

Program EVALPLOT  
(Version 2015-2)

by

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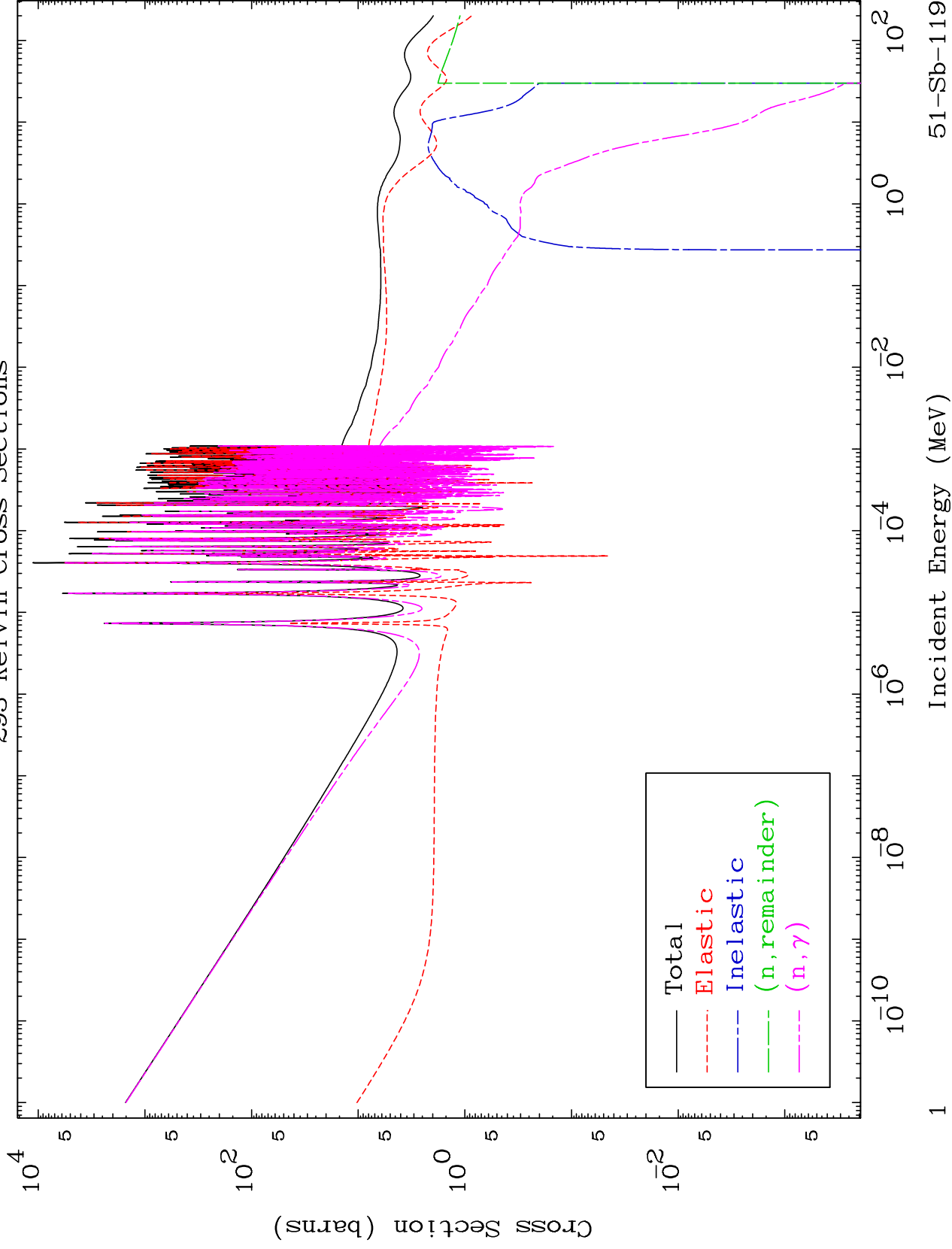
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

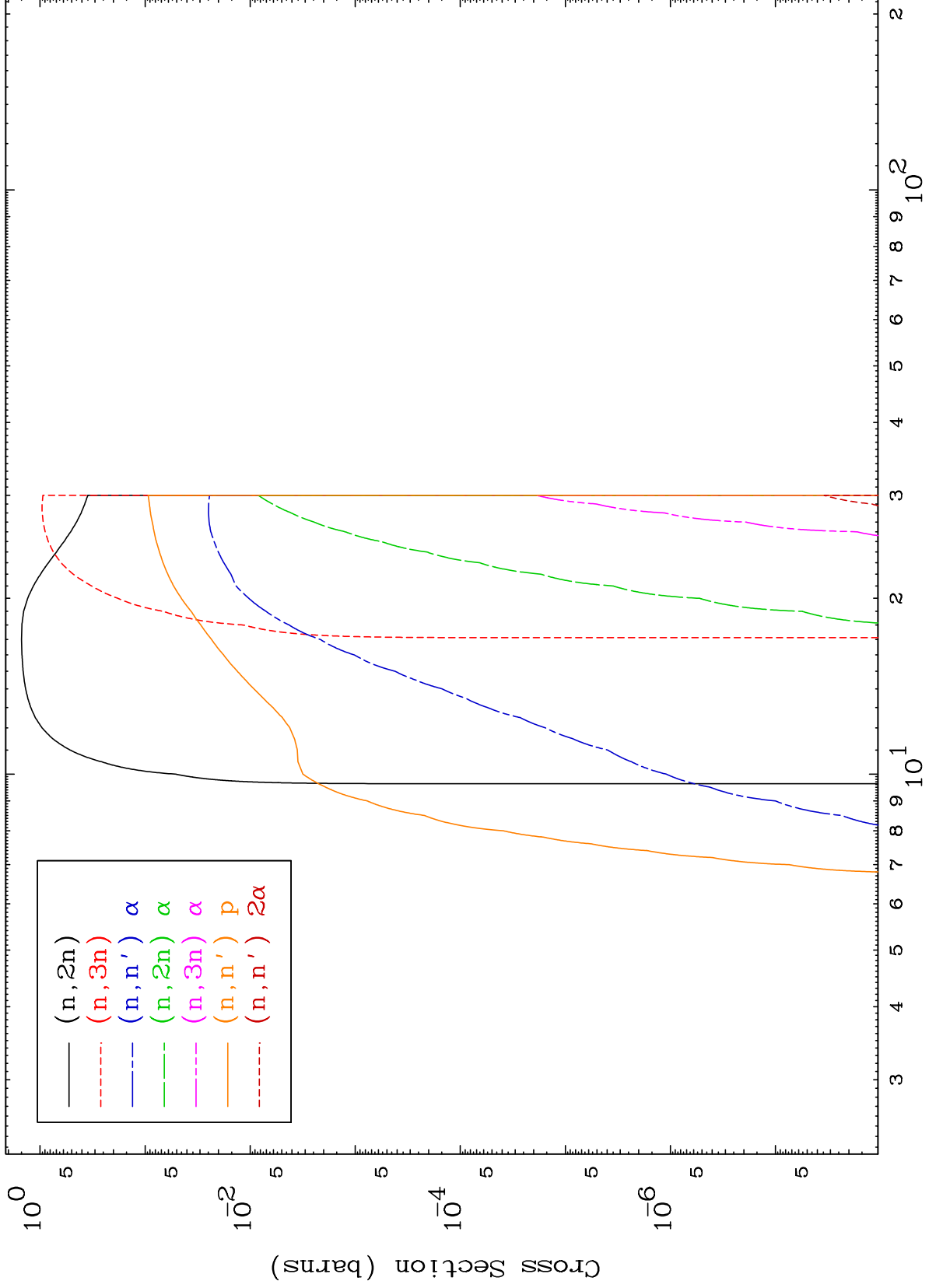
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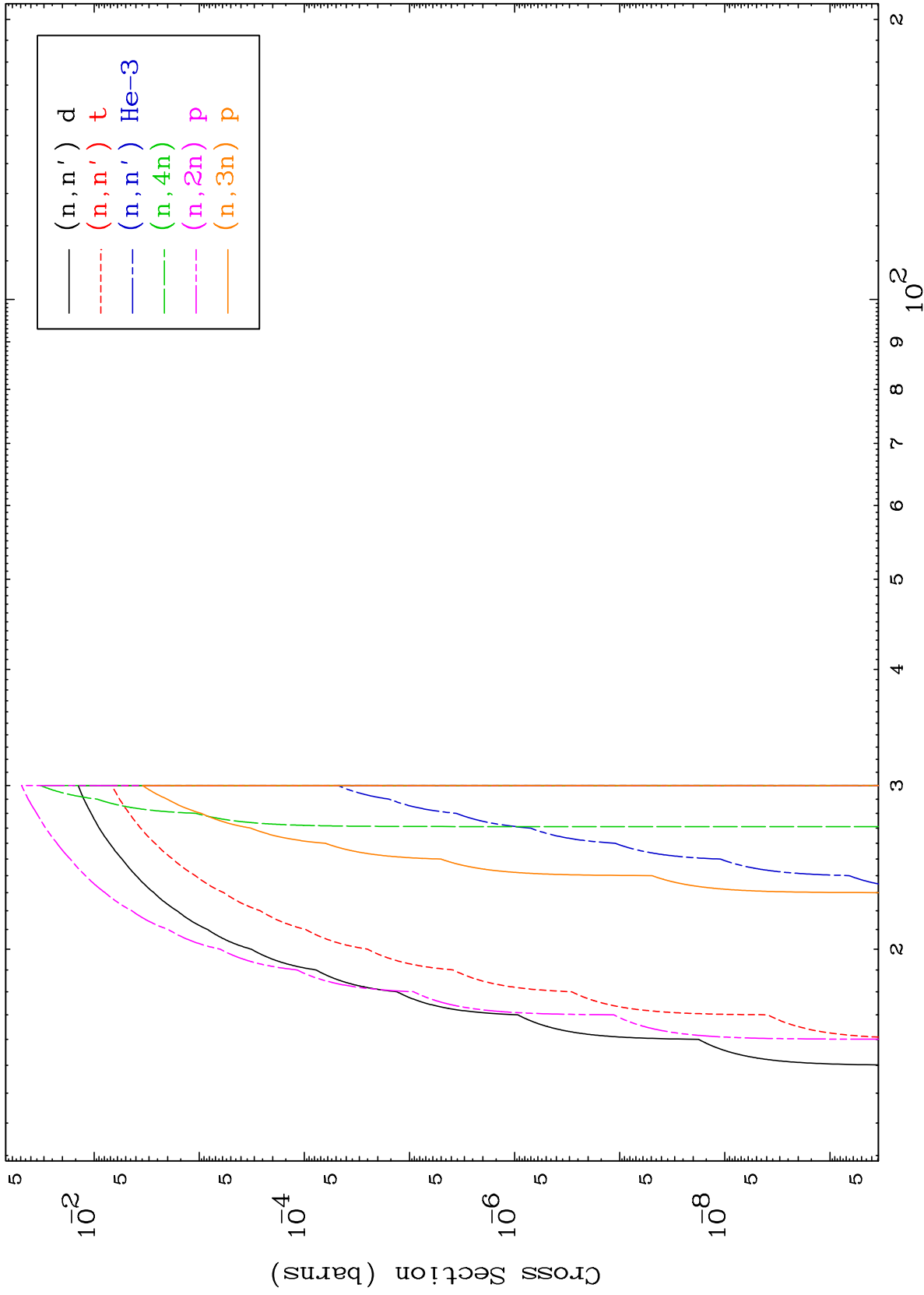
MAT 5119

