

Program EVALPLOT  
(Version 2017-1)

by

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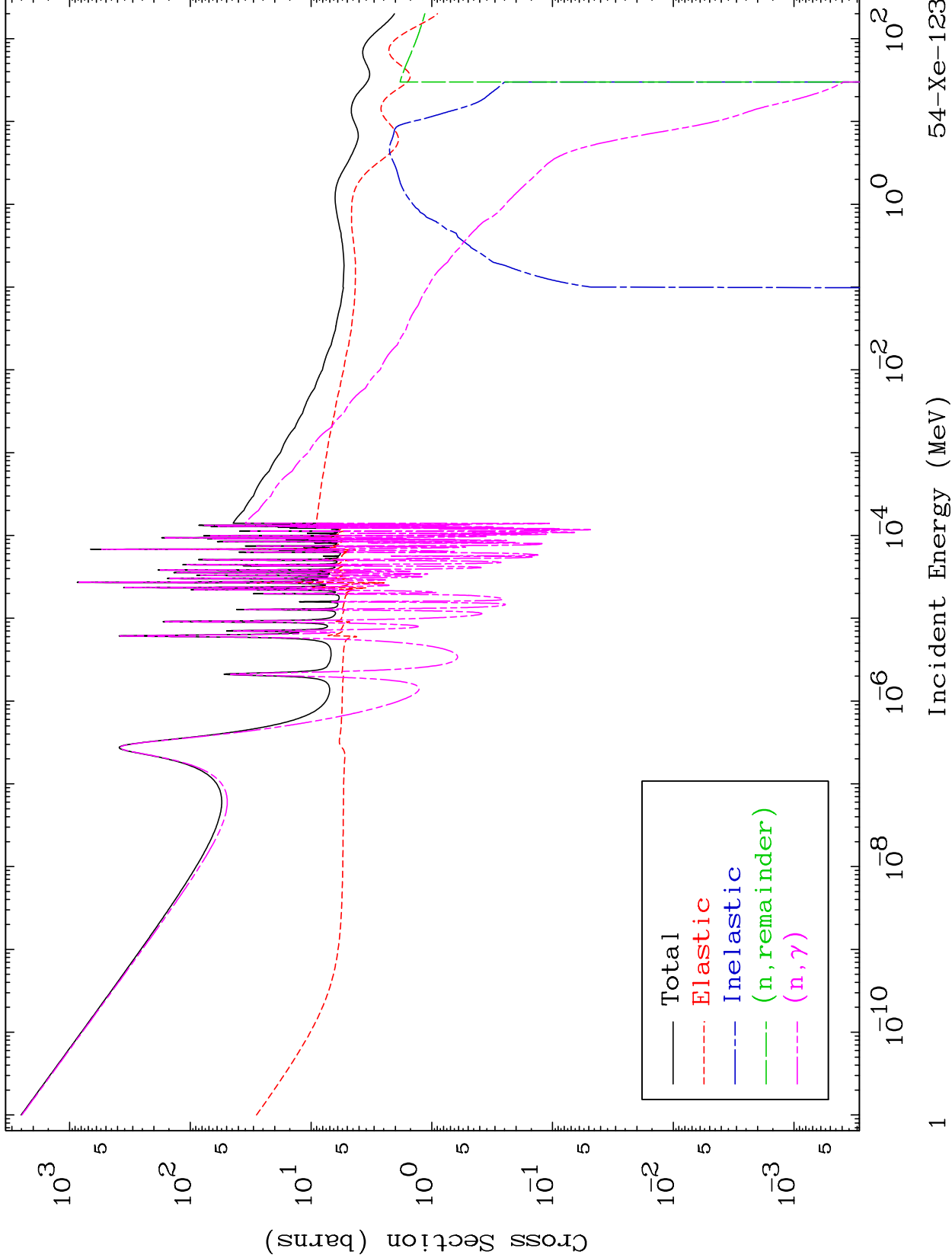
Press Mouse Button to Start

MAT 5422

Major

293 Kelvin Cross Sections

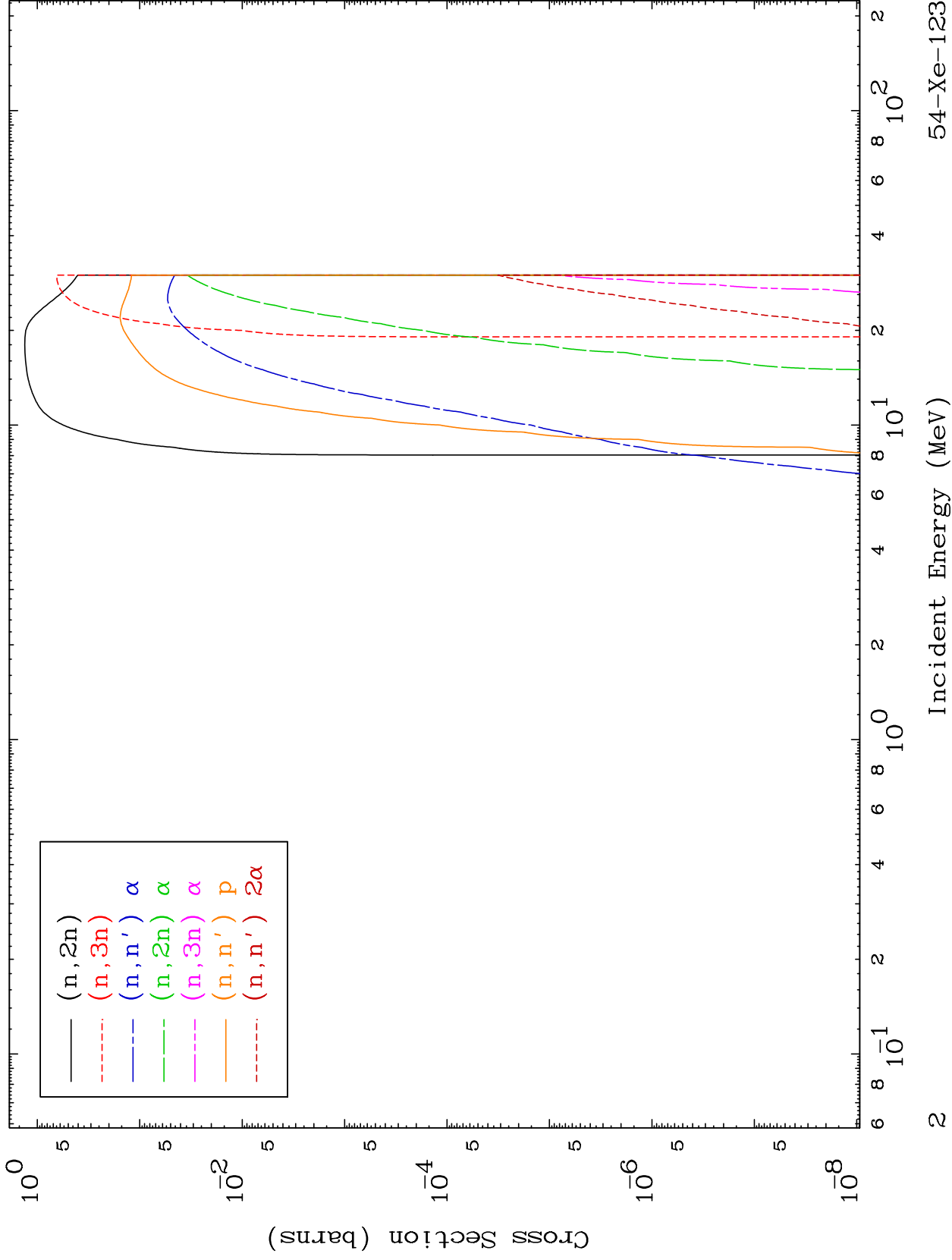
54-Xe-123

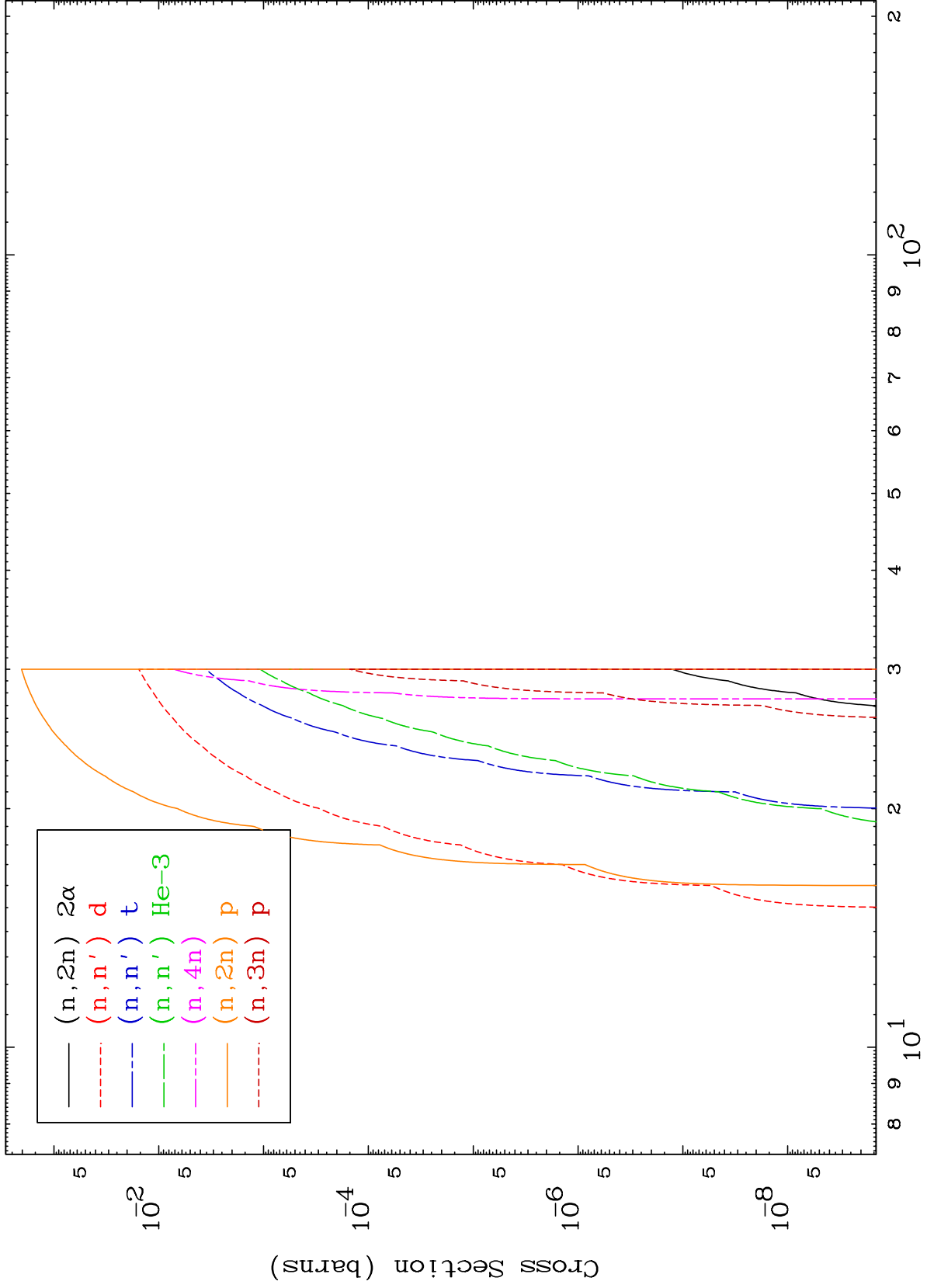


MAT 5422

Neutron Production  
293 Kelvin Cross Sections

54-Xe-123

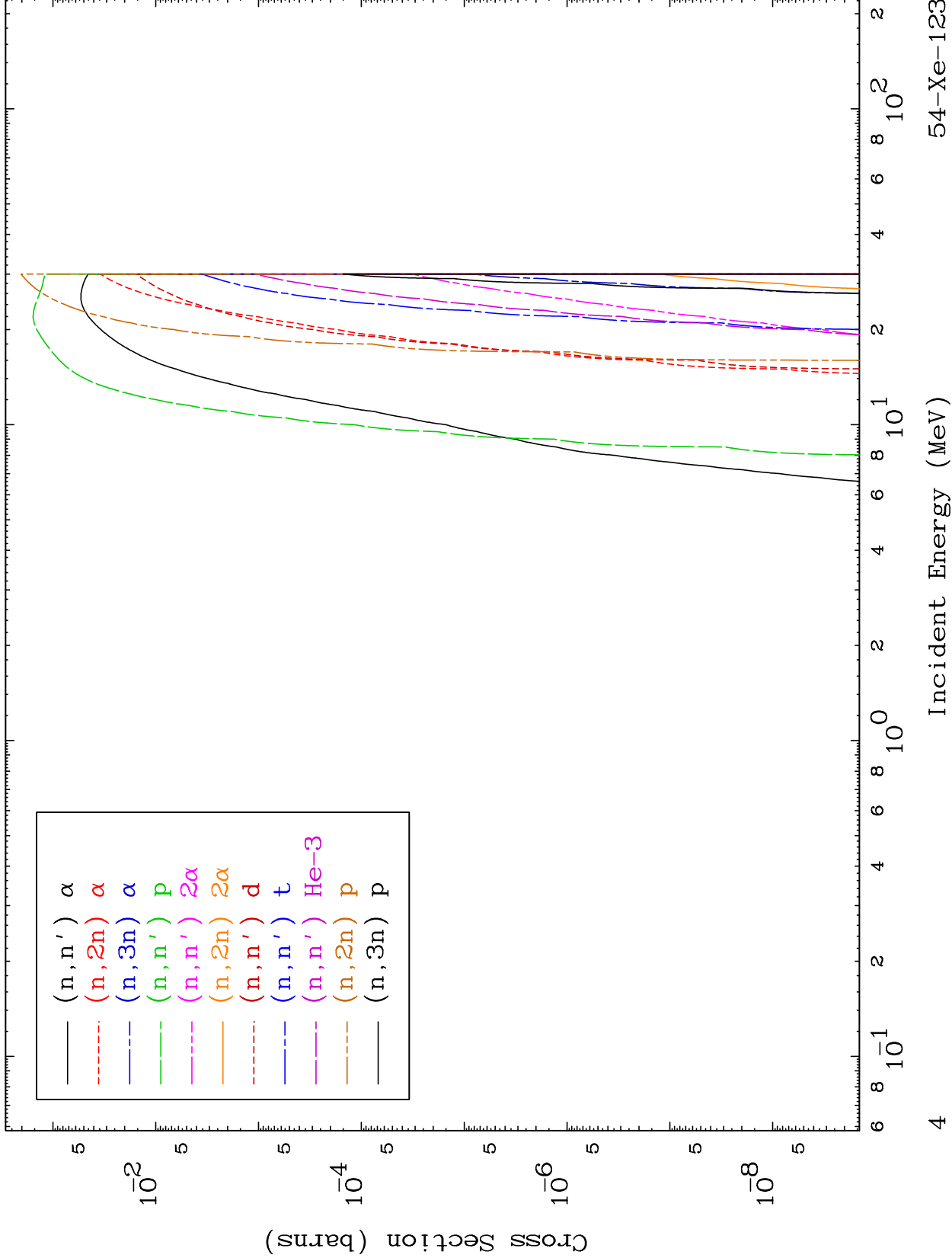


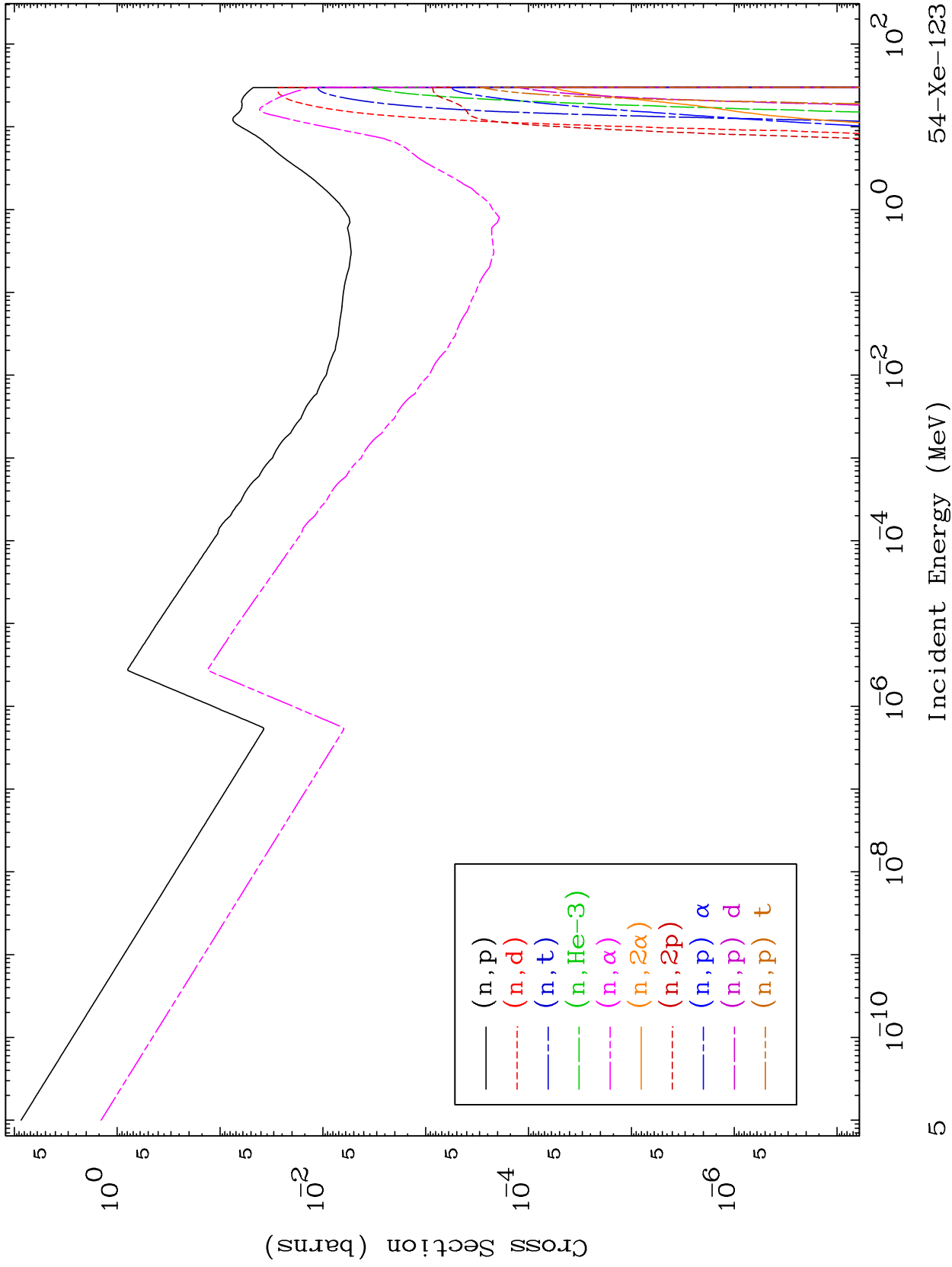


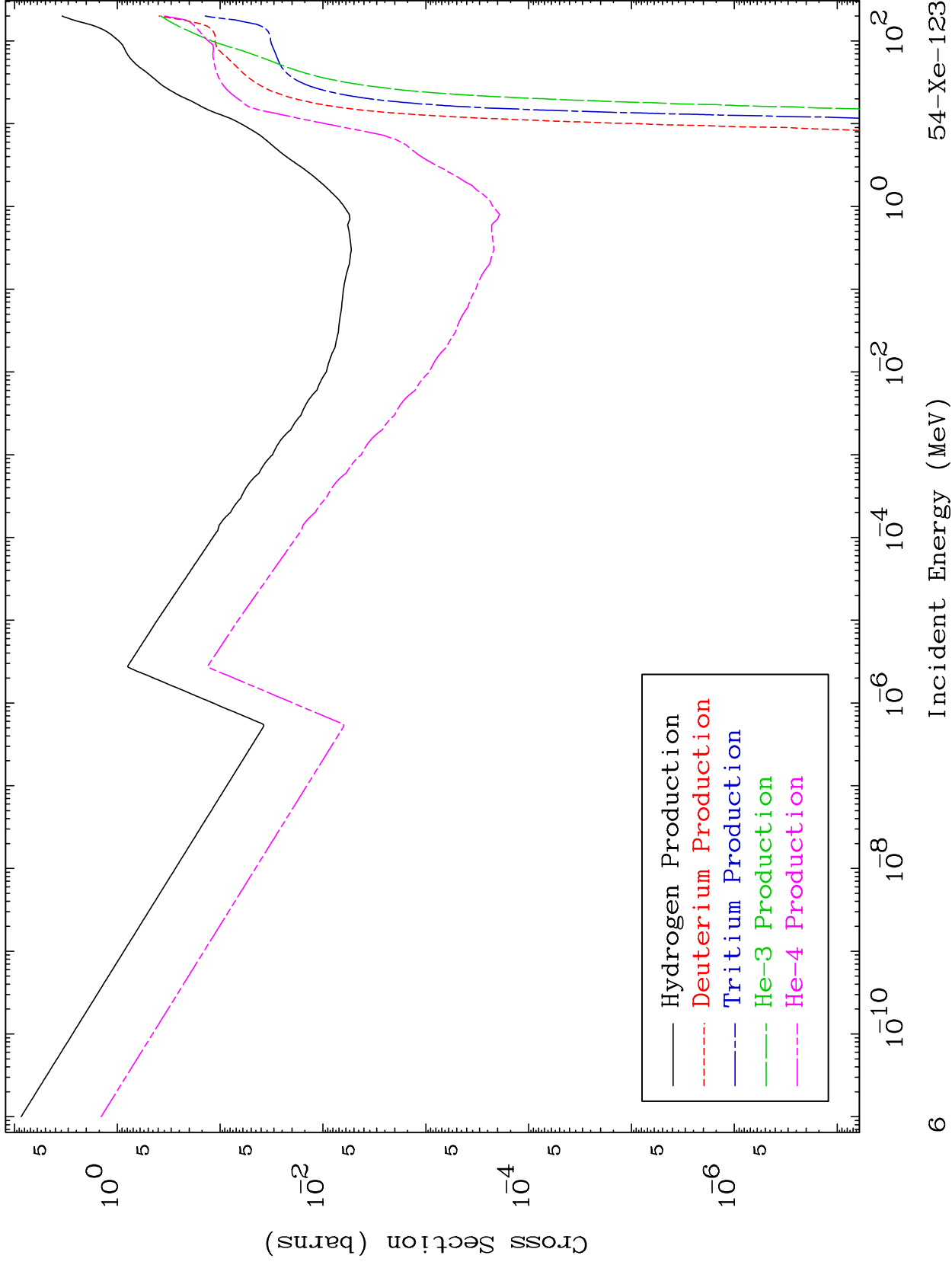
MAT 5422

293 Charged Particle  
Kelvin Cross Sections

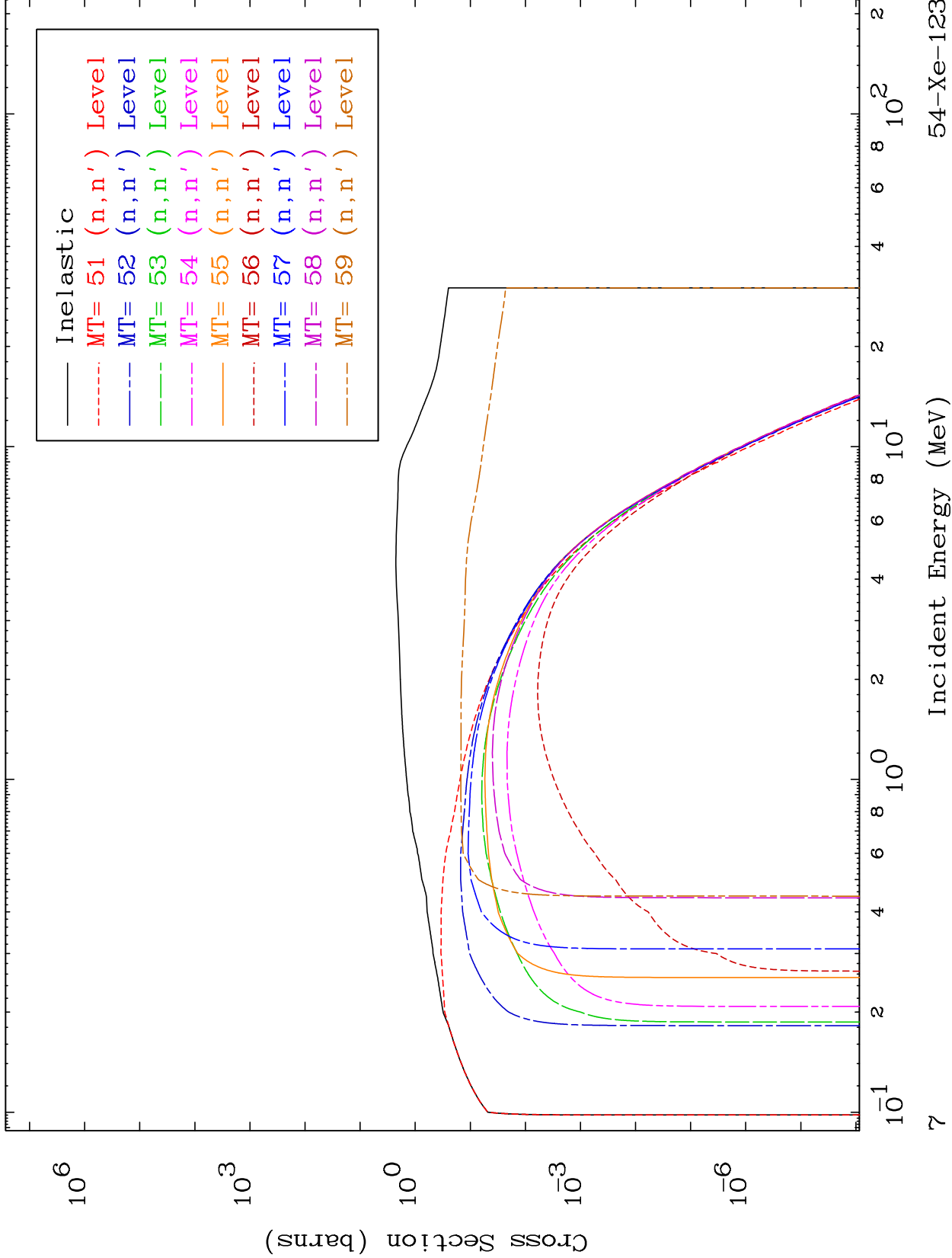
54-Xe-123





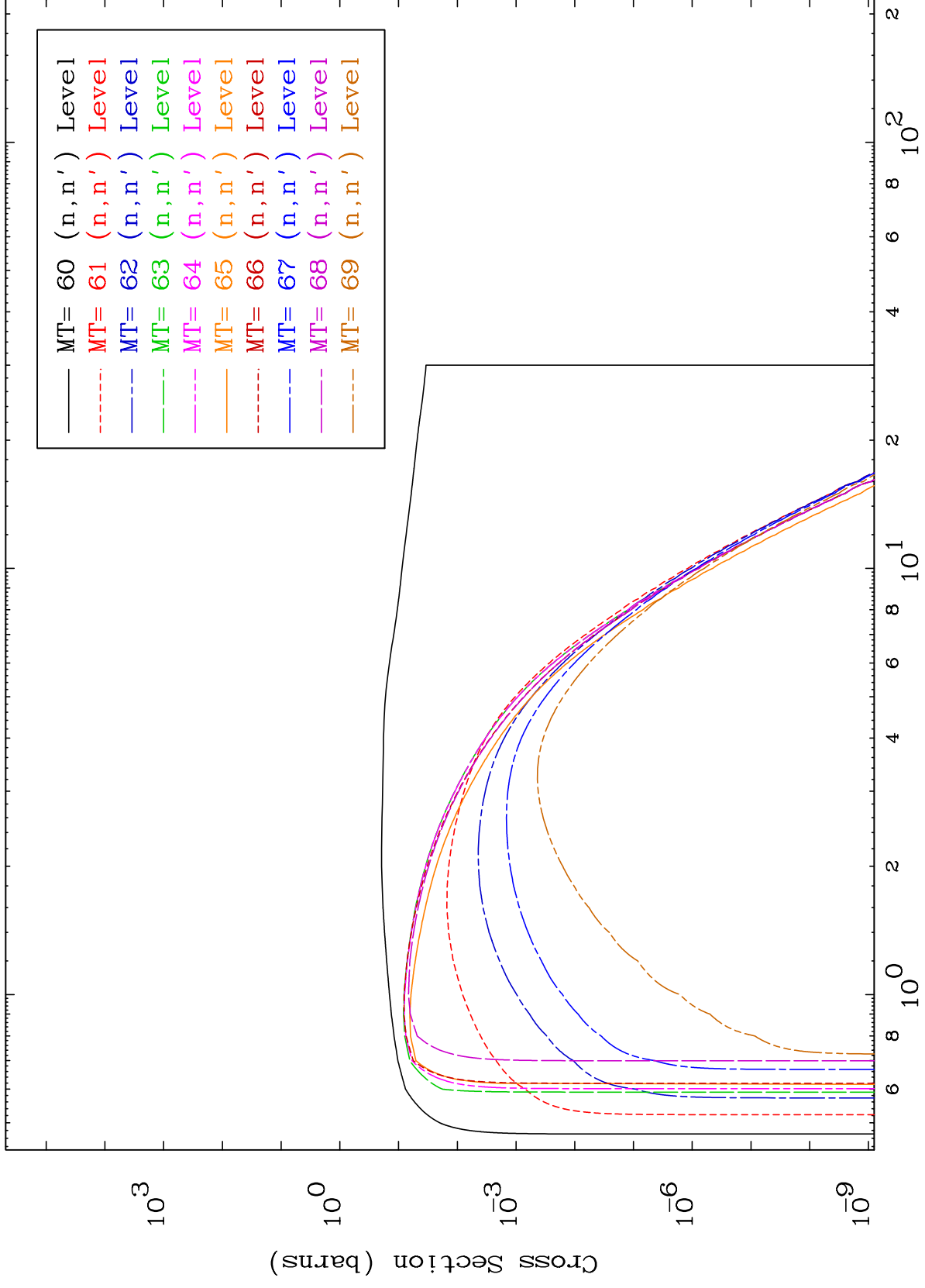


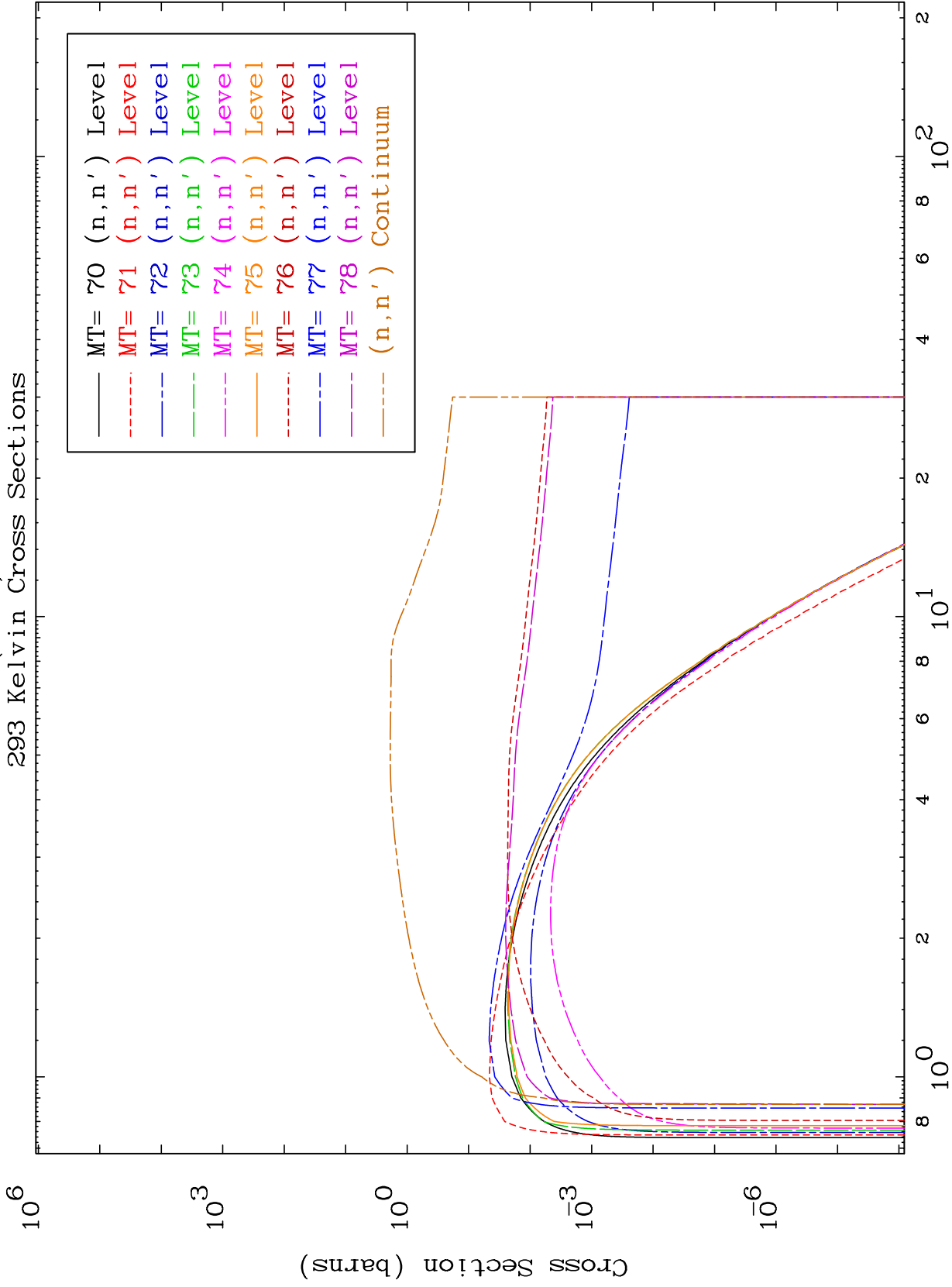
293 Kelvin Cross Sections





293 Kelvin Cross Sections

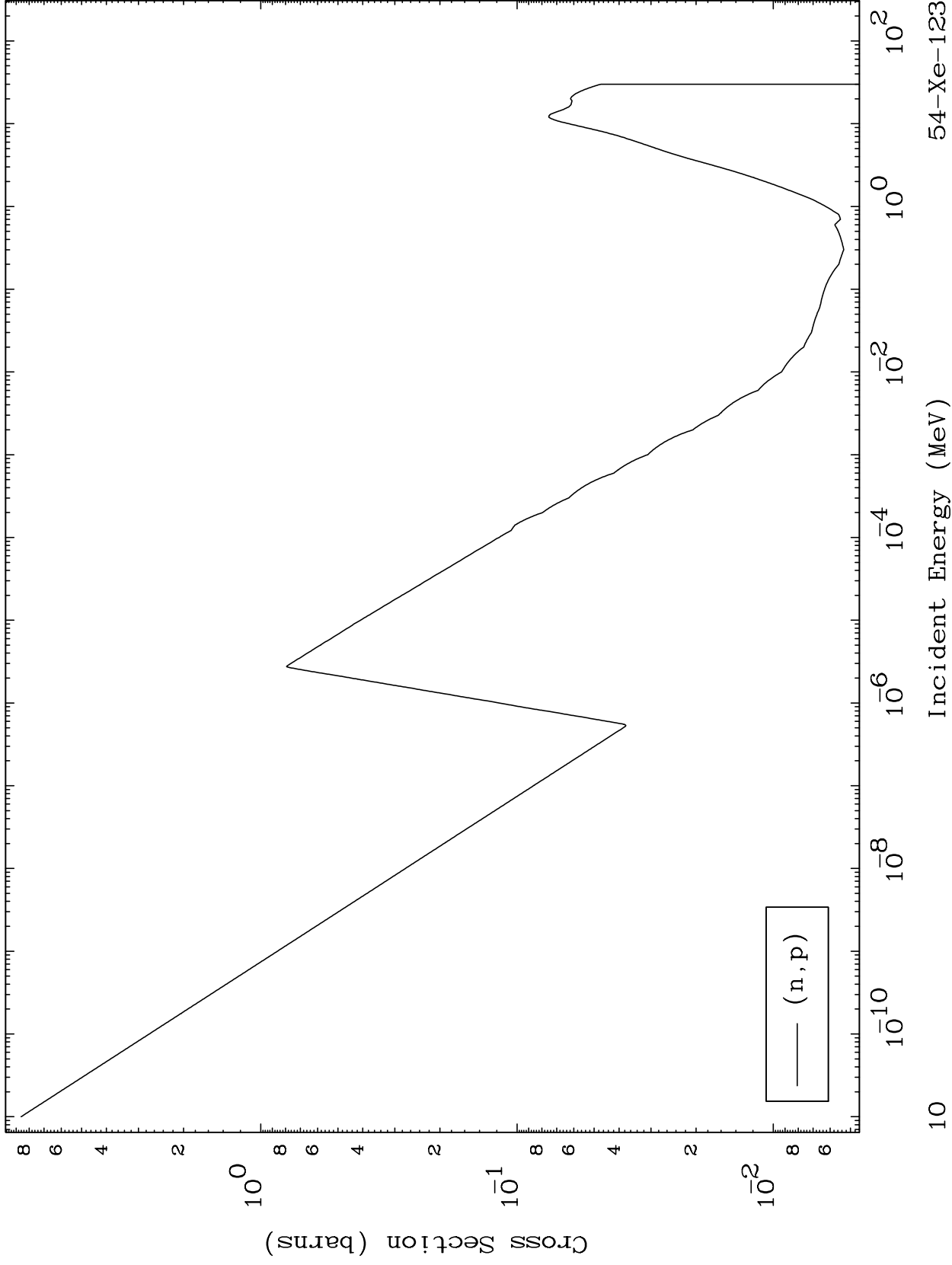




MAT 5422

(n,p) Levels  
293 Kelvin Cross Sections

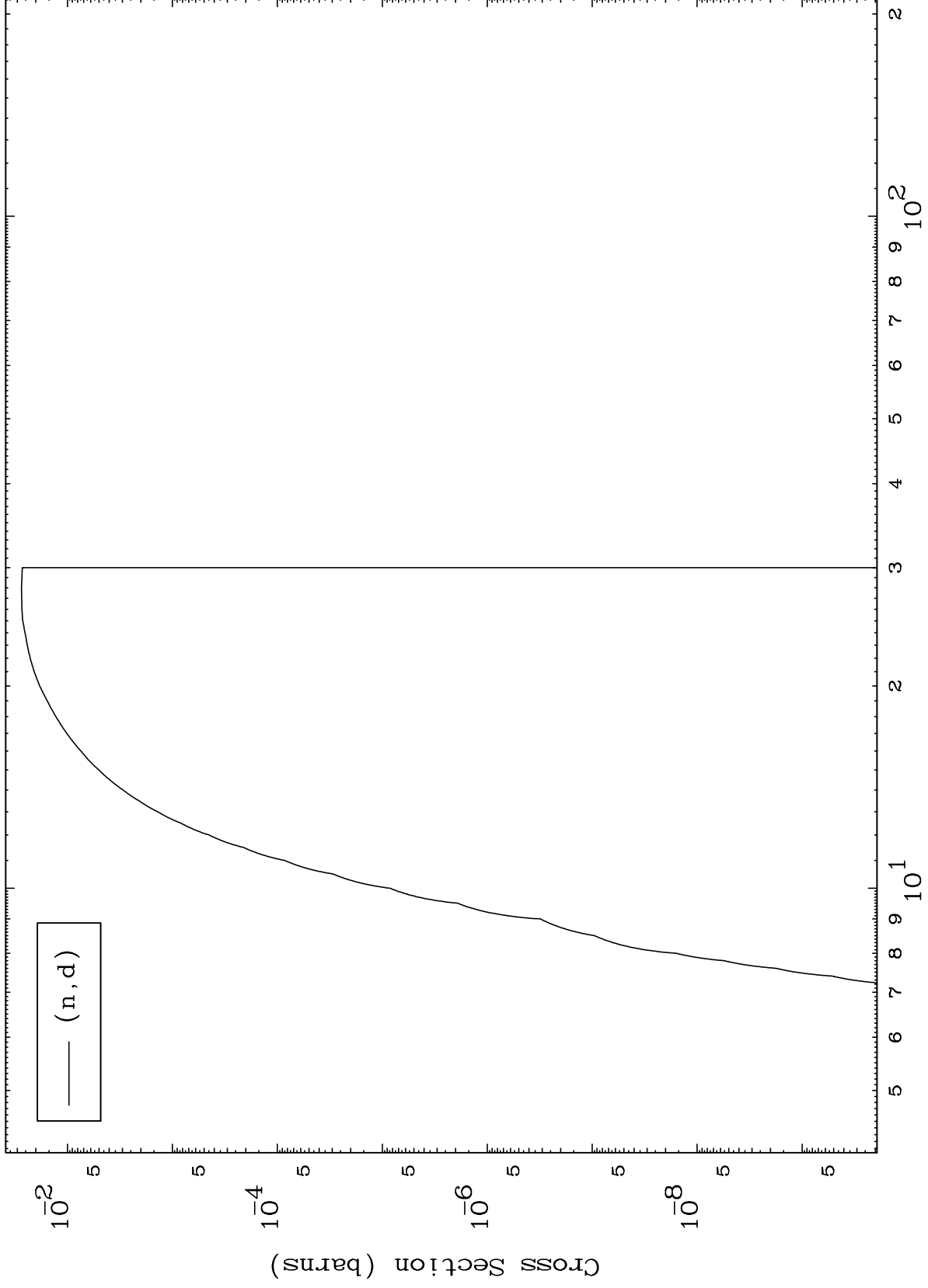
54-Xe-123



MAT 5422

(n,d) Levels  
293 Kelvin Cross Sections

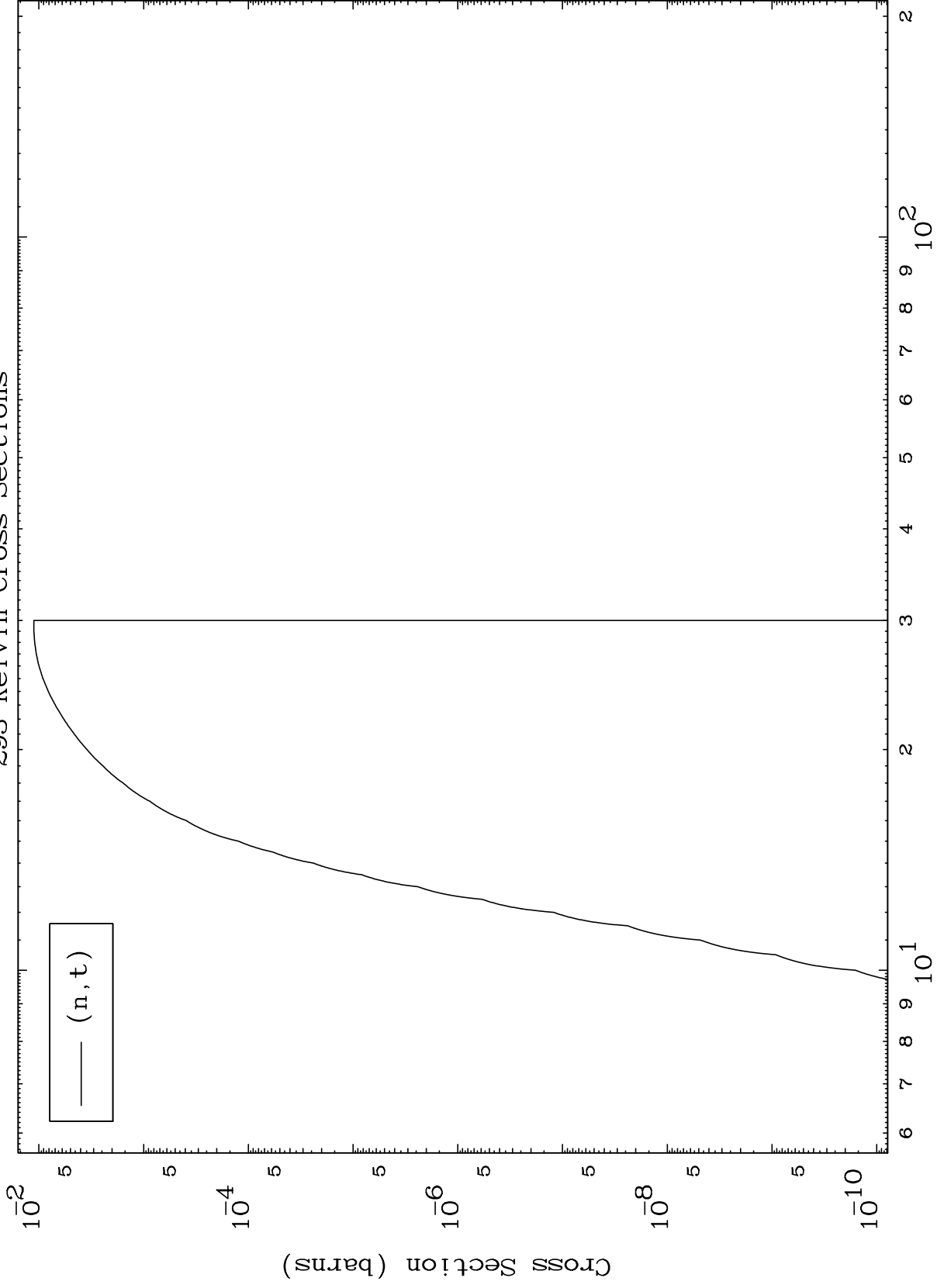
54-Xe-123



MAT 5422

(n, t) Levels  
293 Kelvin Cross Sections

54-Xe-123



12

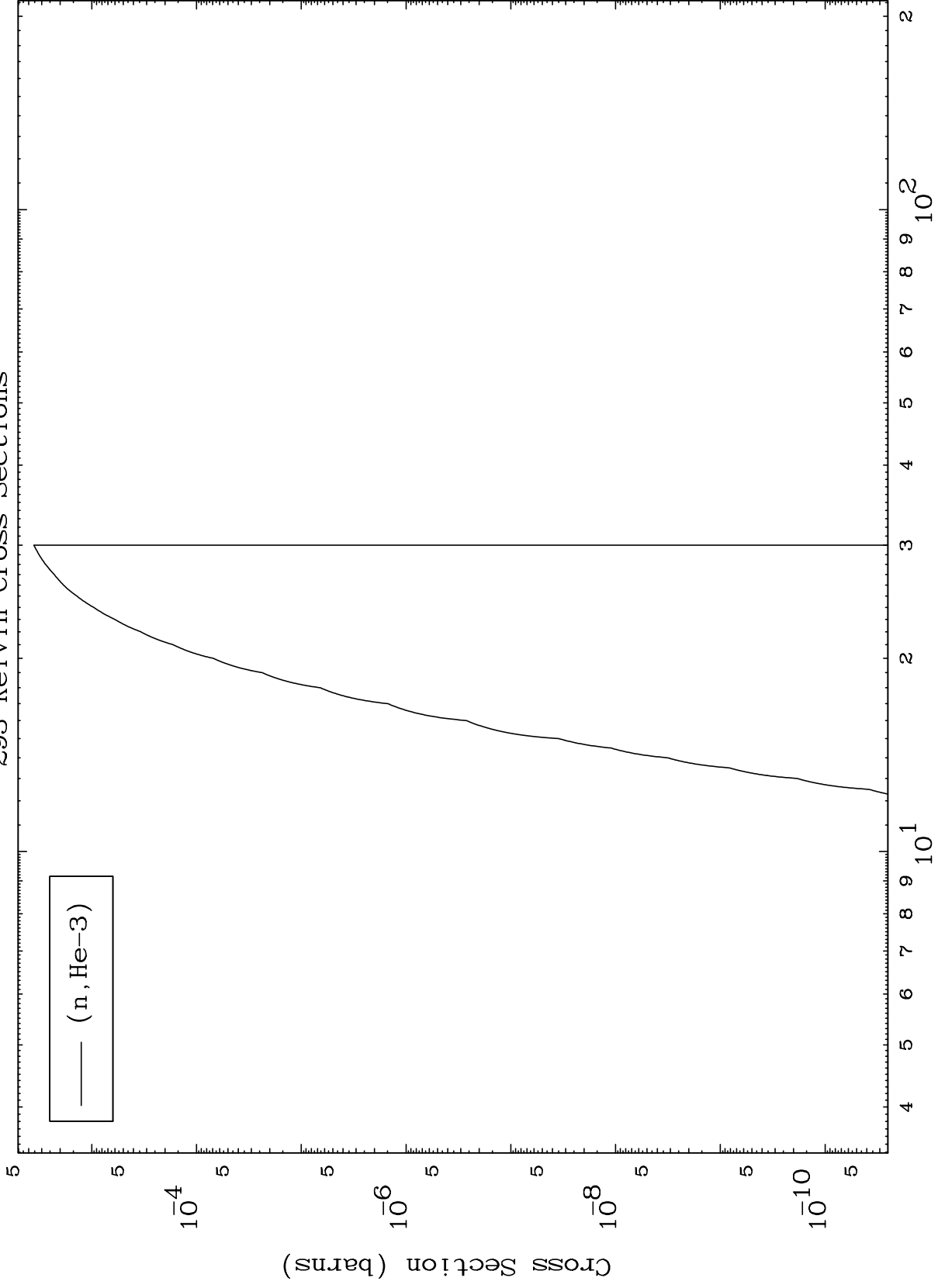
Incident Energy (MeV)

54-Xe-123

MAT 5422

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-123



13

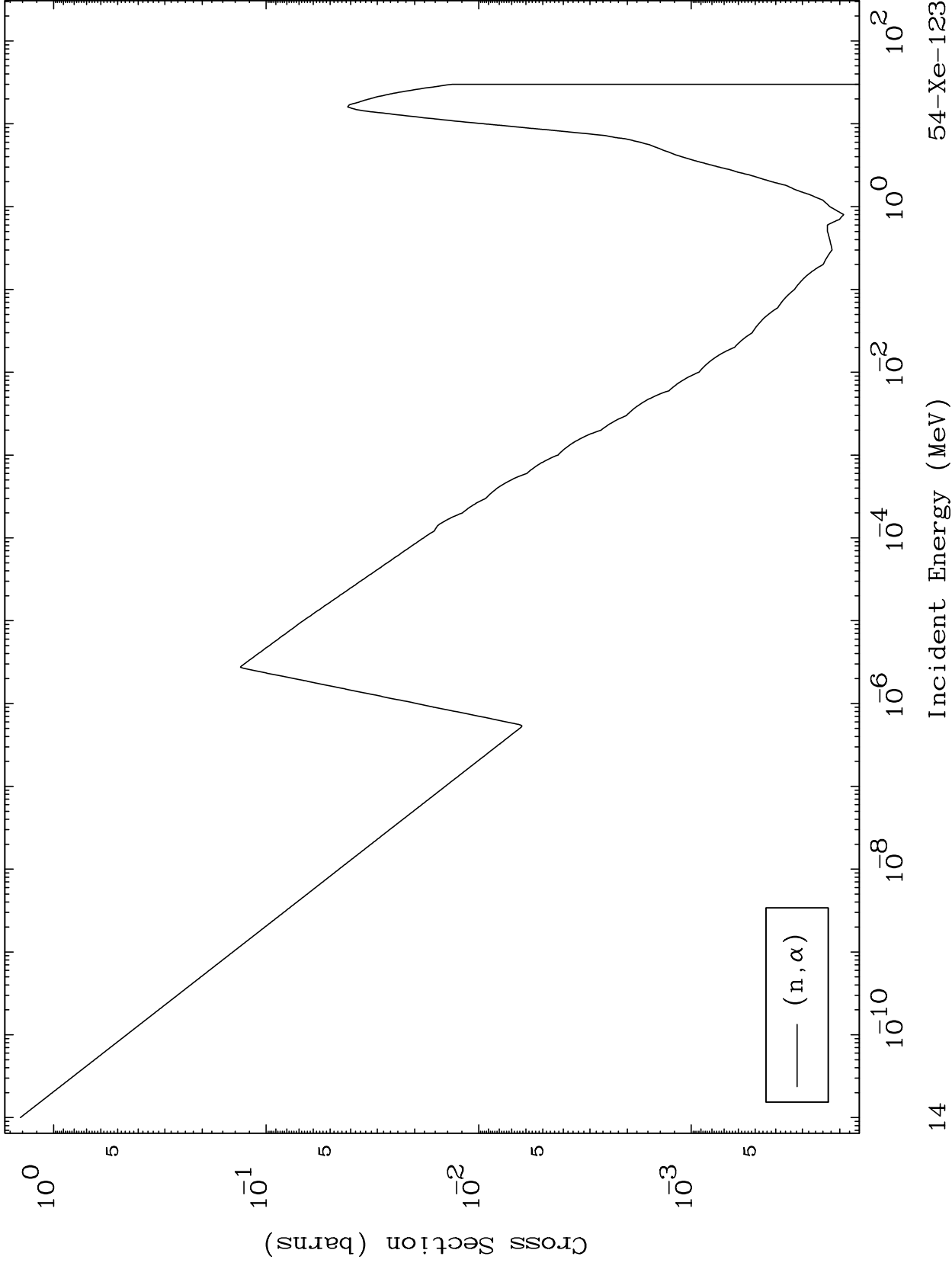
Incident Energy (MeV)

