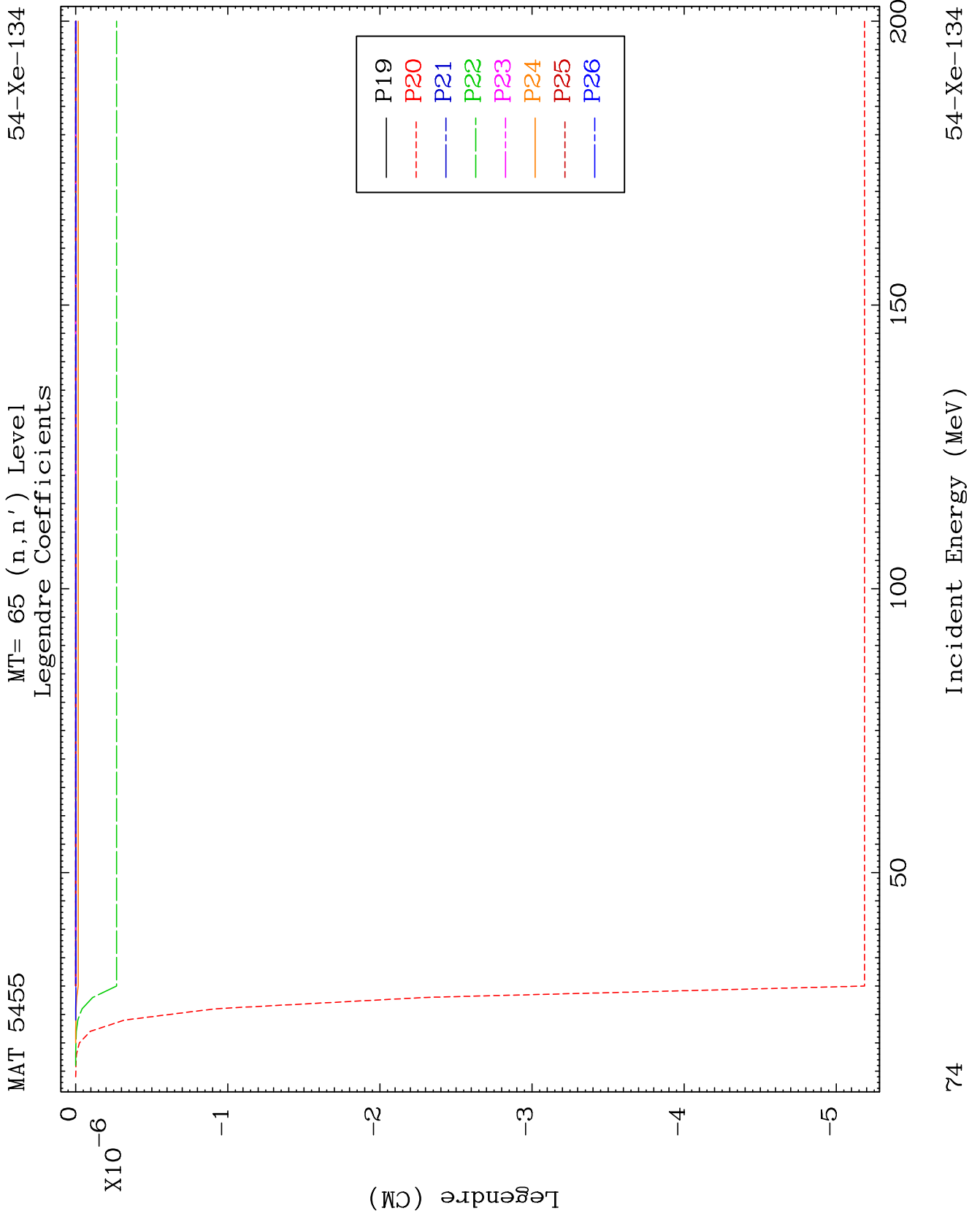
Legendre Coefficients



73

Incident Energy (MeV)

54-Xe-134

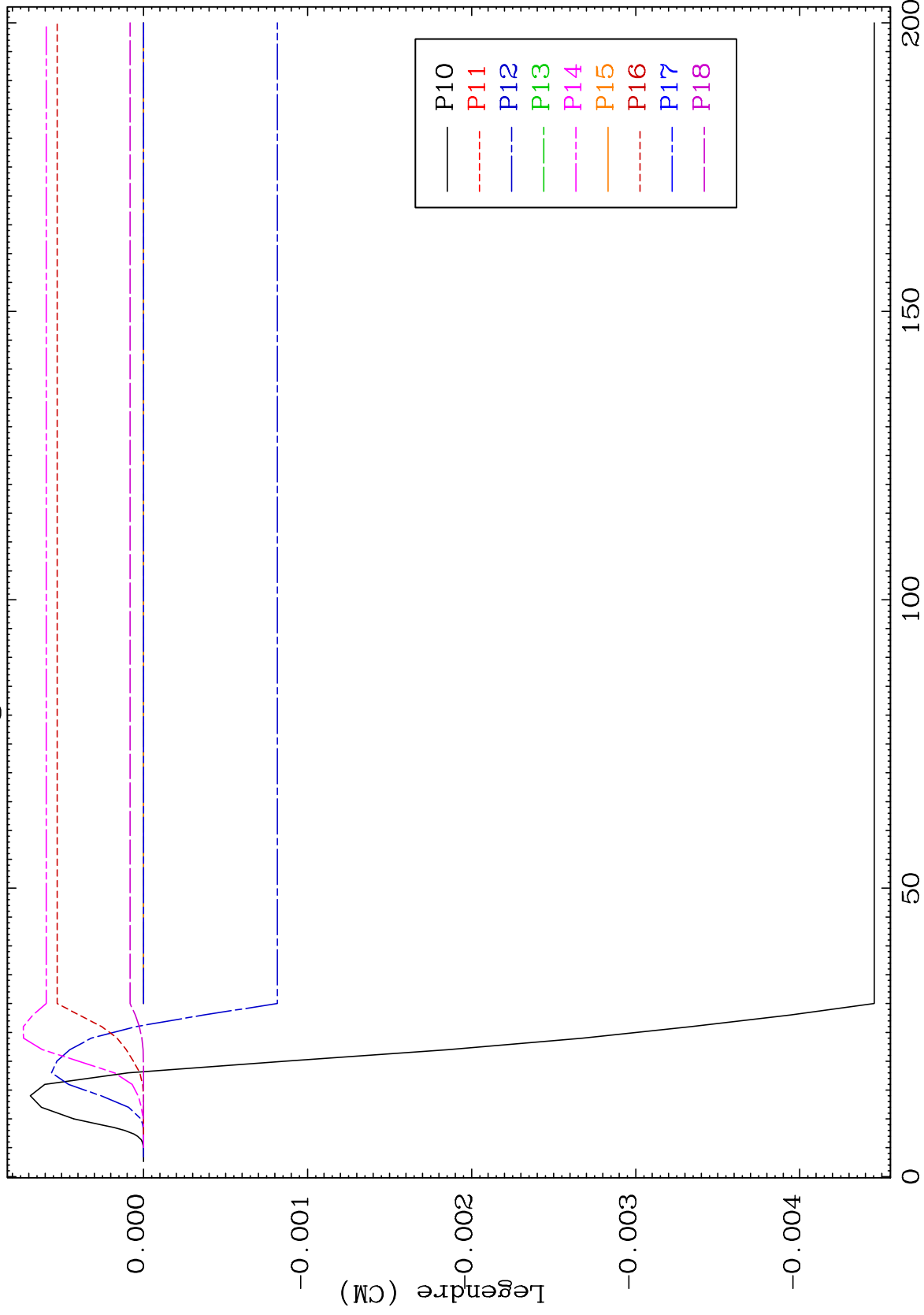




MAT 5455

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

54-Xe-134

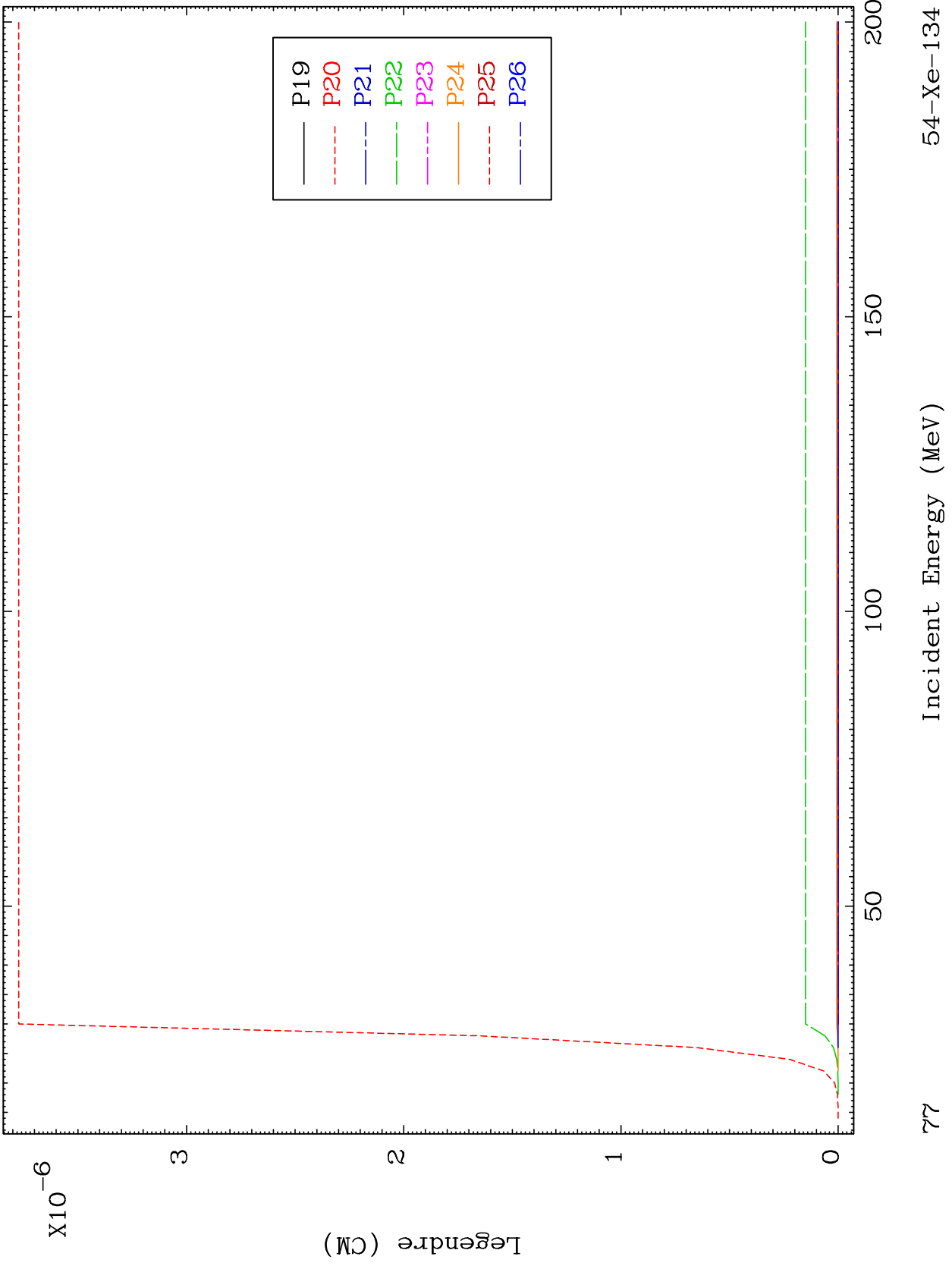


76

Incident Energy (MeV)

54-Xe-134

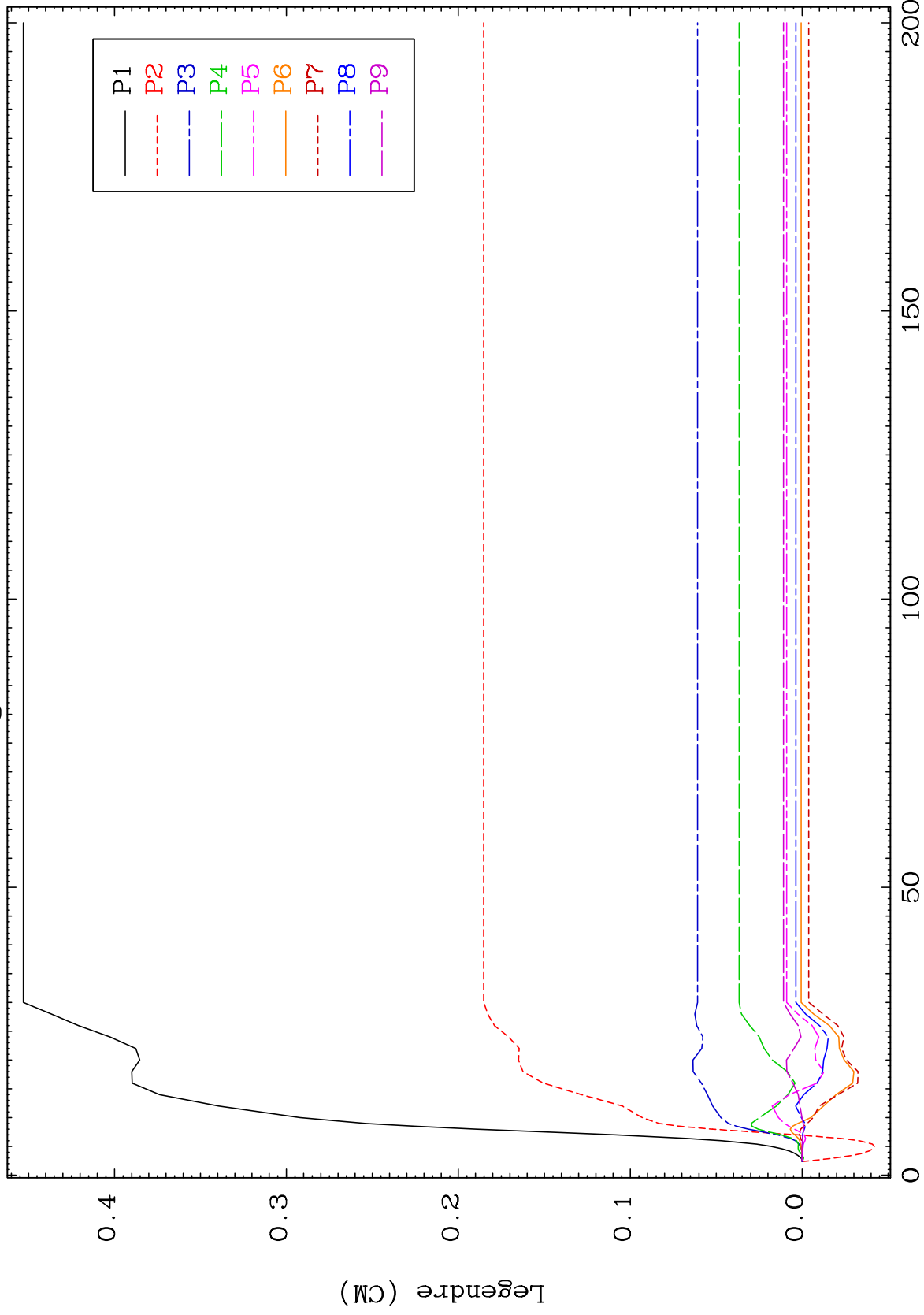
MAT 5455 MT= 66 (n,n') Level Legendre Coefficients 54-Xe-134



MAT 5455

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

54-Xe-134



78

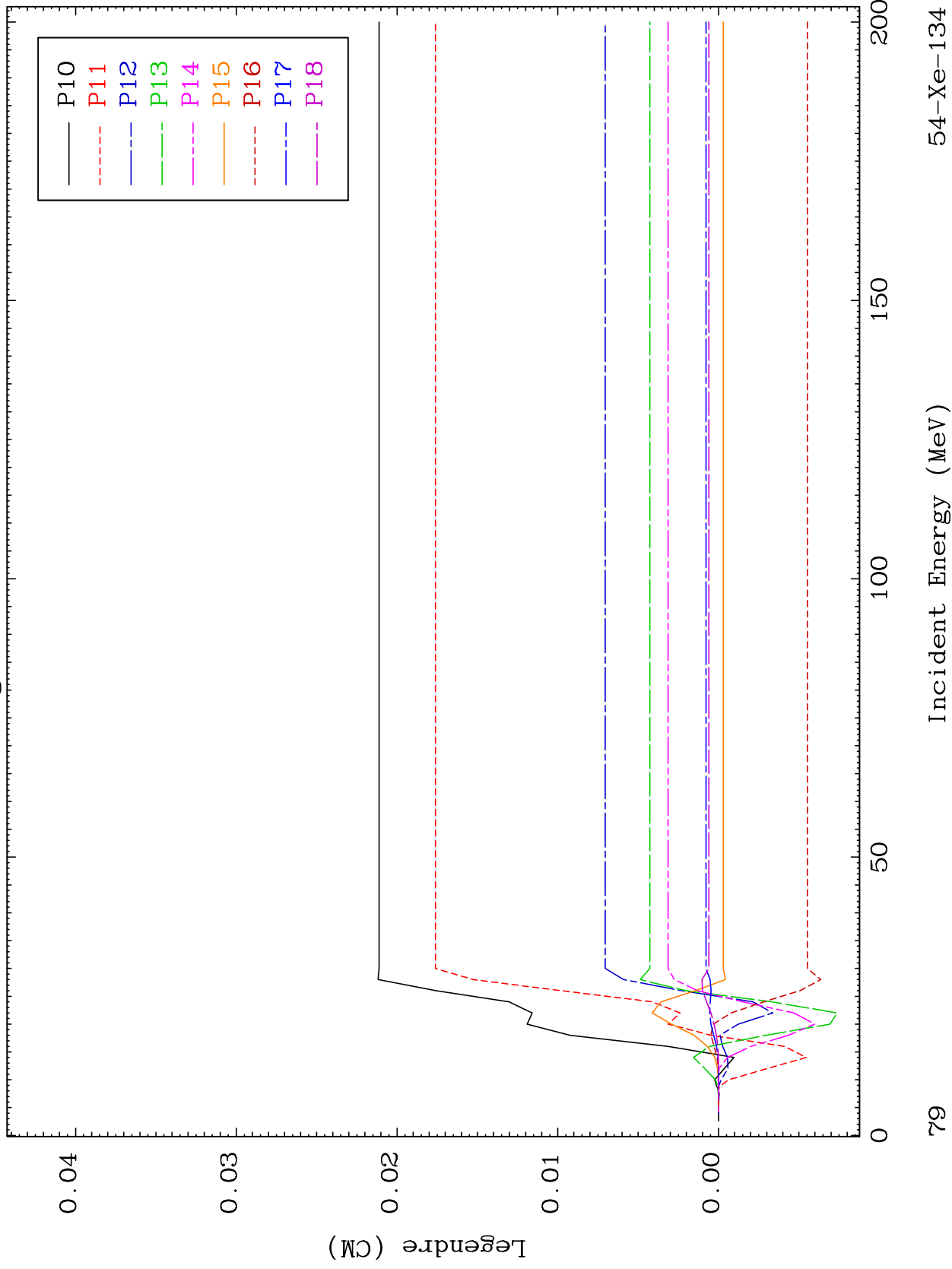
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



54-Xe-134

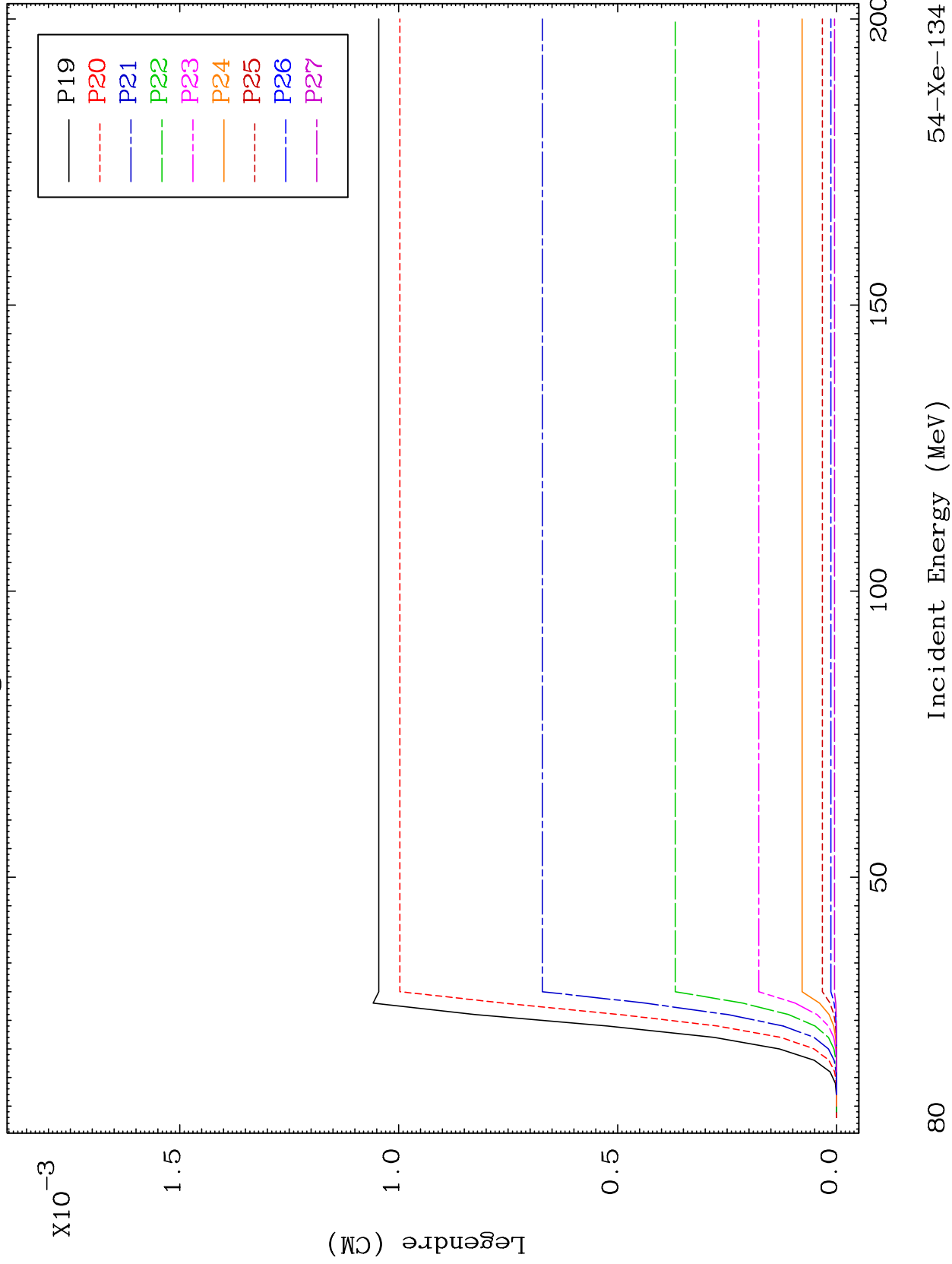
Incident Energy (MeV)

79

MAT 5455

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

54-Xe-134



54-Xe-134

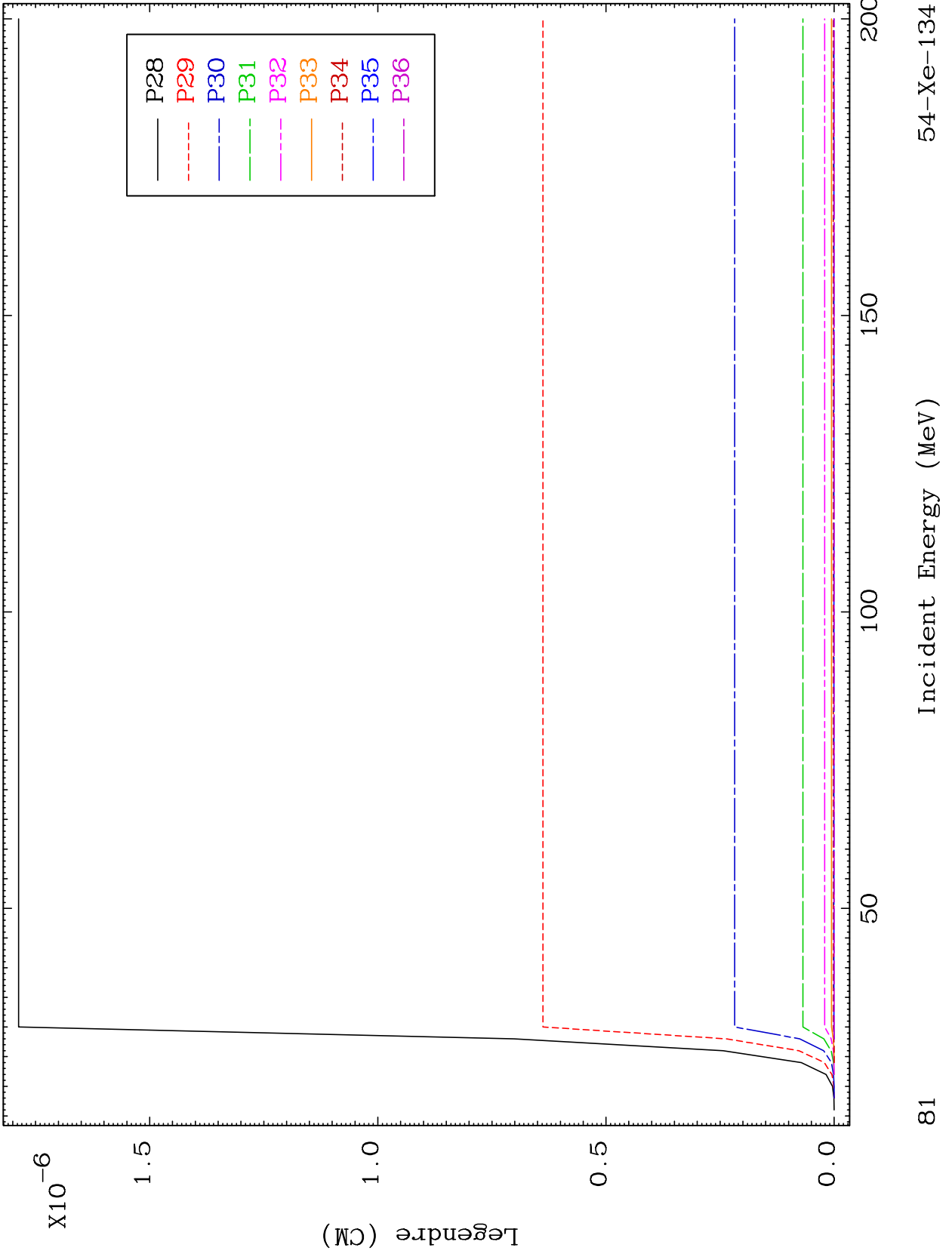
Incident Energy (MeV)

80

MAT 5455

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

54-Xe-134



81

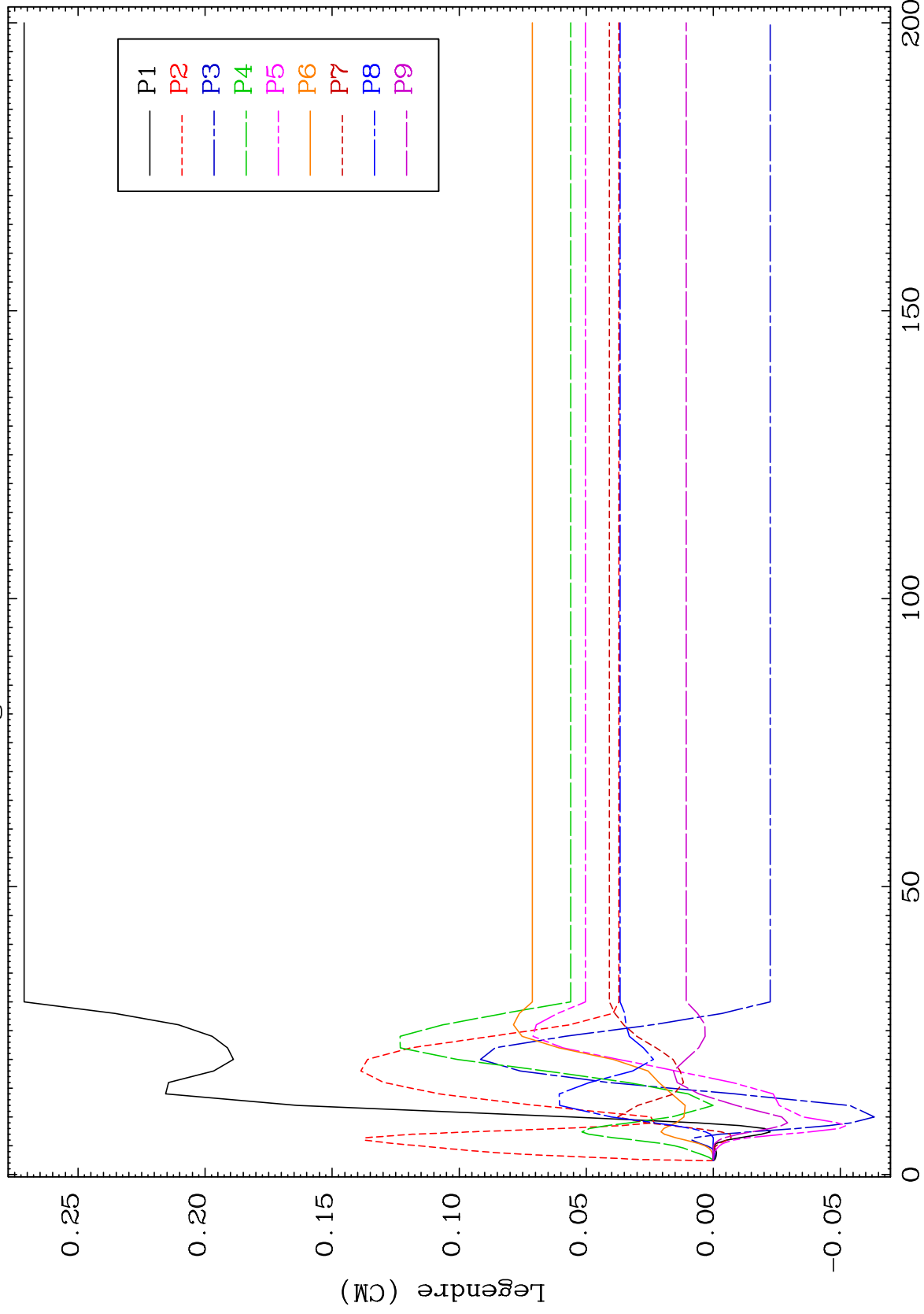
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



82

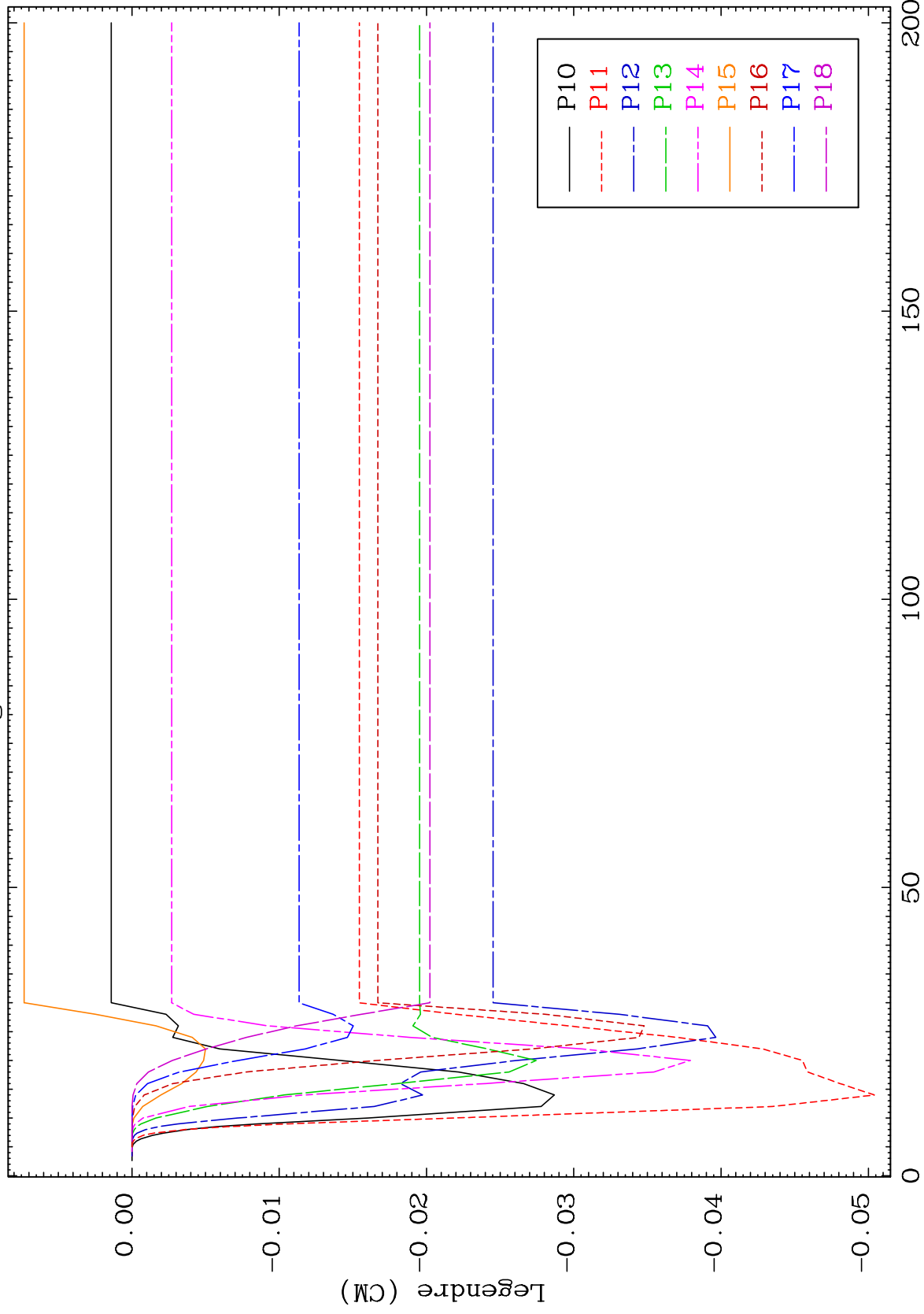
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