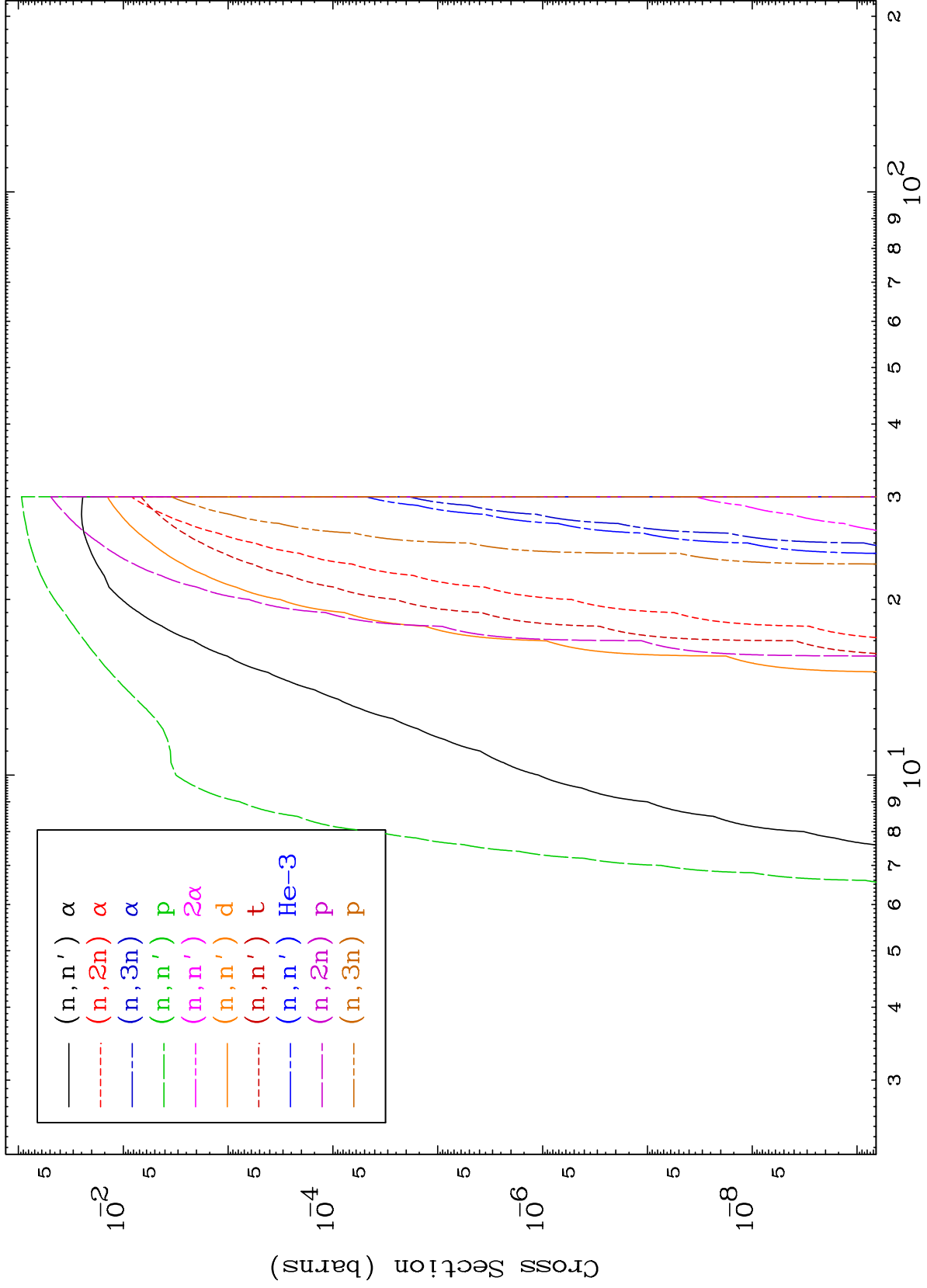
Major  
293 Kelvin Cross Sections

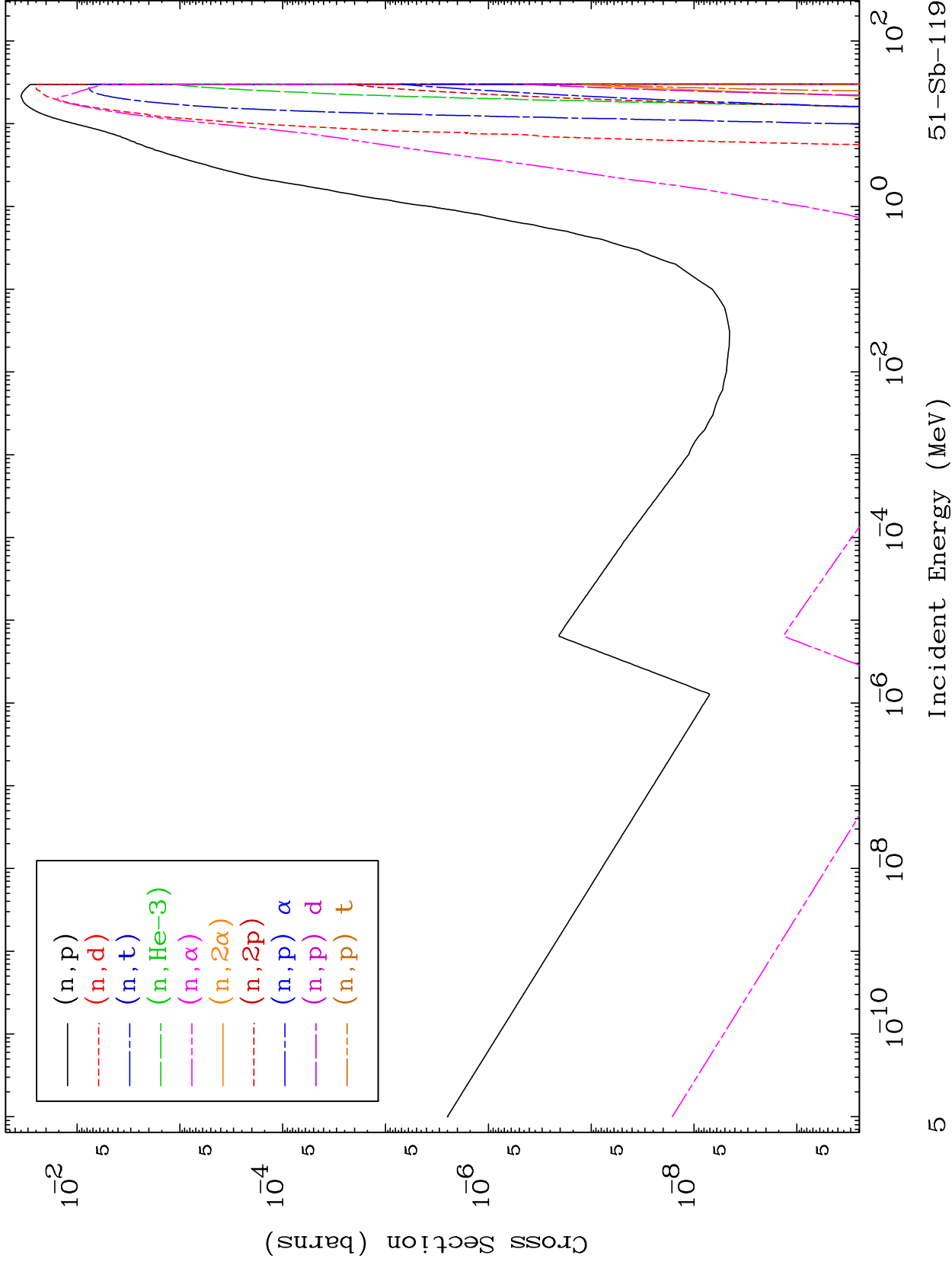
51-Sb-119

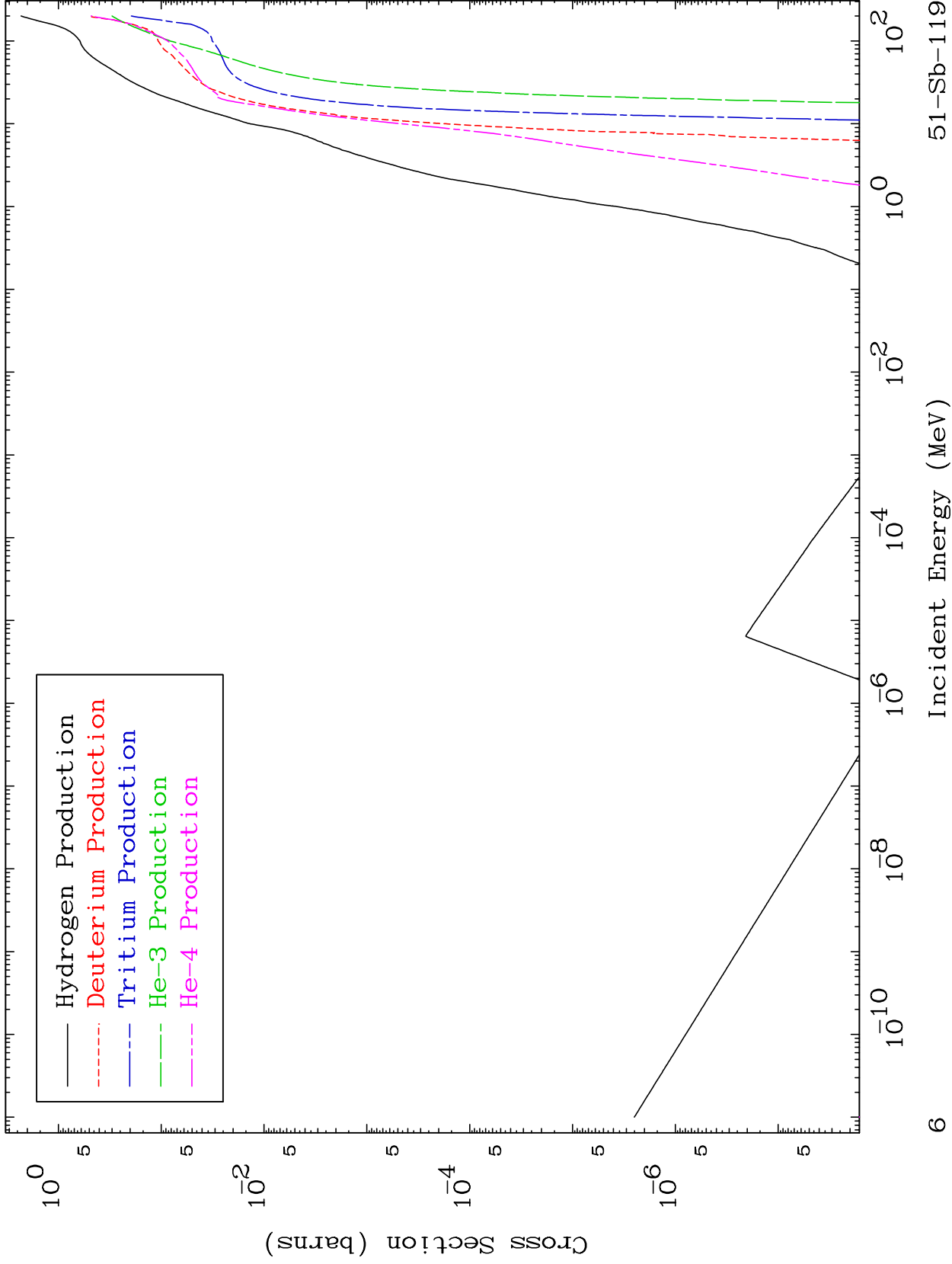


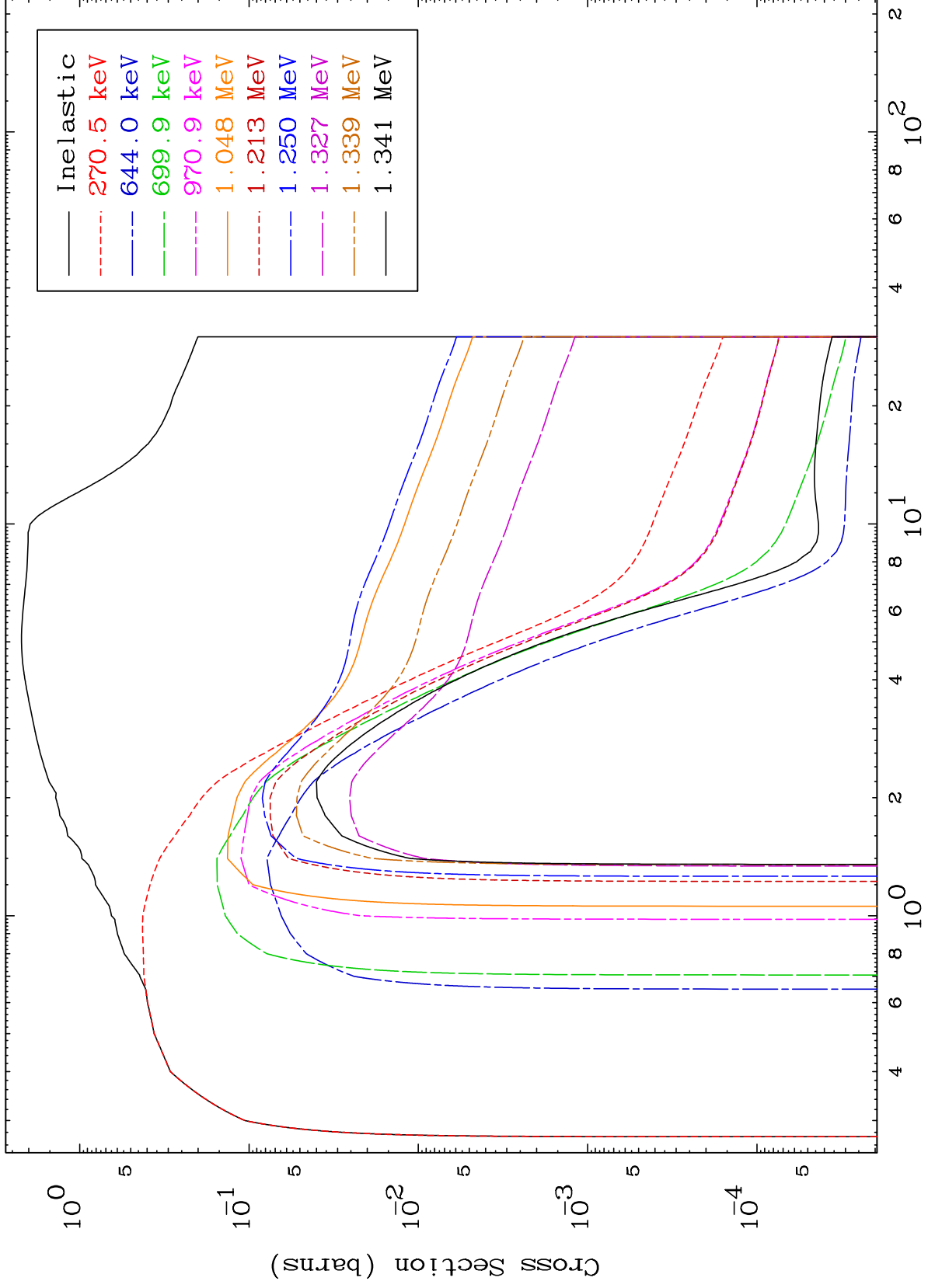










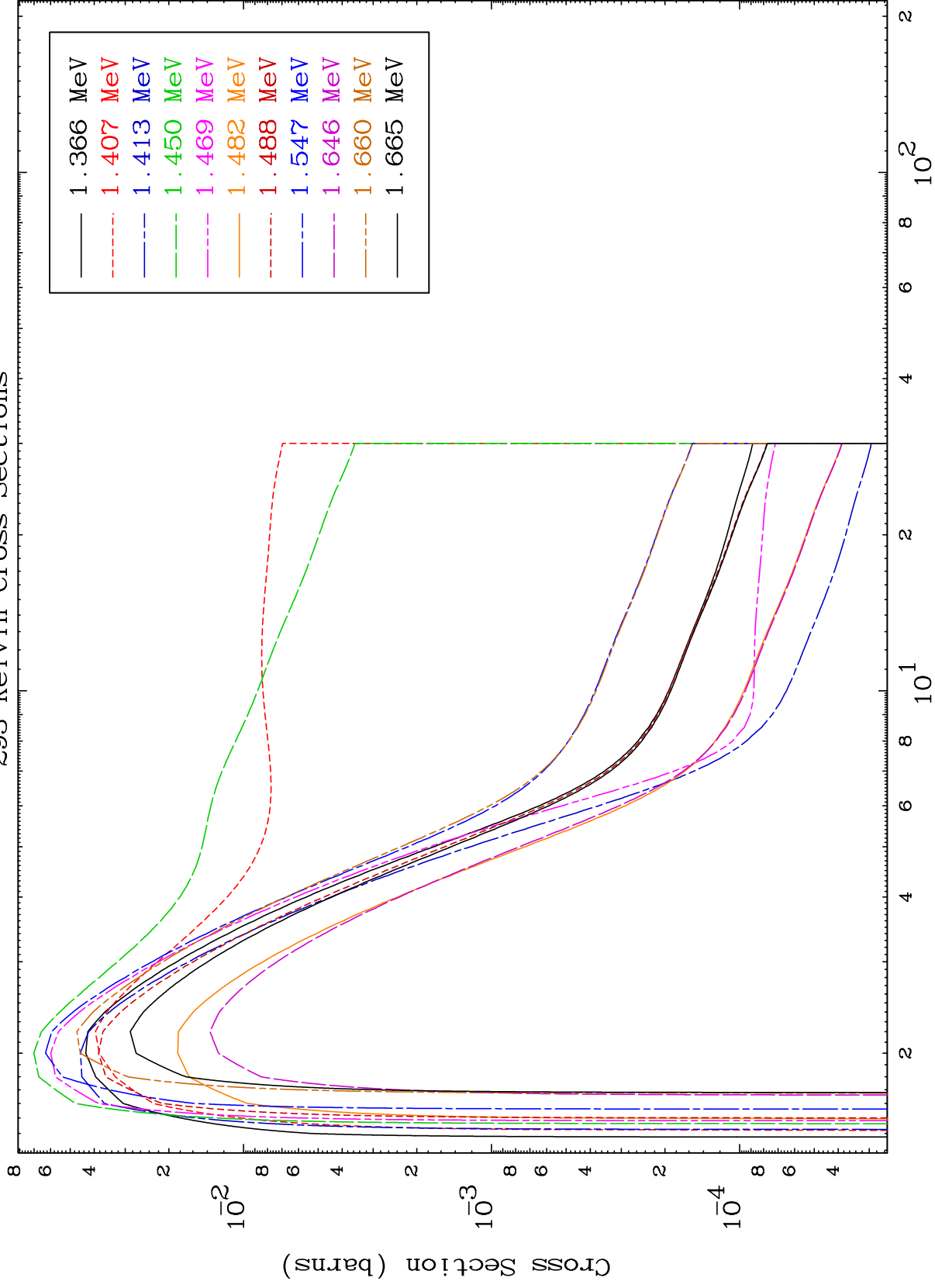




MAT 5119

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-119

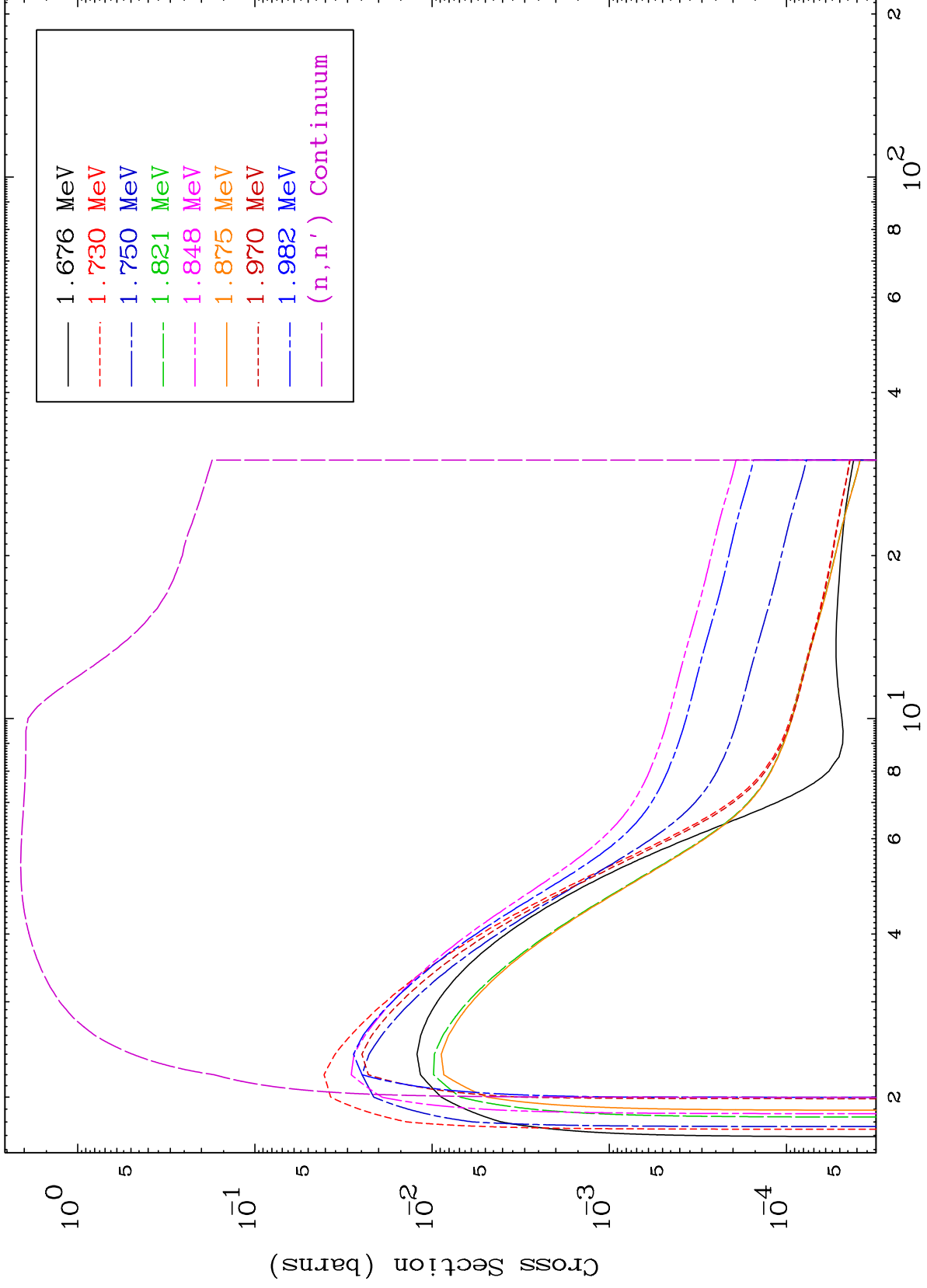


8