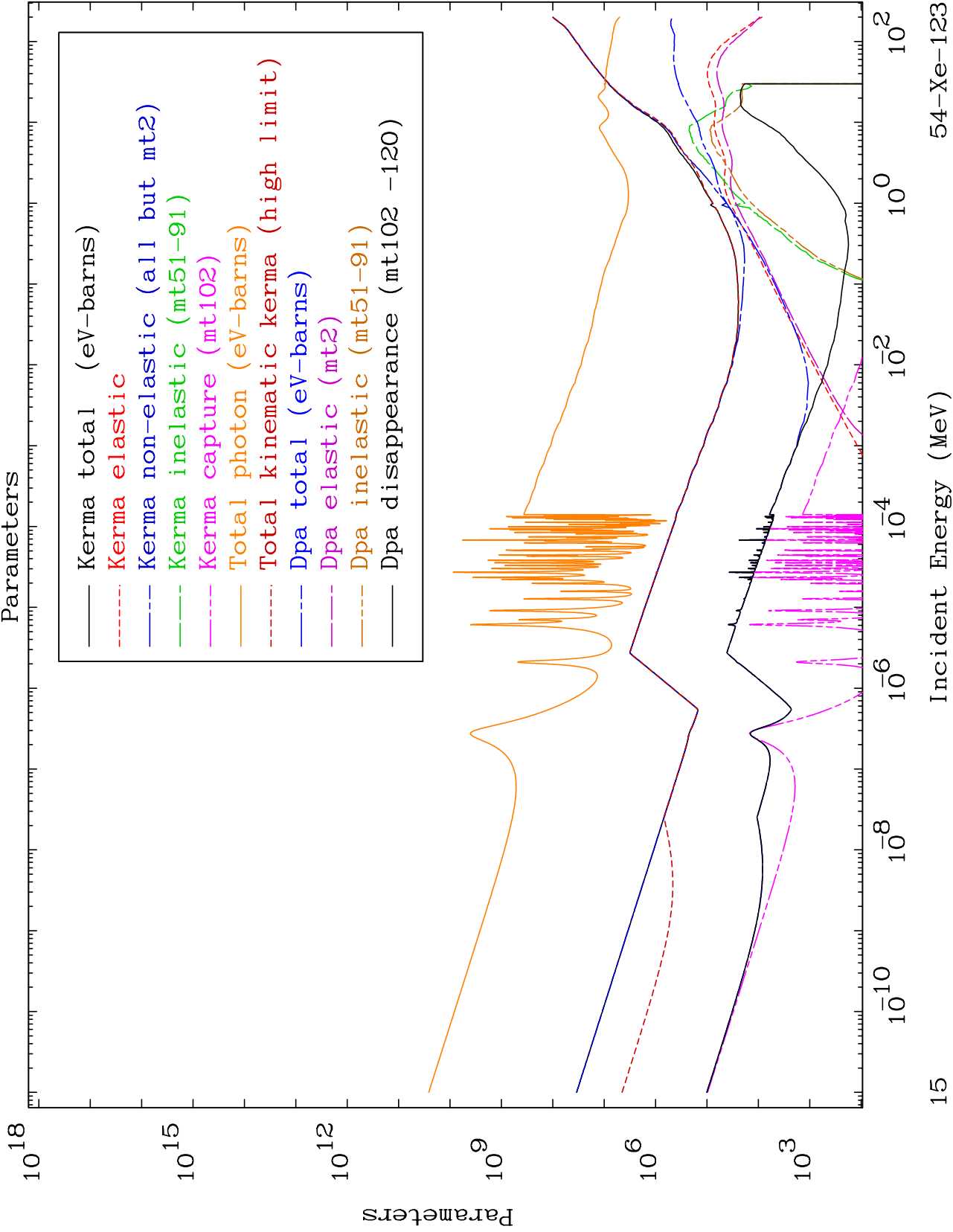
54-Xe-123

MAT 5422

(n,α) Levels  
293 Kelvin Cross Sections

54-Xe-123



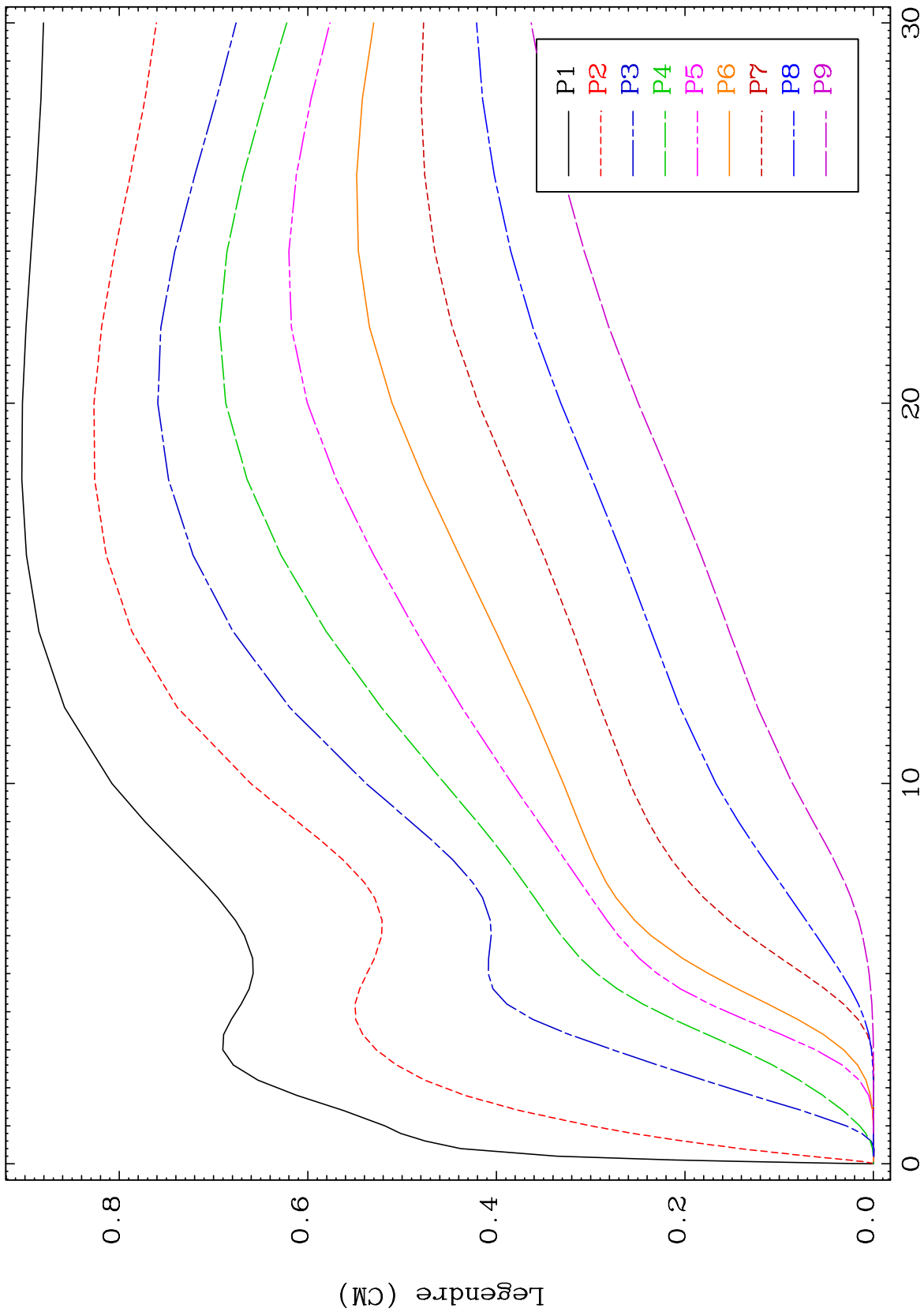




MAT 5422

54-Xe-123

Elastic Legendre Coefficients



16

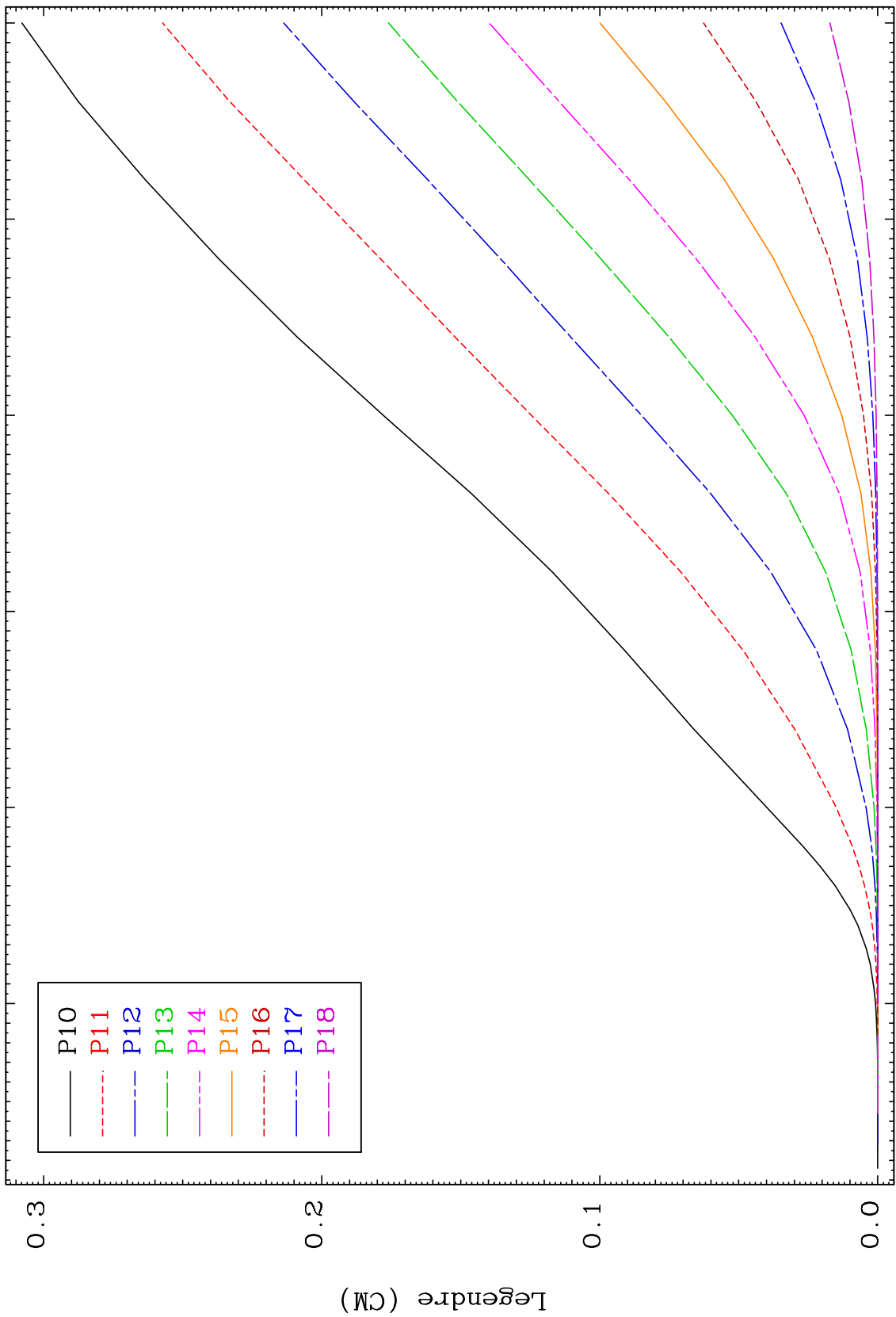
Incident Energy (MeV)

54-Xe-123

MAT 5422

Elastic Legendre Coefficients

54-Xe-123



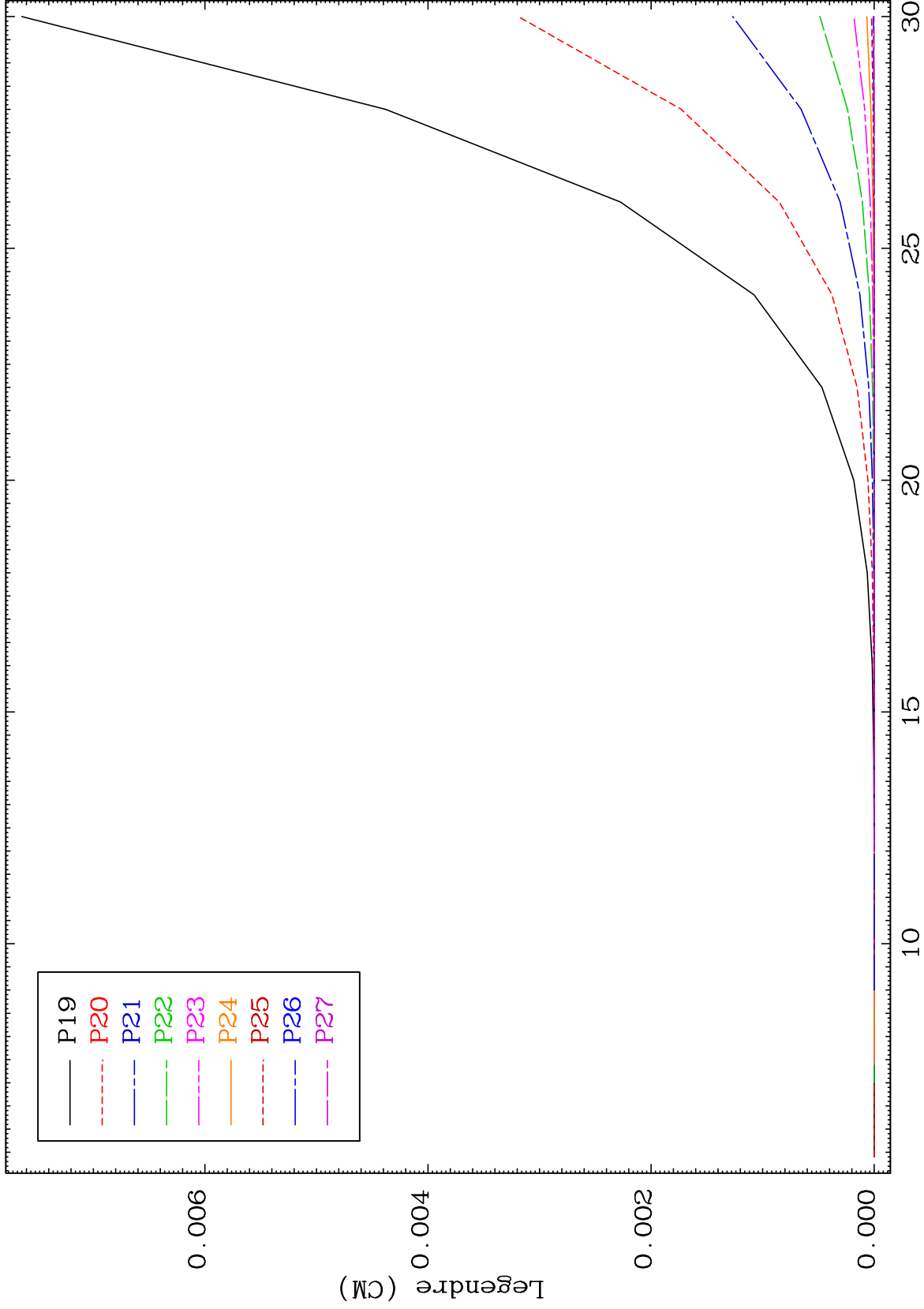
17

54-Xe-123

MAT 5422

Elastic Legendre Coefficients

54-Xe-123



18

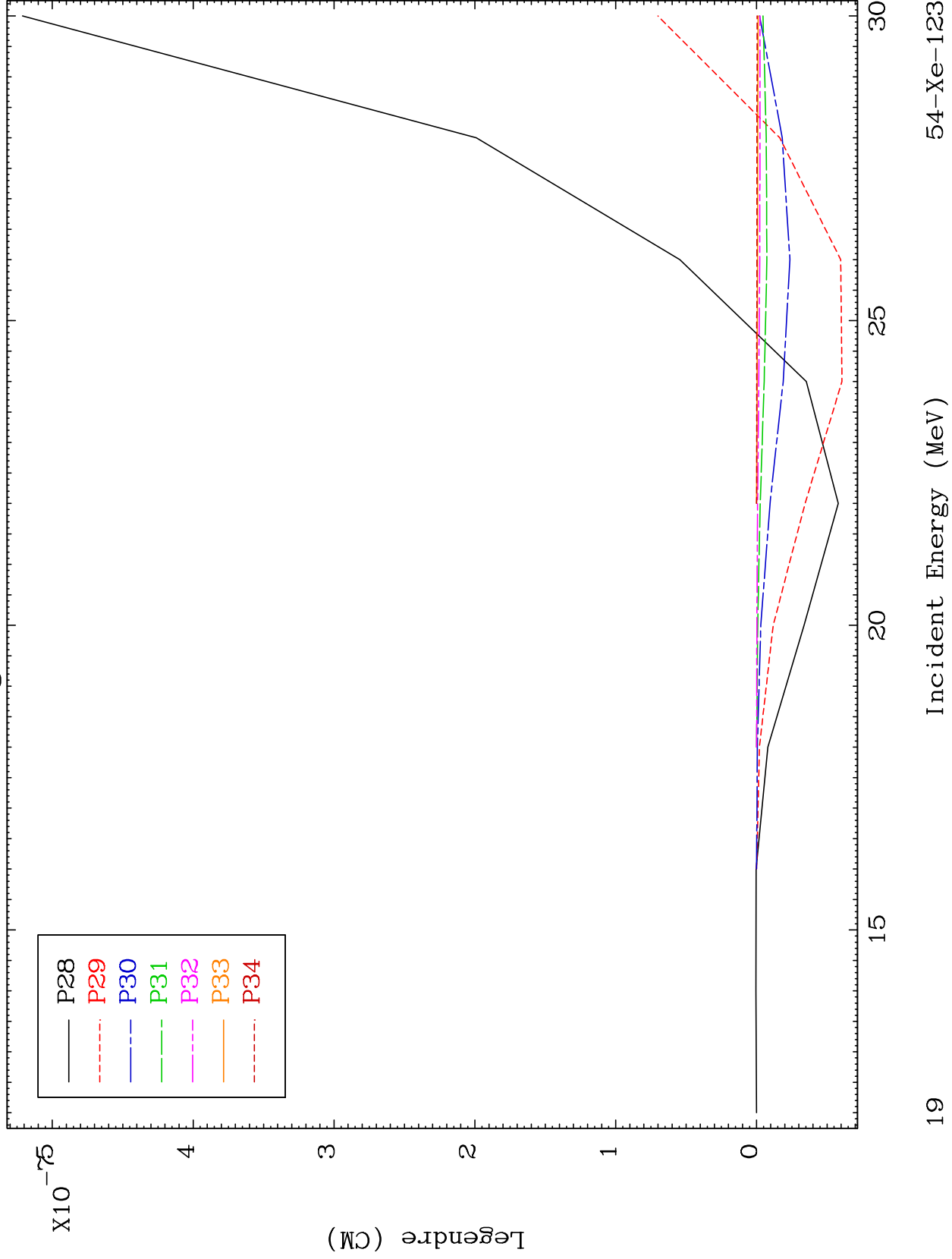
Incident Energy (MeV)

54-Xe-123

MAT 5422

Elastic Legendre Coefficients

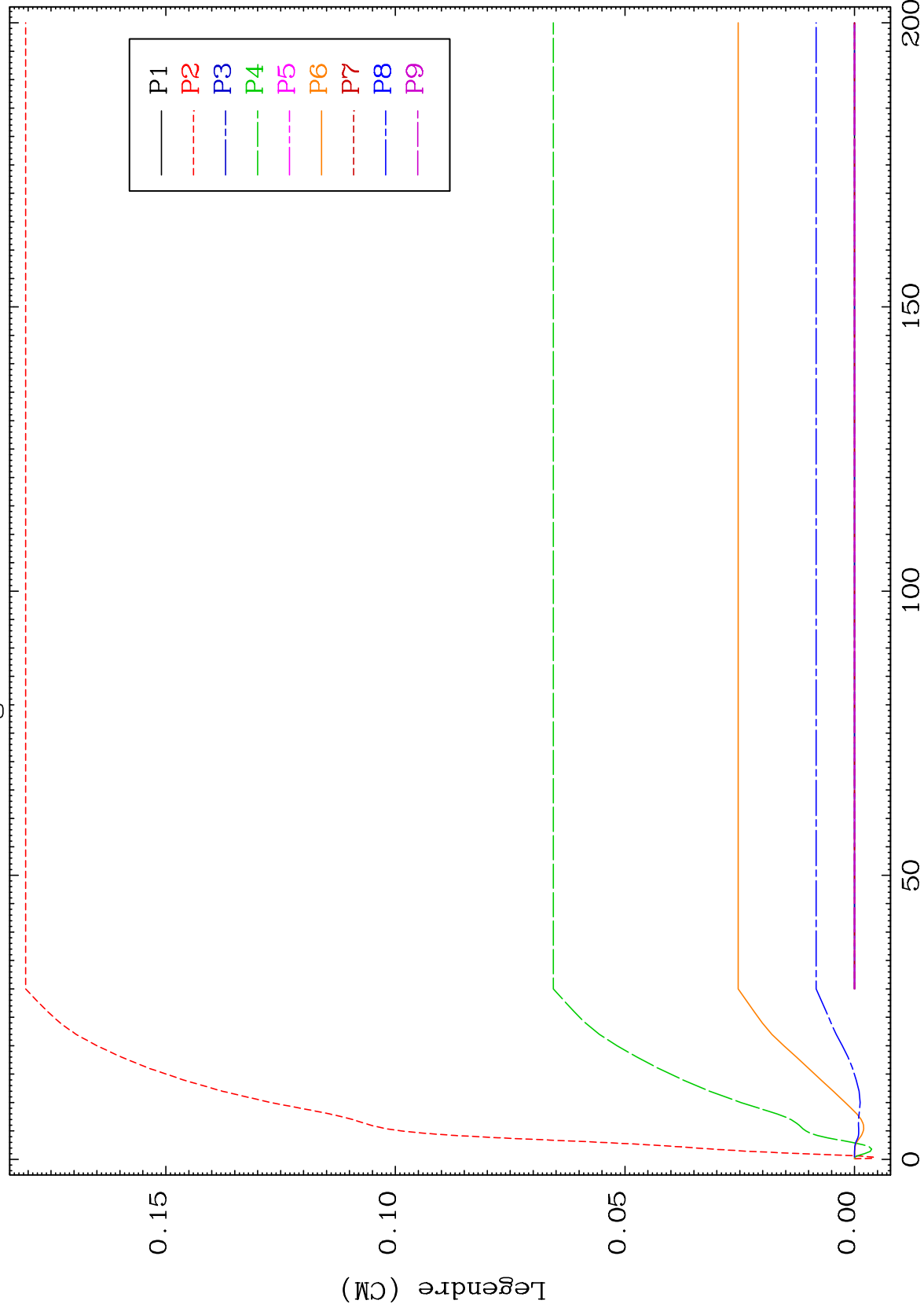
54-Xe-123

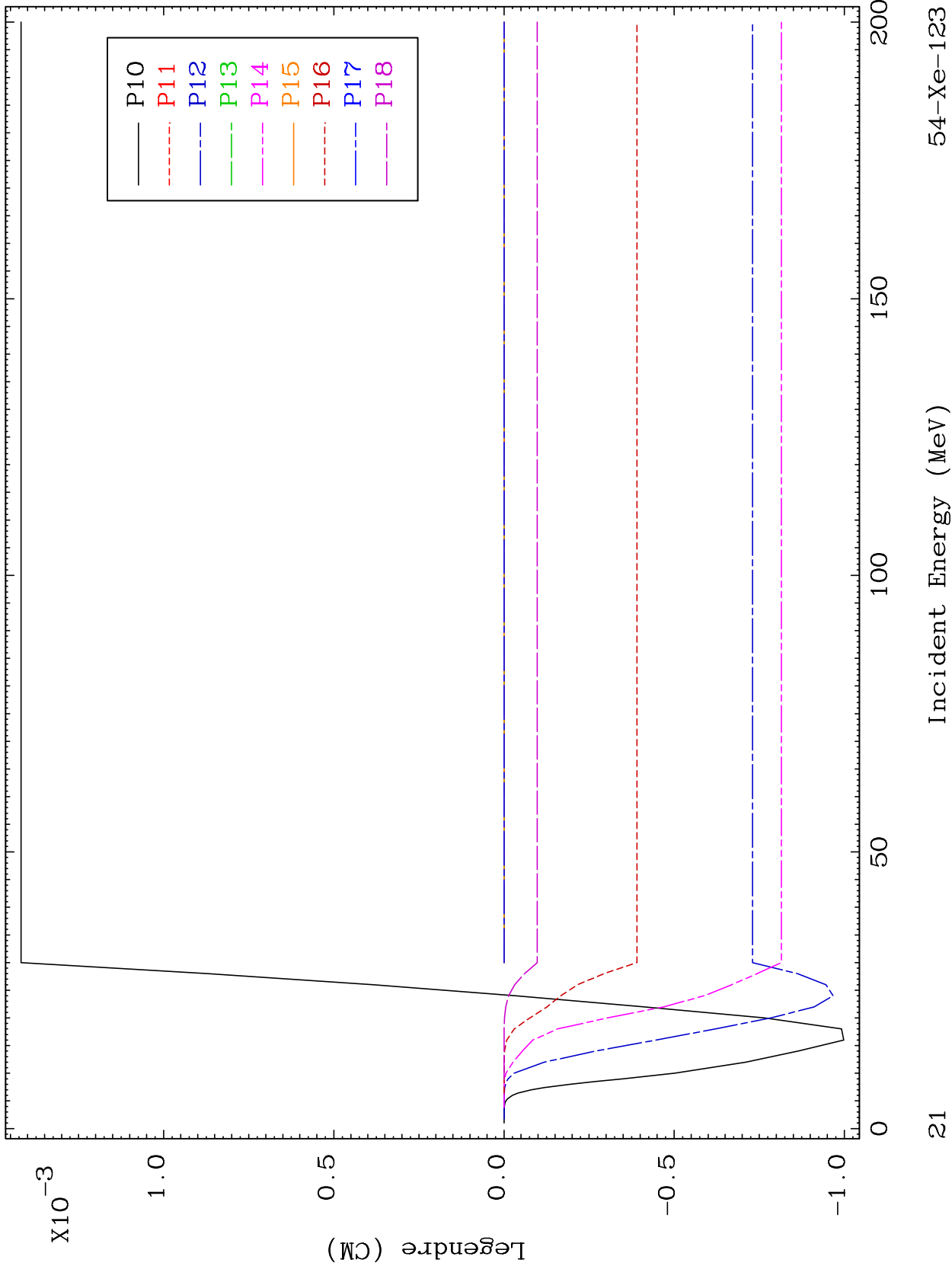


MAT 5422

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

54-Xe-123

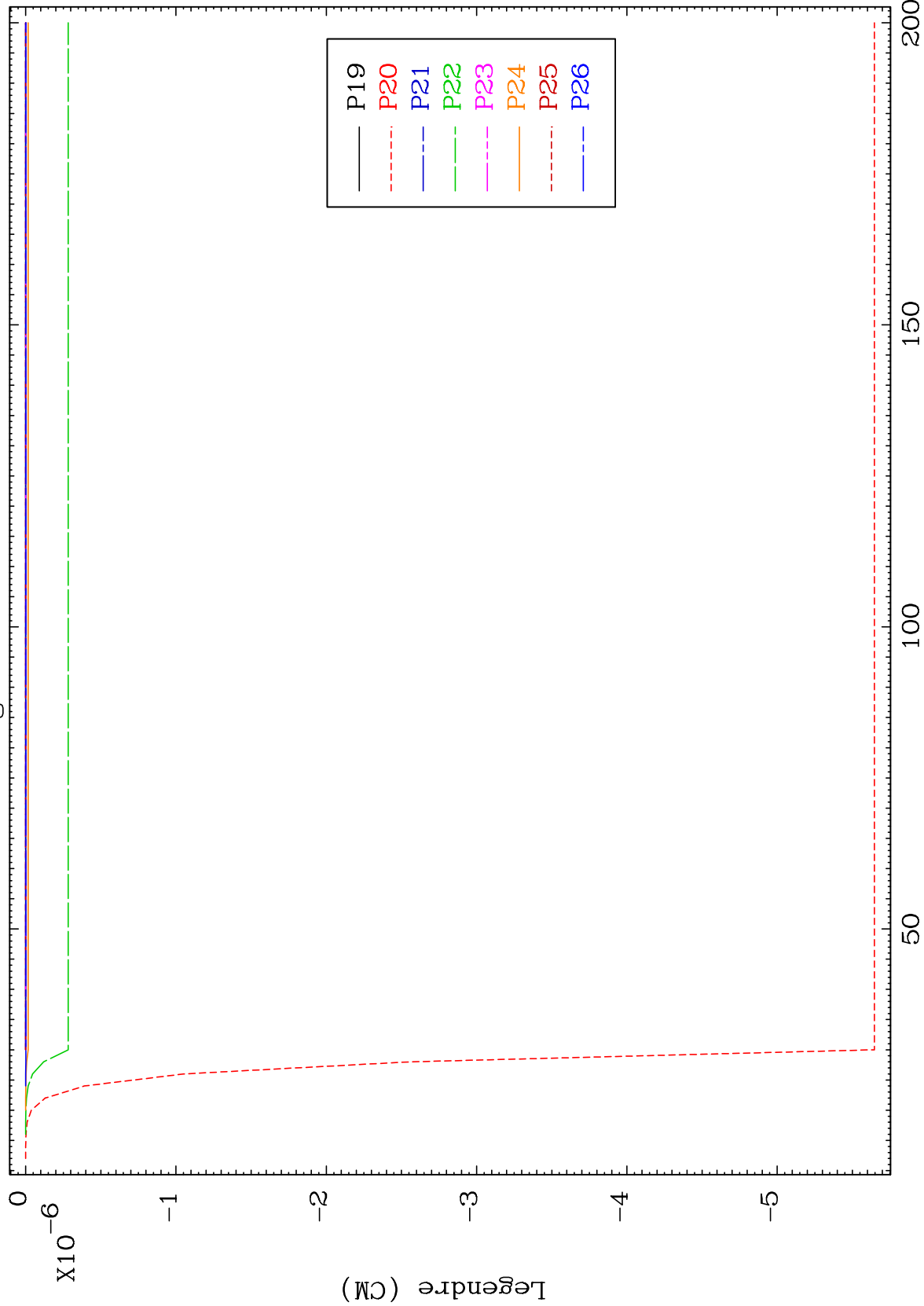




MAT 5422

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

54-Xe-123



22

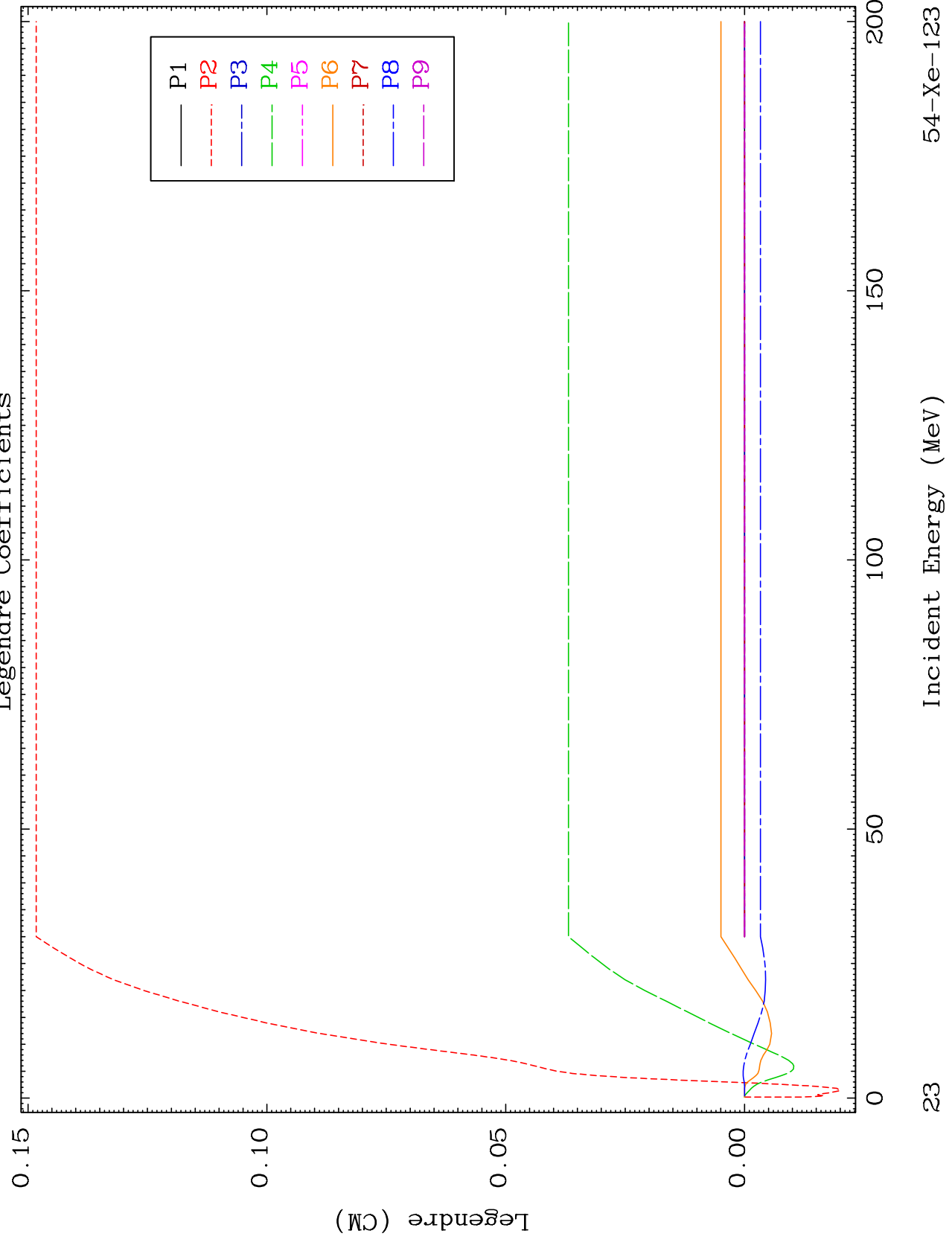
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

Incident Energy (MeV)

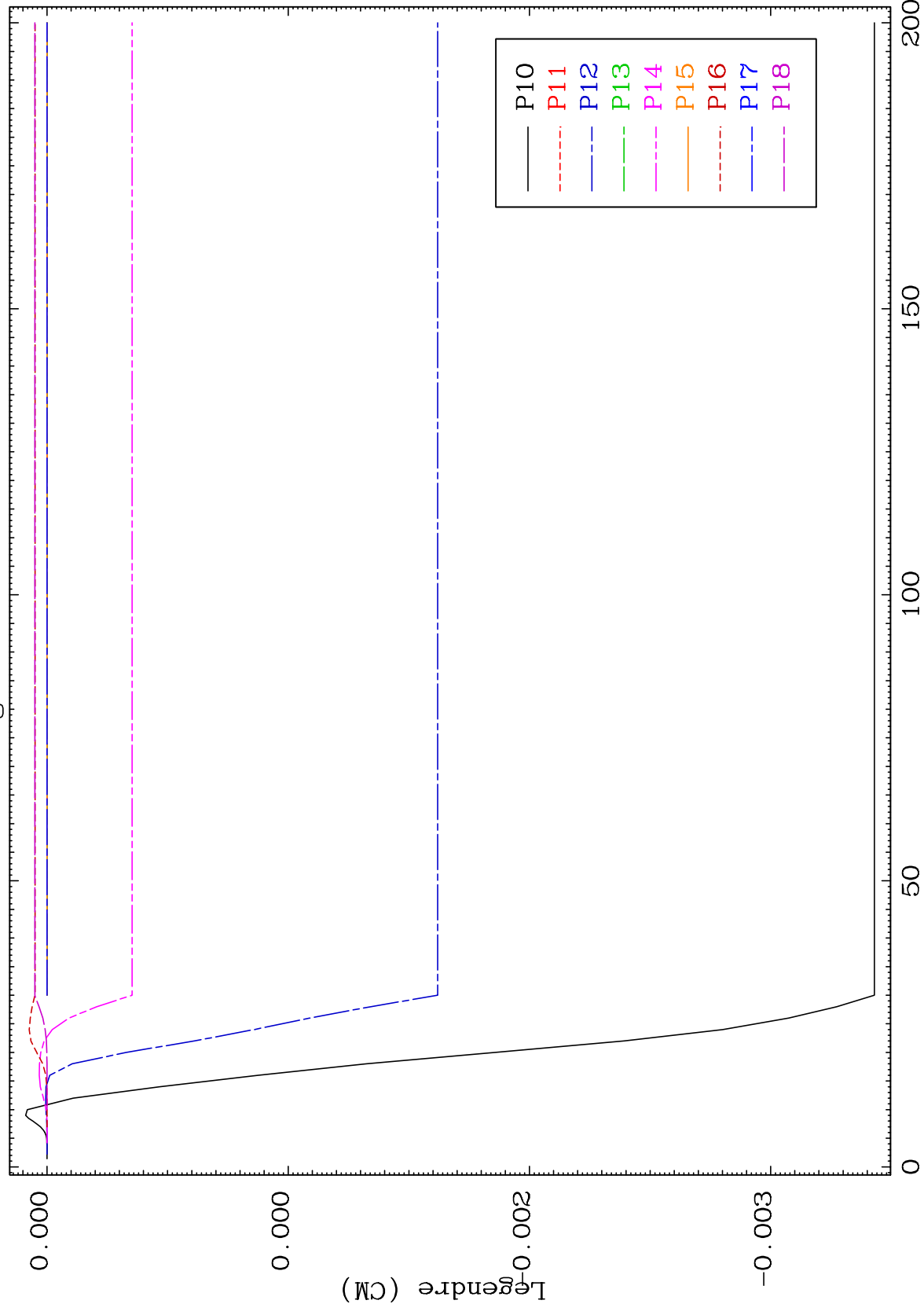
23



MAT 5422

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

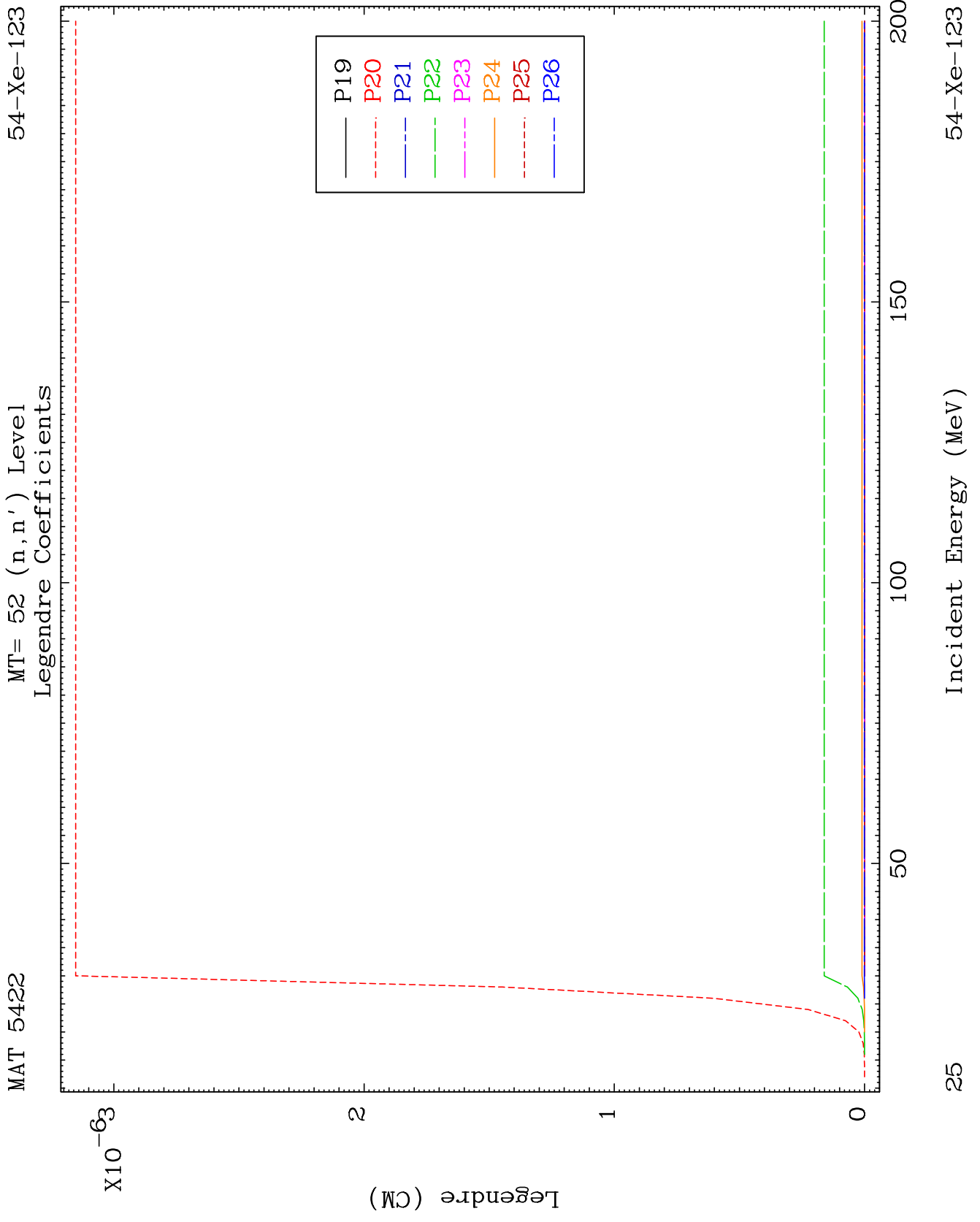
54-Xe-123



24

Incident Energy (MeV)

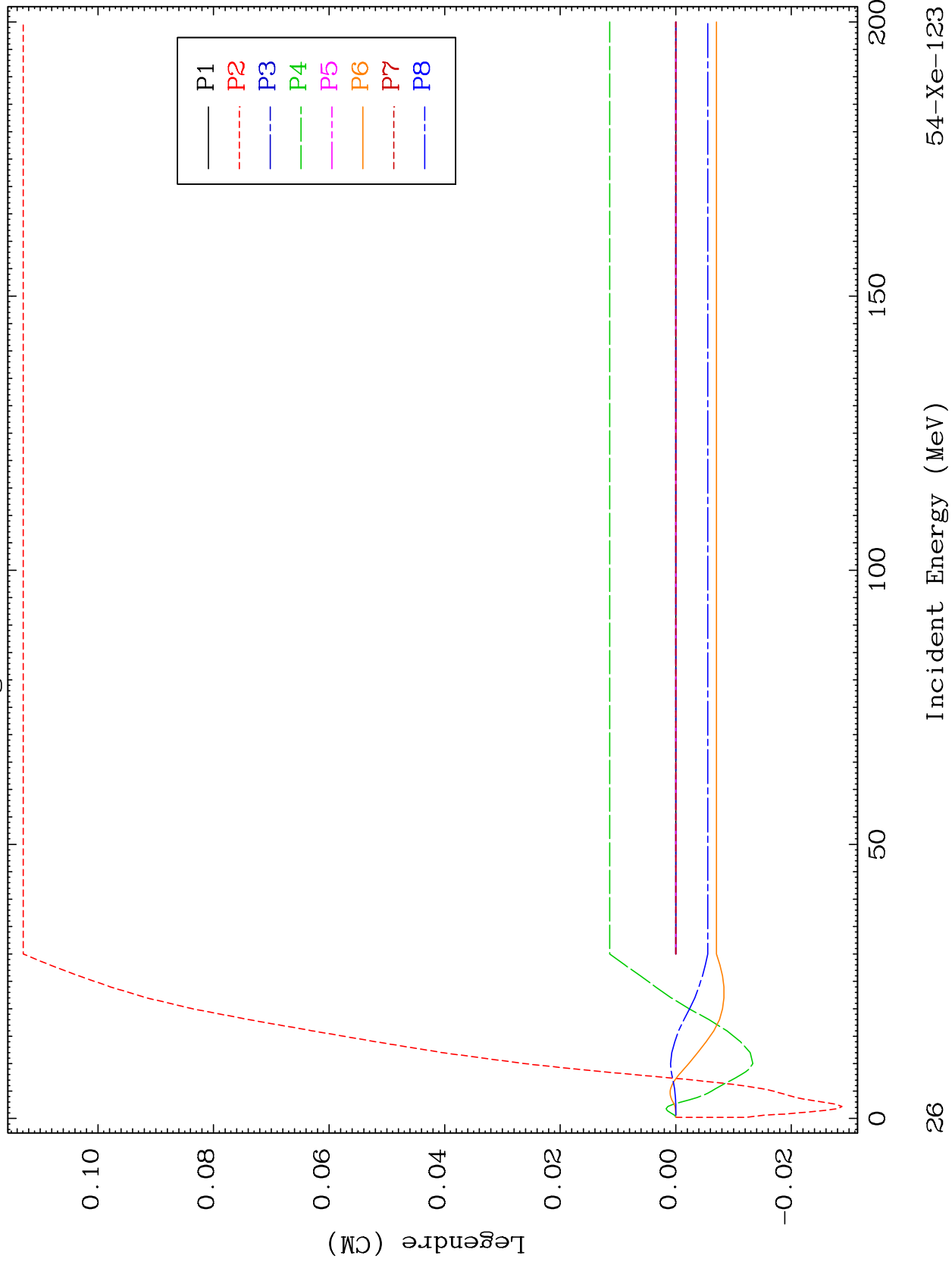
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

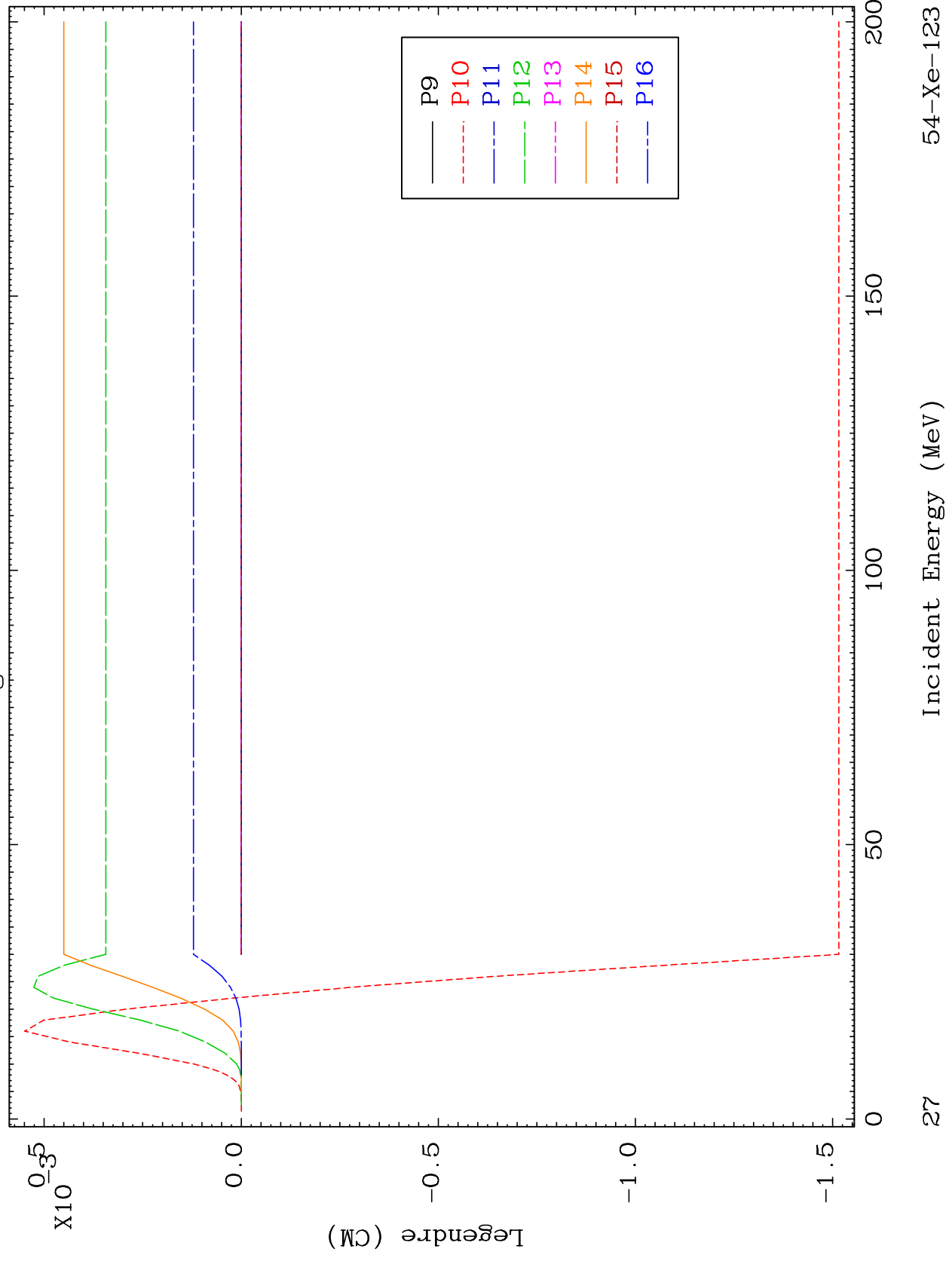
Incident Energy (MeV)

26

MAT 5422

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

54-Xe-123



27

Incident Energy (MeV)

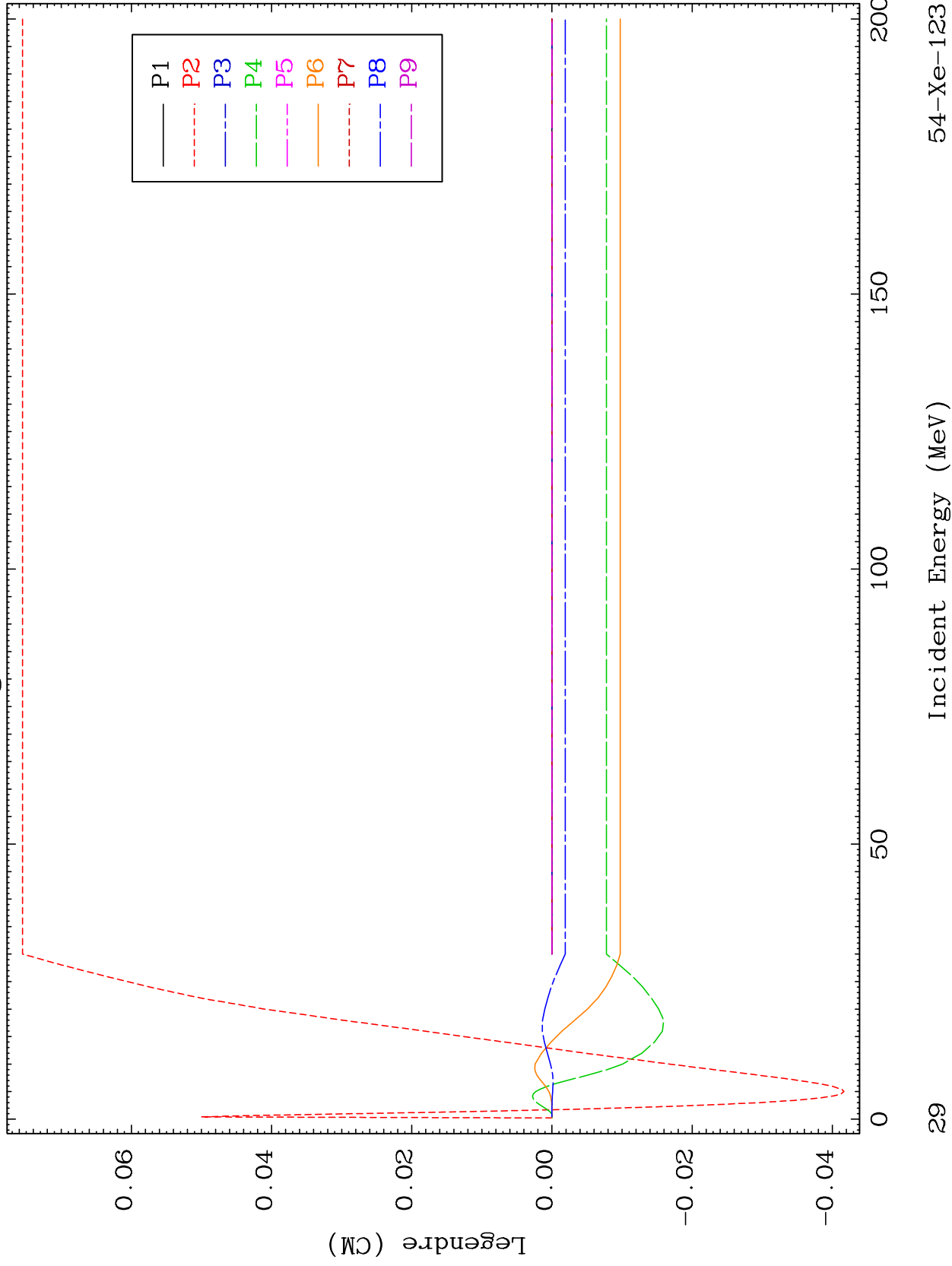
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

