

Program EVALPLOT  
(Version 2015-2)

by

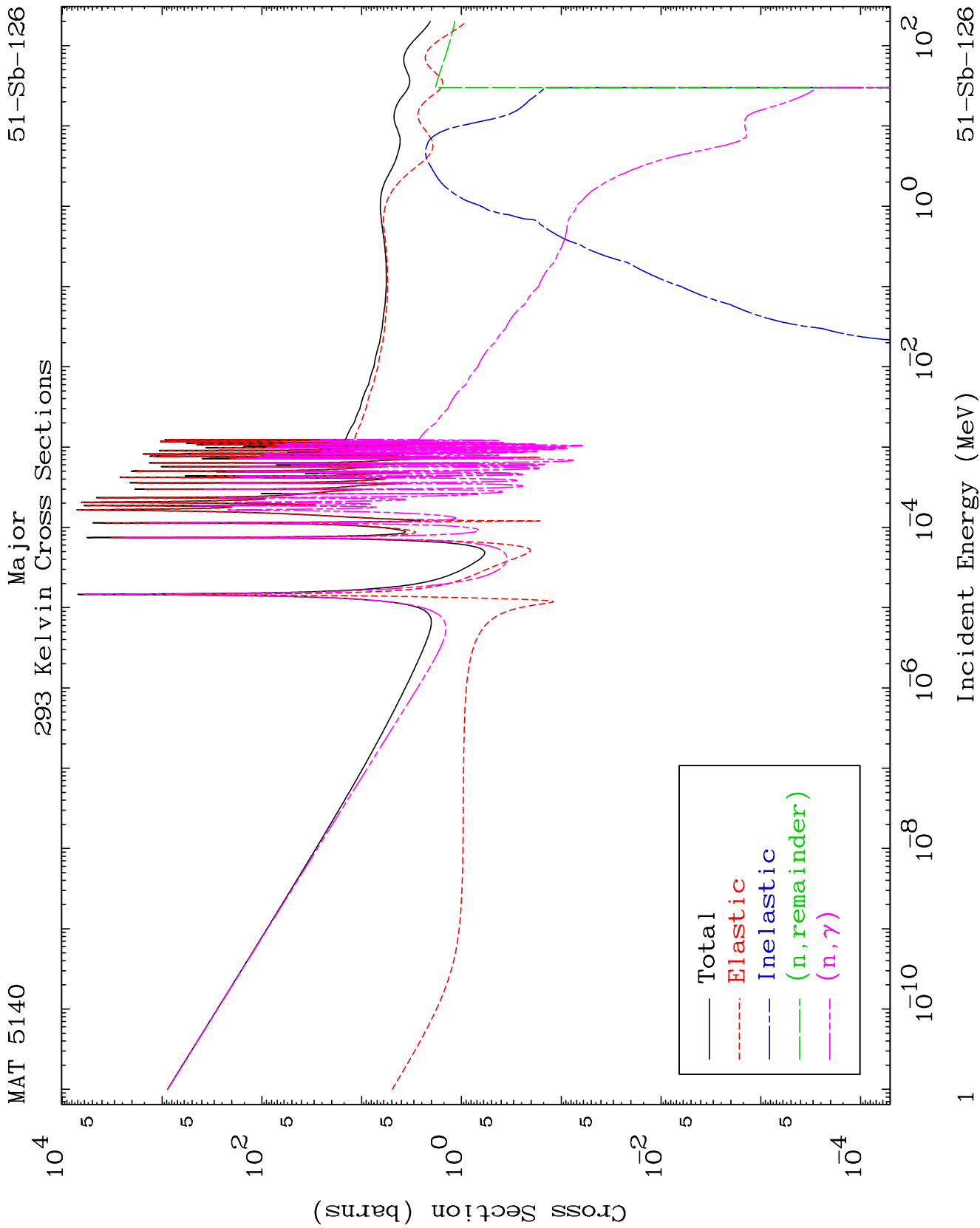
Dermott E. Cullen  
(Present Contact Information)

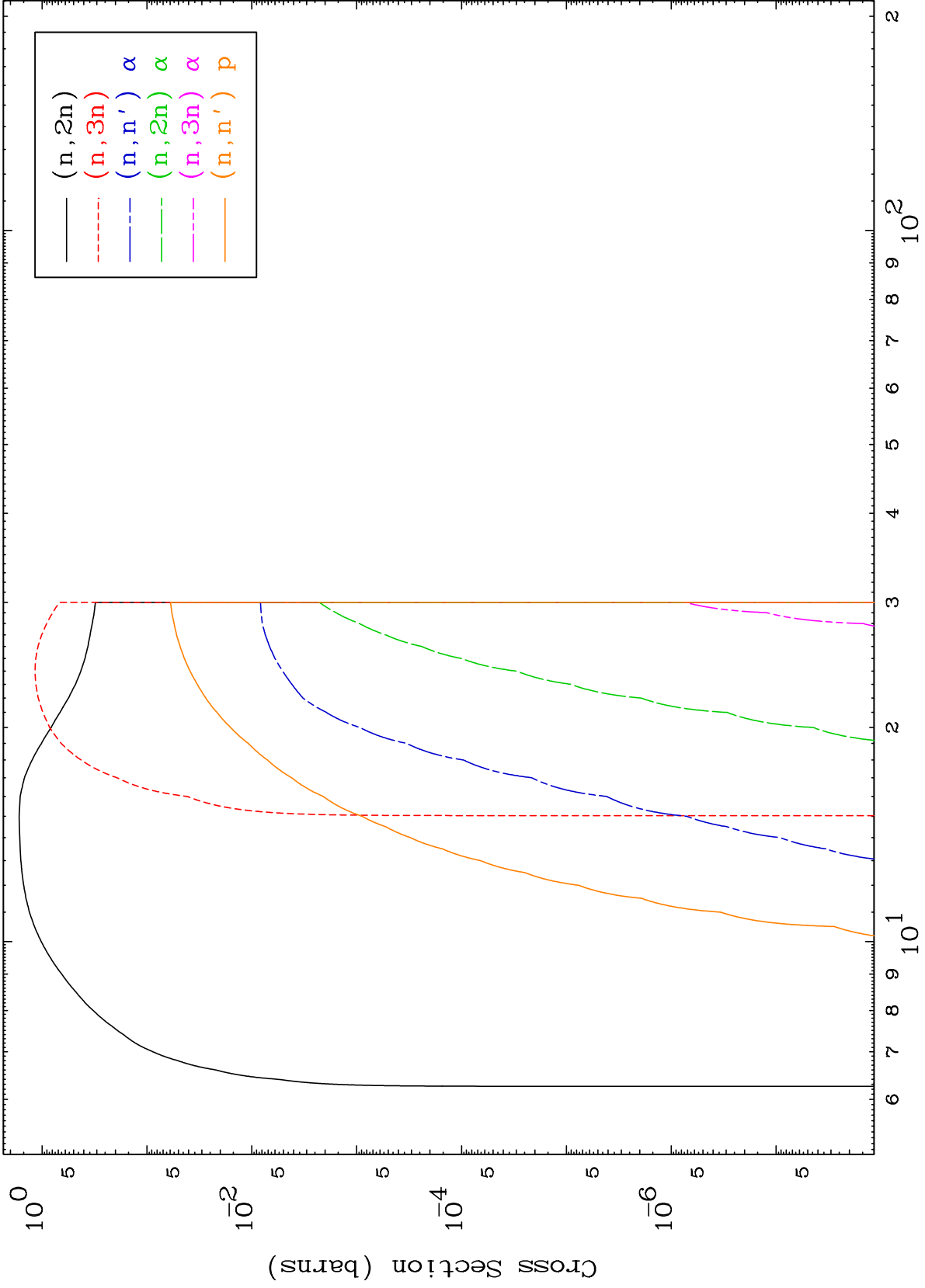
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

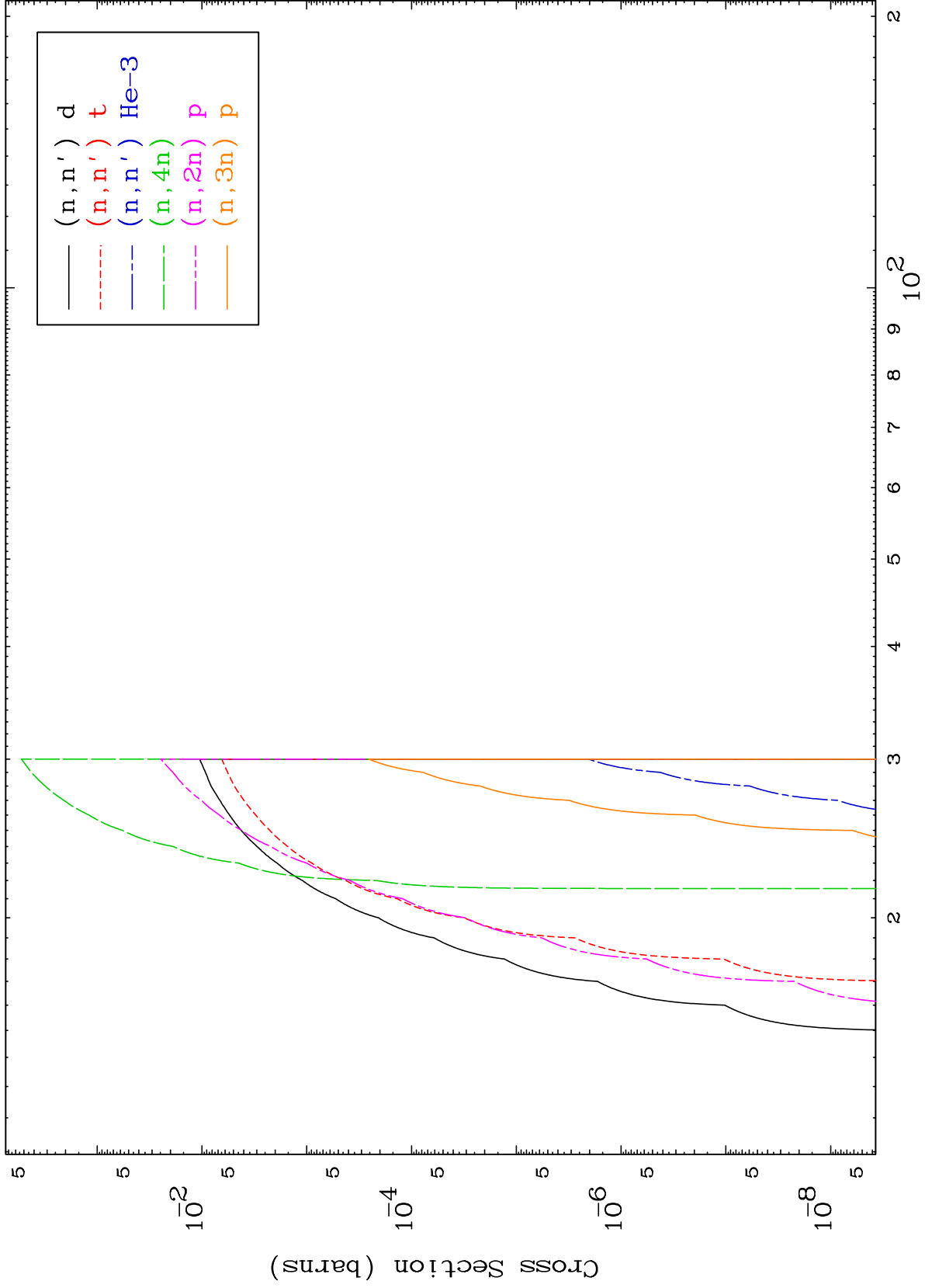
Tele: 925-443-1911

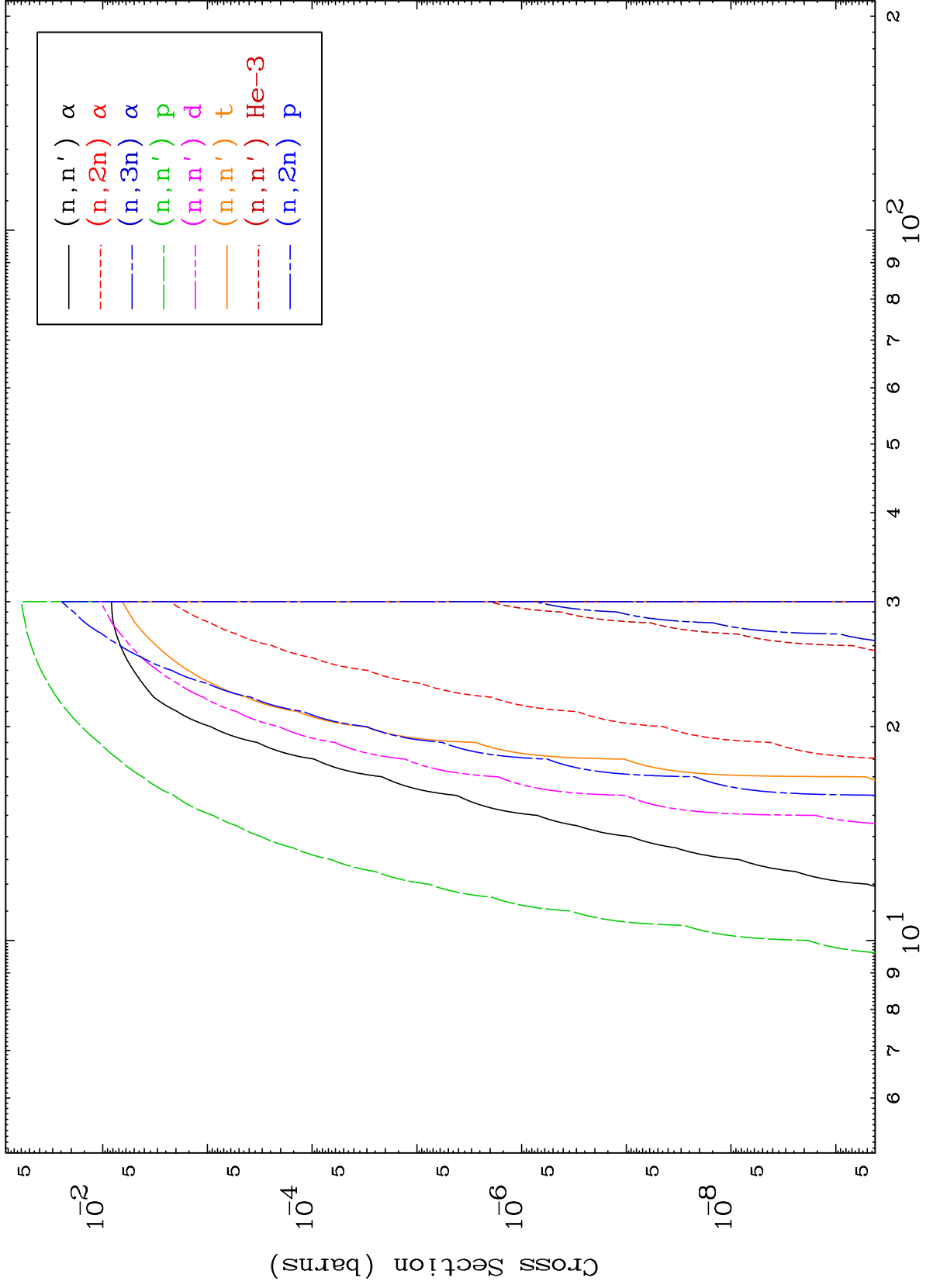
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

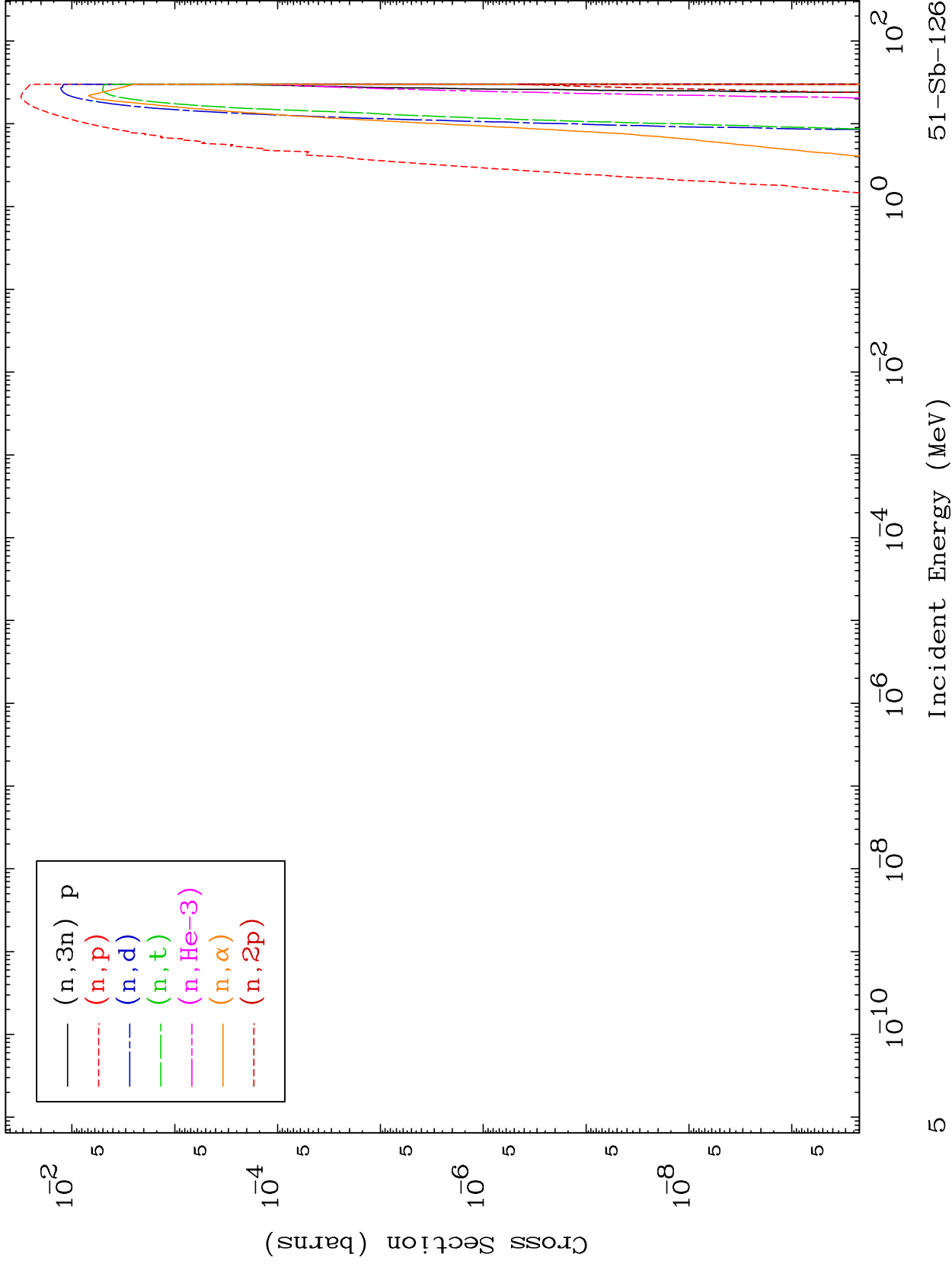
Press Mouse Button to Start







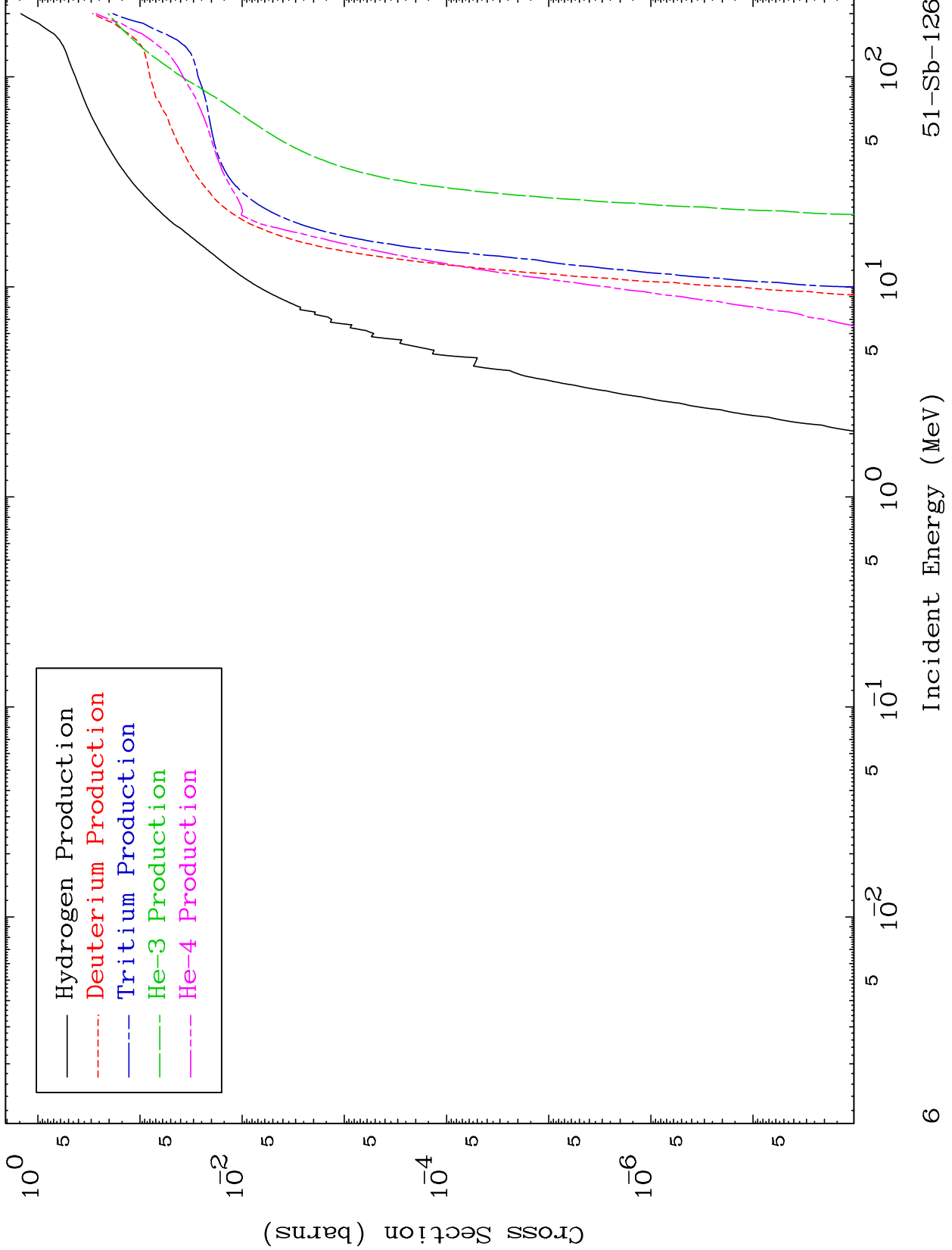




MAT 5140

Particle Production  
293 Kelvin Cross Sections

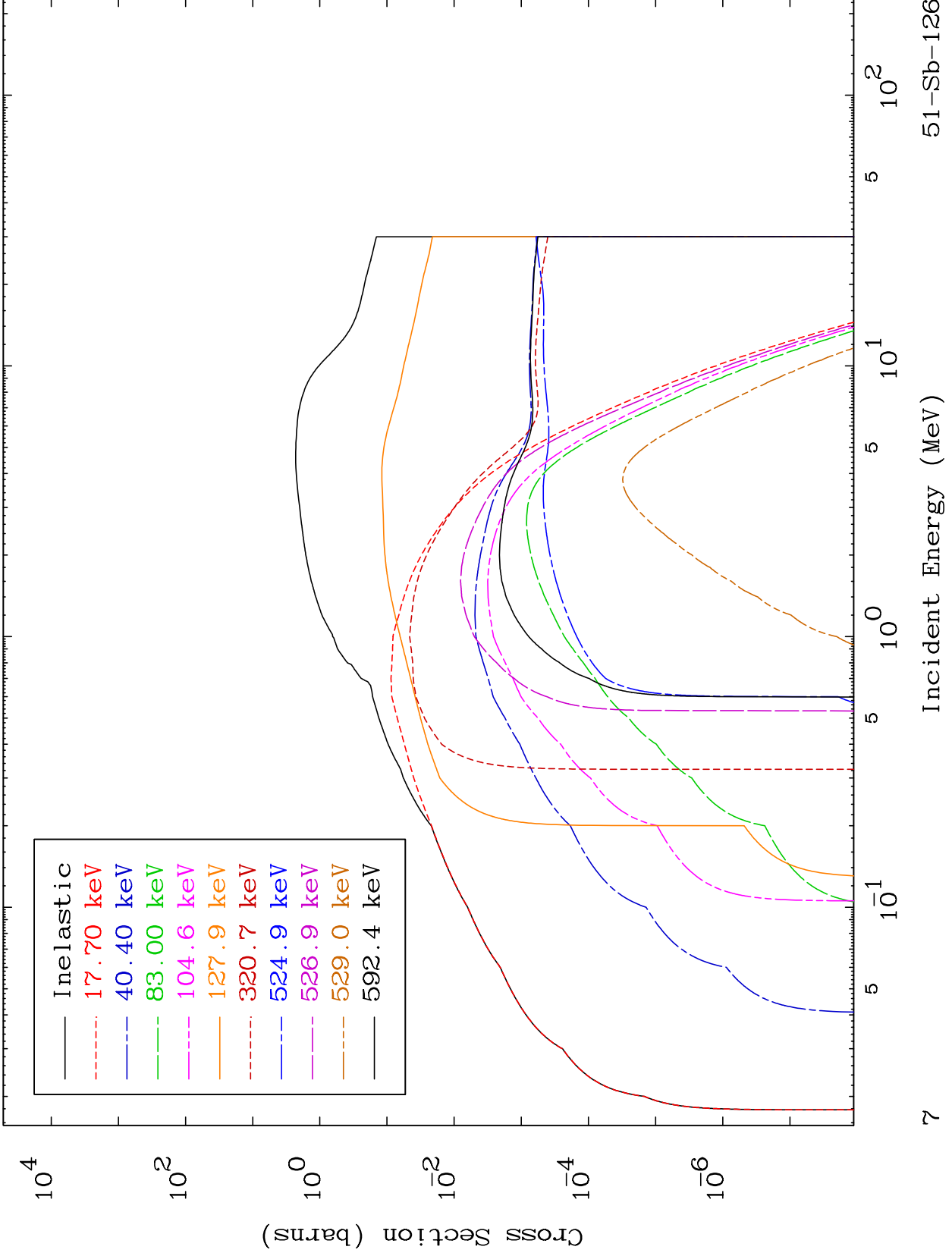
51-Sb-126



MAT 5140

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-126



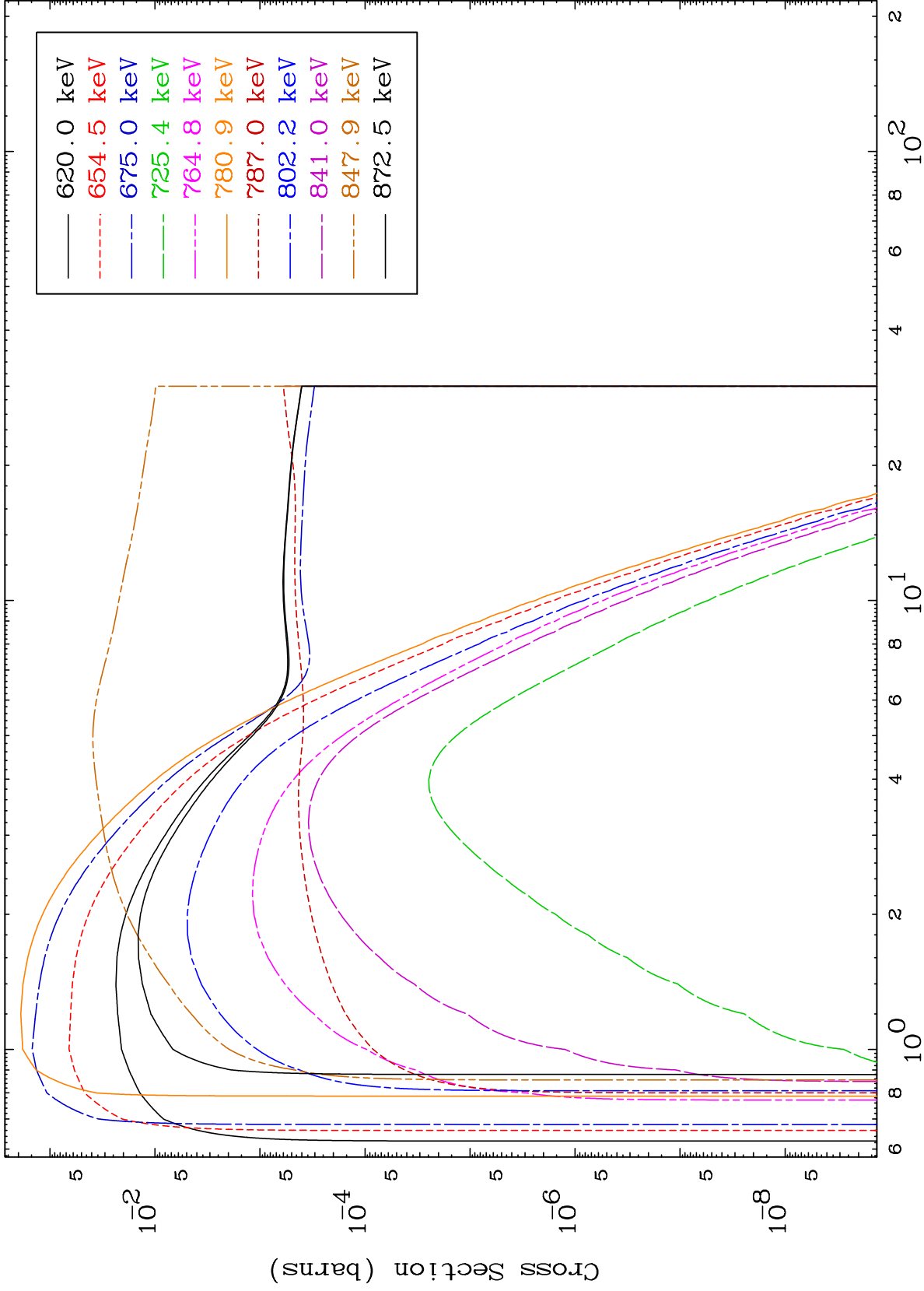


MAT 5140

(n,n') Level

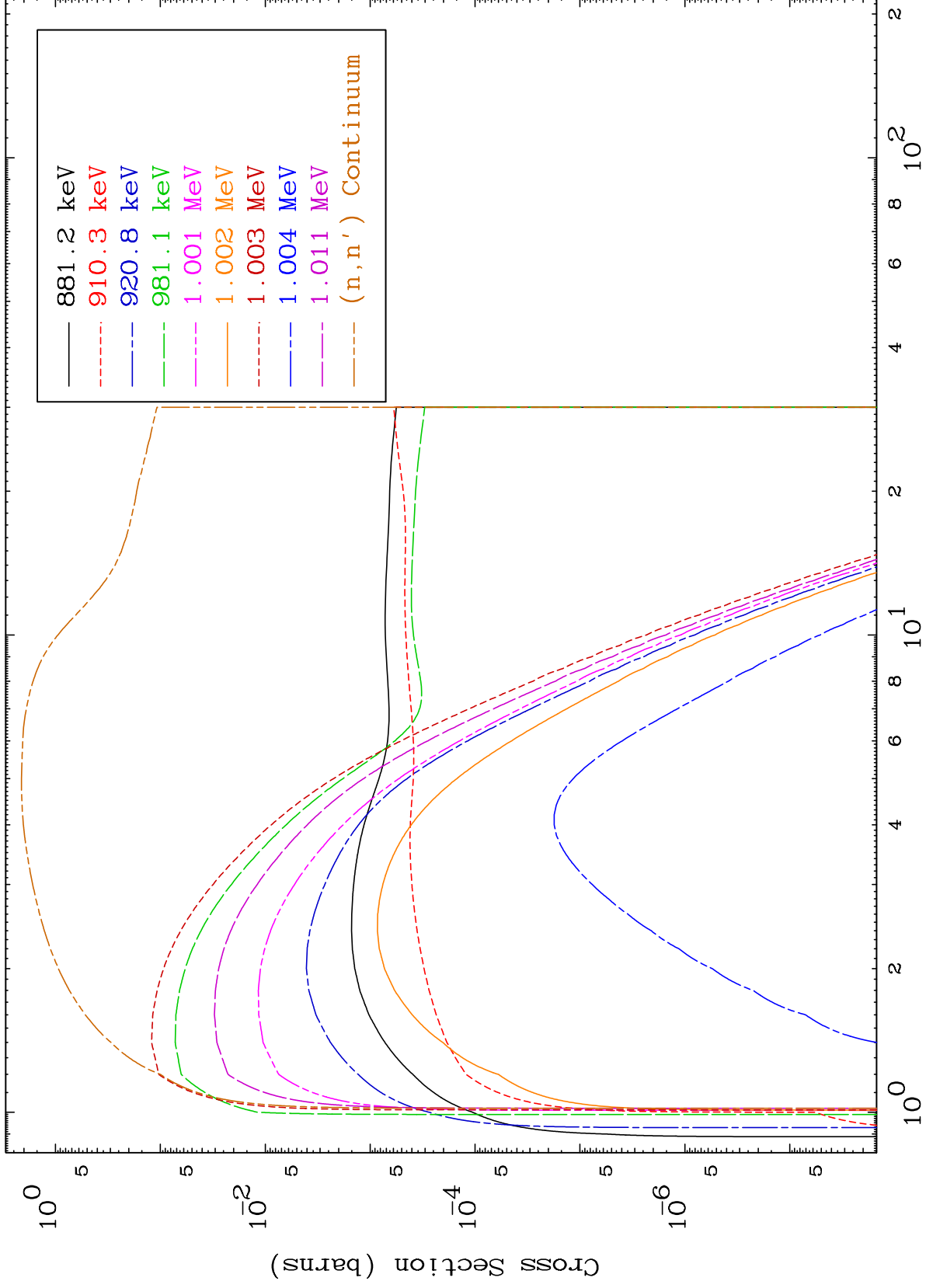
51-Sb-126

293 Kelvin Cross Sections



Incident Energy (MeV)

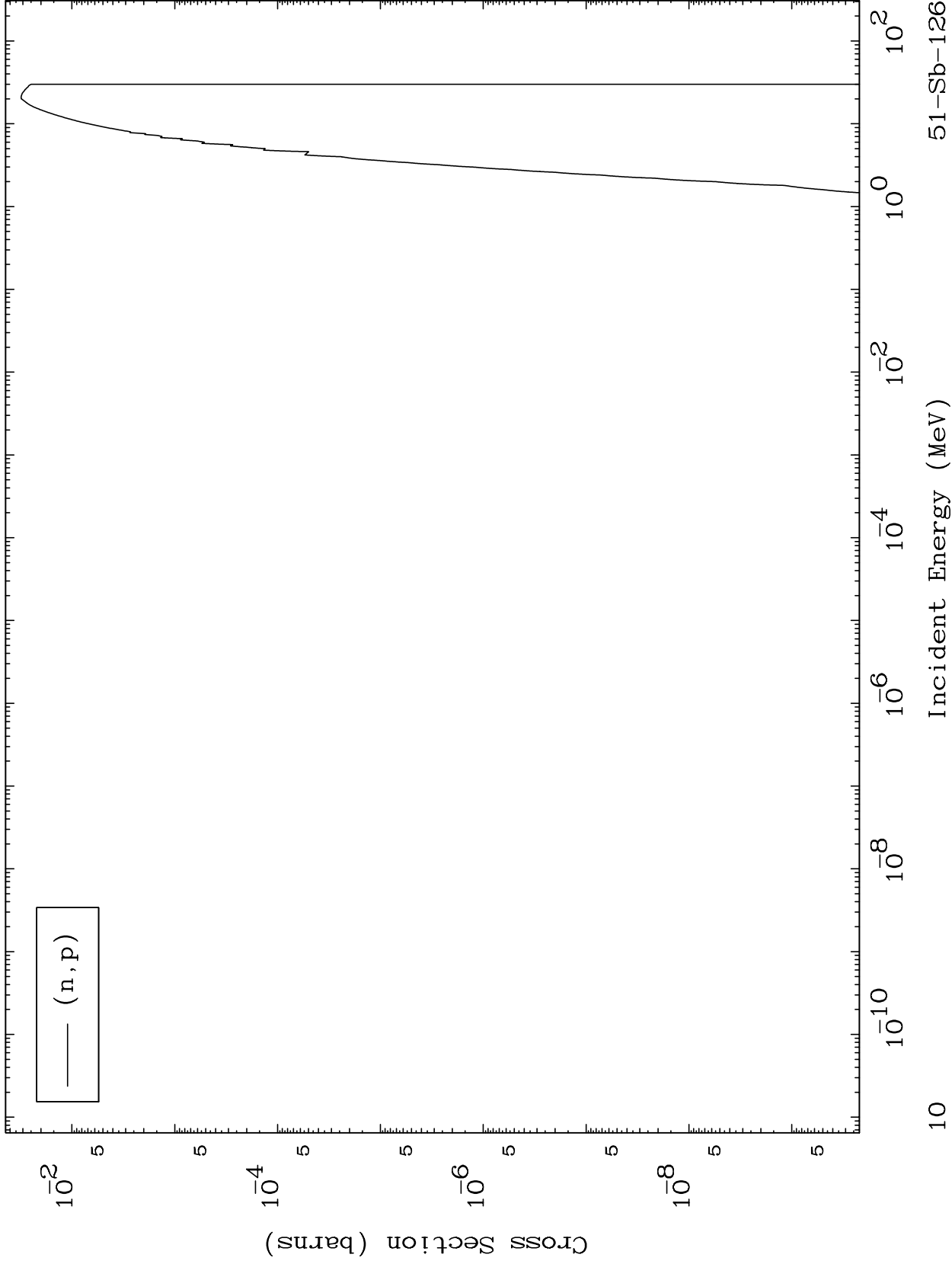
51-Sb-126



MAT 5140

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-126



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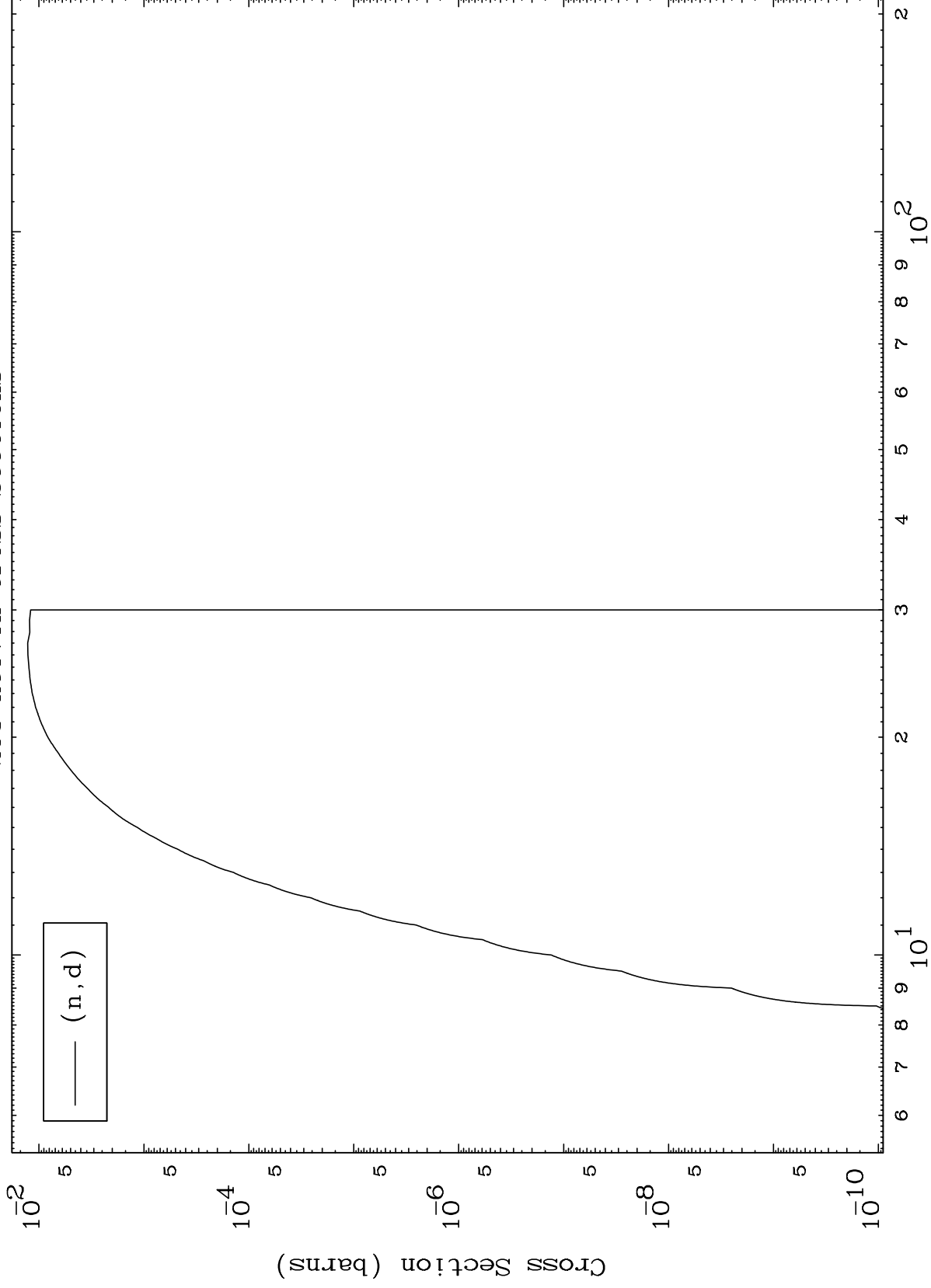
Incident Energy (MeV)

51-Sb-126

MAT 5140

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-126



11

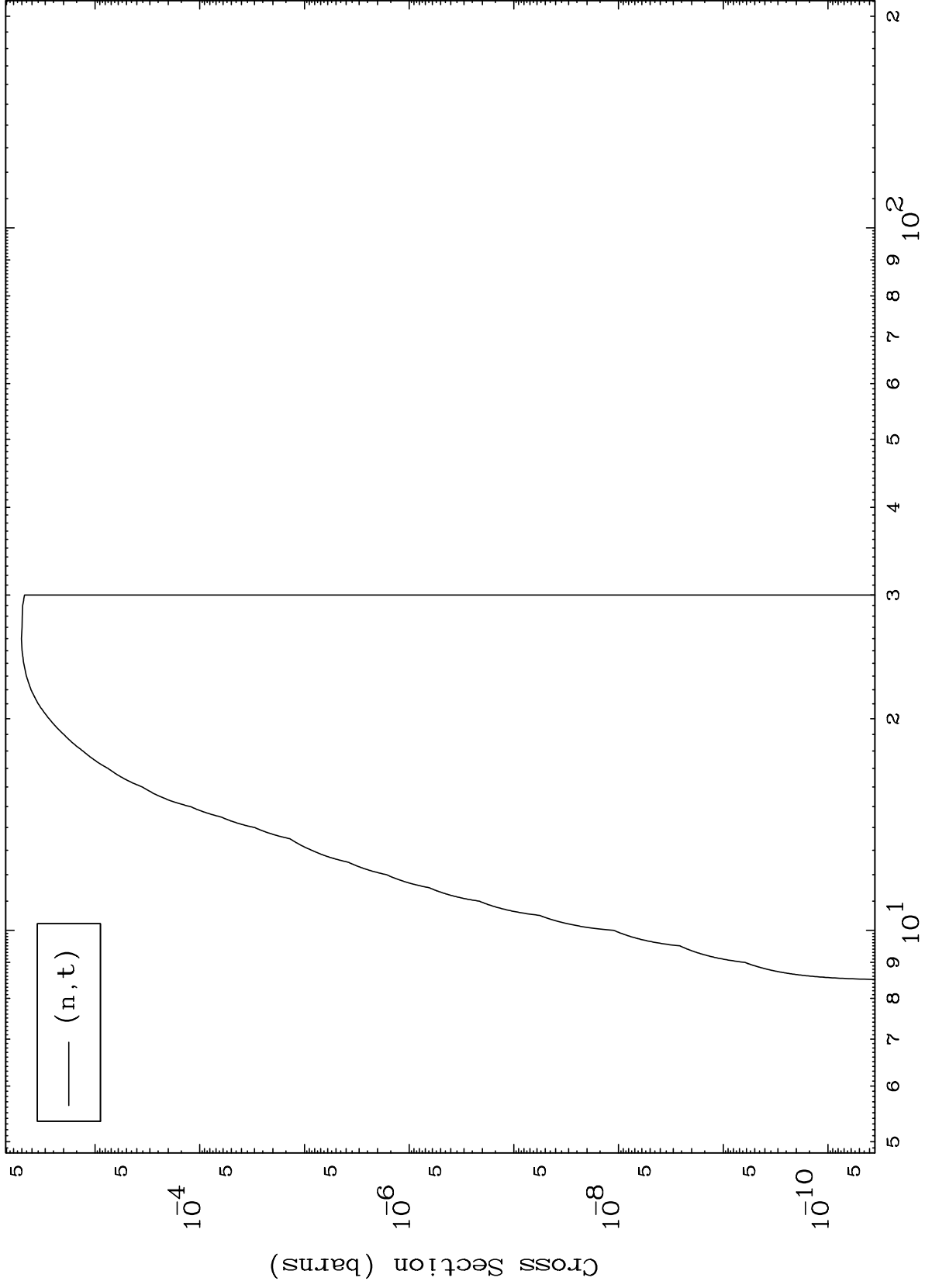
Incident Energy (MeV)

51-Sb-126

MAT 5140

(n,t) Levels  
293 Kelvin Cross Sections

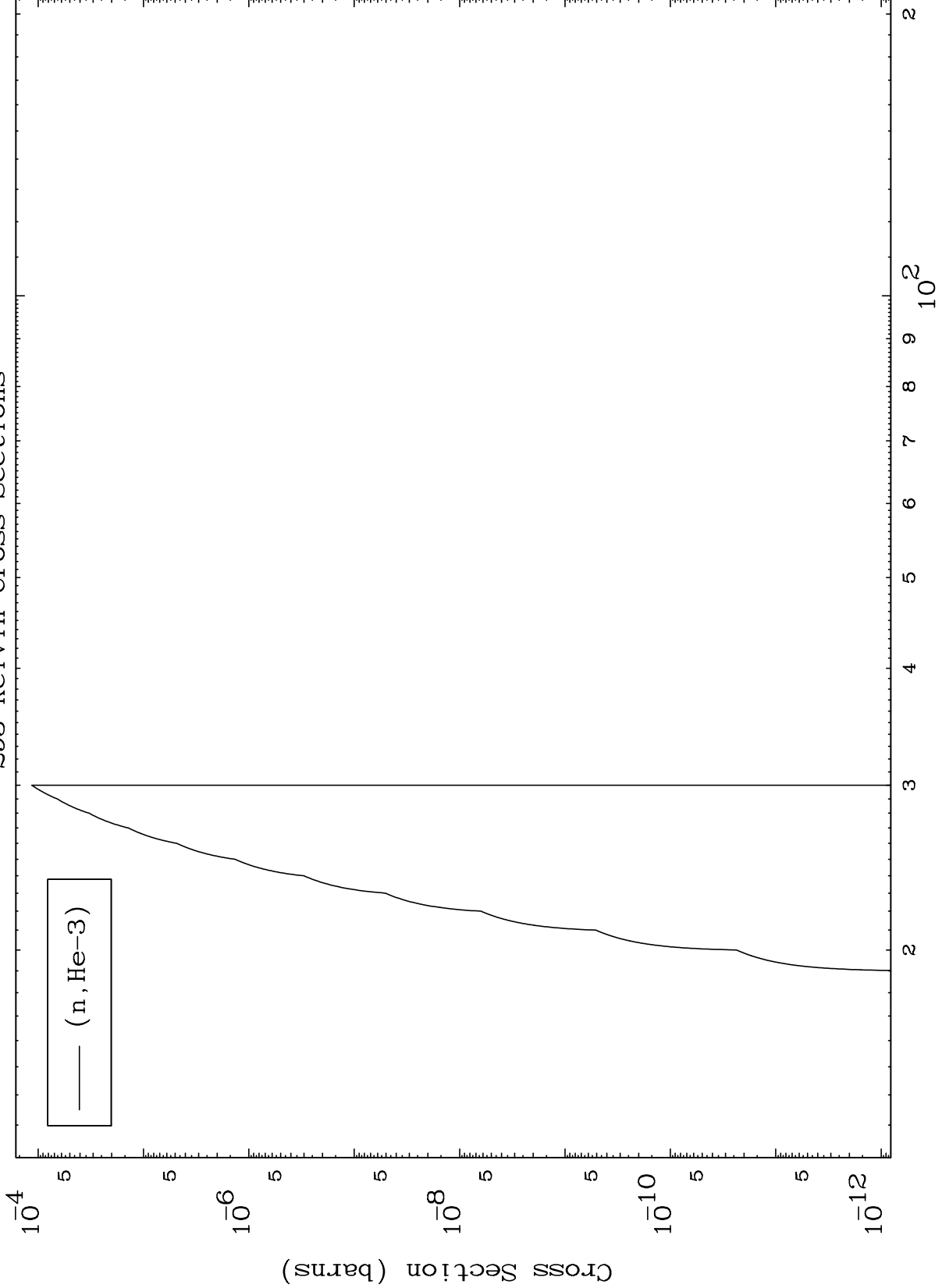
51-Sb-126



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Incident Energy (MeV)

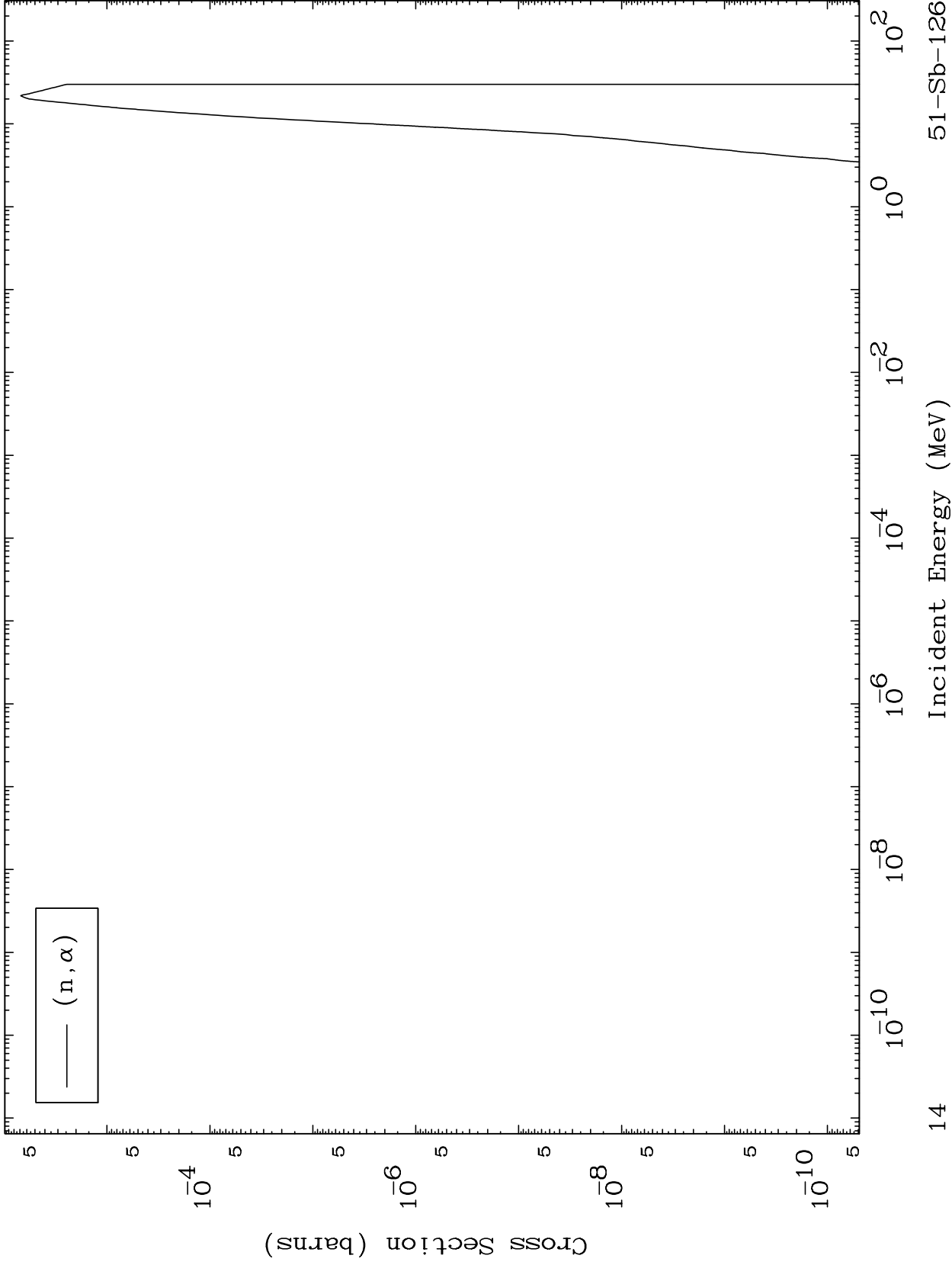
51-Sb-126

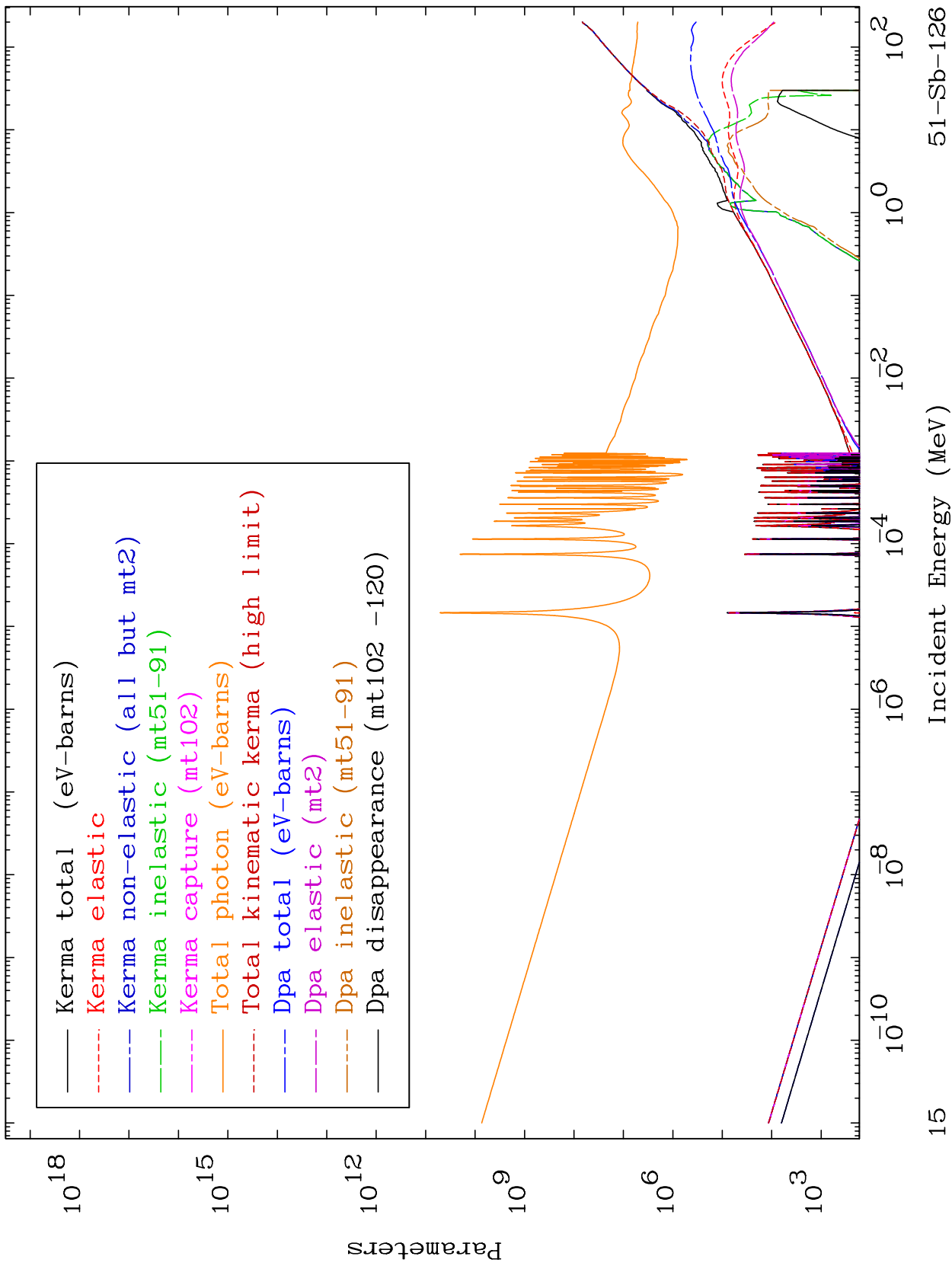


MAT 5140

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

51-Sb-126



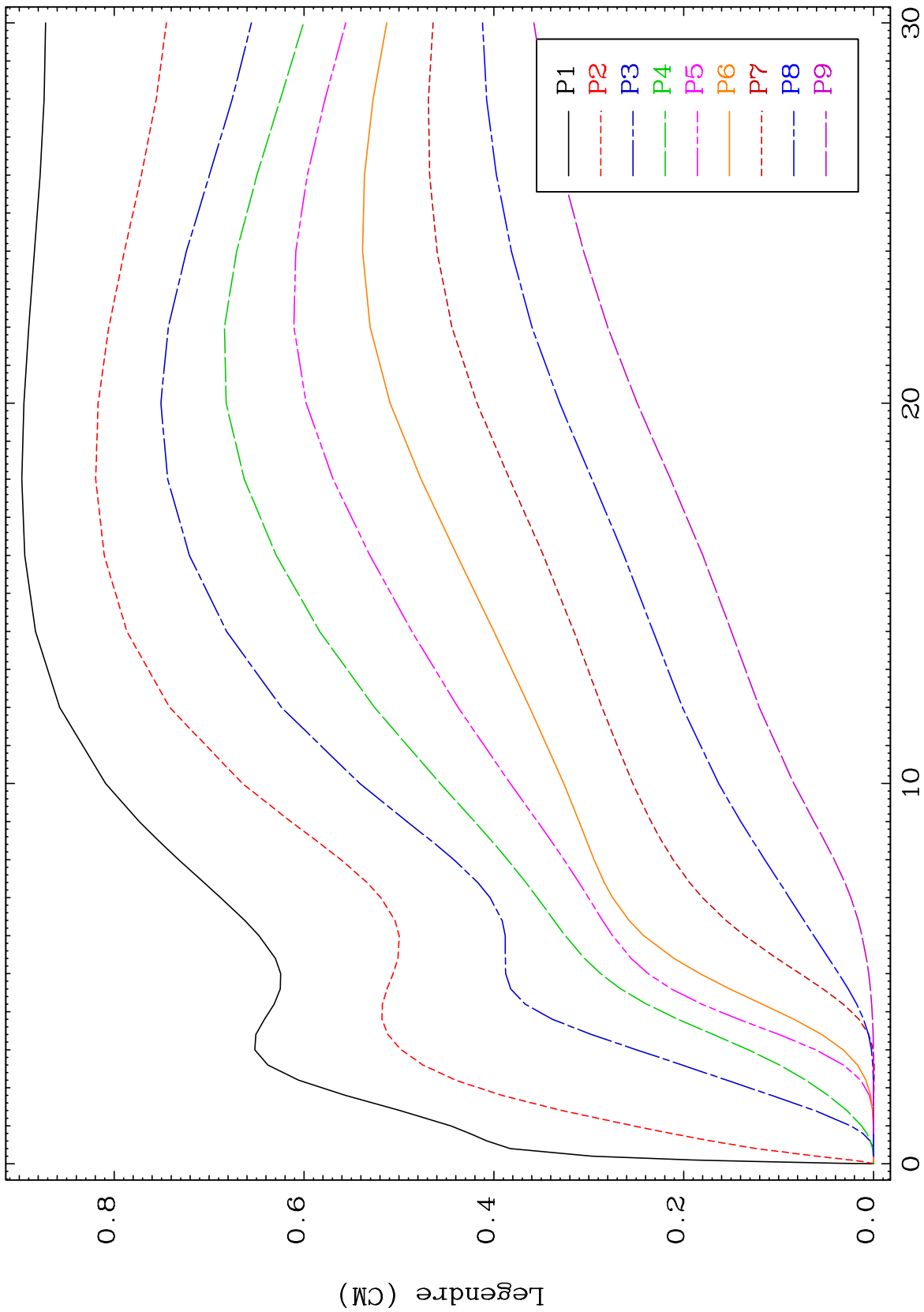




MAT 5140

51-Sb-126

Elastic Legendre Coefficients



16

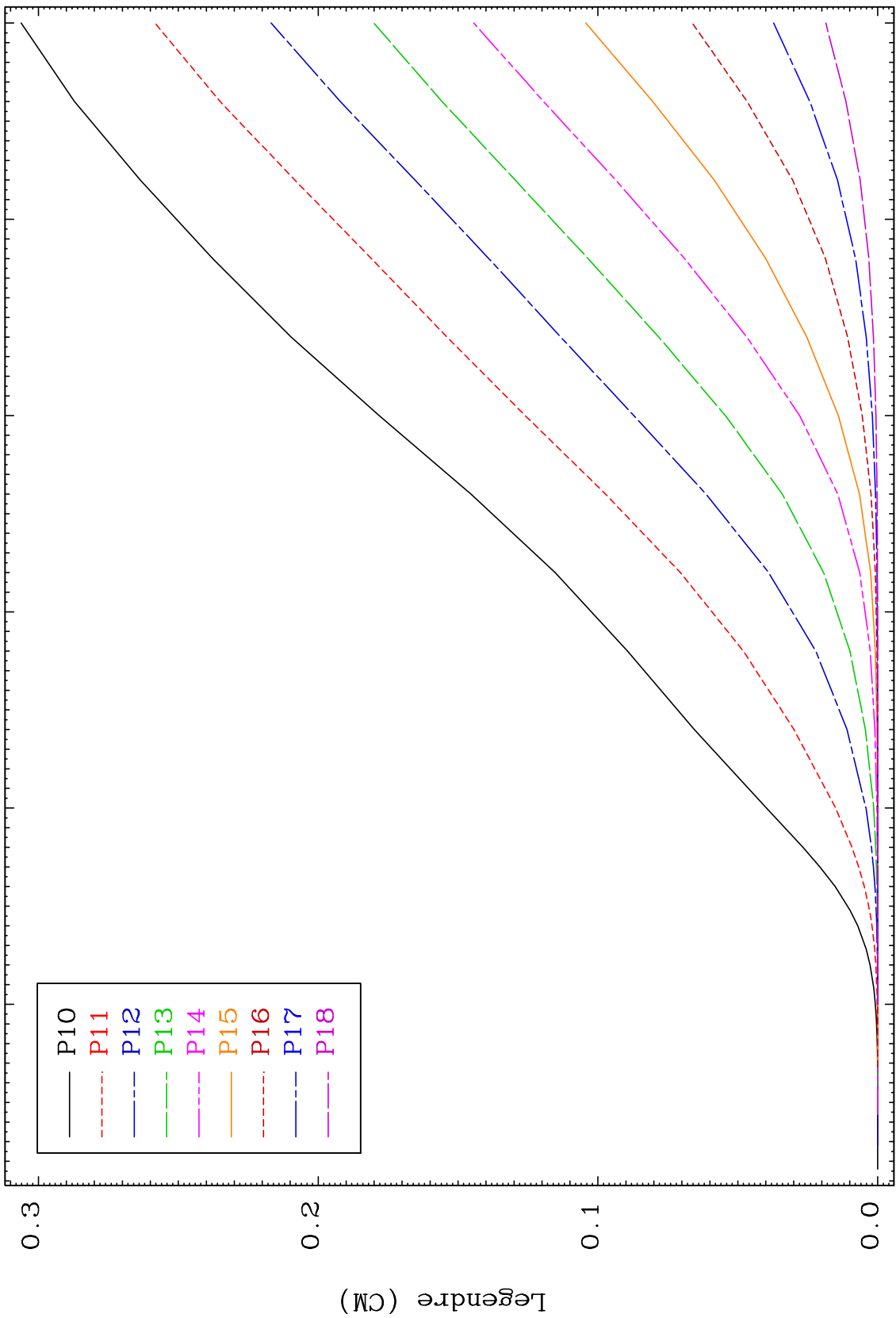
Incident Energy (MeV)

