

Program EVALPLOT  
(Version 2015-2)

by

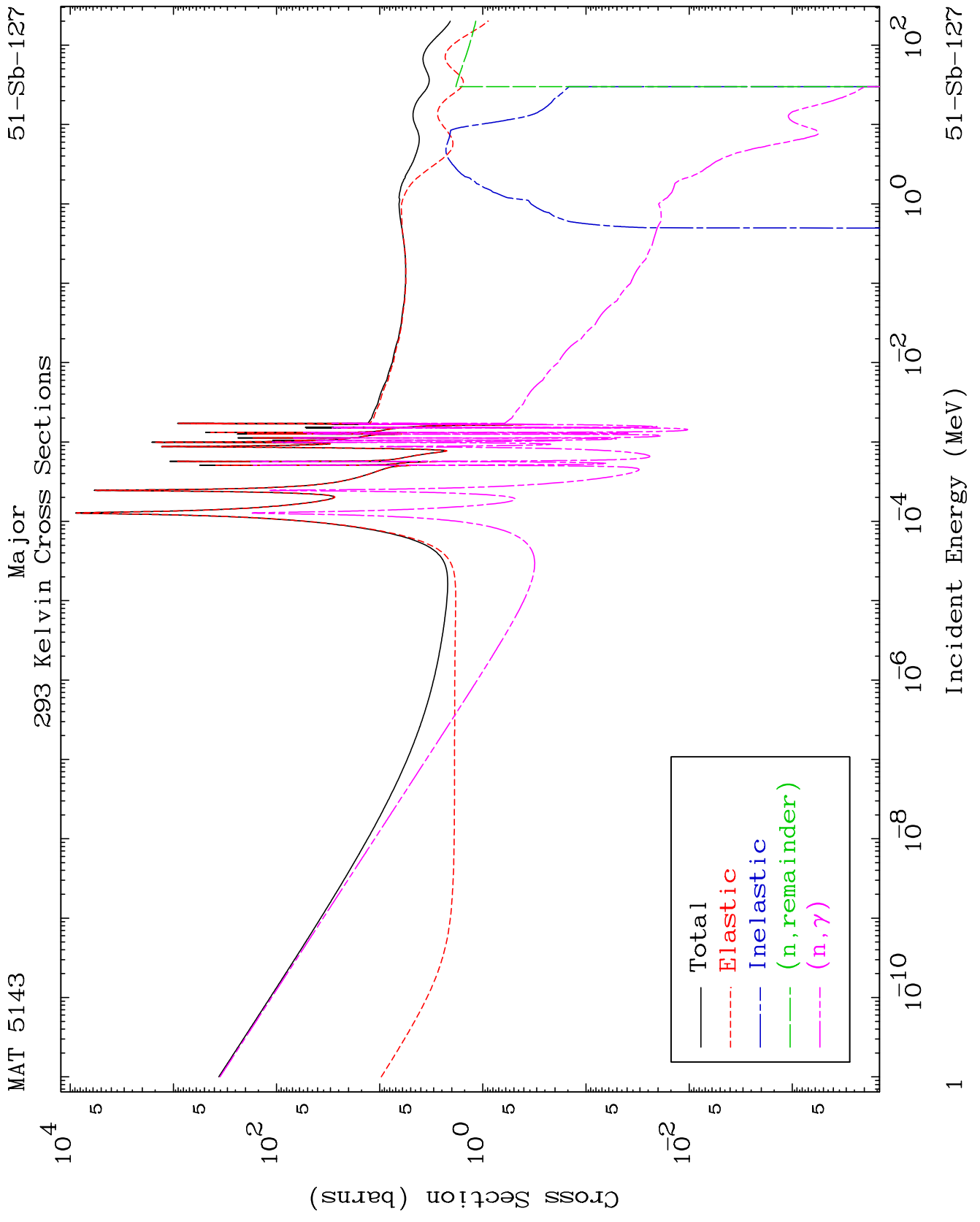
Dermott E. Cullen  
(Present Contact Information)

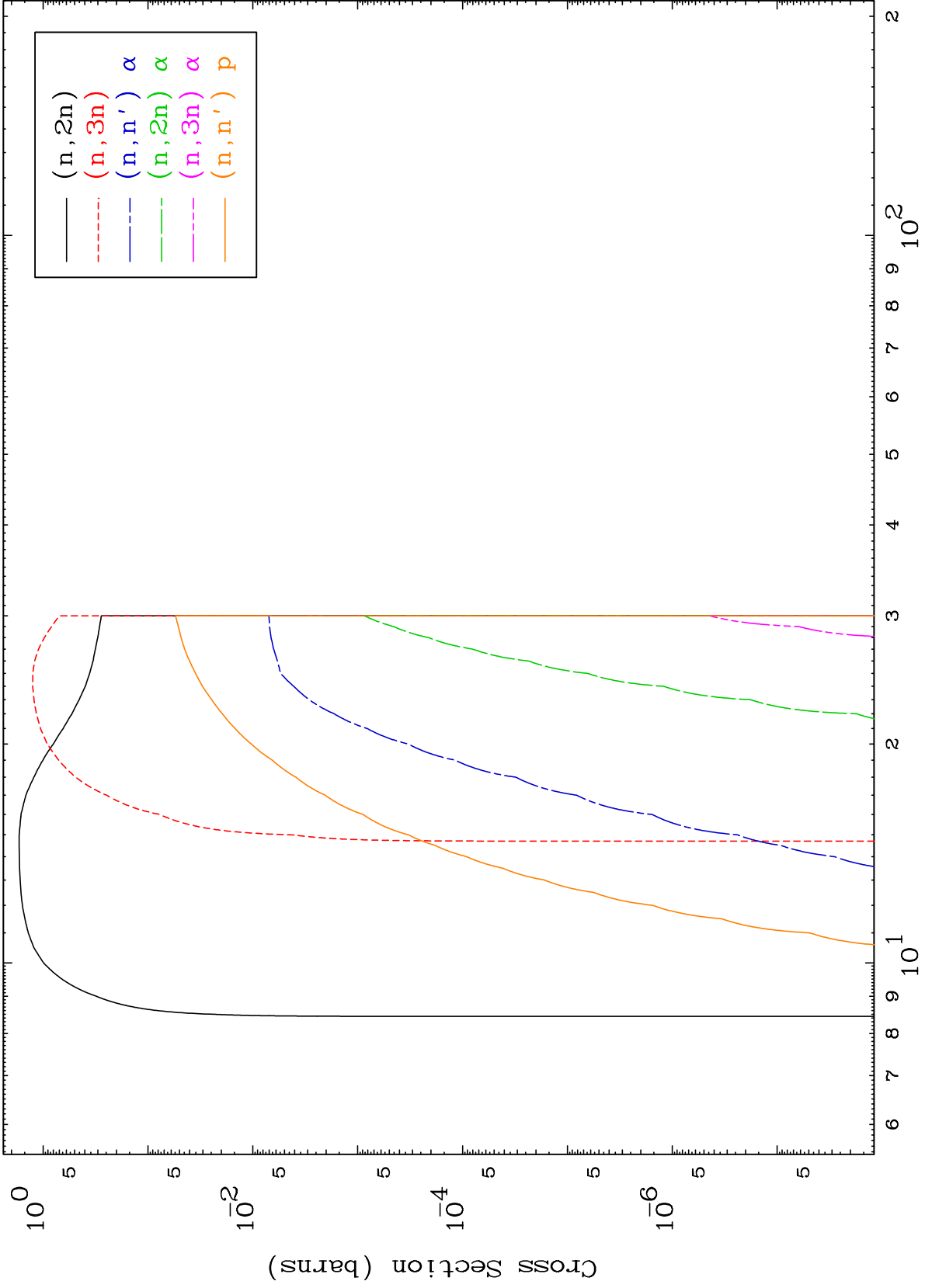
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

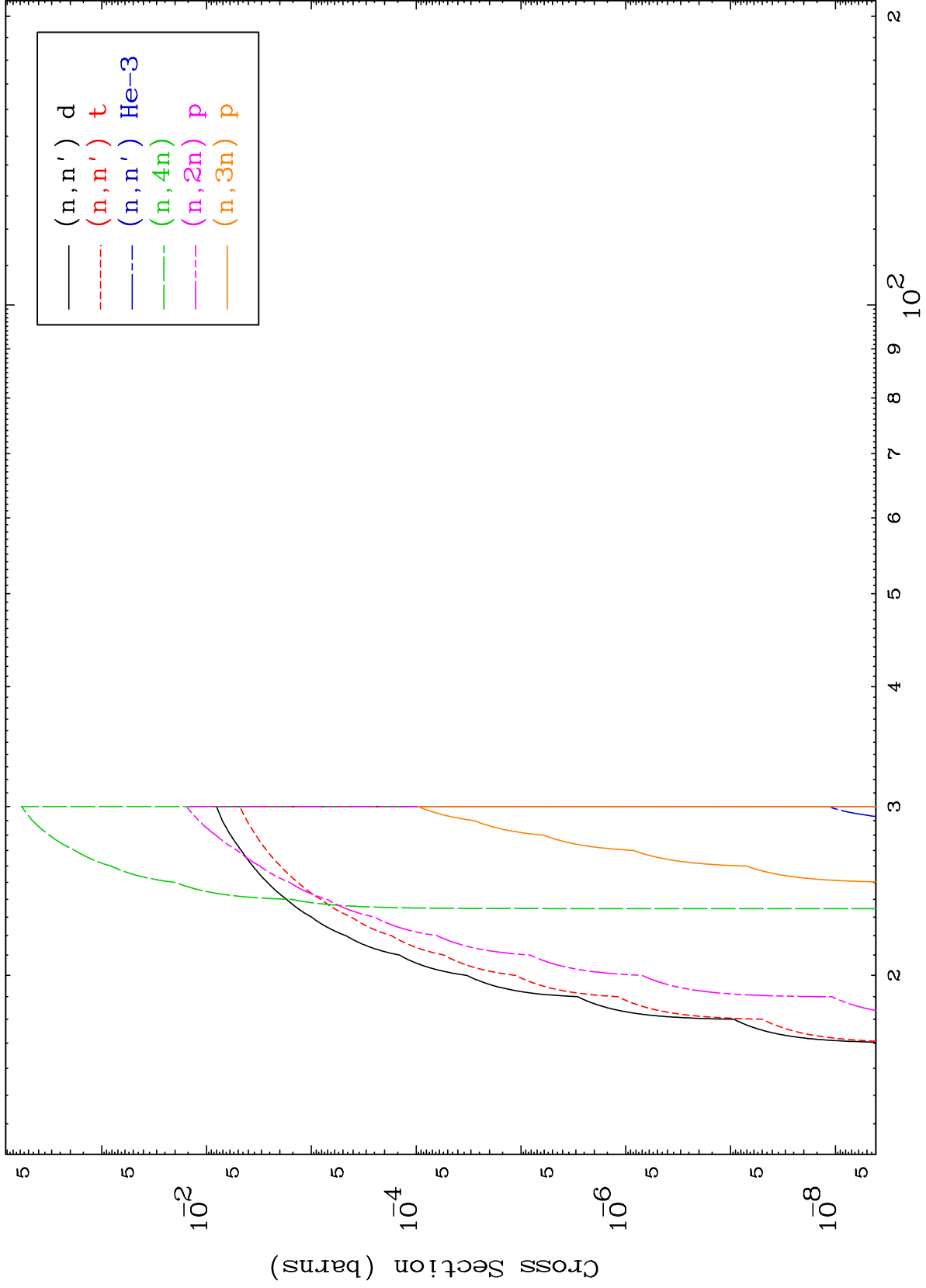
Tele: 925-443-1911

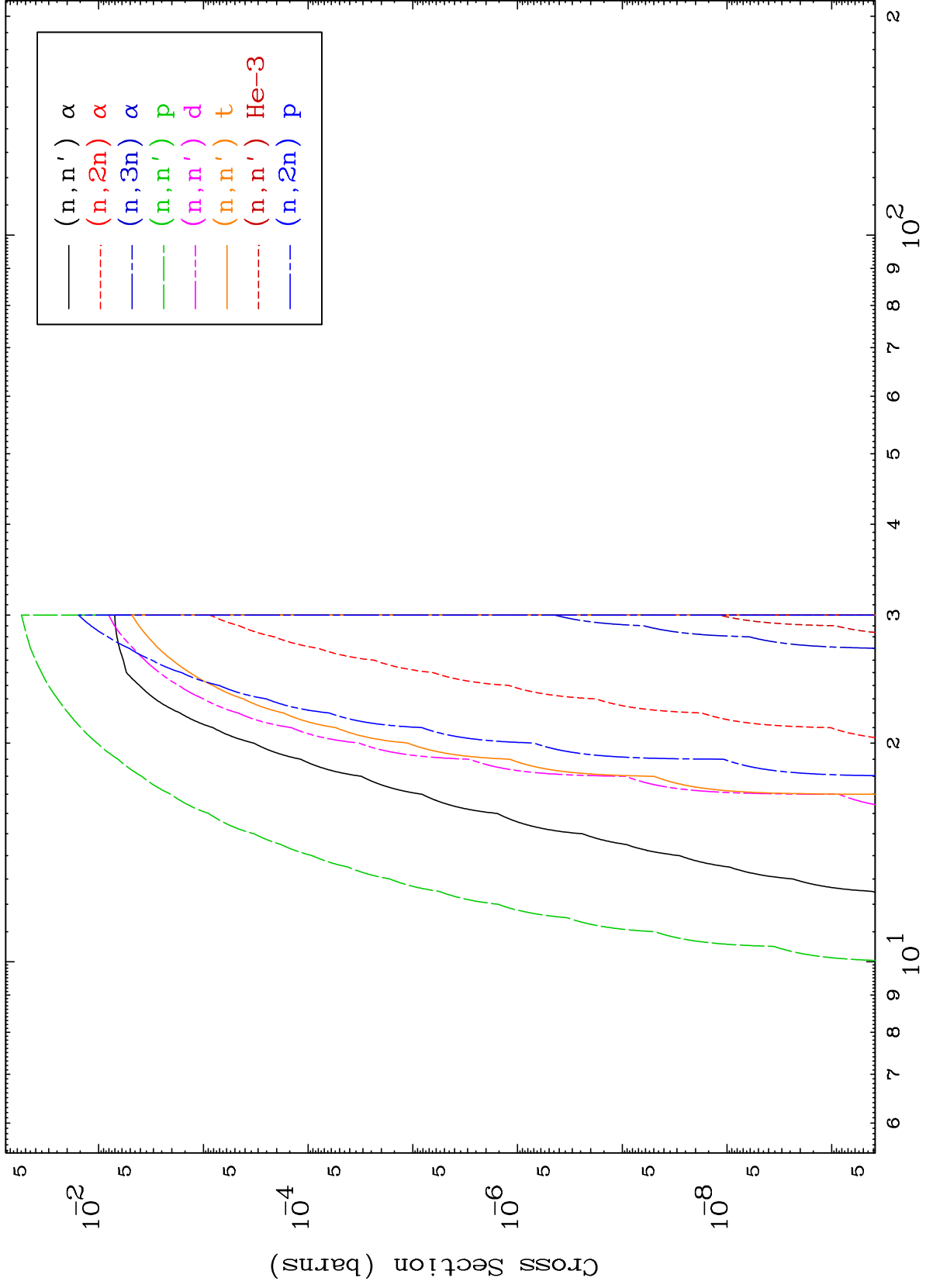
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

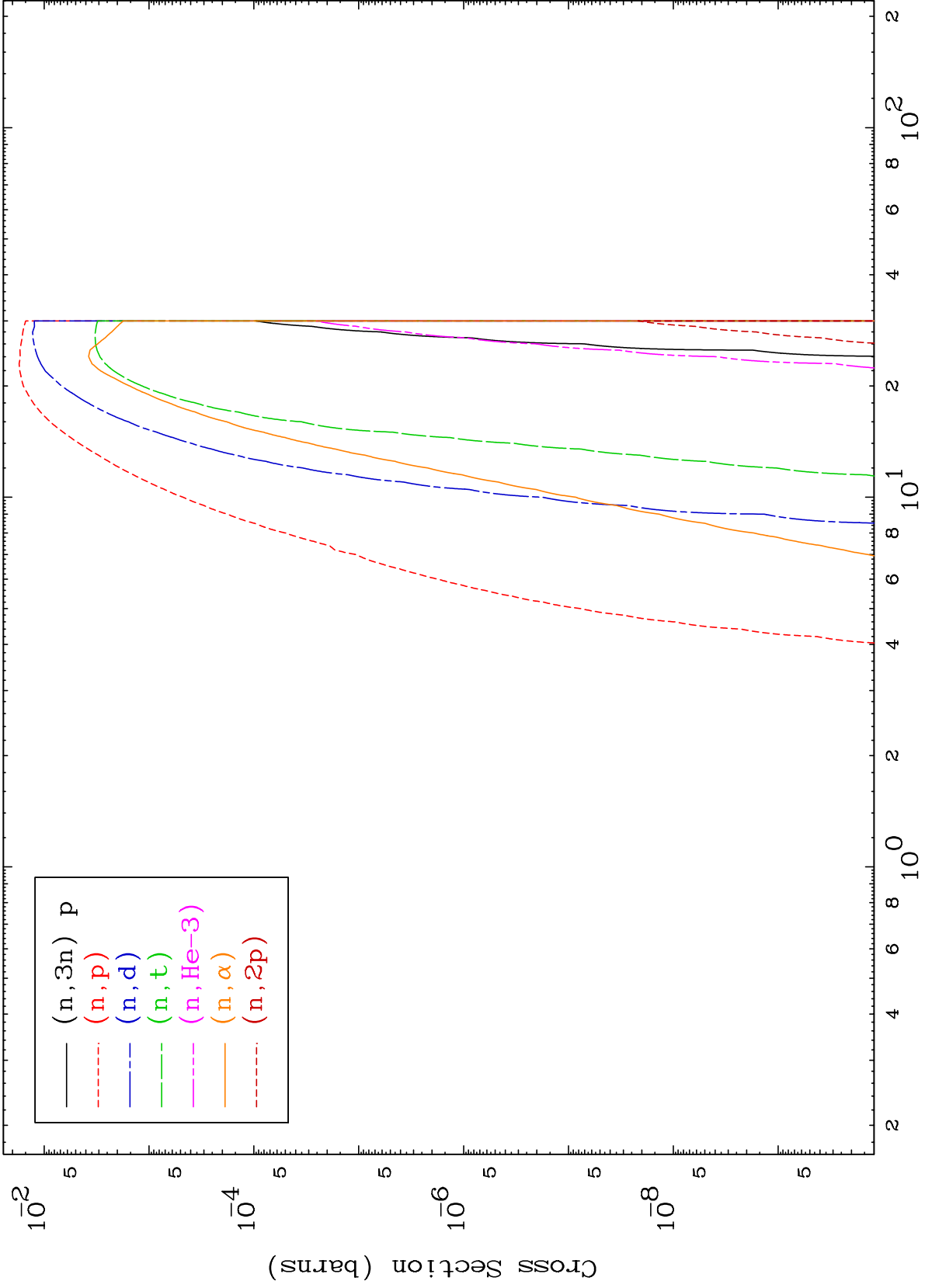
Press Mouse Button to Start







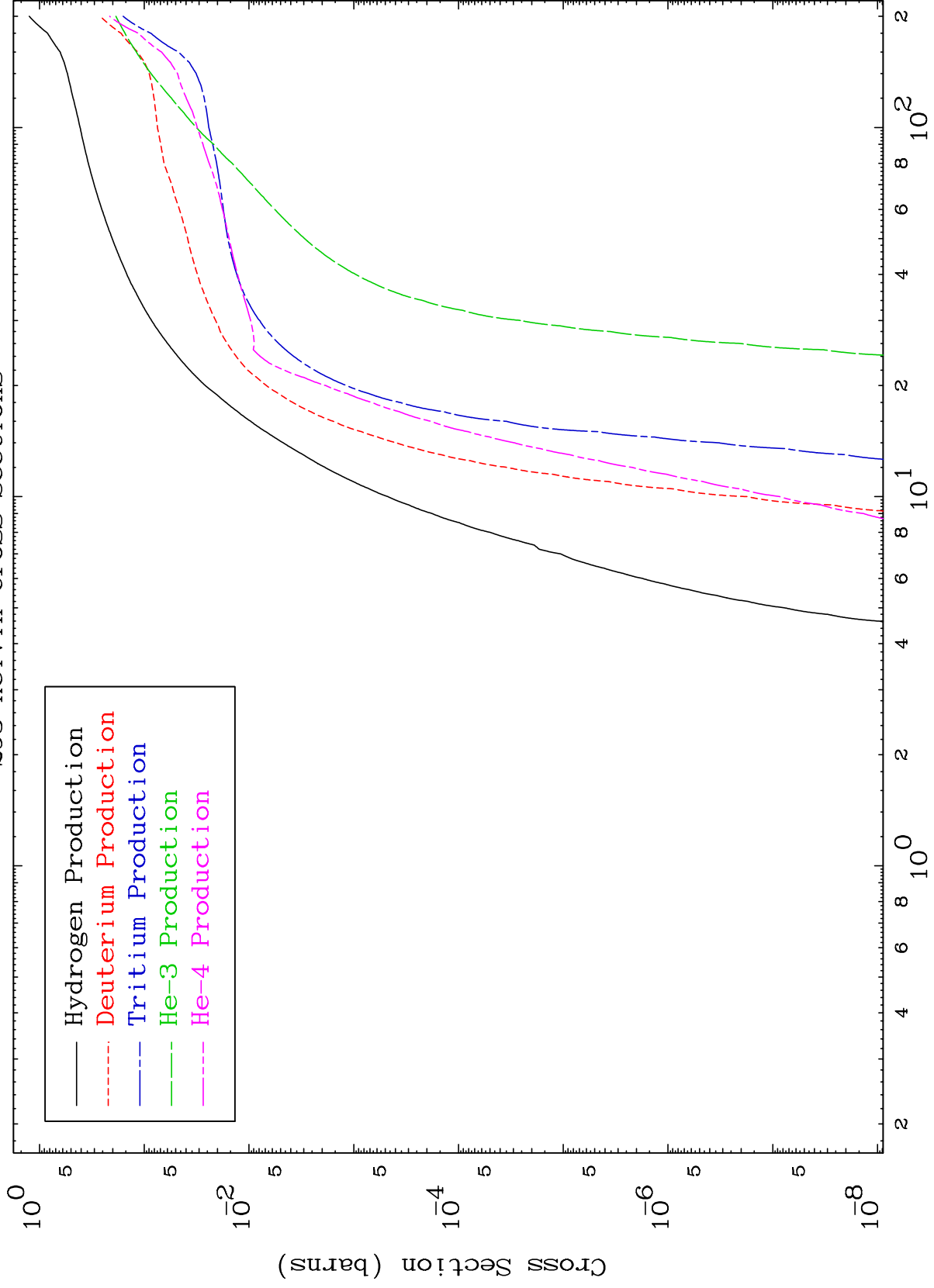




MAT 5143

Particle Production  
293 Kelvin Cross Sections

51-Sb-127



6

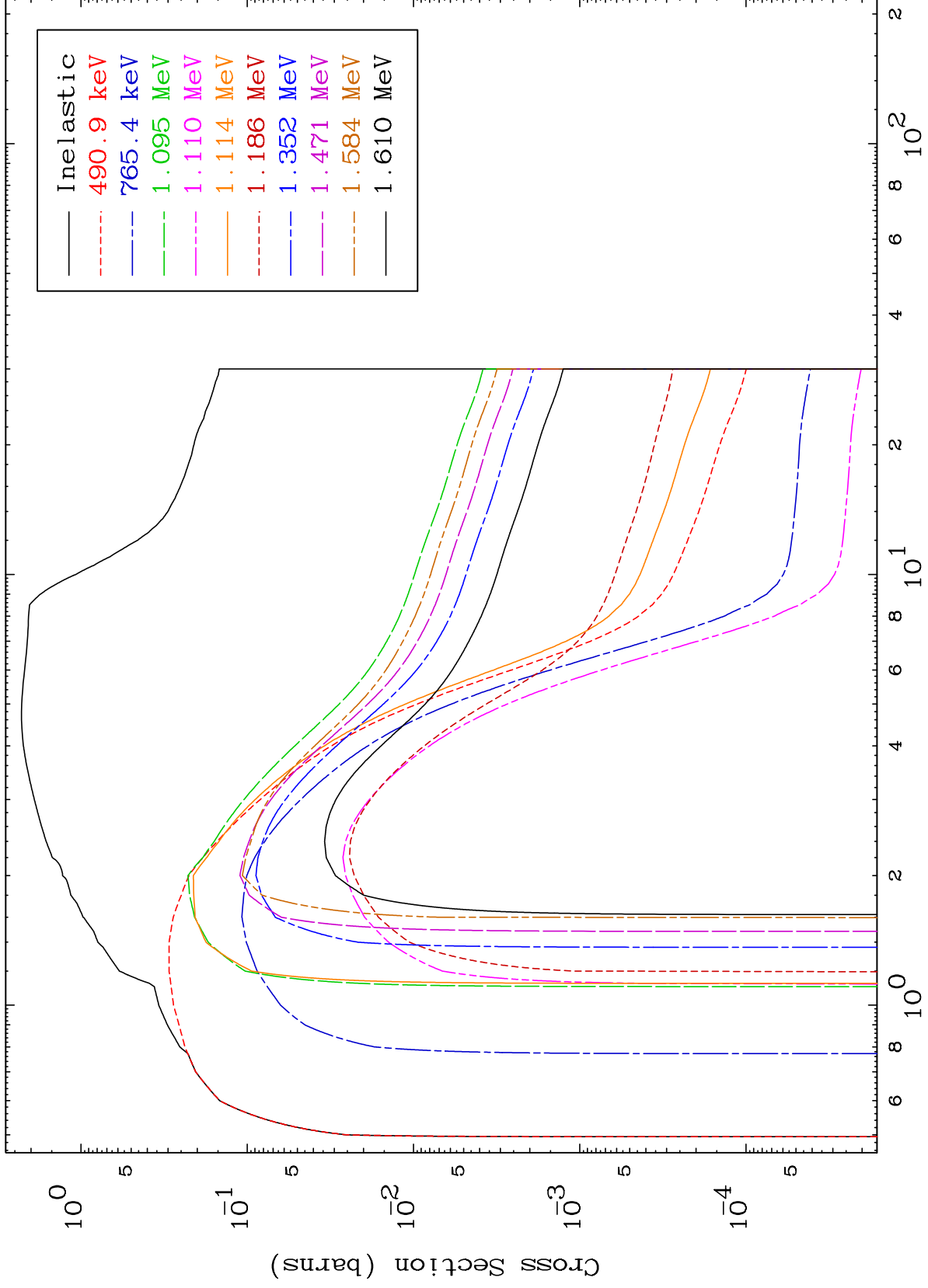
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-127



7

Incident Energy (MeV)

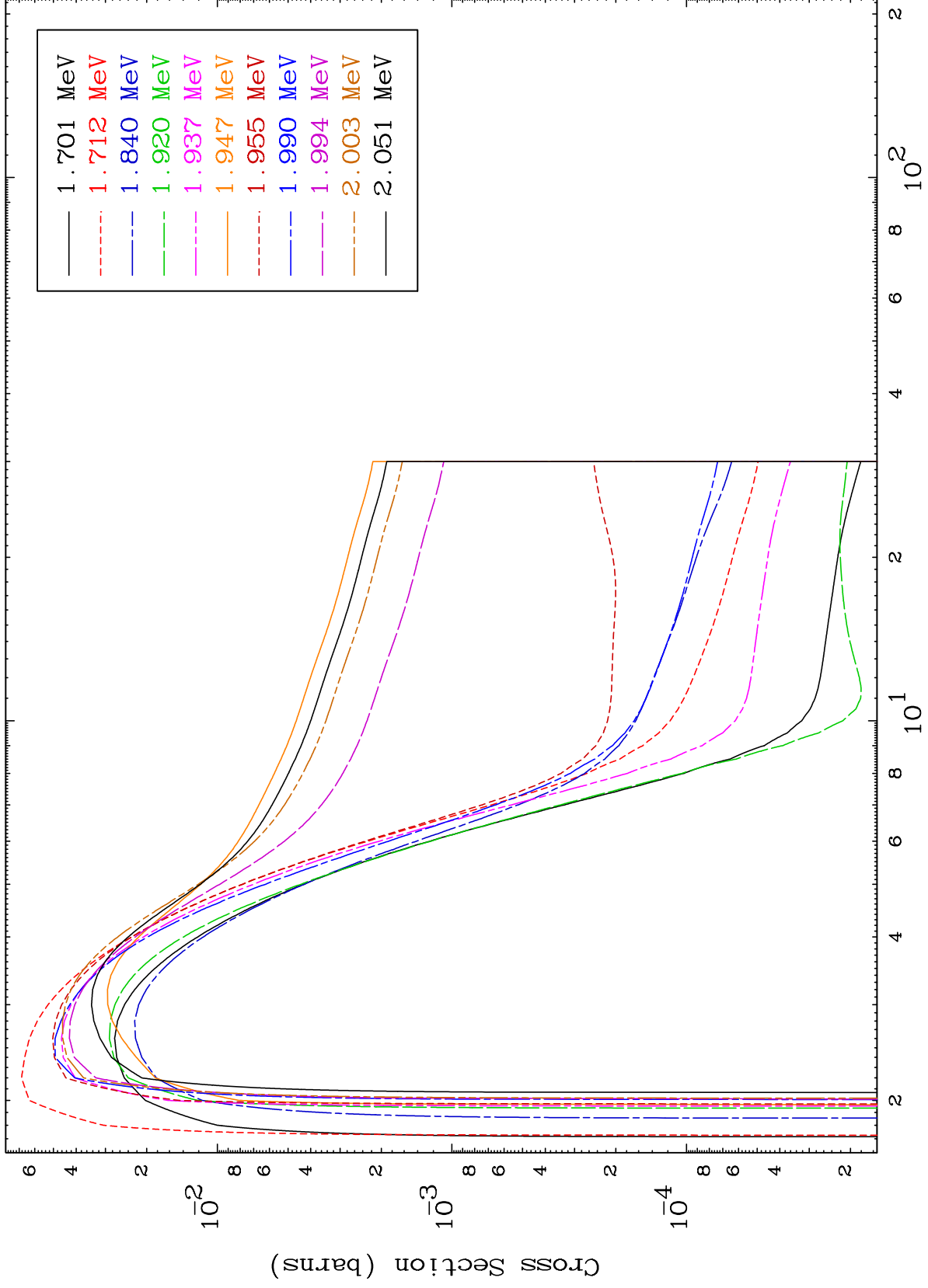
51-Sb-127



MAT 5143

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-127



8

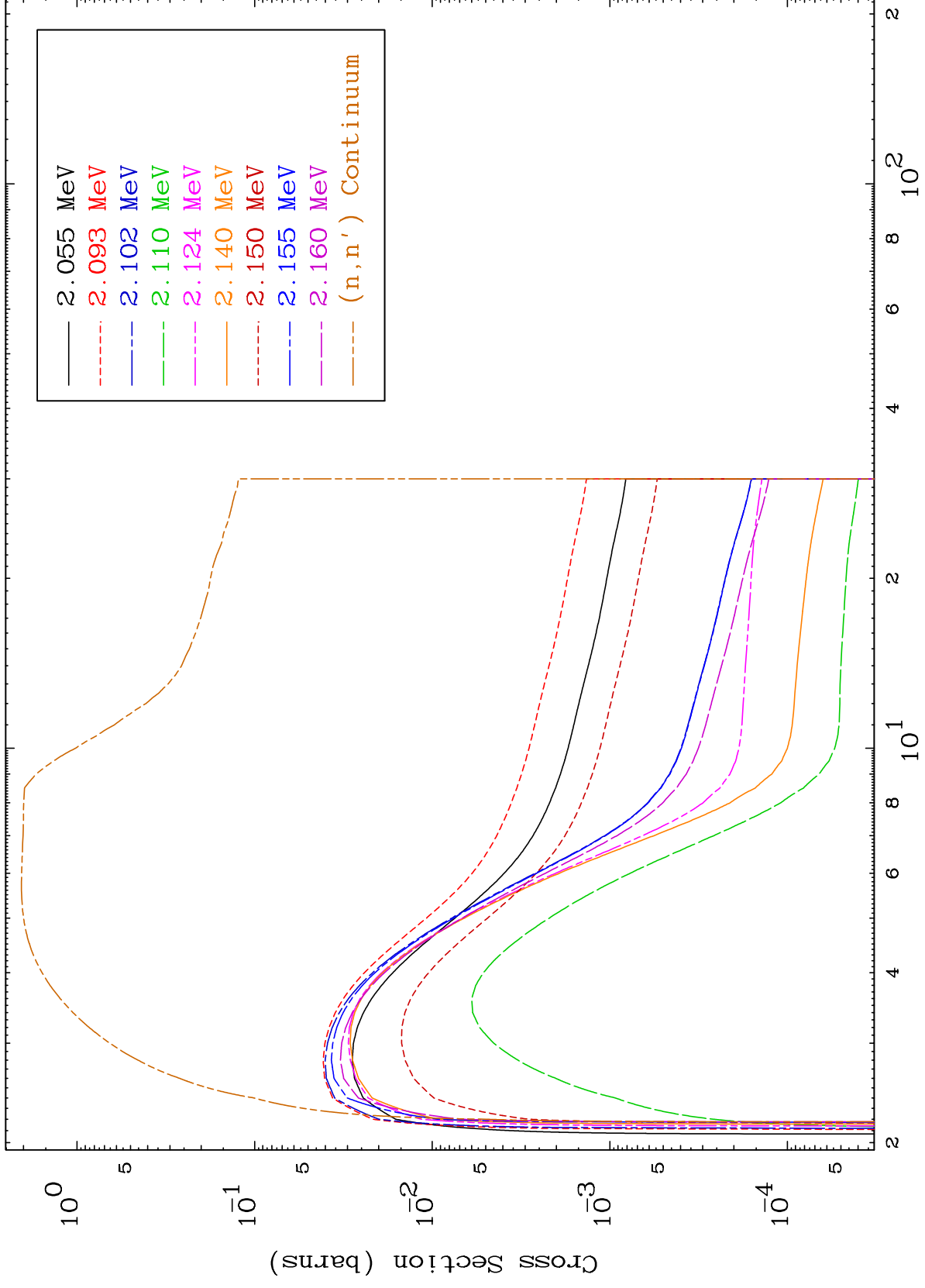
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-127



9

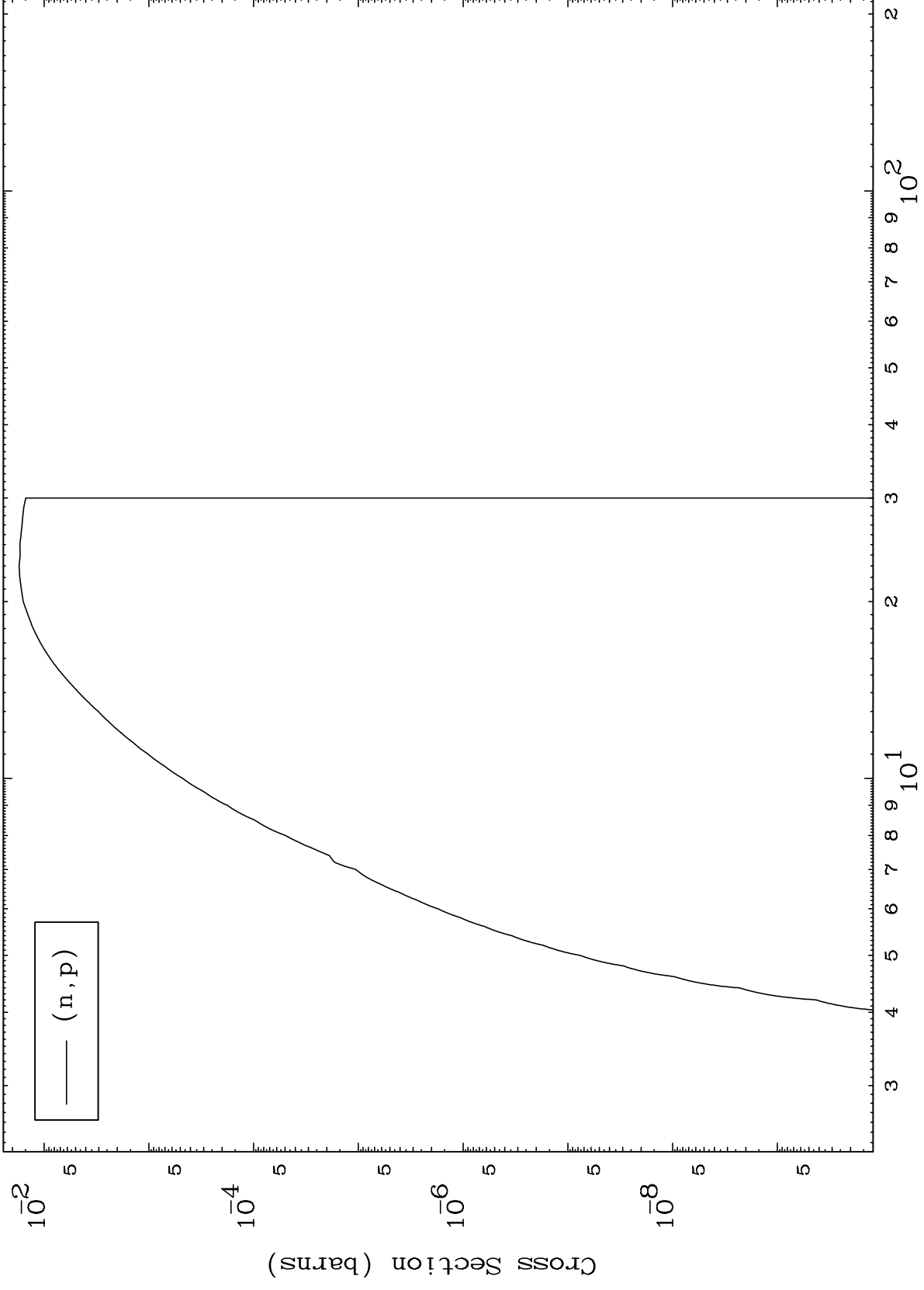
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-127



10

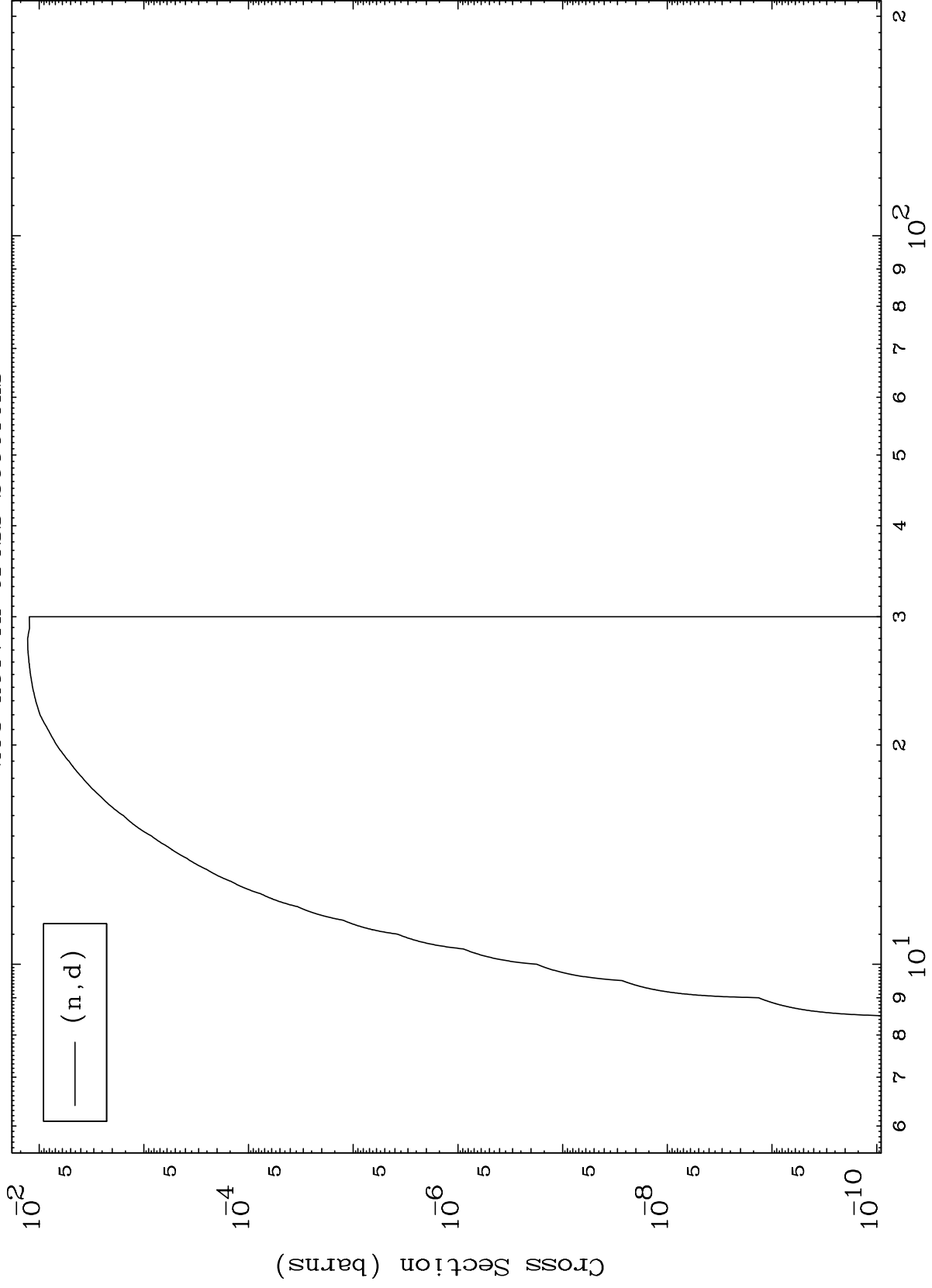
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,d) Levels  
293 Kelvin Cross Sections

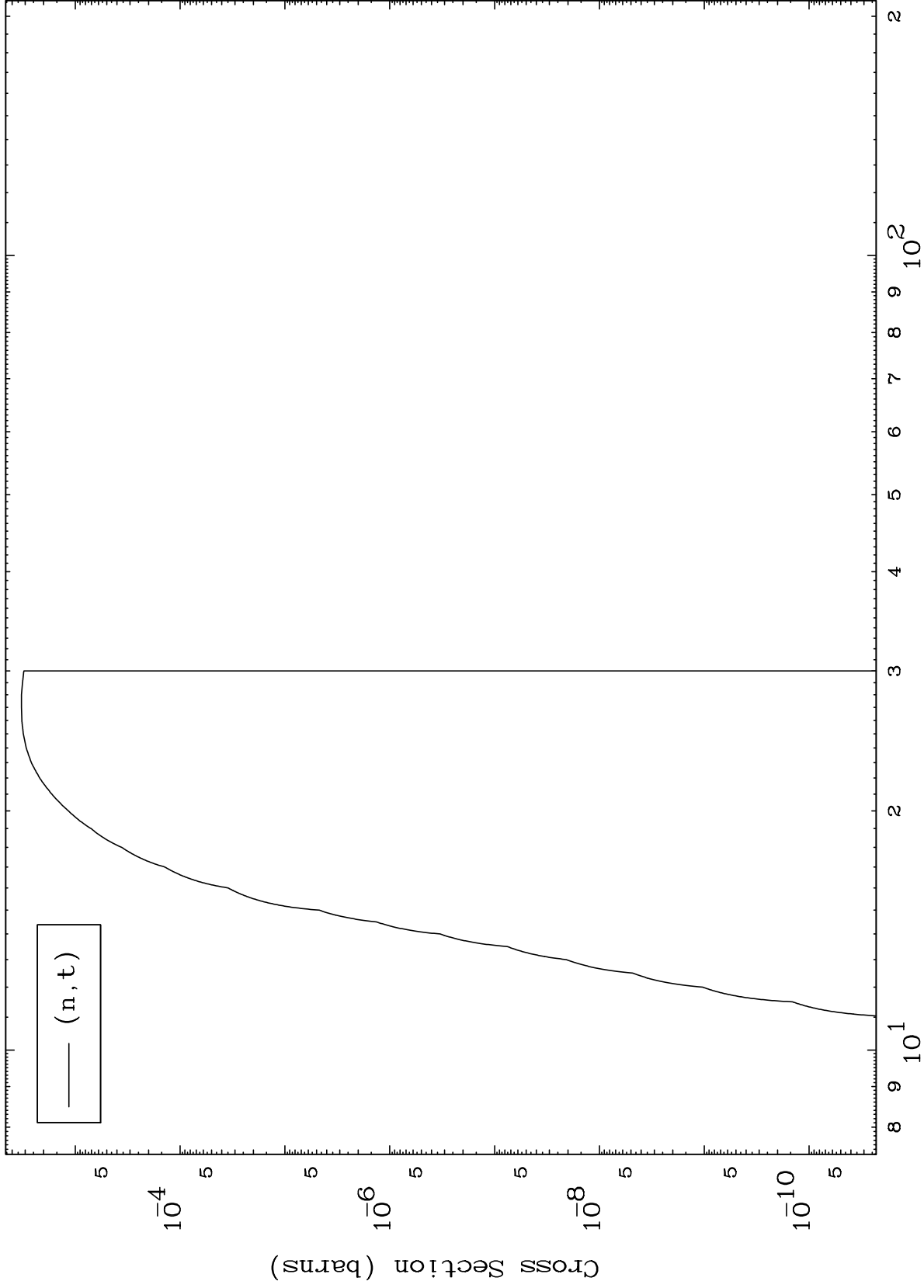
51-Sb-127



MAT 5143

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-127



12

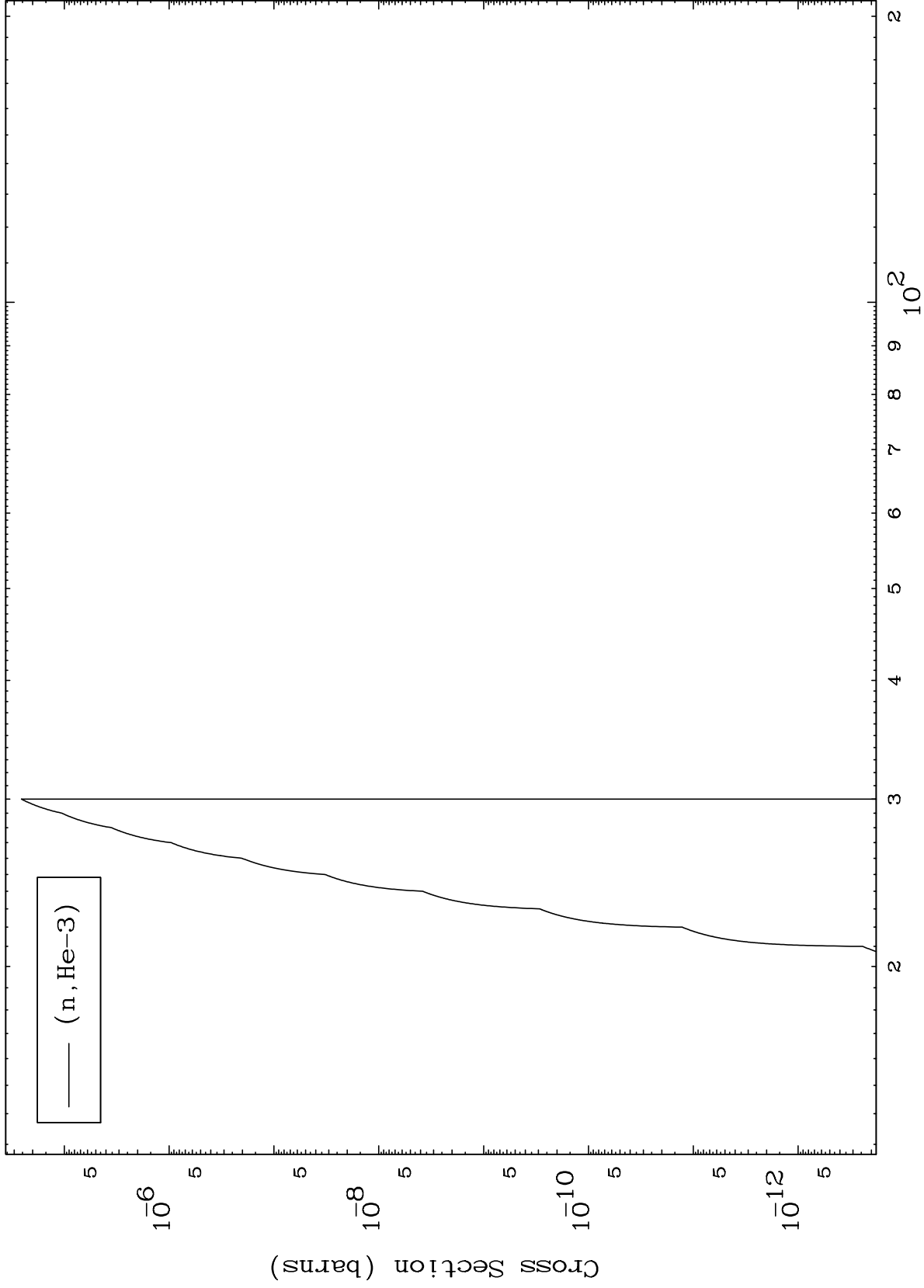
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-127



13

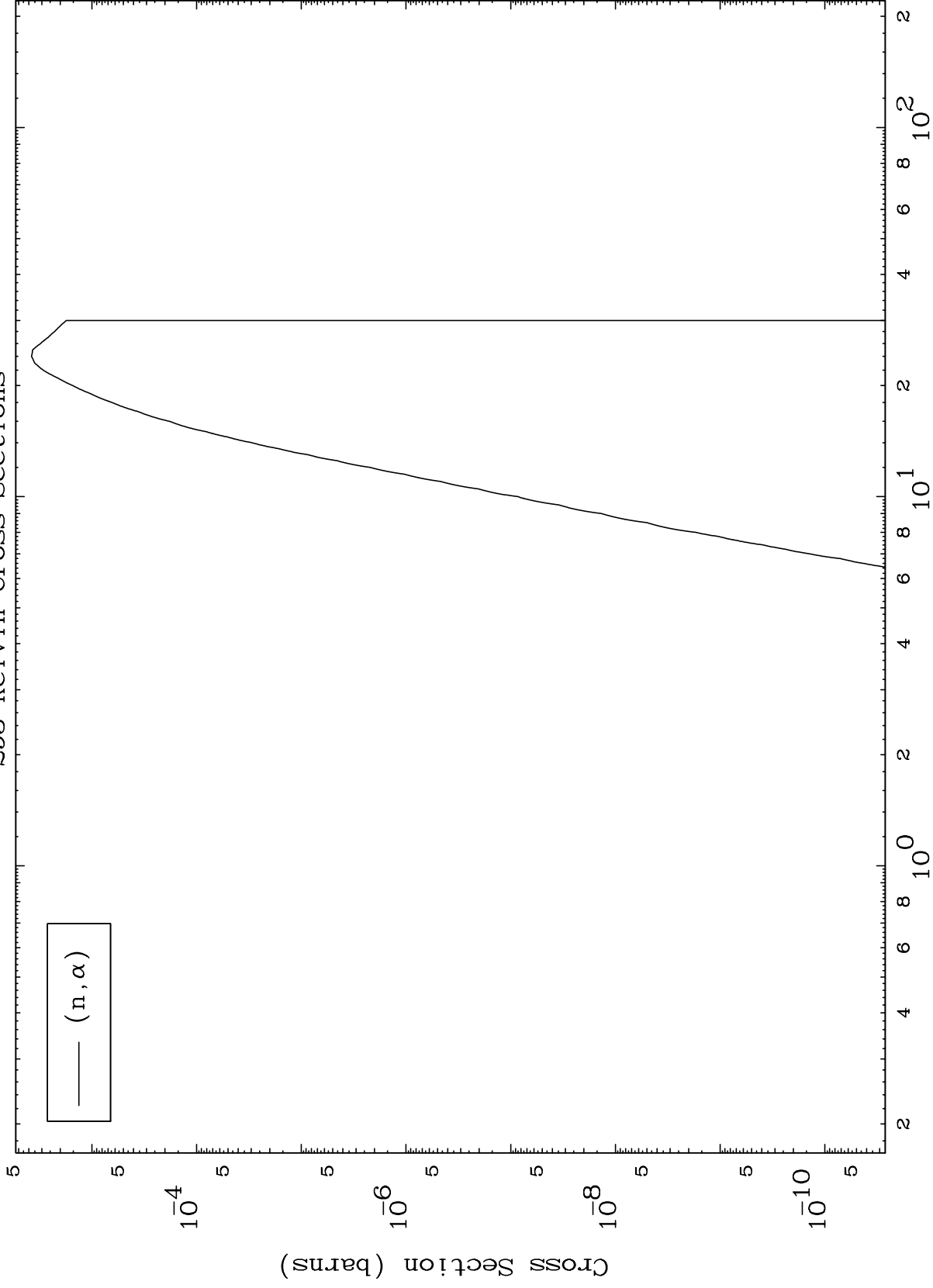
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

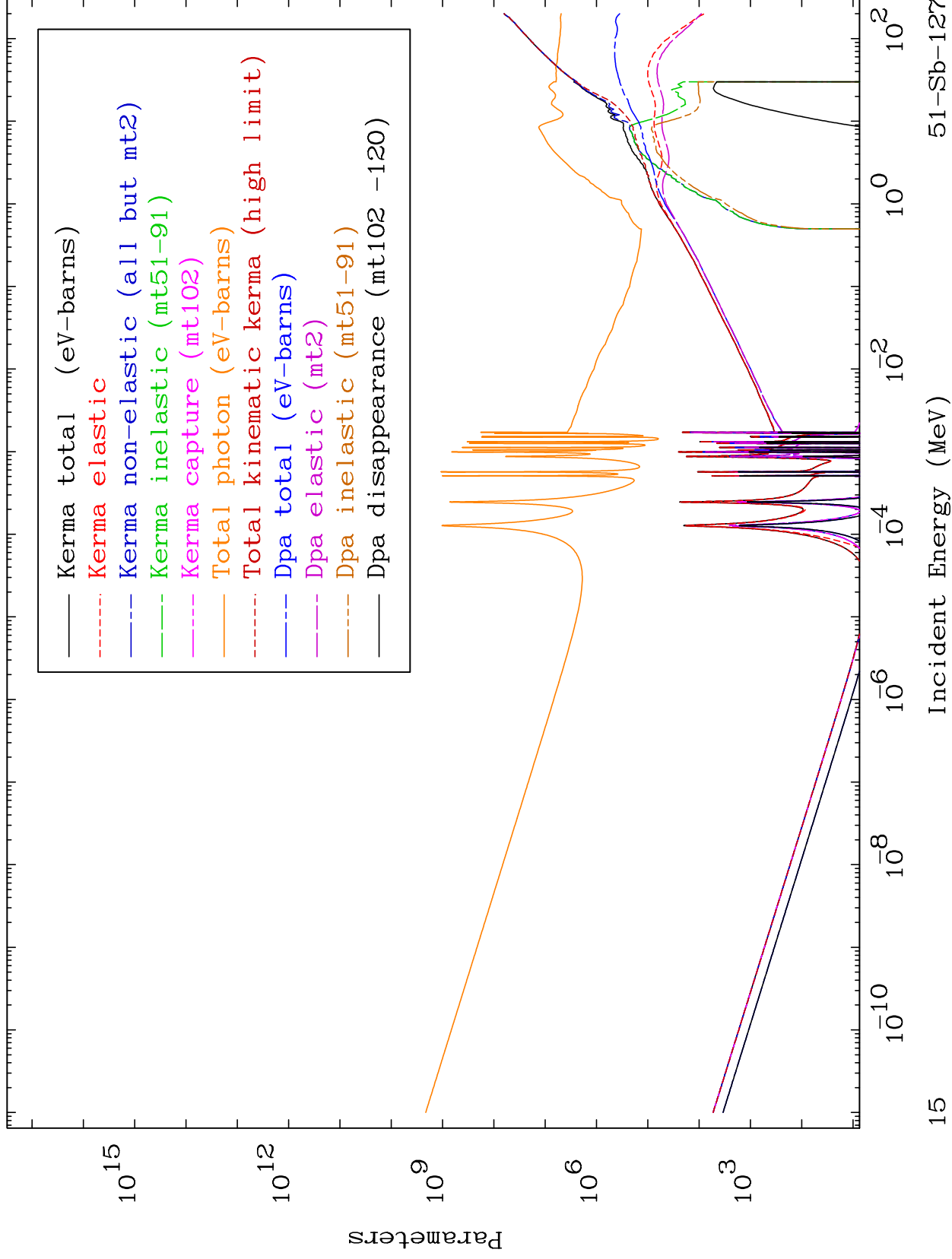
51-Sb-127



14

Incident Energy (MeV)

51-Sb-127

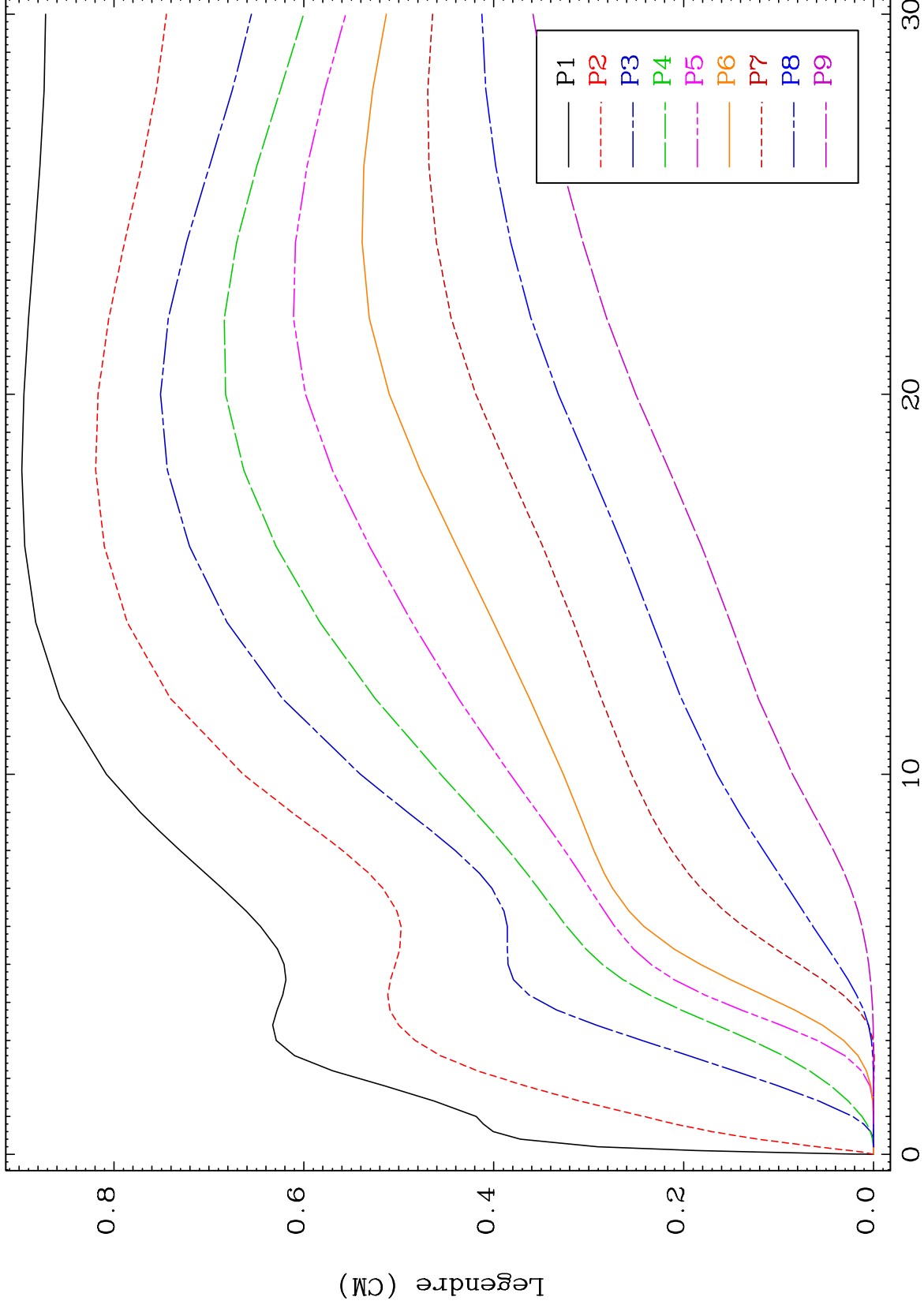




MAT 5143

51-Sb-127

Elastic Legendre Coefficients



51-Sb-127

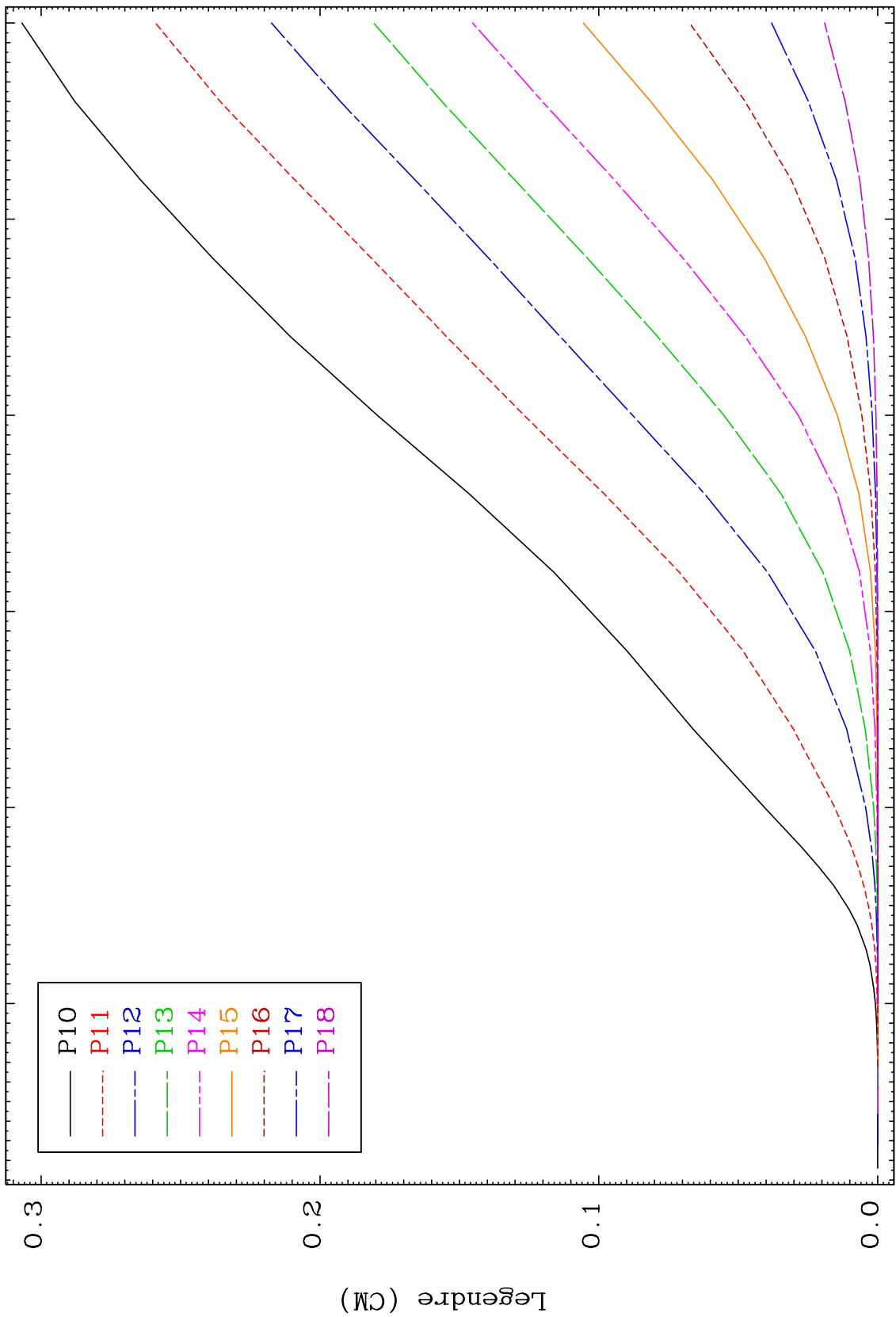
Incident Energy (MeV)

16

MAT 5143

Elastic Legendre Coefficients

51-Sb-127



17

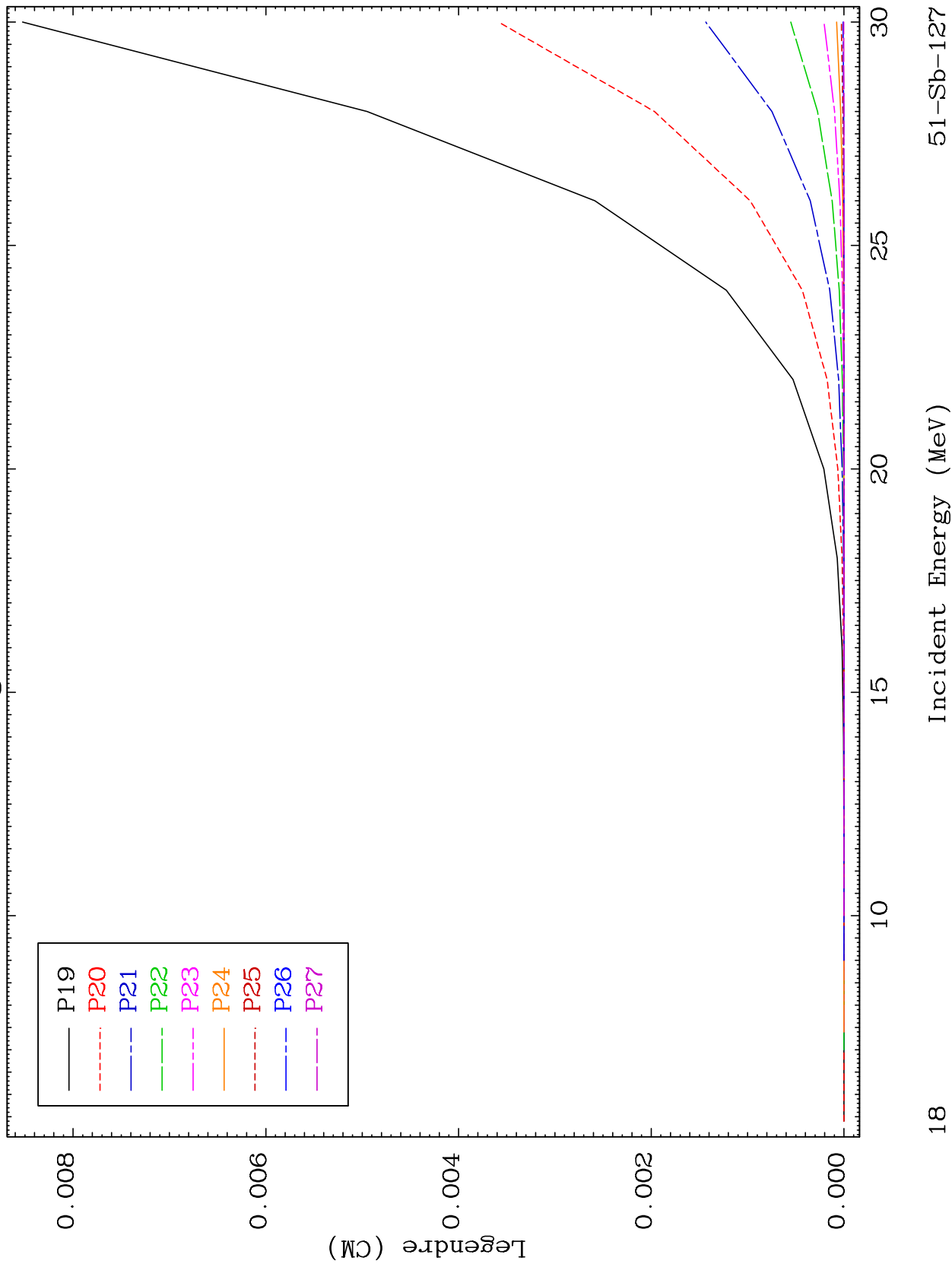
Incident Energy (MeV)

