

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

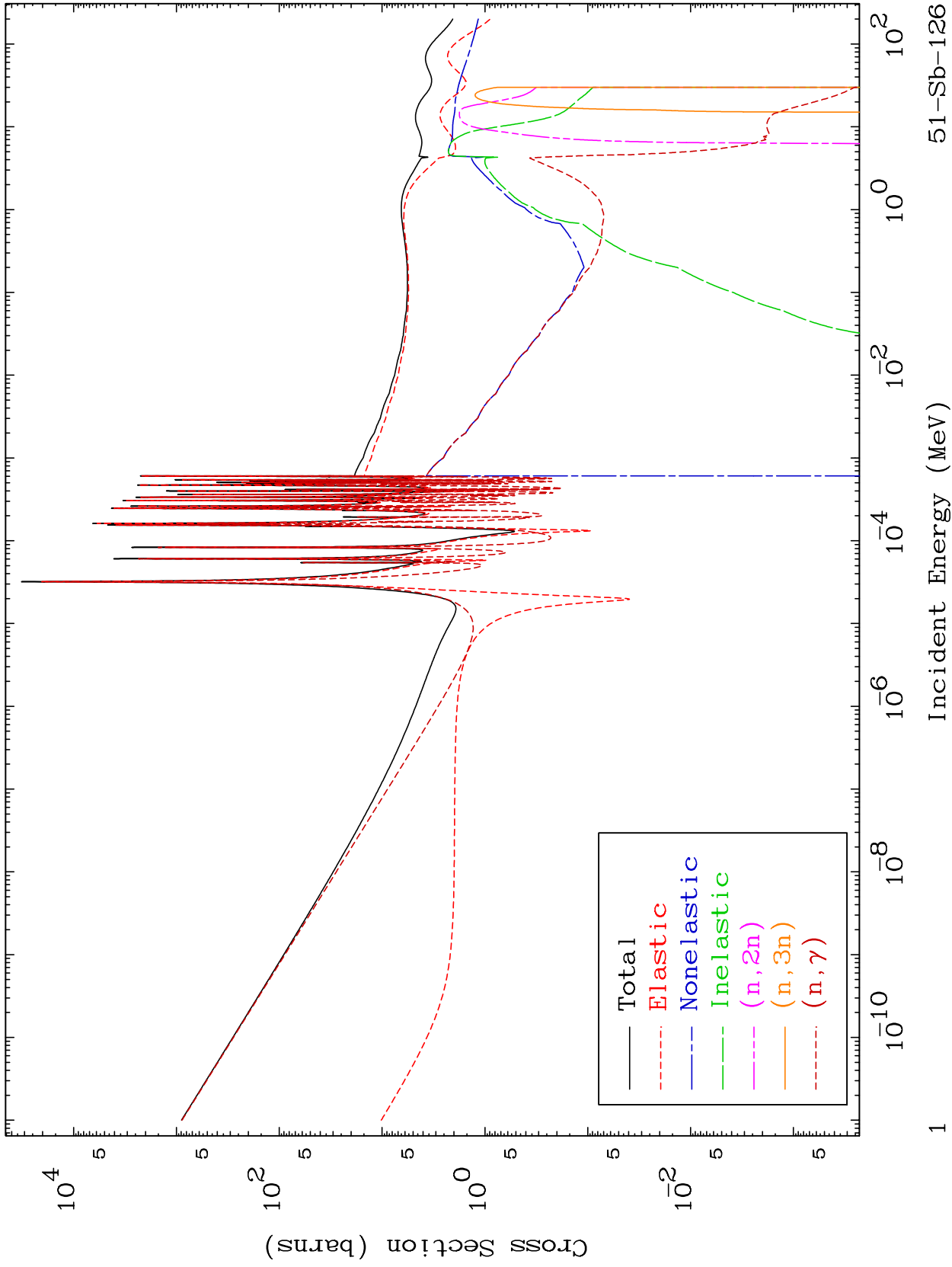
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