51-Sb-126

MAT 5140

Elastic Legendre Coefficients

51-Sb-126



17

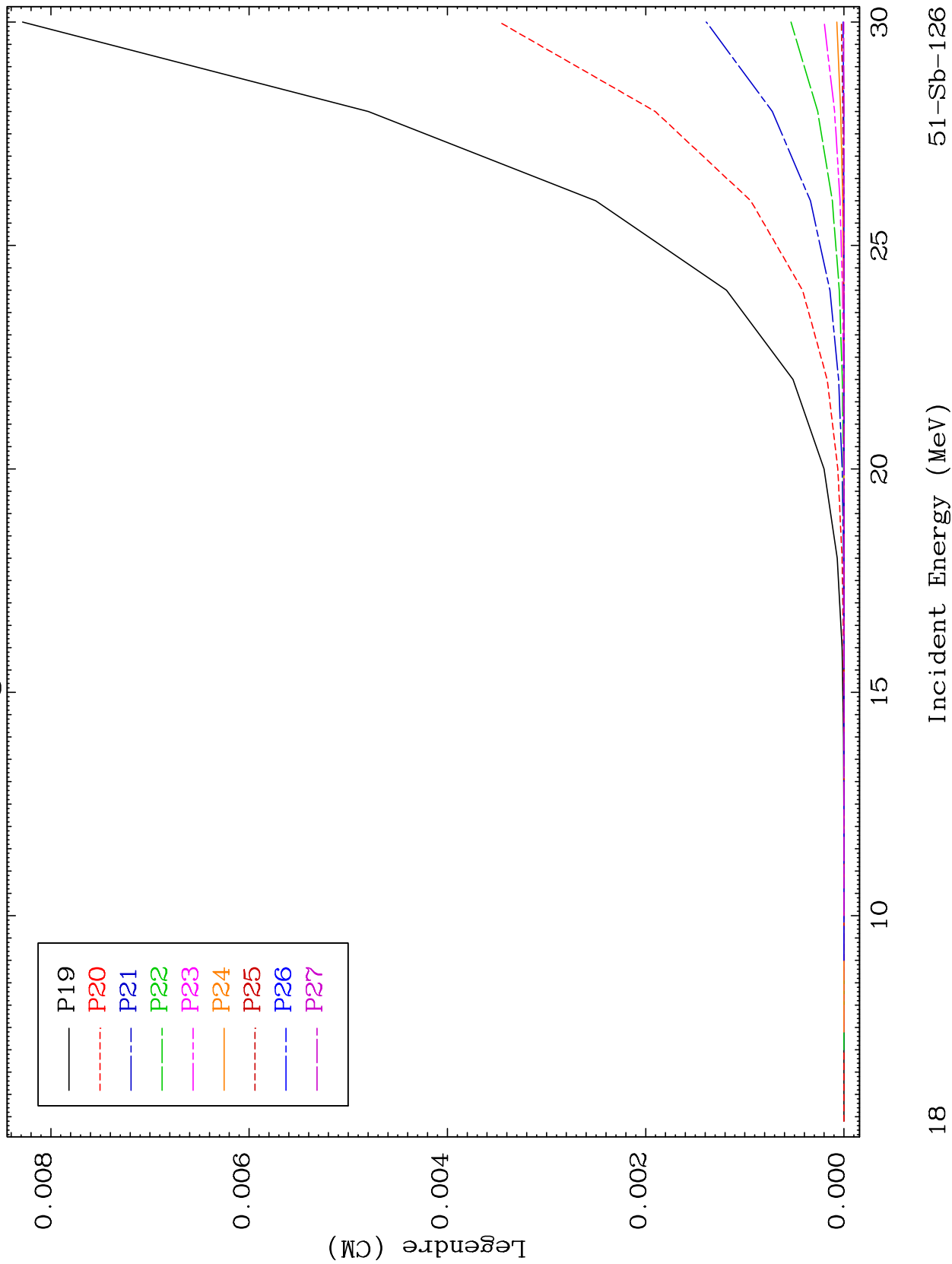
Incident Energy (MeV)

51-Sb-126

MAT 5140

### Elastic Legendre Coefficients

51-Sb-126



18

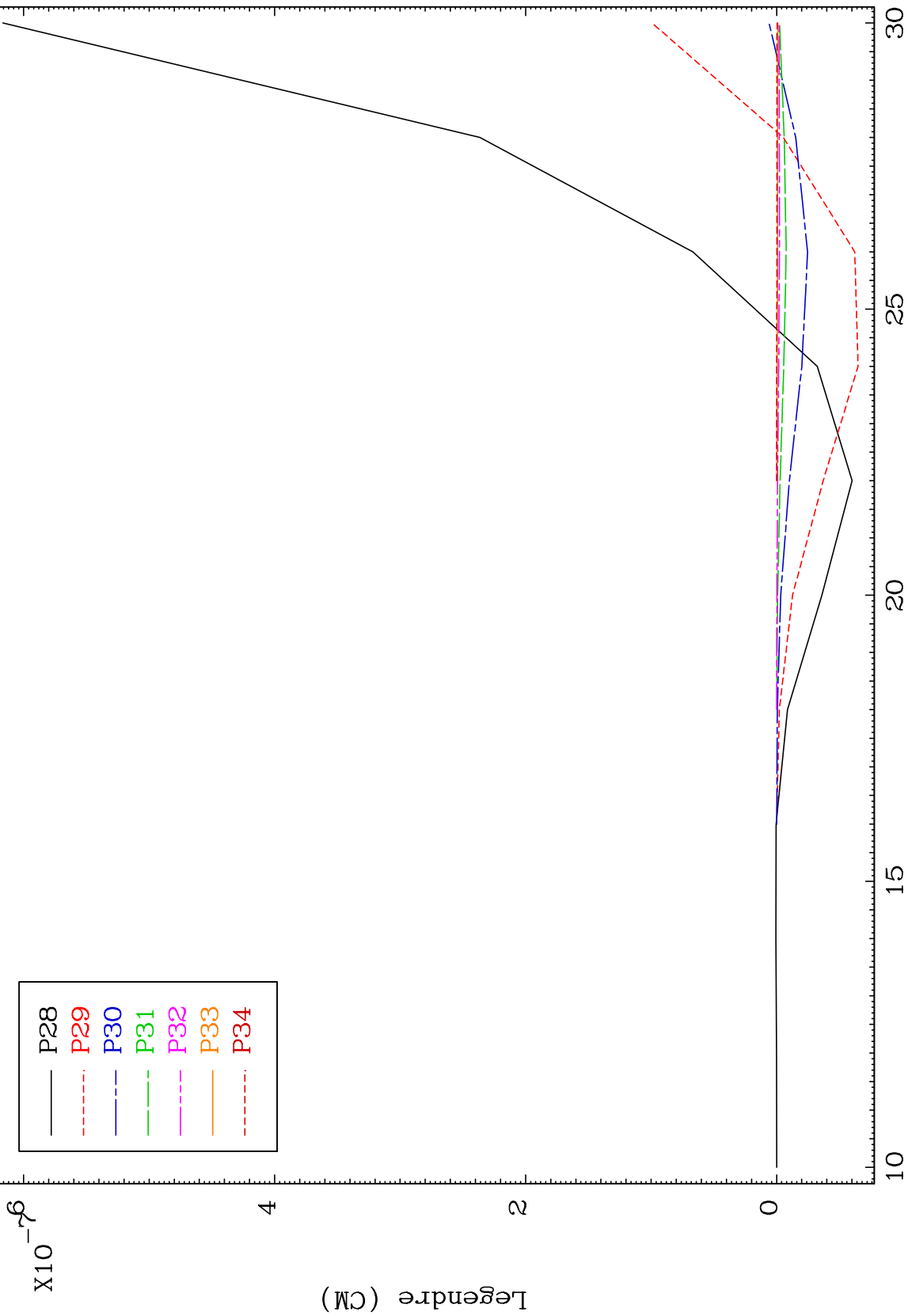
Incident Energy (MeV)

51-Sb-126

MAT 5140

Elastic Legendre Coefficients

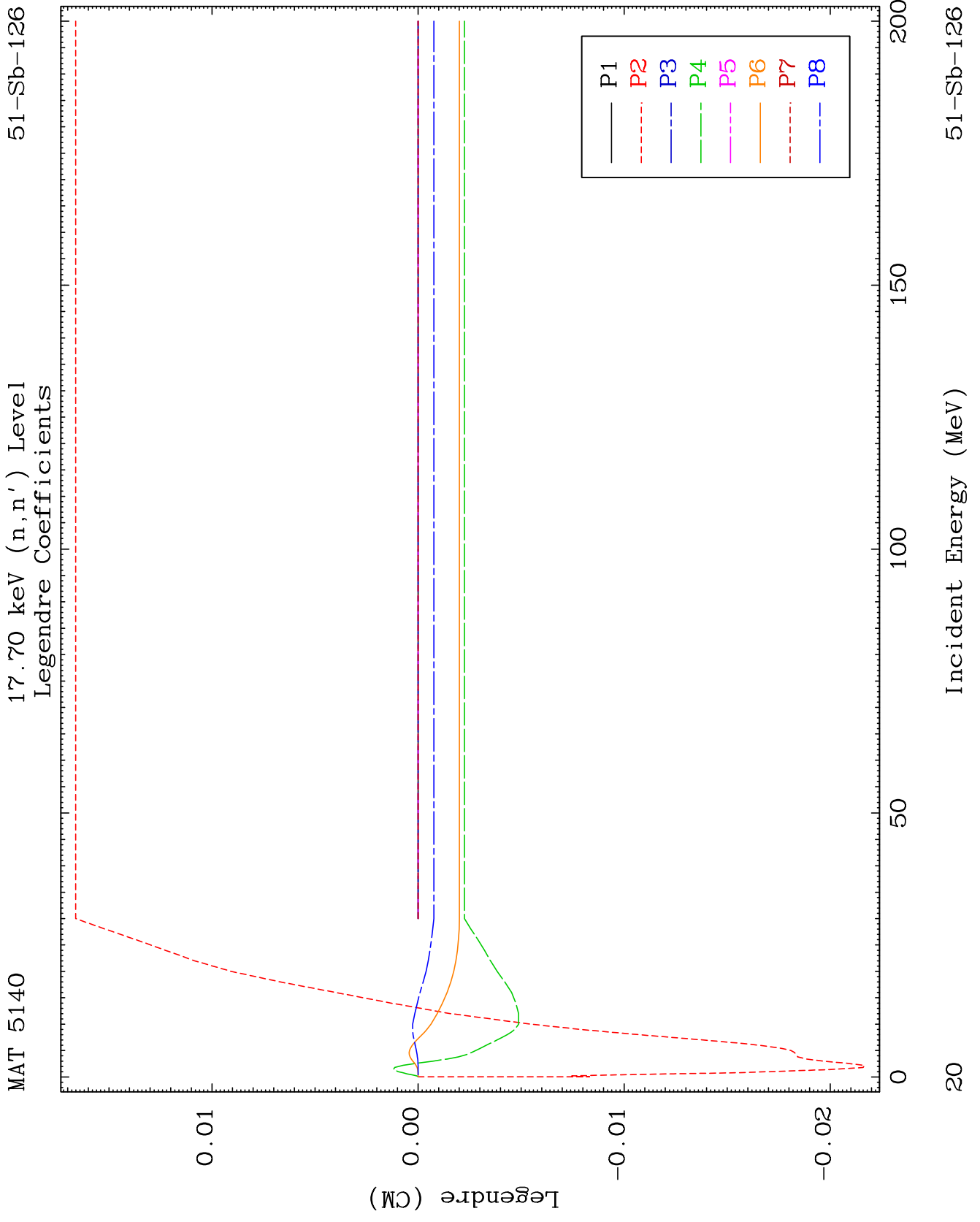
51-Sb-126



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Incident Energy (MeV)

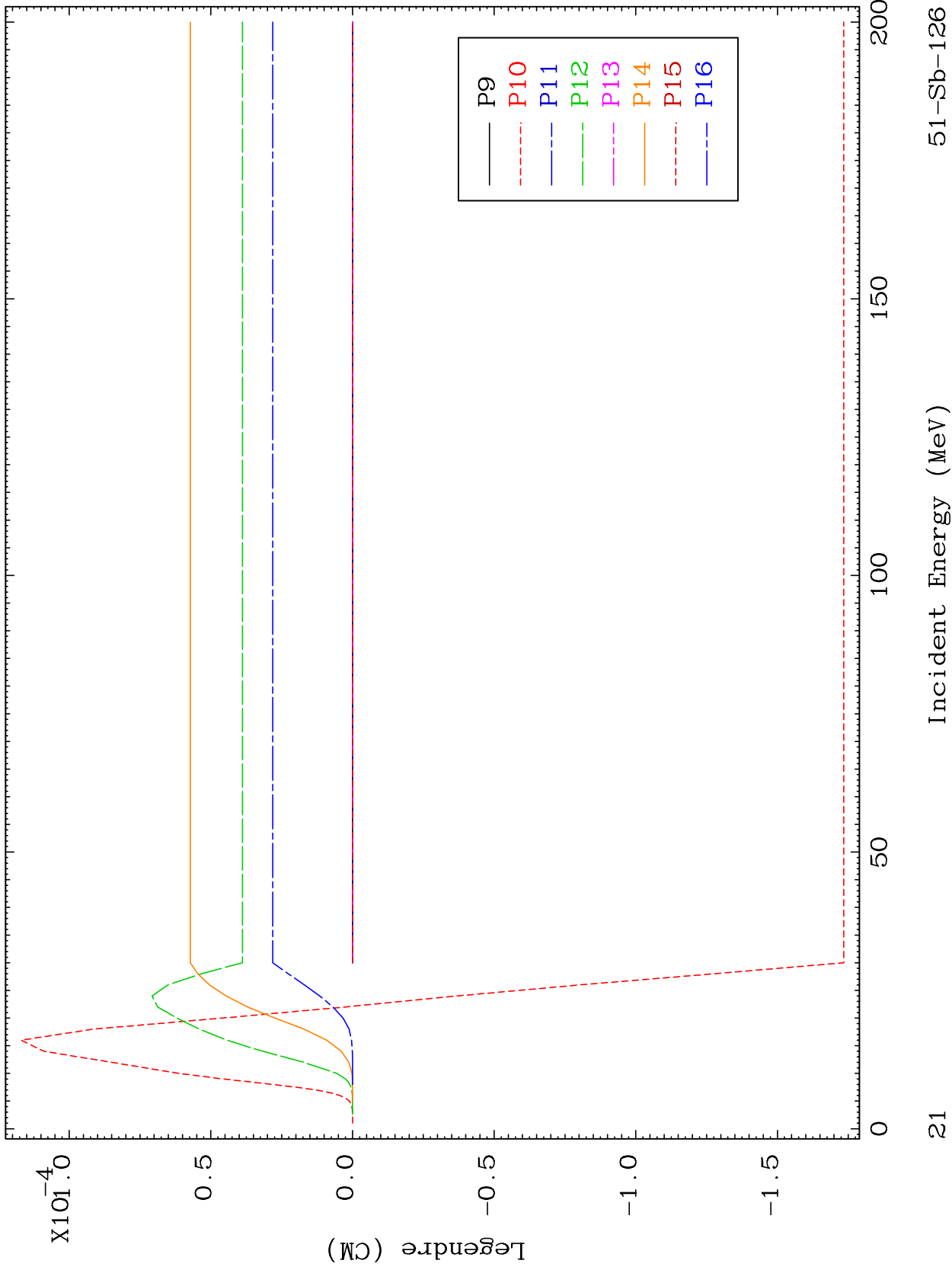
51-Sb-126



MAT 5140

17.70 keV (n,n') Level  
Legendre Coefficients

51-Sb-126



51-Sb-126

Incident Energy (MeV)

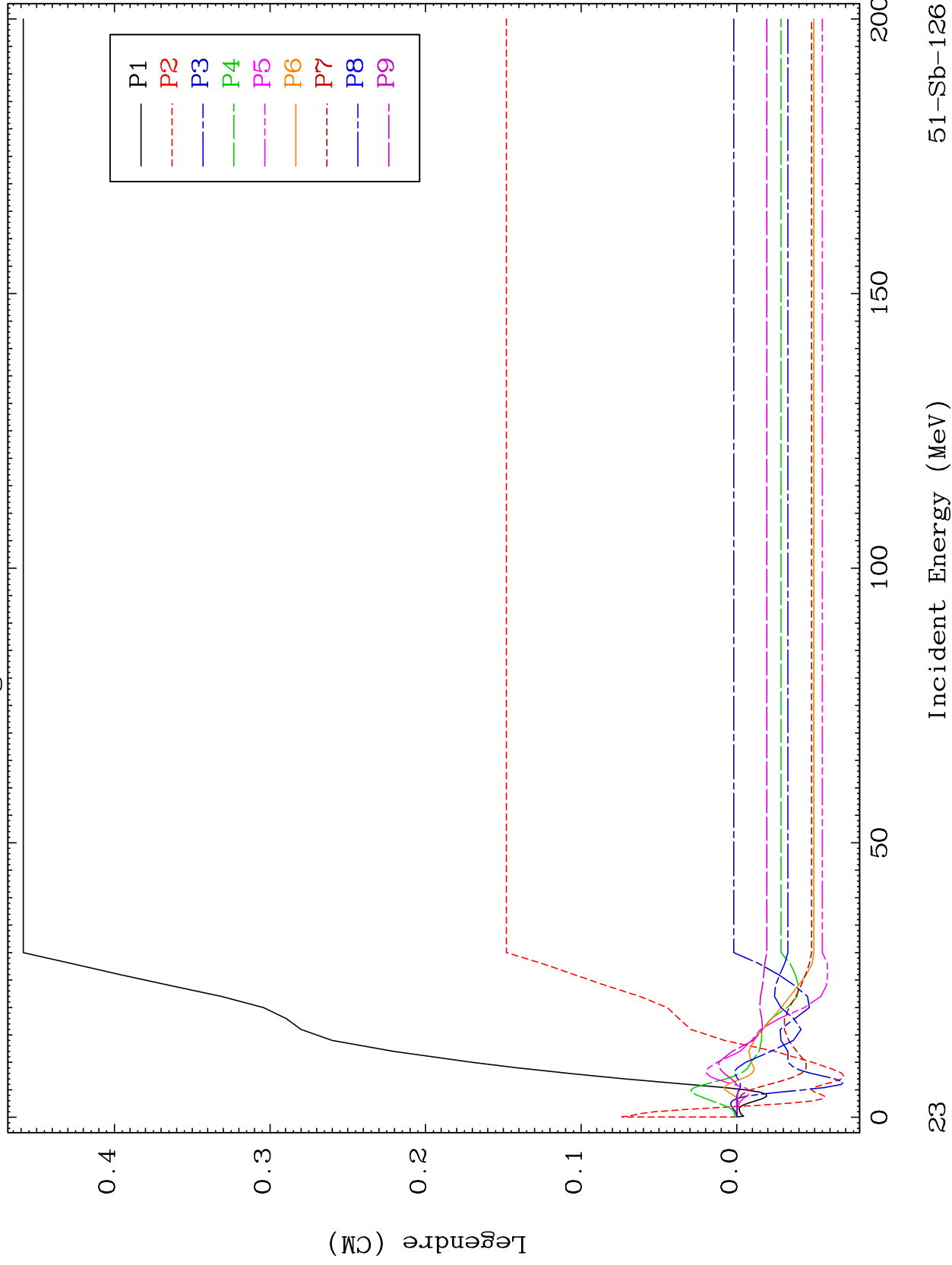
21



MAT 5140

40.40 keV (n,n') Level  
Legendre Coefficients

51-Sb-126

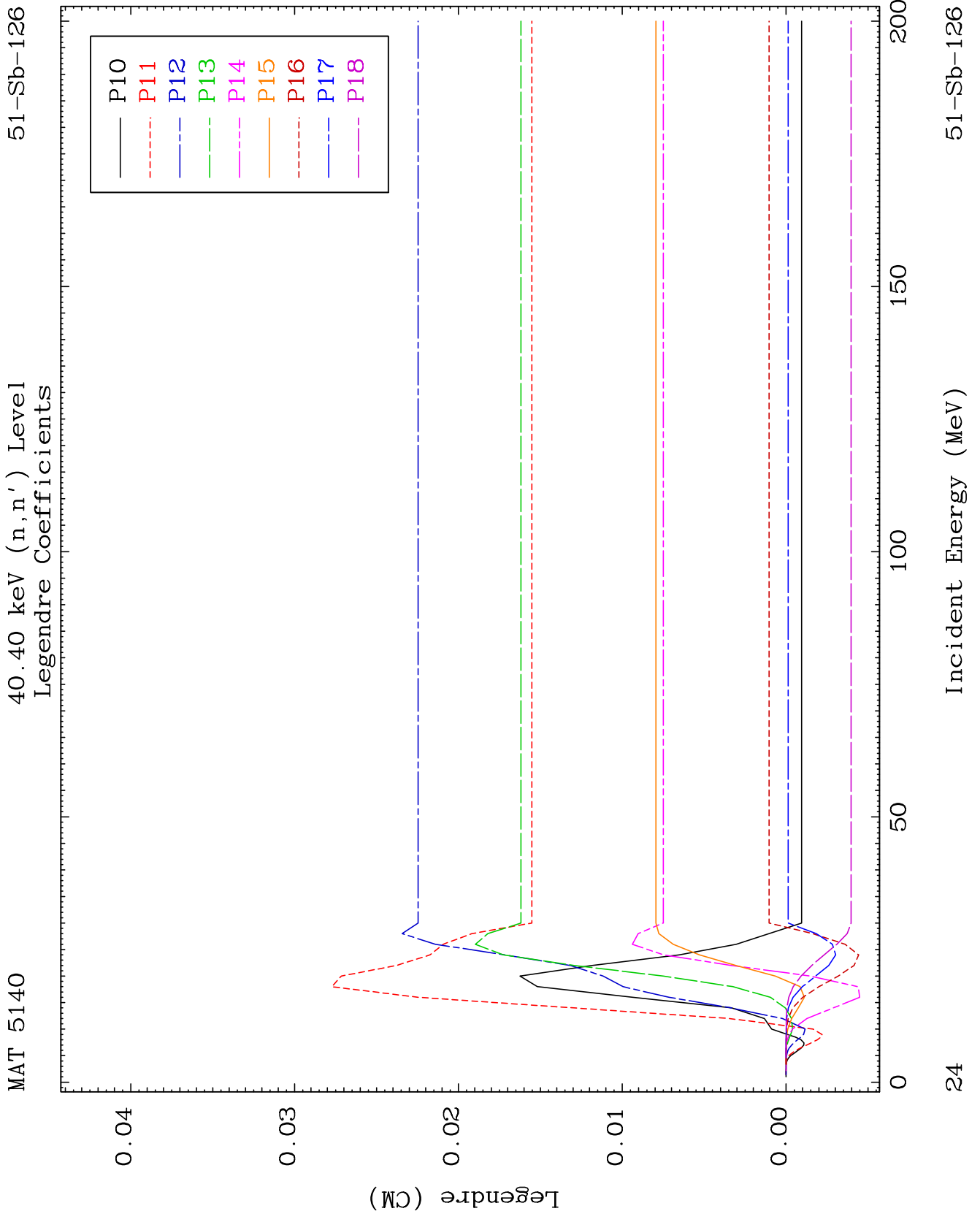


51-Sb-126

Incident Energy (MeV)

23

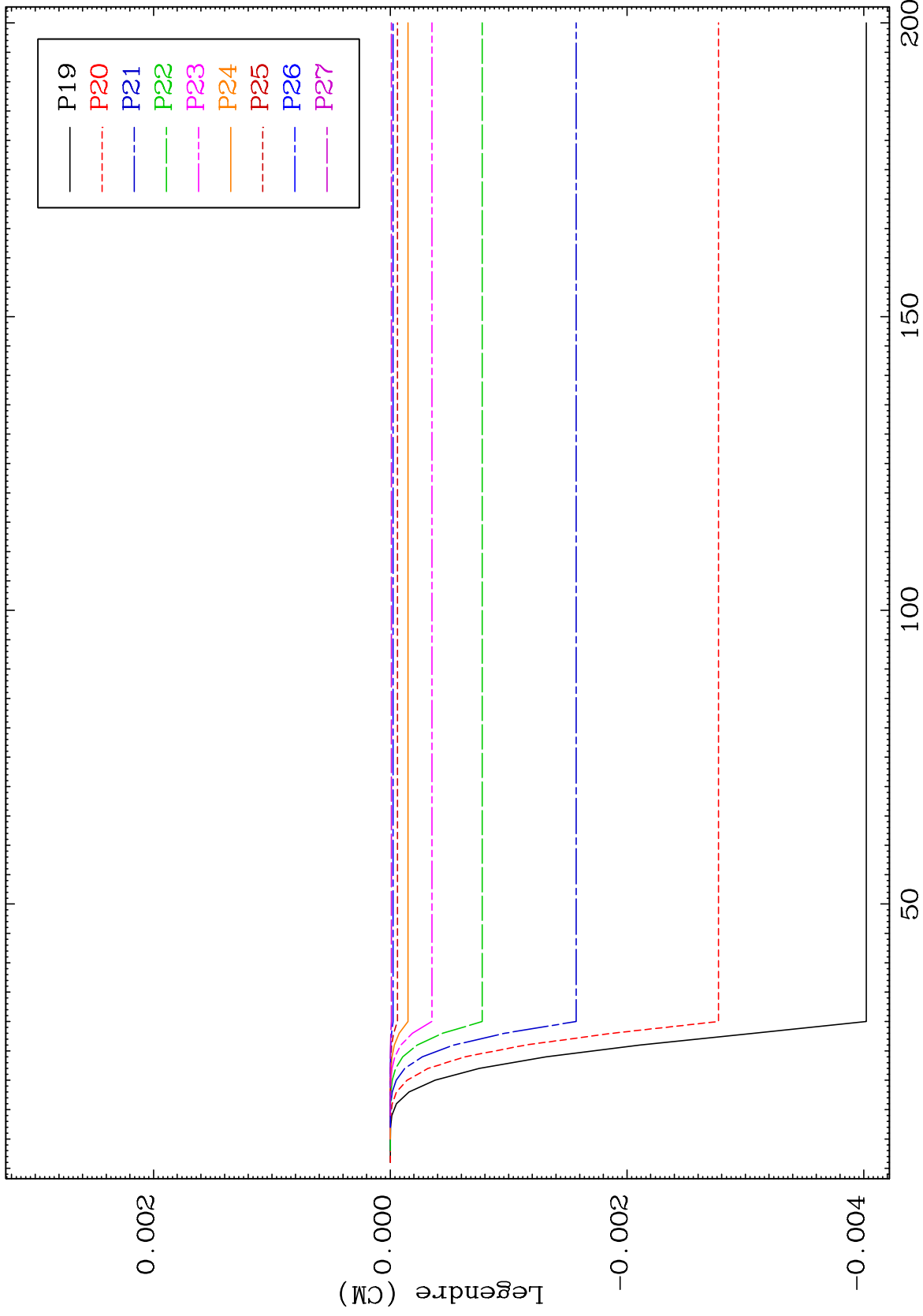




MAT 5140

40.40 keV (n,n') Level  
Legendre Coefficients

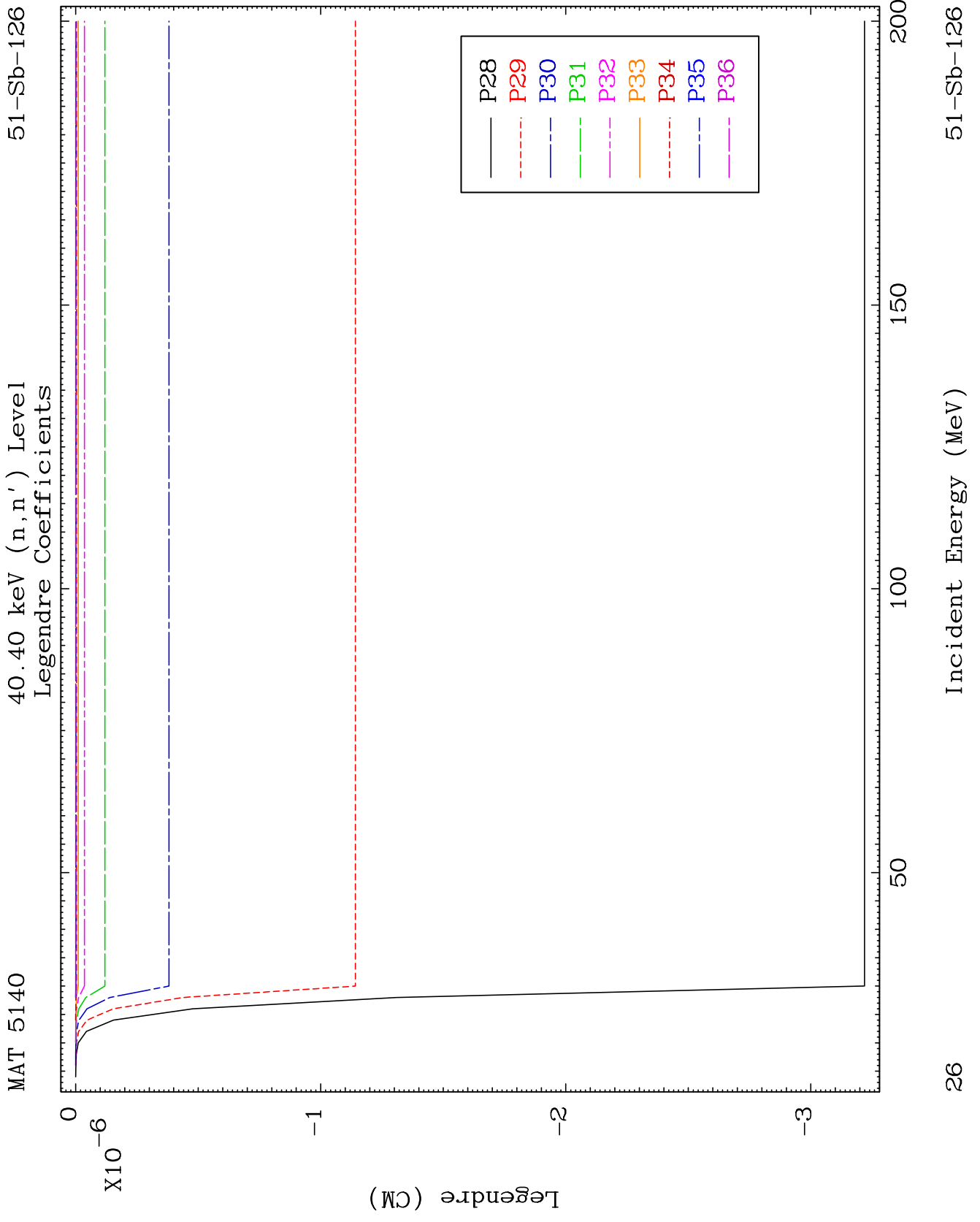
51-Sb-126



25

Incident Energy (MeV)

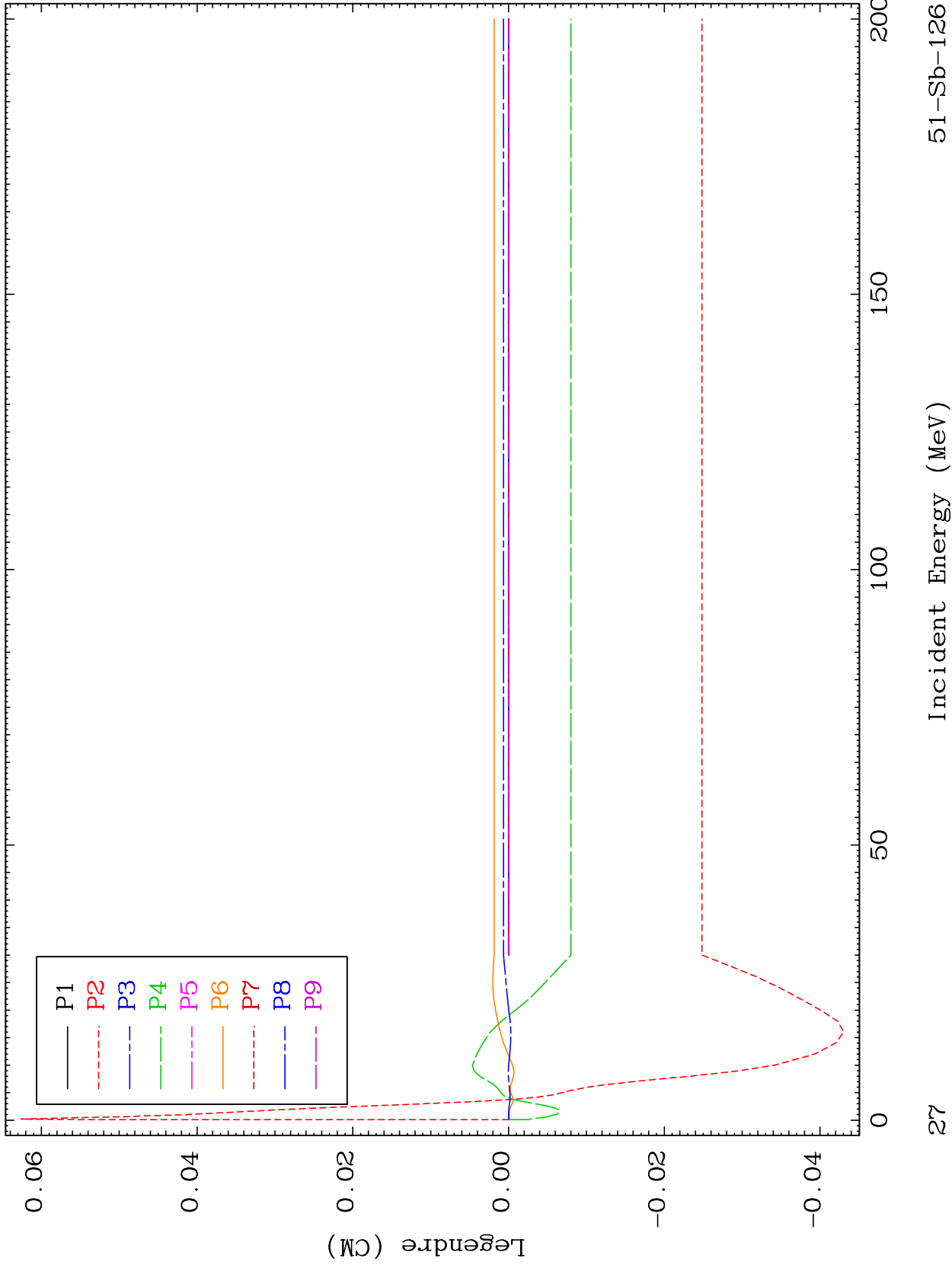
51-Sb-126



MAT 5140

83.00 keV (n,n') Level  
Legendre Coefficients

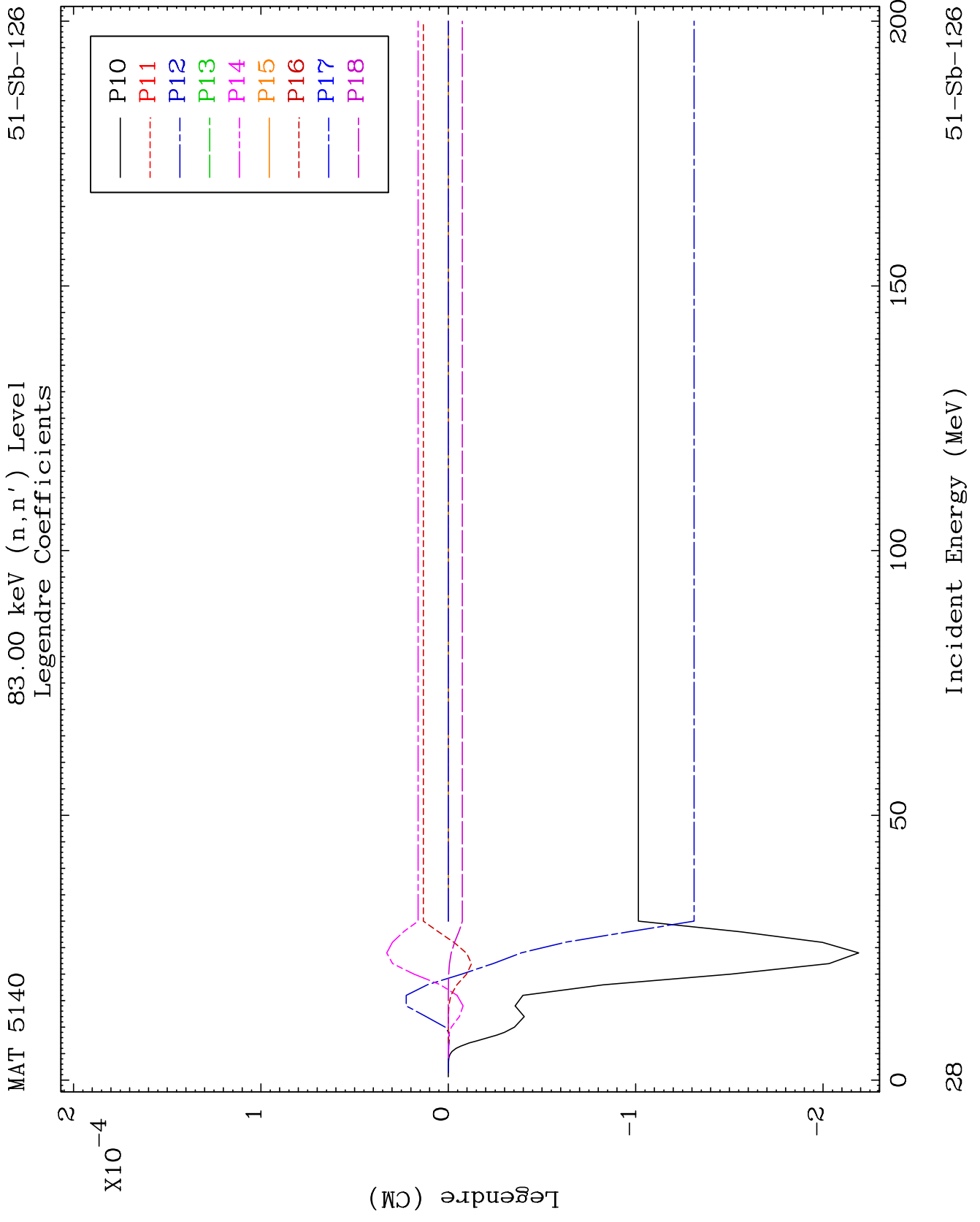
51-Sb-126

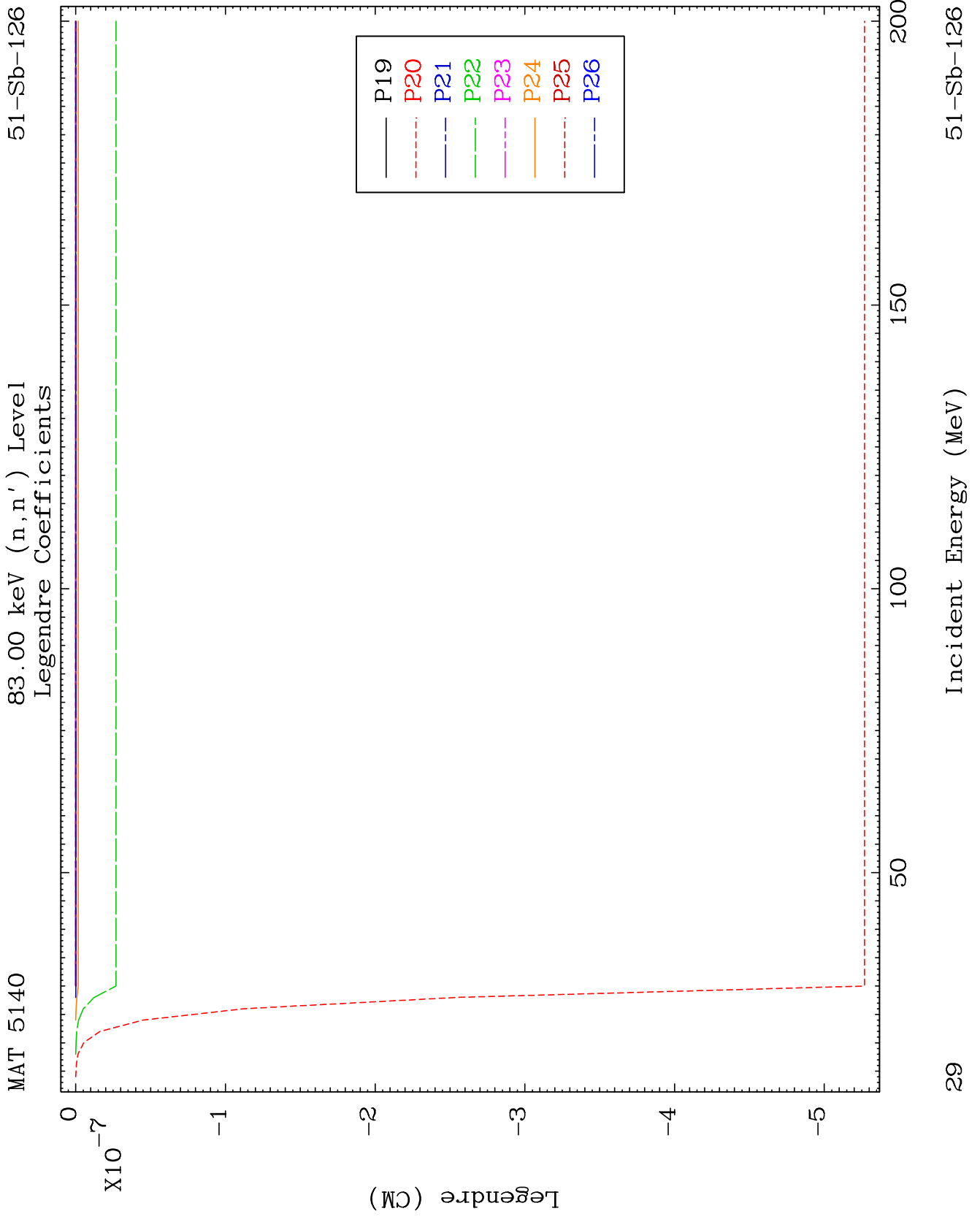


51-Sb-126

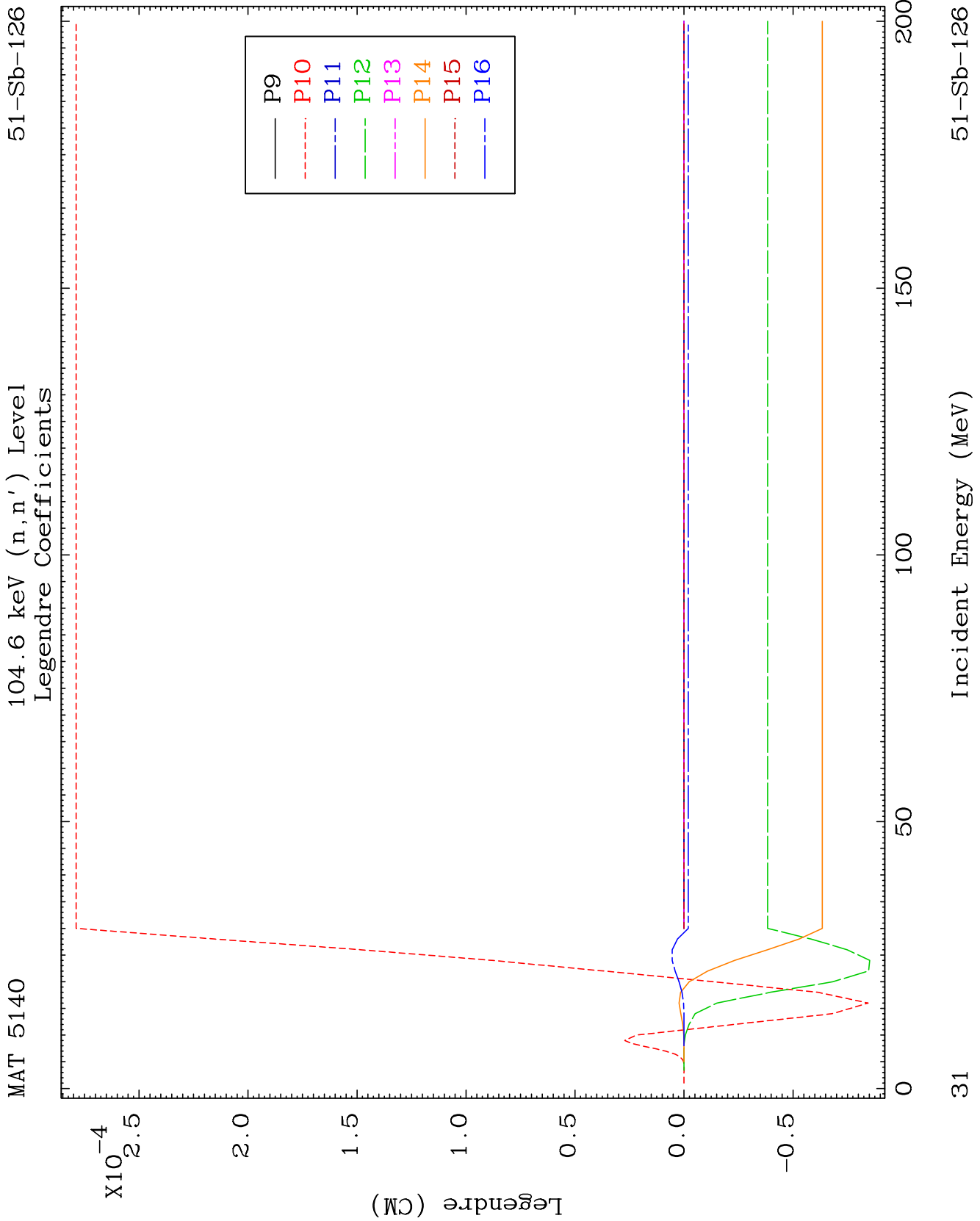
Incident Energy (MeV)