51-Sb-127

MAT 5143

Elastic Legendre Coefficients

51-Sb-127



18

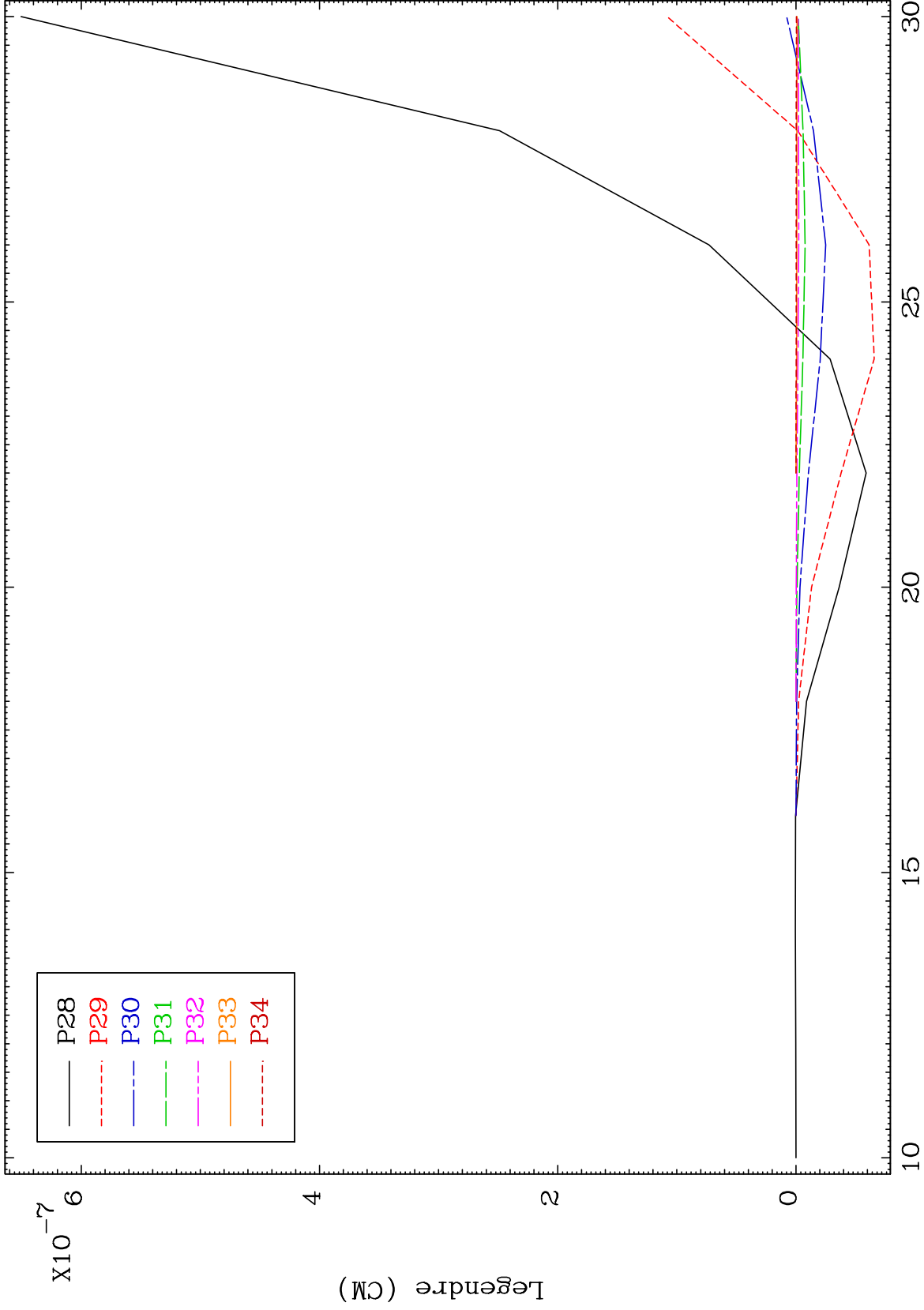
Incident Energy (MeV)

51-Sb-127

MAT 5143

Elastic  
Legendre Coefficients

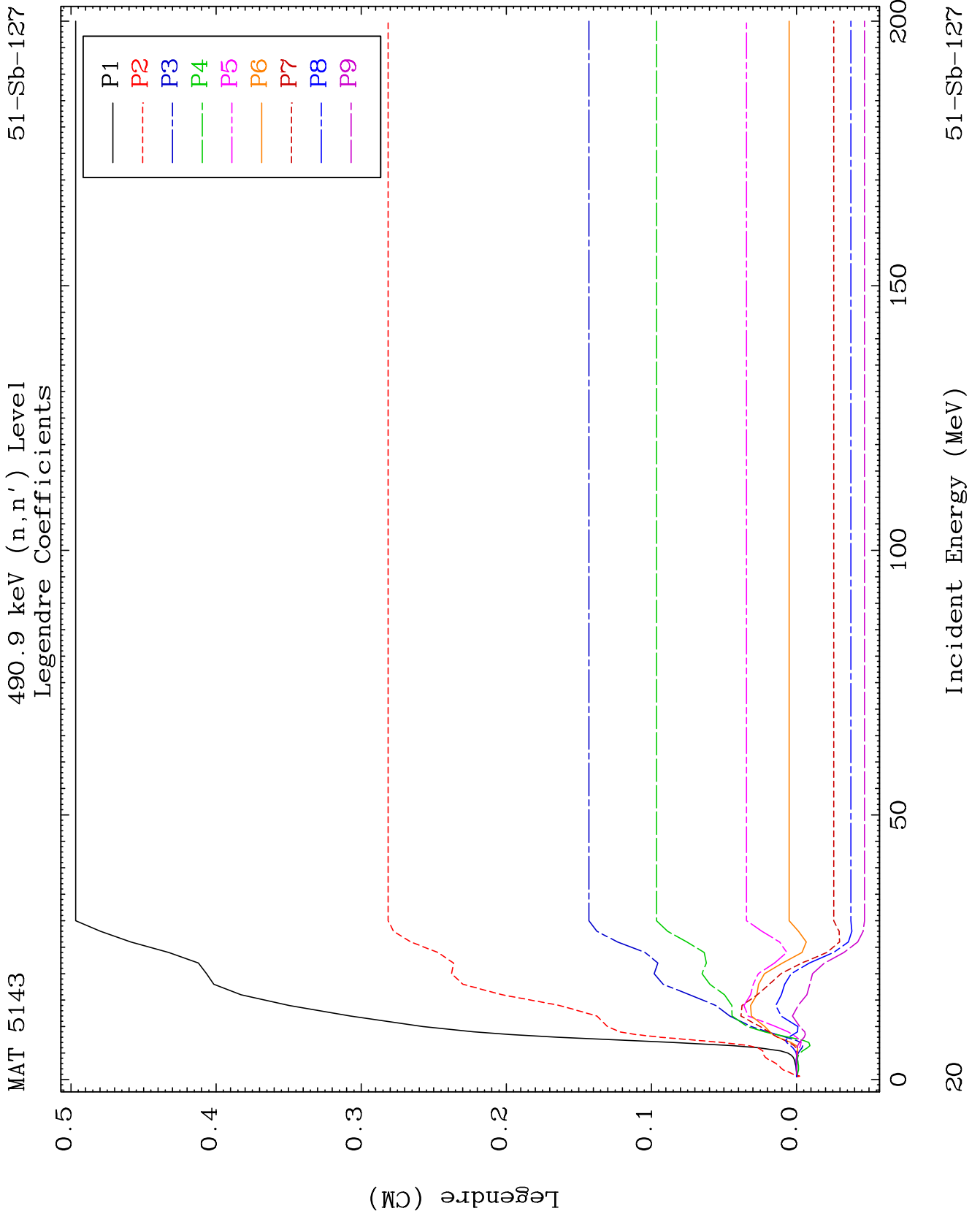
51-Sb-127



19

Incident Energy (MeV)

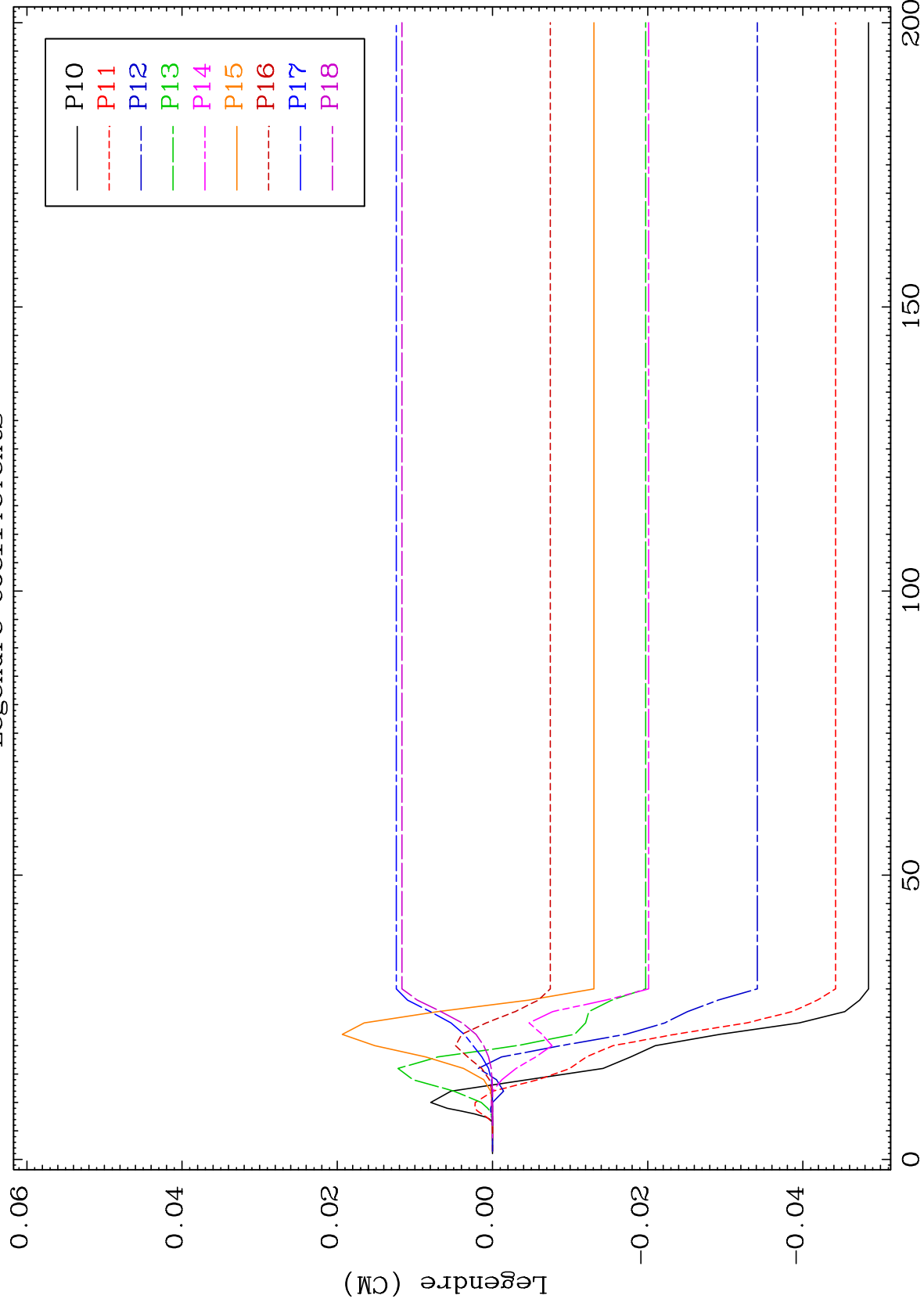
51-Sb-127

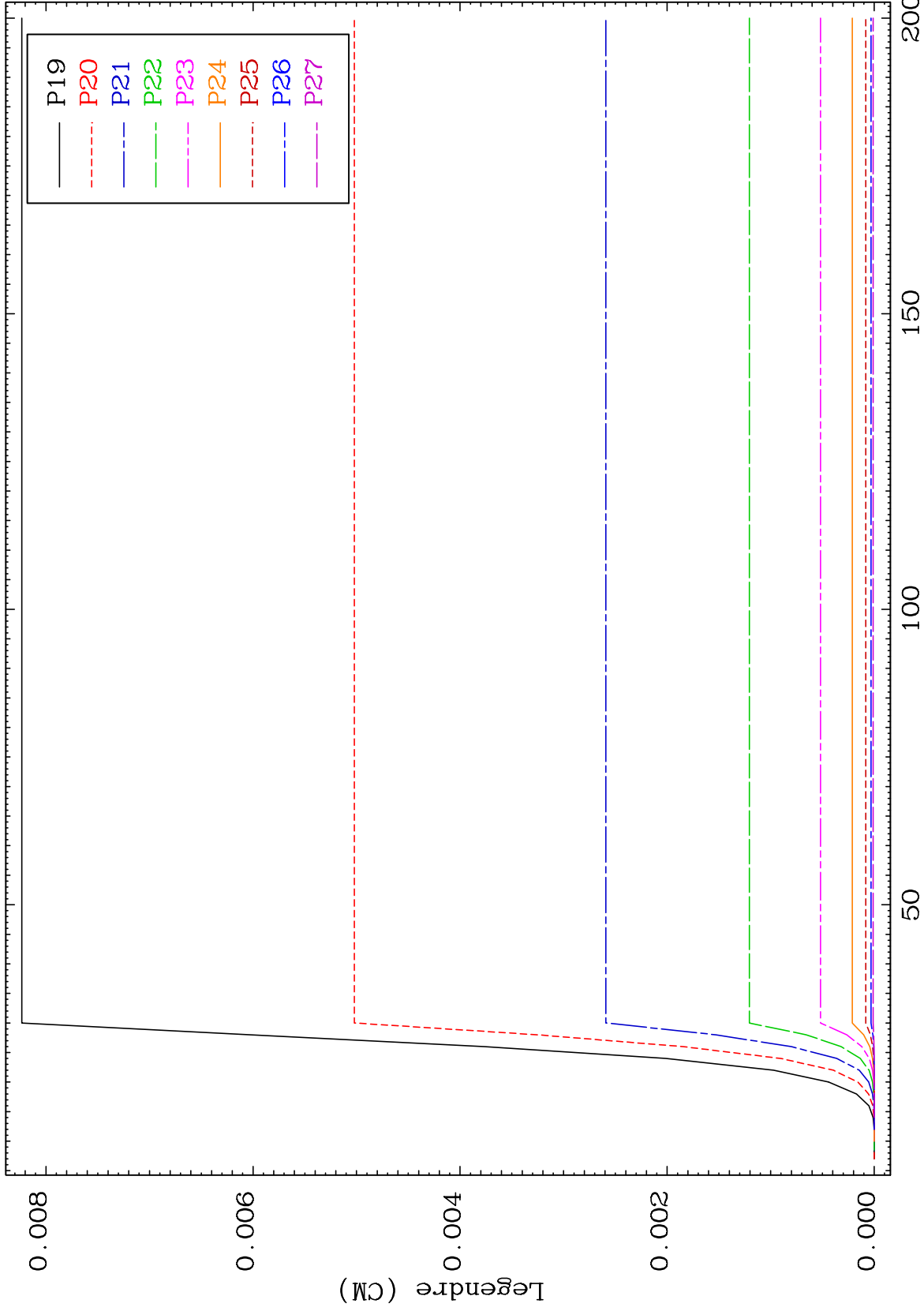


MAT 5143

490.9 keV (n,n') Level  
Legendre Coefficients

51-Sb-127

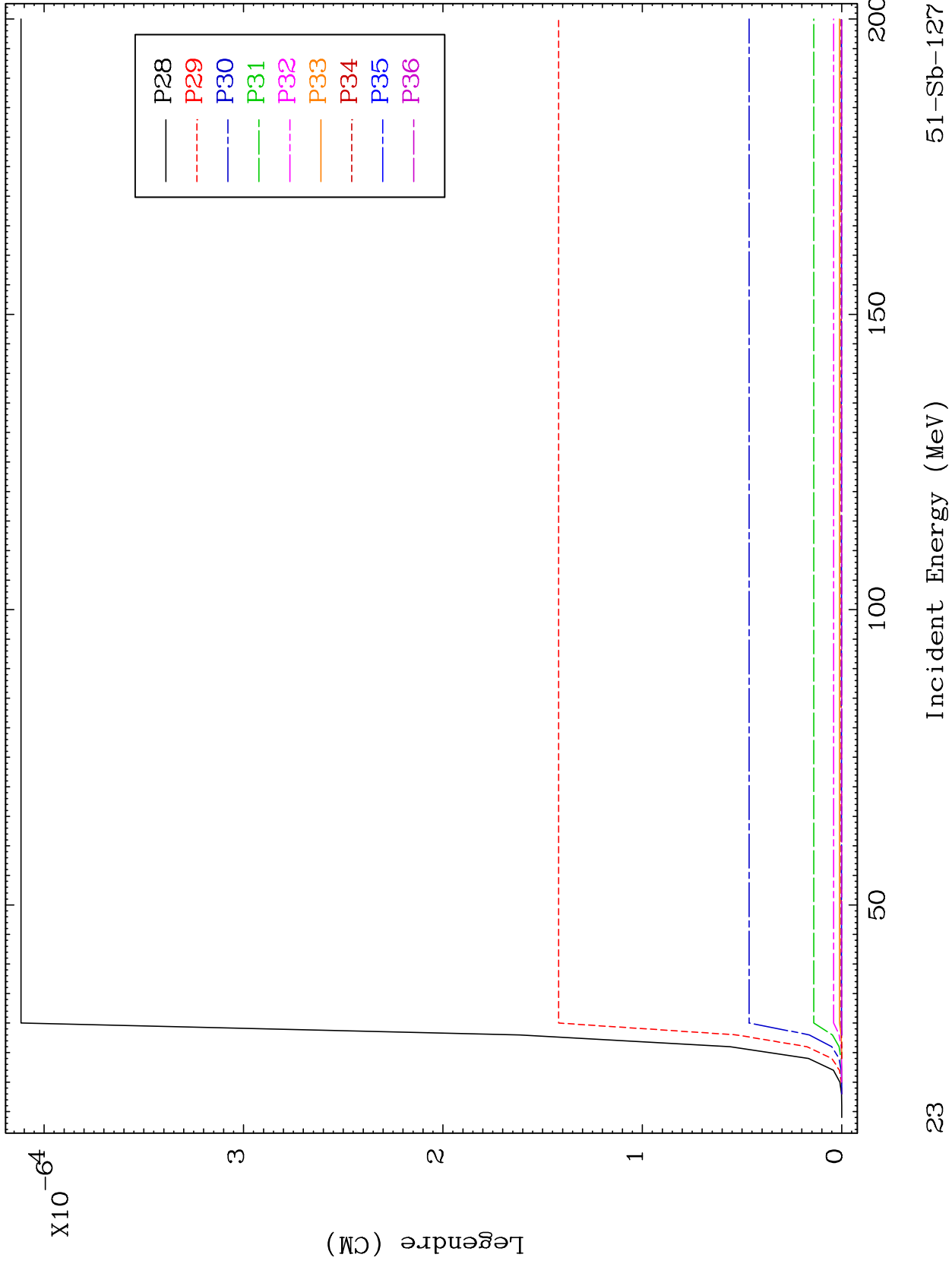




MAT 5143

490.9 keV (n,n') Level  
Legendre Coefficients

51-Sb-127



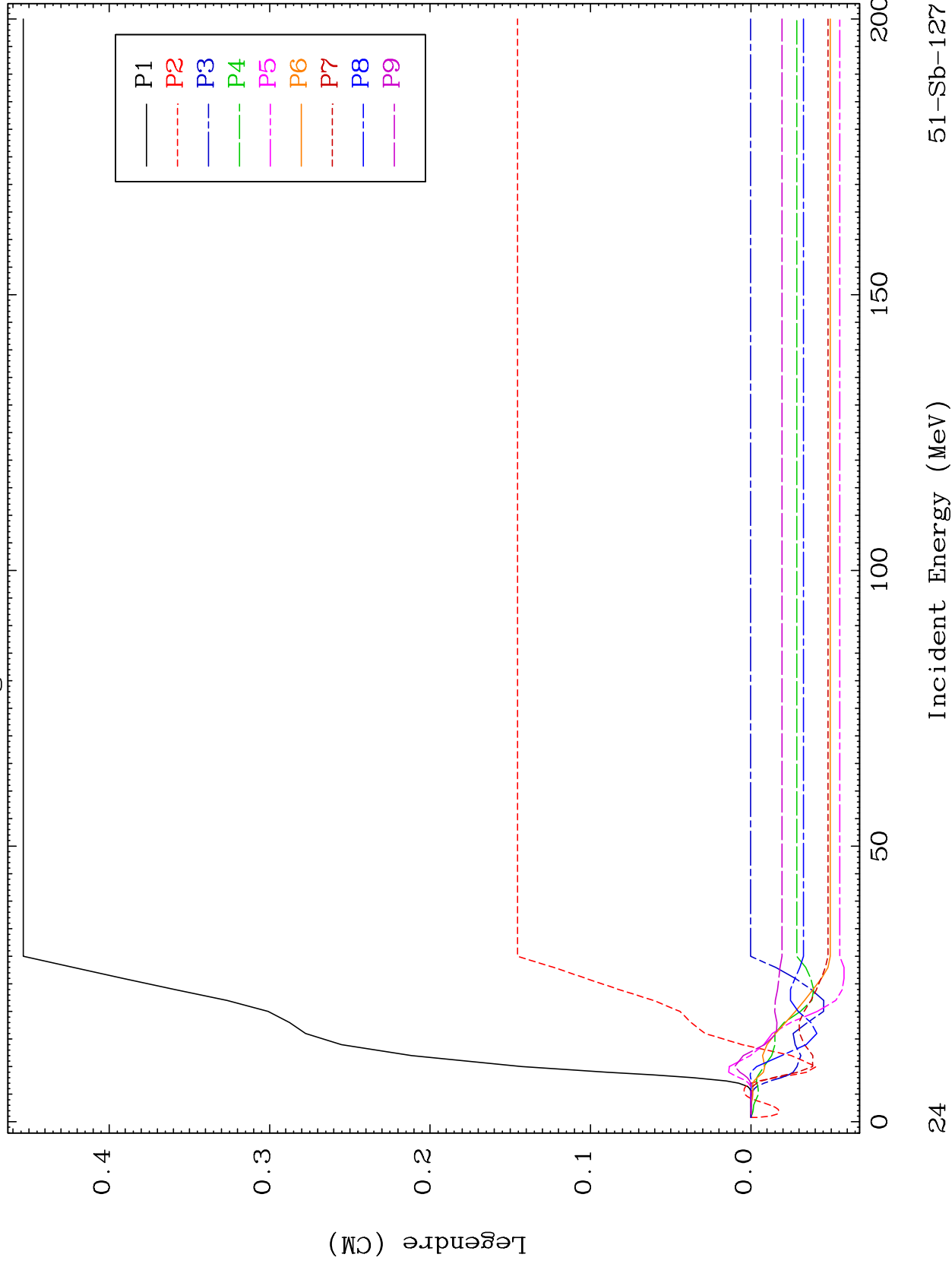
23



MAT 5143

765.4 keV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

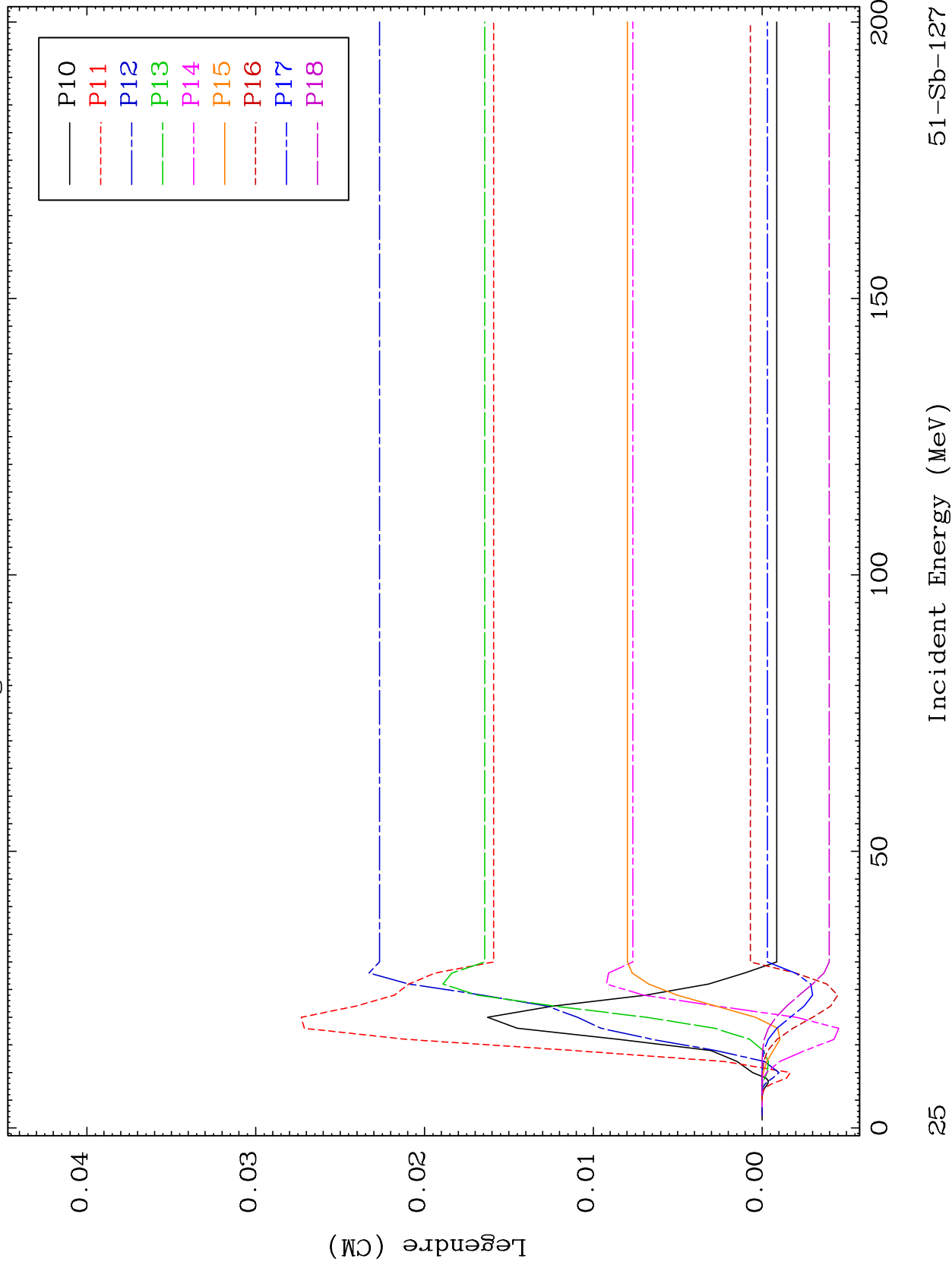
Incident Energy (MeV)

24

MAT 5143

765.4 keV (n,n') Level  
Legendre Coefficients

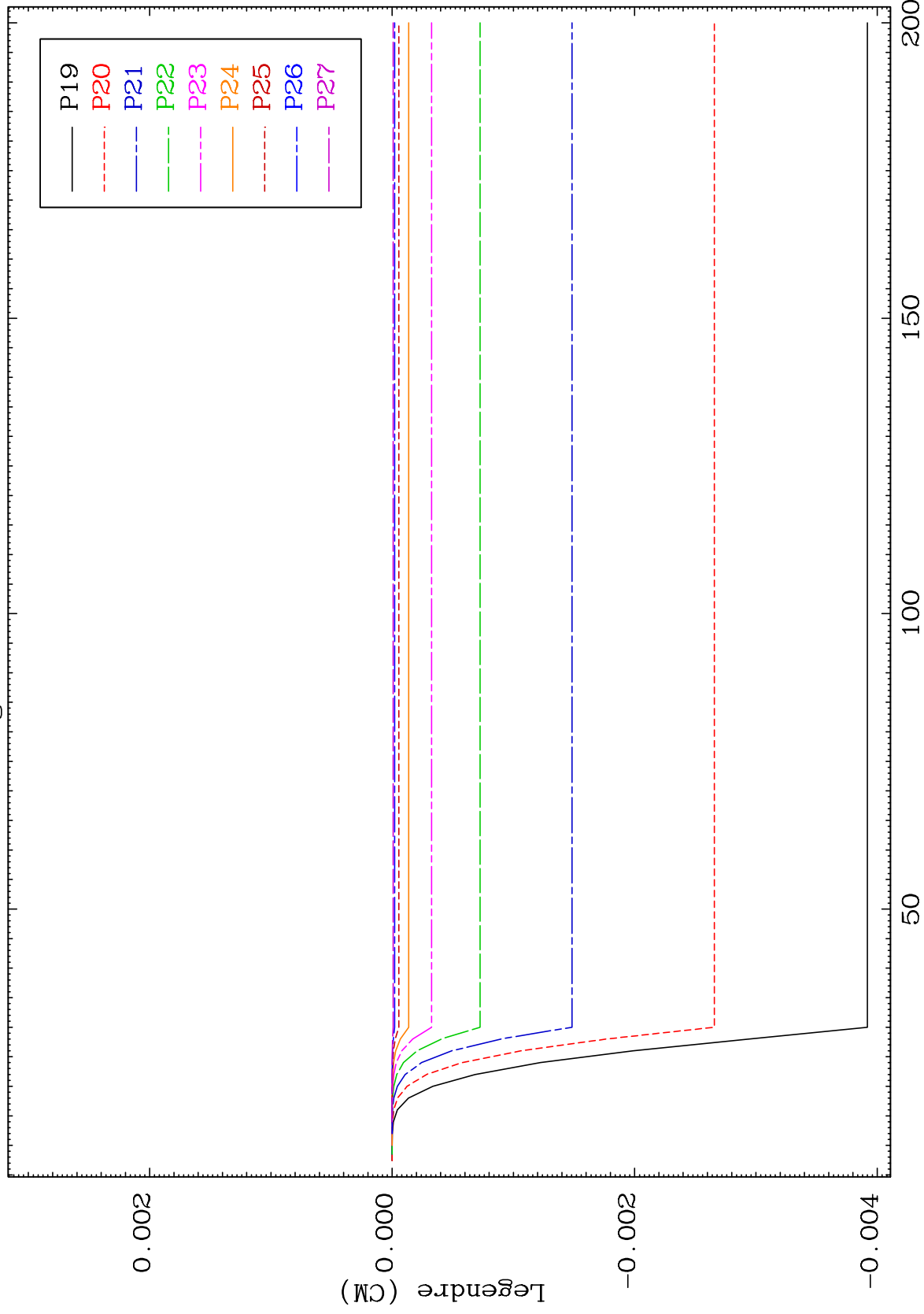
51-Sb-127

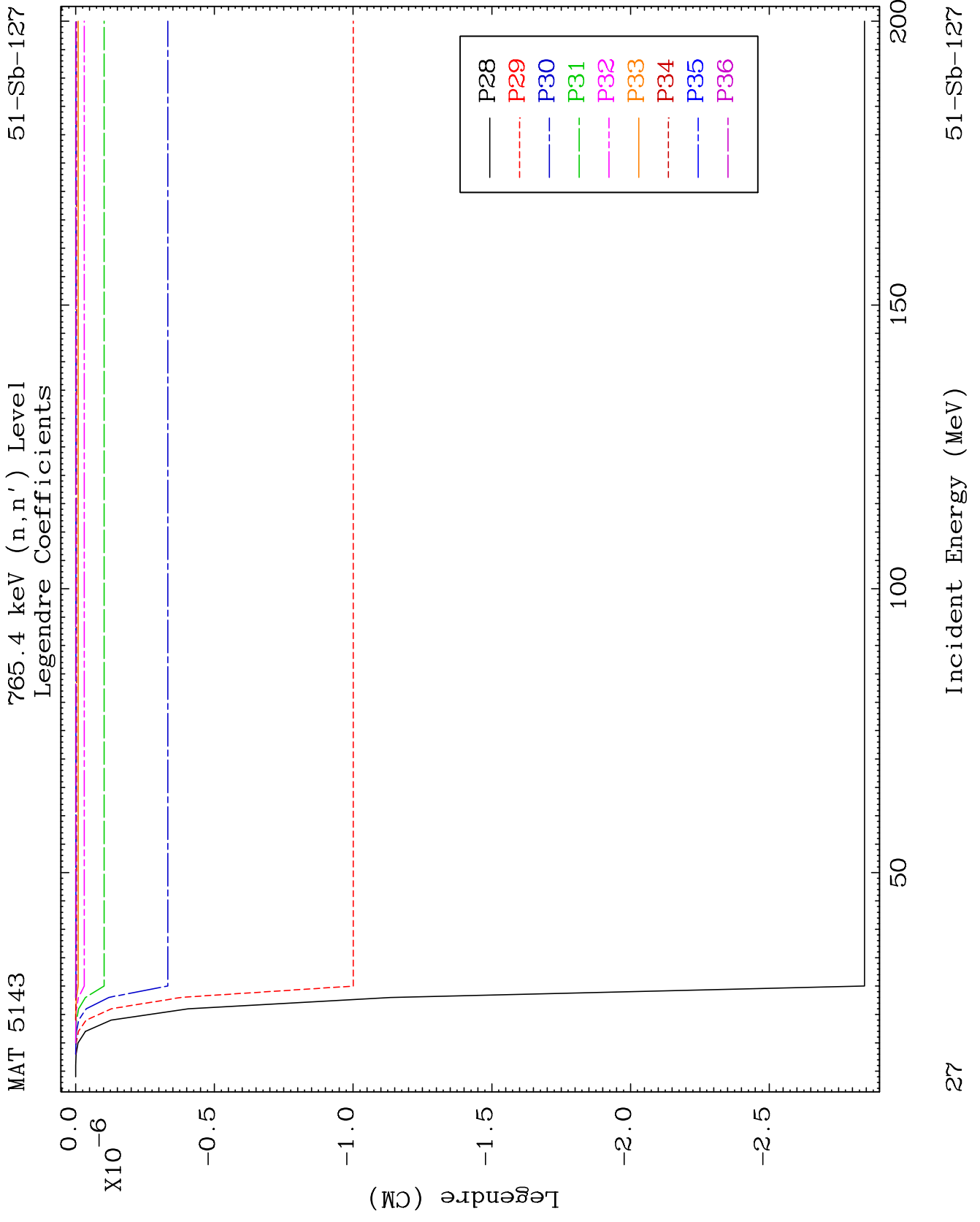


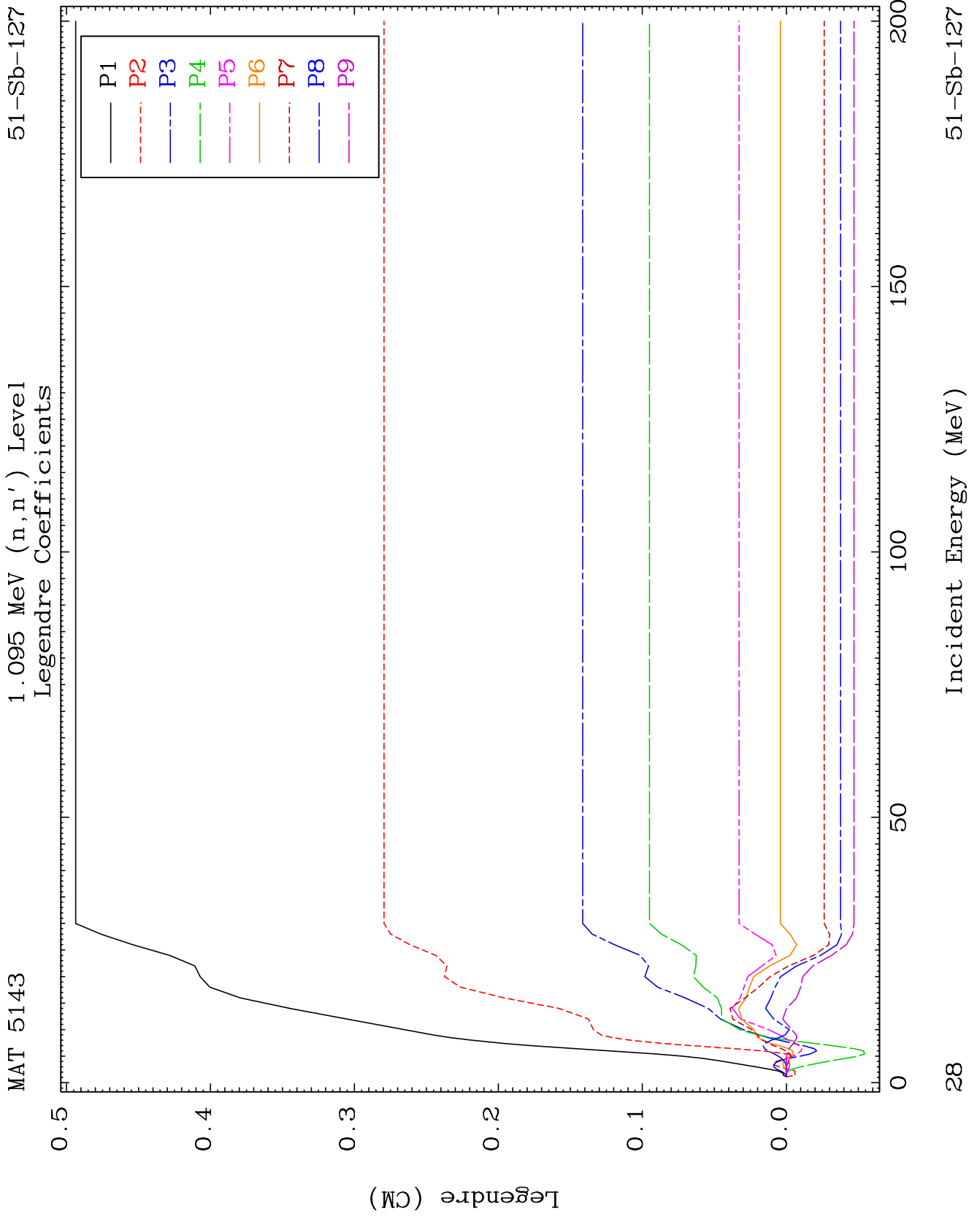
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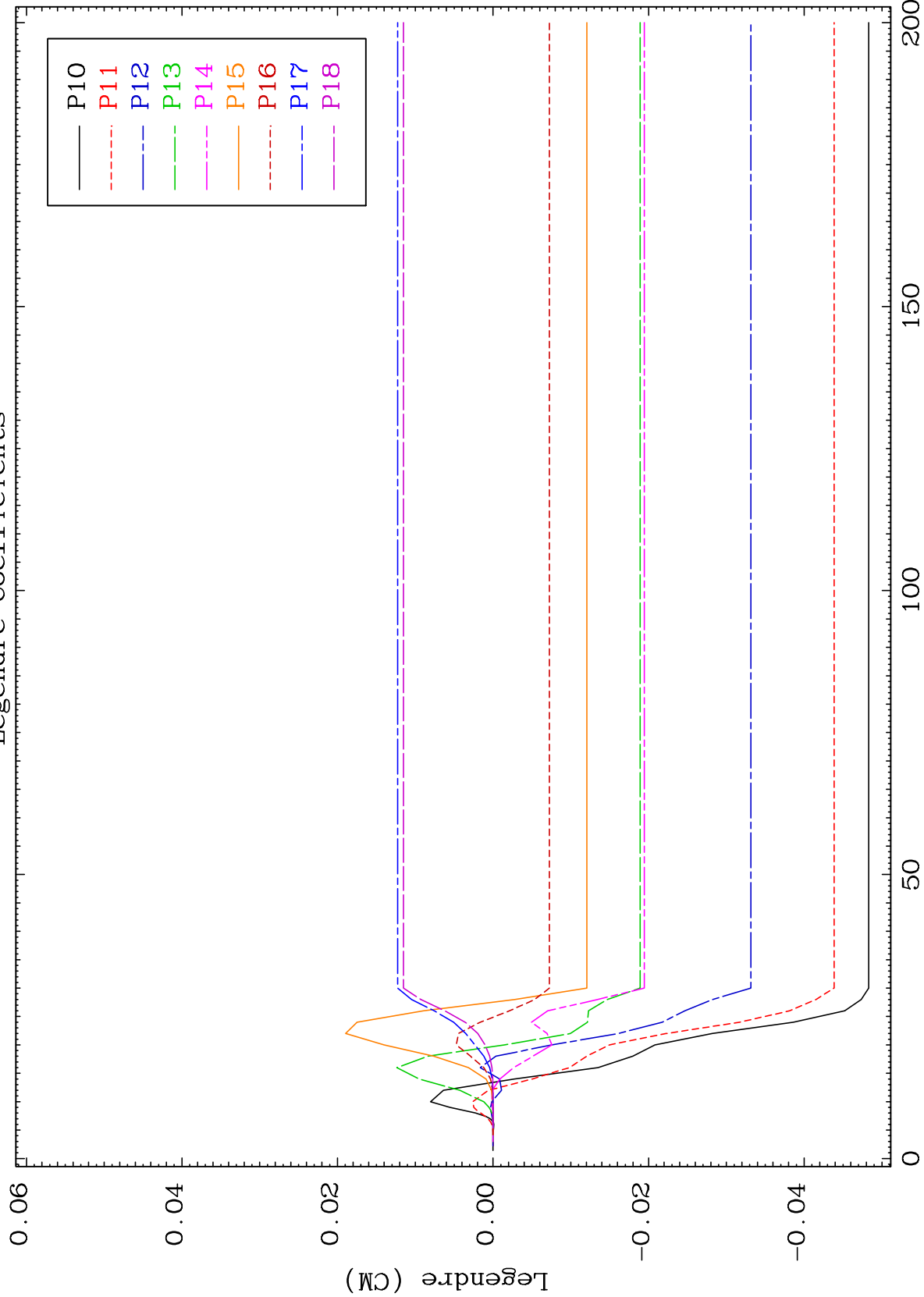
Incident Energy (MeV)

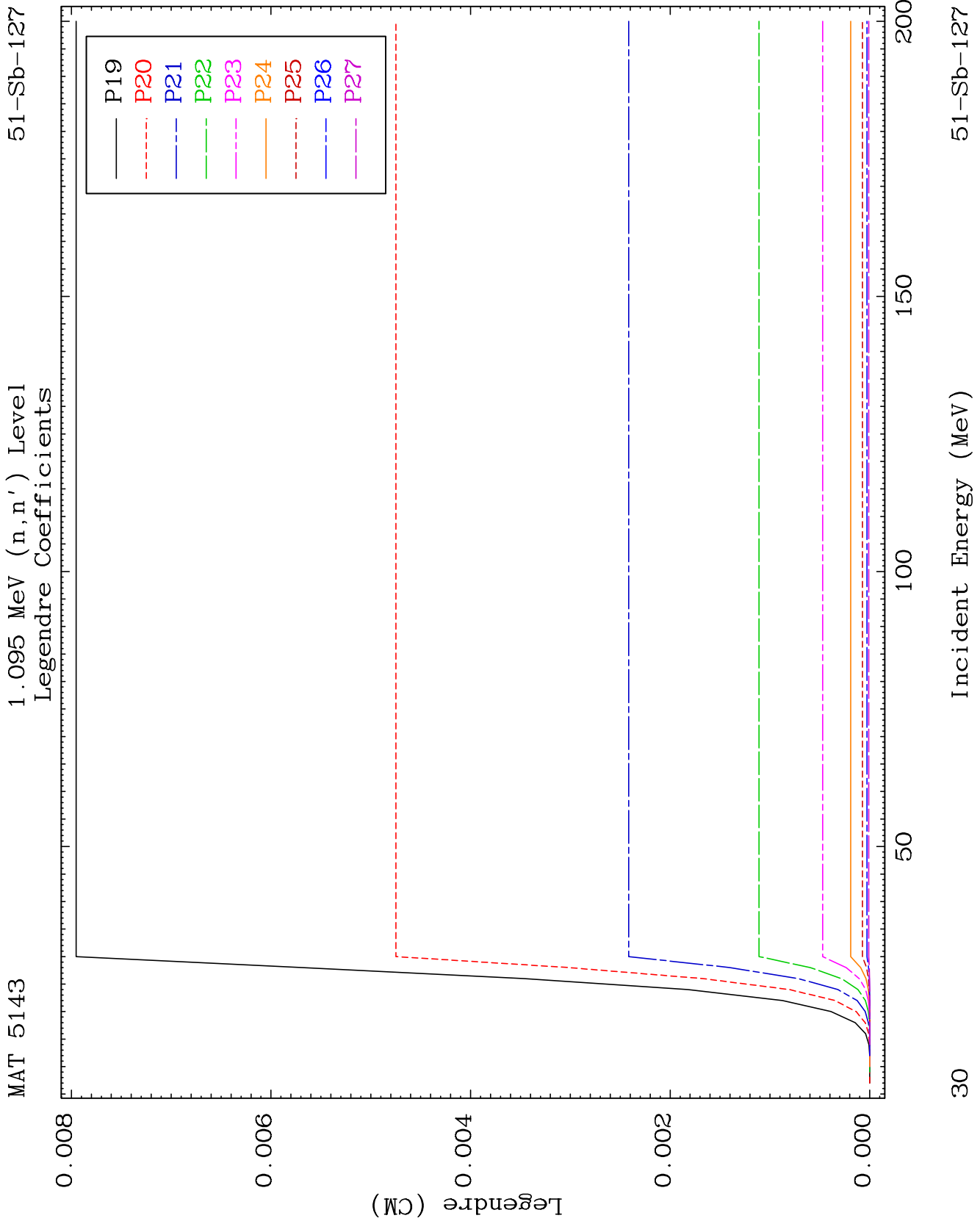
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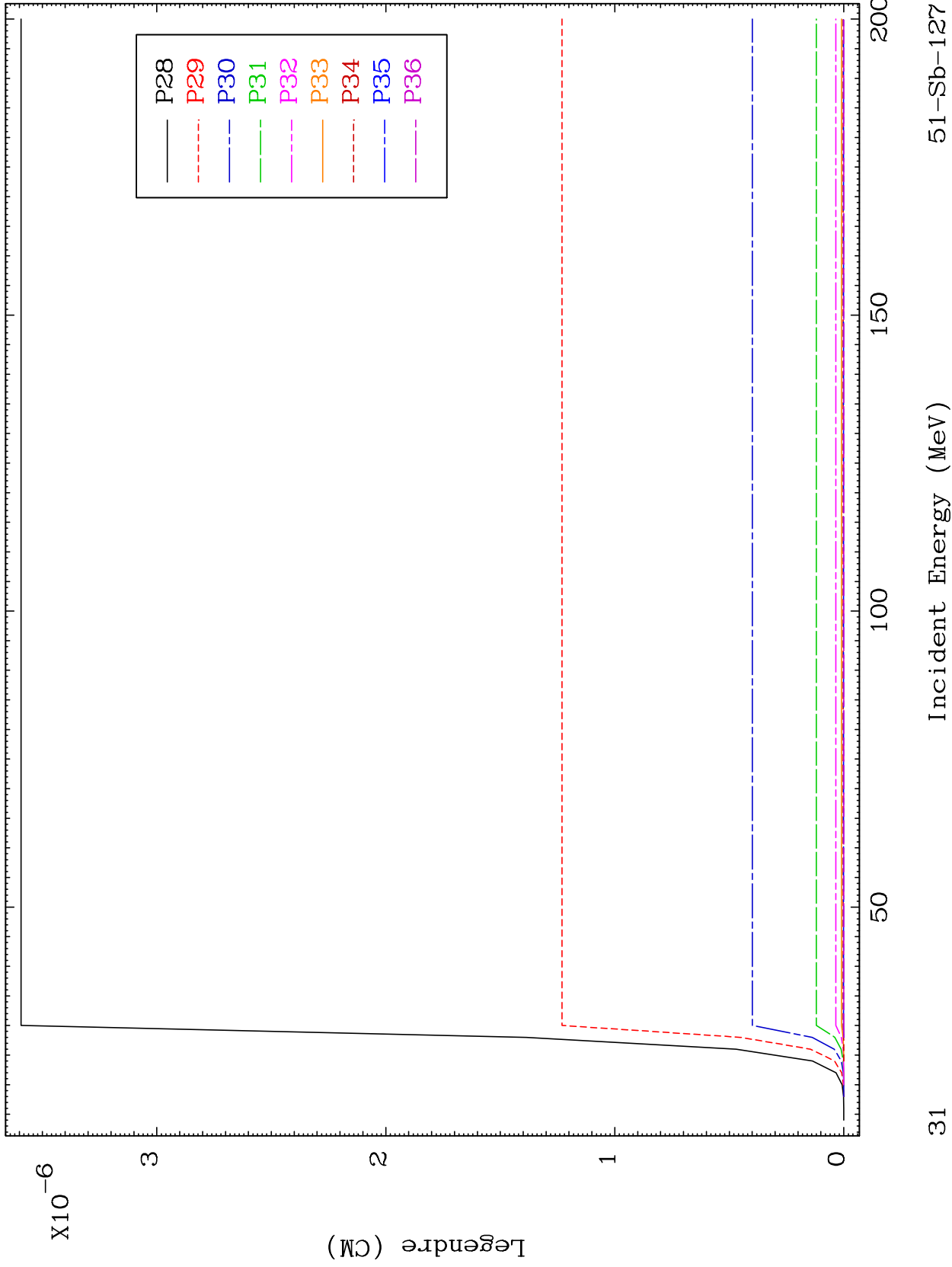




MAT 5143

1.095 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127

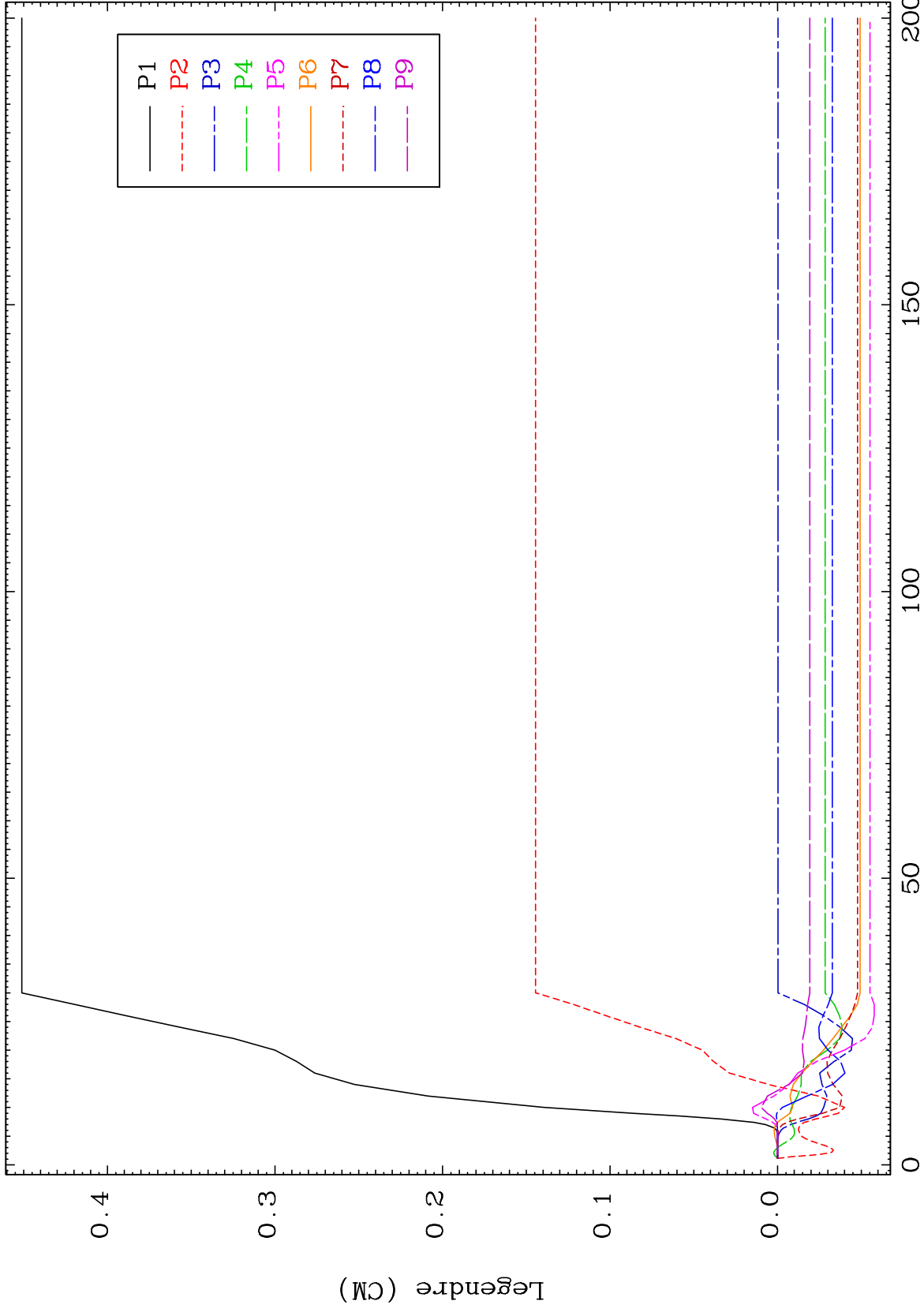


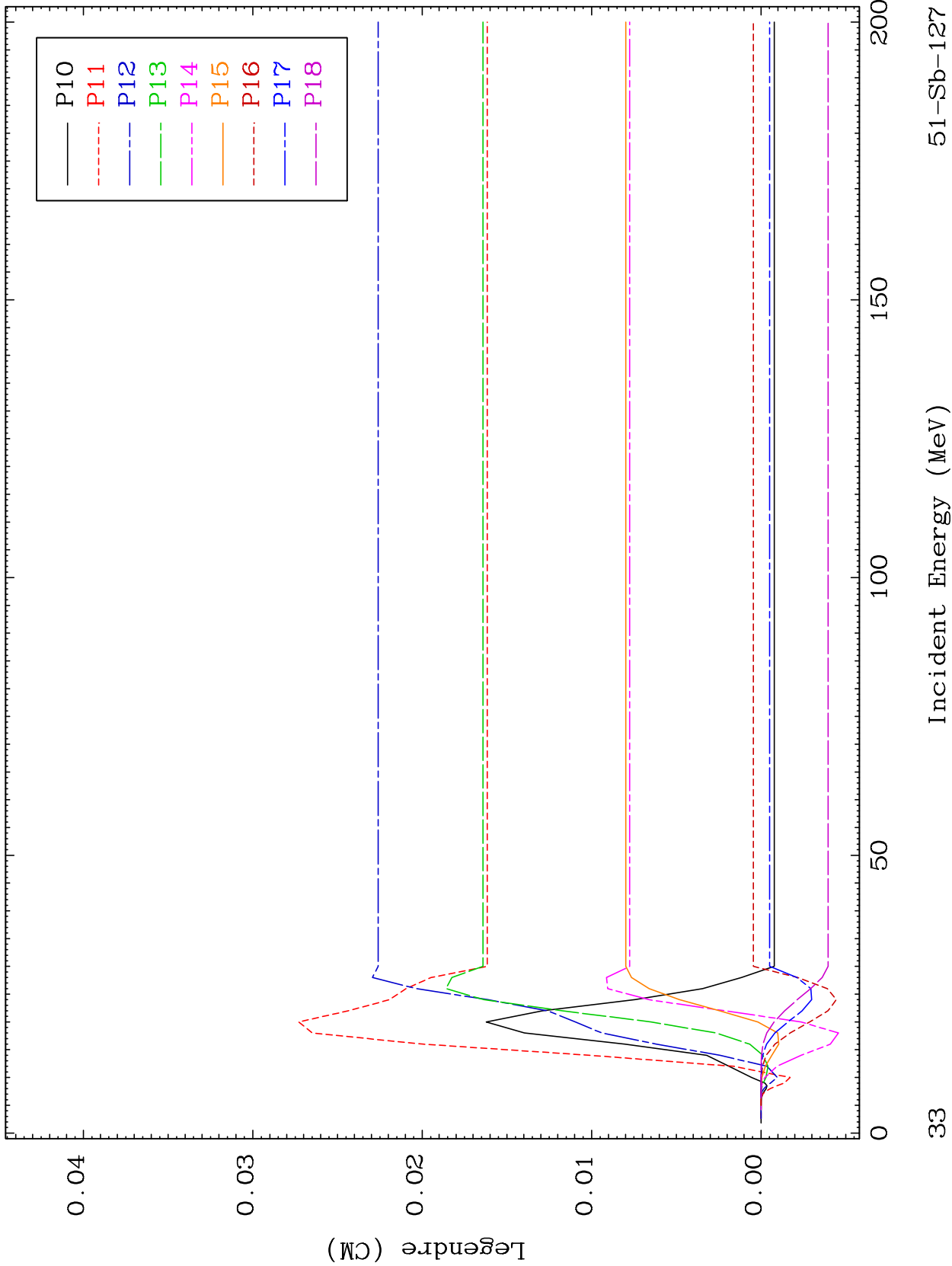
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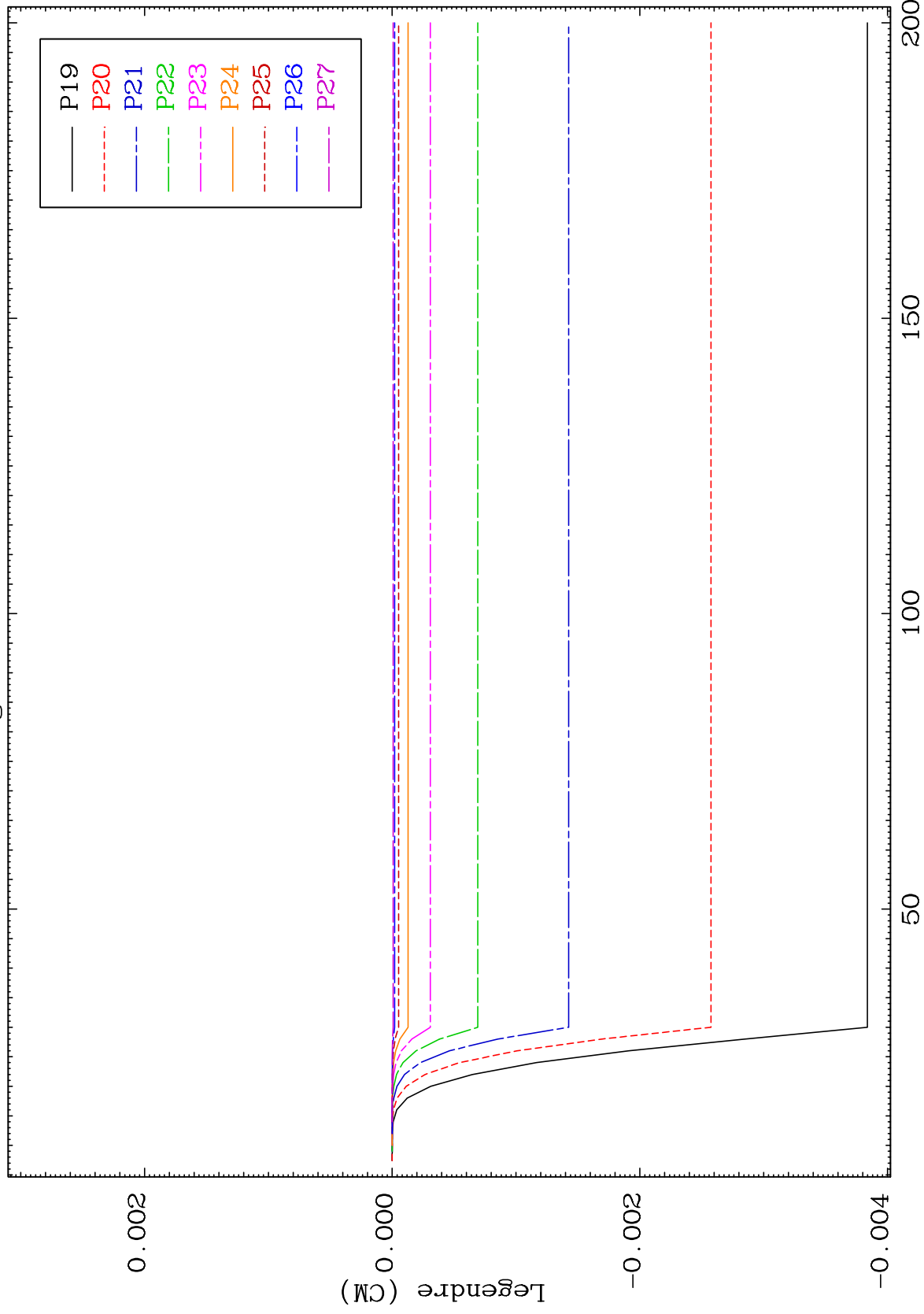
Incident Energy (MeV)

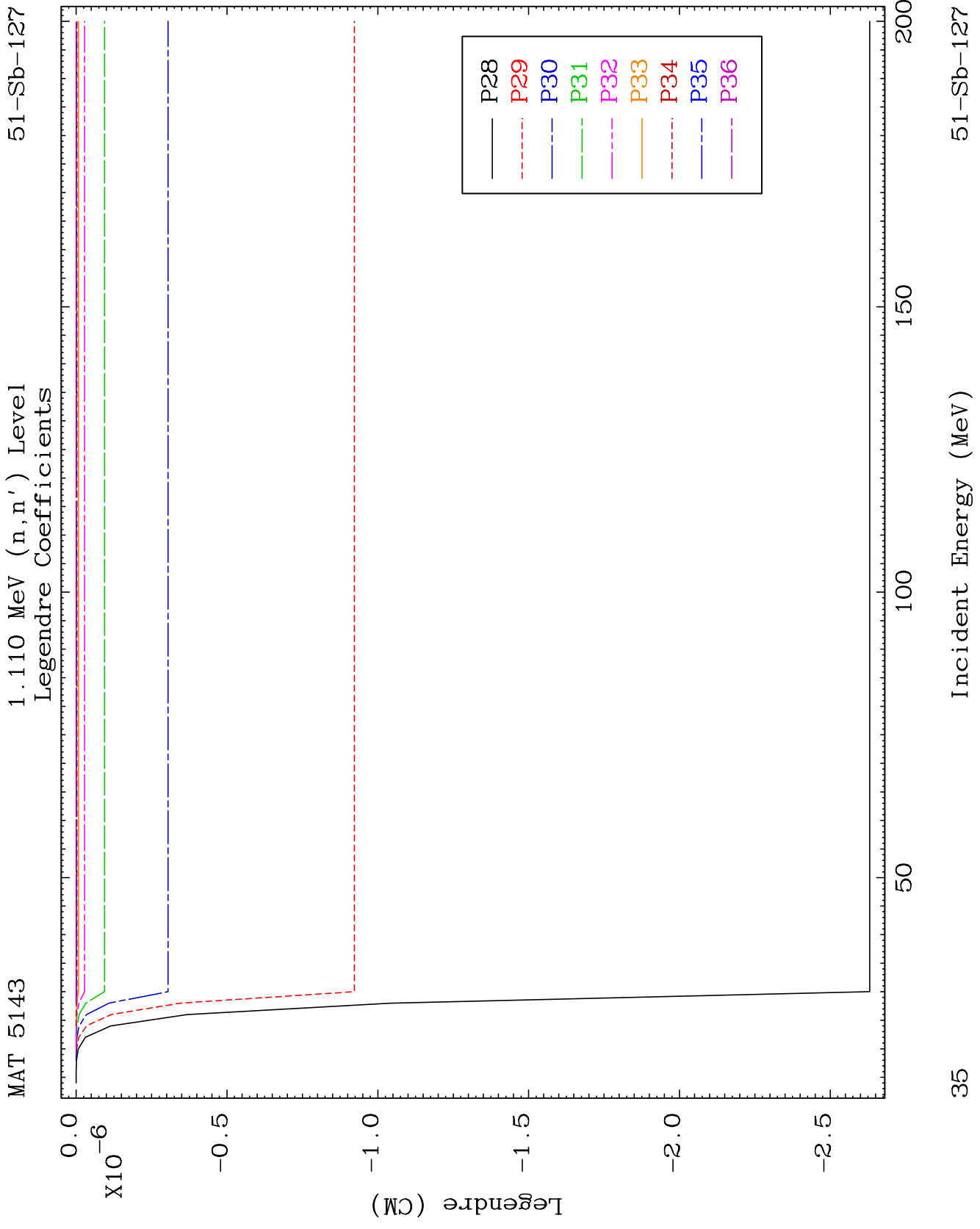
51-Sb-127

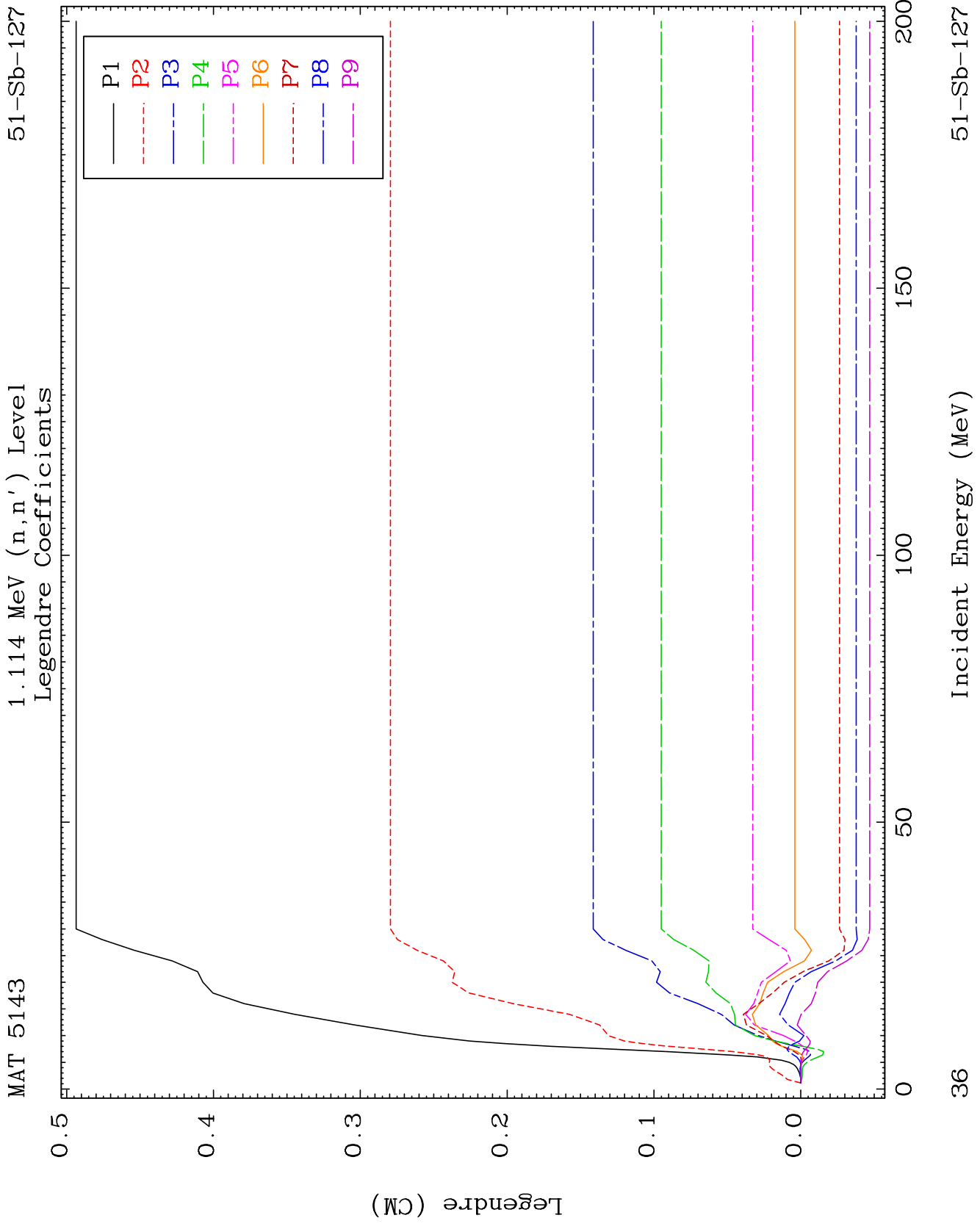








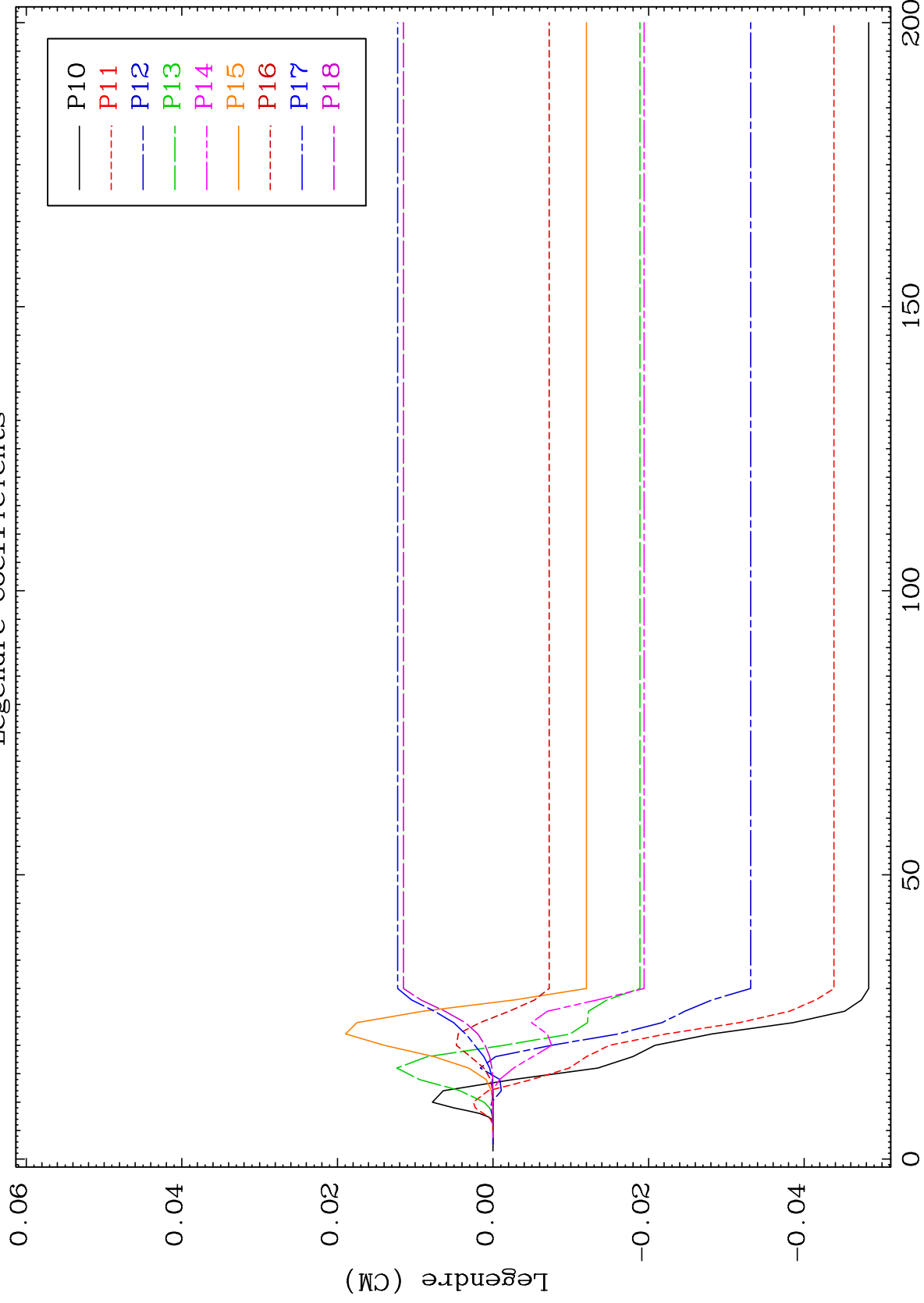




MAT 5143

1.114 MeV (n,n') Level  
Legendre Coefficients

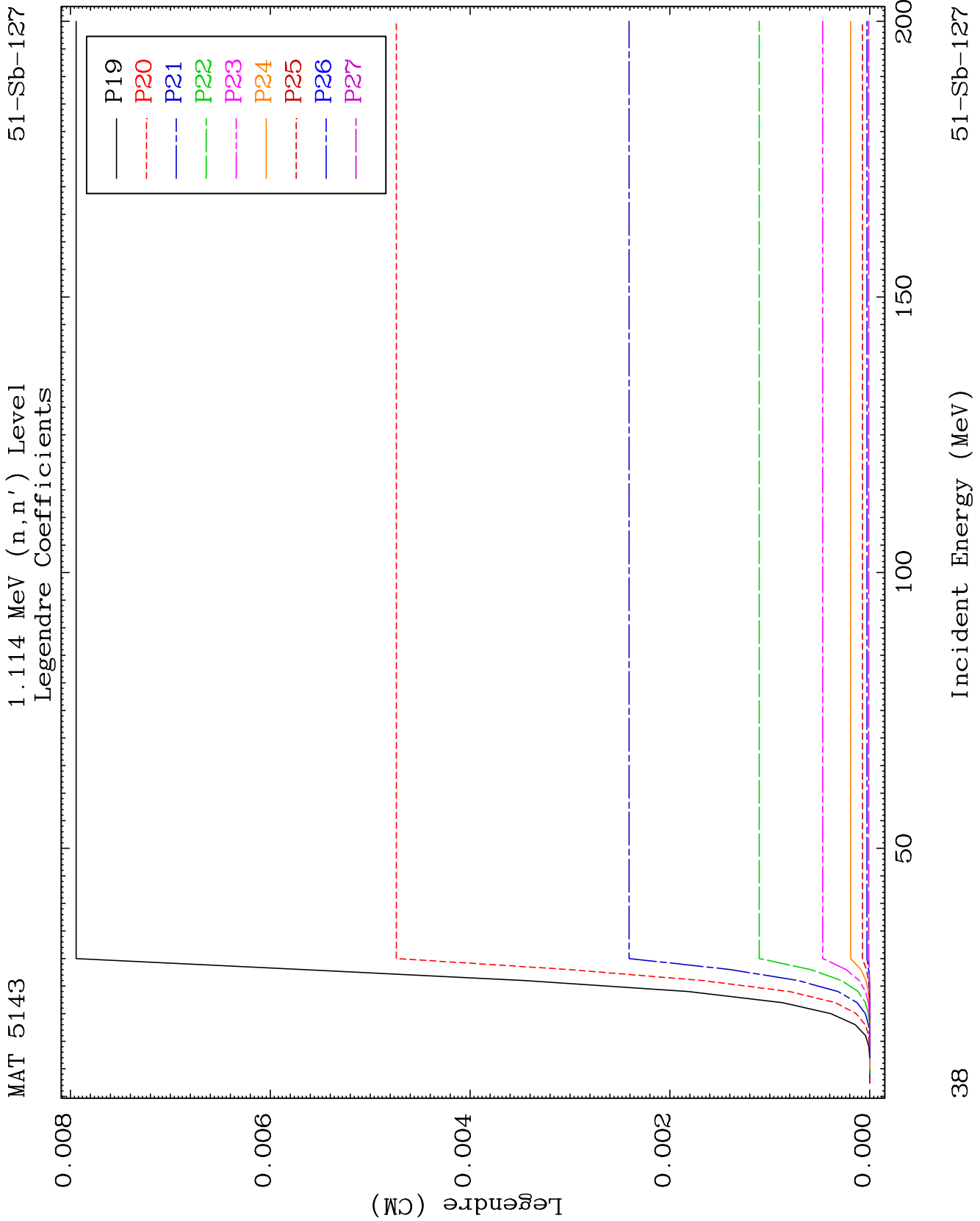
51-Sb-127



37

Incident Energy (MeV)

