

Program EVALPLOT
(Version 2021-1)

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

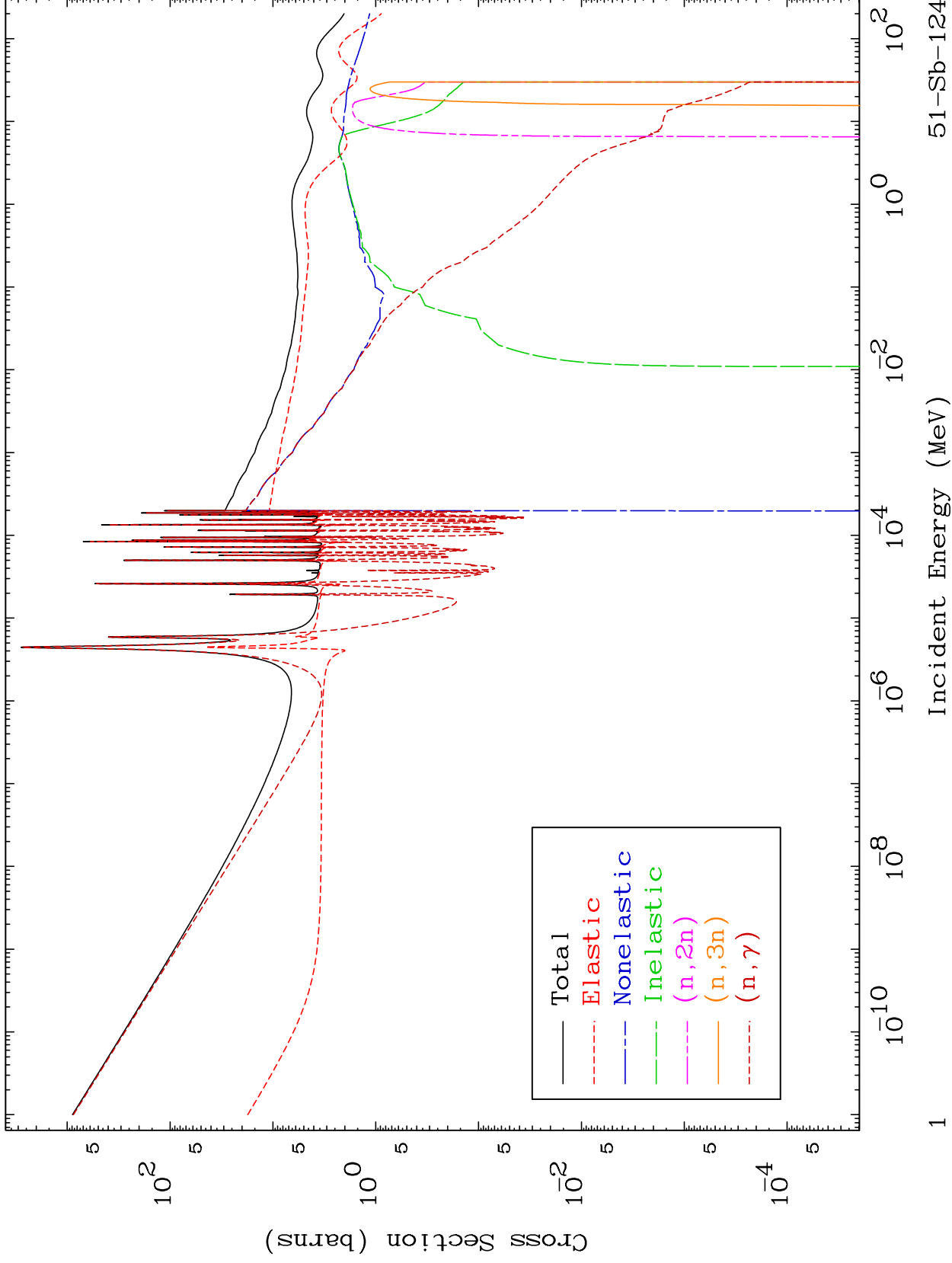
Web:redcullen1.net/HOMEPAGE.NEW

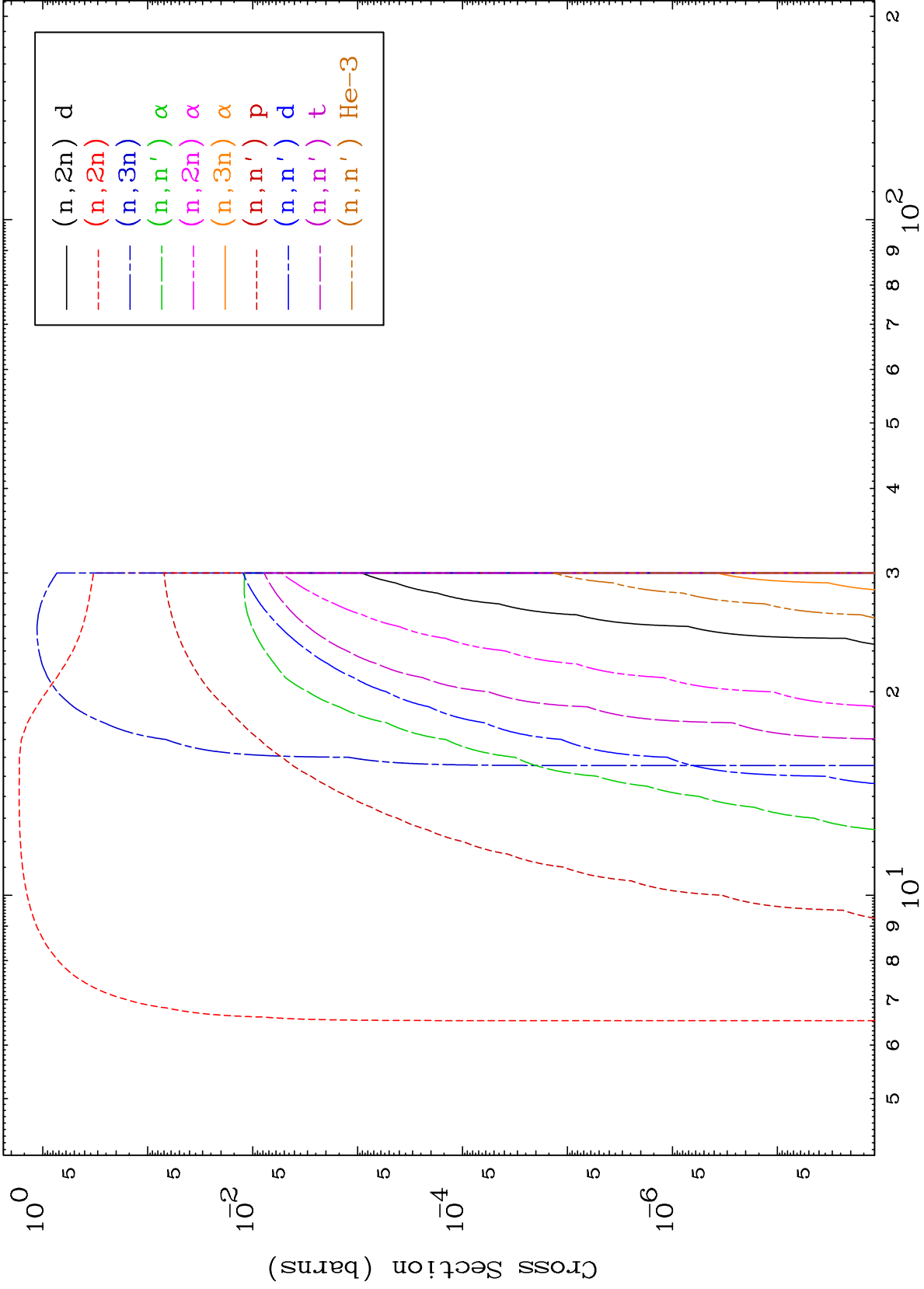
Press Mouse Button to Start

MAT 5134

Neutron Major
293 Kelvin Cross Sections

51-Sb-124

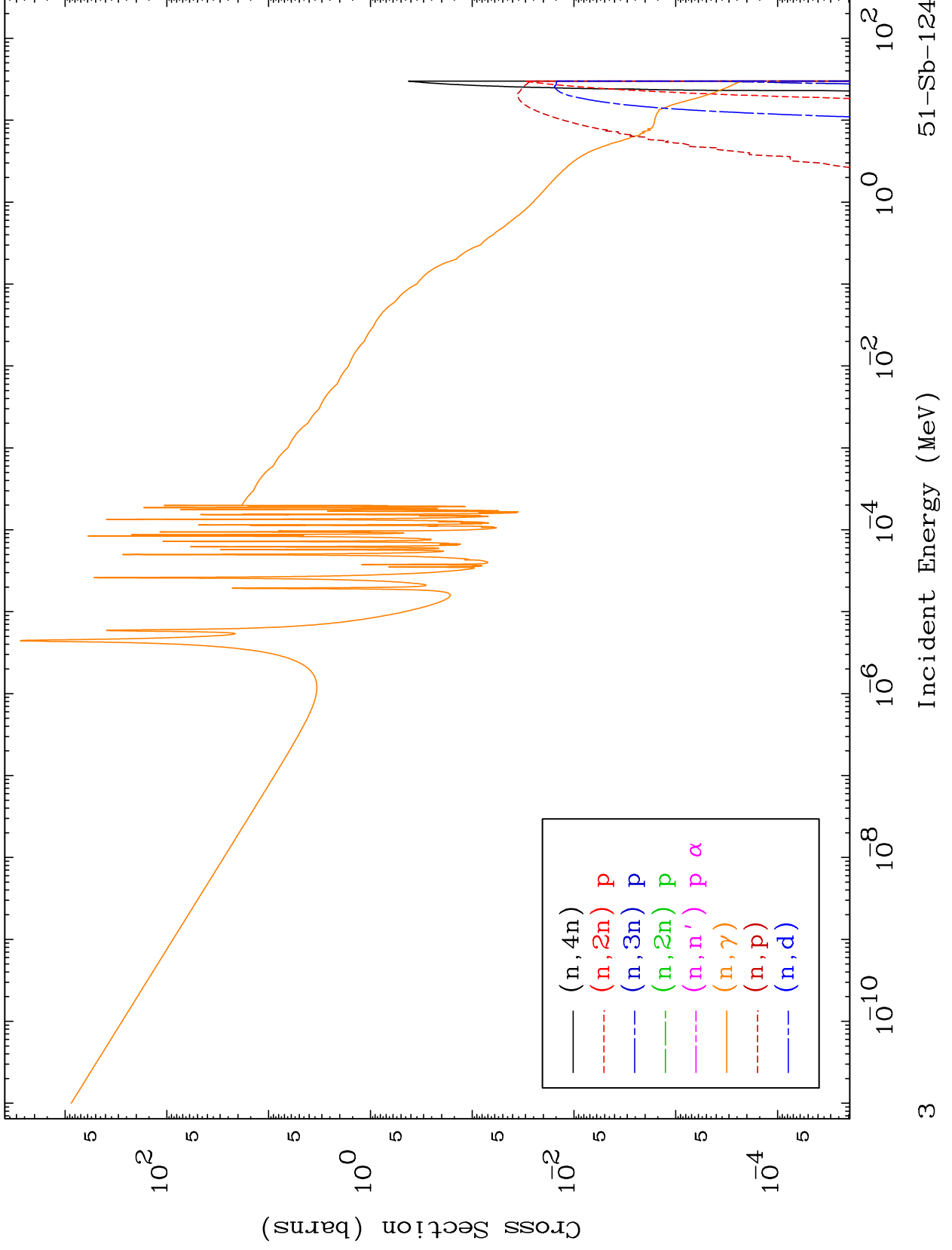


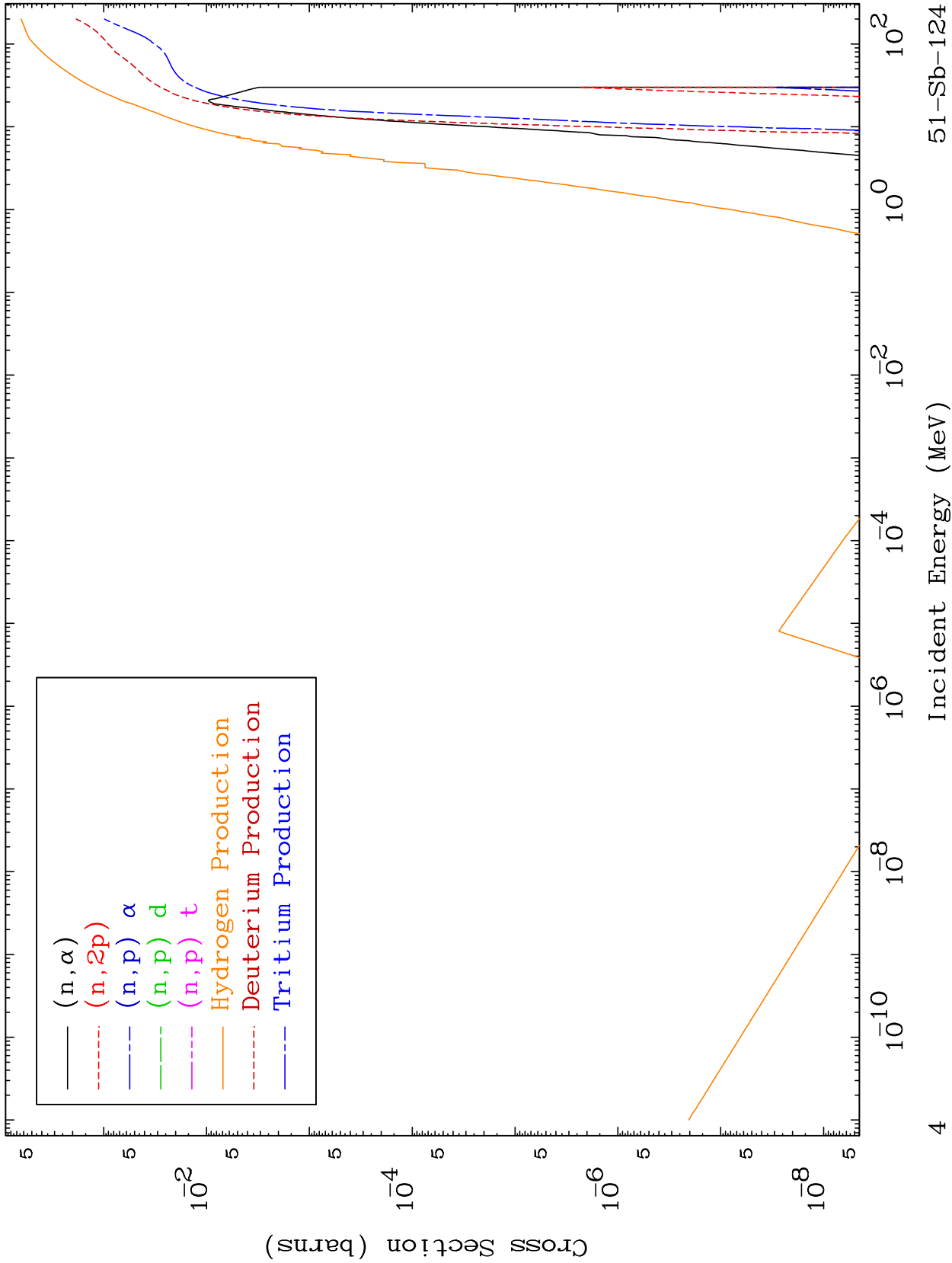


MAT 5134

Neutron Absorption
293 Kelvin Cross Sections

51-Sb-124

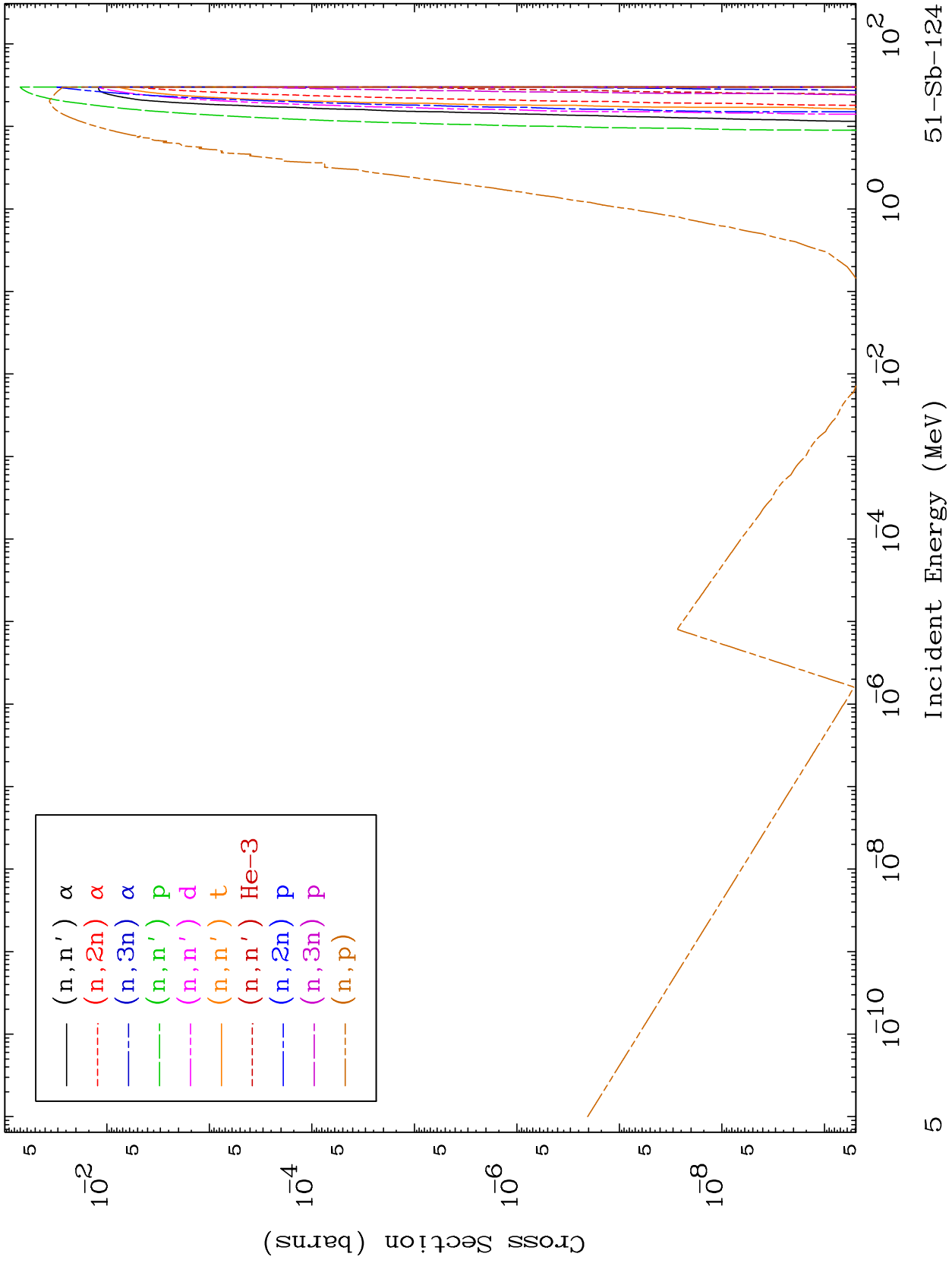




MAT 5134

Charged Particle
293 Kelvin Cross Sections

51-Sb-124

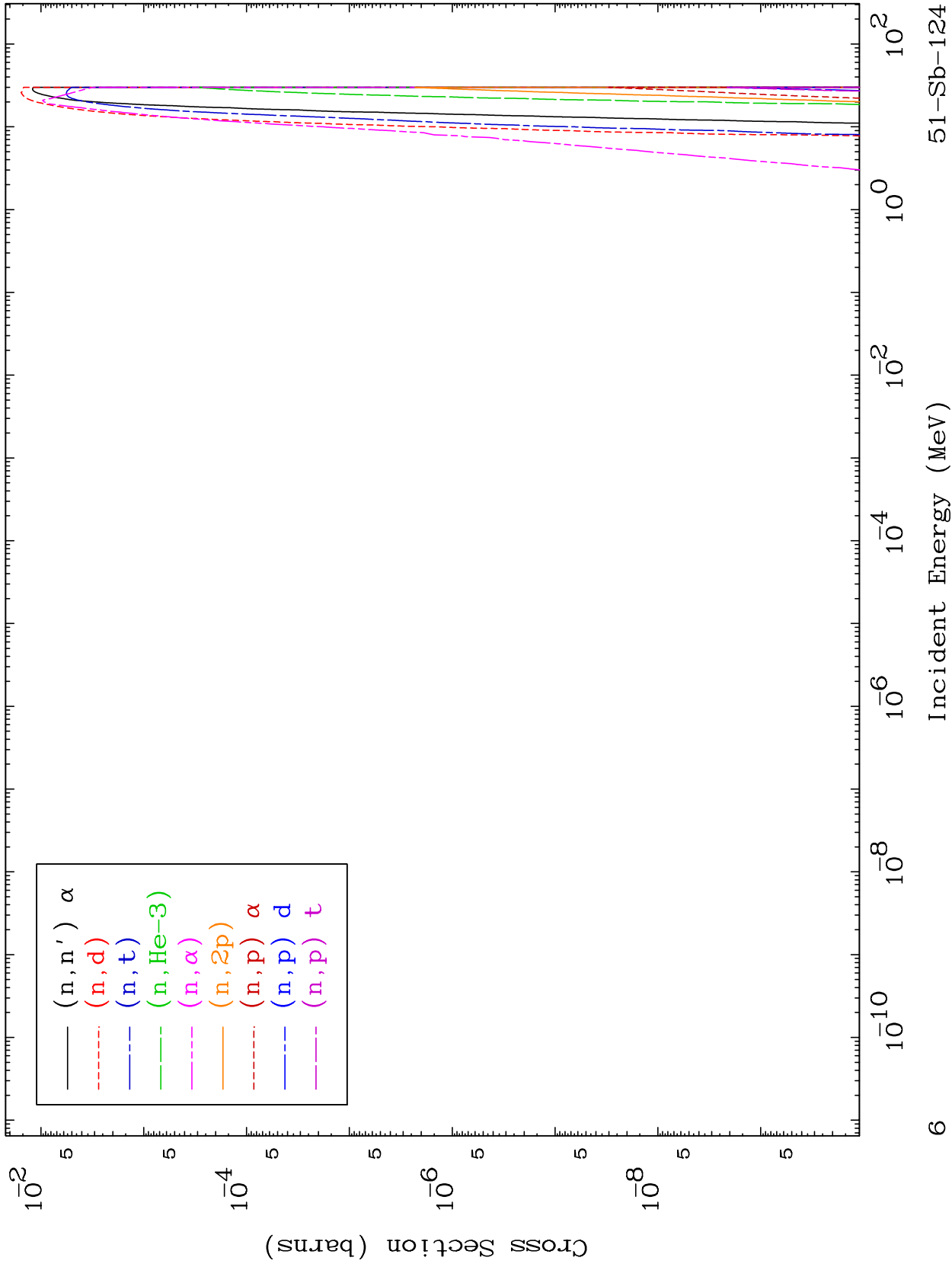


5

MAT 5134

Charged Particle
293 Kelvin Cross Sections

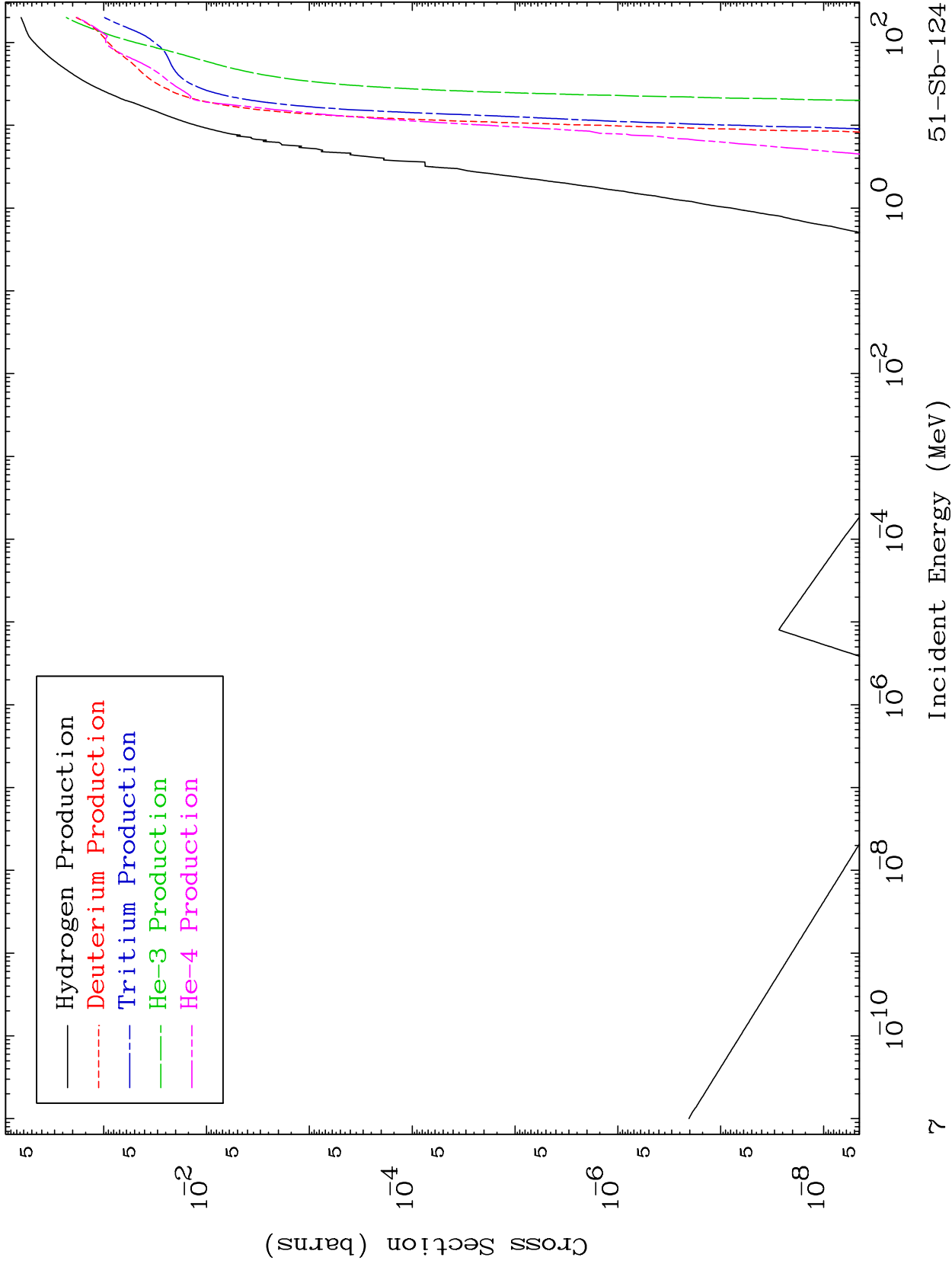
51-Sb-124



MAT 5134

Particle Production
293 Kelvin Cross Sections

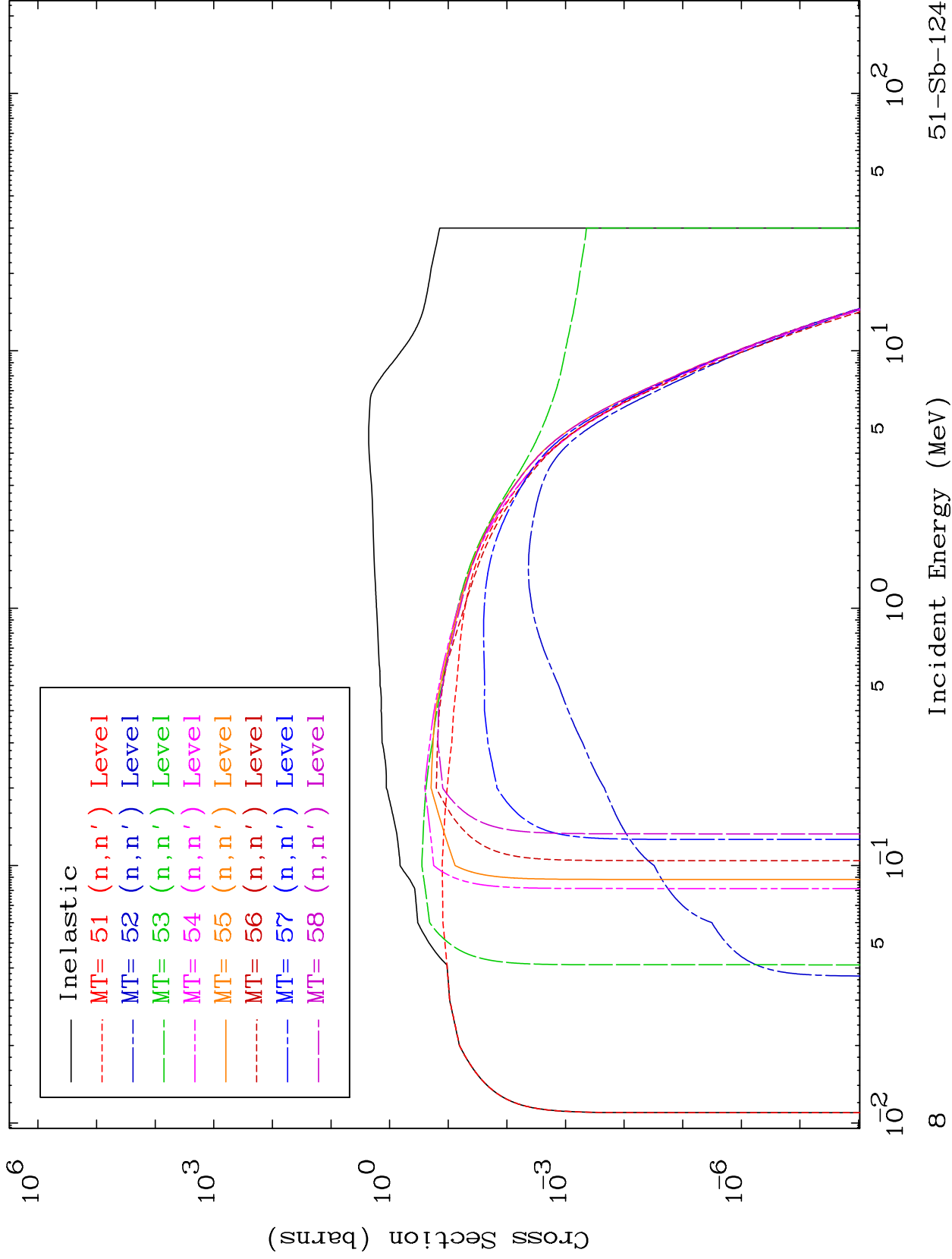
51-Sb-124



MAT 5134

(n,n') Levels
293 Kelvin Cross Sections

51-Sb-124



51-Sb-124

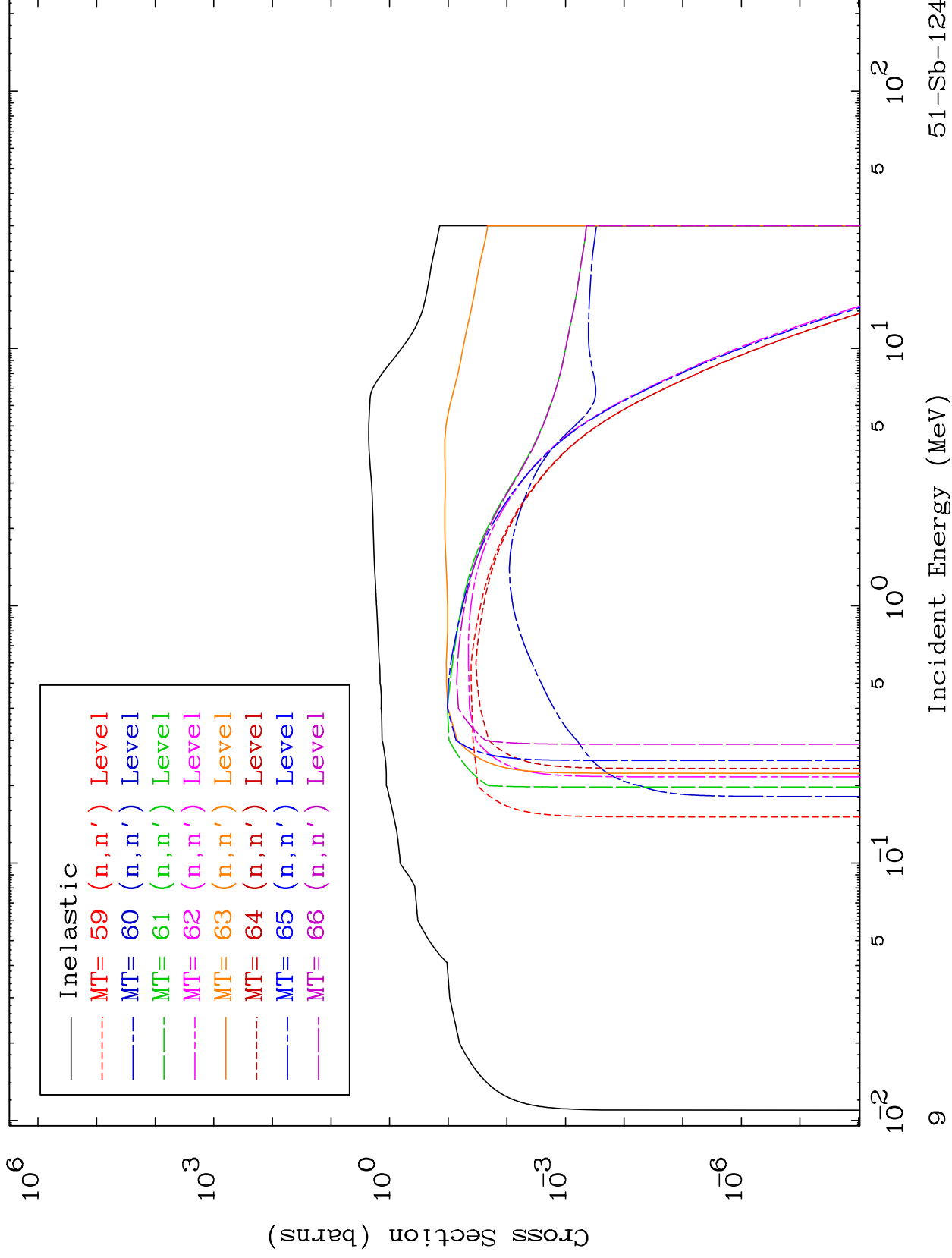
Incident Energy (MeV)

8

MAT 5134

(n,n') Levels
293 Kelvin Cross Sections

51-Sb-124



51-Sb-124

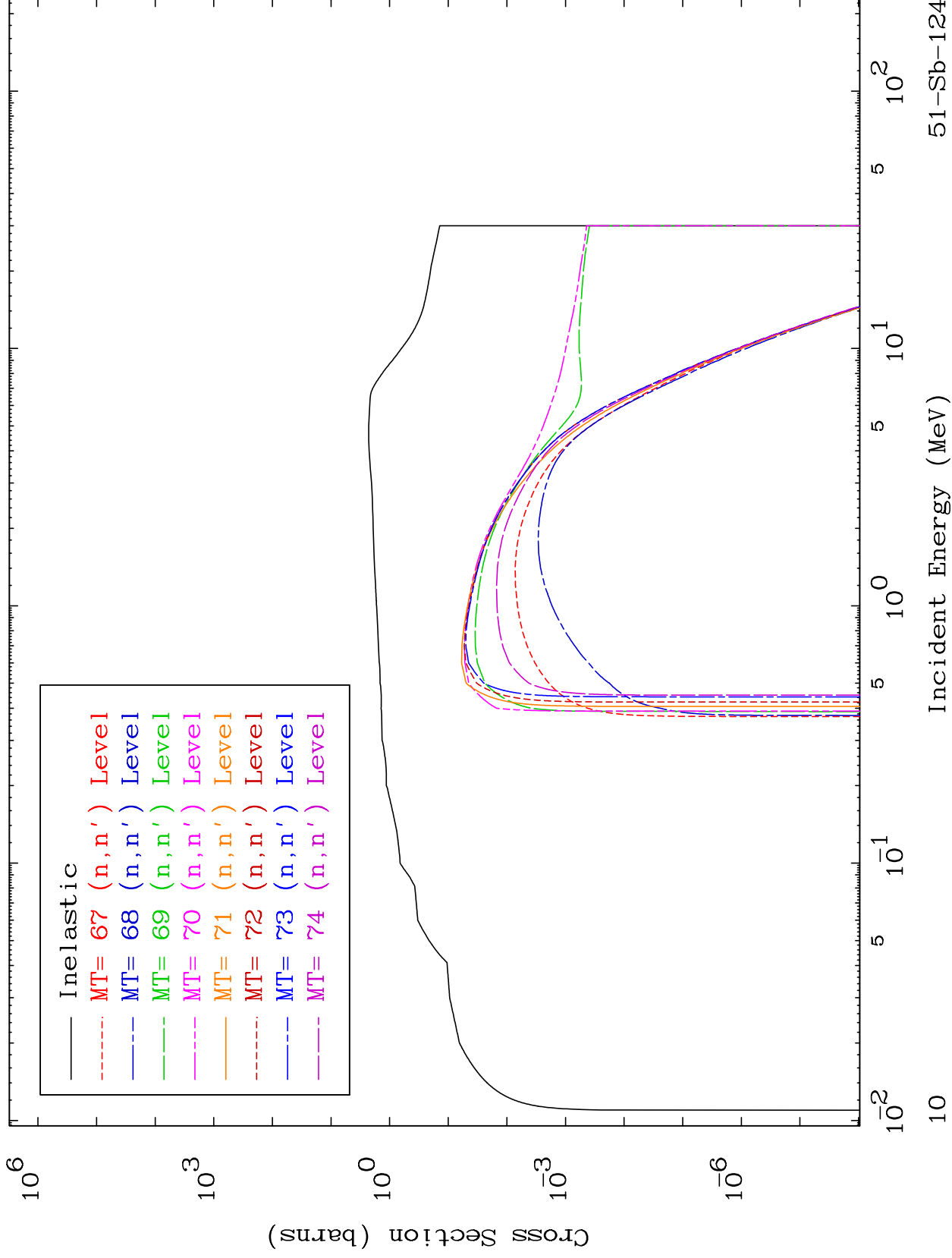
Incident Energy (MeV)

9

MAT 5134

(n,n') Levels
293 Kelvin Cross Sections

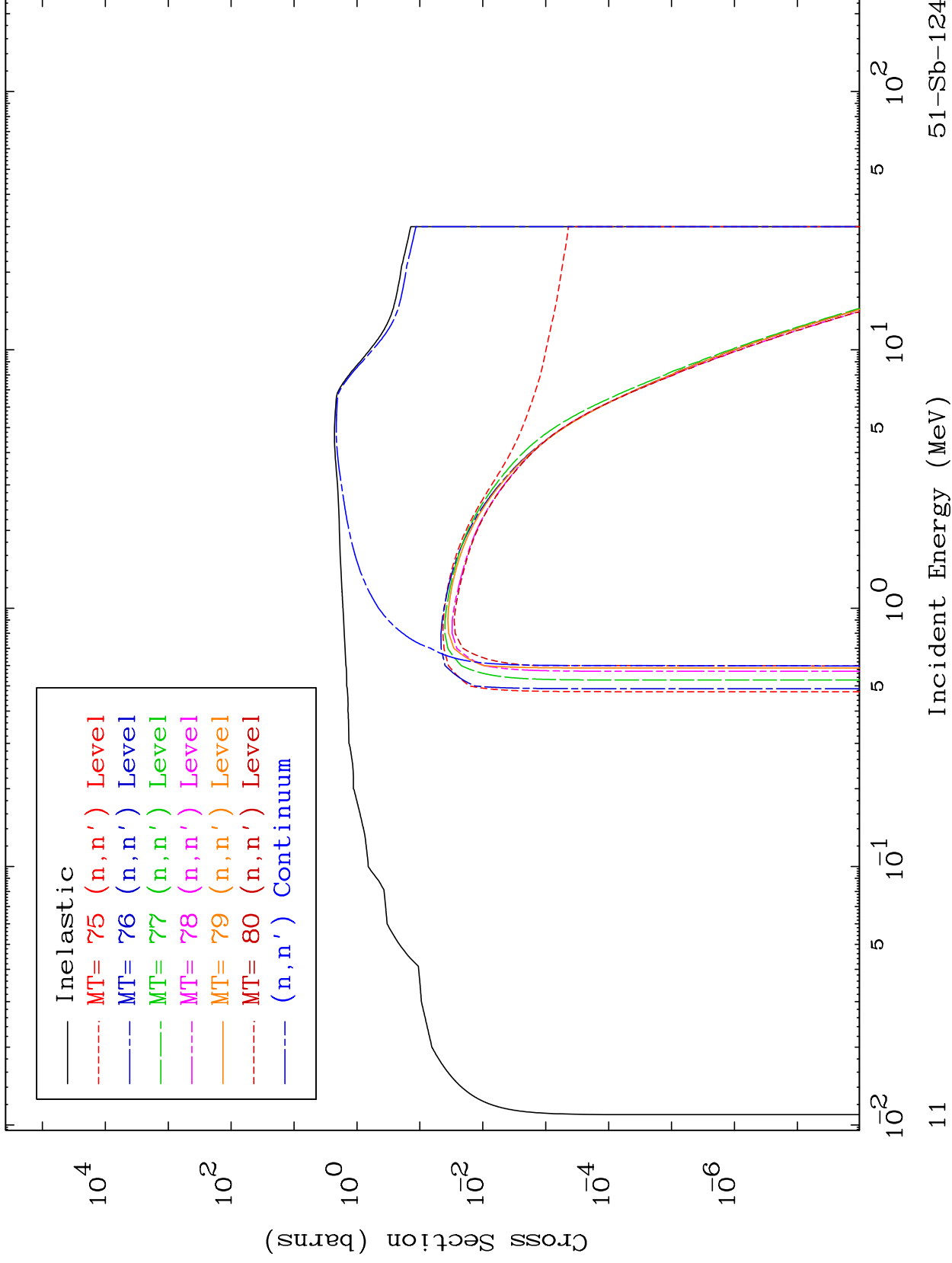
51-Sb-124



MAT 5134

(n,n') Levels
293 Kelvin Cross Sections

51-Sb-124



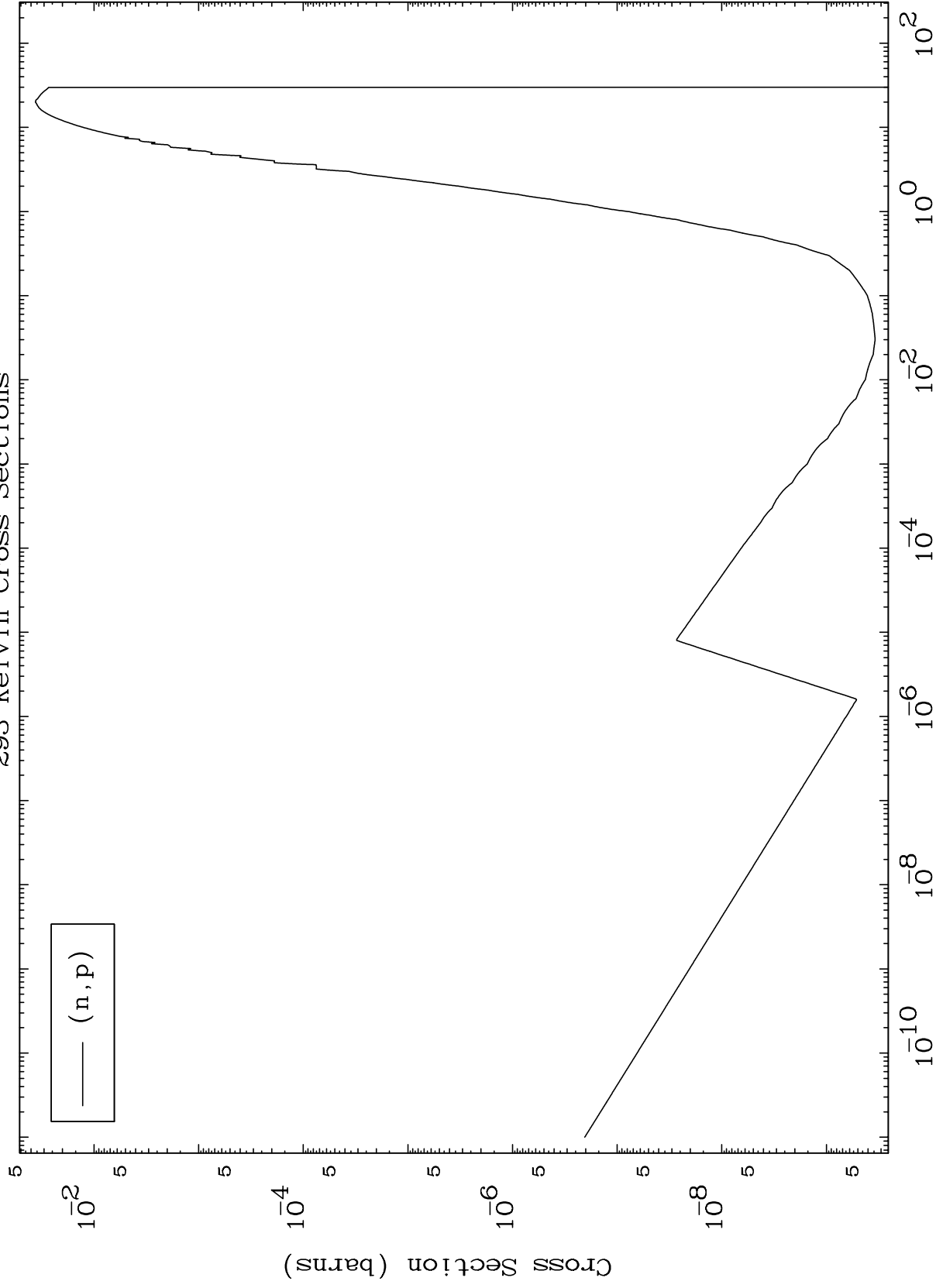
11

51-Sb-124

MAT 5134

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-124



12

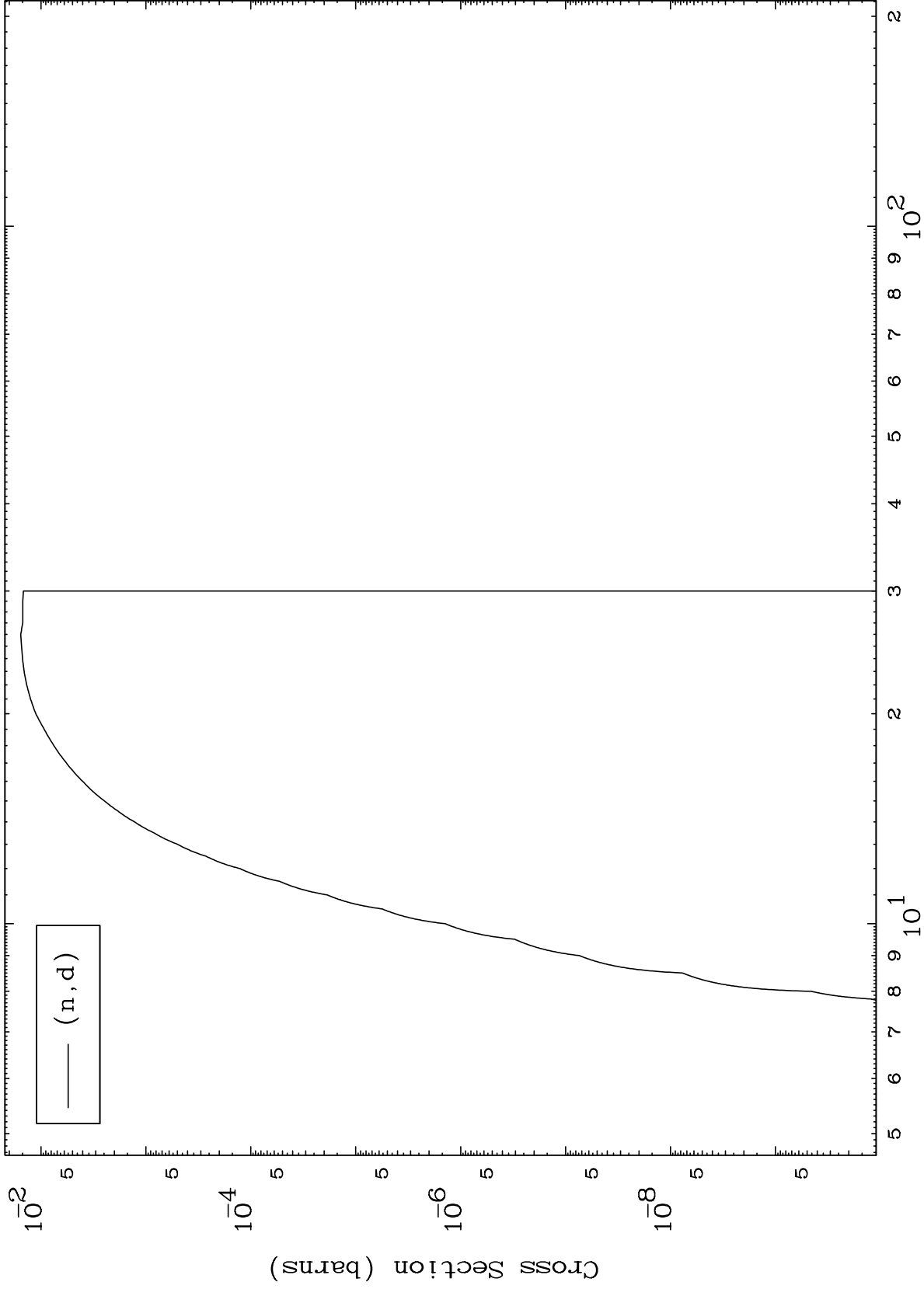
Incident Energy (MeV)

51-Sb-124

MAT 5134

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-124



13

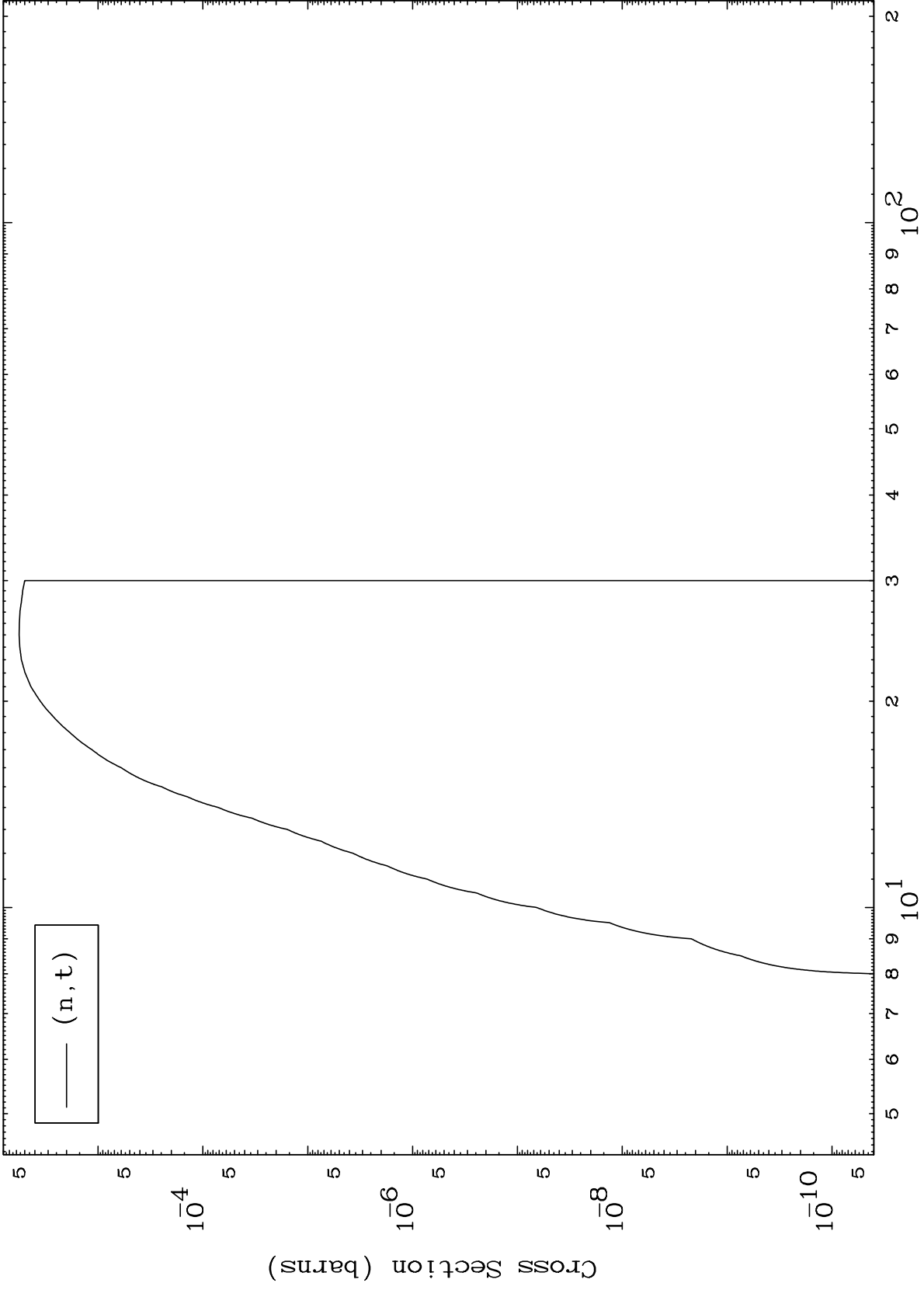
Incident Energy (MeV)

51-Sb-124

MAT 5134

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-124



14

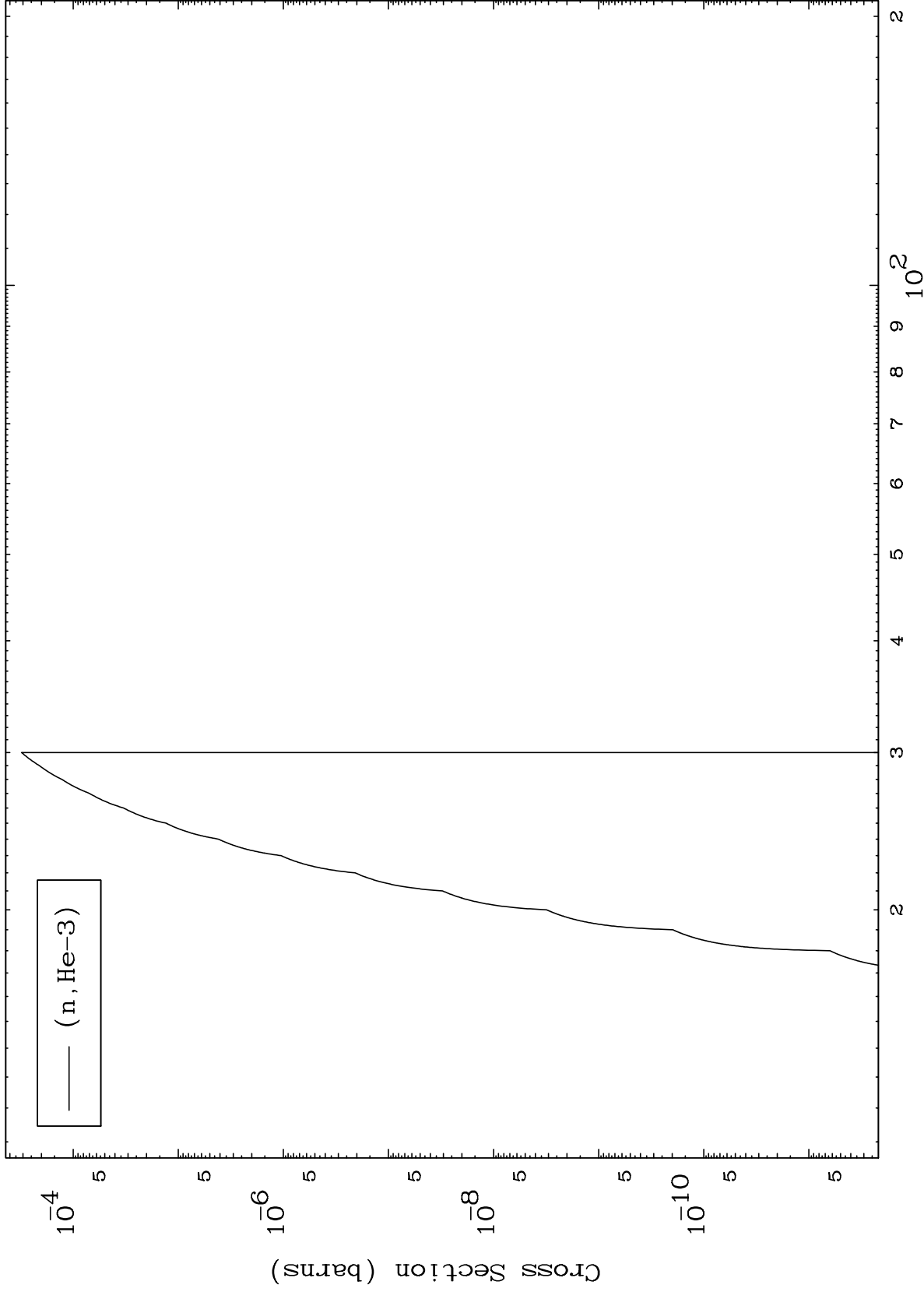
Incident Energy (MeV)

51-Sb-124

MAT 5134

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-124



15

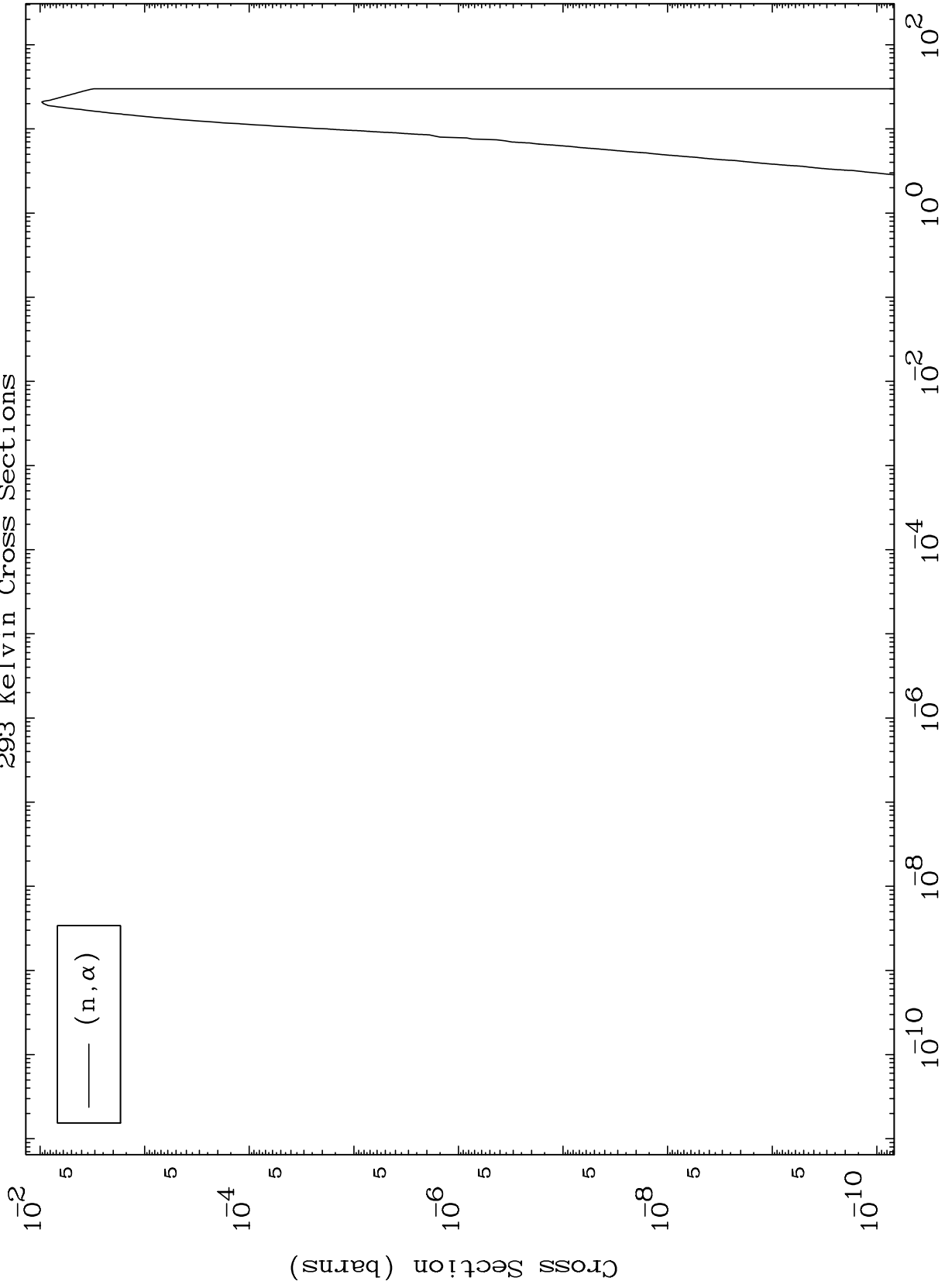
Incident Energy (MeV)