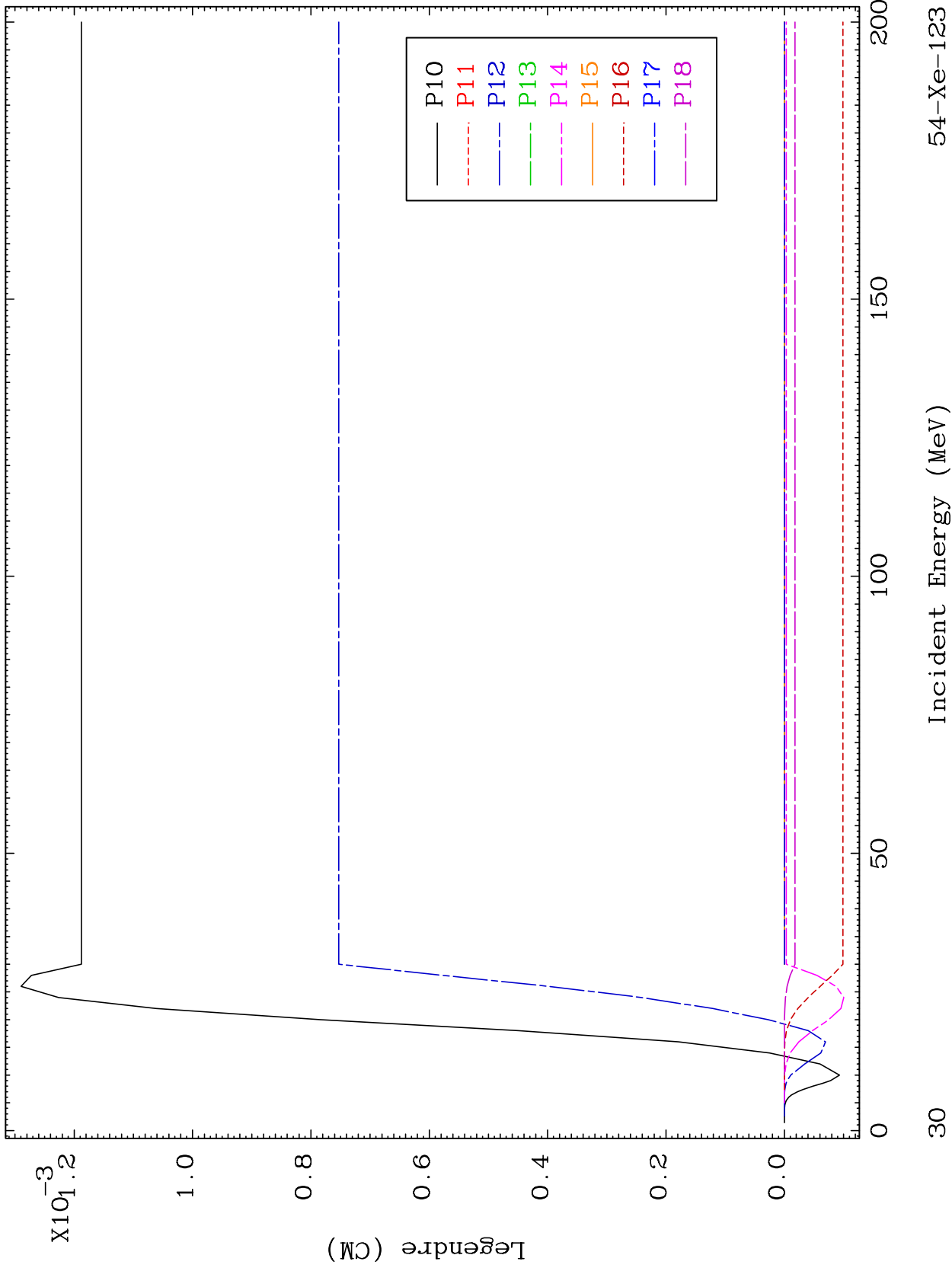
Incident Energy (MeV)

29

MAT 5422

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

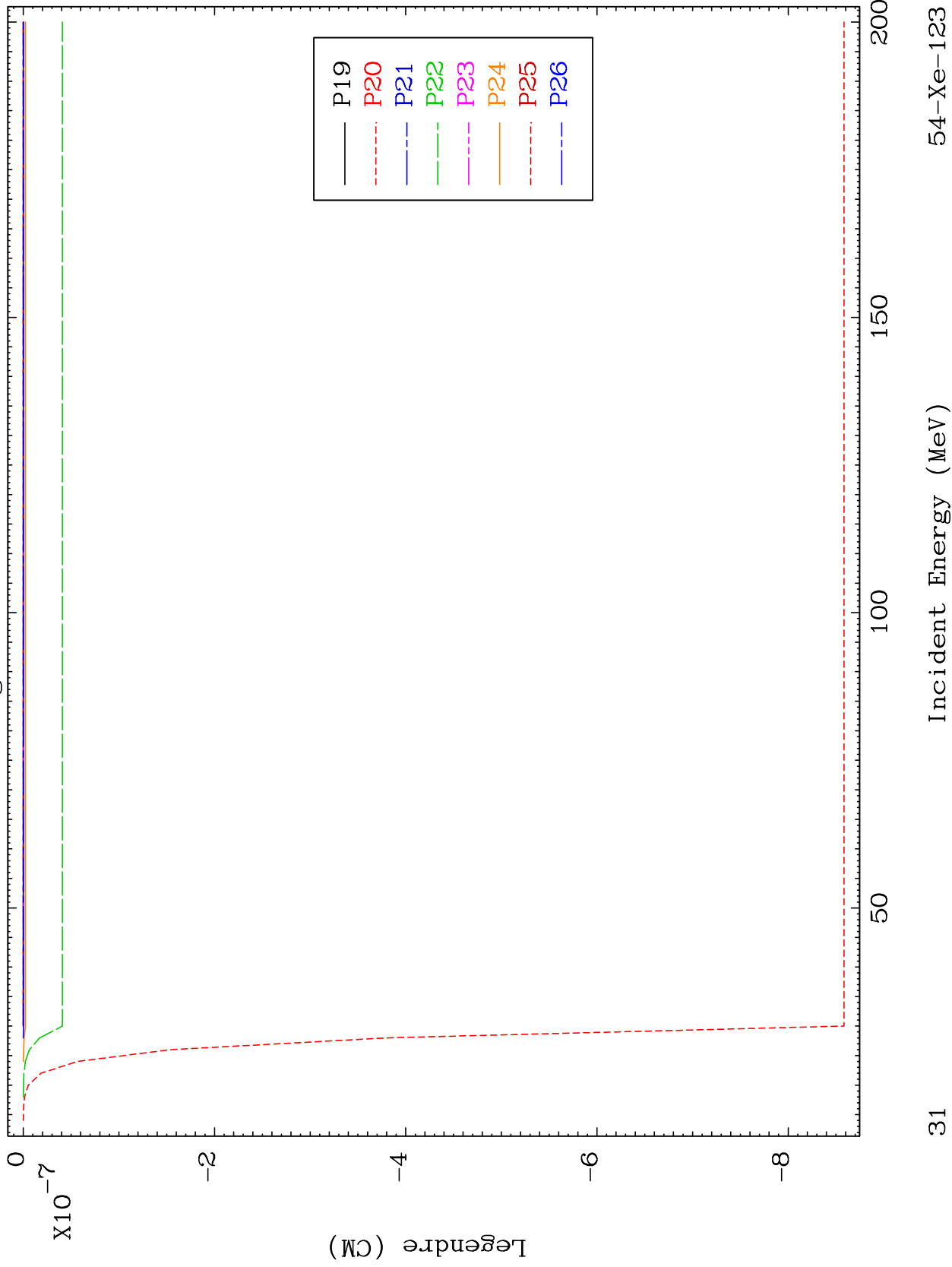
54-Xe-123



MAT 5422

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

54-Xe-123



31

Incident Energy (MeV)

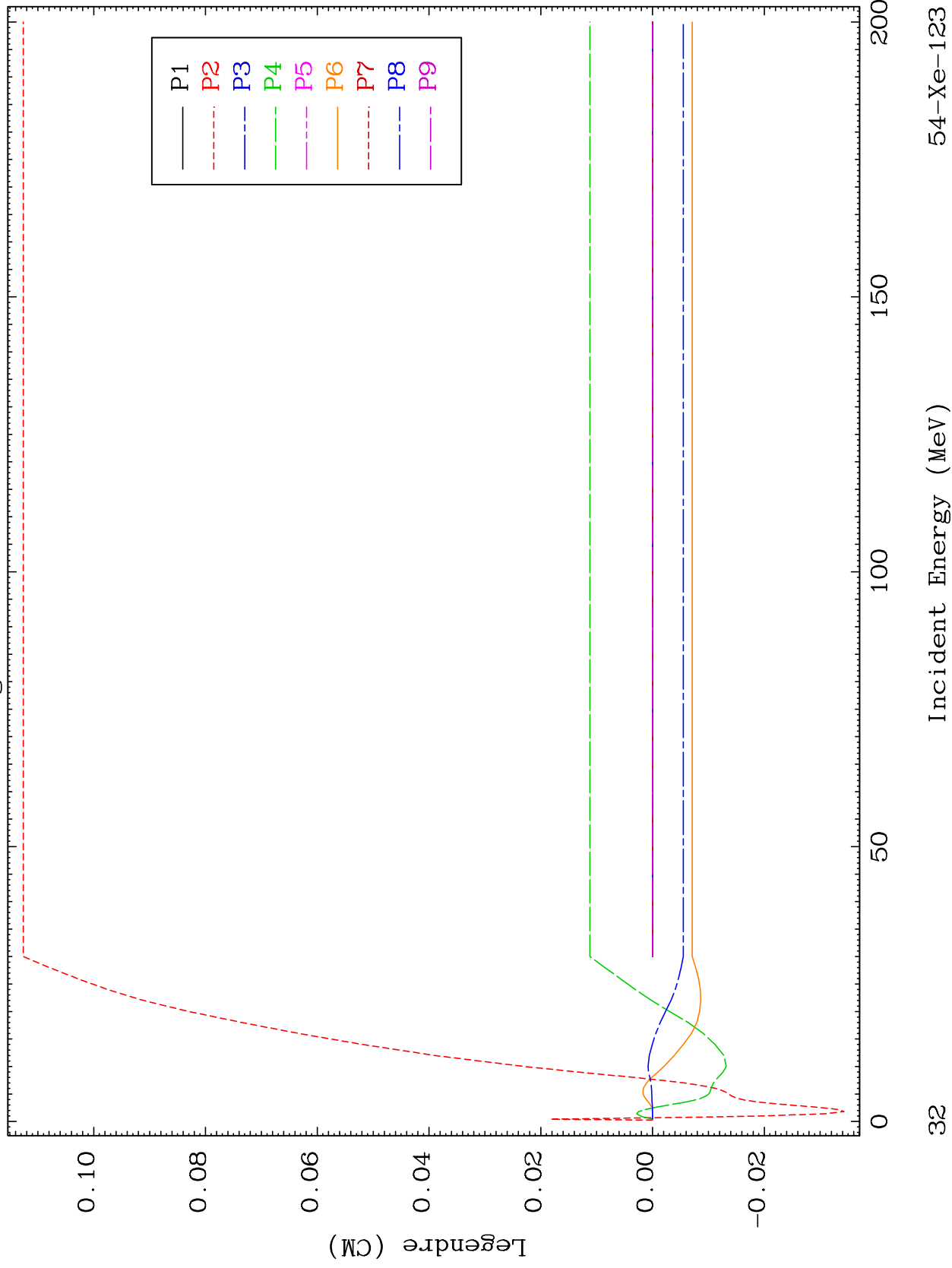
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

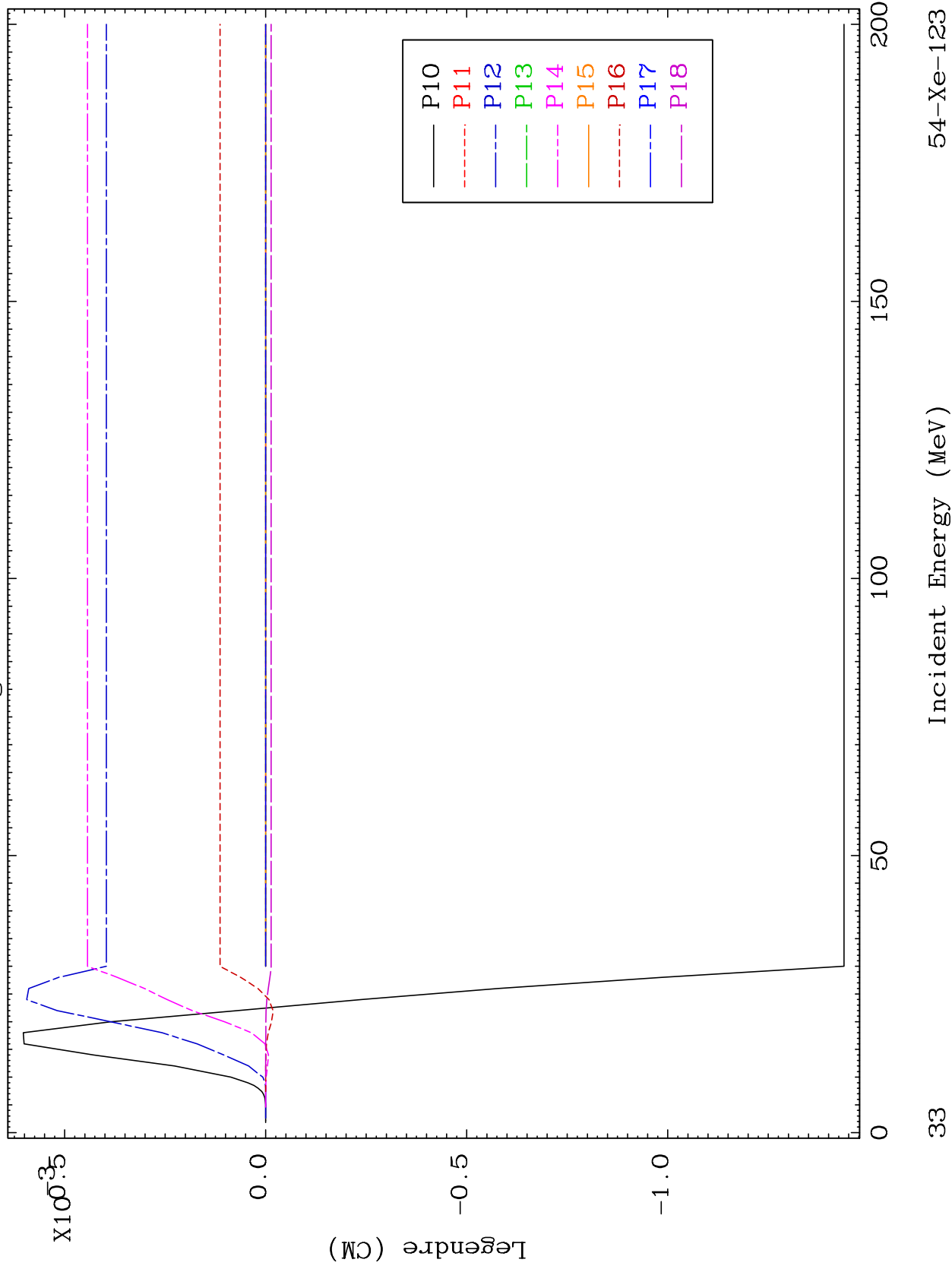
Incident Energy (MeV)

32

MAT 5422

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

54-Xe-123



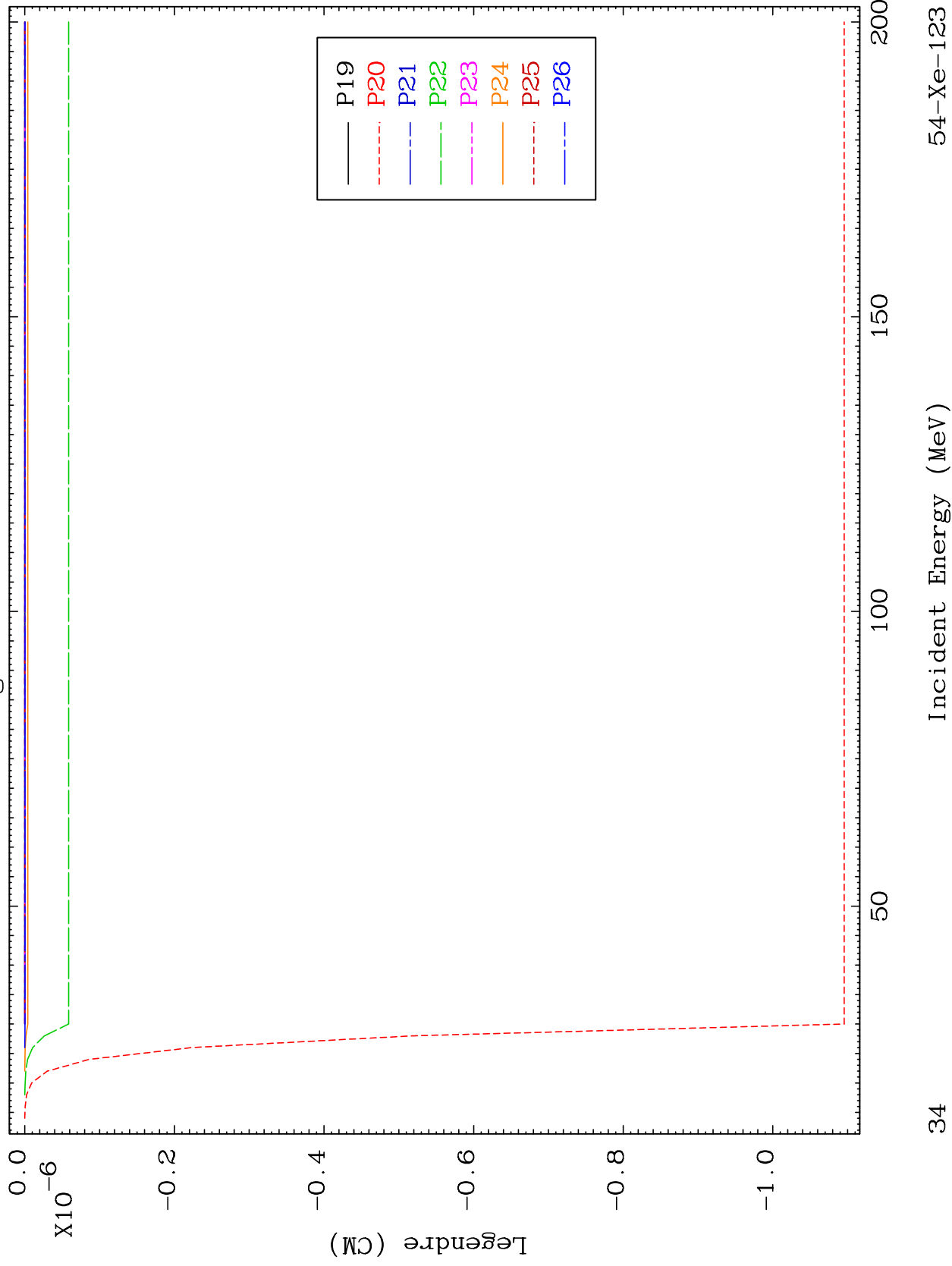
33

54-Xe-123

MAT 5422

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

54-Xe-123



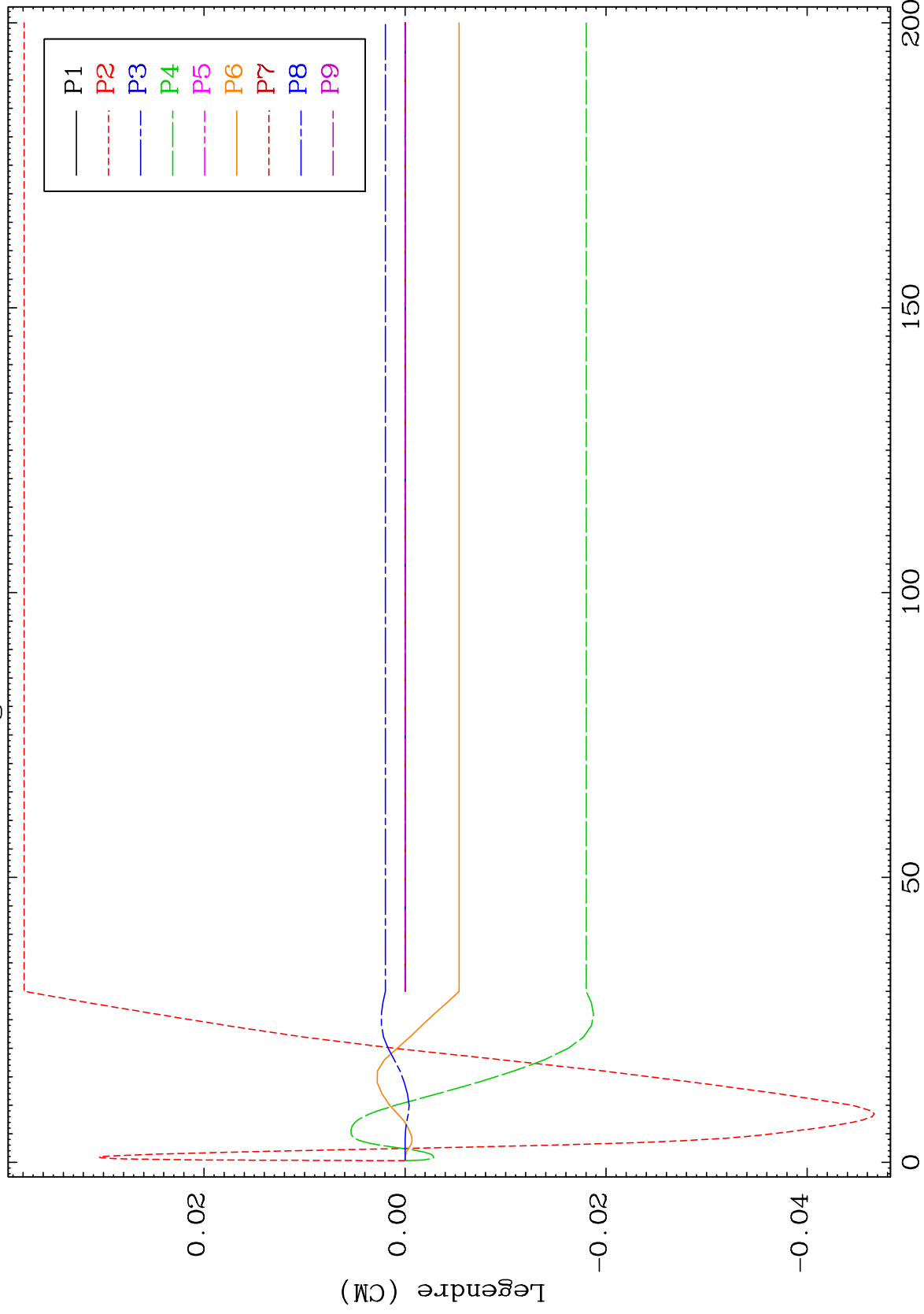
34

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

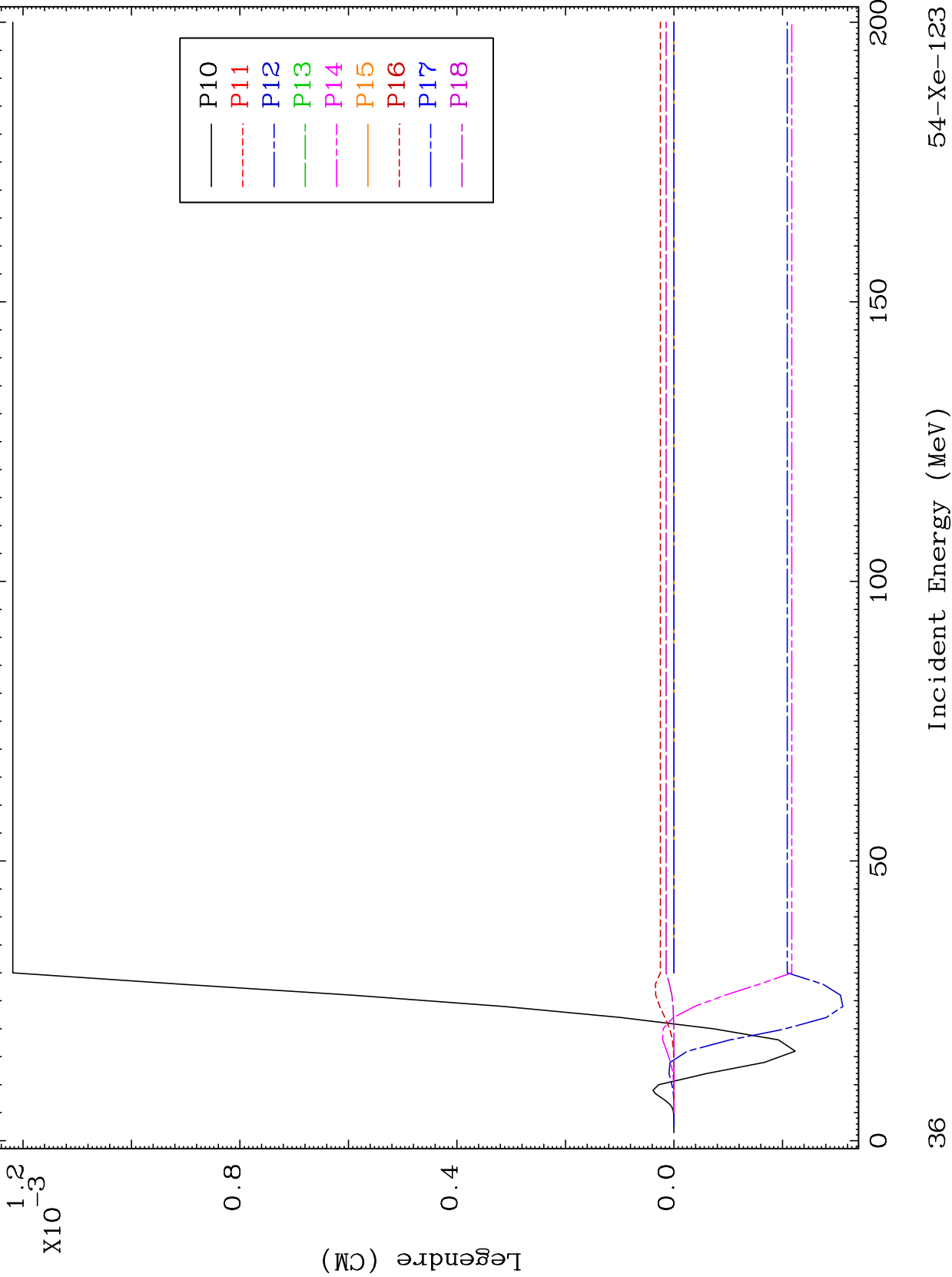
Incident Energy (MeV)

35

MAT 5422

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

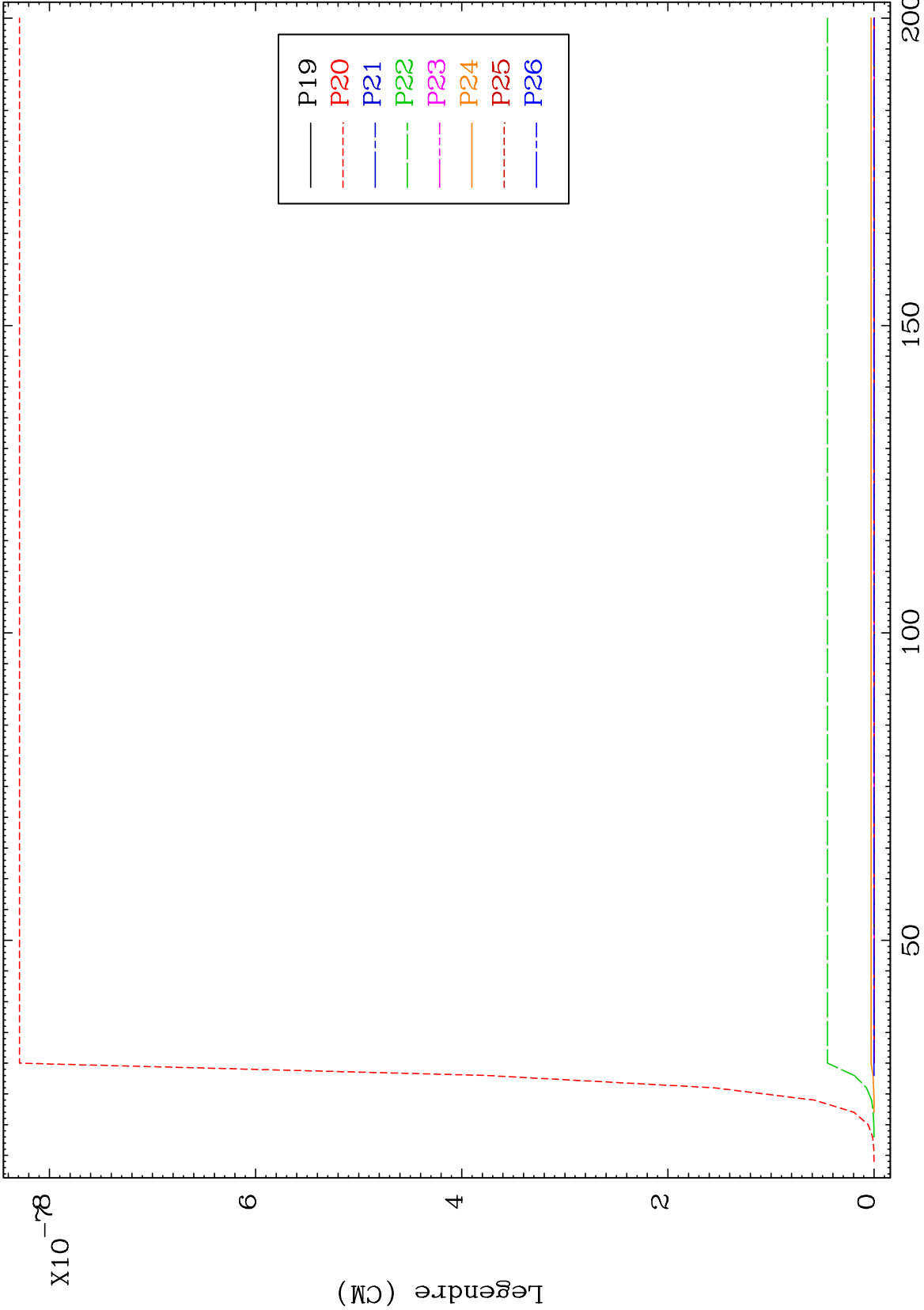
54-Xe-123



MAT 5422

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

54-Xe-123



37

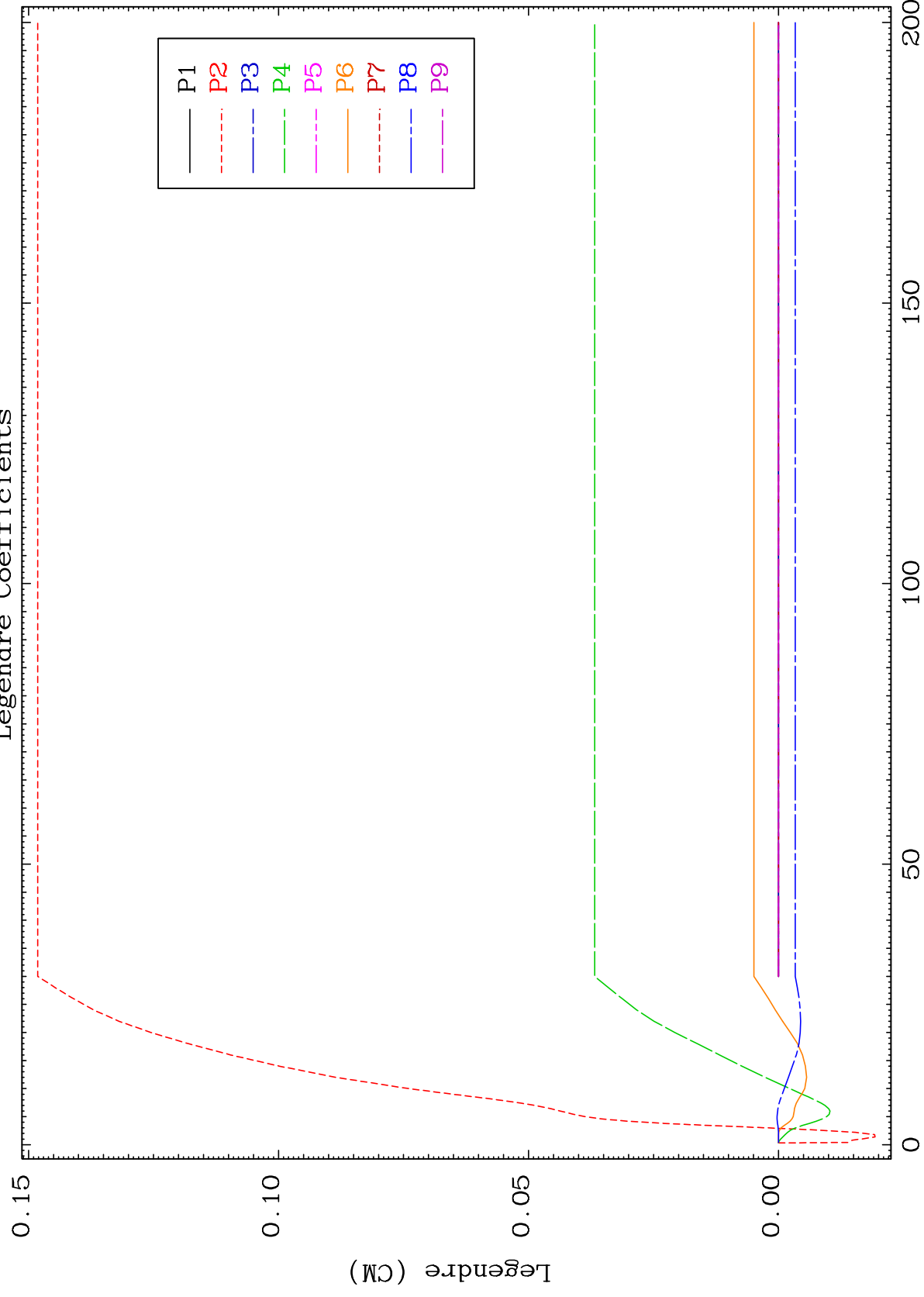
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

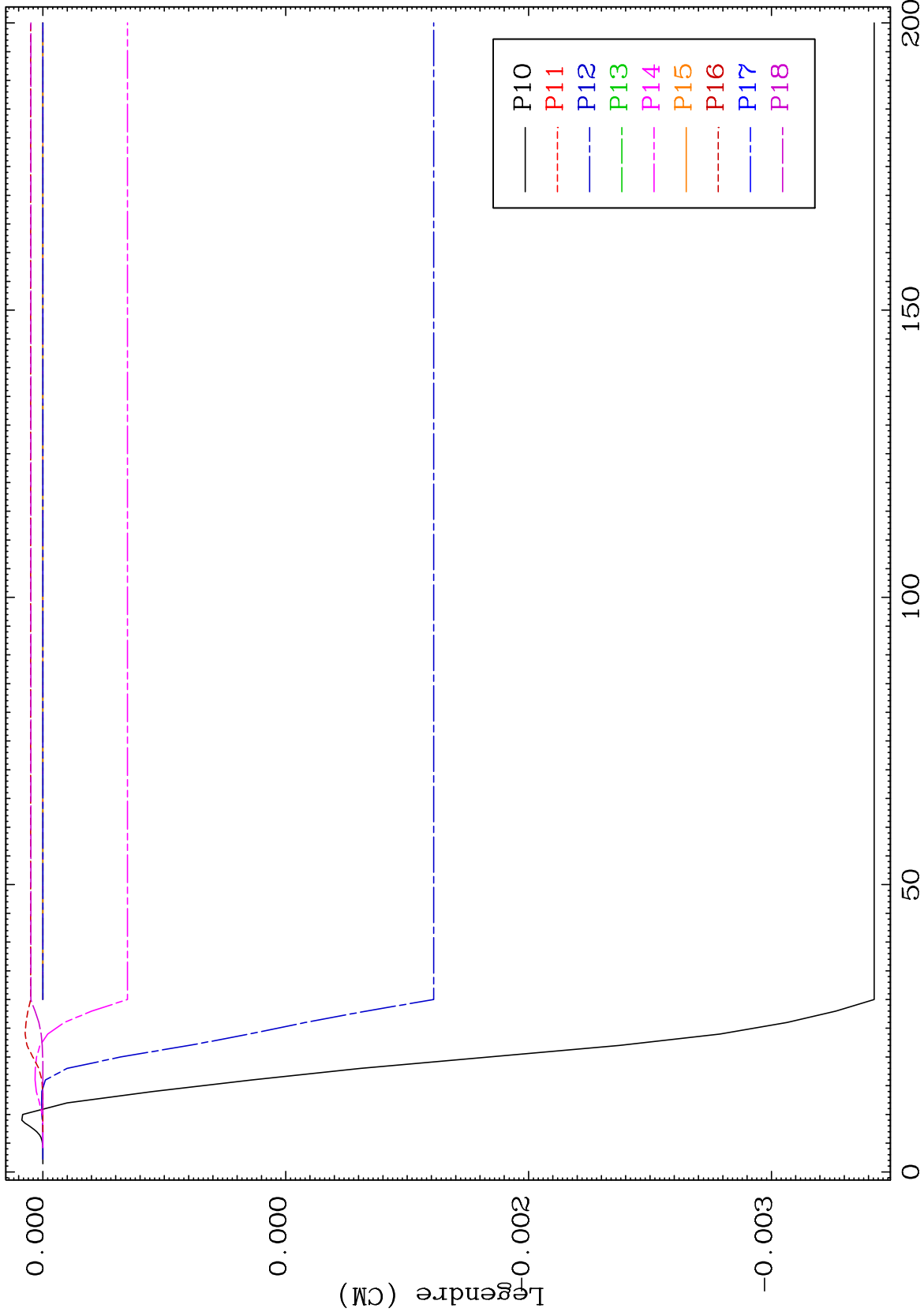
Incident Energy (MeV)

38

MAT 5422

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

54-Xe-123



39

Incident Energy (MeV)

54-Xe-123

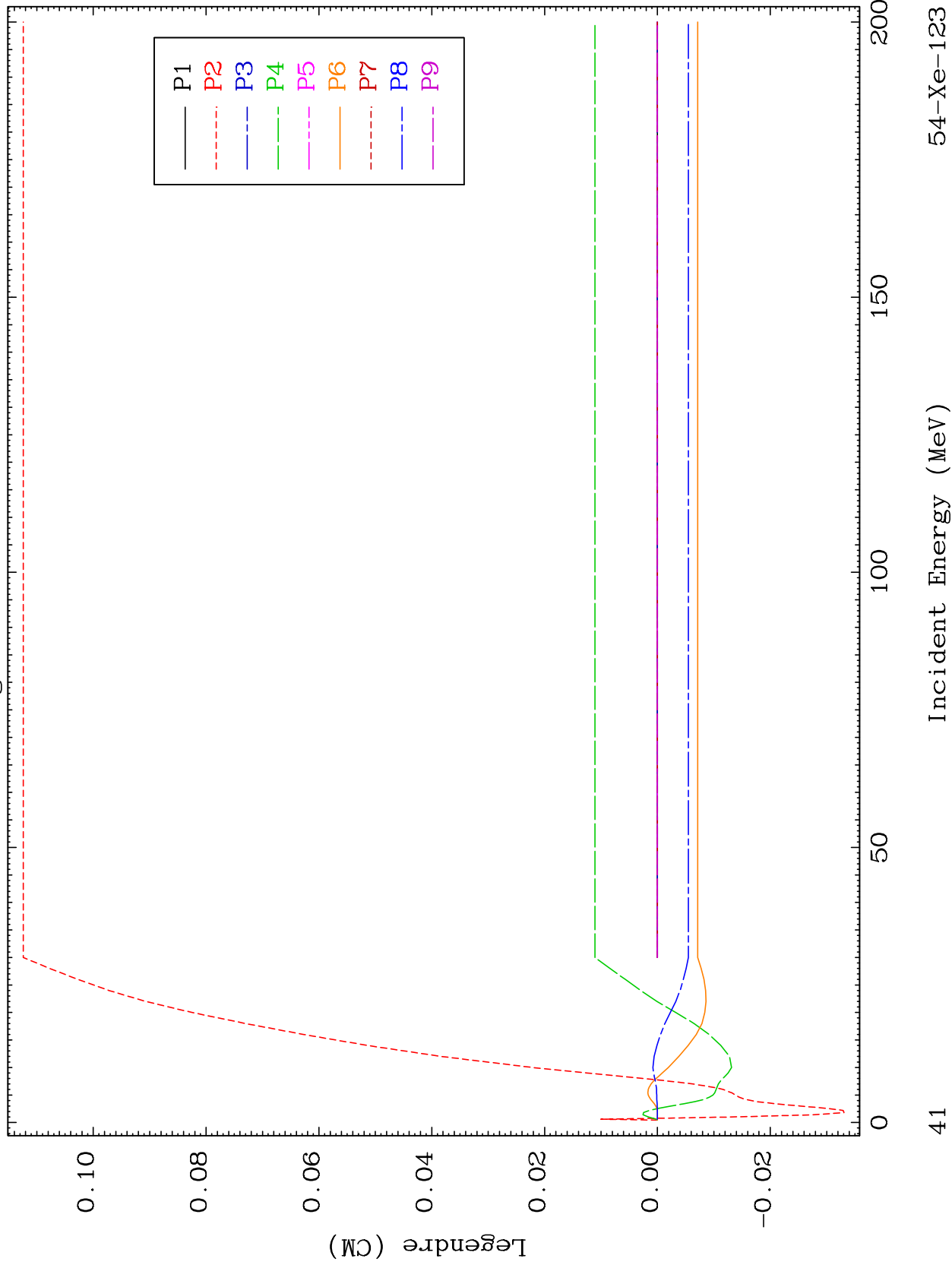




MAT 5422

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

54-Xe-123



41

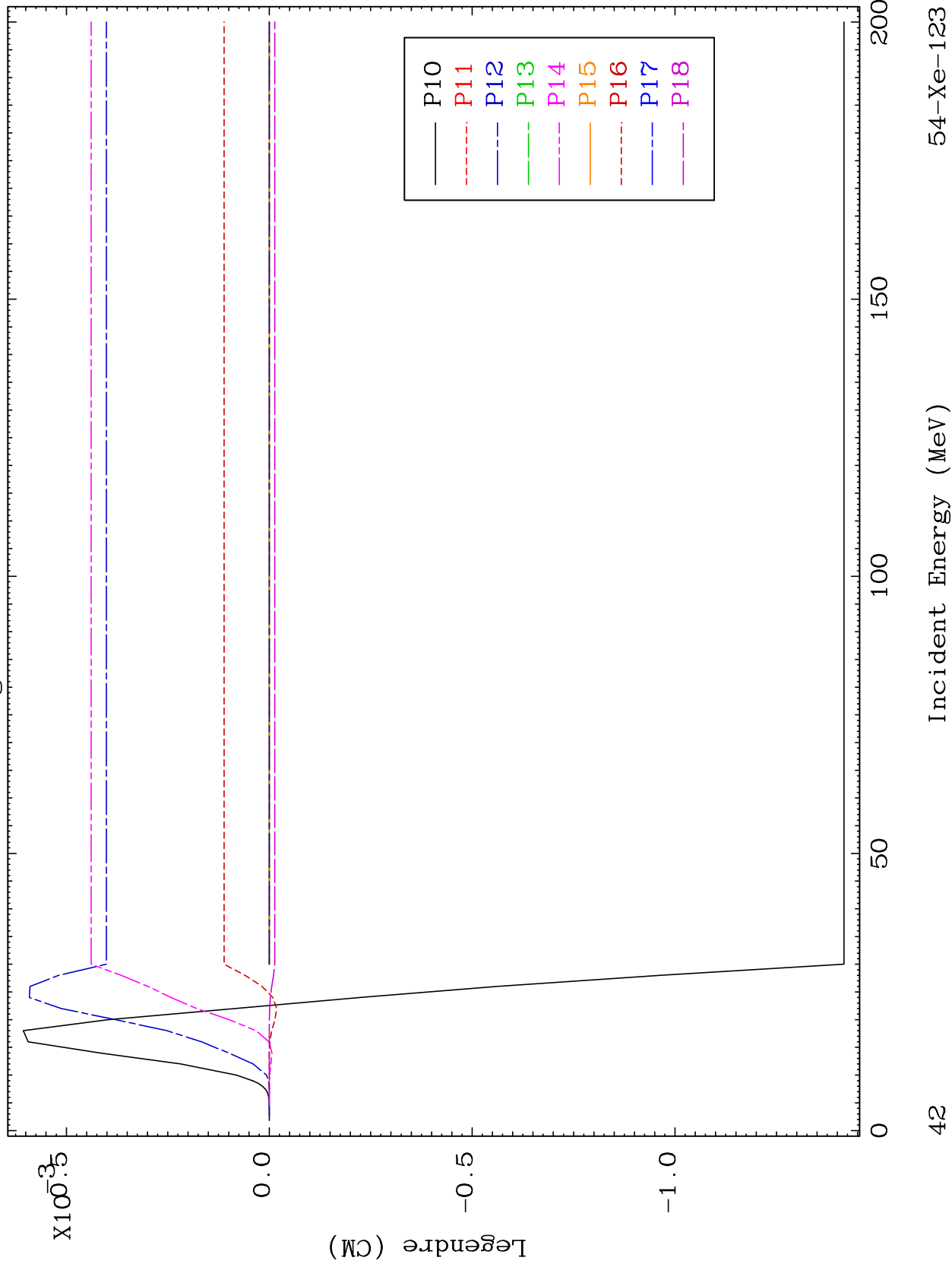
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



42

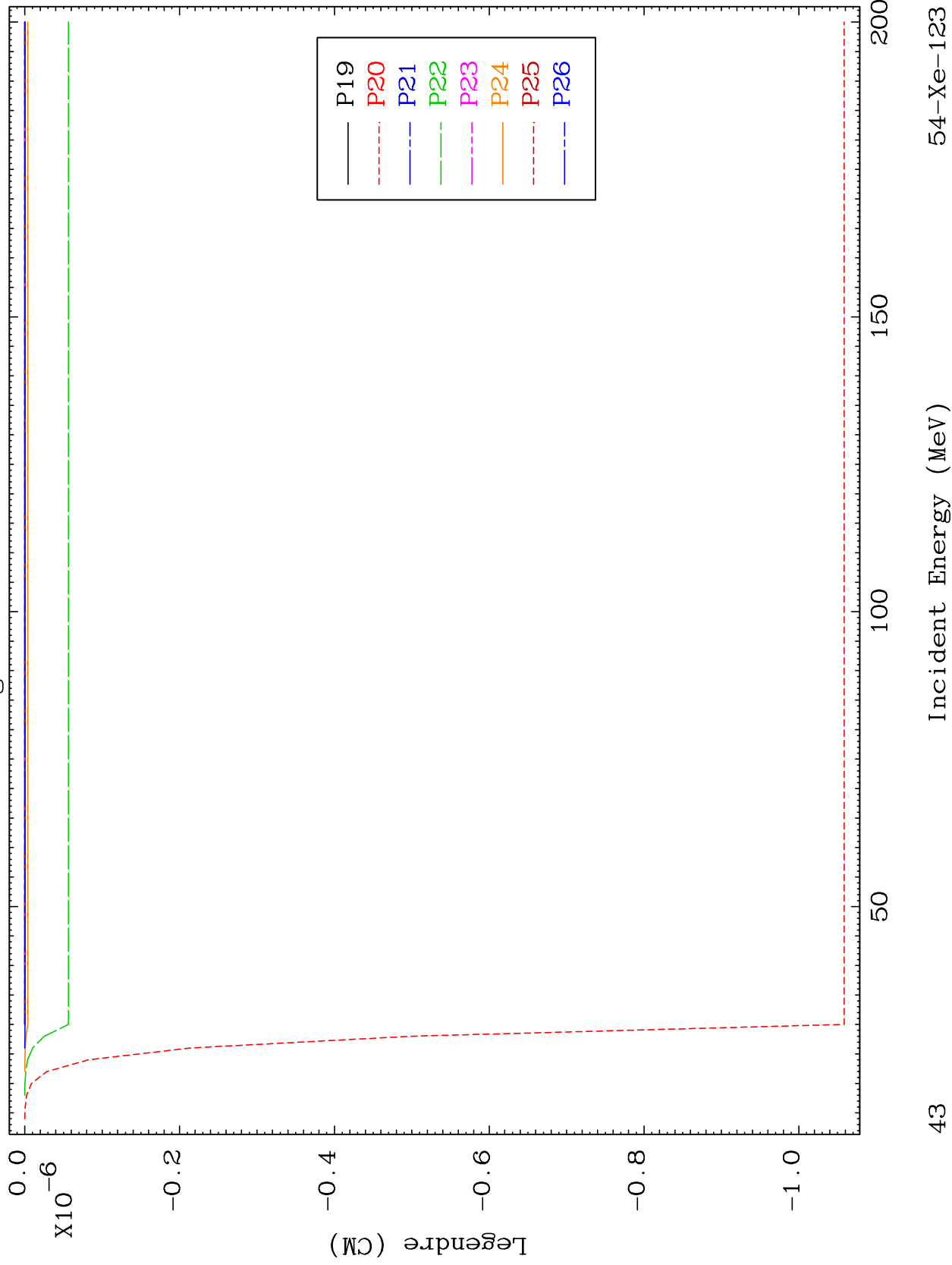
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

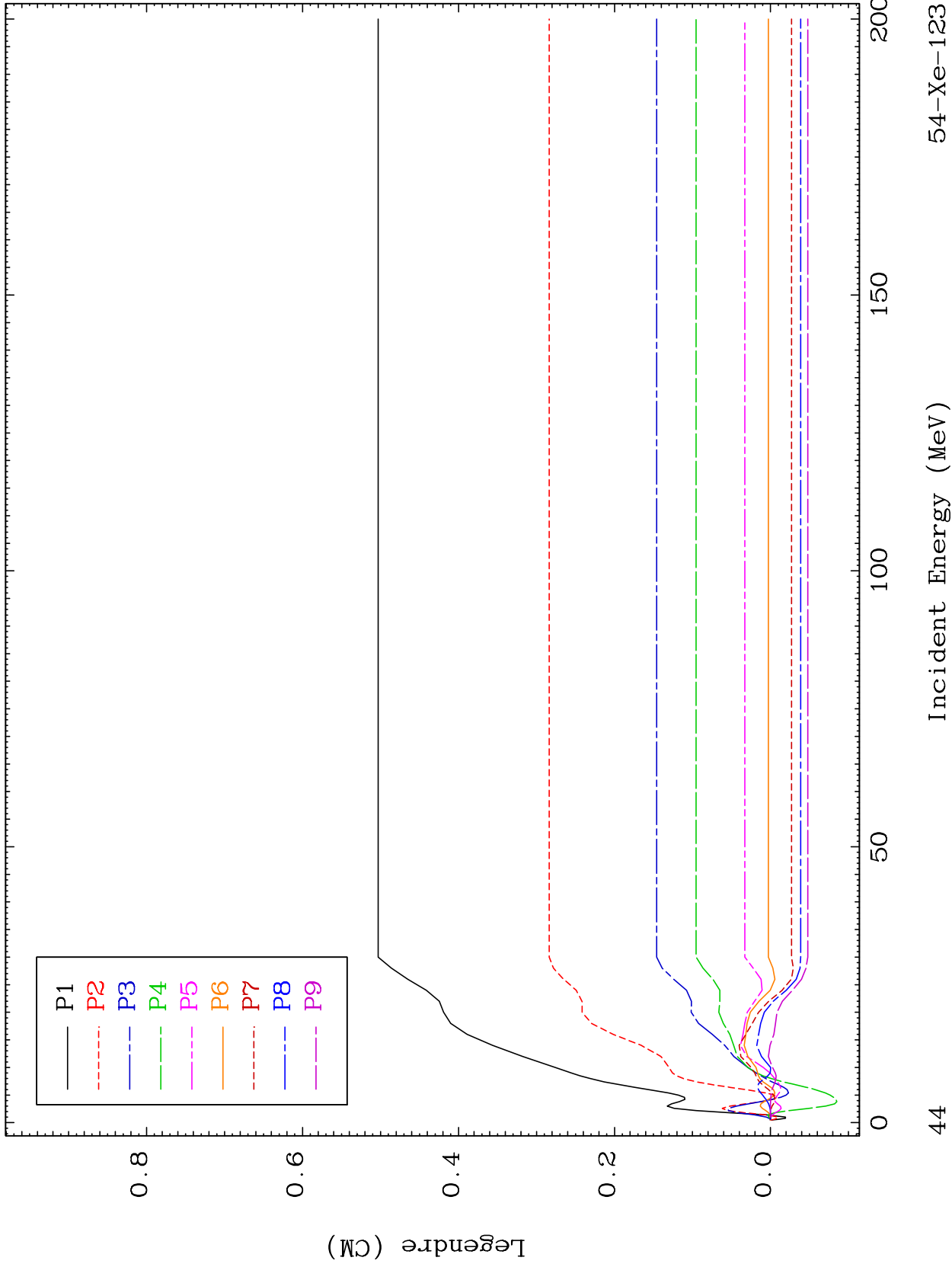
54-Xe-123



43

Incident Energy (MeV)