27

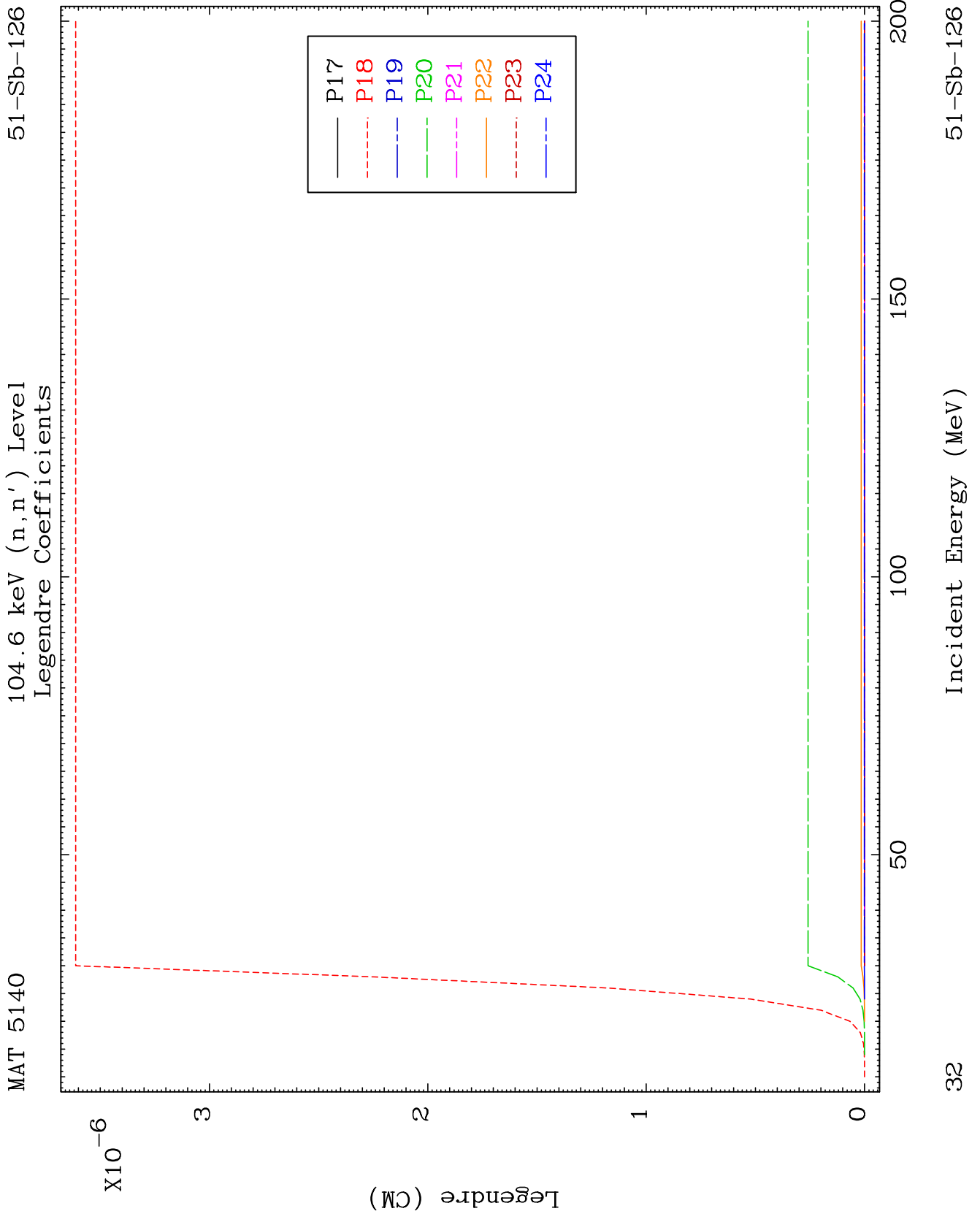


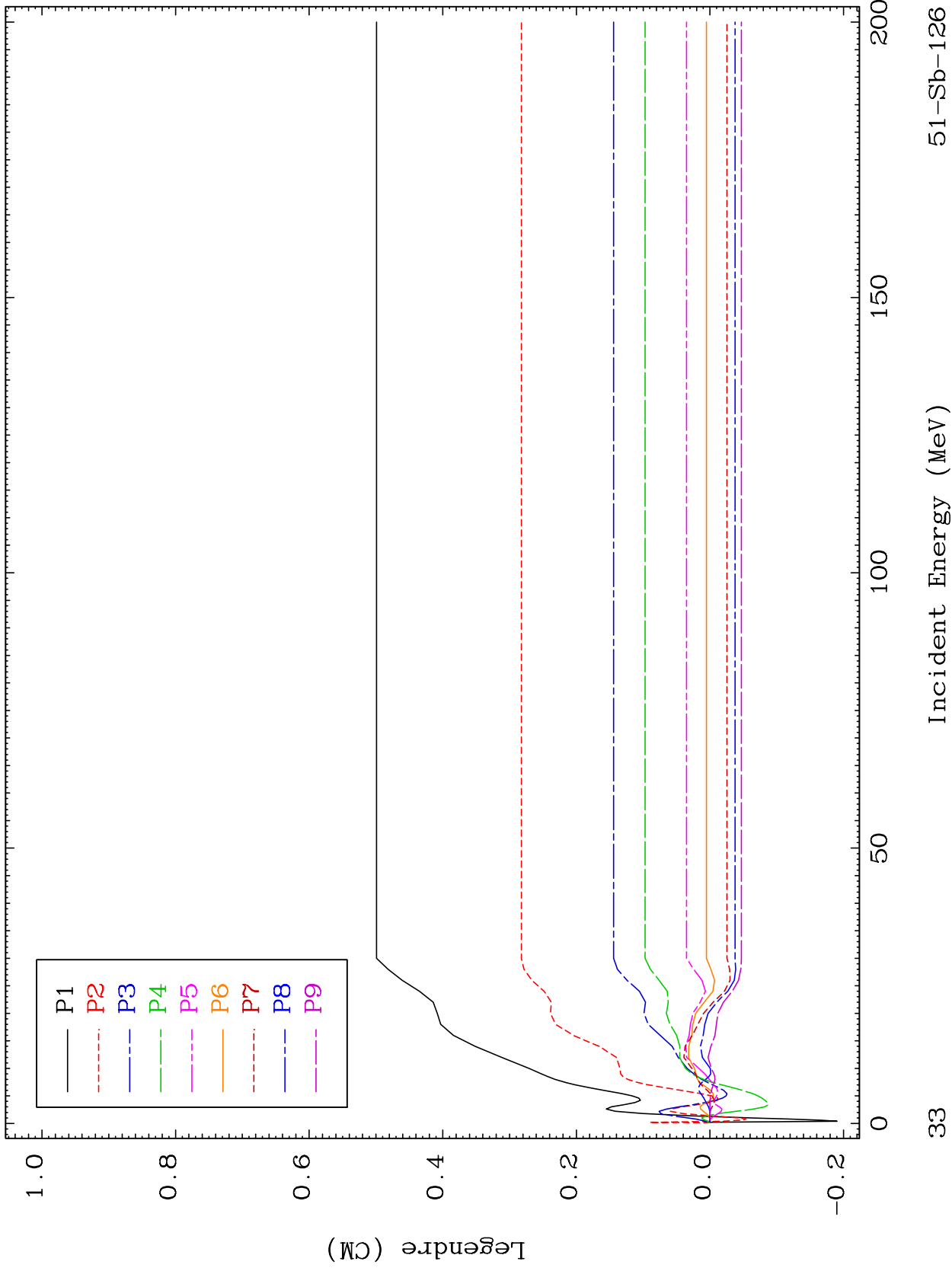


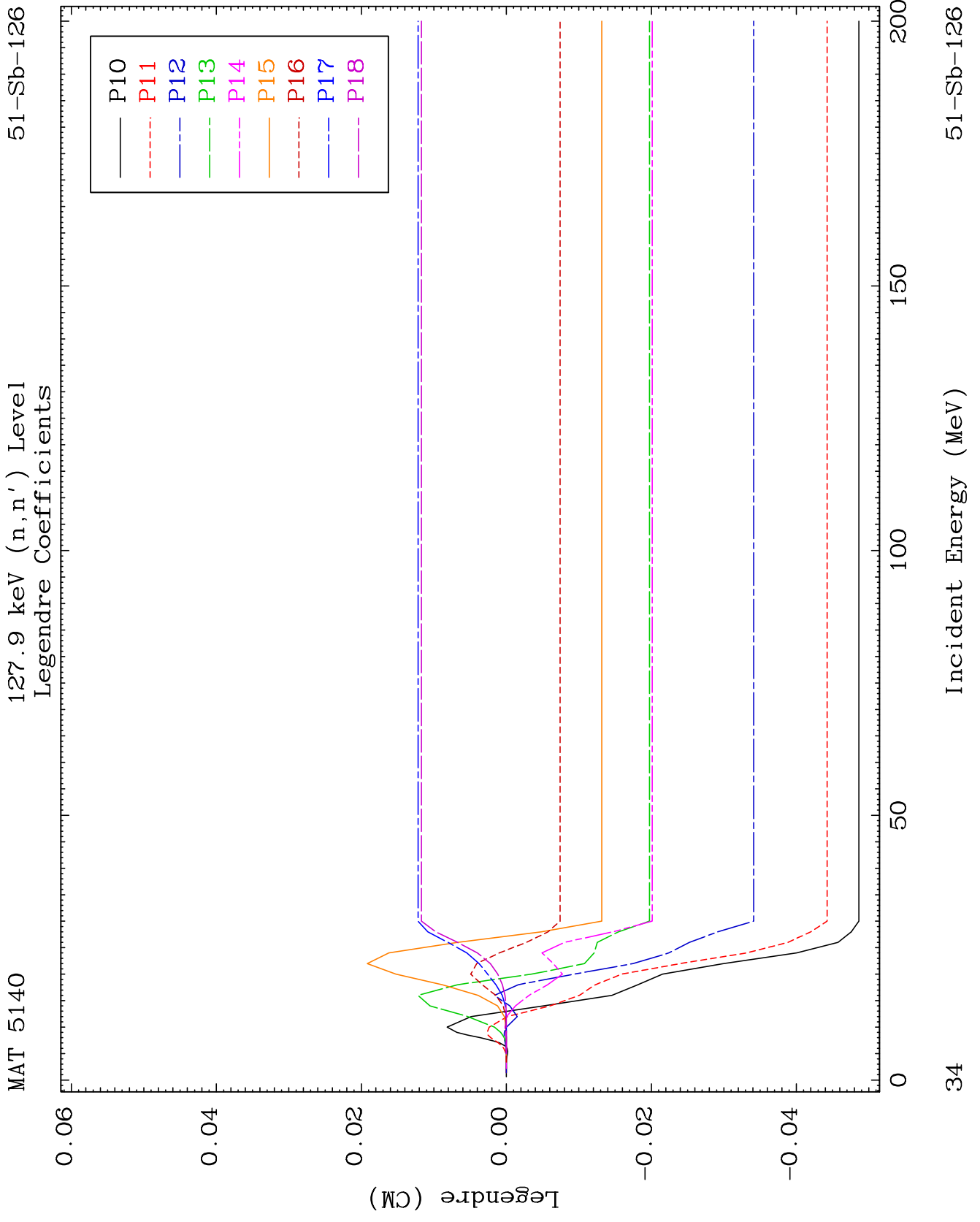


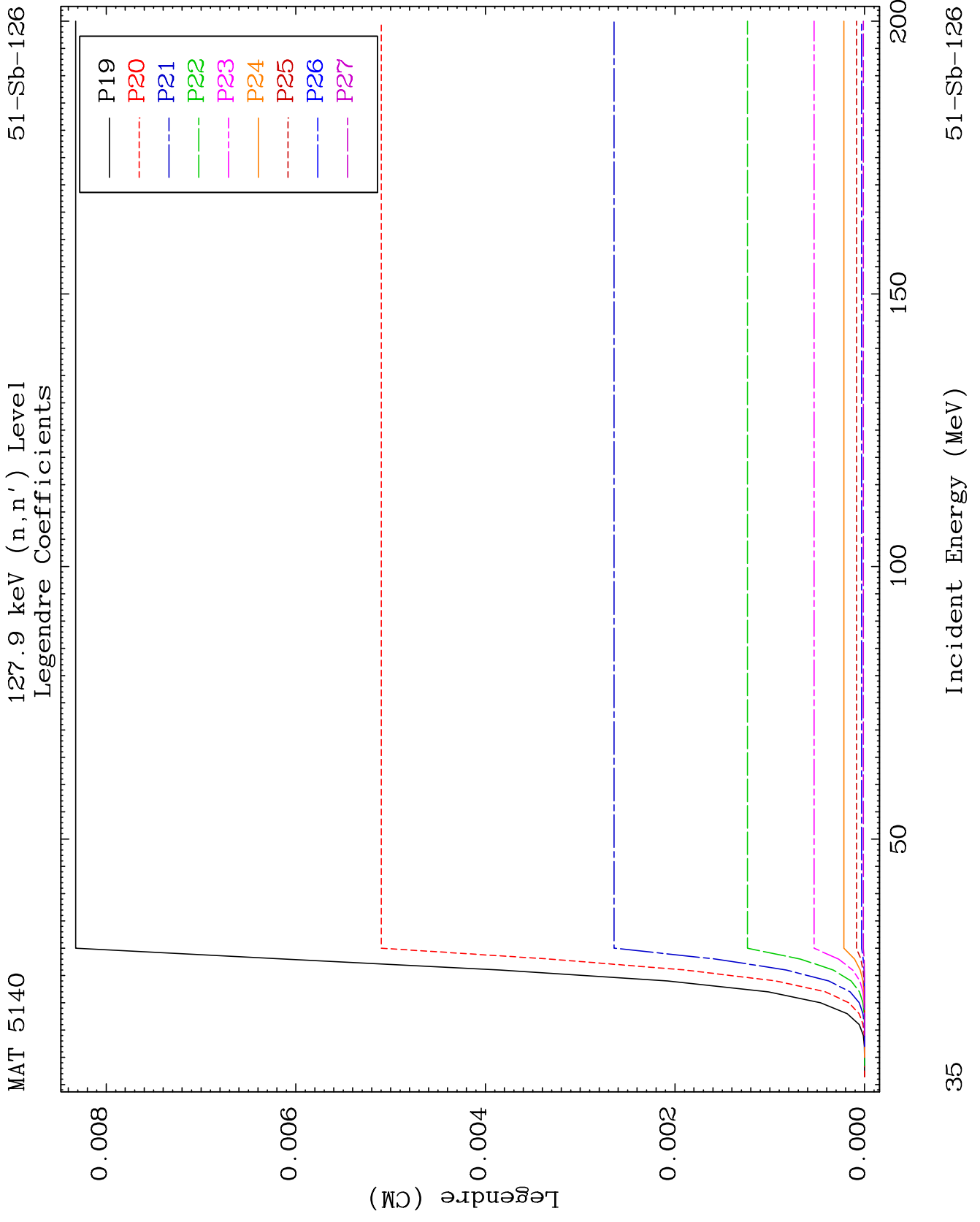


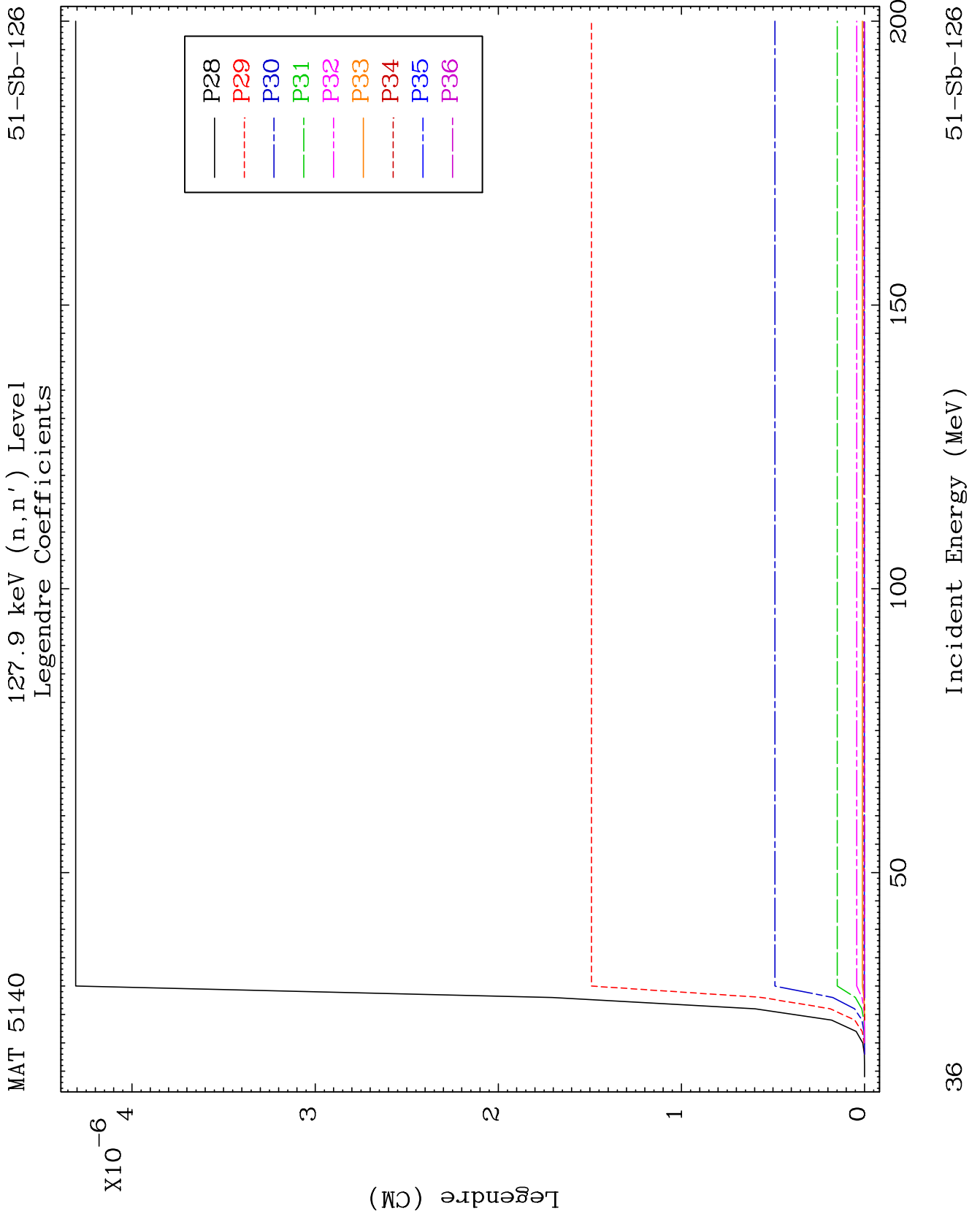








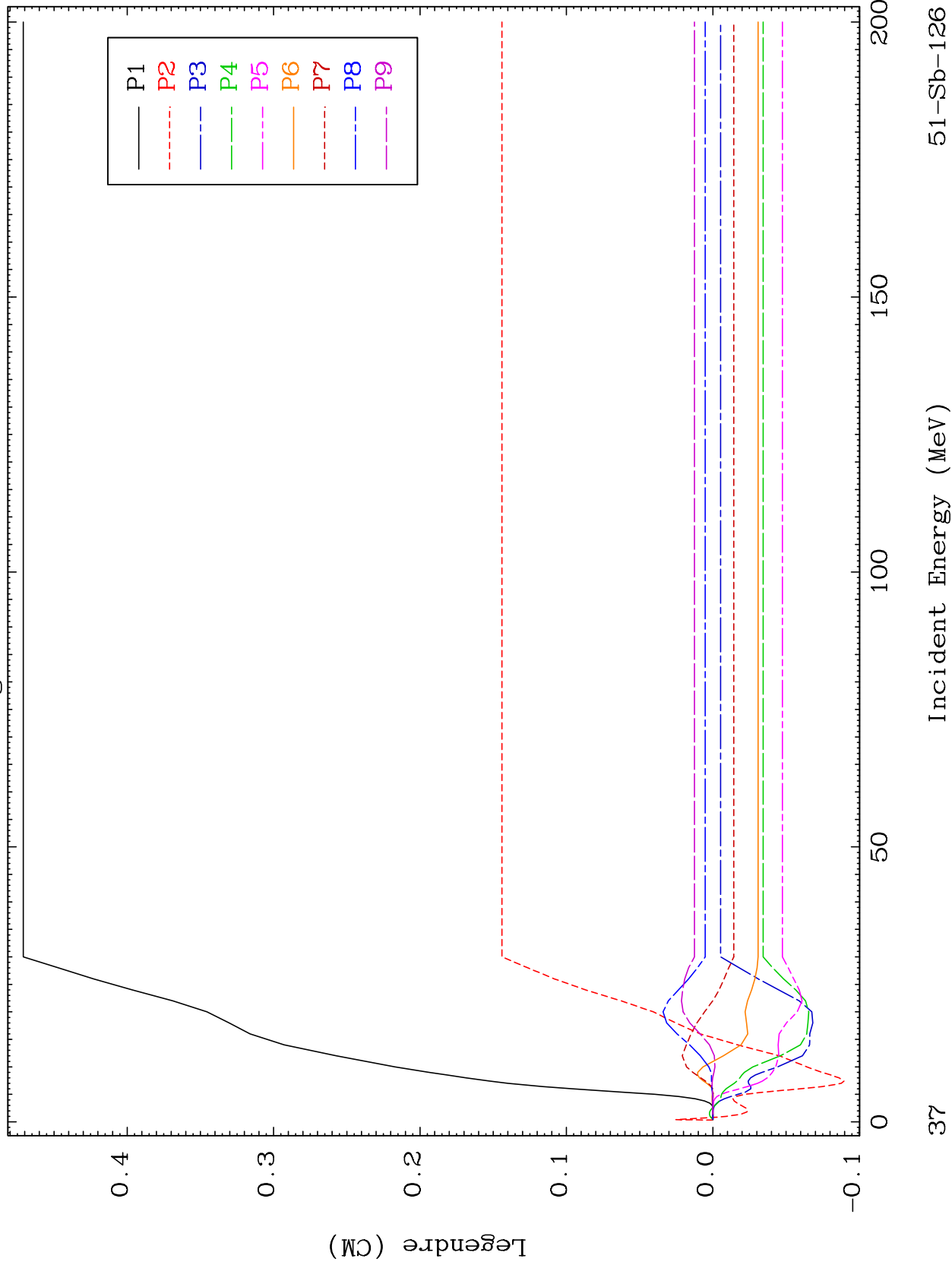




MAT 5140

320.7 keV (n,n') Level  
Legendre Coefficients

51-Sb-126



51-Sb-126

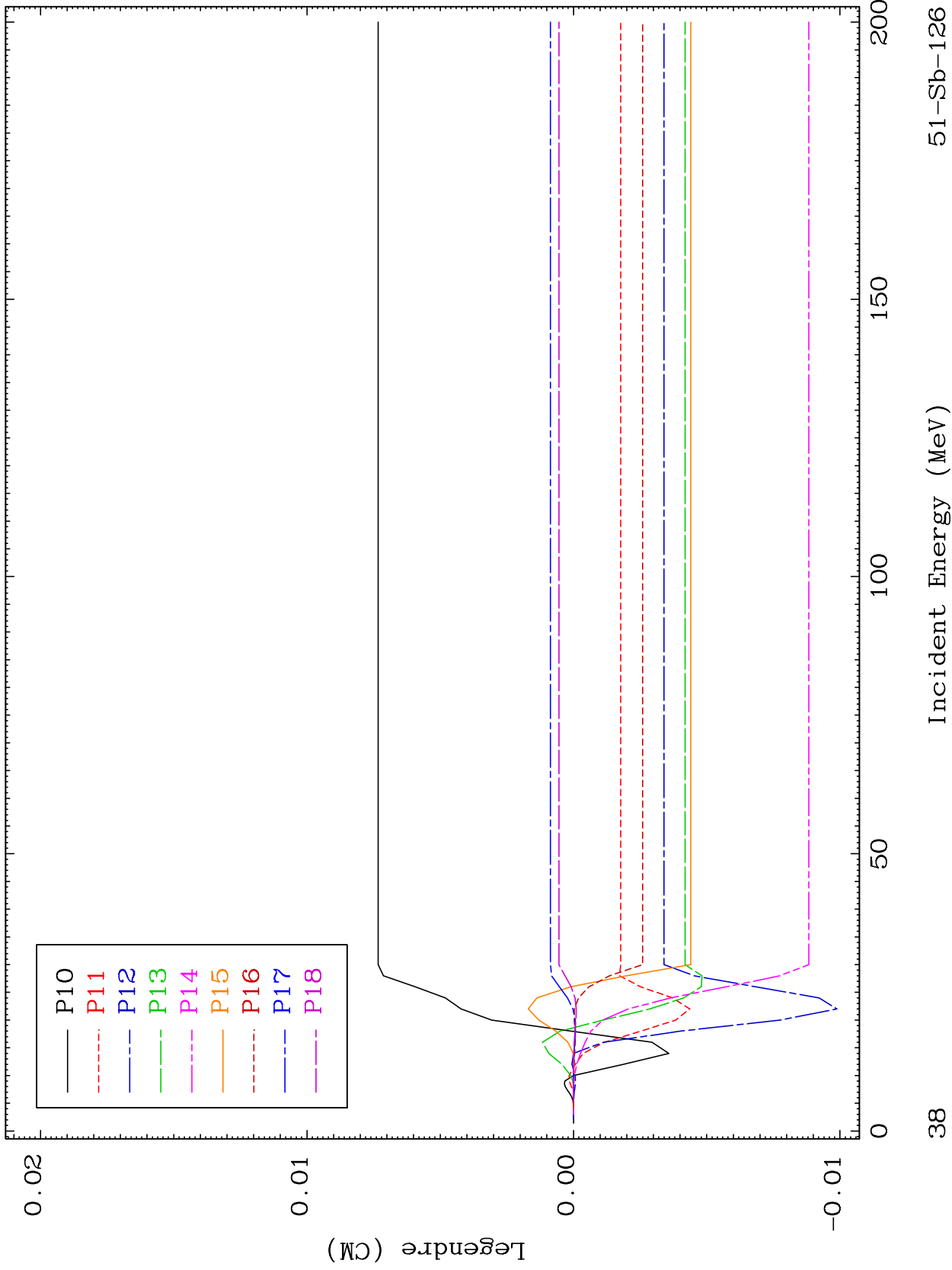
Incident Energy (MeV)

37

MAT 5140

320.7 keV (n,n') Level  
Legendre Coefficients

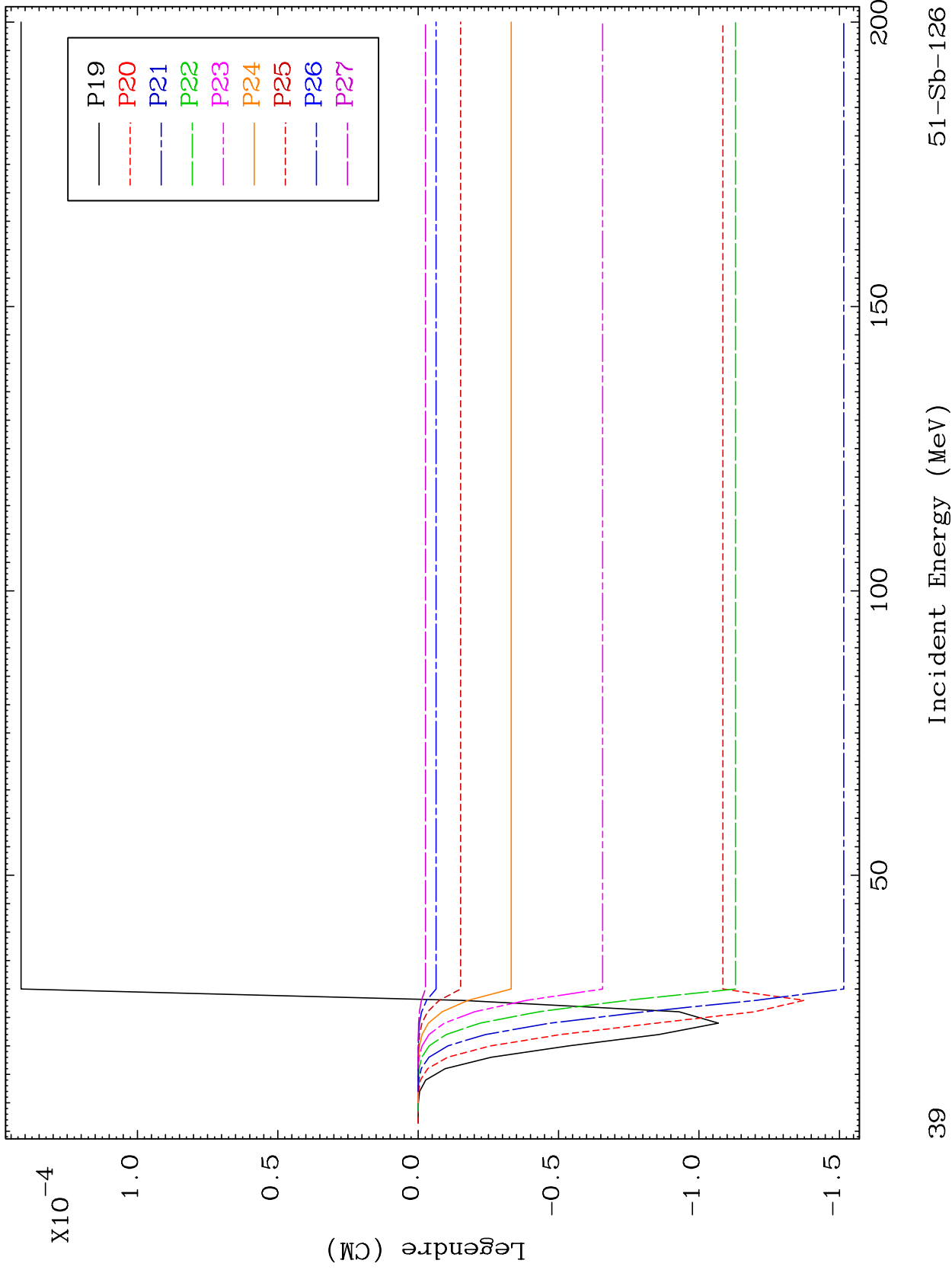
51-Sb-126



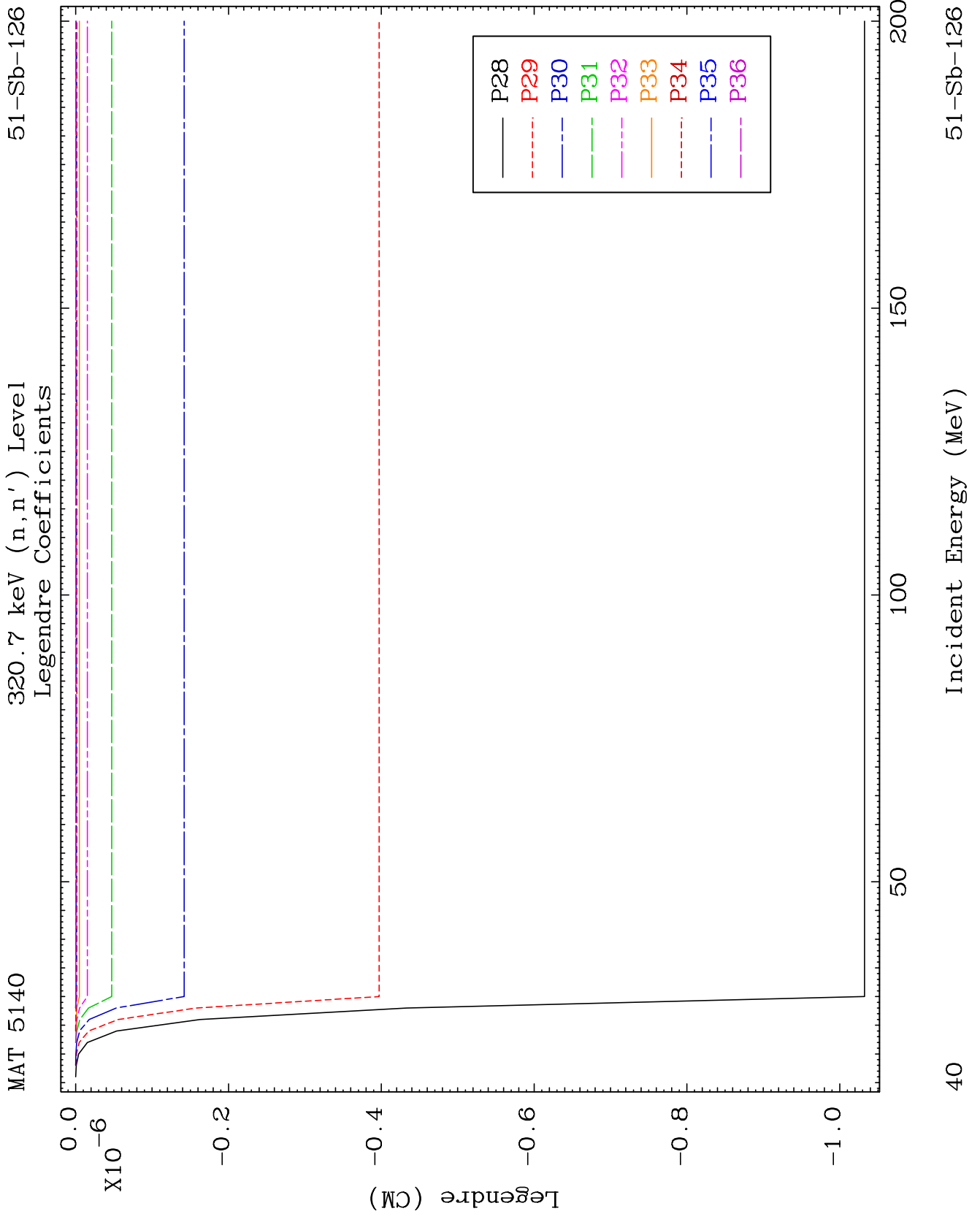
38

Incident Energy (MeV)

51-Sb-126



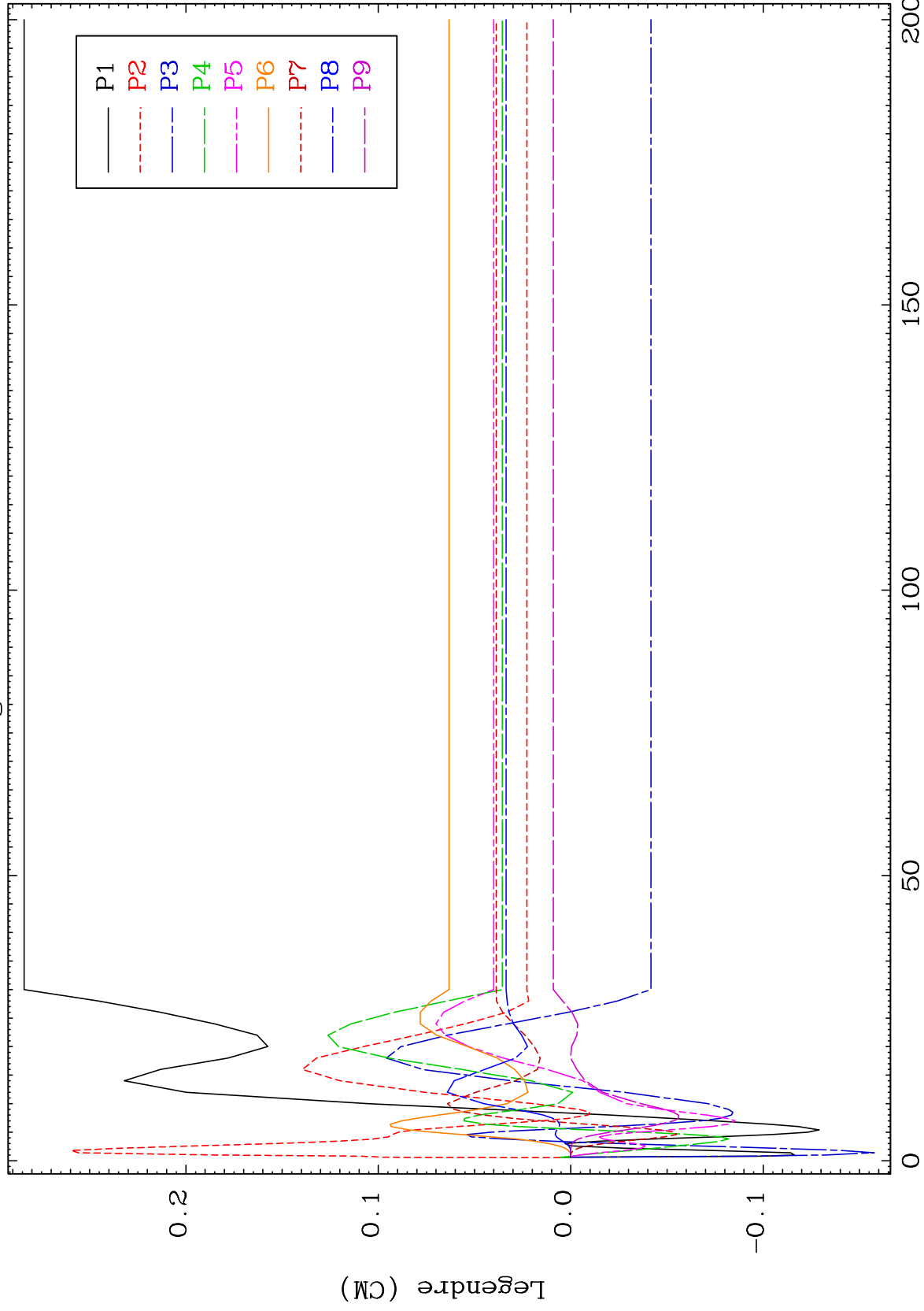




MAT 5140

524.9 keV (n,n') Level  
Legendre Coefficients

51-Sb-126



41

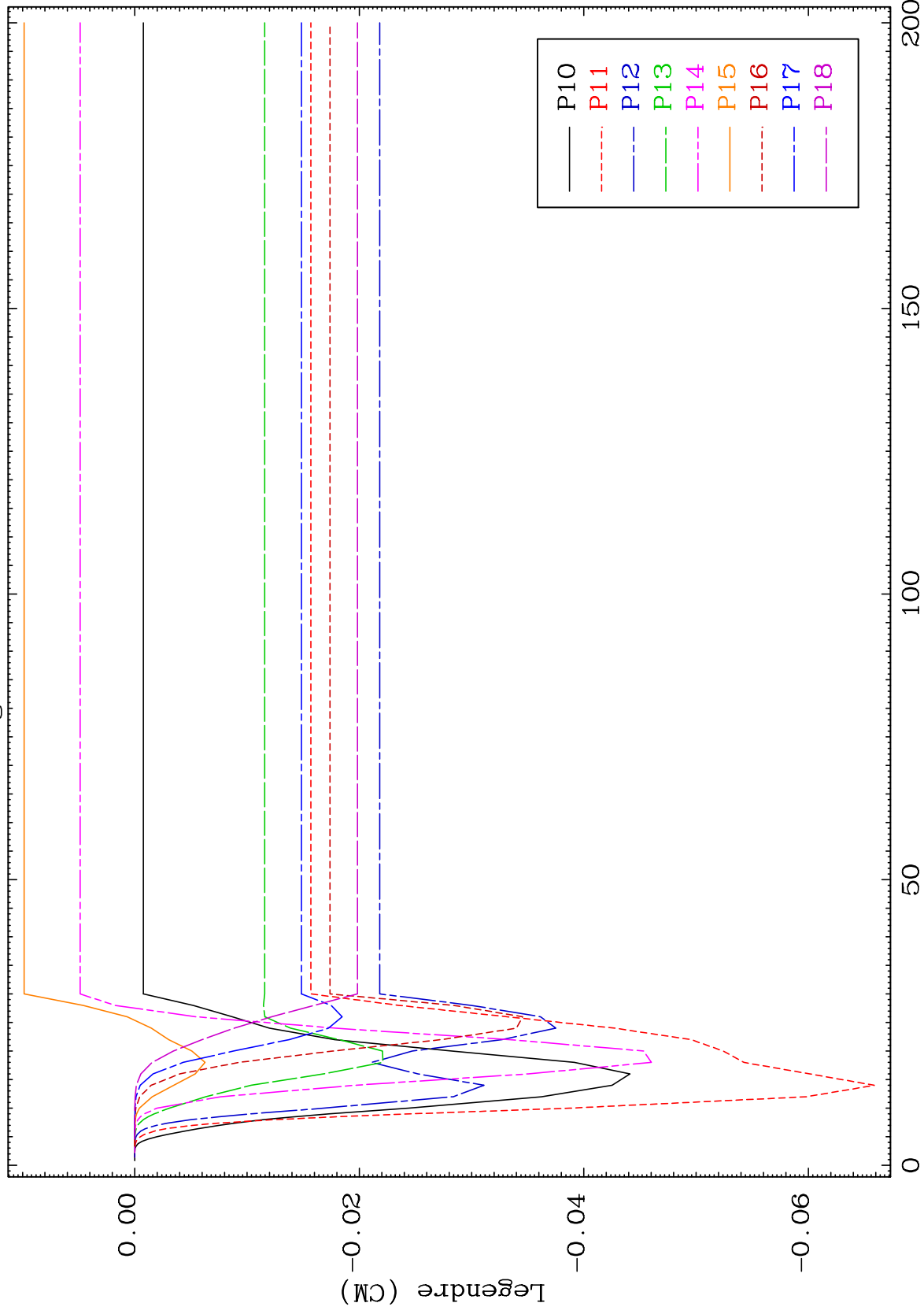
Incident Energy (MeV)

51-Sb-126

MAT 5140

524.9 keV (n,n') Level  
Legendre Coefficients

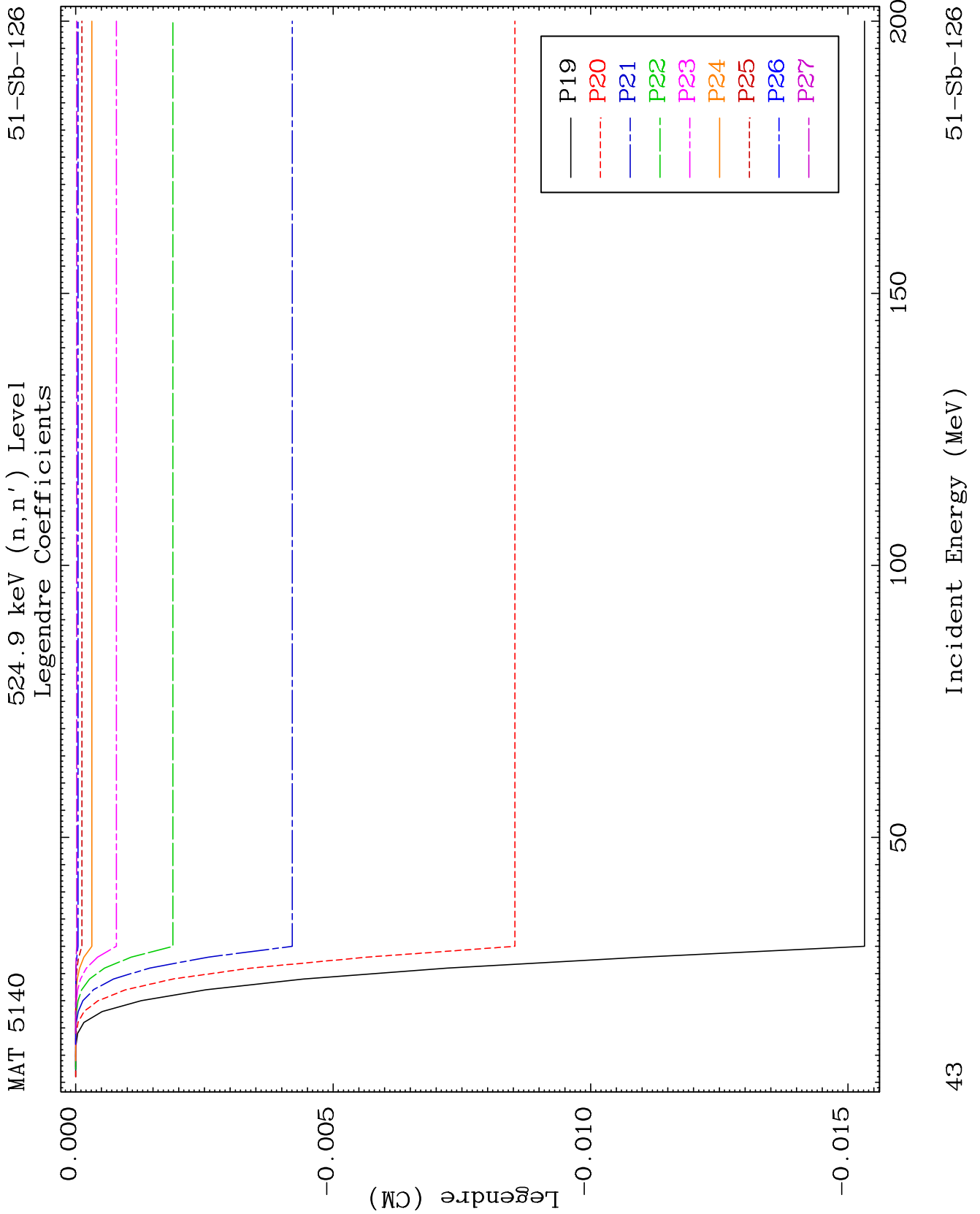
51-Sb-126

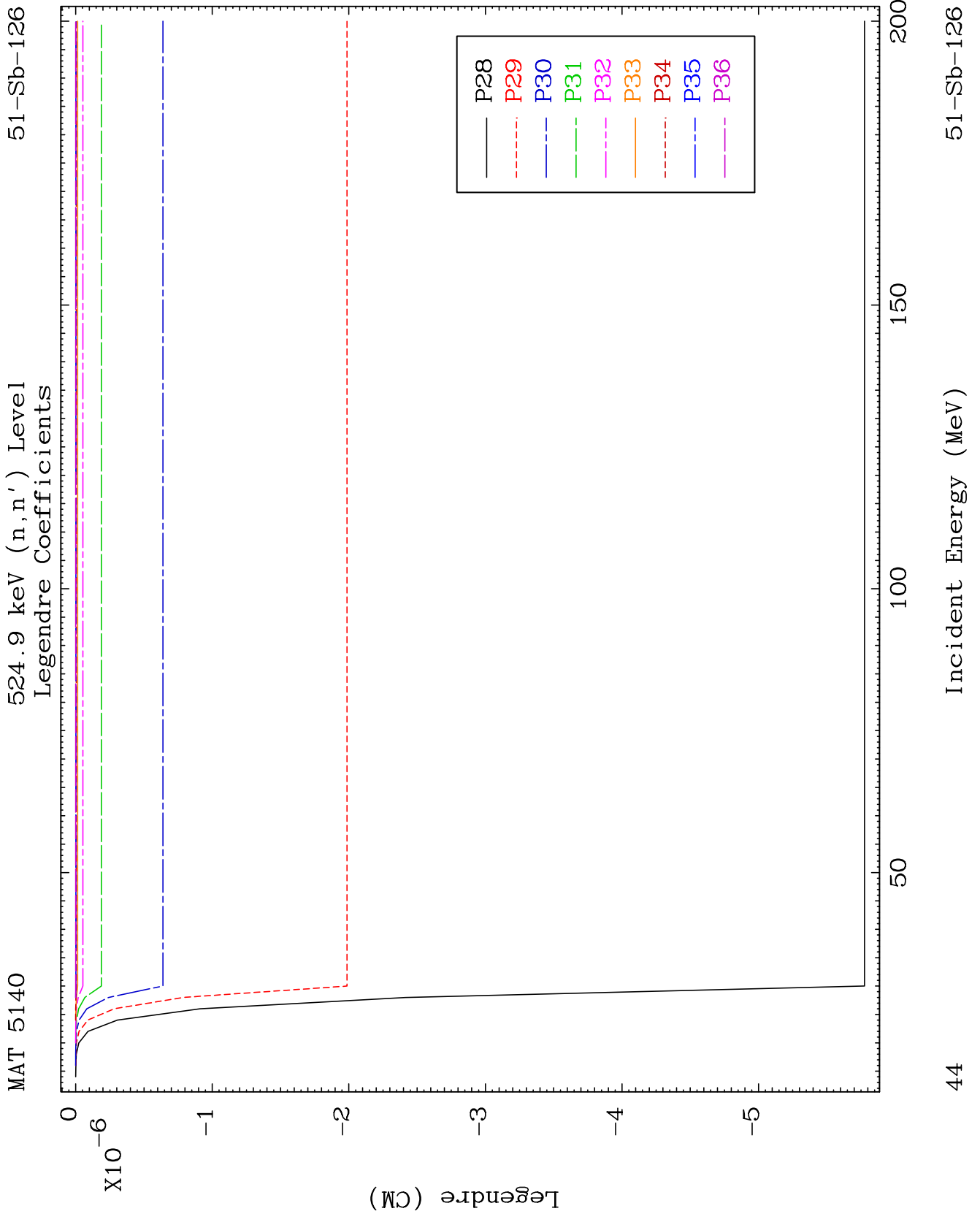


42

Incident Energy (MeV)

51-Sb-126

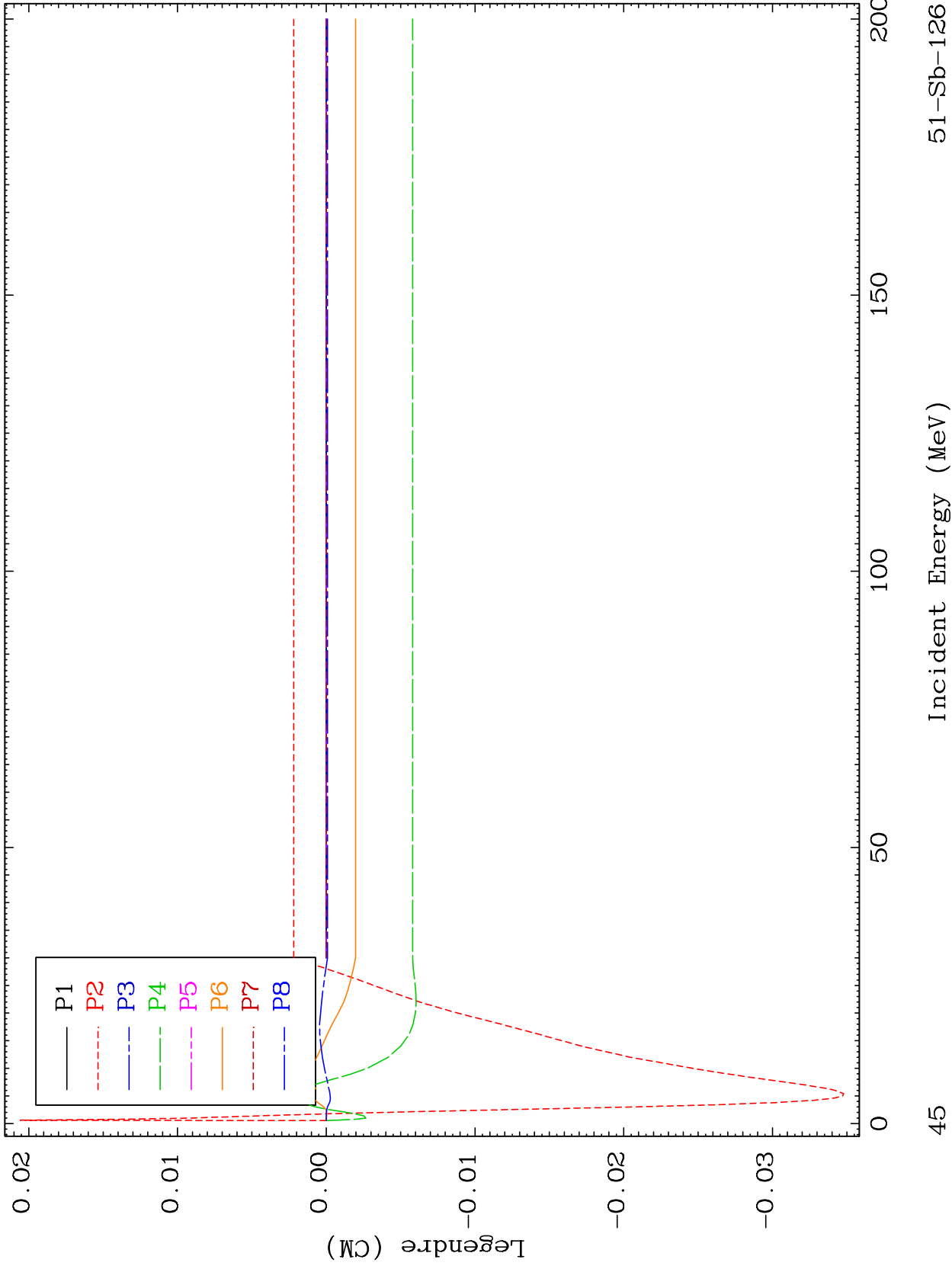




MAT 5140

526.9 keV (n,n') Level  
Legendre Coefficients

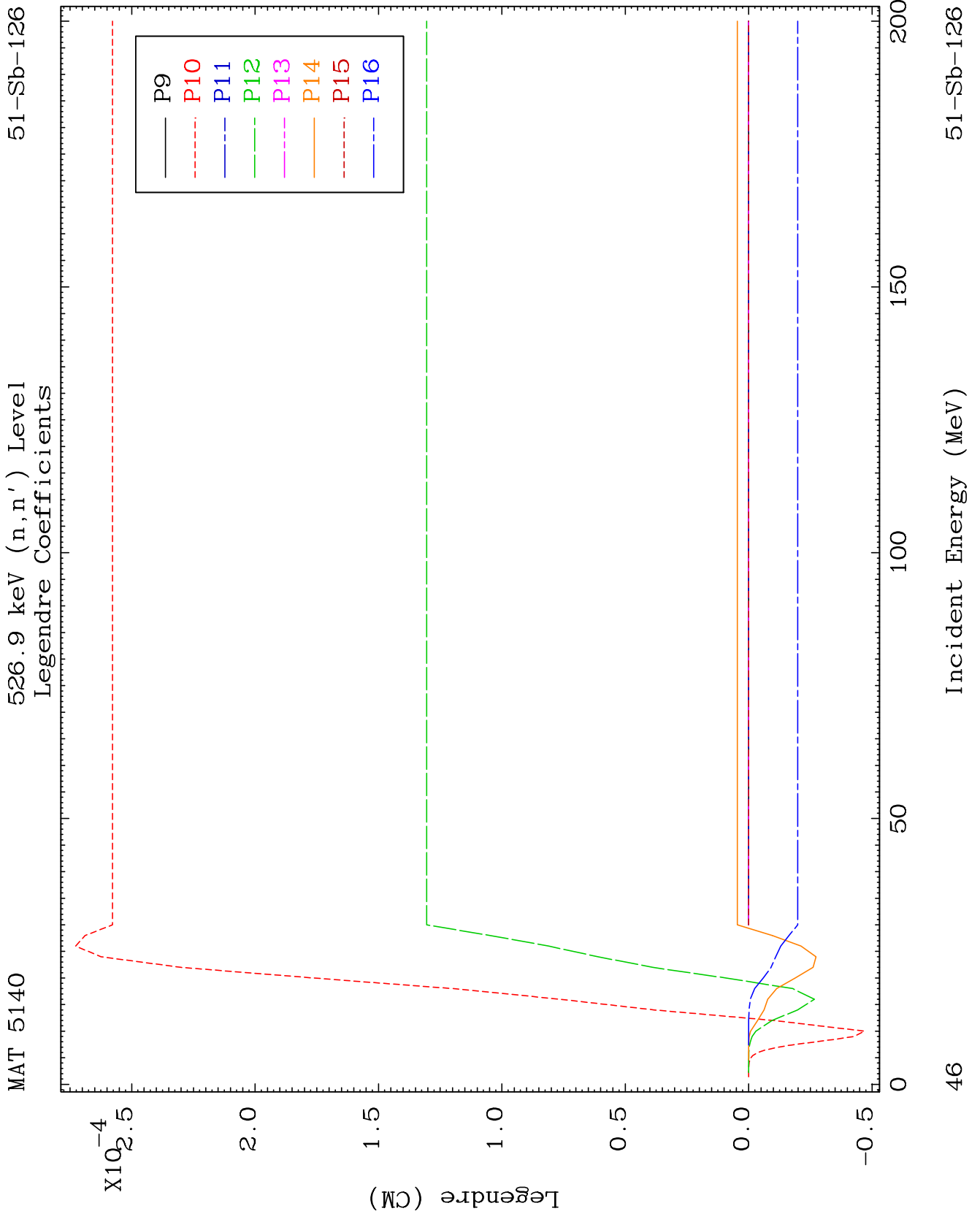
51-Sb-126

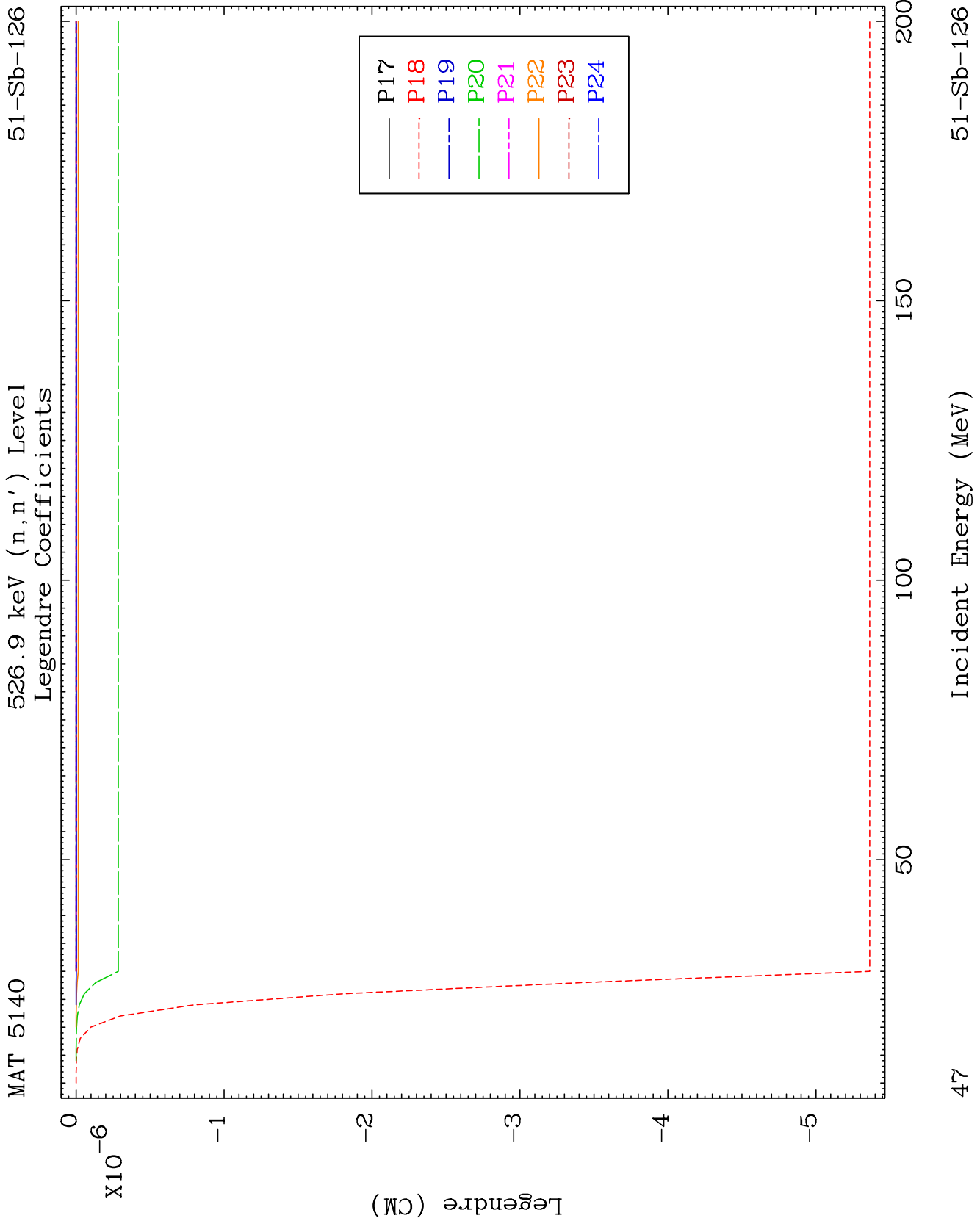


51-Sb-126

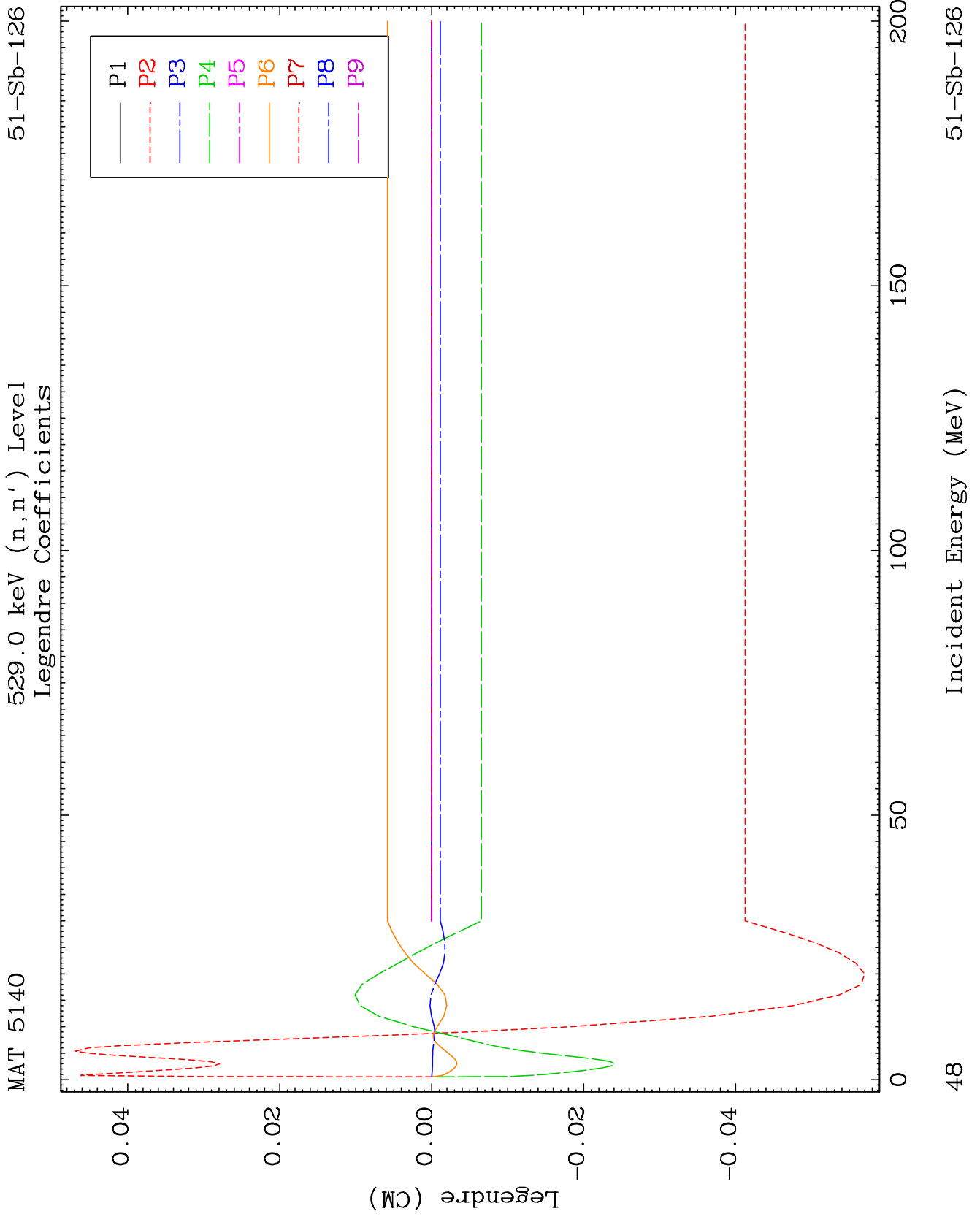
Incident Energy (MeV)

