

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

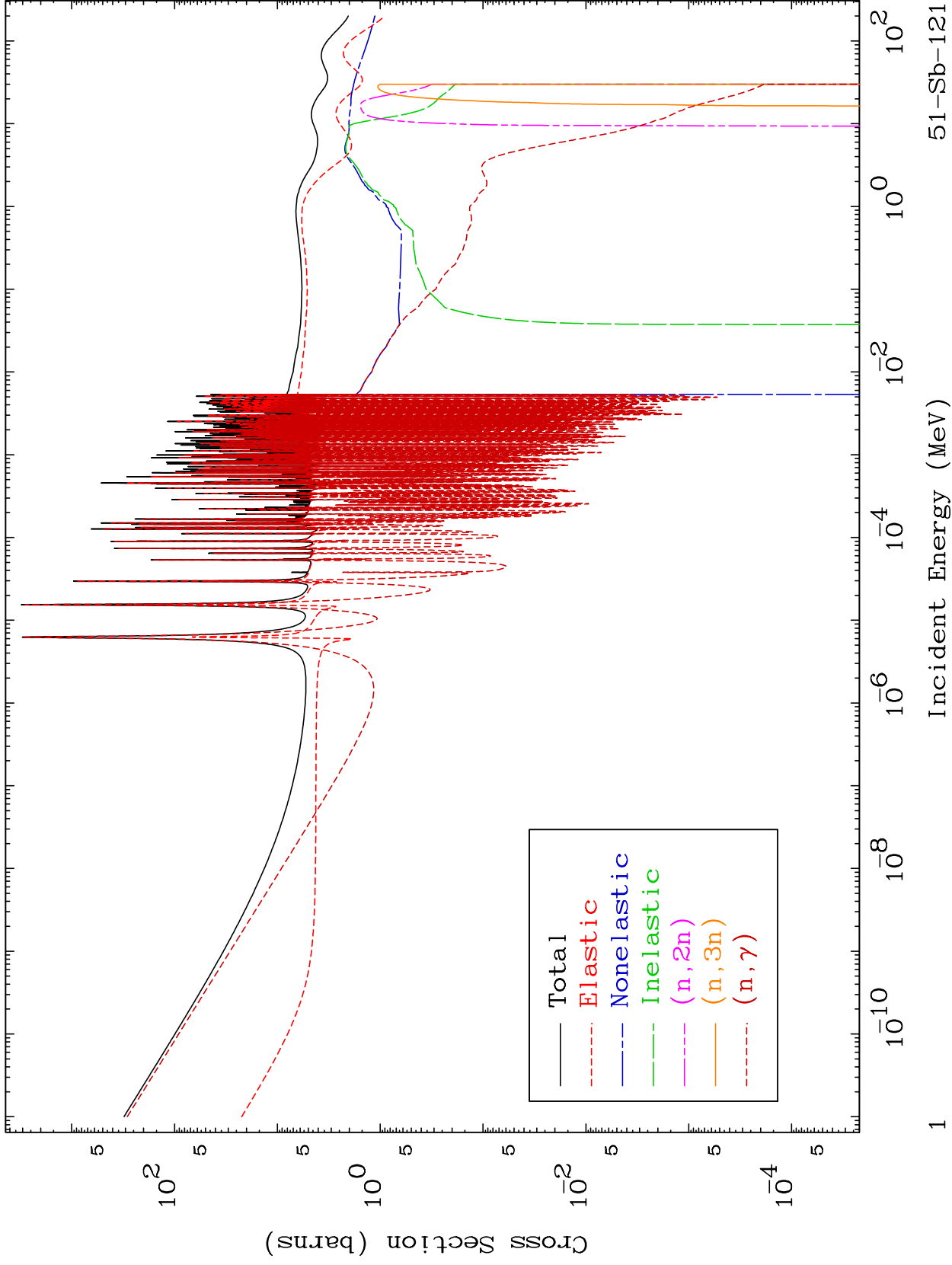
Web:redcullen1.net/HOMEPAGE.NEW

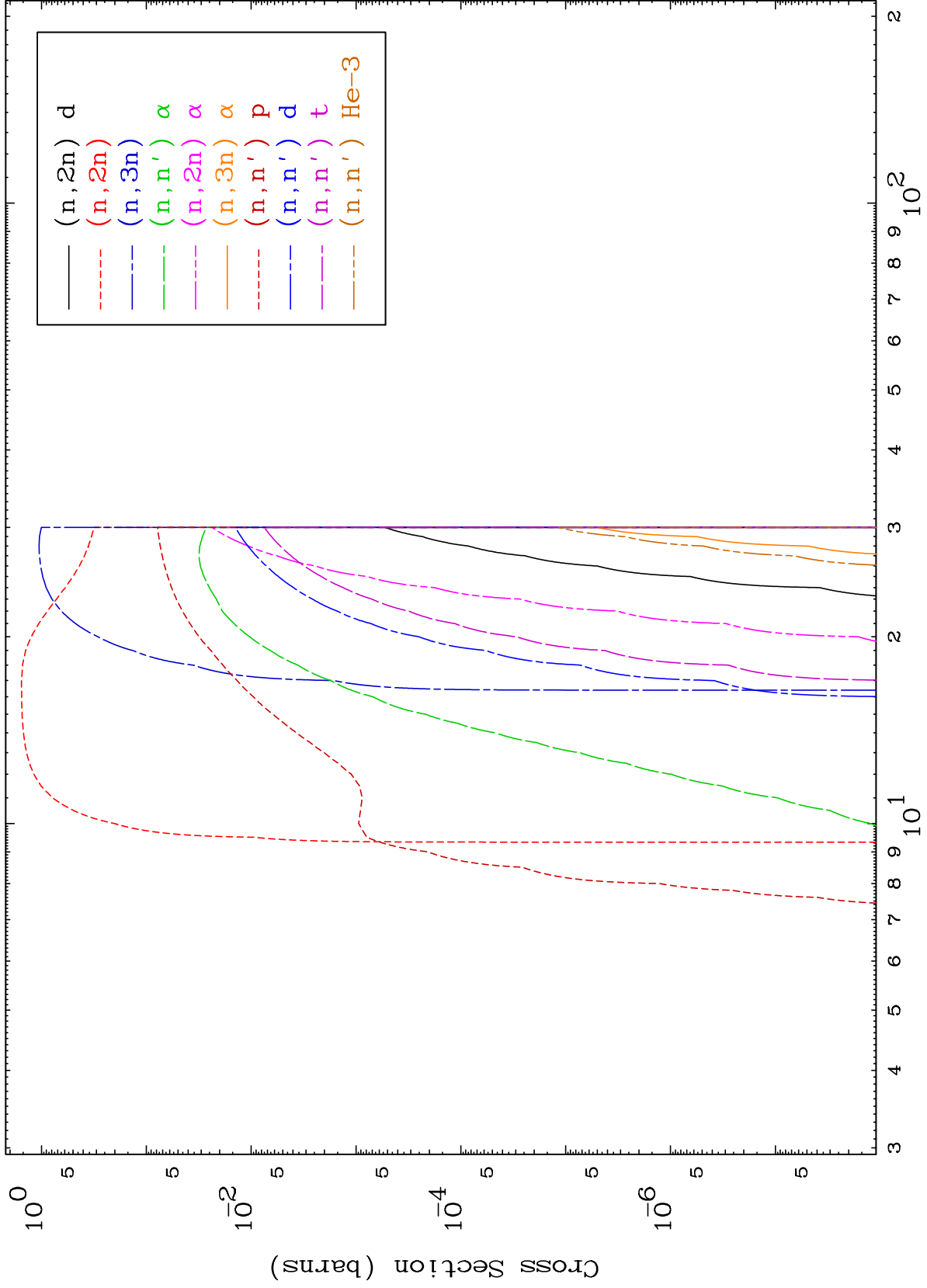
Press Mouse Button to Start

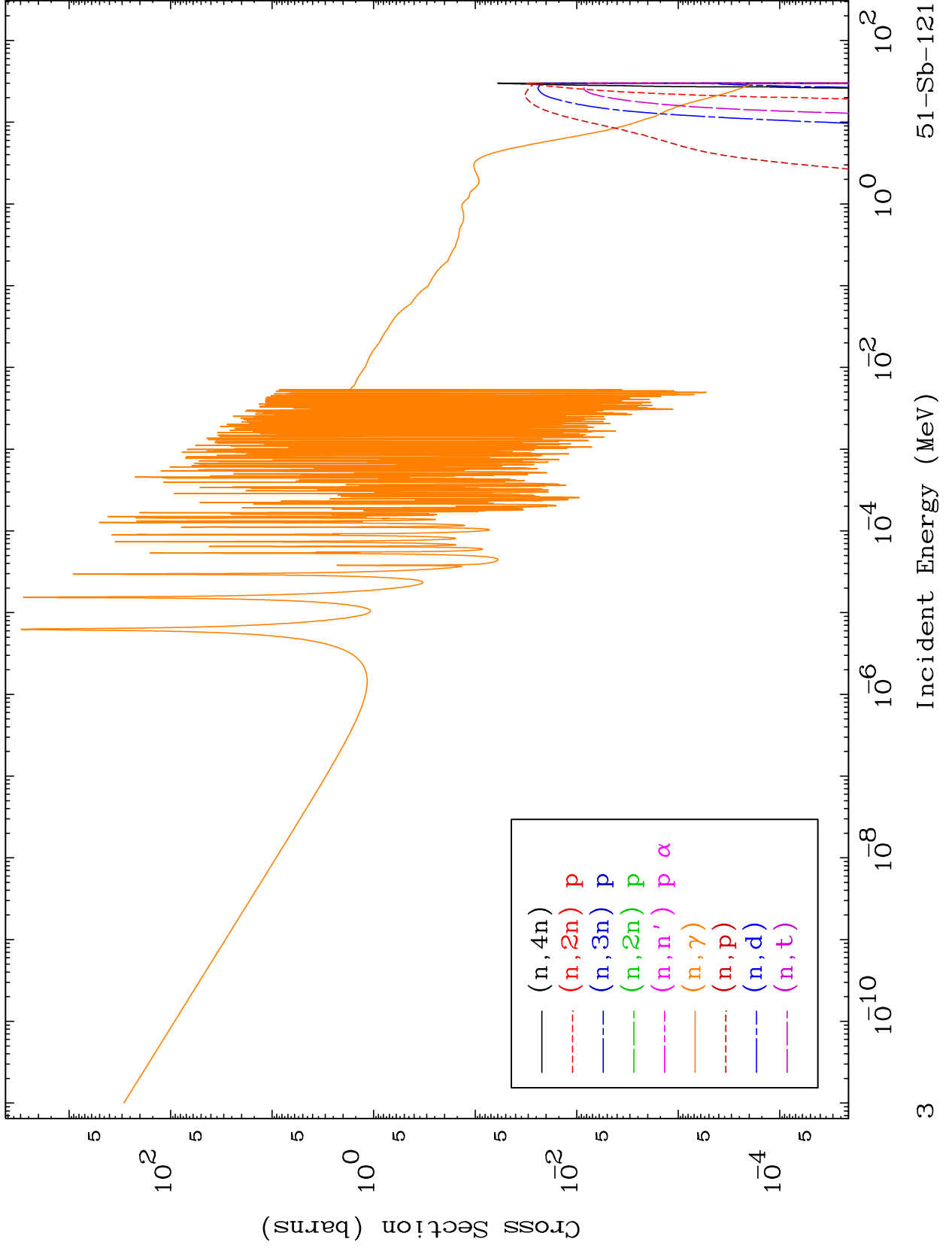
MAT 5125

Neutron Major  
293 Kelvin Cross Sections

51-Sb-121



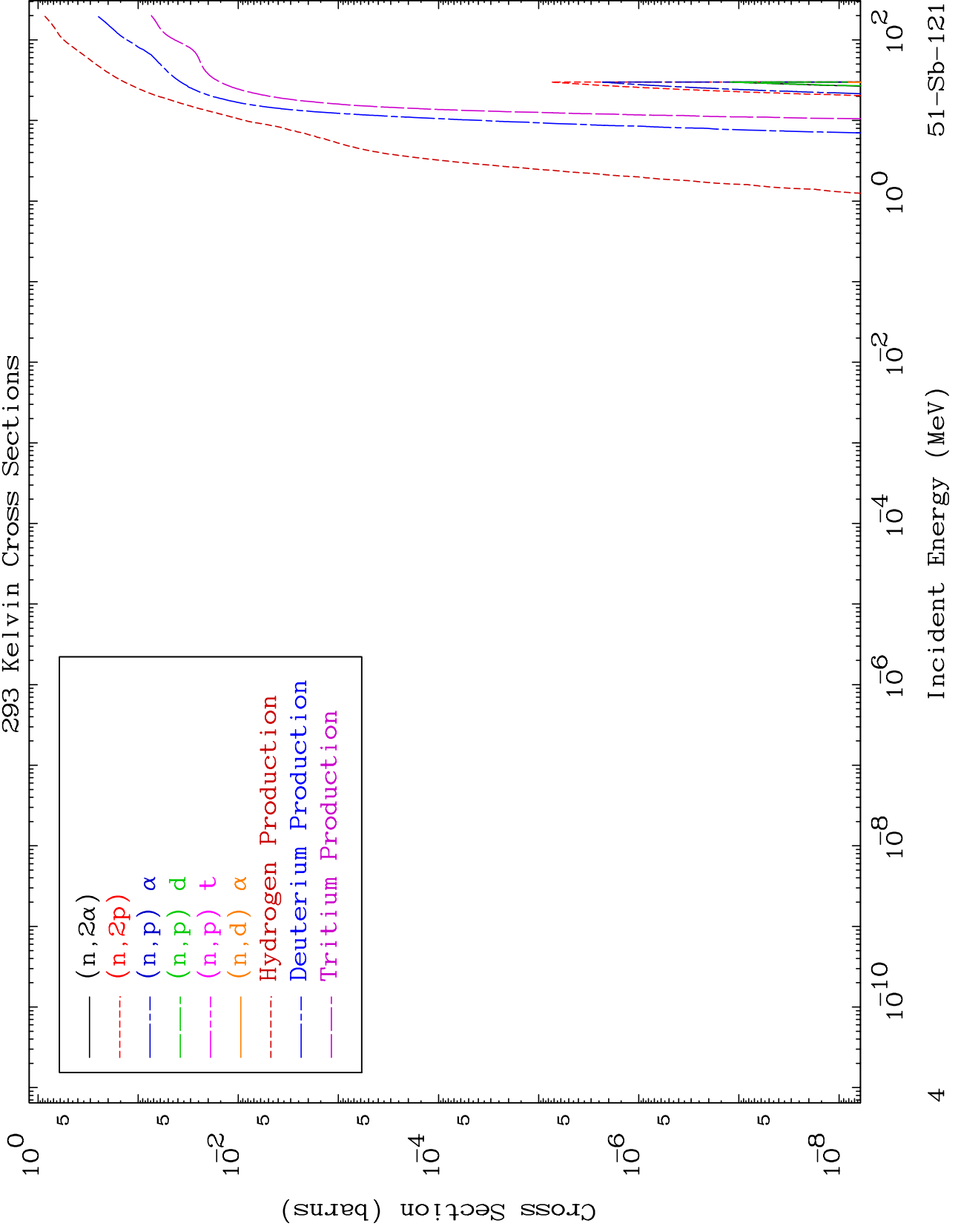


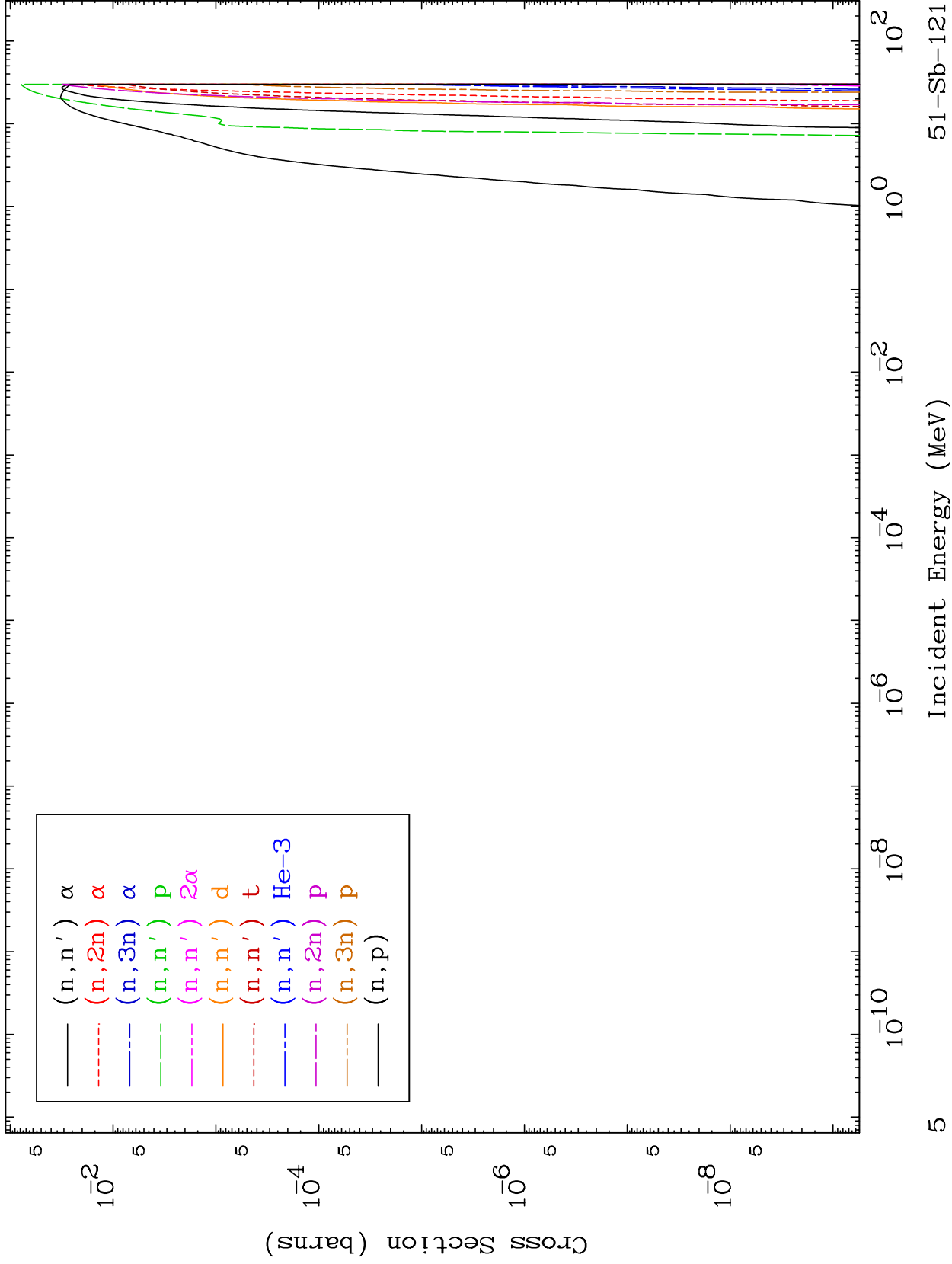


MAT 5125

Neutron Absorption  
293 Kelvin Cross Sections

51-Sb-121

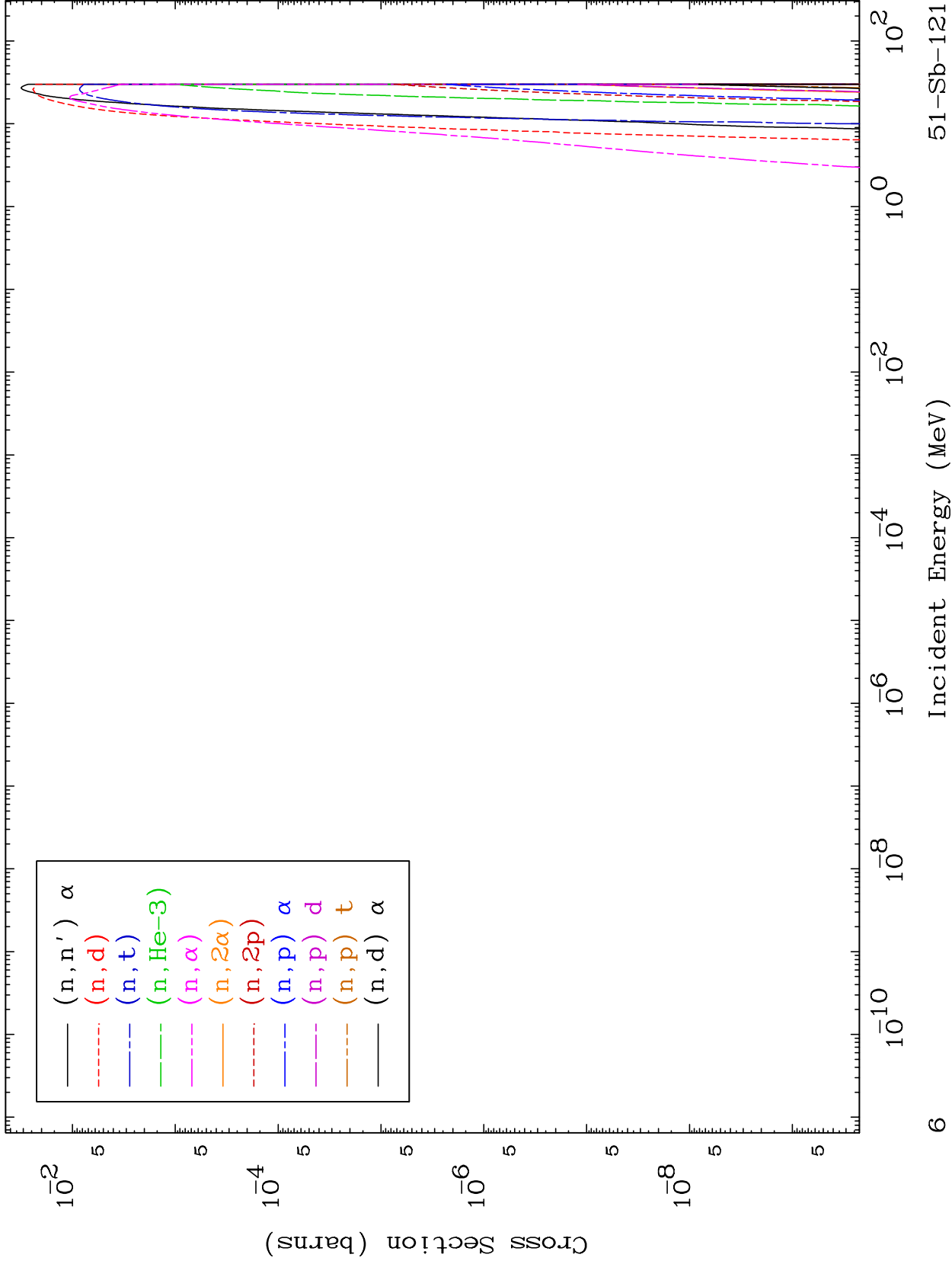




MAT 5125

Charged Particle  
293 Kelvin Cross Sections

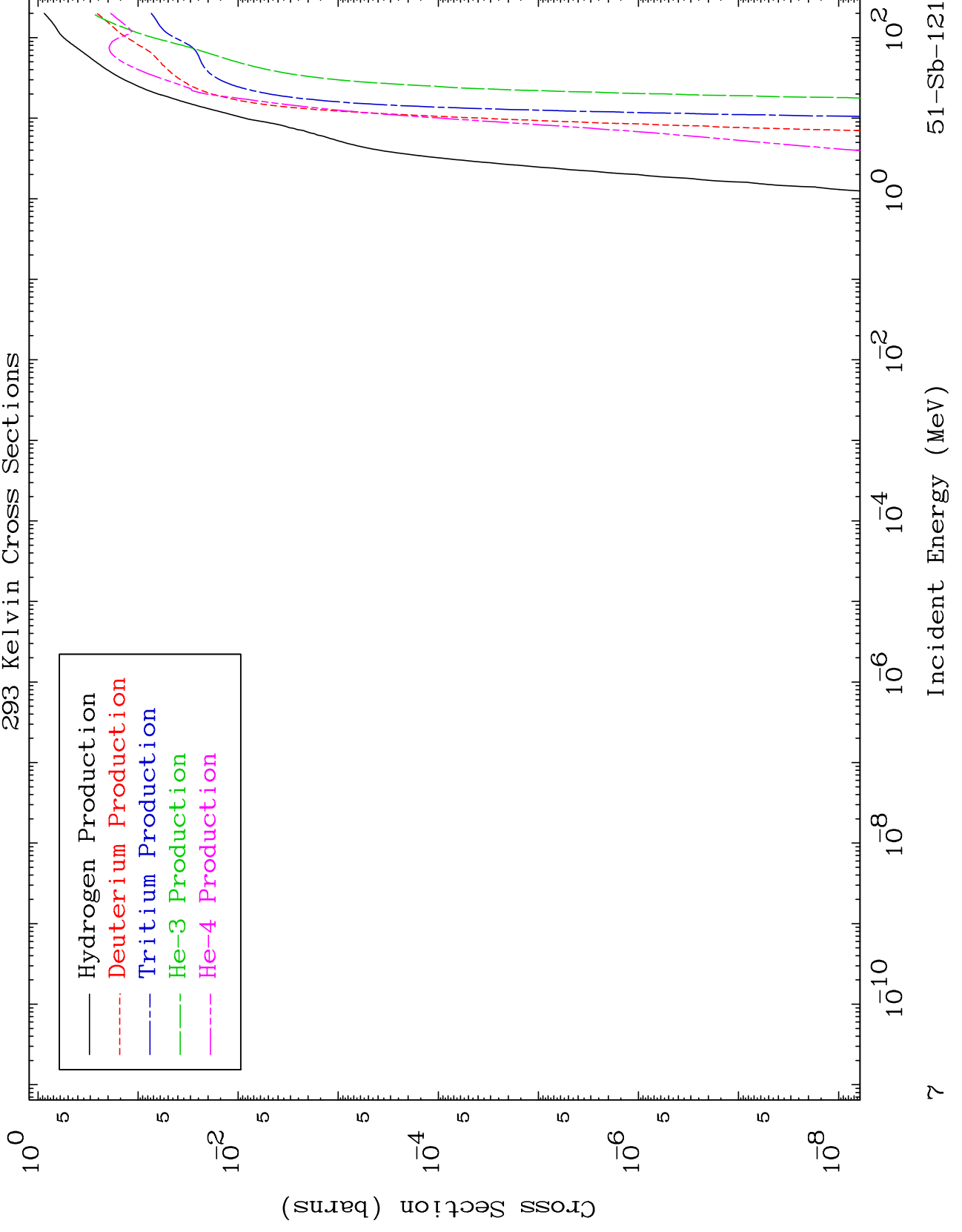
51-Sb-121



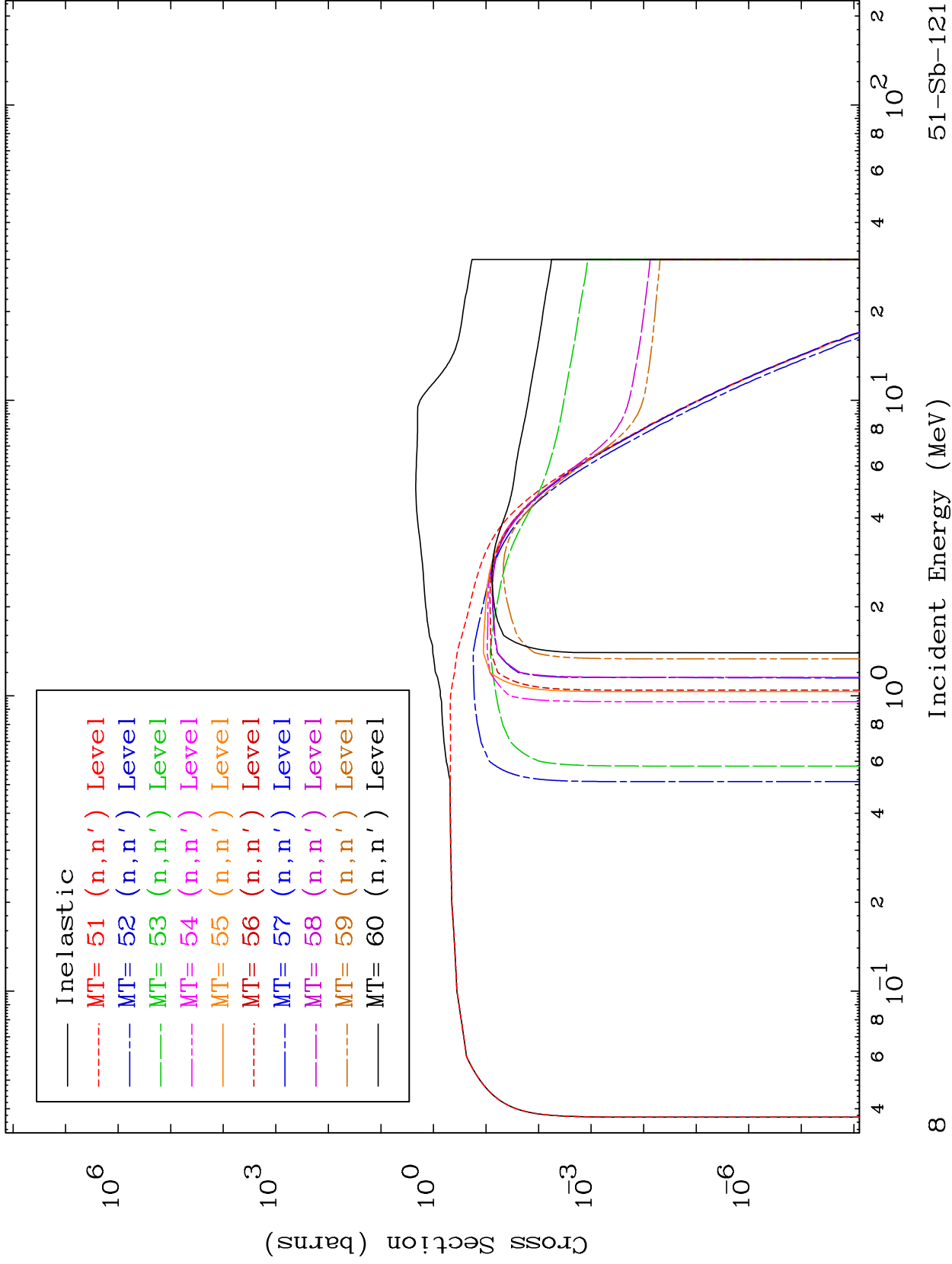
MAT 5125

Particle Production  
293 Kelvin Cross Sections

51-Sb-121



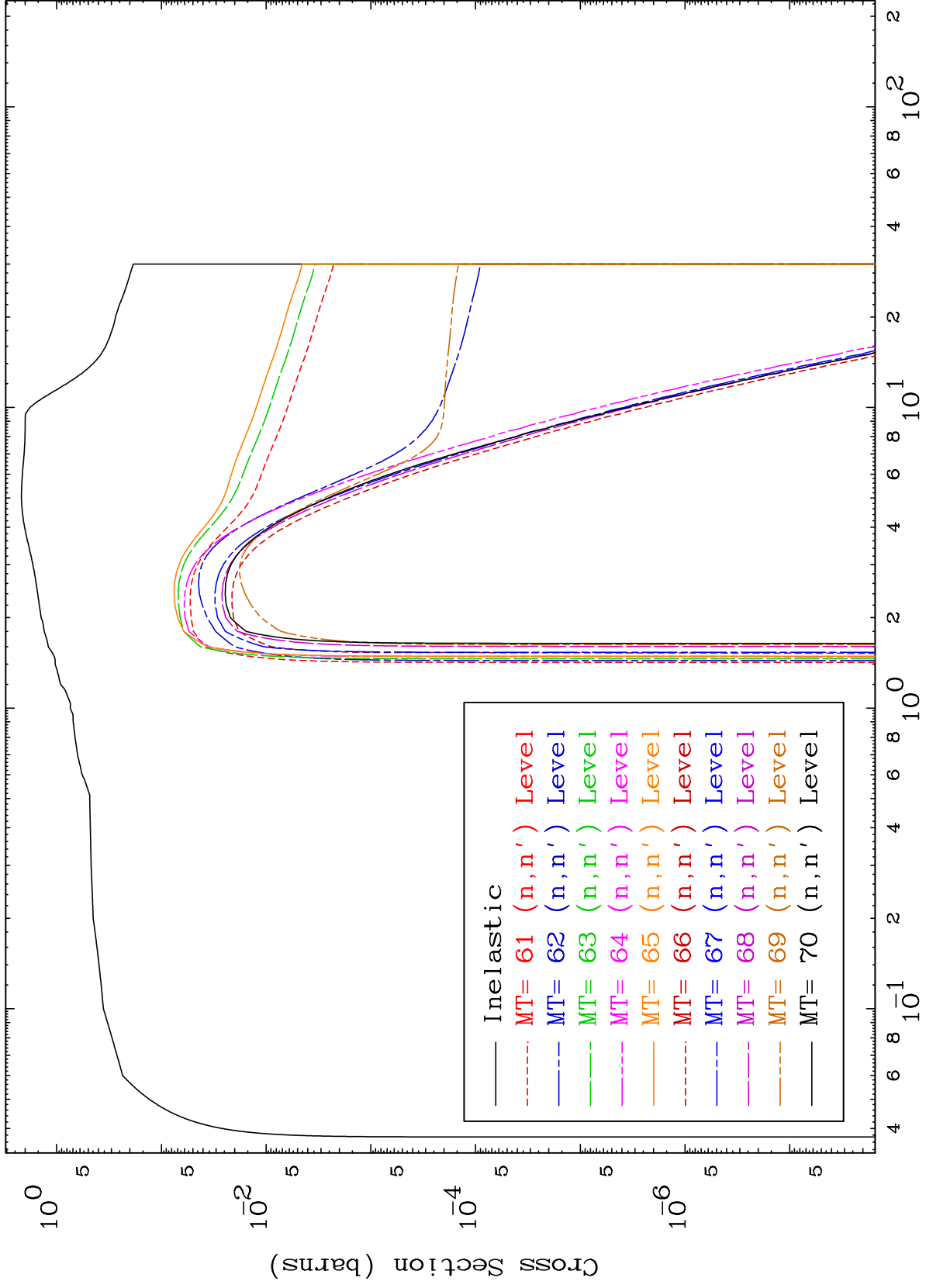




MAT 5125

(n,n') Levels  
293 Kelvin Cross Sections

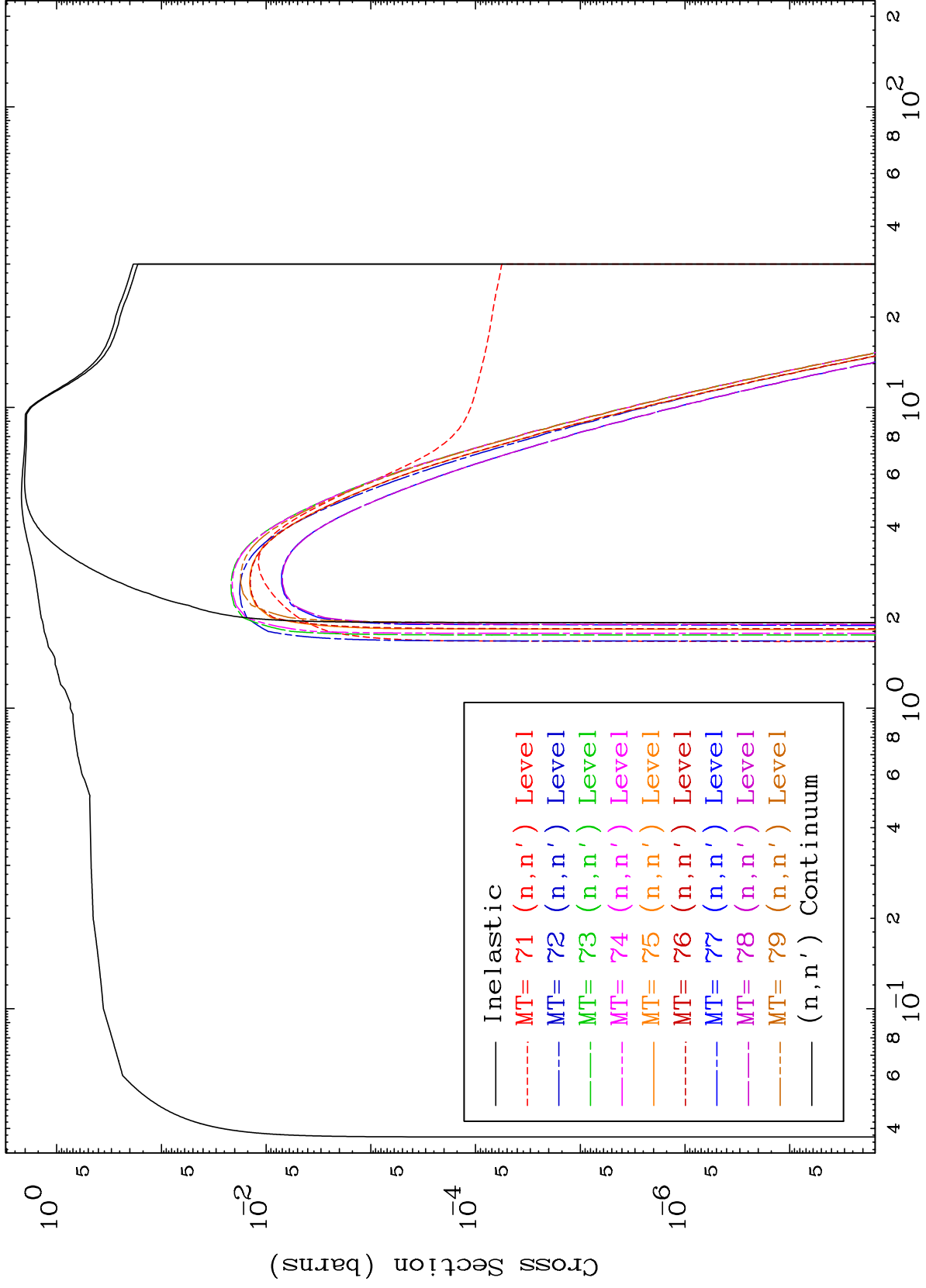
51-Sb-121



MAT 5125

293 Kelvin Cross Sections

51-Sb-121



10

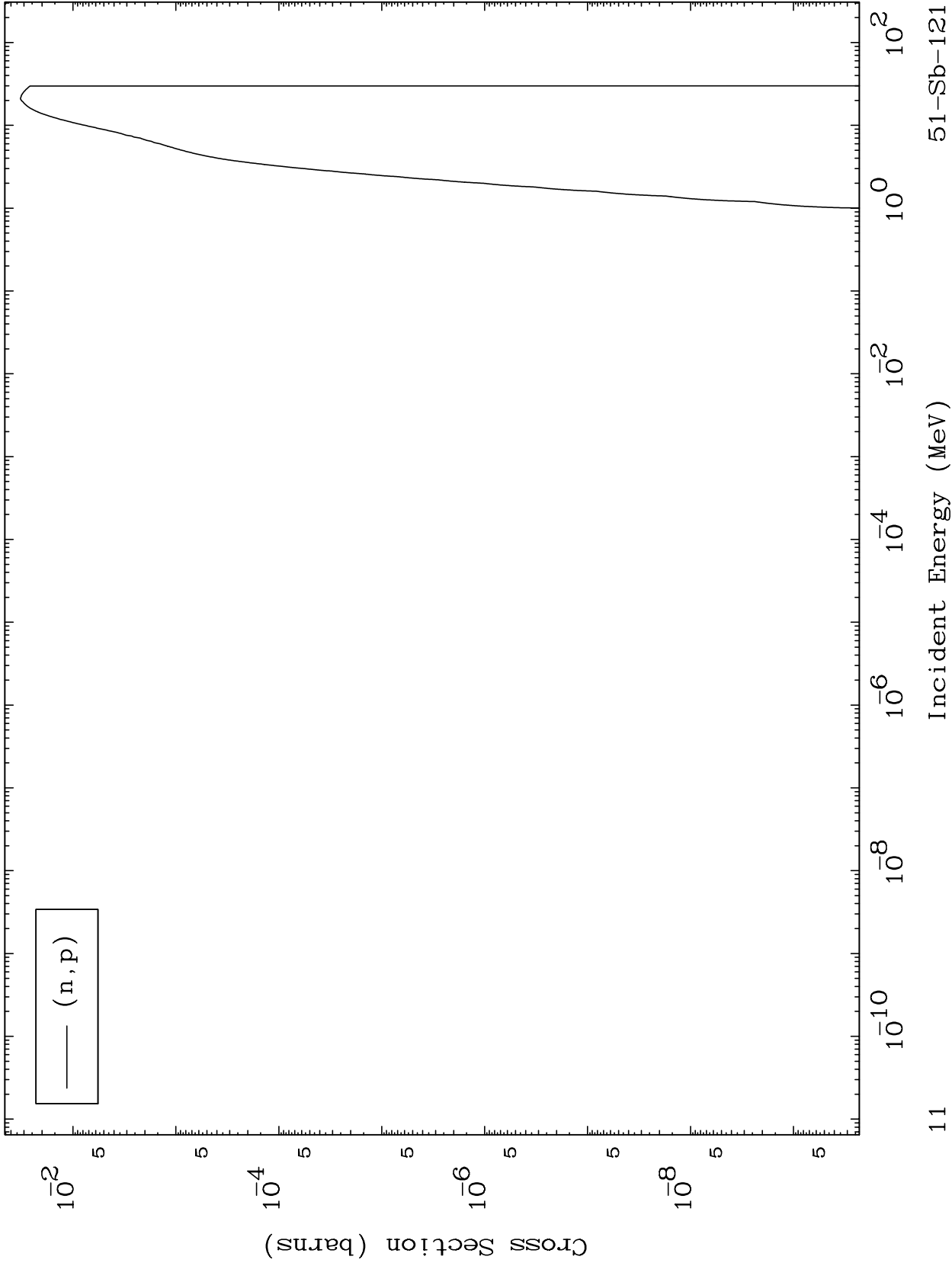
Incident Energy (MeV)

51-Sb-121

MAT 5125

(n,p) Levels  
293 Kelvin Cross Sections

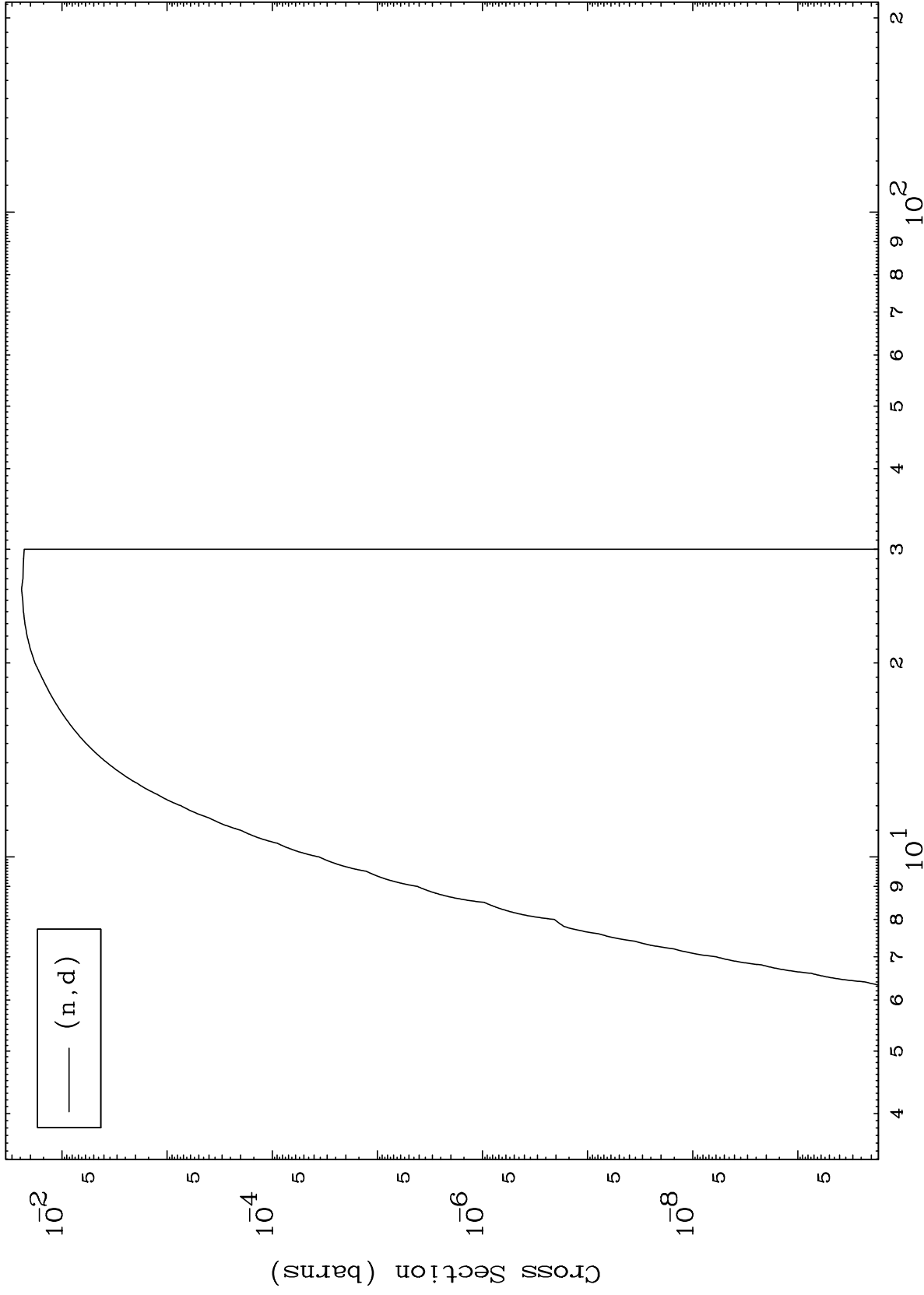
51-Sb-121



MAT 5125

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-121



12

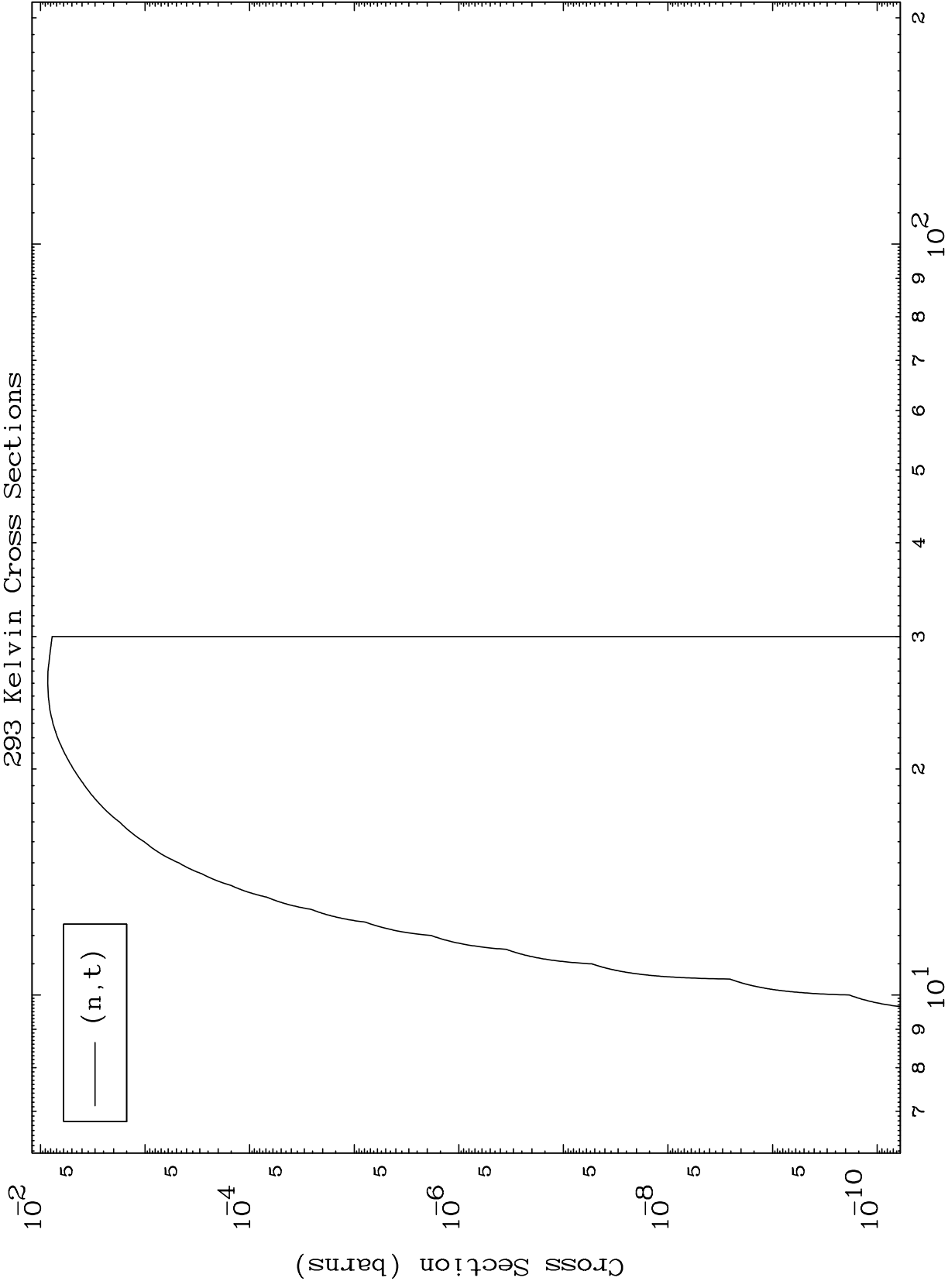
Incident Energy (MeV)

51-Sb-121

MAT 5125

(n, t) Levels  
293 Kelvin Cross Sections

51-Sb-121



13

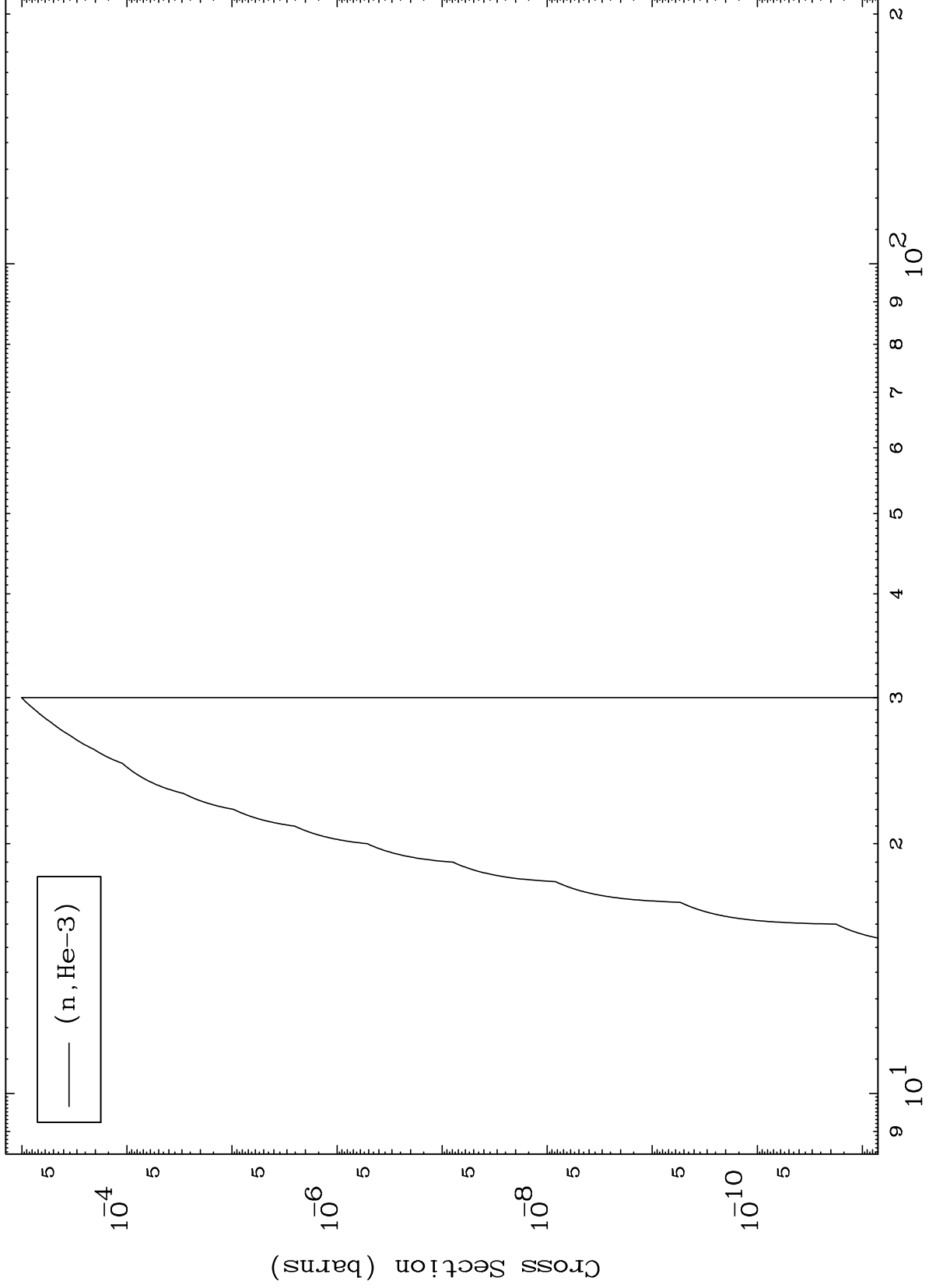
Incident Energy (MeV)

51-Sb-121

MAT 5125

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-121



14

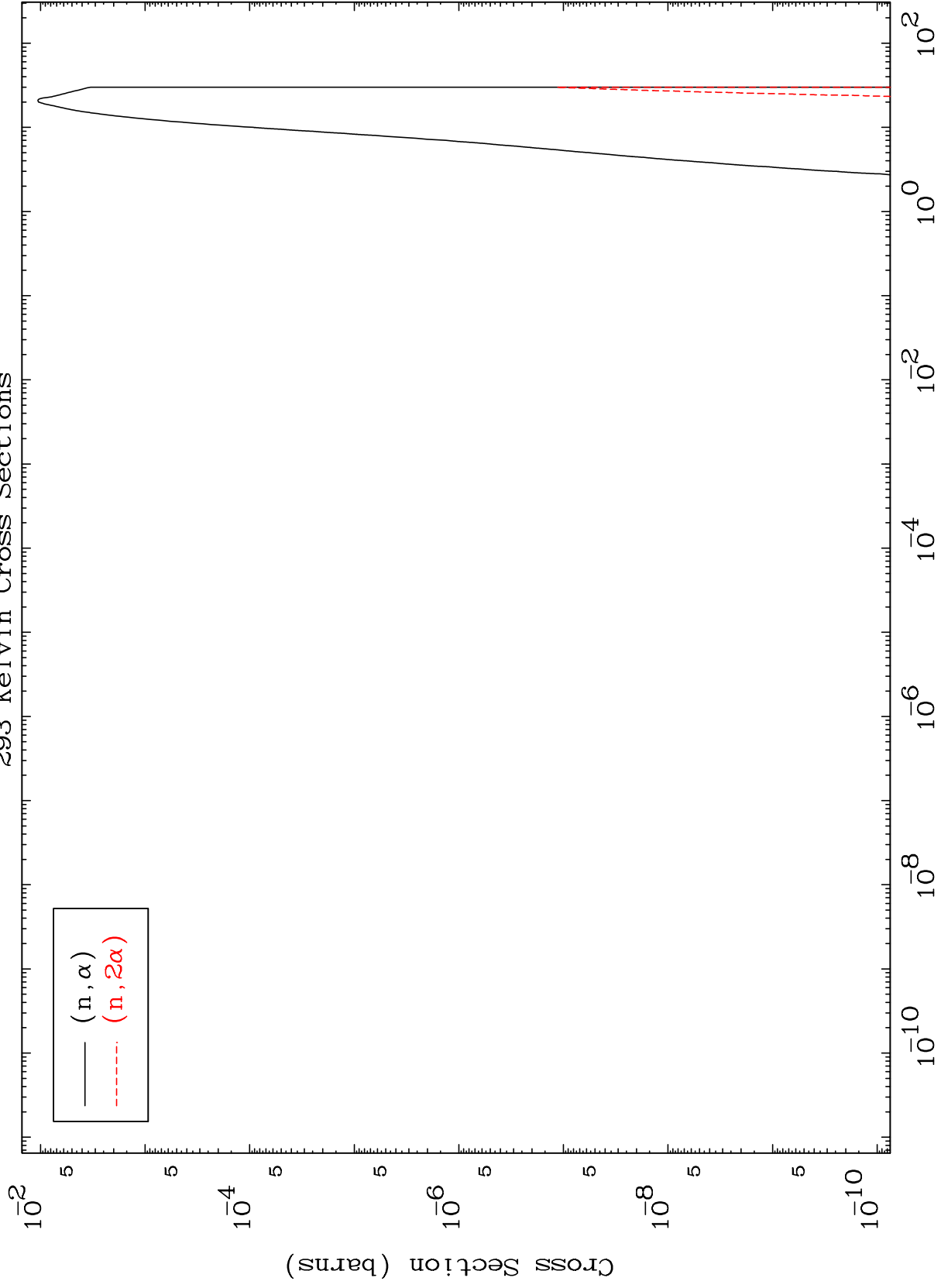
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

51-Sb-121



15

Incident Energy (MeV)