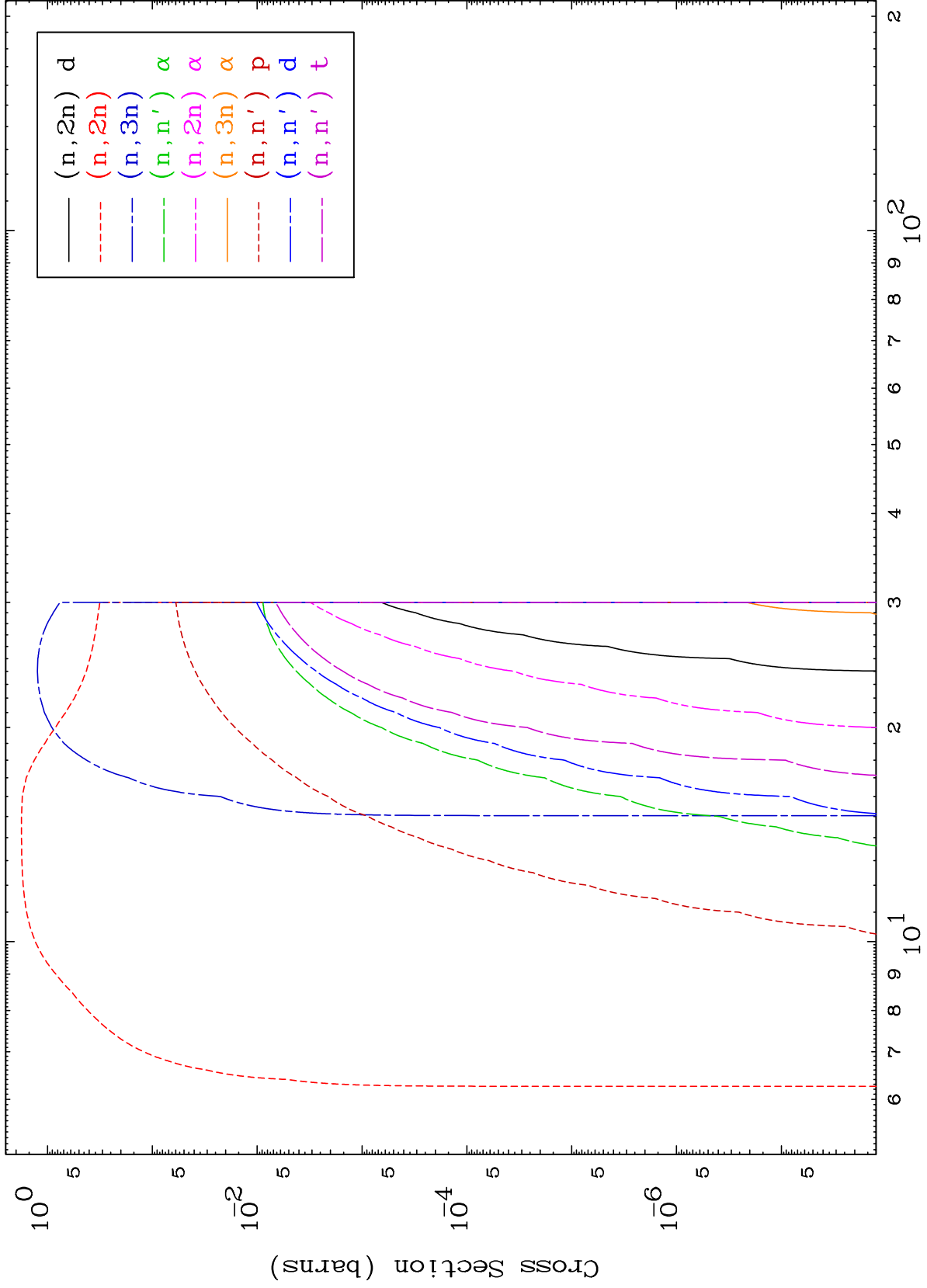
MAT 5140

Neutron Major  
293 Kelvin Cross Sections

51-Sb-126



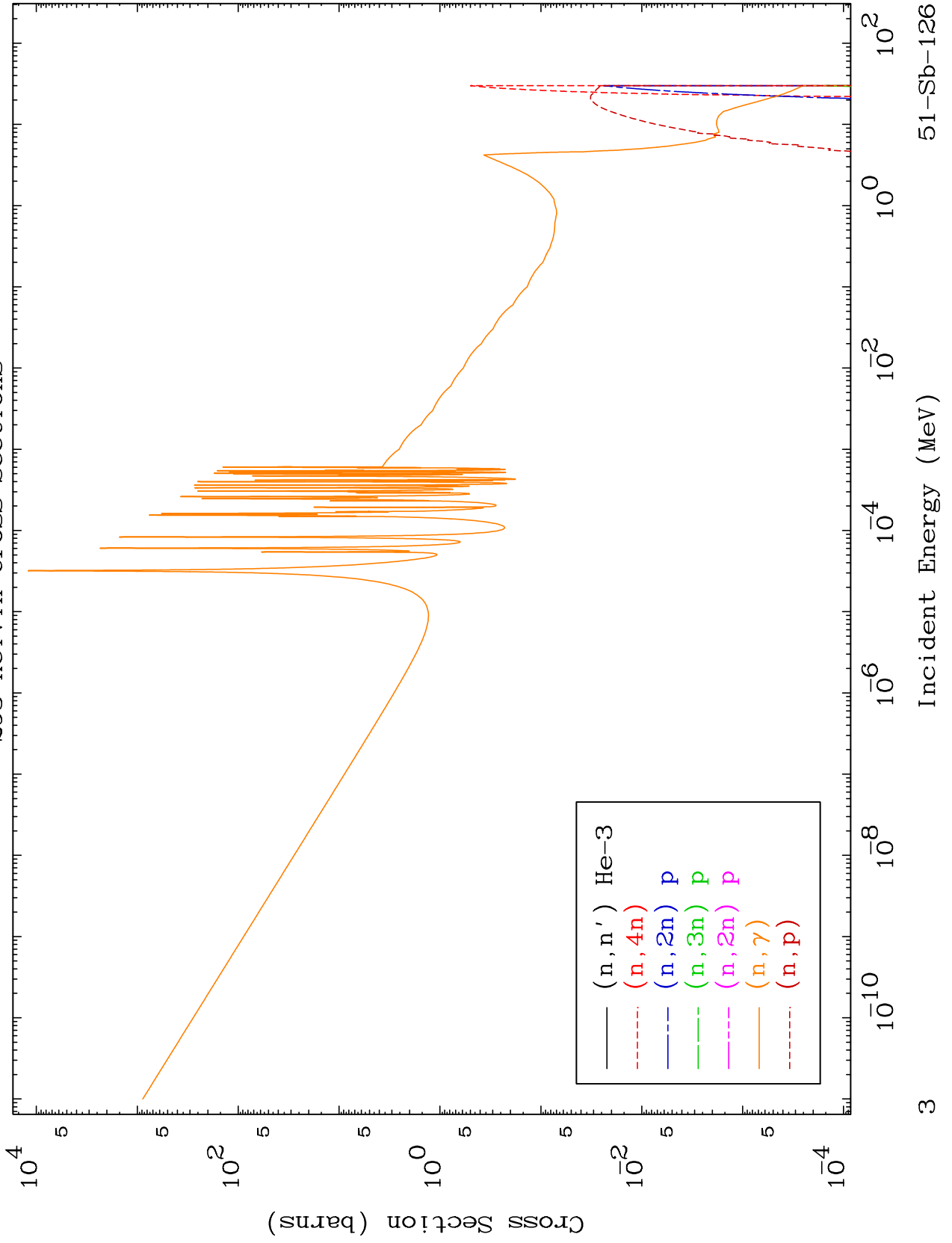
51-Sb-126

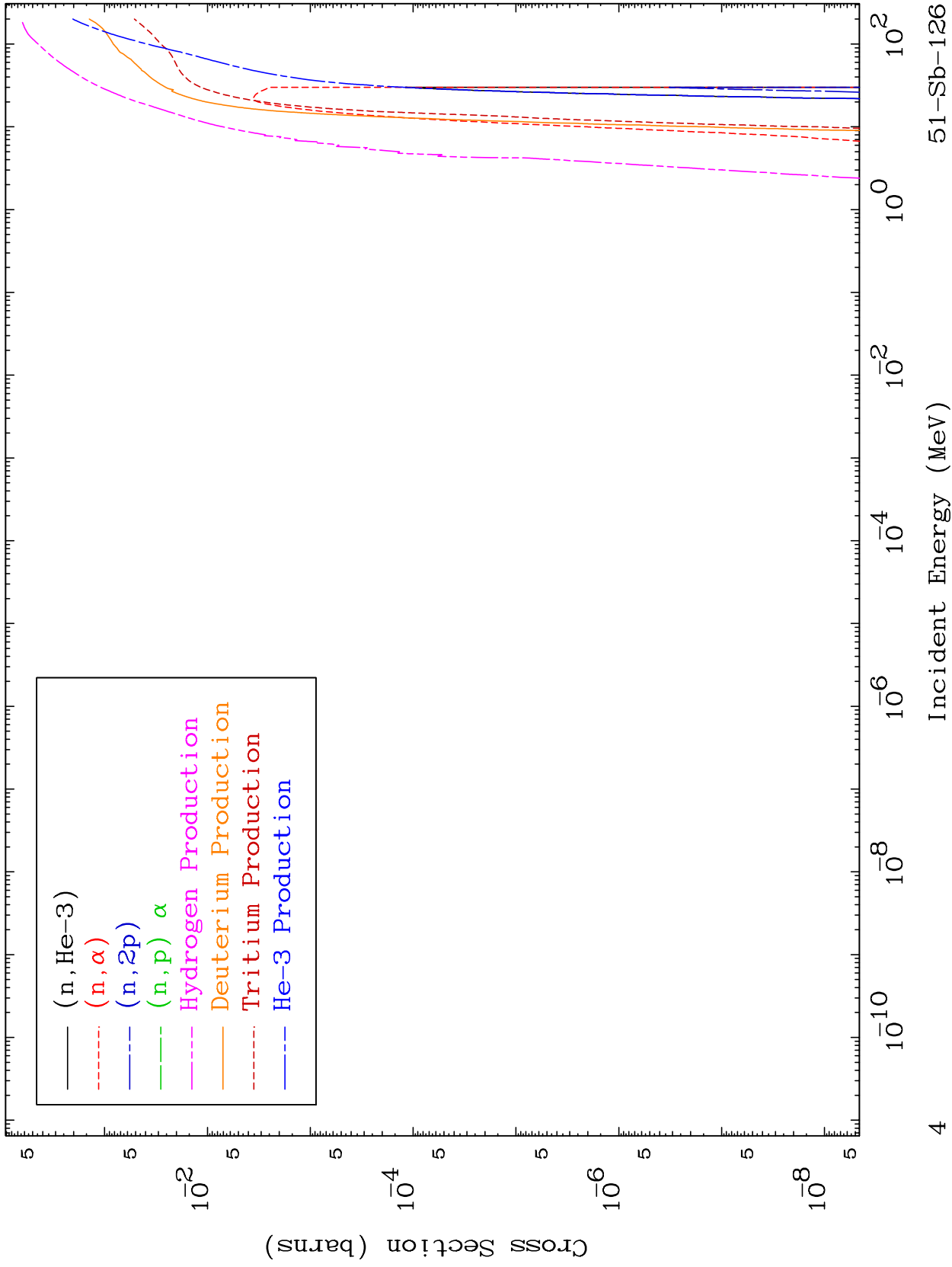


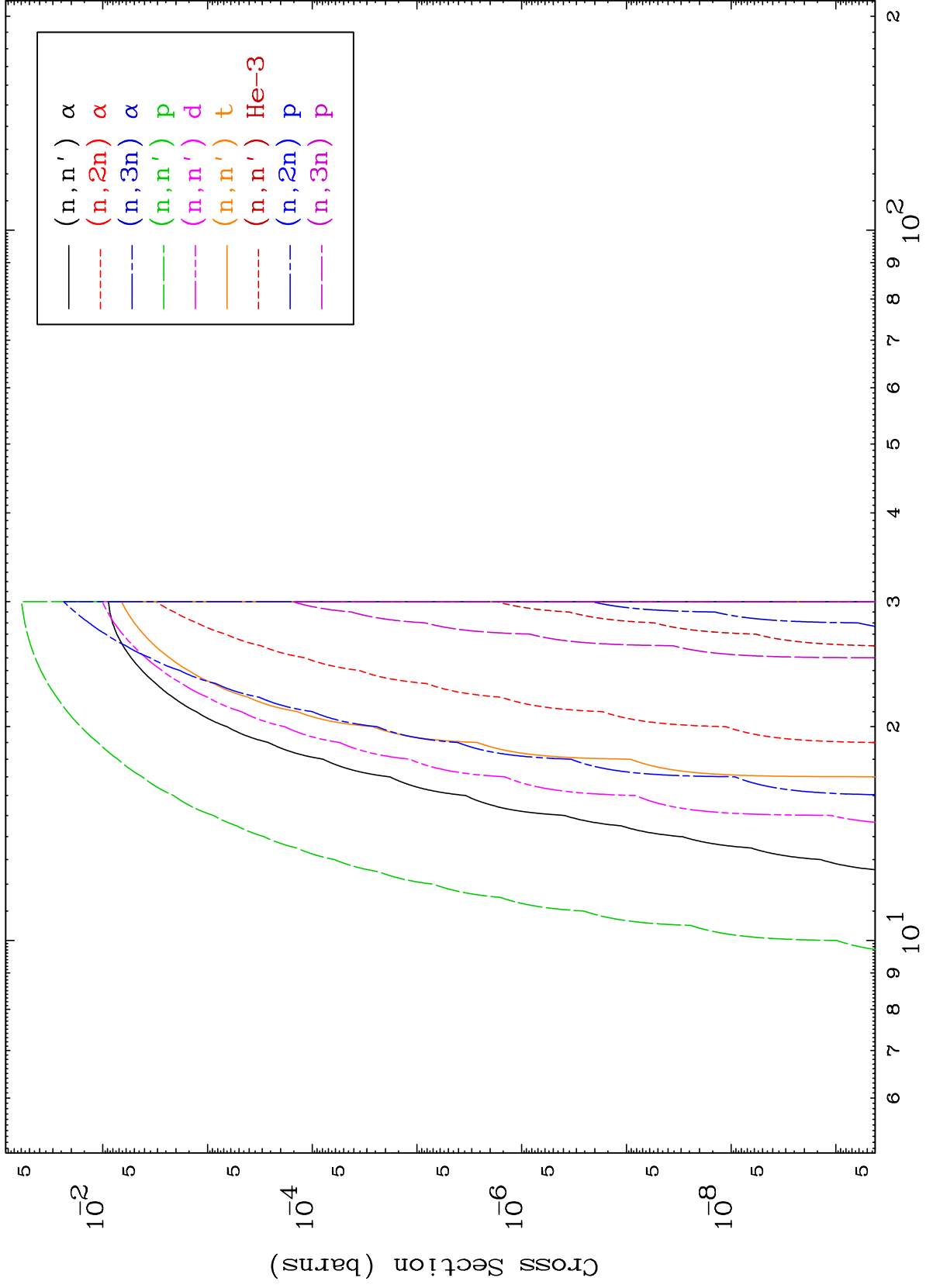
MAT 5140

Neutron Absorption  
293 Kelvin Cross Sections

51-Sb-126



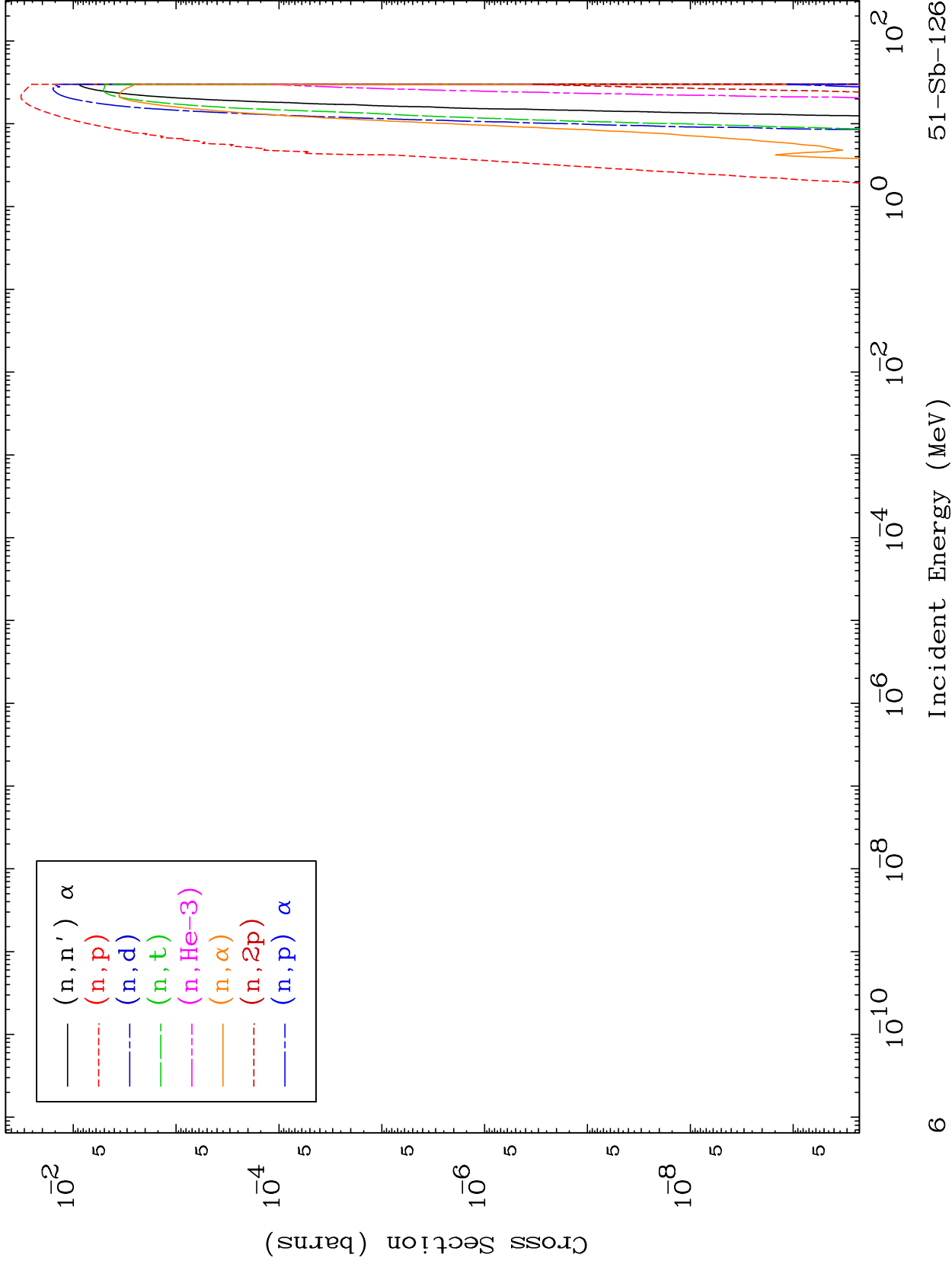




MAT 5140

Charged Particle  
293 Kelvin Cross Sections

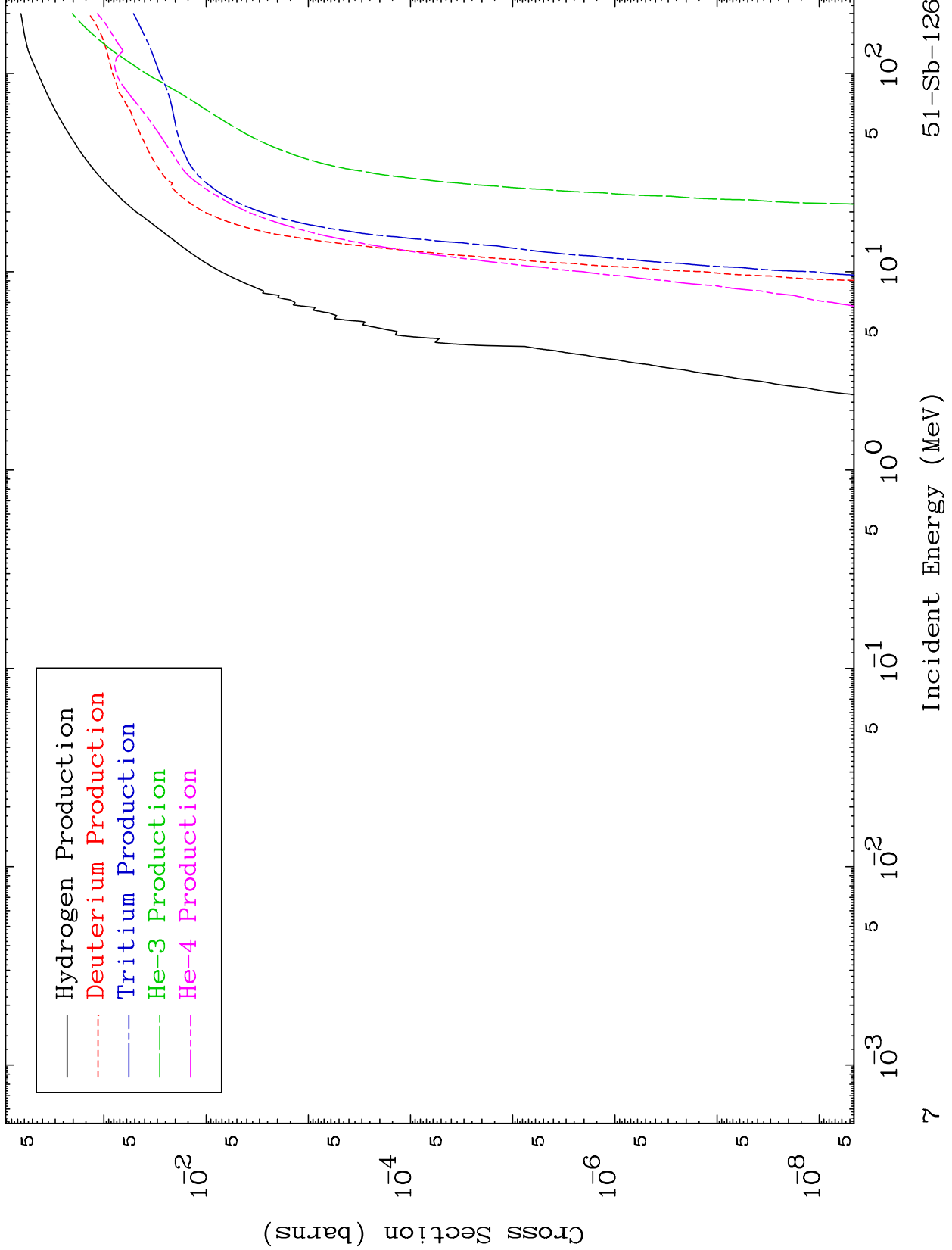
51-Sb-126

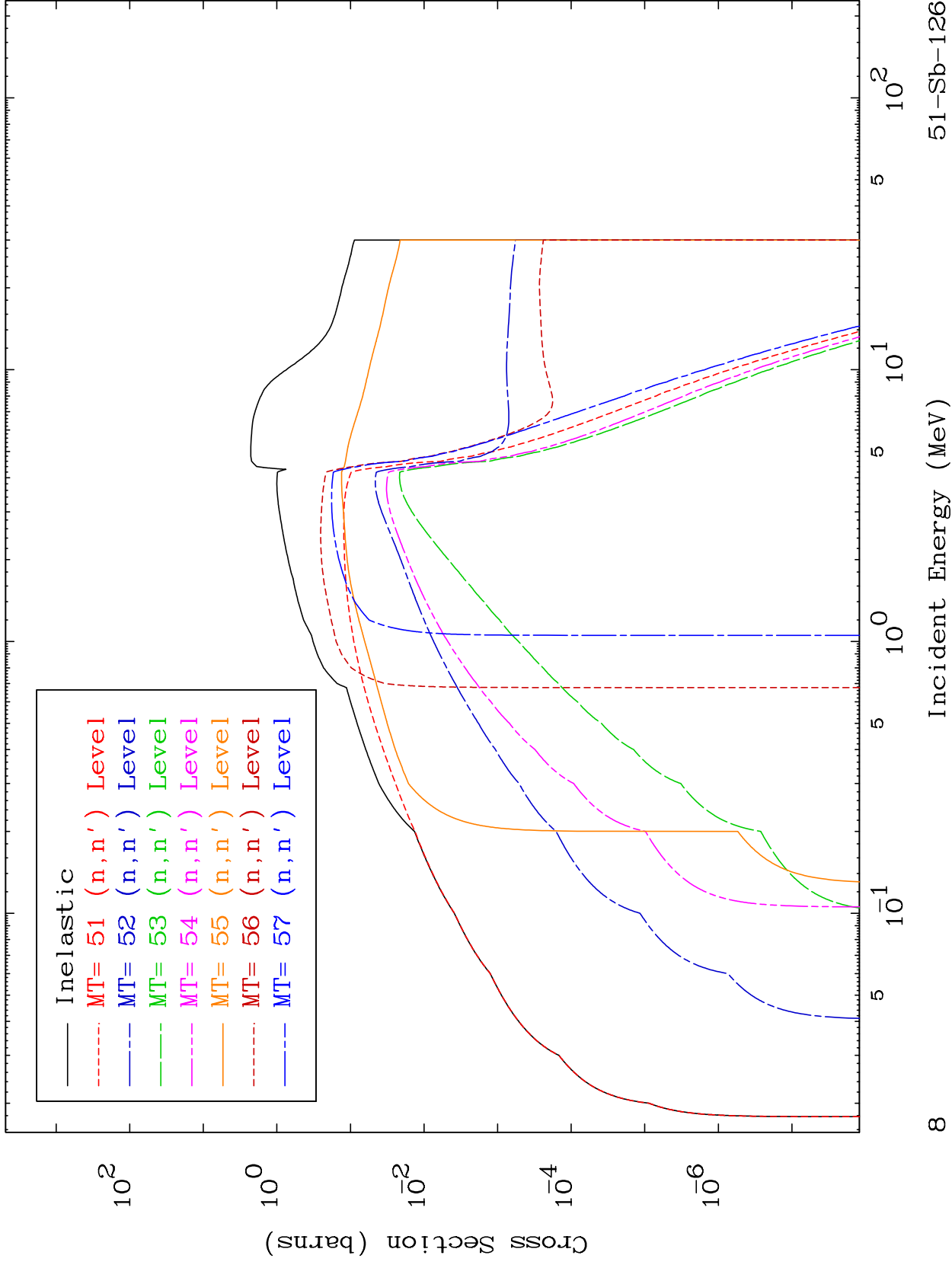


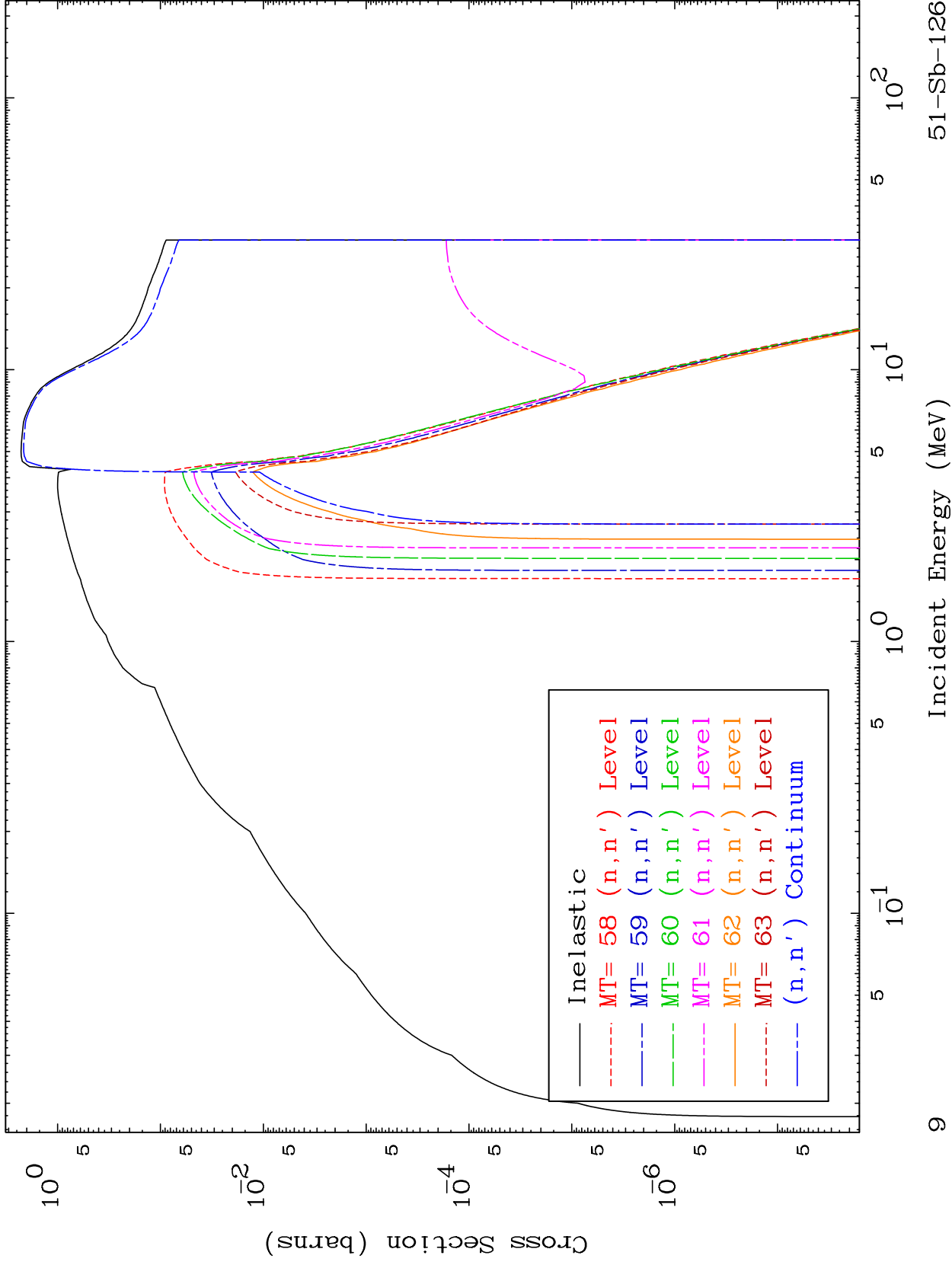
MAT 5140

Particle Production  
293 Kelvin Cross Sections

51-Sb-126



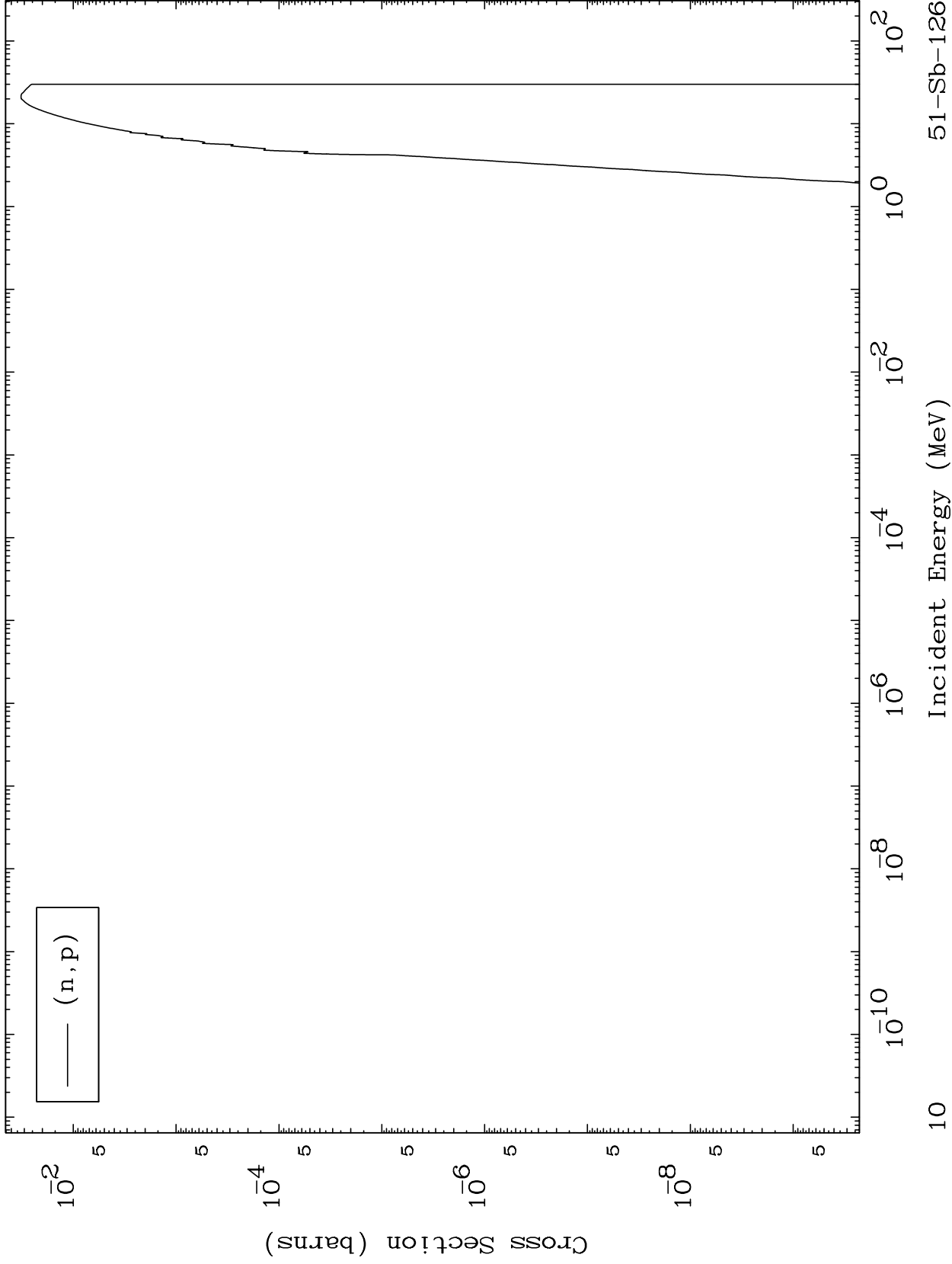




MAT 5140

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-126



10

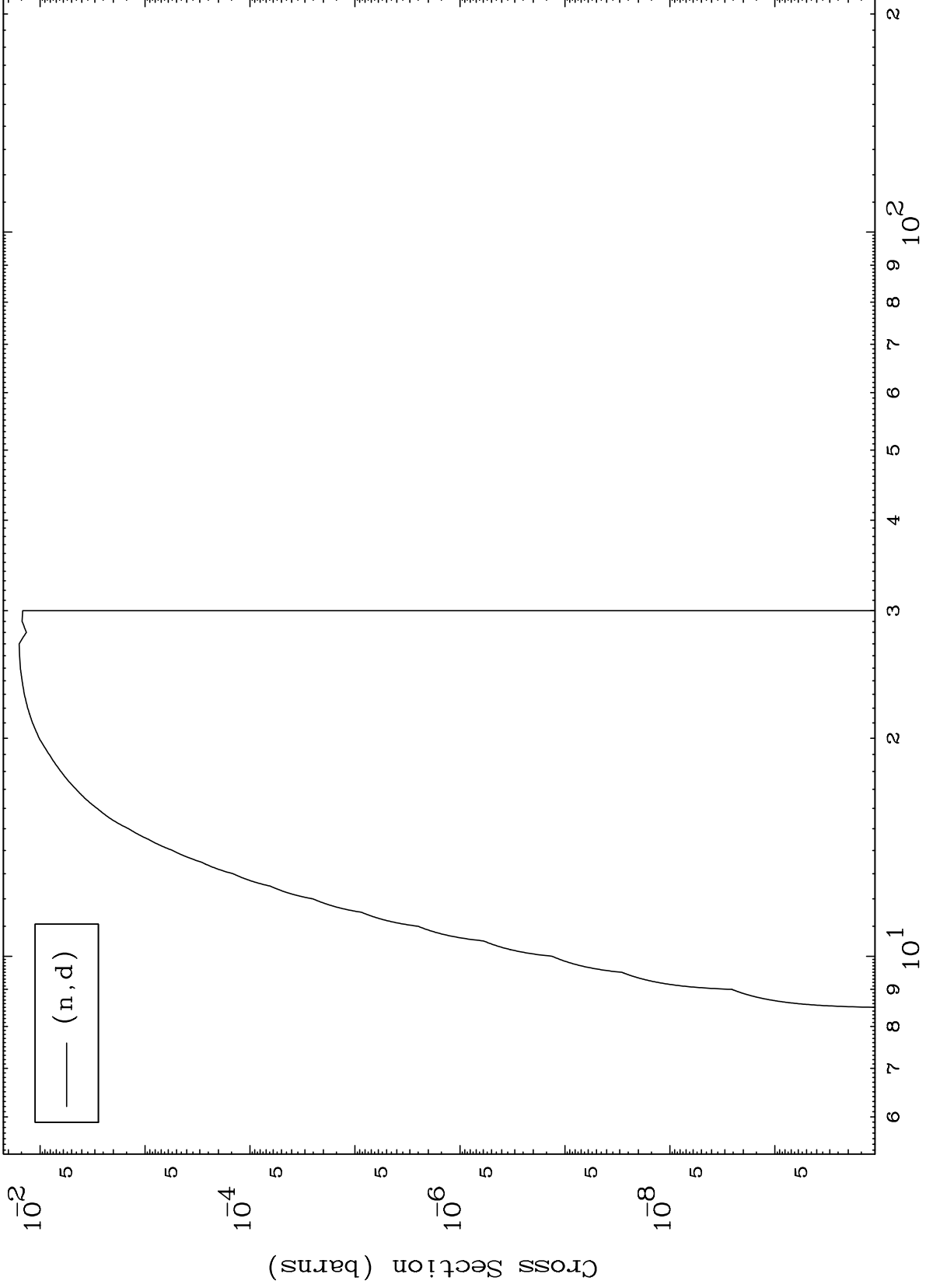
Incident Energy (MeV)

51-Sb-126

MAT 5140

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-126



11

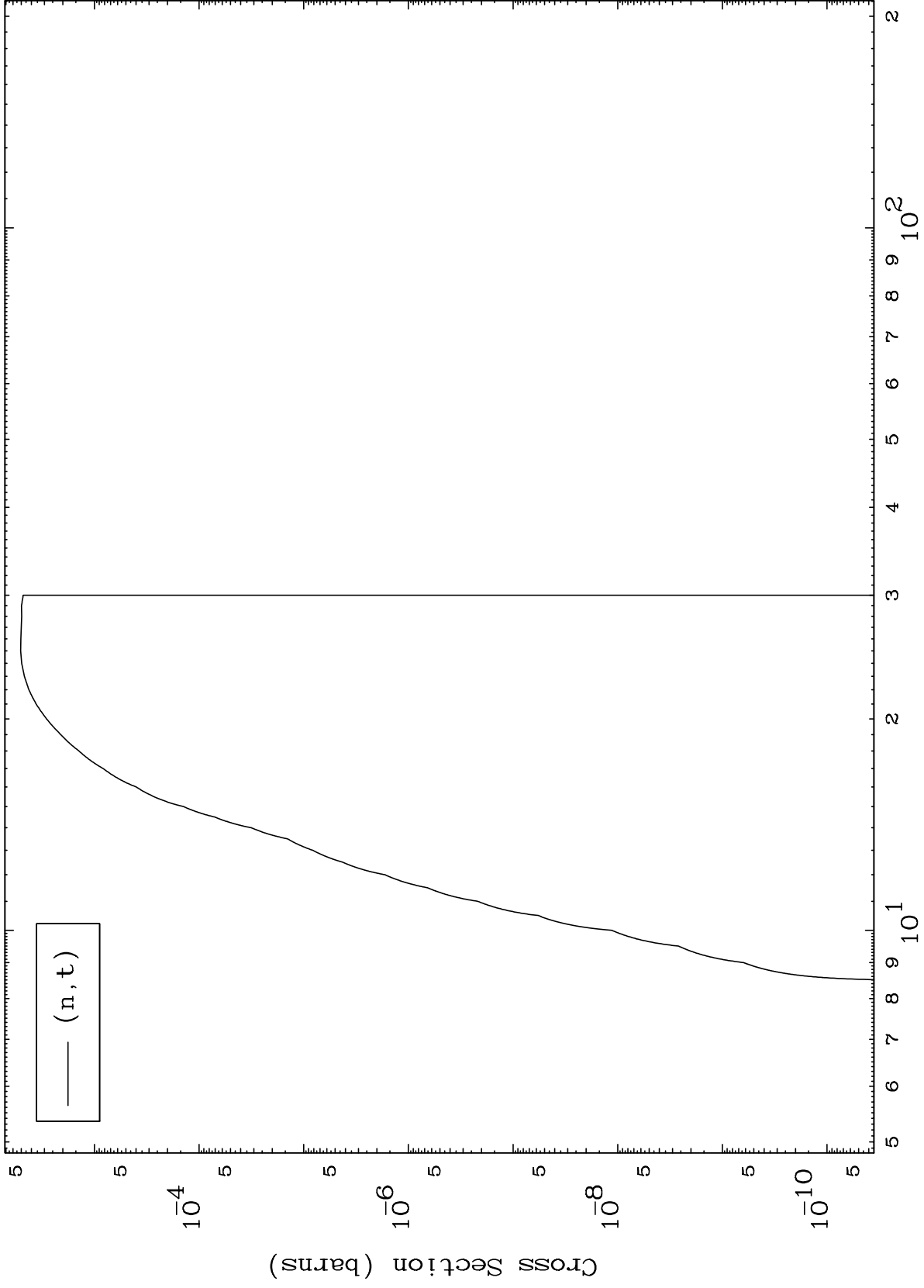
Incident Energy (MeV)

51-Sb-126

MAT 5140

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-126

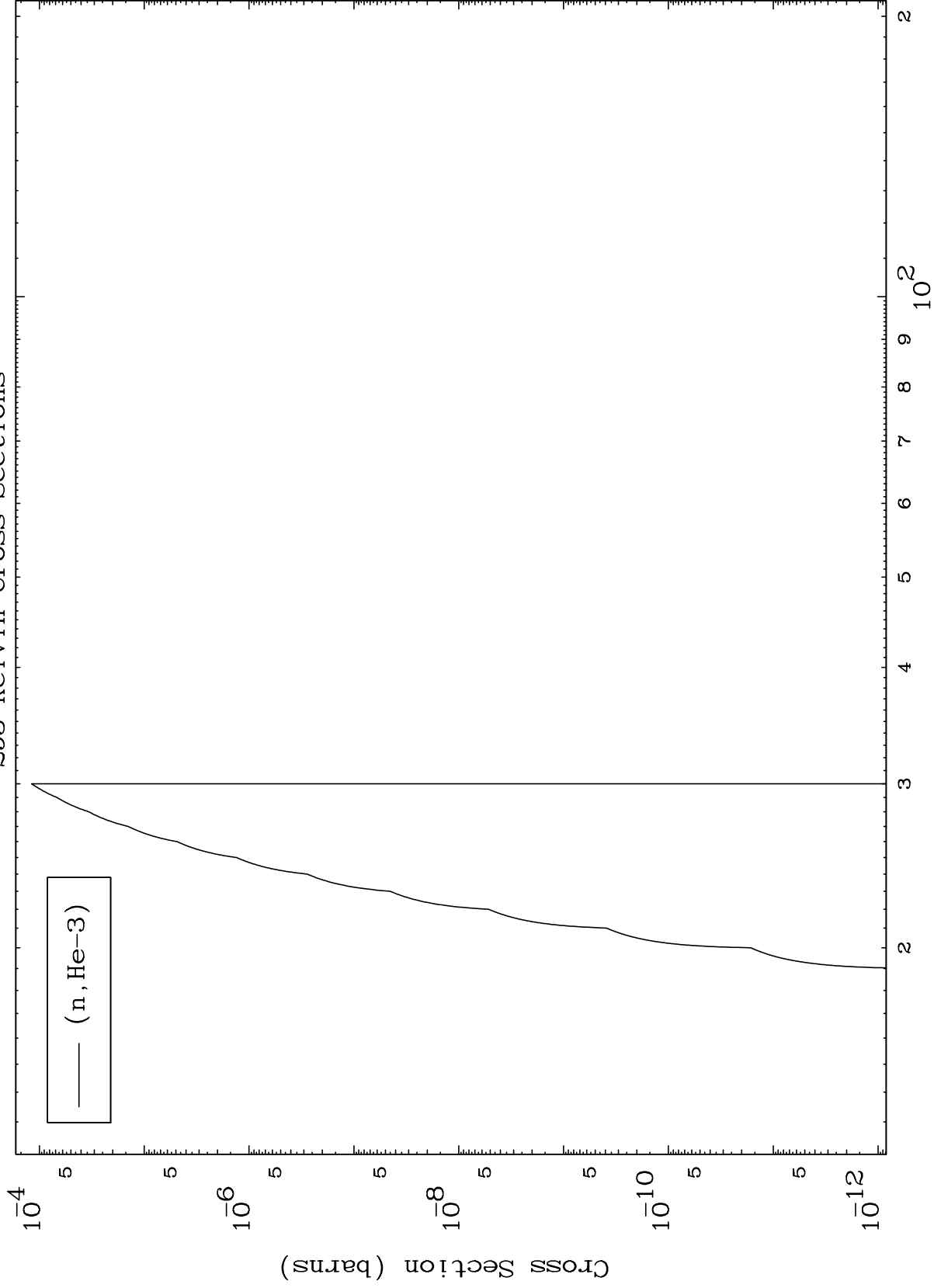


(n,t)

Incident Energy (MeV)

51-Sb-126

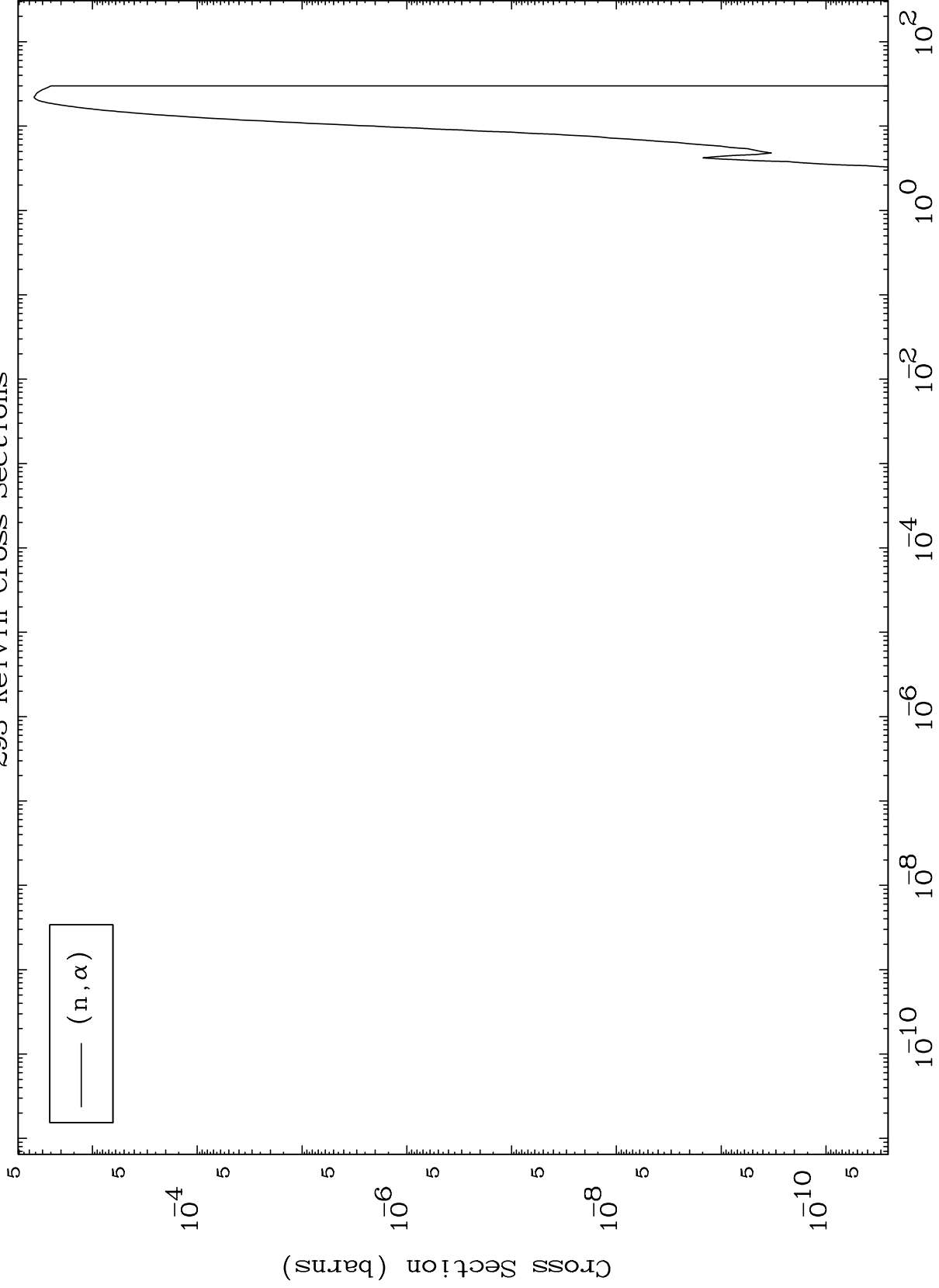
12



MAT 5140

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

51-Sb-126



14

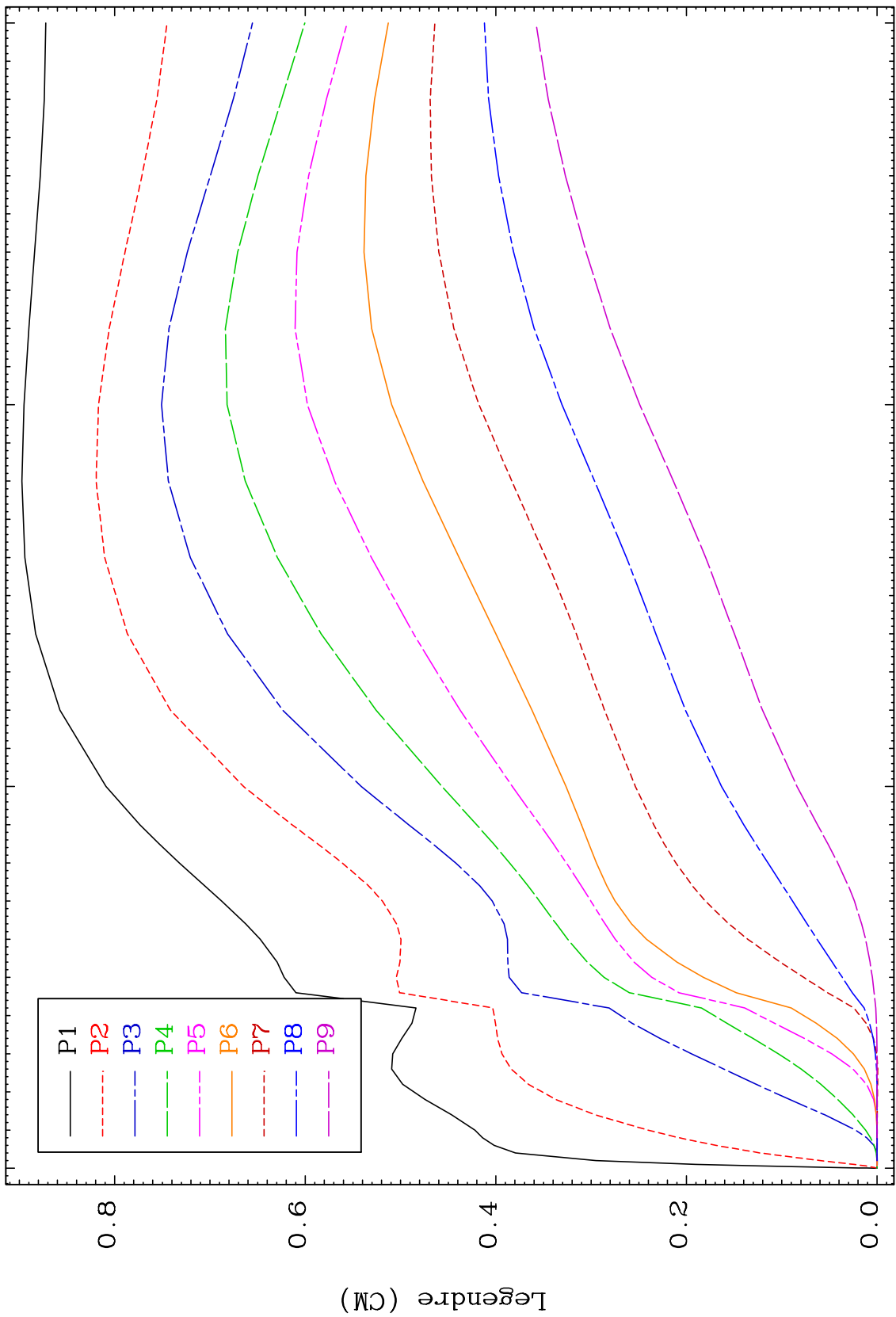
Incident Energy (MeV)

51-Sb-126

MAT 5140

51-Sb-126

Elastic Legendre Coefficients



51-Sb-126

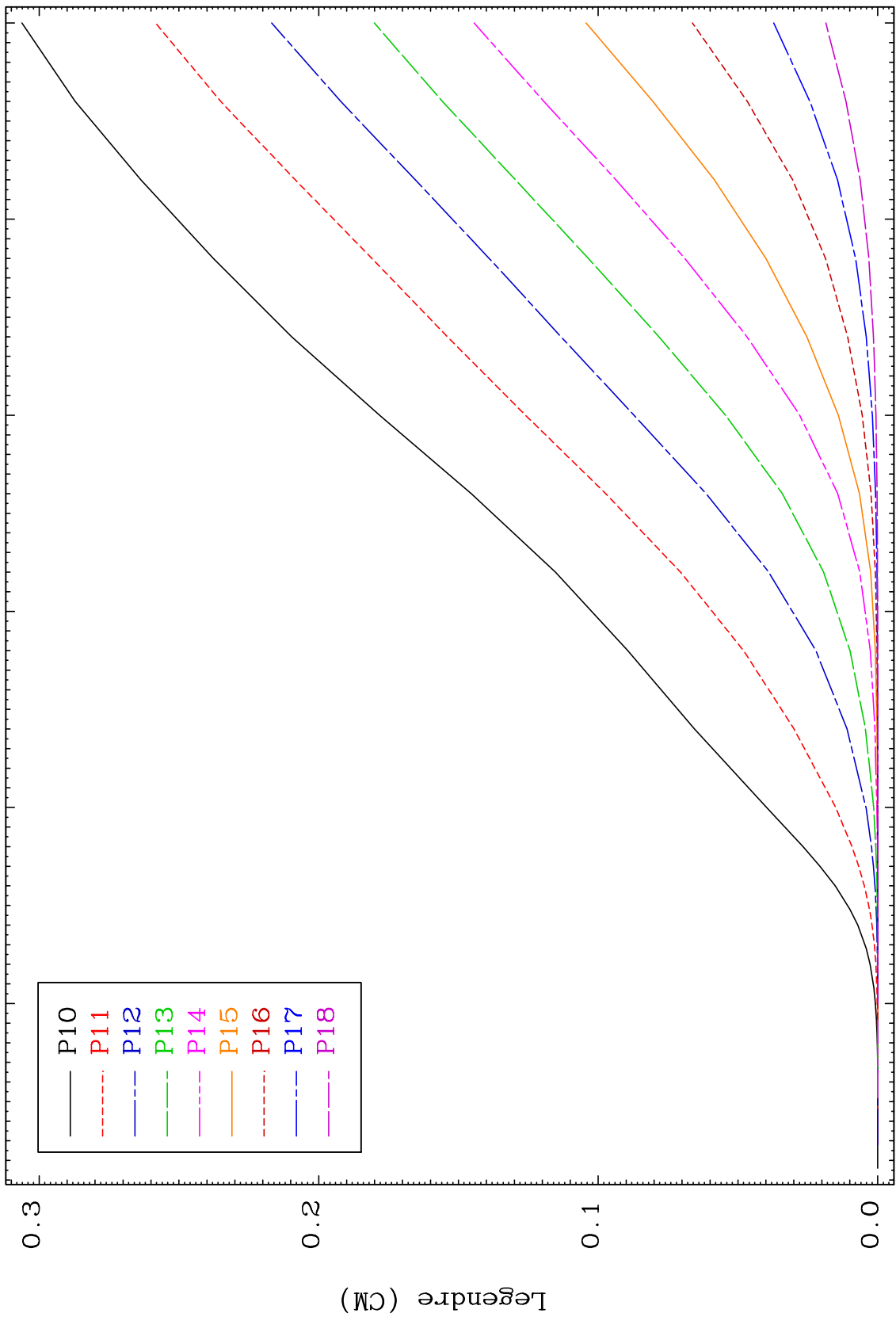
Incident Energy (MeV)

15

MAT 5140

Elastic Legendre Coefficients

51-Sb-126



16

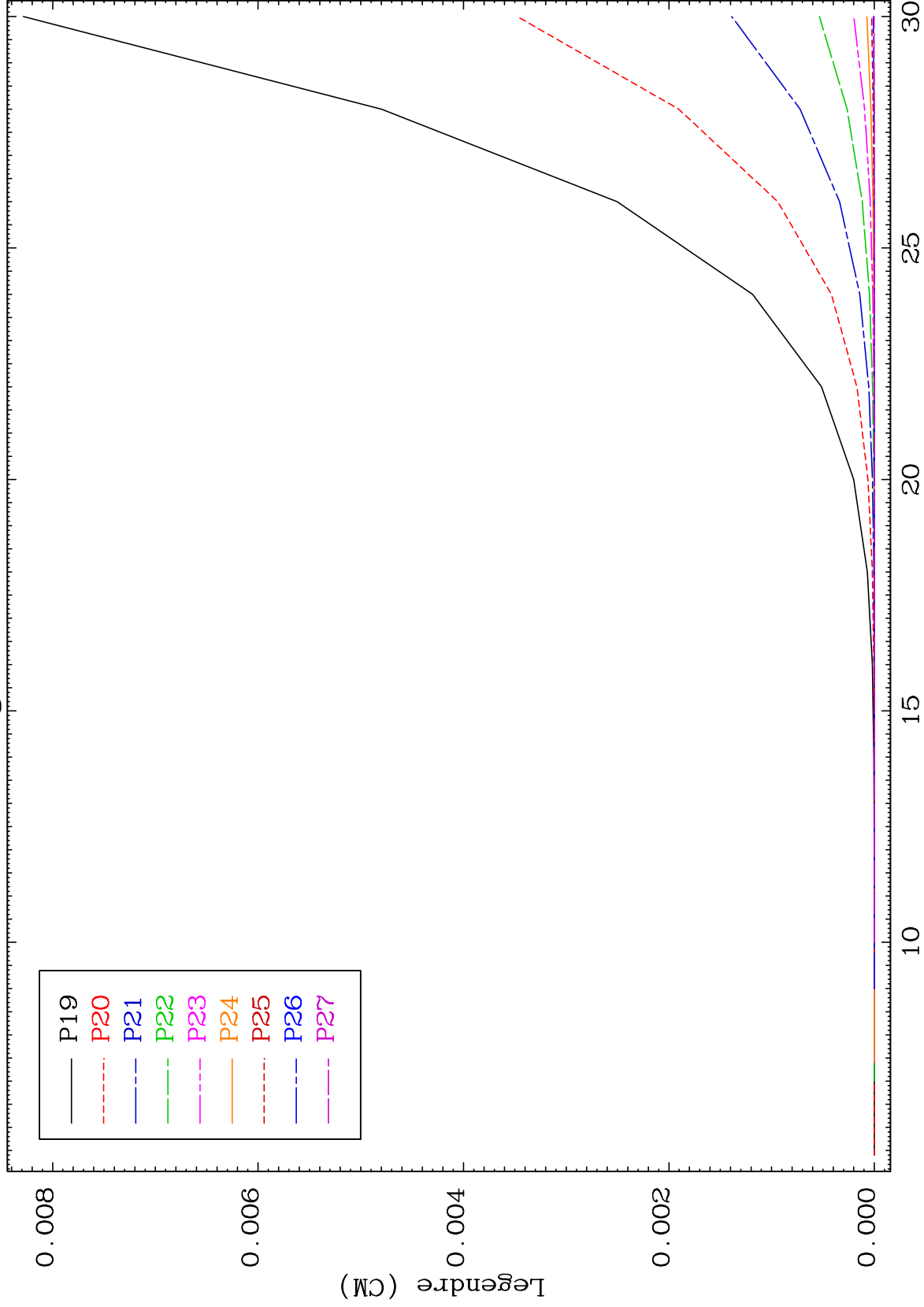
Incident Energy (MeV)

51-Sb-126

MAT 5140

### Elastic Legendre Coefficients

51-Sb-126



17

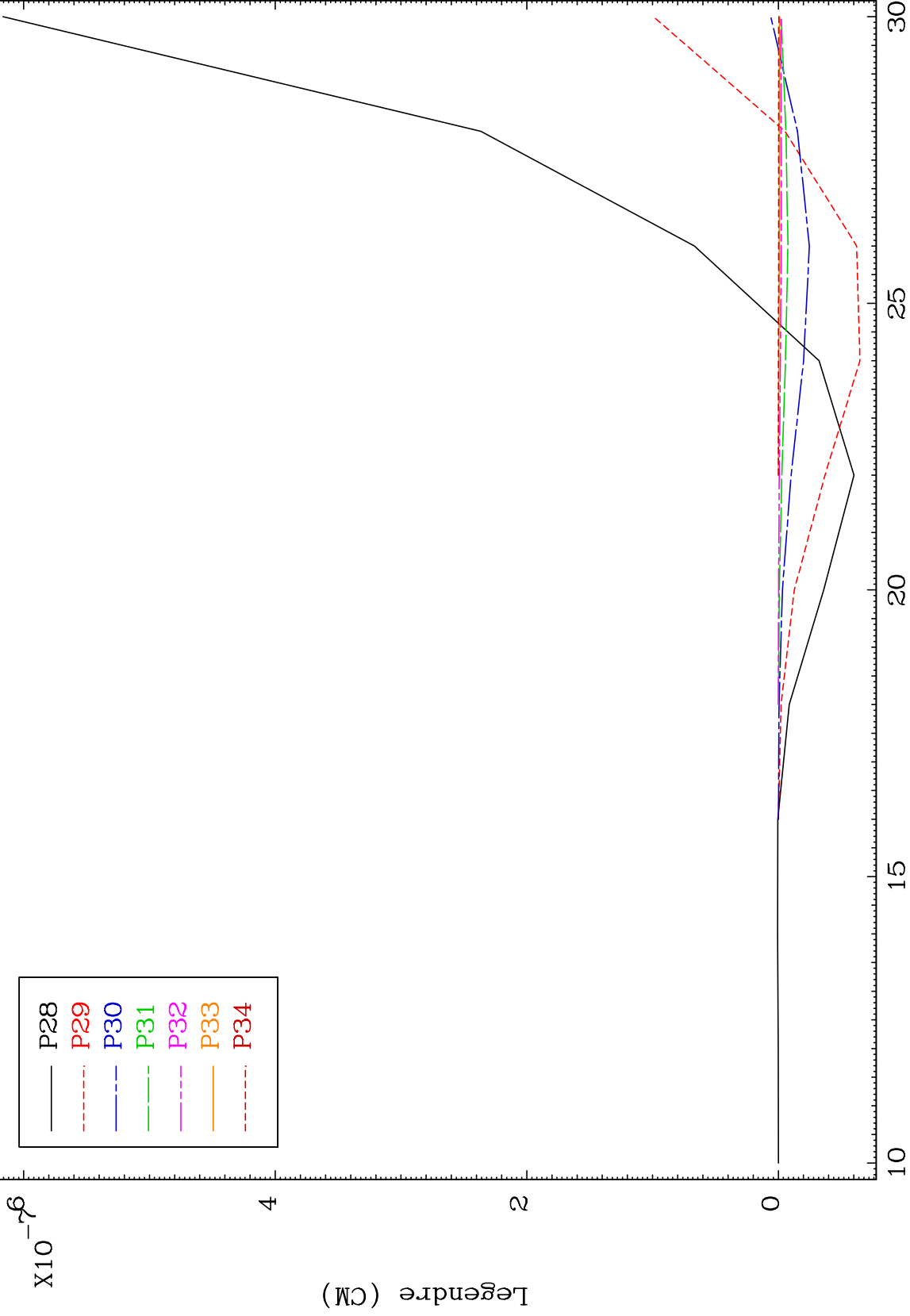
Incident Energy (MeV)