51-Sb-124

MAT 5134

(n, α) Levels
293 Kelvin Cross Sections

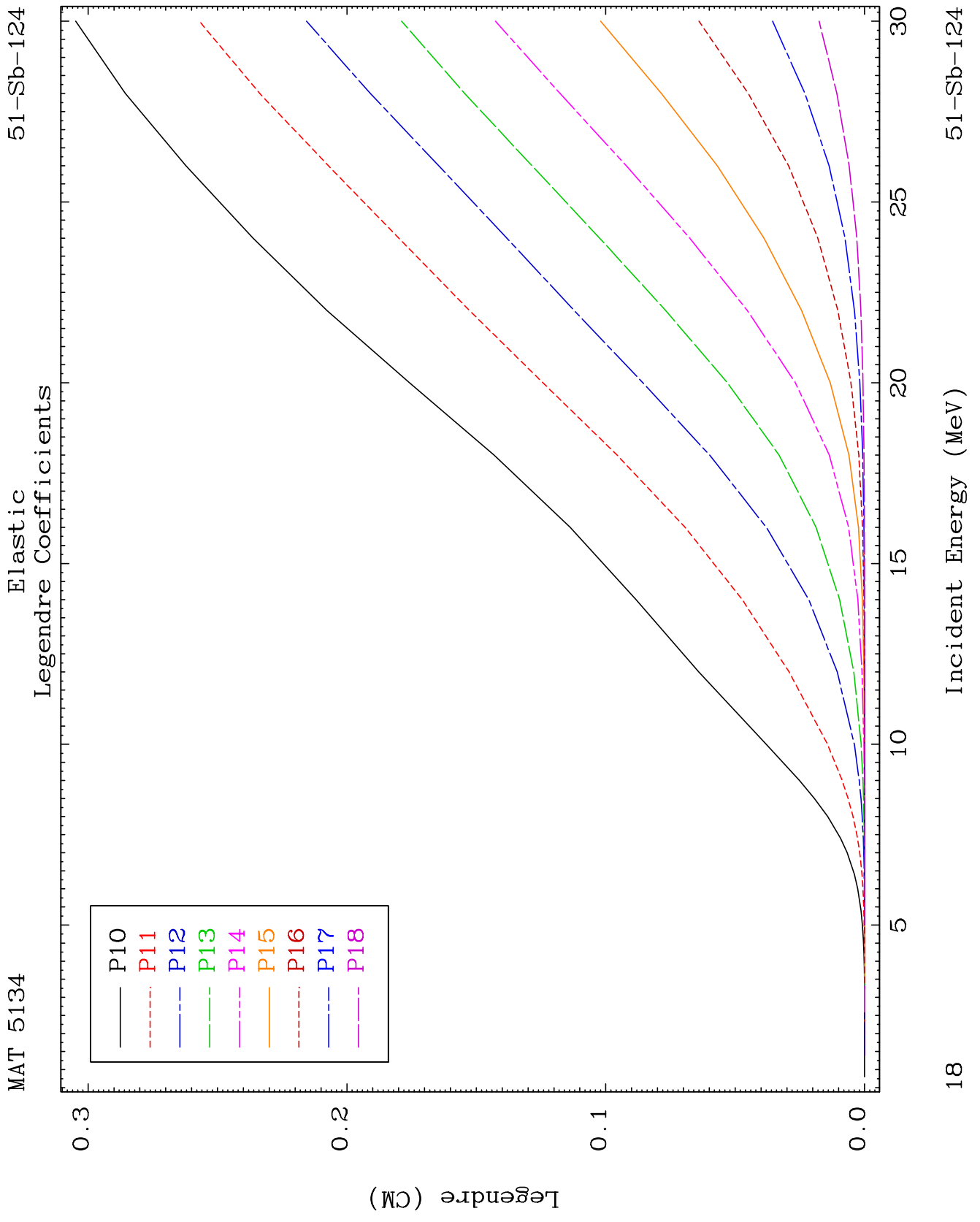
51-Sb-124



16

Incident Energy (MeV)

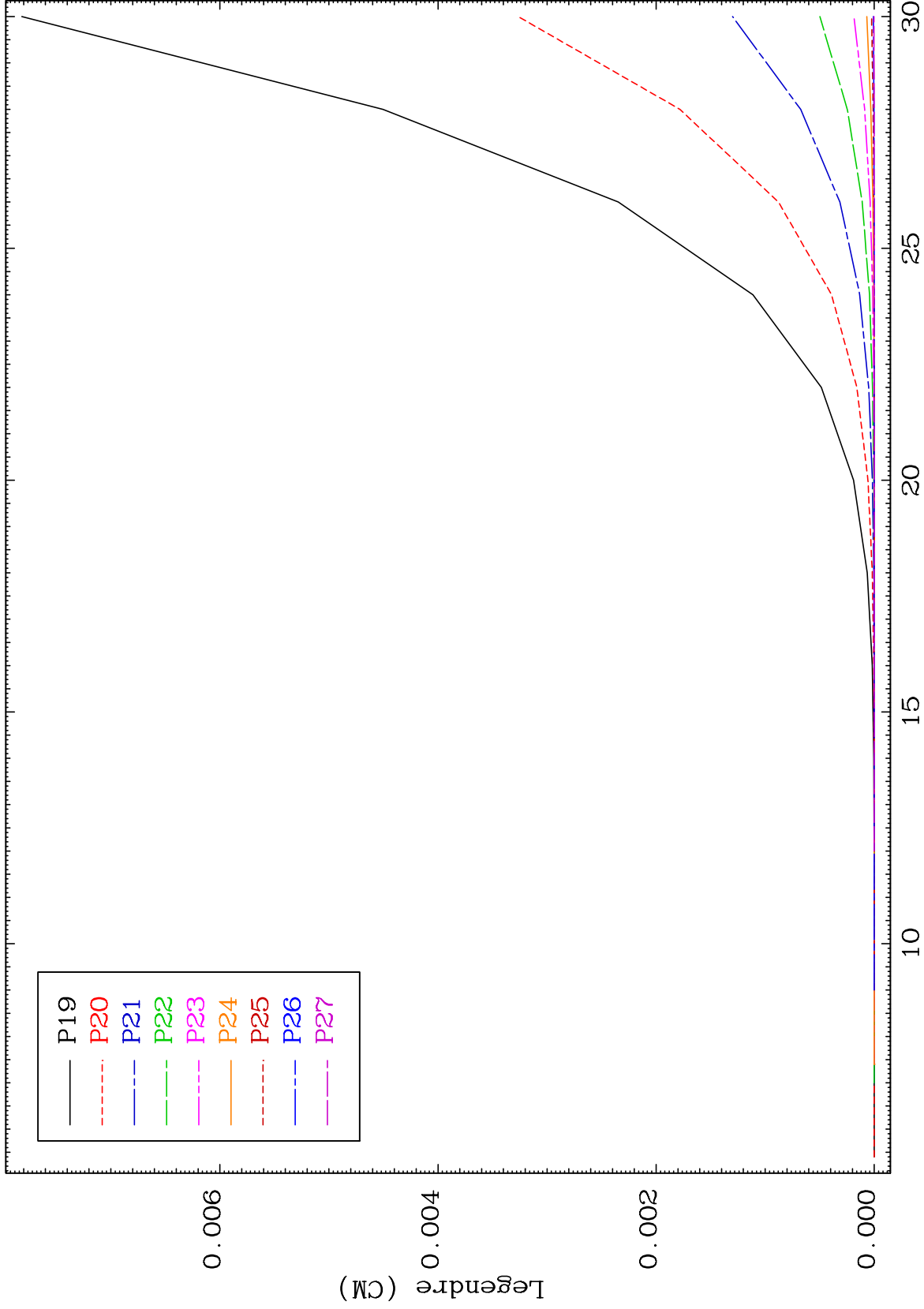
51-Sb-124



MAT 5134

Elastic Legendre Coefficients

51-Sb-124



19

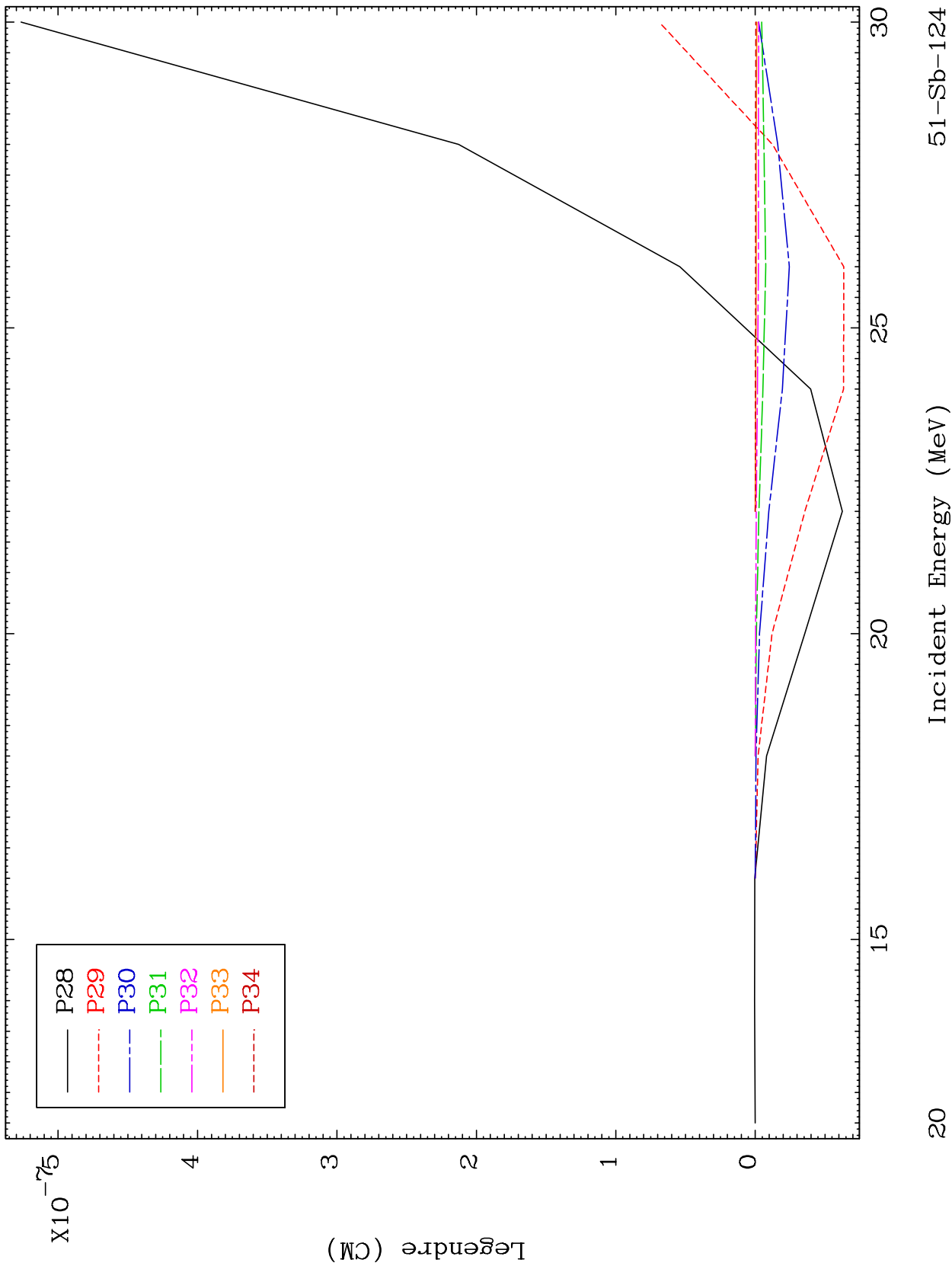
Incident Energy (MeV)

51-Sb-124

MAT 5134

Elastic Legendre Coefficients

51-Sb-124



20

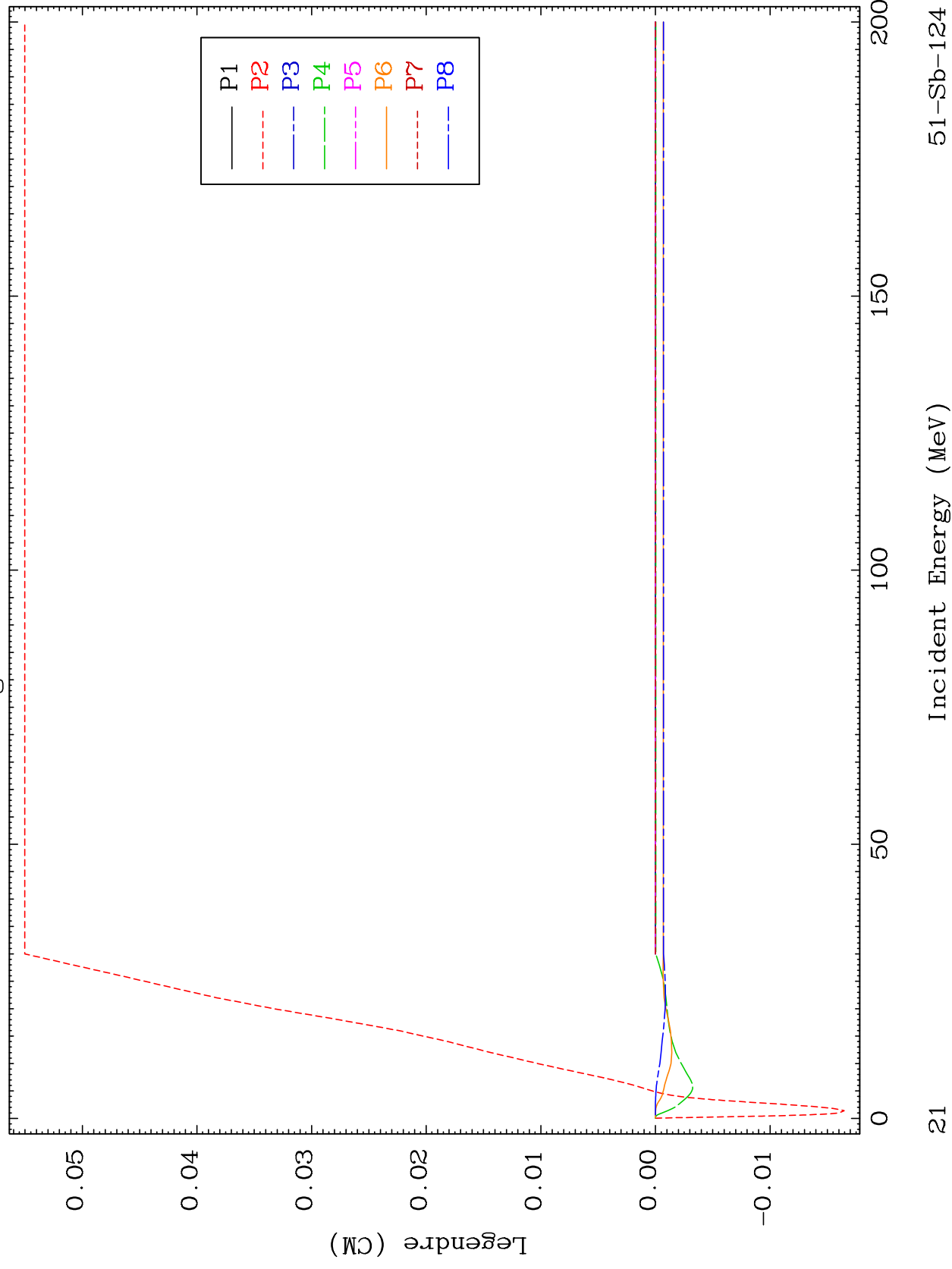
Incident Energy (MeV)

51-Sb-124

MAT 5134

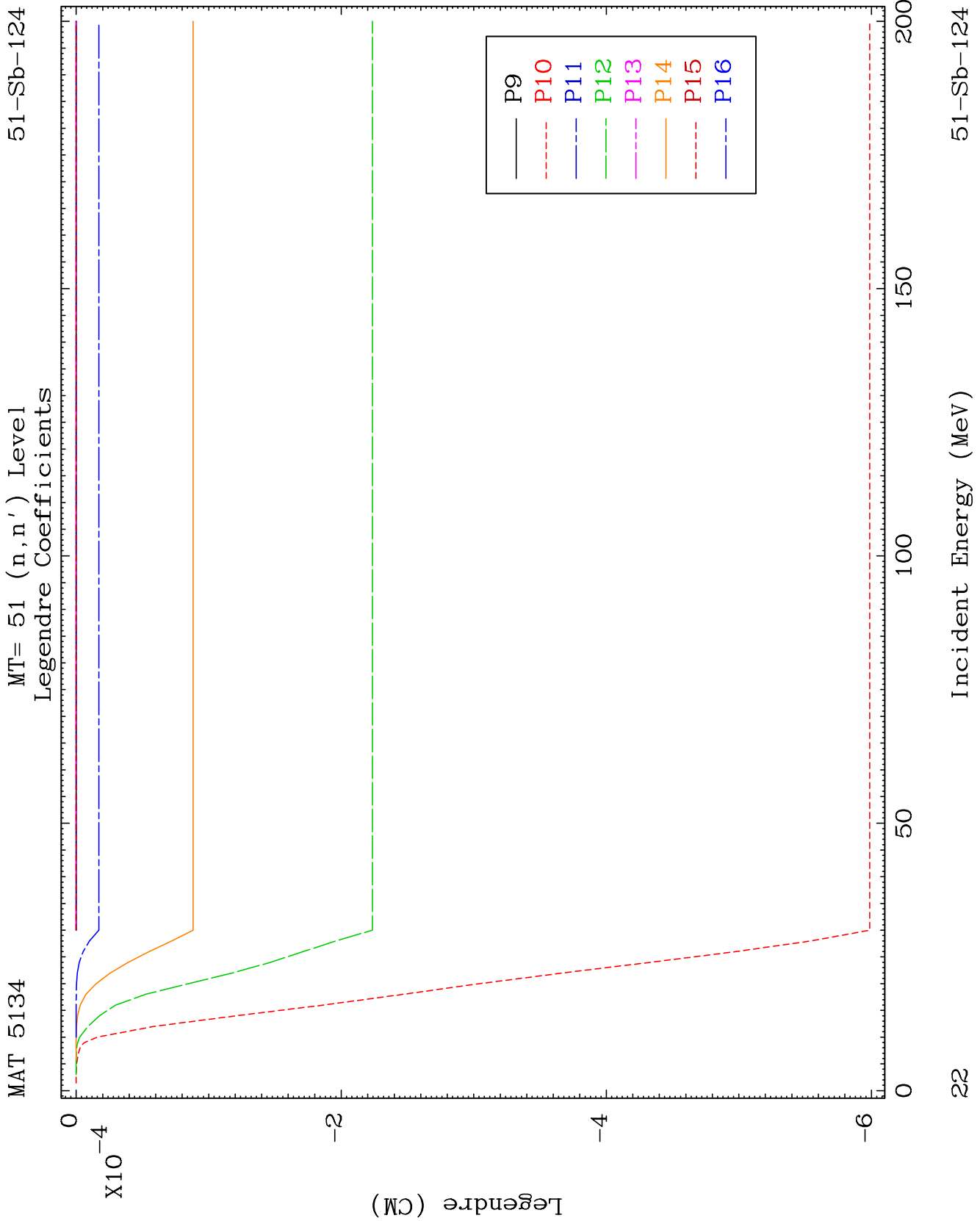
MT= 51 (n,n') Level
Legendre Coefficients

51-Sb-124



21

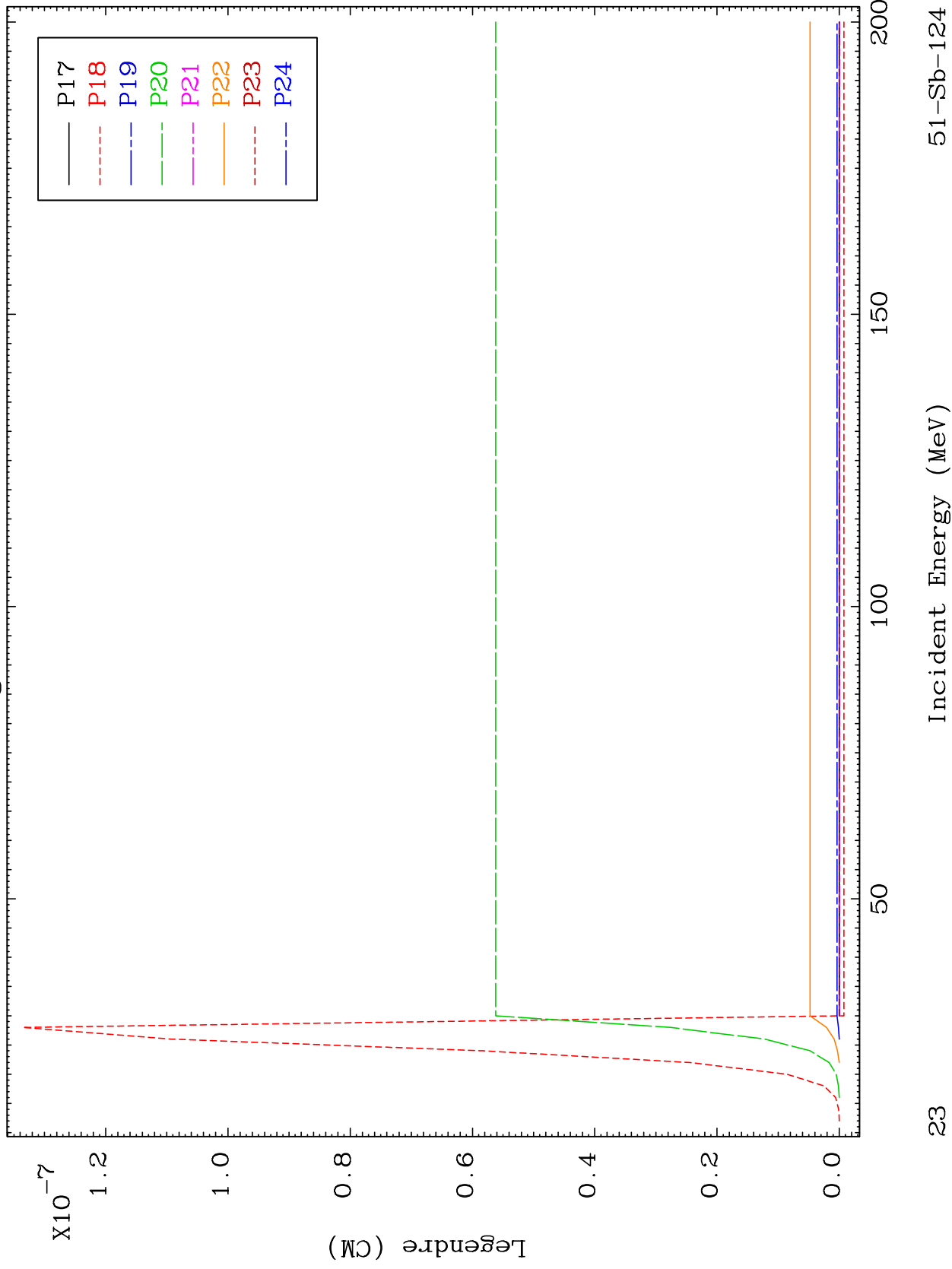
51-Sb-124



MAT 5134

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

51-Sb-124

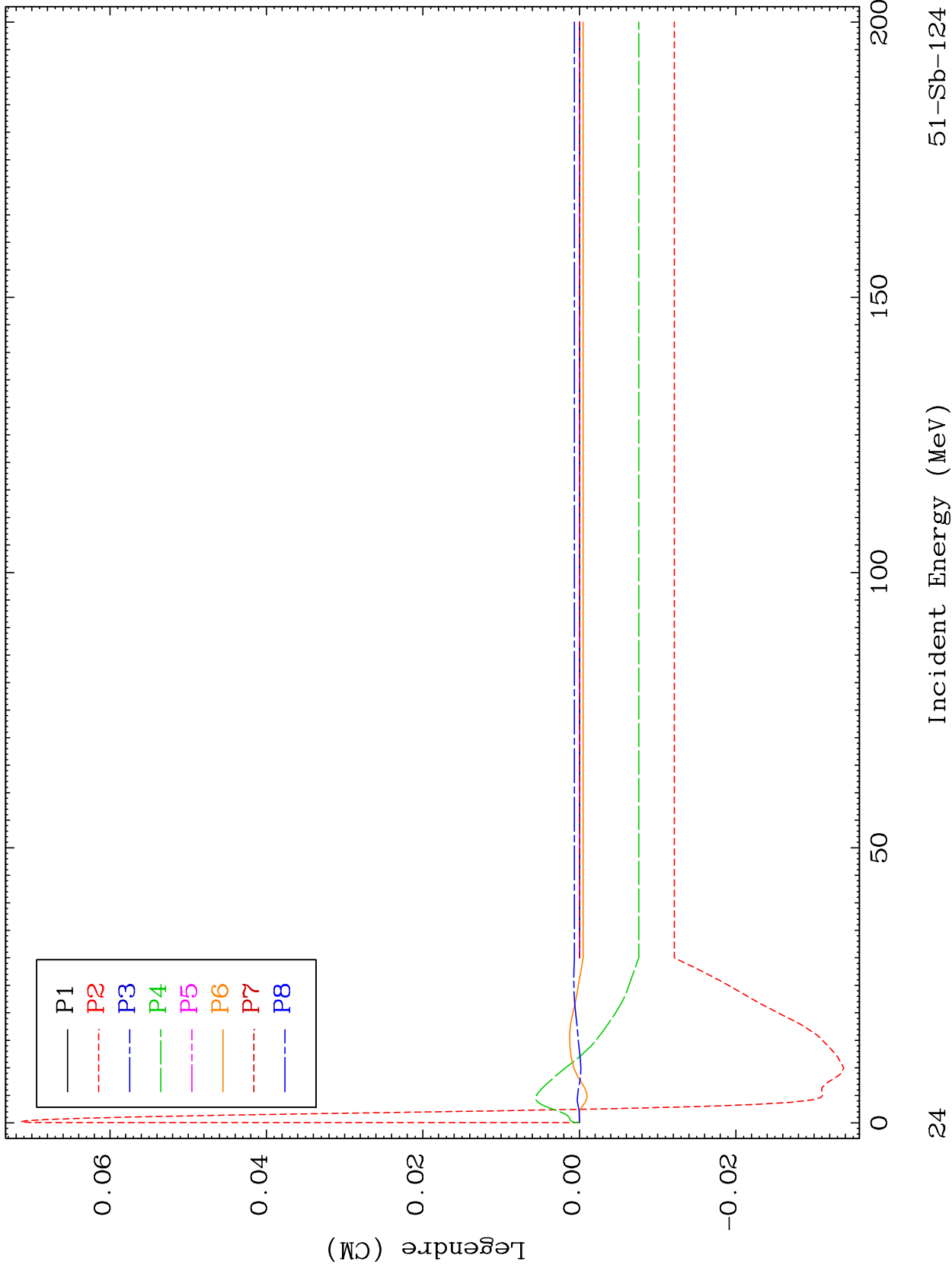


23

MAT 5134

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

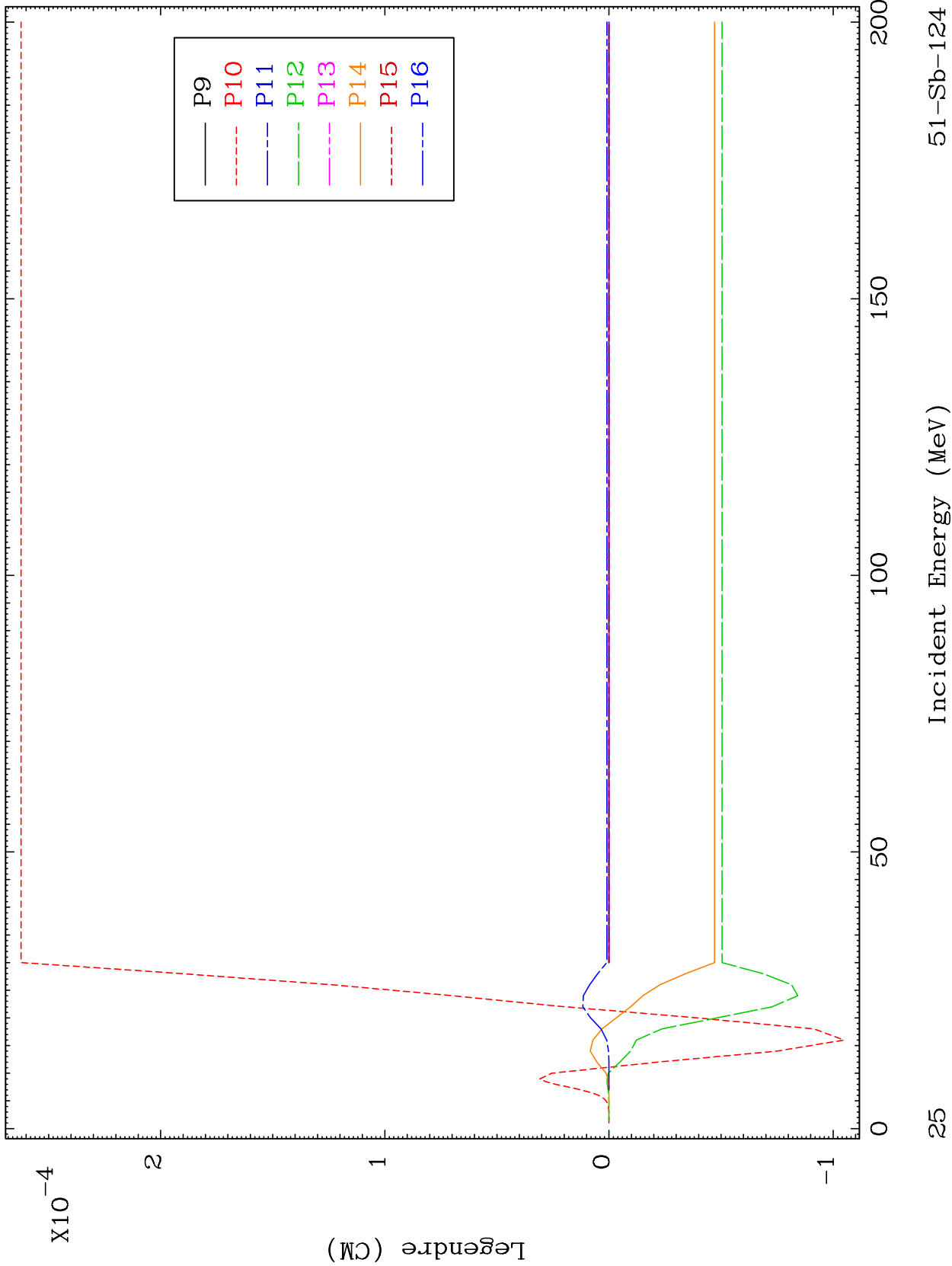
51-Sb-124

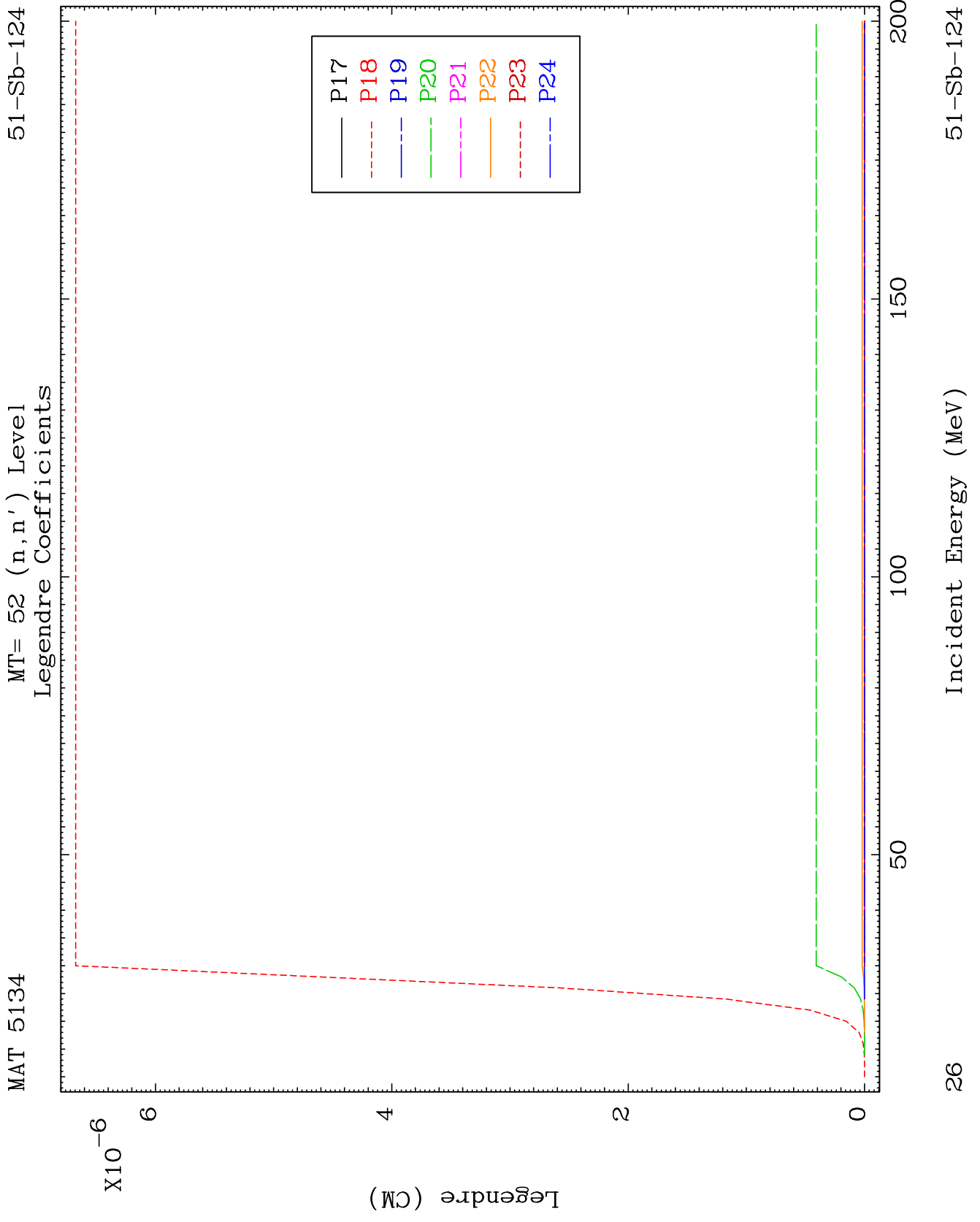


MAT 5134

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

51-Sb-124

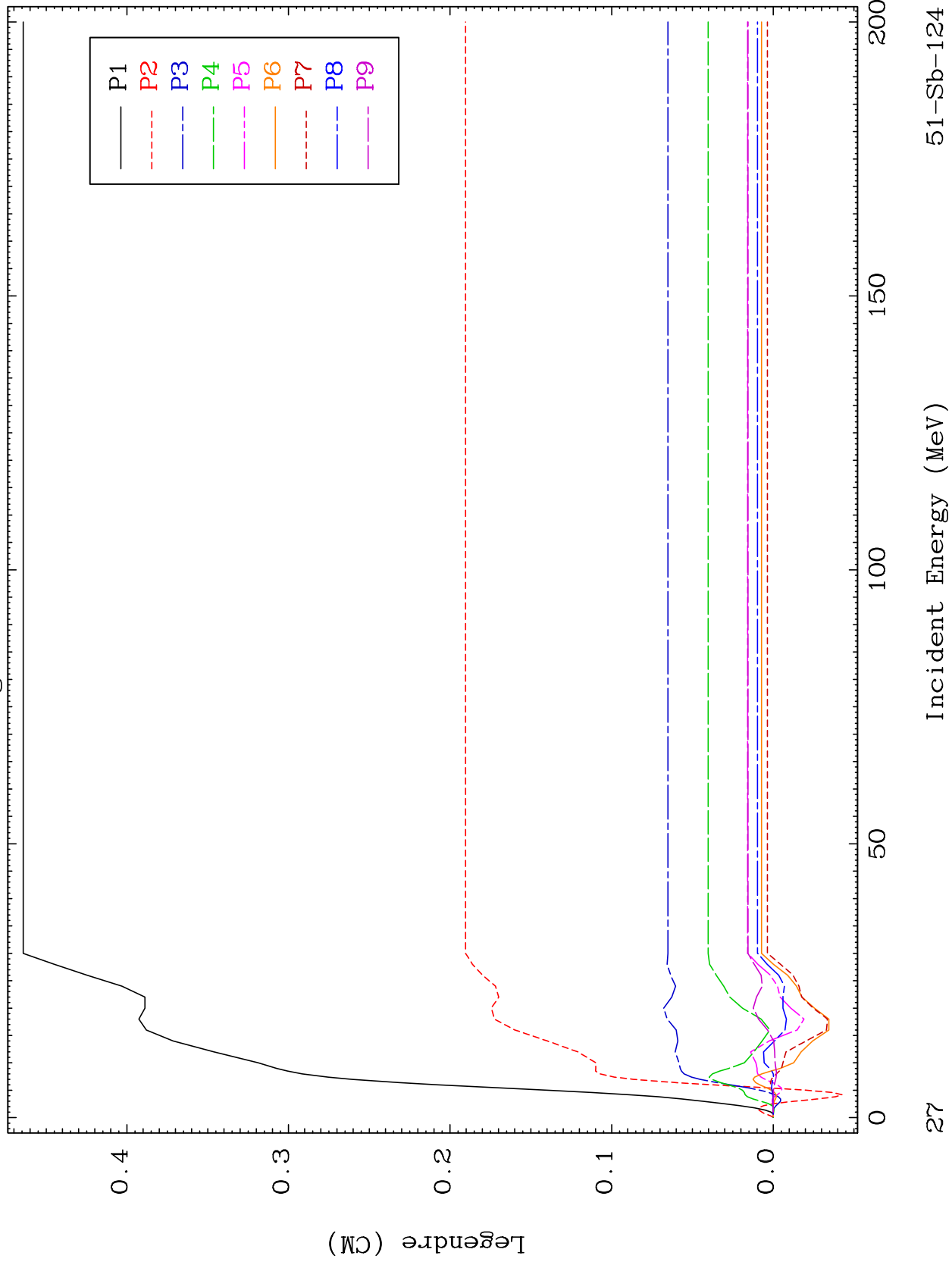




MAT 5134

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

51-Sb-124



51-Sb-124

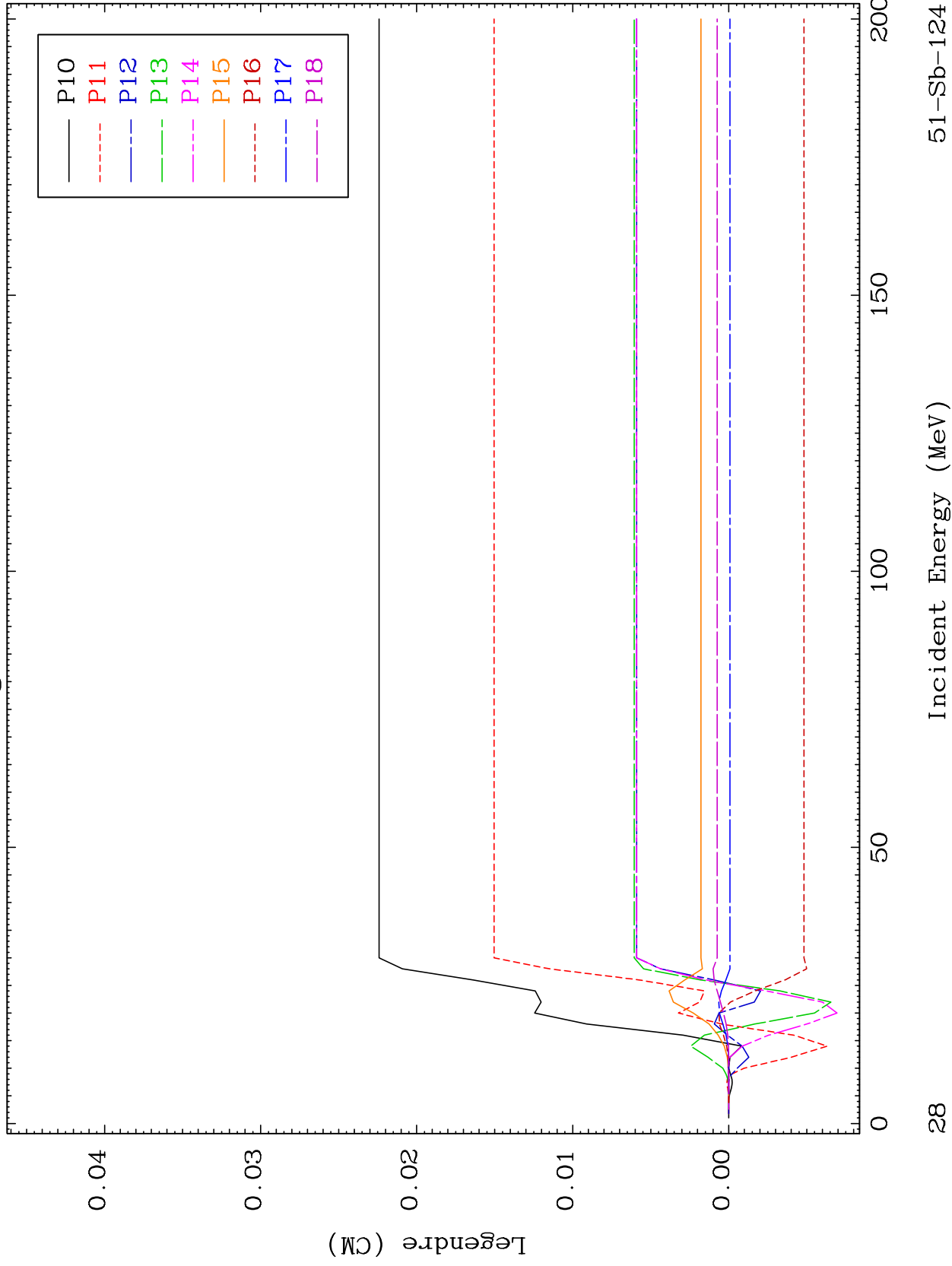
Incident Energy (MeV)

27

MAT 5134

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

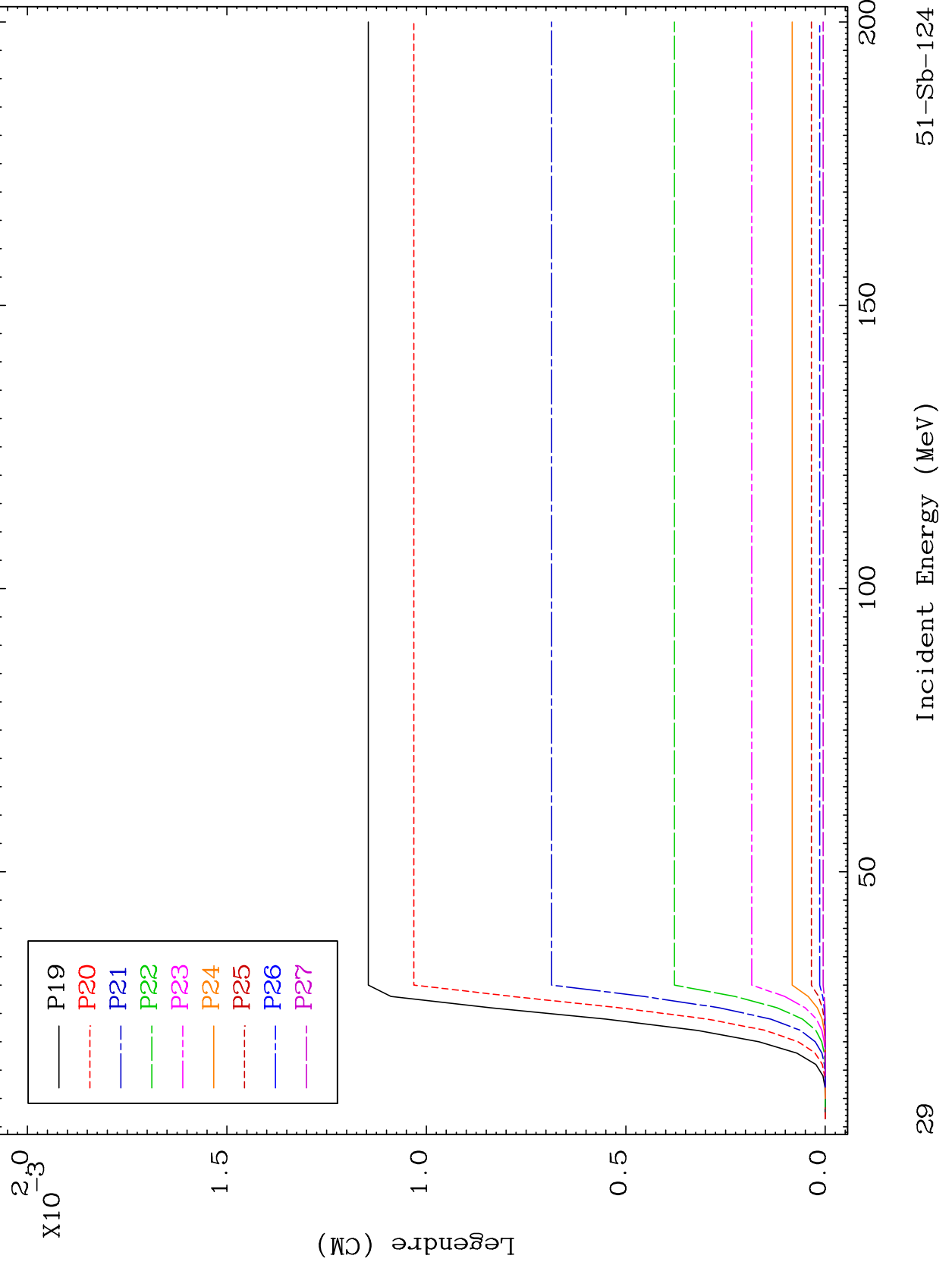
51-Sb-124



51-Sb-124

Incident Energy (MeV)

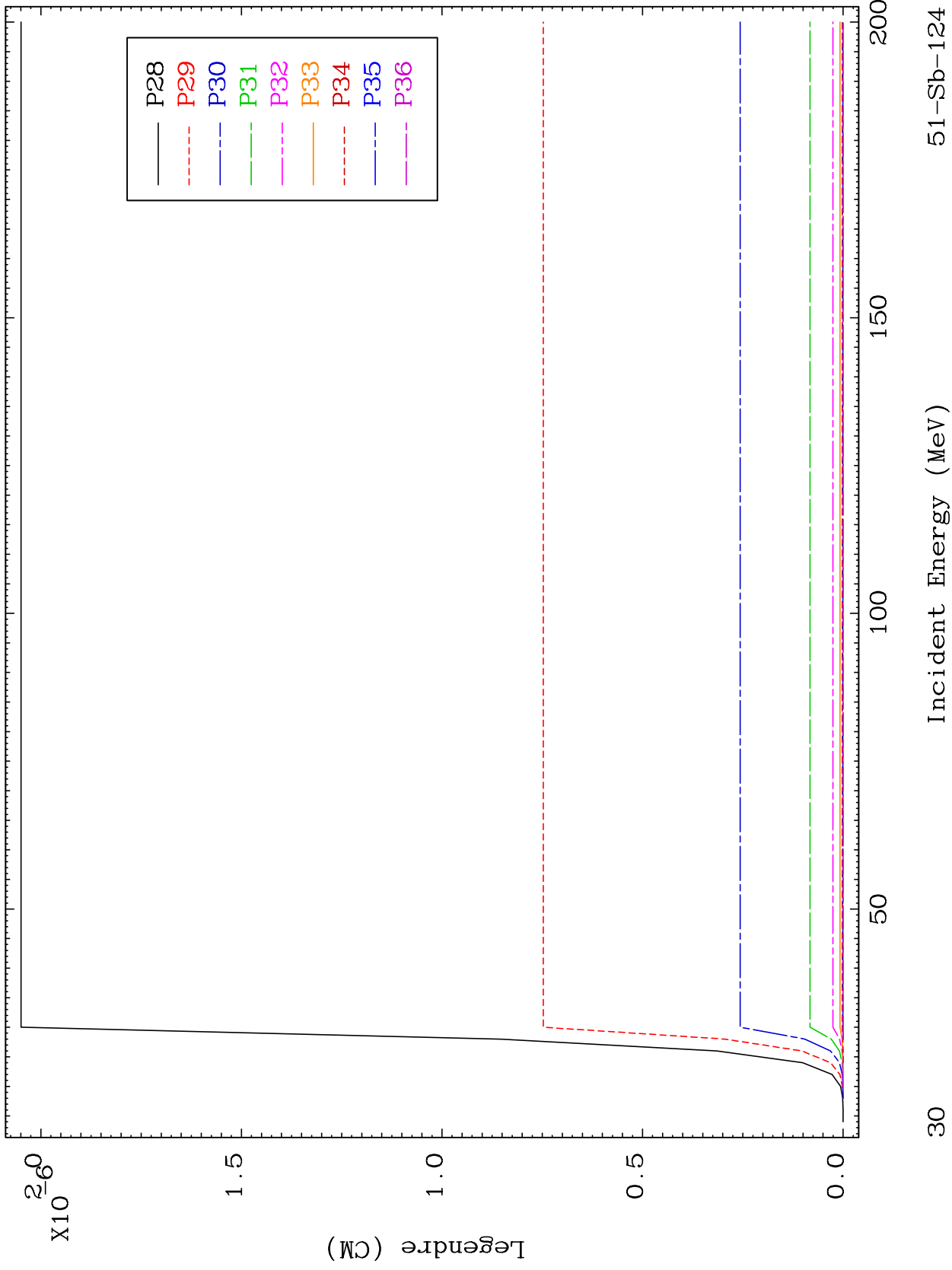
28



MAT 5134

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

51-Sb-124



30

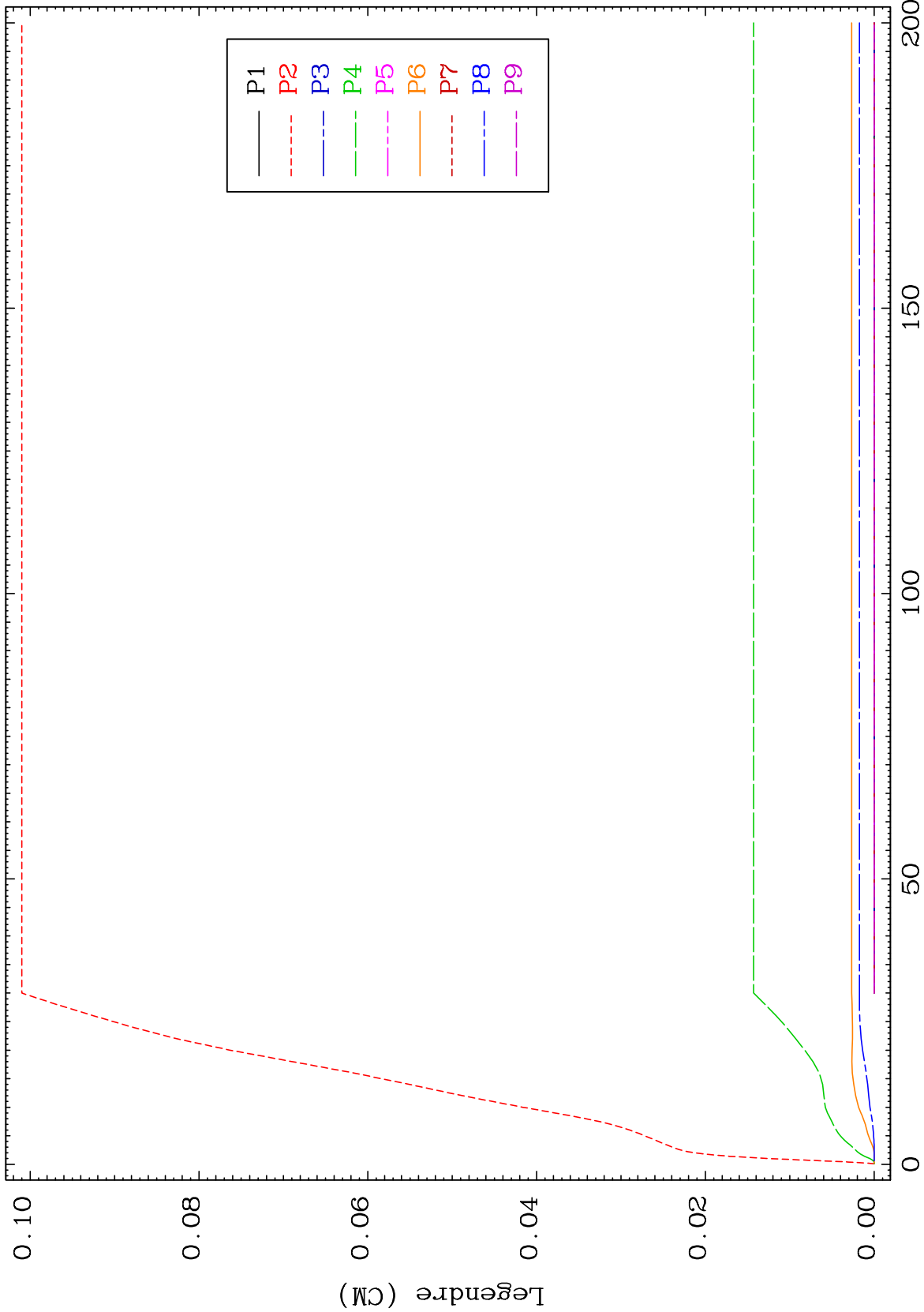
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



31

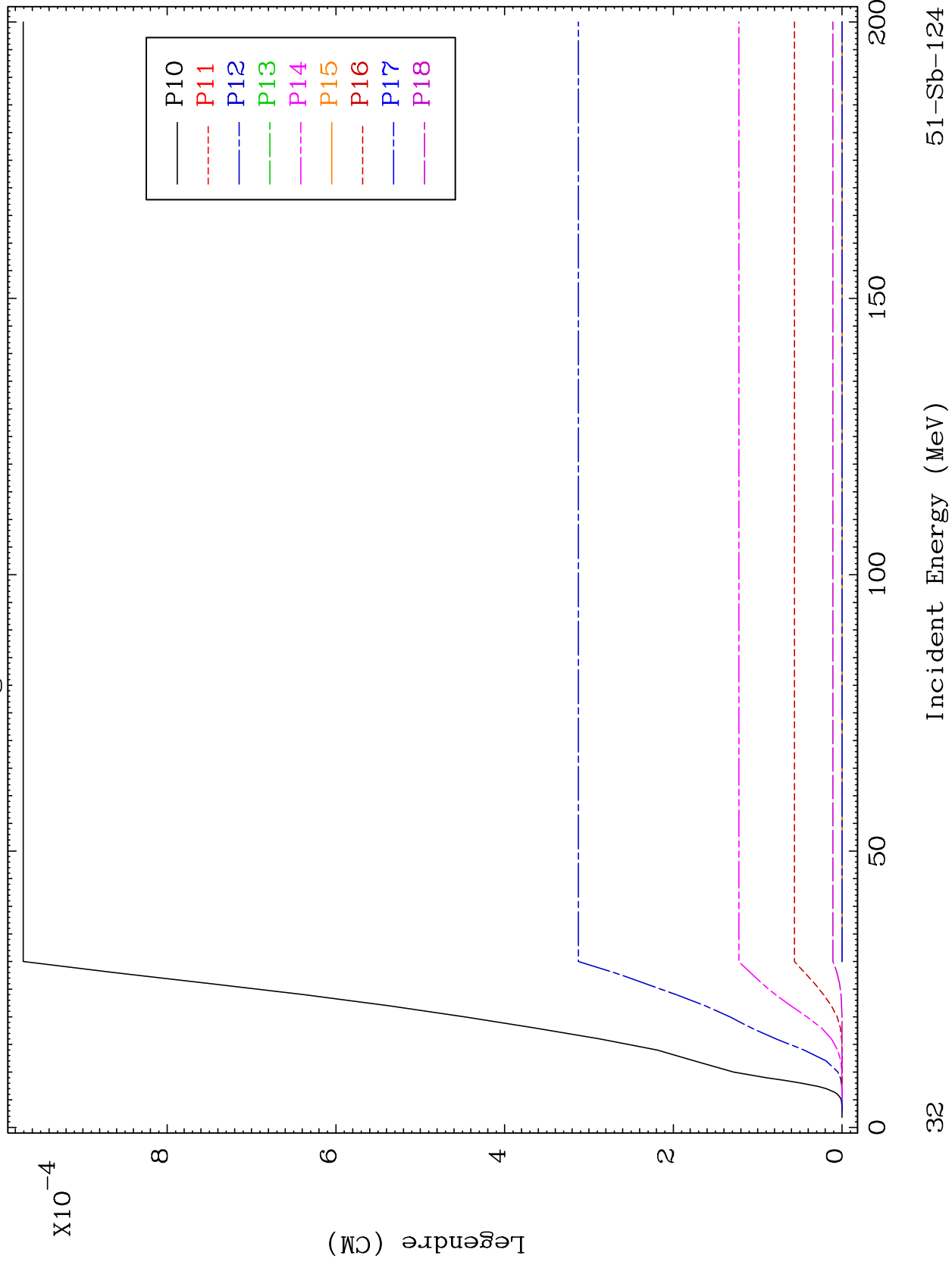
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



51-Sb-124

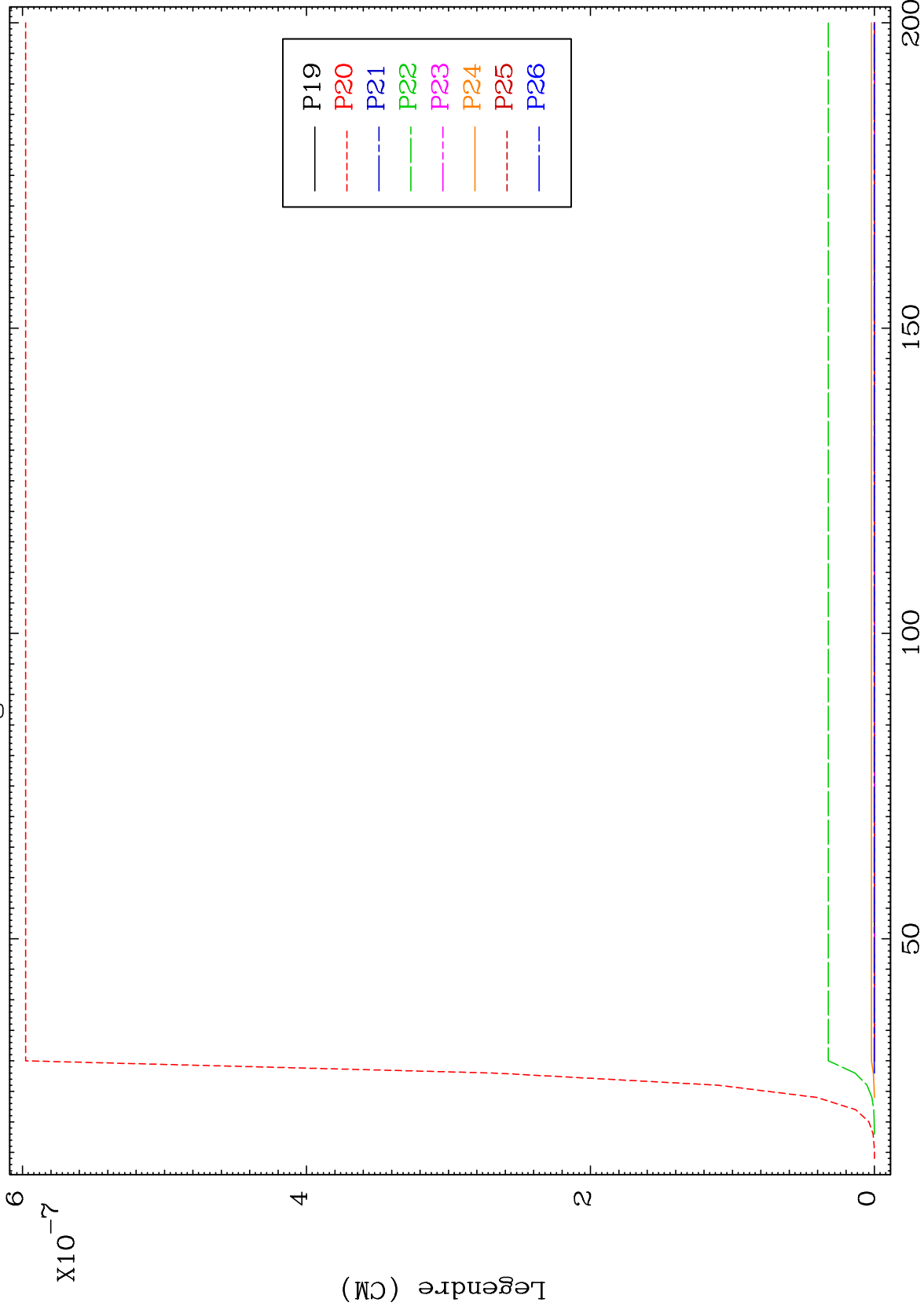
Incident Energy (MeV)