45





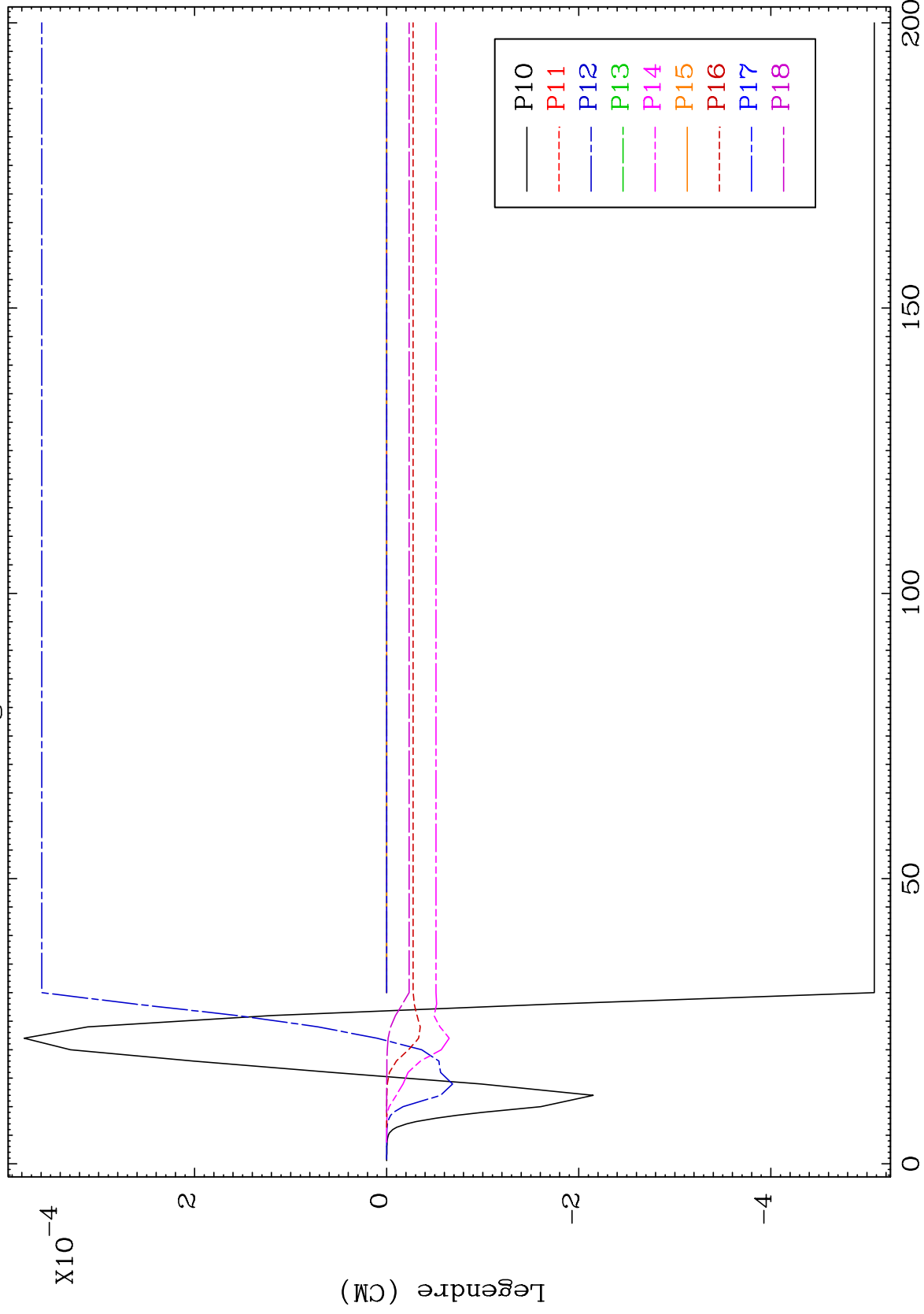




MAT 5140

529.0 keV (n,n') Level  
Legendre Coefficients

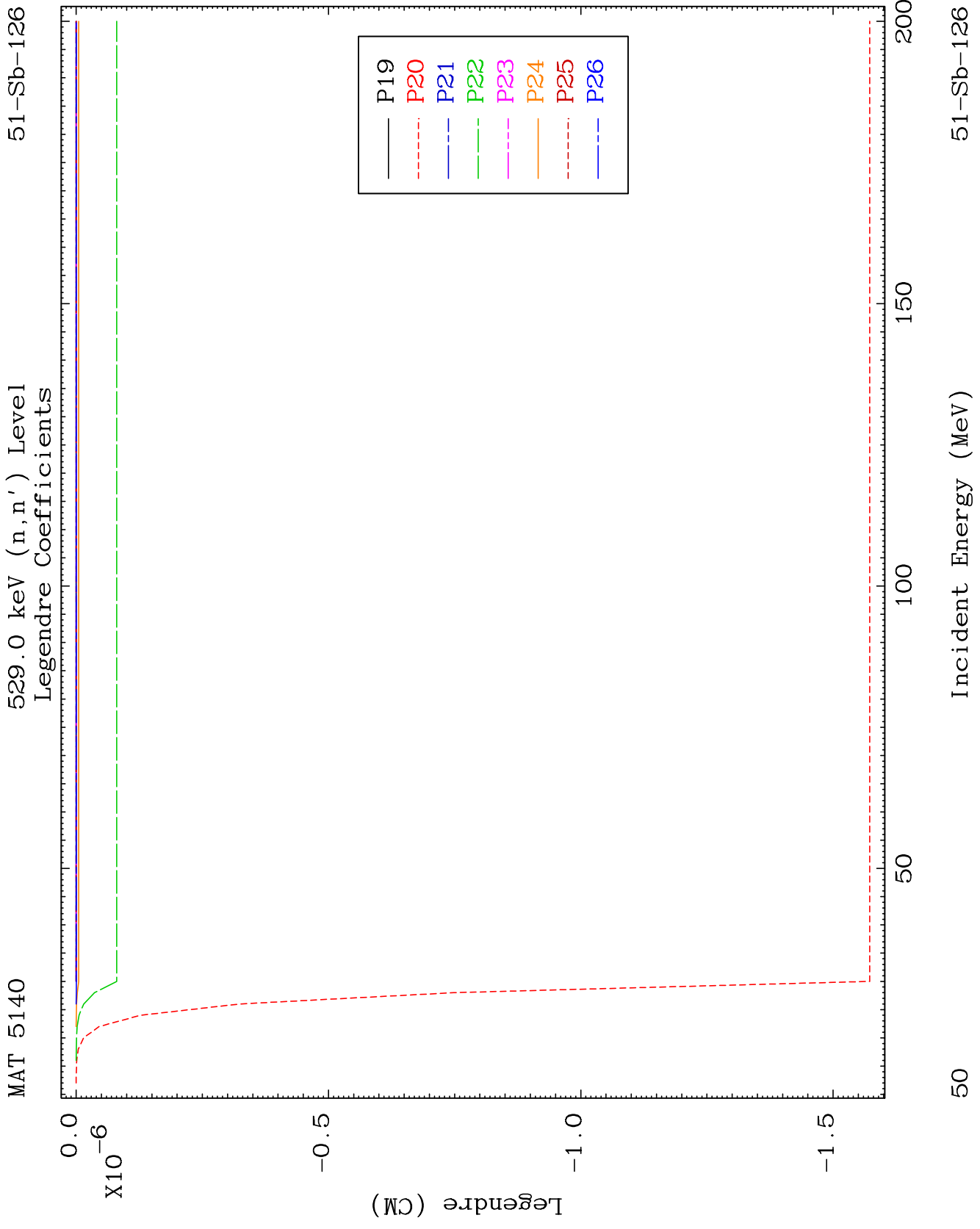
51-Sb-126



49

Incident Energy (MeV)

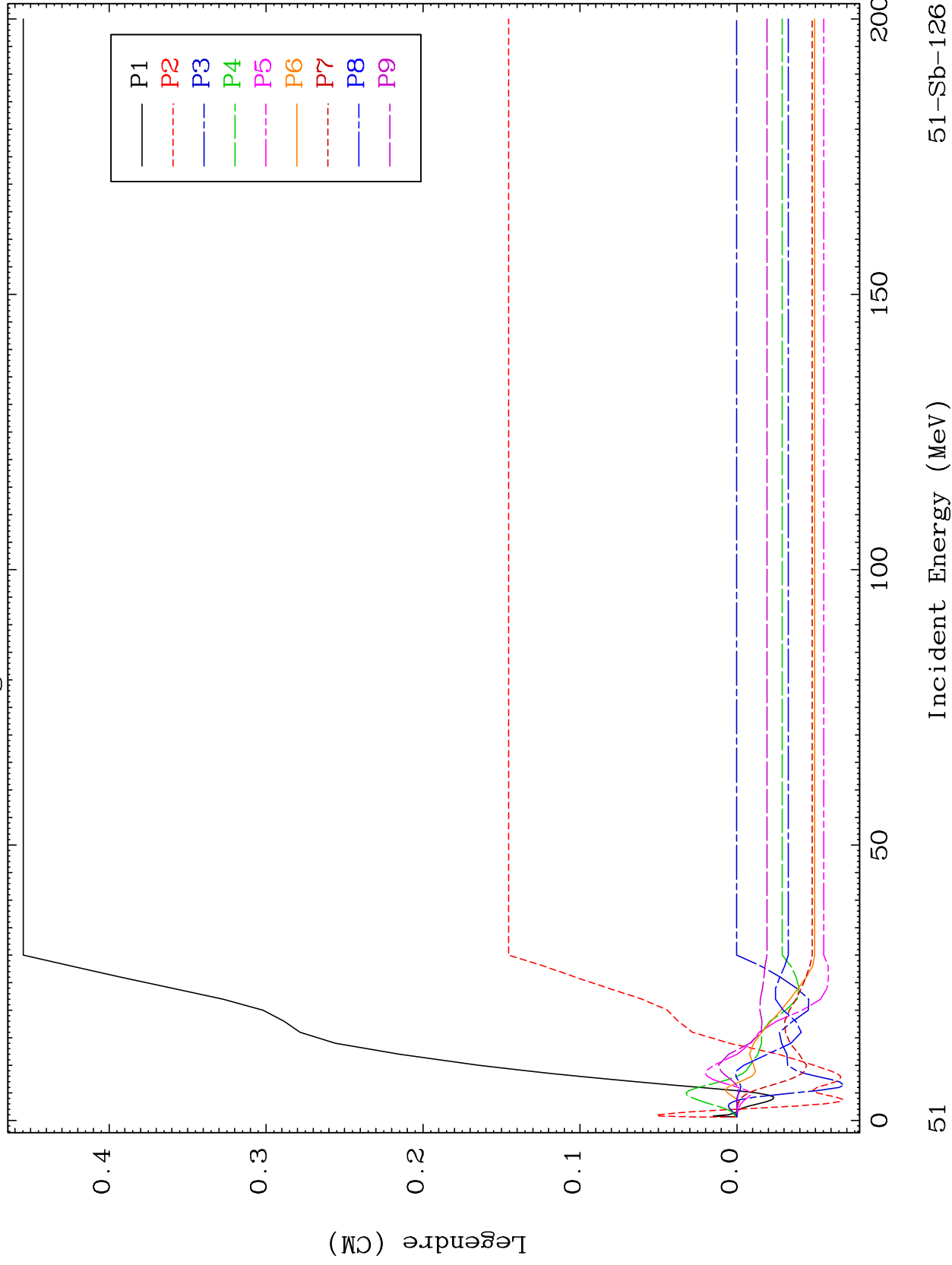
51-Sb-126



MAT 5140

592.4 keV (n,n') Level  
Legendre Coefficients

51-Sb-126



51-Sb-126

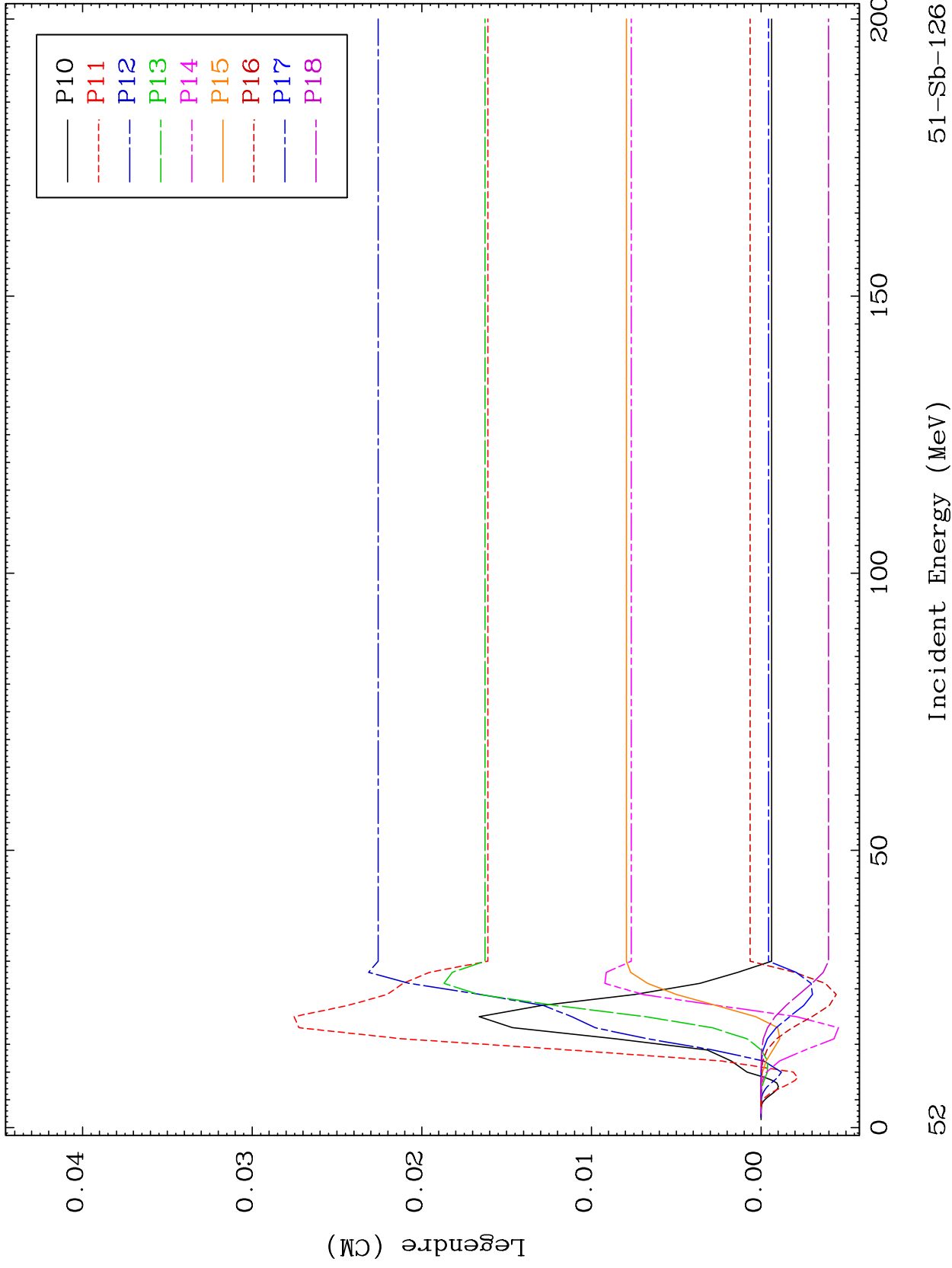
Incident Energy (MeV)

51

MAT 5140

592.4 keV (n,n') Level  
Legendre Coefficients

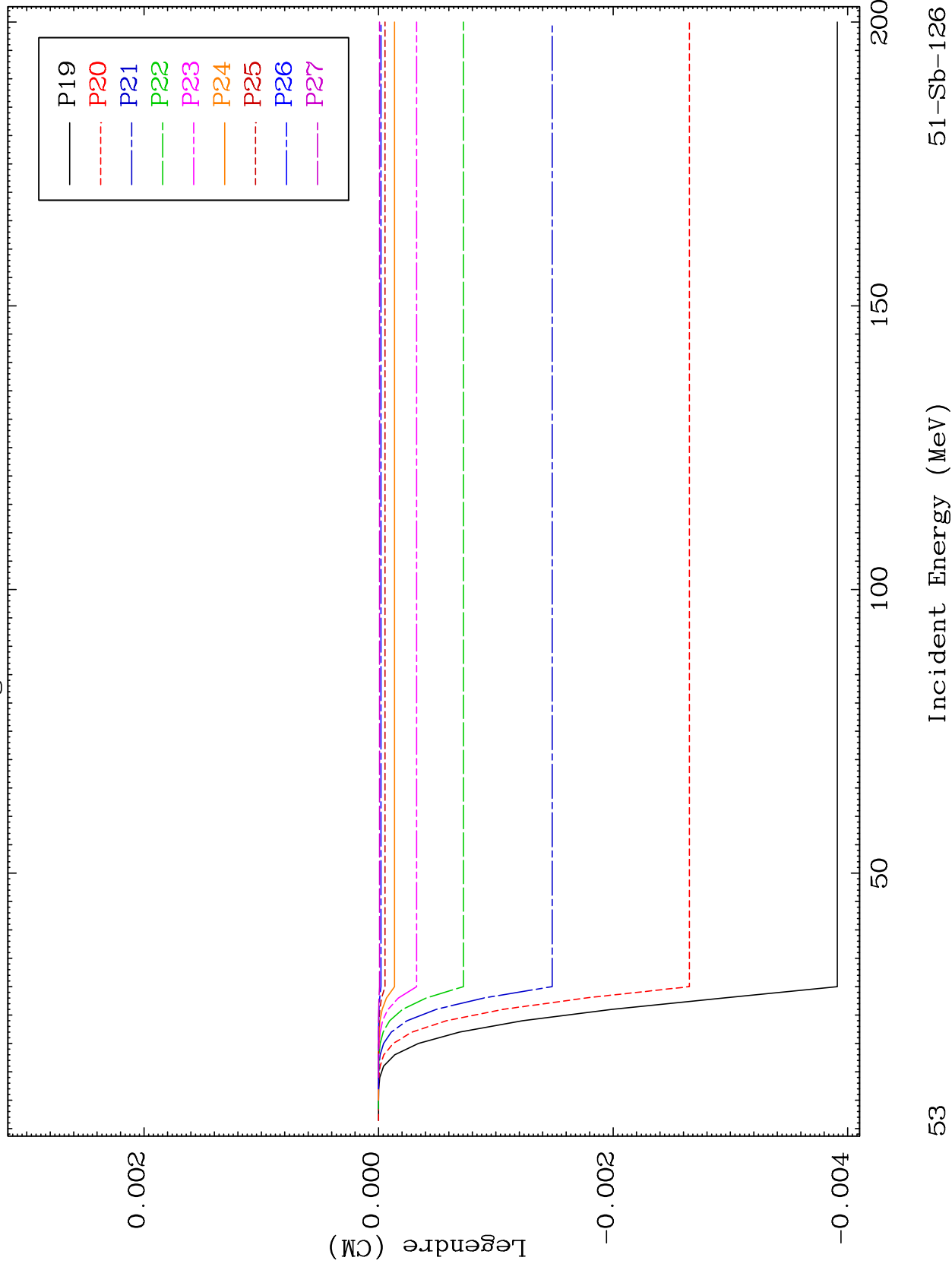
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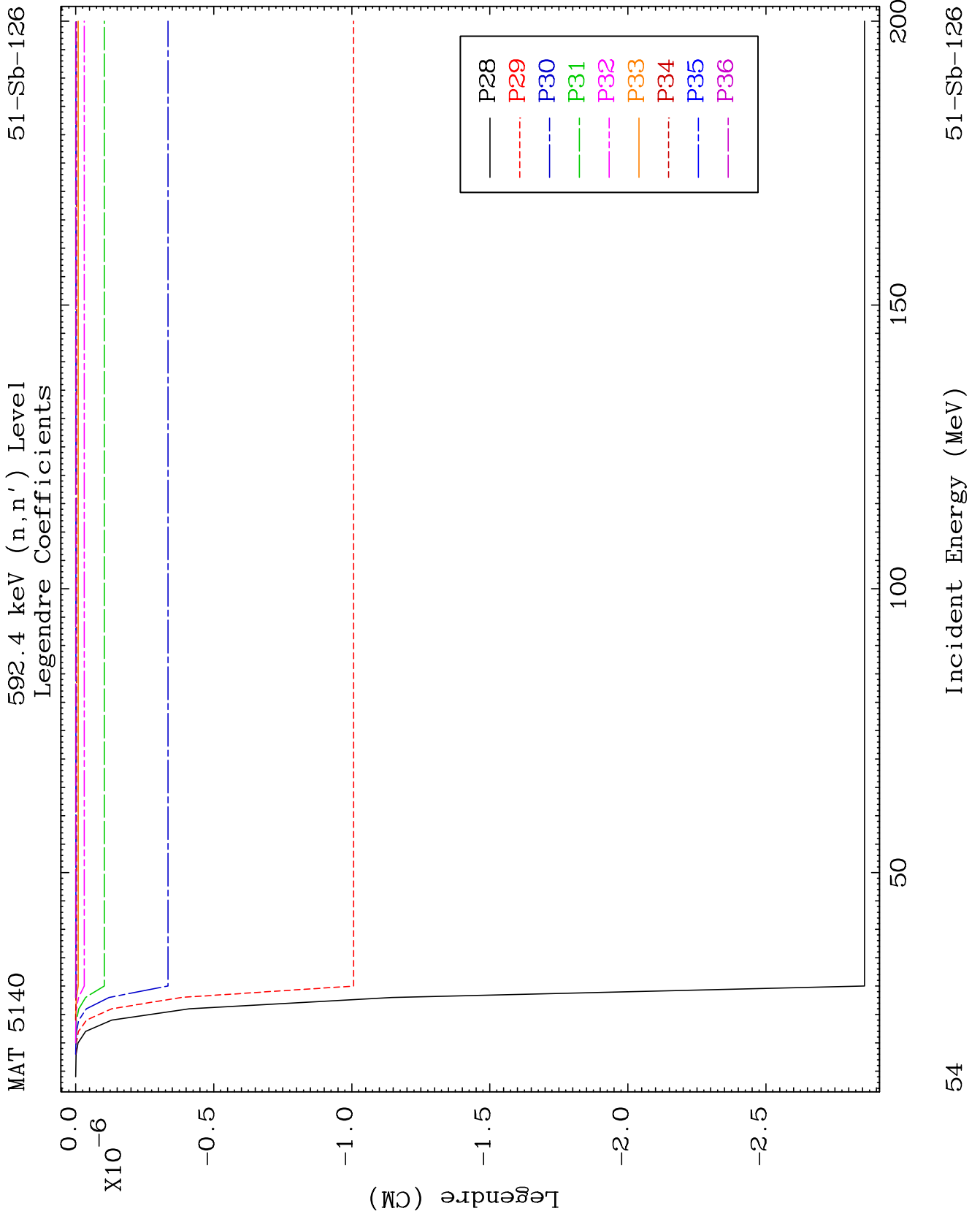


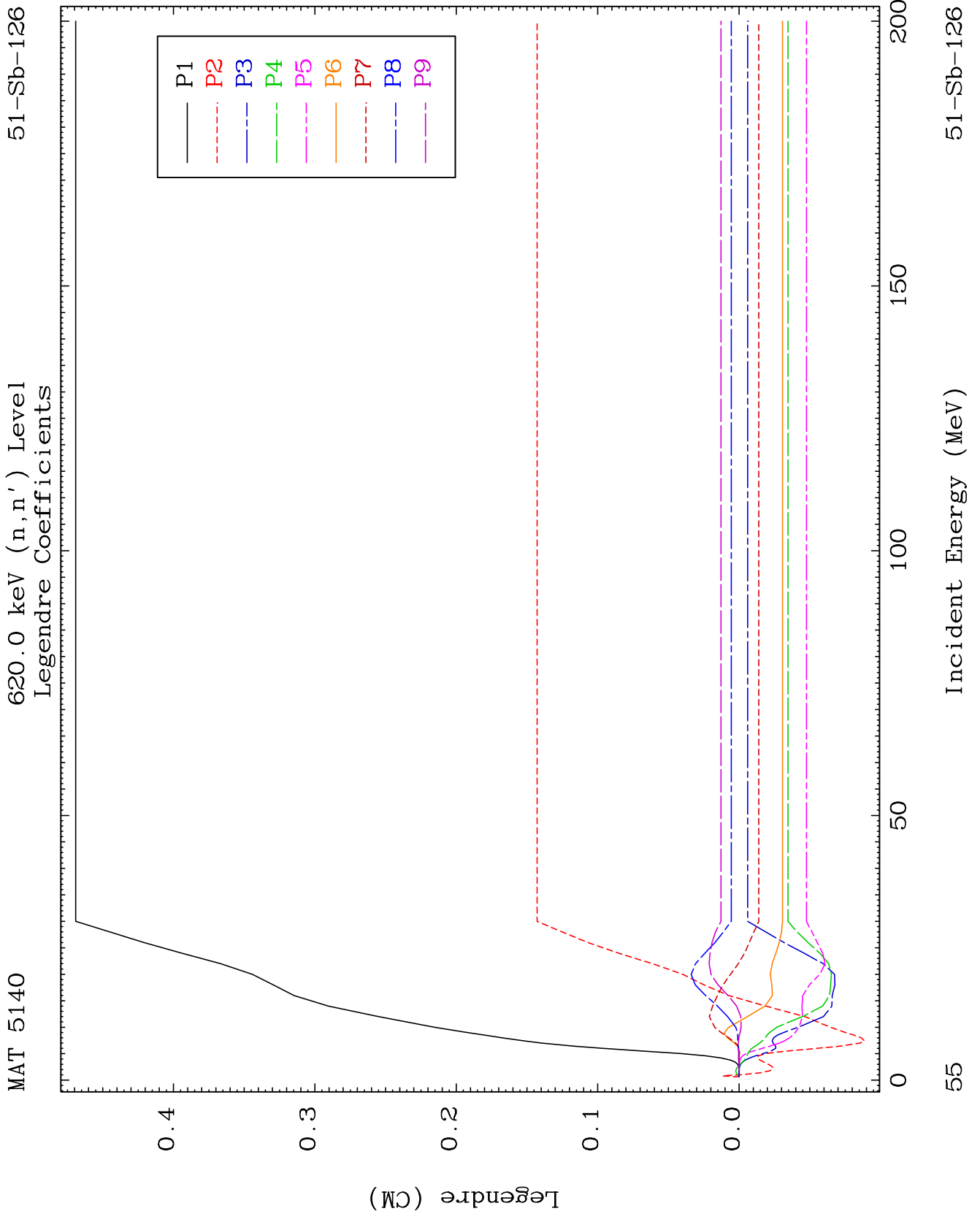
51-Sb-126

Incident Energy (MeV)

52





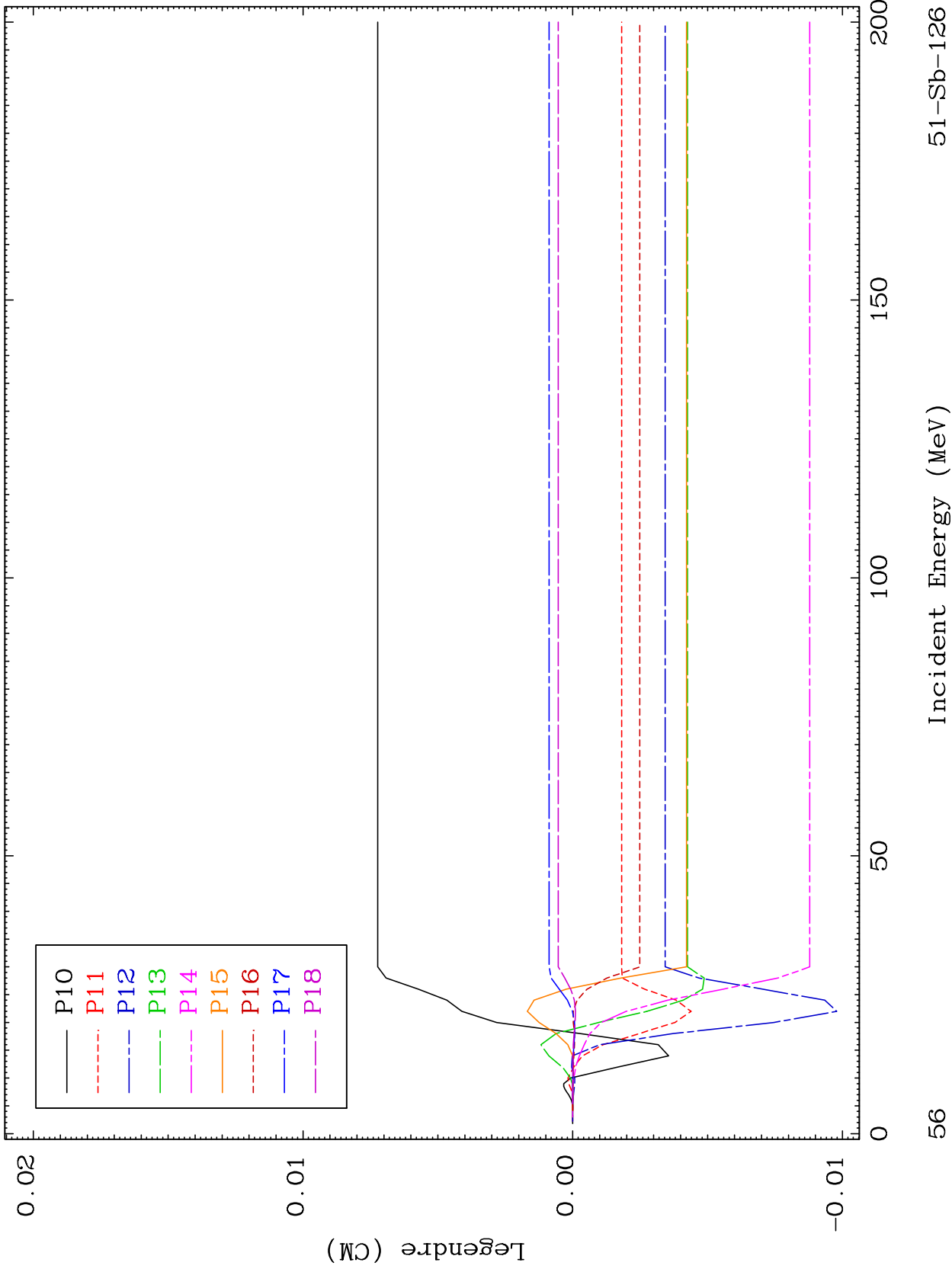




MAT 5140

620.0 keV (n,n') Level  
Legendre Coefficients

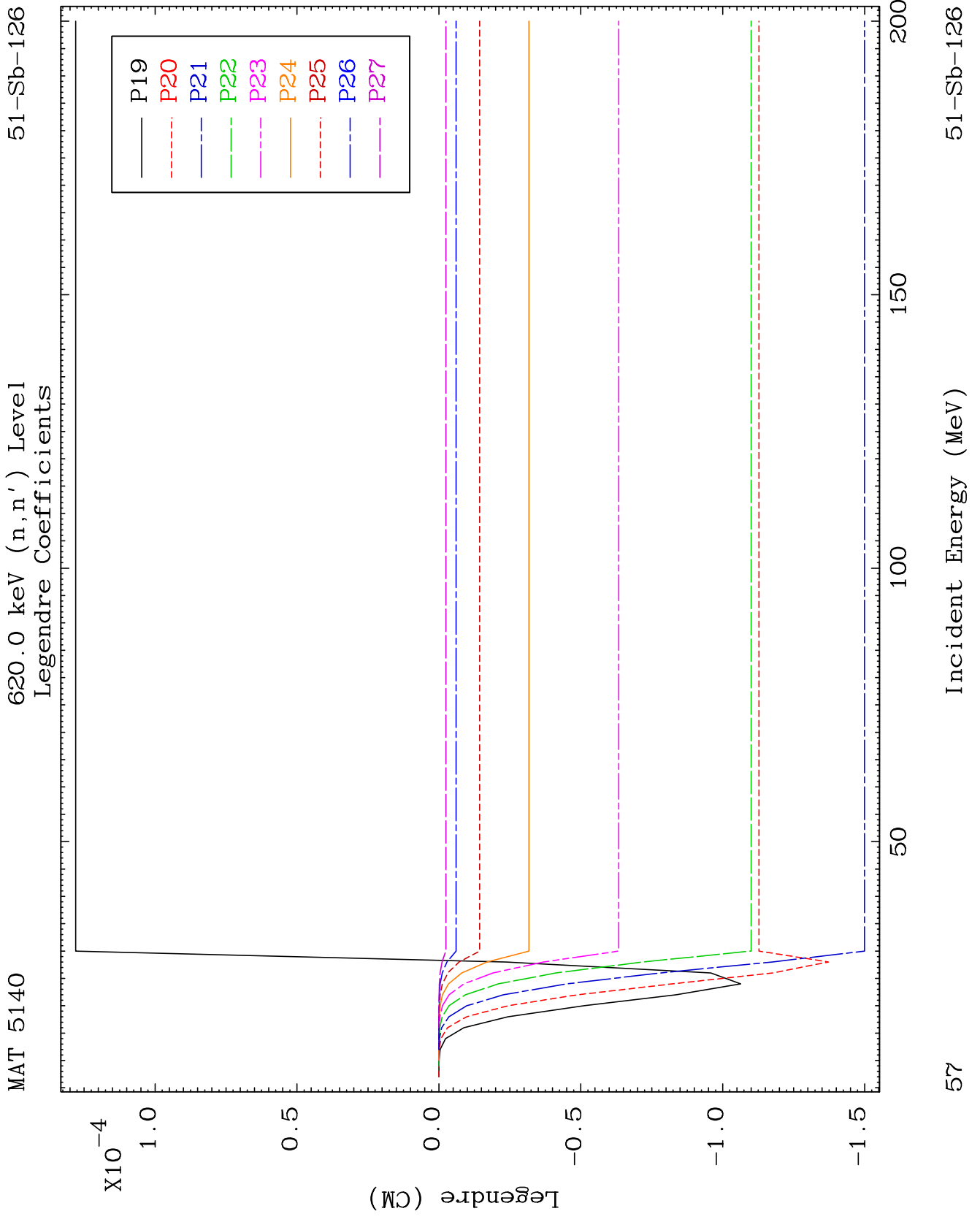
51-Sb-126

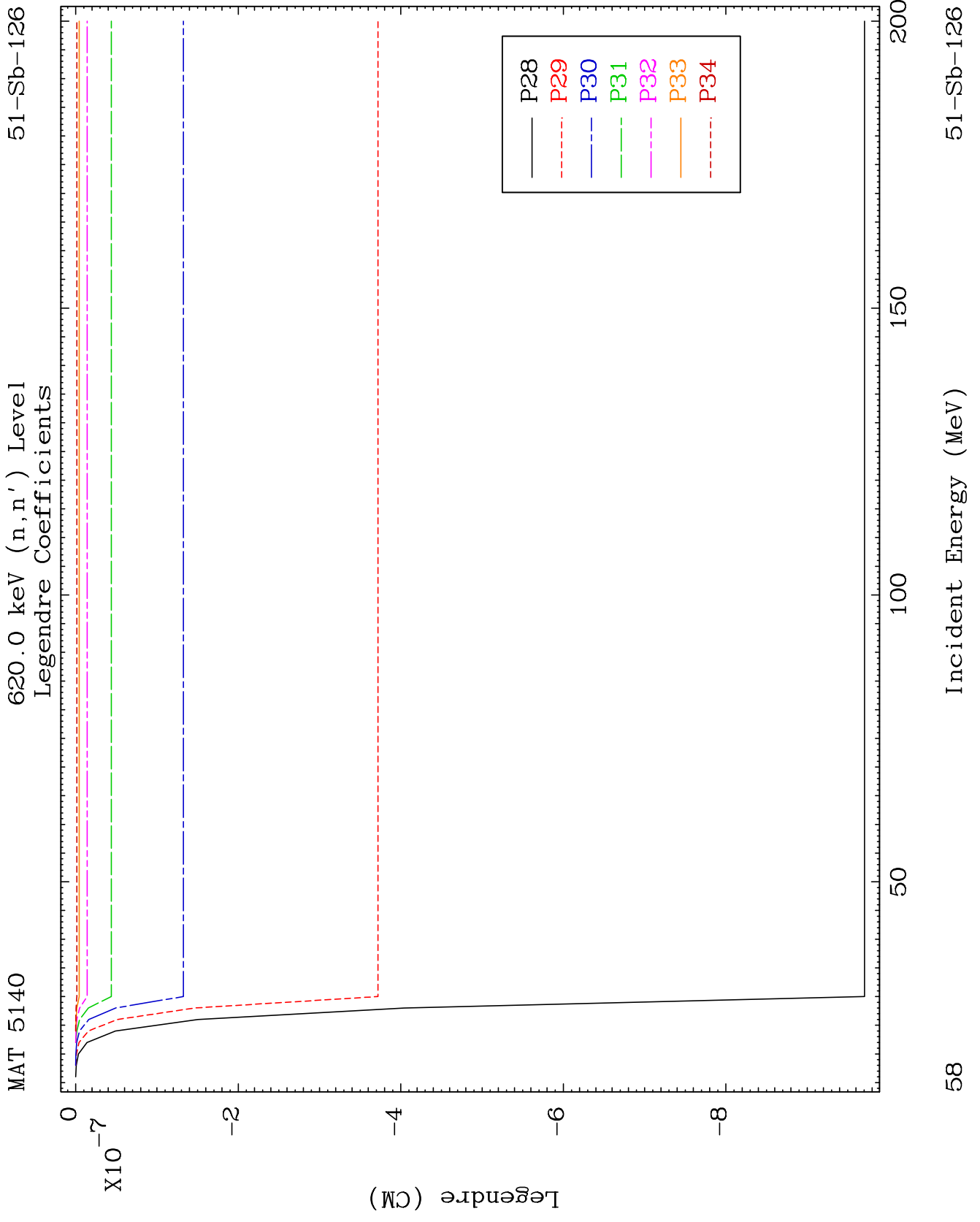


51-Sb-126

Incident Energy (MeV)

56

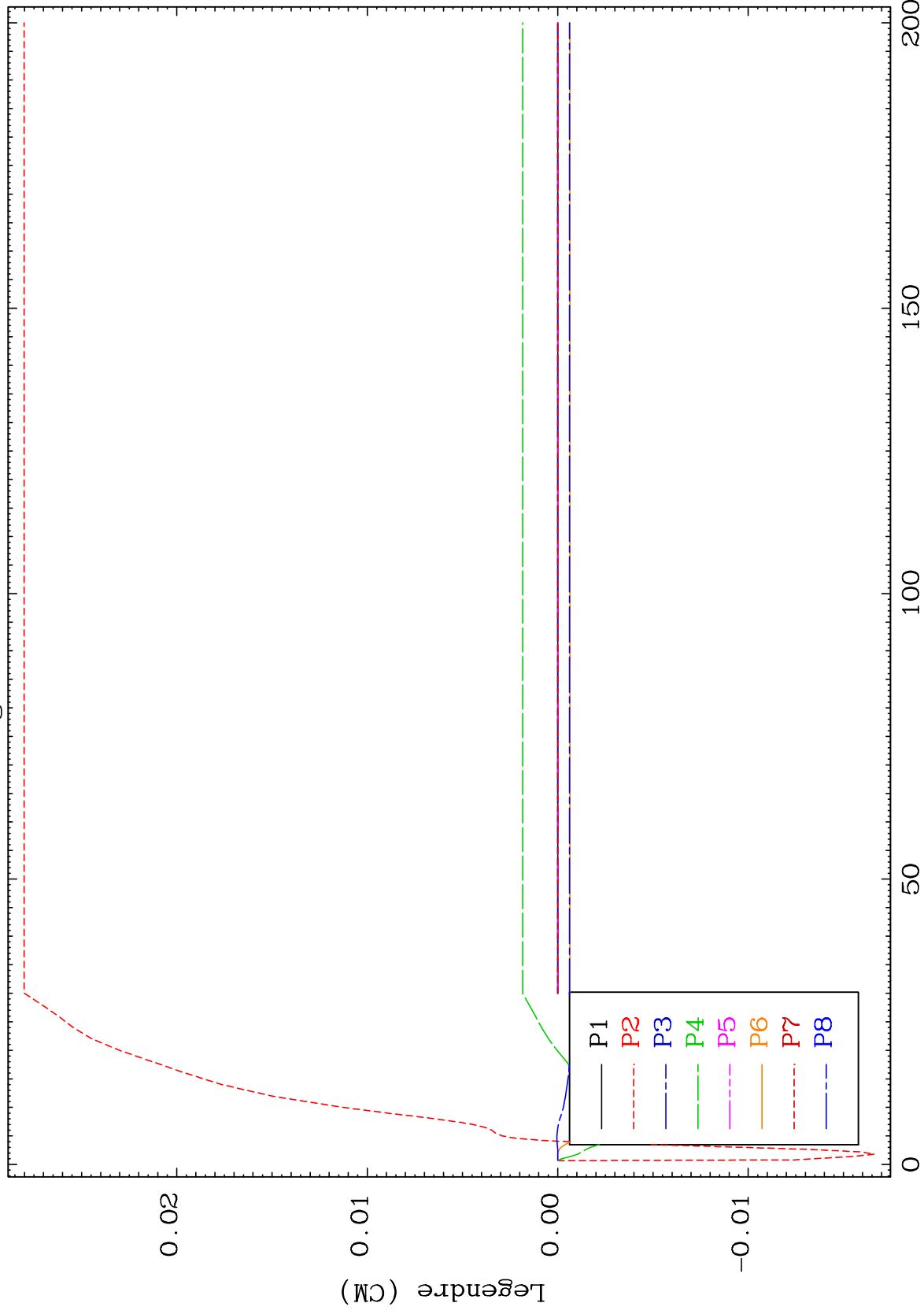




MAT 5140

654.5 keV (n,n') Level  
Legendre Coefficients

51-Sb-126

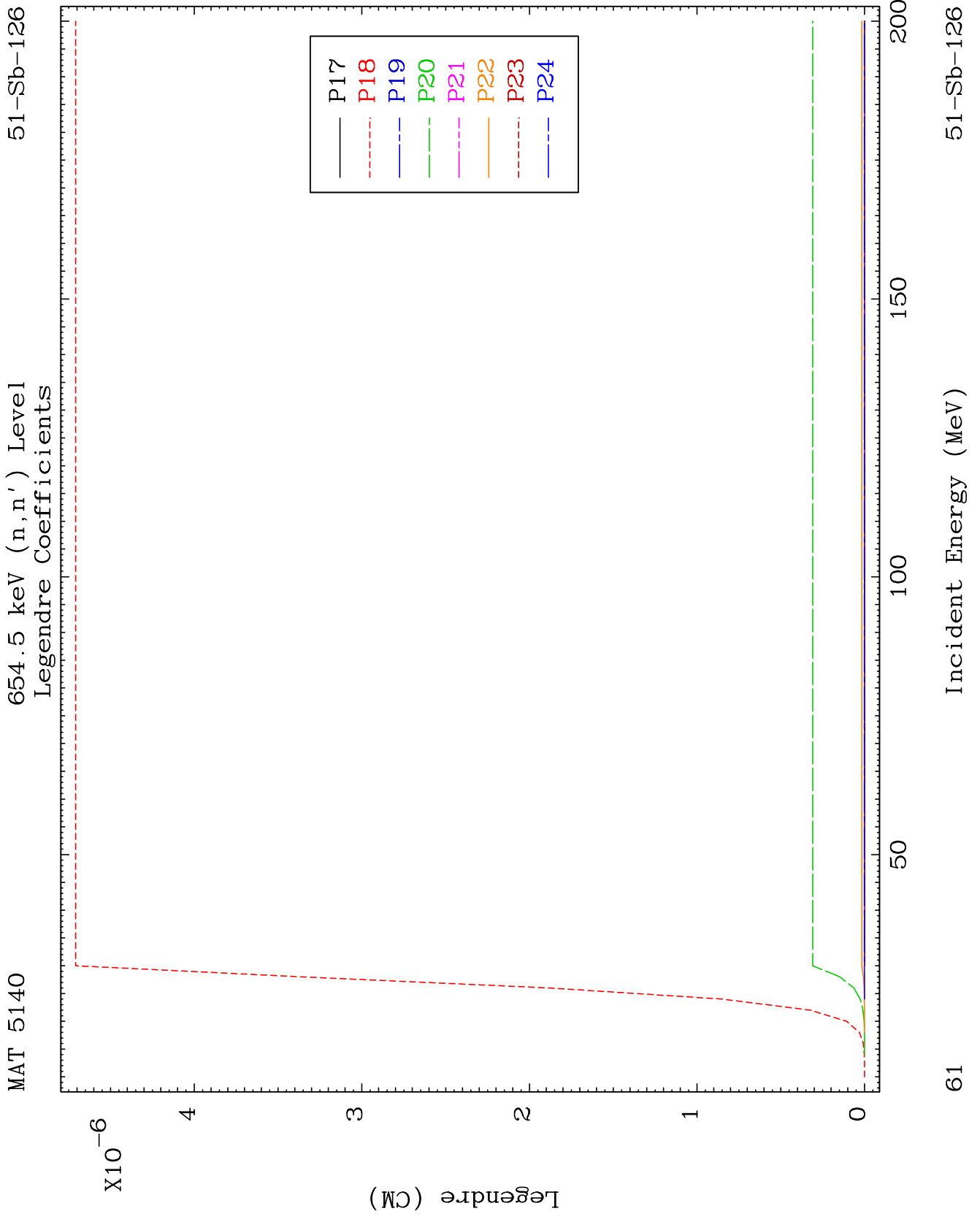


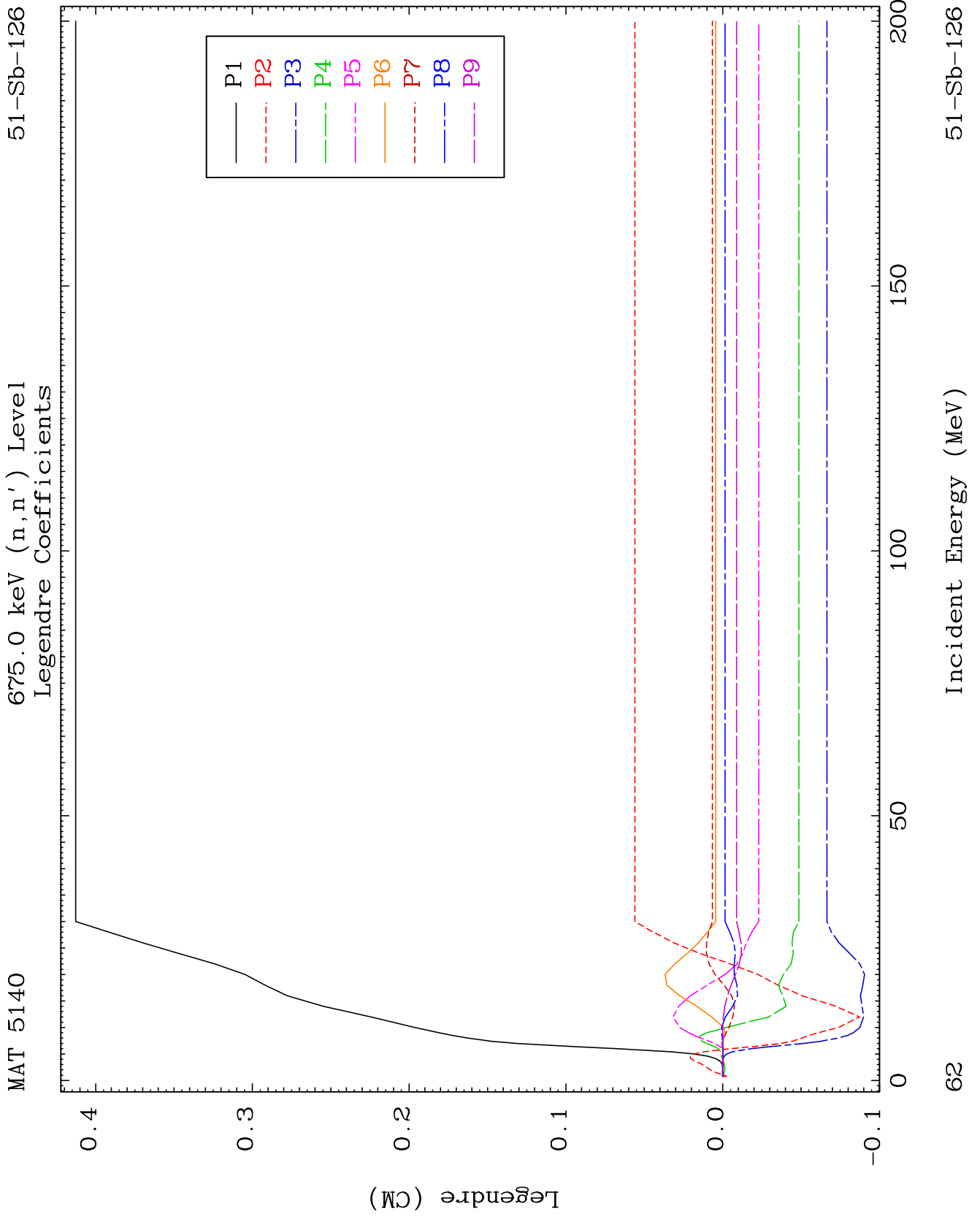
59

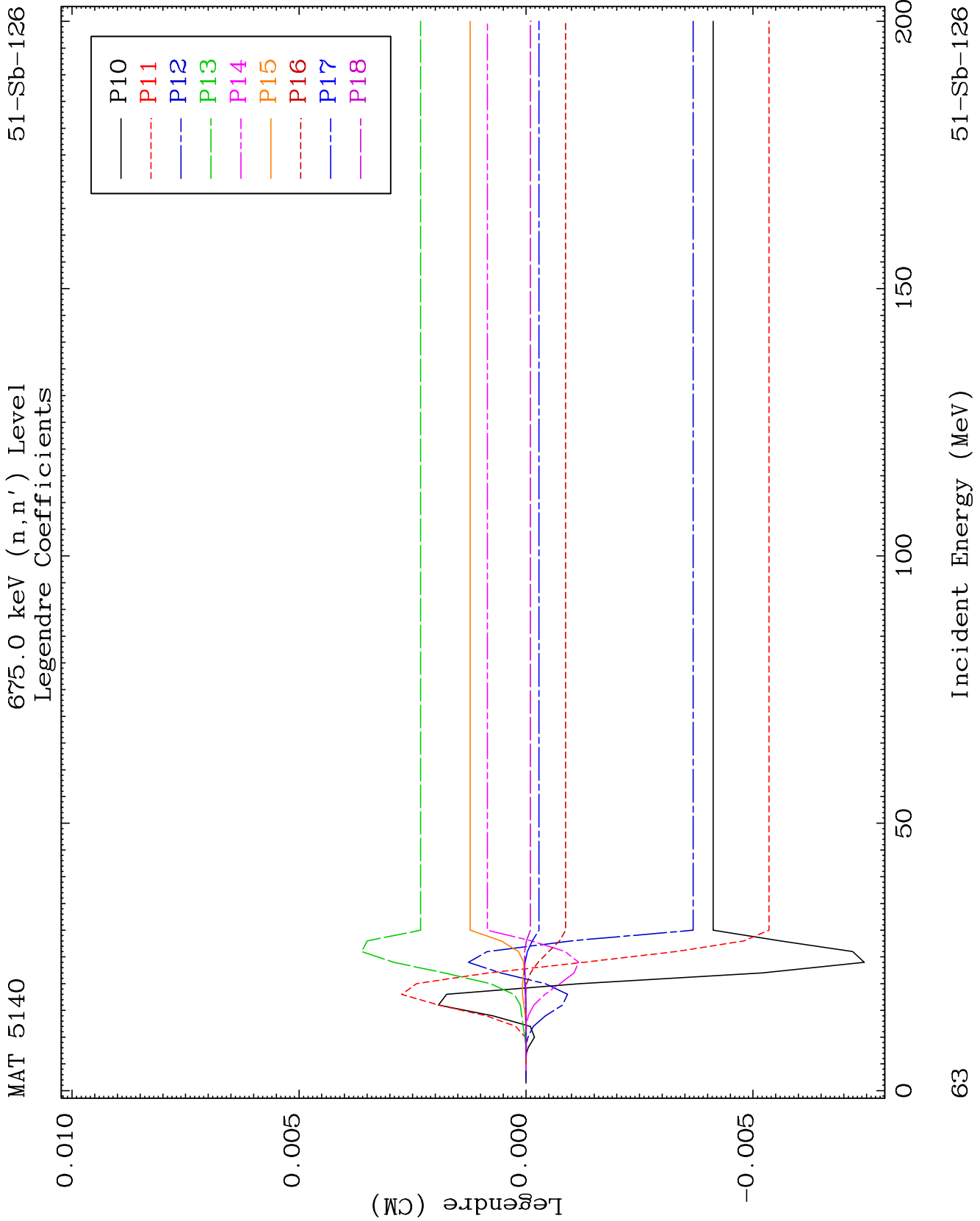
Incident Energy (MeV)