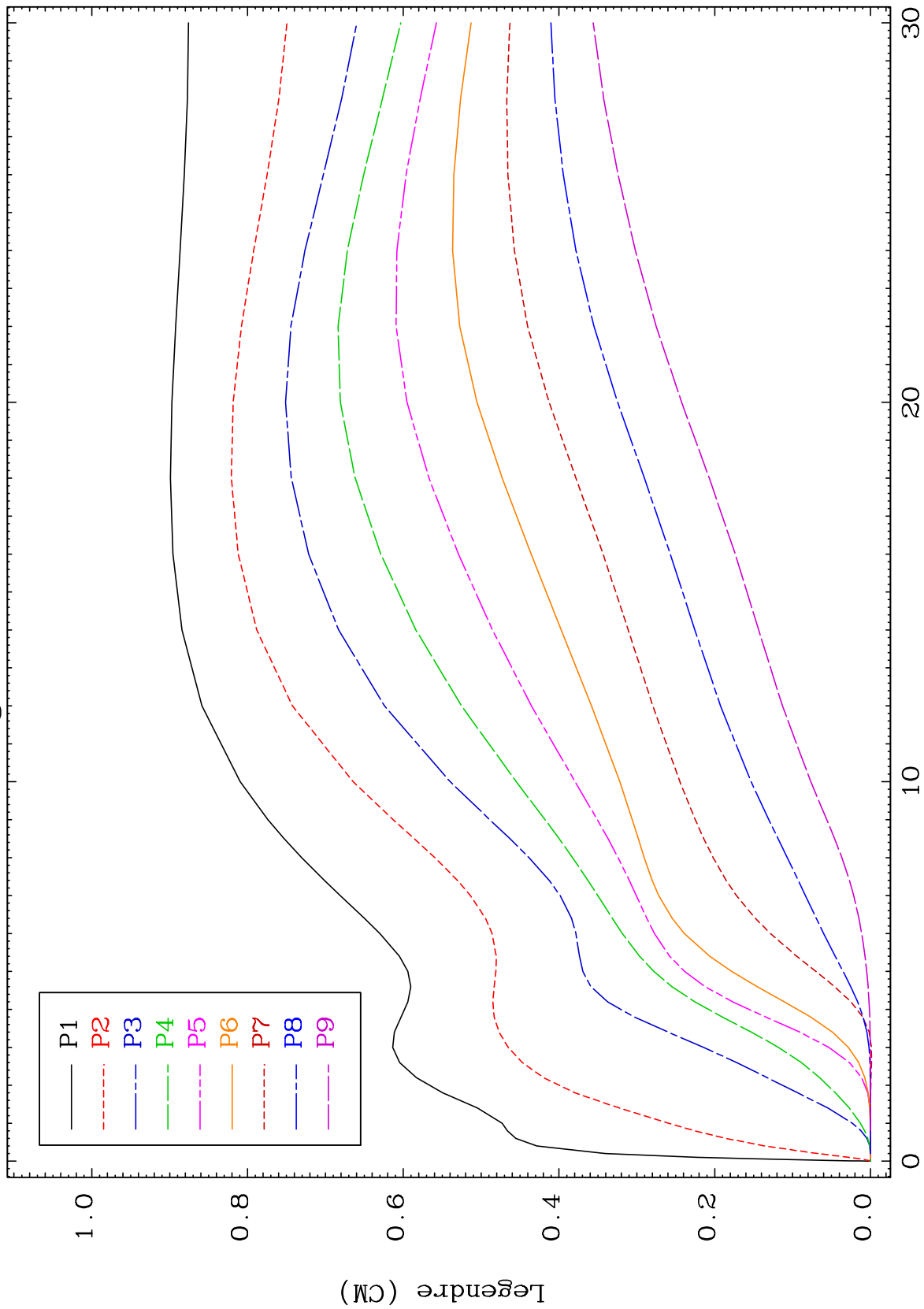
51-Sb-121



MAT 5125

Elastic Legendre Coefficients

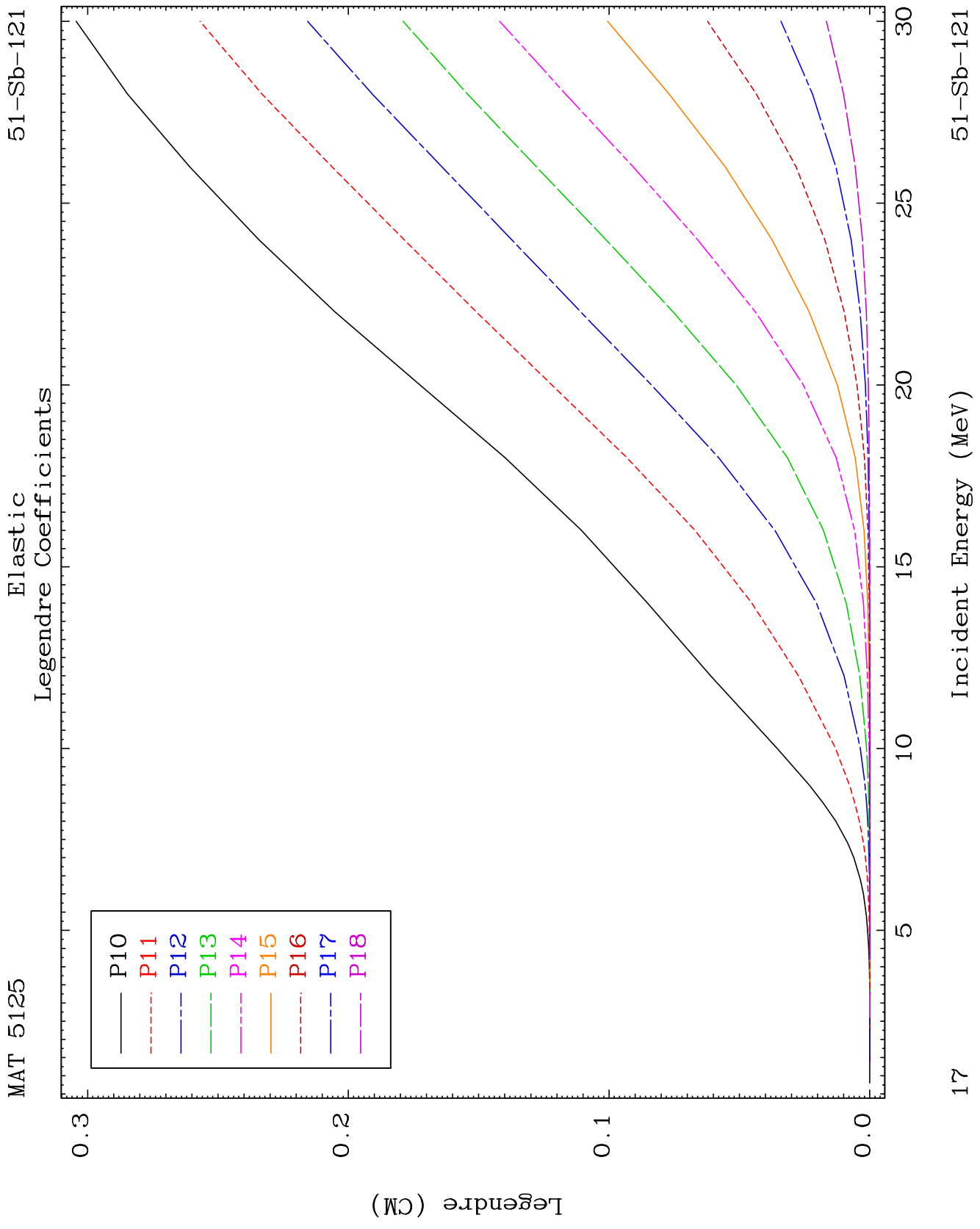
51-Sb-121



16

Incident Energy (MeV)

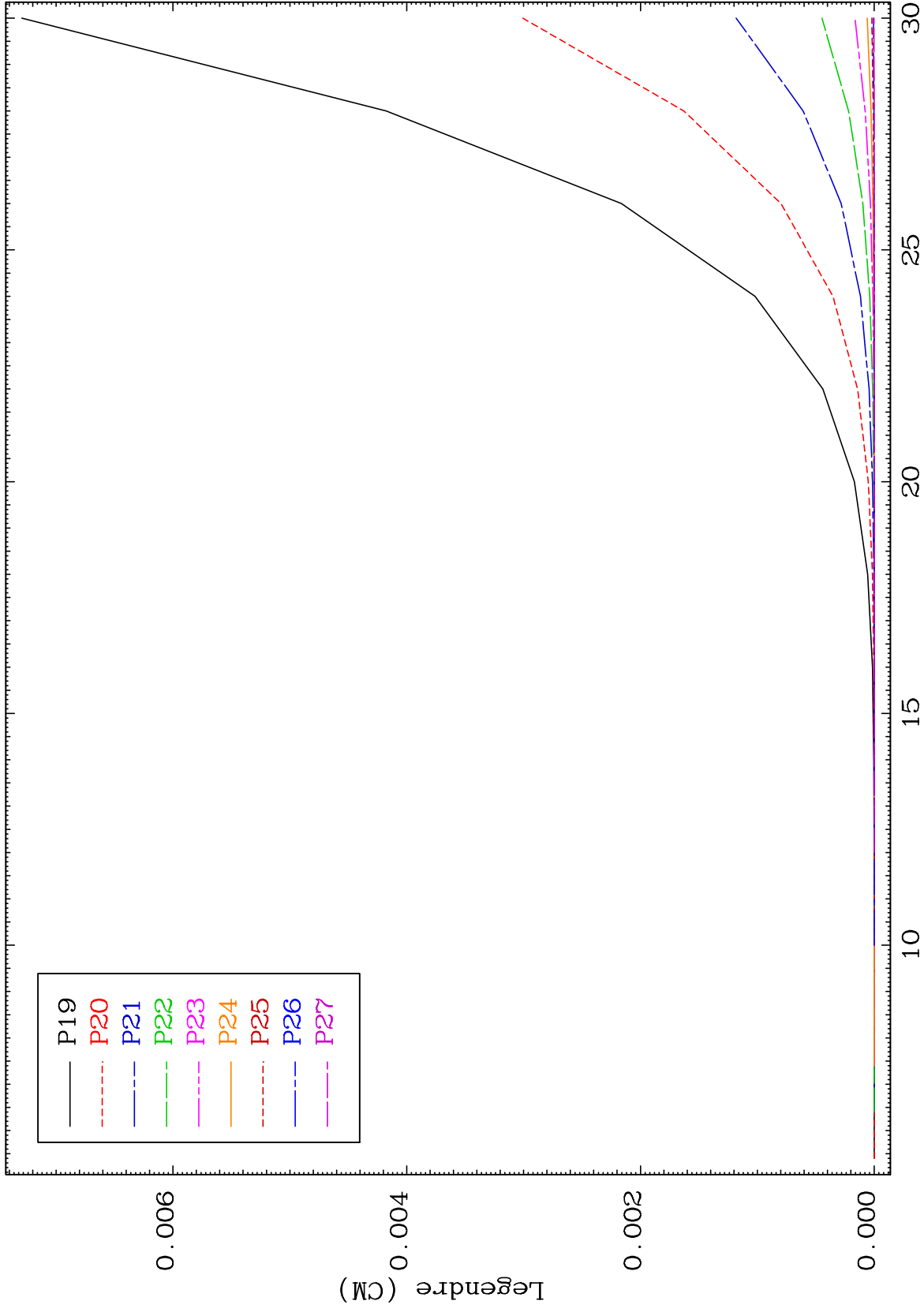
51-Sb-121



MAT 5125

Elastic Legendre Coefficients

51-Sb-121



18

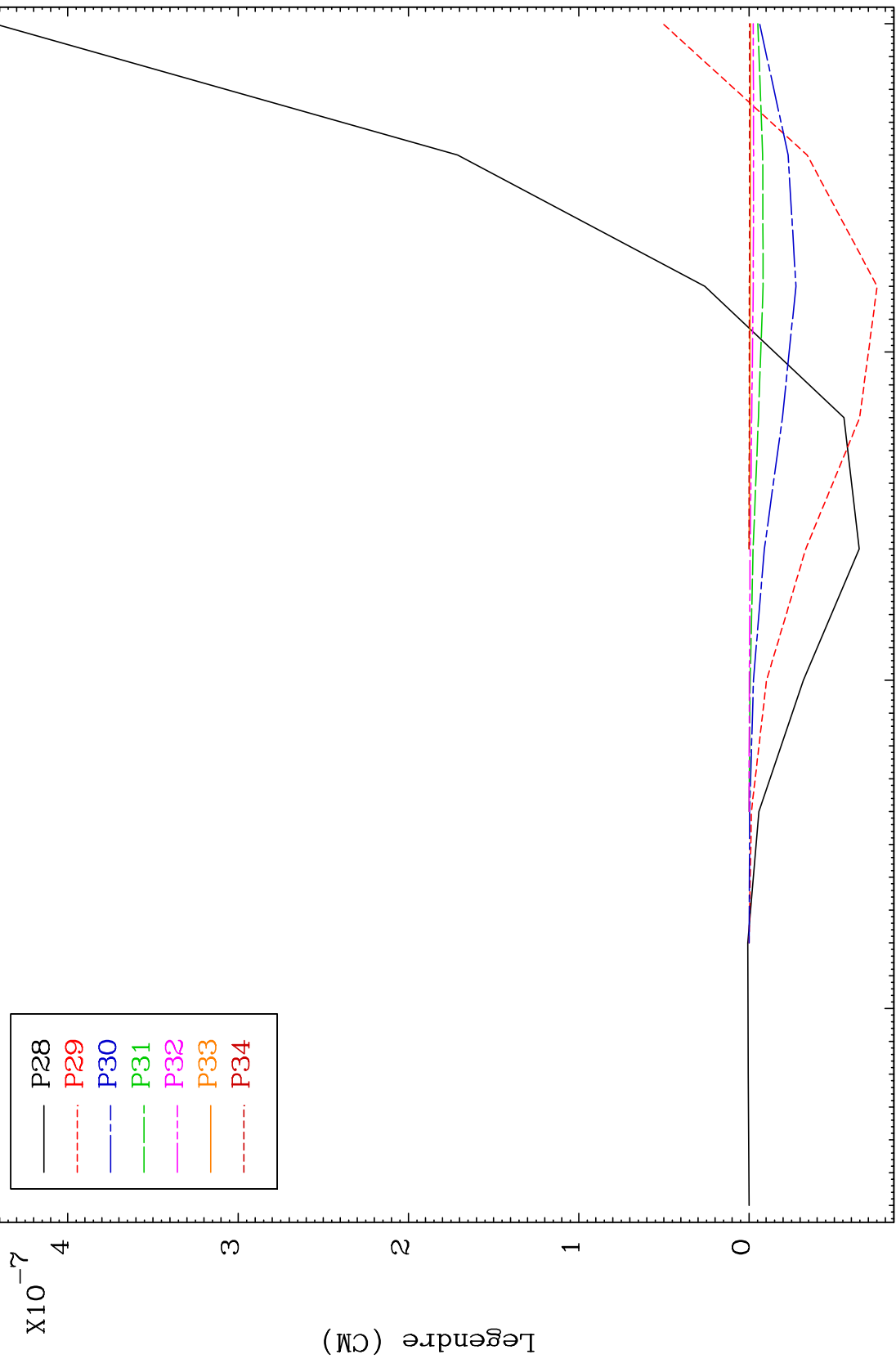
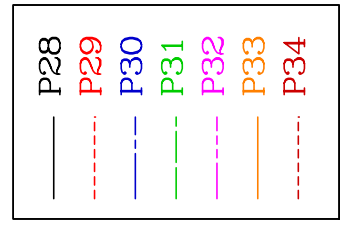
Incident Energy (MeV)

51-Sb-121

MAT 5125

Elastic Legendre Coefficients

51-Sb-121



19

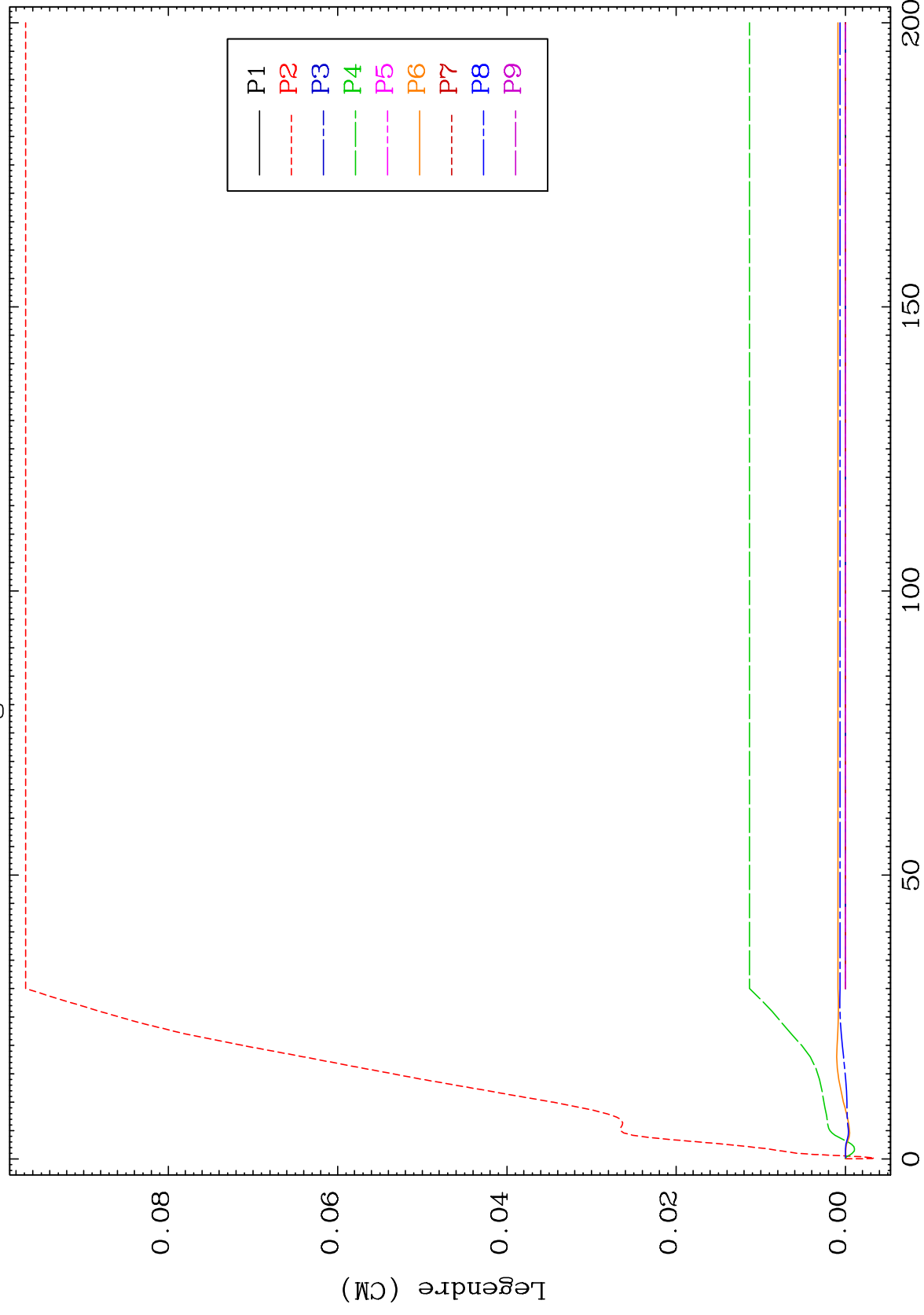
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

51-Sb-121



51-Sb-121

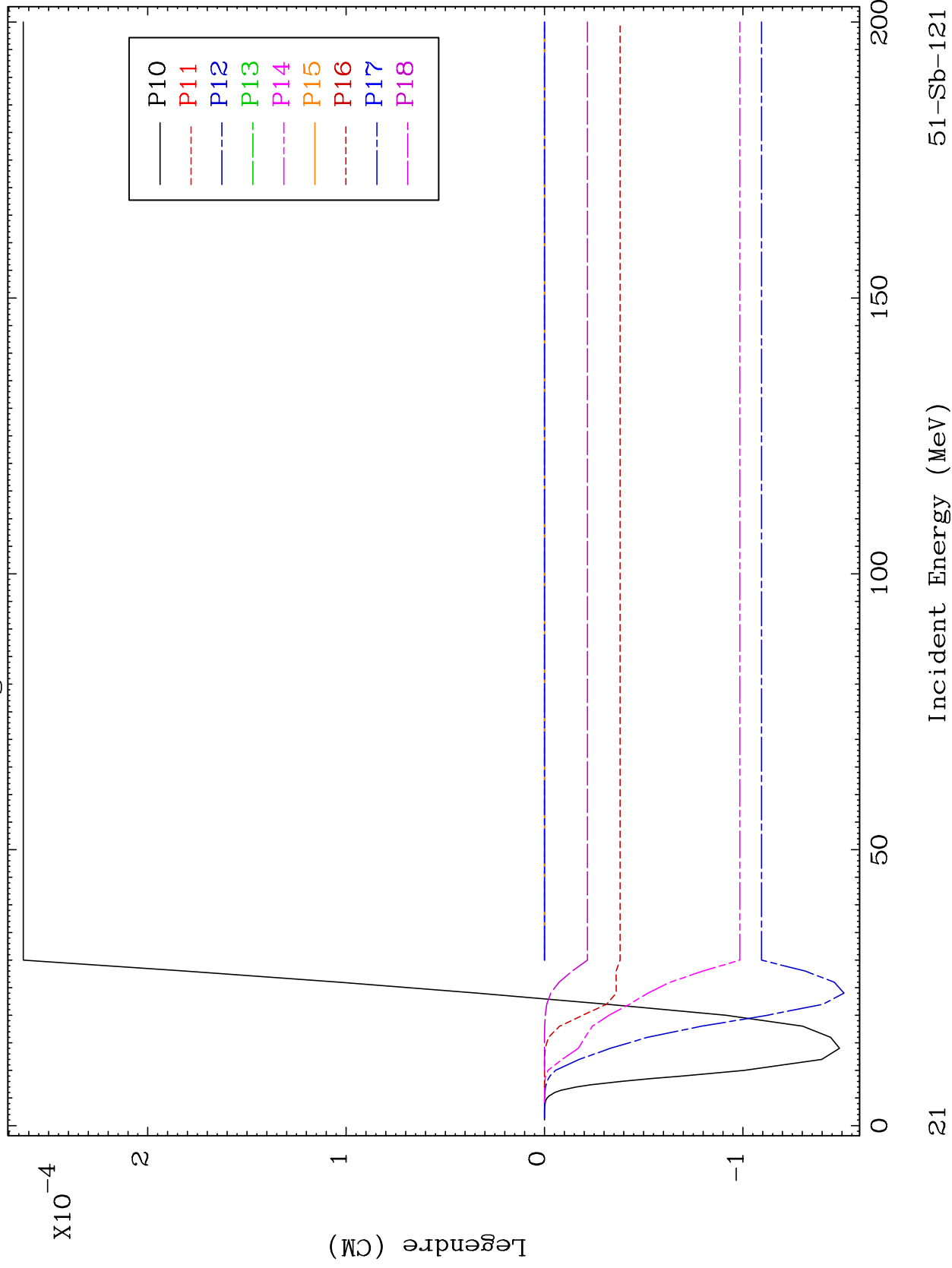
Incident Energy (MeV)

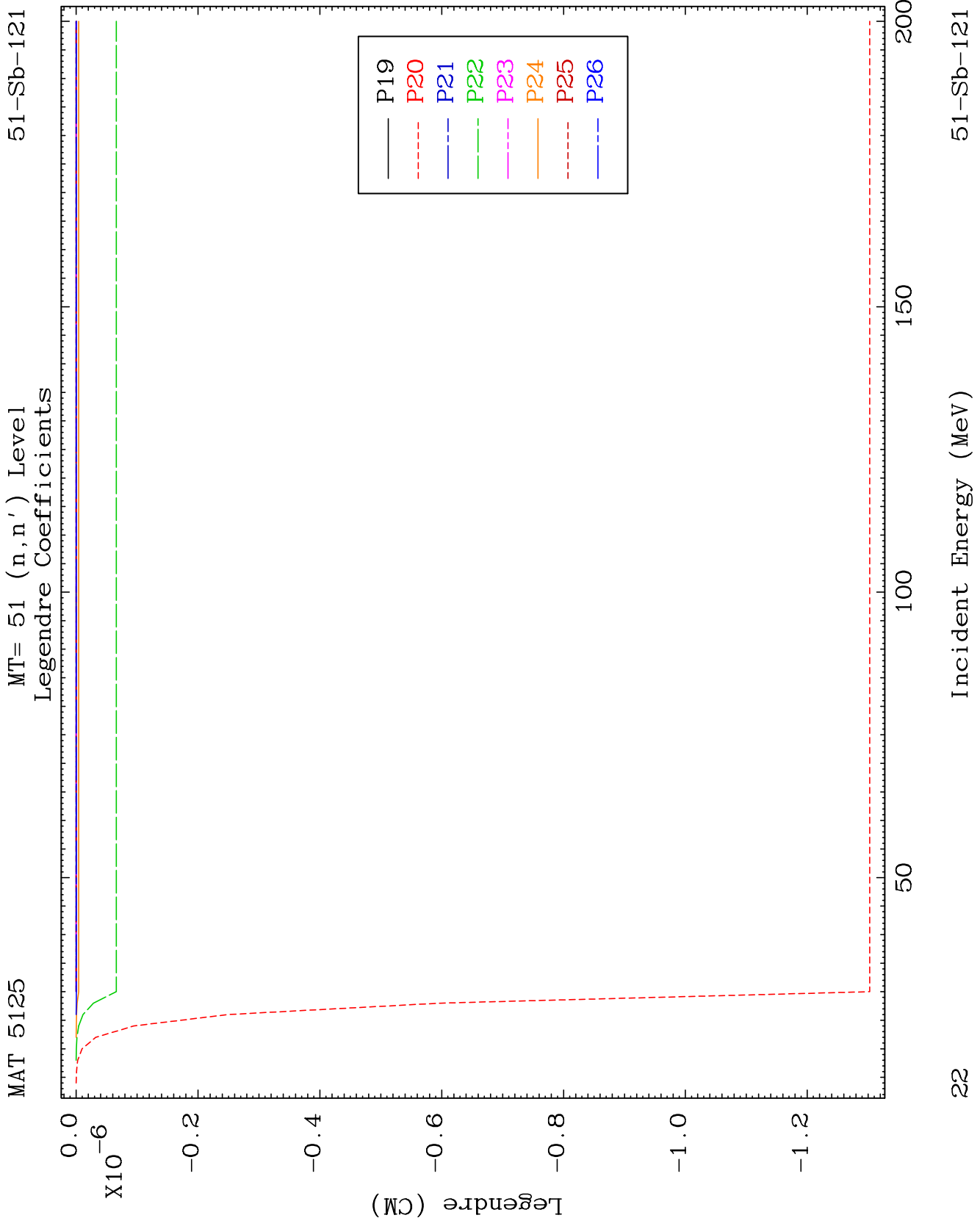
20

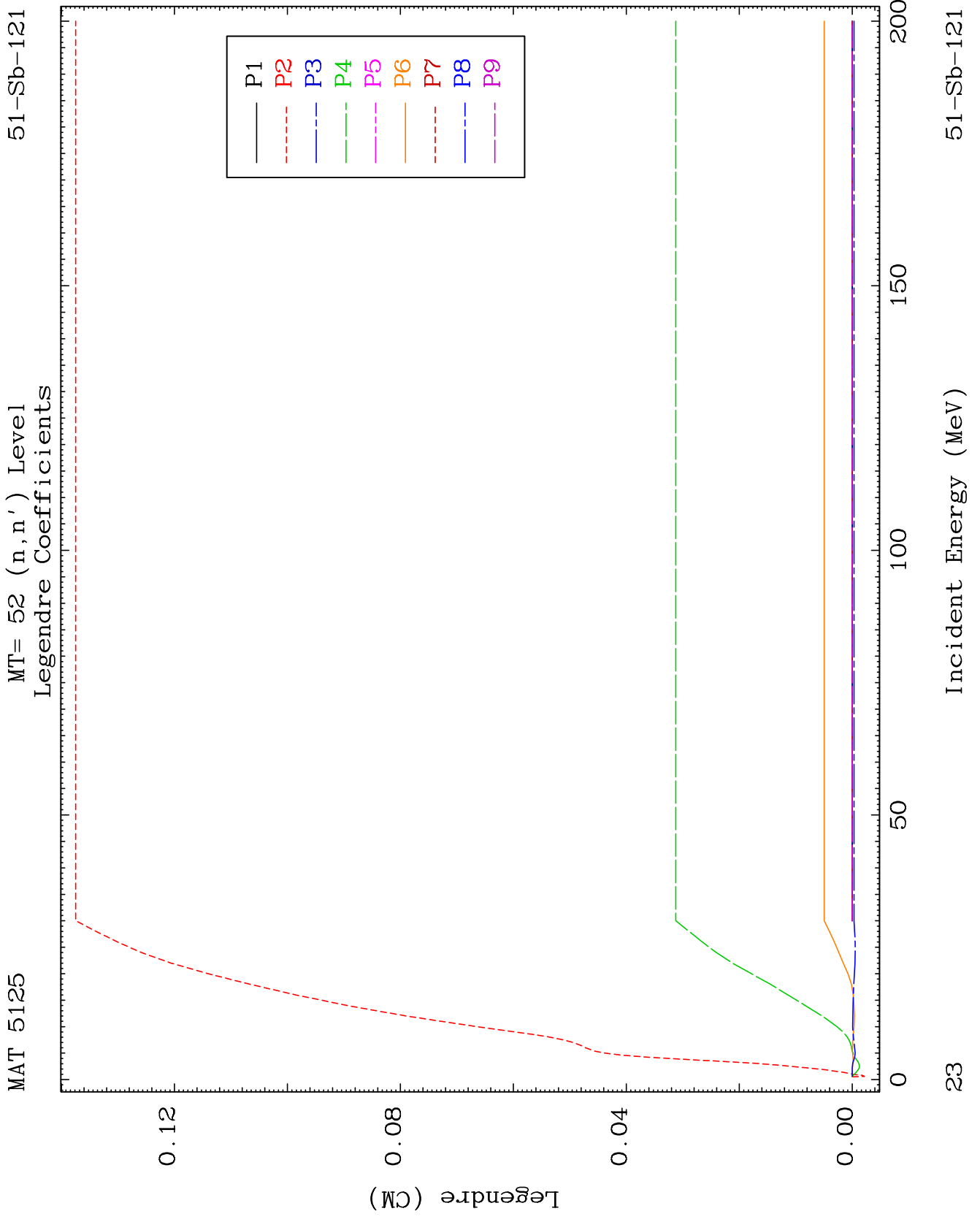
MAT 5125

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

51-Sb-121







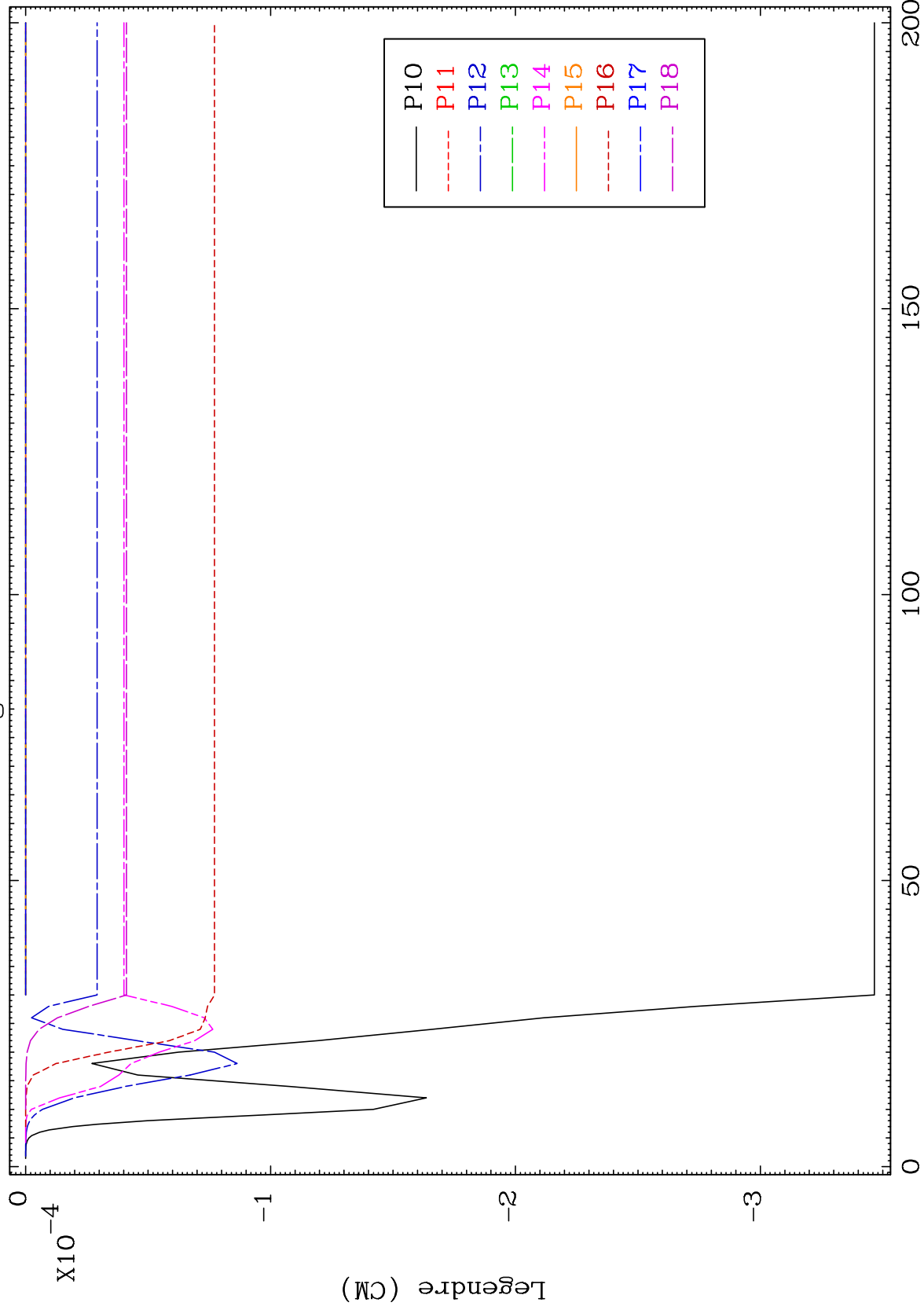


MAT 5125

MT= 52 (n,n') Level

51-Sb-121

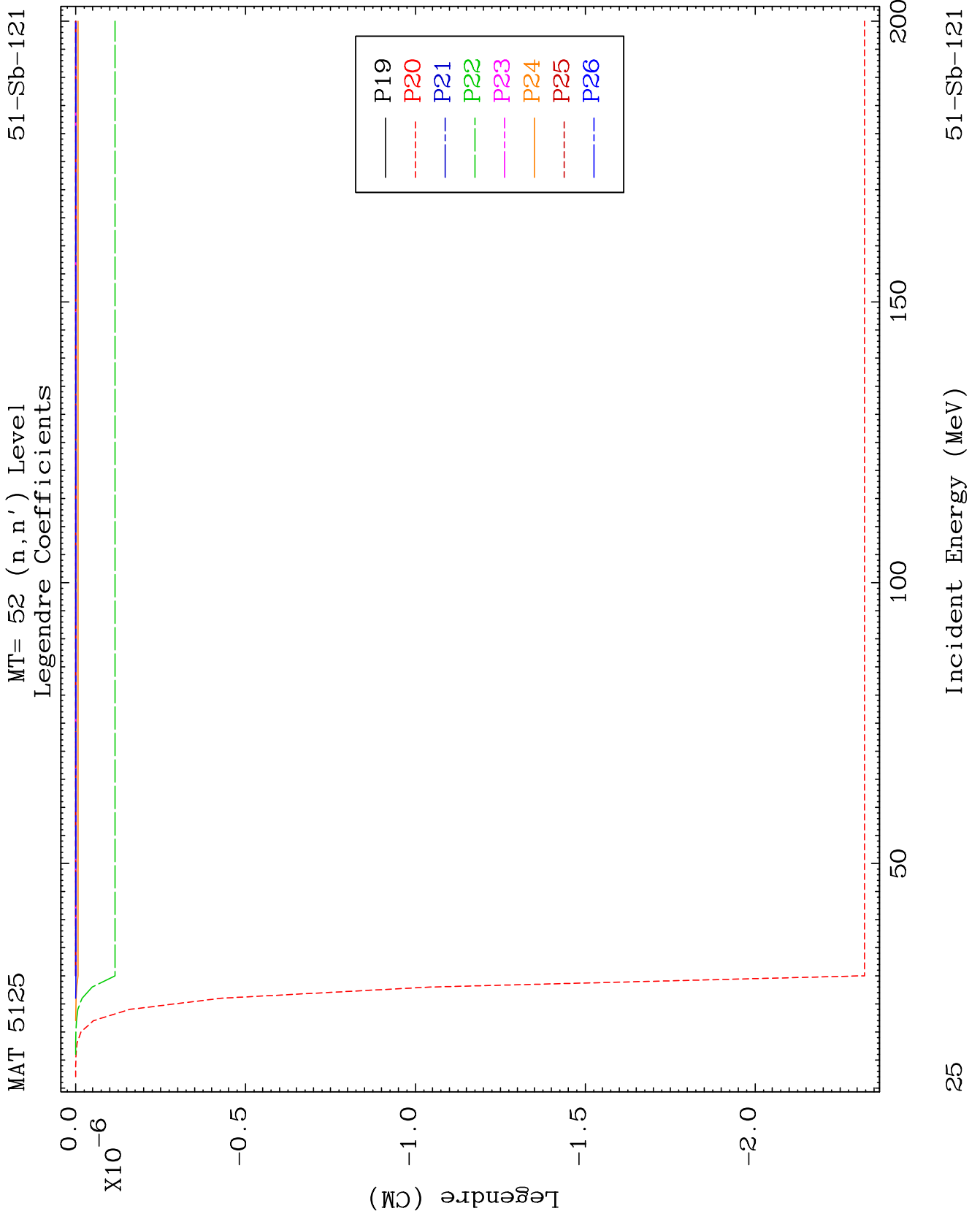
Legendre Coefficients



24

Incident Energy (MeV)

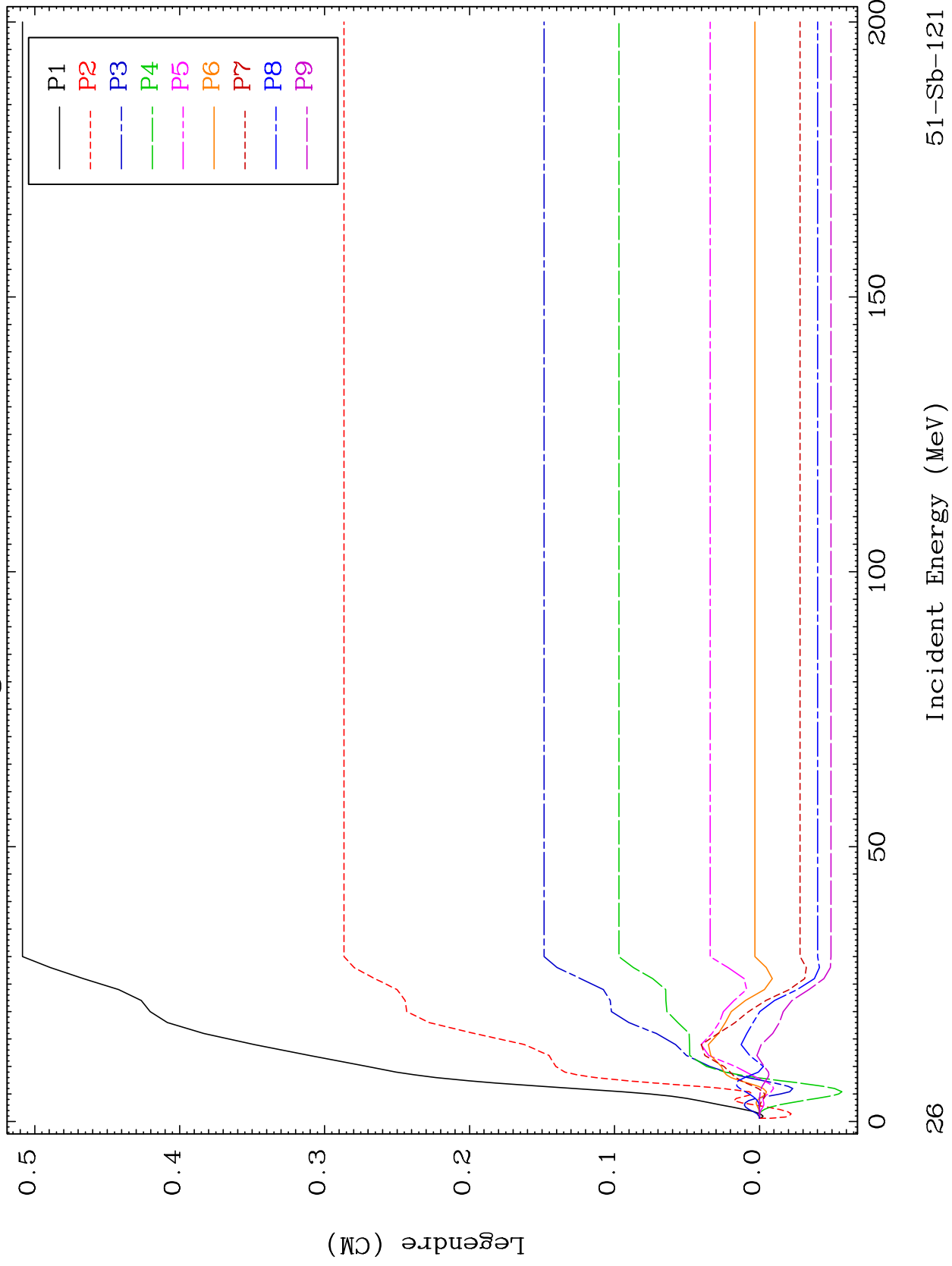
51-Sb-121



MAT 5125

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

51-Sb-121



51-Sb-121

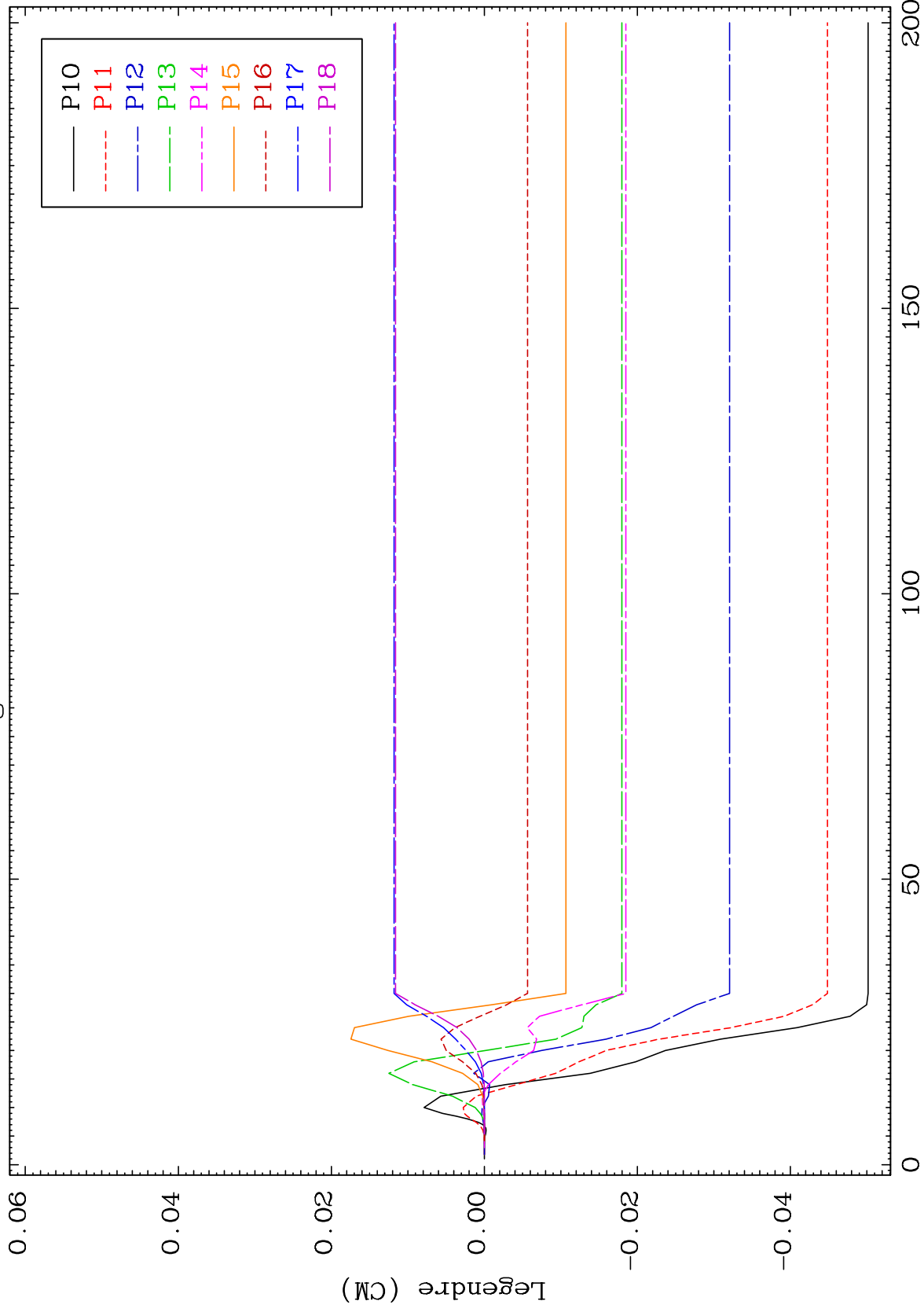
Incident Energy (MeV)

26

MAT 5125

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

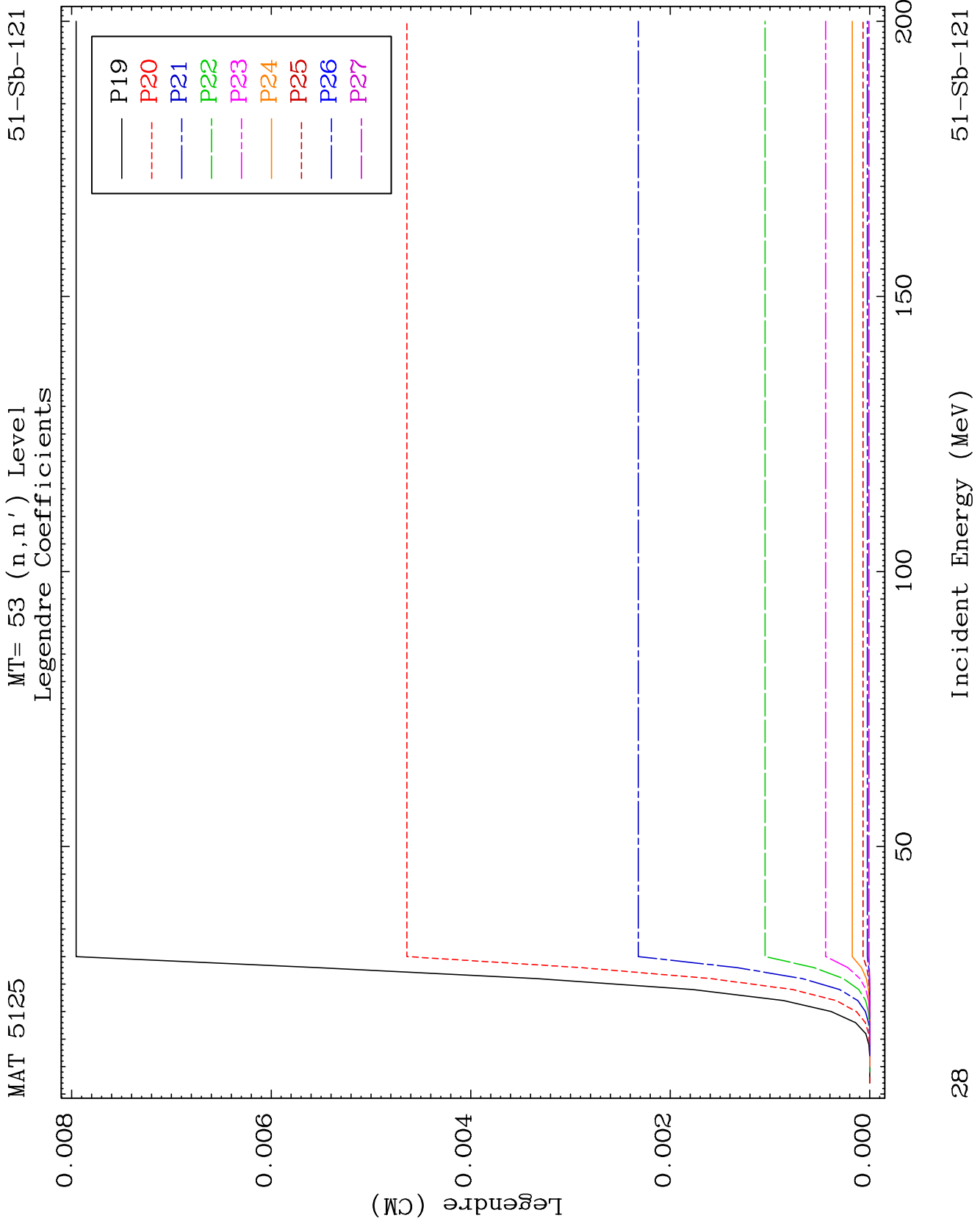
51-Sb-121



27

Incident Energy (MeV)

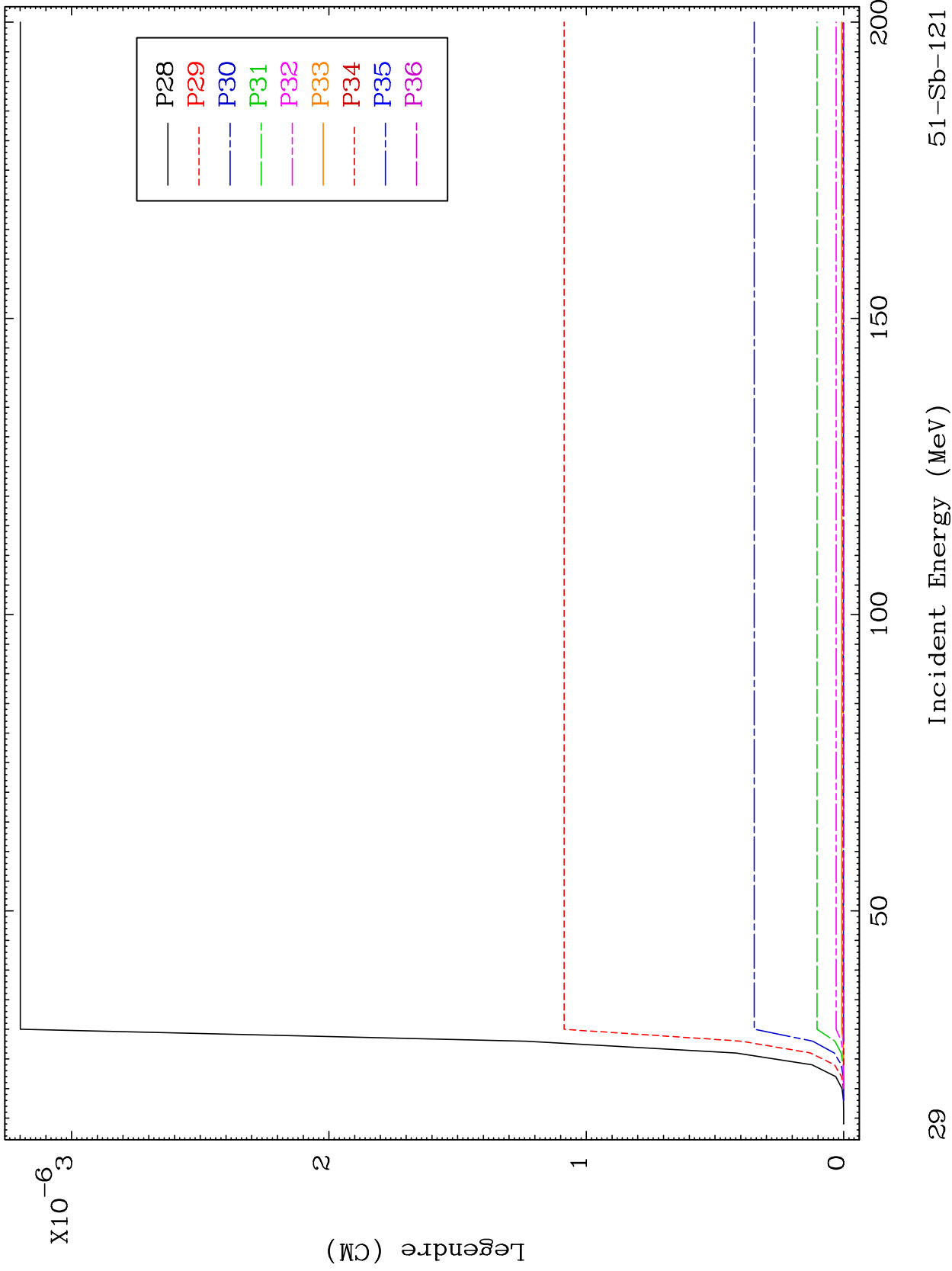
51-Sb-121



MAT 5125

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

51-Sb-121



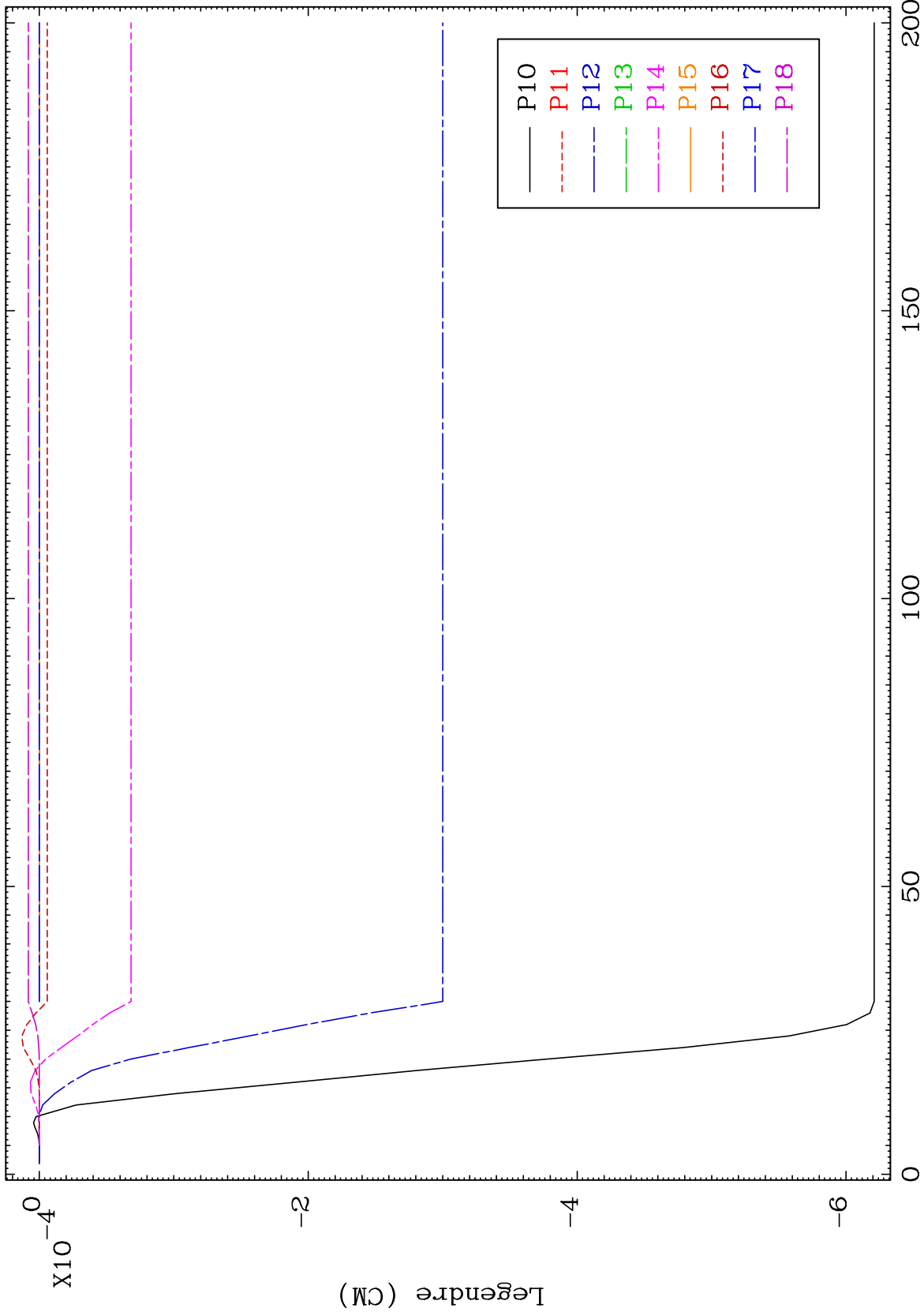


MAT 5125

MT= 54 (n,n') Level

51-Sb-121

Legendre Coefficients



31

Incident Energy (MeV)

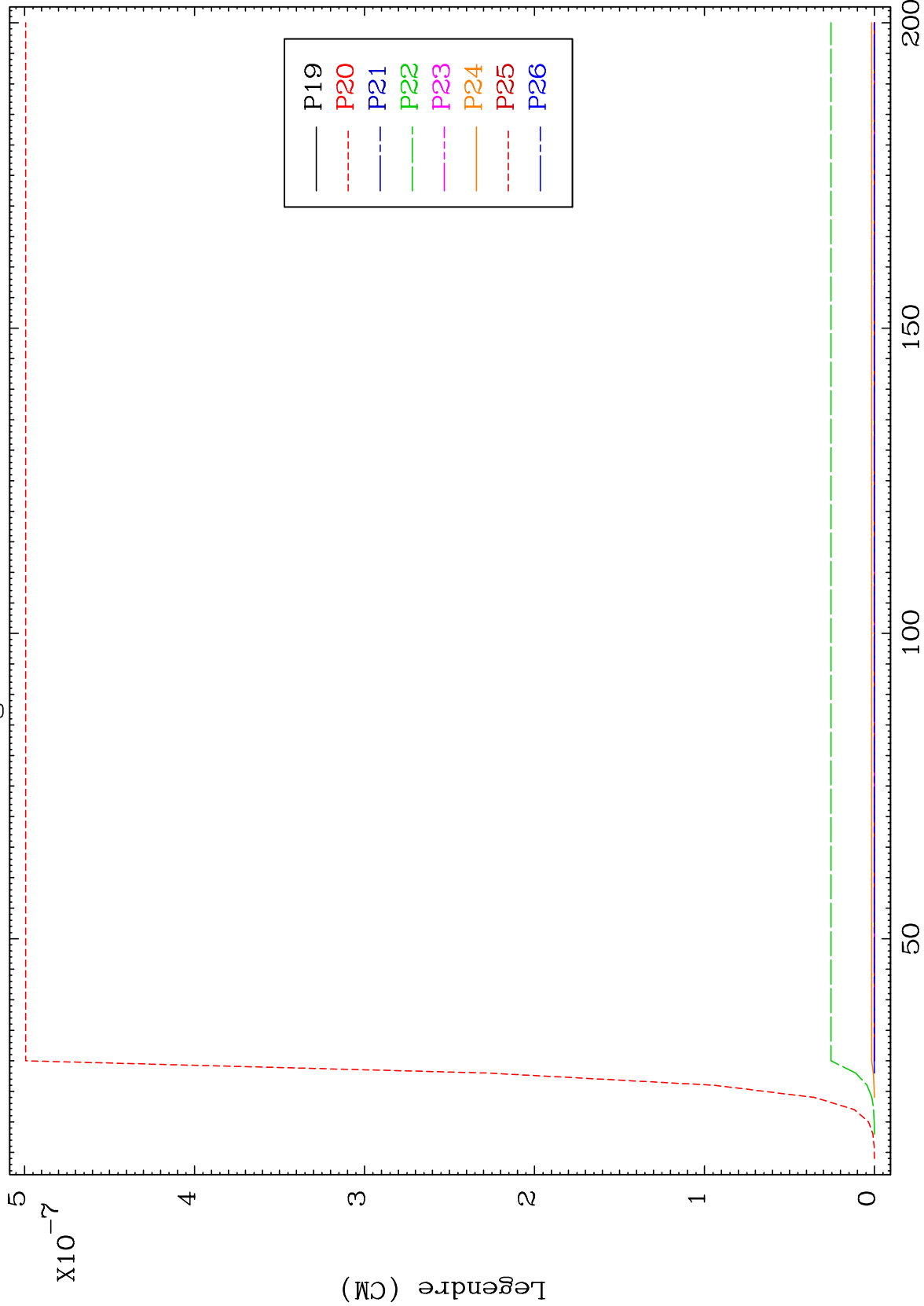
51-Sb-121



MAT 5125

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

51-Sb-121



32

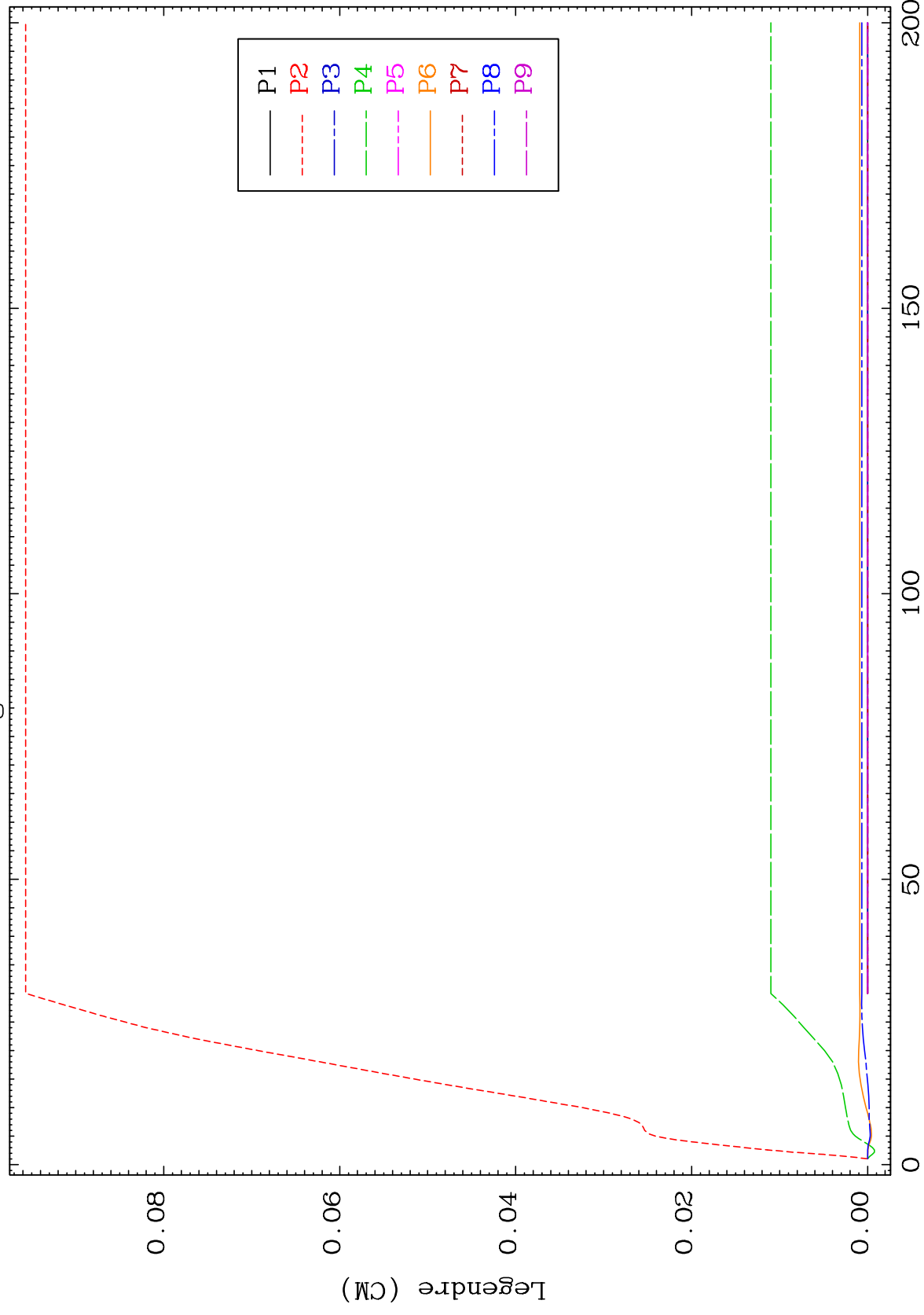
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