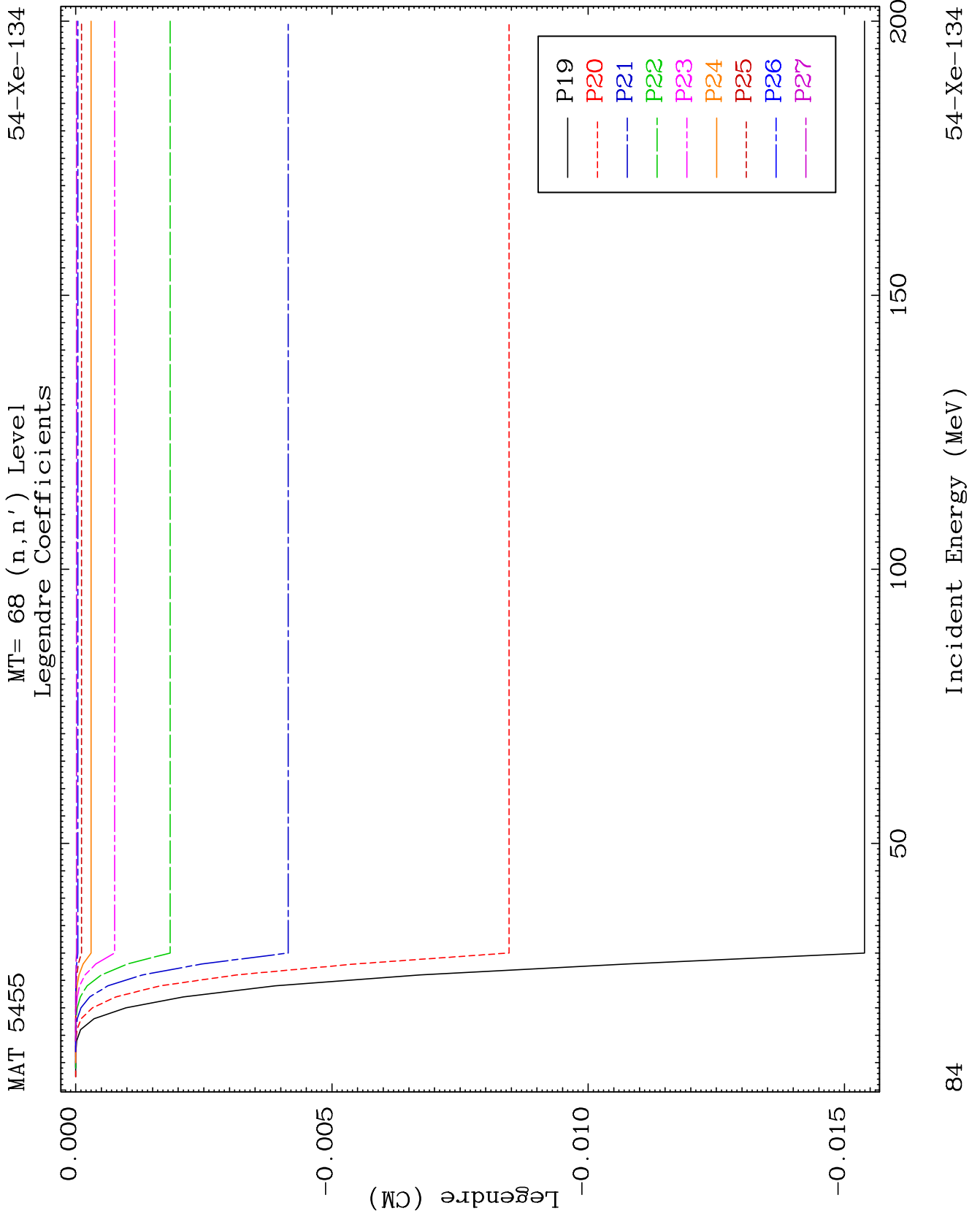
54-Xe-134

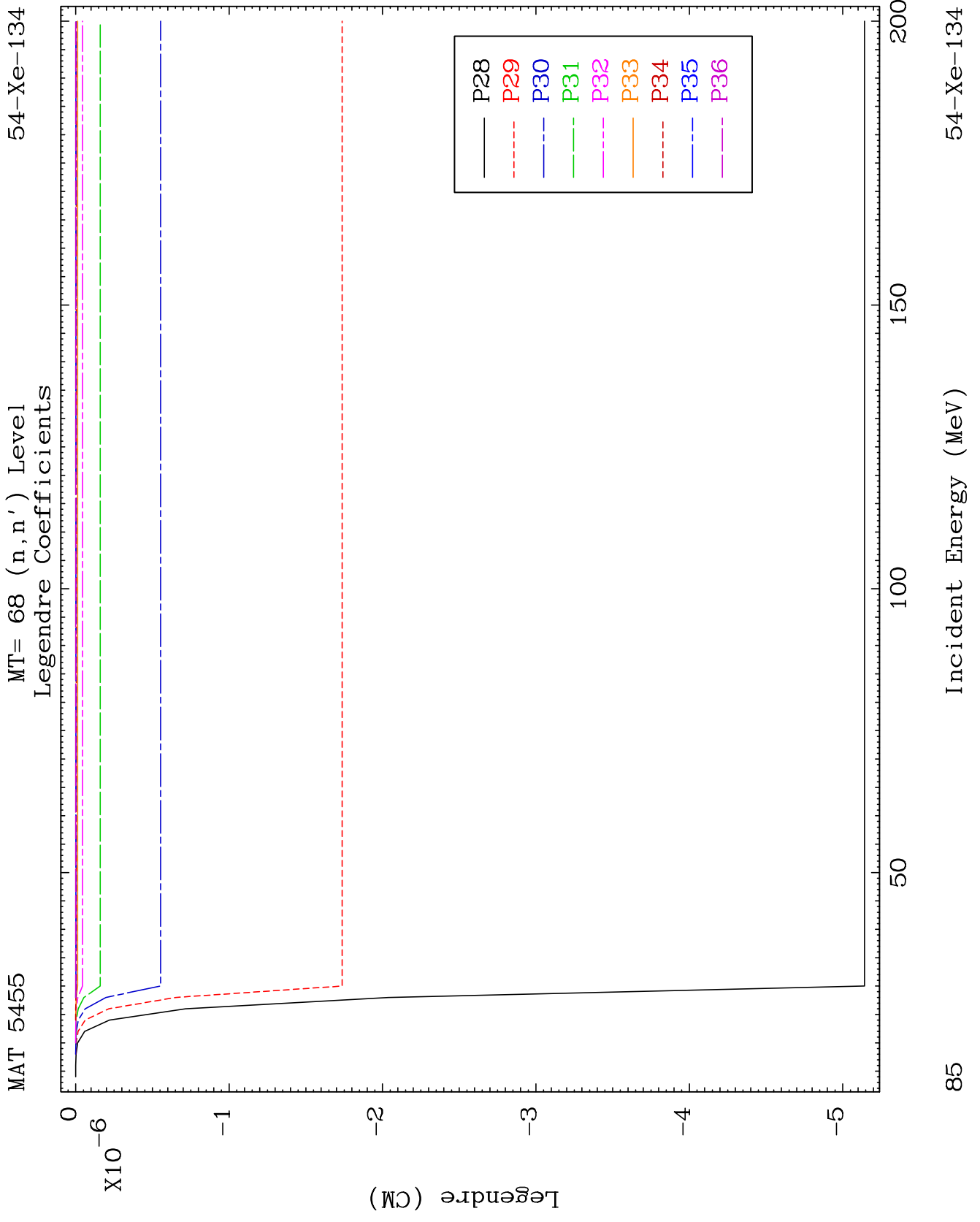


83

Incident Energy (MeV)

54-Xe-134

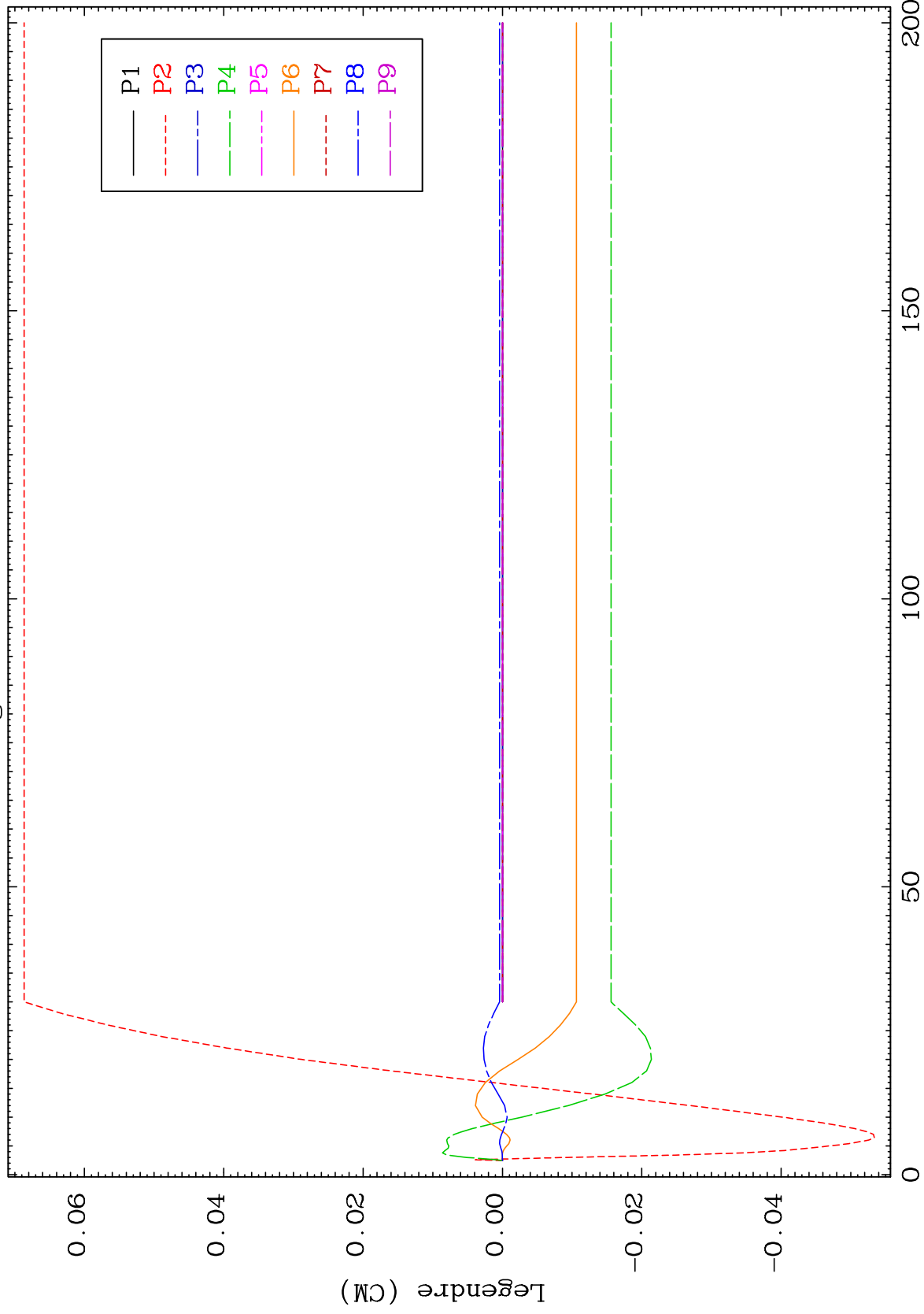




MAT 5455

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

54-Xe-134

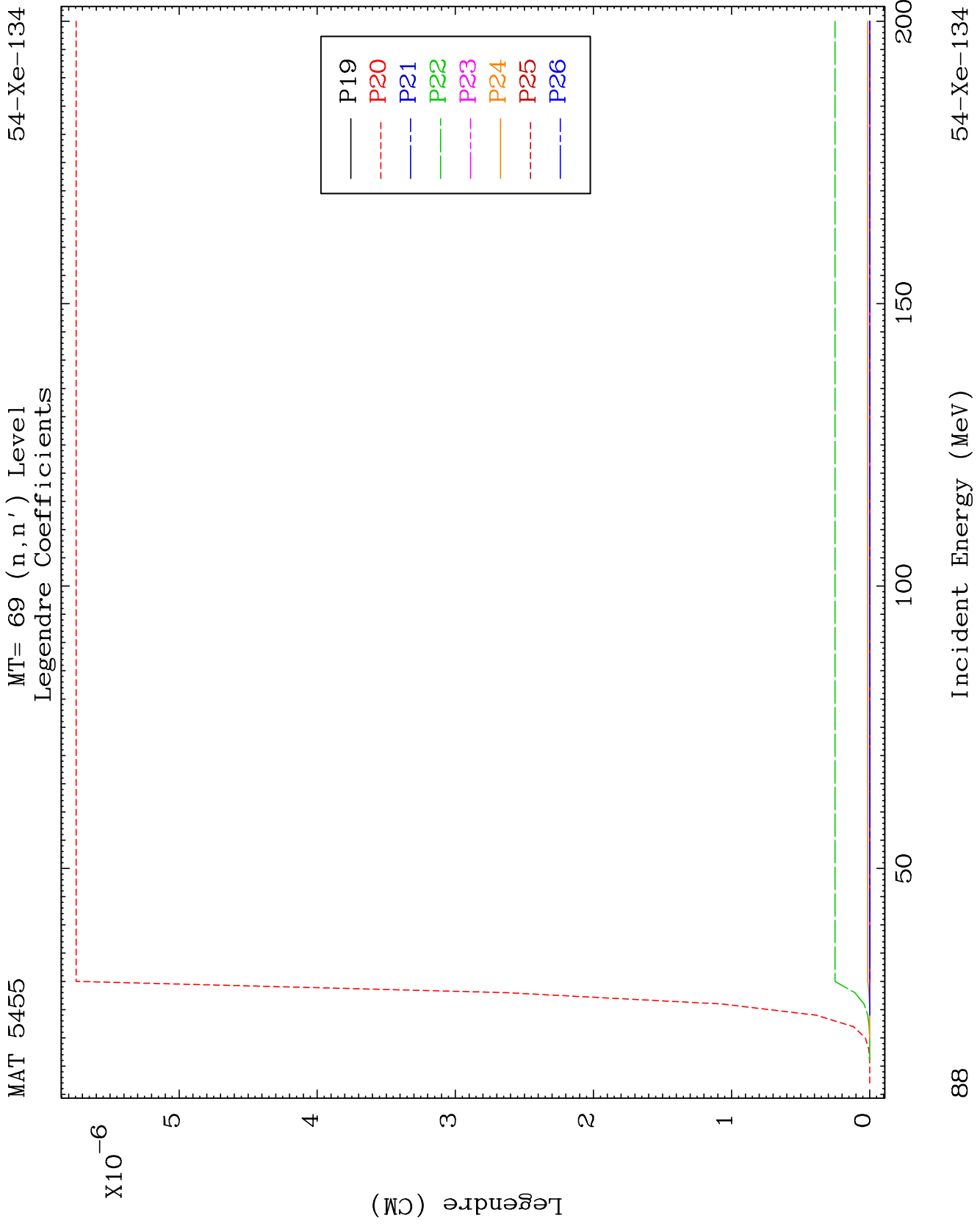


54-Xe-134

Incident Energy (MeV)

86

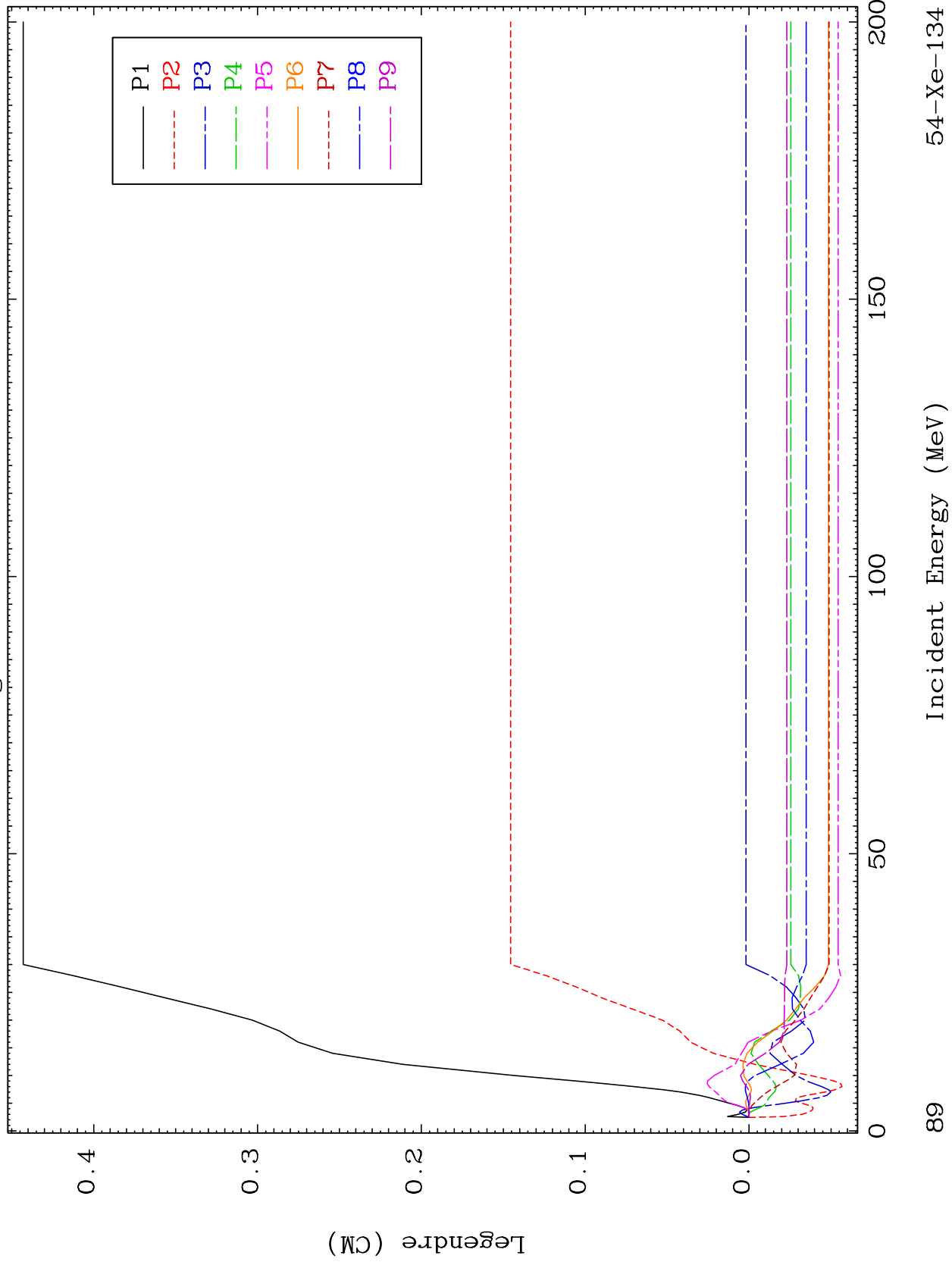




MAT 5455

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

54-Xe-134



89

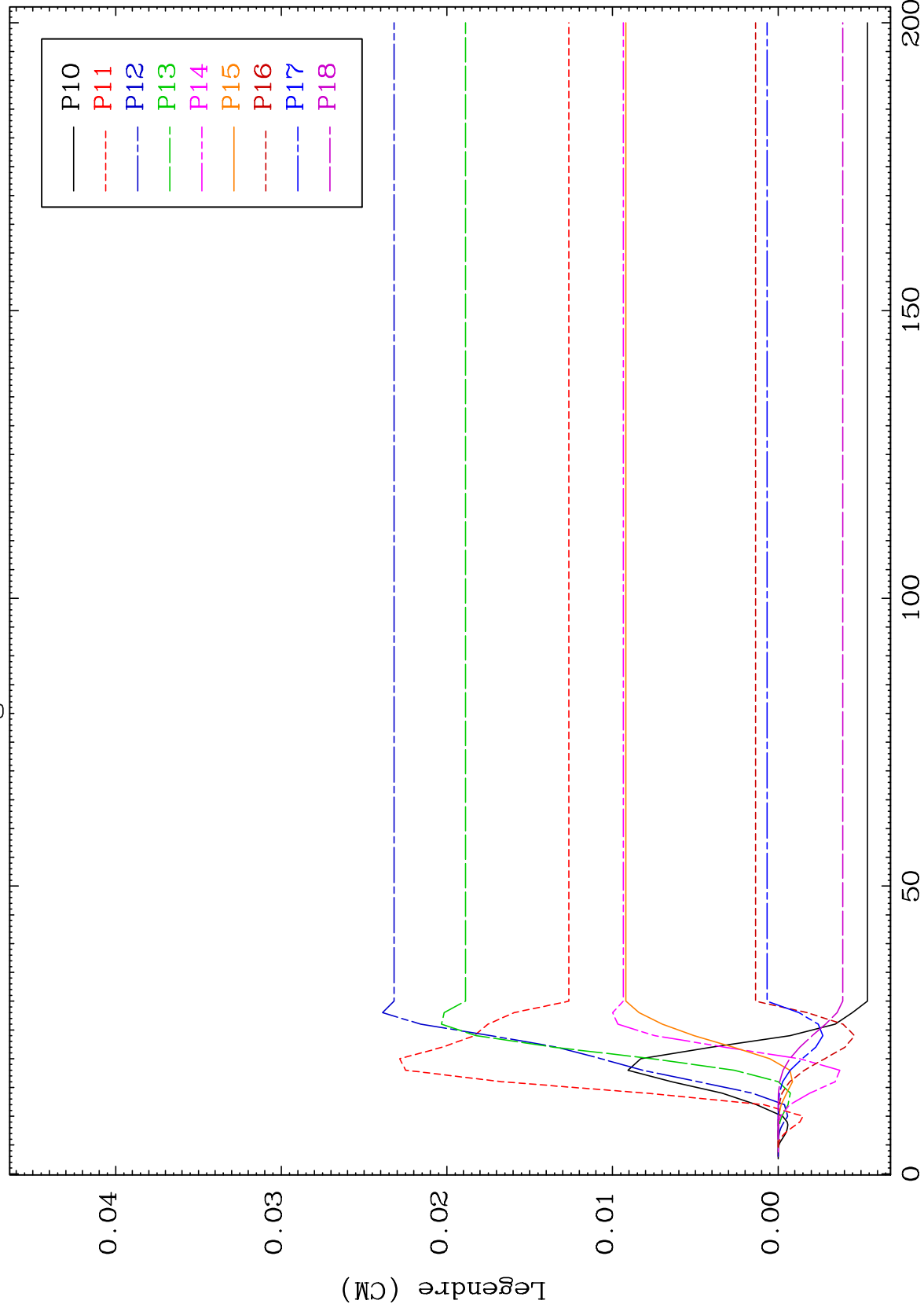
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



90

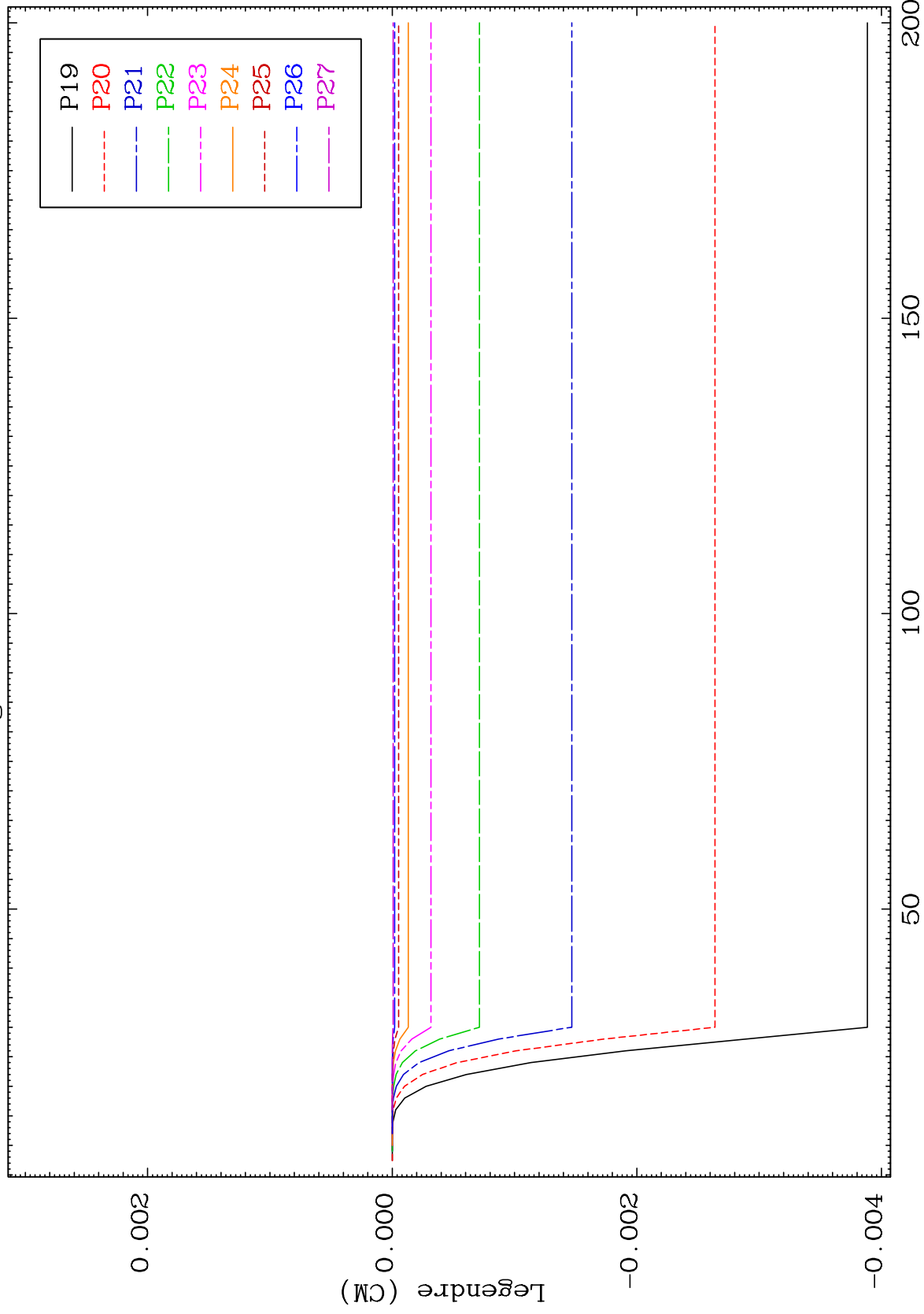
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

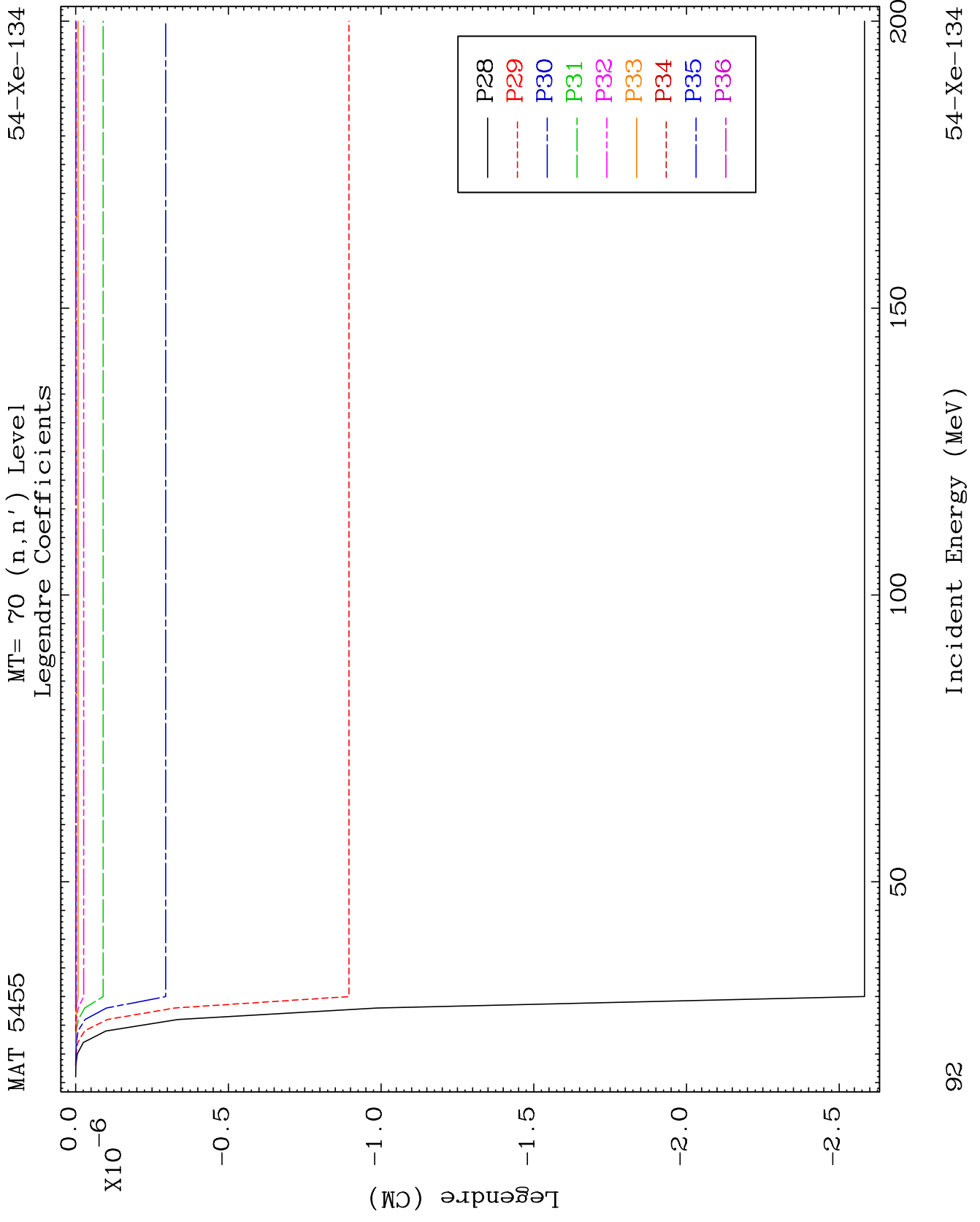
54-Xe-134



91

Incident Energy (MeV)

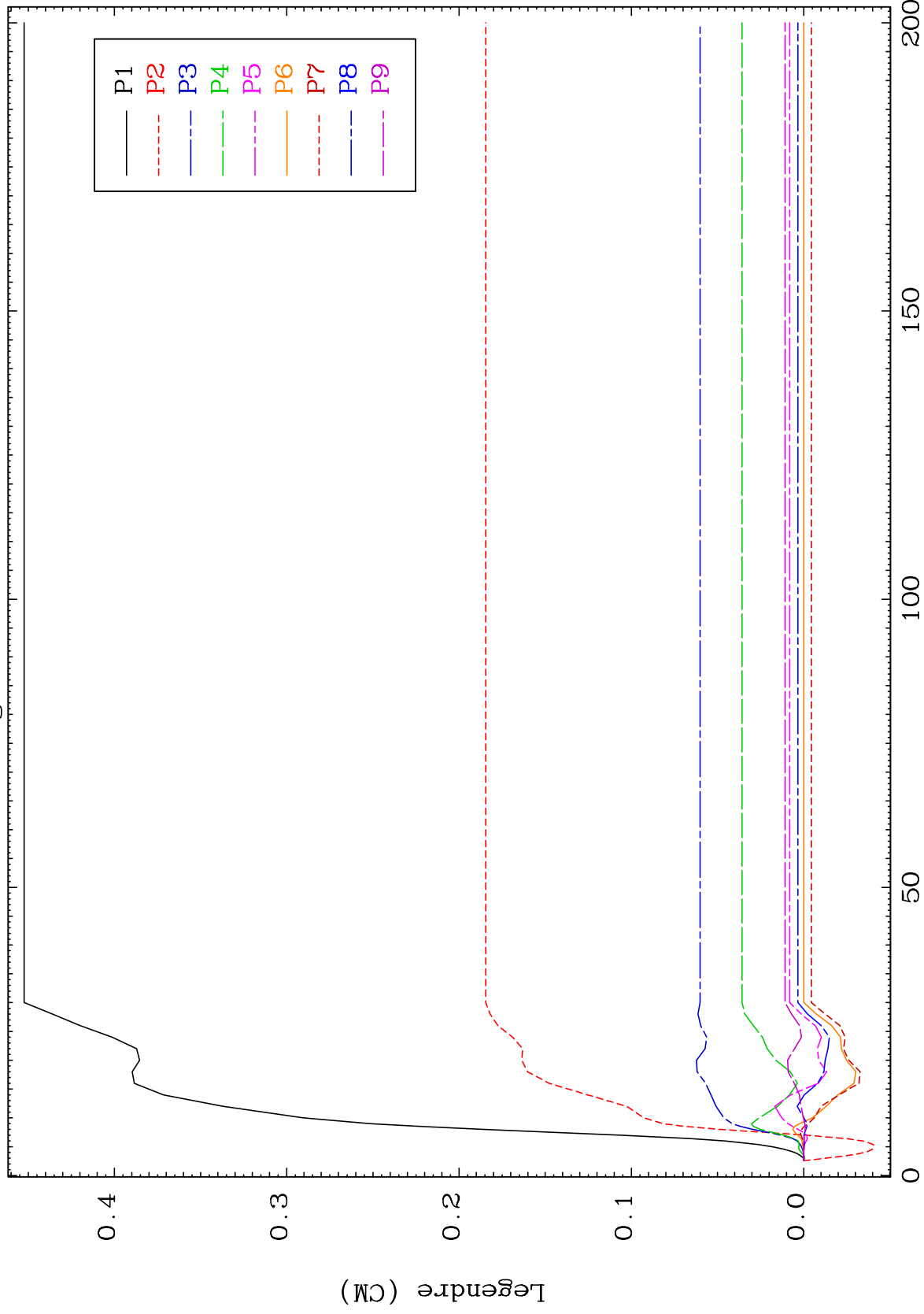
54-Xe-134



MAT 5455

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

54-Xe-134



93

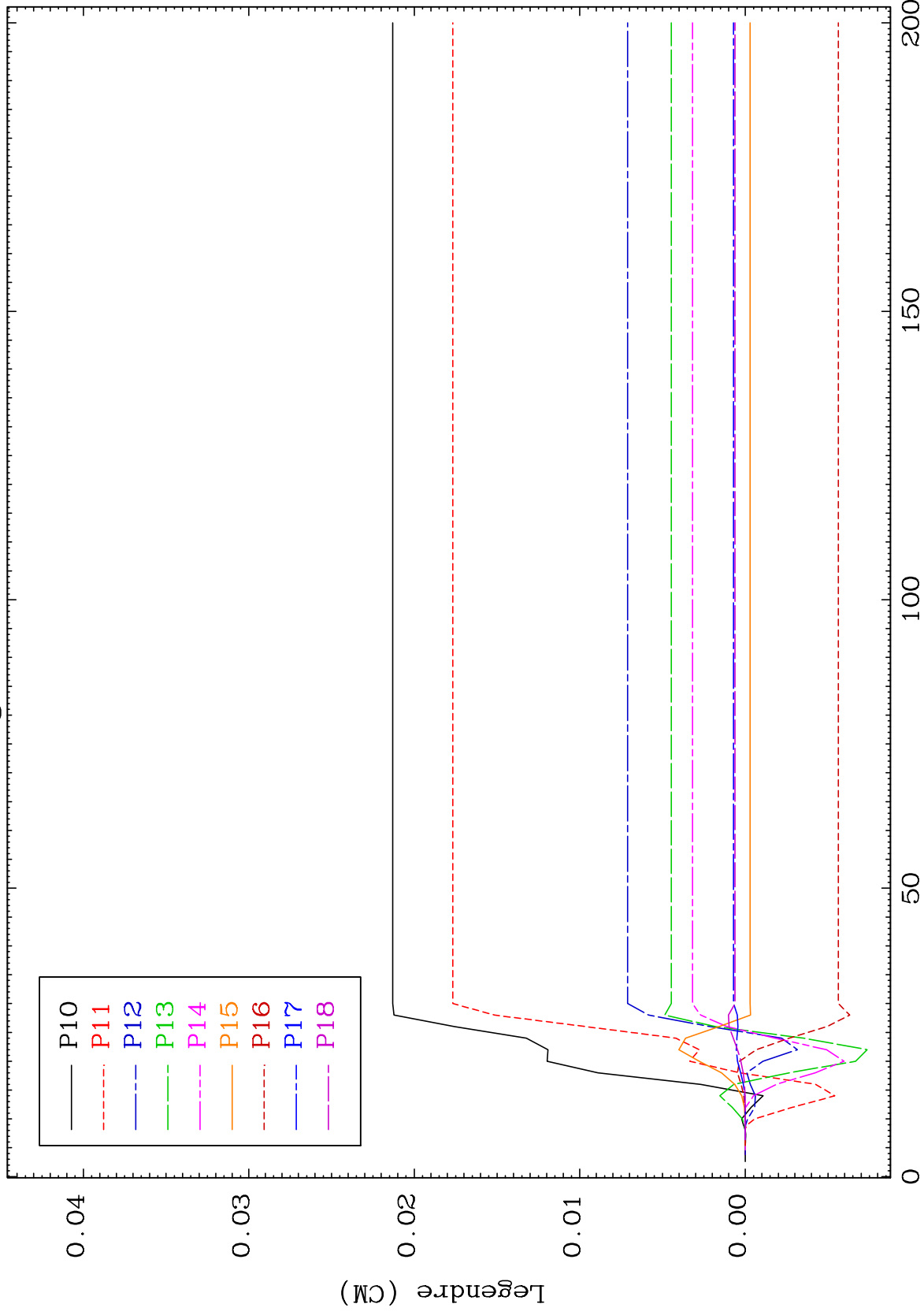
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