51-Sb-126

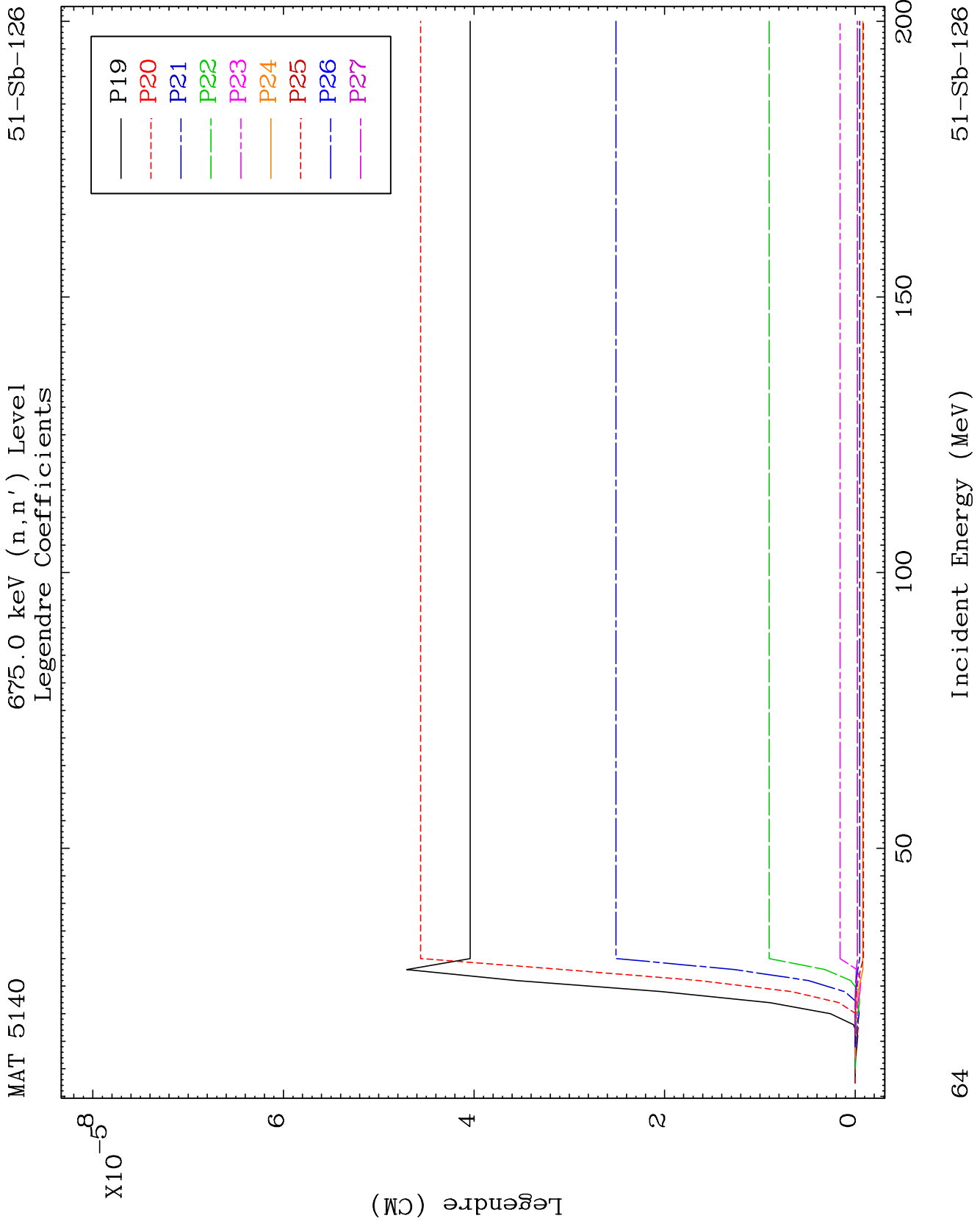


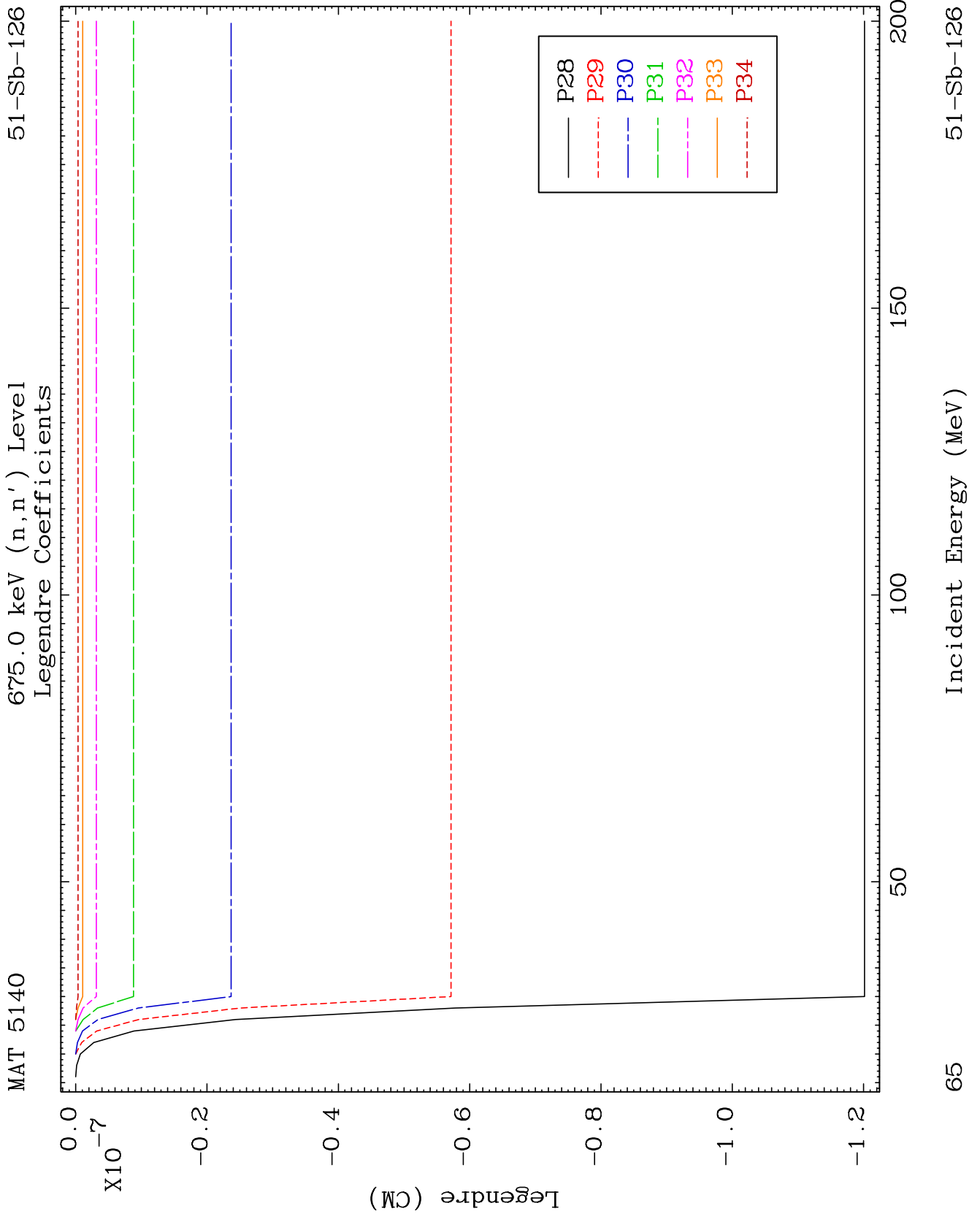










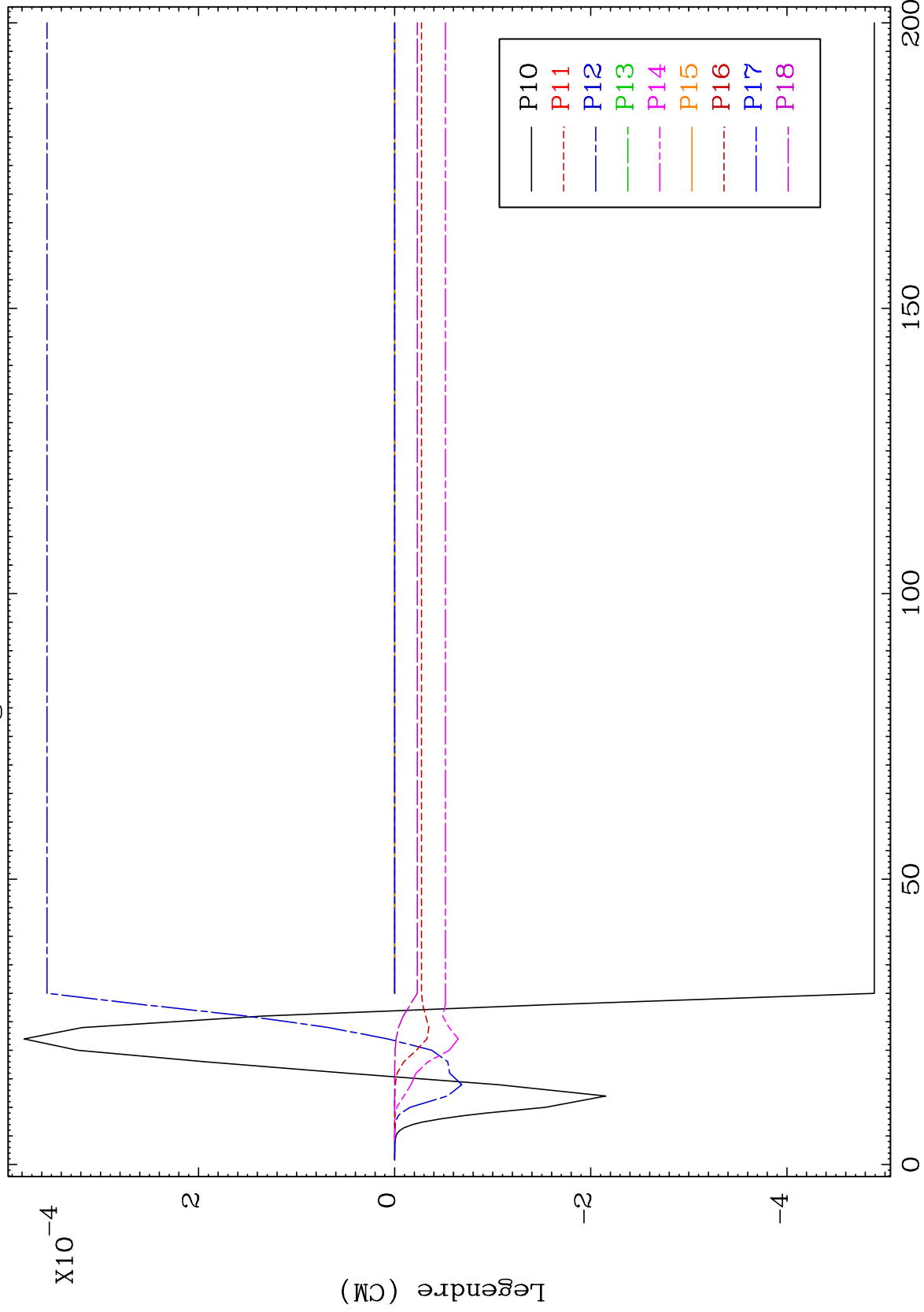




MAT 5140

725.4 keV (n,n') Level  
Legendre Coefficients

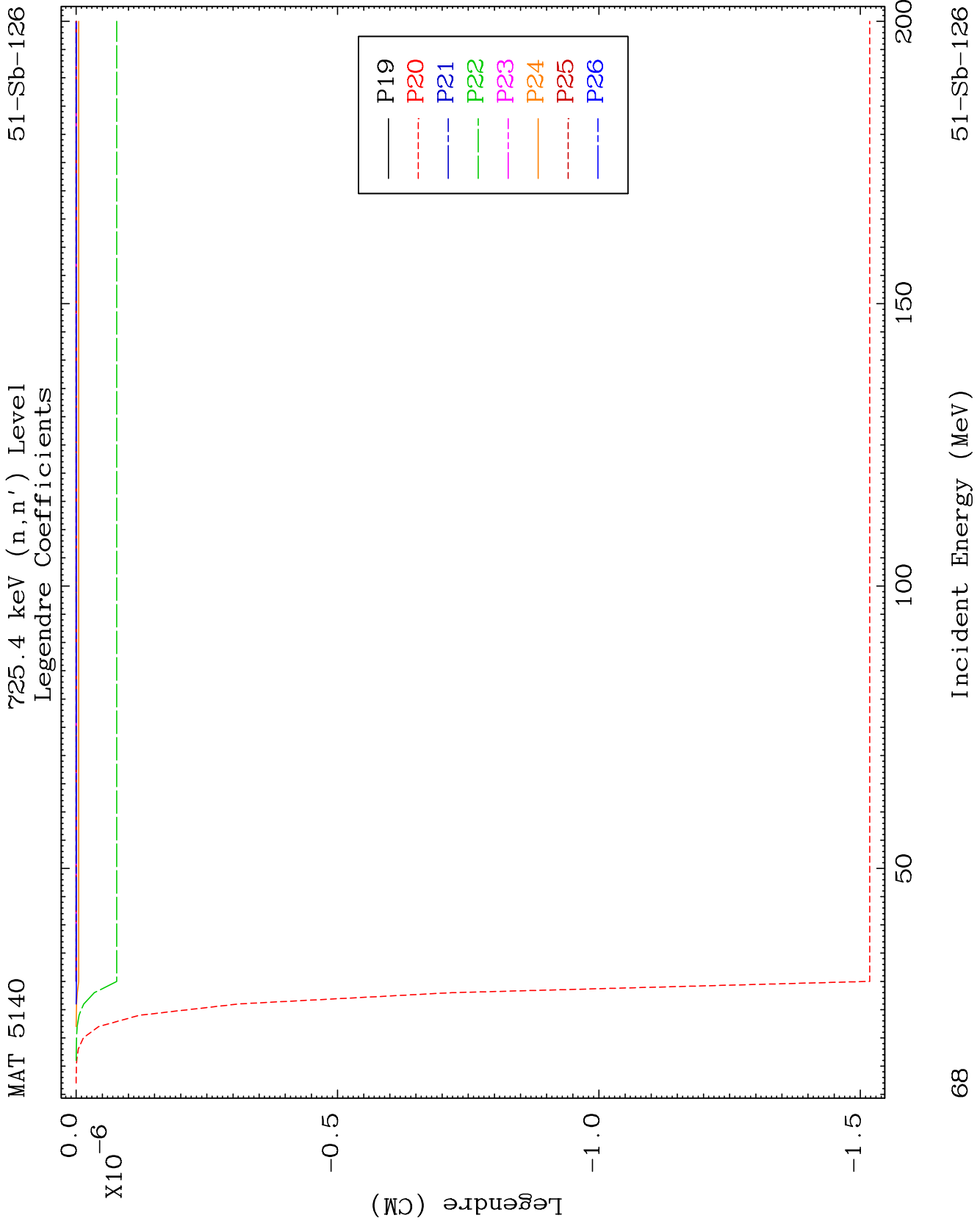
51-Sb-126



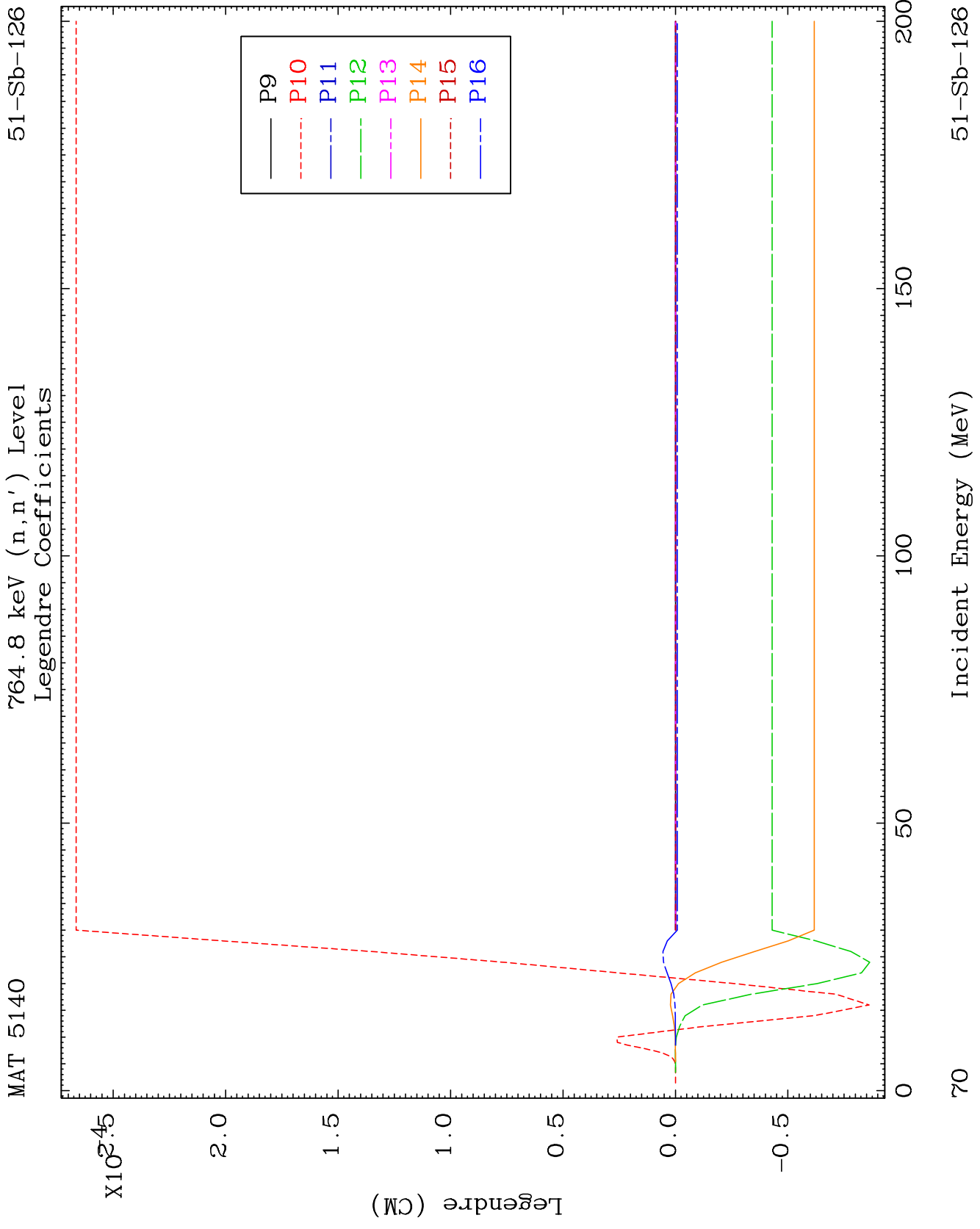
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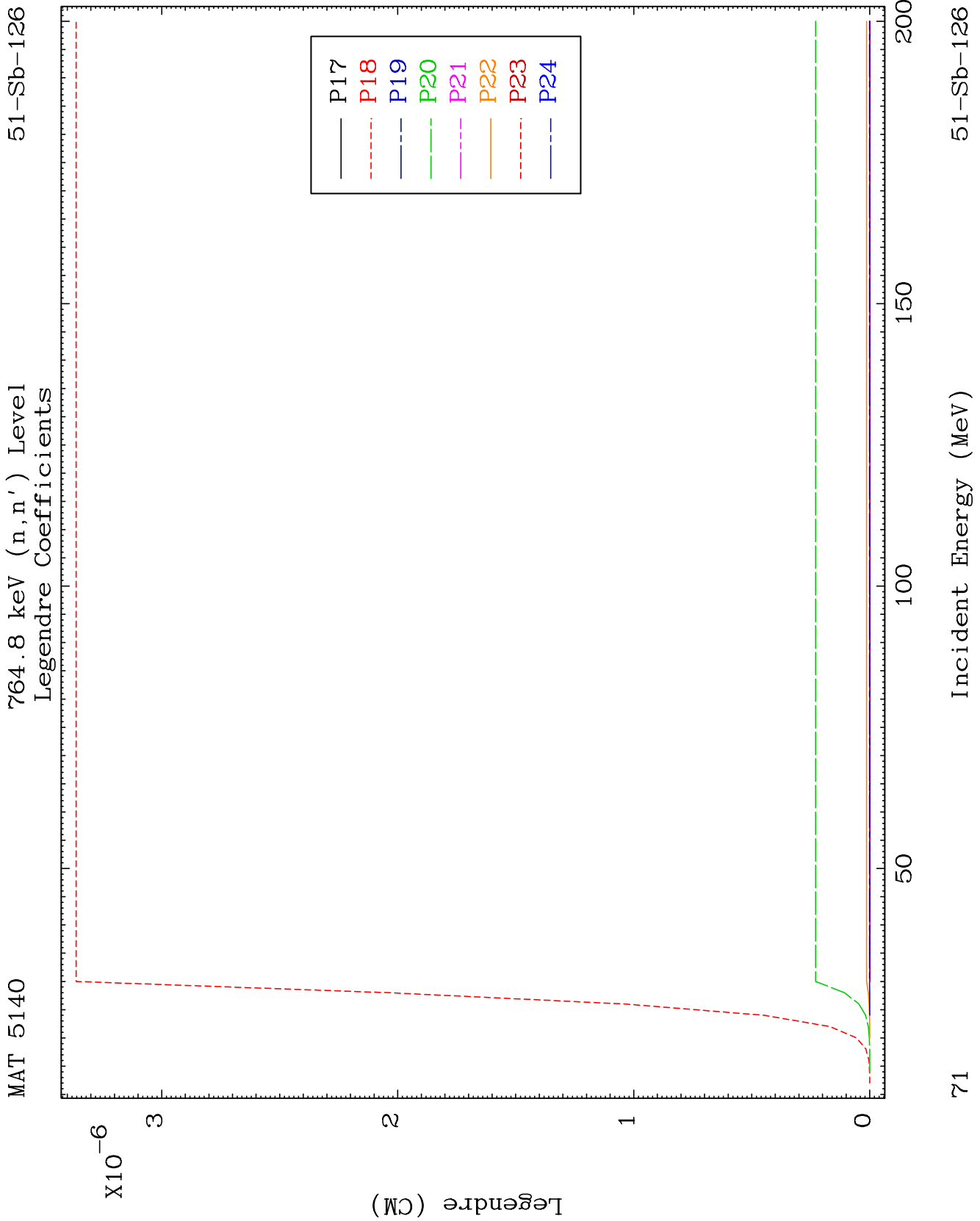
Incident Energy (MeV)

51-Sb-126

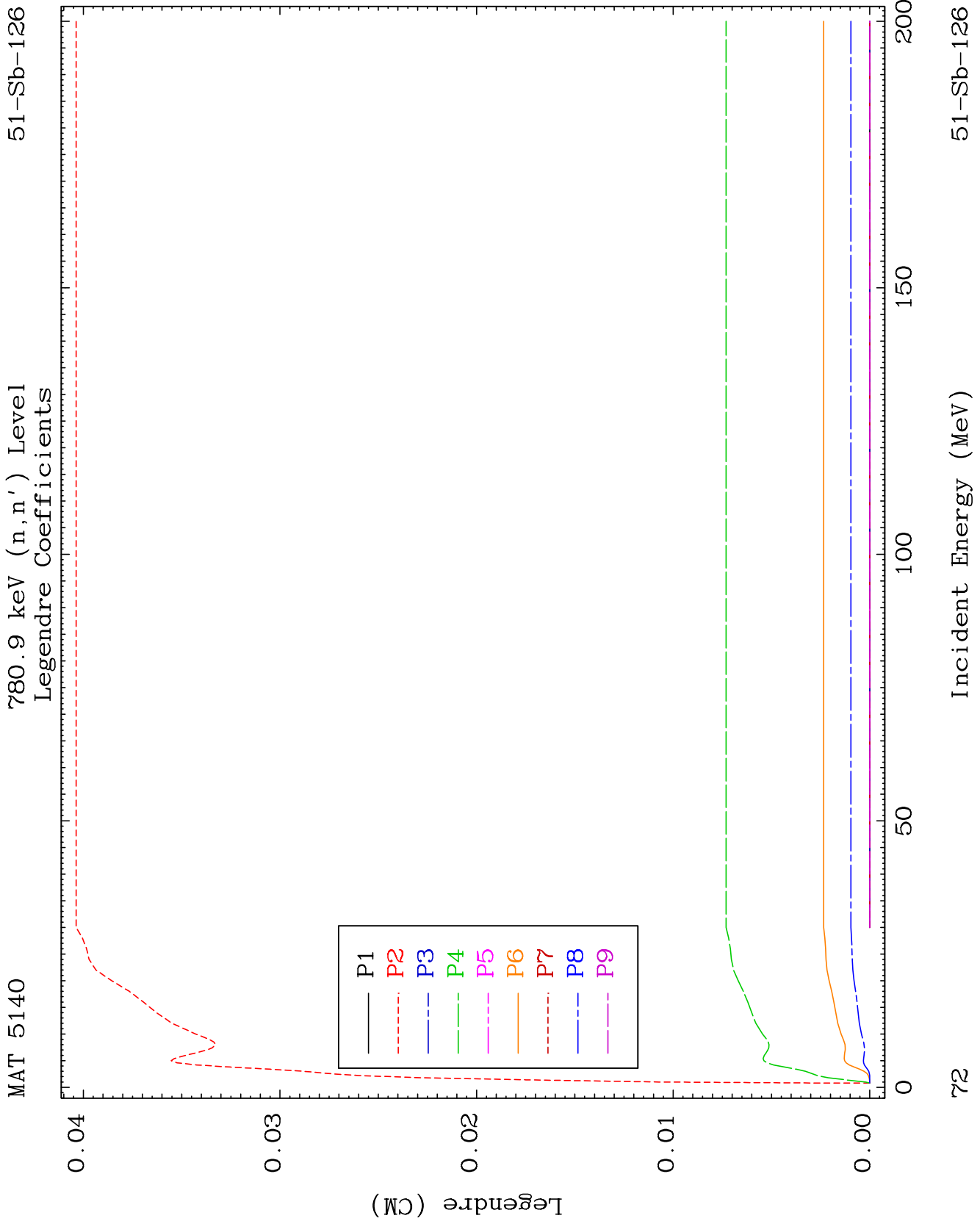


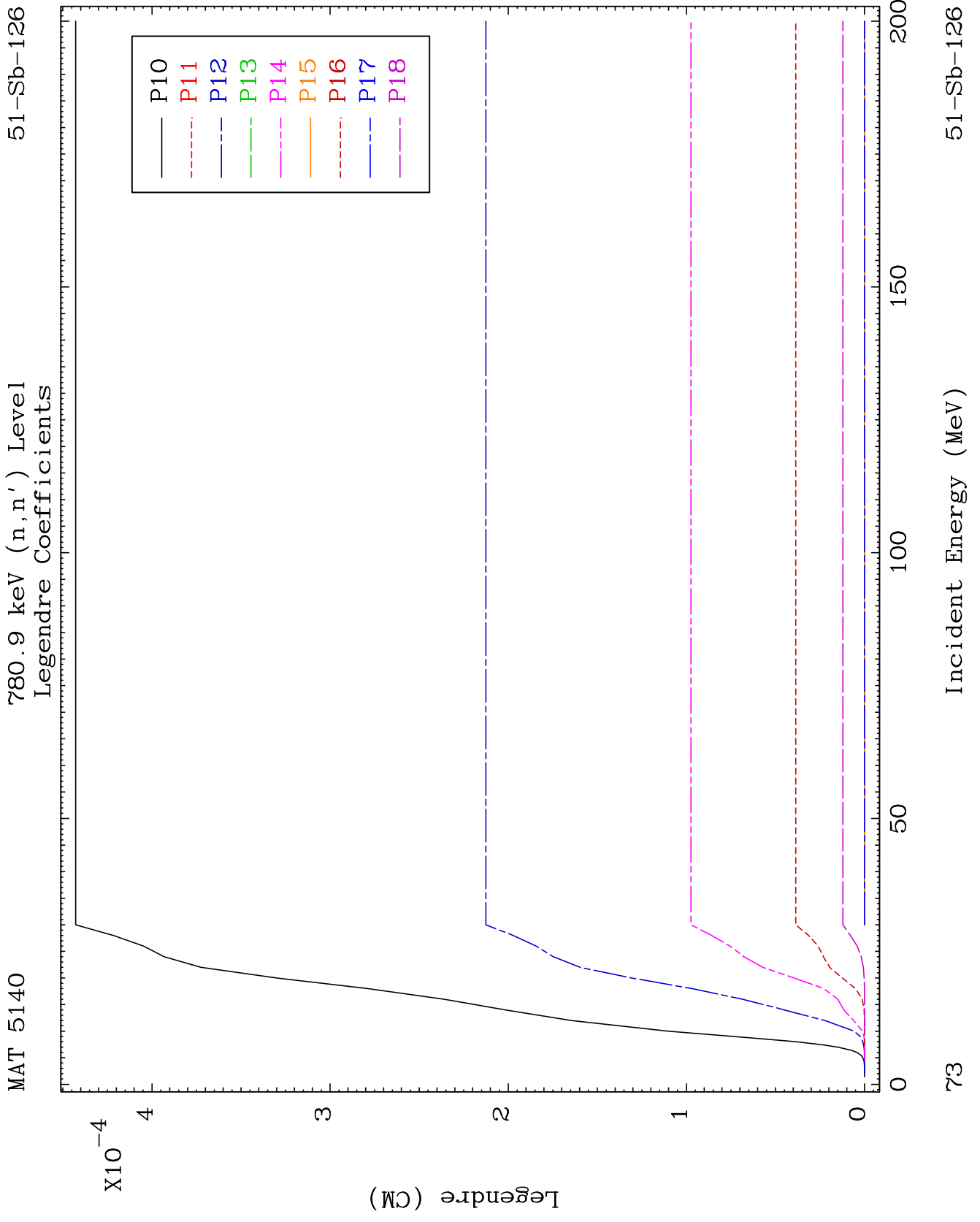


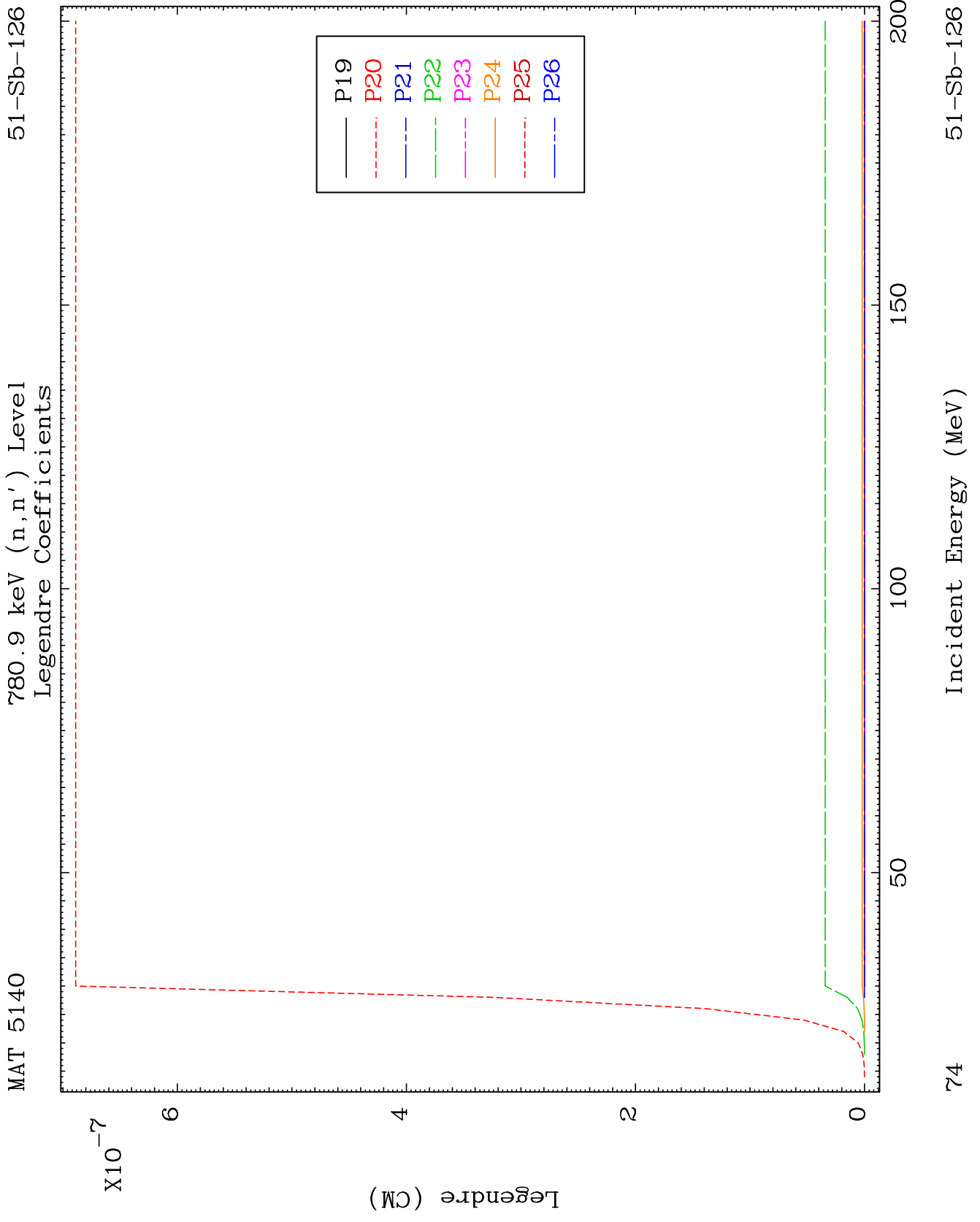


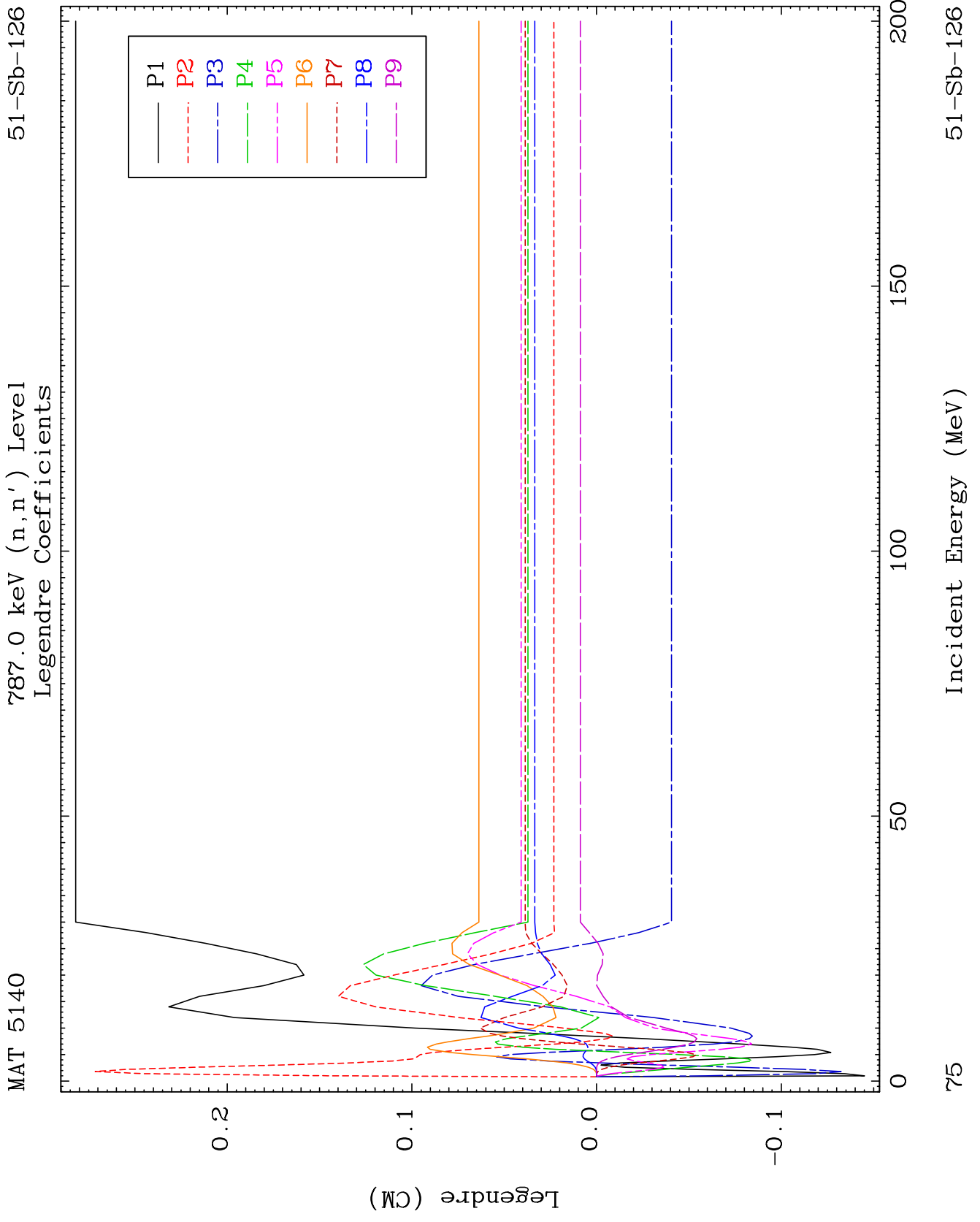




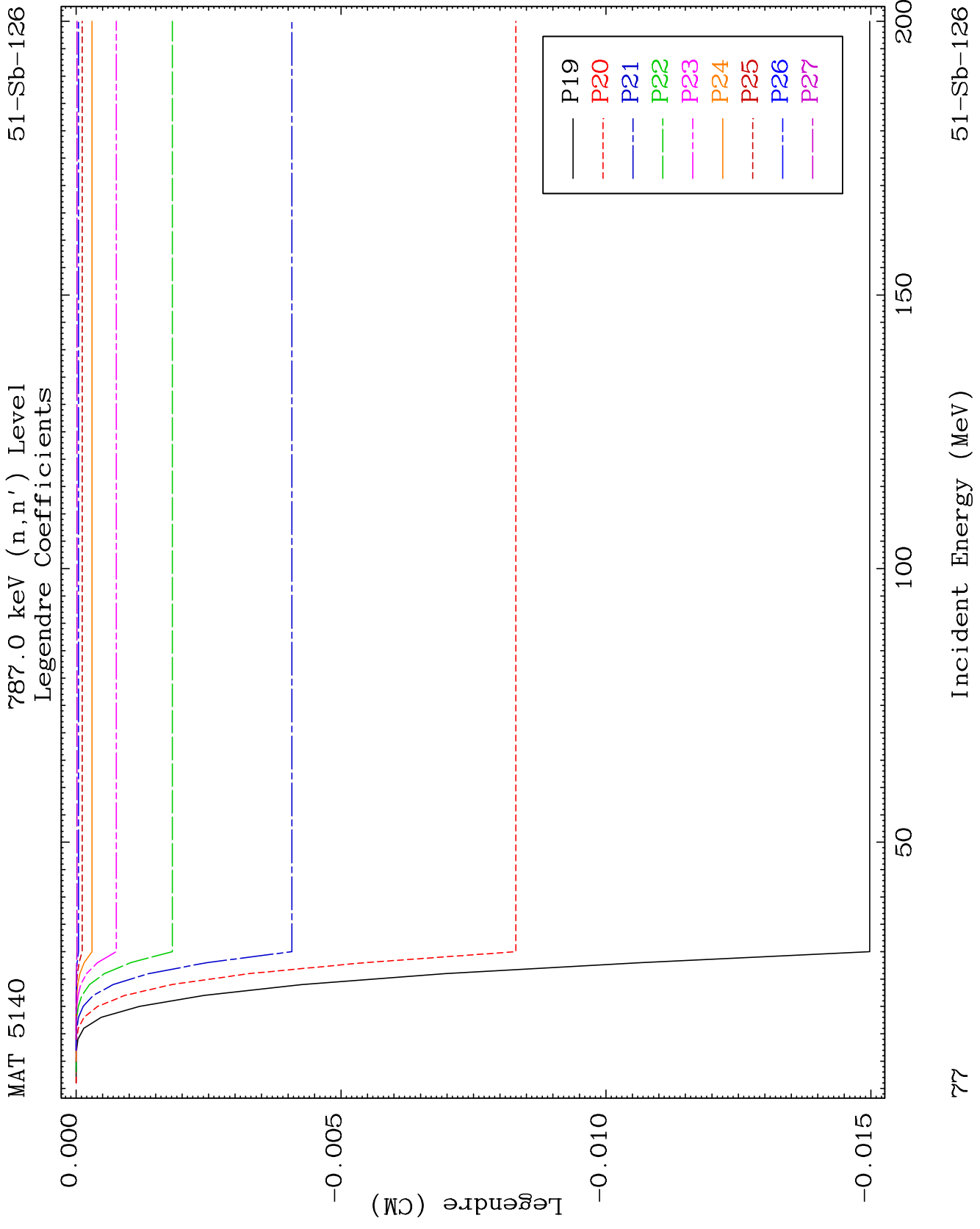


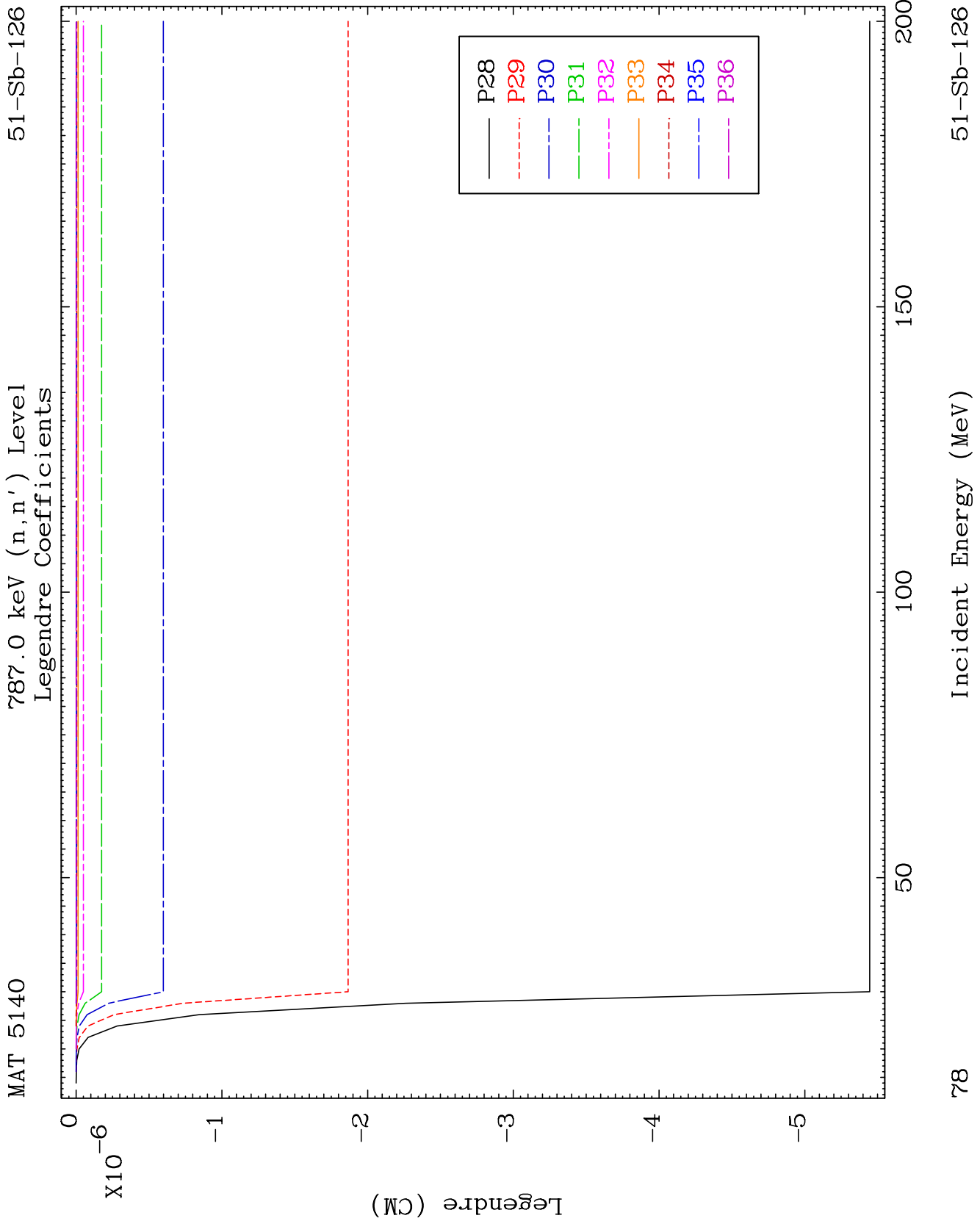








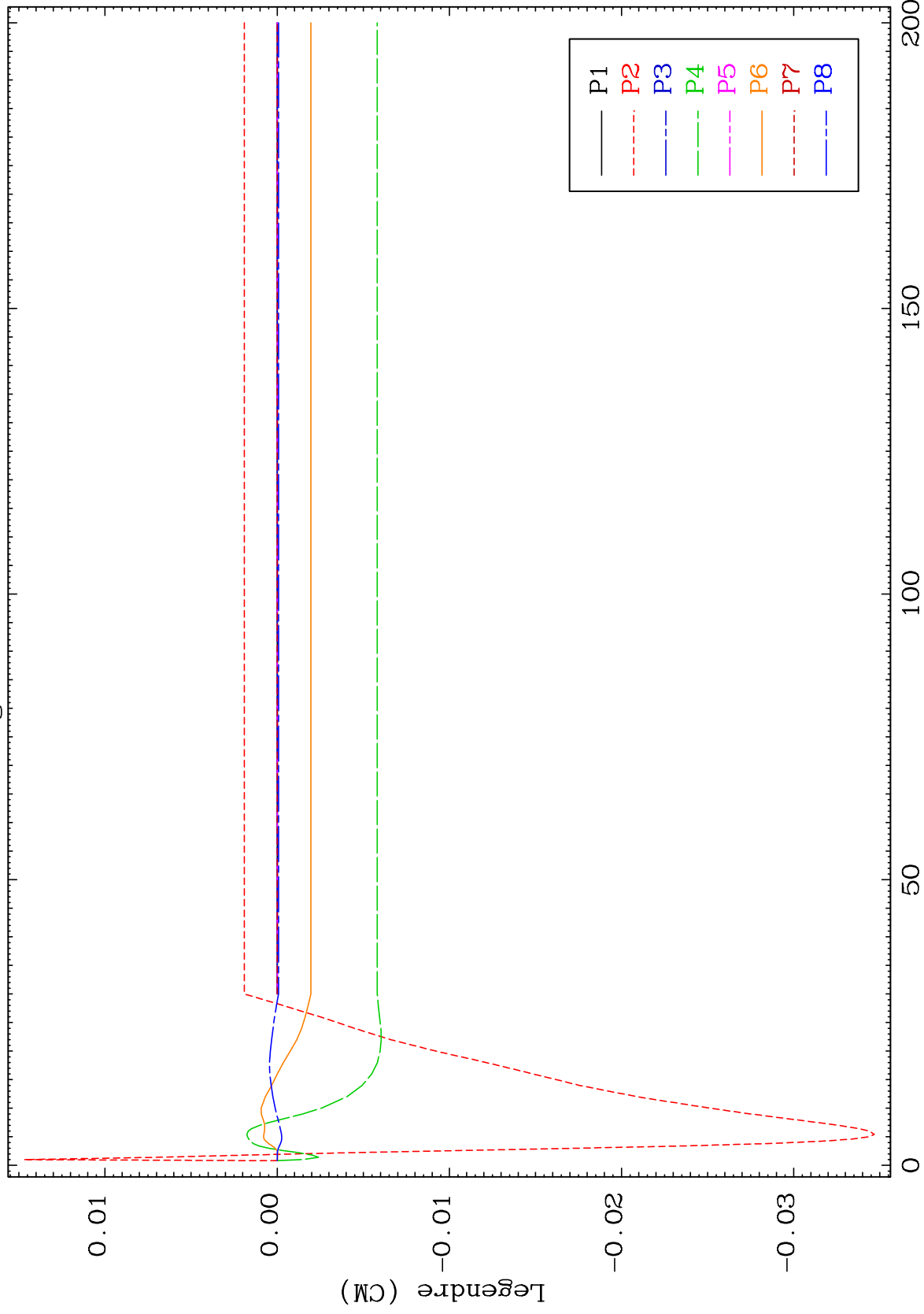




MAT 5140

802.2 keV (n,n') Level  
Legendre Coefficients

51-Sb-126

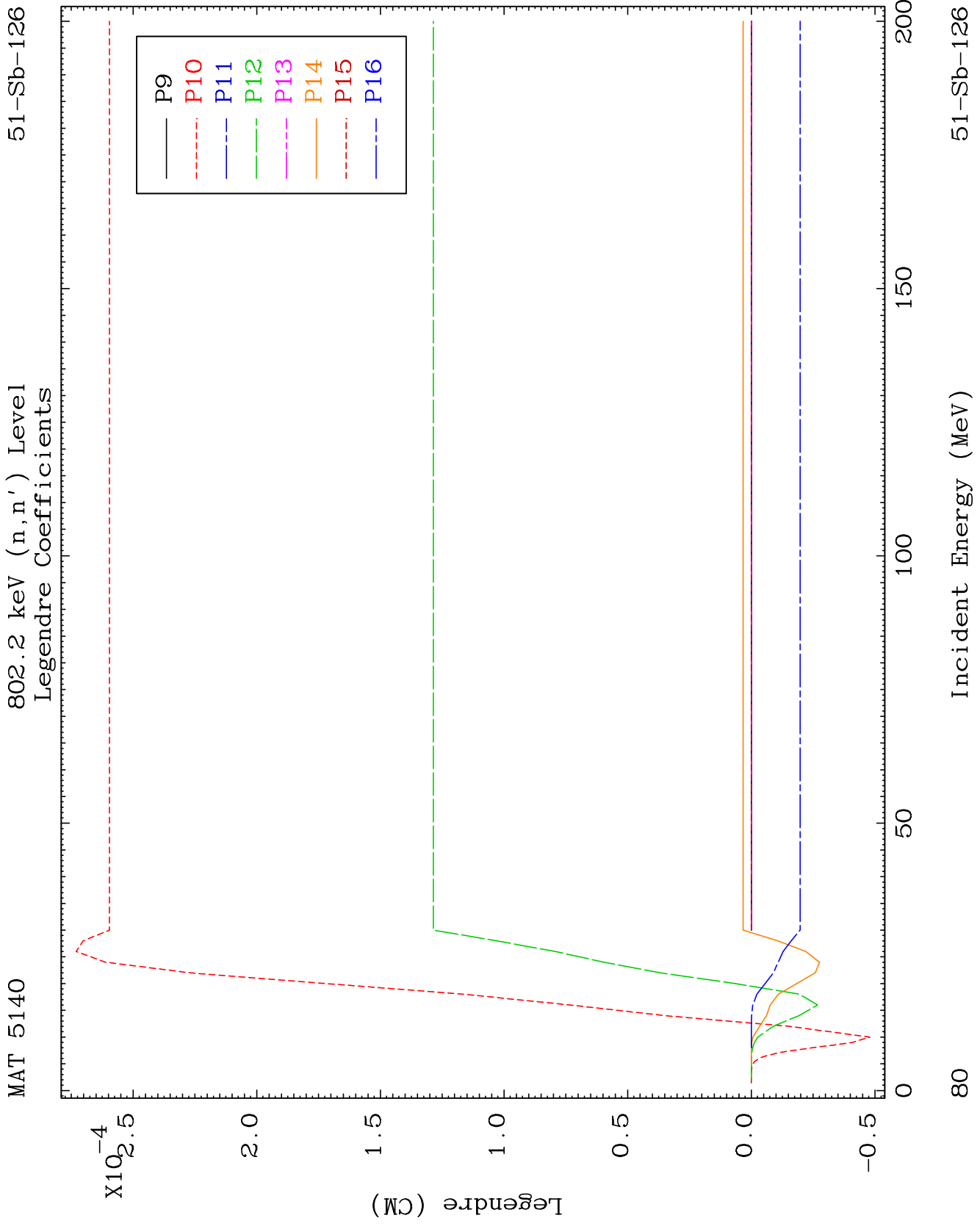


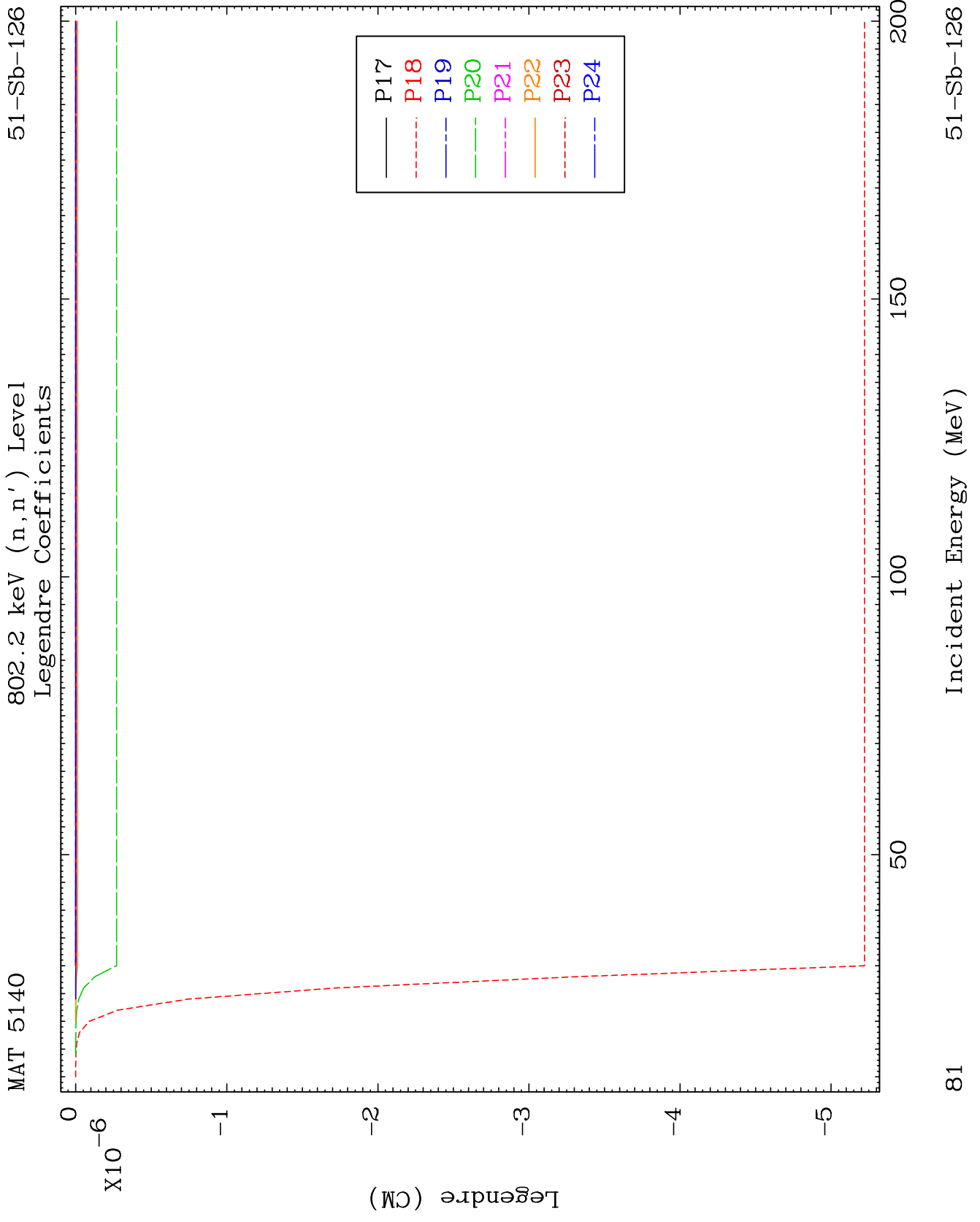
79

Incident Energy (MeV)

51-Sb-126



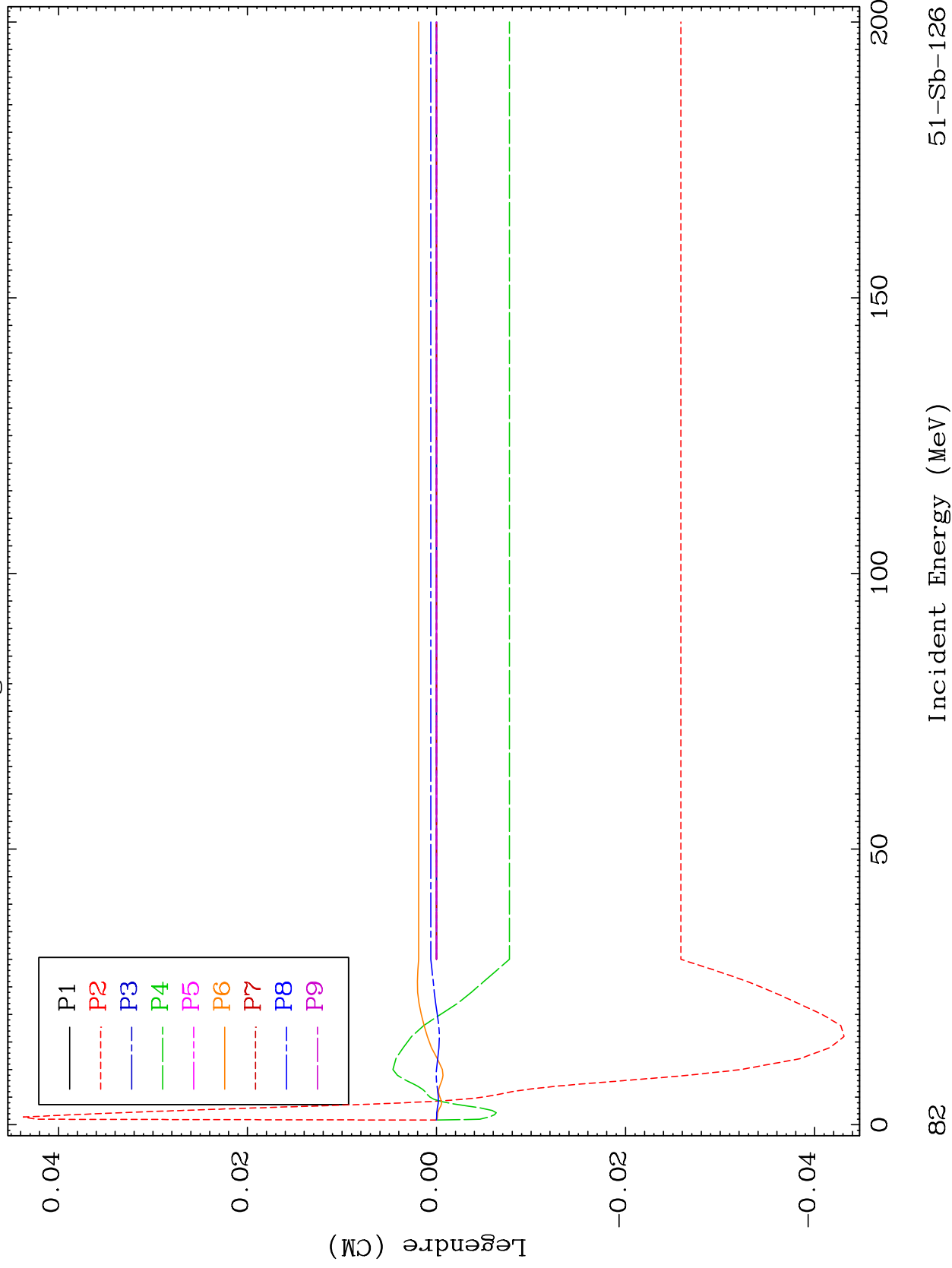




MAT 5140

841.0 keV (n,n') Level  
Legendre Coefficients

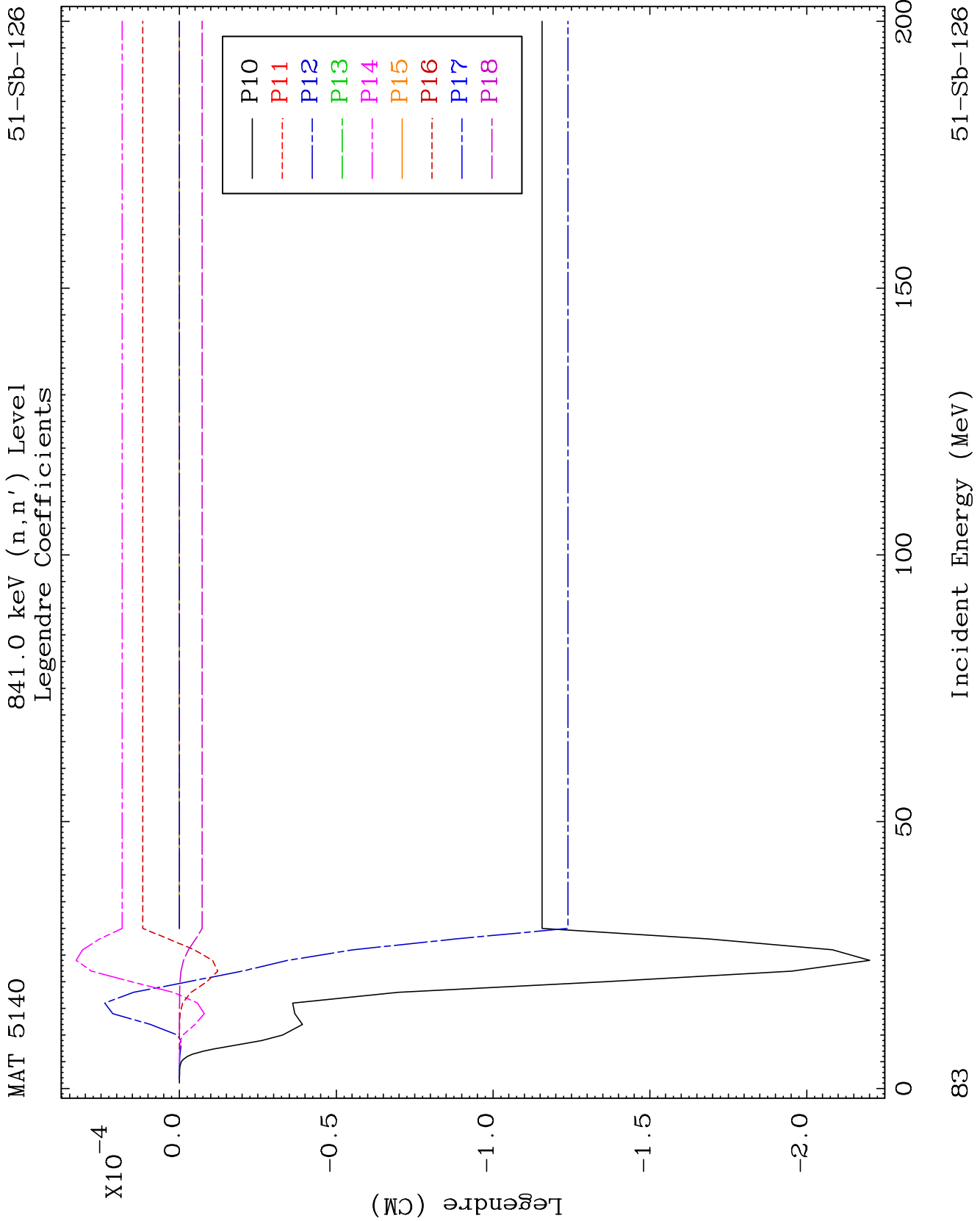
51-Sb-126

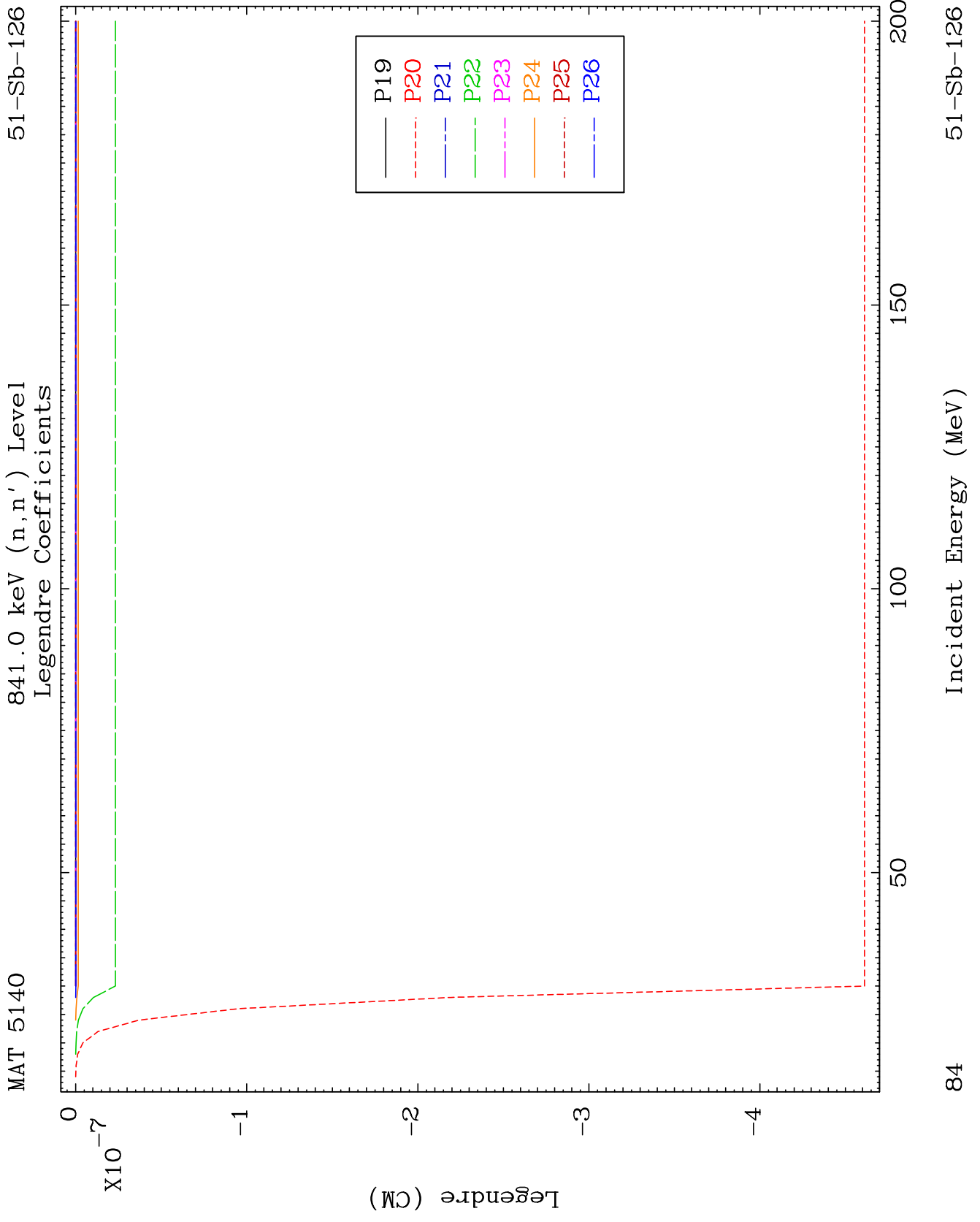


51-Sb-126

Incident Energy (MeV)