51-Sb-126

MAT 5140

Elastic Legendre Coefficients

51-Sb-126



18

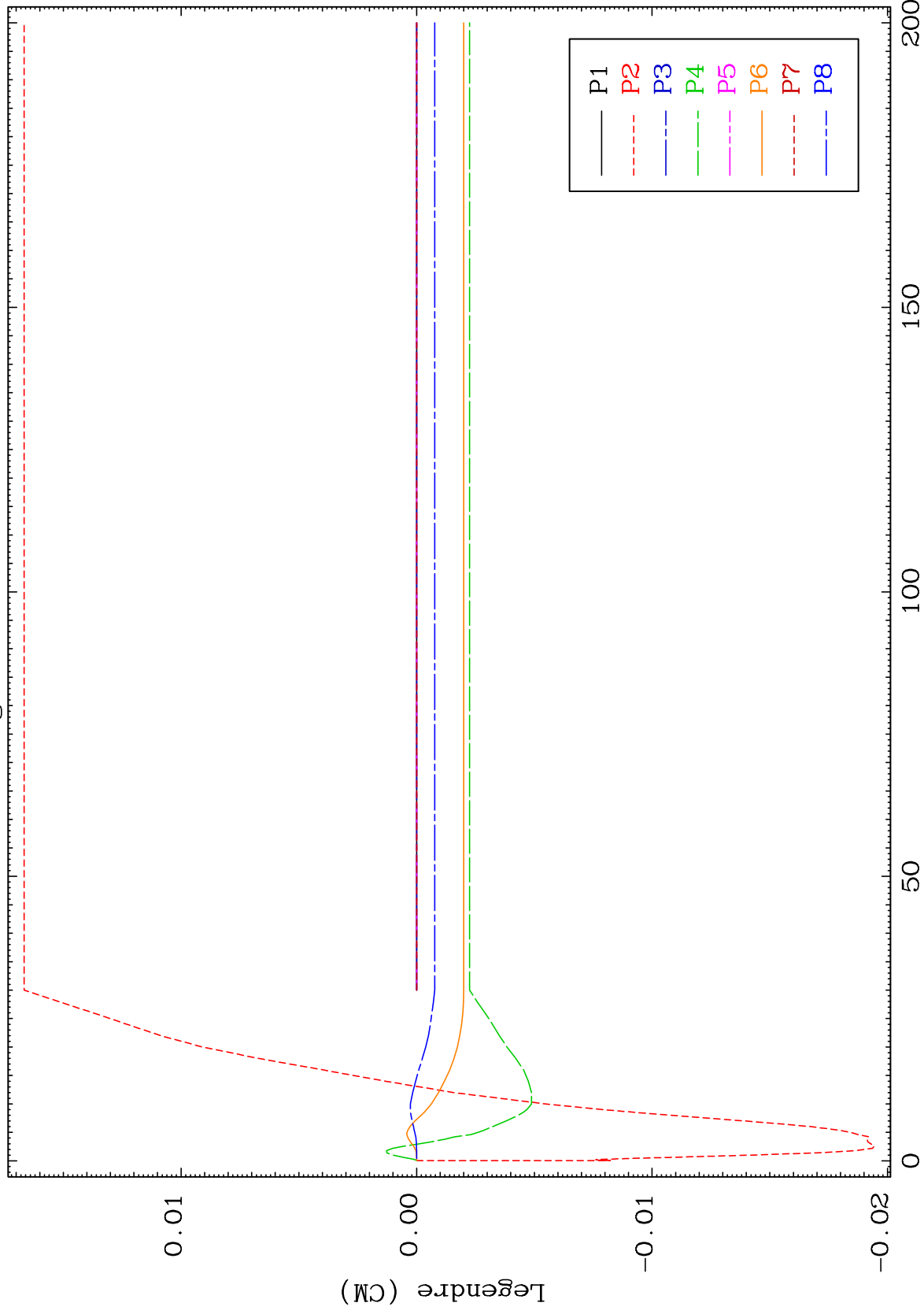
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



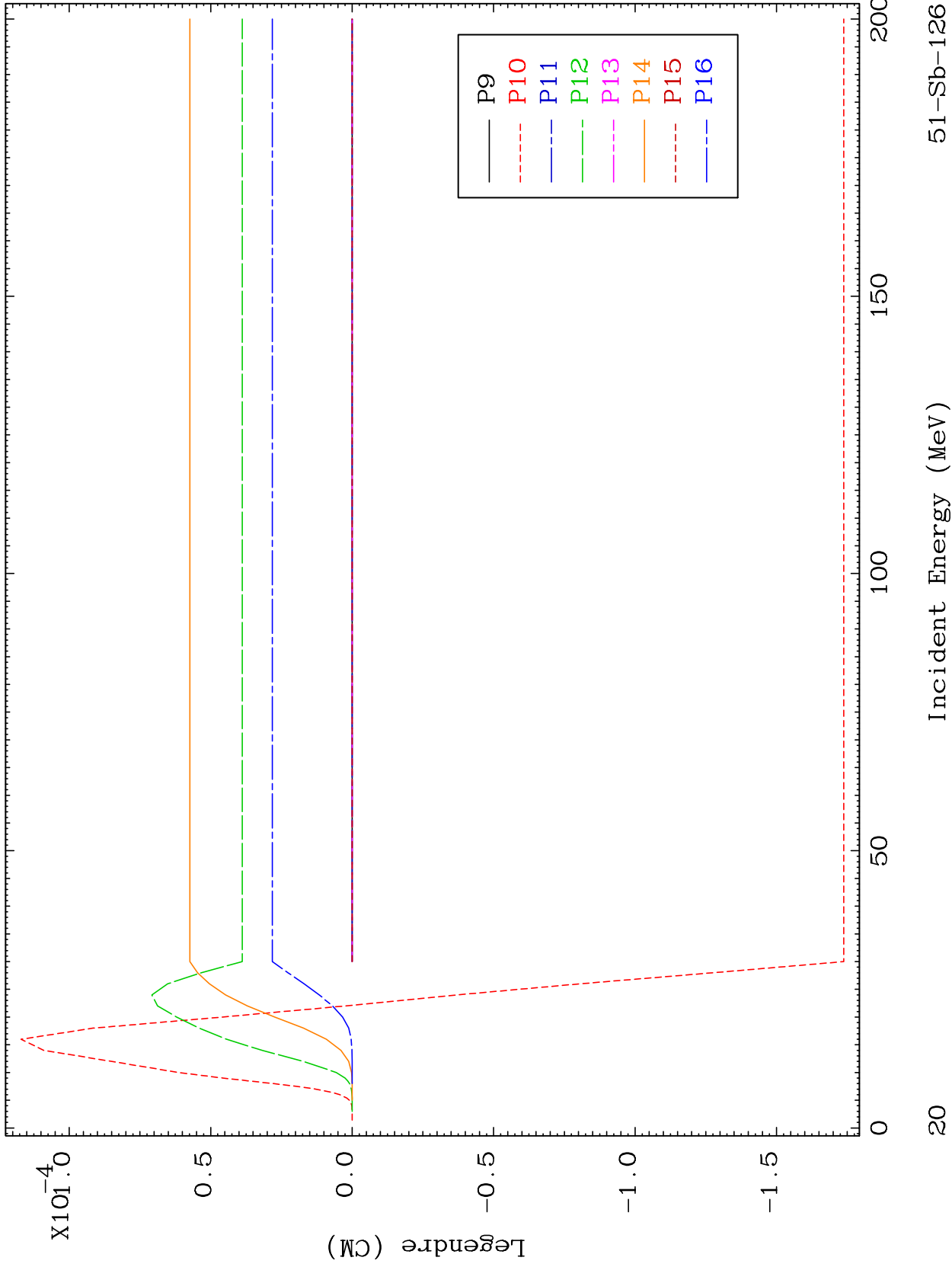
19

51-Sb-126

MAT 5140

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

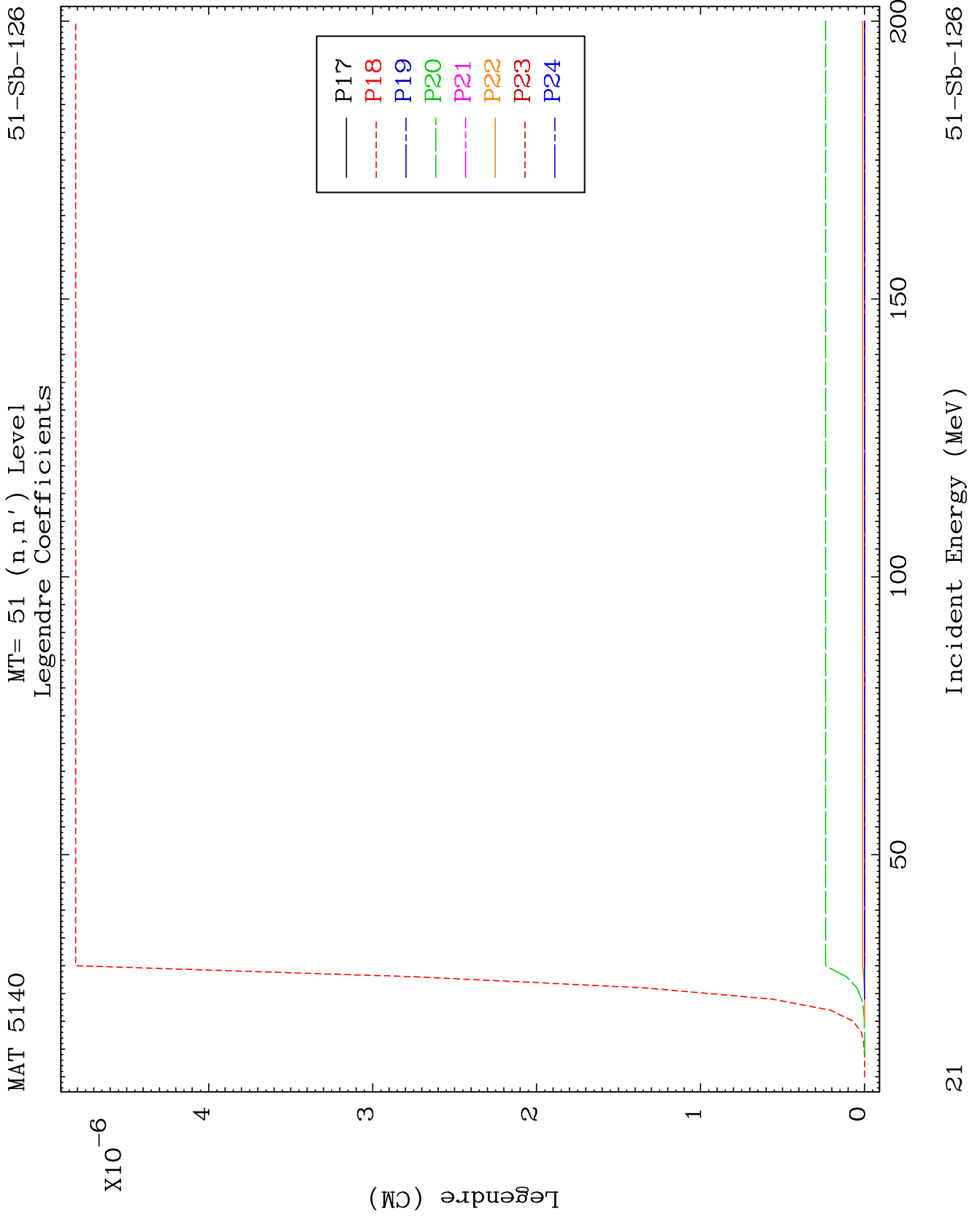
51-Sb-126



51-Sb-126

Incident Energy (MeV)

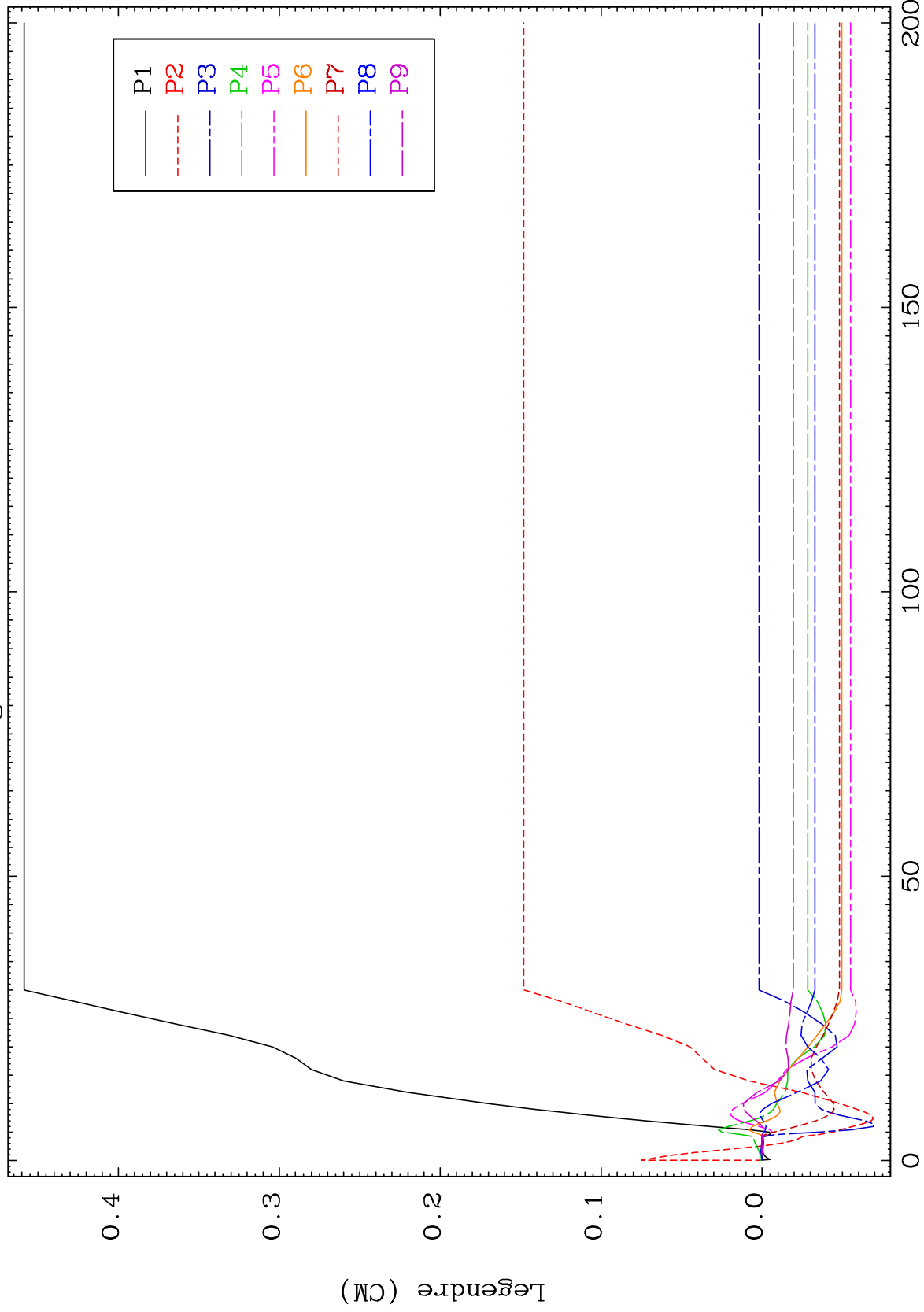
20



MAT 5140

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

51-Sb-126



22

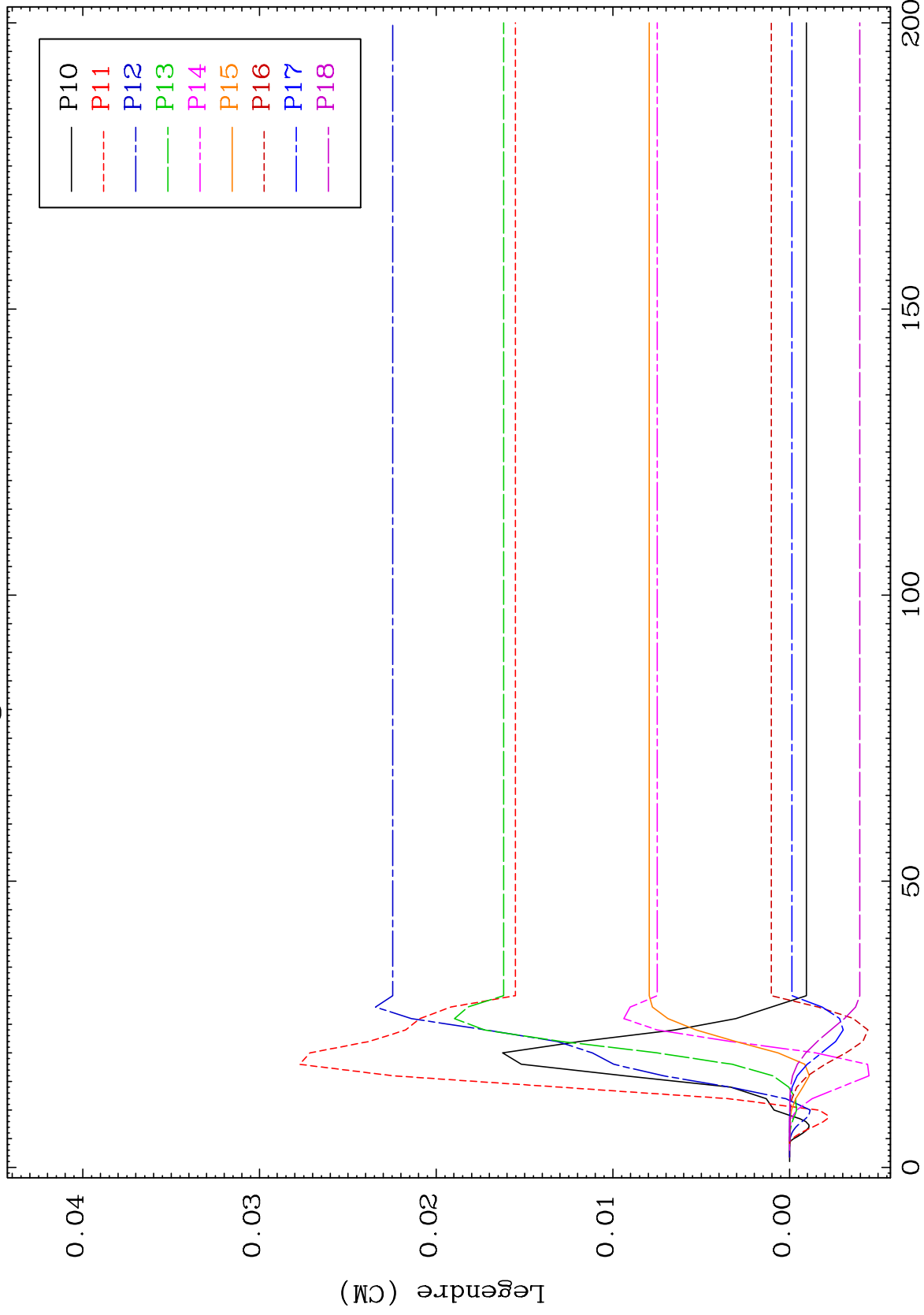
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



23

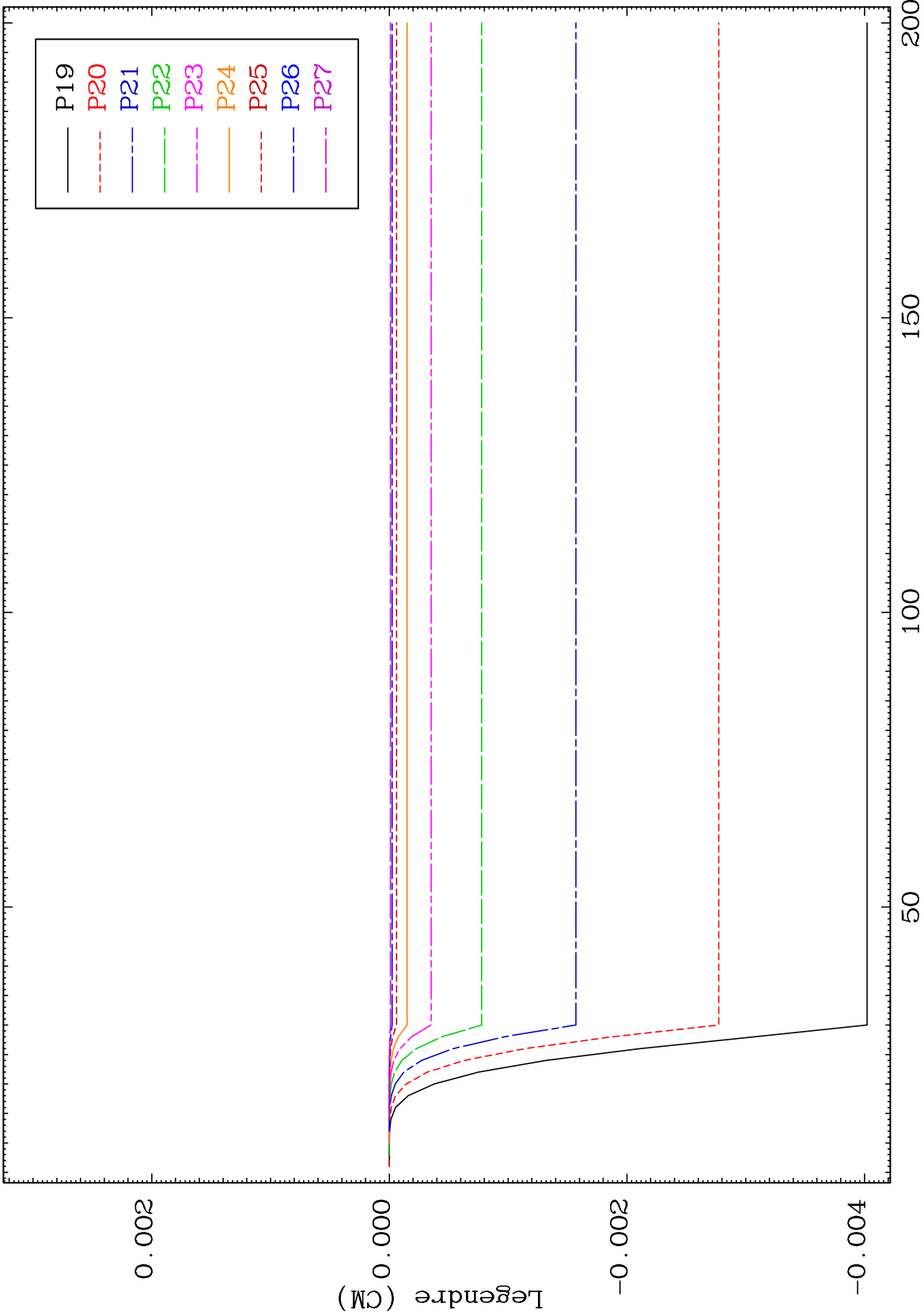
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

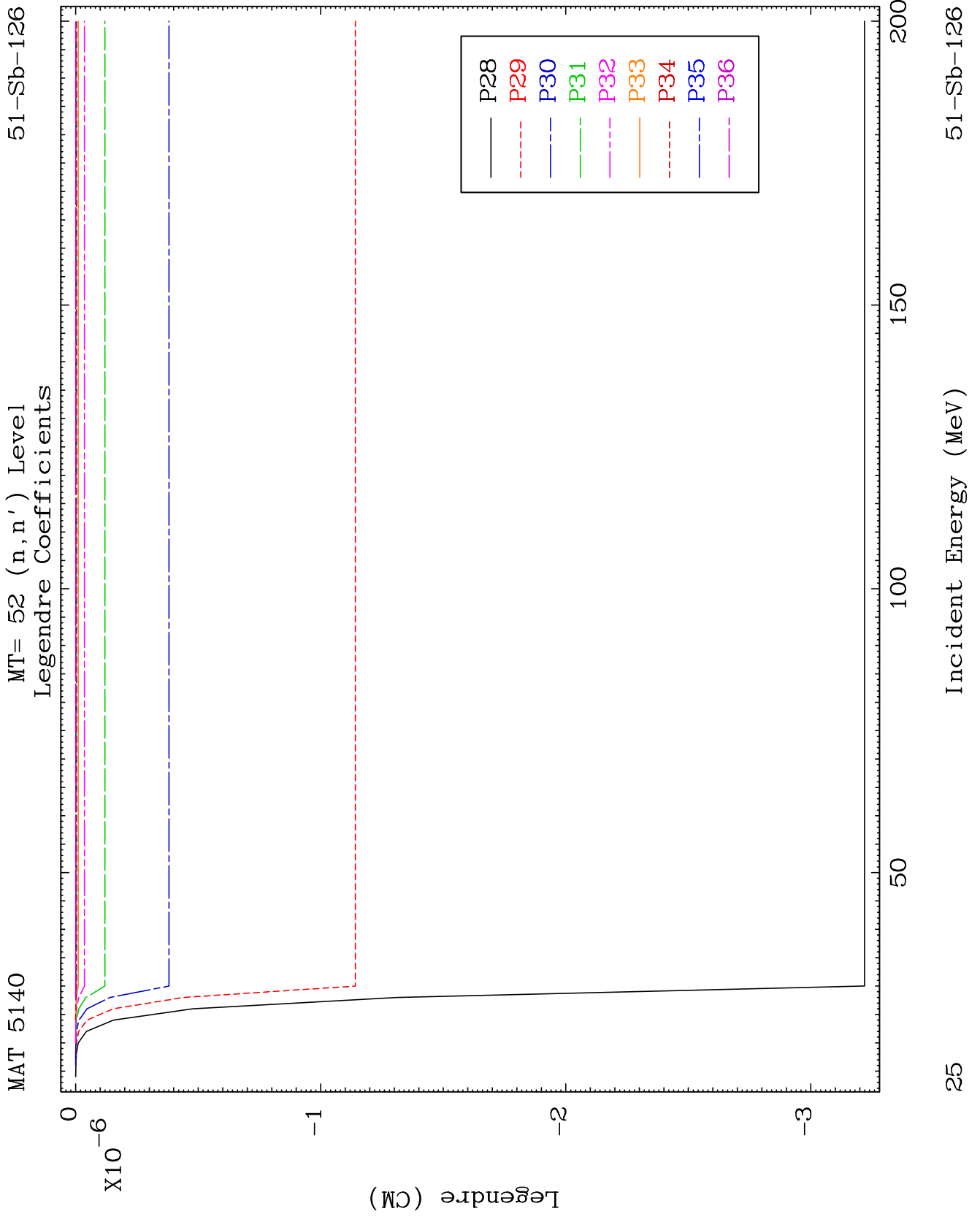
51-Sb-126



24

Incident Energy (MeV)

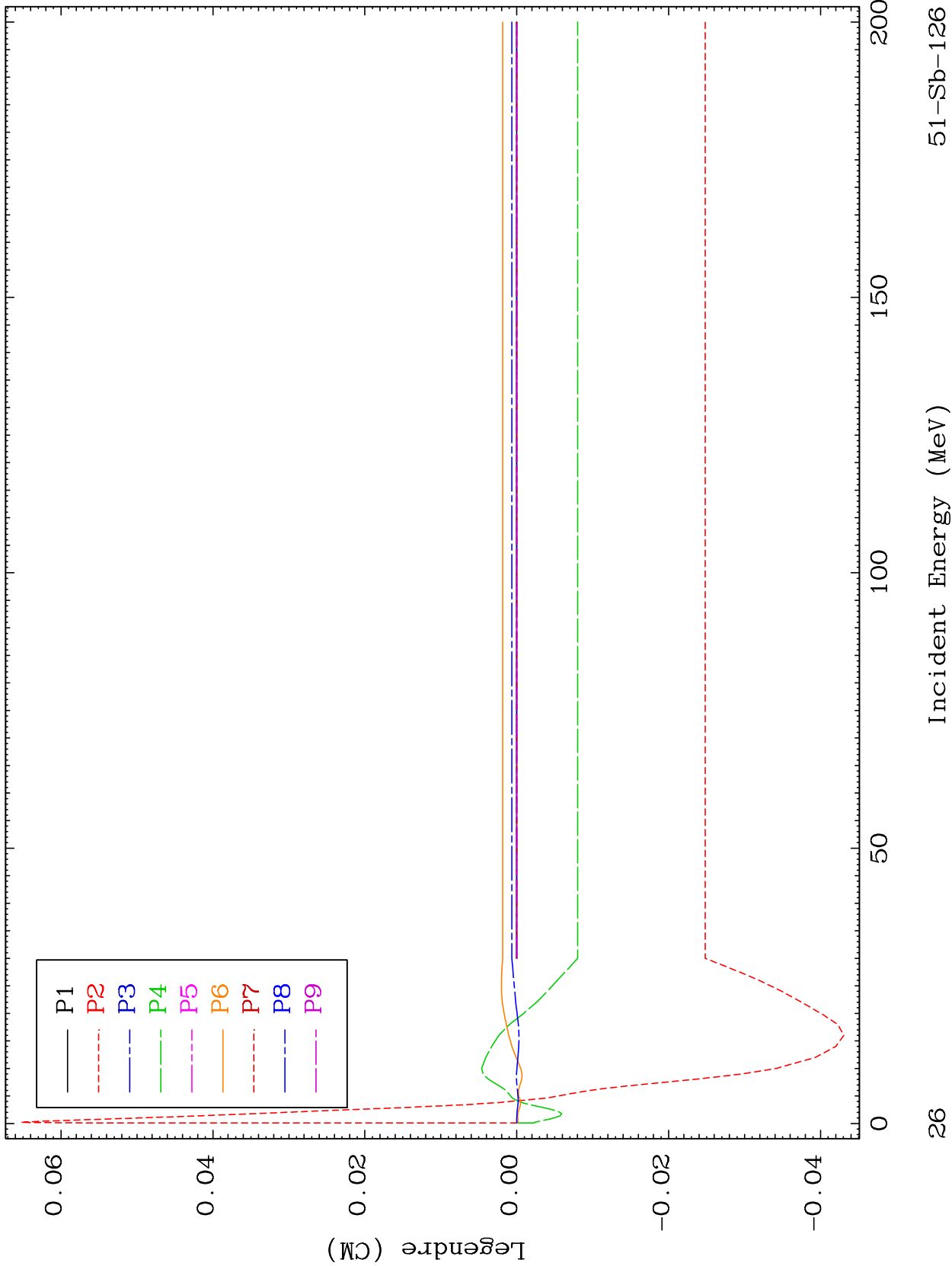
51-Sb-126



MAT 5140

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

51-Sb-126



51-Sb-126

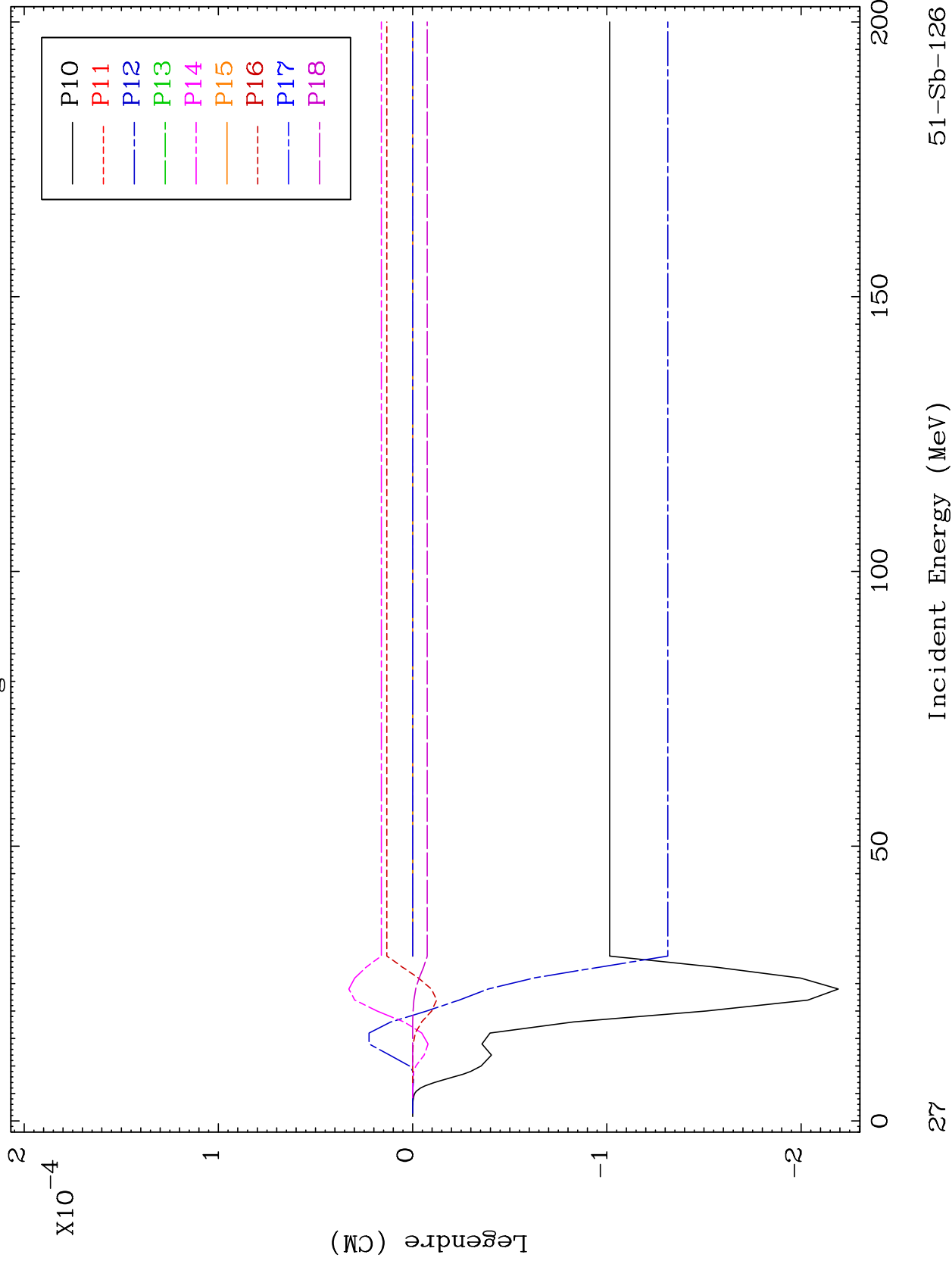
Incident Energy (MeV)

