

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

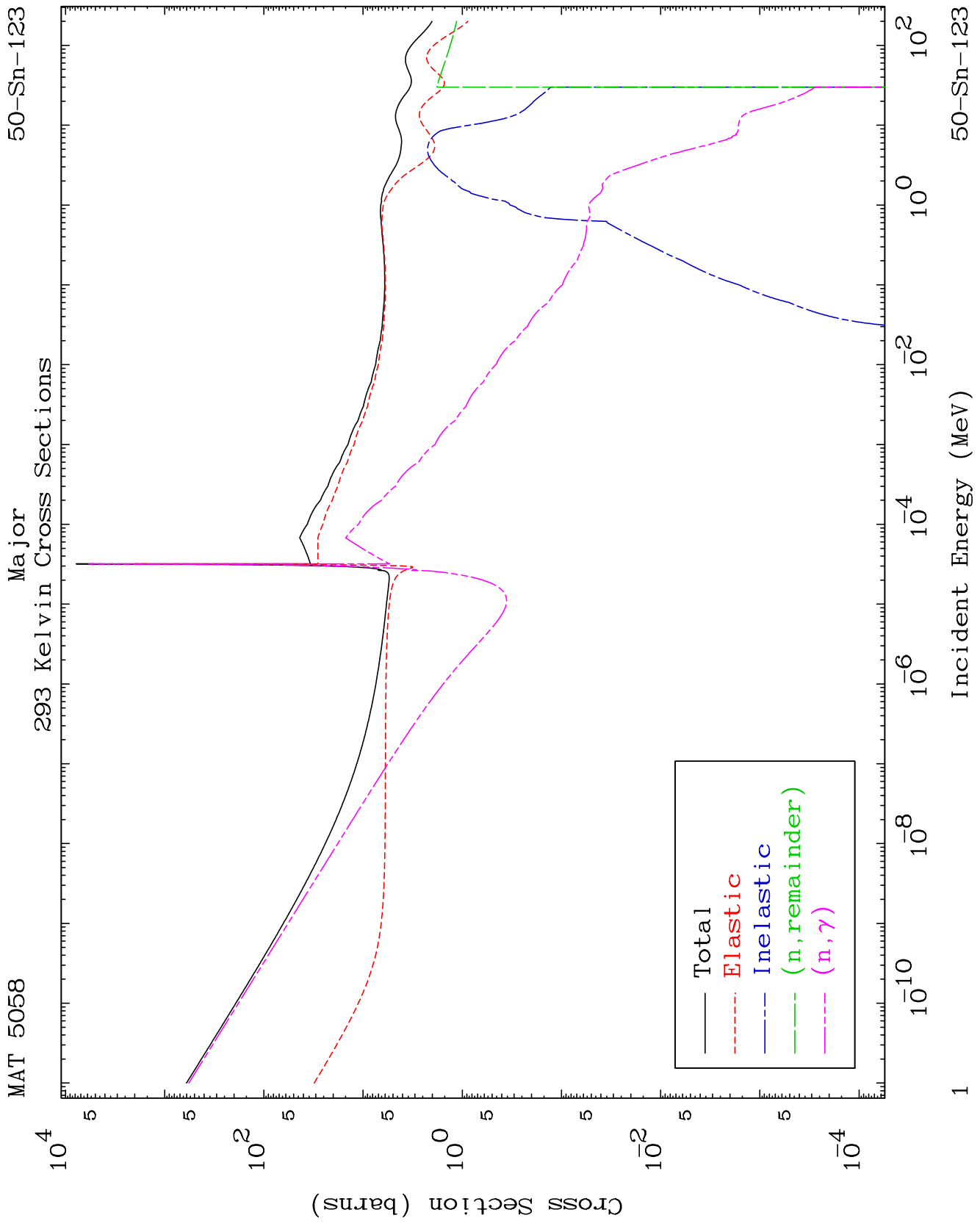
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

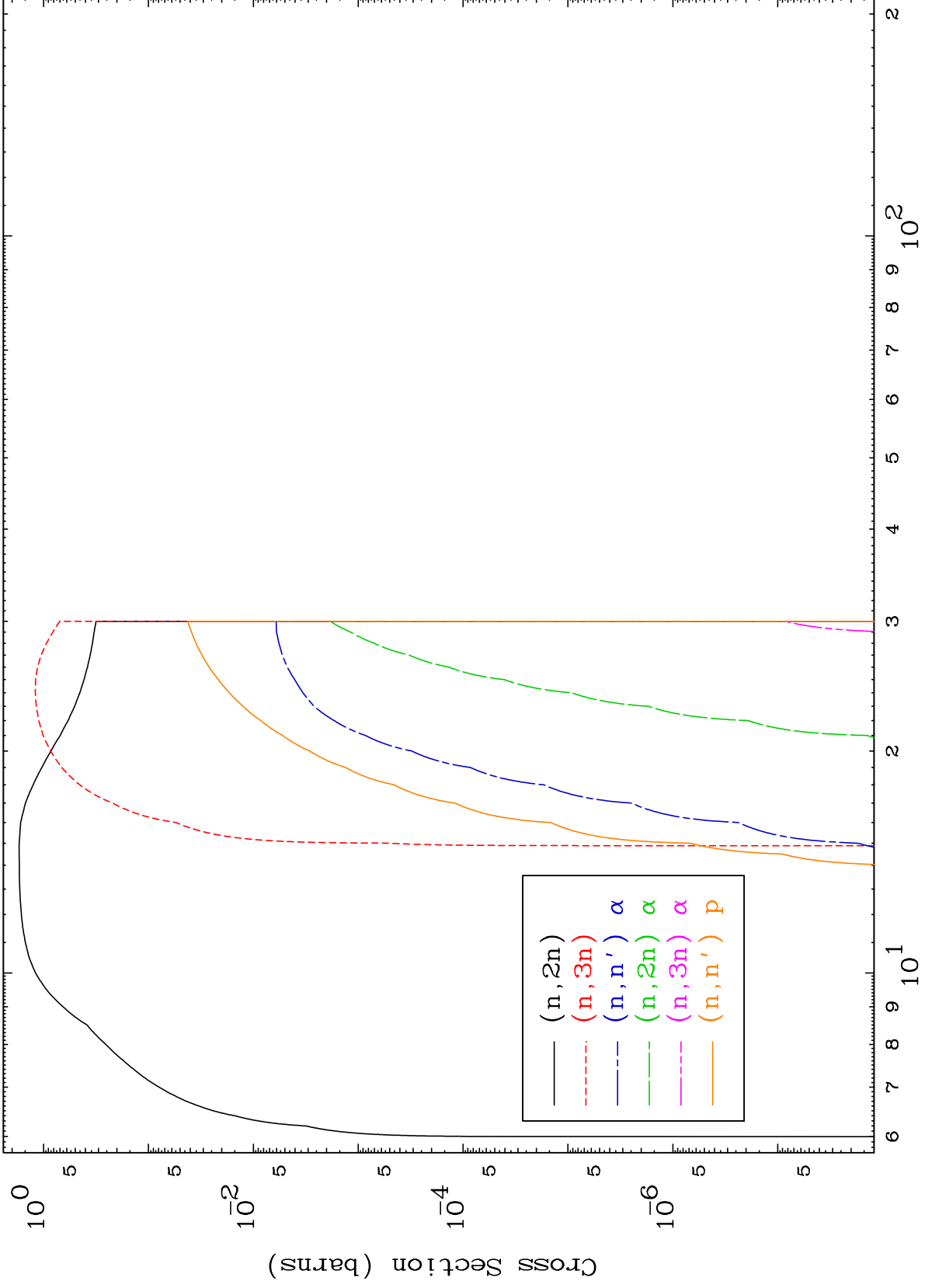
Press Mouse Button to Start



MAT 5058

Neutron Production
293 Kelvin Cross Sections

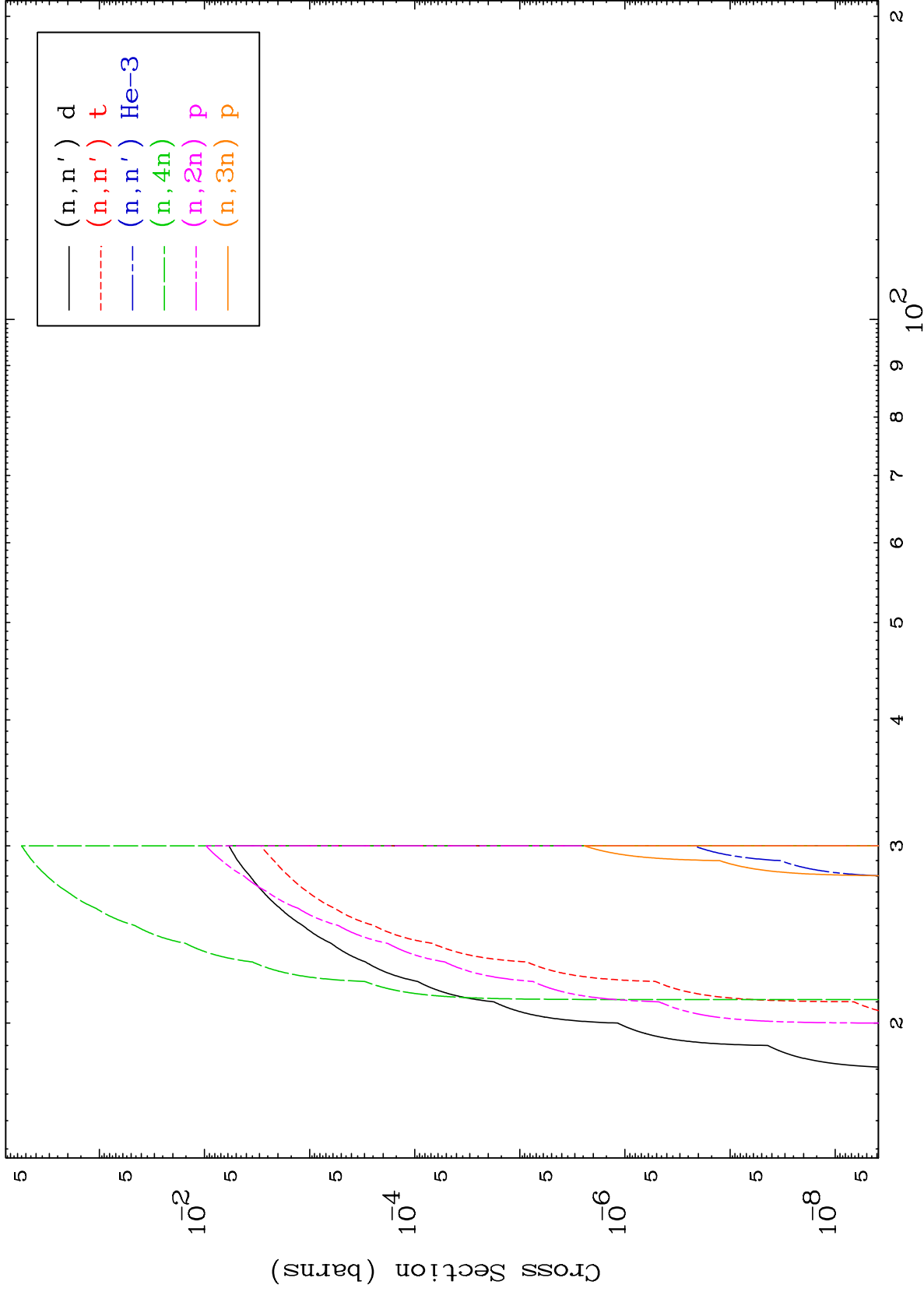
50-Sn-123

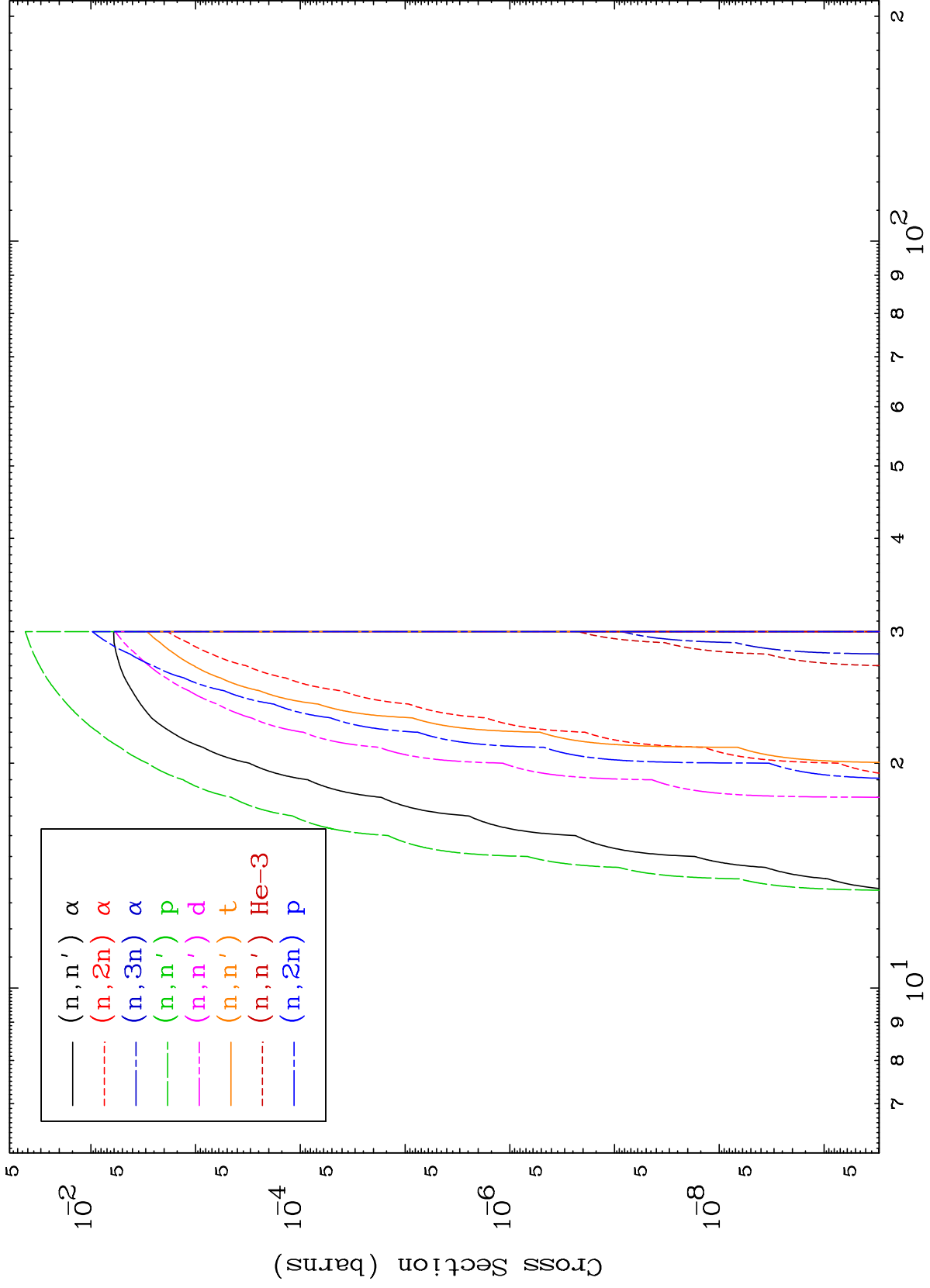


2

Incident Energy (MeV)

50-Sn-123

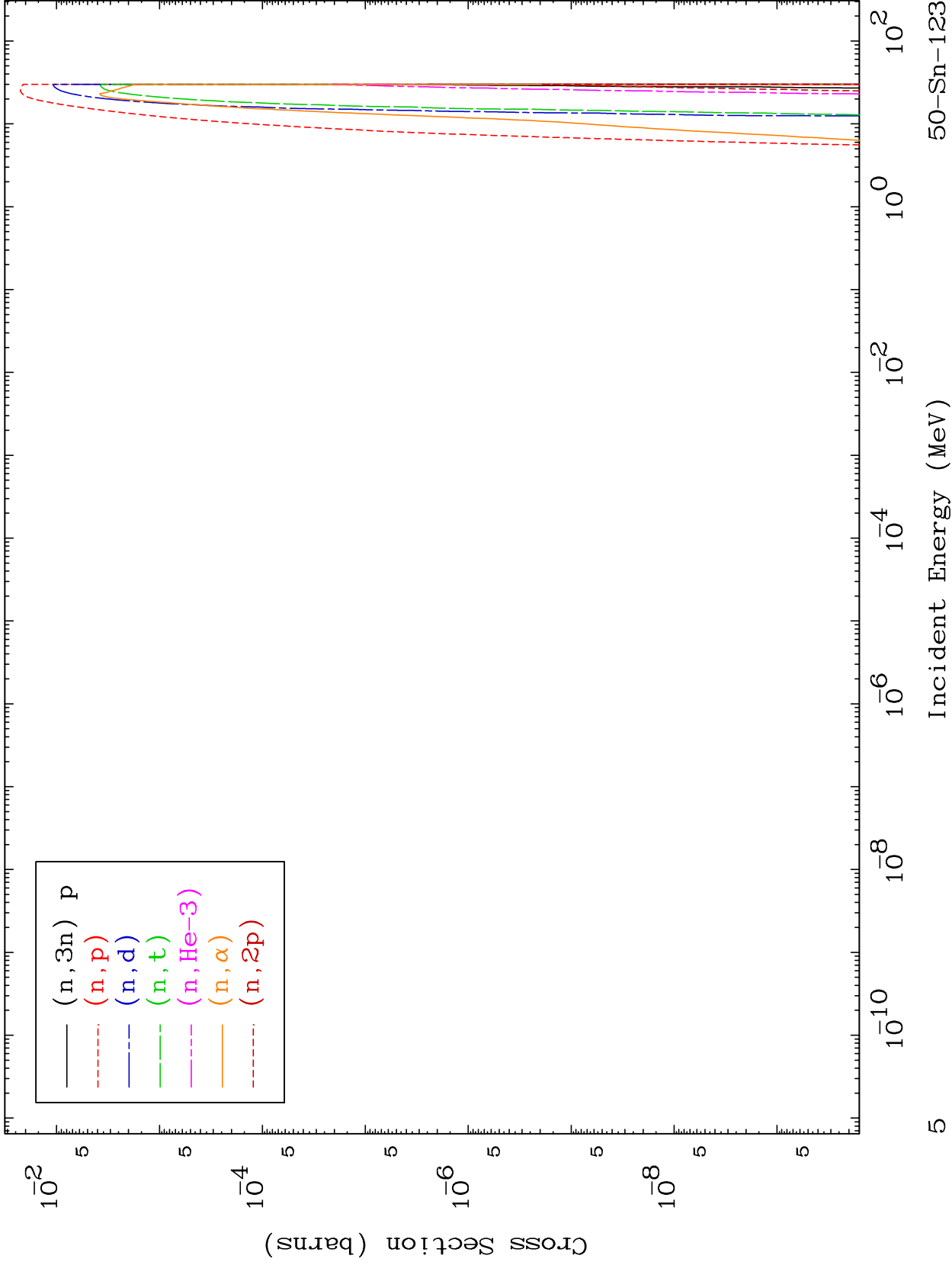




MAT 5058

Charged Particle
293 Kelvin Cross Sections

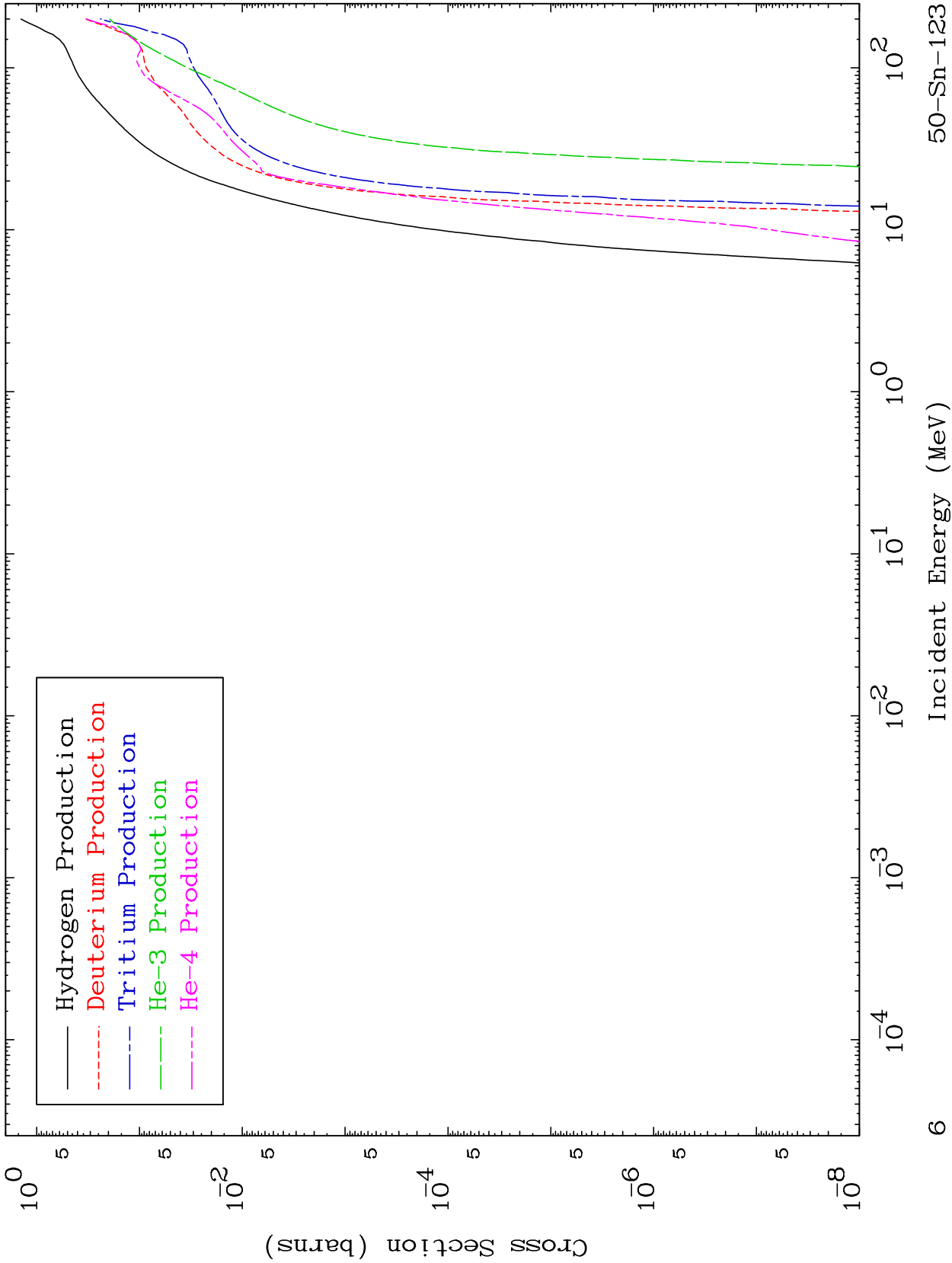
50-Sn-123



MAT 5058

Particle Production
293 Kelvin Cross Sections

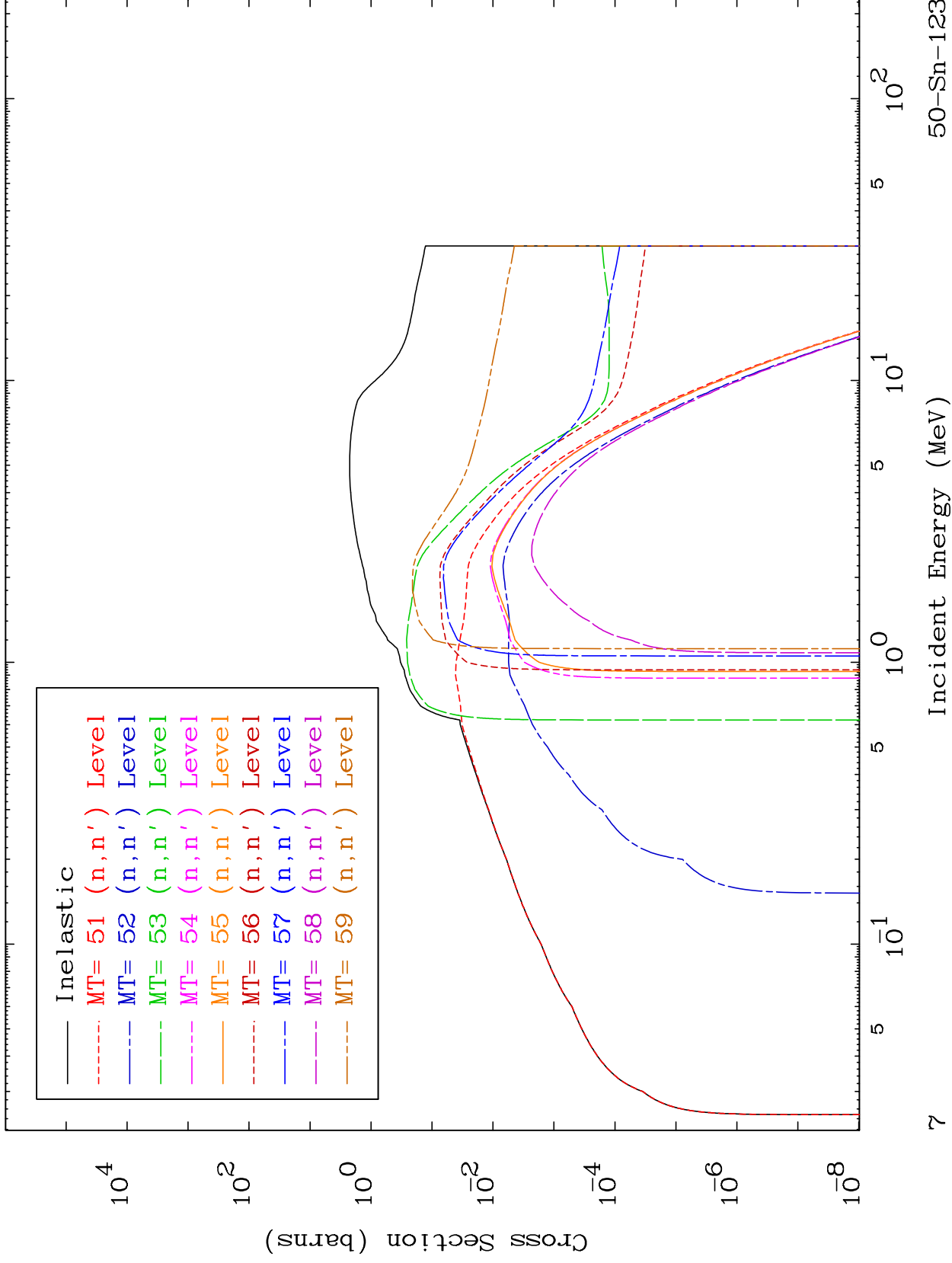
50-Sn-123



MAT 5058

293 (n,n') Level
Kelvin Cross Sections

50-Sn-123

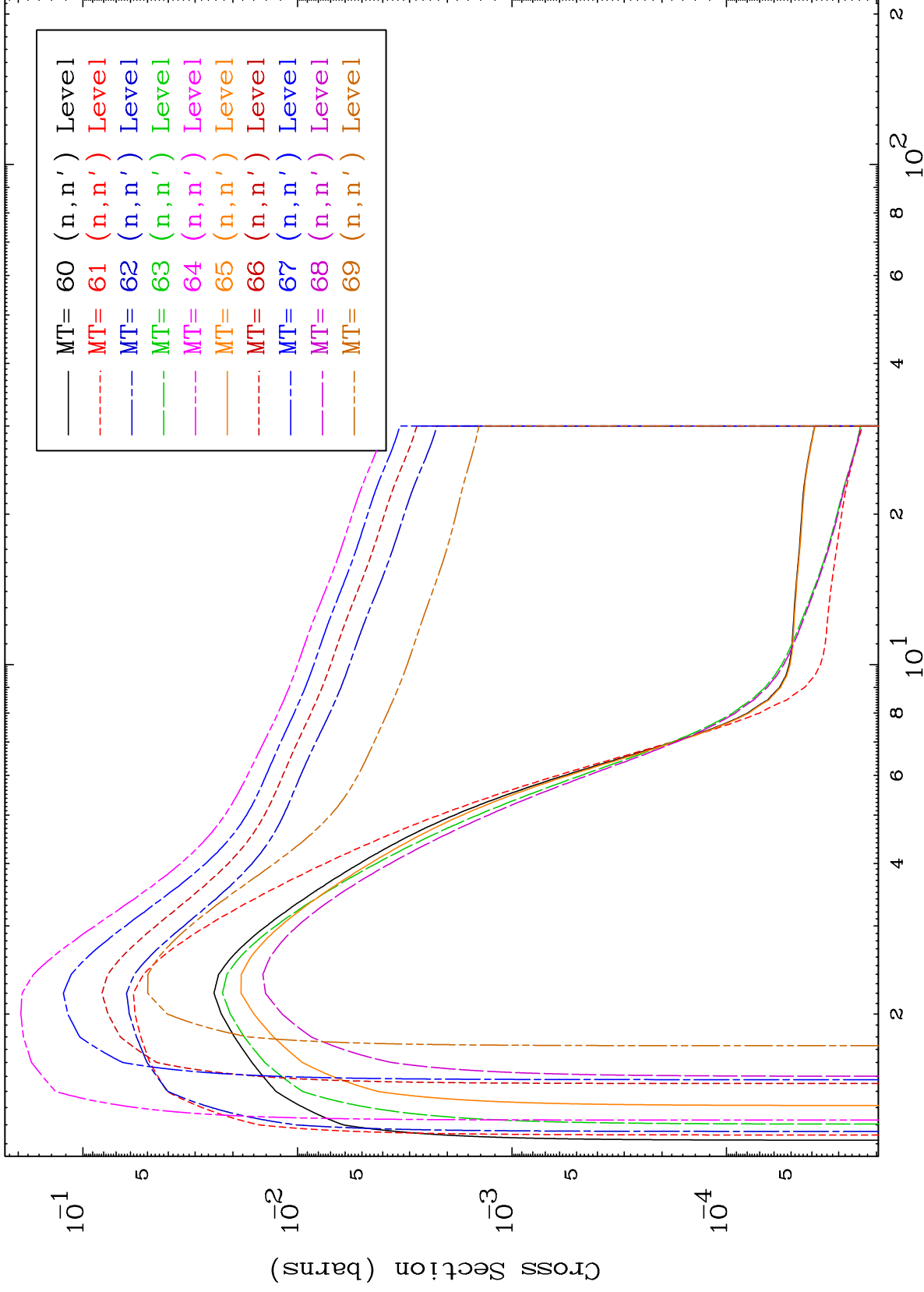


MAT 5058

(n,n') Level

50-Sn-123

293 Kelvin Cross Sections



8

Incident Energy (MeV)

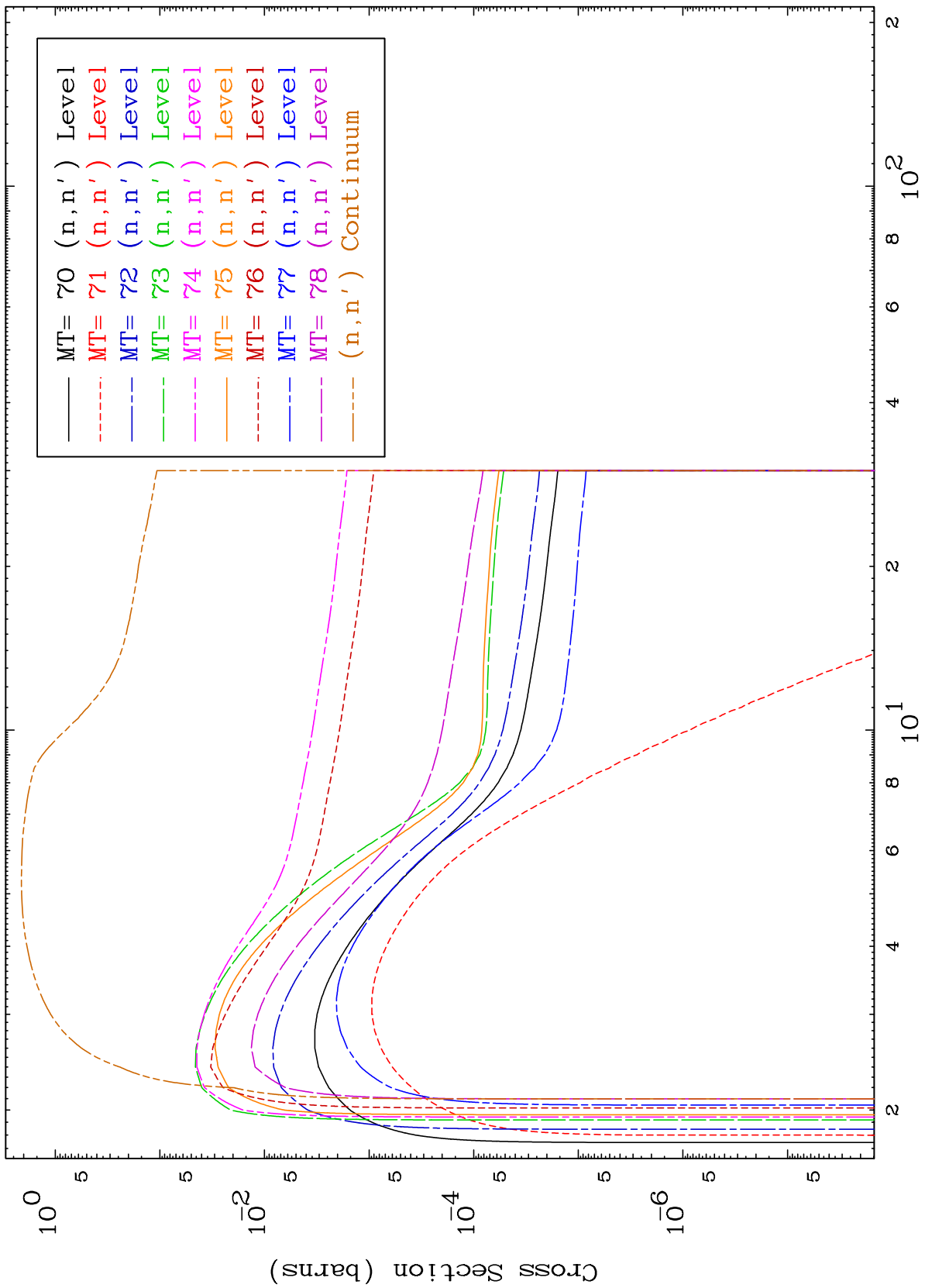
50-Sn-123

MAT 5058

(n,n') Level

50-Sn-123

293 Kelvin Cross Sections



9

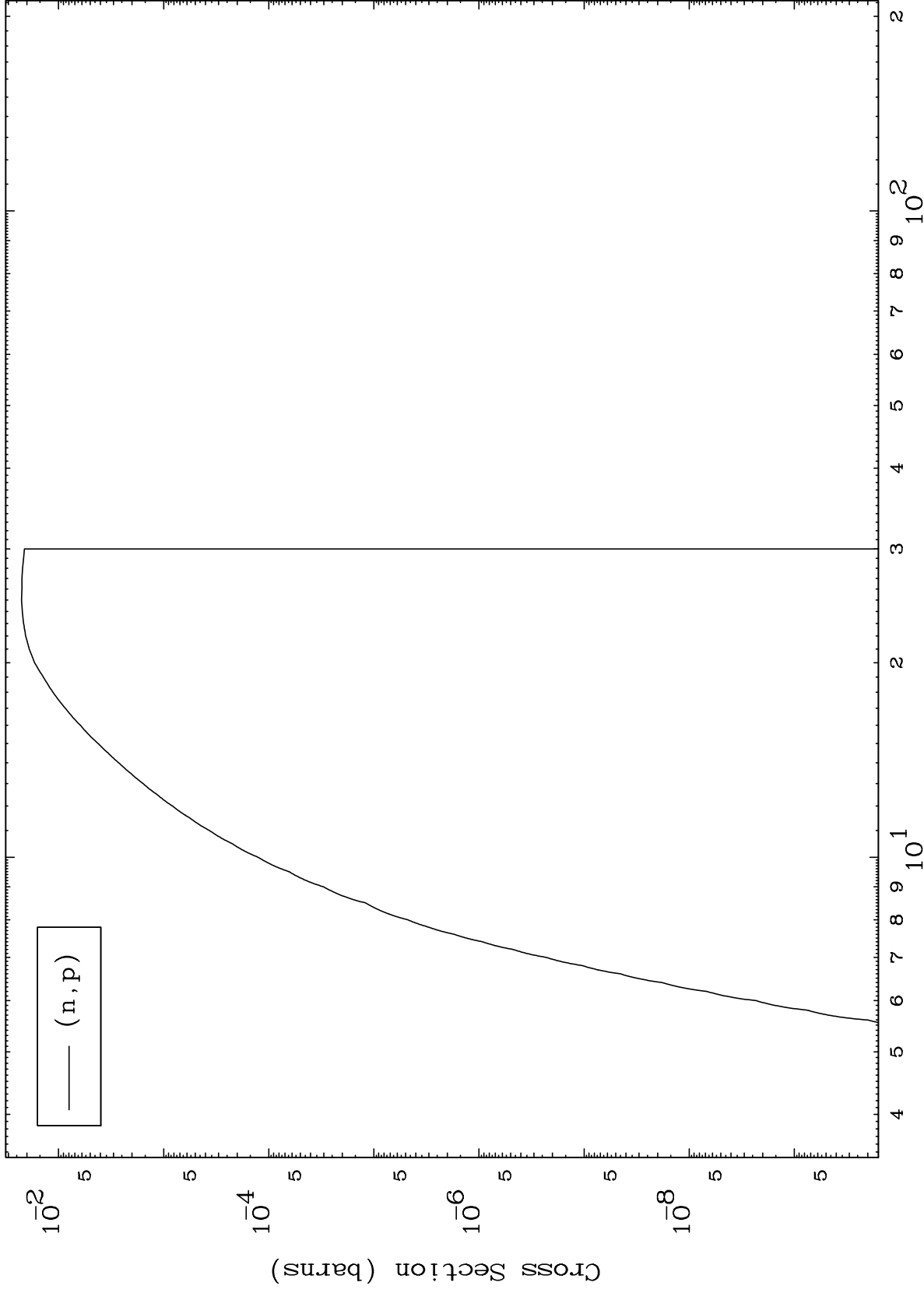
Incident Energy (MeV)

50-Sn-123

MAT 5058

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-123



10

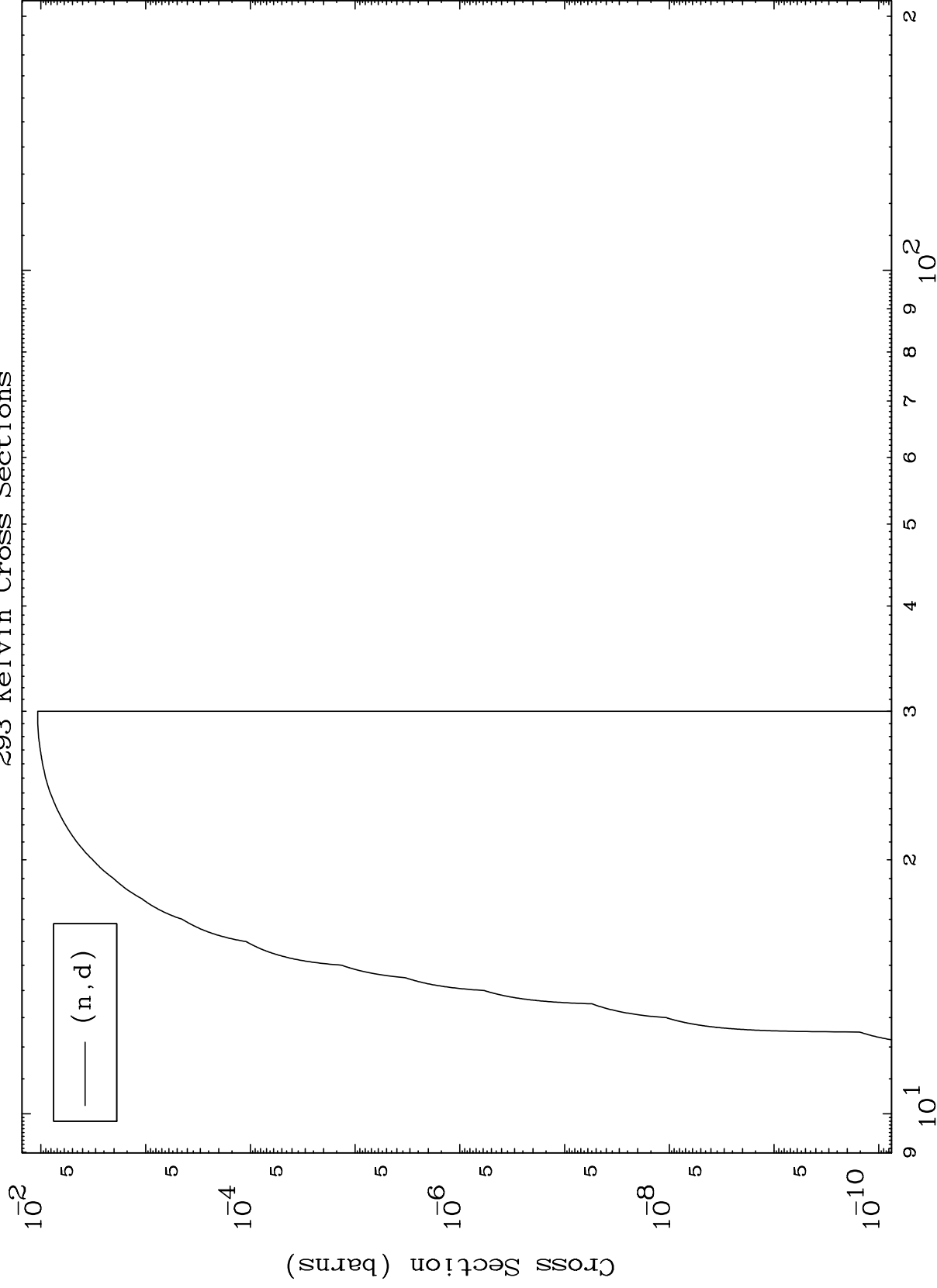
Incident Energy (MeV)

50-Sn-123

MAT 5058

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-123



11

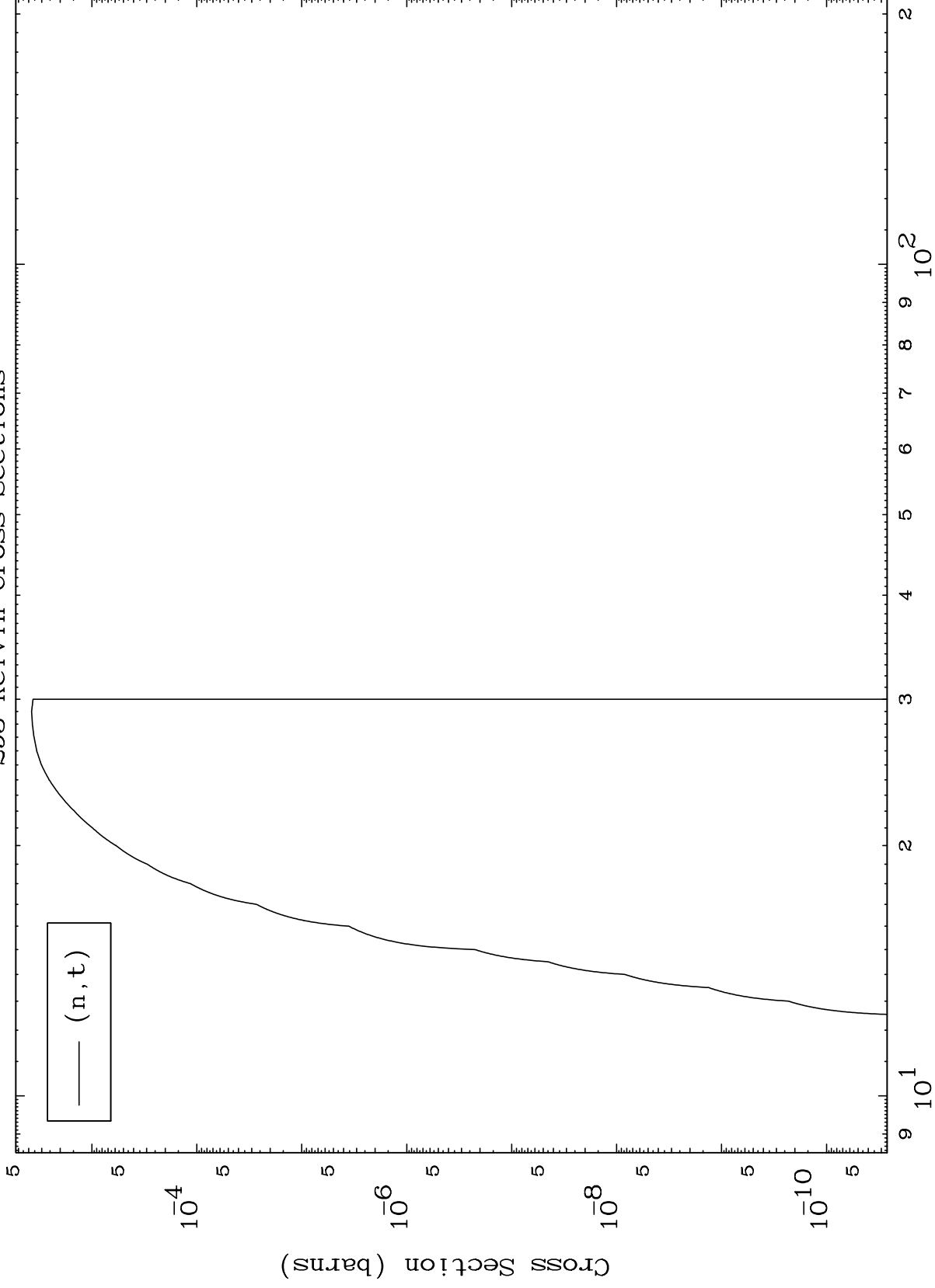
Incident Energy (MeV)

50-Sn-123

MAT 5058

(n,t) Levels
293 Kelvin Cross Sections

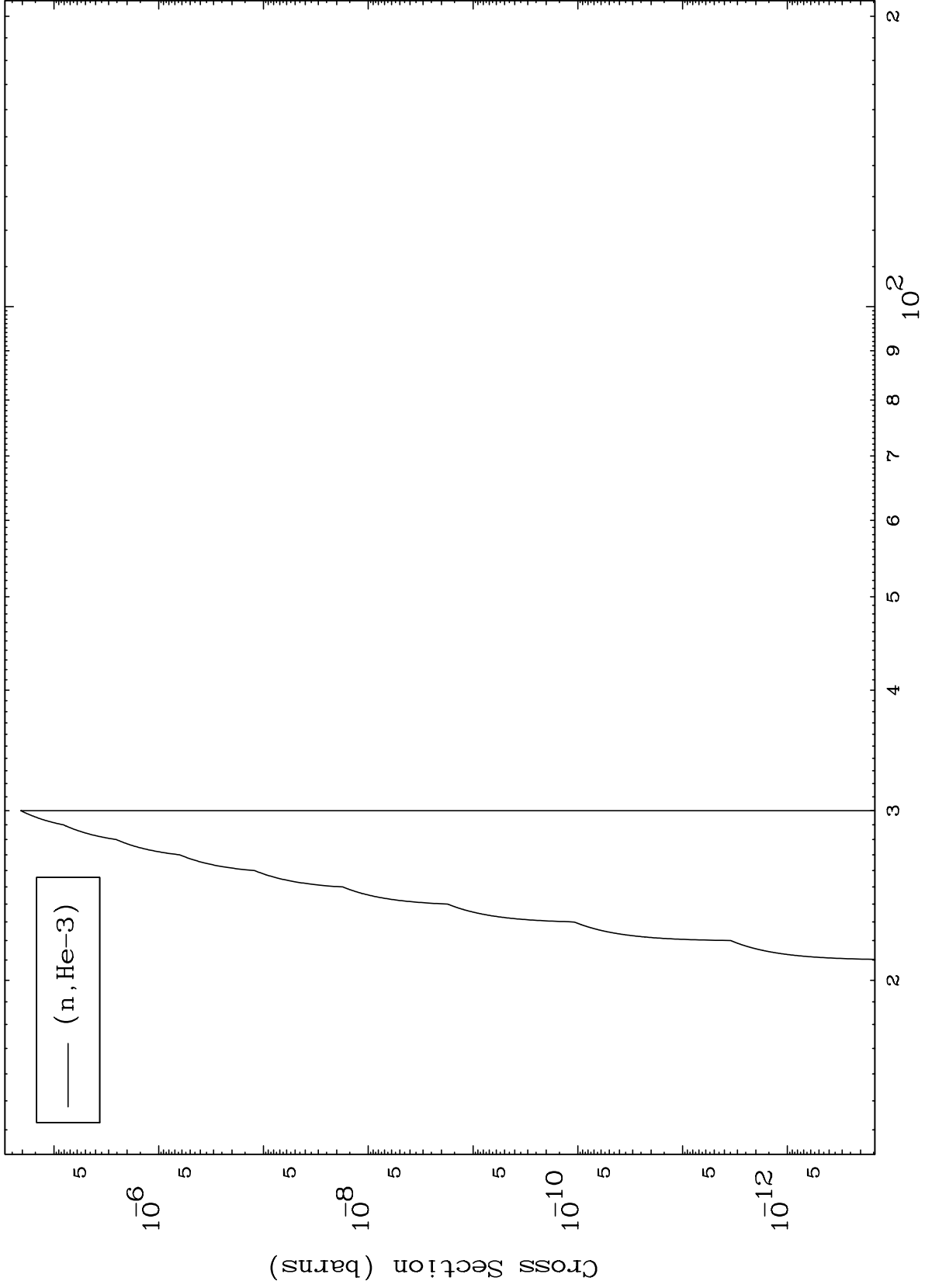
50-Sn-123



Incident Energy (MeV)

50-Sn-123

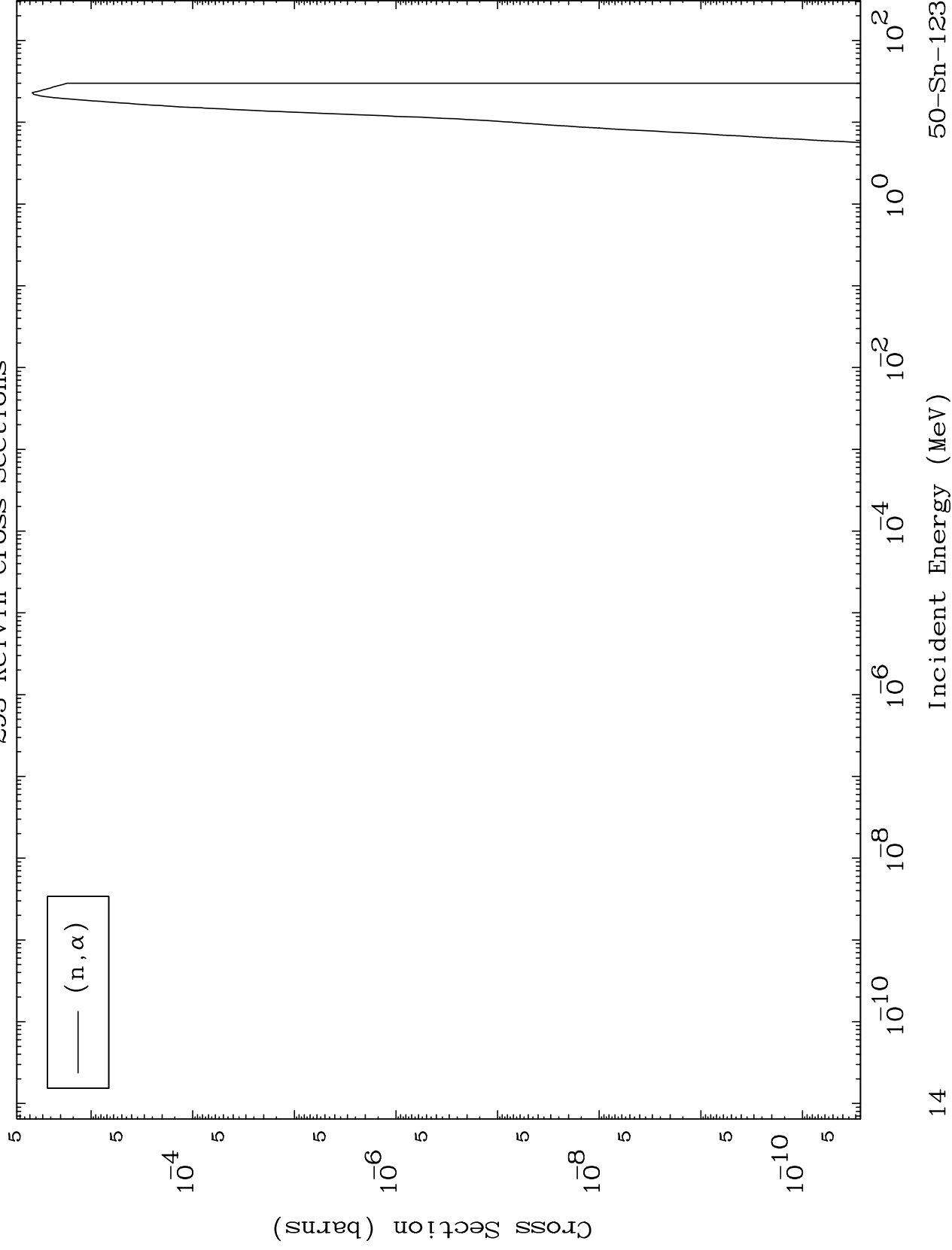
12

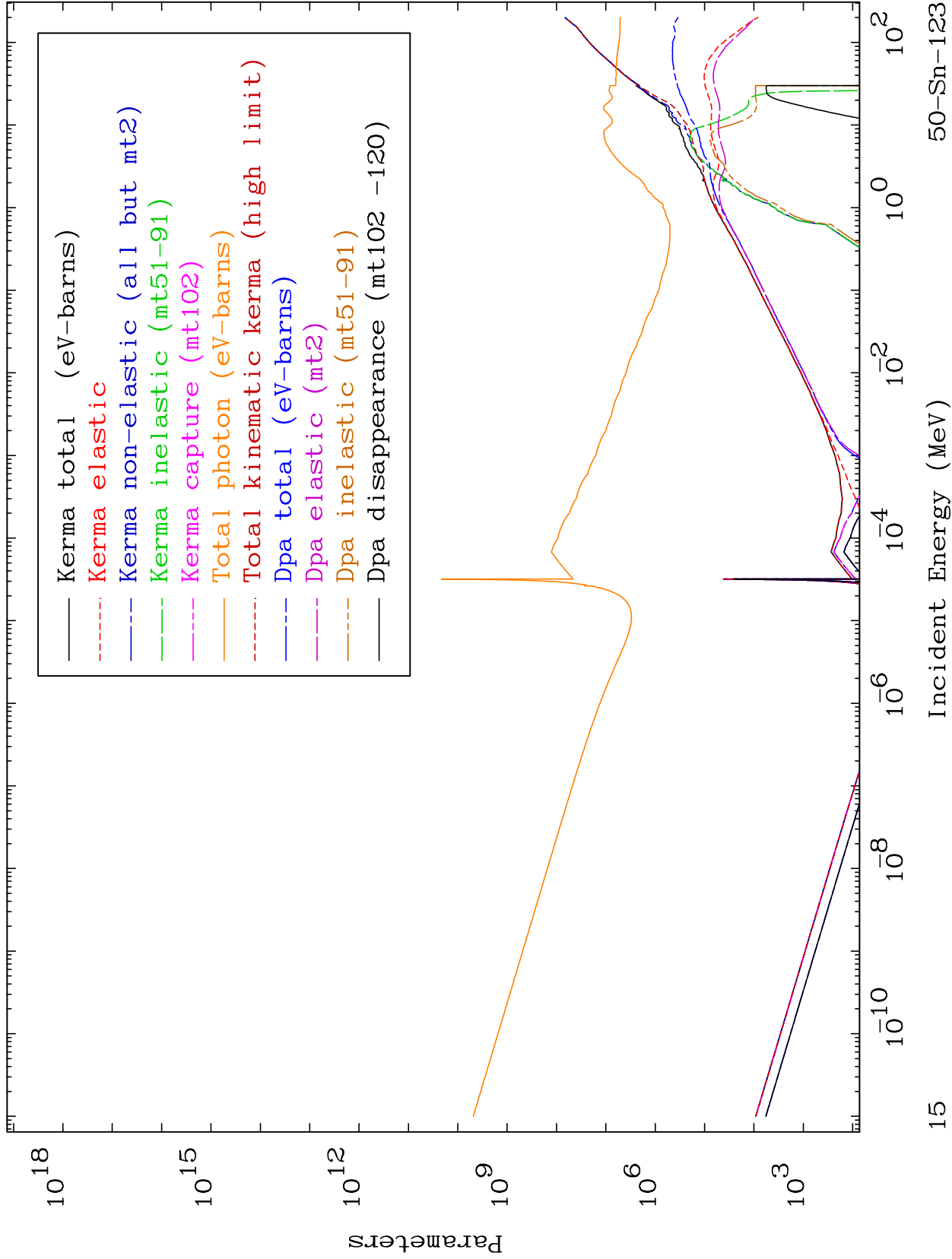


MAT 5058

(n, α) Levels
293 Kelvin Cross Sections

50-Sn-123

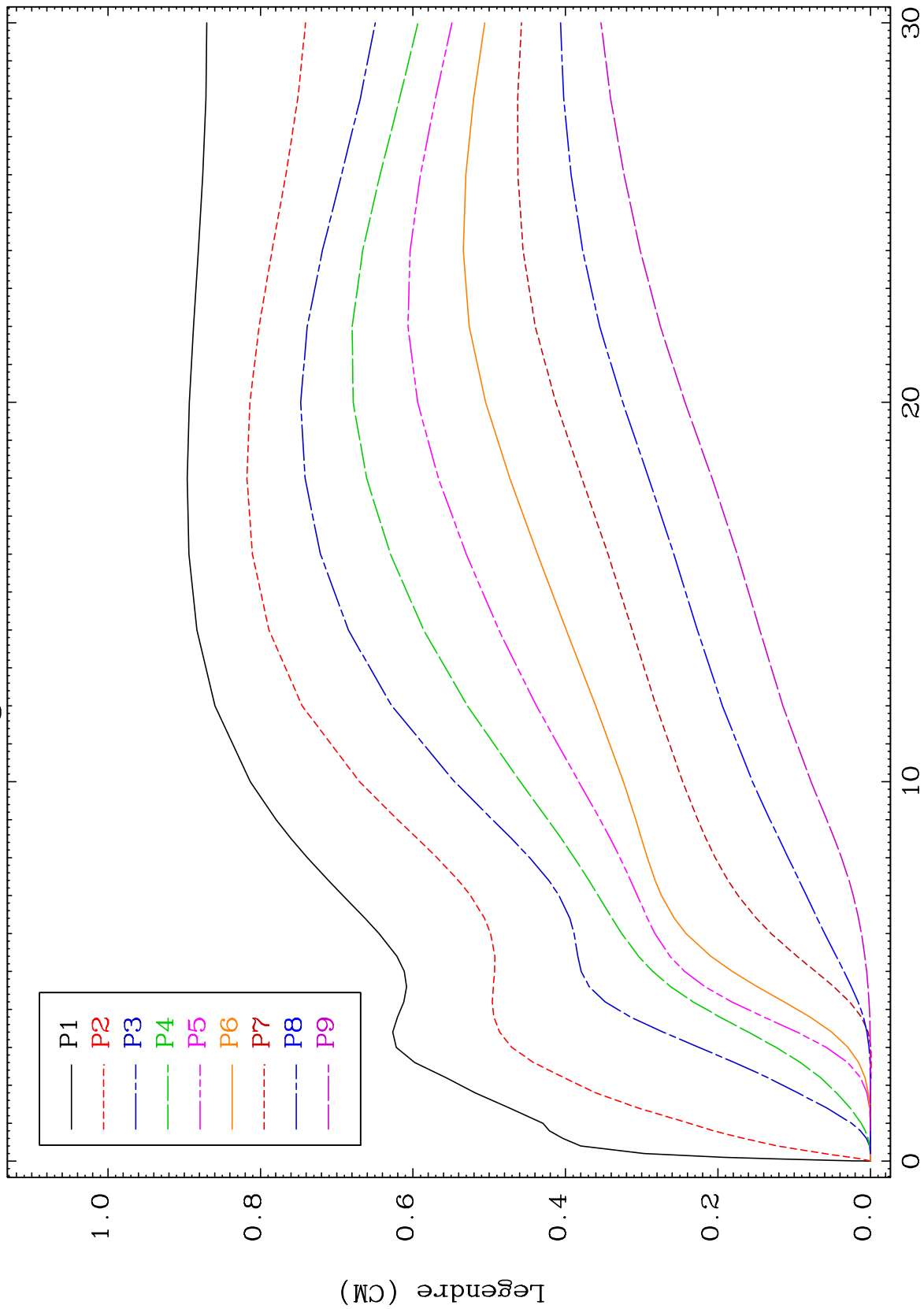




MAT 5058

Elastic Legendre Coefficients

50-Sn-123



16

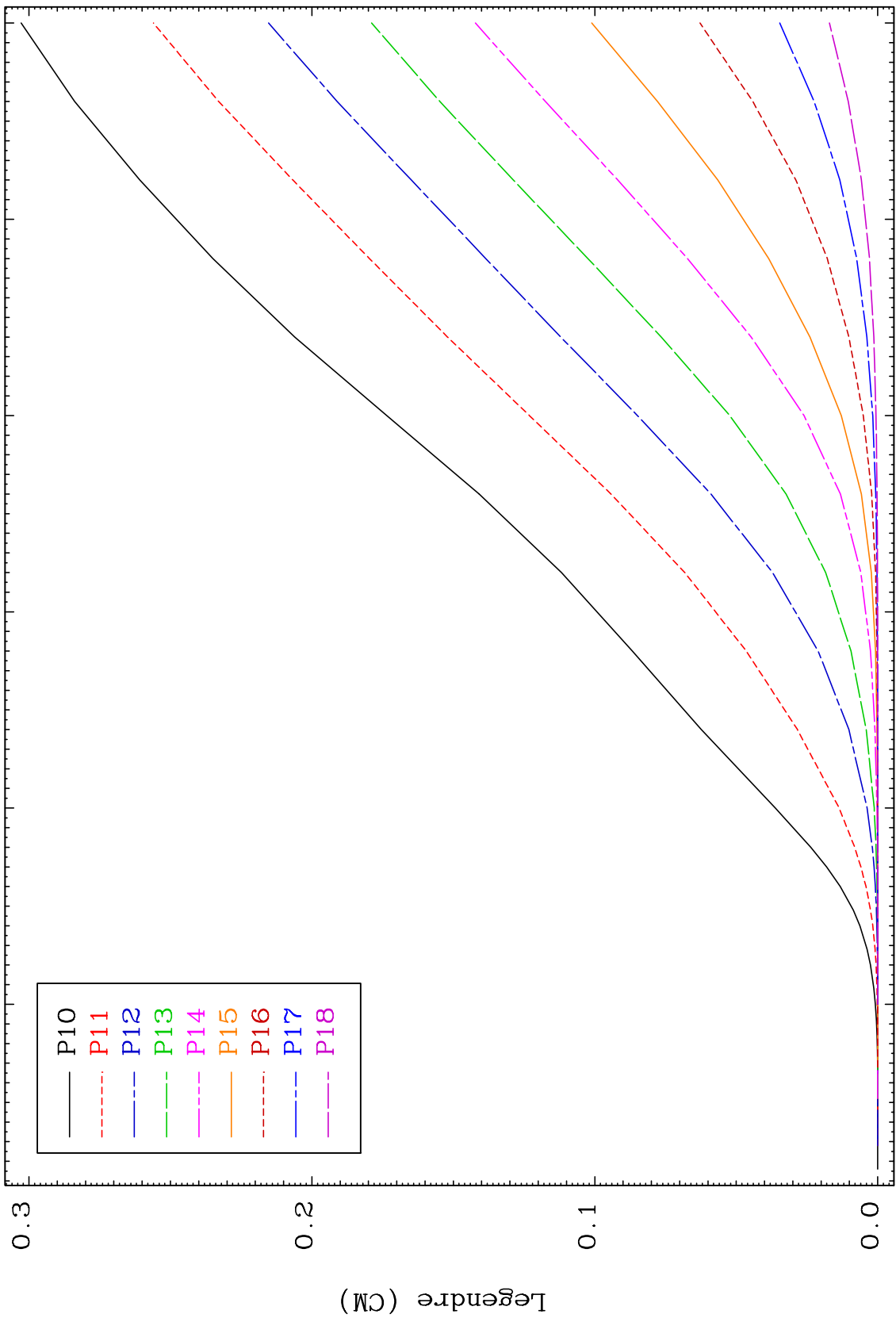
Incident Energy (MeV)