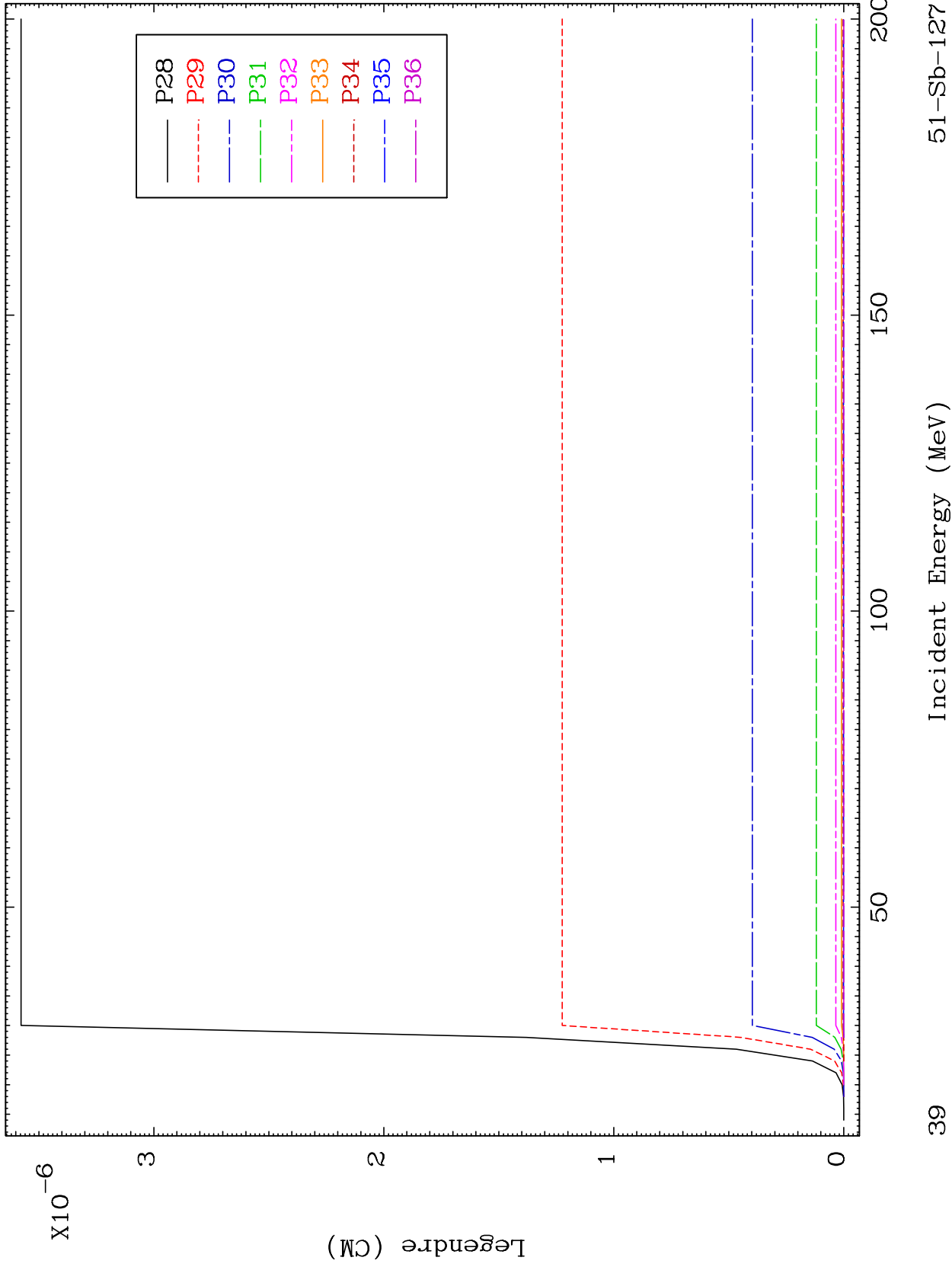
51-Sb-127



MAT 5143

1.114 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



39

Incident Energy (MeV)

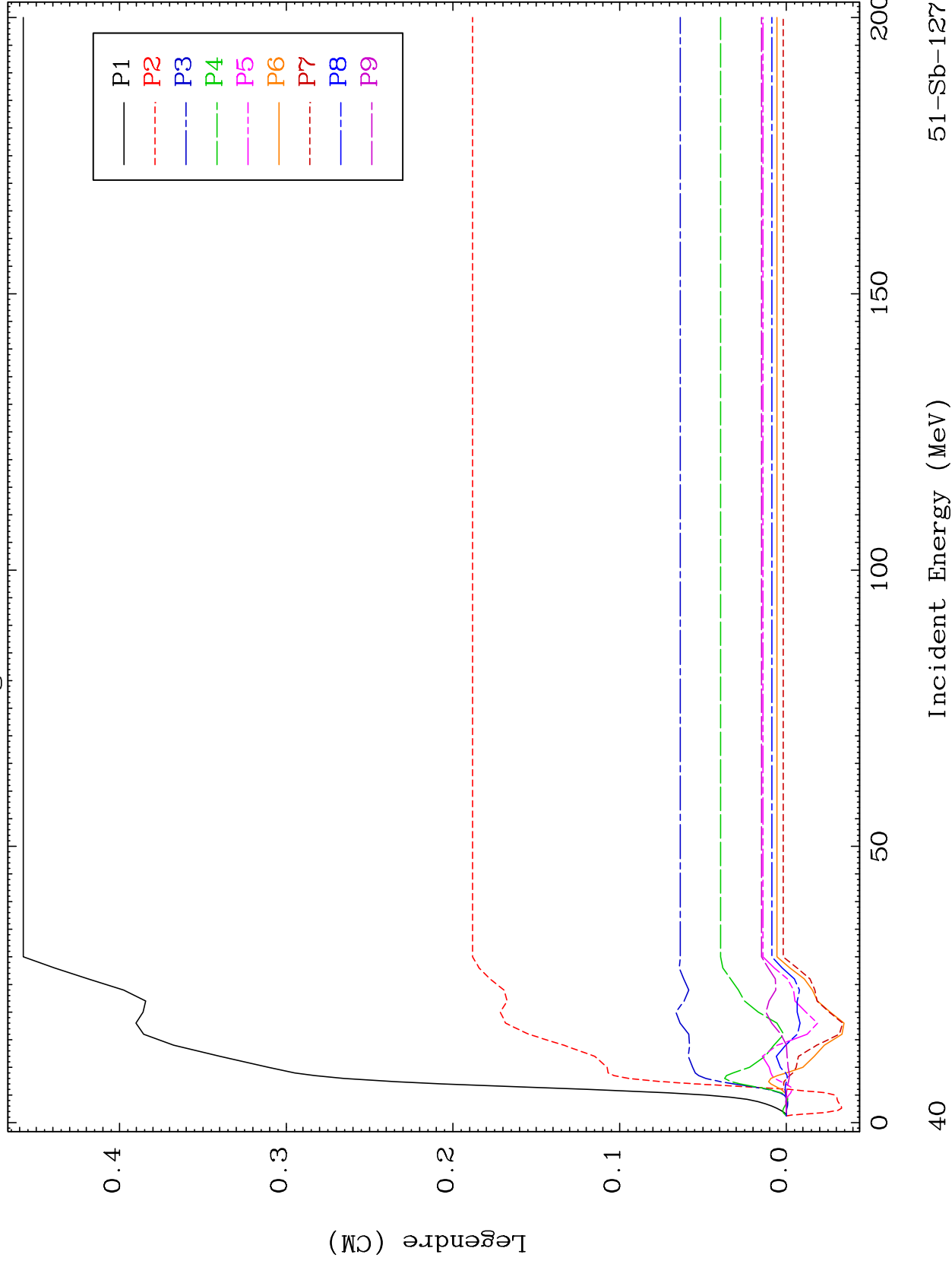
51-Sb-127



MAT 5143

1.186 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

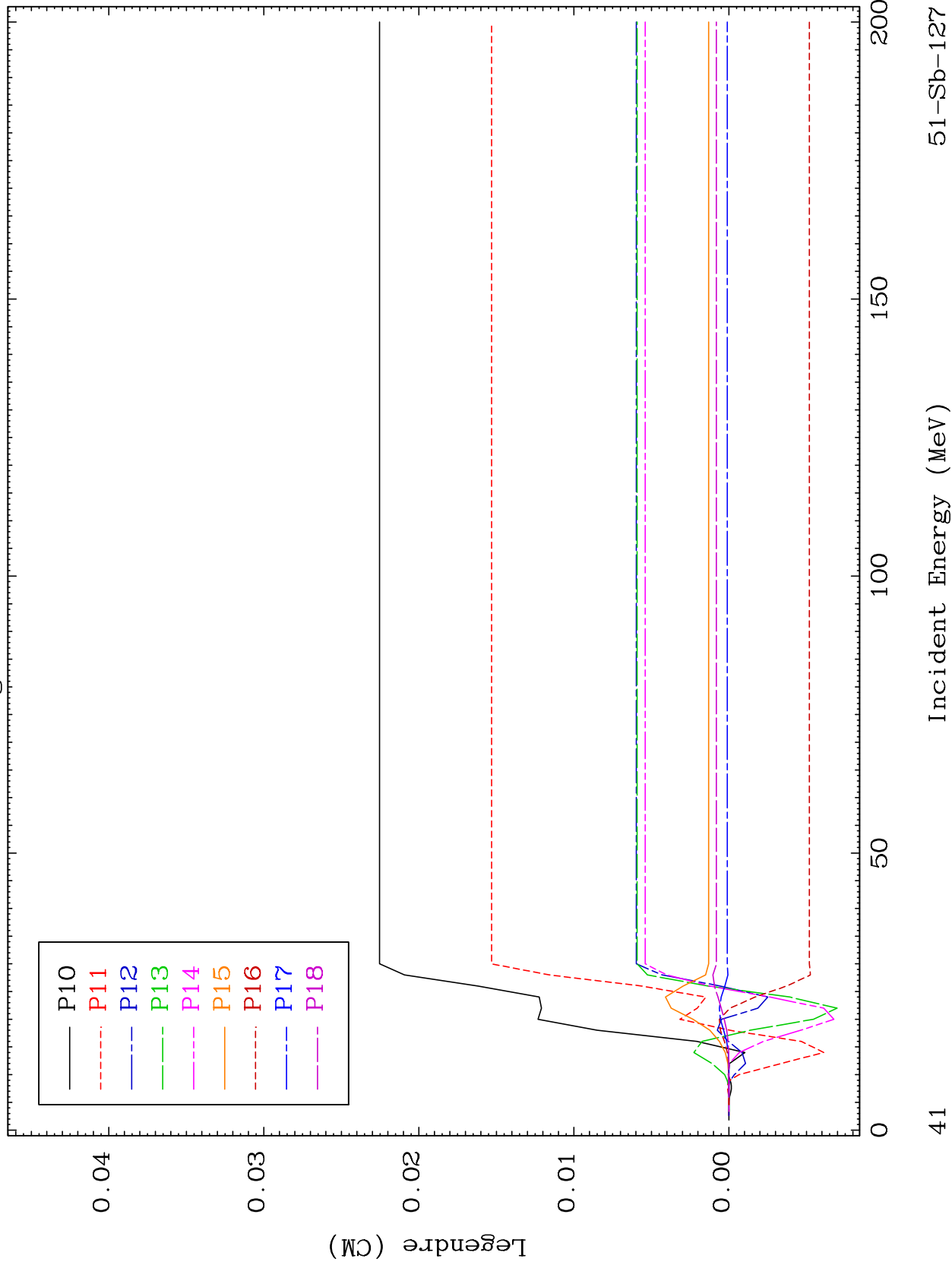
Incident Energy (MeV)

40

MAT 5143

1.186 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



41

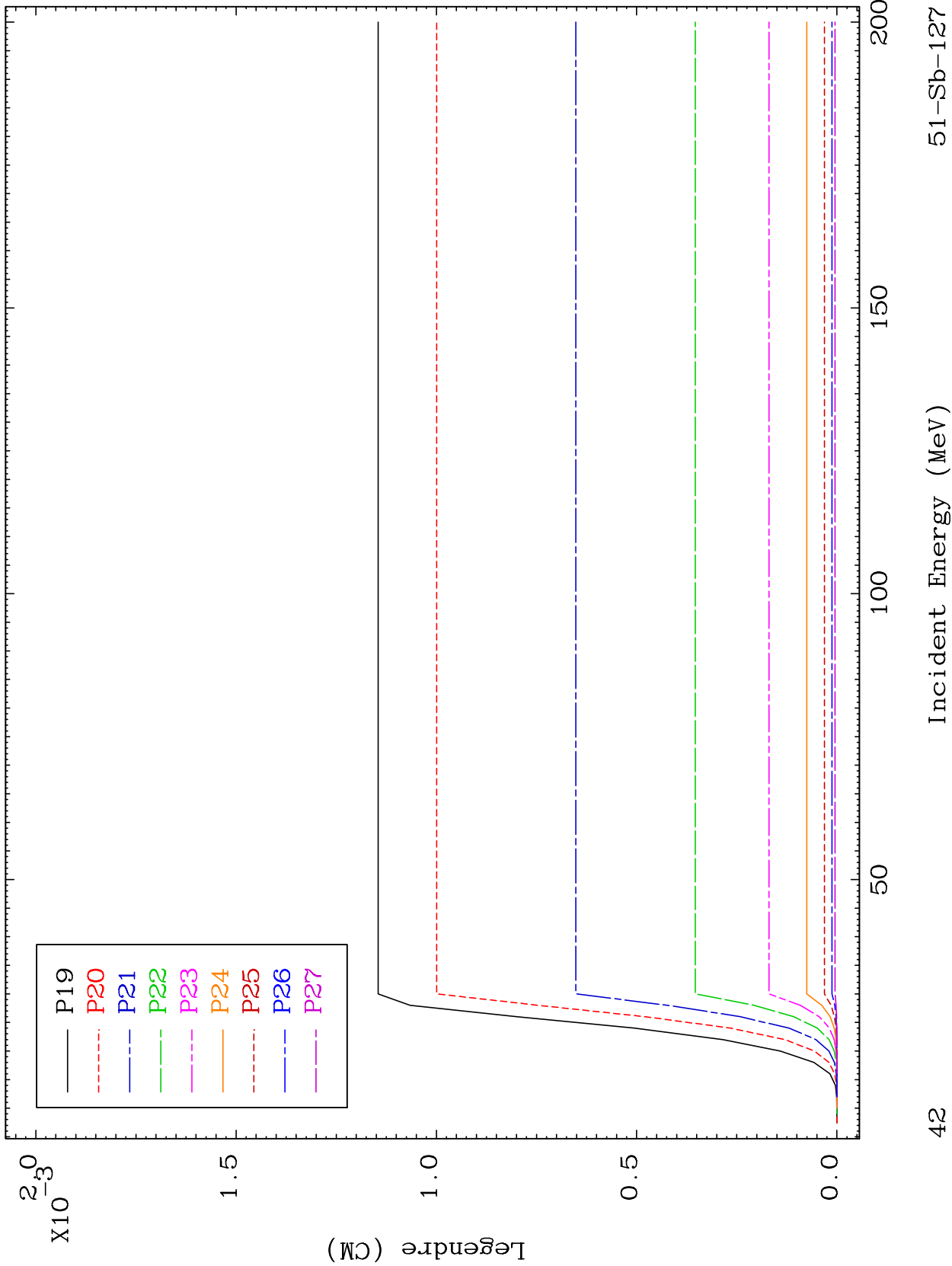
Incident Energy (MeV)

51-Sb-127

MAT 5143

1.186 MeV (n,n') Level  
Legendre Coefficients

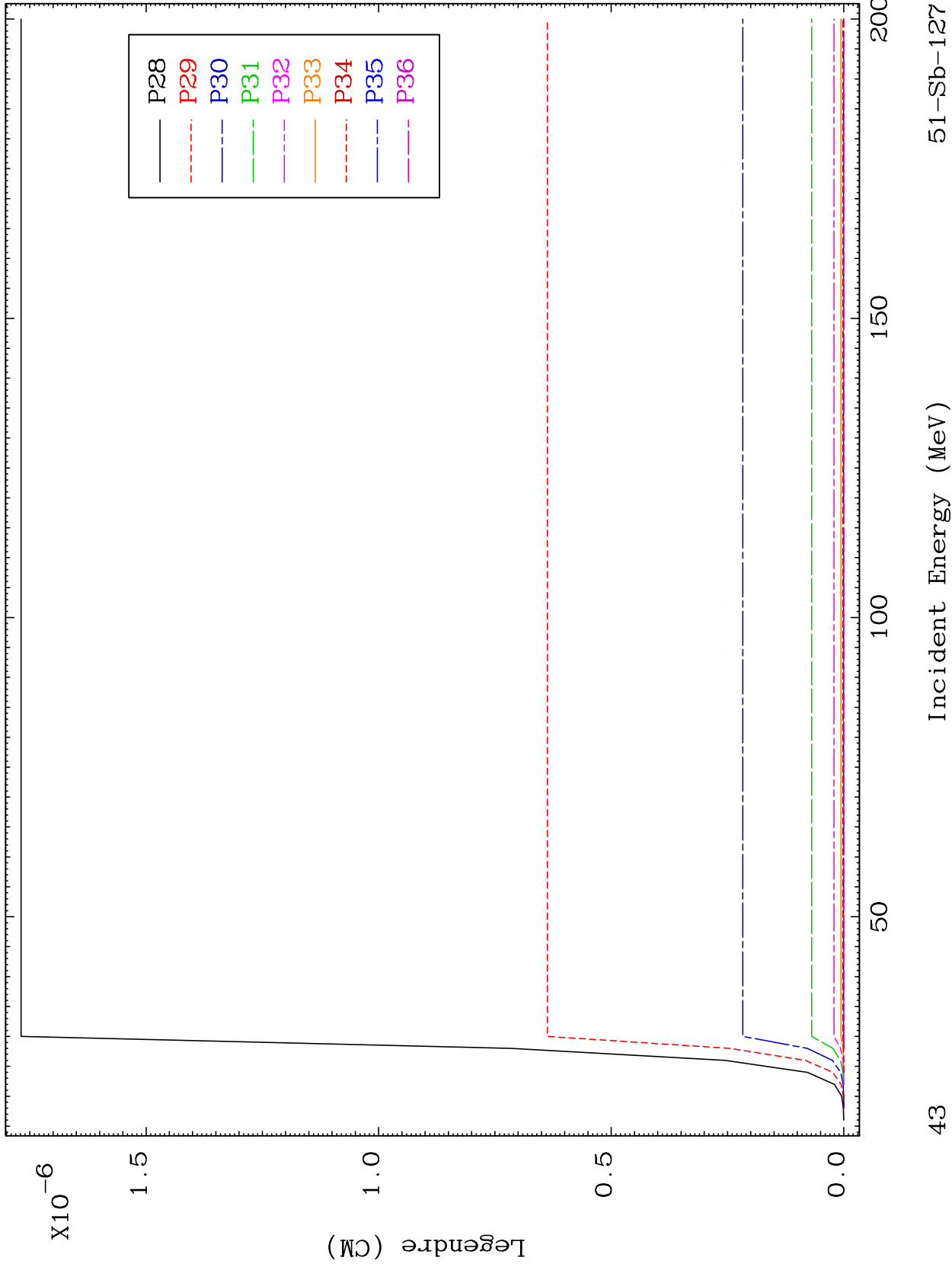
51-Sb-127



MAT 5143

1.186 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127

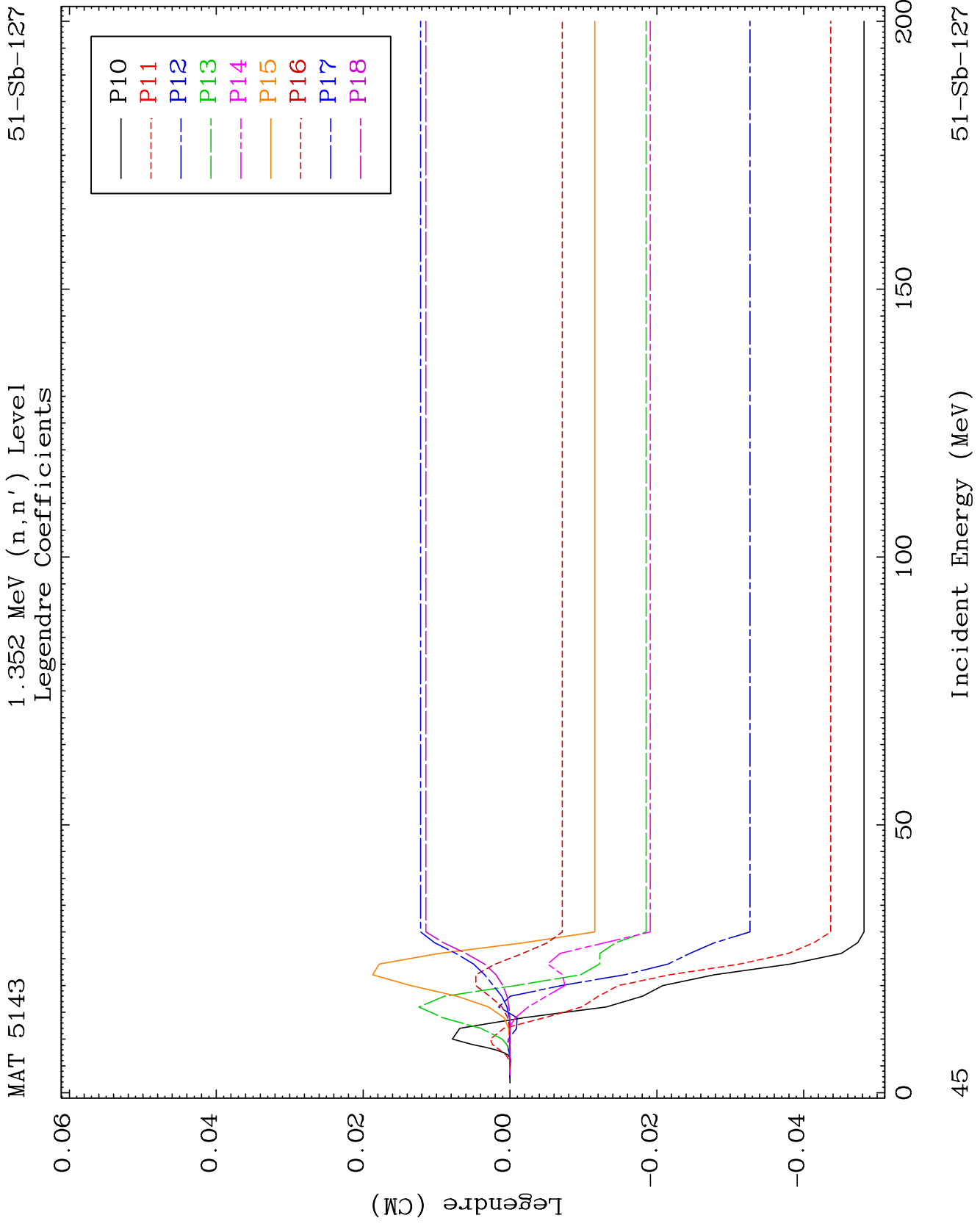


43

Incident Energy (MeV)

51-Sb-127

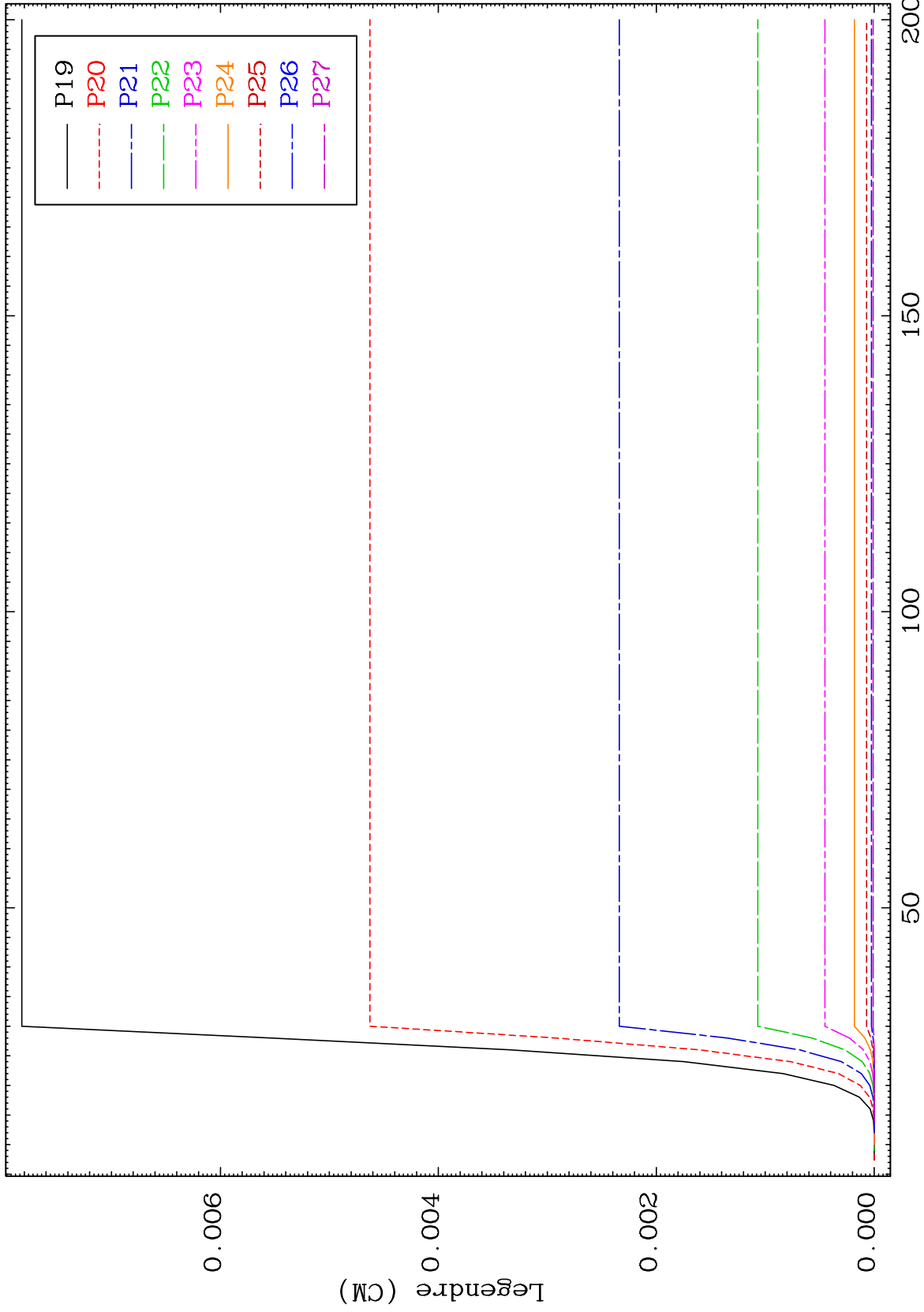




MAT 5143

1.352 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



46

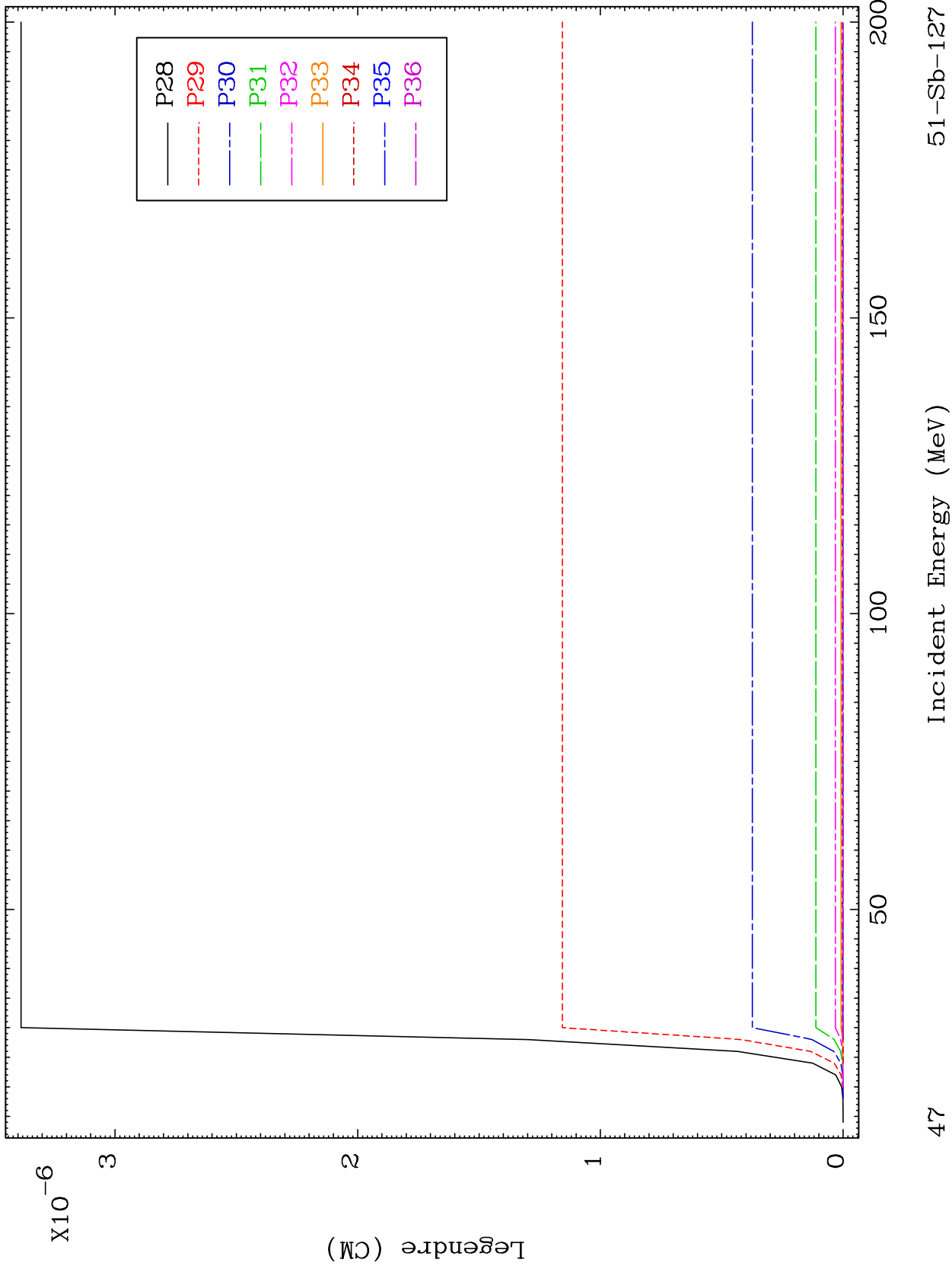
Incident Energy (MeV)

51-Sb-127

MAT 5143

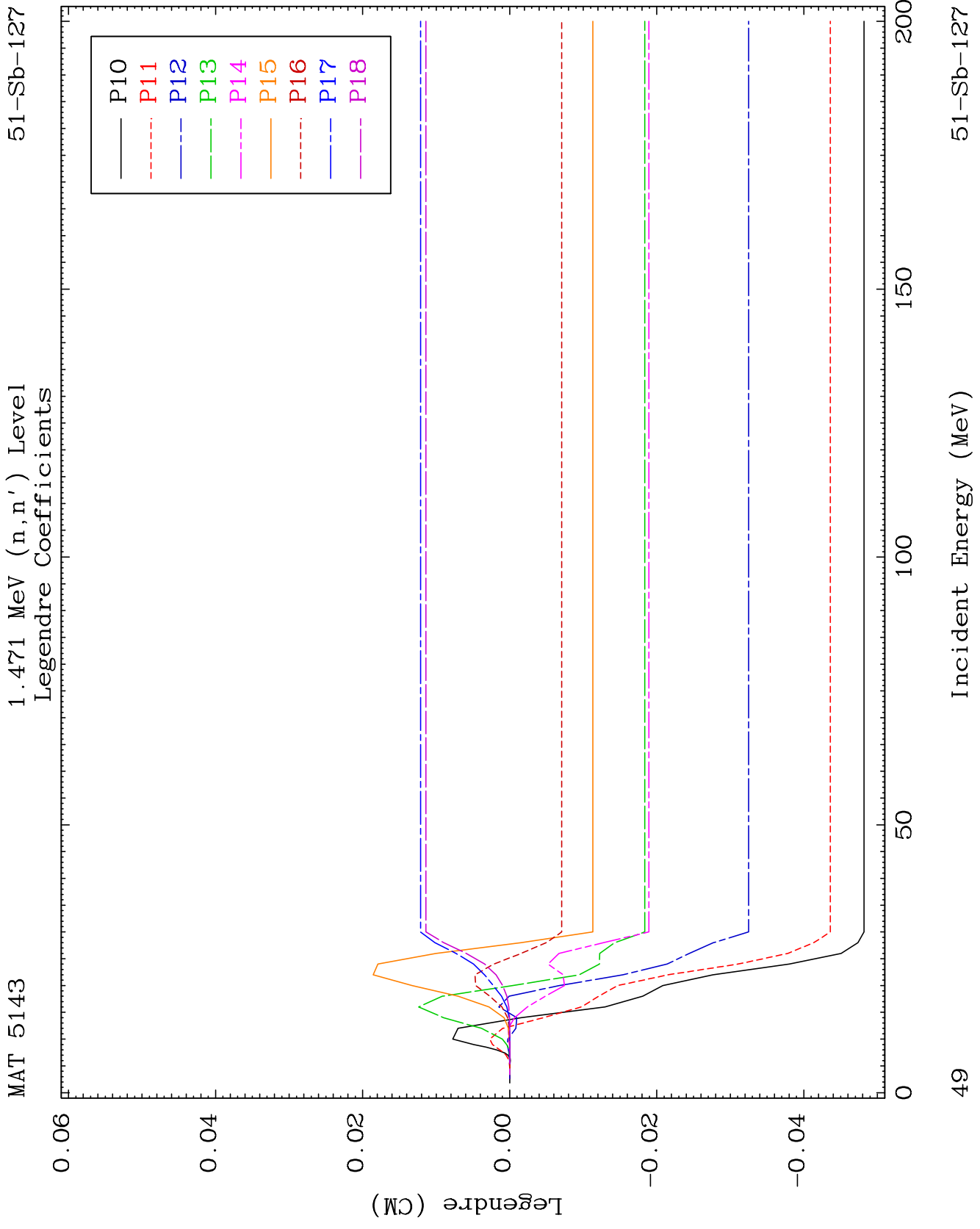
1.352 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127





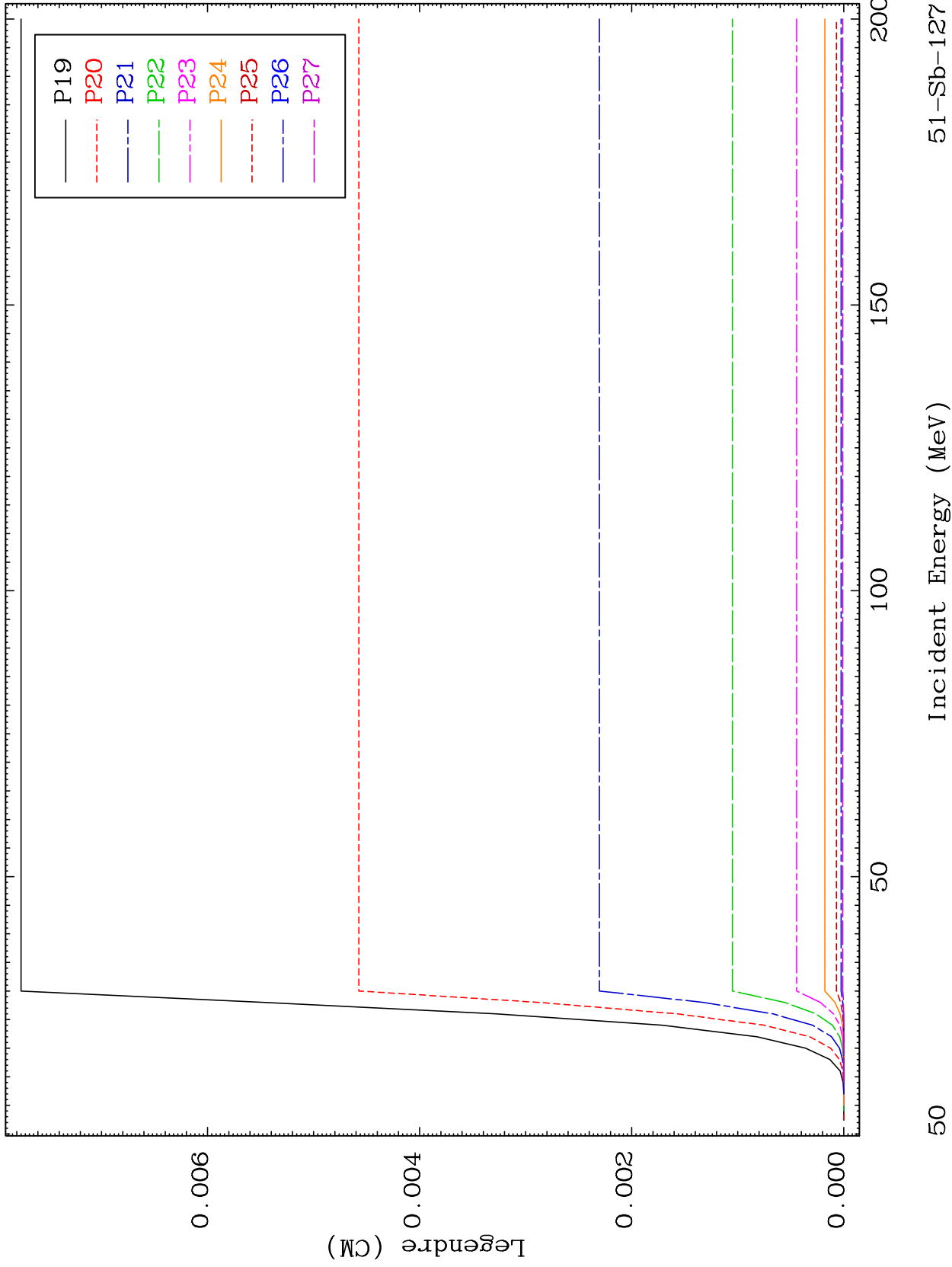




MAT 5143

1.471 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

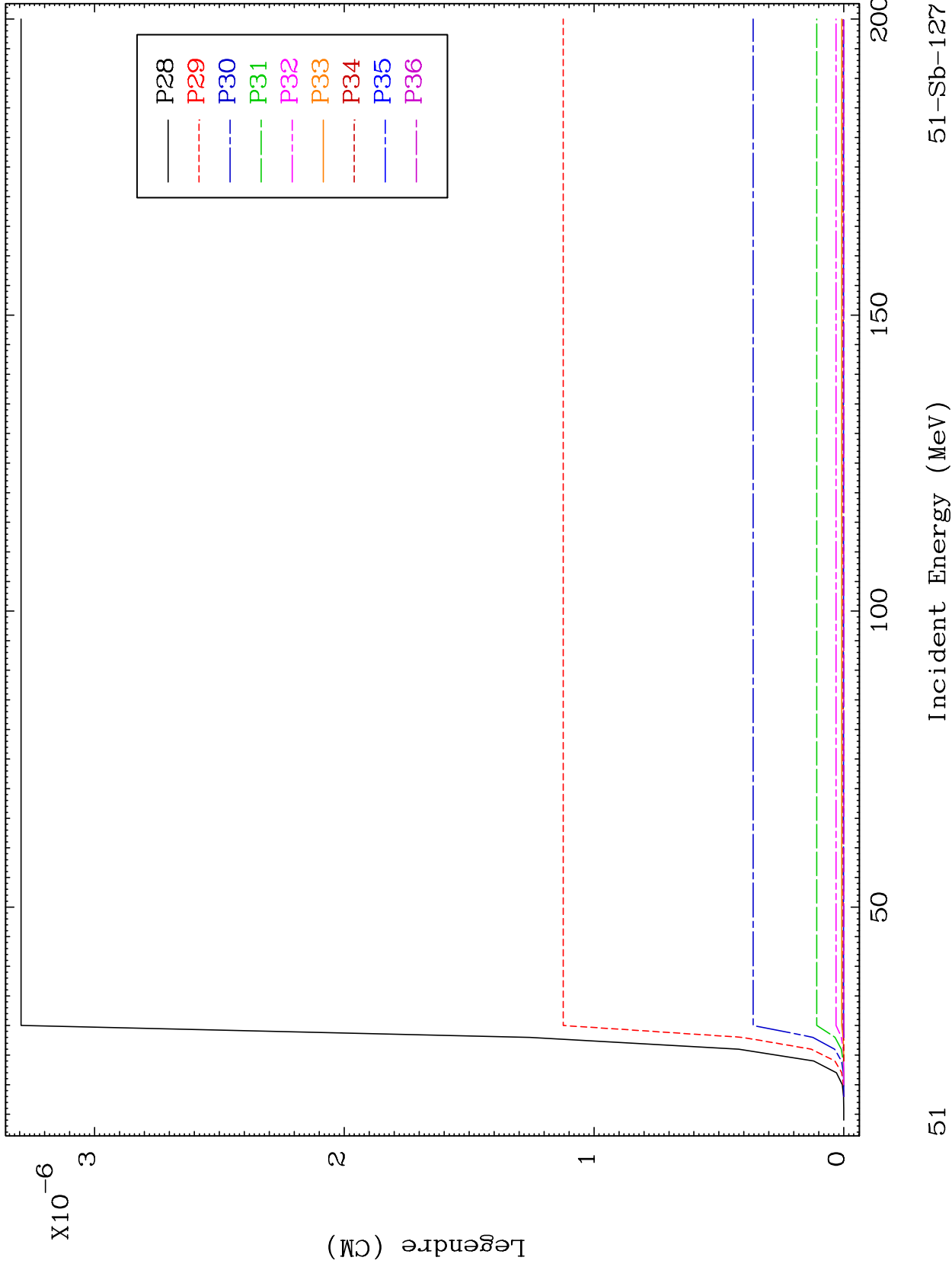
Incident Energy (MeV)

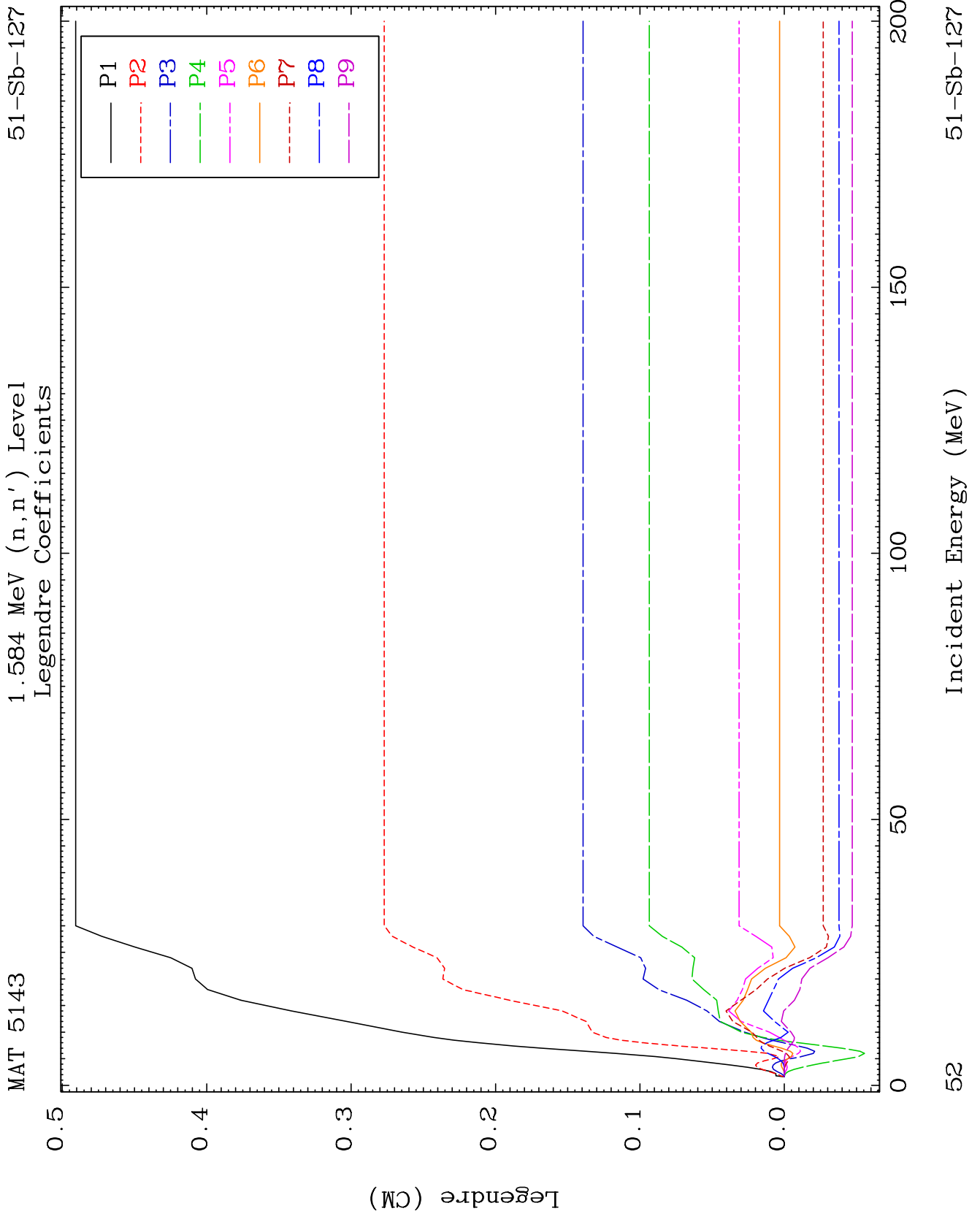
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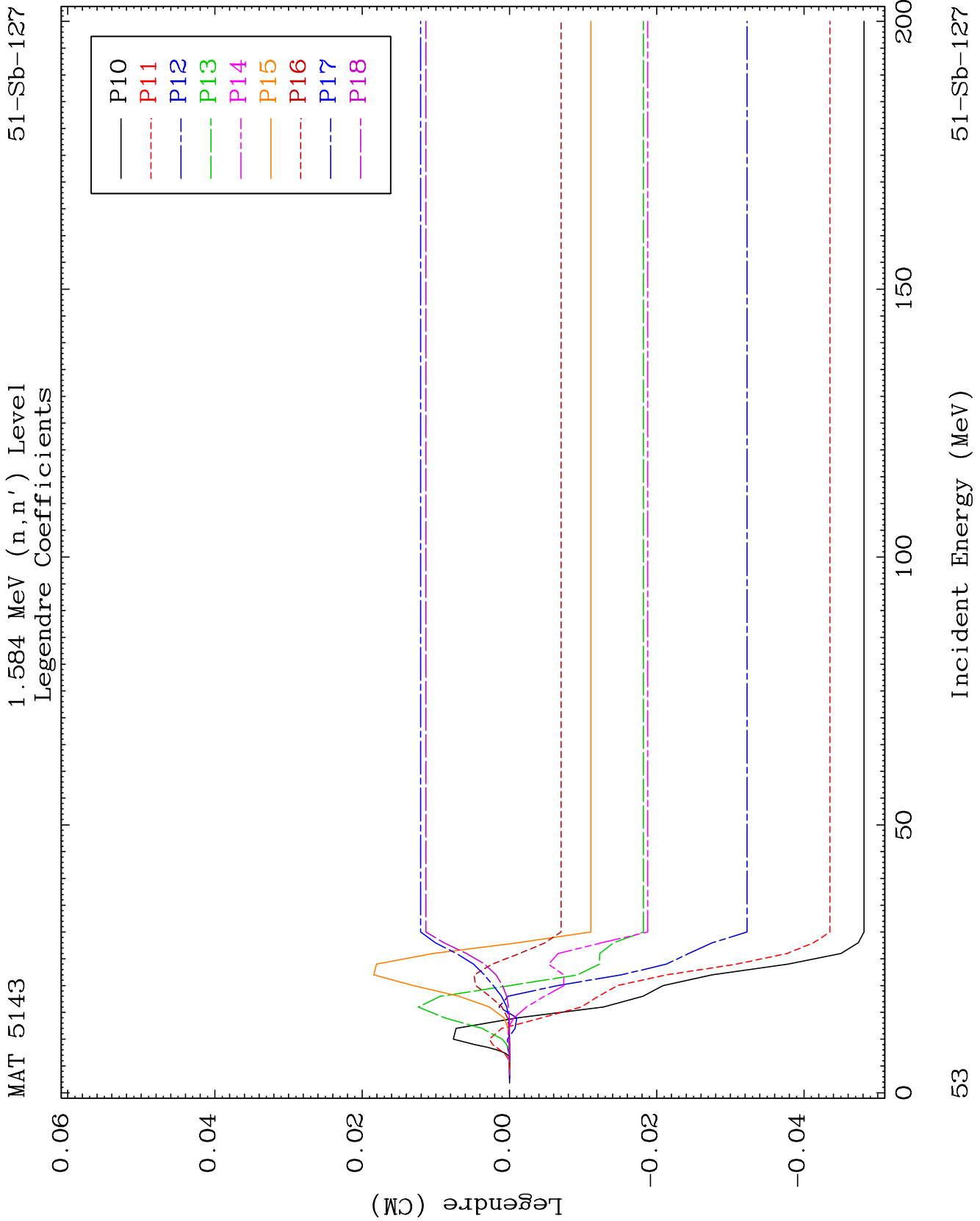
MAT 5143

1.471 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



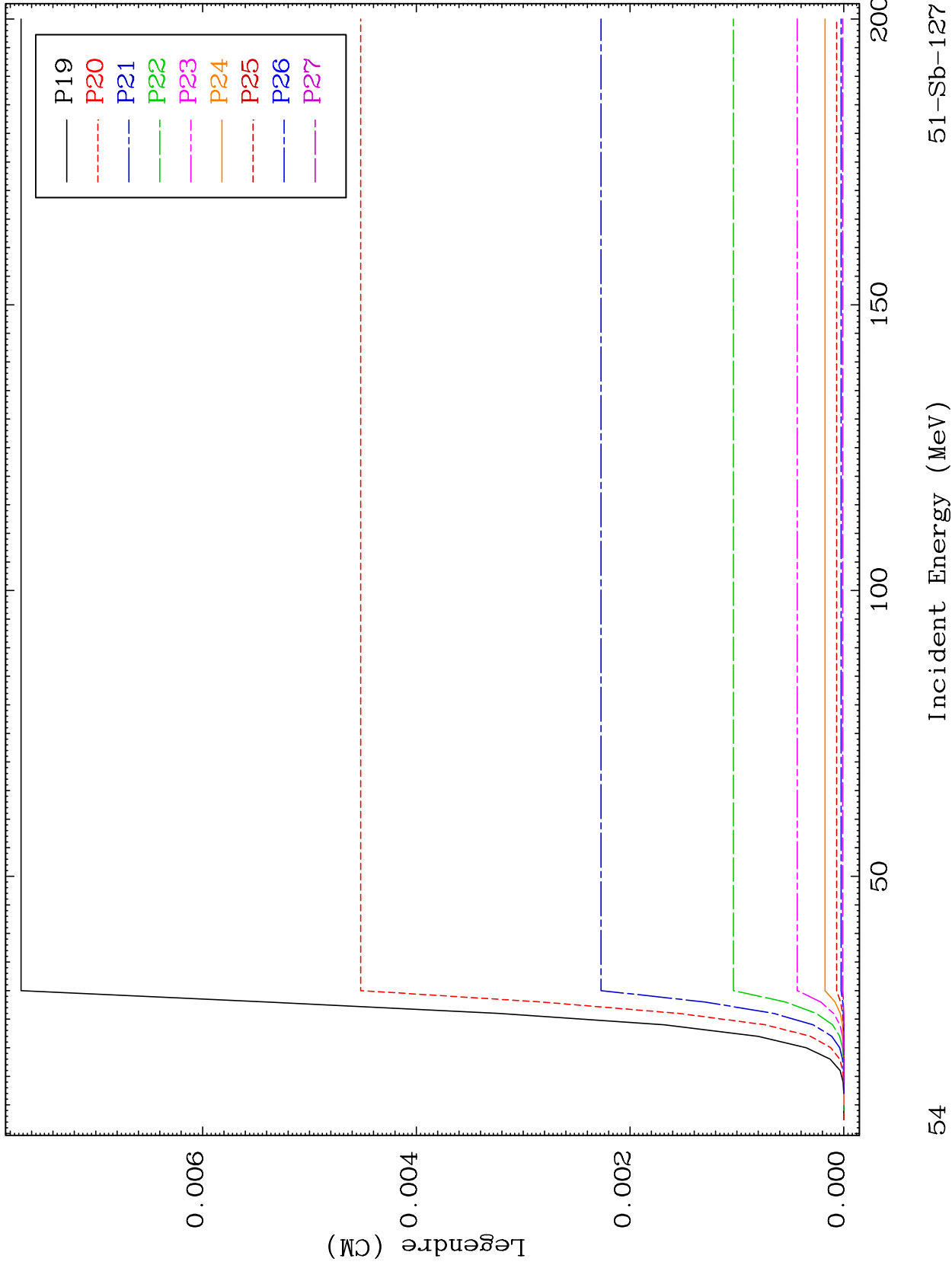




MAT 5143

1.584 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



54

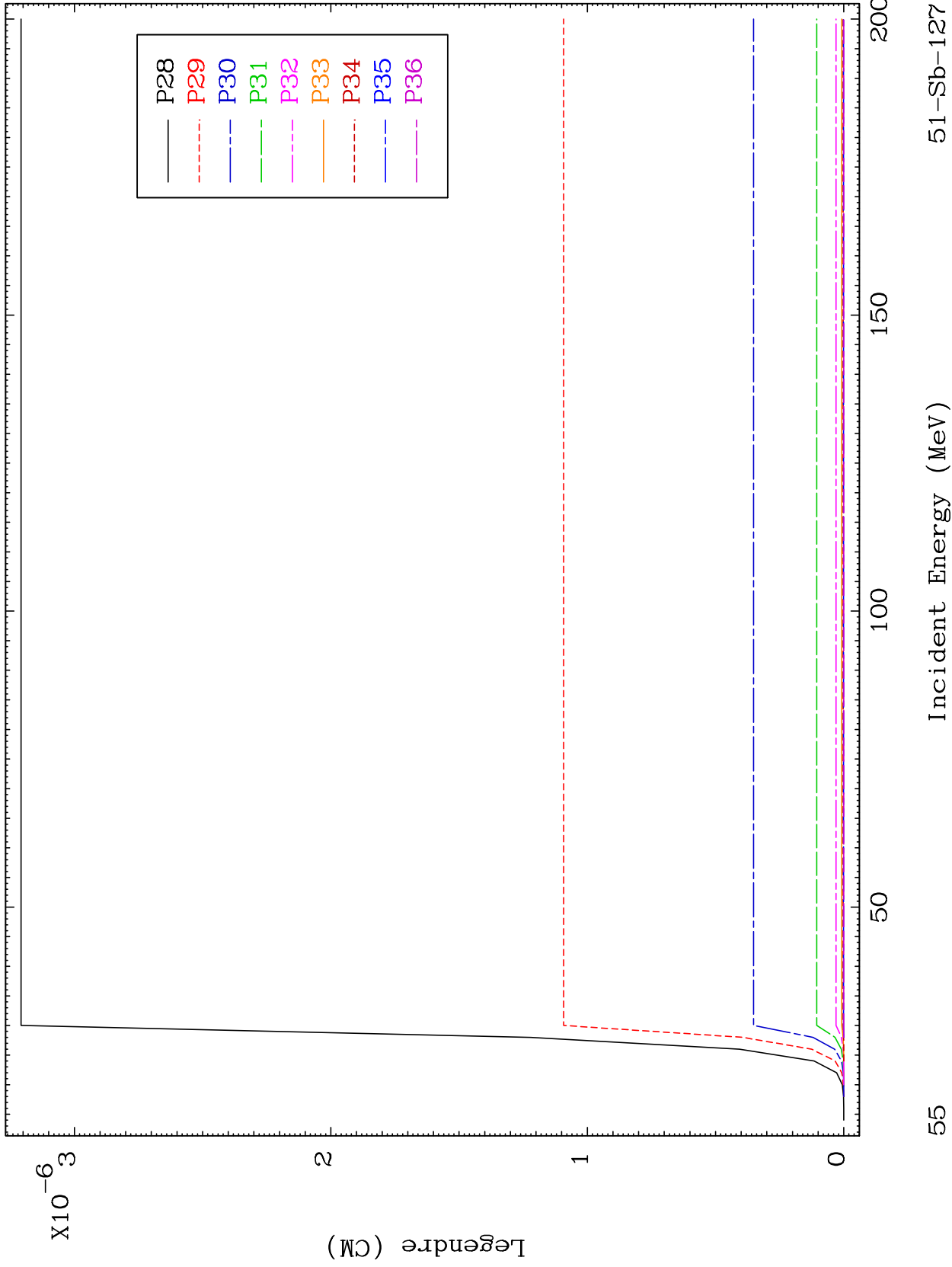
Incident Energy (MeV)

51-Sb-127

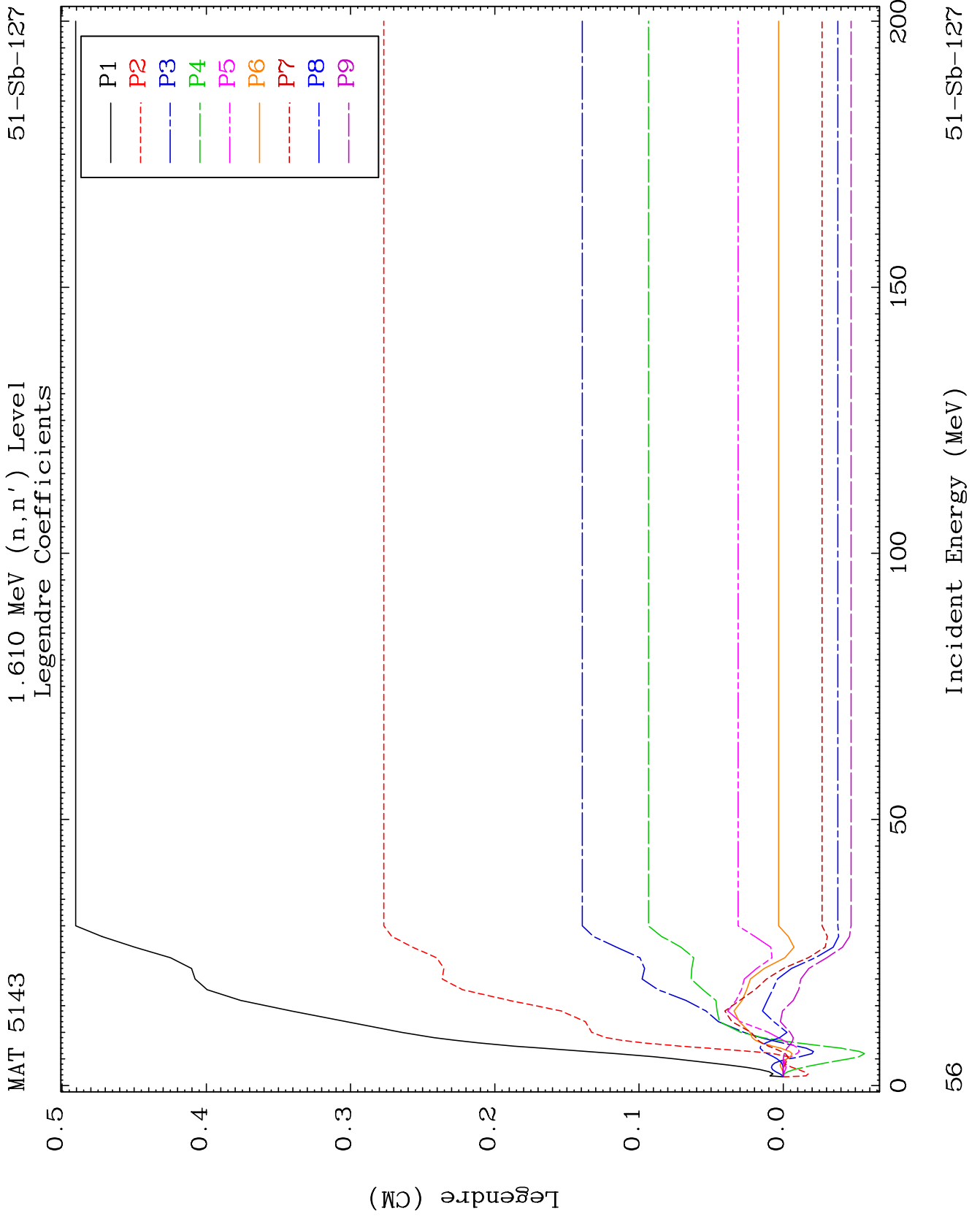
MAT 5143

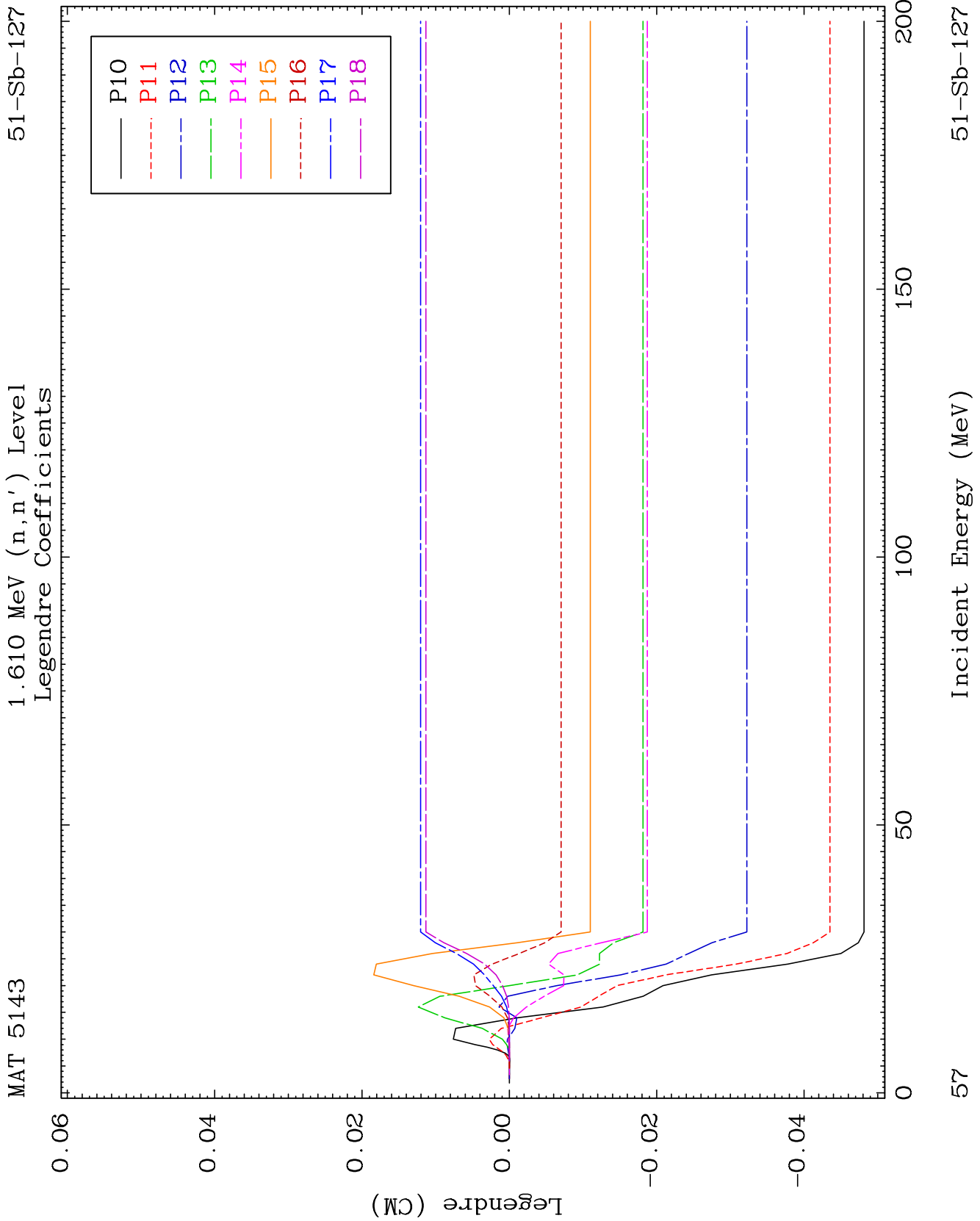
1.584 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127