32

MAT 5134

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

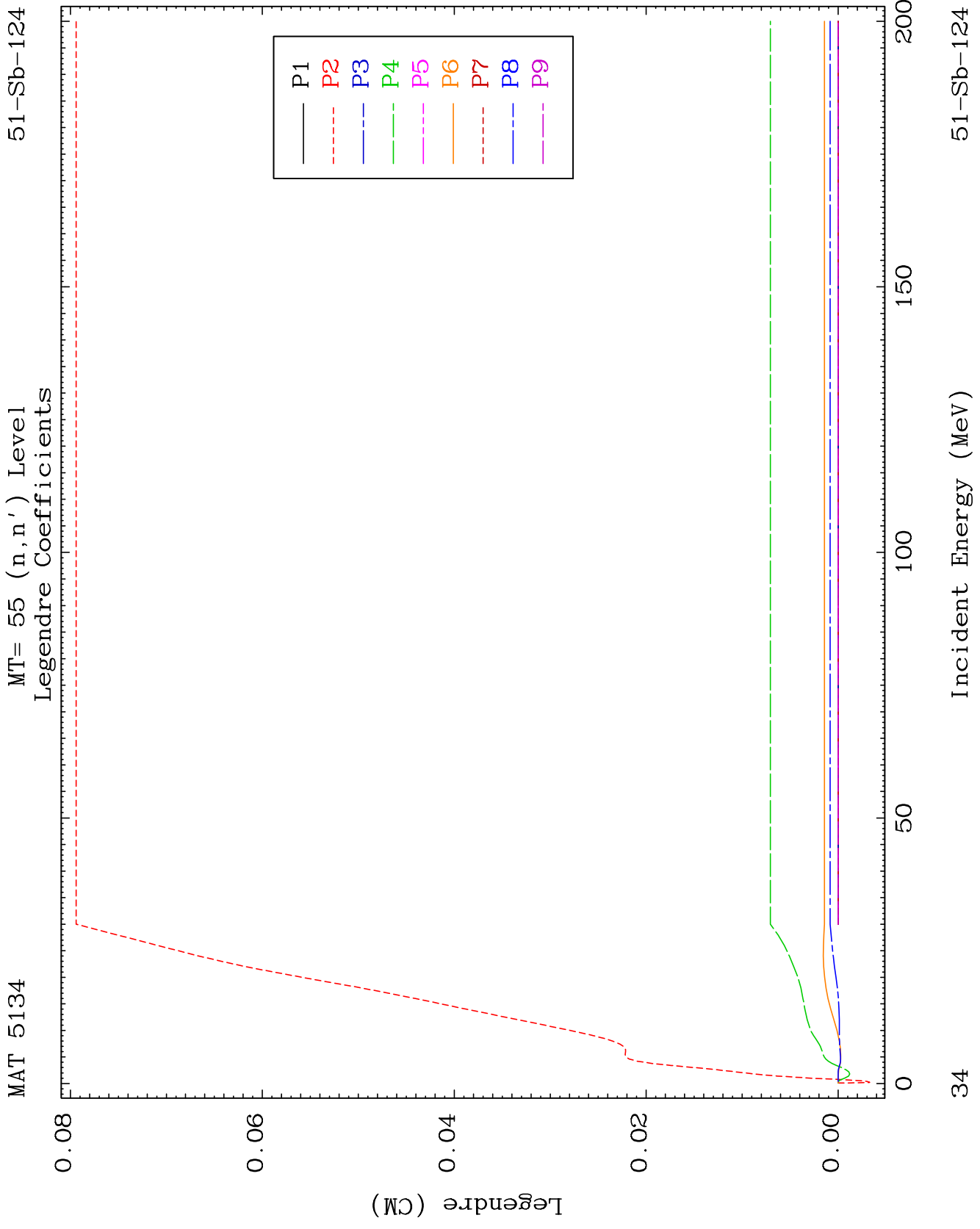
51-Sb-124



51-Sb-124

Incident Energy (MeV)

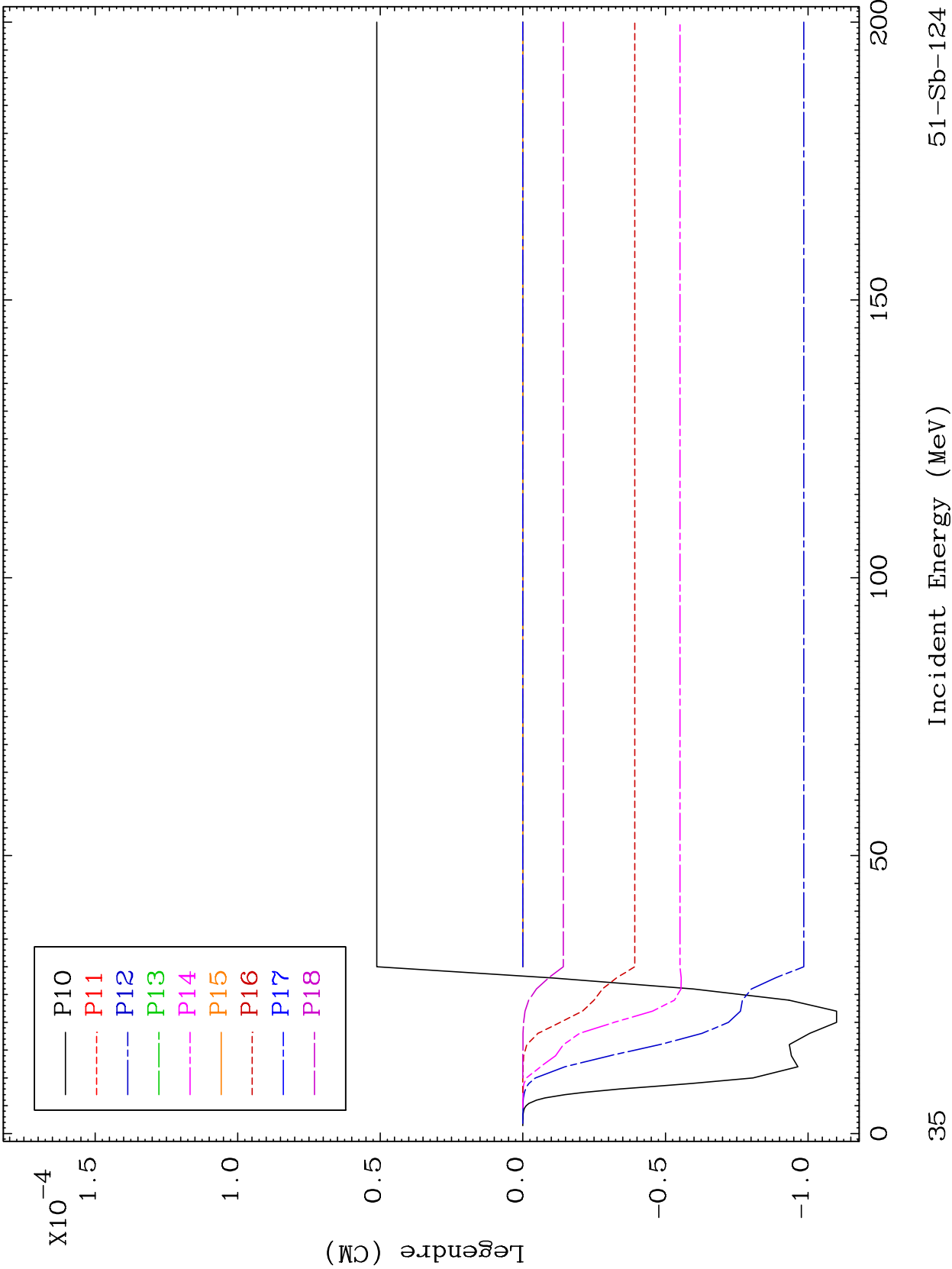
33



MAT 5134

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

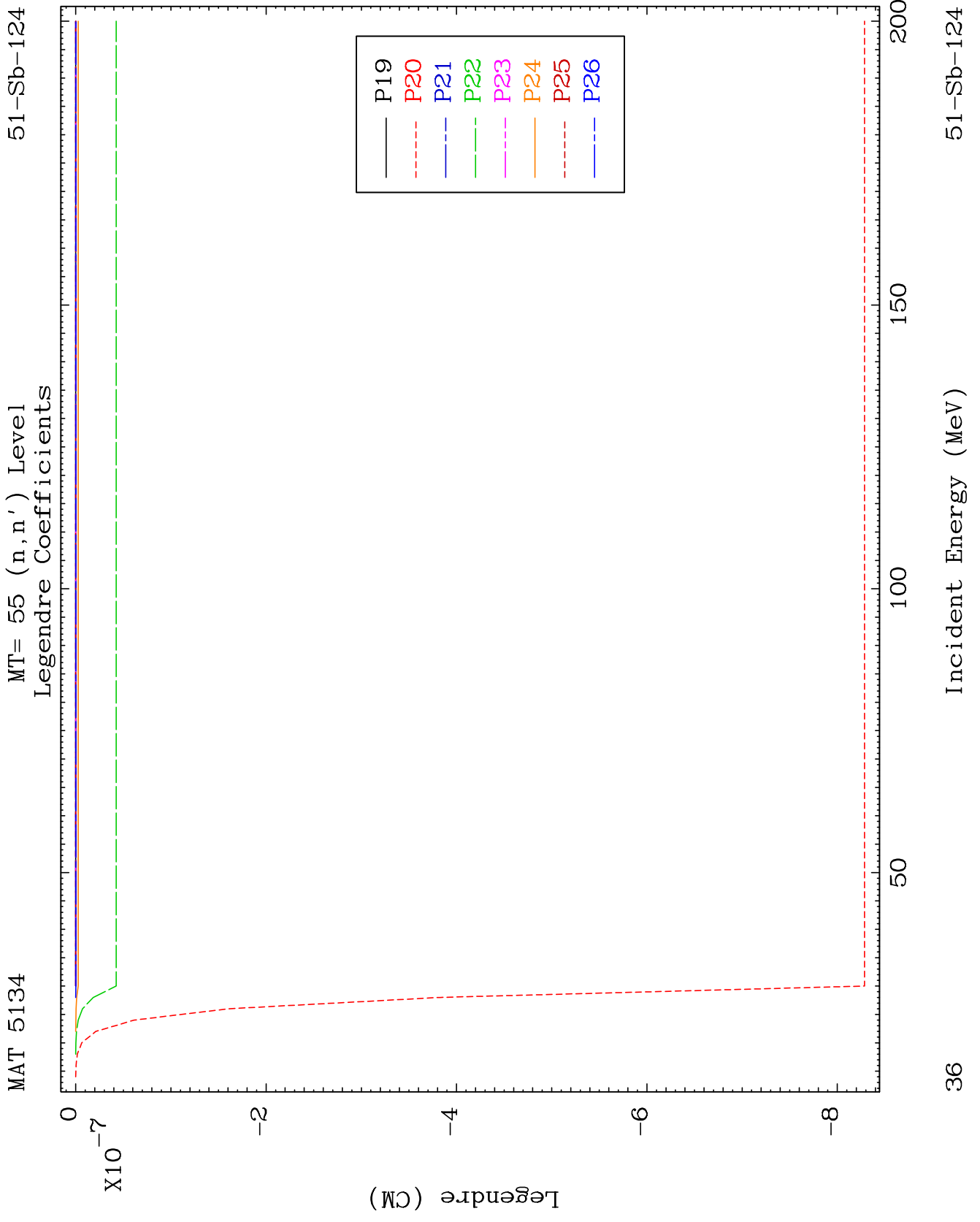
51-Sb-124



35

51-Sb-124

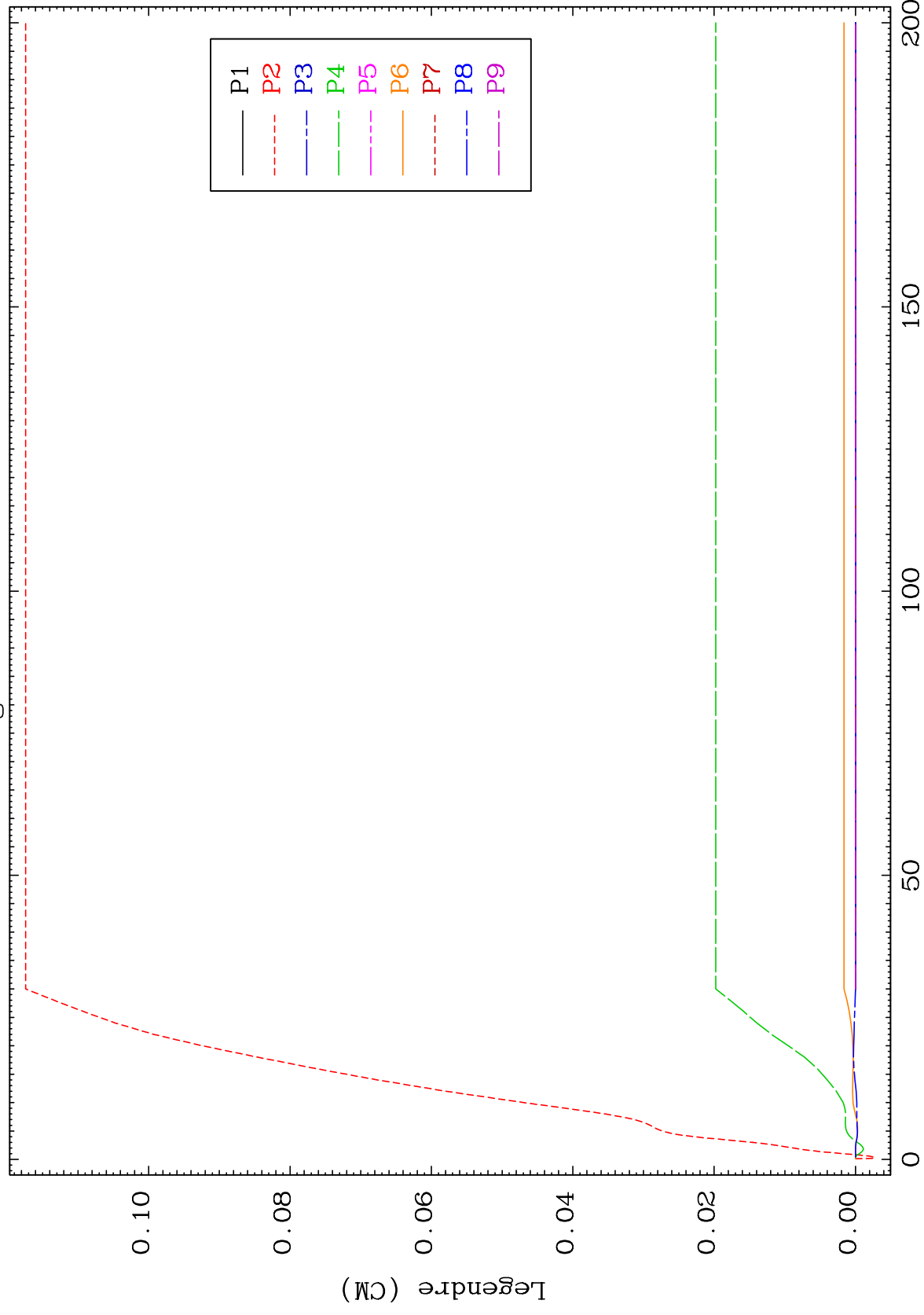
51-Sb-124



MAT 5134

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

51-Sb-124



37

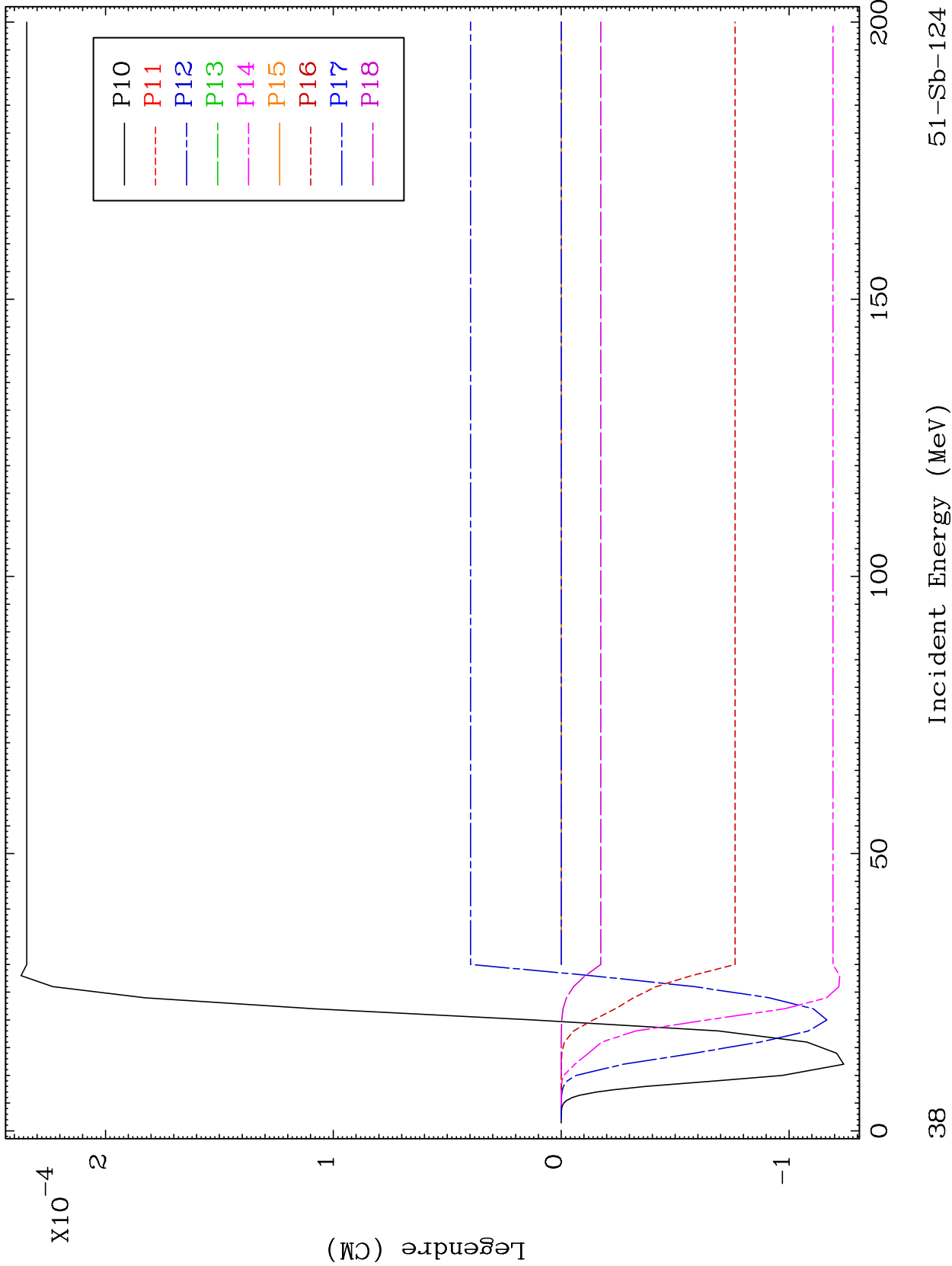
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



51-Sb-124

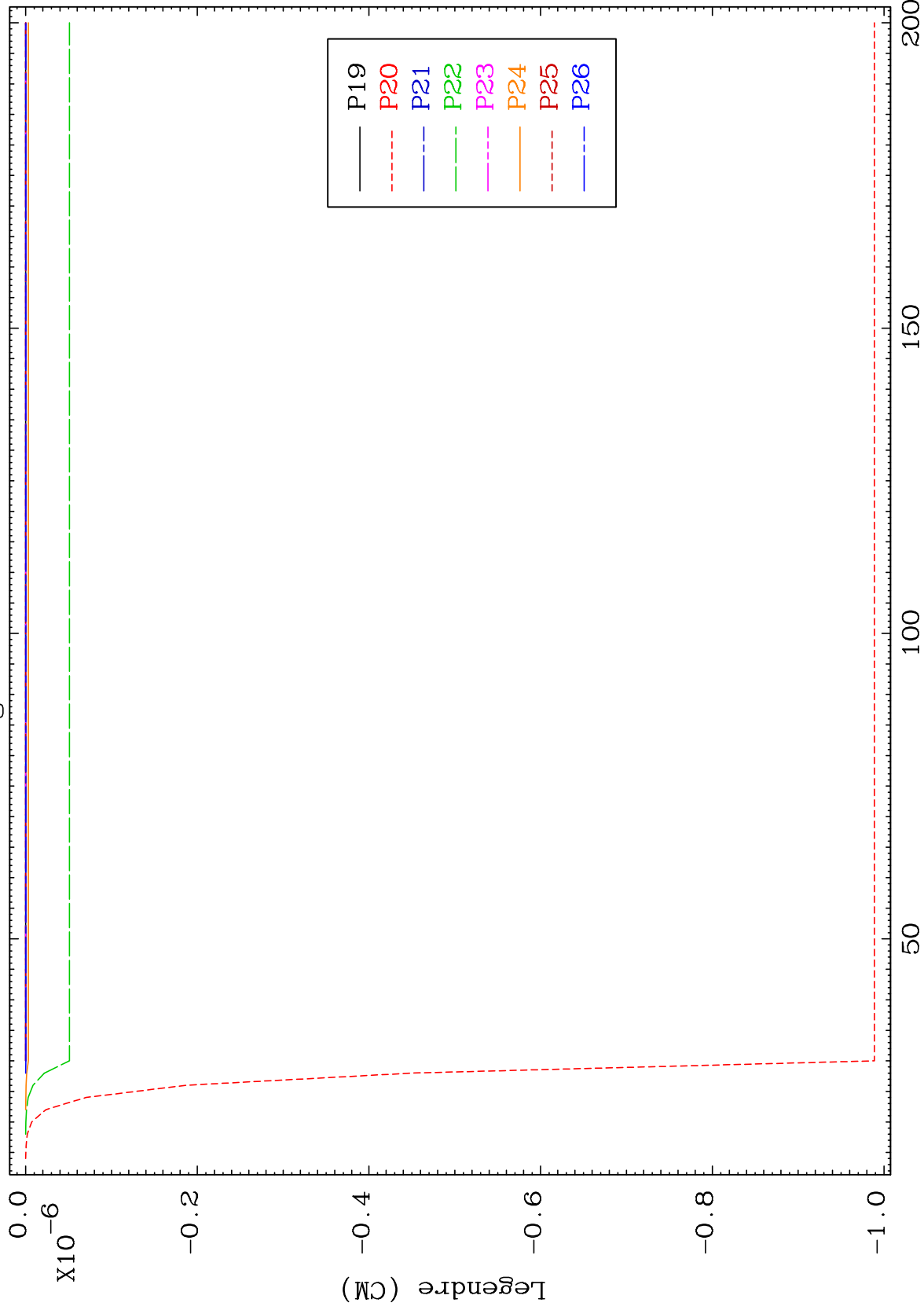
Incident Energy (MeV)

38

MAT 5134

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

51-Sb-124



39

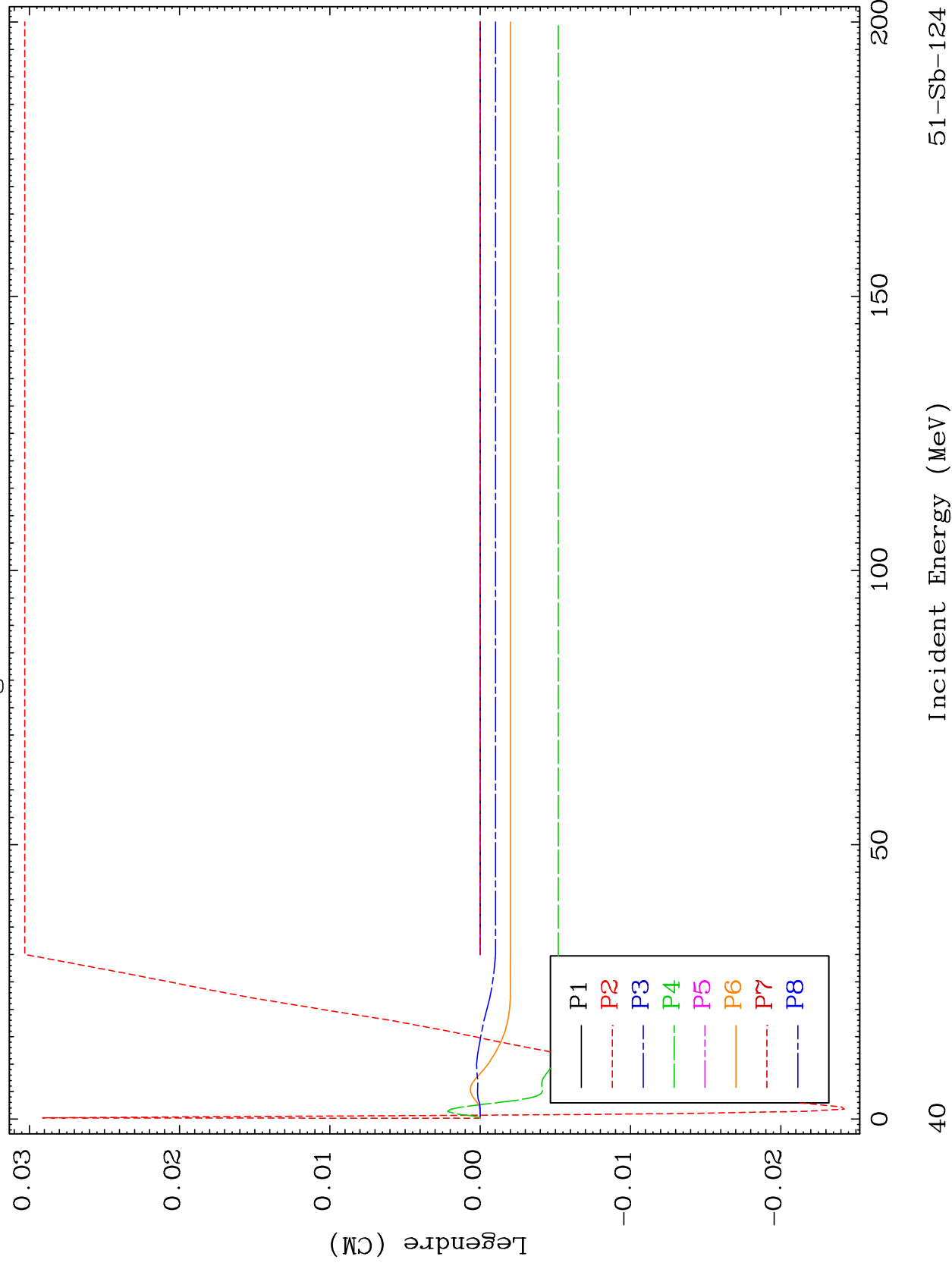
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



51-Sb-124

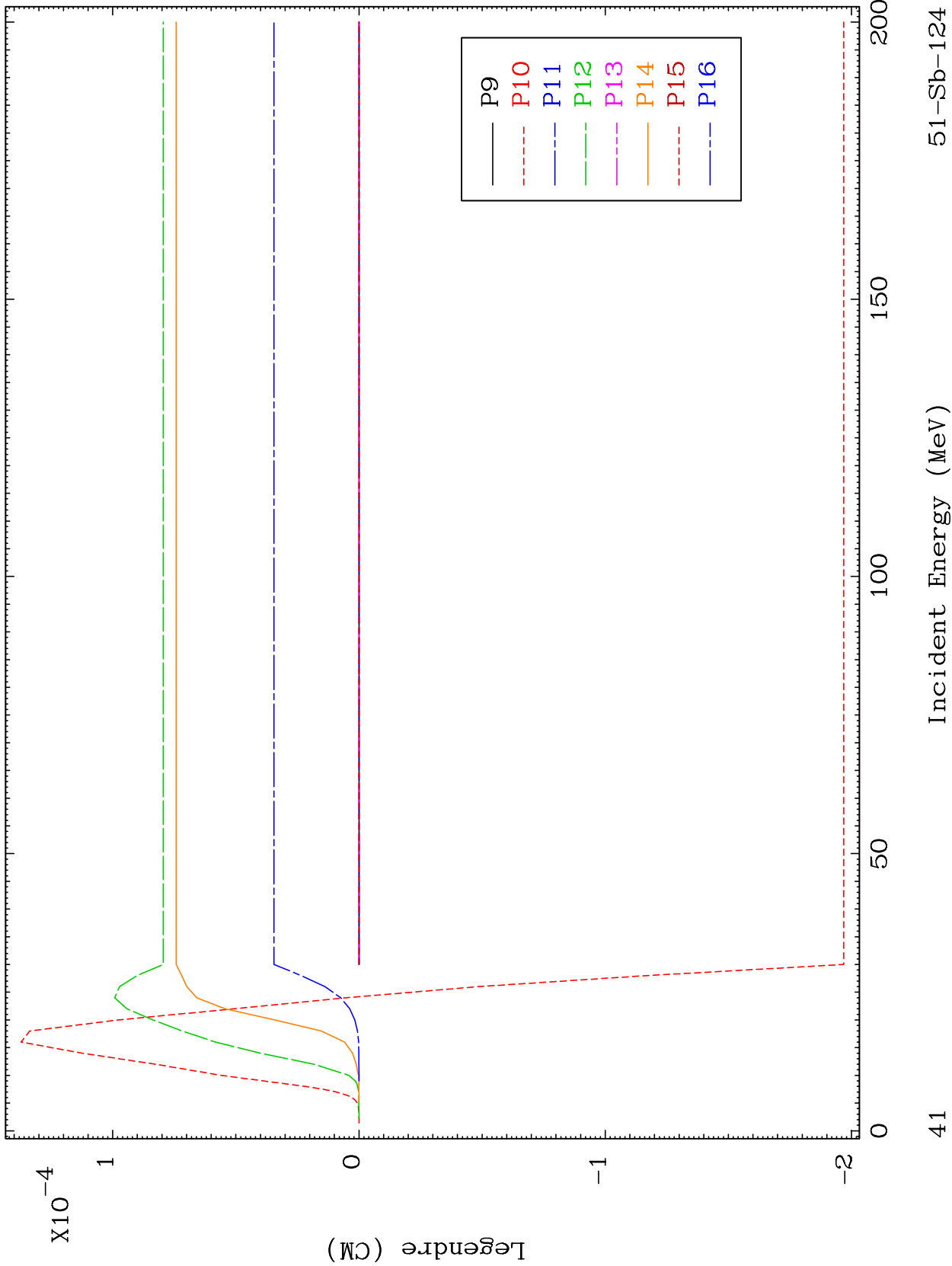
Incident Energy (MeV)

40

MAT 5134

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

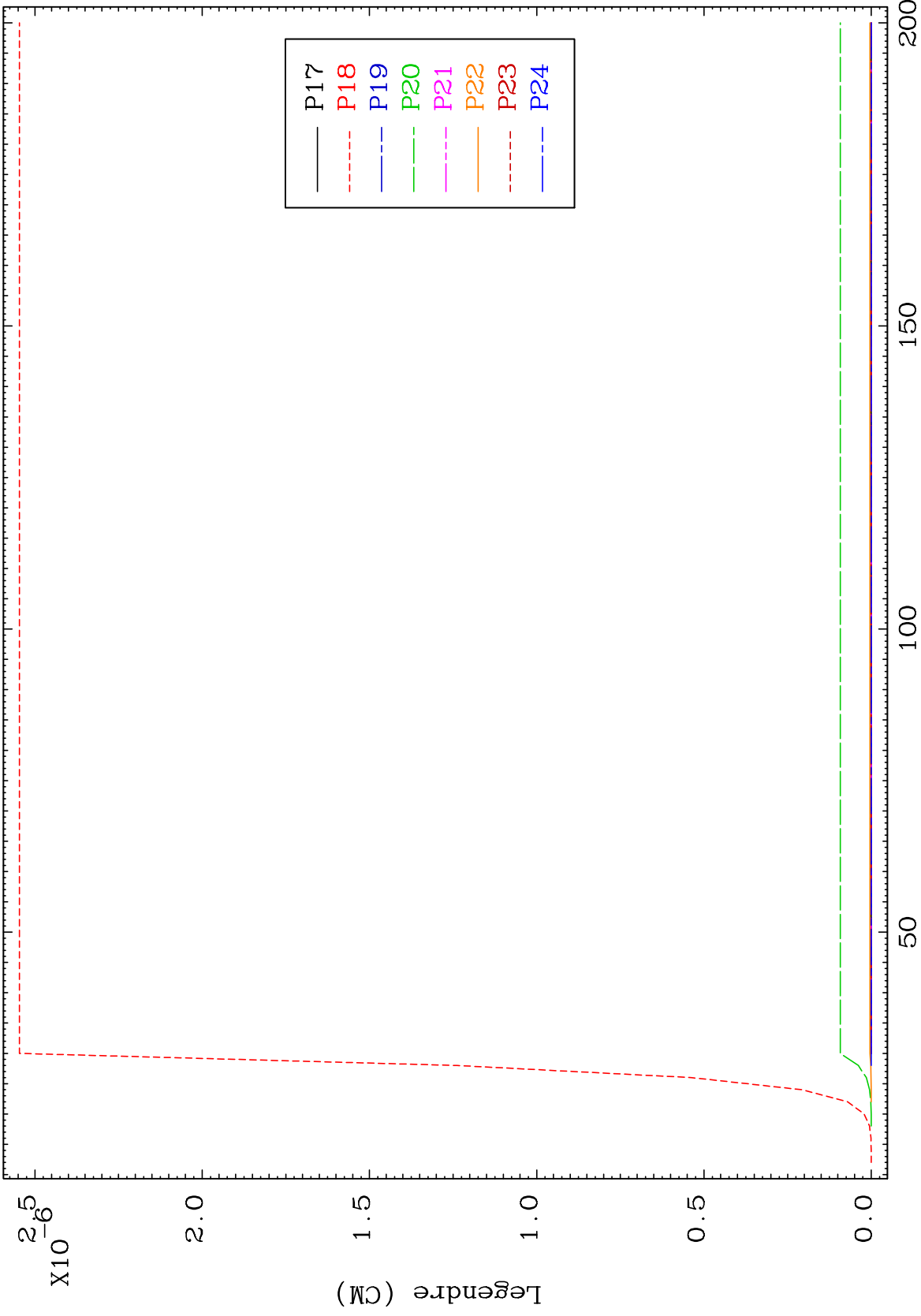
51-Sb-124



MAT 5134

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

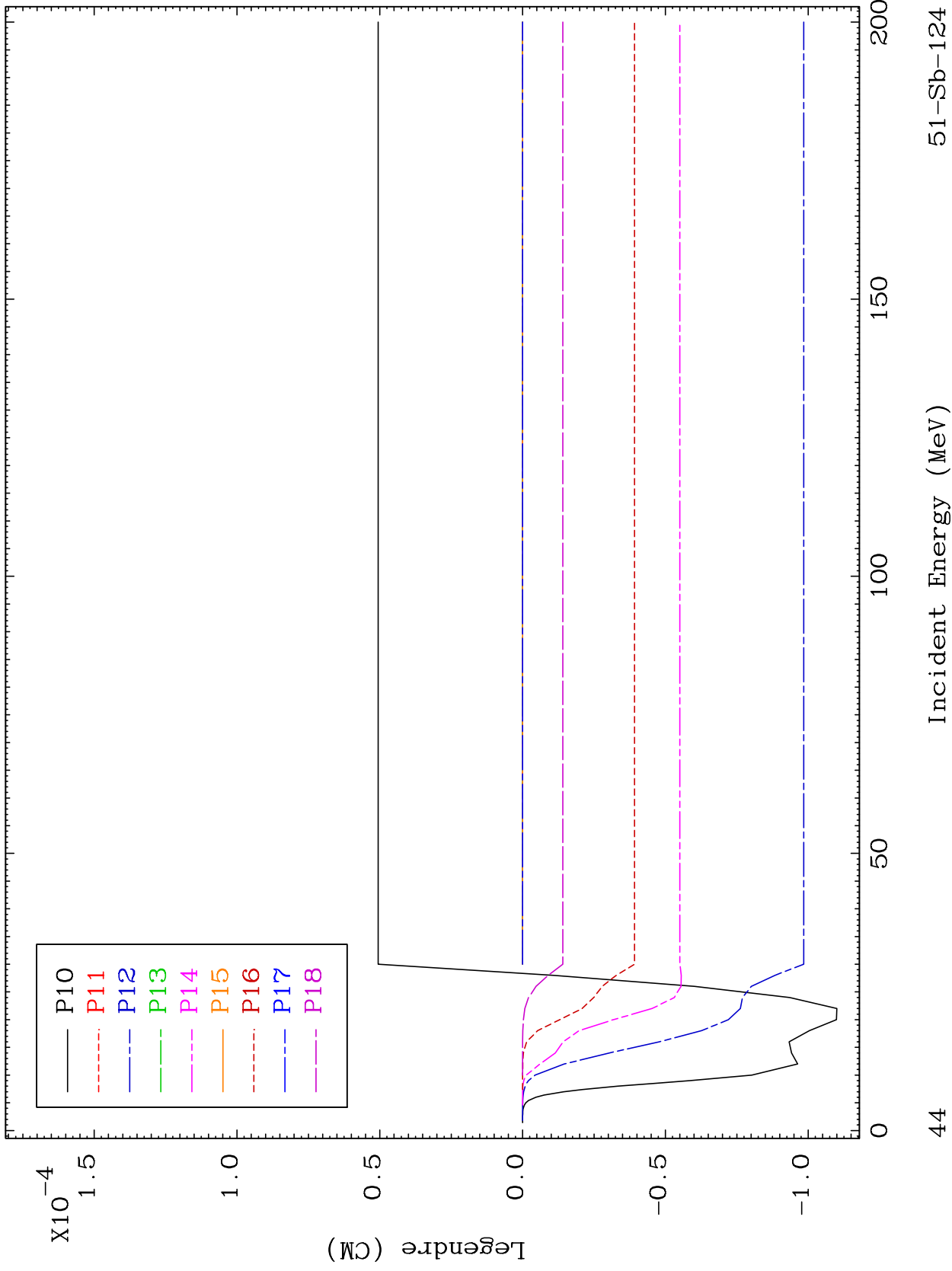
51-Sb-124

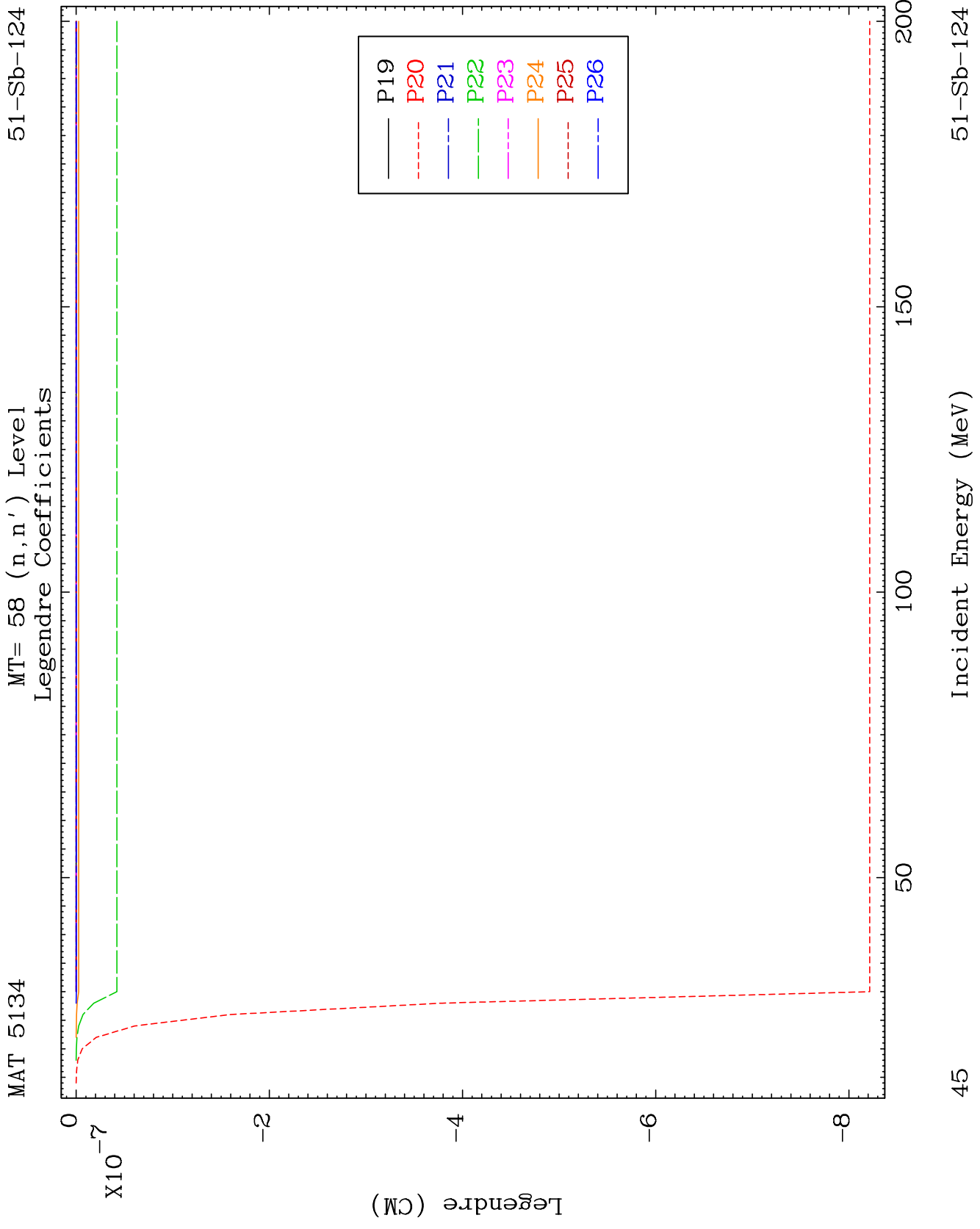


42

Incident Energy (MeV)

51-Sb-124

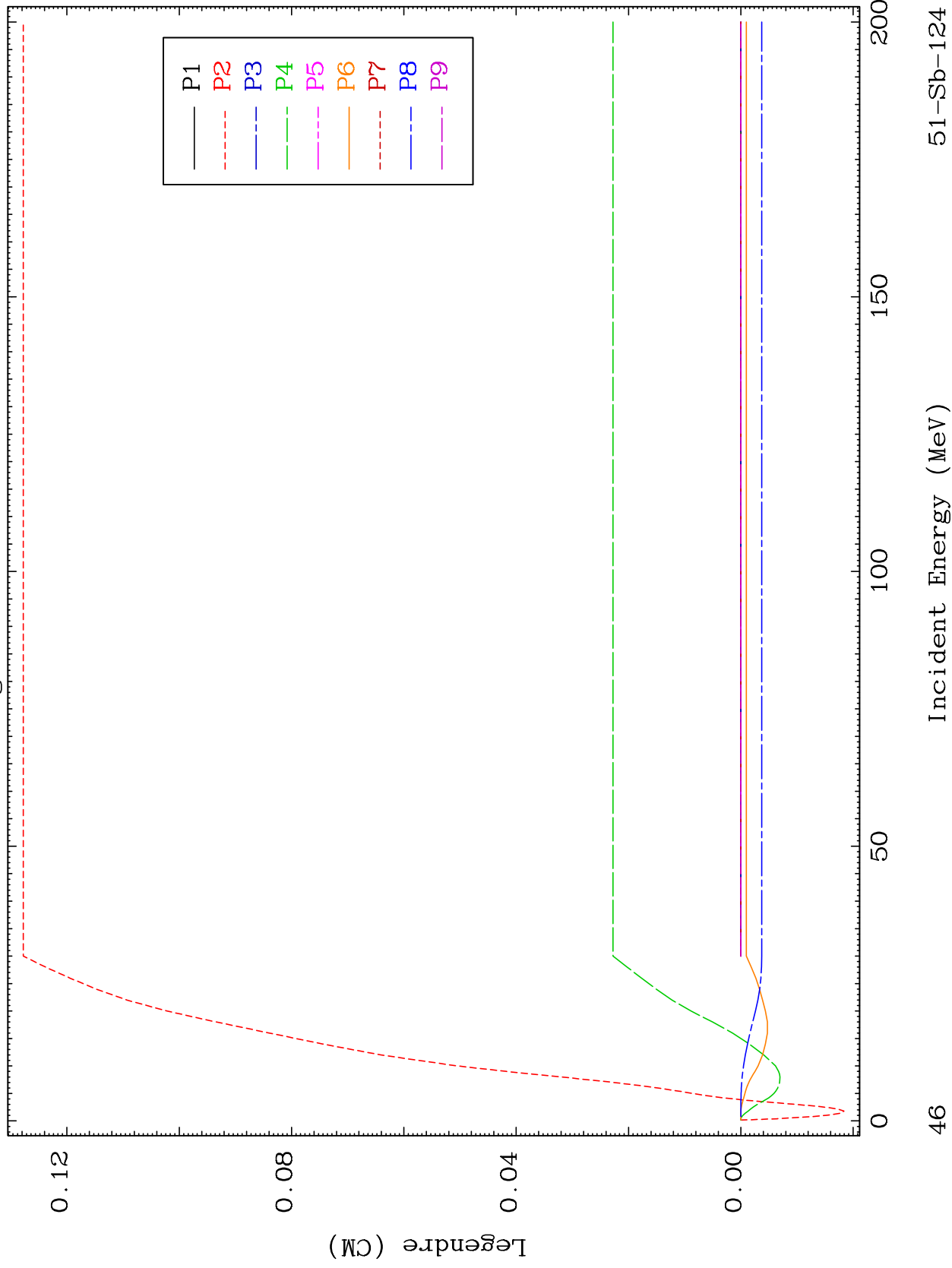




MAT 5134

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

51-Sb-124



51-Sb-124

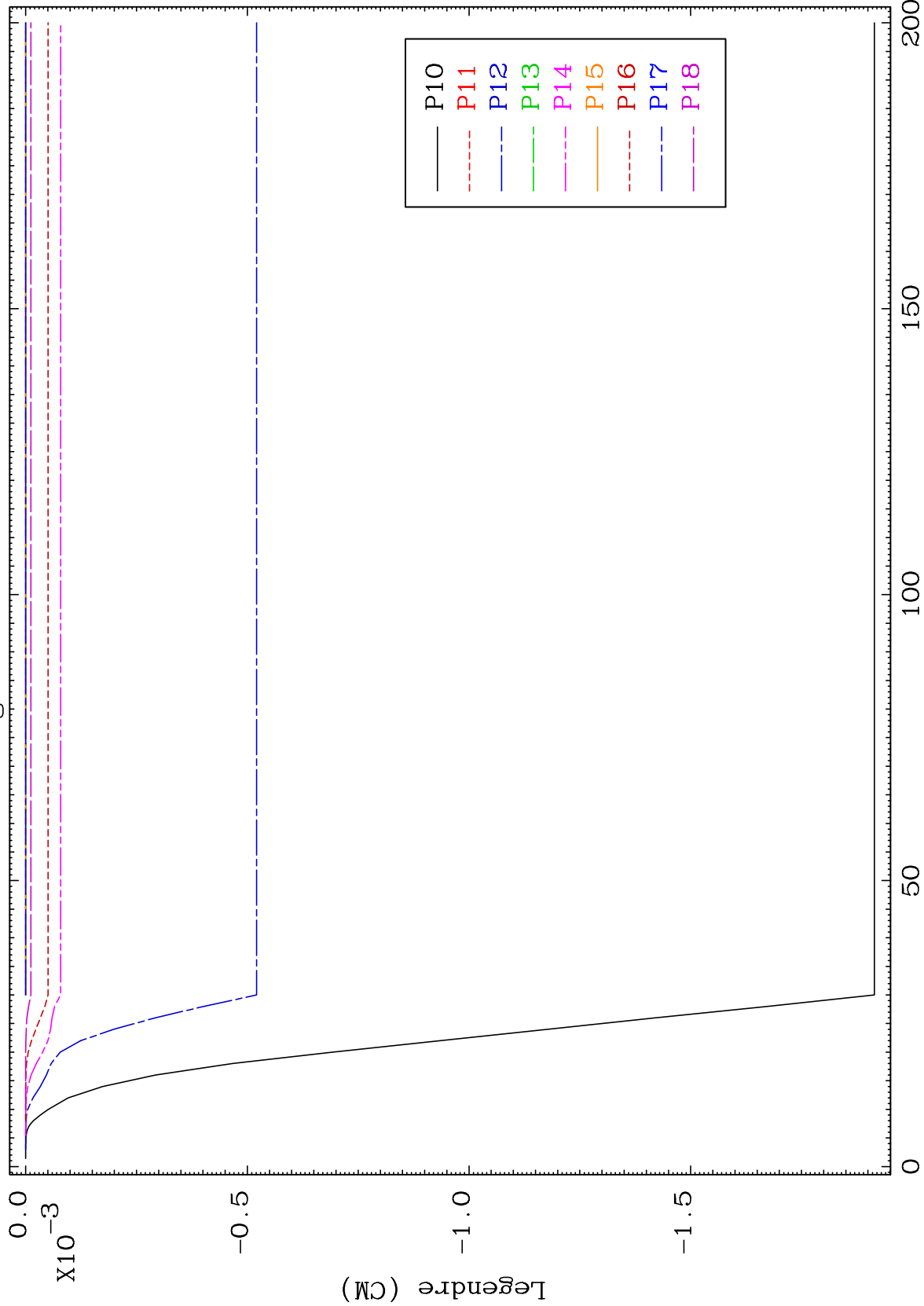
Incident Energy (MeV)

46

MAT 5134

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

51-Sb-124



47

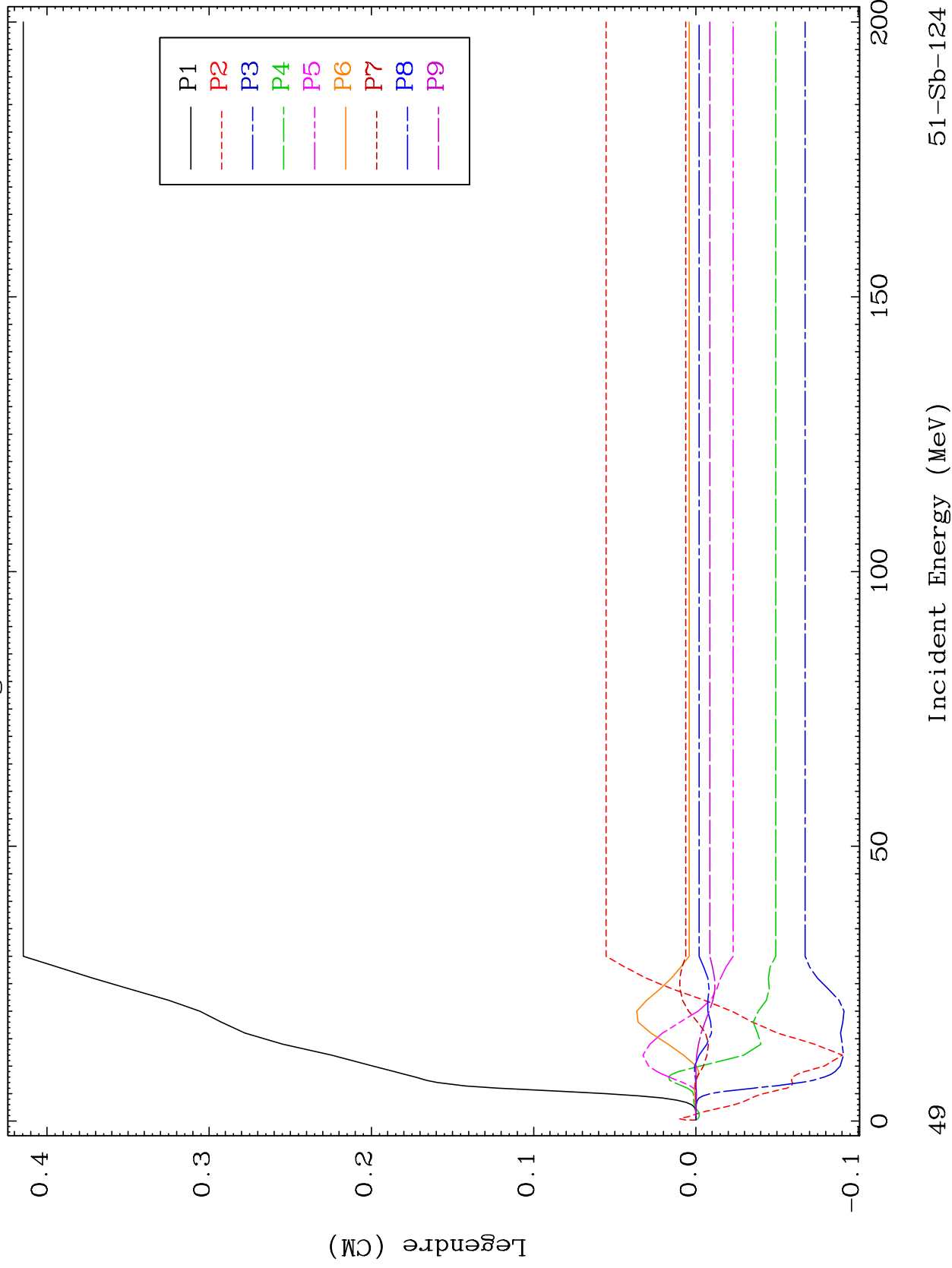
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

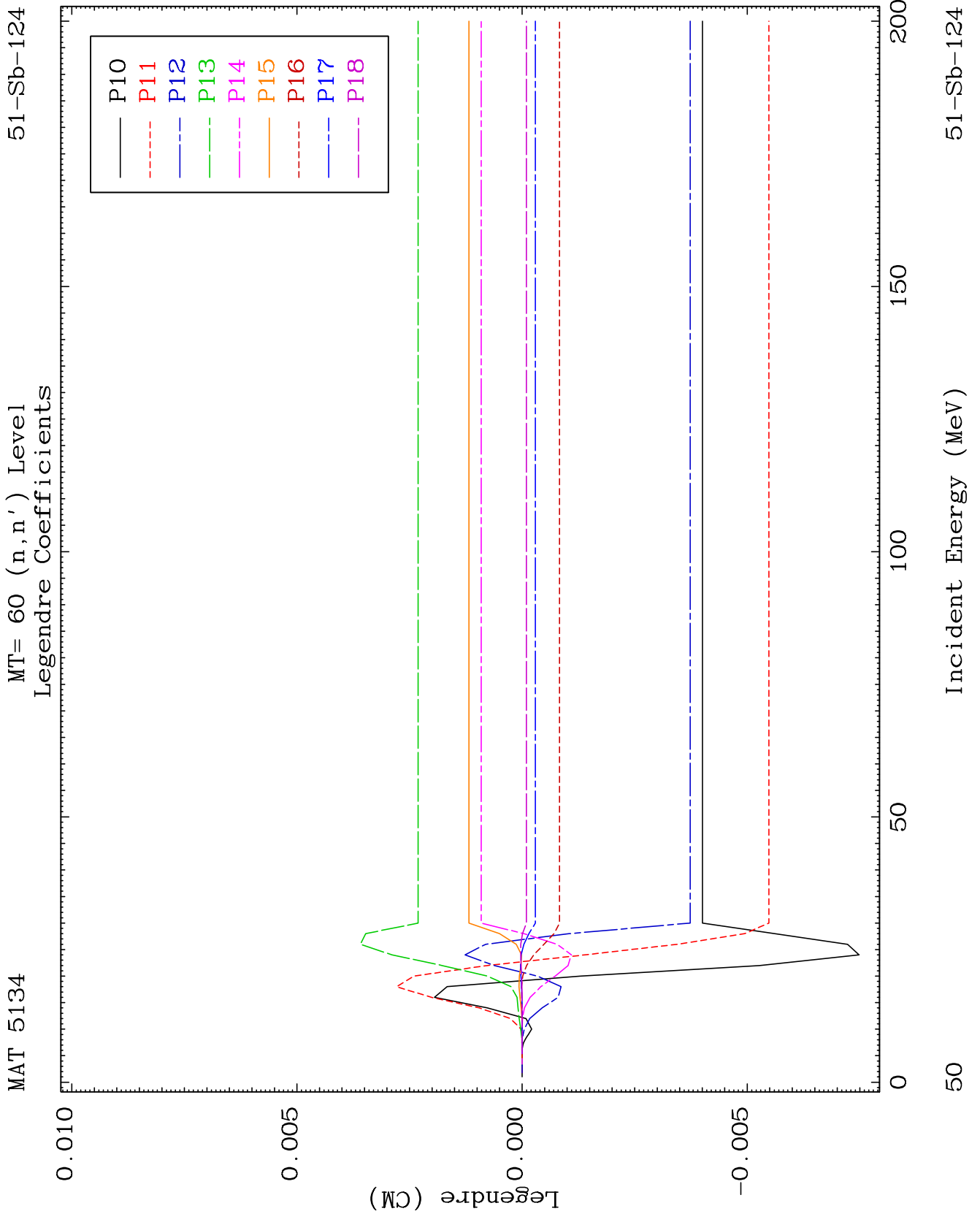
51-Sb-124



51-Sb-124

Incident Energy (MeV)