Incident Energy (MeV)

51-Sb-119

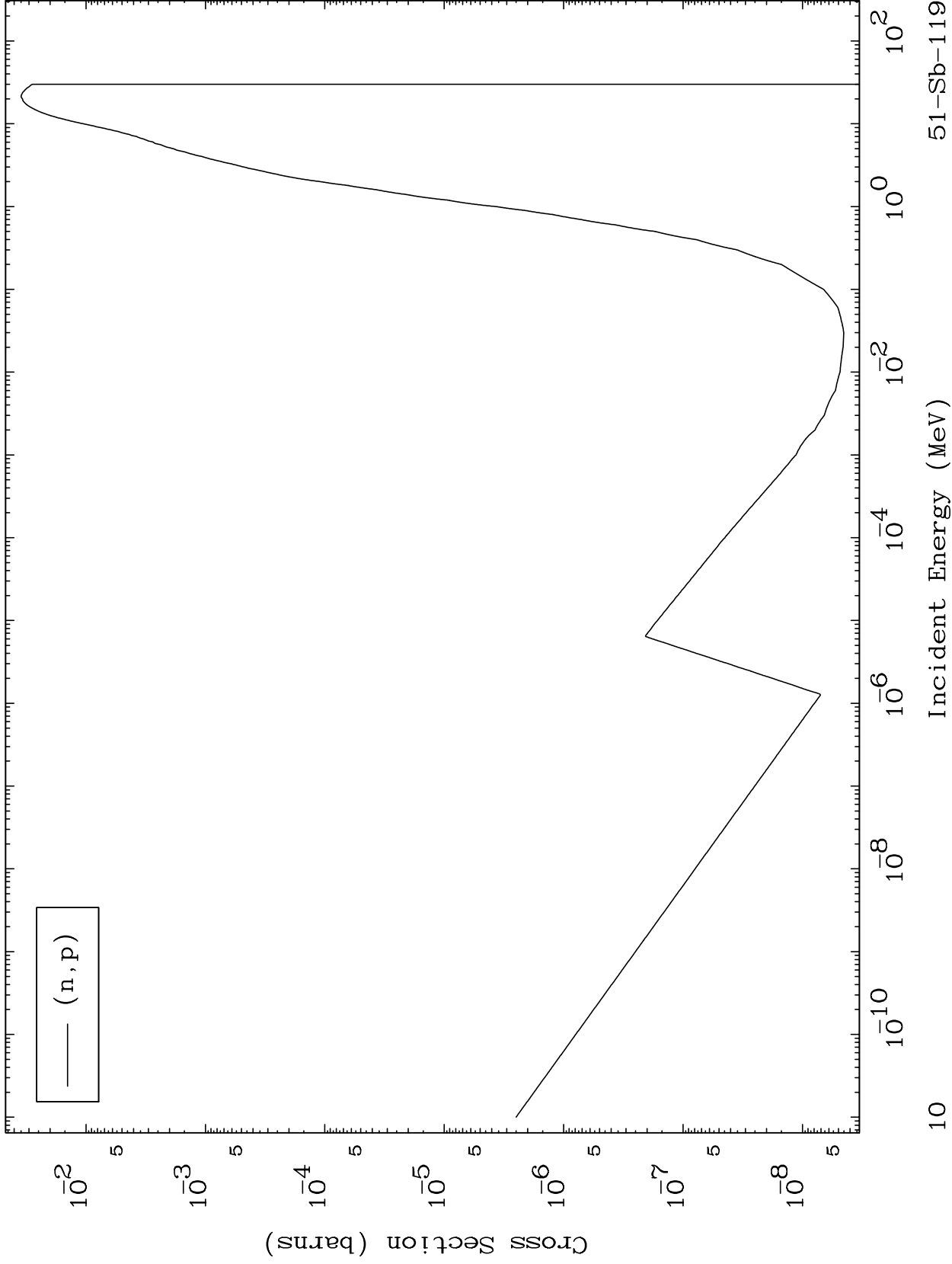
293 Kelvin Cross Sections



MAT 5119

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-119



10

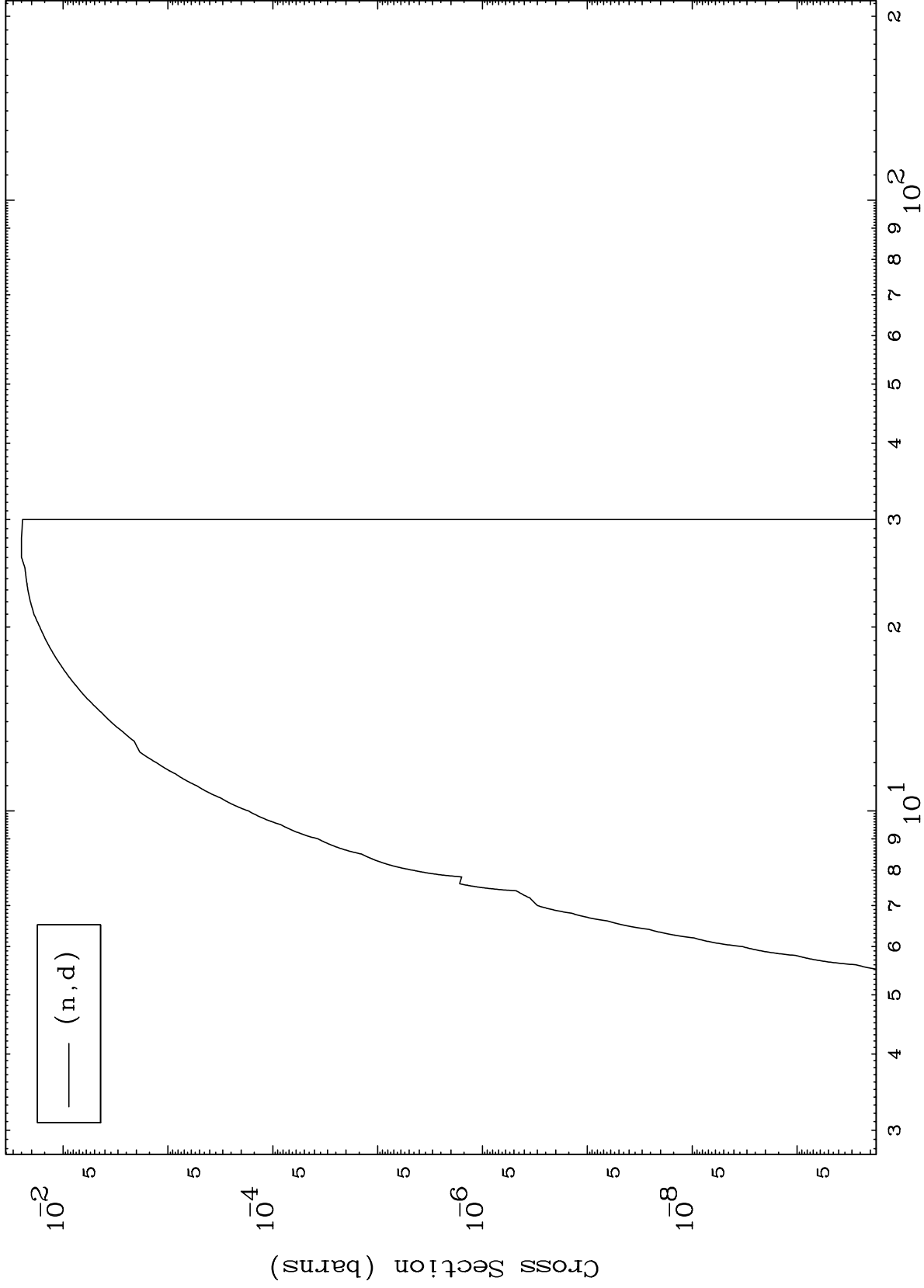
Incident Energy (MeV)

51-Sb-119

MAT 5119

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-119



11

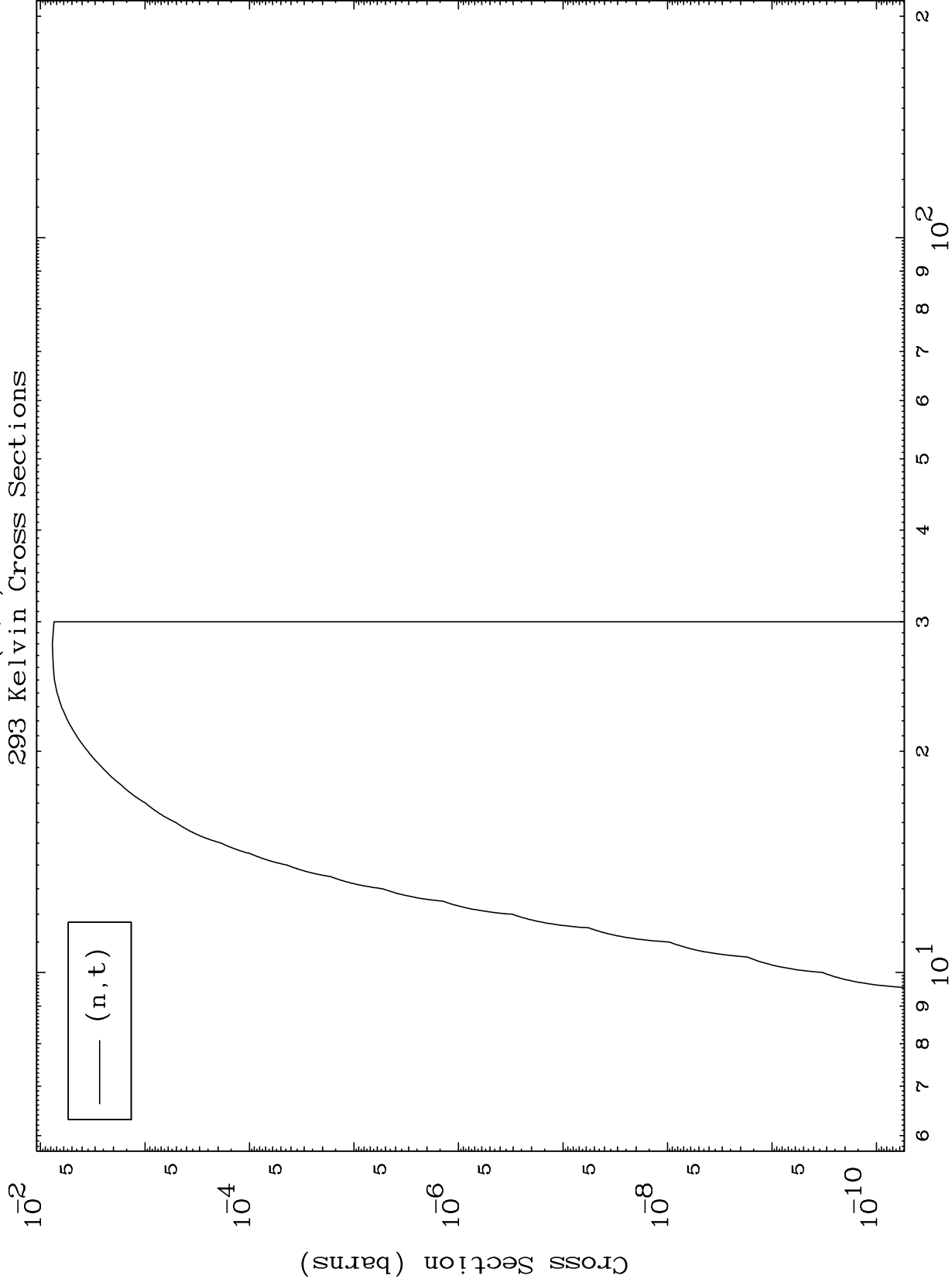
Incident Energy (MeV)