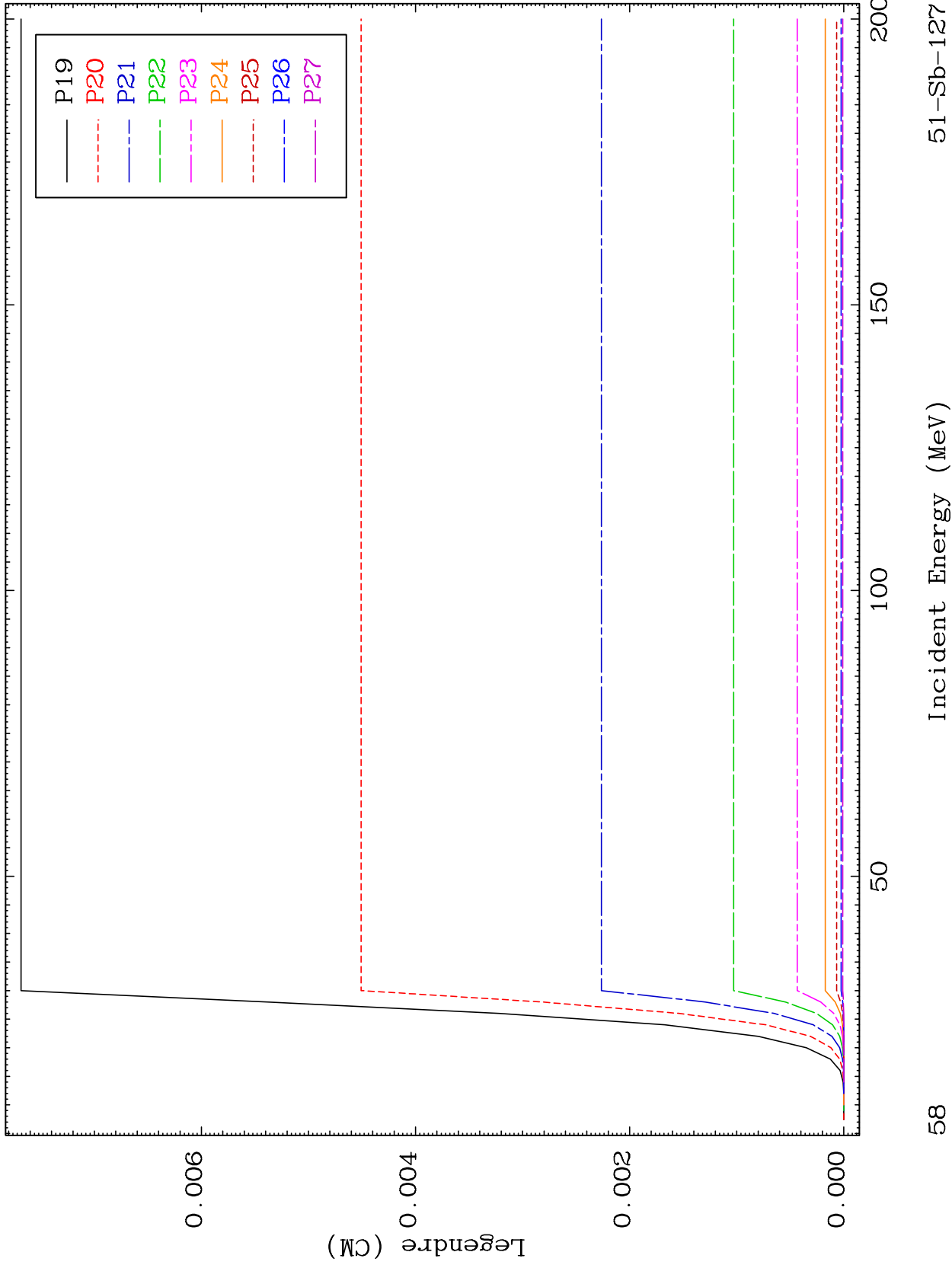




MAT 5143

1.610 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



58

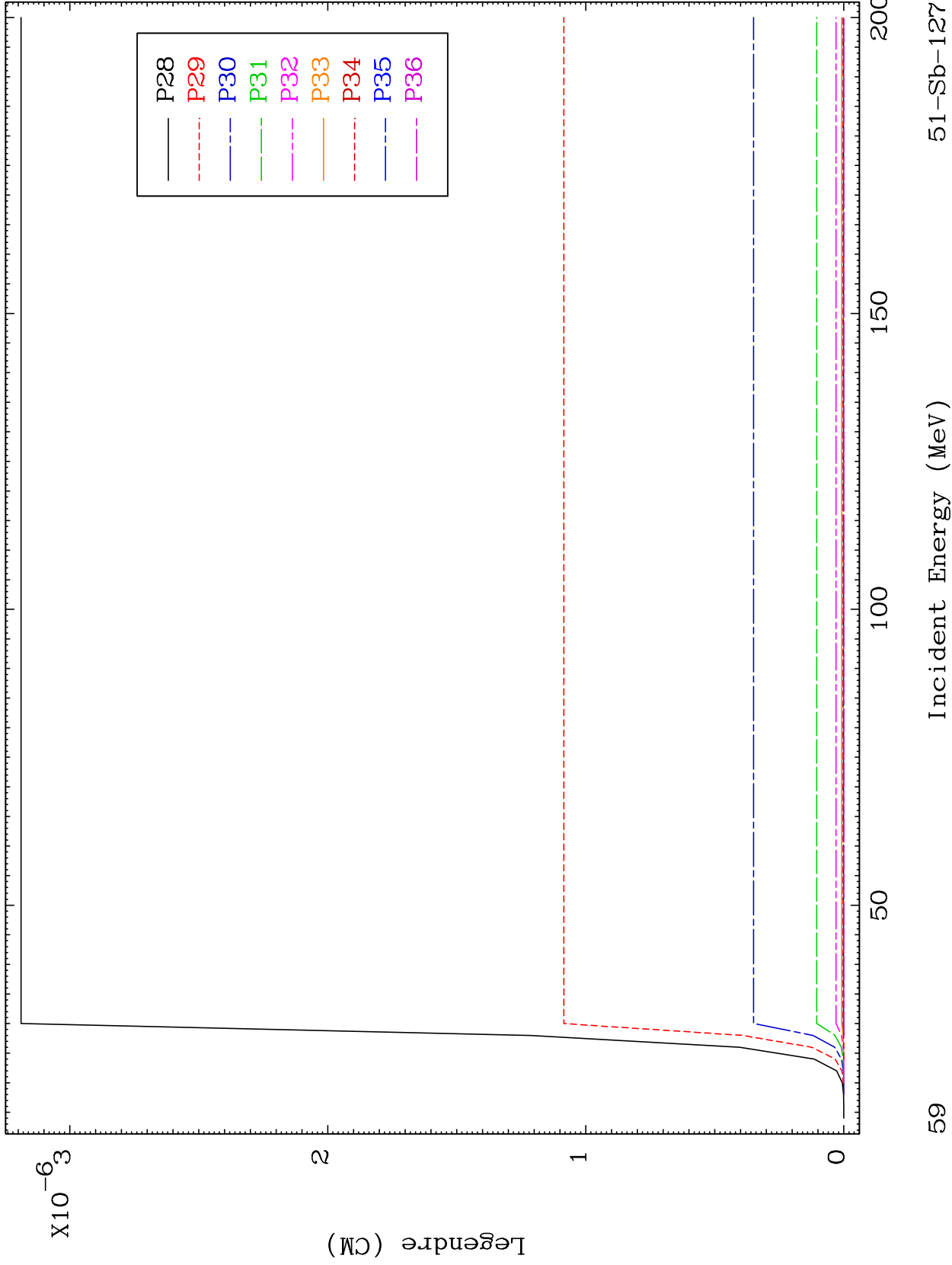
Incident Energy (MeV)

51-Sb-127

MAT 5143

1.610 MeV (n,n') Level  
Legendre Coefficients

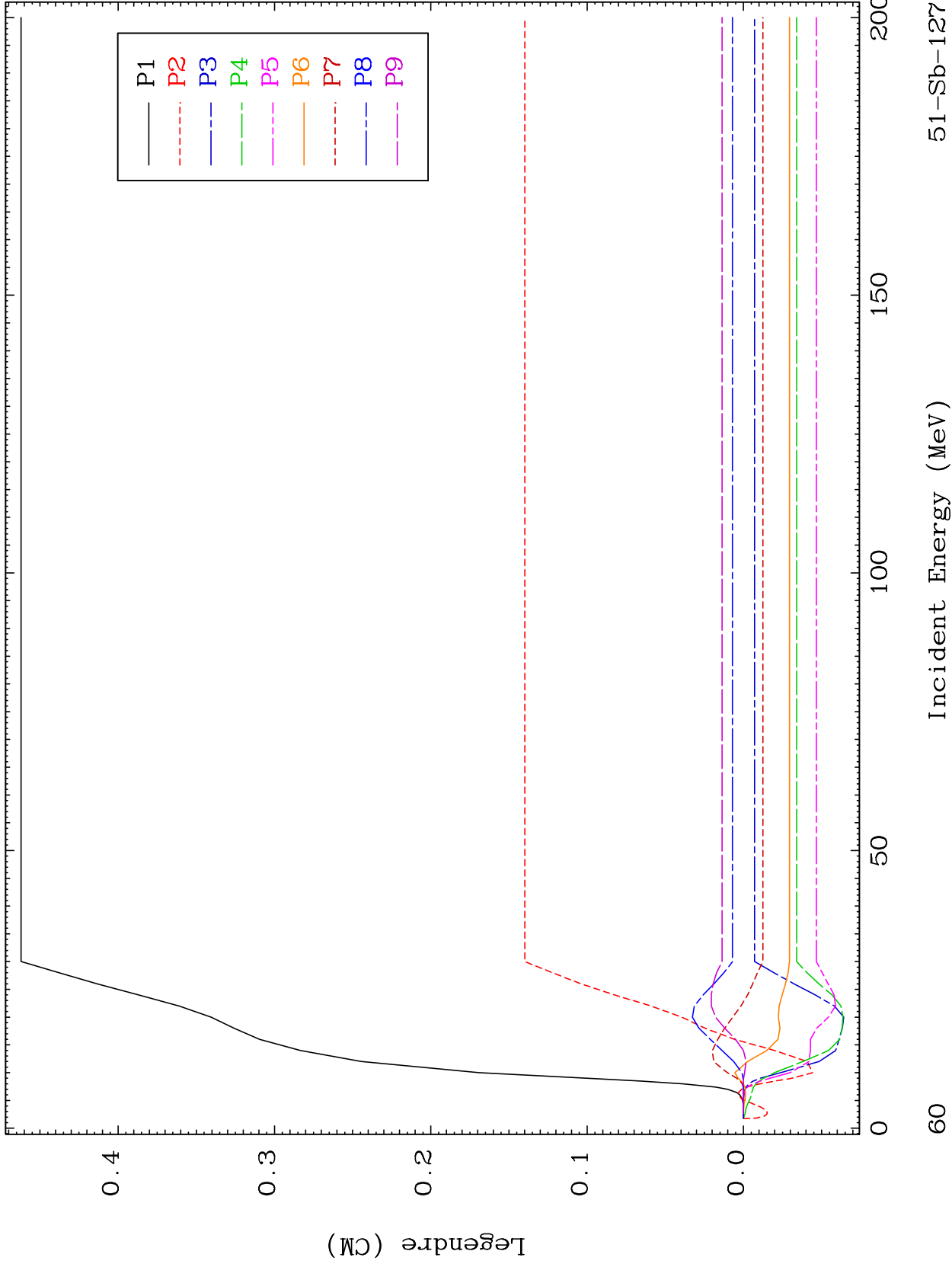
51-Sb-127



MAT 5143

1.701 MeV (n,n') Level  
Legendre Coefficients

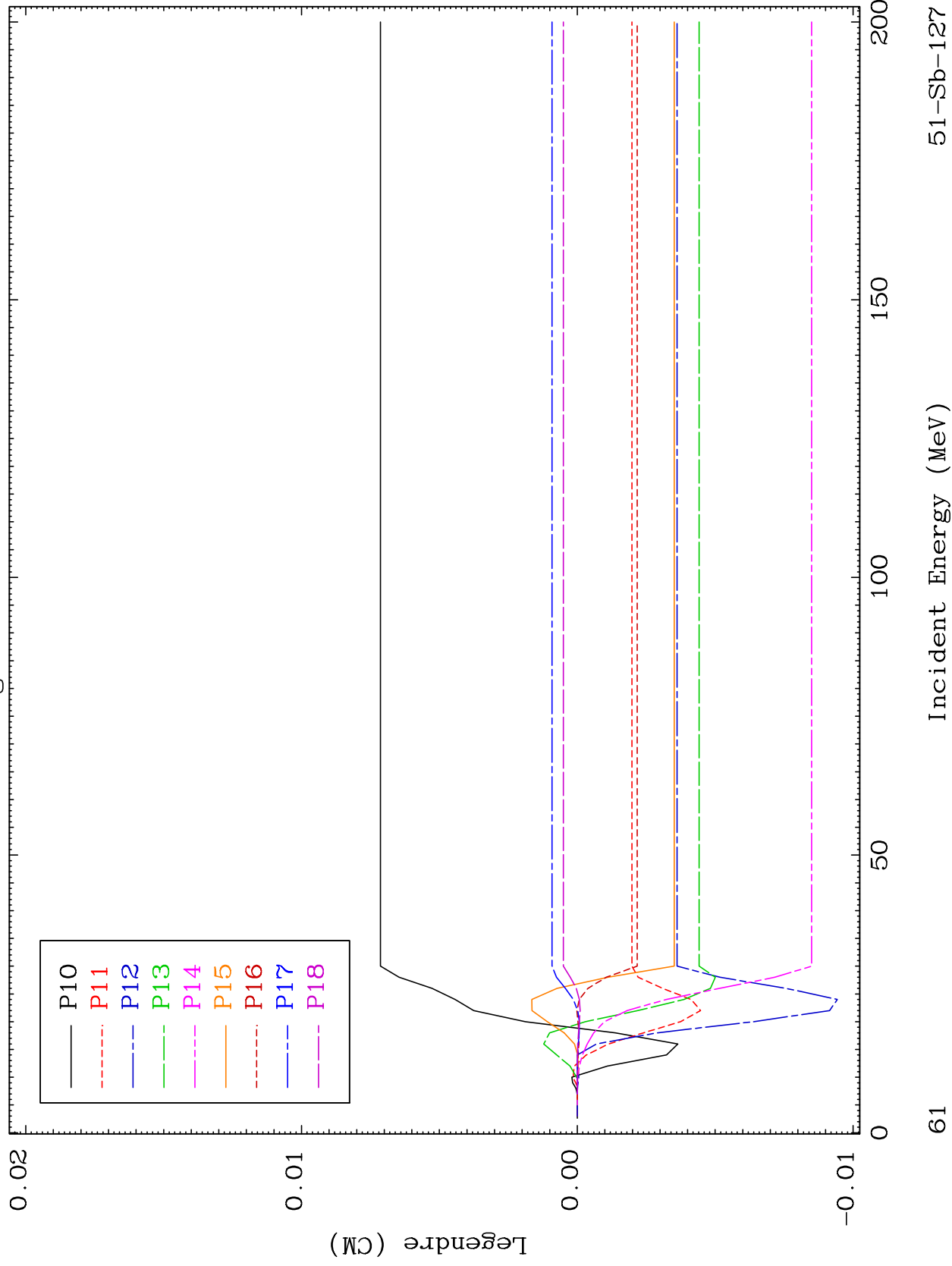
51-Sb-127



MAT 5143

1.701 MeV (n,n') Level  
Legendre Coefficients

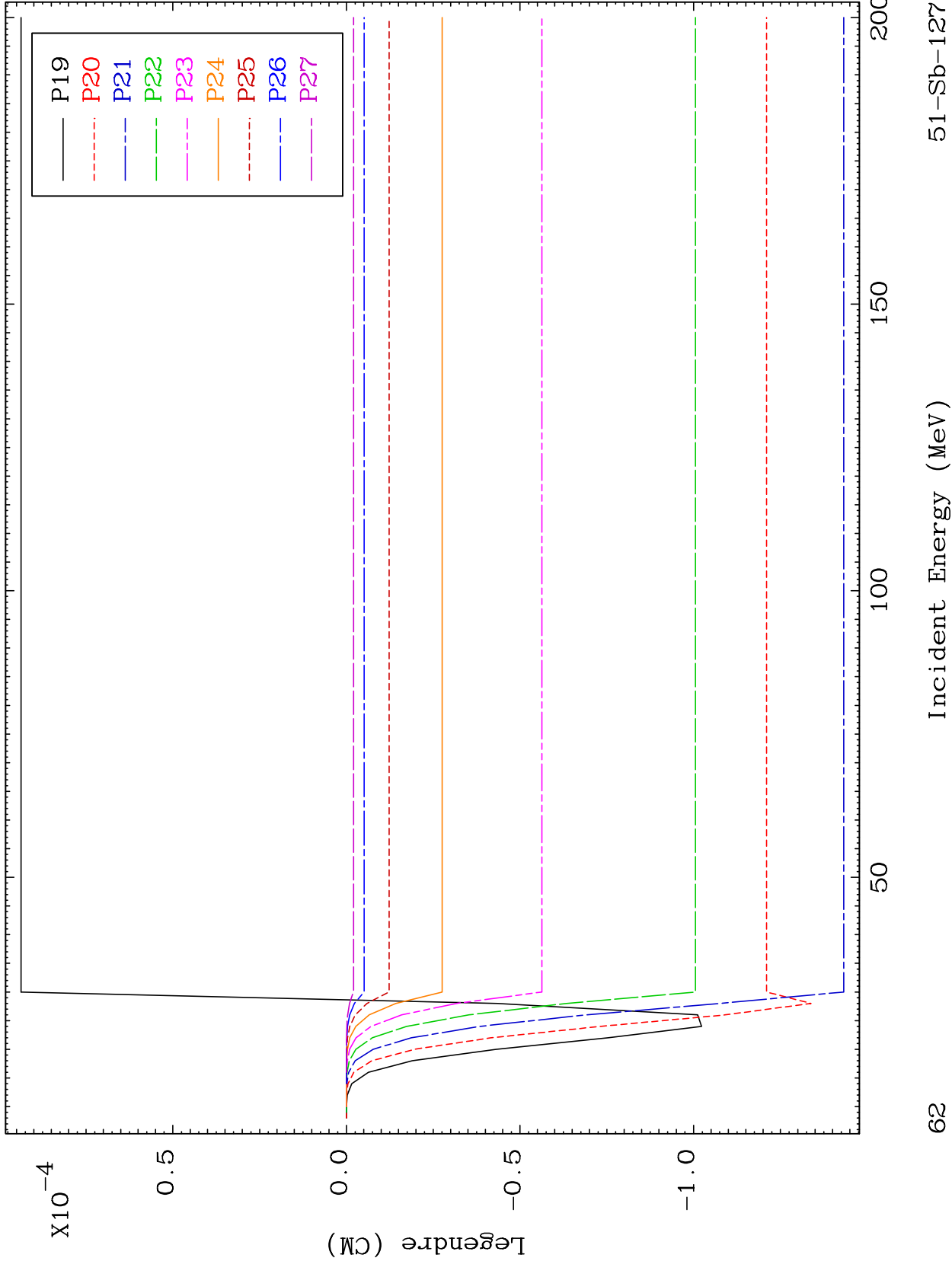
51-Sb-127

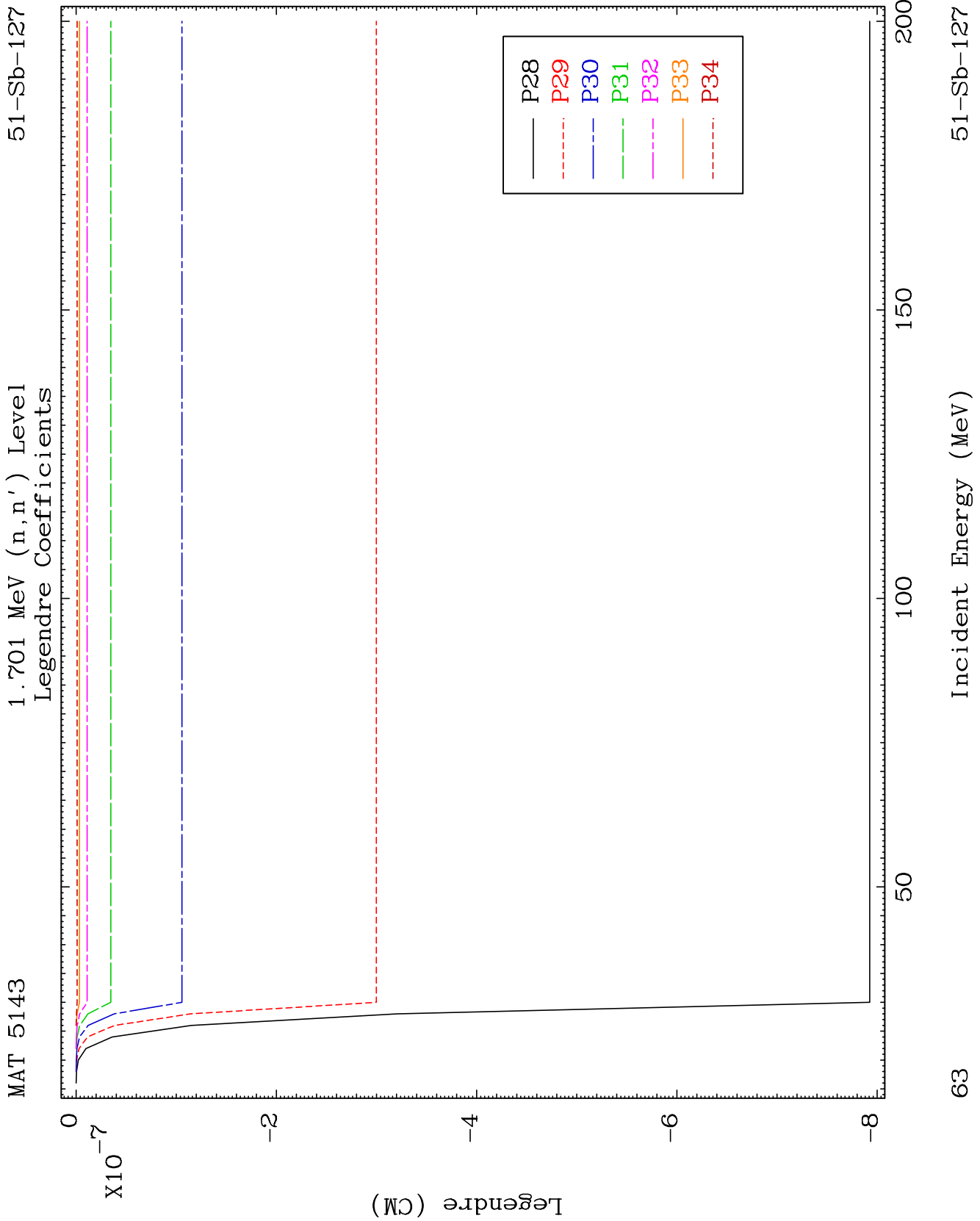


61

Incident Energy (MeV)

51-Sb-127



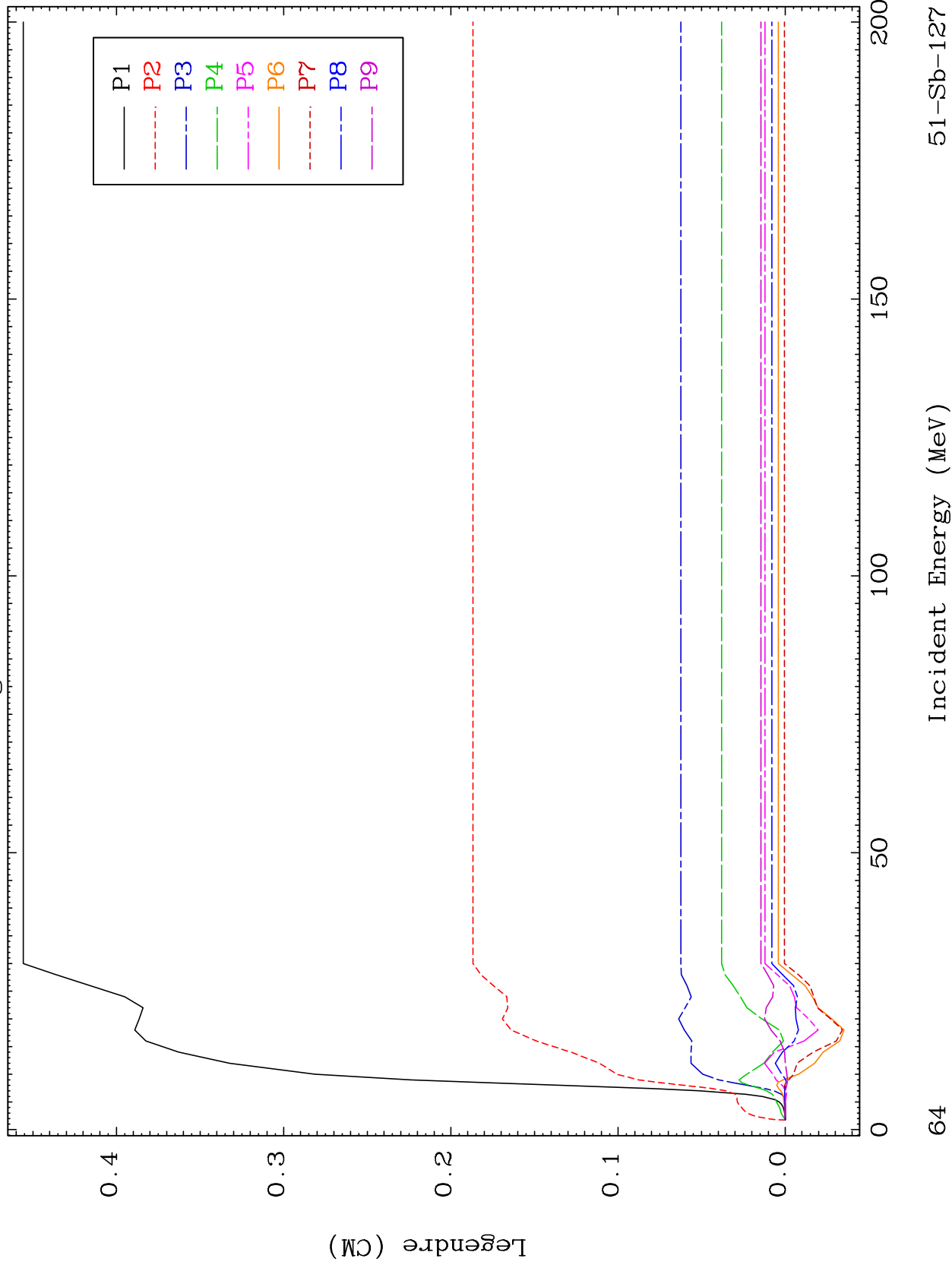




MAT 5143

1.712 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

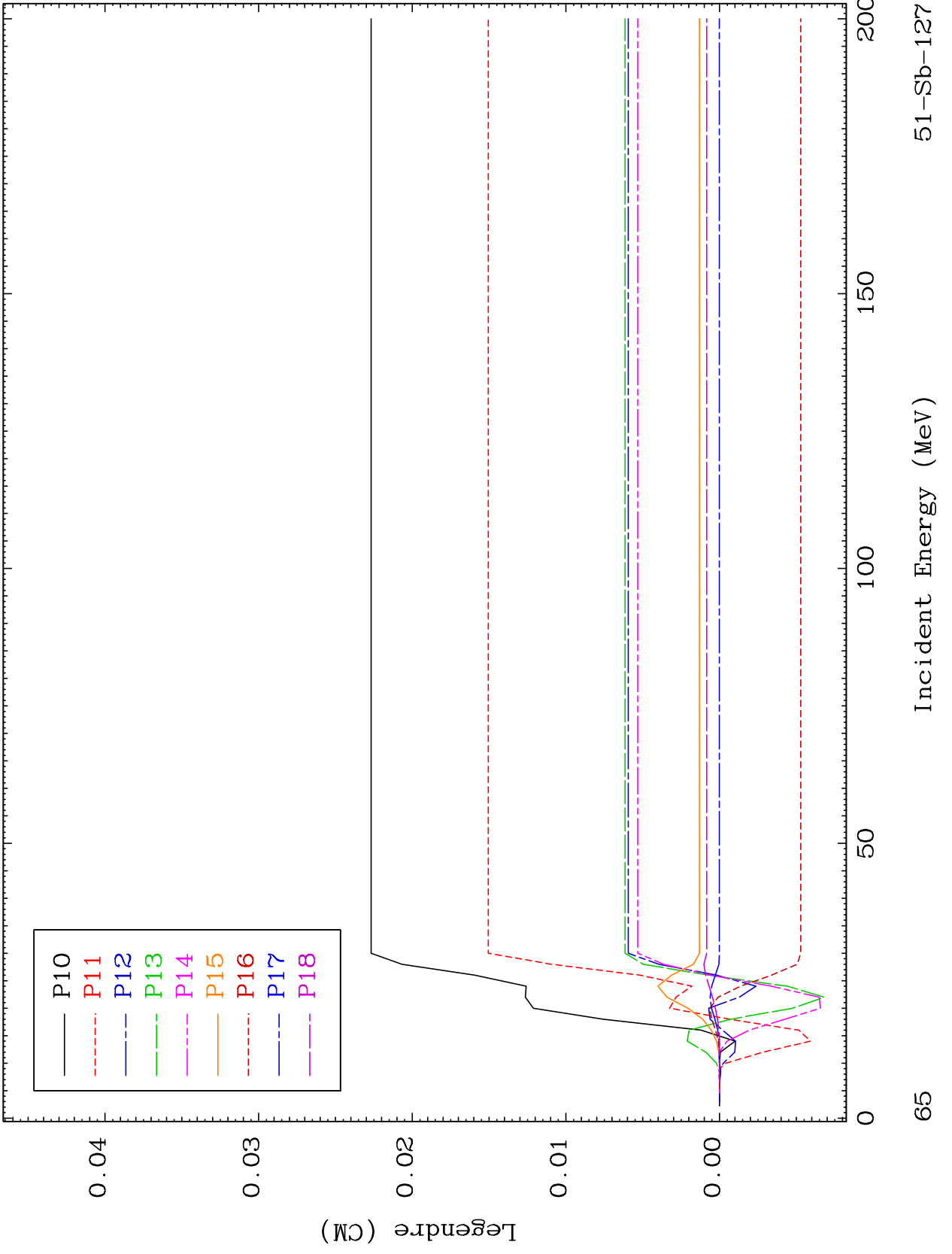
Incident Energy (MeV)

64

MAT 5143

1.712 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

Incident Energy (MeV)

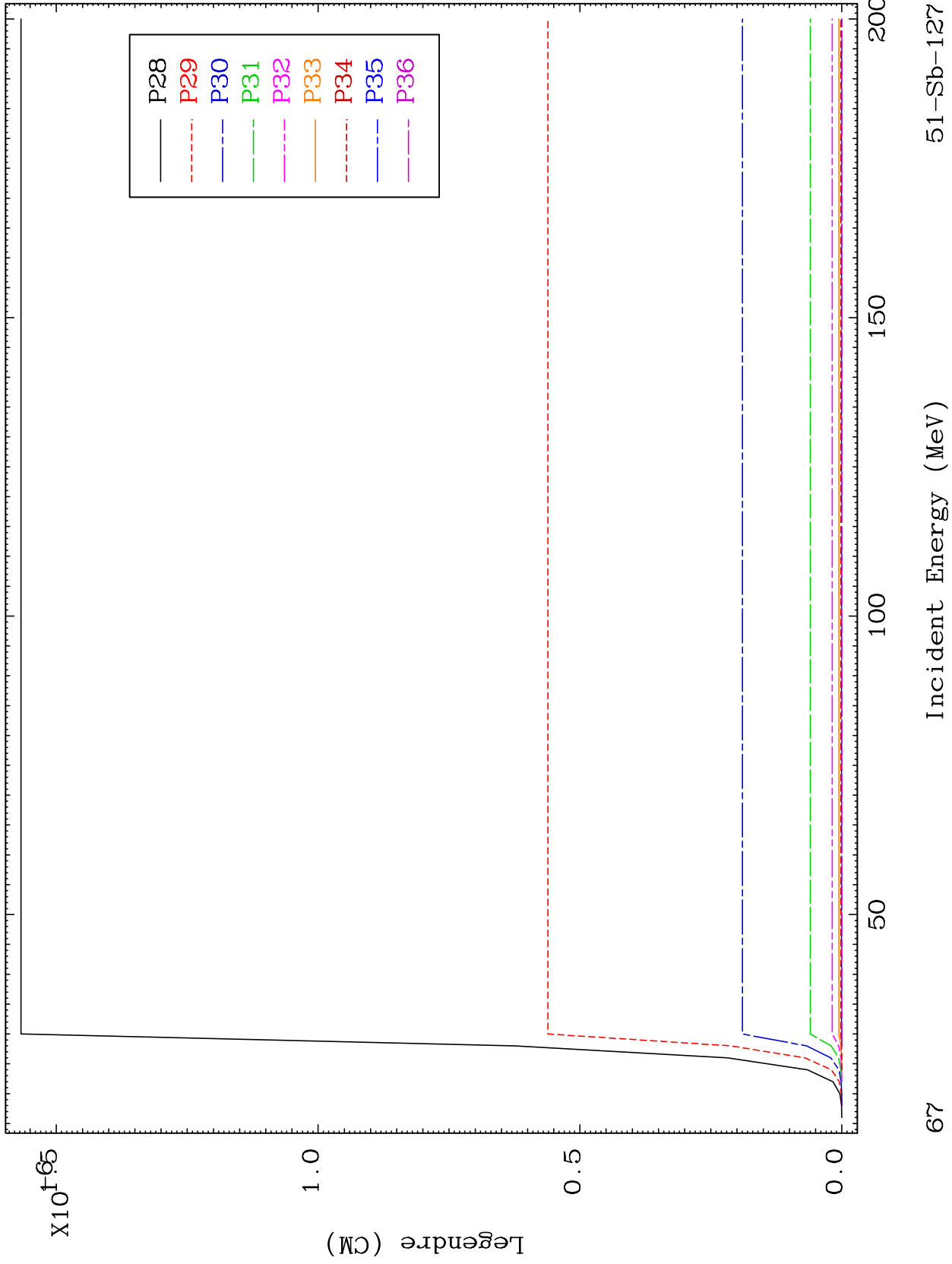
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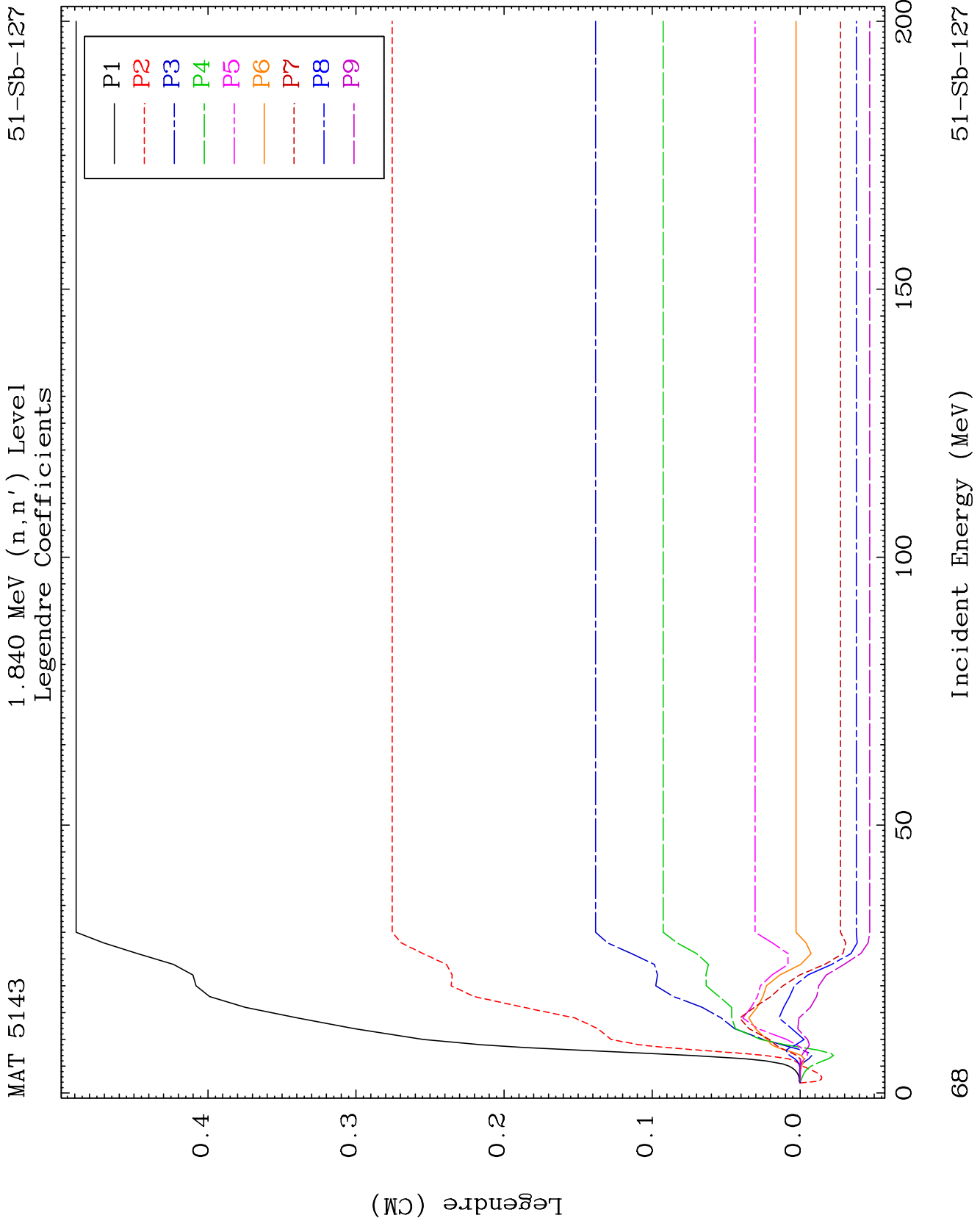


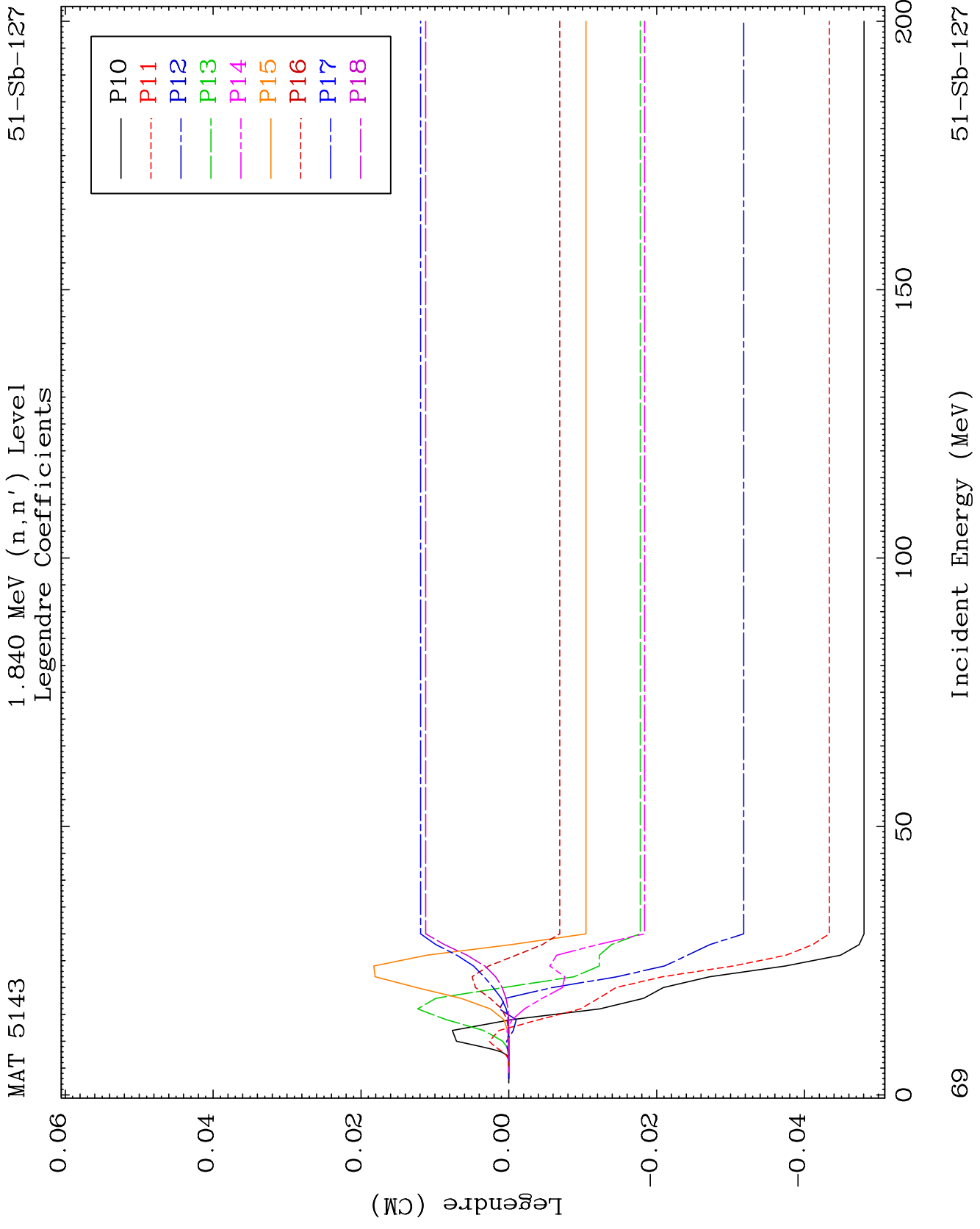
MAT 5143

1.712 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



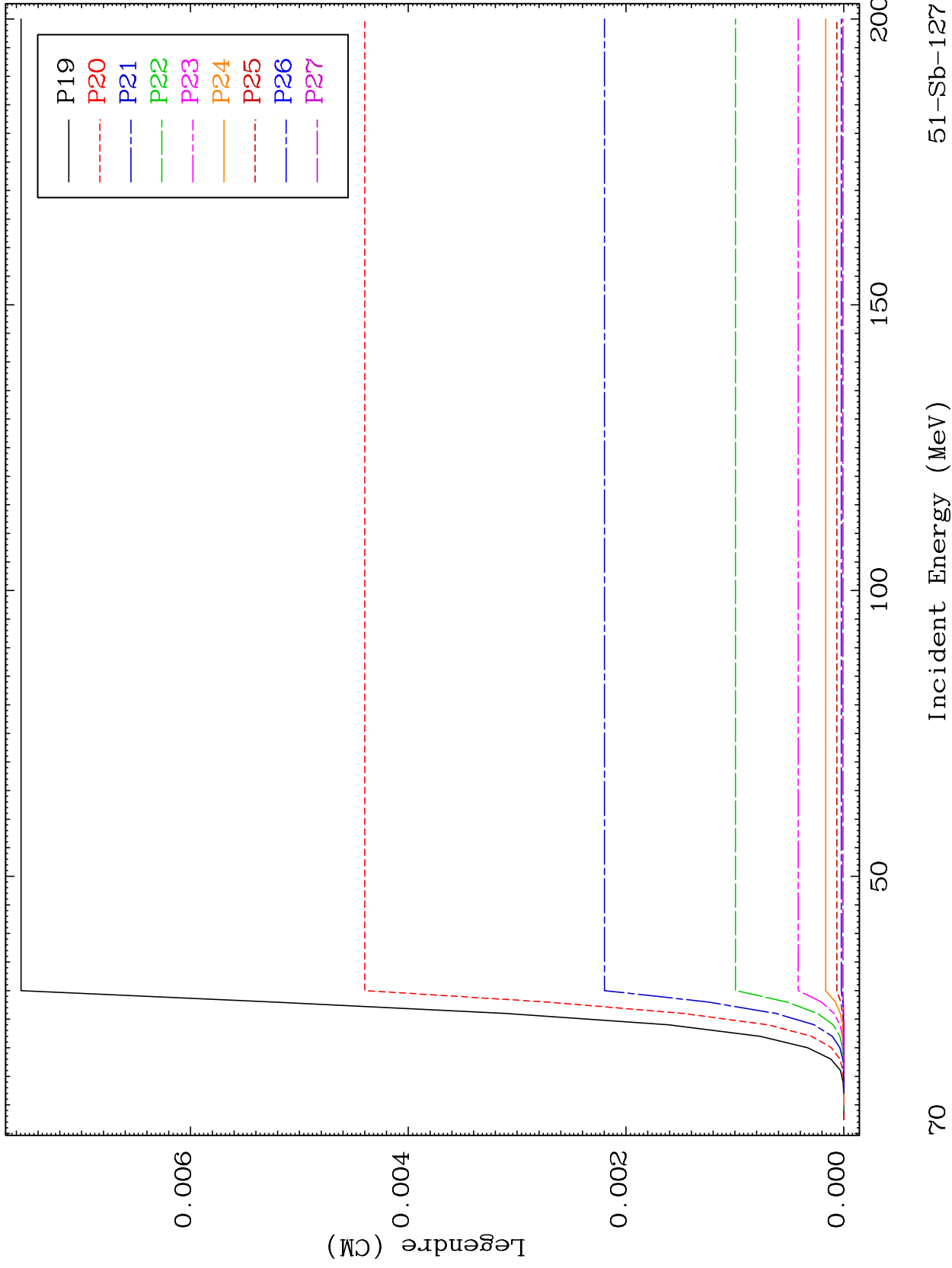




MAT 5143

1.840 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



70

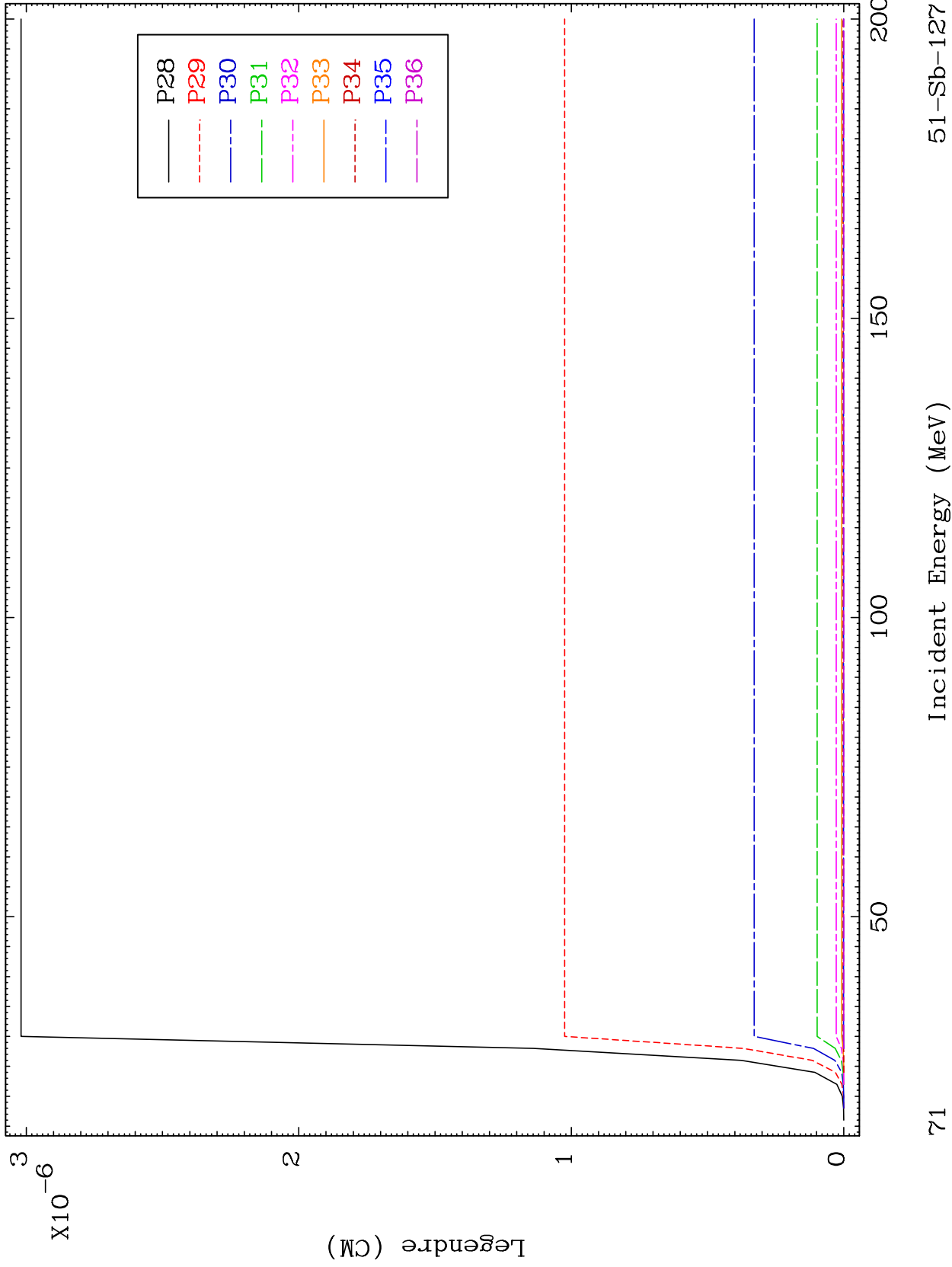
Incident Energy (MeV)

51-Sb-127

MAT 5143

1.840 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127

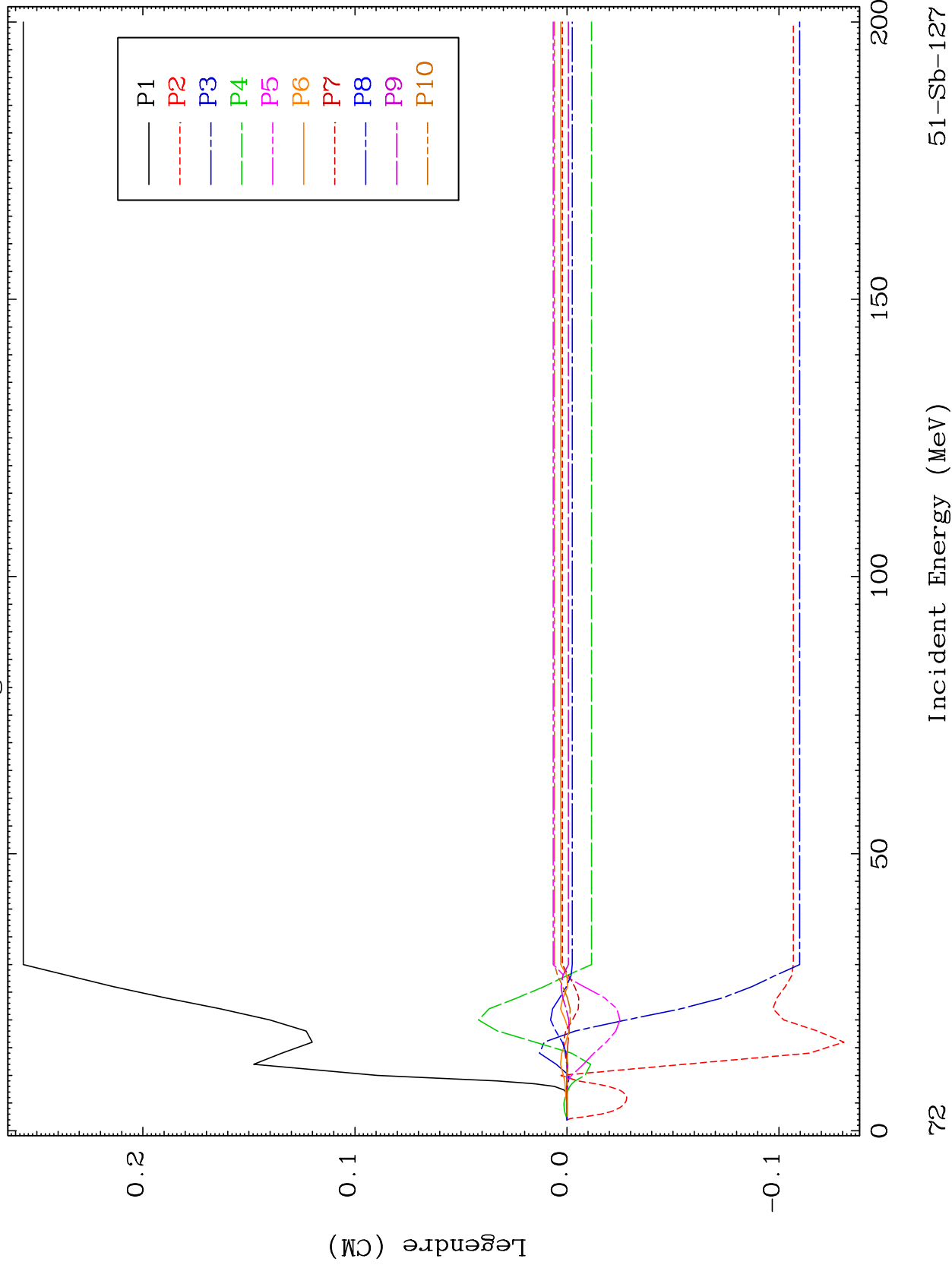




MAT 5143

1.920 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

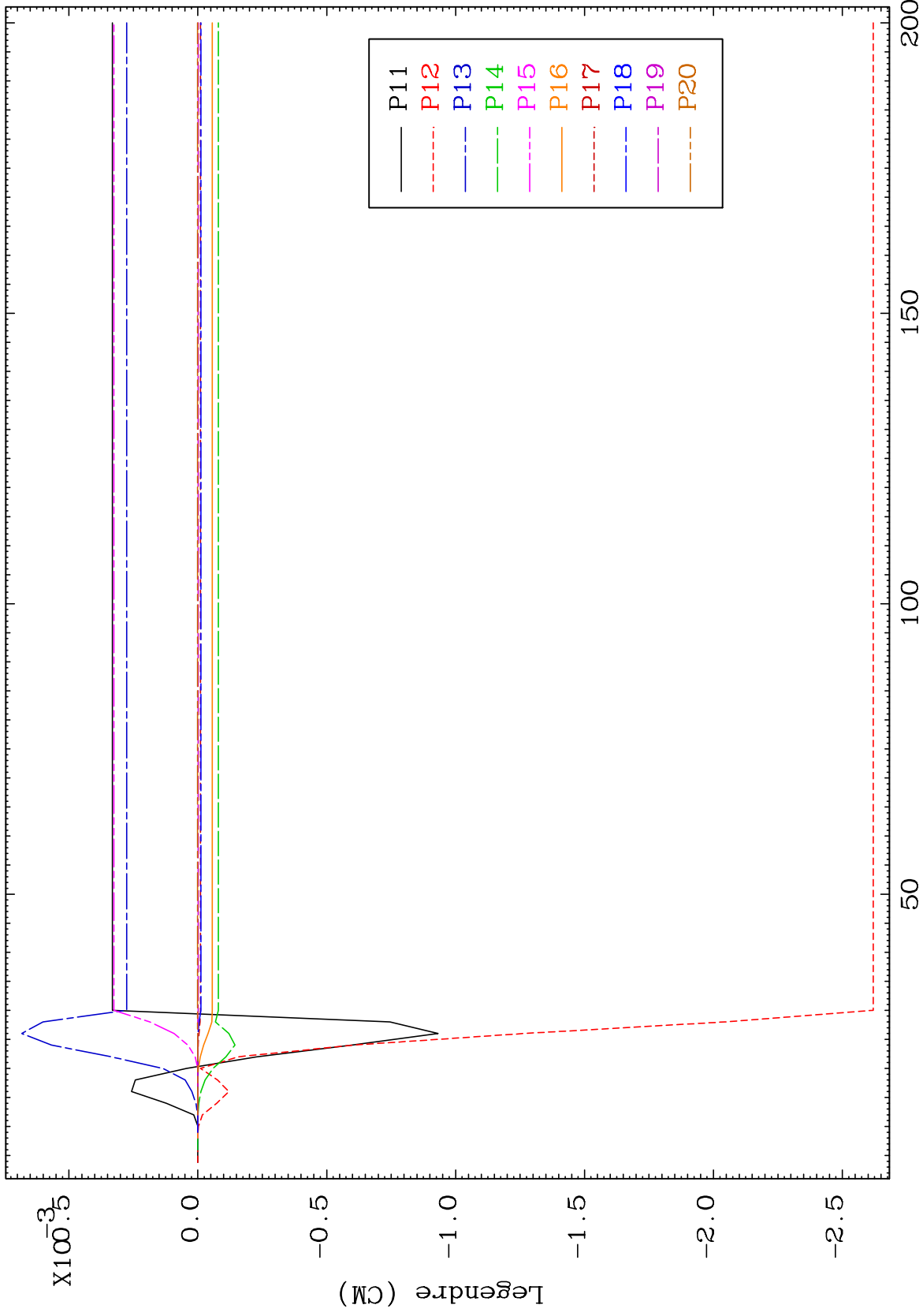
Incident Energy (MeV)

72

MAT 5143

1.920 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



73

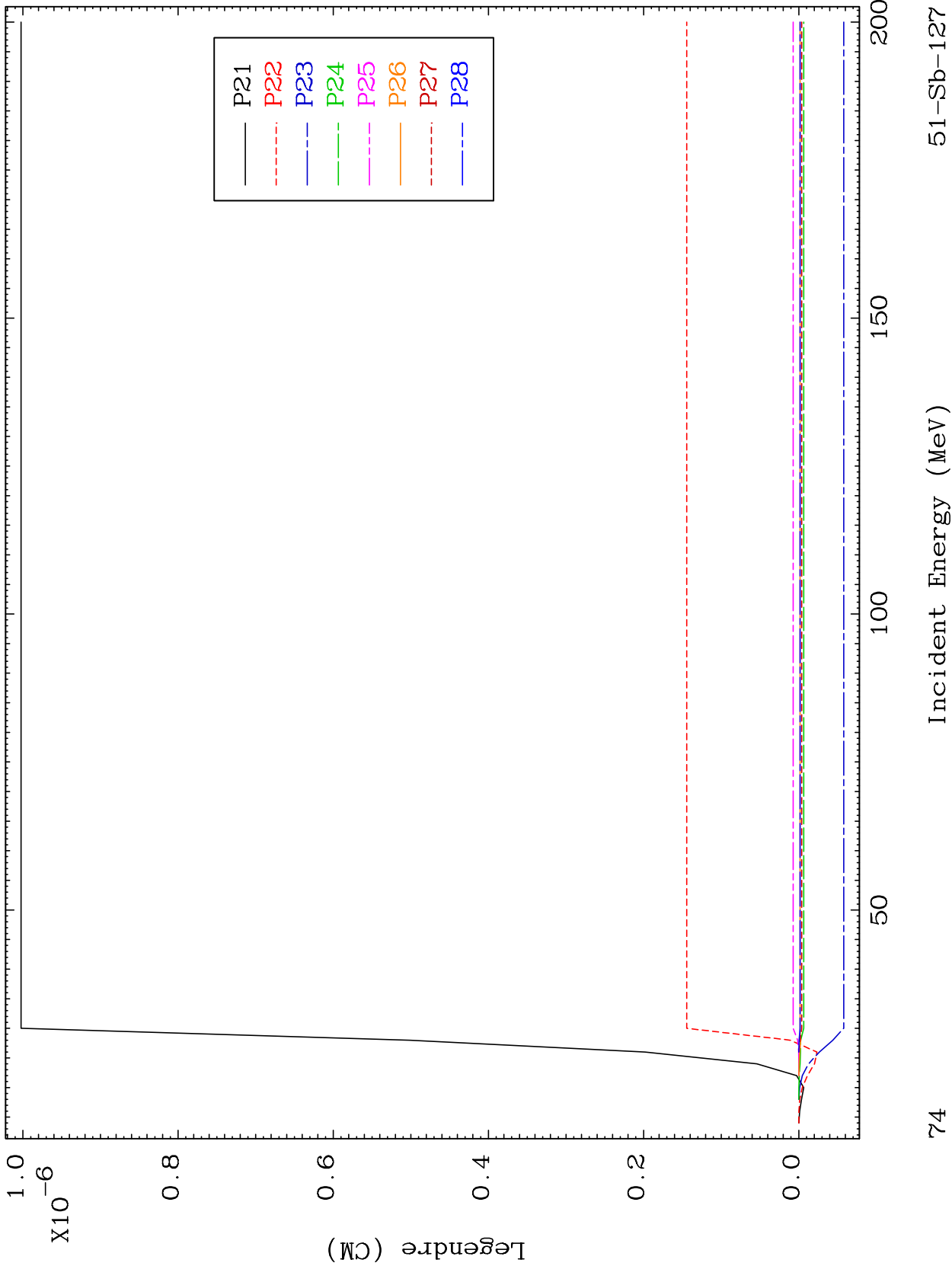
Incident Energy (MeV)

51-Sb-127

MAT 5143

1.920 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



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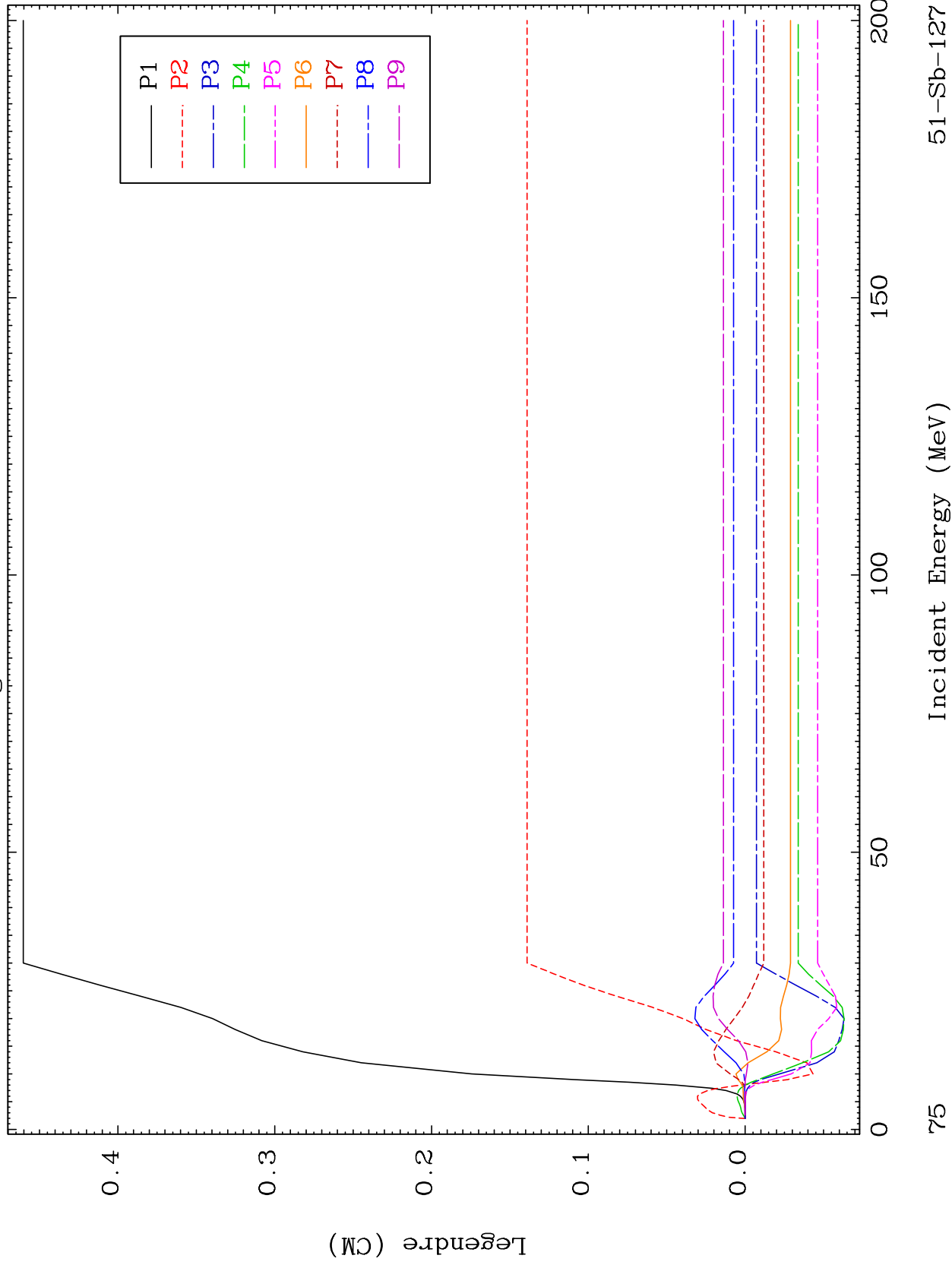
Incident Energy (MeV)