50-Sn-123

MAT 5058

Elastic Legendre Coefficients

50-Sn-123



17

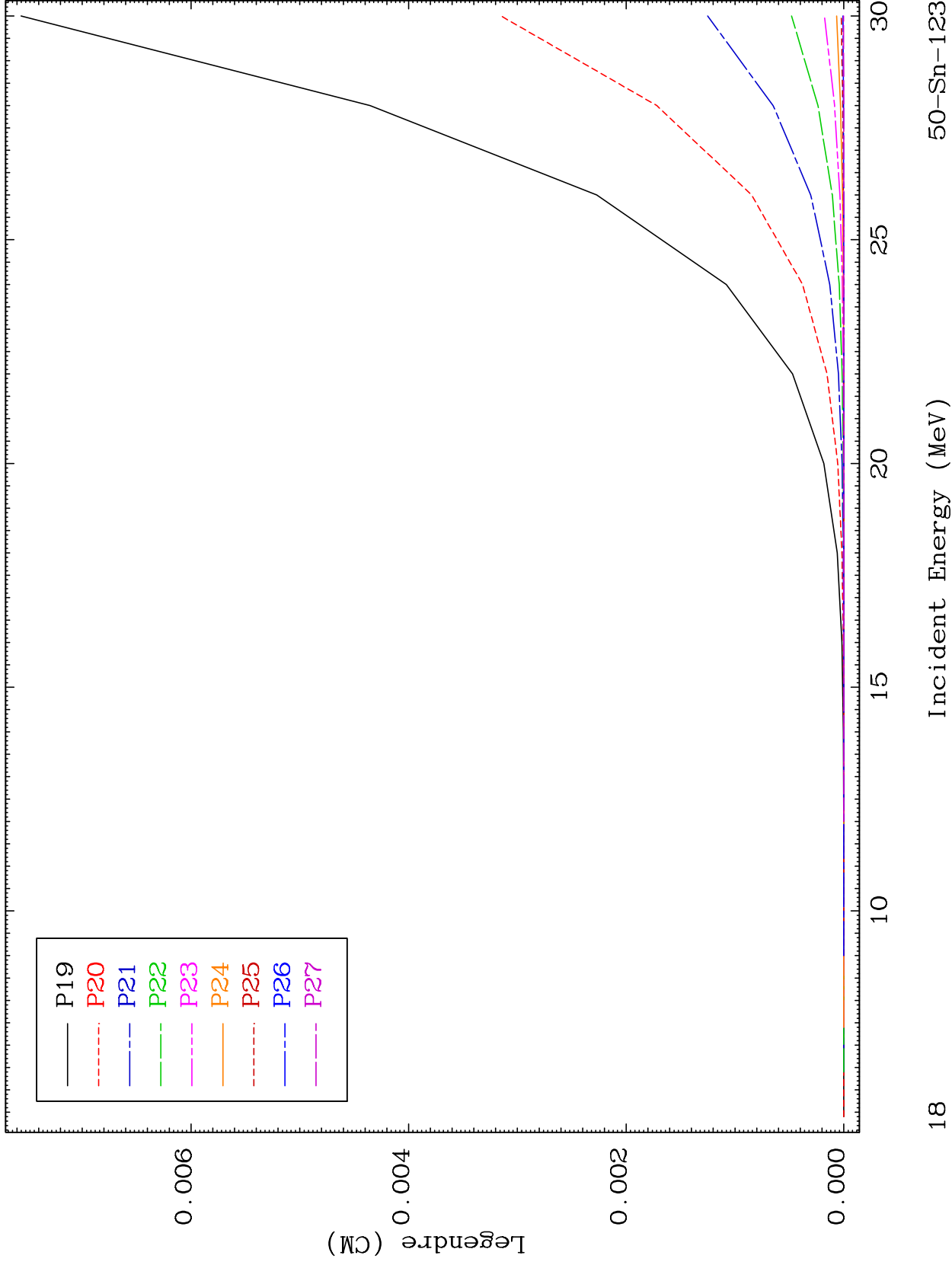
Incident Energy (MeV)

50-Sn-123

MAT 5058

Elastic Legendre Coefficients

50-Sn-123



18

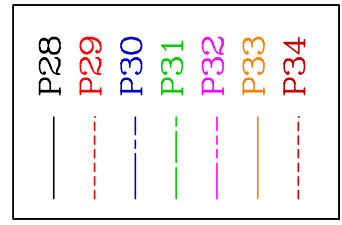
Incident Energy (MeV)

50-Sn-123

MAT 5058

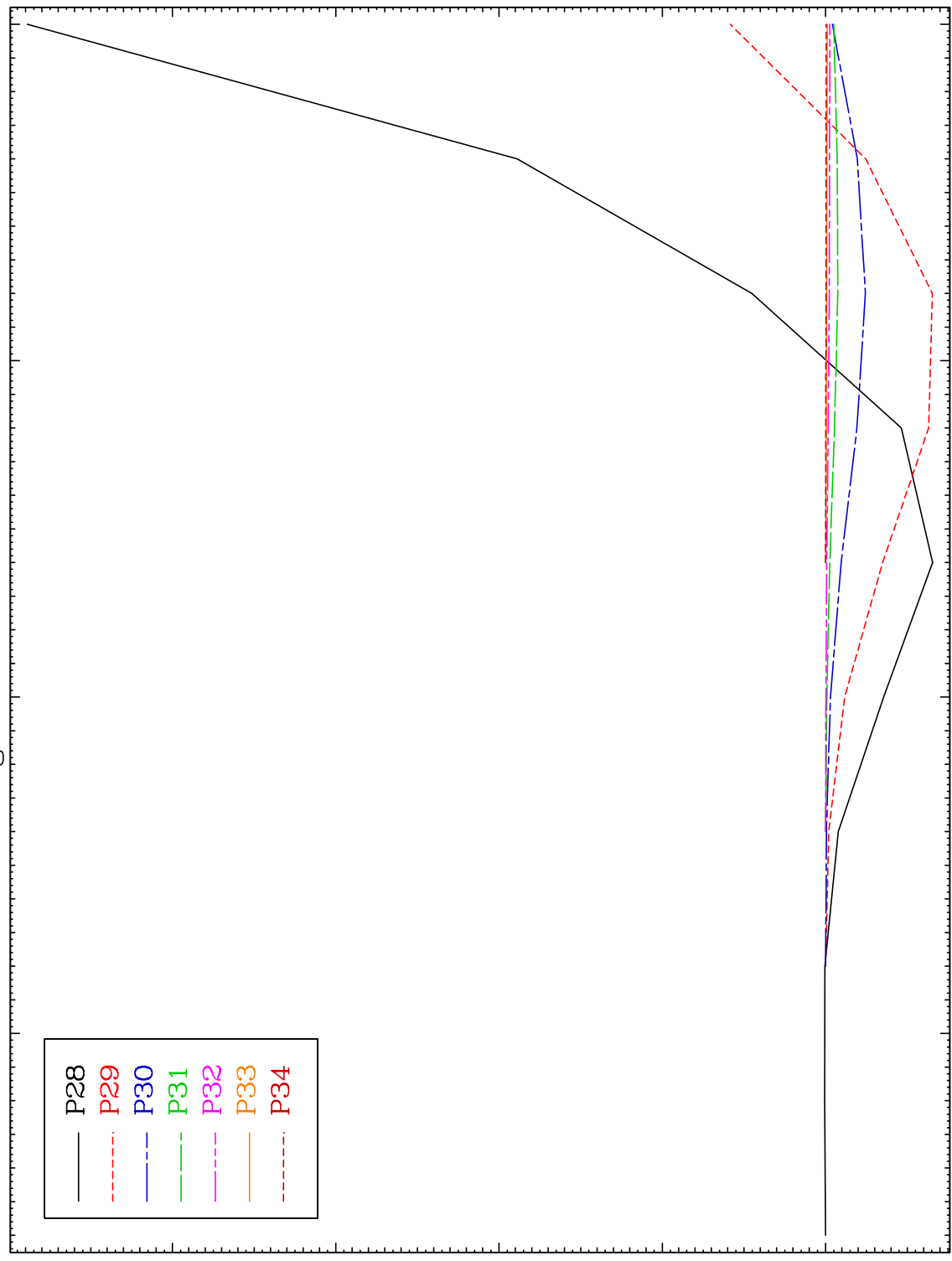
Elastic Legendre Coefficients

50-Sn-123



$\times 10^{-7}$

Legendre (CM)



19

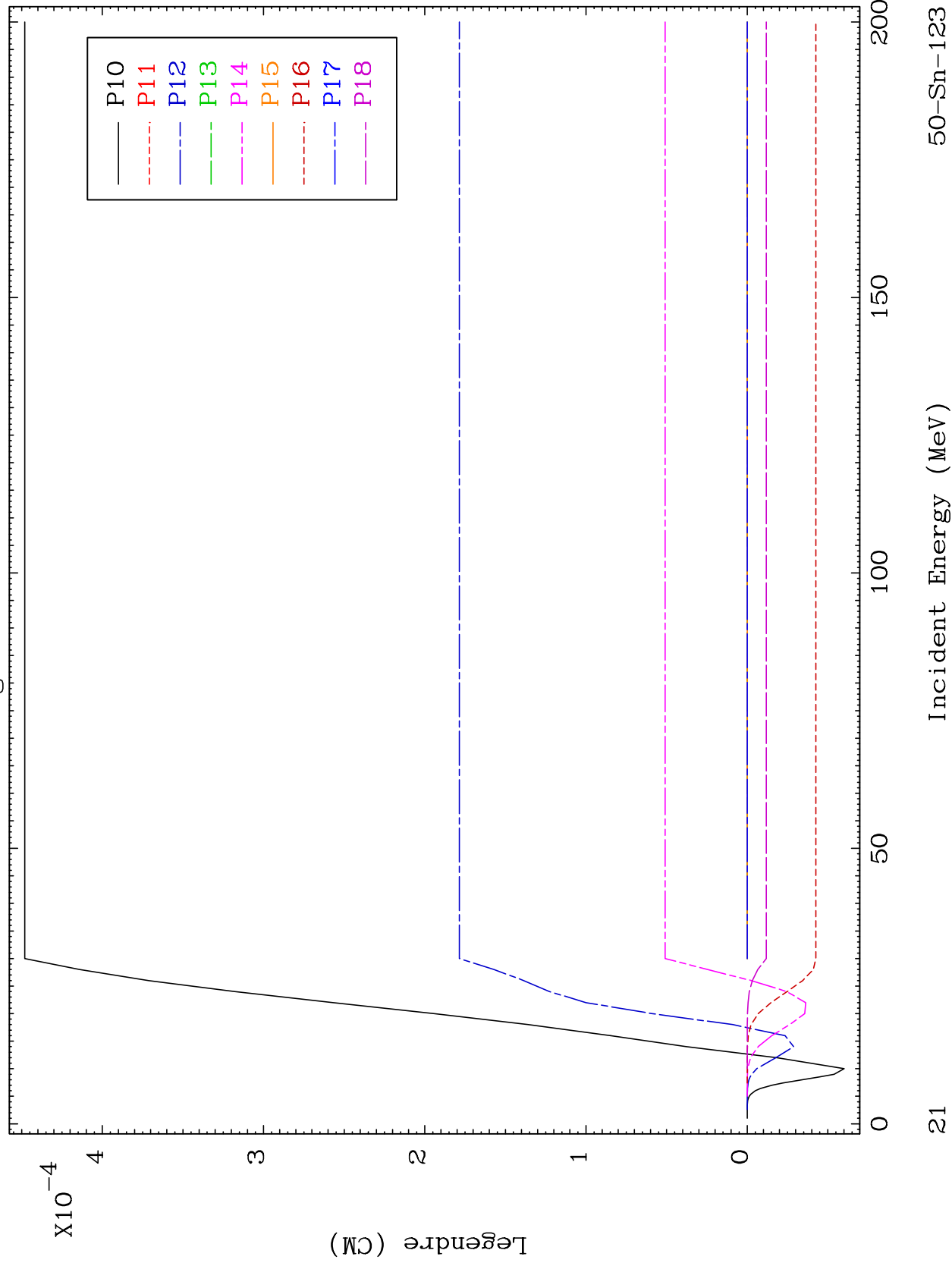
Incident Energy (MeV)

50-Sn-123

MAT 5058

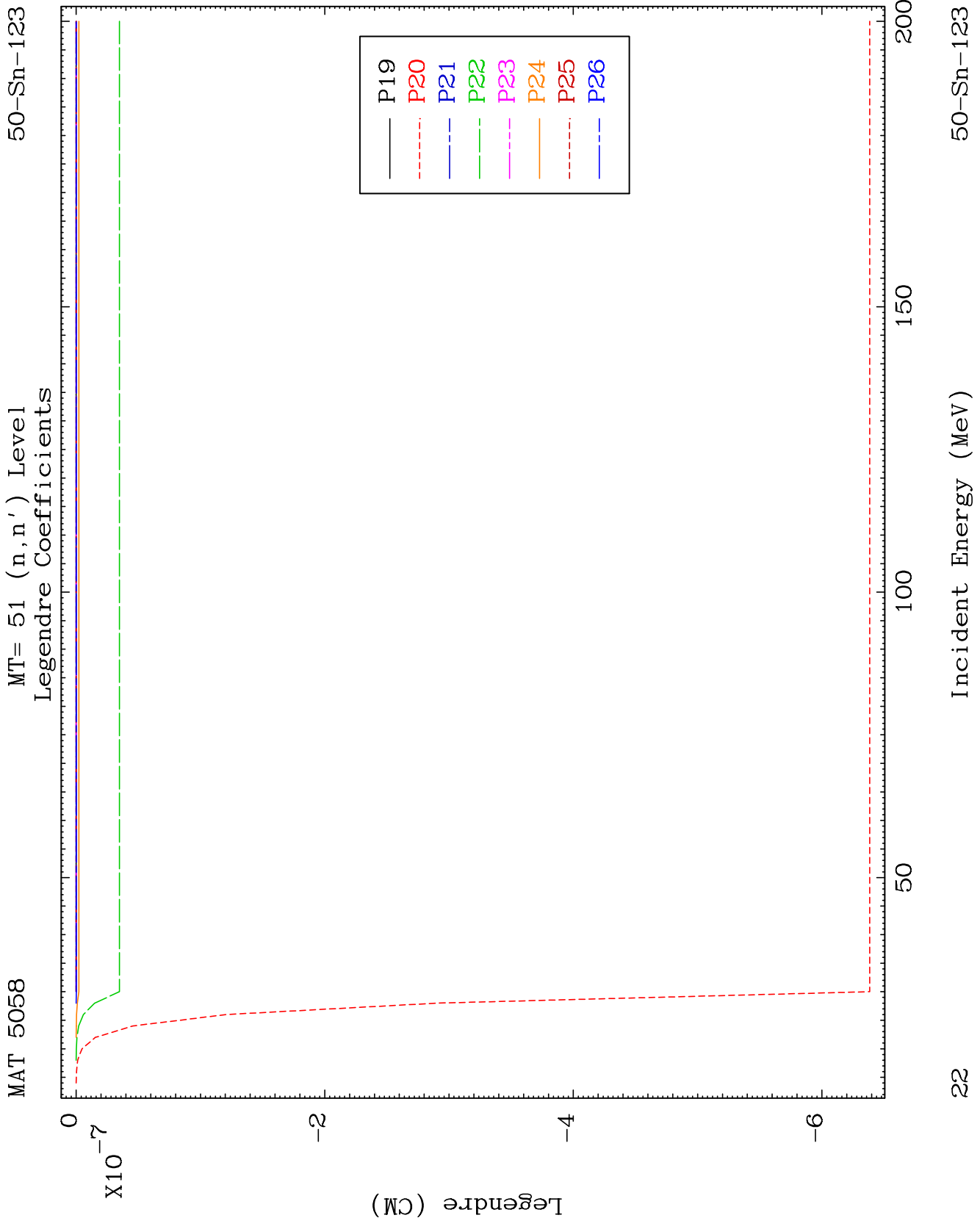
MT= 51 (n,n') Level
Legendre Coefficients

50-Sn-123



21

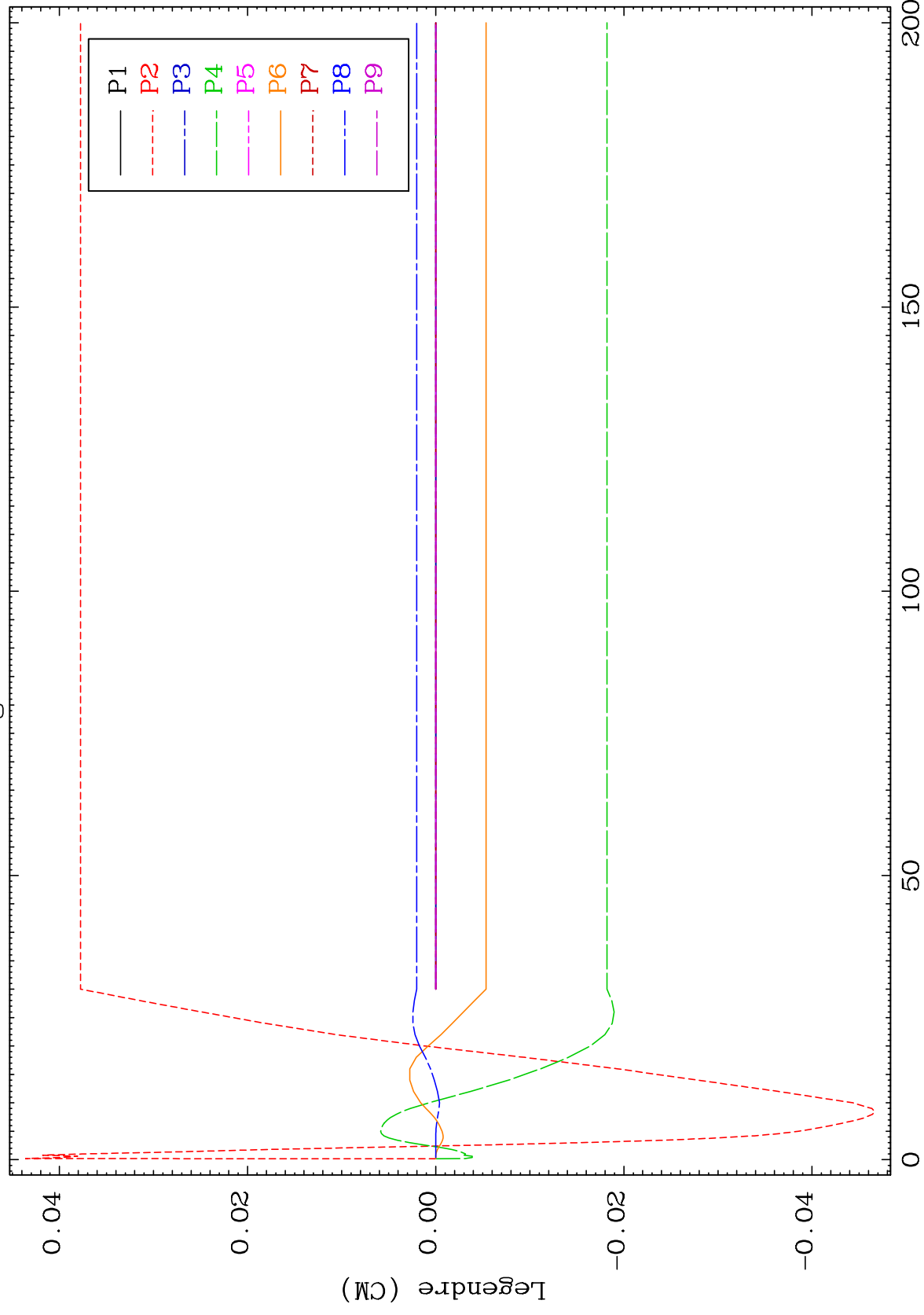
50-Sn-123



MAT 5058

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

50-Sn-123



50-Sn-123

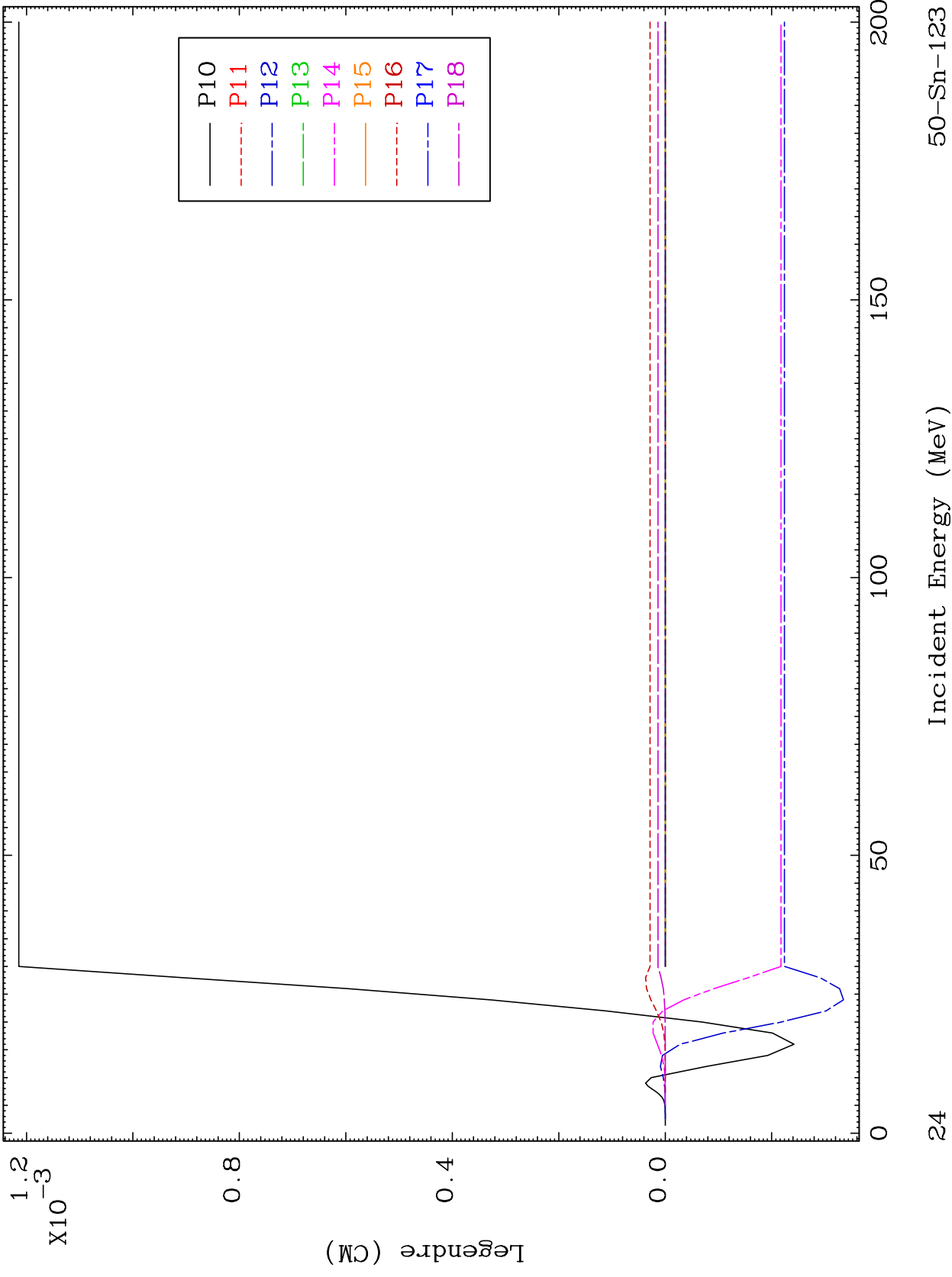
Incident Energy (MeV)

23

MAT 5058

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

50-Sn-123



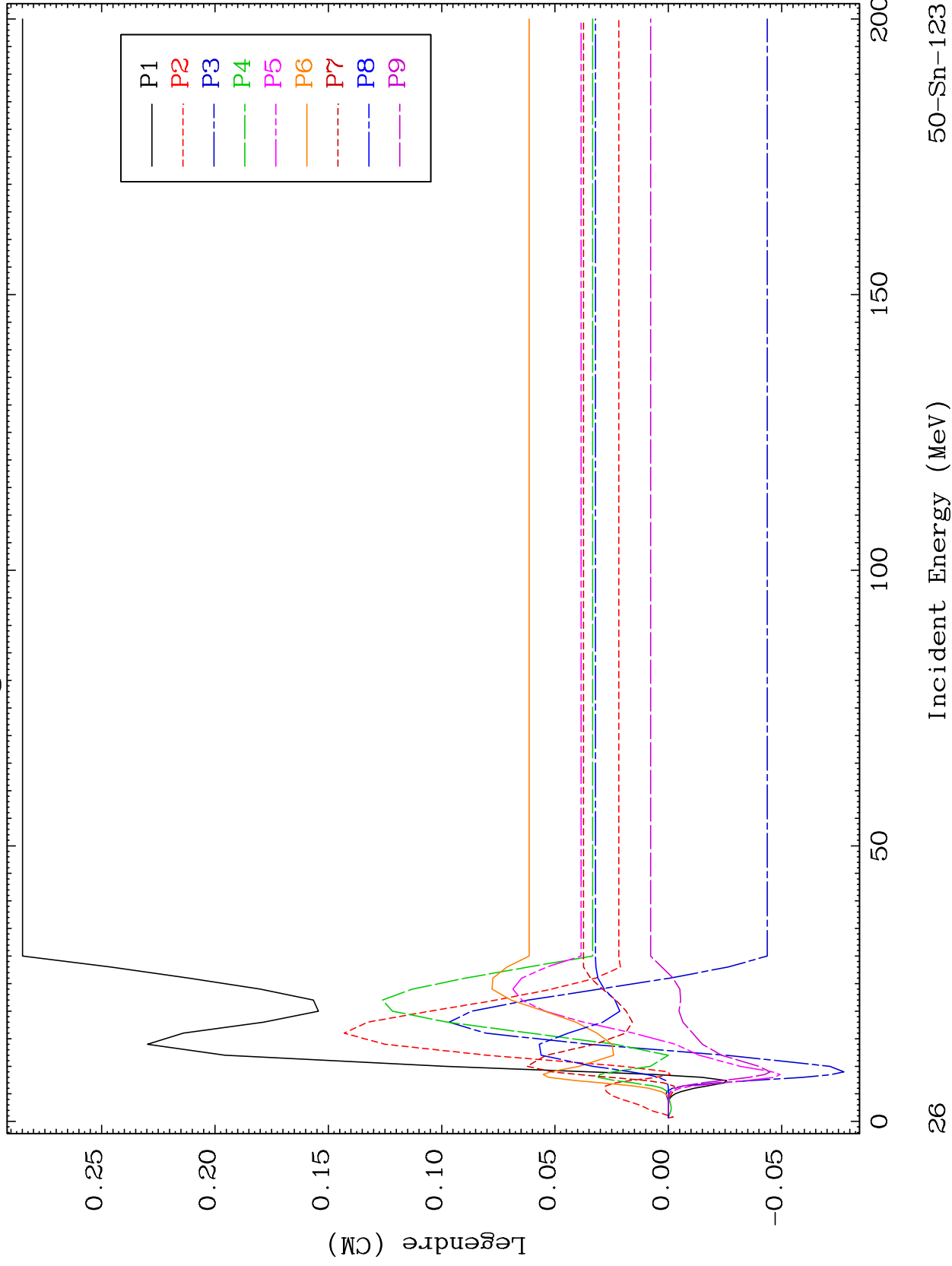
24

50-Sn-123

MAT 5058

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

50-Sn-123



50-Sn-123

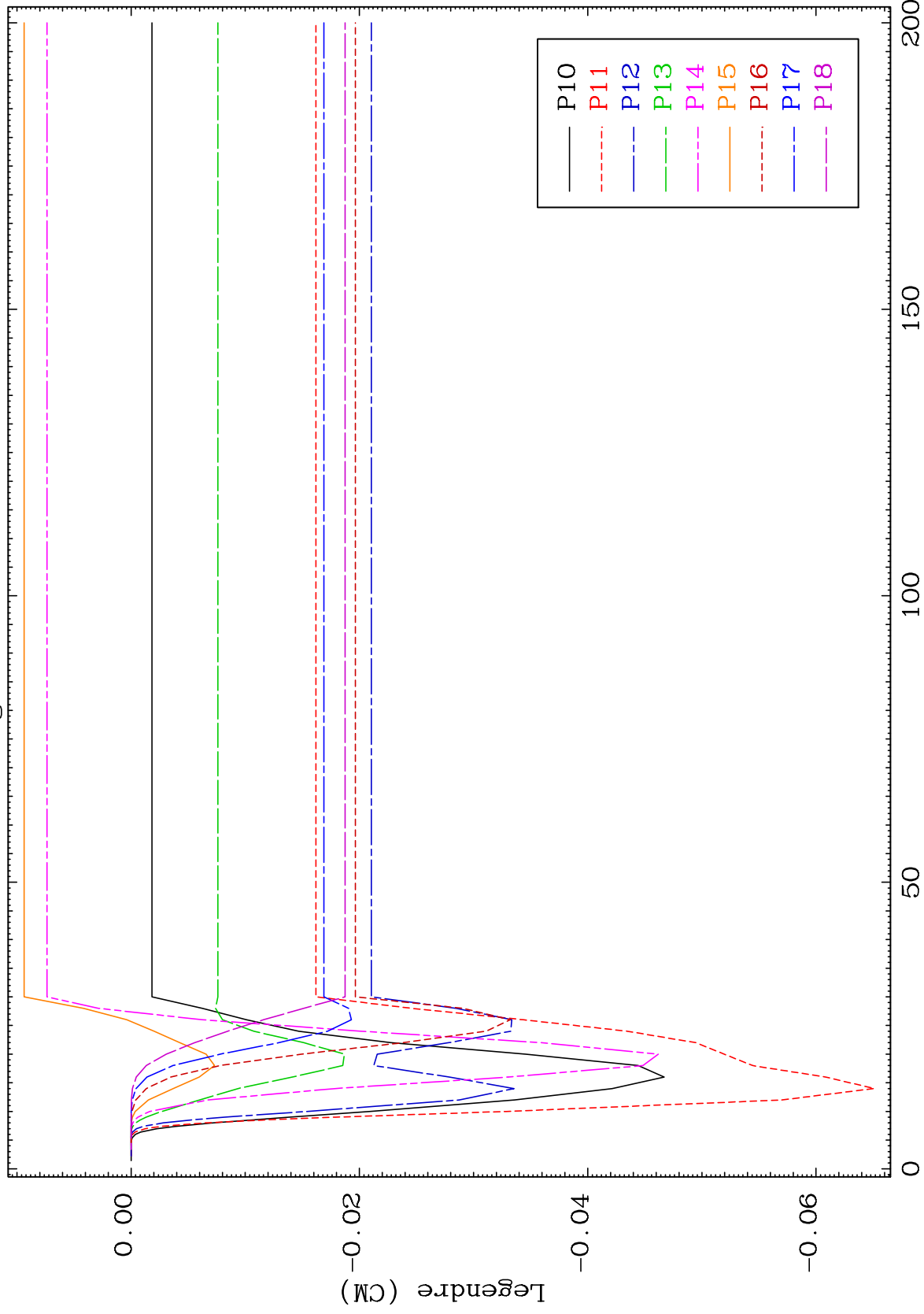
Incident Energy (MeV)

26

MAT 5058

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

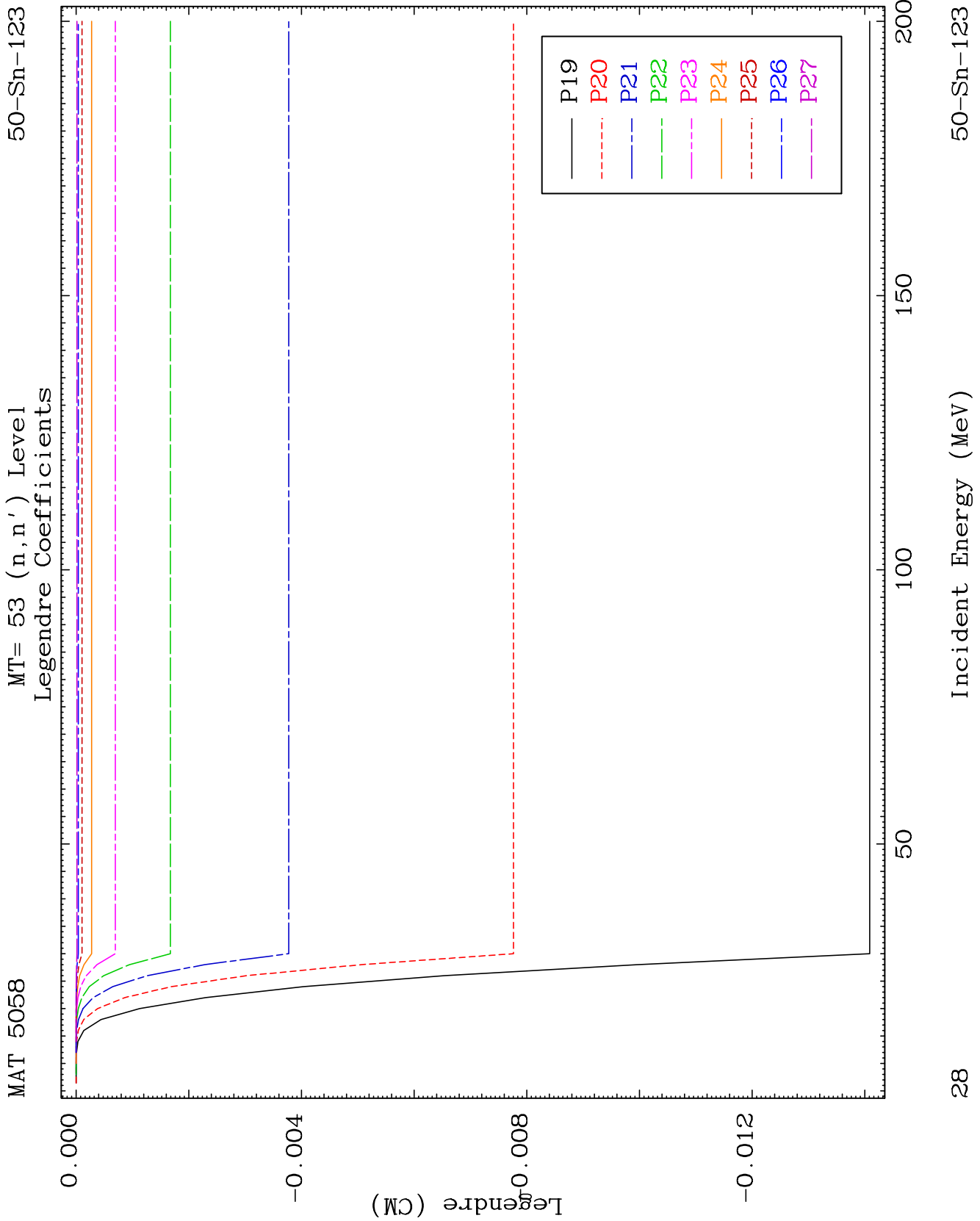
50-Sn-123

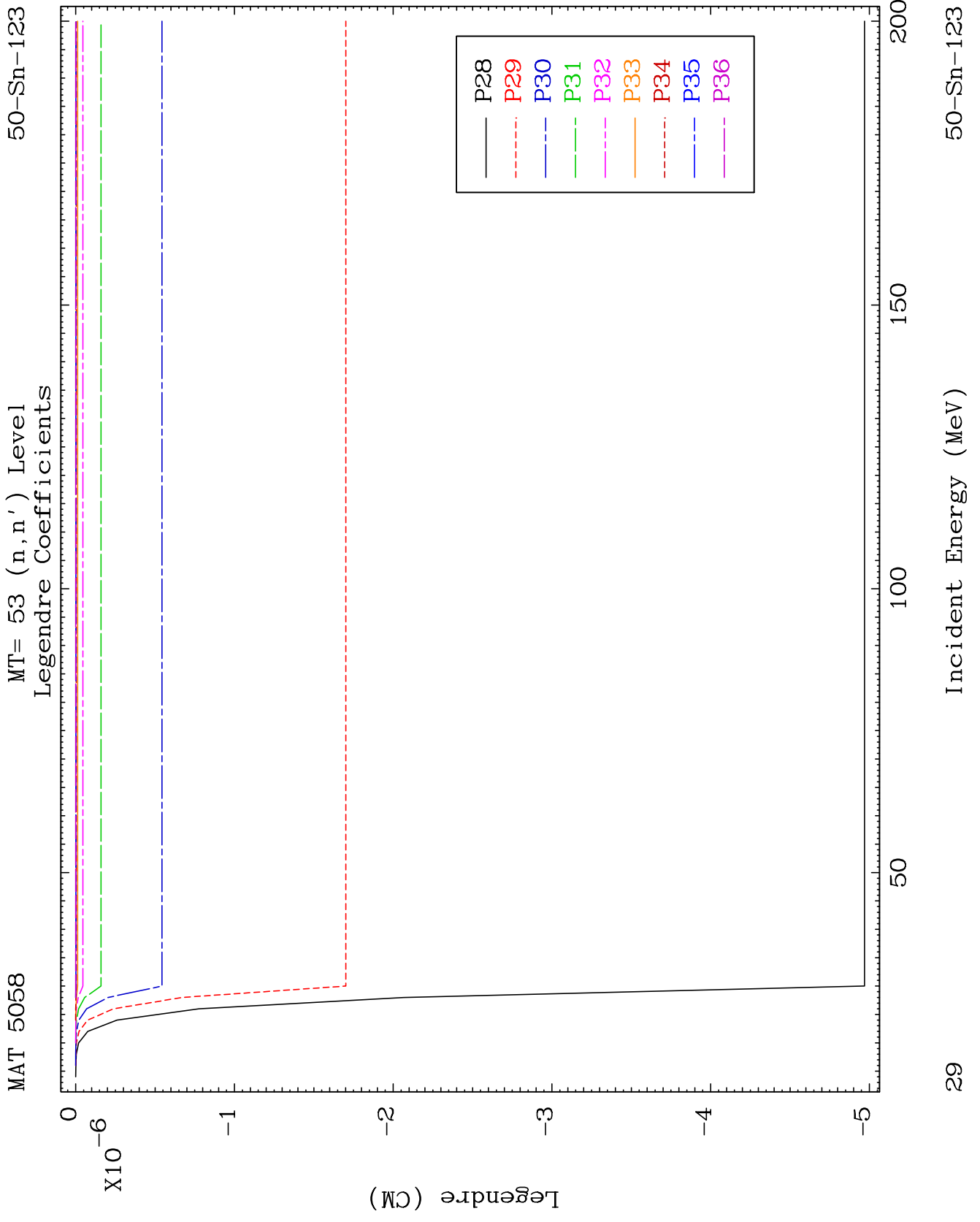


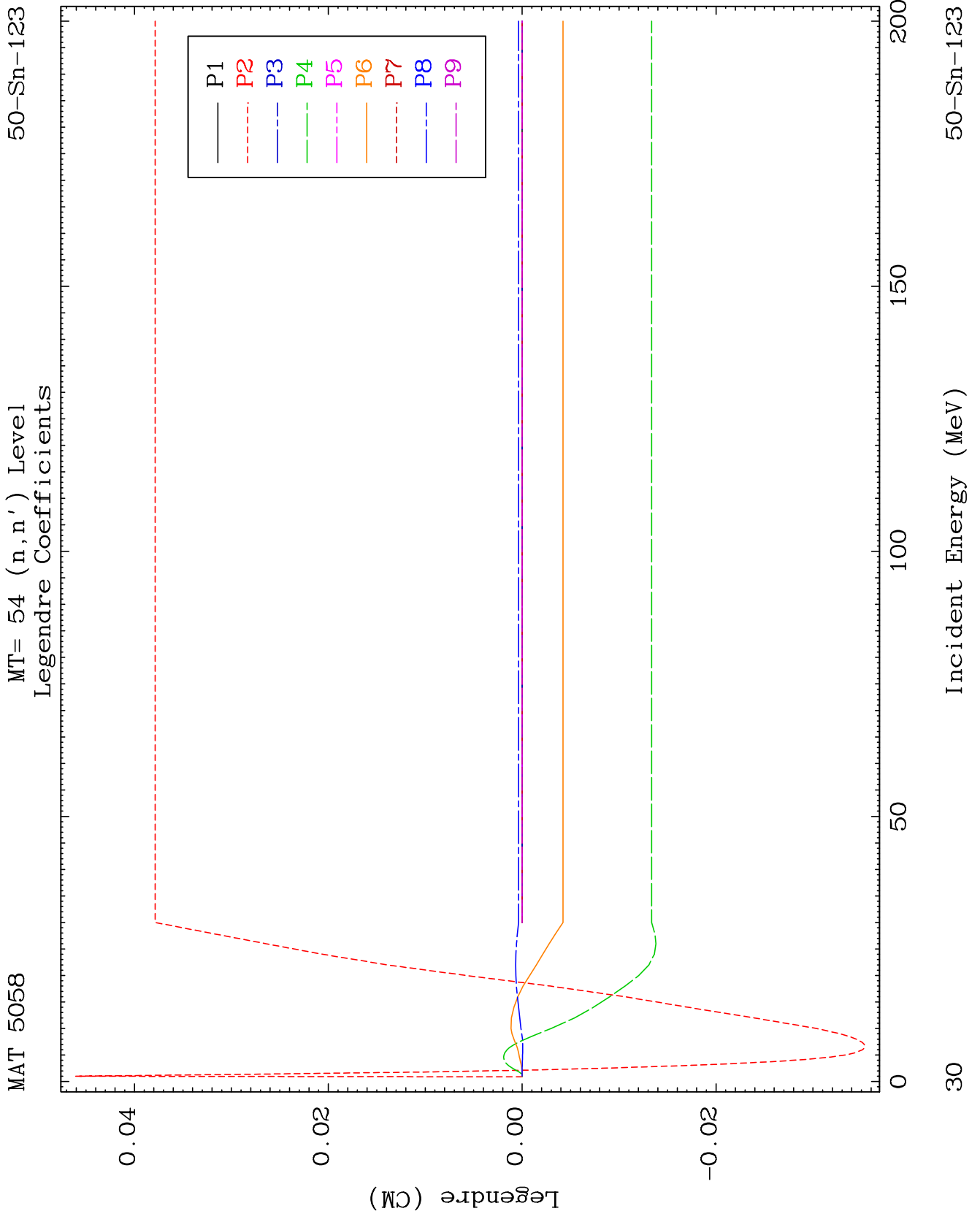
27

Incident Energy (MeV)

50-Sn-123



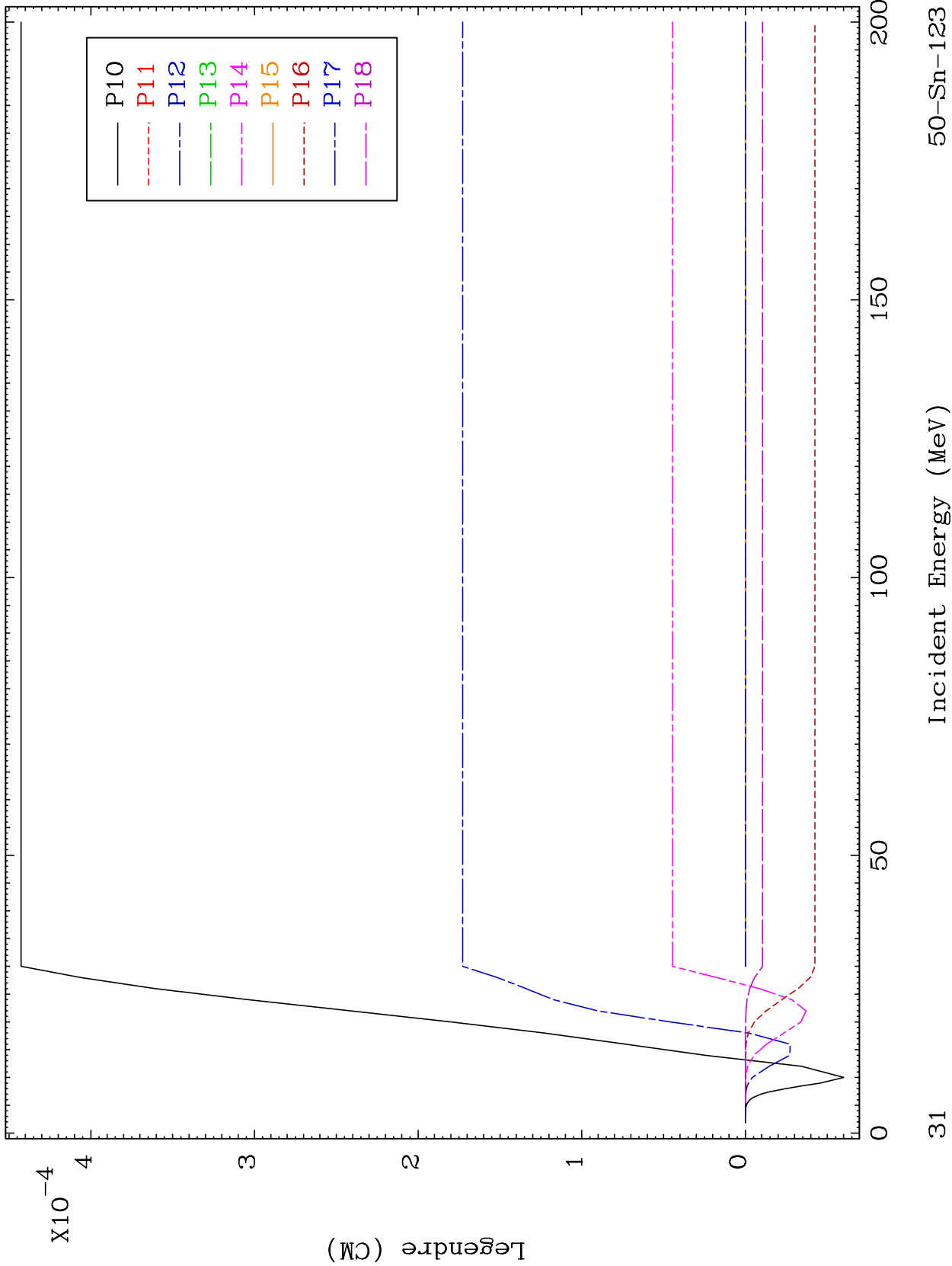


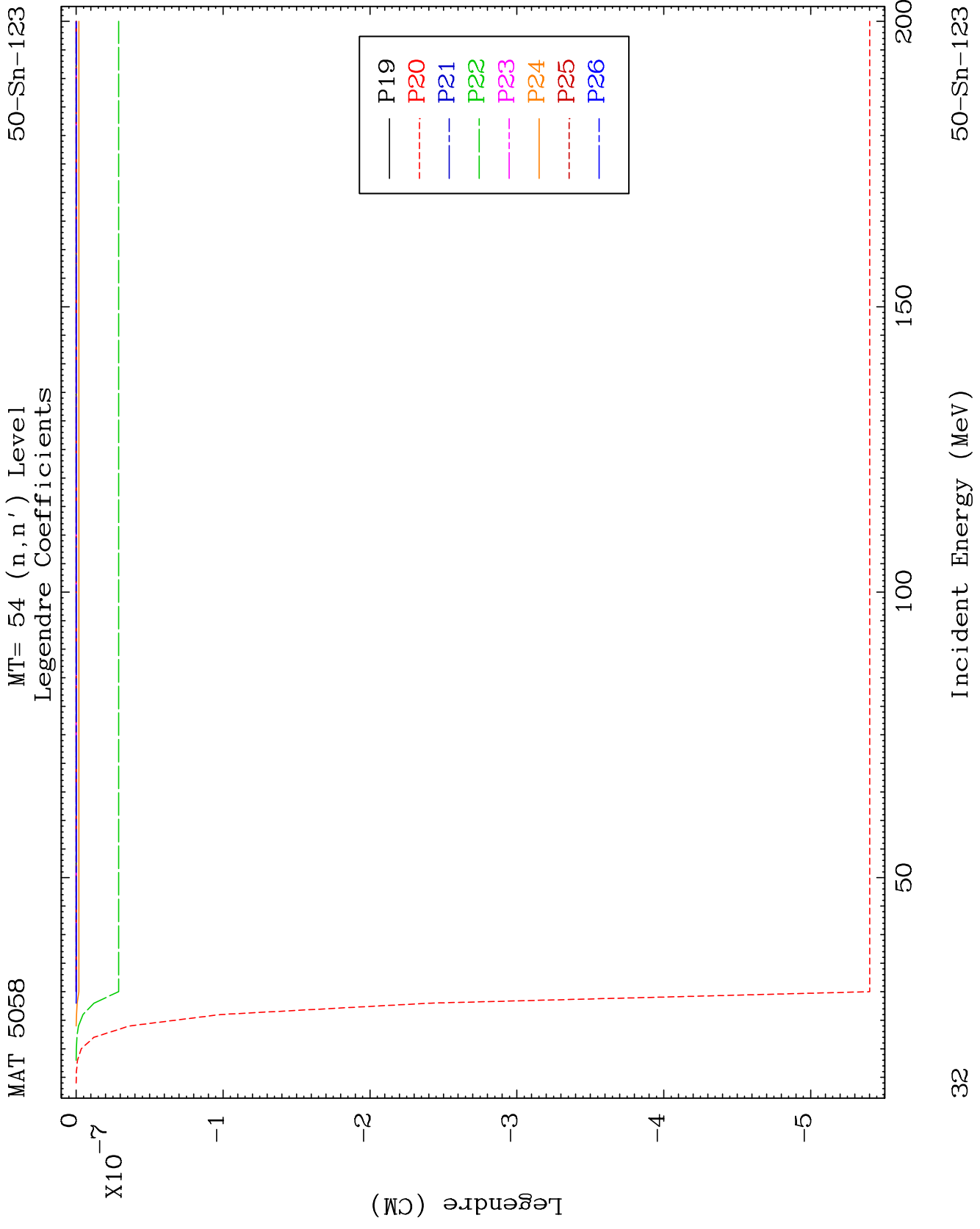


MAT 5058

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

50-Sn-123

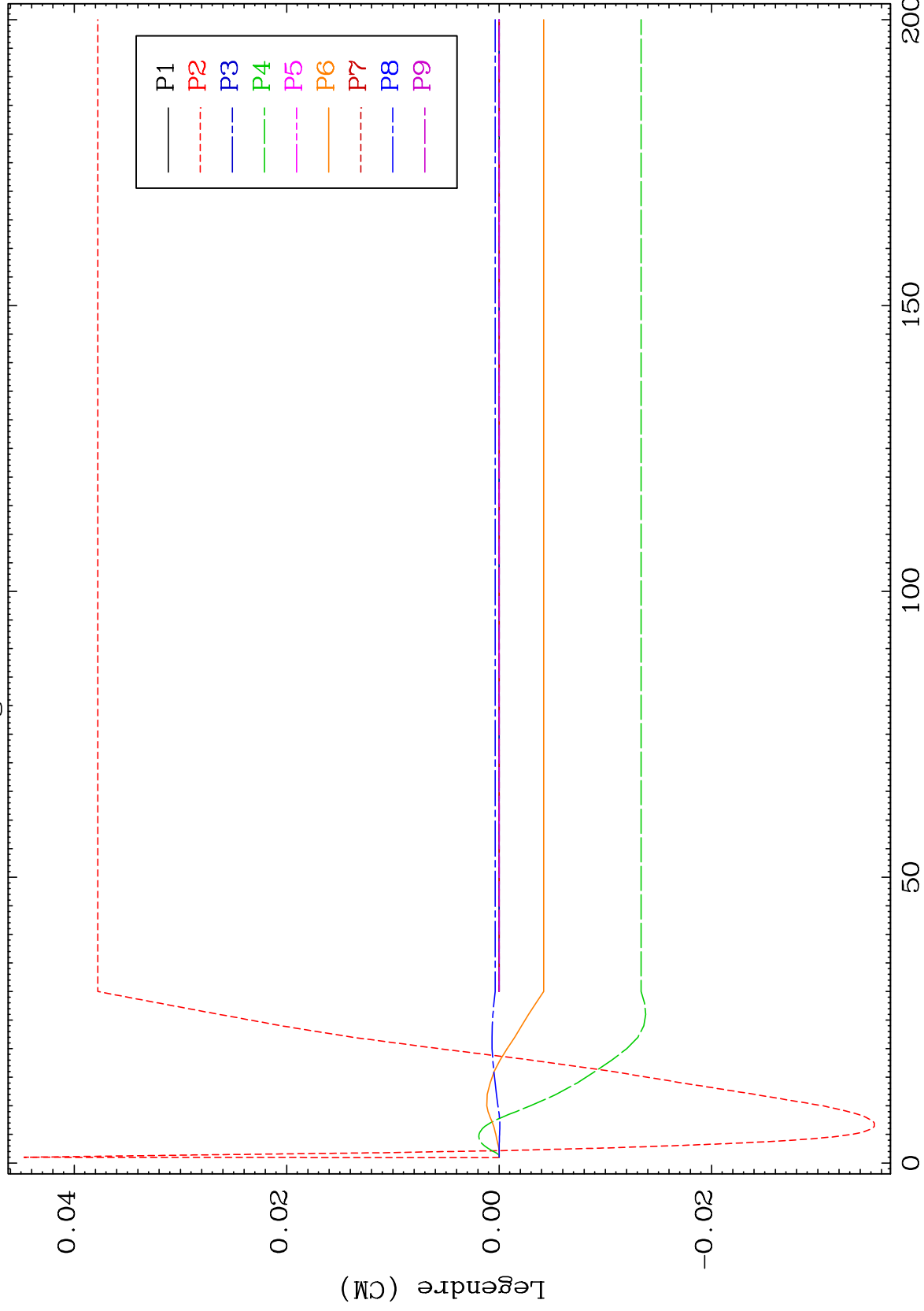




MAT 5058

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

50-Sn-123



50-Sn-123

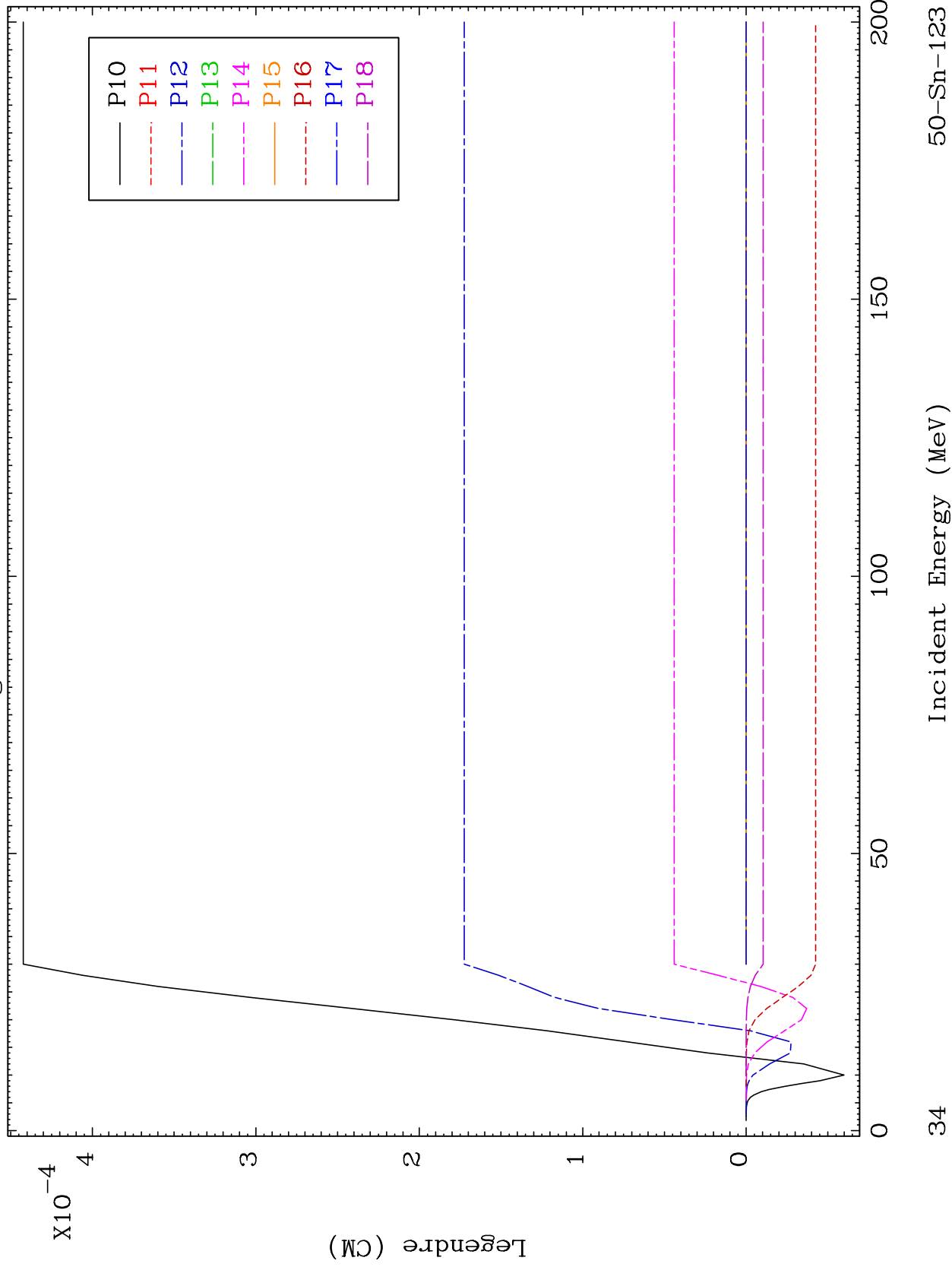
Incident Energy (MeV)