51-Sb-119

MAT 5119

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-119



12

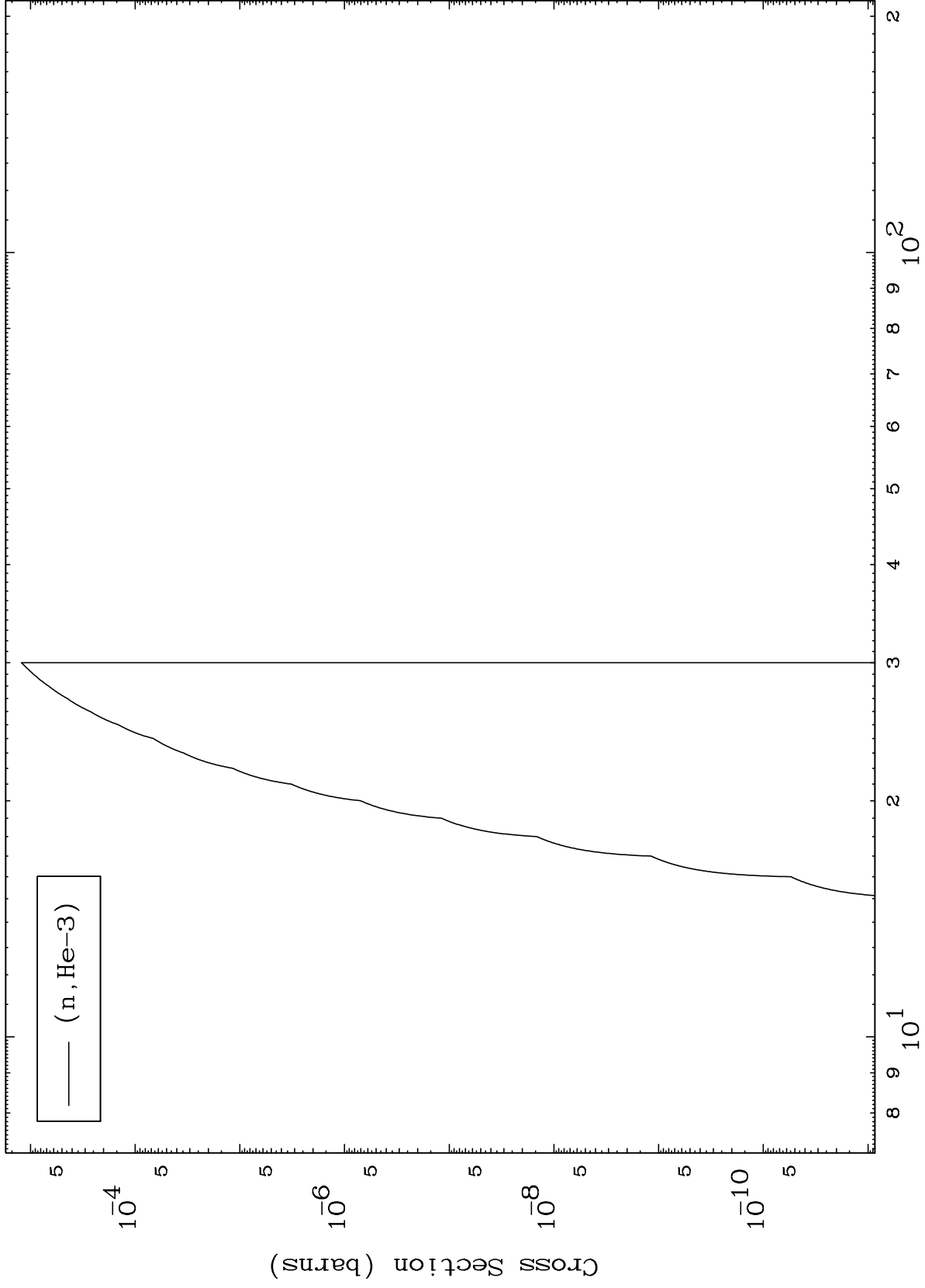
Incident Energy (MeV)

51-Sb-119

MAT 5119

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-119



13

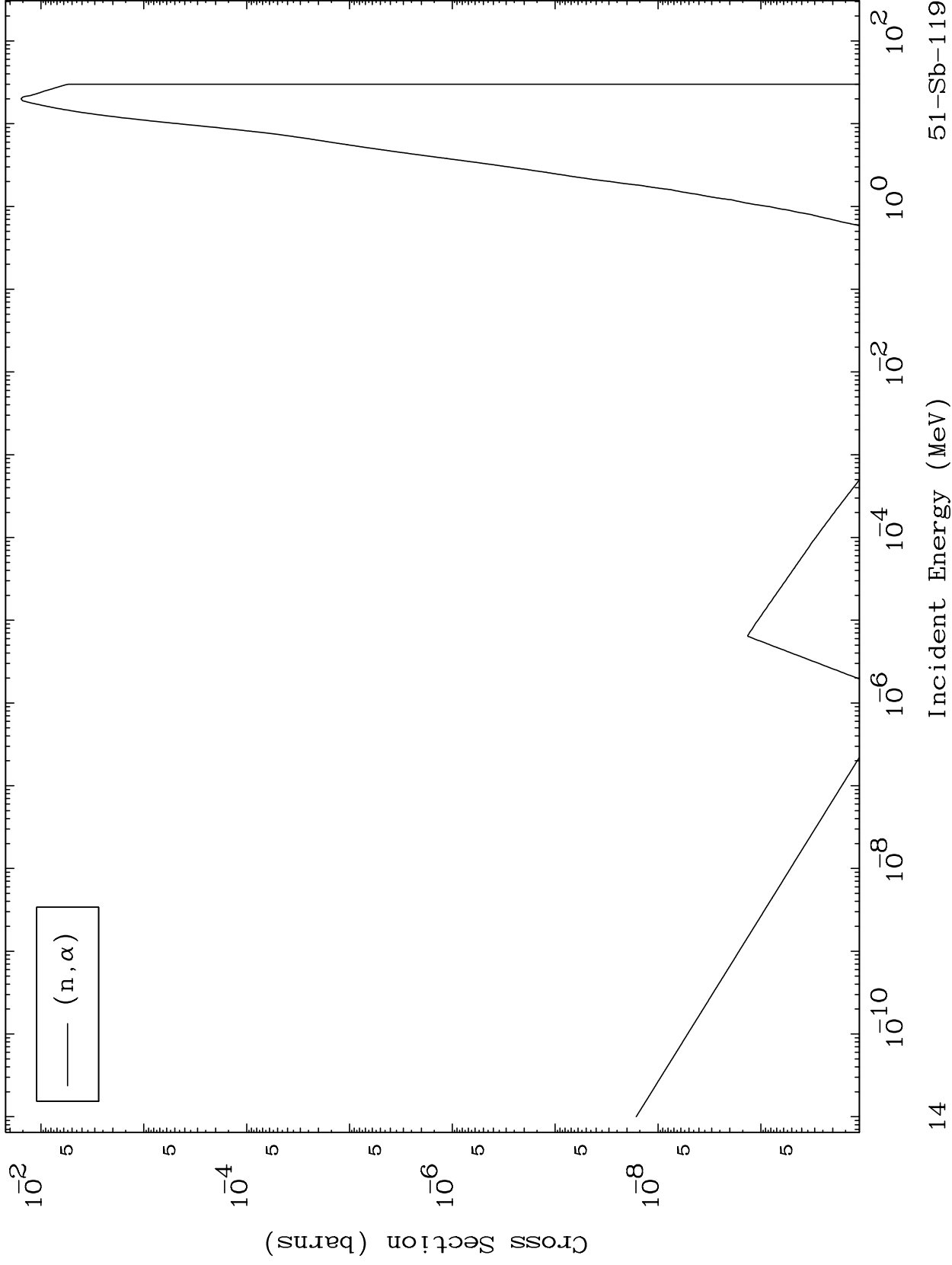
Incident Energy (MeV)