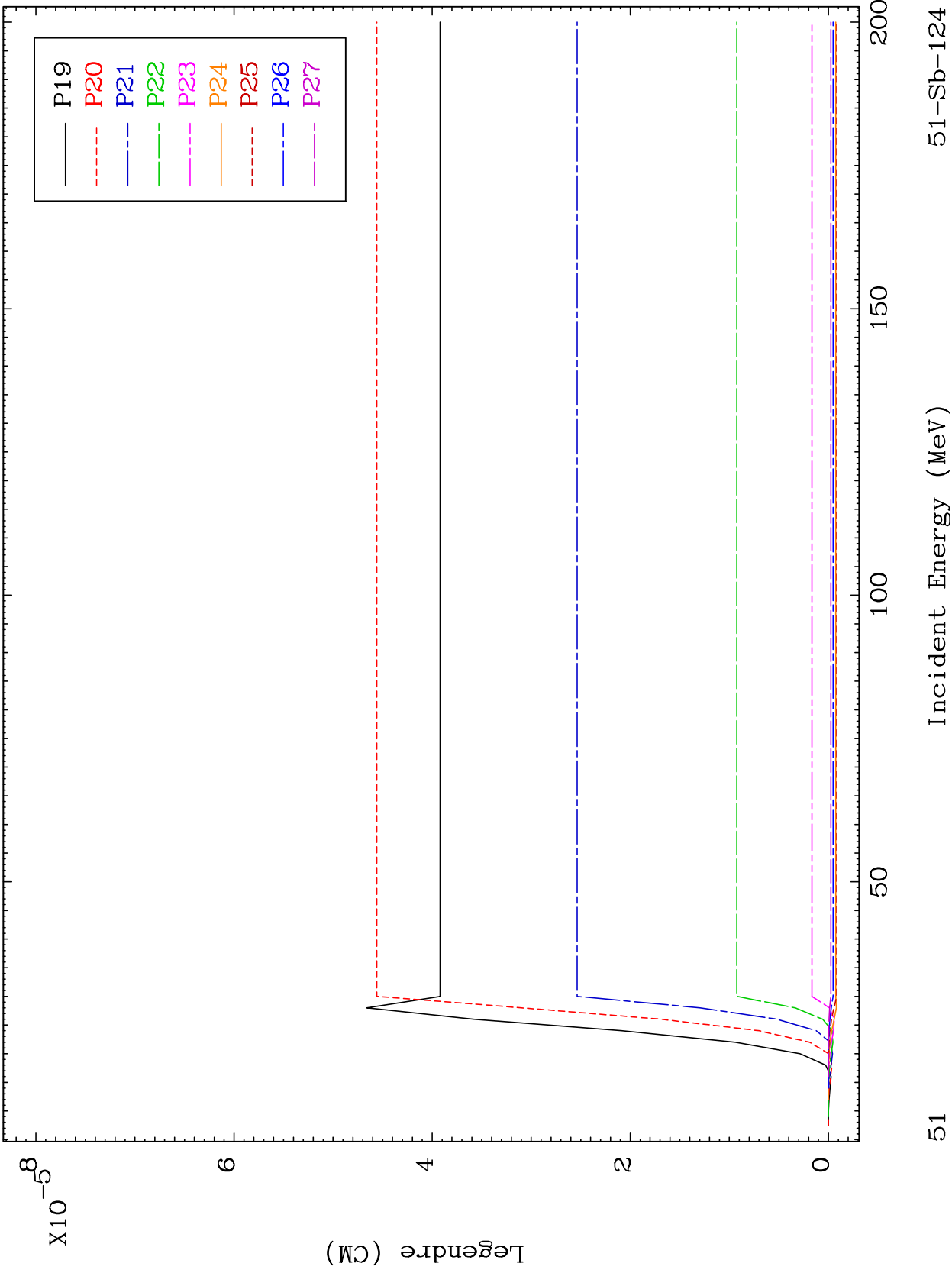
49



MAT 5134

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

51-Sb-124



51

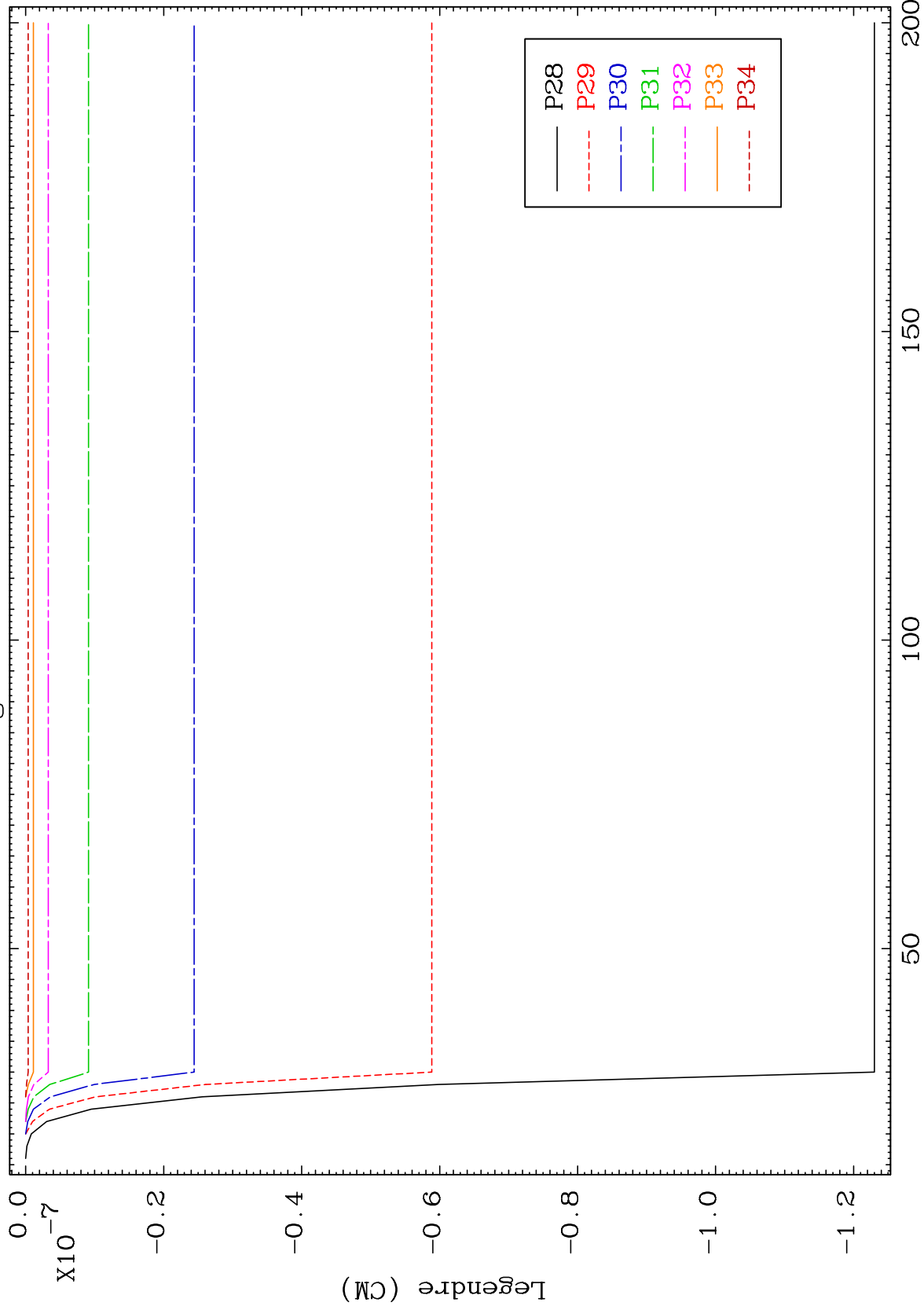
51-Sb-124

MAT 5134

MT= 60 (n,n') Level

51-Sb-124

Legendre Coefficients



52

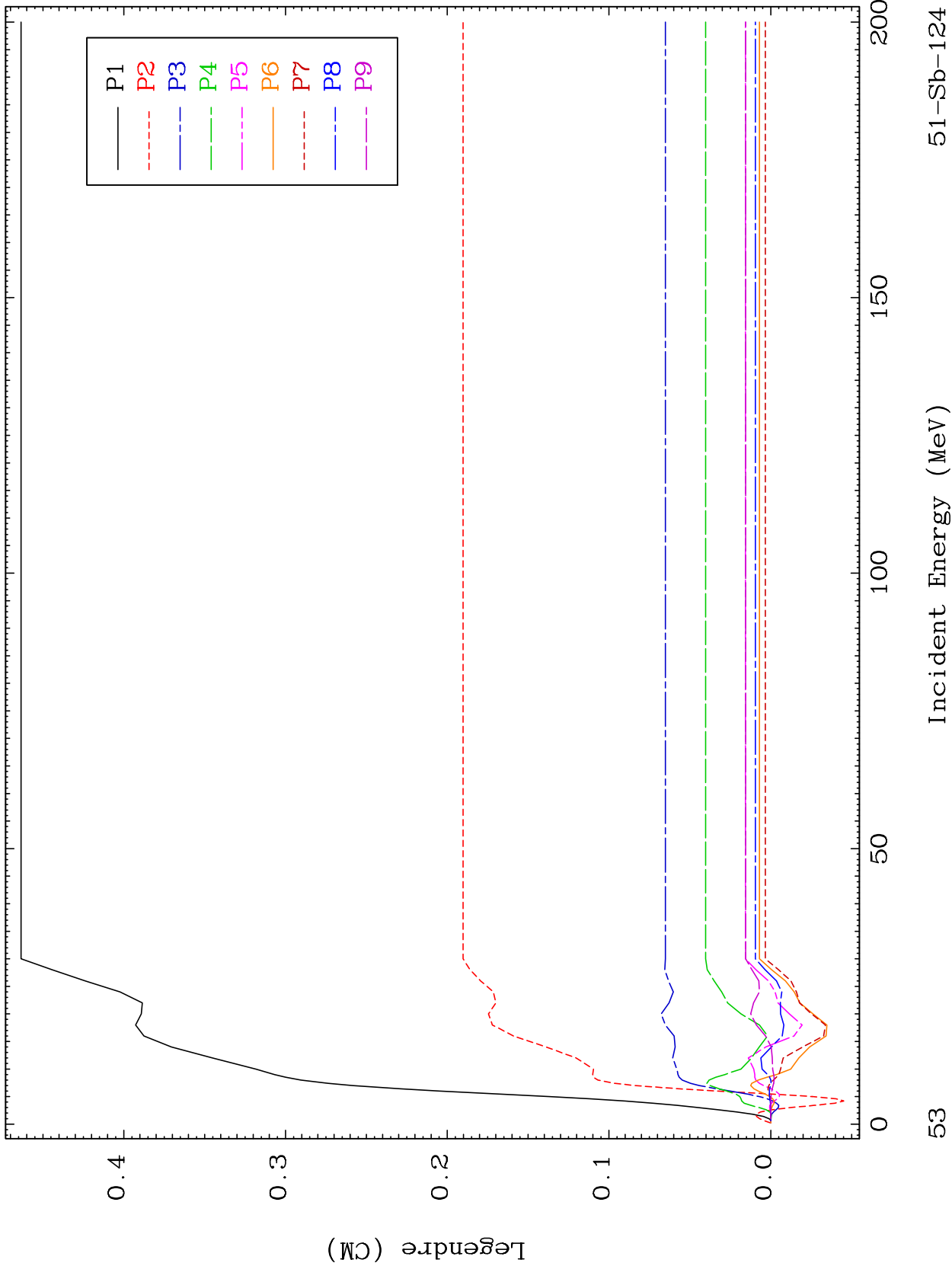
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



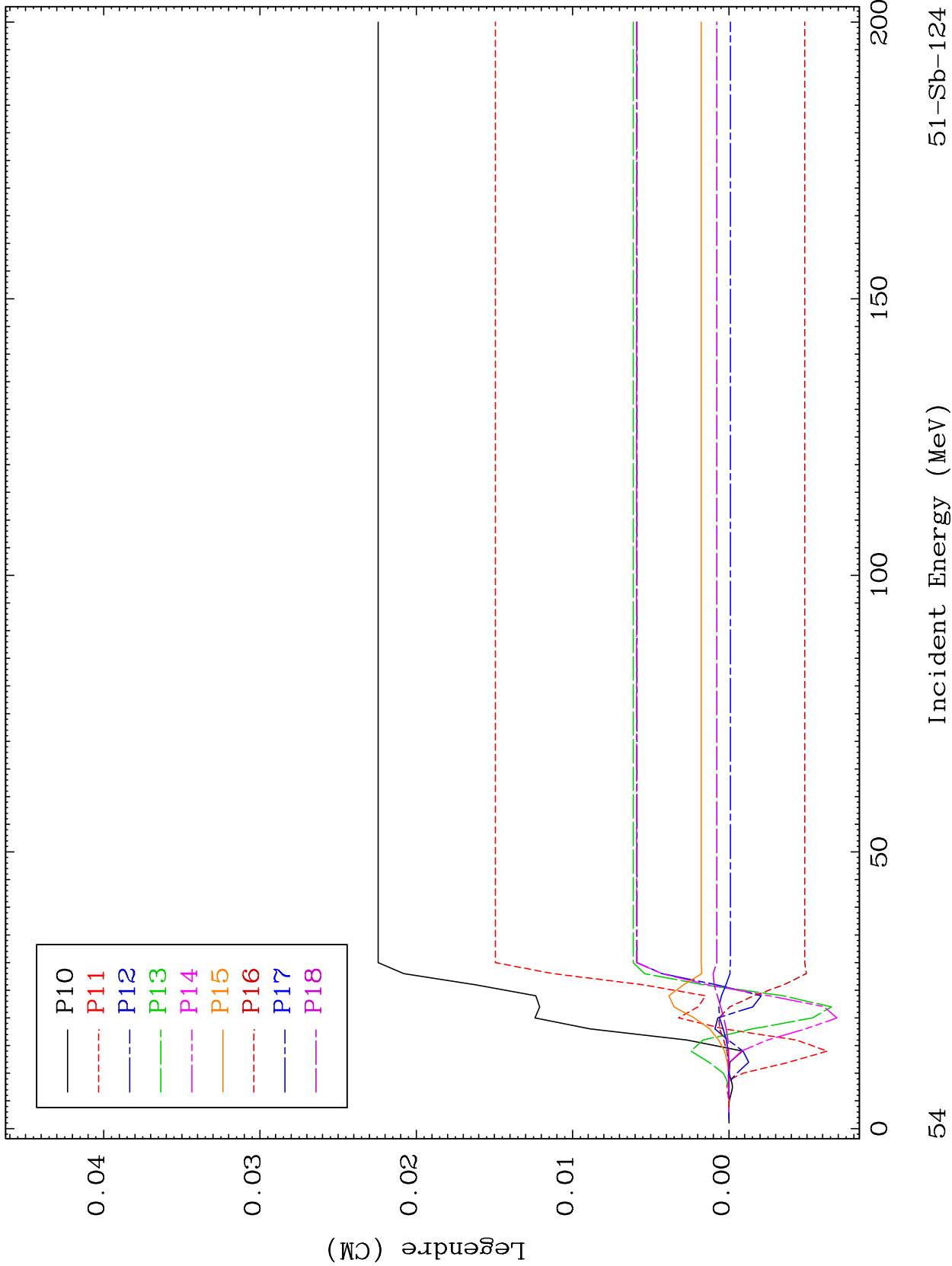
53

51-Sb-124

MAT 5134

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

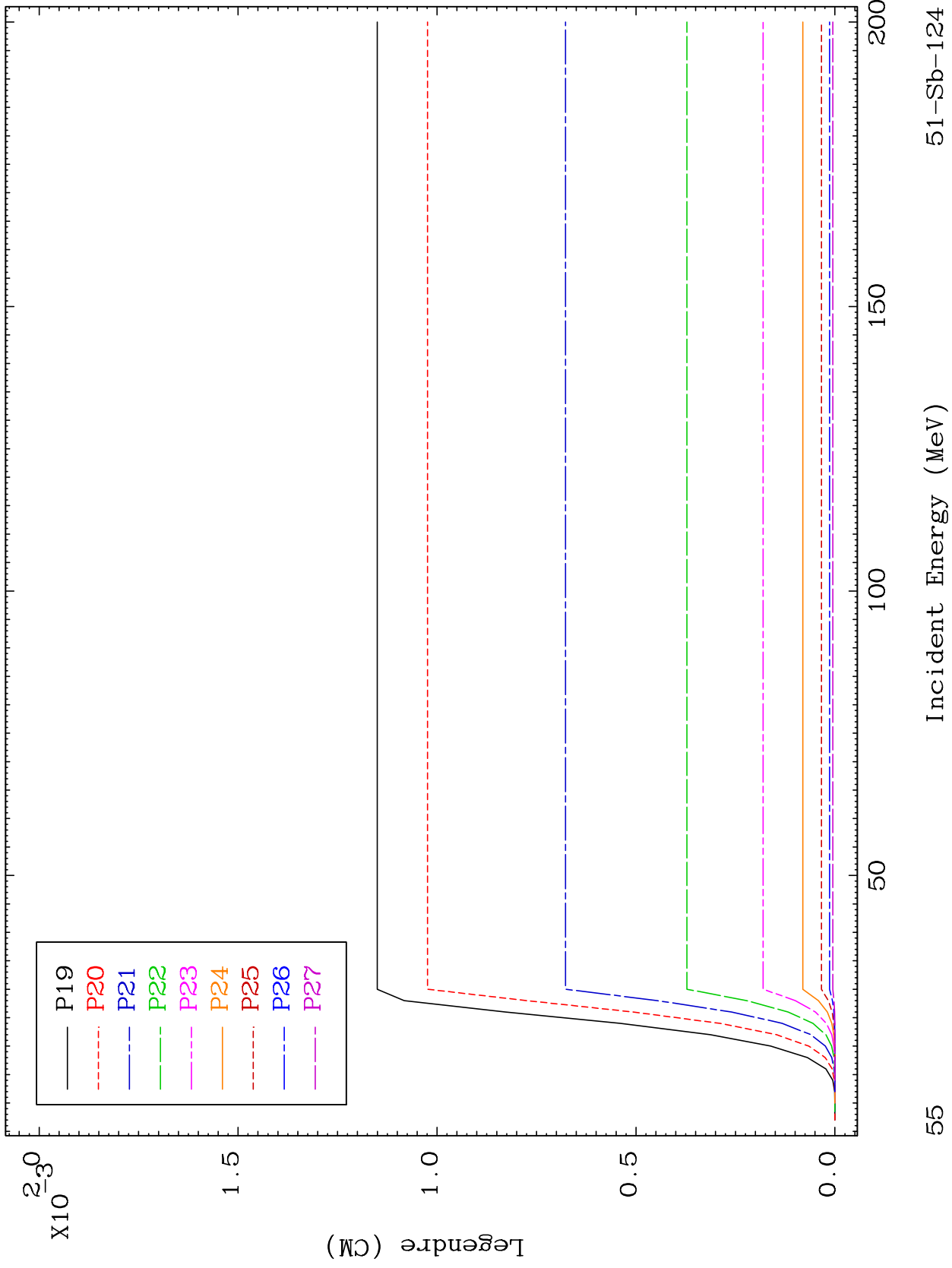
51-Sb-124



MAT 5134

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

51-Sb-124



55

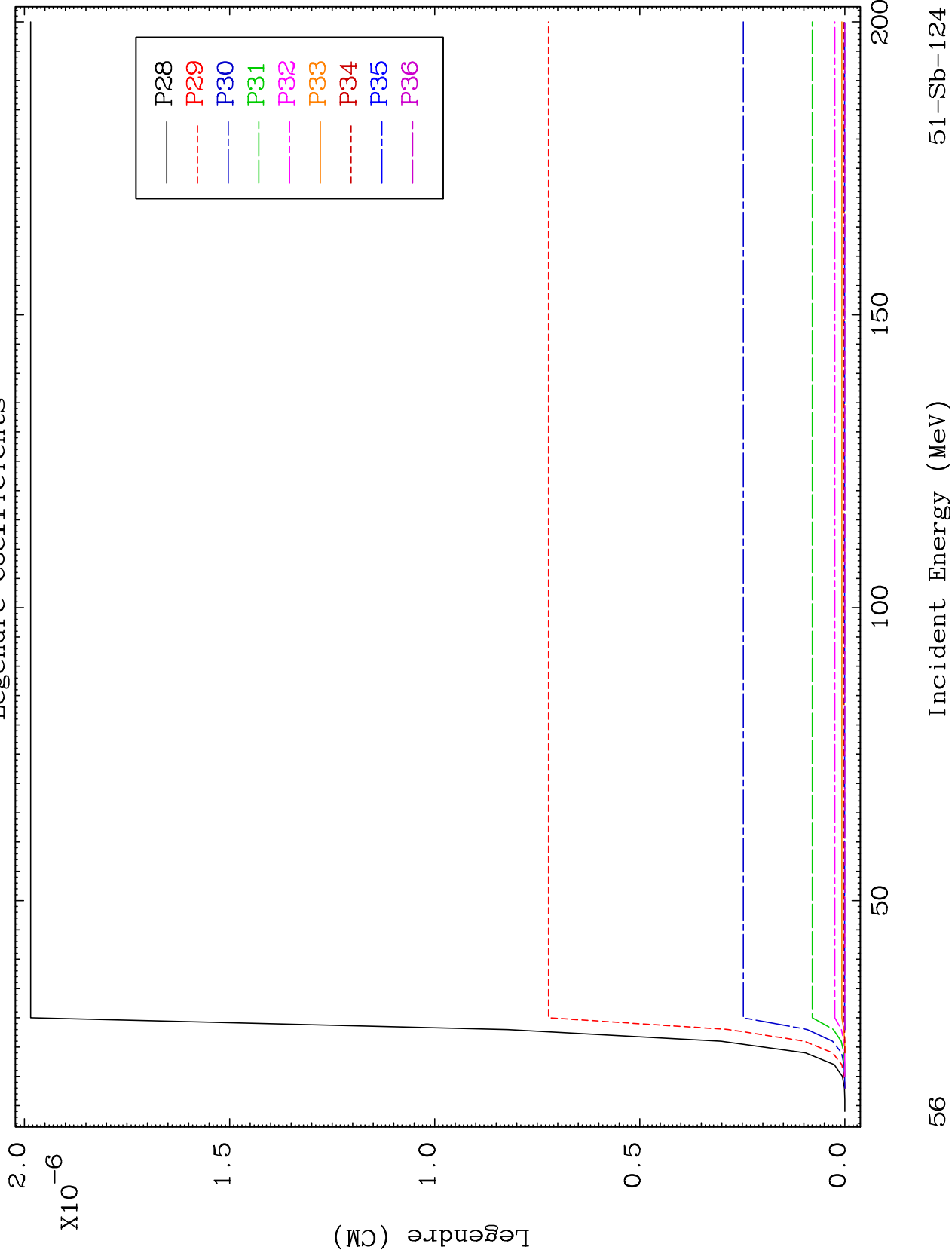
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



56

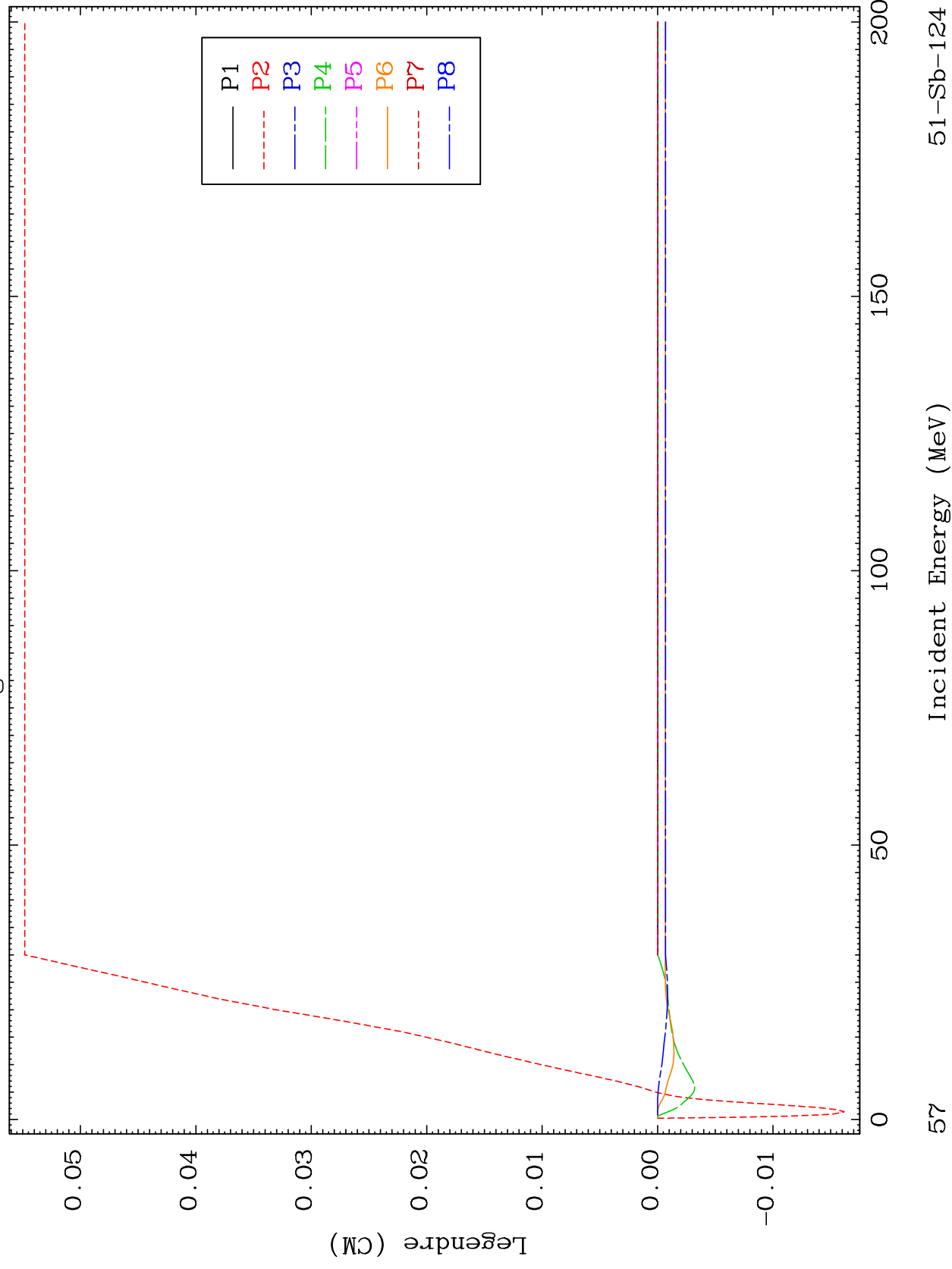
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

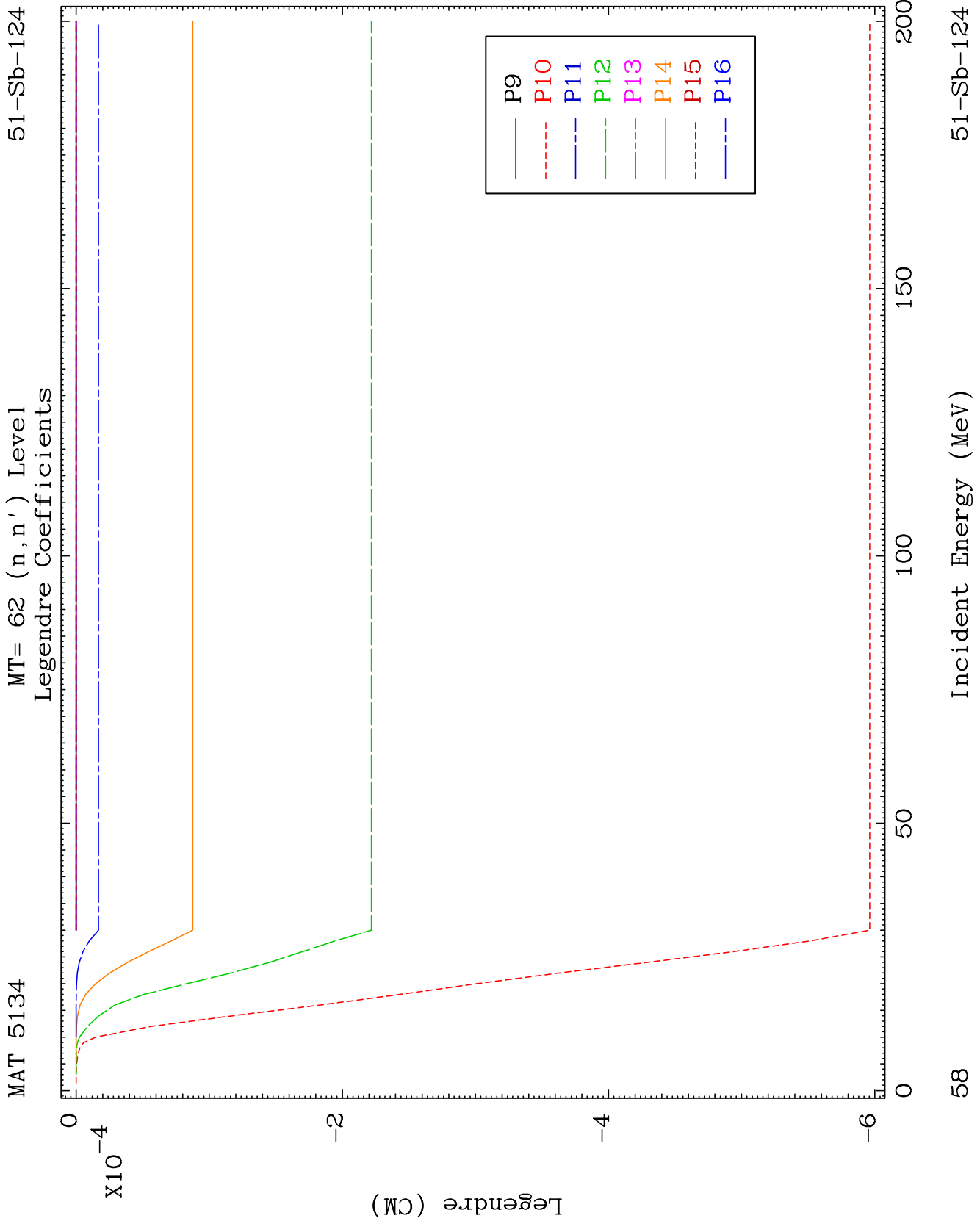
51-Sb-124



51-Sb-124

Incident Energy (MeV)

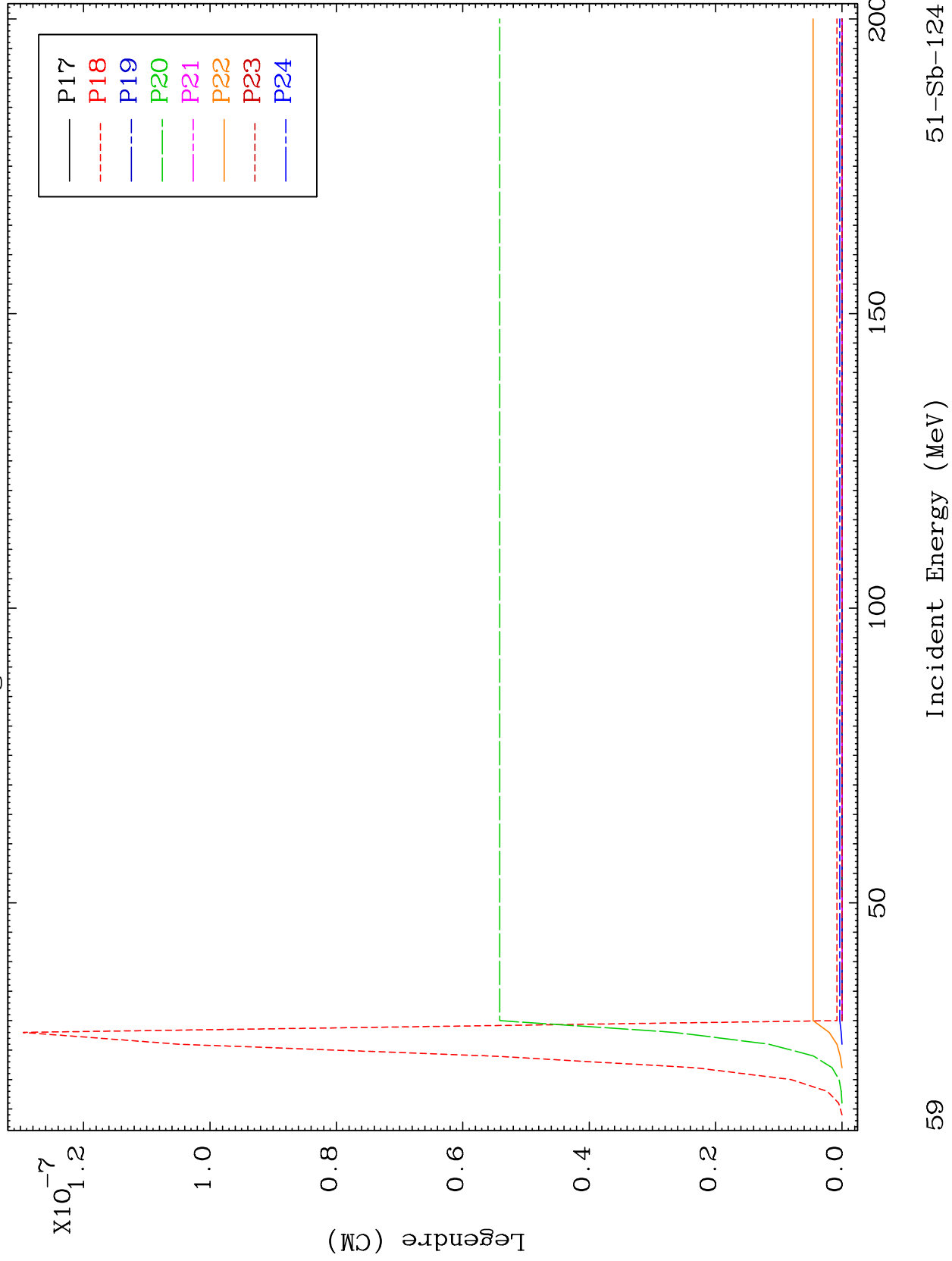
57



MAT 5134

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

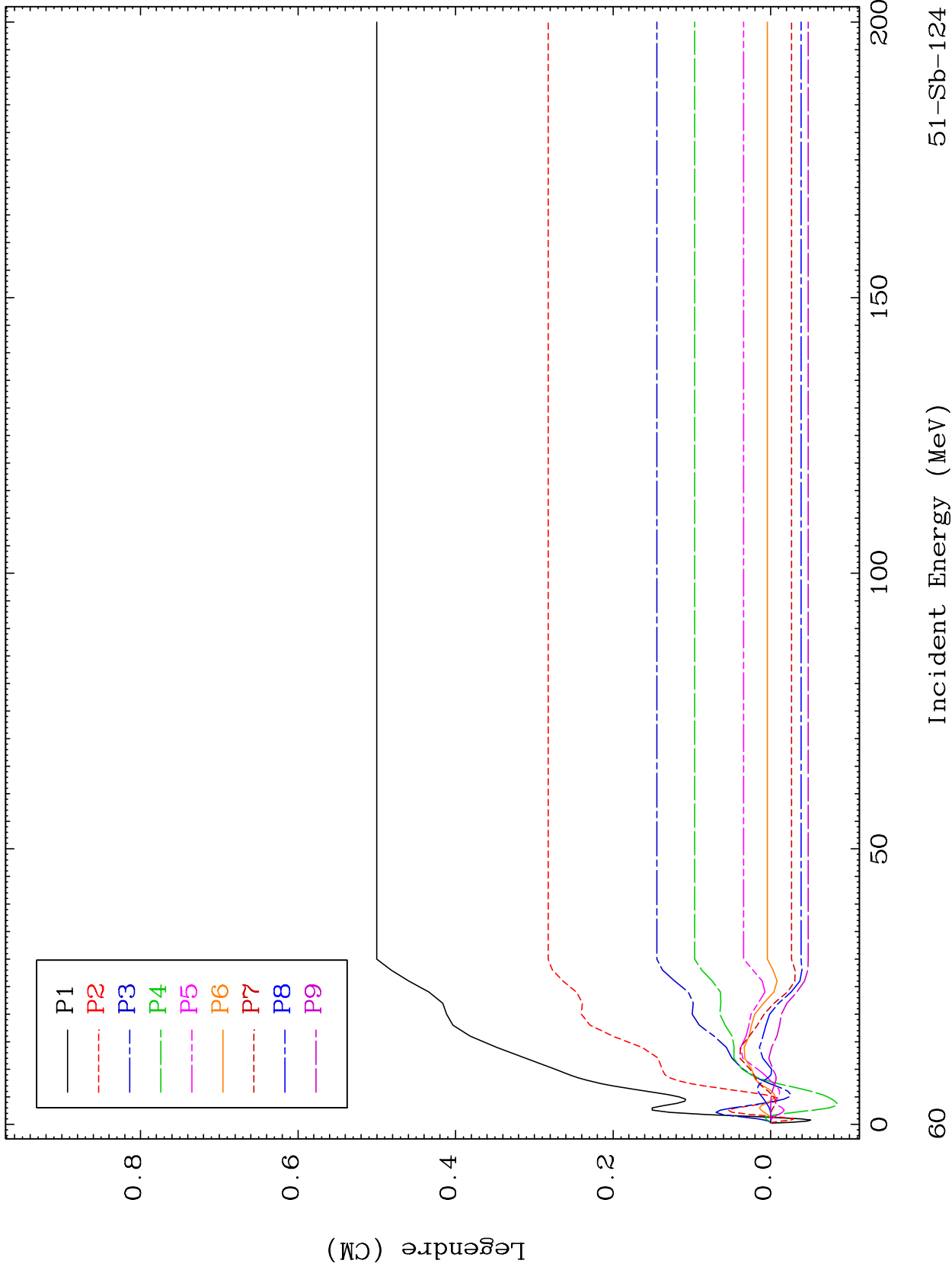
51-Sb-124



MAT 5134

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

51-Sb-124



51-Sb-124

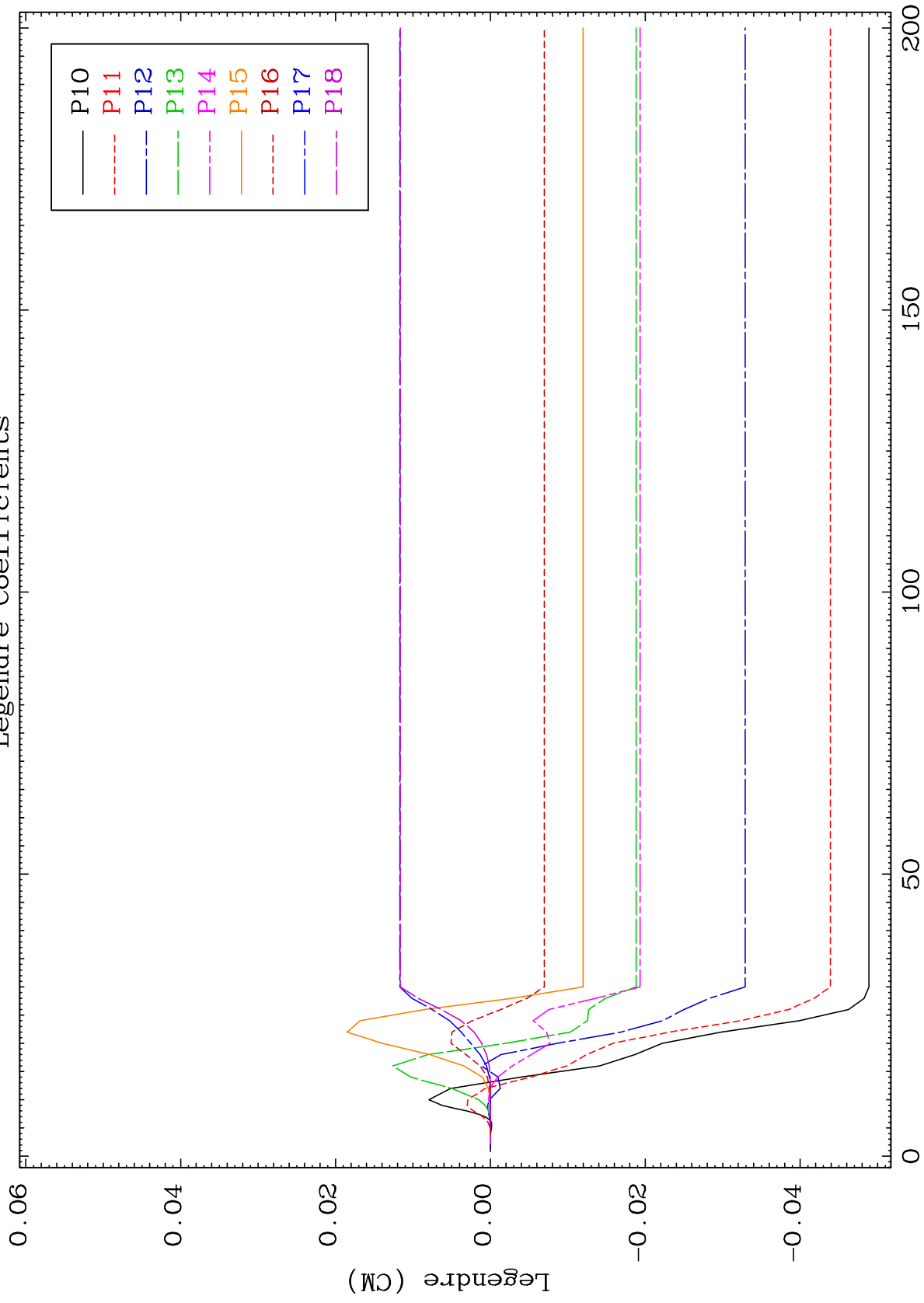
Incident Energy (MeV)

60

MAT 5134

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

51-Sb-124



61

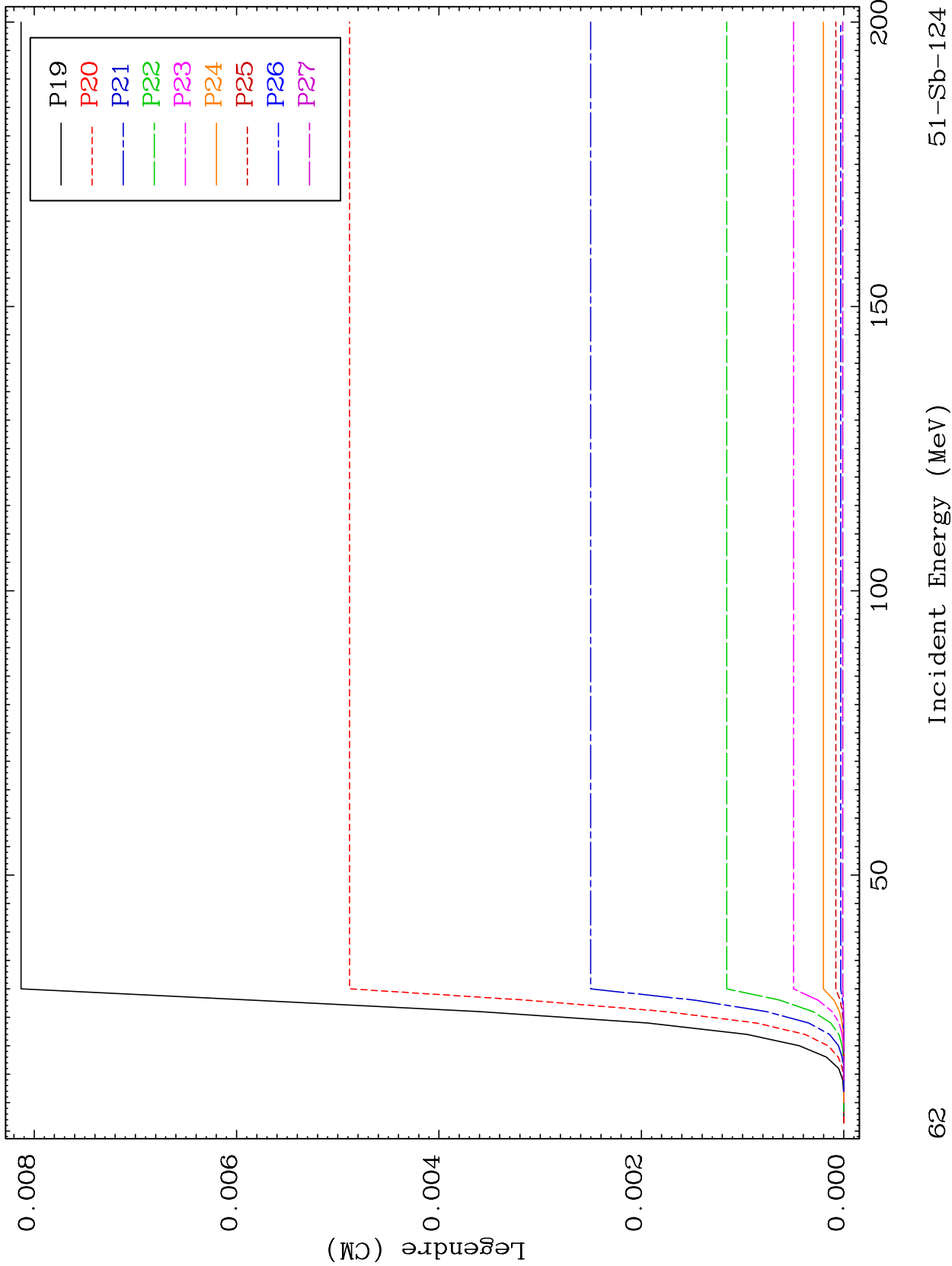
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



62

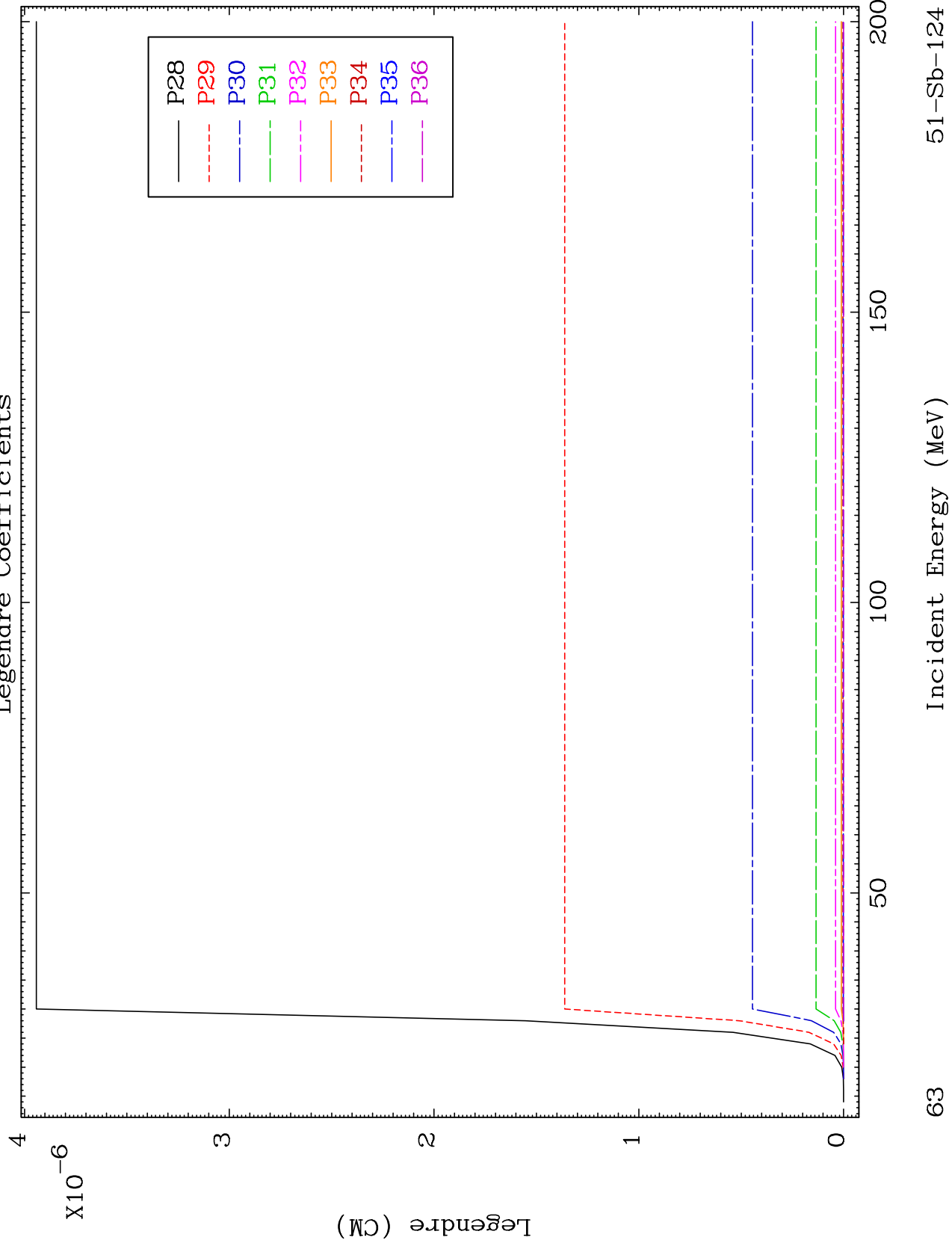
Incident Energy (MeV)

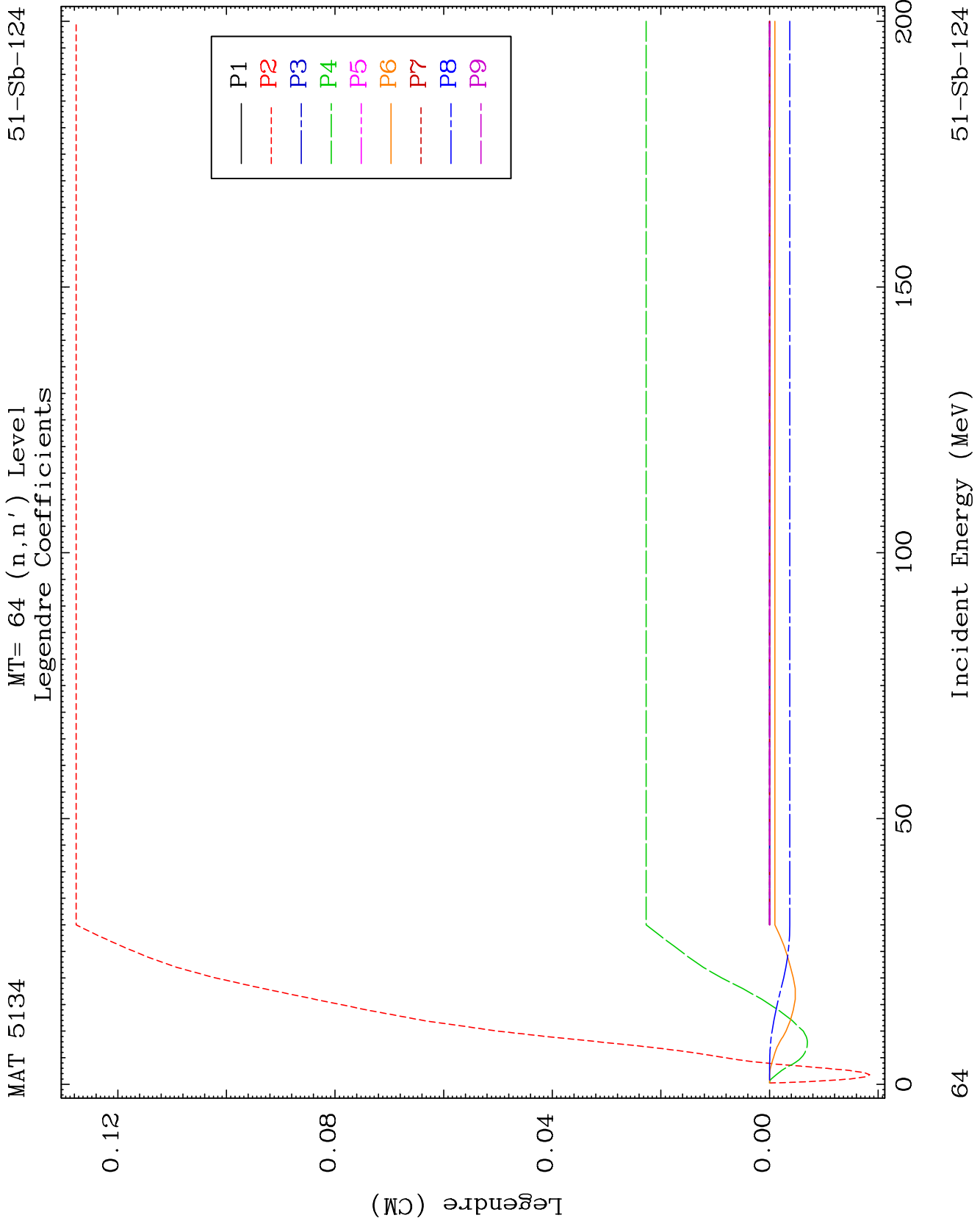
51-Sb-124

MAT 5134

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

51-Sb-124

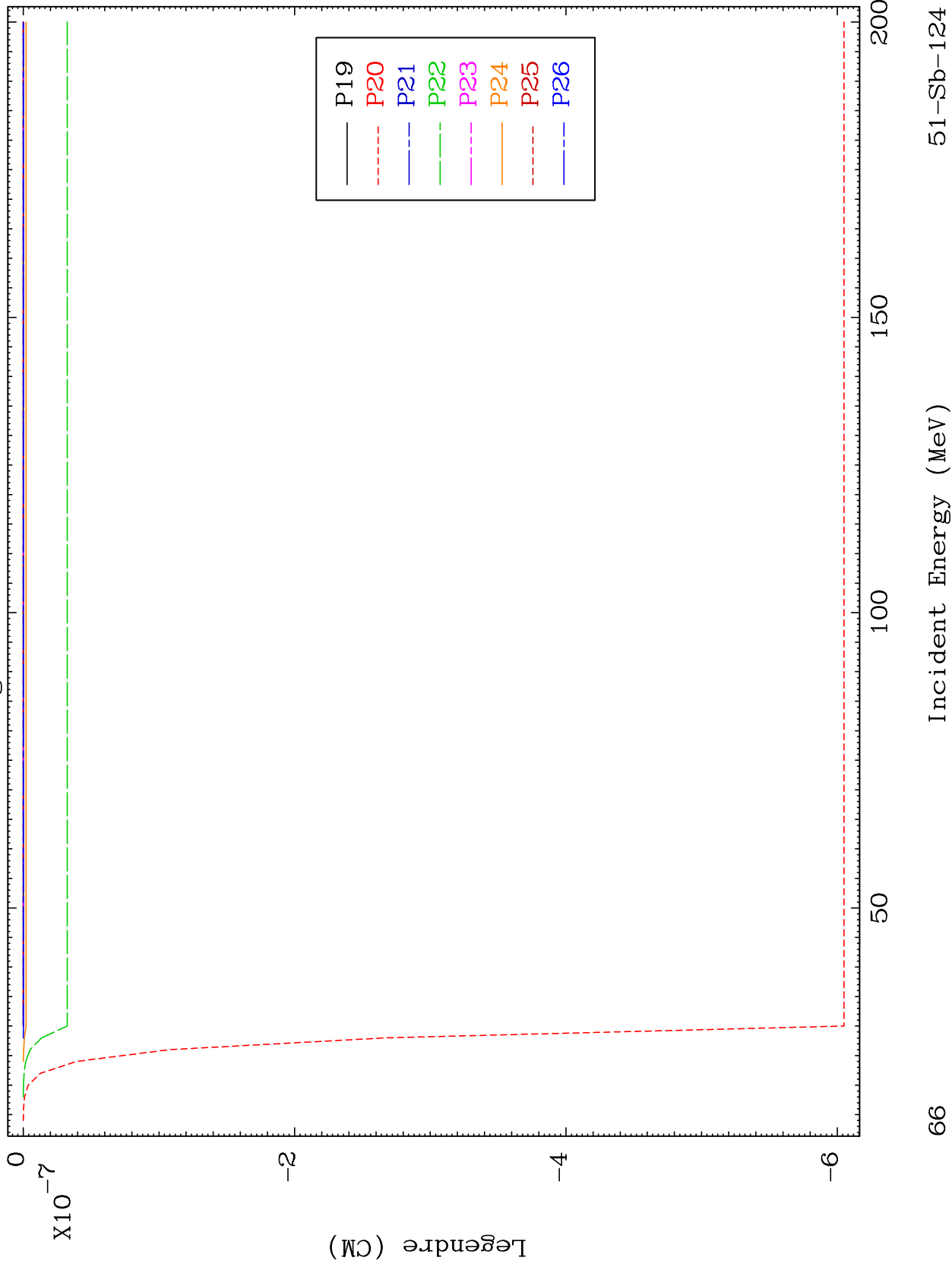




MAT 5134

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

51-Sb-124



66

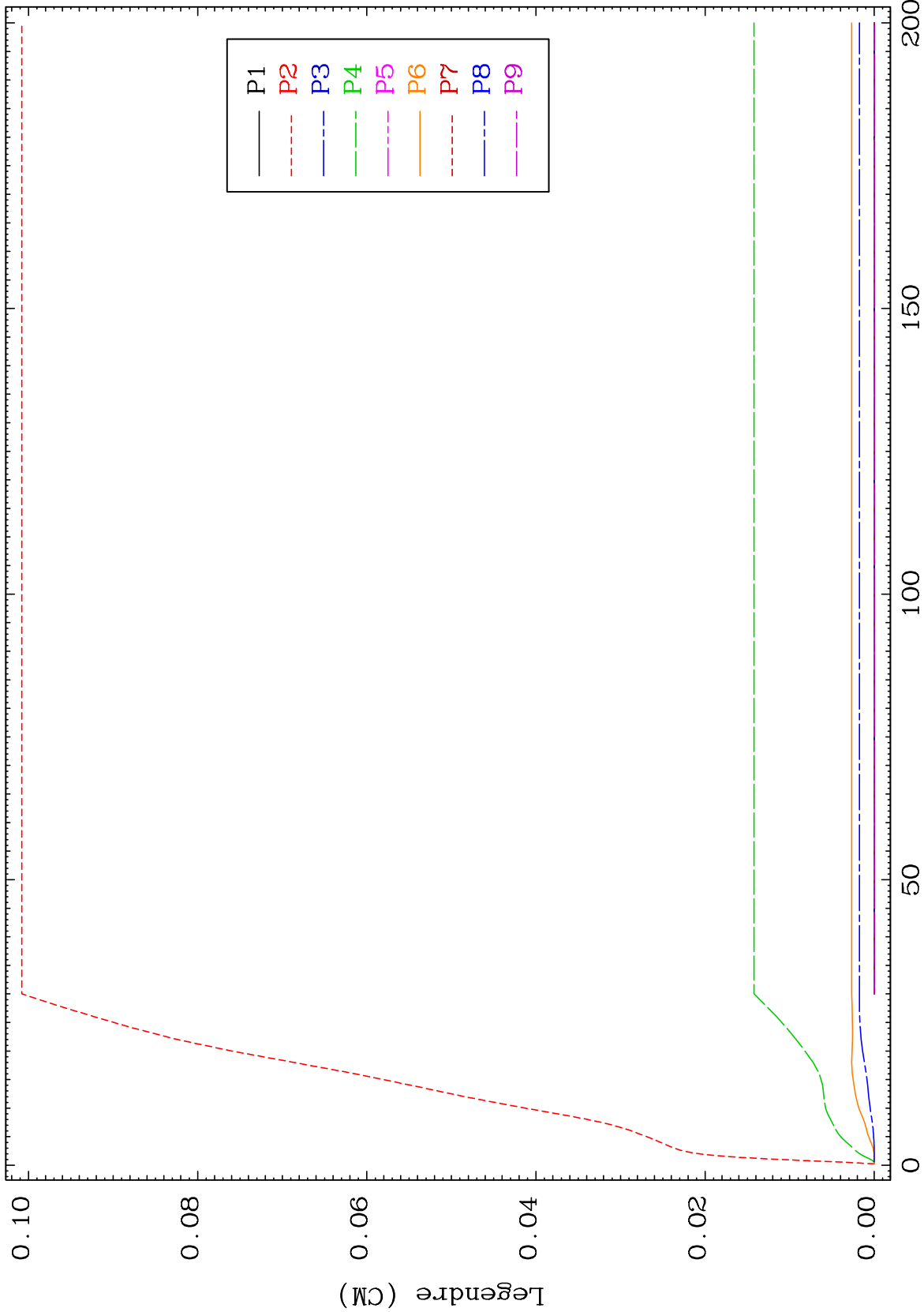
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



67

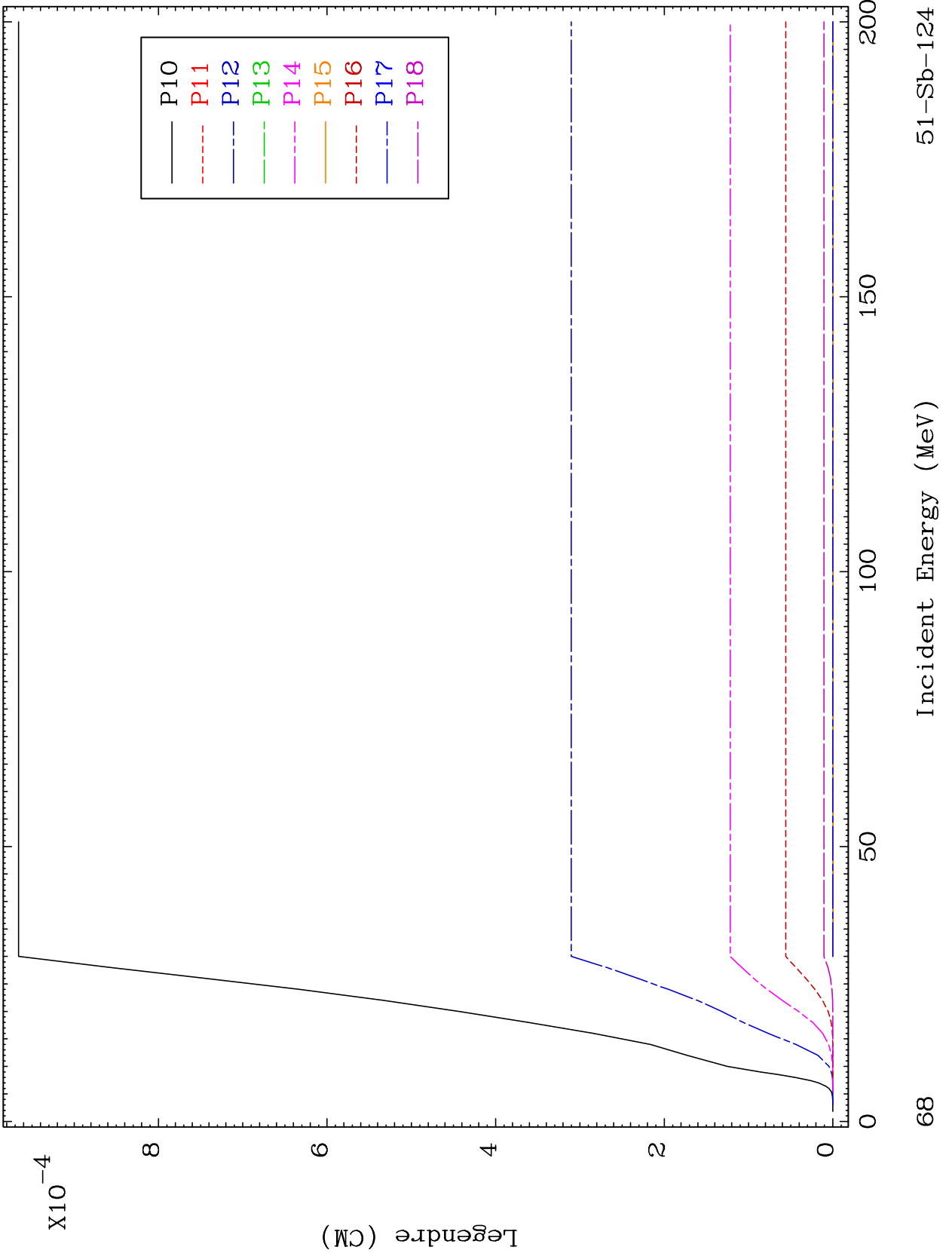
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