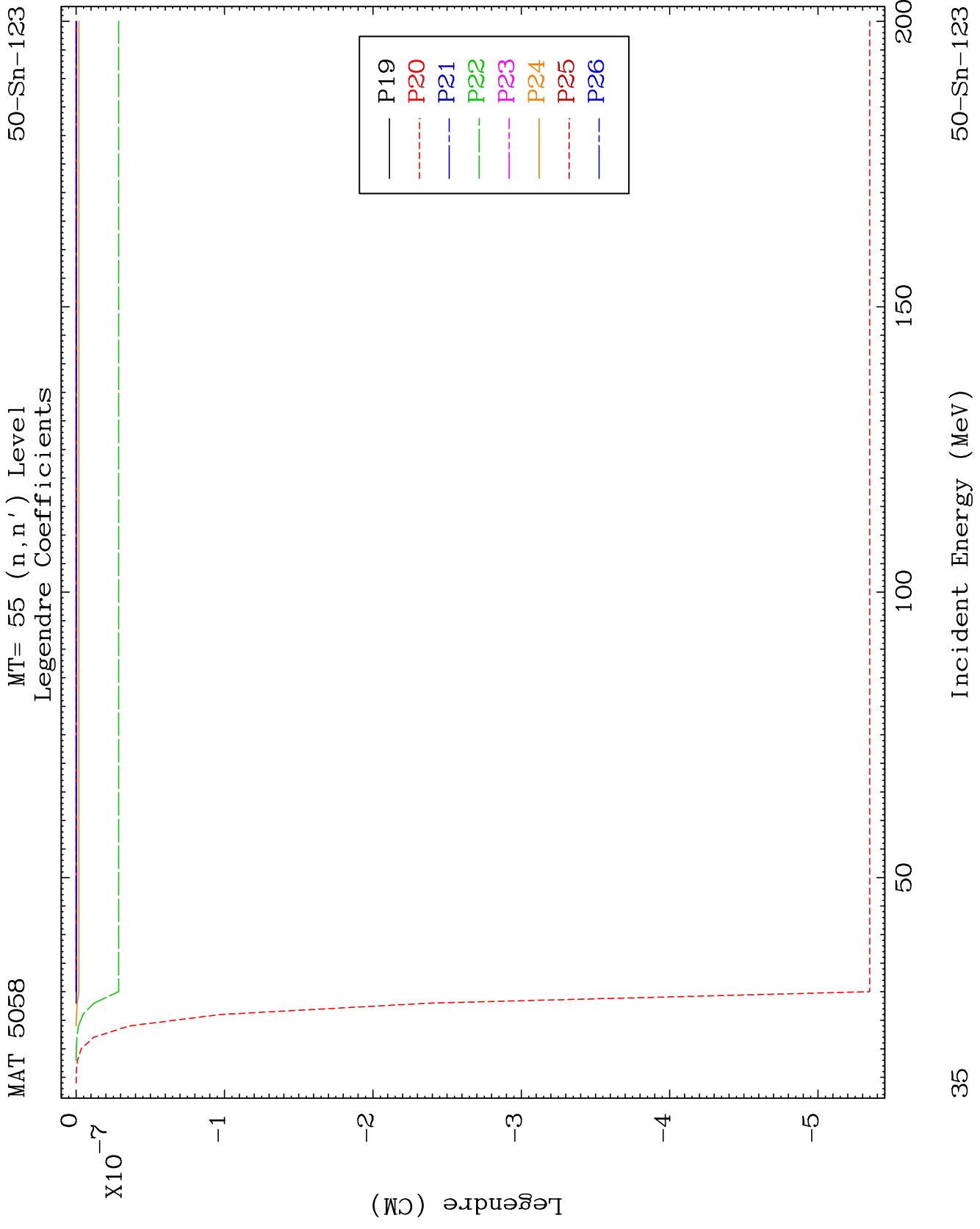
33

MAT 5058

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

50-Sn-123

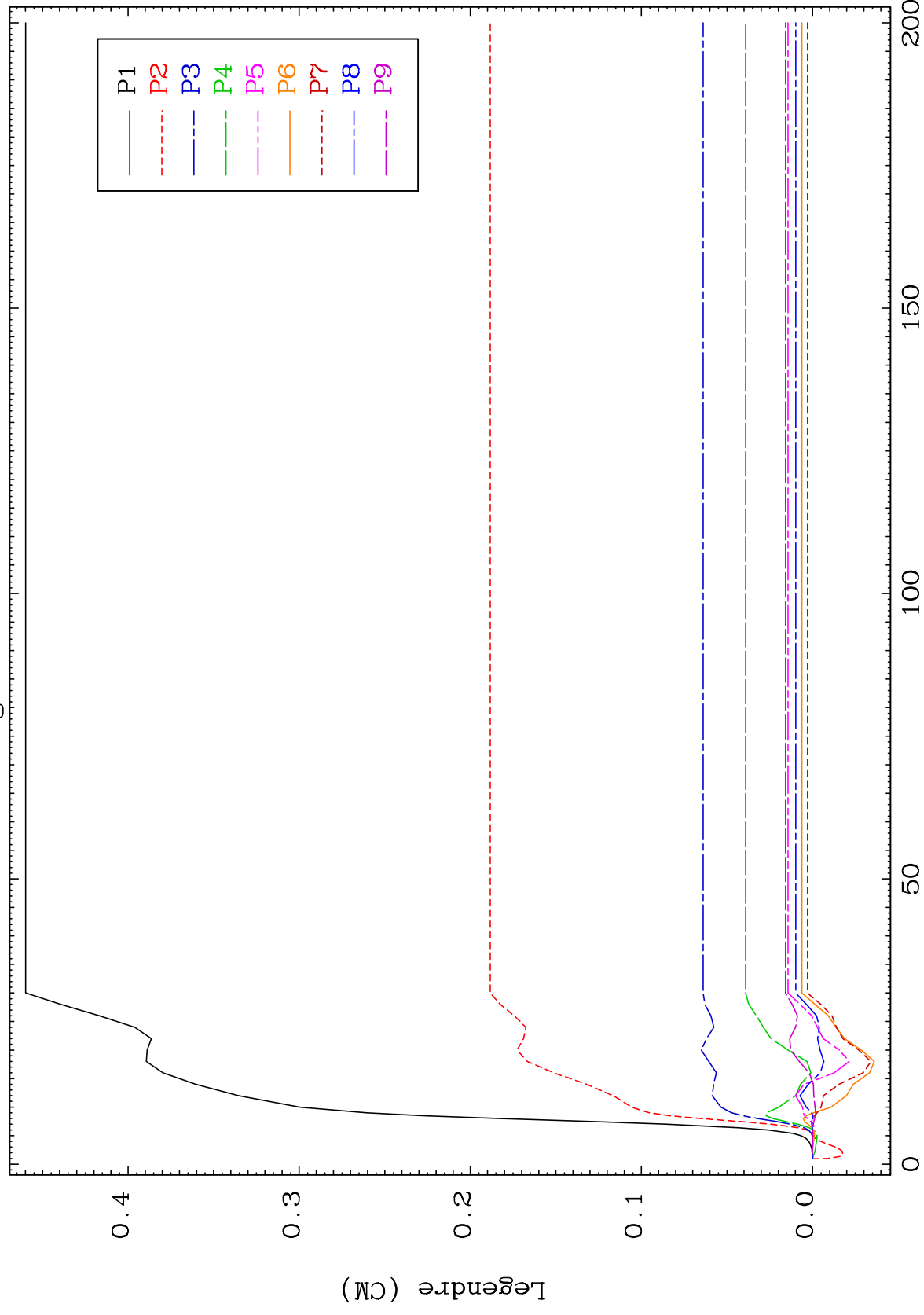




MAT 5058

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

50-Sn-123



36

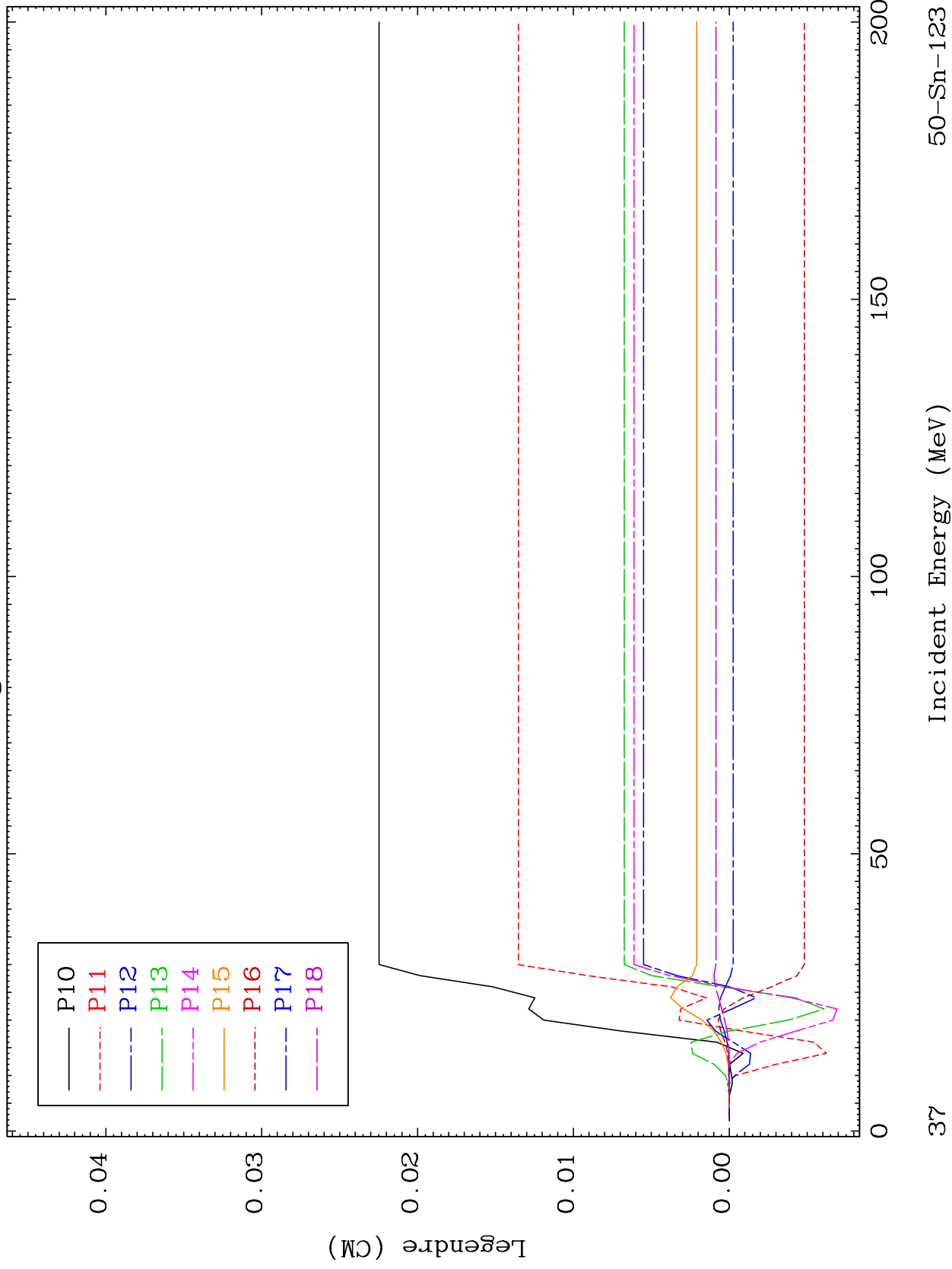
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



37

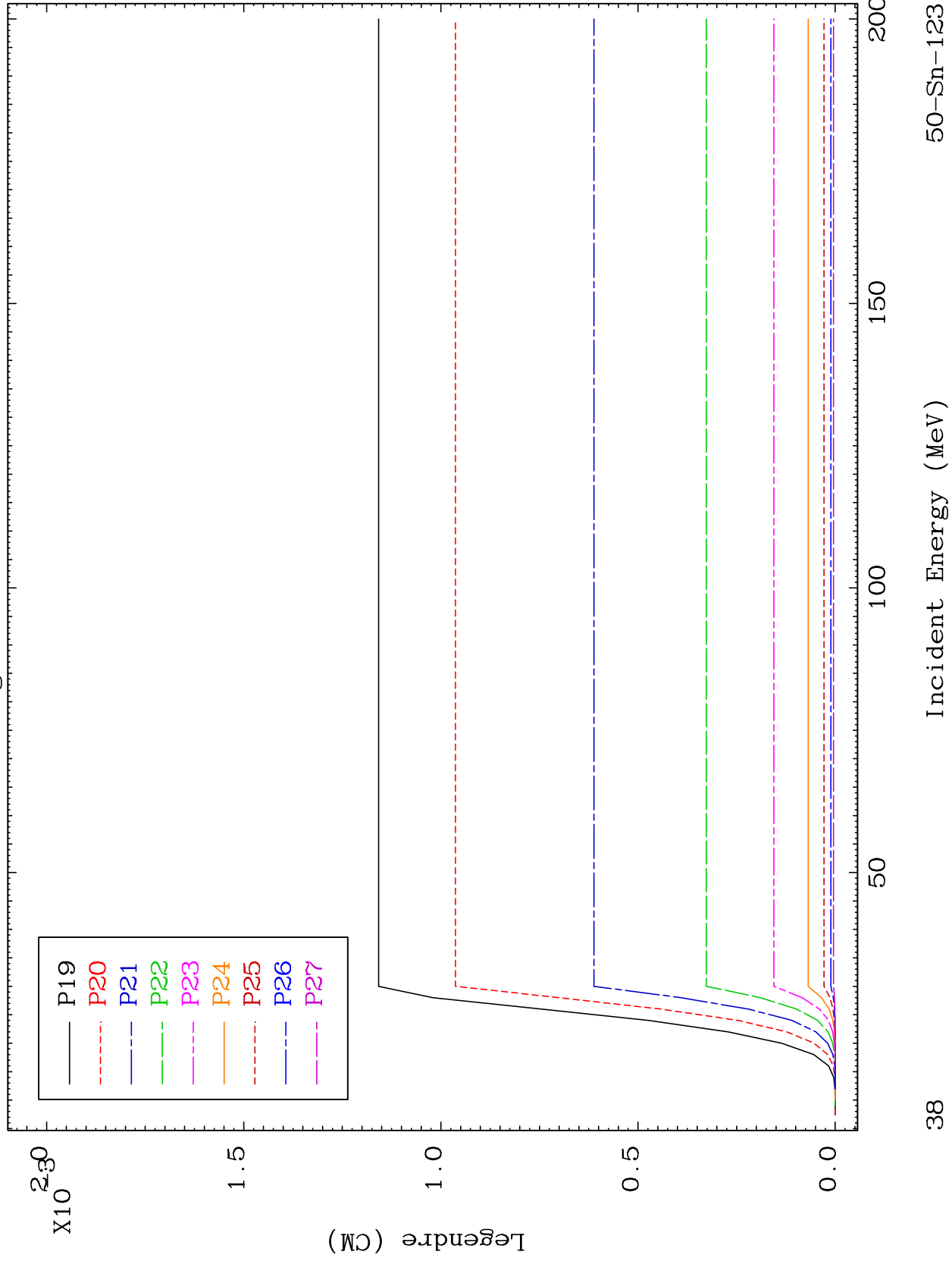
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

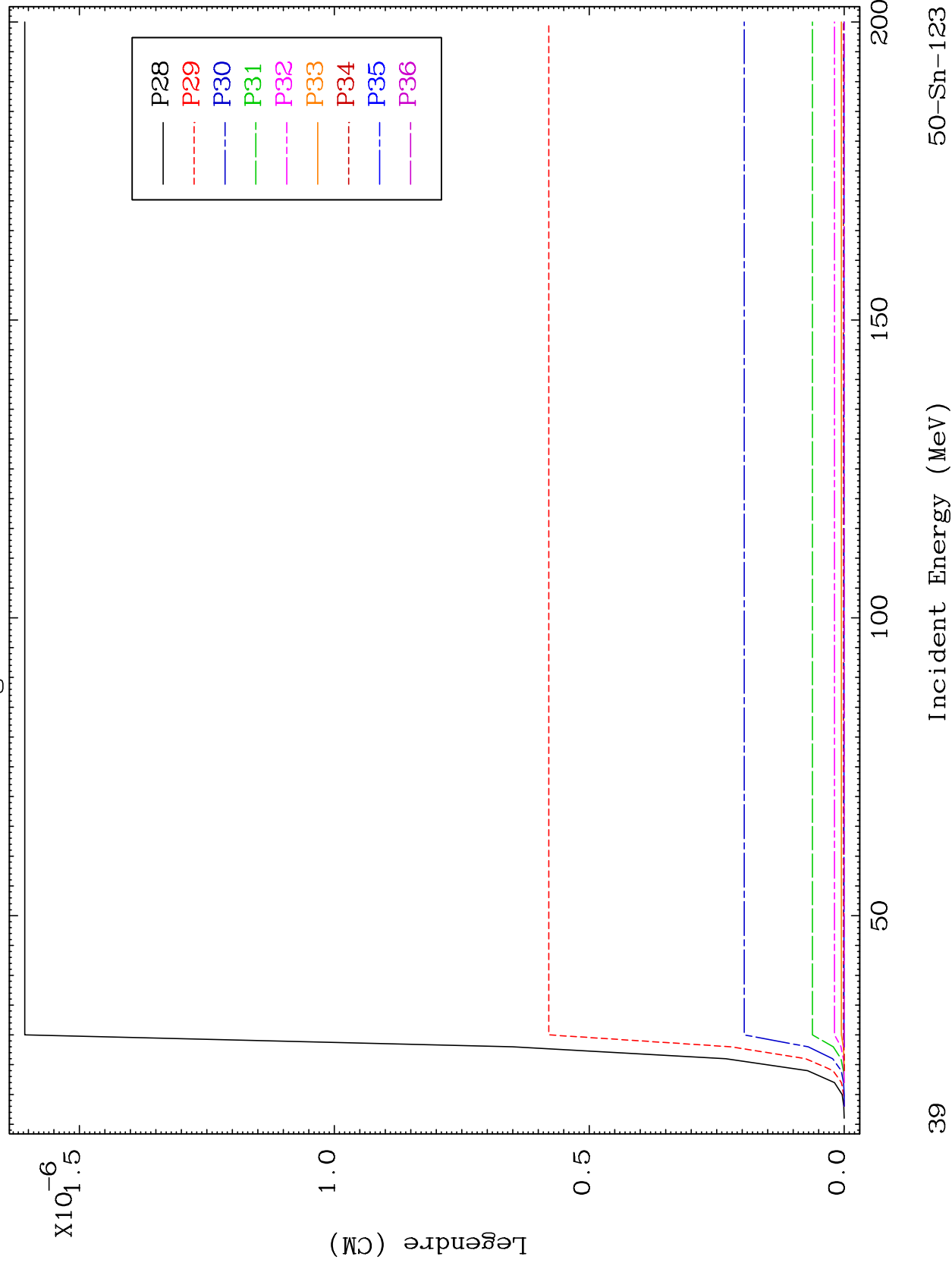
50-Sn-123



MAT 5058

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

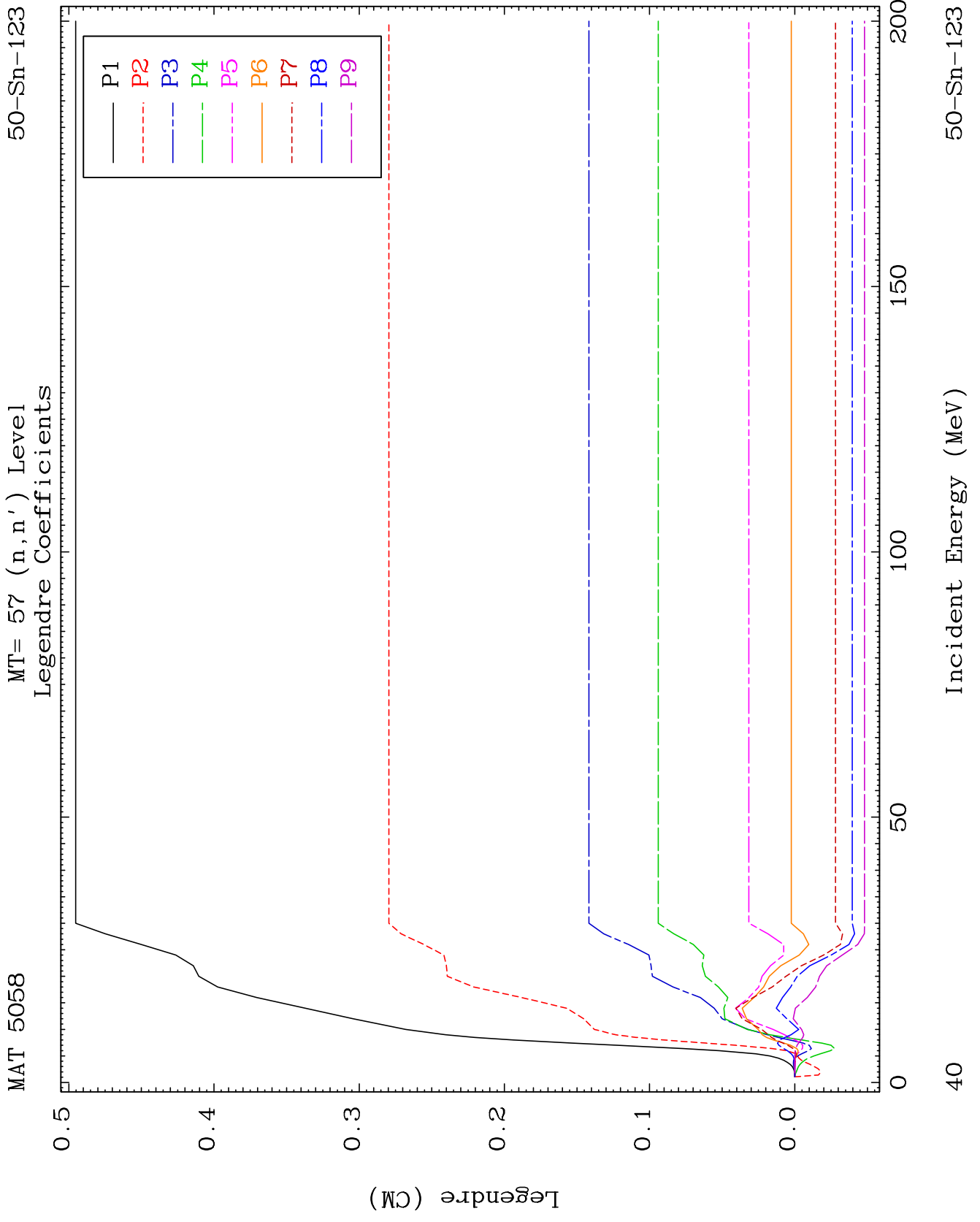
50-Sn-123



39

Incident Energy (MeV)

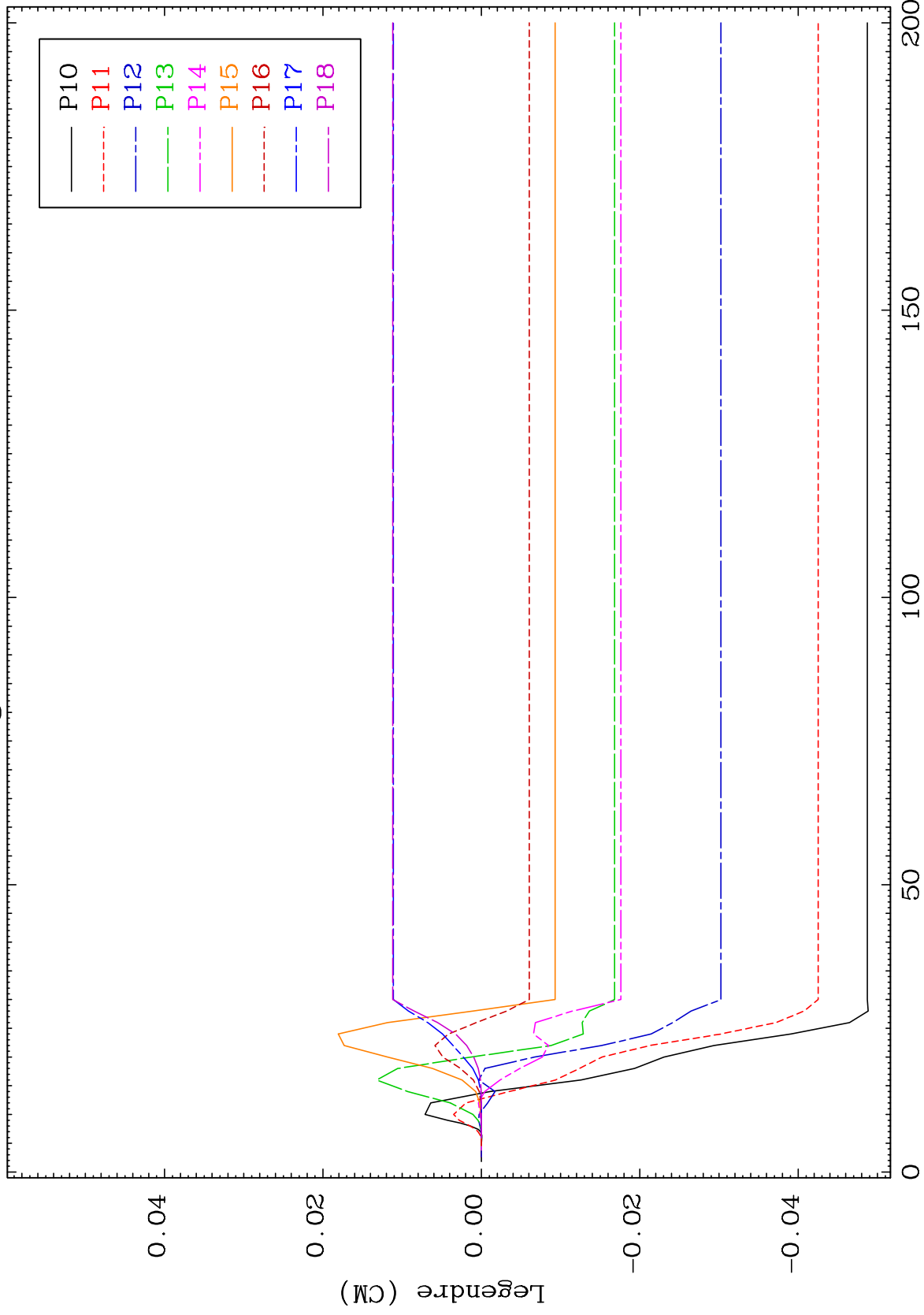
50-Sn-123



MAT 5058

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

50-Sn-123



41

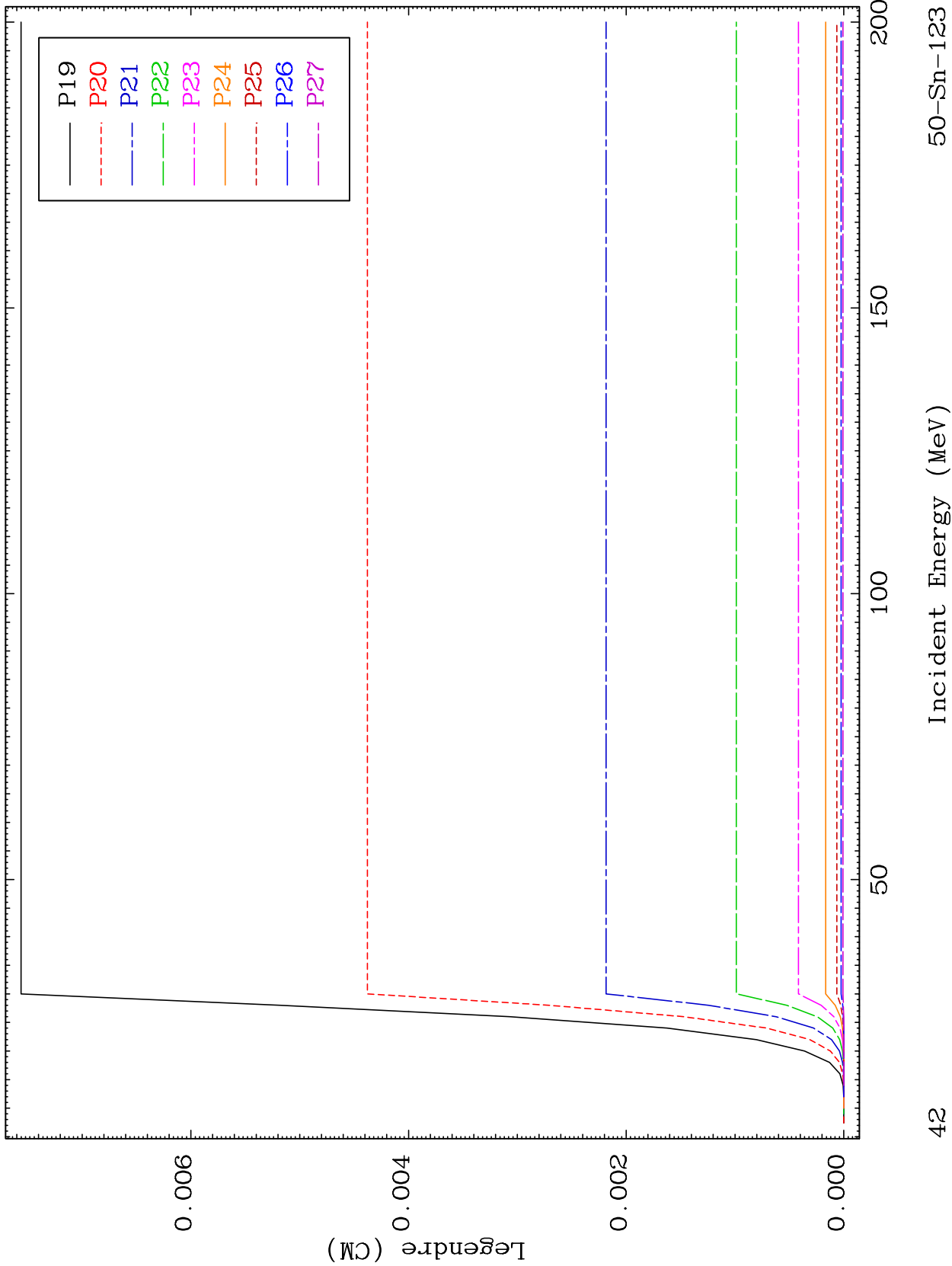
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



42

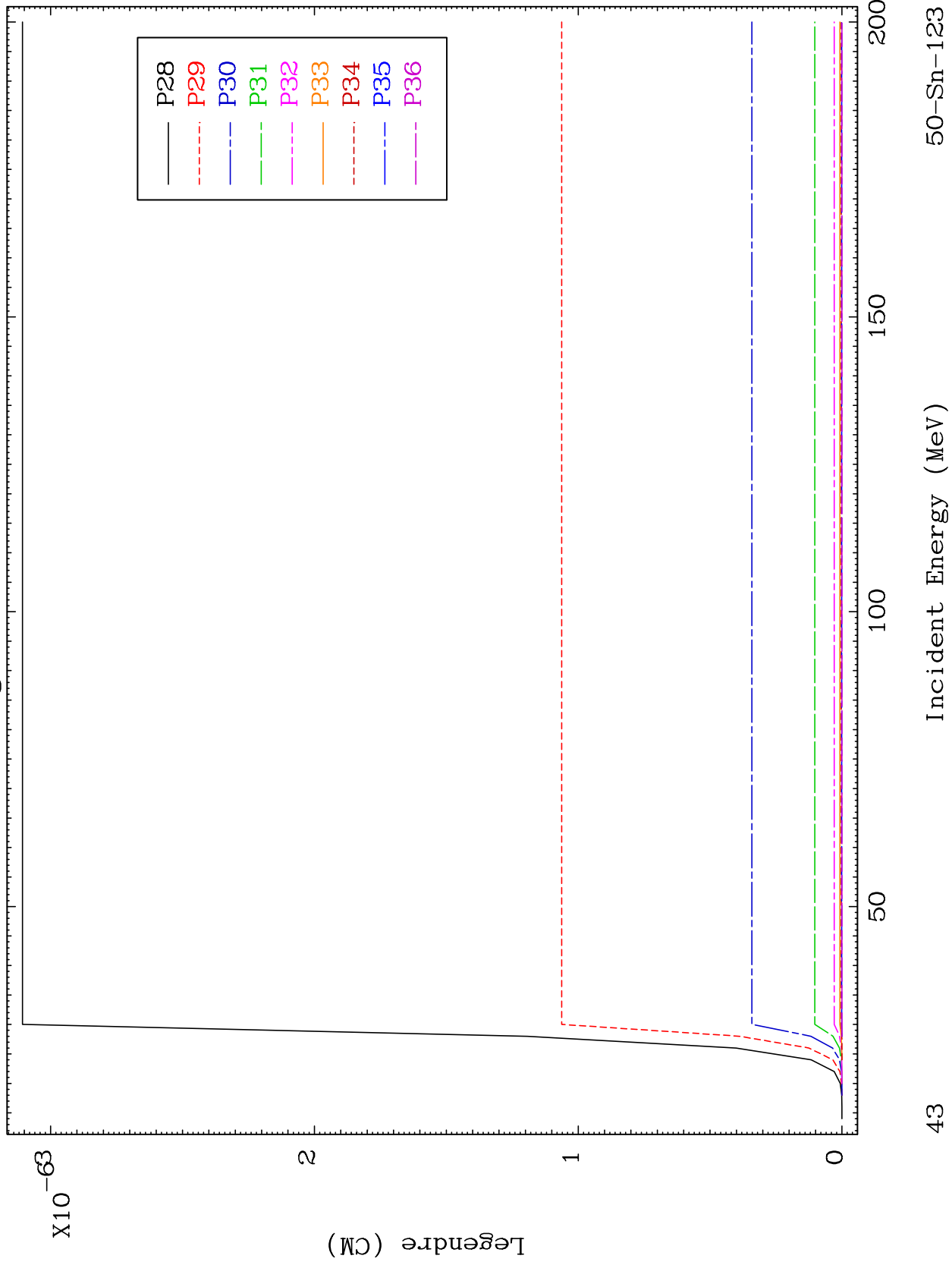
Incident Energy (MeV)

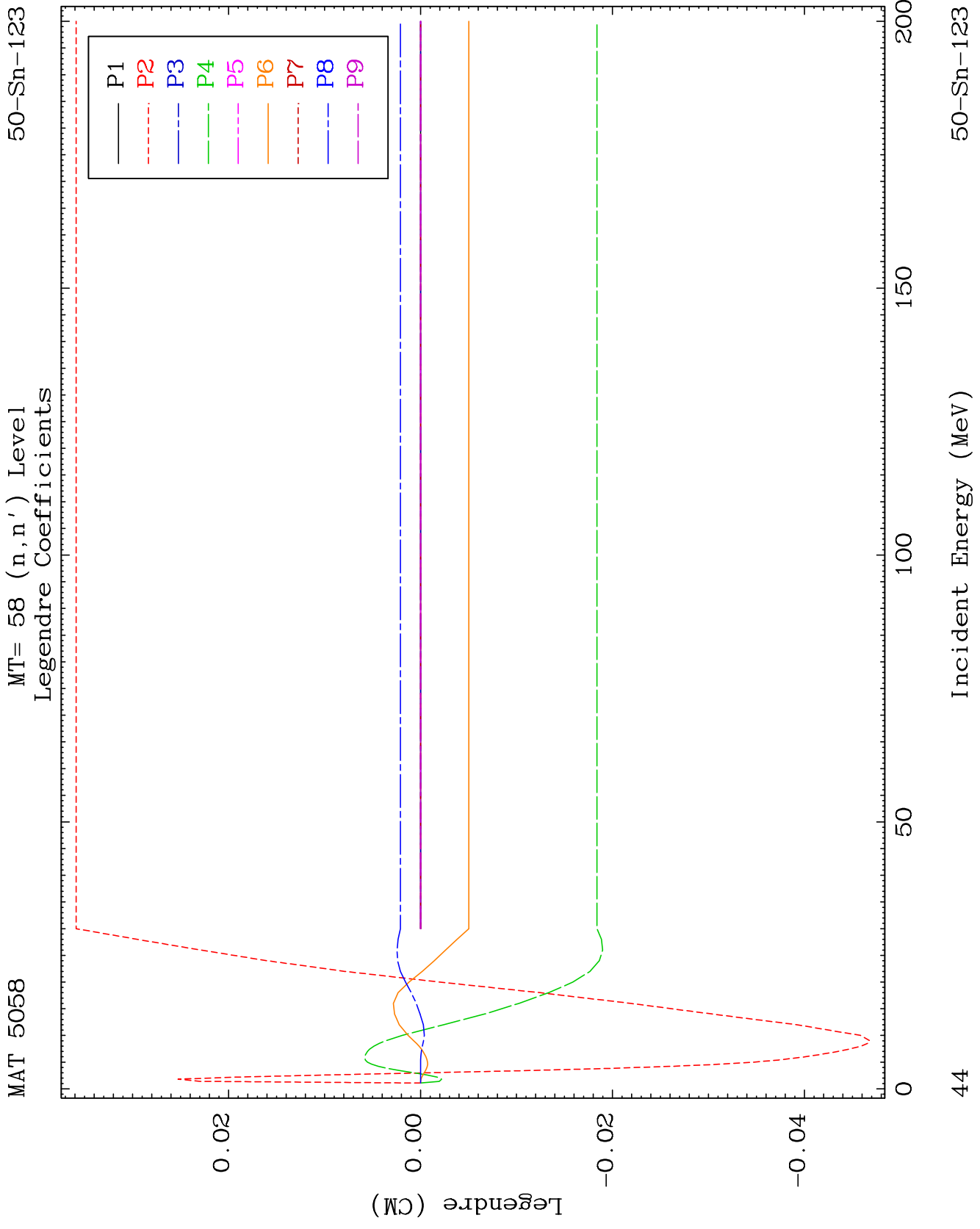
50-Sn-123

MAT 5058

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

50-Sn-123

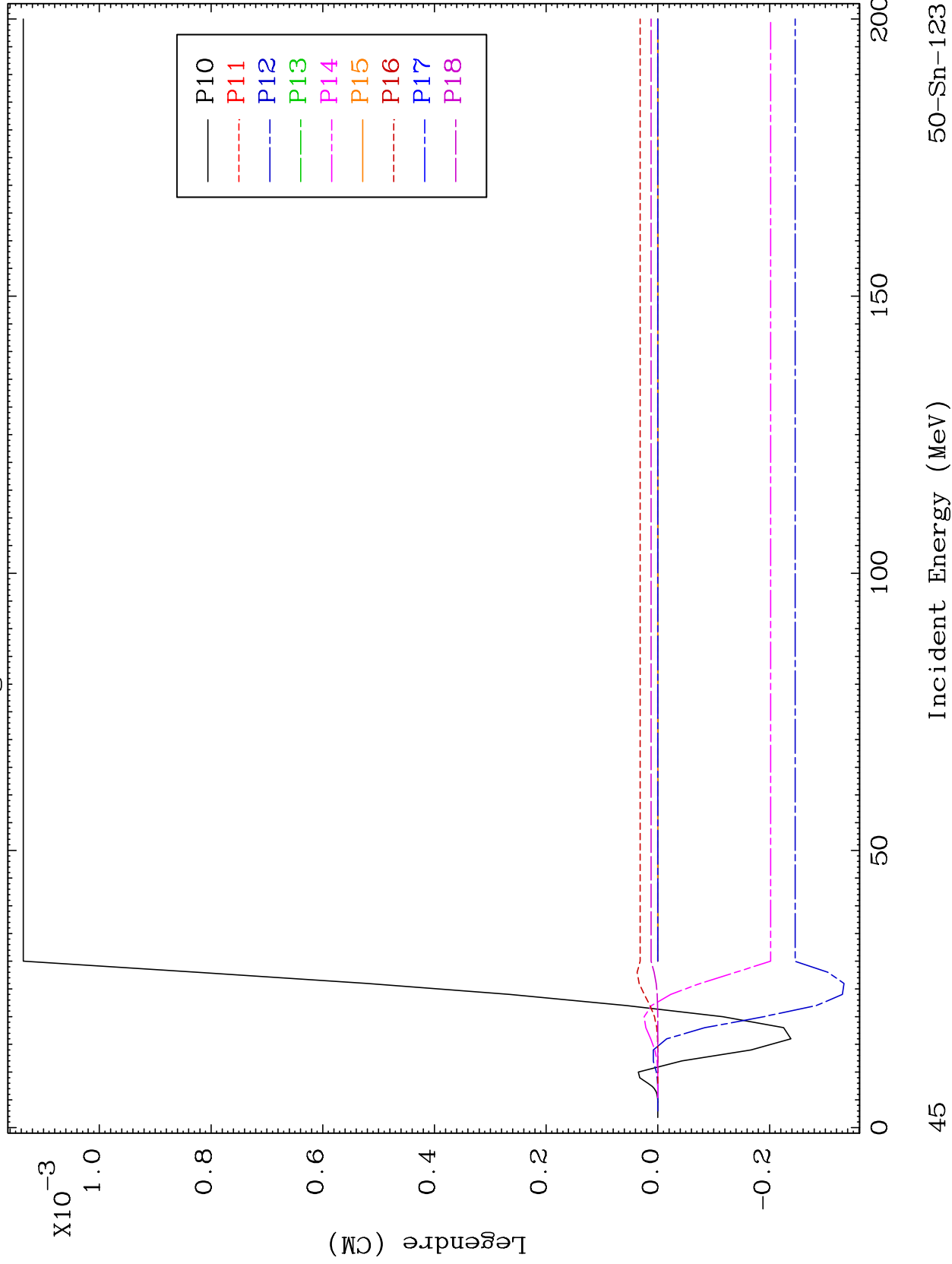


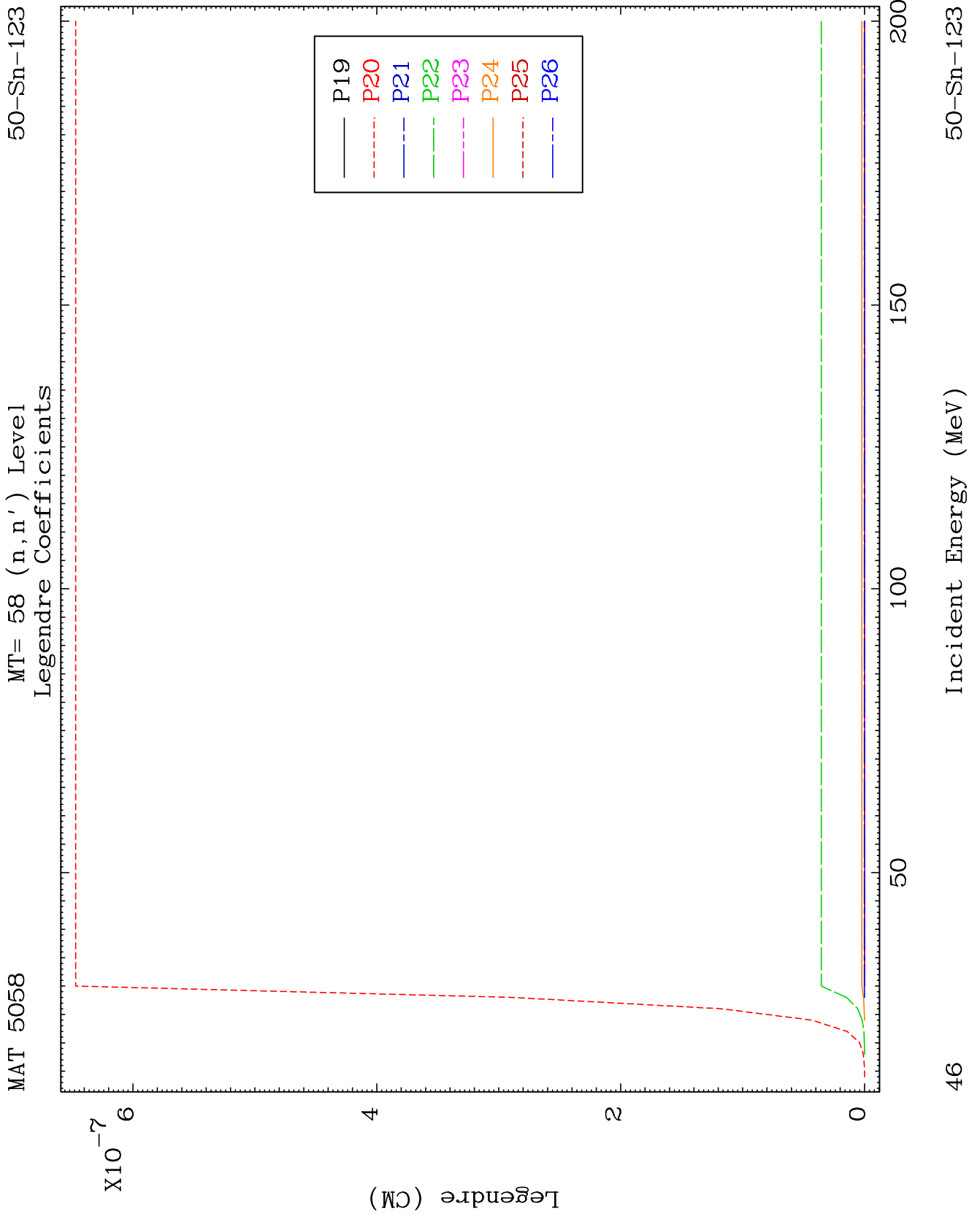


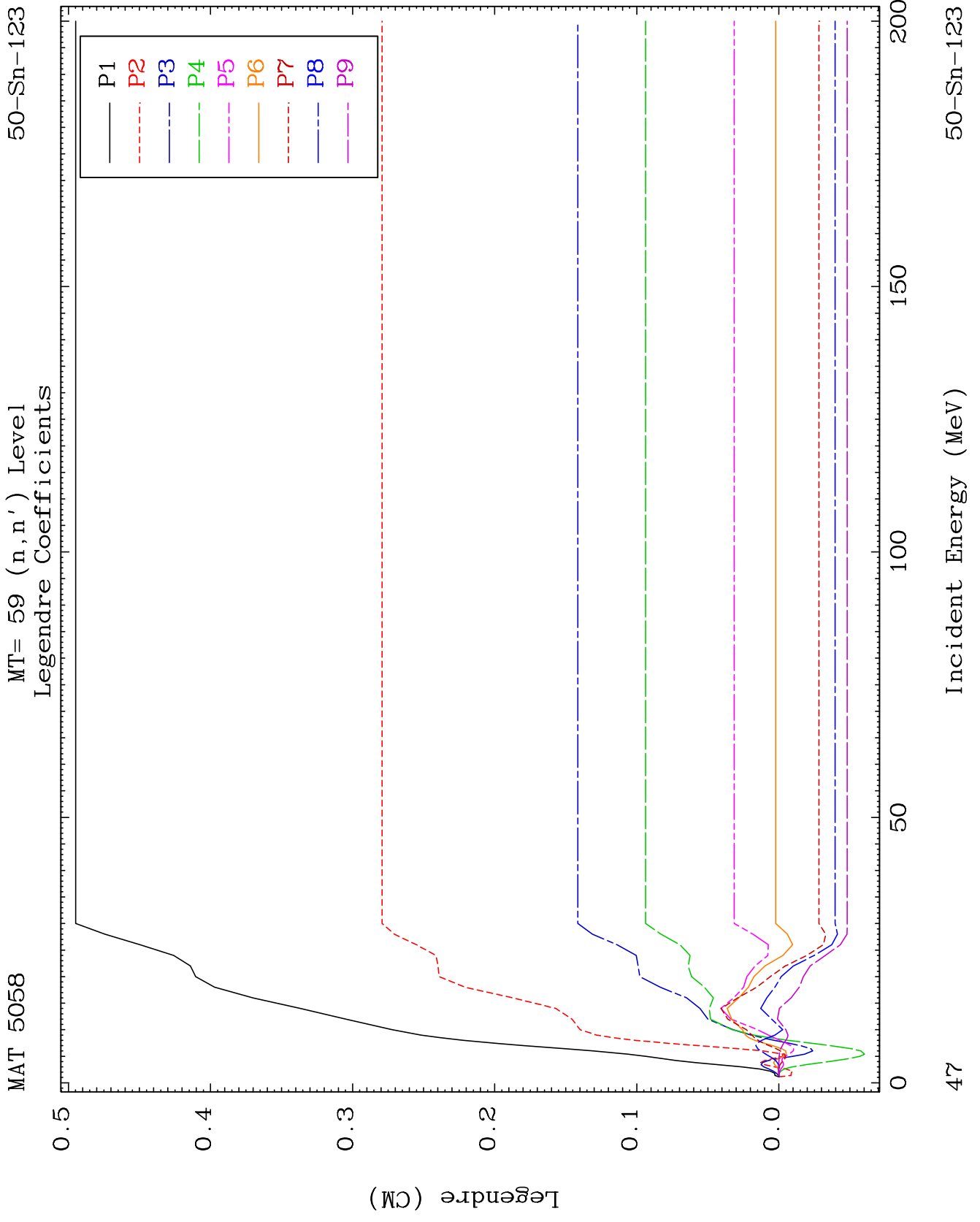
MAT 5058

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

50-Sn-123



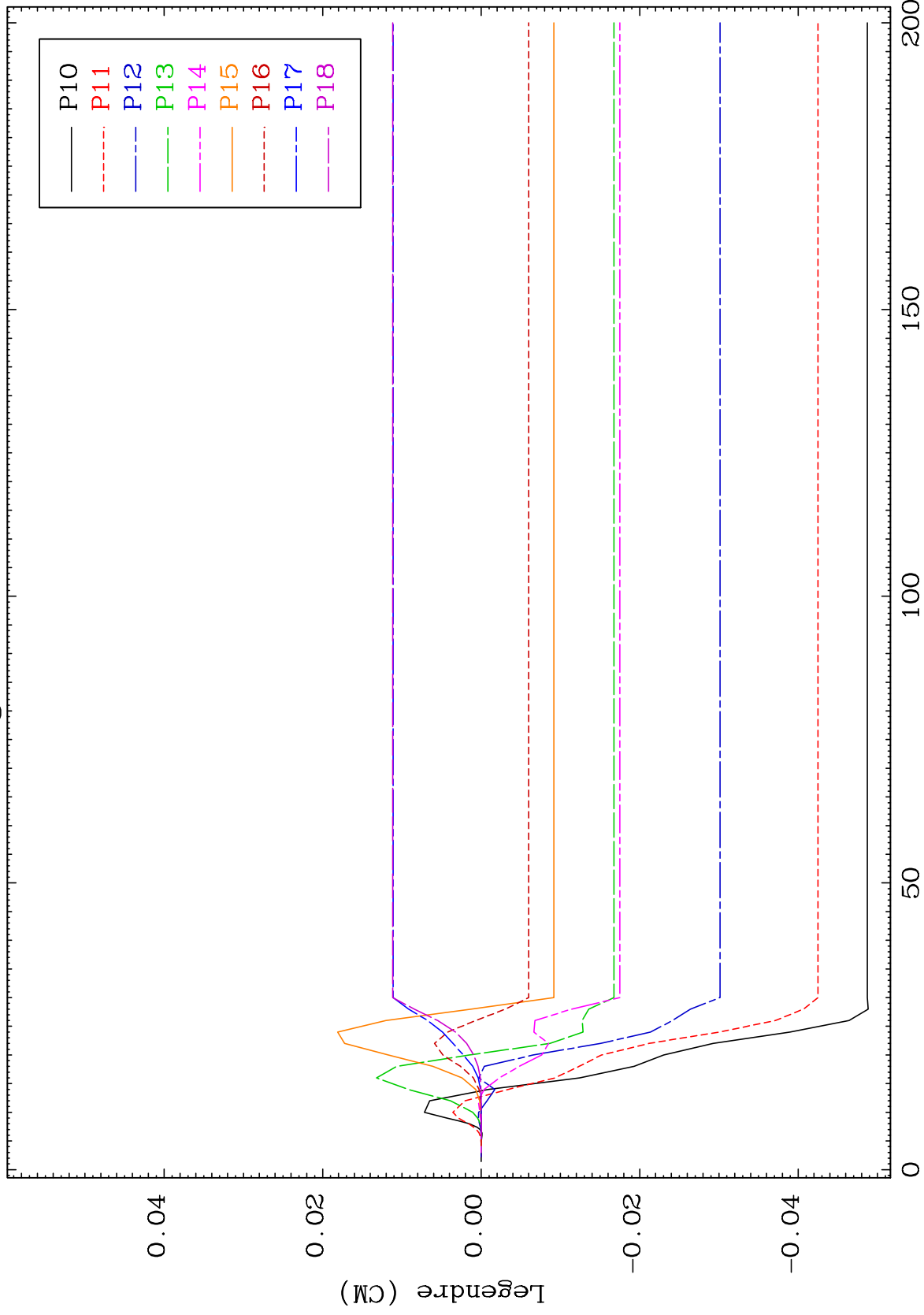




MAT 5058

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

50-Sn-123



48

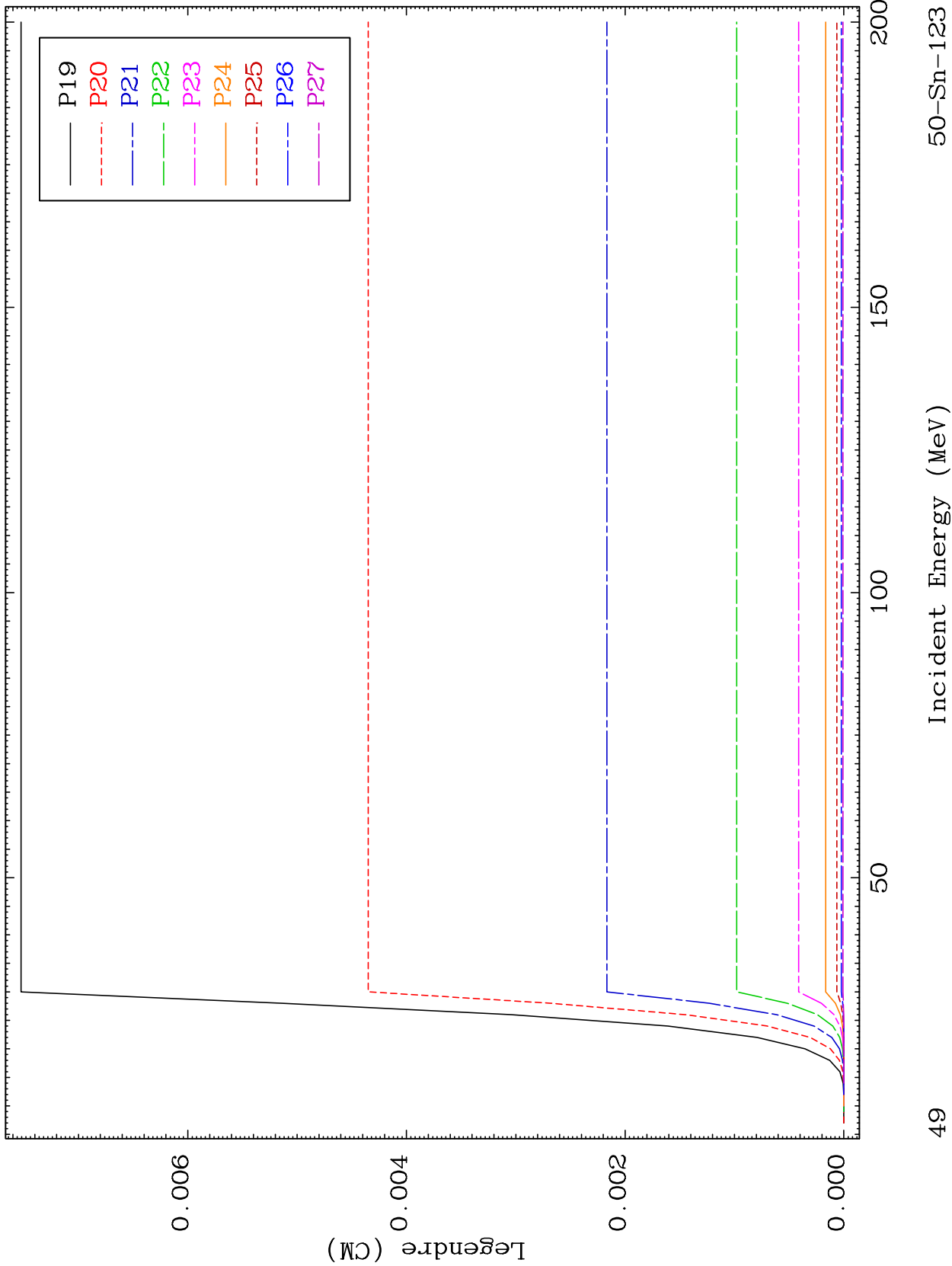
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



49

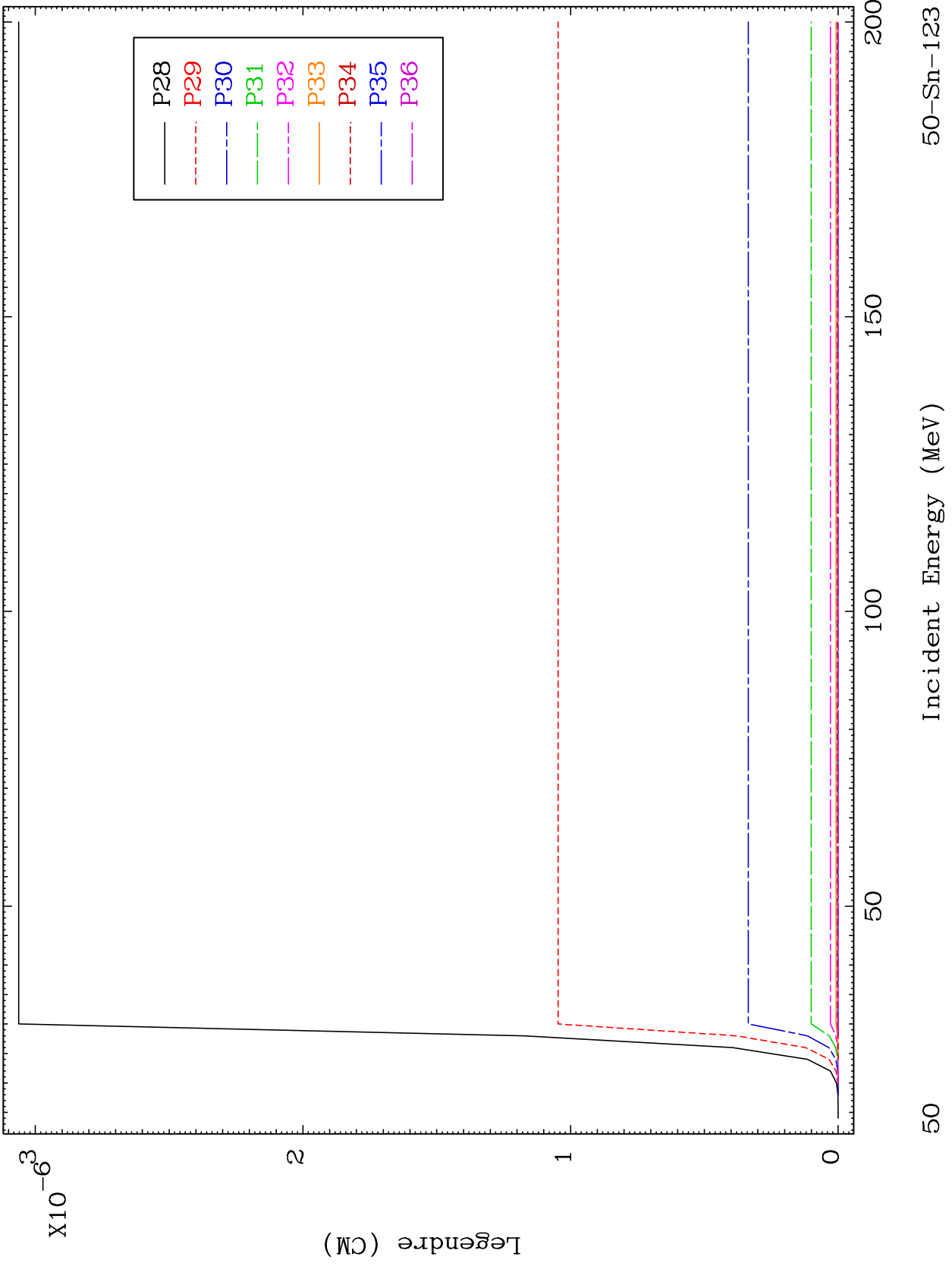
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