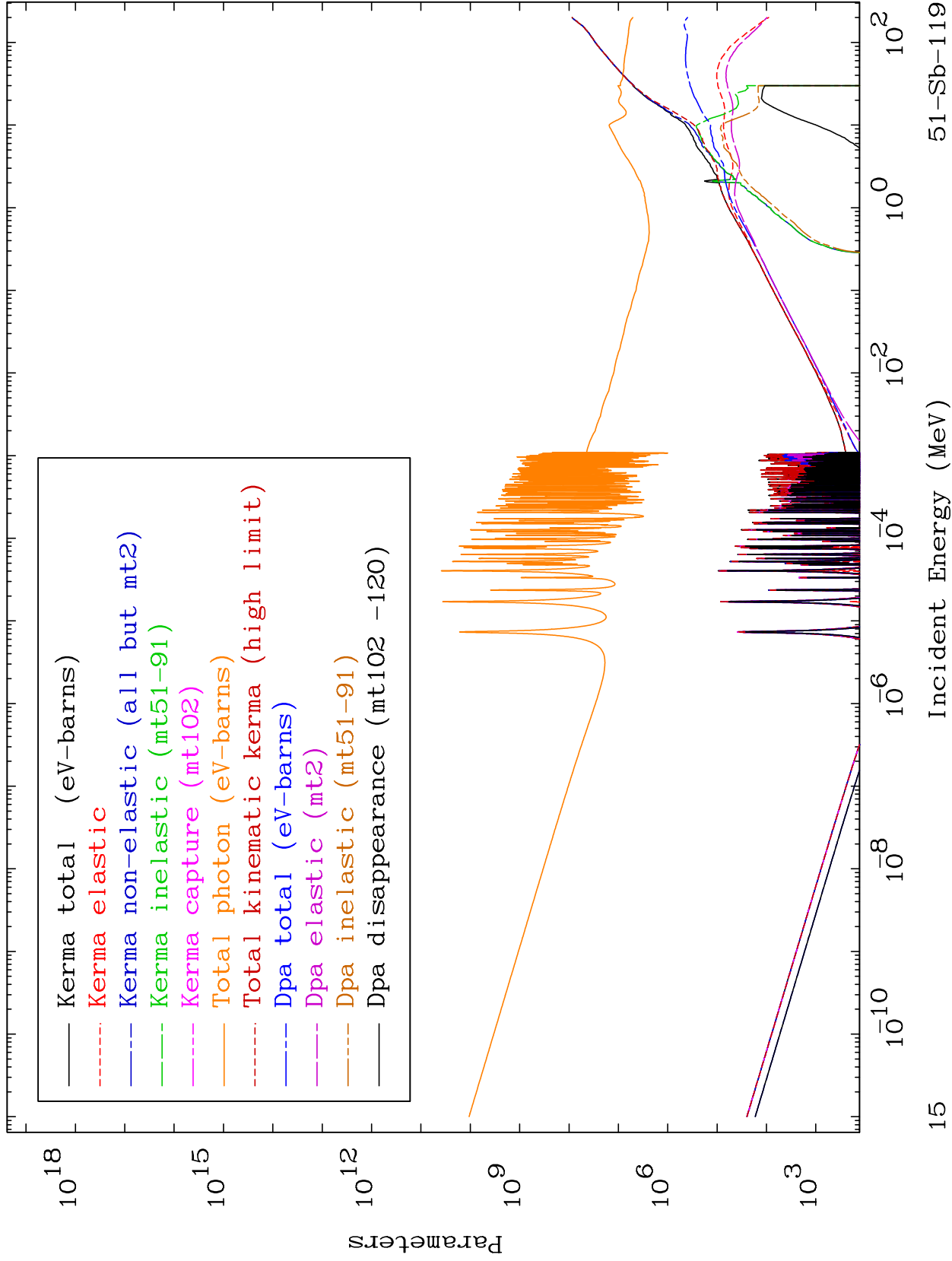
51-Sb-119

MAT 5119

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

51-Sb-119



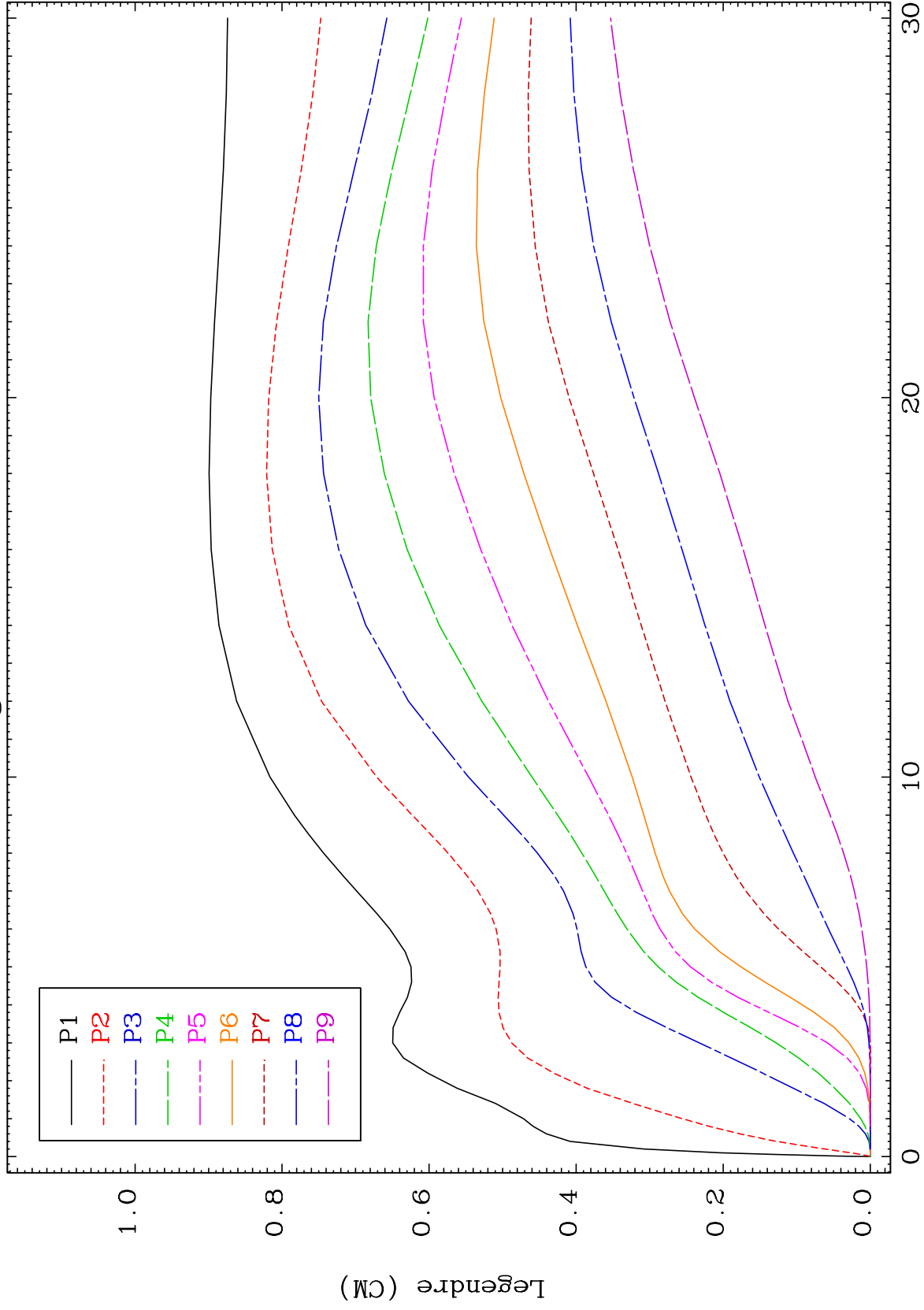




MAT 5119

Elastic Legendre Coefficients

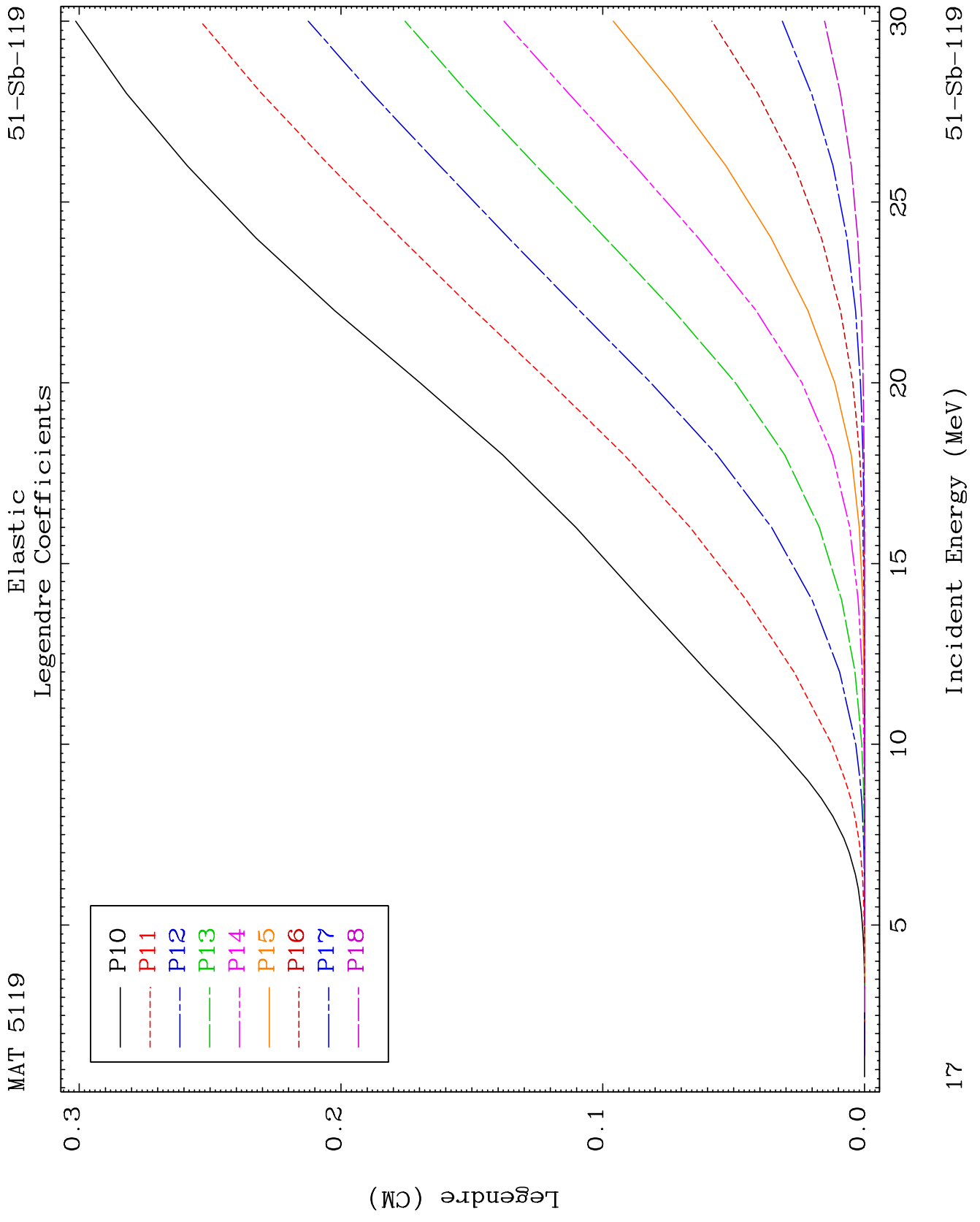
51-Sb-119



16

Incident Energy (MeV)