26

MAT 5140

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

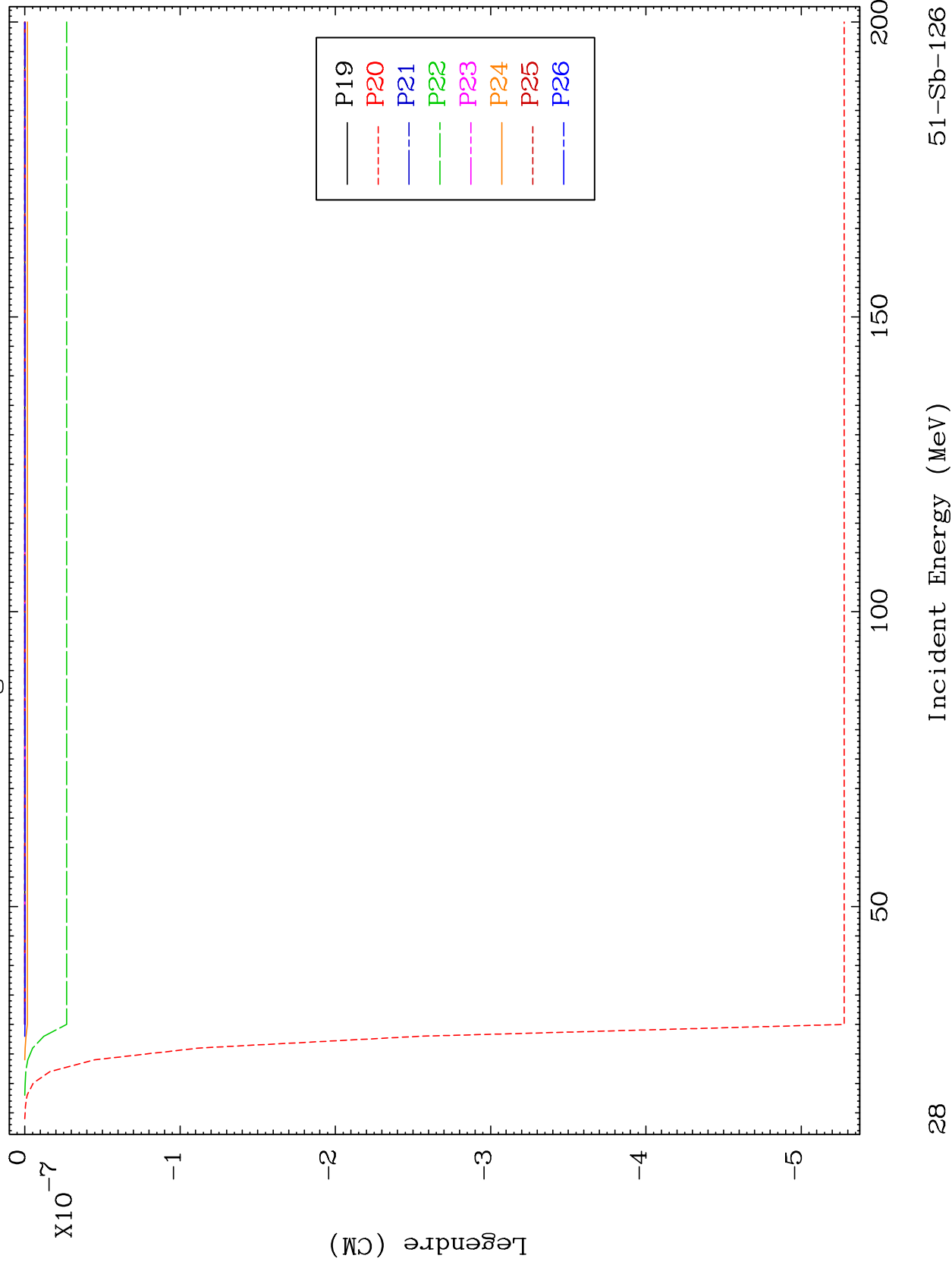
51-Sb-126



MAT 5140

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

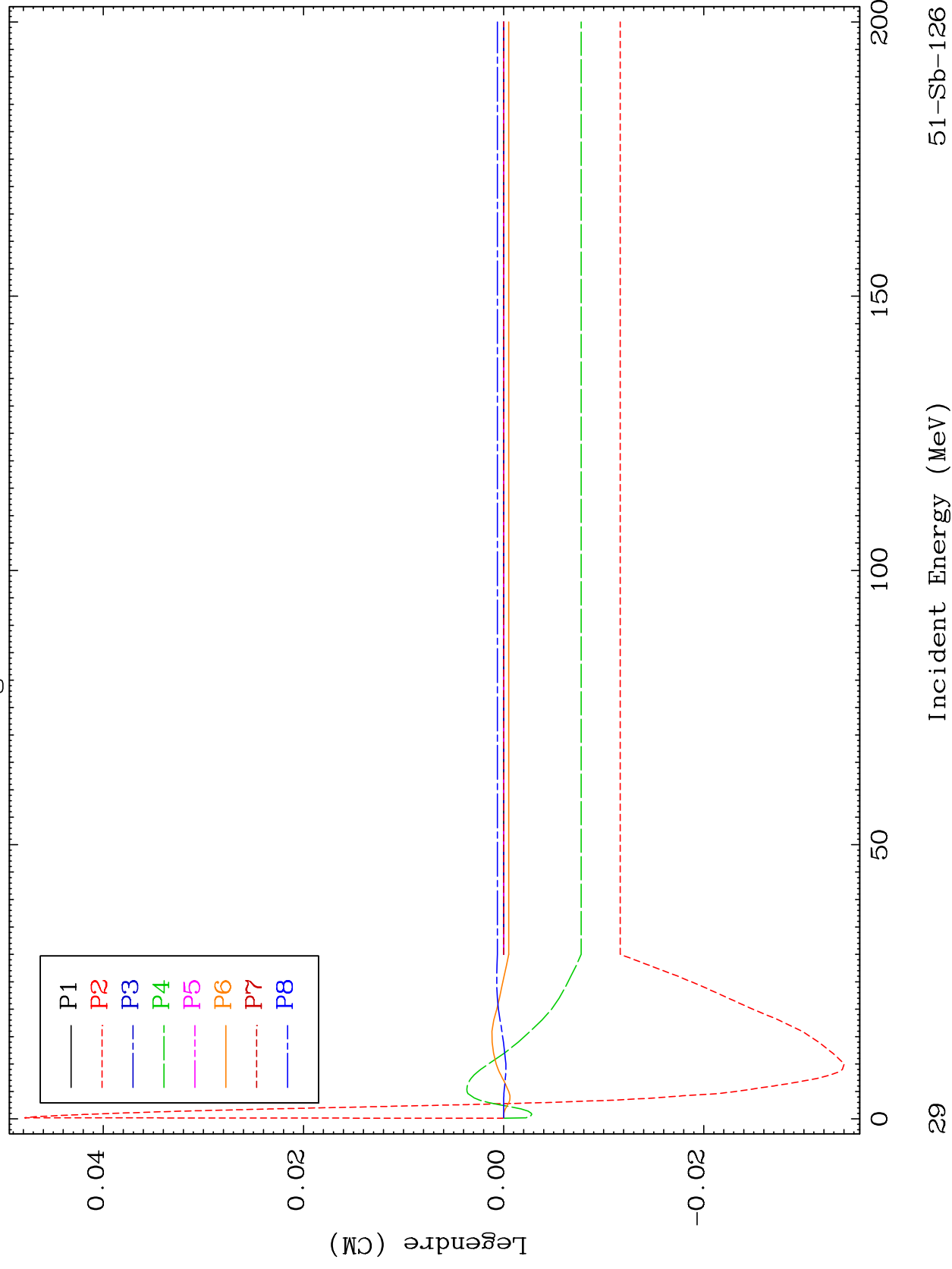
51-Sb-126

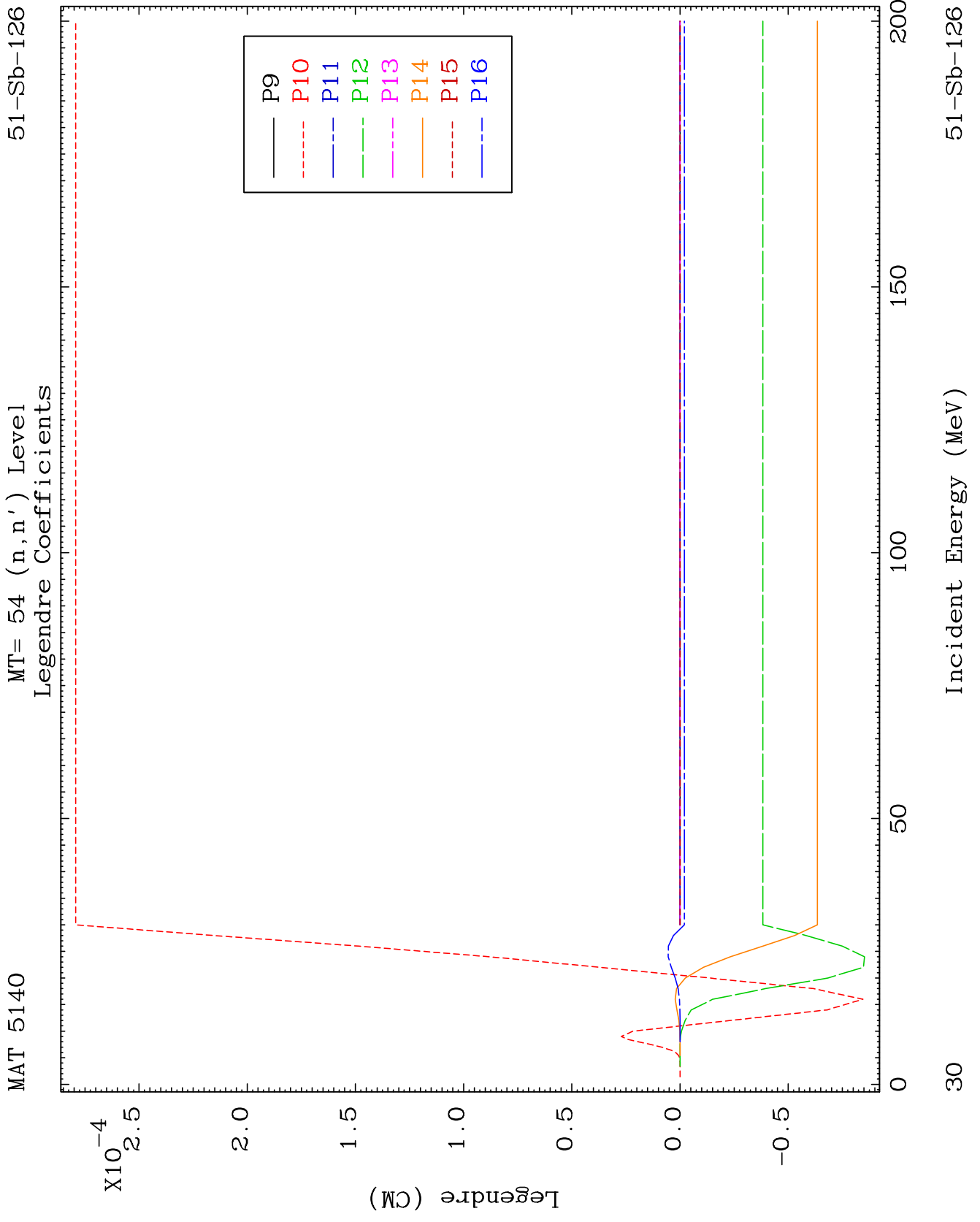


28

Incident Energy (MeV)

51-Sb-126

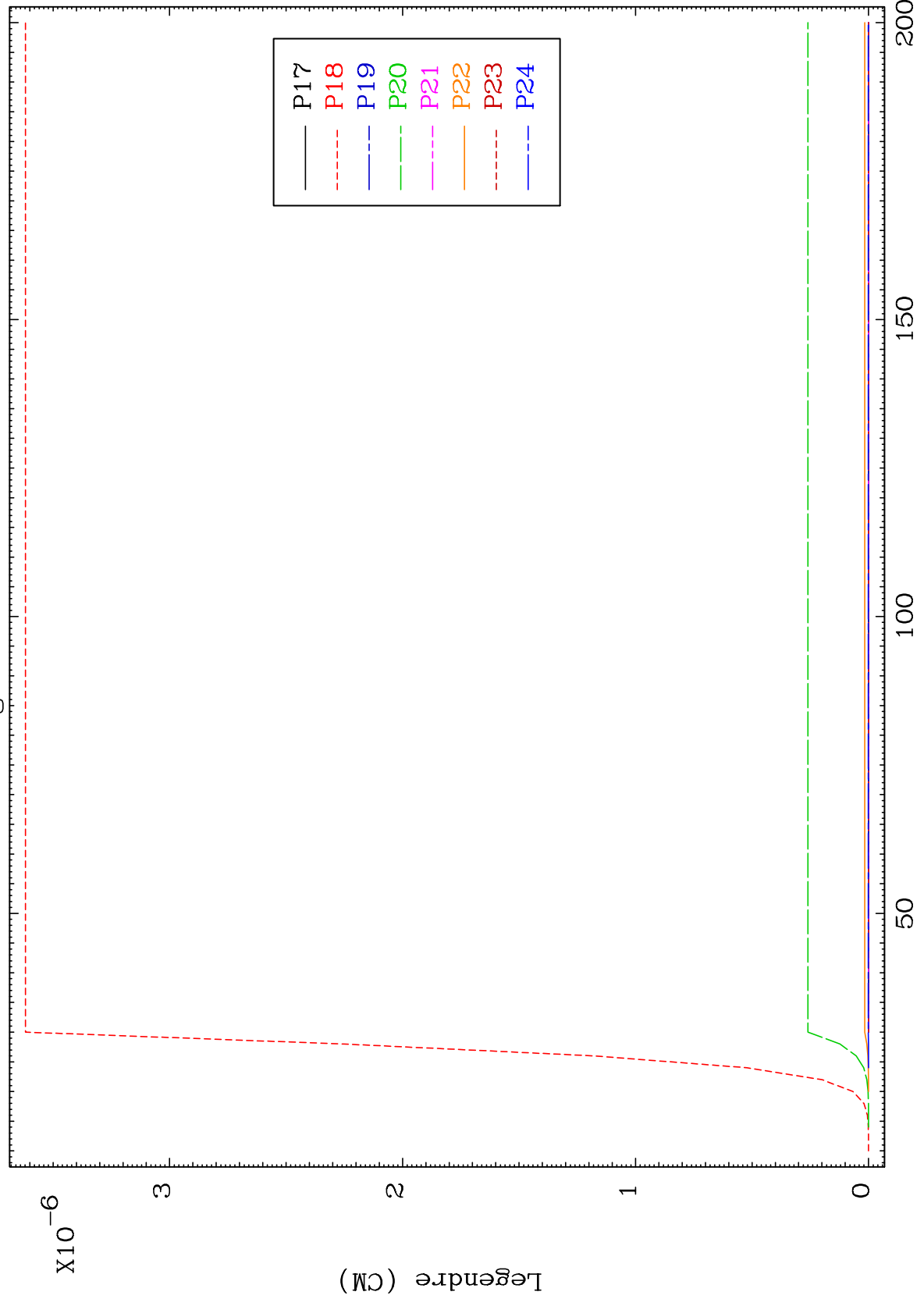




MAT 5140

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

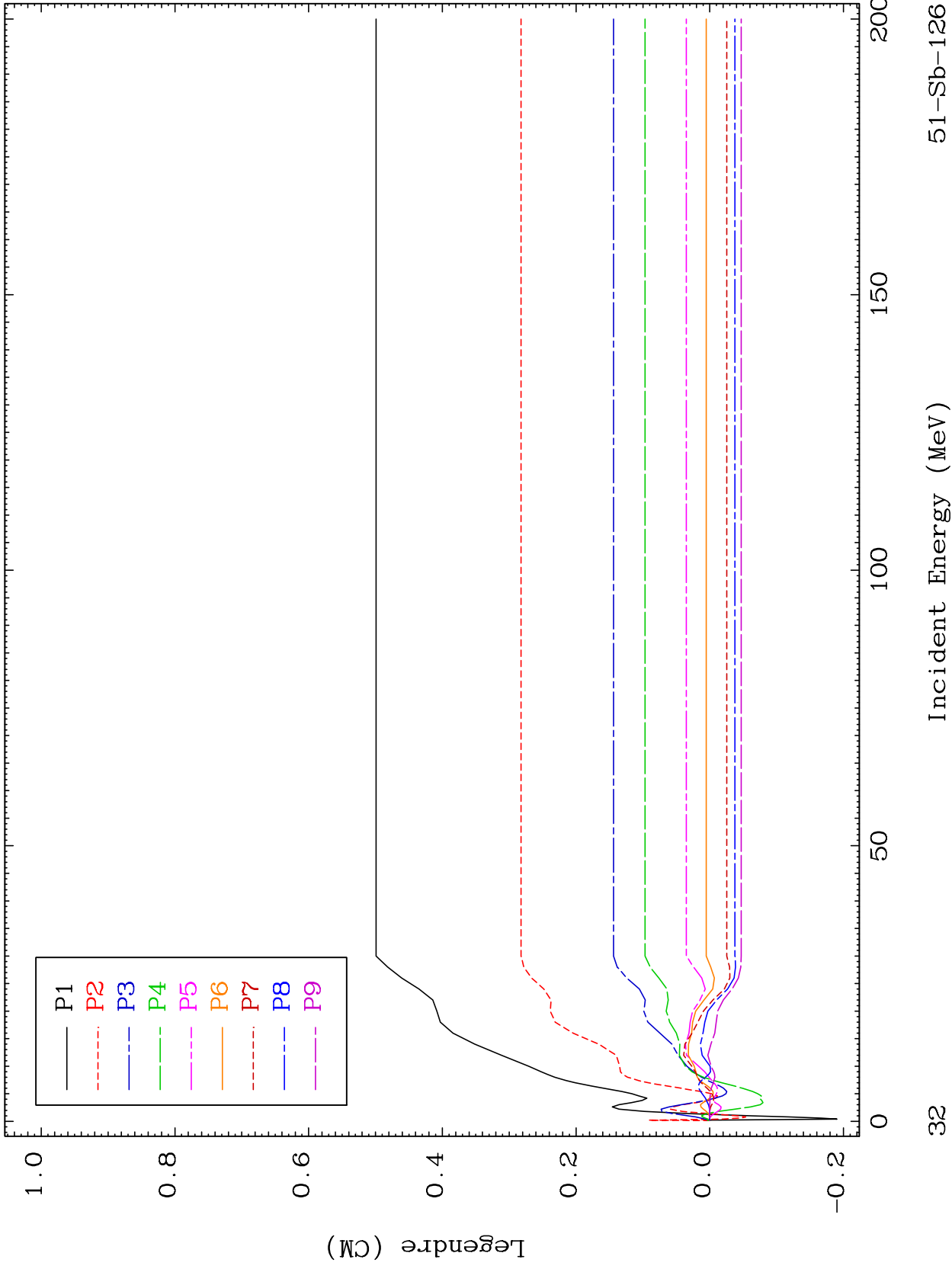
51-Sb-126



51-Sb-126

Incident Energy (MeV)

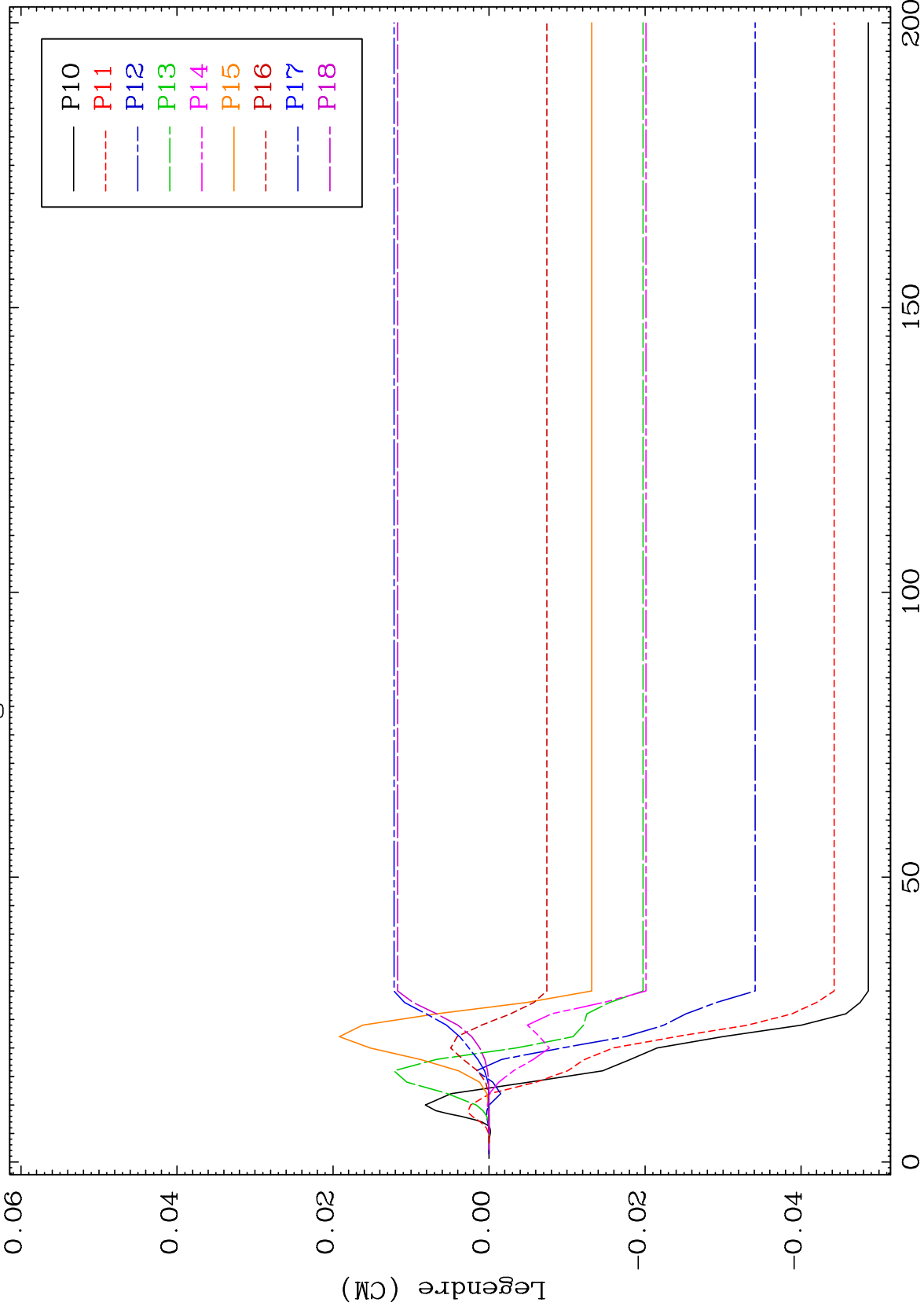
31



MAT 5140

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

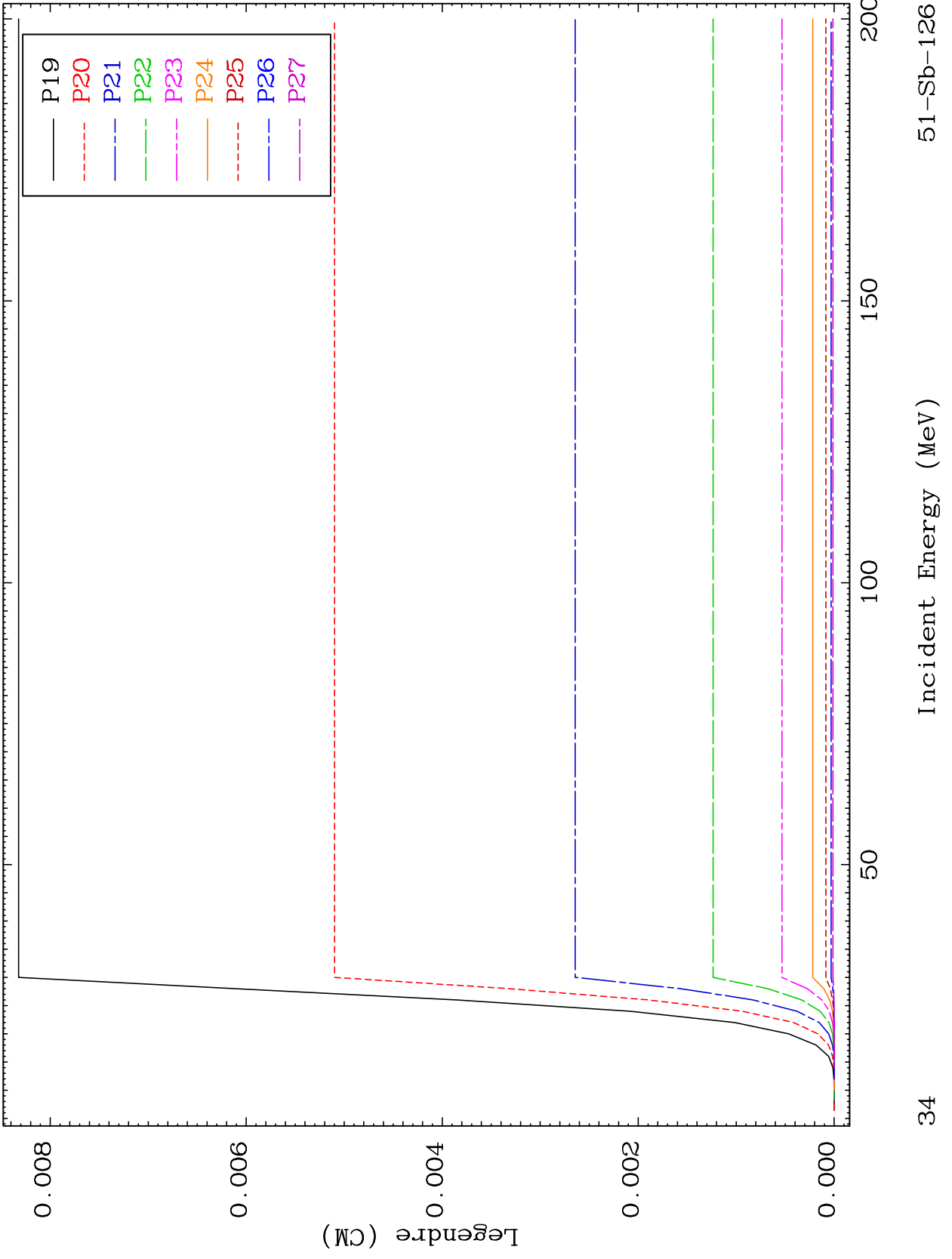
51-Sb-126



MAT 5140

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

51-Sb-126



34

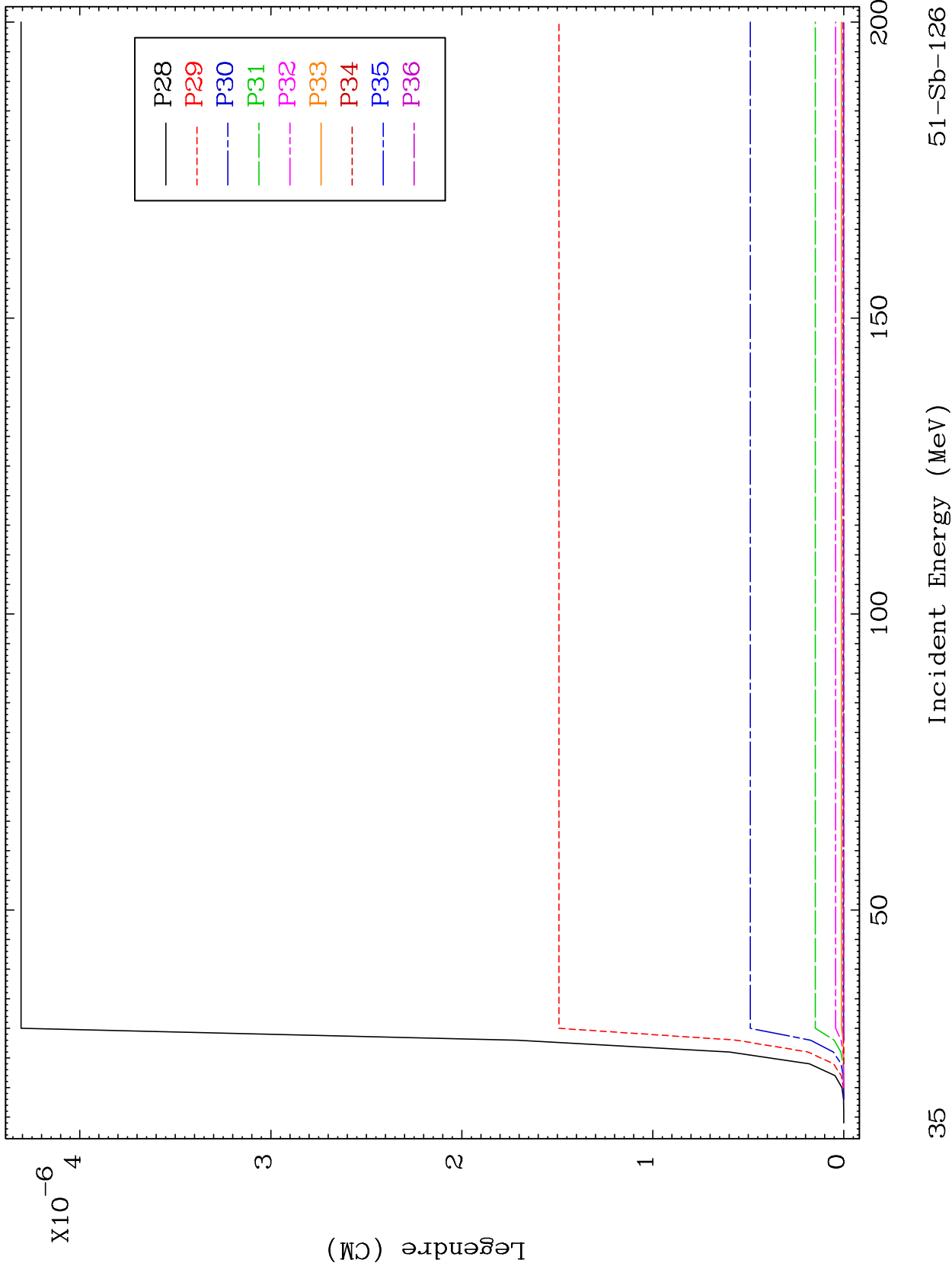
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



35

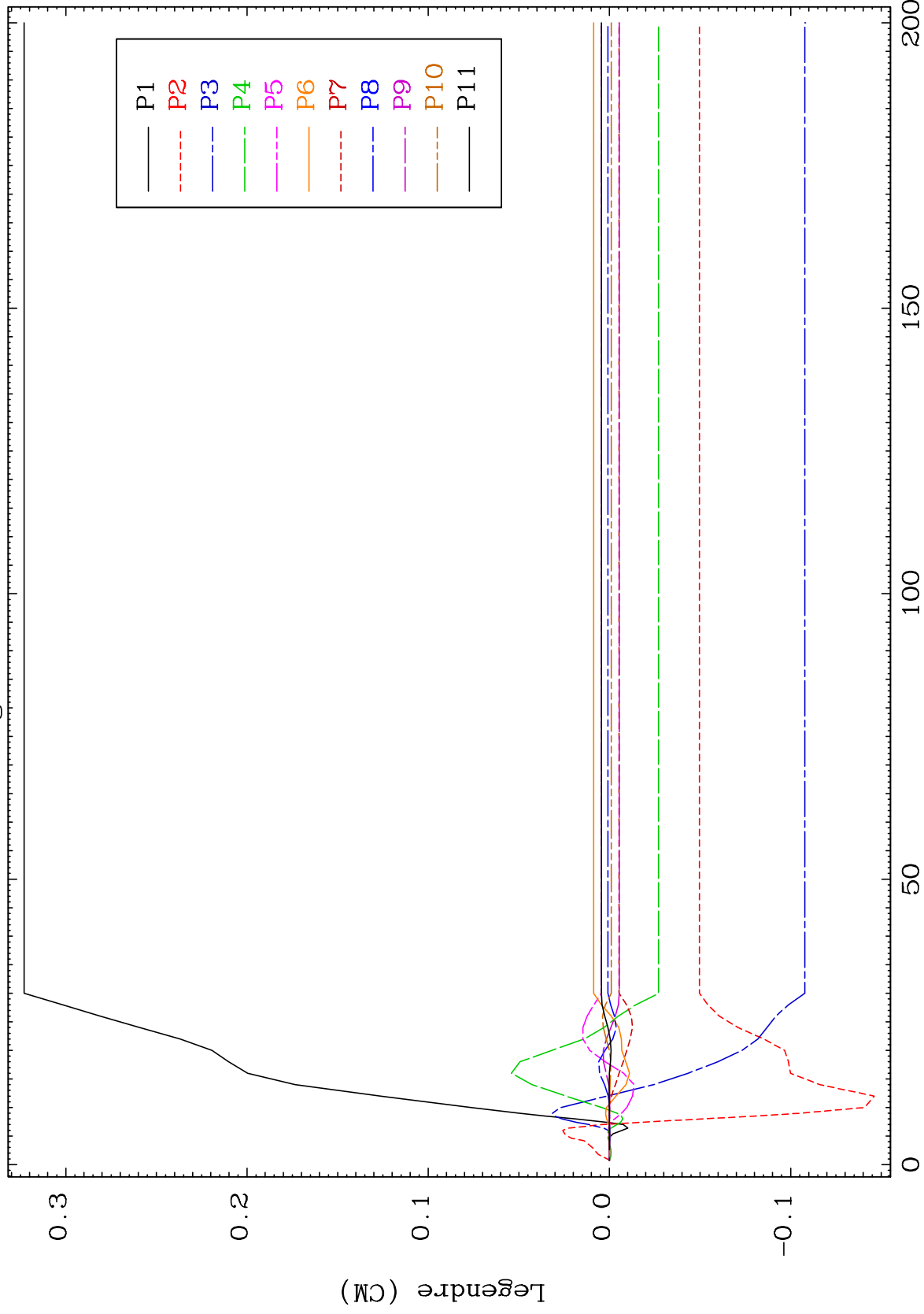
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



36

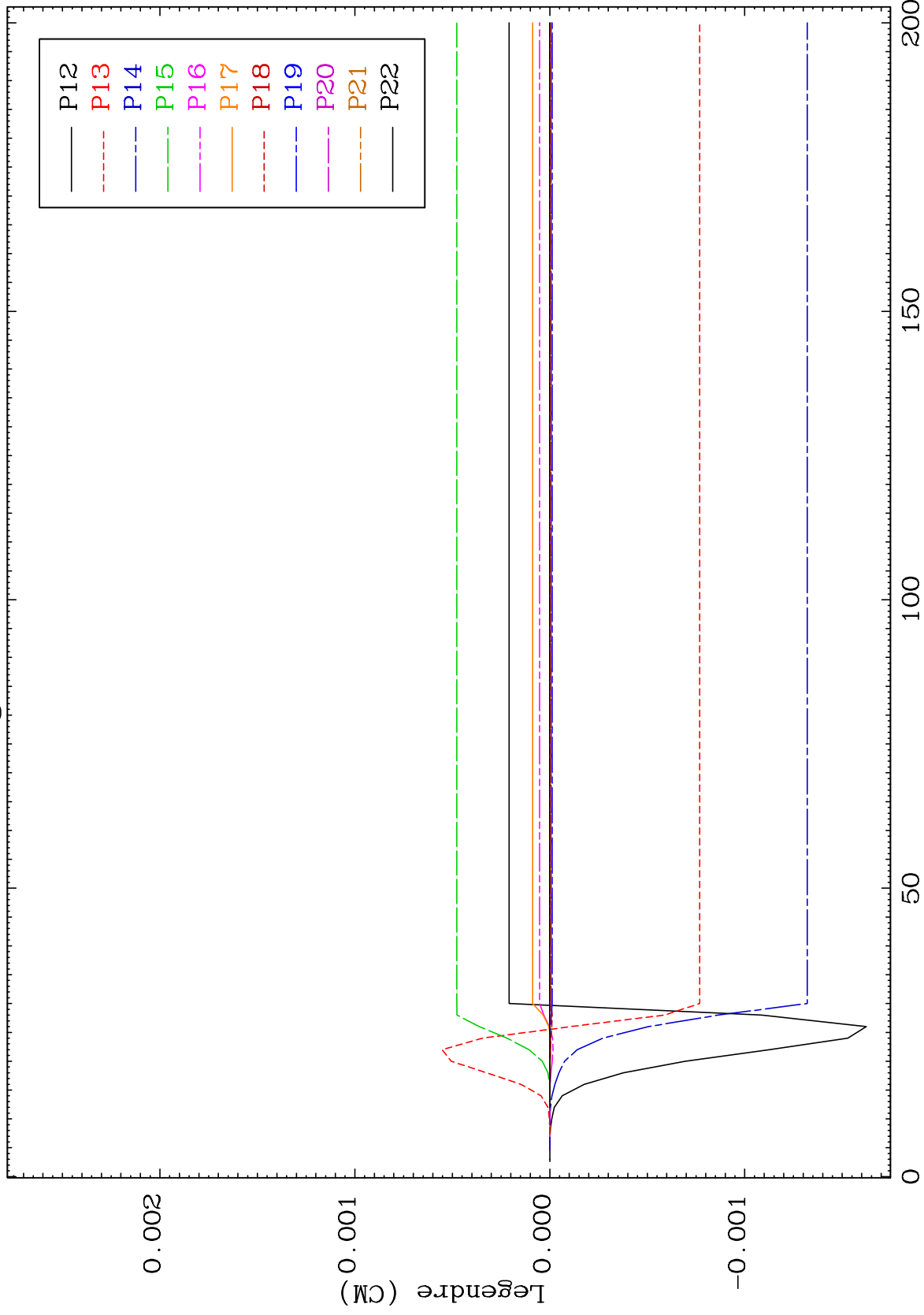
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