51-Sb-127

MAT 5143

1.937 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

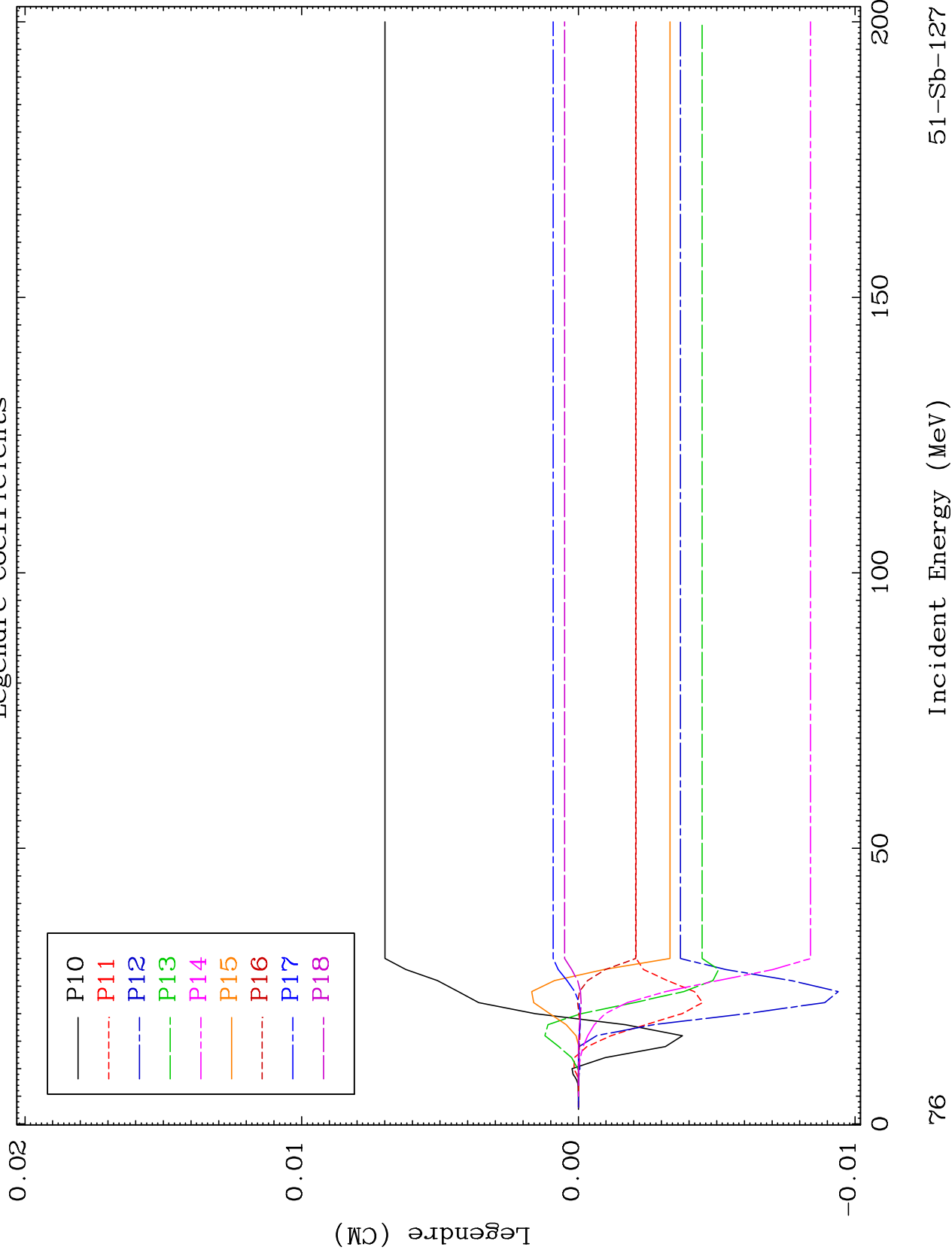
Incident Energy (MeV)

75

MAT 5143

1.937 MeV (n,n') Level  
Legendre Coefficients

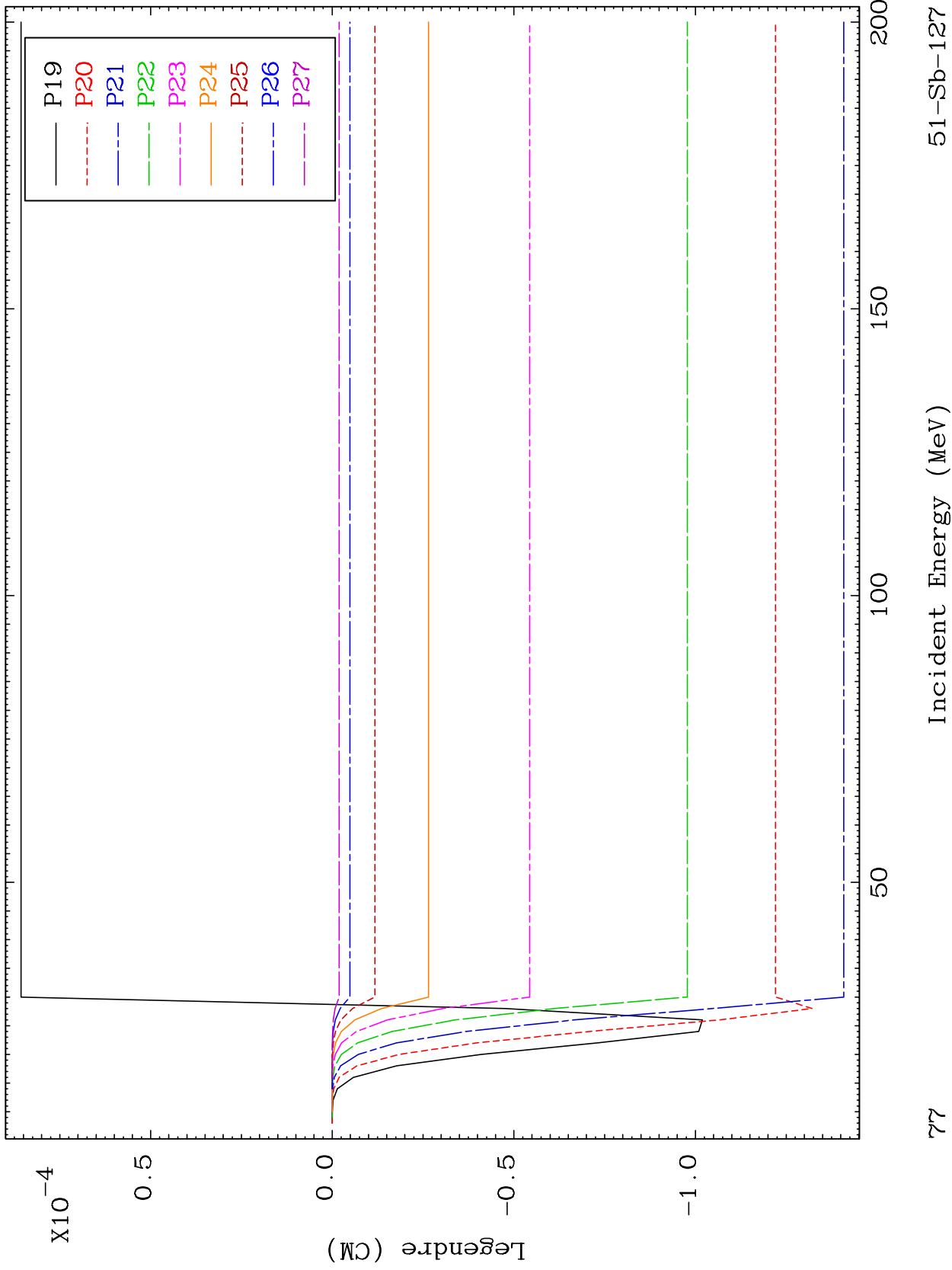
51-Sb-127

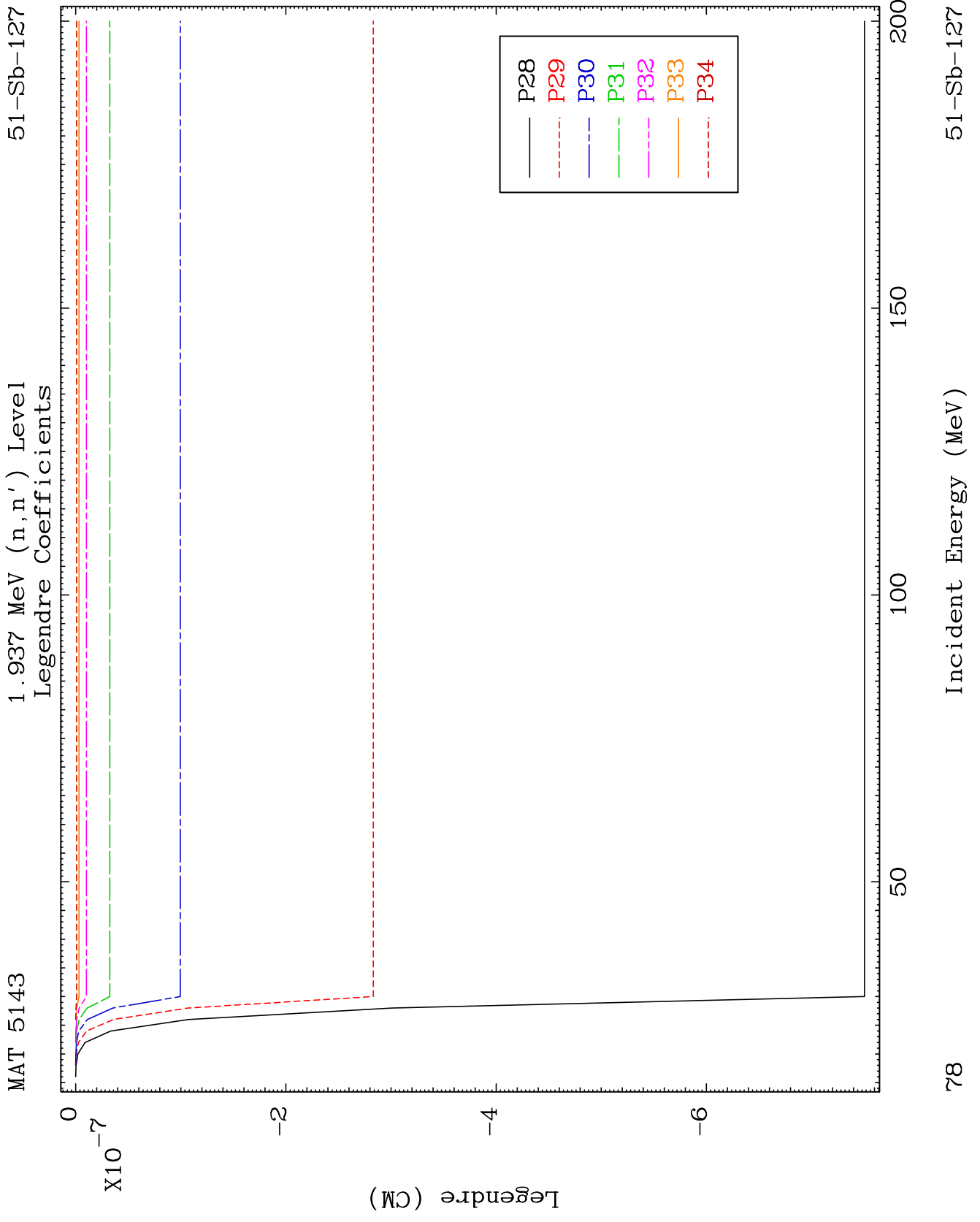


76

Incident Energy (MeV)

51-Sb-127

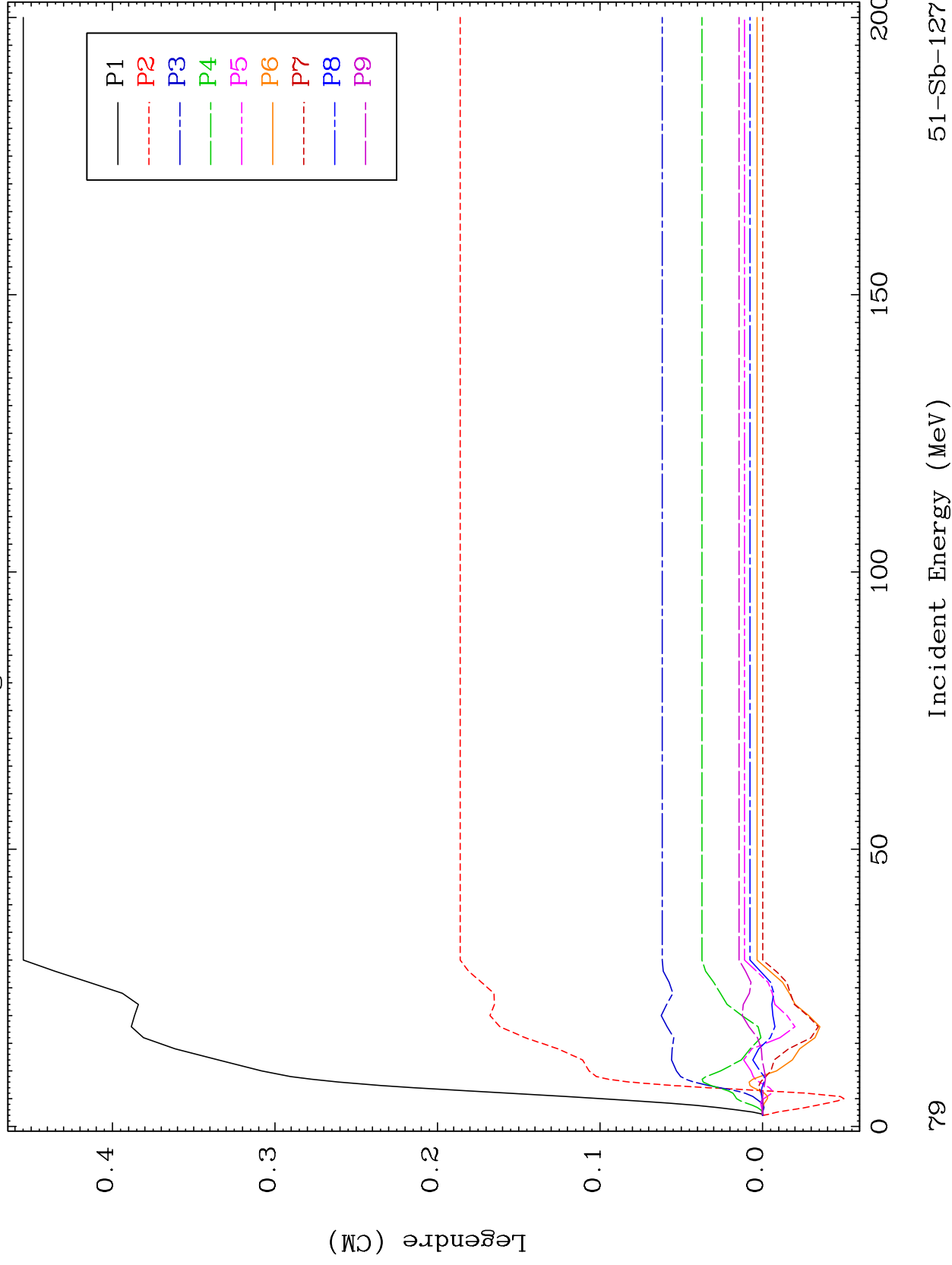




MAT 5143

1.947 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

Incident Energy (MeV)

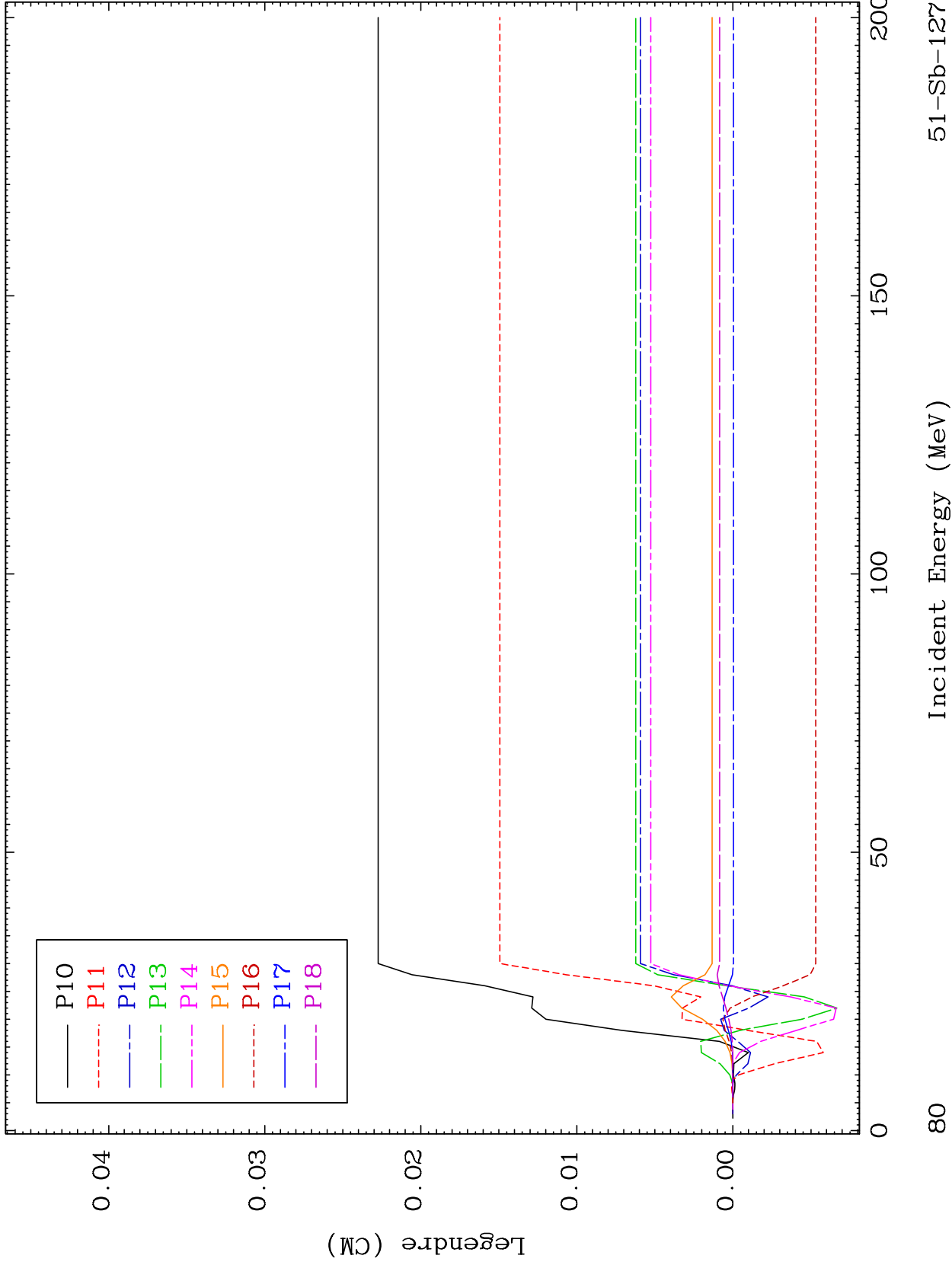
79



MAT 5143

1.947 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



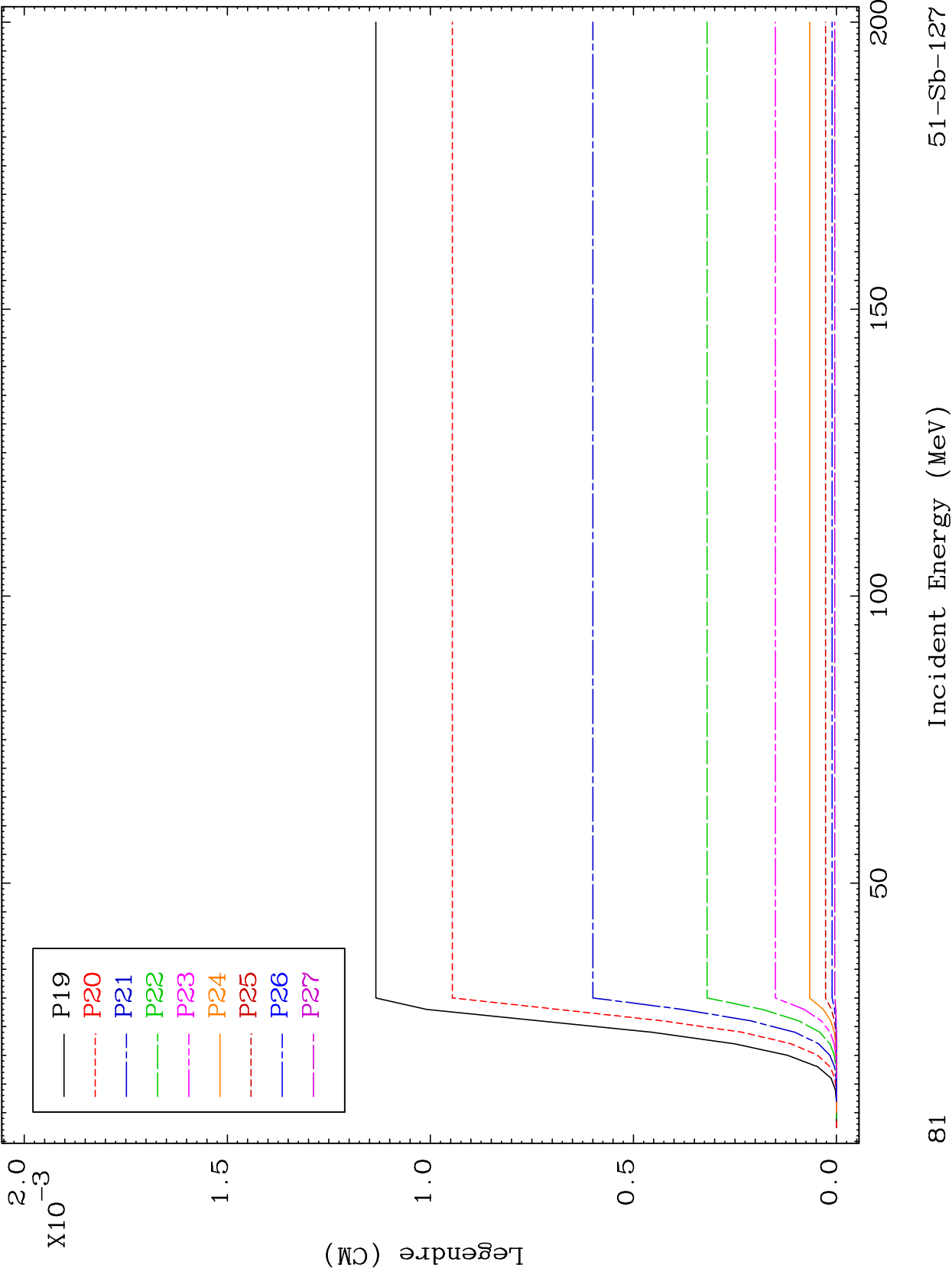
51-Sb-127

Incident Energy (MeV)

MAT 5143

1.947 MeV (n, n') Level  
Legendre Coefficients

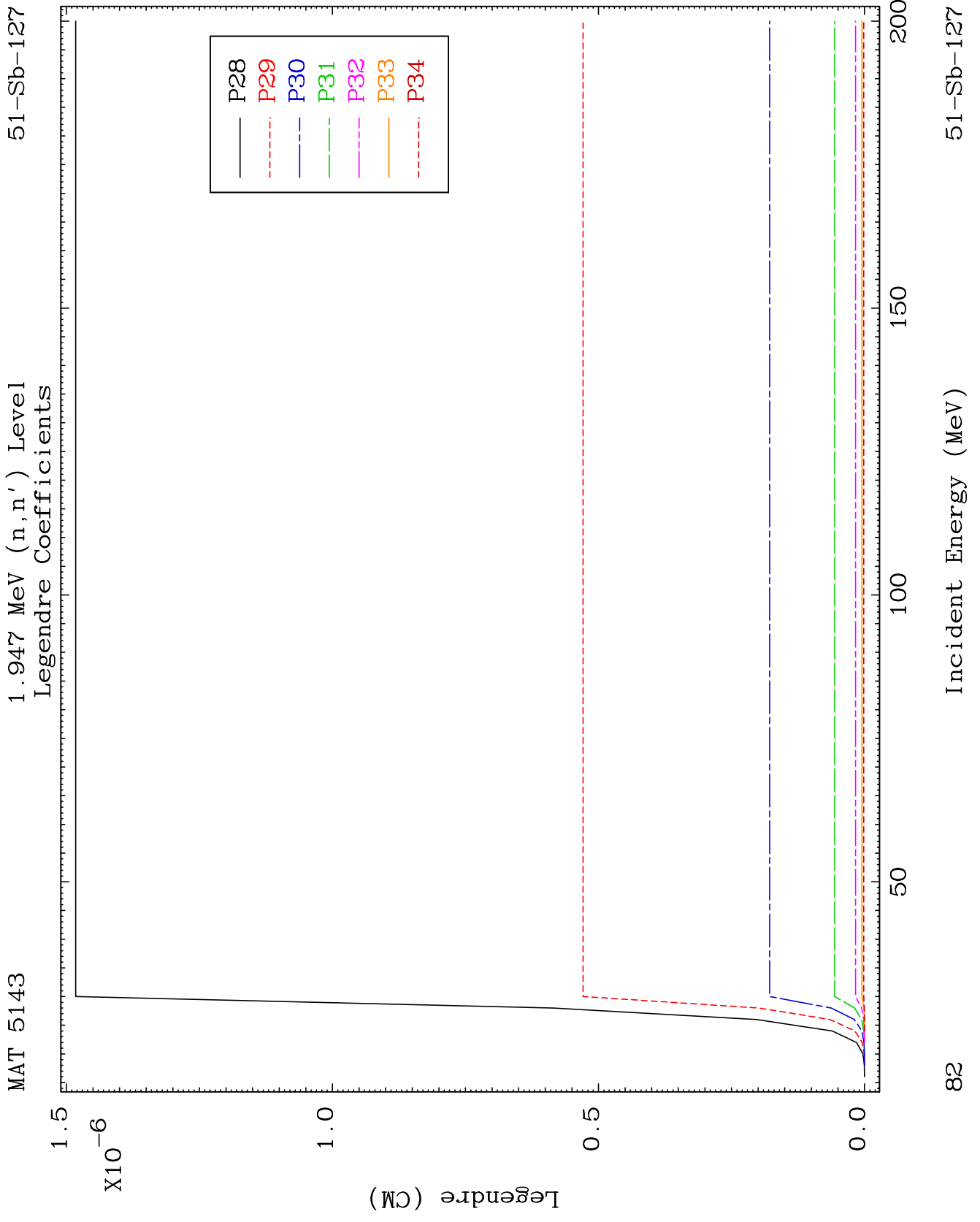
51-Sb-127



81

Incident Energy (MeV)

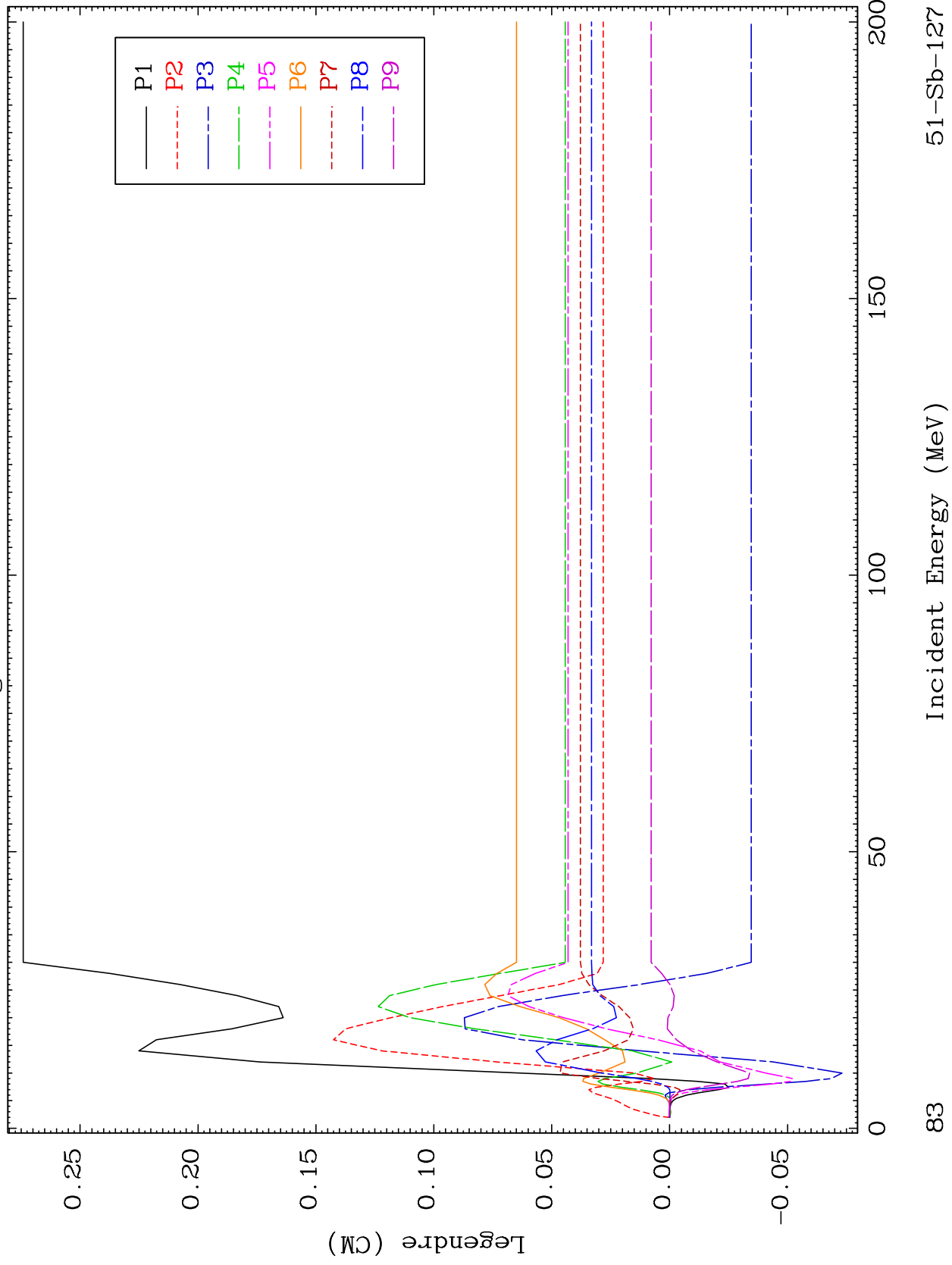
51-Sb-127



MAT 5143

1.955 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

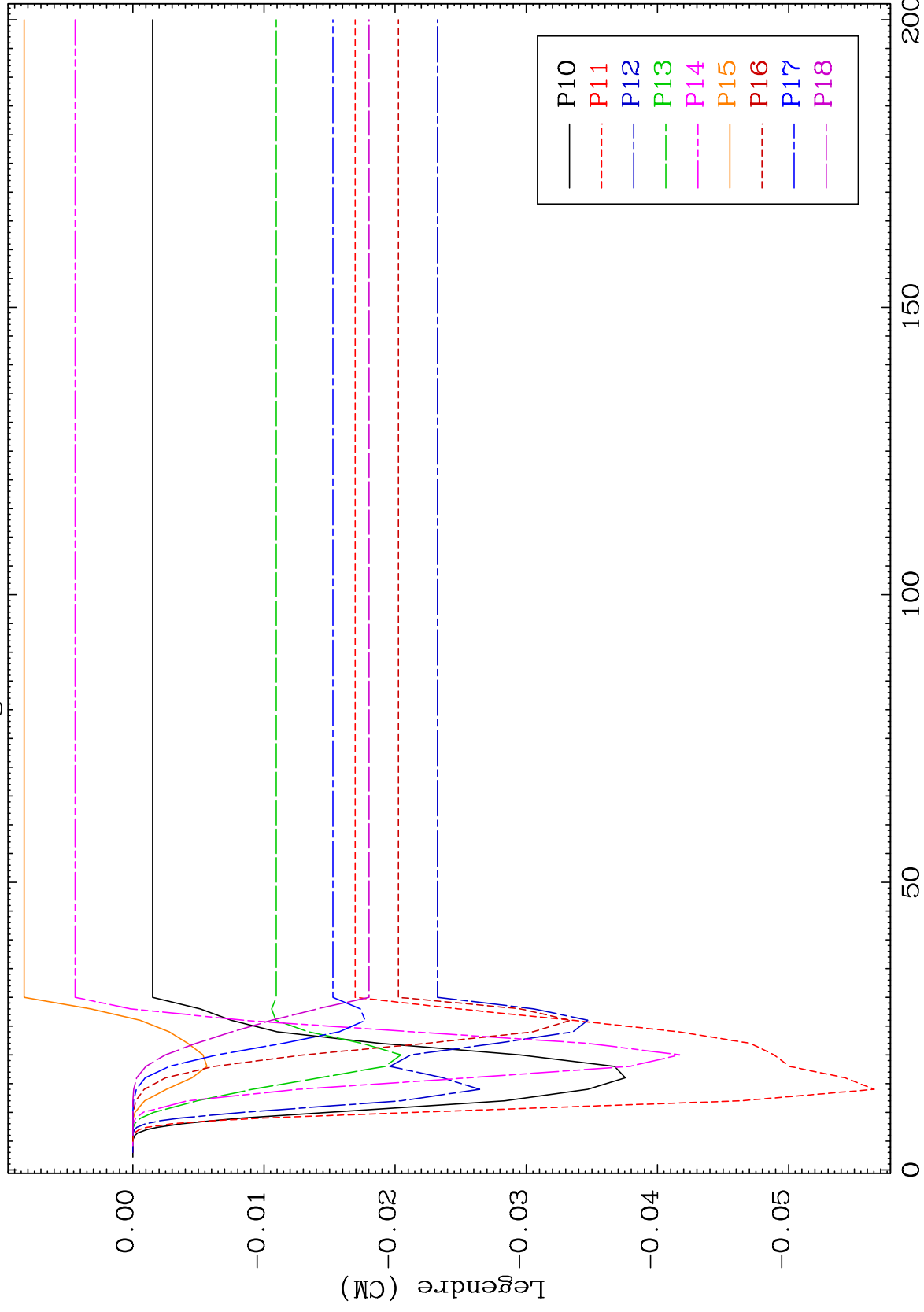
Incident Energy (MeV)

83

MAT 5143

1.955 MeV (n,n') Level  
Legendre Coefficients

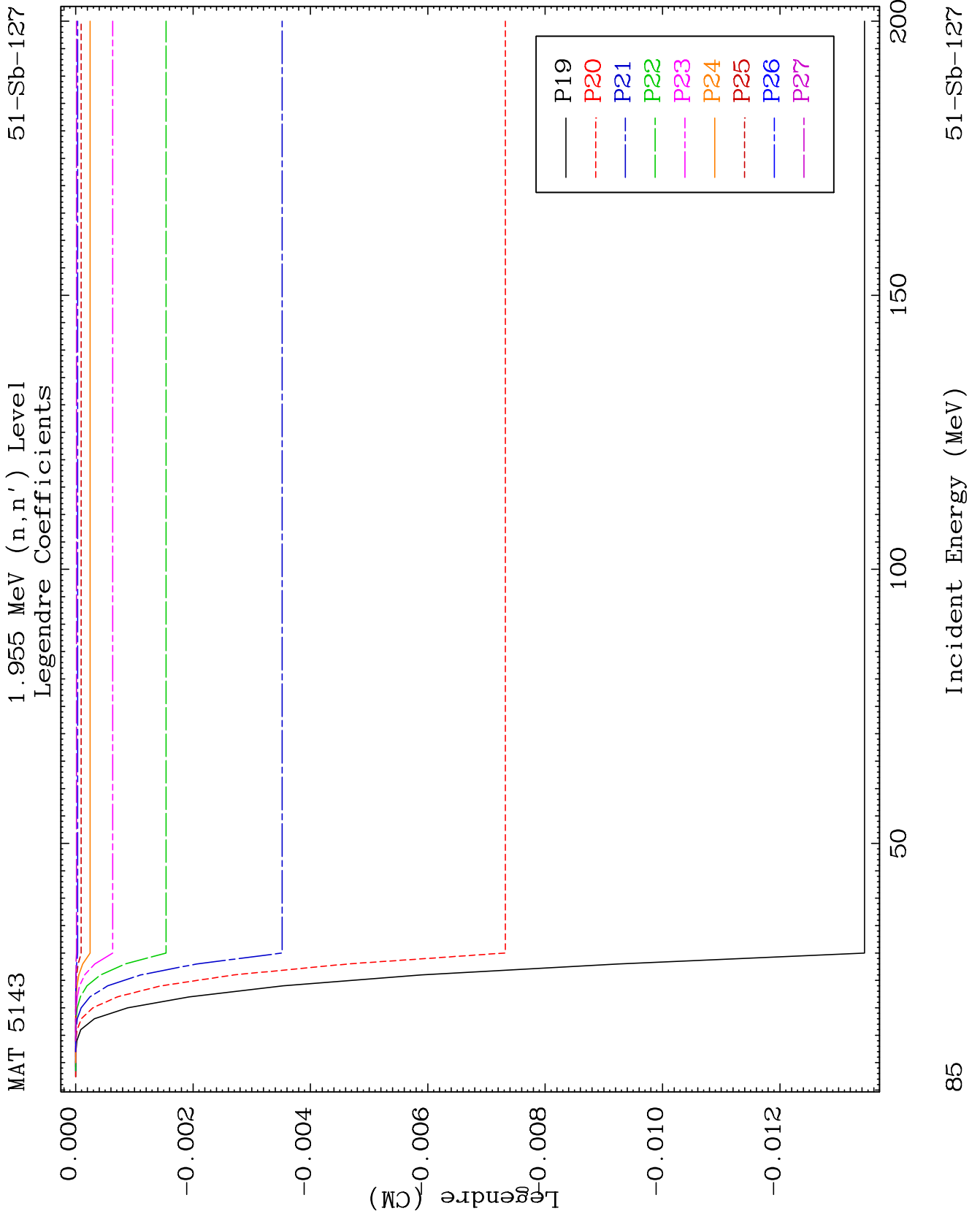
51-Sb-127

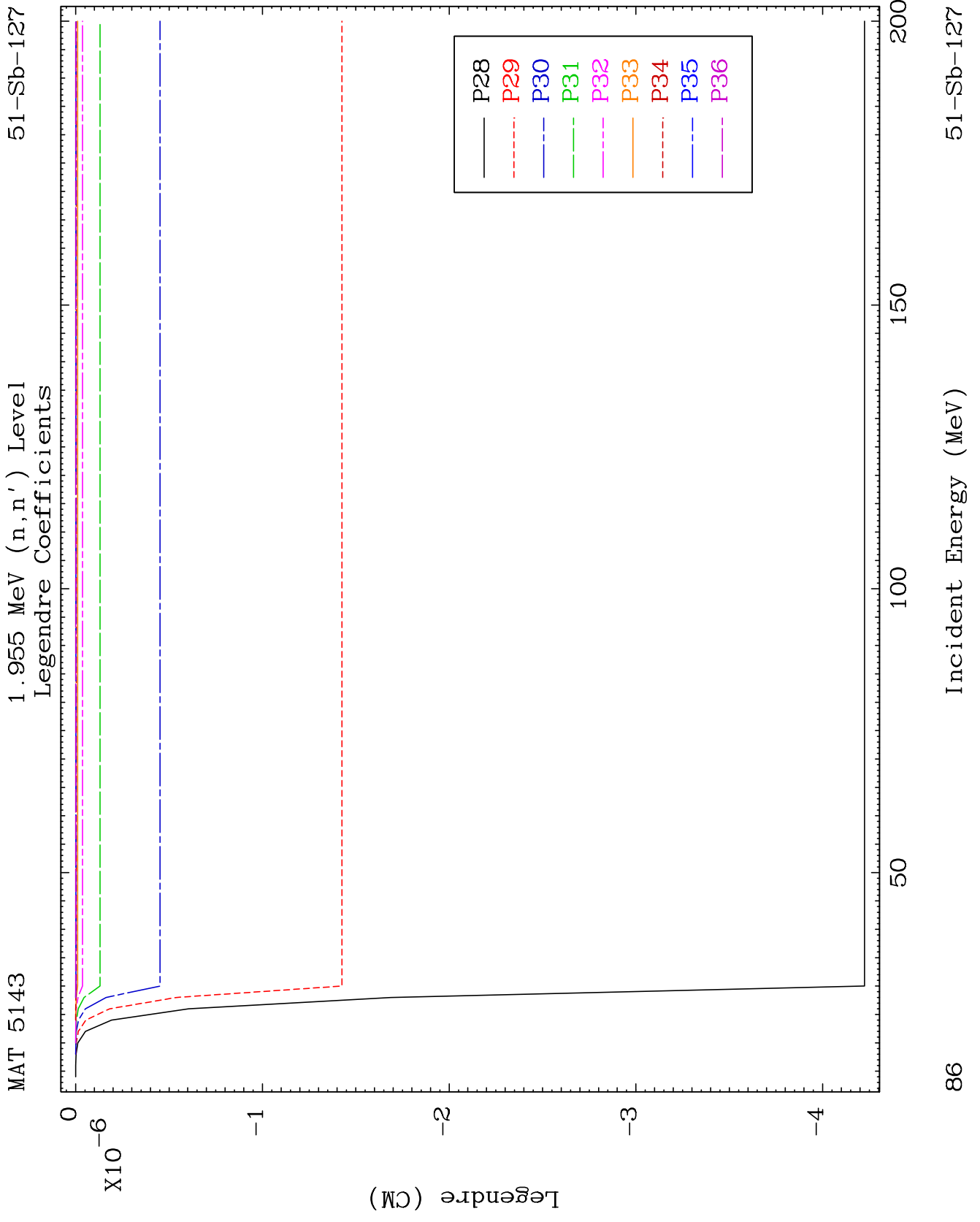


84

Incident Energy (MeV)

51-Sb-127

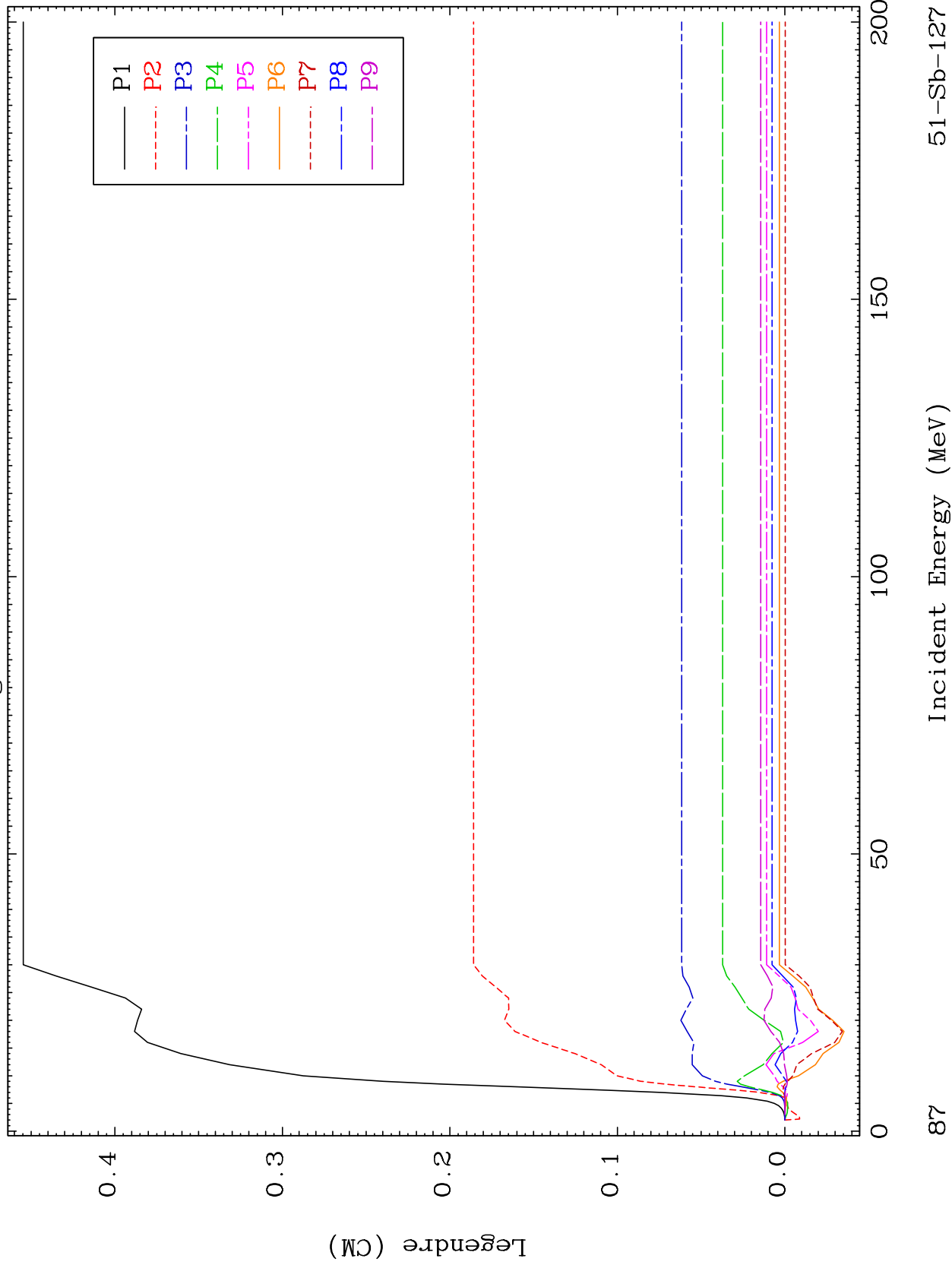




MAT 5143

1.990 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127

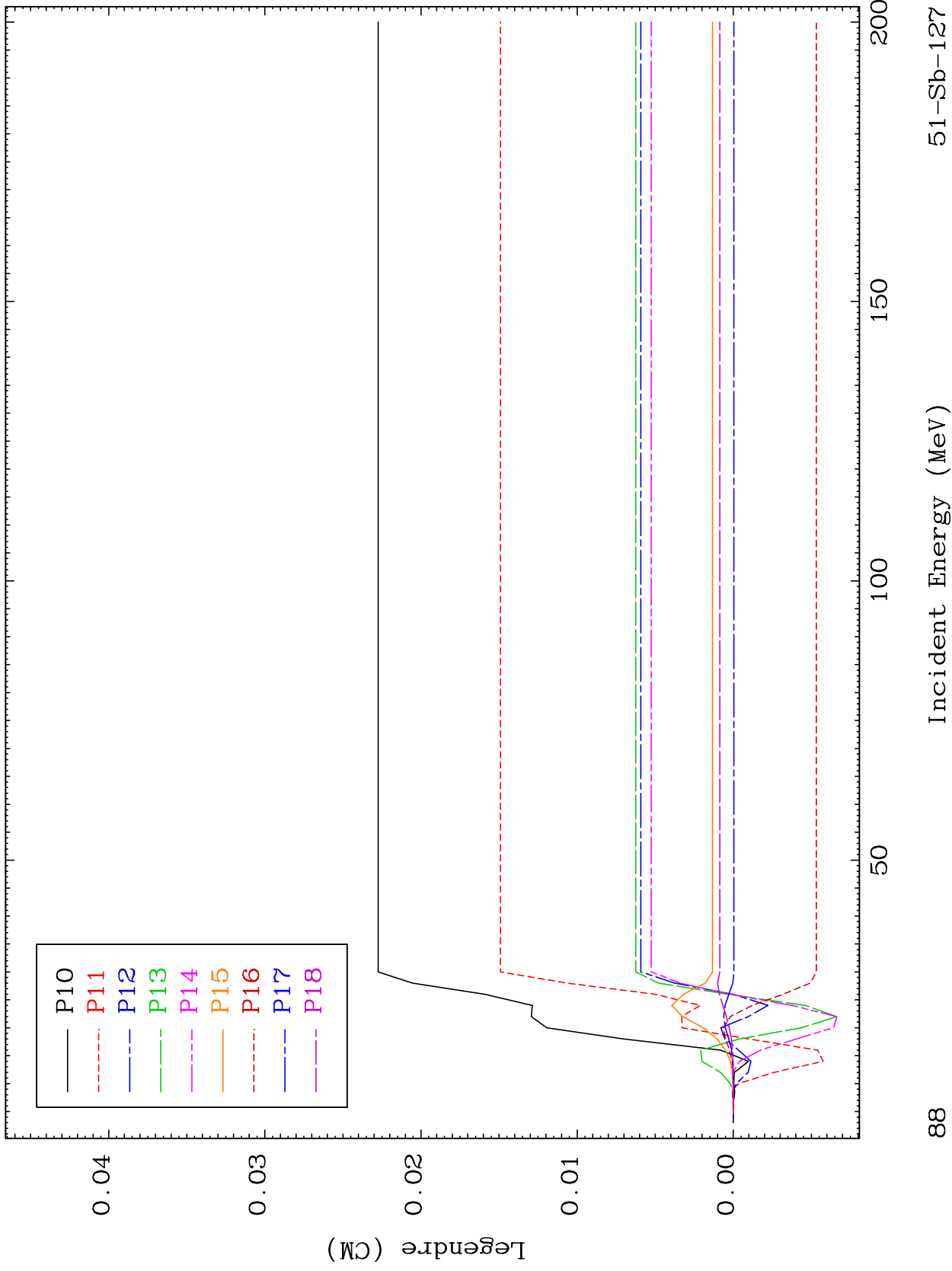


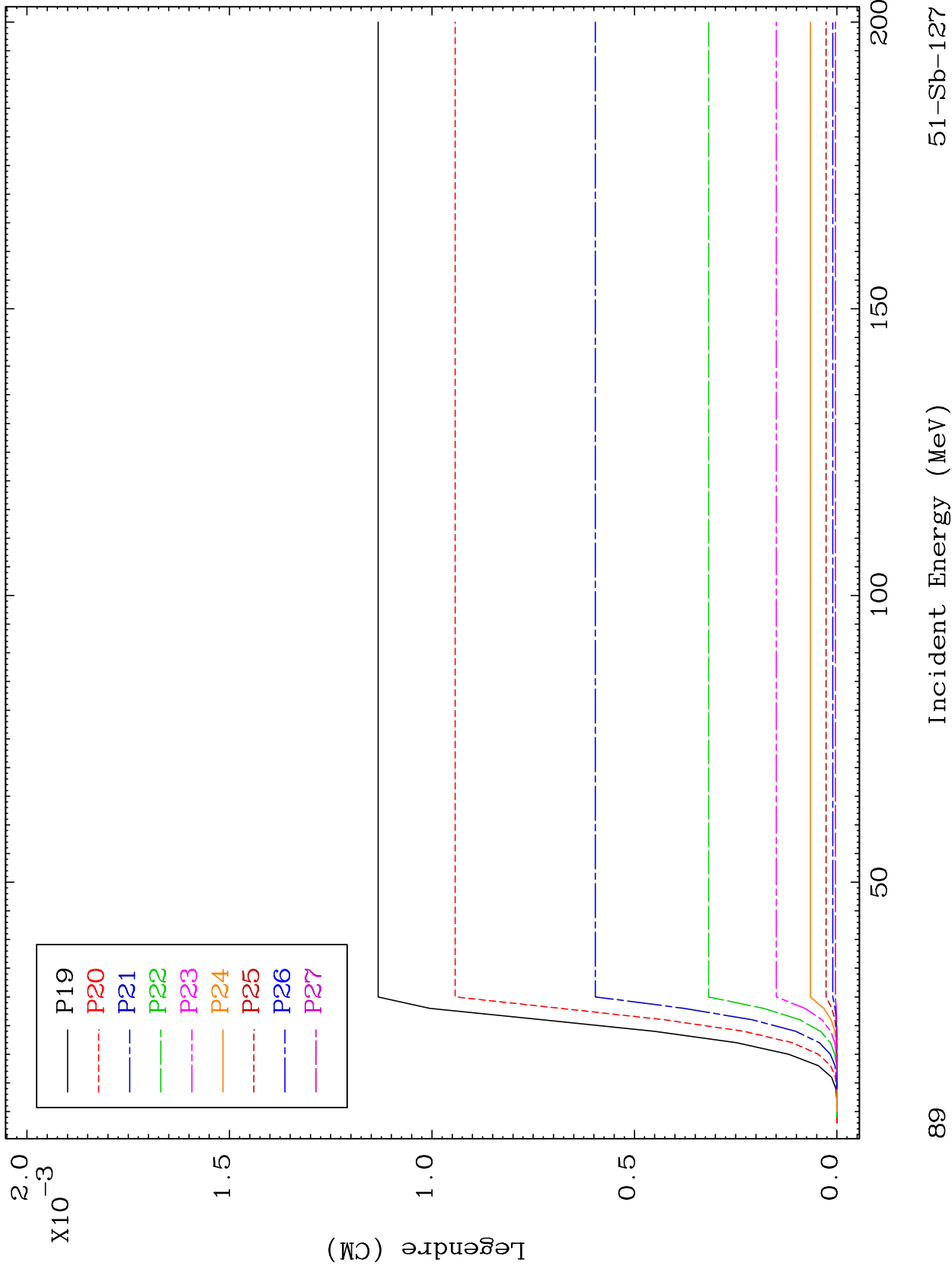
51-Sb-127

Incident Energy (MeV)

87



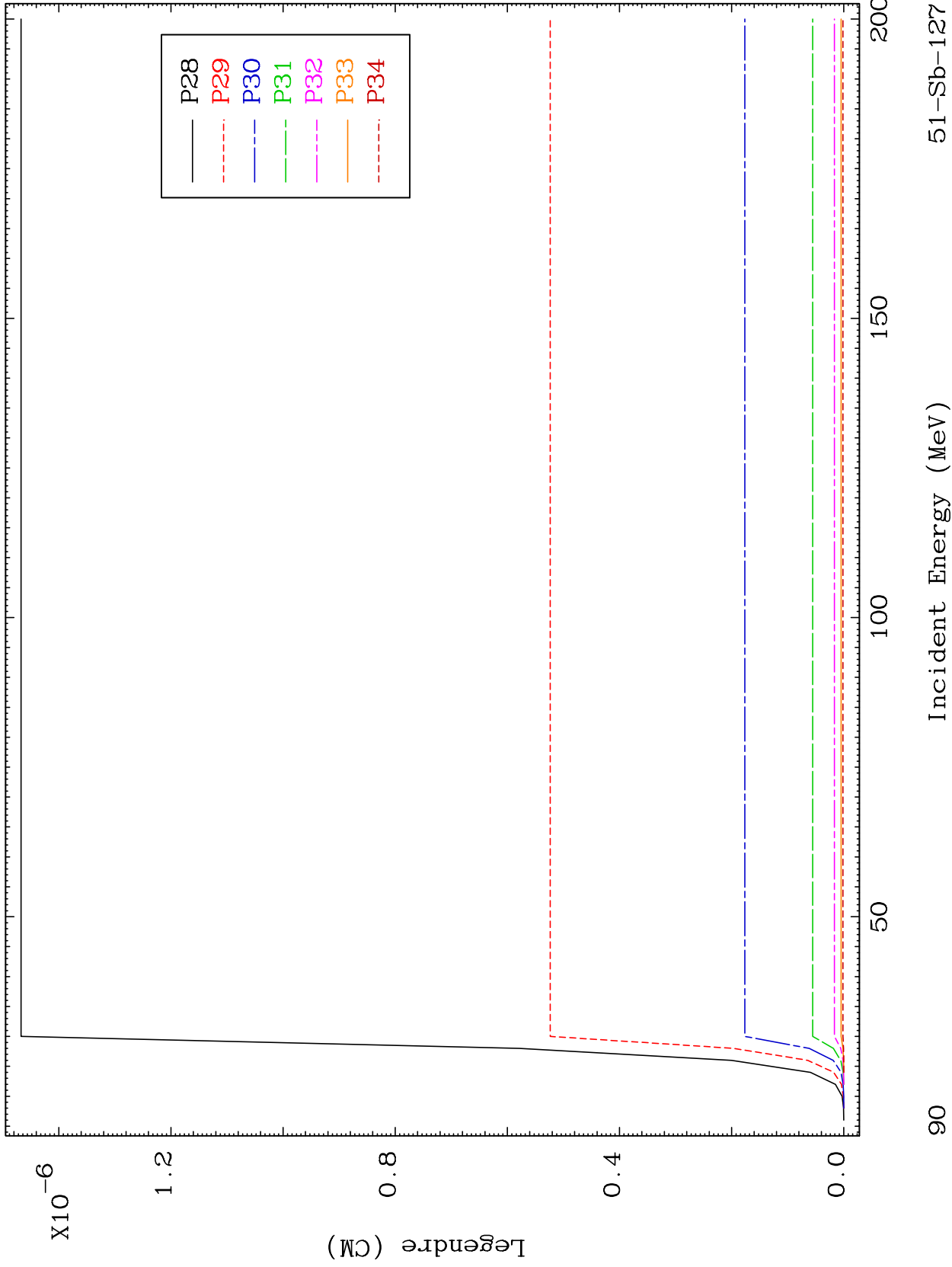




MAT 5143

1.990 MeV (n,n') Level  
Legendre Coefficients

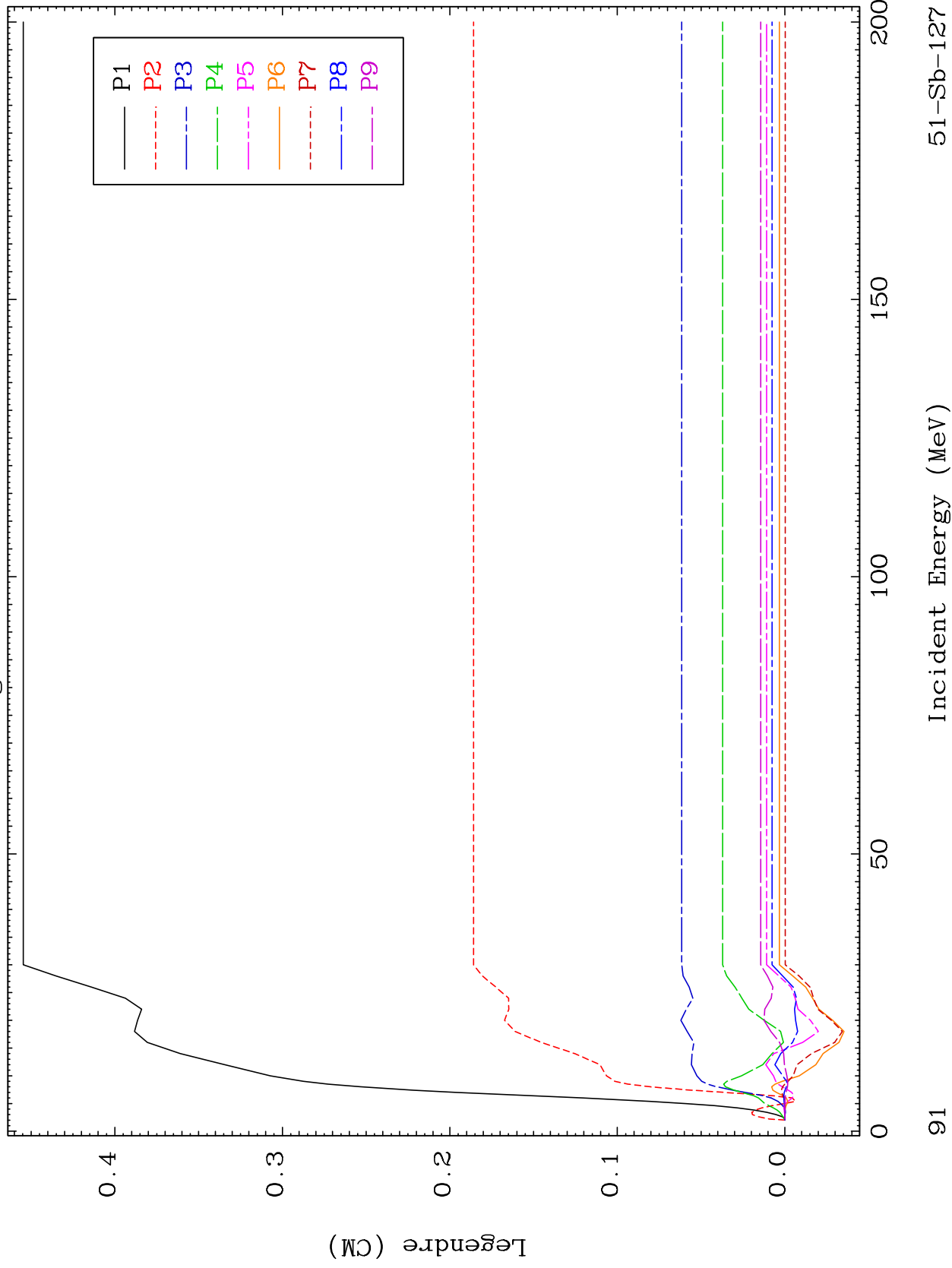
51-Sb-127



MAT 5143

1.994 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

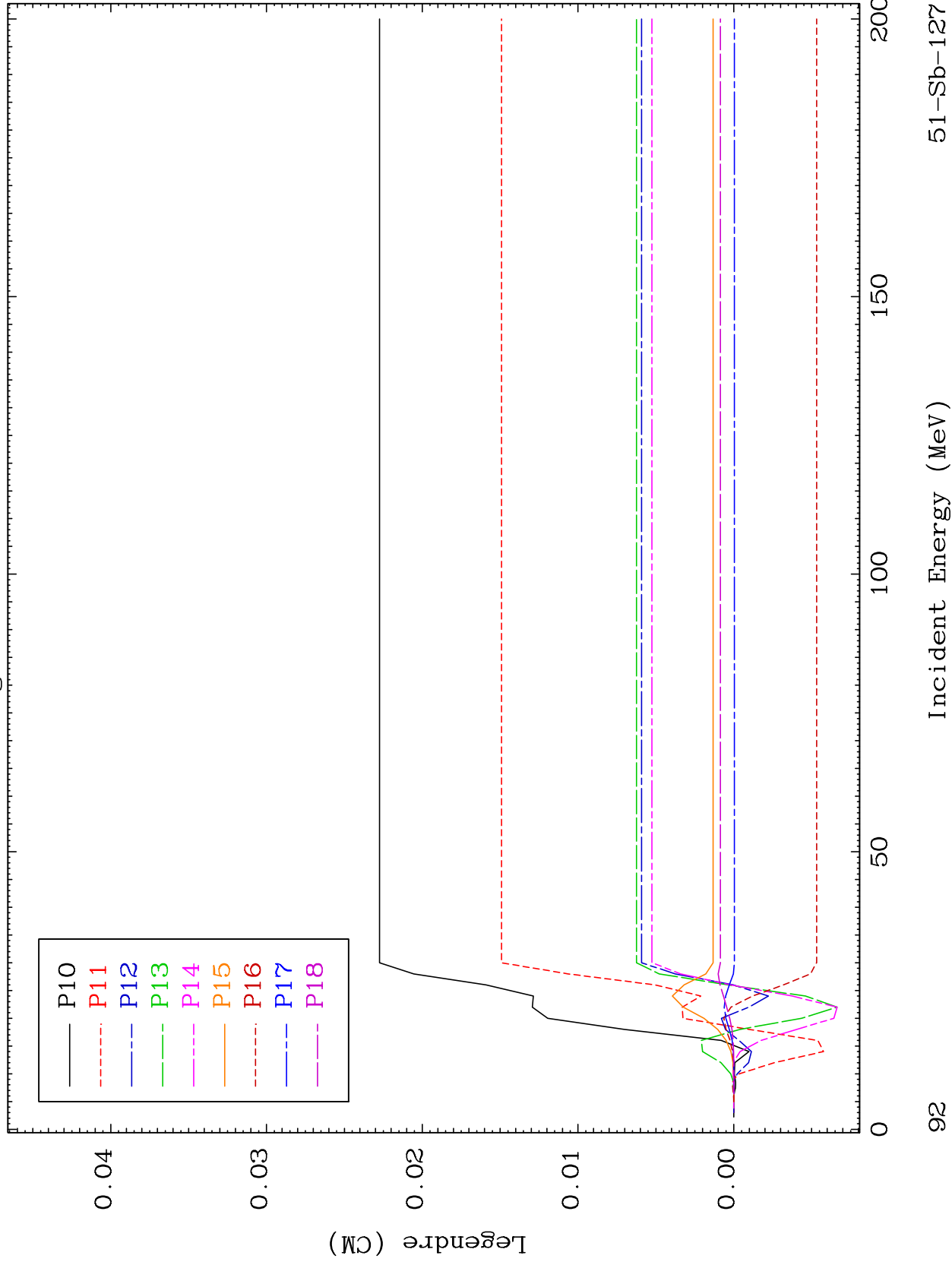
Incident Energy (MeV)

91

MAT 5143

1.994 MeV (n,n') Level  
Legendre Coefficients

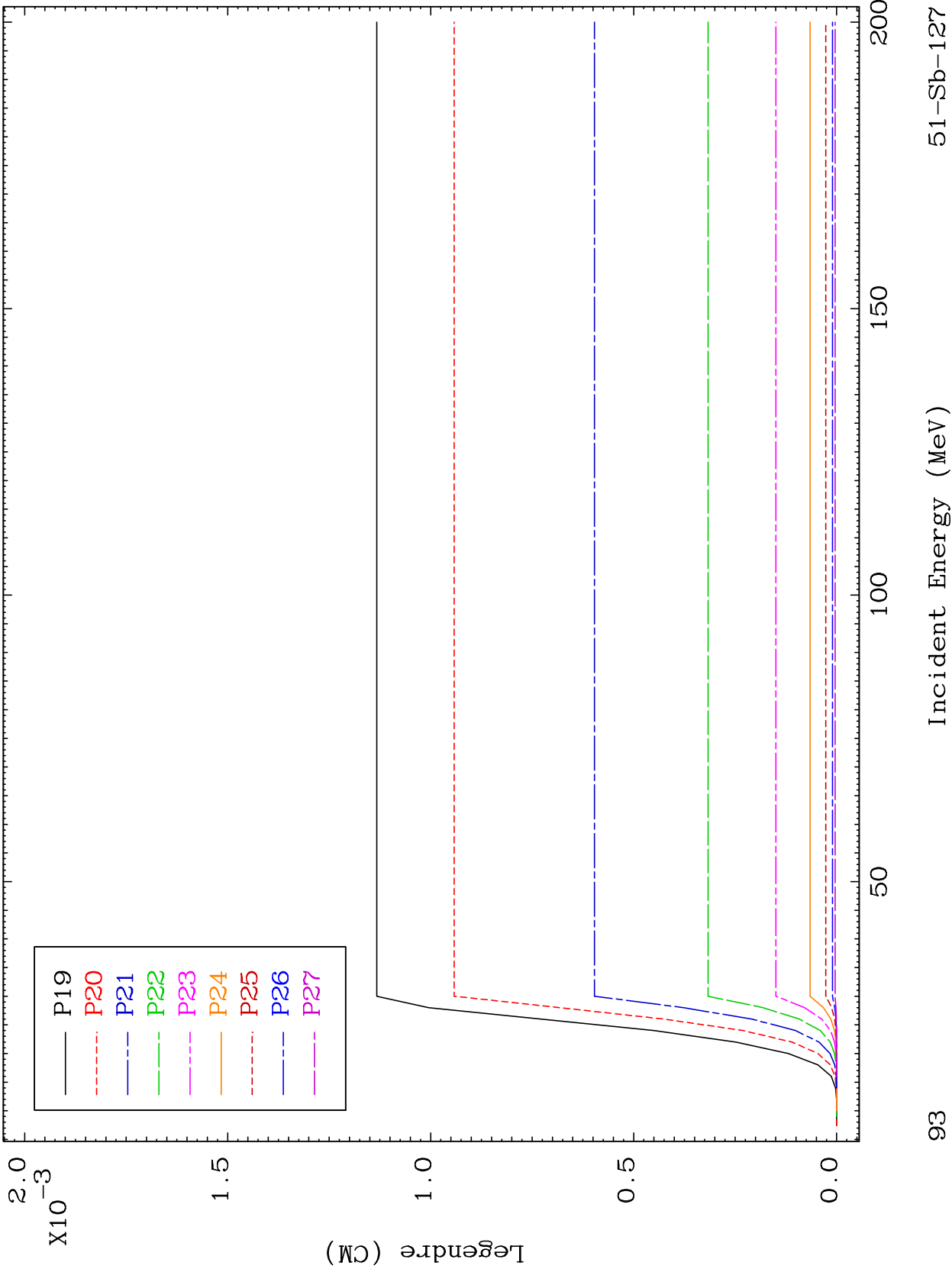
51-Sb-127



92

Incident Energy (MeV)