51-Sb-121



33

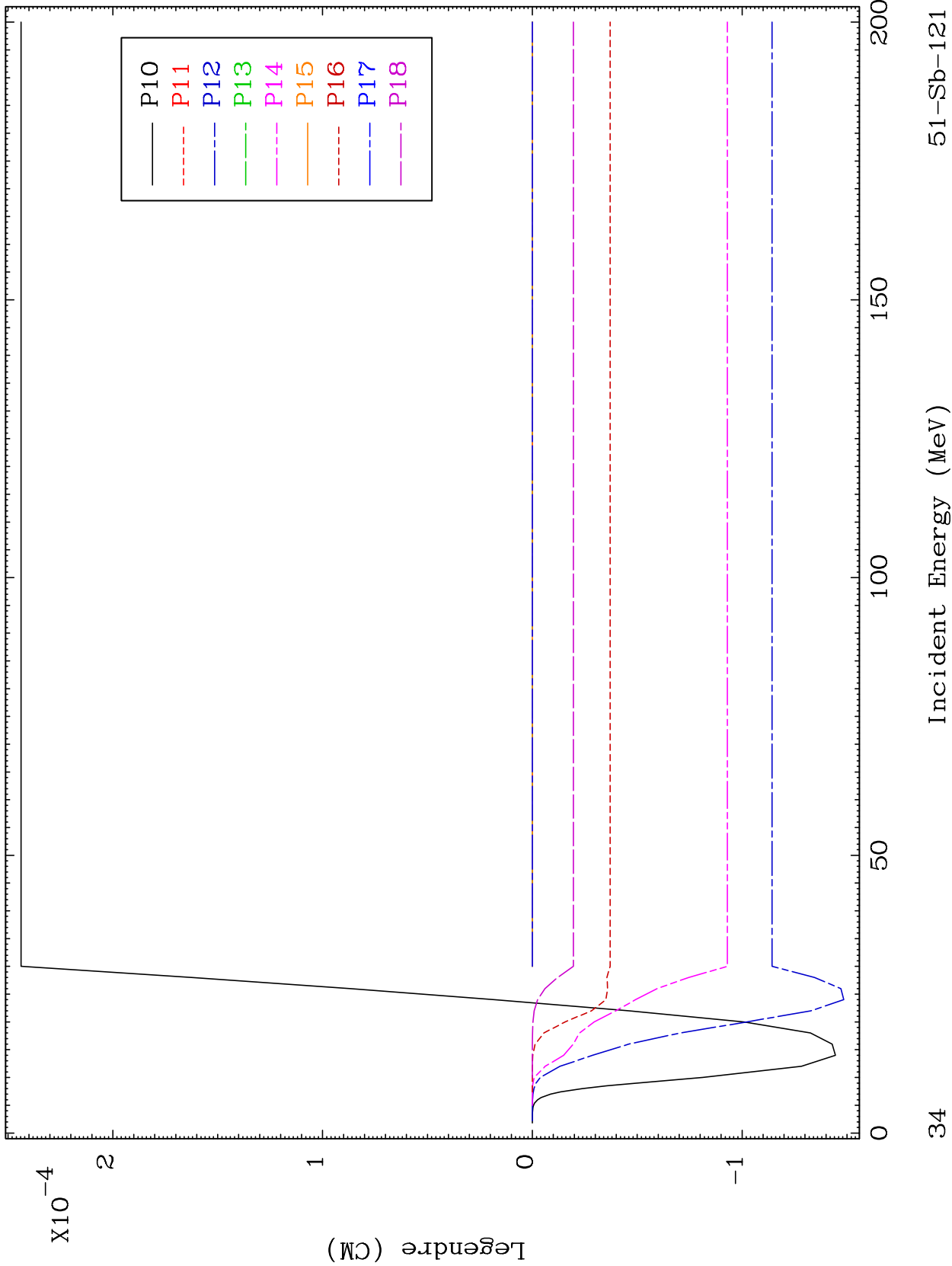
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

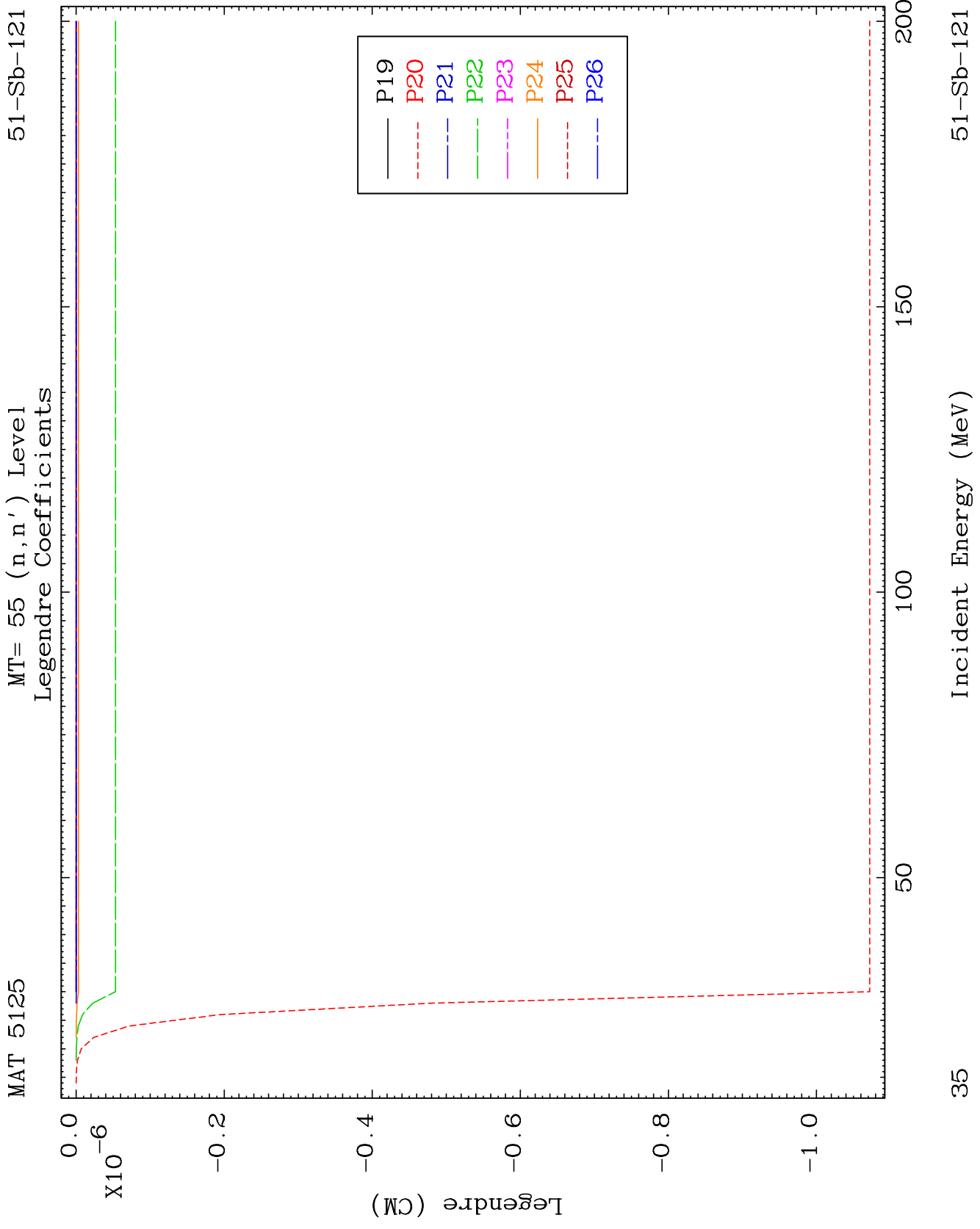
51-Sb-121



34

Incident Energy (MeV)

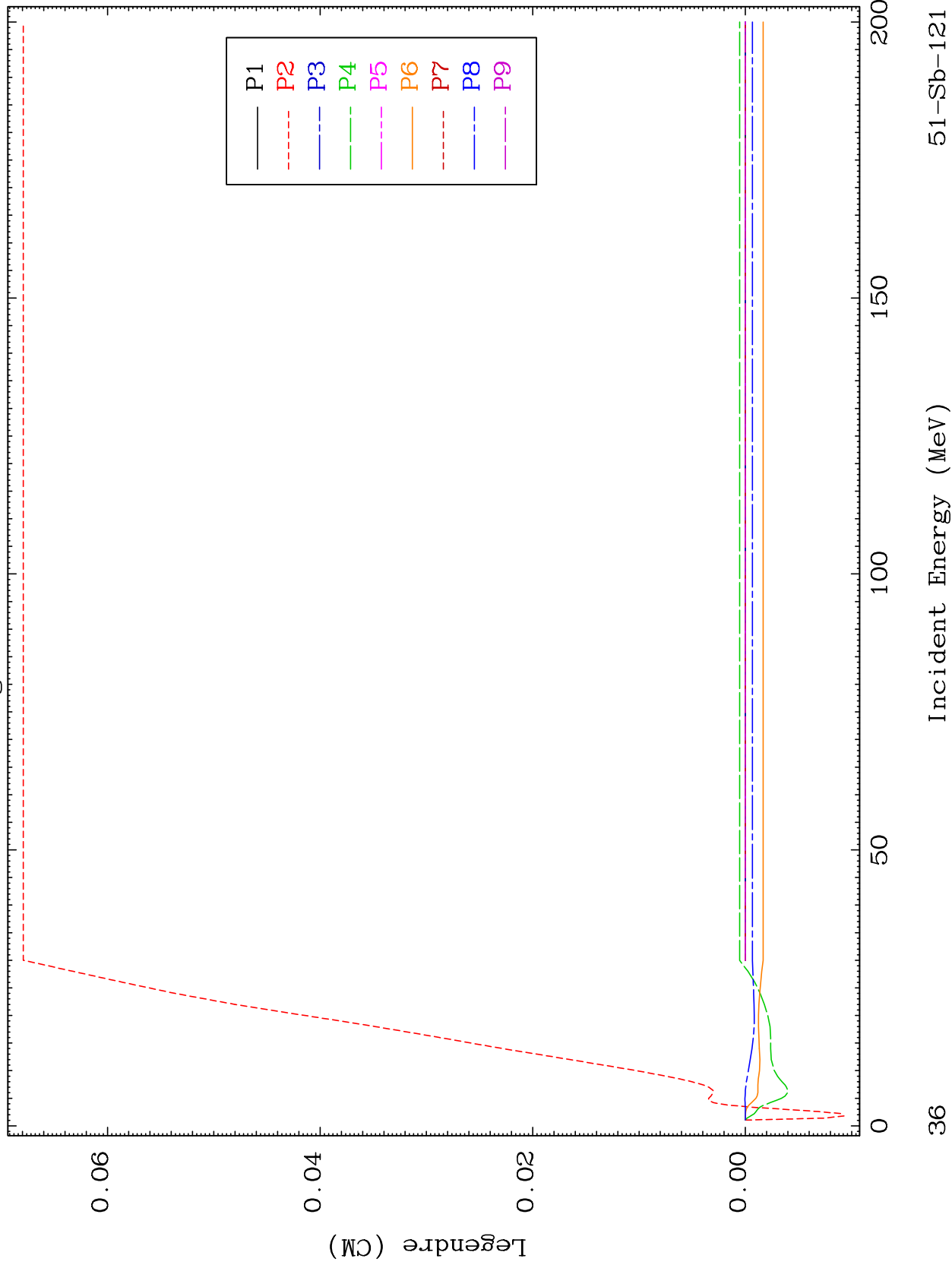
51-Sb-121



MAT 5125

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

51-Sb-121



51-Sb-121

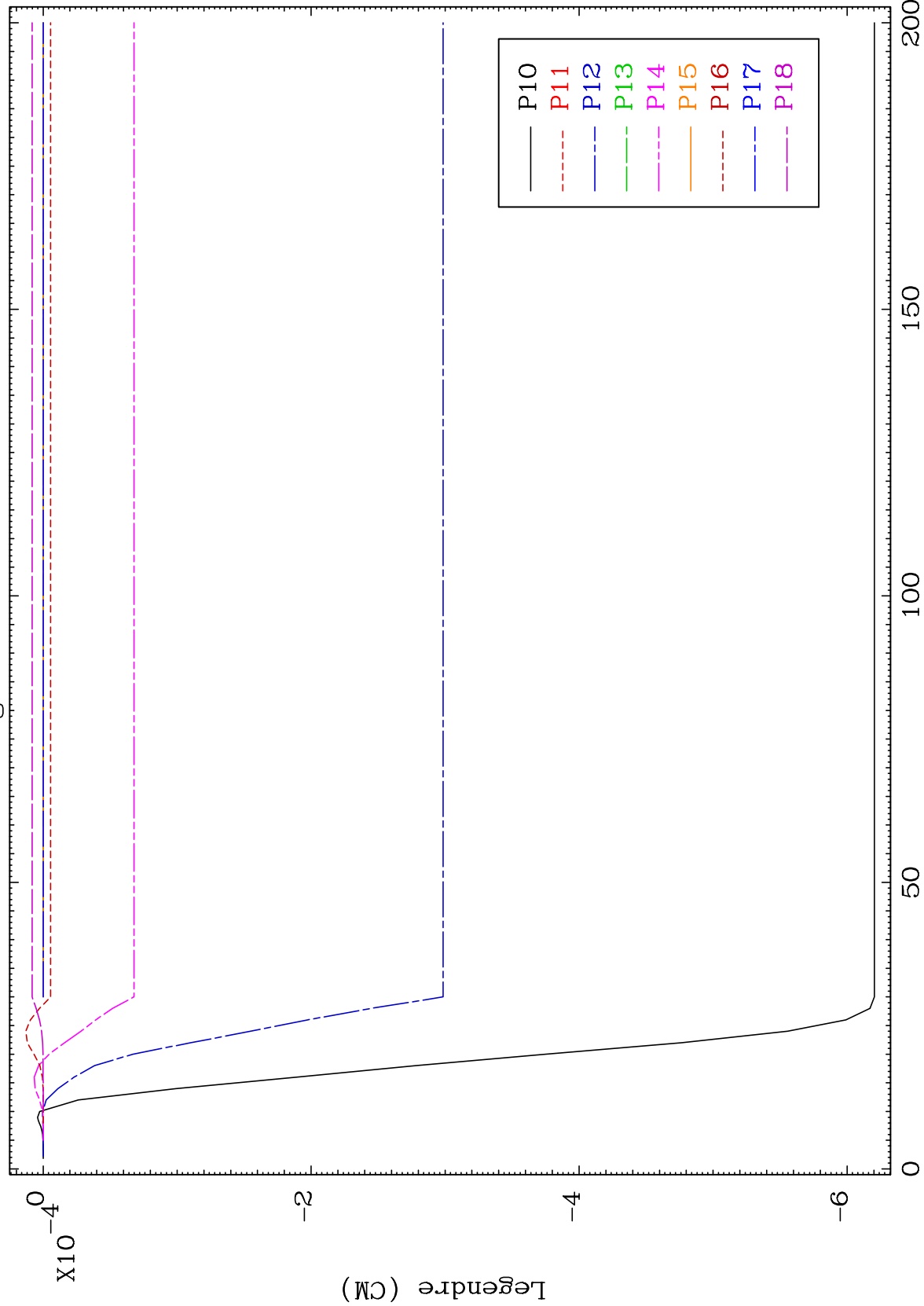
Incident Energy (MeV)

36

MAT 5125

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

51-Sb-121



37

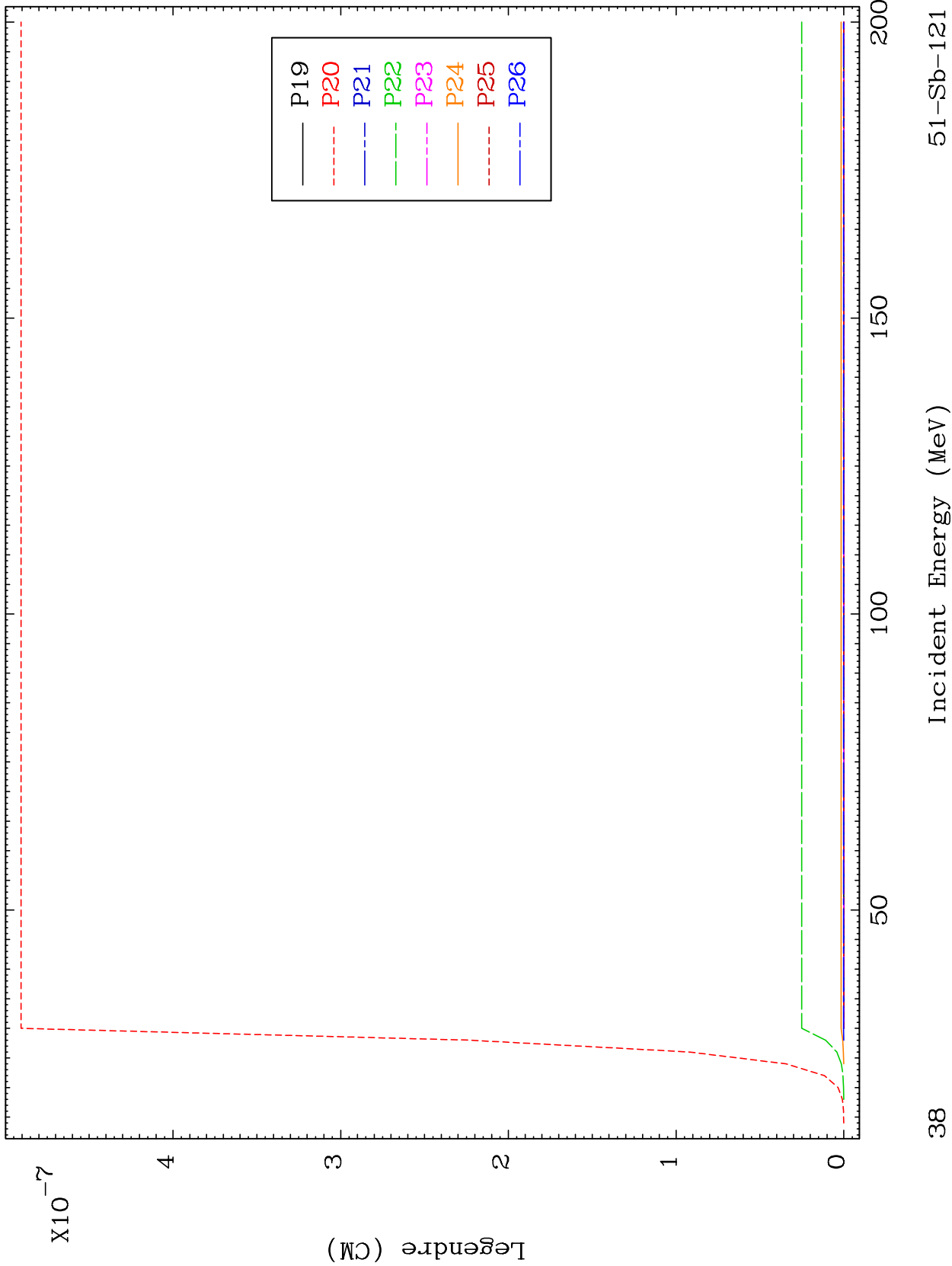
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

51-Sb-121



38

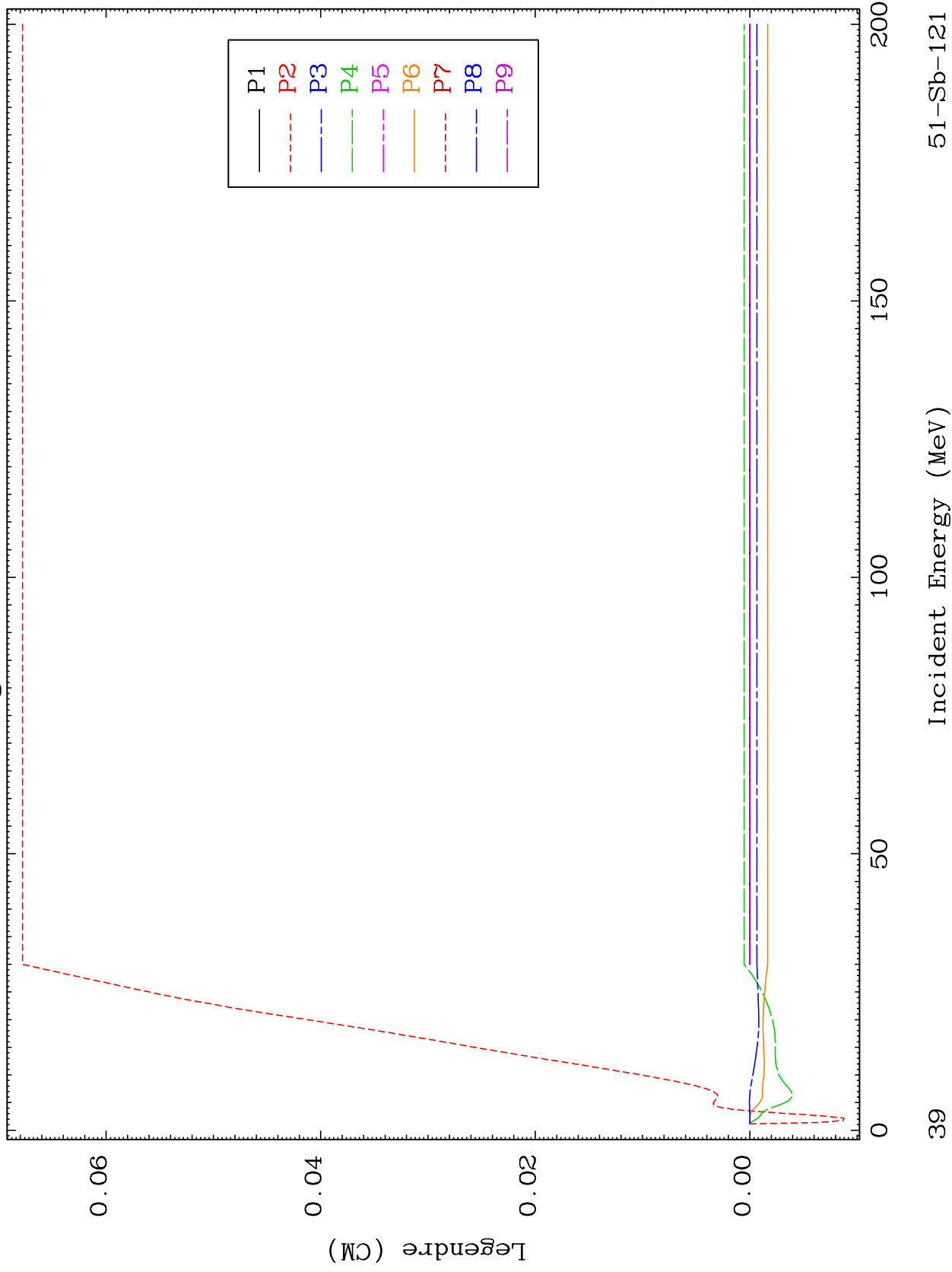
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

51-Sb-121



51-Sb-121

Incident Energy (MeV)

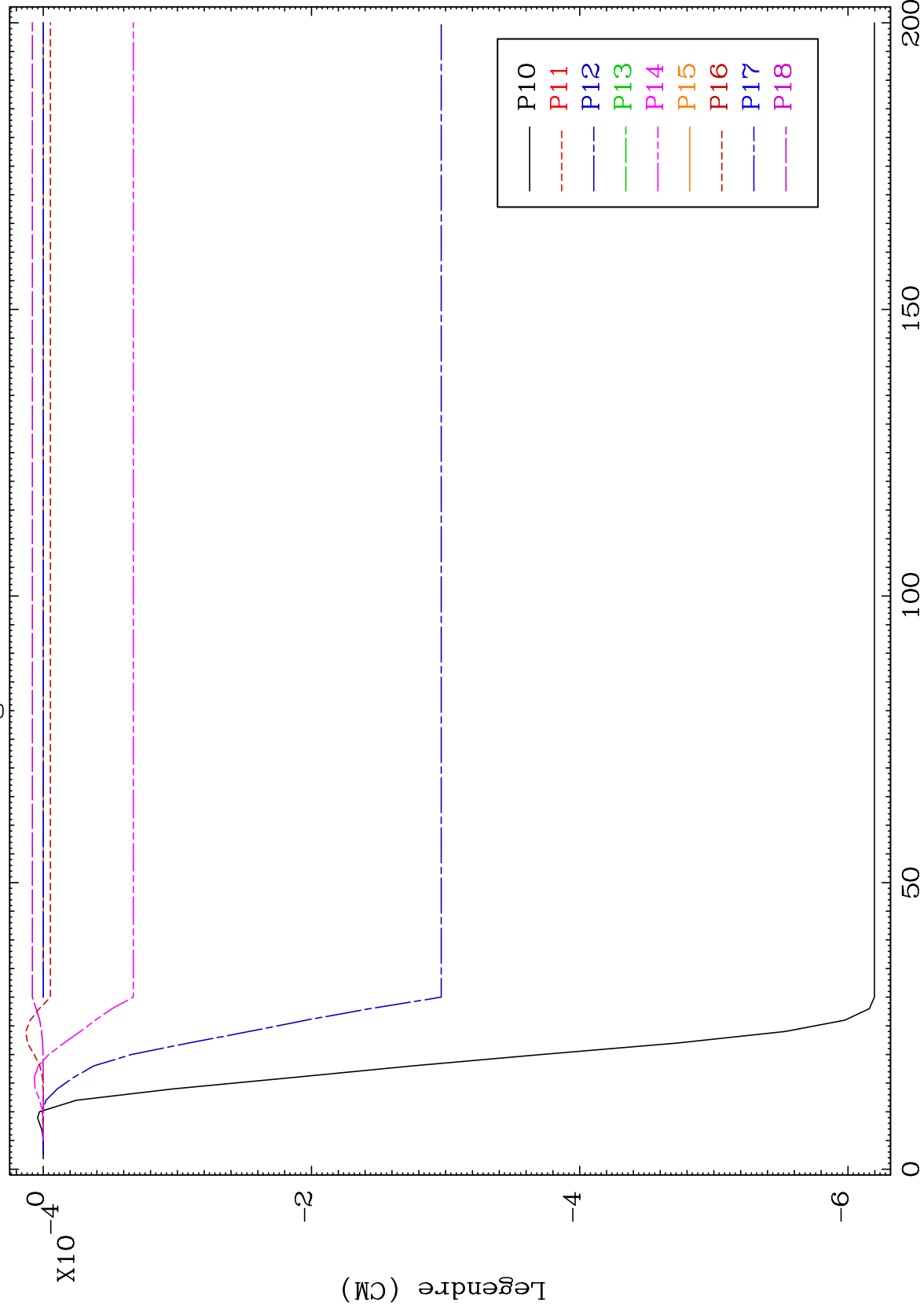
39



MAT 5125

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

51-Sb-121



51-Sb-121

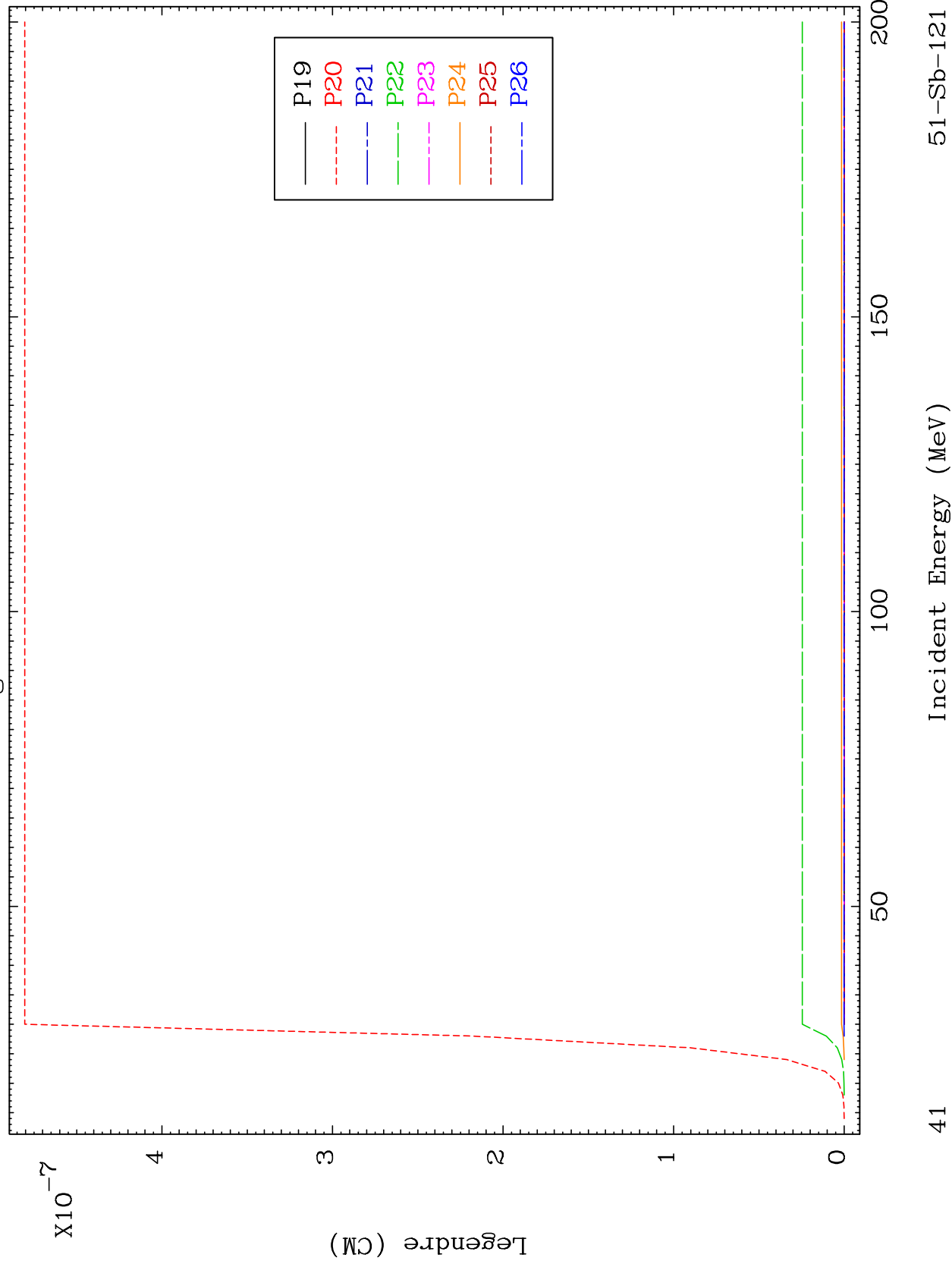
Incident Energy (MeV)

40

MAT 5125

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

51-Sb-121



41

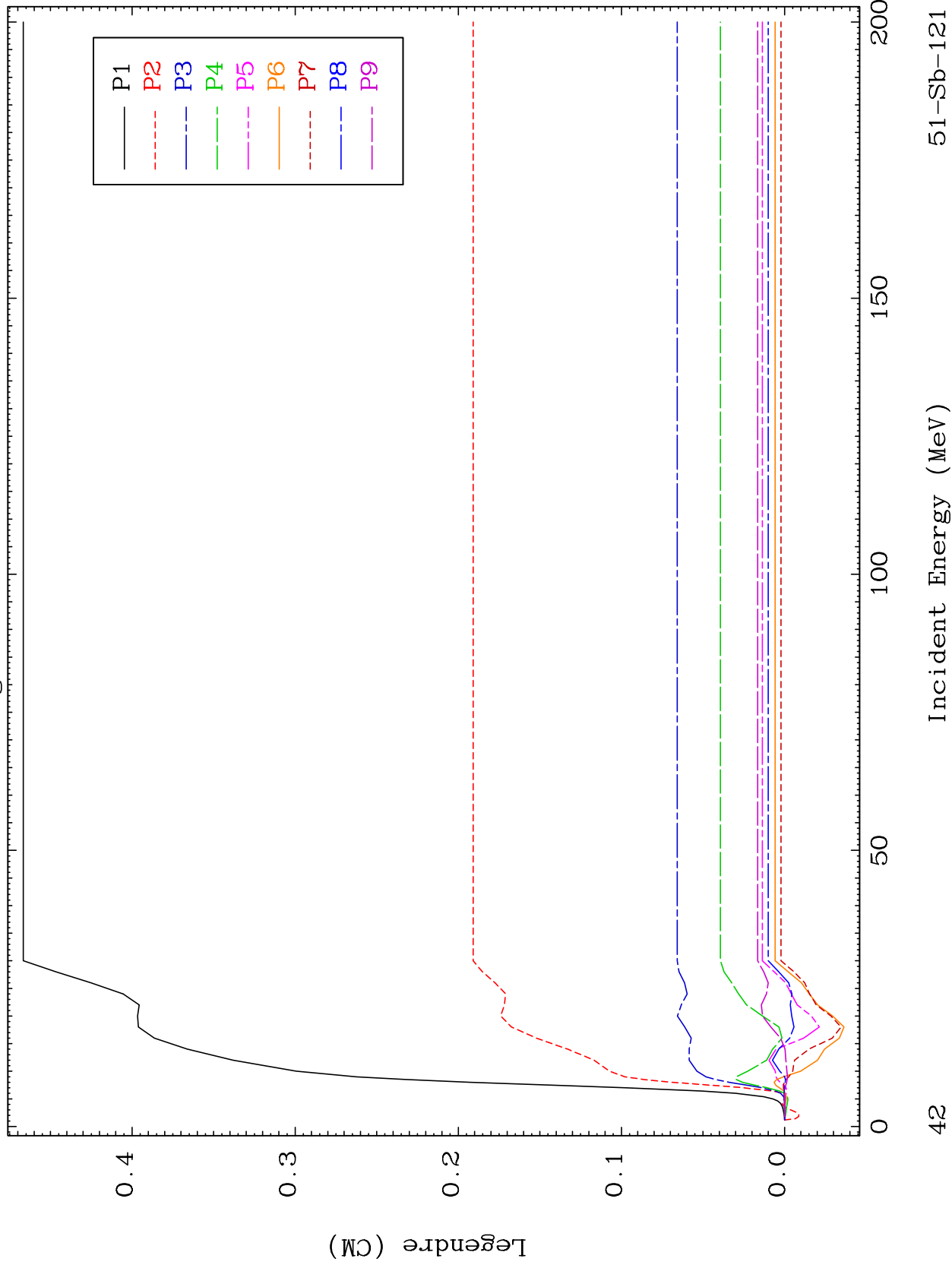
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

51-Sb-121



51-Sb-121

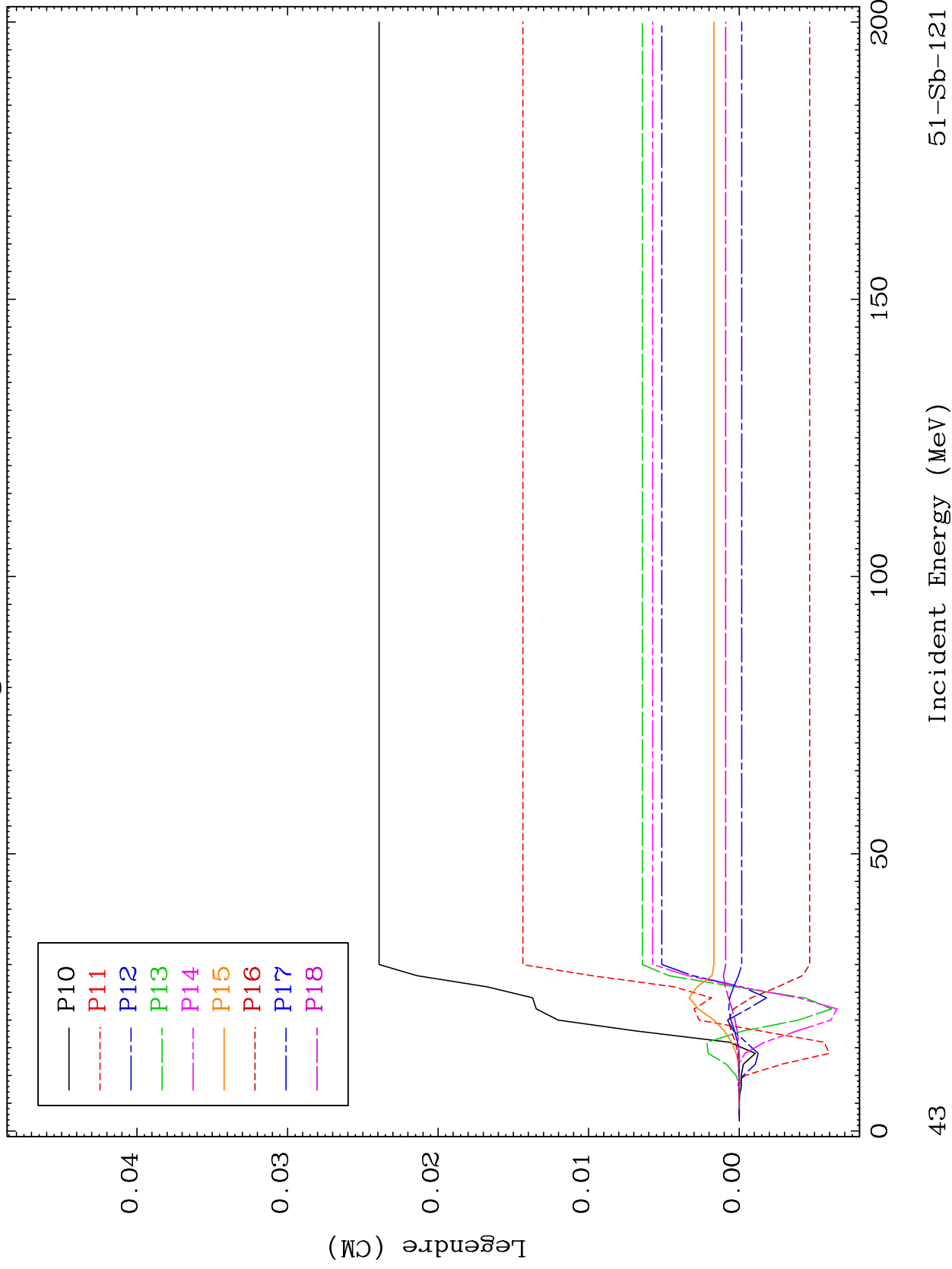
Incident Energy (MeV)

42

MAT 5125

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

51-Sb-121



43

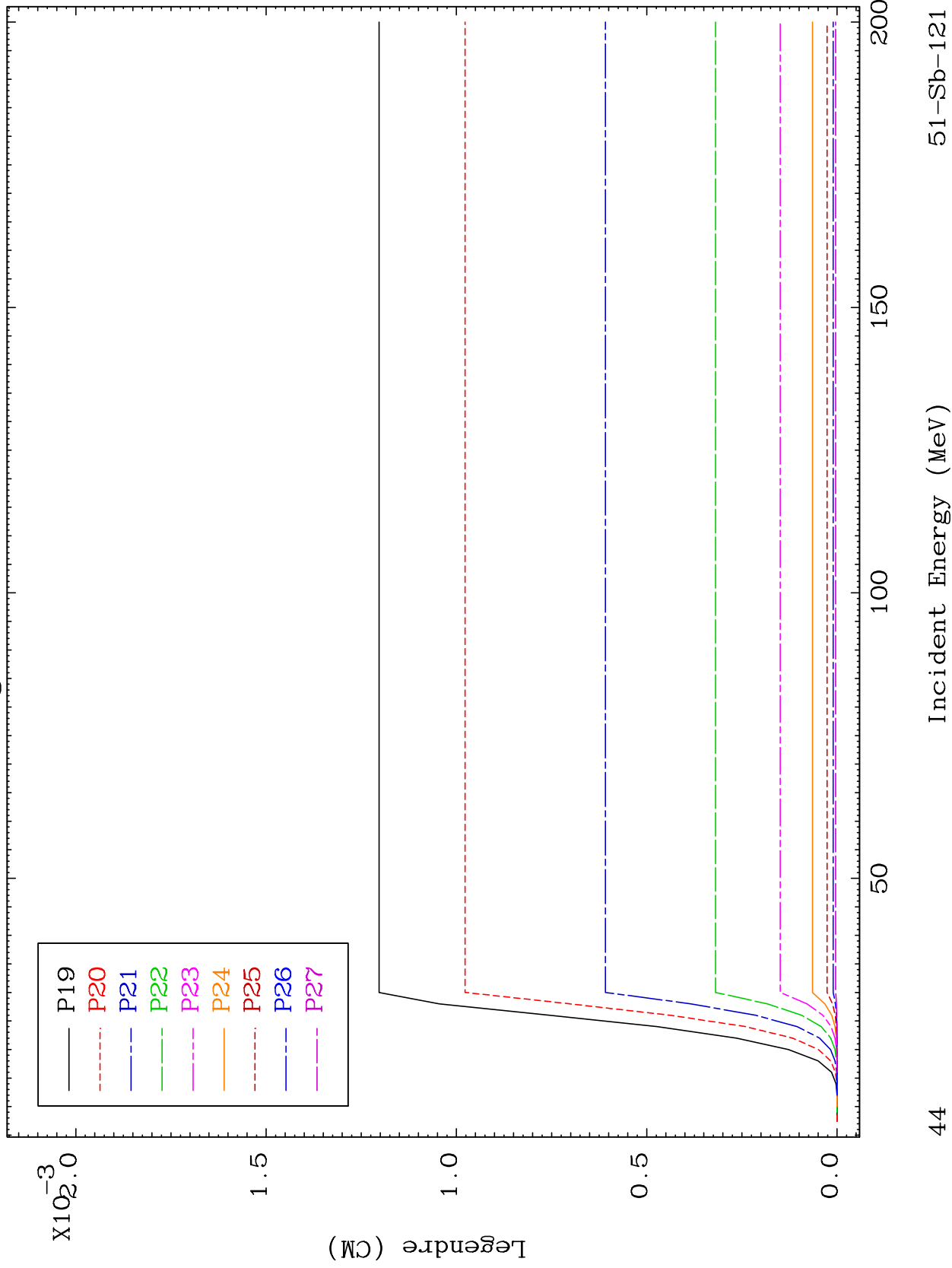
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

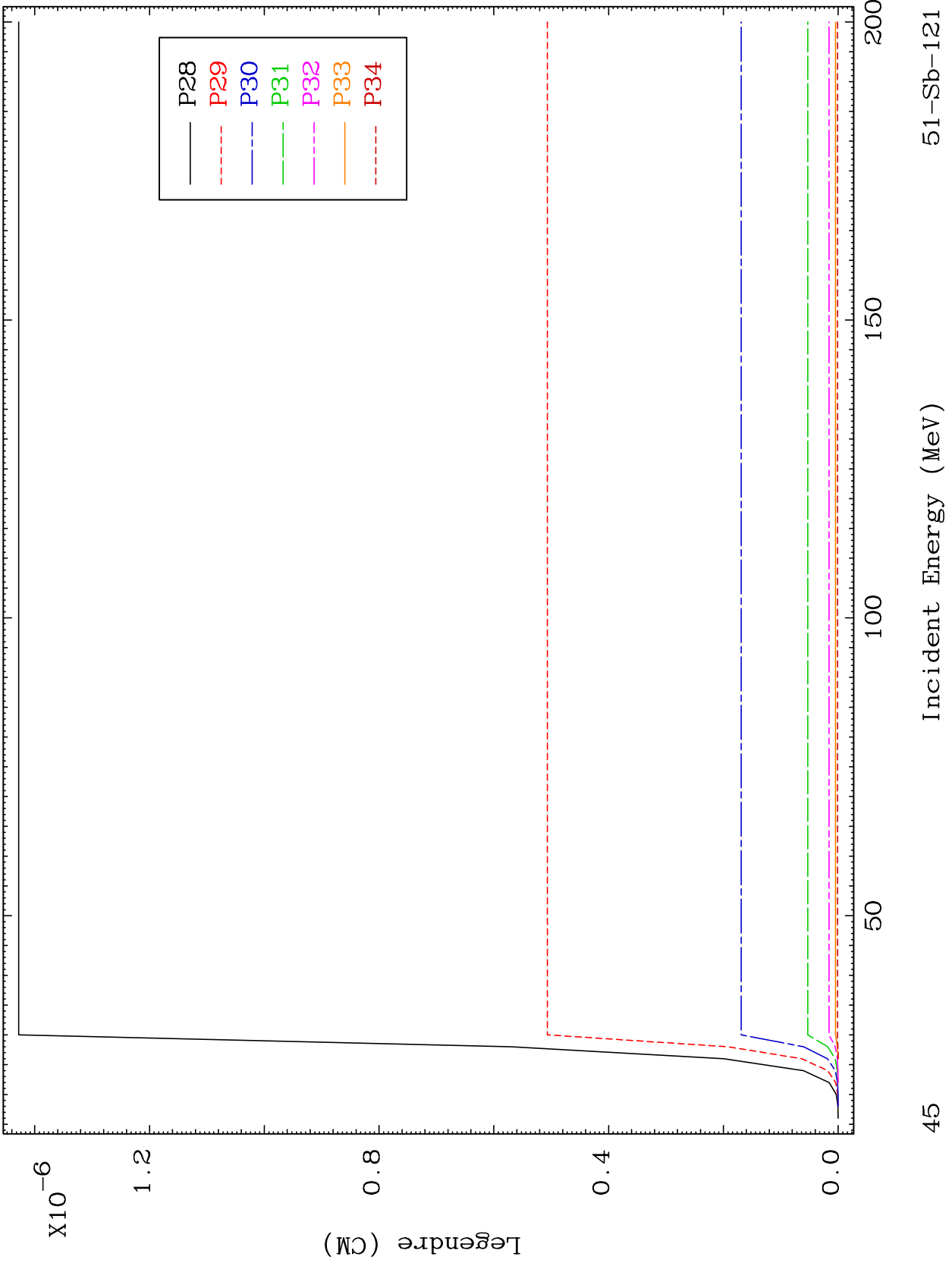
51-Sb-121



MAT 5125

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

51-Sb-121



45

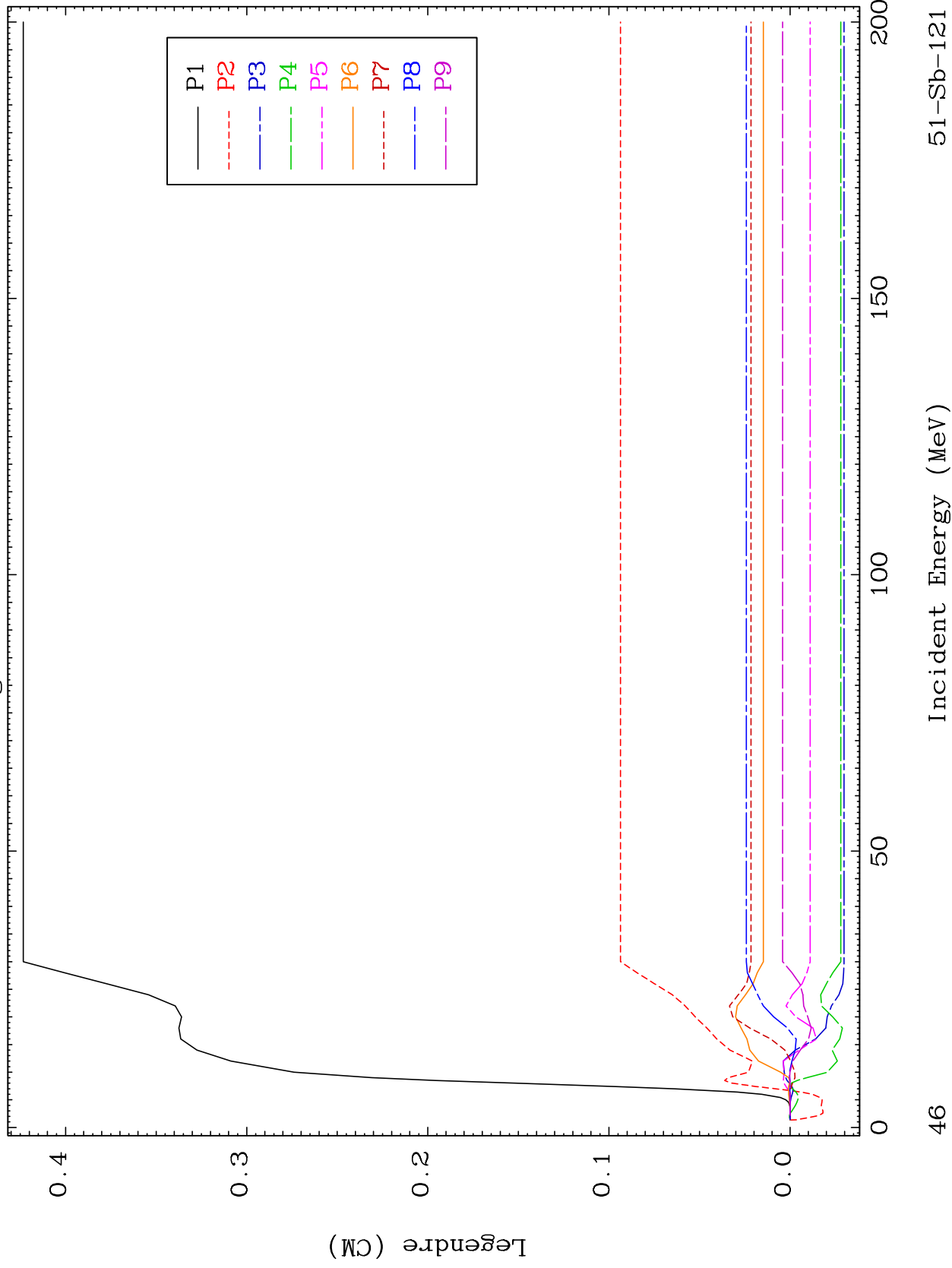
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

51-Sb-121



51-Sb-121

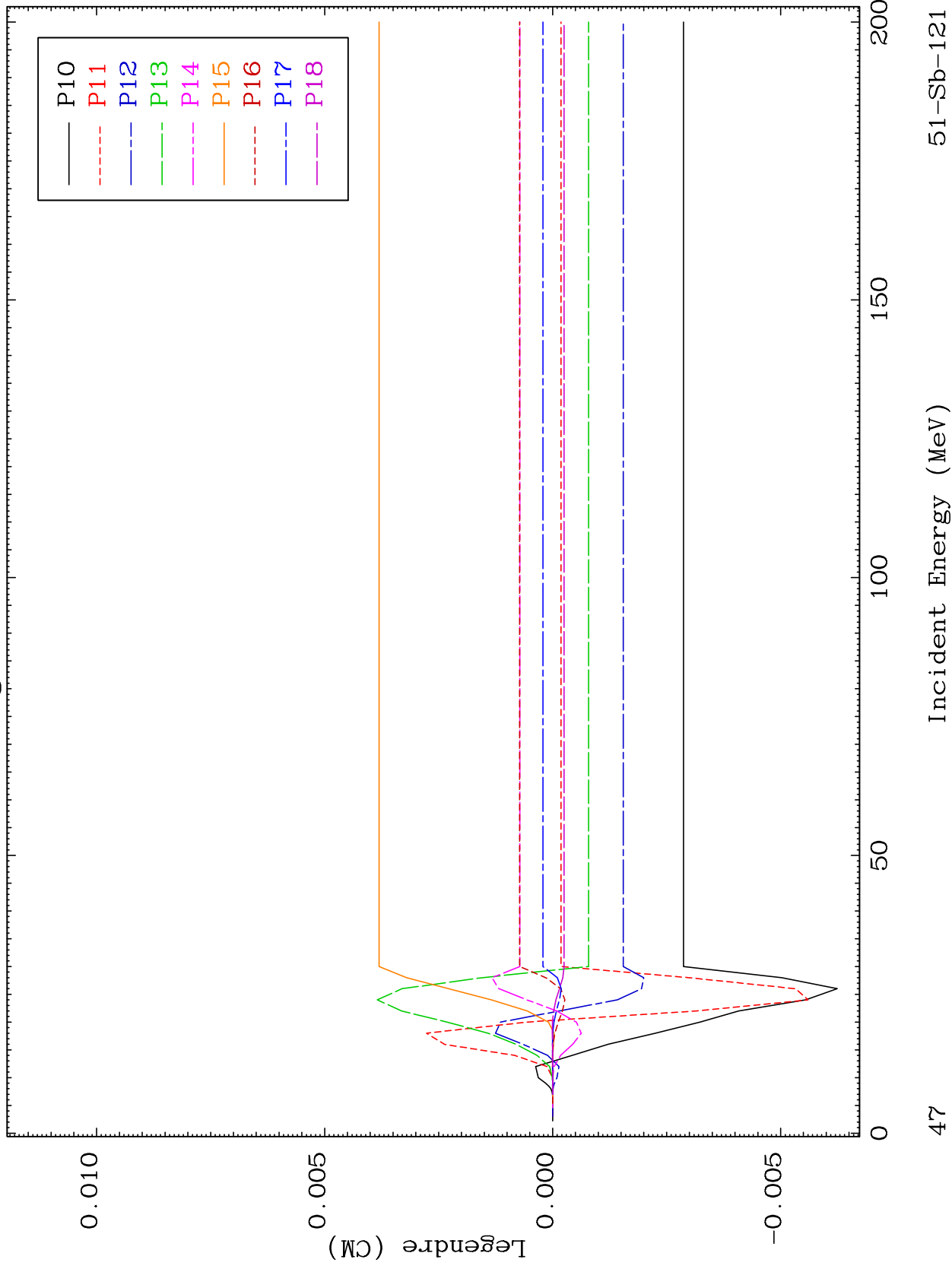
Incident Energy (MeV)

46

MAT 5125

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

51-Sb-121



47

Incident Energy (MeV)

51-Sb-121

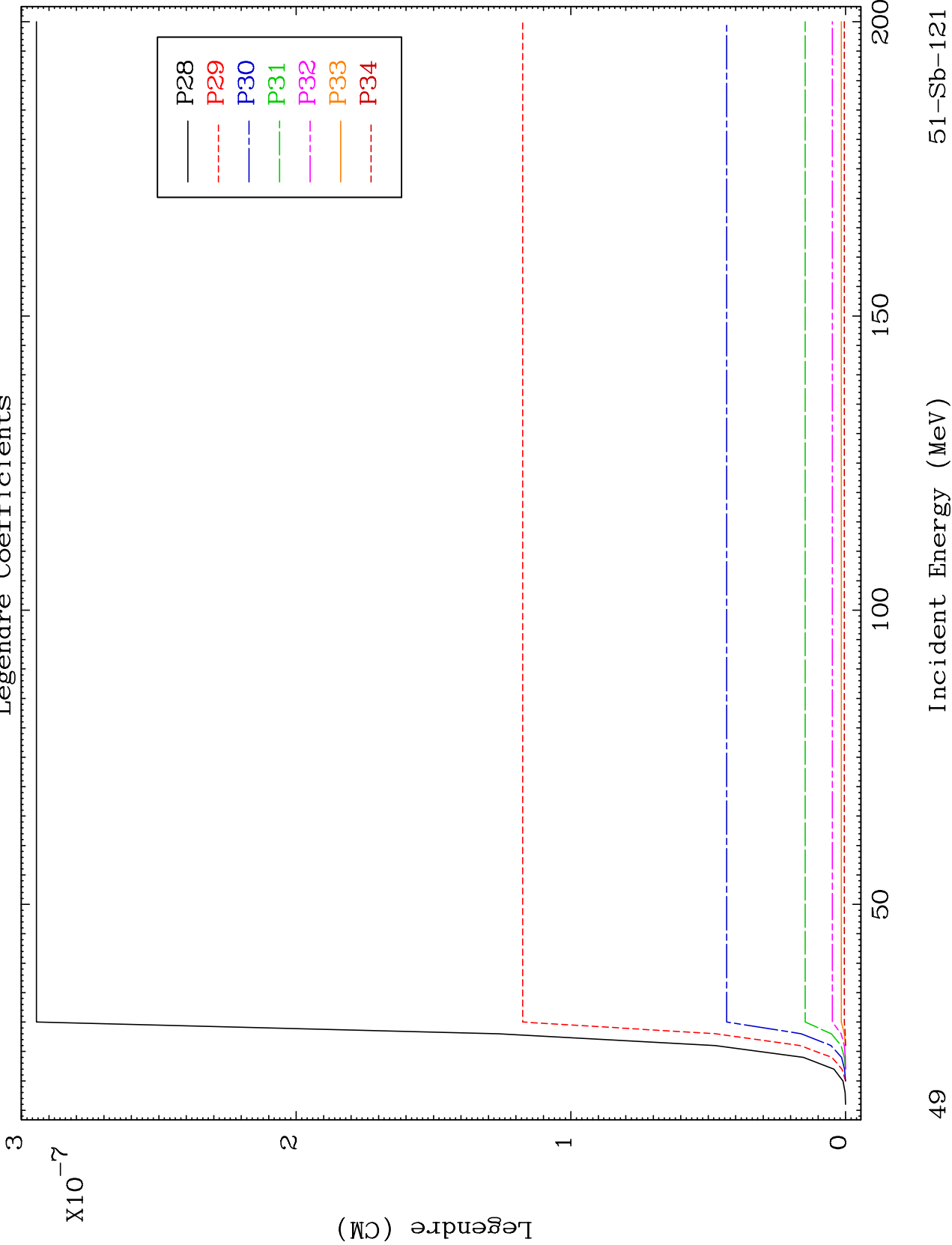




MAT 5125

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

51-Sb-121



49

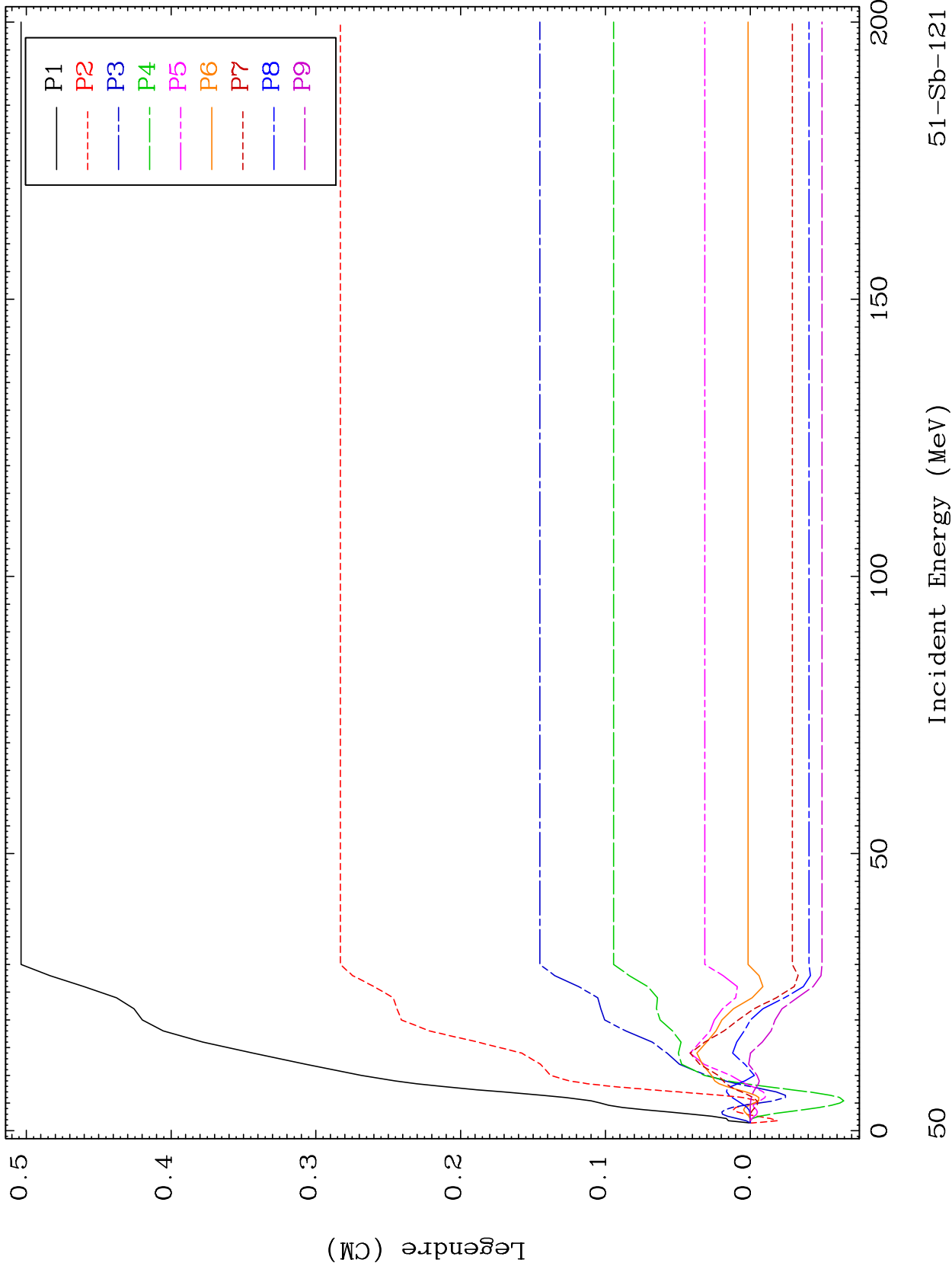
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