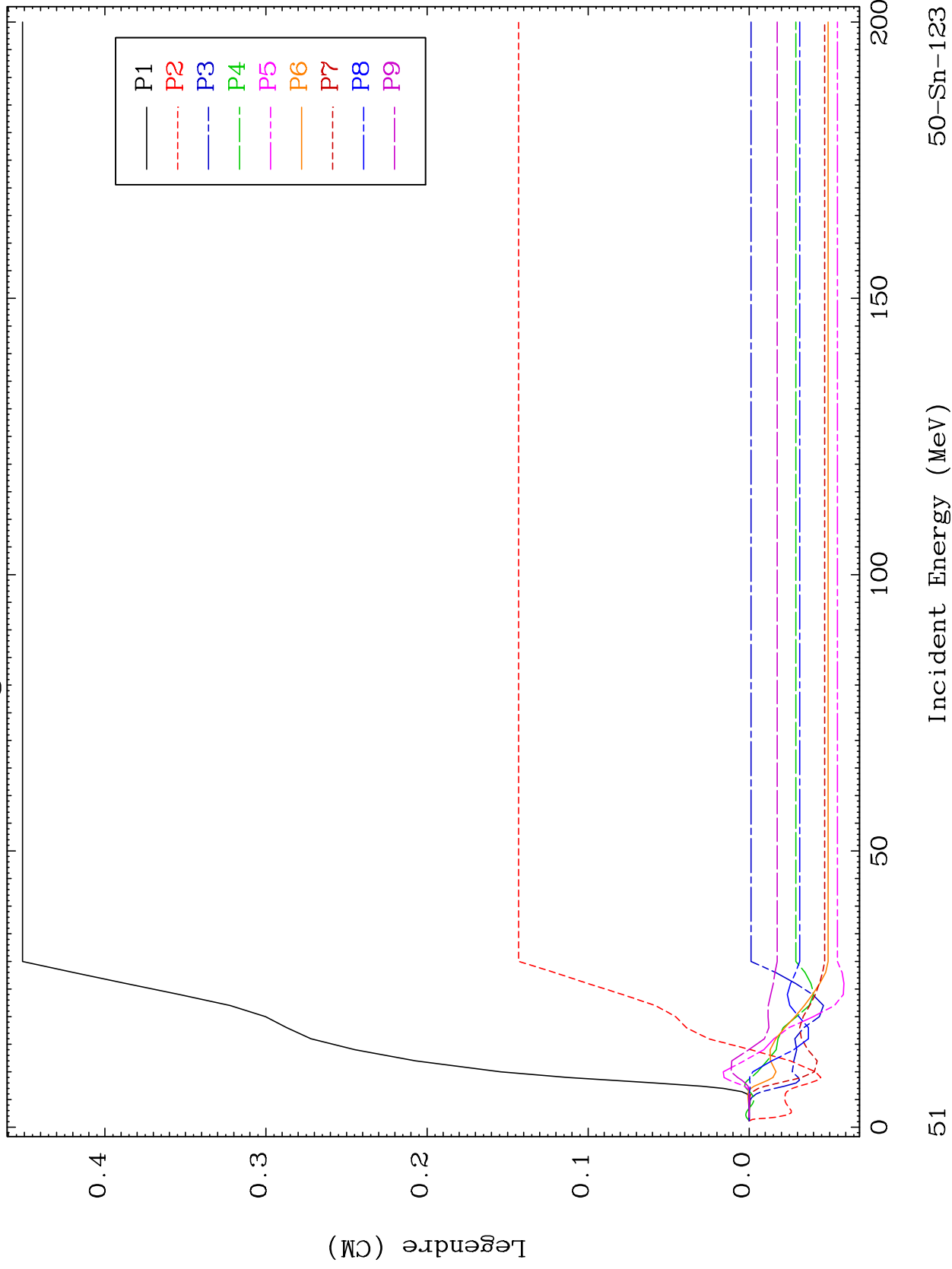
50-Sn-123



MAT 5058

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

50-Sn-123



51

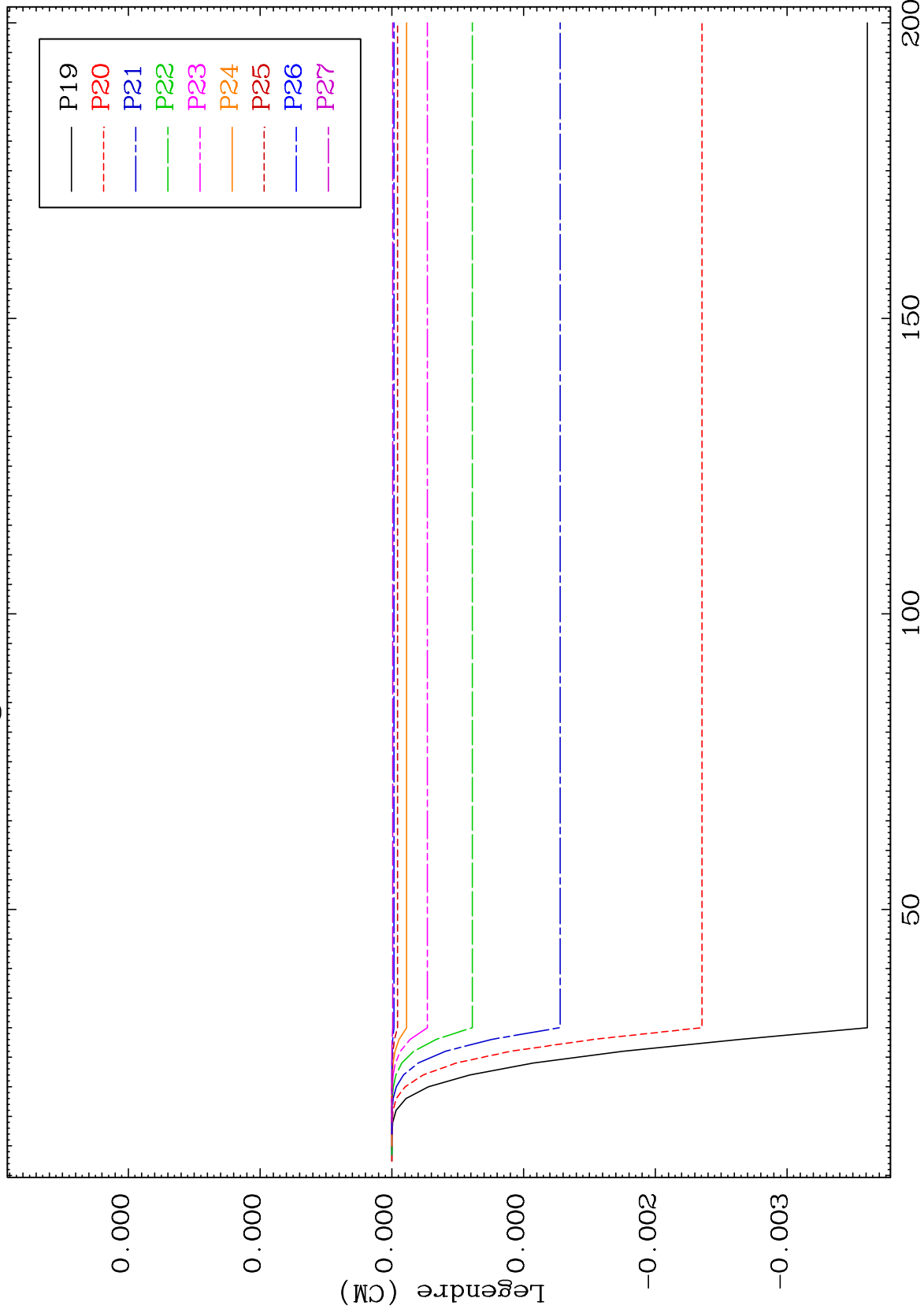
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



53

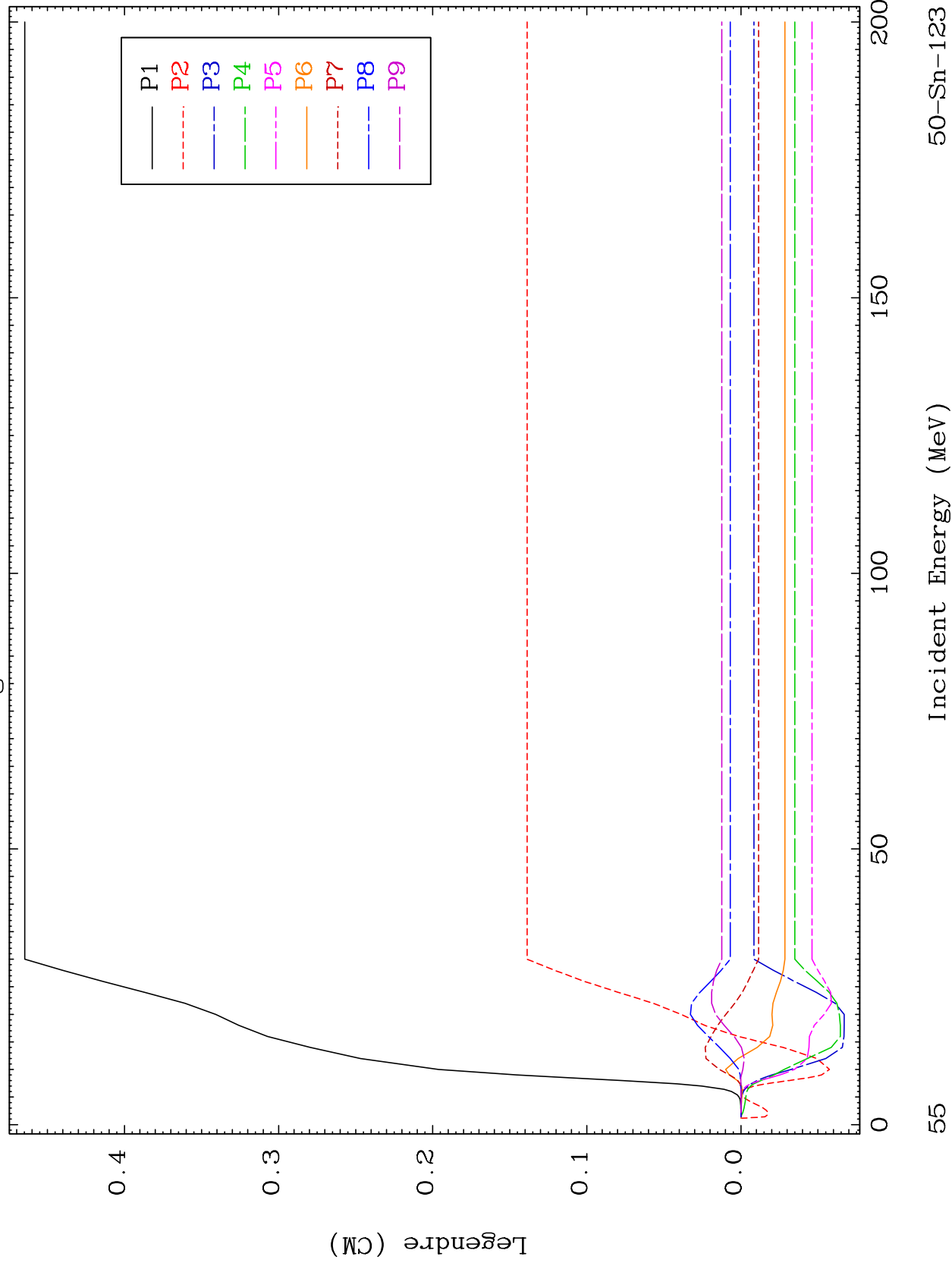
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



50-Sn-123

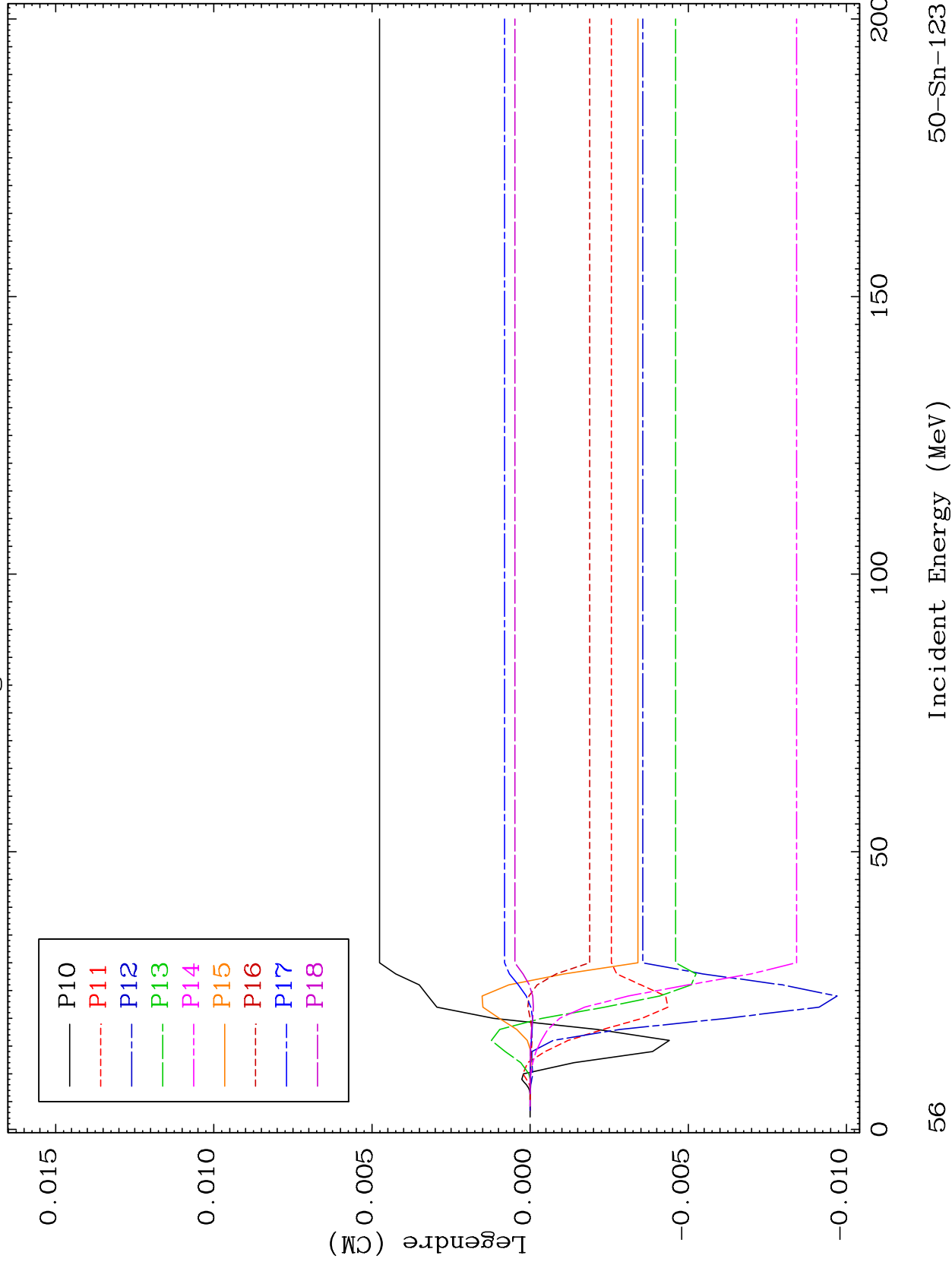
Incident Energy (MeV)

55

MAT 5058

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

50-Sn-123



56

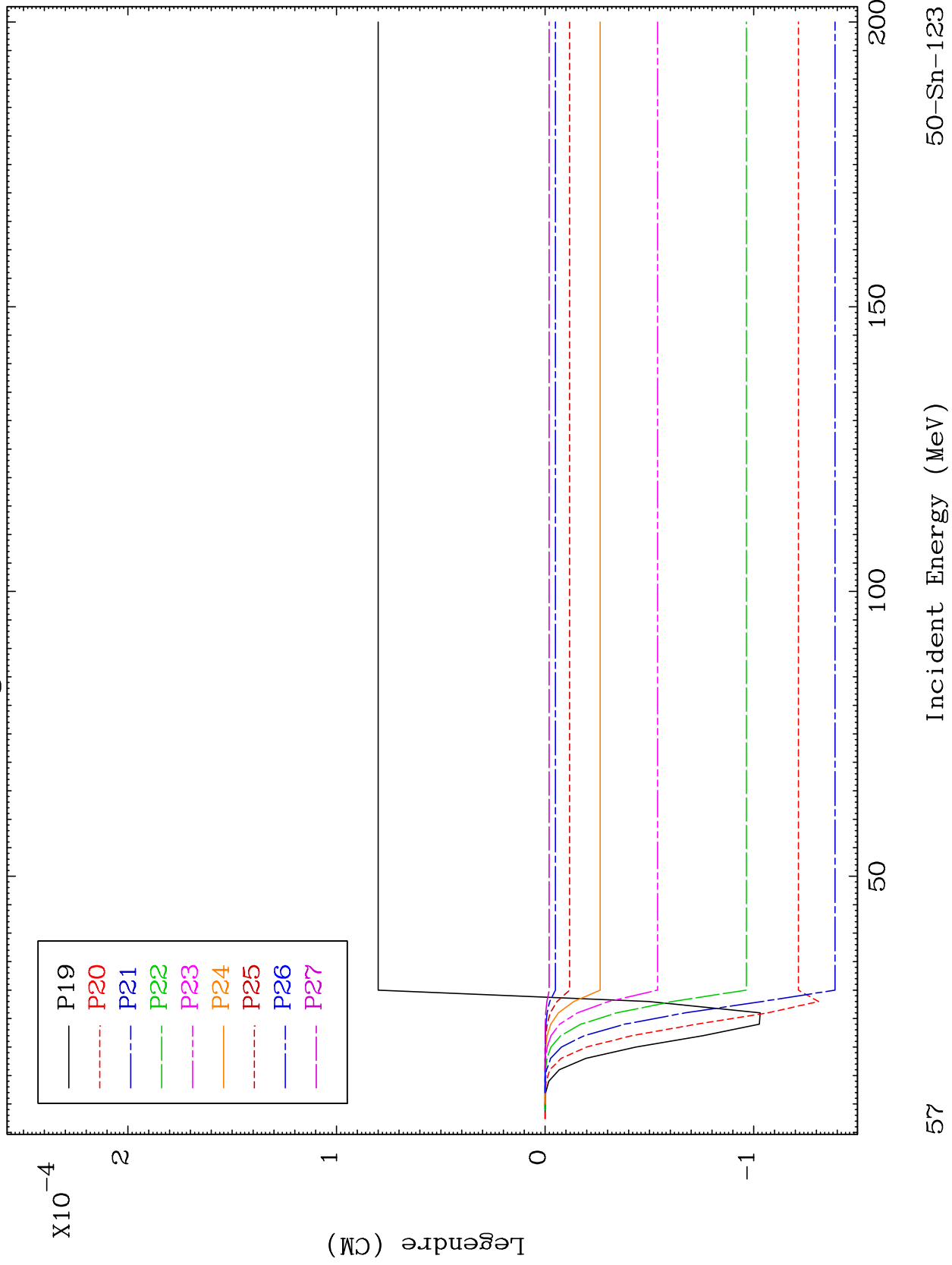
Incident Energy (MeV)

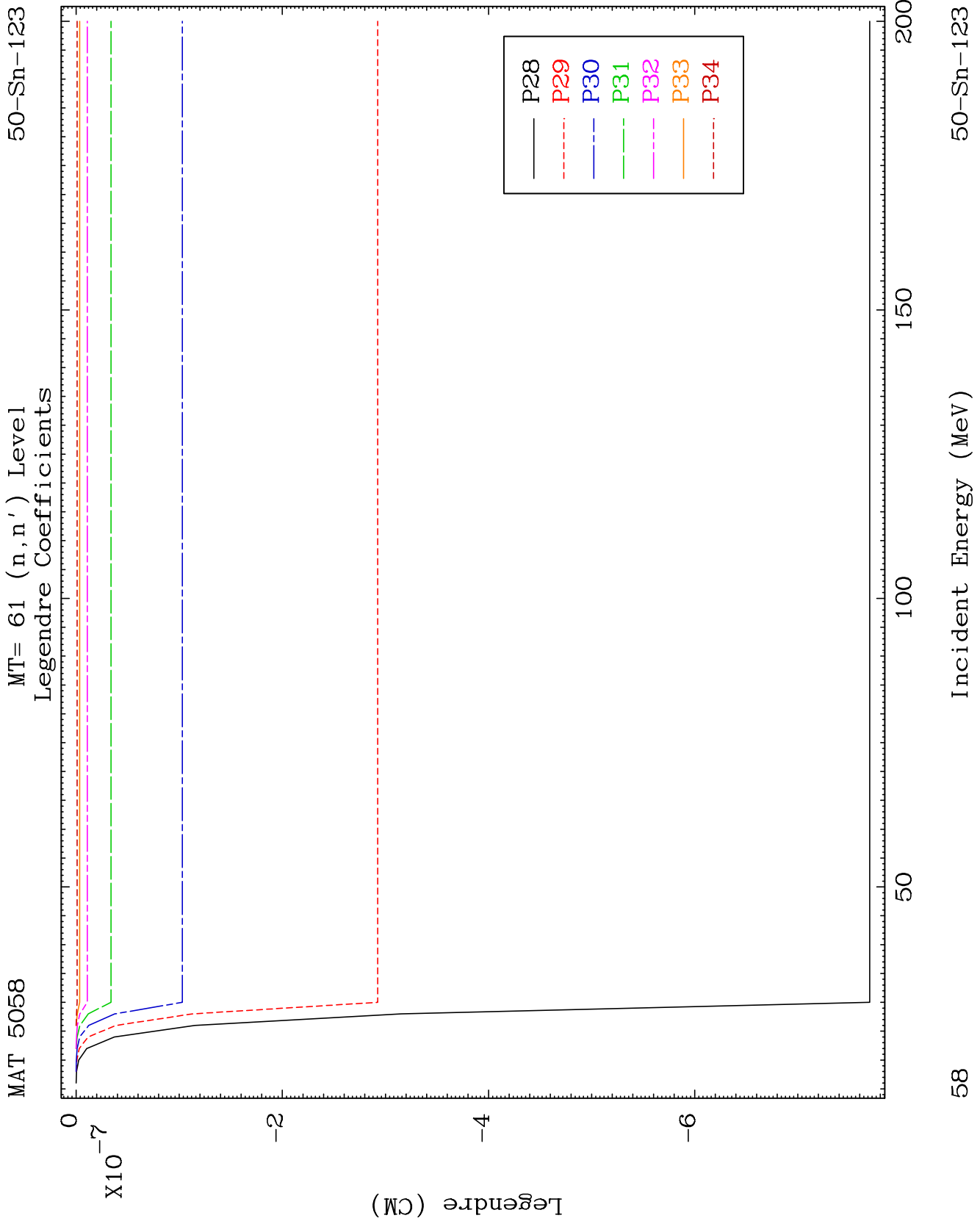
50-Sn-123

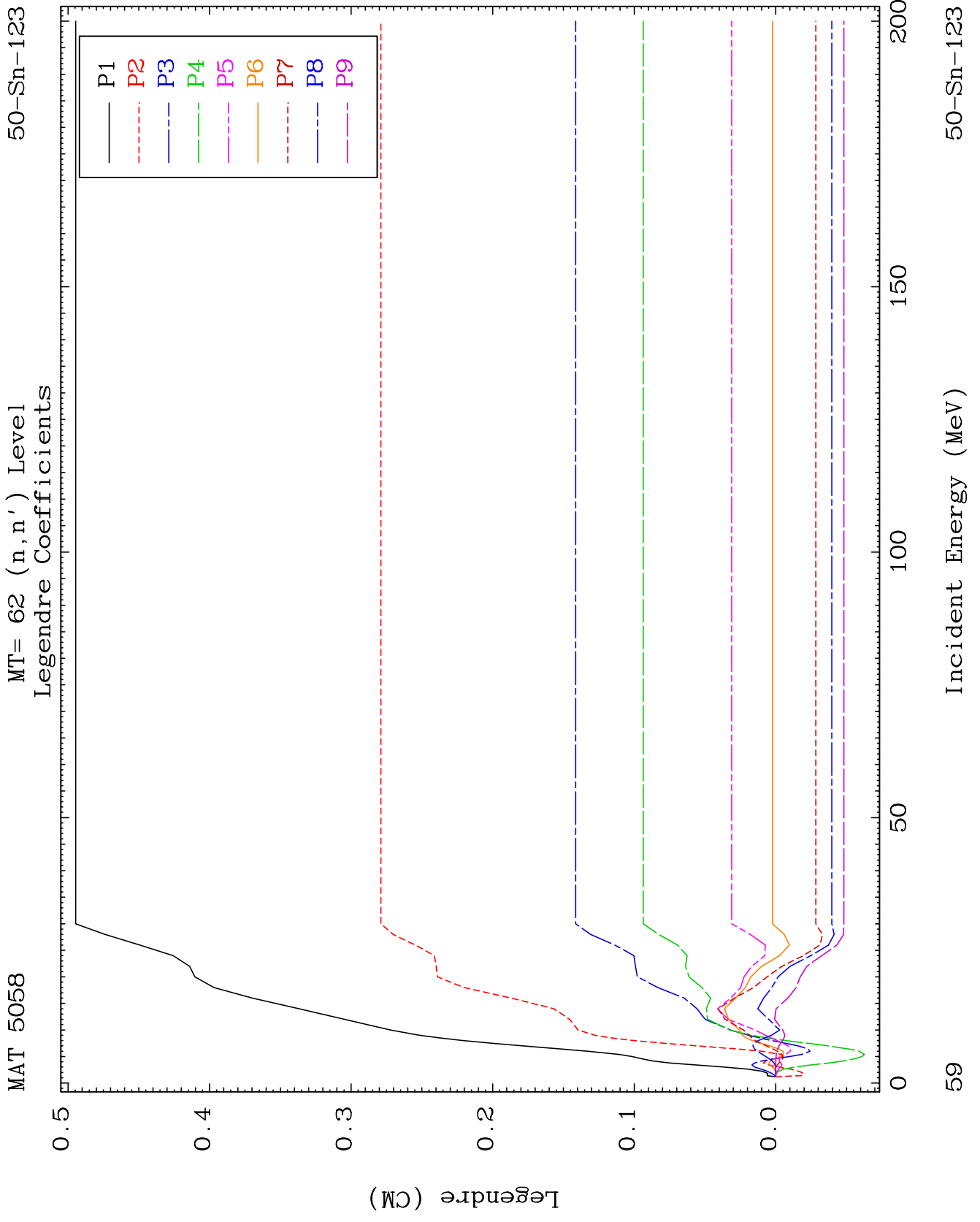
MAT 5058

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

50-Sn-123



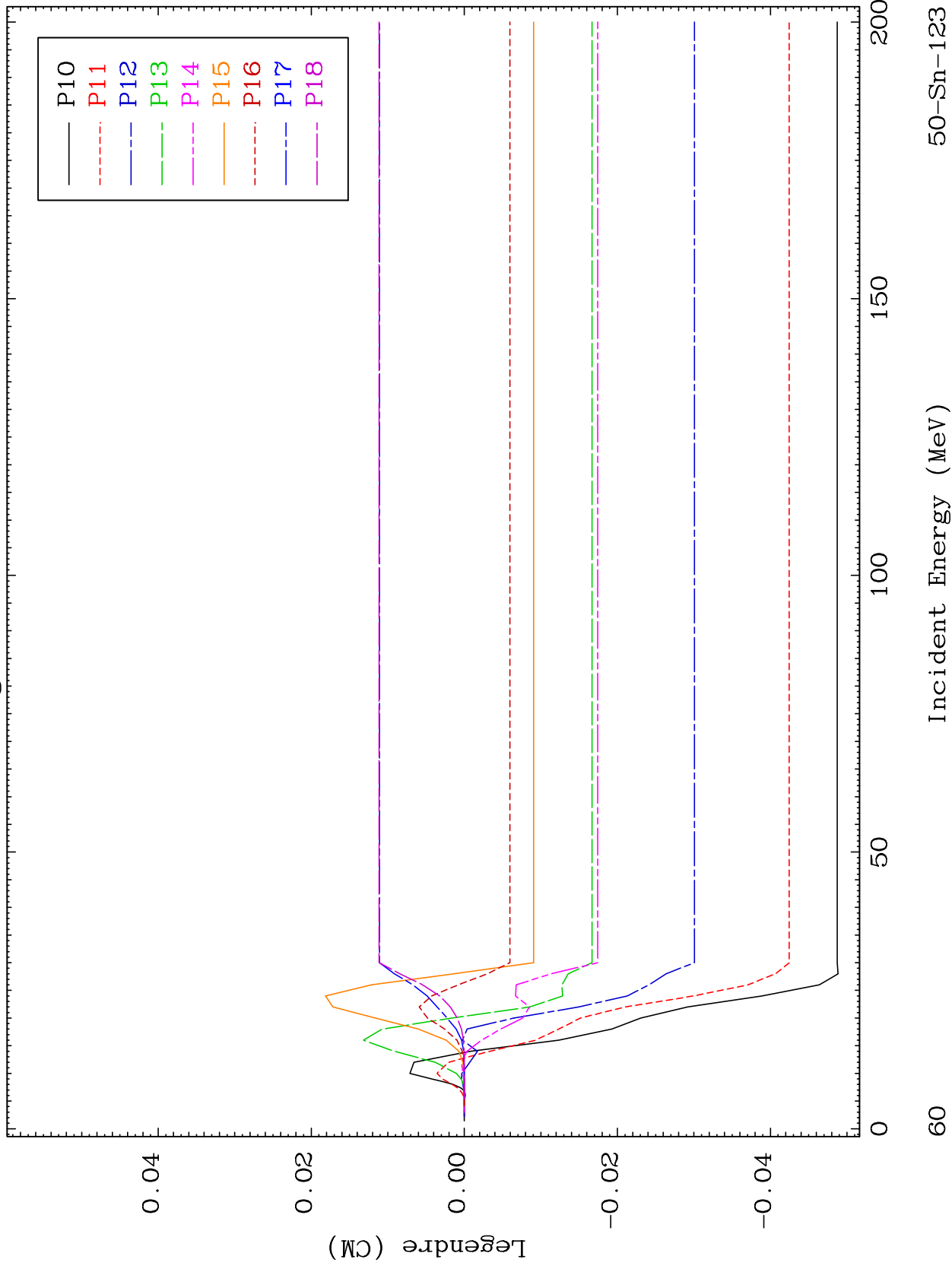




MAT 5058

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

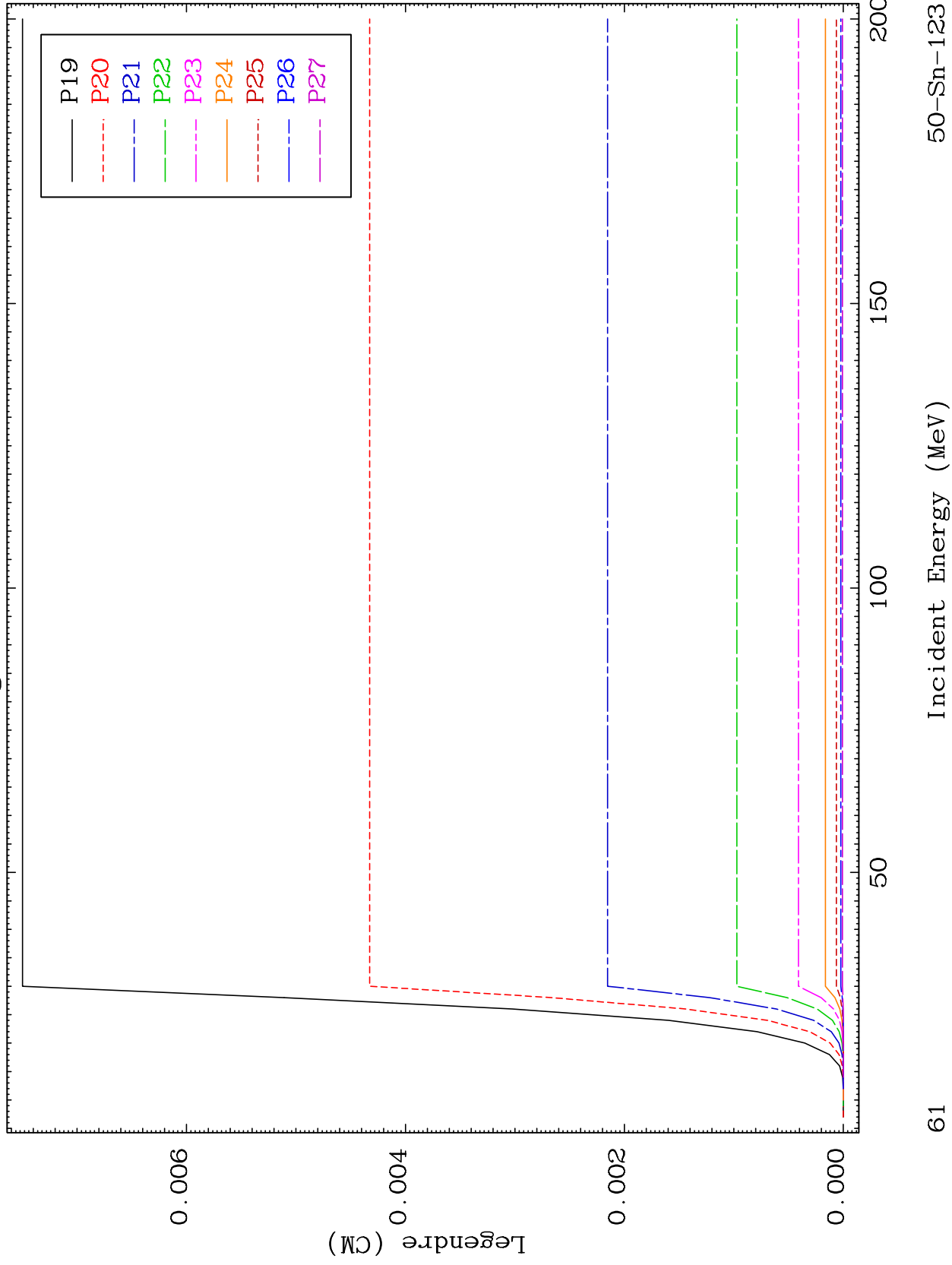
50-Sn-123



MAT 5058

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

50-Sn-123



61

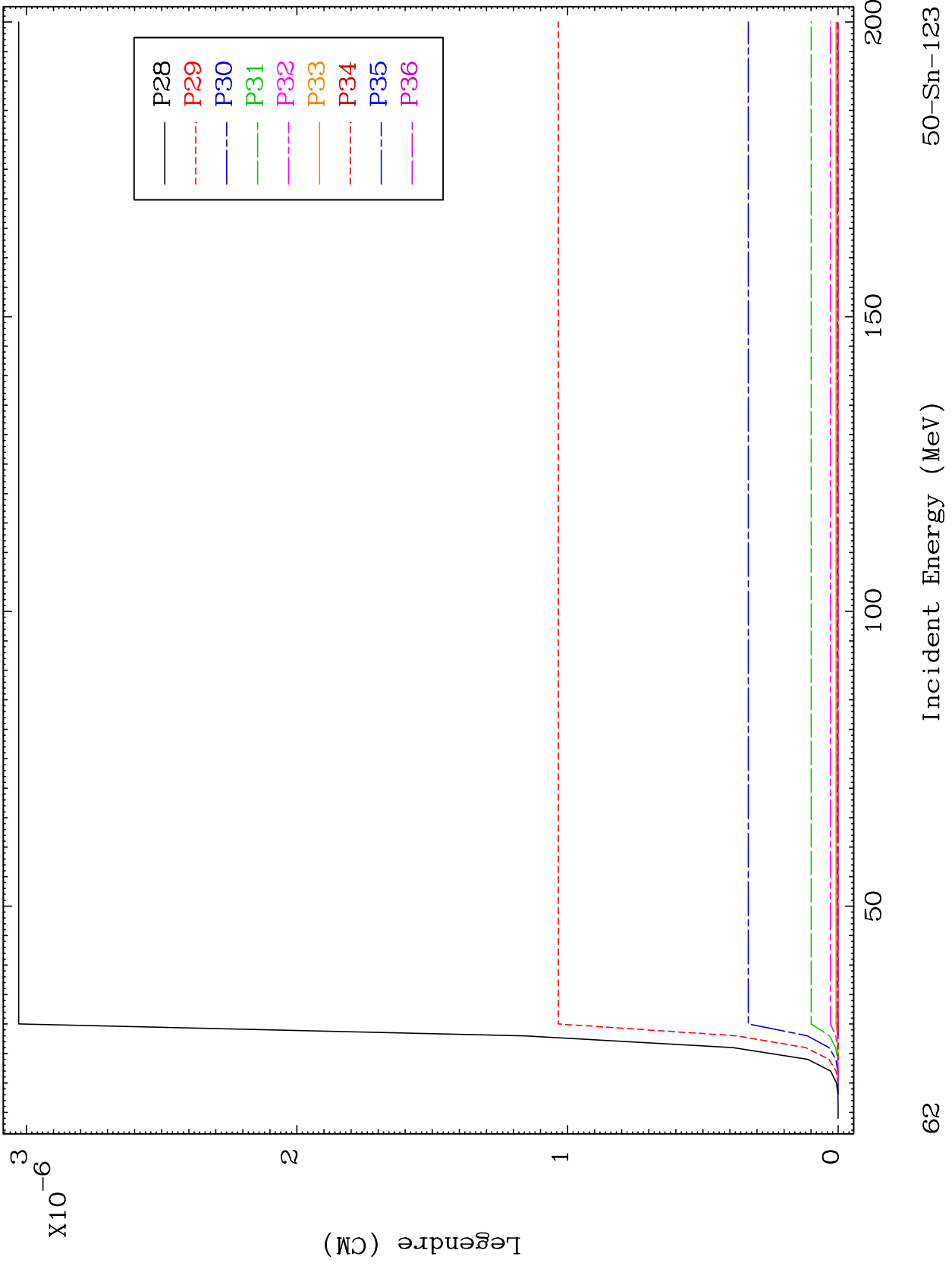
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123

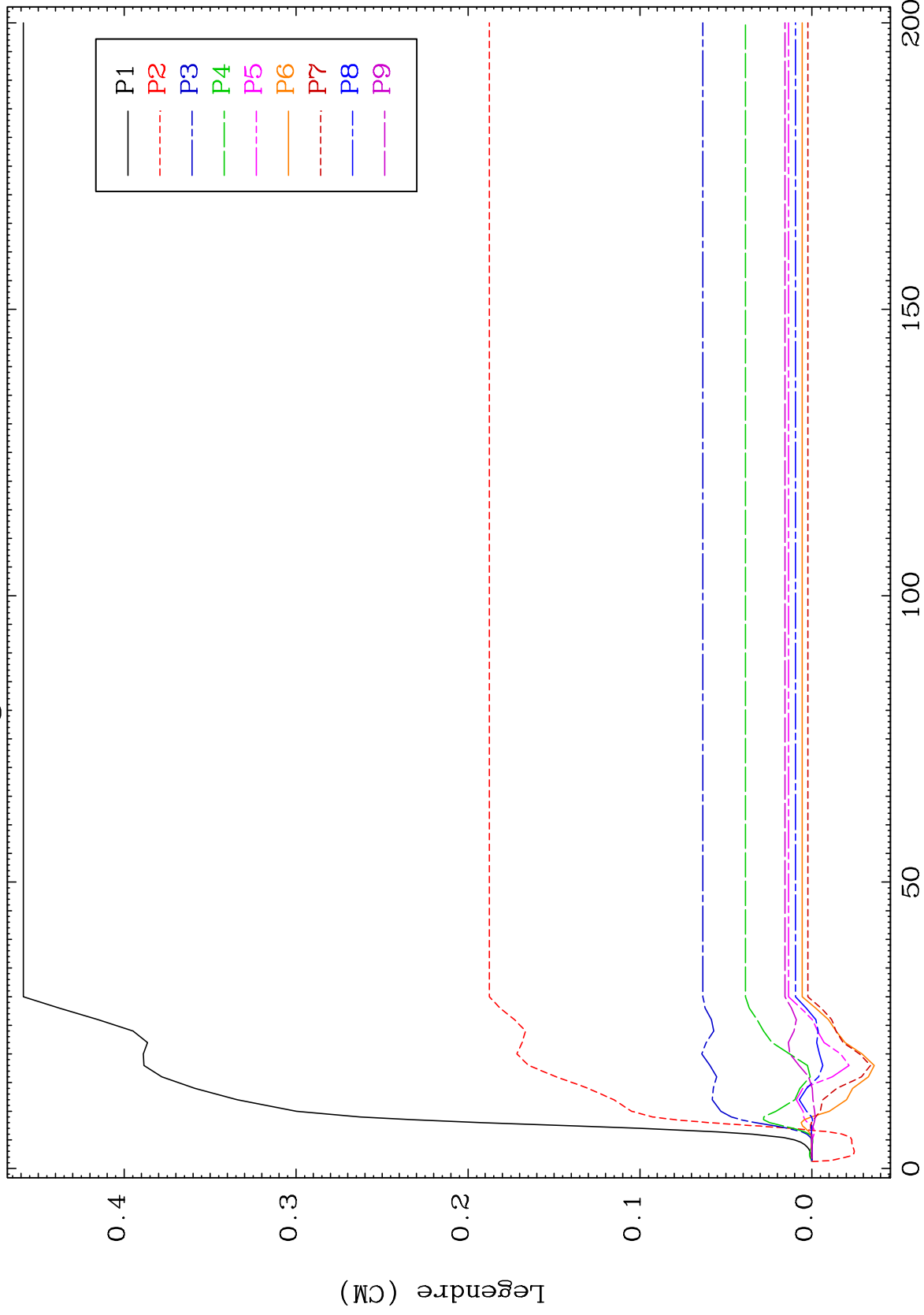


62

MAT 5058

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

50-Sn-123



50-Sn-123

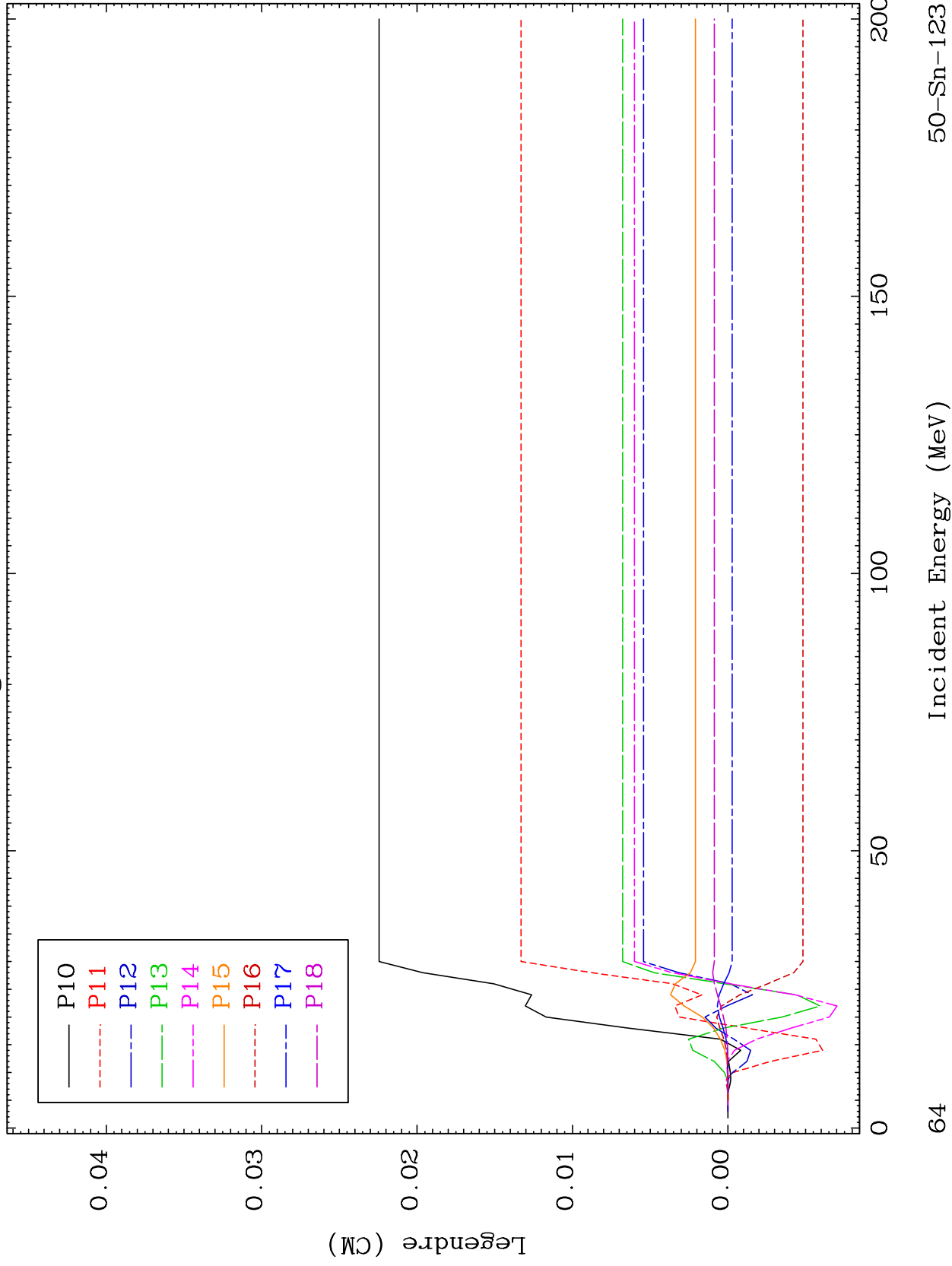
Incident Energy (MeV)

63

MAT 5058

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

50-Sn-123



50-Sn-123

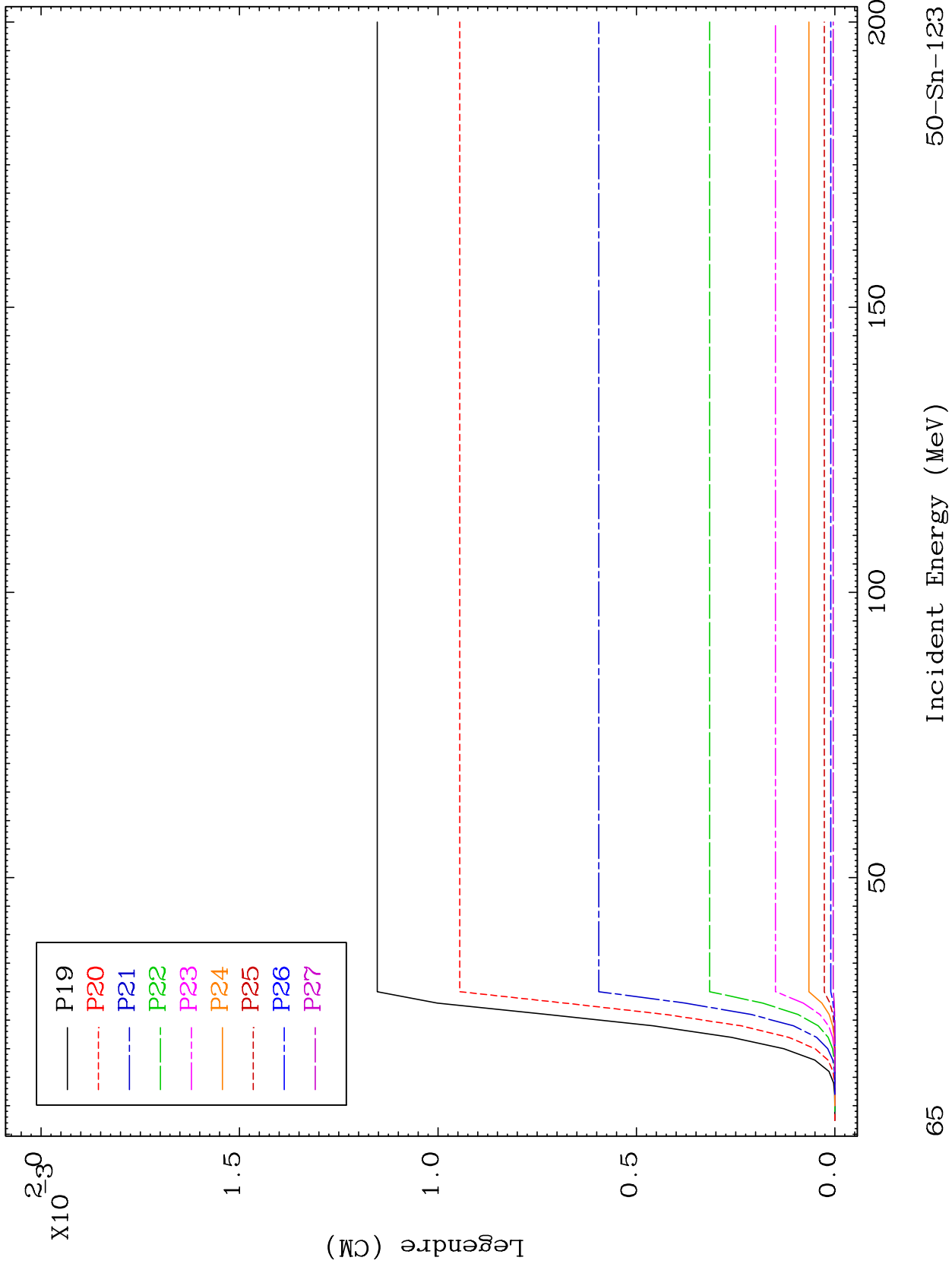
Incident Energy (MeV)

64

MAT 5058

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

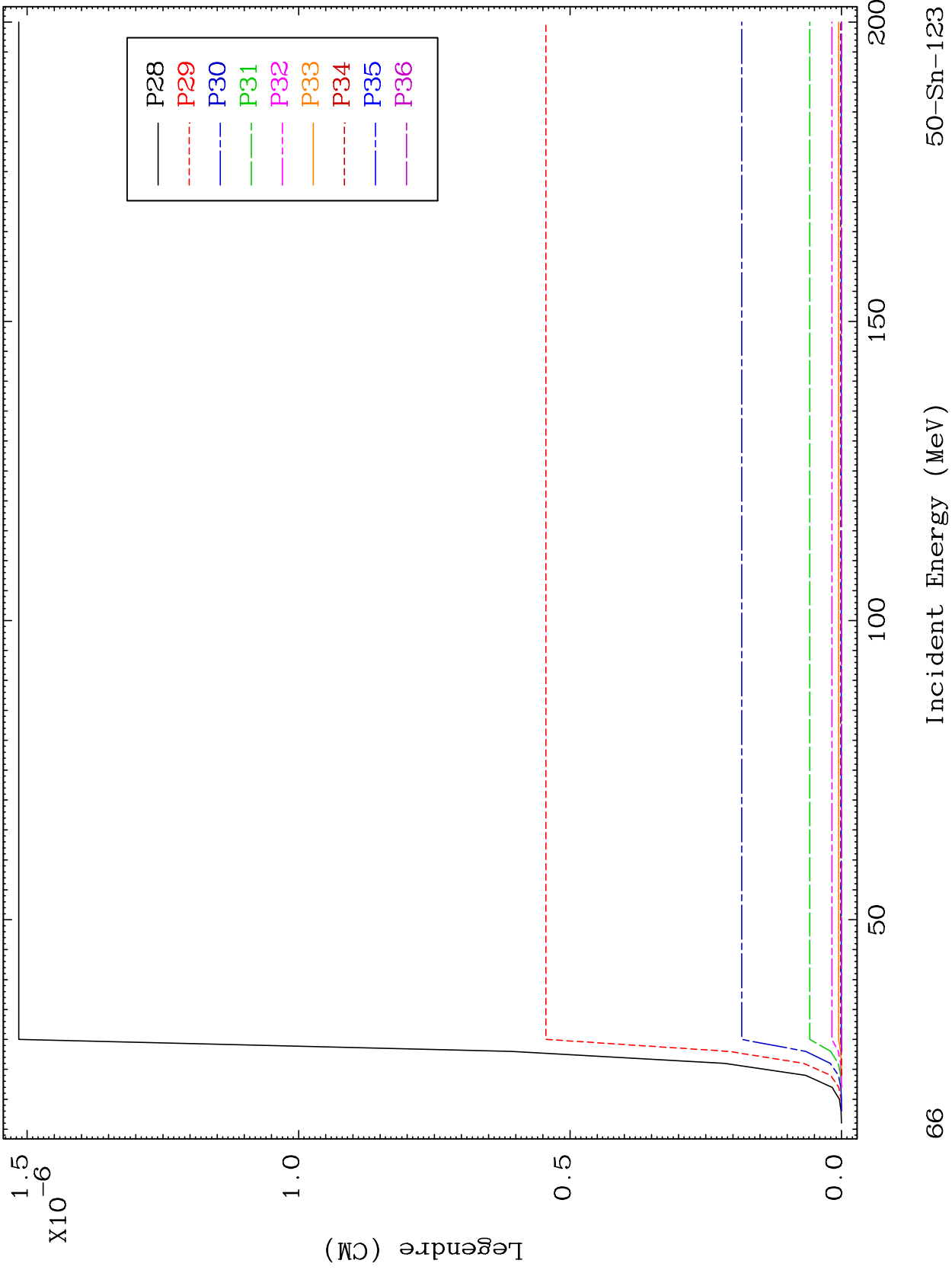
50-Sn-123

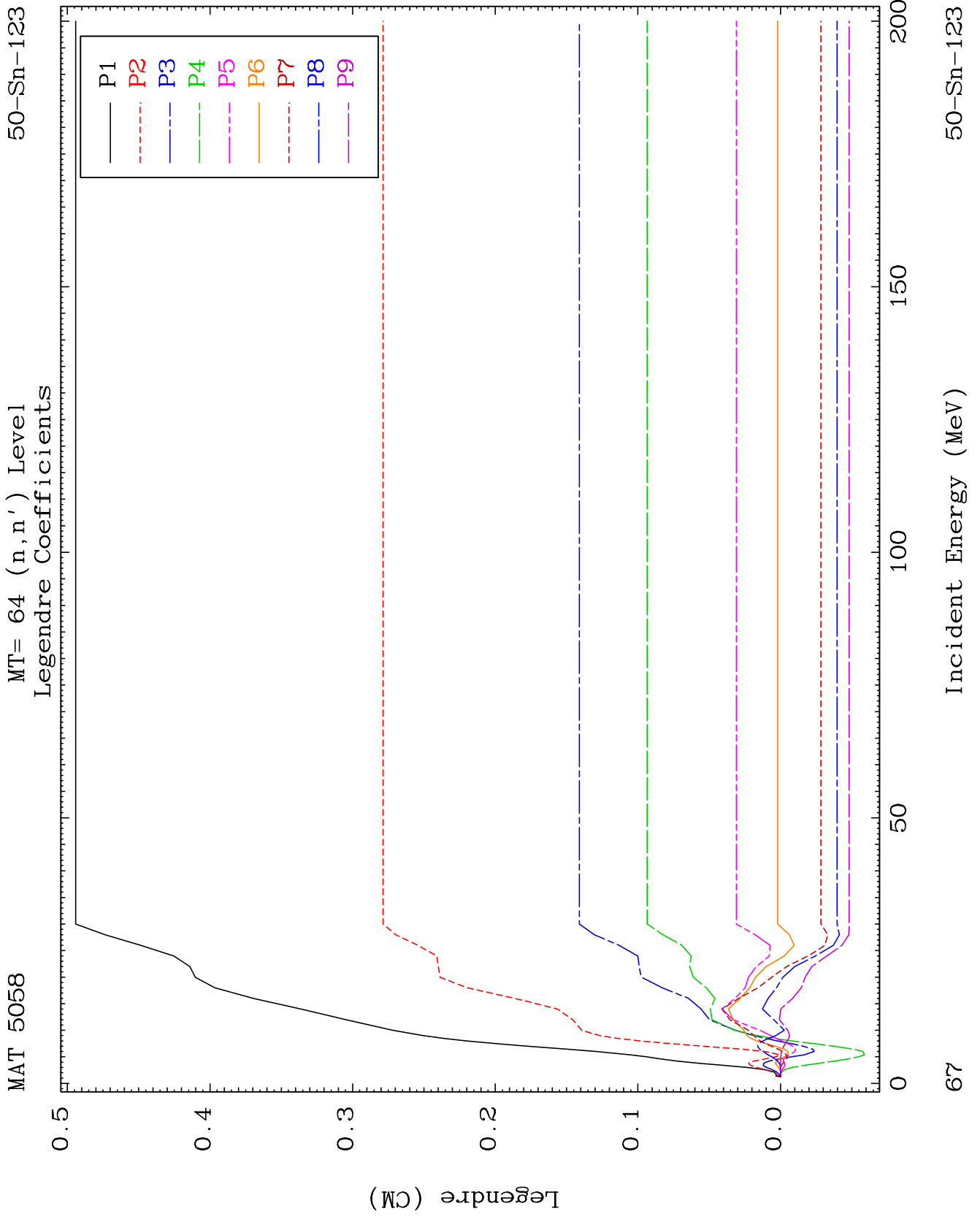


MAT 5058

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

50-Sn-123

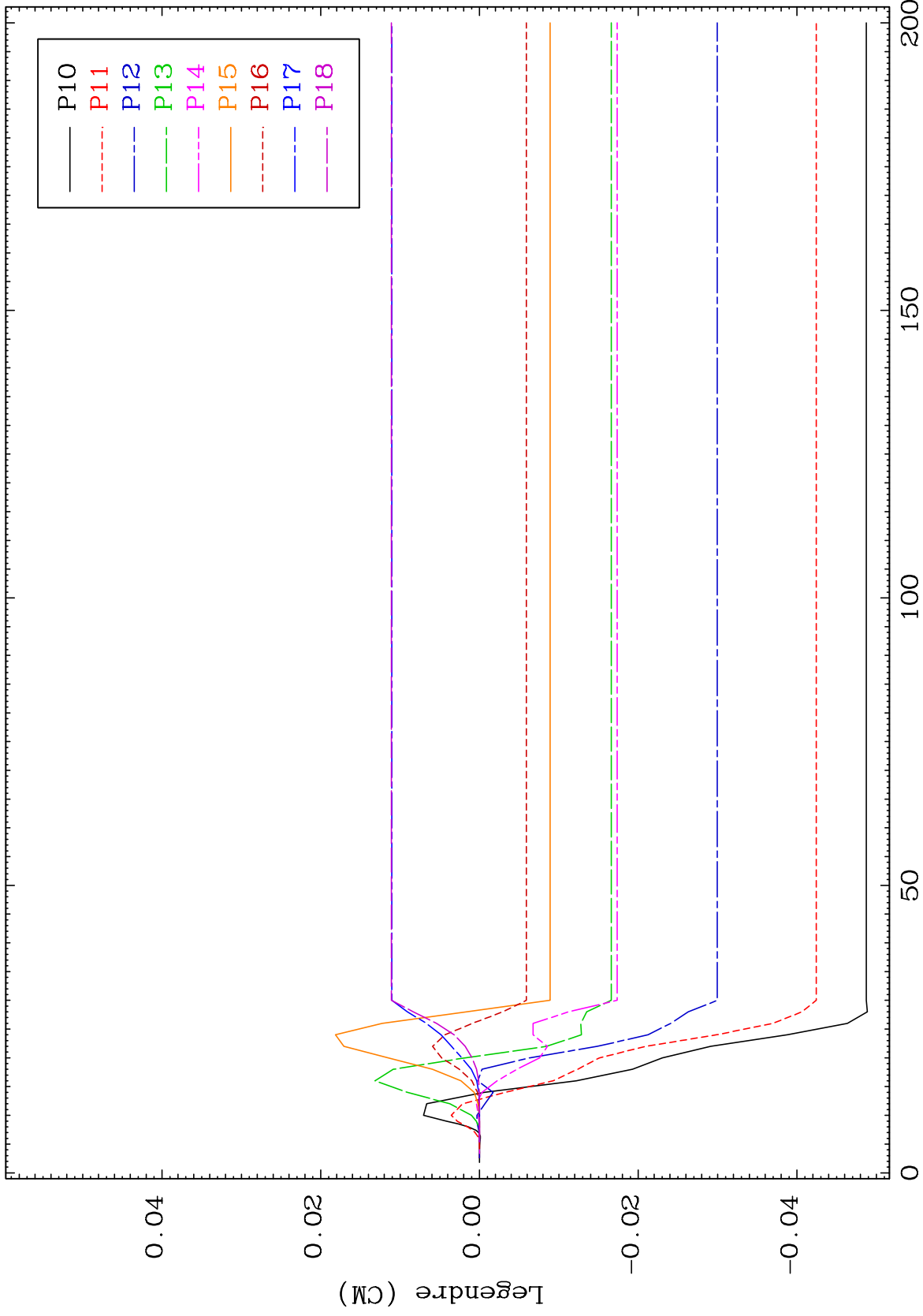




MAT 5058

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

50-Sn-123



68

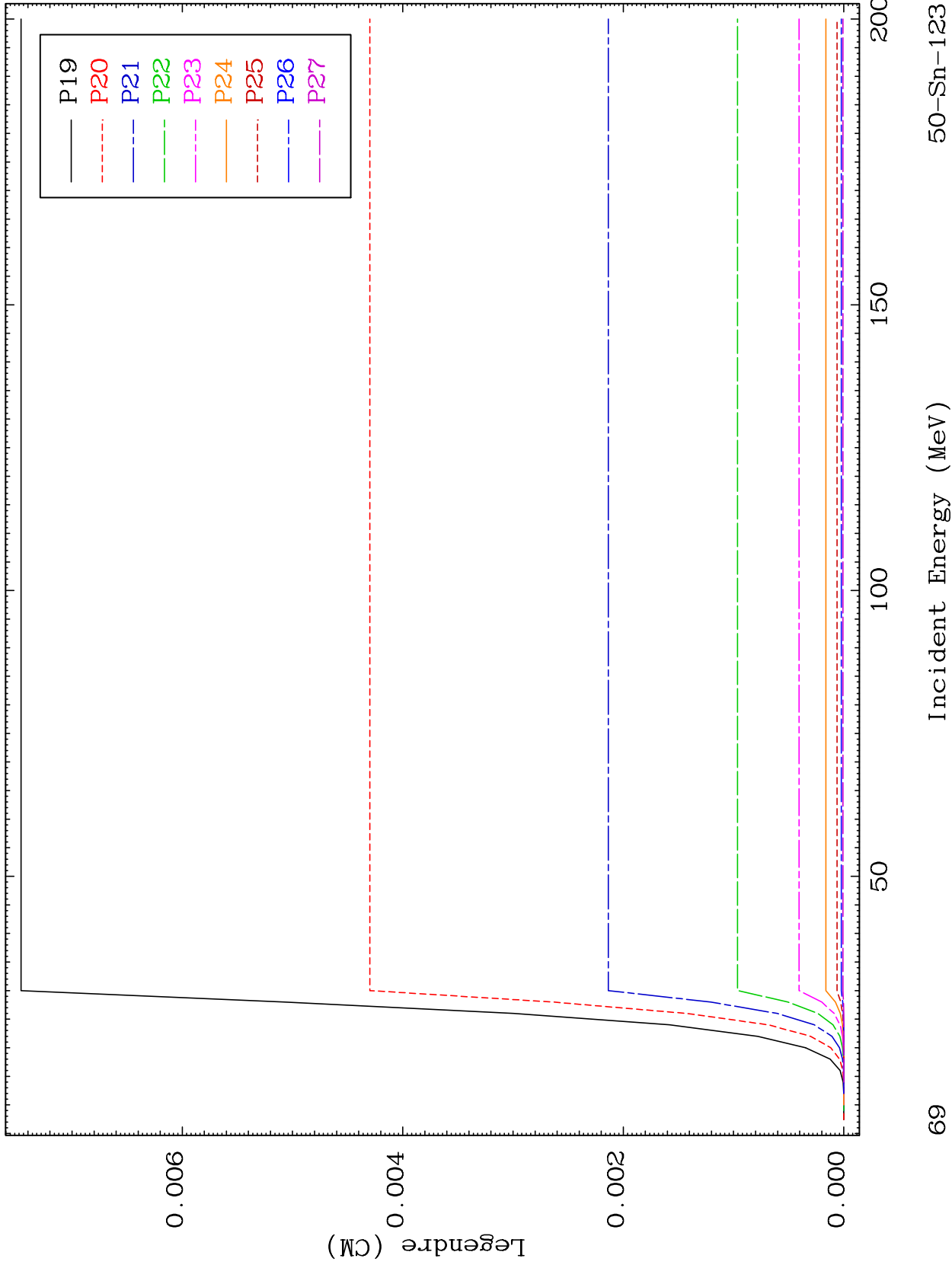
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