94

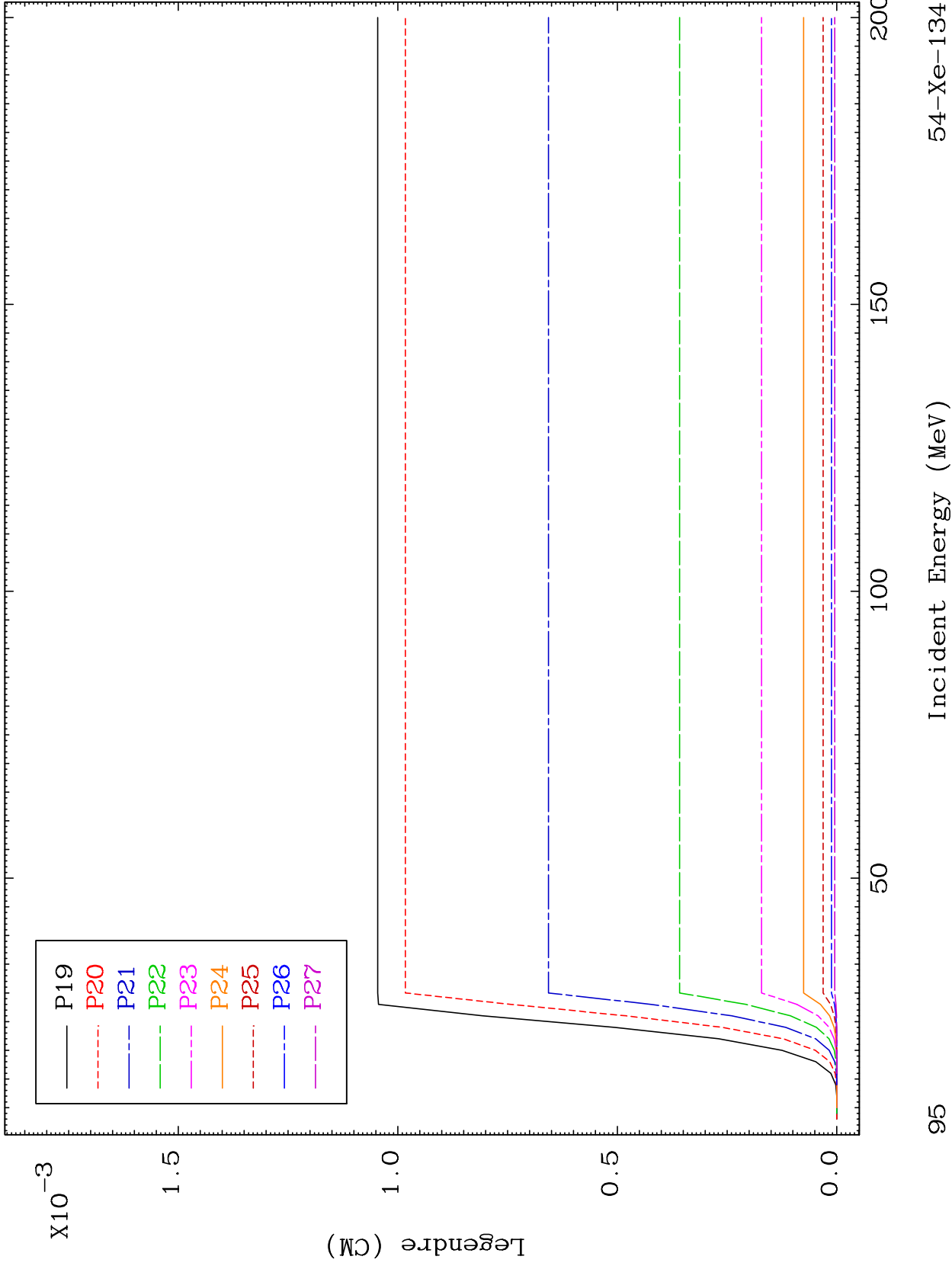
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

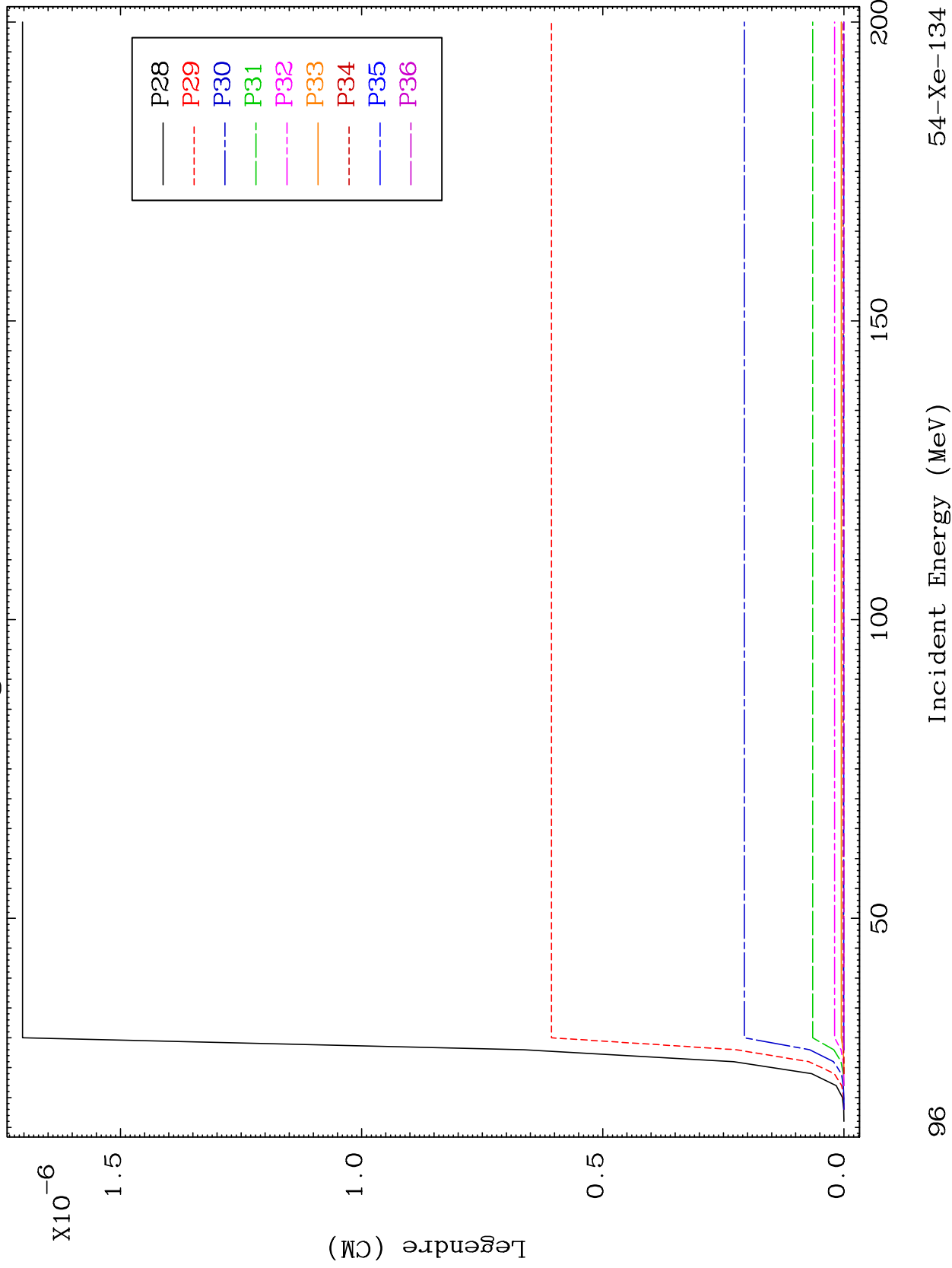
54-Xe-134



MAT 5455

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

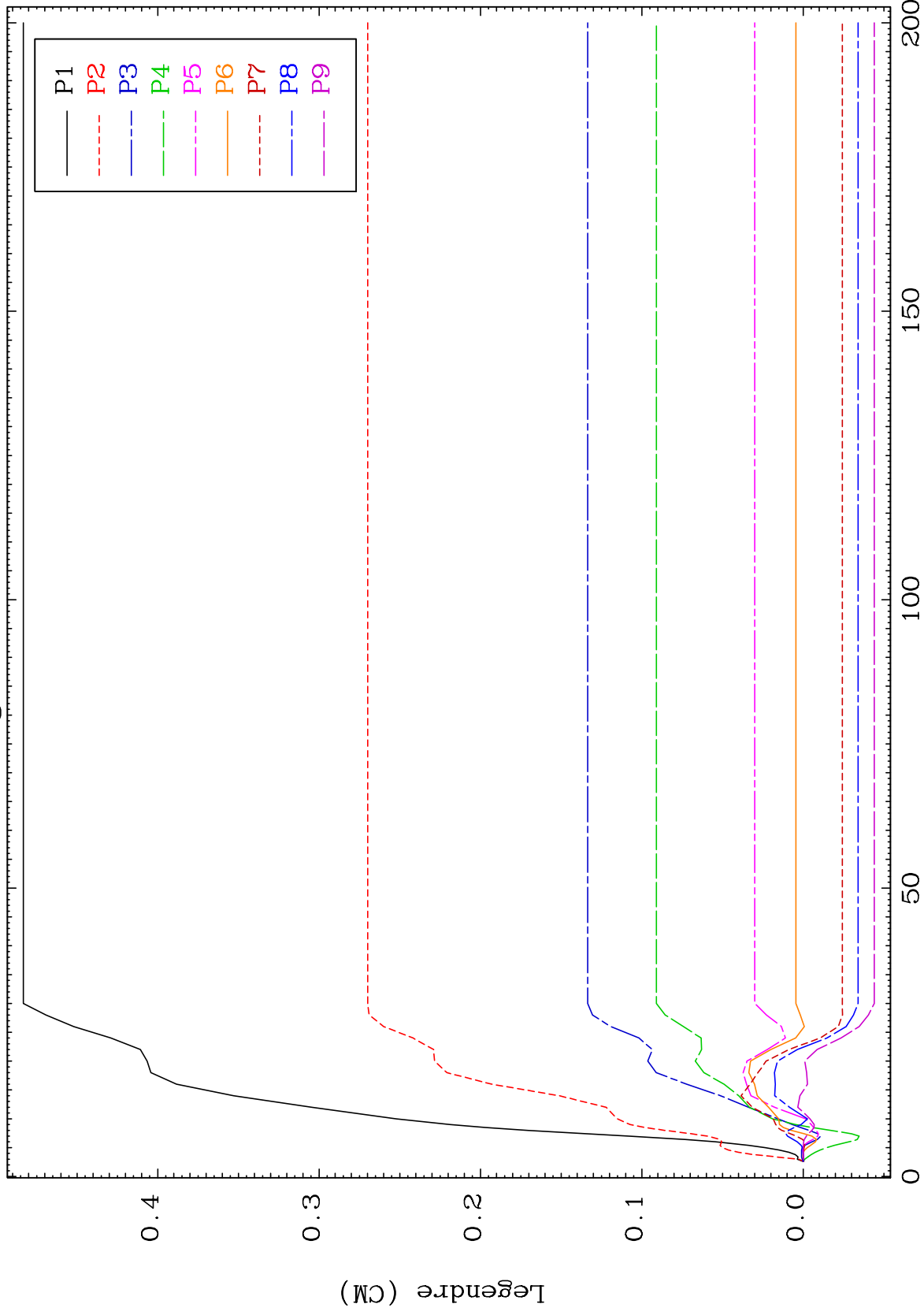
54-Xe-134



MAT 5455

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

54-Xe-134



97

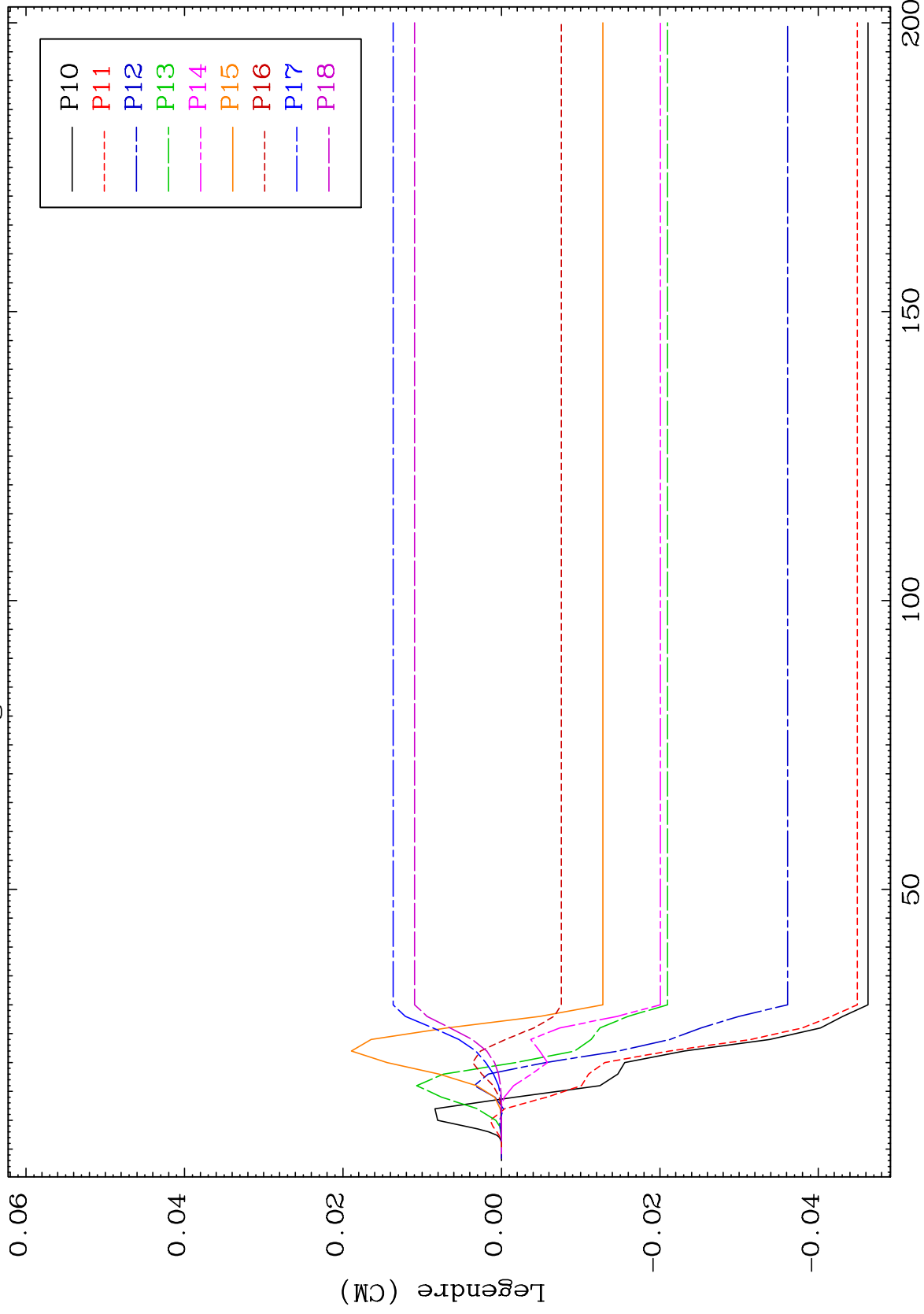
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



98

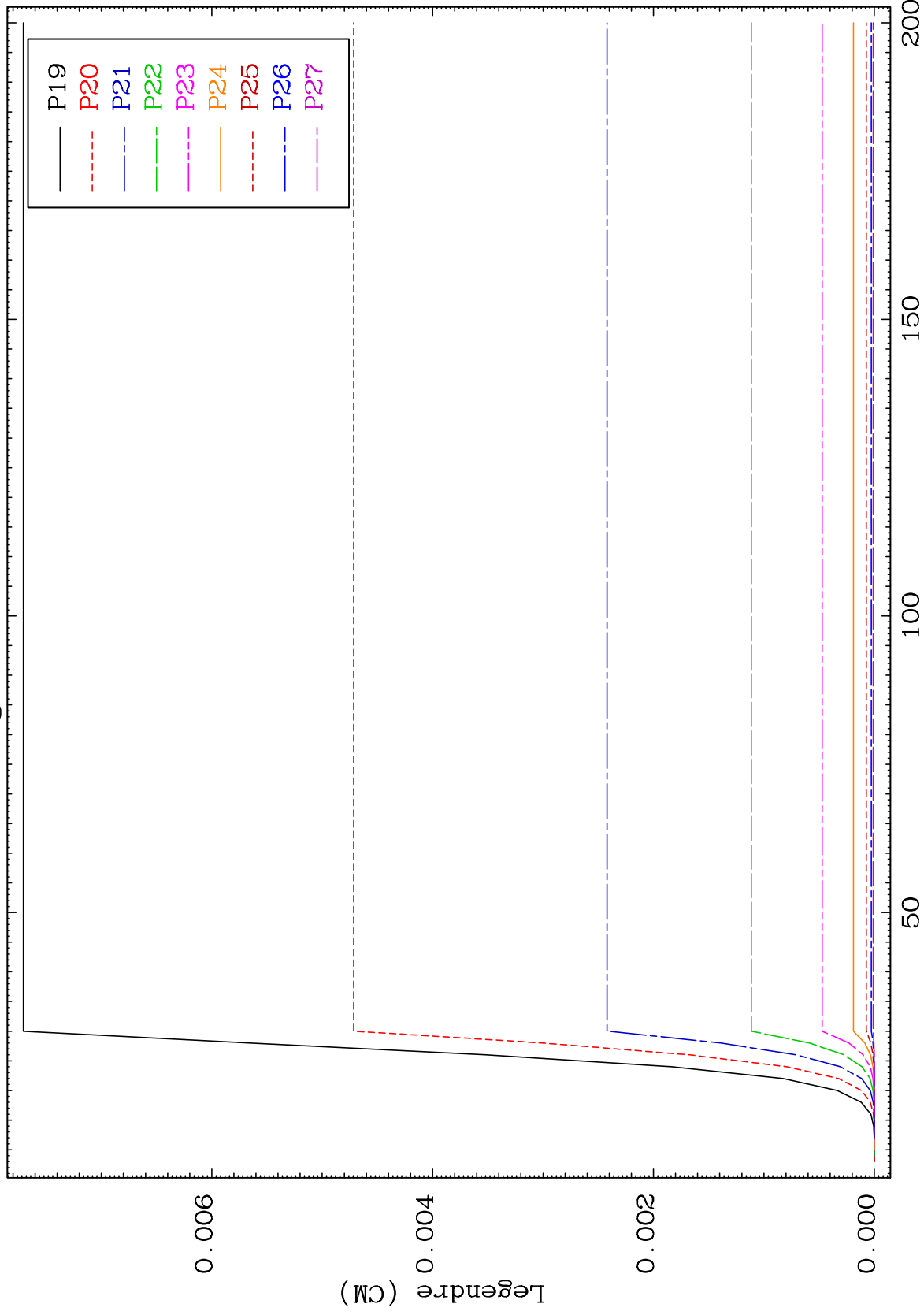
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



99

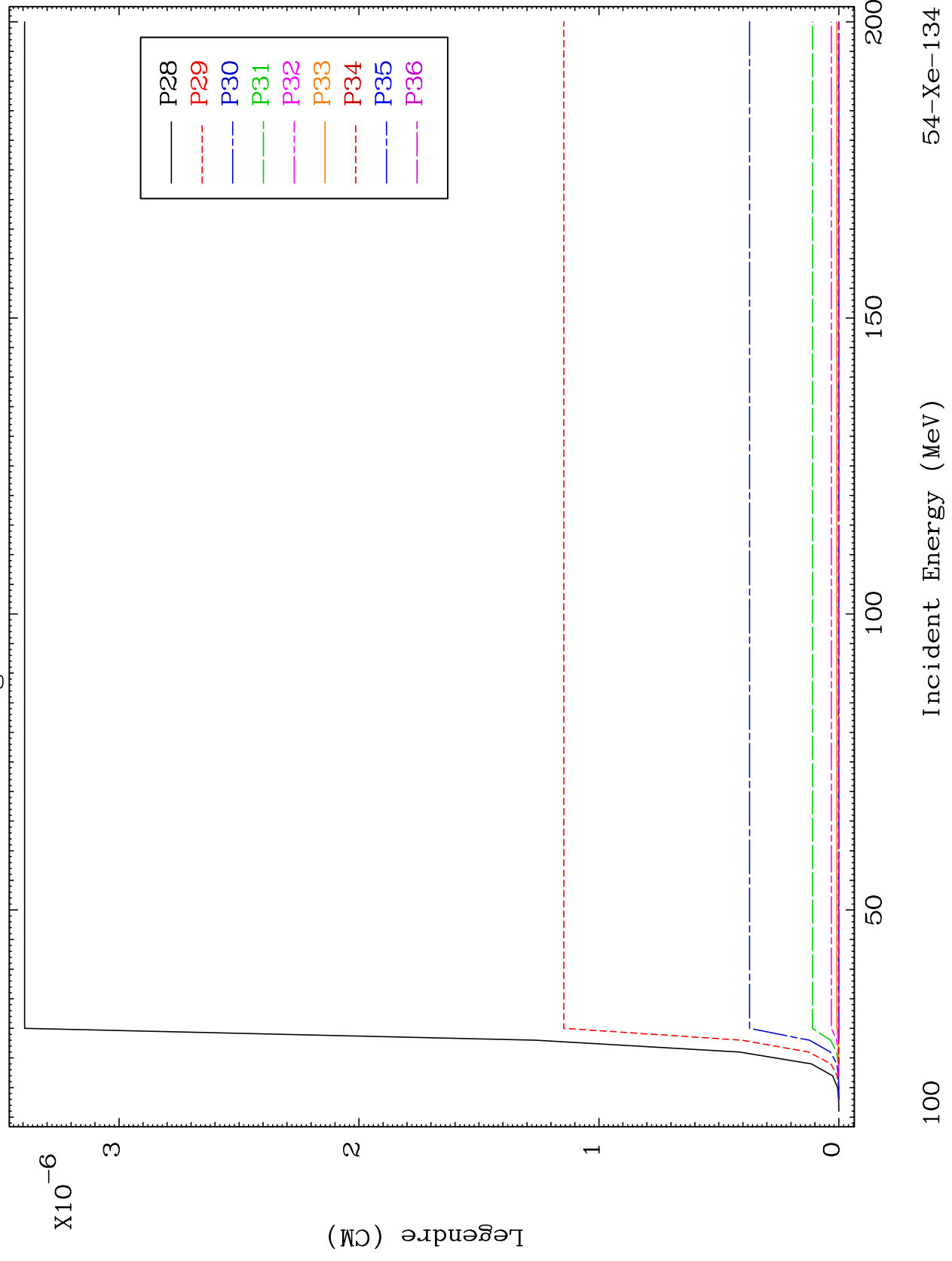
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



54-Xe-134

Incident Energy (MeV)

100

50

100

150

200

$\times 10^{-6}$

3

Legendre (CM)

2

1

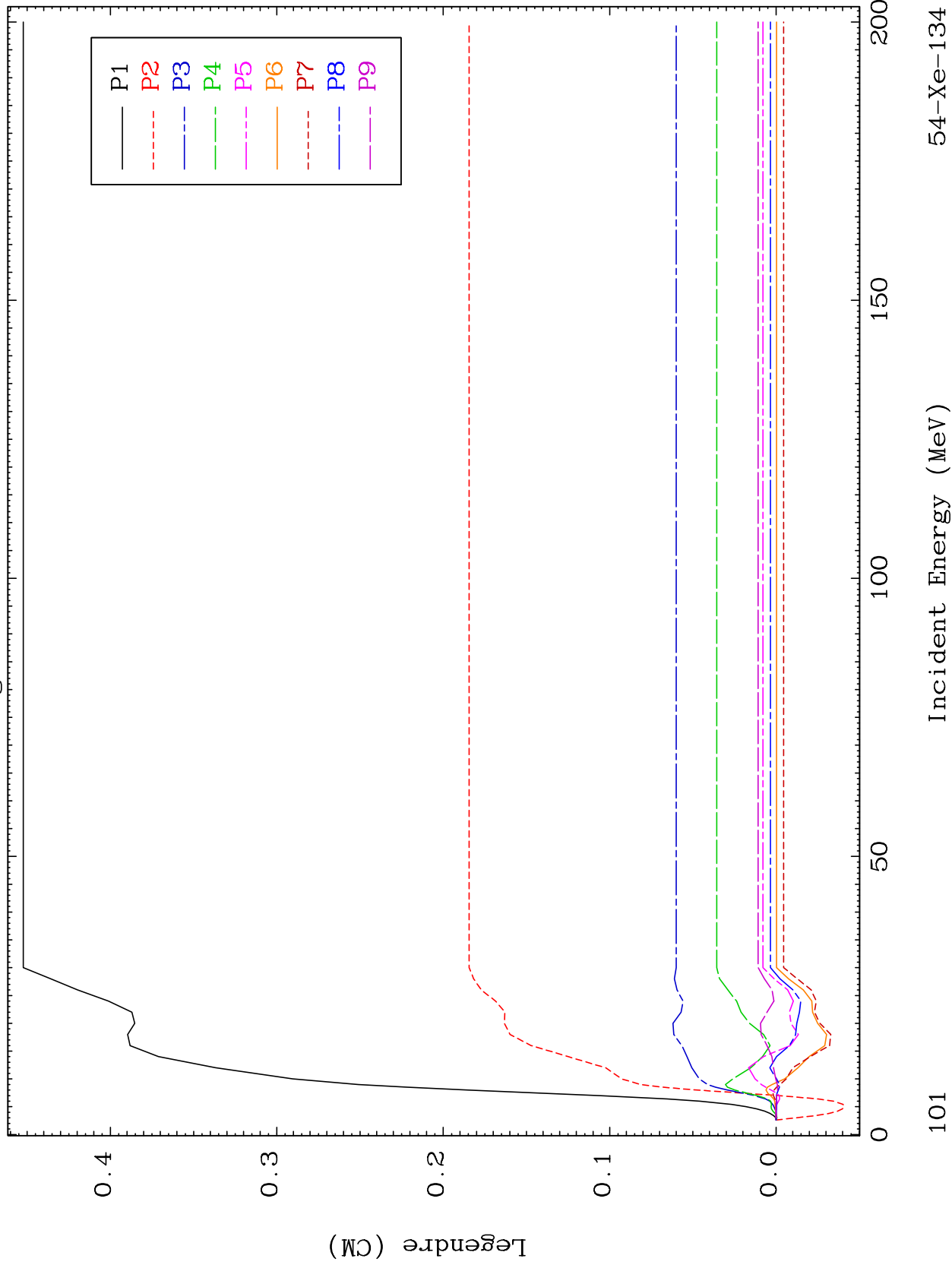
0

- P28
- P29
- P30
- P31
- P32
- P33
- P34
- P35
- P36

MAT 5455

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

54-Xe-134



54-Xe-134

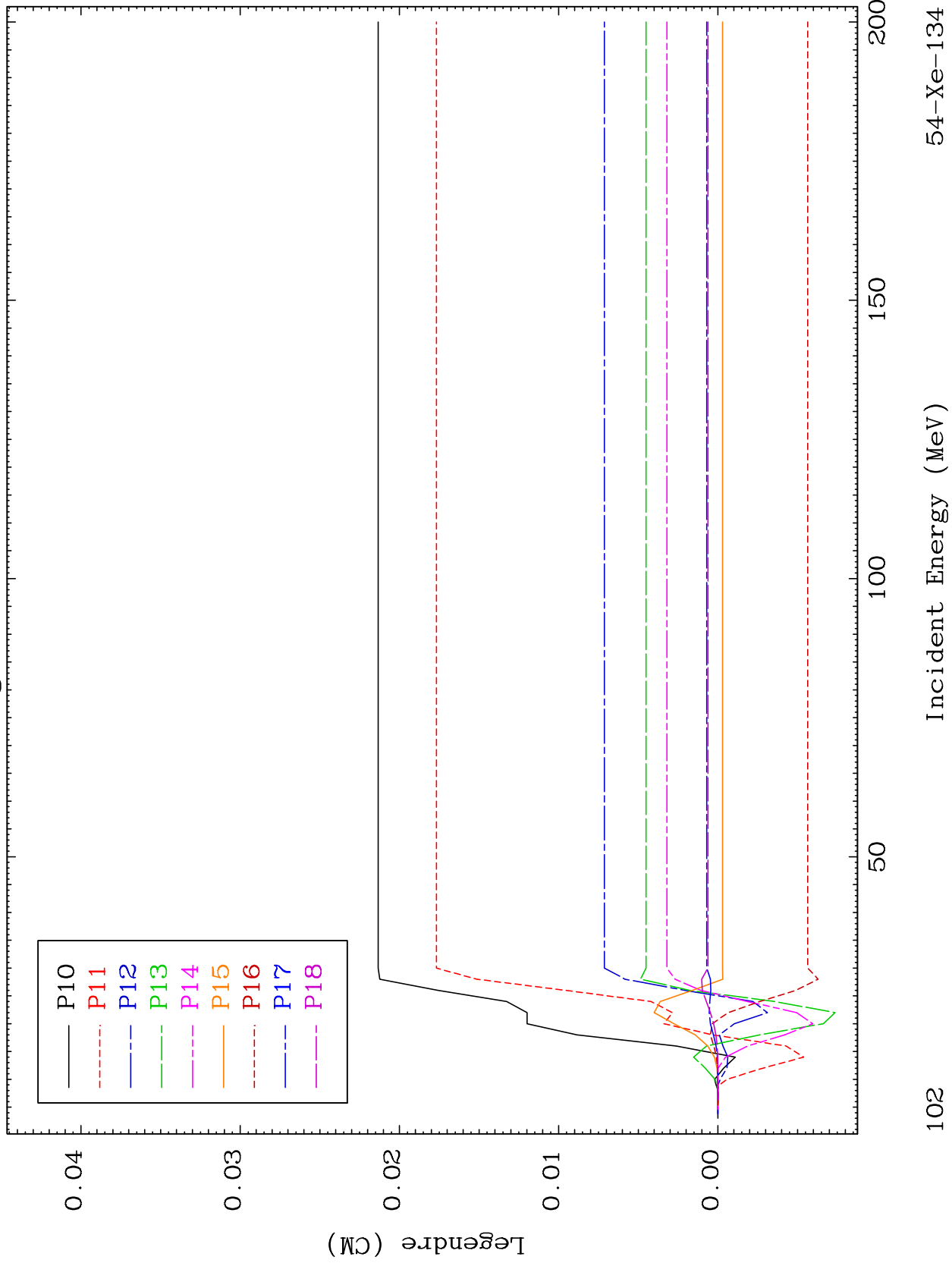
Incident Energy (MeV)