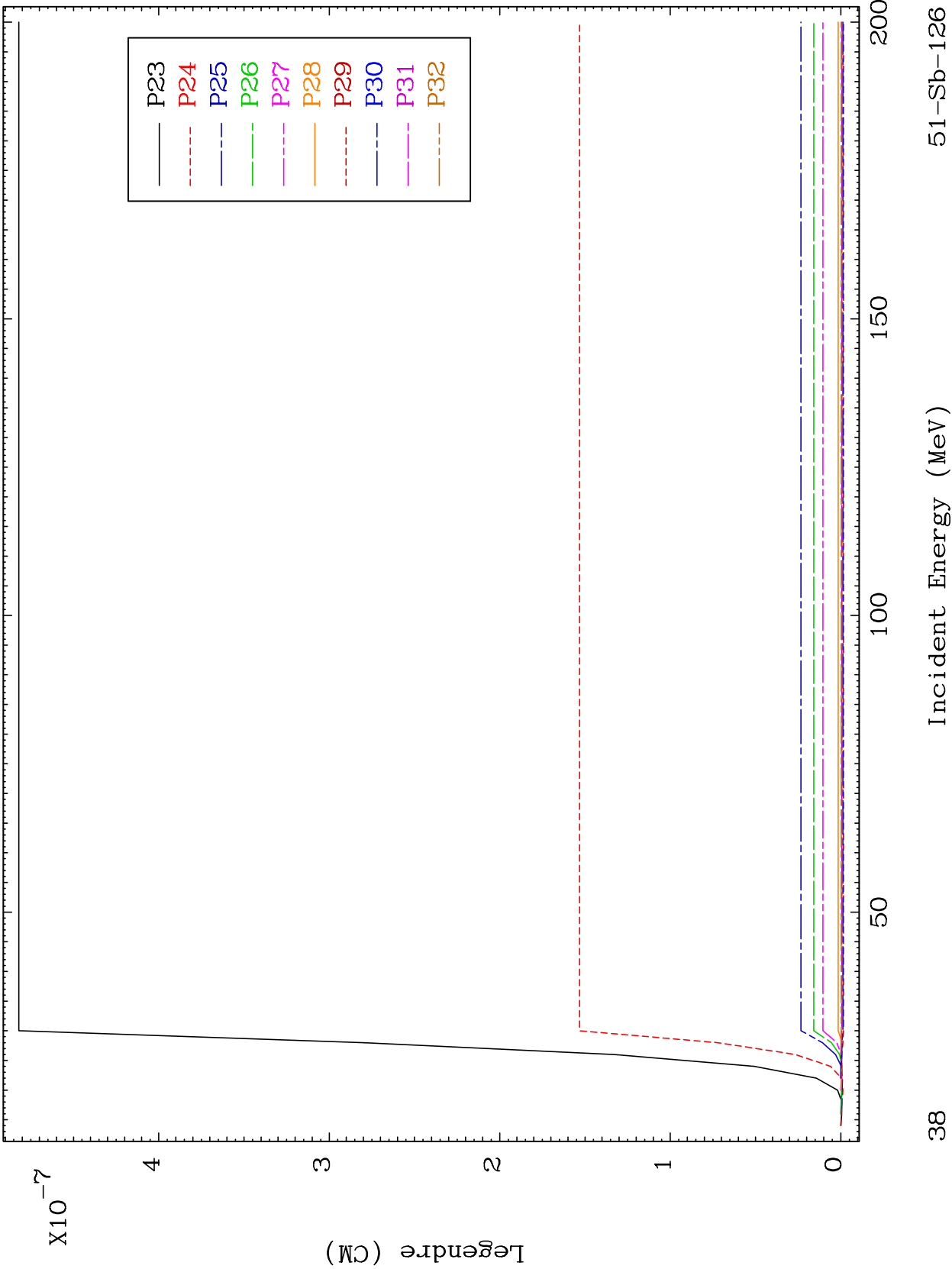
37

51-Sb-126

MAT 5140

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

51-Sb-126



38

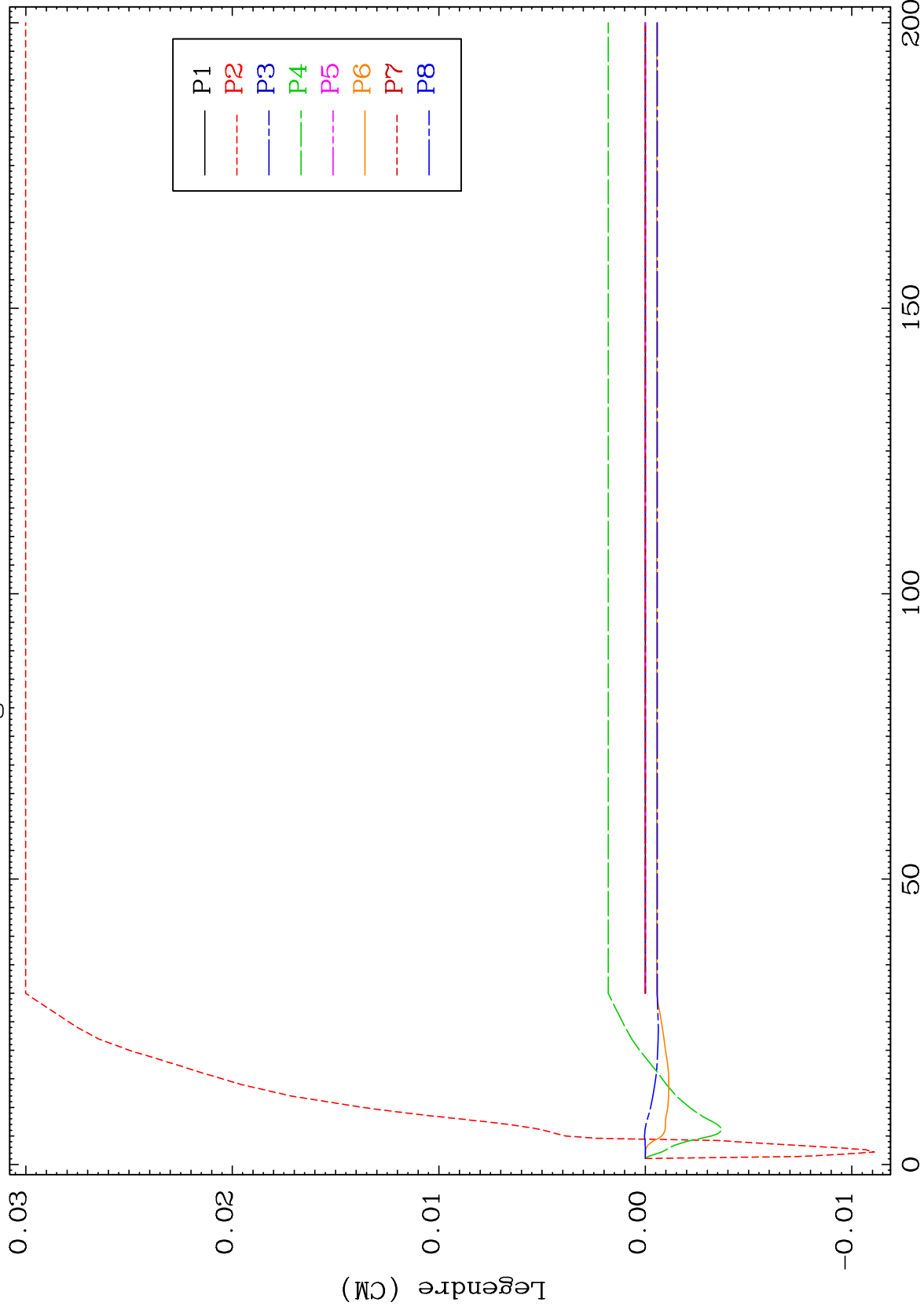
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



39

Incident Energy (MeV)

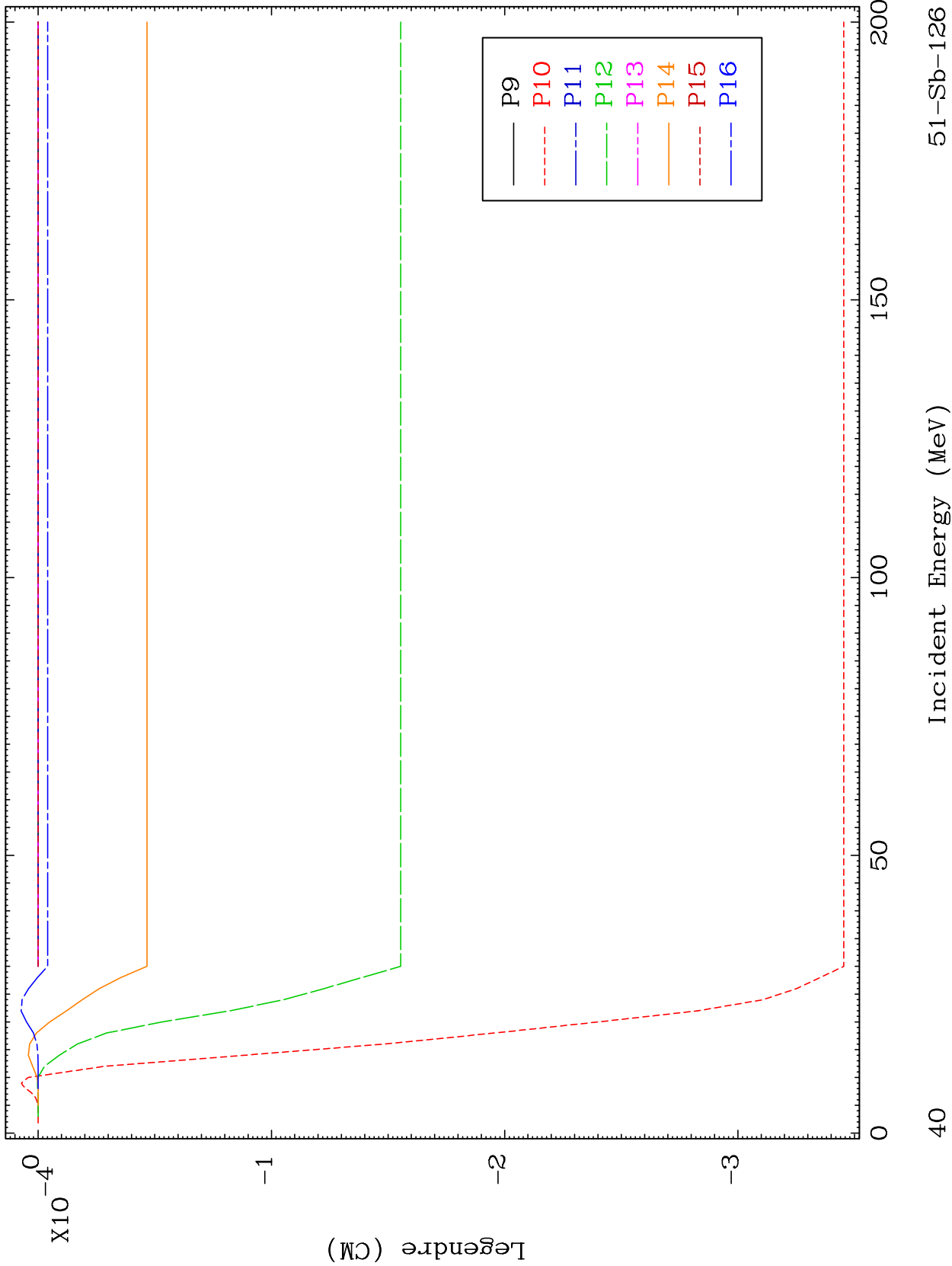
51-Sb-126

MAT 5140

MT= 57 (n,n') Level

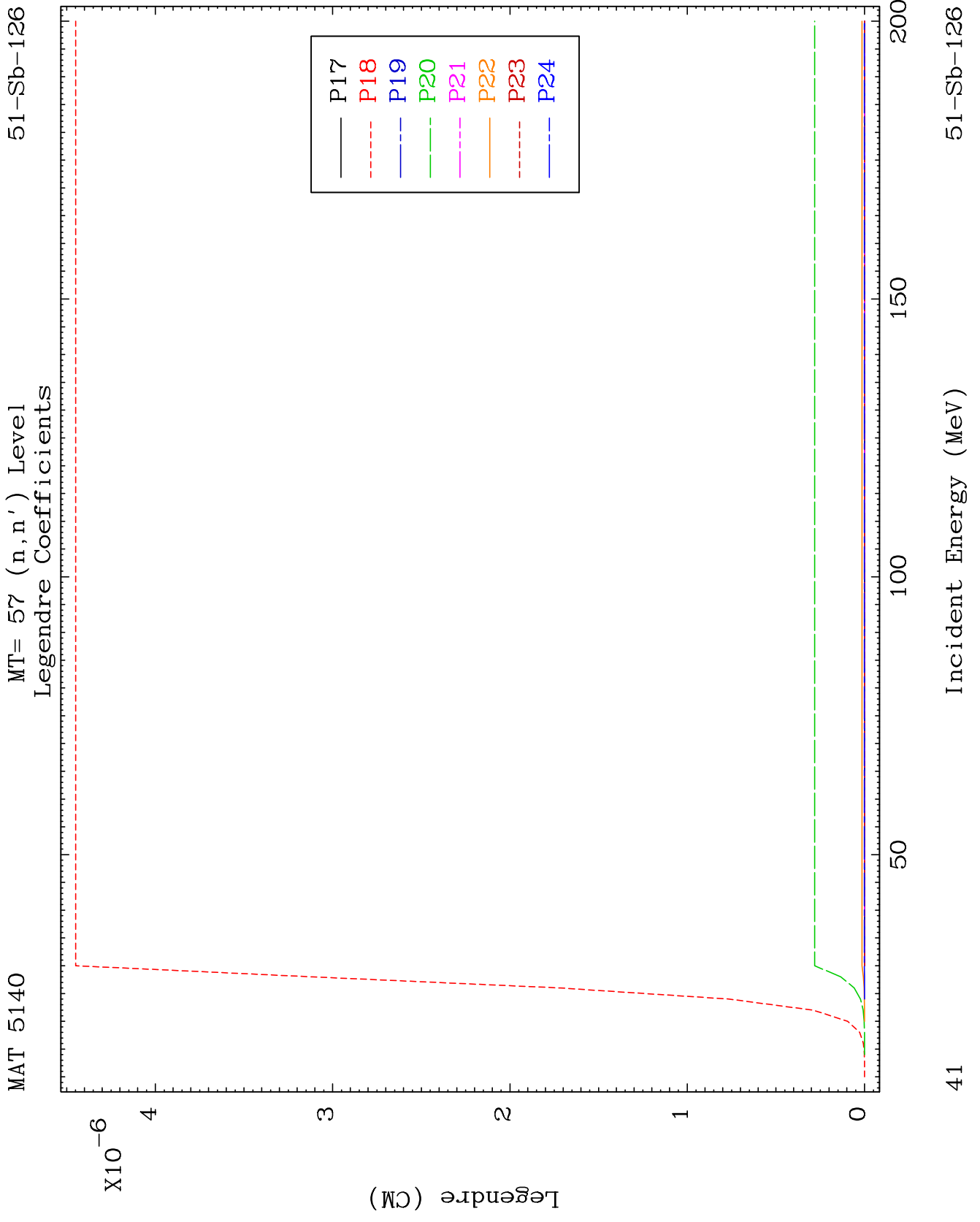
51-Sb-126

Legendre Coefficients



51-Sb-126

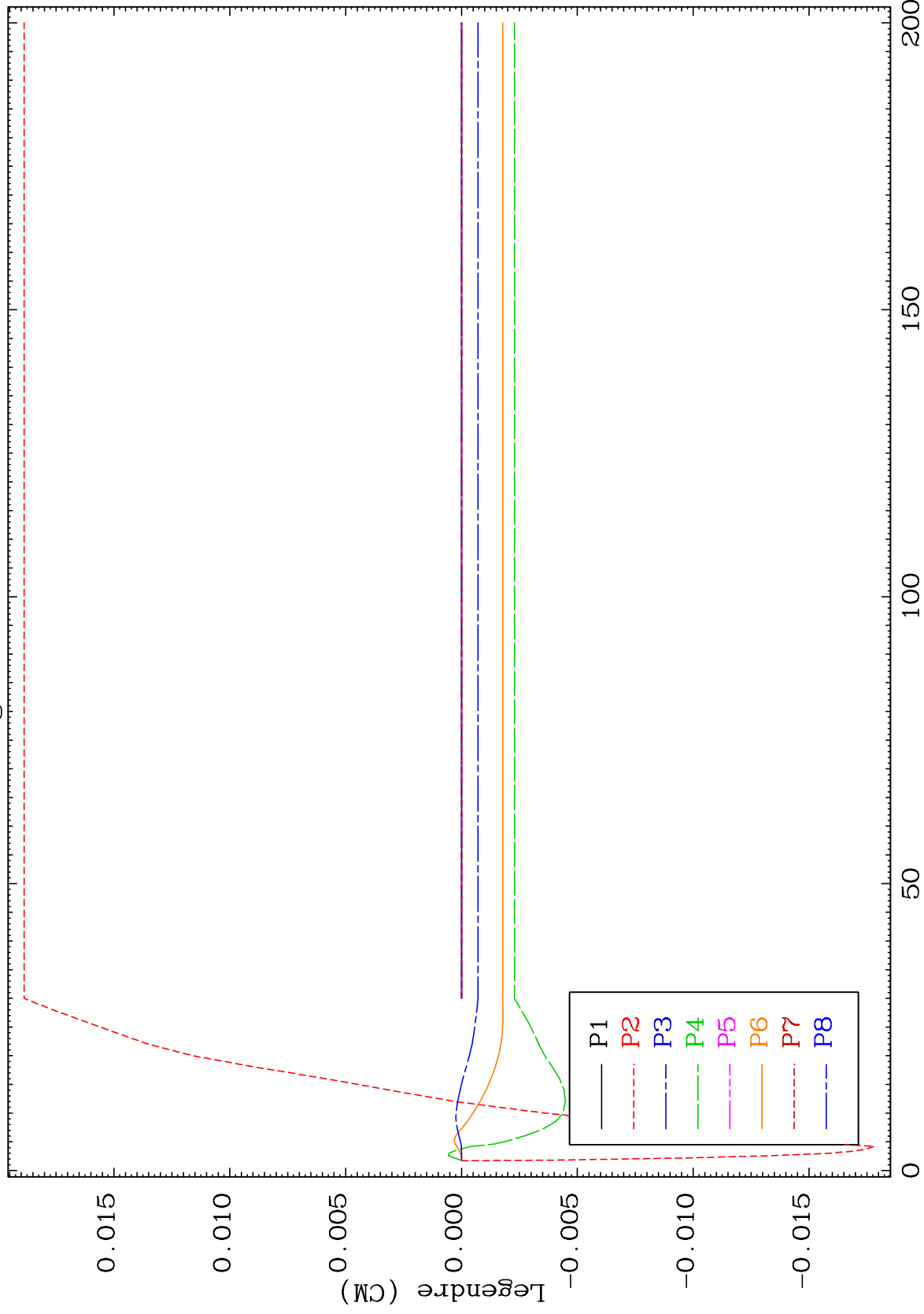
Incident Energy (MeV)



MAT 5140

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

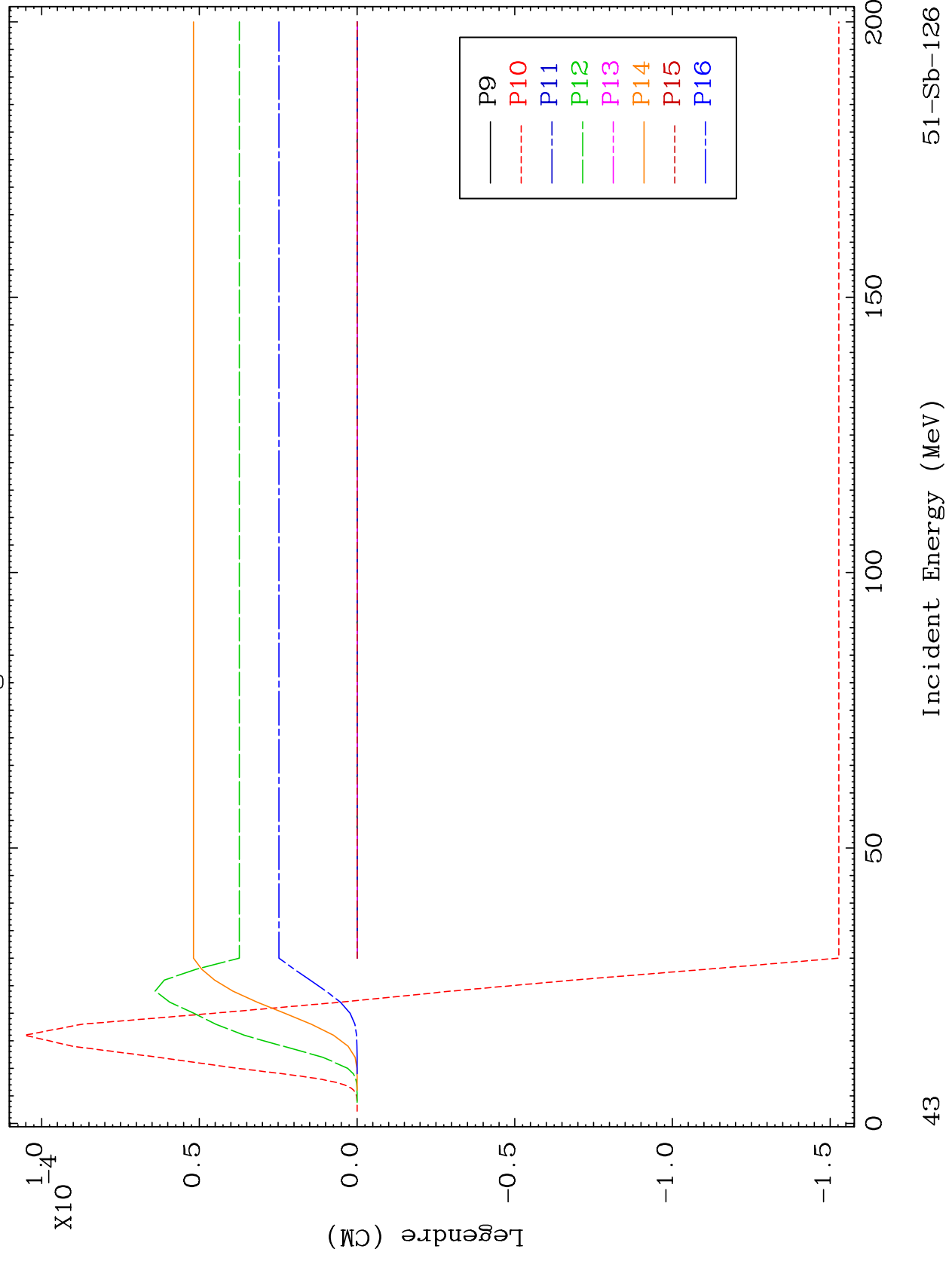
51-Sb-126



42

Incident Energy (MeV)

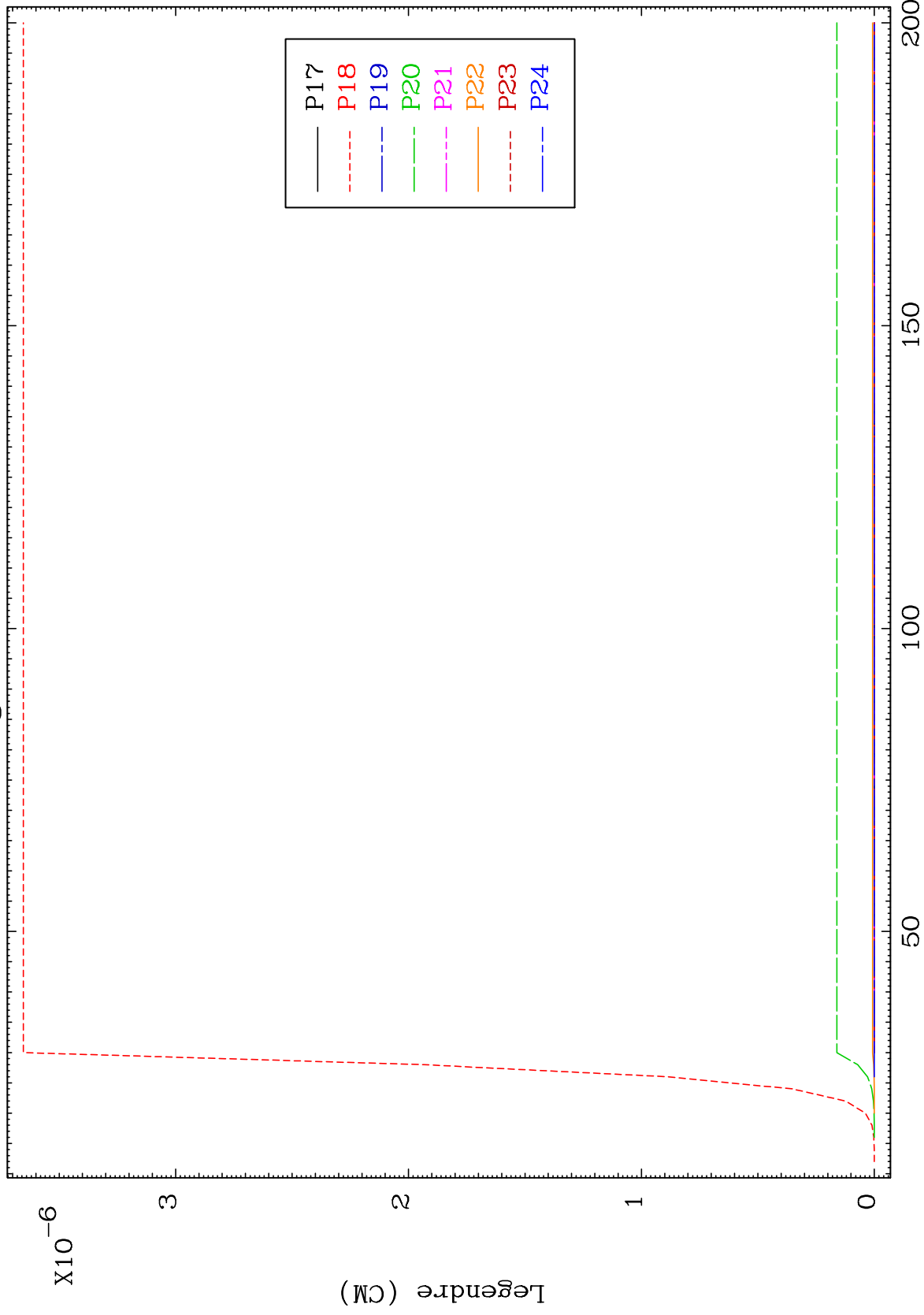
51-Sb-126



MAT 5140

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

51-Sb-126



44

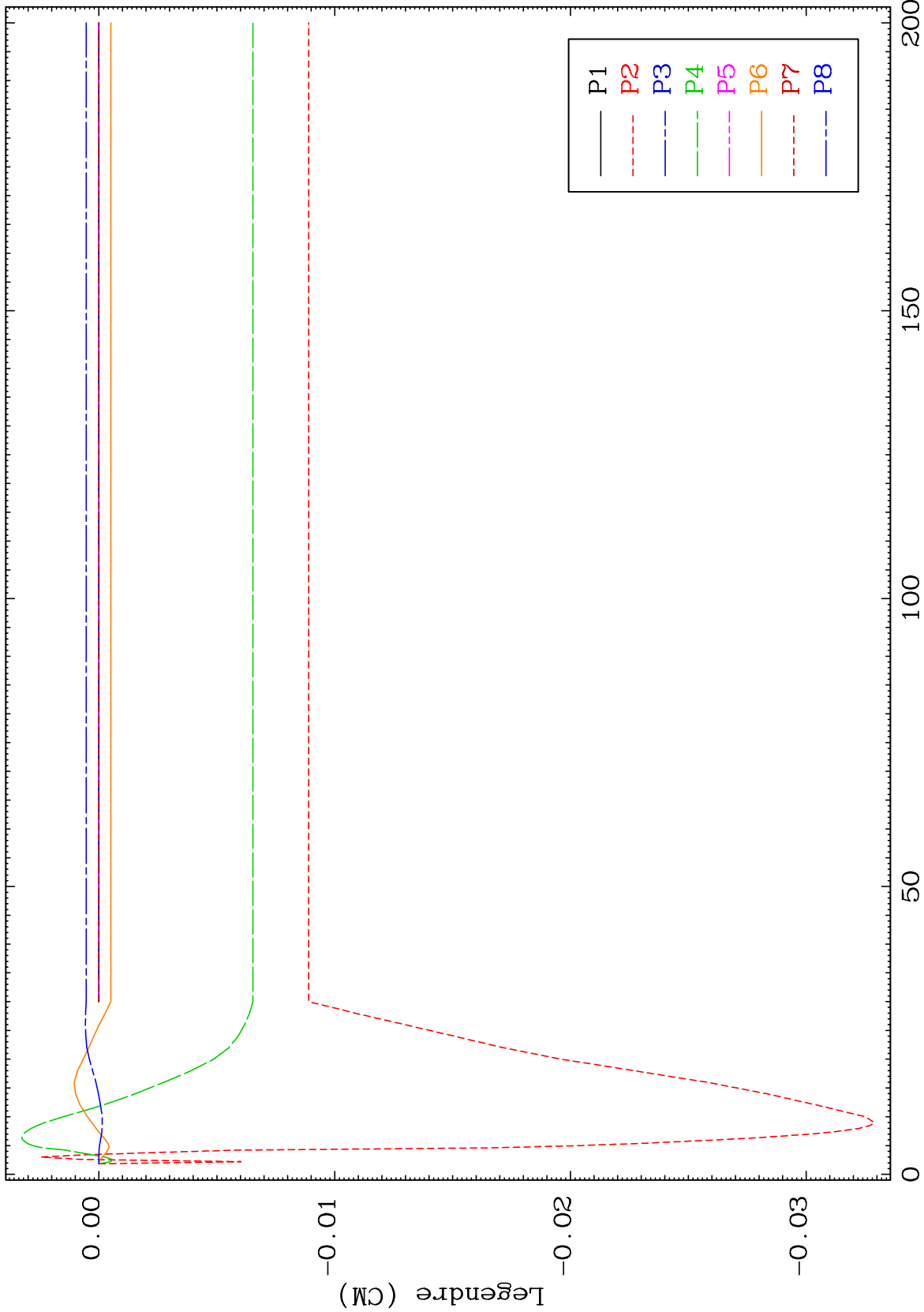
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



51-Sb-126

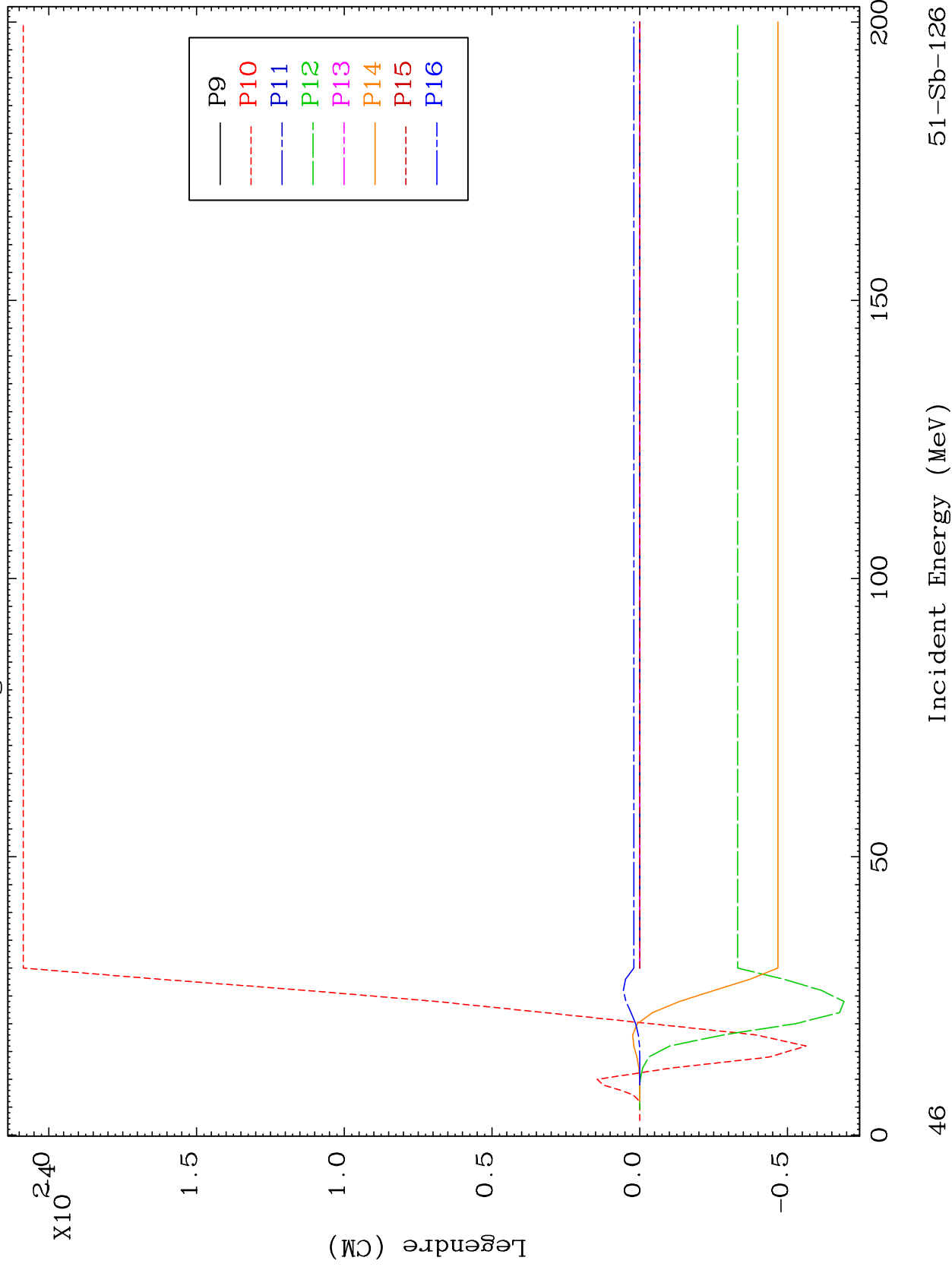
Incident Energy (MeV)