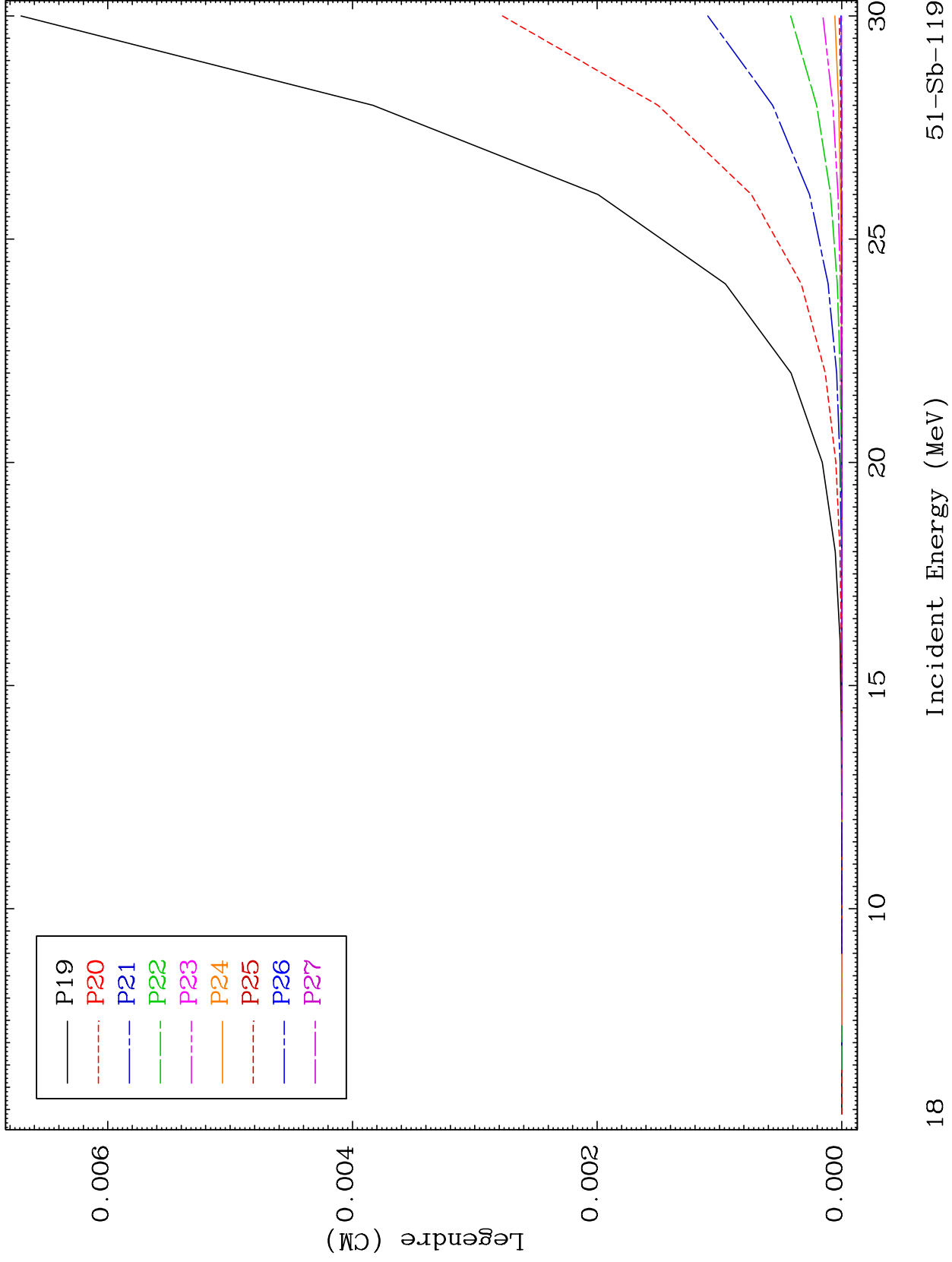
51-Sb-119



MAT 5119

### Elastic Legendre Coefficients

51-Sb-119

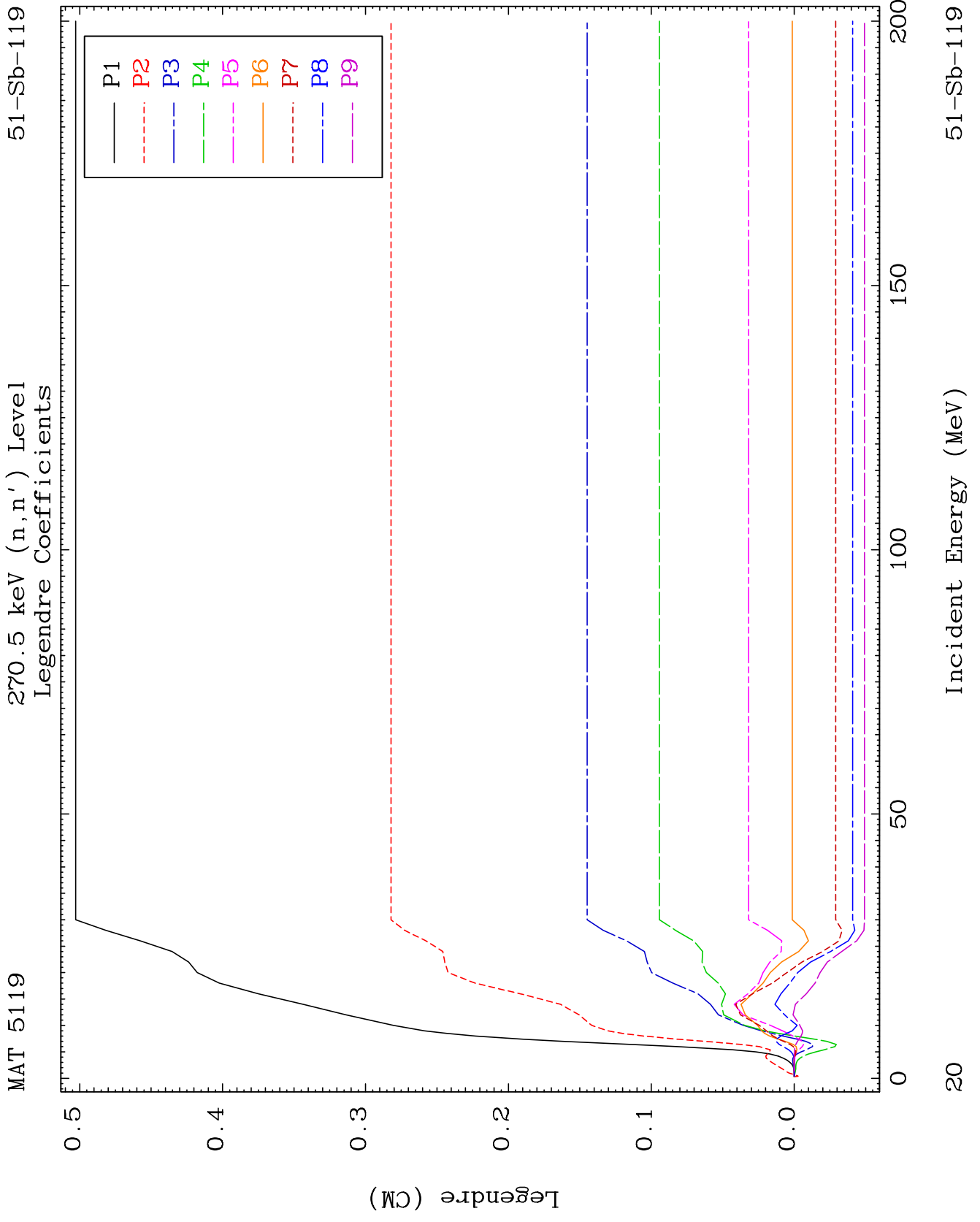


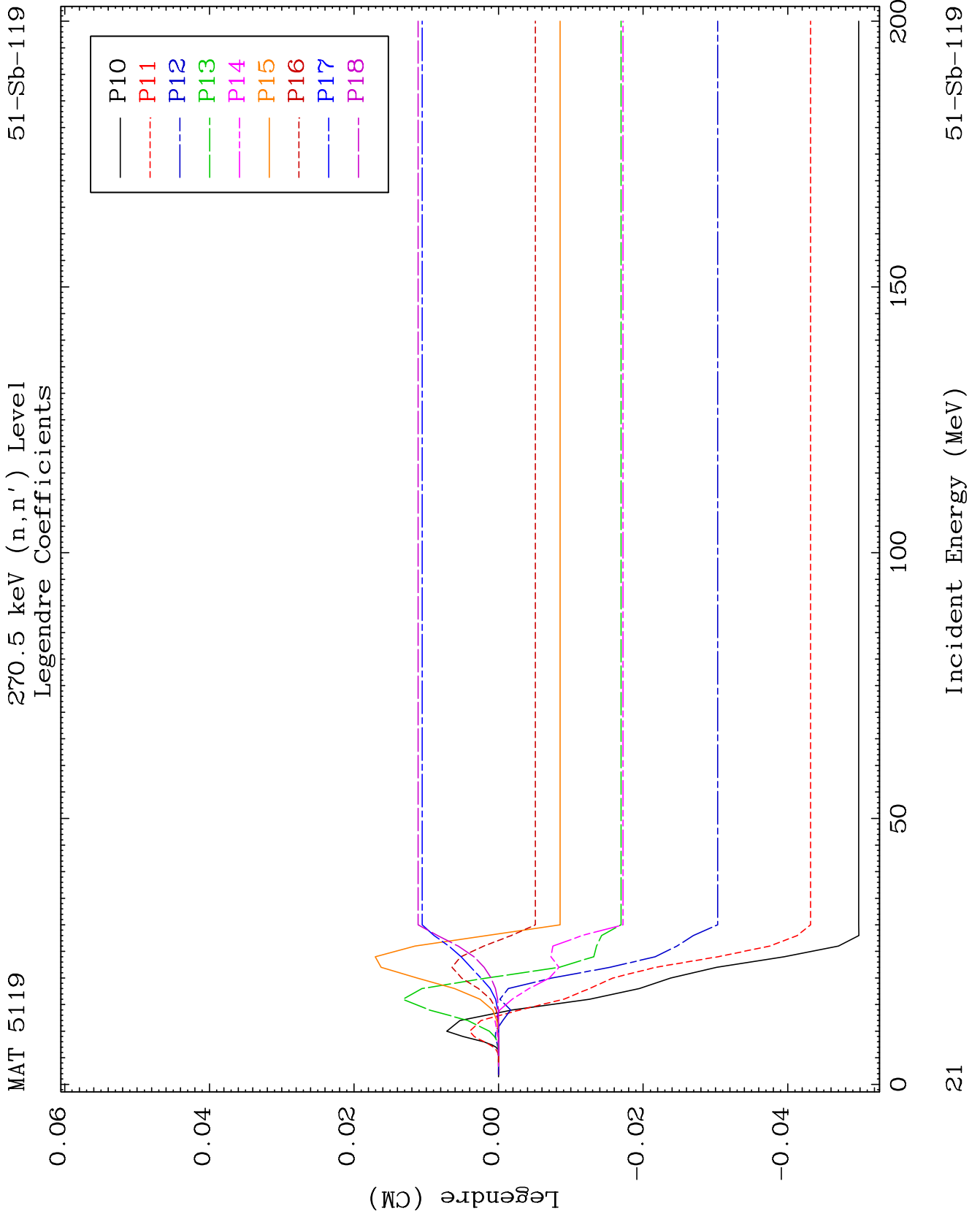
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Incident Energy (MeV)

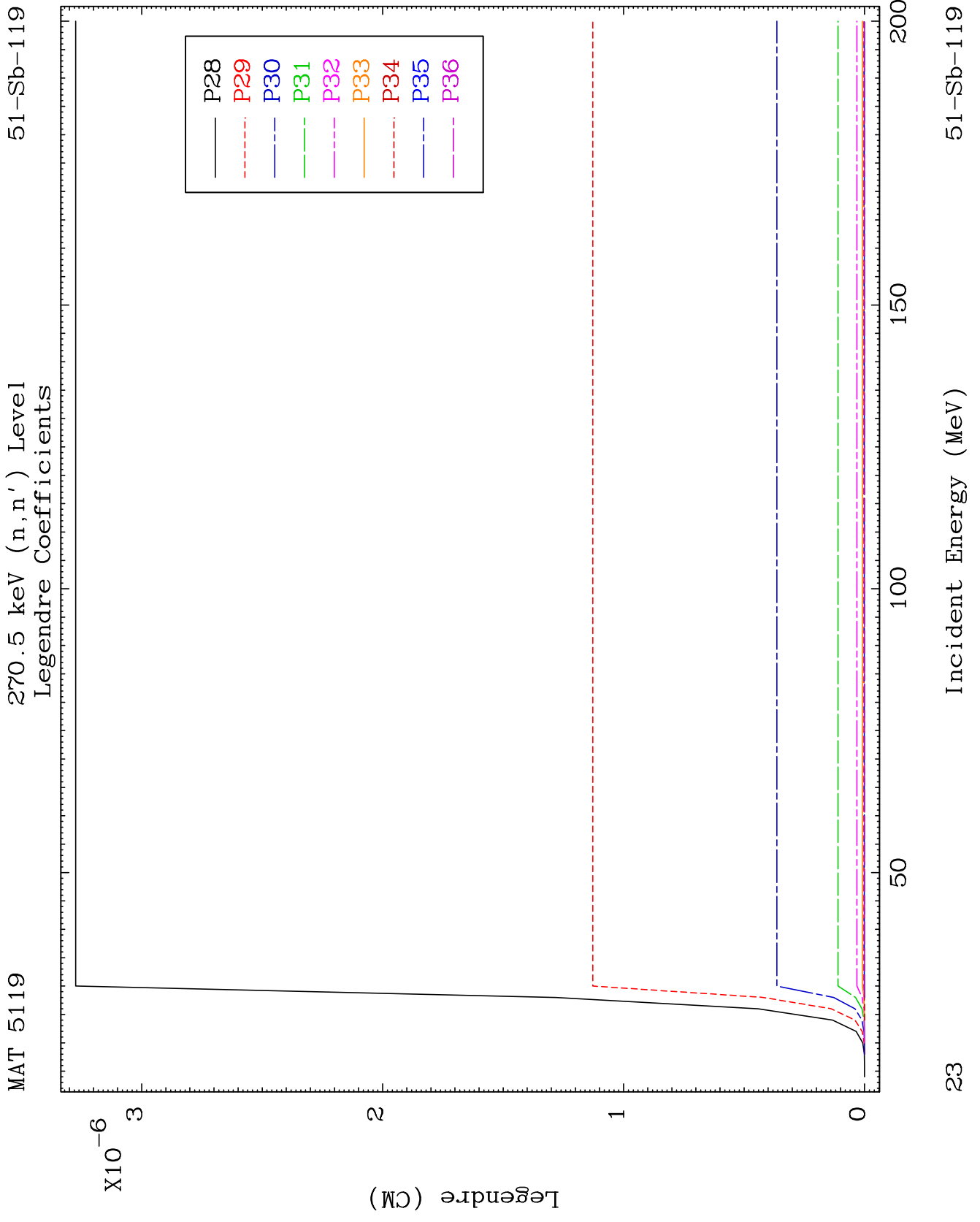
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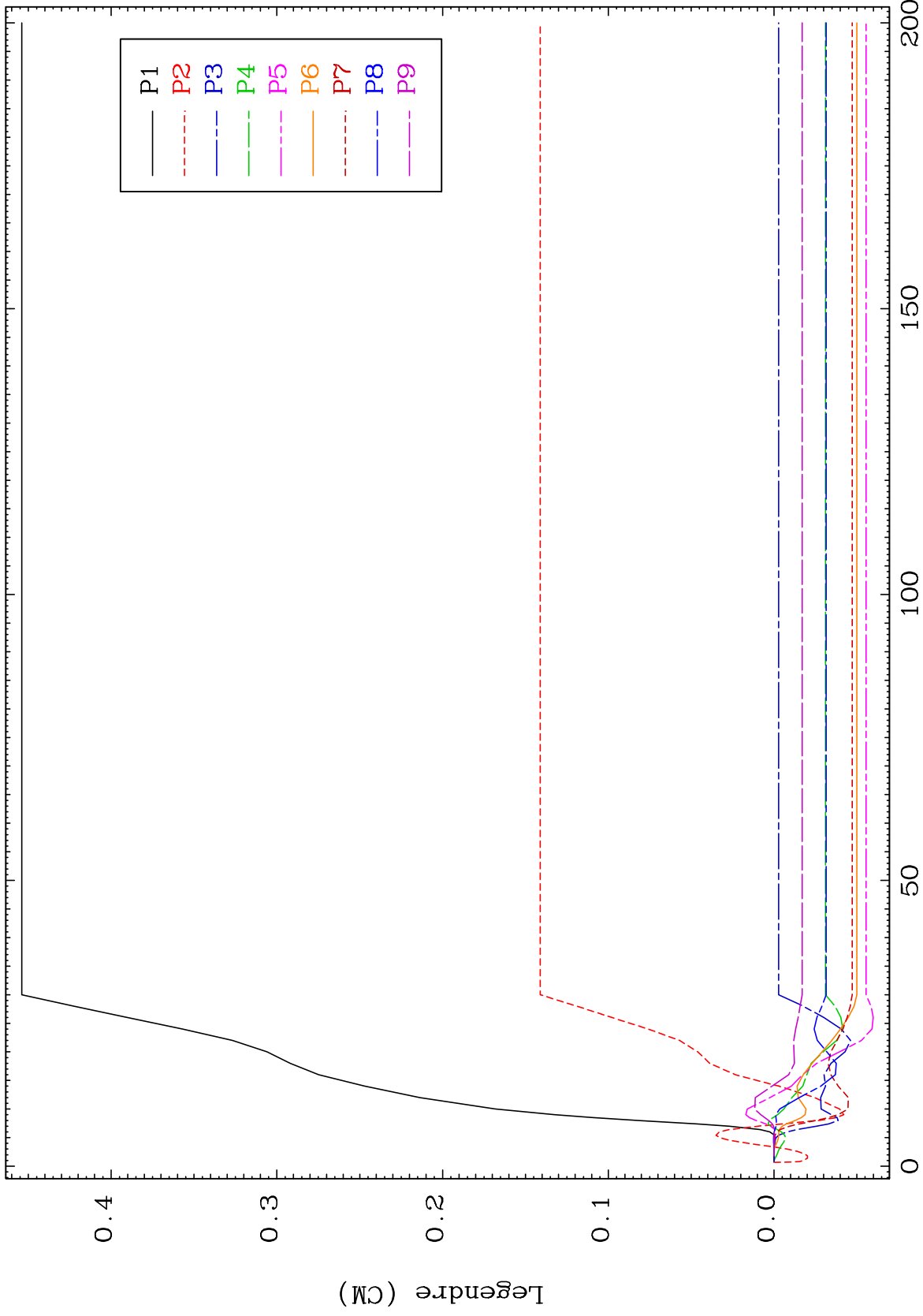