101

MAT 5455

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

54-Xe-134



102

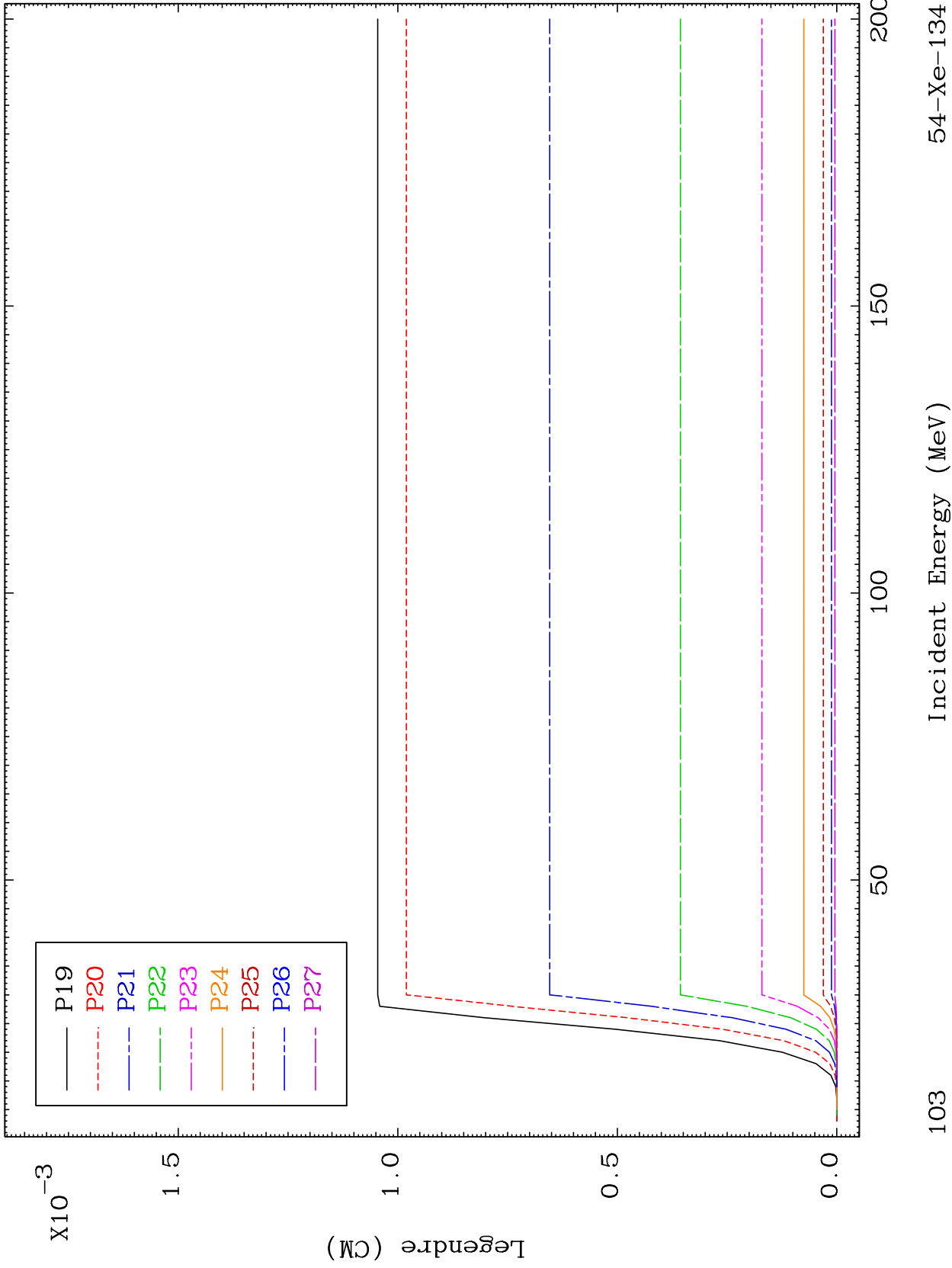
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



103

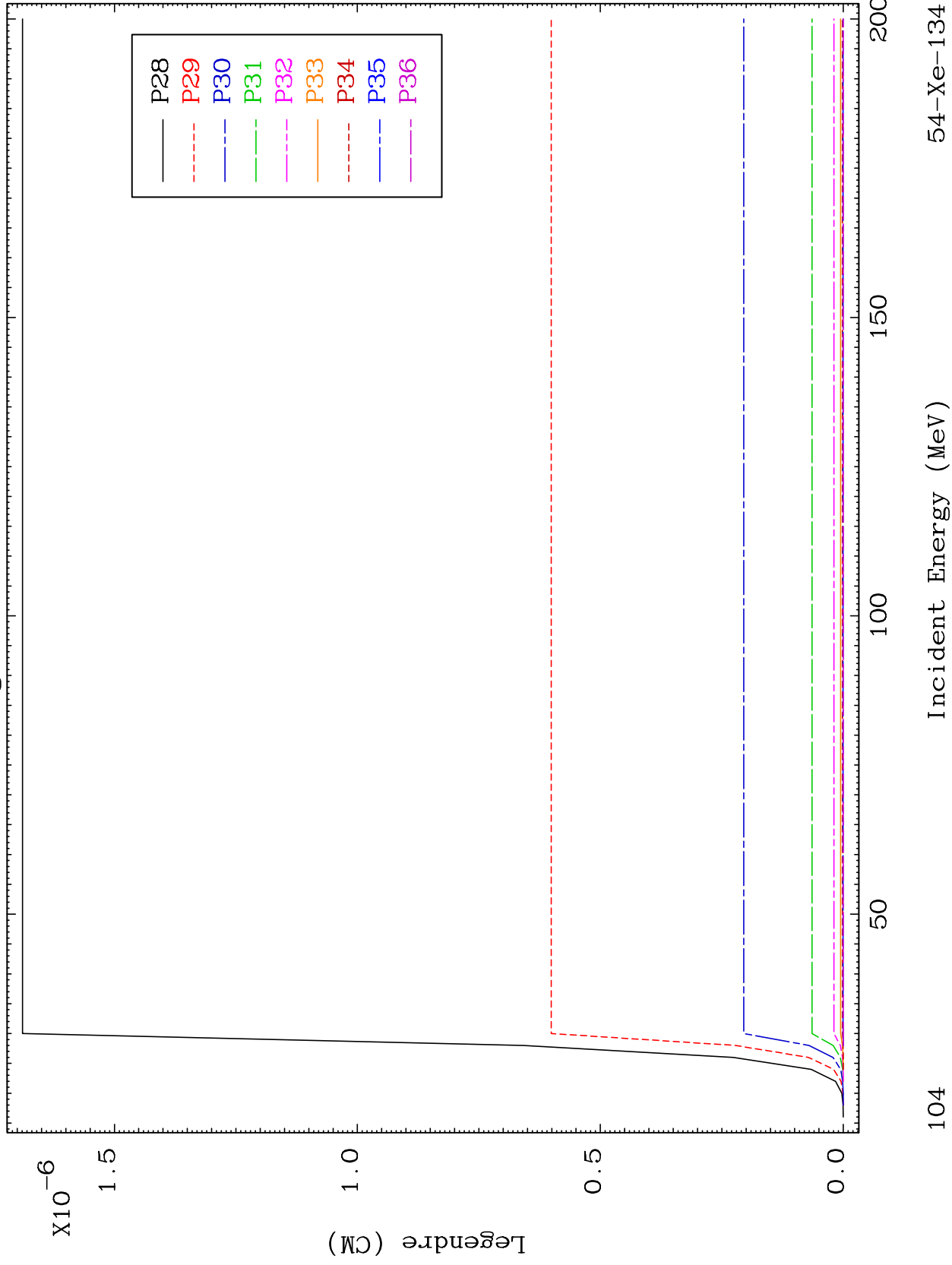
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



104

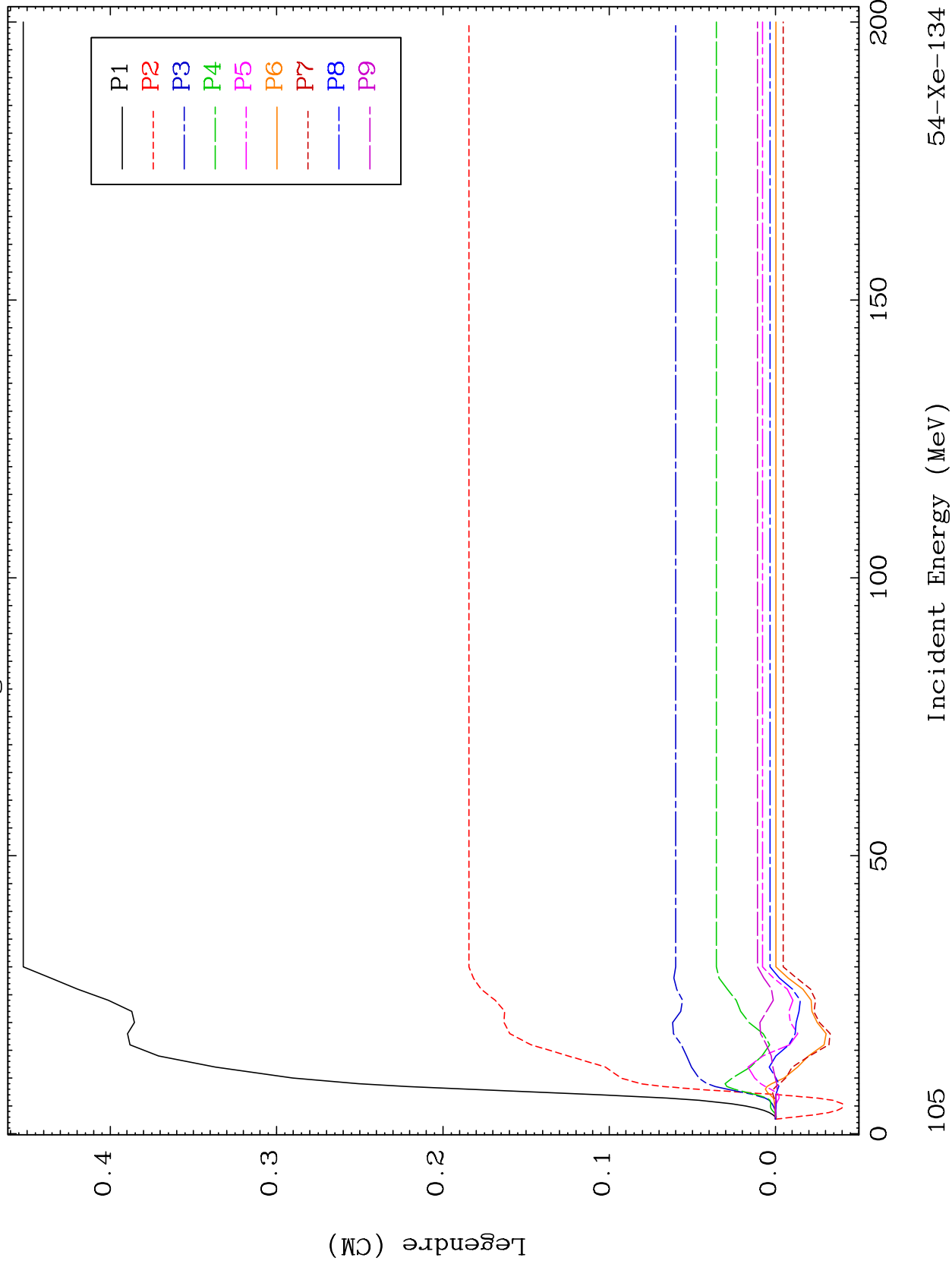
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



54-Xe-134

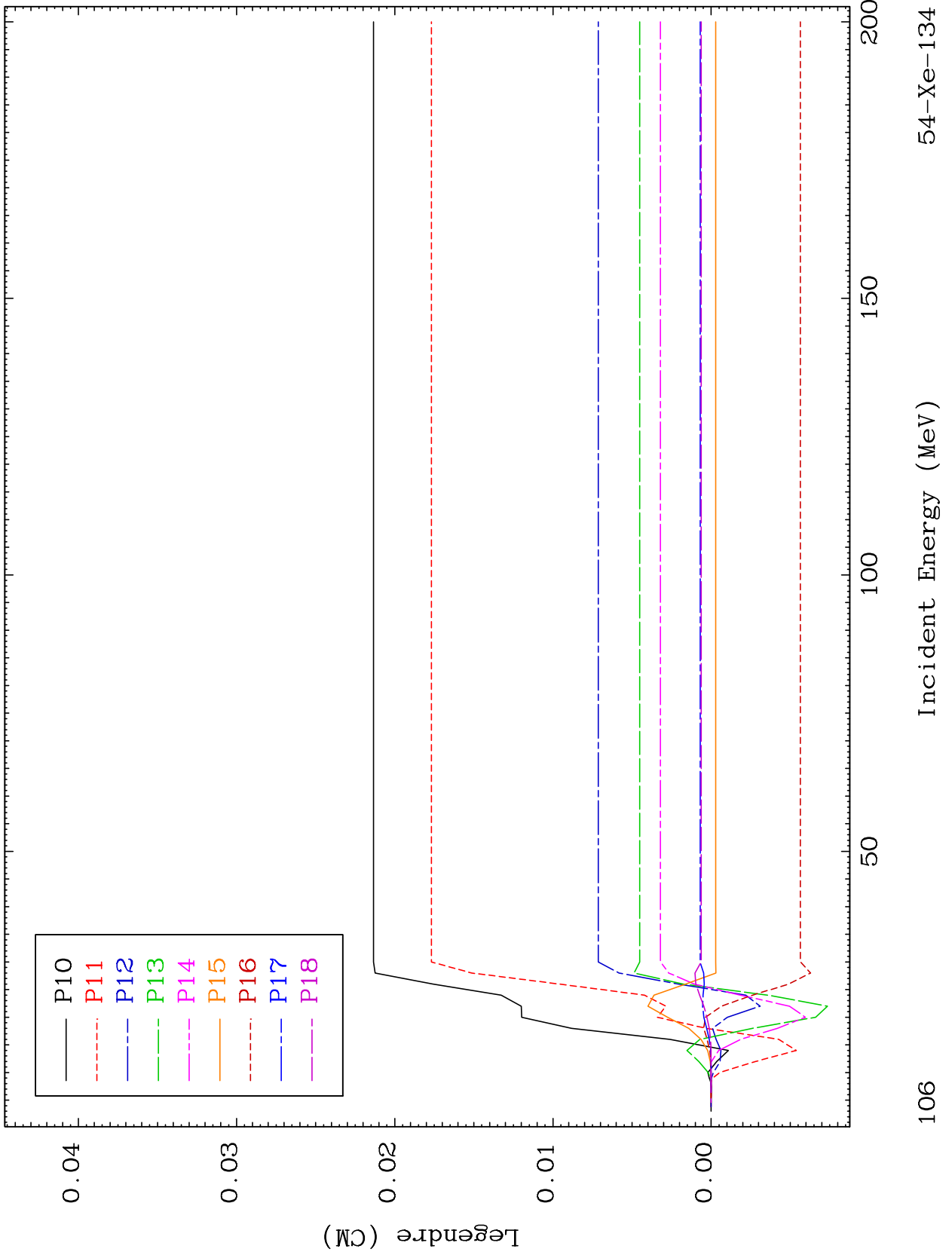
Incident Energy (MeV)

0

MAT 5455

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

54-Xe-134



106

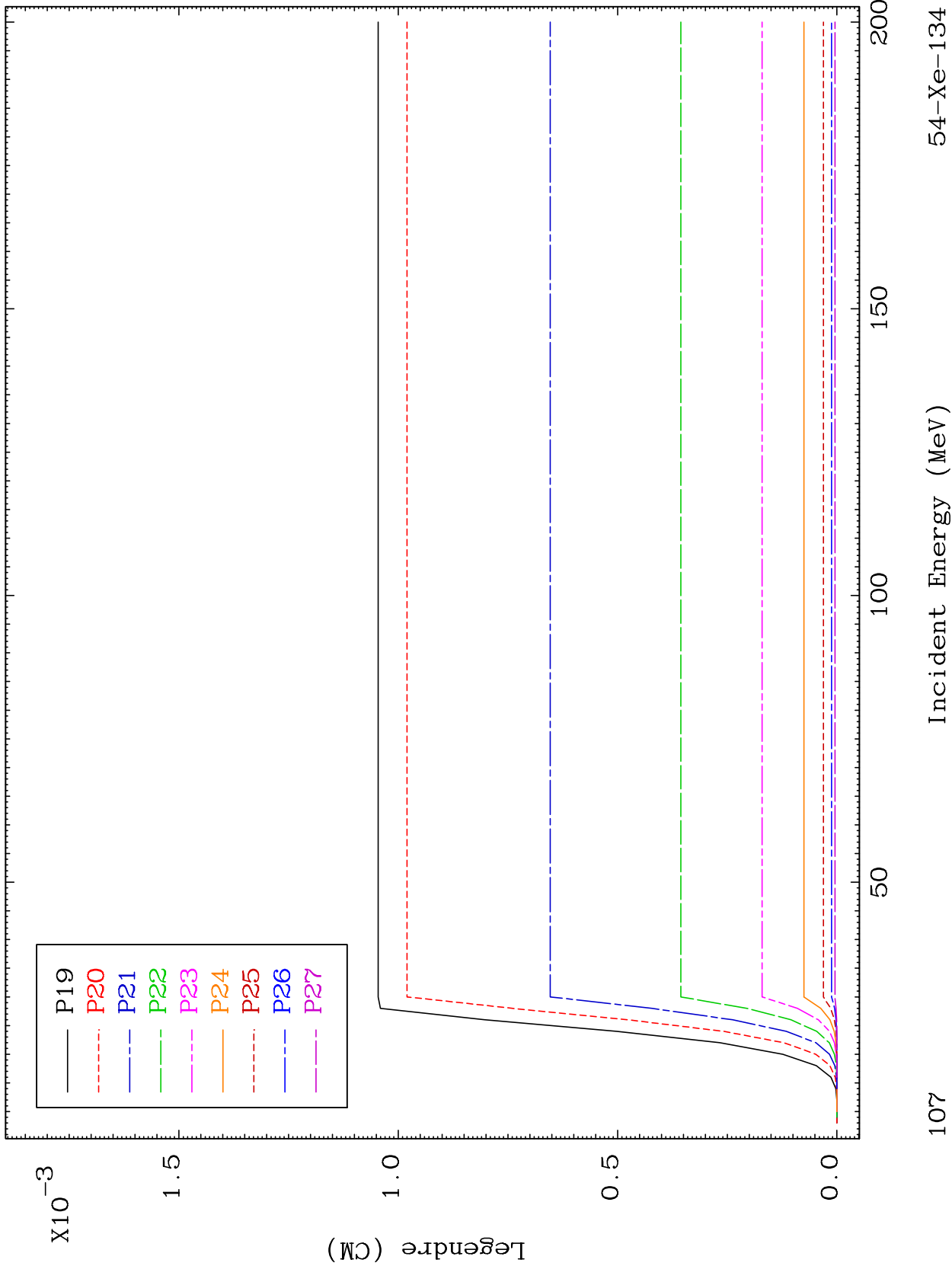
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

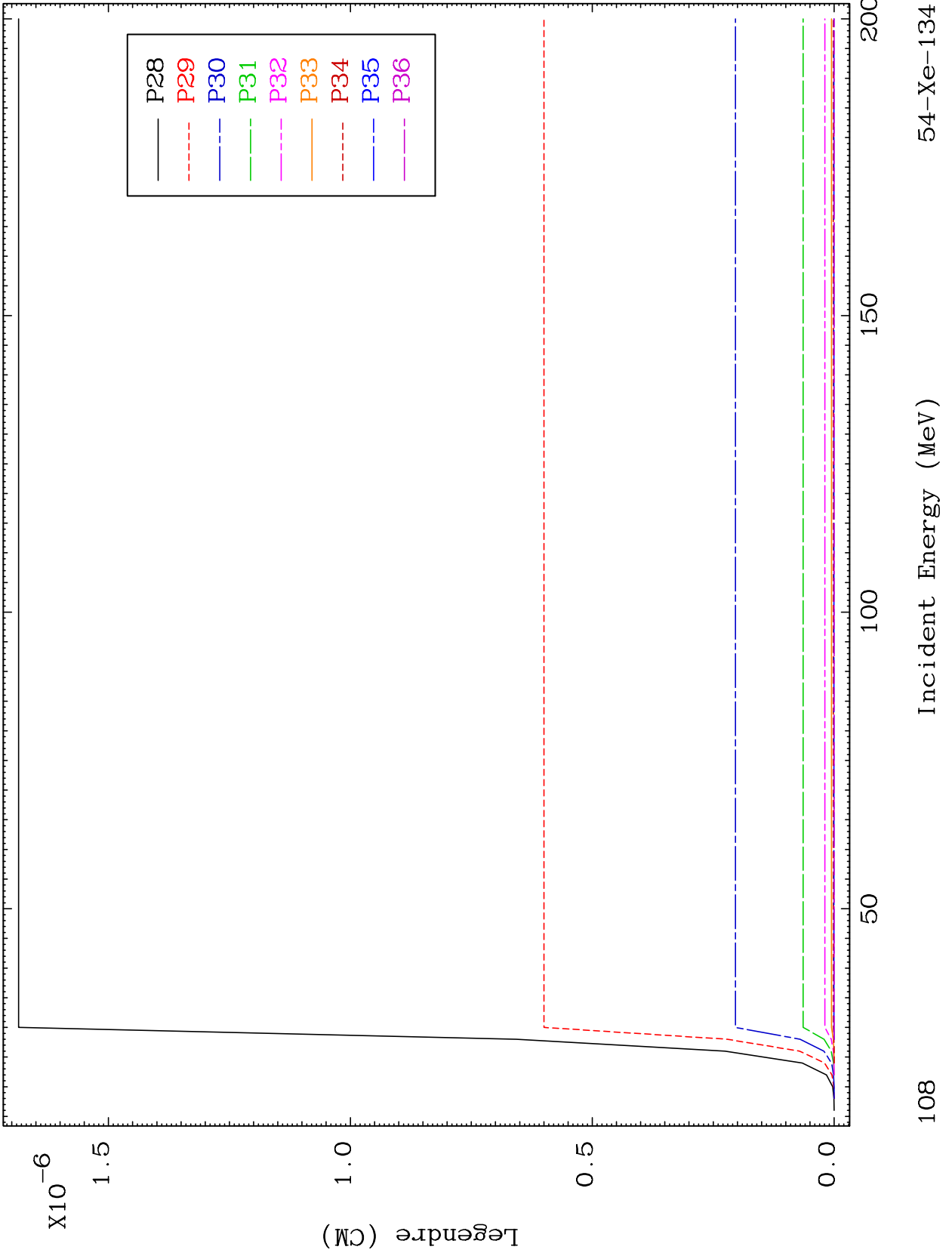
54-Xe-134



MAT 5455

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

54-Xe-134



108

Incident Energy (MeV)

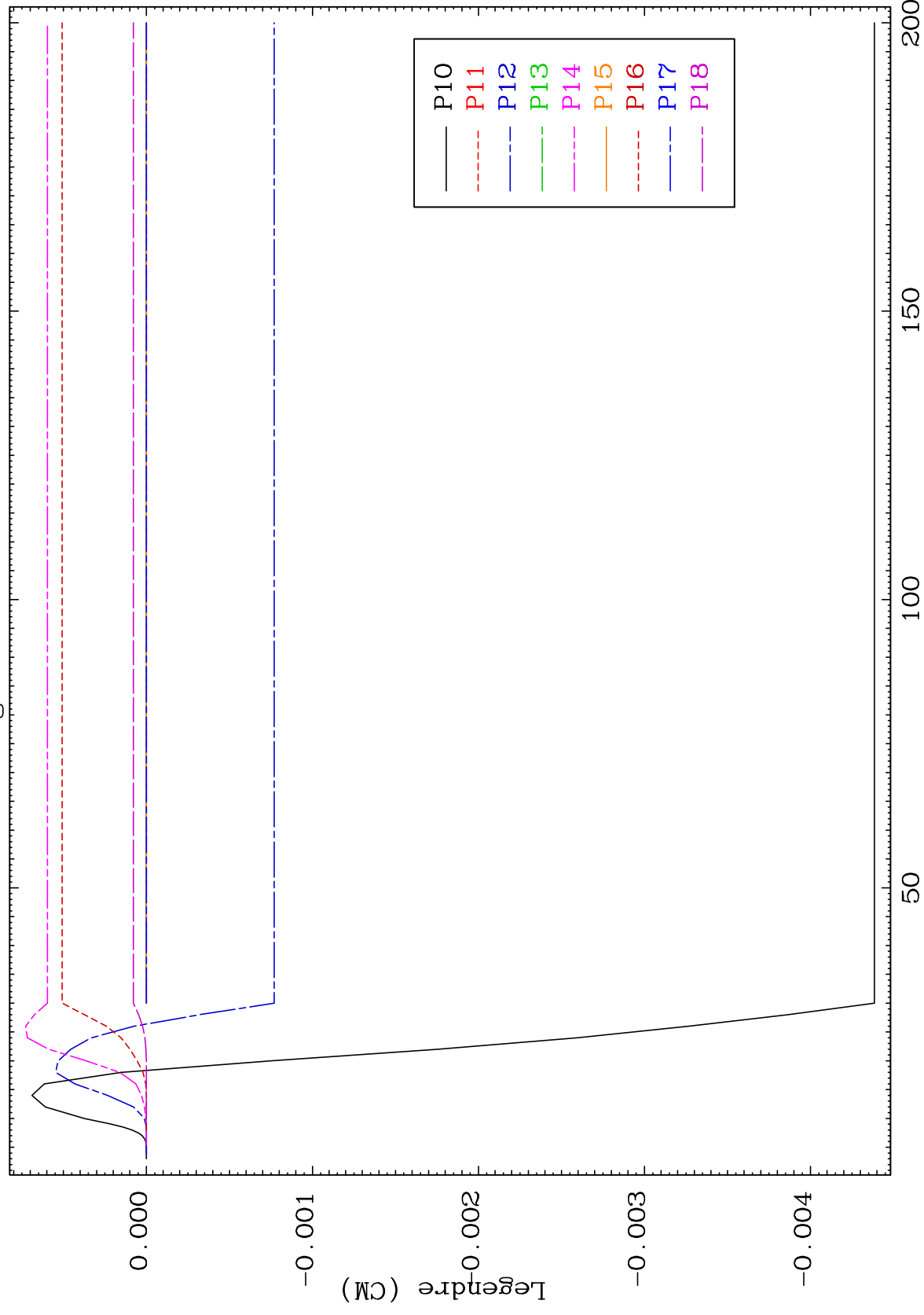
54-Xe-134



MAT 5455

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

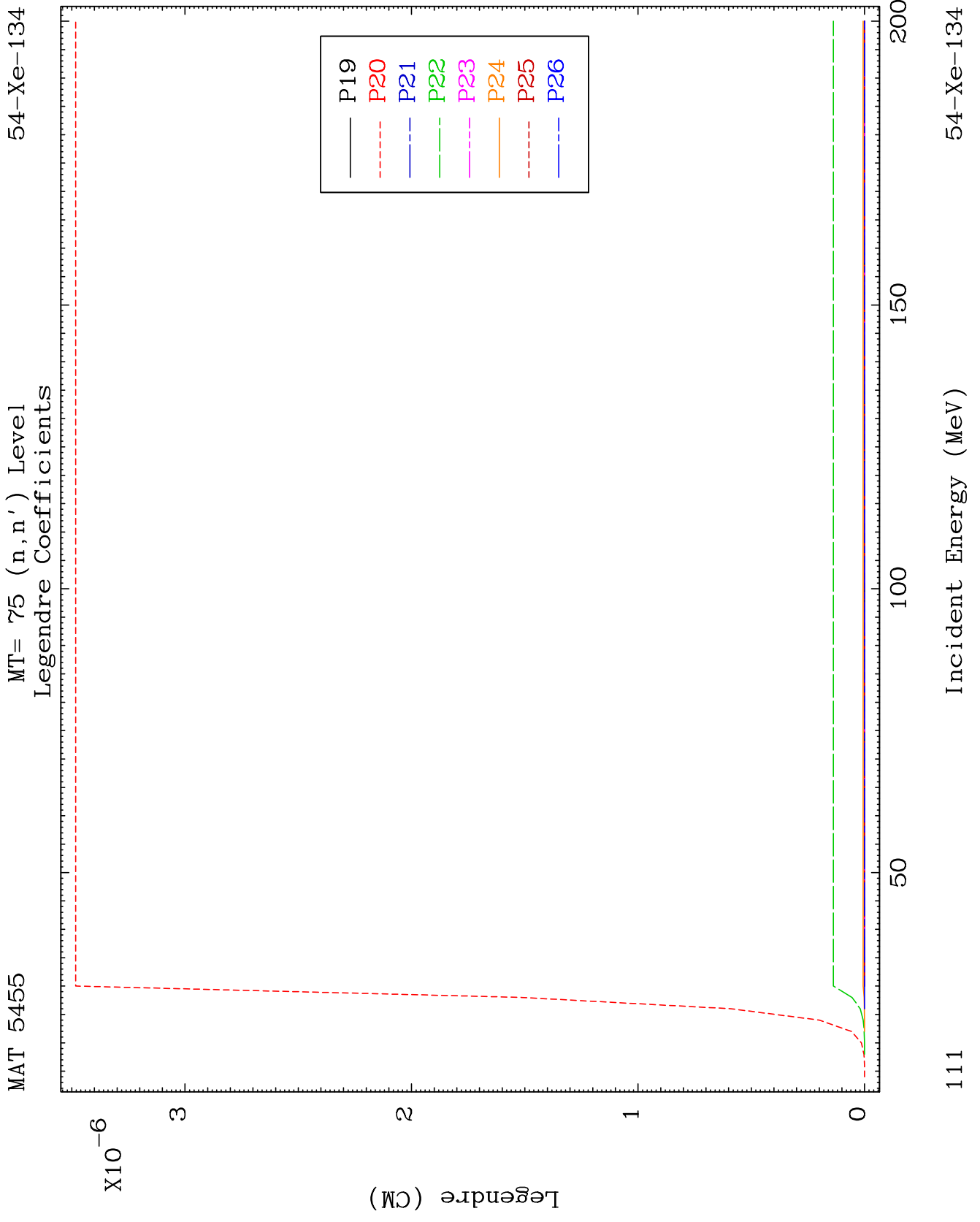
54-Xe-134

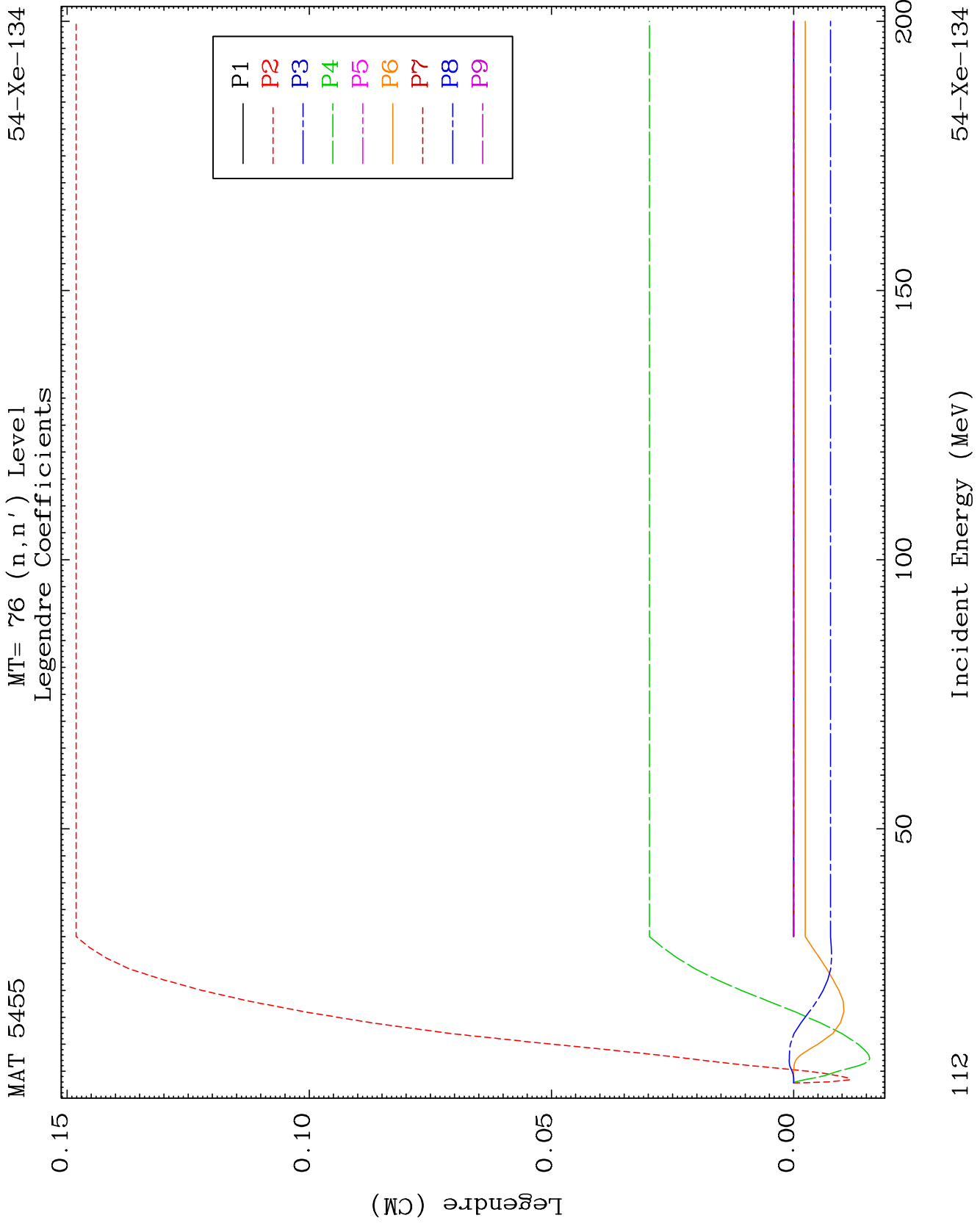


110

Incident Energy (MeV)