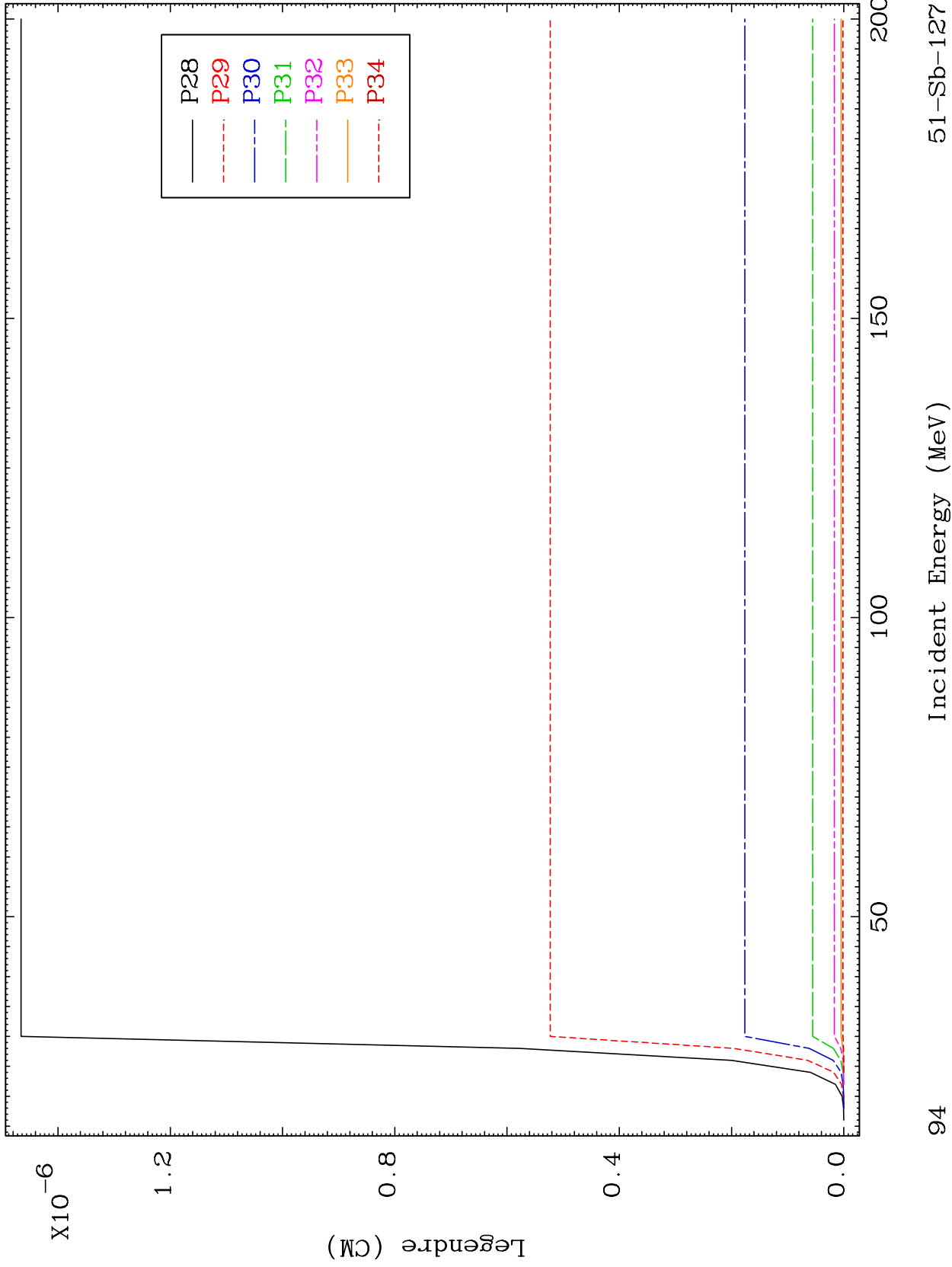
51-Sb-127



MAT 5143

1.994 MeV (n,n') Level  
Legendre Coefficients

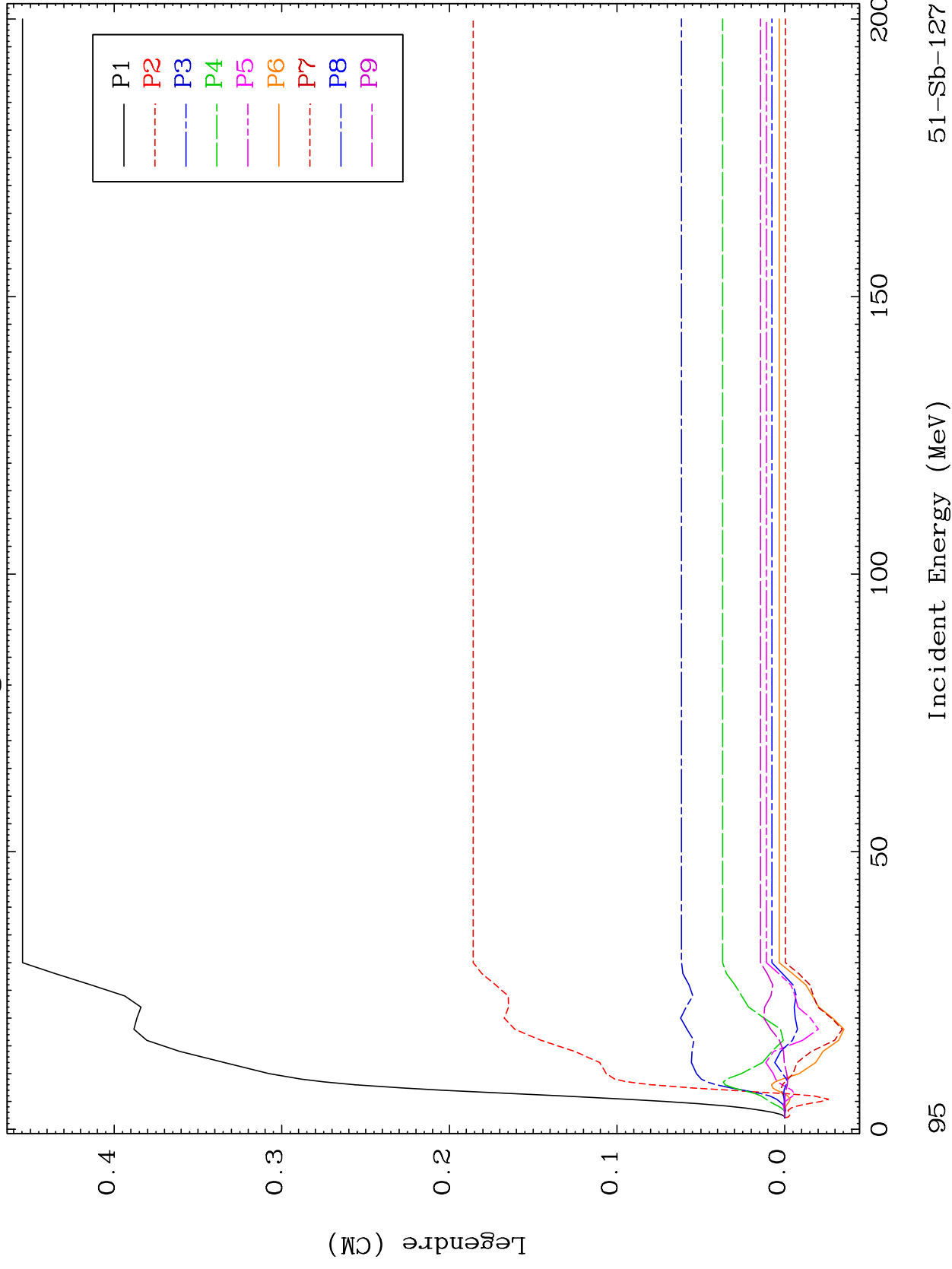
51-Sb-127



MAT 5143

2.003 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

Incident Energy (MeV)

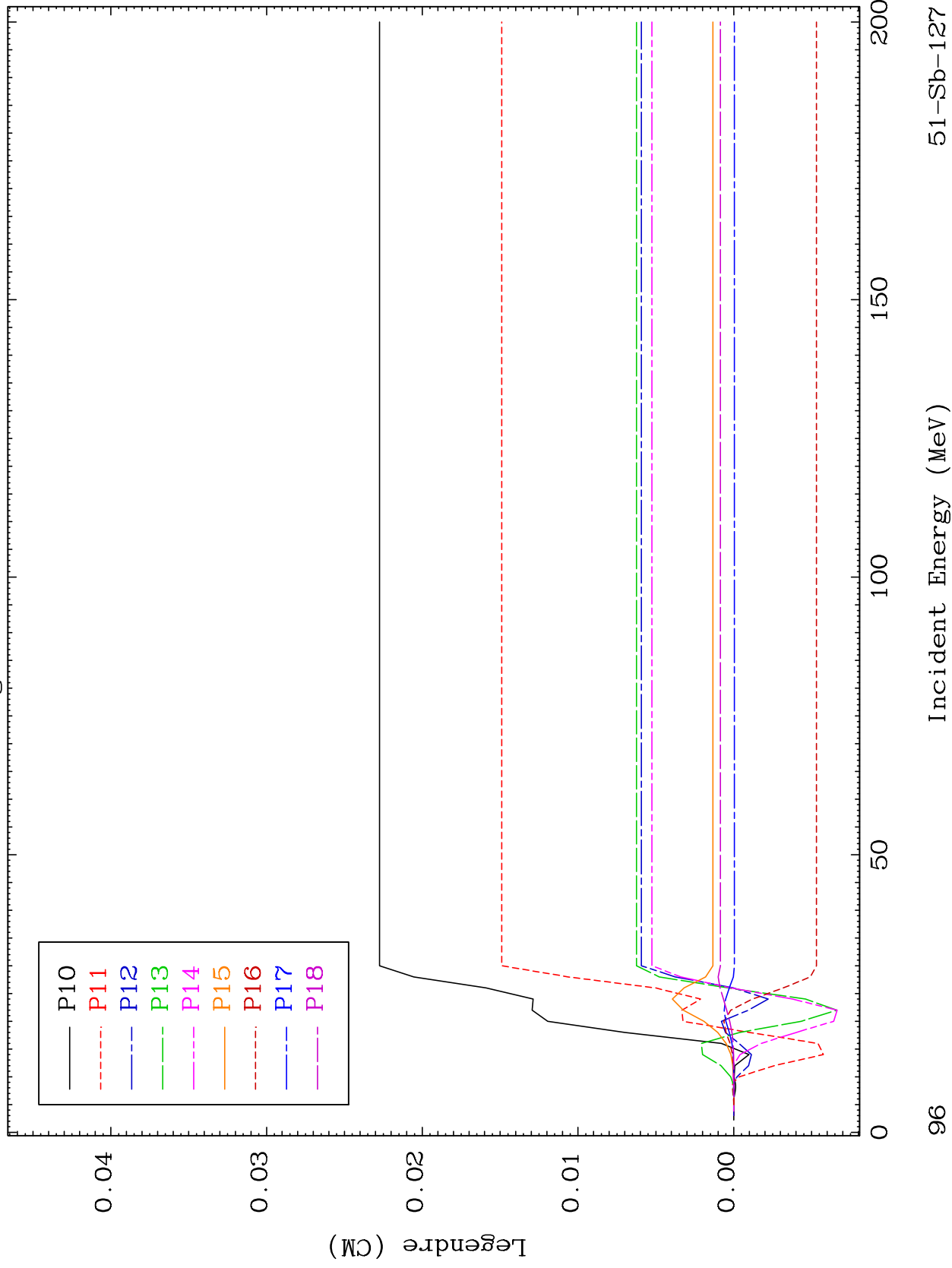
95



MAT 5143

2.003 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



96

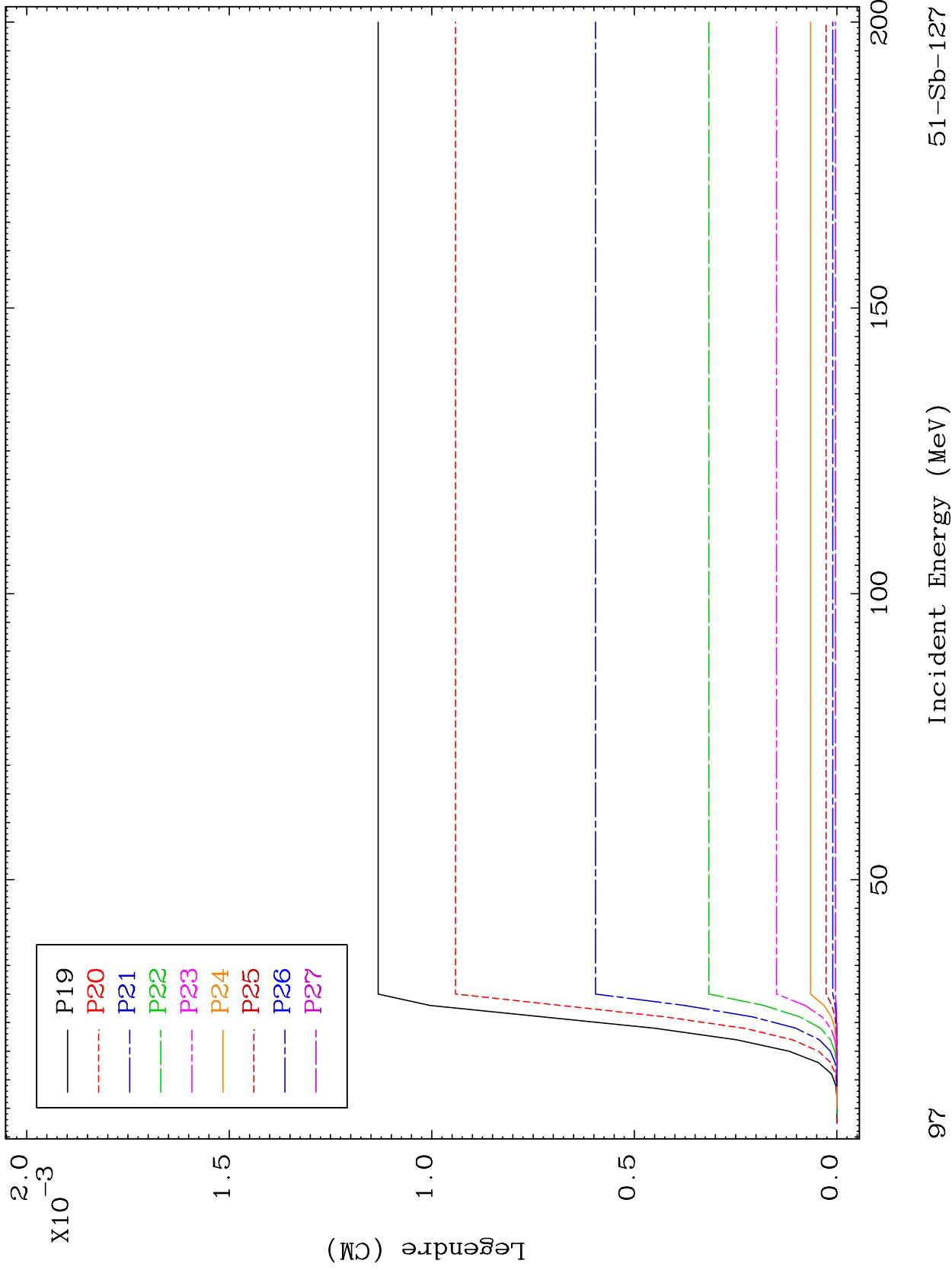
Incident Energy (MeV)

51-Sb-127

MAT 5143

2.003 MeV (n,n') Level  
Legendre Coefficients

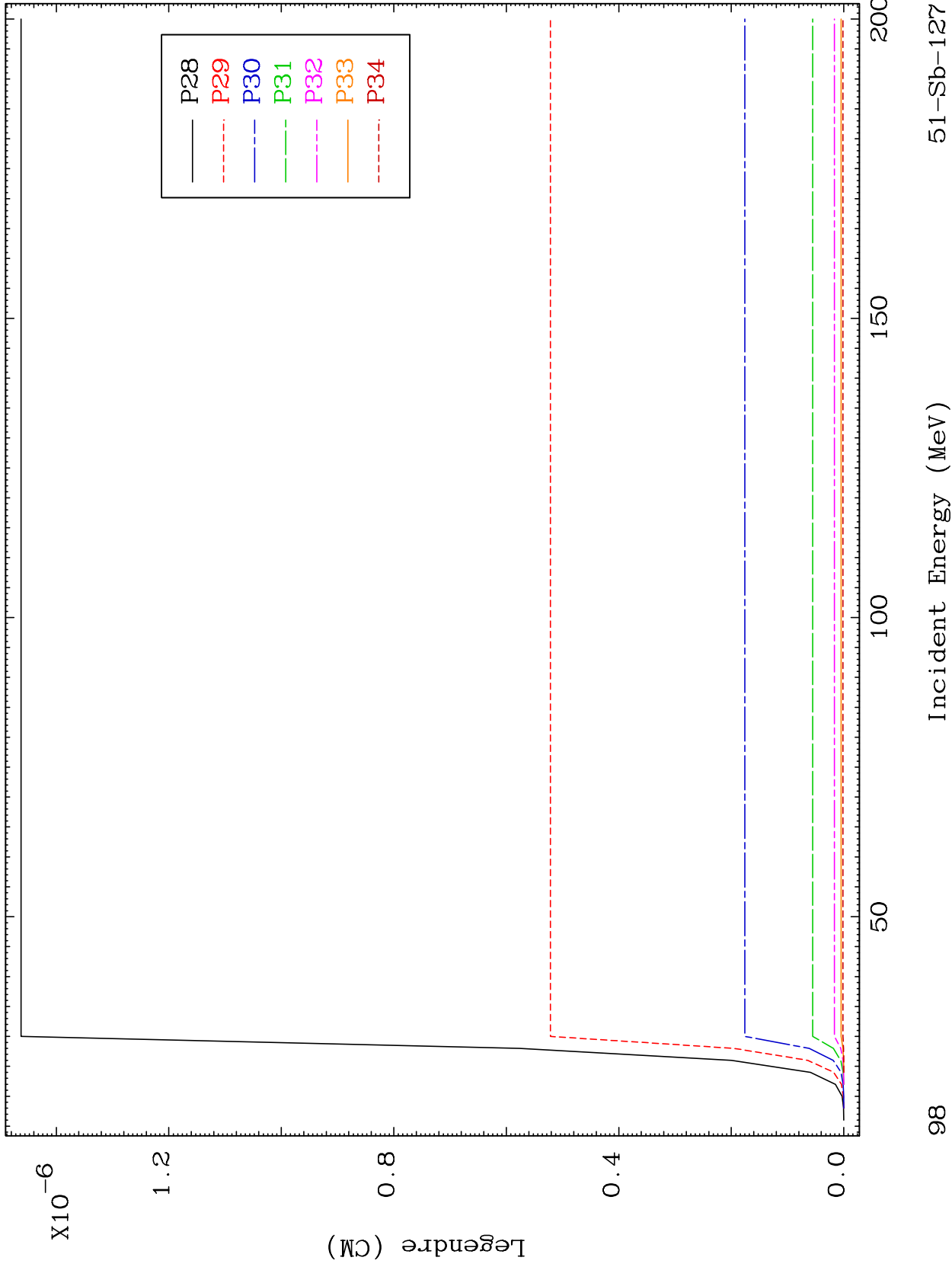
51-Sb-127



MAT 5143

2.003 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127

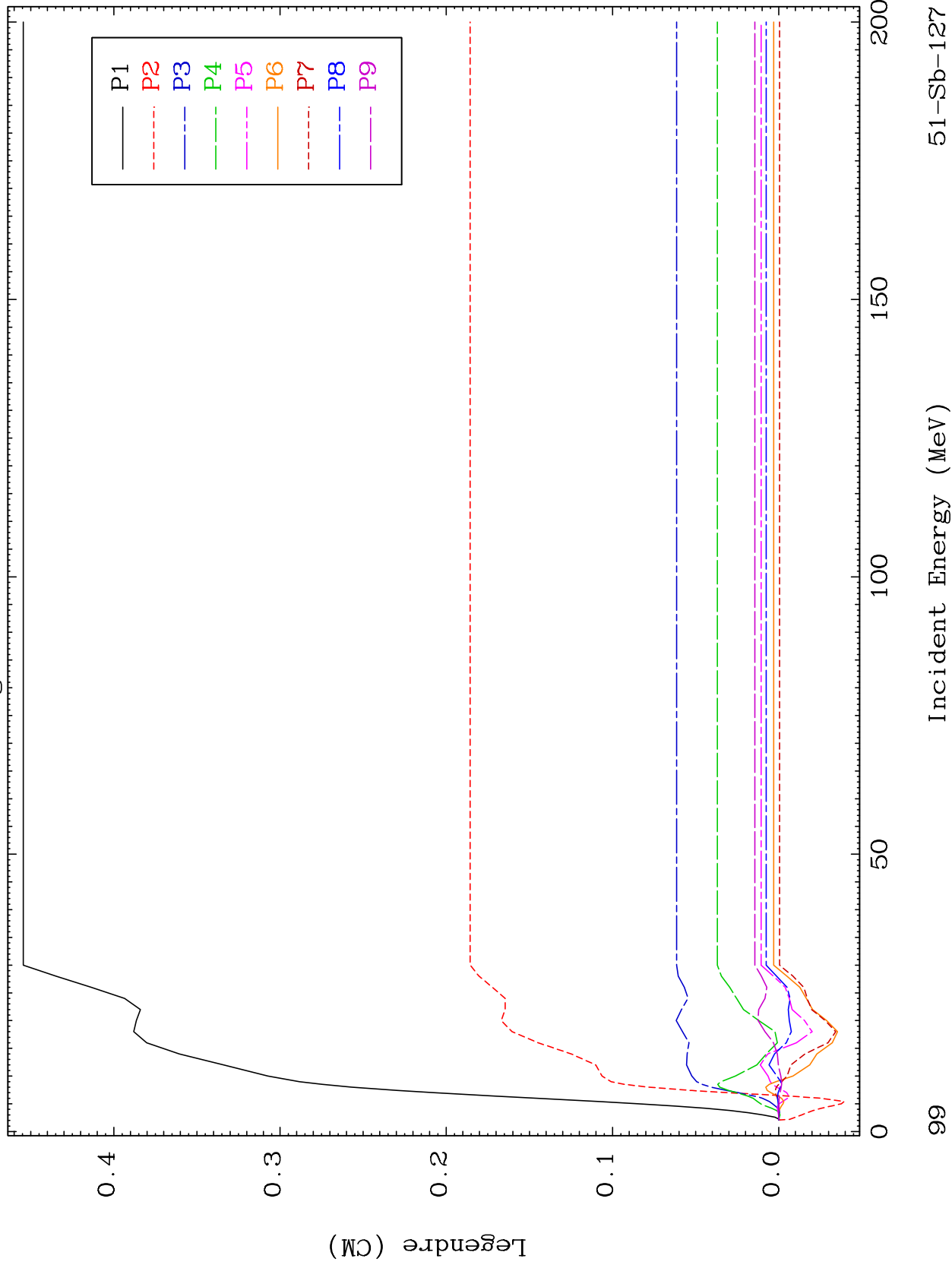


98

MAT 5143

2.051 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

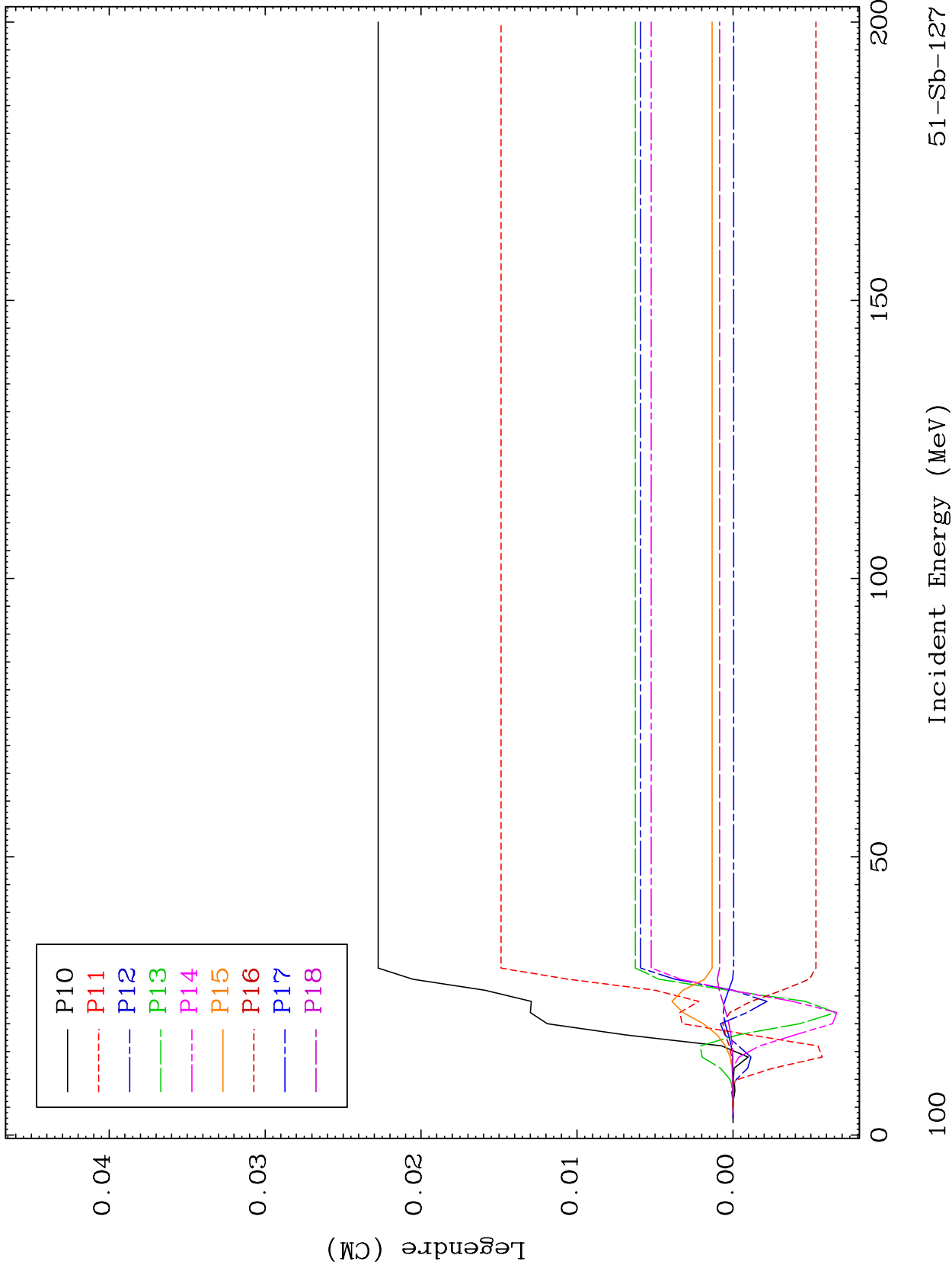
Incident Energy (MeV)

99

MAT 5143

2.051 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

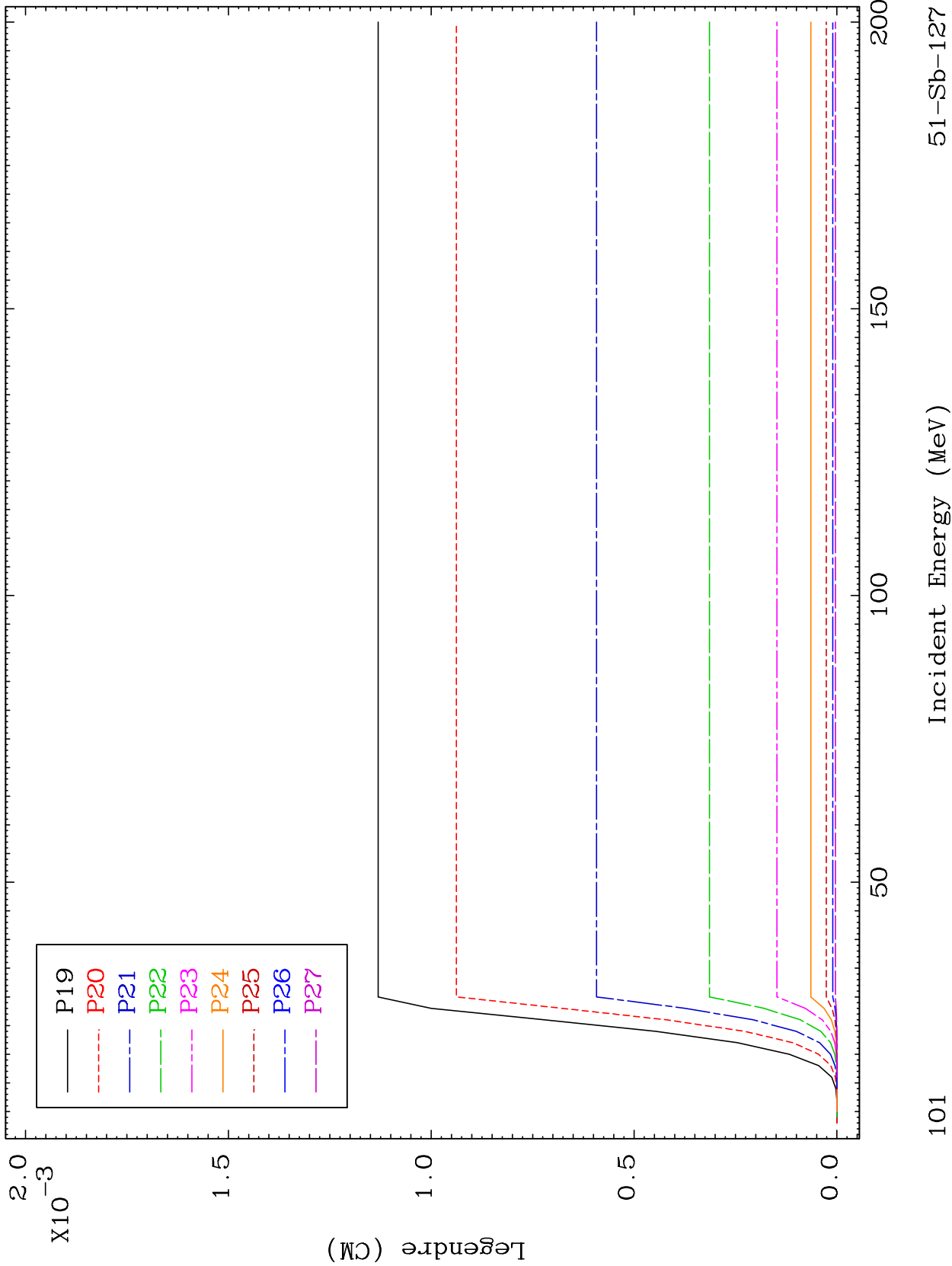
Incident Energy (MeV)

100

MAT 5143

2.051 MeV (n, n') Level  
Legendre Coefficients

51-Sb-127



101

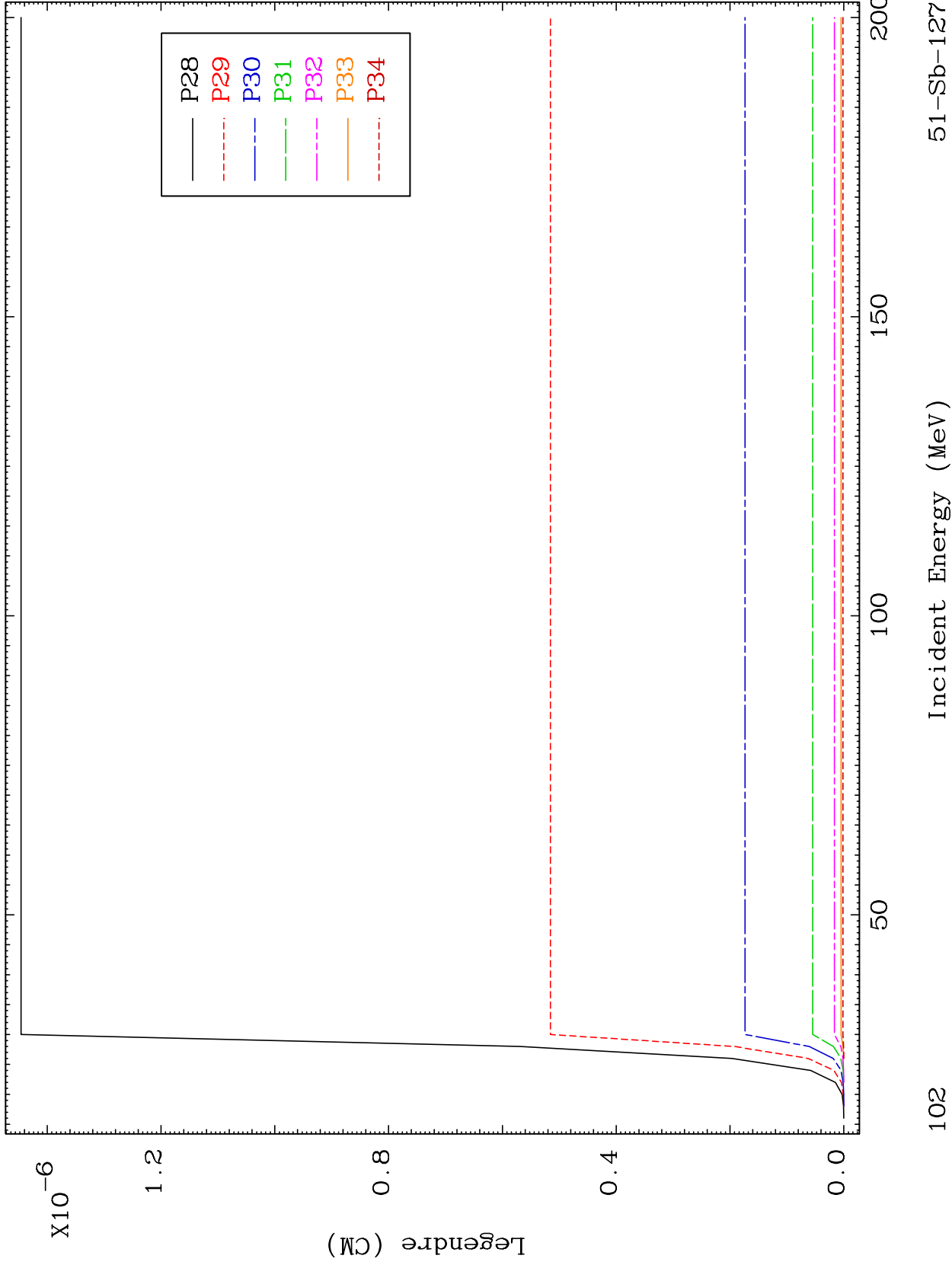
Incident Energy (MeV)

51-Sb-127

MAT 5143

2.051 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

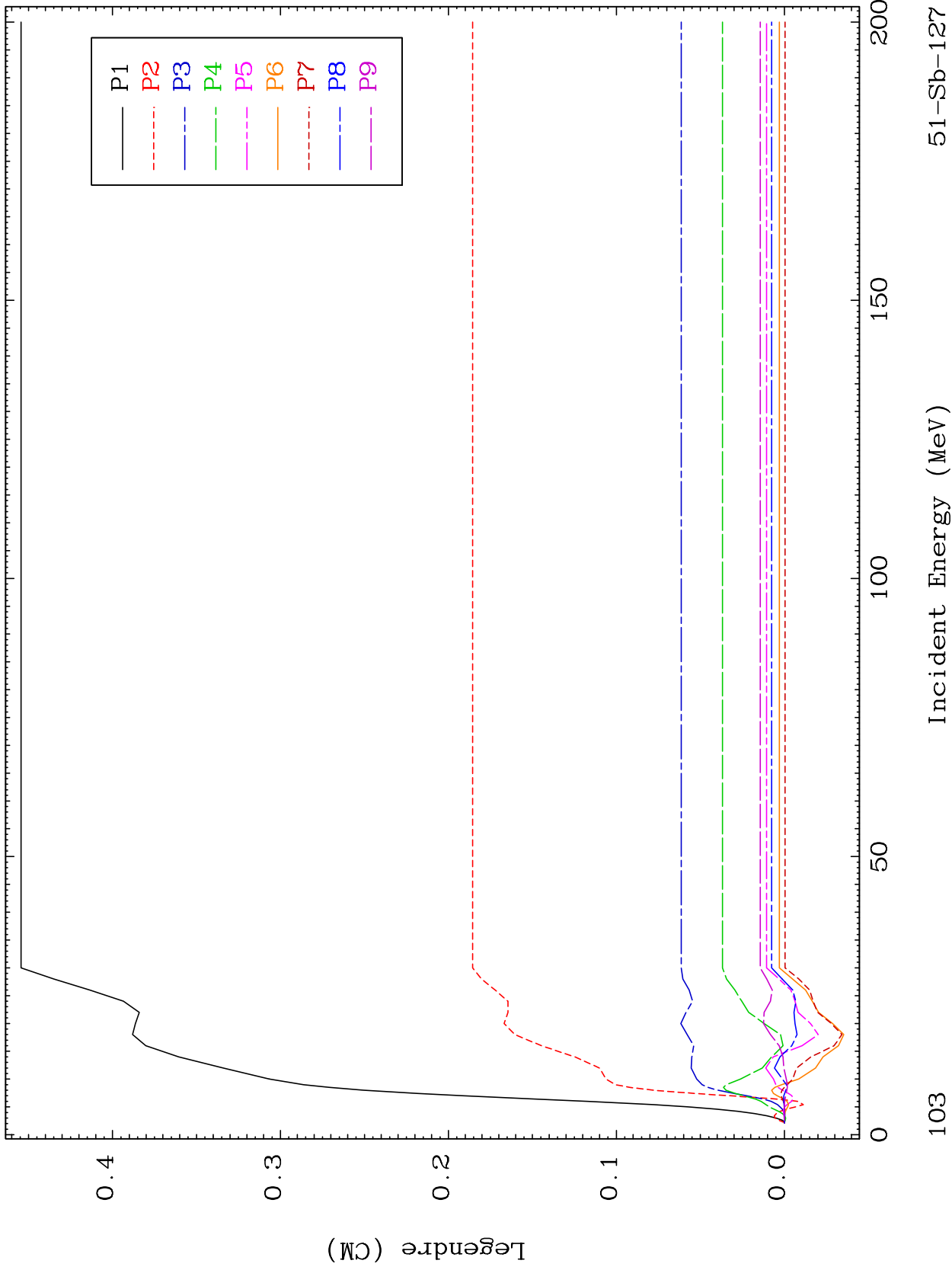
Incident Energy (MeV)

102

MAT 5143

2.055 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

Incident Energy (MeV)

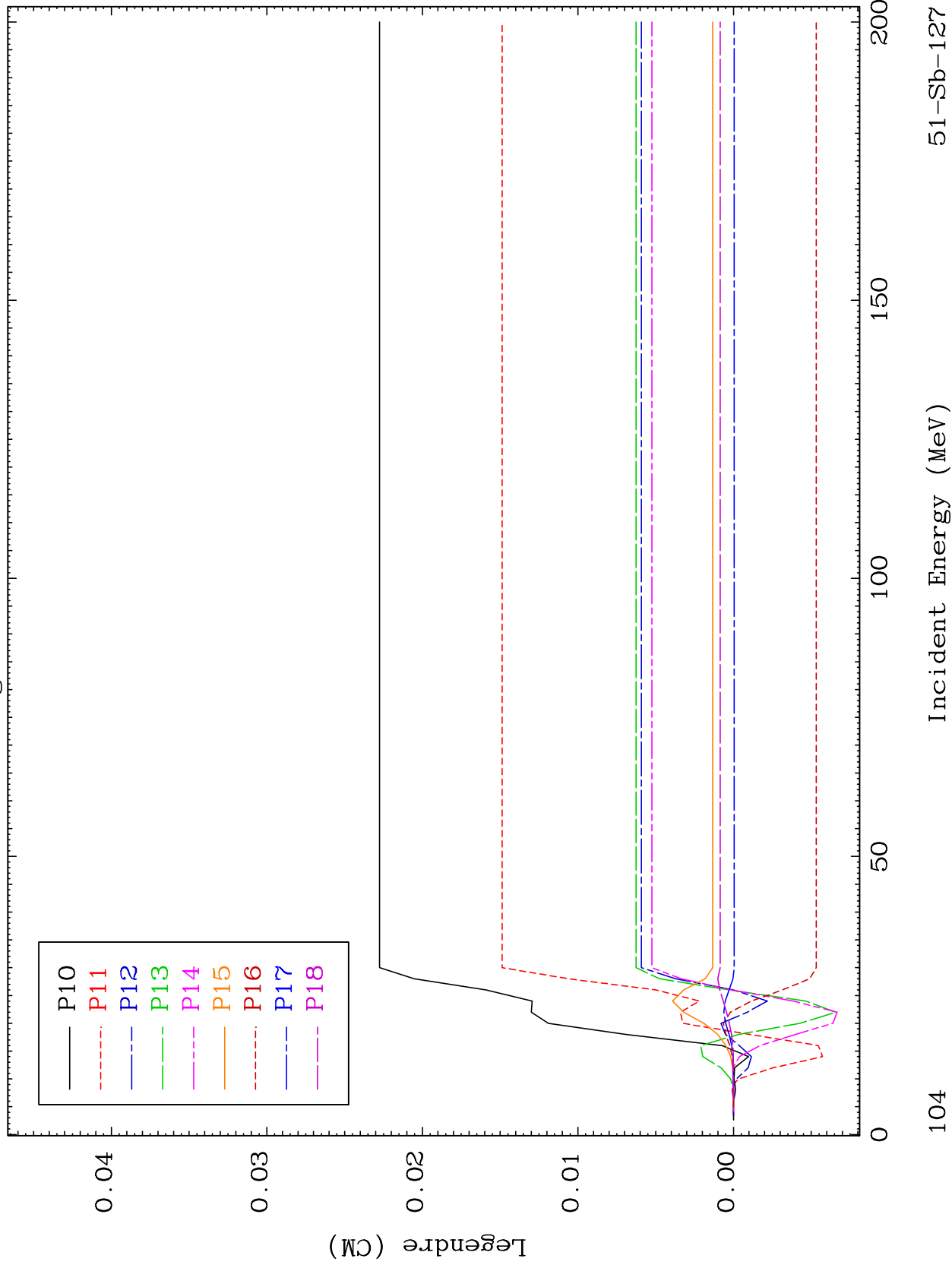
103



MAT 5143

2.055 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



104

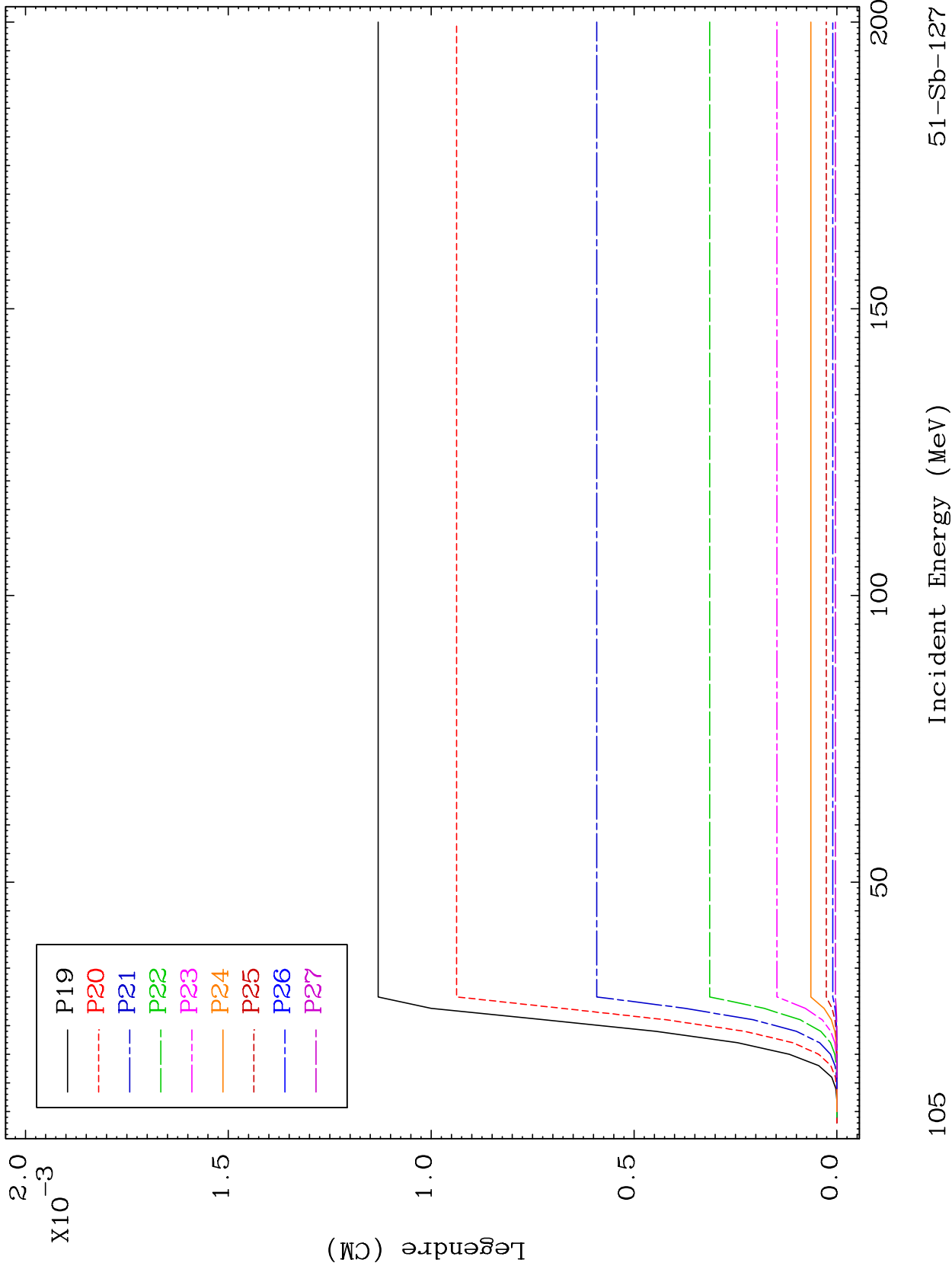
Incident Energy (MeV)

51-Sb-127

MAT 5143

2.055 MeV (n, n') Level  
Legendre Coefficients

51-Sb-127

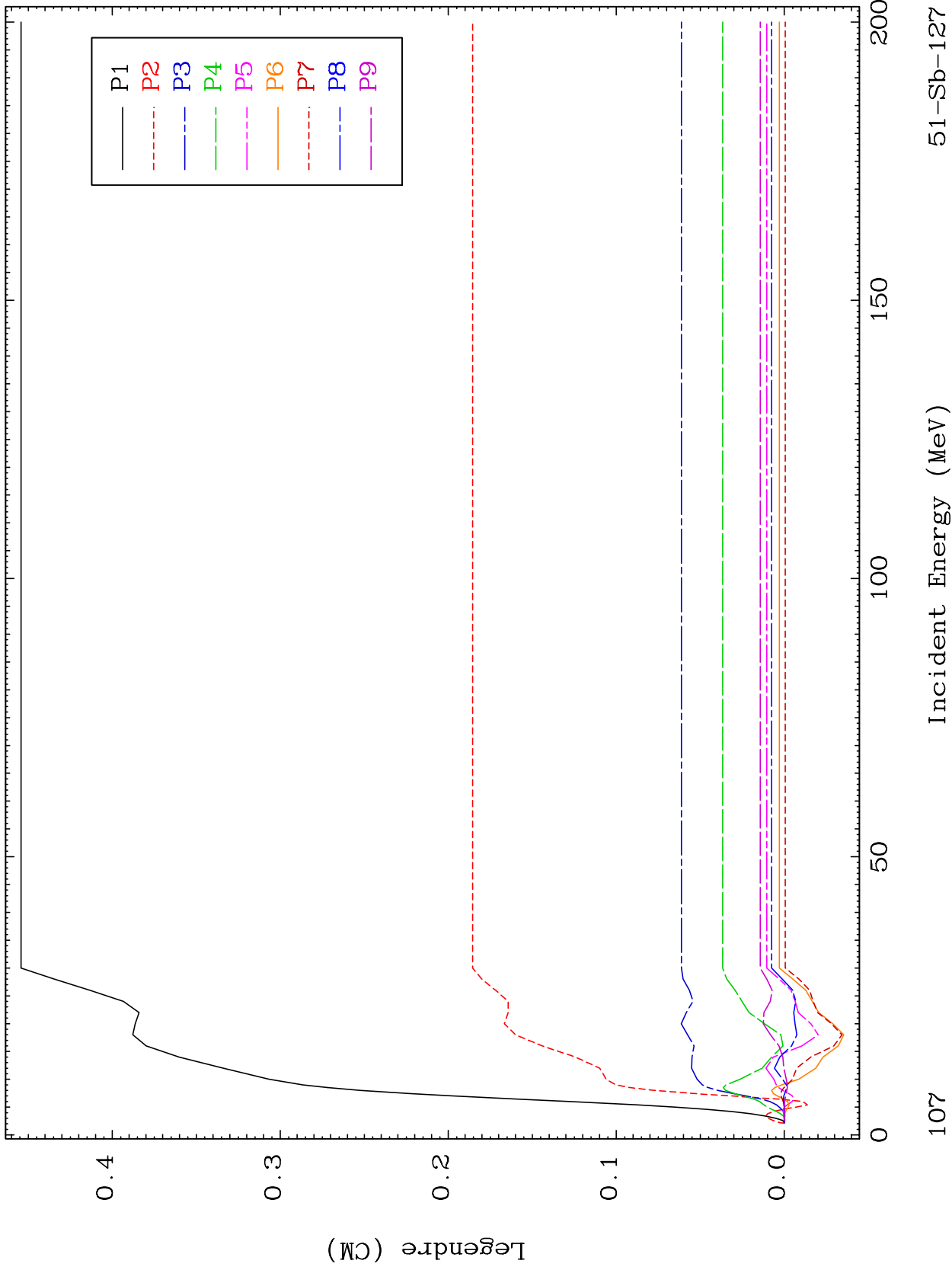




MAT 5143

2.093 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

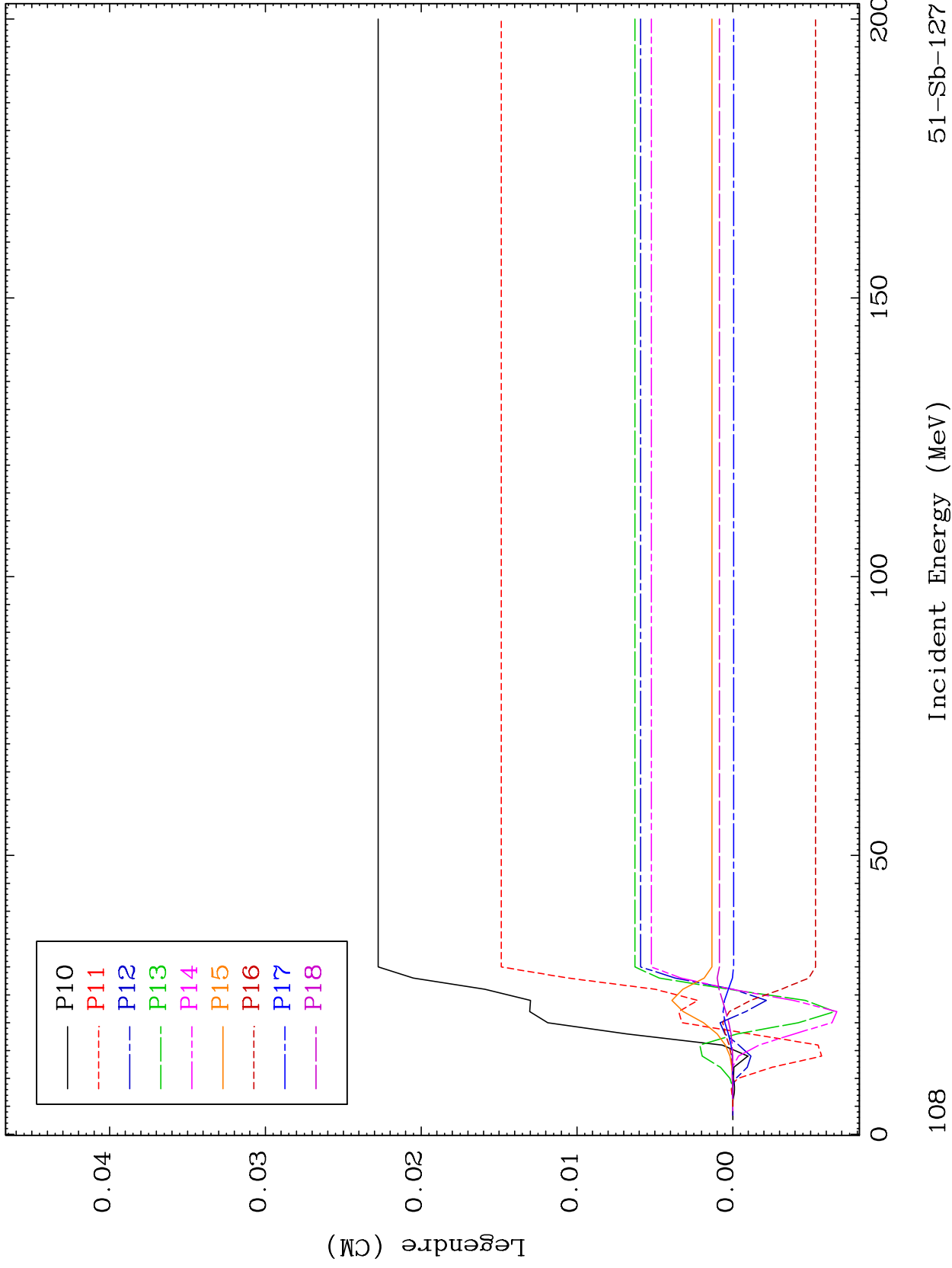
Incident Energy (MeV)

107

MAT 5143

2.093 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



51-Sb-127

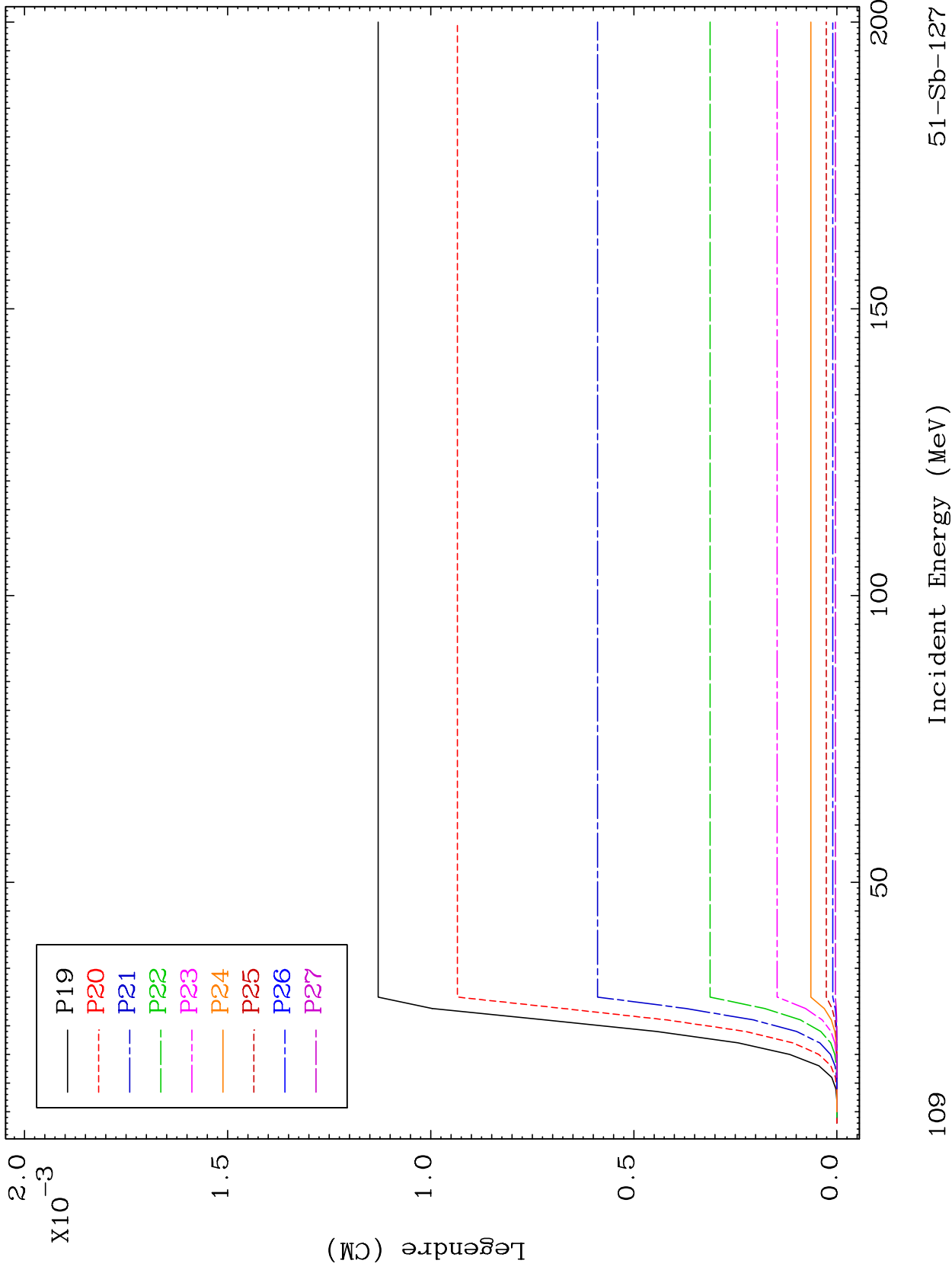
Incident Energy (MeV)

108

MAT 5143

2.093 MeV (n,n') Level  
Legendre Coefficients

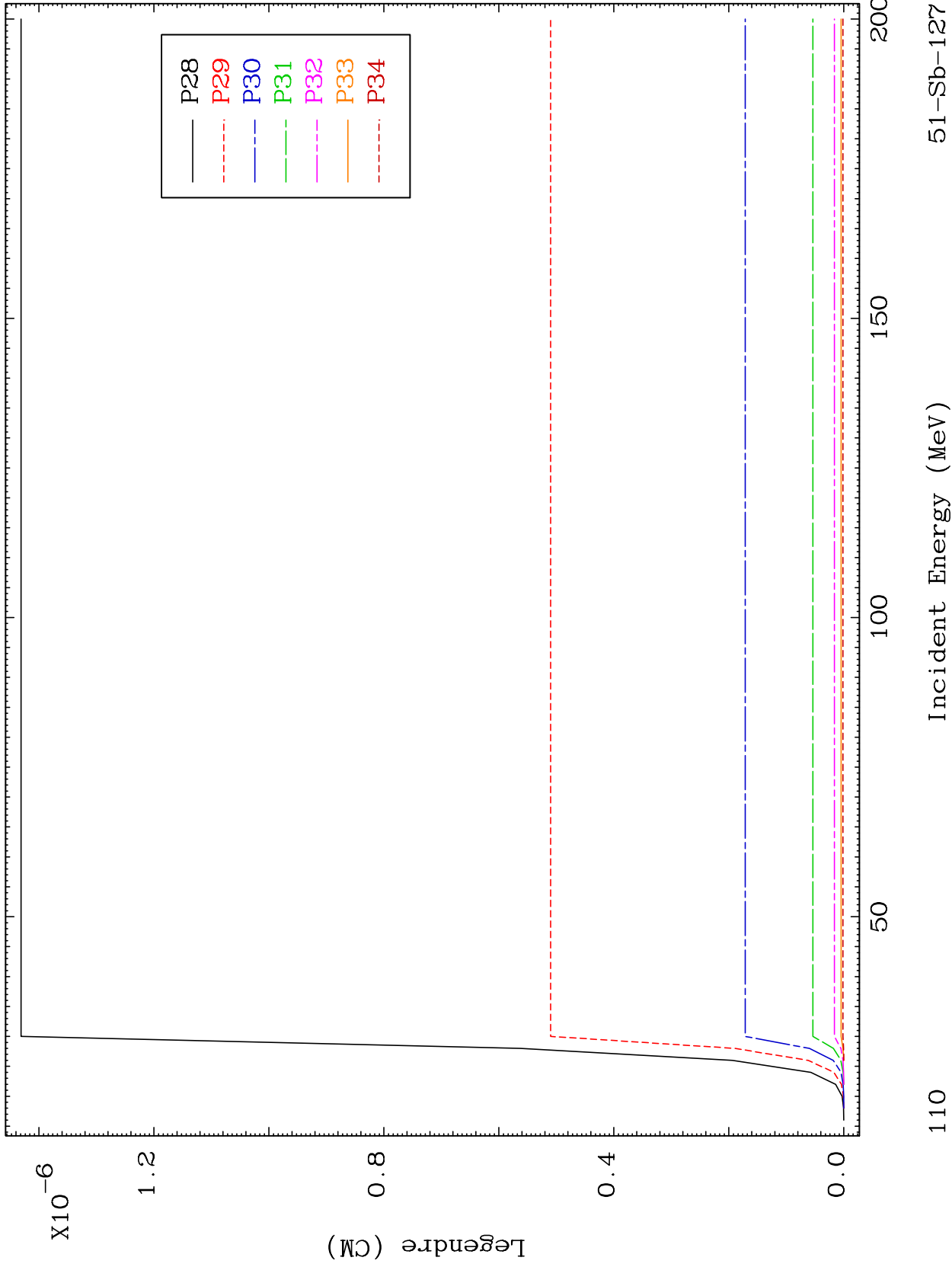
51-Sb-127



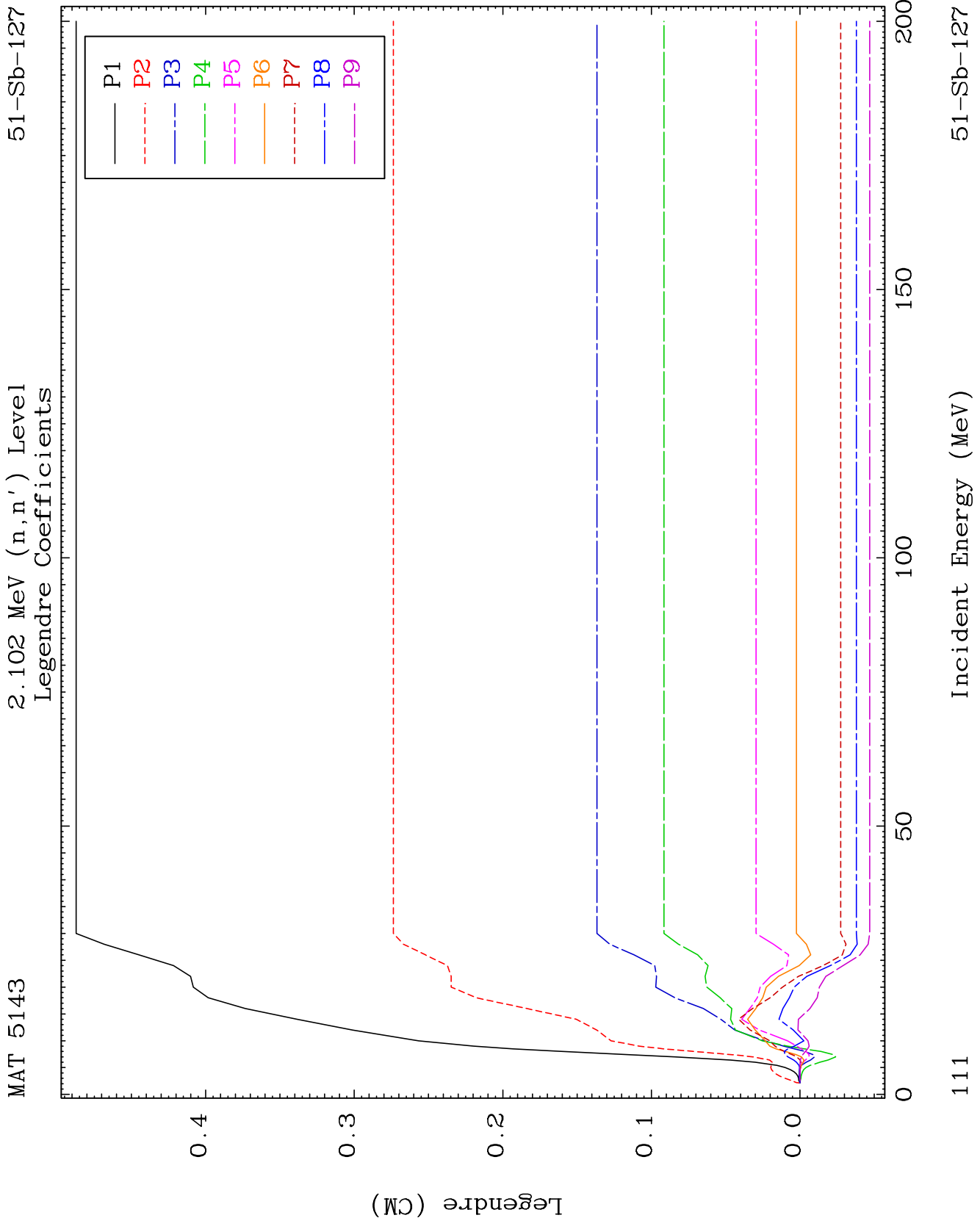
MAT 5143

2.093 MeV (n,n') Level  
Legendre Coefficients

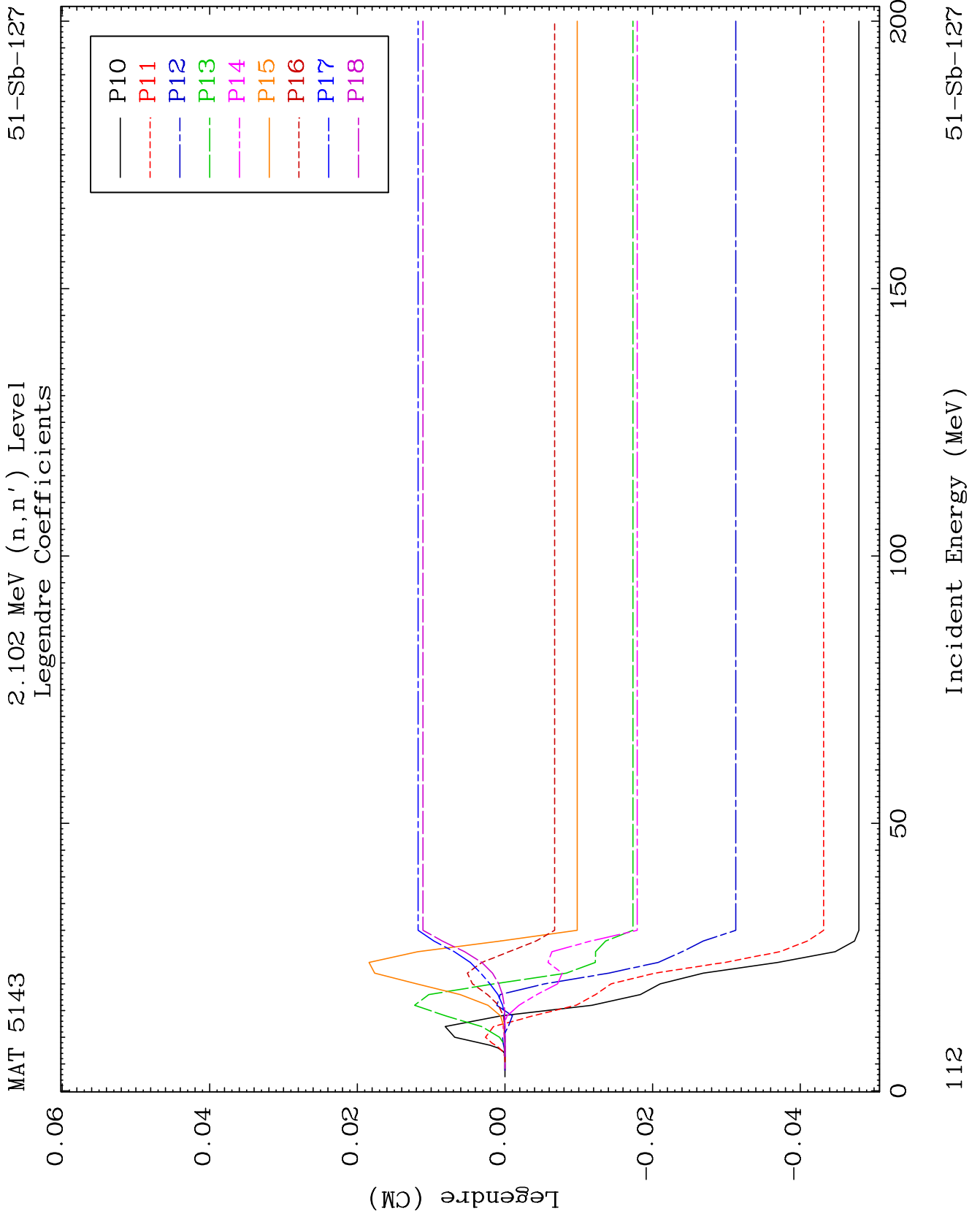
51-Sb-127



51-Sb-127



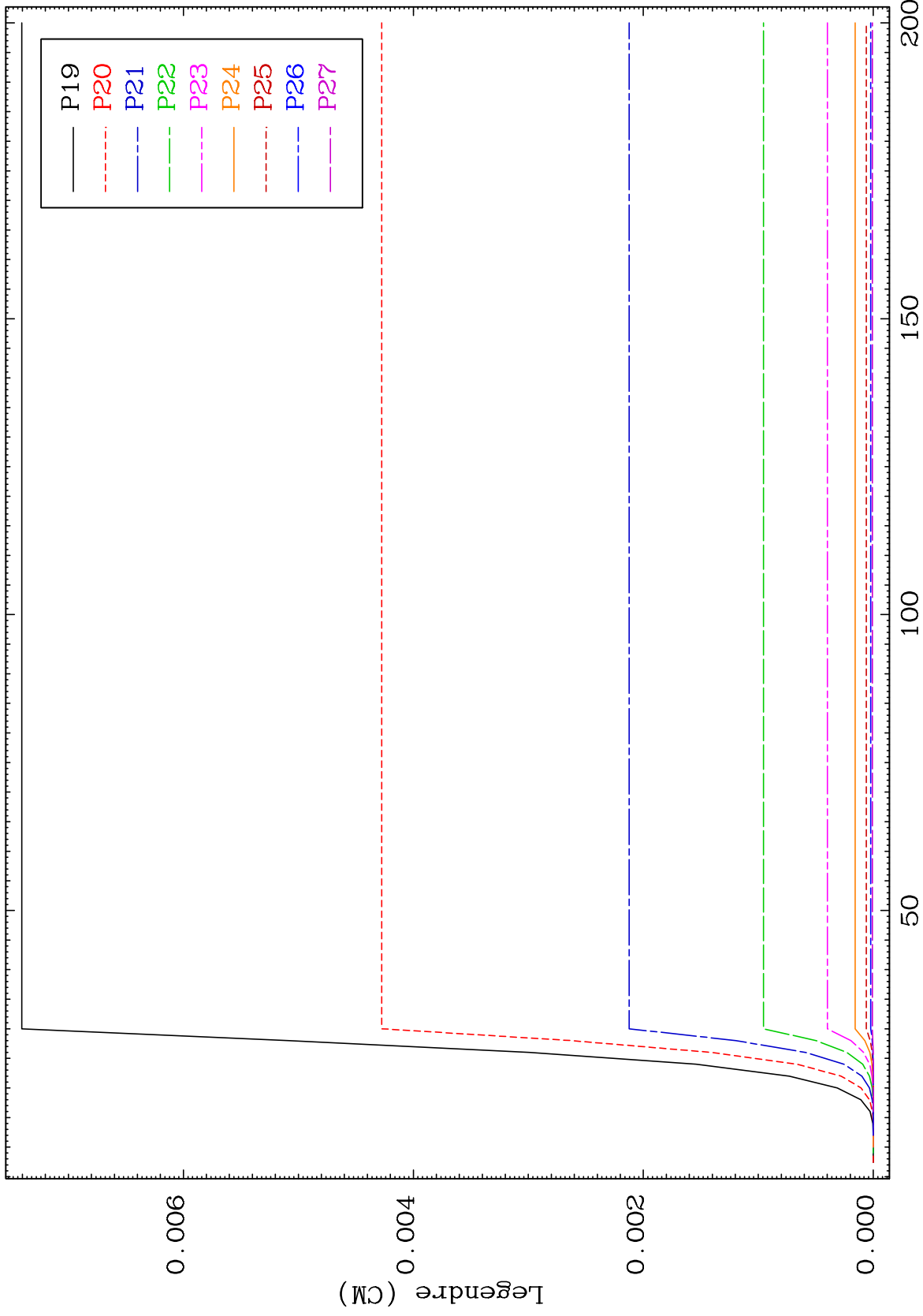




MAT 5143

2.102 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



113

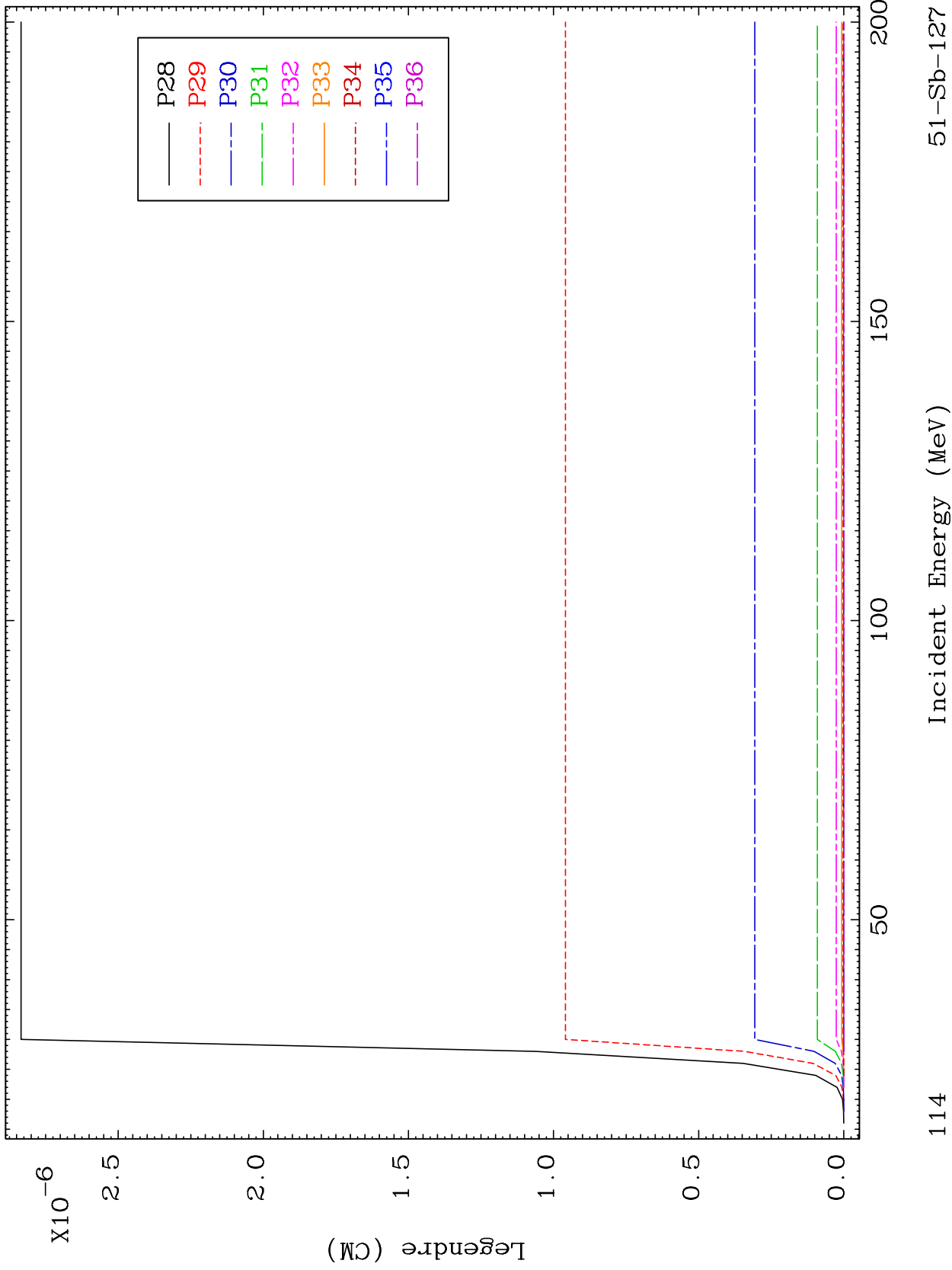
Incident Energy (MeV)