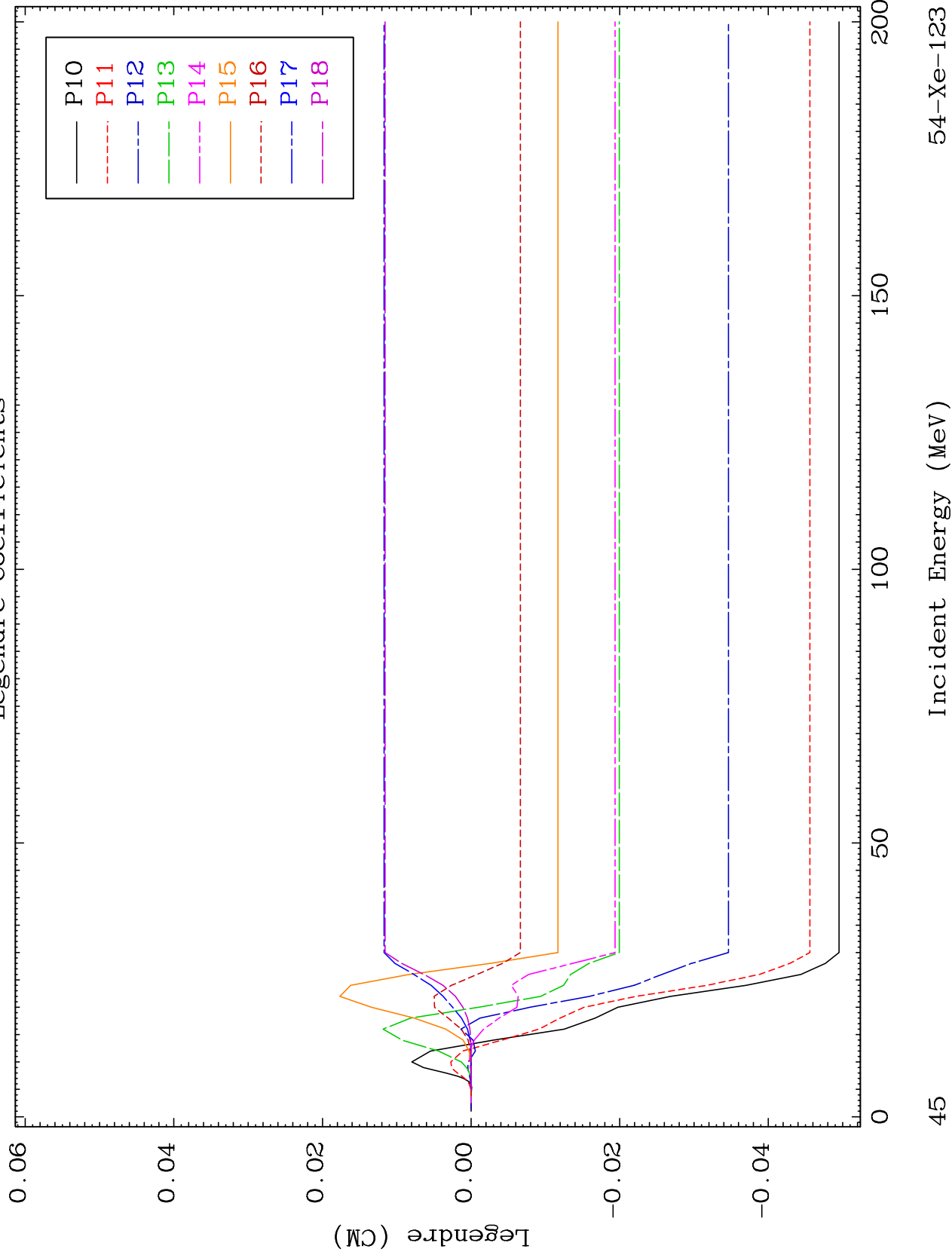
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

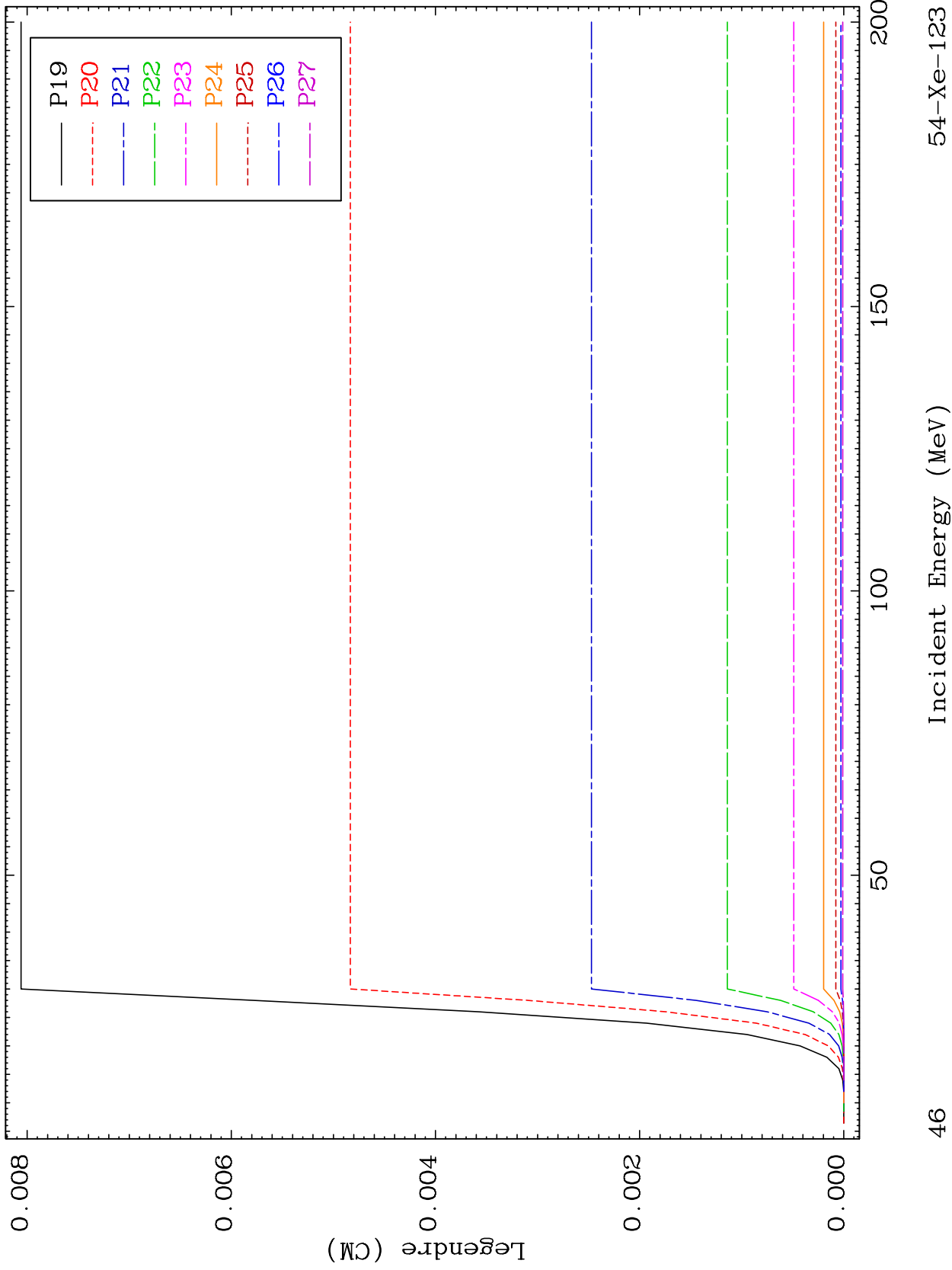
Incident Energy (MeV)

45

MAT 5422

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

54-Xe-123



46

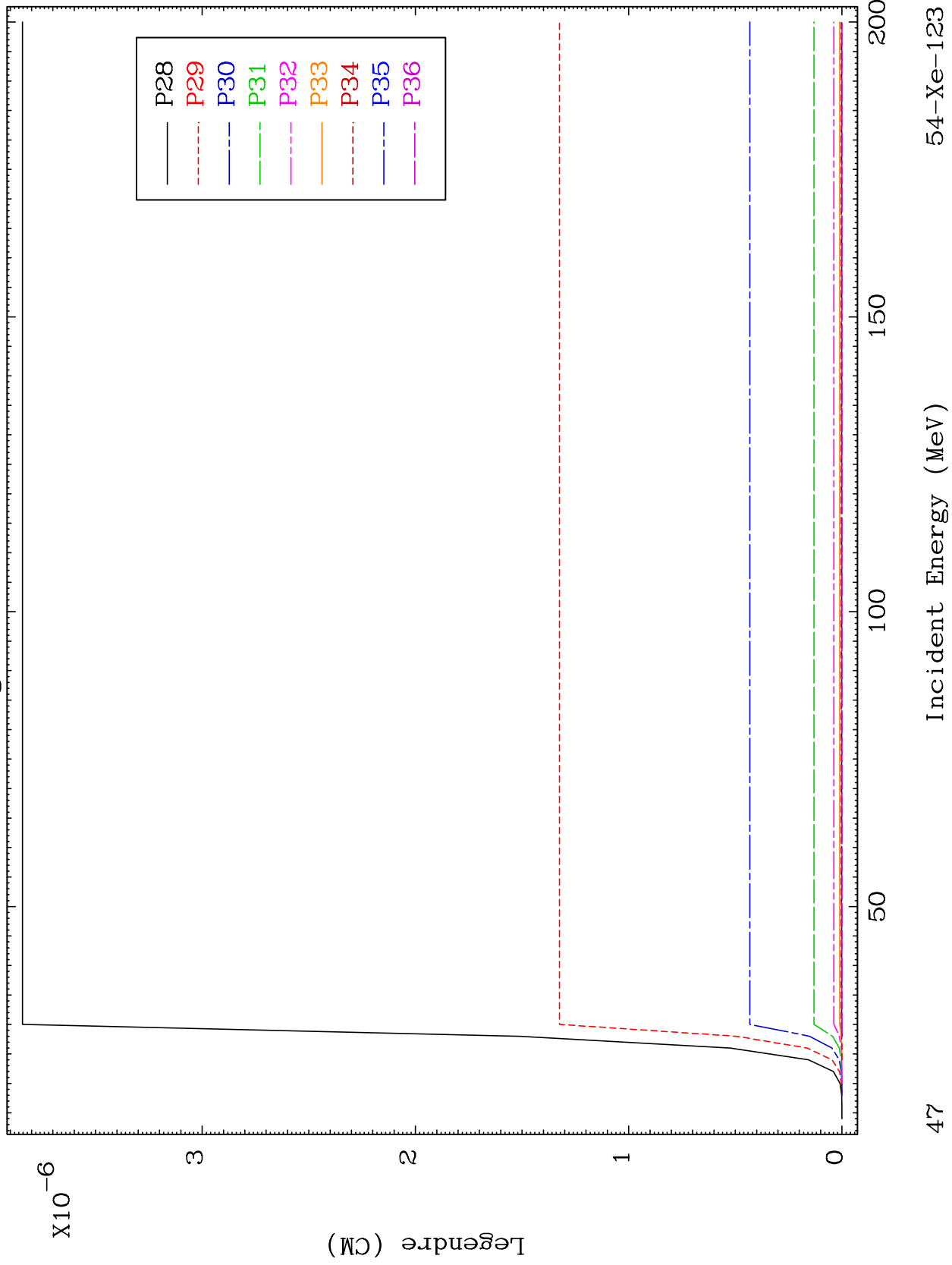
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123

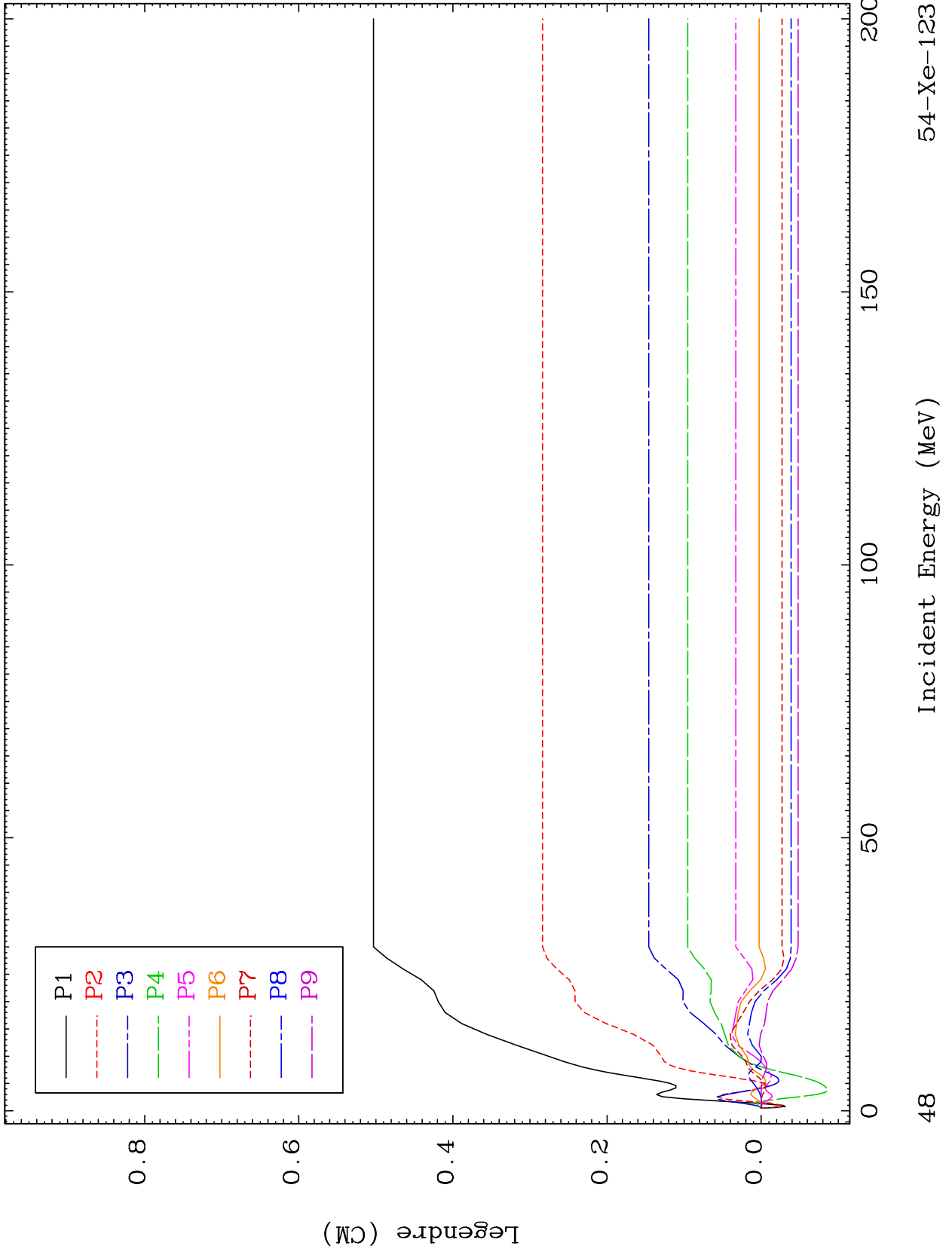




MAT 5422

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

54-Xe-123



54-Xe-123

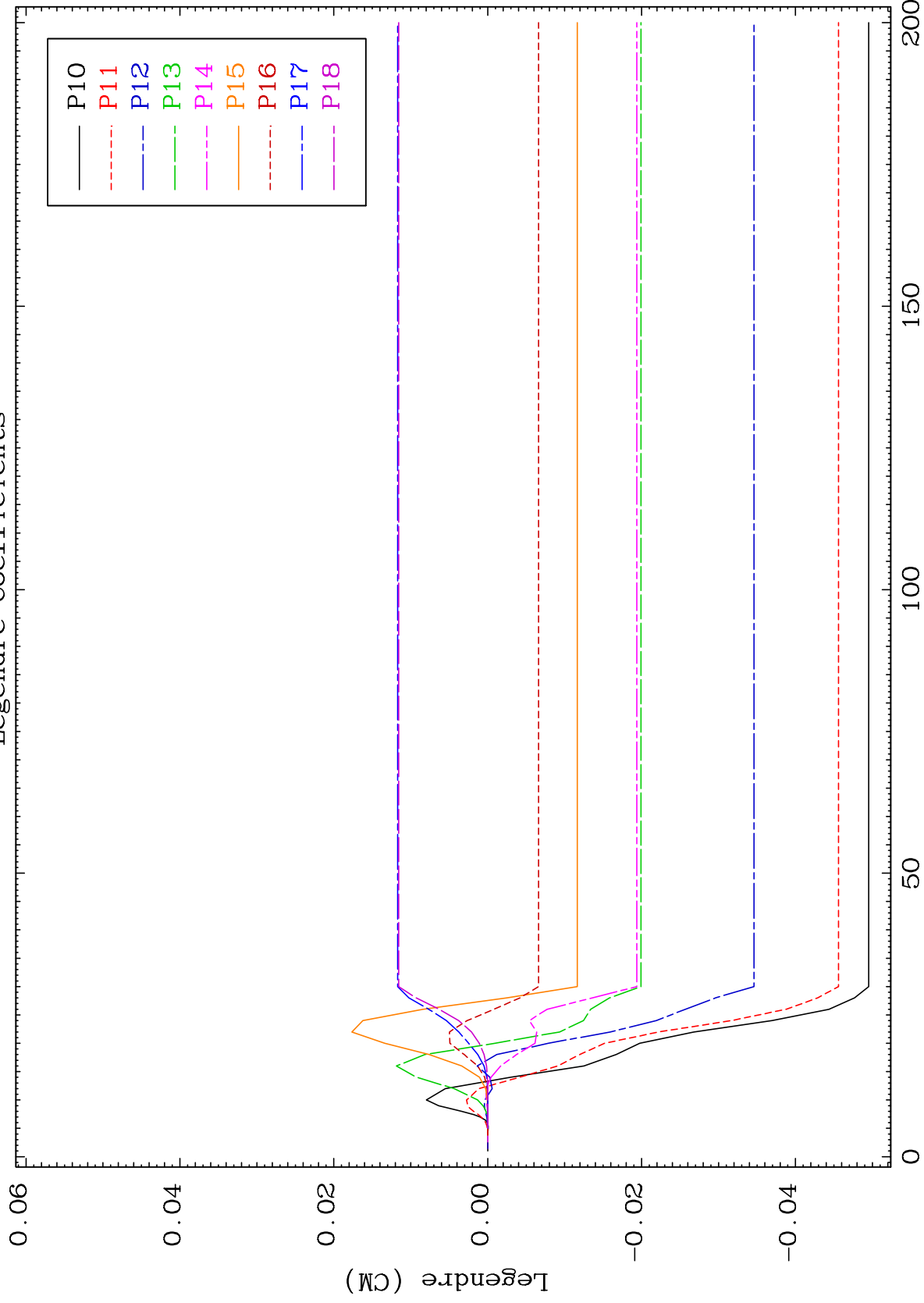
Incident Energy (MeV)

48

MAT 5422

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

54-Xe-123



49

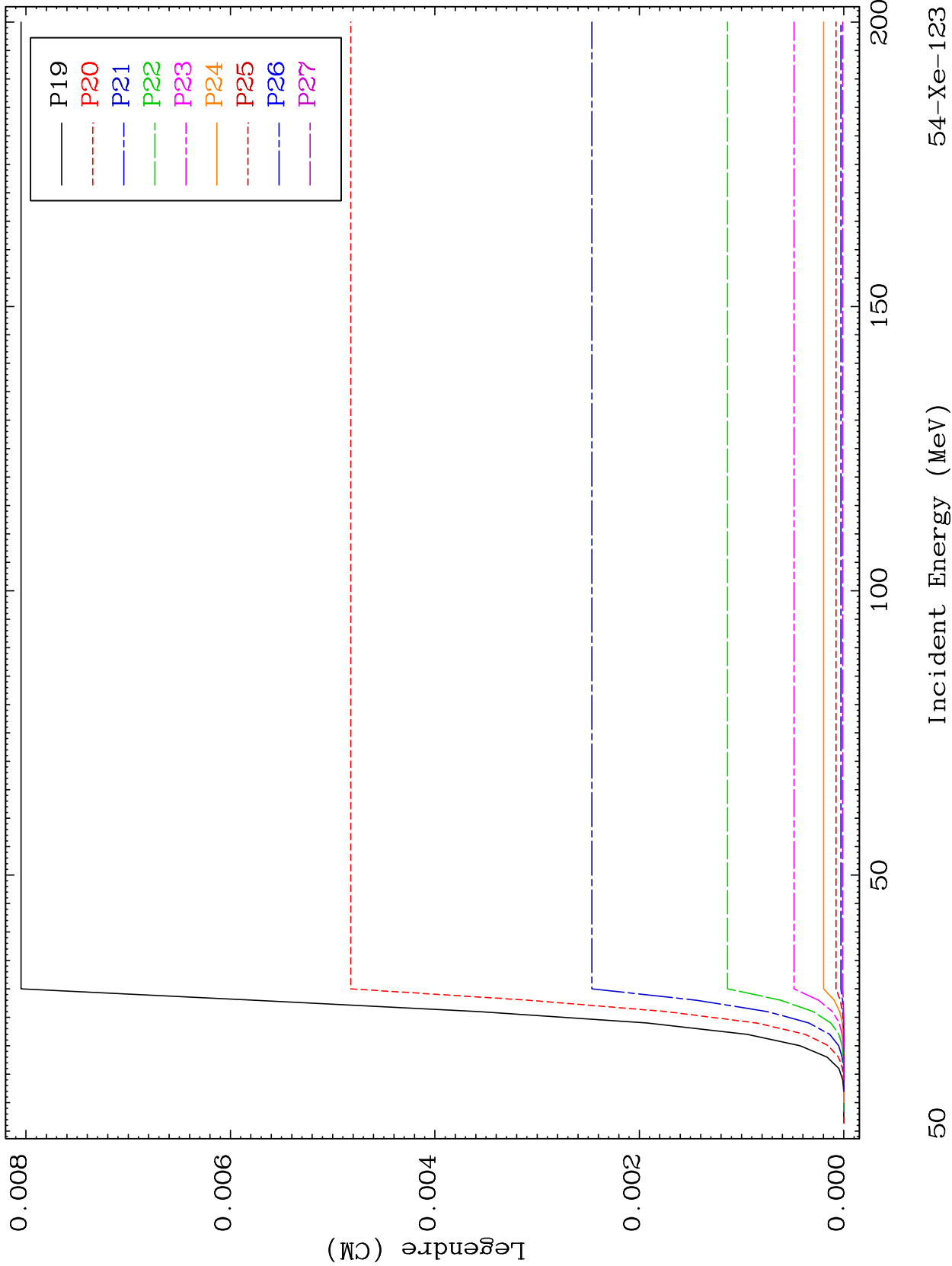
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



50

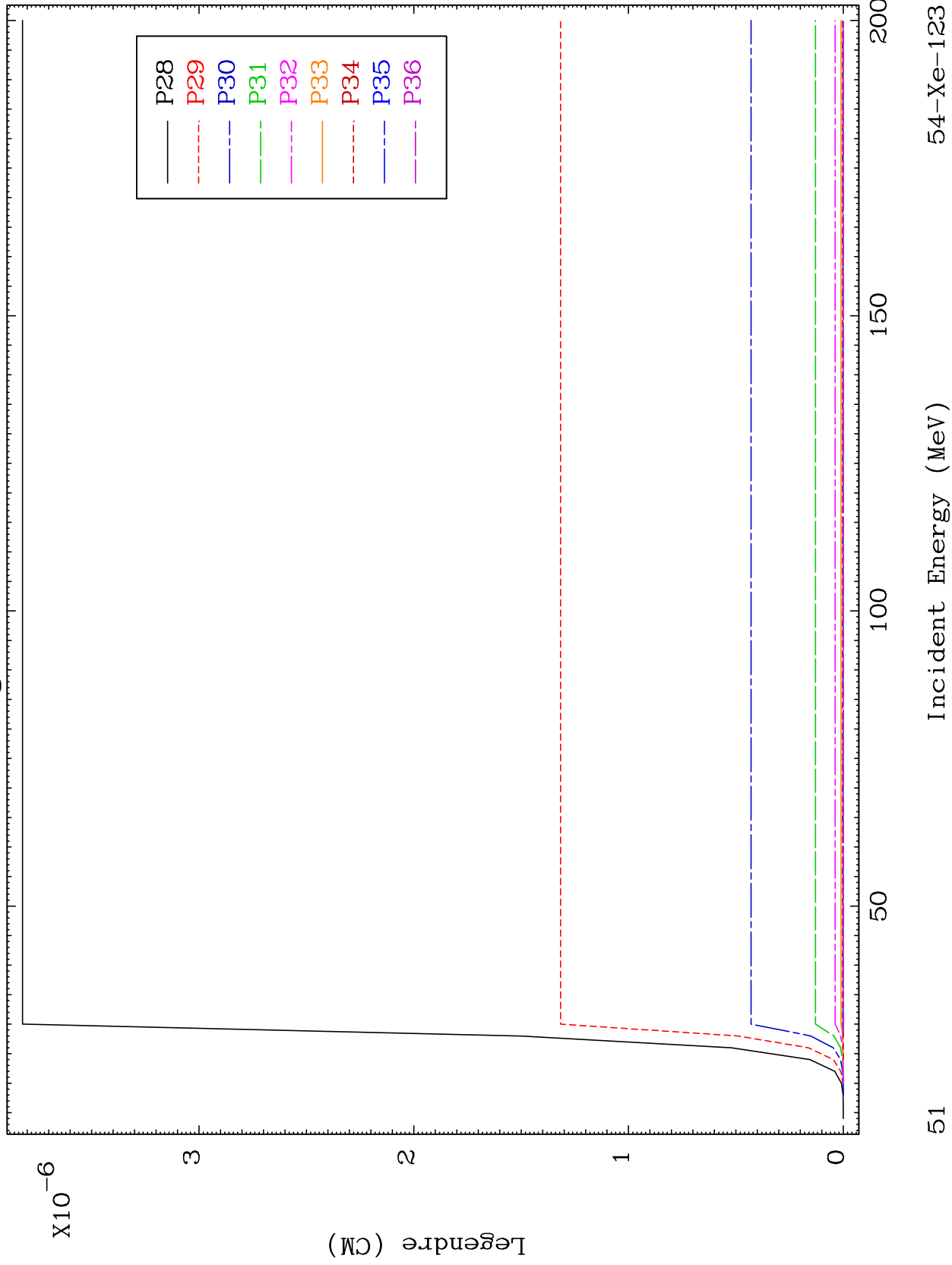
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



51

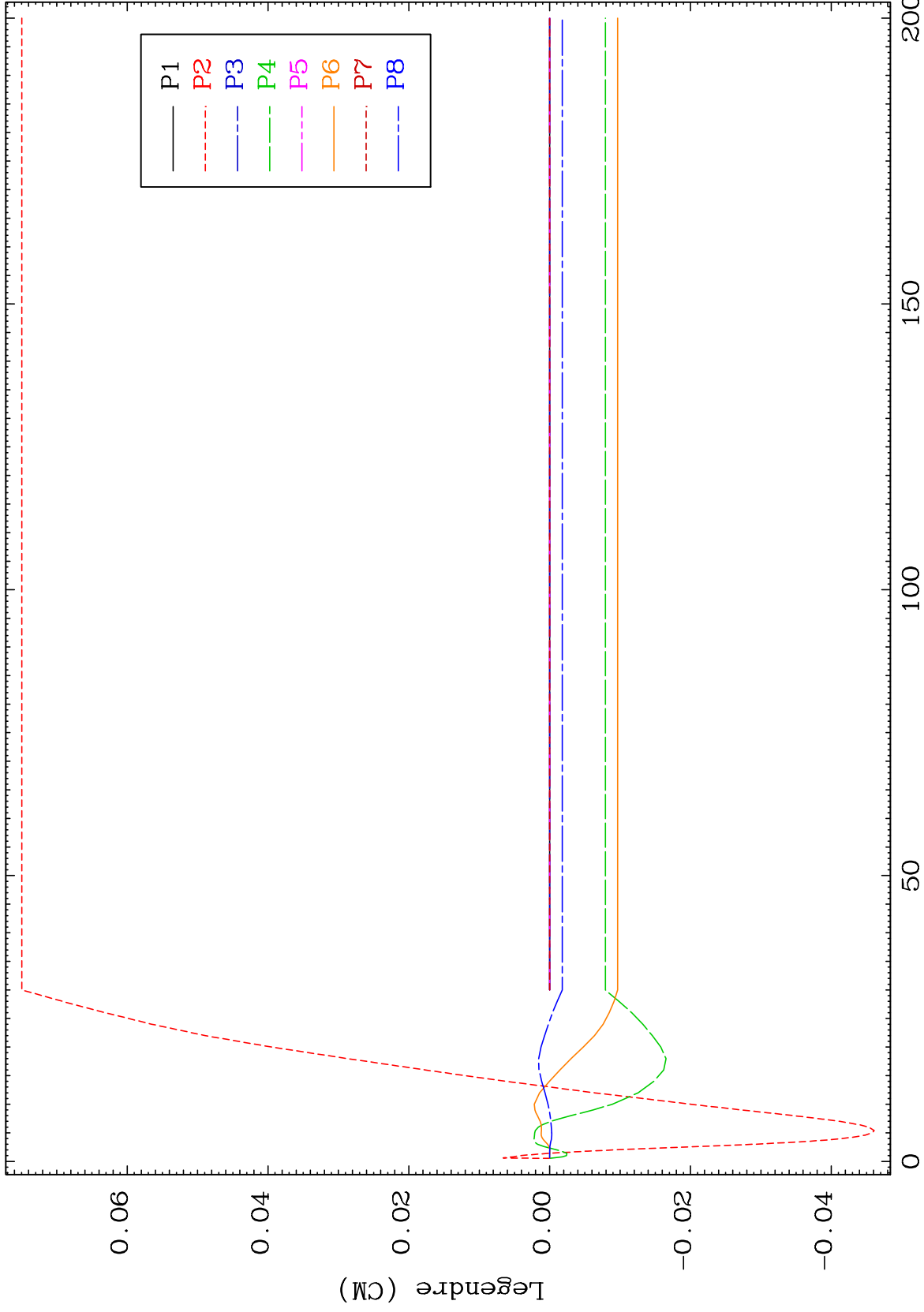
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

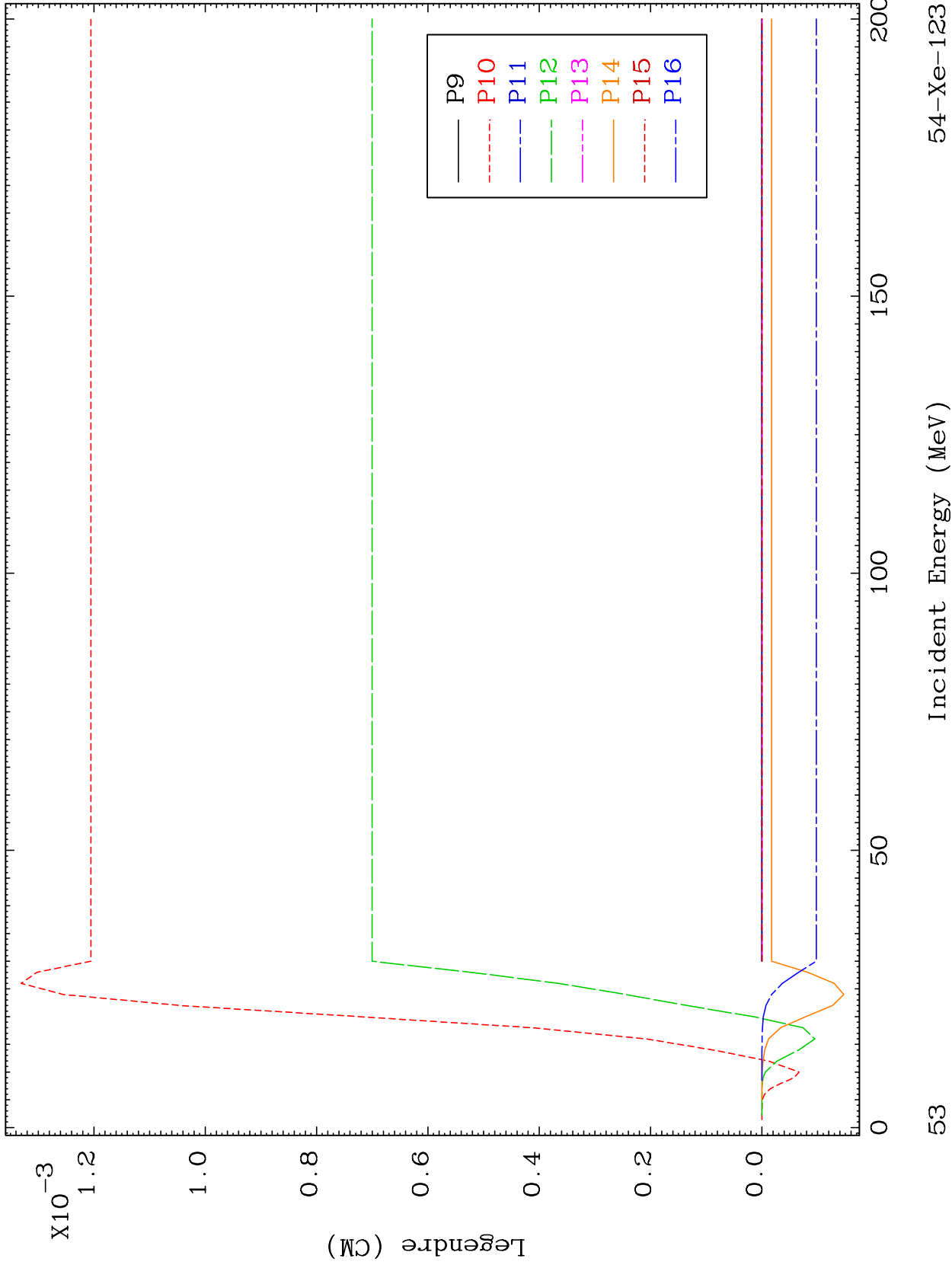
54-Xe-123



52

Incident Energy (MeV)

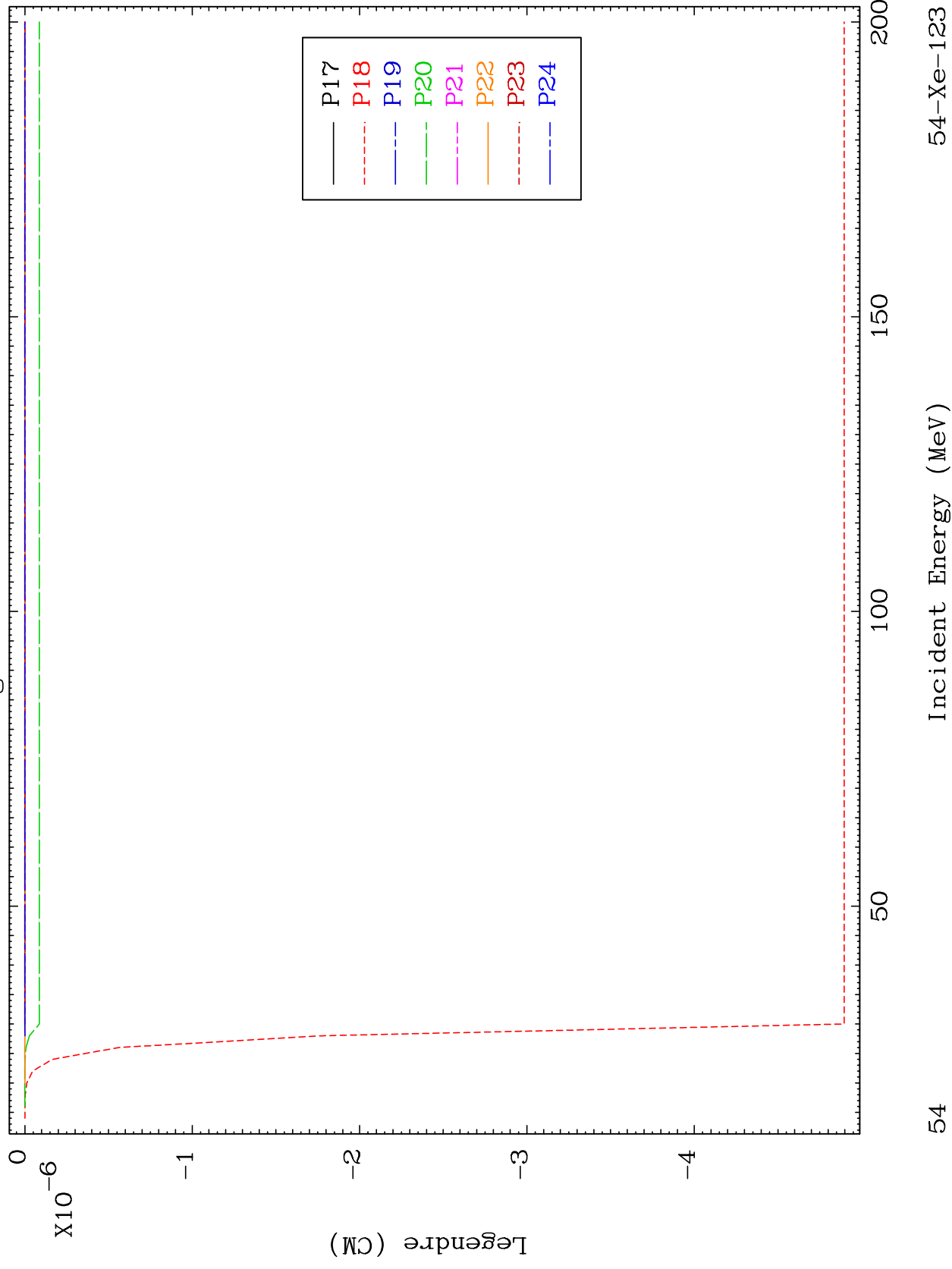
54-Xe-123



MAT 5422

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

54-Xe-123



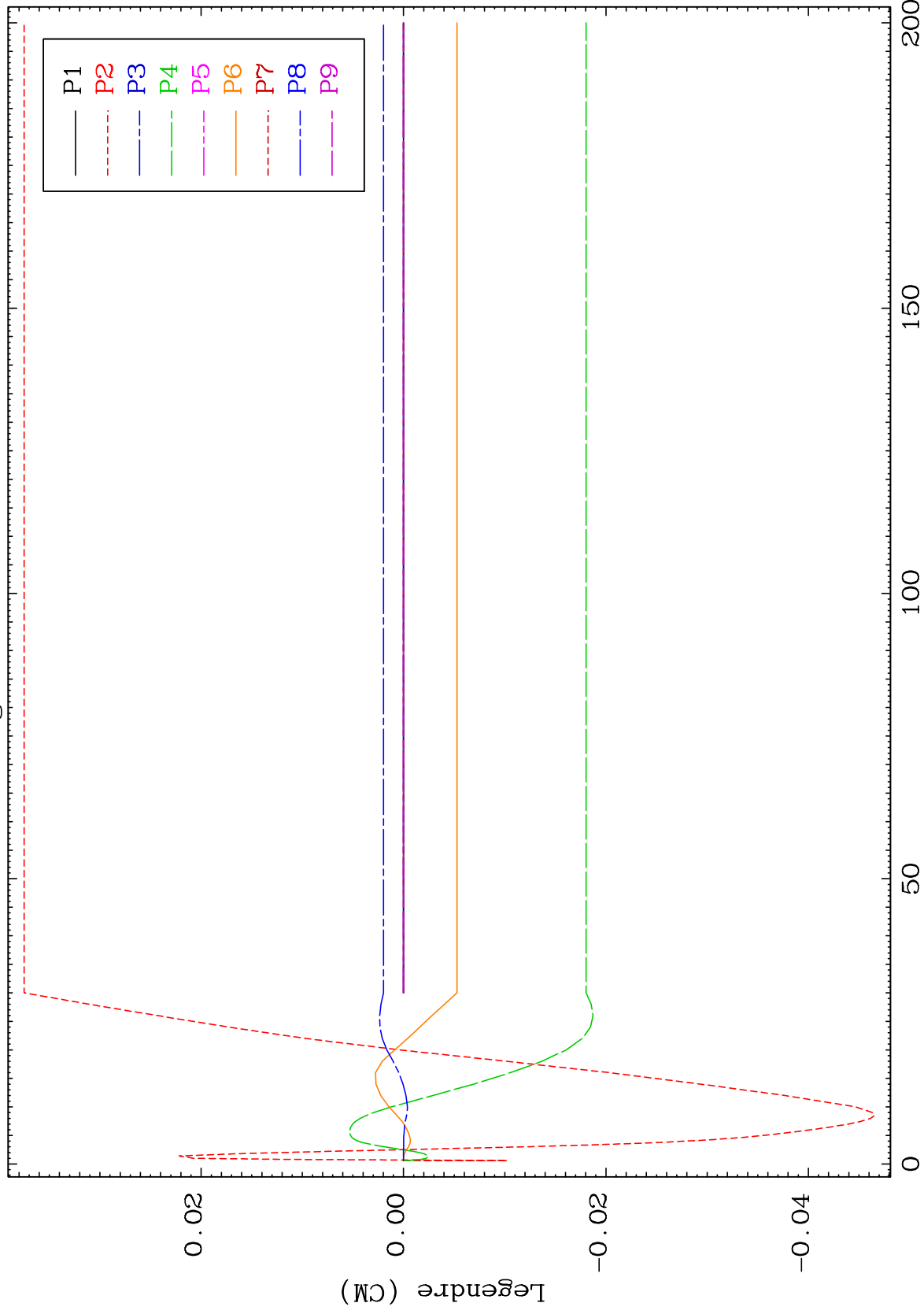
54

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

Incident Energy (MeV)

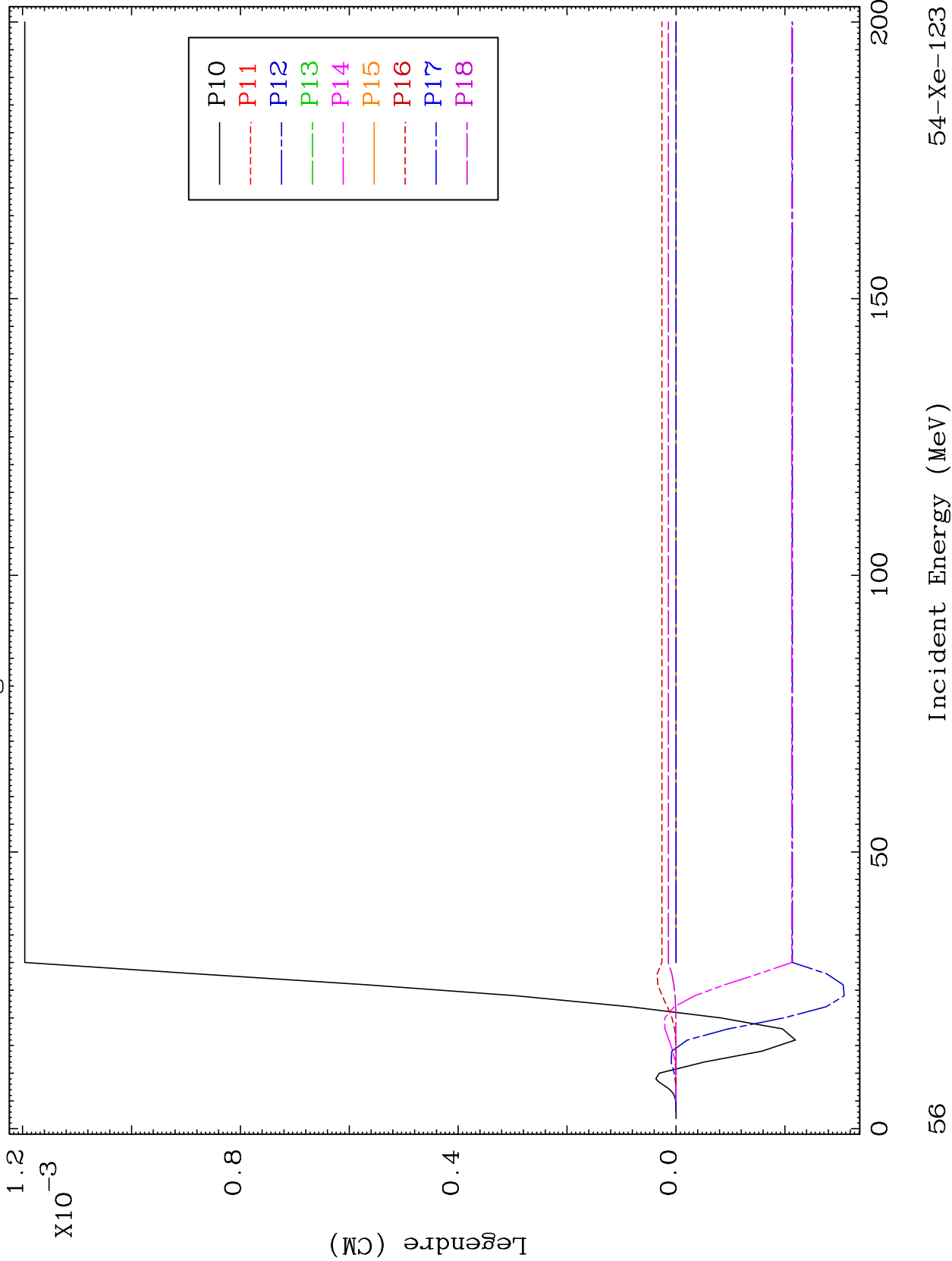
55



MAT 5422

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

54-Xe-123



54-Xe-123

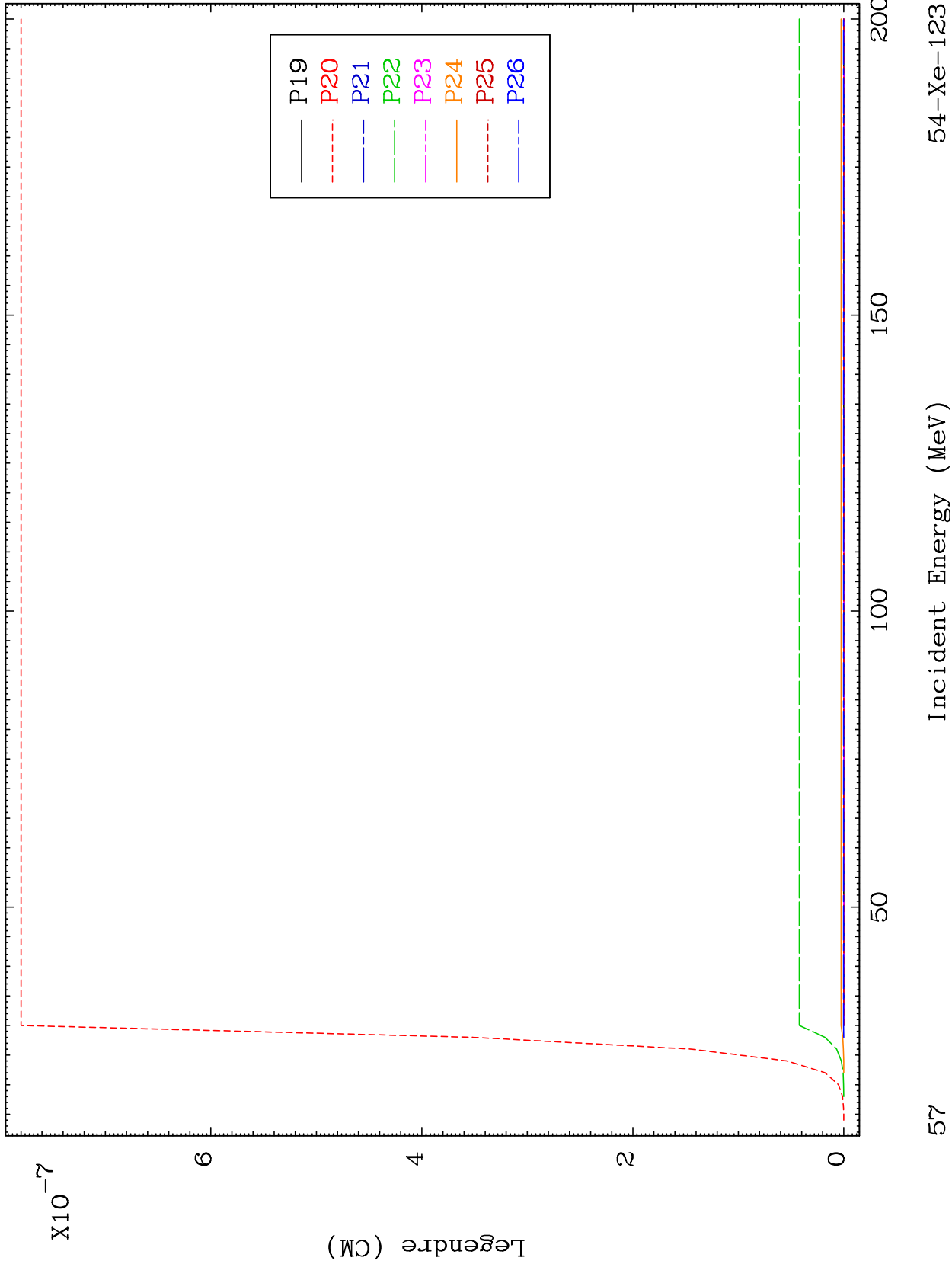
Incident Energy (MeV)

56

MAT 5422

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

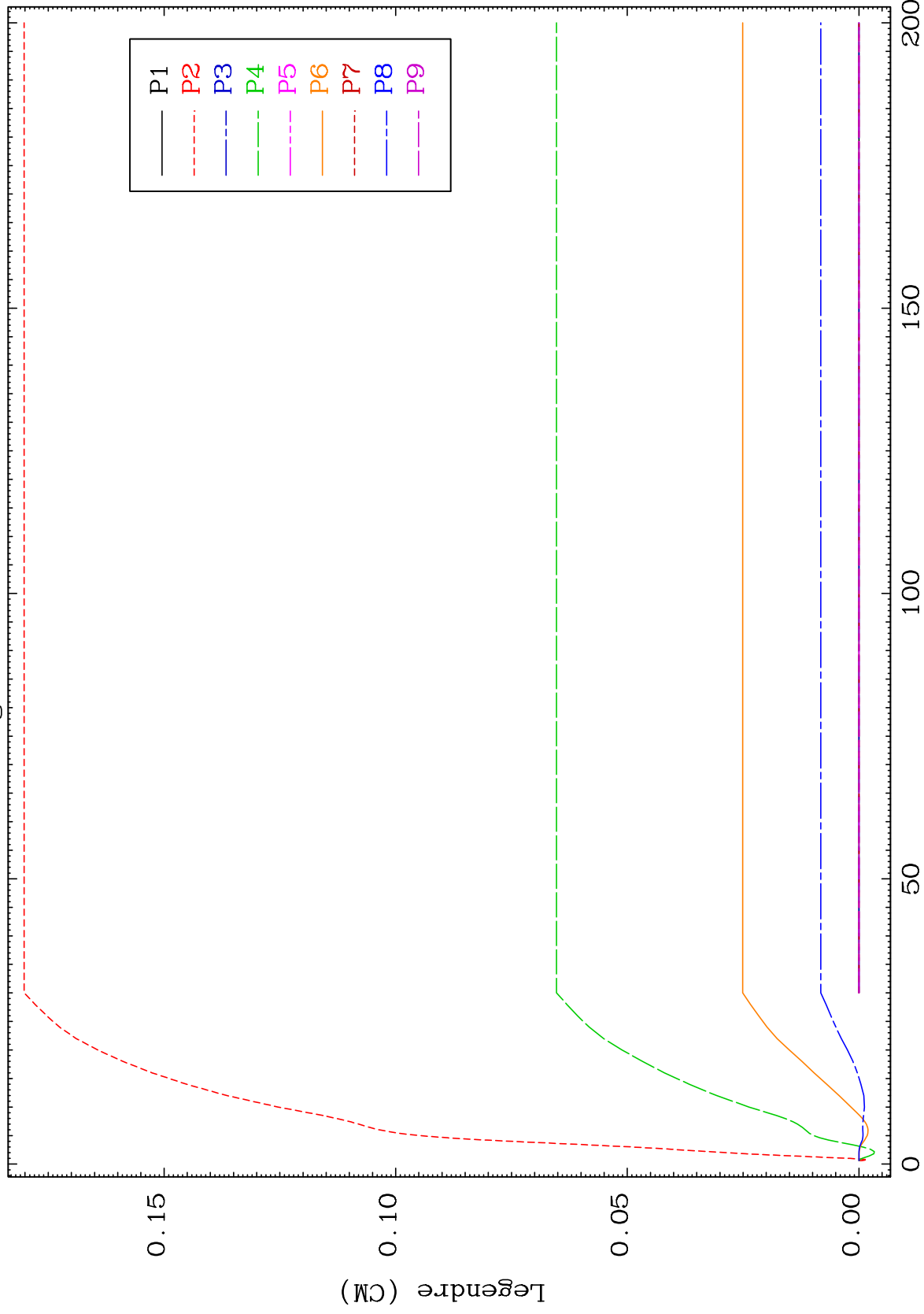
54-Xe-123



MAT 5422

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

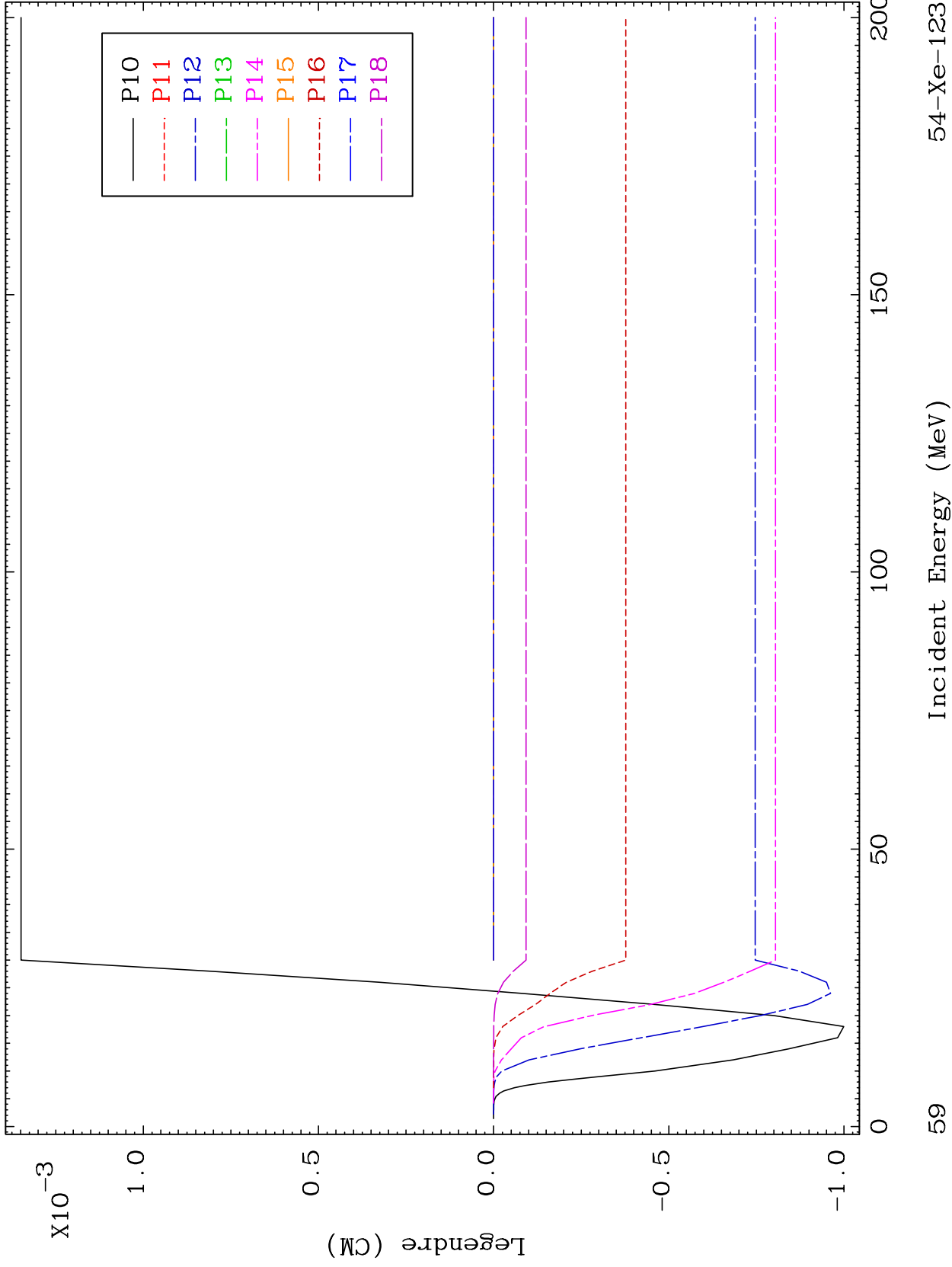
54-Xe-123



58

Incident Energy (MeV)