51-Sb-121



51-Sb-121

Incident Energy (MeV)

50

200

150

100

50

0.5

0.4

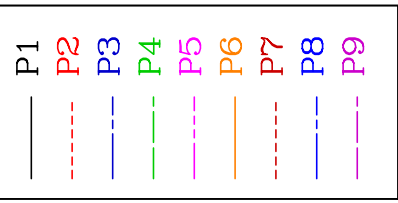
0.3

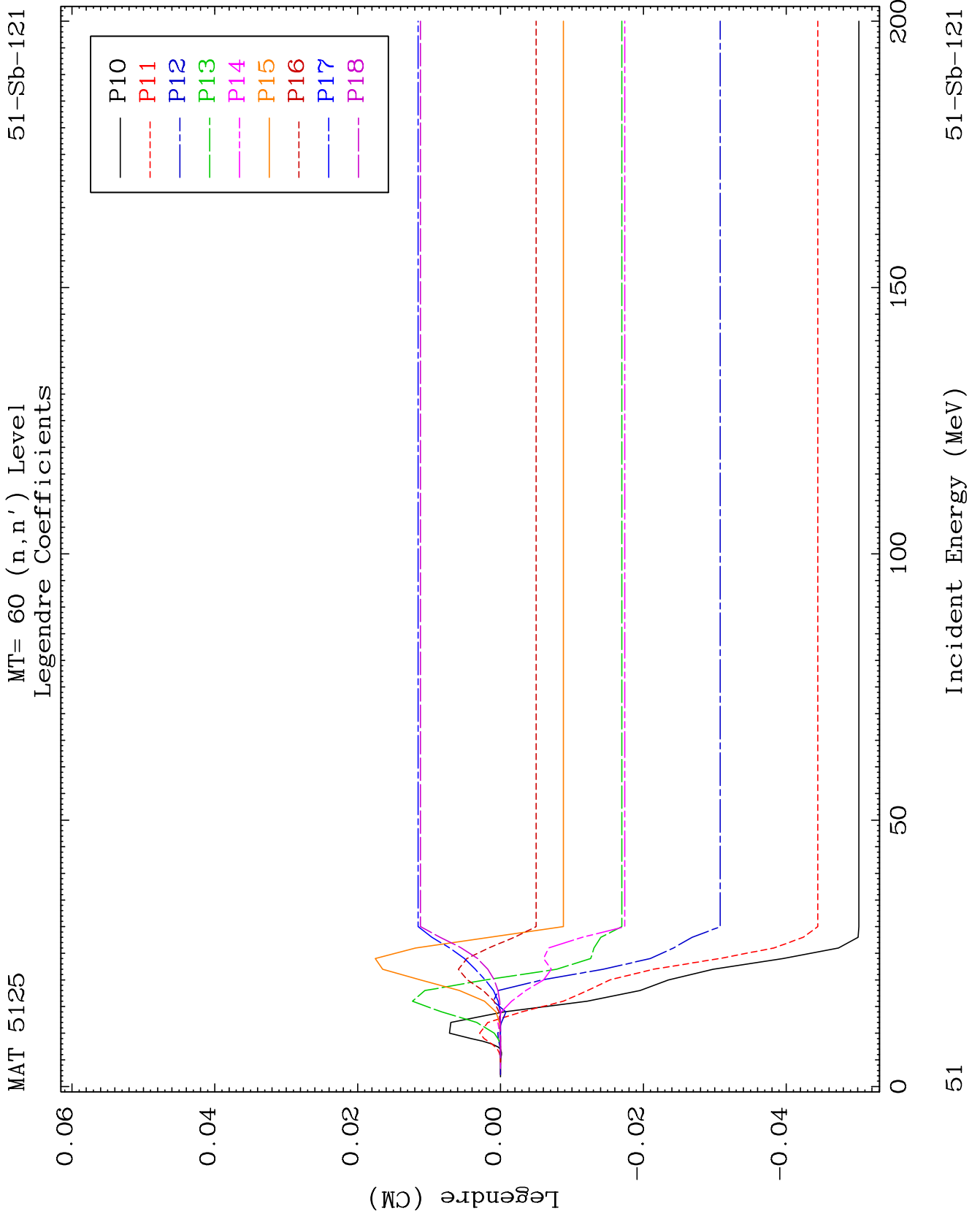
0.2

0.1

0.0

0

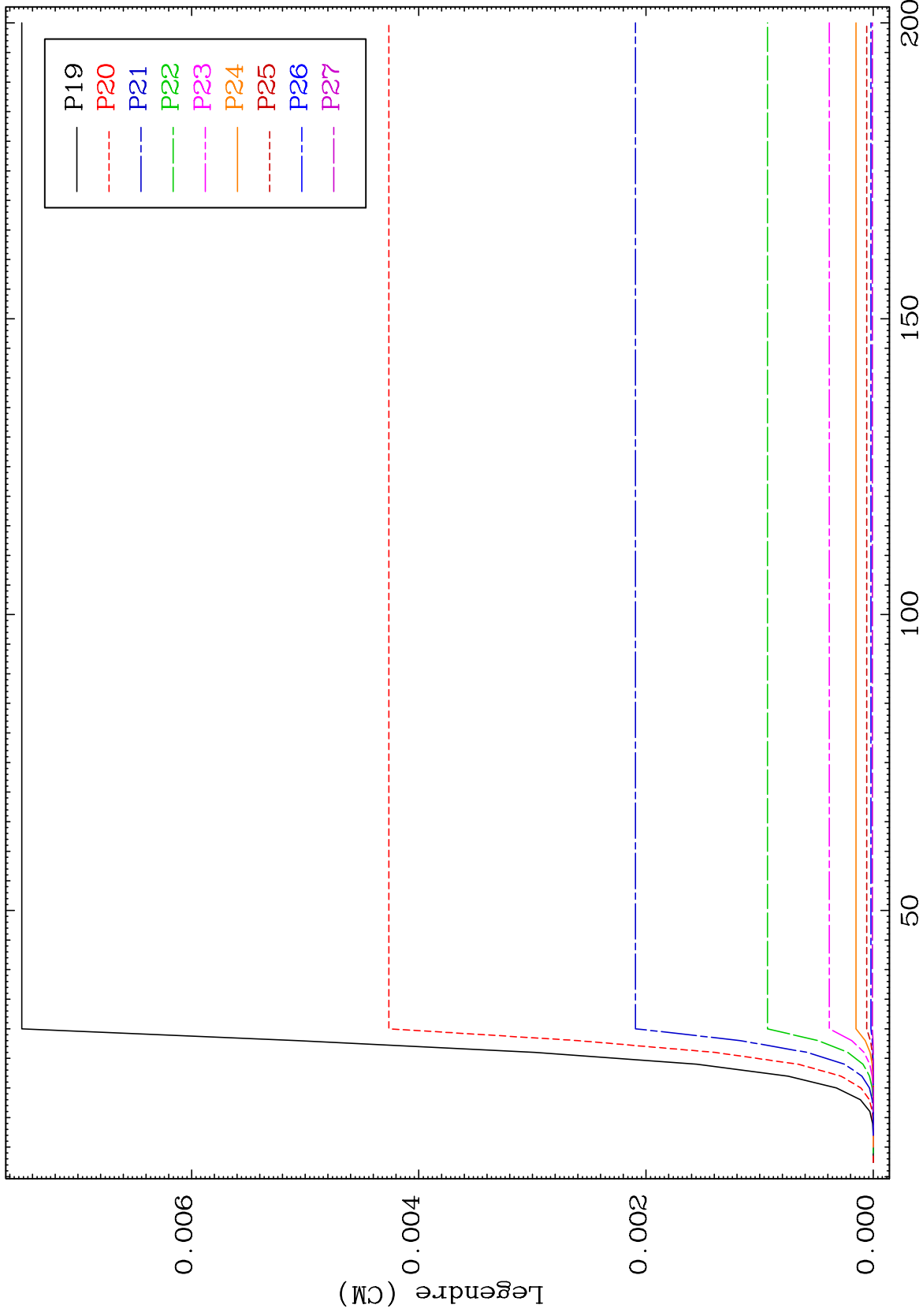




MAT 5125

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

51-Sb-121



52

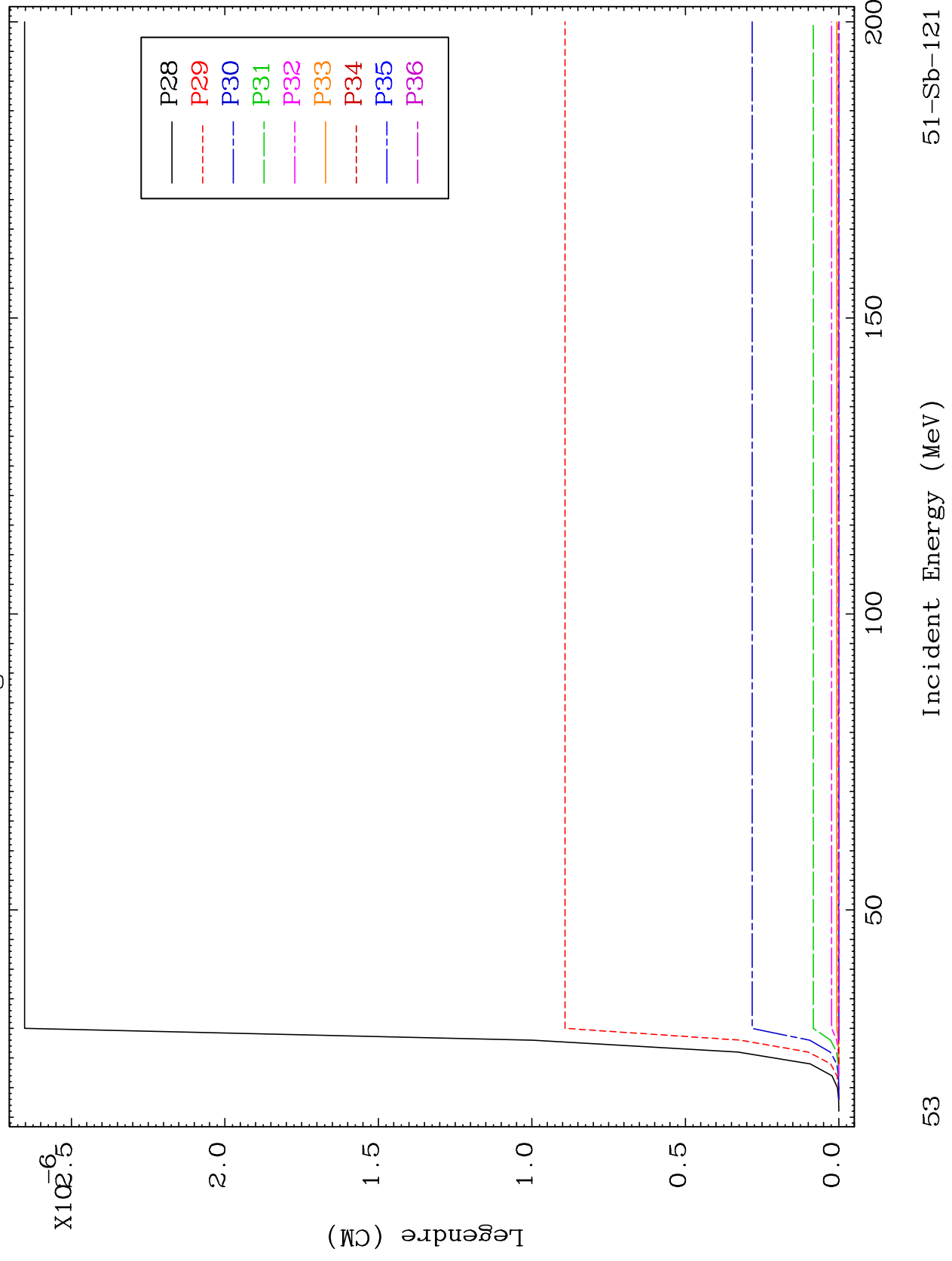
Incident Energy (MeV)

51-Sb-121

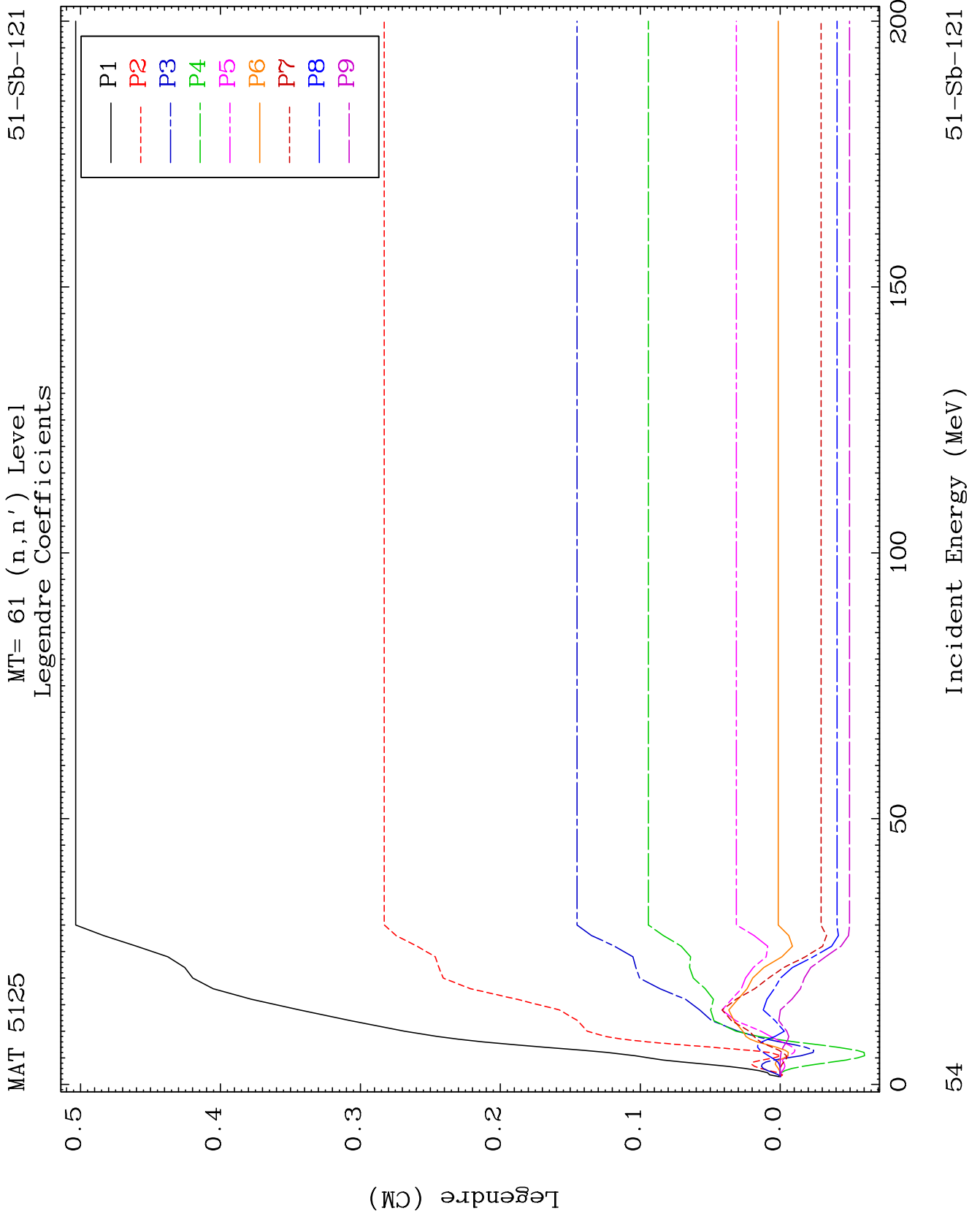
MAT 5125

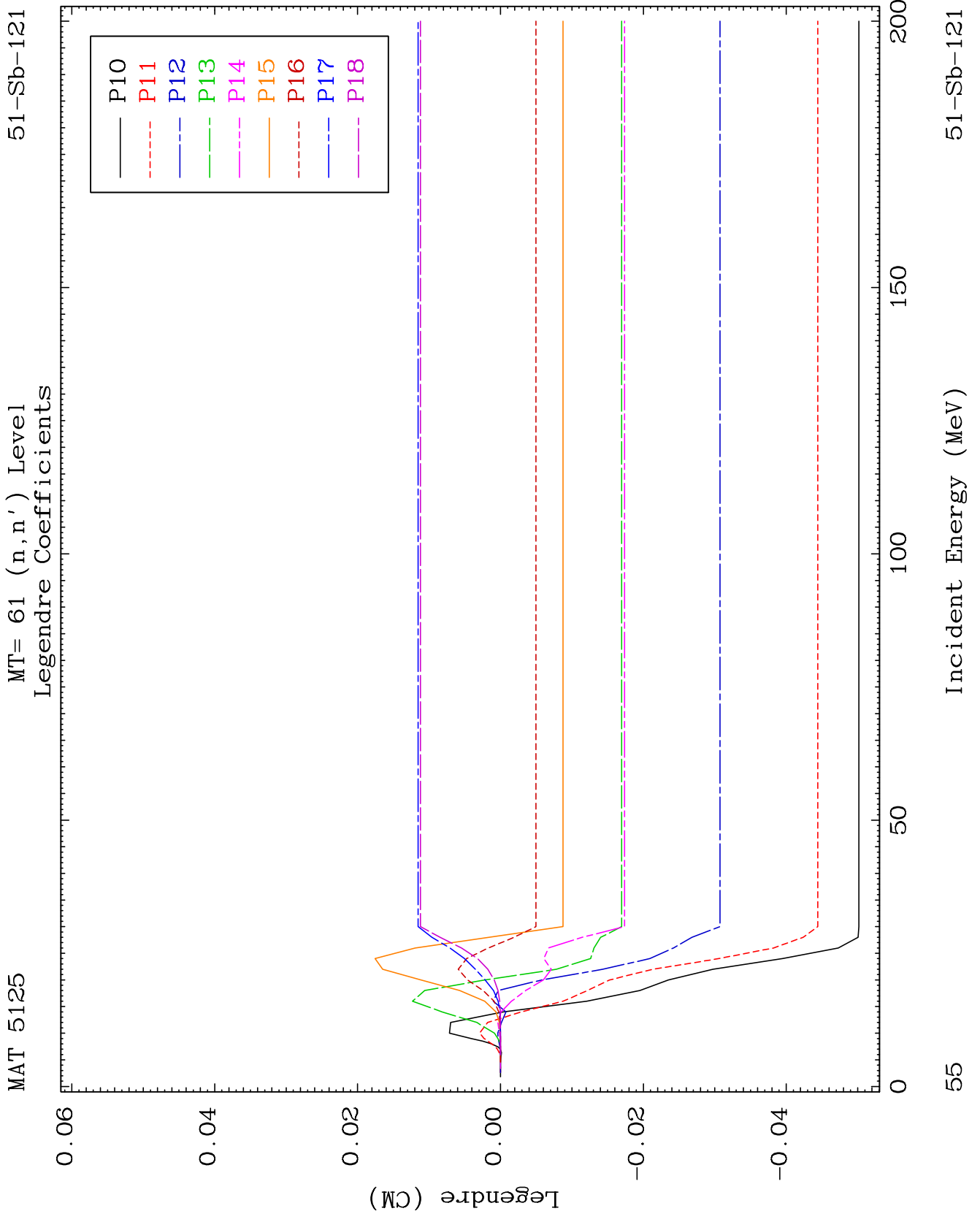
MT= 60 (n,n') Level  
Legendre Coefficients

51-Sb-121



53



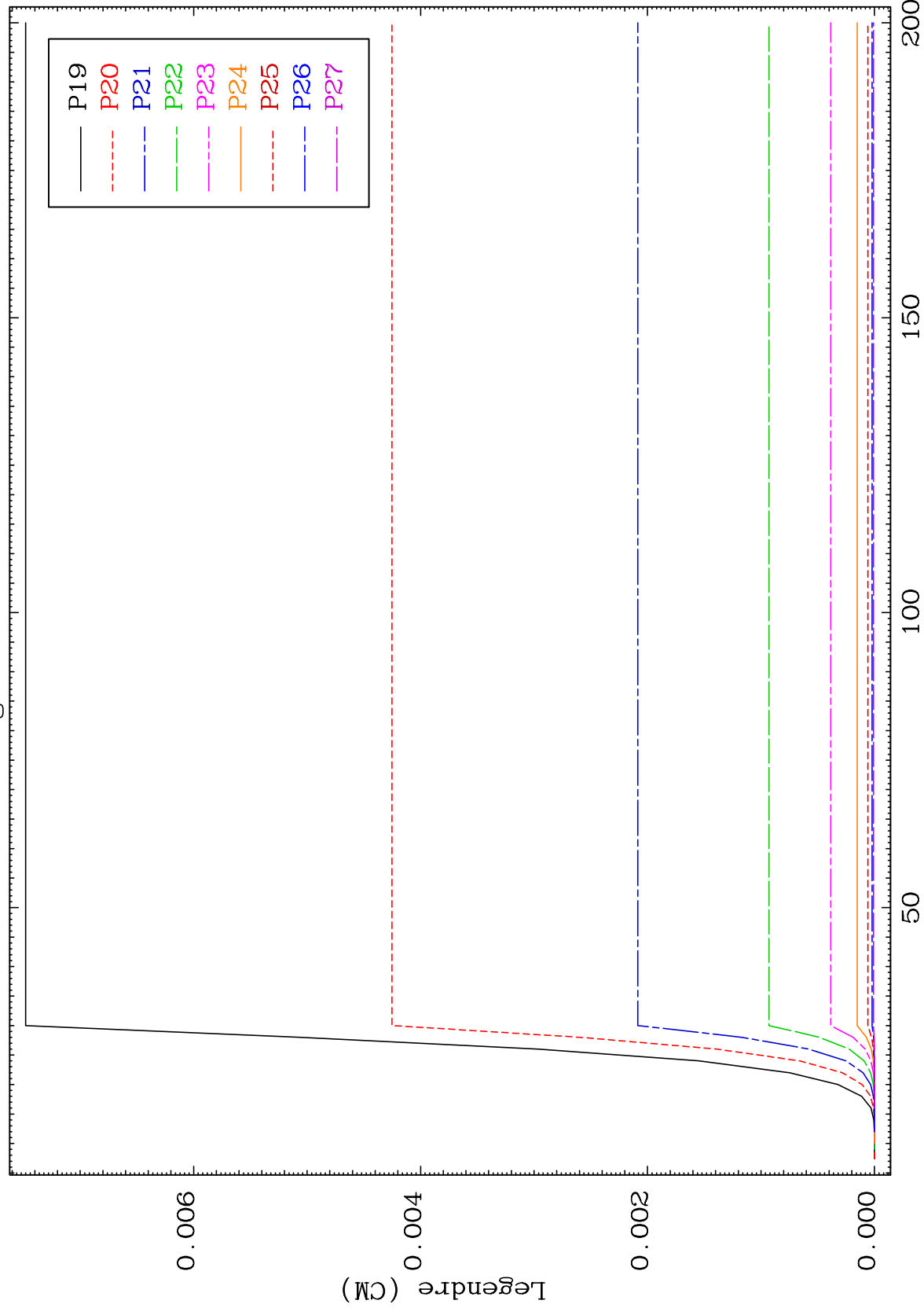




MAT 5125

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

51-Sb-121



56

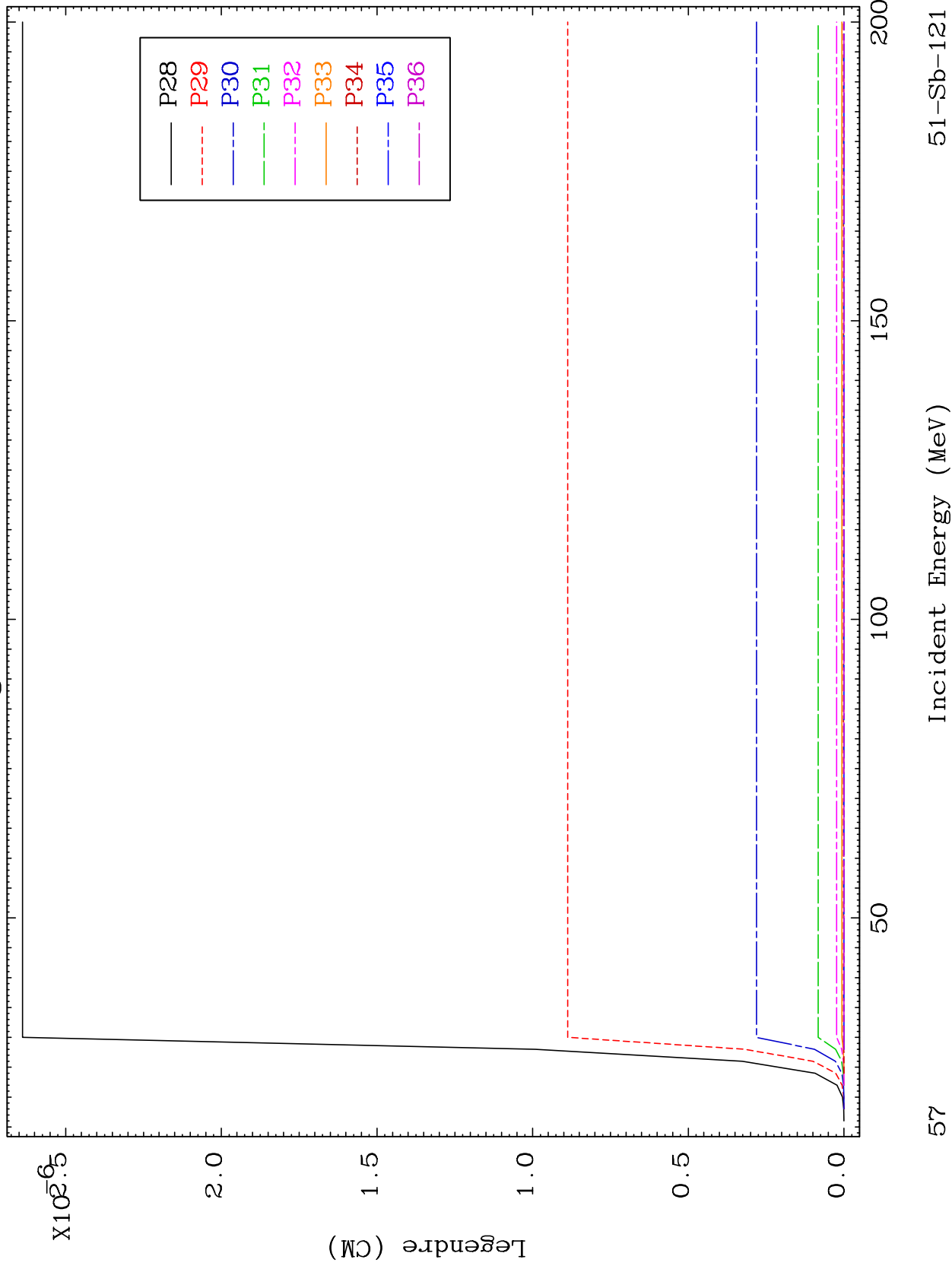
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

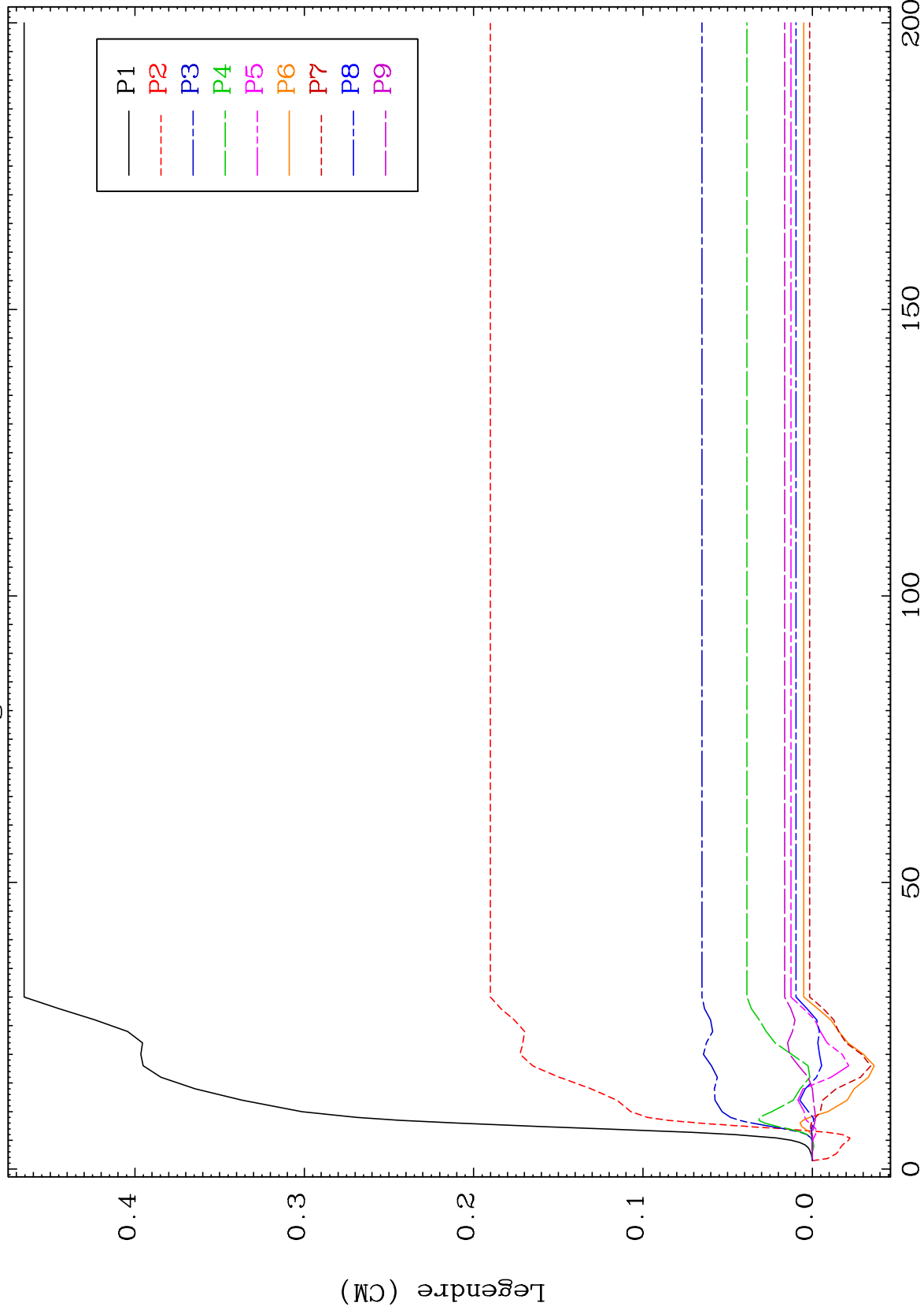
51-Sb-121



MAT 5125

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

51-Sb-121



58

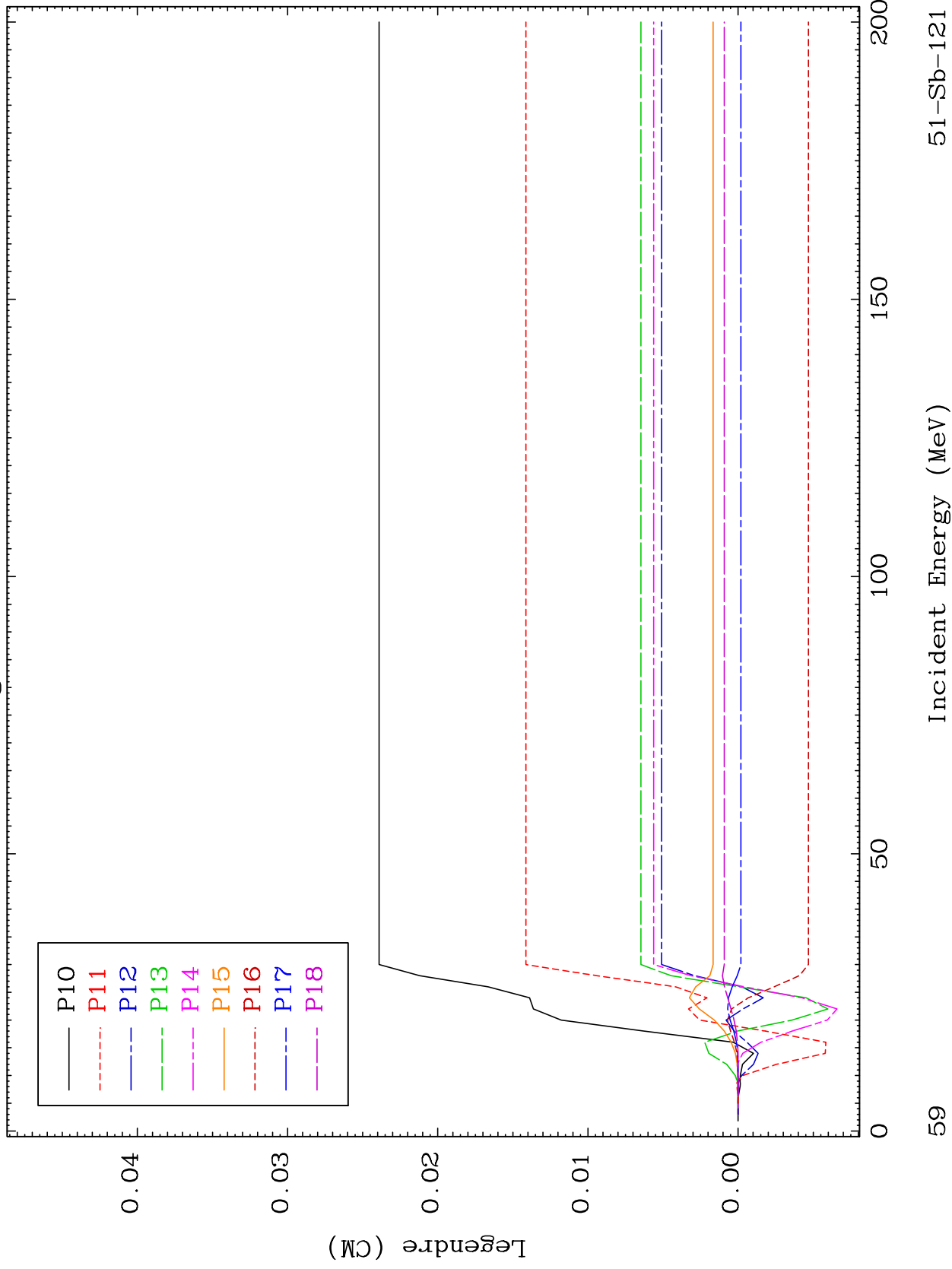
Incident Energy (MeV)

51-Sb-121

MAT 5125

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

51-Sb-121



51-Sb-121

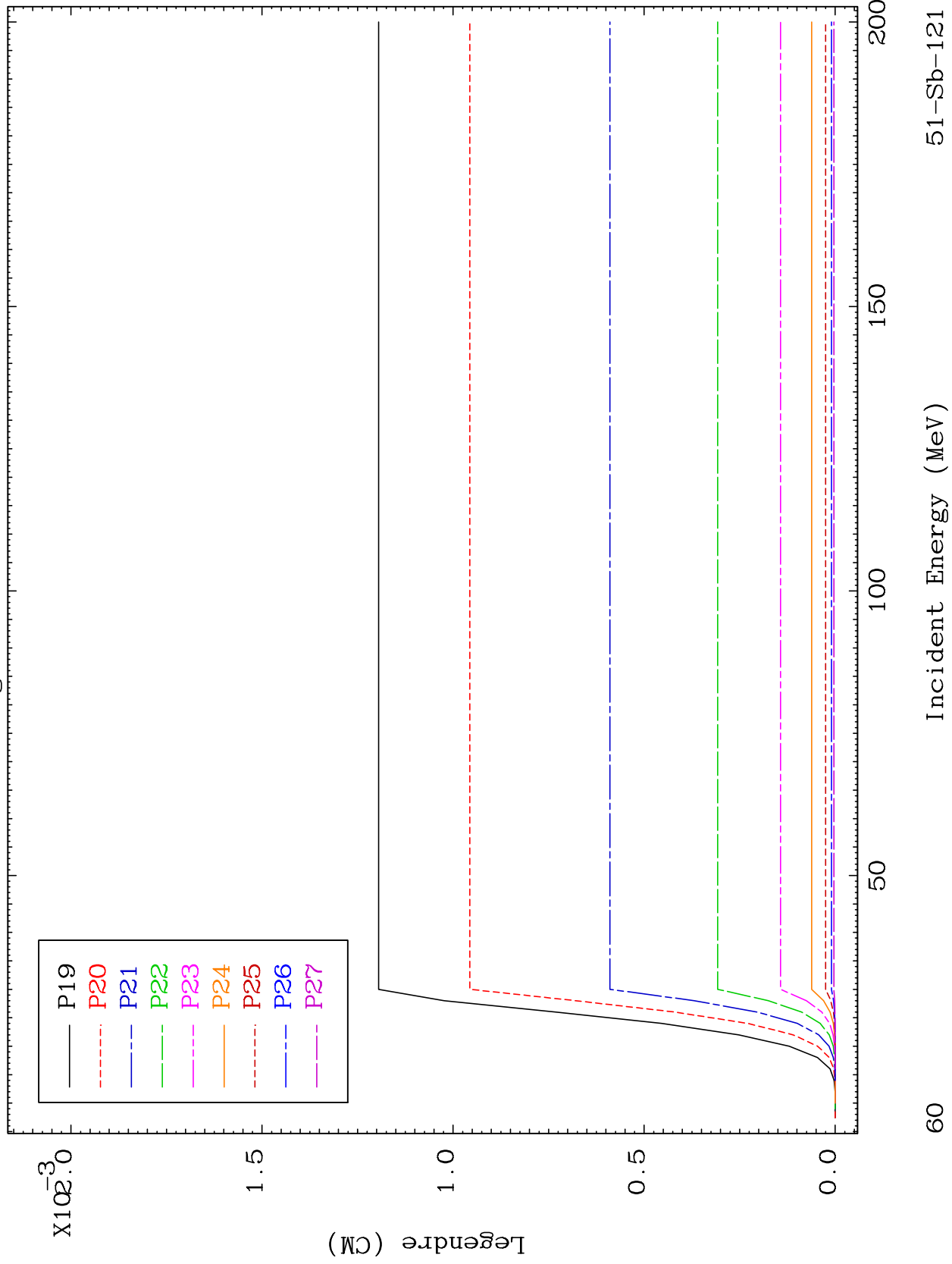
Incident Energy (MeV)

59

MAT 5125

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

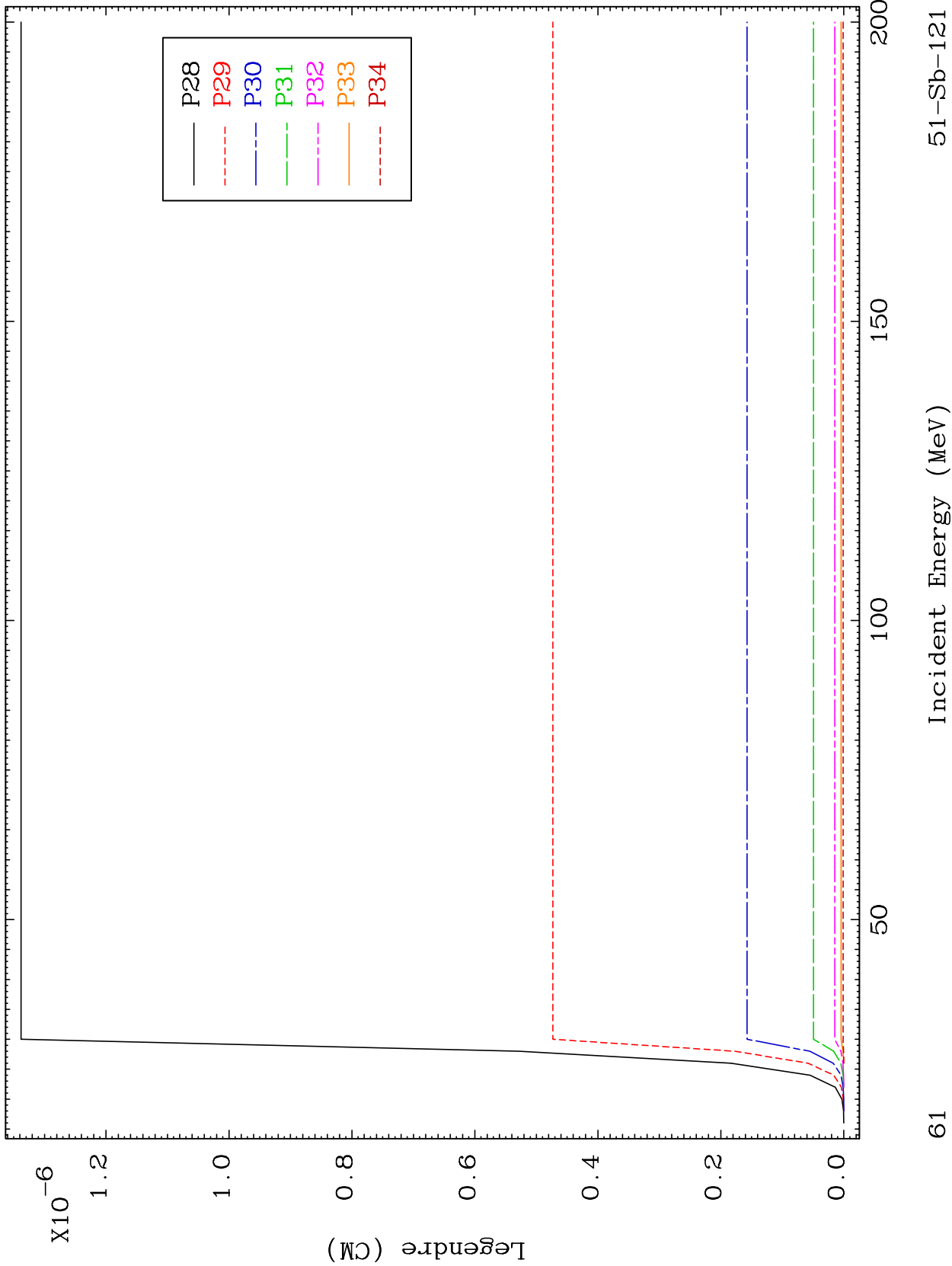
51-Sb-121



MAT 5125

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

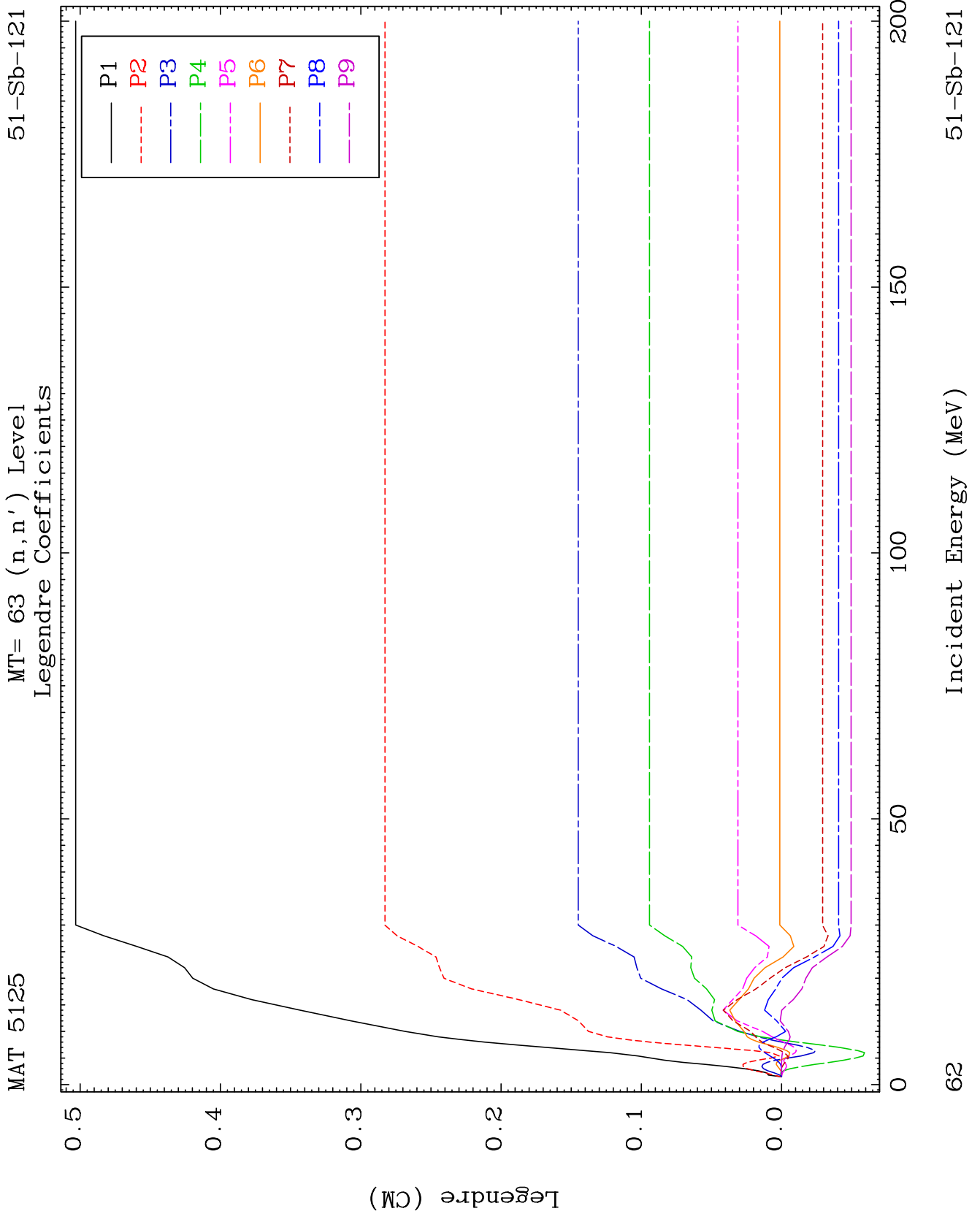
51-Sb-121

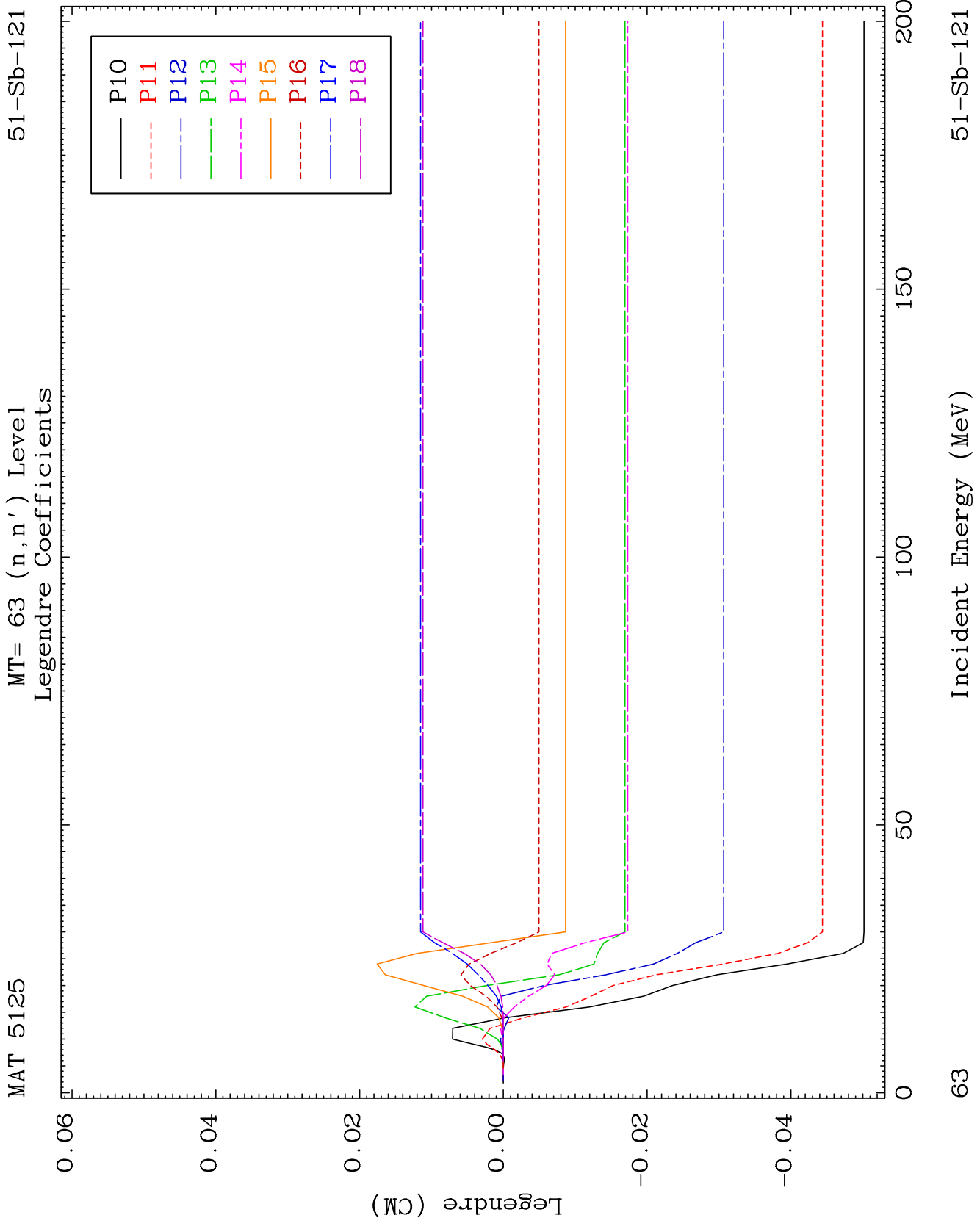


61

Incident Energy (MeV)

51-Sb-121





51-Sb-121

Incident Energy (MeV)

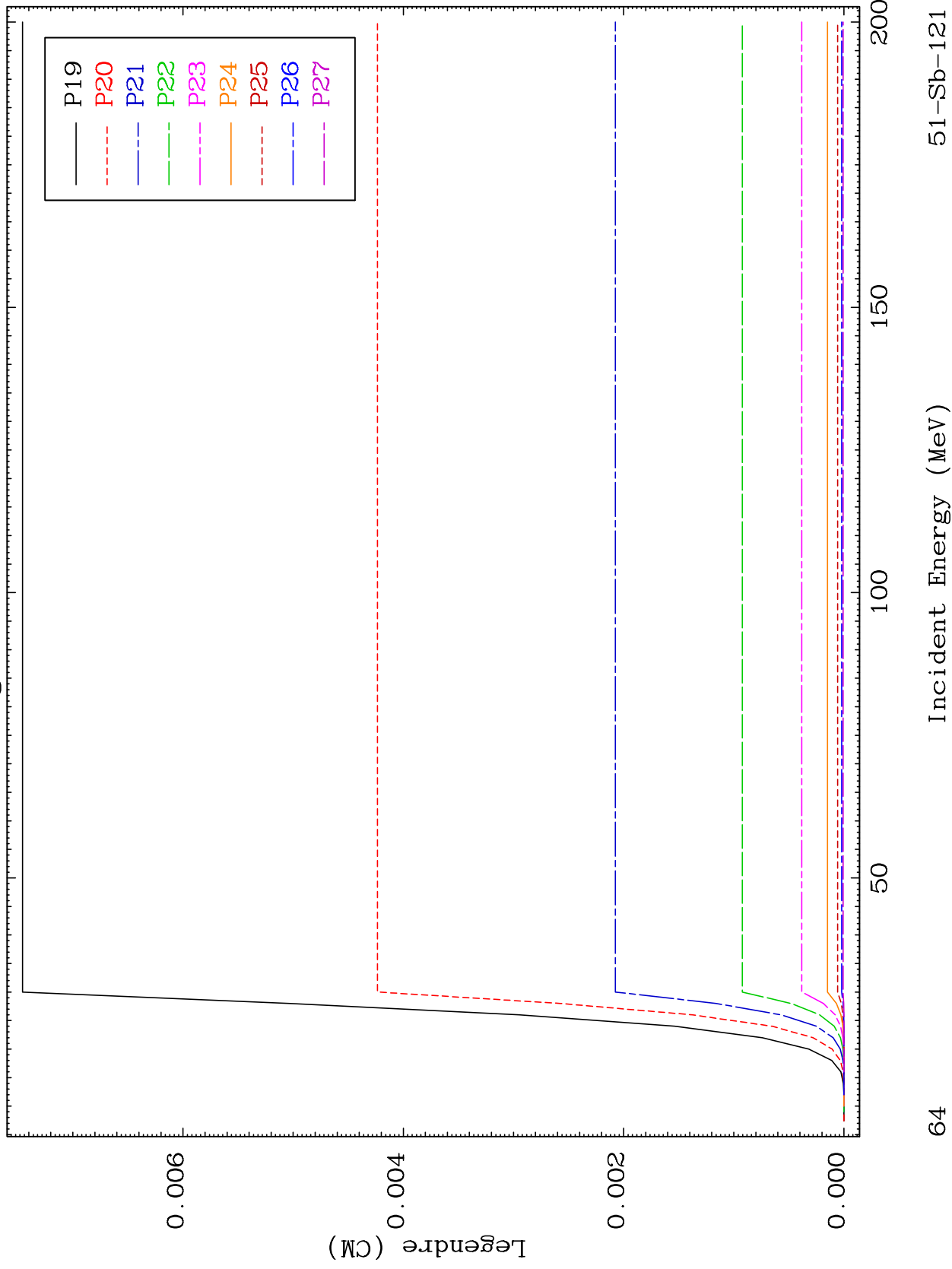
63



MAT 5125

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

51-Sb-121



64

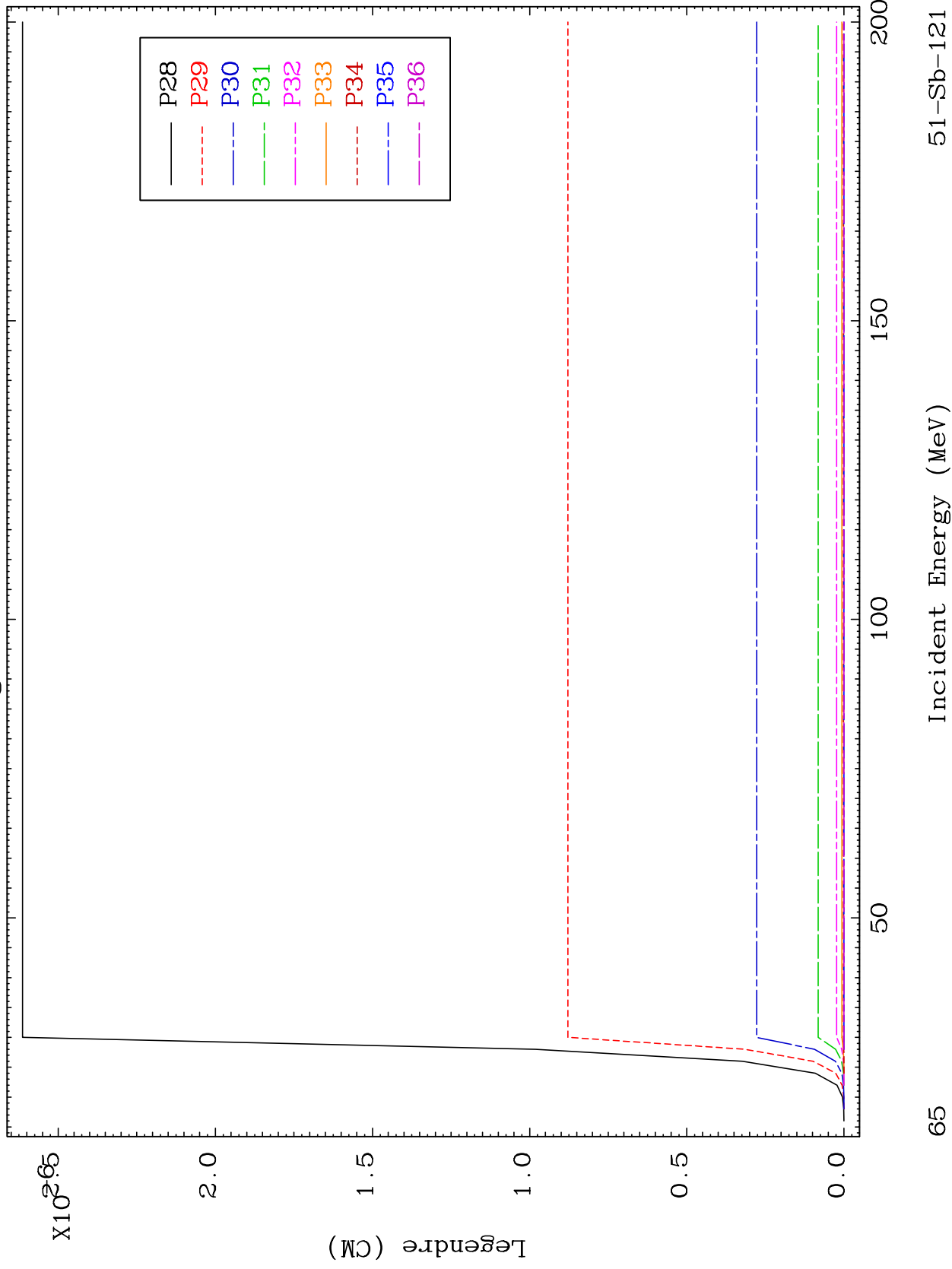
Incident Energy (MeV)