69

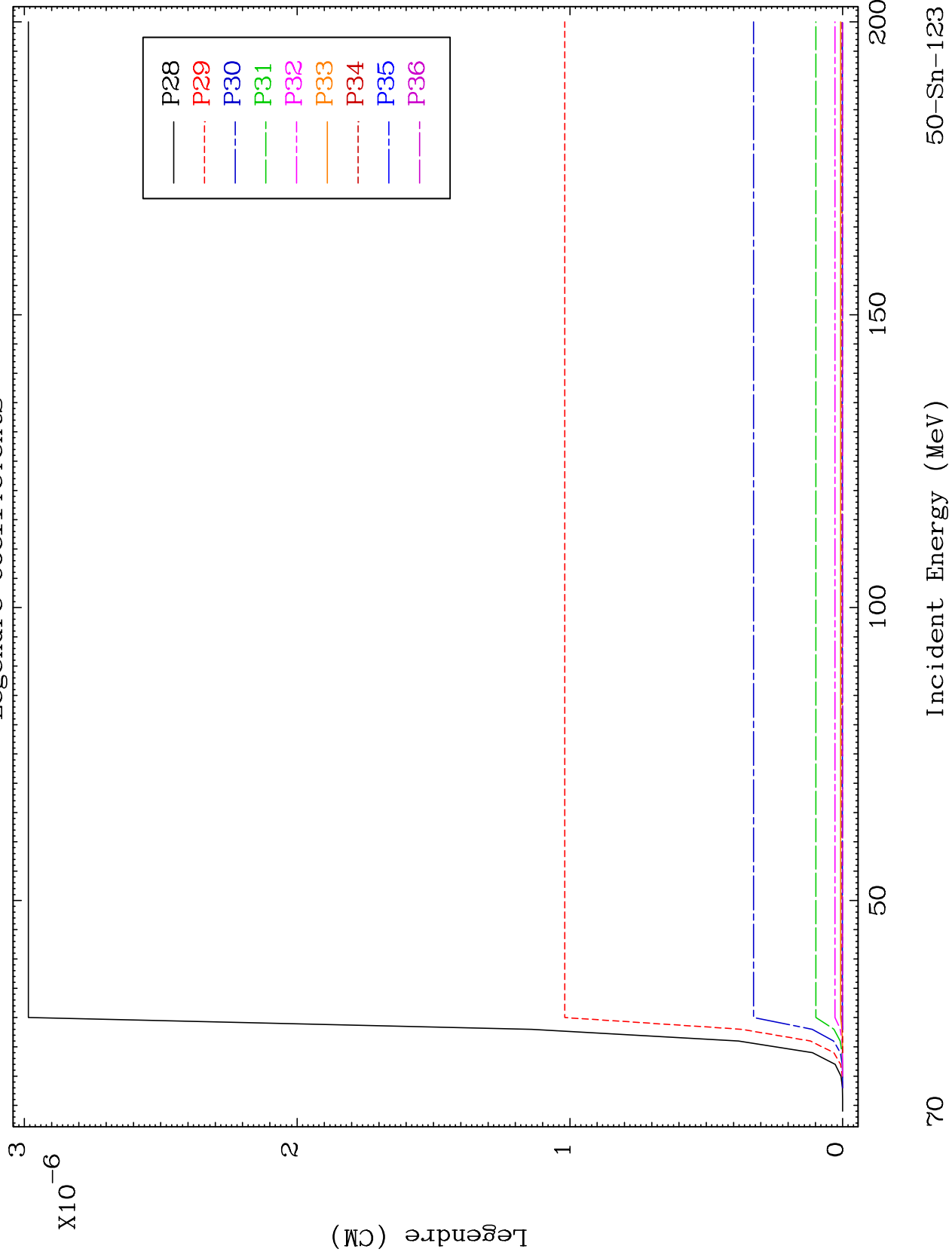
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

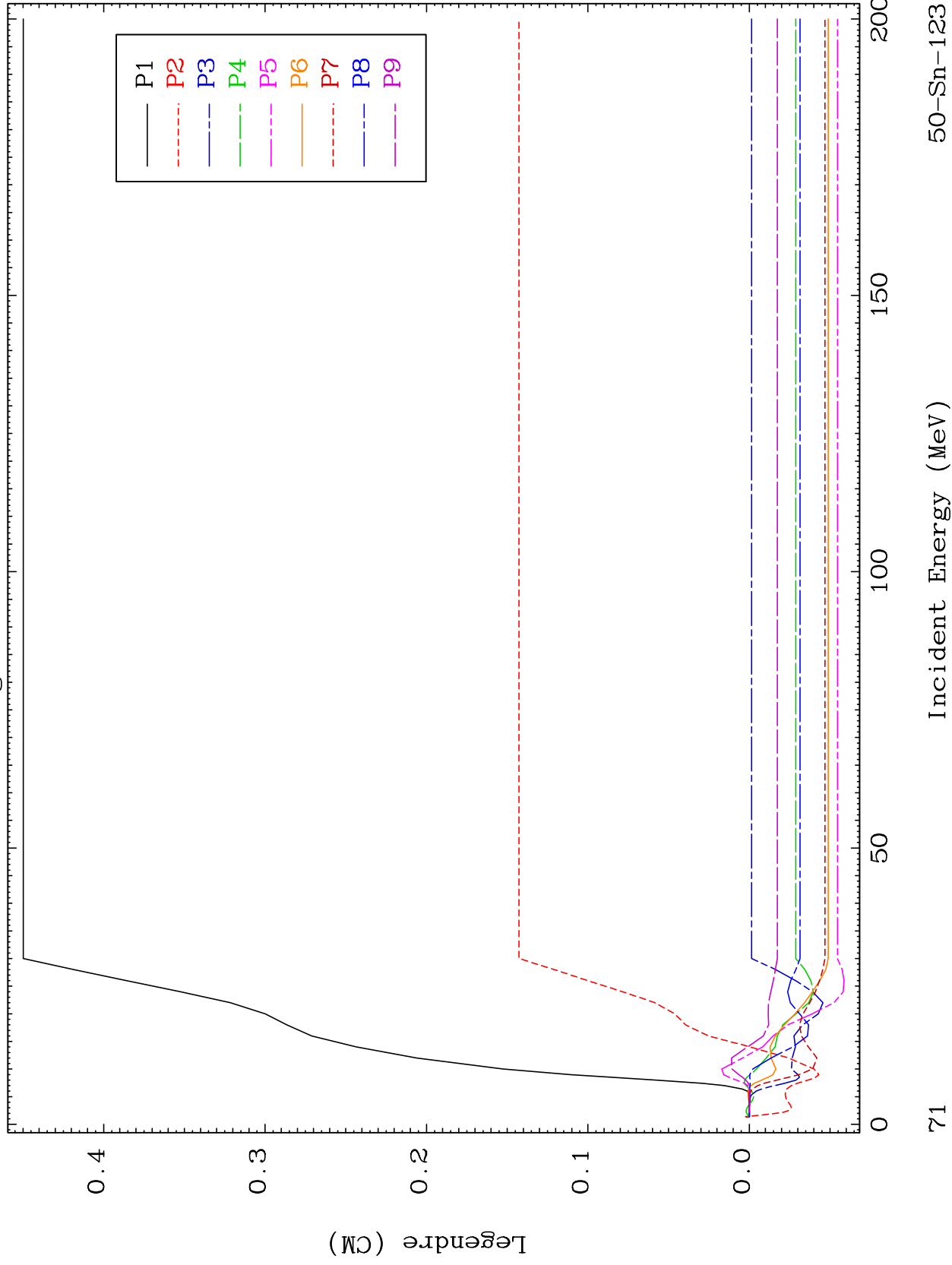
50-Sn-123



MAT 5058

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

50-Sn-123



71

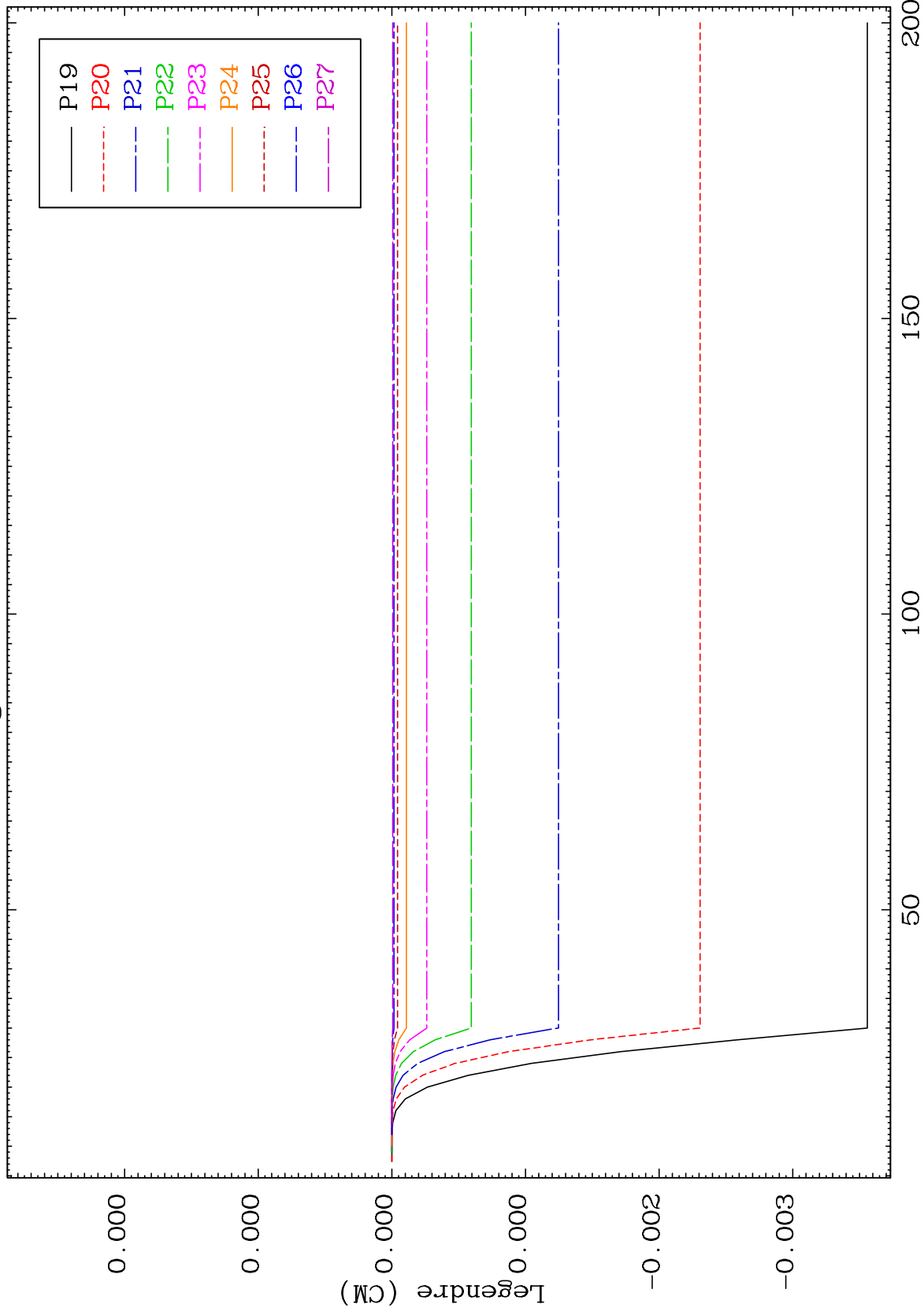
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

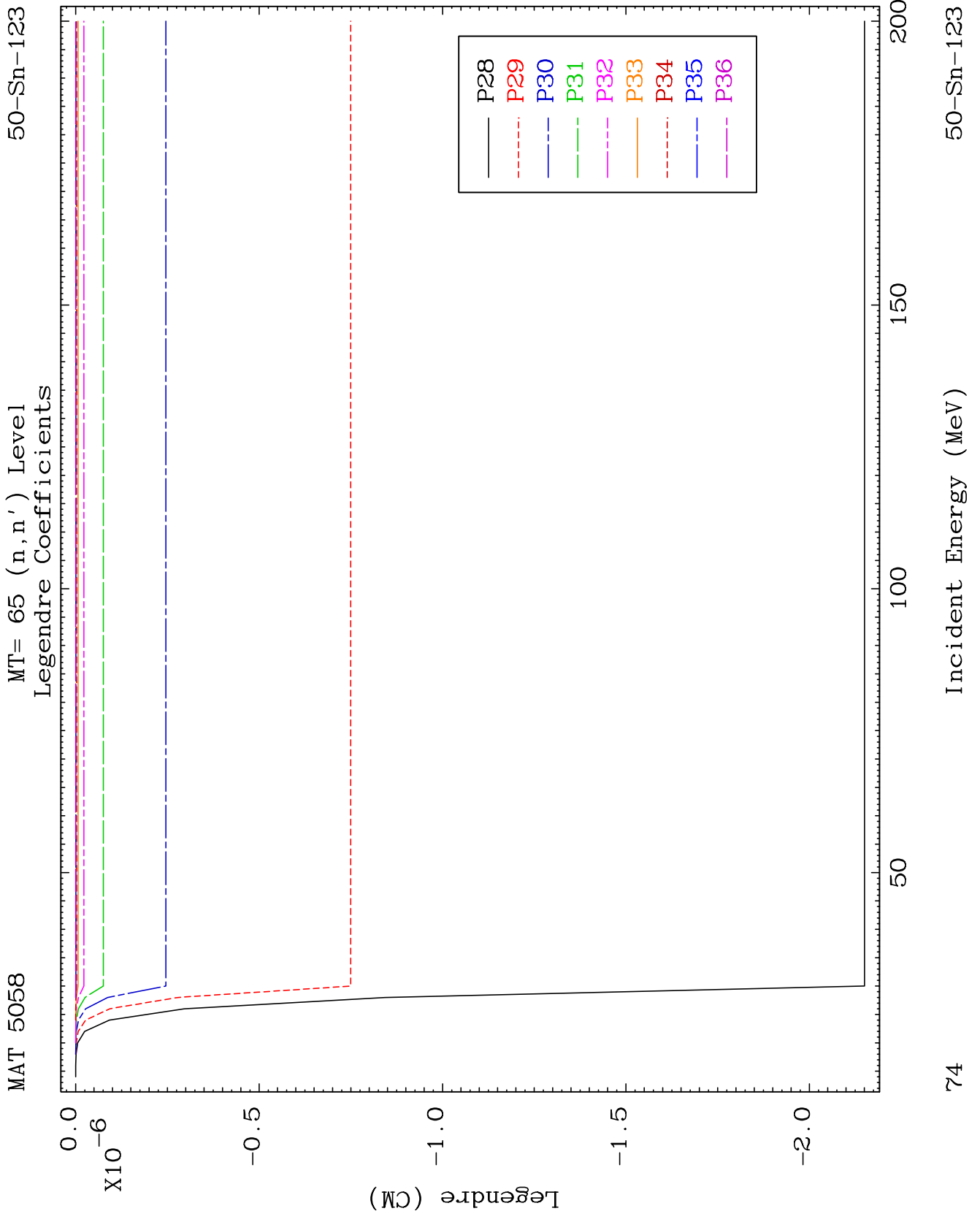
50-Sn-123

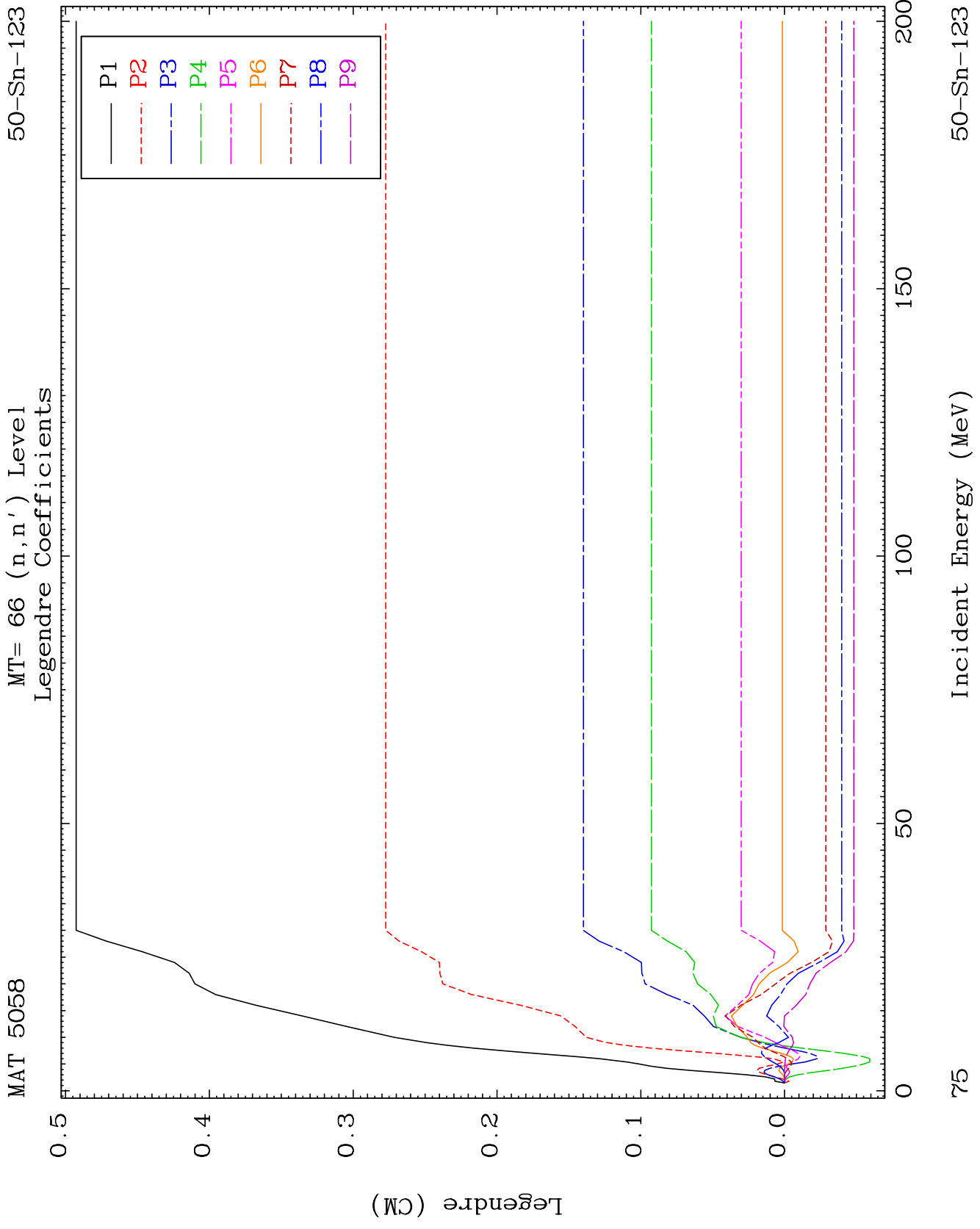


73

Incident Energy (MeV)

50-Sn-123

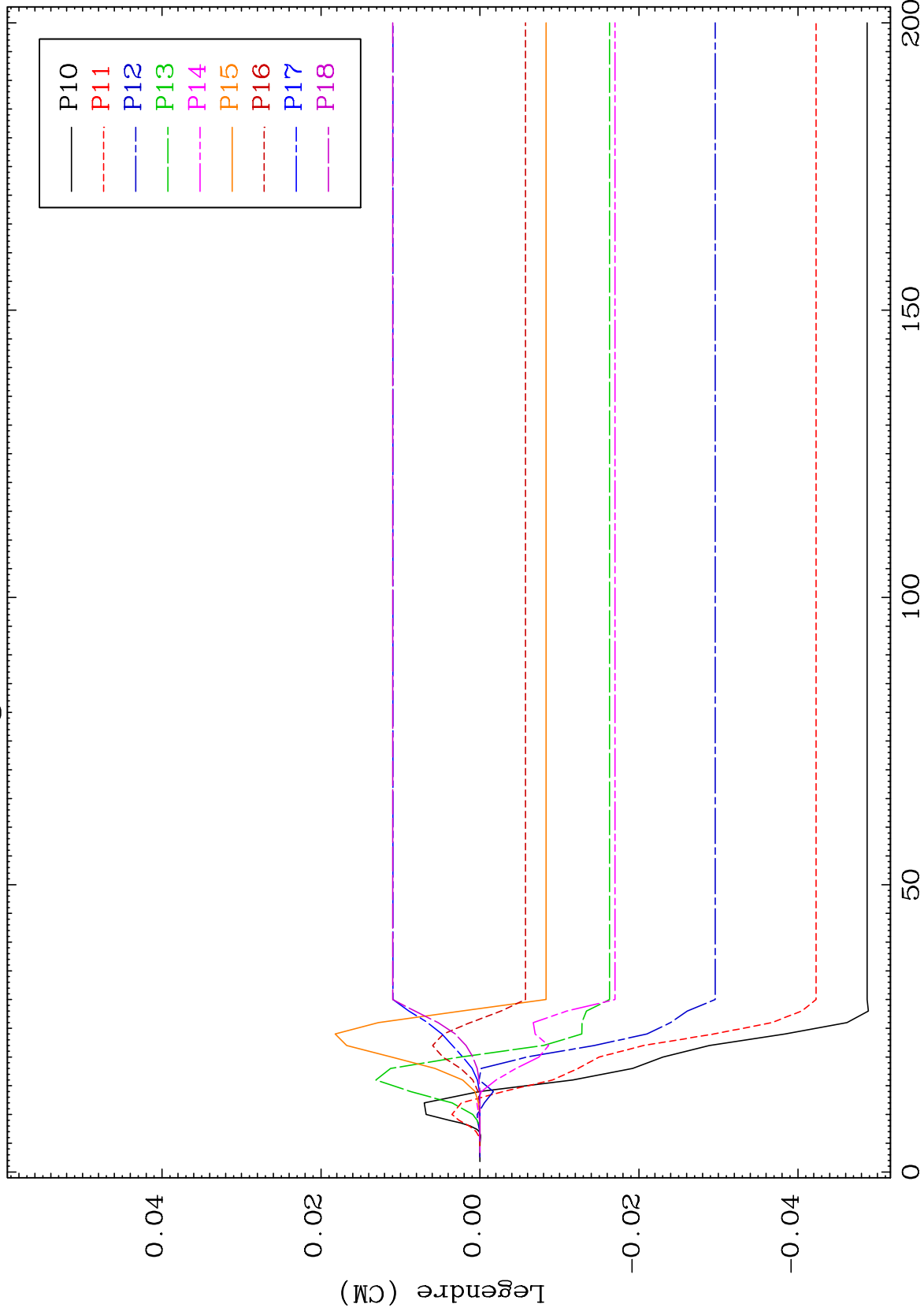




MAT 5058

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

50-Sn-123



76

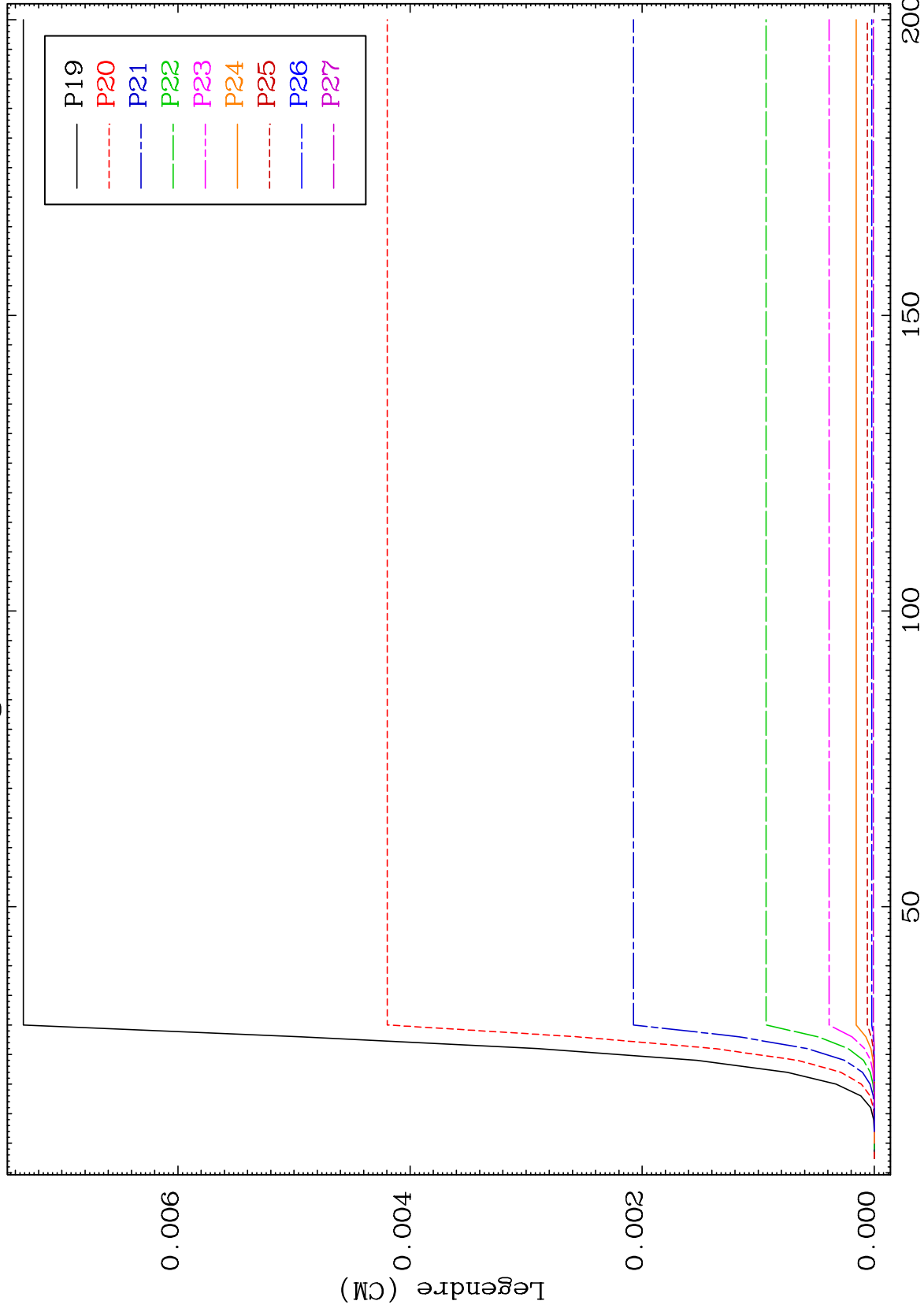
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



77

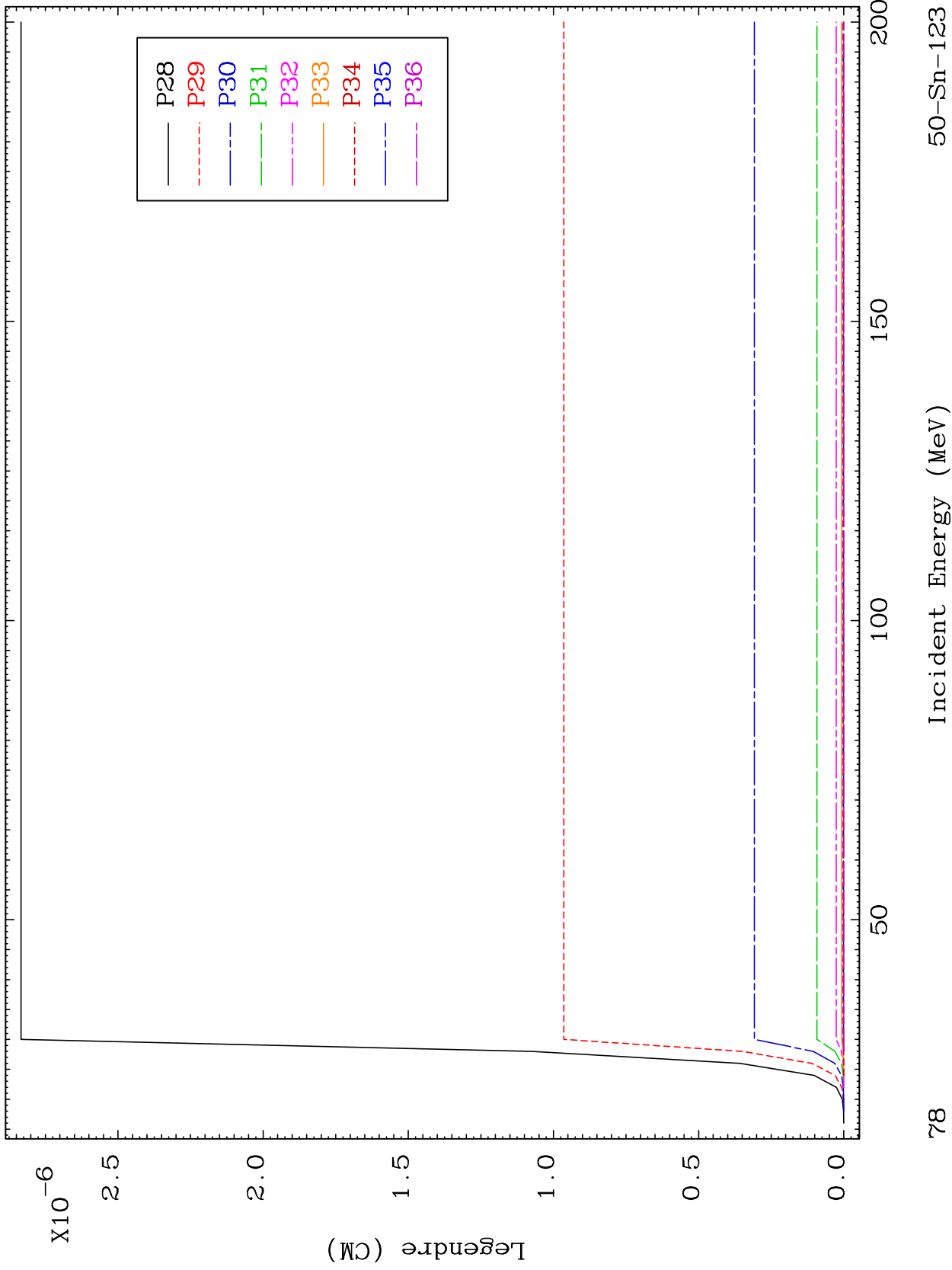
Incident Energy (MeV)

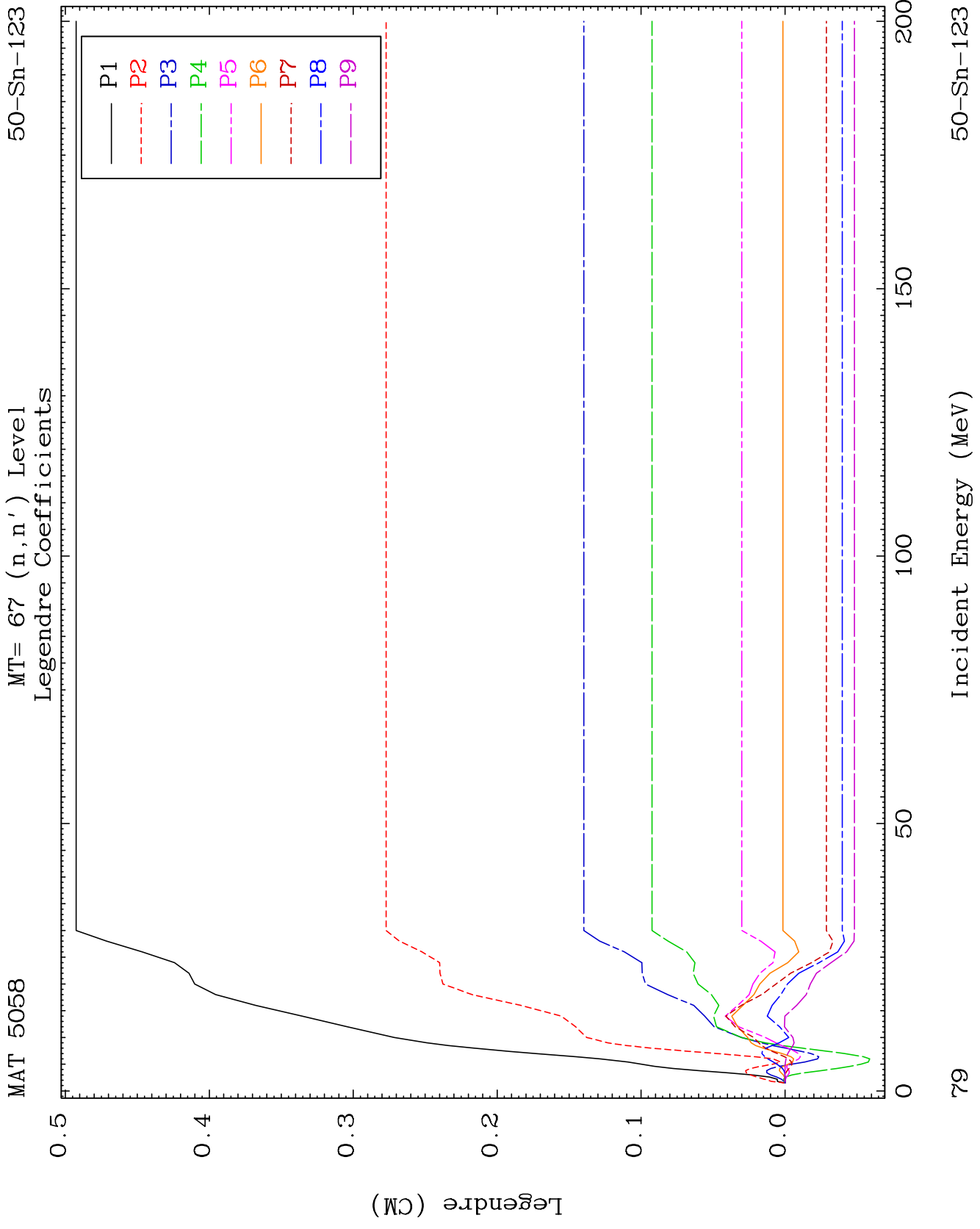
50-Sn-123

MAT 5058

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

50-Sn-123

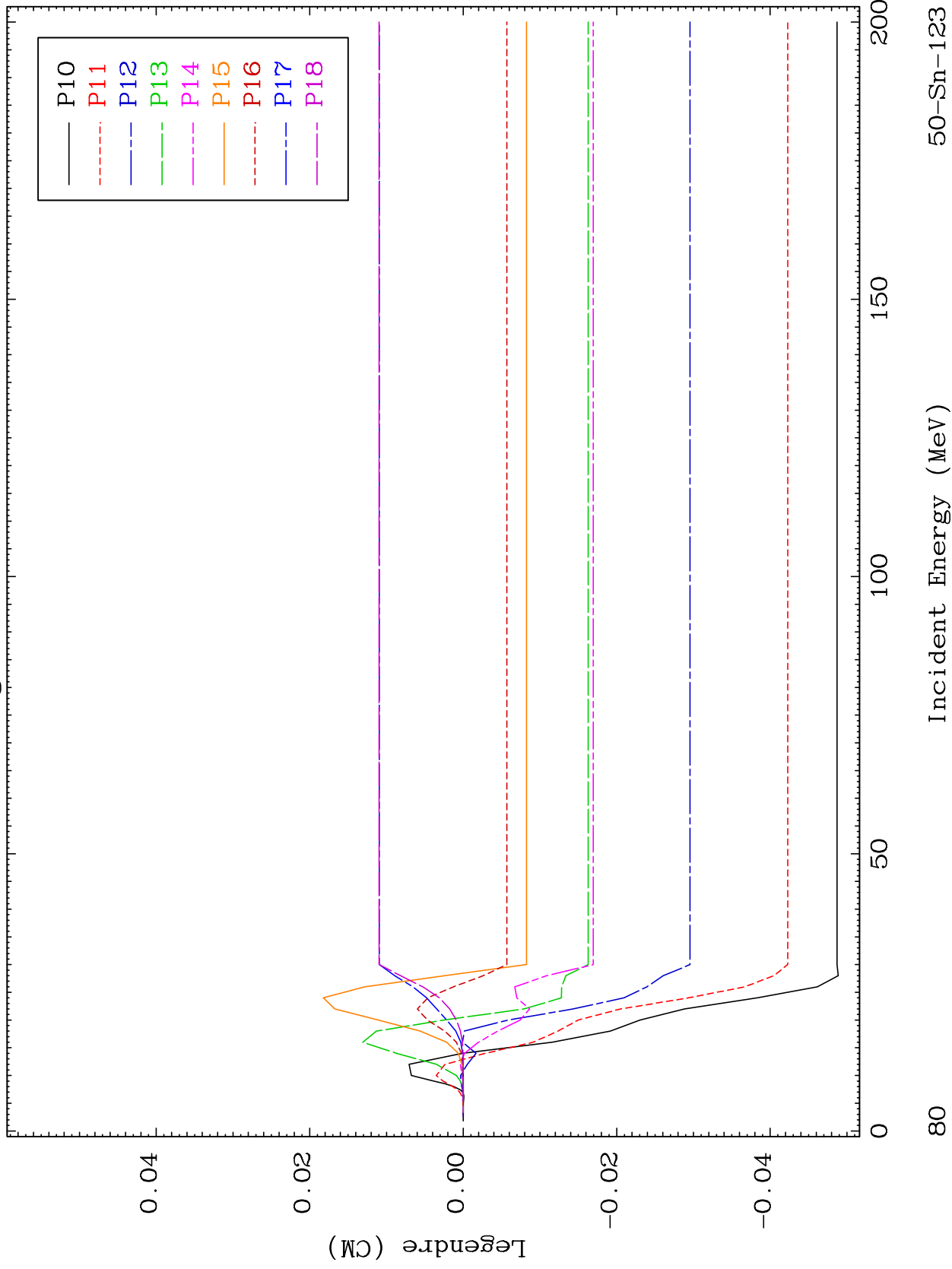




MAT 5058

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

50-Sn-123



50-Sn-123

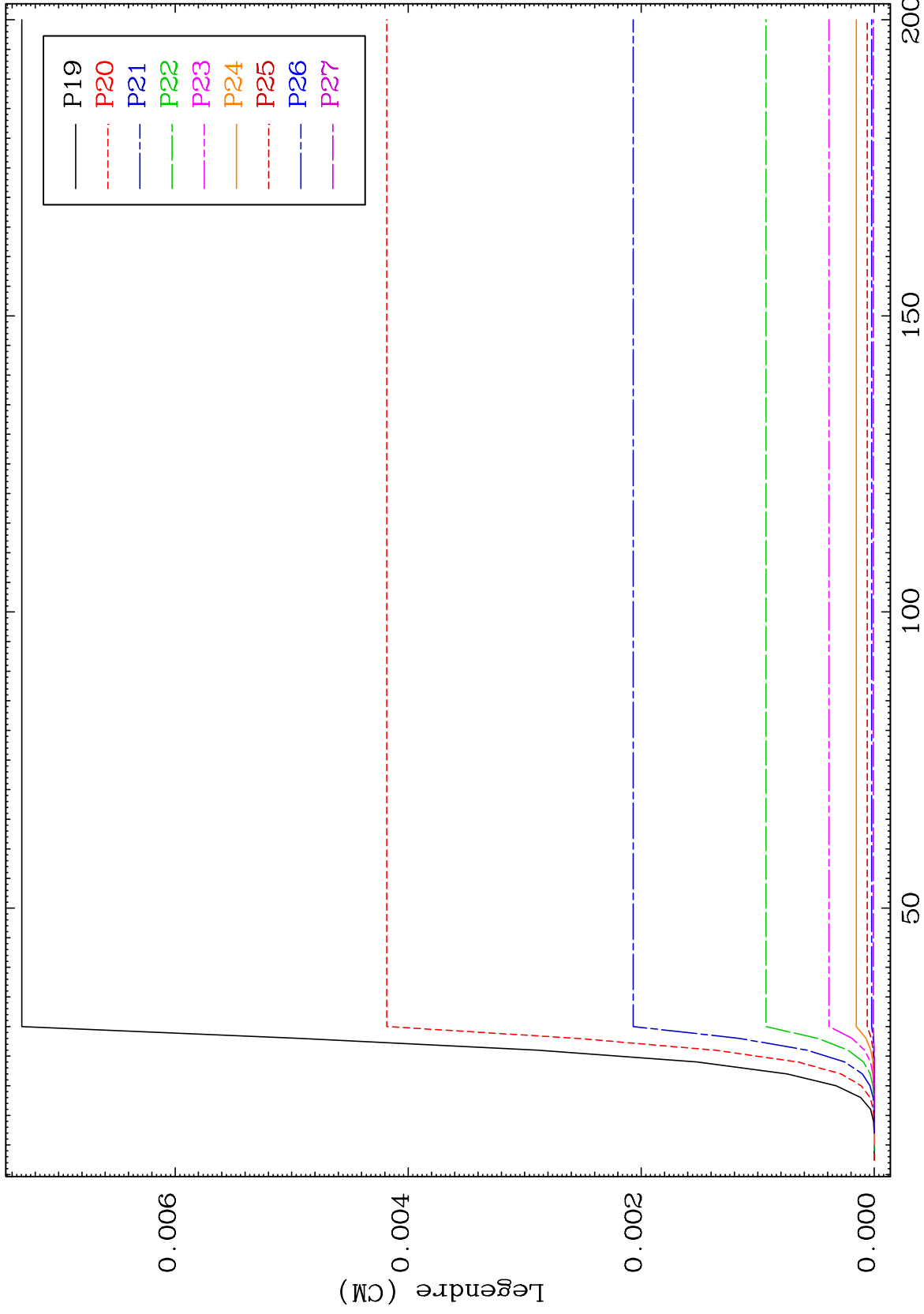
Incident Energy (MeV)

80

MAT 5058

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

50-Sn-123



81

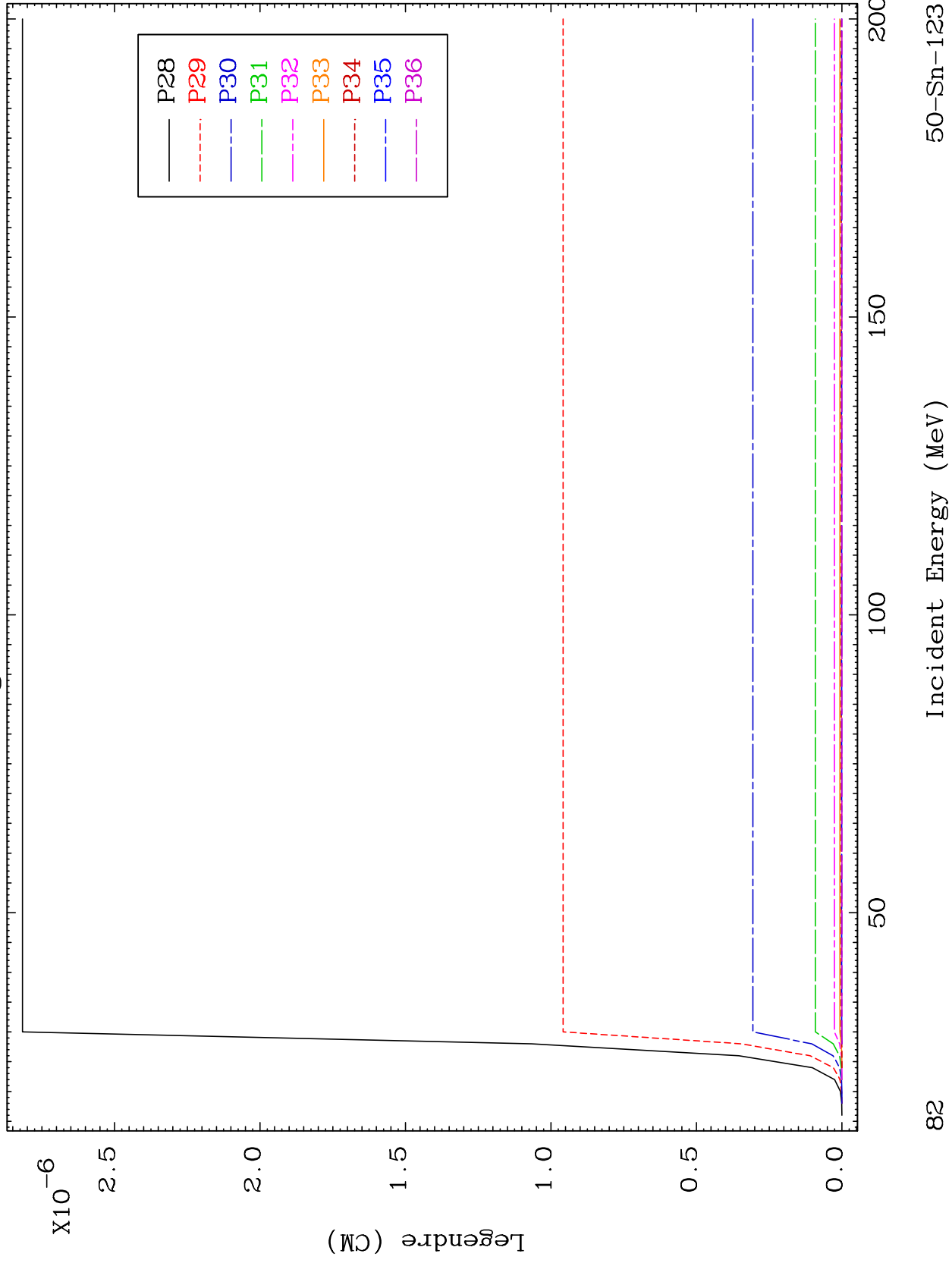
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



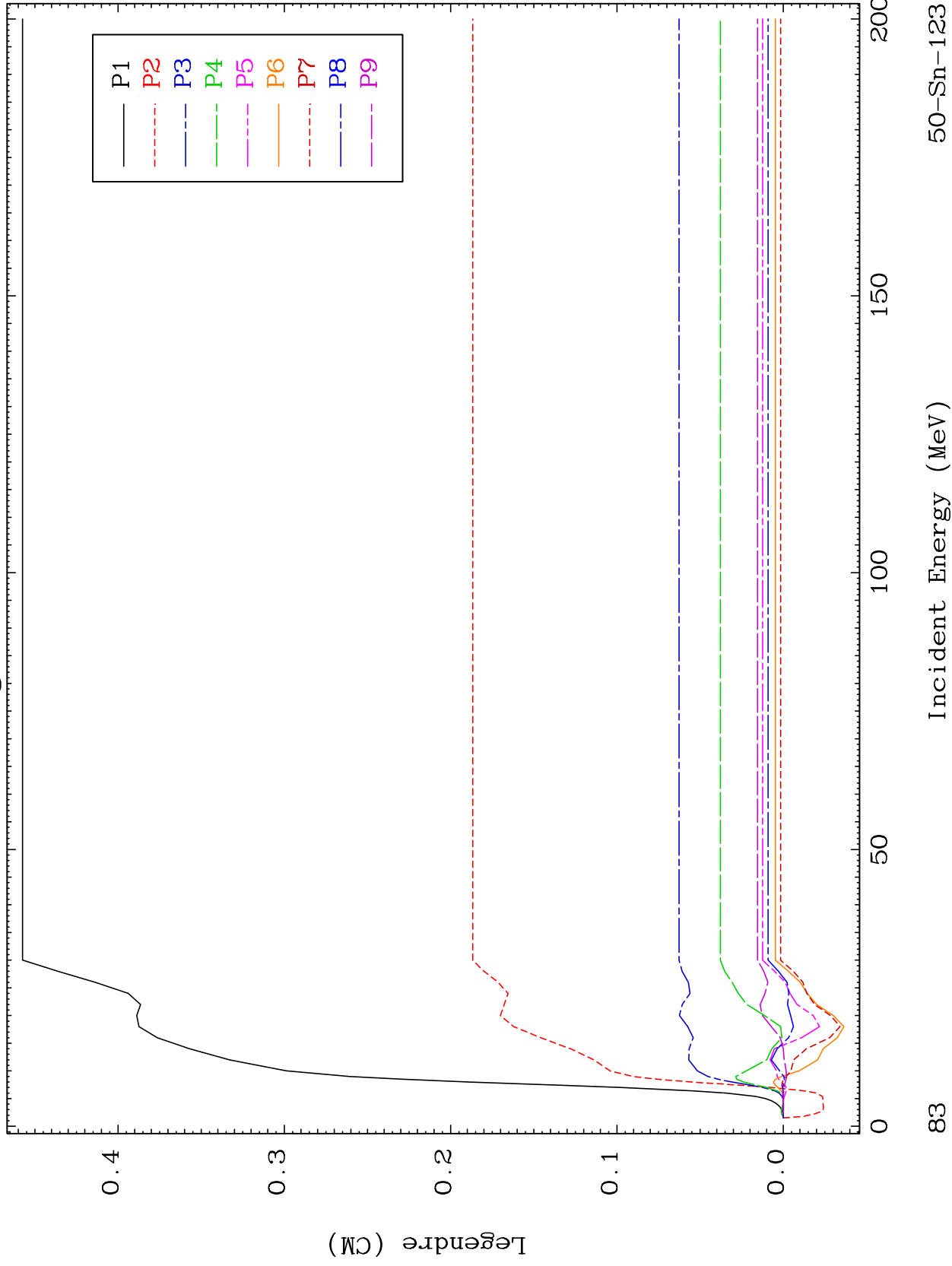
82

50-Sn-123

MAT 5058

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

50-Sn-123



50-Sn-123

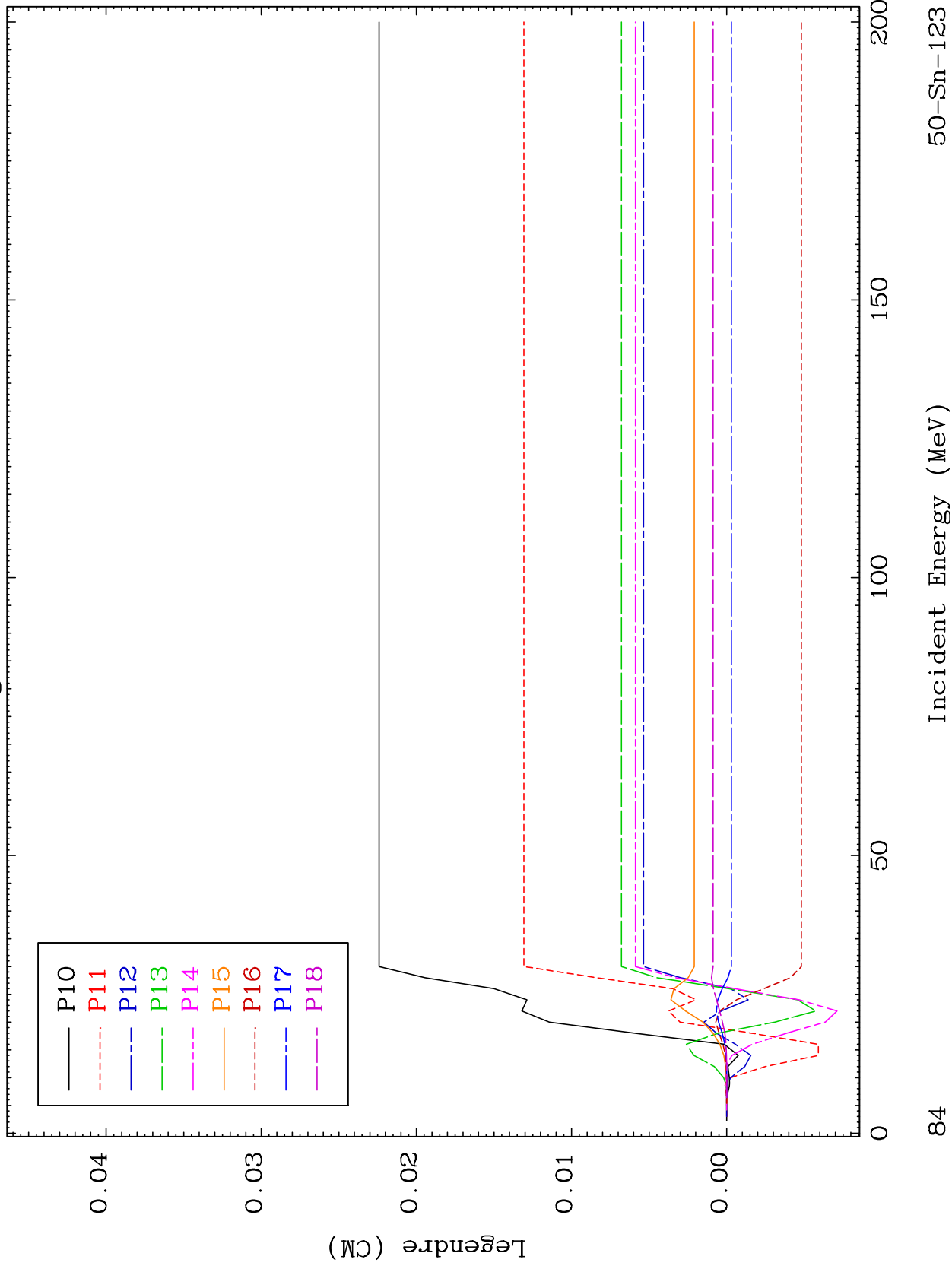
Incident Energy (MeV)

83

MAT 5058

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

50-Sn-123



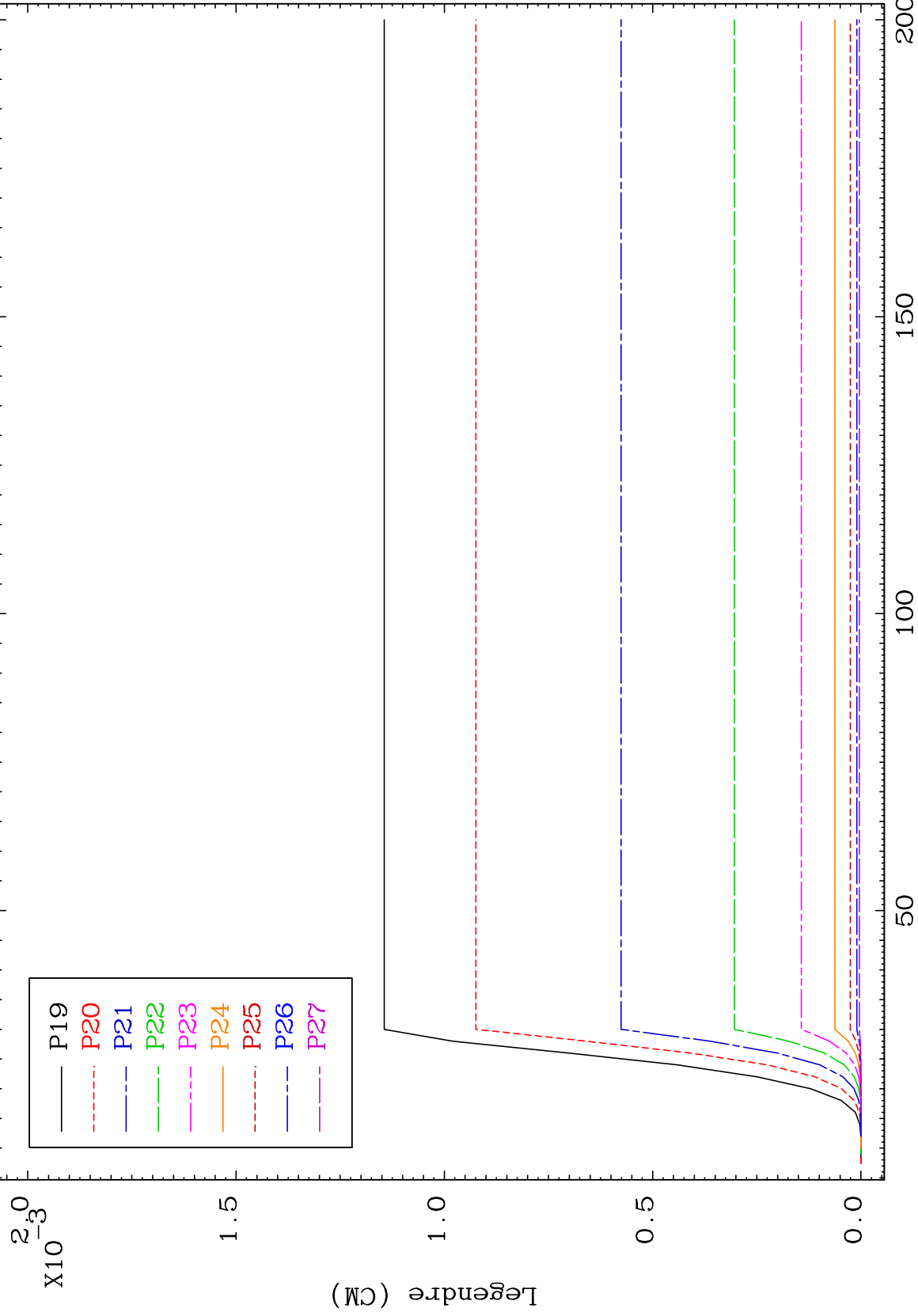
84

50-Sn-123

MAT 5058

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

50-Sn-123



85

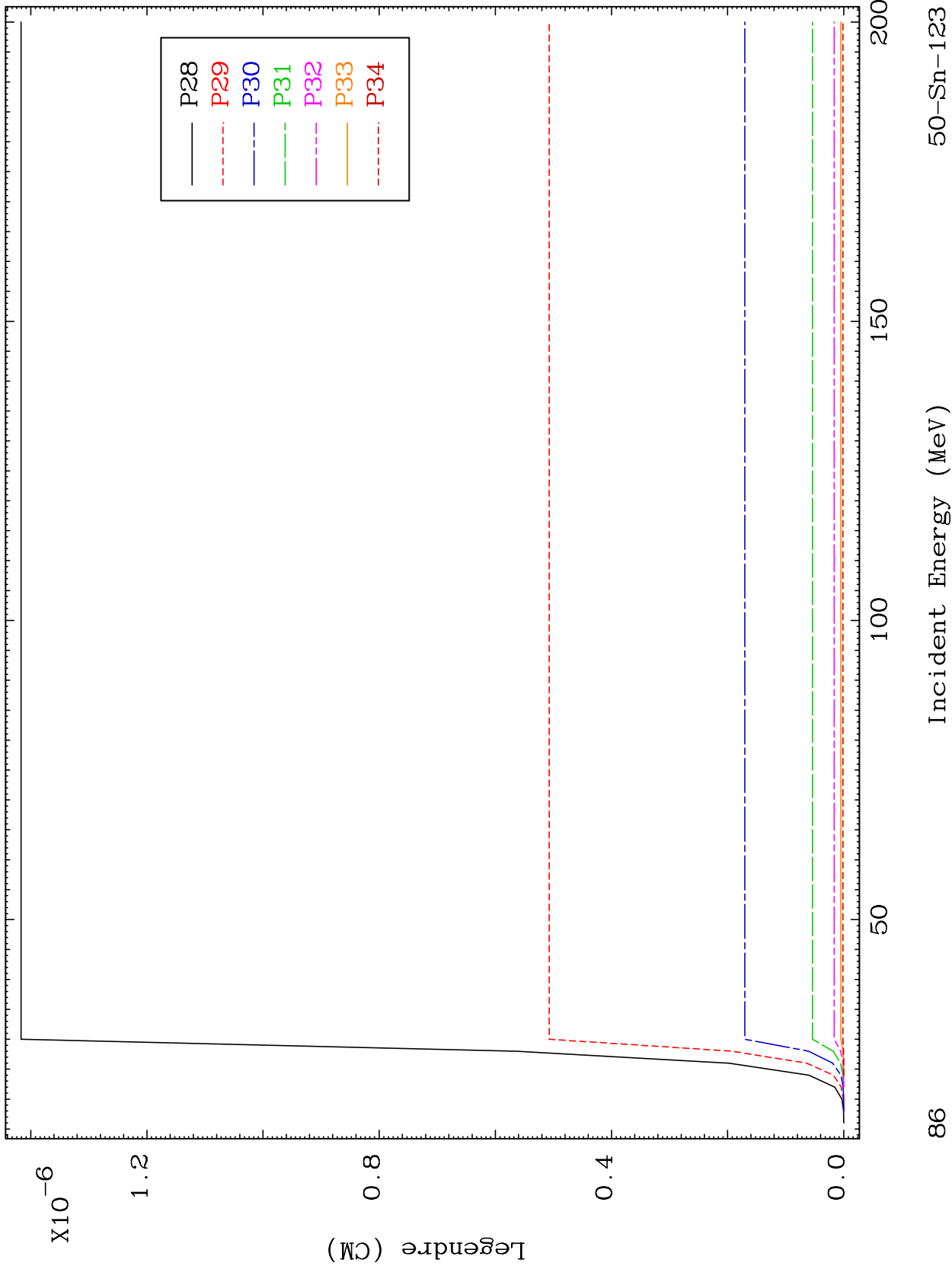
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