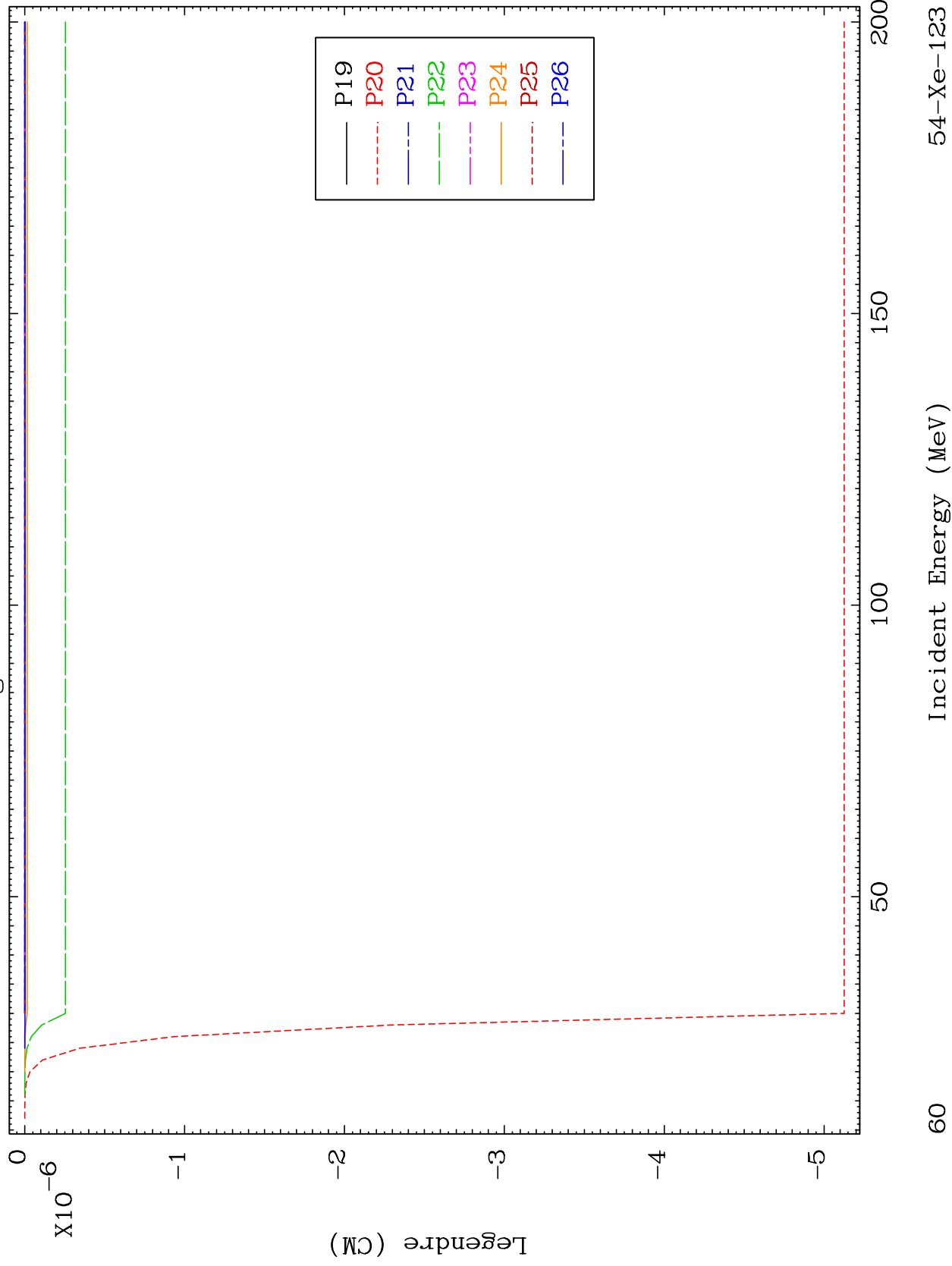
54-Xe-123



MAT 5422

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

54-Xe-123



60

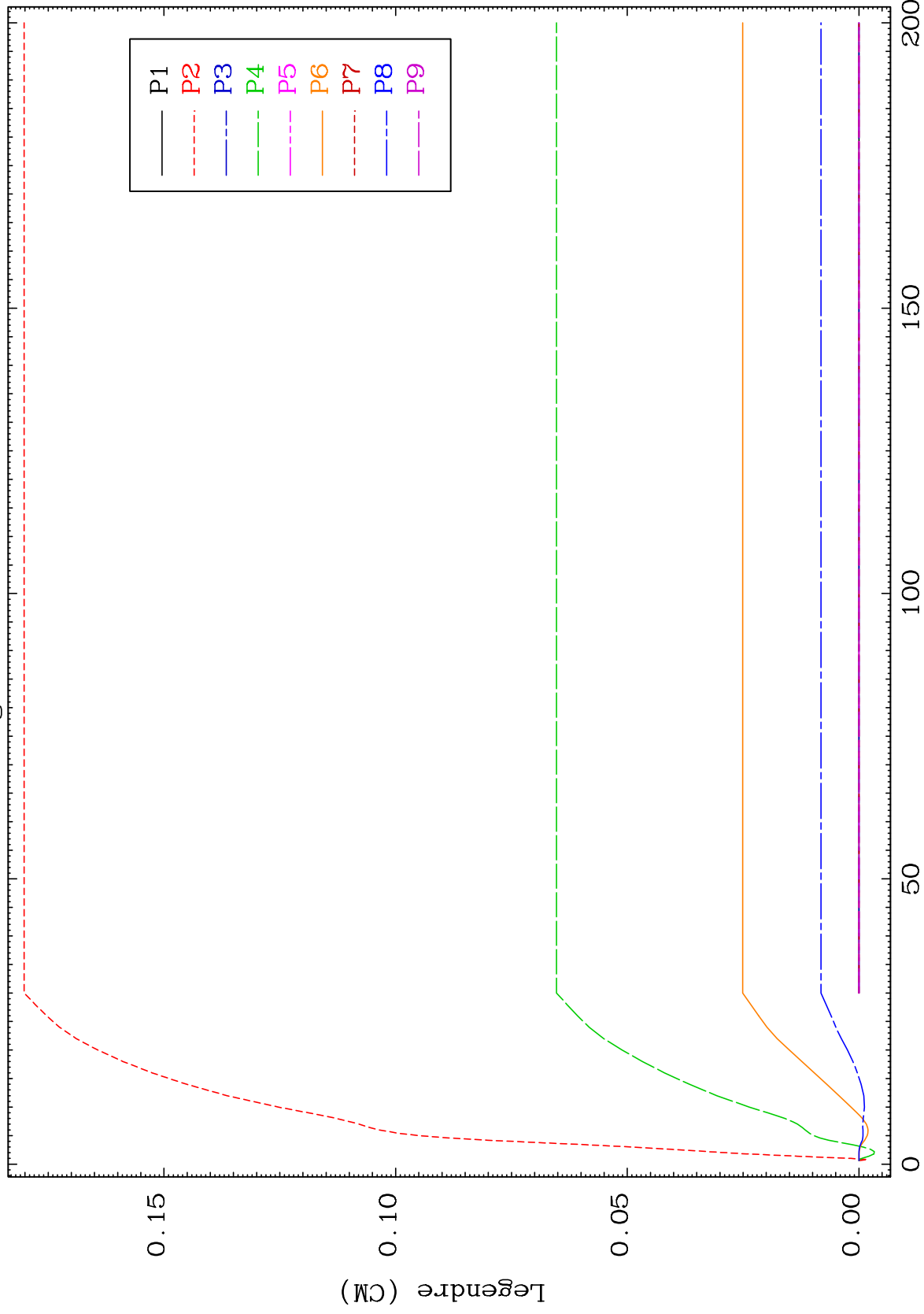
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



61

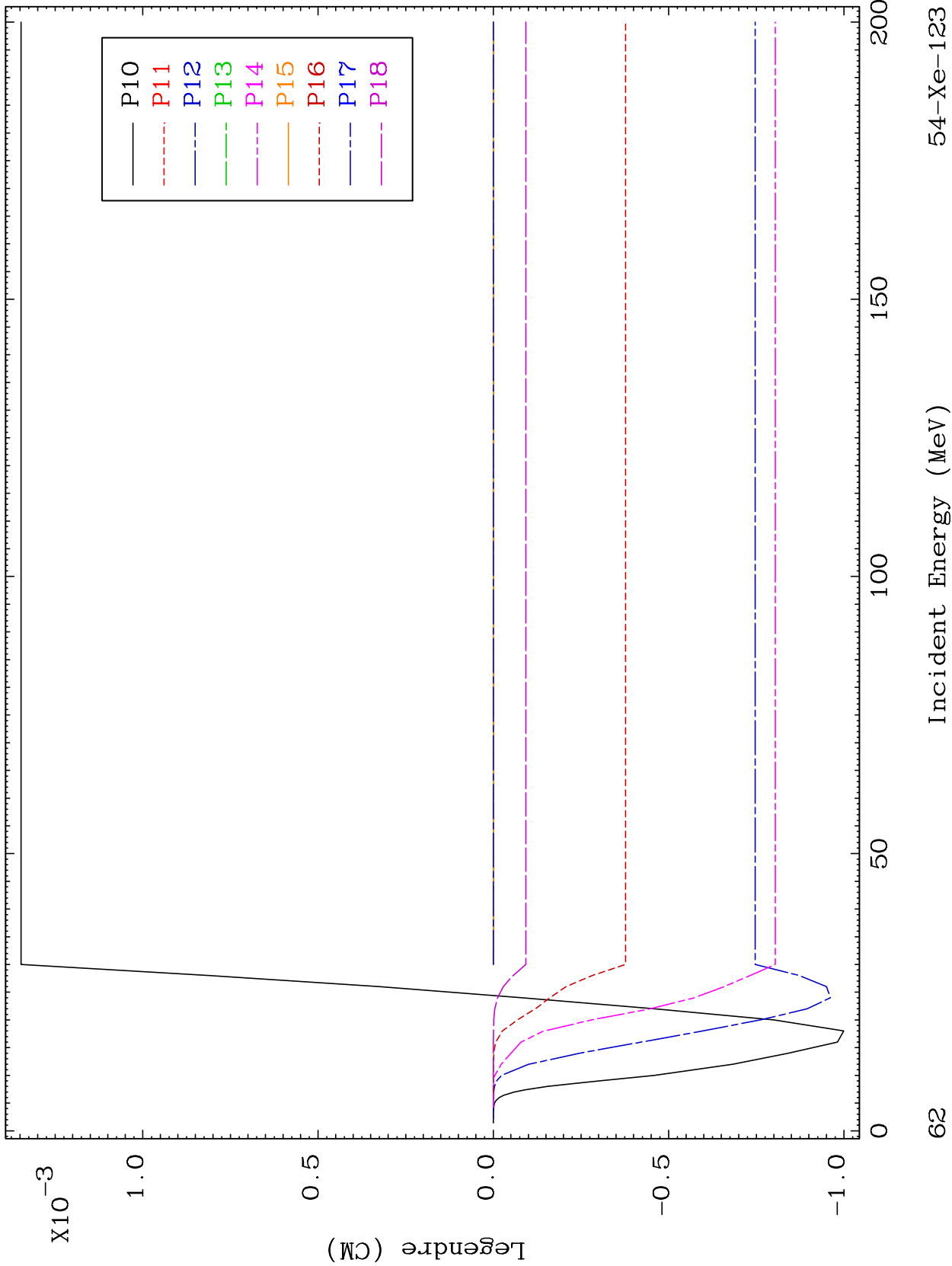
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

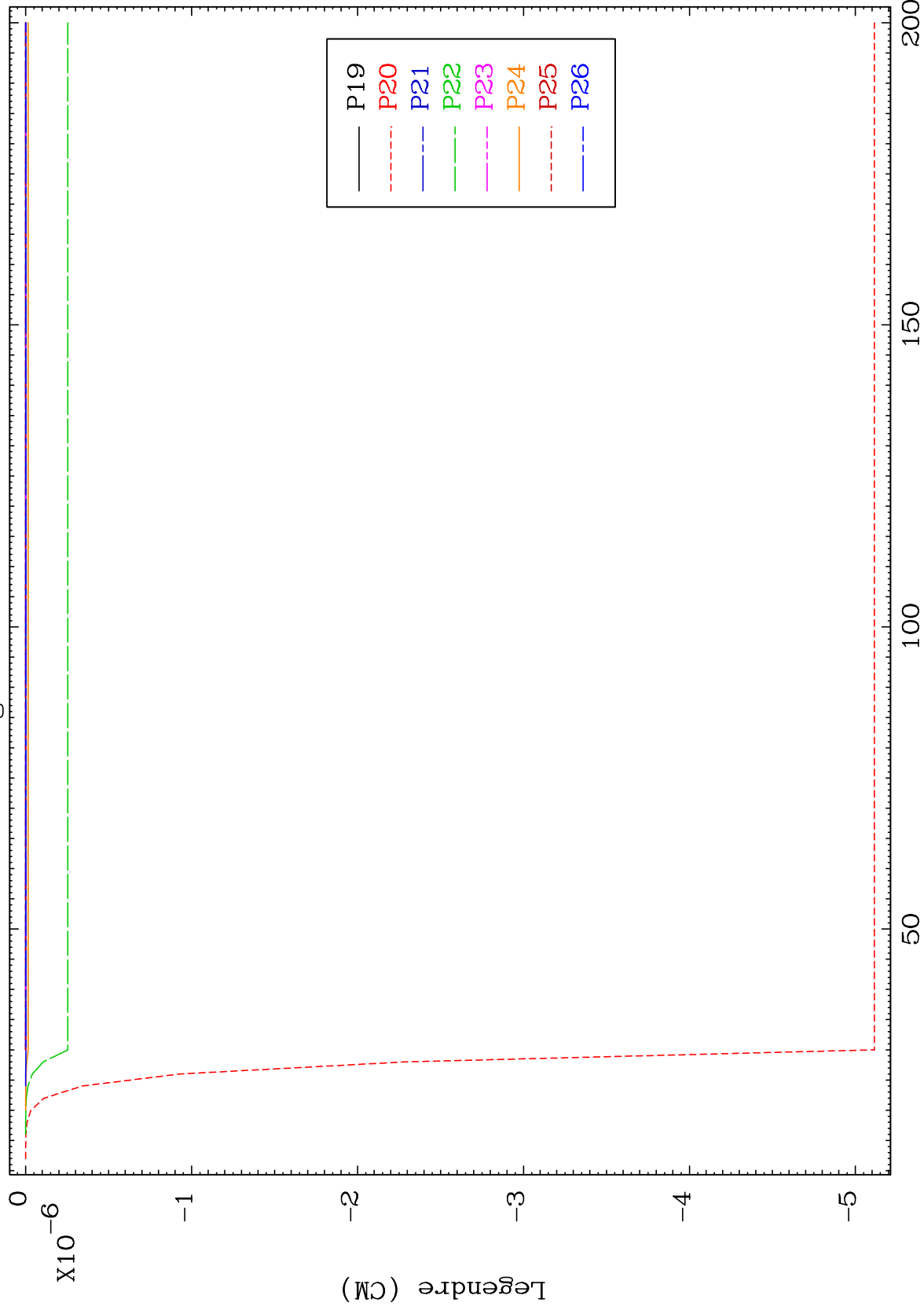
Incident Energy (MeV)

62

MAT 5422

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

54-Xe-123



63

Incident Energy (MeV)

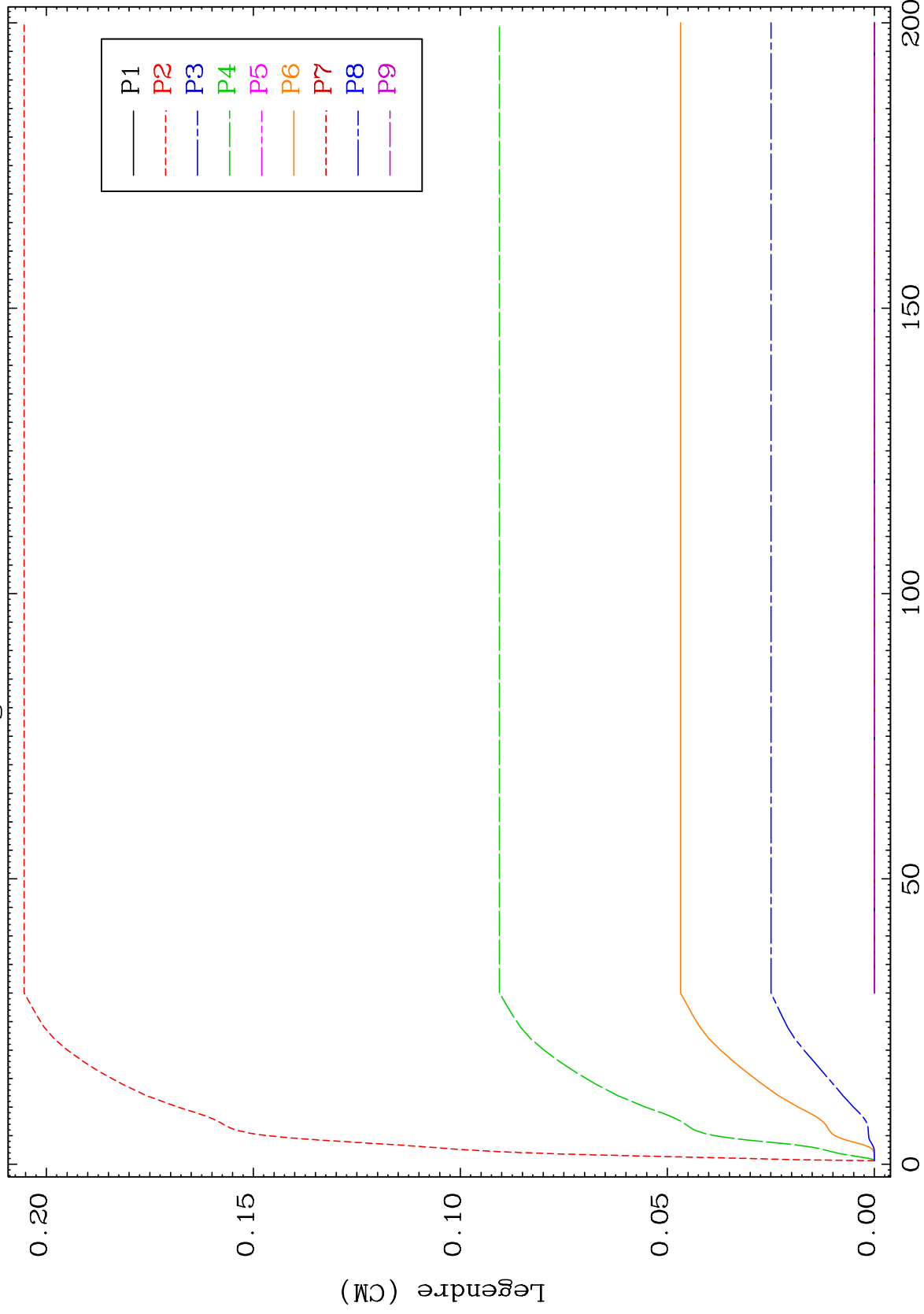
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

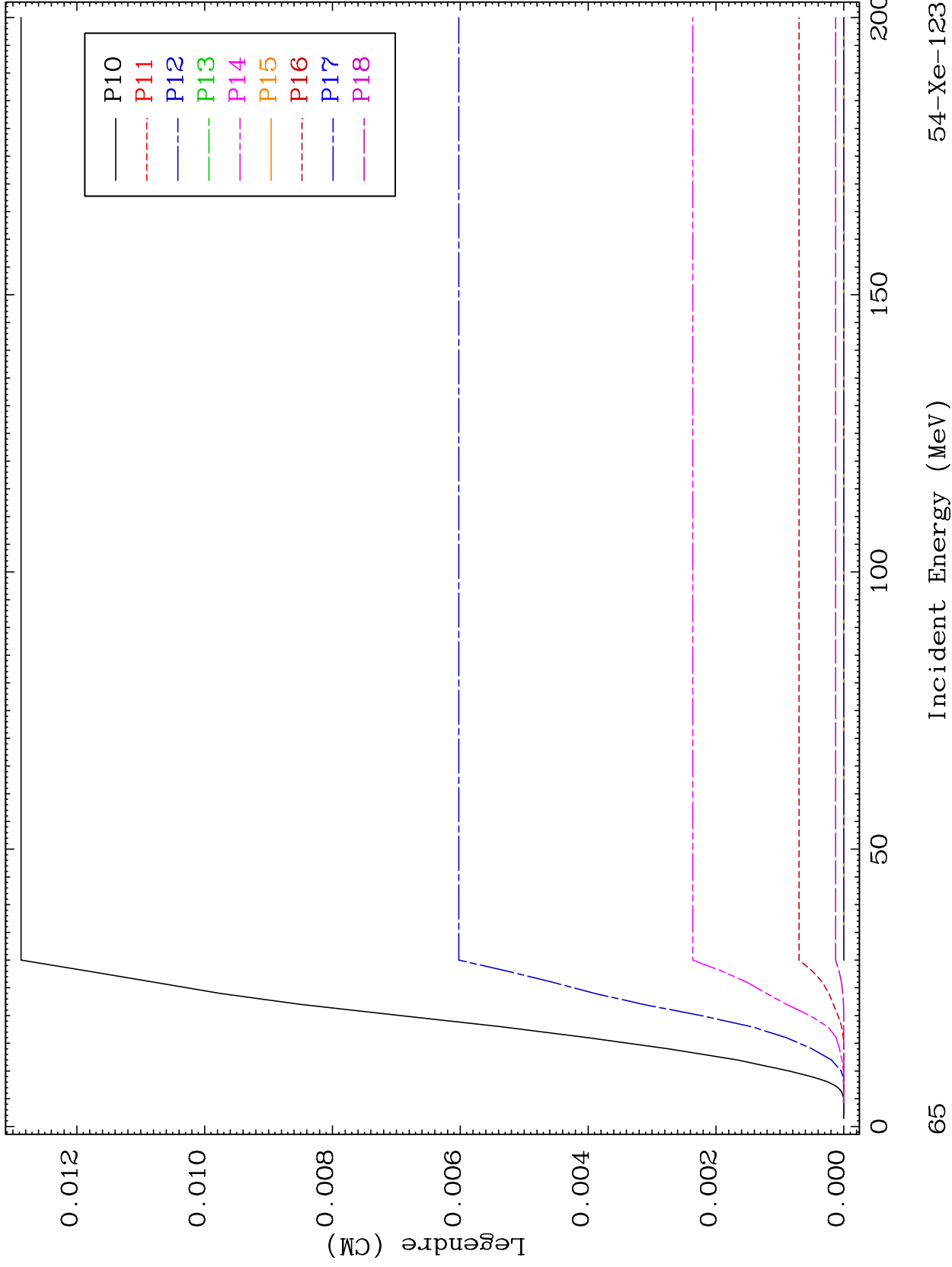
Incident Energy (MeV)

64

MAT 5422

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

54-Xe-123



54-Xe-123

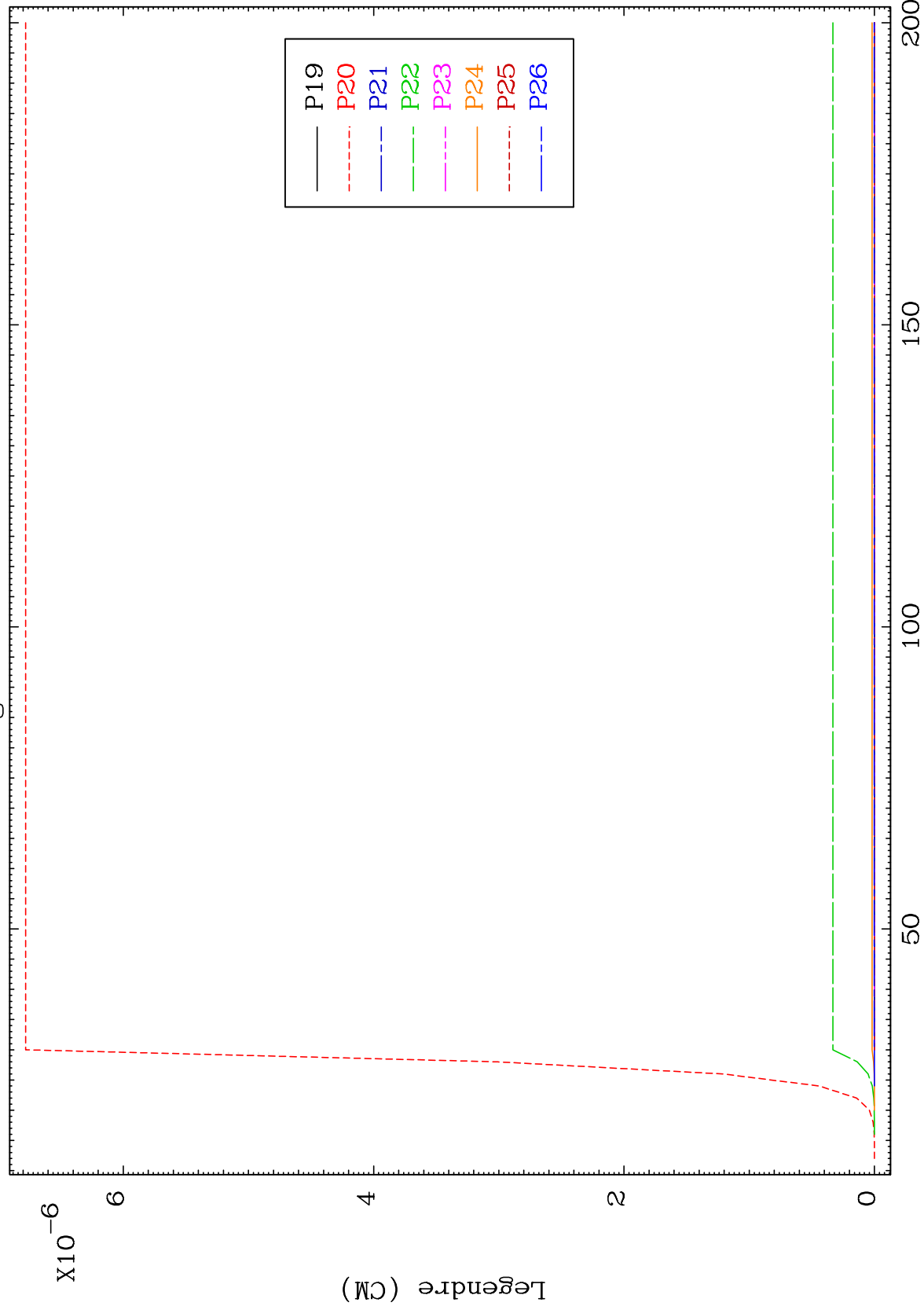
Incident Energy (MeV)

65

MAT 5422

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

54-Xe-123



54-Xe-123

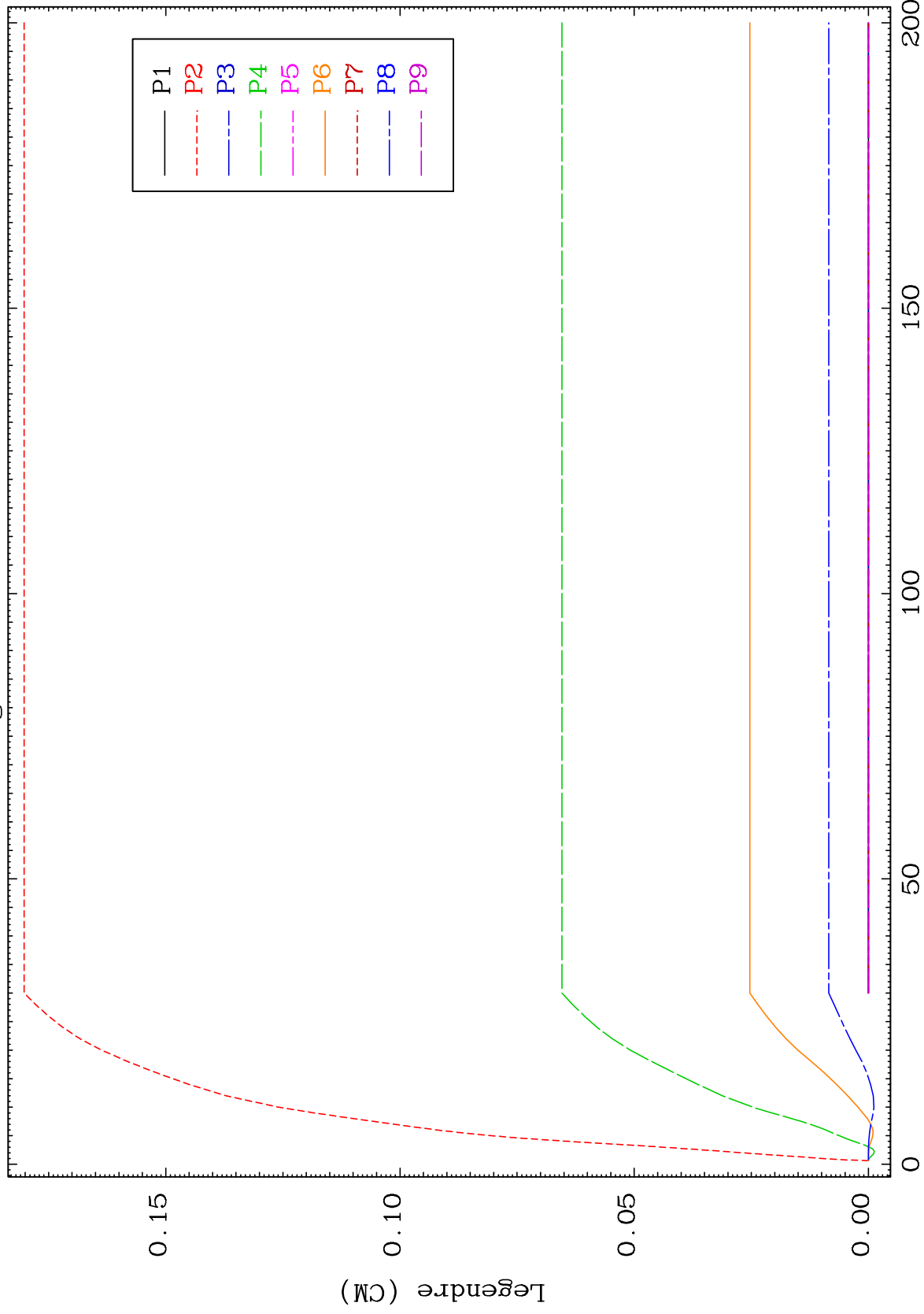
Incident Energy (MeV)

66

MAT 5422

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

54-Xe-123



67

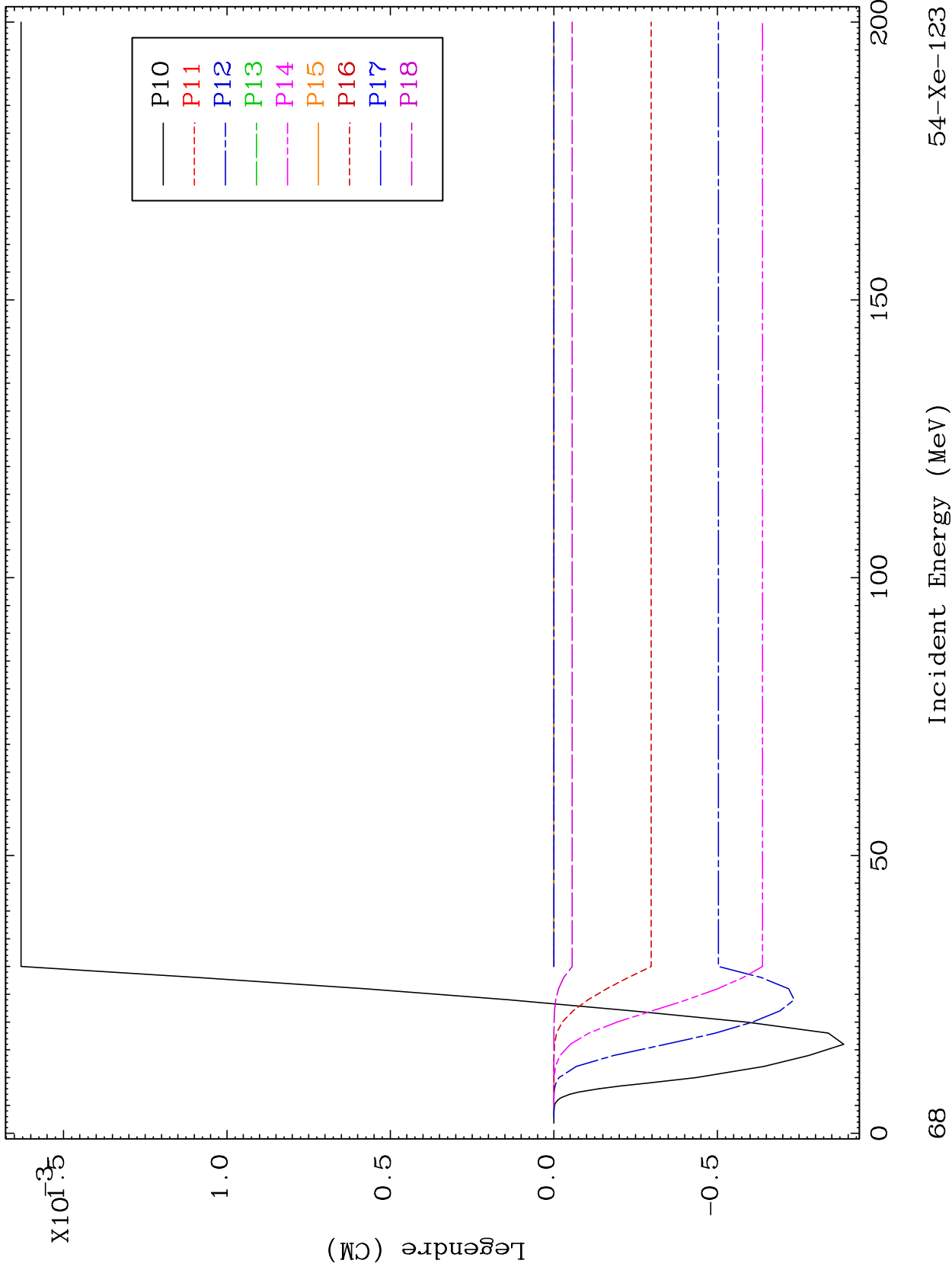
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



68

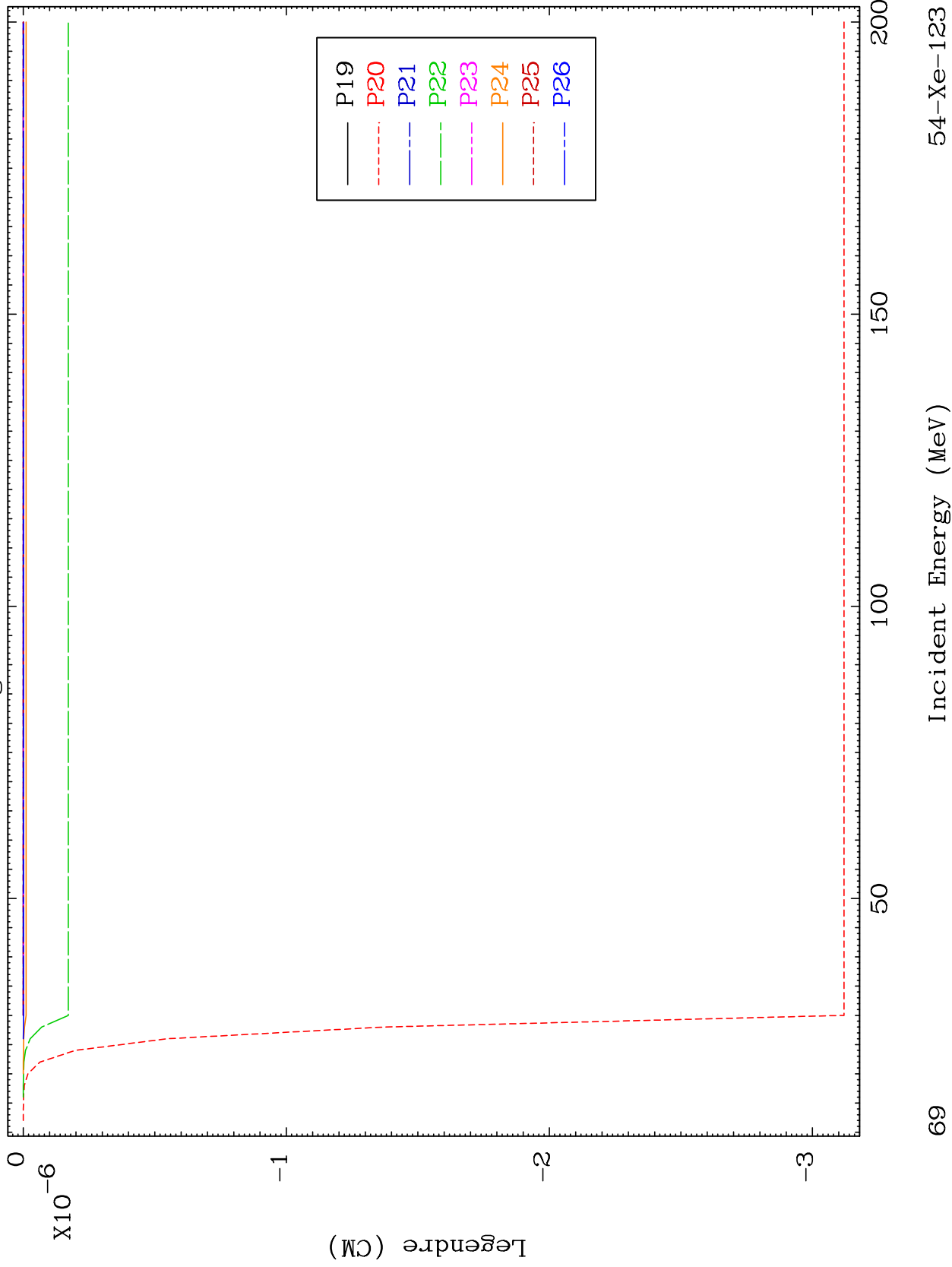
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



69

Incident Energy (MeV)

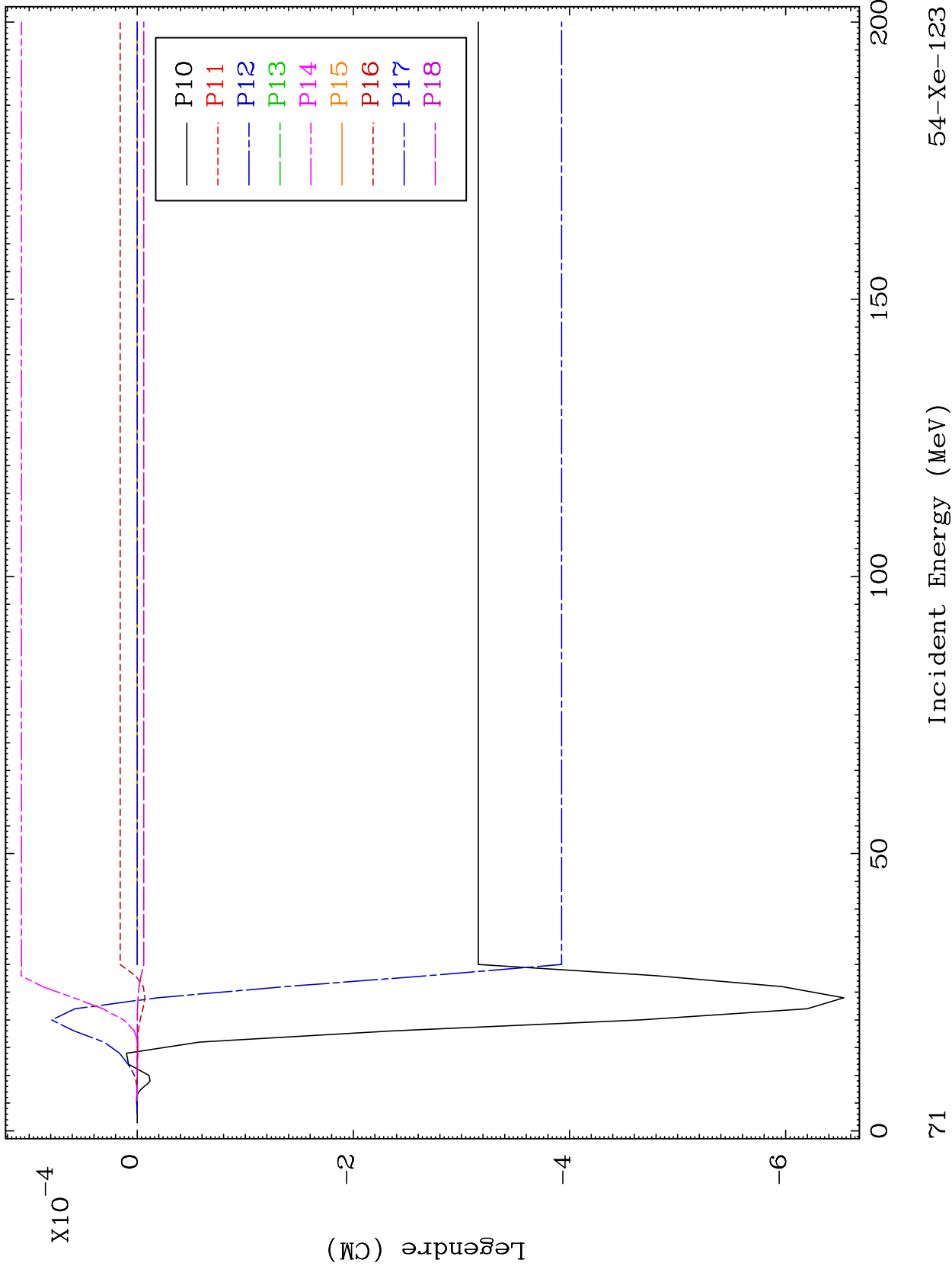
54-Xe-123



MAT 5422

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

54-Xe-123



71

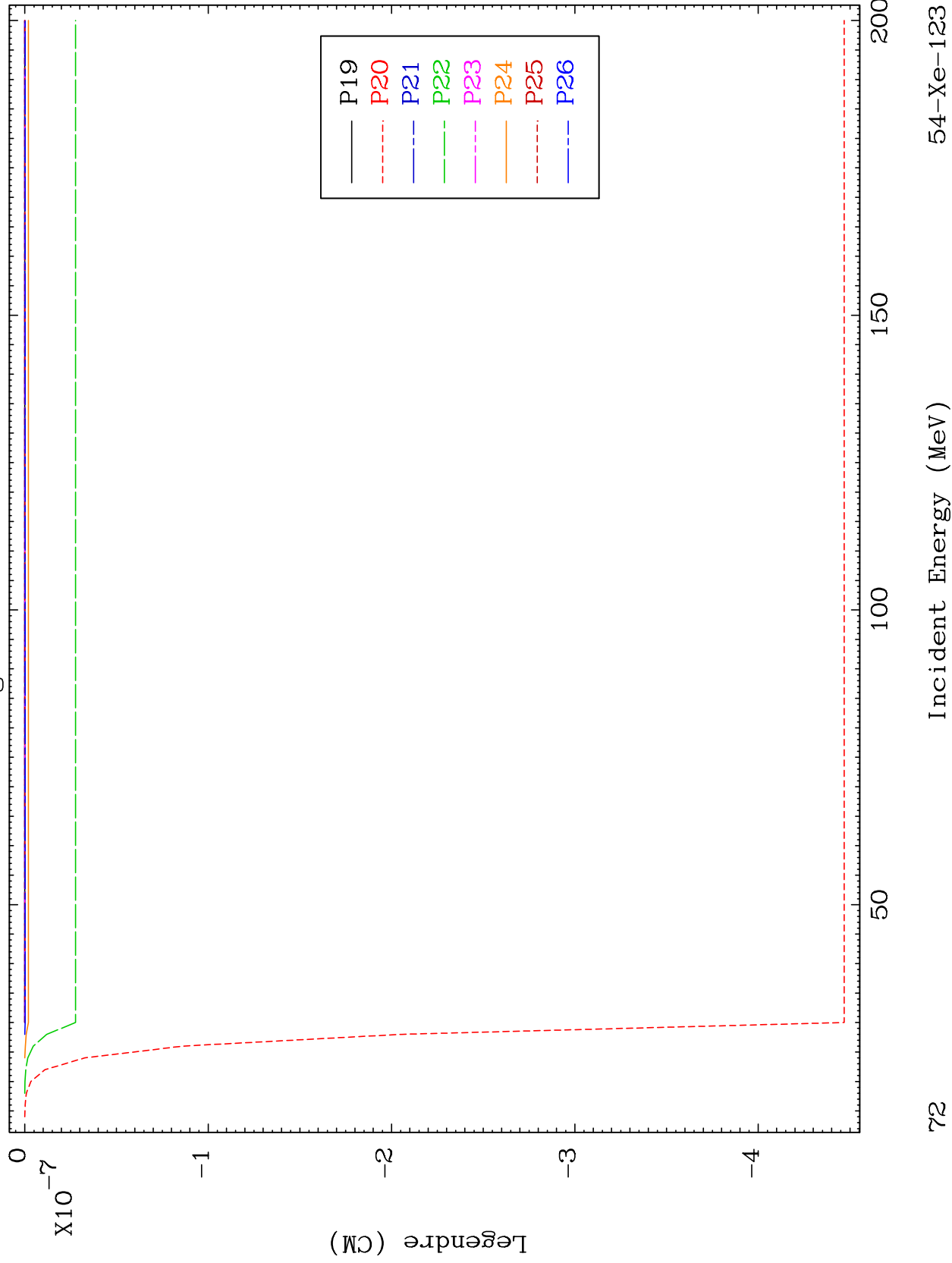
54-Xe-123



MAT 5422

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

54-Xe-123



72

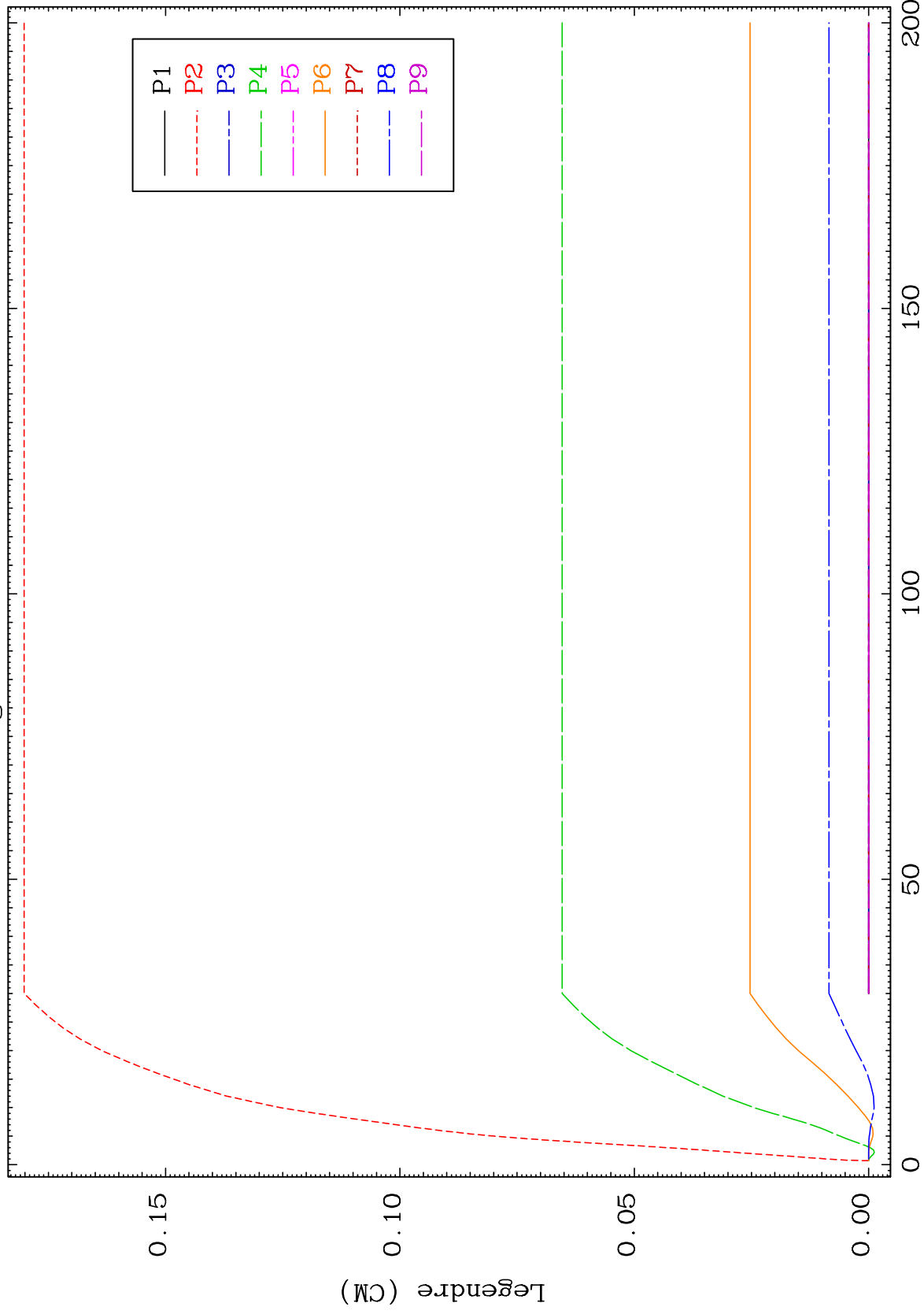
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