68

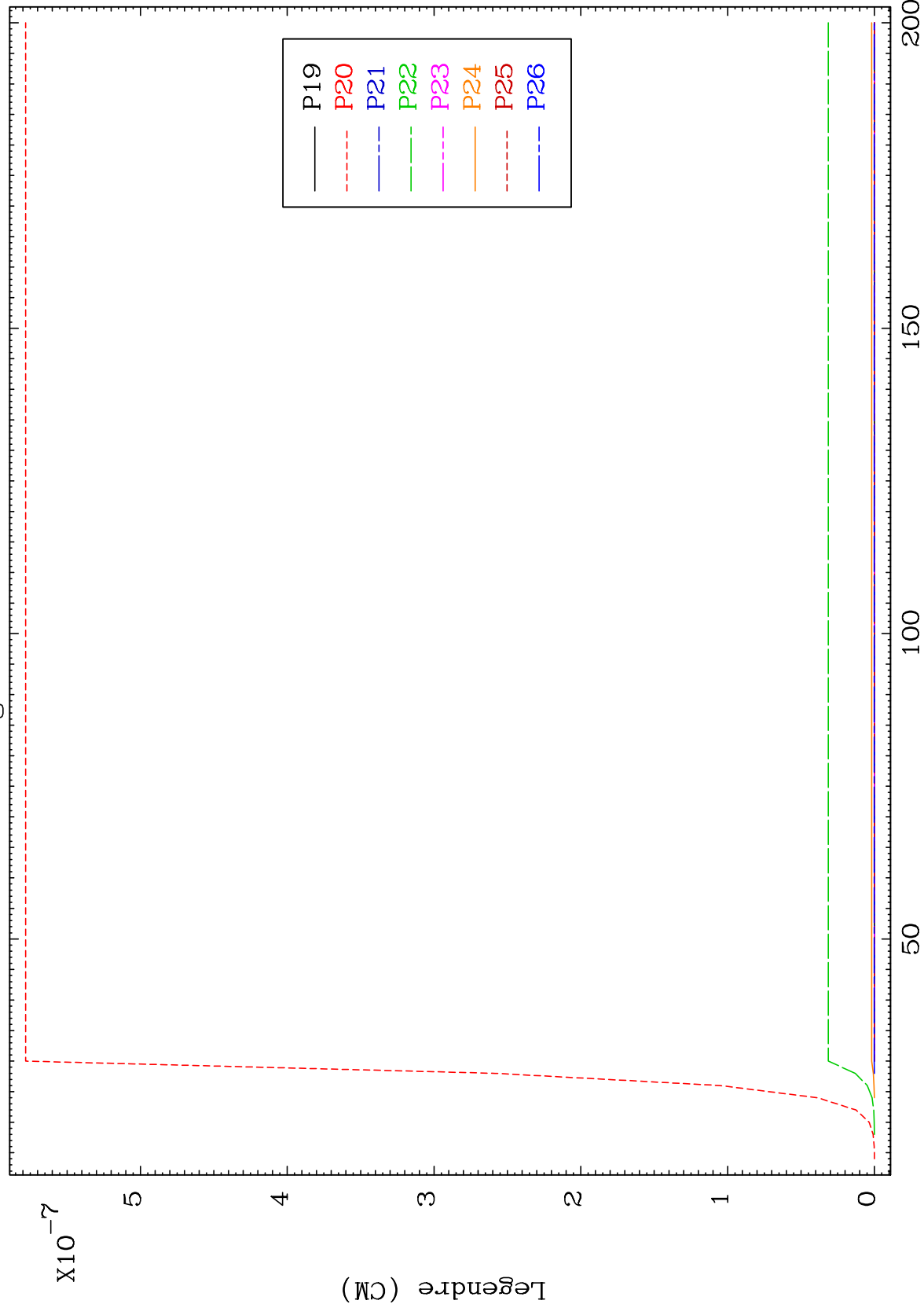
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



69

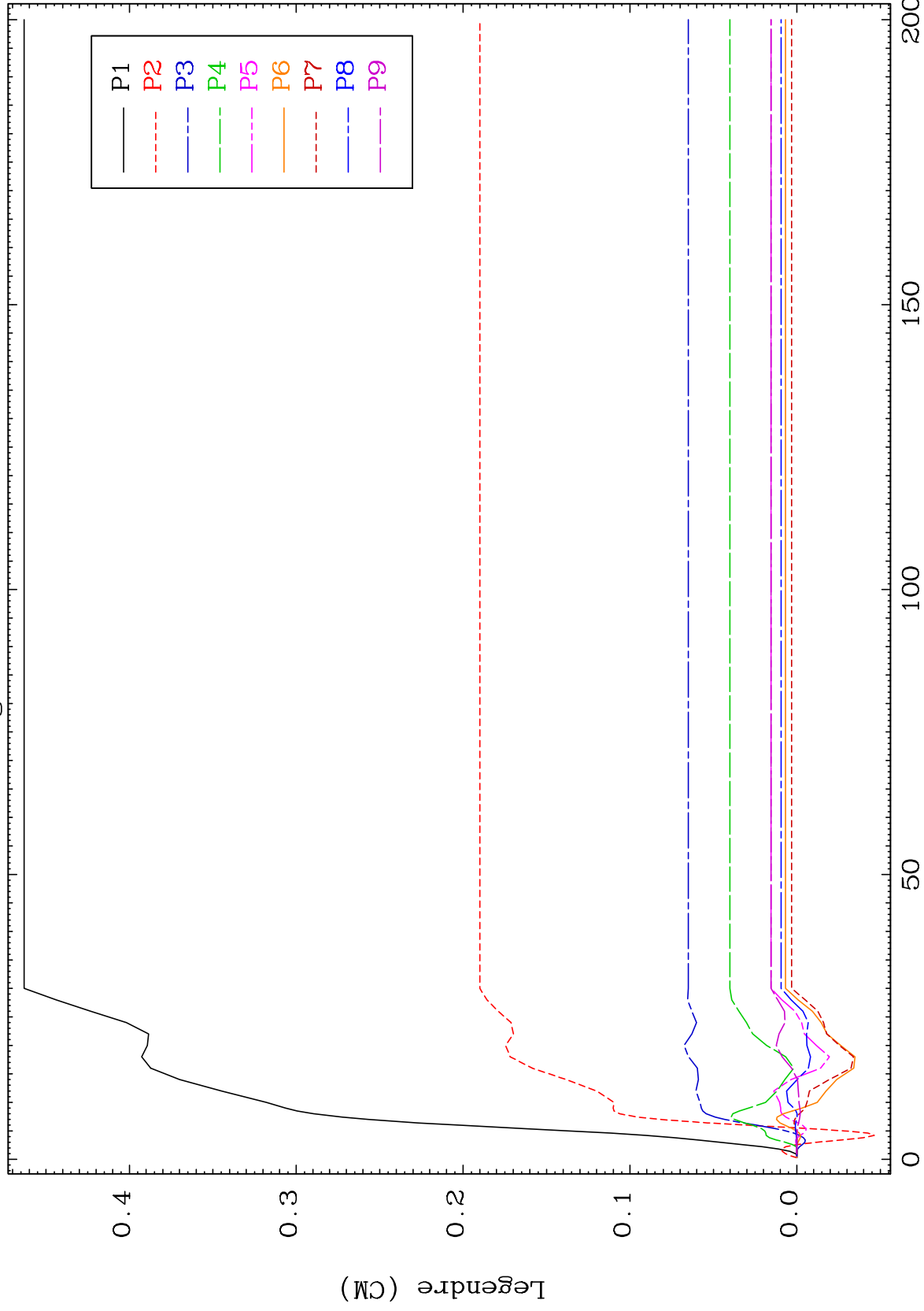
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



51-Sb-124

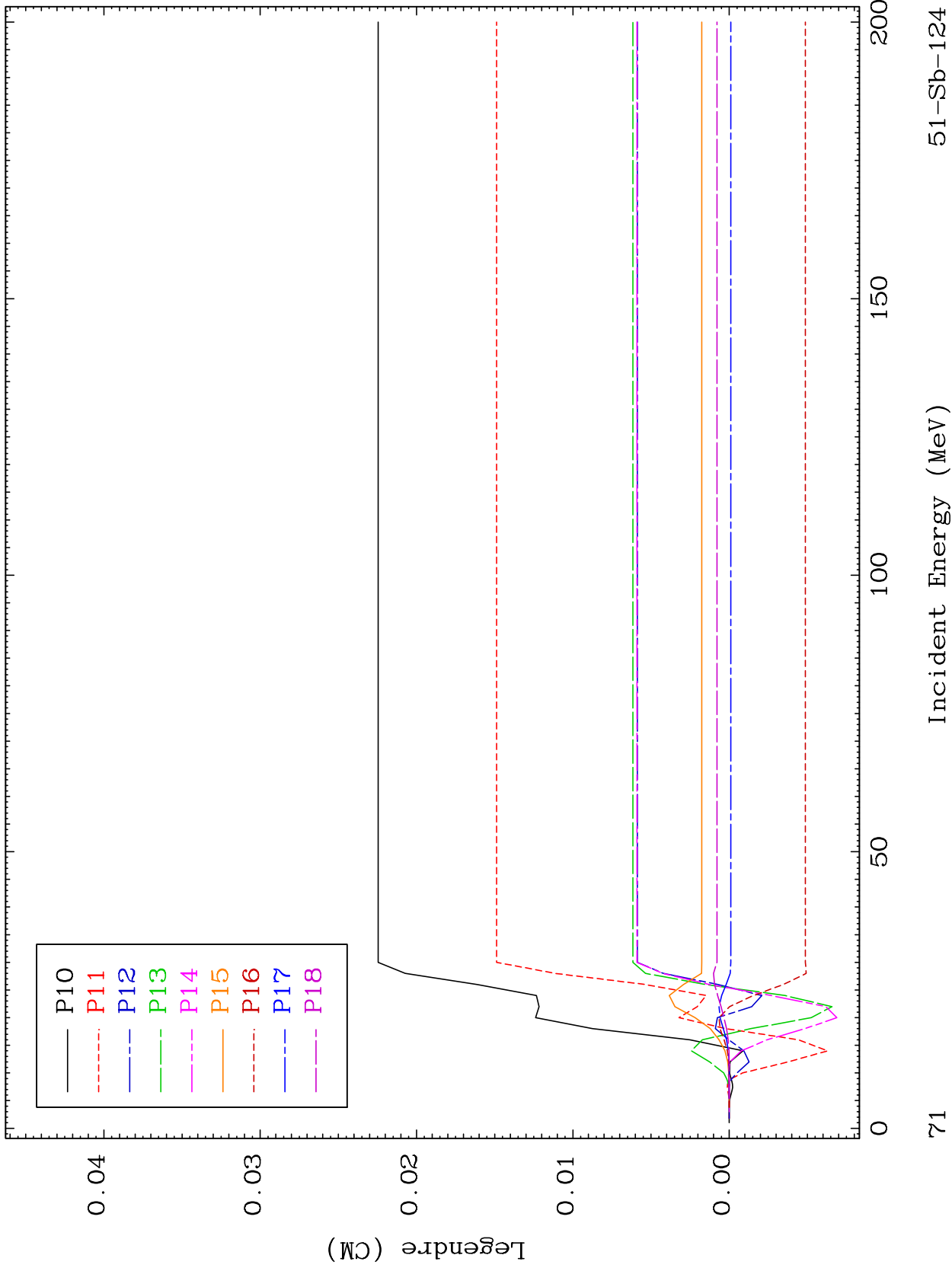
Incident Energy (MeV)

70

MAT 5134

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

51-Sb-124



71

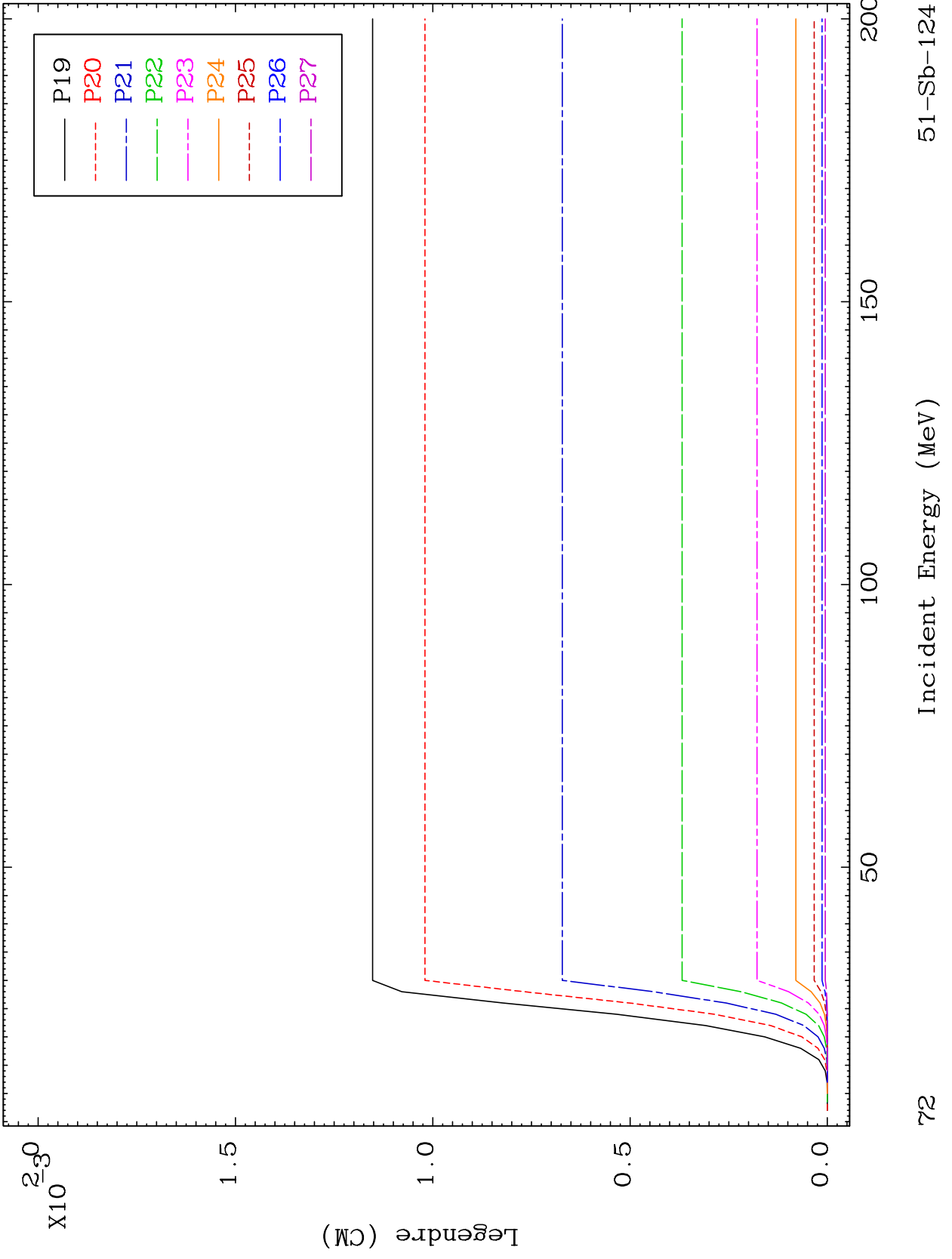
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

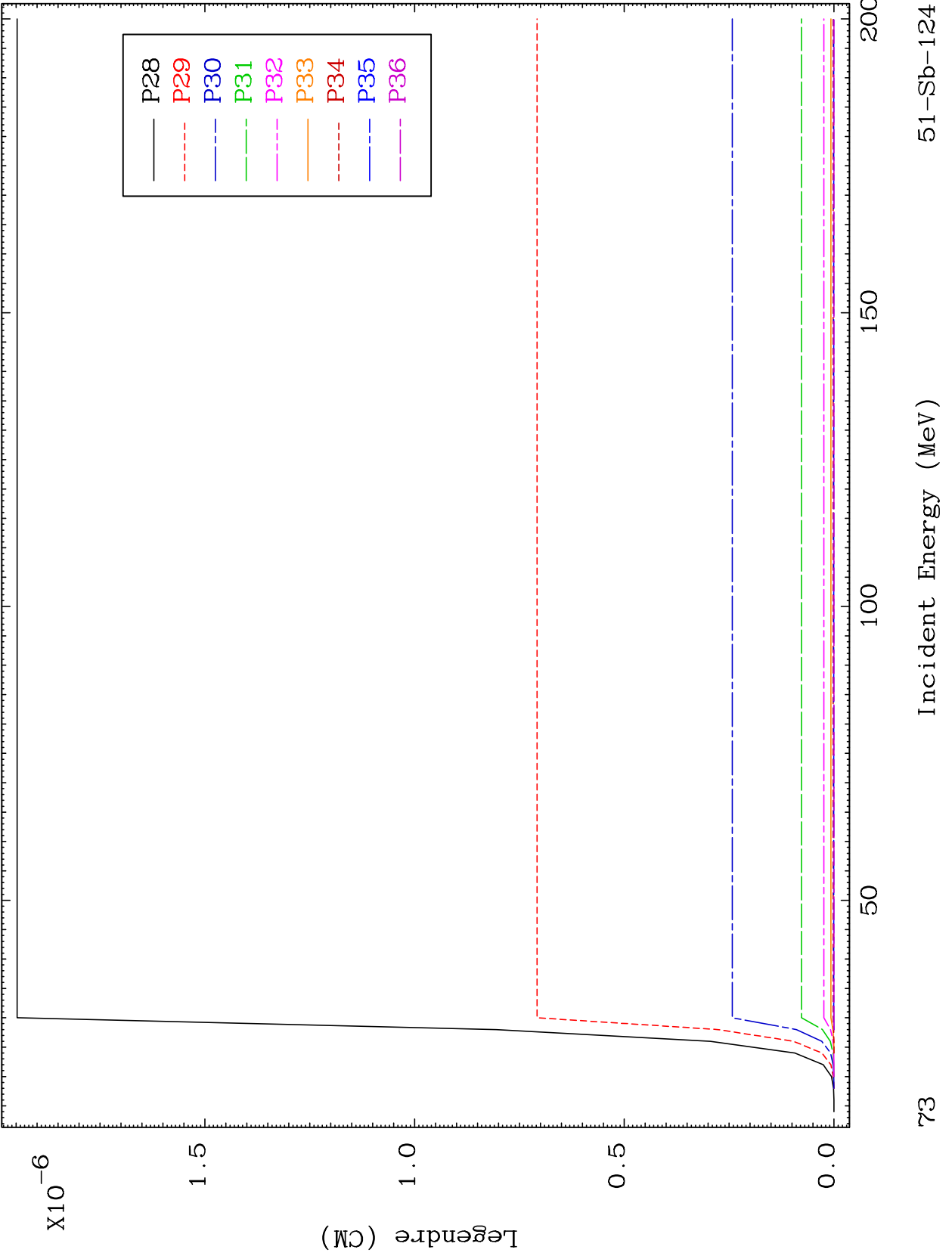
51-Sb-124



MAT 5134

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

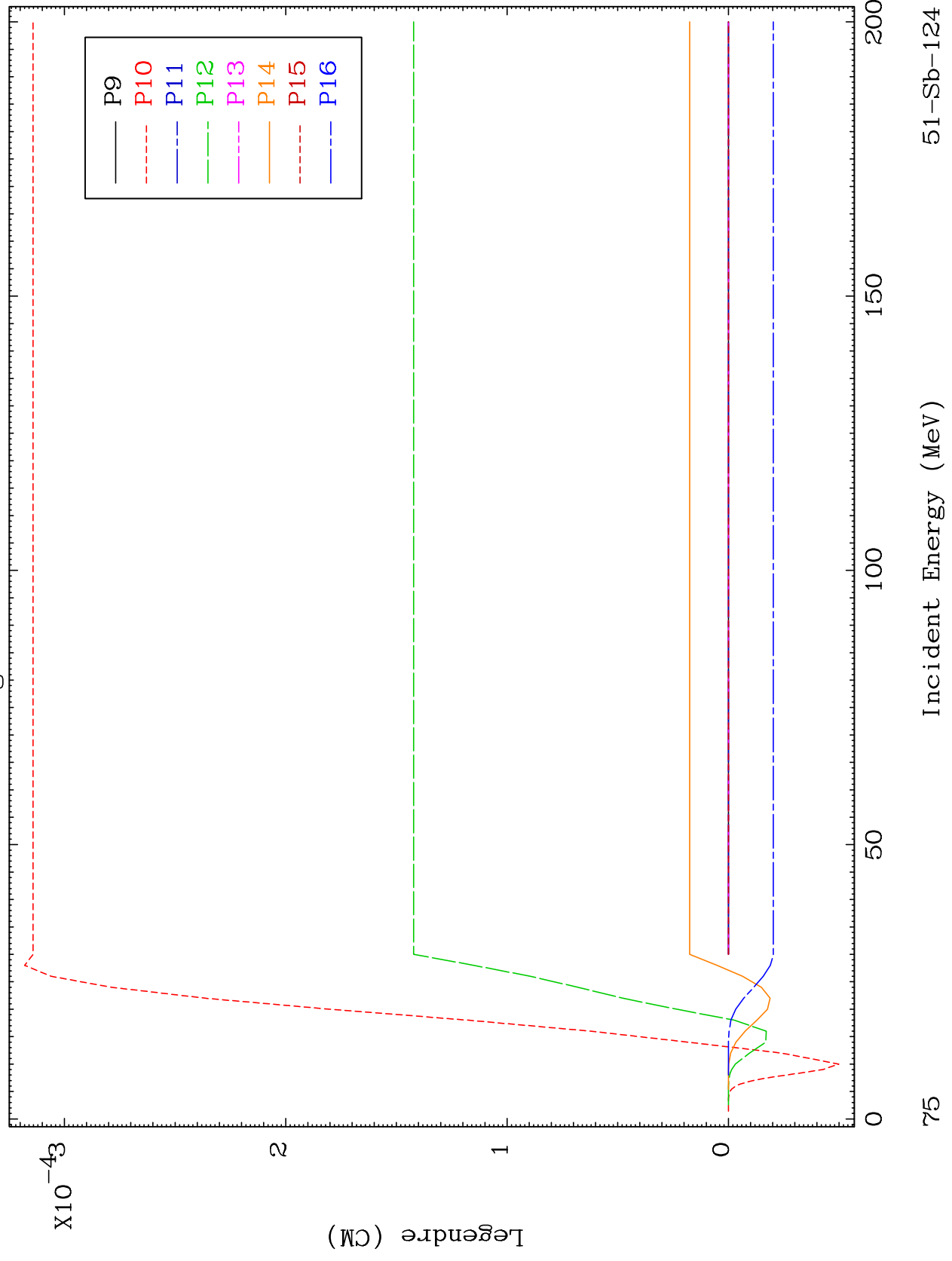
51-Sb-124



MAT 5134

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

51-Sb-124



75

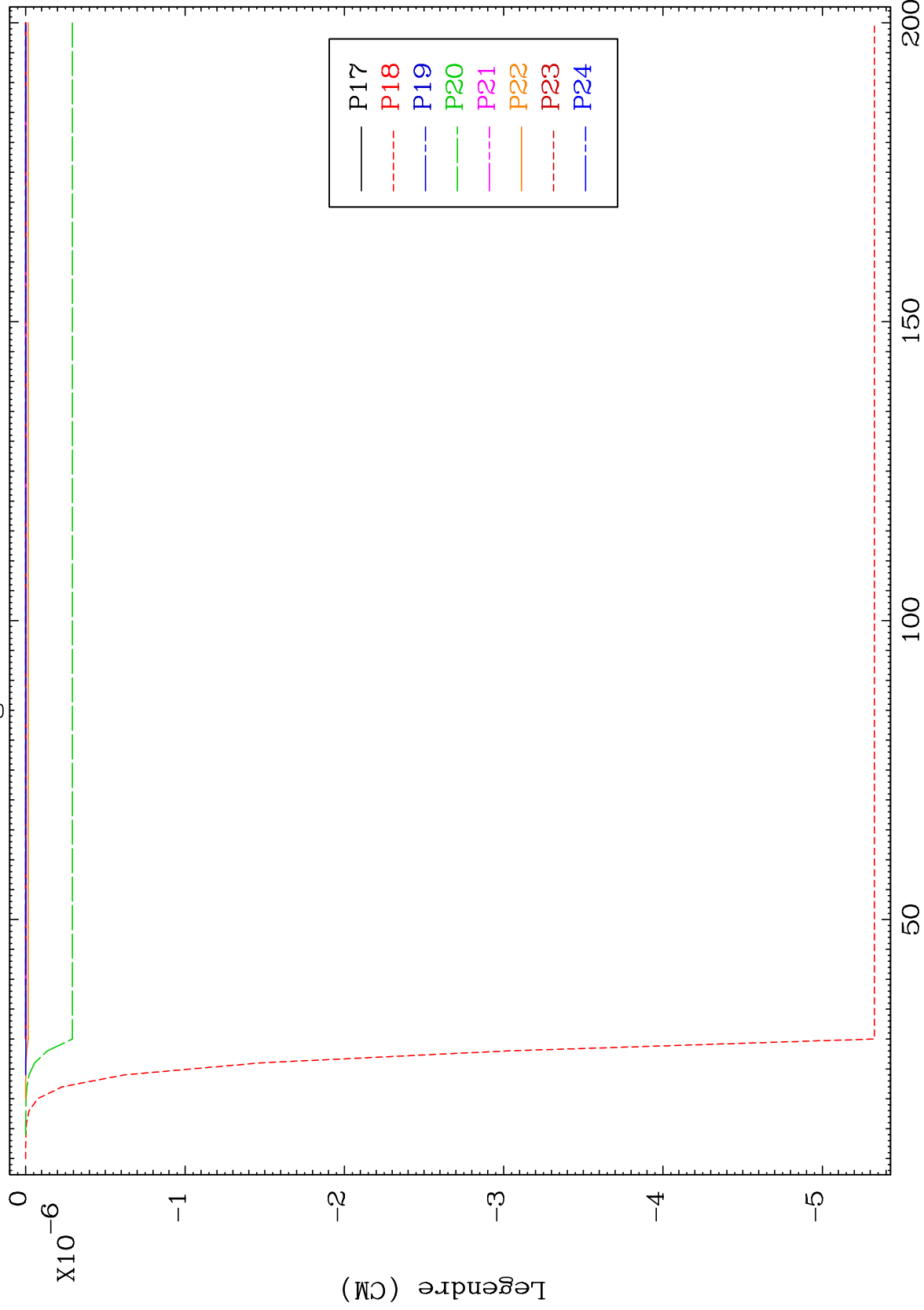
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



76

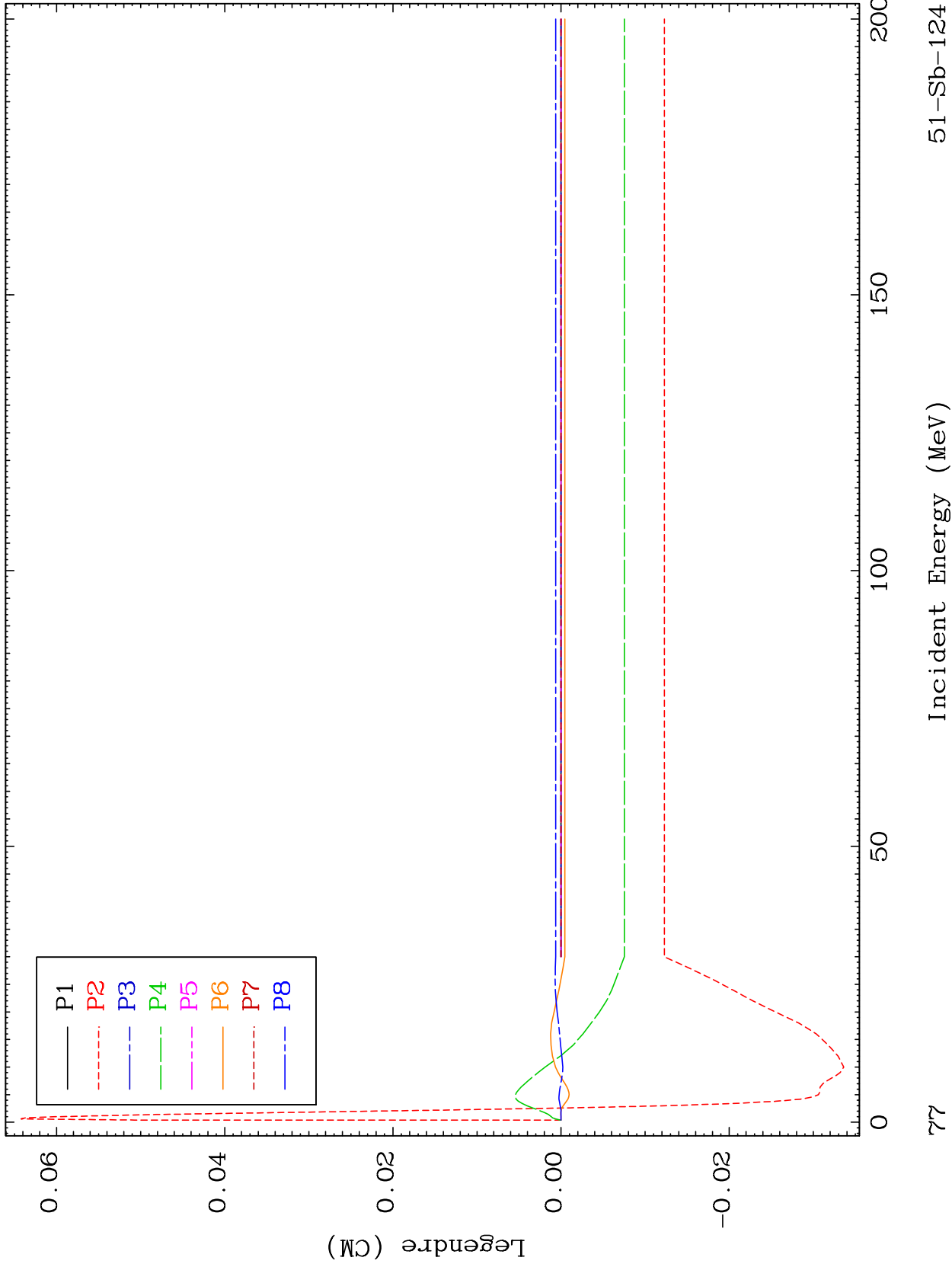
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

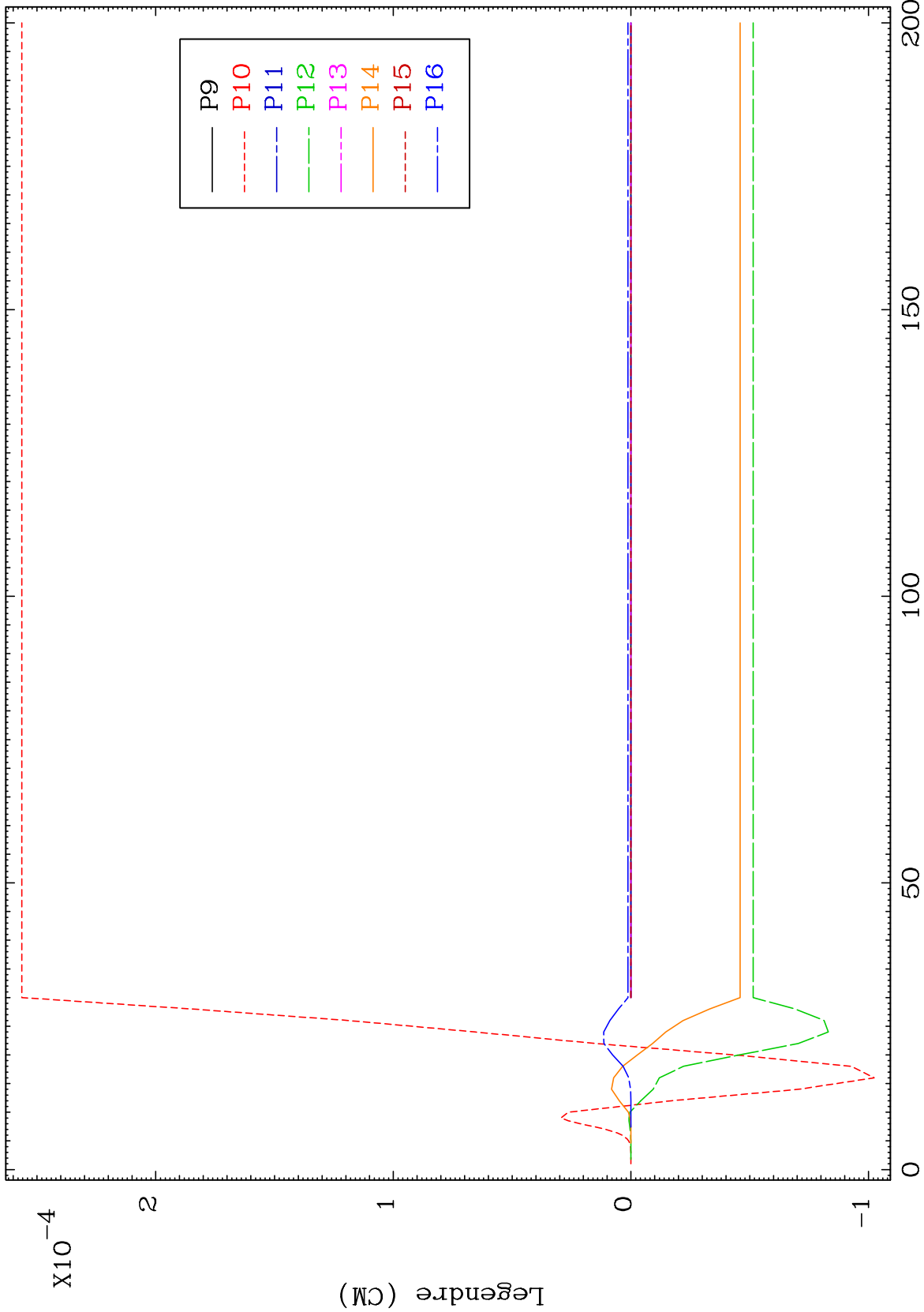
51-Sb-124



MAT 5134

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

51-Sb-124



78

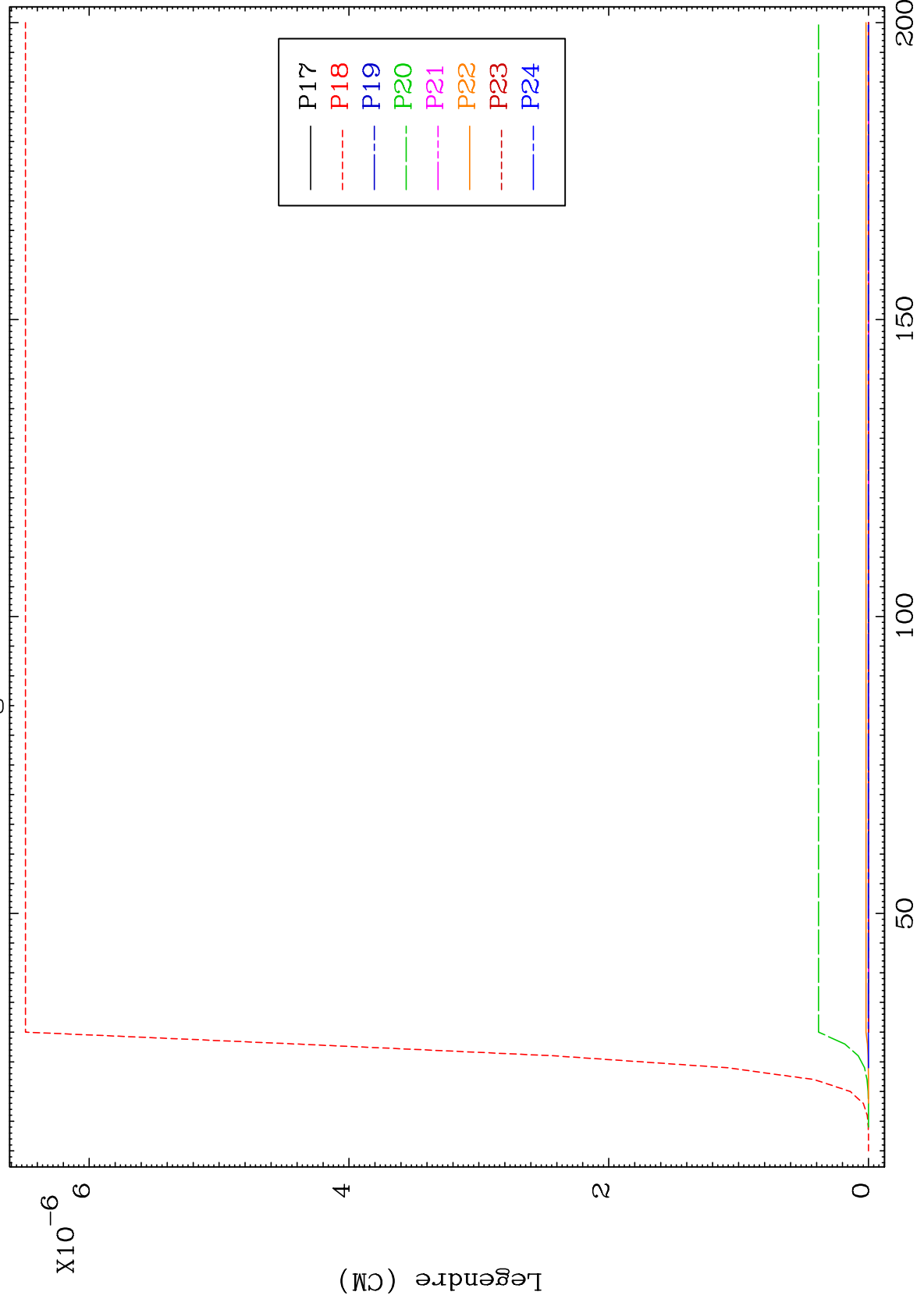
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



51-Sb-124

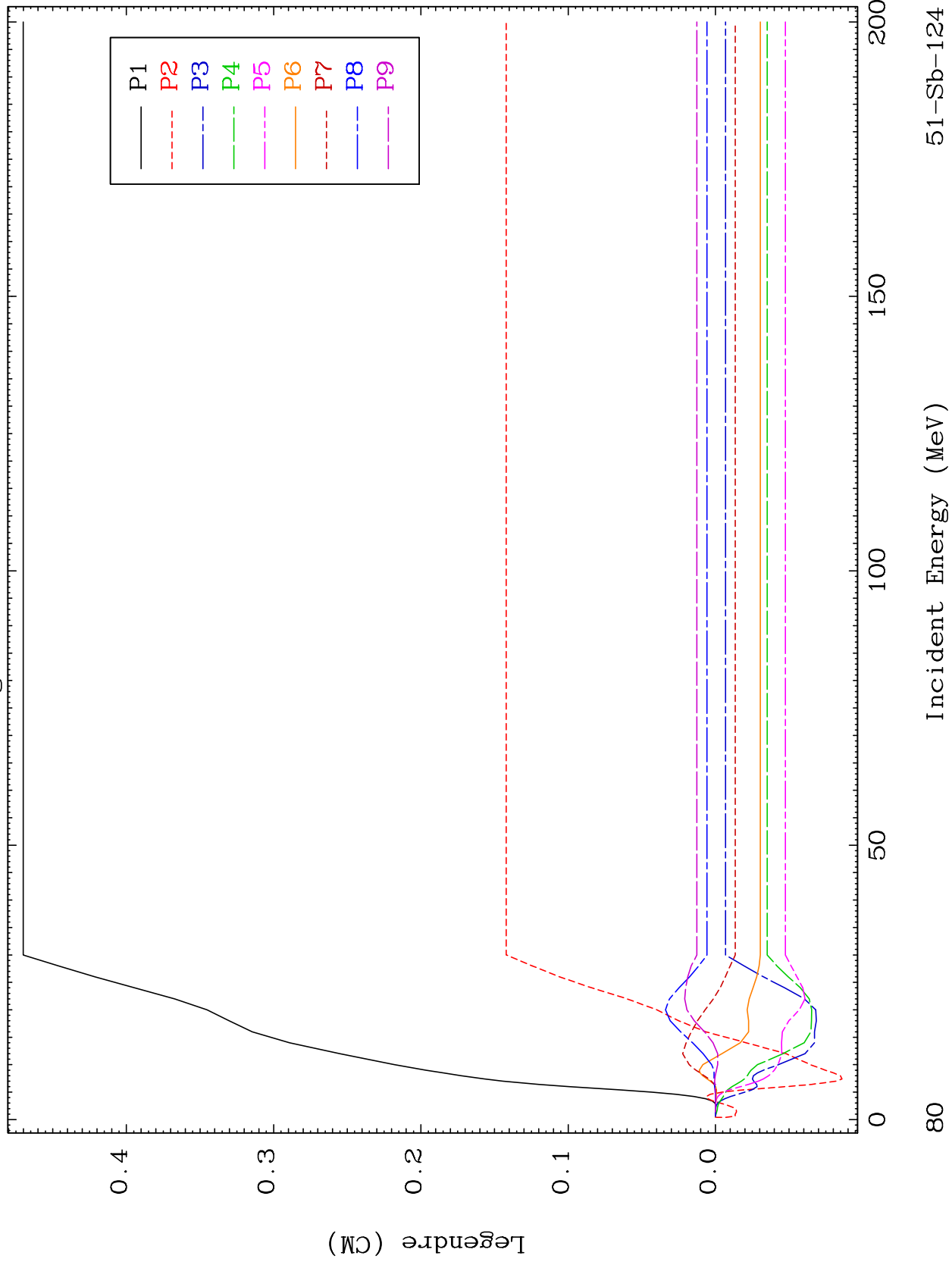
Incident Energy (MeV)

79

MAT 5134

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

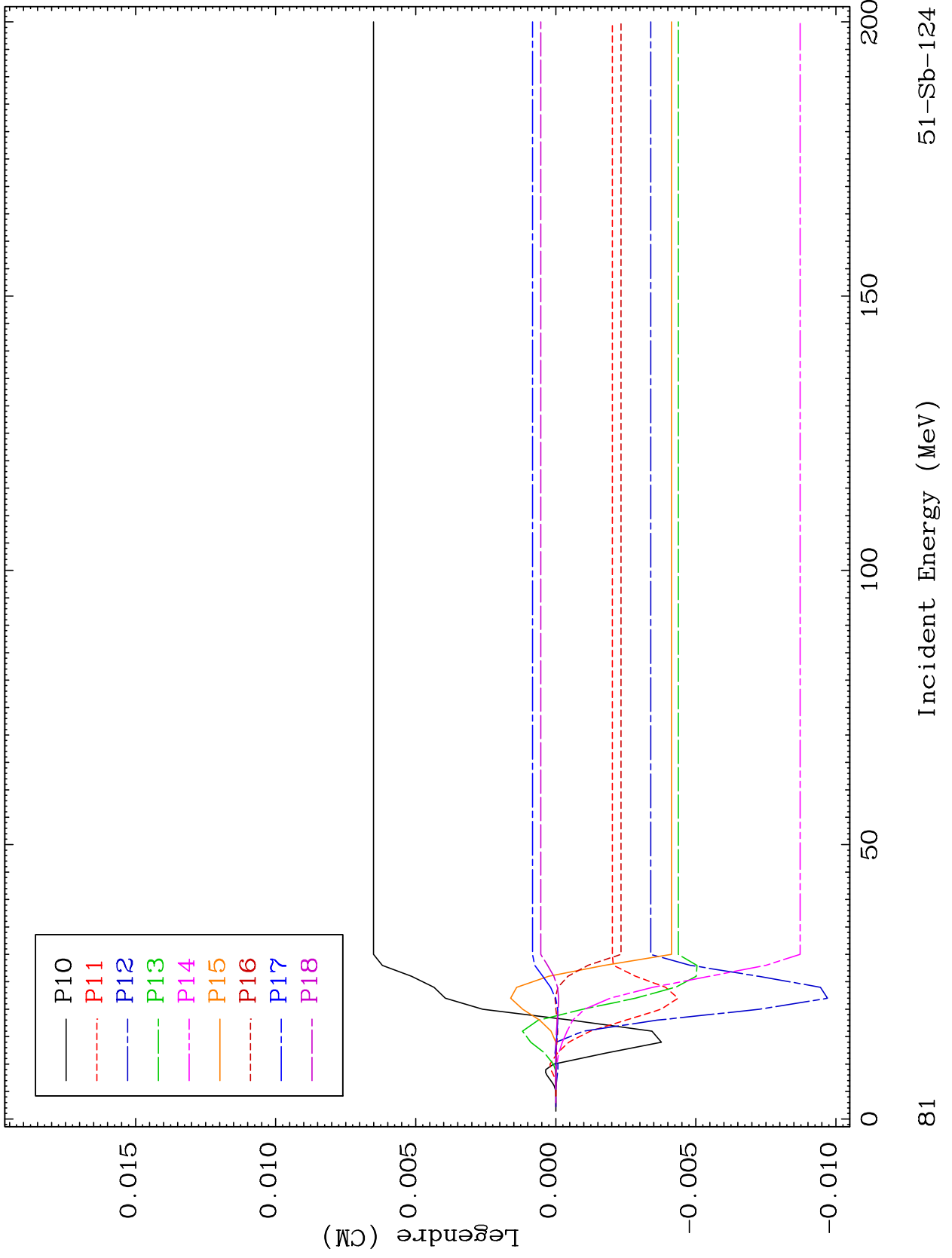
51-Sb-124

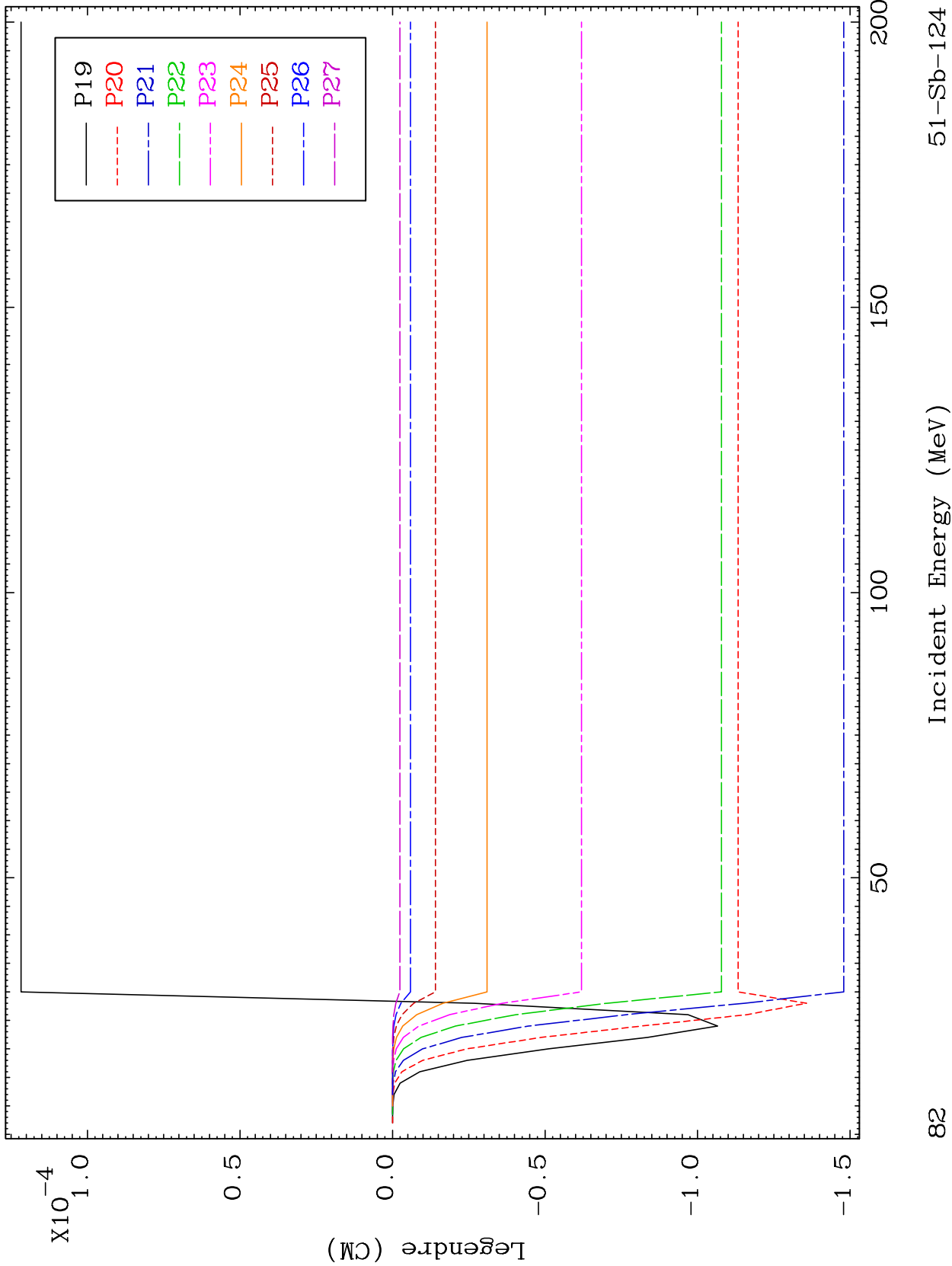


51-Sb-124

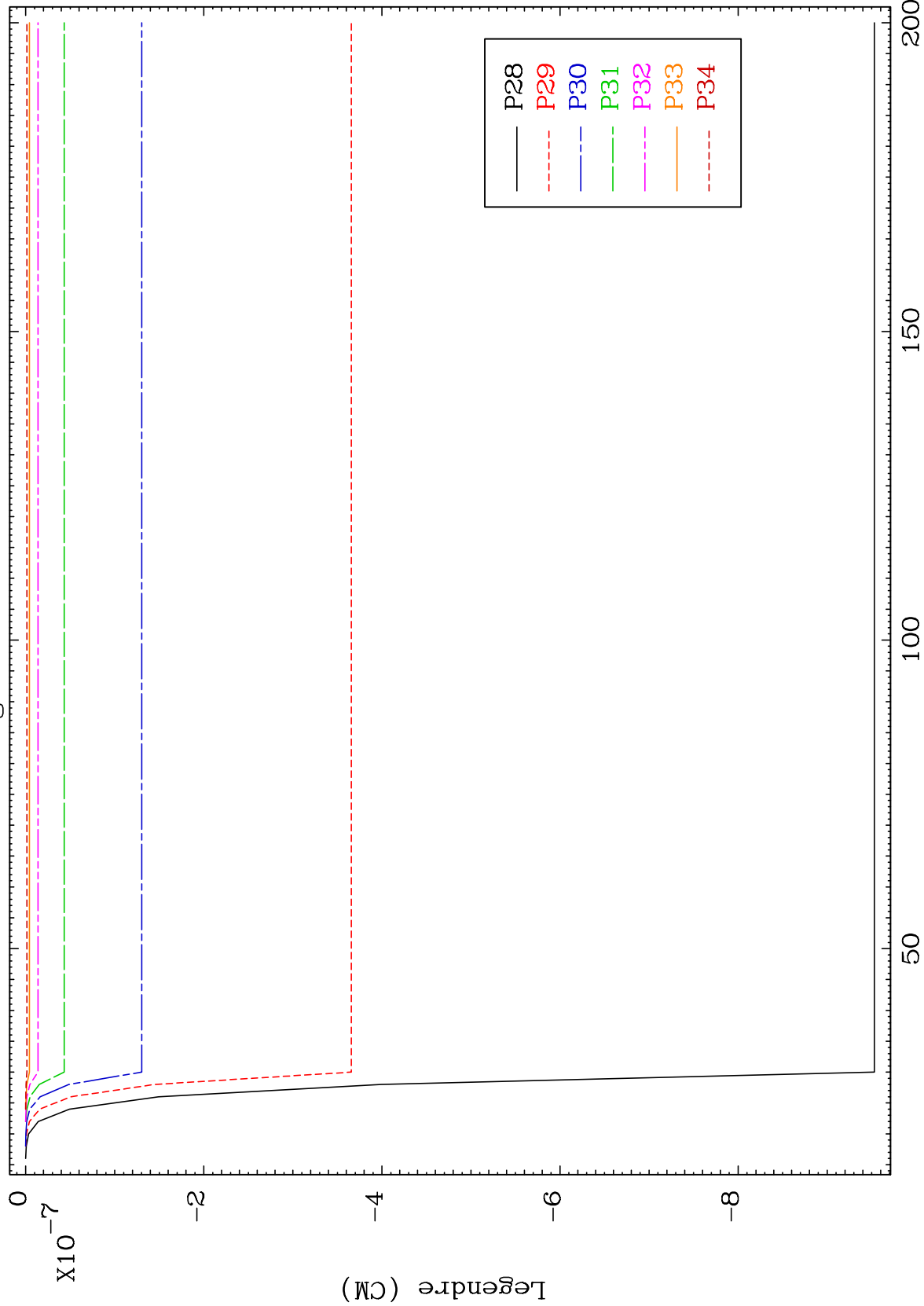
Incident Energy (MeV)

80





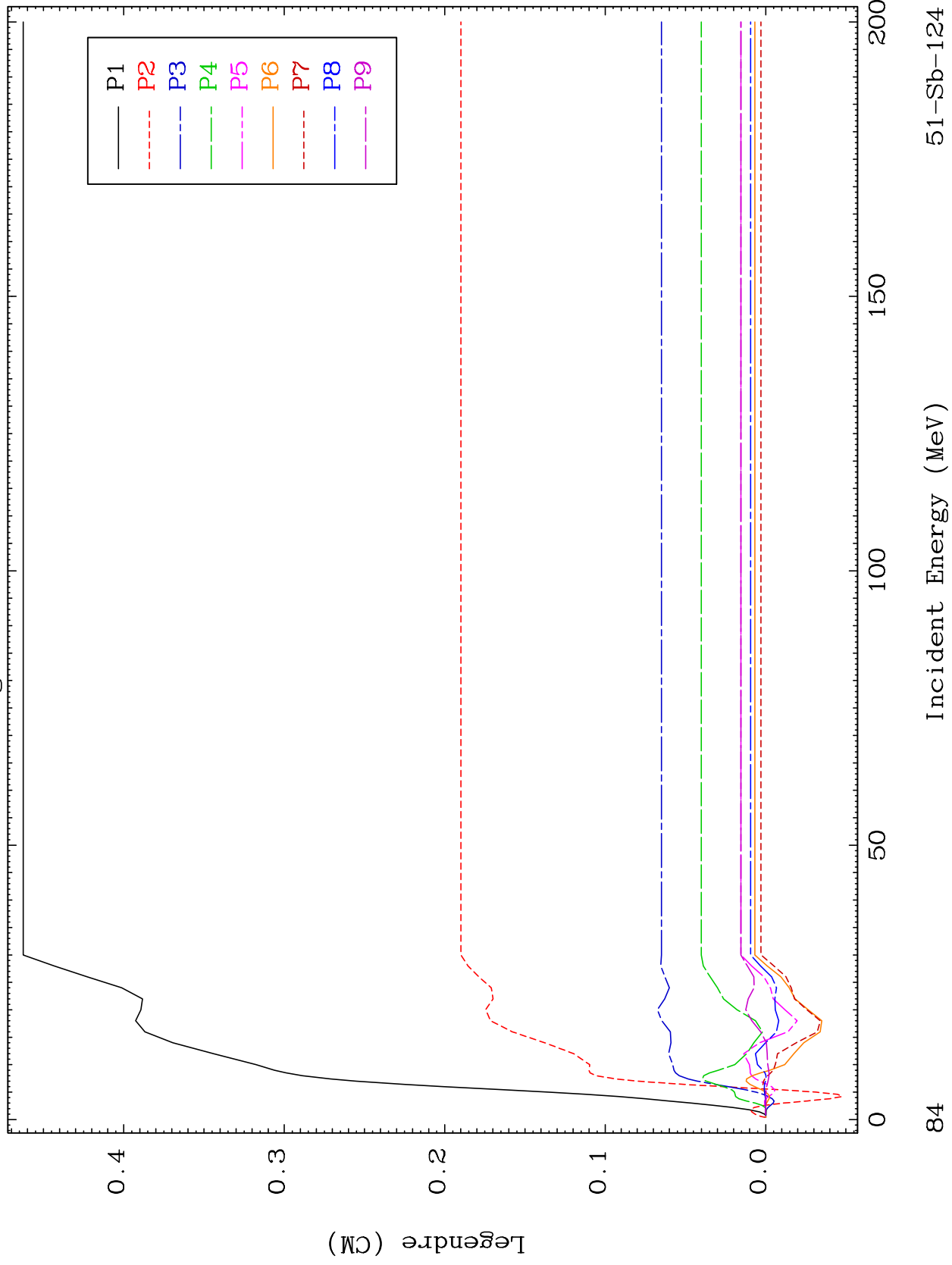
Legendre Coefficients



MAT 5134

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

51-Sb-124



51-Sb-124

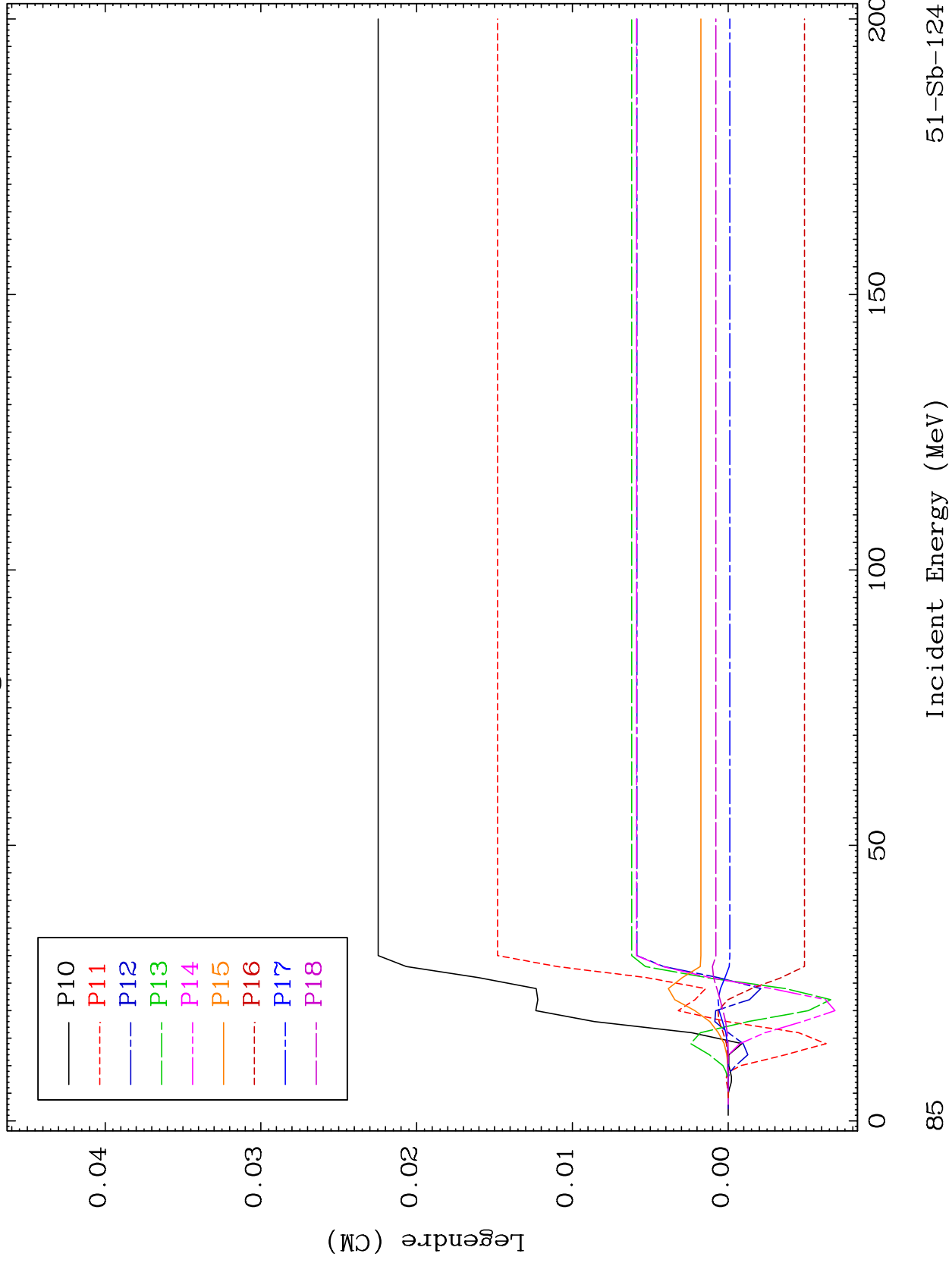
Incident Energy (MeV)

84

MAT 5134

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

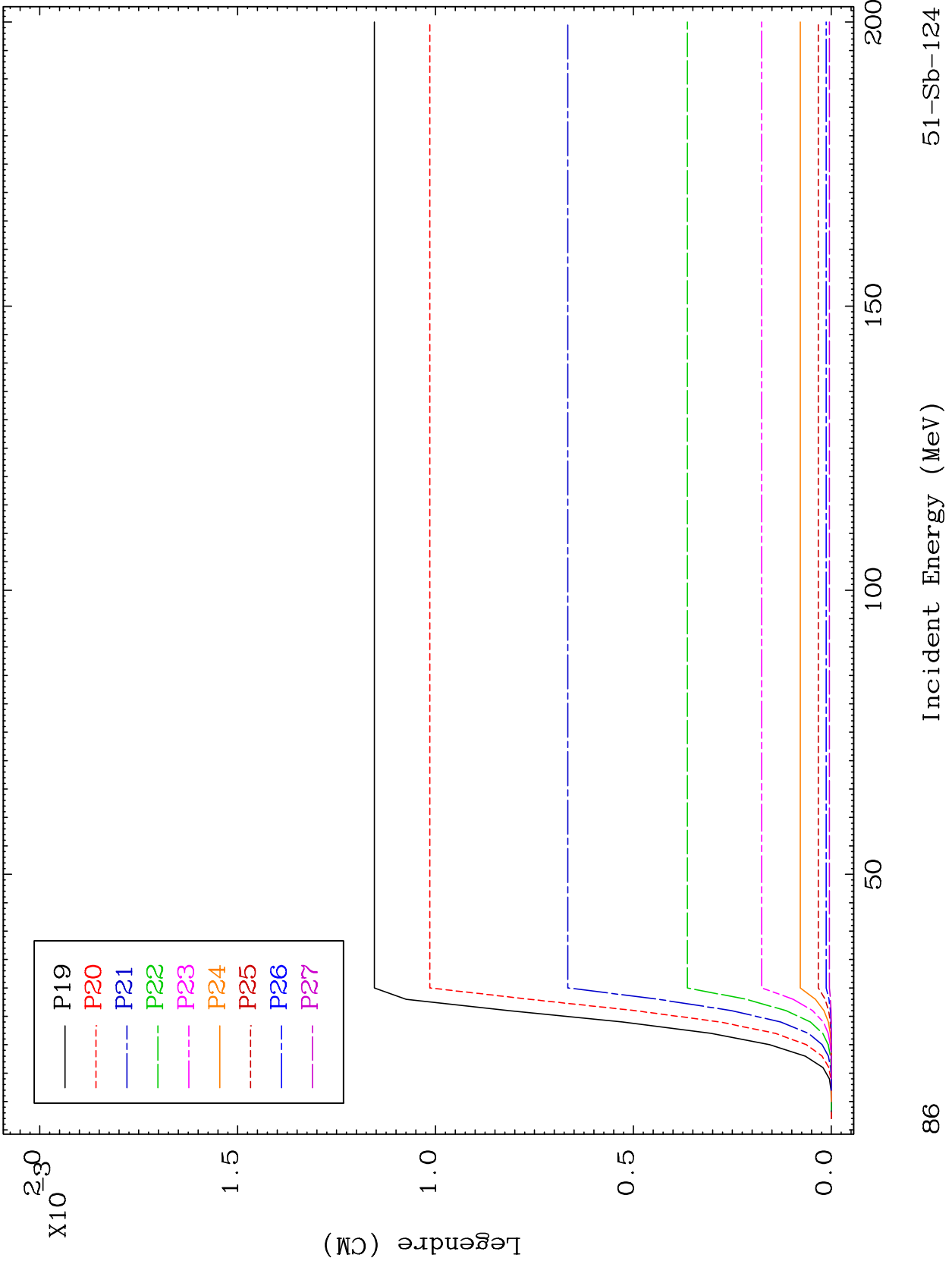
51-Sb-124



51-Sb-124

Incident Energy (MeV)