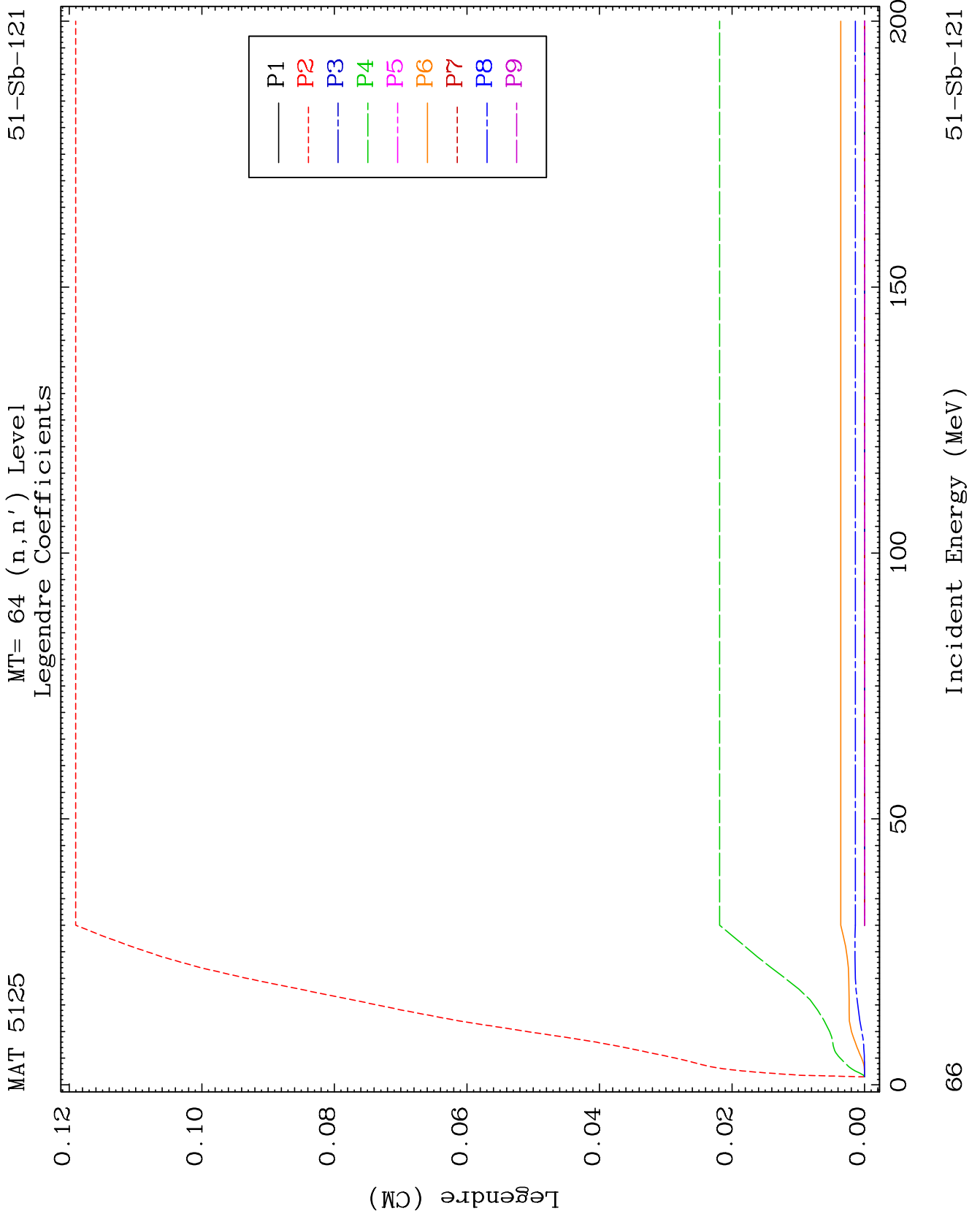
51-Sb-121

MAT 5125

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

51-Sb-121

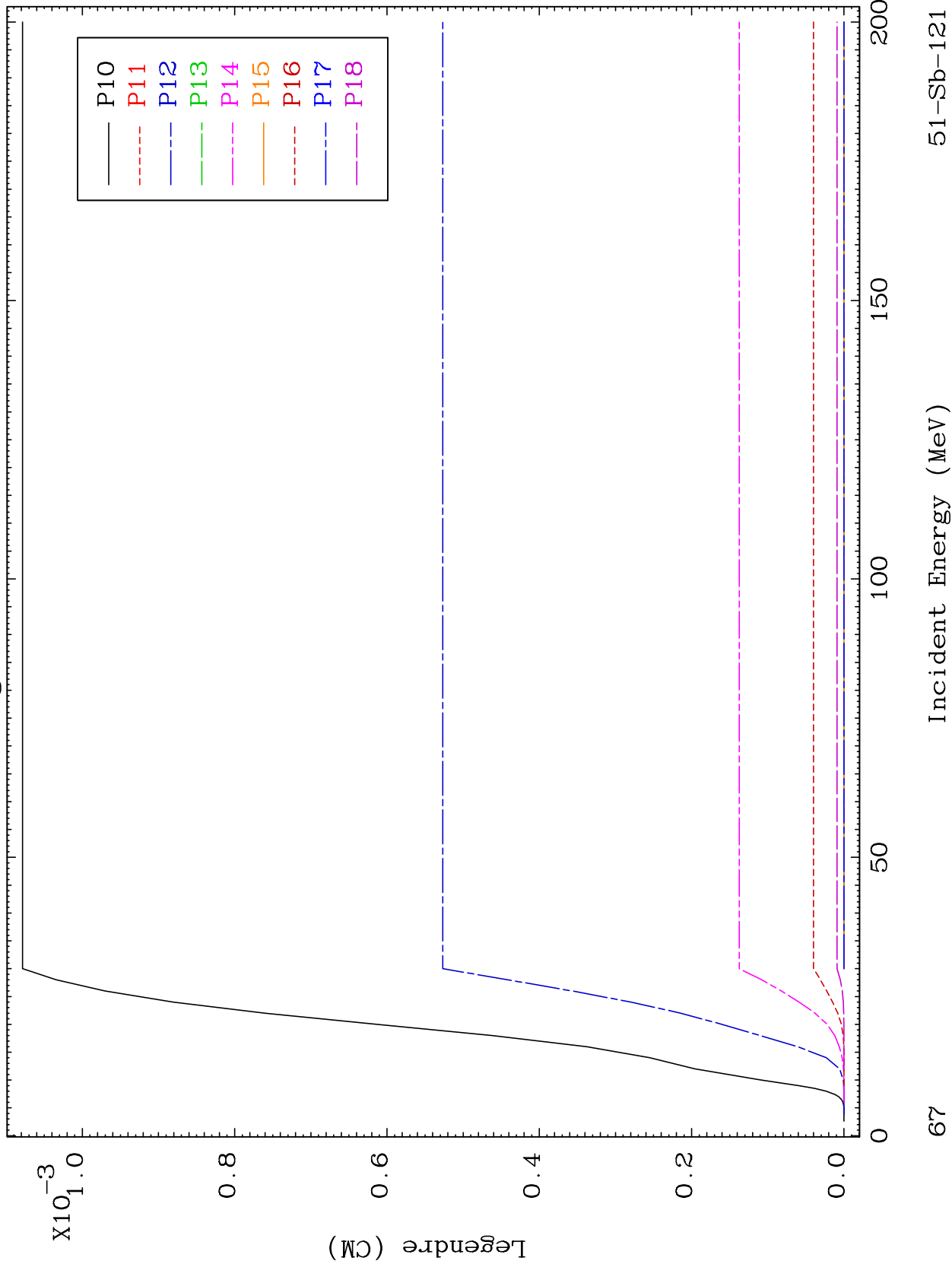




MAT 5125

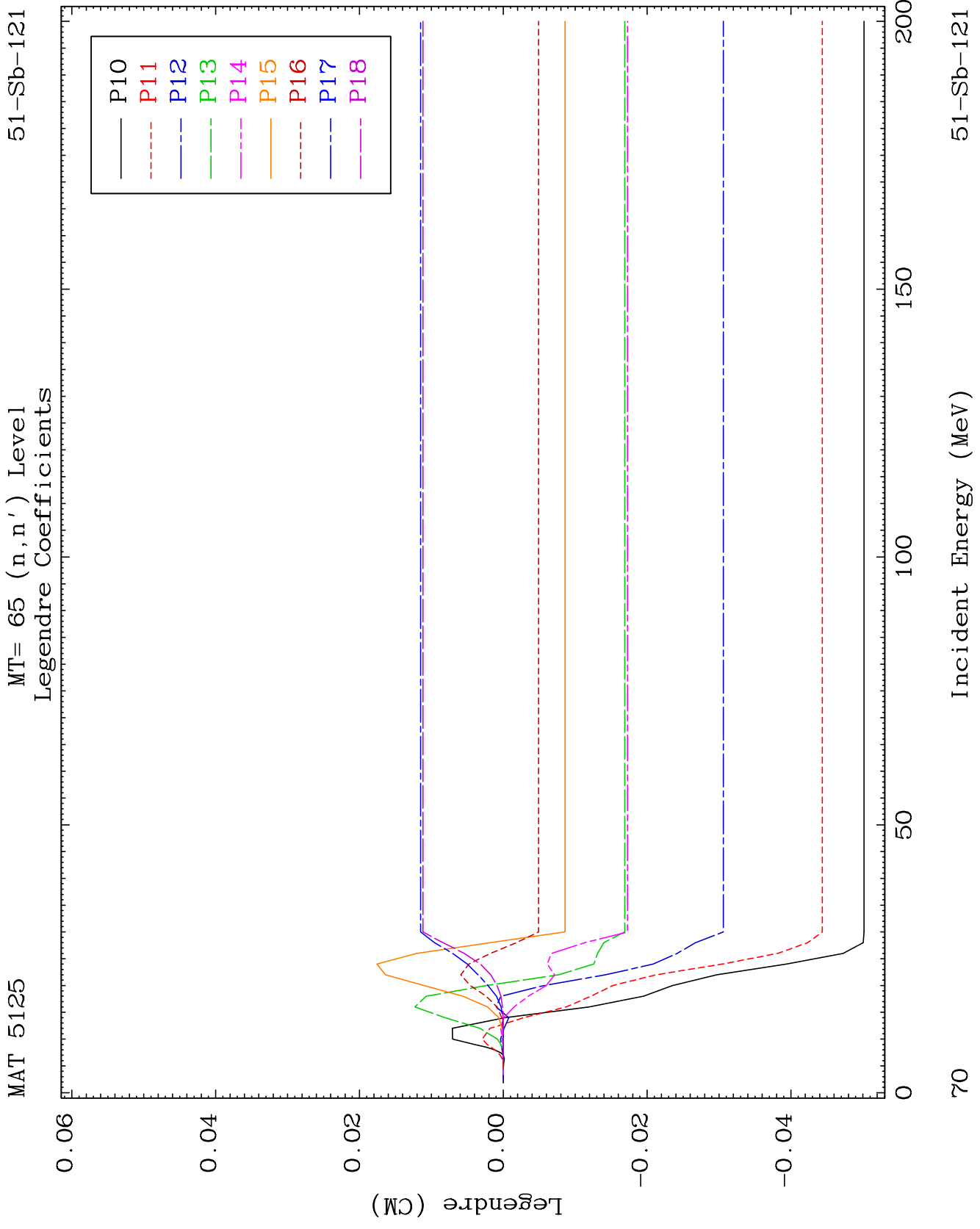
MT= 64 (n,n') Level  
Legendre Coefficients

51-Sb-121





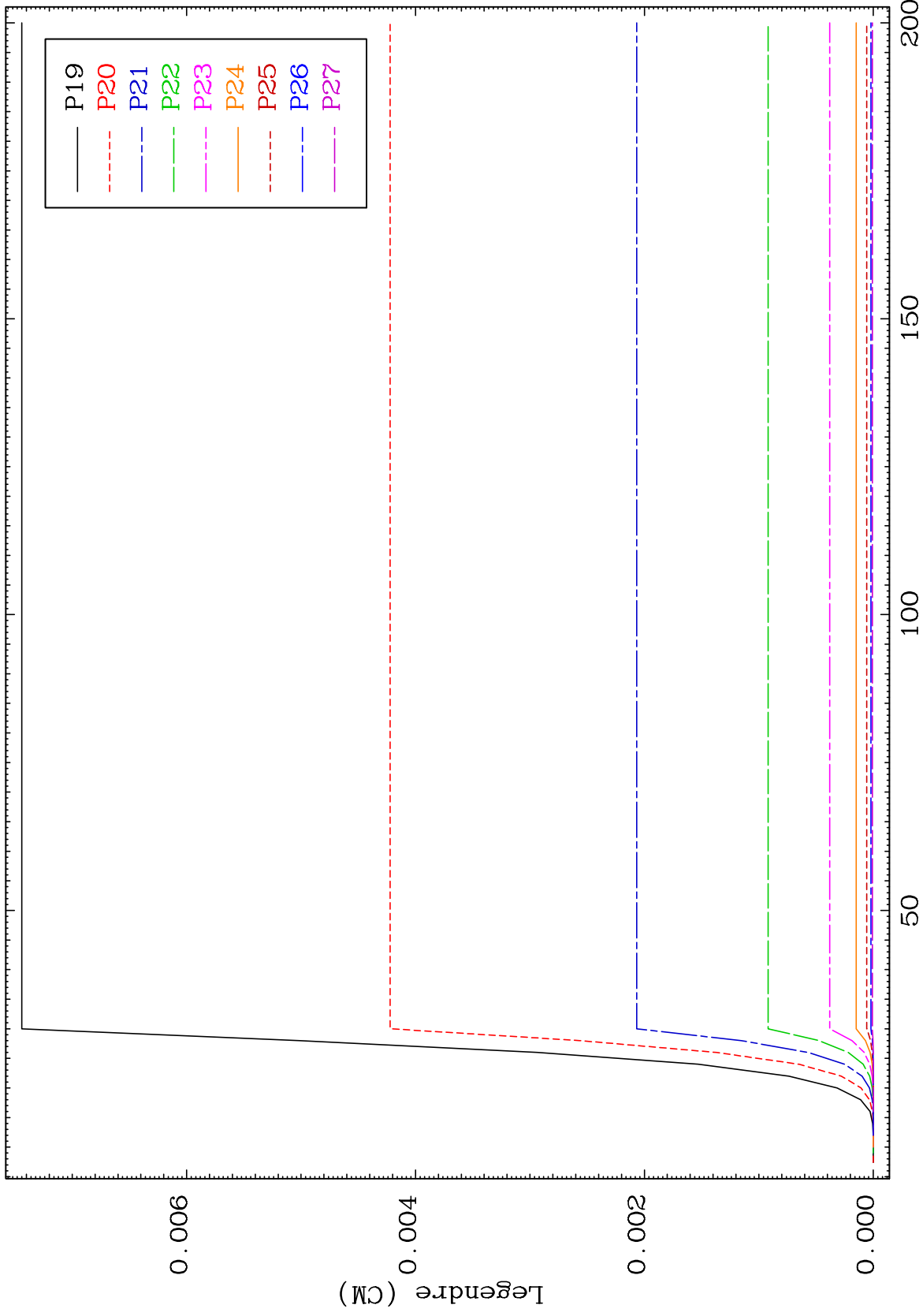




MAT 5125

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

51-Sb-121



71

Incident Energy (MeV)

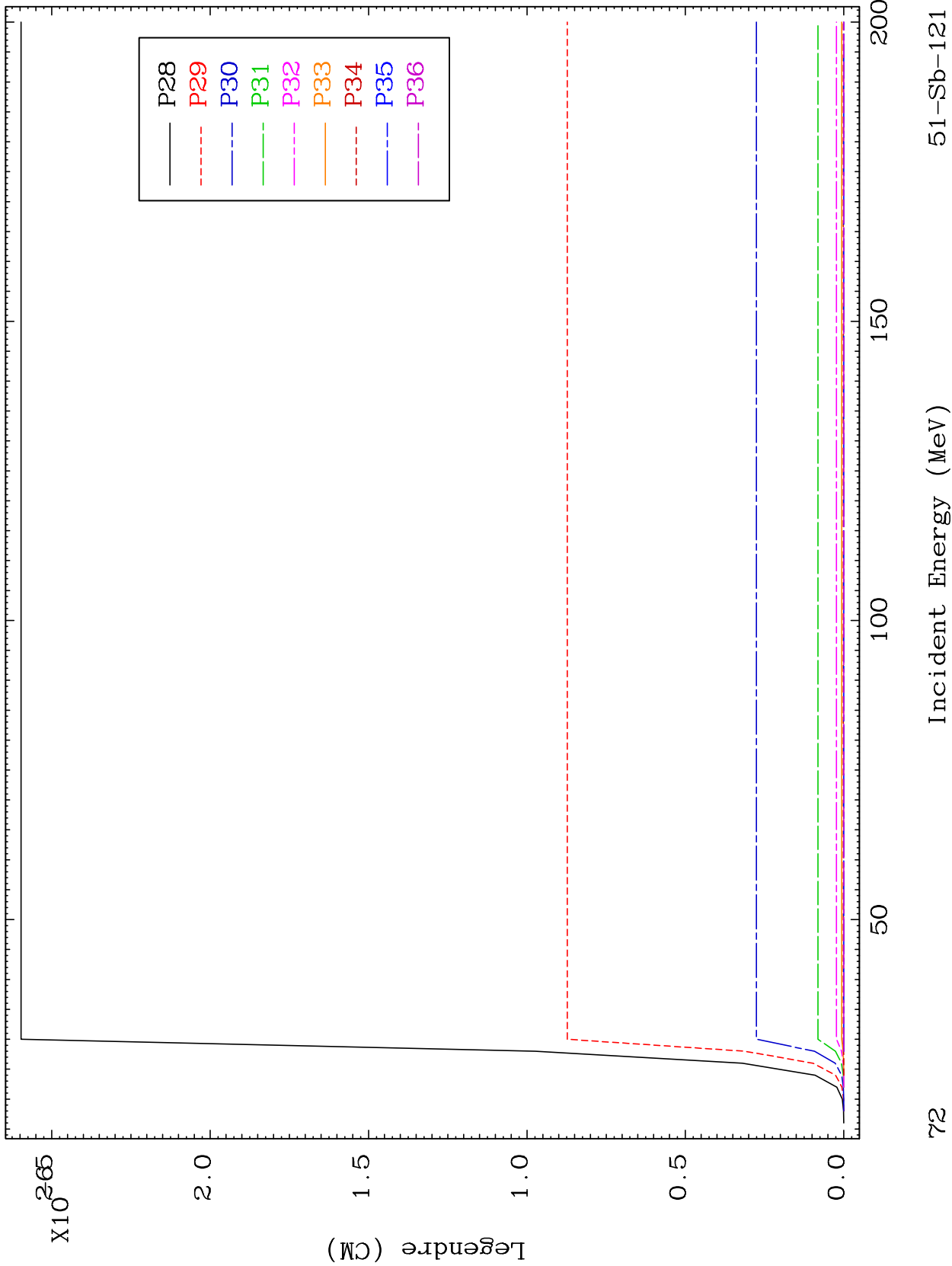
51-Sb-121



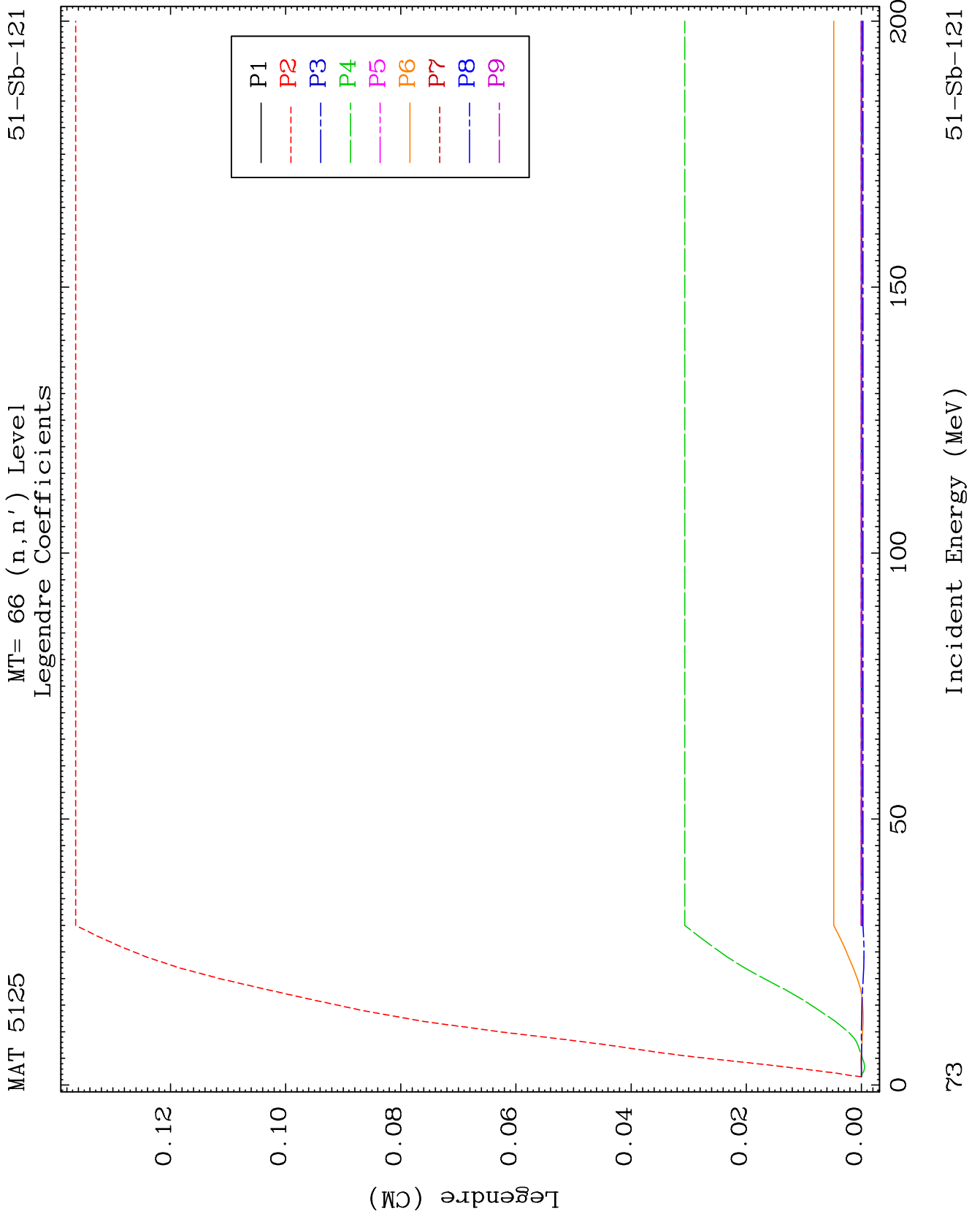
MAT 5125

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

51-Sb-121



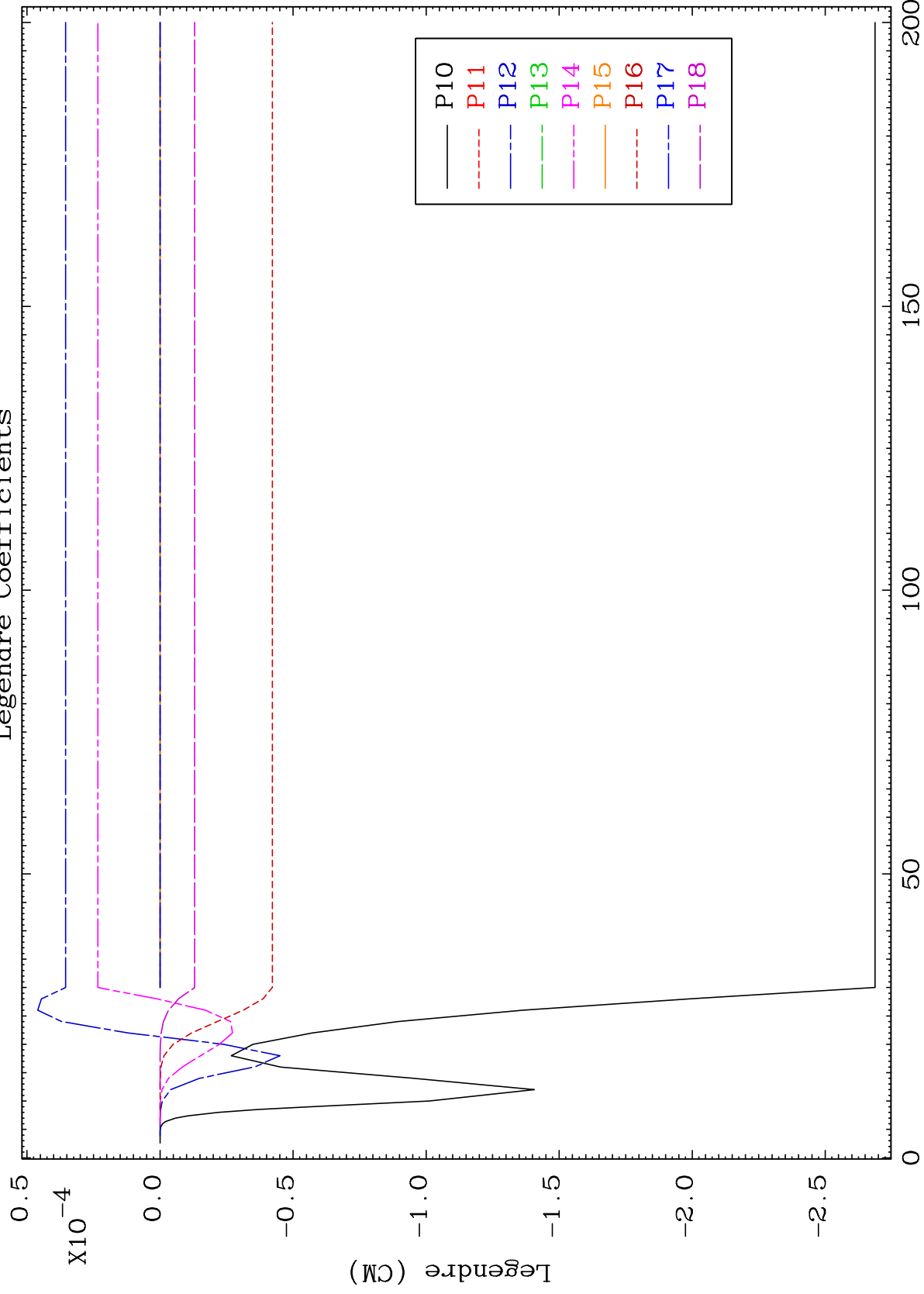
72



MAT 5125

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

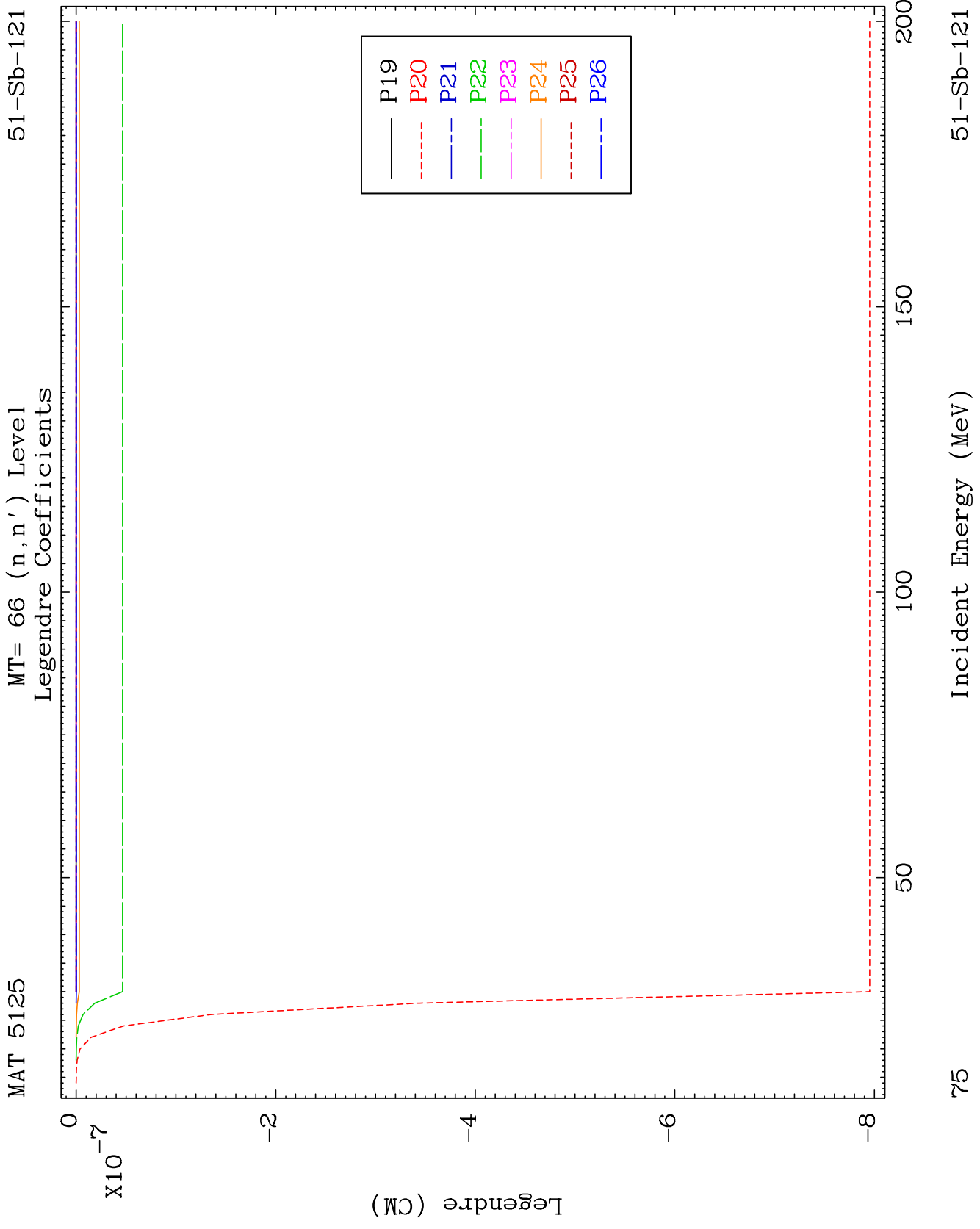
51-Sb-121



74

Incident Energy (MeV)

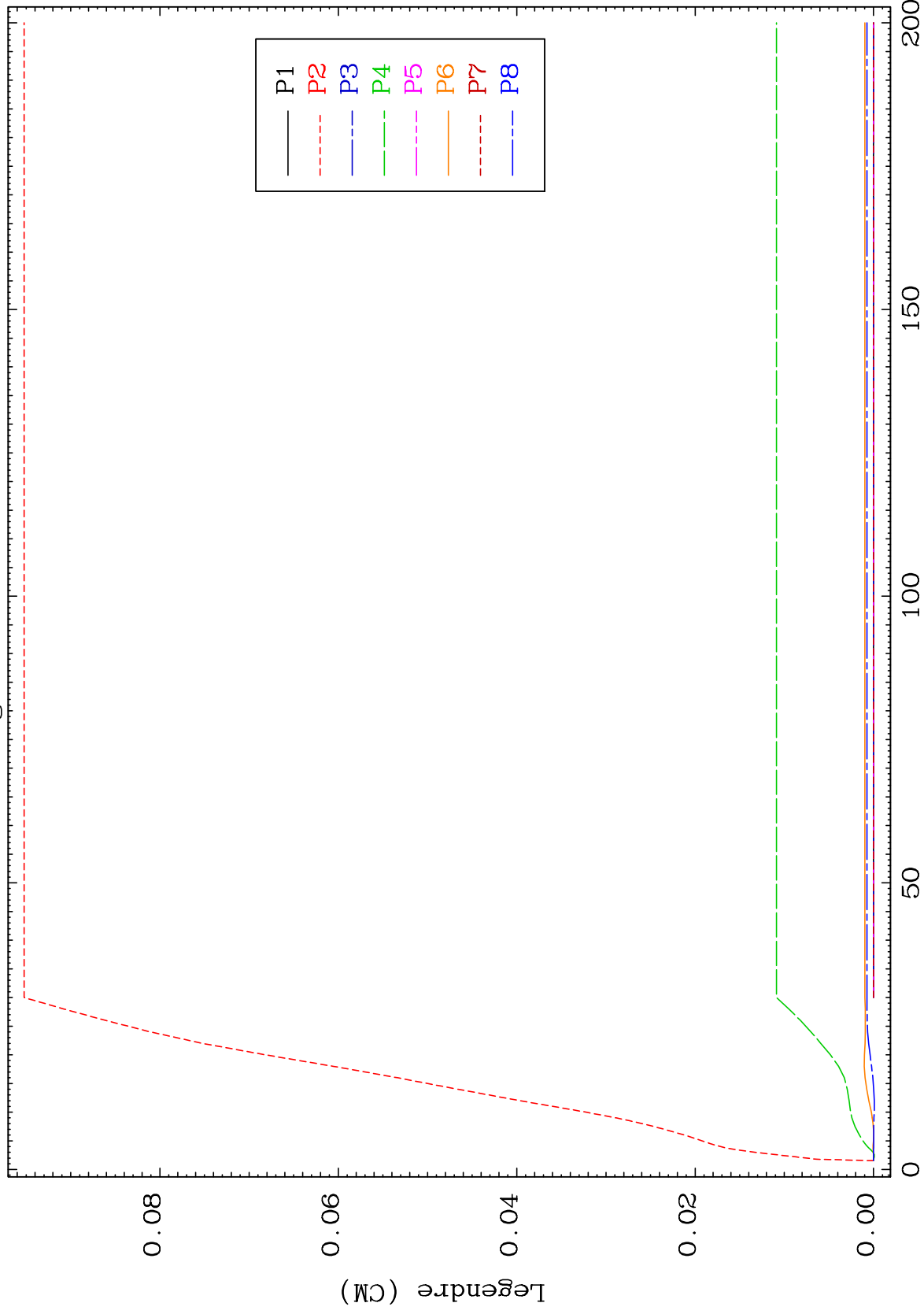
51-Sb-121



MAT 5125

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

51-Sb-121



76

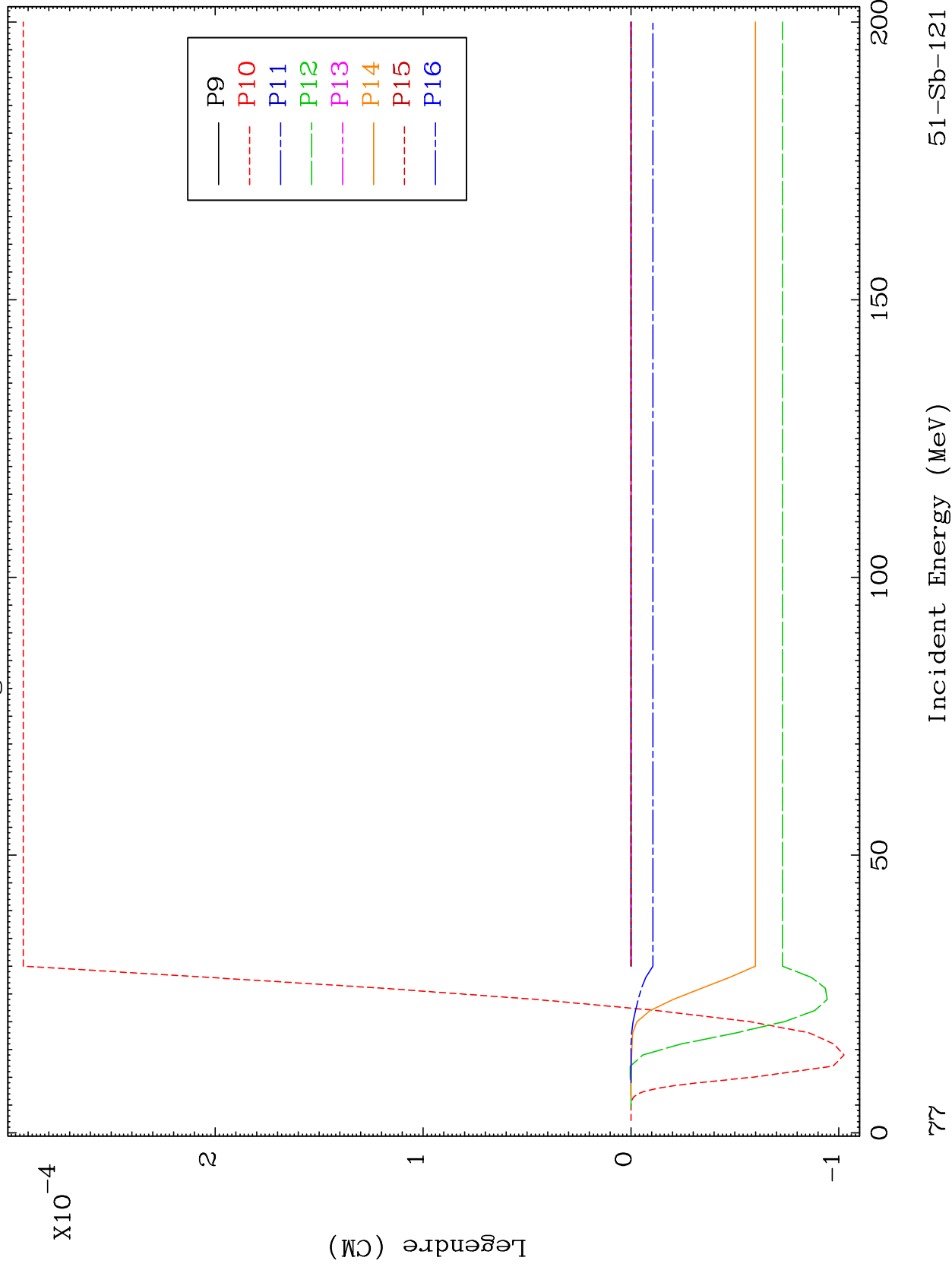
Incident Energy (MeV)

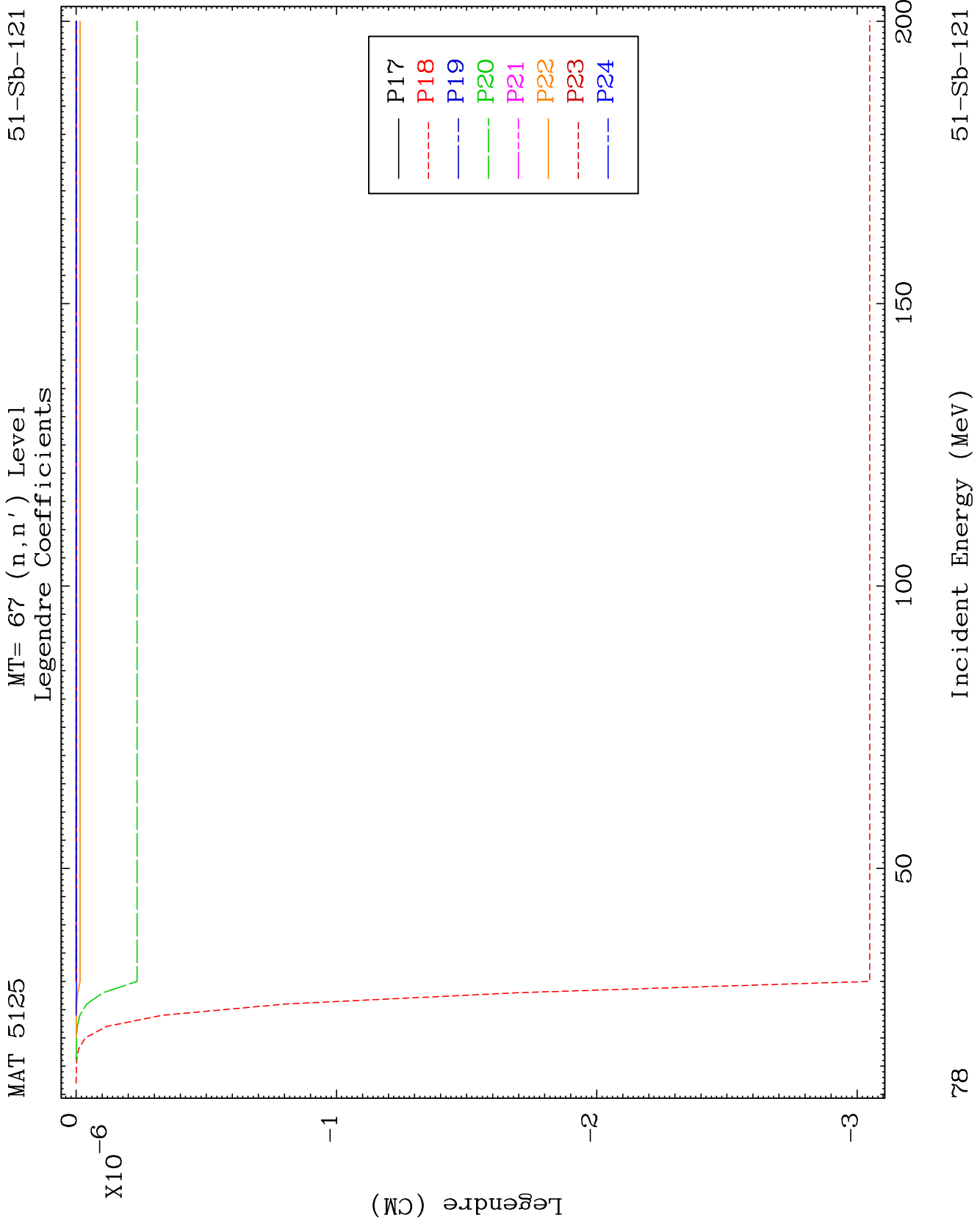
51-Sb-121

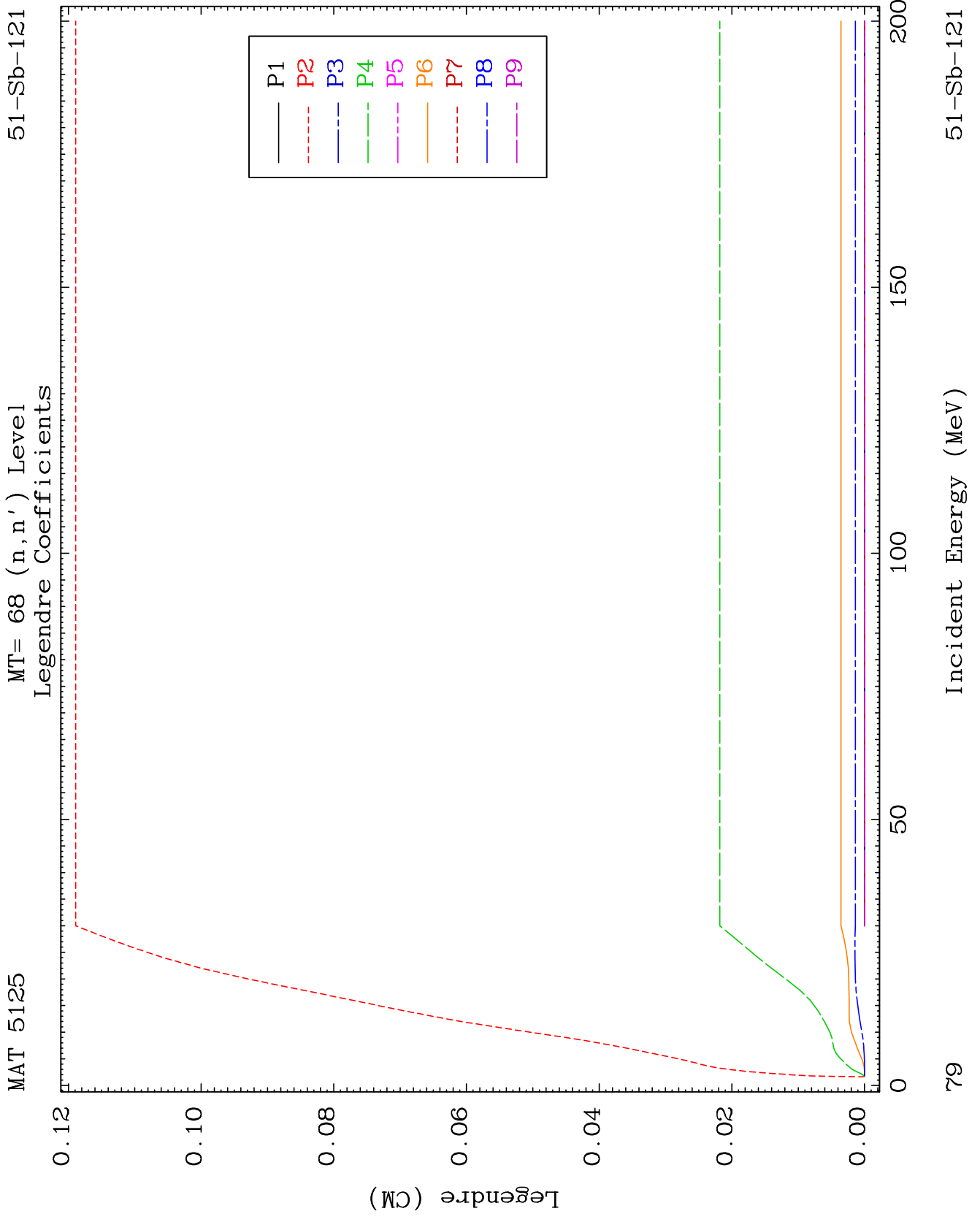
MAT 5125

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

51-Sb-121





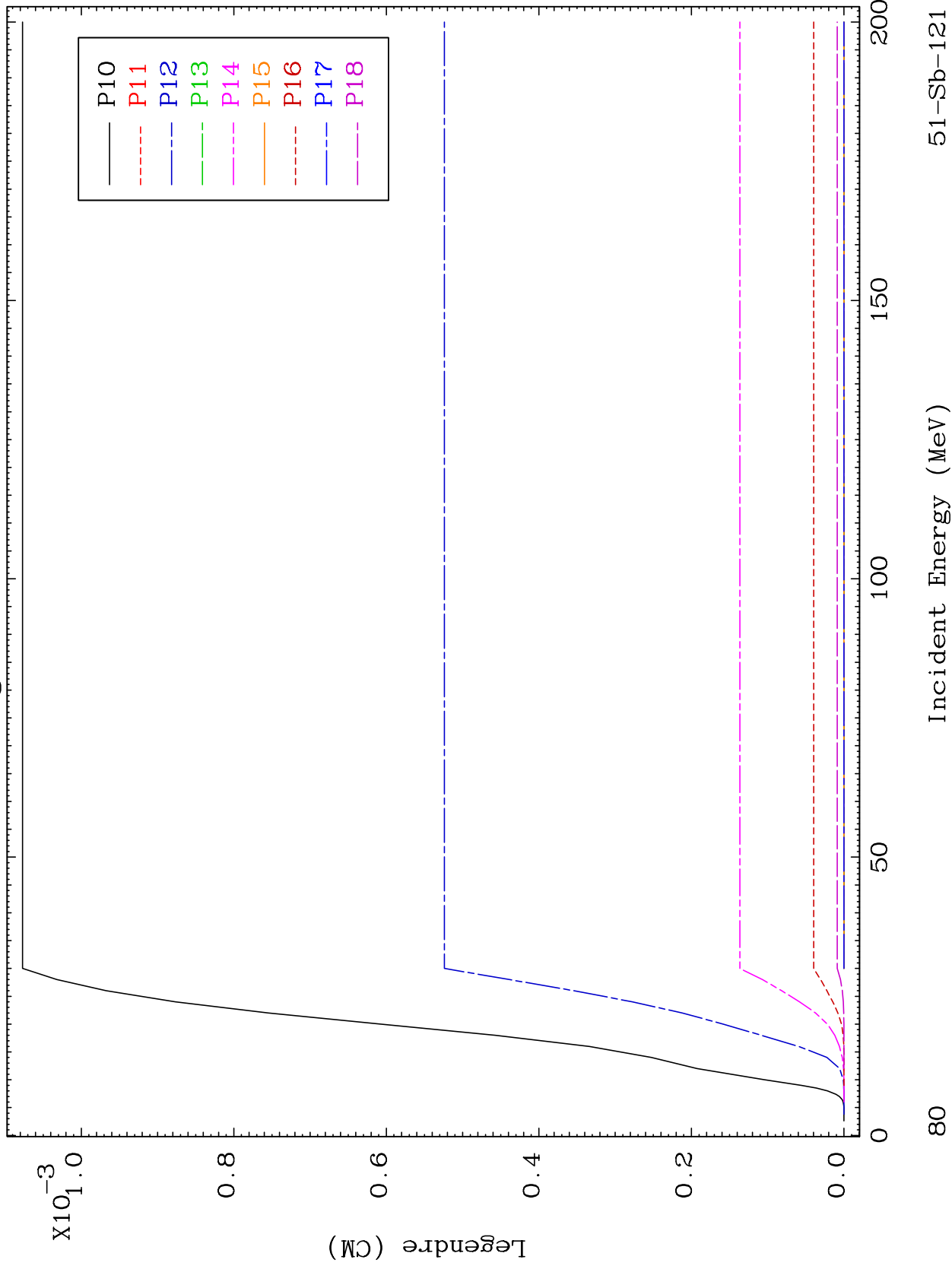


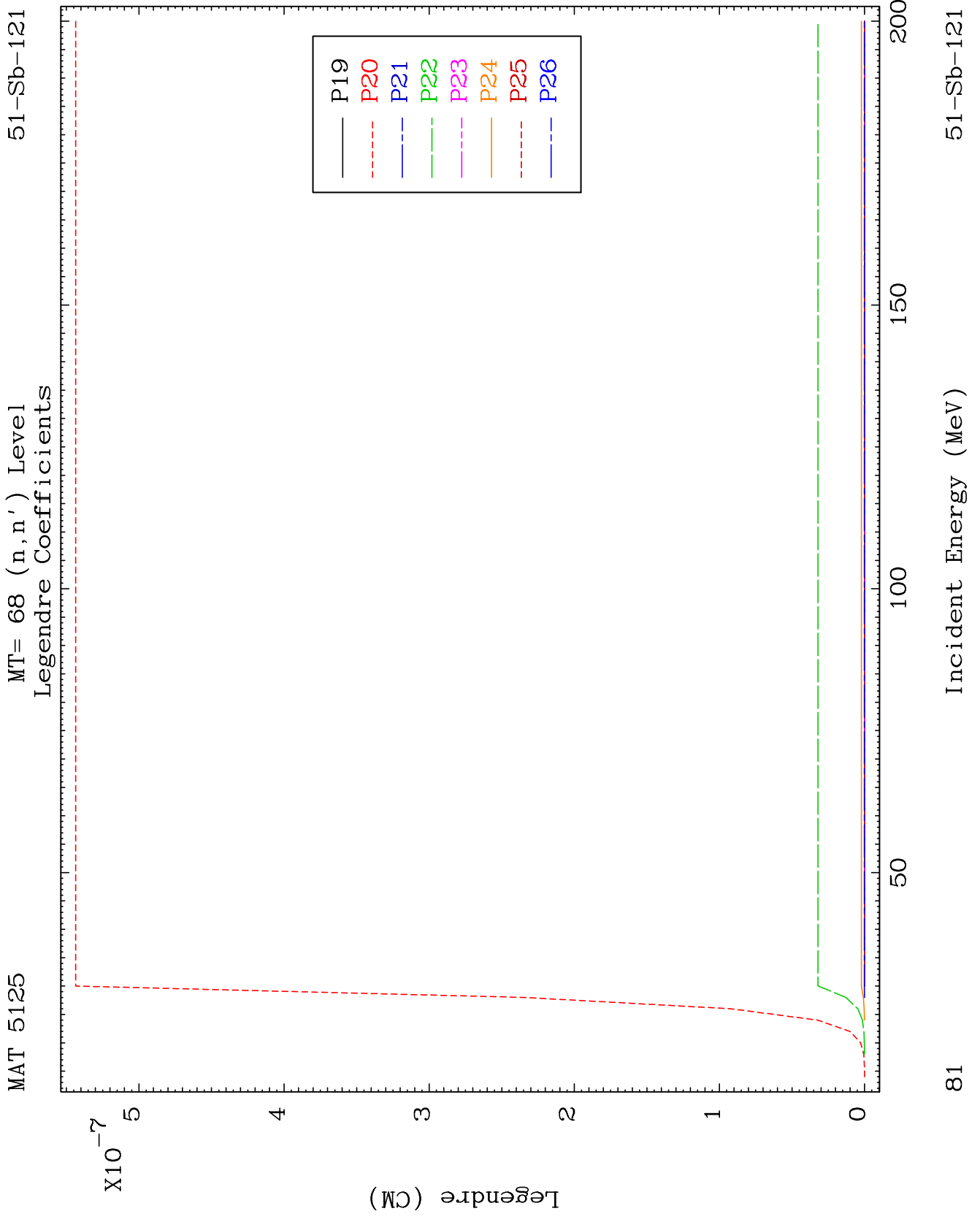


MAT 5125

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

51-Sb-121

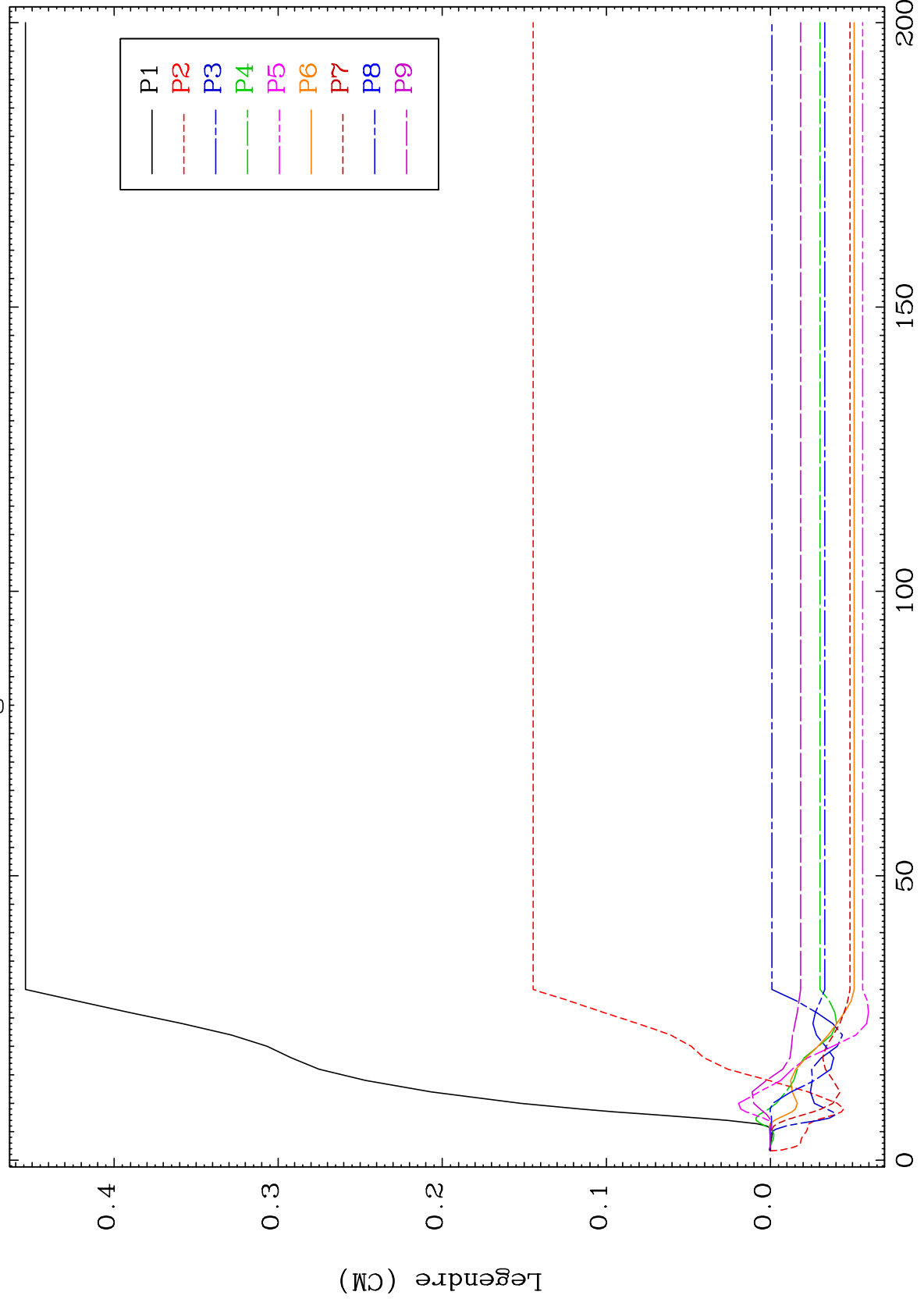




MAT 5125

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

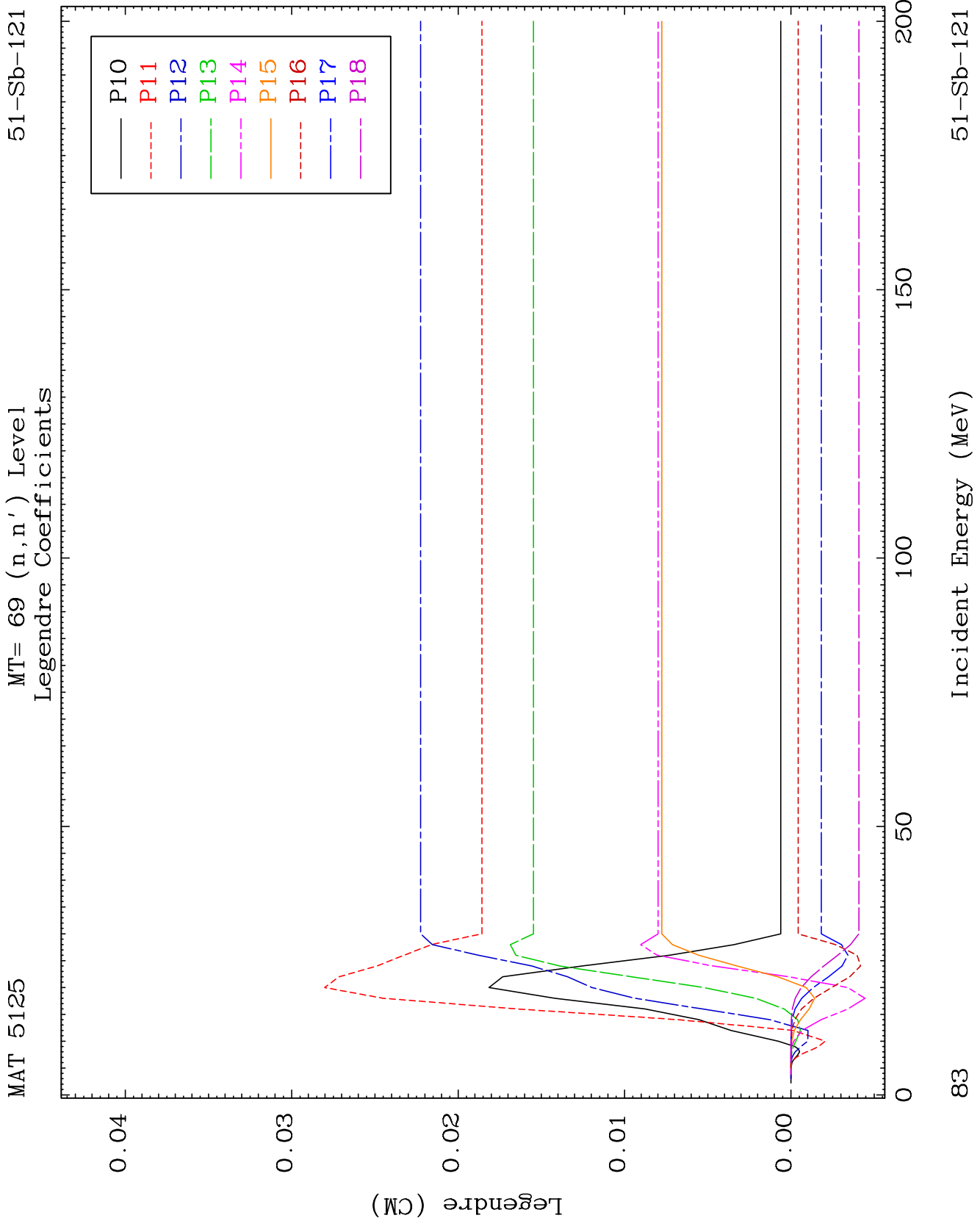
51-Sb-121



82

Incident Energy (MeV)