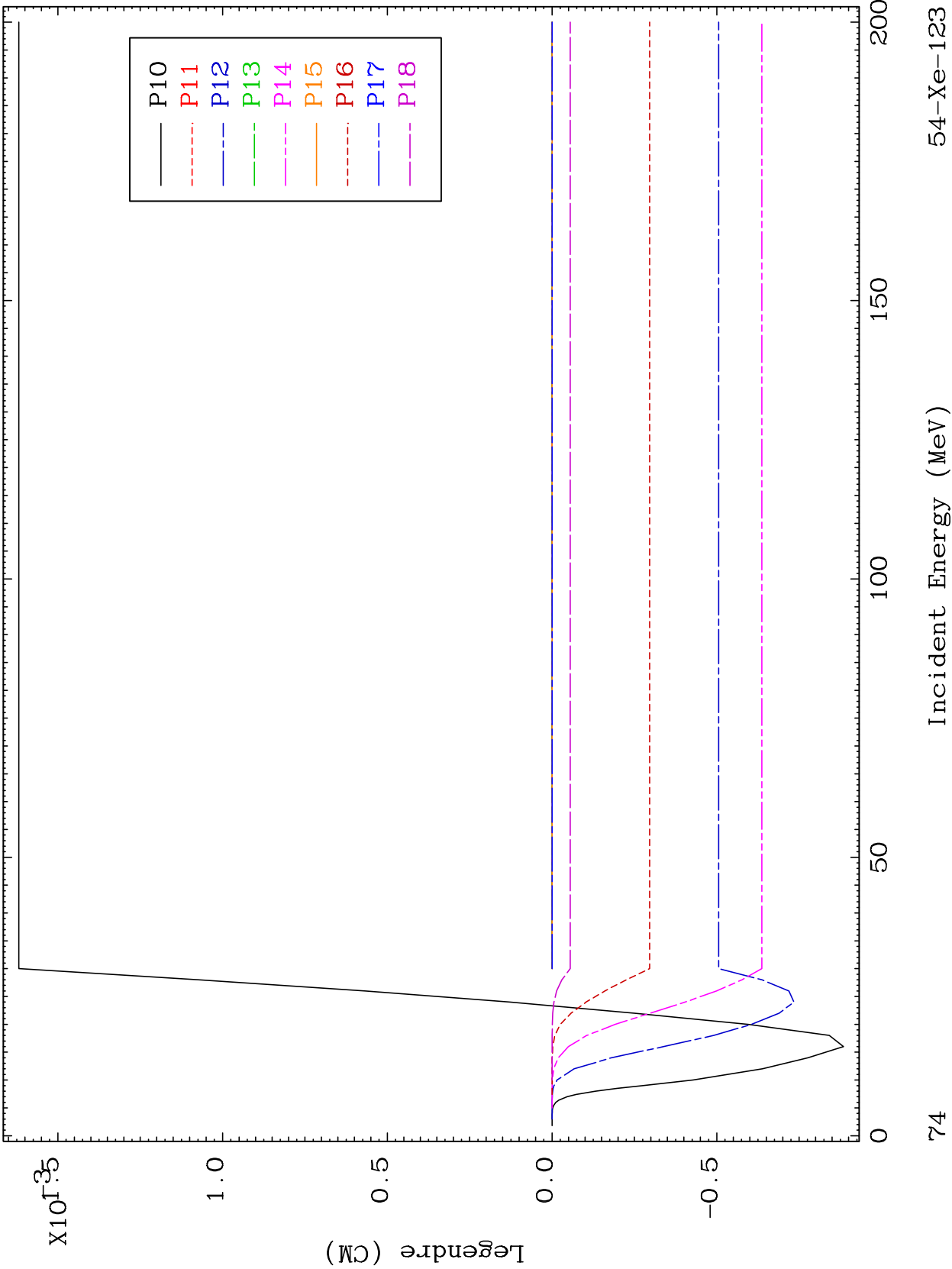
54-Xe-123



73

Incident Energy (MeV)

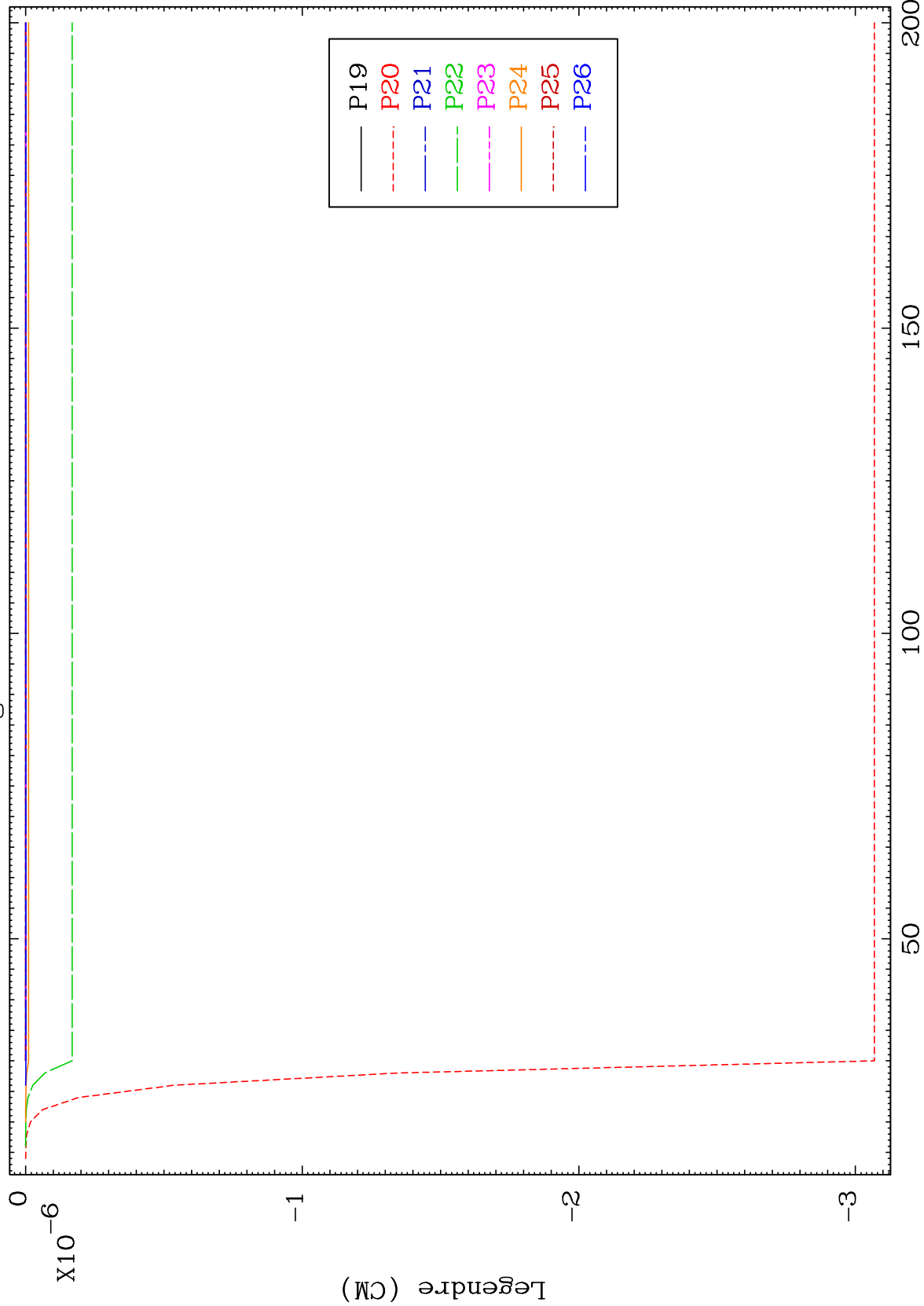
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

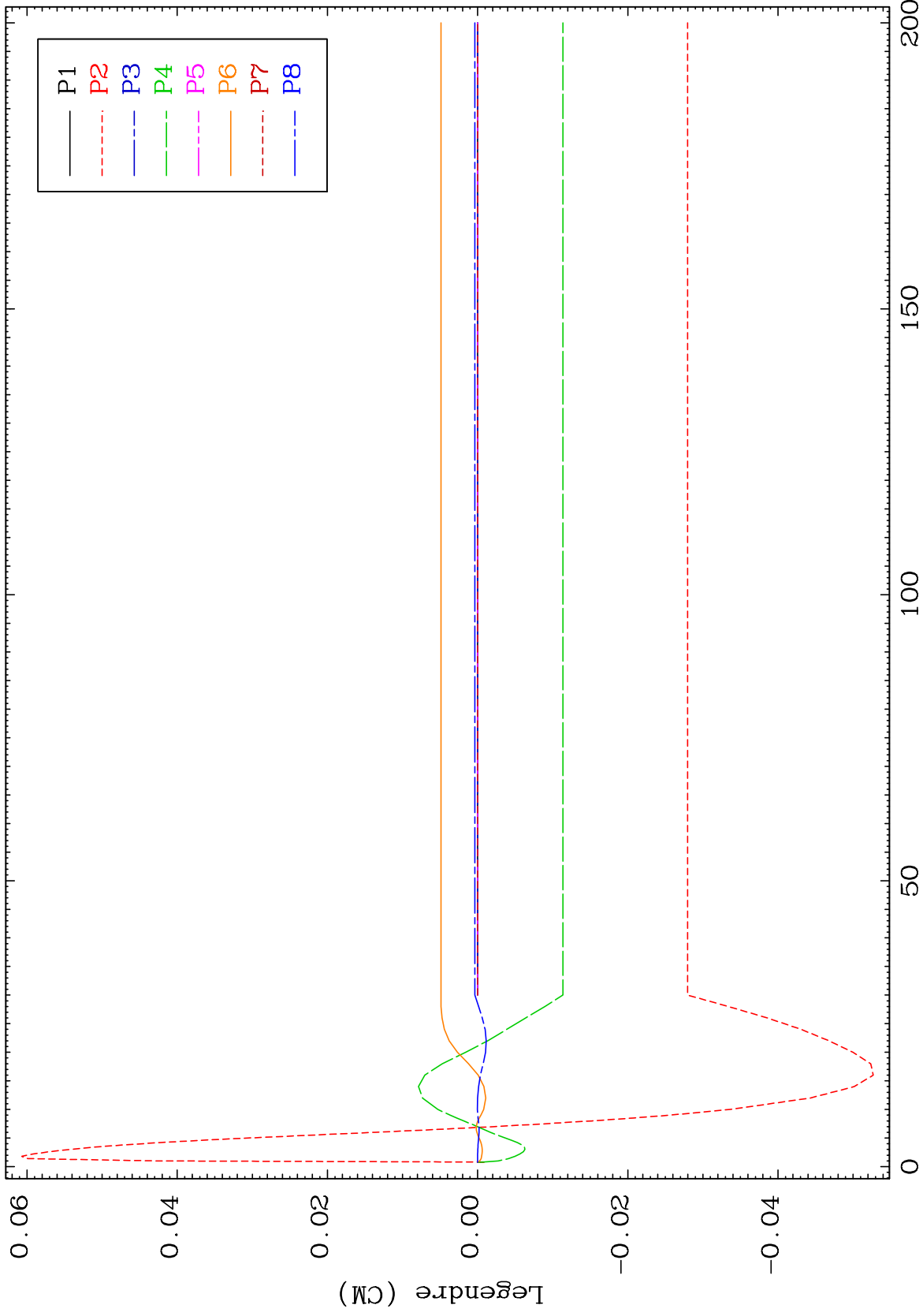
Incident Energy (MeV)

75

MAT 5422

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

54-Xe-123



76

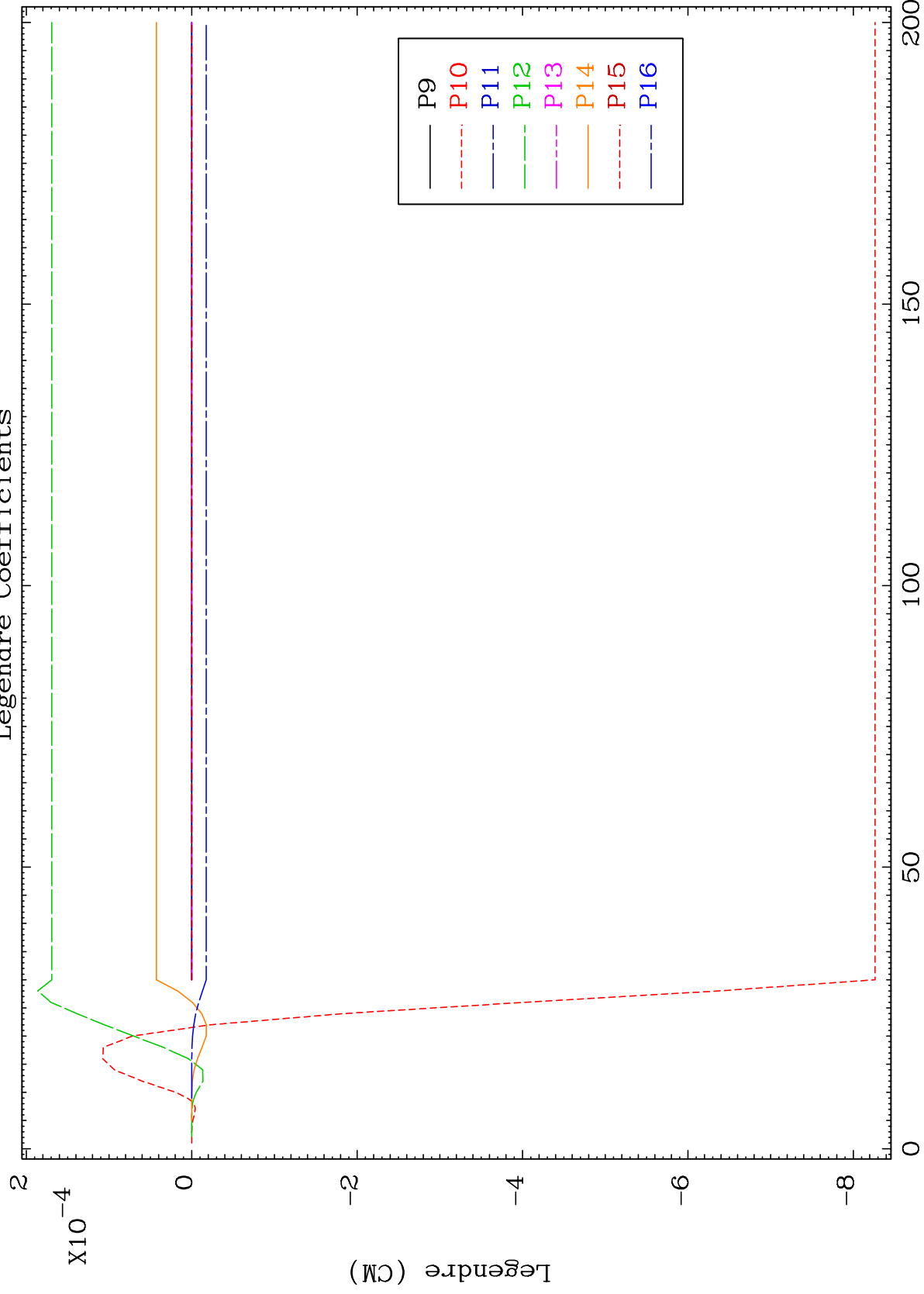
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



77

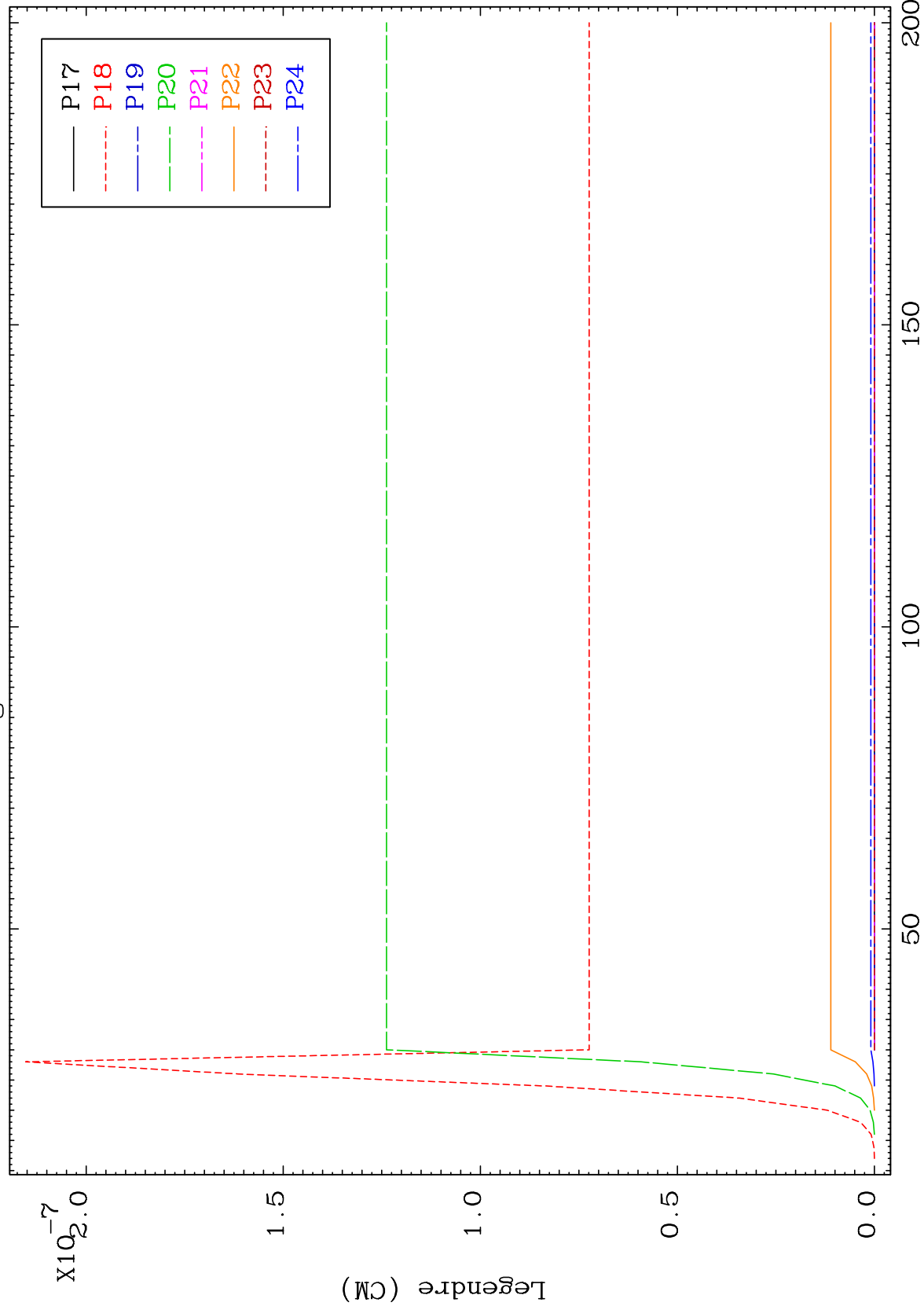
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



78

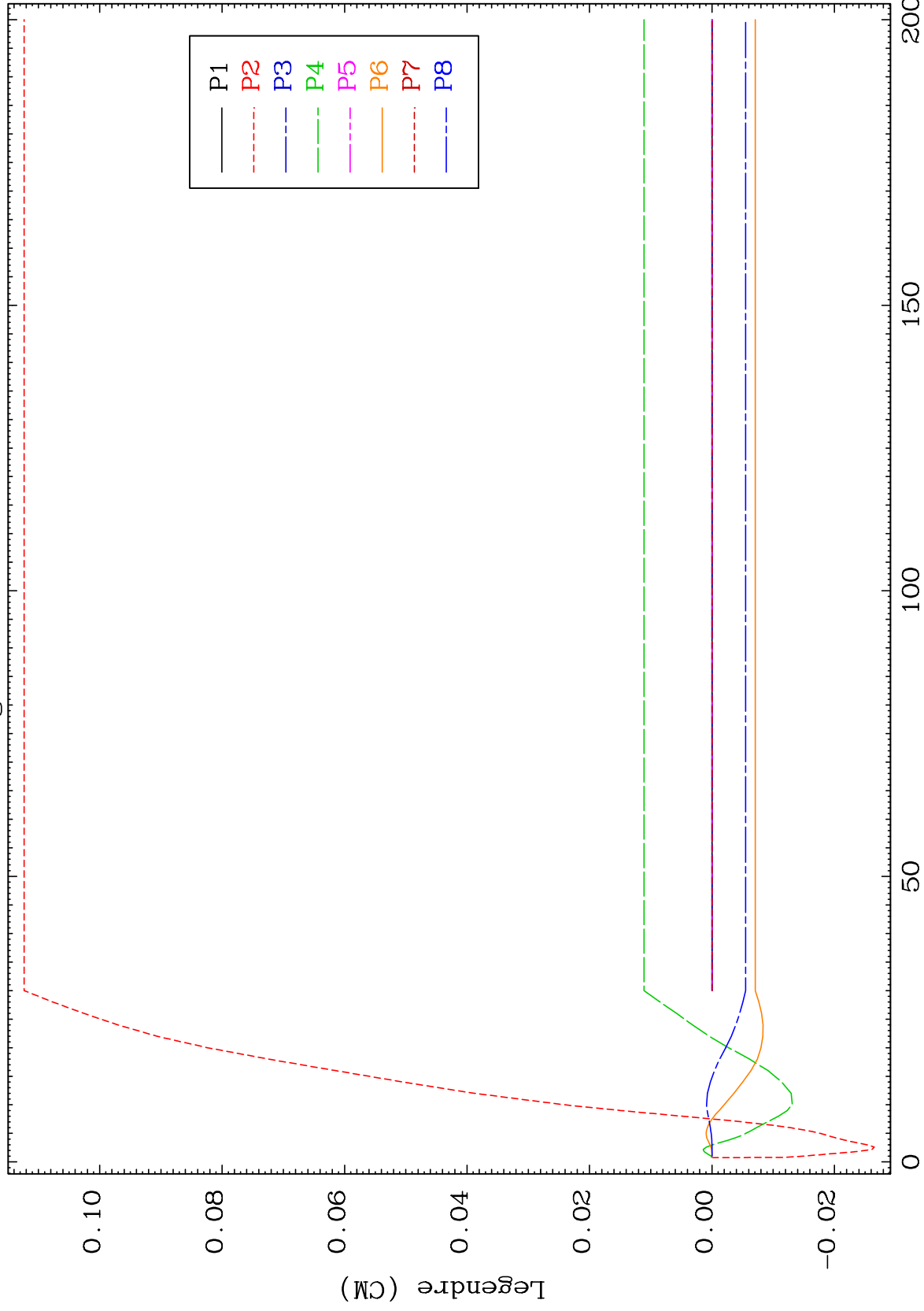
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

Incident Energy (MeV)

79

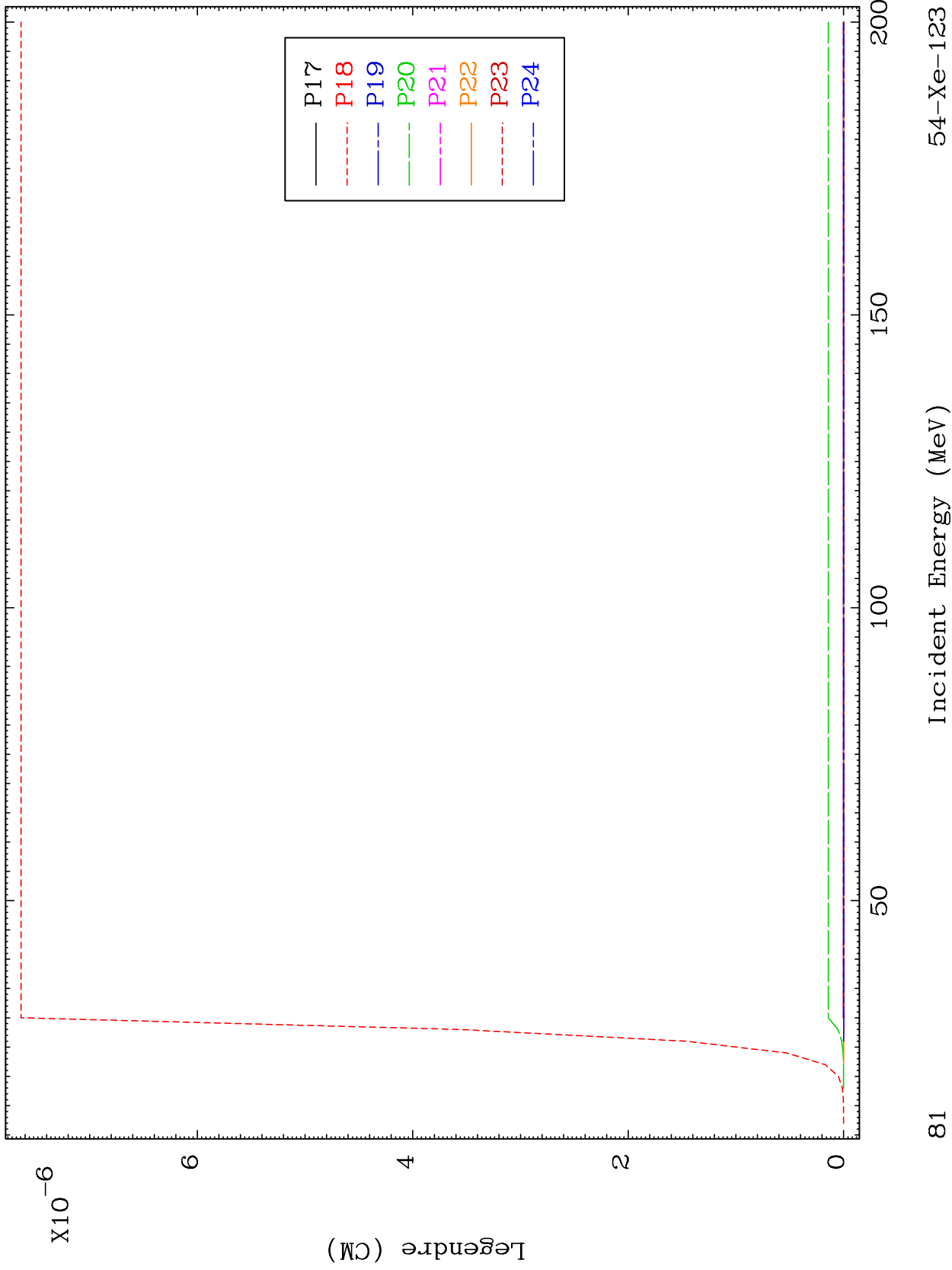




MAT 5422

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

54-Xe-123



81

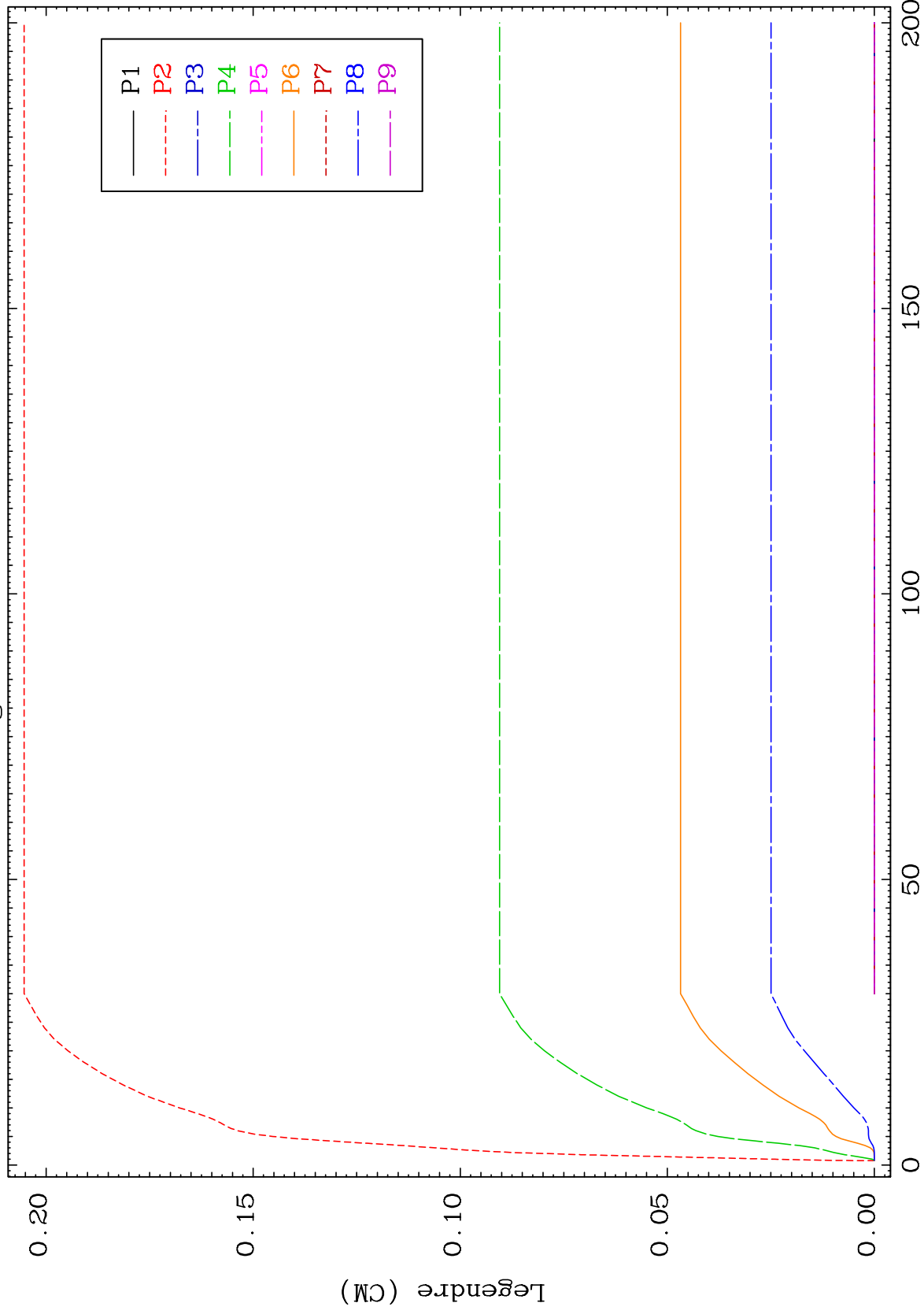
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

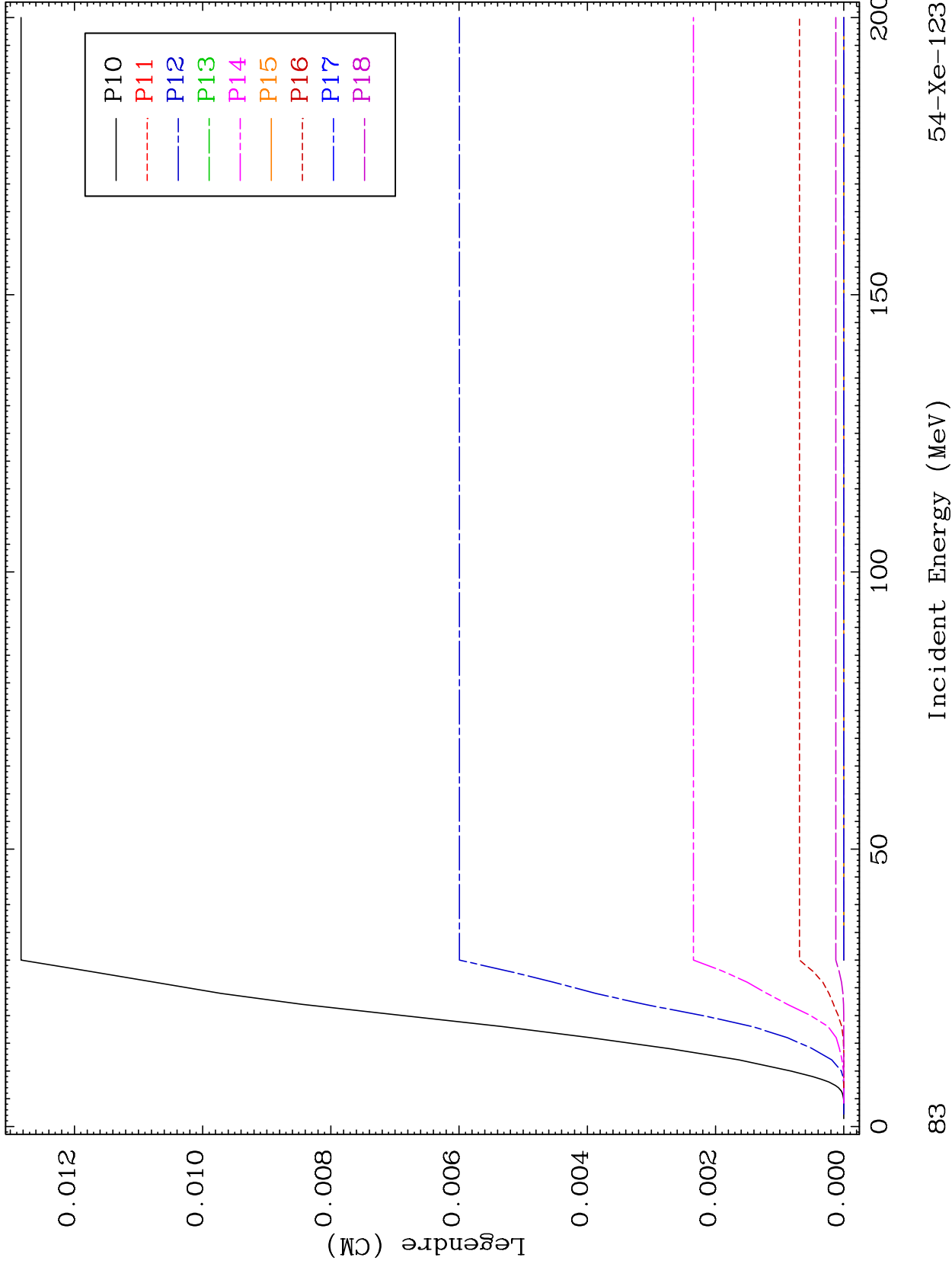
54-Xe-123



54-Xe-123

Incident Energy (MeV)

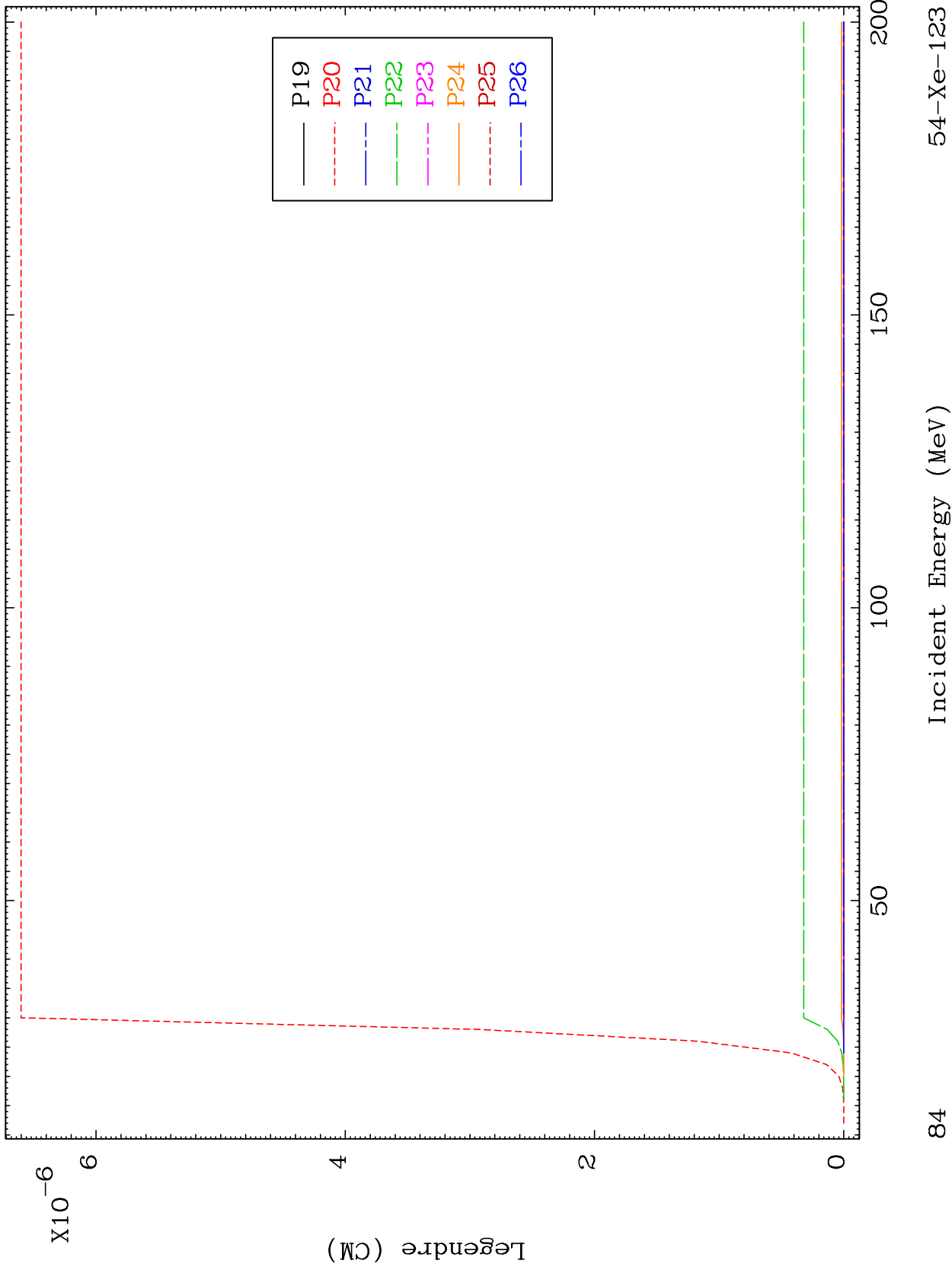
82



MAT 5422

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

54-Xe-123



84

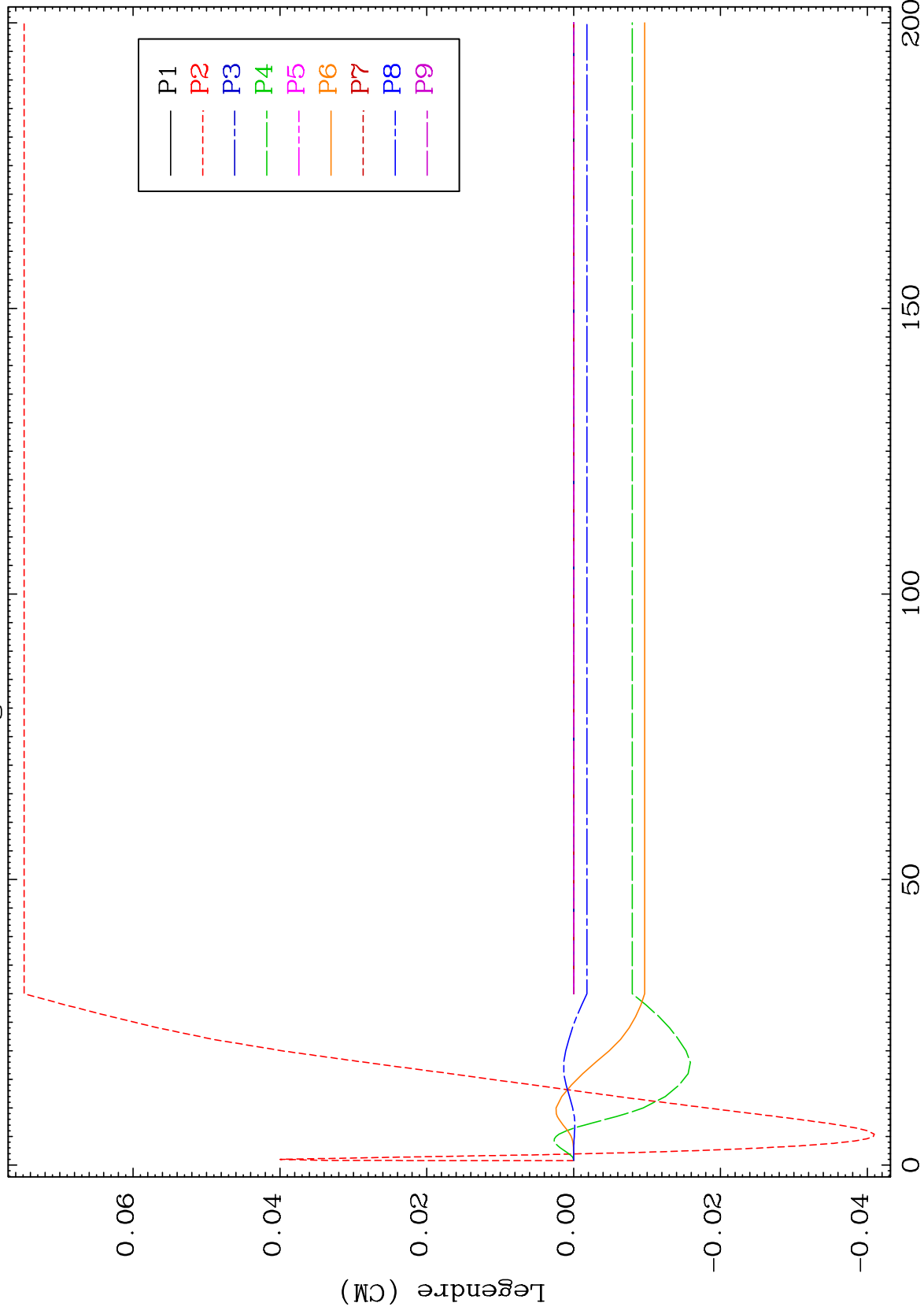
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

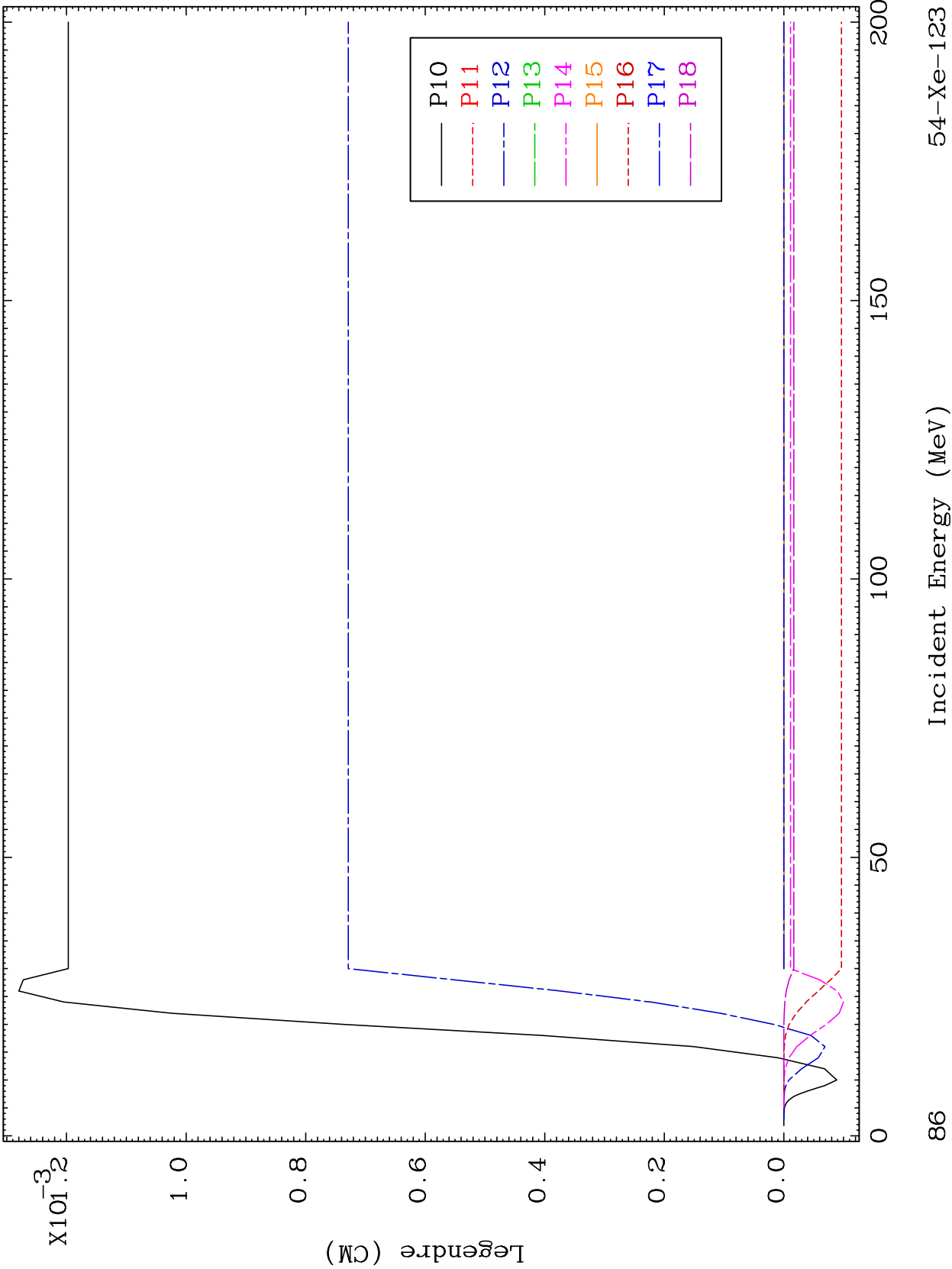
54-Xe-123



85

Incident Energy (MeV)

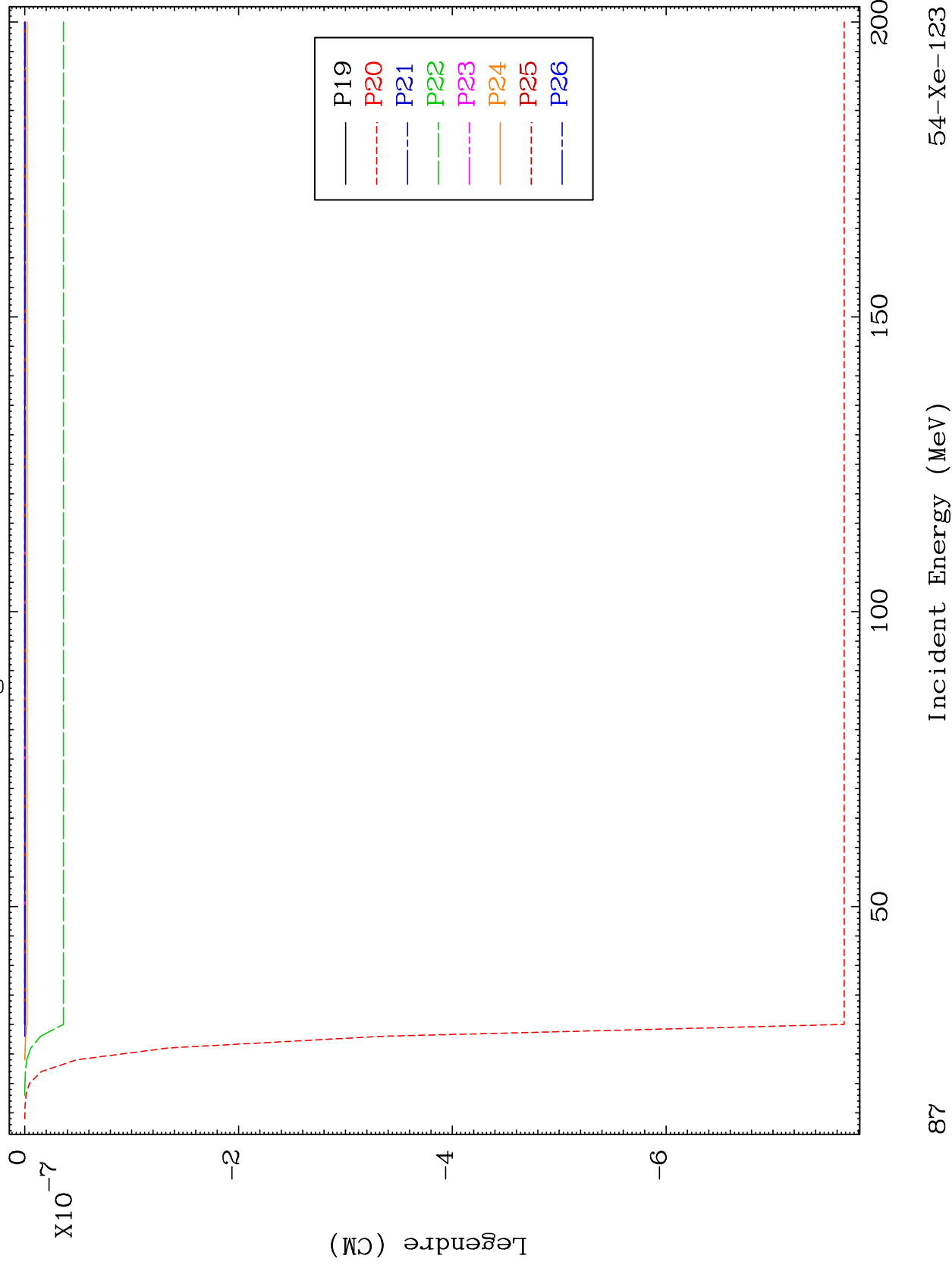
54-Xe-123



MAT 5422

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

54-Xe-123



87

Incident Energy (MeV)

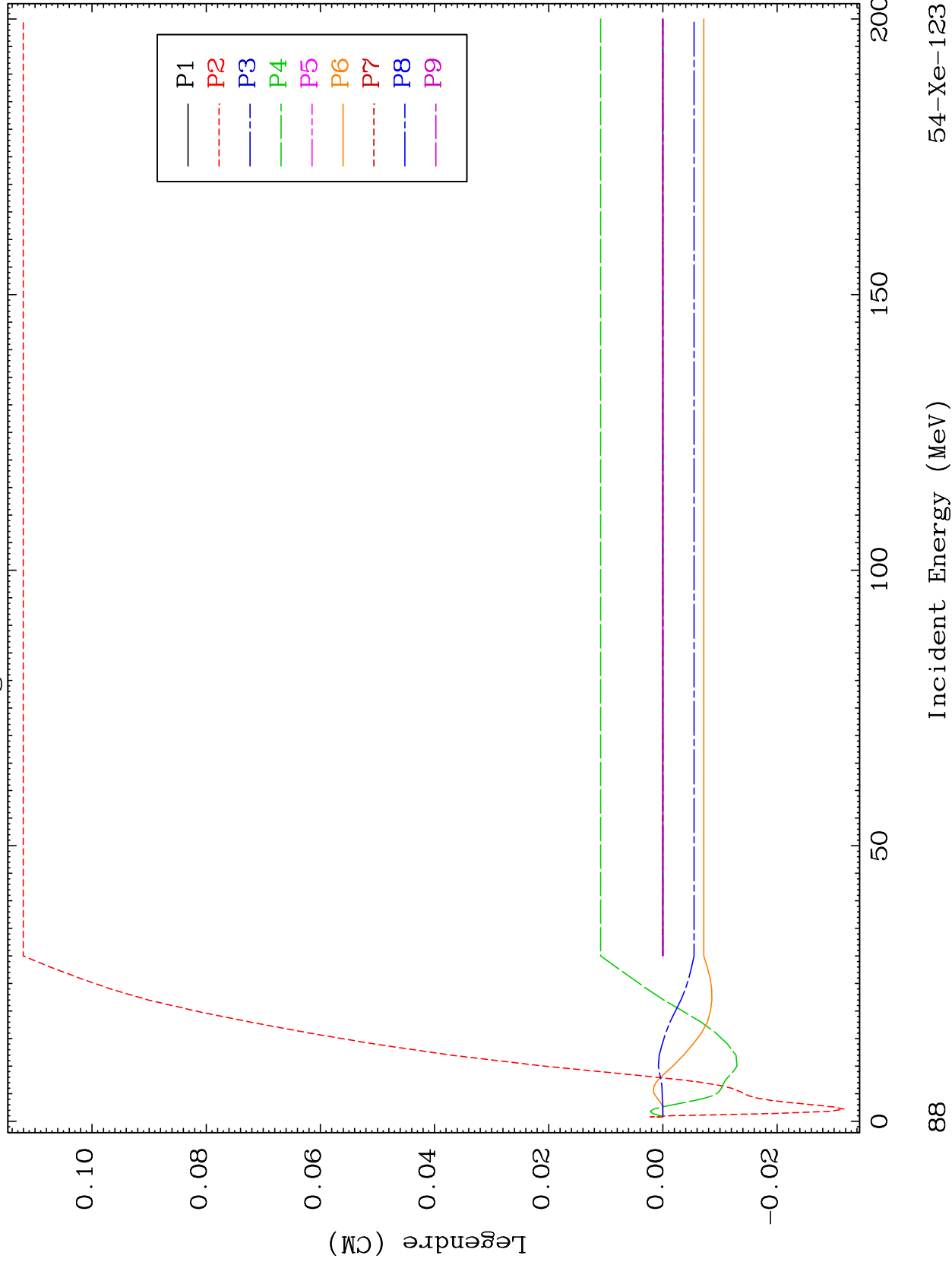
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