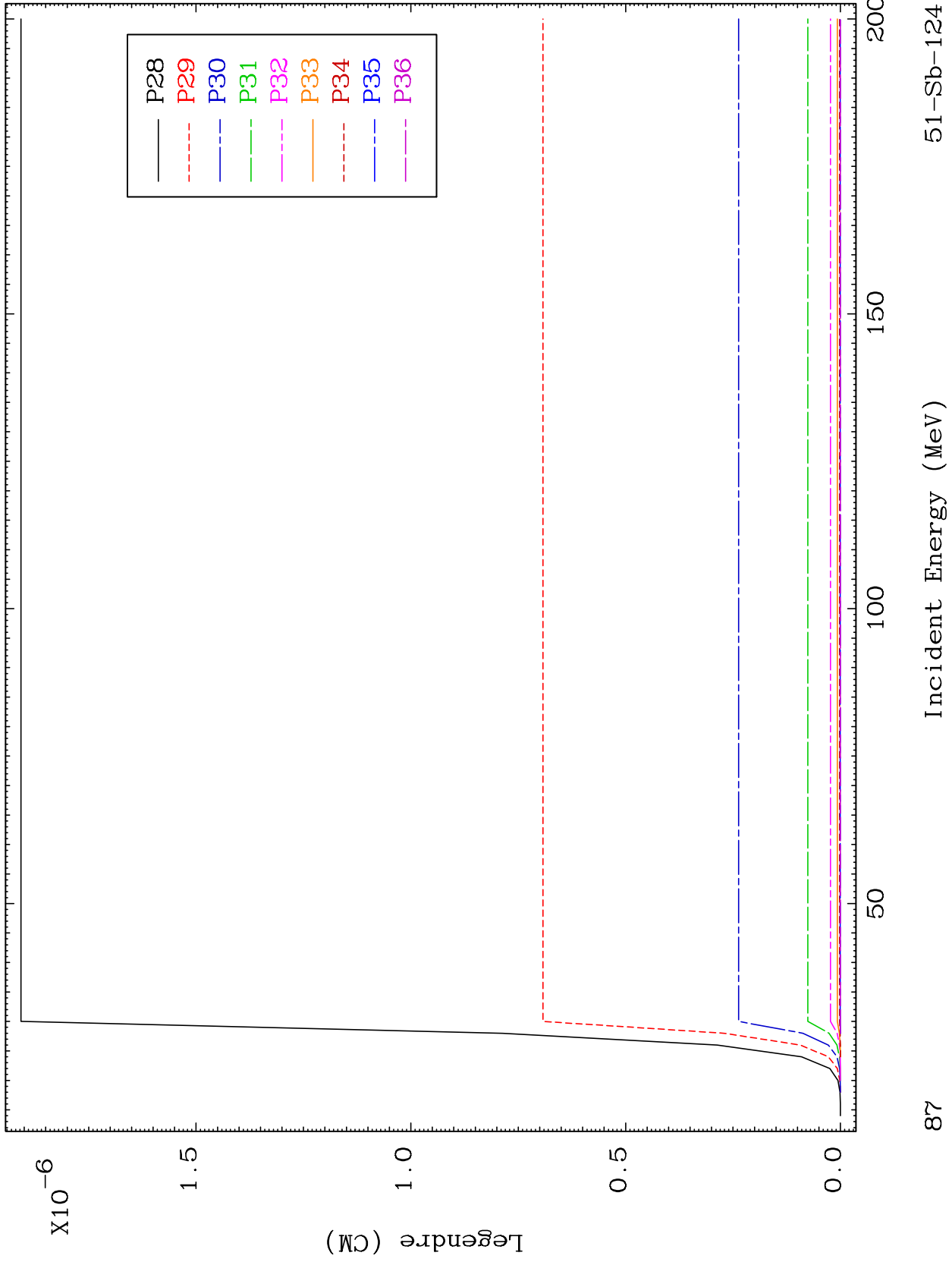
85



MAT 5134

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

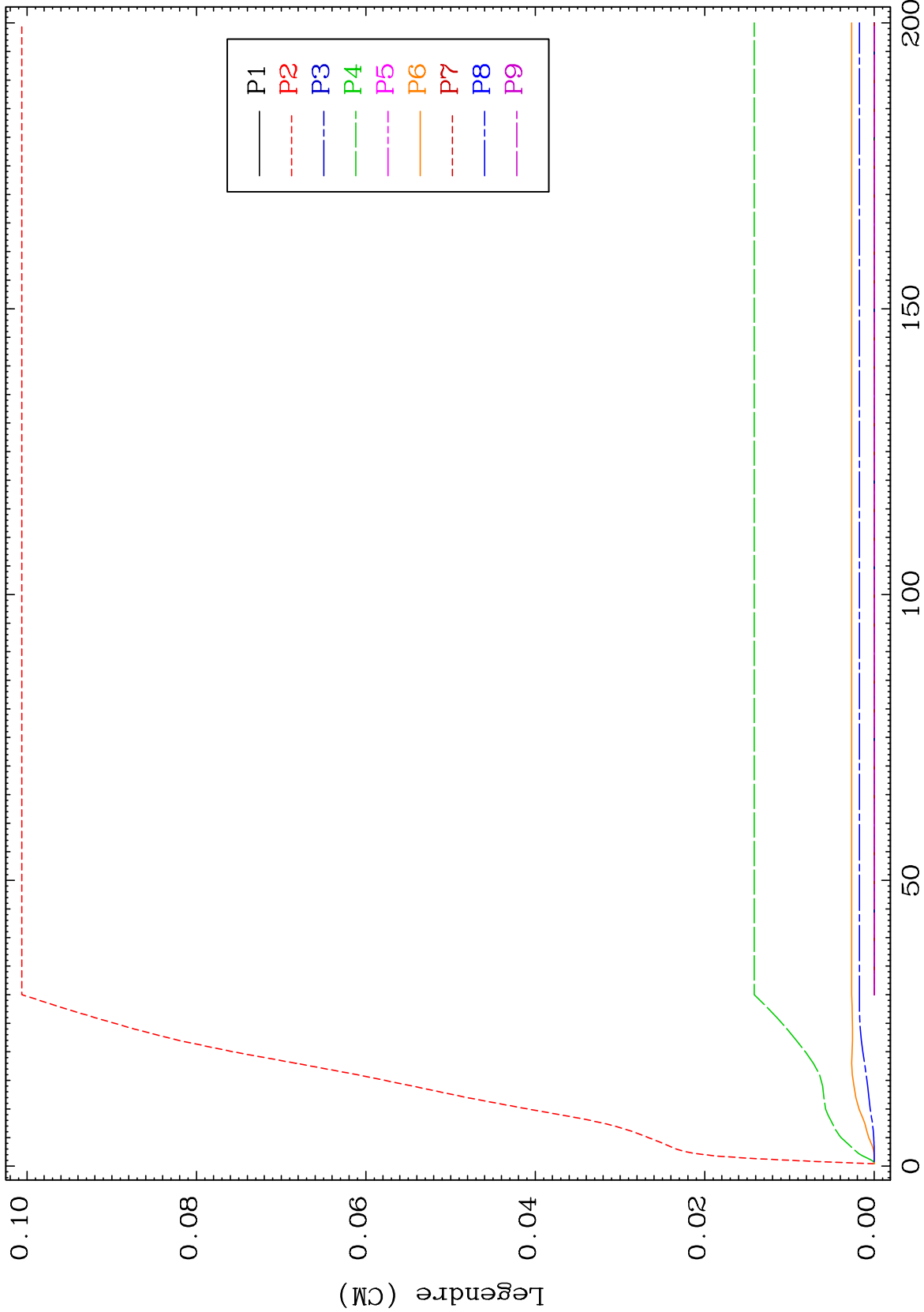
51-Sb-124



MAT 5134

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

51-Sb-124



88

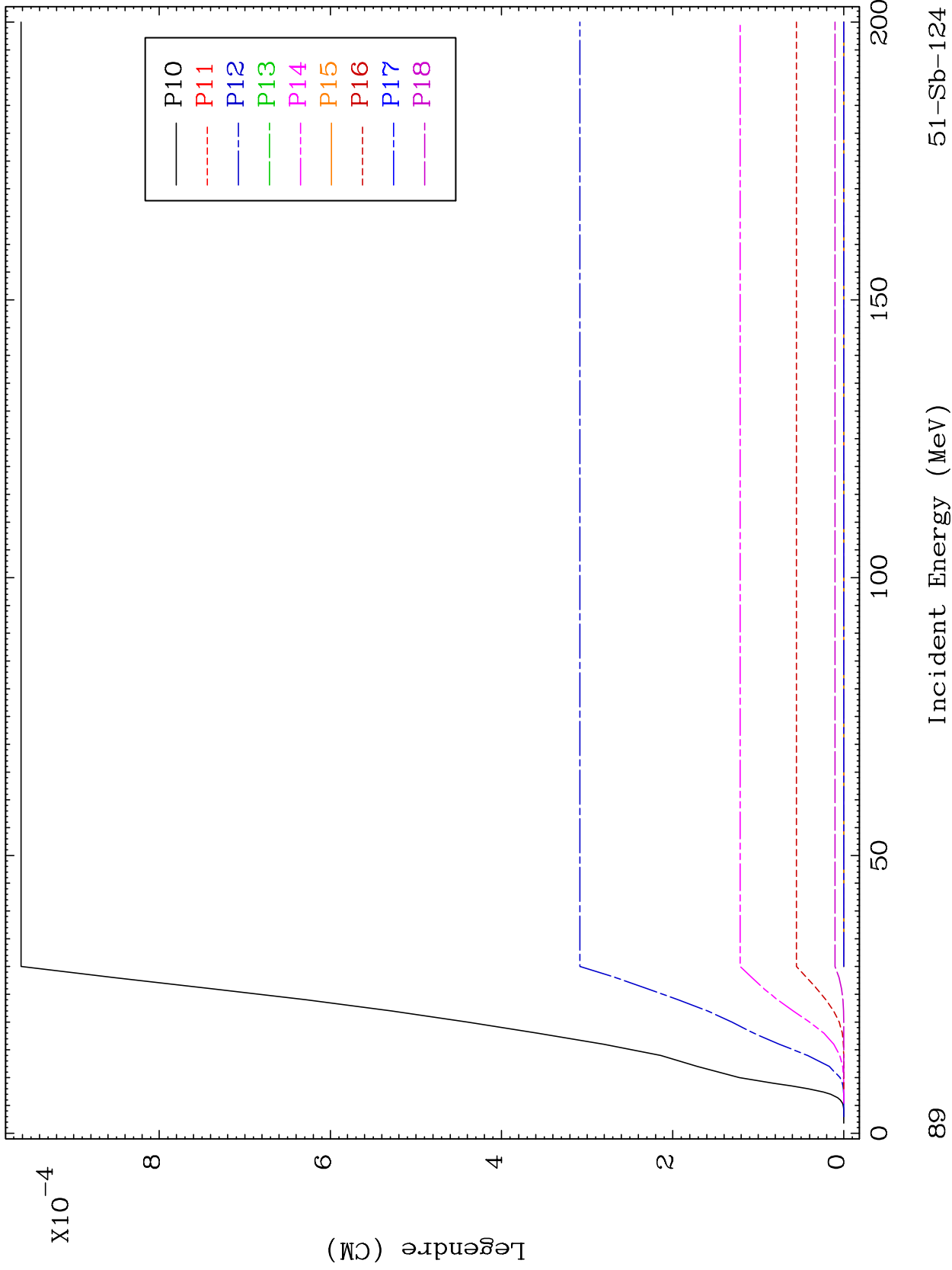
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



89

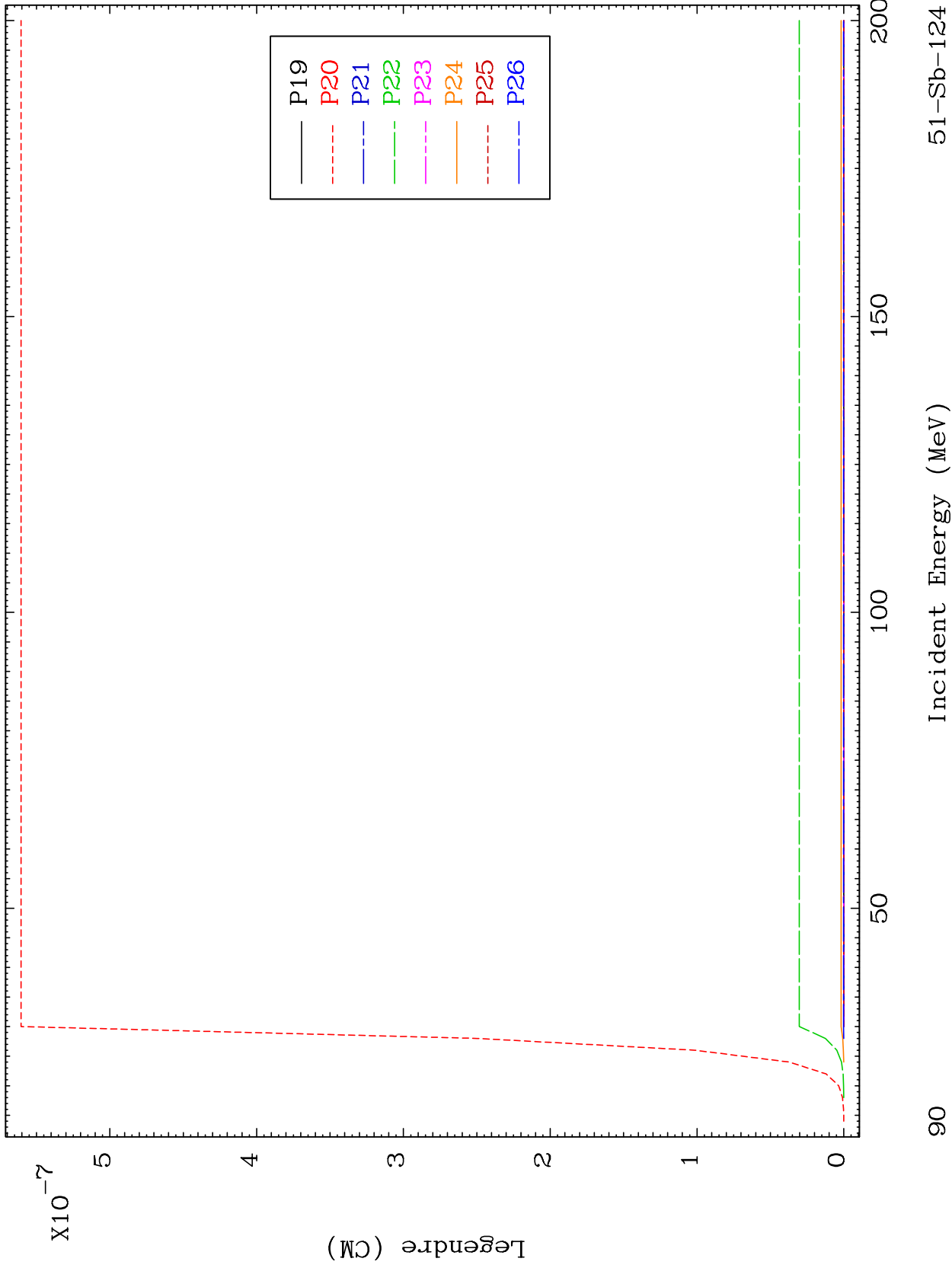
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

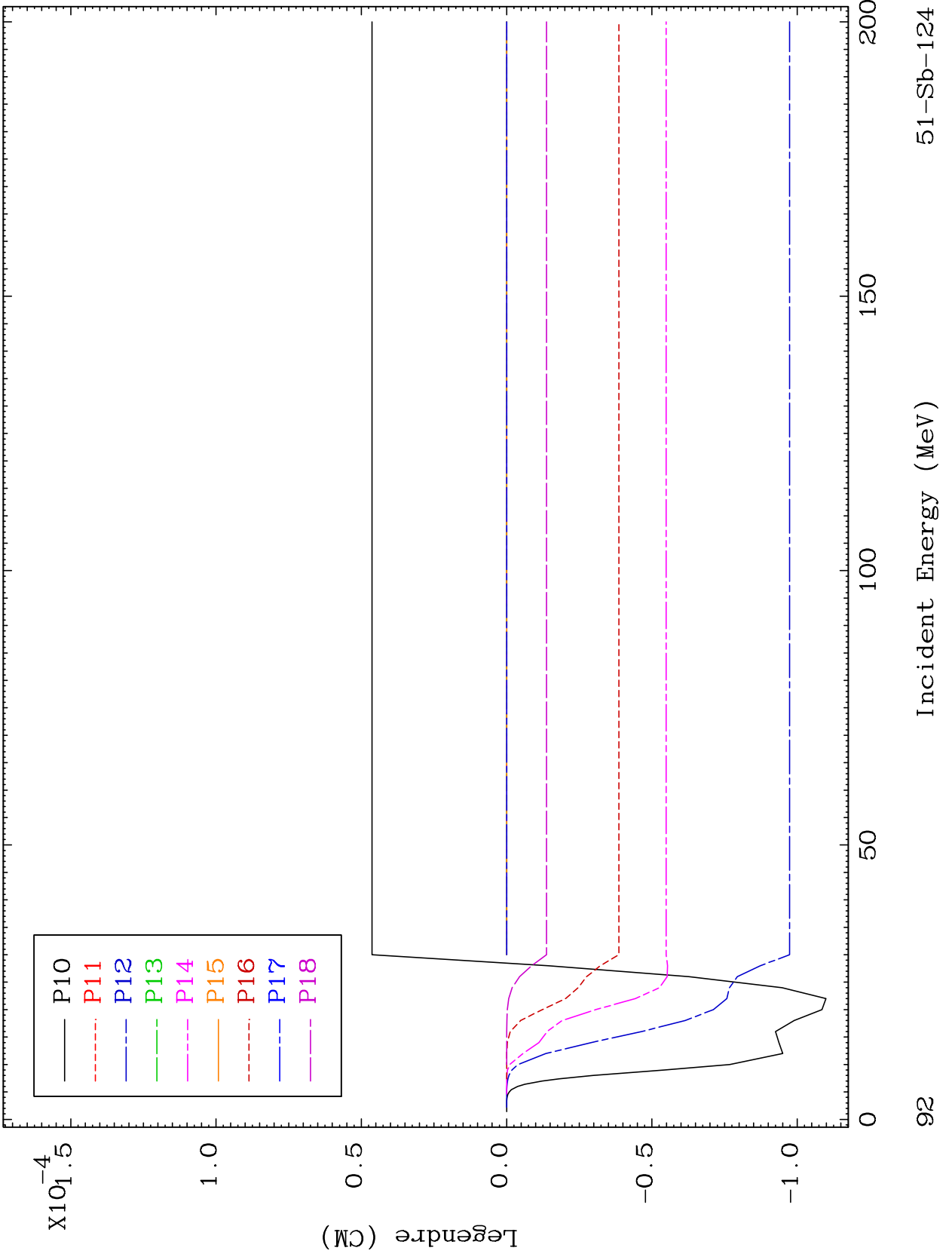
51-Sb-124



51-Sb-124

Incident Energy (MeV)

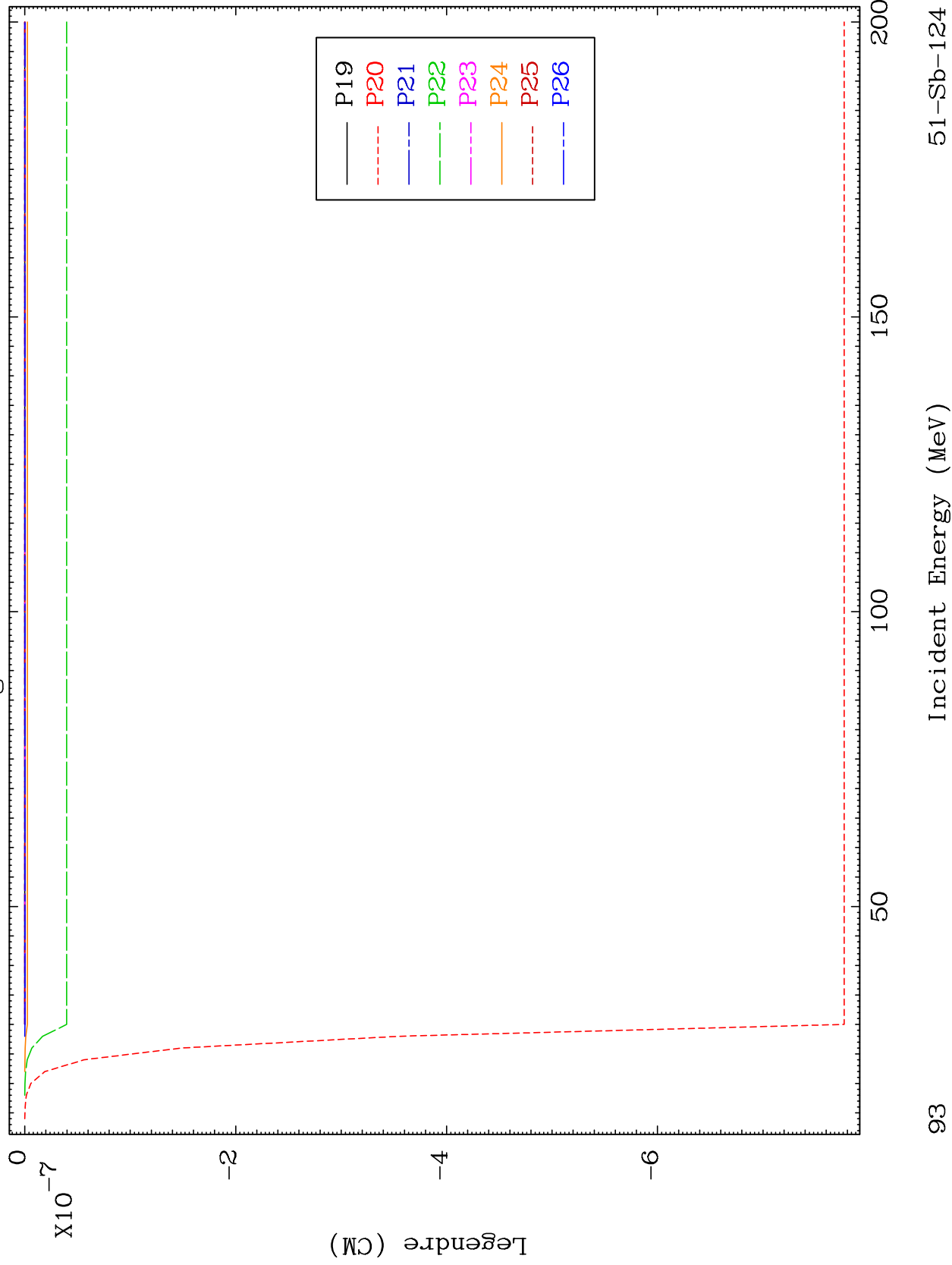
90

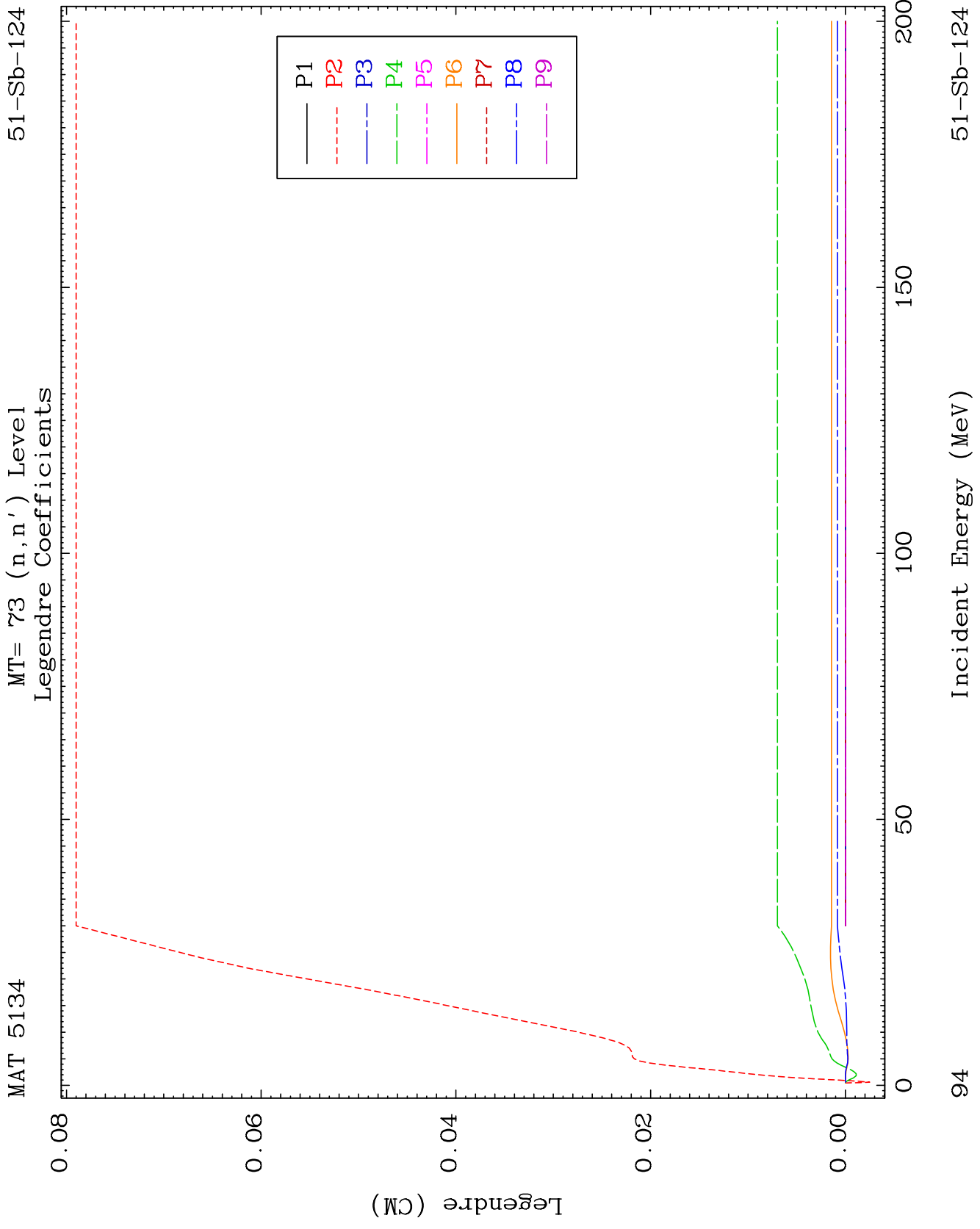


MAT 5134

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

51-Sb-124

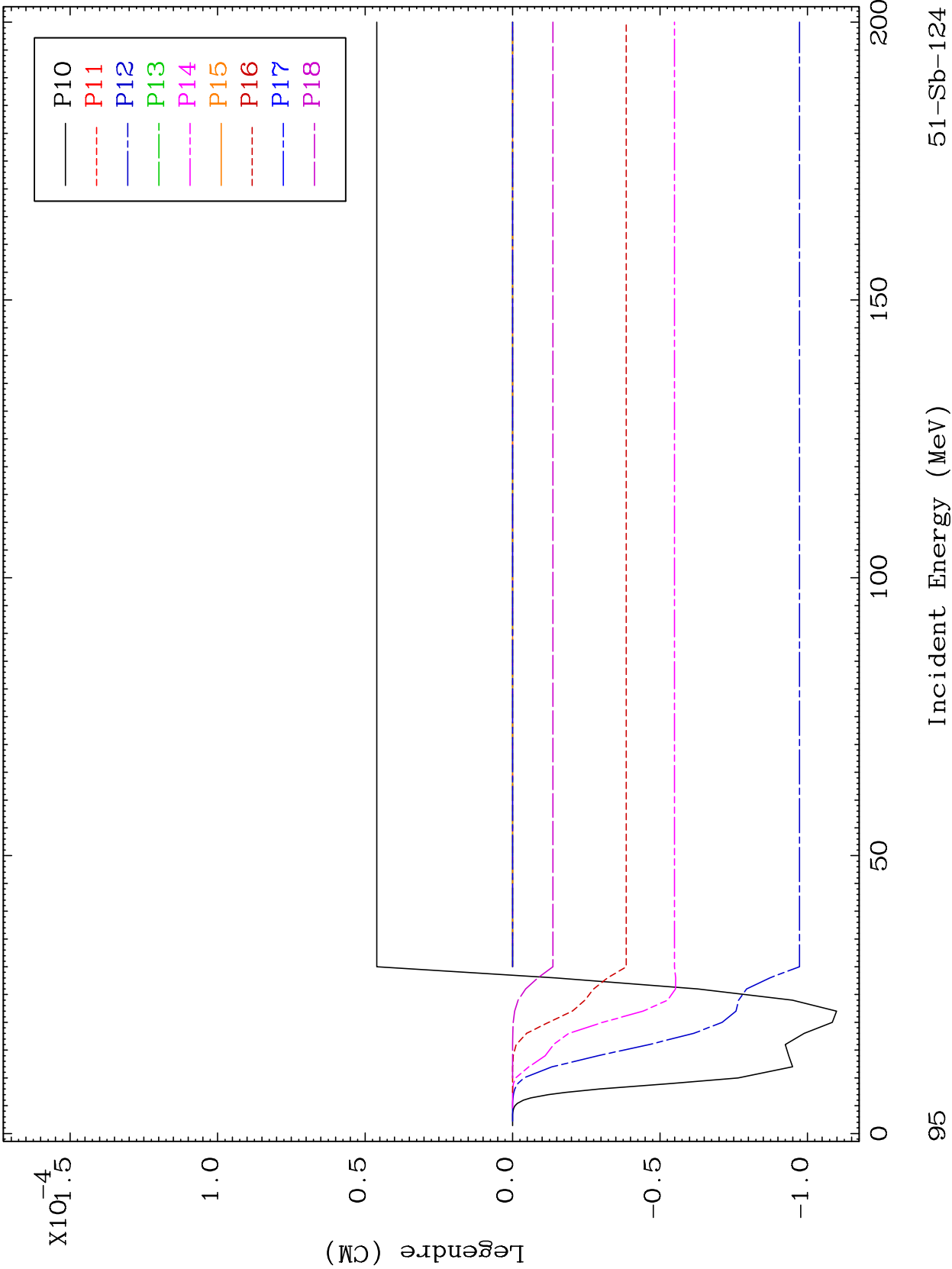




MAT 5134

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

51-Sb-124



51-Sb-124

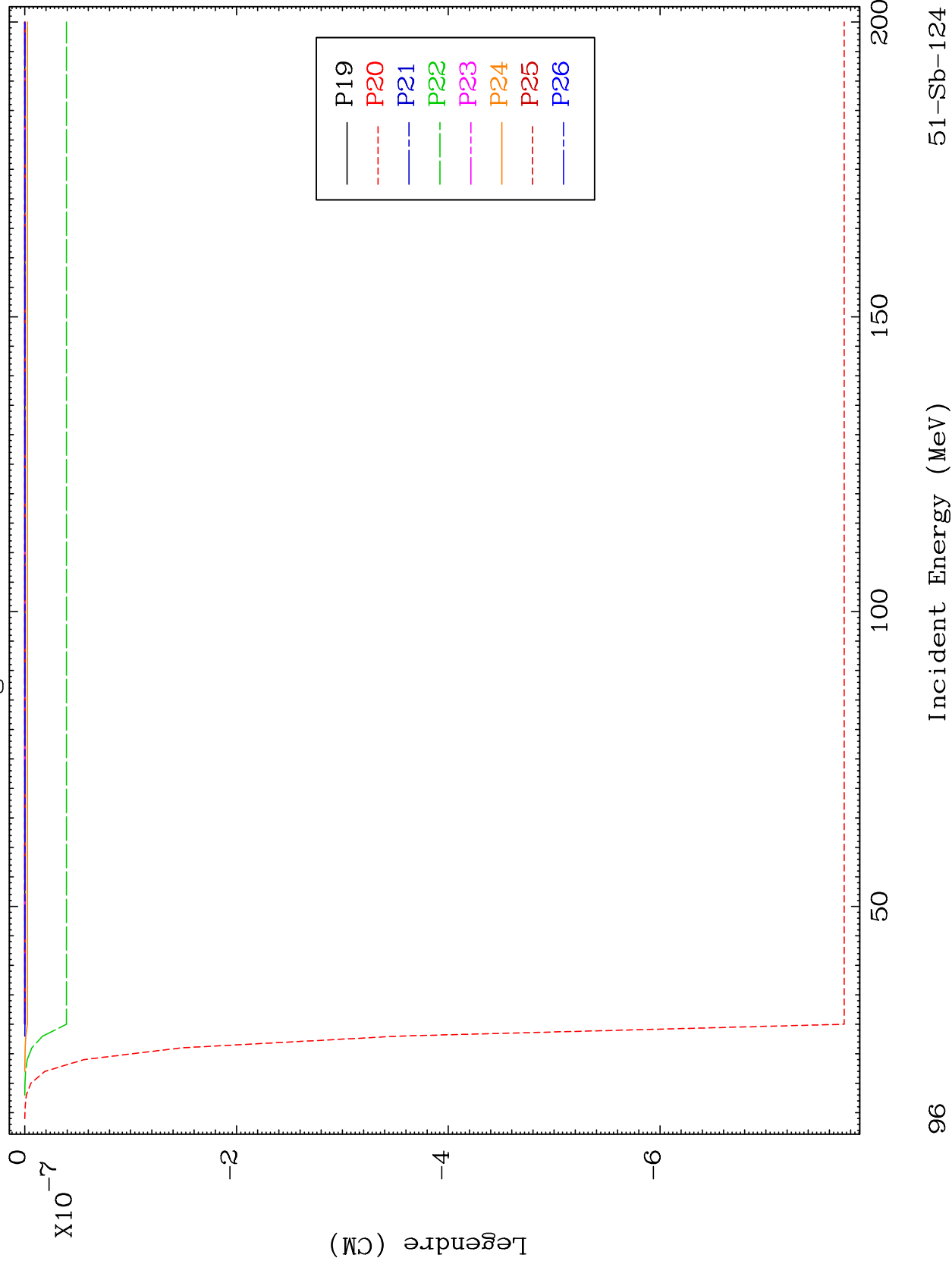
Incident Energy (MeV)

95

MAT 5134

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

51-Sb-124



96

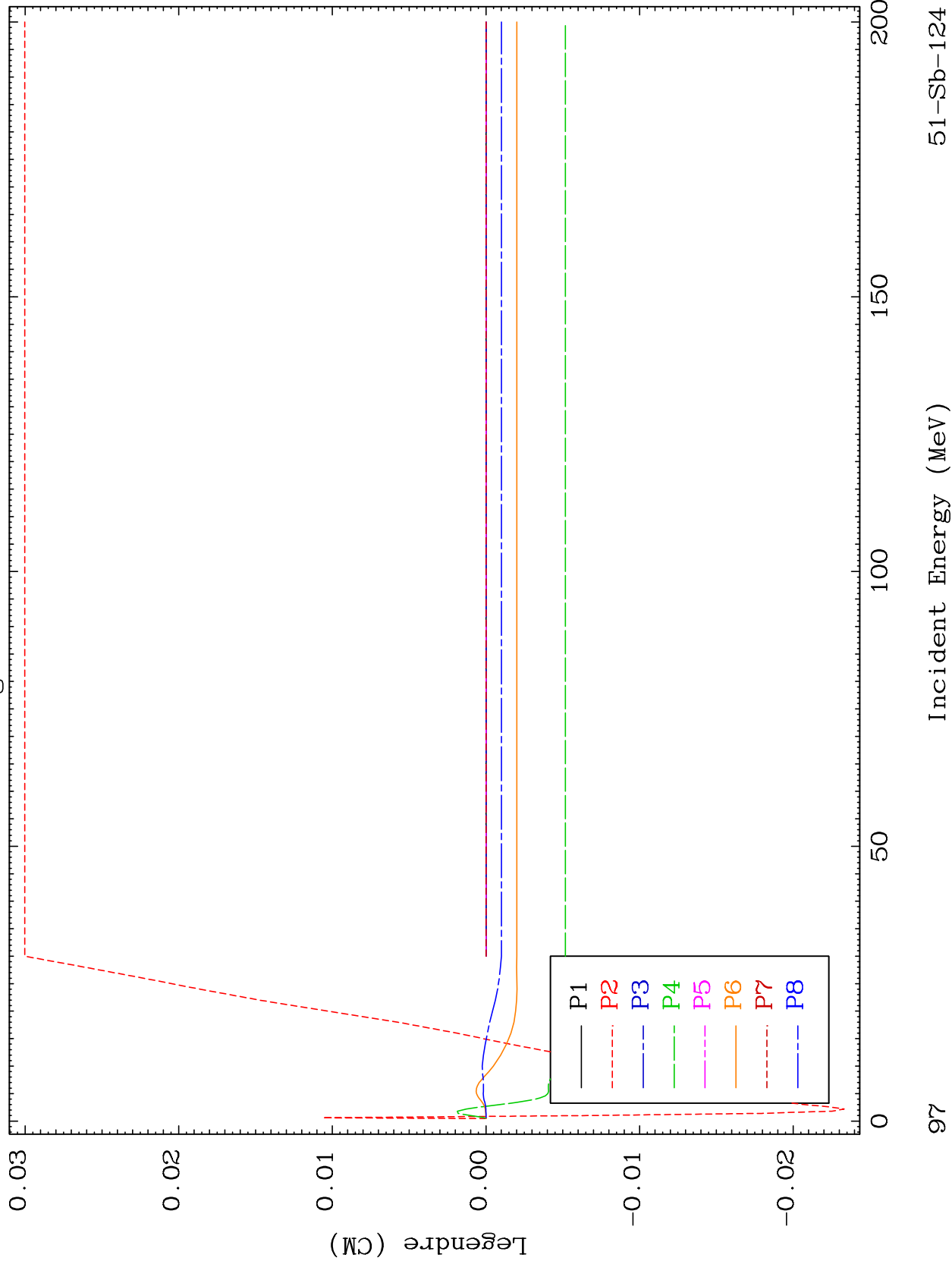
Incident Energy (MeV)

51-Sb-124

MAT 5134

51-Sb-124

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



97

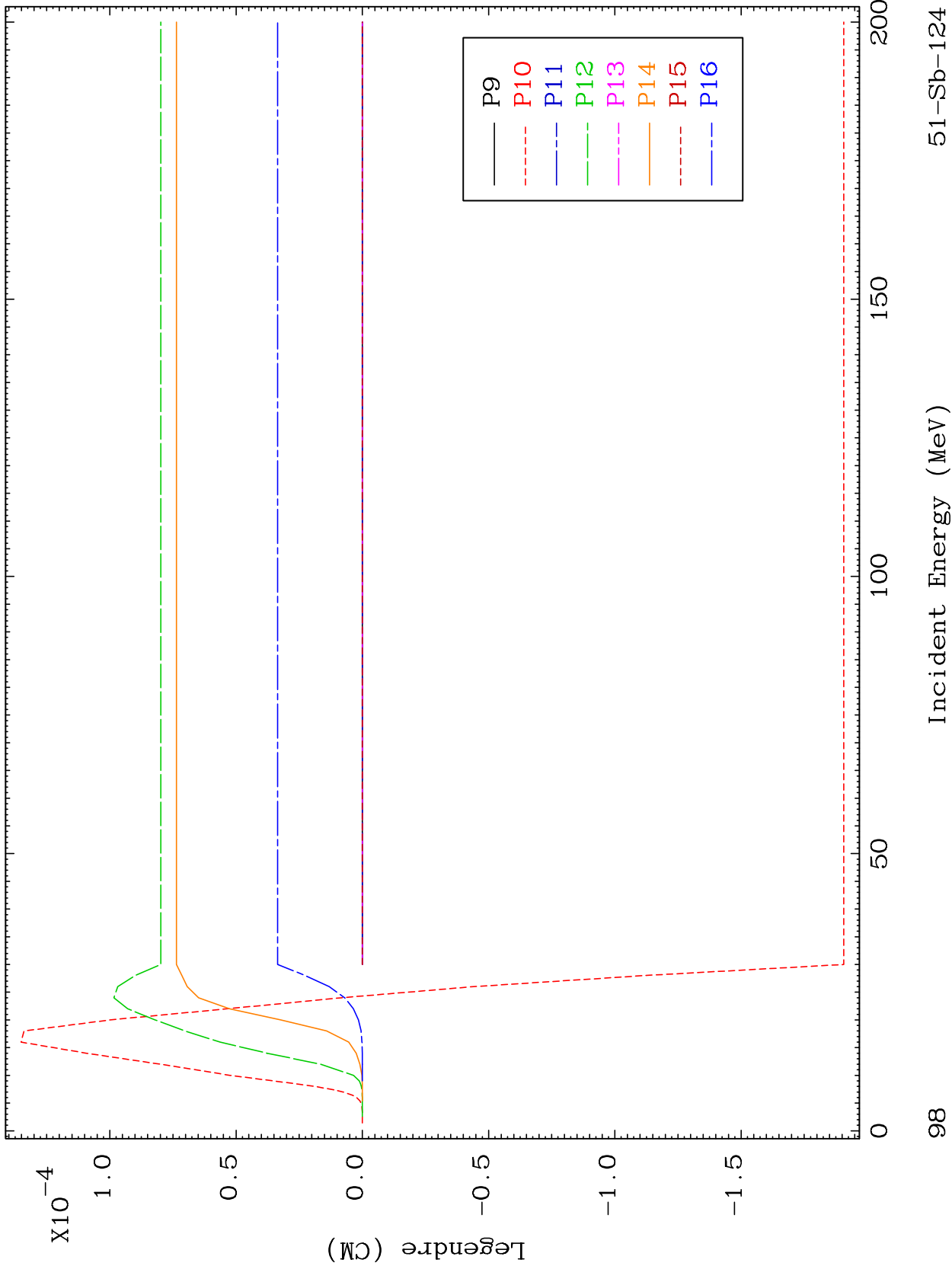
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



51-Sb-124

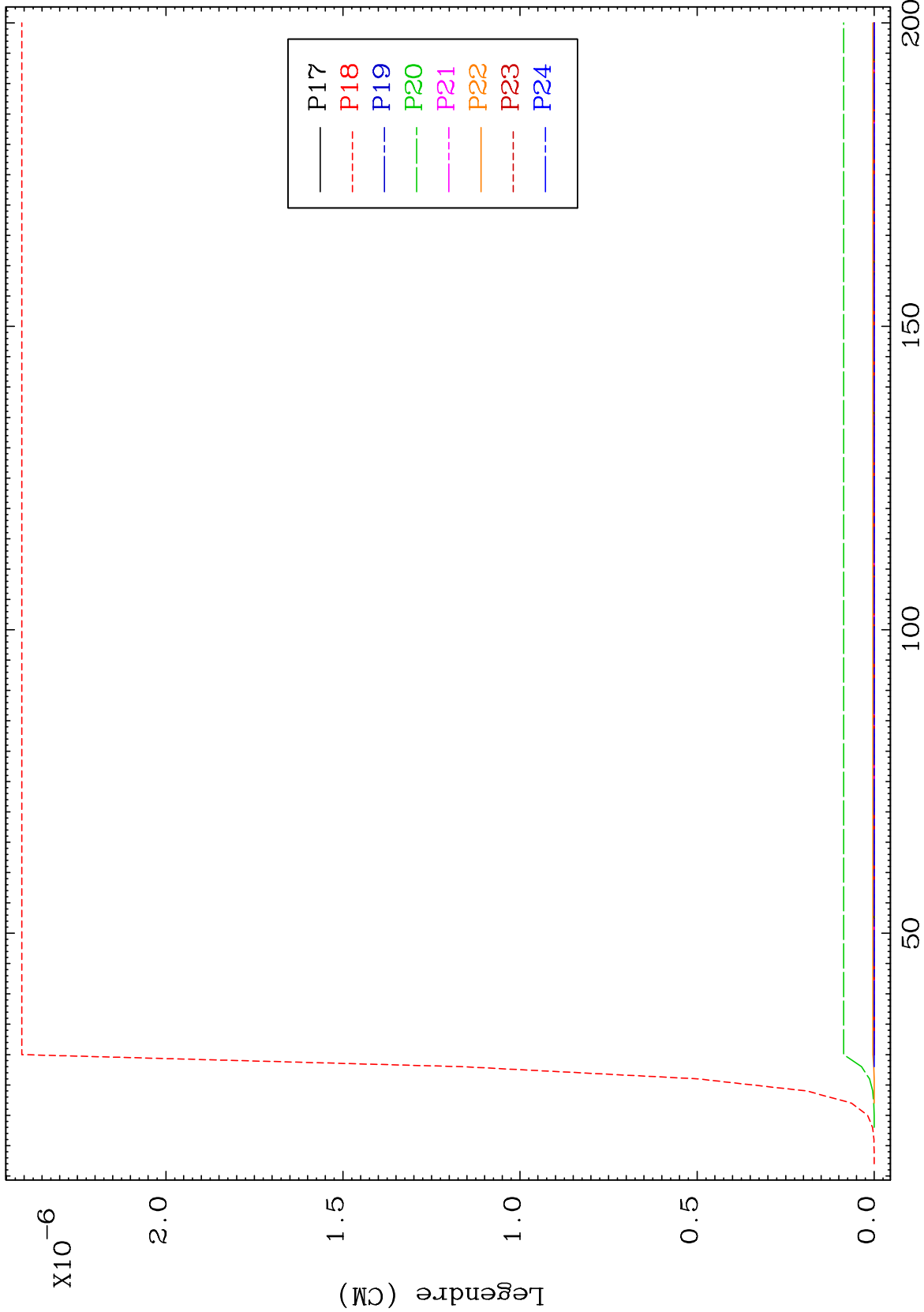
Incident Energy (MeV)

98

MAT 5134

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

51-Sb-124



99

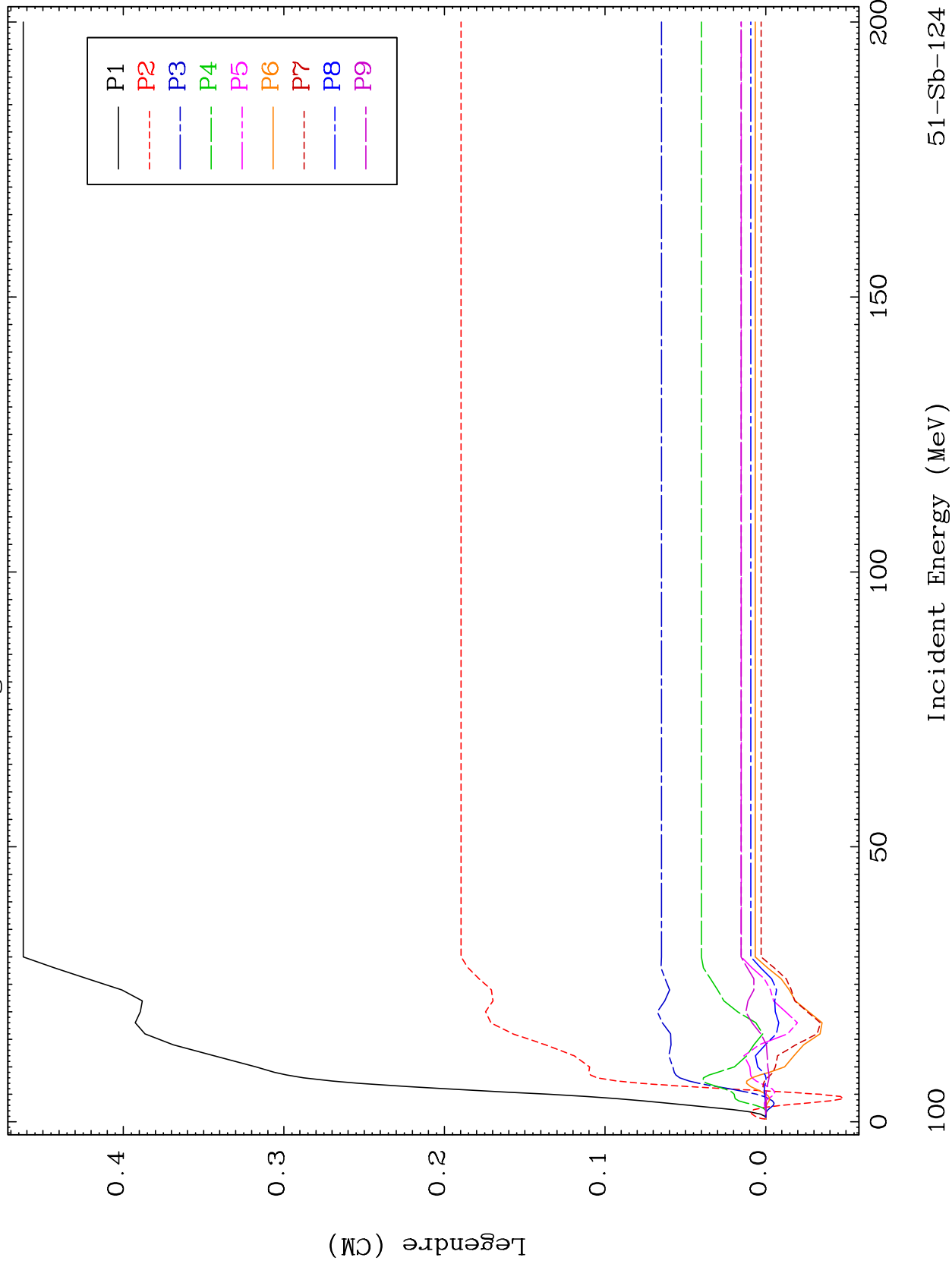
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124

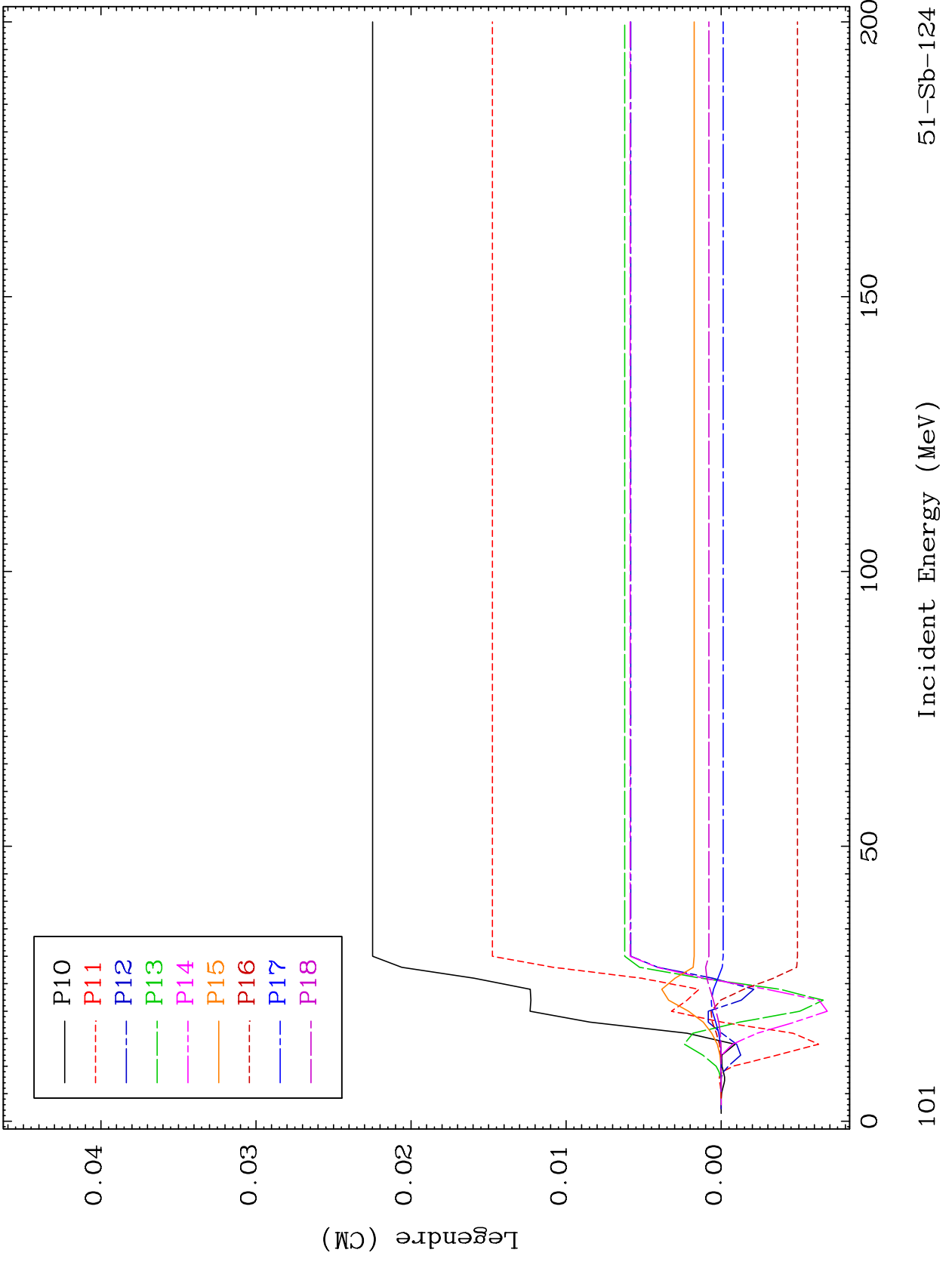


51-Sb-124

MAT 5134

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

51-Sb-124



101

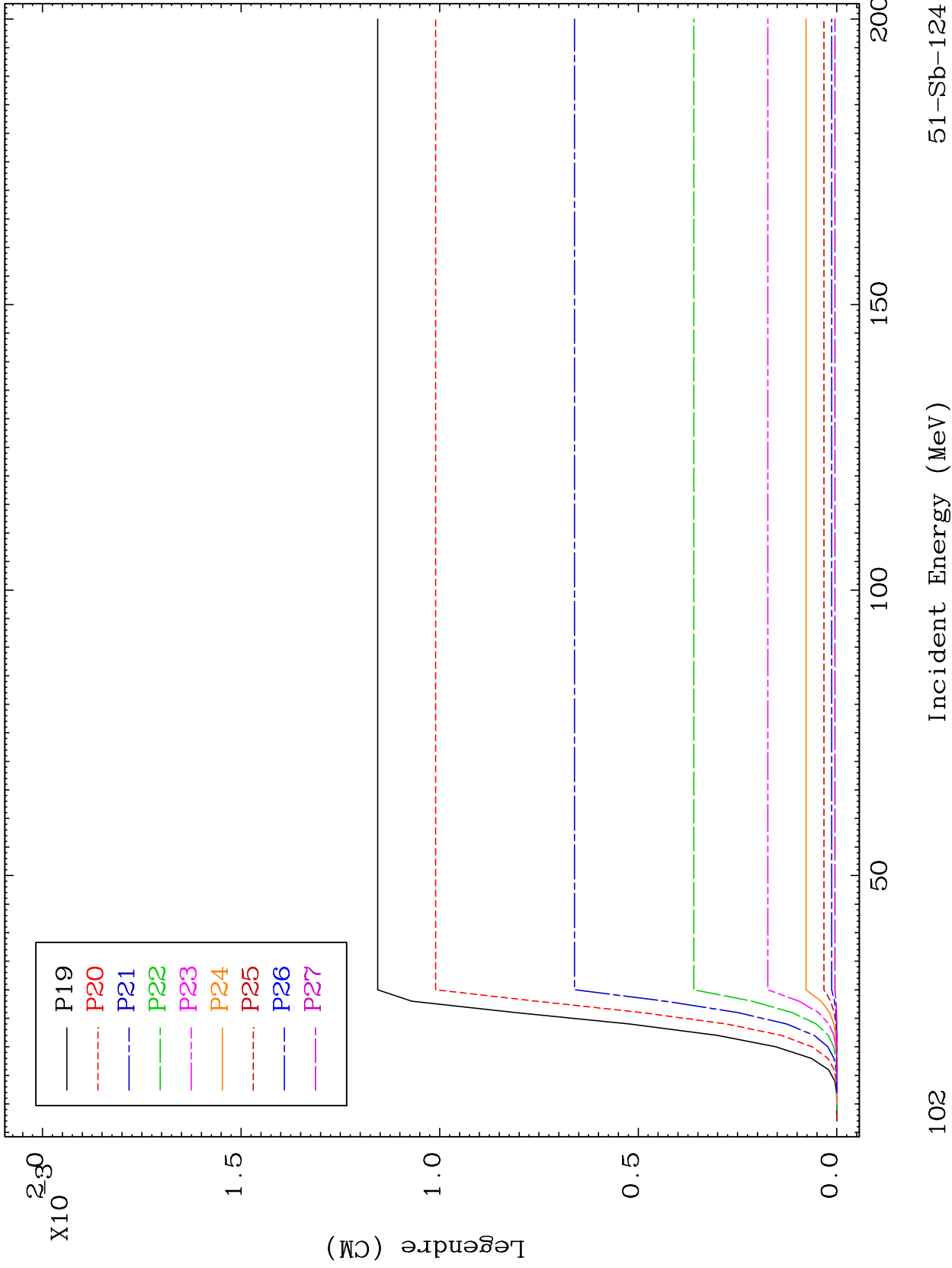
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124