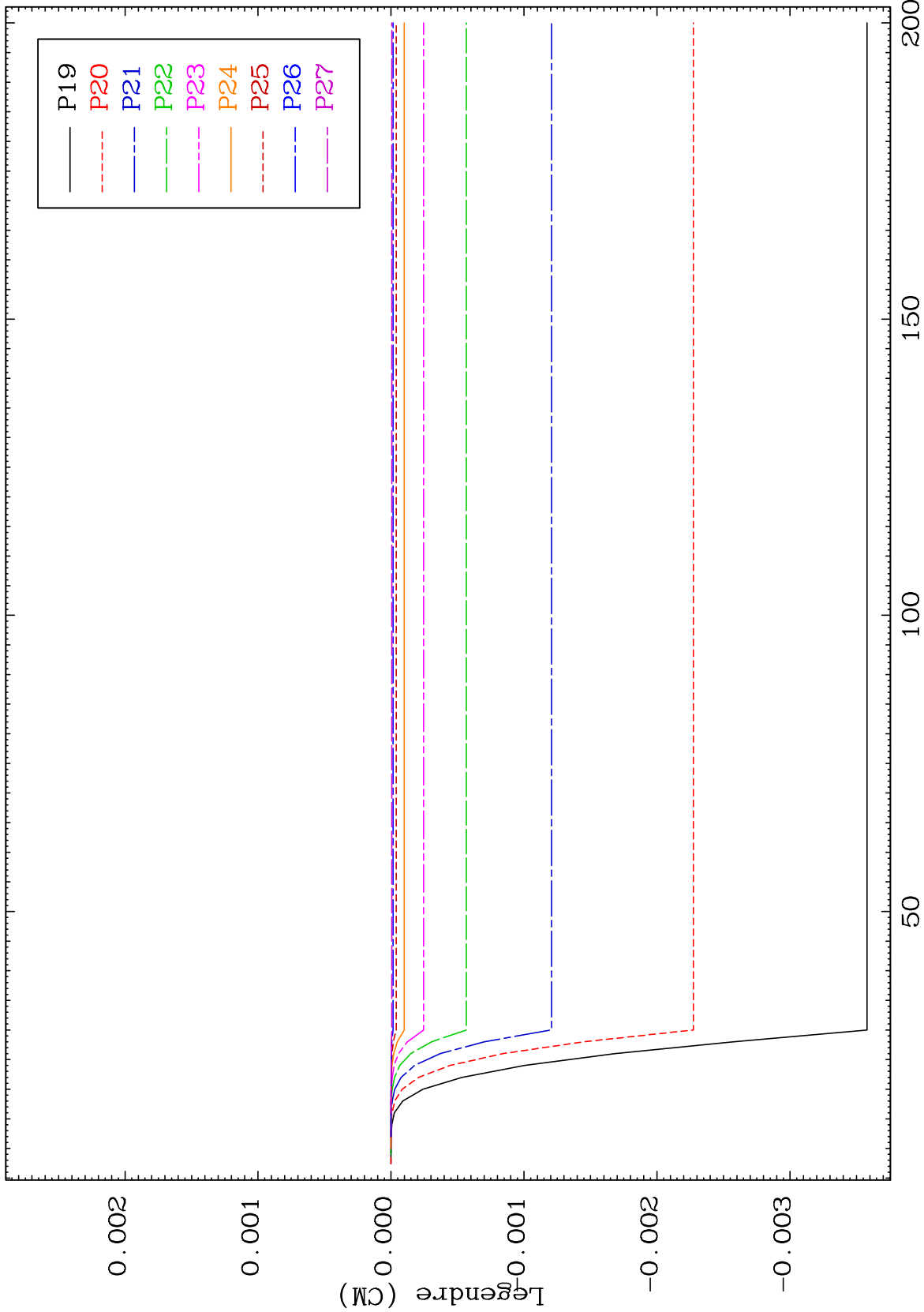
51-Sb-121



MAT 5125

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

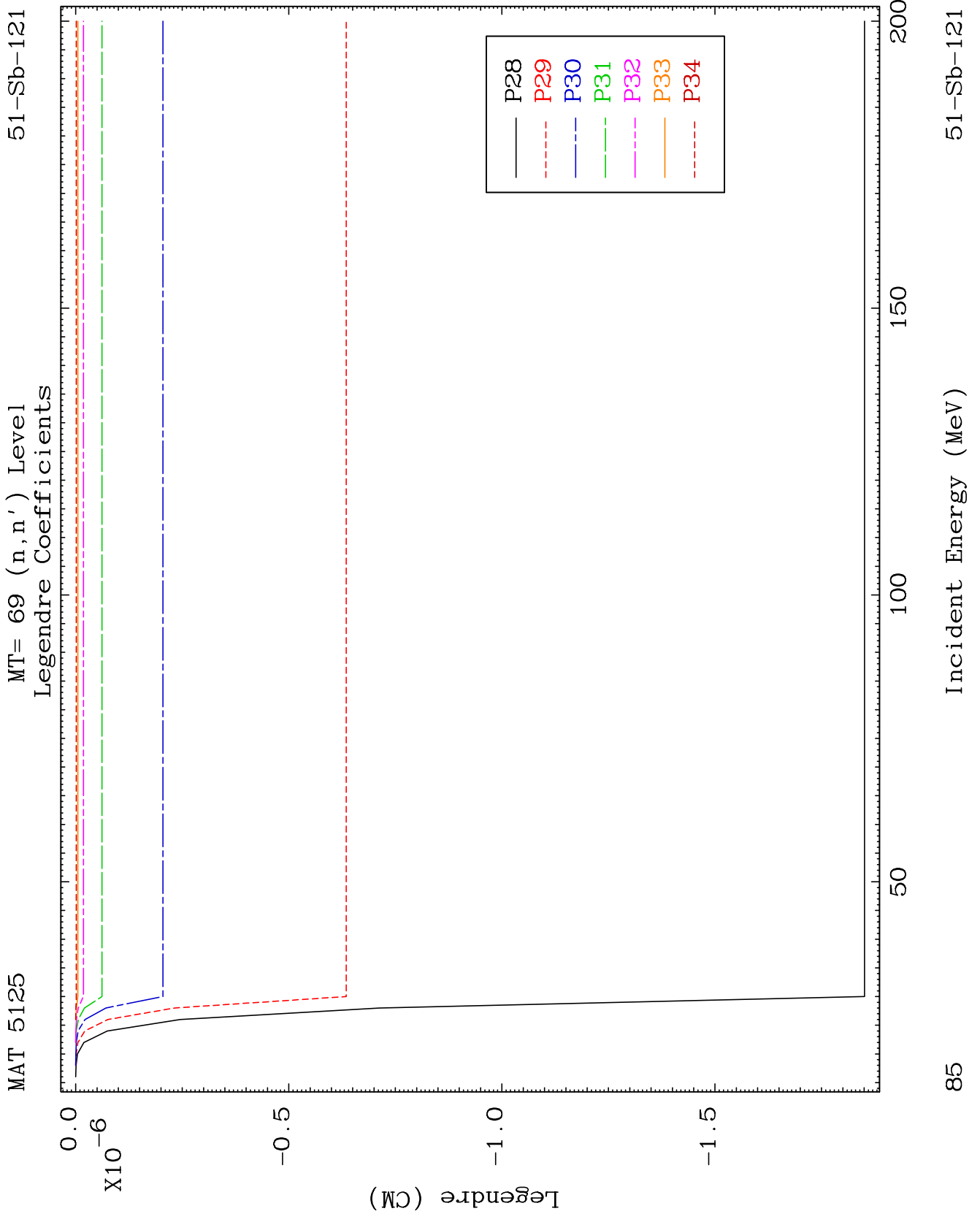
51-Sb-121

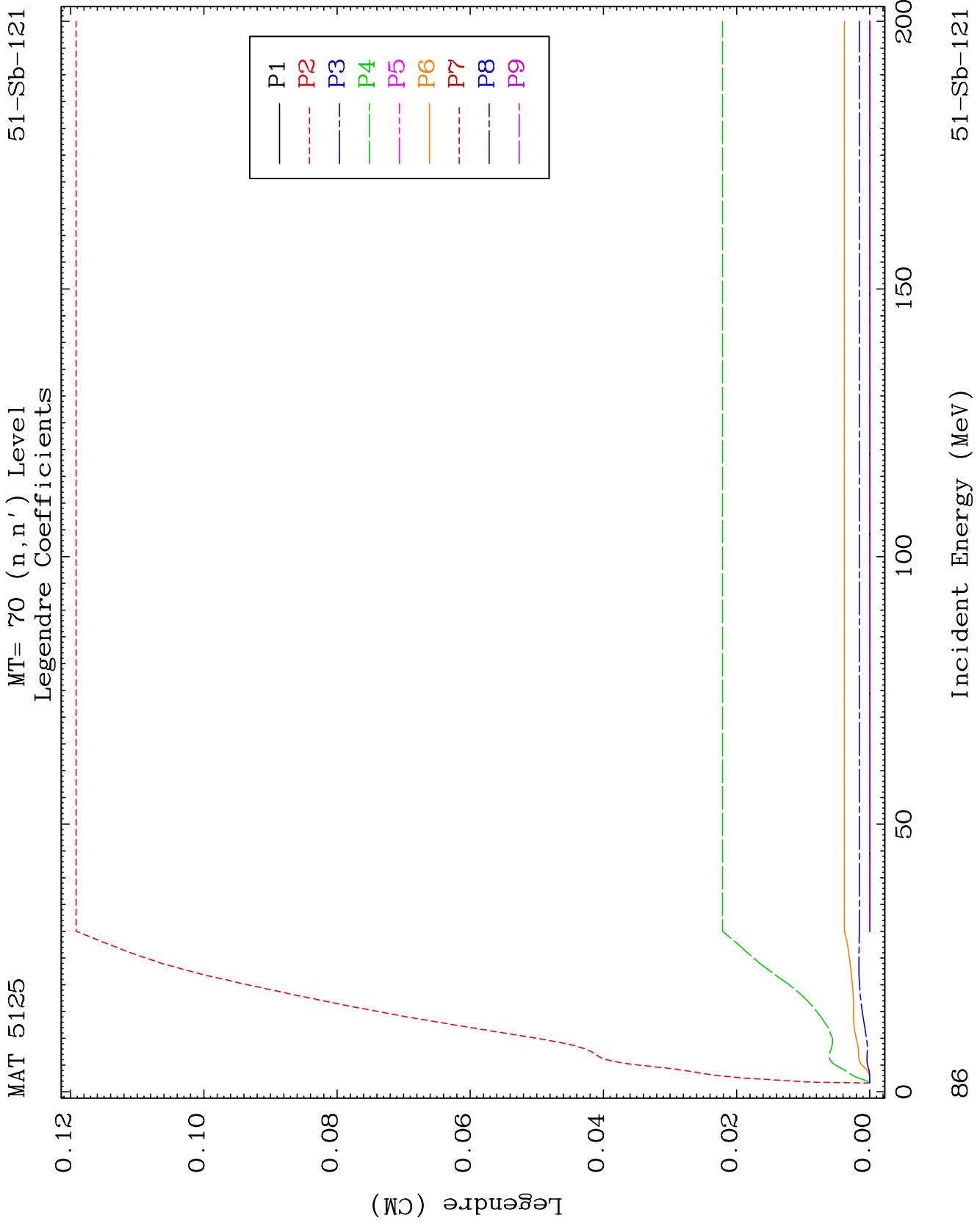


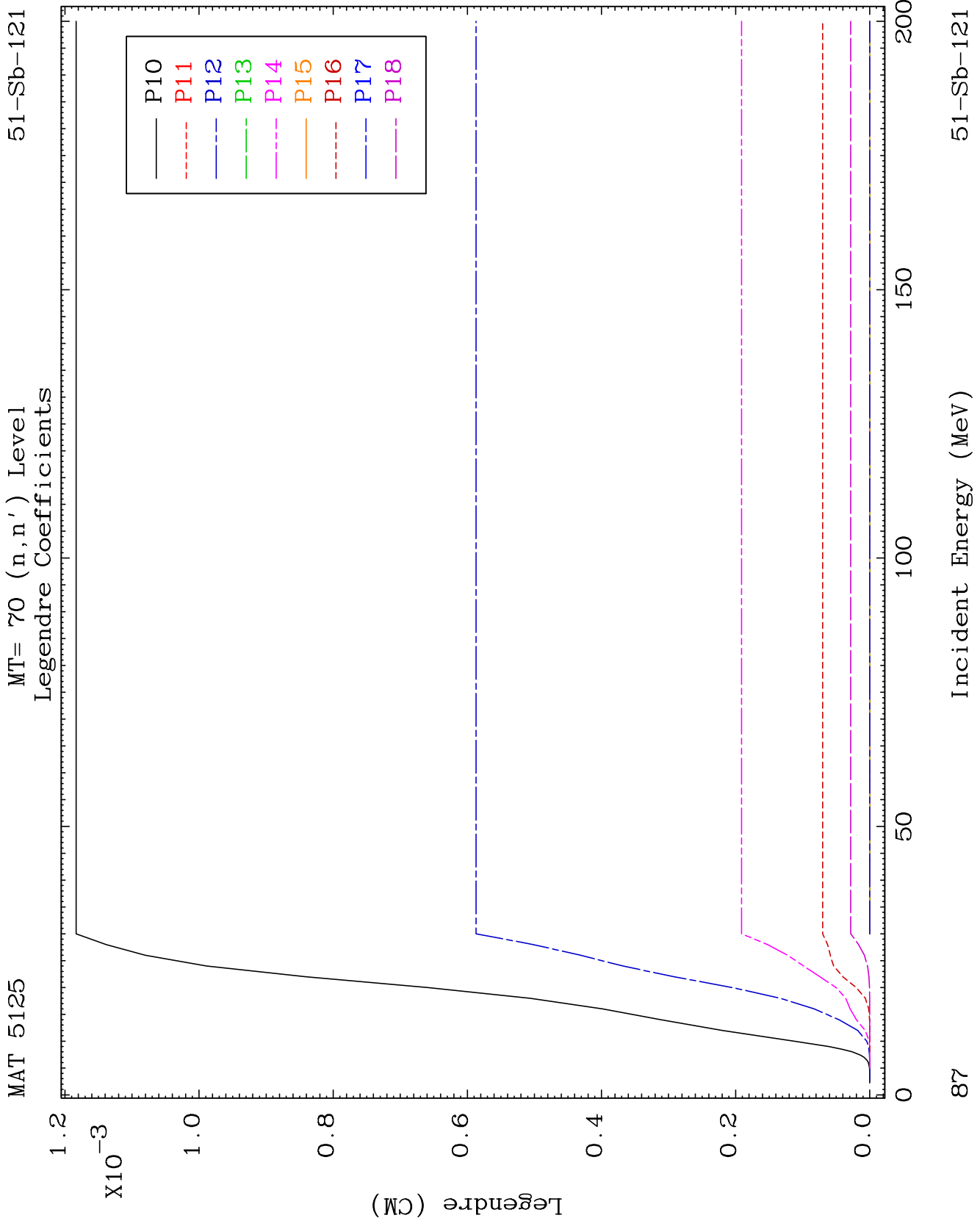
84

Incident Energy (MeV)

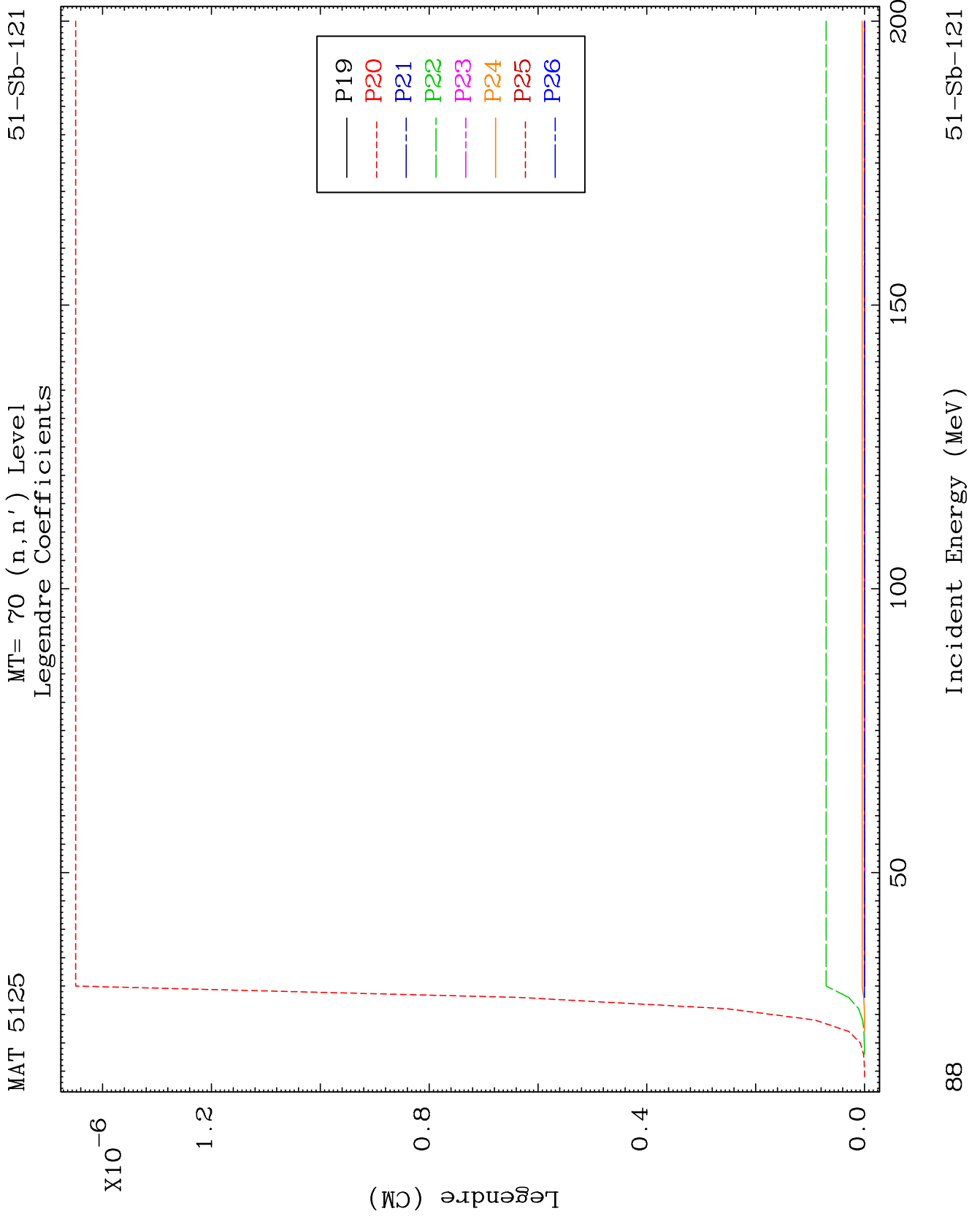
51-Sb-121







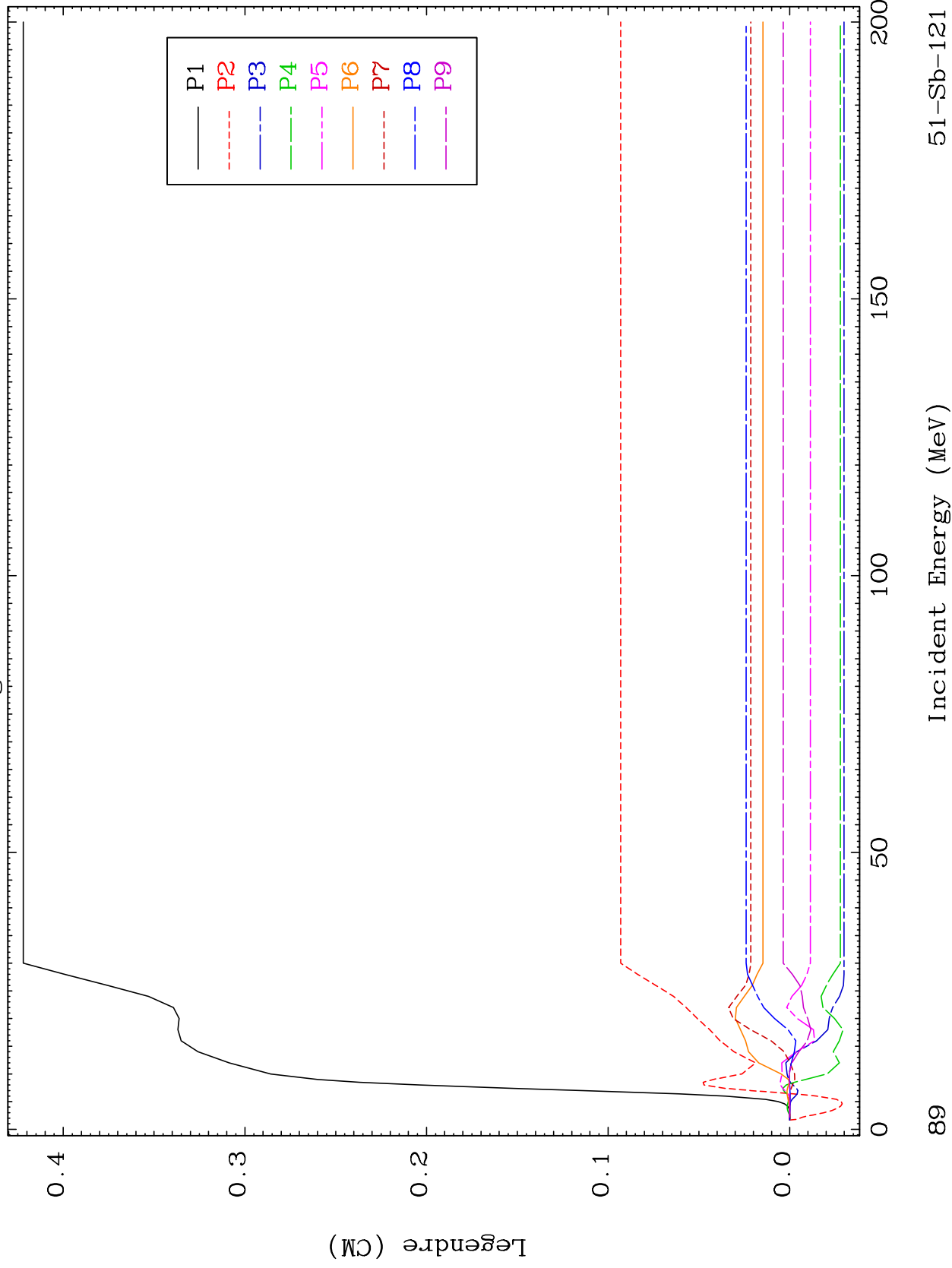




MAT 5125

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

51-Sb-121



51-Sb-121

Incident Energy (MeV)

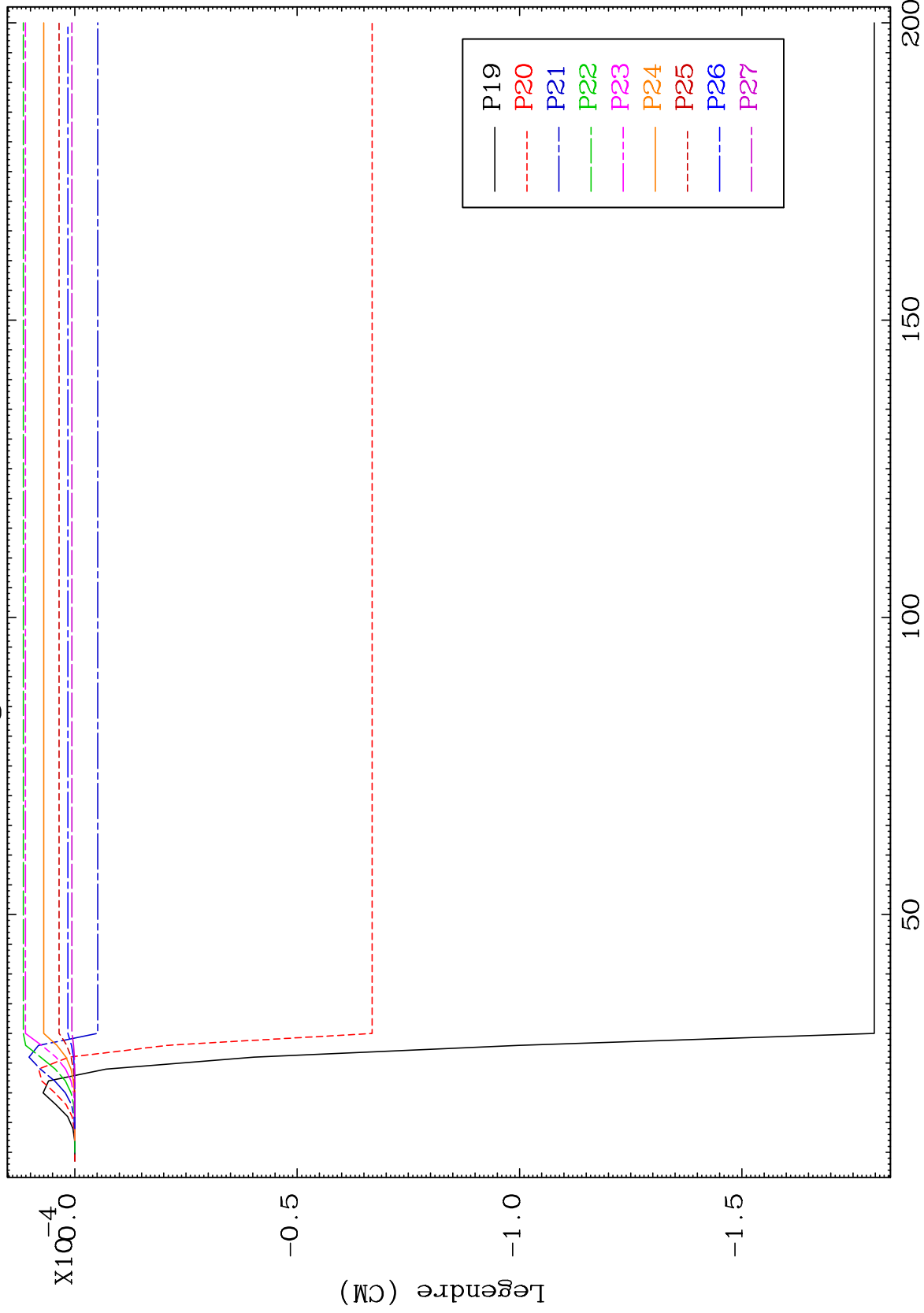
89



MAT 5125

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

51-Sb-121



91

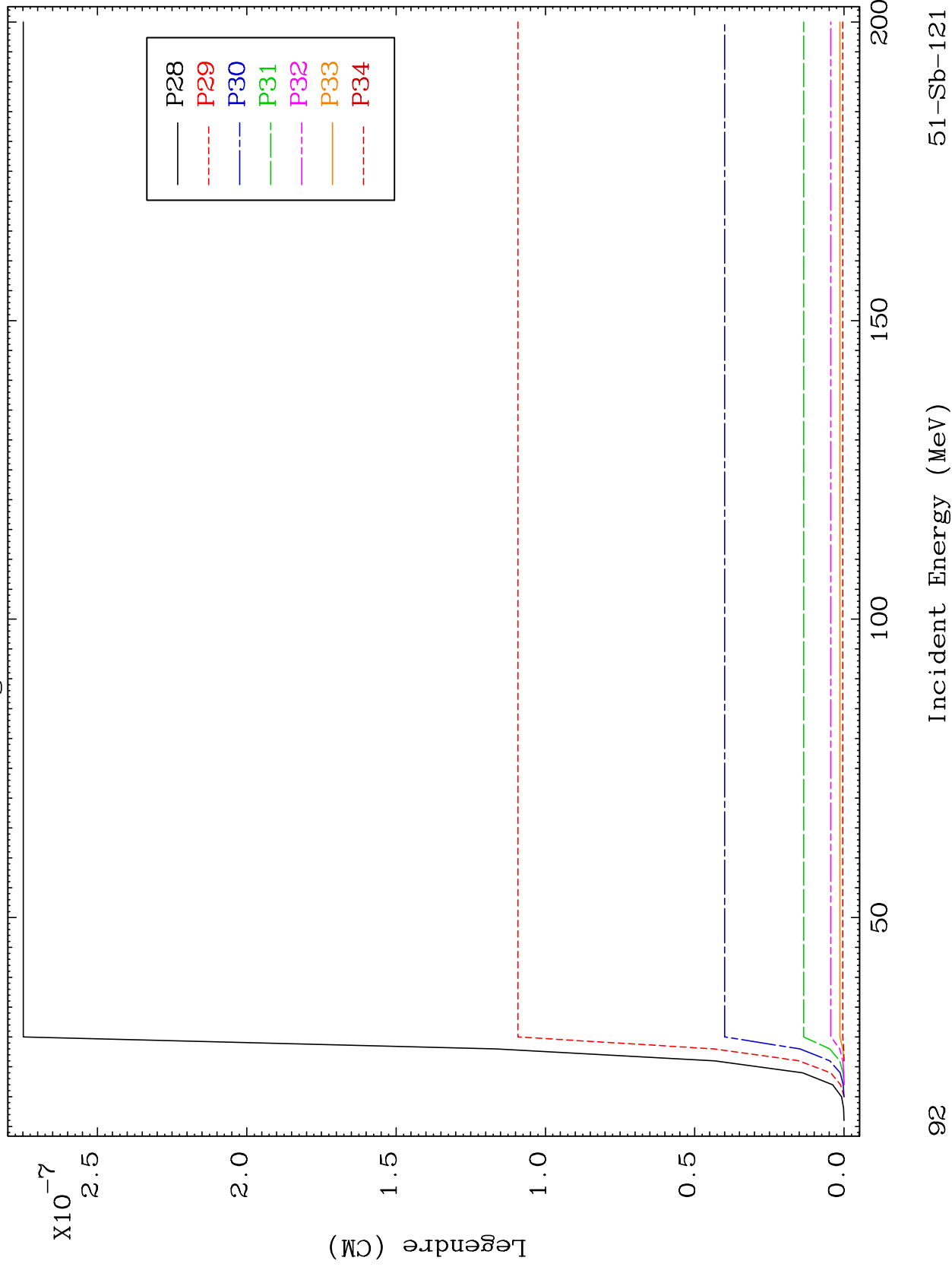
Incident Energy (MeV)

51-Sb-121

MAT 5125

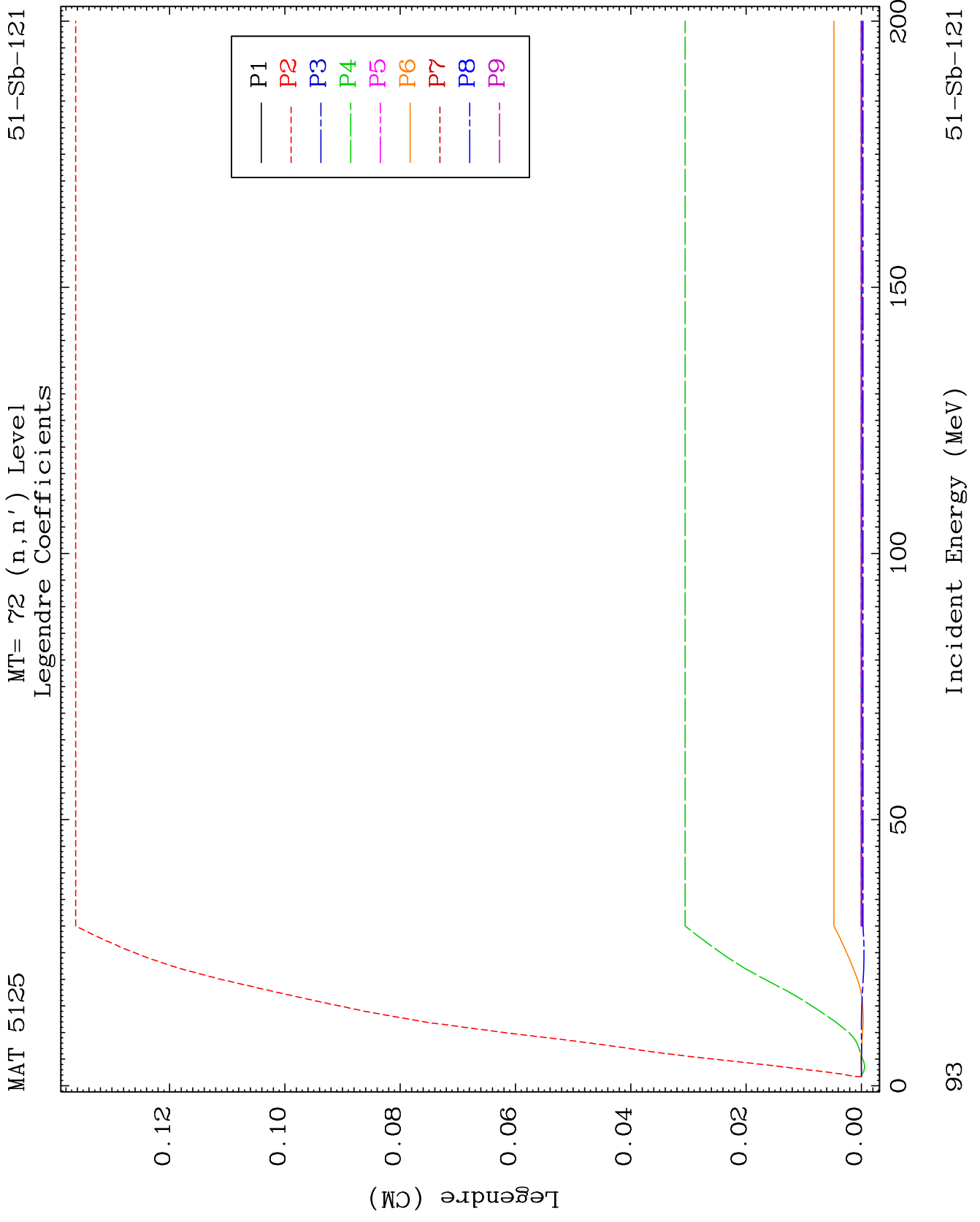
MT= 71 (n,n') Level  
Legendre Coefficients

51-Sb-121



92

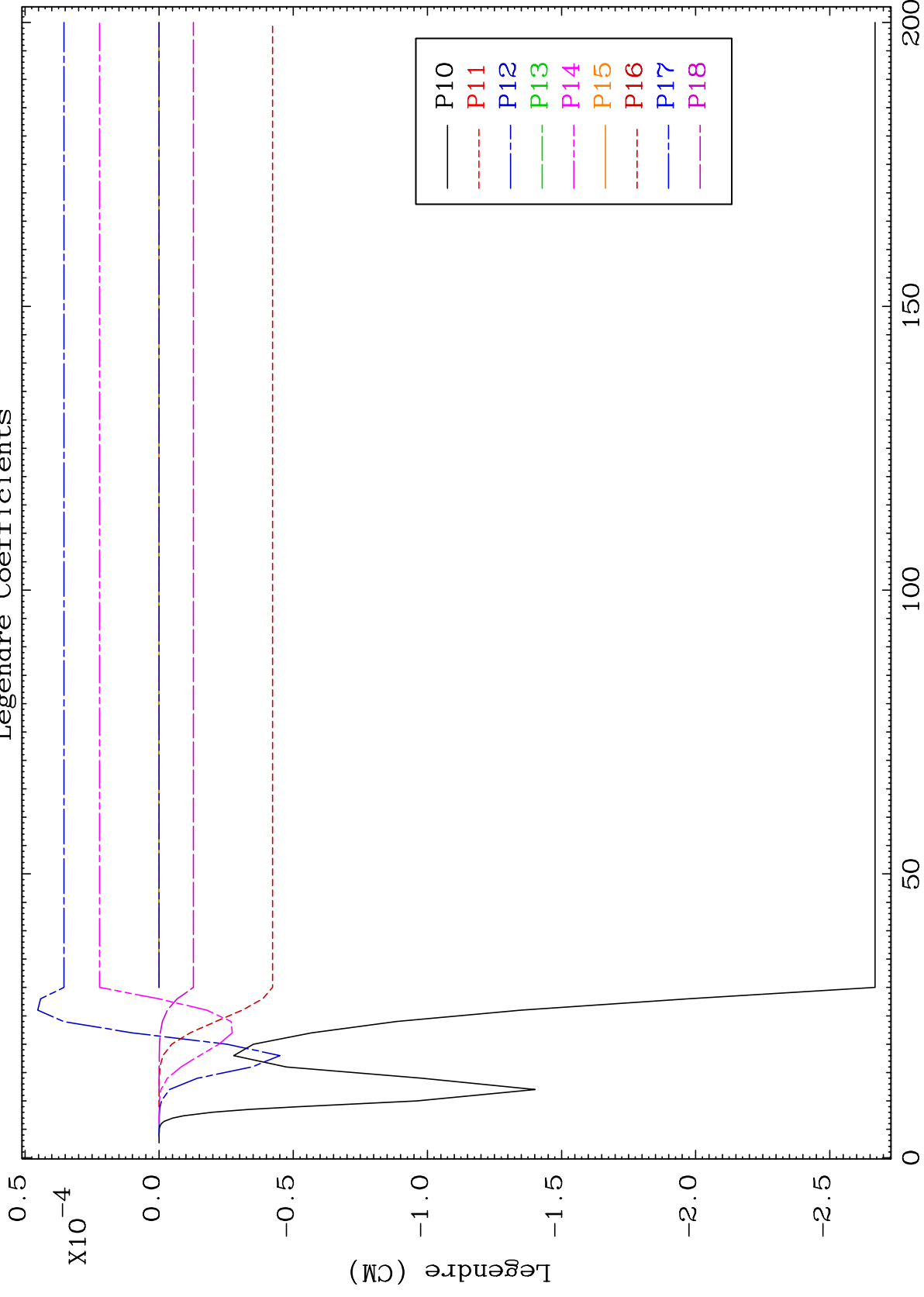
51-Sb-121



MAT 5125

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

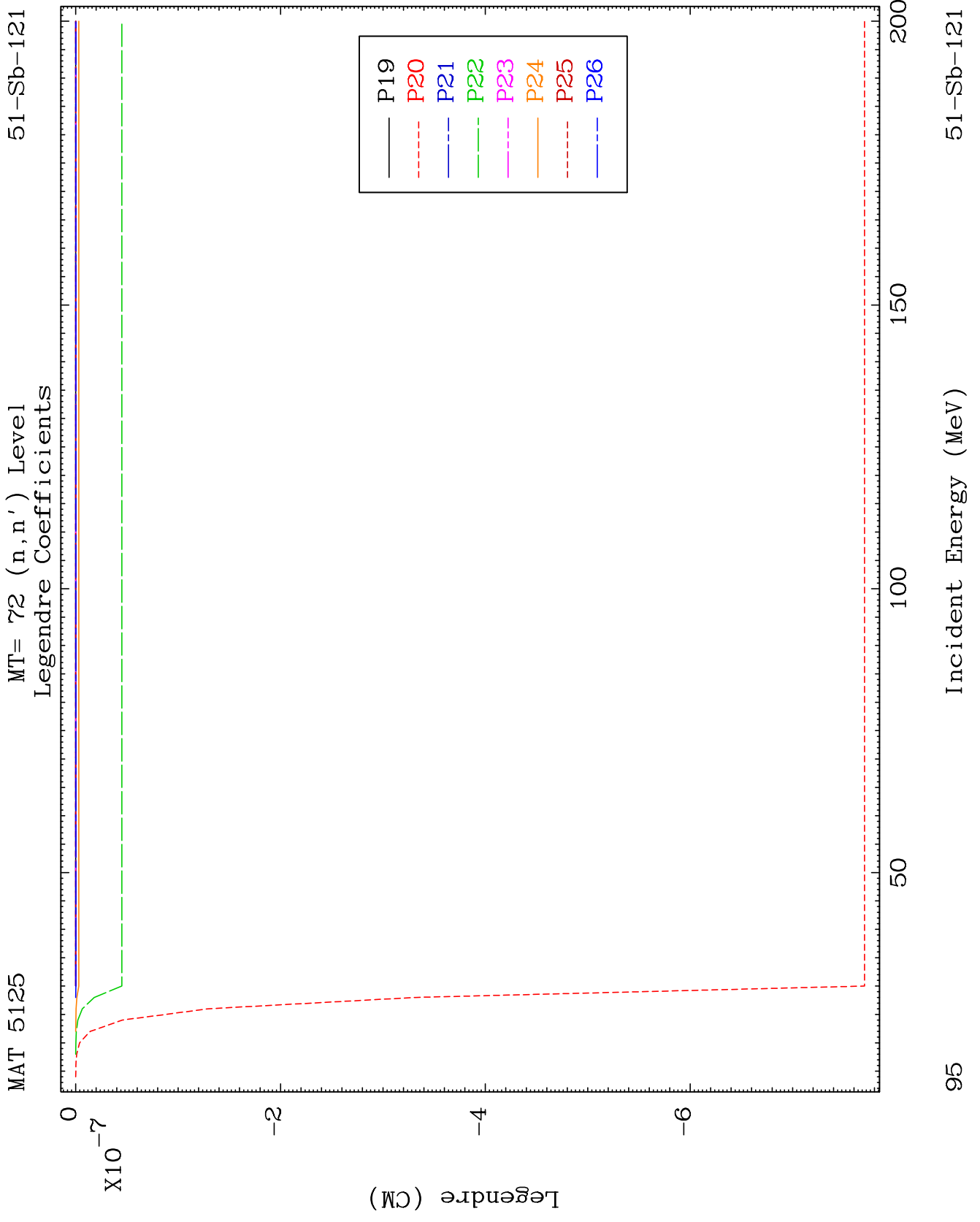
51-Sb-121



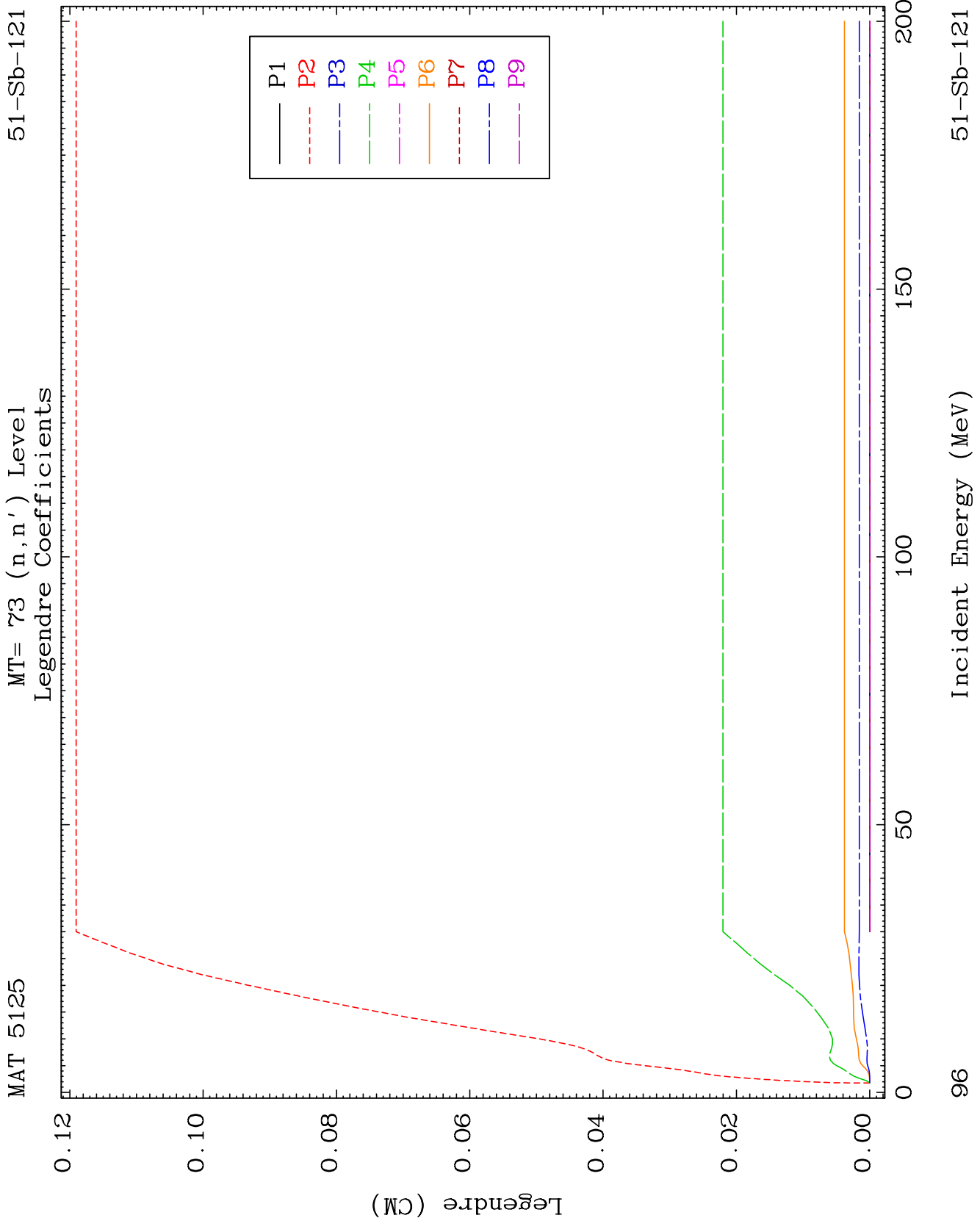
94

Incident Energy (MeV)

51-Sb-121



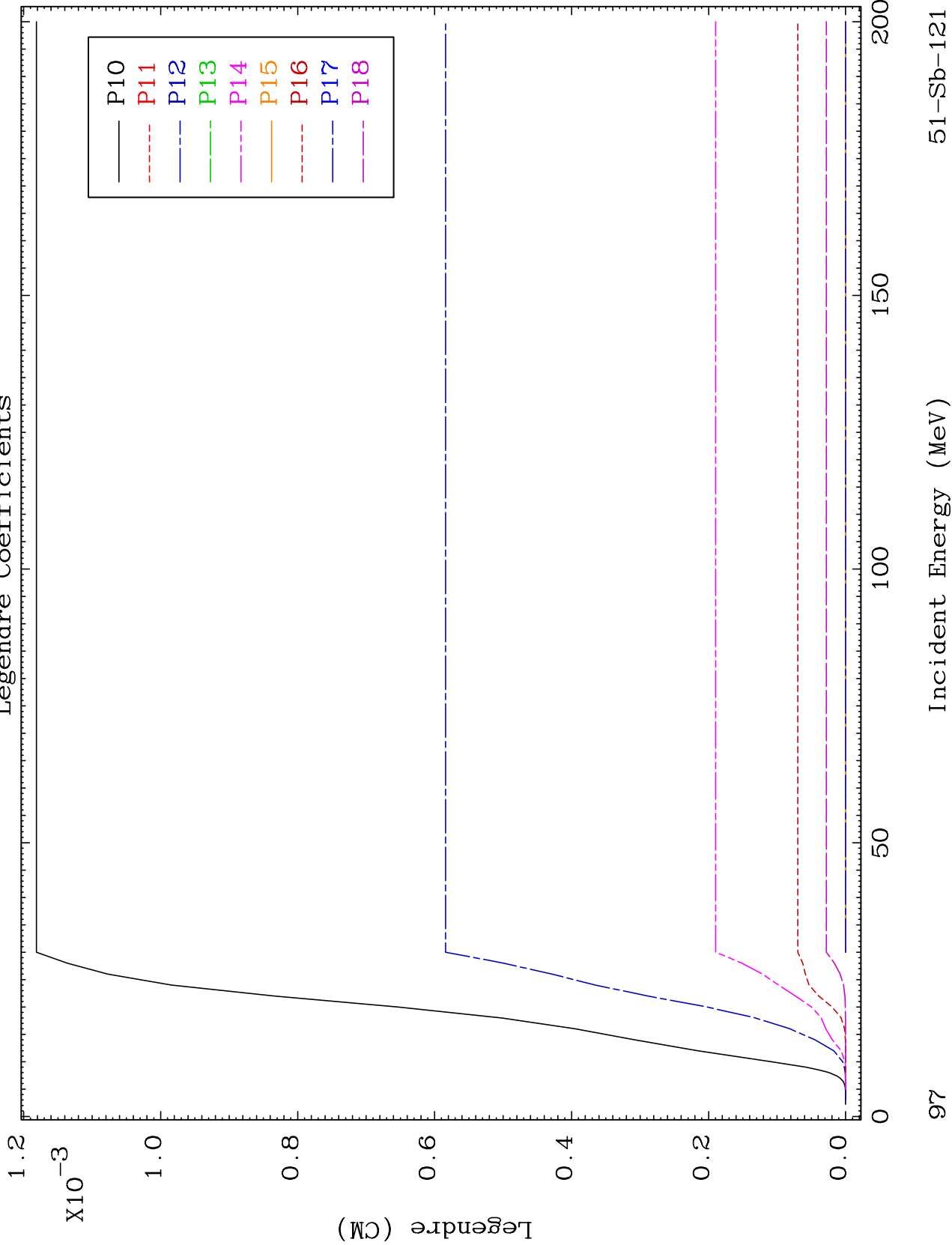




MAT 5125

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

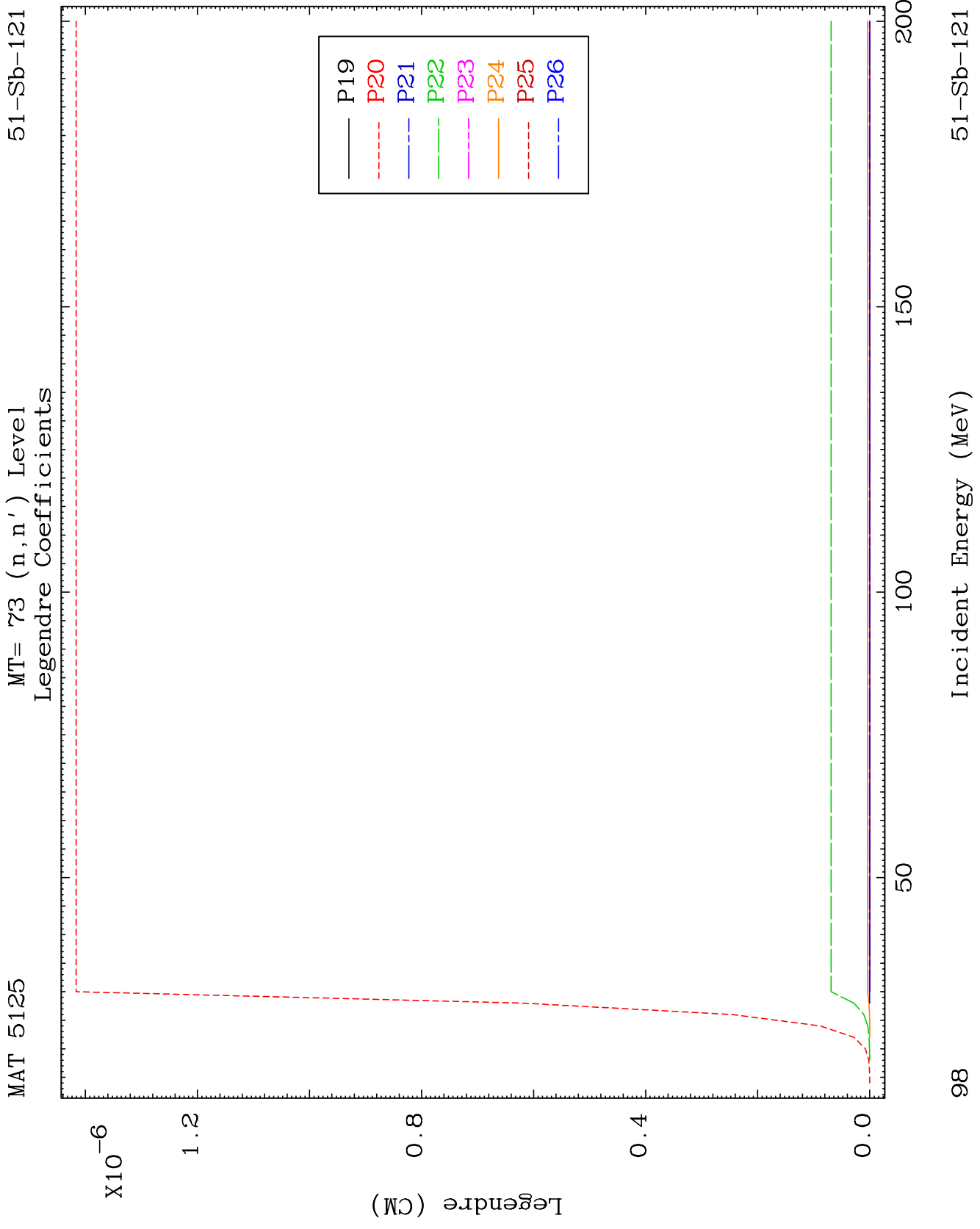
51-Sb-121

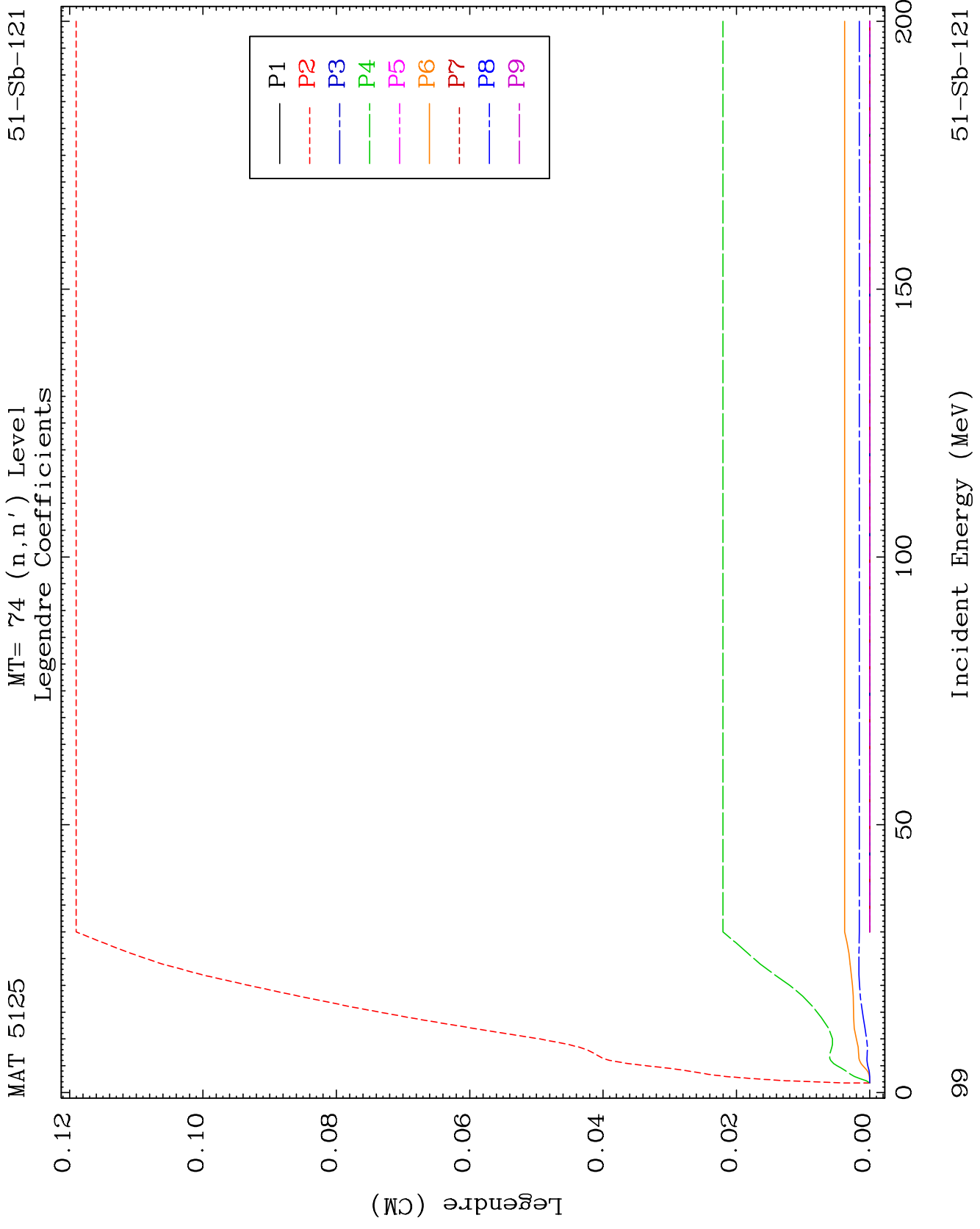


97

Incident Energy (MeV)