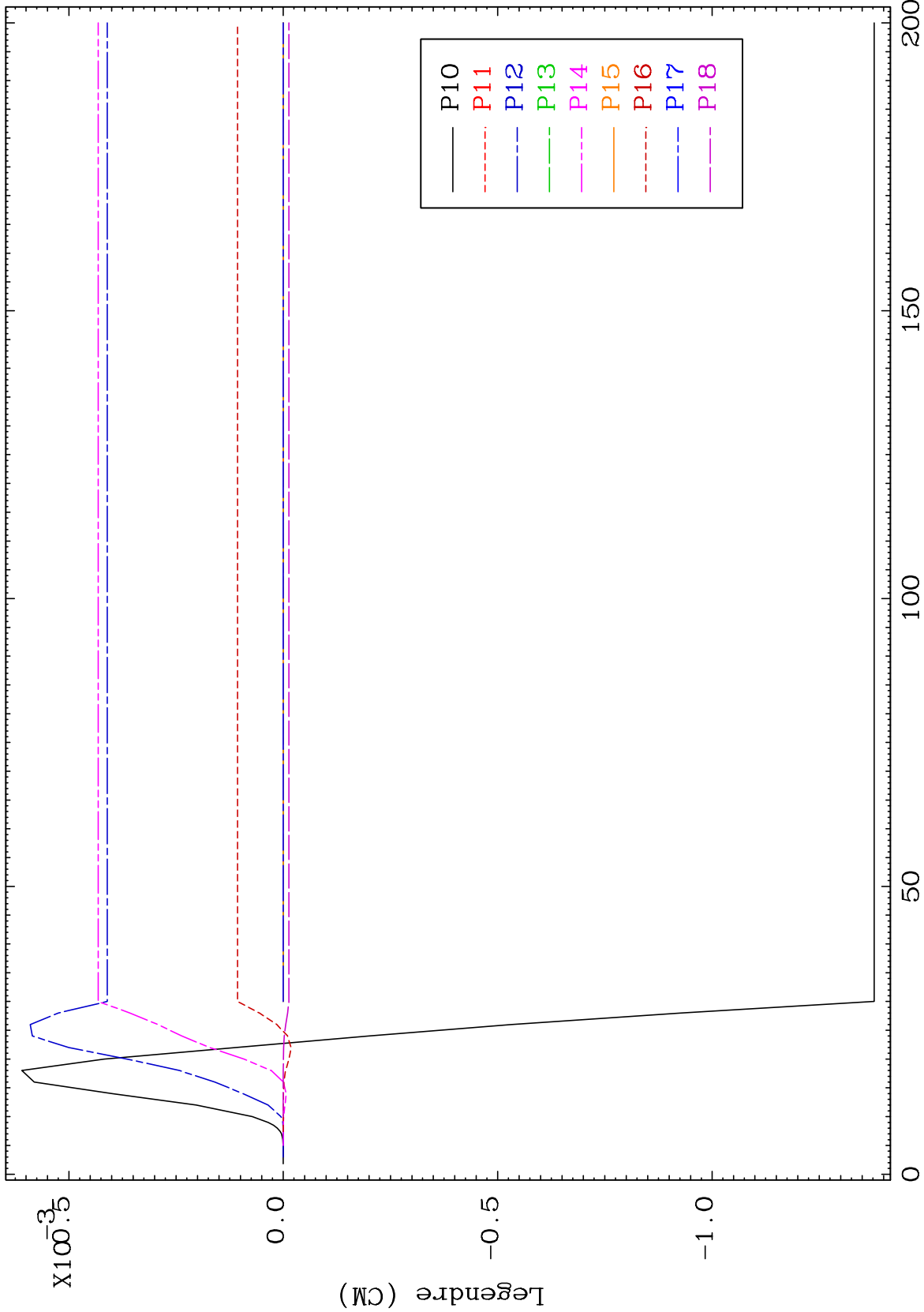
Incident Energy (MeV)

88

MAT 5422

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

54-Xe-123



89

Incident Energy (MeV)

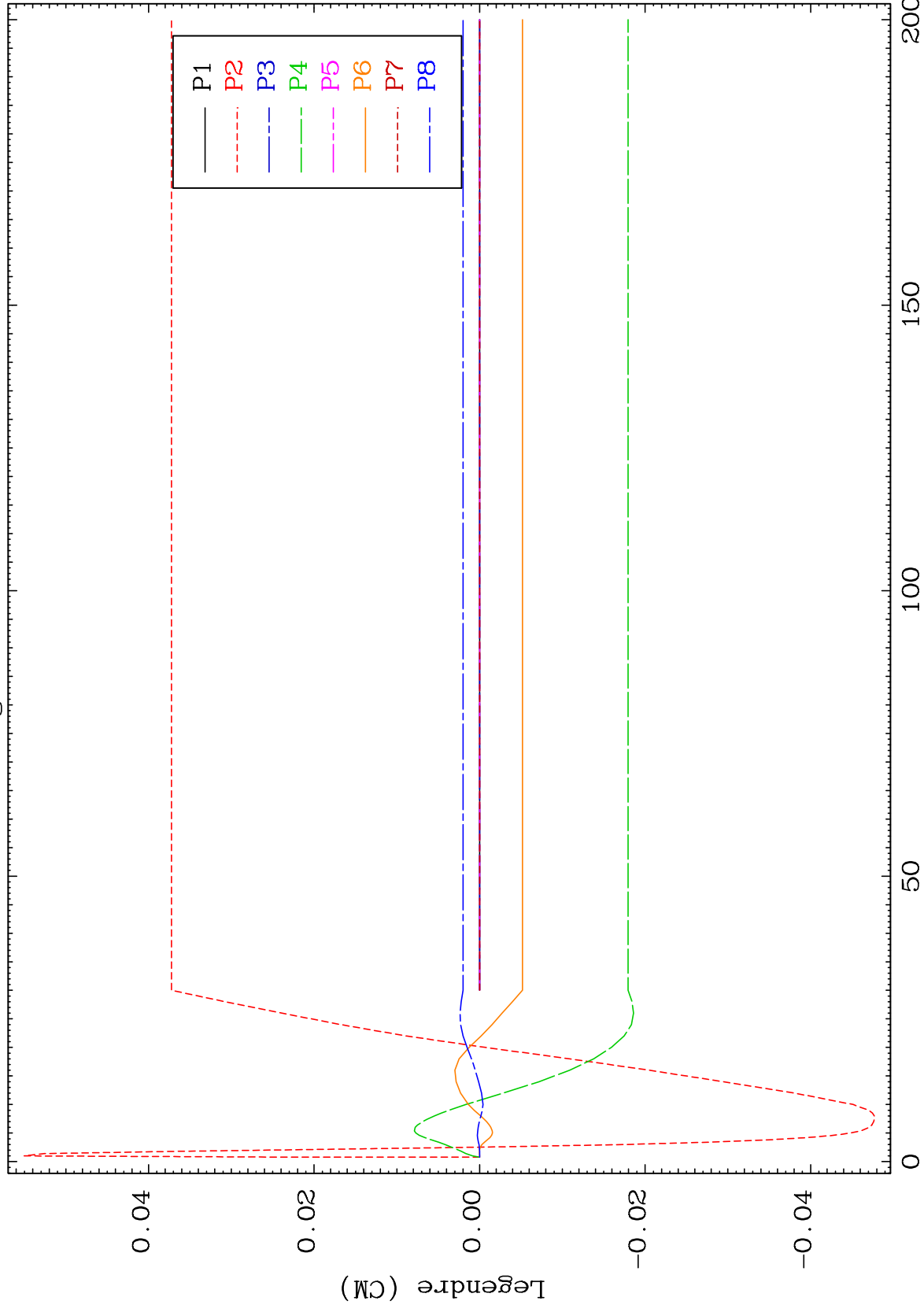
54-Xe-123



MAT 5422

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

54-Xe-123



91

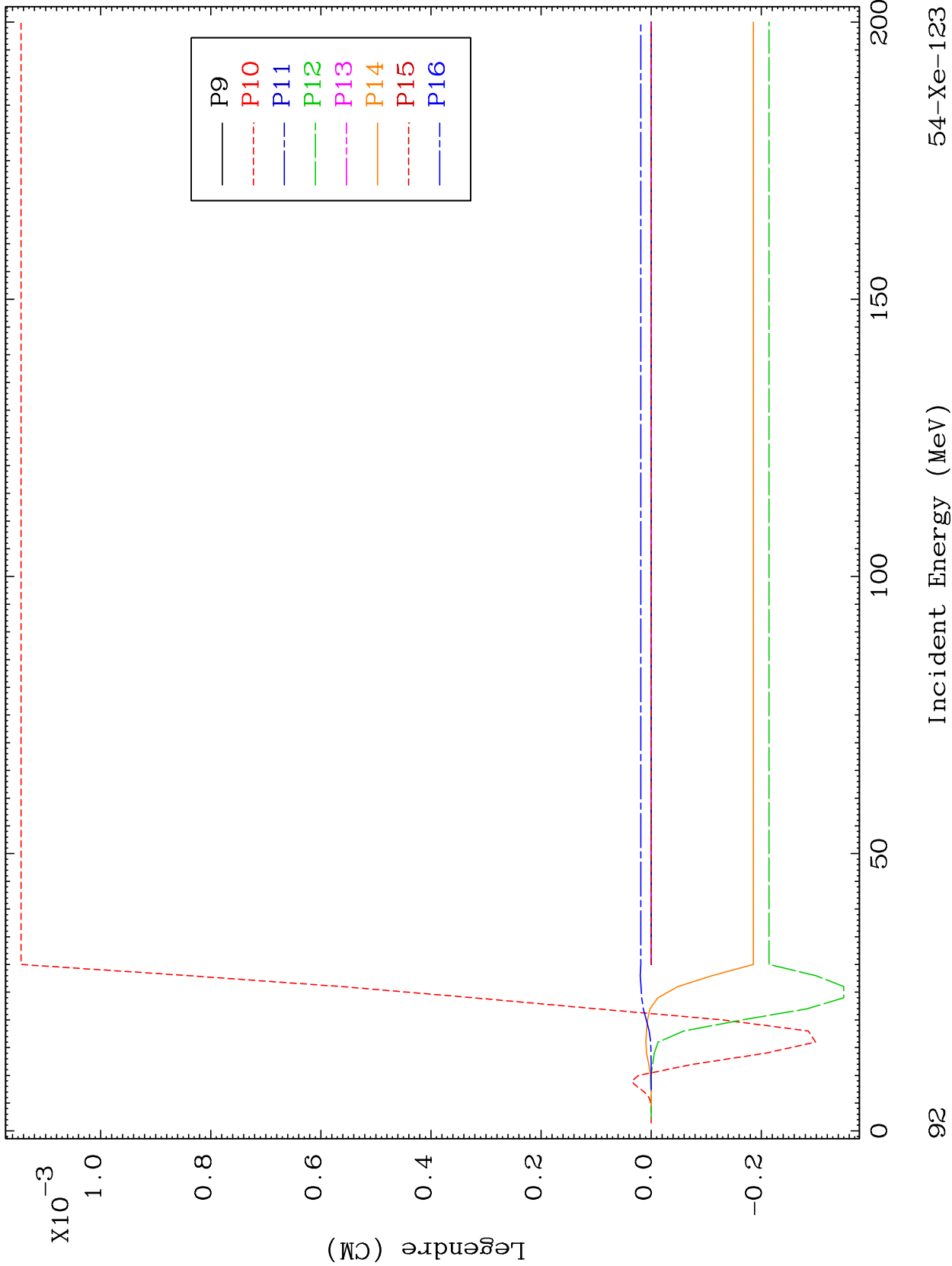
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

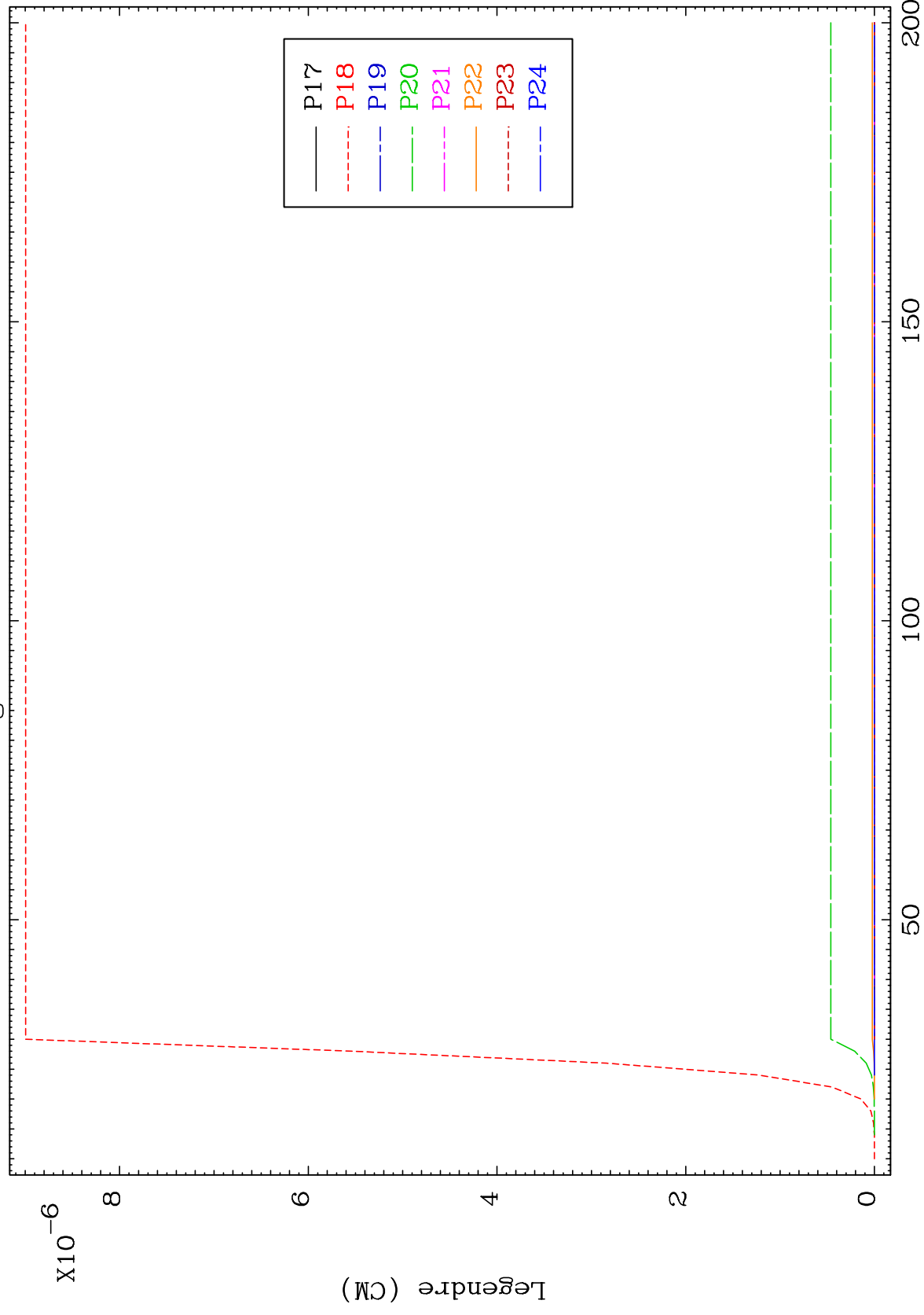
Incident Energy (MeV)

92

MAT 5422

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

54-Xe-123



93

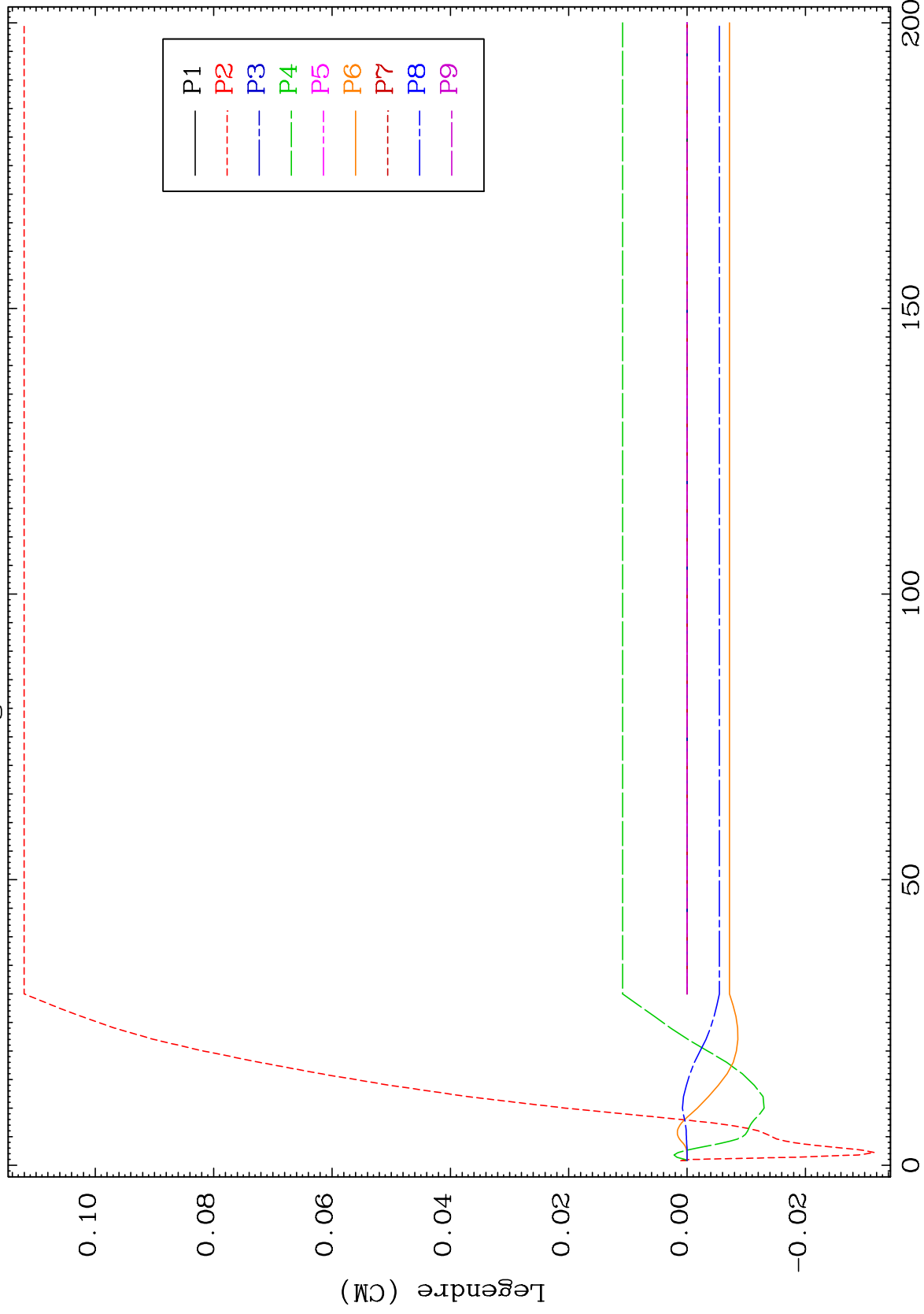
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

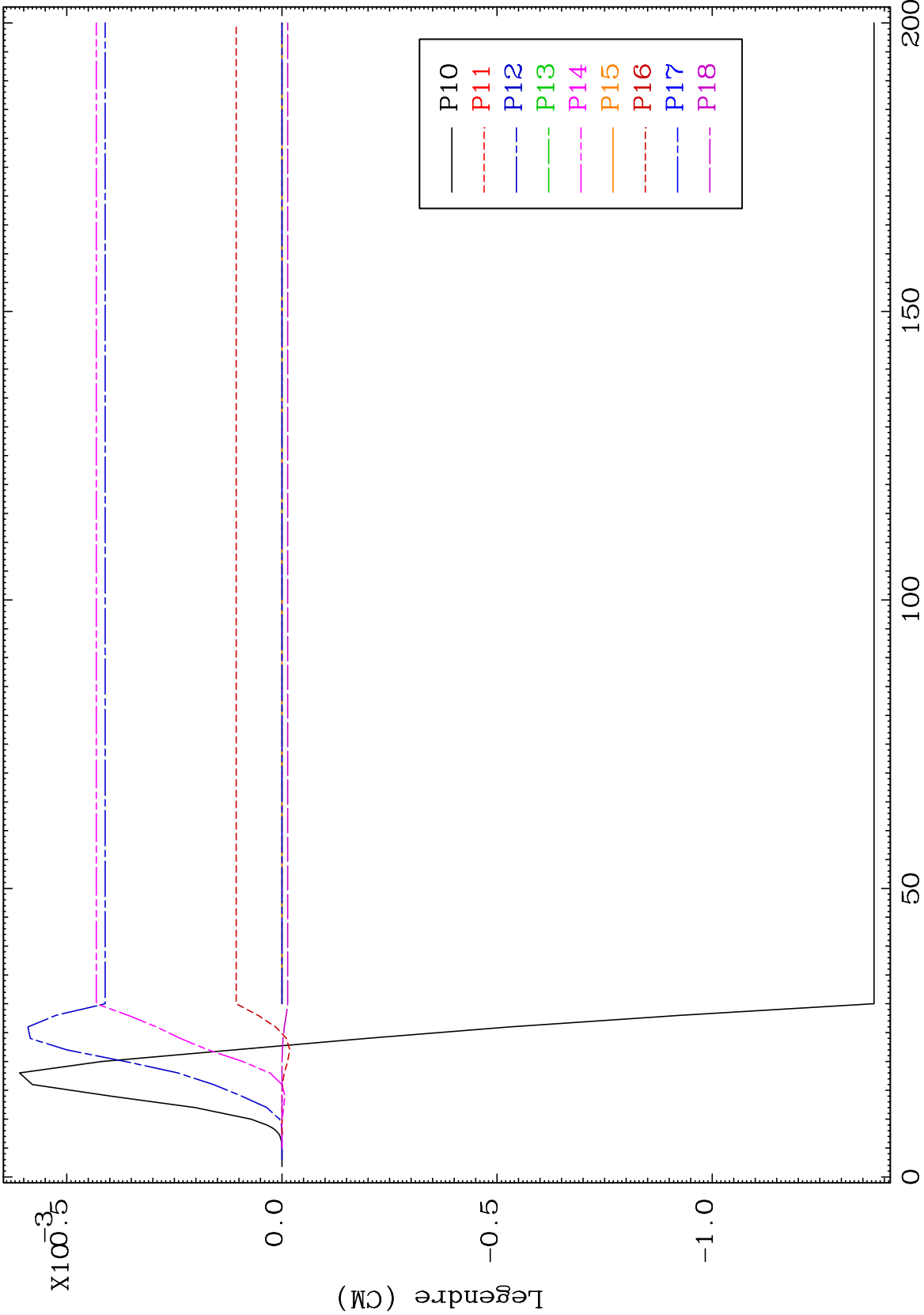
Incident Energy (MeV)

94

MAT 5422

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

54-Xe-123



95

Incident Energy (MeV)

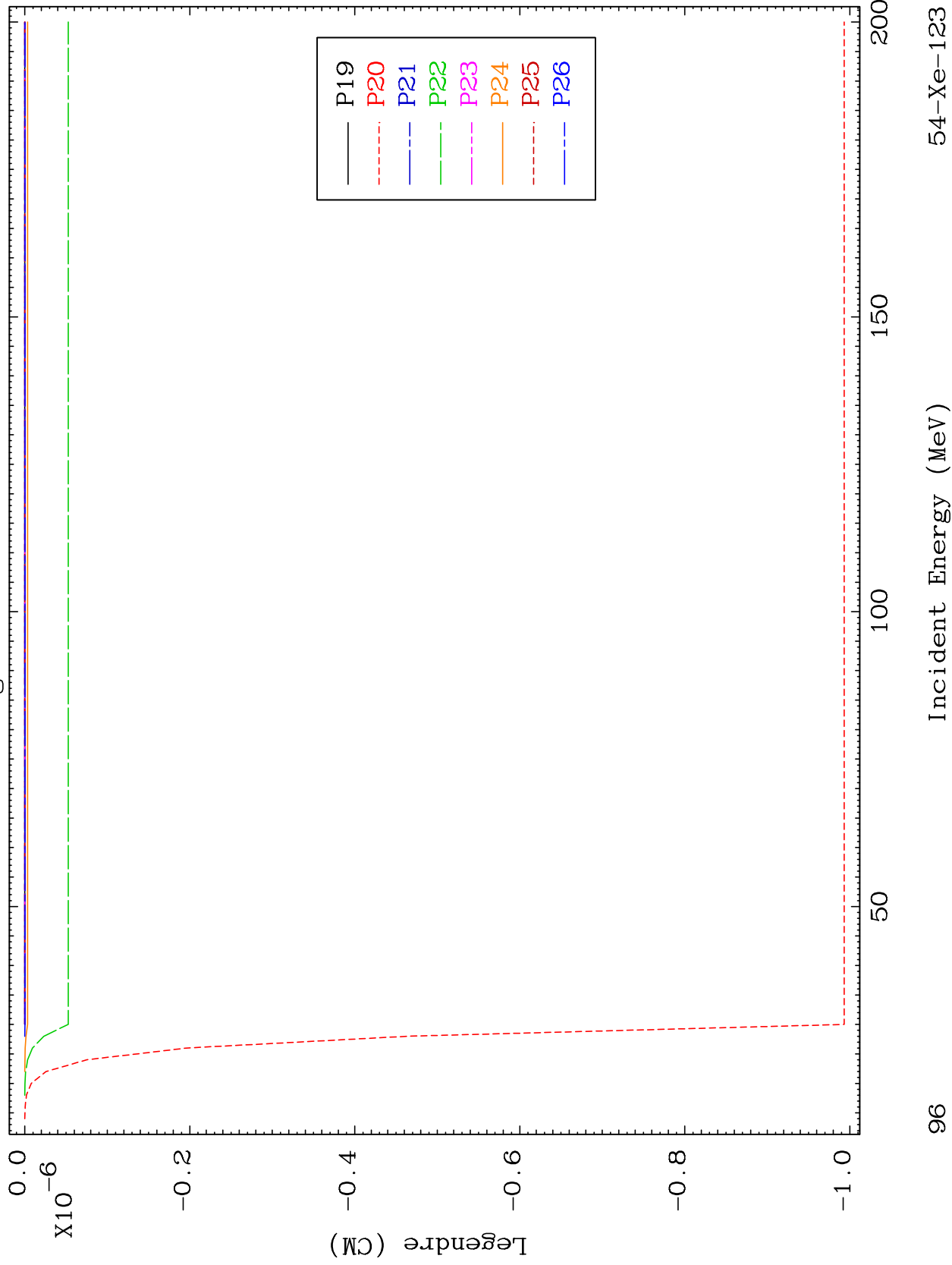
54-Xe-123



MAT 5422

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

54-Xe-123



96

Incident Energy (MeV)

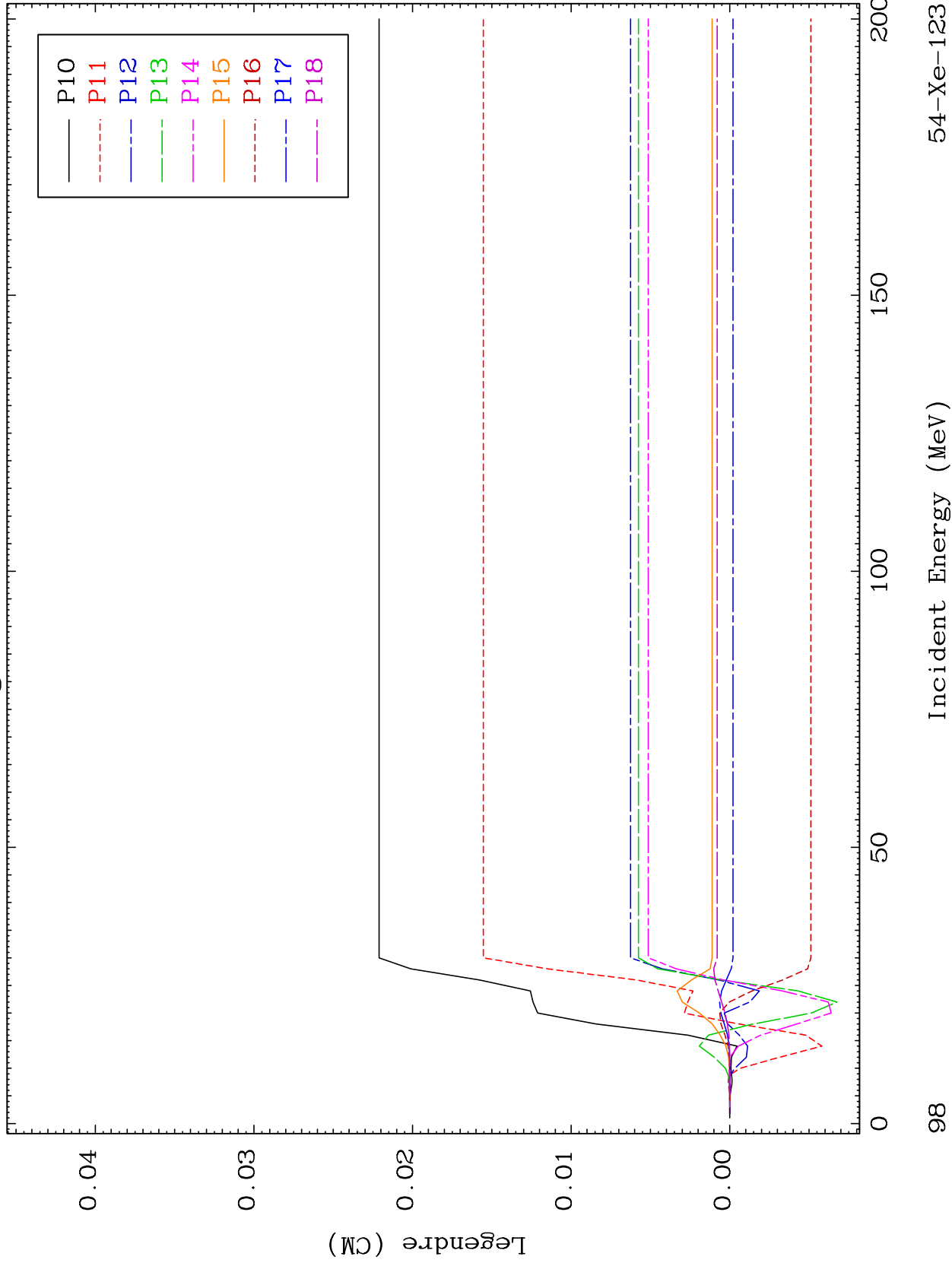
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

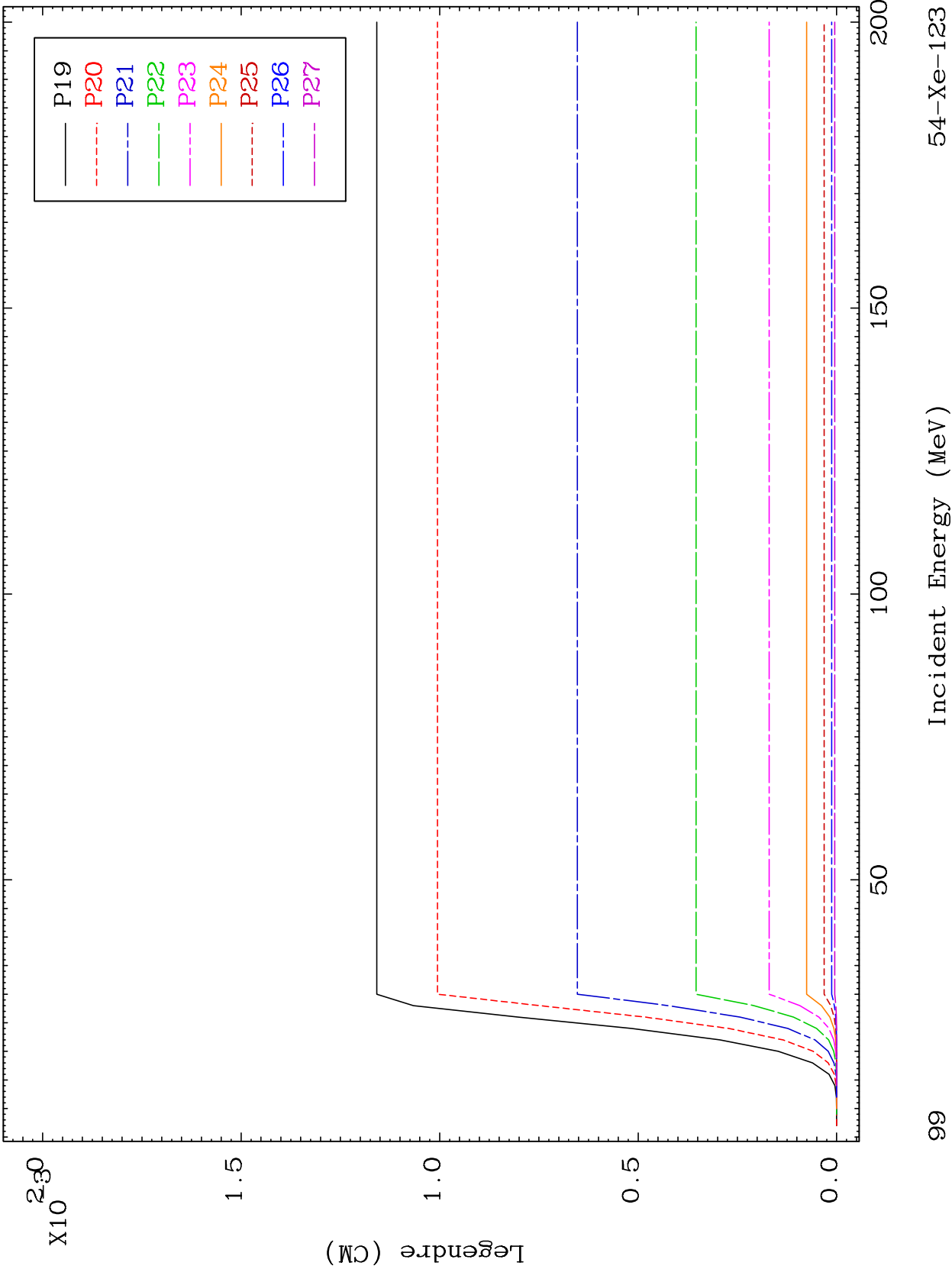
Incident Energy (MeV)

98

MAT 5422

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

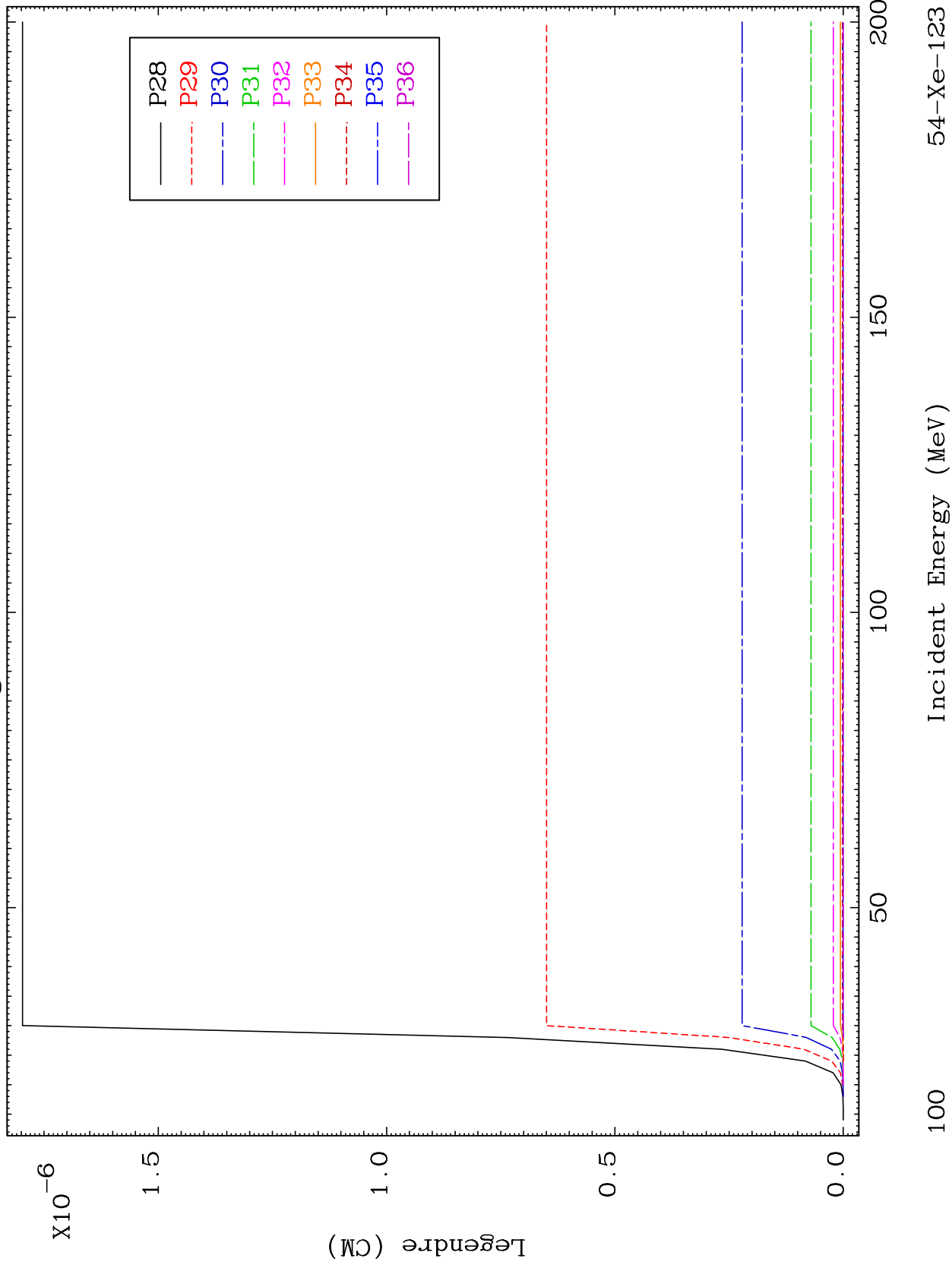
54-Xe-123



MAT 5422

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

54-Xe-123

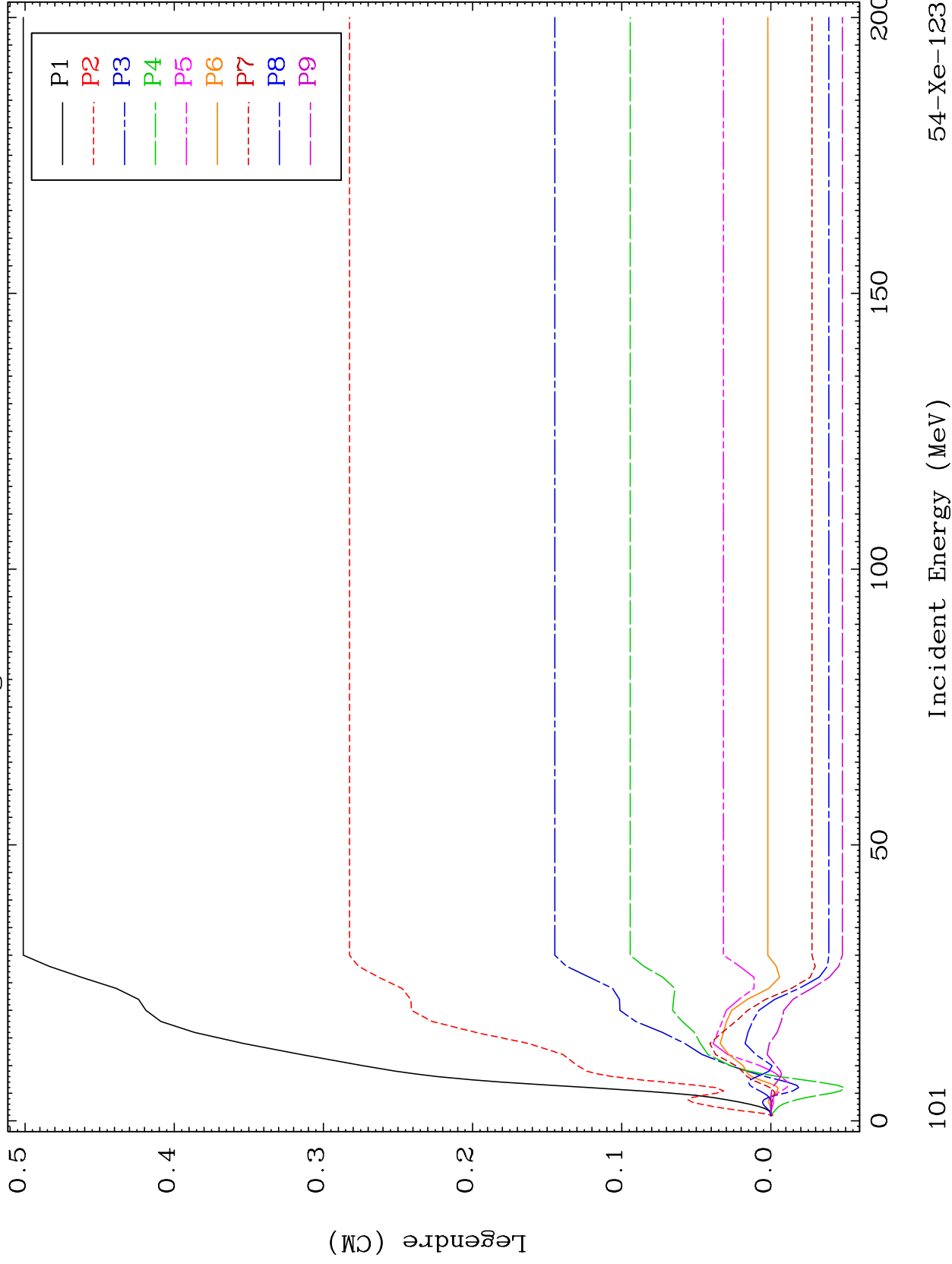


MAT 5422

MT= 77 (n,n') Level

54-Xe-123

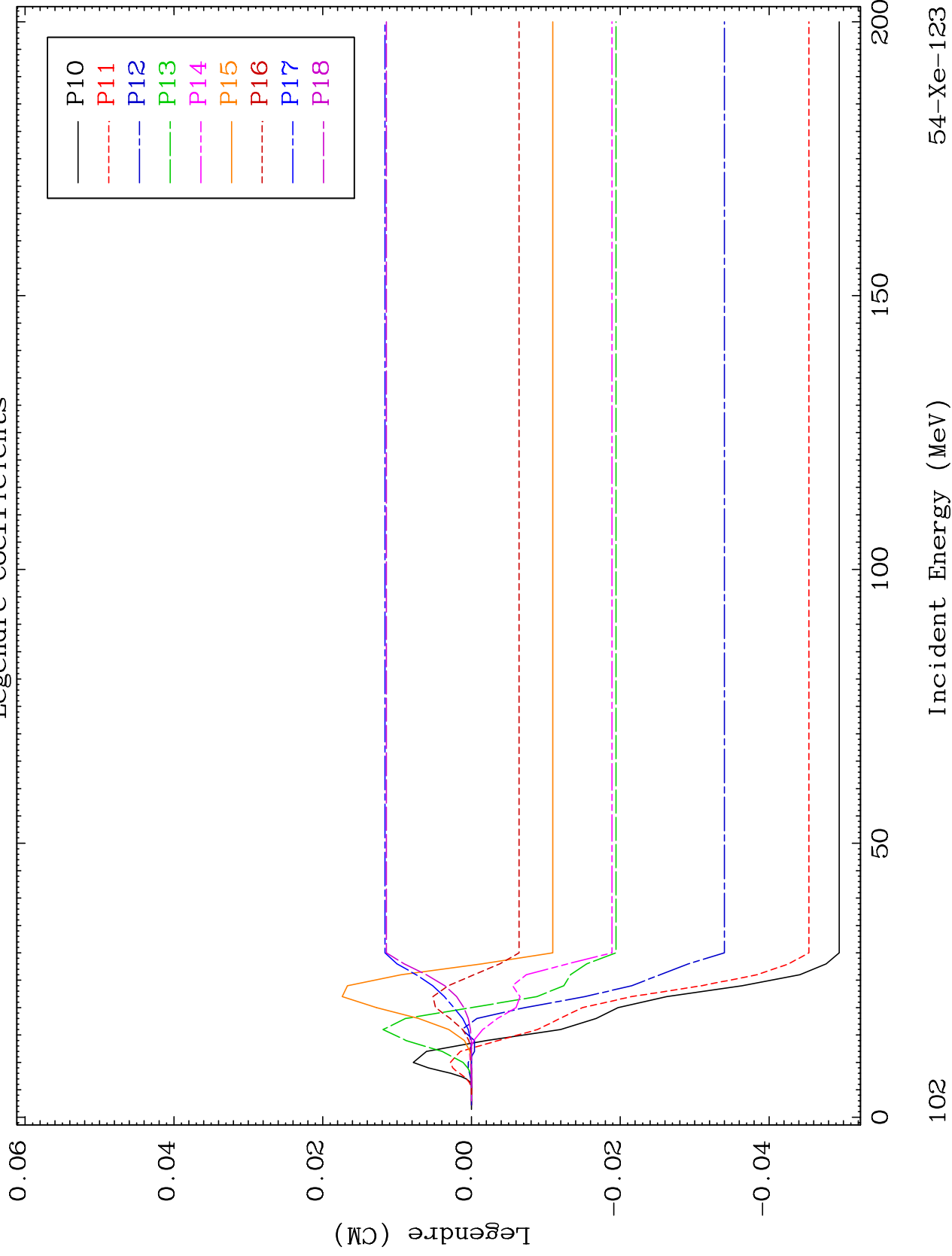
Legendre Coefficients



MAT 5422

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

54-Xe-123



54-Xe-123

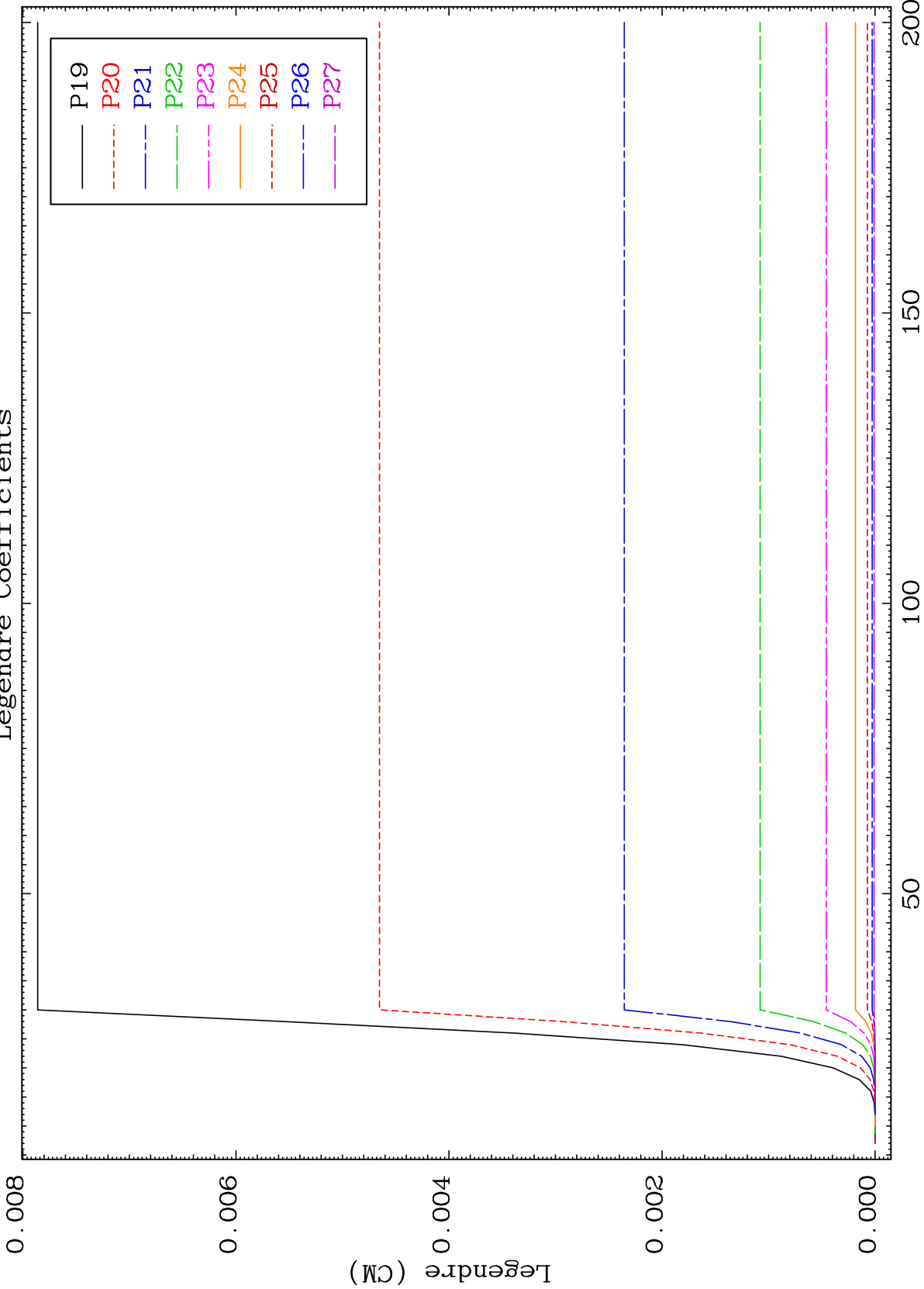
Incident Energy (MeV)

102

MAT 5422

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

54-Xe-123



103

Incident Energy (MeV)

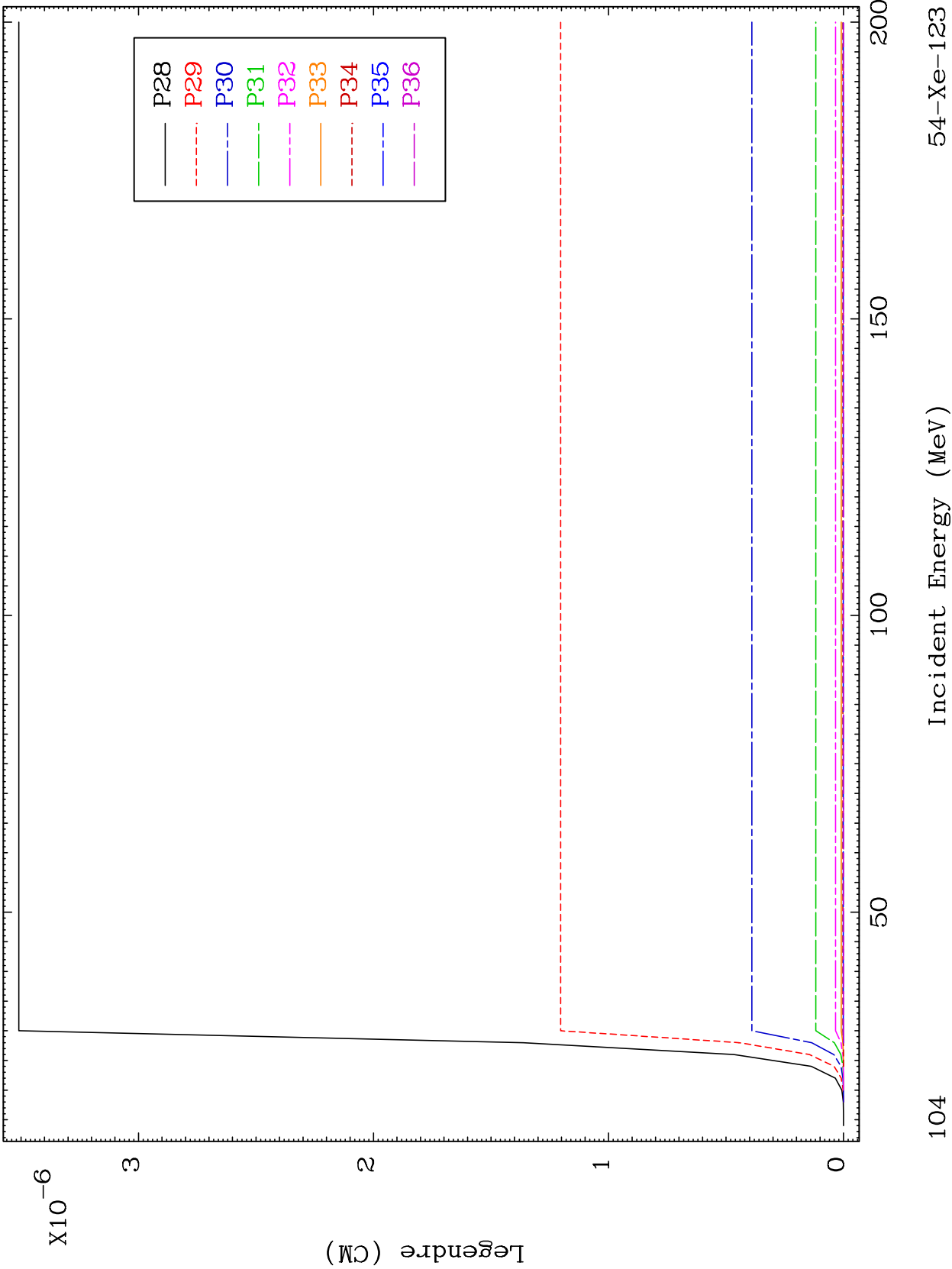
54-Xe-123



MAT 5422

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

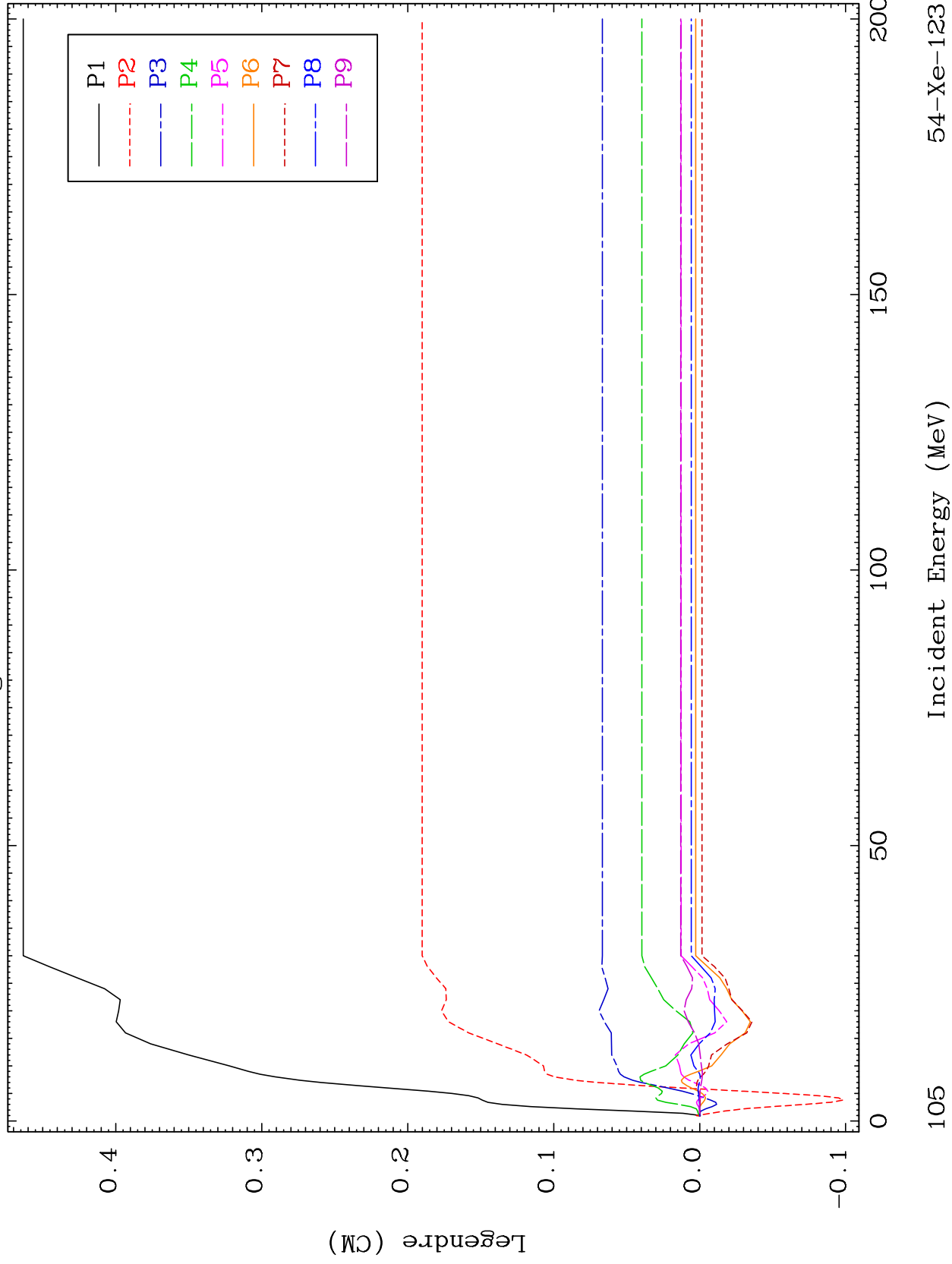
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