MAT 5119

644.0 keV (n,n') Level  
Legendre Coefficients

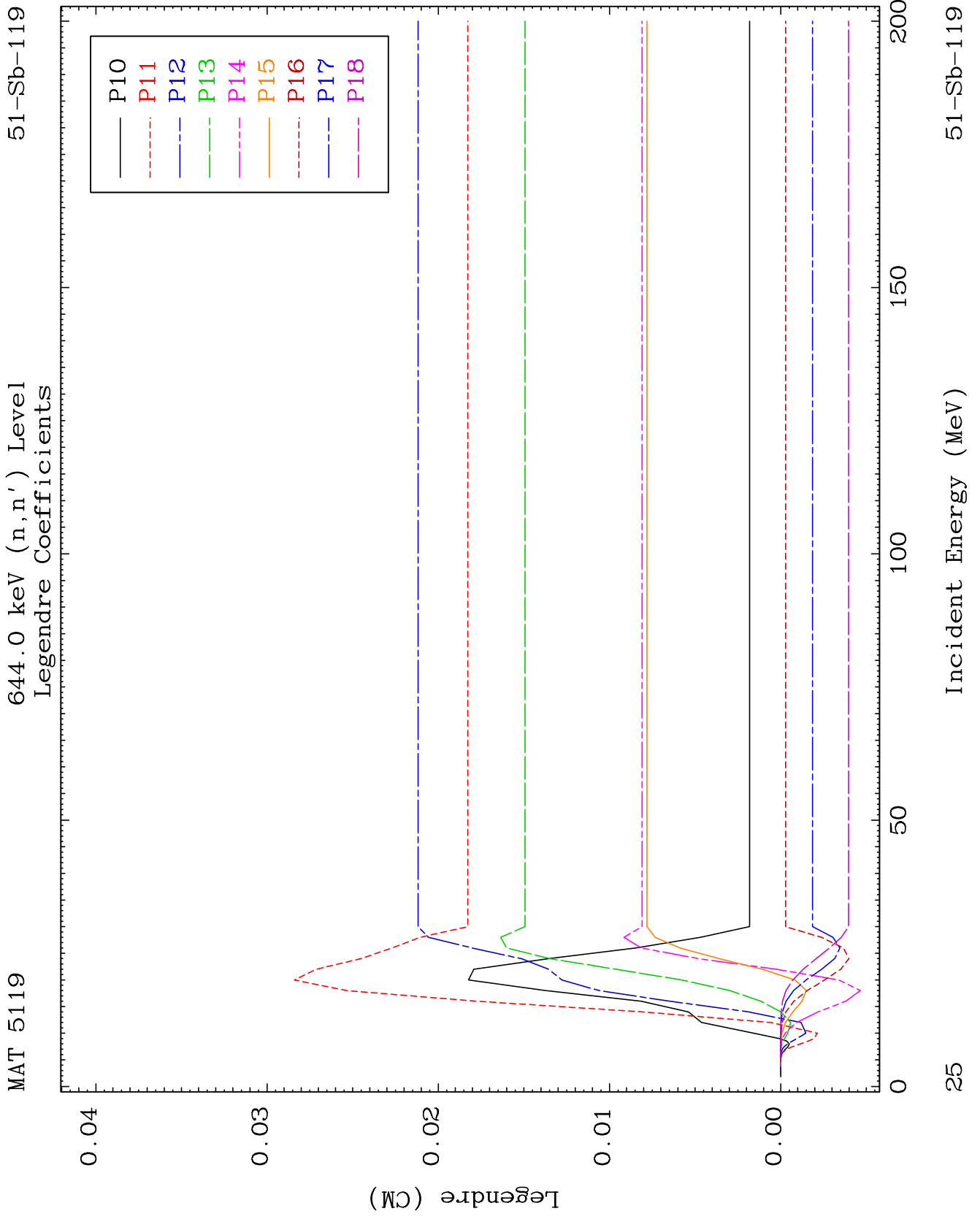
51-Sb-119

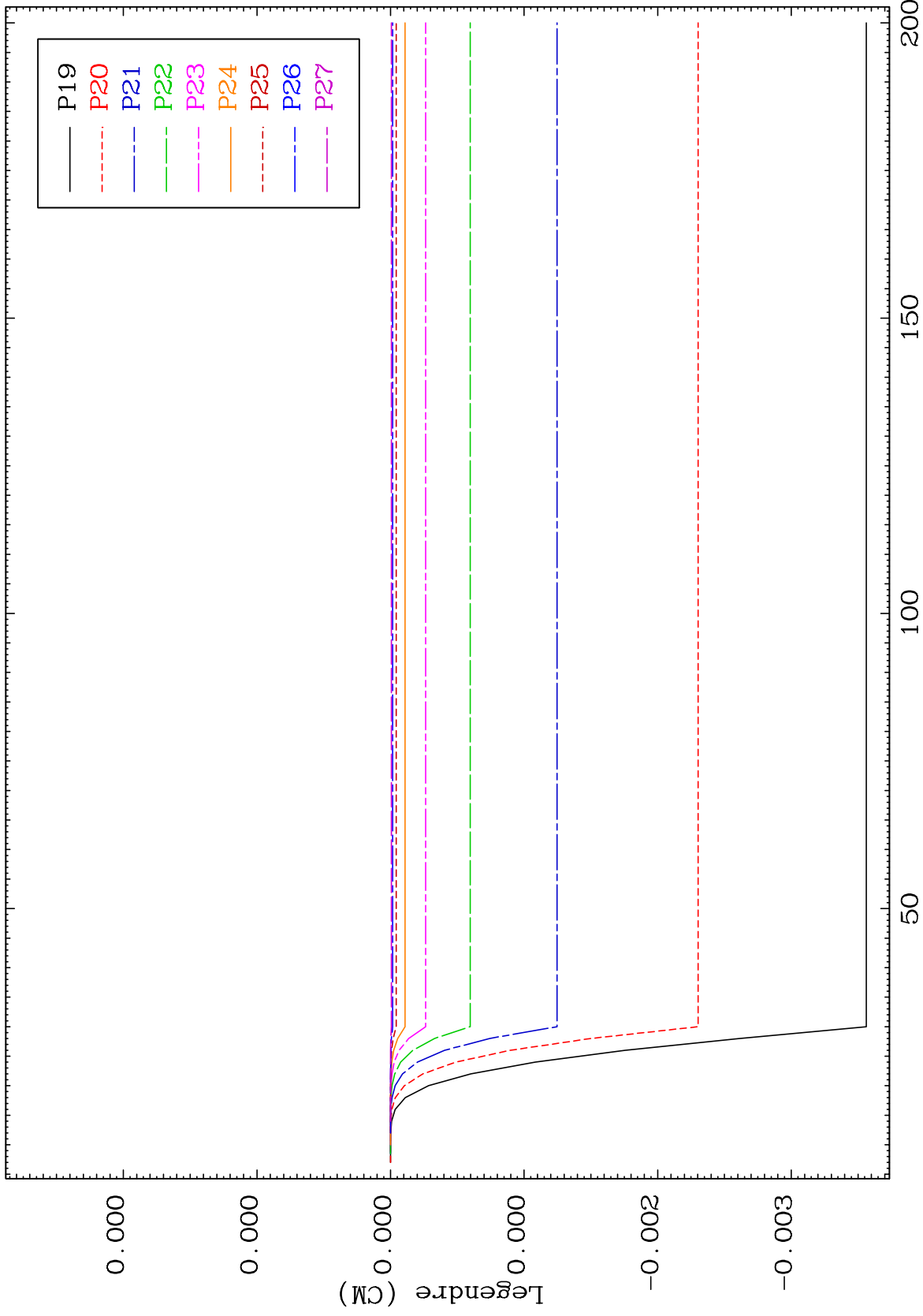


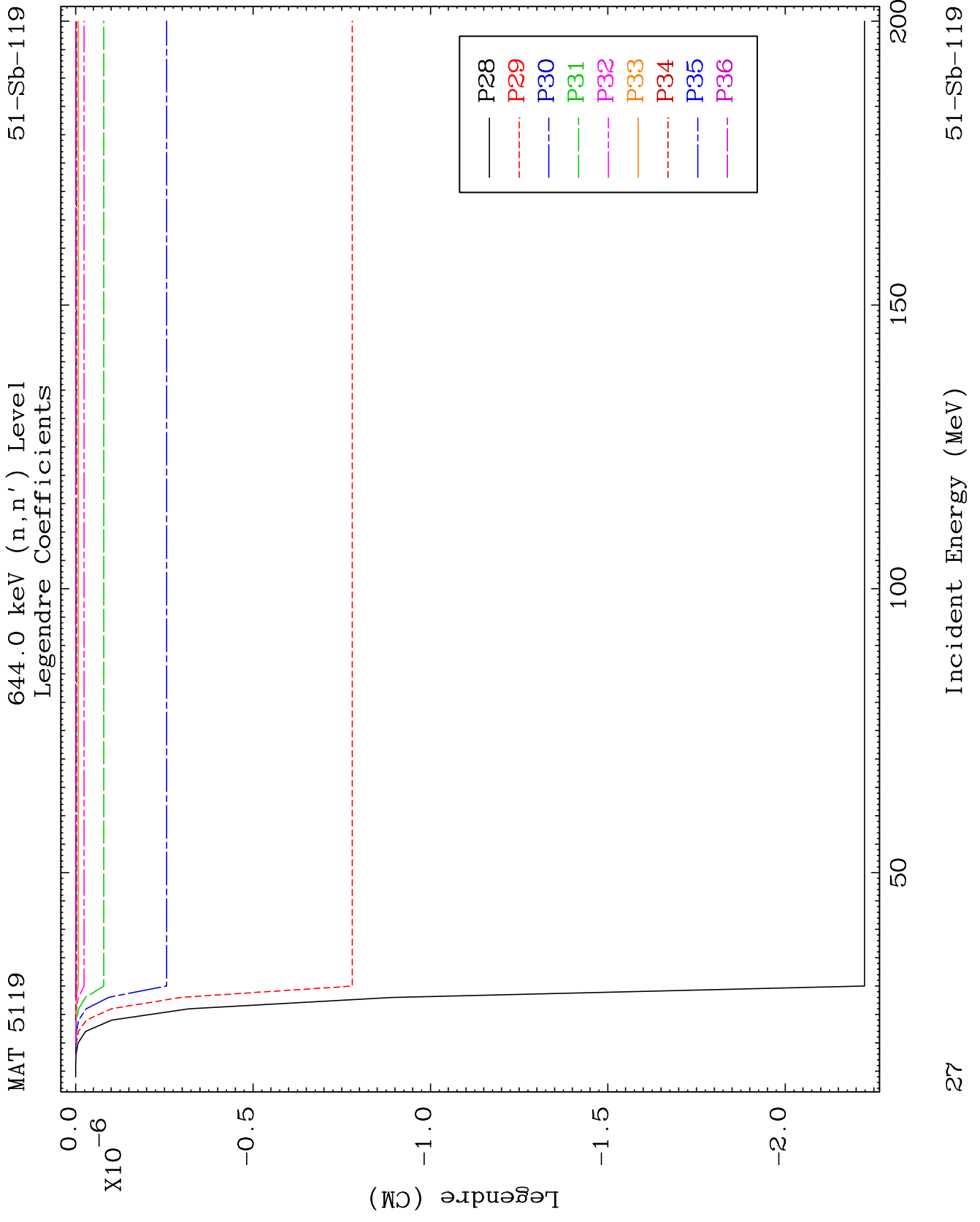
24

Incident Energy (MeV)

51-Sb-119



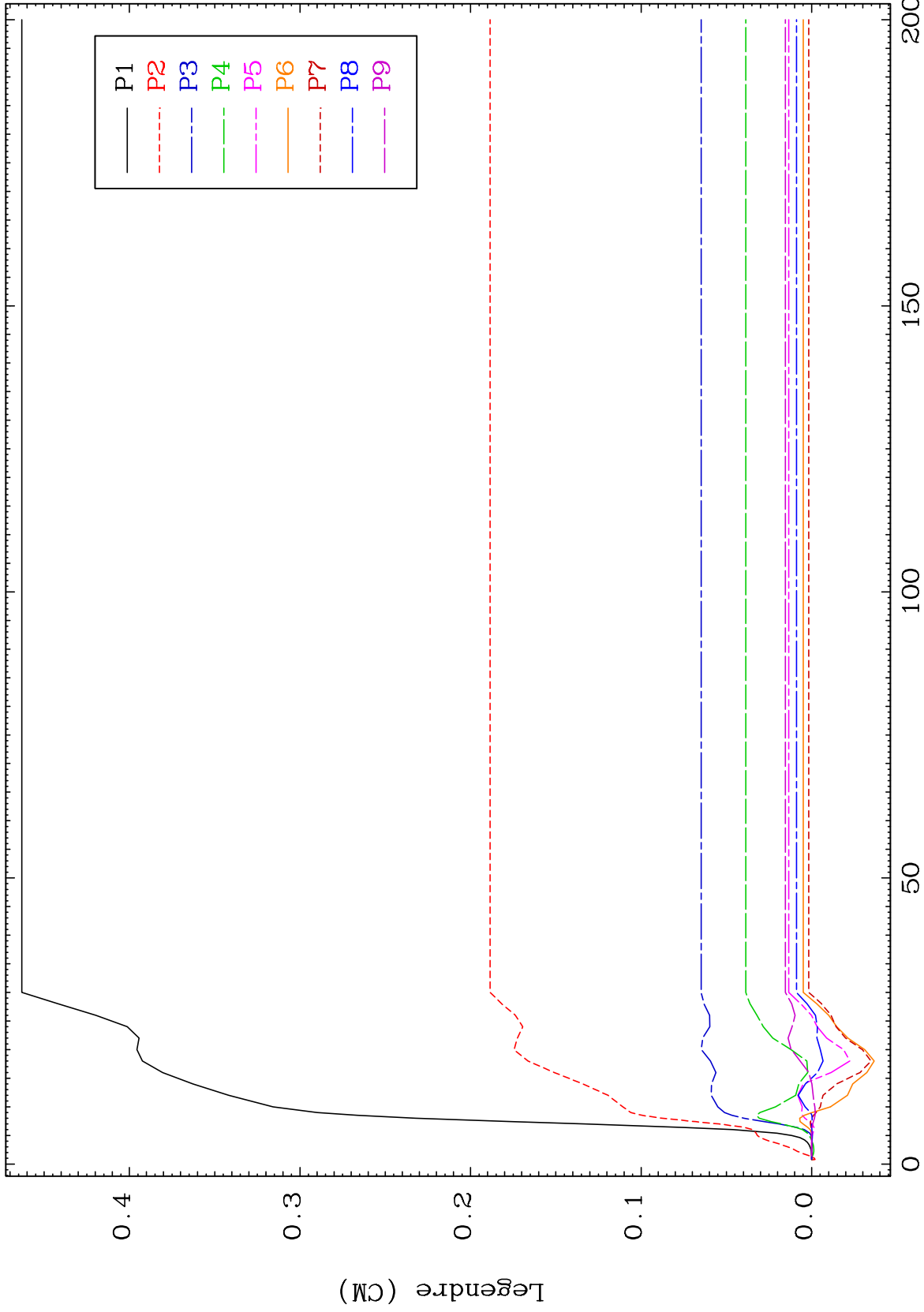




MAT 5119

699.9 keV (n,n') Level  
Legendre Coefficients

51-Sb-119



51-Sb-119

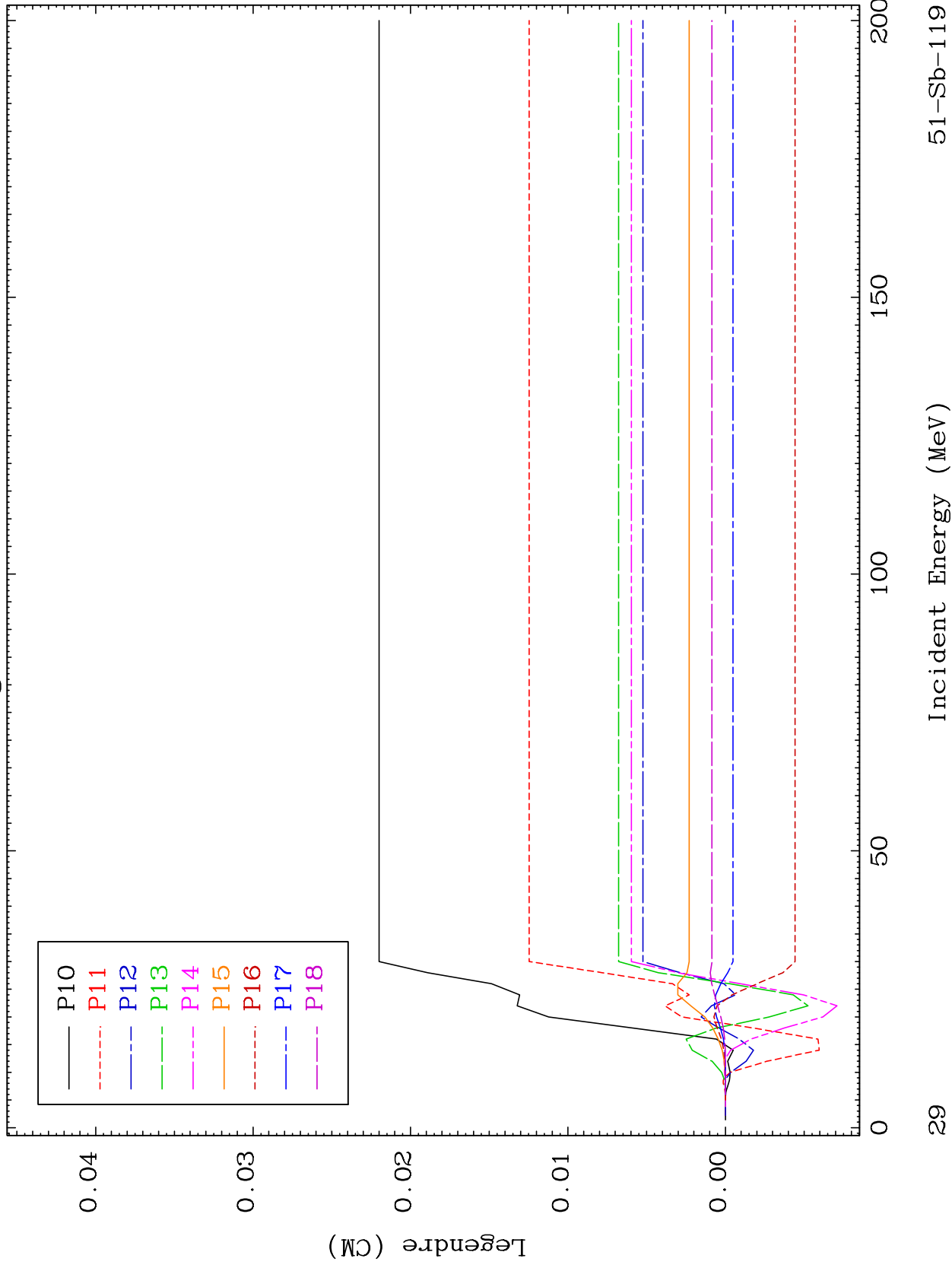
Incident Energy (MeV)