82

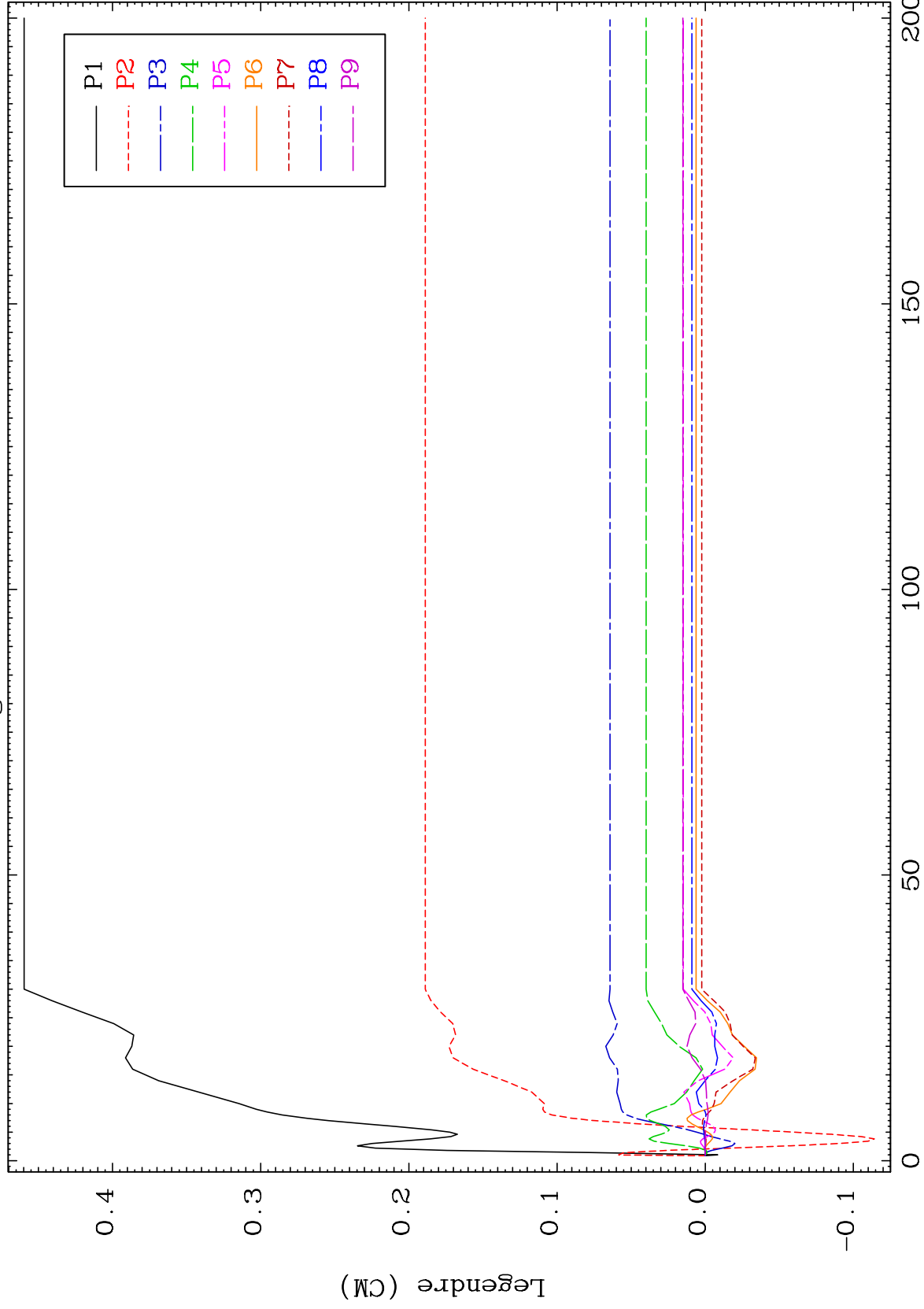




MAT 5140

847.9 keV (n,n') Level  
Legendre Coefficients

51-Sb-126



51-Sb-126

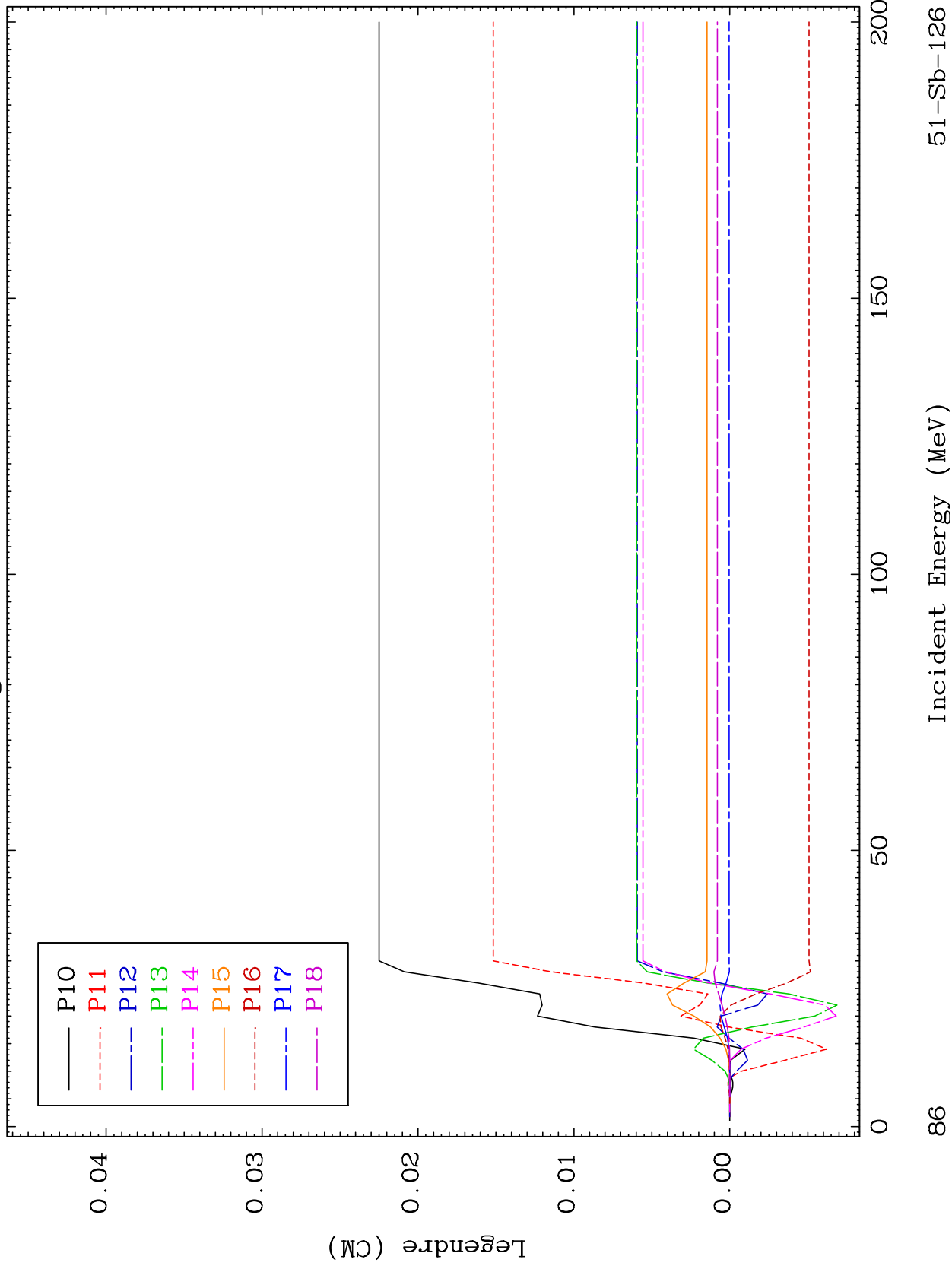
Incident Energy (MeV)

85

MAT 5140

847.9 keV (n,n') Level  
Legendre Coefficients

51-Sb-126



86

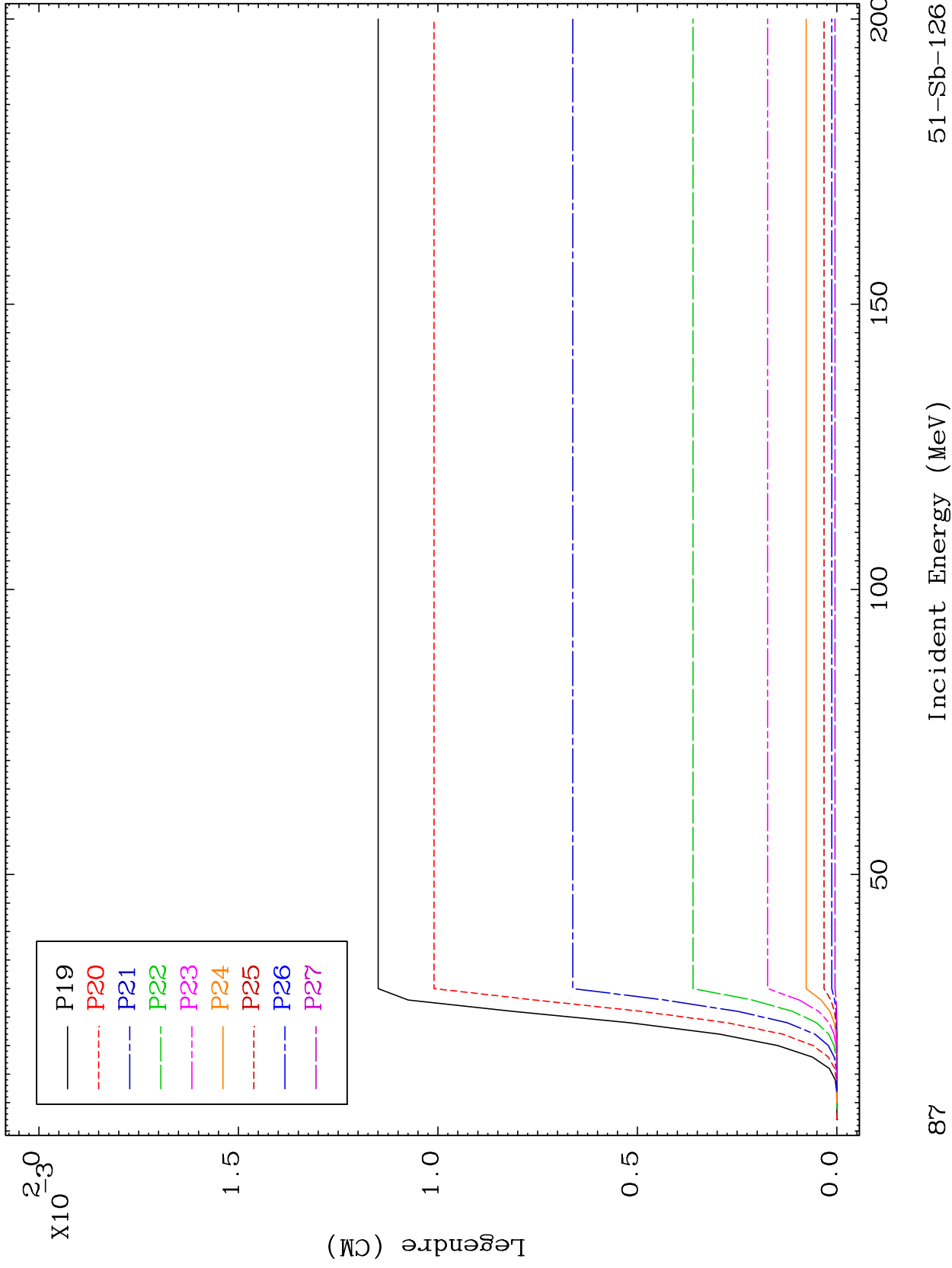
Incident Energy (MeV)

51-Sb-126

MAT 5140

847.9 keV (n,n') Level  
Legendre Coefficients

51-Sb-126



87

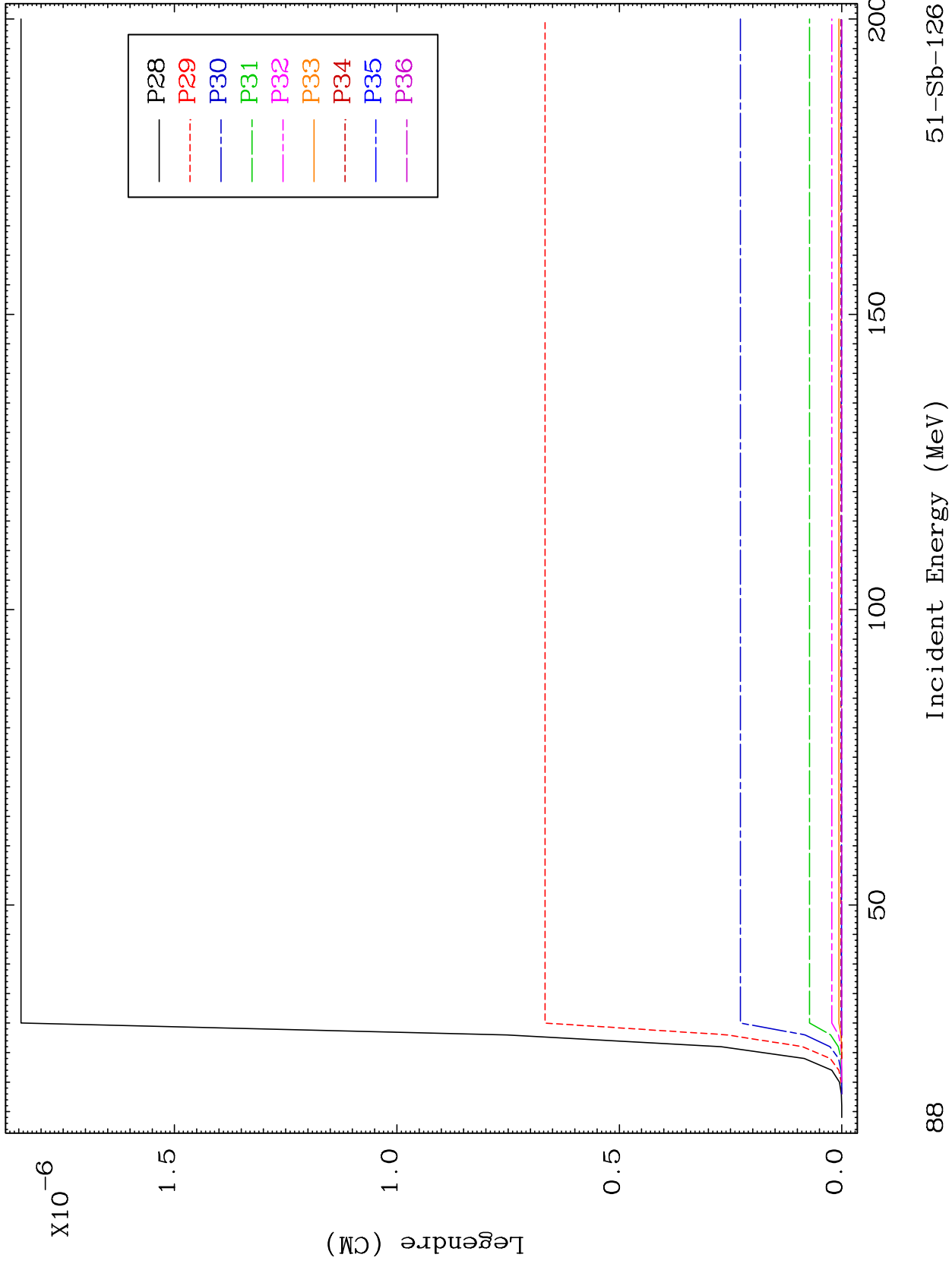
51-Sb-126

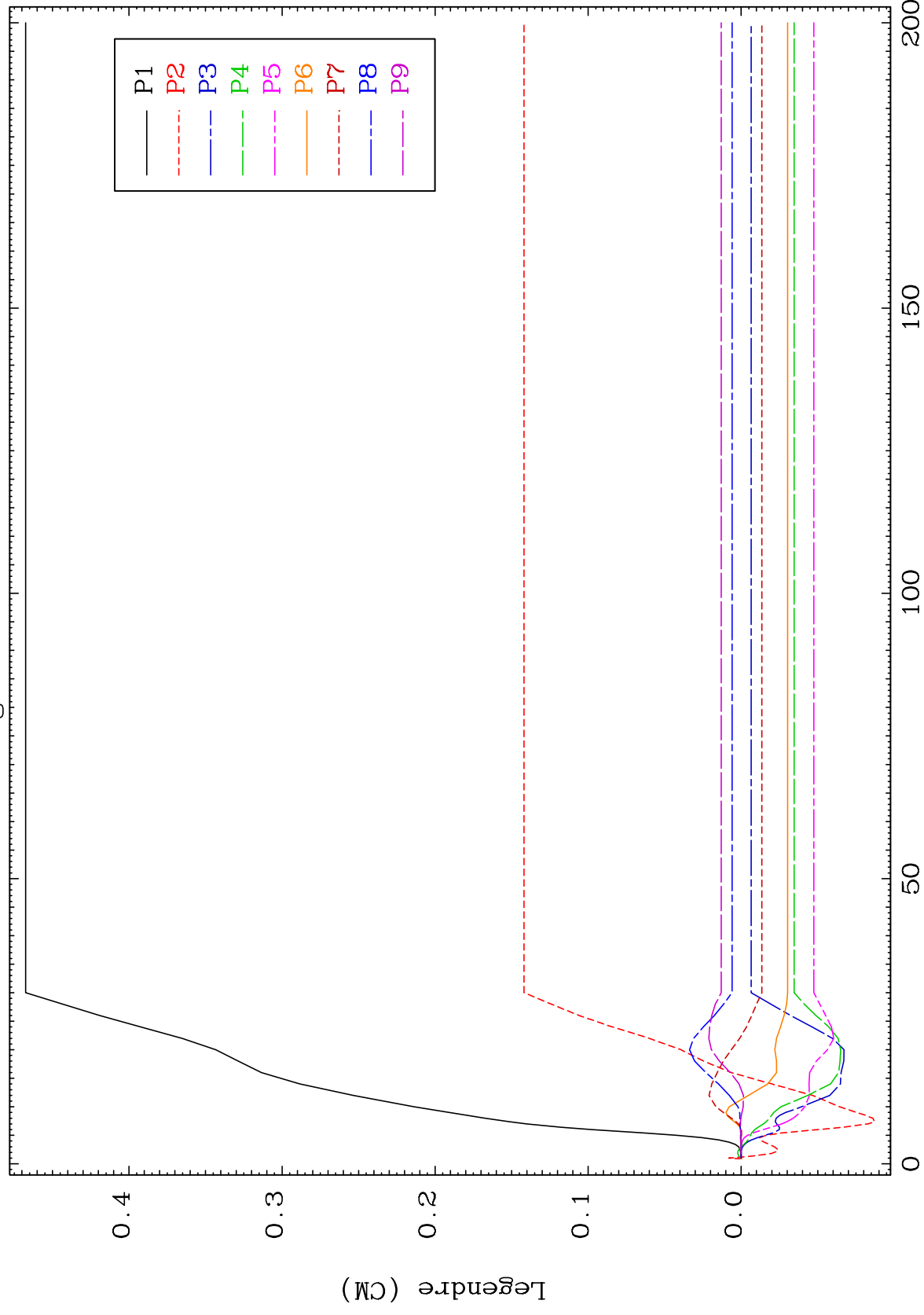


MAT 5140

847.9 keV (n,n') Level  
Legendre Coefficients

51-Sb-126

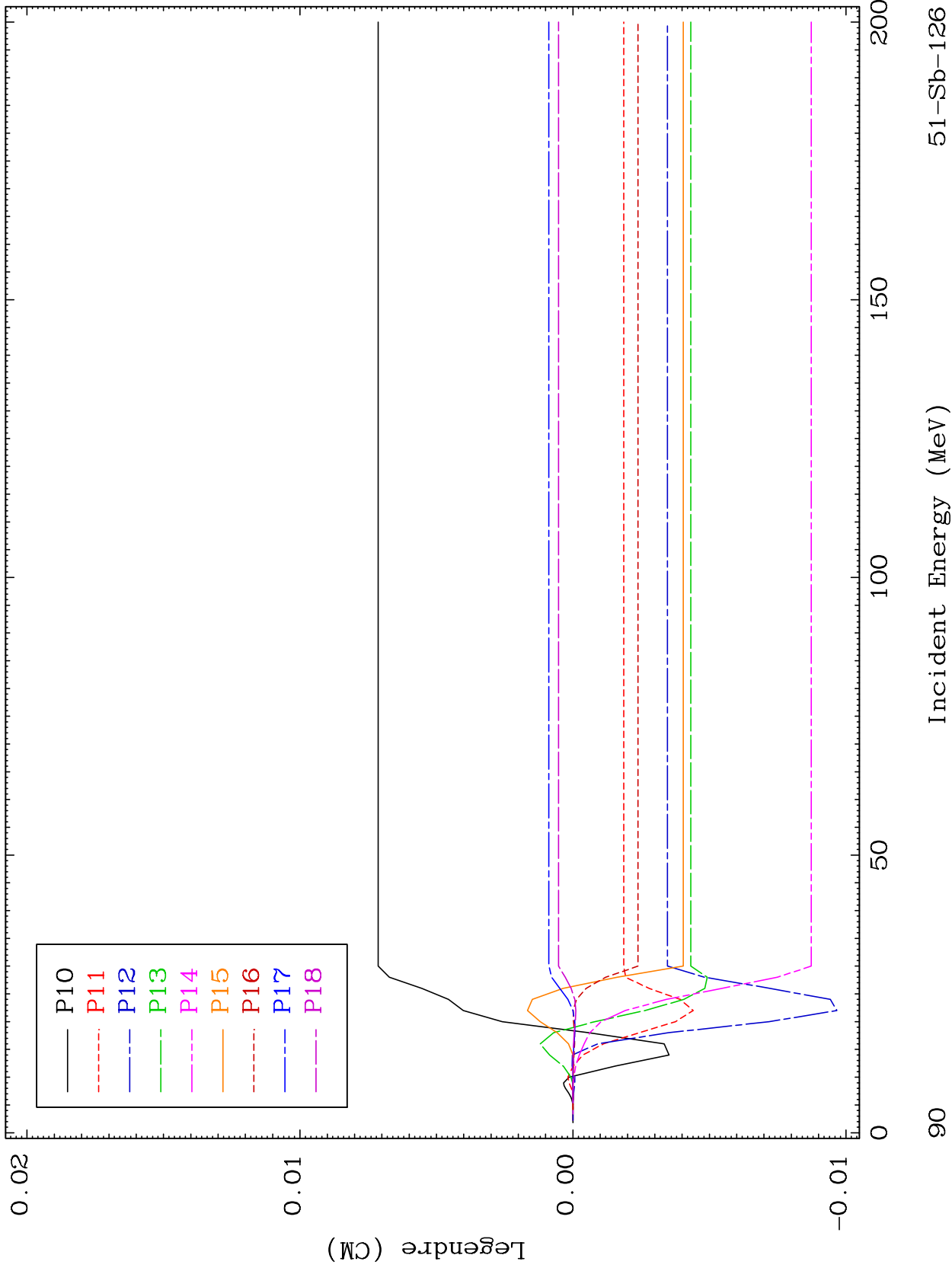




MAT 5140

872.5 keV (n,n') Level  
Legendre Coefficients

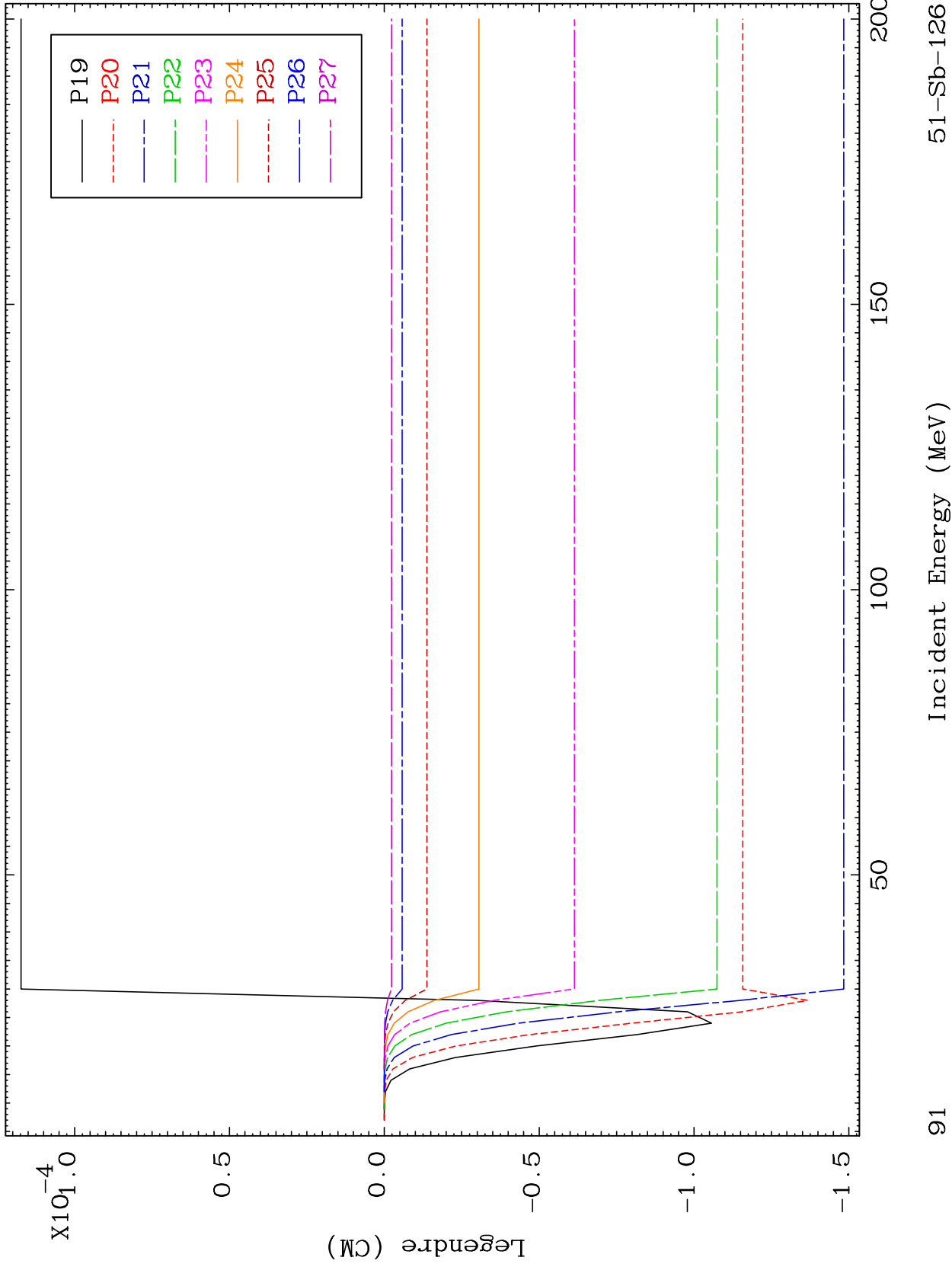
51-Sb-126

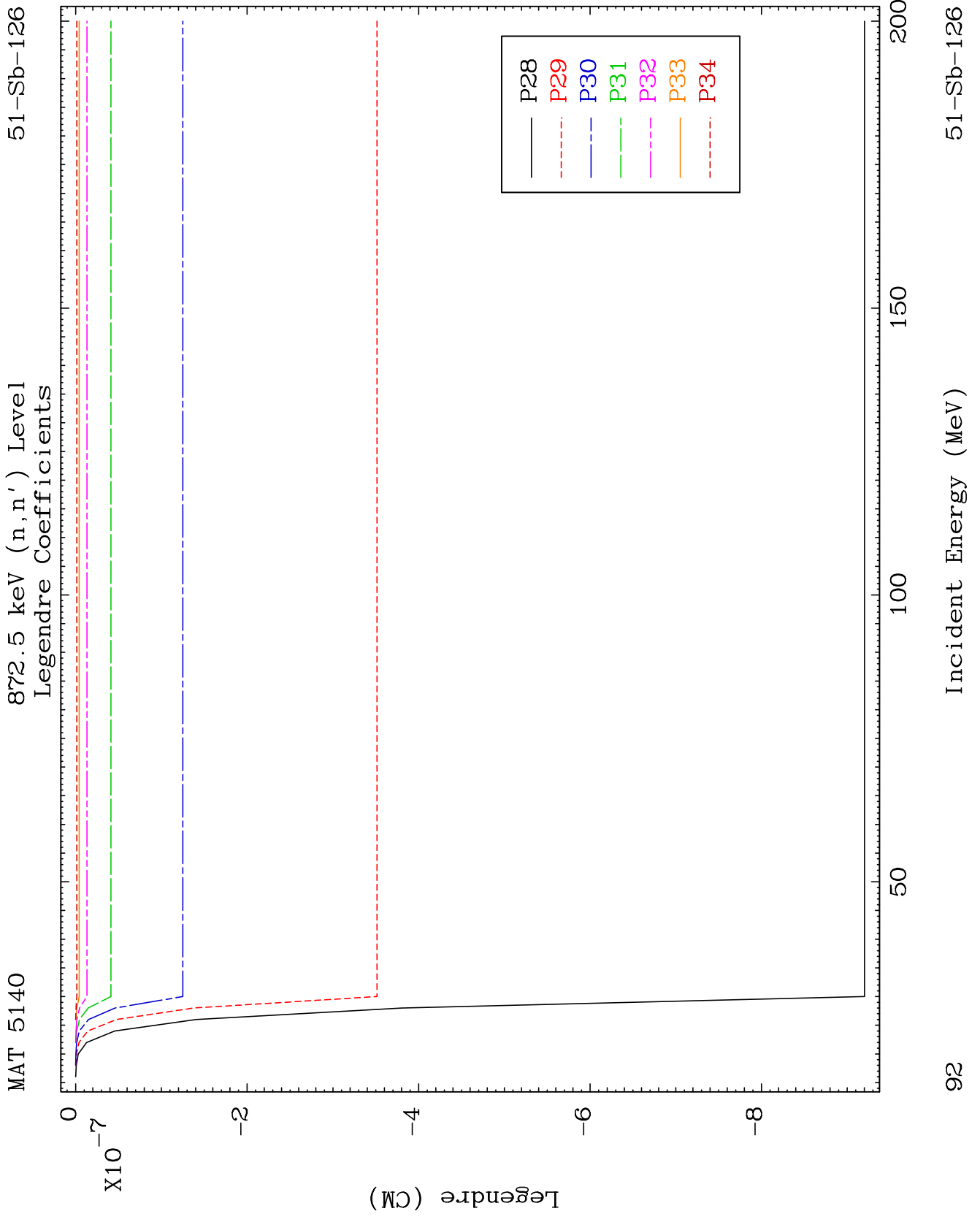


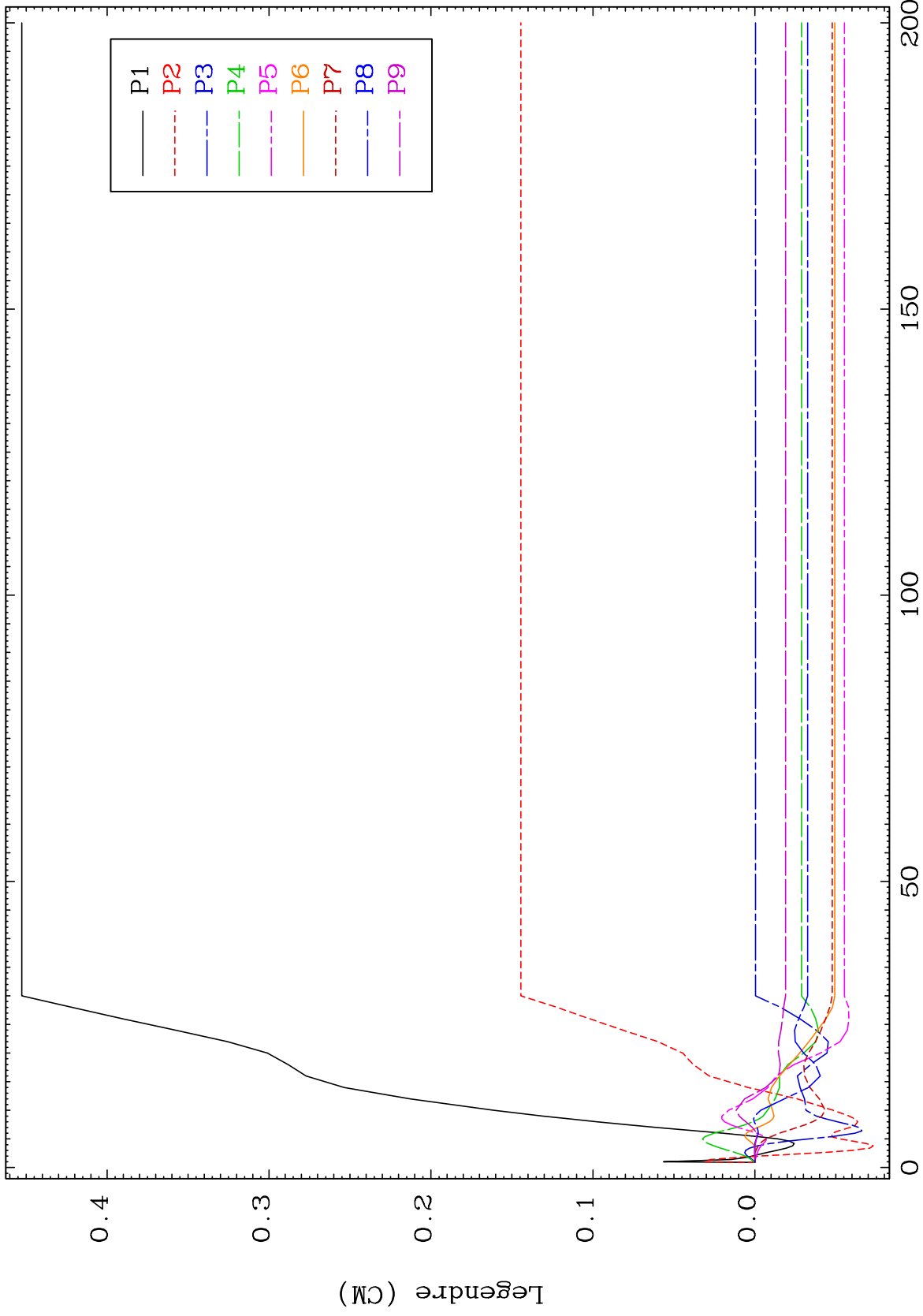
51-Sb-126

Incident Energy (MeV)

90





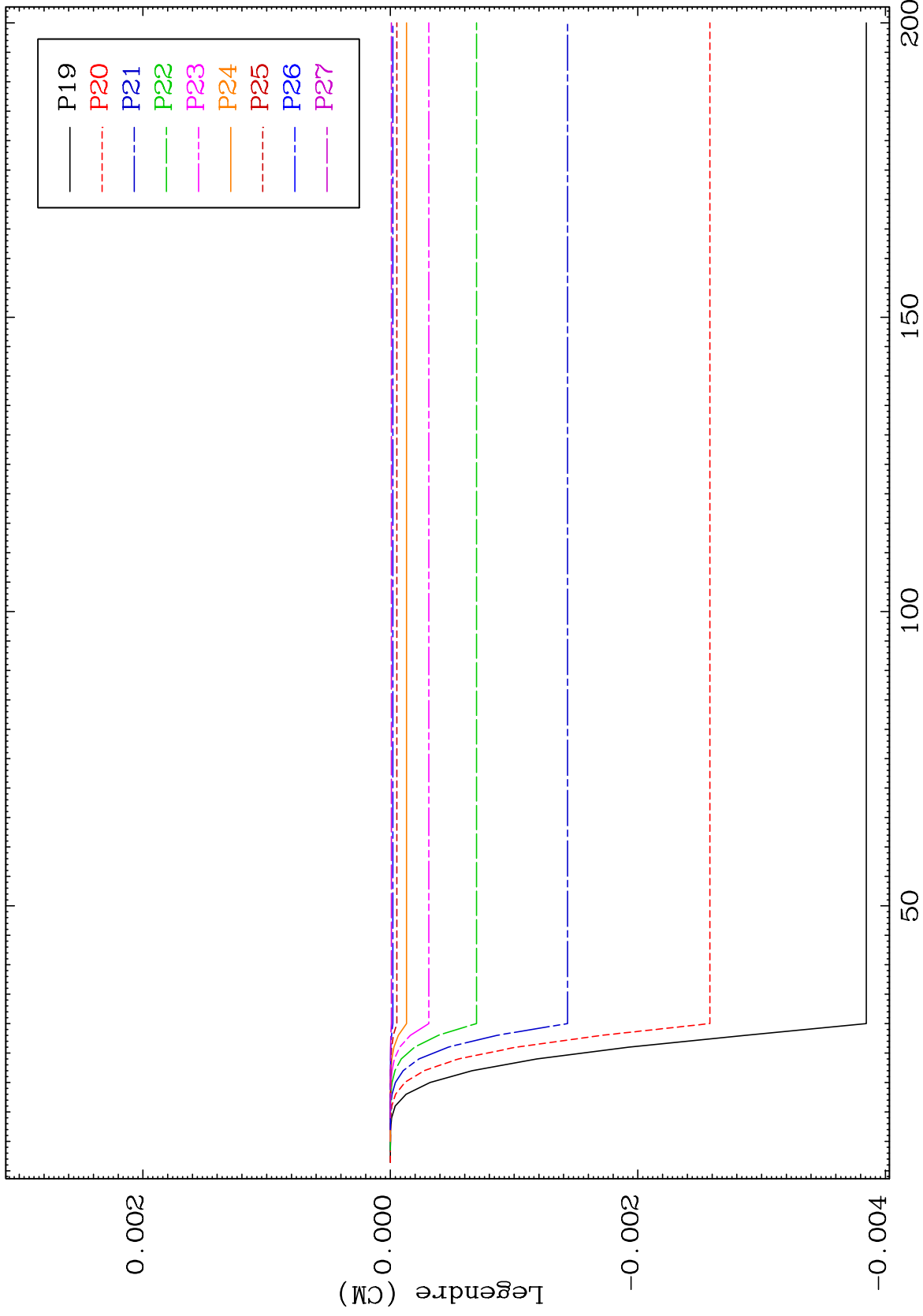




MAT 5140

881.2 keV (n,n') Level  
Legendre Coefficients

51-Sb-126

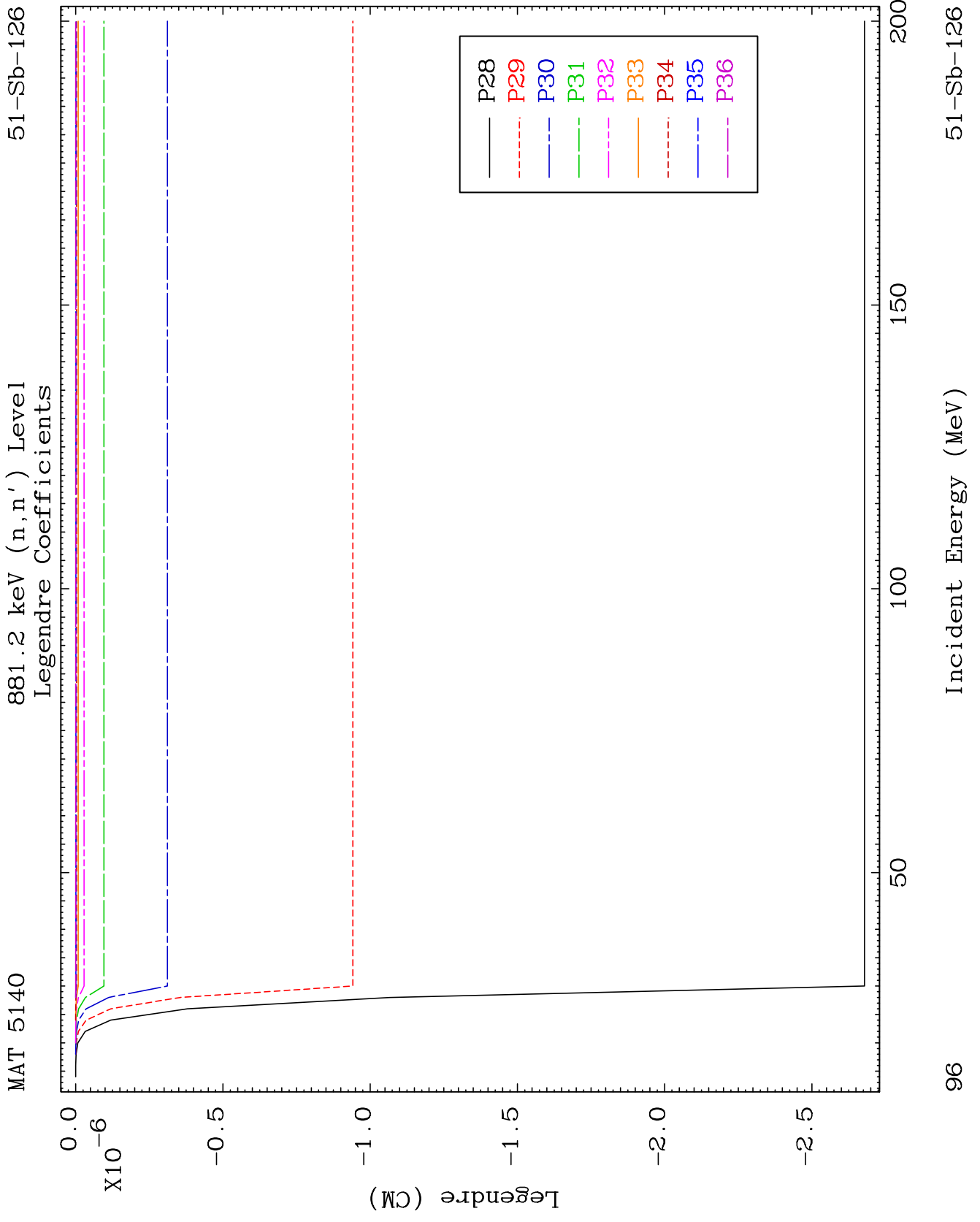


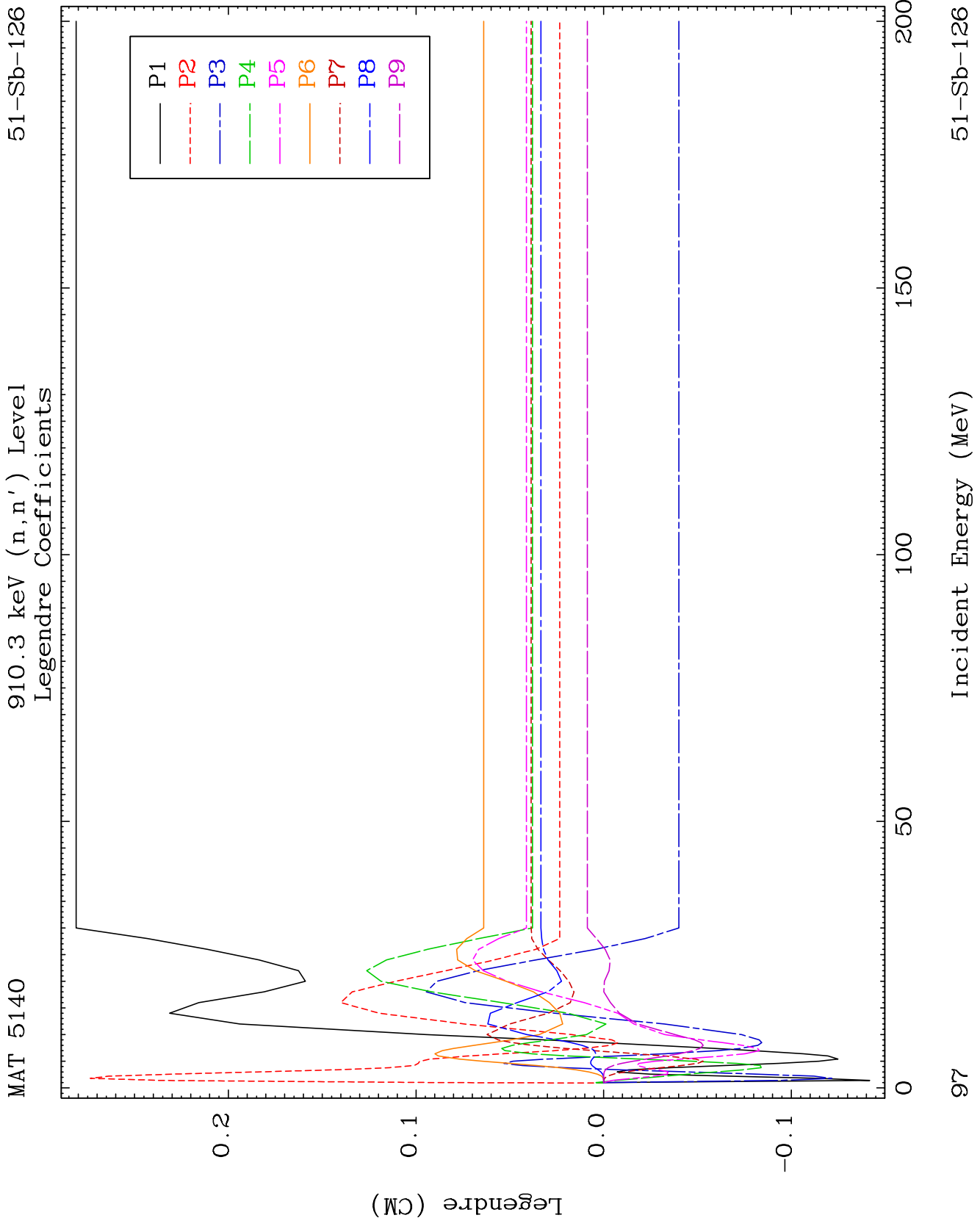
95

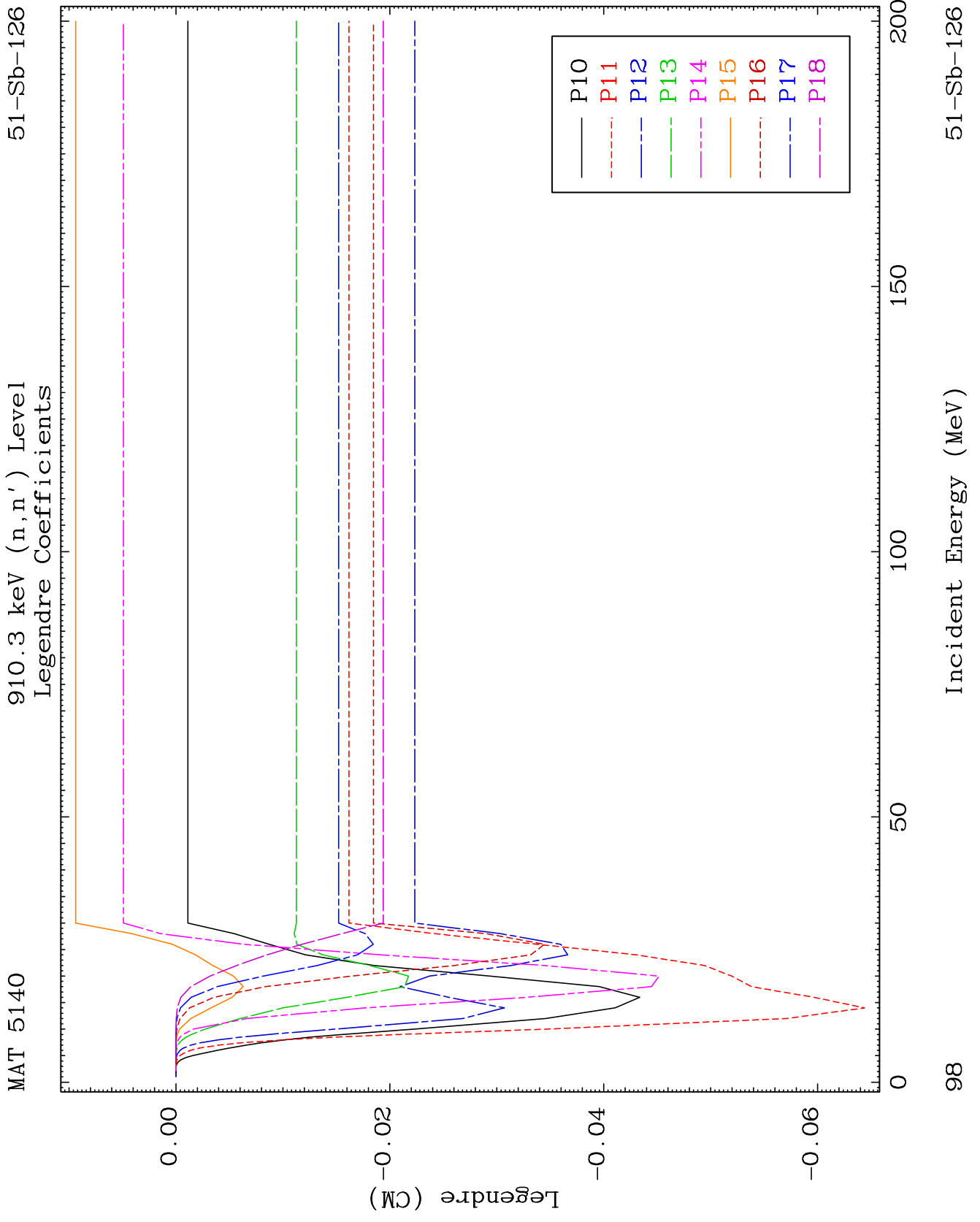
Incident Energy (MeV)