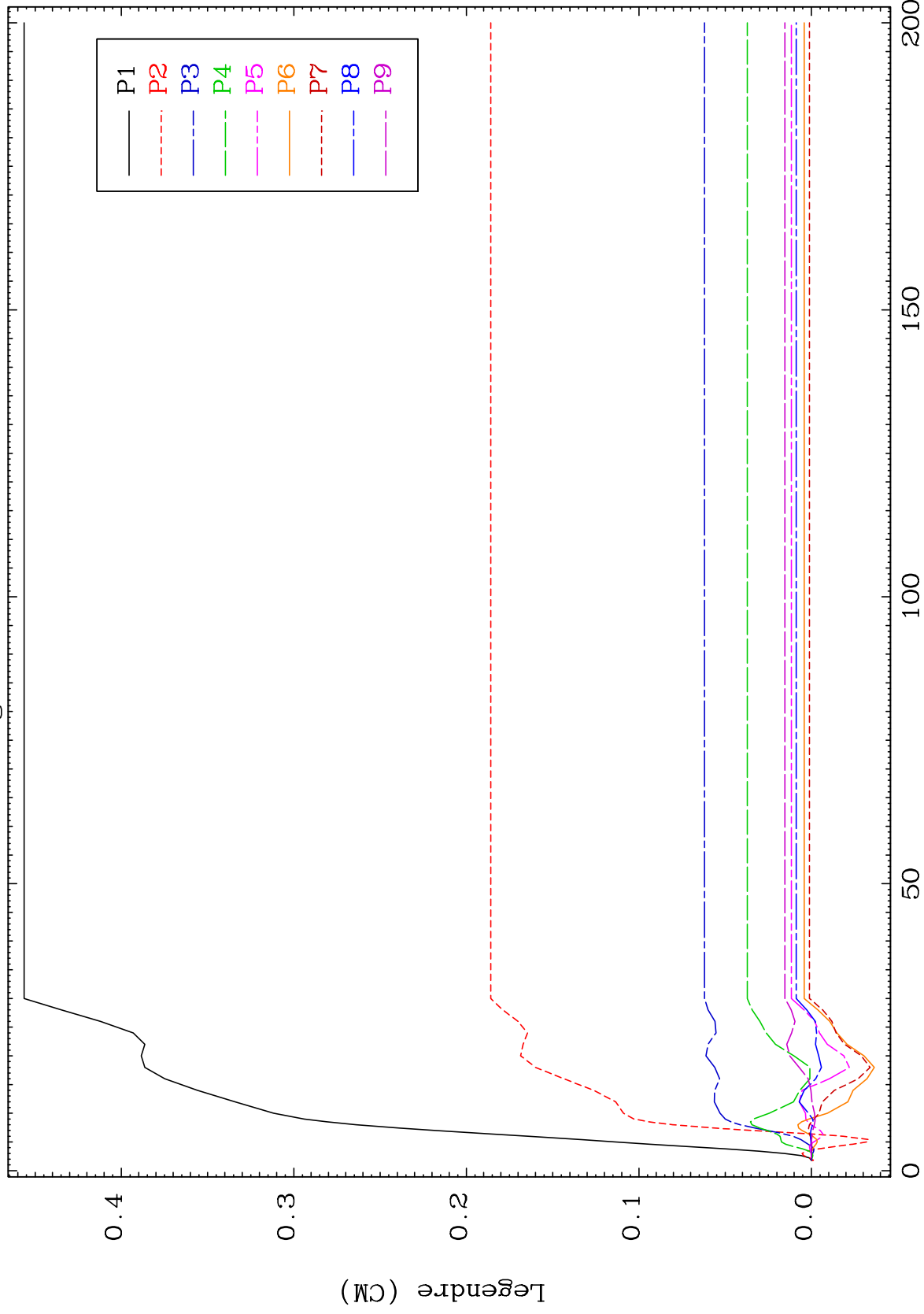
50-Sn-123



MAT 5058

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

50-Sn-123



50-Sn-123

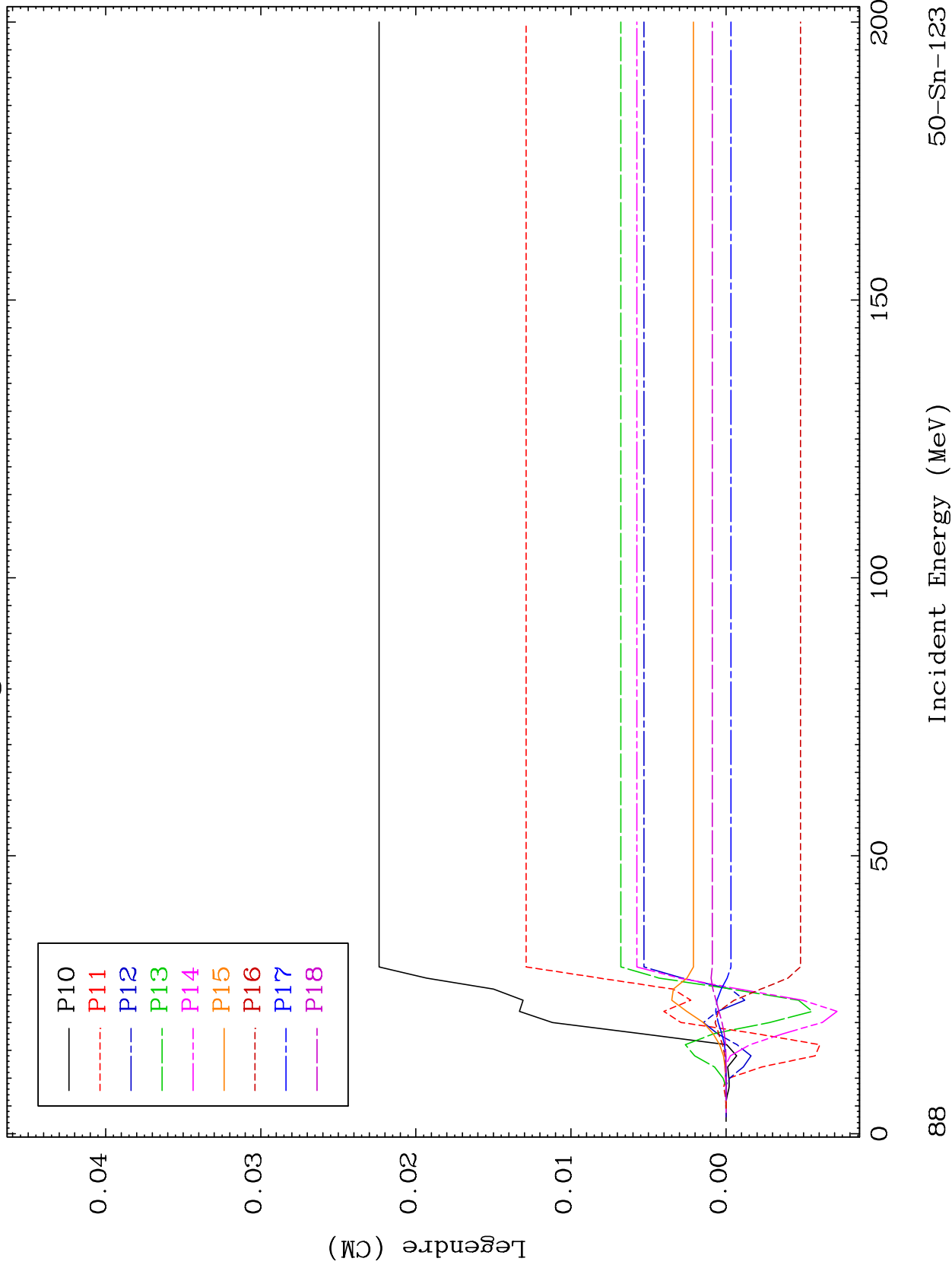
Incident Energy (MeV)

87

MAT 5058

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

50-Sn-123



50-Sn-123

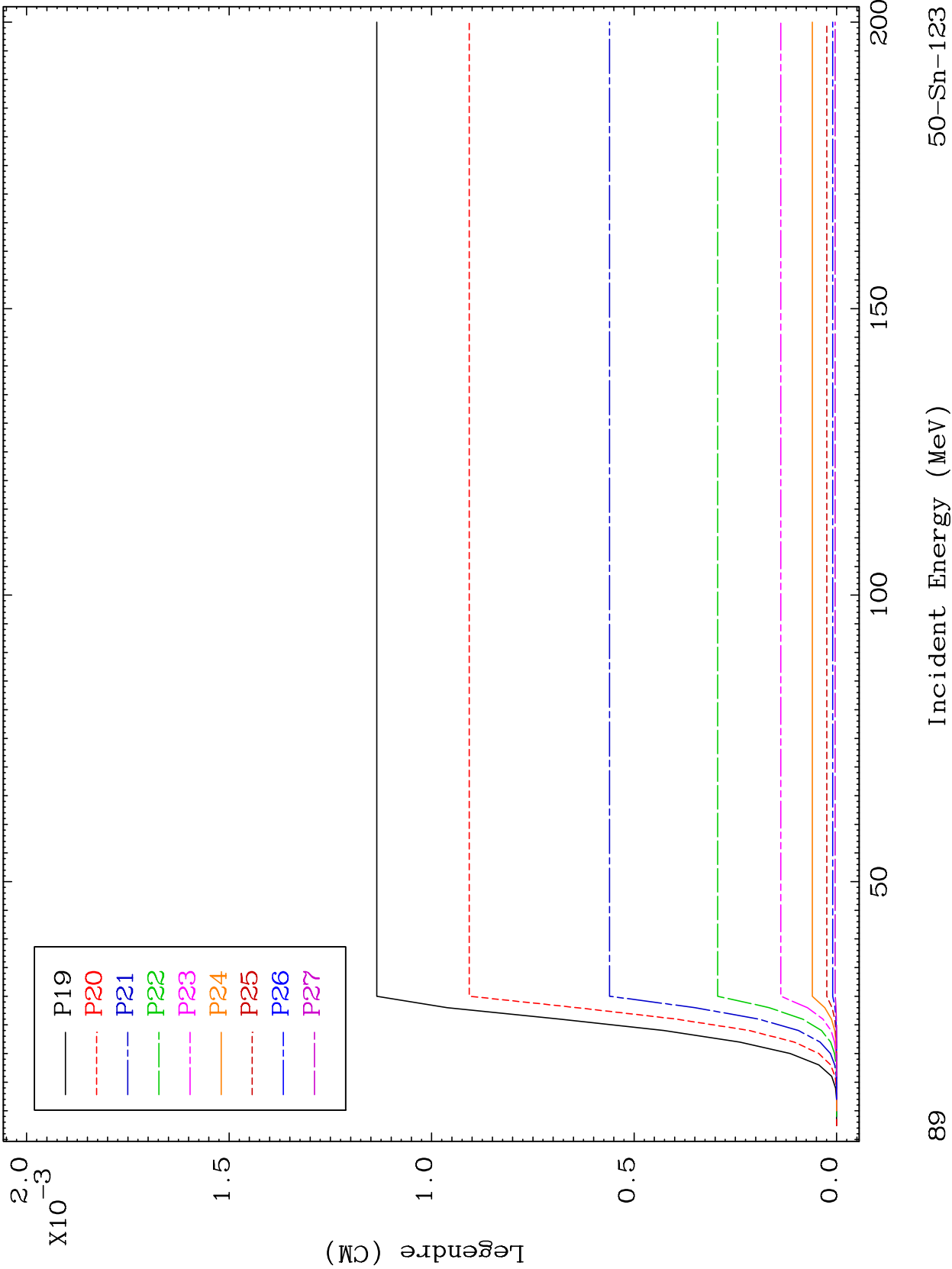
Incident Energy (MeV)

88

MAT 5058

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

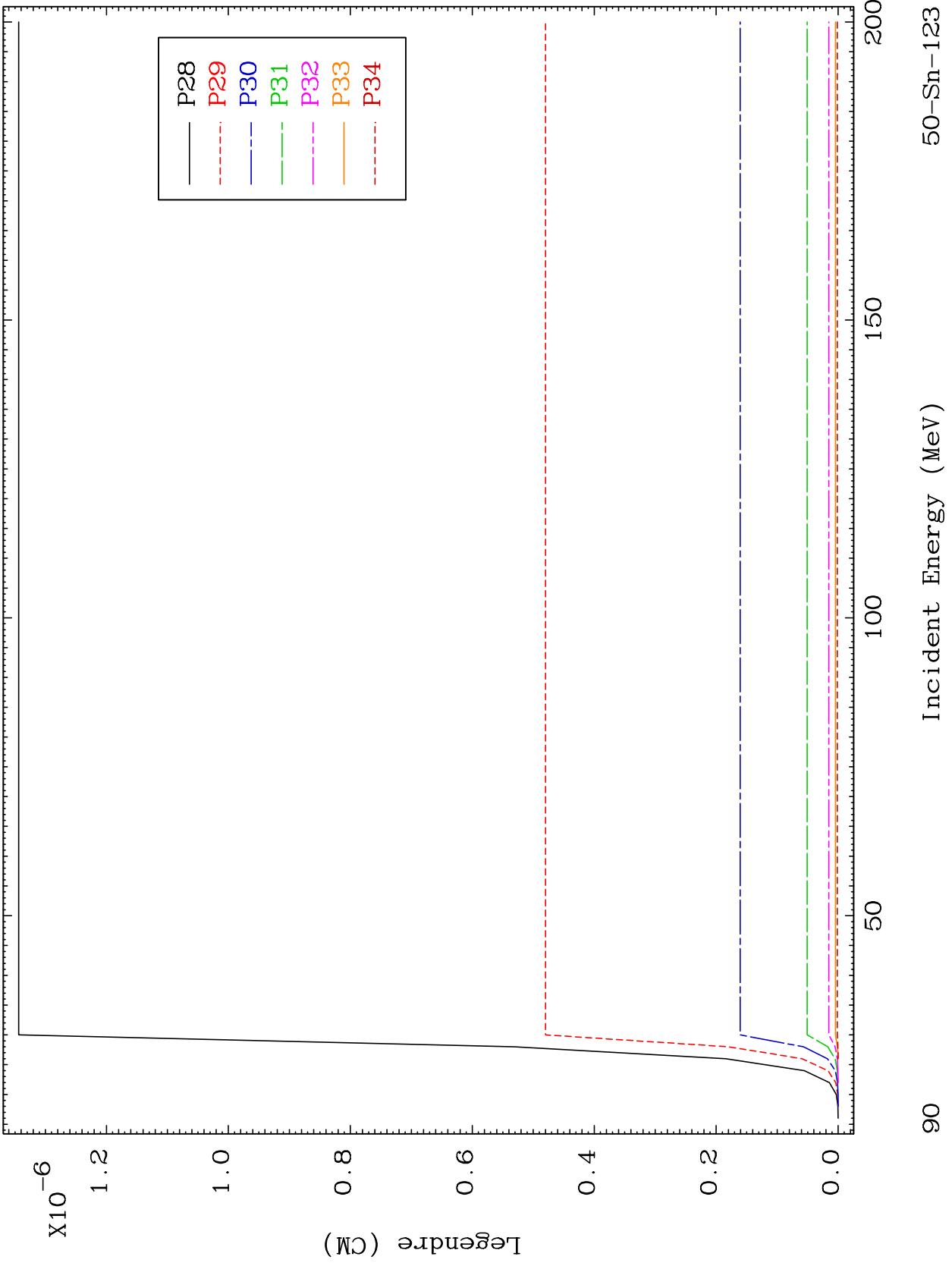
50-Sn-123



MAT 5058

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

50-Sn-123



90

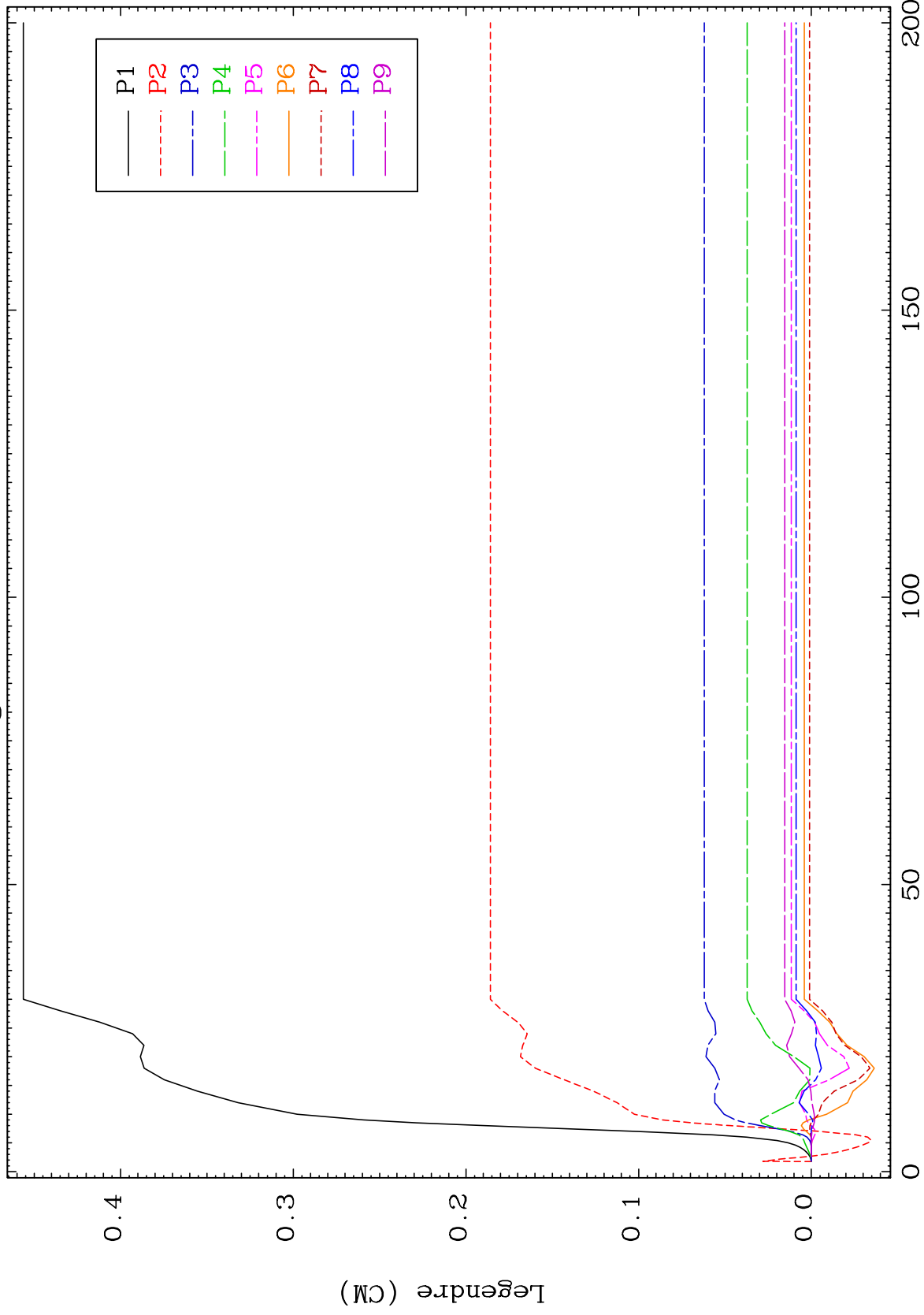
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



91

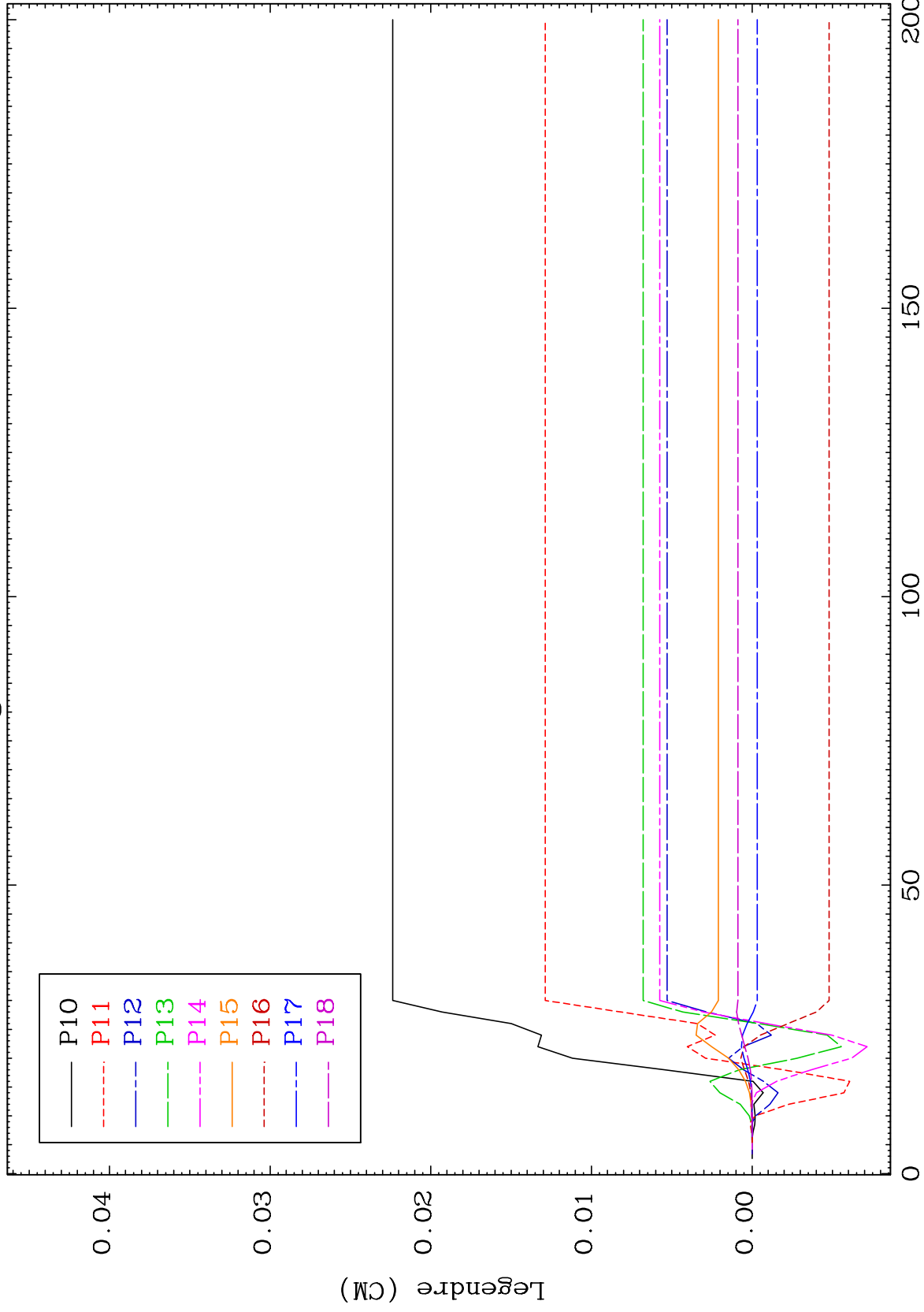
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



92

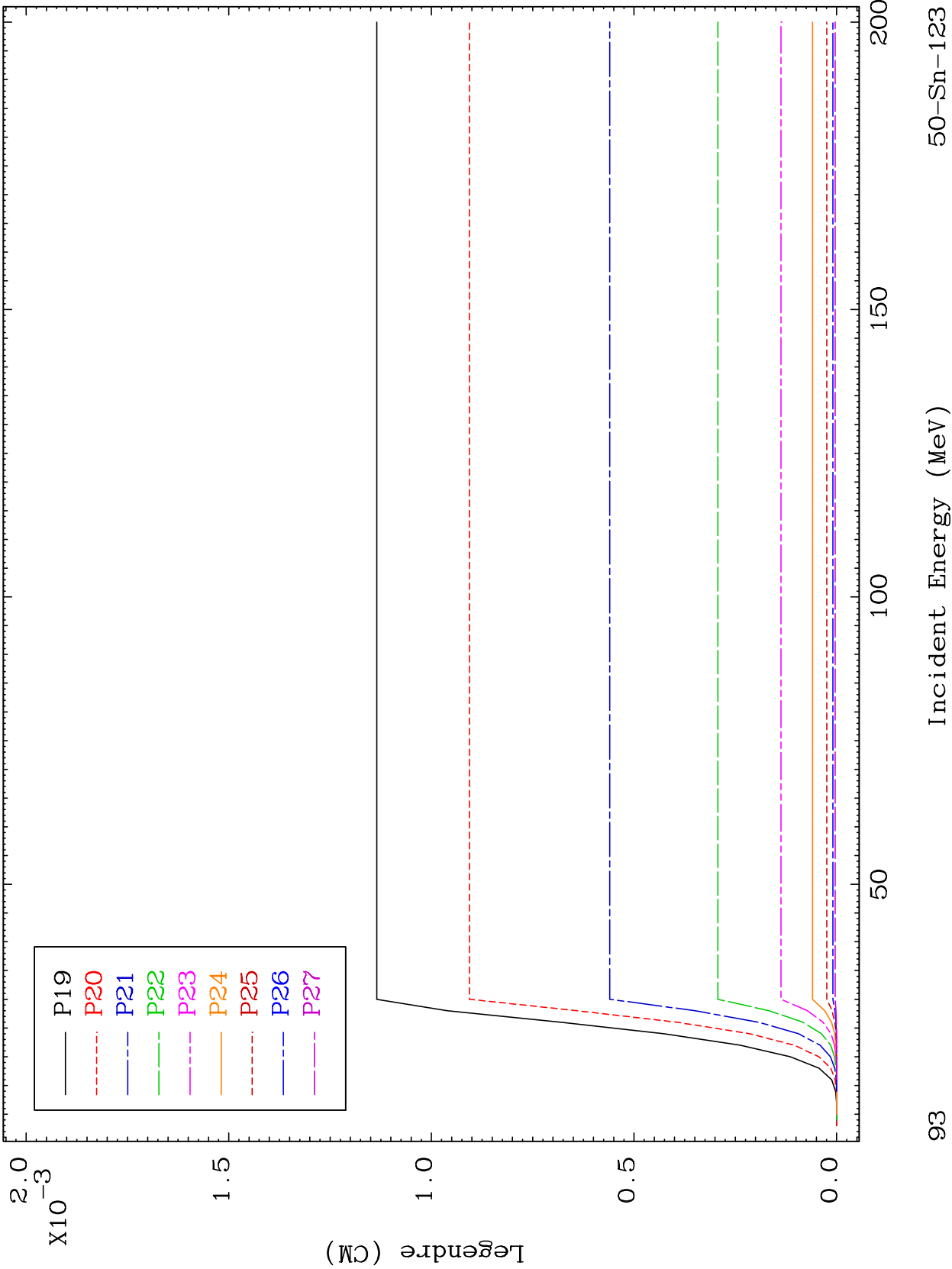
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

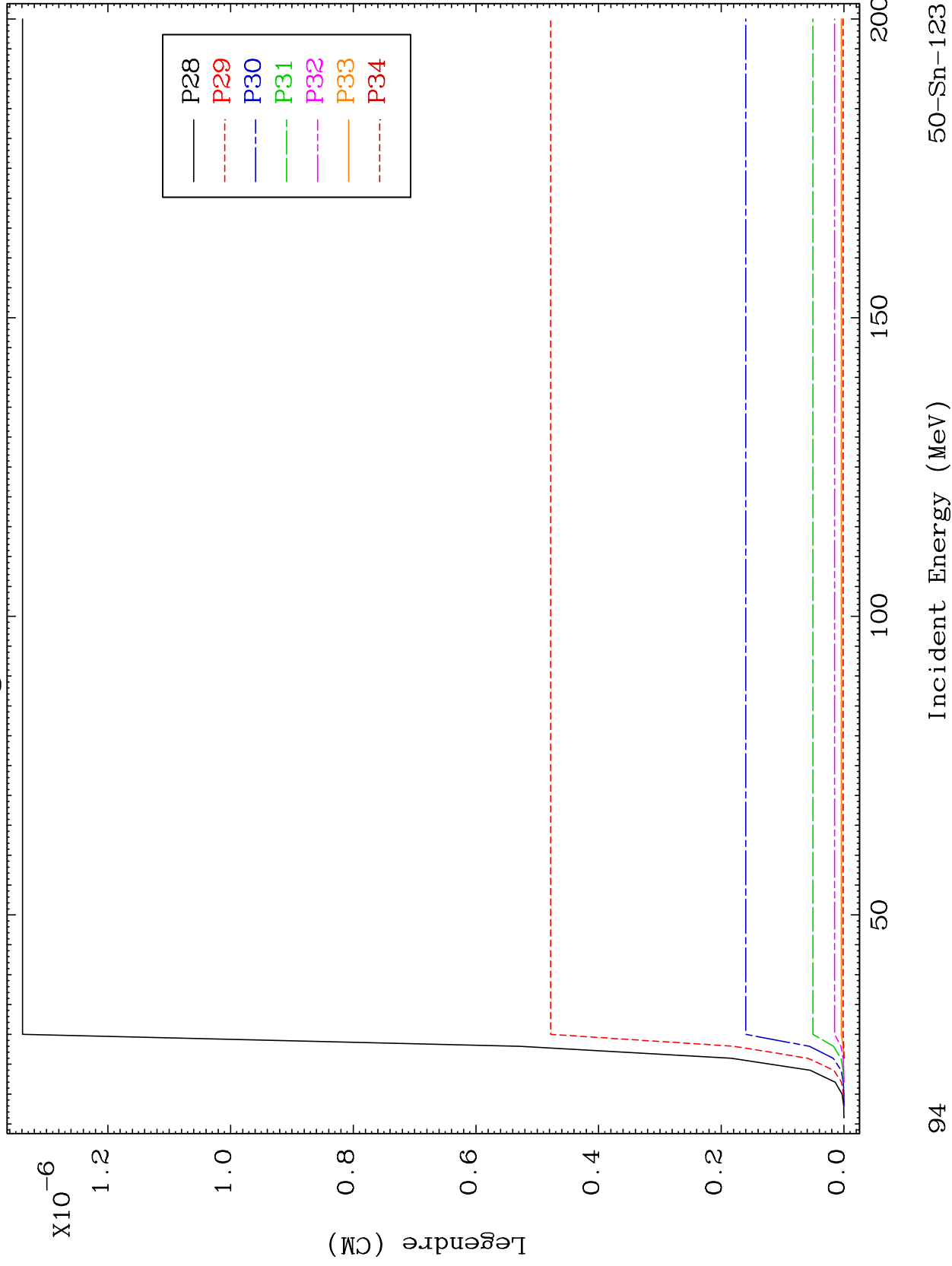
50-Sn-123

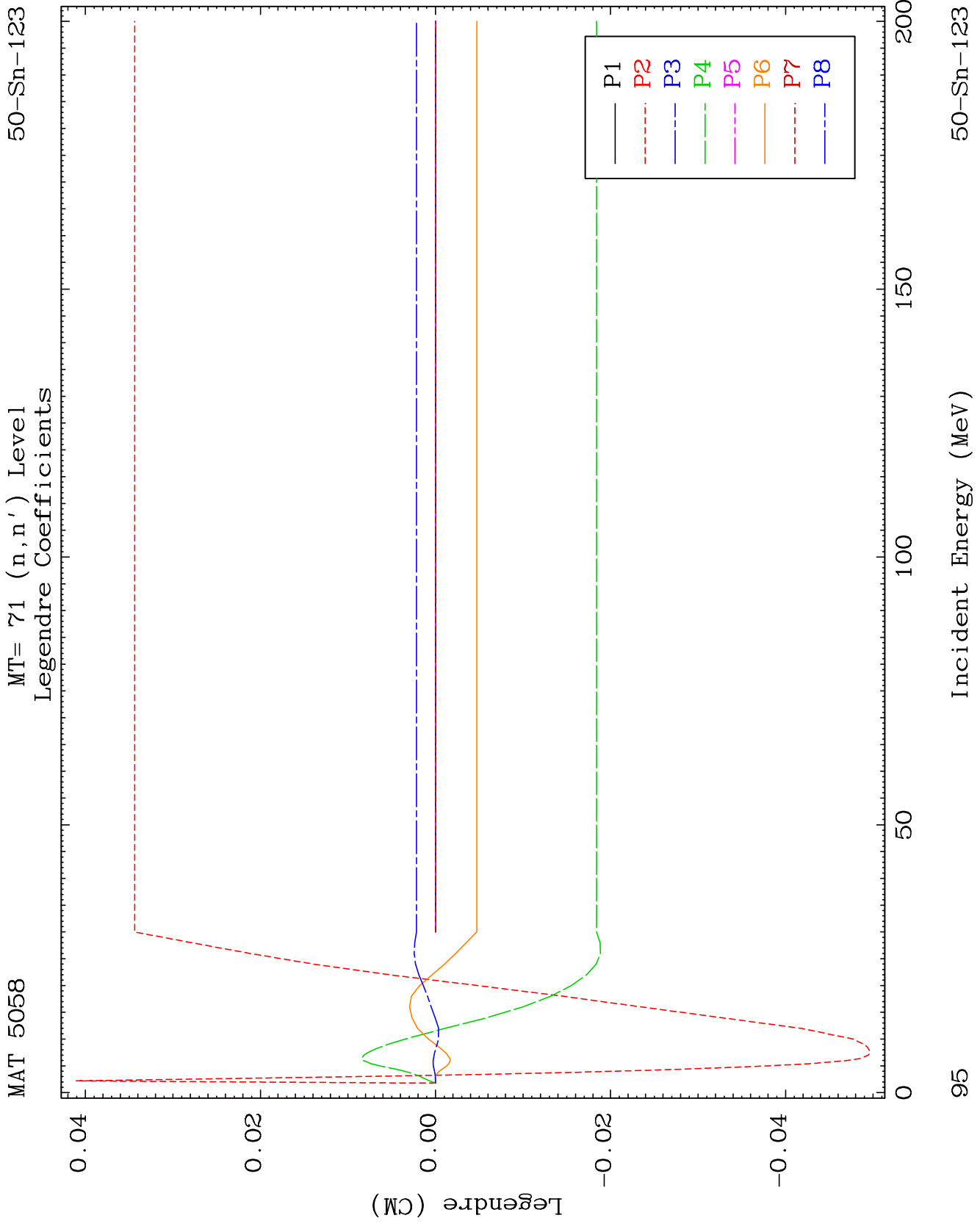


MAT 5058

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

50-Sn-123

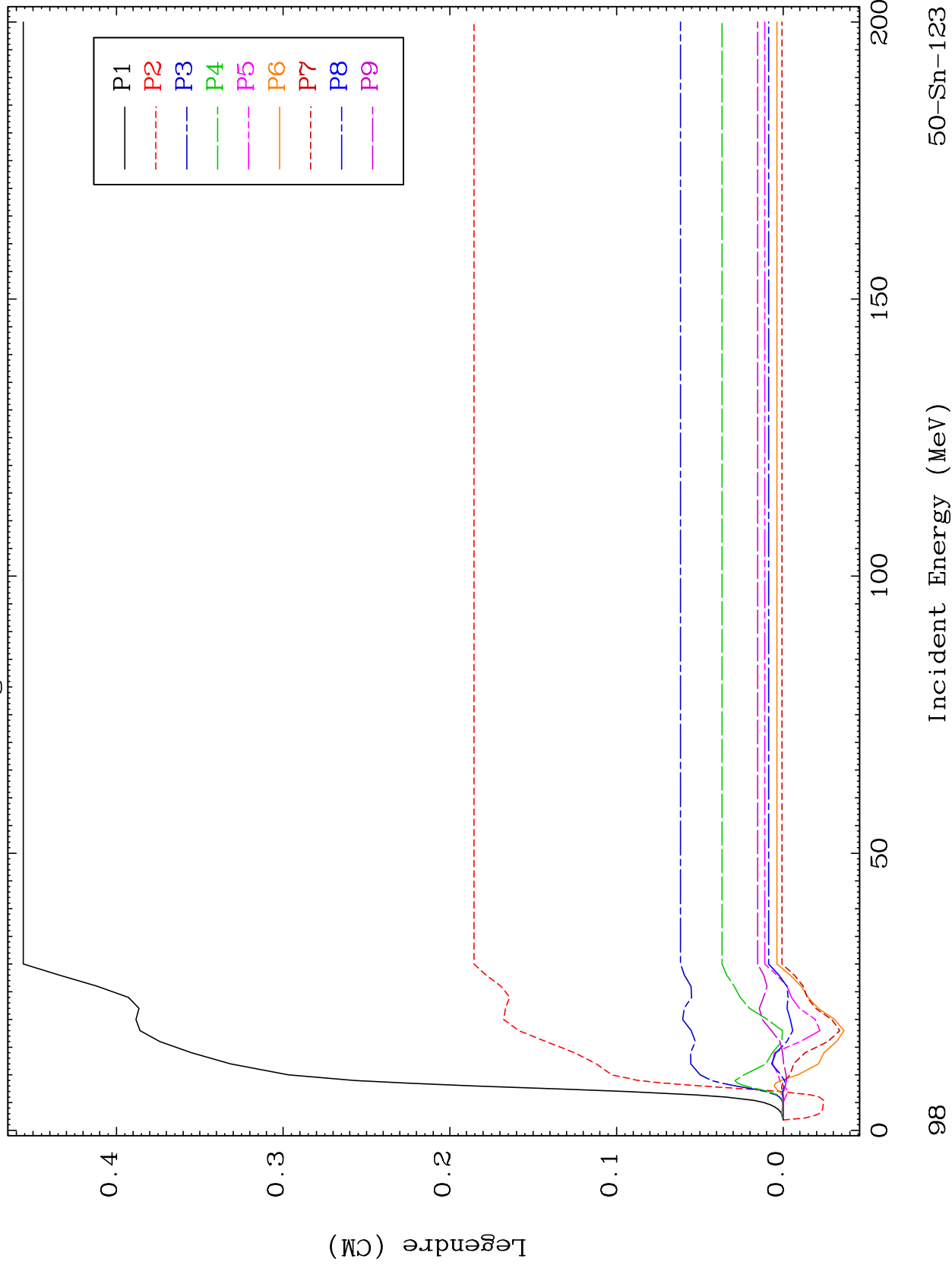




MAT 5058

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

50-Sn-123



50-Sn-123

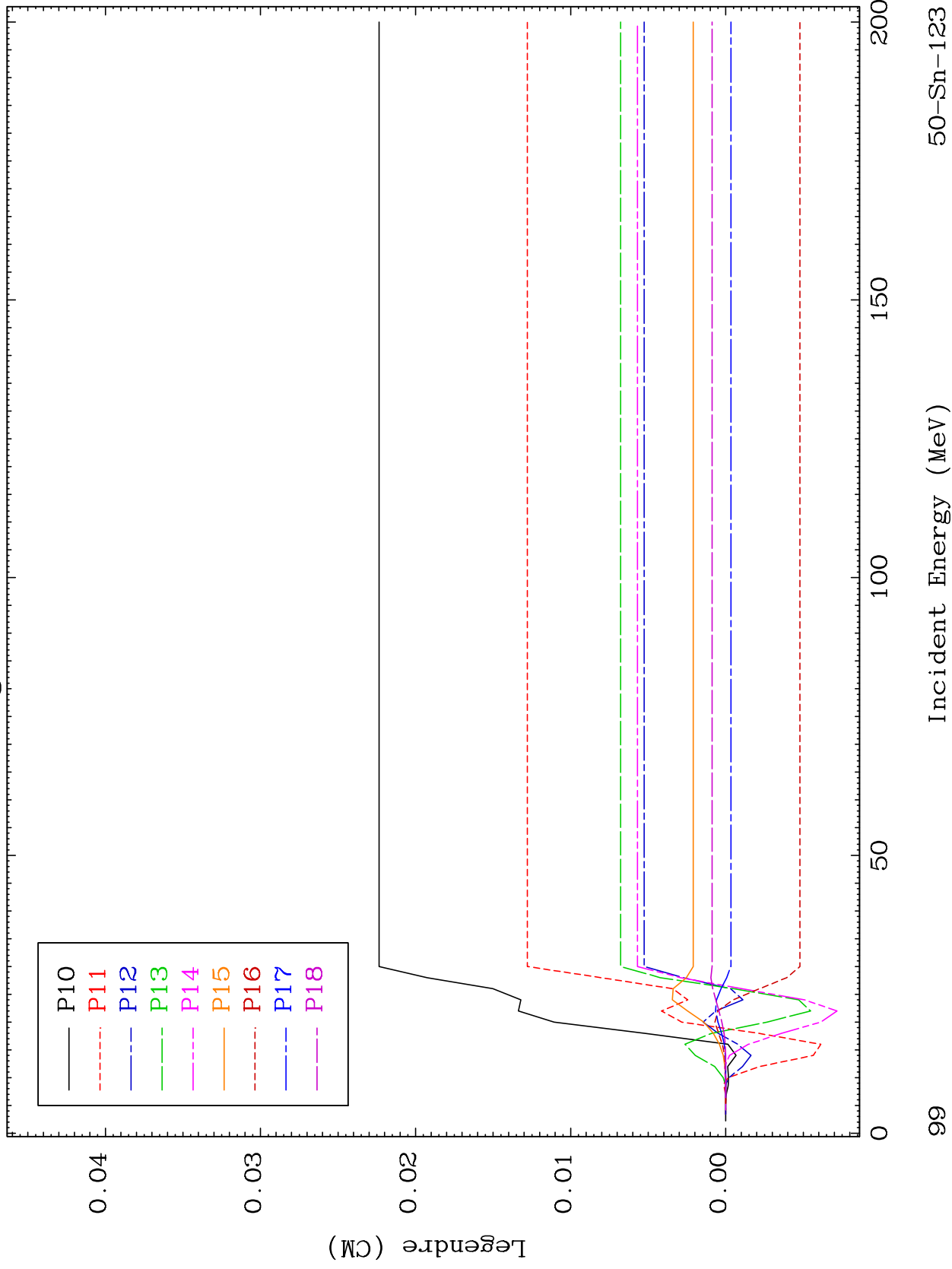
Incident Energy (MeV)

98

MAT 5058

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

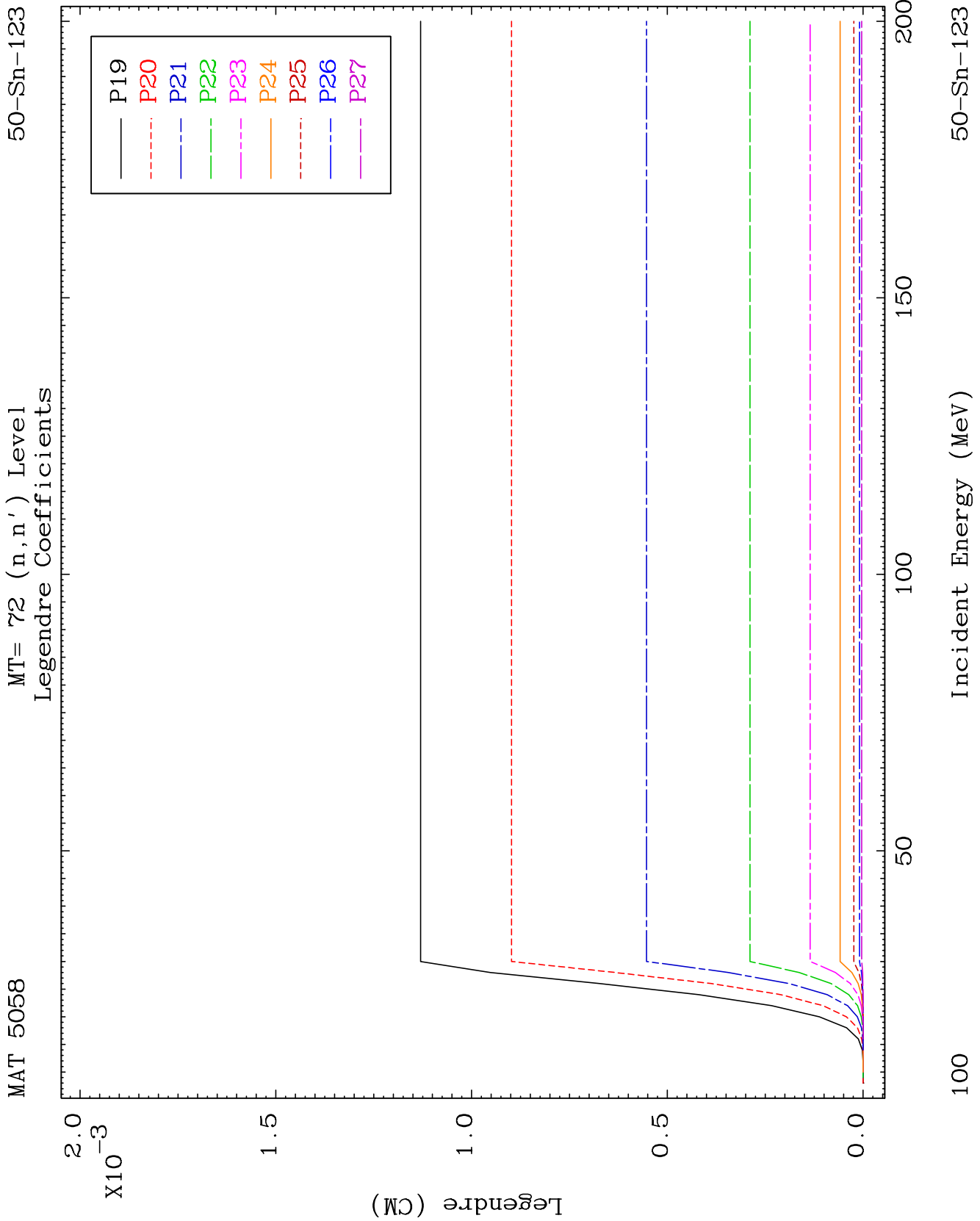
50-Sn-123



99

Incident Energy (MeV)

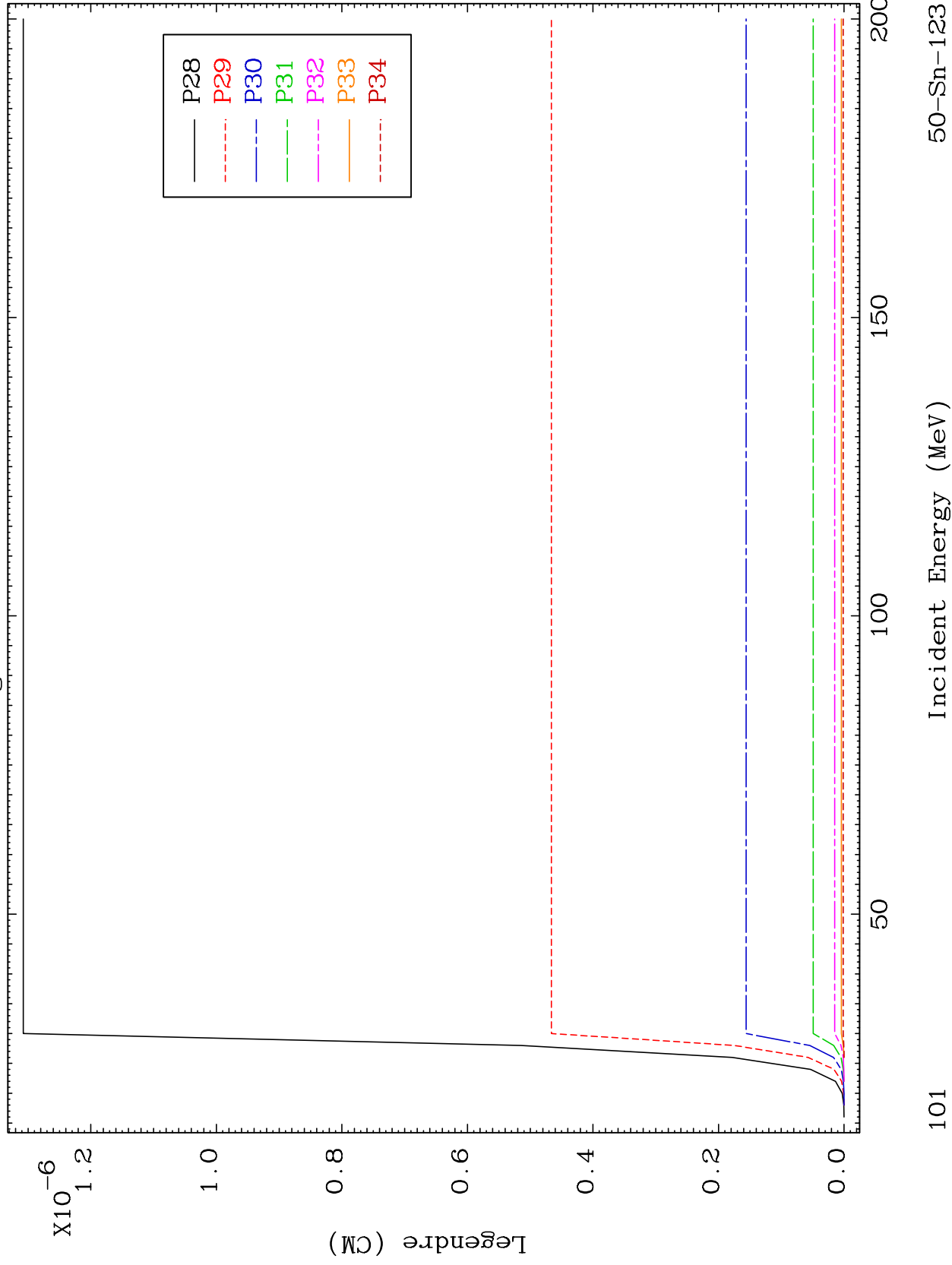
50-Sn-123



MAT 5058

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

50-Sn-123



101

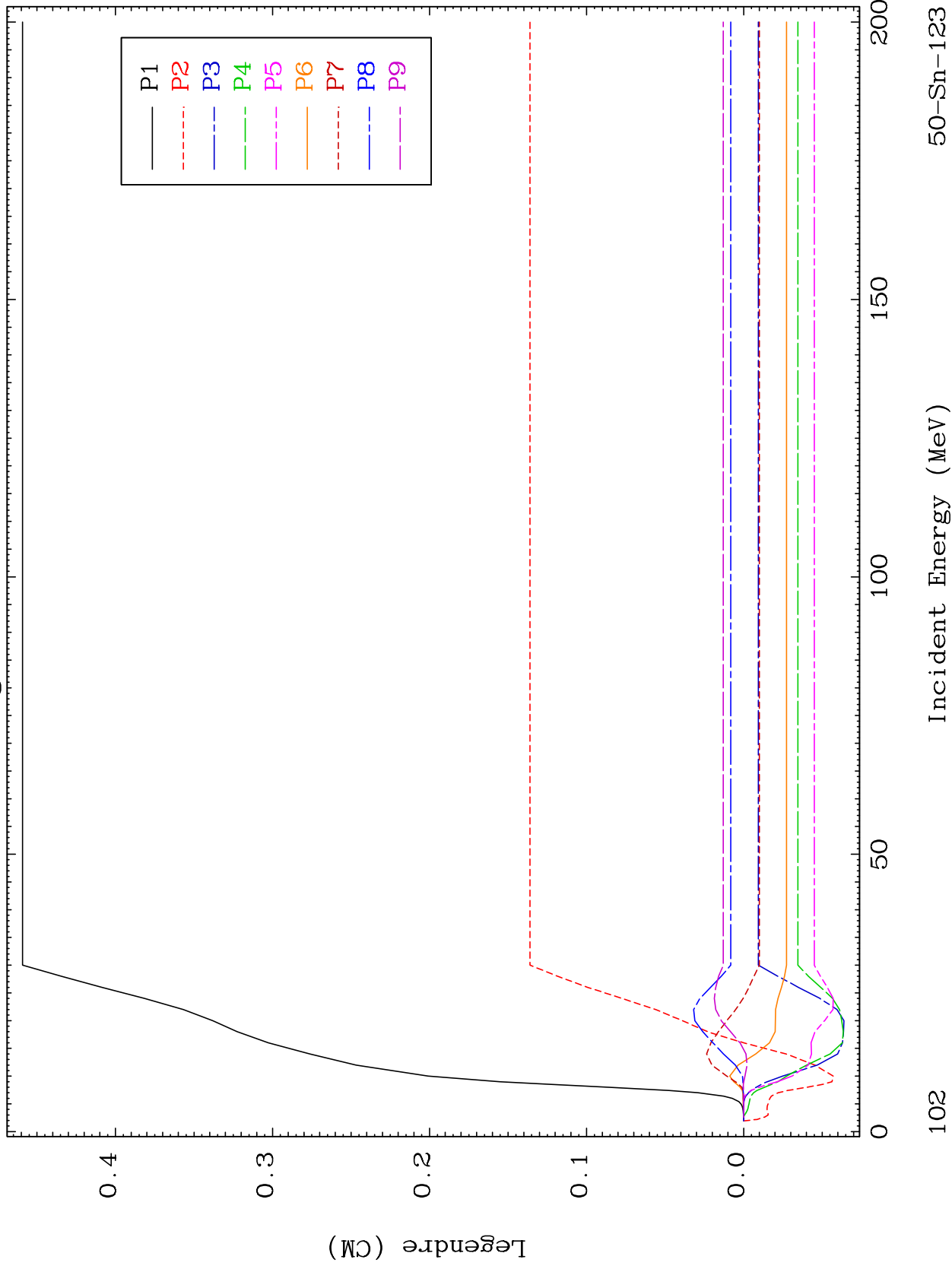
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



50-Sn-123

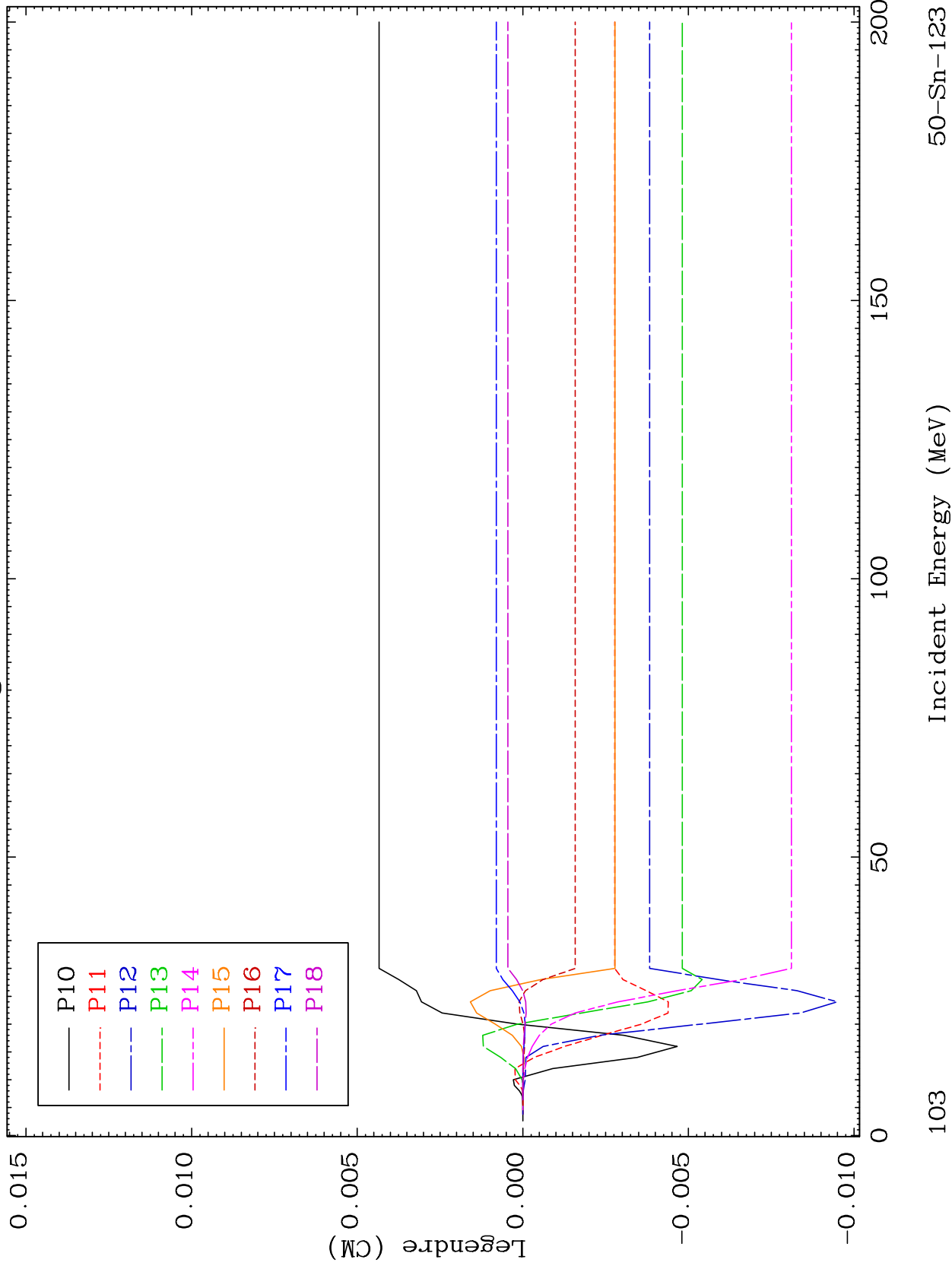
Incident Energy (MeV)

102

MAT 5058

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

50-Sn-123



103

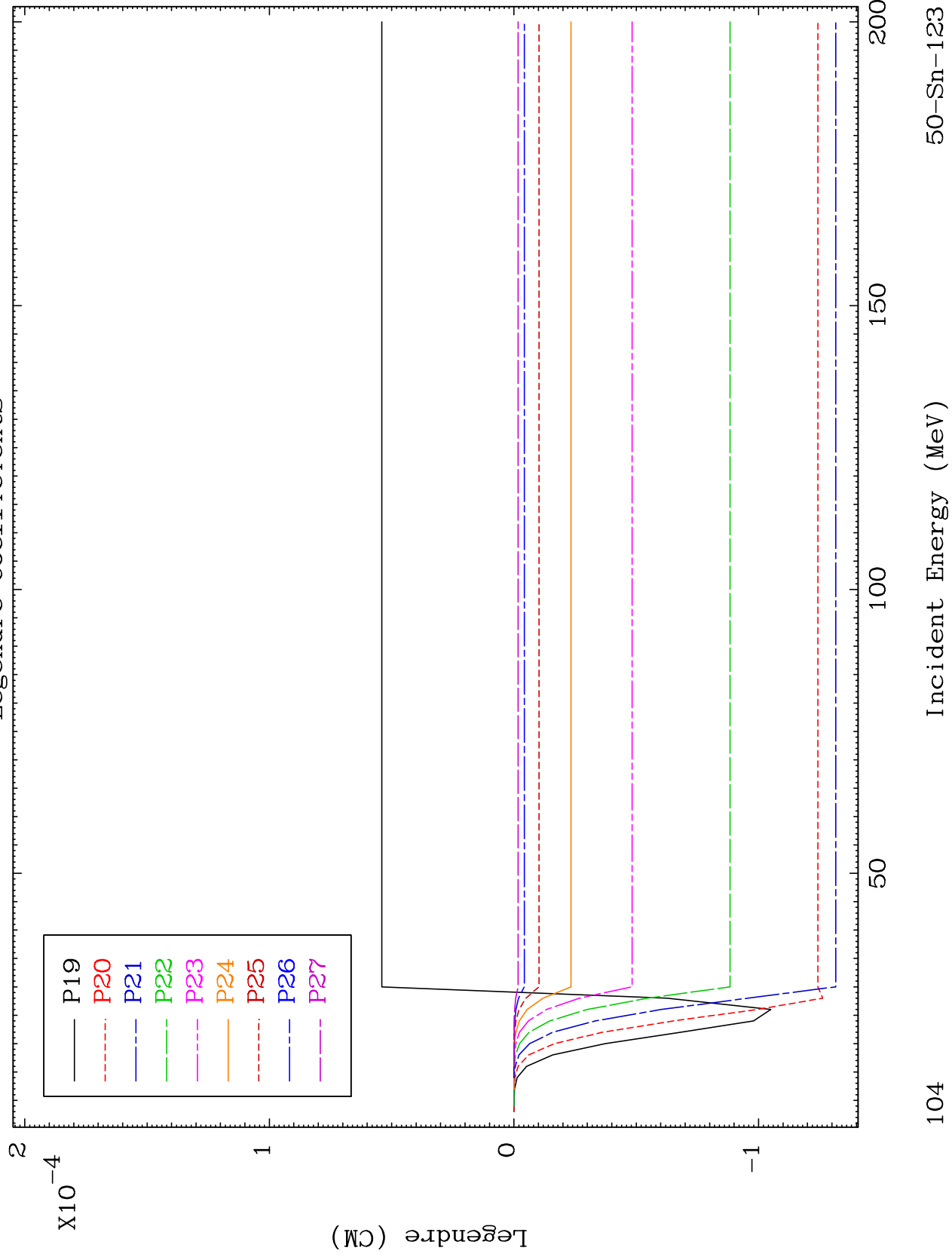
Incident Energy (MeV)