51-Sb-127

MAT 5143

2.102 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127

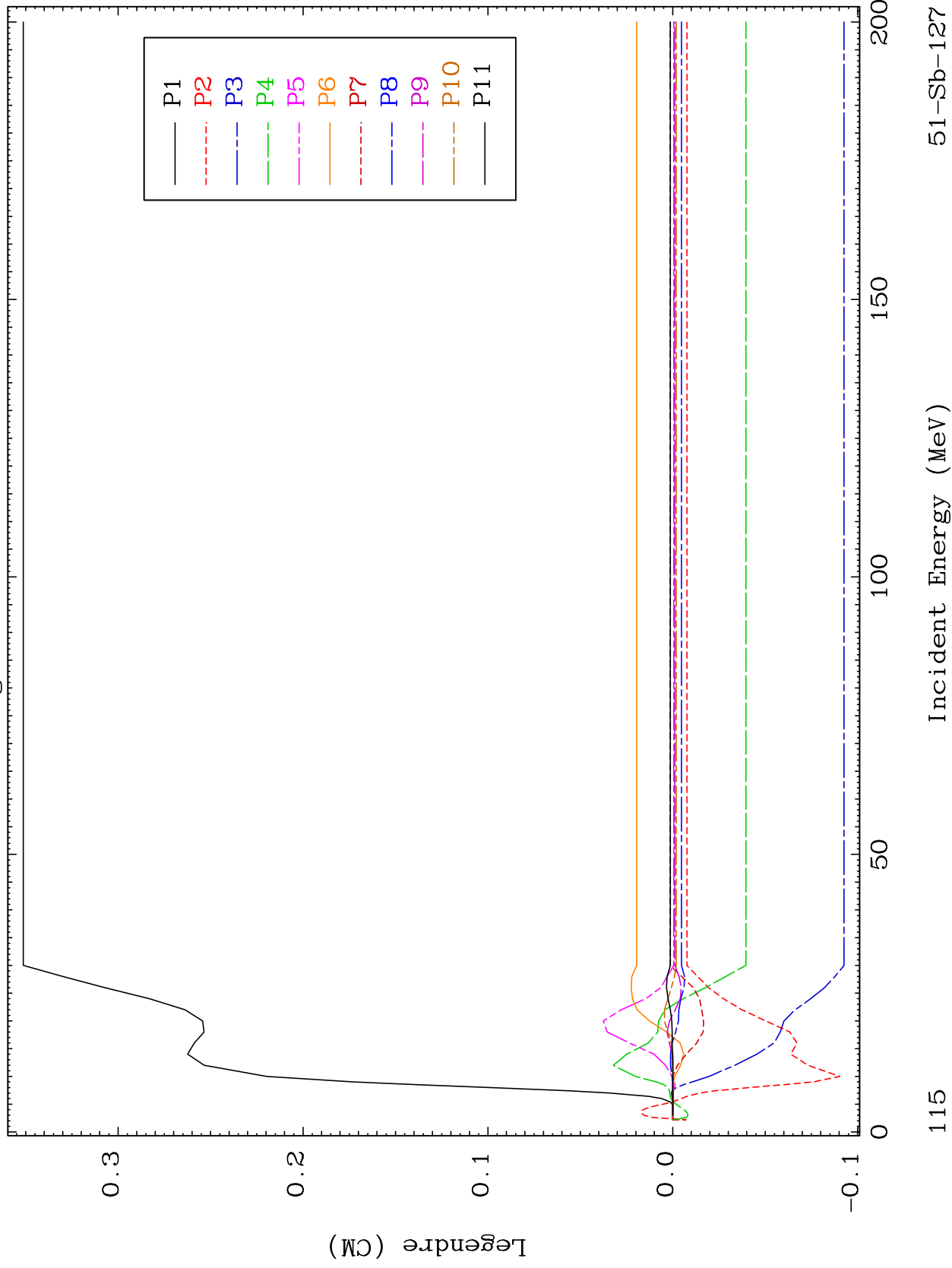


114

MAT 5143

2.110 MeV (n,n') Level  
Legendre Coefficients

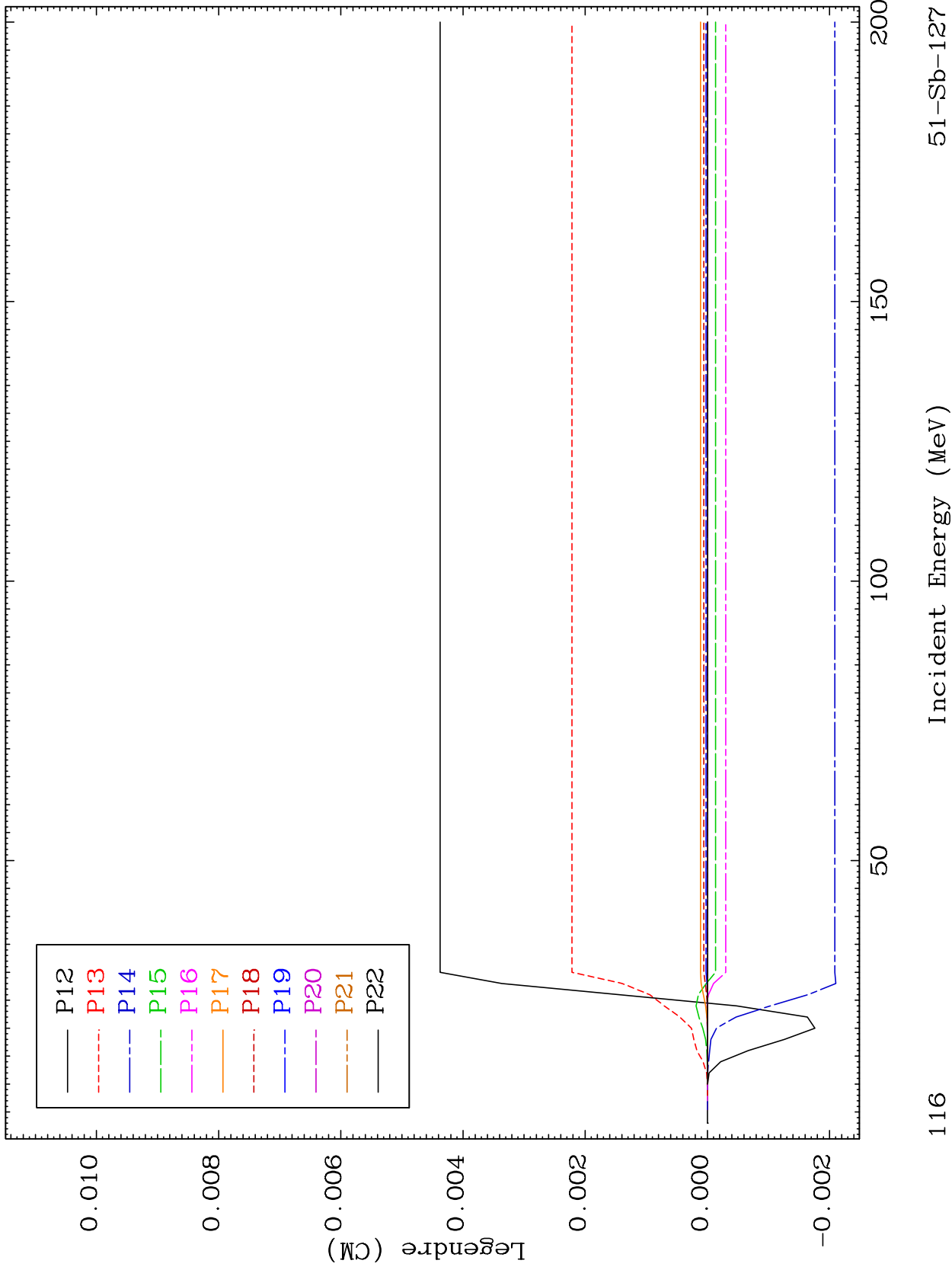
51-Sb-127

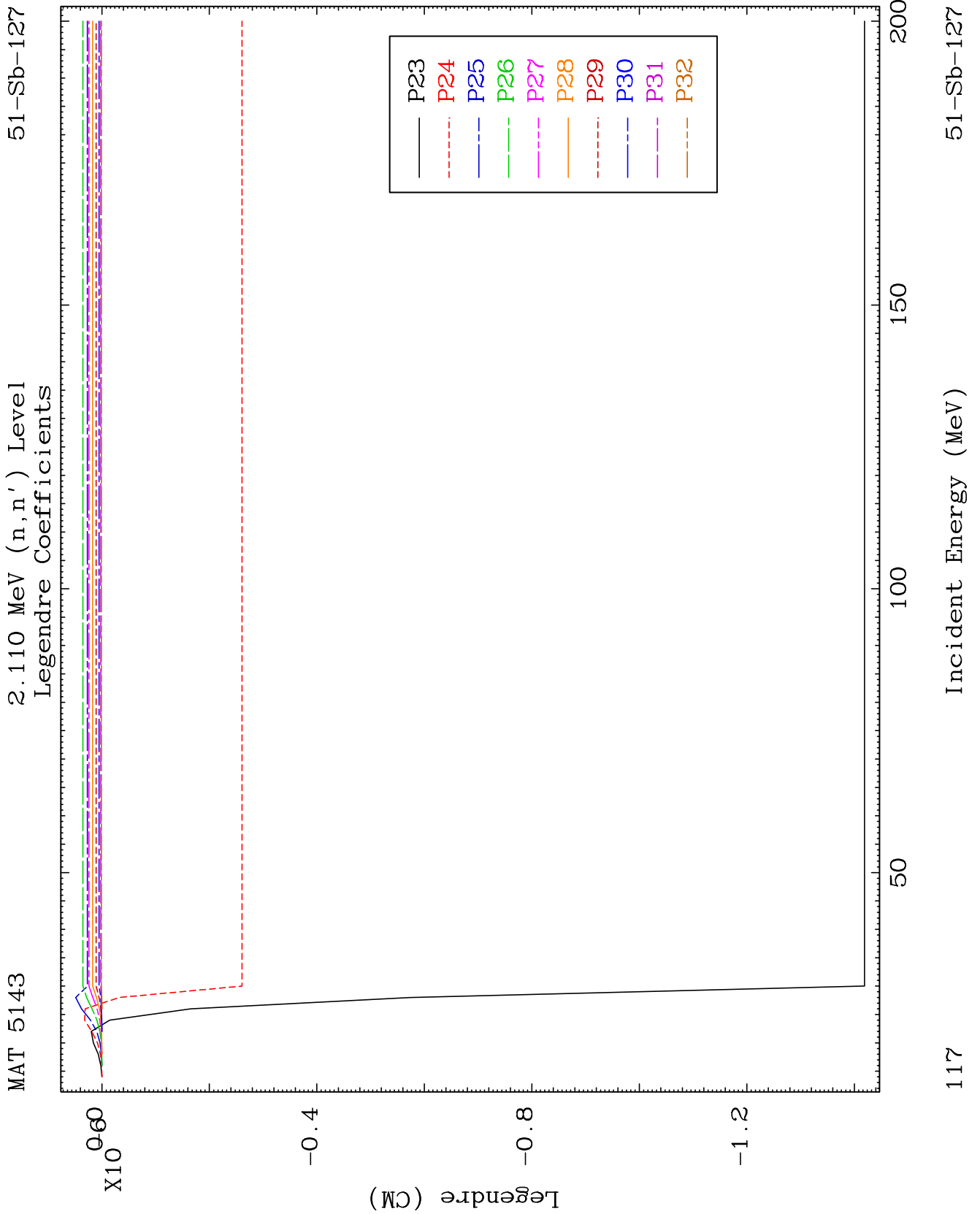


51-Sb-127

Incident Energy (MeV)

115

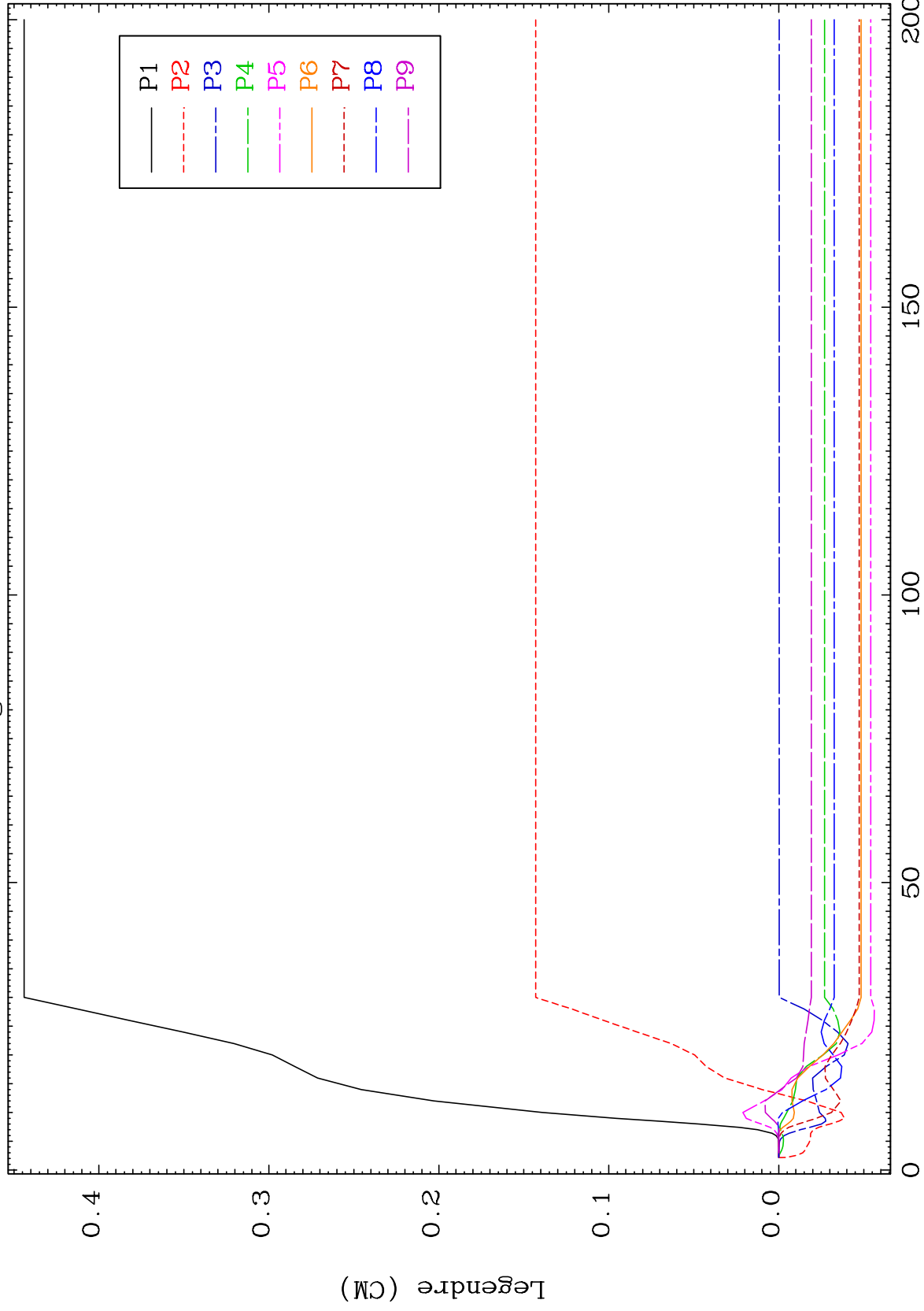




MAT 5143

2.124 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



118

Incident Energy (MeV)

51-Sb-127

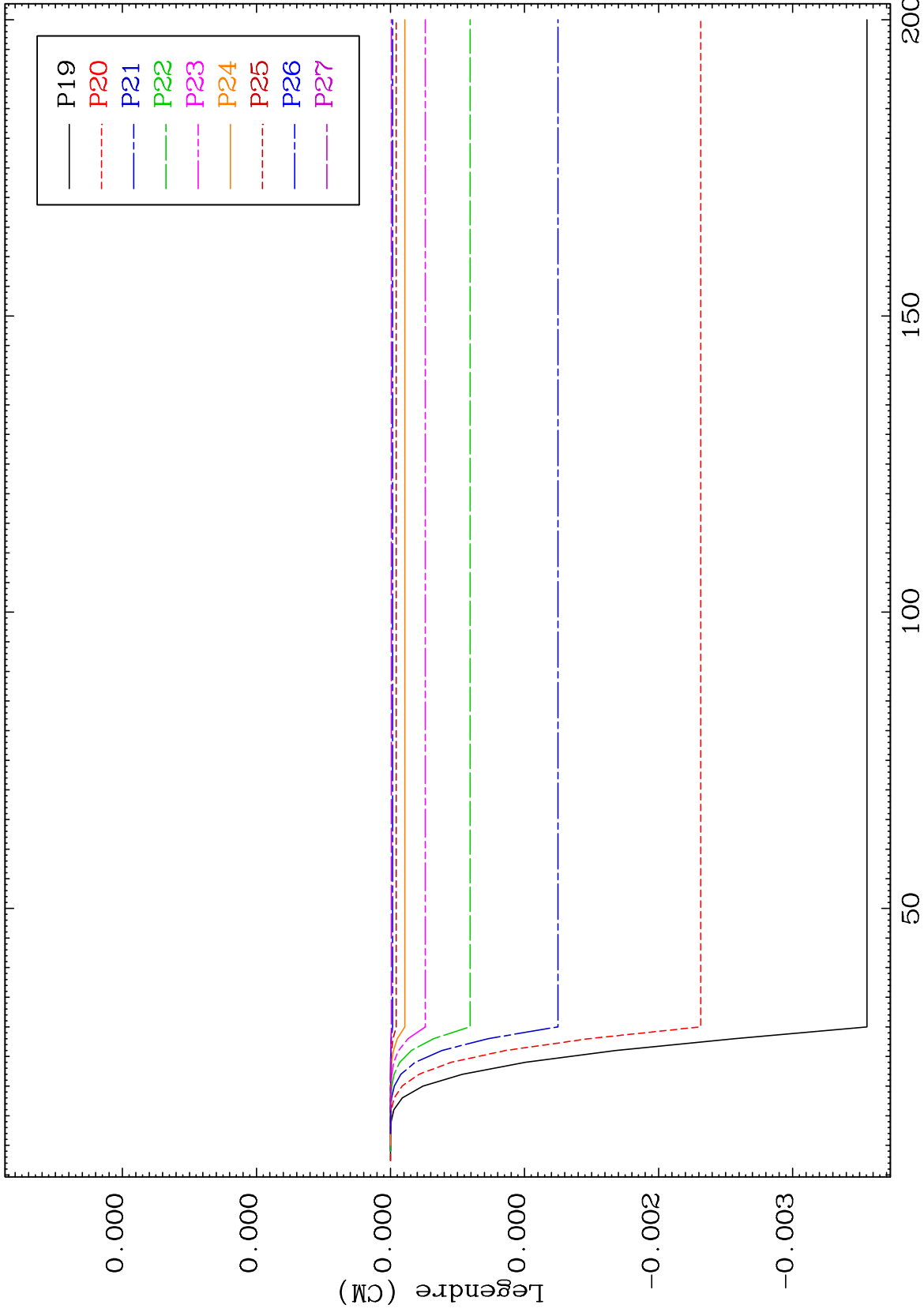




MAT 5143

2.124 MeV (n,n') Level  
Legendre Coefficients

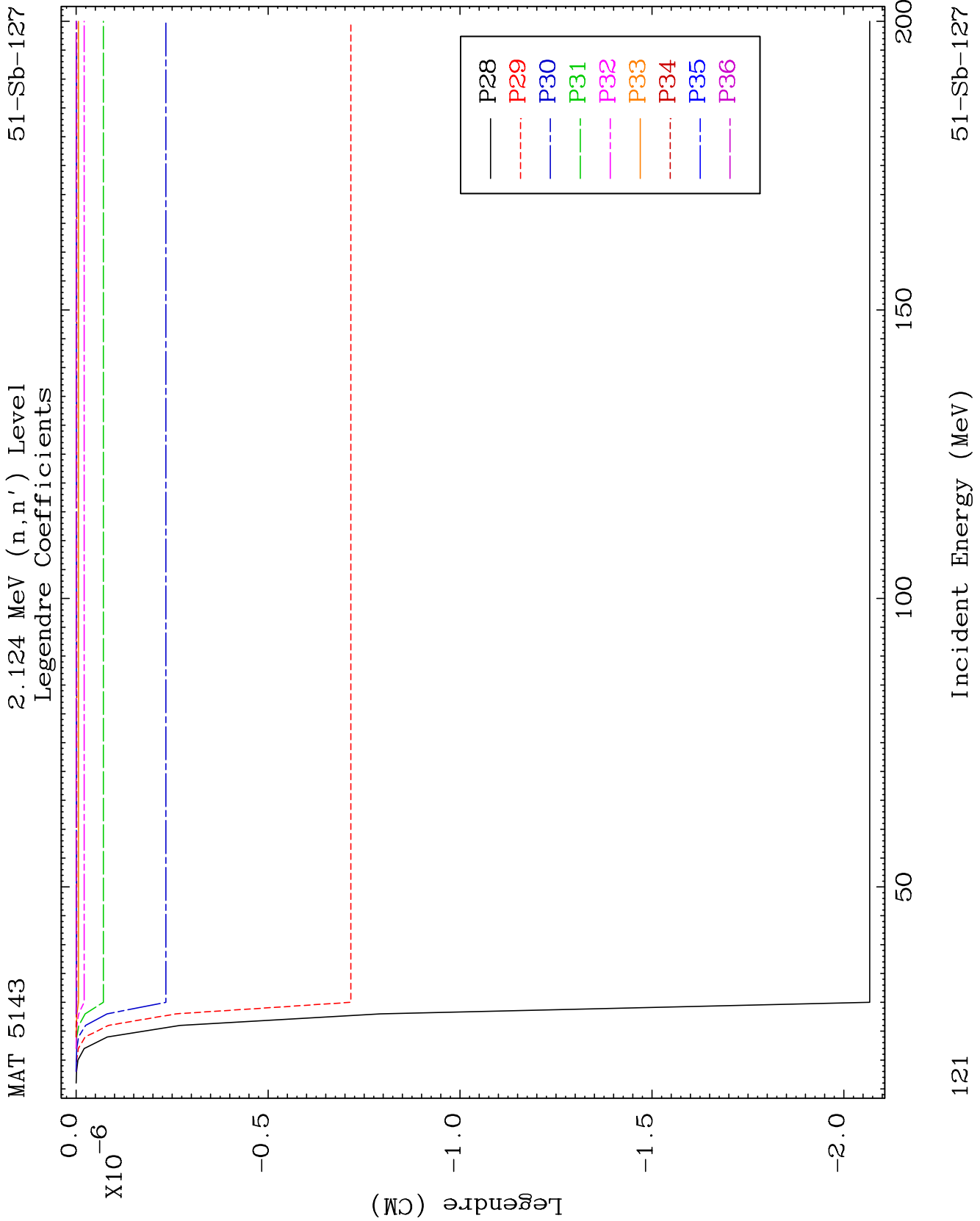
51-Sb-127



120

Incident Energy (MeV)

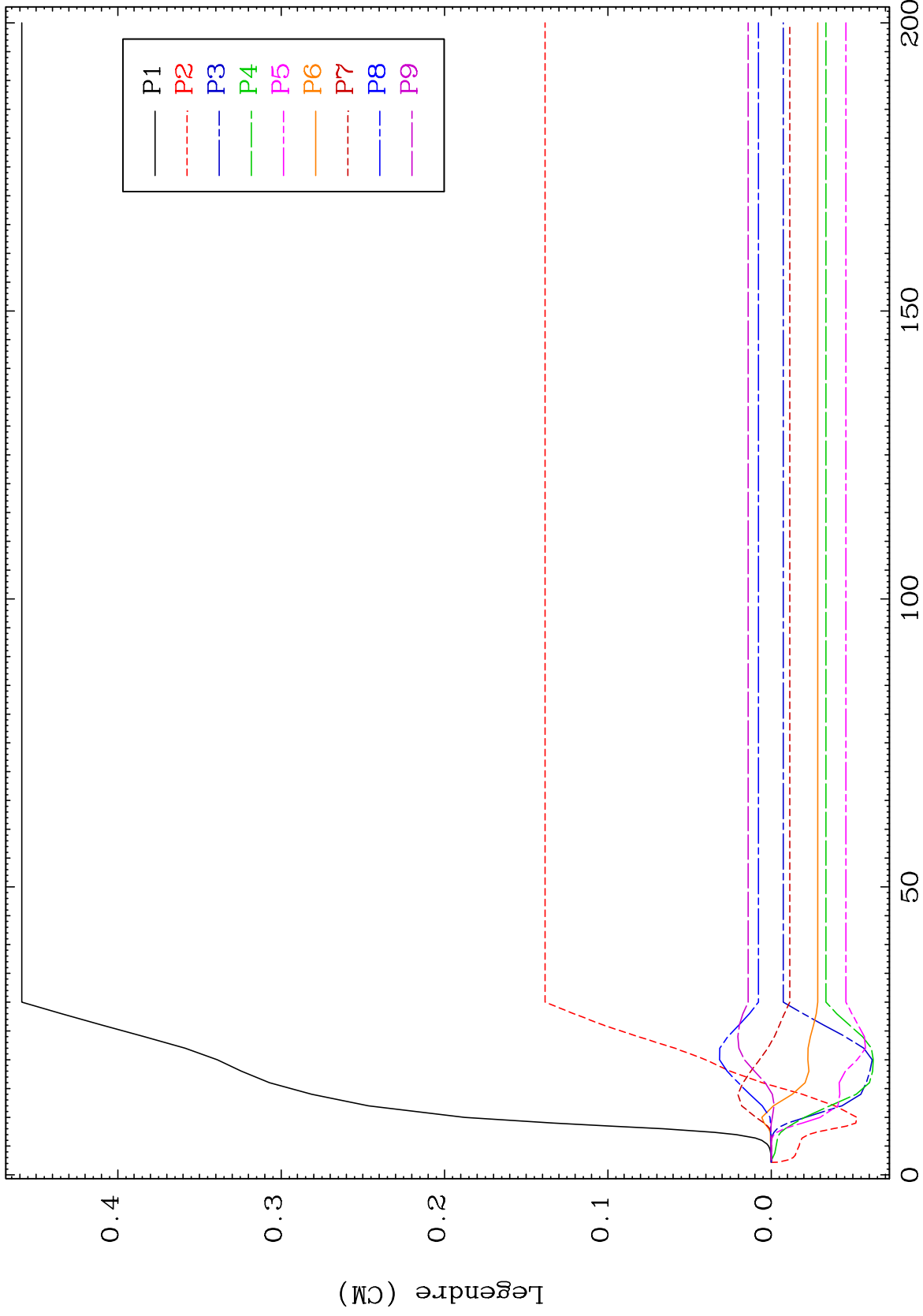
51-Sb-127



MAT 5143

2.140 MeV (n,n') Level  
Legendre Coefficients

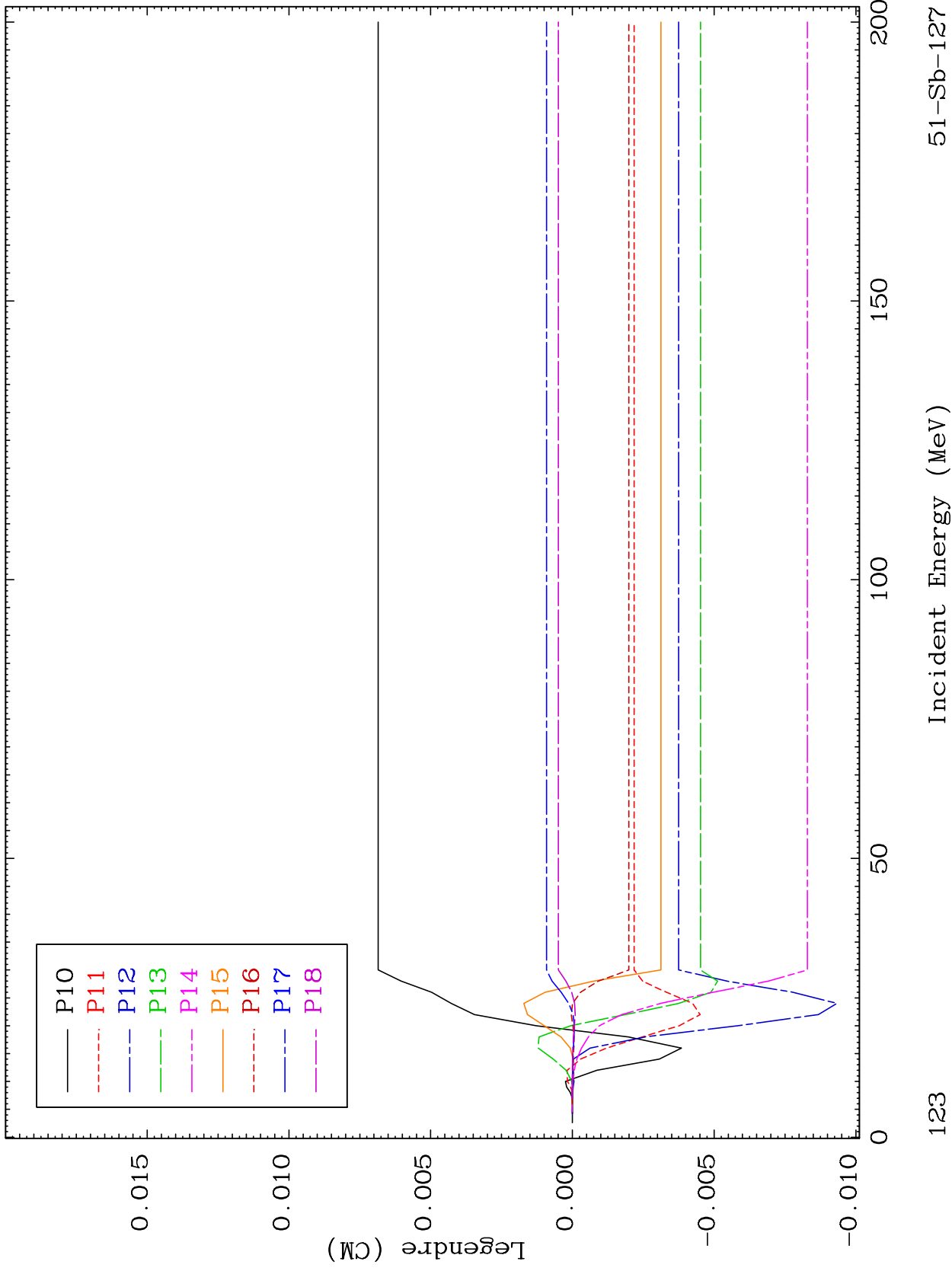
51-Sb-127



51-Sb-127

Incident Energy (MeV)

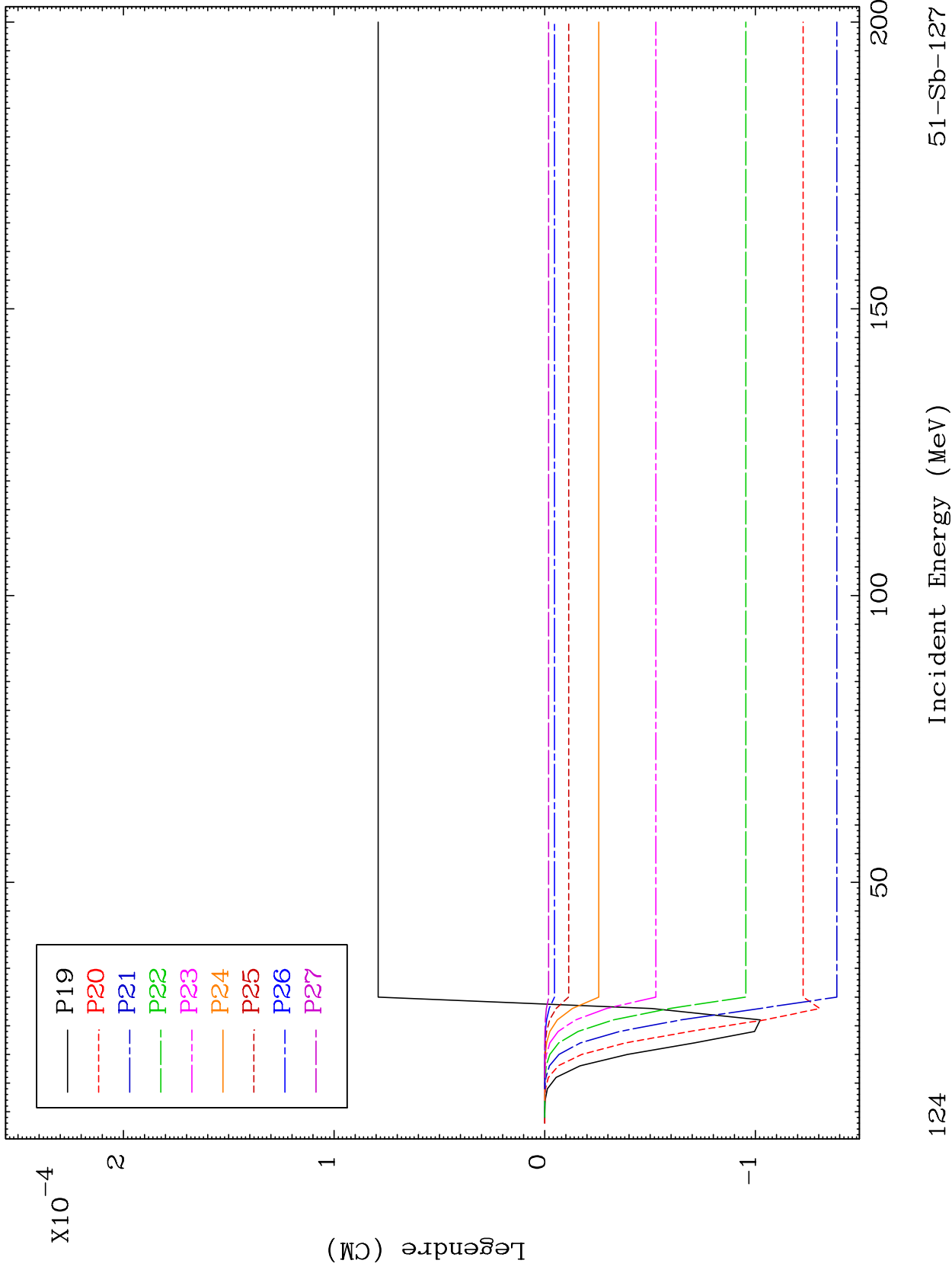
122



MAT 5143

2.140 MeV (n,n') Level  
Legendre Coefficients

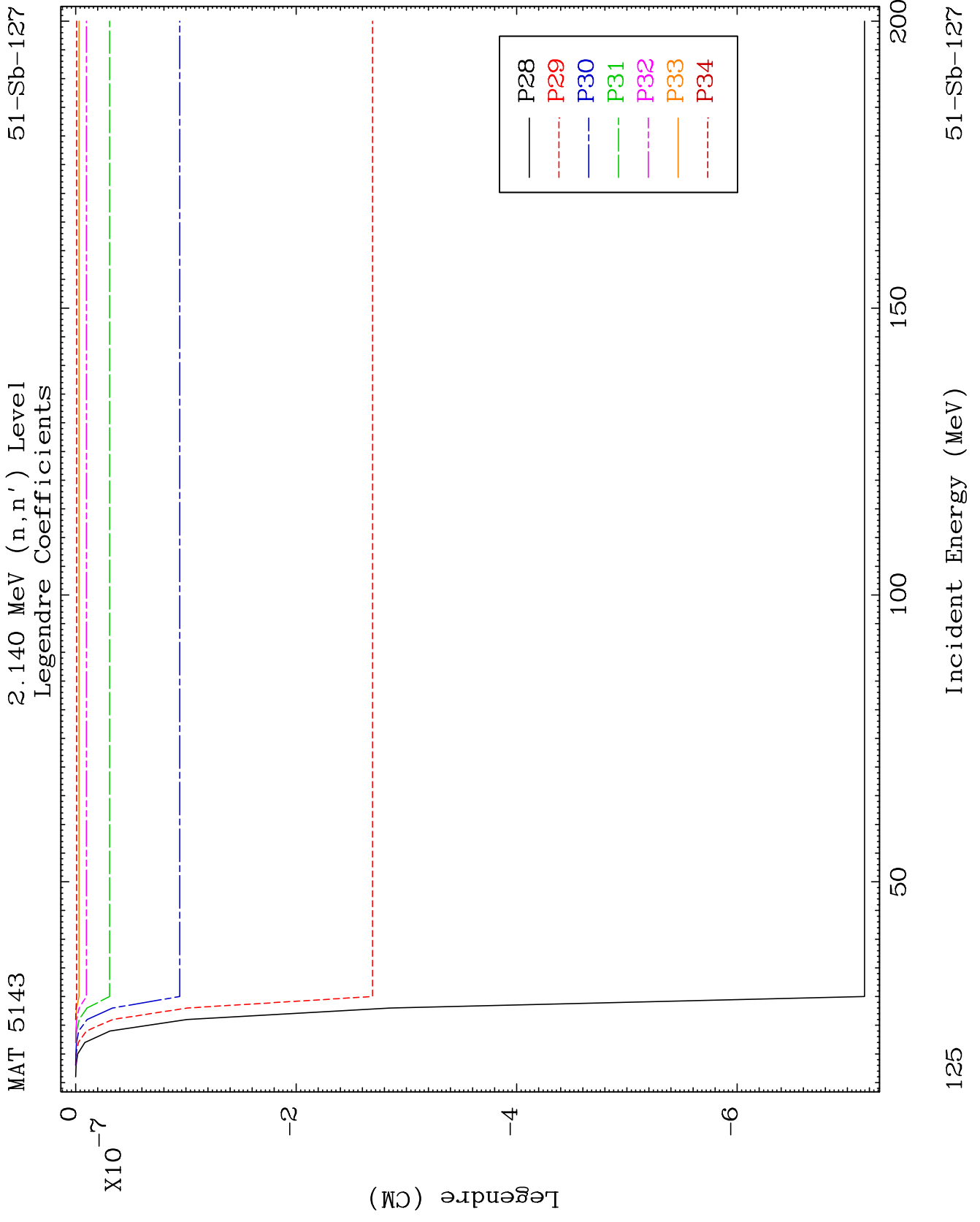
51-Sb-127



124

Incident Energy (MeV)

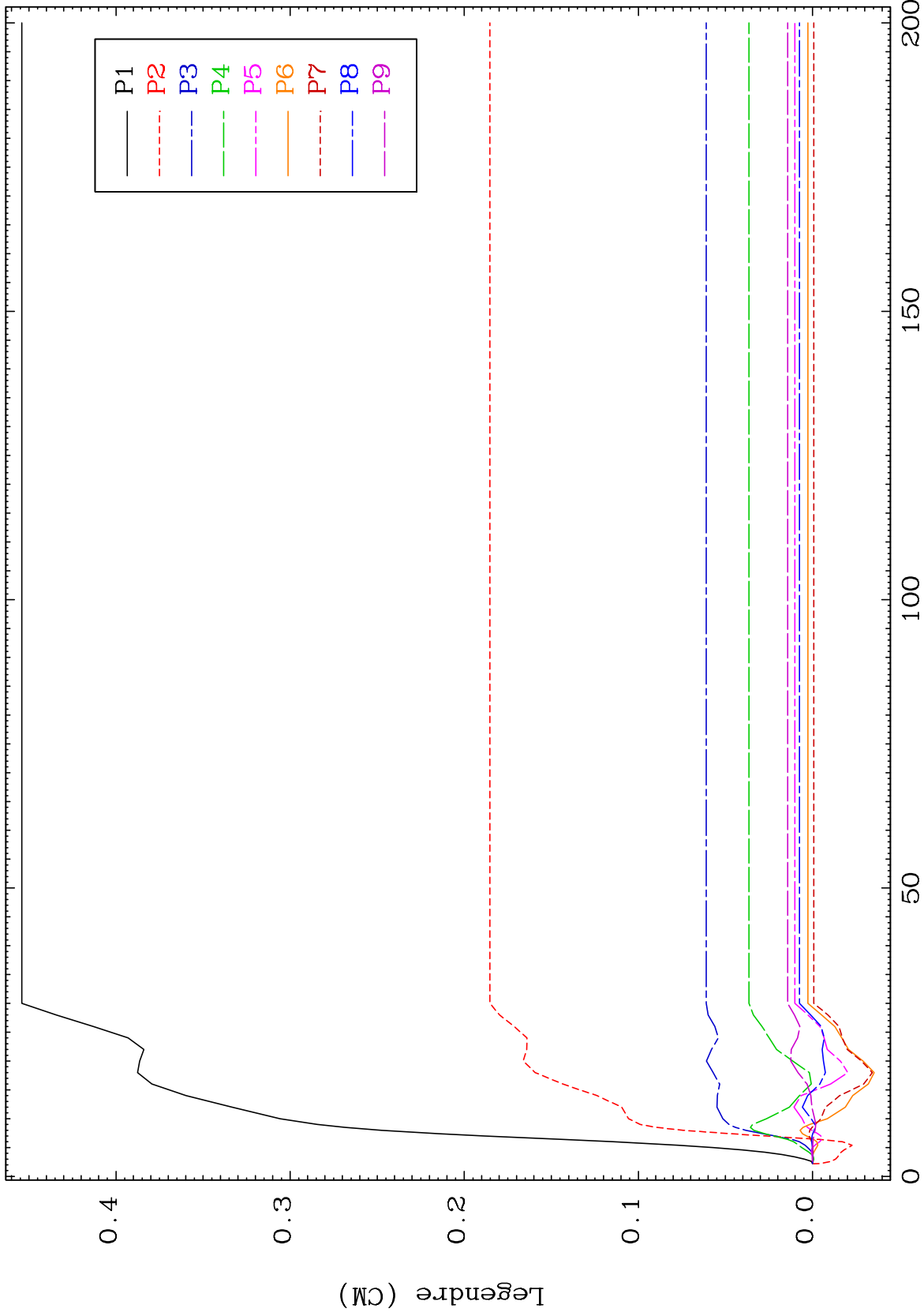
51-Sb-127



MAT 5143

2.150 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



126

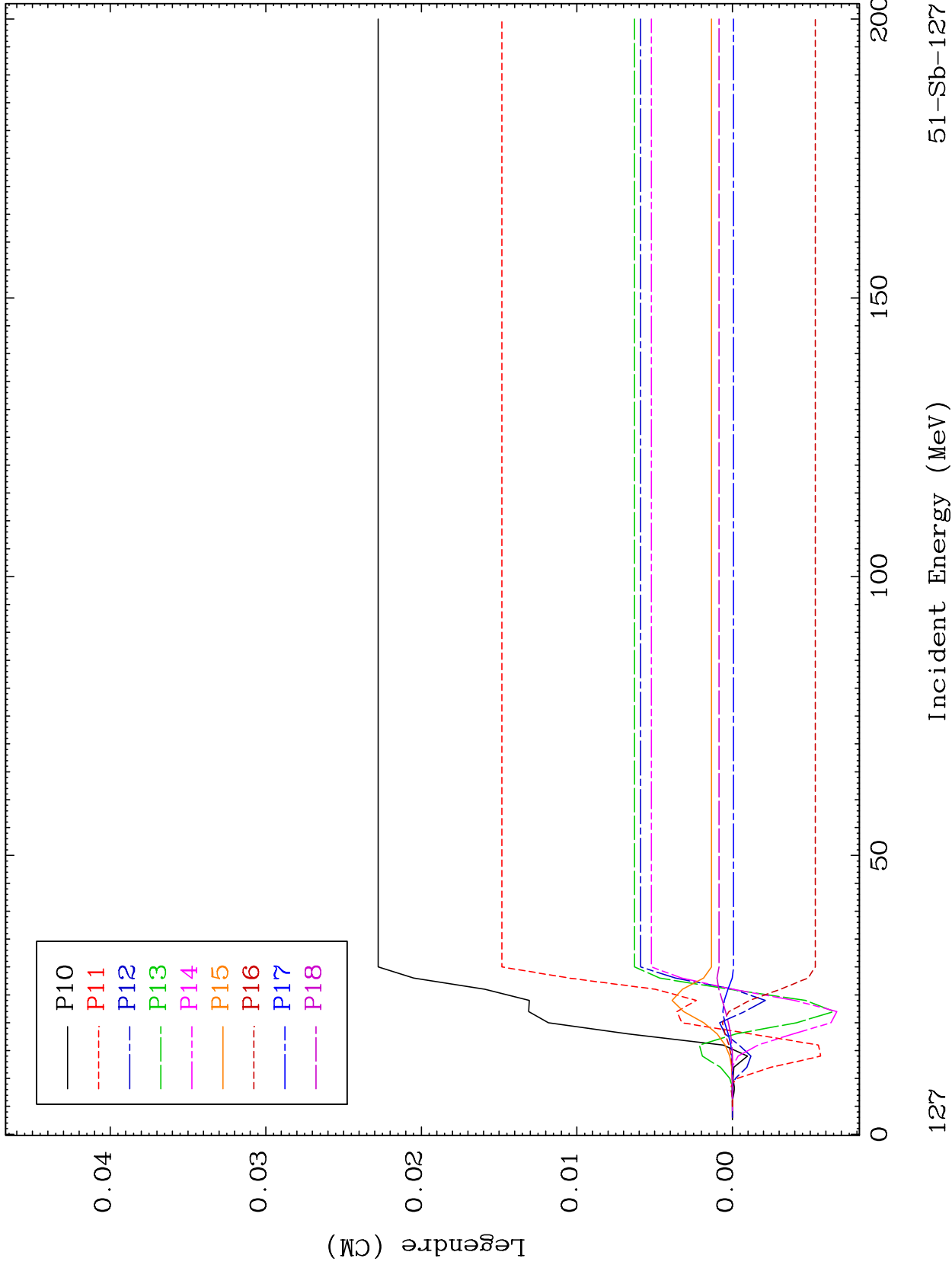
Incident Energy (MeV)

51-Sb-127

MAT 5143

2.150 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127



127

Incident Energy (MeV)

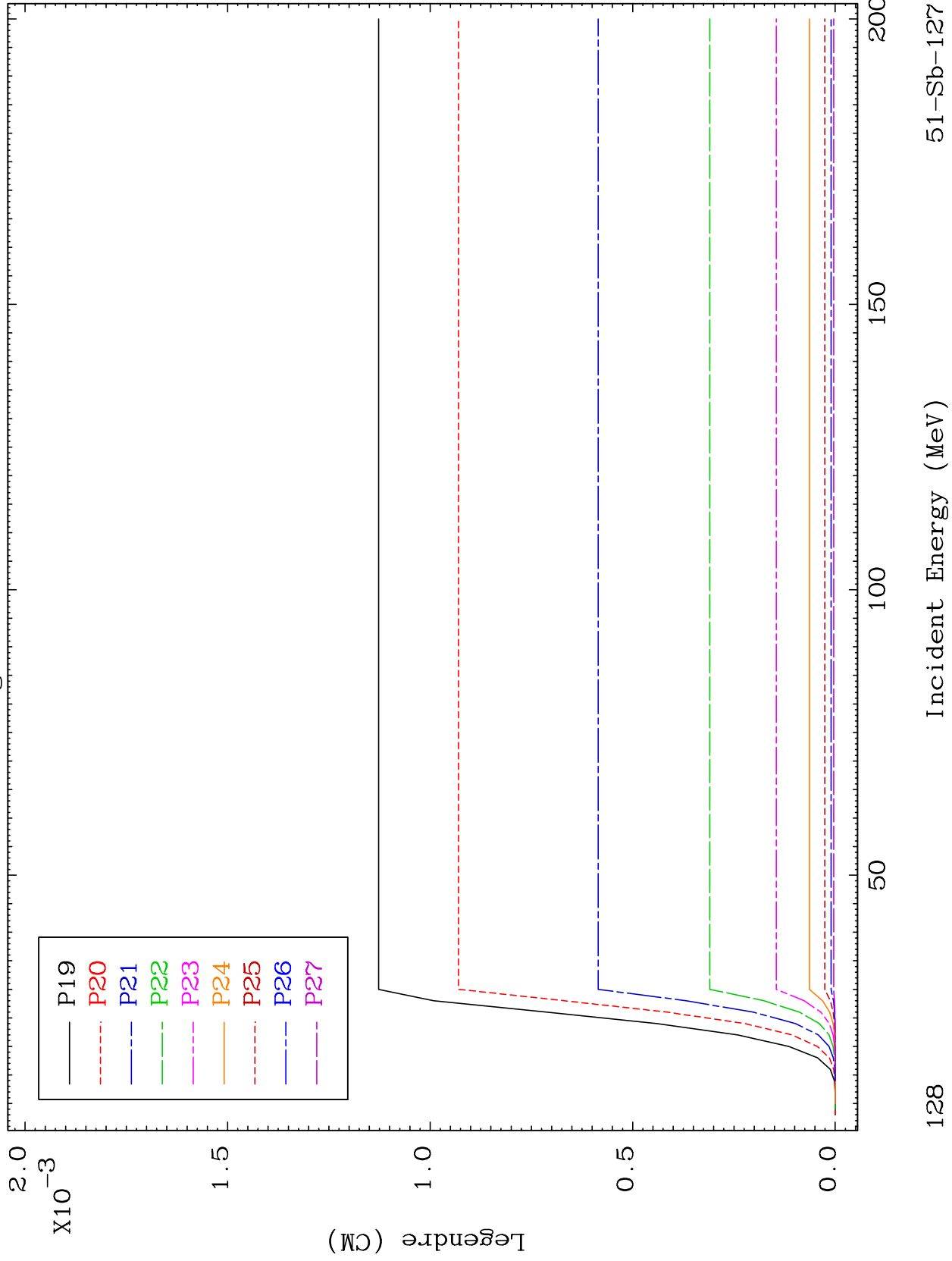
51-Sb-127



MAT 5143

2.150 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127

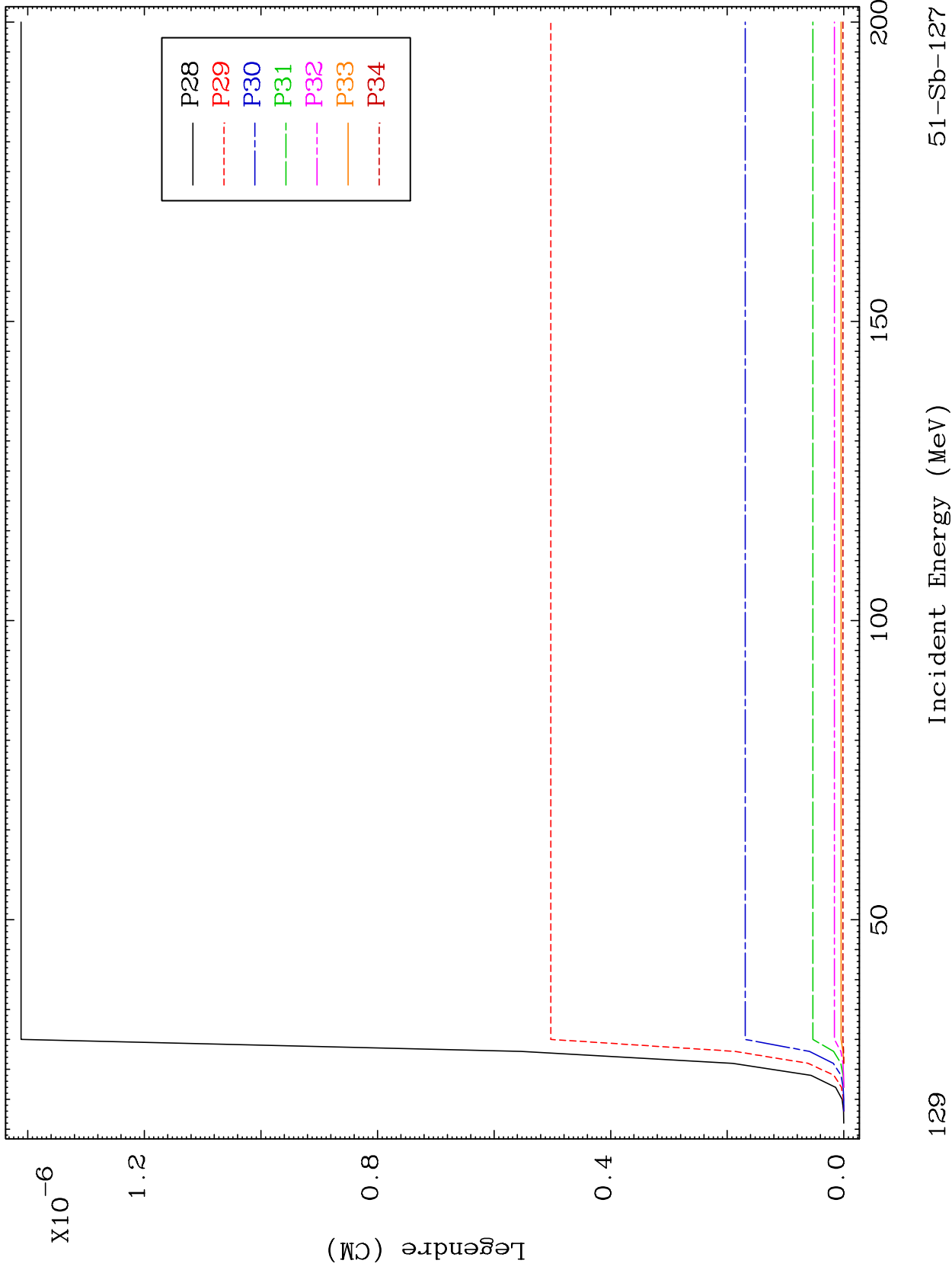


128

MAT 5143

2.150 MeV (n,n') Level  
Legendre Coefficients

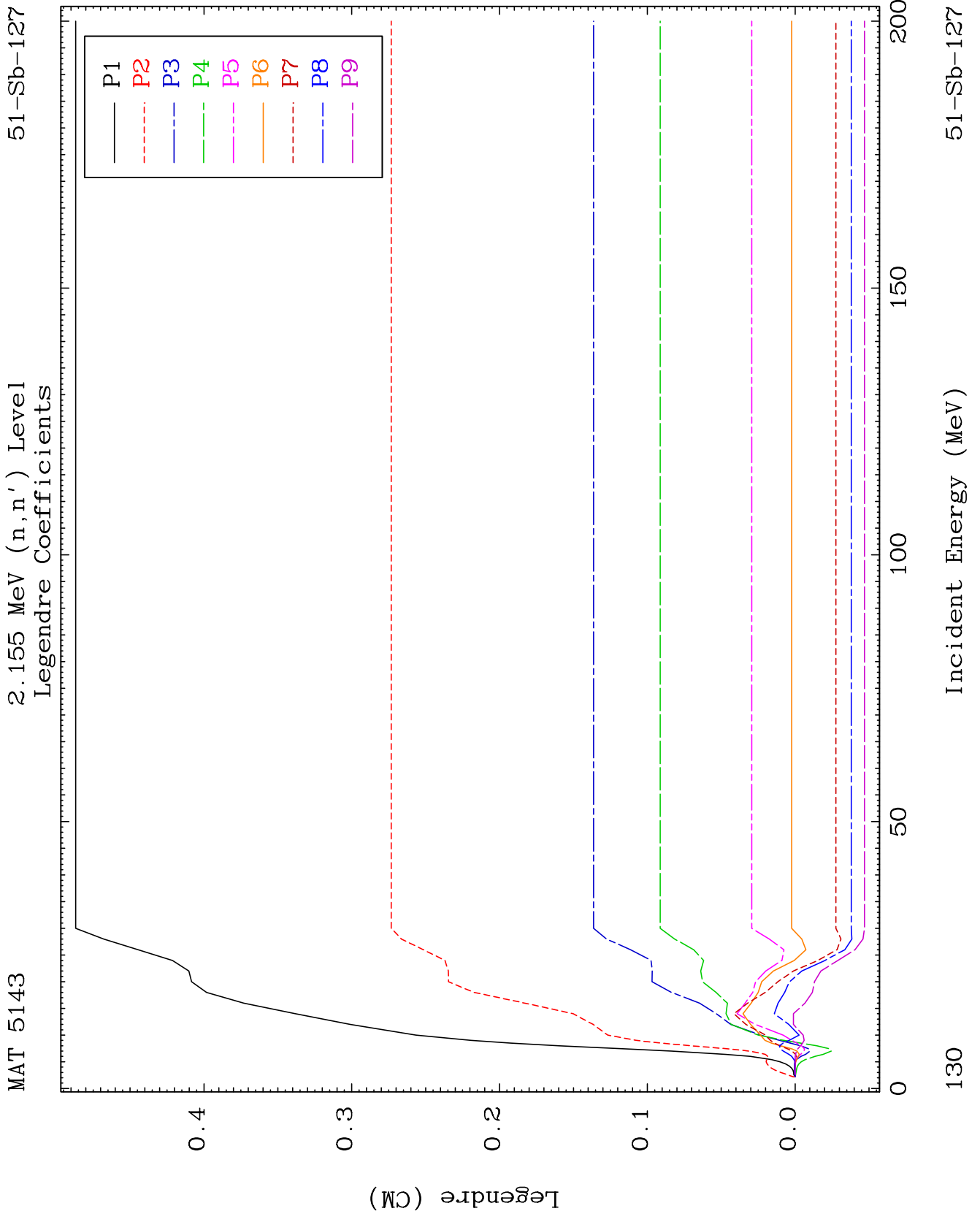
51-Sb-127

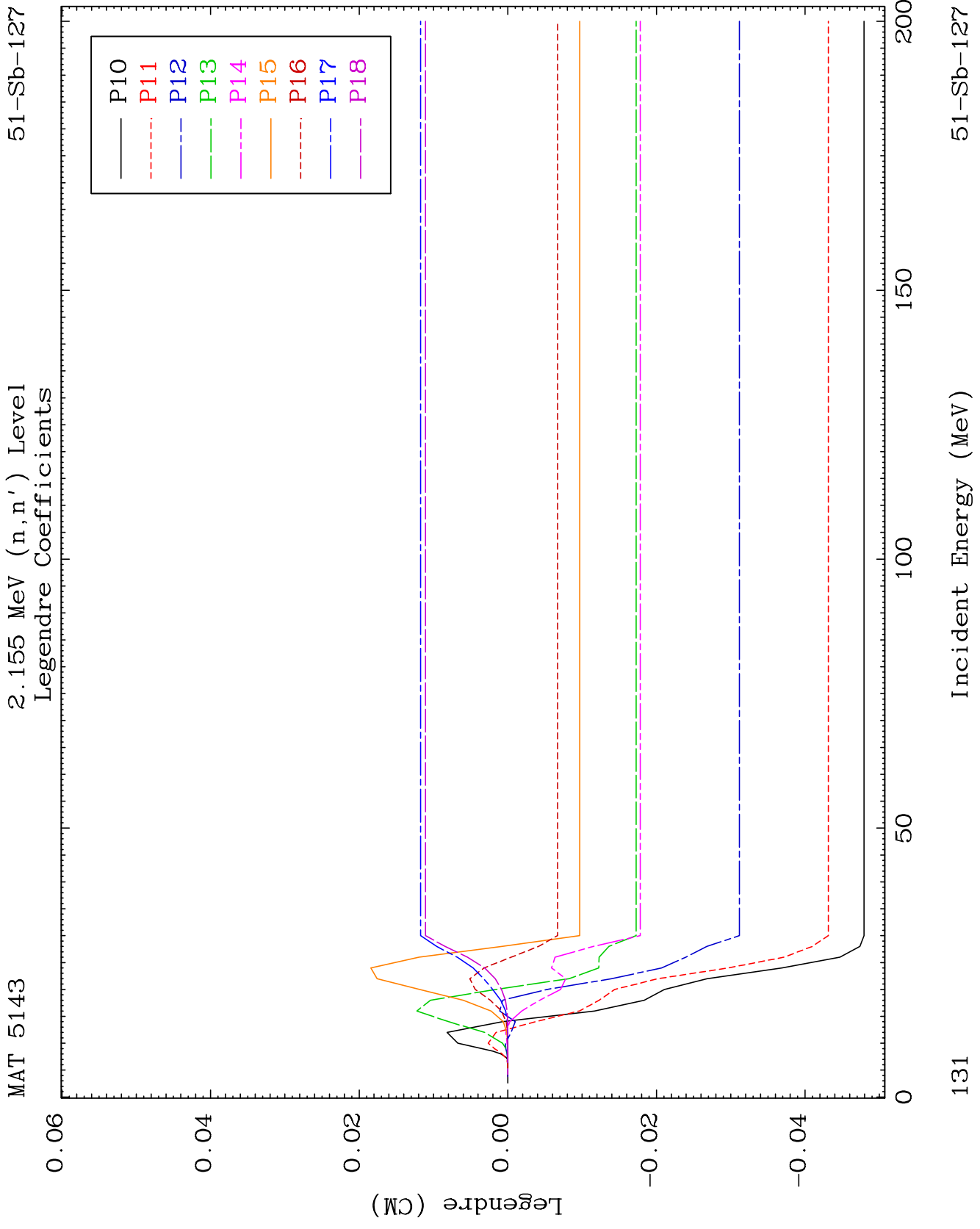


129

Incident Energy (MeV)