54-Xe-134

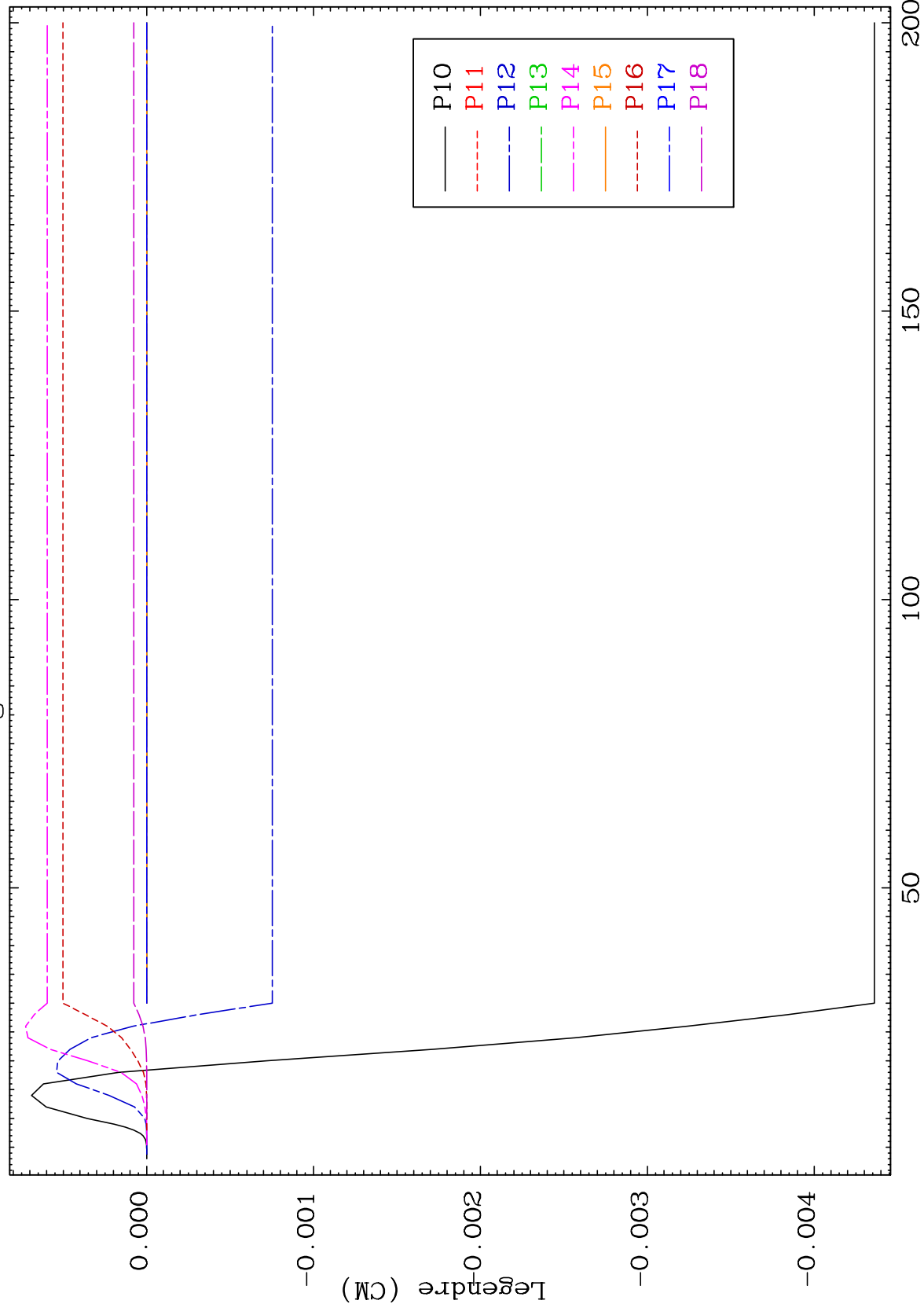




MAT 5455

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

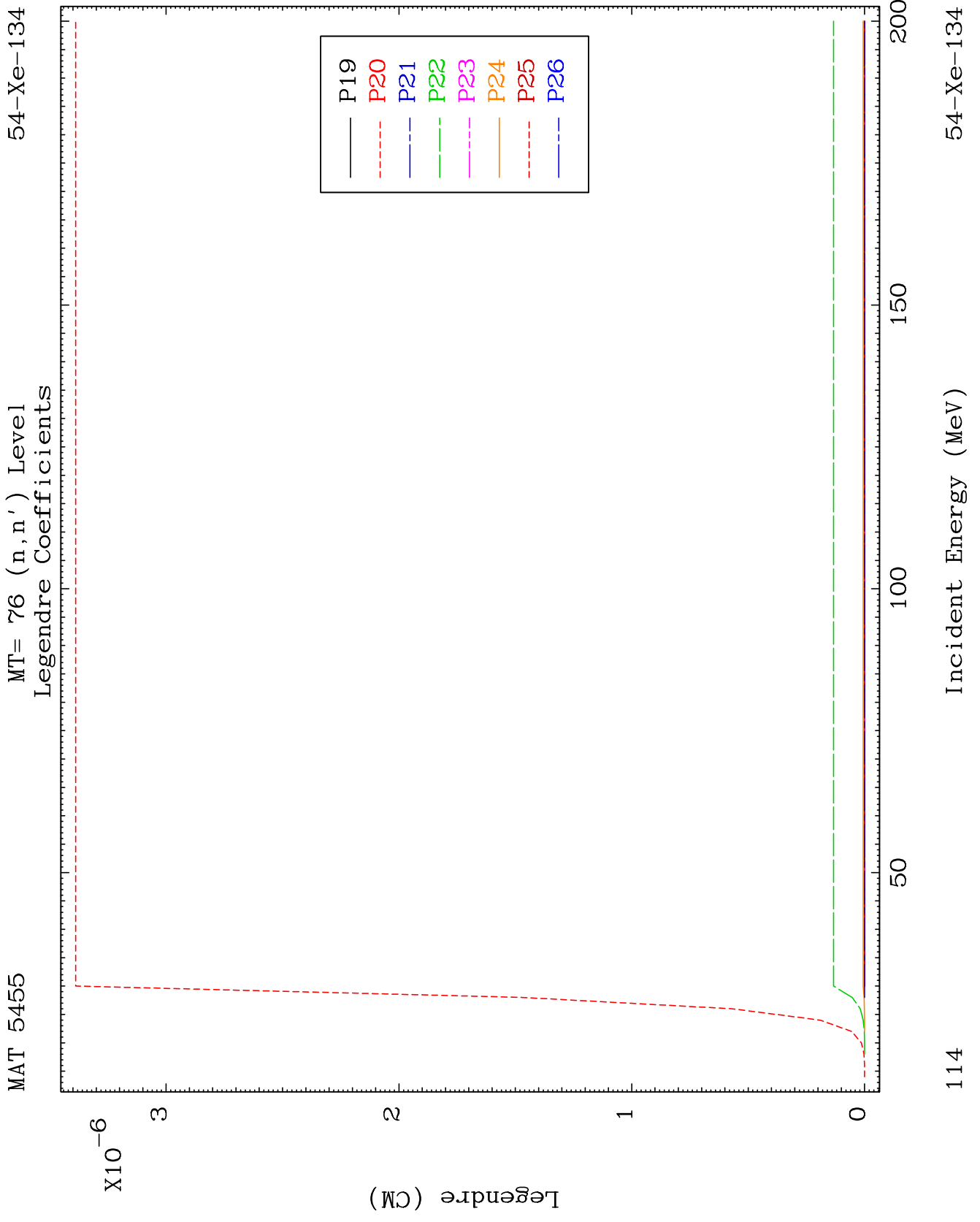
54-Xe-134



113

Incident Energy (MeV)

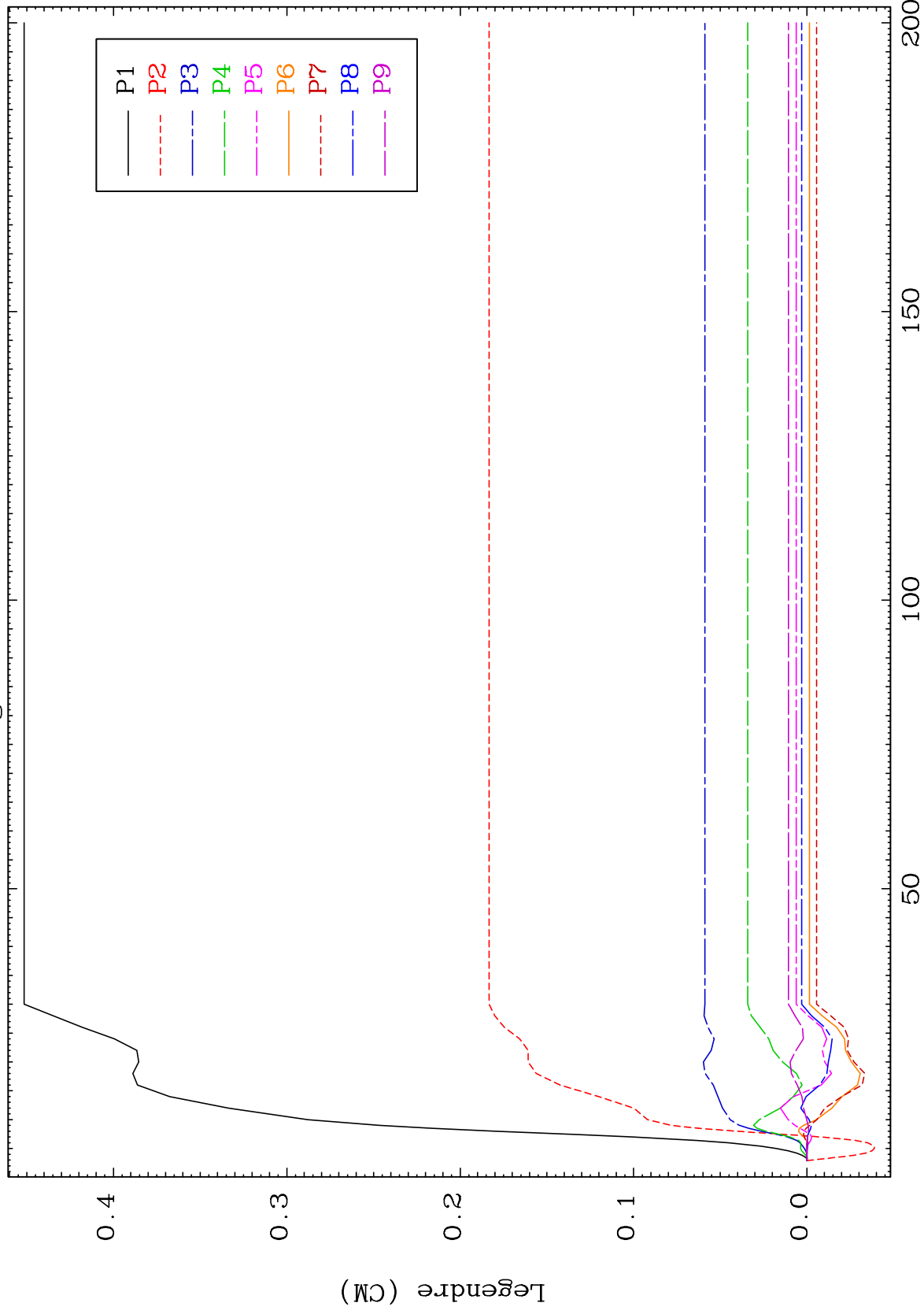
54-Xe-134



MAT 5455

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

54-Xe-134



115

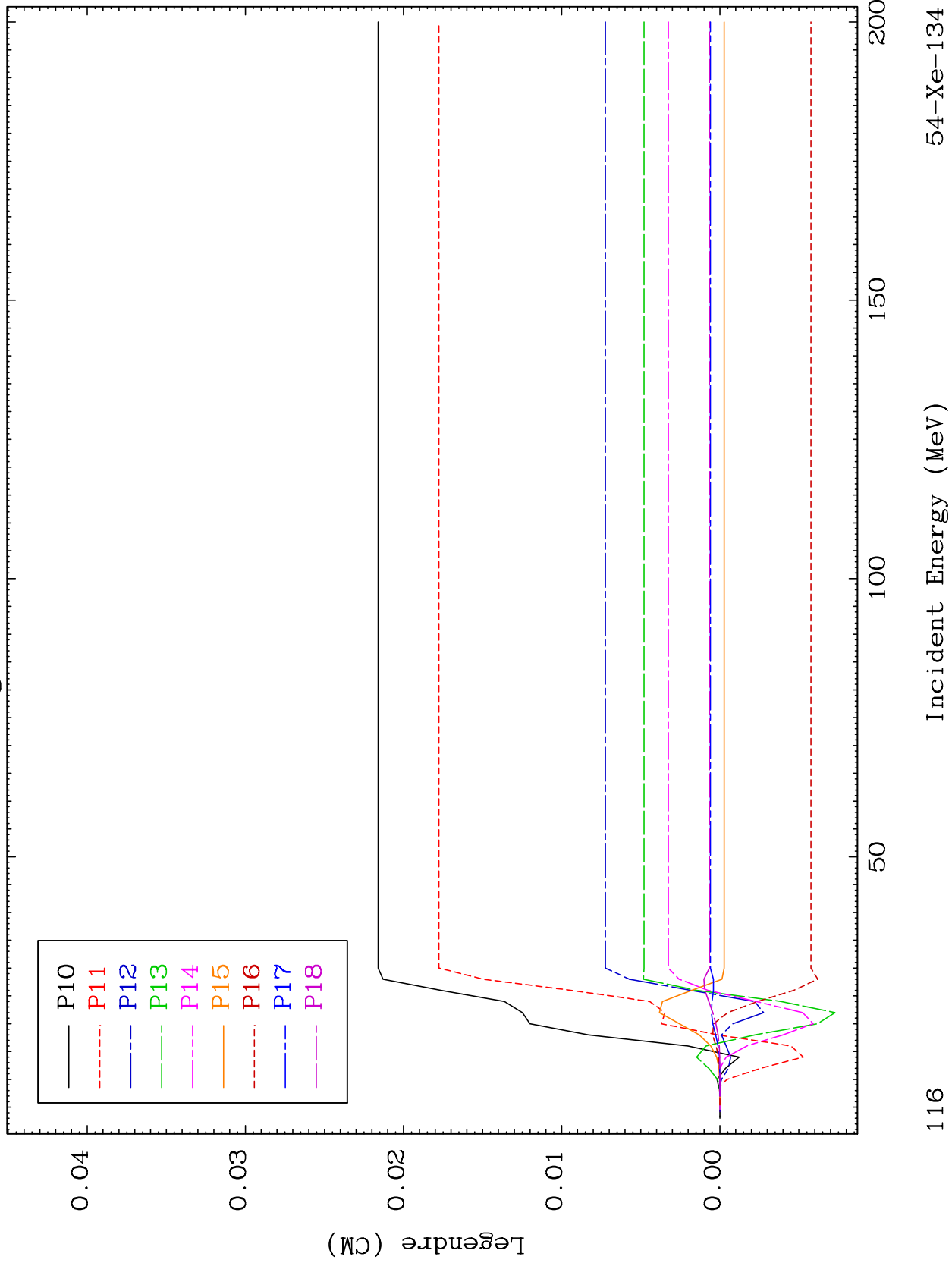
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

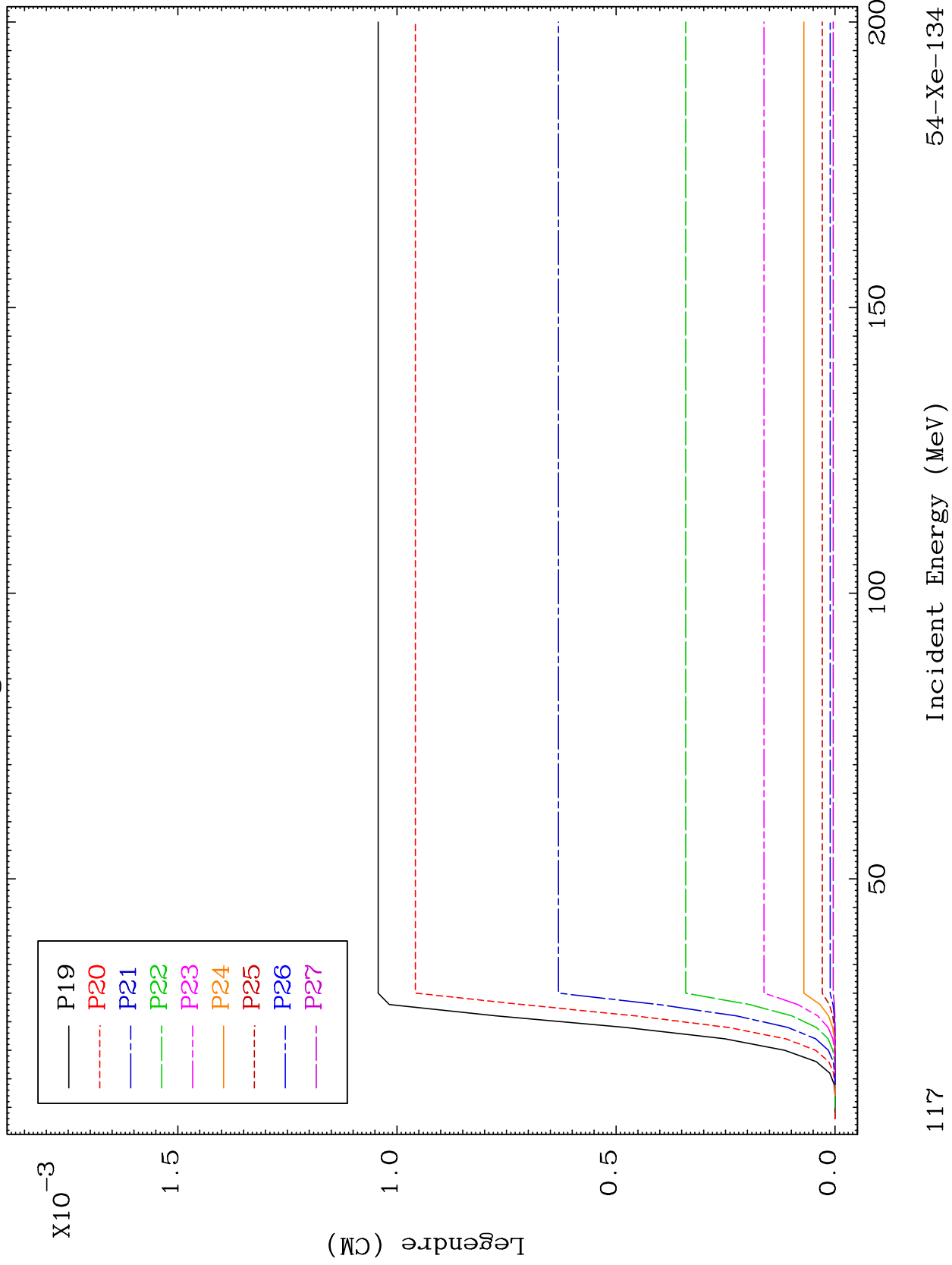
54-Xe-134



MAT 5455

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

54-Xe-134

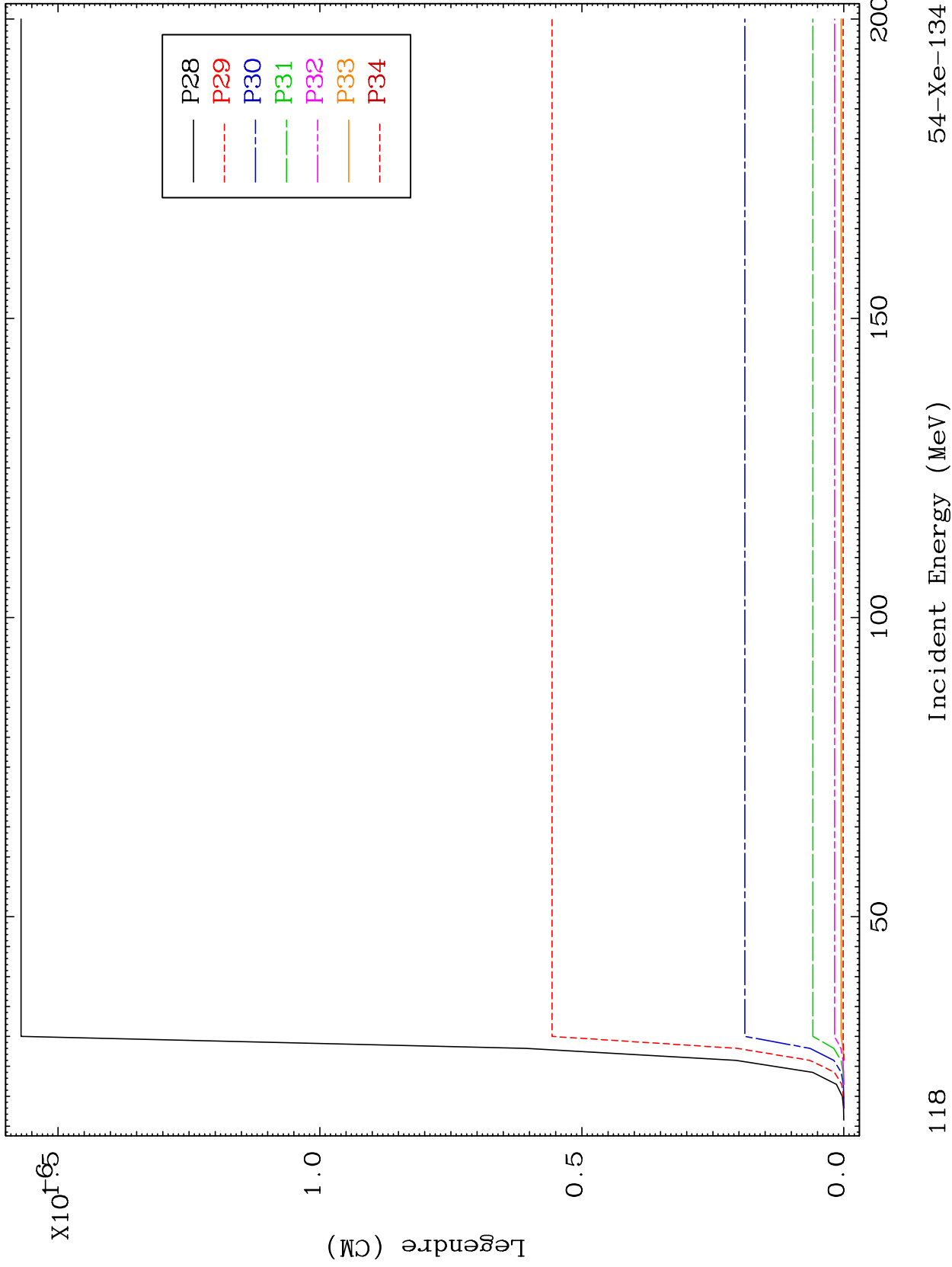


117

MAT 5455

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

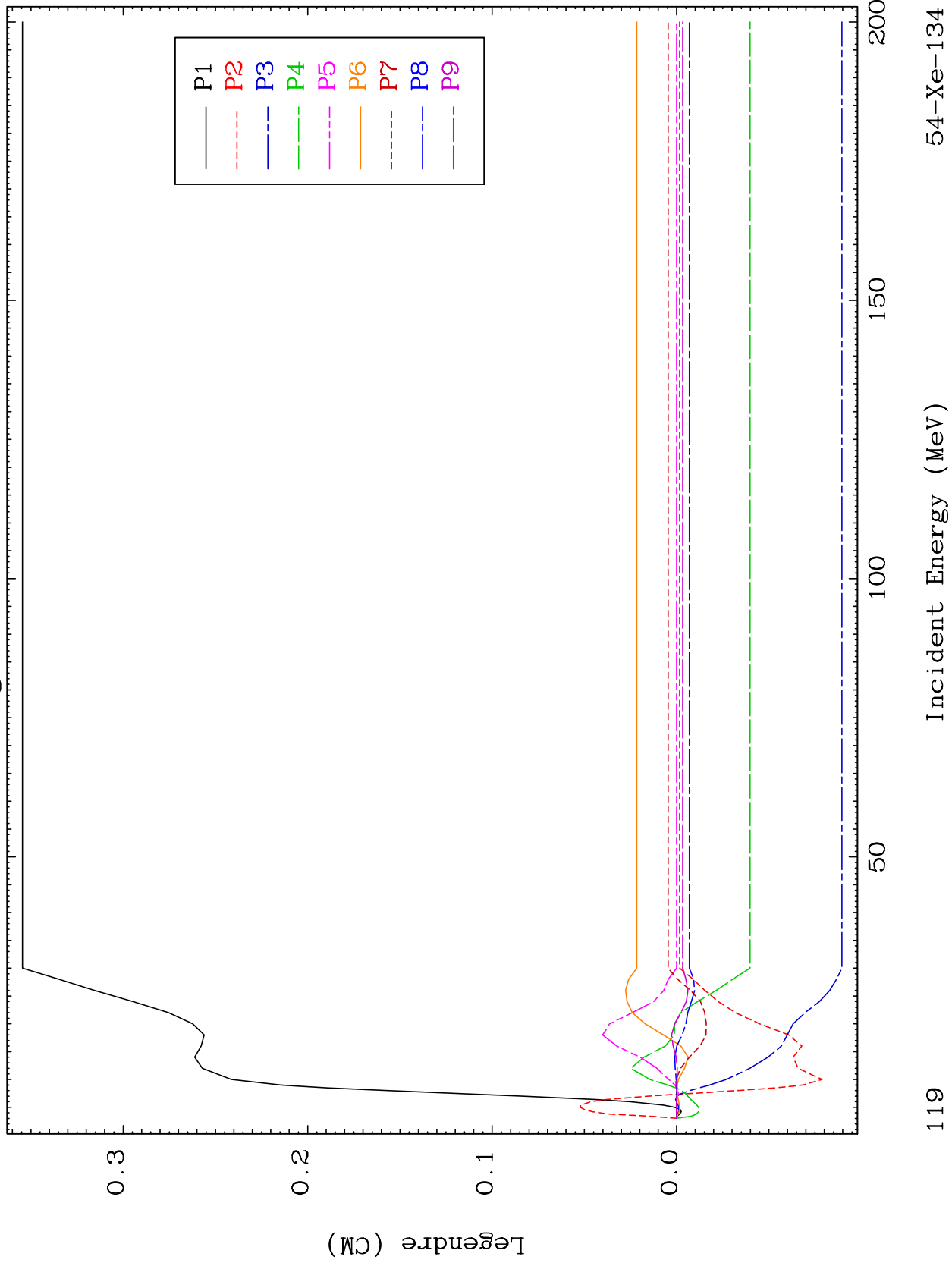
54-Xe-134



MAT 5455

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

54-Xe-134



119

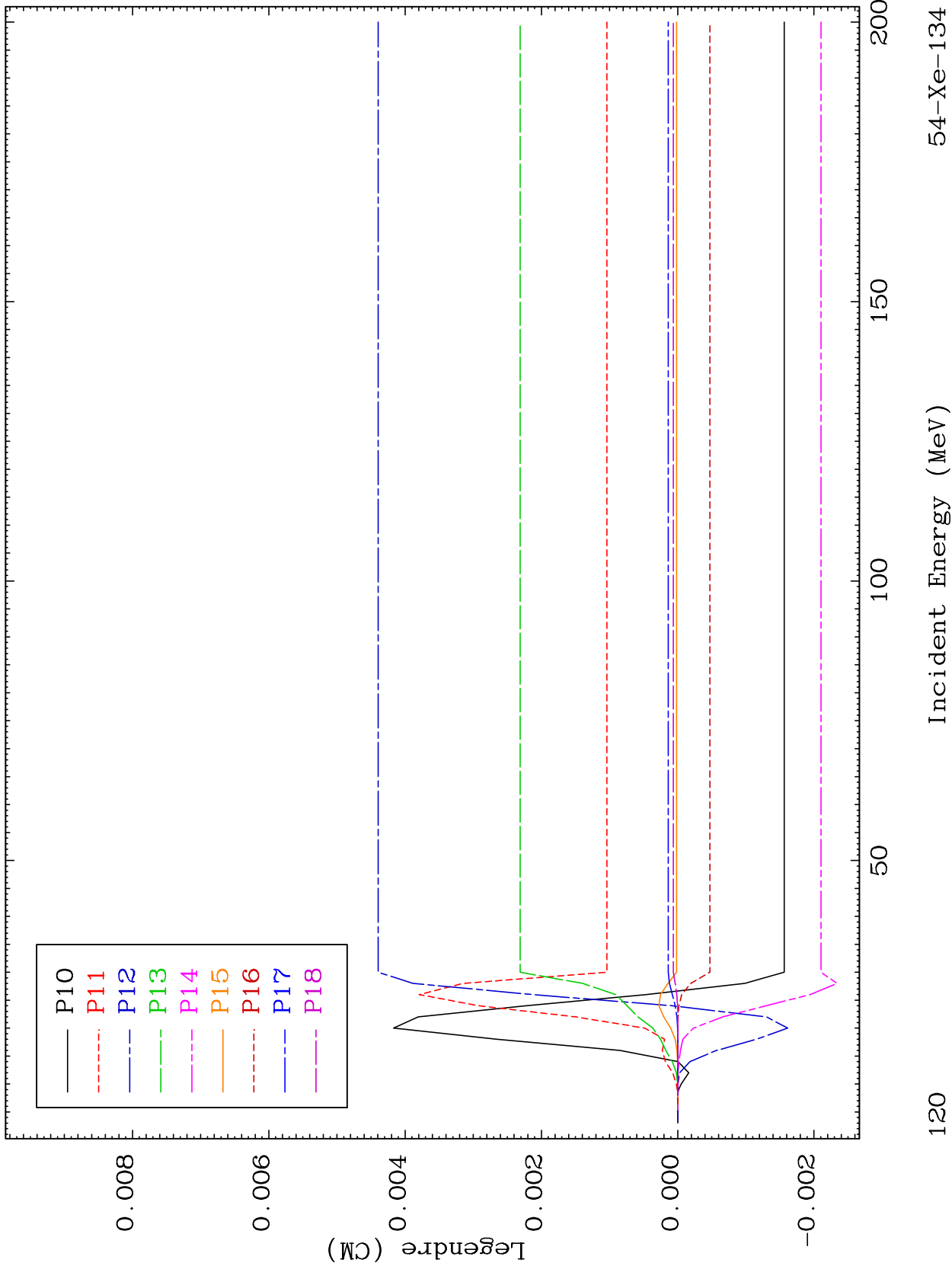
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



120

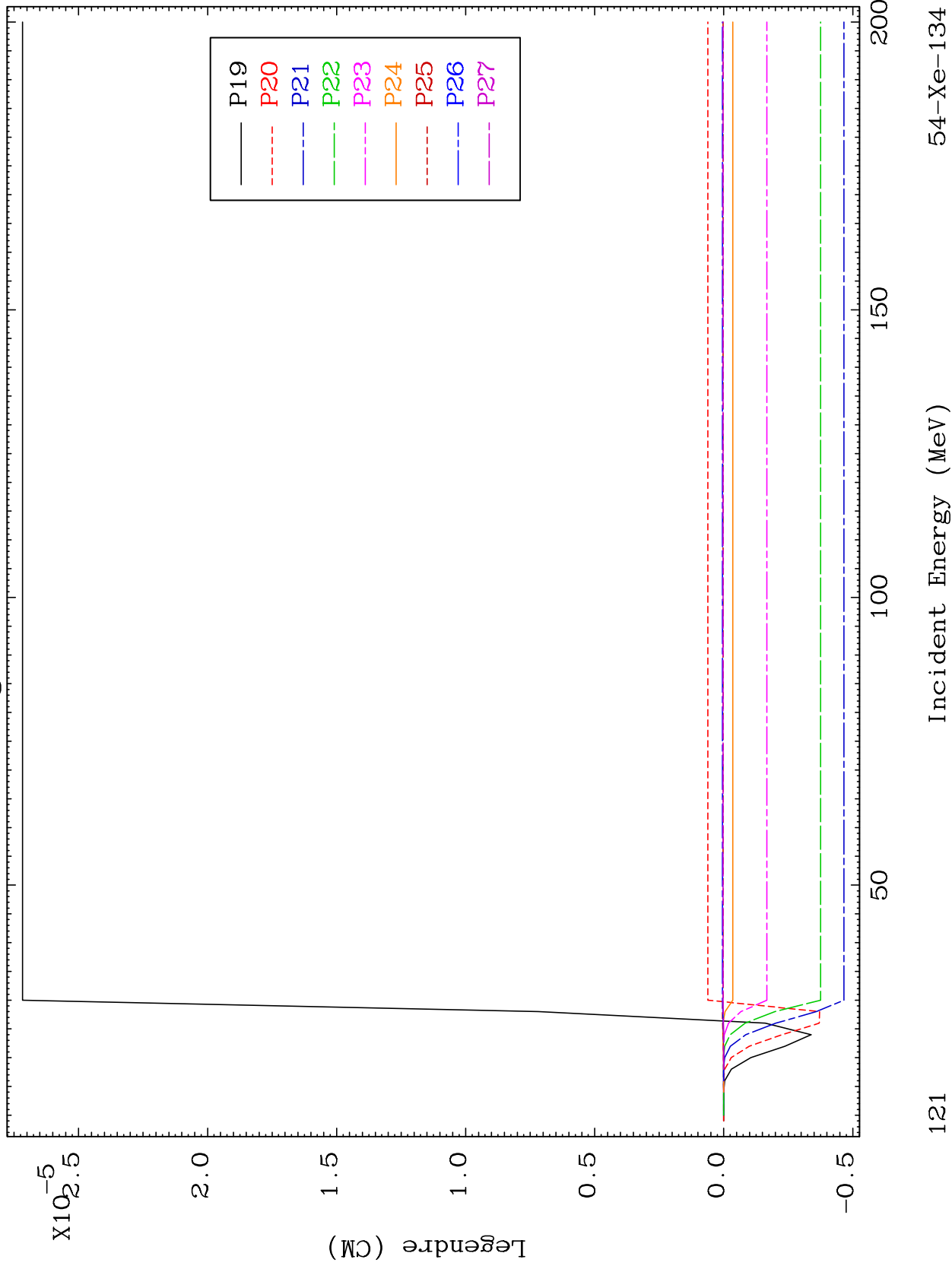
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