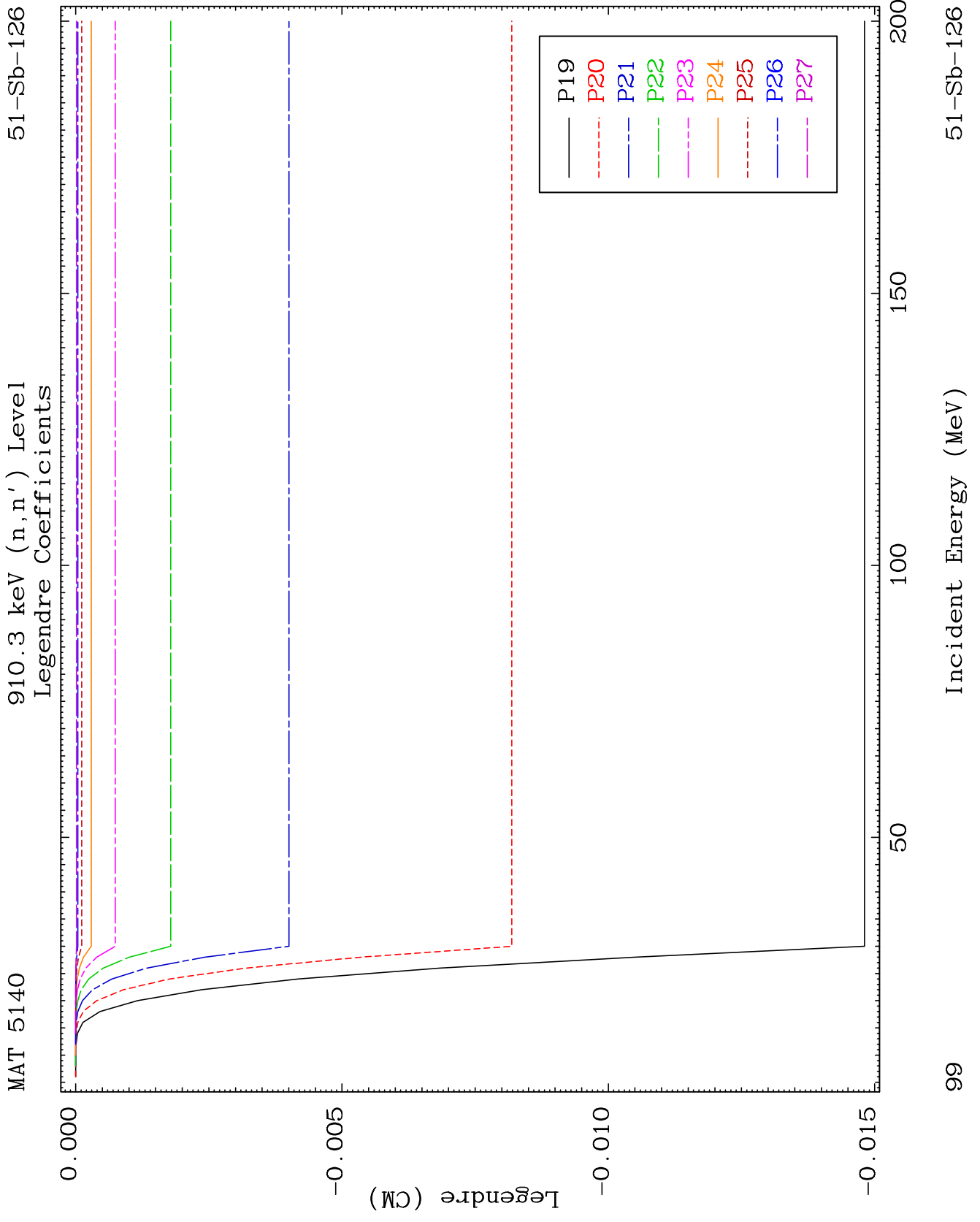
51-Sb-126

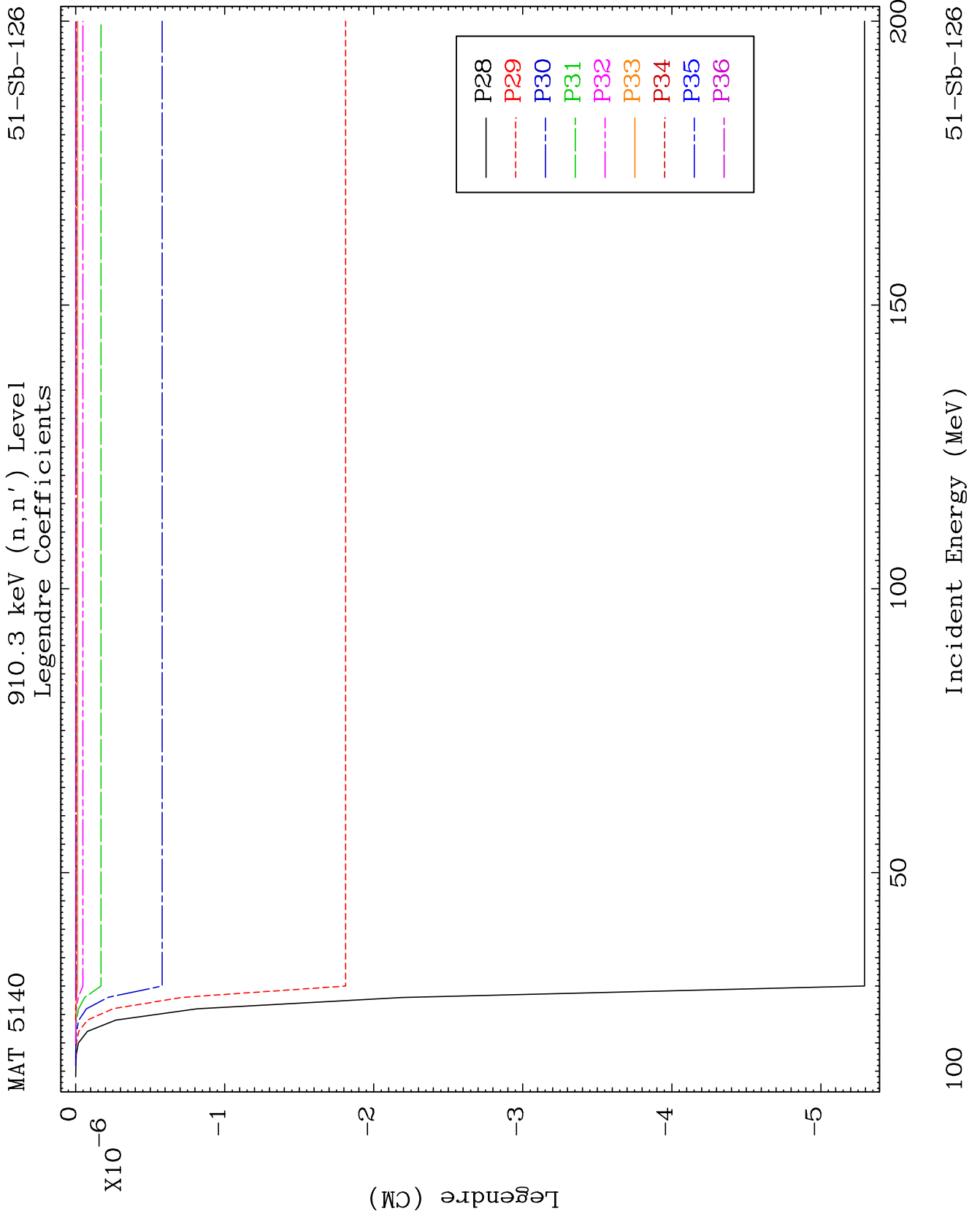


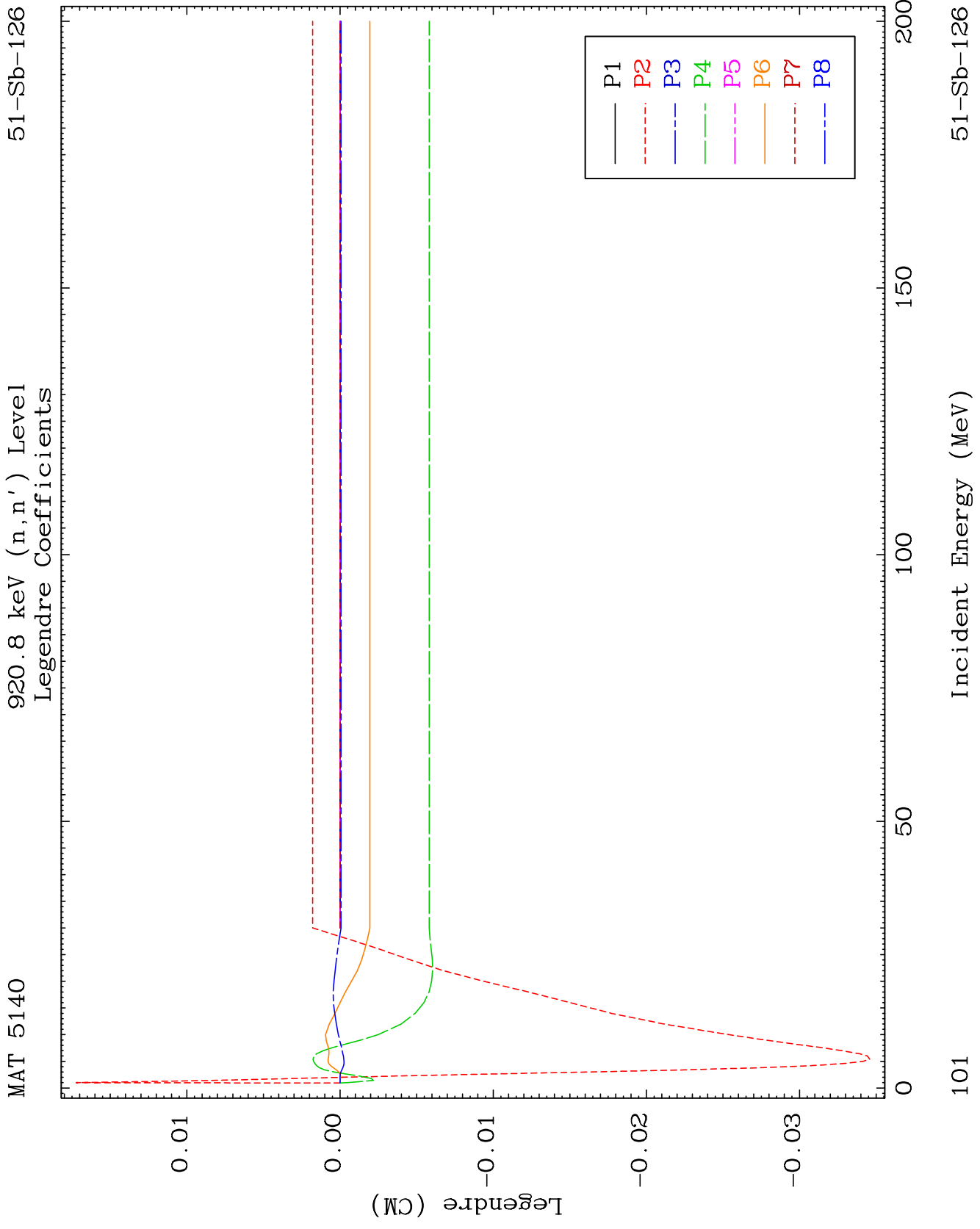




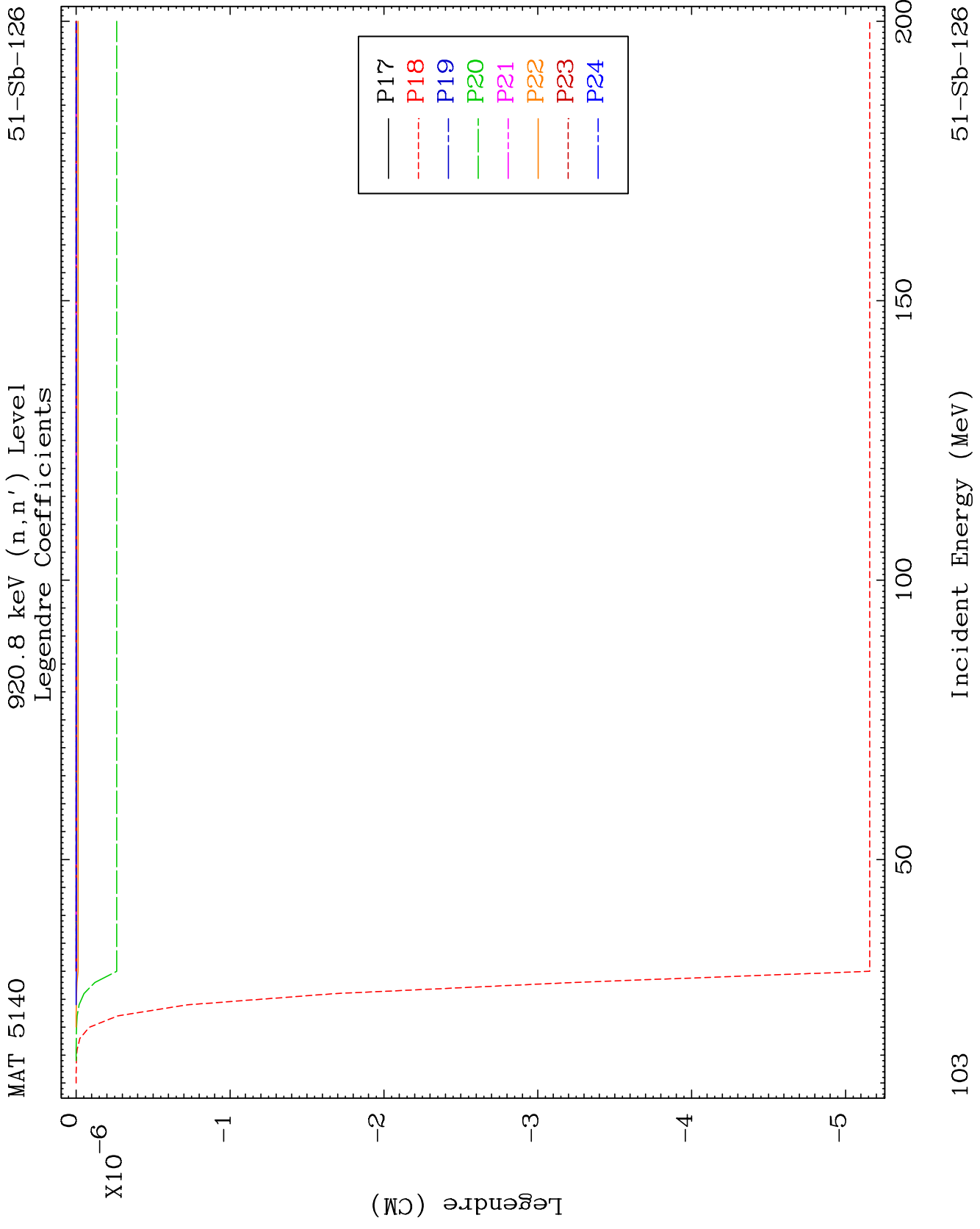










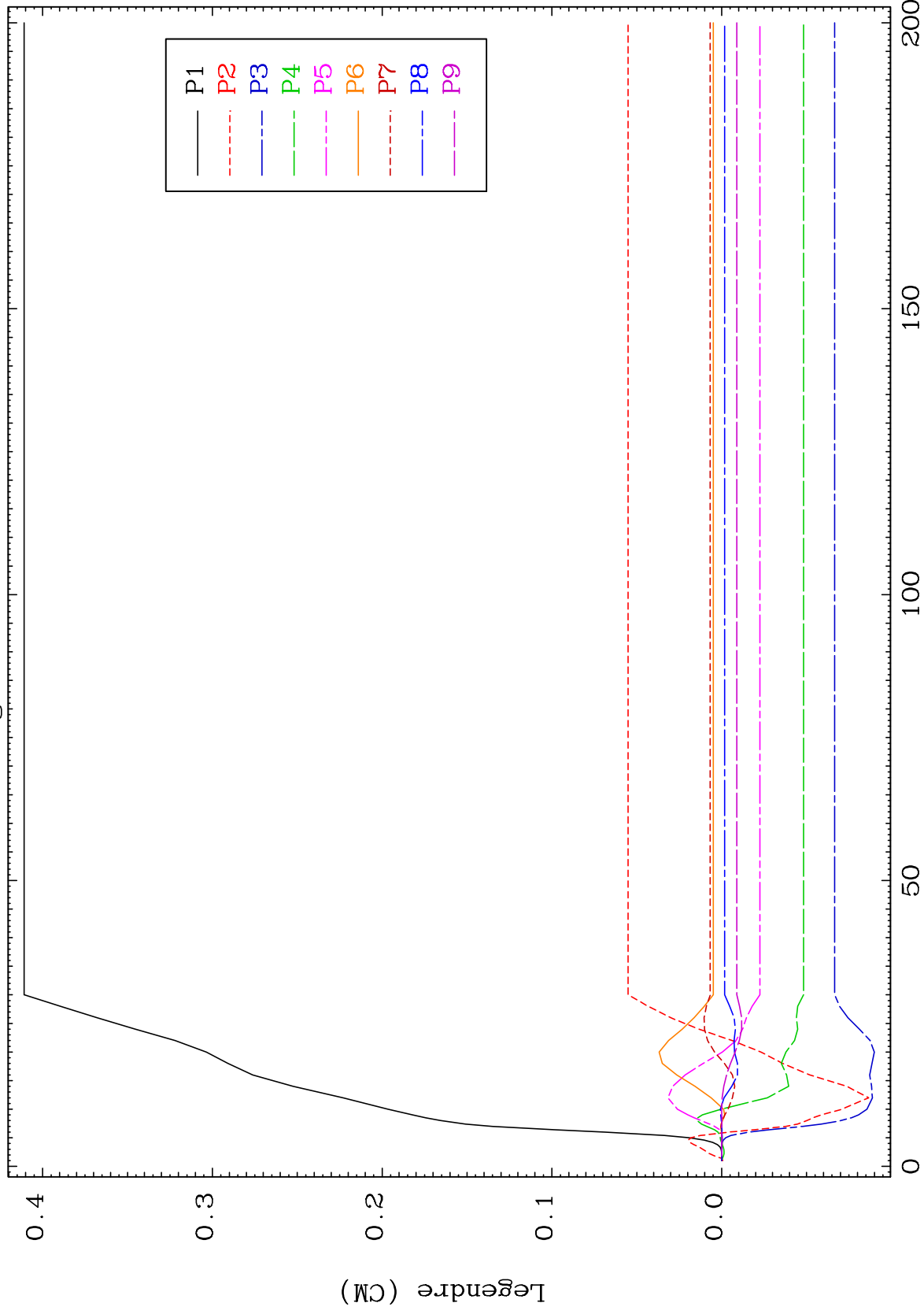




MAT 5140

981.1 keV (n,n') Level  
Legendre Coefficients

51-Sb-126

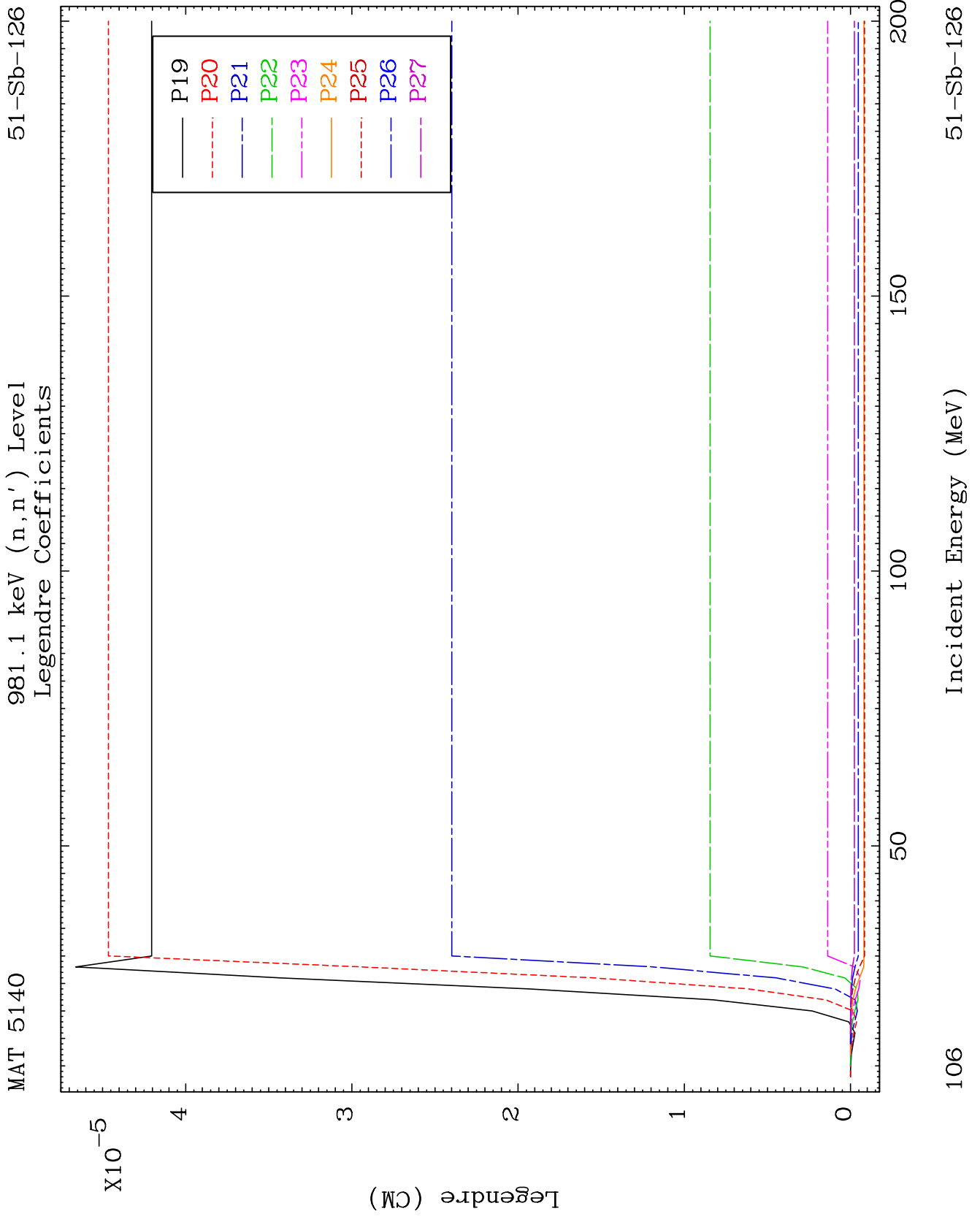


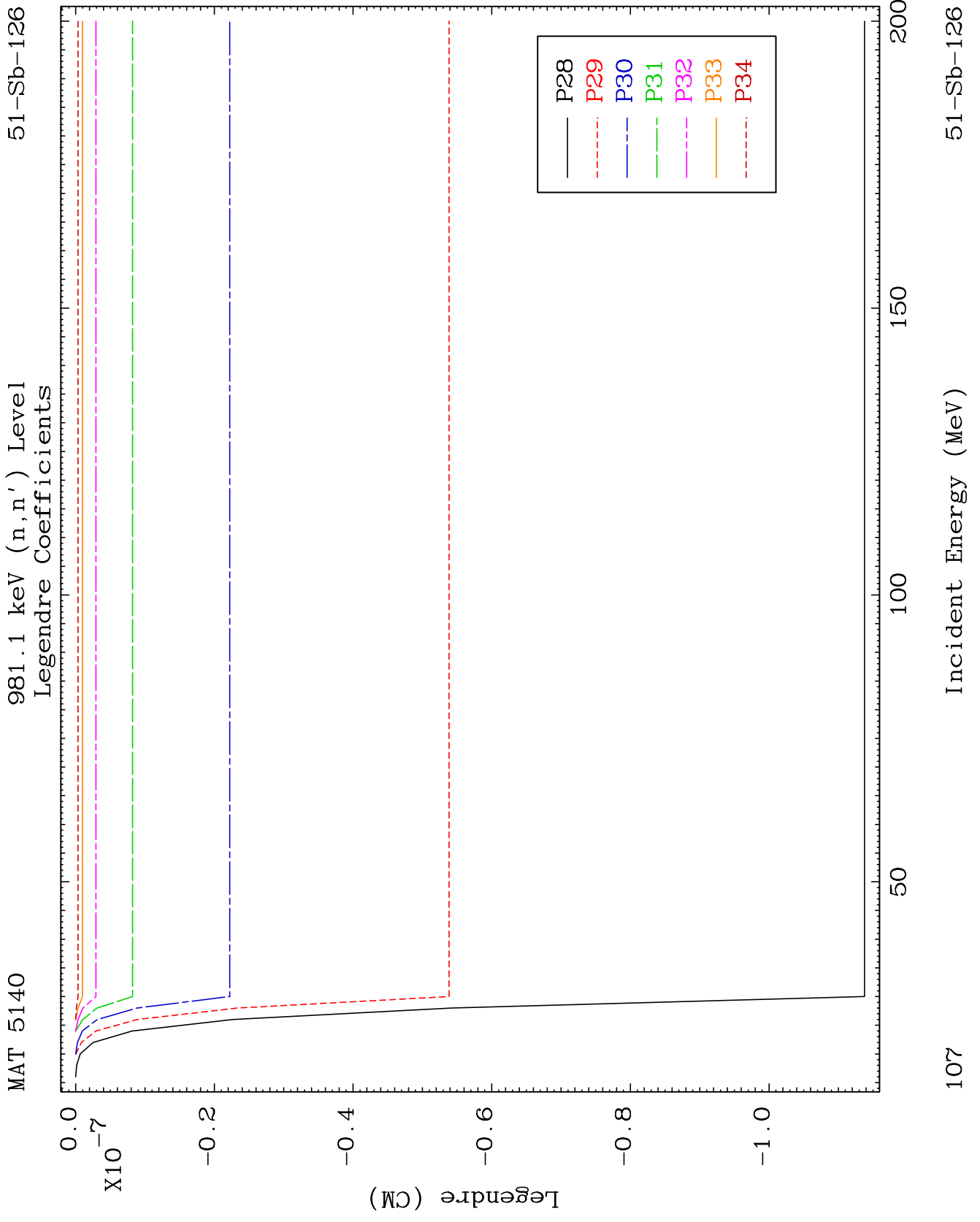
51-Sb-126

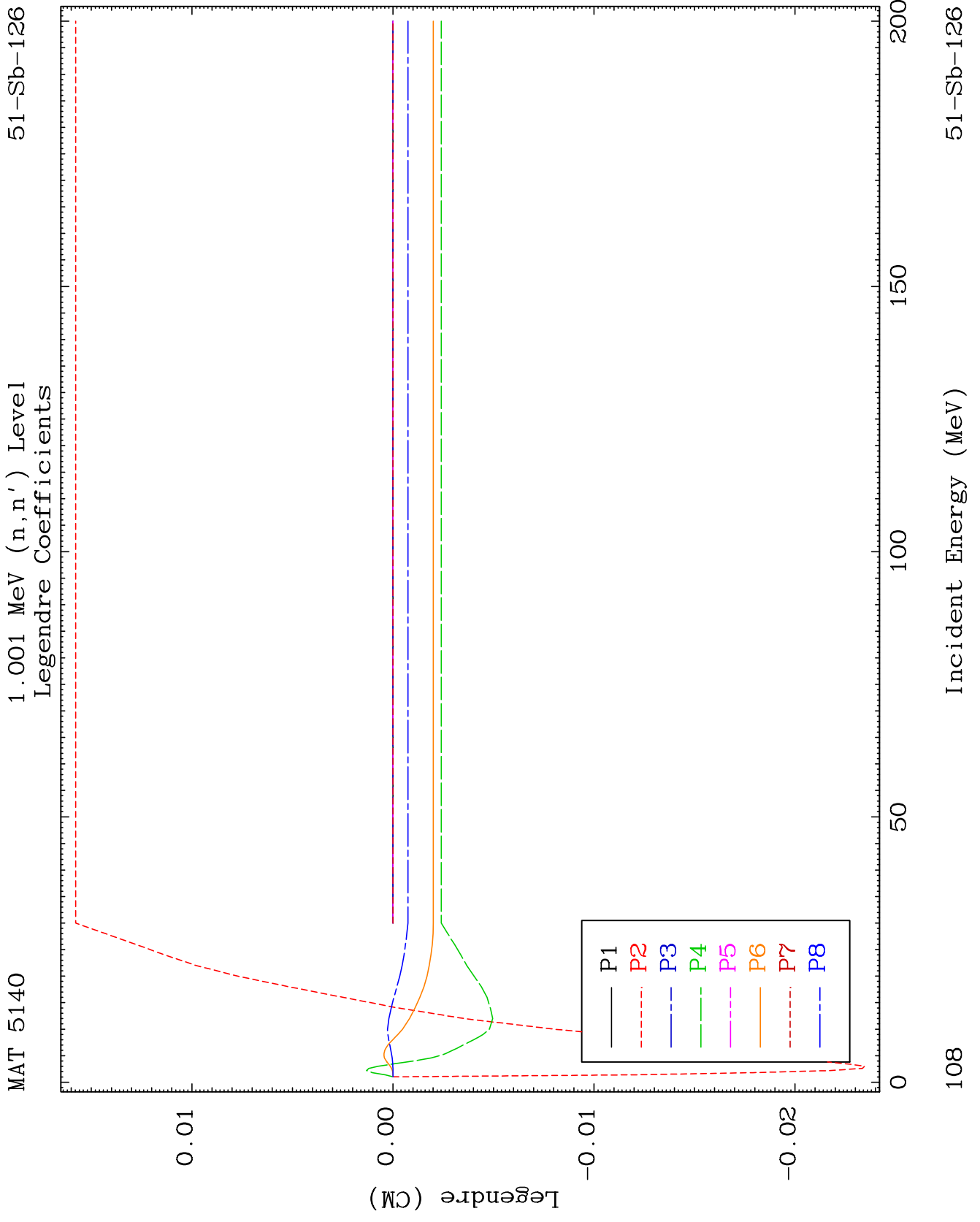
Incident Energy (MeV)

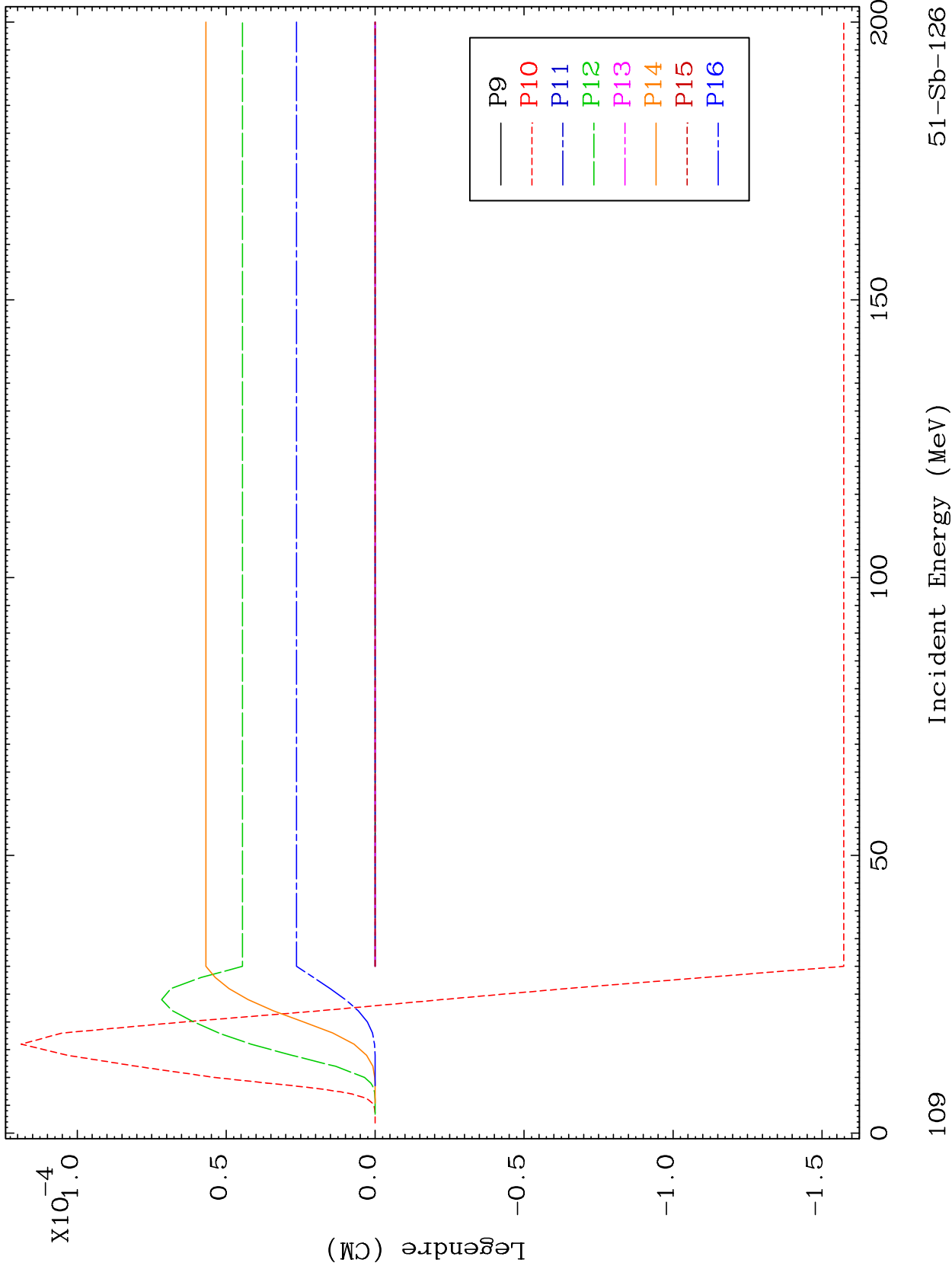
104

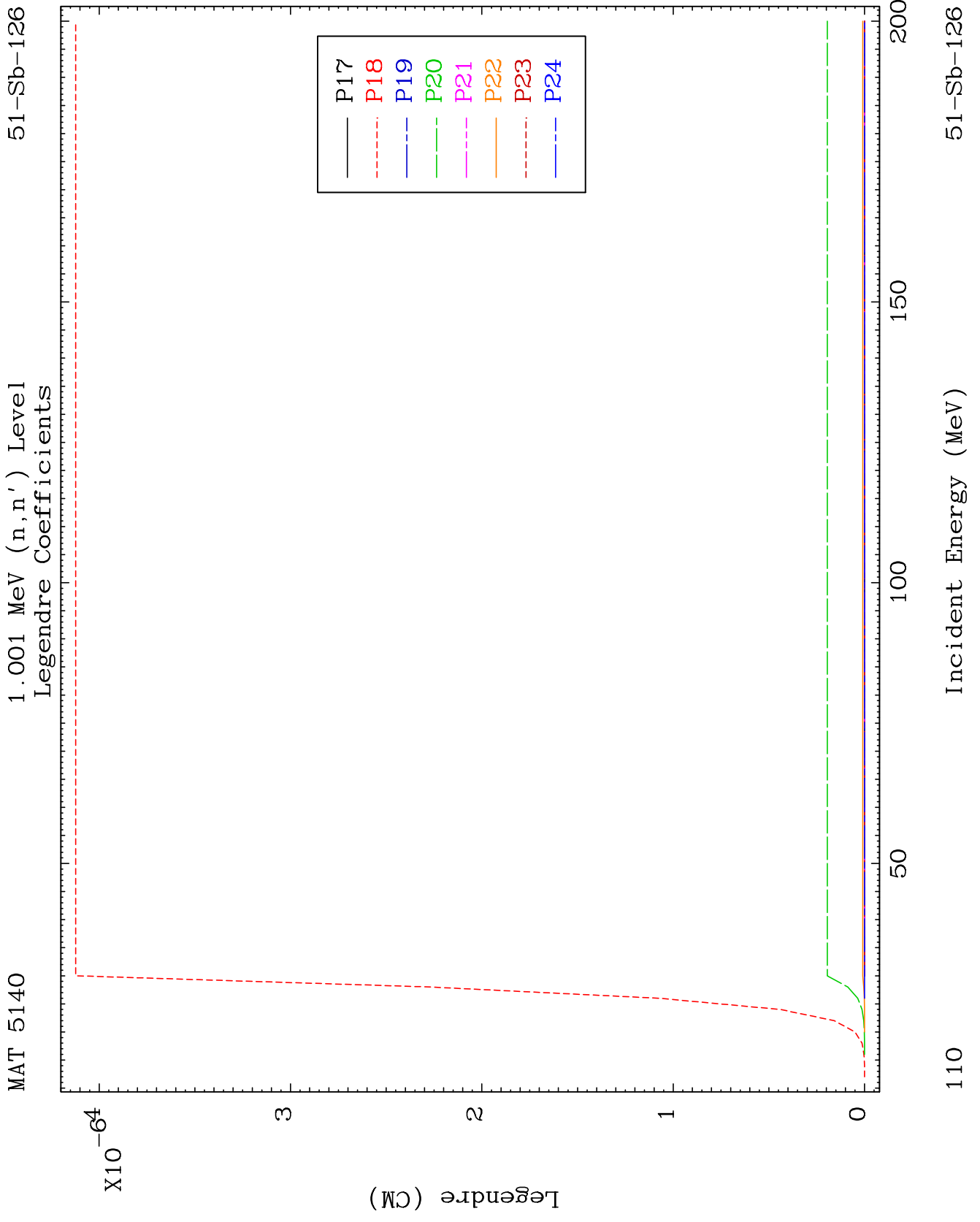








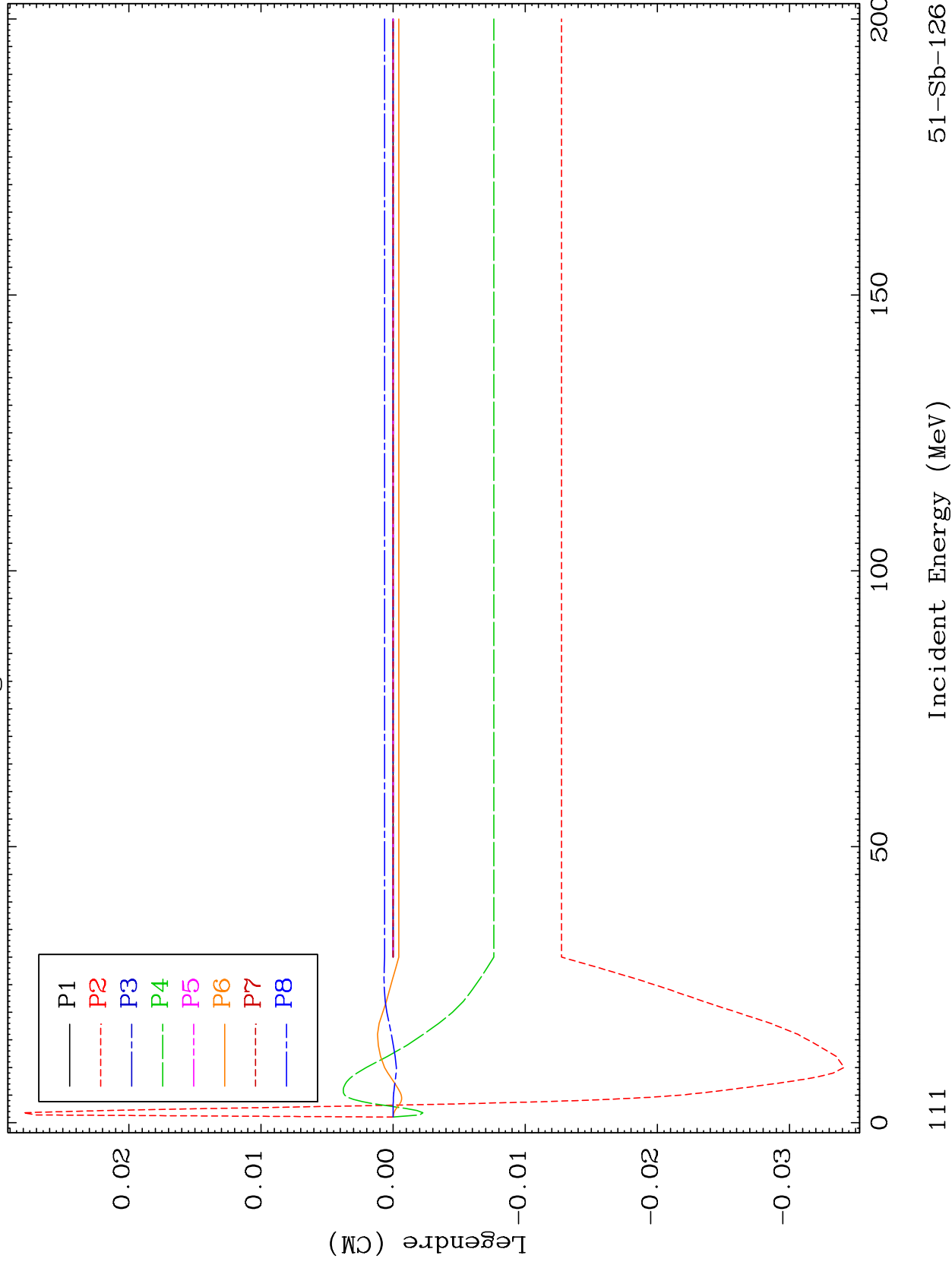




MAT 5140

1.002 MeV (n,n') Level  
Legendre Coefficients

51-Sb-126

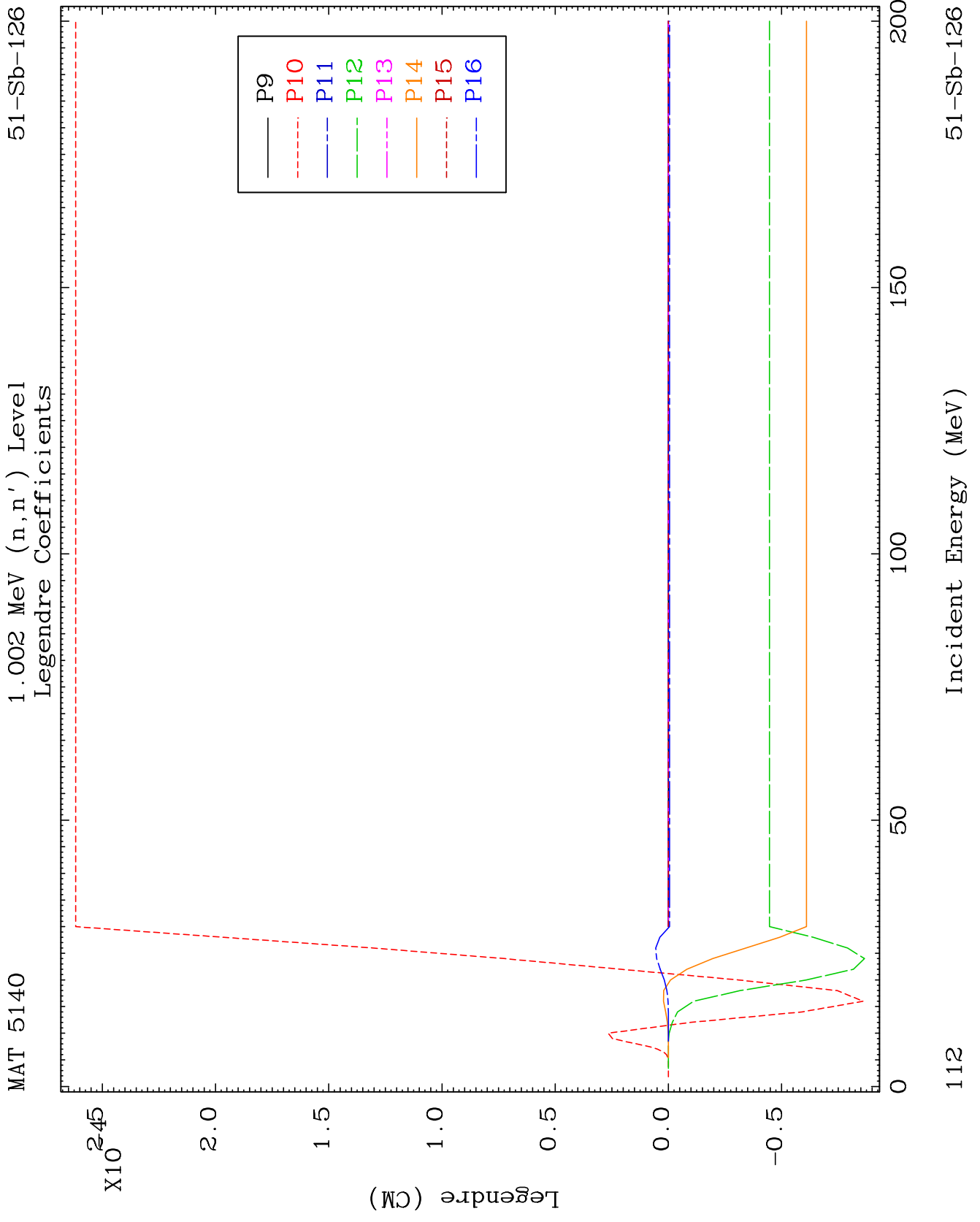


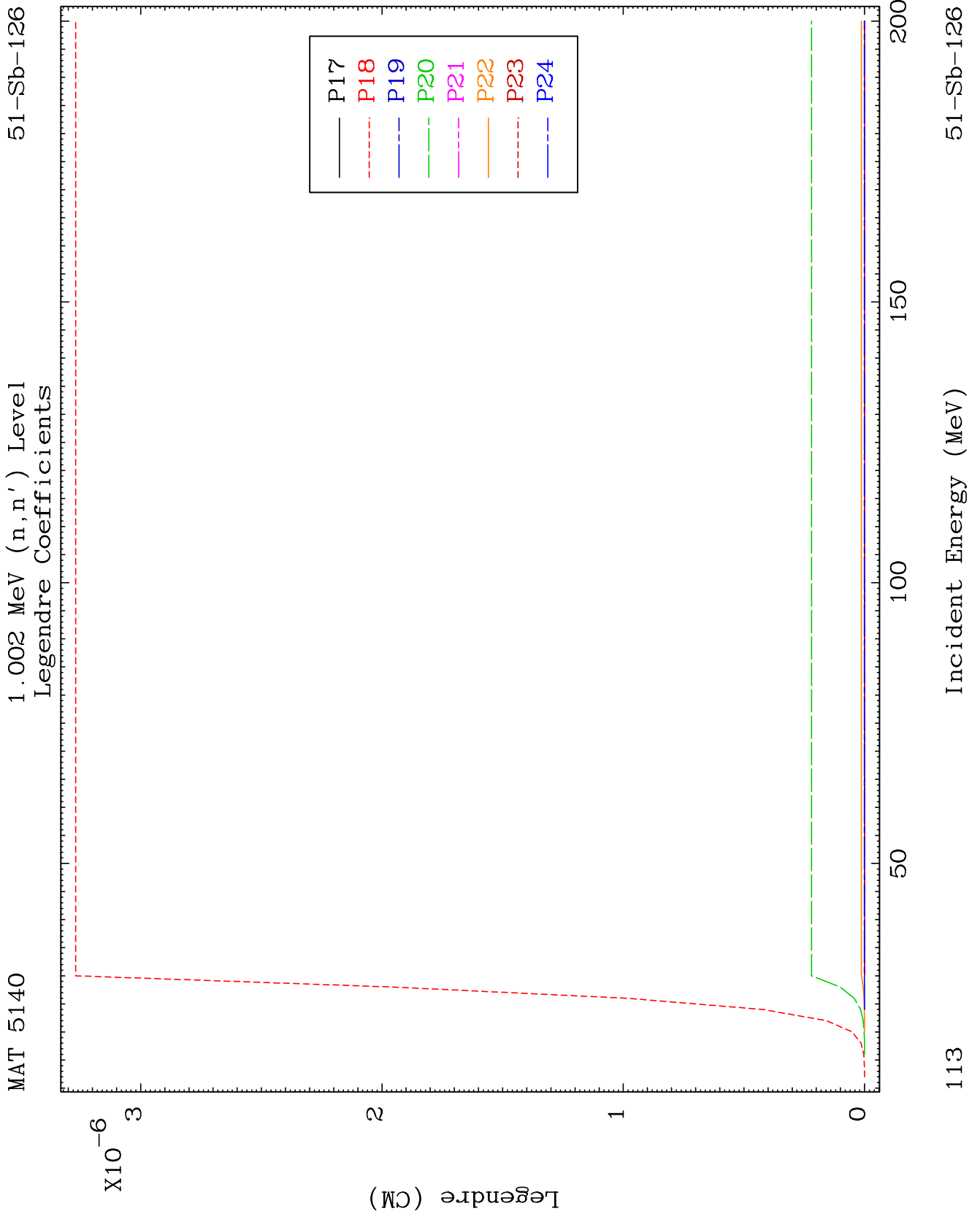
51-Sb-126

Incident Energy (MeV)

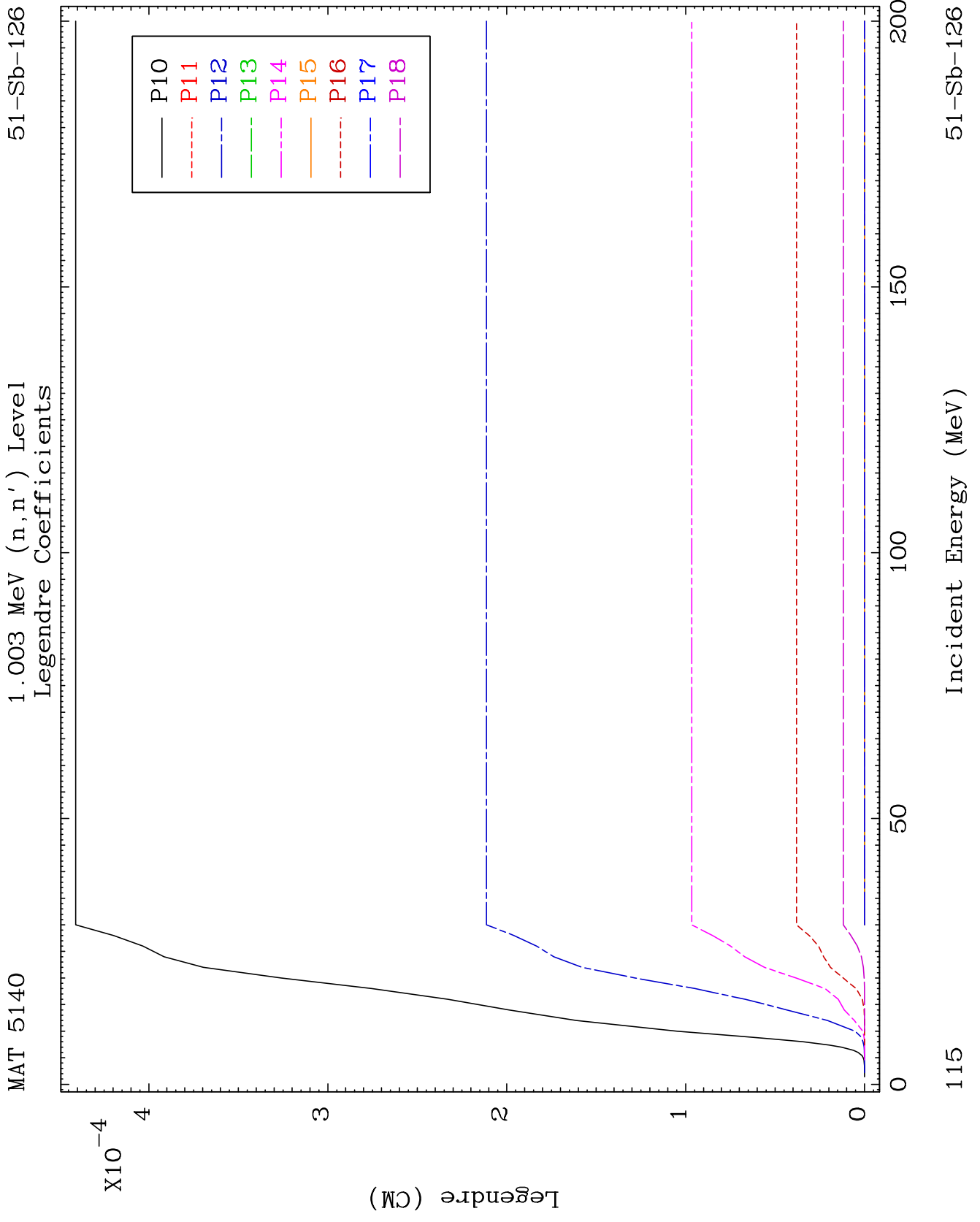
111



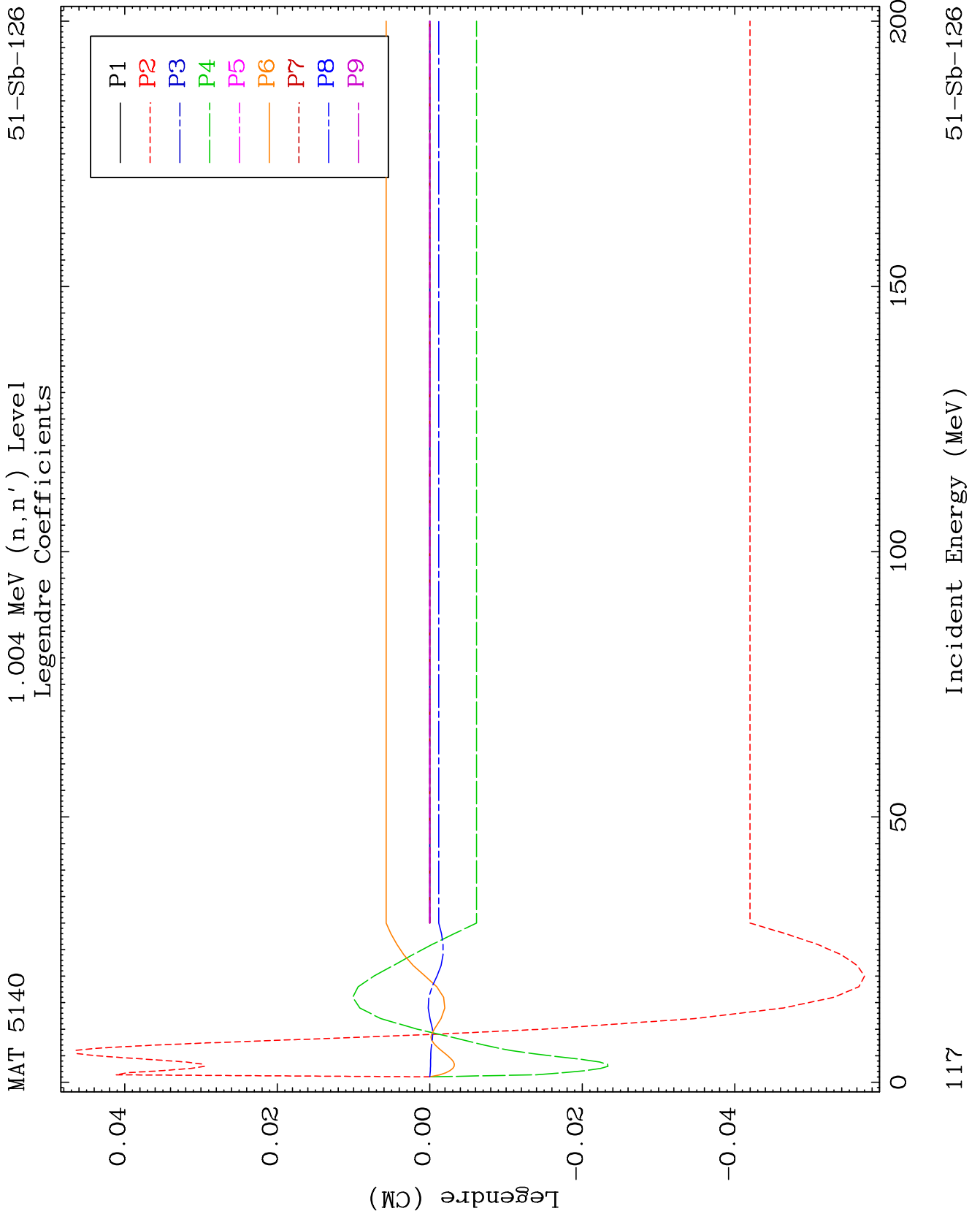


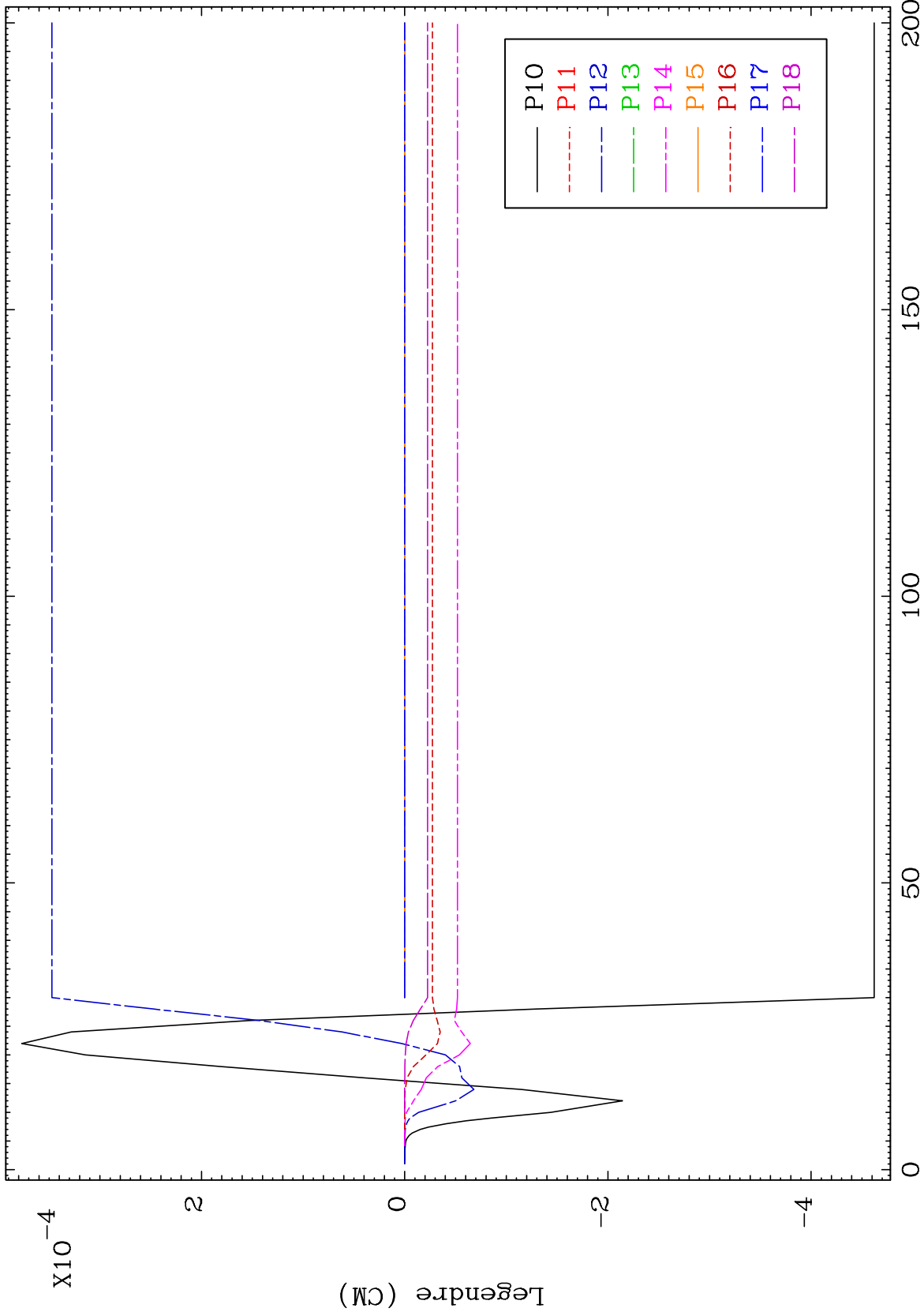


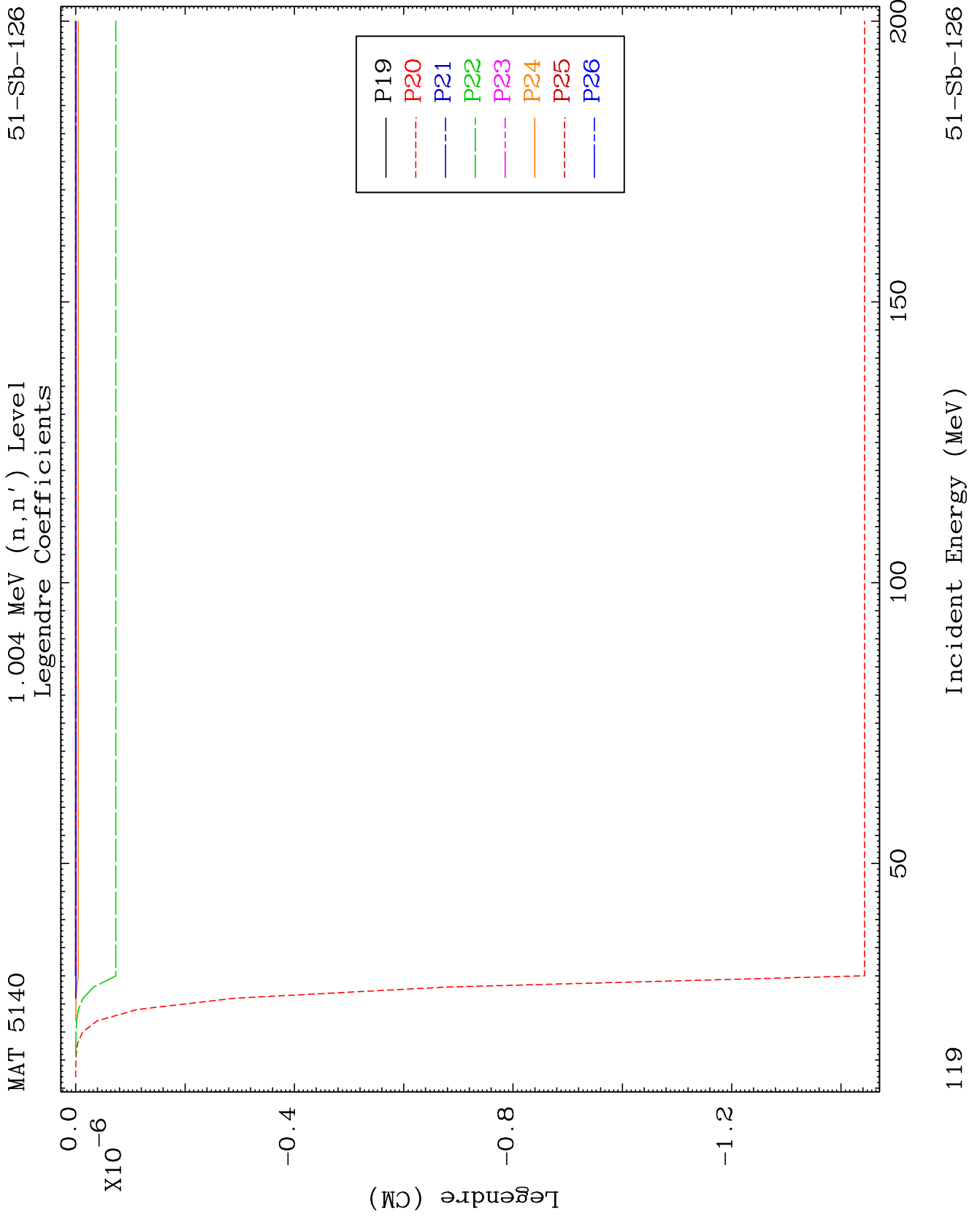










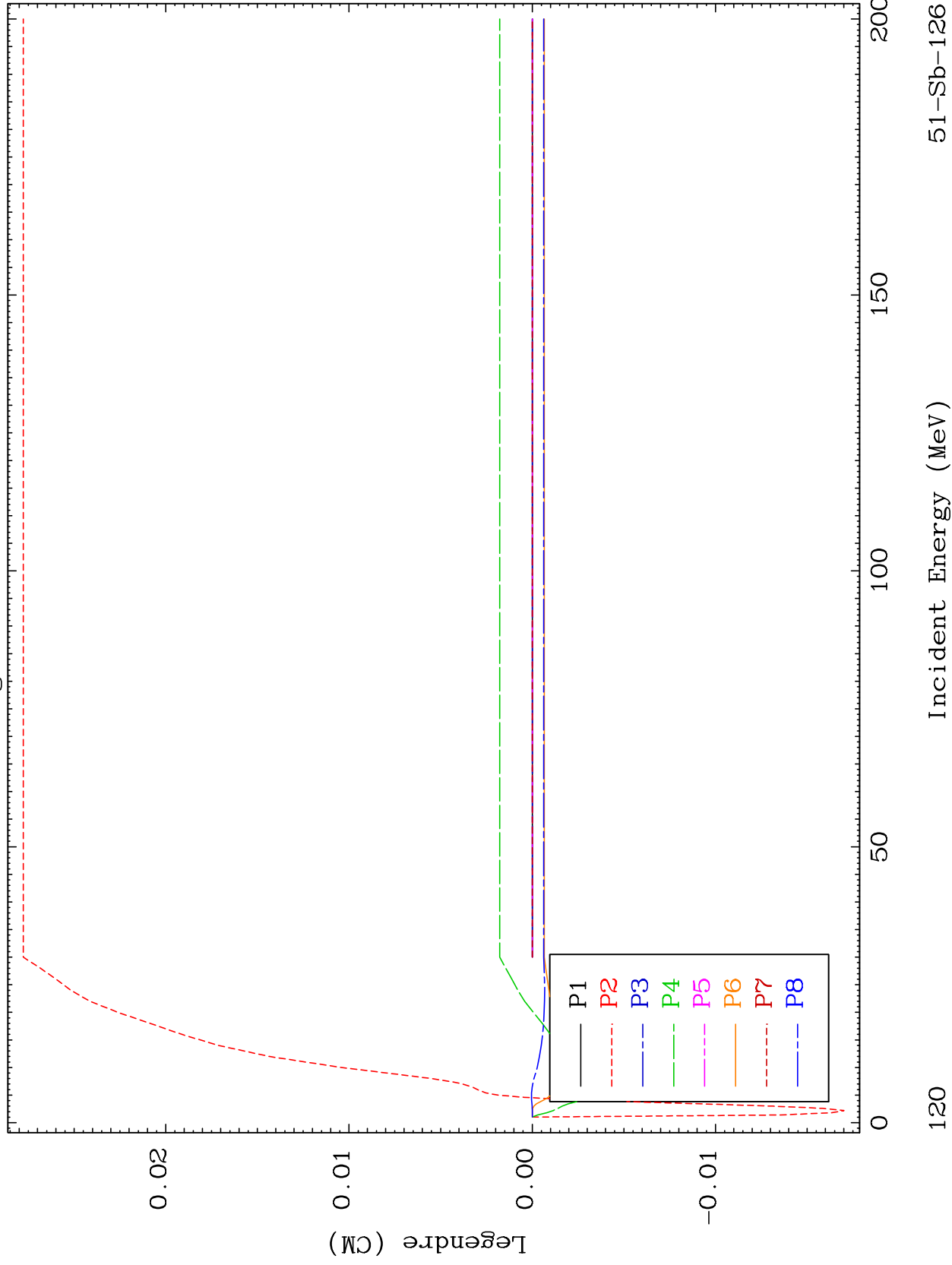




MAT 5140

1.011 MeV (n,n') Level  
Legendre Coefficients

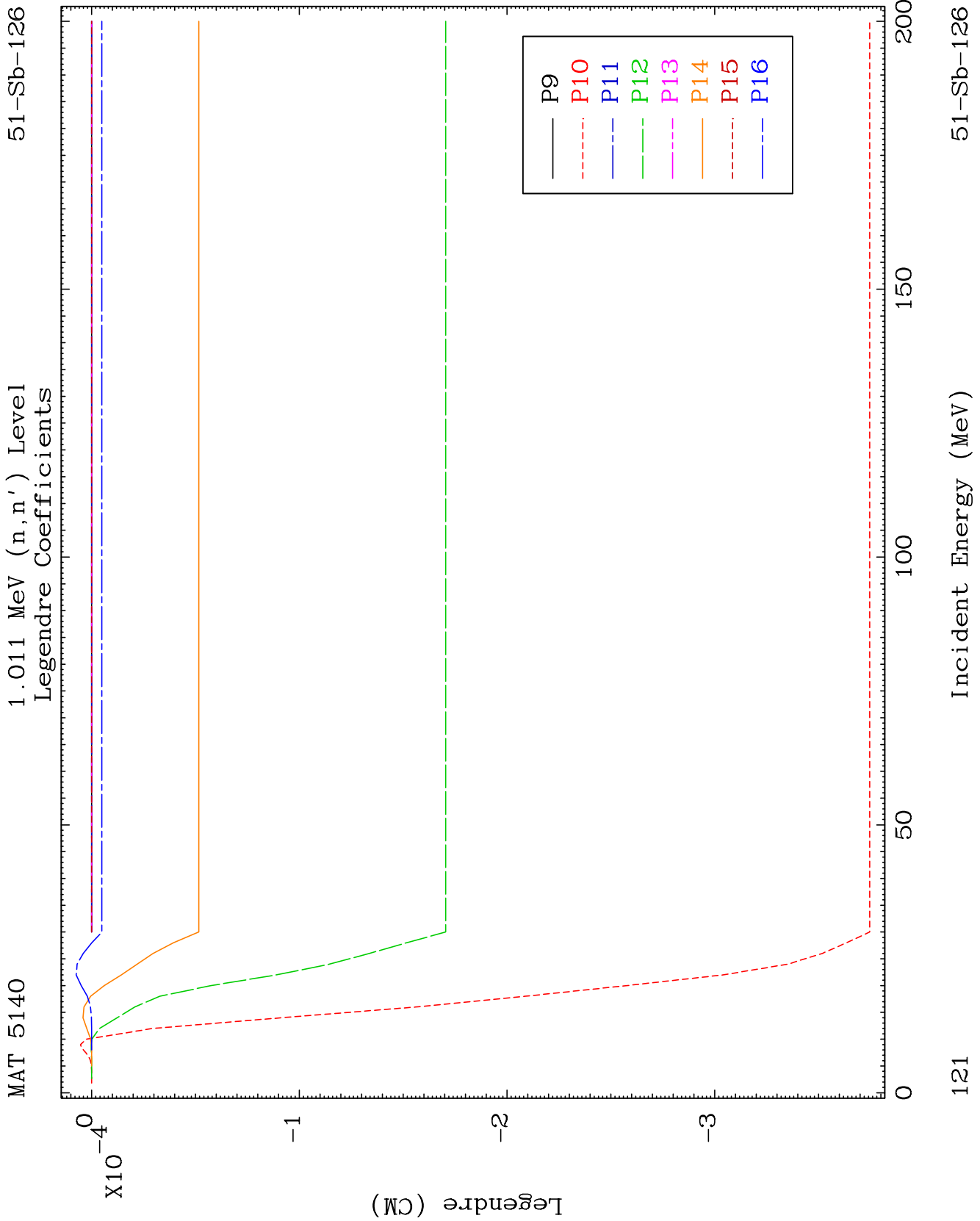
51-Sb-126



51-Sb-126

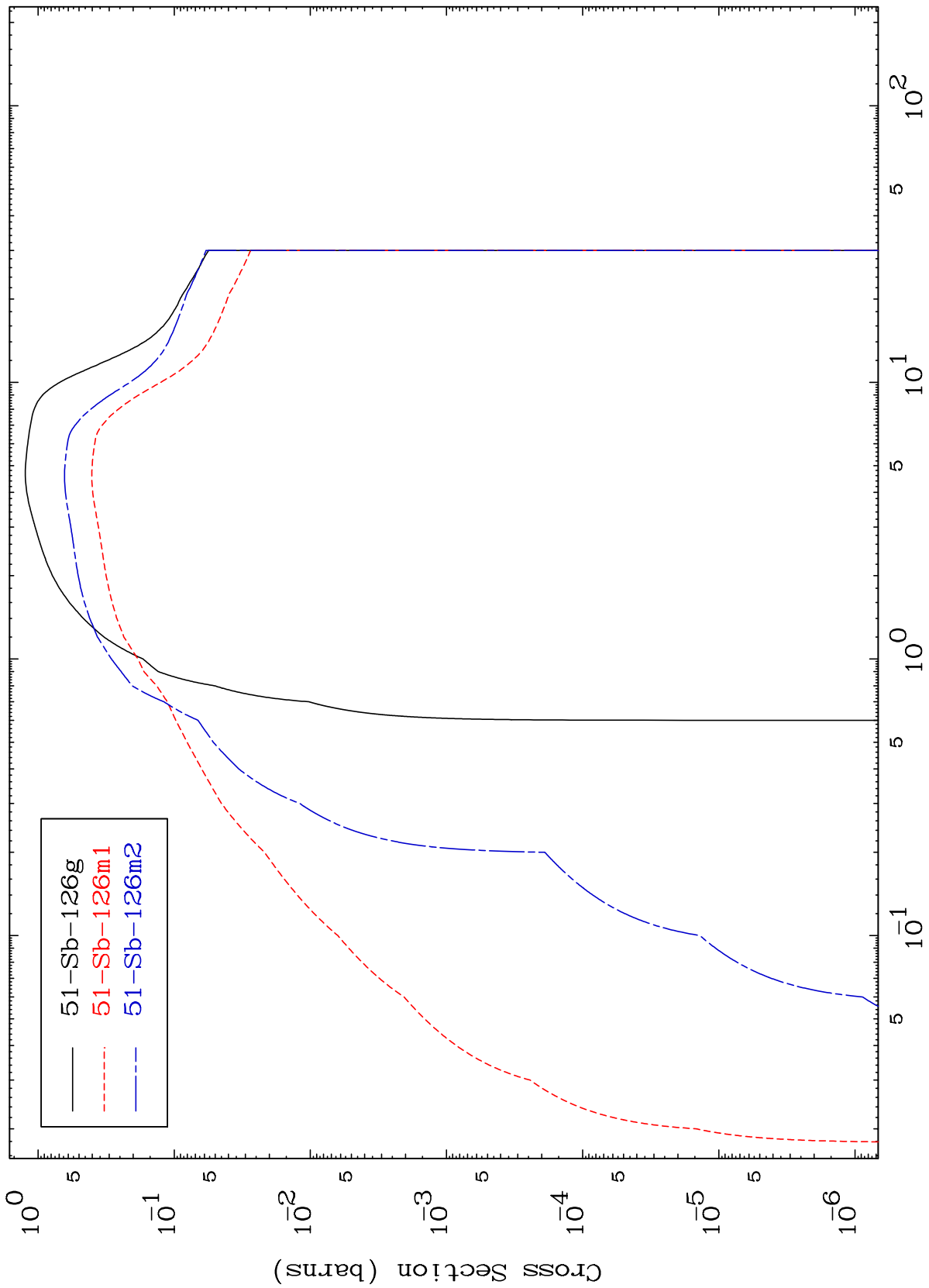
Incident Energy (MeV)