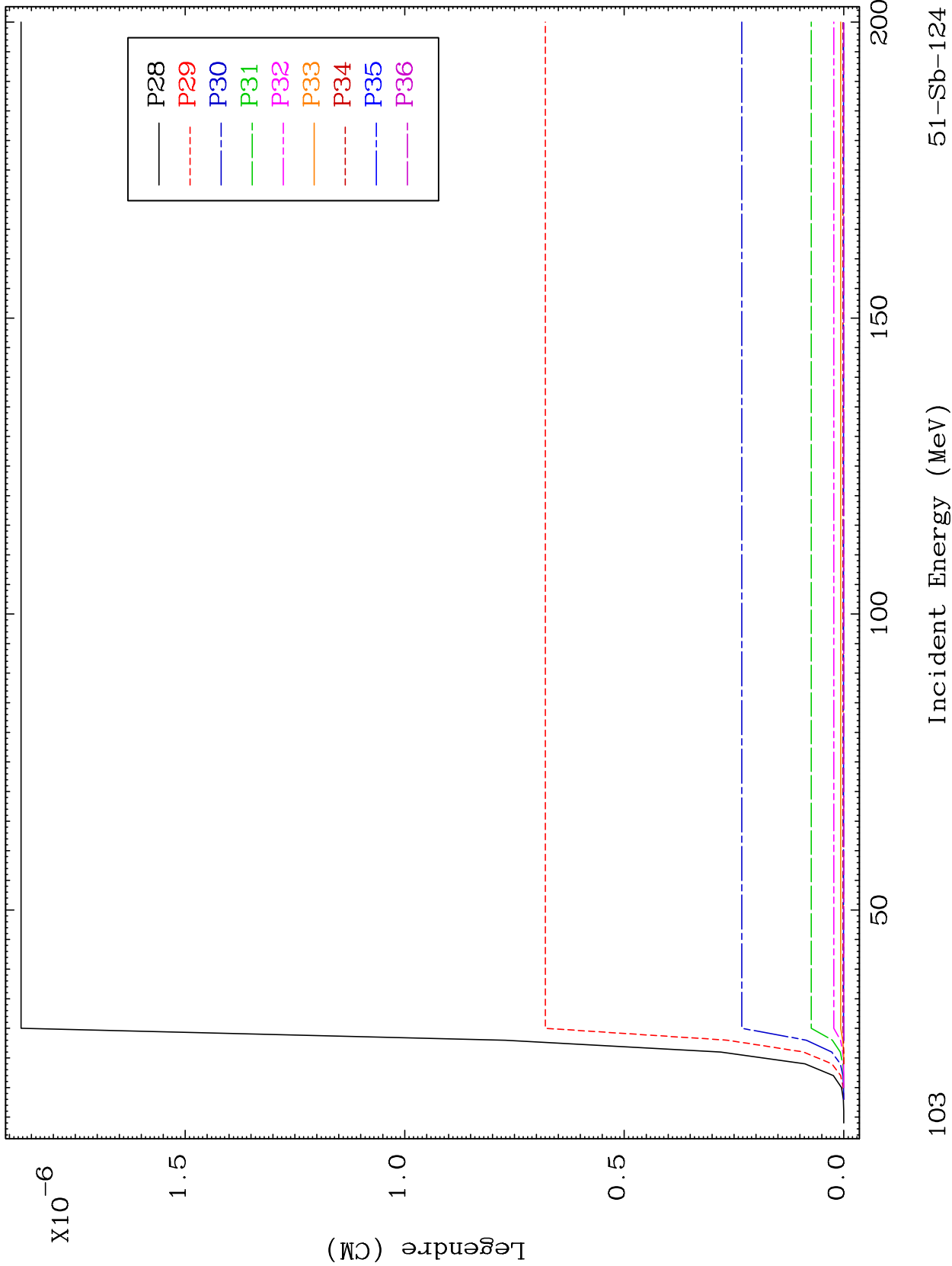


102

MAT 5134

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

51-Sb-124



103

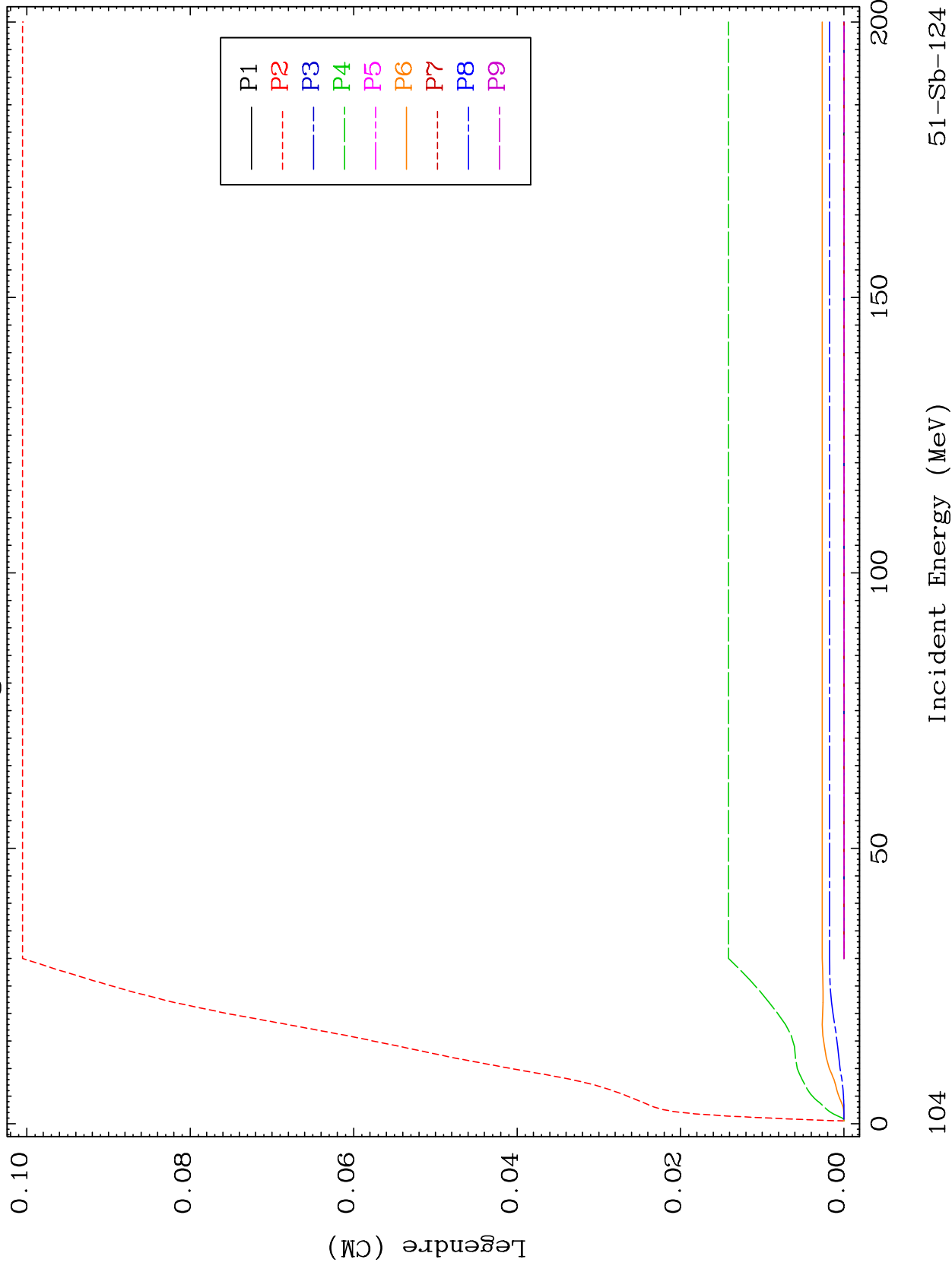
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



51-Sb-124

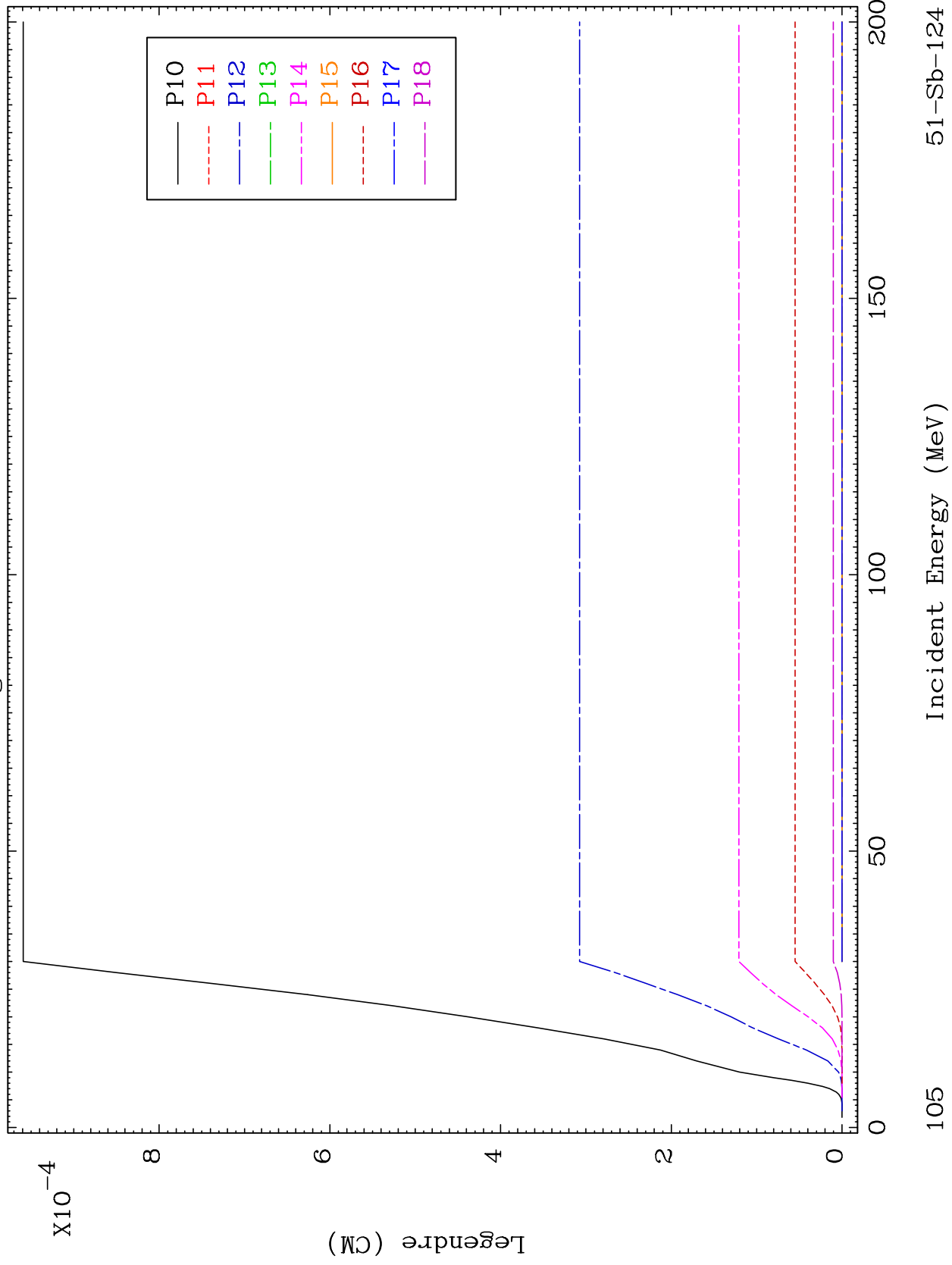
Incident Energy (MeV)

104

MAT 5134

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

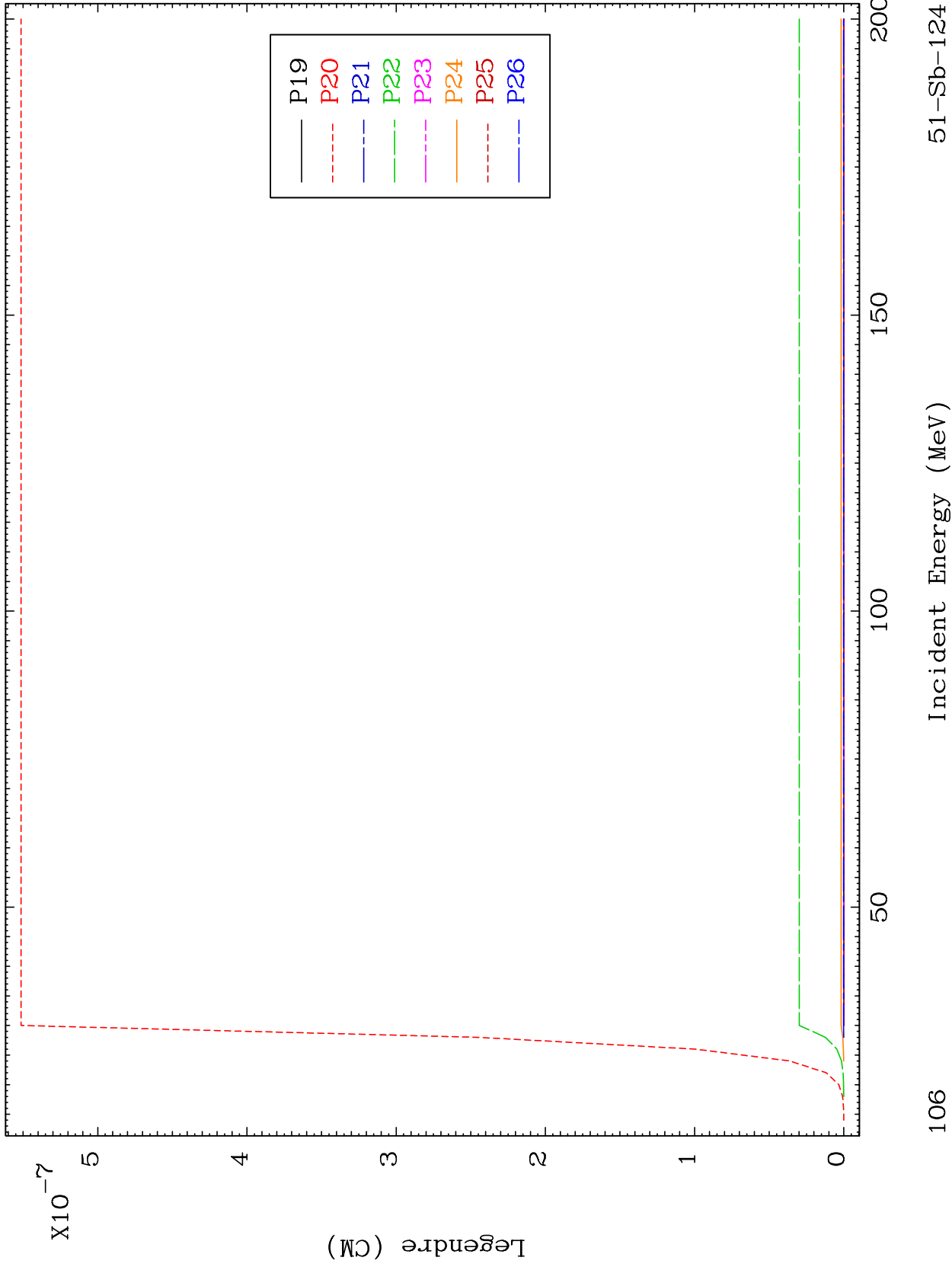
51-Sb-124



MAT 5134

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

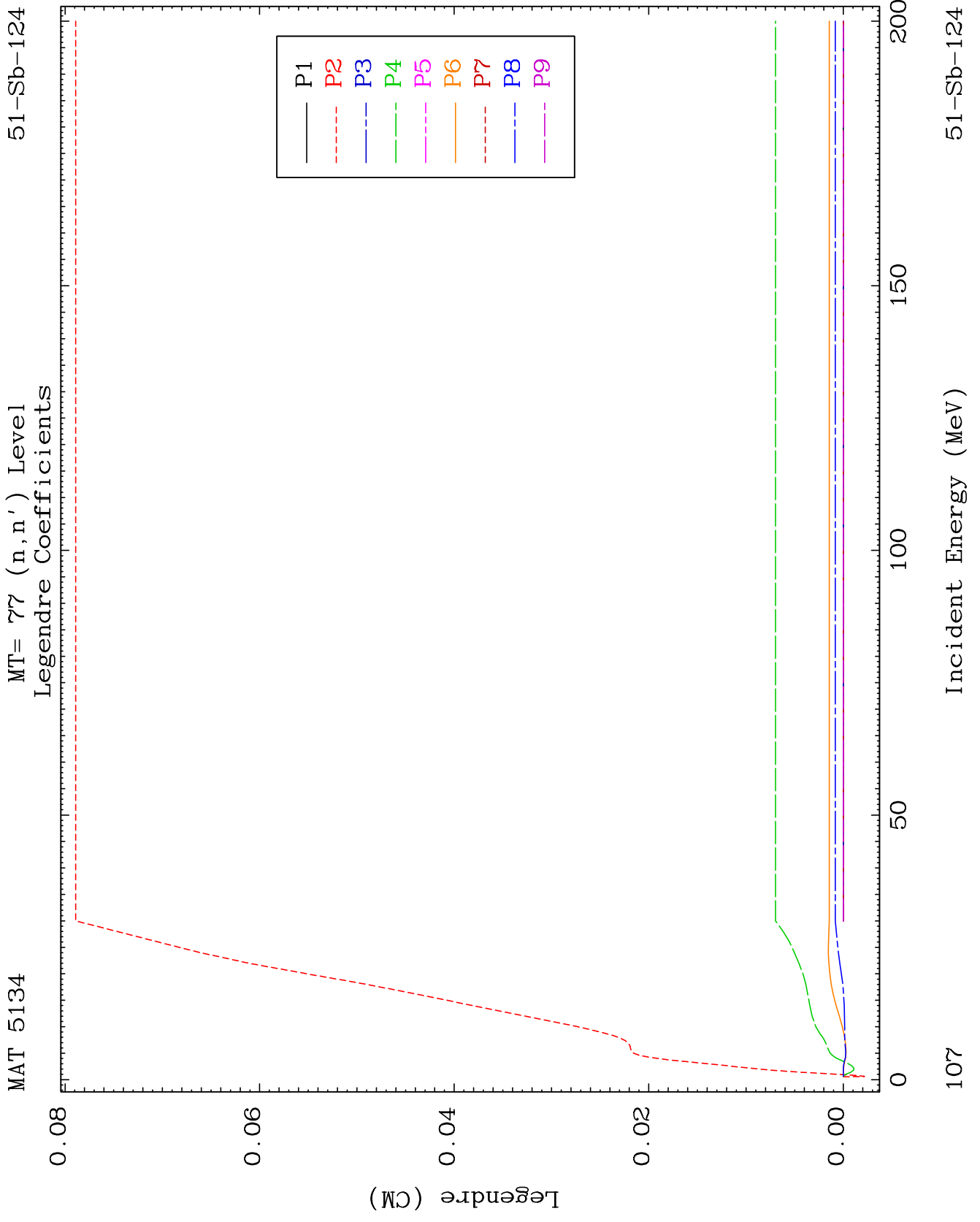
51-Sb-124

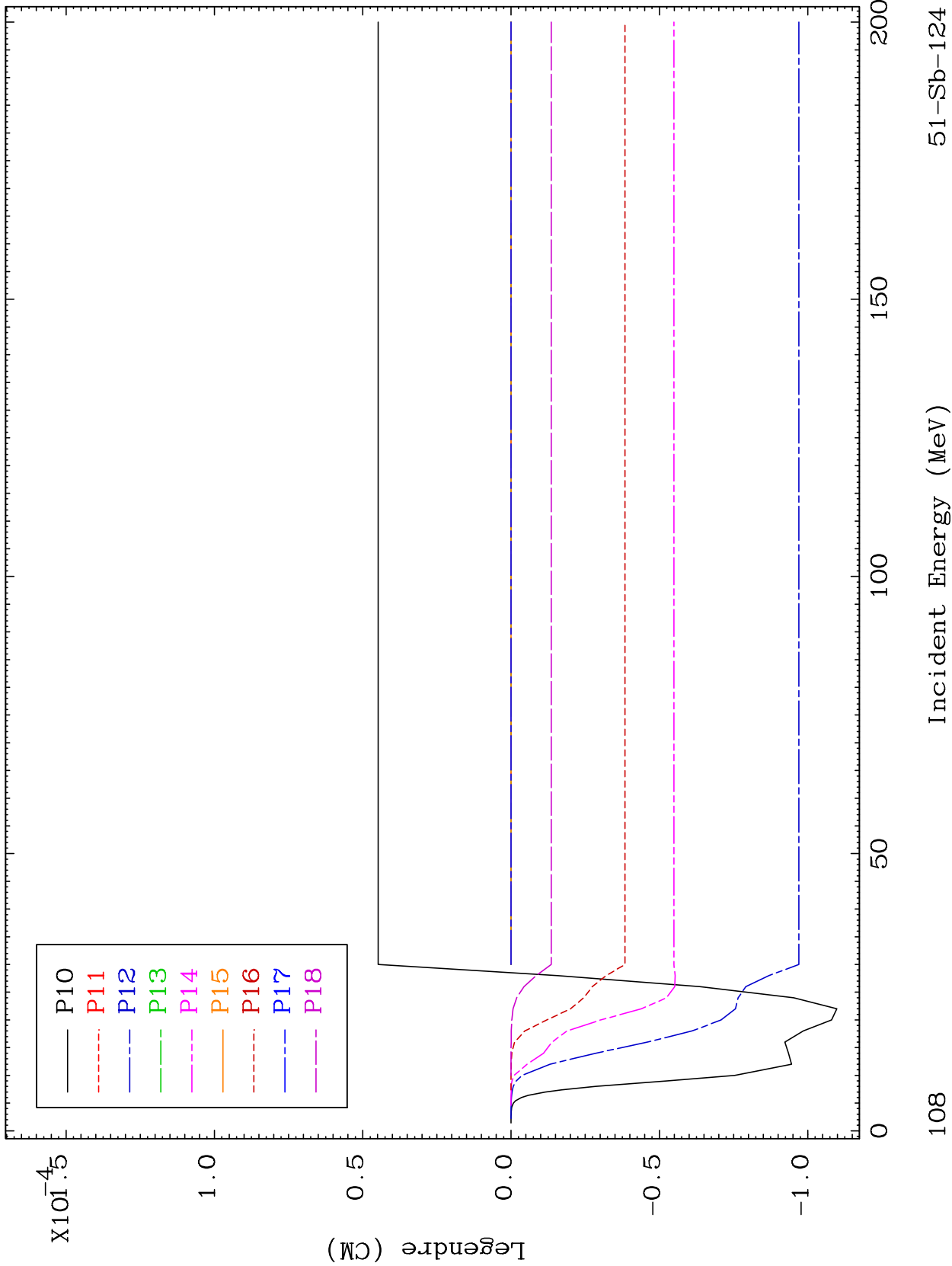


51-Sb-124

Incident Energy (MeV)

106

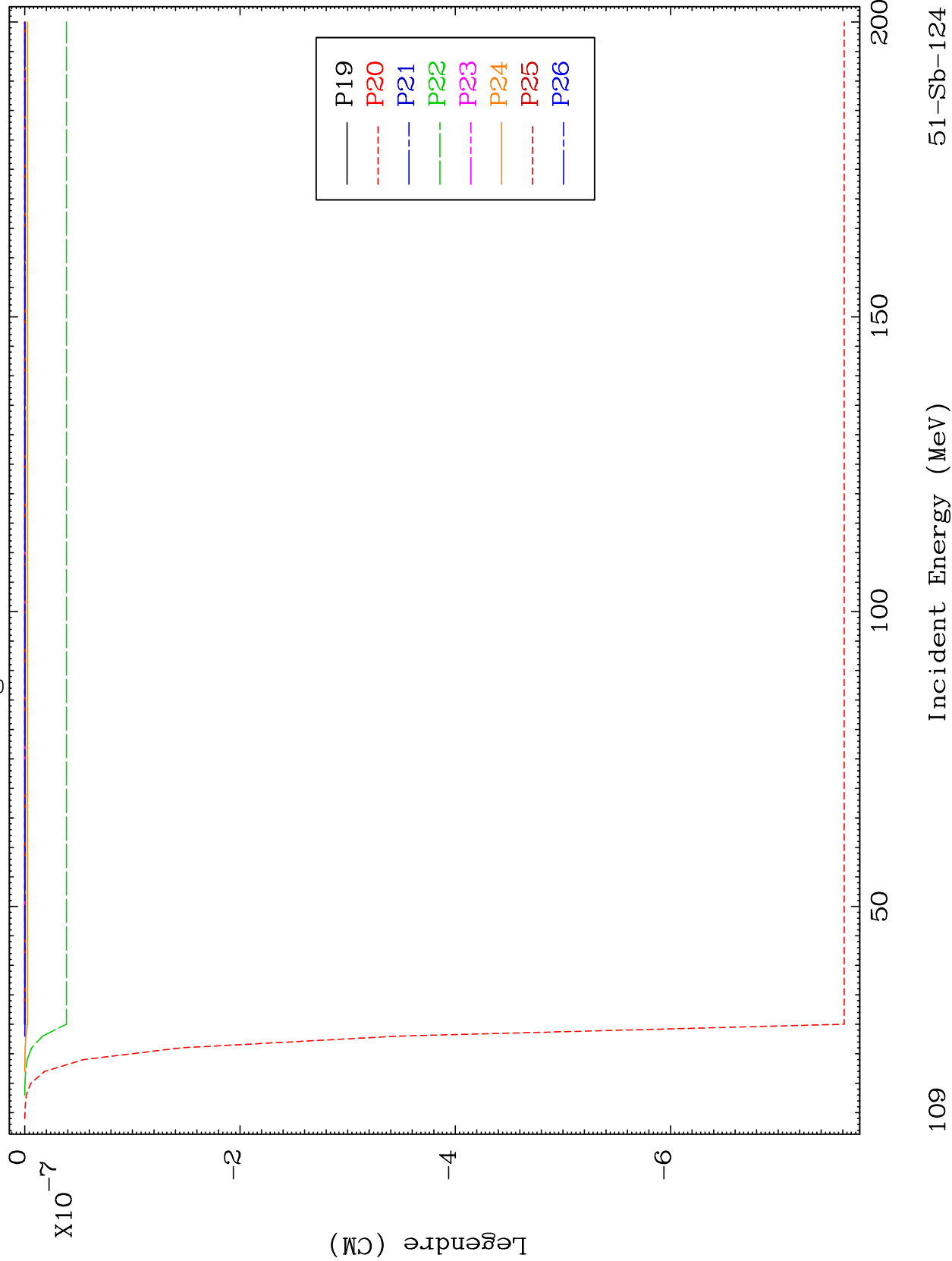




MAT 5134

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

51-Sb-124



109

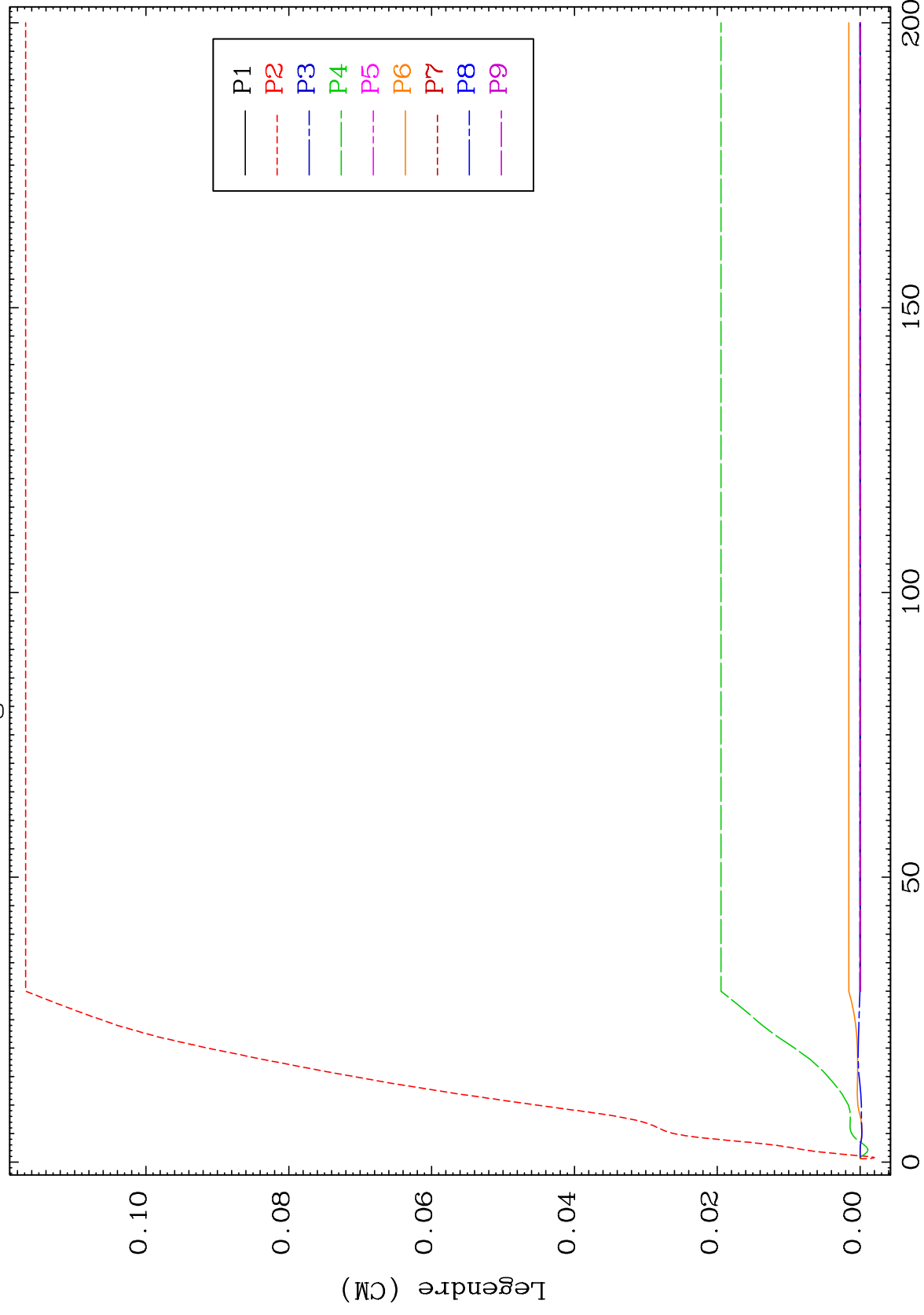
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



51-Sb-124

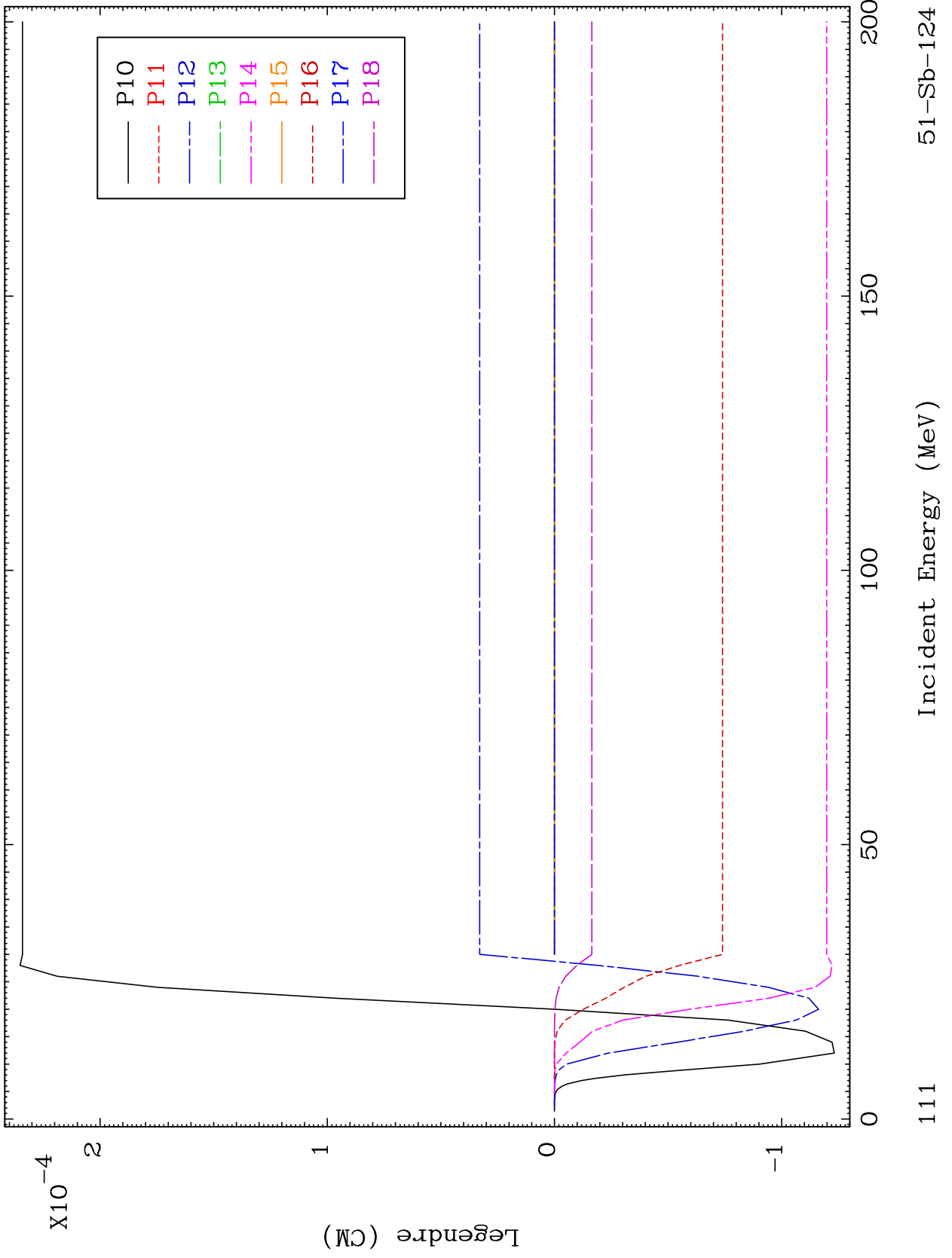
Incident Energy (MeV)

110

MAT 5134

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

51-Sb-124



111

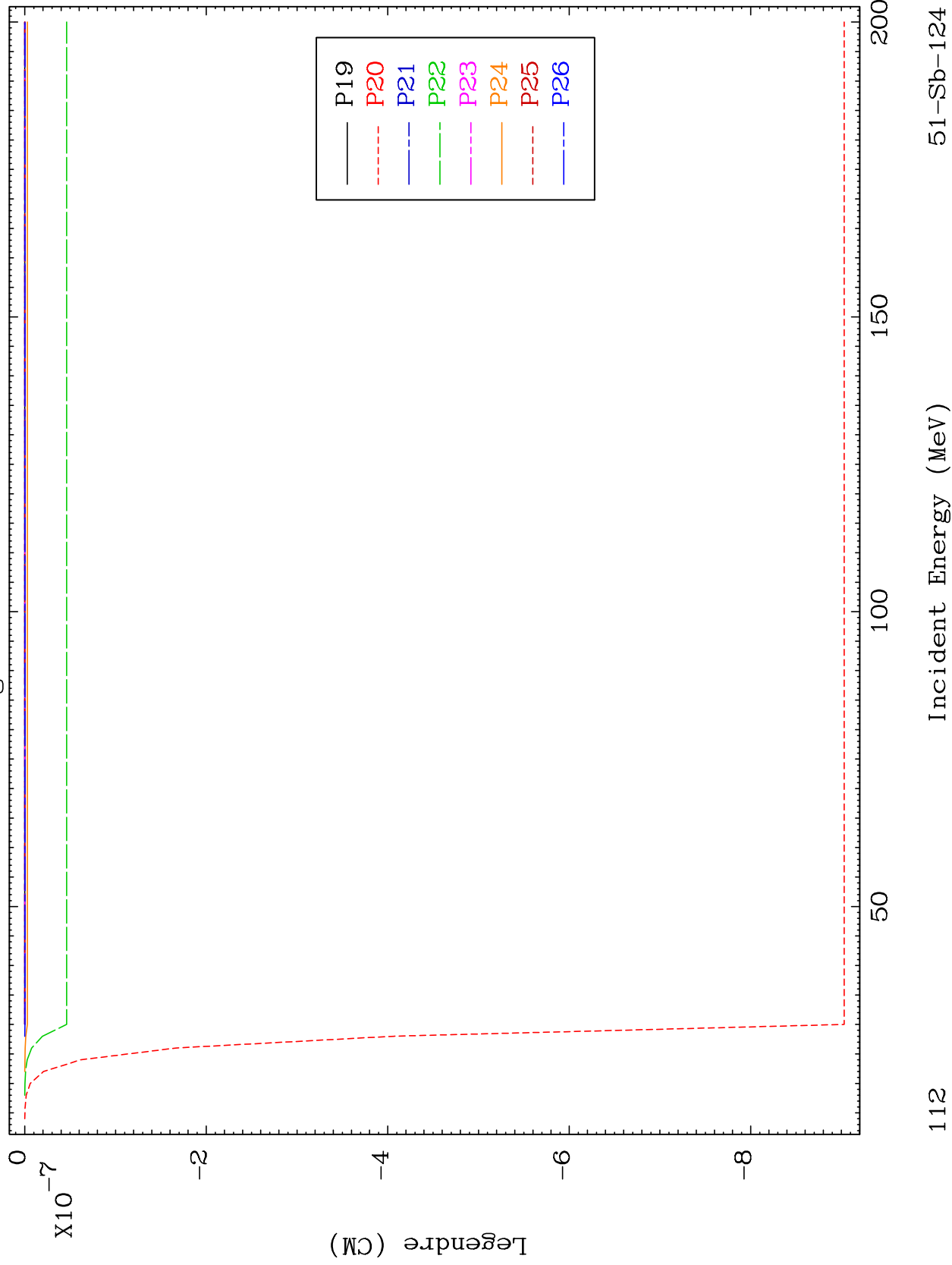
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



112

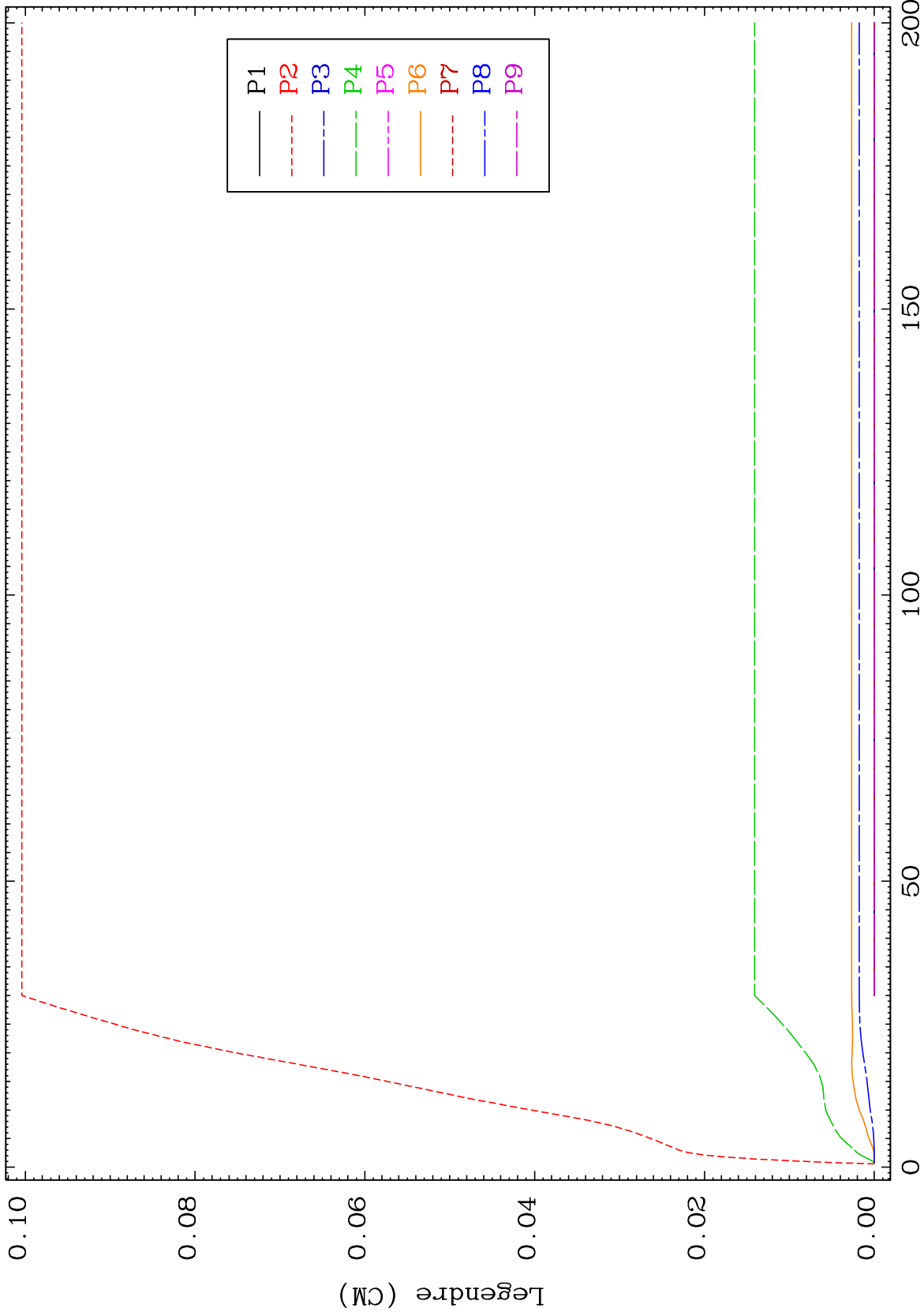
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



113

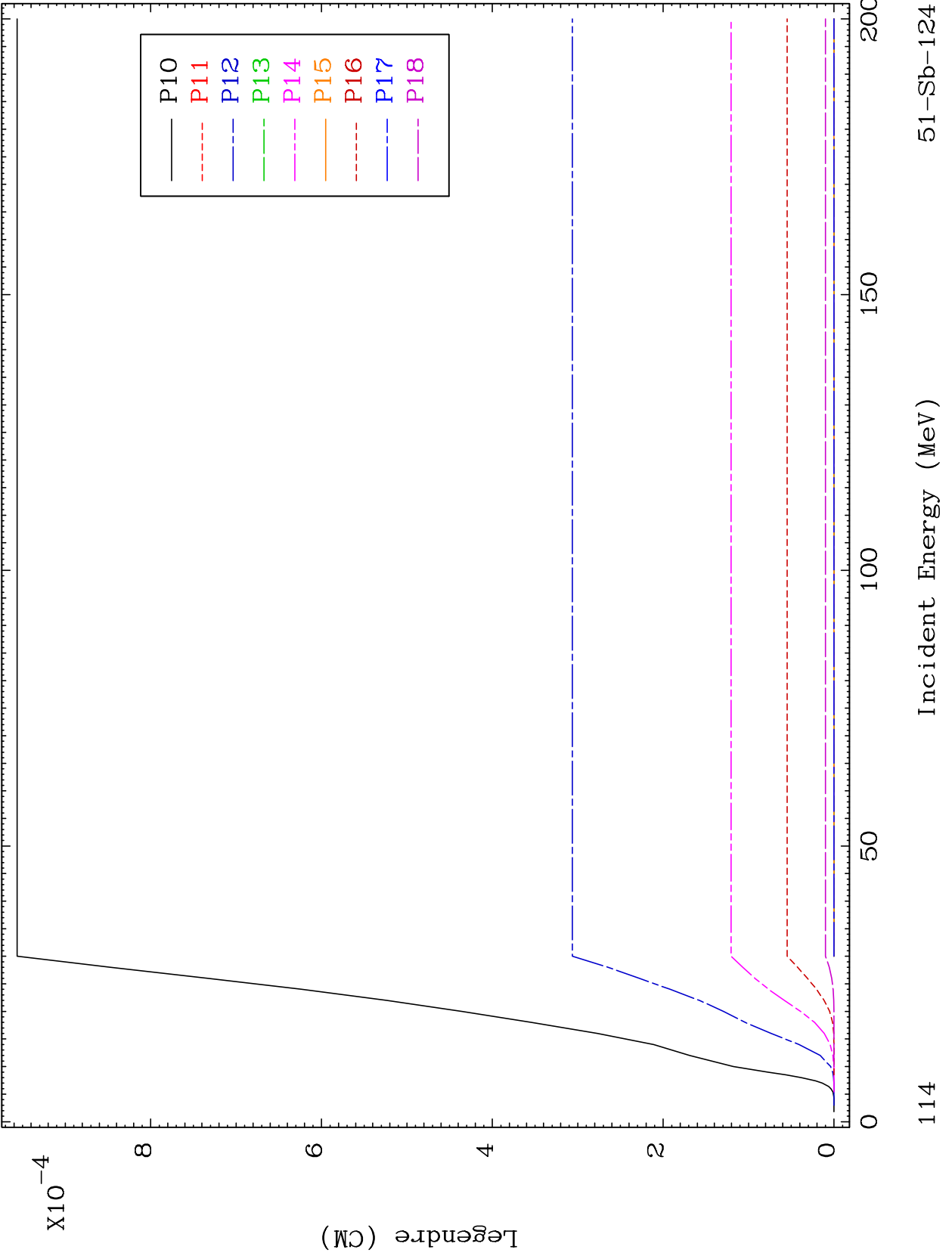
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



114

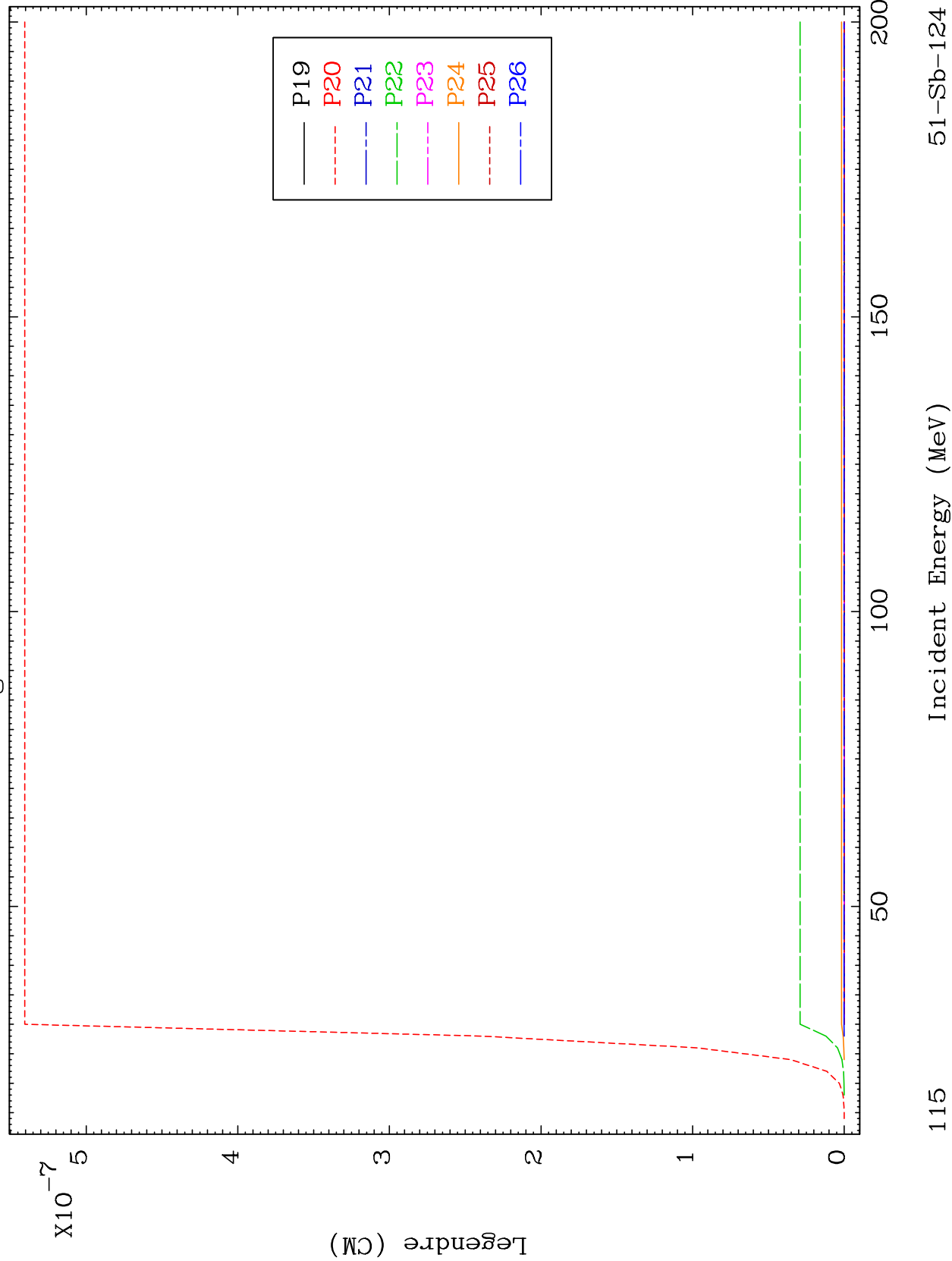
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

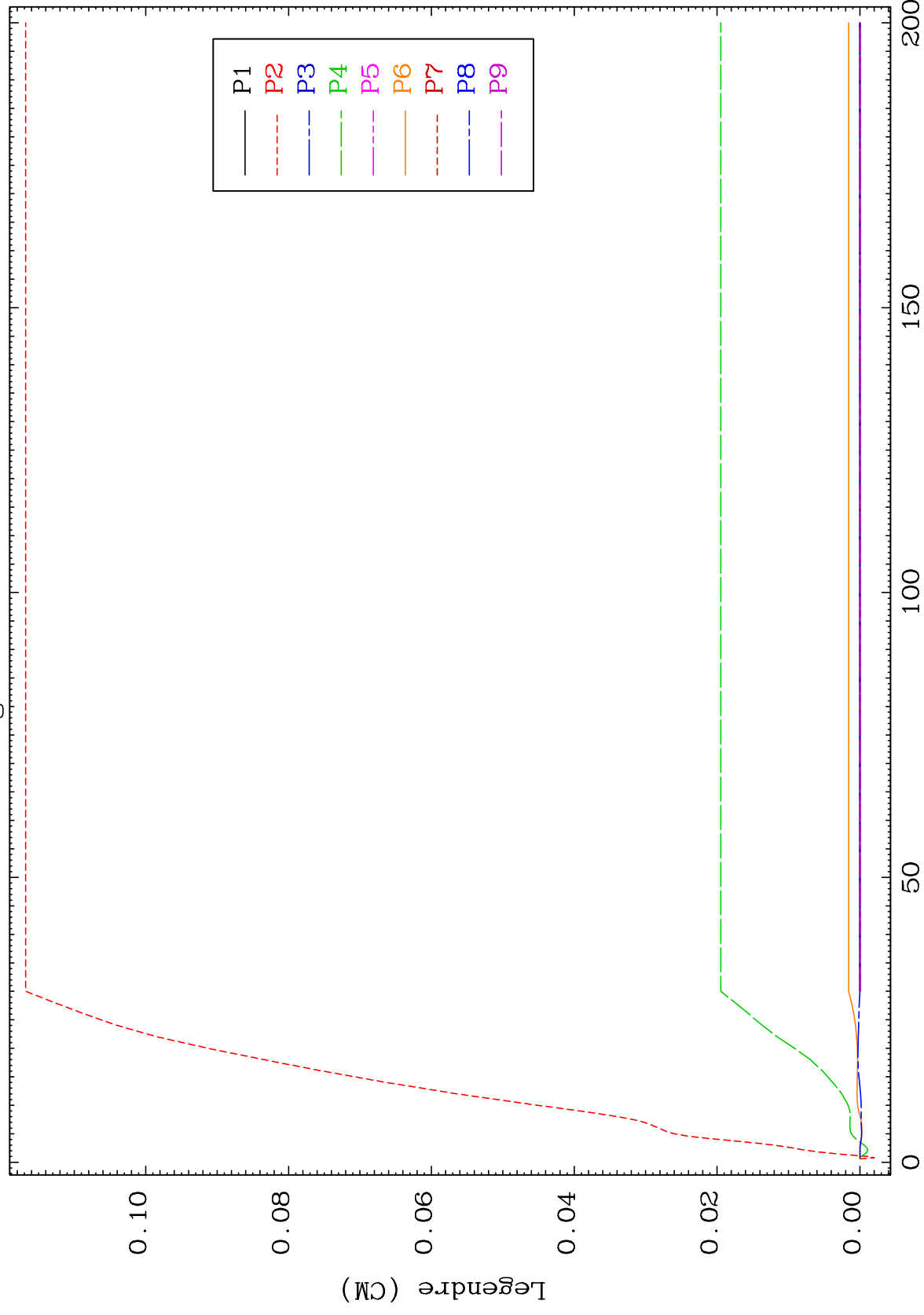
51-Sb-124



MAT 5134

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

51-Sb-124



116

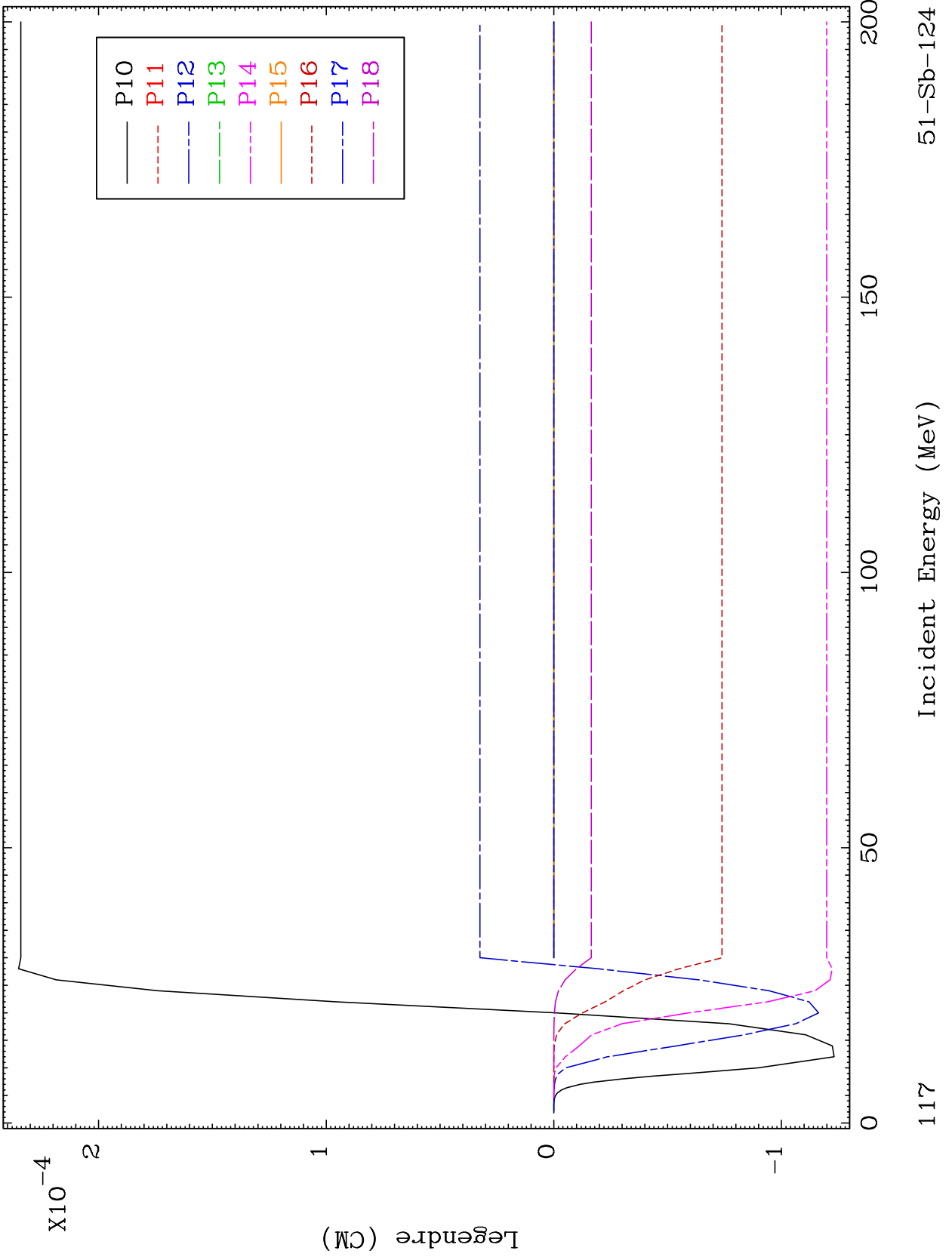
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

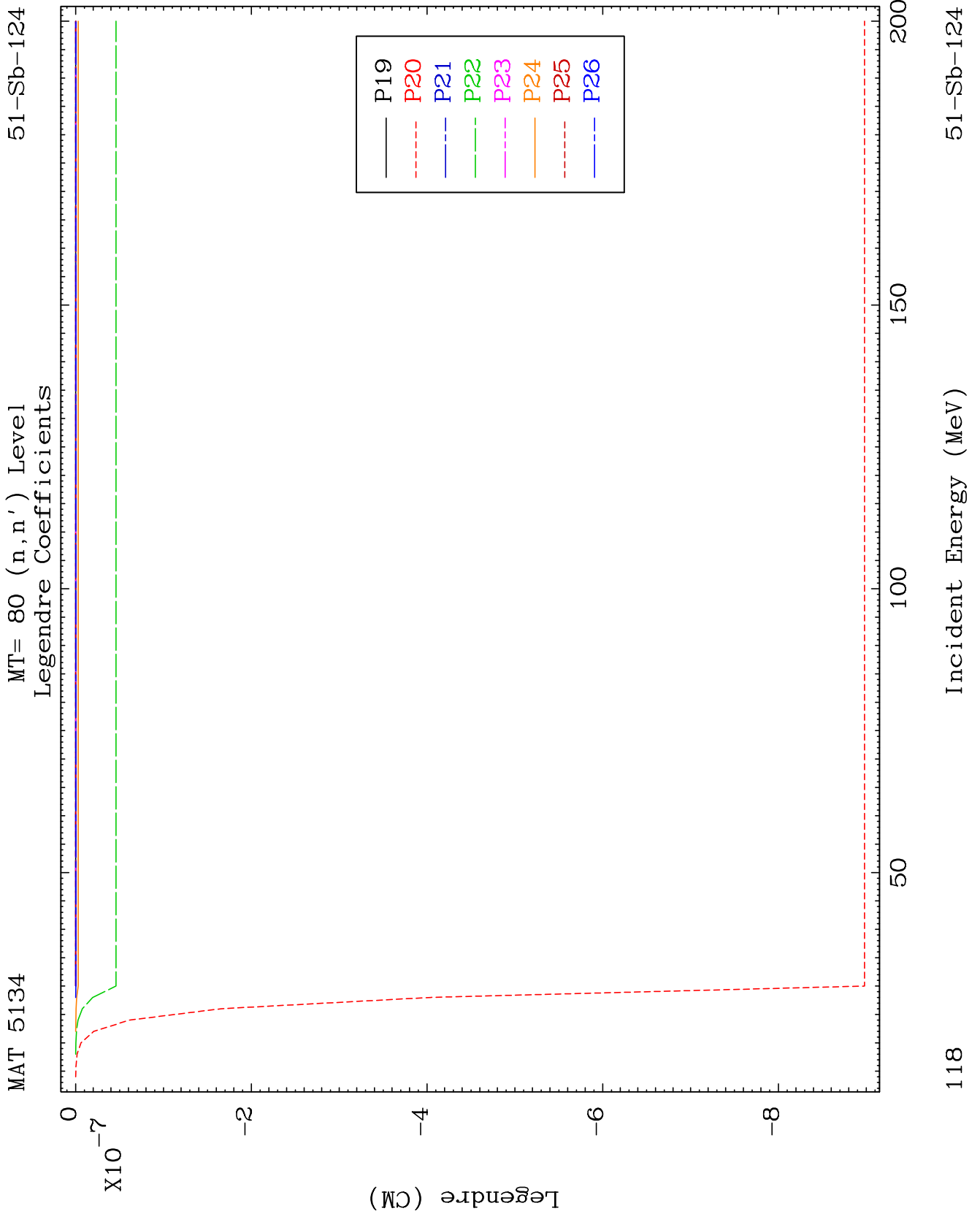
51-Sb-124



117

Incident Energy (MeV)

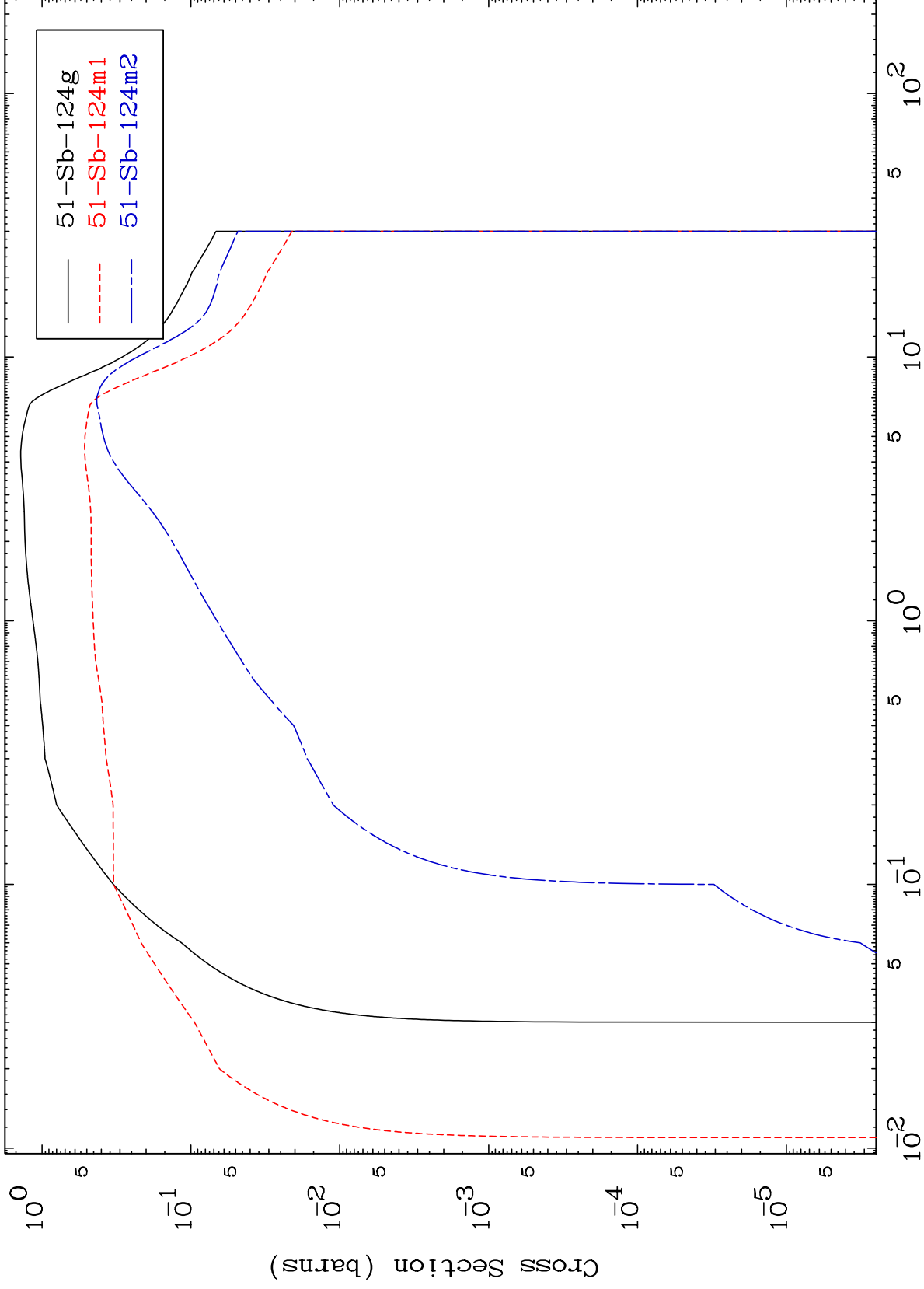
51-Sb-124



MAT 5134

51-Sb-124

Inelastic
Radionuclide Production Cross Section



51-Sb-124

Incident Energy (MeV)