121

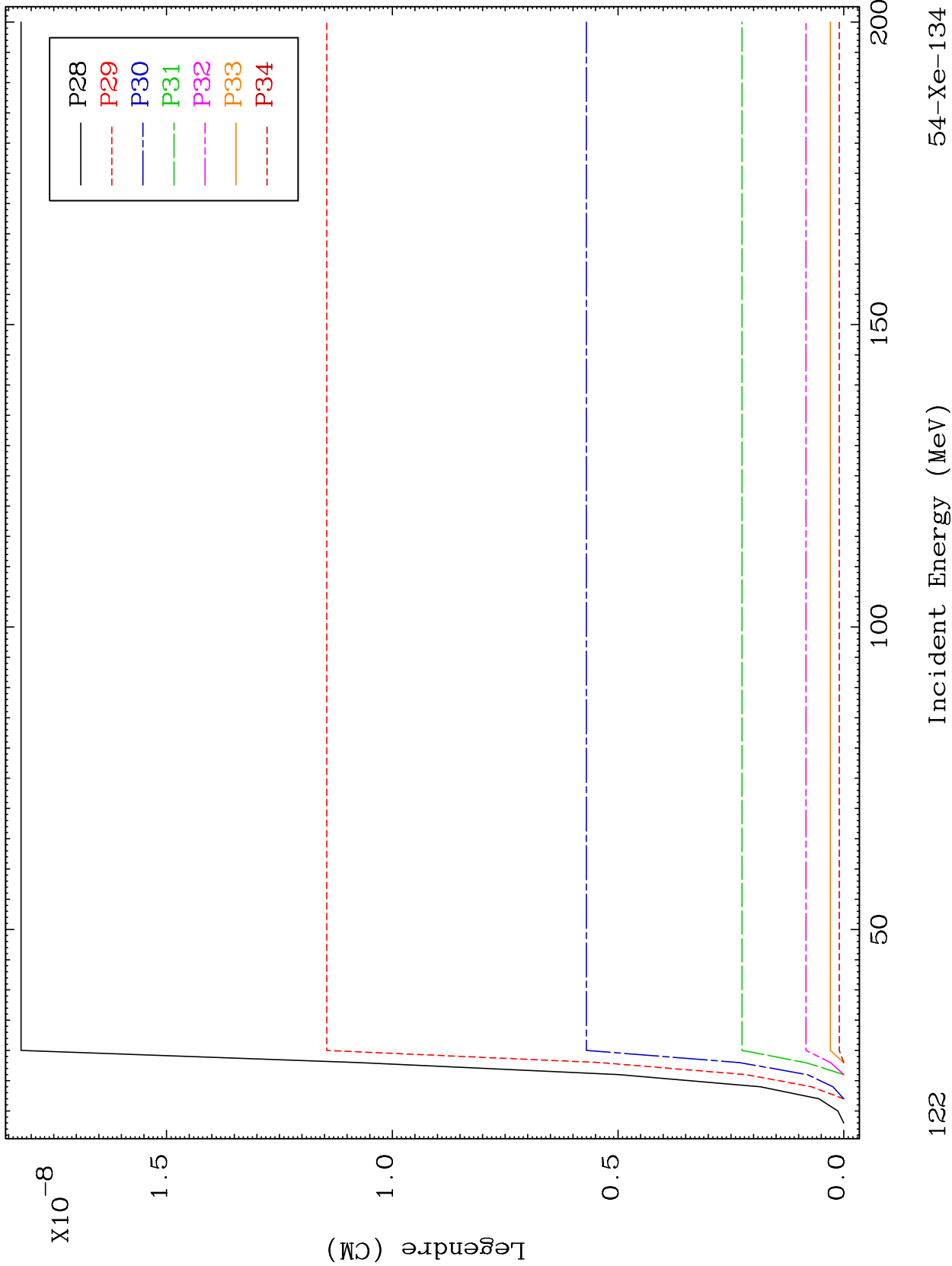
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



122

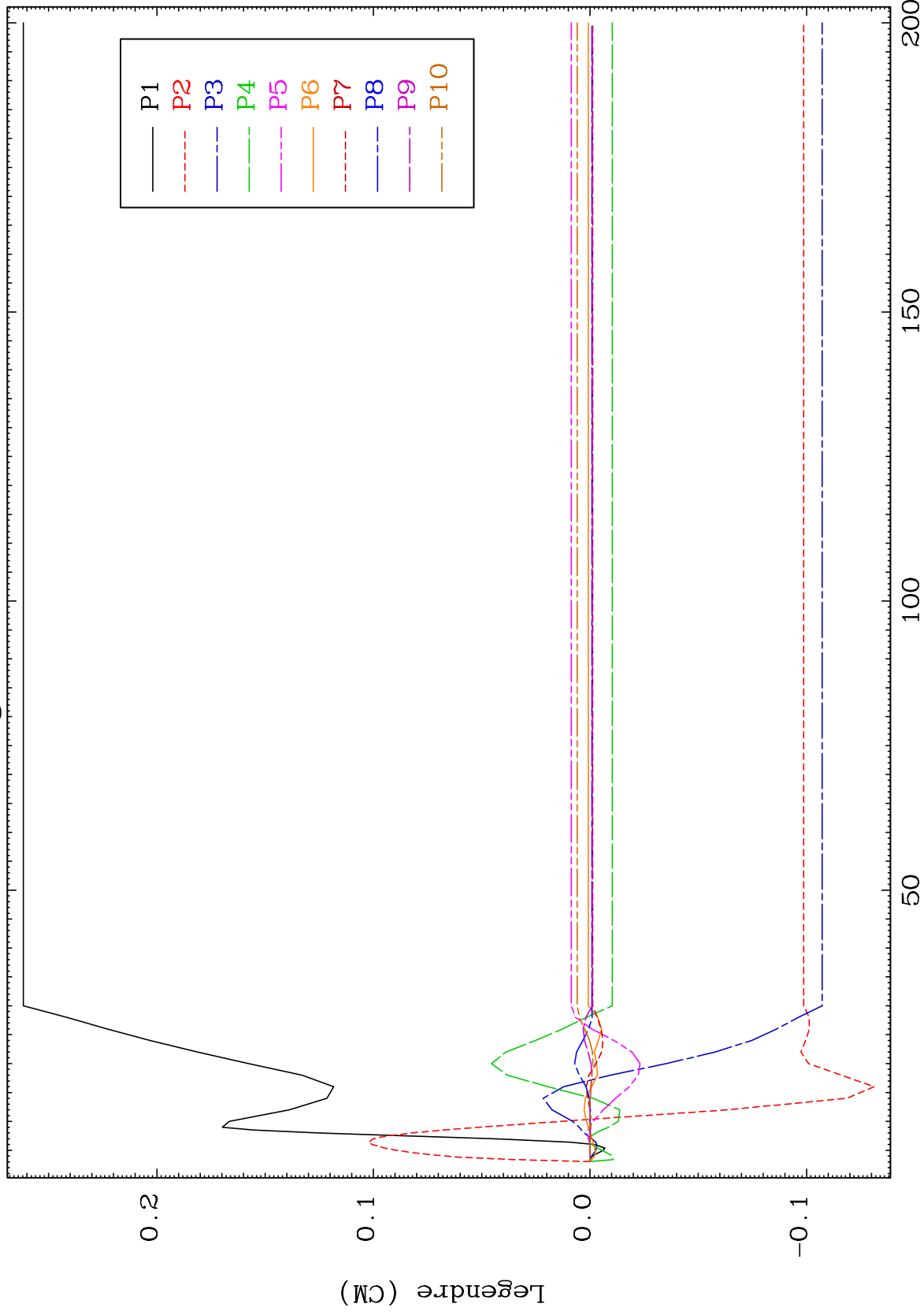
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



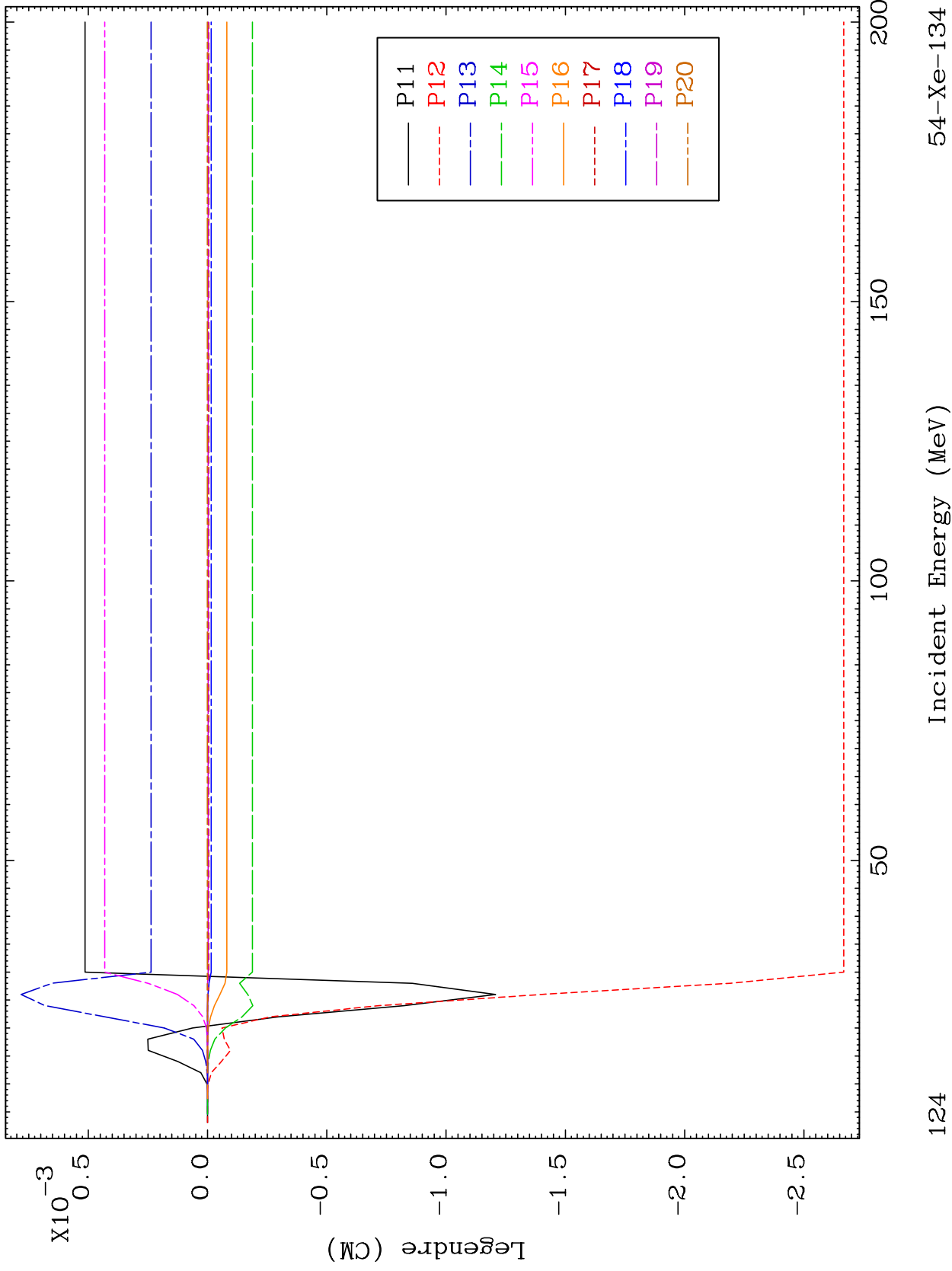
123

54-Xe-134

MAT 5455

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

54-Xe-134

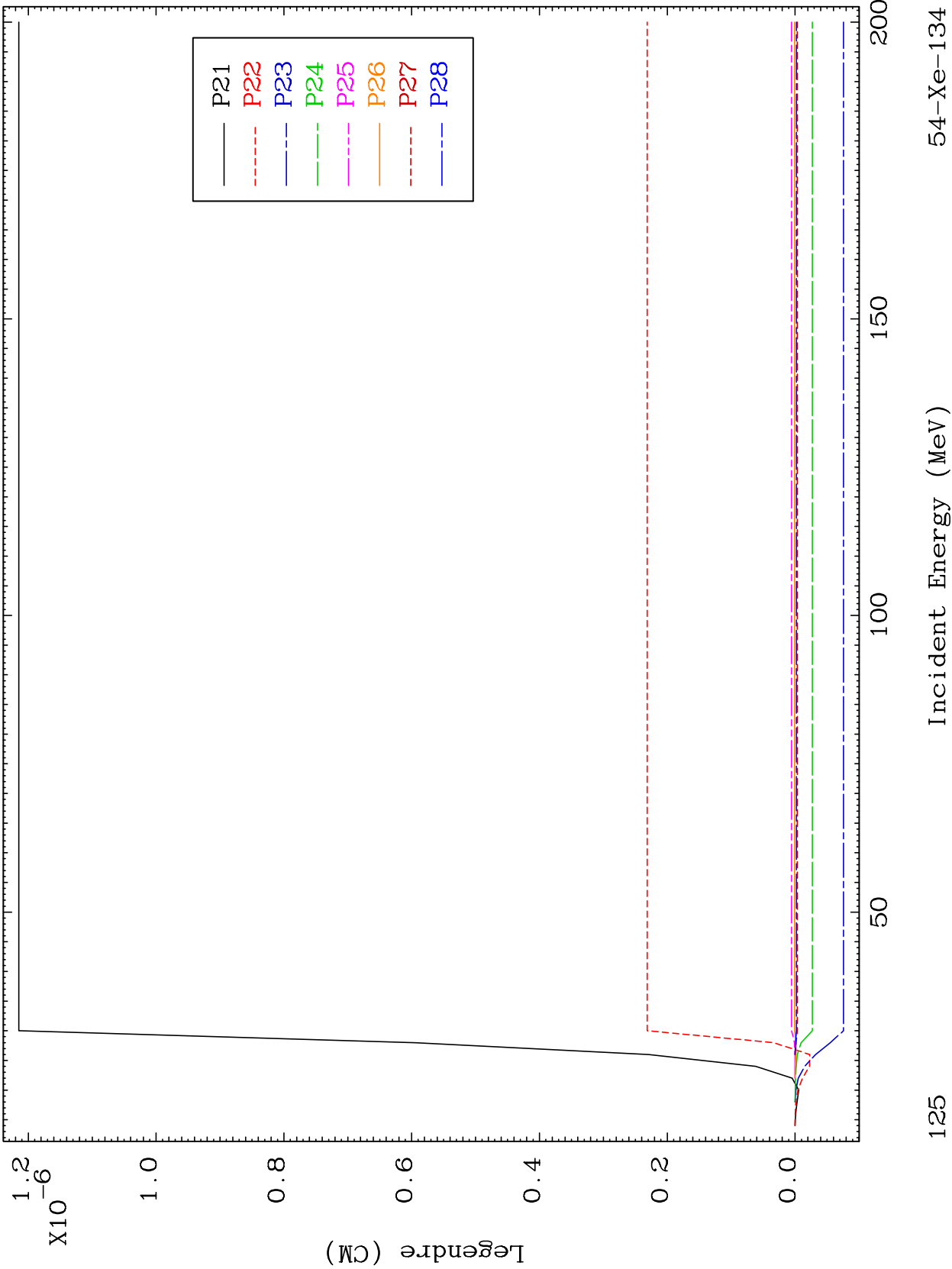


124

MAT 5455

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

54-Xe-134



125

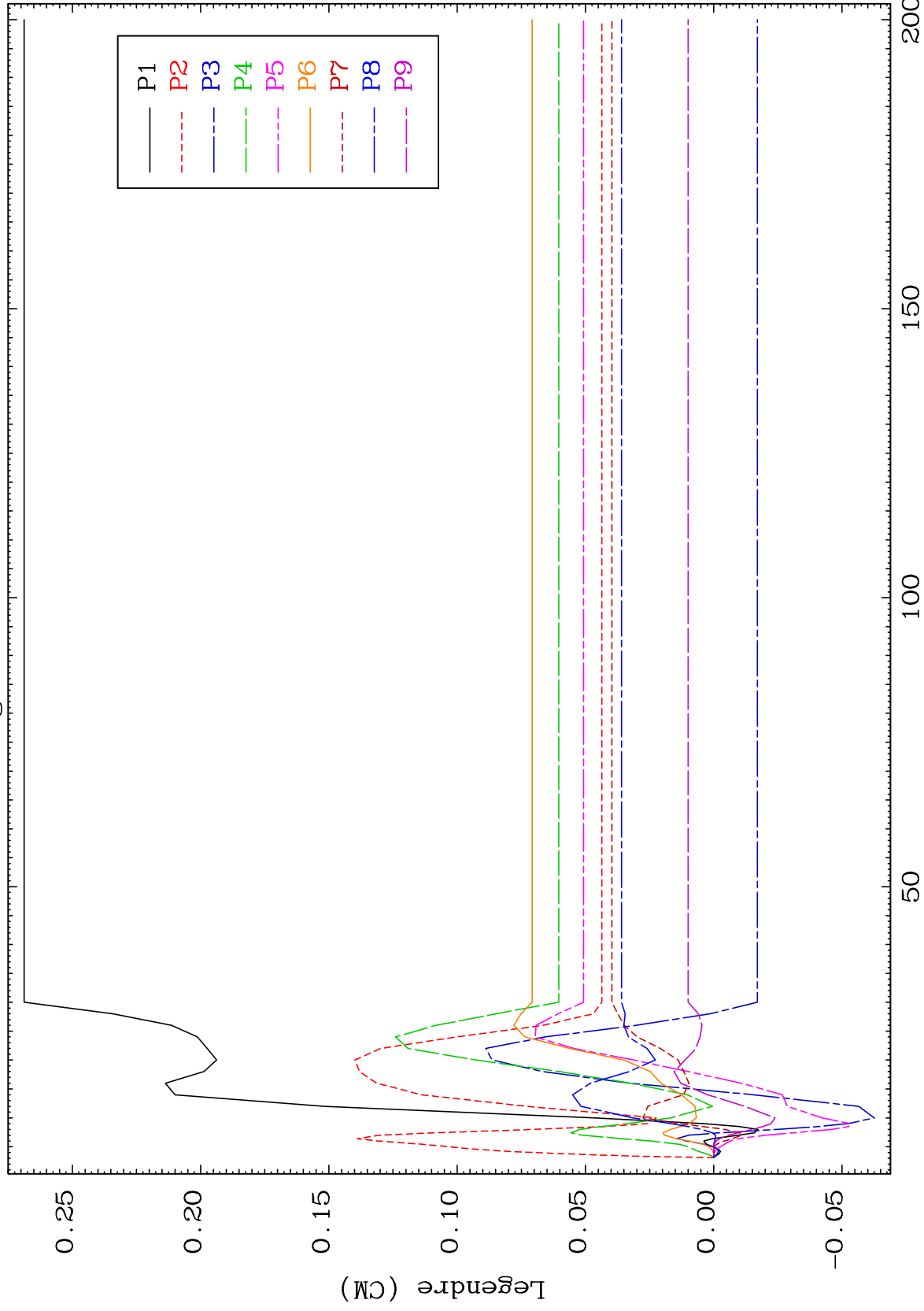
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

54-Xe-134



126

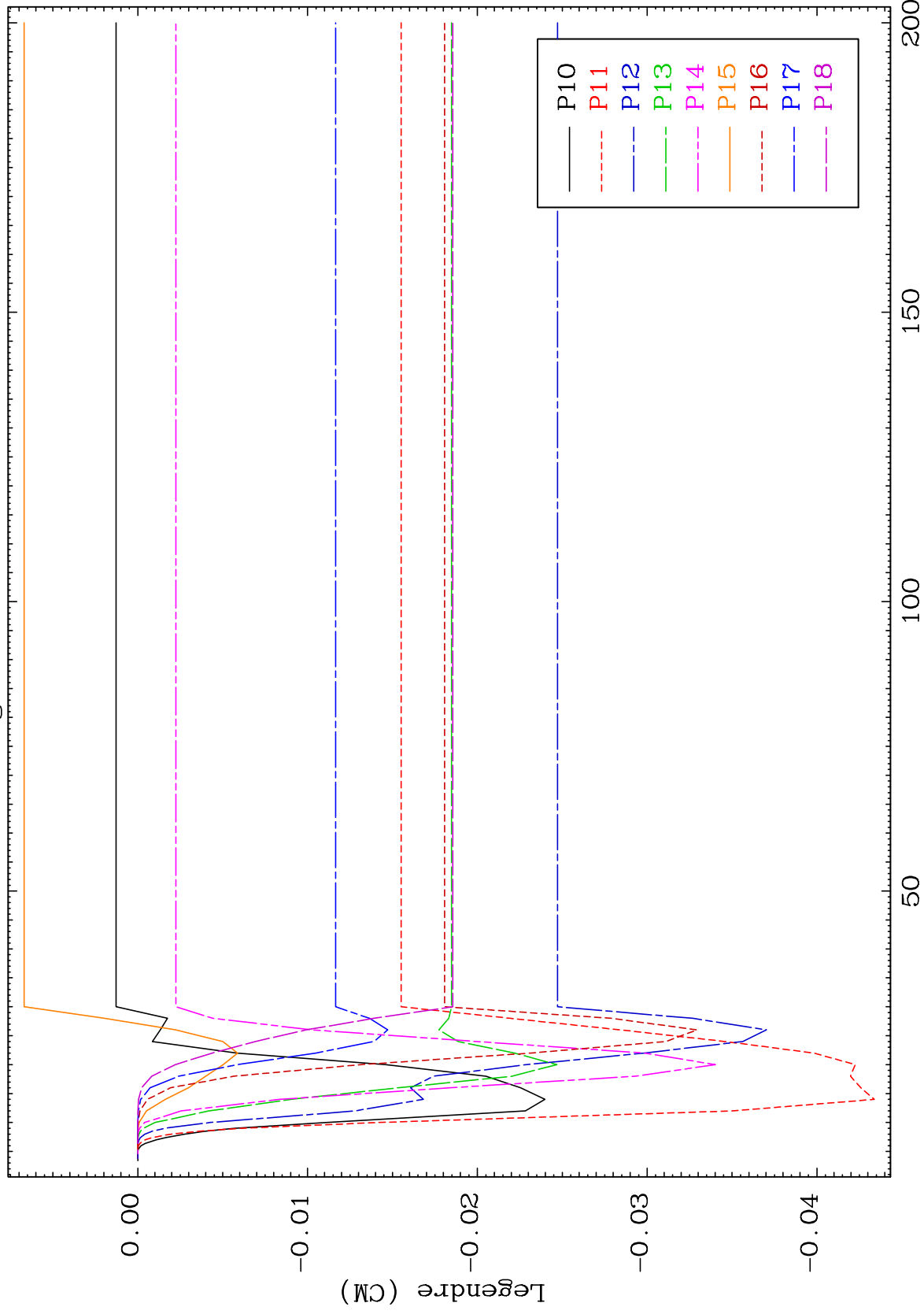
Incident Energy (MeV)

54-Xe-134

MAT 5455

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

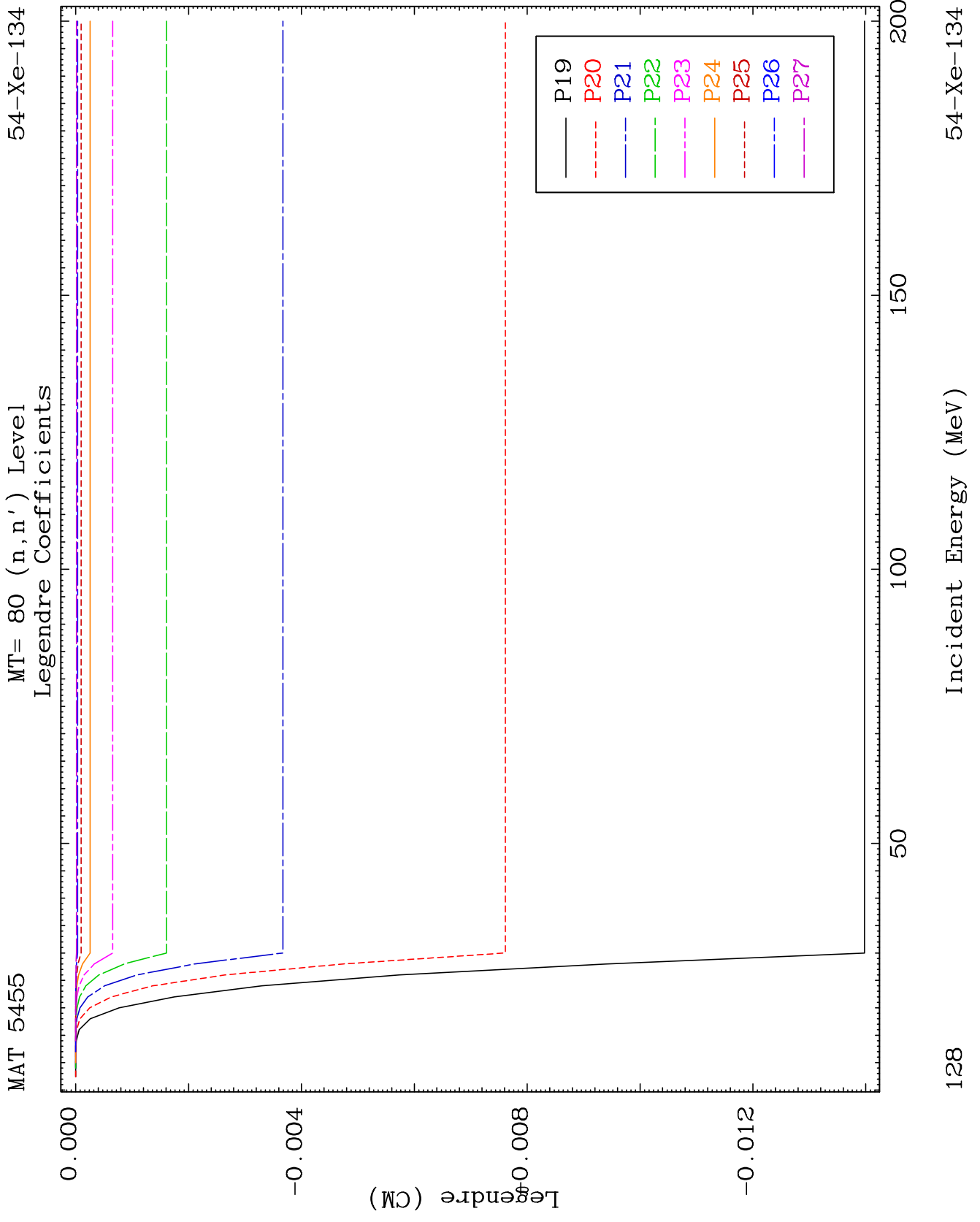
54-Xe-134

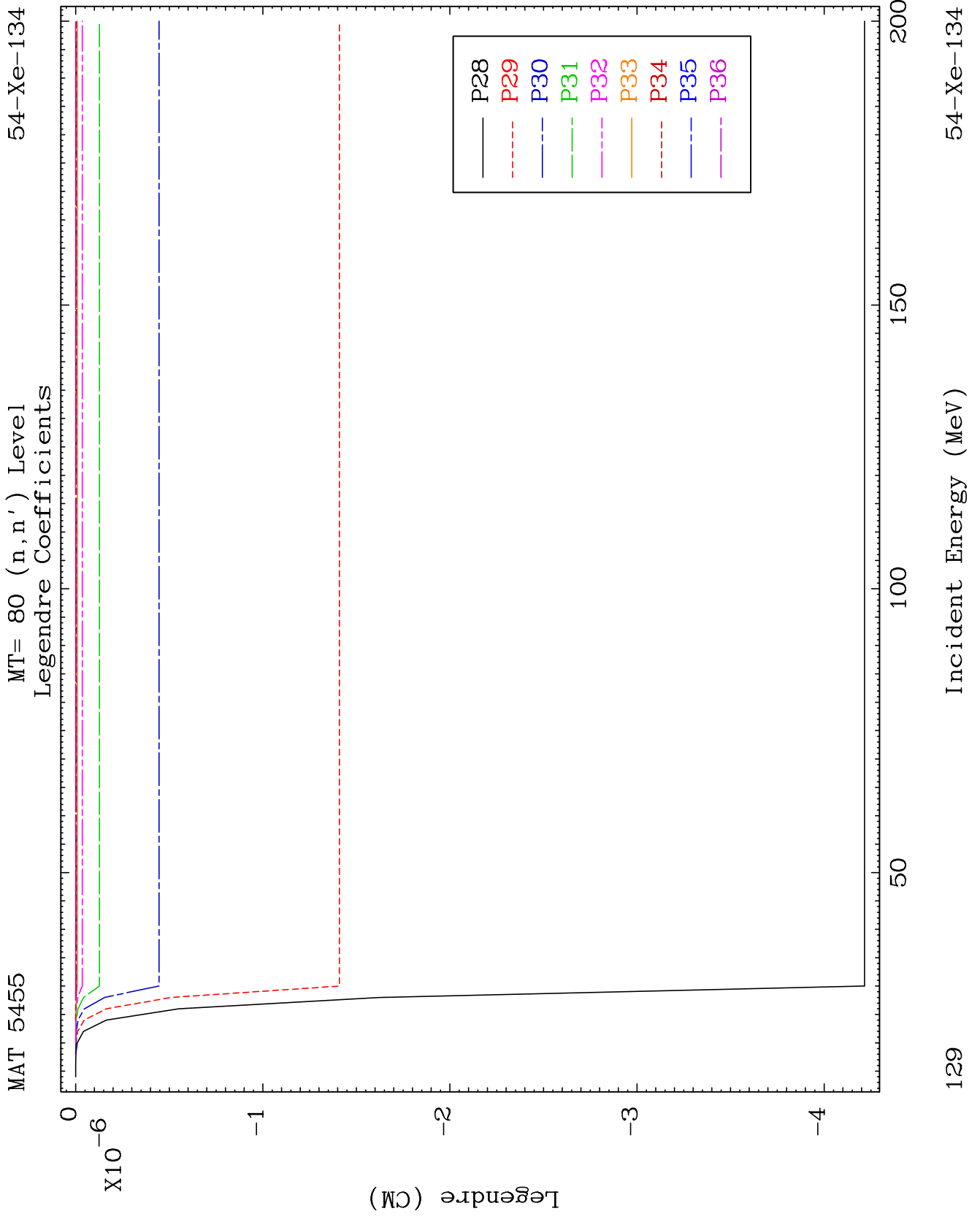


127

Incident Energy (MeV)

54-Xe-134

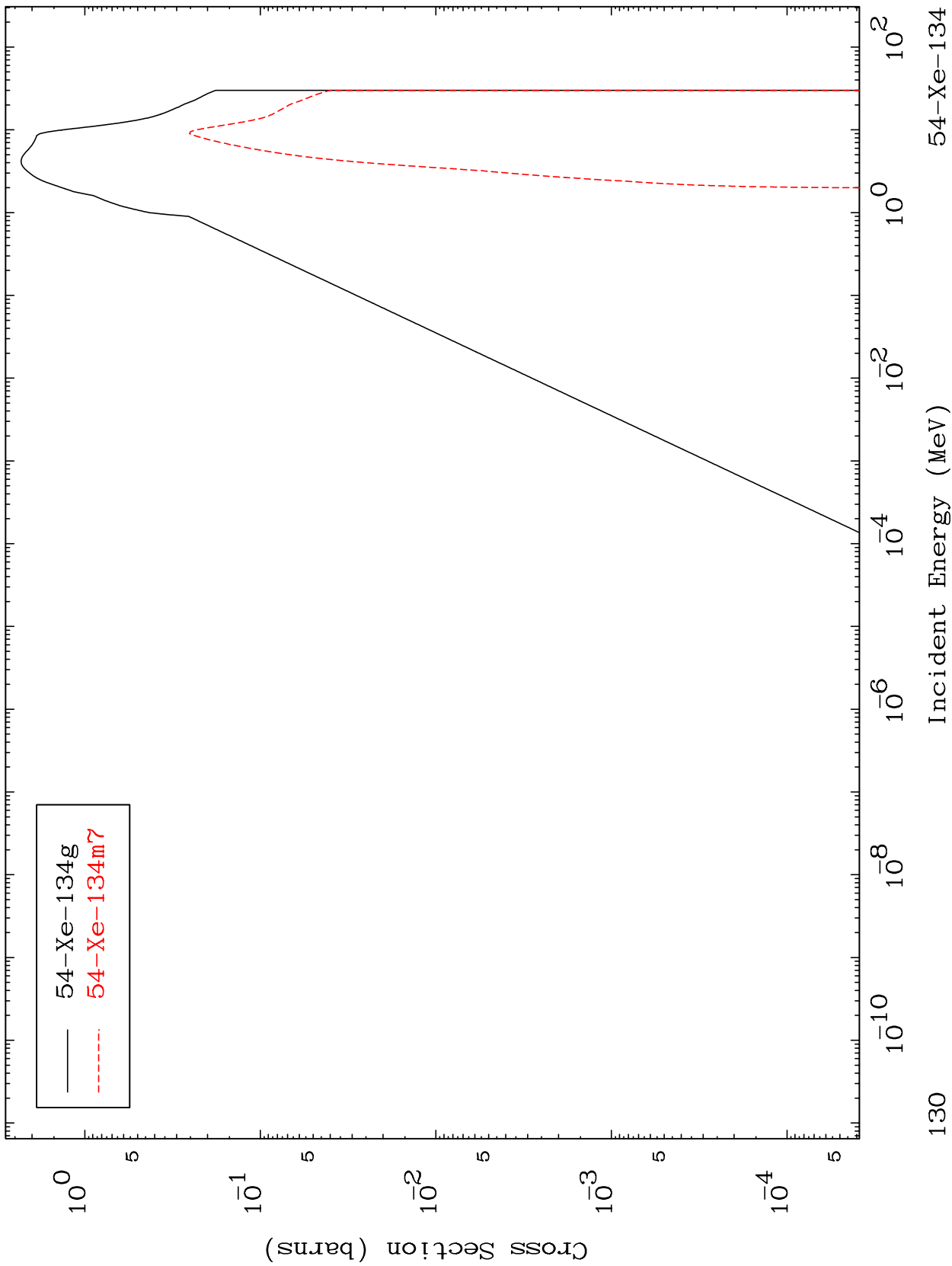




MAT 5455

Radionuclide Production Cross Section

54-Xe-134



130

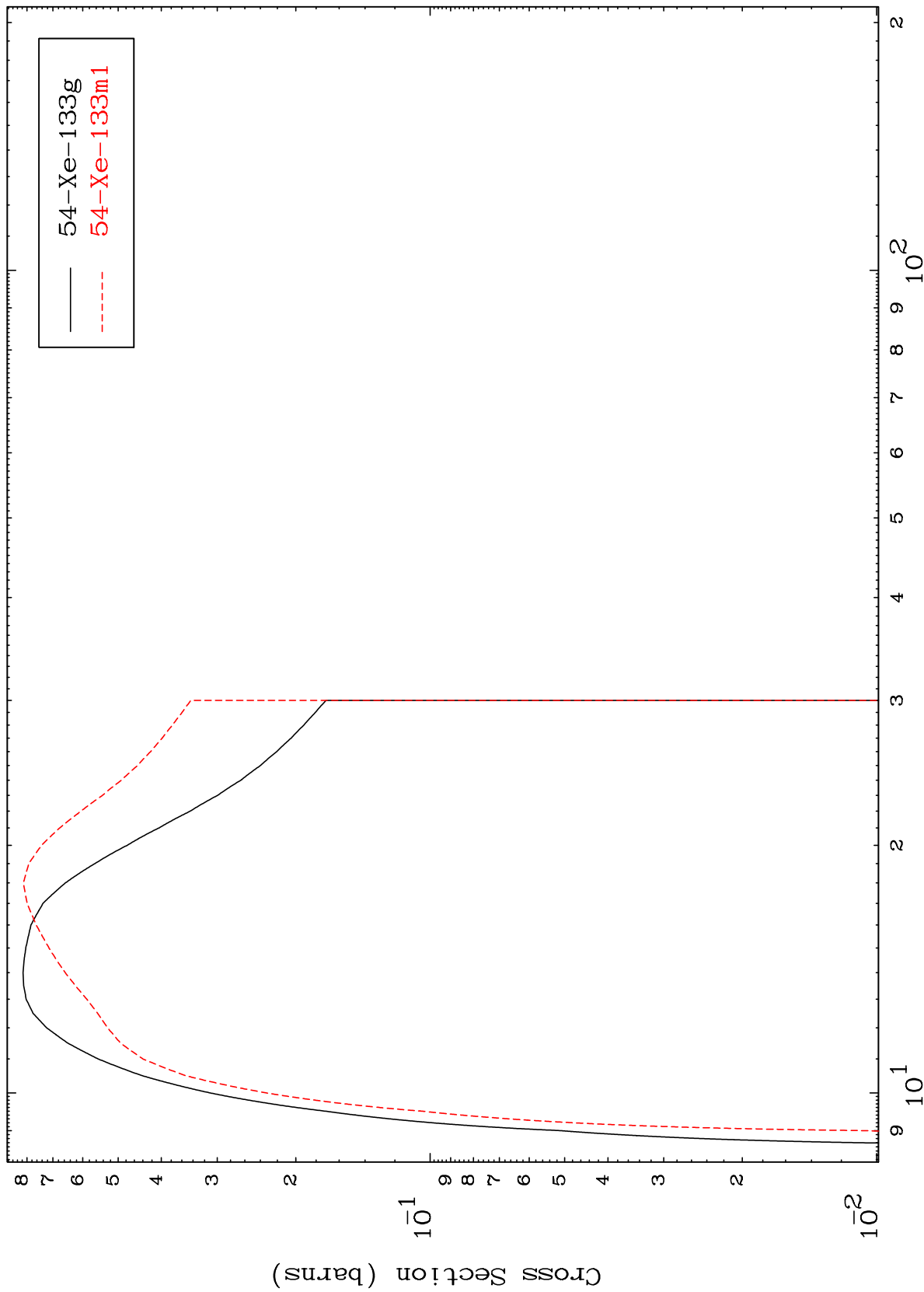
54-Xe-134

MAT 5455

54-Xe-134

(n,2n)