120





Radionuclide Production Cross Section



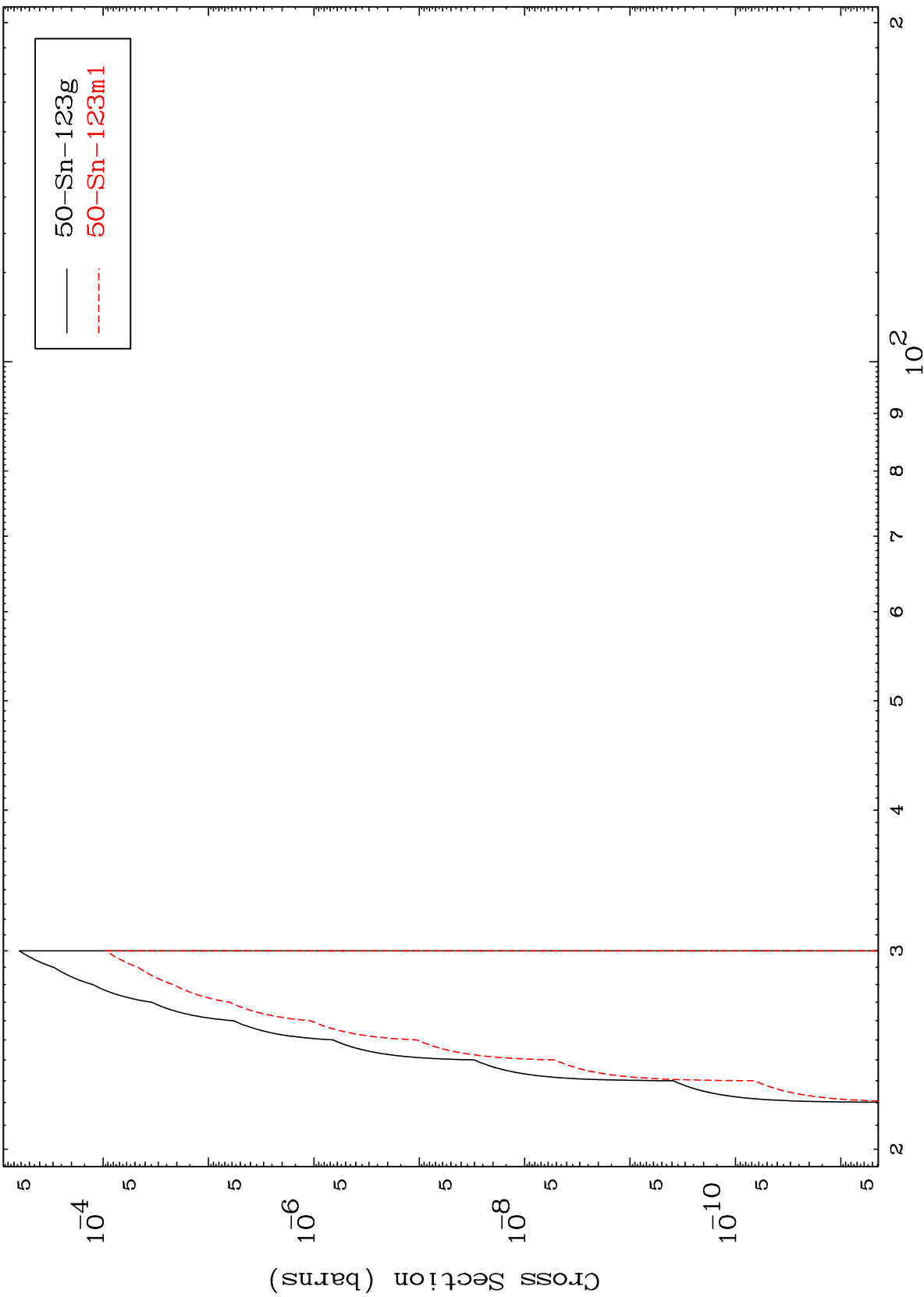
51-Sb-126g  
51-Sb-126m1  
51-Sb-126m2

MAT 5140

(n,2n) d

51-Sb-126

Radionuclide Production Cross Section



124

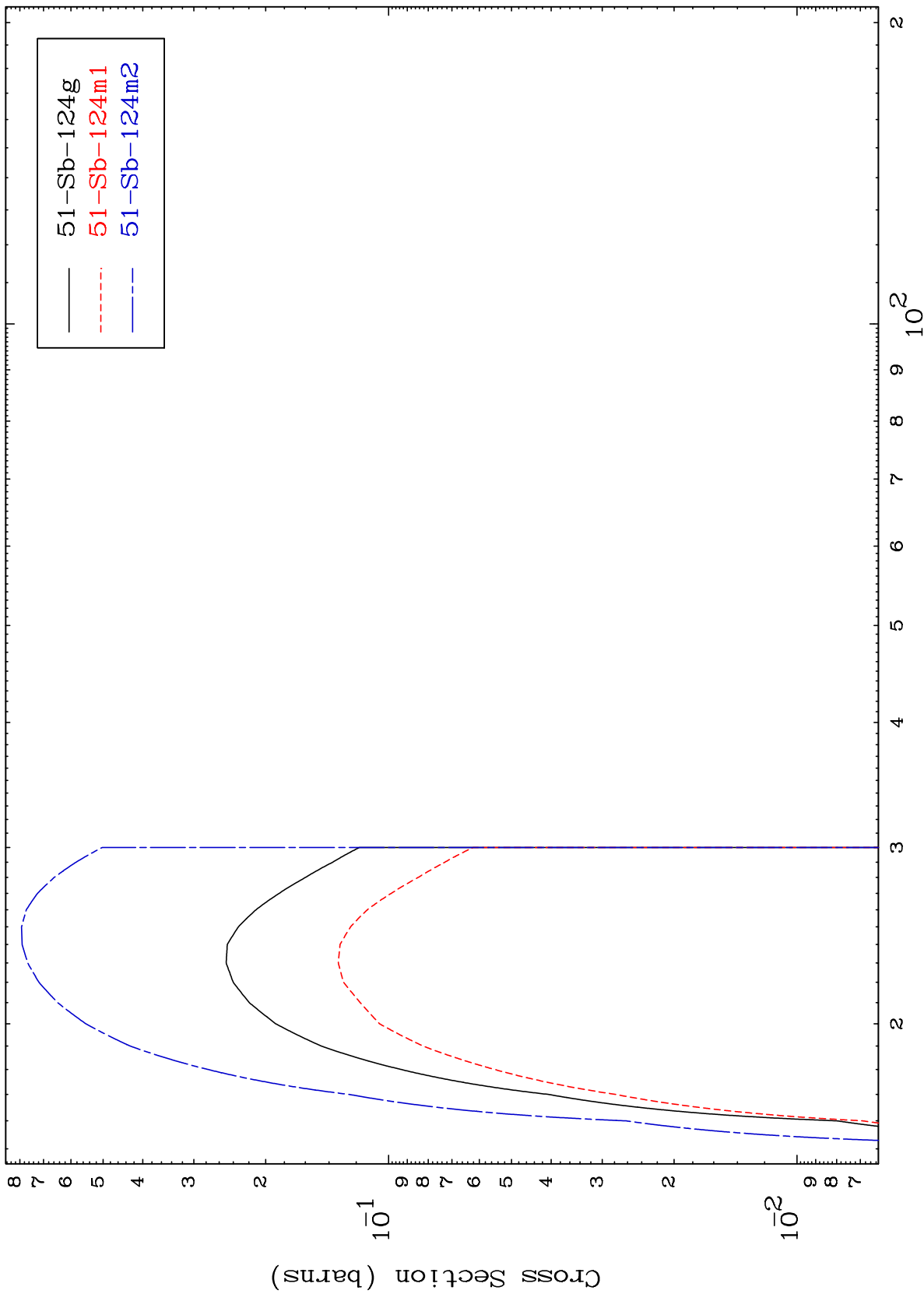
Incident Energy (MeV)

51-Sb-126

MAT 5140

51-Sb-126

(n,3n)  
Radionuclide Production Cross Section

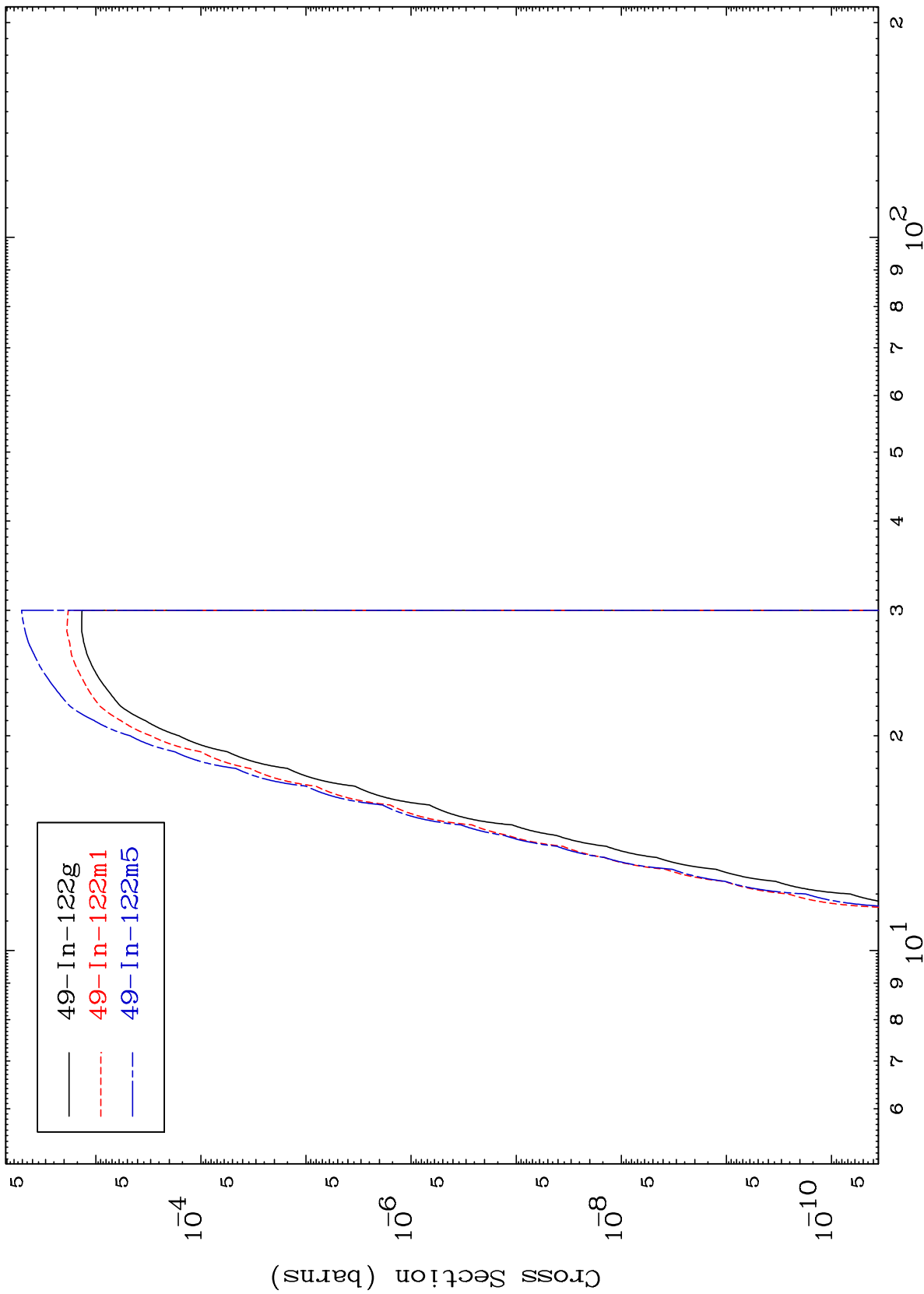


125

Incident Energy (MeV)

51-Sb-126

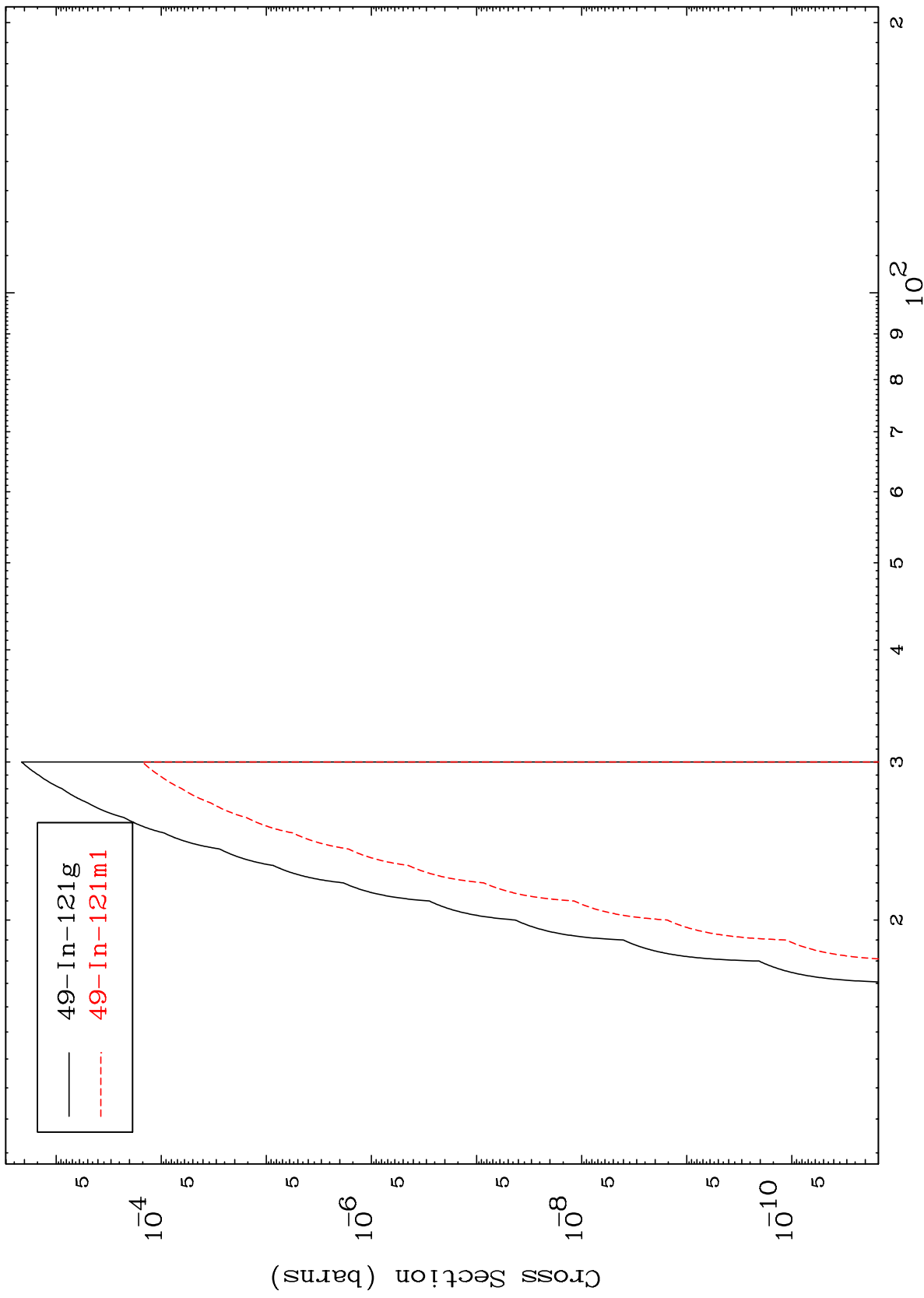
(n,n')  $\alpha$   
Radionuclide Production Cross Section



MAT 5140

51-Sb-126

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



127

51-Sb-126

Incident Energy (MeV)

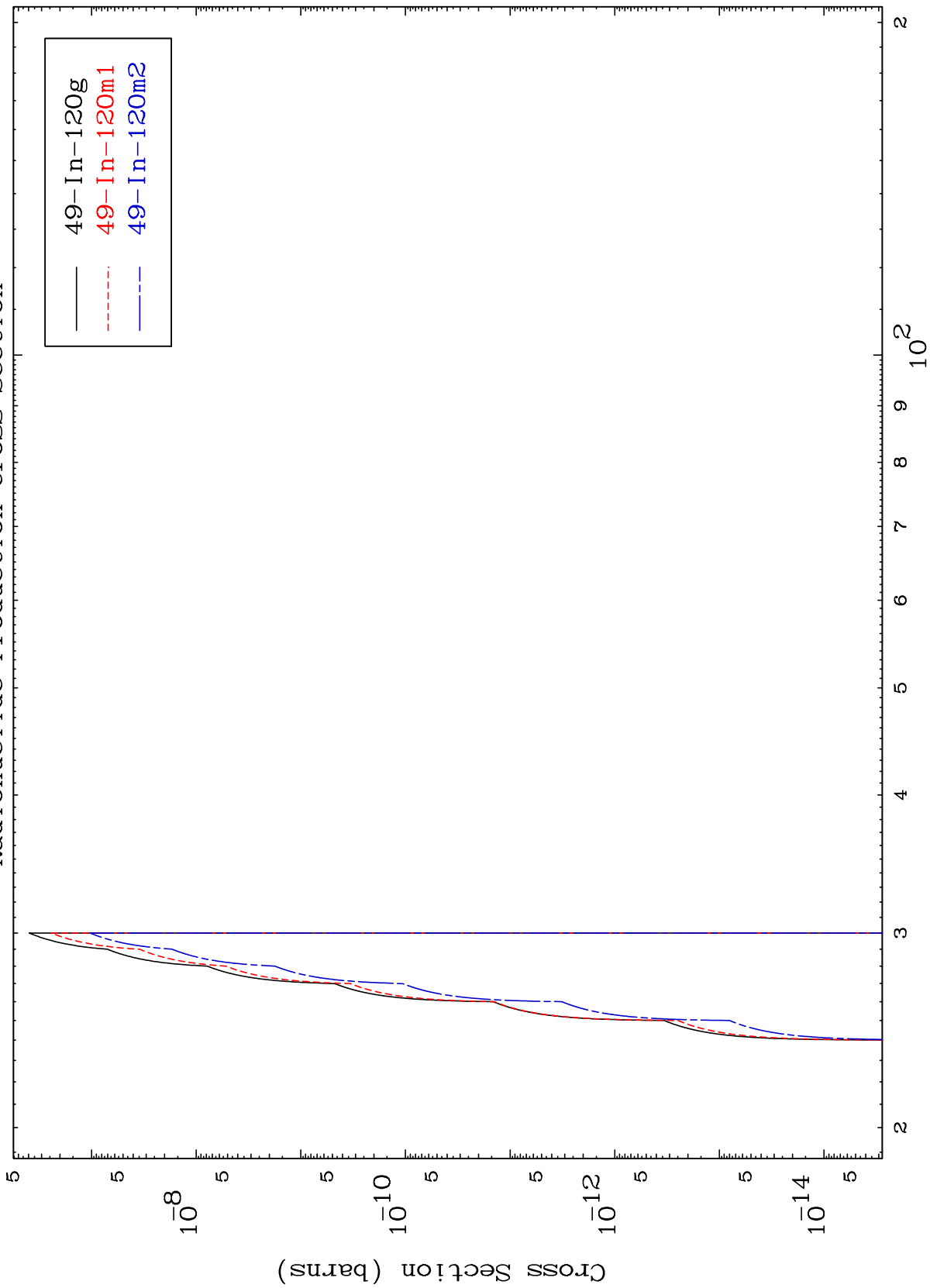


MAT 5140

(n,3n)  $\alpha$

51-Sb-126

Radionuclide Production Cross Section



128

Incident Energy (MeV)

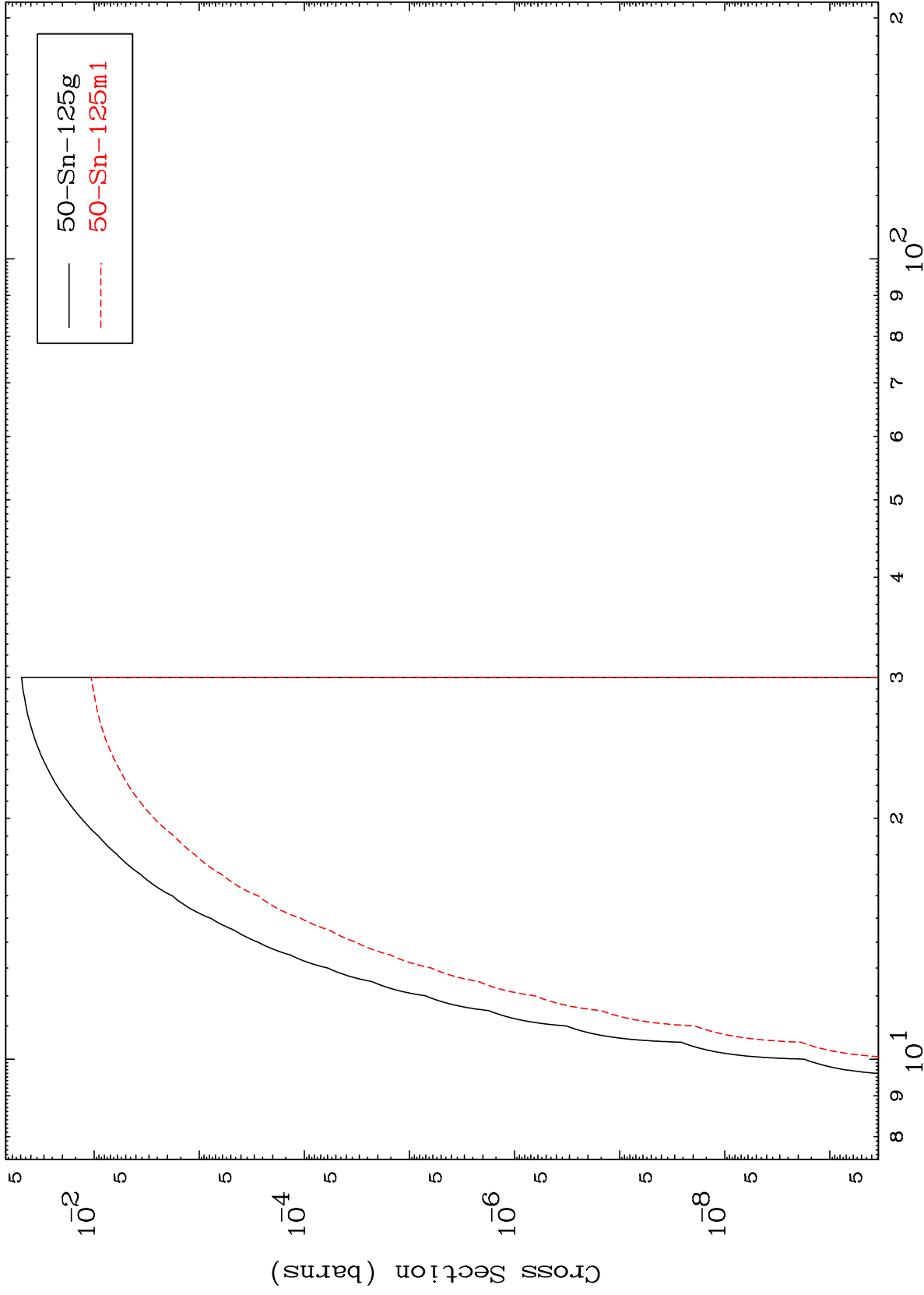
51-Sb-126

MAT 5140

(n,n') p

51-Sb-126

Radionuclide Production Cross Section



129

Incident Energy (MeV)

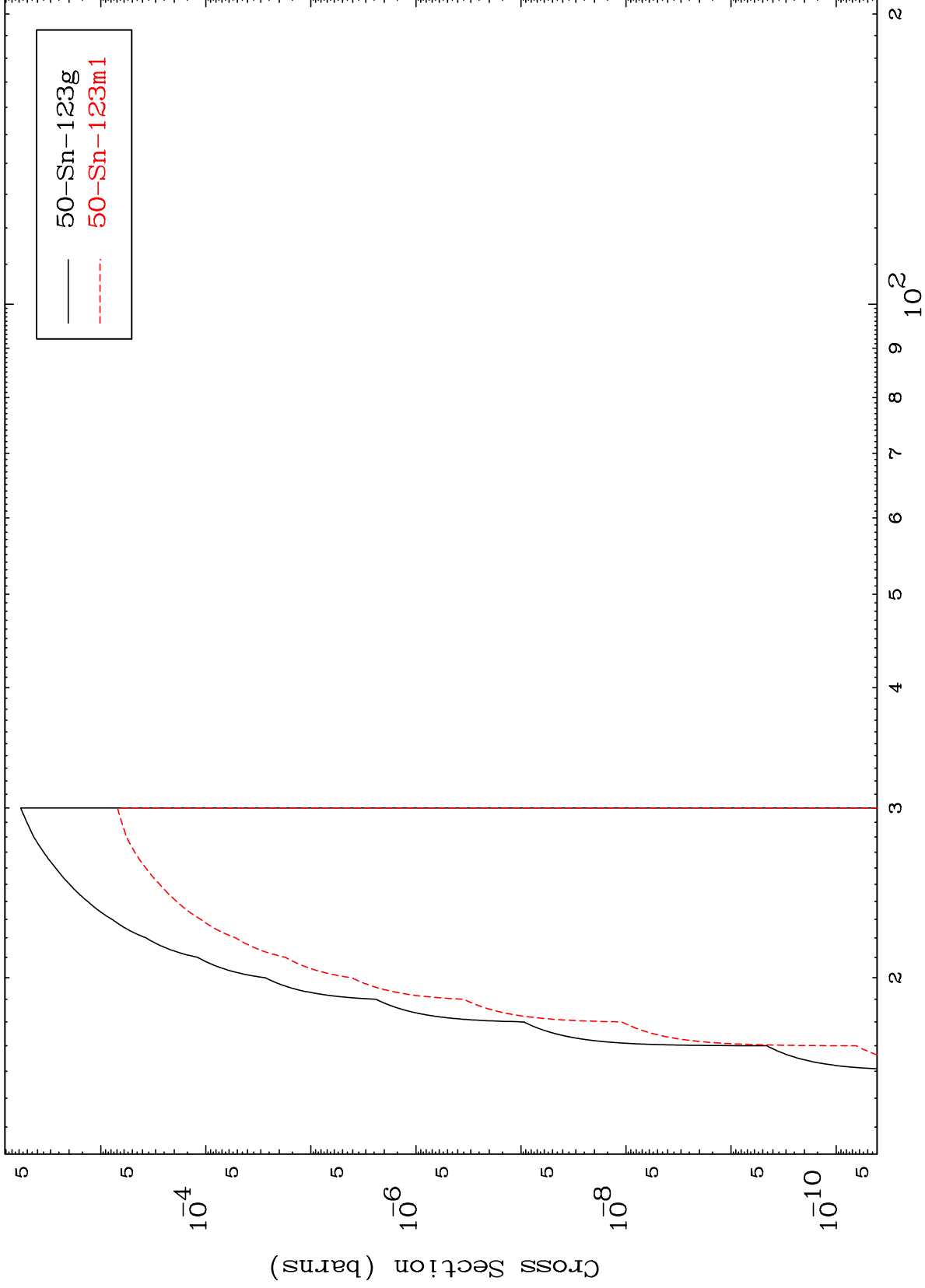
51-Sb-126

MAT 5140

(n,n') t

51-Sb-126

Radionuclide Production Cross Section



130

Incident Energy (MeV)

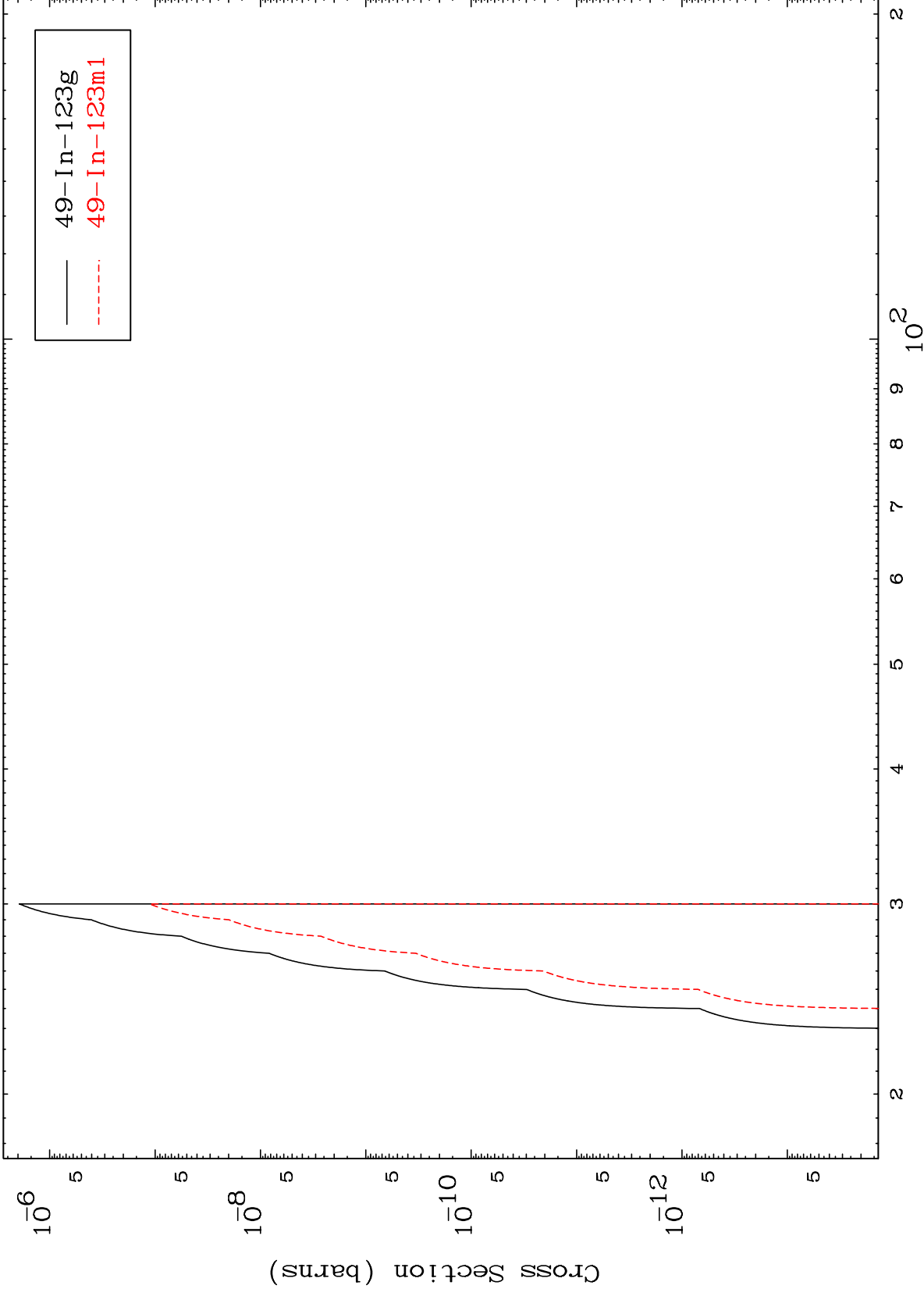
51-Sb-126

MAT 5140

(n,n') He-3

51-Sb-126

Radionuclide Production Cross Section



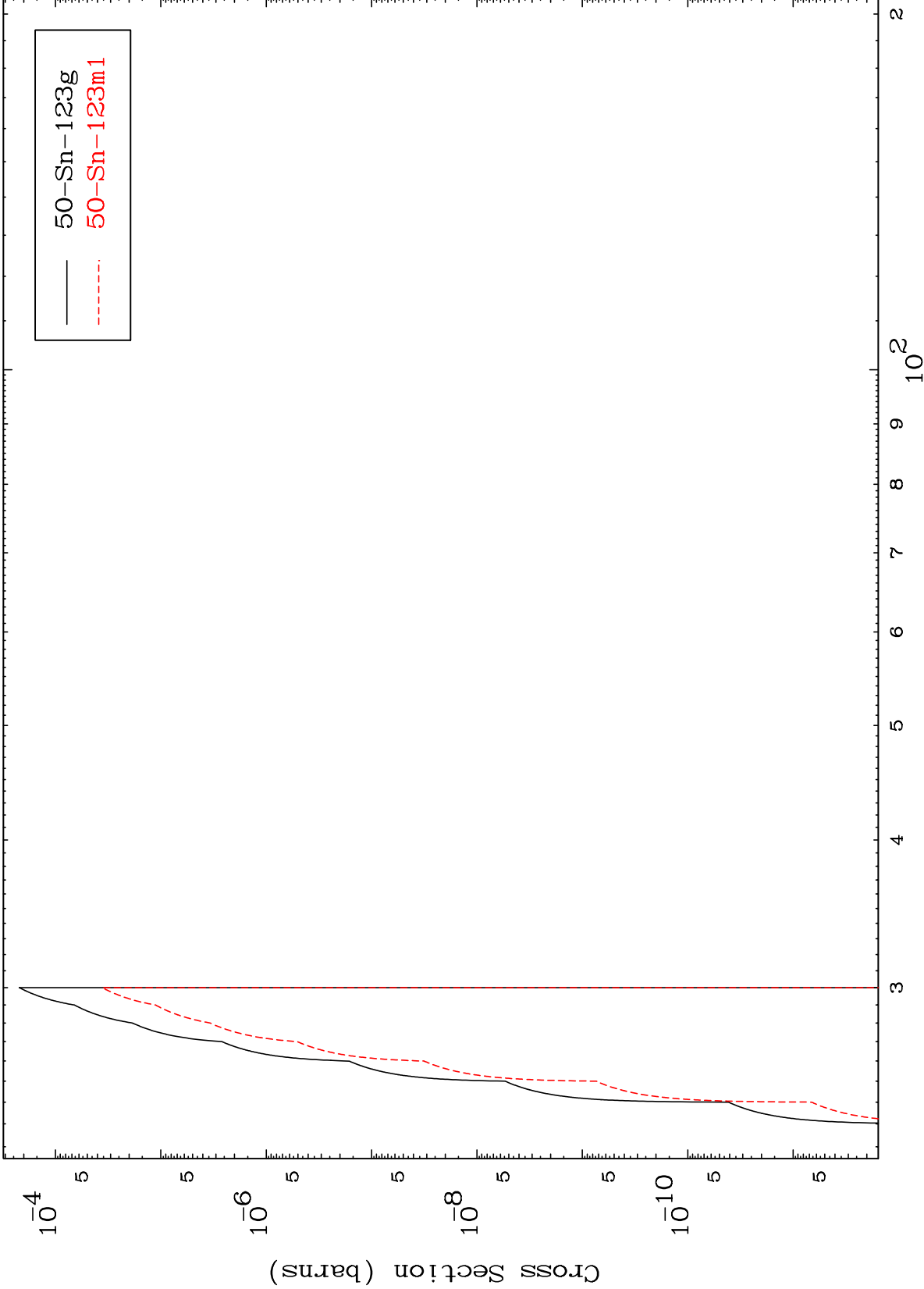
— 49-In-123g  
- - - 49-In-123m1

131

Incident Energy (MeV)

51-Sb-126

Radionuclide Production Cross Section

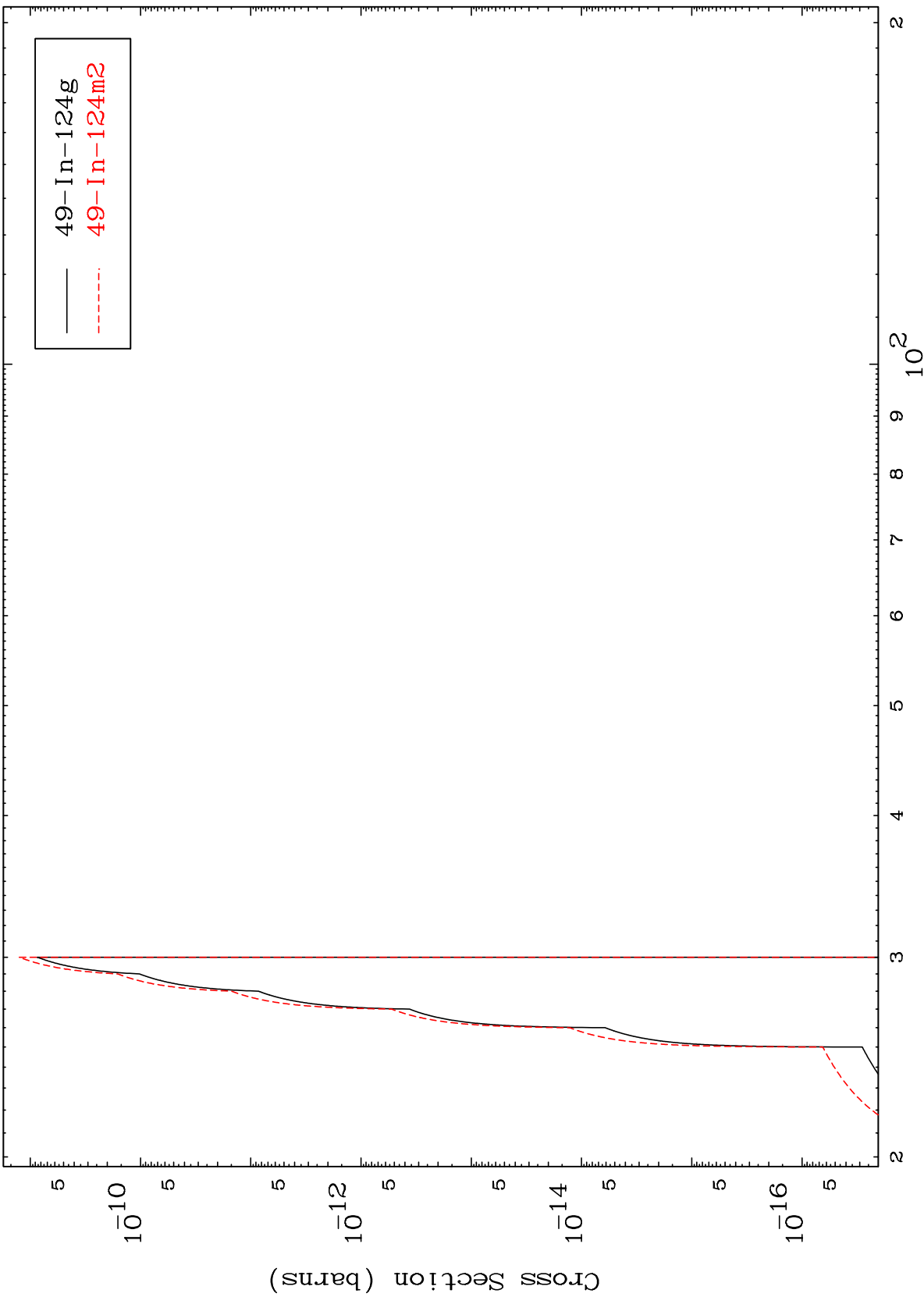


MAT 5140

(n,2n) p

51-Sb-126

Radionuclide Production Cross Section



133

Incident Energy (MeV)

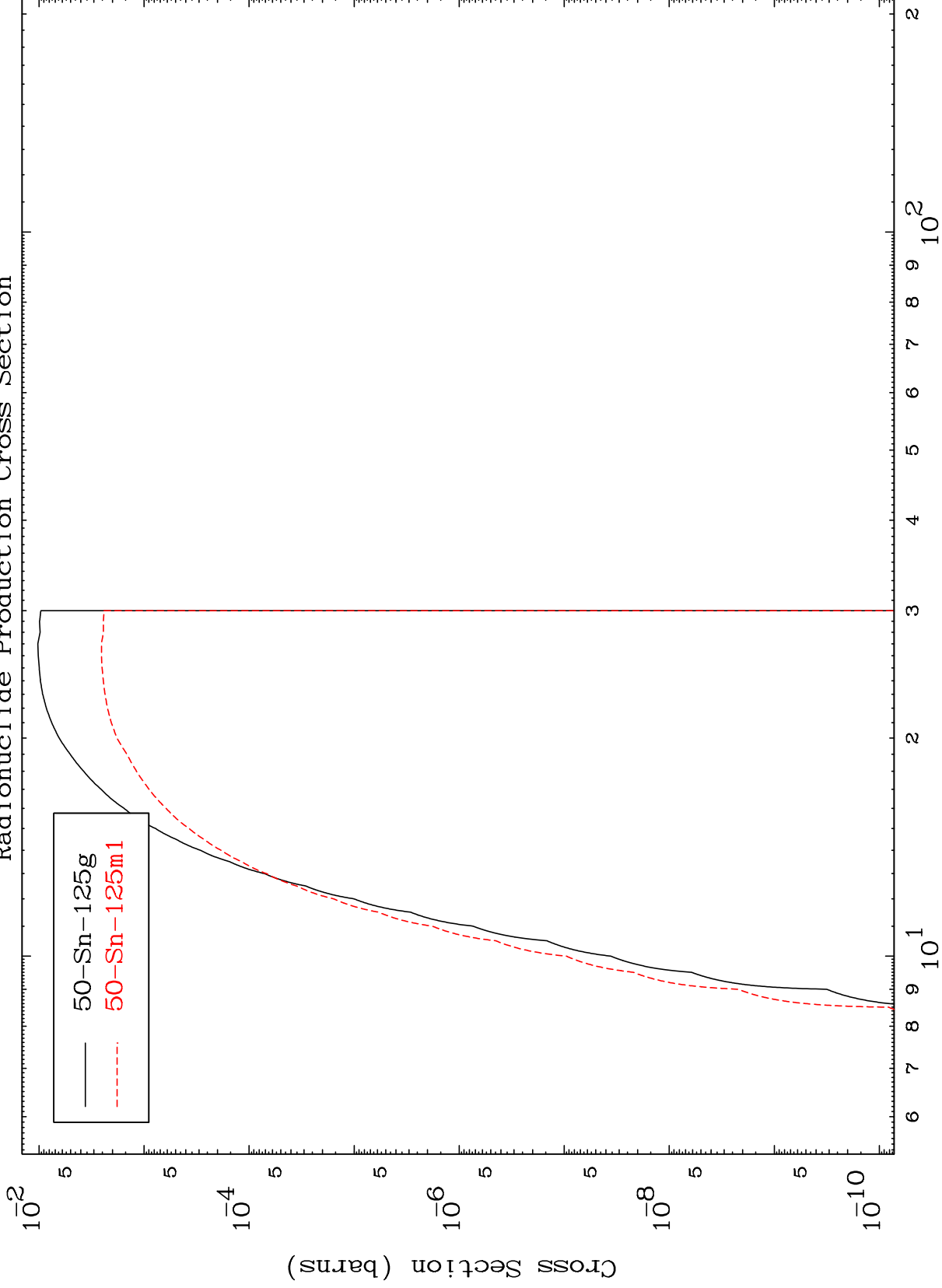
51-Sb-126

MAT 5140

(n,d)

51-Sb-126

Radionuclide Production Cross Section

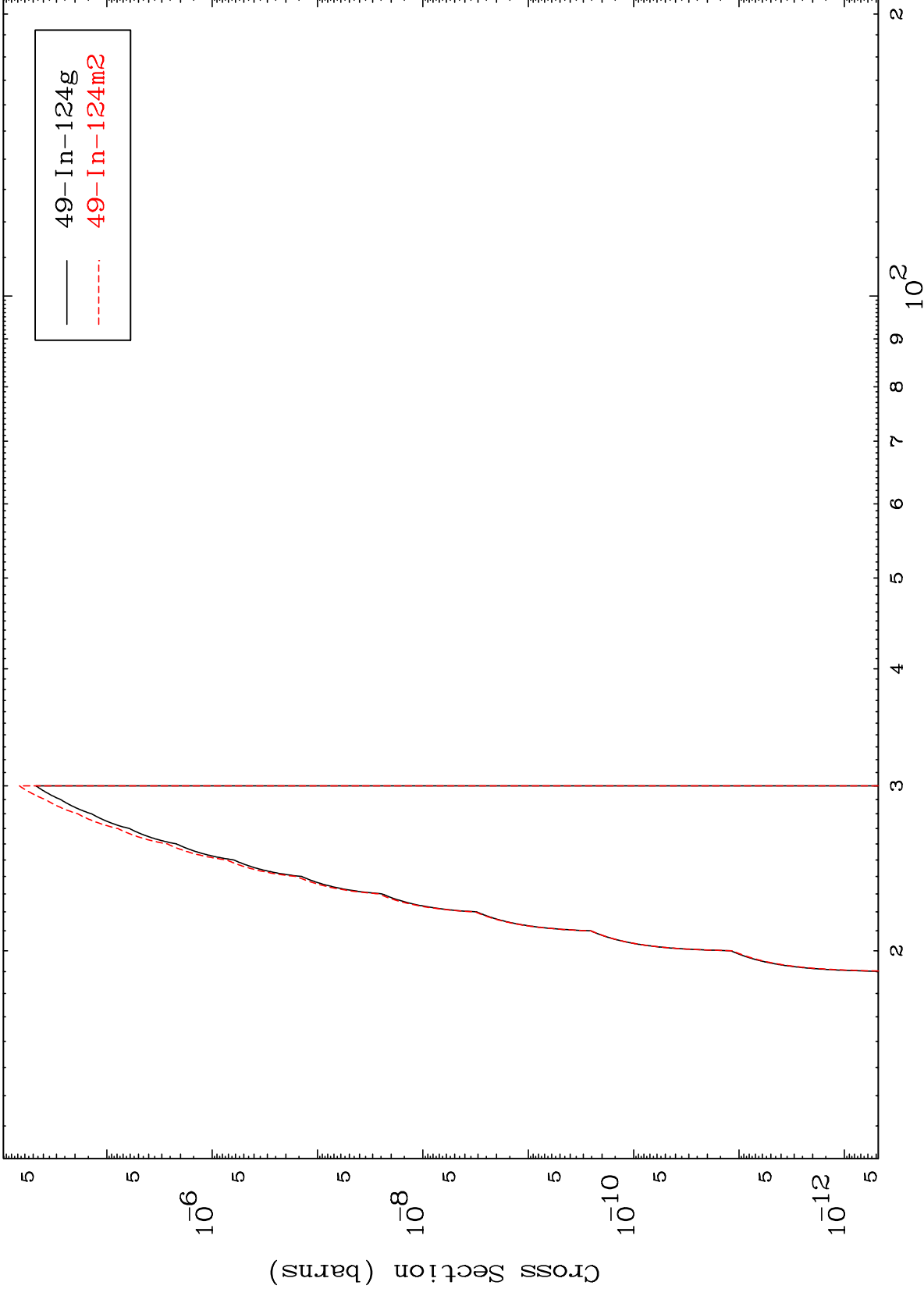


134

Incident Energy (MeV)

51-Sb-126

Radionuclide Production Cross Section



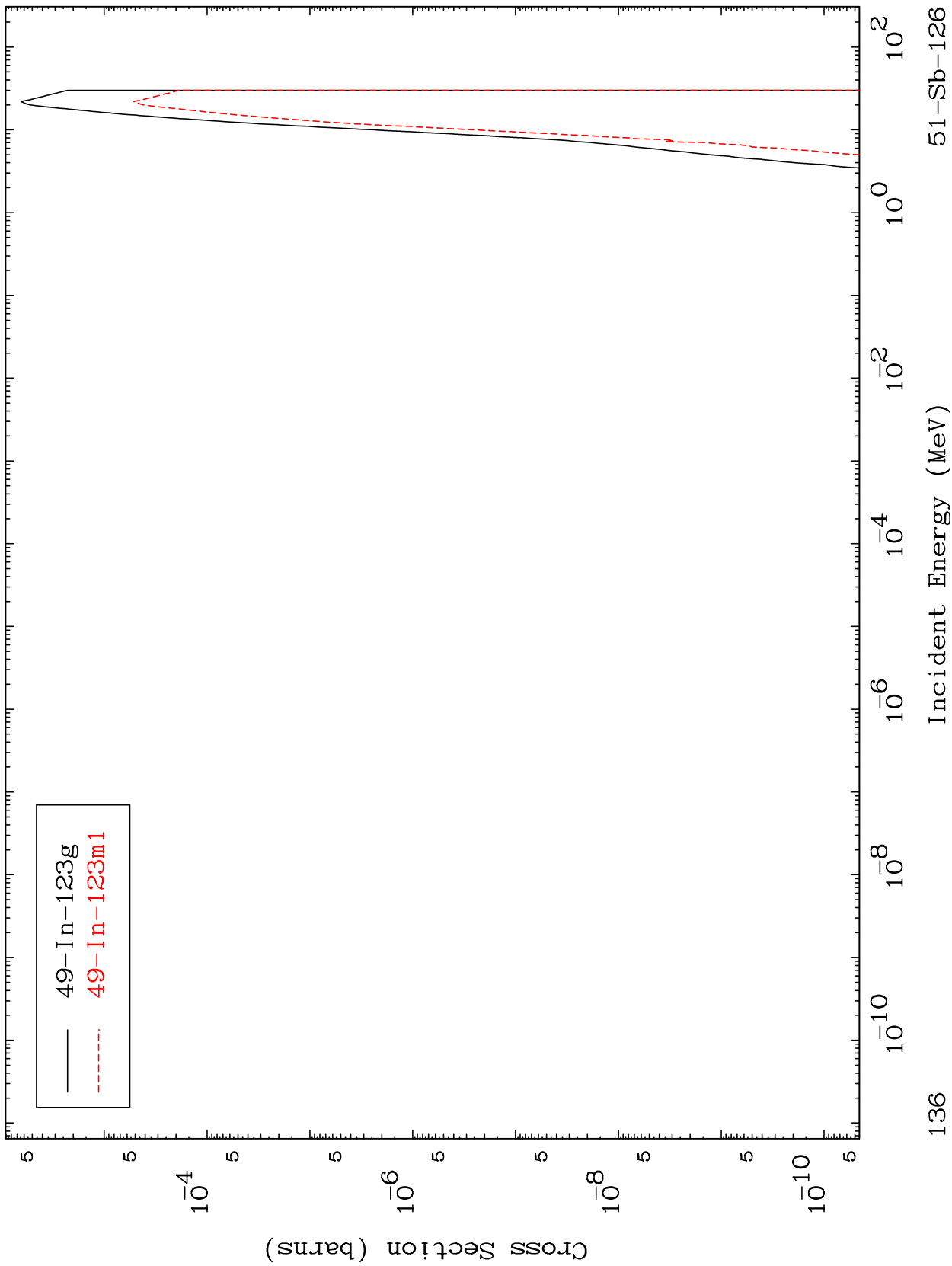
49-In-124g  
49-In-124m2



MAT 5140

51-Sb-126

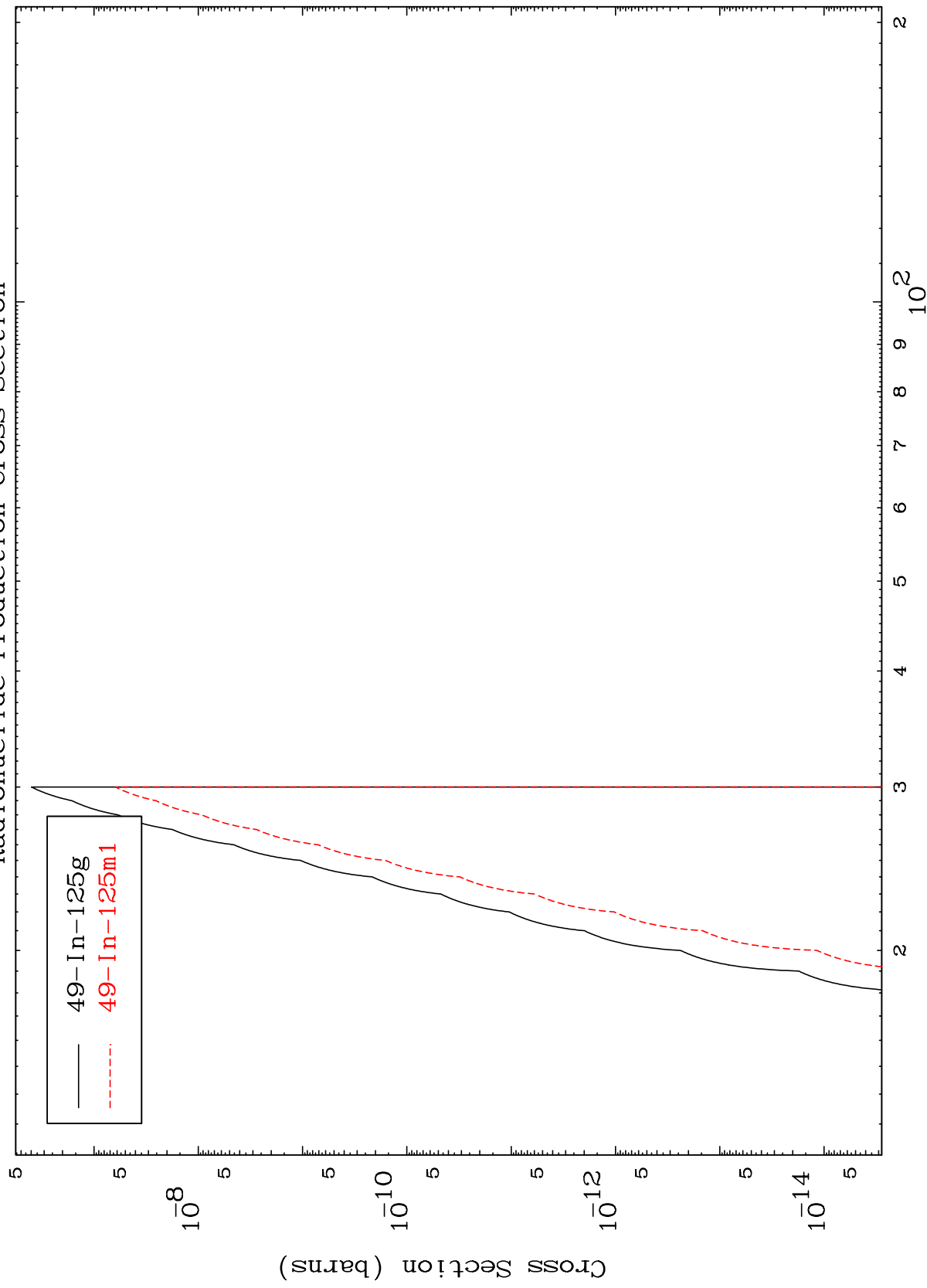
(n,  $\alpha$ )  
Radionuclide Production Cross Section



MAT 5140

51-Sb-126

(n,2p)  
Radionuclide Production Cross Section



137

Incident Energy (MeV)

51-Sb-126