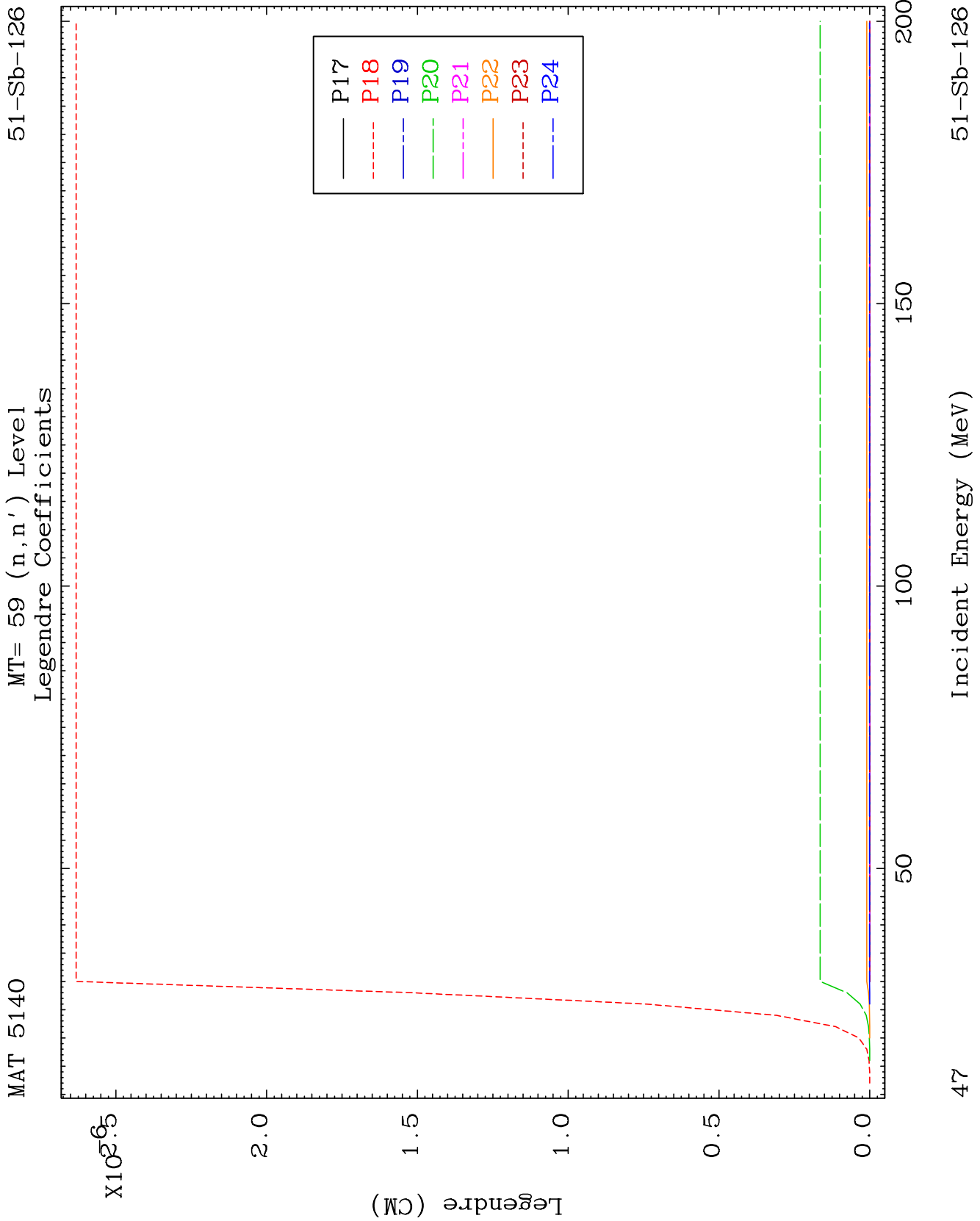
45

MAT 5140

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

51-Sb-126

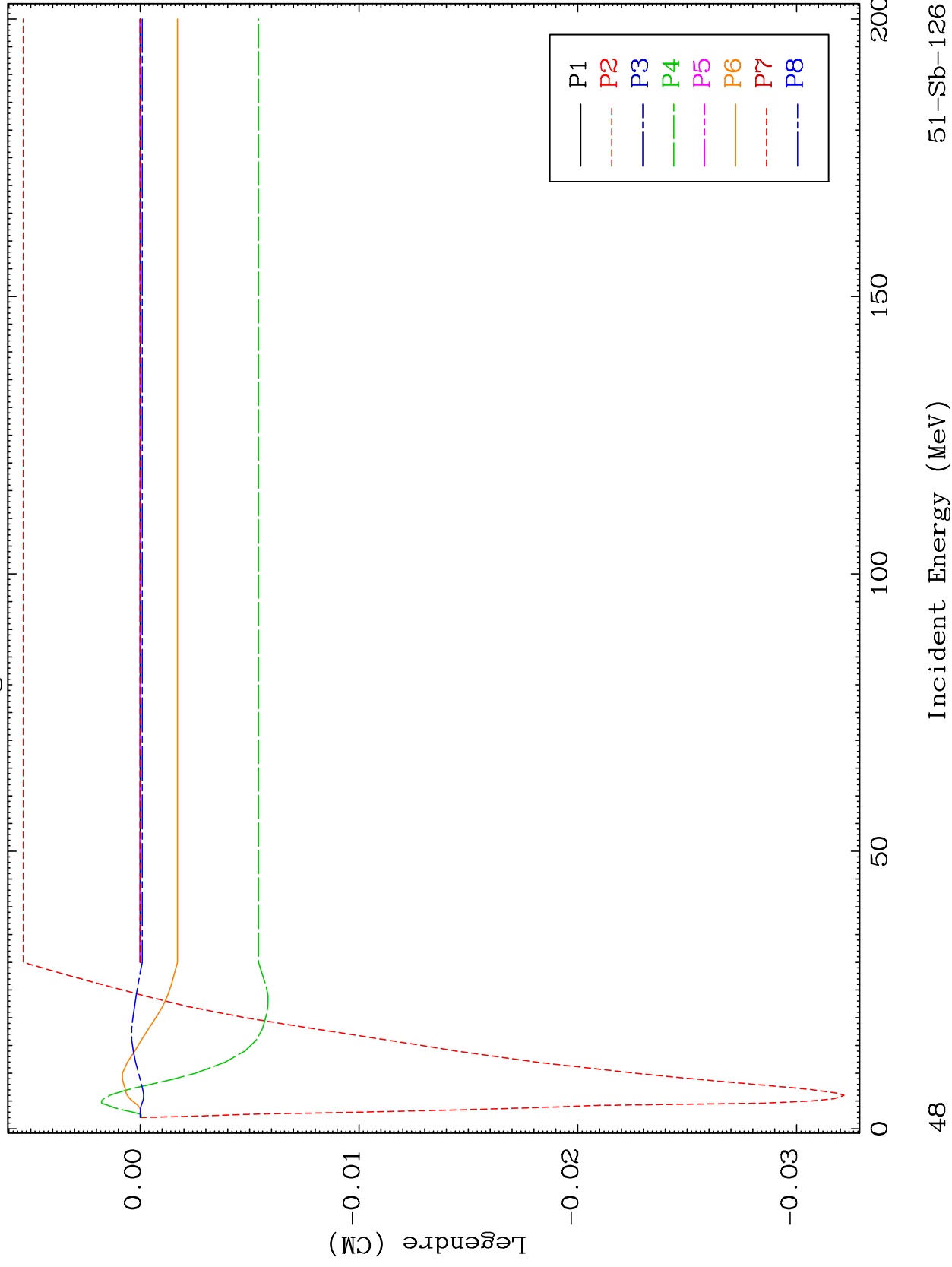




MAT 5140

51-Sb-126

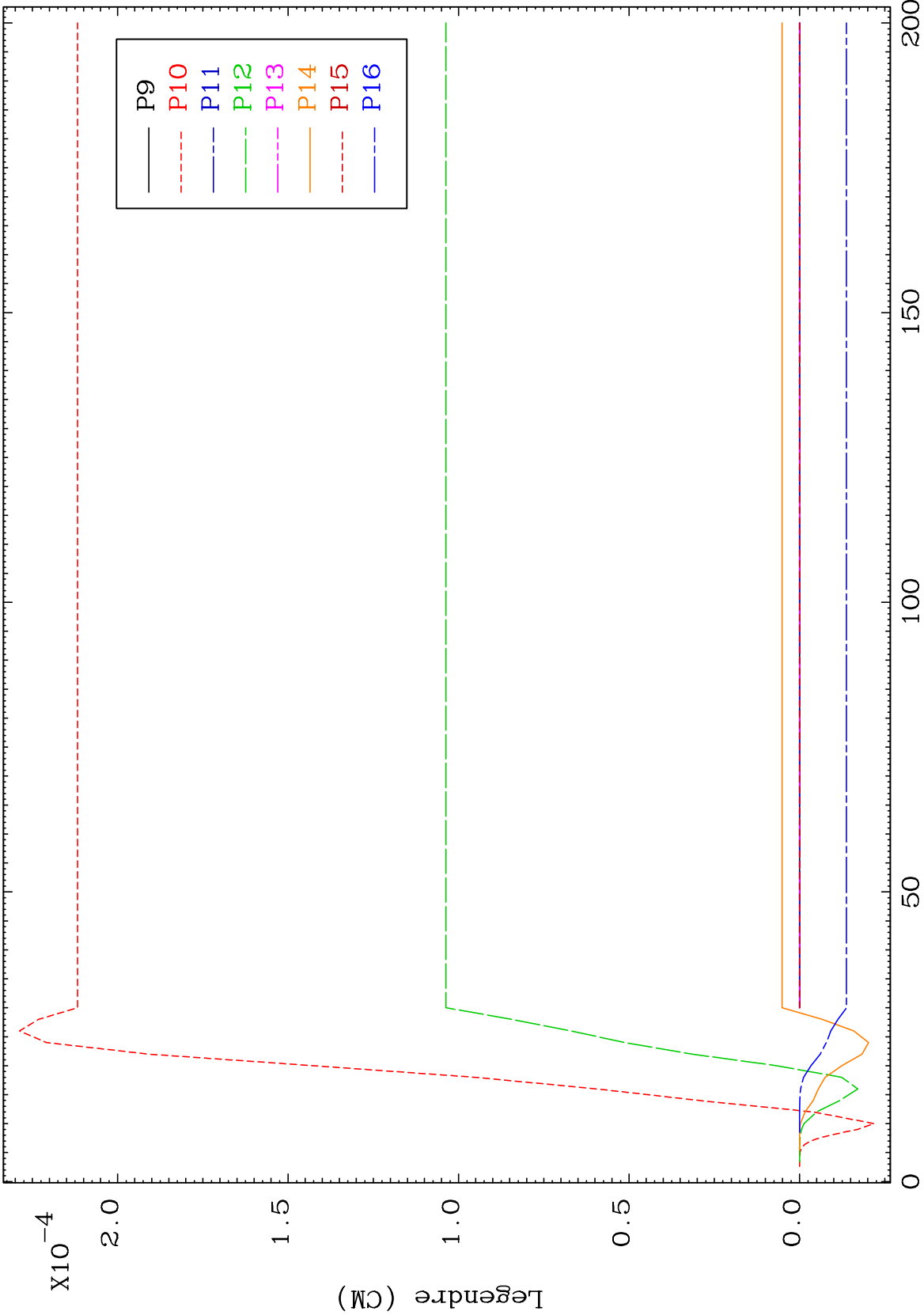
MT= 60 (n,n') Level  
Legendre Coefficients



MAT 5140

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

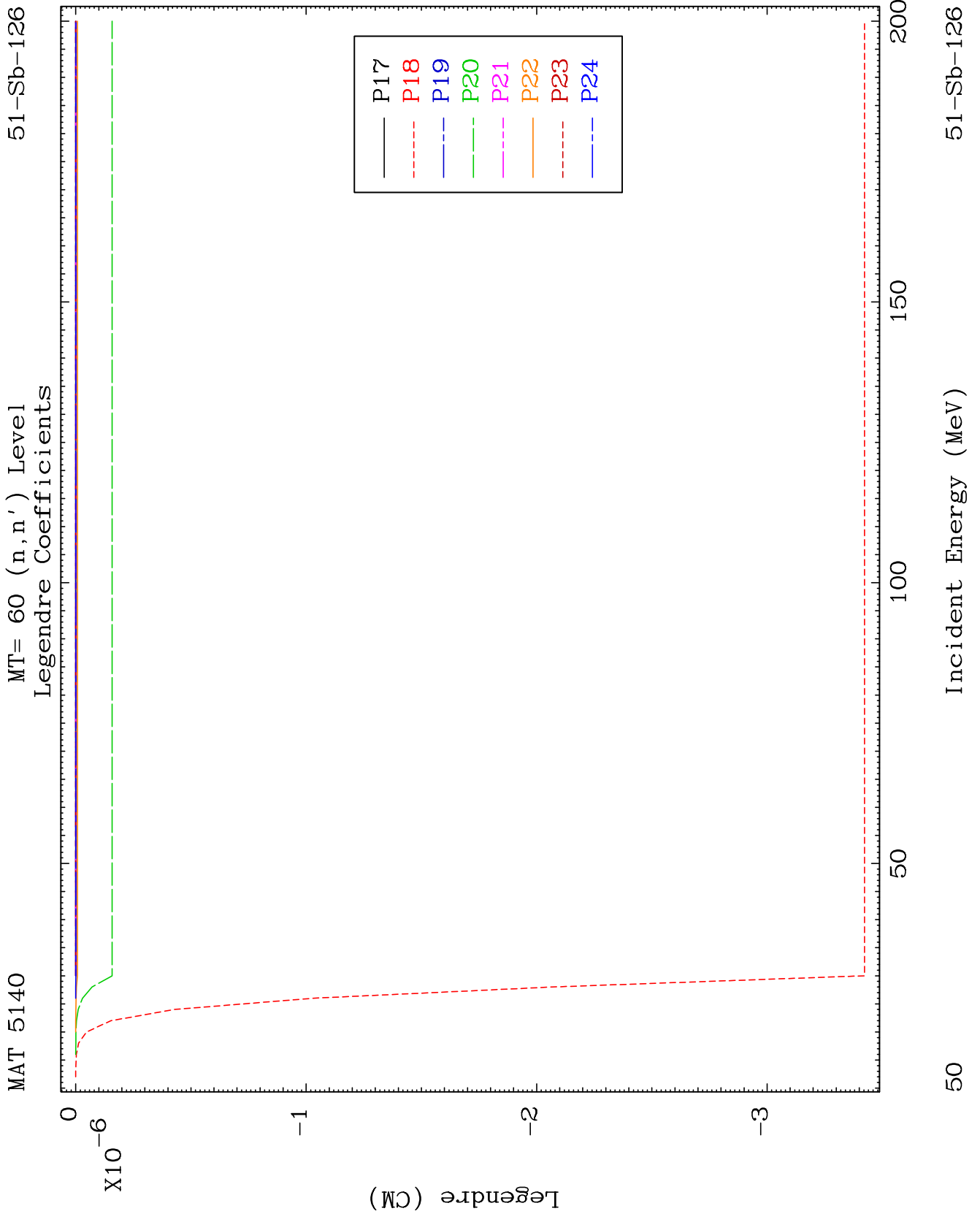
51-Sb-126



49

Incident Energy (MeV)

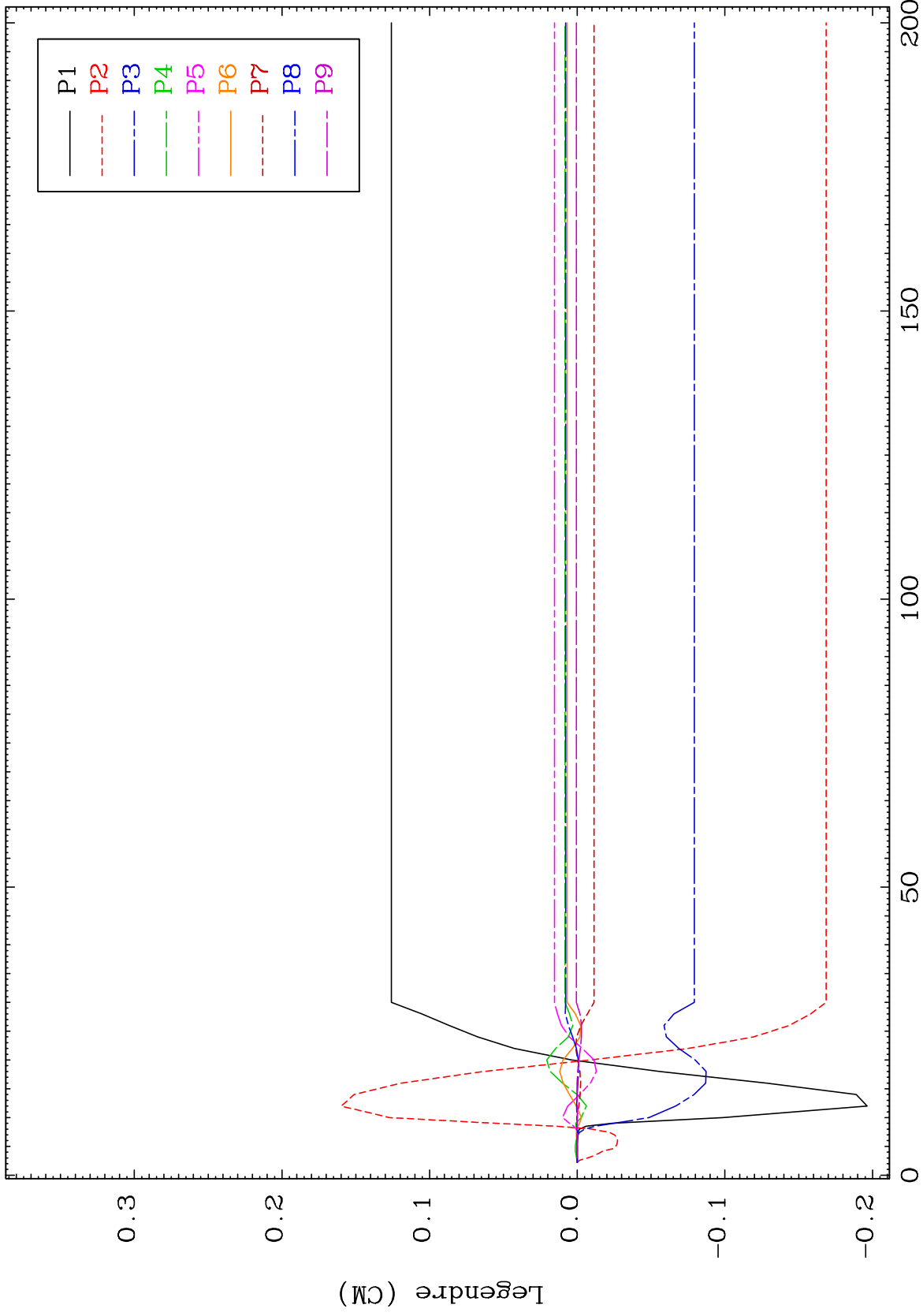
51-Sb-126



MAT 5140

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

51-Sb-126



51

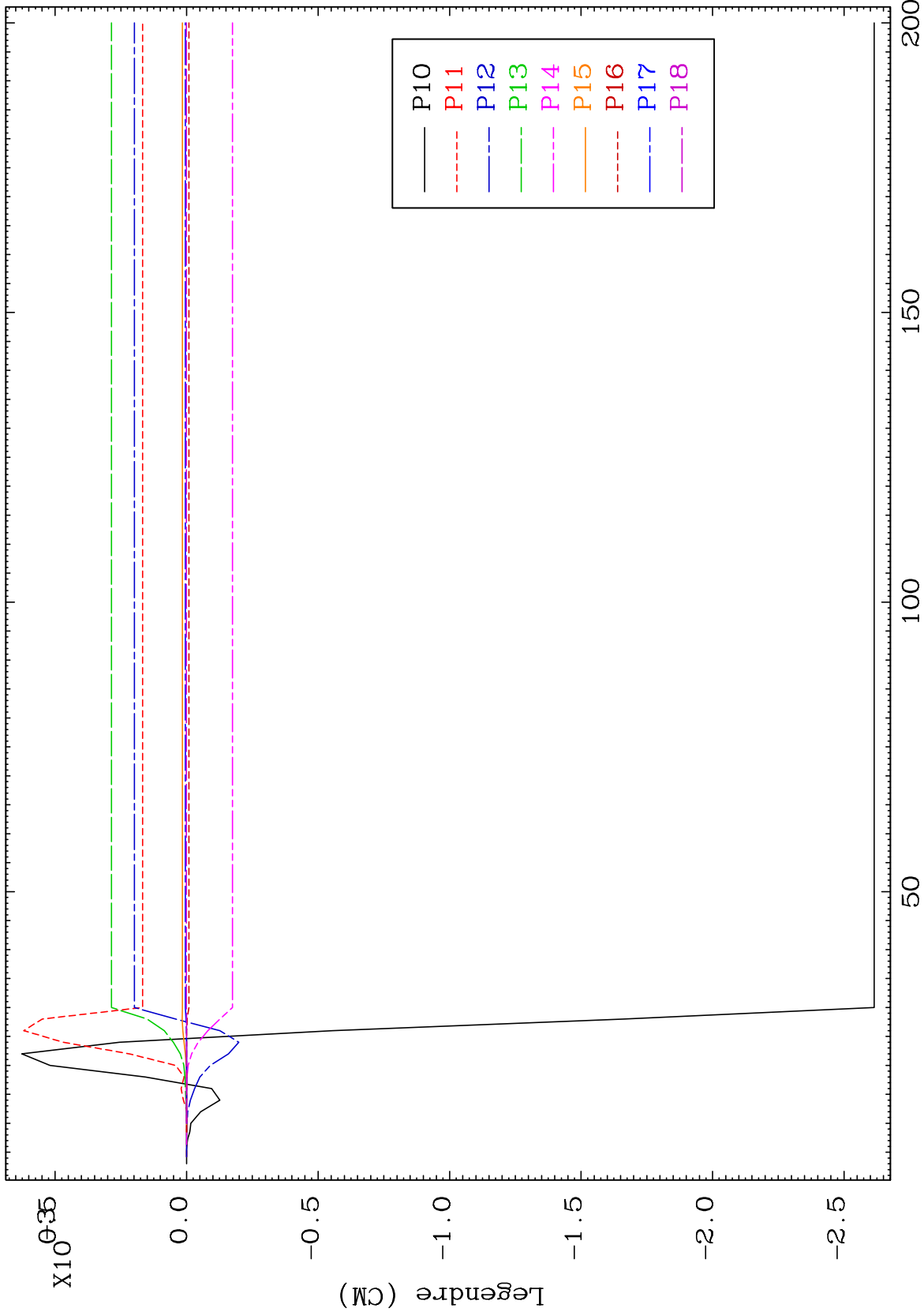
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



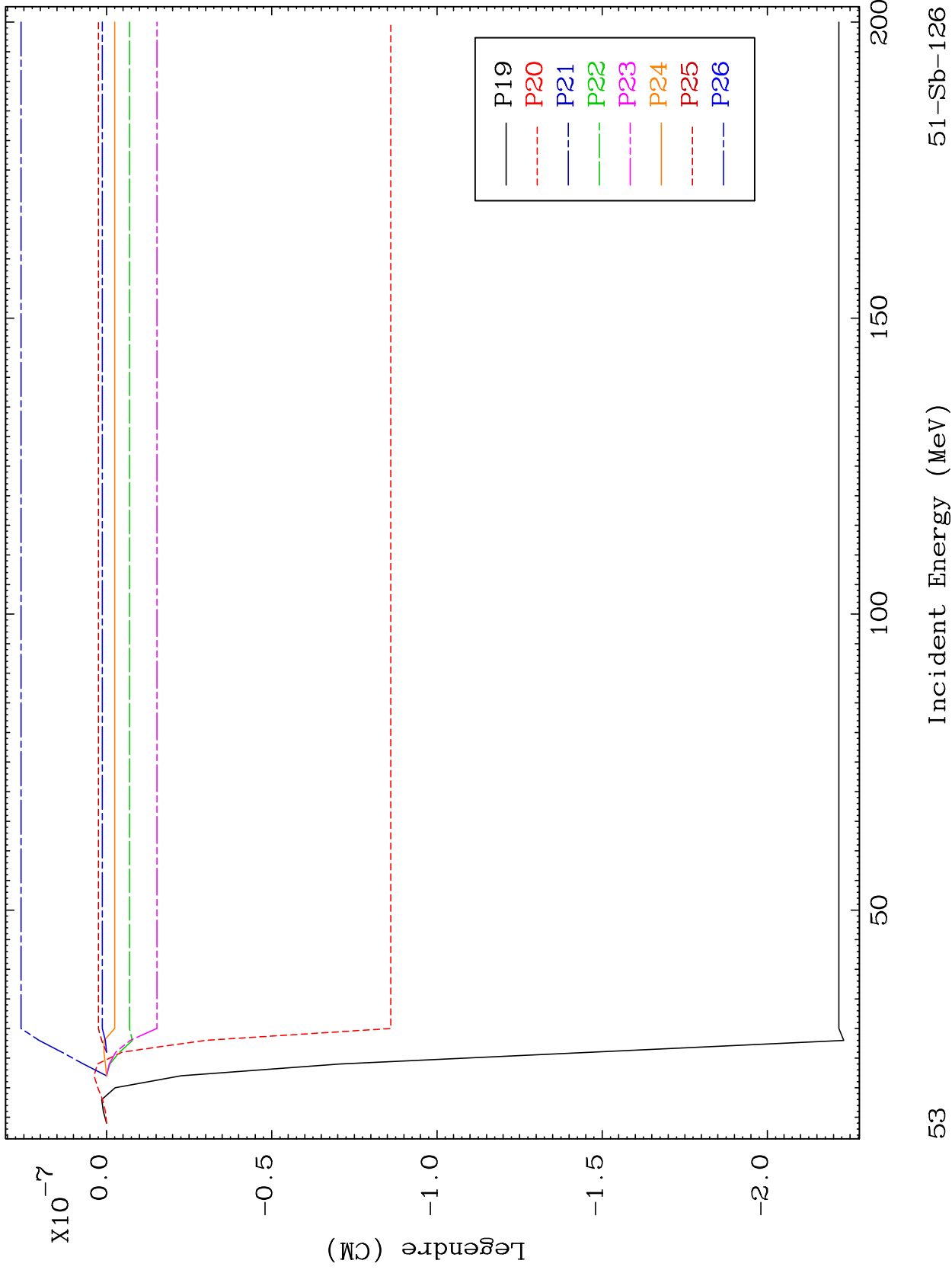
52

51-Sb-126

MAT 5140

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

51-Sb-126



53

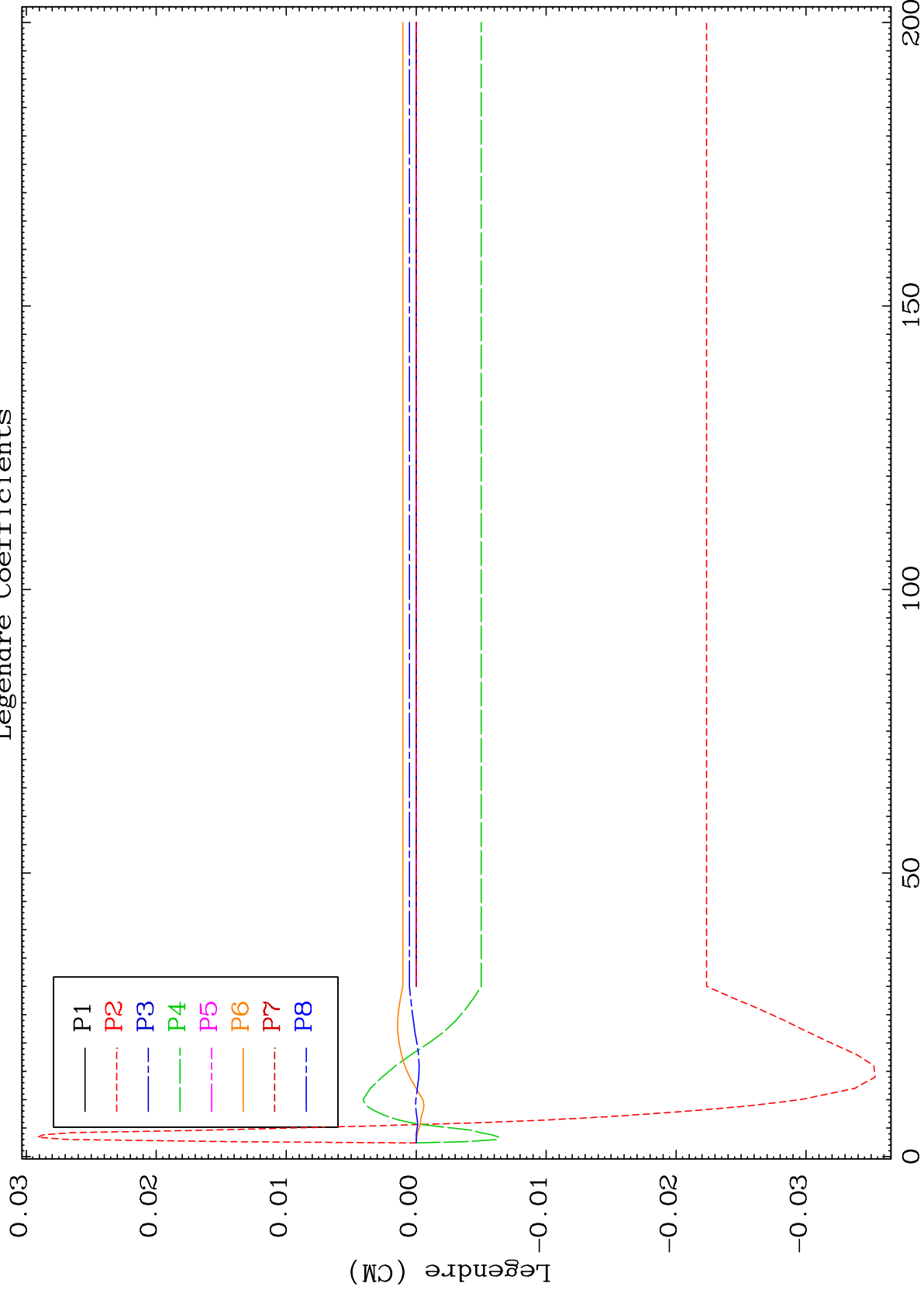
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



54

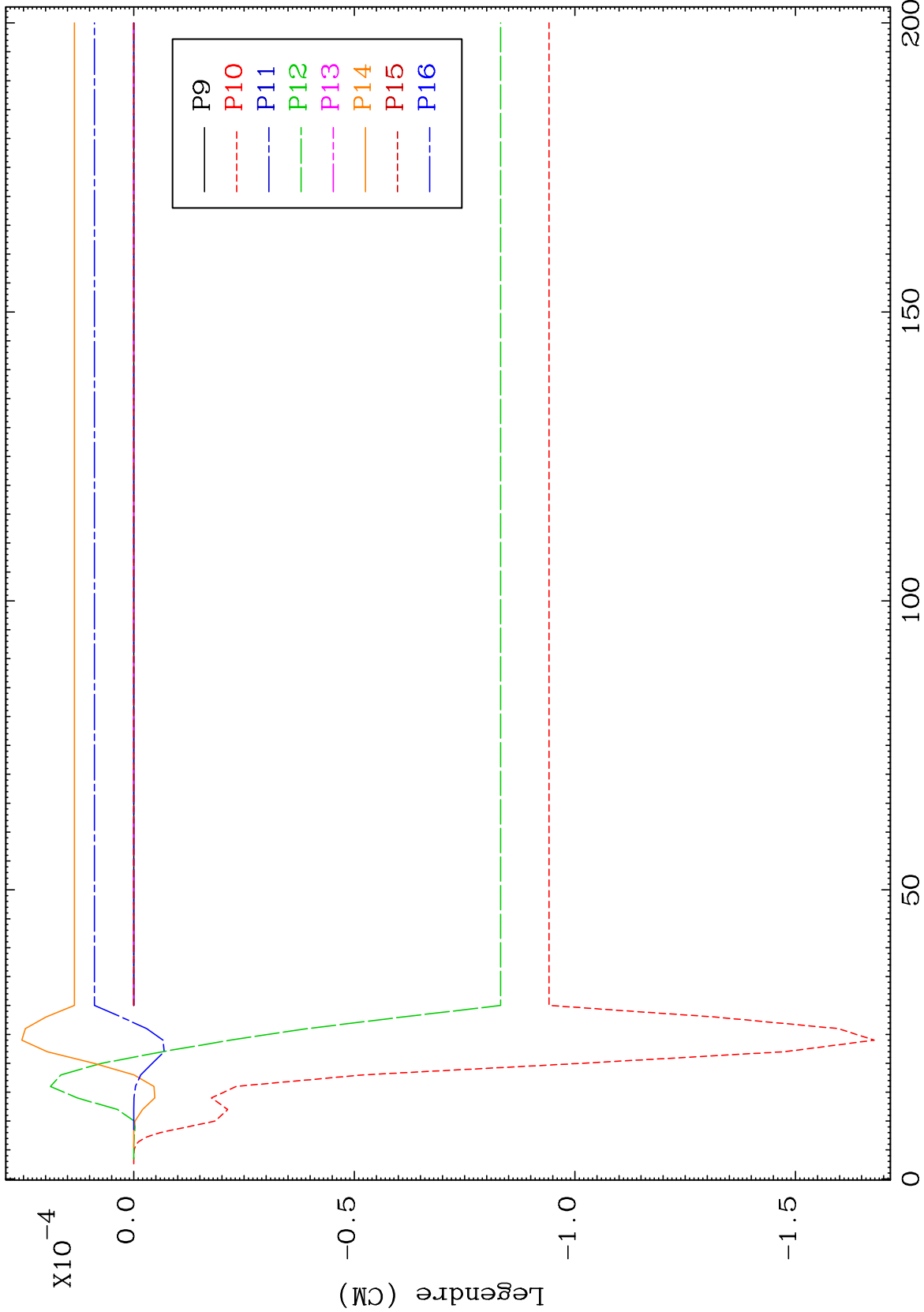
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

51-Sb-126



55

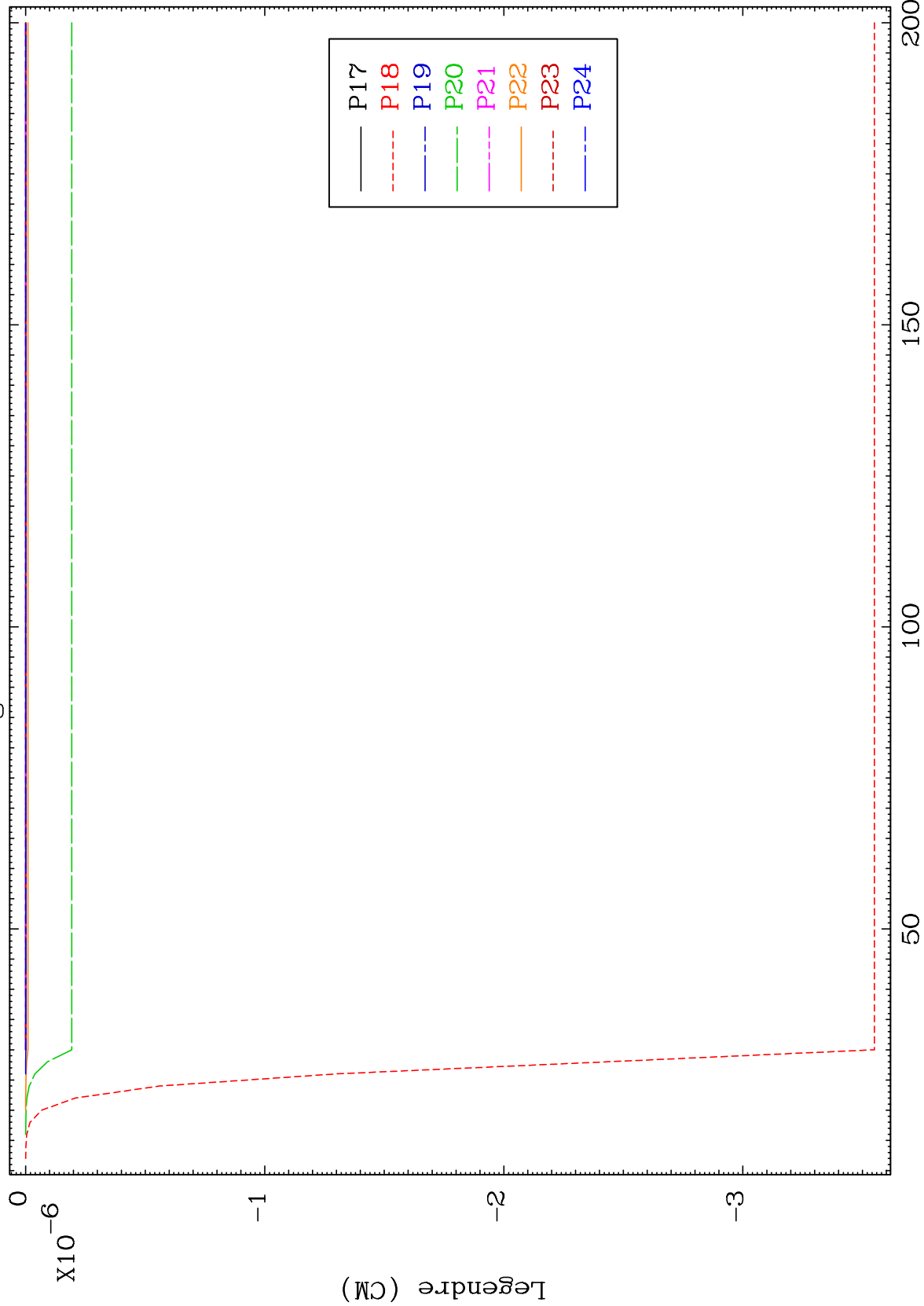
Incident Energy (MeV)