Radionuclide Production Cross Section



54-Xe-133g  
54-Xe-133m1

131

Incident Energy (MeV)

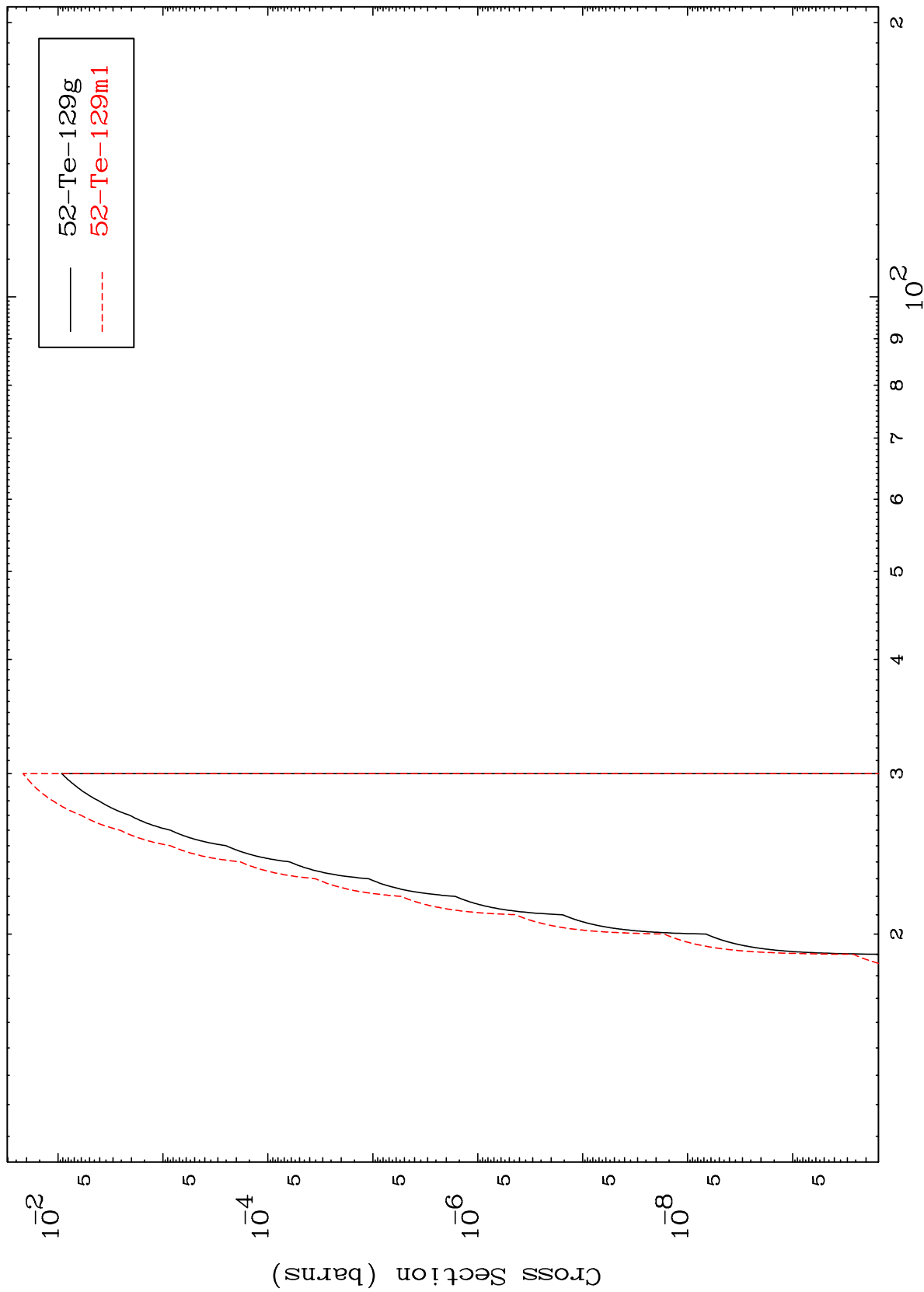
54-Xe-134

MAT 5455

(n,2n)  $\alpha$

54-Xe-134

Radionuclide Production Cross Section



132

Incident Energy (MeV)

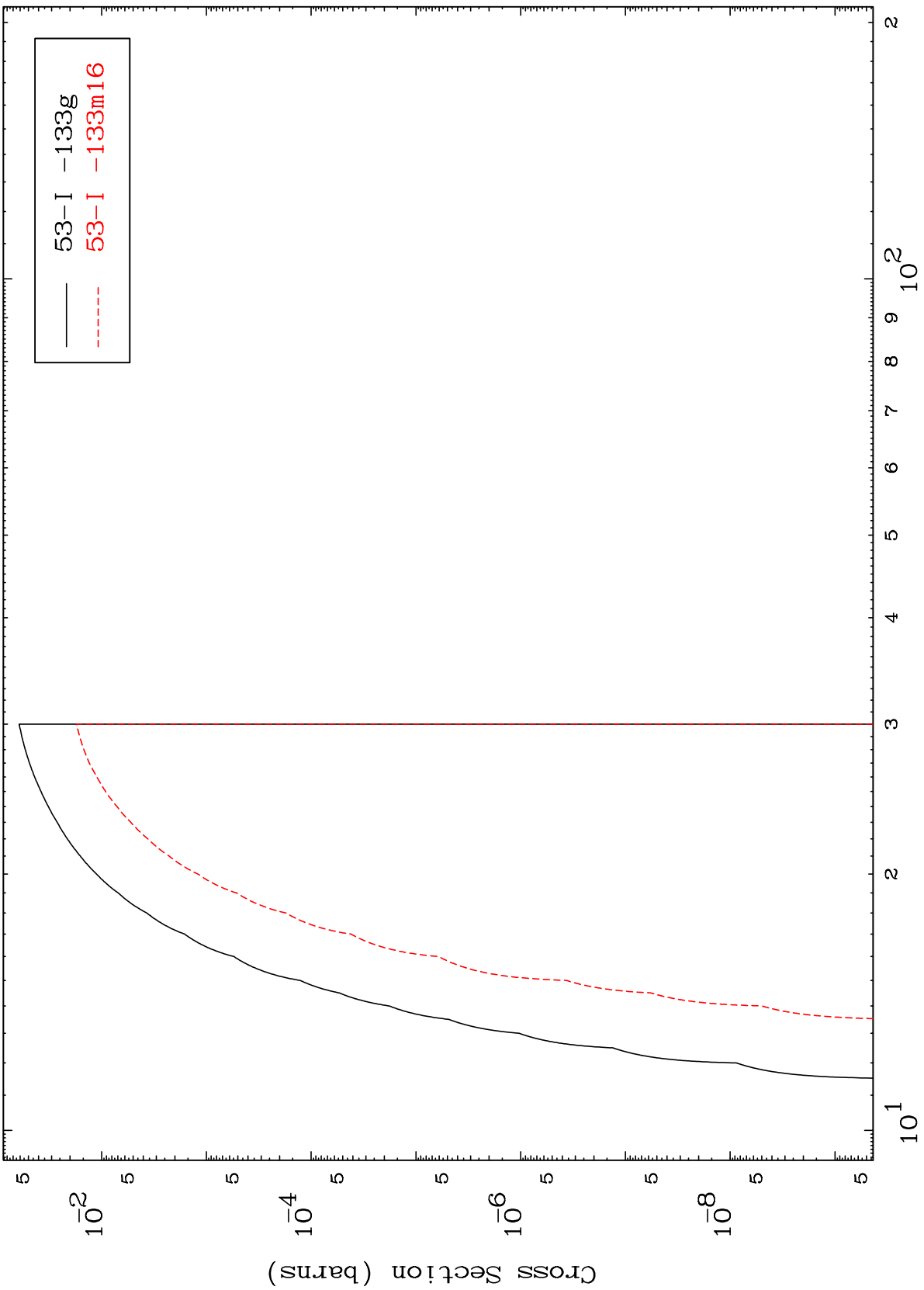
54-Xe-134

MAT 5455

(n,n') p

54-Xe-134

Radionuclide Production Cross Section



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

Incident Energy (MeV)

54-Xe-134

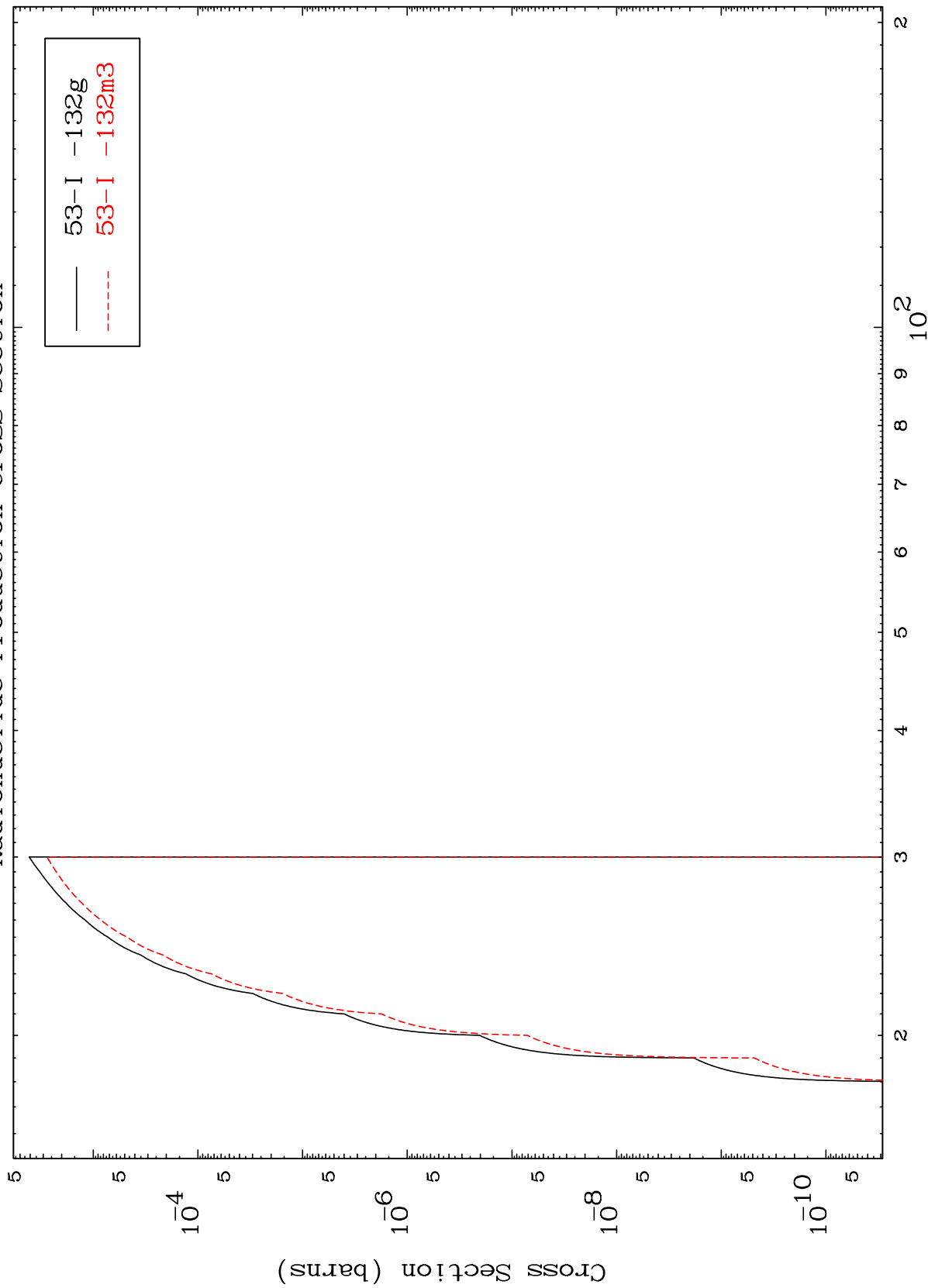
133

MAT 5455

(n,n') d

54-Xe-134

Radionuclide Production Cross Section



134

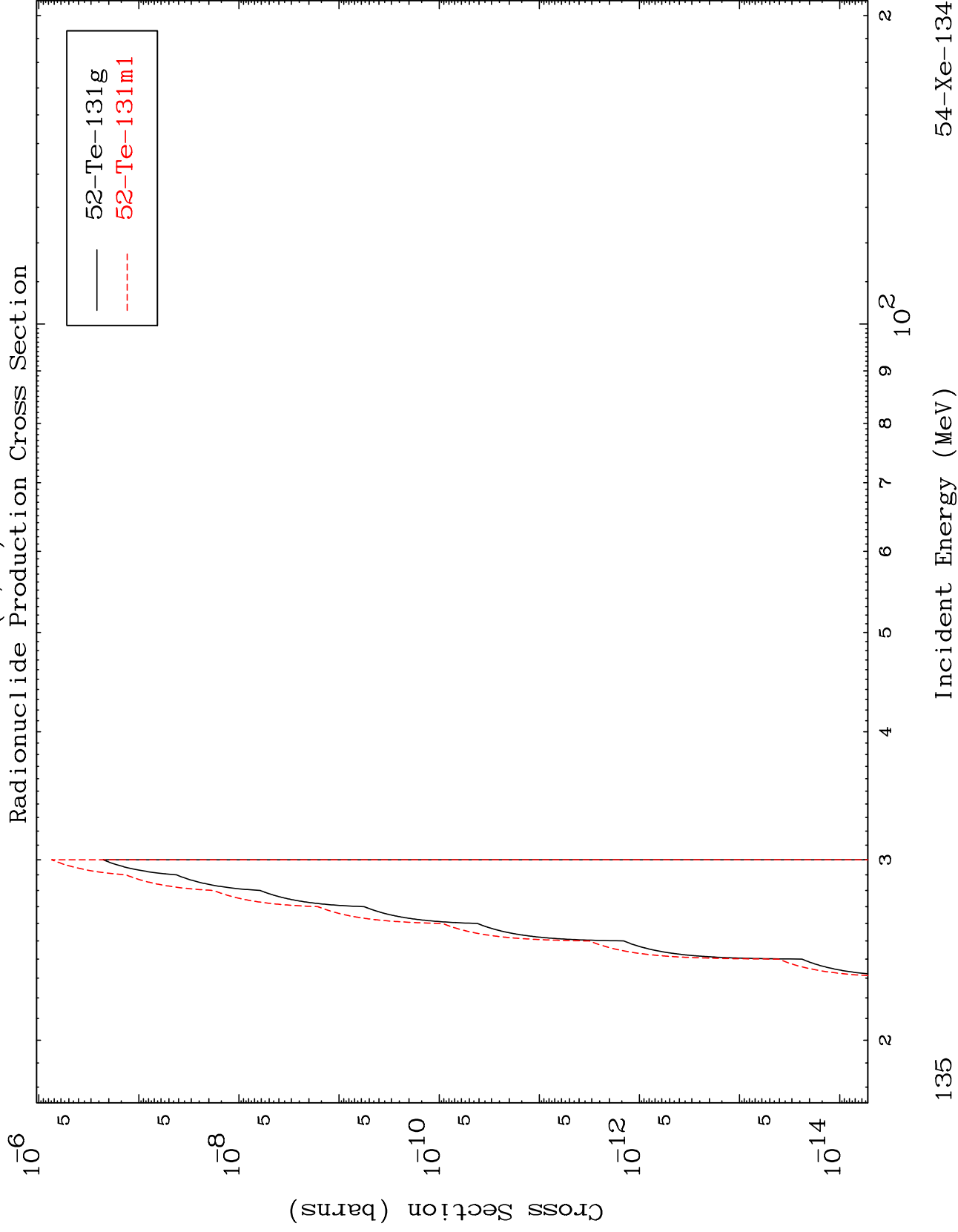
Incident Energy (MeV)

54-Xe-134

MAT 5455

(n,n') He-3

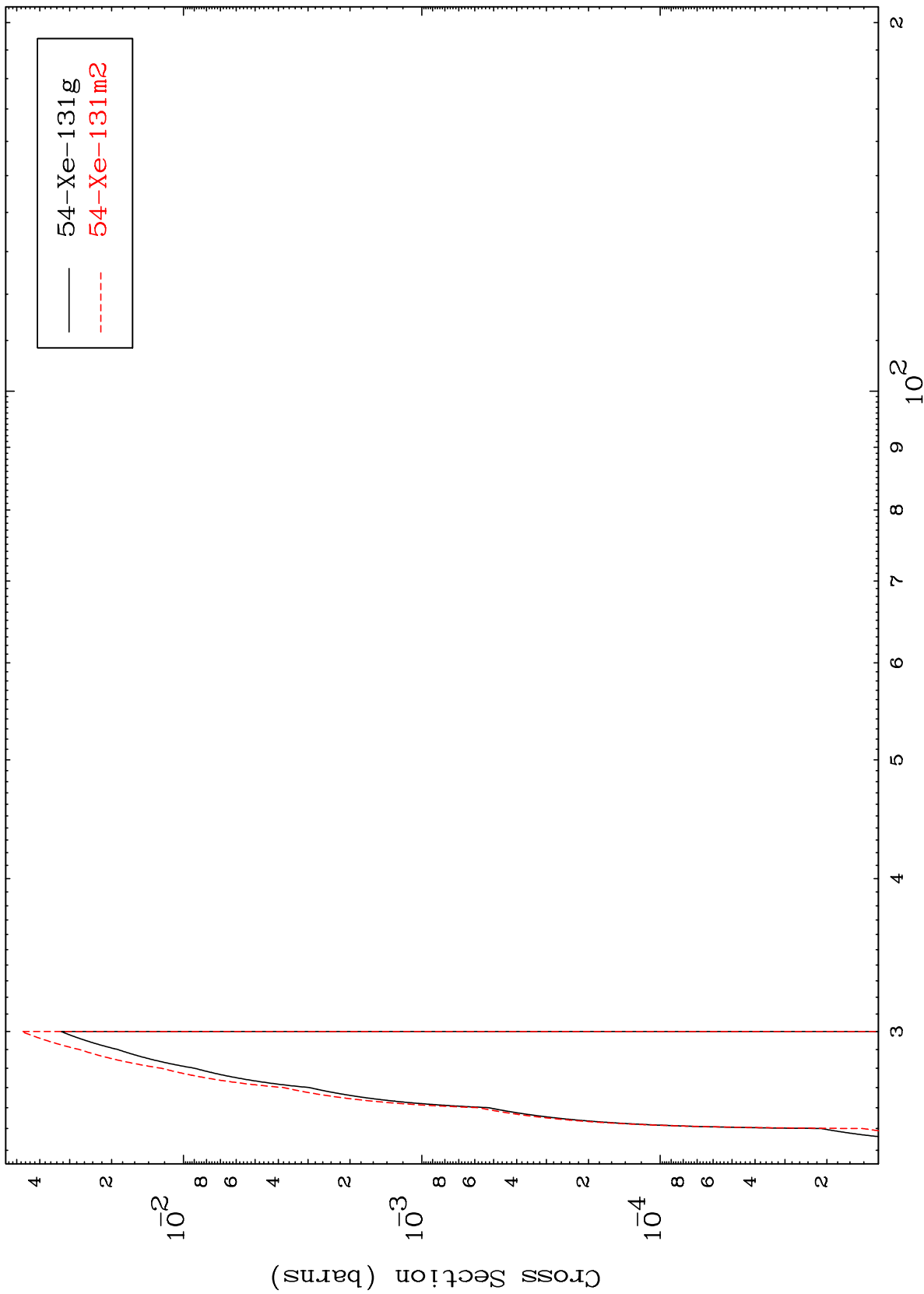
54-Xe-134



135

54-Xe-134

(n,4n)  
Radionuclide Production Cross Section



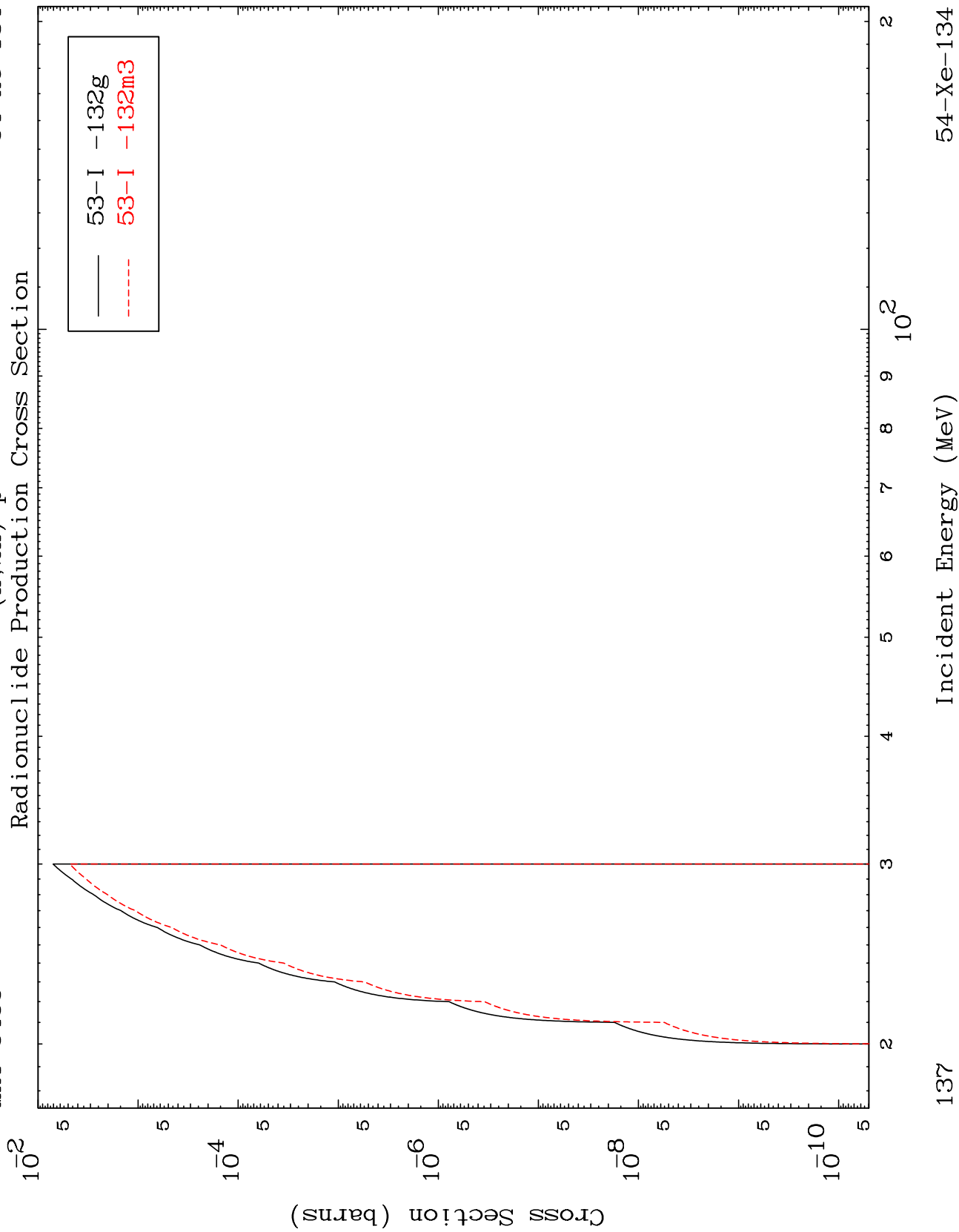
54-Xe-131g  
54-Xe-131m2

MAT 5455

(n,2n) p

54-Xe-134

Radionuclide Production Cross Section

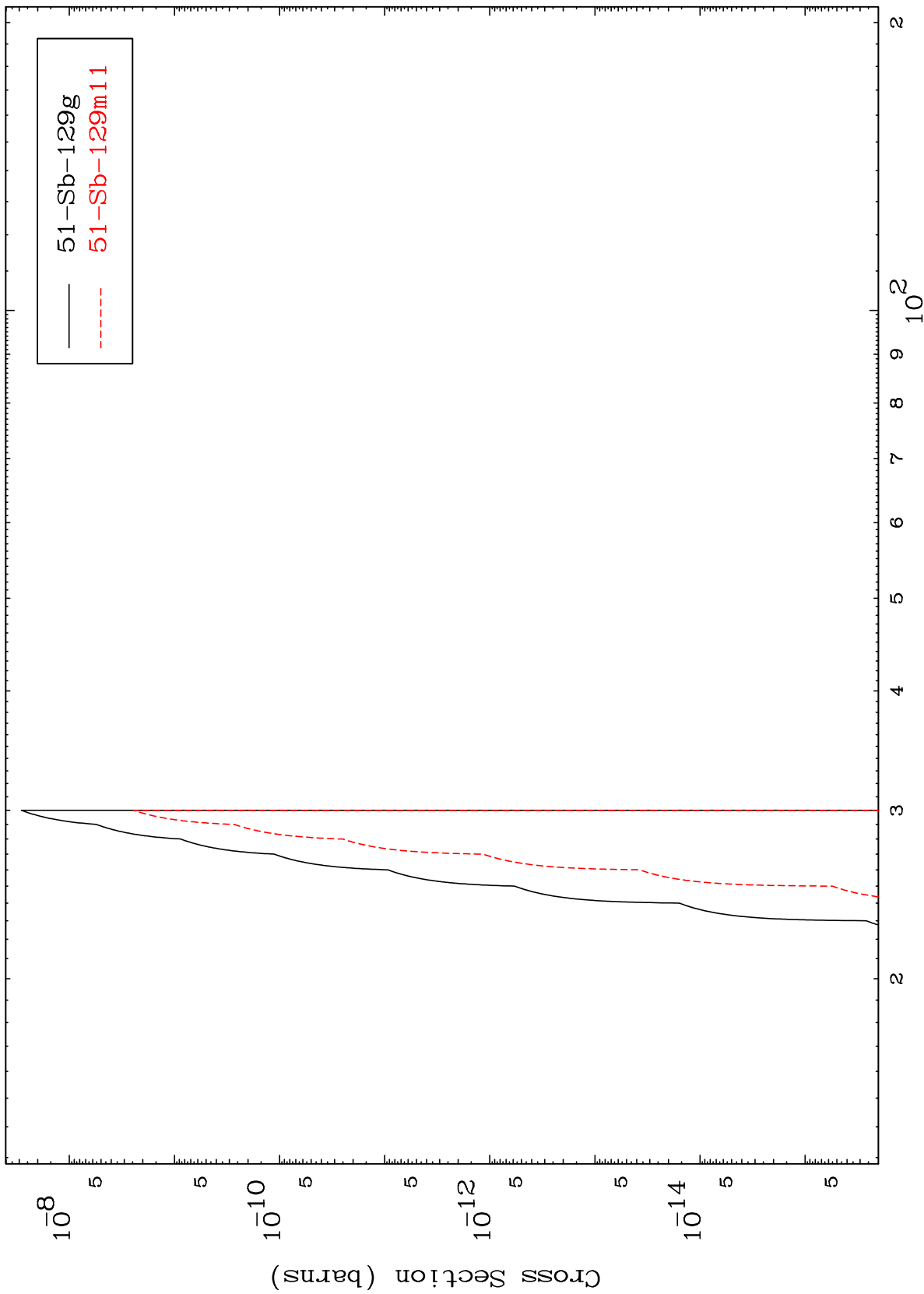


137

Incident Energy (MeV)

54-Xe-134

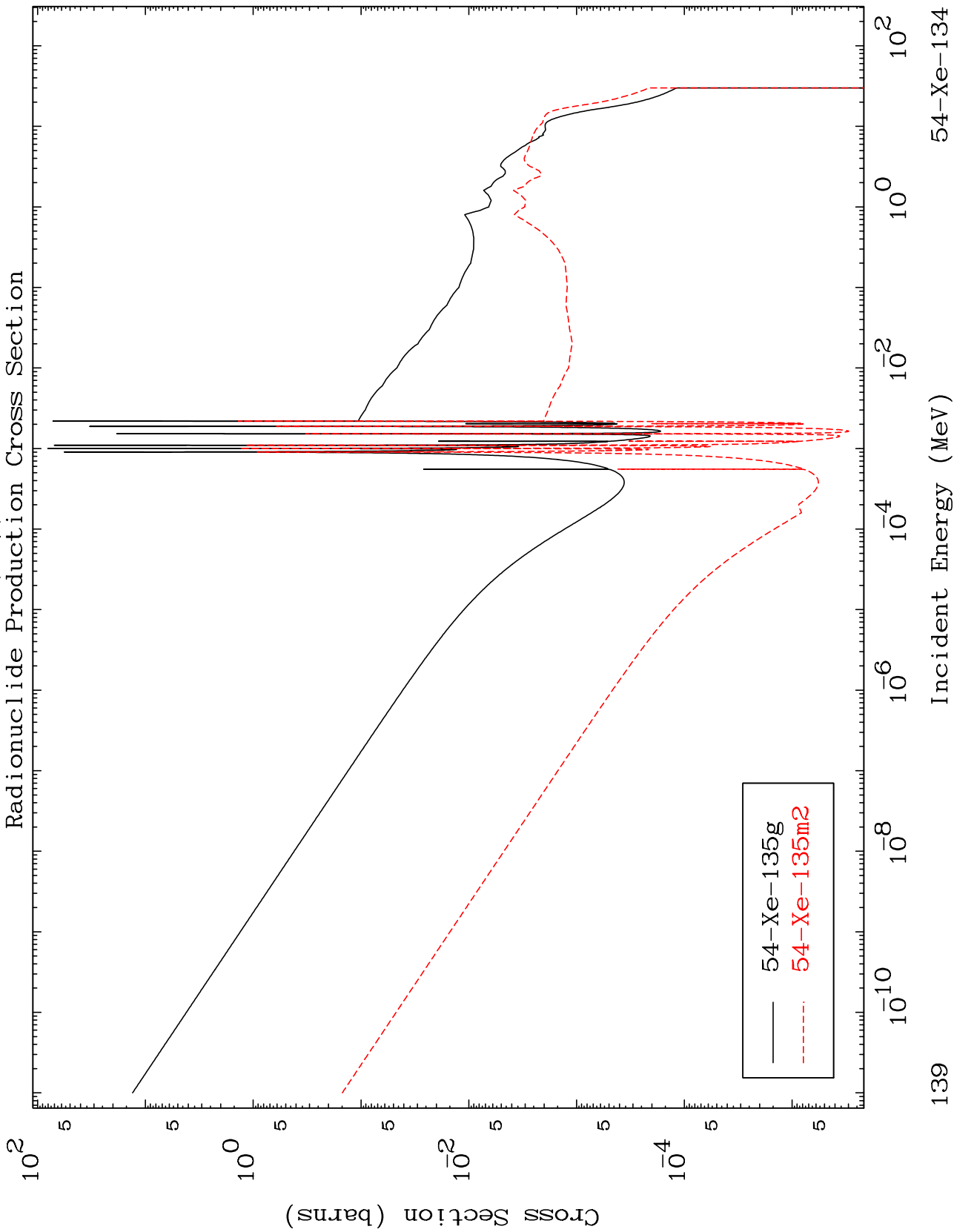
(n,n') p  $\alpha$   
Radionuclide Production Cross Section