51-Sb-127



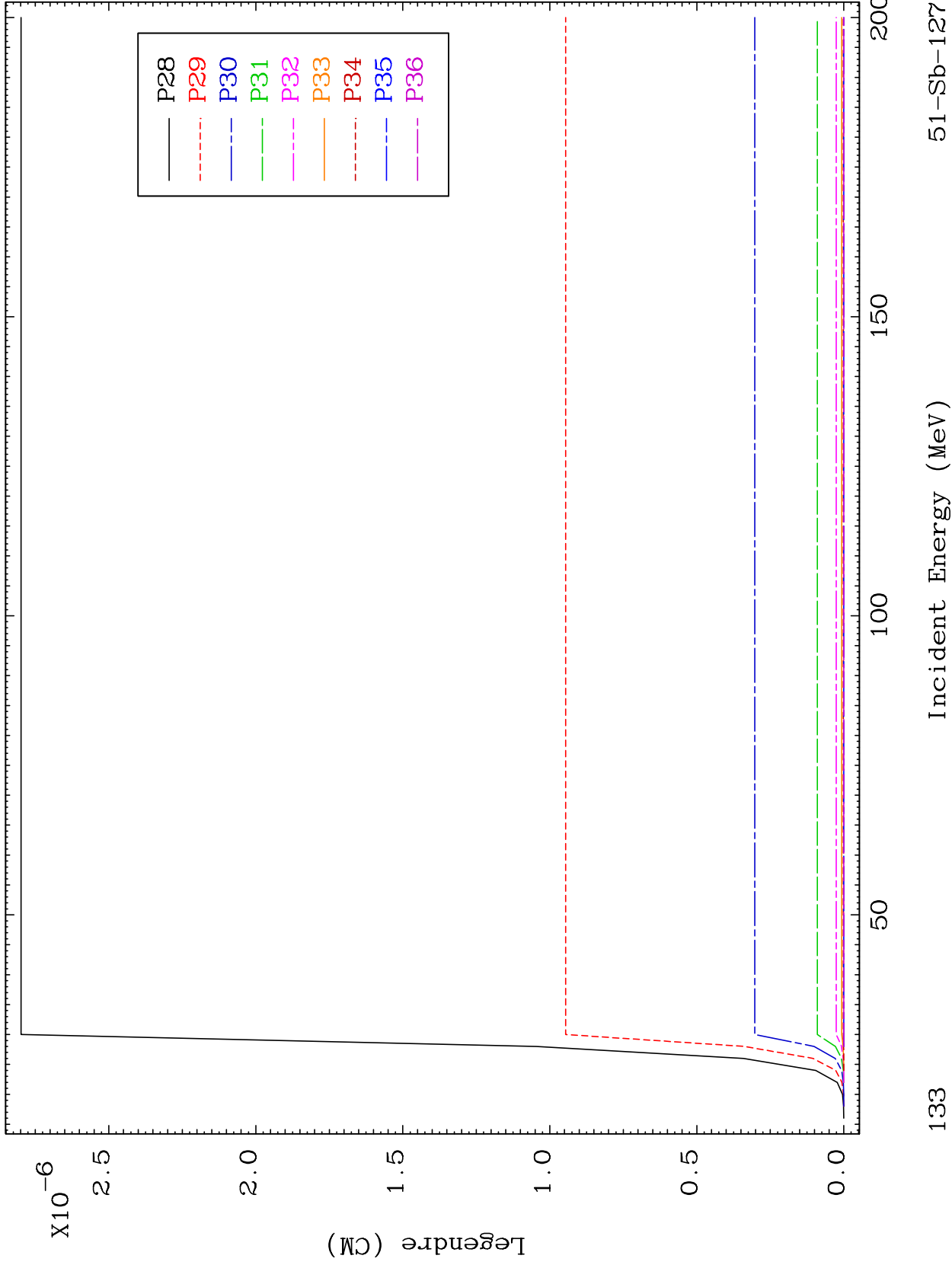




MAT 5143

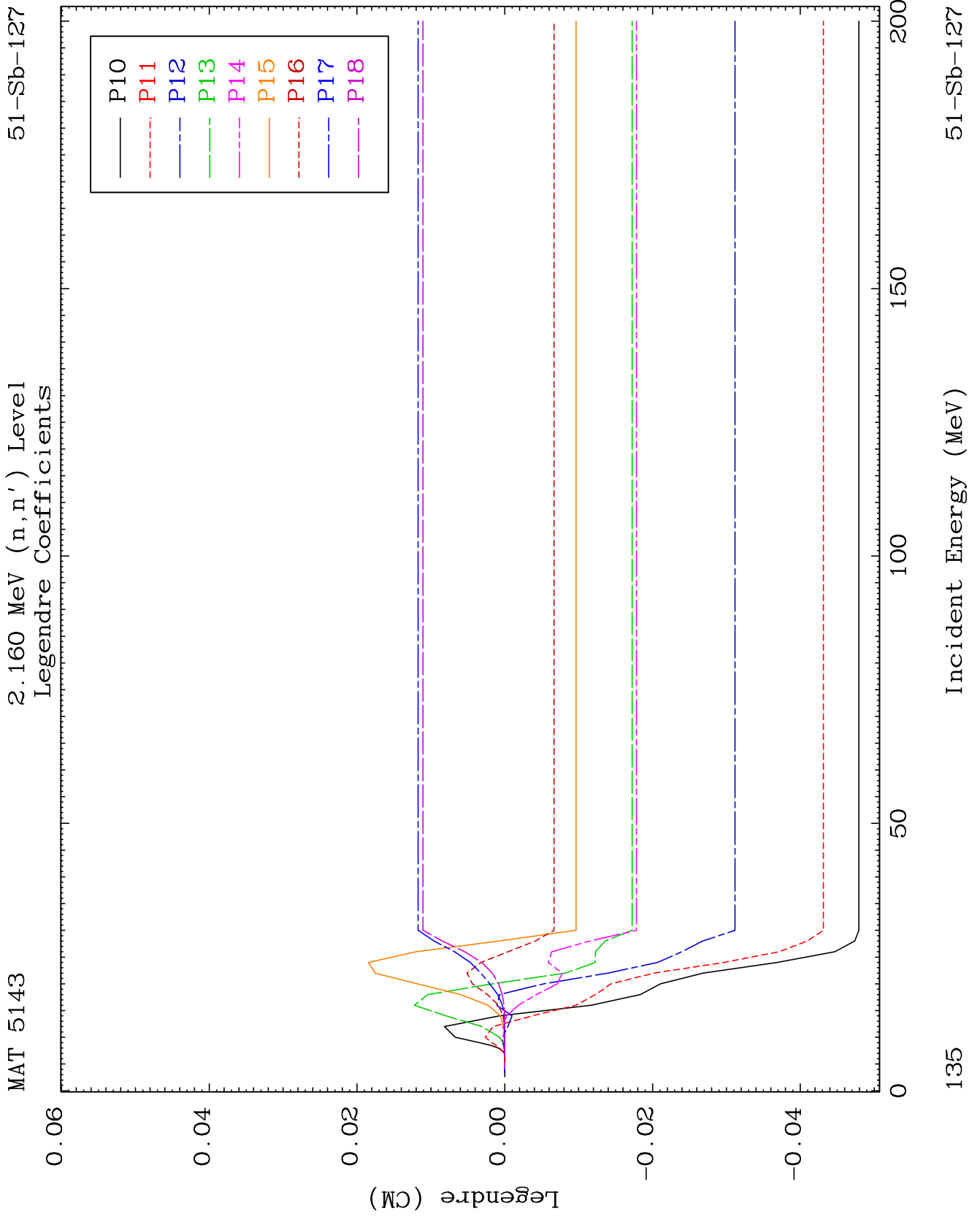
2.155 MeV (n,n') Level  
Legendre Coefficients

51-Sb-127

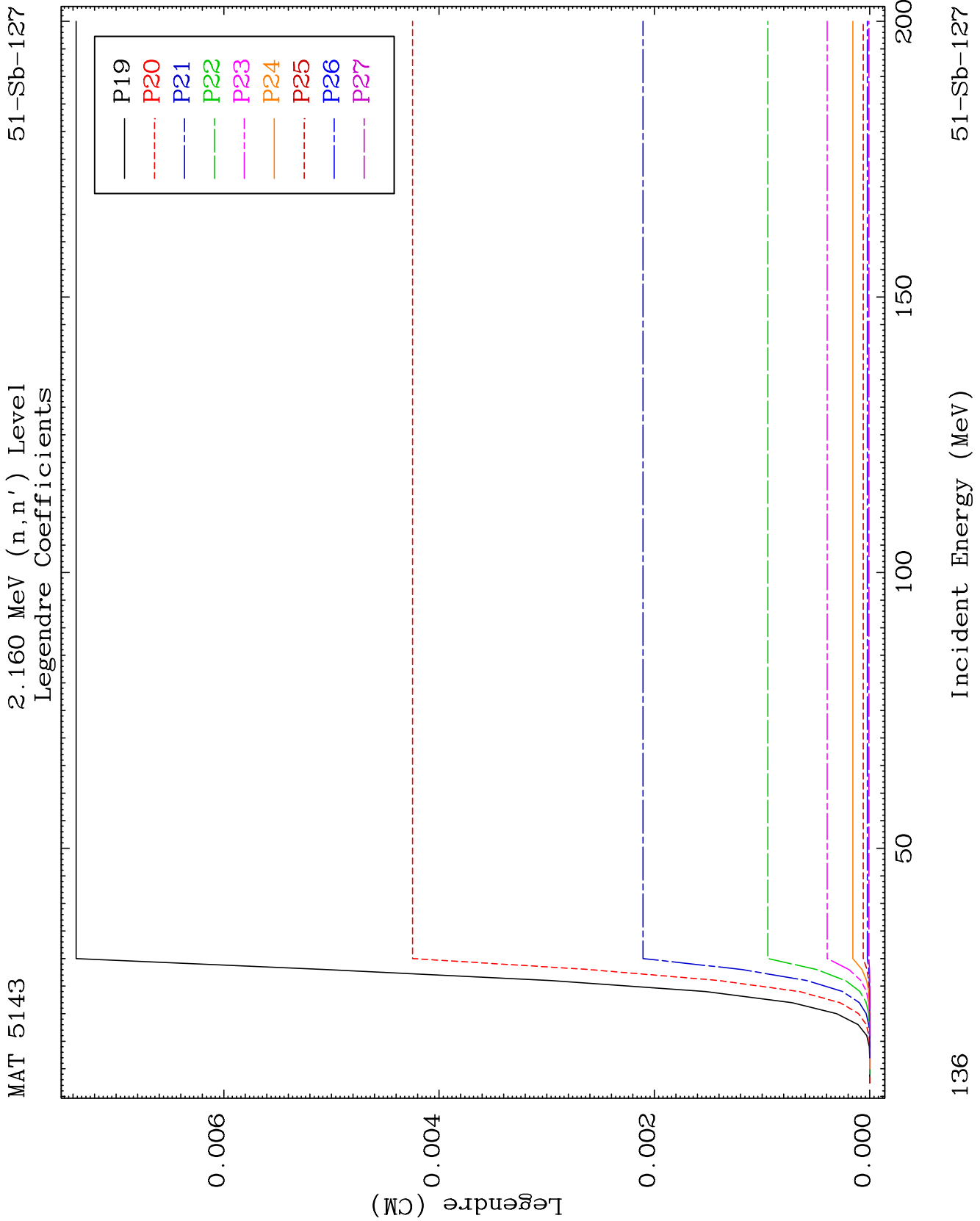


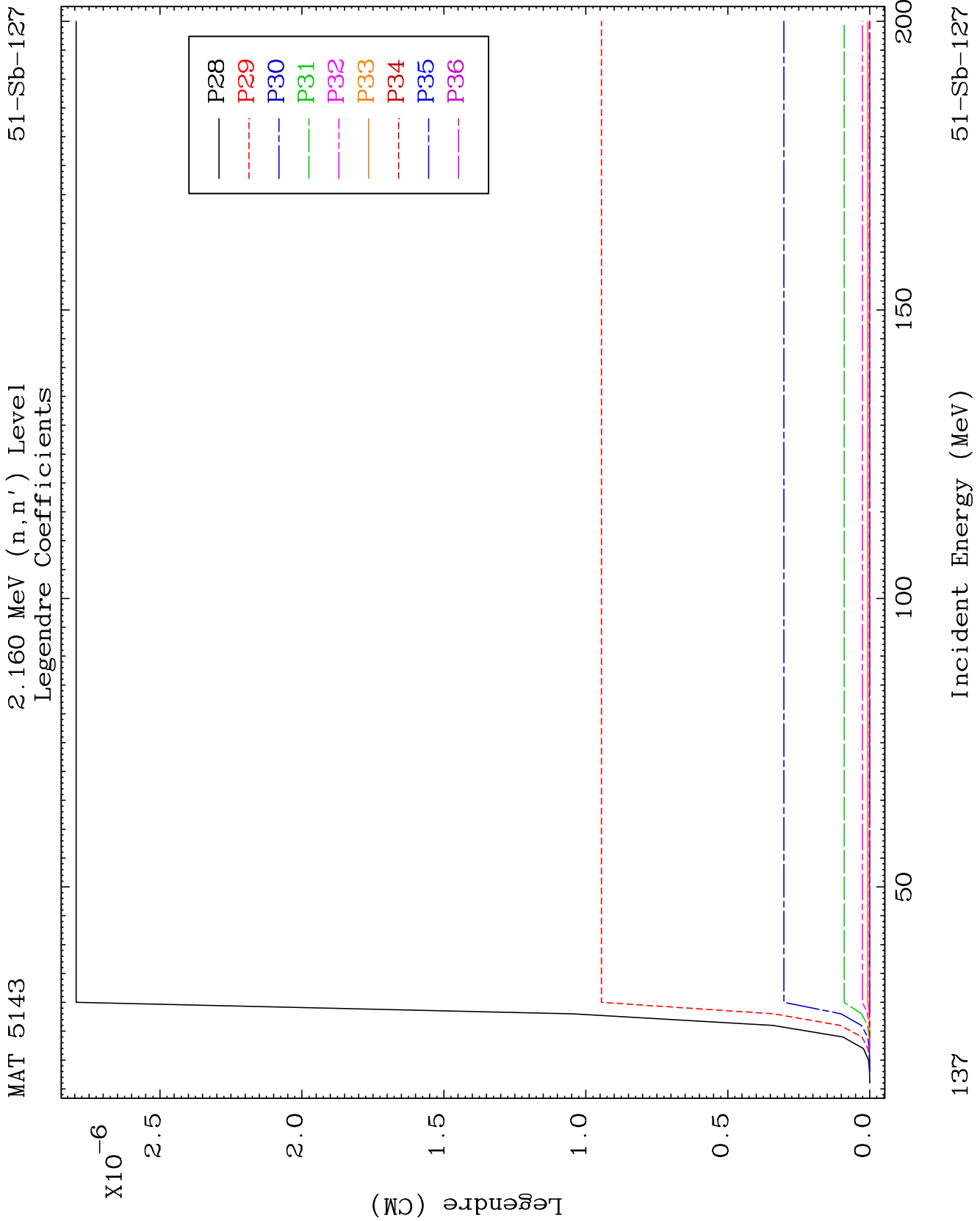
133









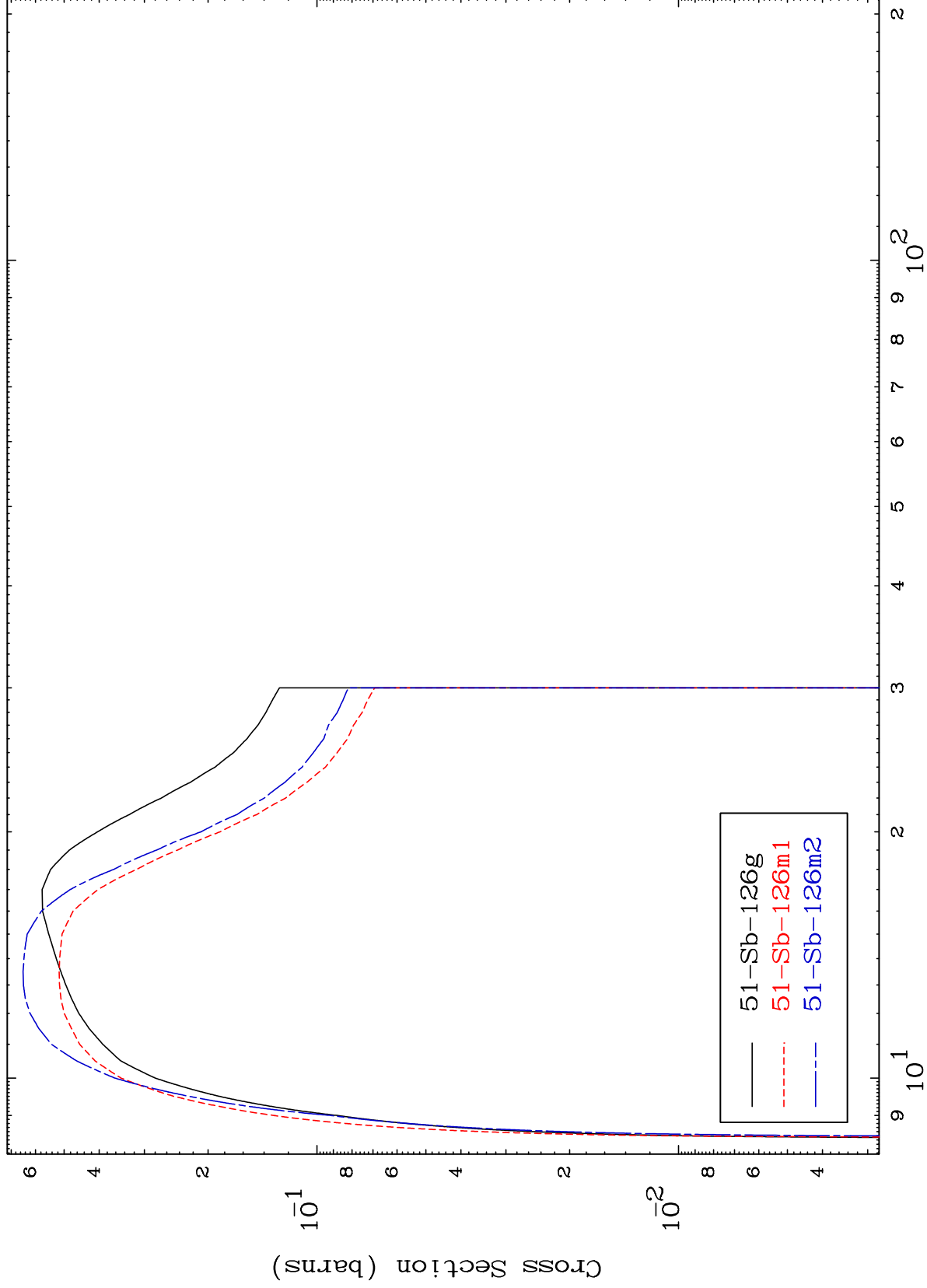


MAT 5143

(n,2n)

51-Sb-127

Radionuclide Production Cross Section



138

Incident Energy (MeV)

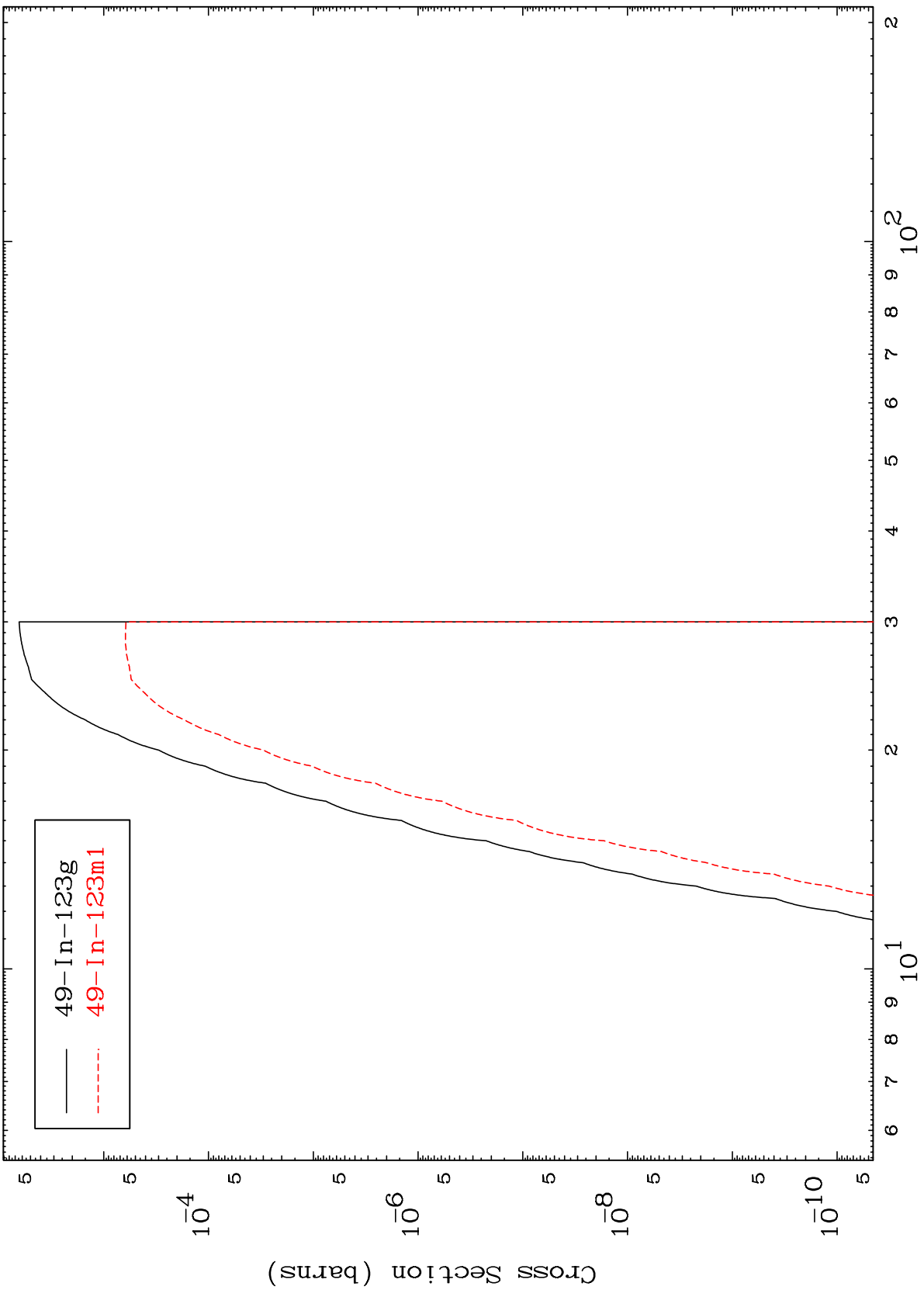
51-Sb-127

MAT 5143

(n,n')  $\alpha$

51-Sb-127

Radionuclide Production Cross Section



139

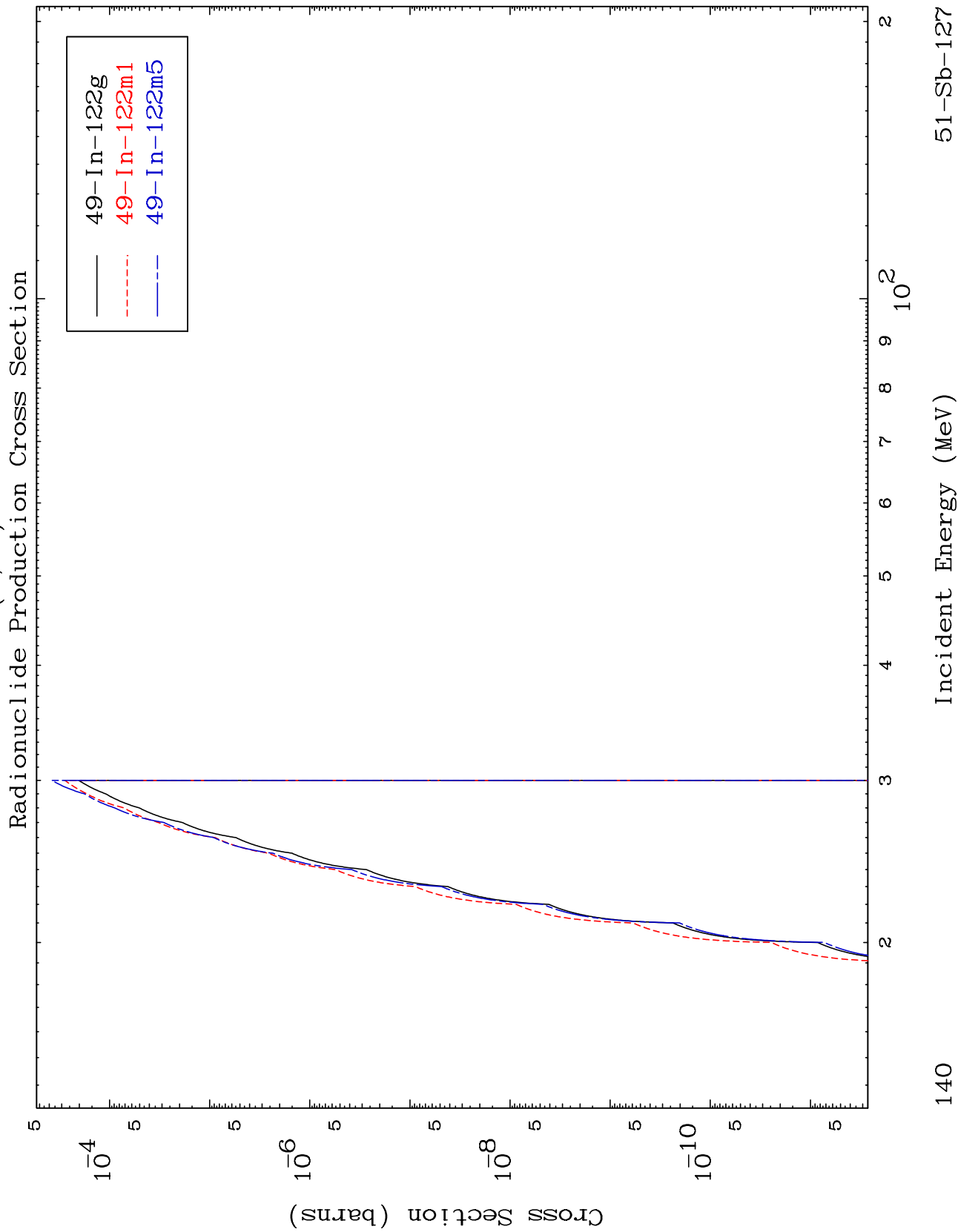
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,2n)  $\alpha$

51-Sb-127



140

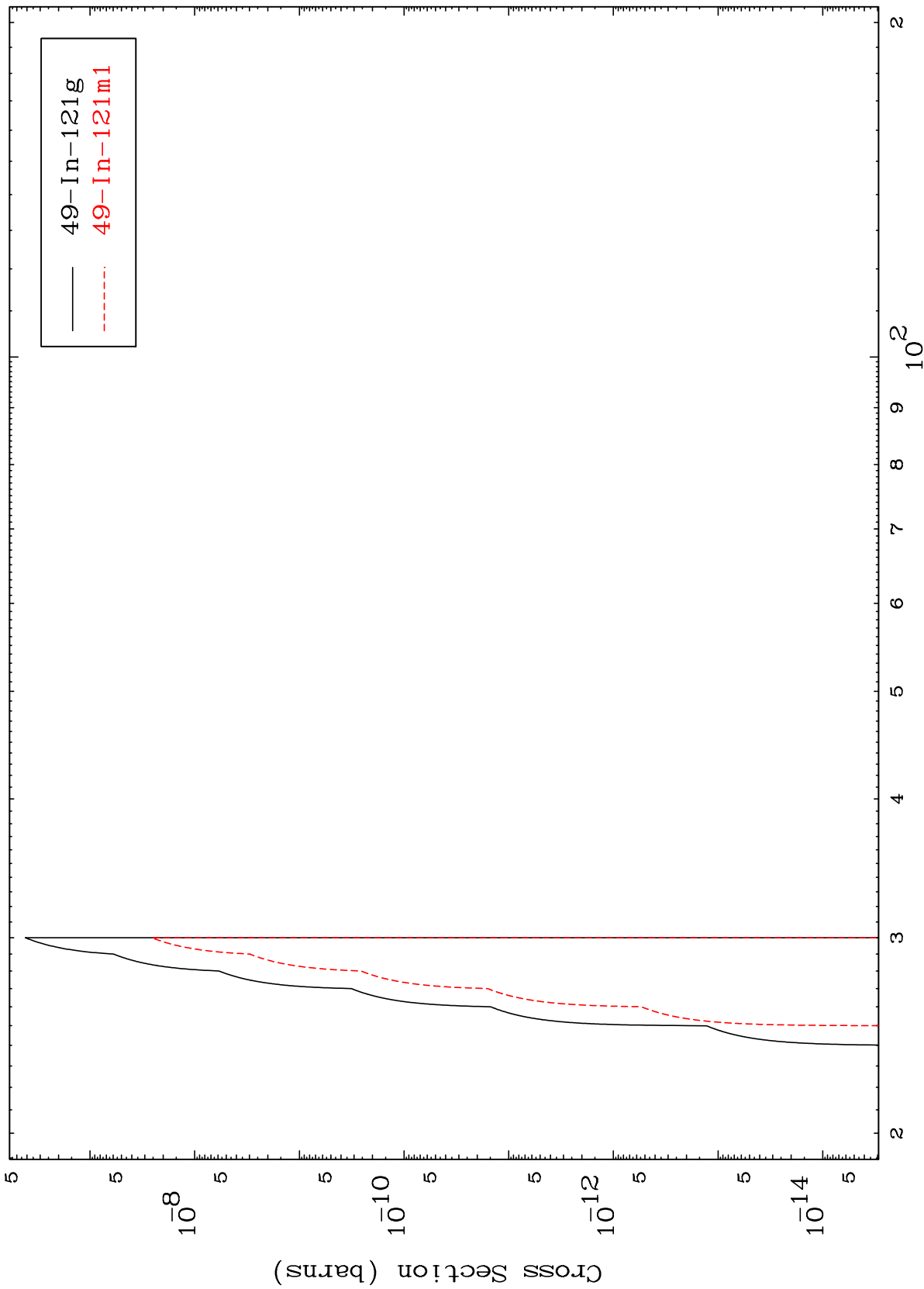
51-Sb-127

MAT 5143

(n,3n)  $\alpha$

51-Sb-127

Radionuclide Production Cross Section

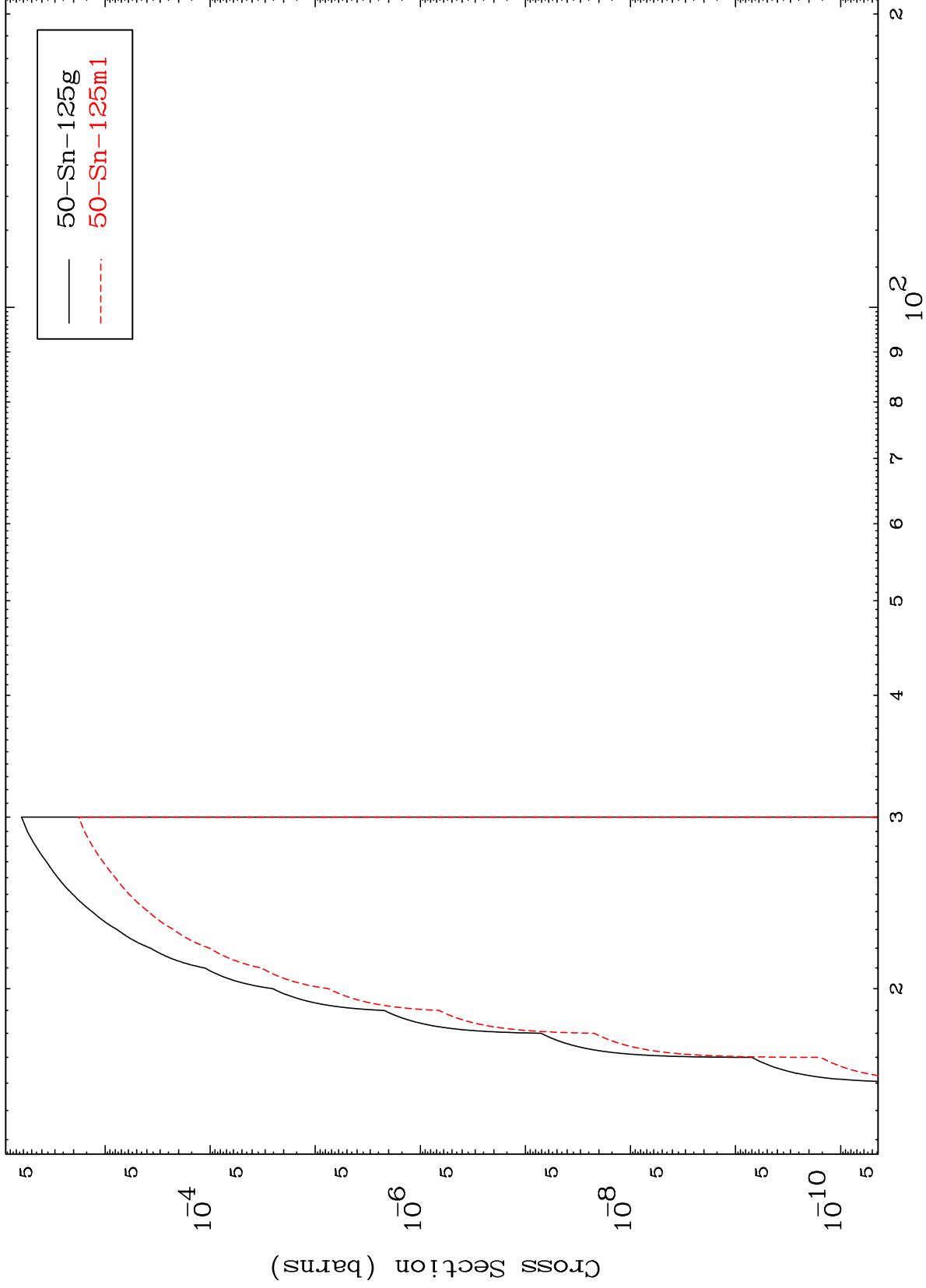


141

Incident Energy (MeV)

51-Sb-127

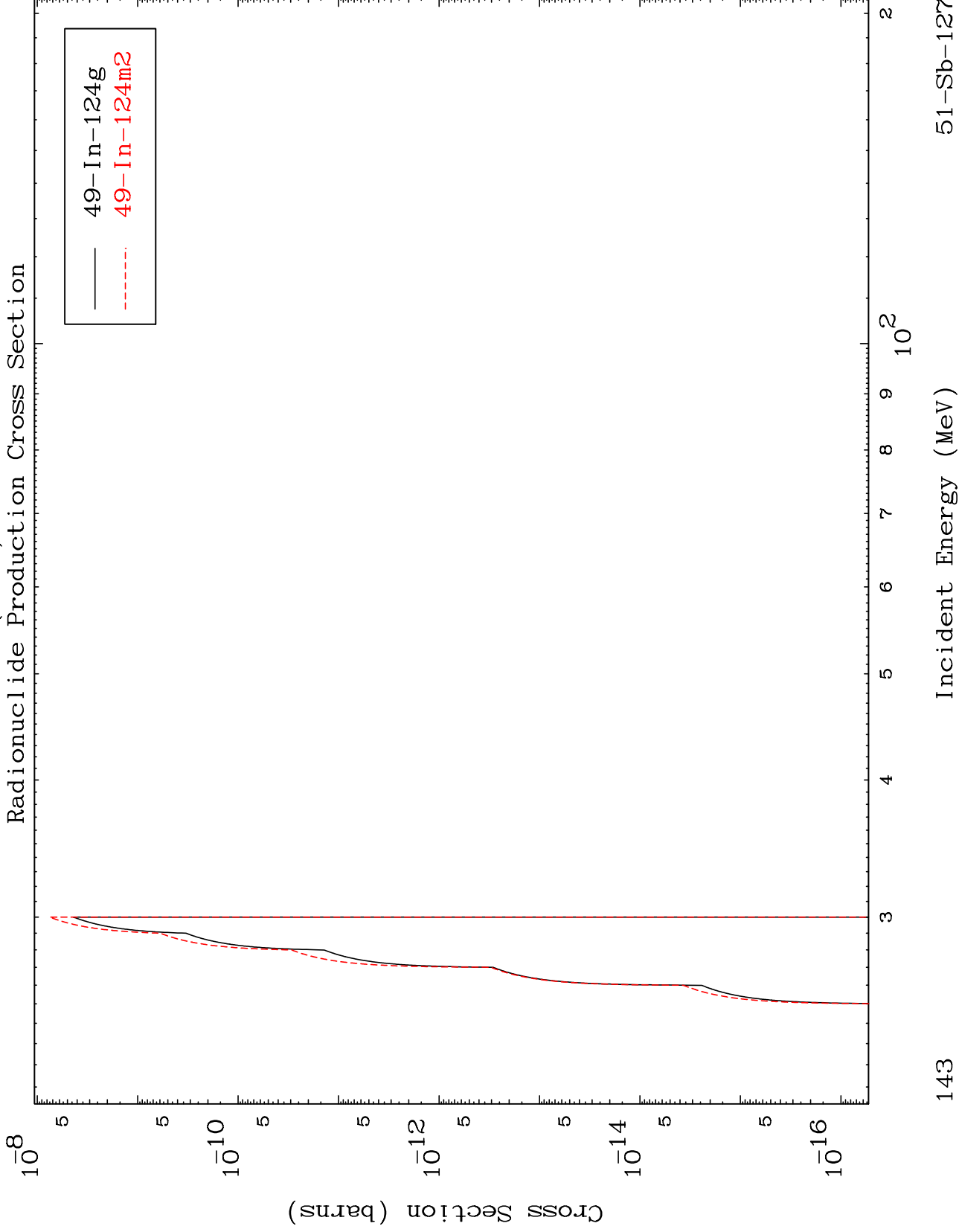
Radionuclide Production Cross Section



MAT 5143

(n,n') He-3

51-Sb-127

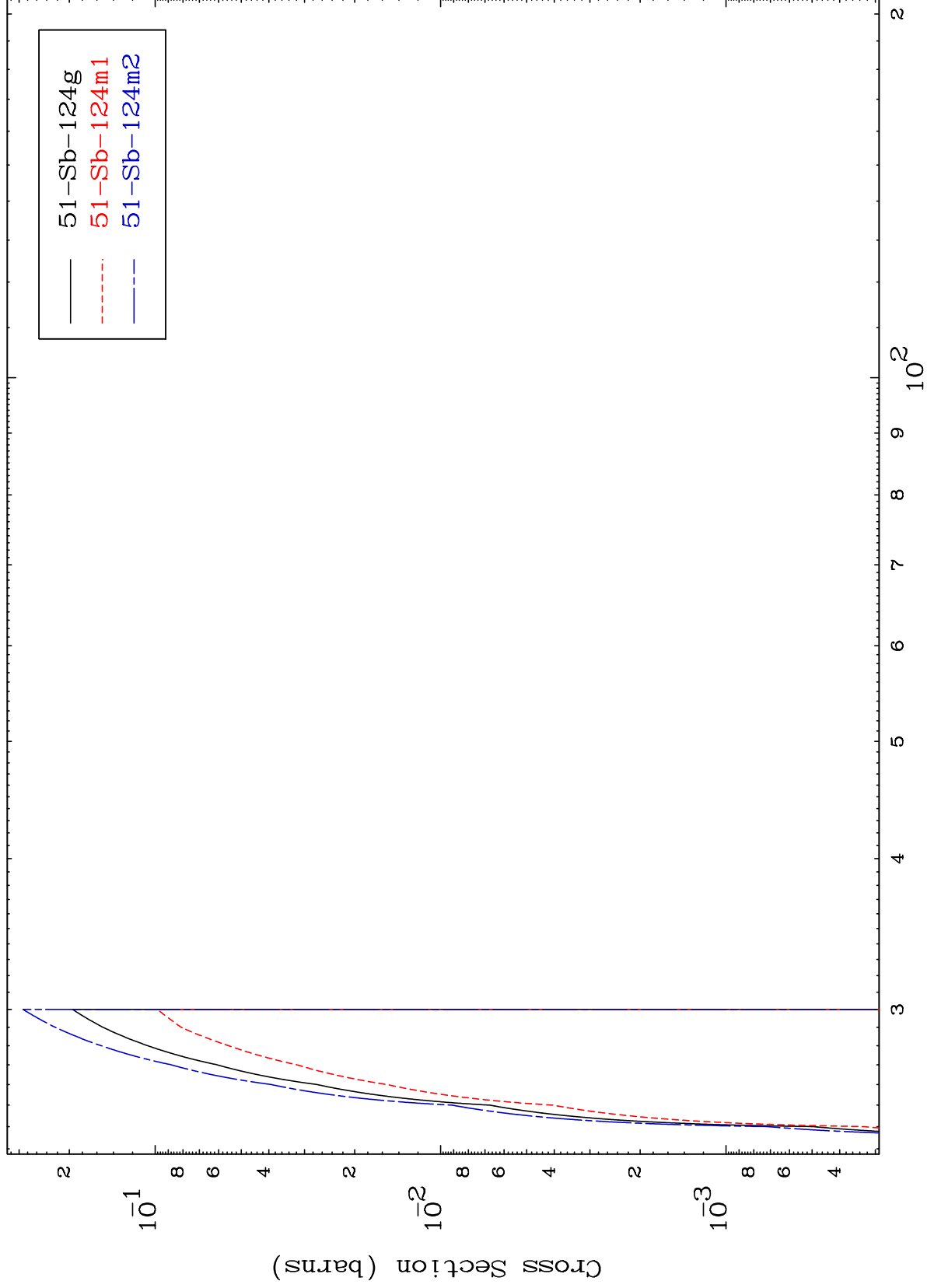


143

51-Sb-127



Radionuclide Production Cross Section

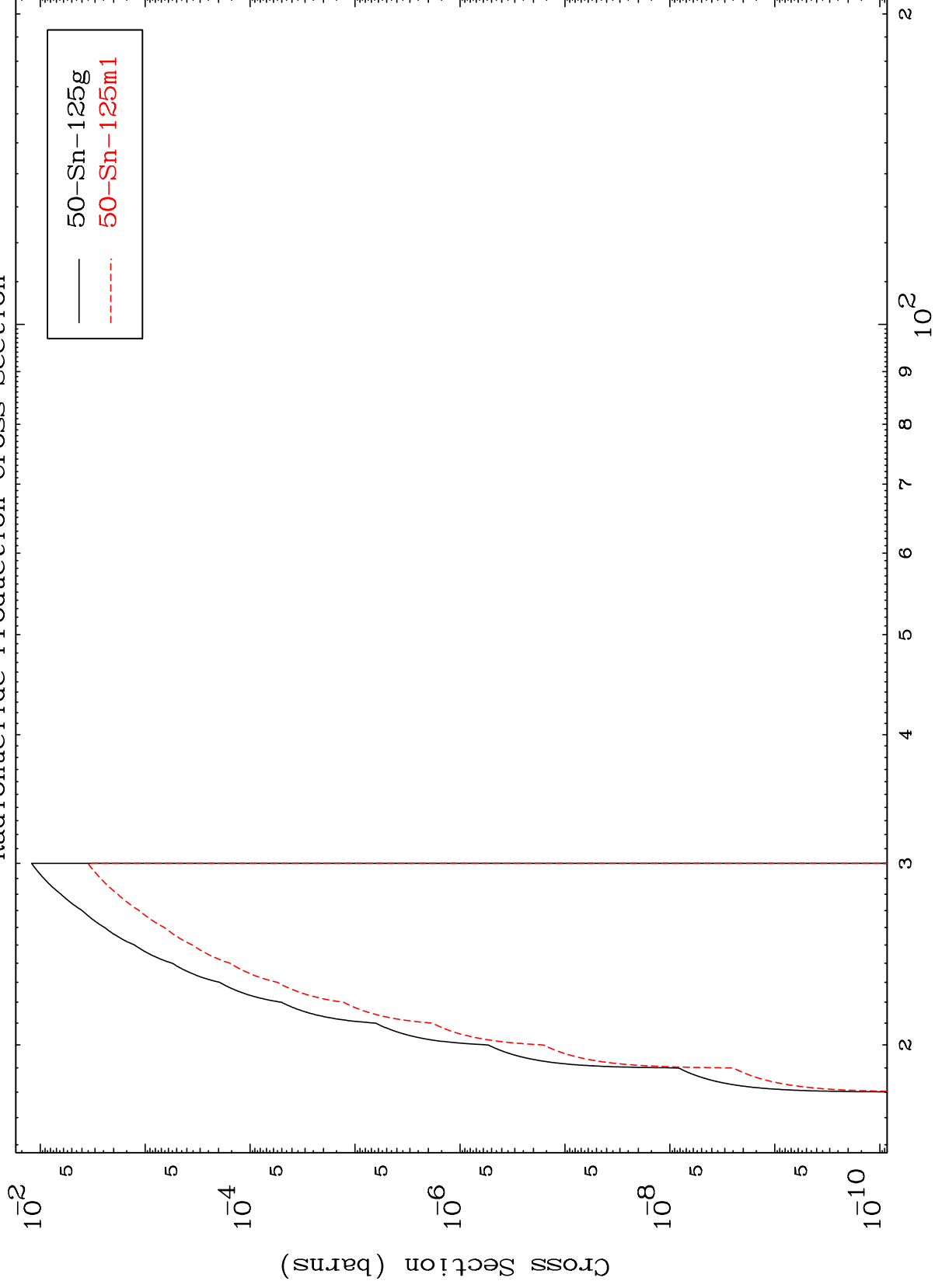


MAT 5143

(n,2n) p

51-Sb-127

Radionuclide Production Cross Section



145

Incident Energy (MeV)

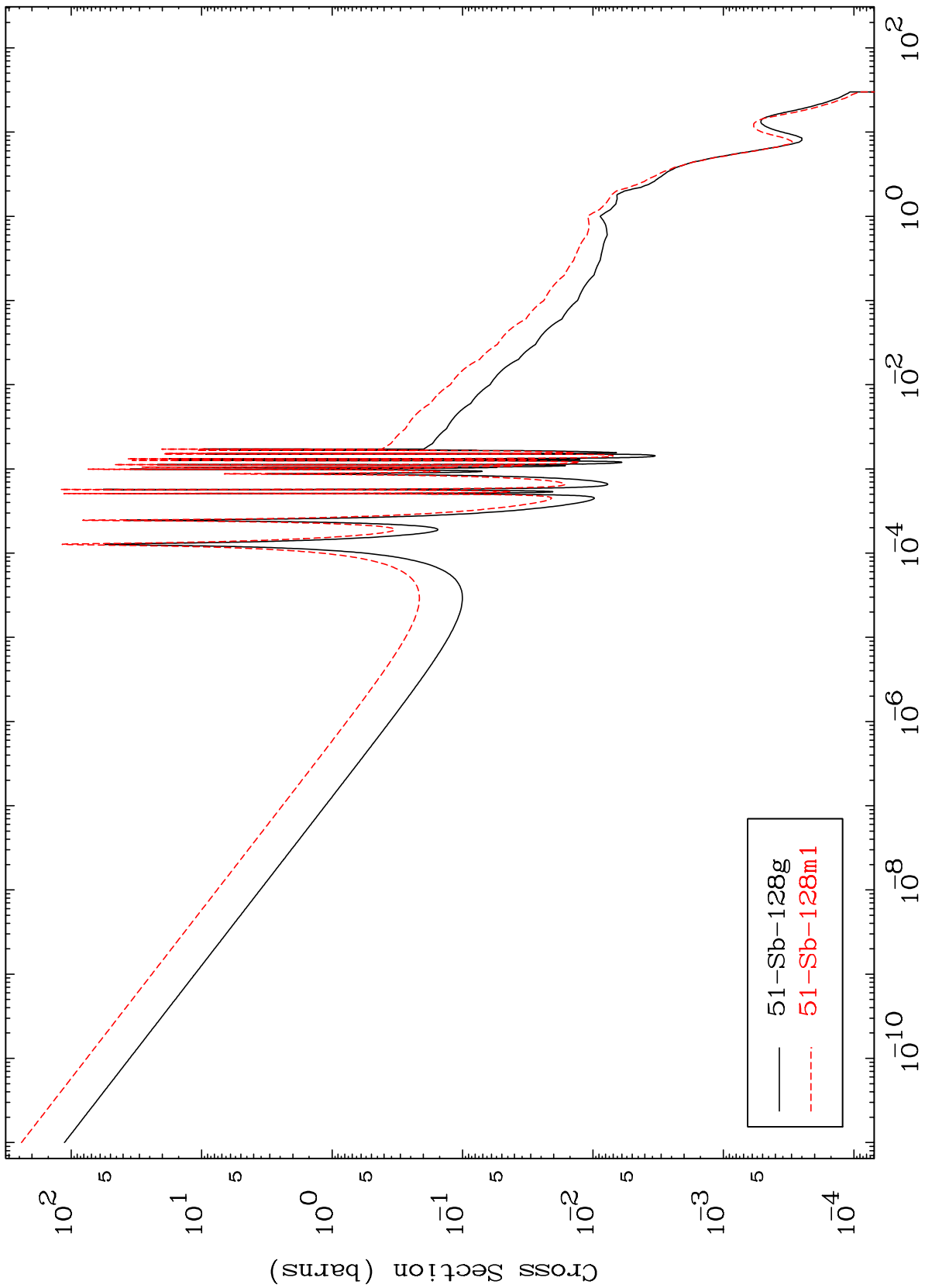
51-Sb-127

MAT 5143

51-Sb-127

Radionuclide Production Cross Section

(n,  $\gamma$ )



51-Sb-127

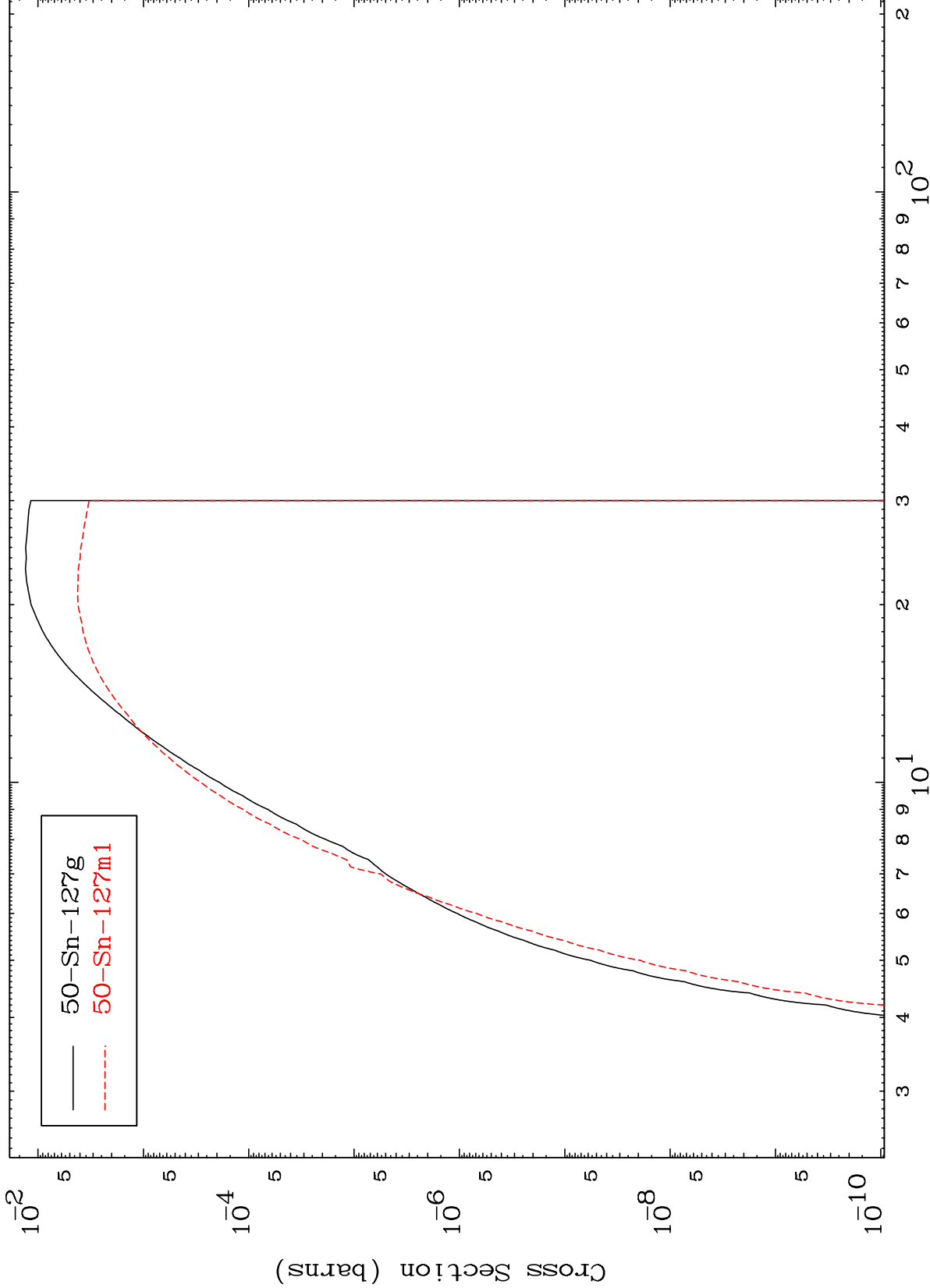
Incident Energy (MeV)

146

MAT 5143

51-Sb-127

(n,p)  
Radionuclide Production Cross Section



— 50-Sn-127g  
- - - 50-Sn-127m1

51-Sb-127

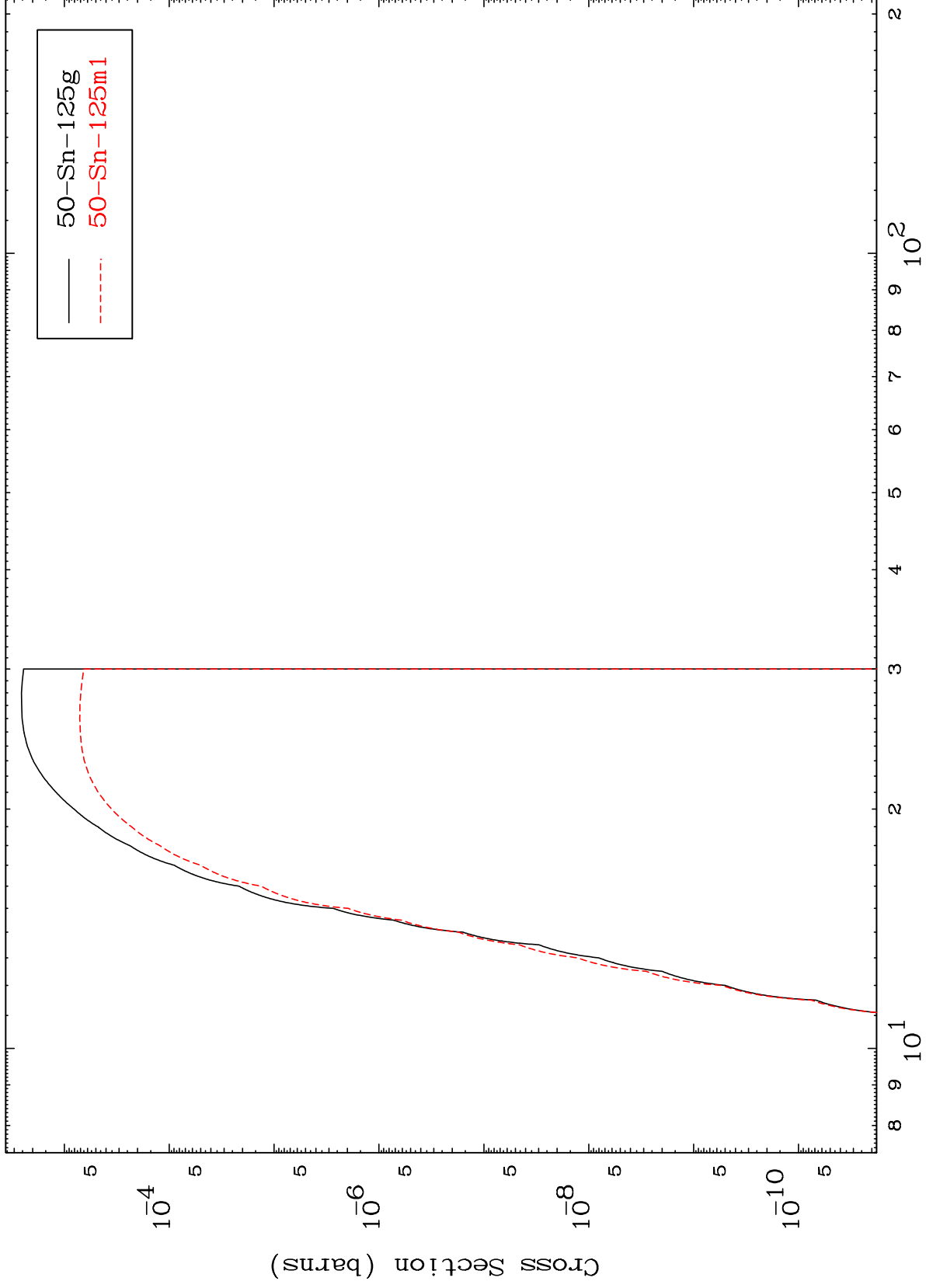
Incident Energy (MeV)

147

MAT 5143

51-Sb-127

(n,t)  
Radionuclide Production Cross Section

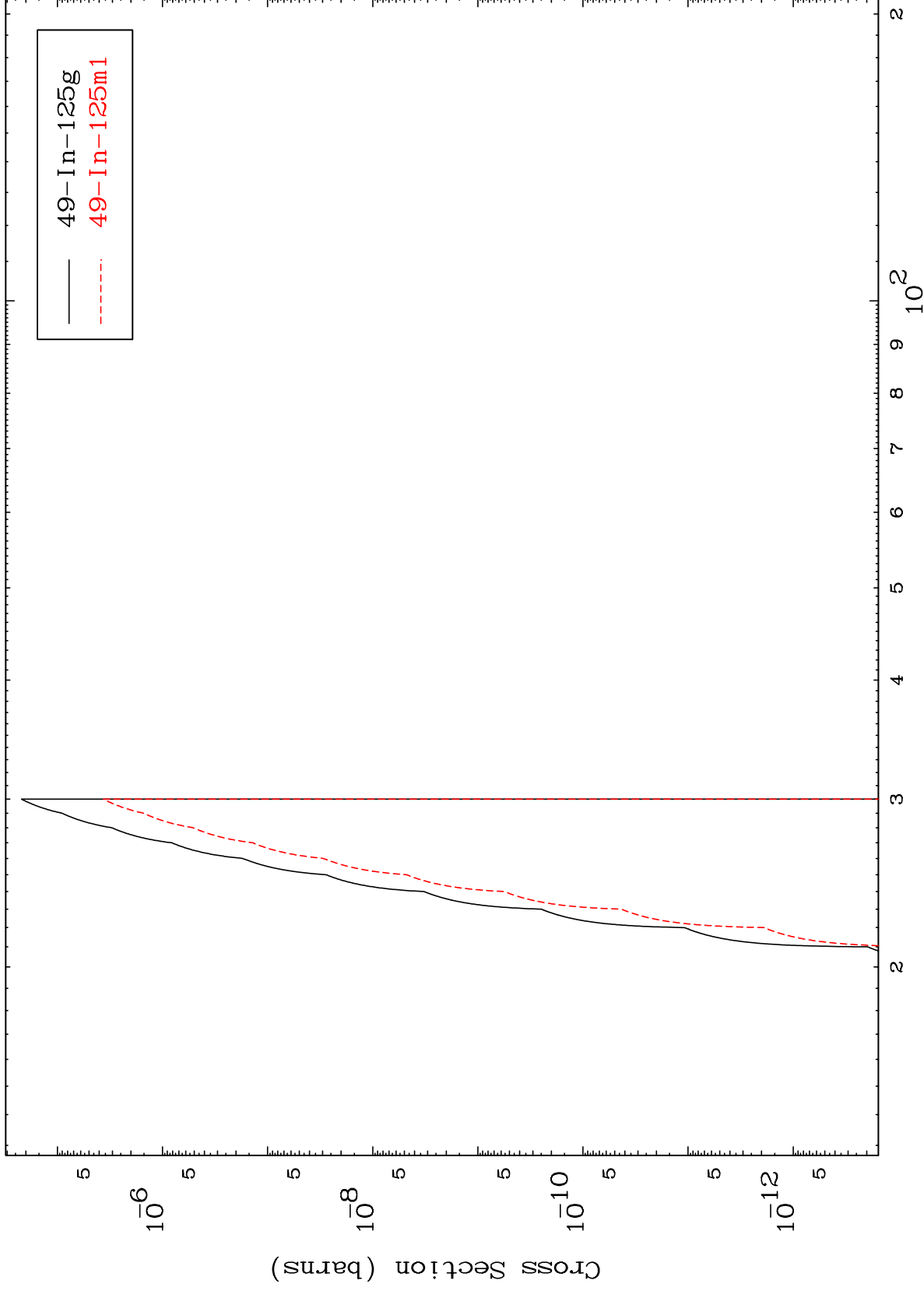


148

Incident Energy (MeV)

51-Sb-127

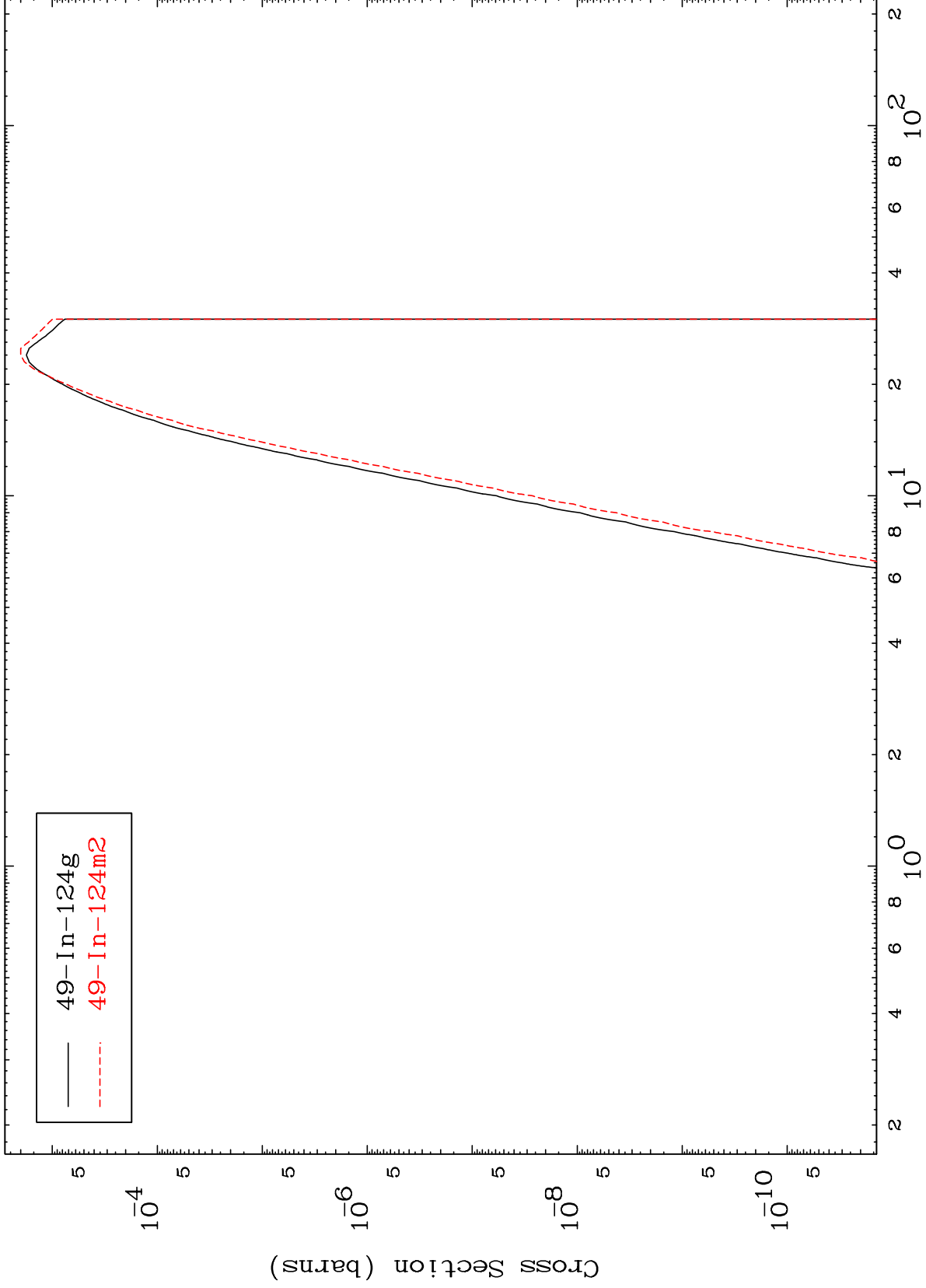
Radionuclide Production Cross Section



MAT 5143

51-Sb-127

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



150

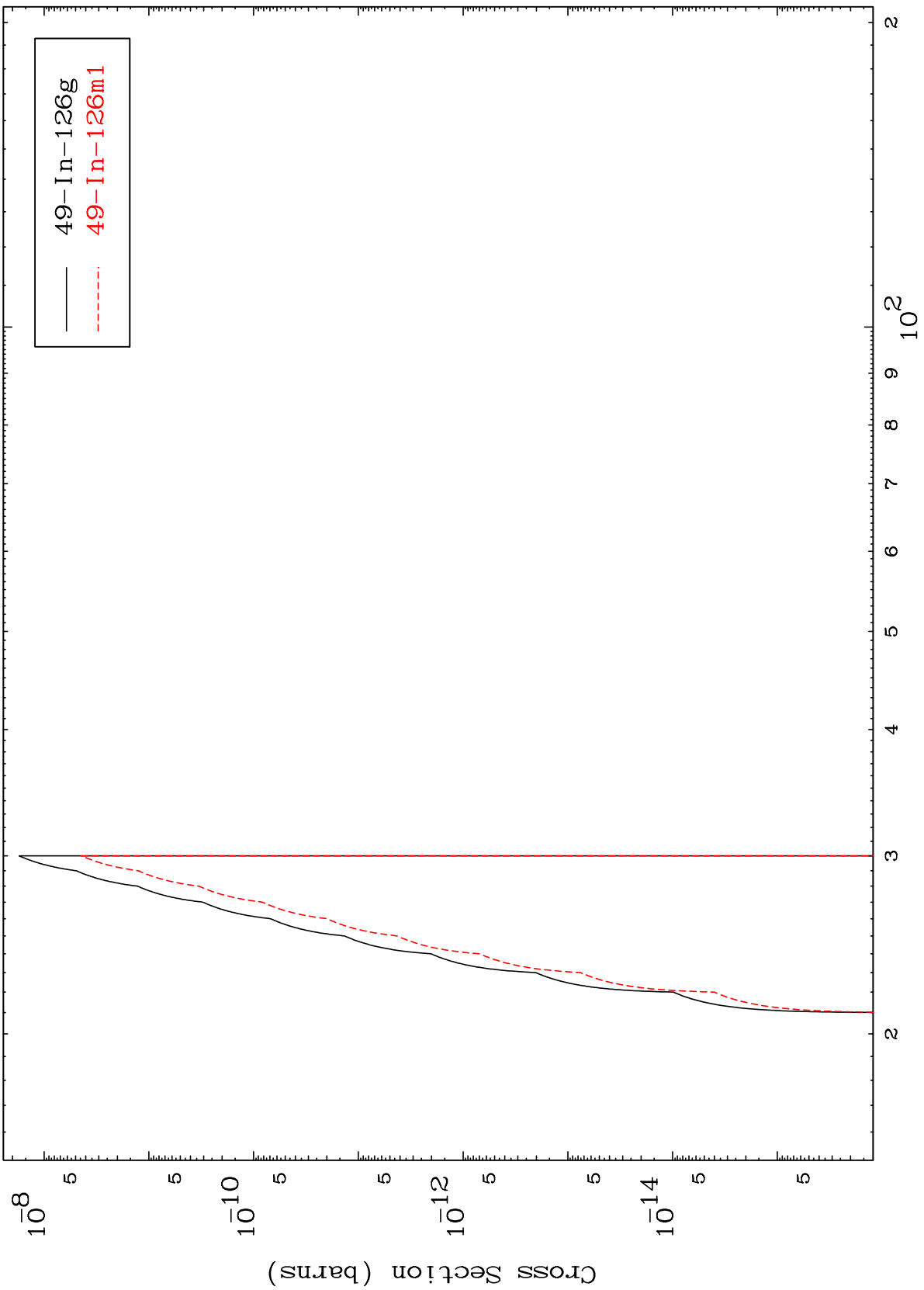
Incident Energy (MeV)

51-Sb-127

MAT 5143

51-Sb-127

(n,2p)  
Radionuclide Production Cross Section



151

51-Sb-127

Incident Energy (MeV)