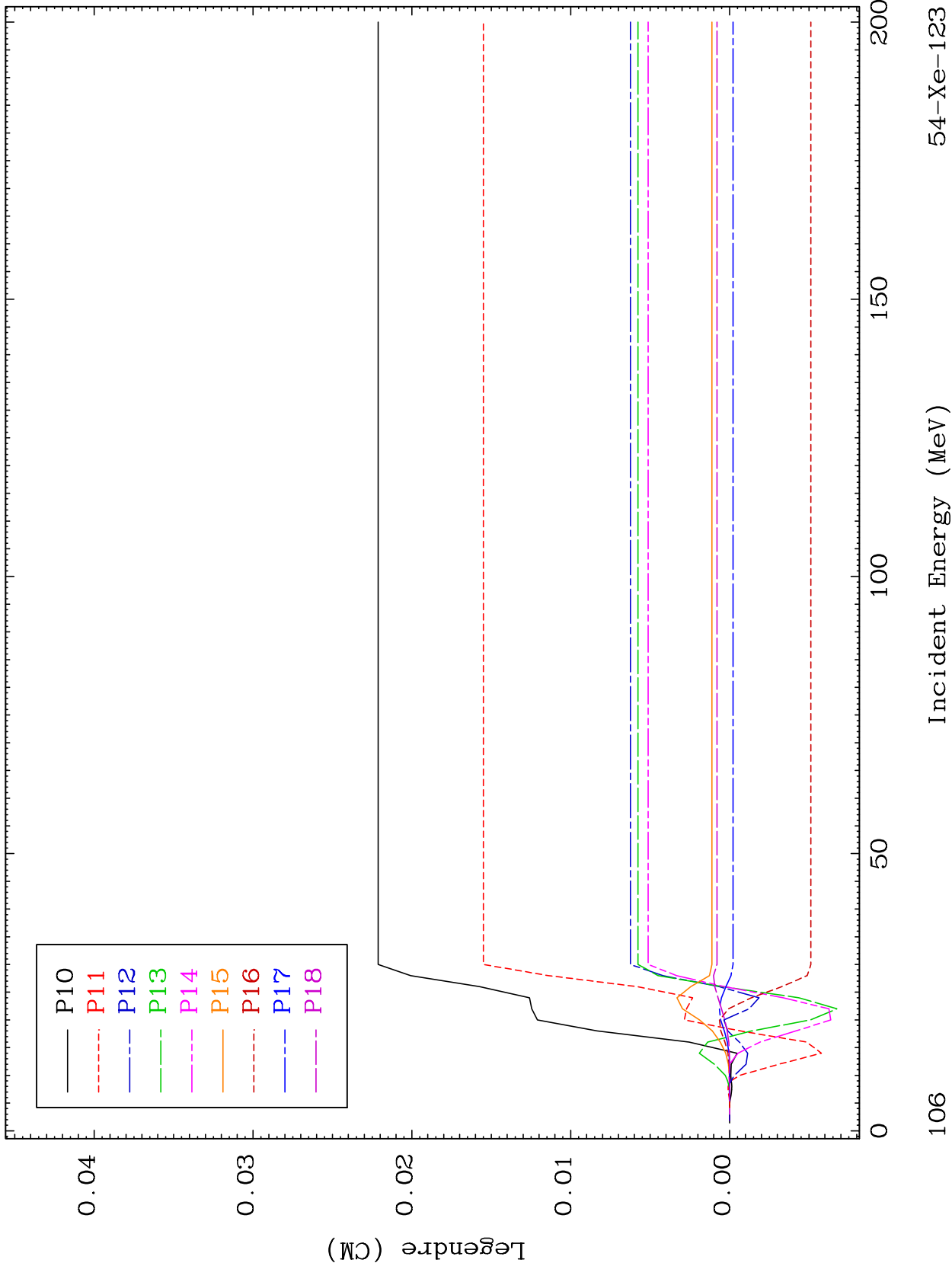
Incident Energy (MeV)

0

MAT 5422

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

54-Xe-123



106

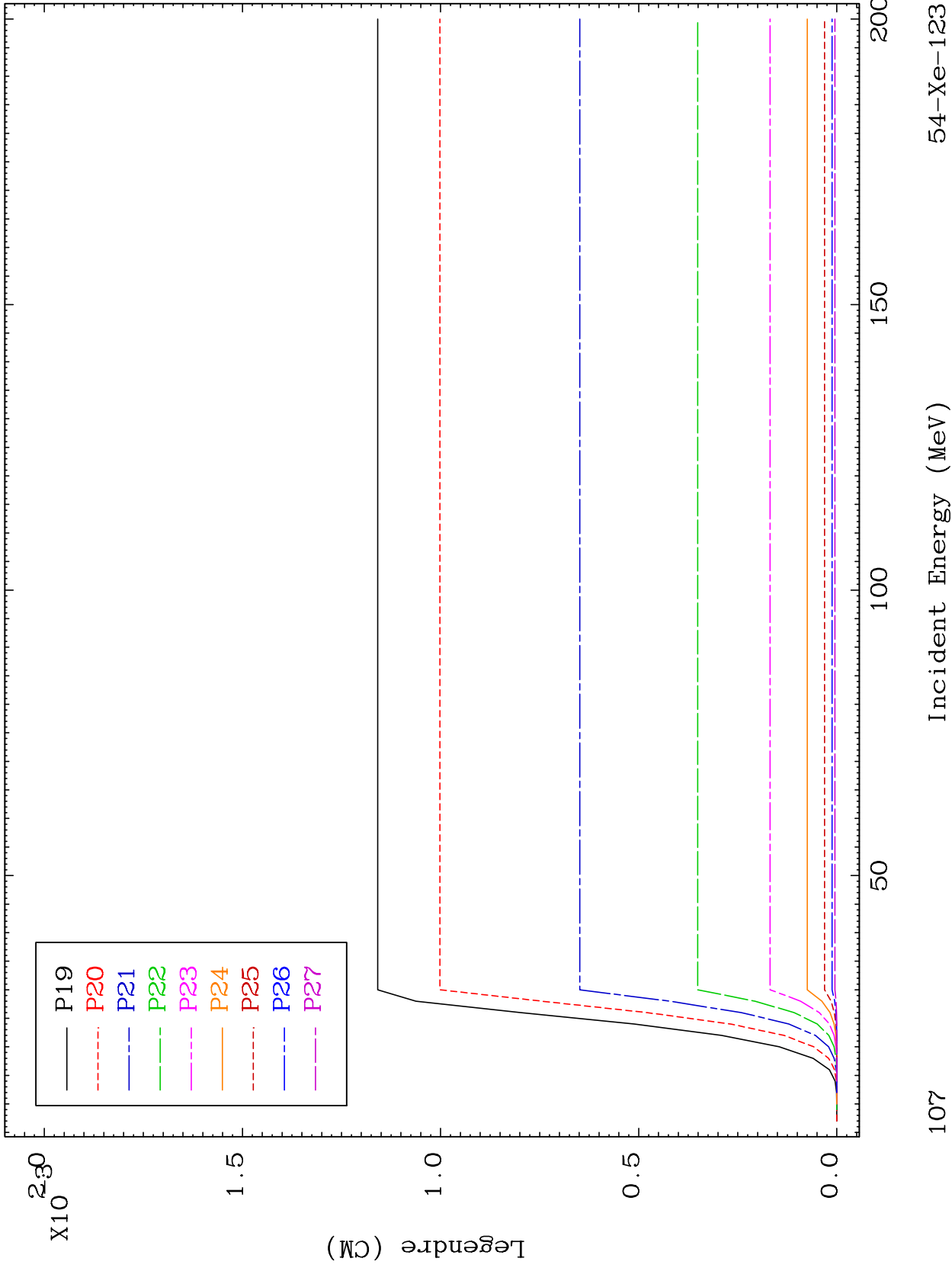
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

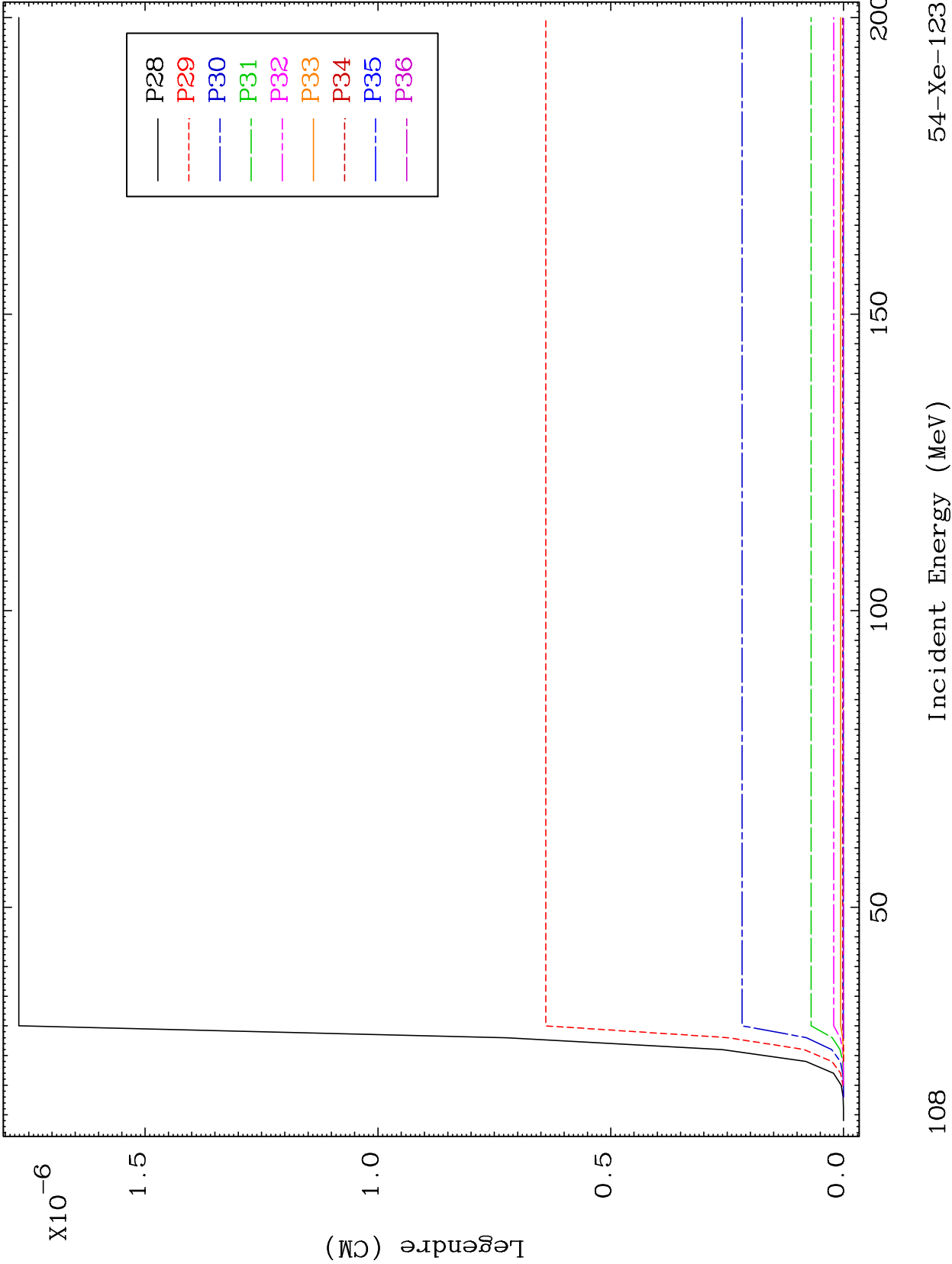
54-Xe-123



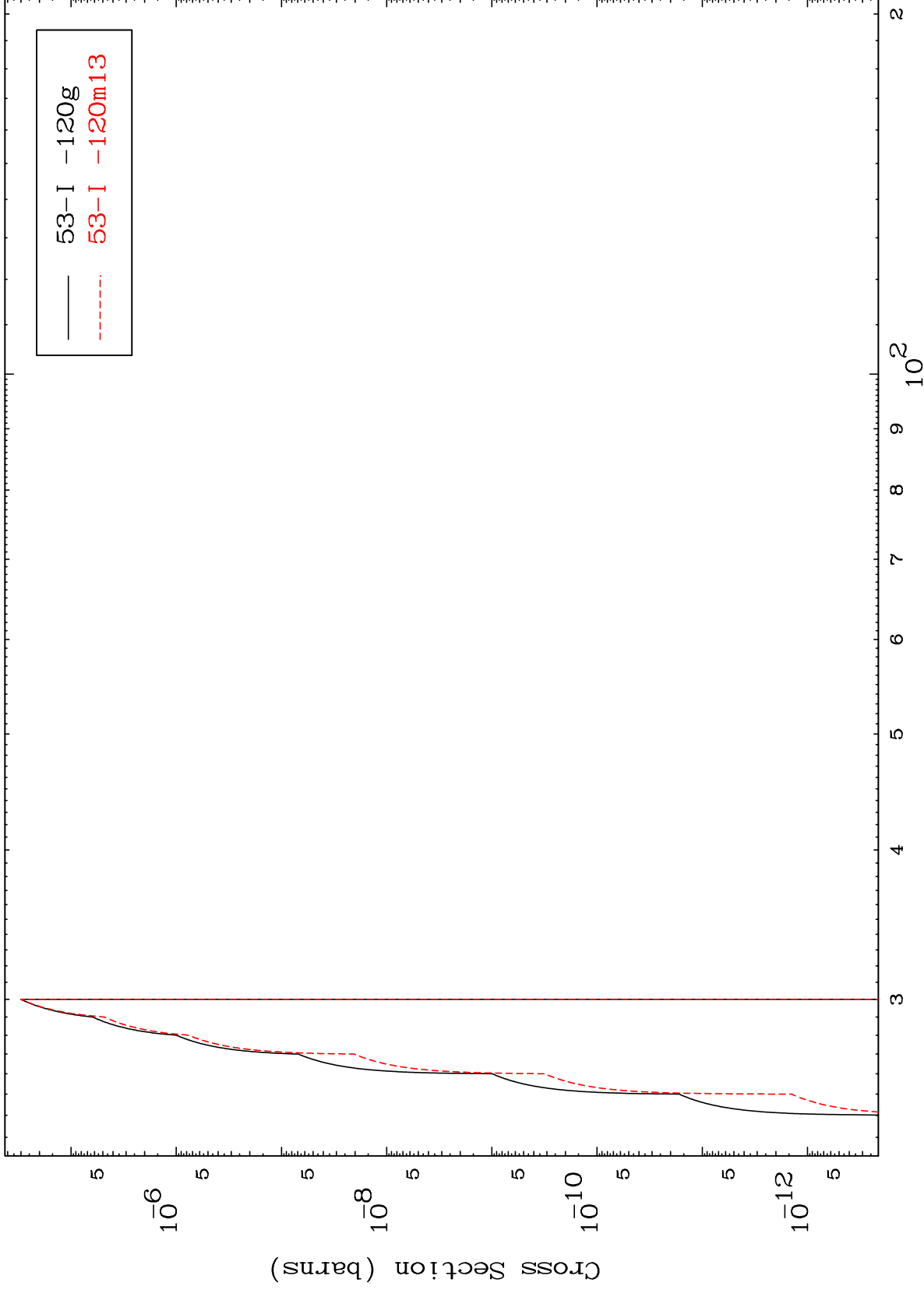
MAT 5422

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

54-Xe-123



Radionuclide Production Cross Section

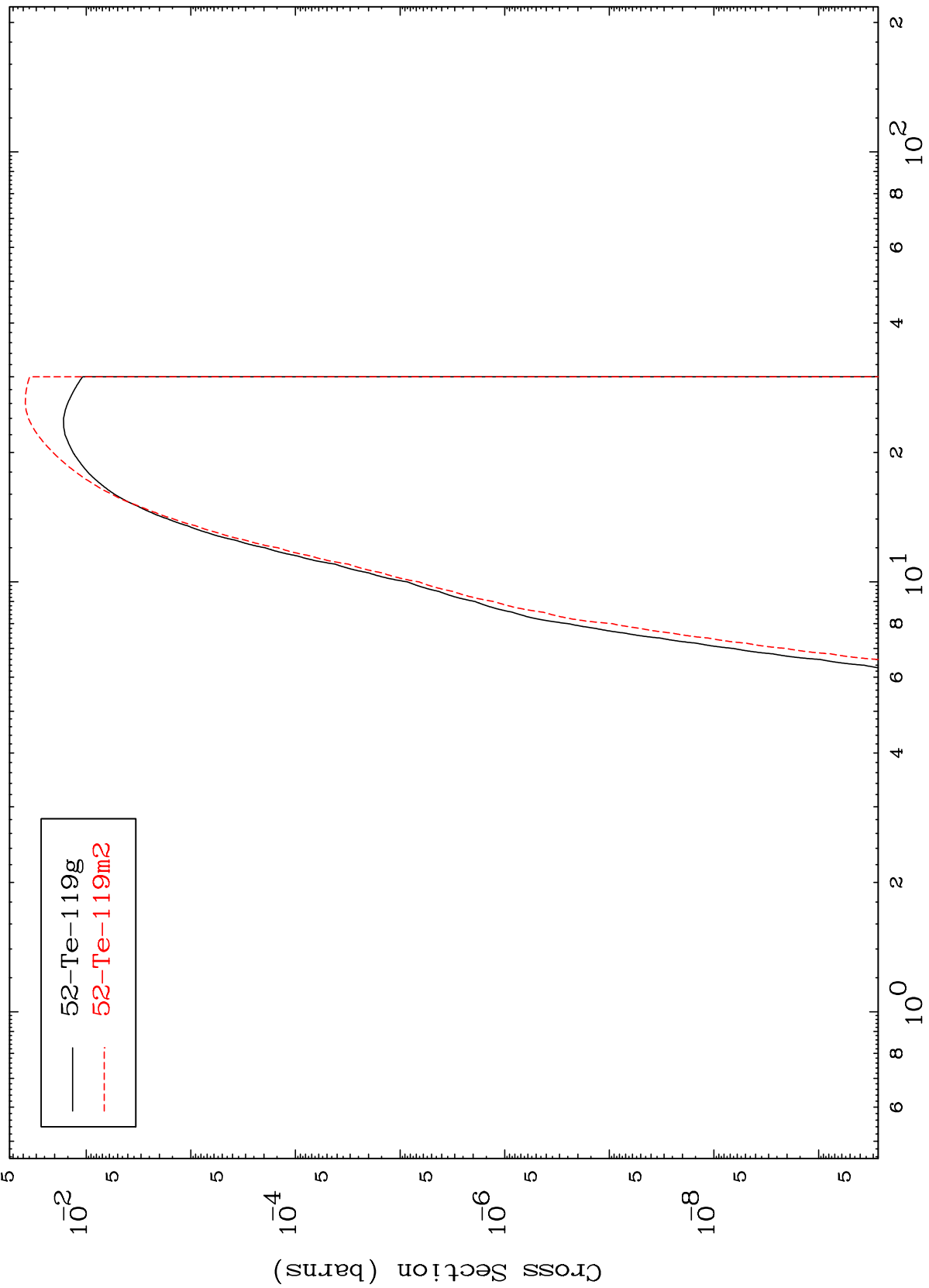


MAT 5422

(n,n')  $\alpha$

54-Xe-123

Radionuclide Production Cross Section



52-Te-119g  
52-Te-119m2

110

Incident Energy (MeV)

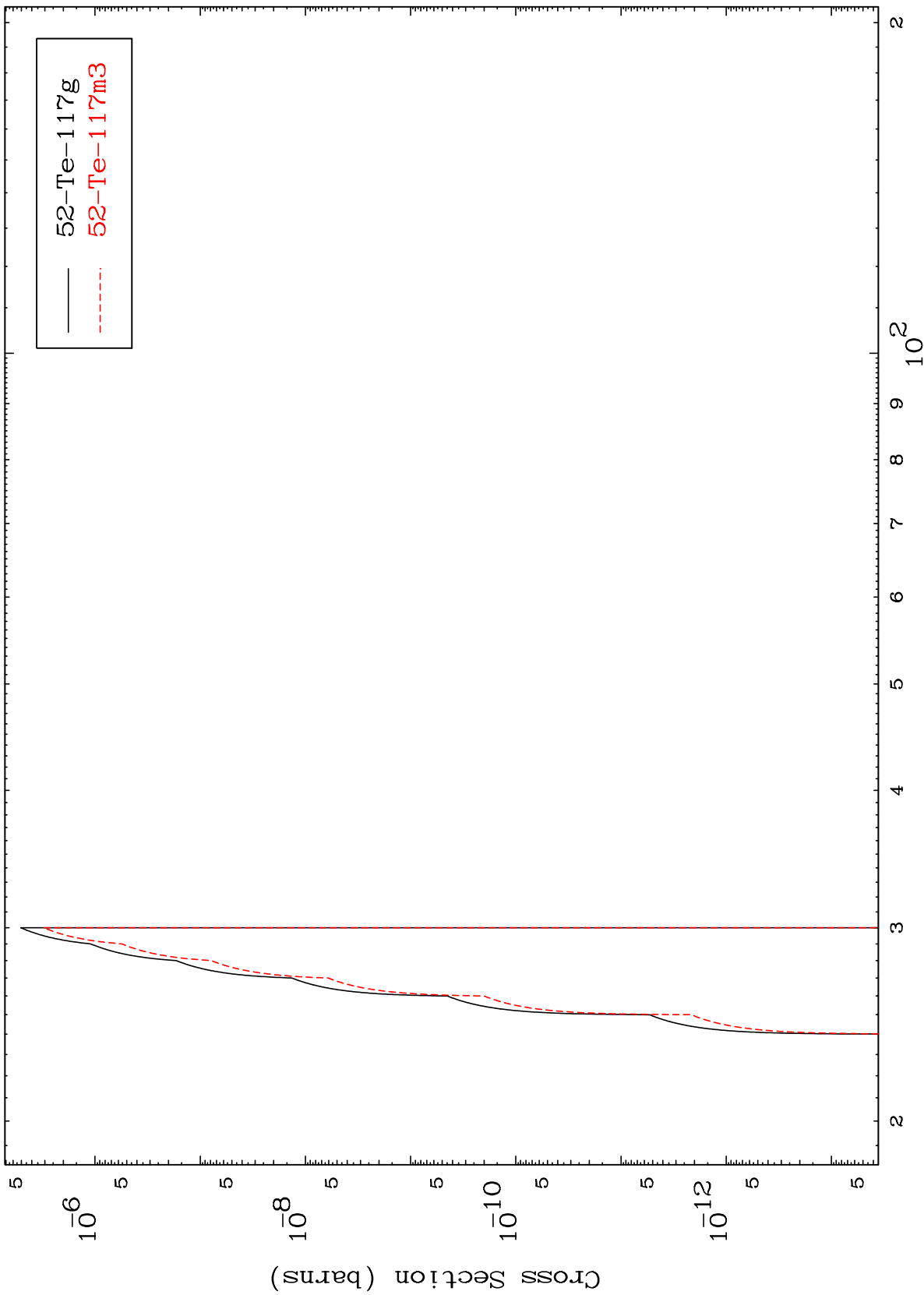
54-Xe-123

MAT 5422

(n,3n)  $\alpha$

54-Xe-123

Radionuclide Production Cross Section



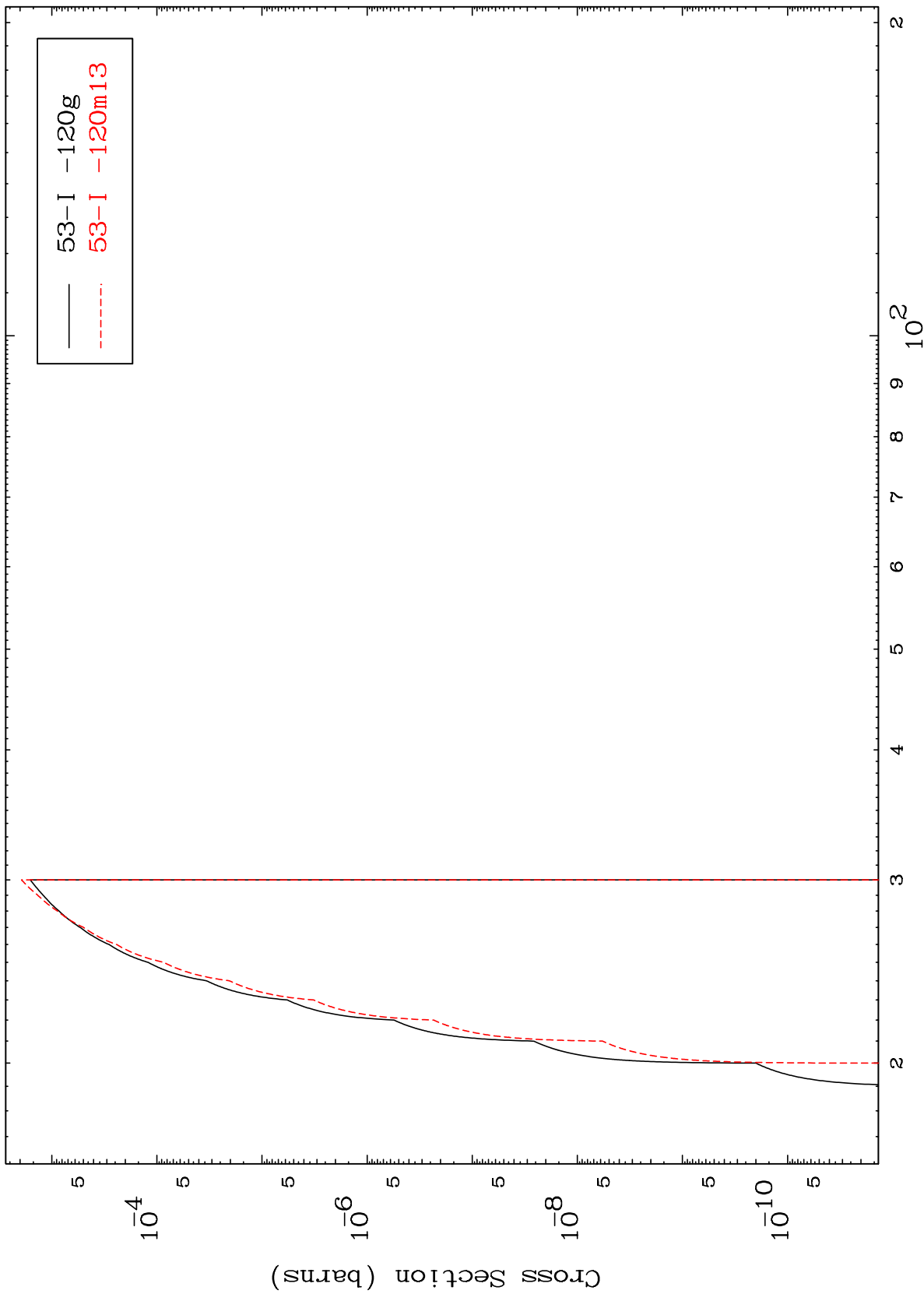
111

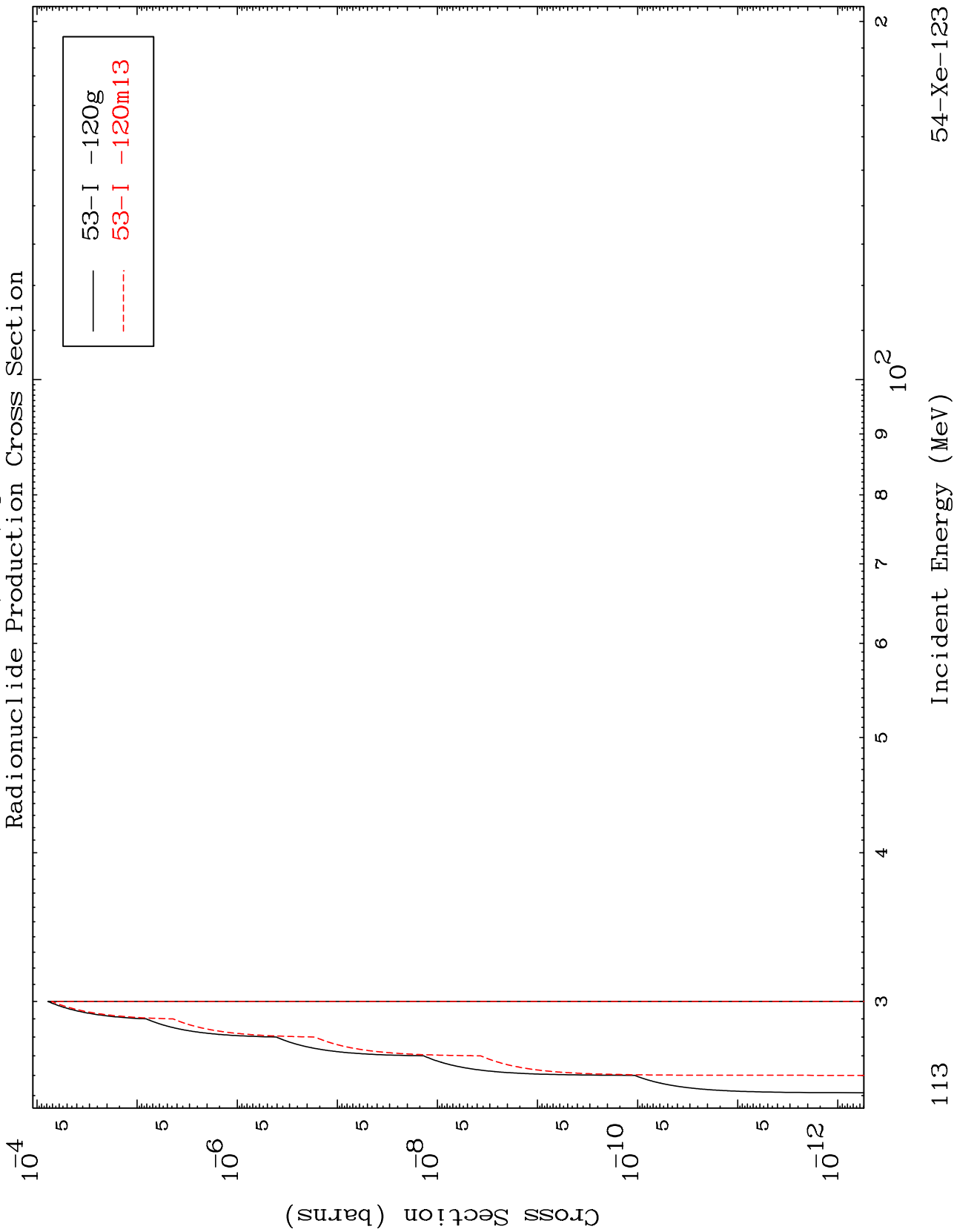
Incident Energy (MeV)

54-Xe-123

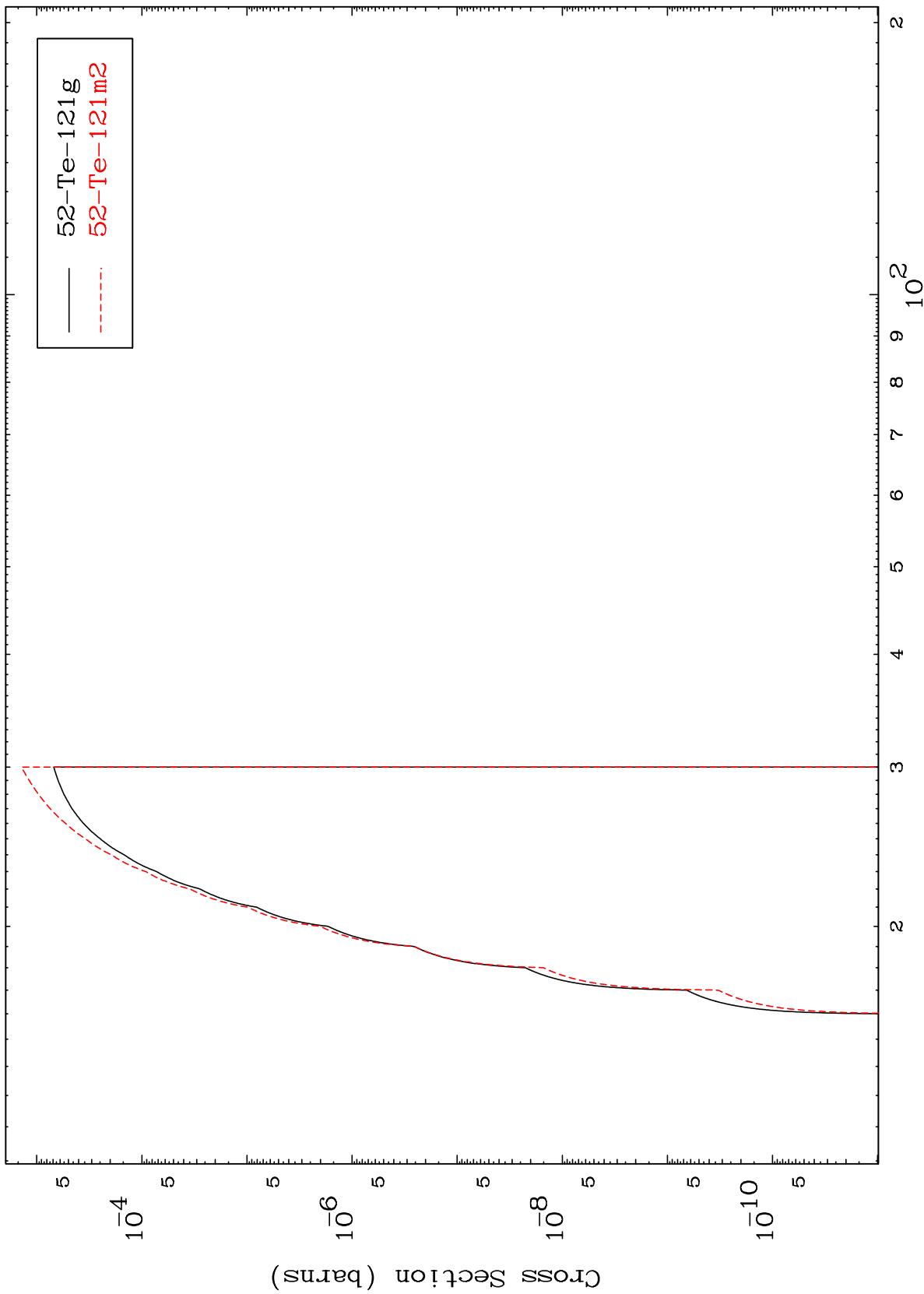


Radionuclide Production Cross Section





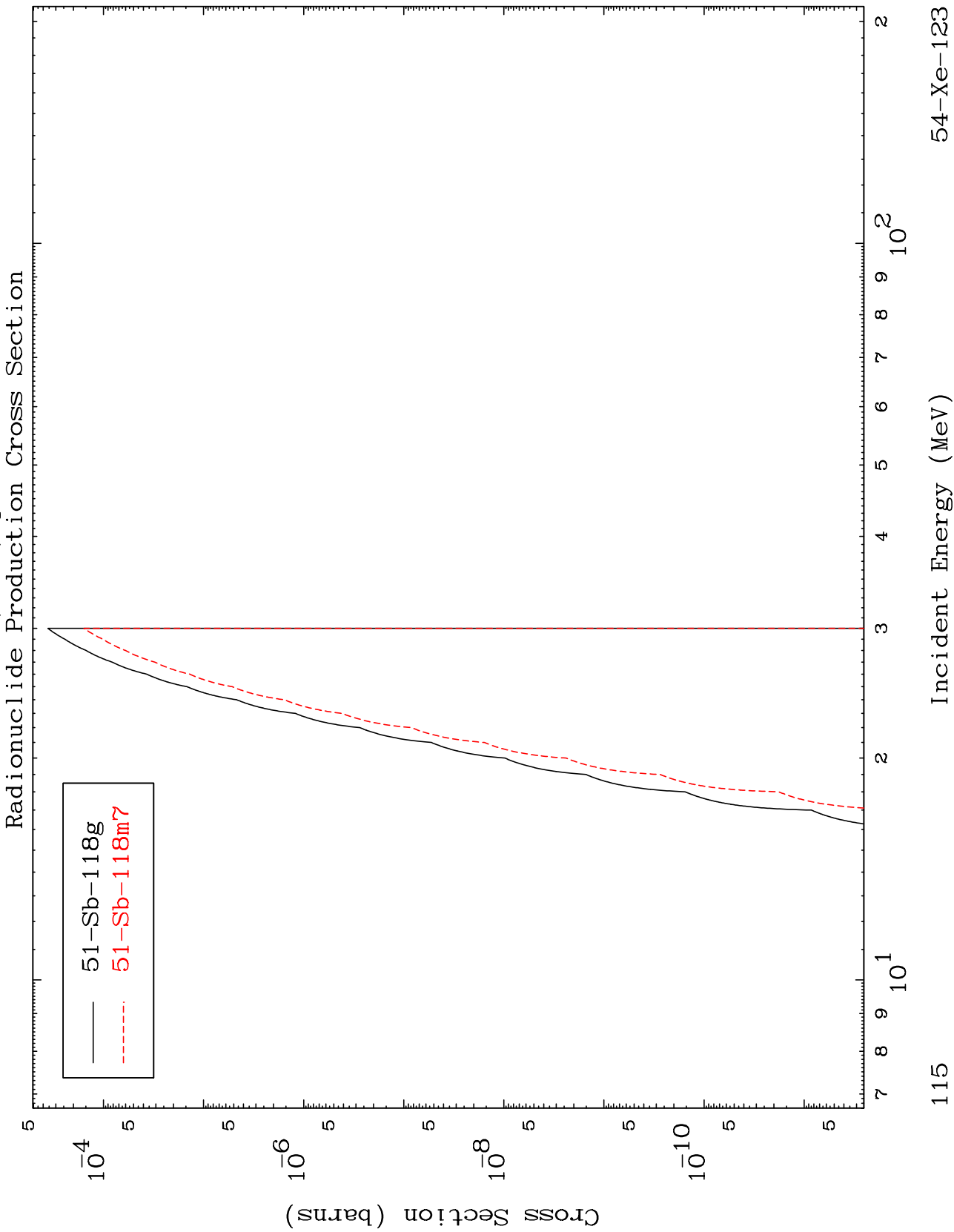
Radionuclide Production Cross Section



MAT 5422

(n,n') p  $\alpha$

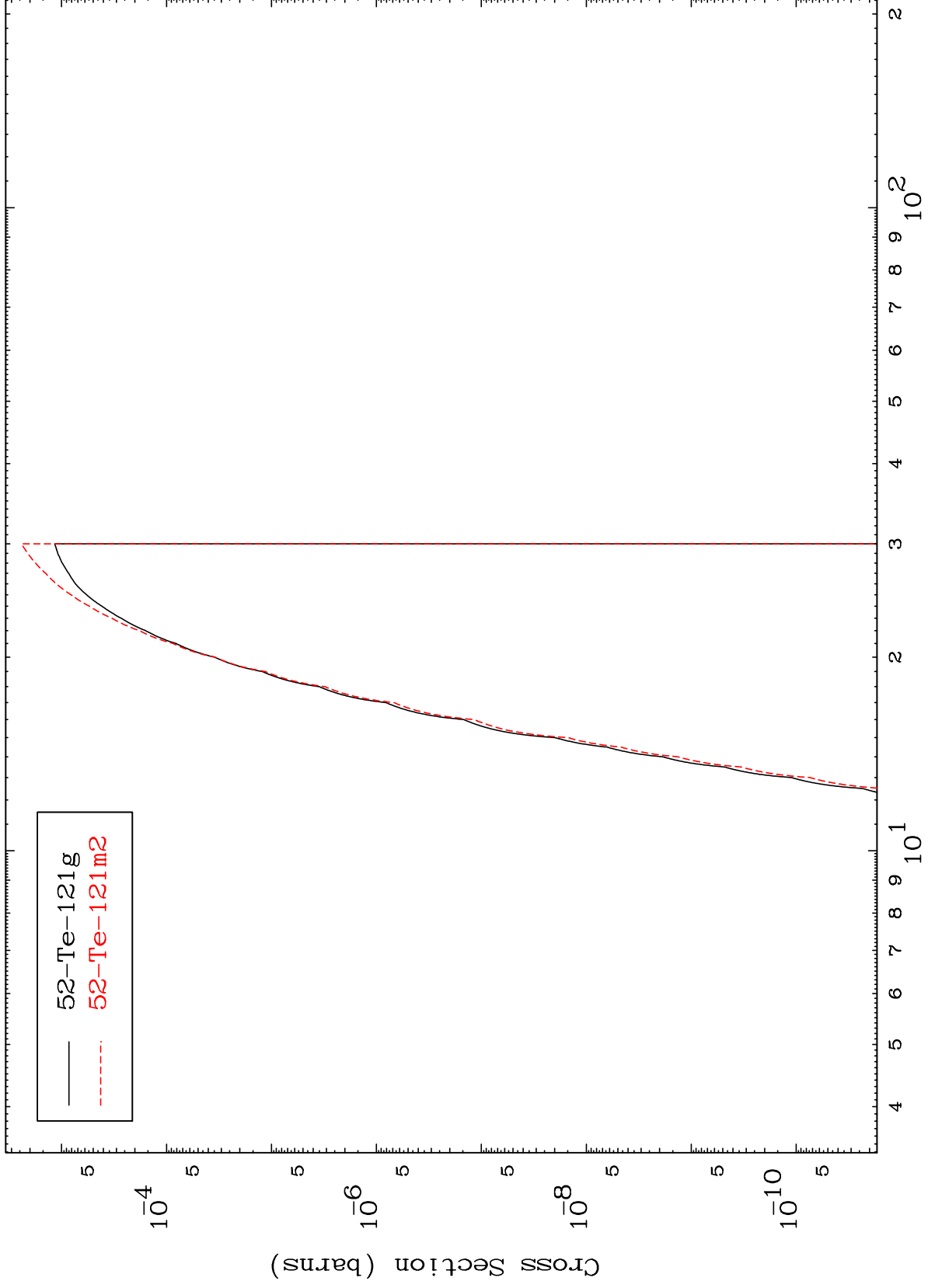
54-Xe-123



115

54-Xe-123

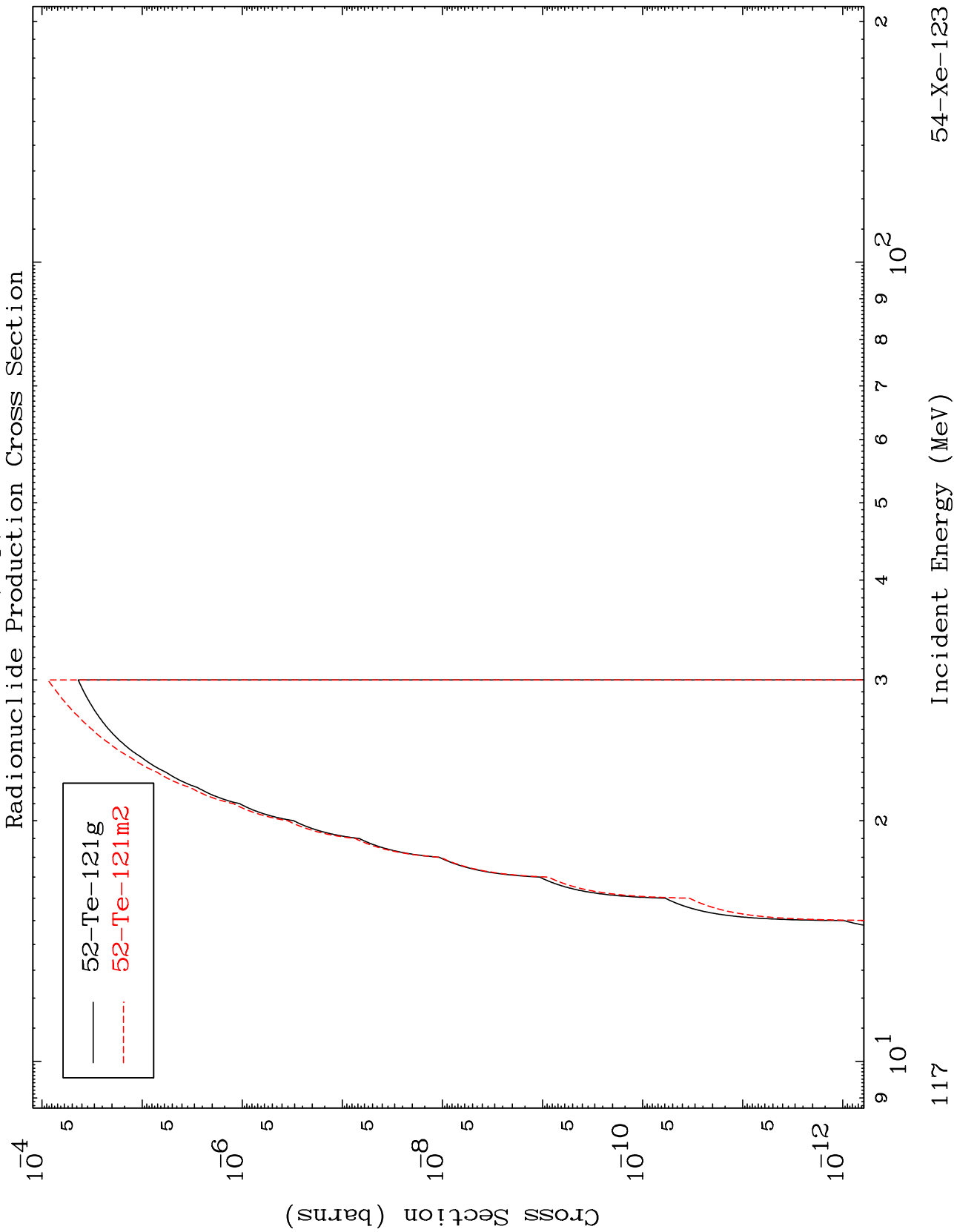
Radionuclide Production Cross Section



MAT 5422

(n,p) d

54-Xe-123



117

54-Xe-123

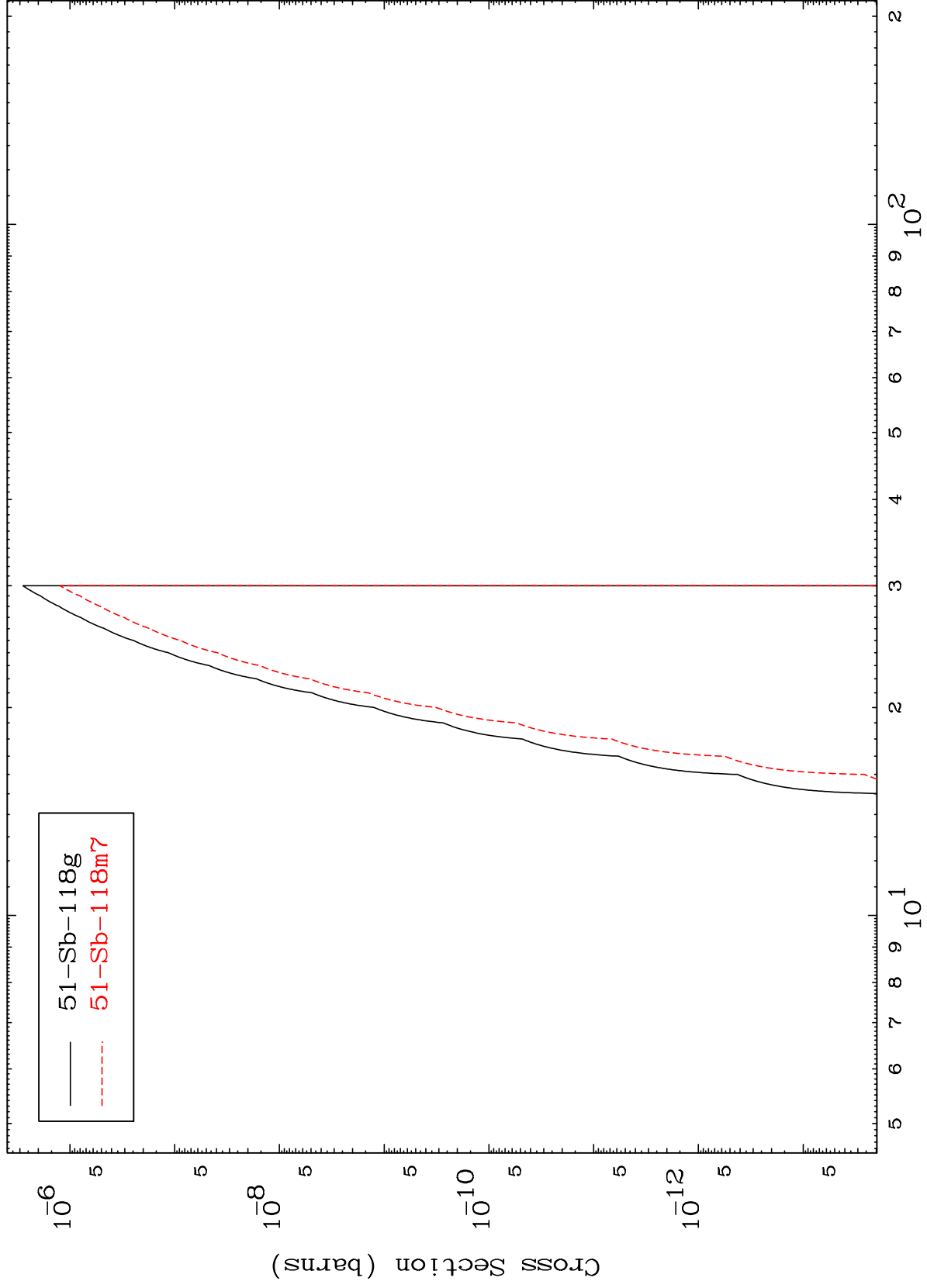
54-Xe-123

MAT 5422

(n,d)  $\alpha$

54-Xe-123

Radionuclide Production Cross Section



51-Sb-118g  
51-Sb-118m7

118

Incident Energy (MeV)

54-Xe-123