MAT 5455

54-Xe-134

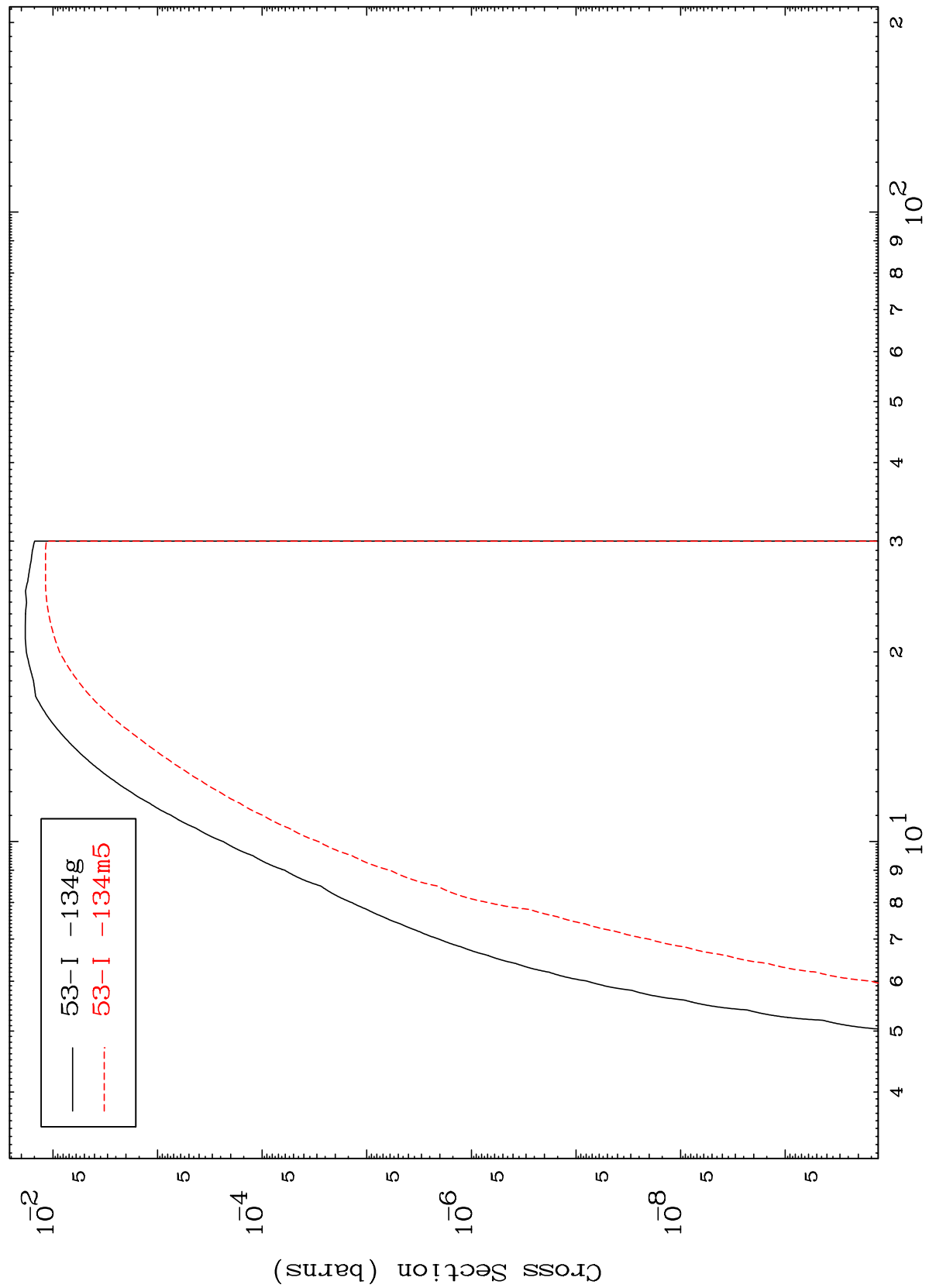
Radionuclide Production Cross Section  
(n,  $\gamma$ )



MAT 5455

54-Xe-134

(n,p)  
Radionuclide Production Cross Section



— 53-I -134g  
- - - 53-I -134m5

54-Xe-134

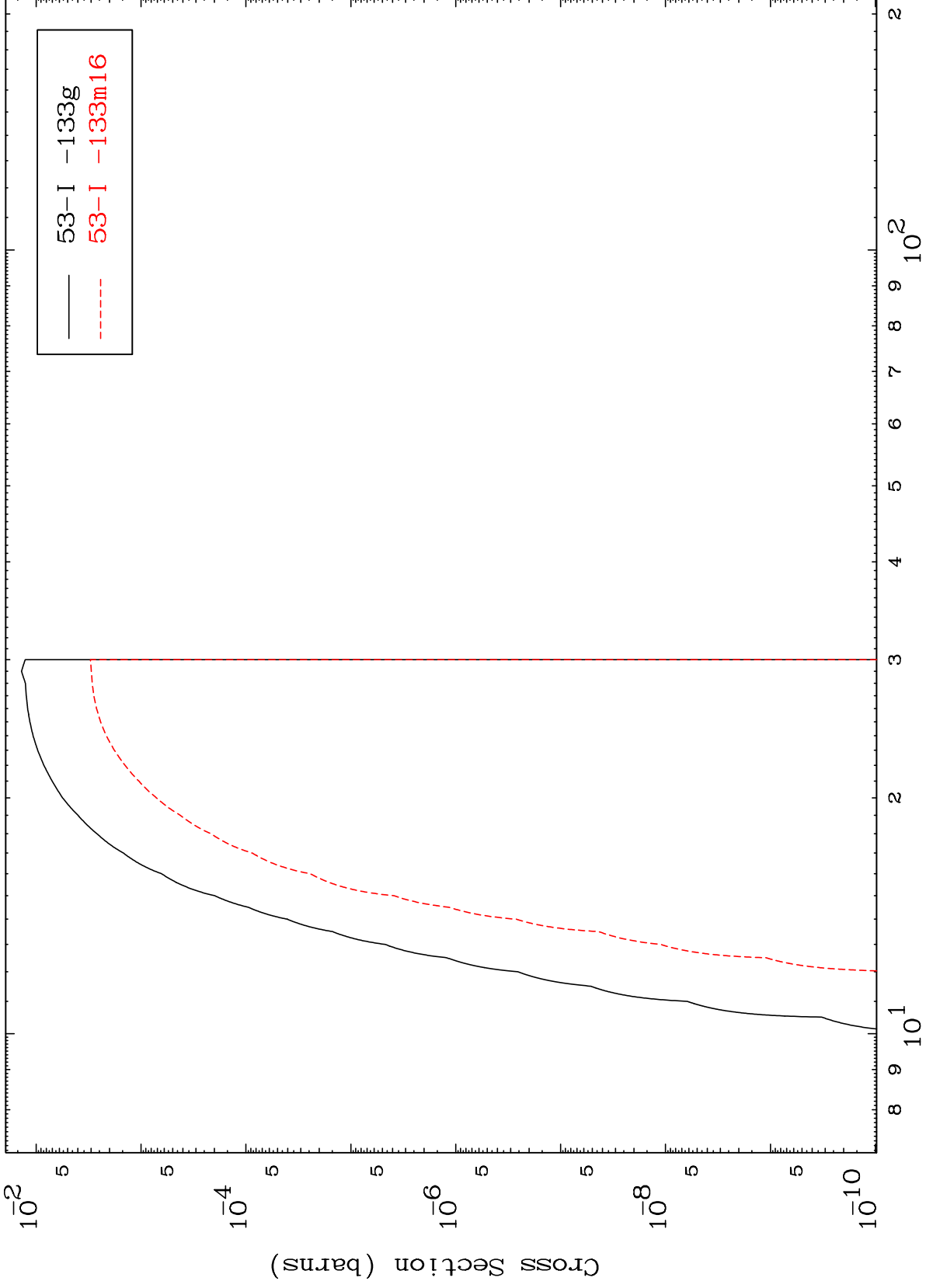
Incident Energy (MeV)

140

MAT 5455

54-Xe-134

(n,d)  
Radionuclide Production Cross Section



141

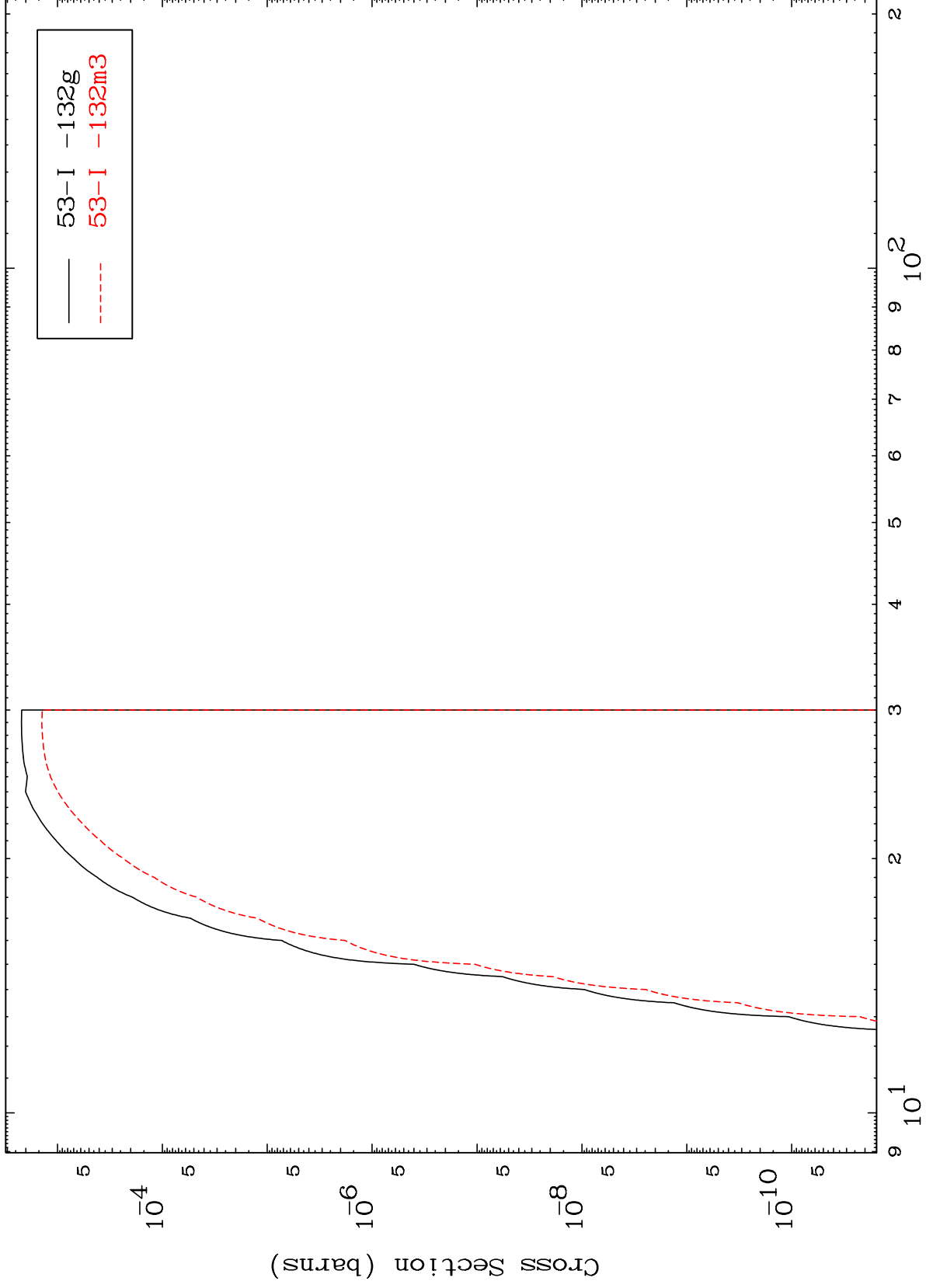
Incident Energy (MeV)

54-Xe-134

MAT 5455

54-Xe-134

(n,t)  
Radionuclide Production Cross Section



54-Xe-134

Incident Energy (MeV)

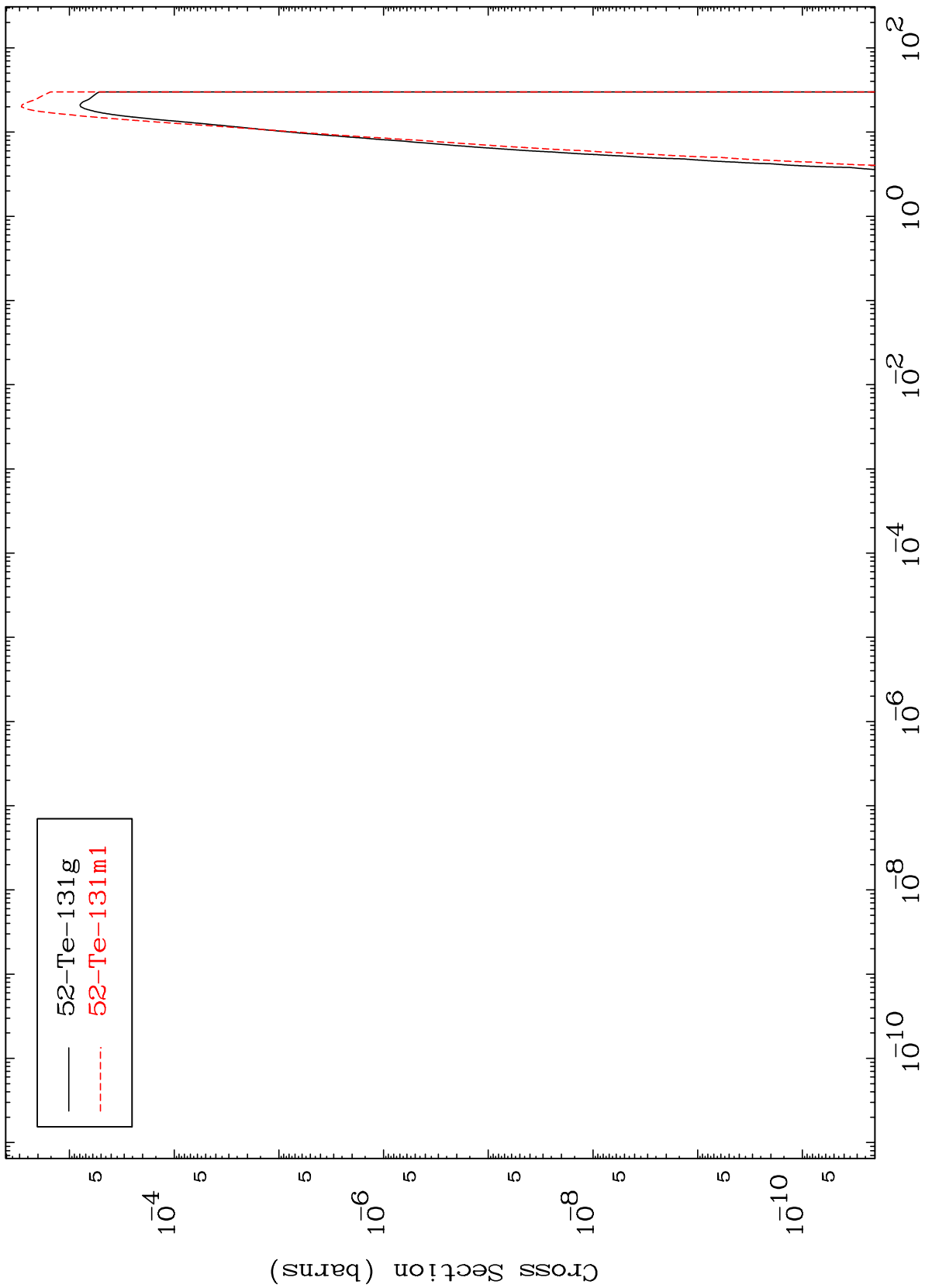
142

MAT 5455

(n,  $\alpha$ )

54-Xe-134

Radionuclide Production Cross Section



143

Incident Energy (MeV)

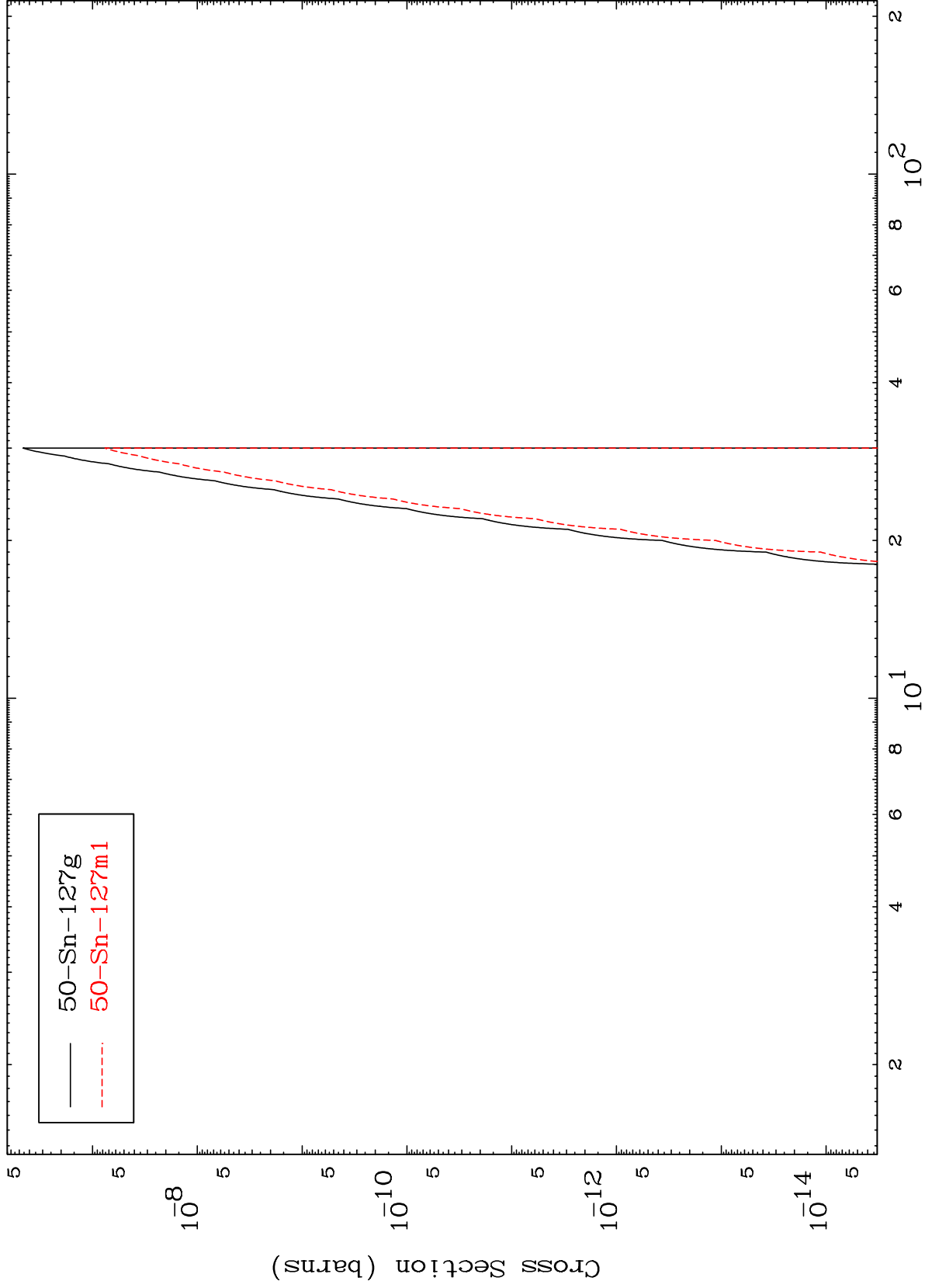
54-Xe-134

MAT 5455

(n,2α)

54-Xe-134

Radionuclide Production Cross Section



144

Incident Energy (MeV)

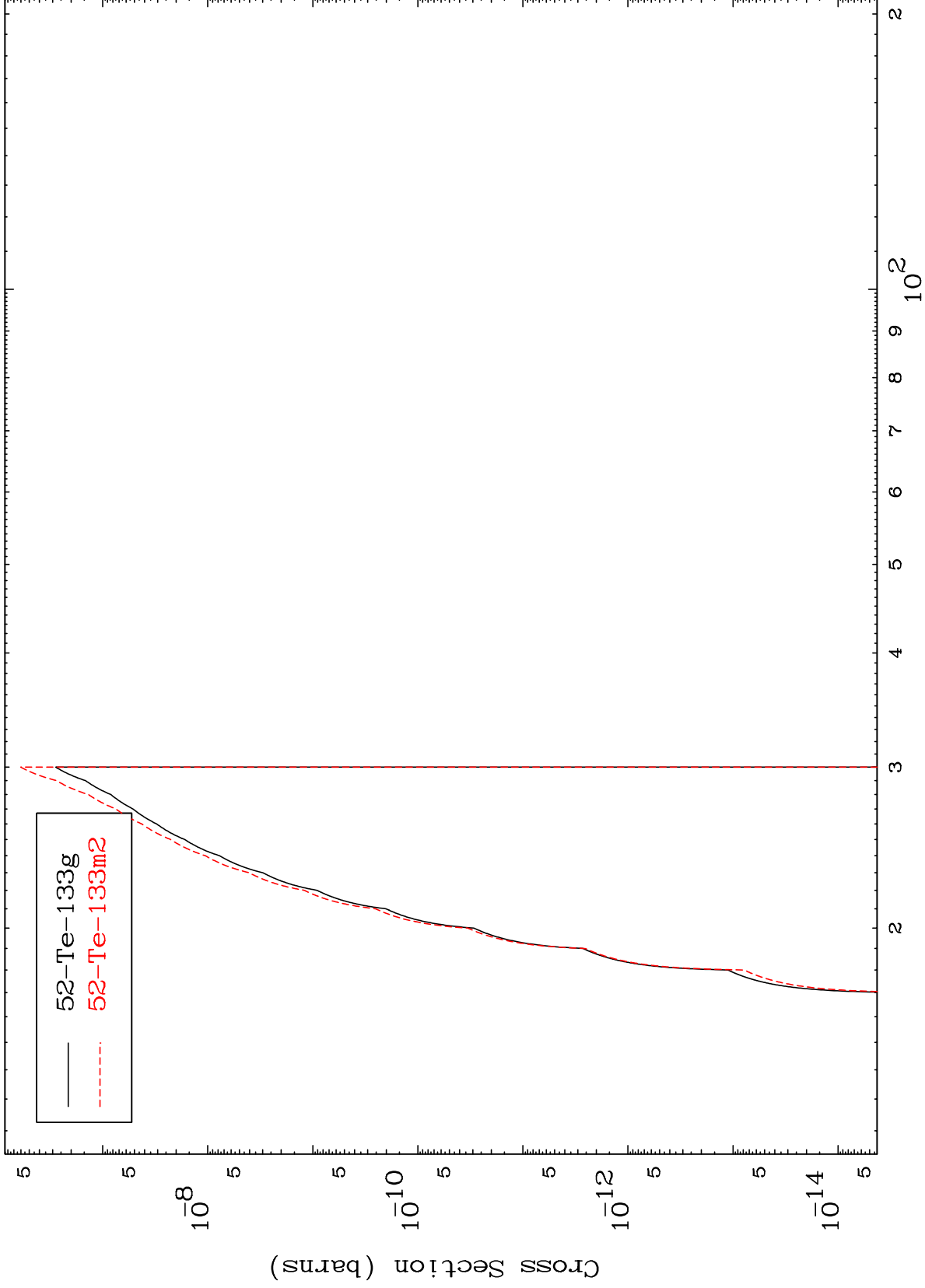
54-Xe-134

MAT 5455

(n,2p)

54-Xe-134

Radionuclide Production Cross Section



145

Incident Energy (MeV)

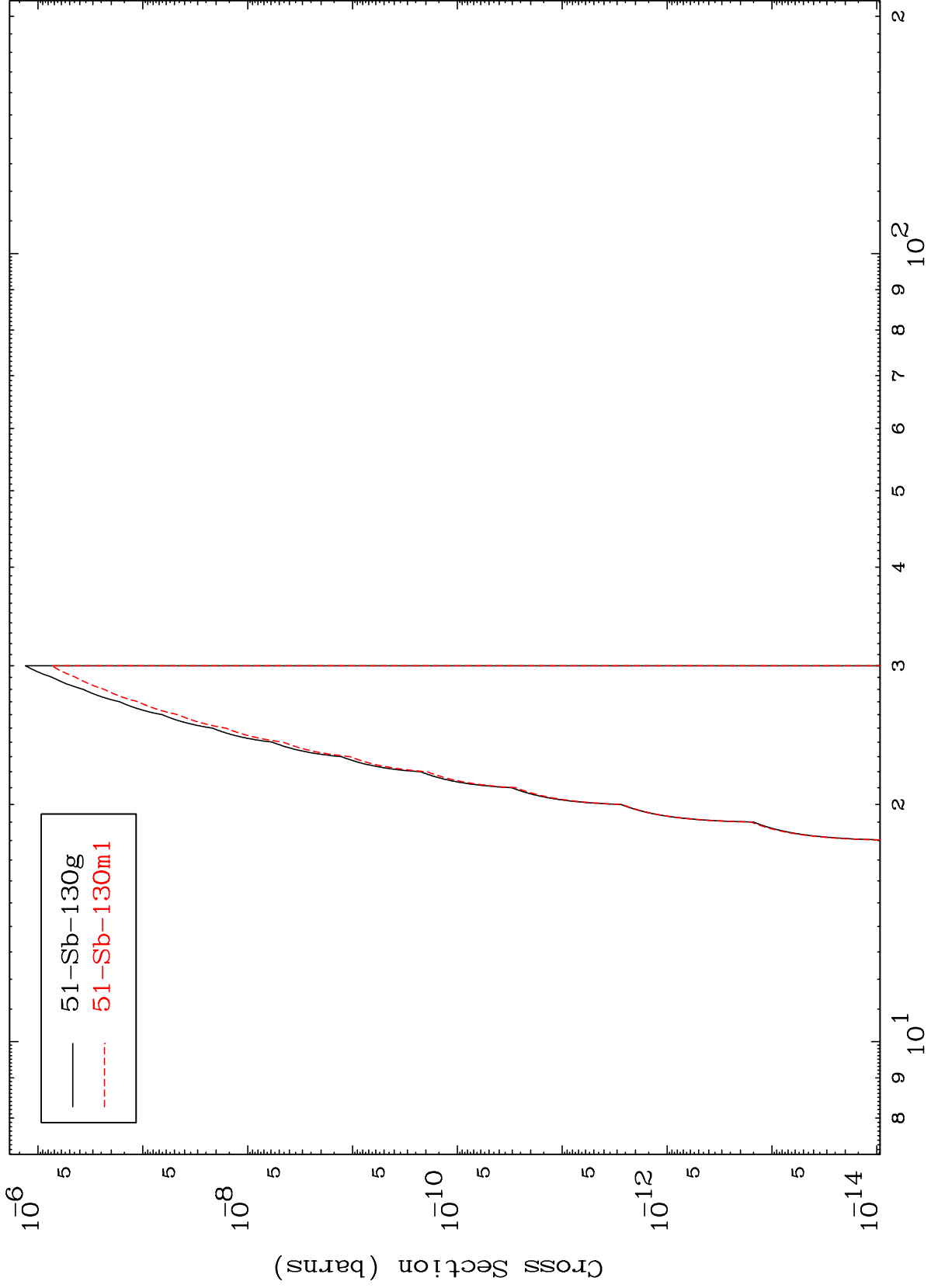
54-Xe-134

MAT 5455

(n,p)  $\alpha$

54-Xe-134

Radionuclide Production Cross Section



146

Incident Energy (MeV)

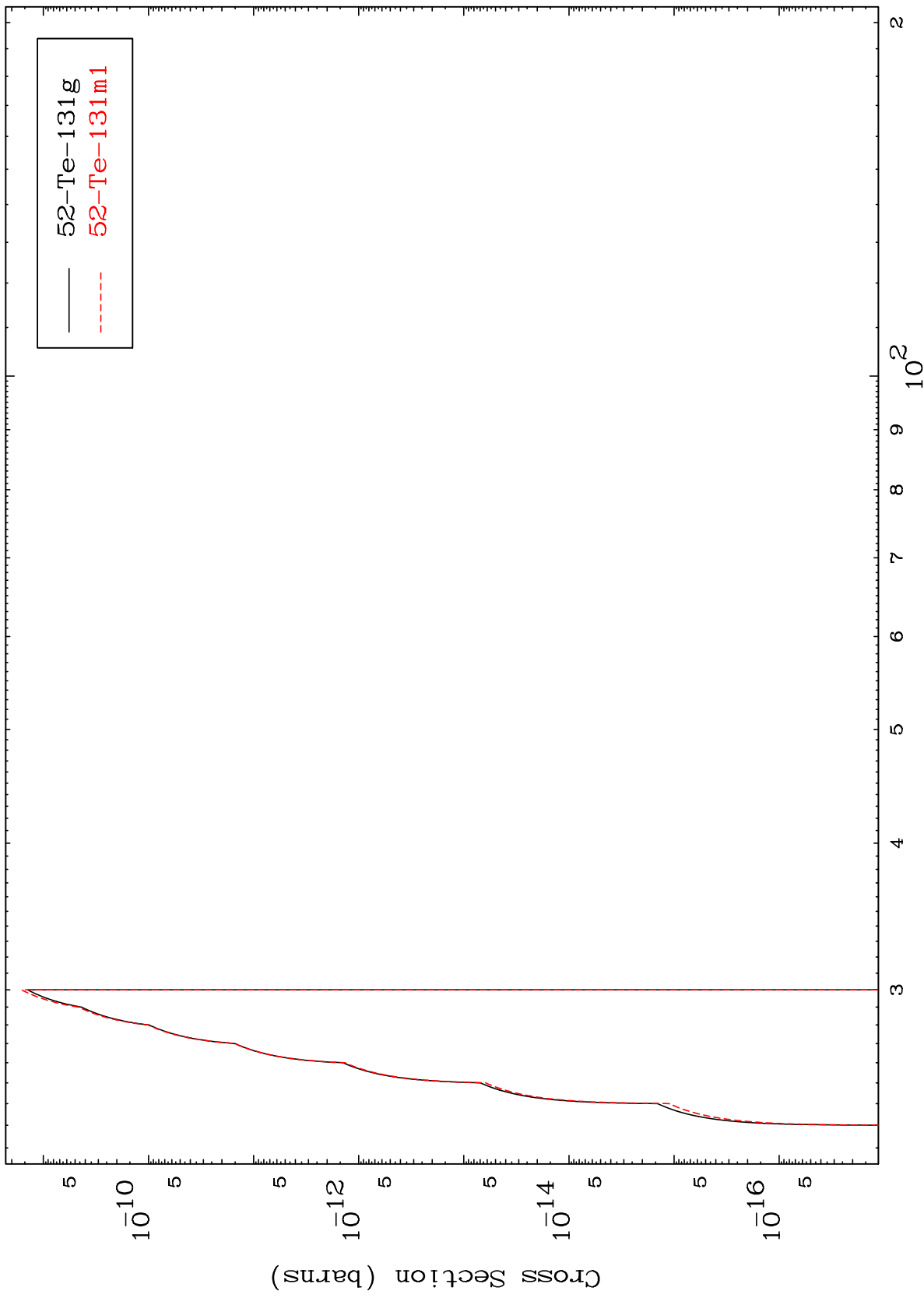
54-Xe-134

MAT 5455

(n,p) t

54-Xe-134

Radionuclide Production Cross Section



147

Incident Energy (MeV)

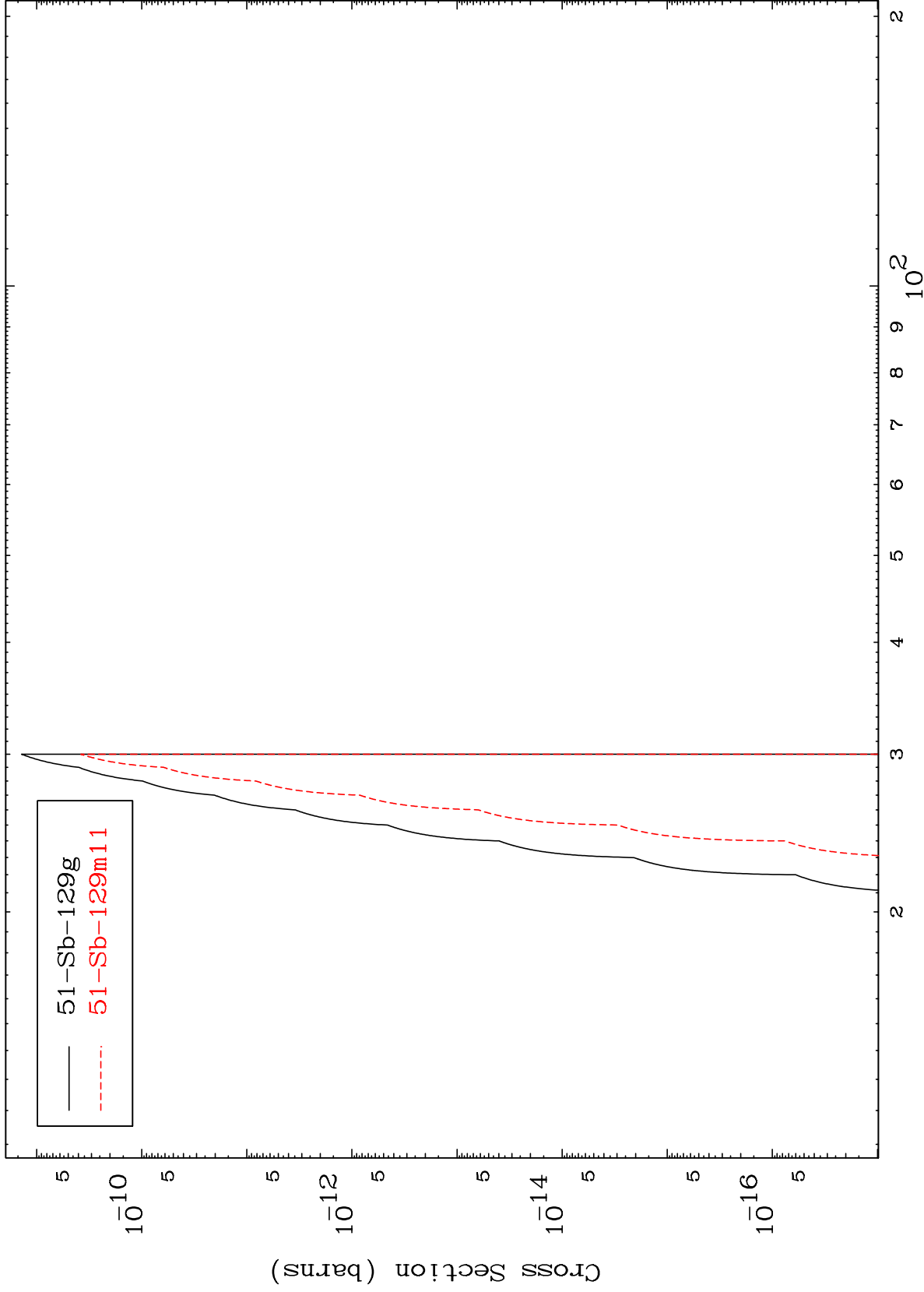
54-Xe-134

MAT 5455

(n,d)  $\alpha$

54-Xe-134

Radionuclide Production Cross Section



148

Incident Energy (MeV)

54-Xe-134