51-Sb-126

MAT 5140

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

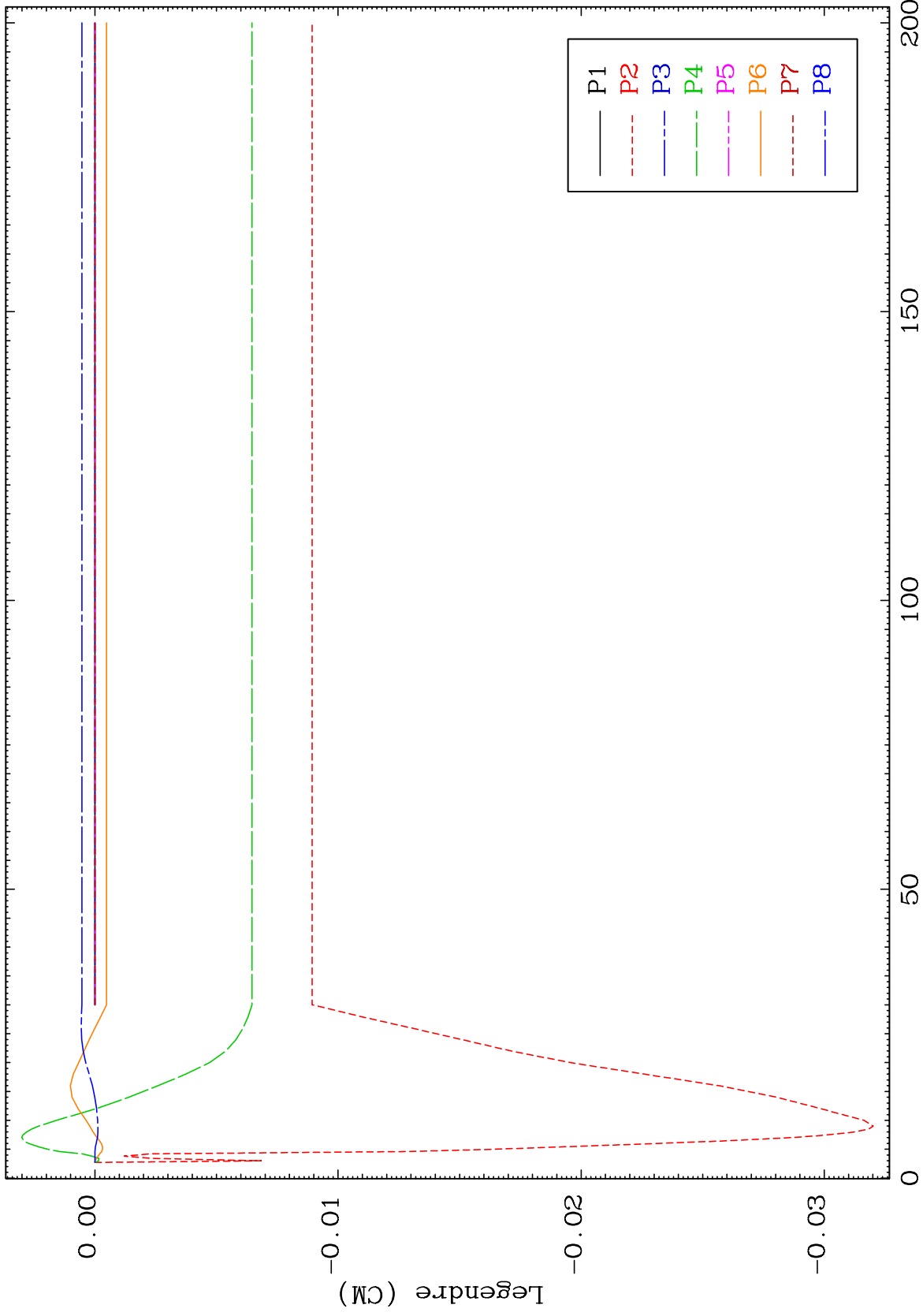
51-Sb-126

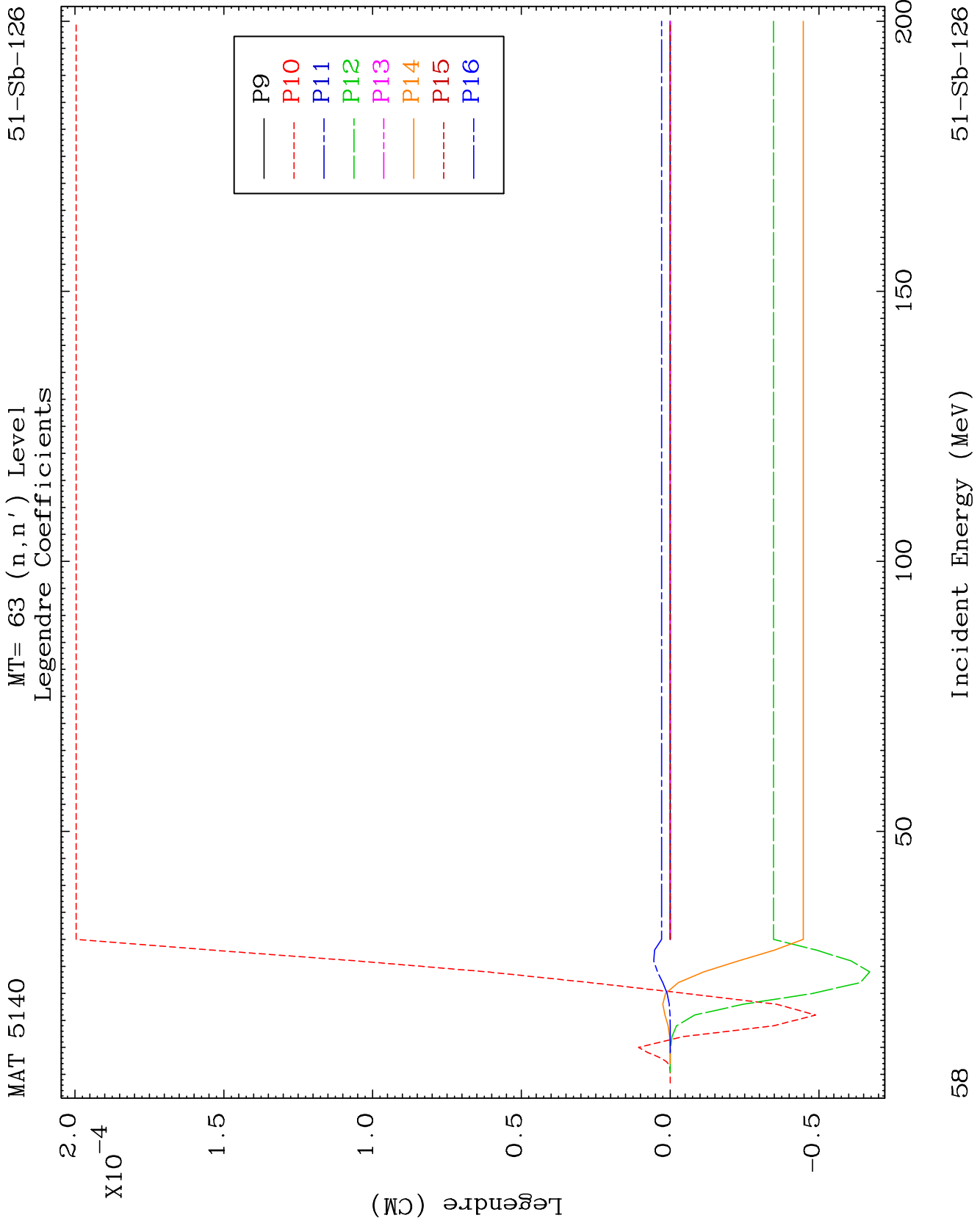


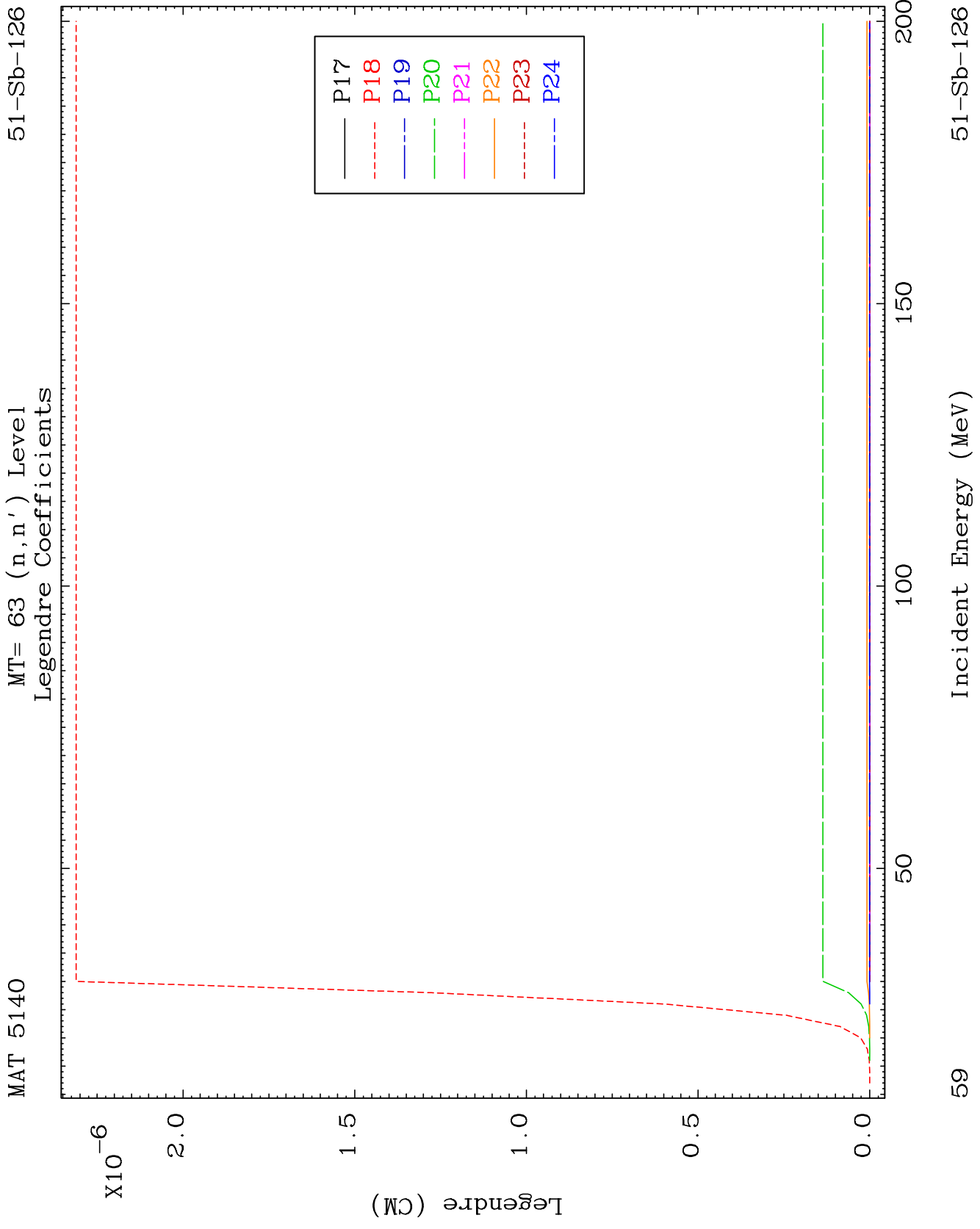
51-Sb-126

Incident Energy (MeV)

56



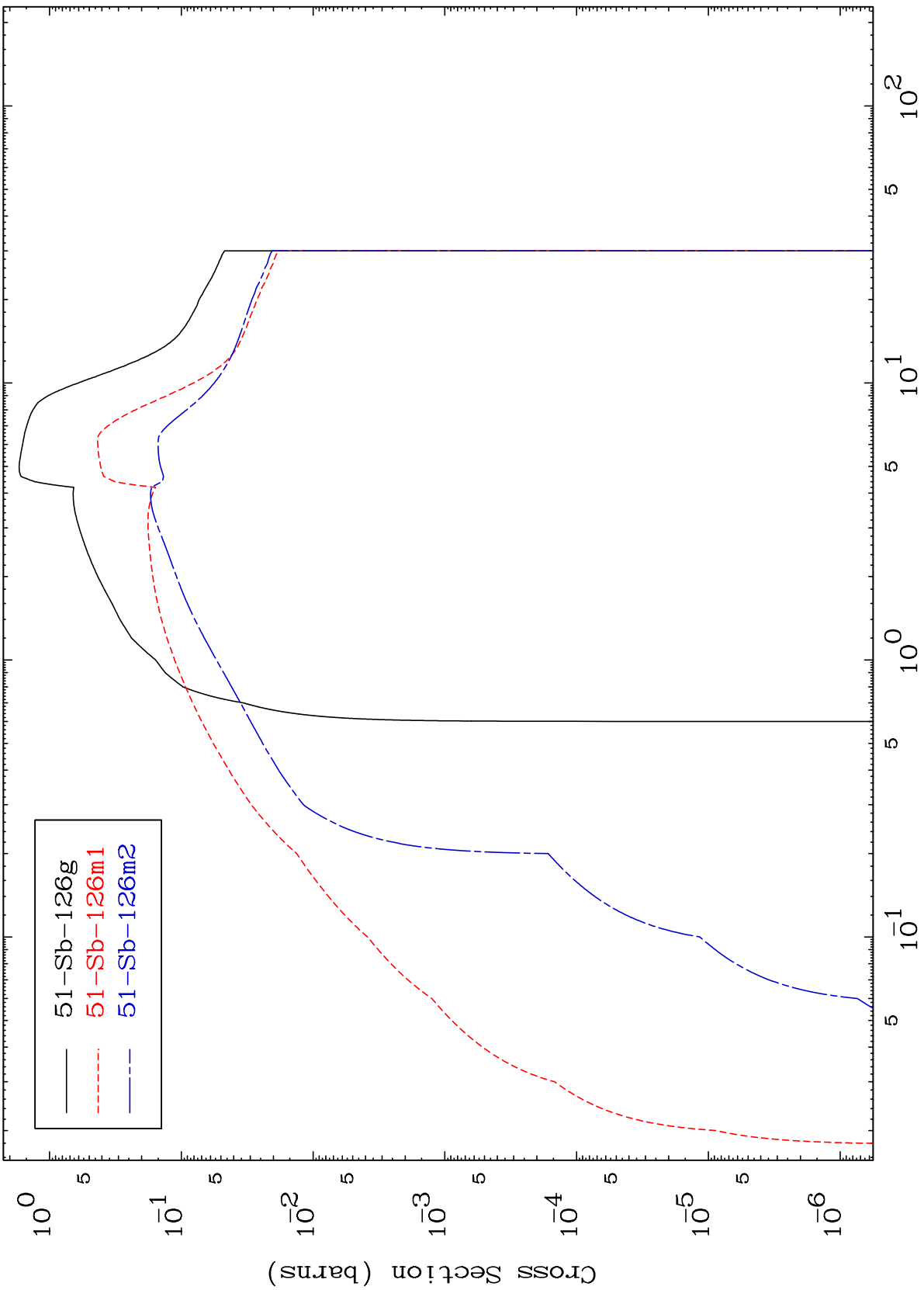




MAT 5140

51-Sb-126

Radionuclide Production Cross Section



51-Sb-126g  
51-Sb-126m1  
51-Sb-126m2

60

51-Sb-126

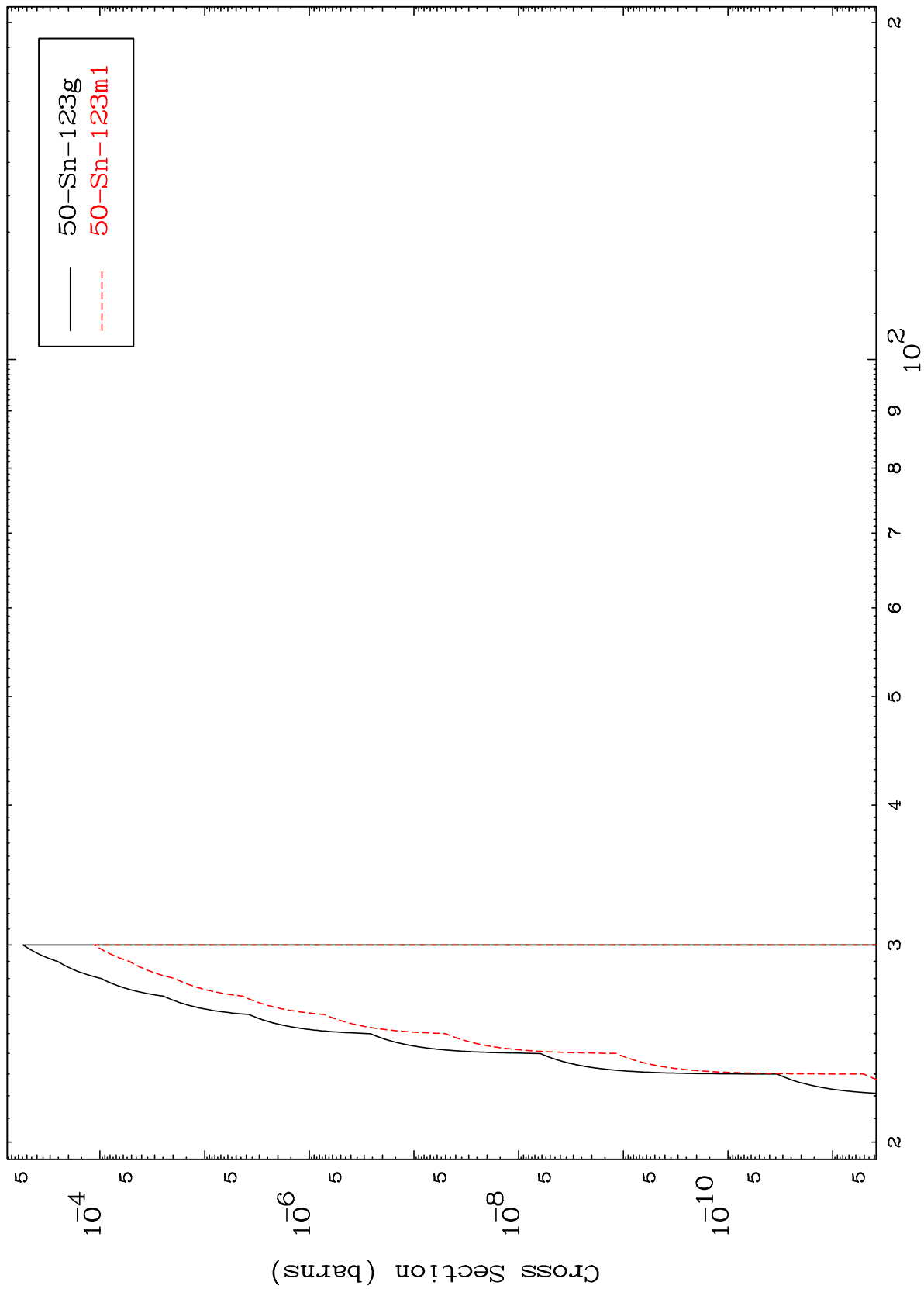
Incident Energy (MeV)

MAT 5140

(n,2n) d

51-Sb-126

Radionuclide Production Cross Section



61

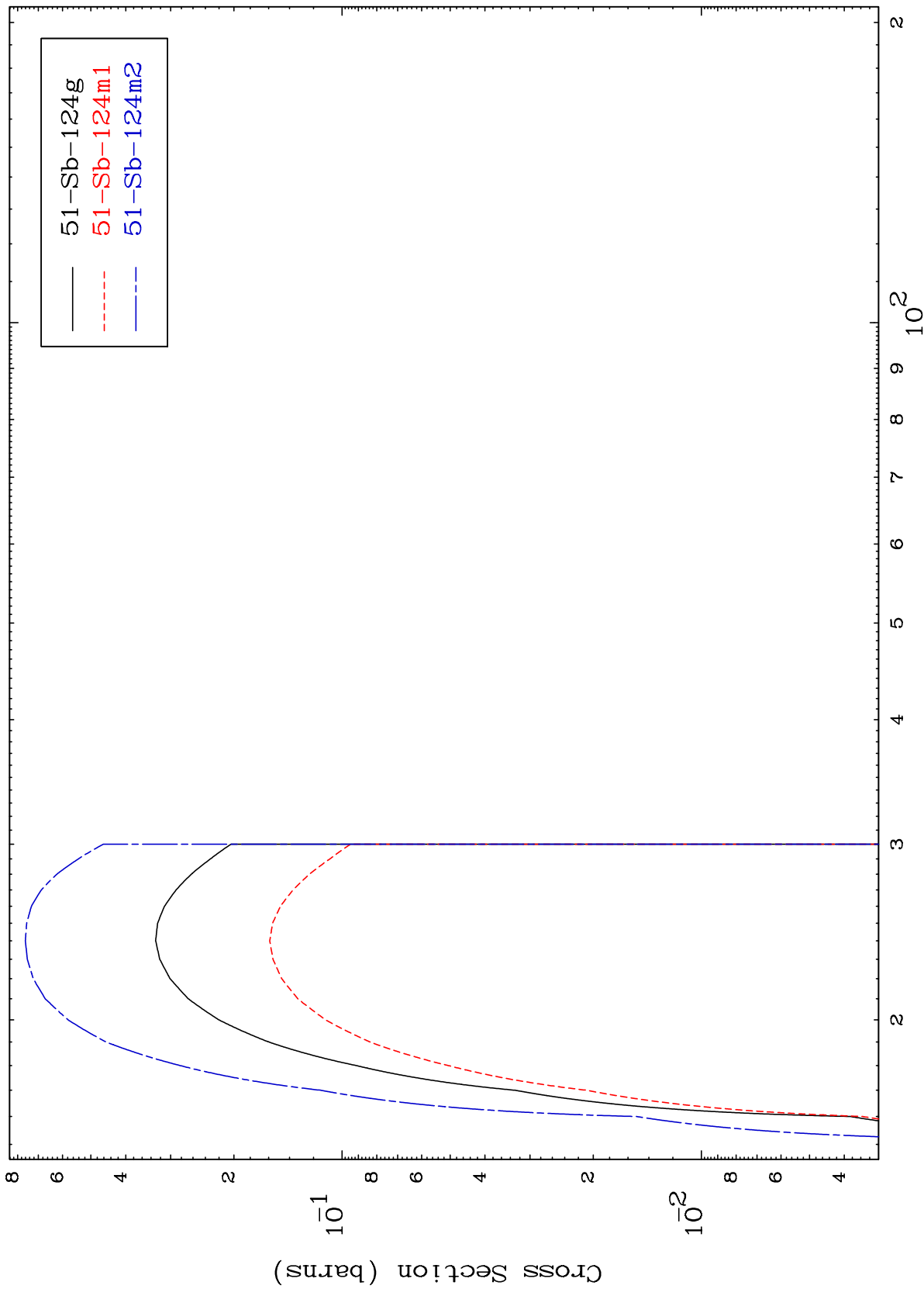
Incident Energy (MeV)

51-Sb-126

MAT 5140

51-Sb-126

(n,3n)  
Radionuclide Production Cross Section

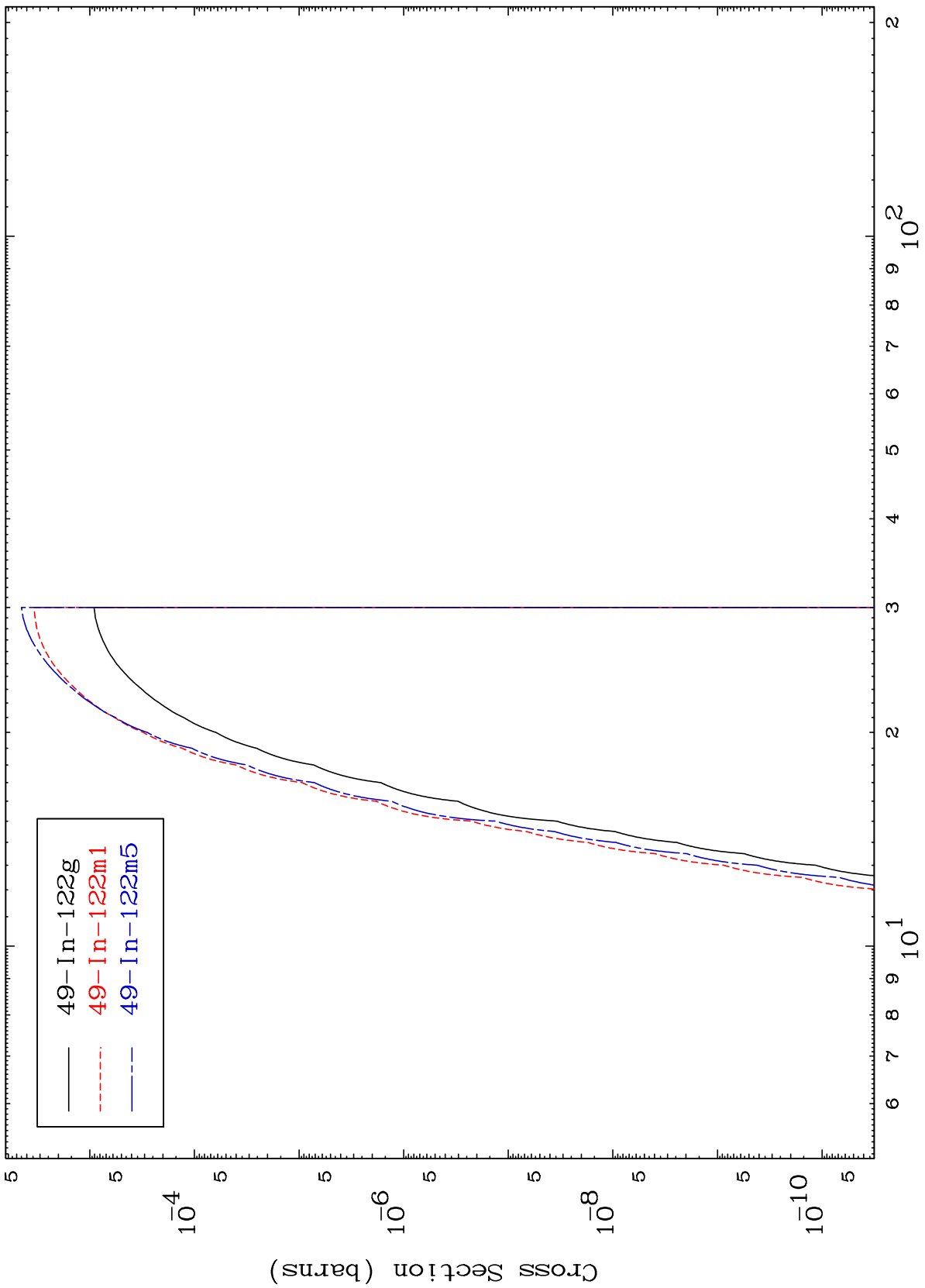


62

51-Sb-126

Incident Energy (MeV)

Radionuclide Production Cross Section

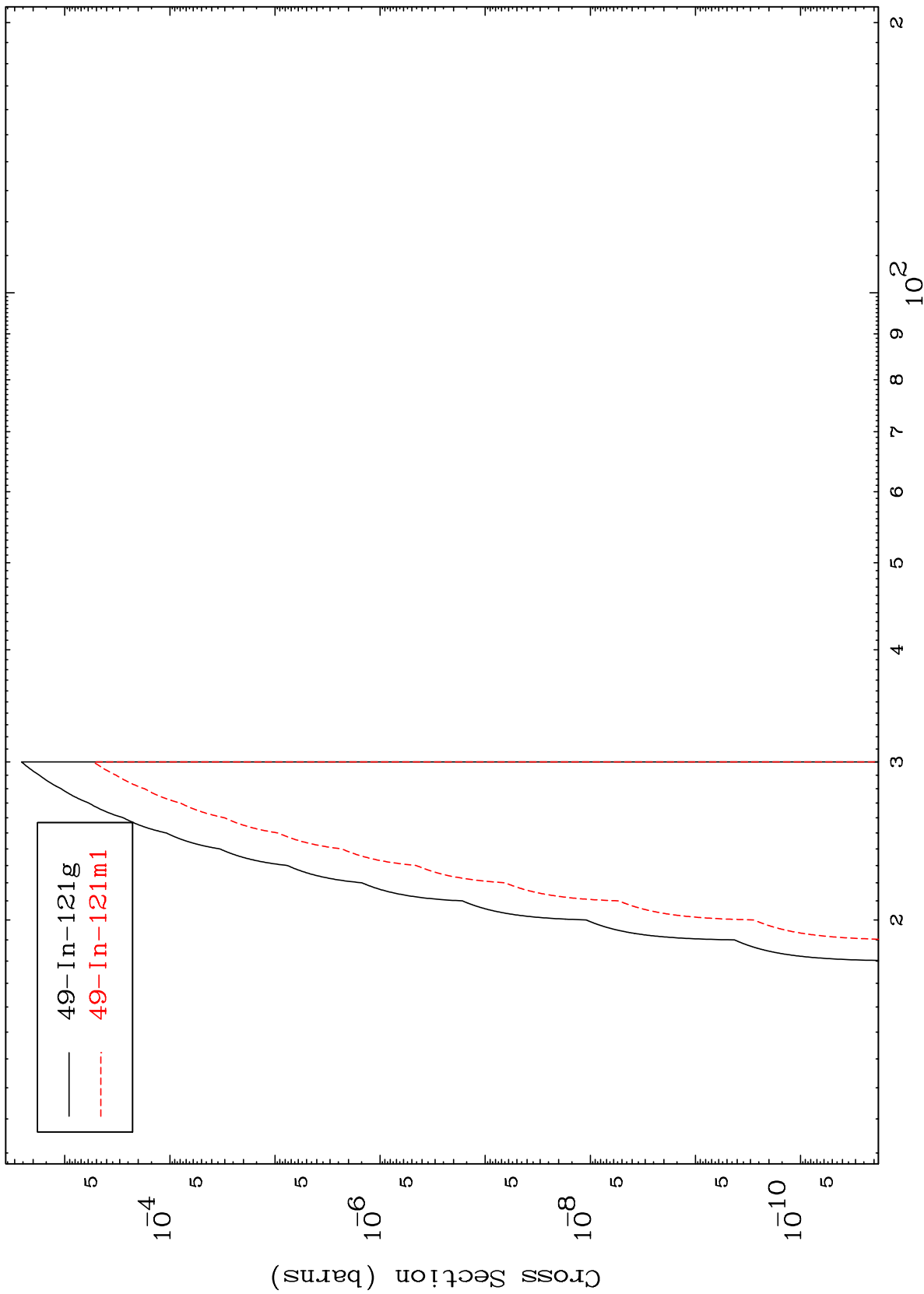


49-In-122g  
49-In-122m1  
49-In-122m5

MAT 5140

51-Sb-126

(n,2n)  $\alpha$   
Radionuclide Production Cross Section

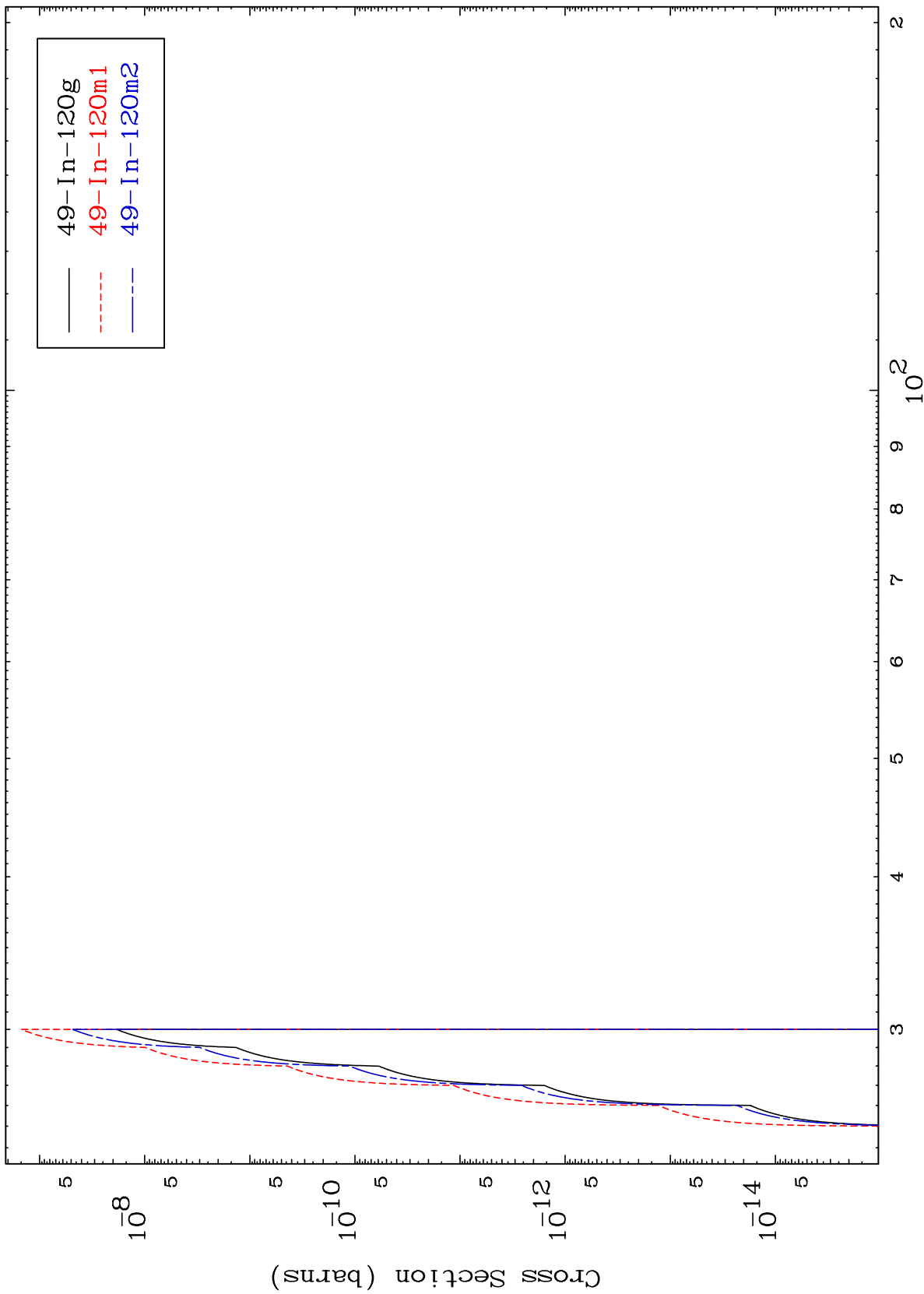


64

Incident Energy (MeV)