51-Sb-121



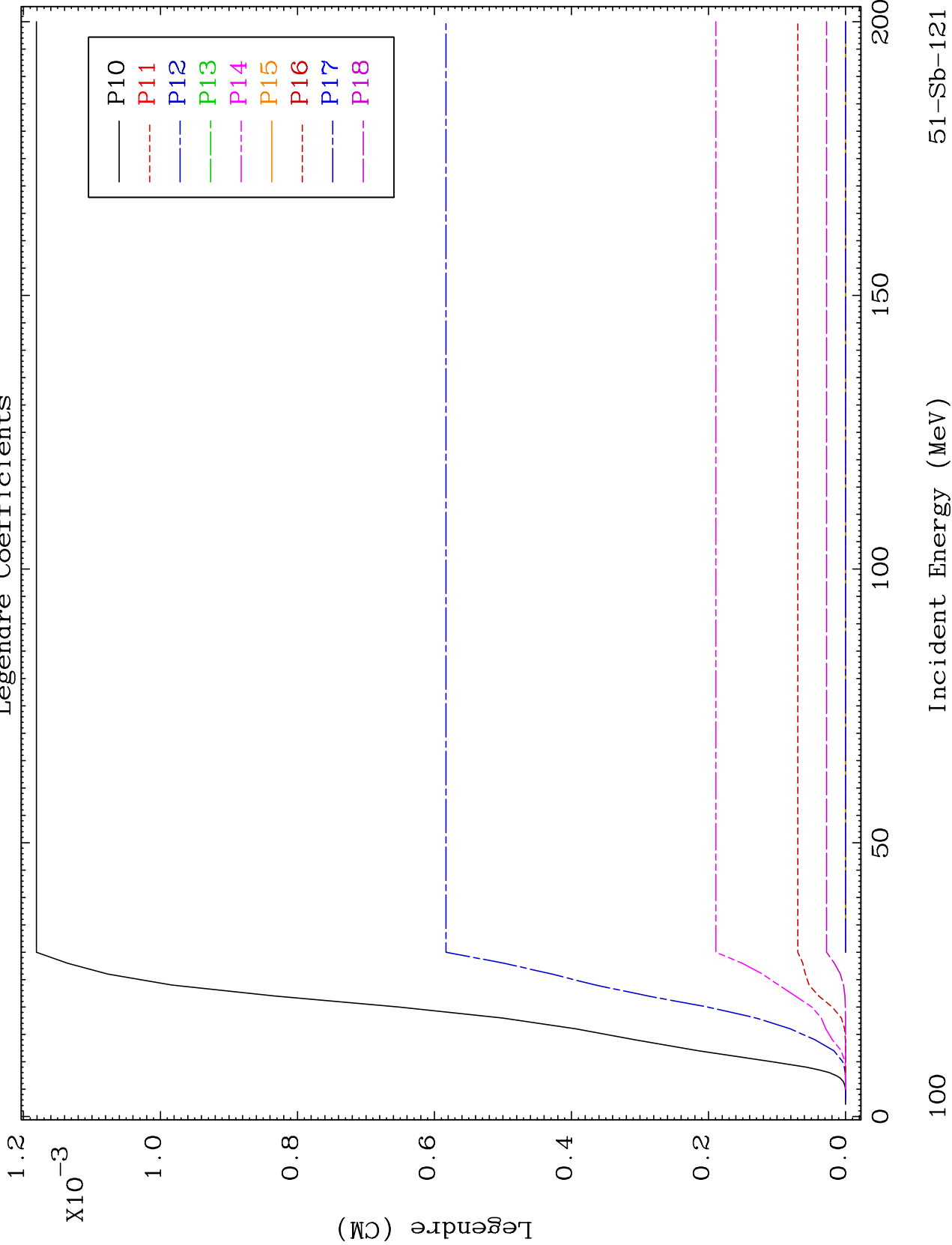


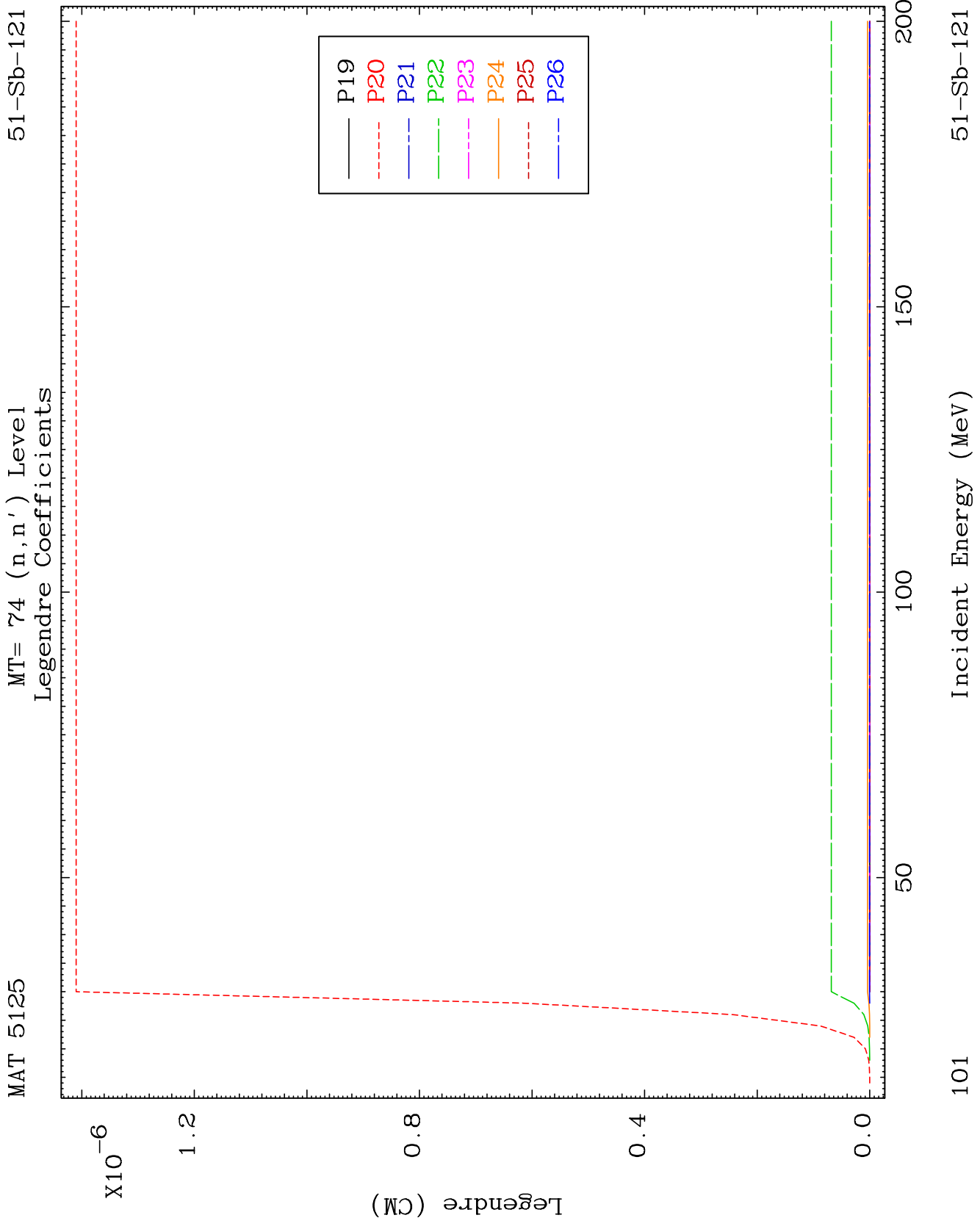
MAT 5125

MT= 74 (n,n') Level

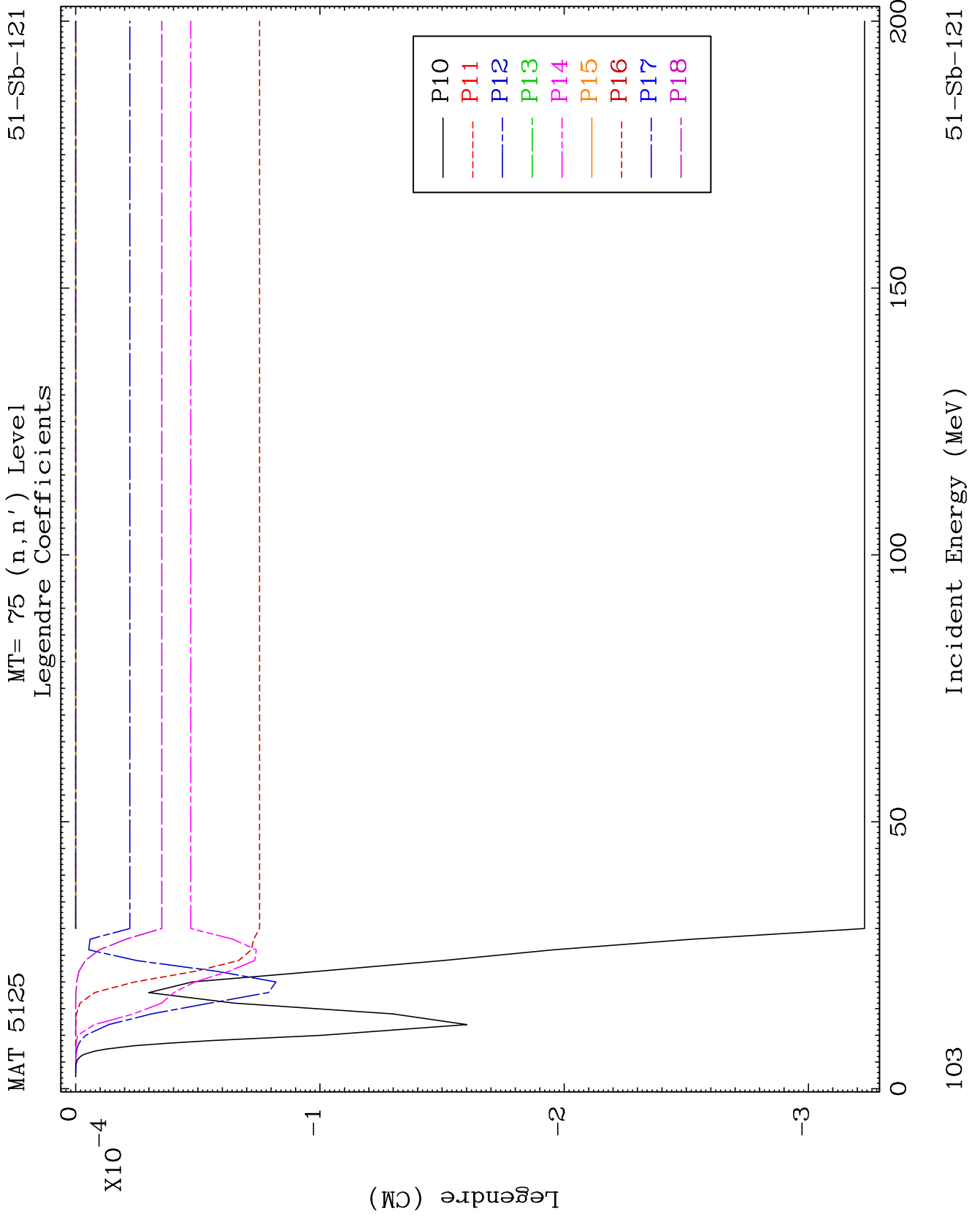
51-Sb-121

Legendre Coefficients

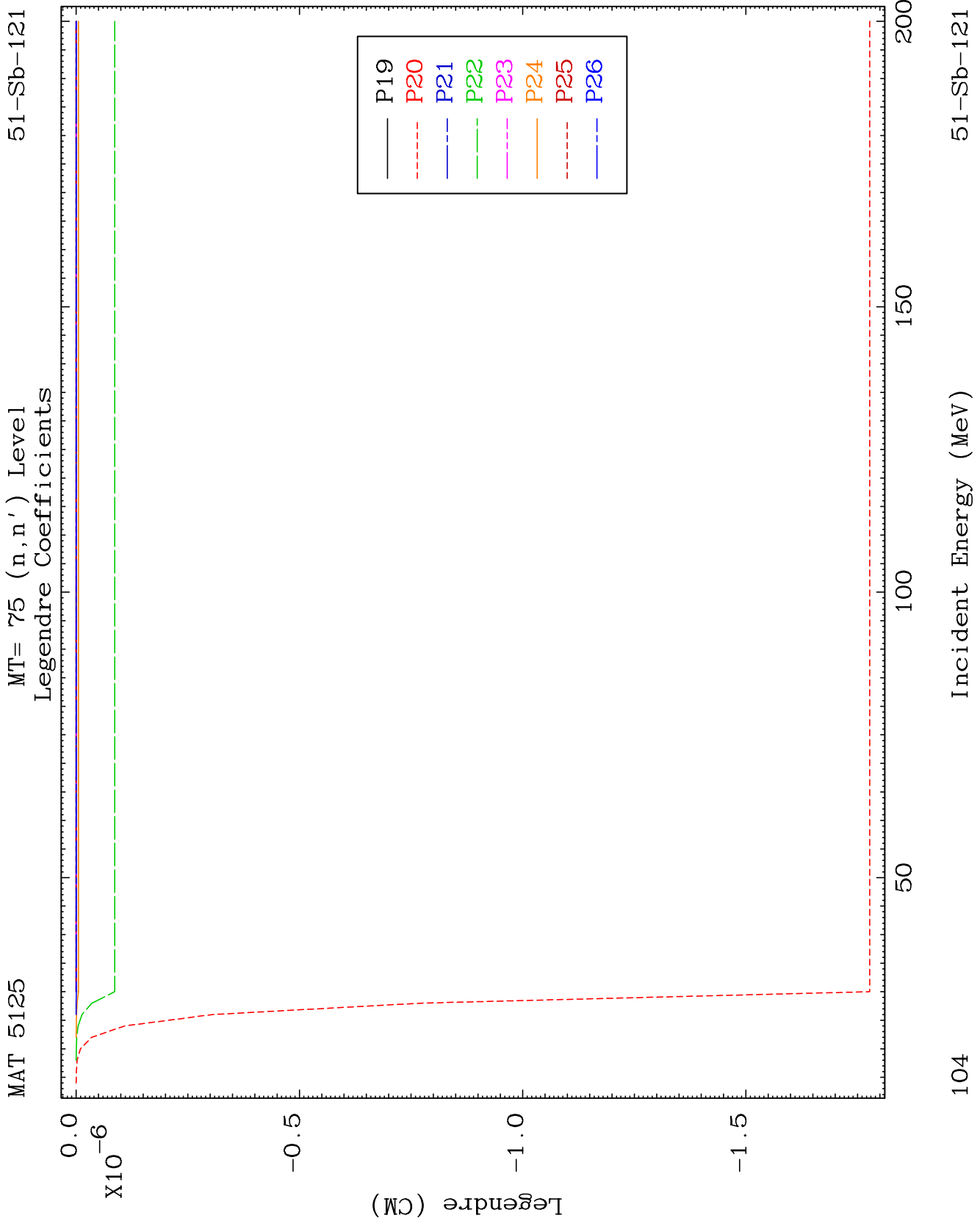












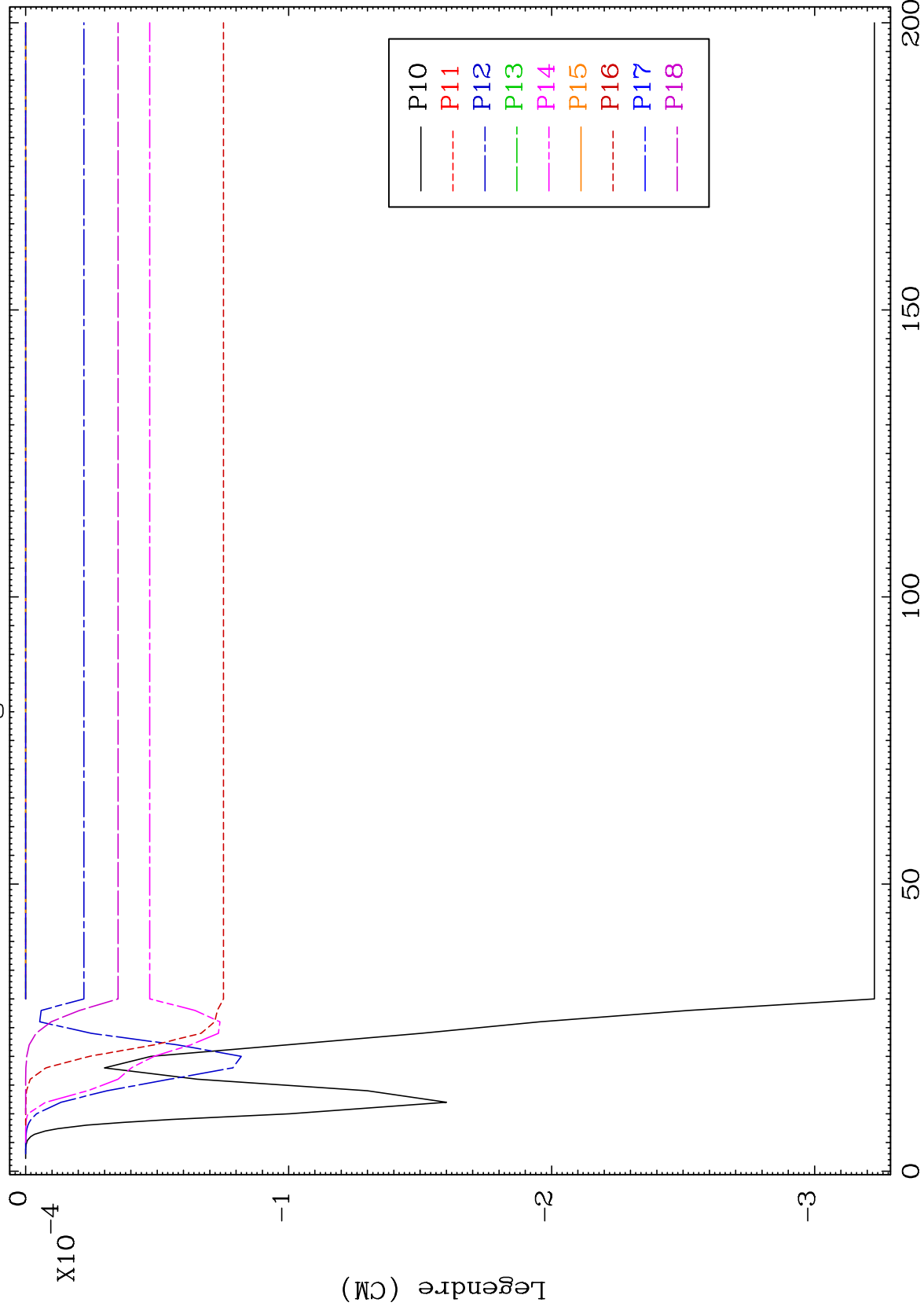


MAT 5125

MT= 76 (n,n') Level

51-Sb-121

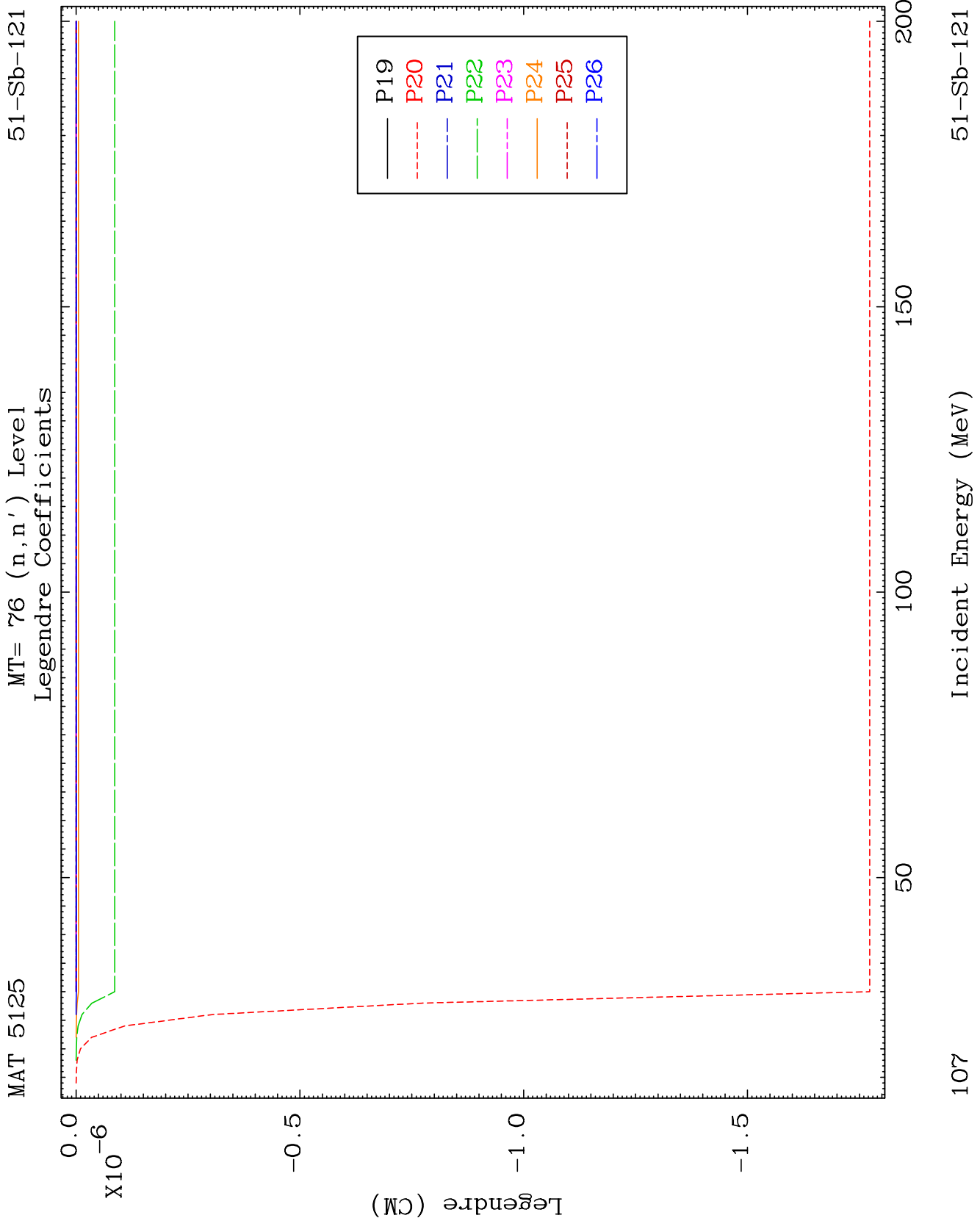
Legendre Coefficients



106

Incident Energy (MeV)

51-Sb-121

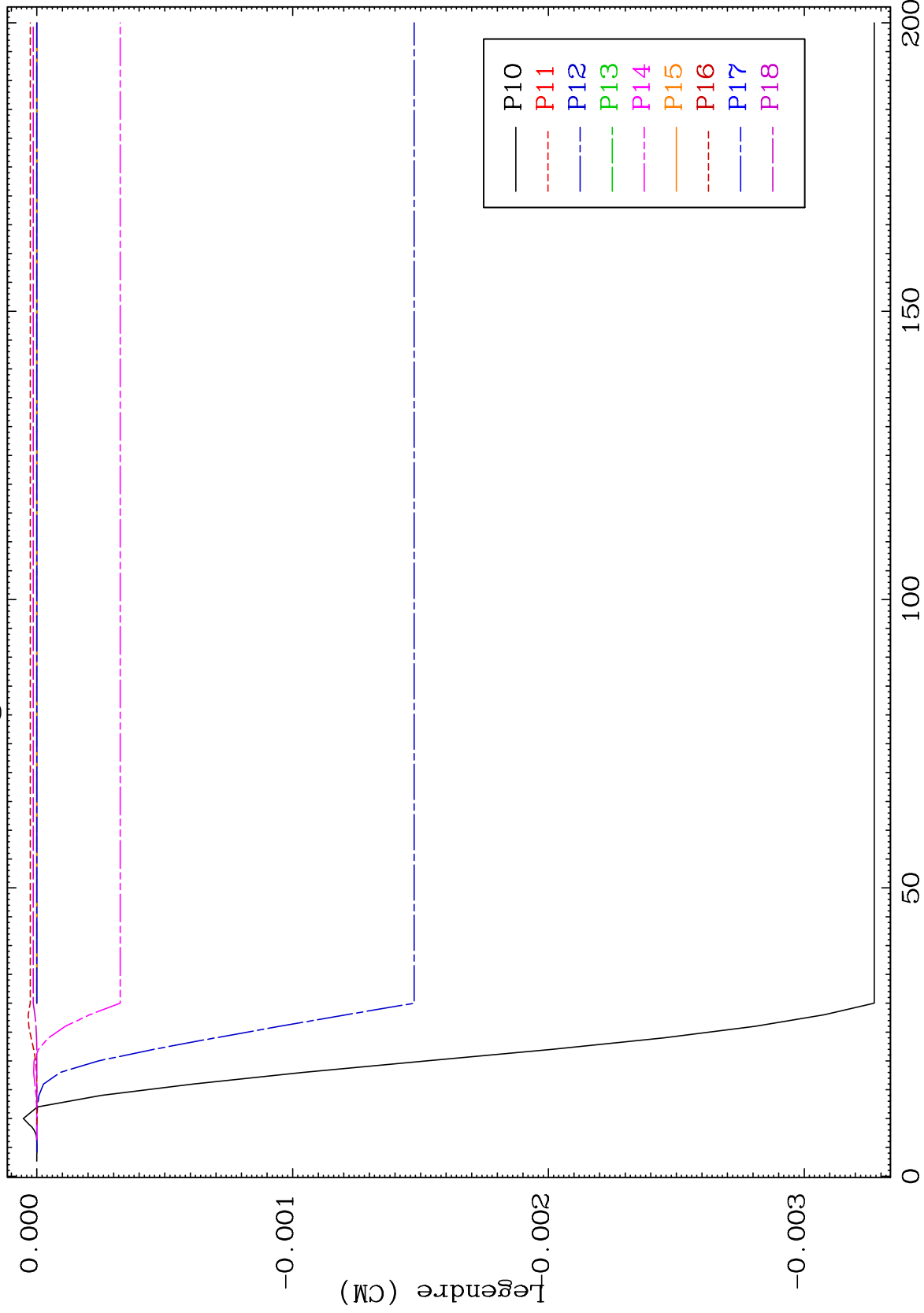




MAT 5125

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

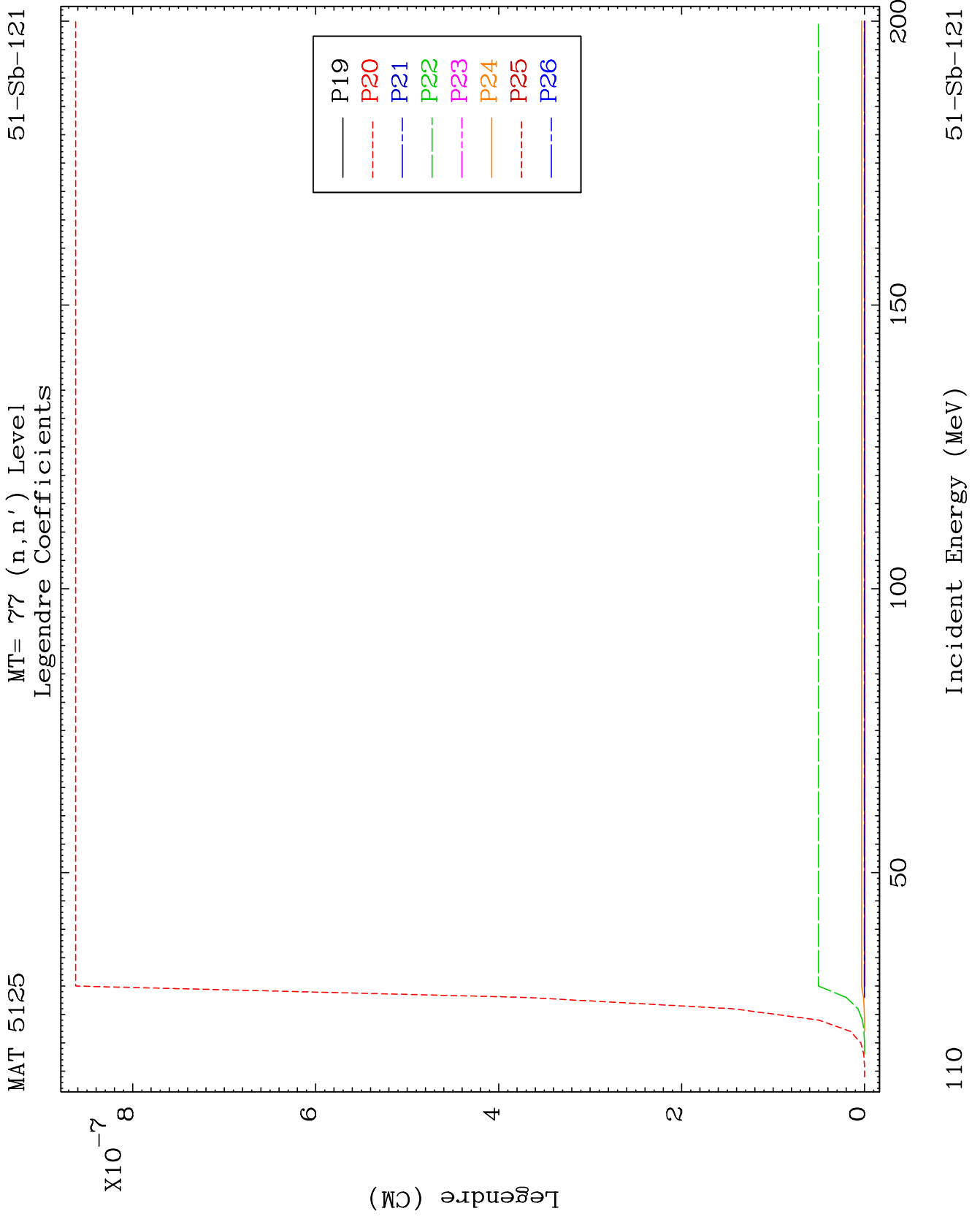
51-Sb-121

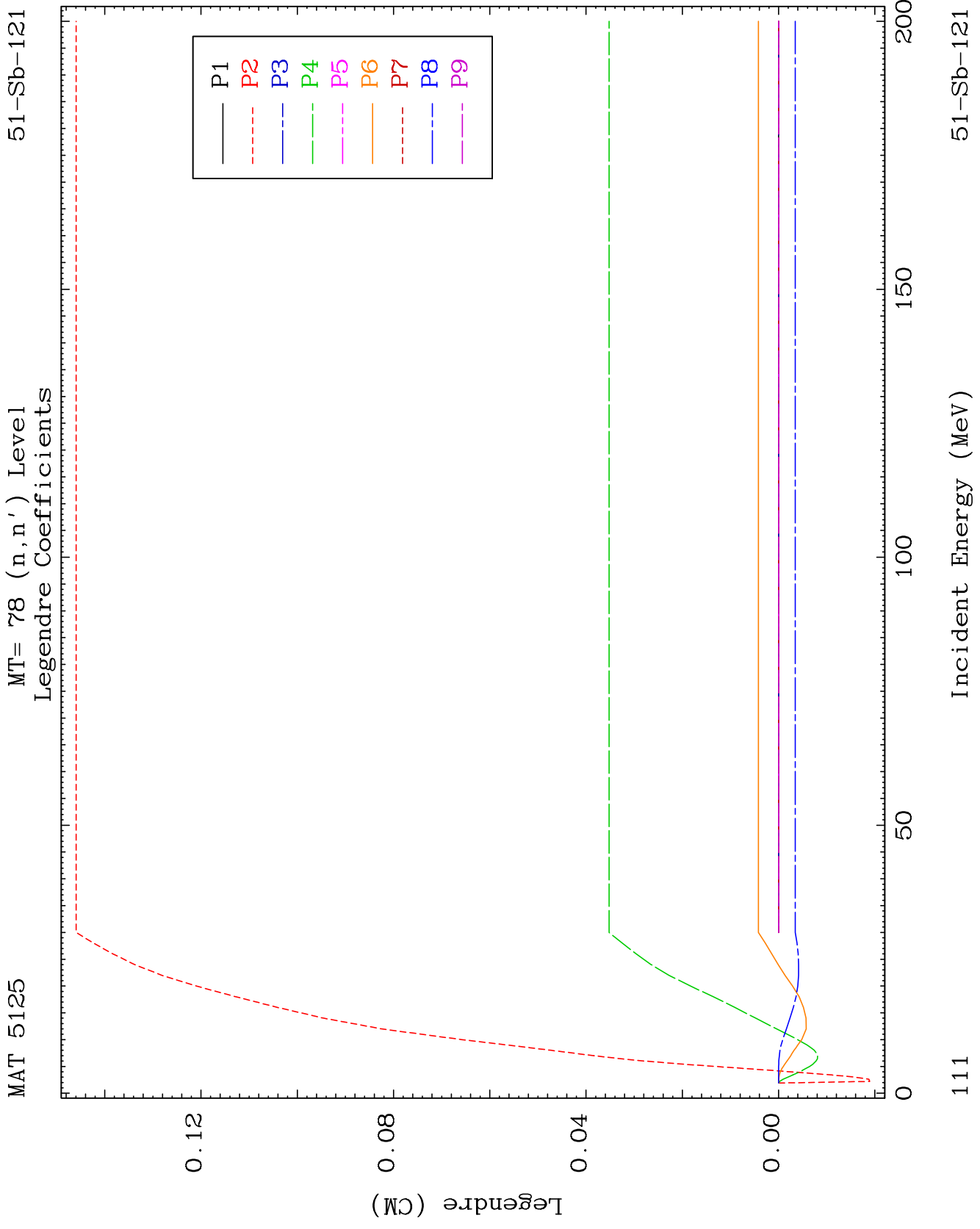


109

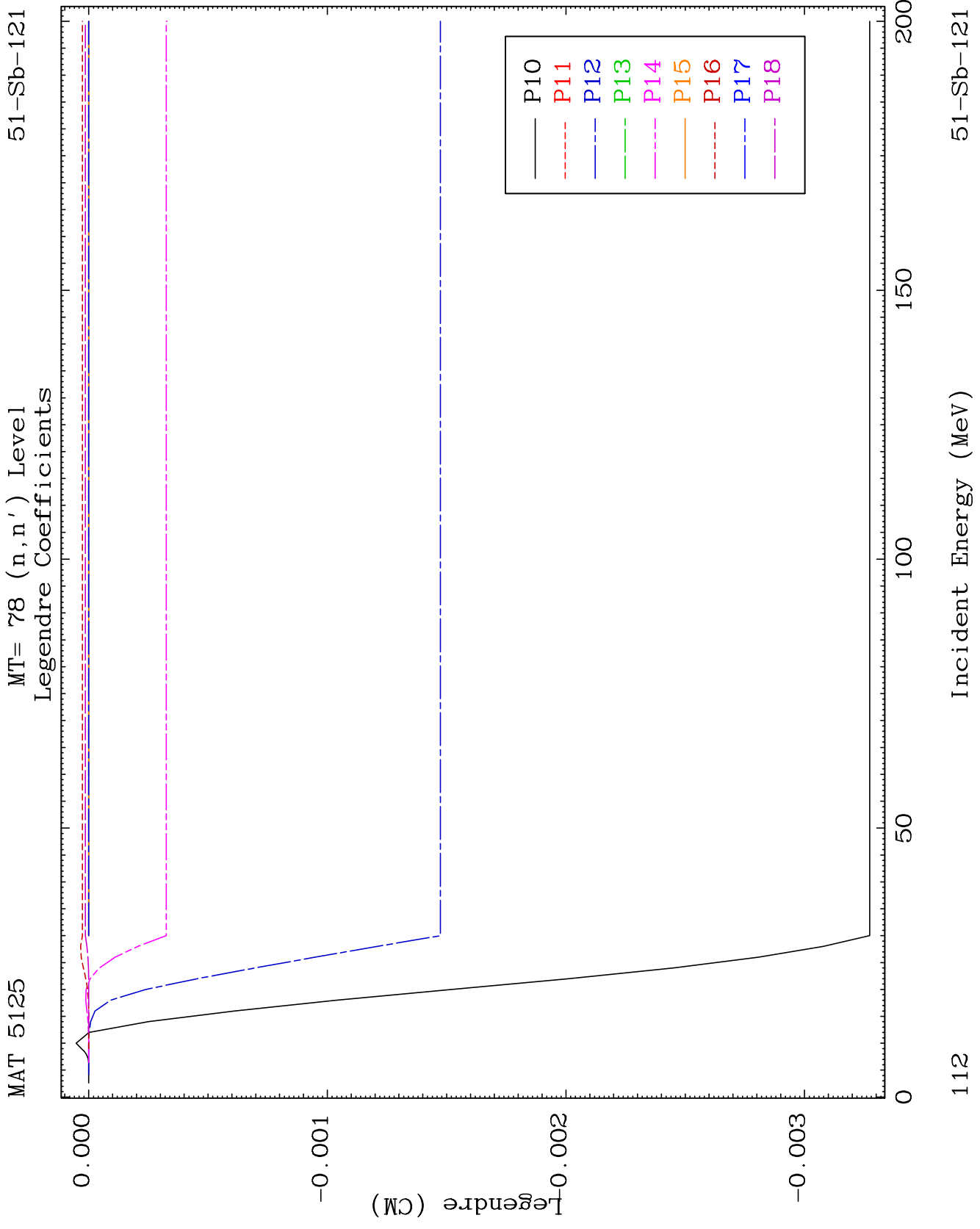
Incident Energy (MeV)

51-Sb-121





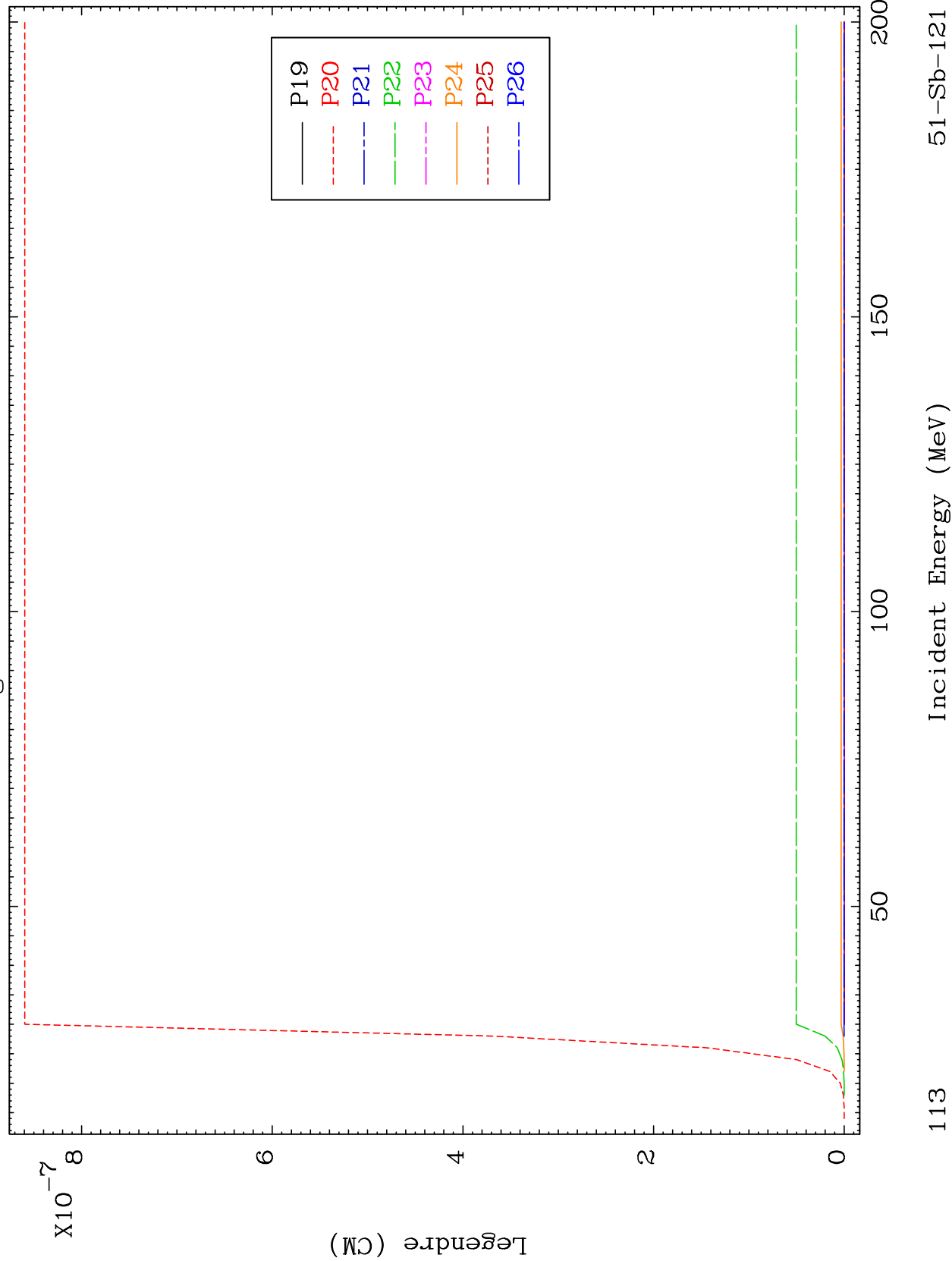




MAT 5125

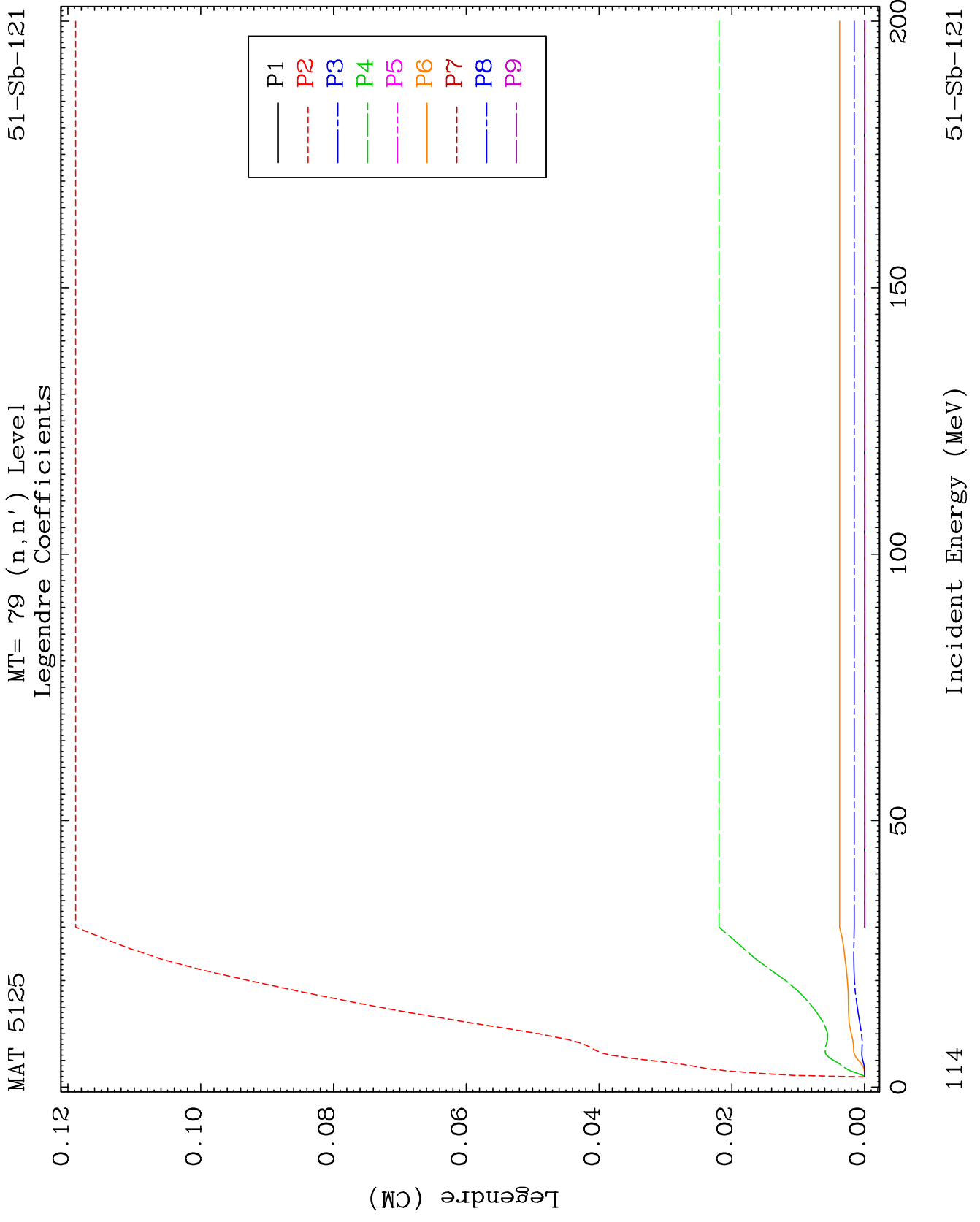
MT= 78 (n,n') Level  
Legendre Coefficients

51-Sb-121



113

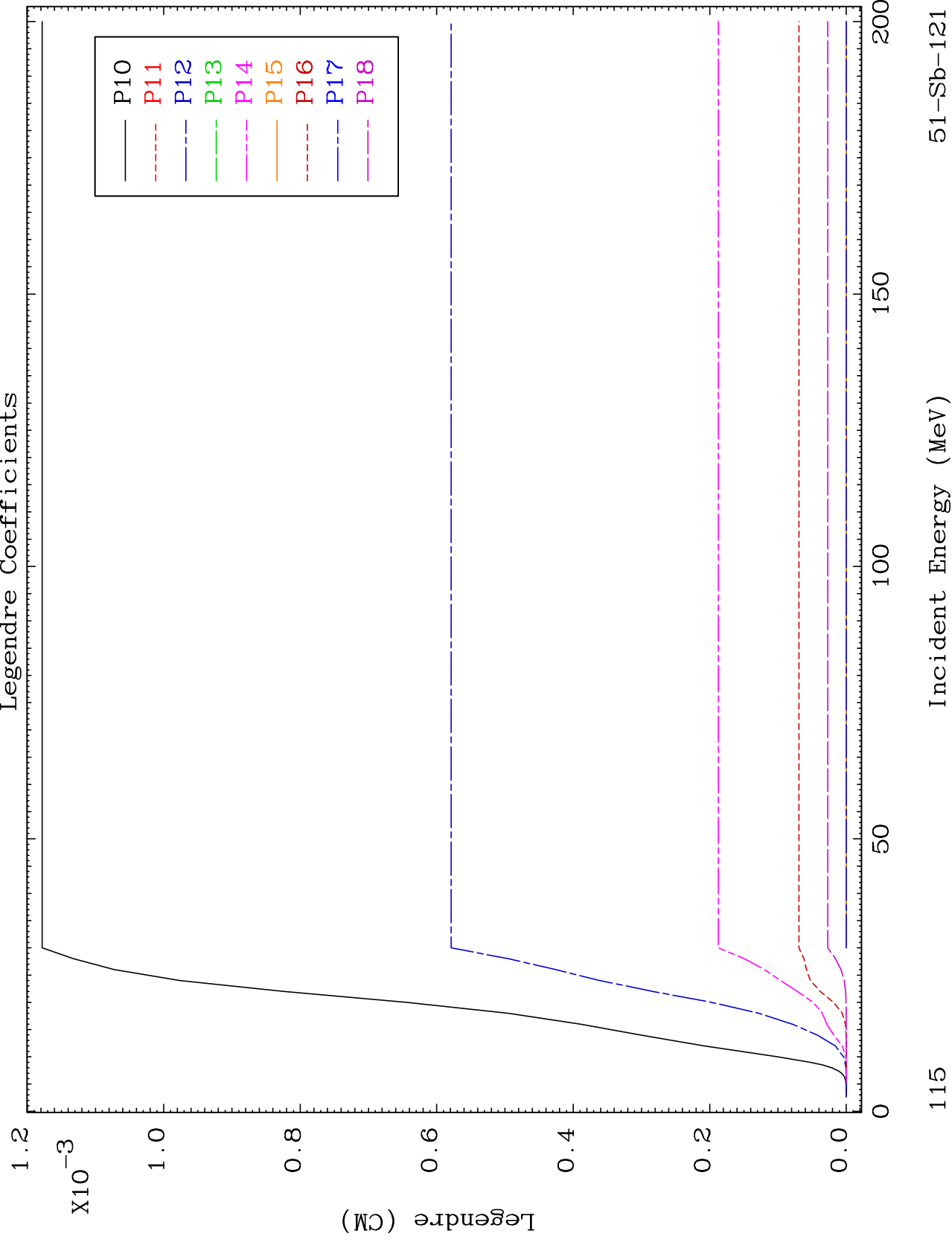
51-Sb-121



MAT 5125

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

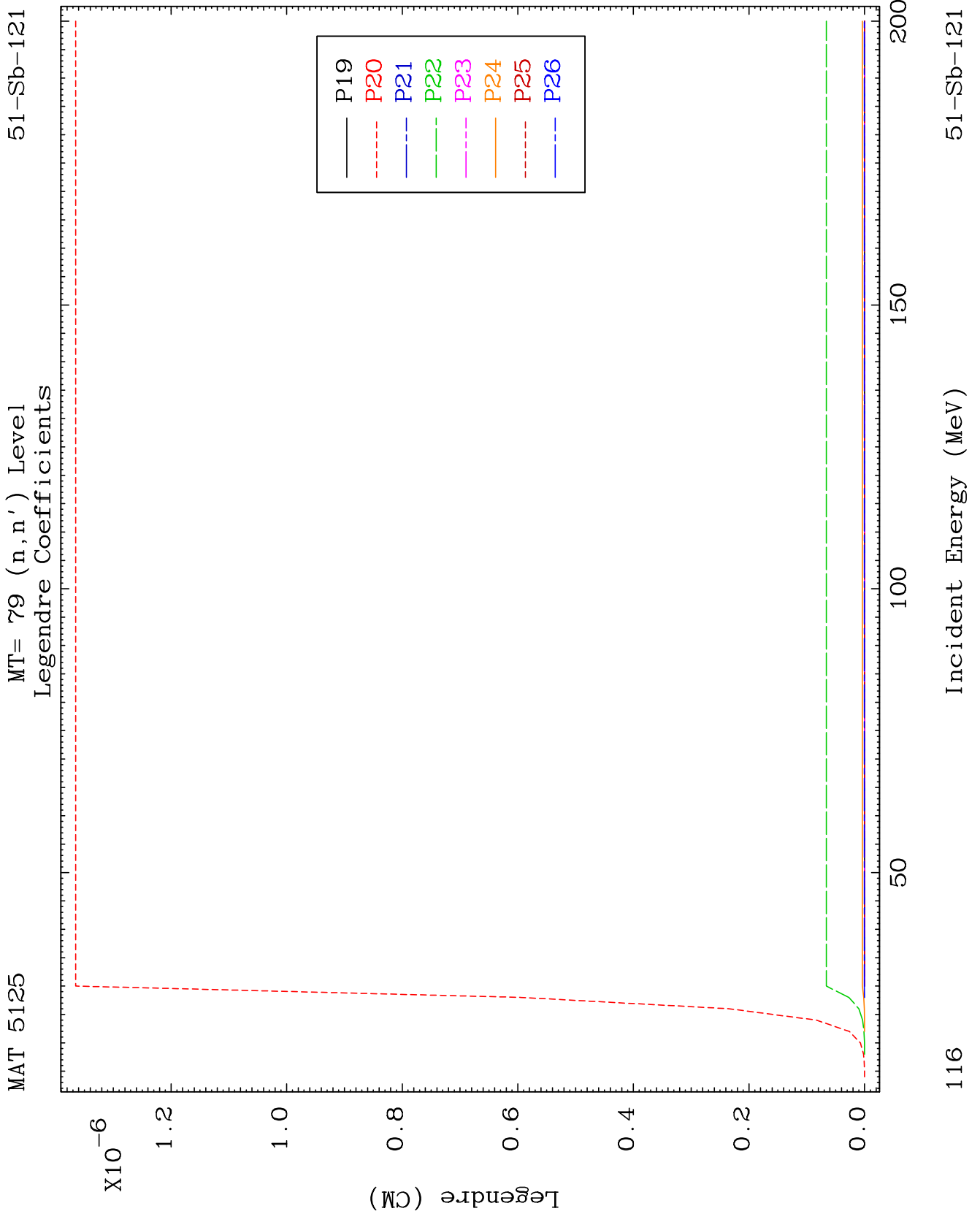
51-Sb-121



51-Sb-121

Incident Energy (MeV)

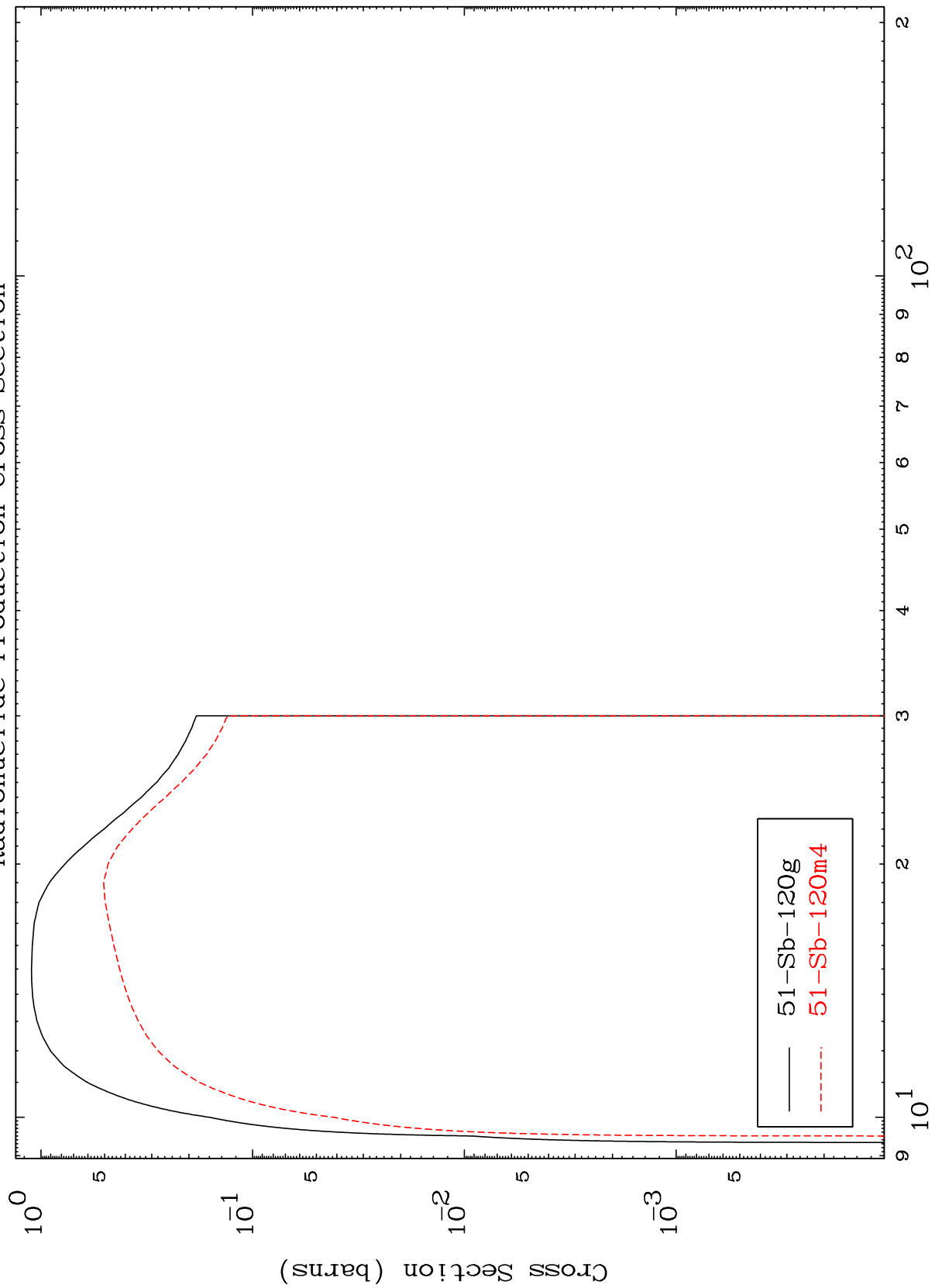
115



MAT 5125

51-Sb-121

(n,2n)  
Radionuclide Production Cross Section



51-Sb-121

Incident Energy (MeV)

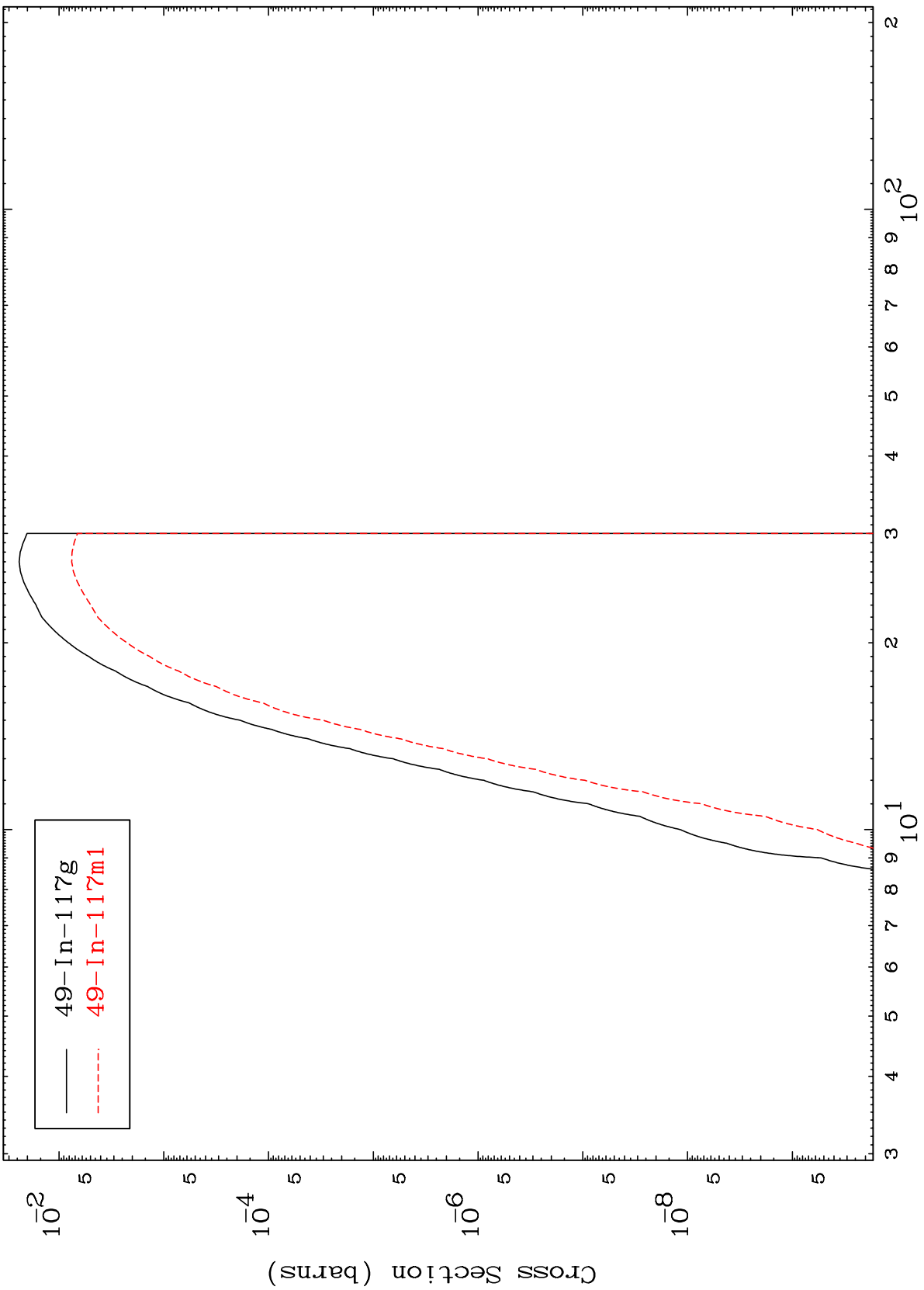
117

MAT 5125

(n,n')  $\alpha$

51-Sb-121

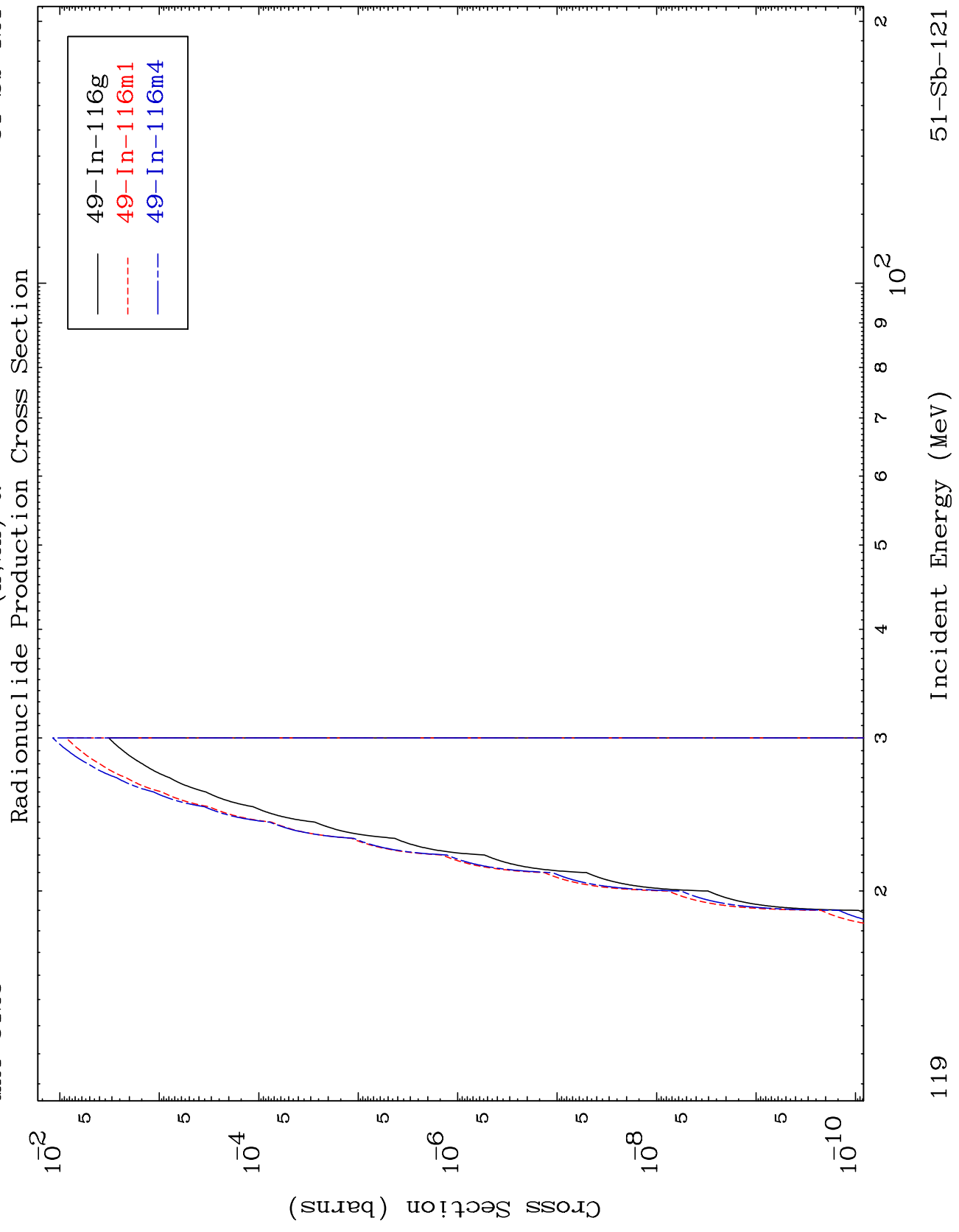
Radionuclide Production Cross Section



118

Incident Energy (MeV)