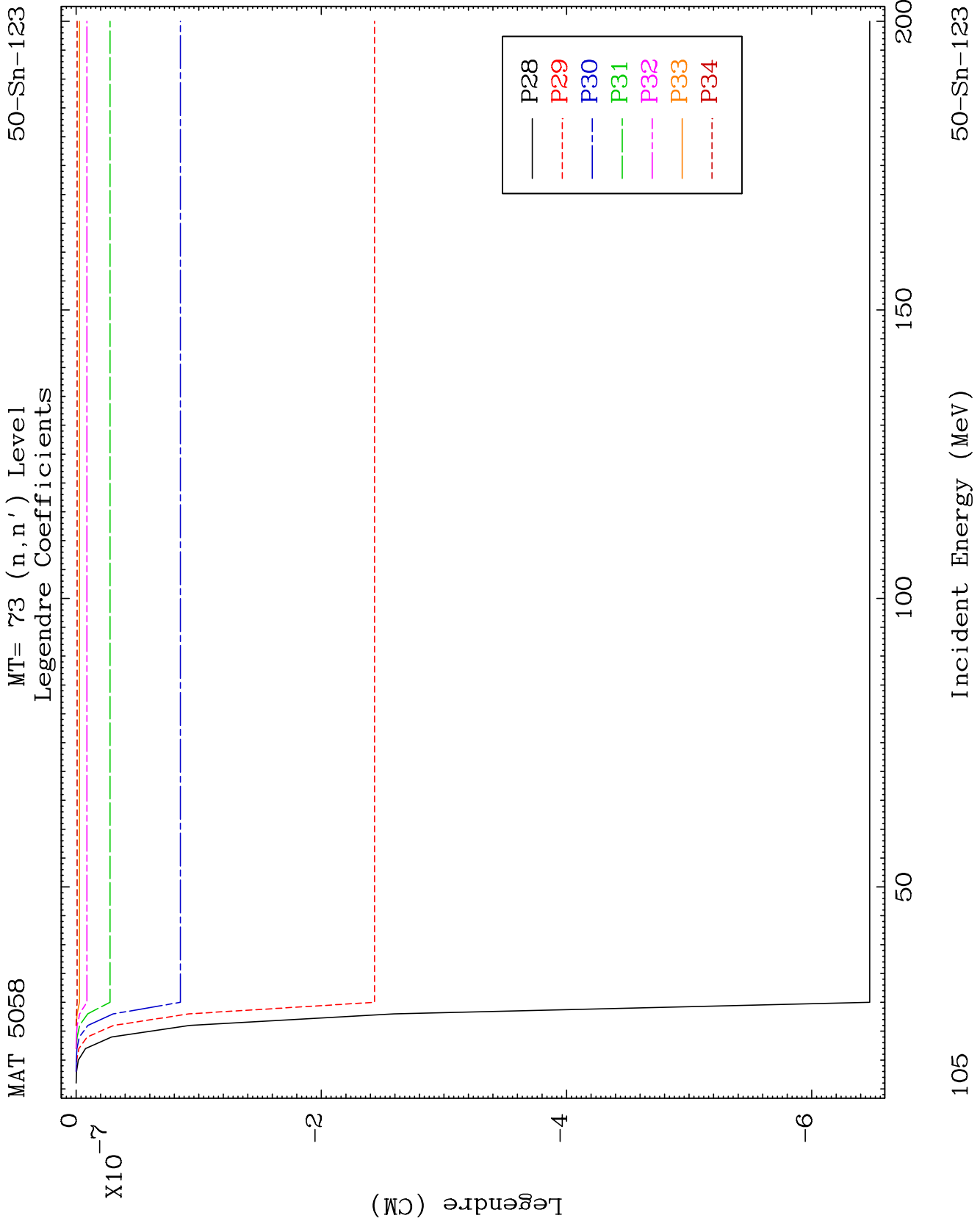
50-Sn-123

MAT 5058

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

50-Sn-123

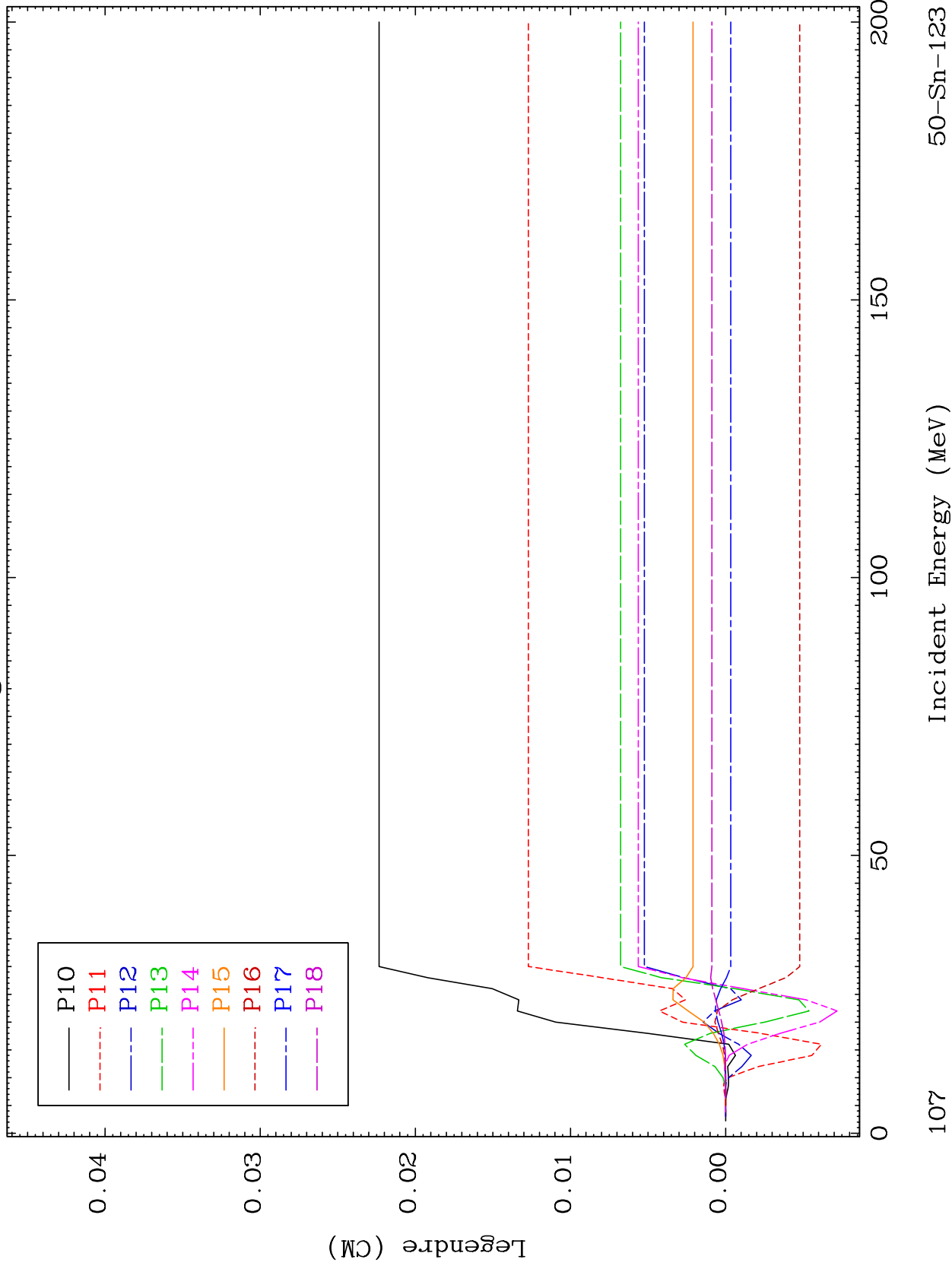




MAT 5058

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

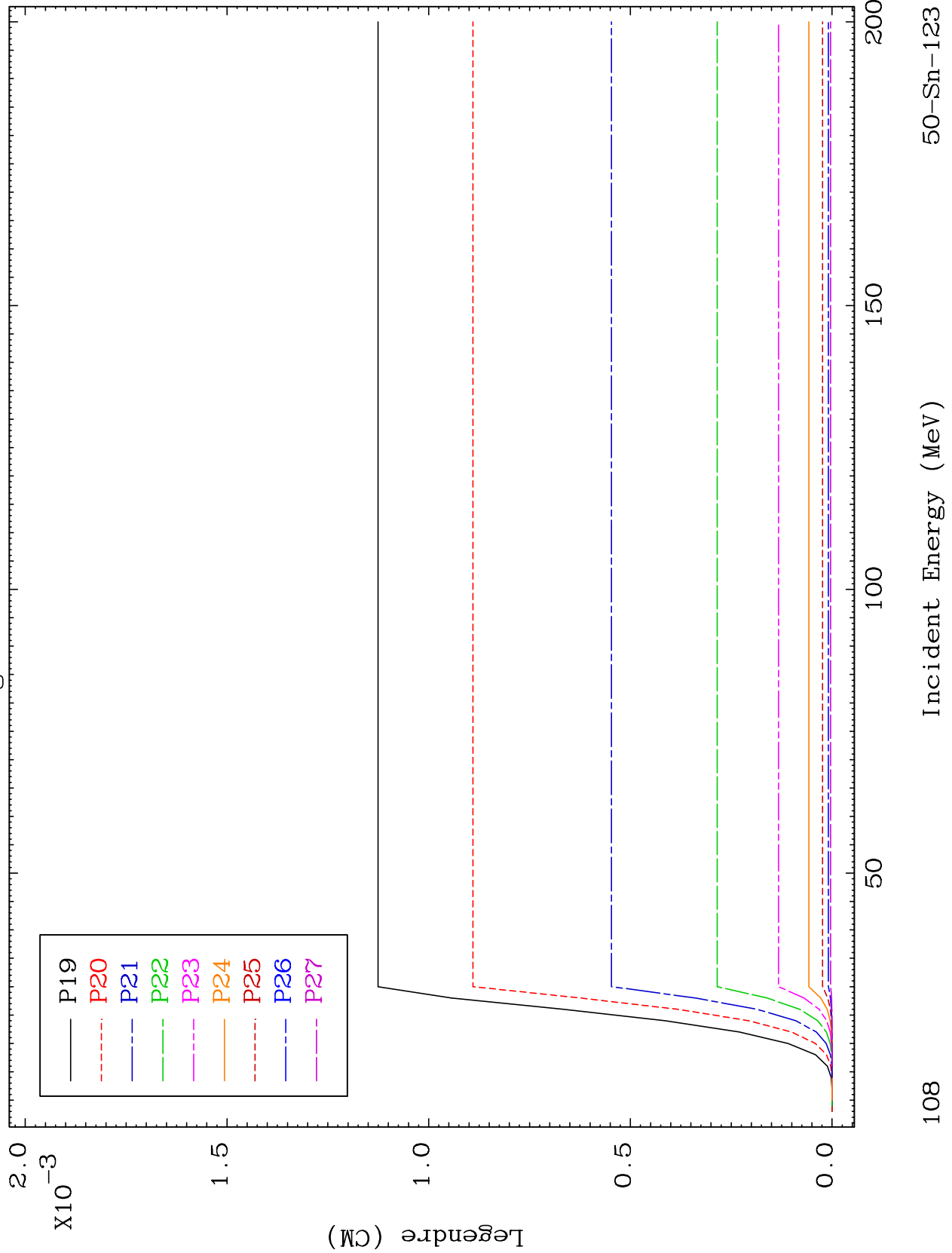
50-Sn-123



MAT 5058

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

50-Sn-123



108

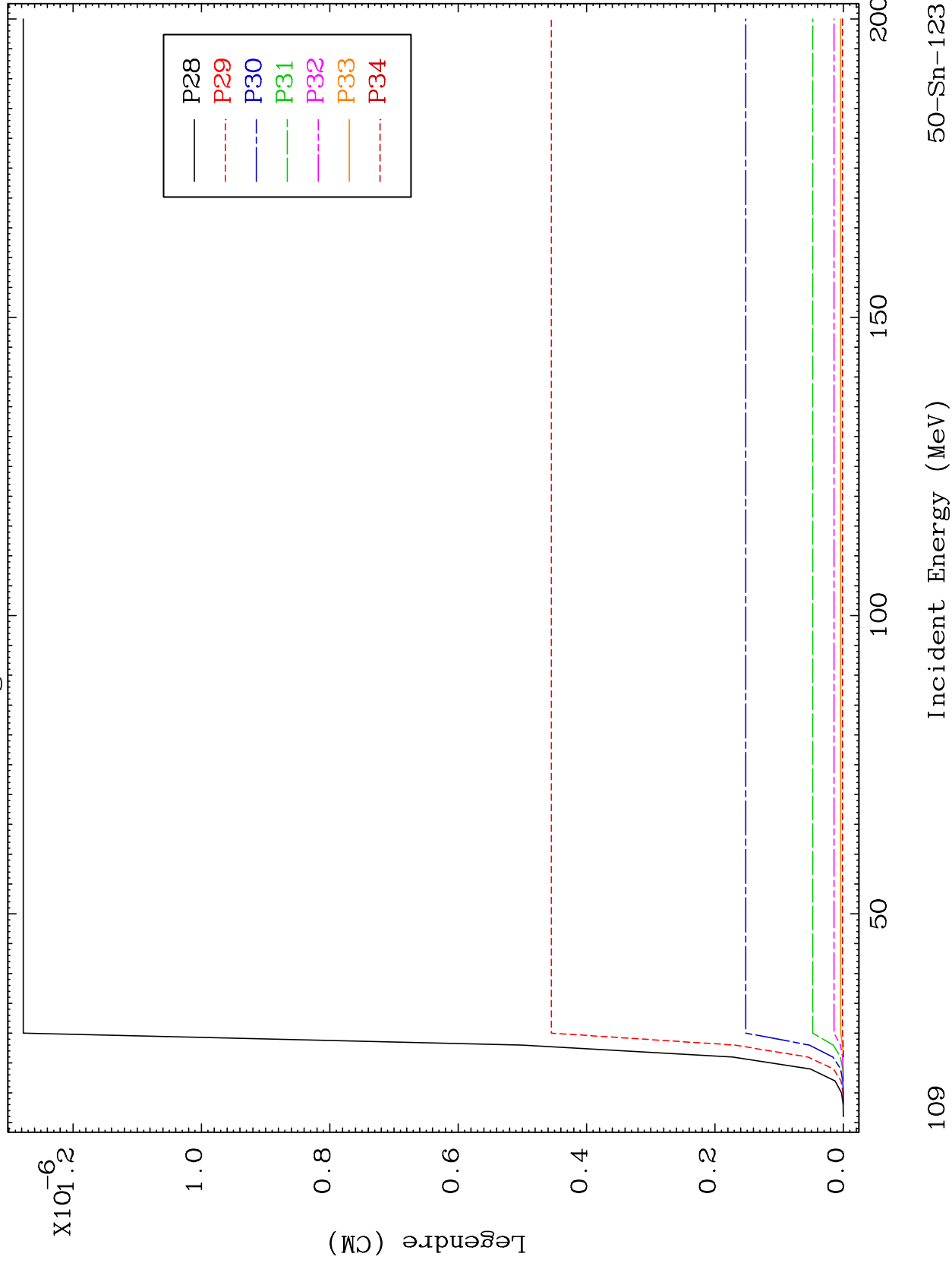
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



109

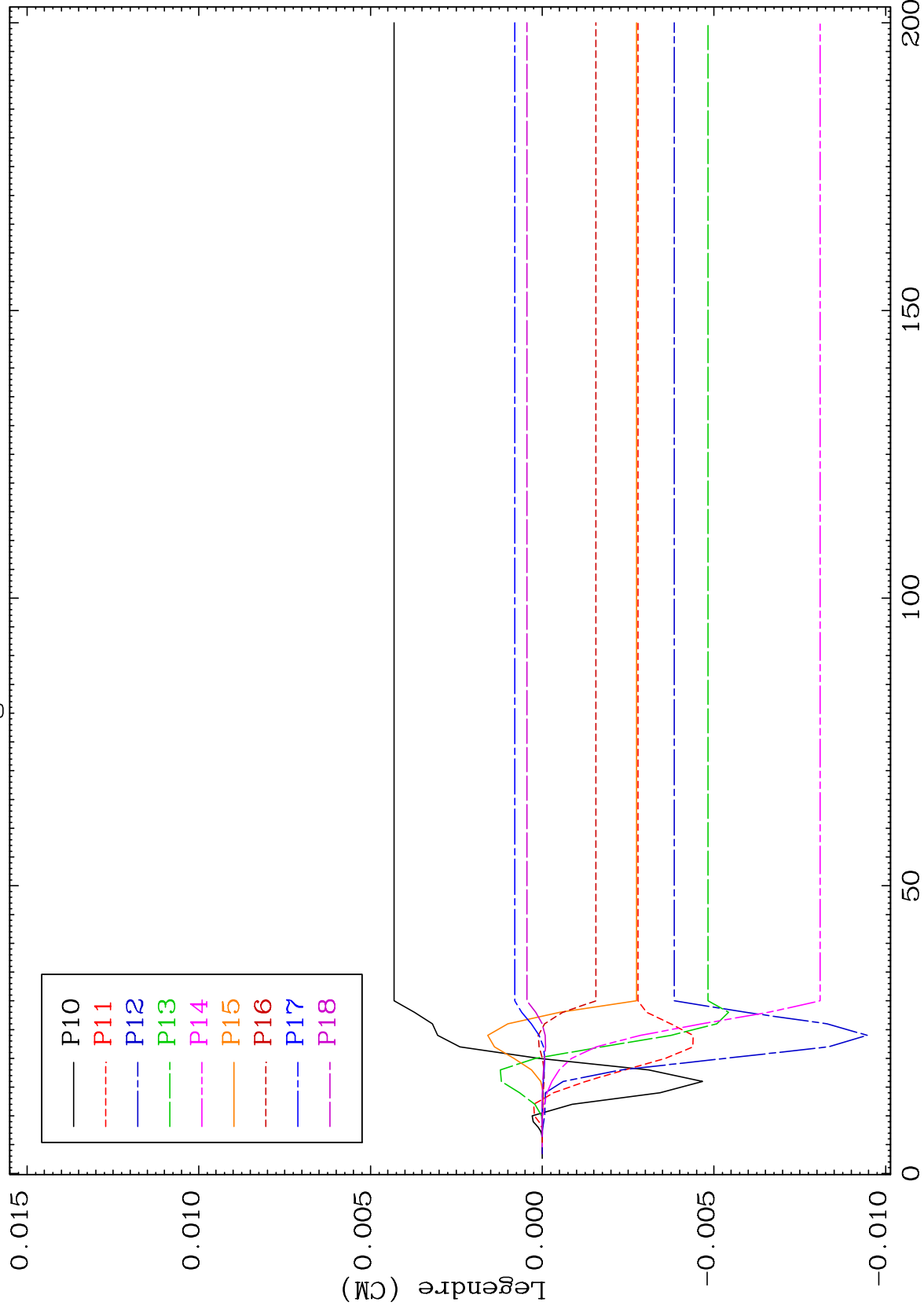
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



111

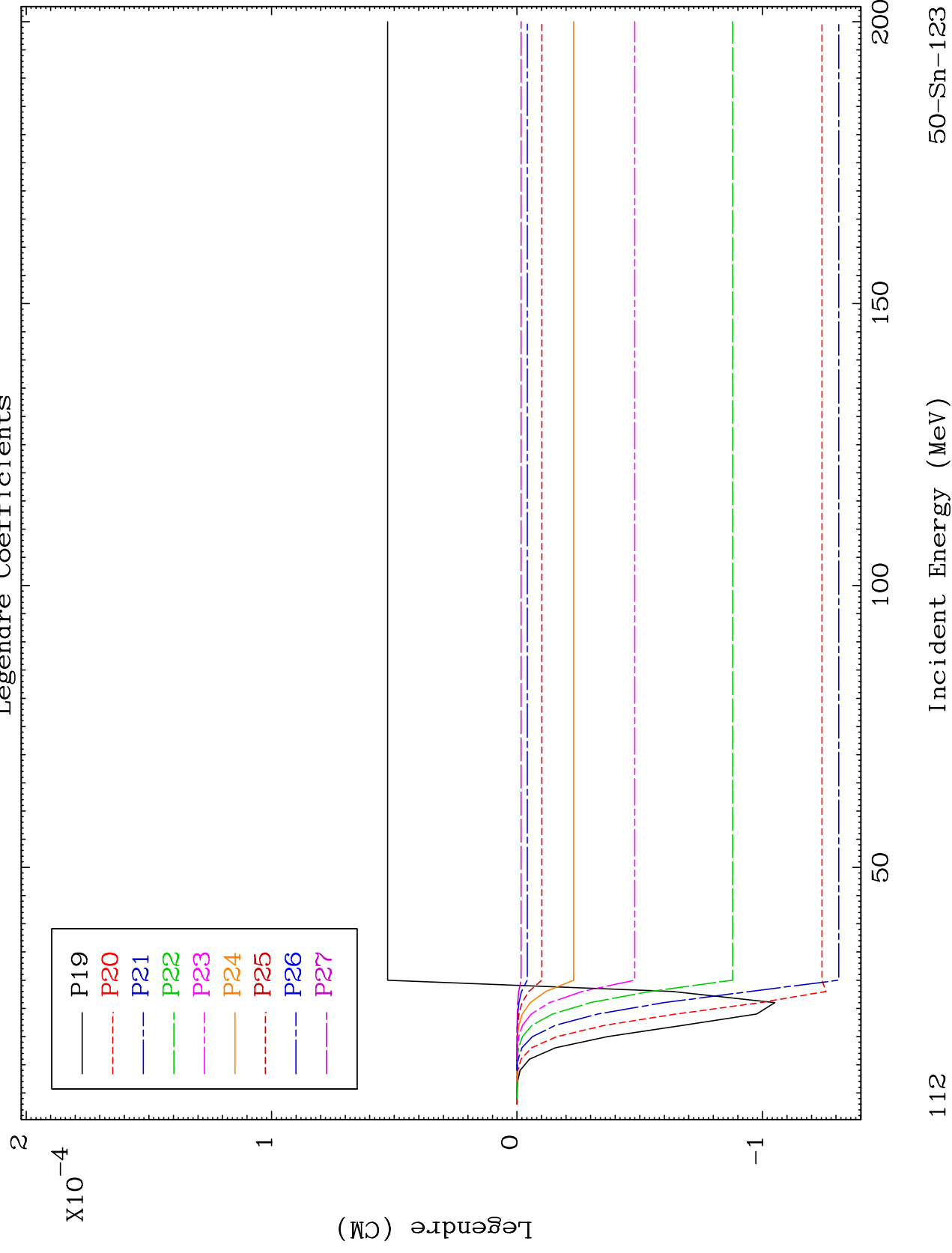
Incident Energy (MeV)

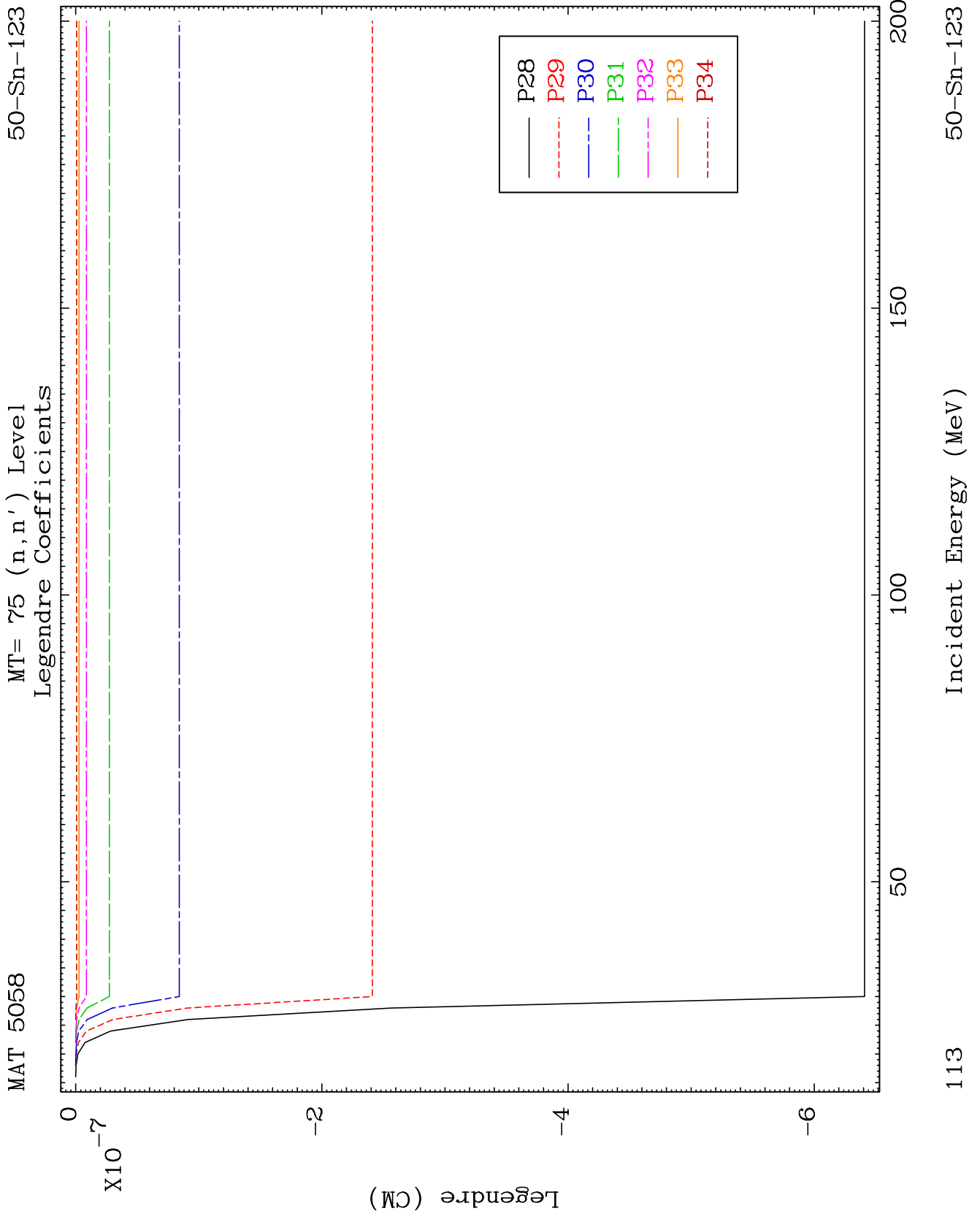
50-Sn-123

MAT 5058

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

50-Sn-123

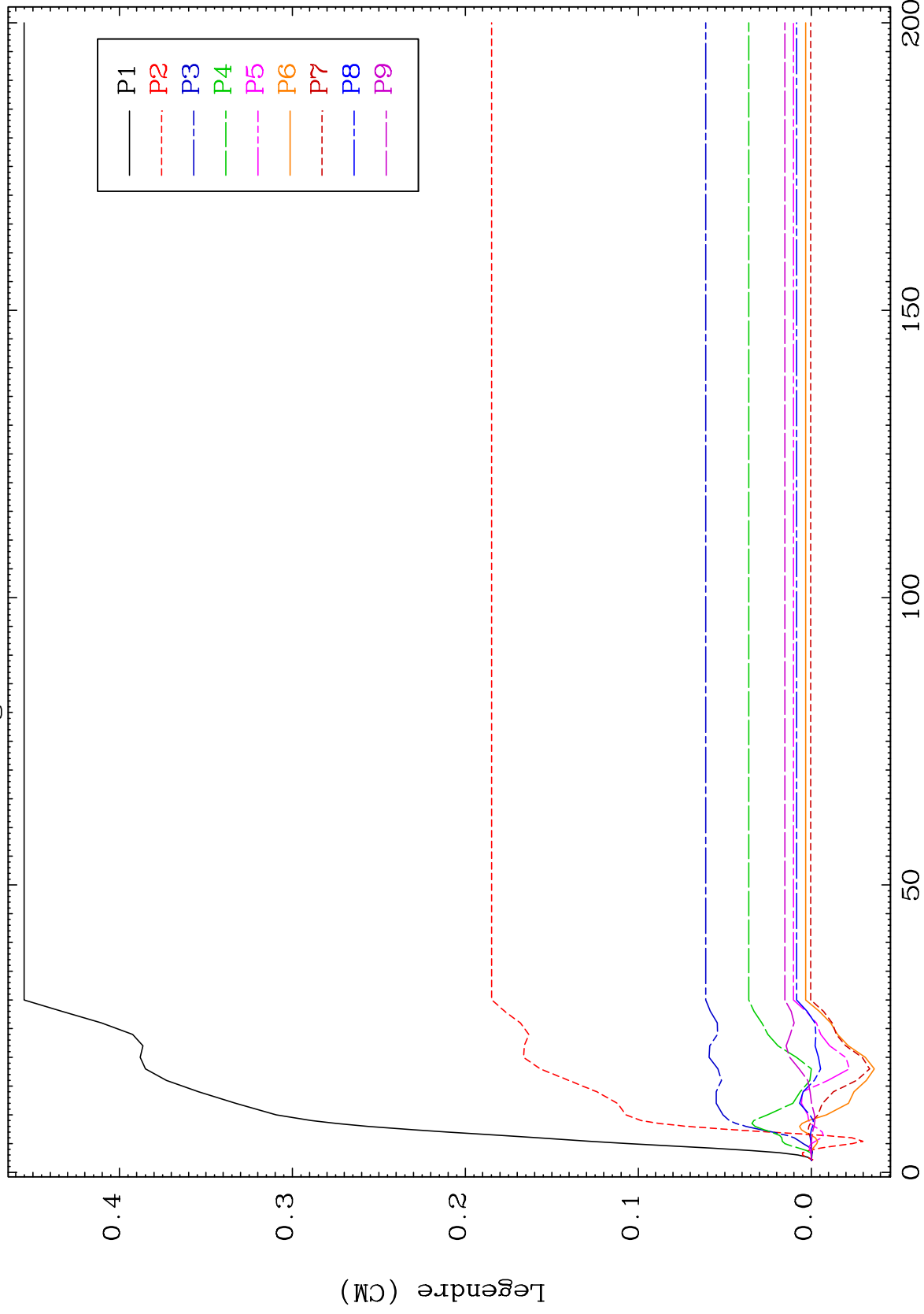




MAT 5058

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

50-Sn-123



50-Sn-123

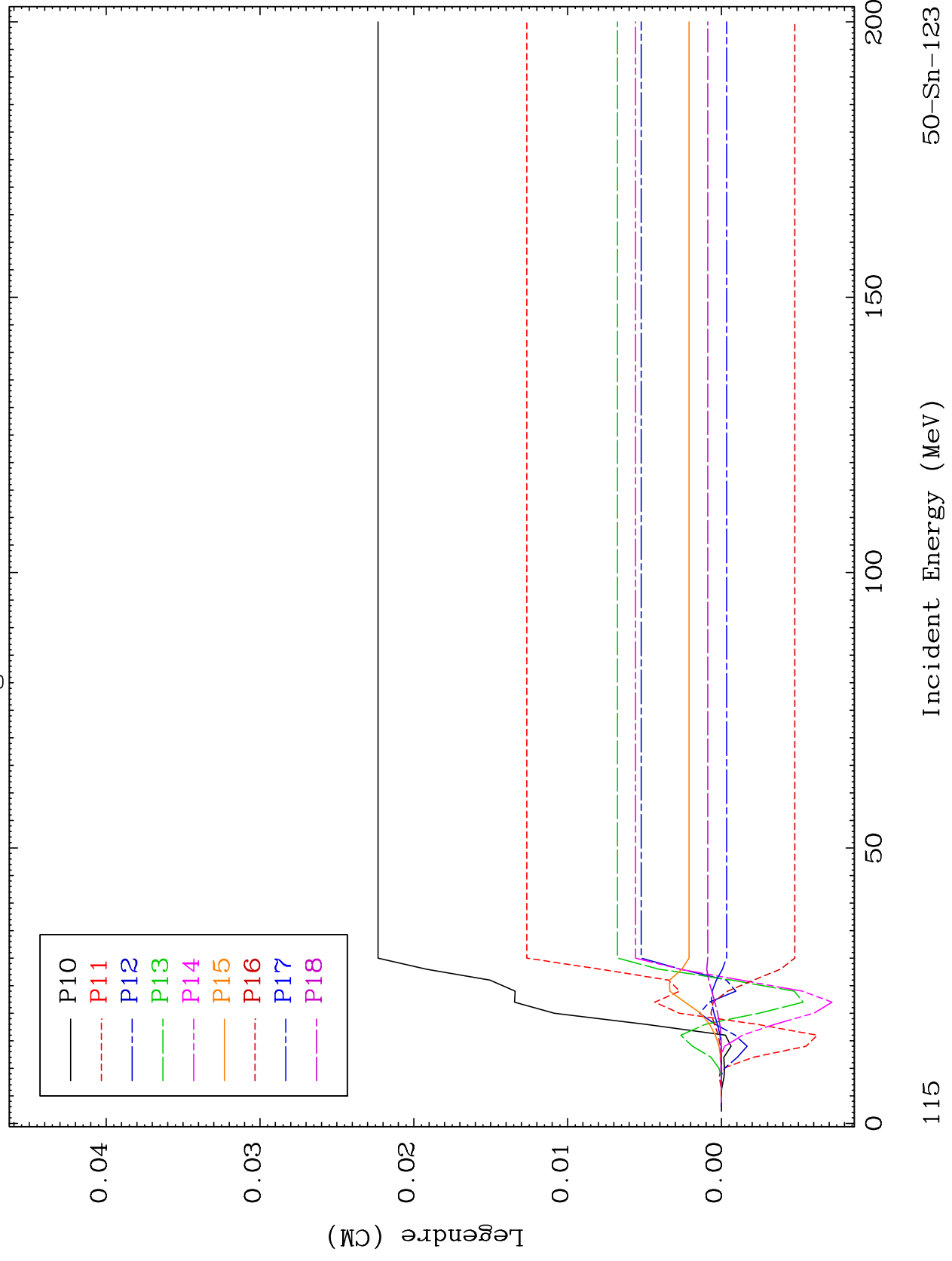
Incident Energy (MeV)

114

MAT 5058

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

50-Sn-123



50-Sn-123

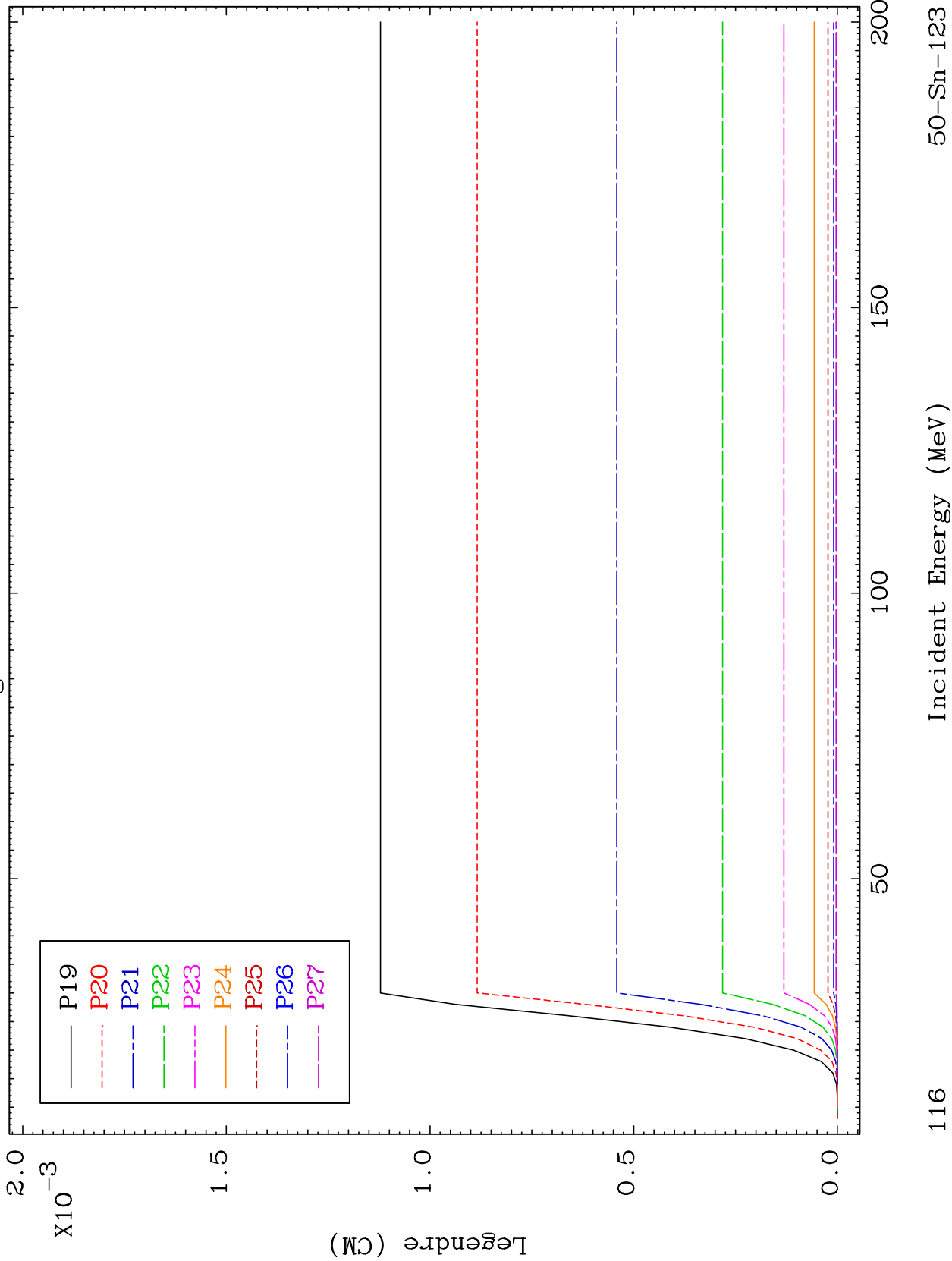
Incident Energy (MeV)

115

MAT 5058

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

50-Sn-123



116

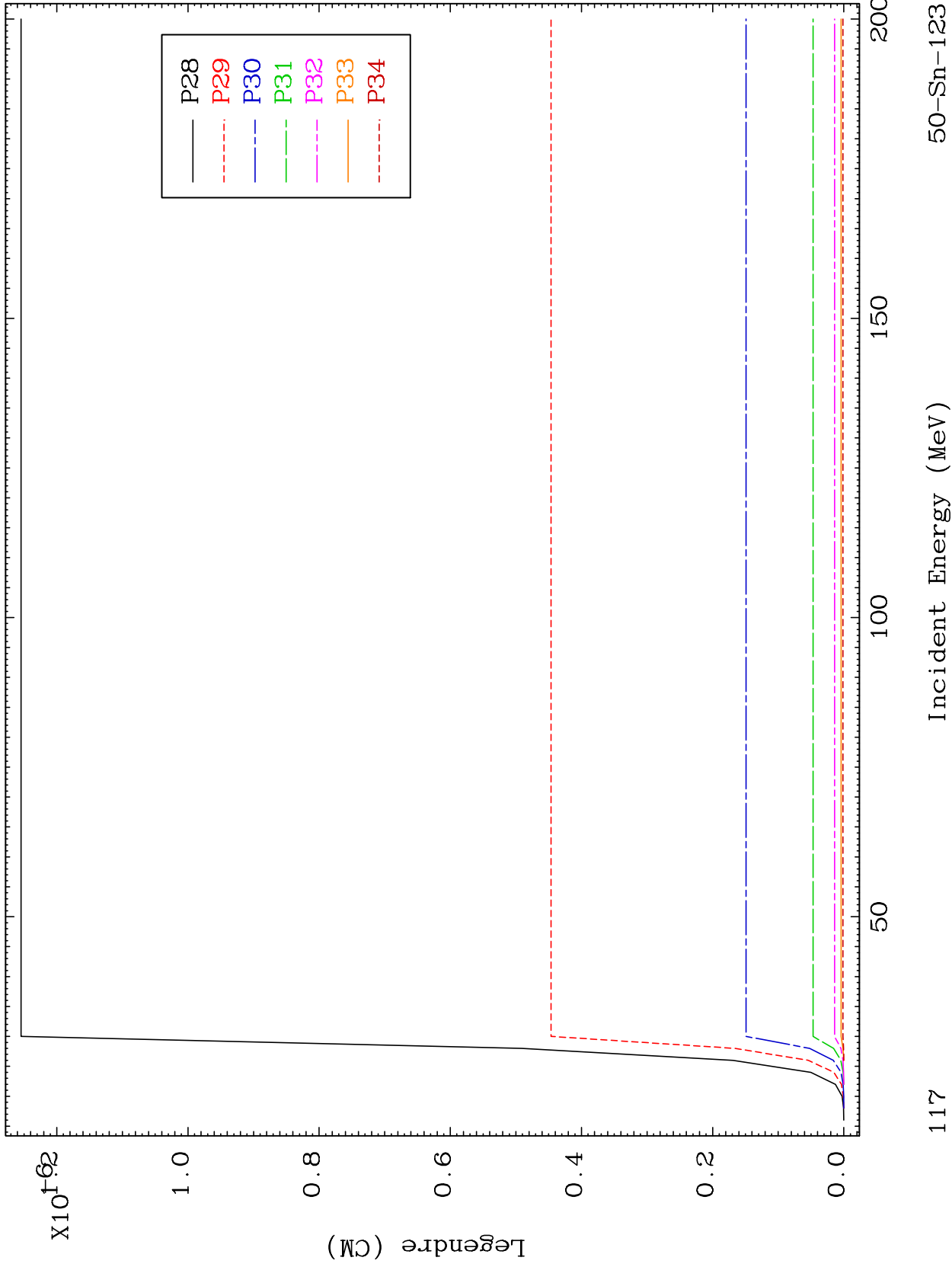
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



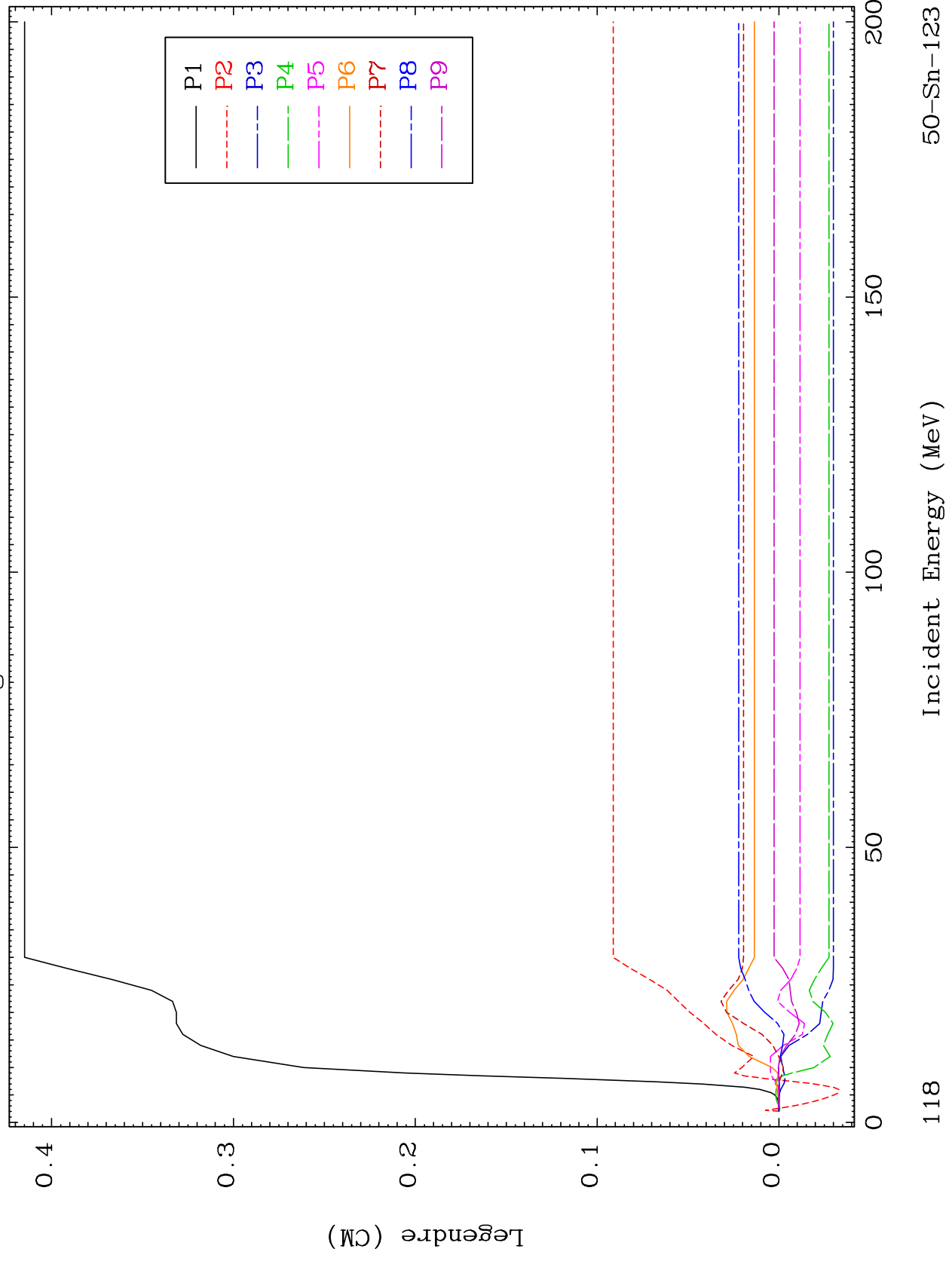
117

50-Sn-123

MAT 5058

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

50-Sn-123



50-Sn-123

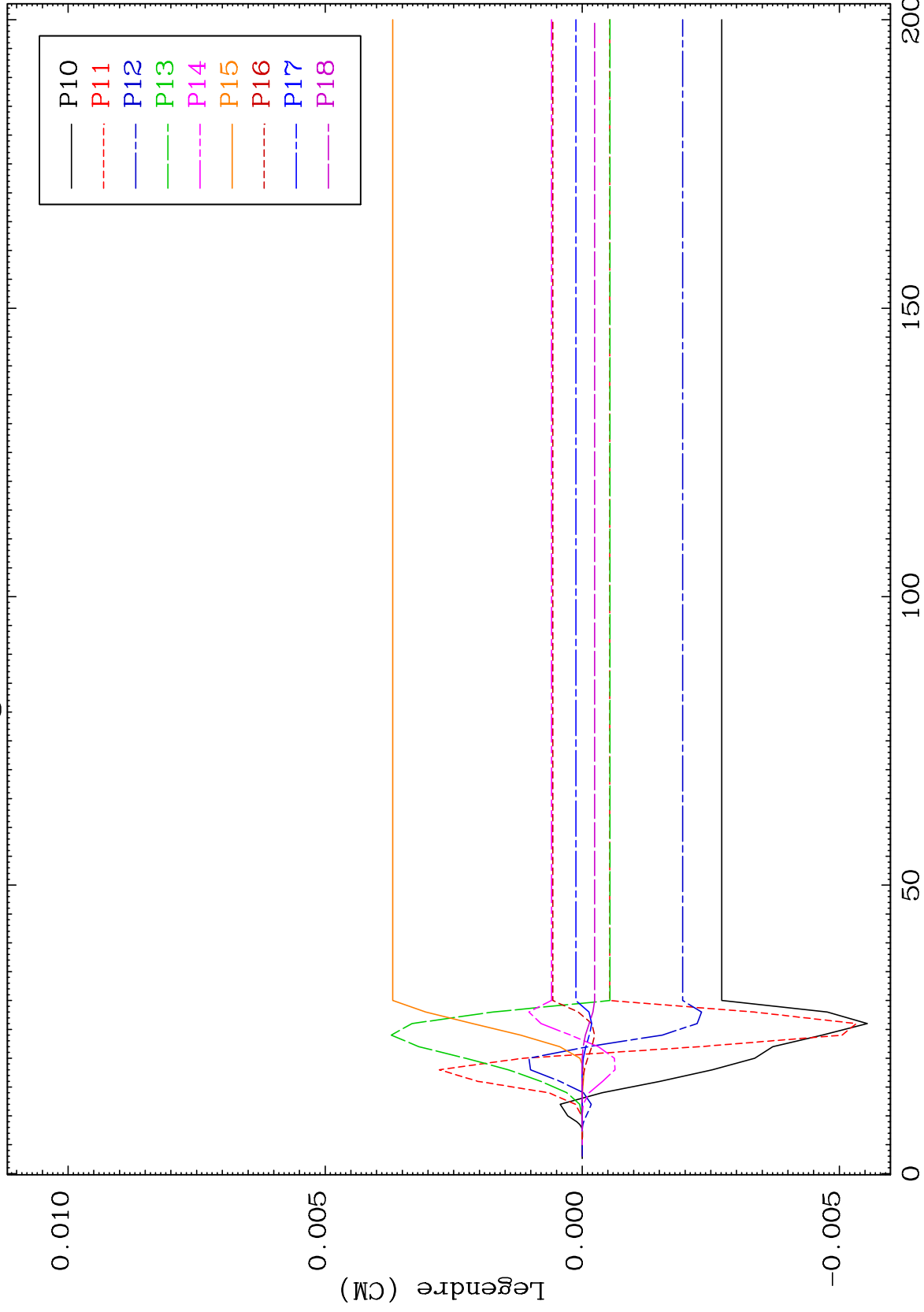
Incident Energy (MeV)

118

MAT 5058

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

50-Sn-123



119

Incident Energy (MeV)

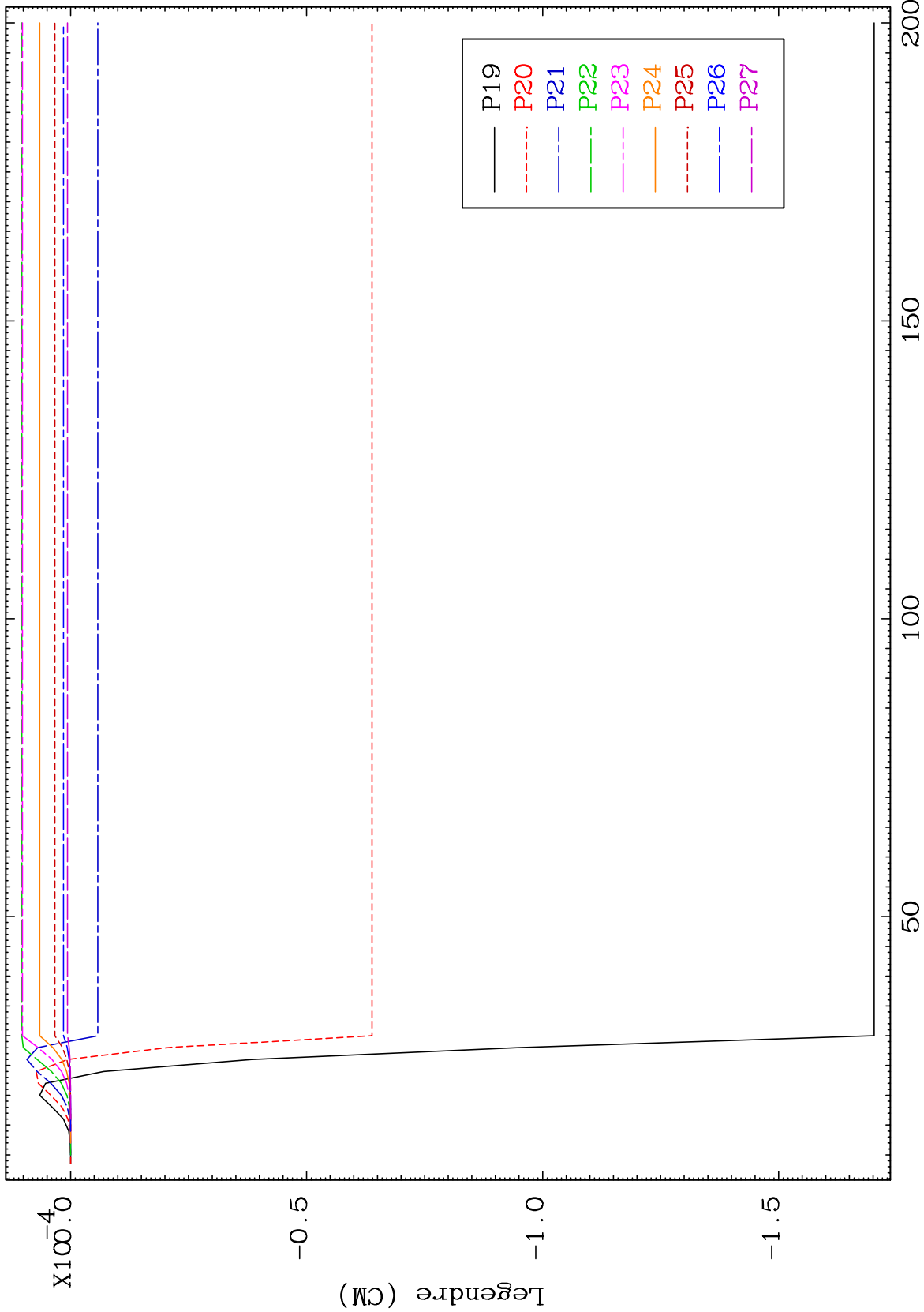
50-Sn-123

MAT 5058

MT= 77 (n,n') Level

50-Sn-123

Legendre Coefficients



120

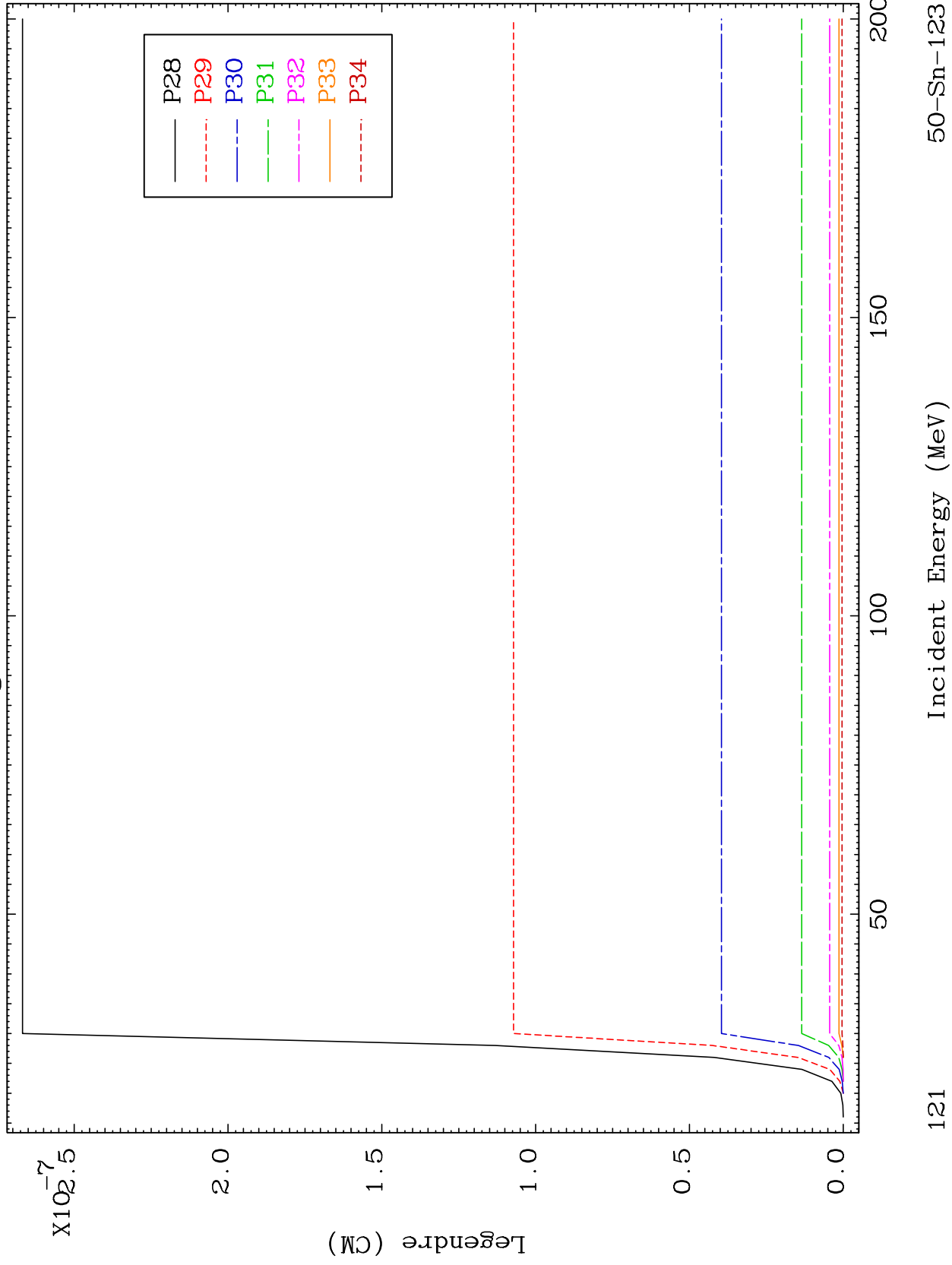
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

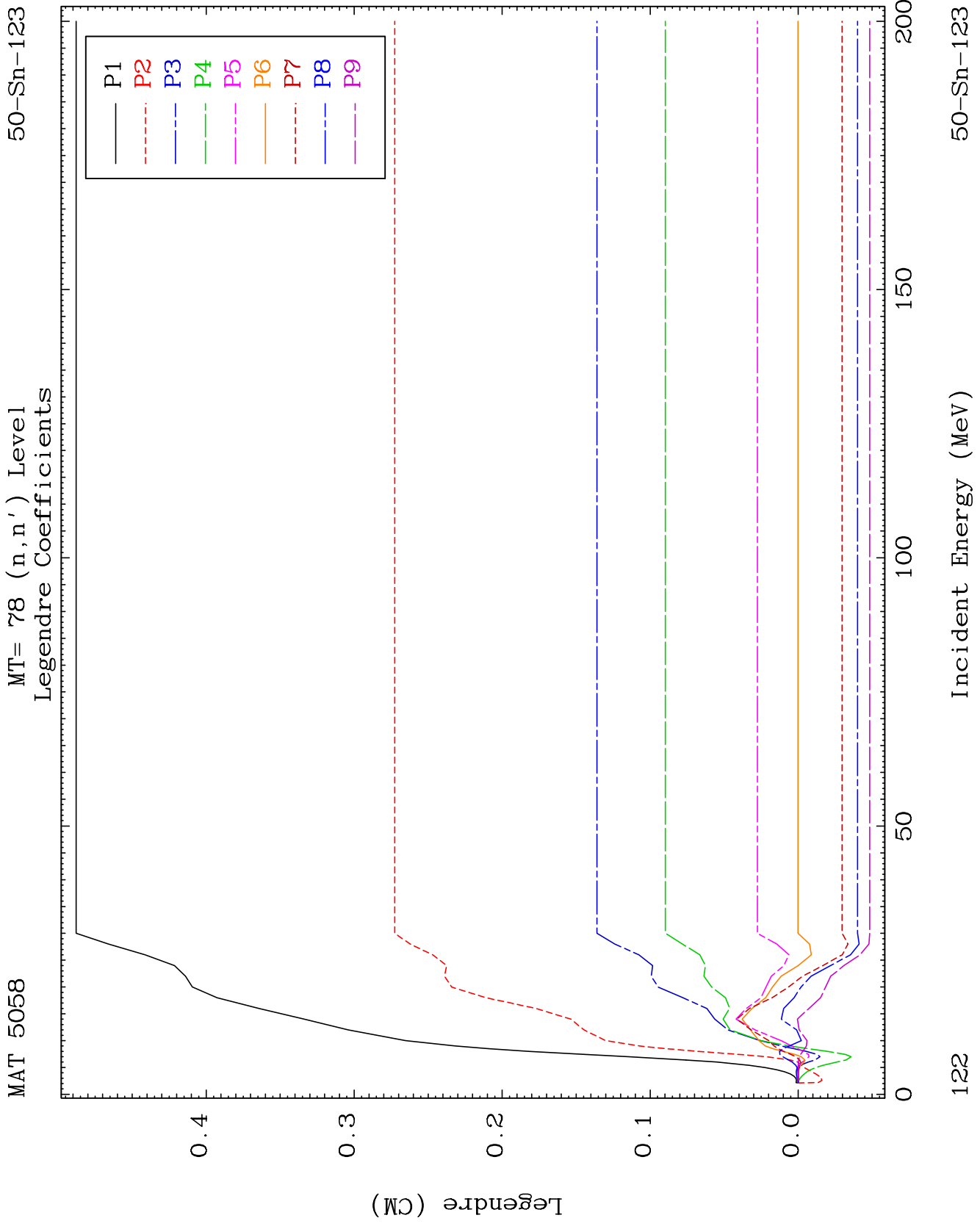
50-Sn-123



121

Incident Energy (MeV)