51-Sb-126

Radionuclide Production Cross Section

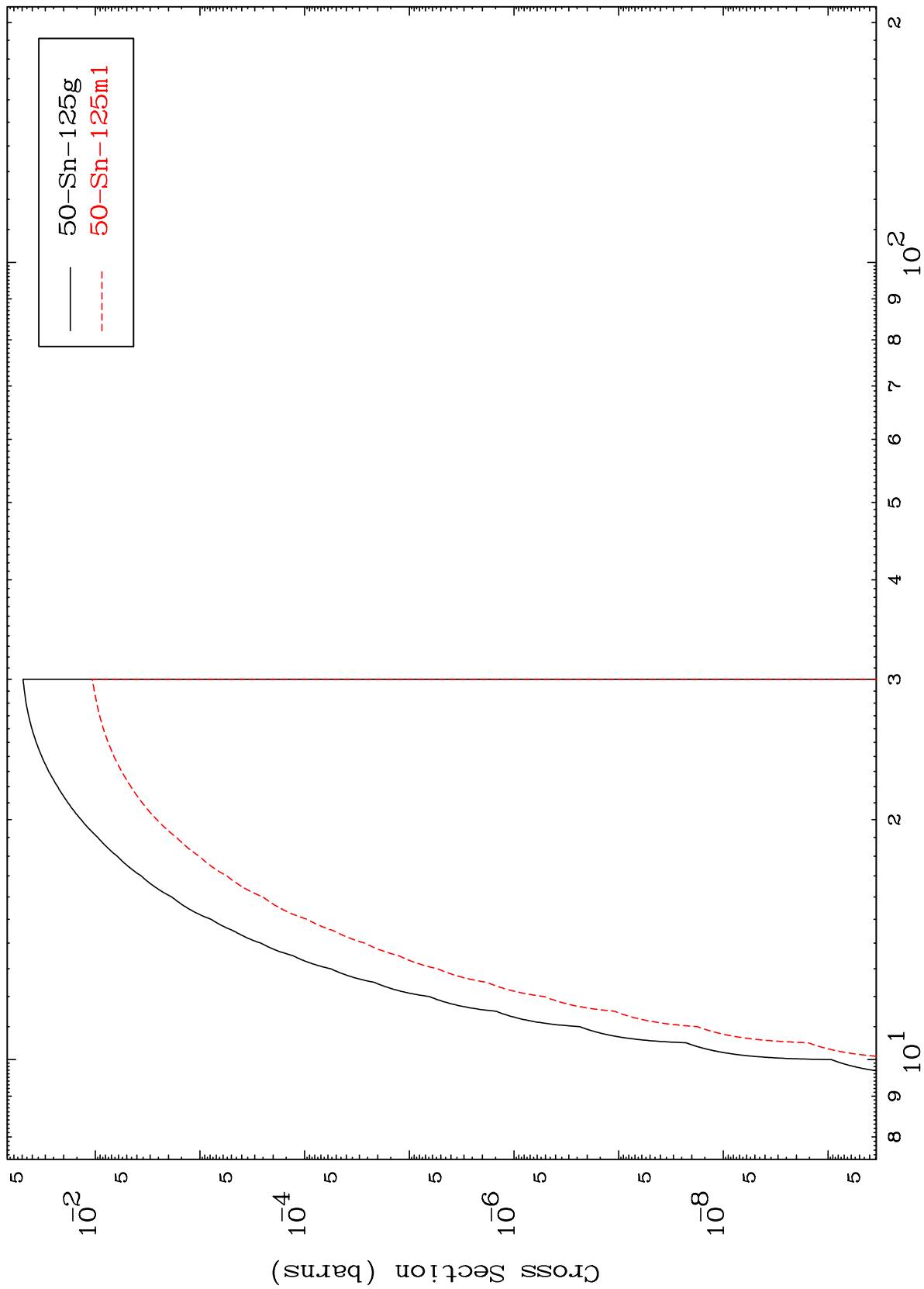


MAT 5140

(n,n') p

51-Sb-126

Radionuclide Production Cross Section

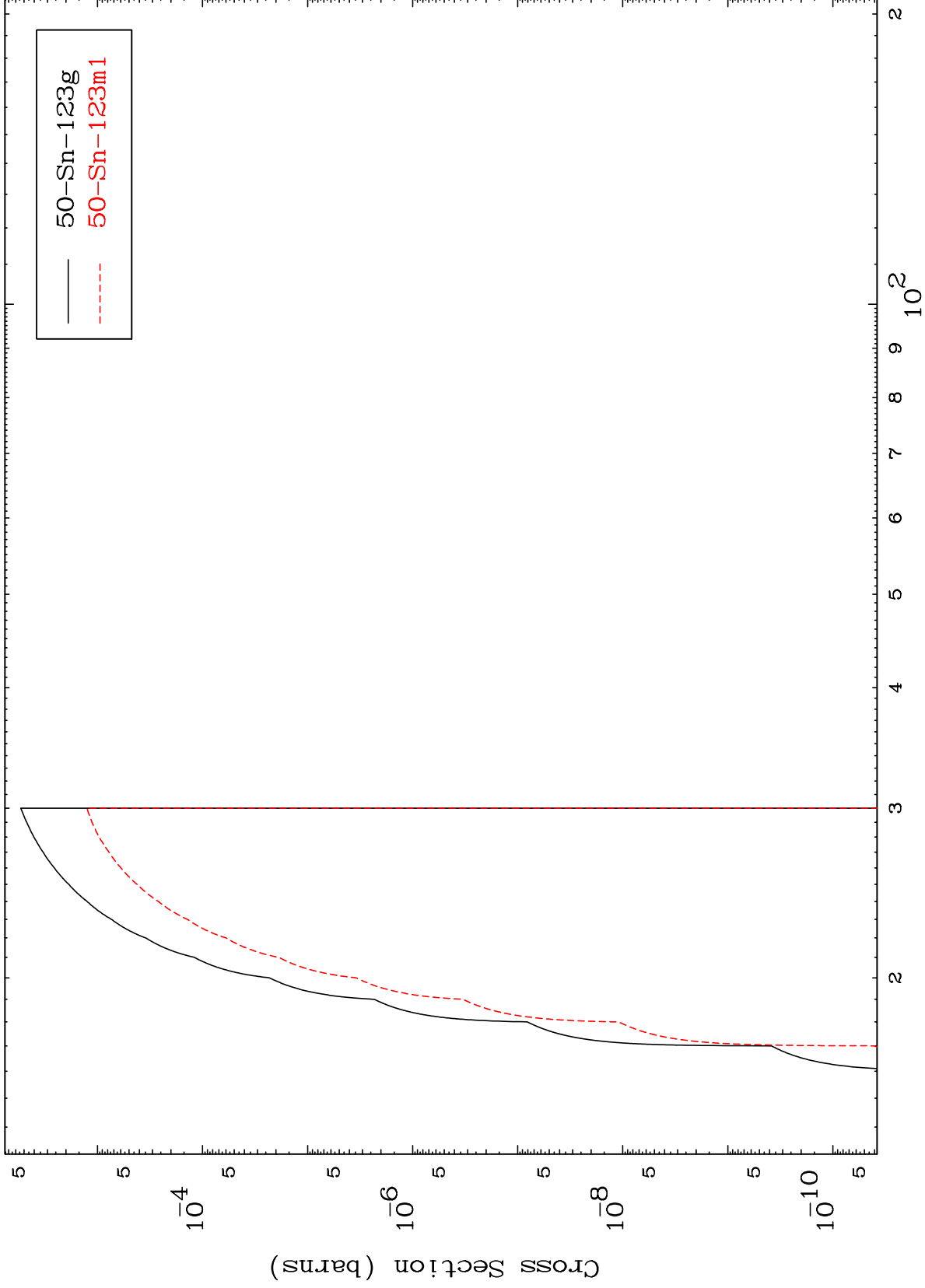


66

Incident Energy (MeV)

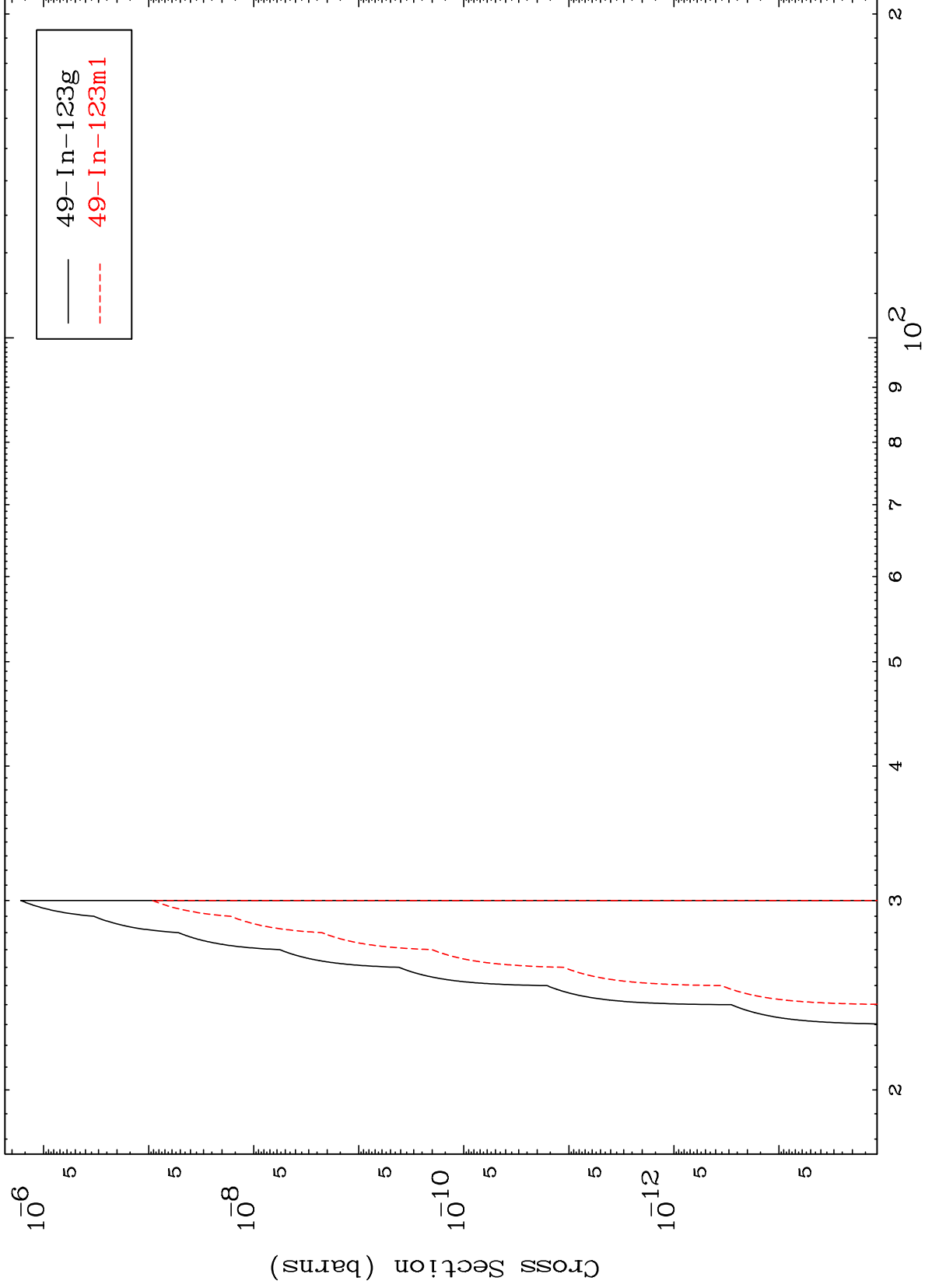
51-Sb-126

Radionuclide Production Cross Section

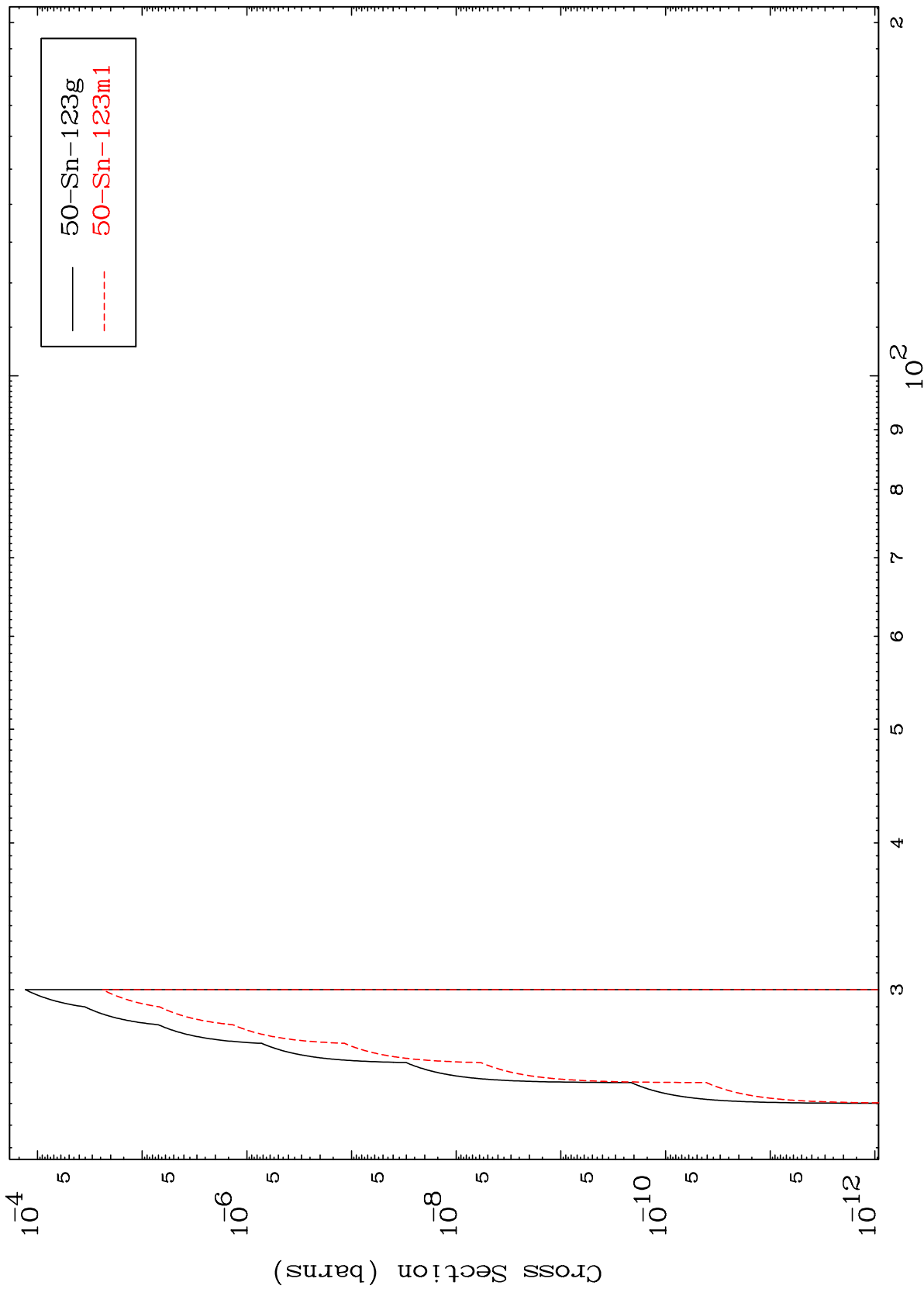


50-Sn-123g  
50-Sn-123m1

Radionuclide Production Cross Section



Radionuclide Production Cross Section

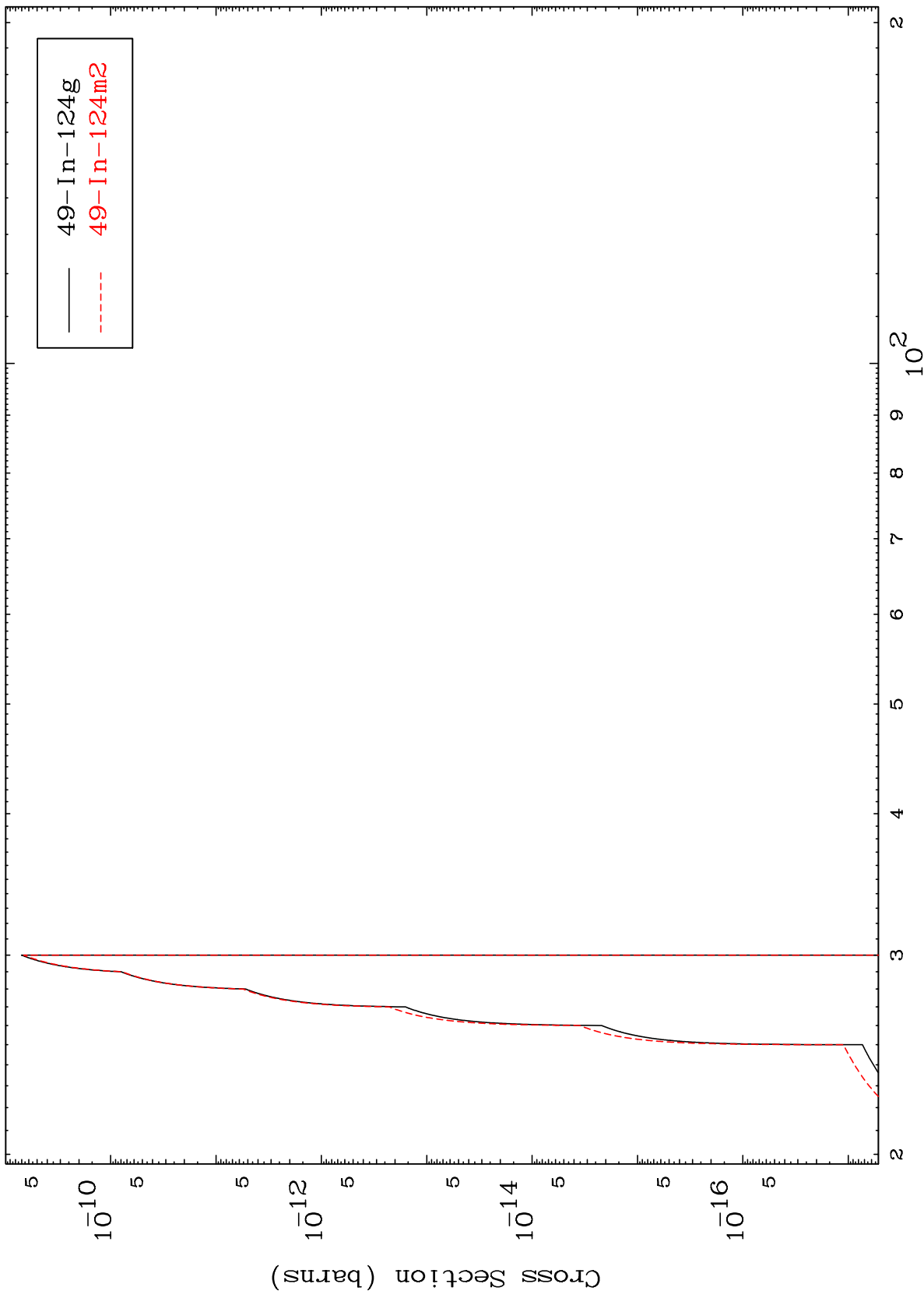


50-Sn-123g  
50-Sn-123m1

MAT 5140

51-Sb-126

(n,2n) p  
Radionuclide Production Cross Section



51-Sb-126

Incident Energy (MeV)

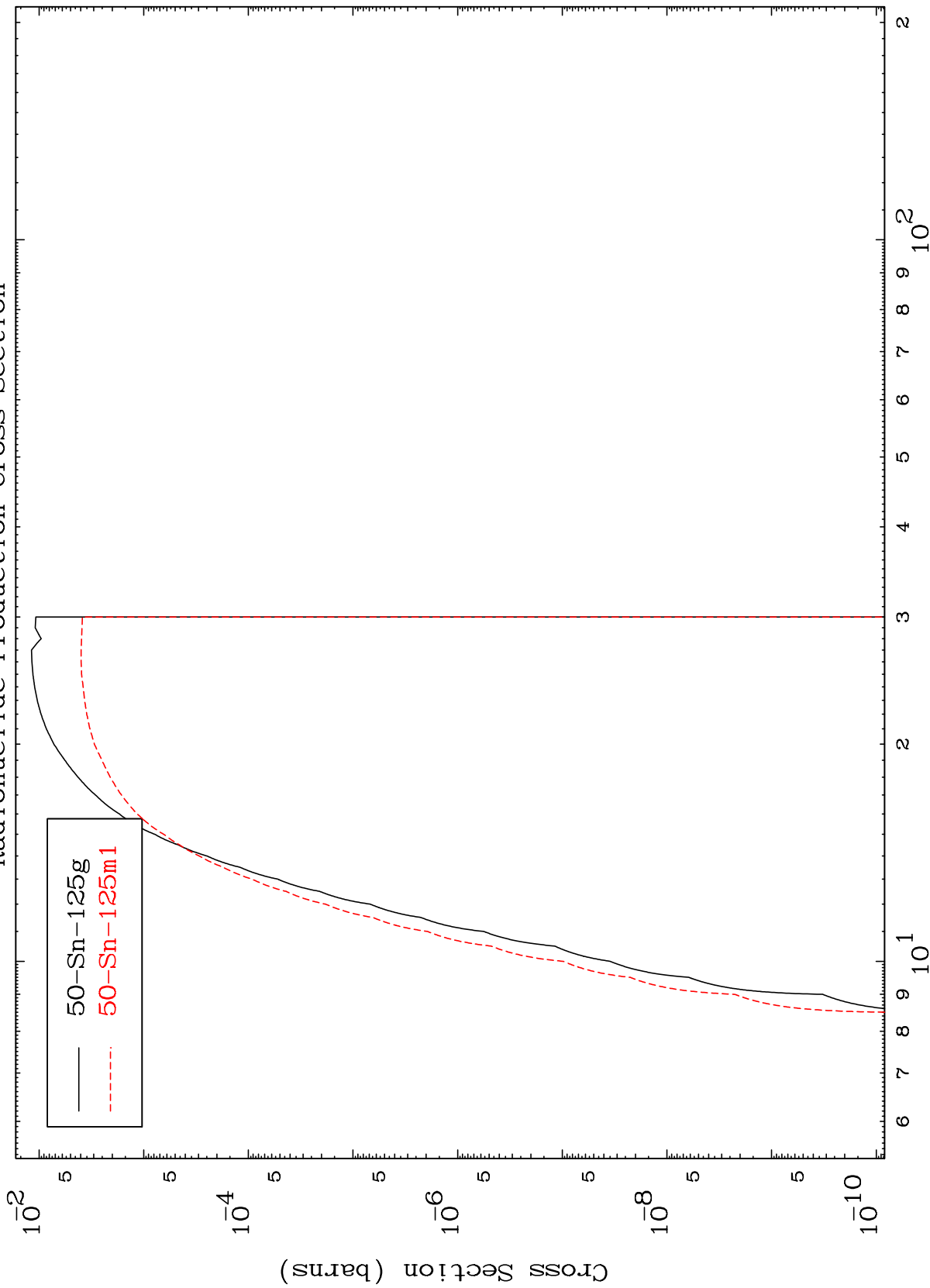
70

MAT 5140

(n,d)

51-Sb-126

Radionuclide Production Cross Section

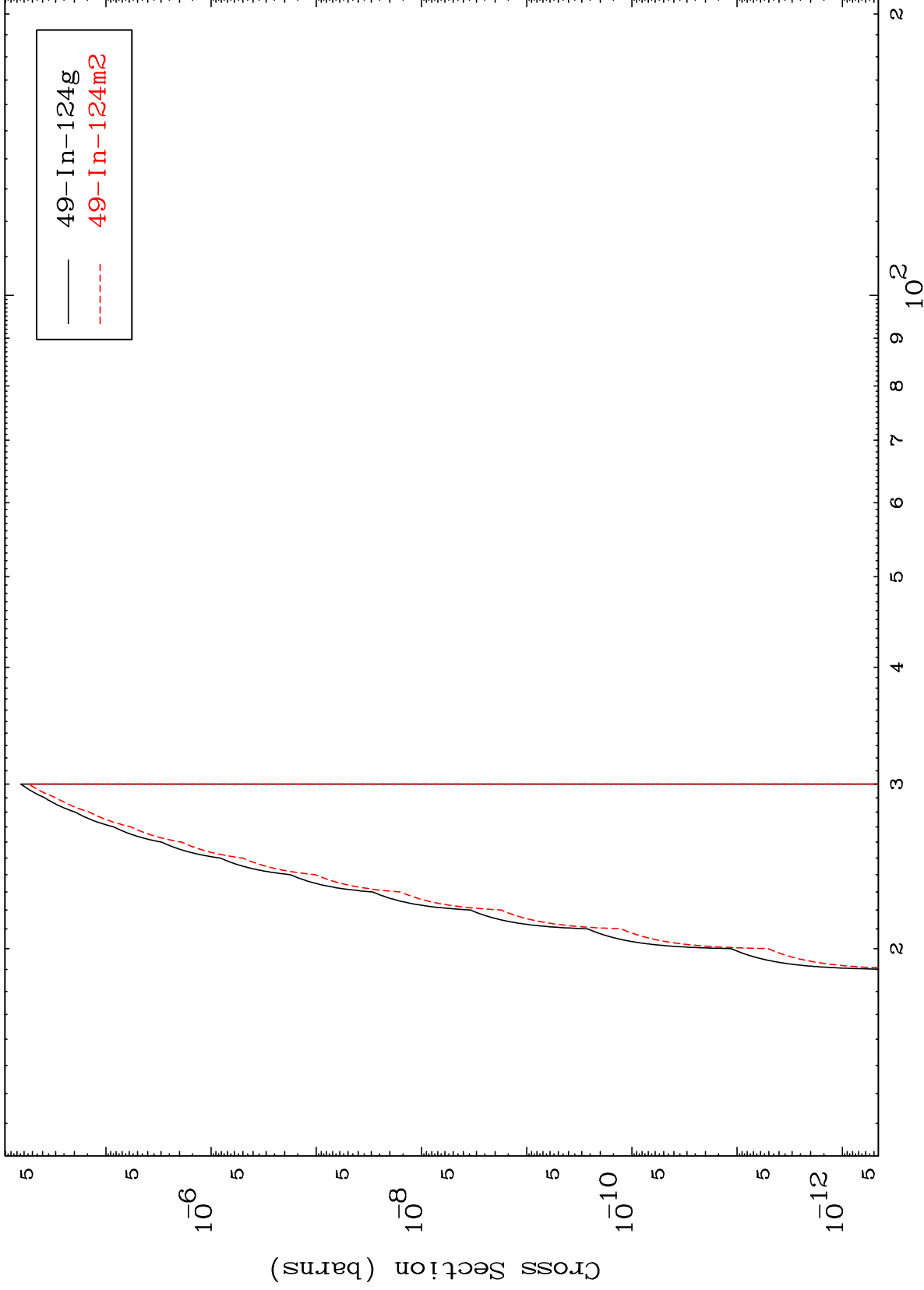


71

Incident Energy (MeV)

51-Sb-126

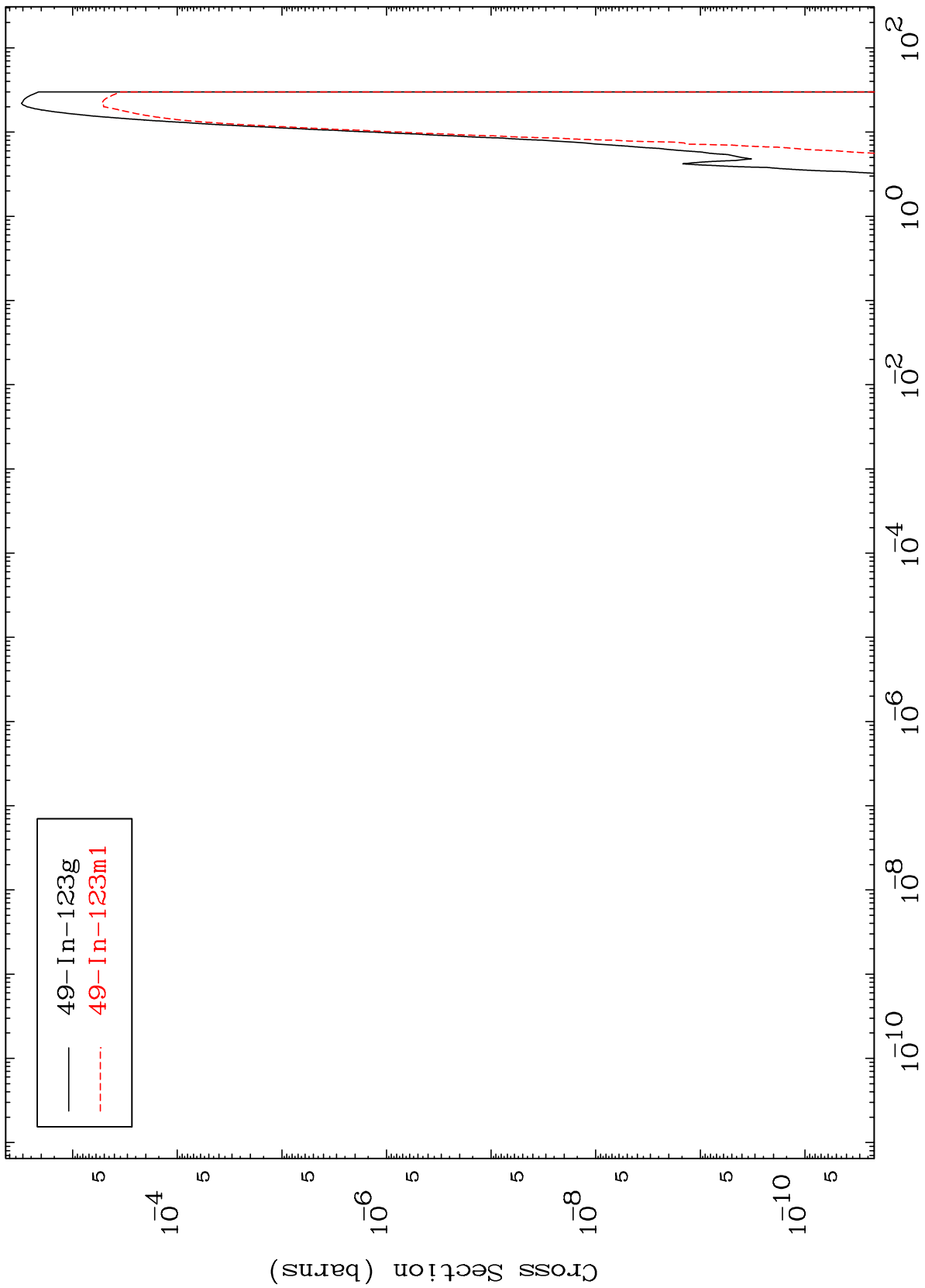
Radionuclide Production Cross Section



MAT 5140

51-Sb-126

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



51-Sb-126

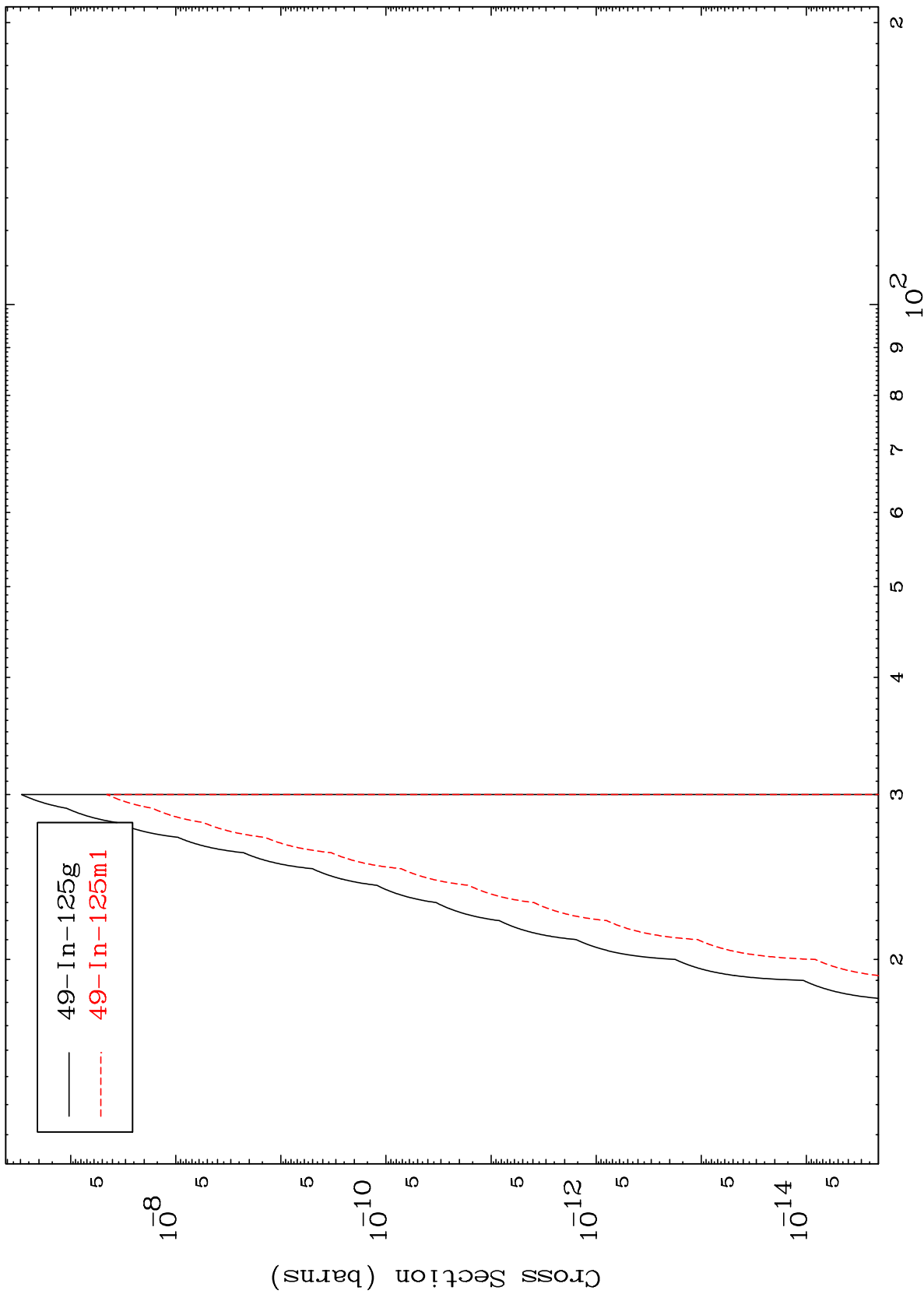
Incident Energy (MeV)

73

MAT 5140

51-Sb-126

(n,2p)  
Radionuclide Production Cross Section



74

Incident Energy (MeV)

51-Sb-126