51-Sb-121



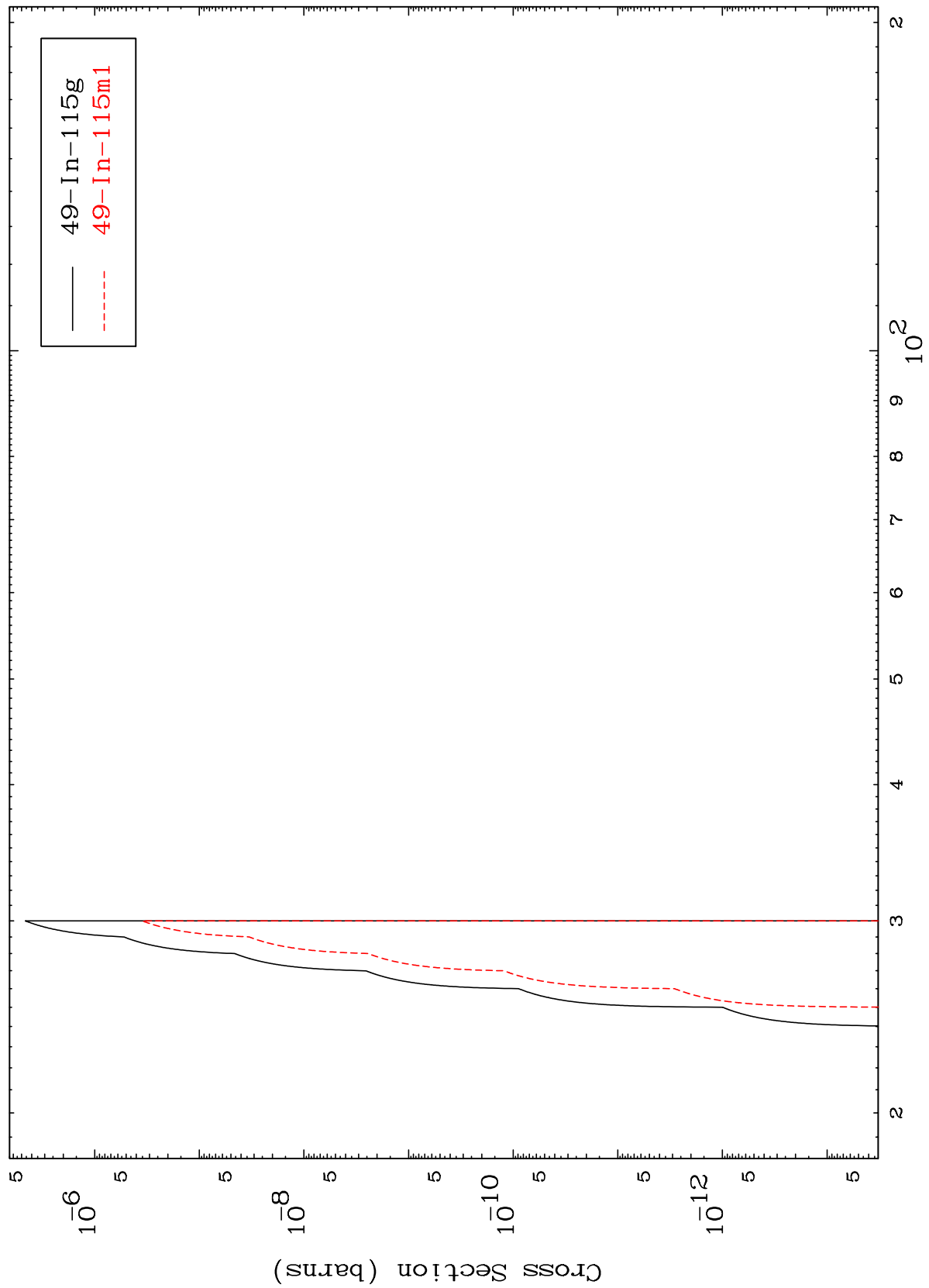


MAT 5125

(n,3n)  $\alpha$

51-Sb-121

Radionuclide Production Cross Section



120

Incident Energy (MeV)

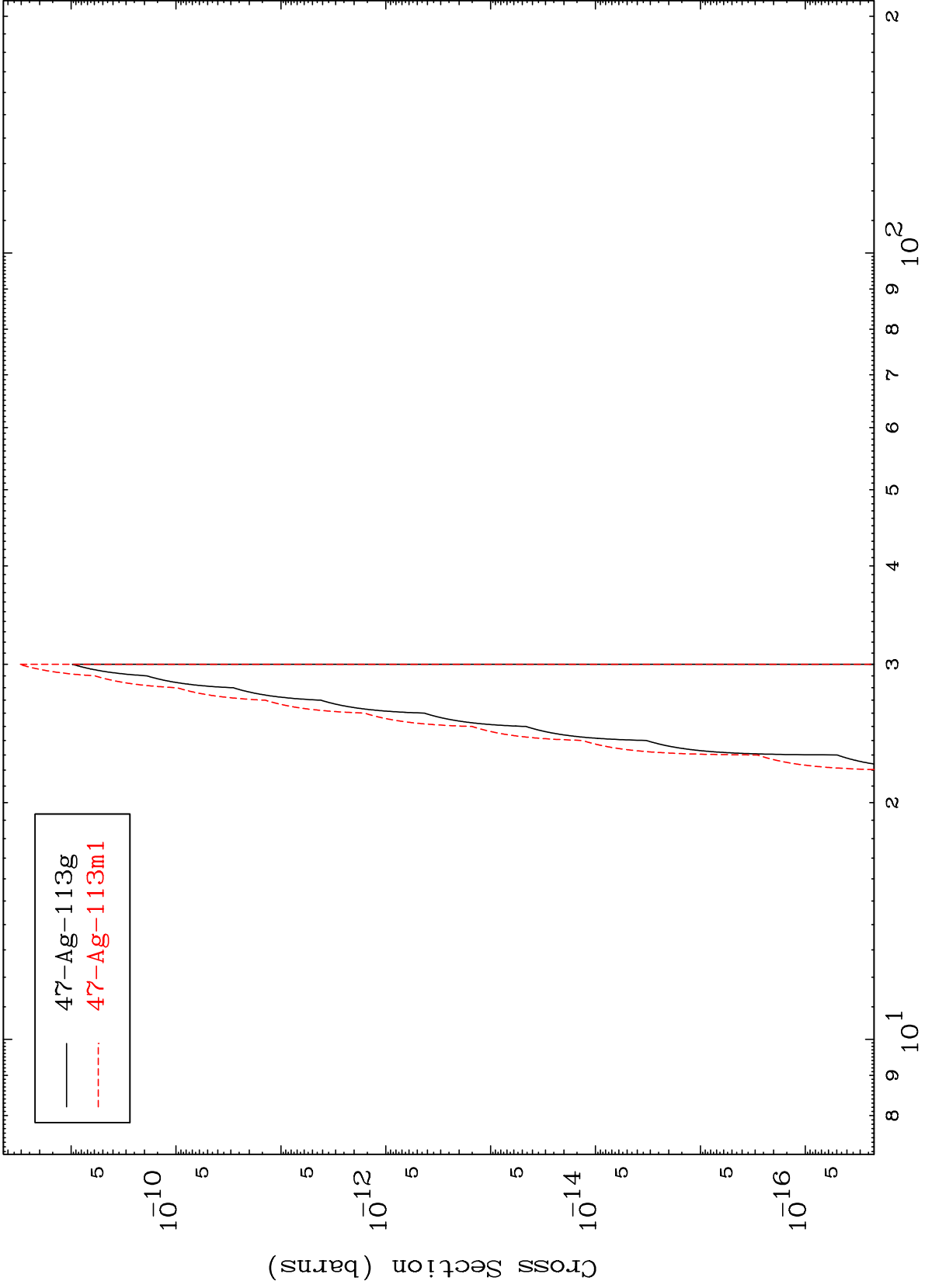
51-Sb-121

MAT 5125

(n,n') 2α

51-Sb-121

Radionuclide Production Cross Section



— 47-Ag-113g  
- - - 47-Ag-113m1

121

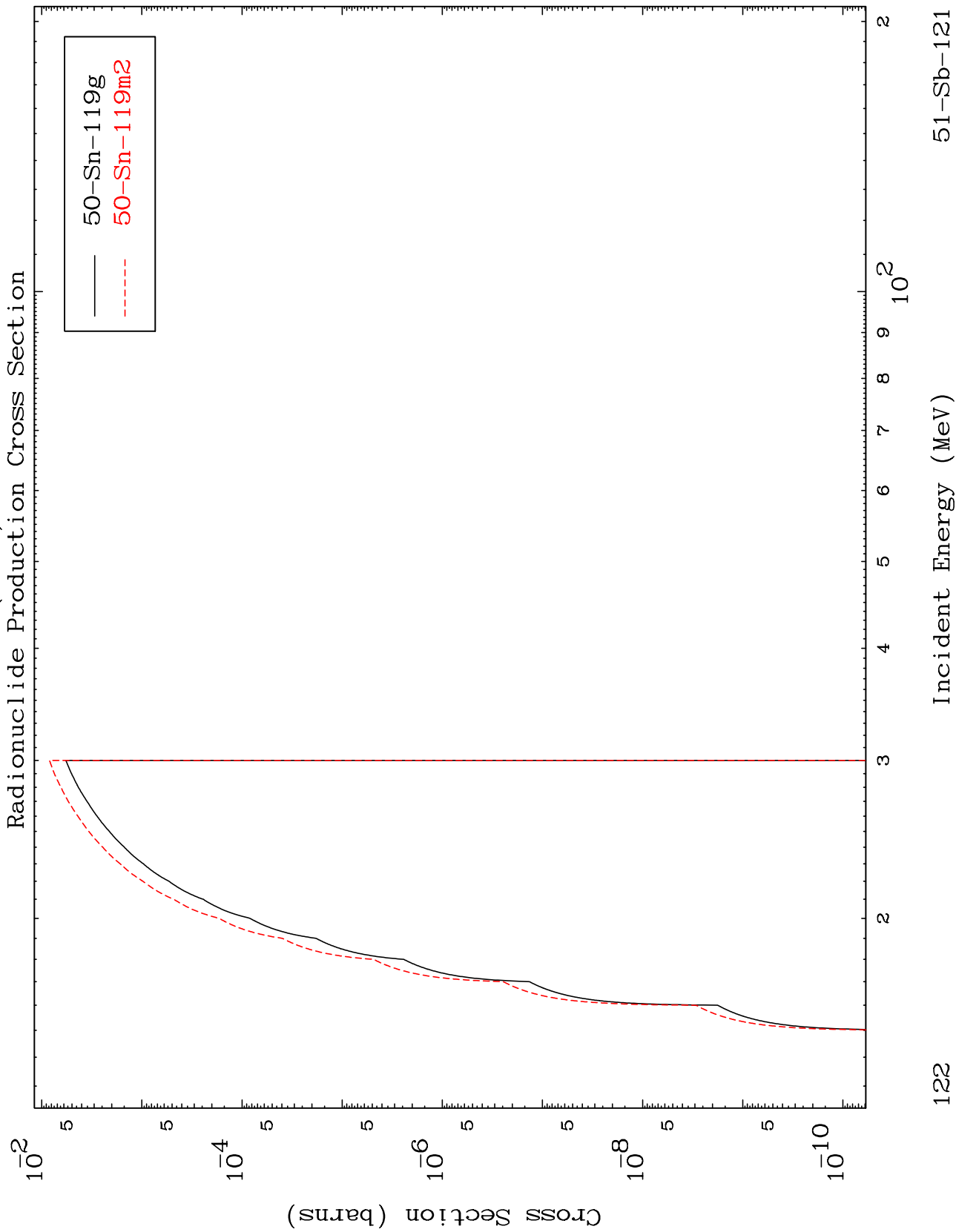
Incident Energy (MeV)

51-Sb-121

MAT 5125

(n,n') d

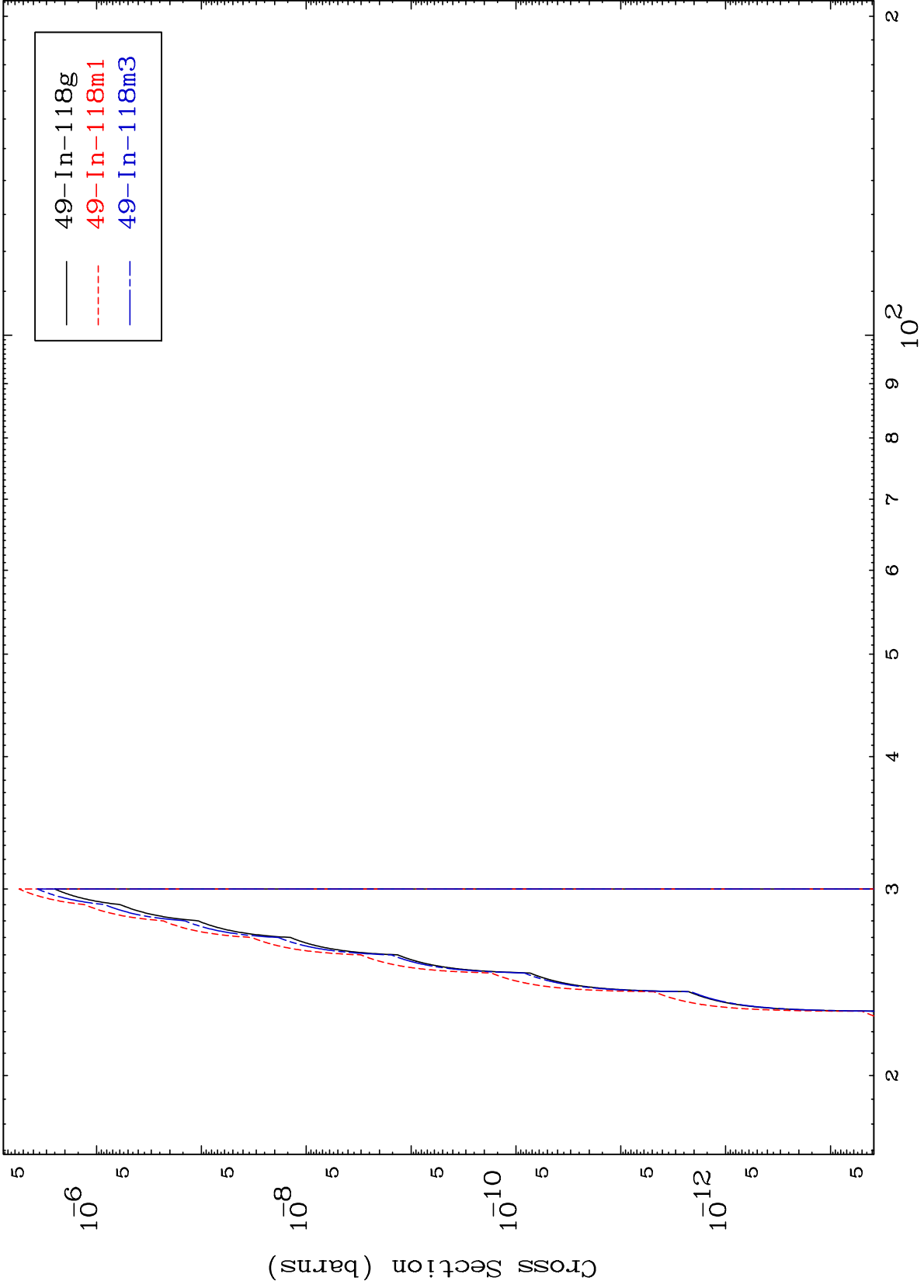
51-Sb-121



122

51-Sb-121

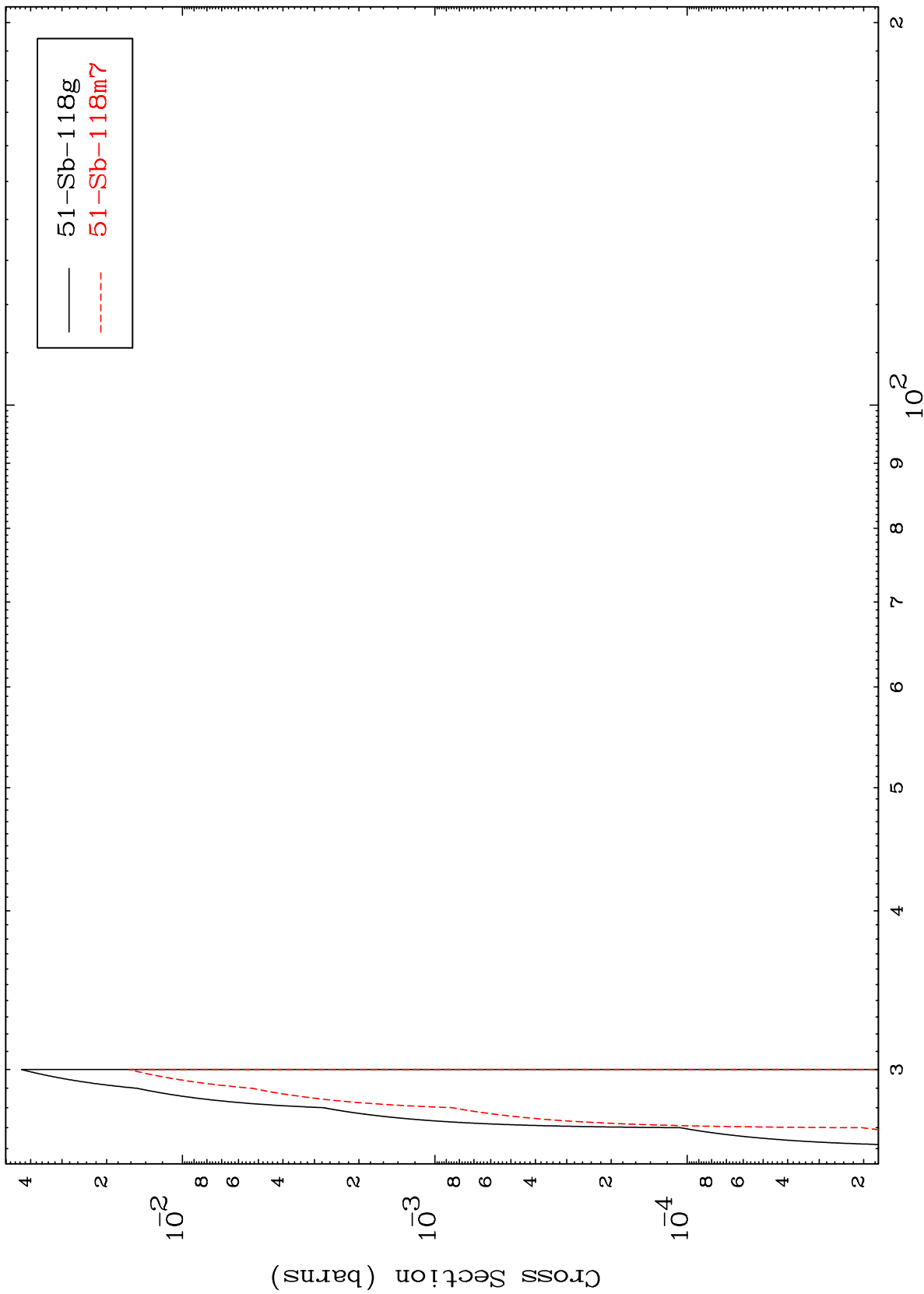
Radionuclide Production Cross Section



MAT 5125

51-Sb-121

(n,4n)  
Radionuclide Production Cross Section



124

51-Sb-121

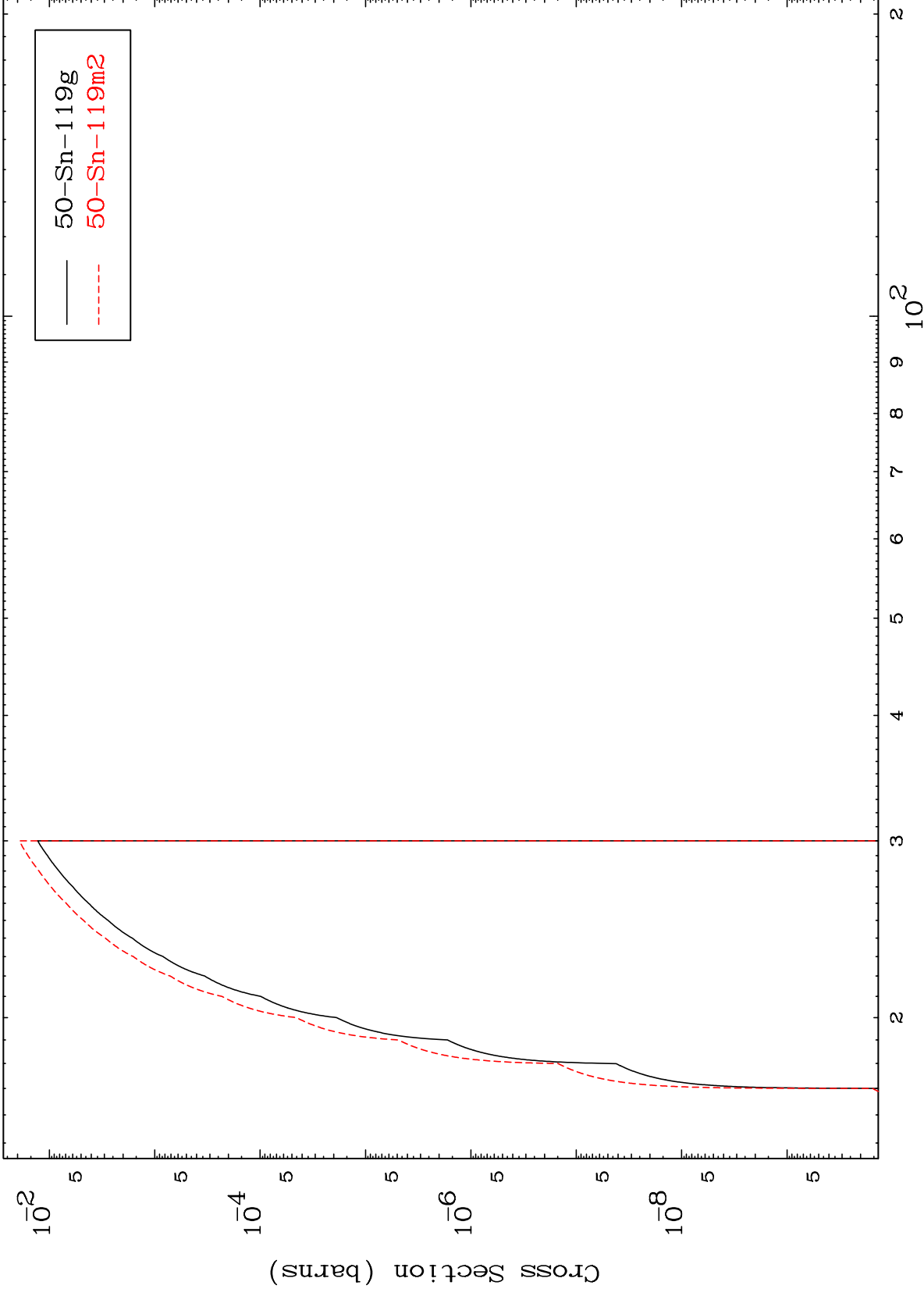
Incident Energy (MeV)

MAT 5125

(n,2n) p

51-Sb-121

Radionuclide Production Cross Section

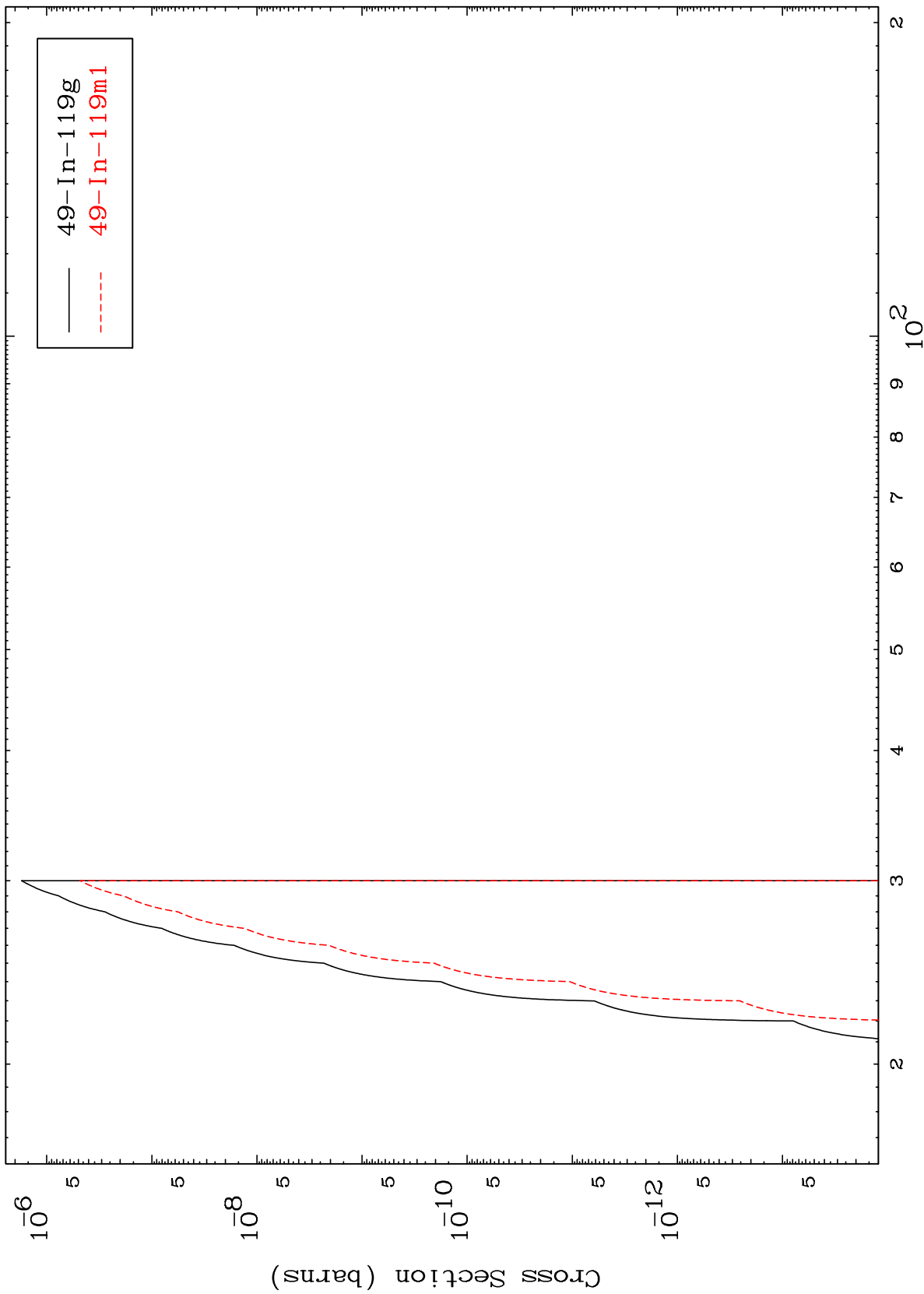


125

Incident Energy (MeV)

51-Sb-121

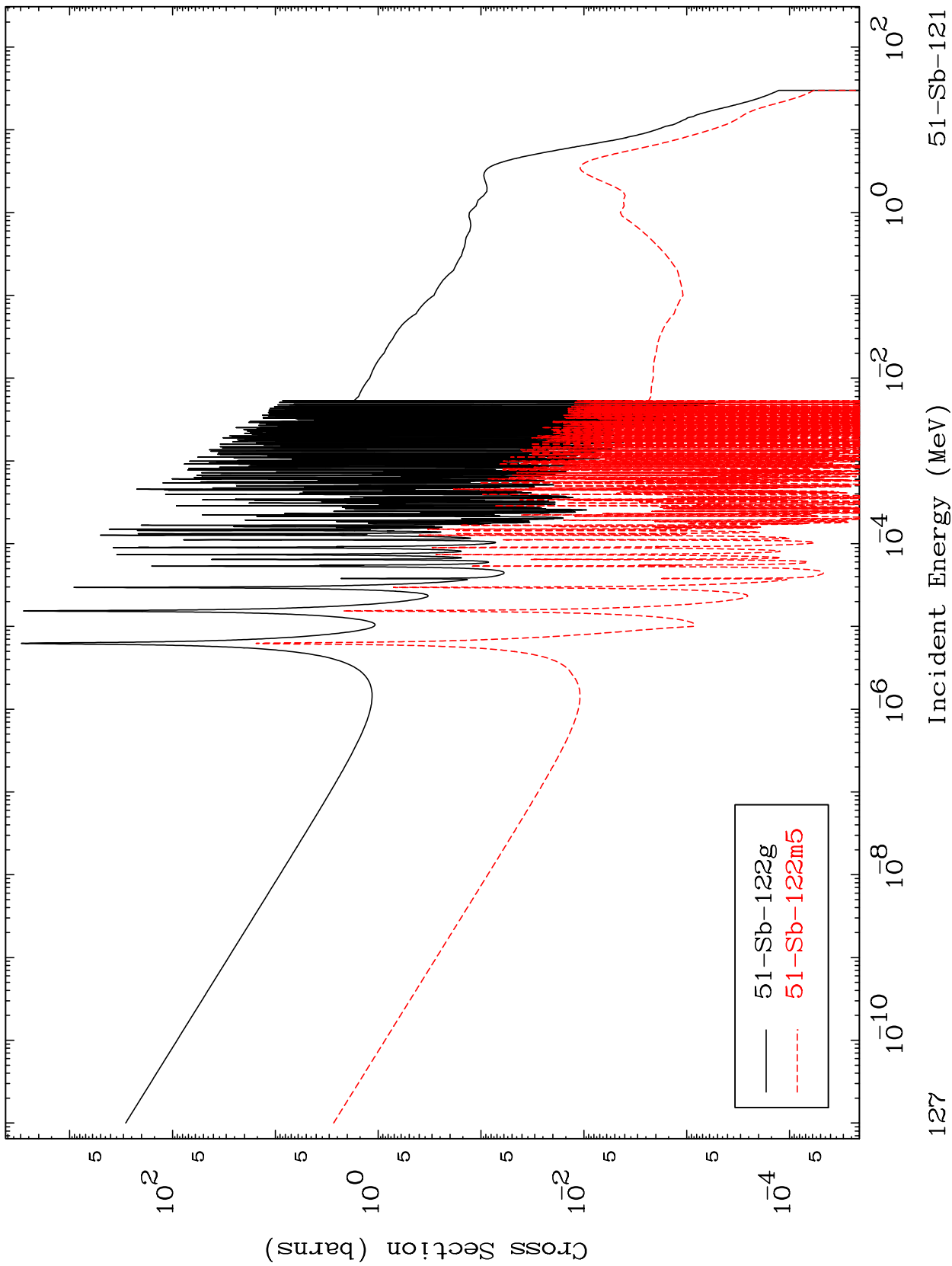
Radionuclide Production Cross Section



MAT 5125

51-Sb-121

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



127

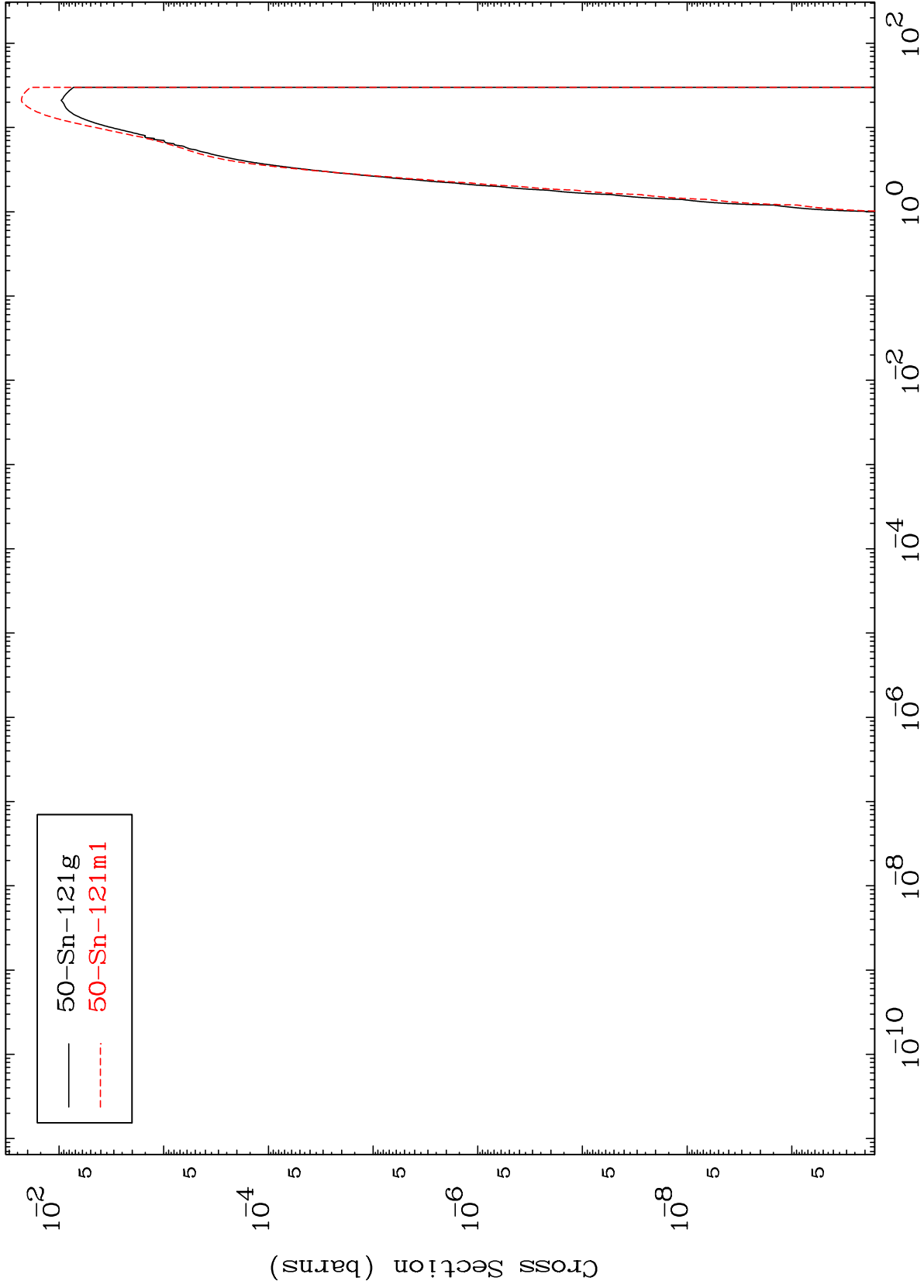
51-Sb-121



MAT 5125

51-Sb-121

(n,p)  
Radionuclide Production Cross Section



128

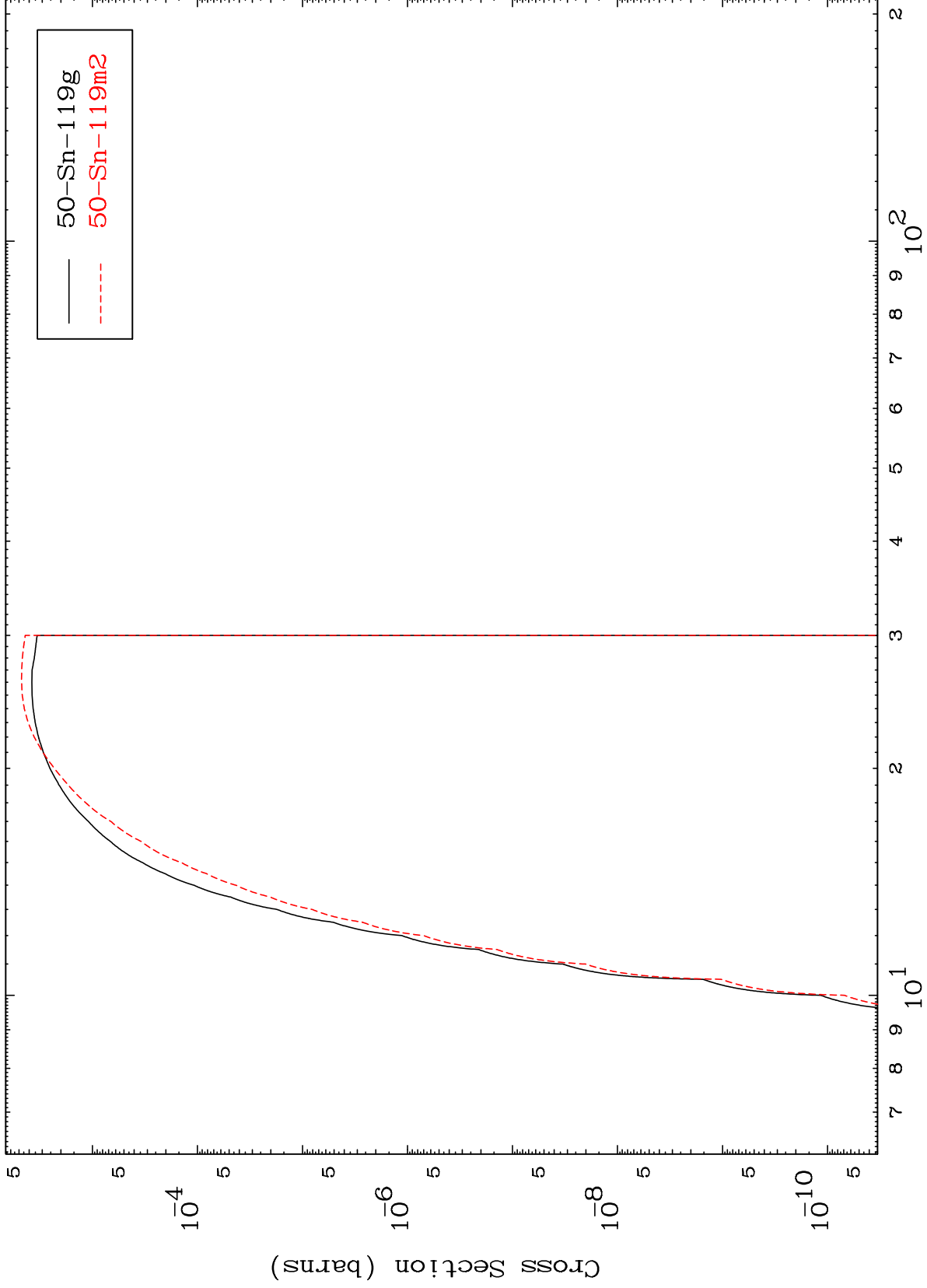
51-Sb-121

Incident Energy (MeV)

MAT 5125

51-Sb-121

(n,t)  
Radionuclide Production Cross Section



129

Incident Energy (MeV)

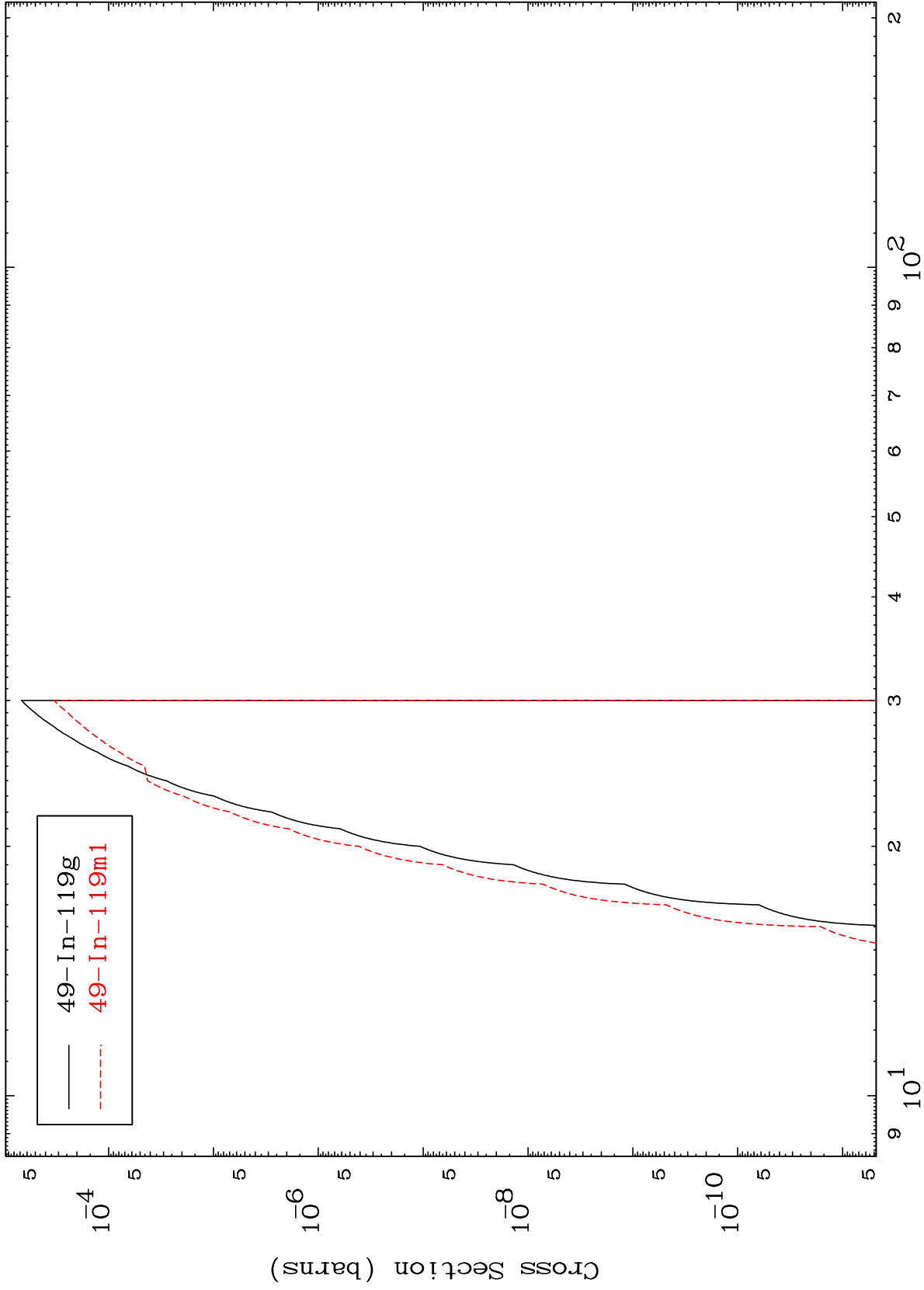
51-Sb-121

MAT 5125

(n,He-3)

51-Sb-121

Radionuclide Production Cross Section



130

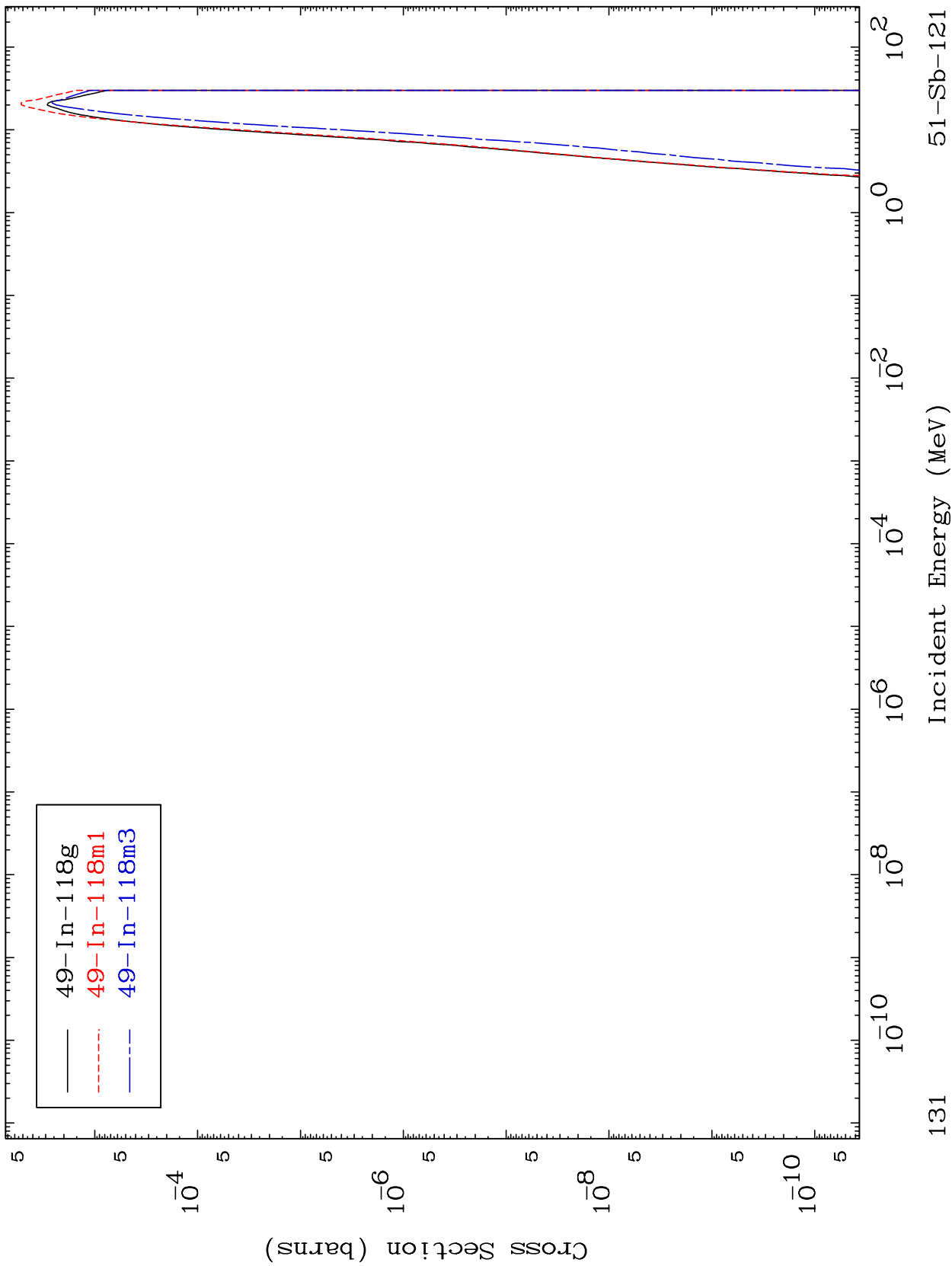
Incident Energy (MeV)

51-Sb-121

MAT 5125

51-Sb-121

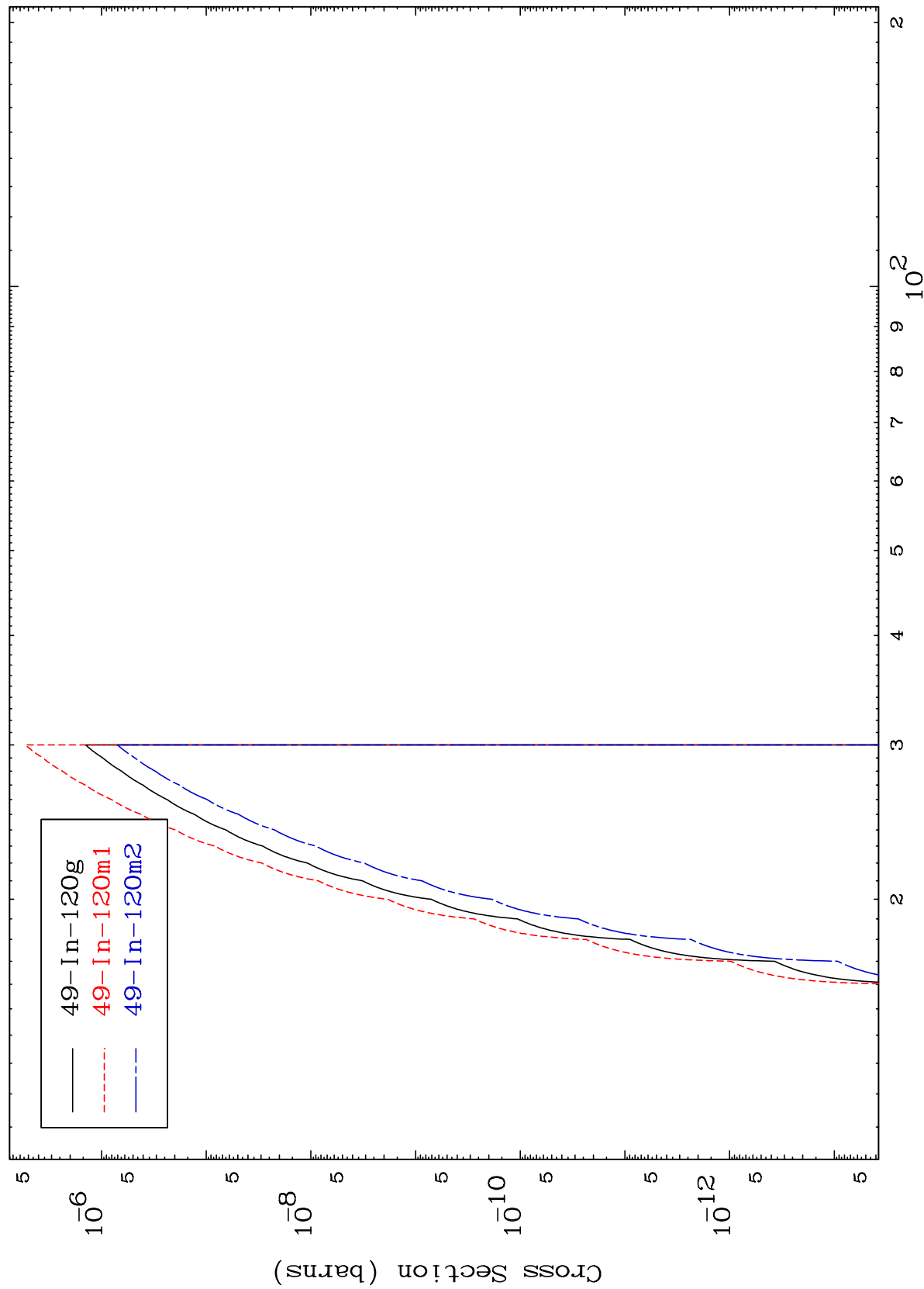
(n,  $\alpha$ )  
Radionuclide Production Cross Section



131

51-Sb-121

(n,2p)  
Radionuclide Production Cross Section

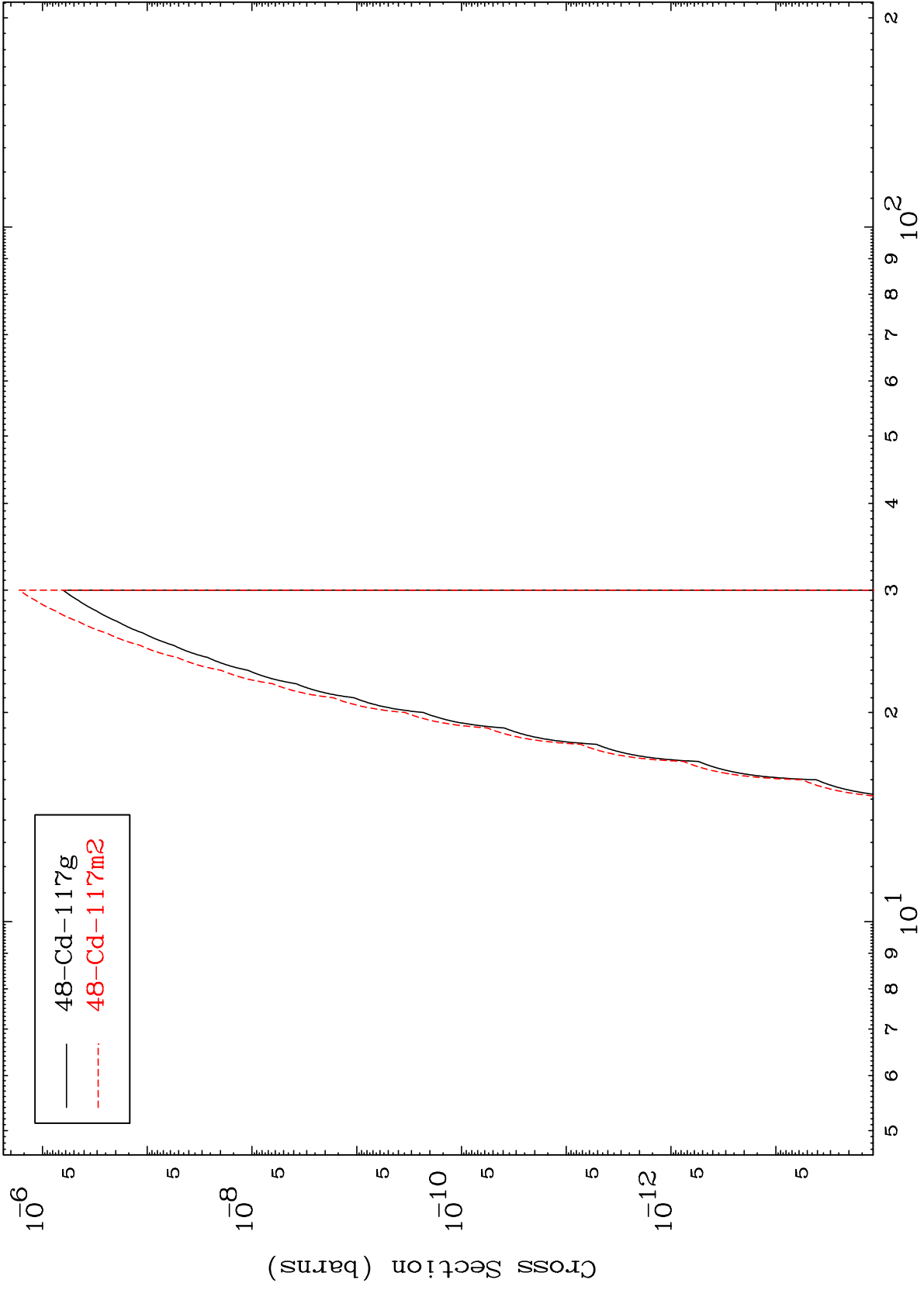


MAT 5125

(n,p)  $\alpha$

51-Sb-121

Radionuclide Production Cross Section



133

Incident Energy (MeV)

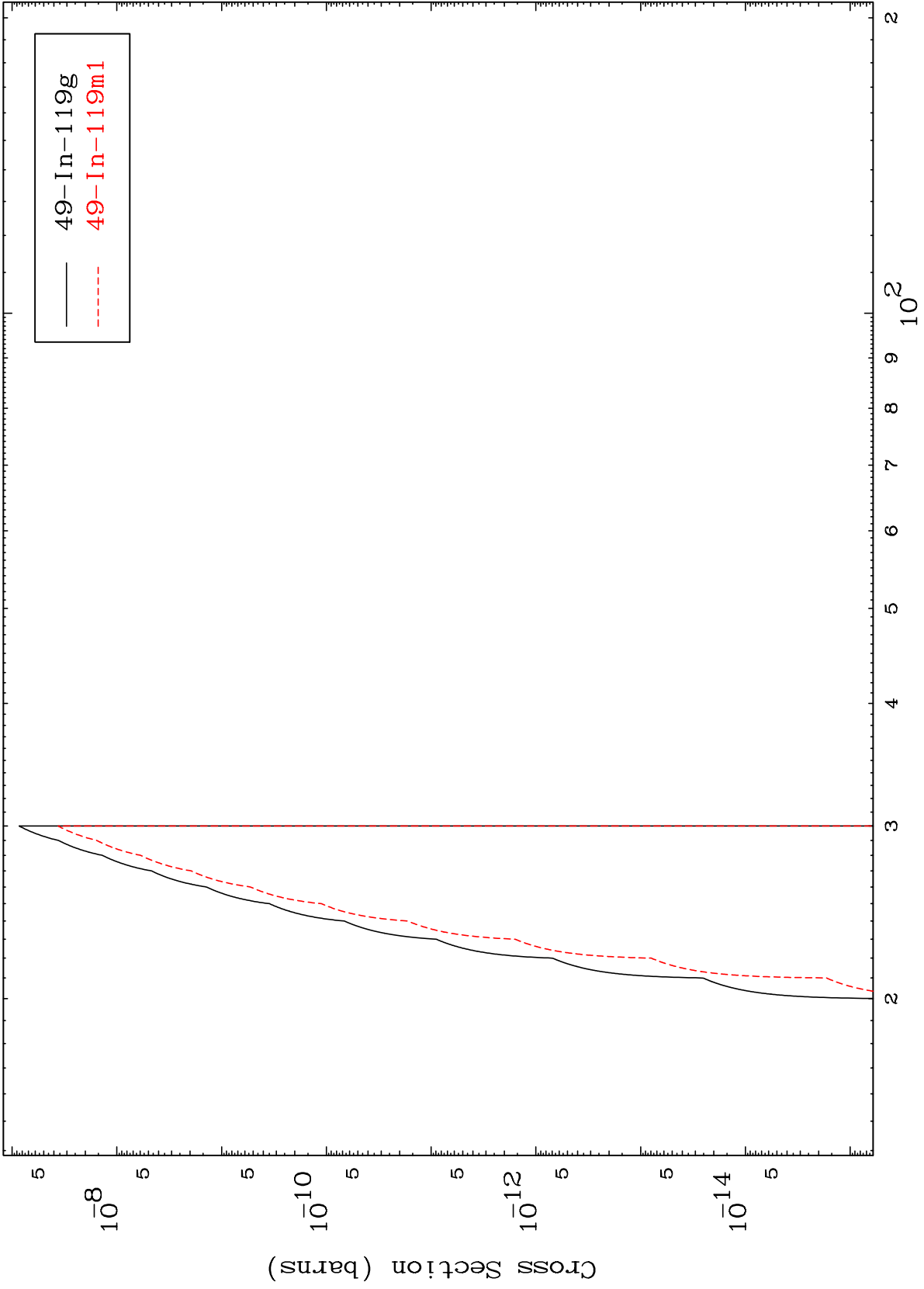
51-Sb-121

MAT 5125

(n,p) d

51-Sb-121

Radionuclide Production Cross Section



134

Incident Energy (MeV)

51-Sb-121