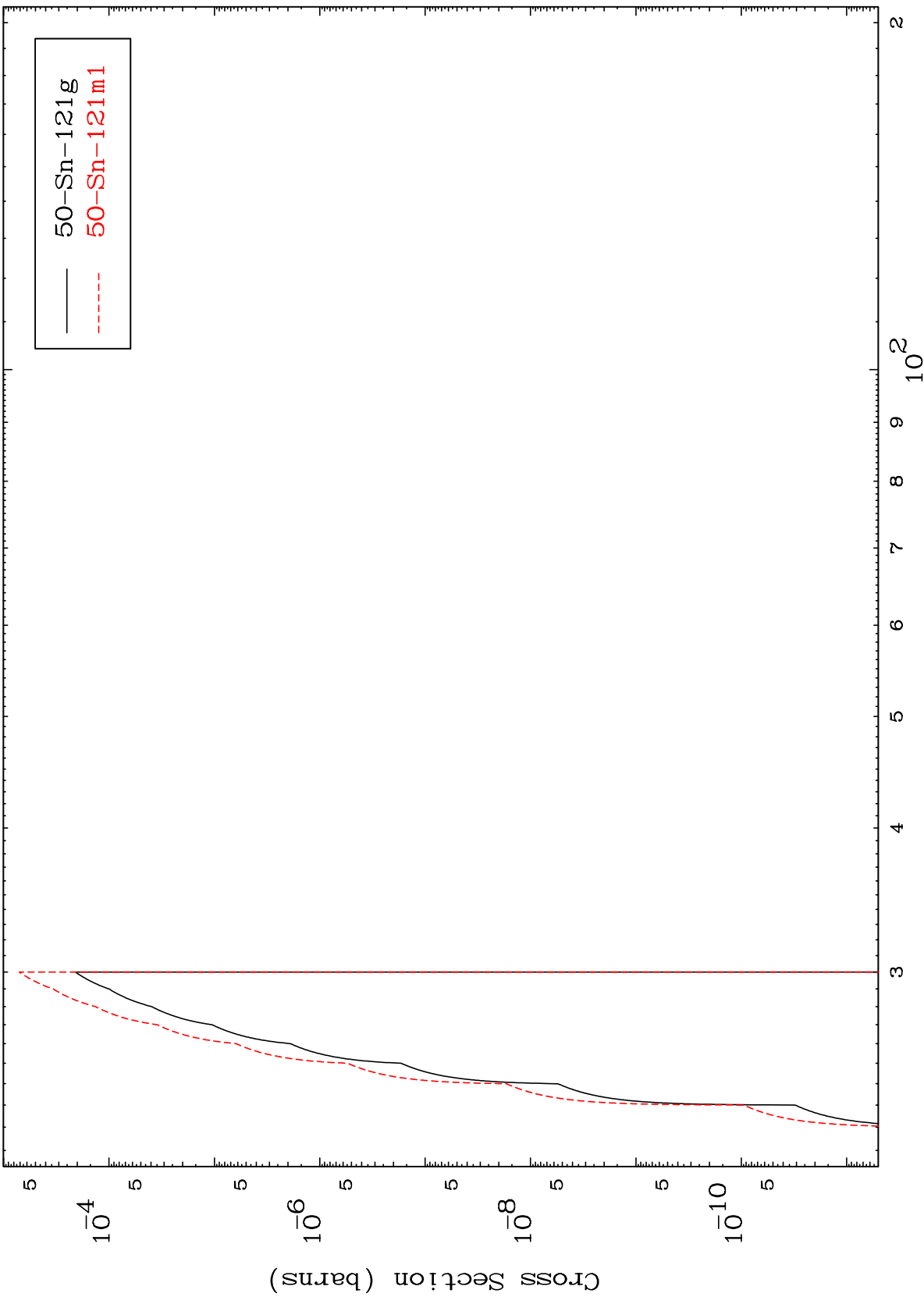
119

MAT 5134

(n,2n) d

51-Sb-124

Radionuclide Production Cross Section



120

Incident Energy (MeV)

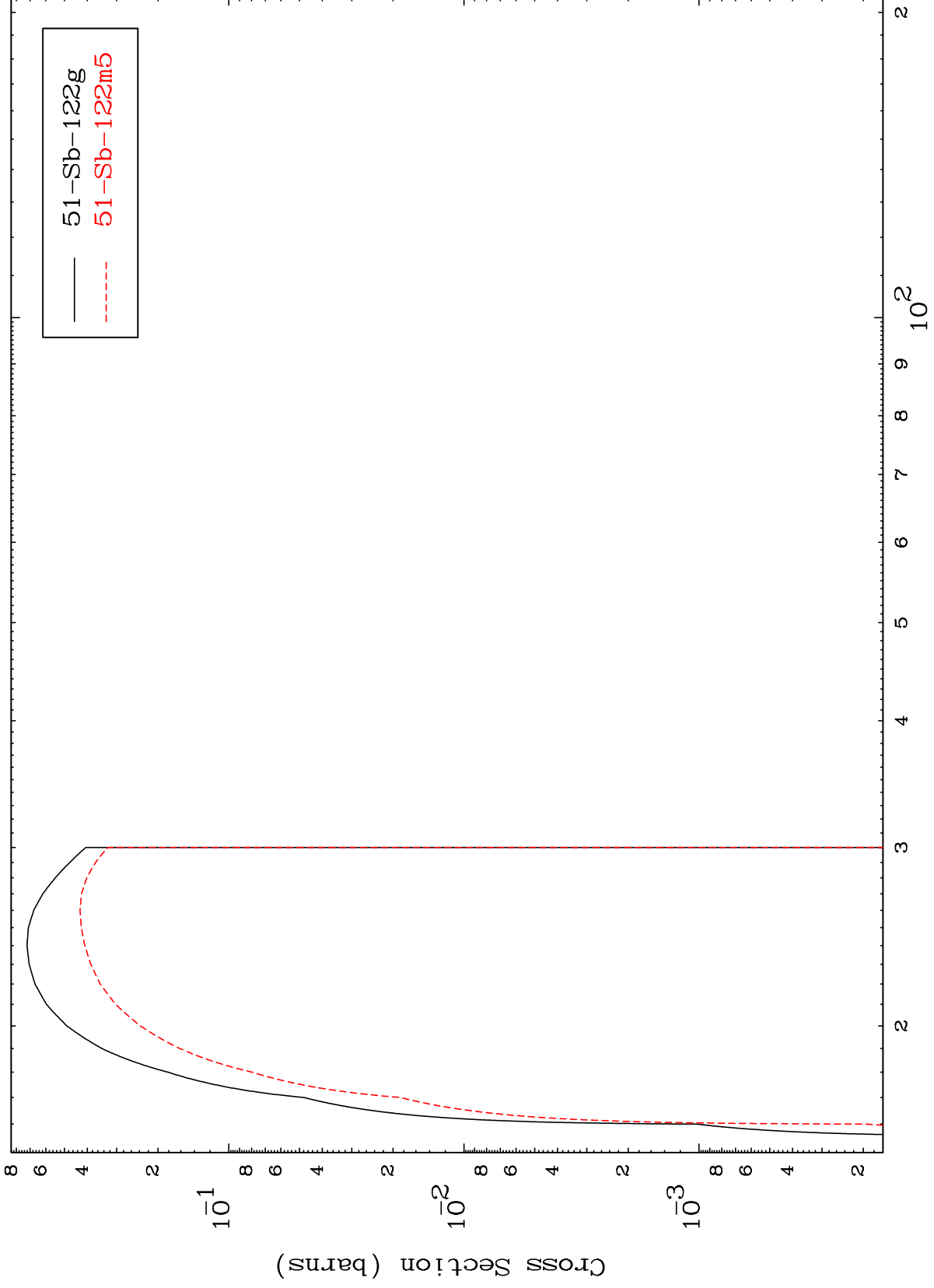
51-Sb-124

MAT 5134

(n,3n)

51-Sb-124

Radionuclide Production Cross Section



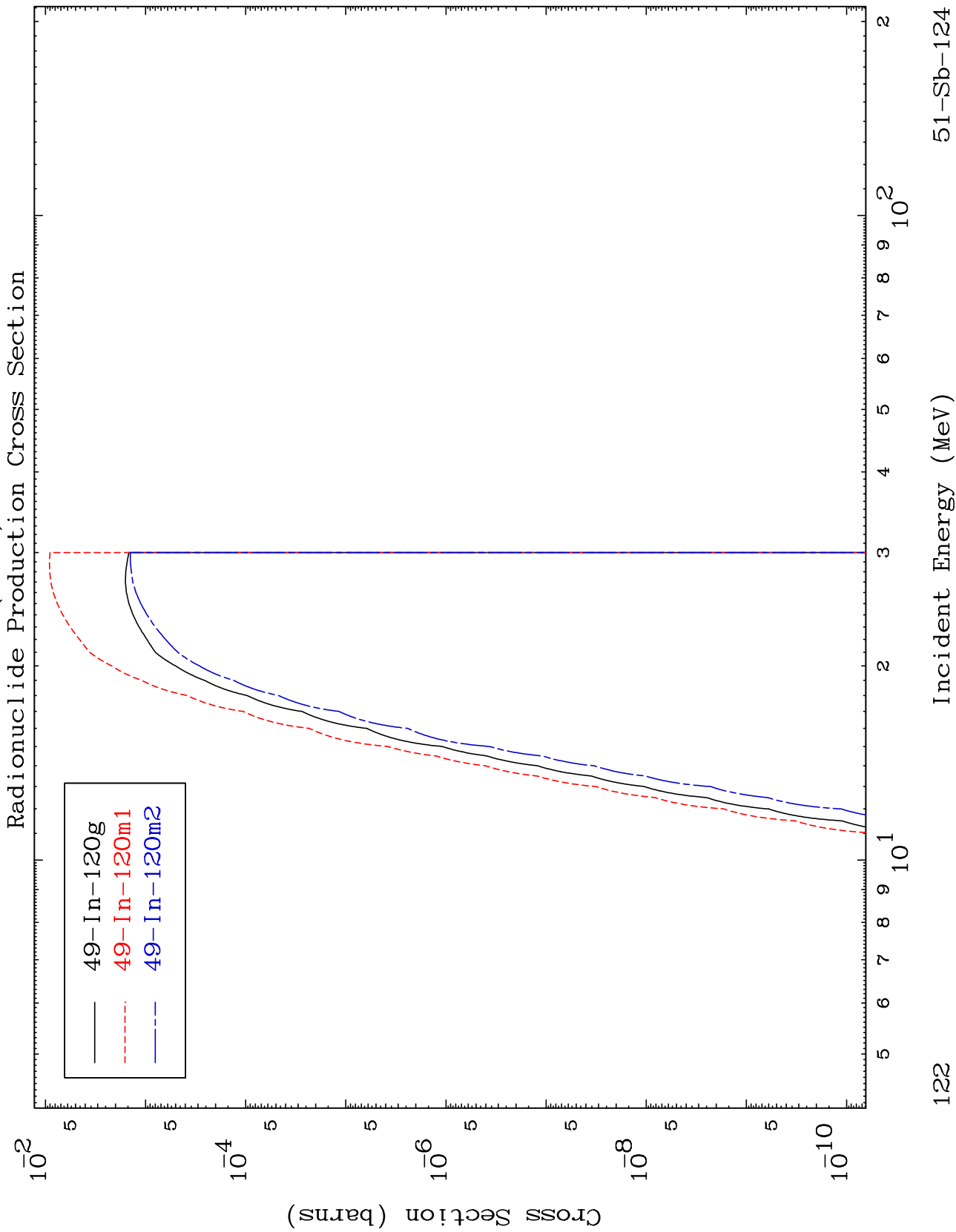
121

Incident Energy (MeV)

51-Sb-124

MAT 5134

51-Sb-124



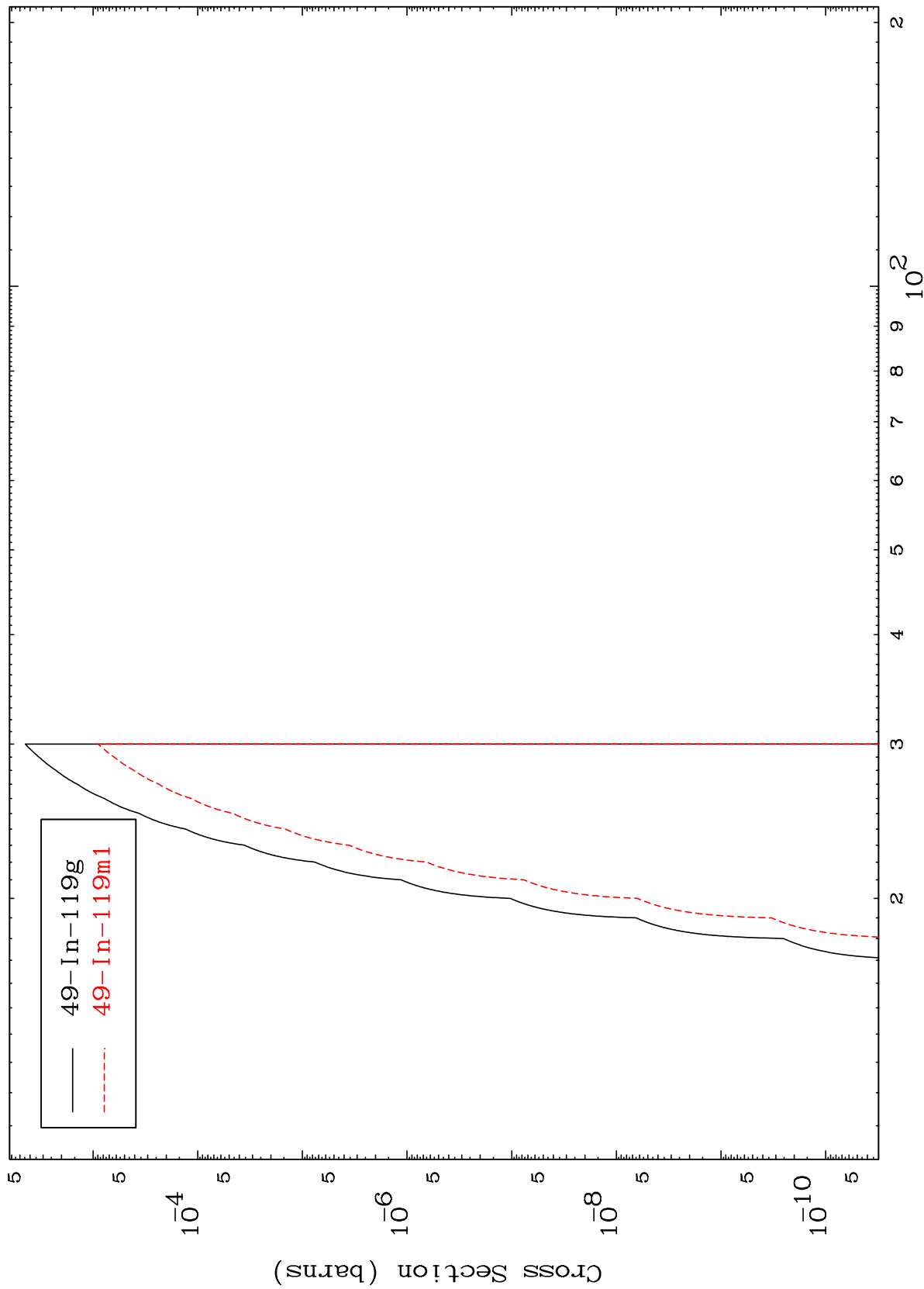
122

MAT 5134

(n,2n) α

51-Sb-124

Radionuclide Production Cross Section



123

Incident Energy (MeV)

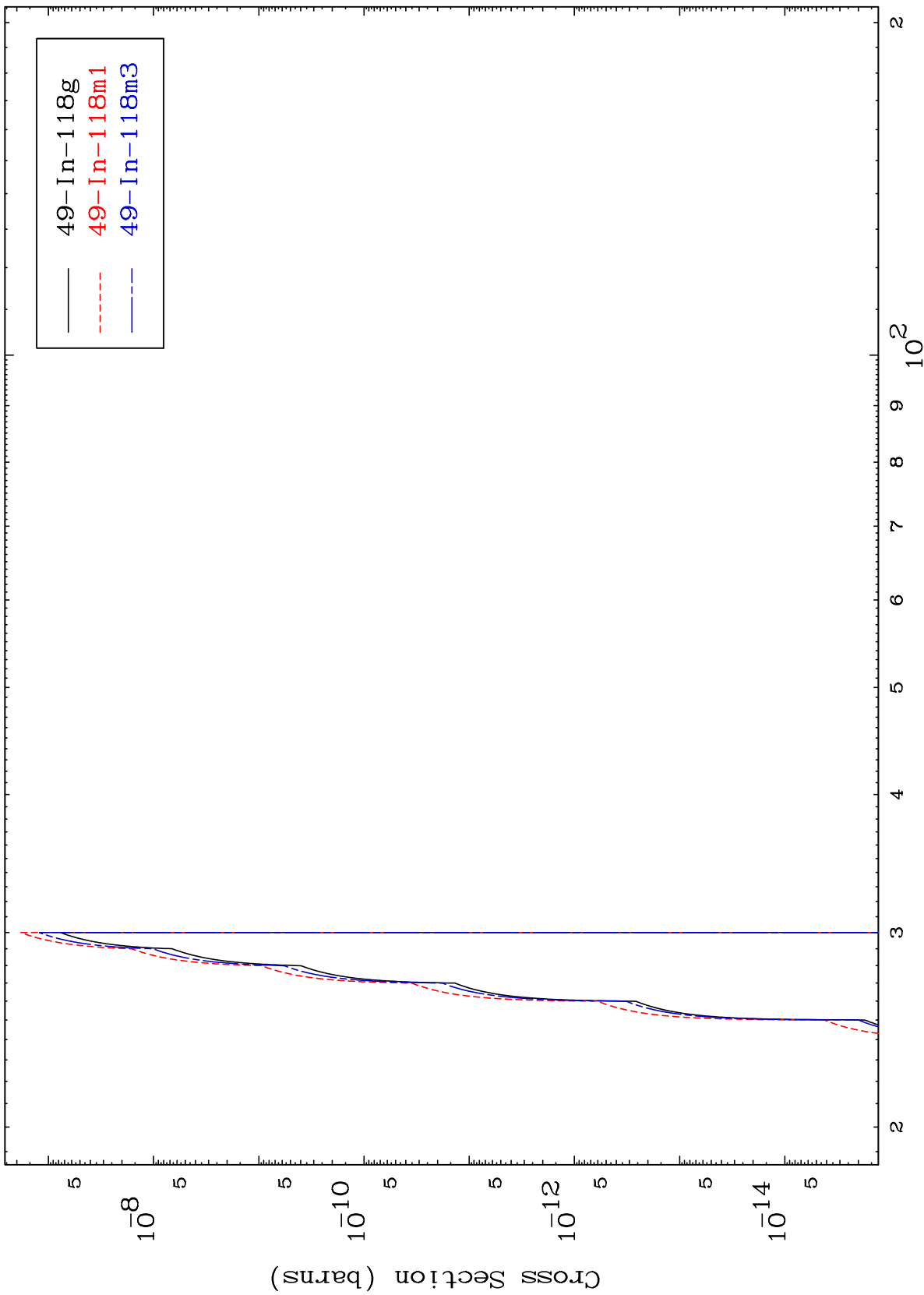
51-Sb-124

MAT 5134

(n,3n) α

51-Sb-124

Radionuclide Production Cross Section



124

Incident Energy (MeV)

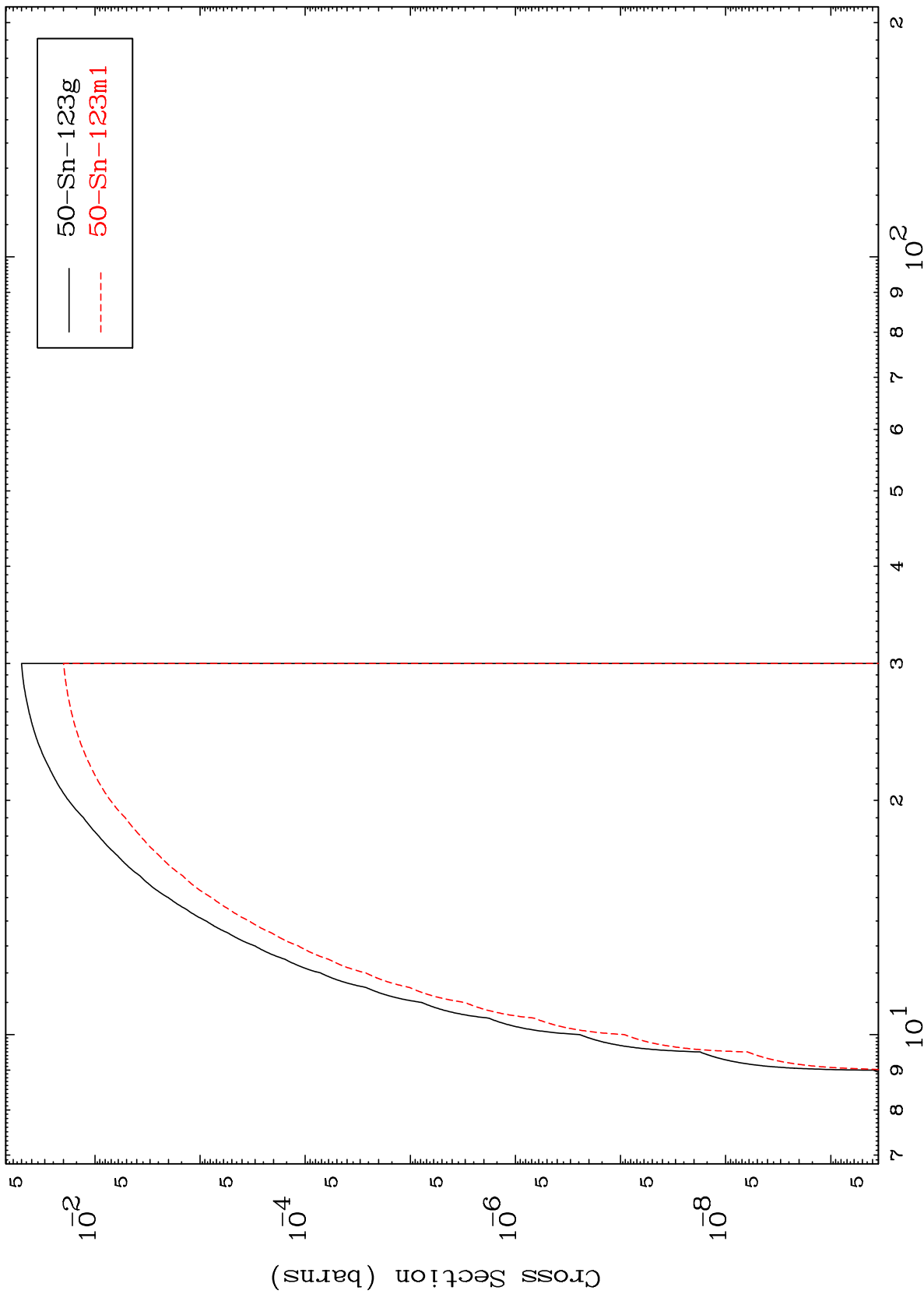
51-Sb-124

MAT 5134

(n,n') p

51-Sb-124

Radionuclide Production Cross Section

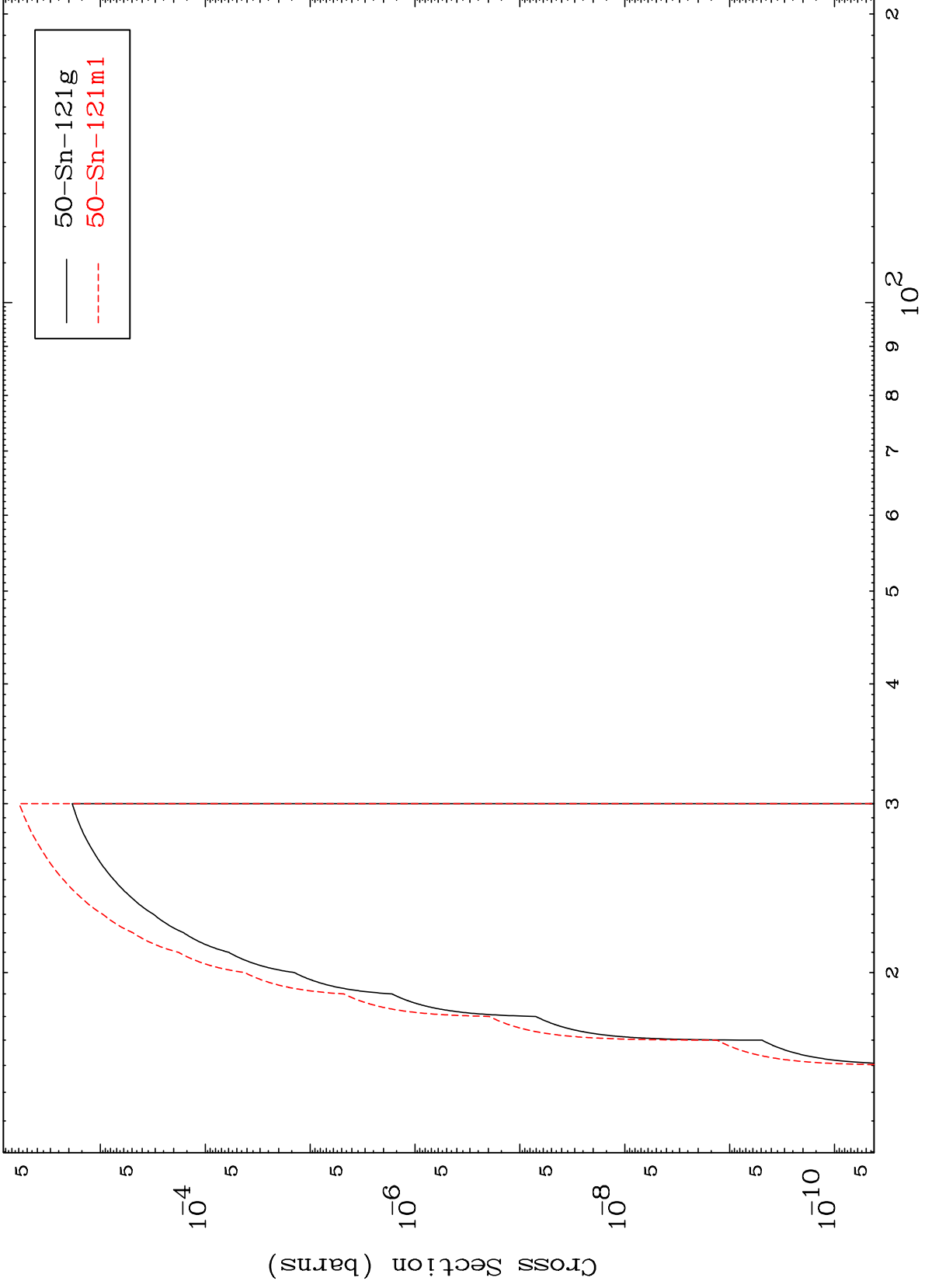


125

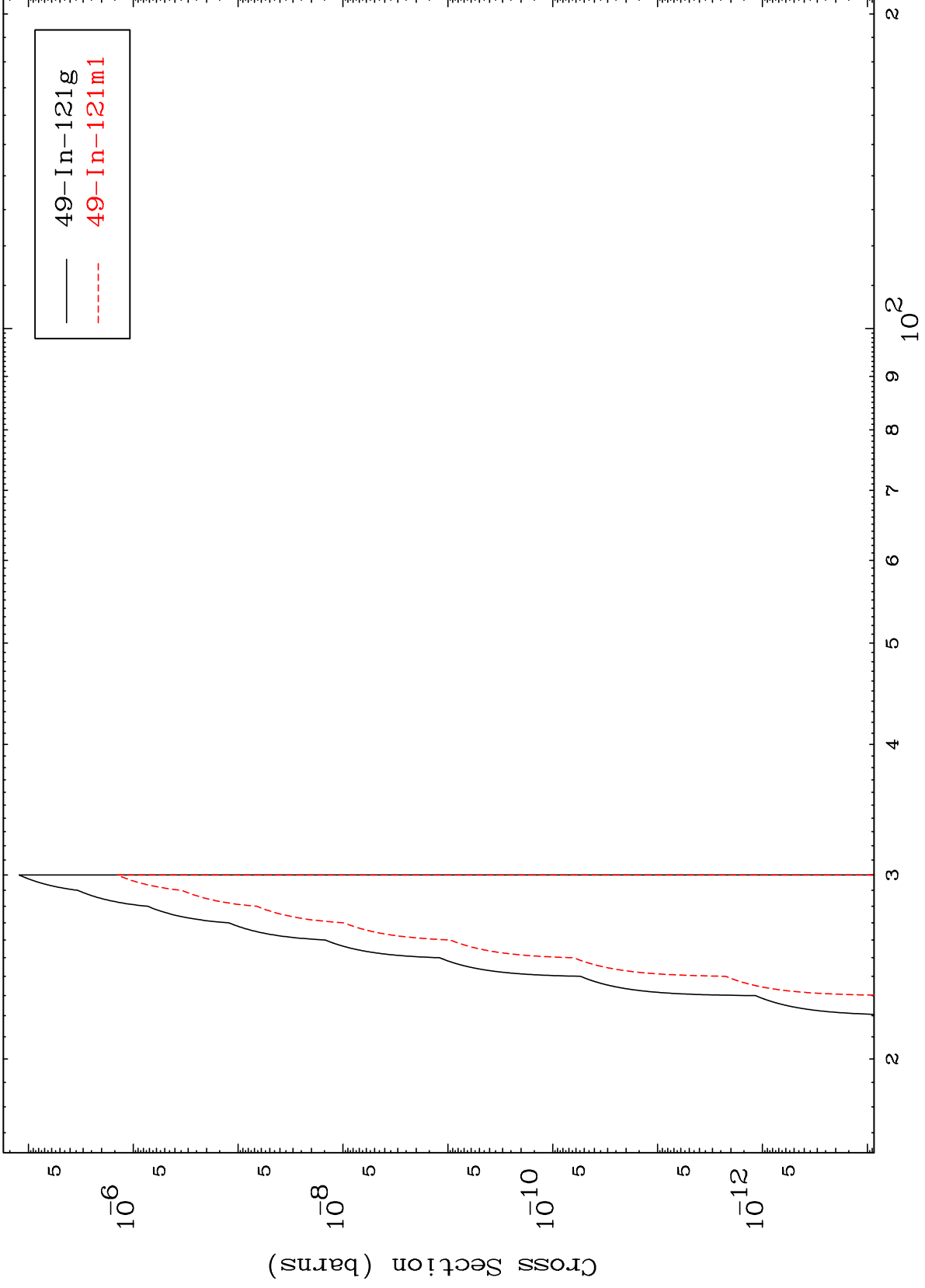
Incident Energy (MeV)

51-Sb-124

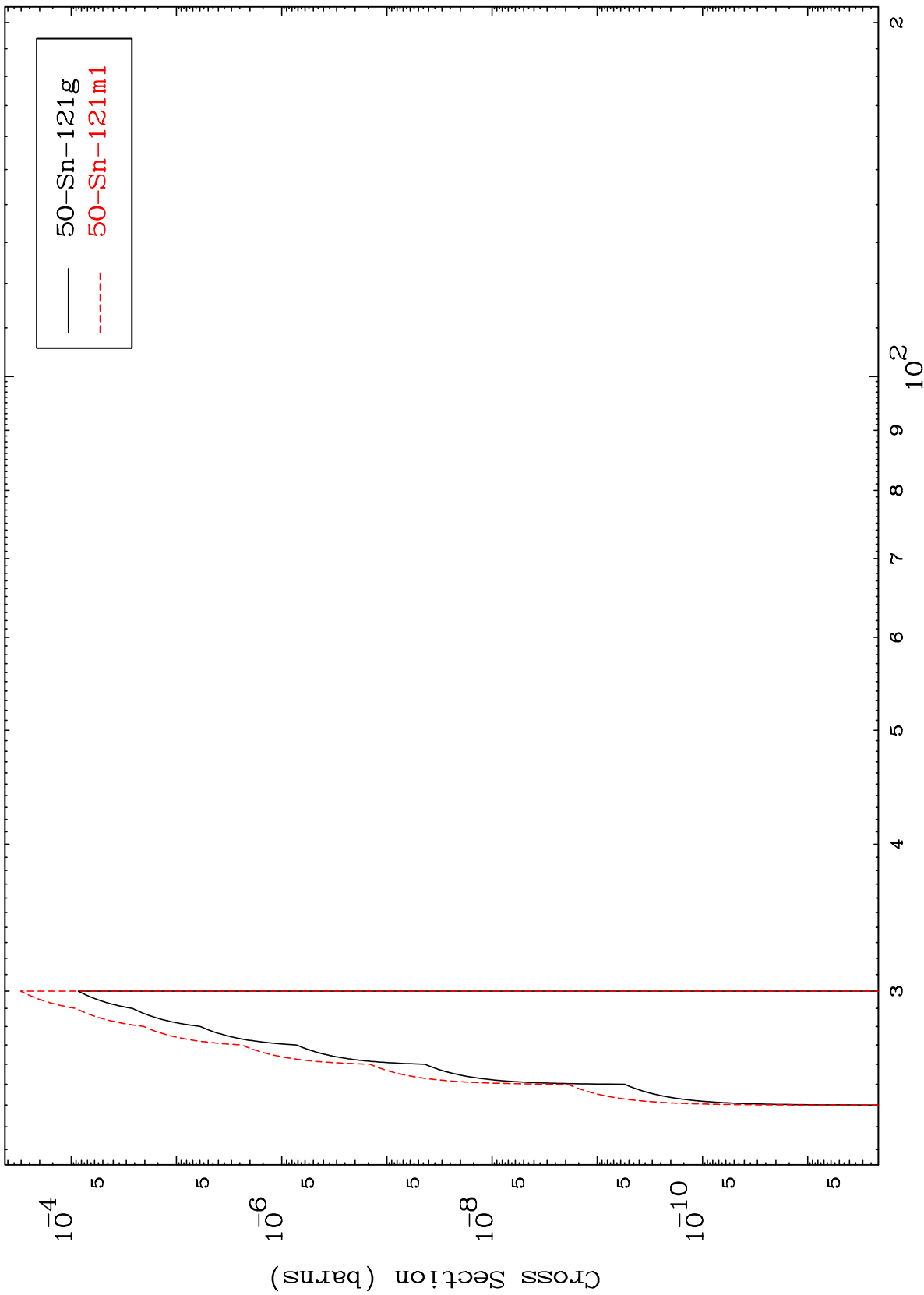
Radionuclide Production Cross Section



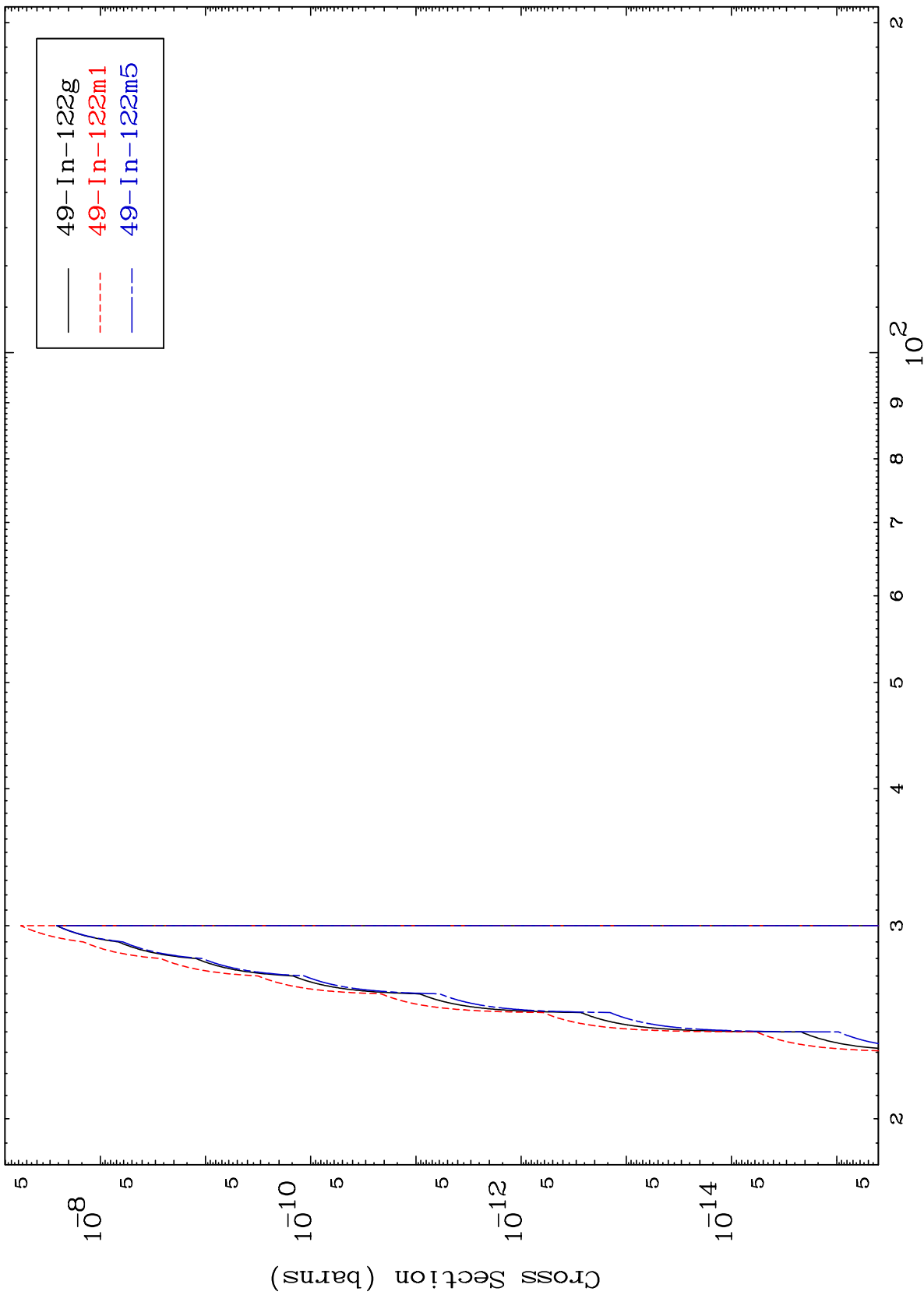
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

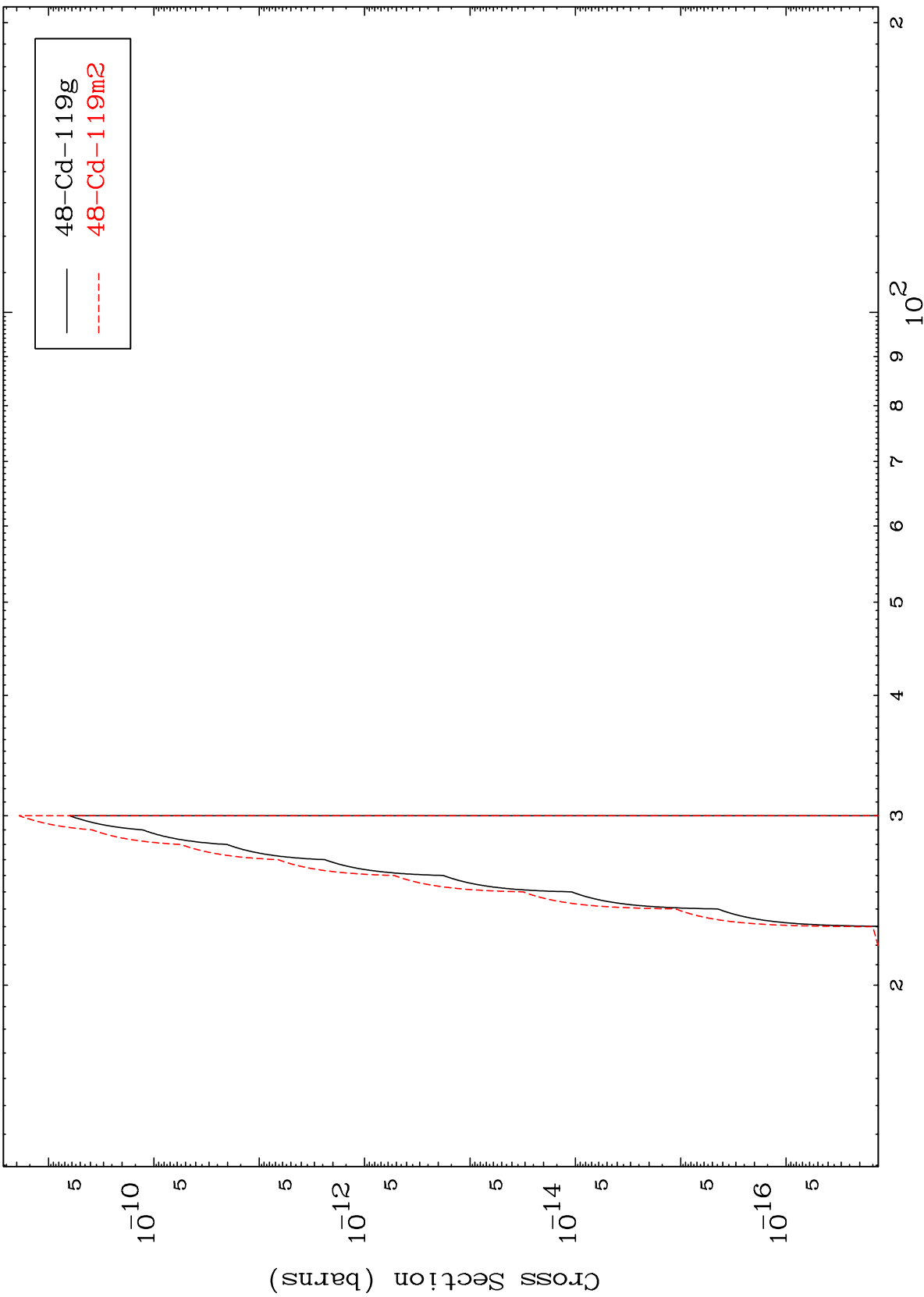


MAT 5134

(n,n') p α

51-Sb-124

Radionuclide Production Cross Section



130

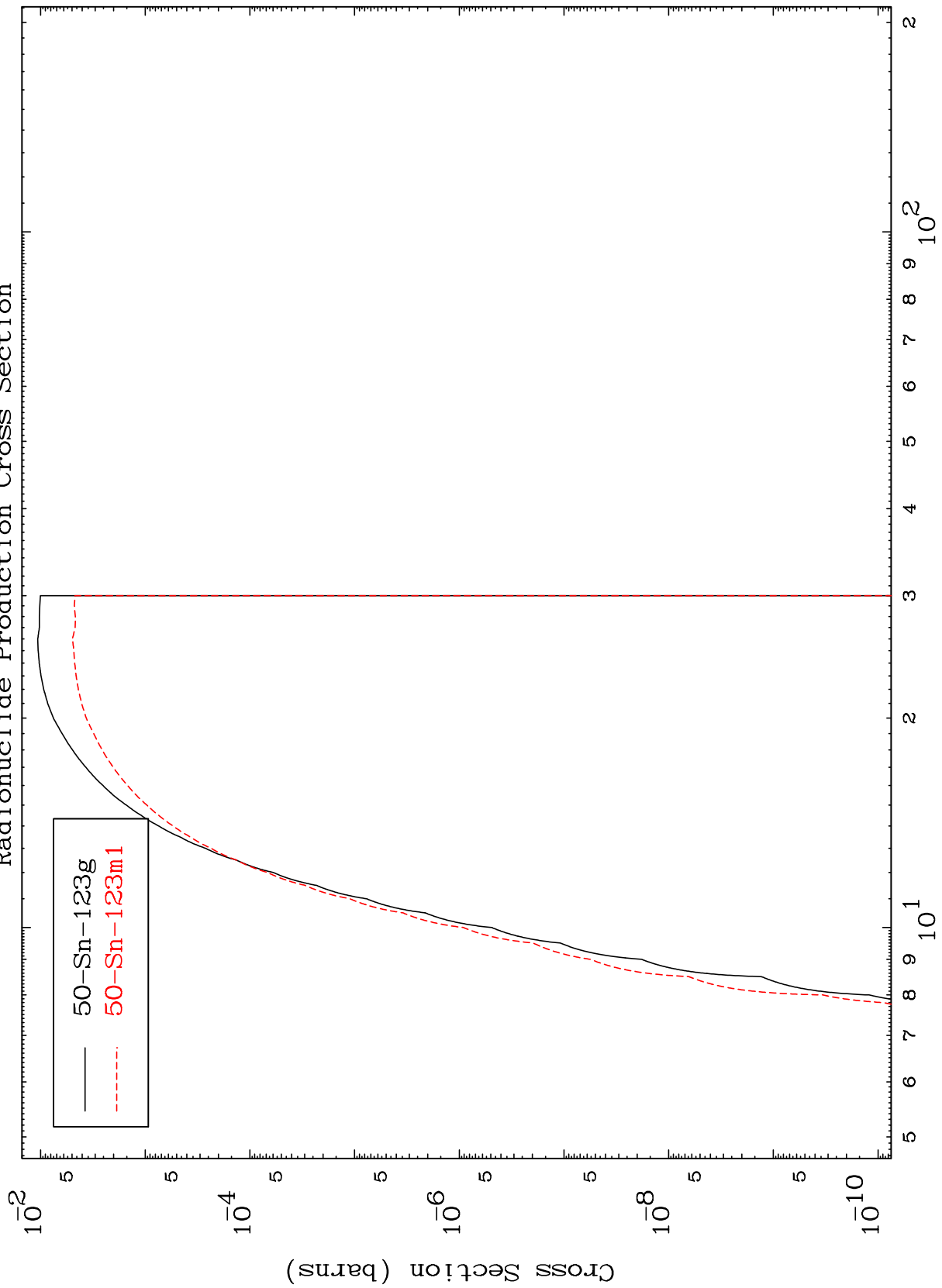
Incident Energy (MeV)

51-Sb-124

MAT 5134

51-Sb-124

(n,d)
Radionuclide Production Cross Section

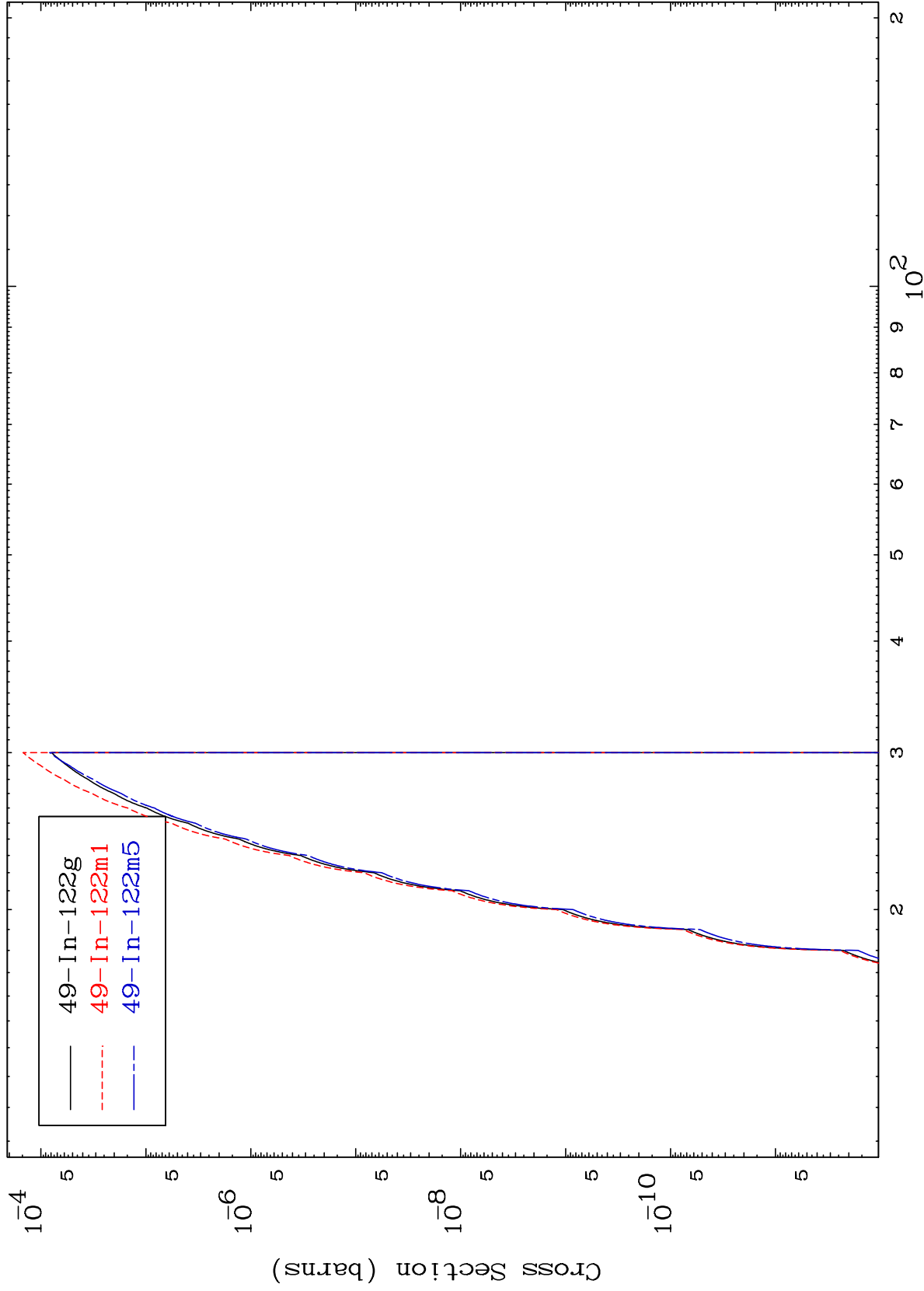


131

Incident Energy (MeV)

51-Sb-124

Radionuclide Production Cross Section

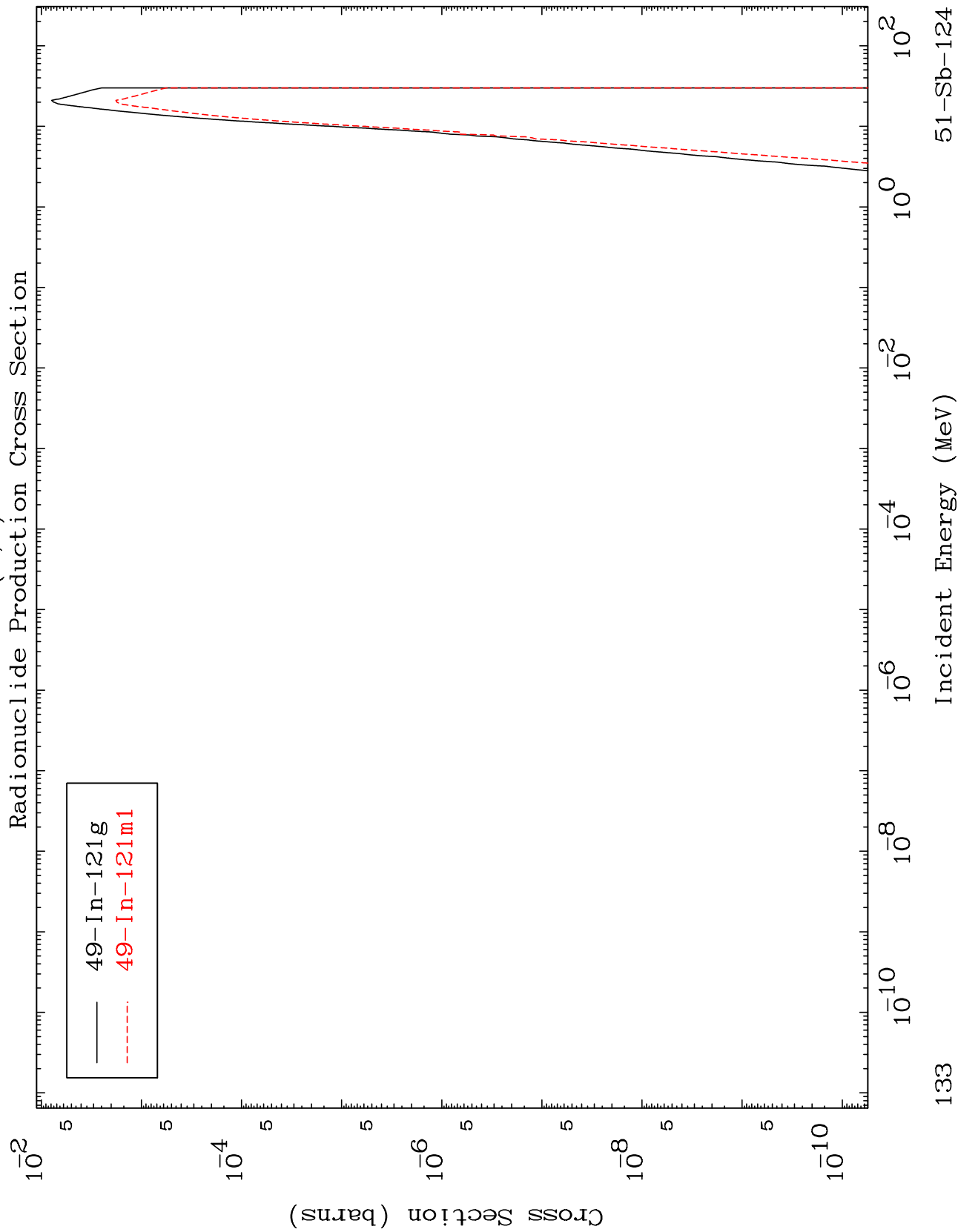


MAT 5134

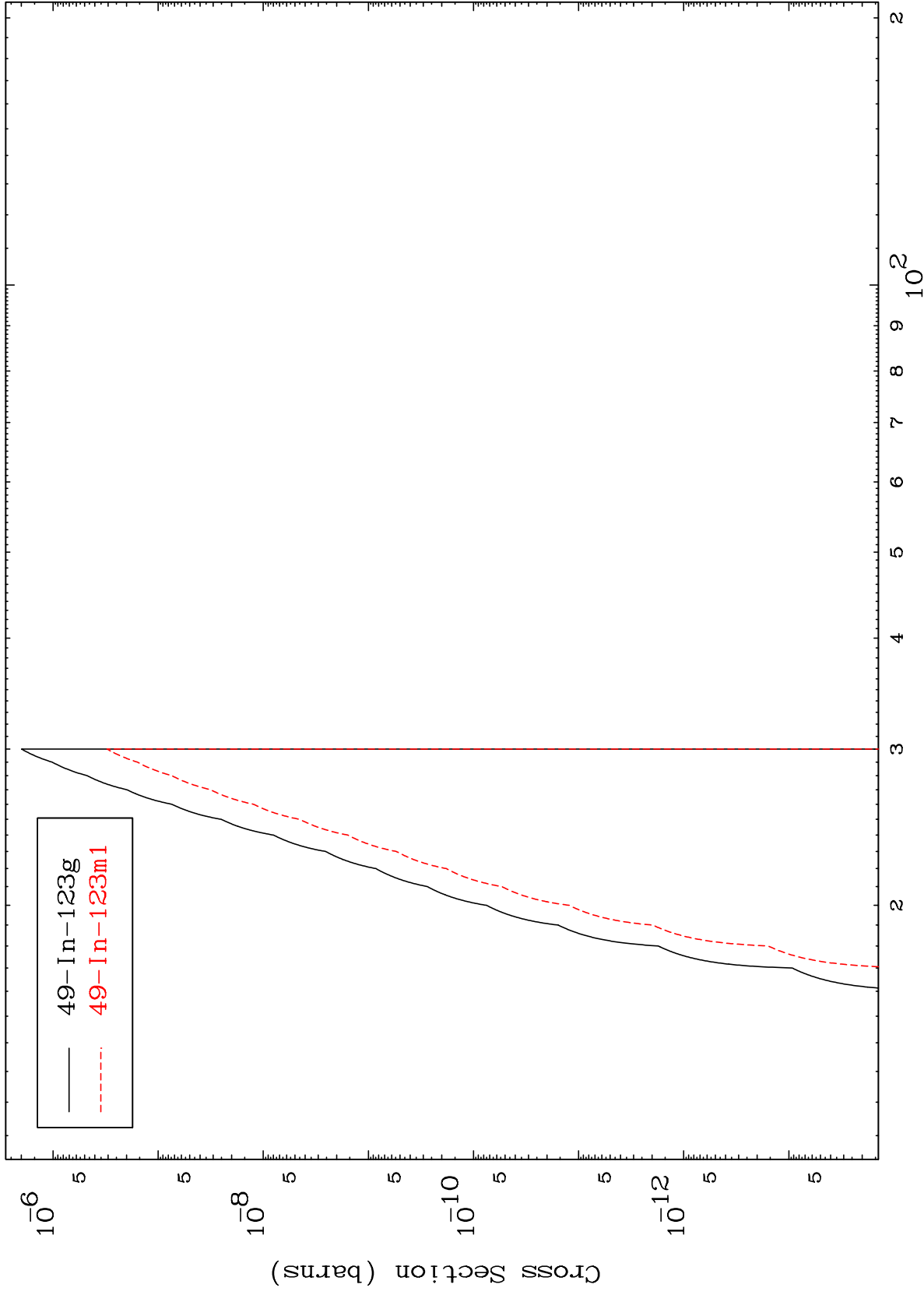
51-Sb-124

Radionuclide Production Cross Section

(n, α)



(n,2p)
Radionuclide Production Cross Section

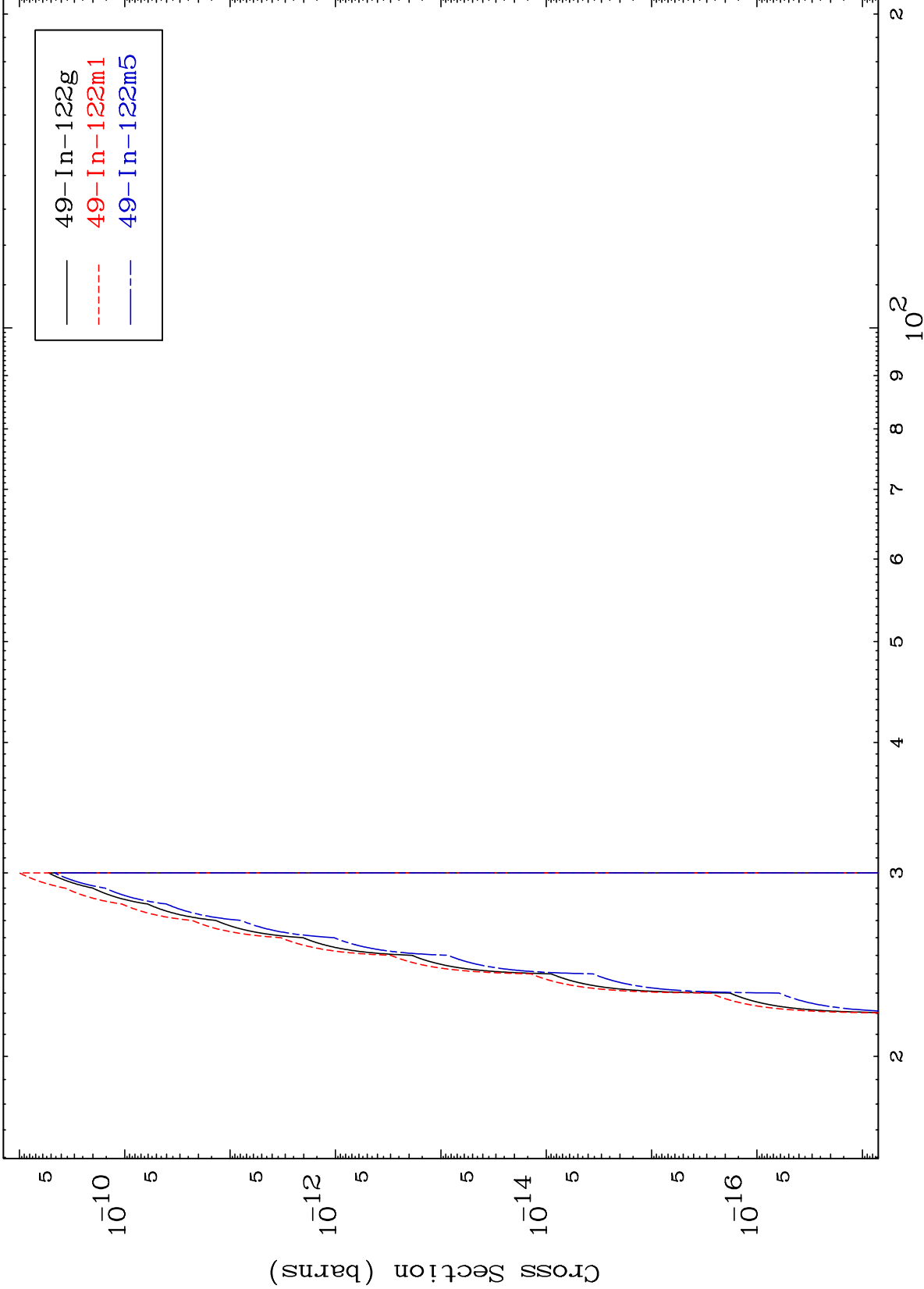


MAT 5134

(n,p) d

51-Sb-124

Radionuclide Production Cross Section



135

Incident Energy (MeV)

51-Sb-124

Radionuclide Production Cross Section