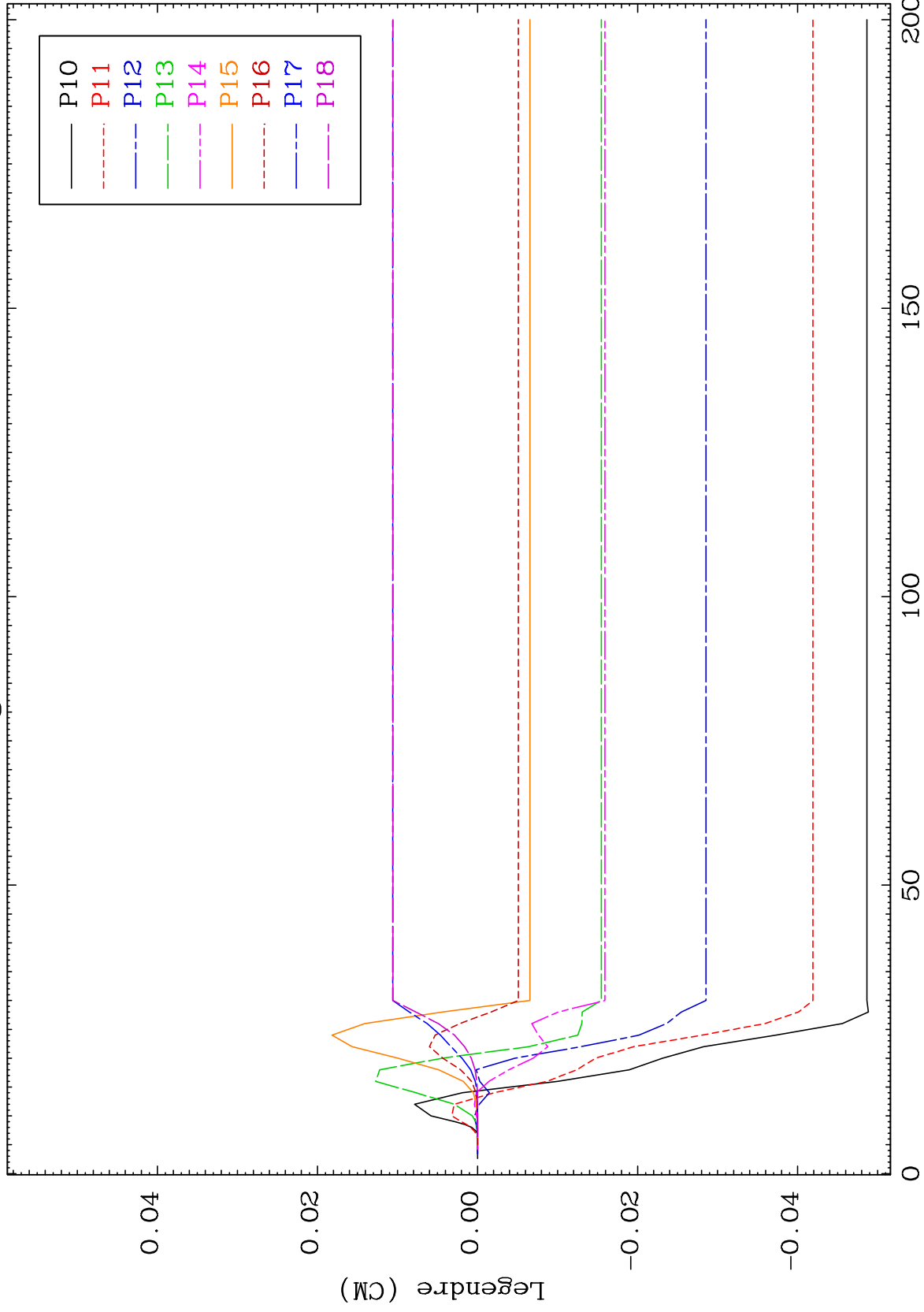
50-Sn-123



MAT 5058

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

50-Sn-123



123

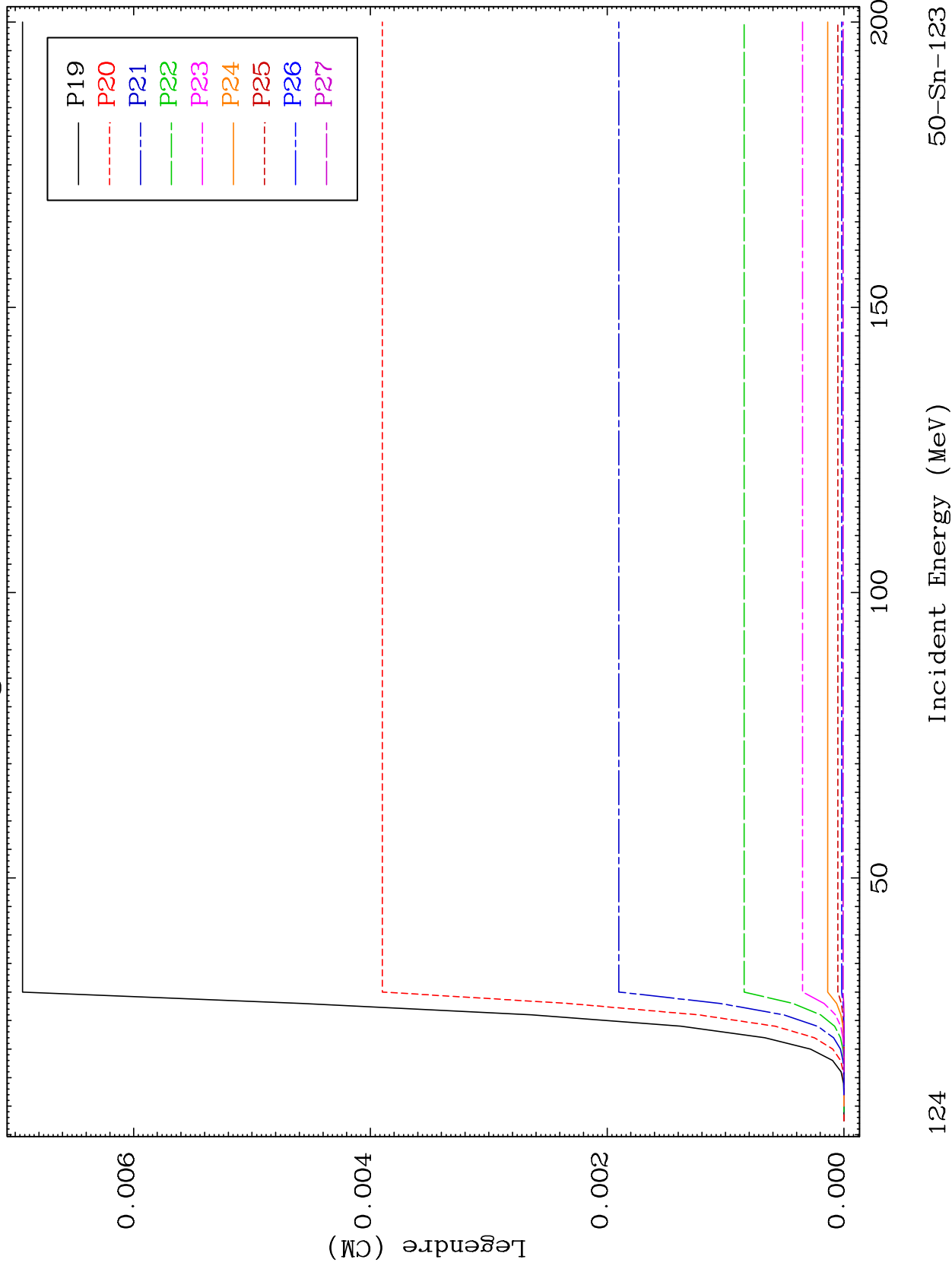
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



124

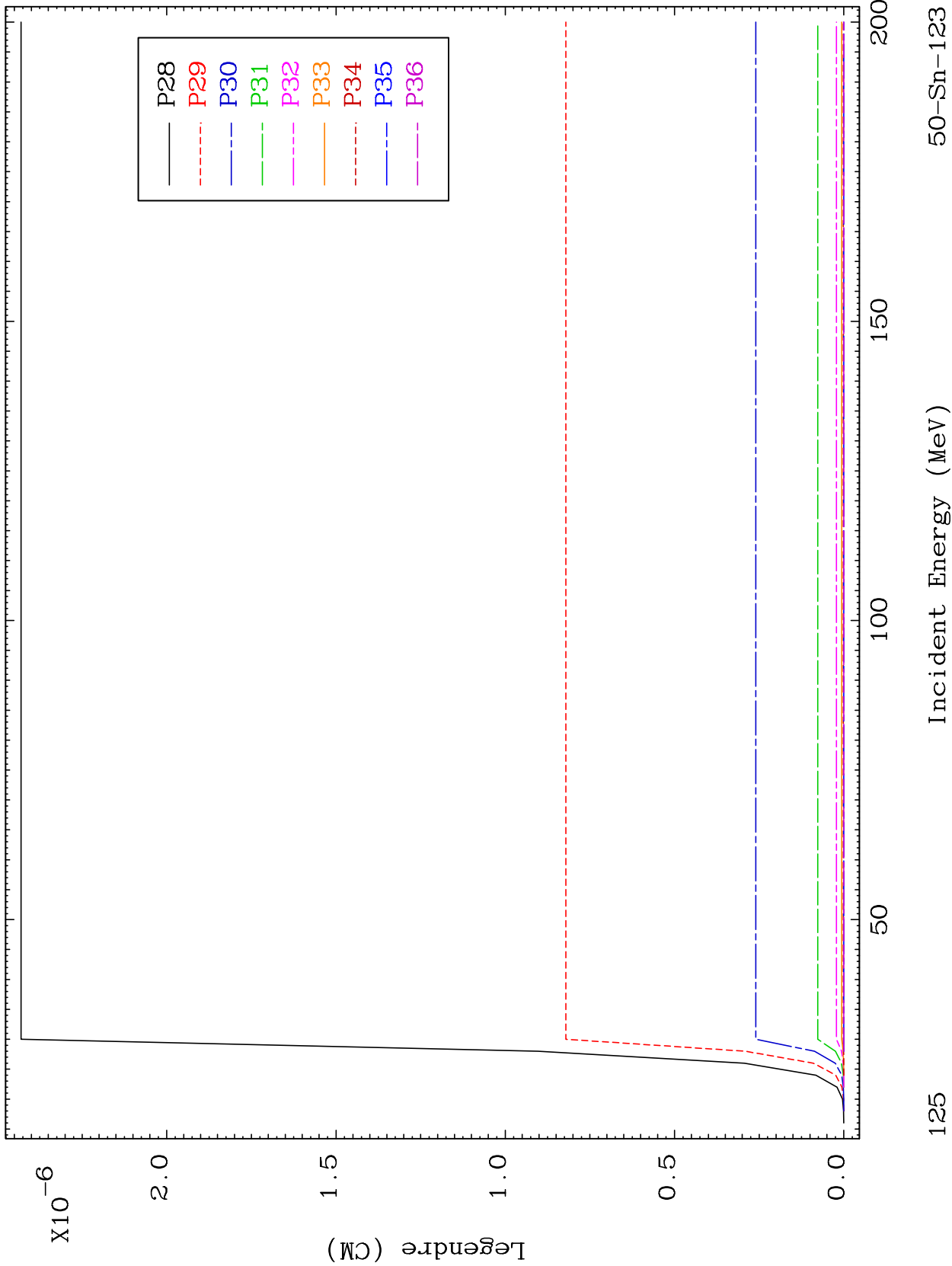
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

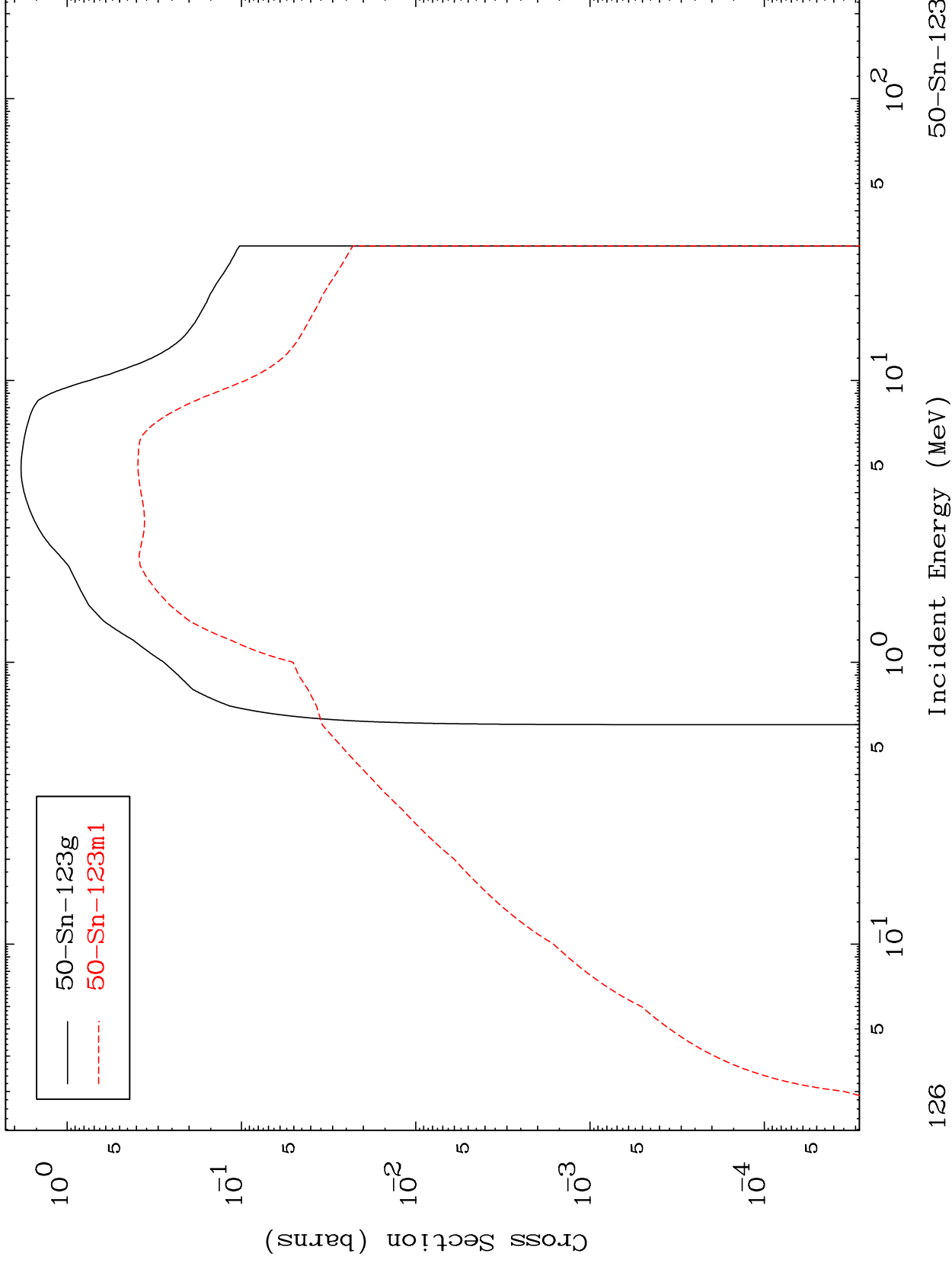
50-Sn-123



MAT 5058

Radionuclide Production Cross Section

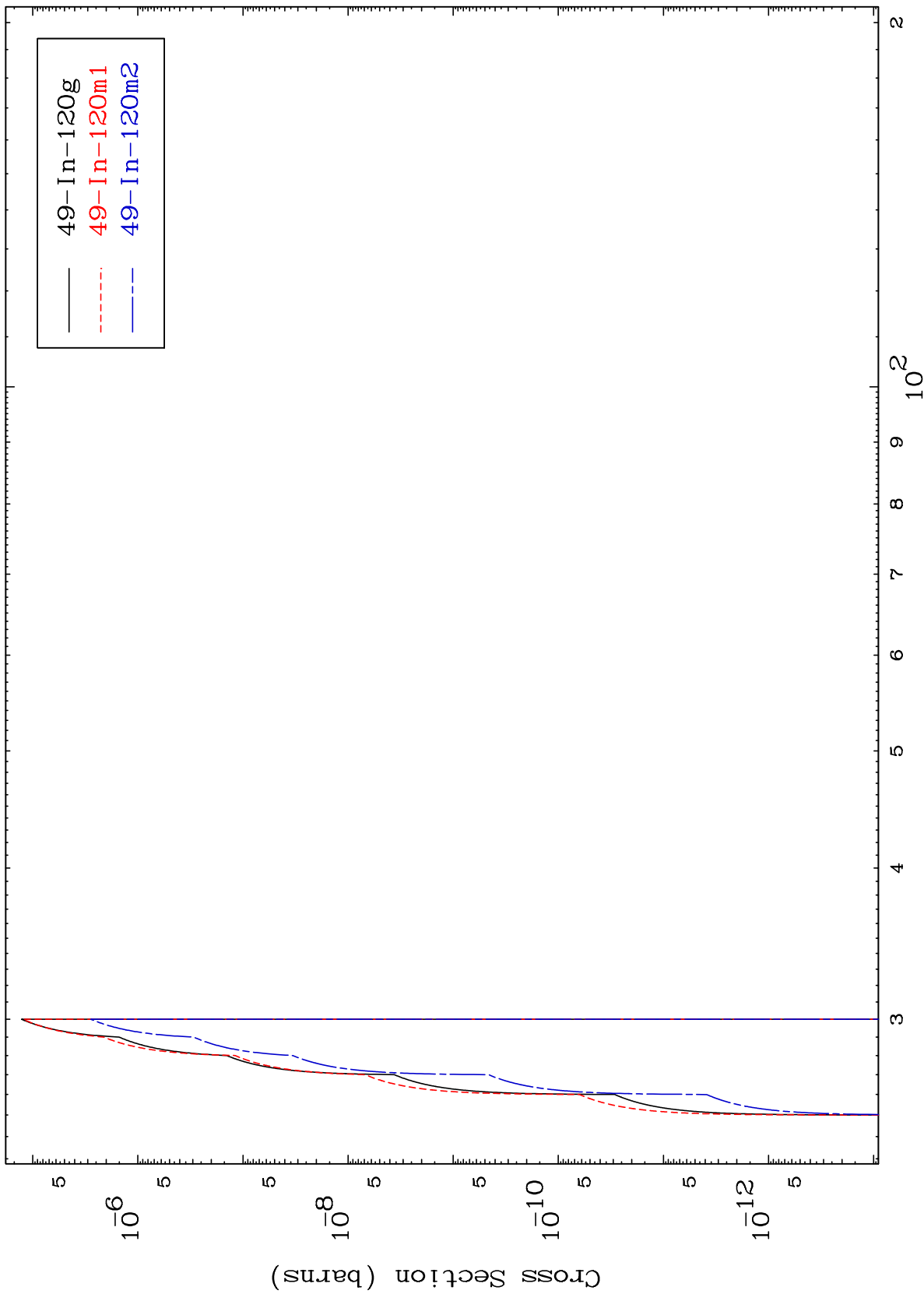
50-Sn-123



126

50-Sn-123

Radionuclide Production Cross Section

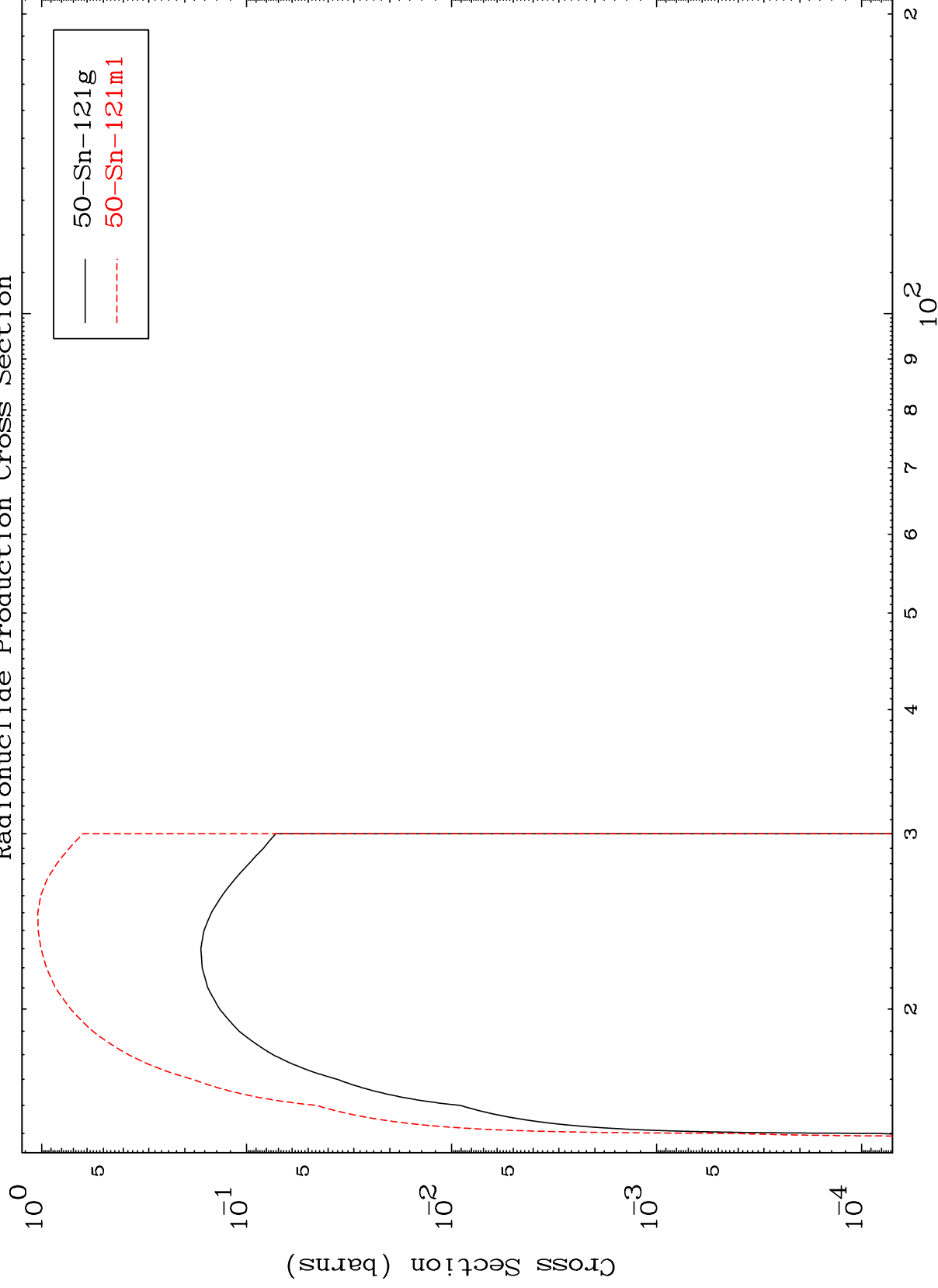


MAT 5058

(n,3n)

50-Sn-123

Radionuclide Production Cross Section



128

Incident Energy (MeV)

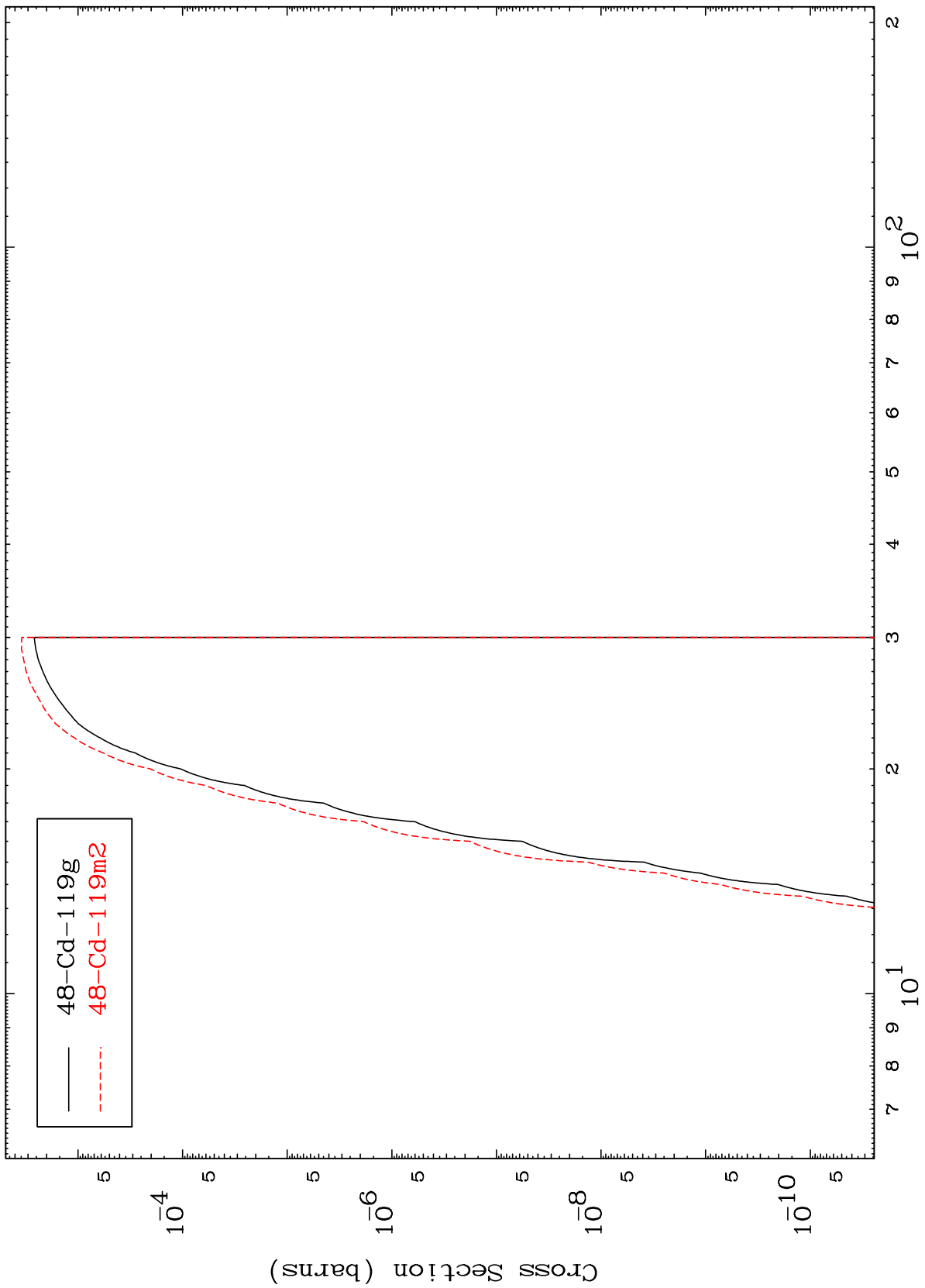
50-Sn-123

MAT 5058

50-Sn-123

(n,n') α

Radionuclide Production Cross Section



129

Incident Energy (MeV)

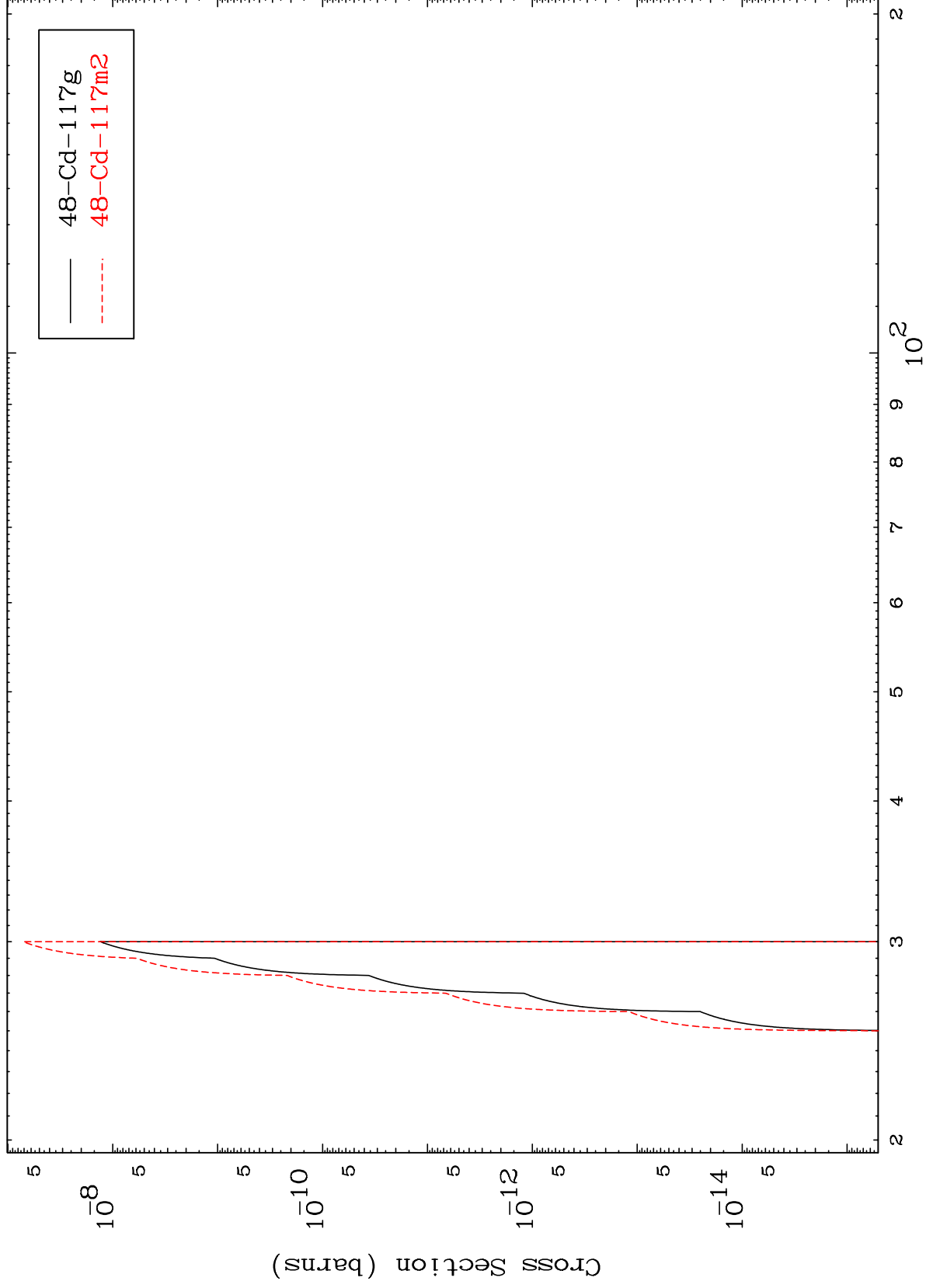
50-Sn-123

MAT 5058

(n,3n) α

50-Sn-123

Radionuclide Production Cross Section



130

Incident Energy (MeV)

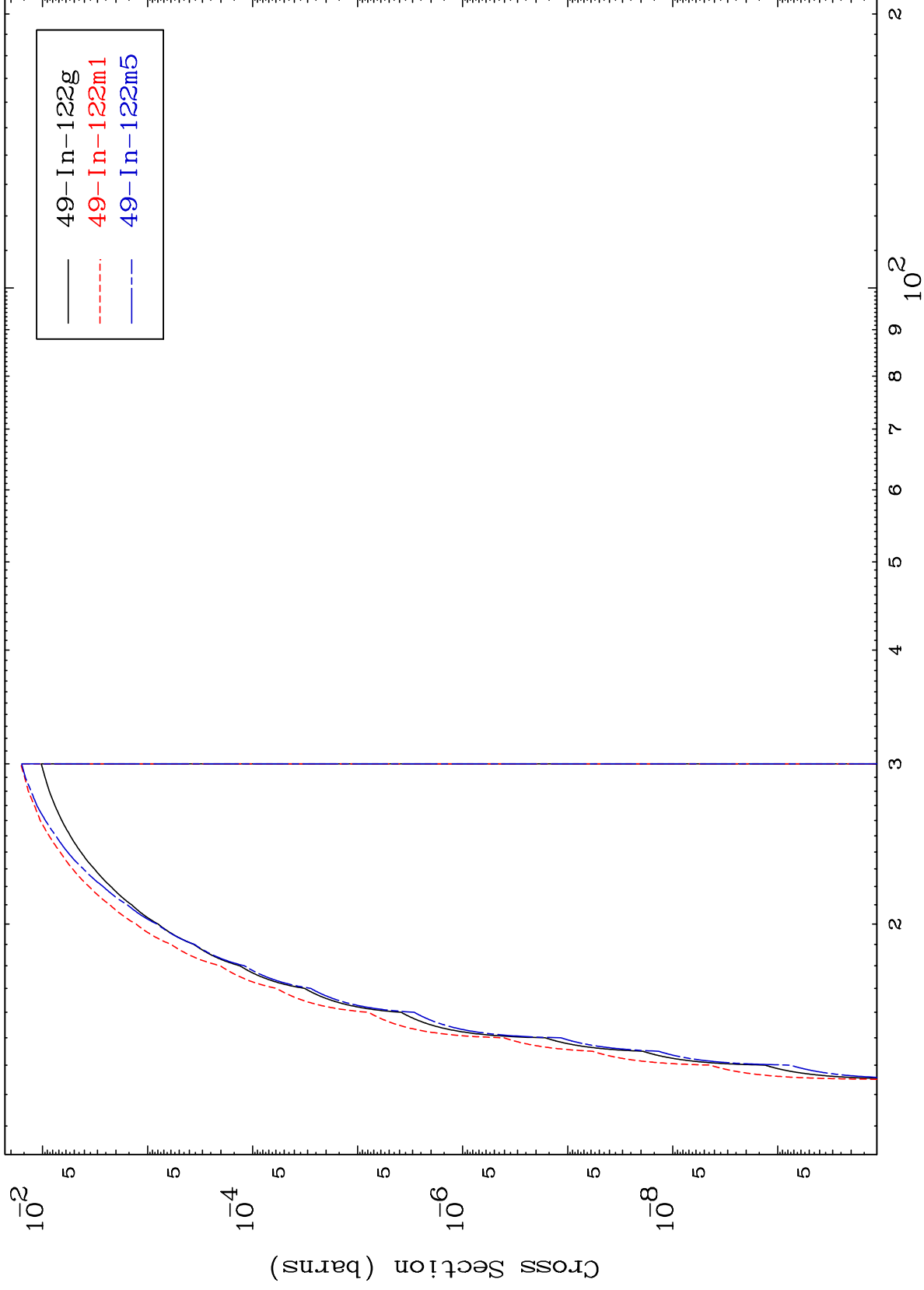
50-Sn-123

MAT 5058

(n,n') p

50-Sn-123

Radionuclide Production Cross Section

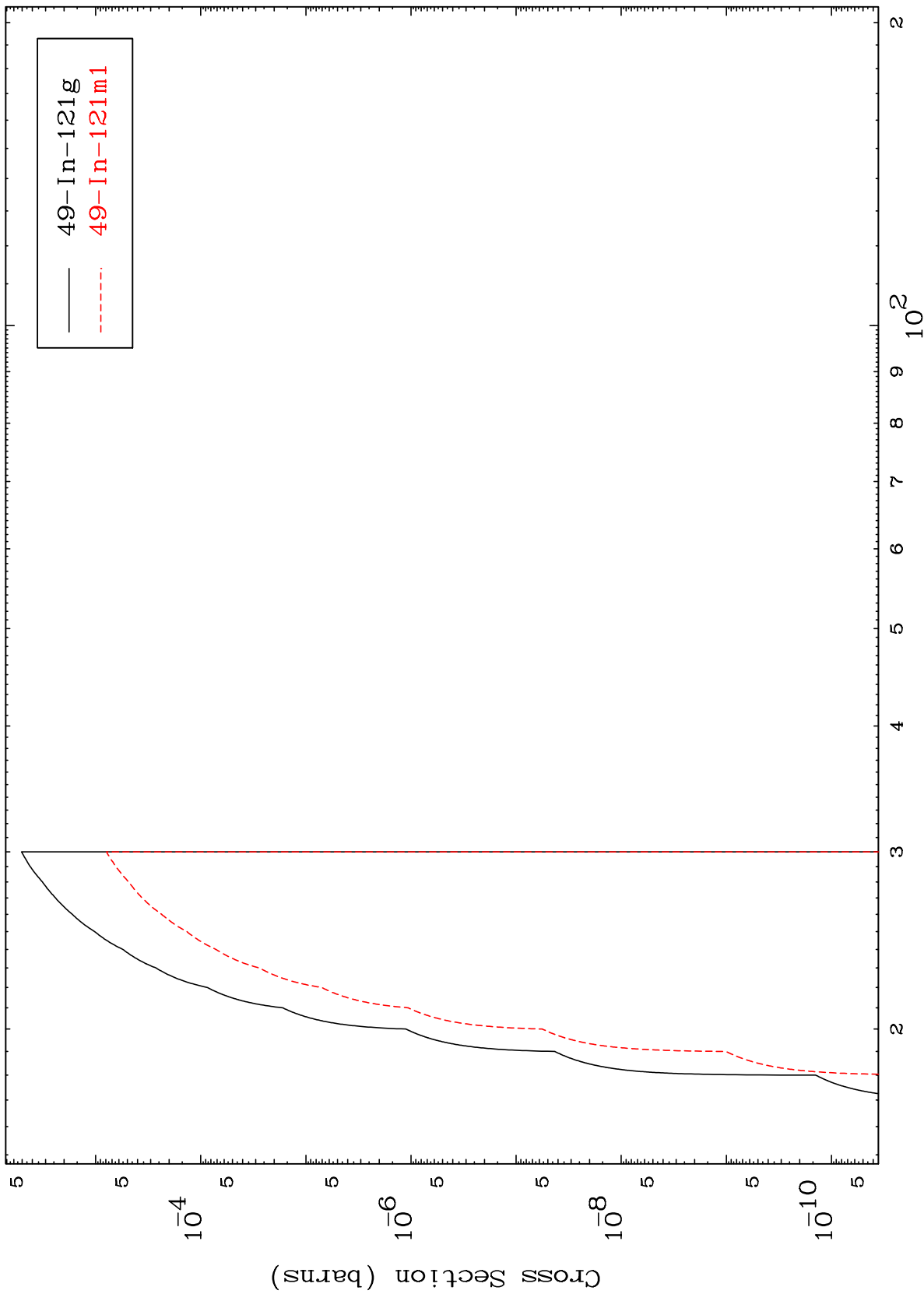


131

Incident Energy (MeV)

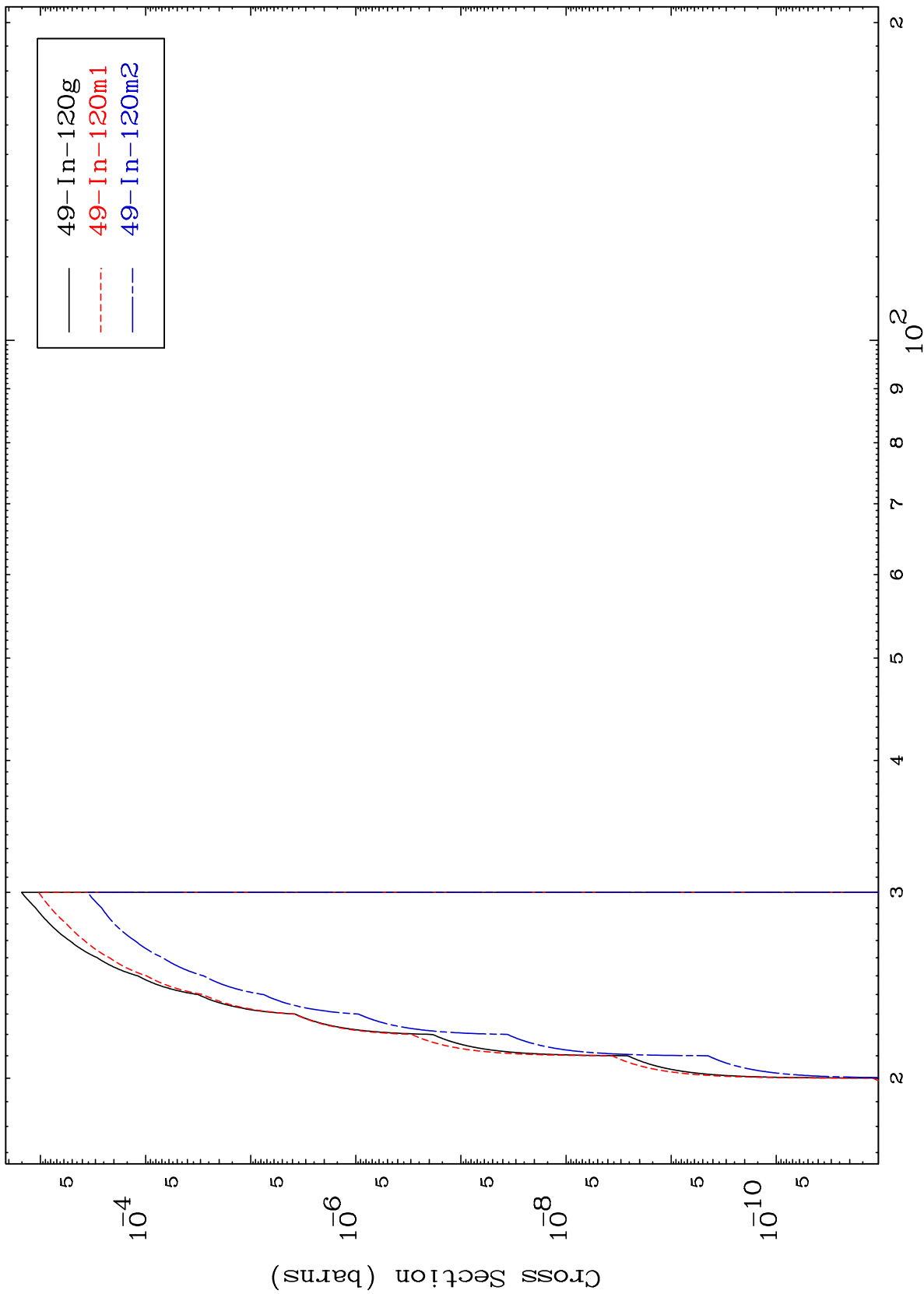
50-Sn-123

Radionuclide Production Cross Section



49-In-121g
49-In-121m1

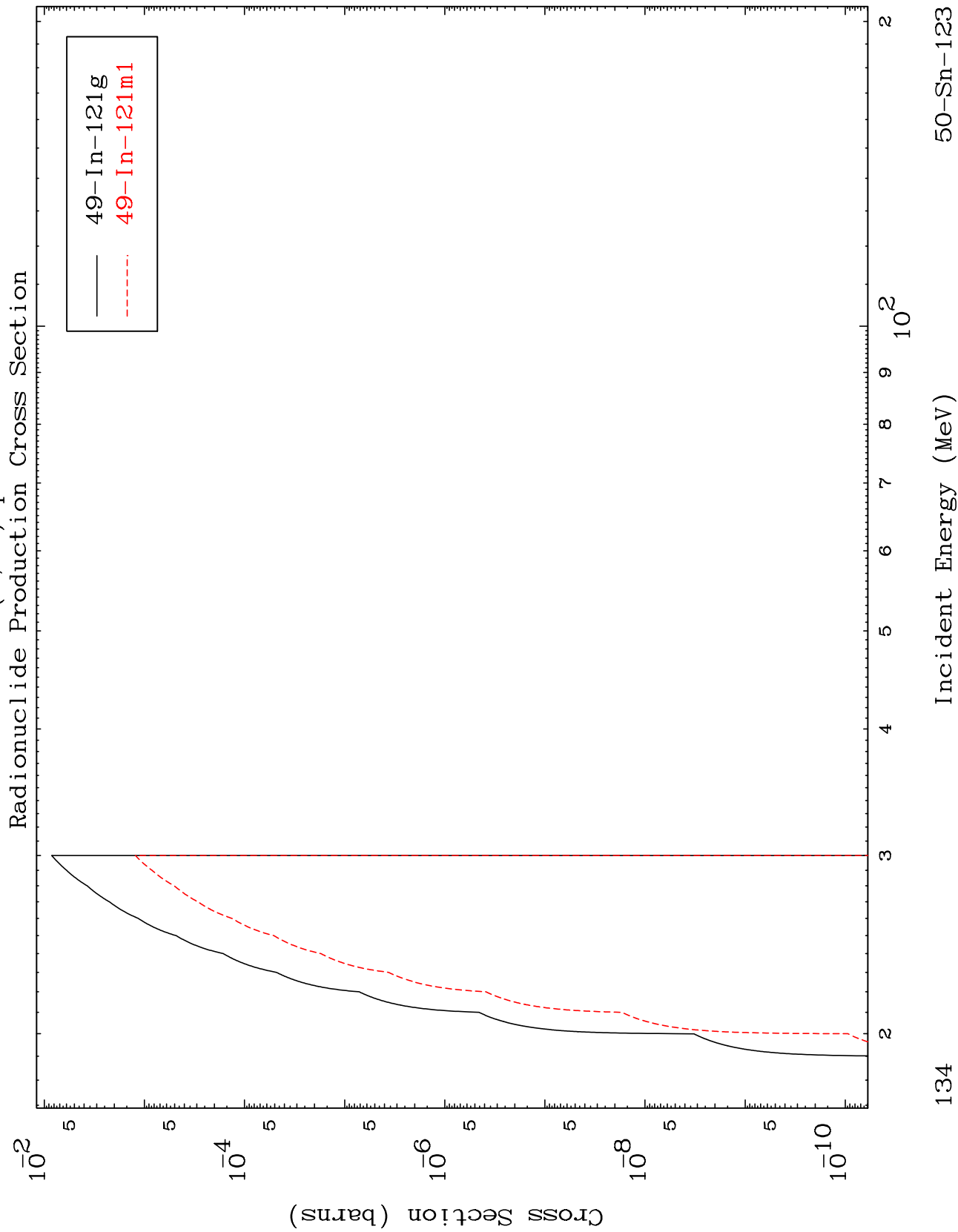
Radionuclide Production Cross Section



MAT 5058

(n,2n) p

50-Sn-123



134

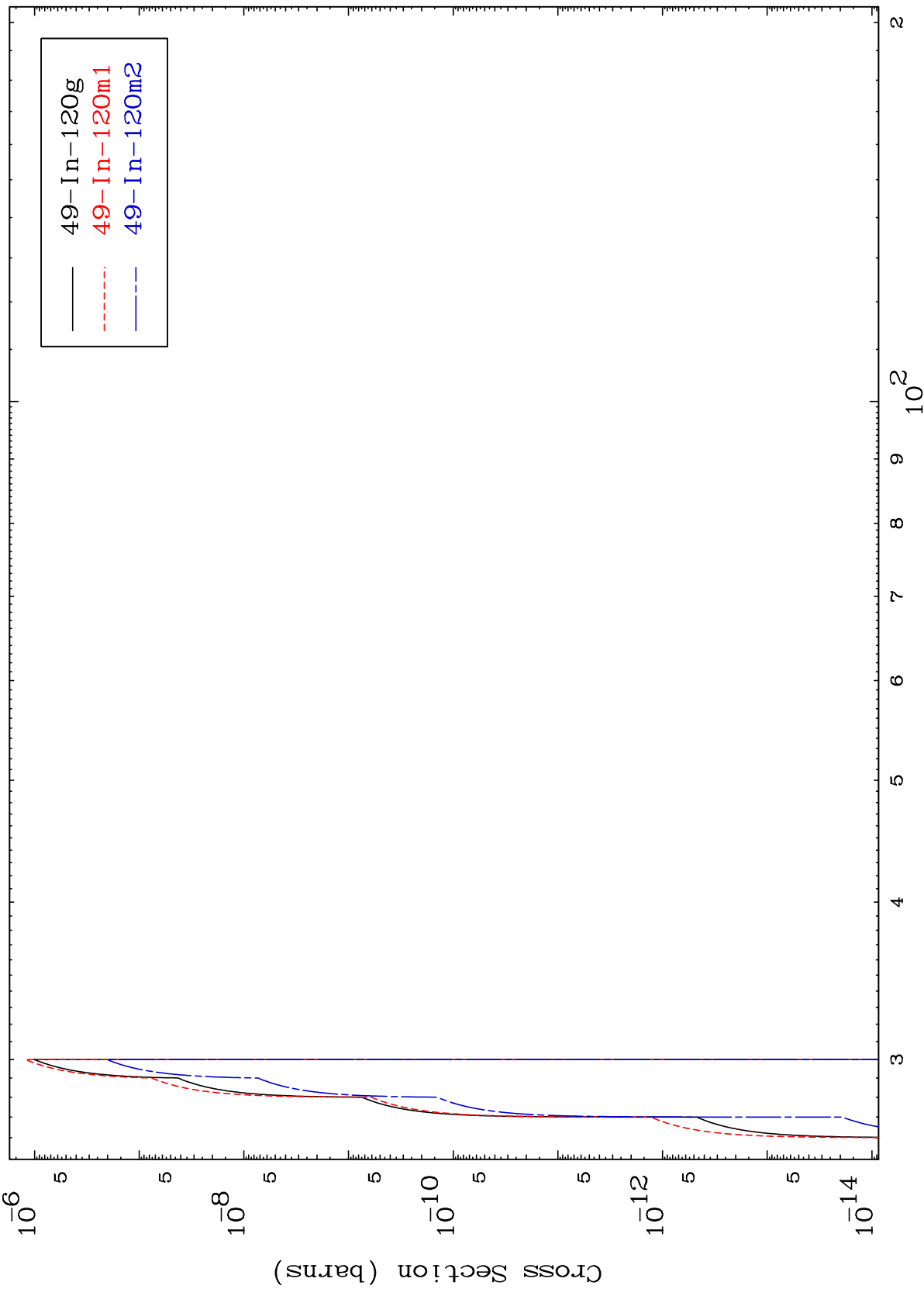
50-Sn-123

MAT 5058

(n,3n) p

50-Sn-123

Radionuclide Production Cross Section



135

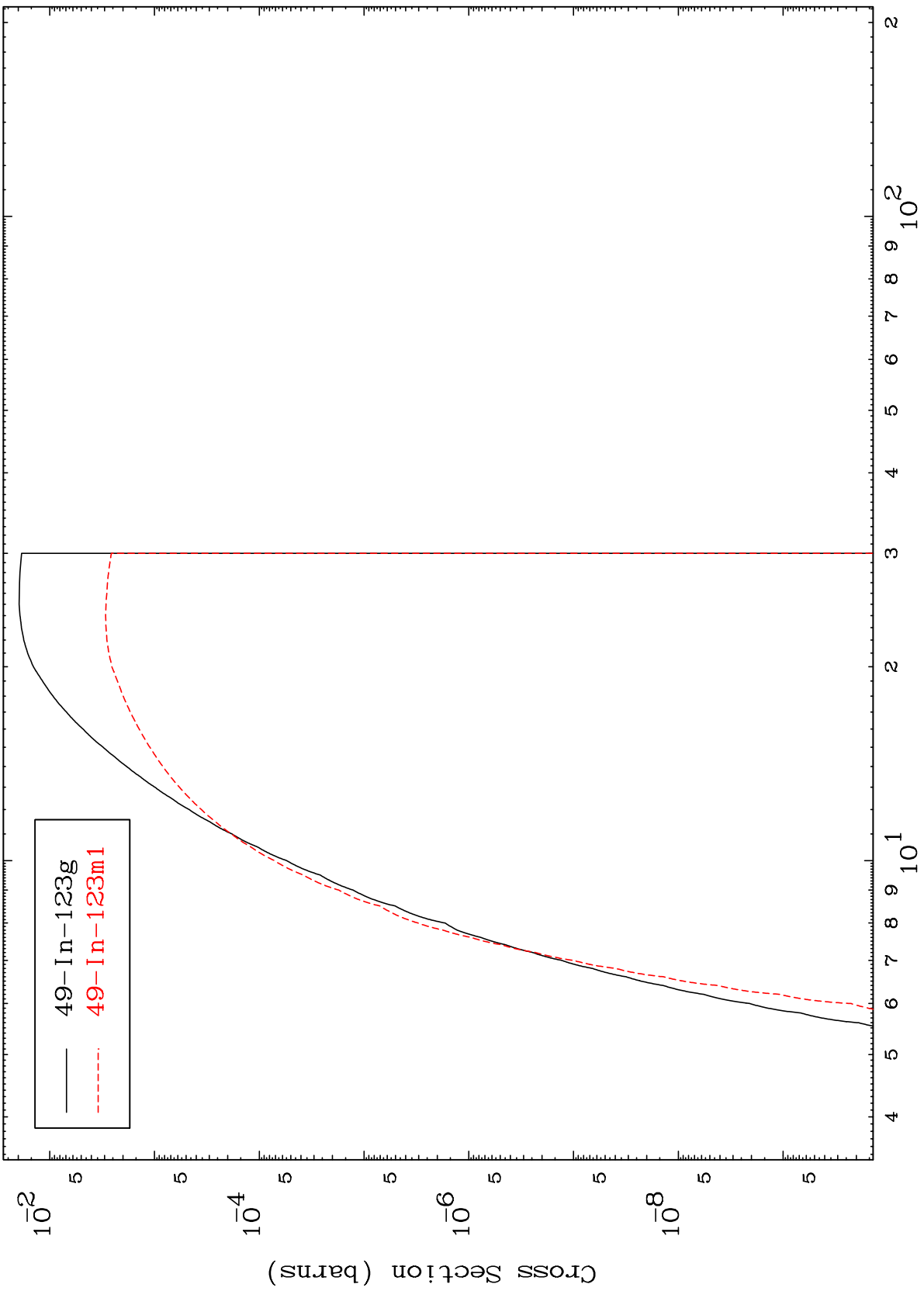
Incident Energy (MeV)

50-Sn-123

MAT 5058

50-Sn-123

(n,p)
Radionuclide Production Cross Section



— 49-In-123g
- - - 49-In-123m1

50-Sn-123

Incident Energy (MeV)

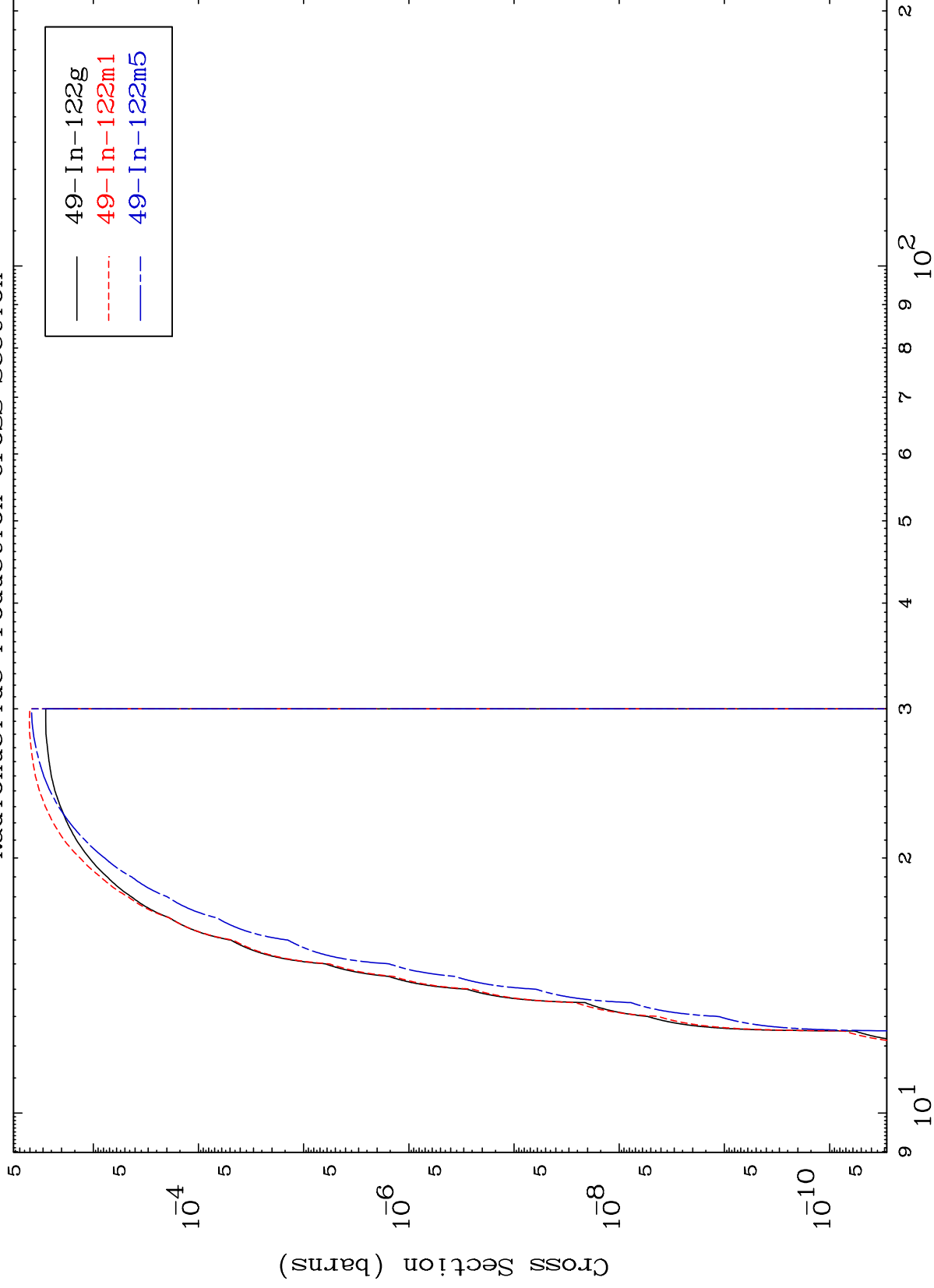
136

MAT 5058

(n,d)

50-Sn-123

Radionuclide Production Cross Section



137

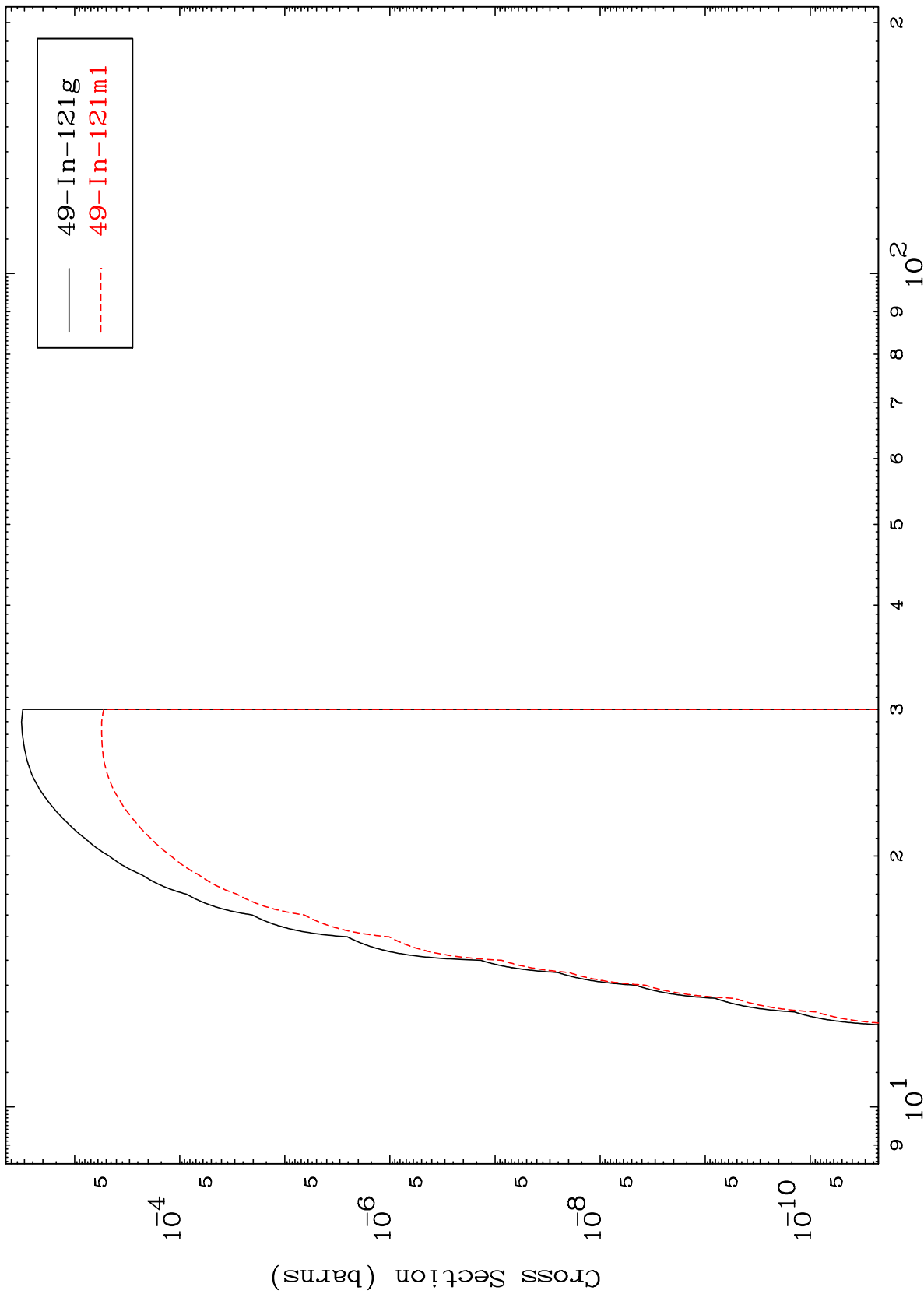
Incident Energy (MeV)

50-Sn-123

MAT 5058

50-Sn-123

(n,t)
Radionuclide Production Cross Section



50-Sn-123

Incident Energy (MeV)

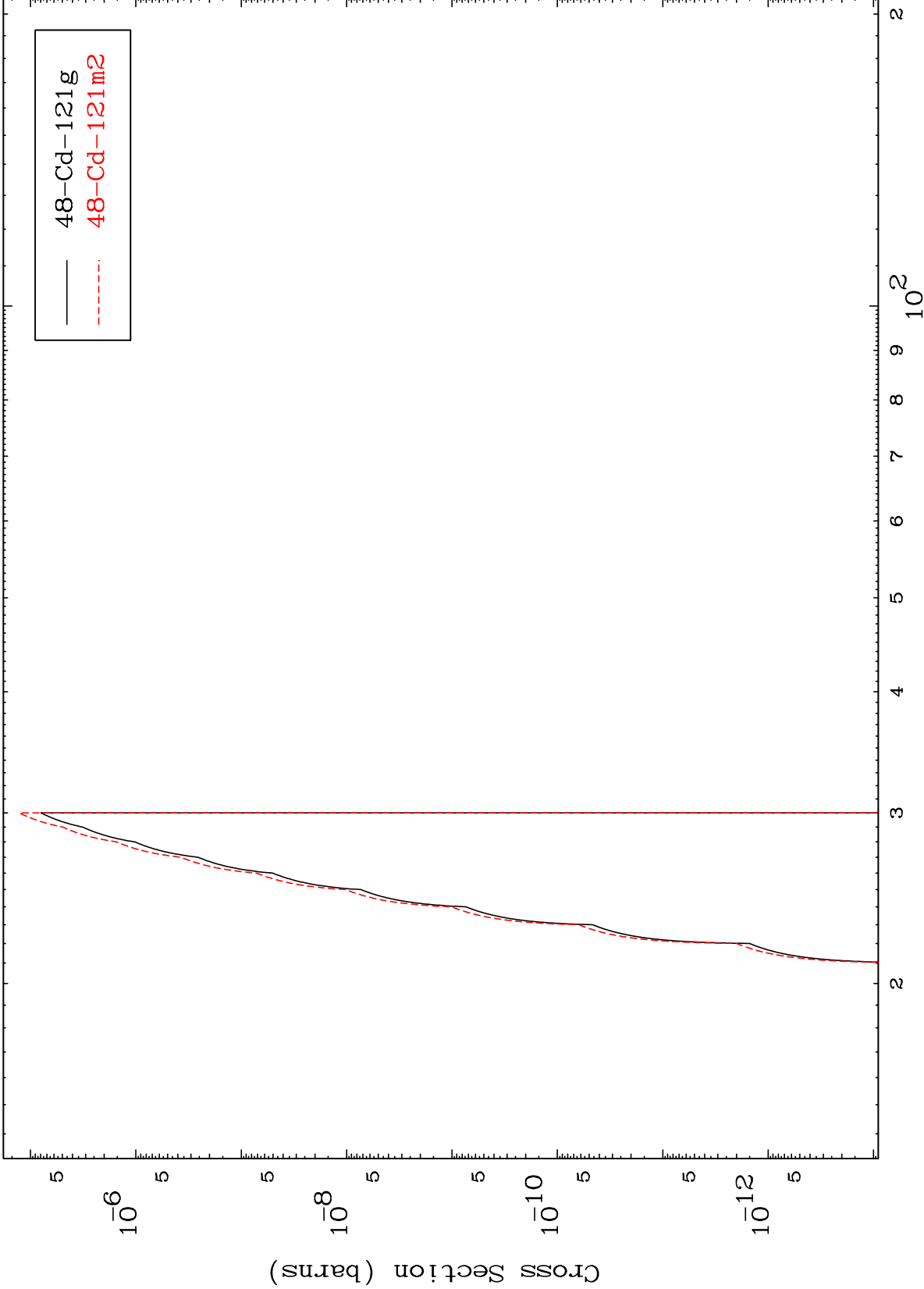
138

MAT 5058

(n,He-3)

50-Sn-123

Radionuclide Production Cross Section



139

Incident Energy (MeV)

50-Sn-123