28

MAT 5119

699.9 keV (n,n') Level  
Legendre Coefficients

51-Sb-119



29

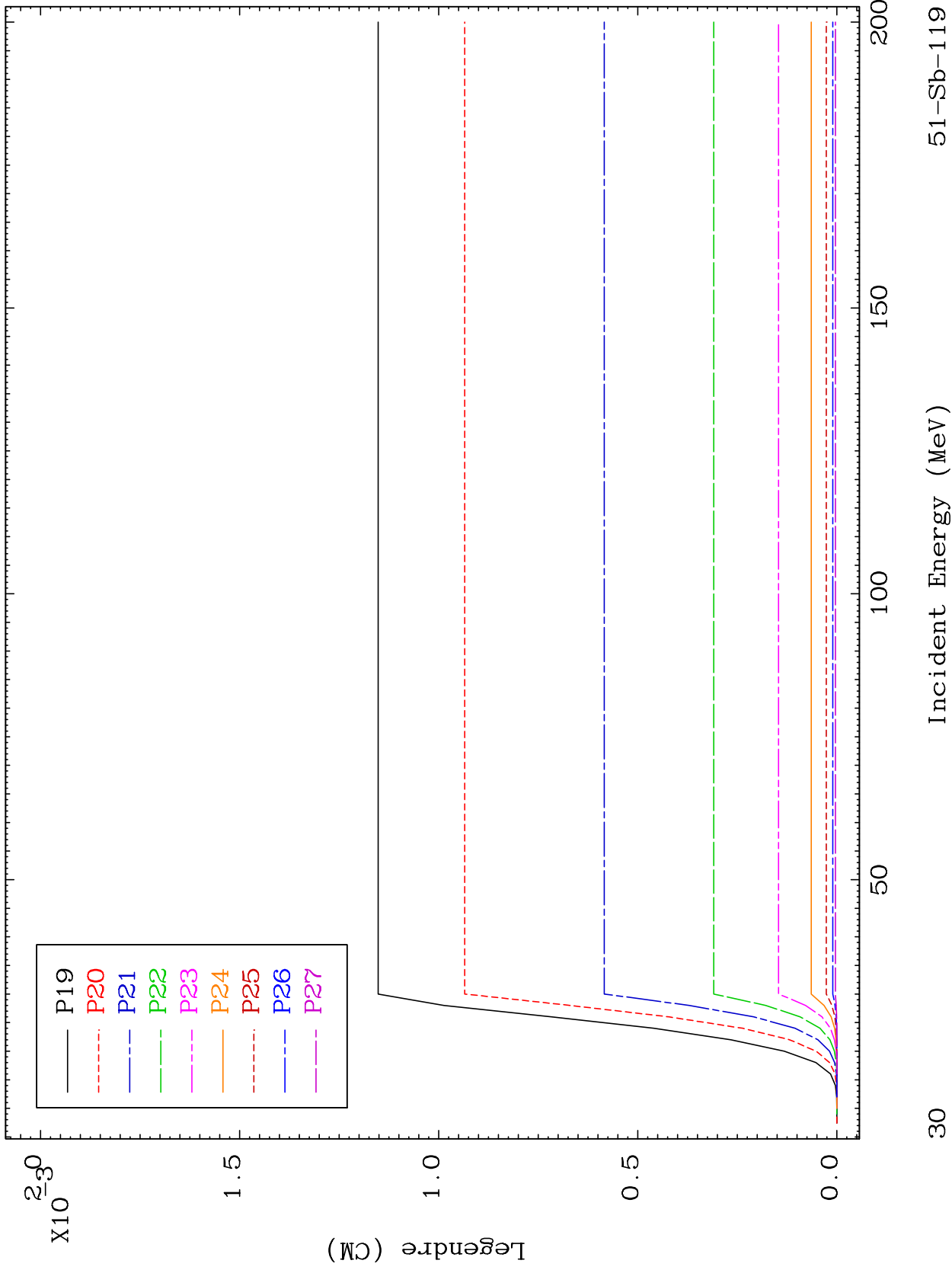
Incident Energy (MeV)

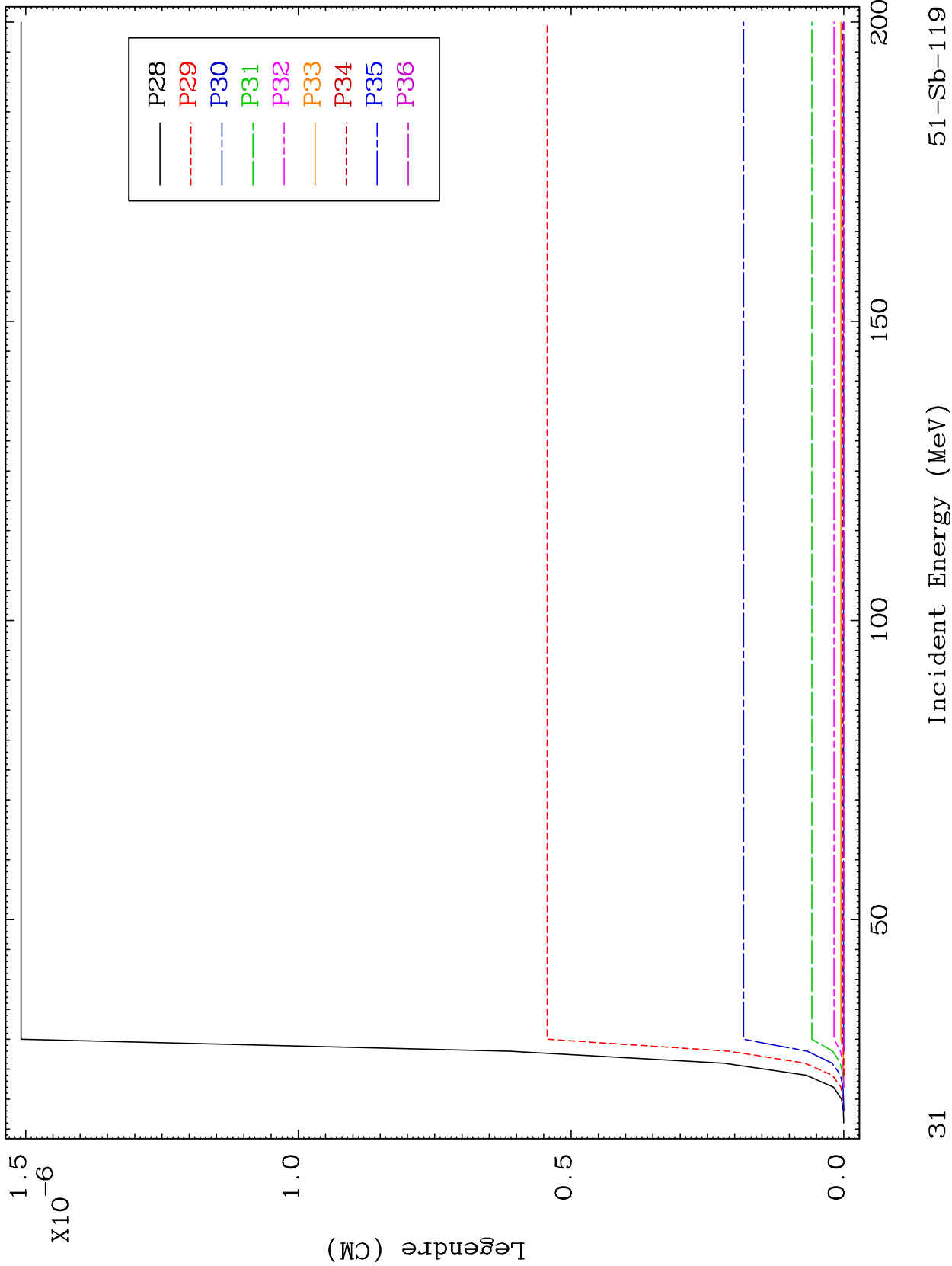
51-Sb-119

MAT 5119

699.9 keV (n,n') Level  
Legendre Coefficients

51-Sb-119



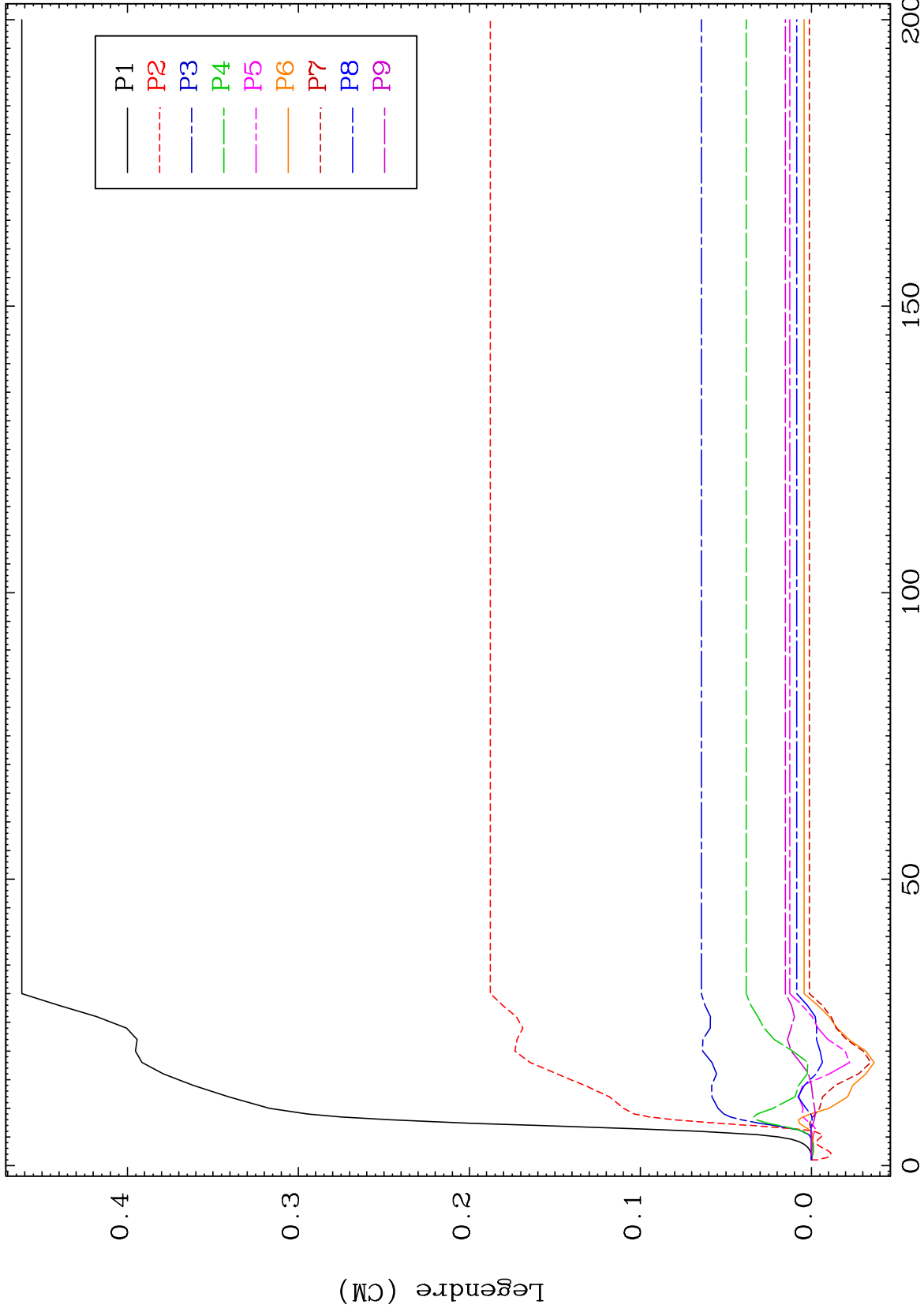




MAT 5119

970.9 keV (n,n') Level  
Legendre Coefficients

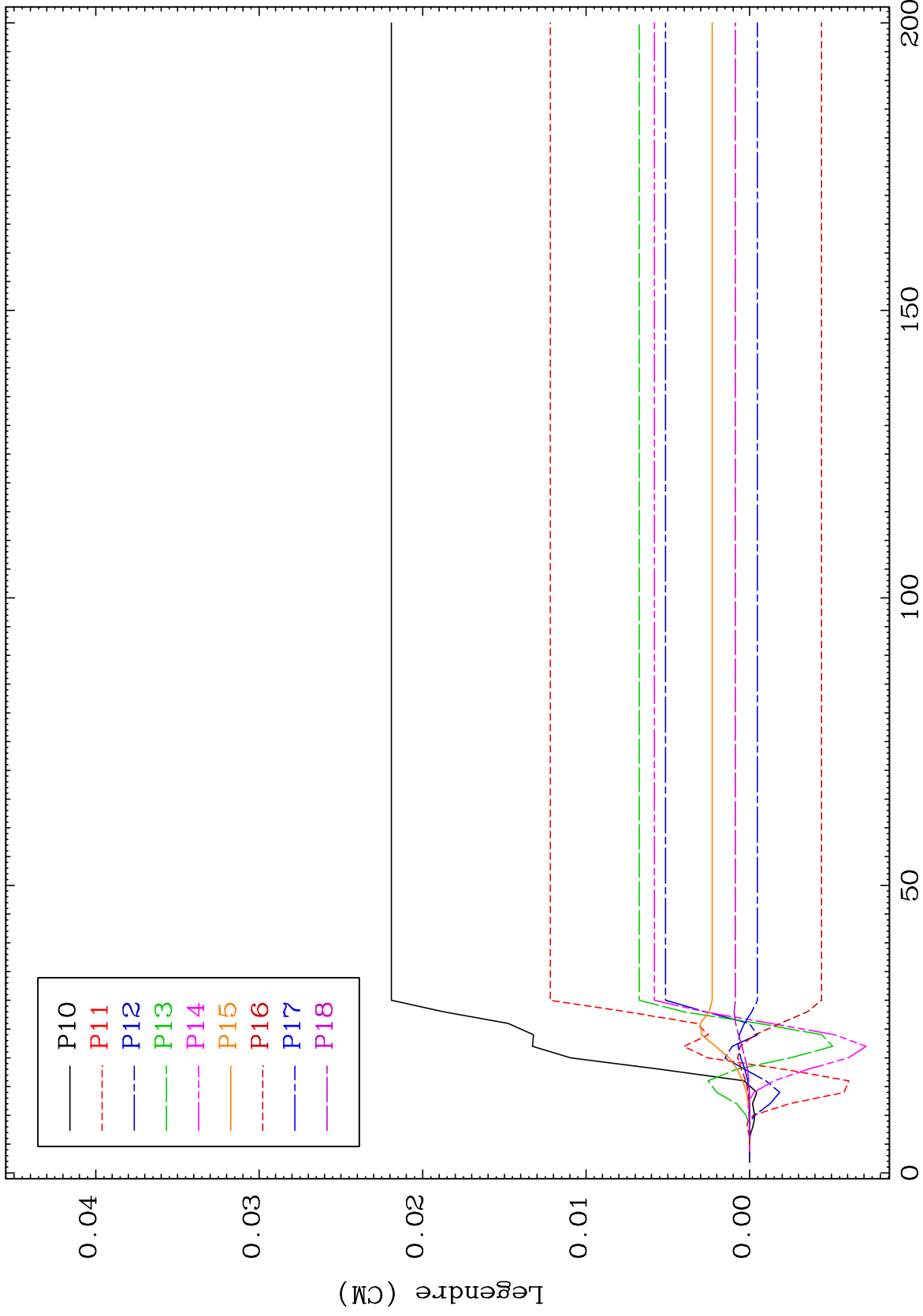
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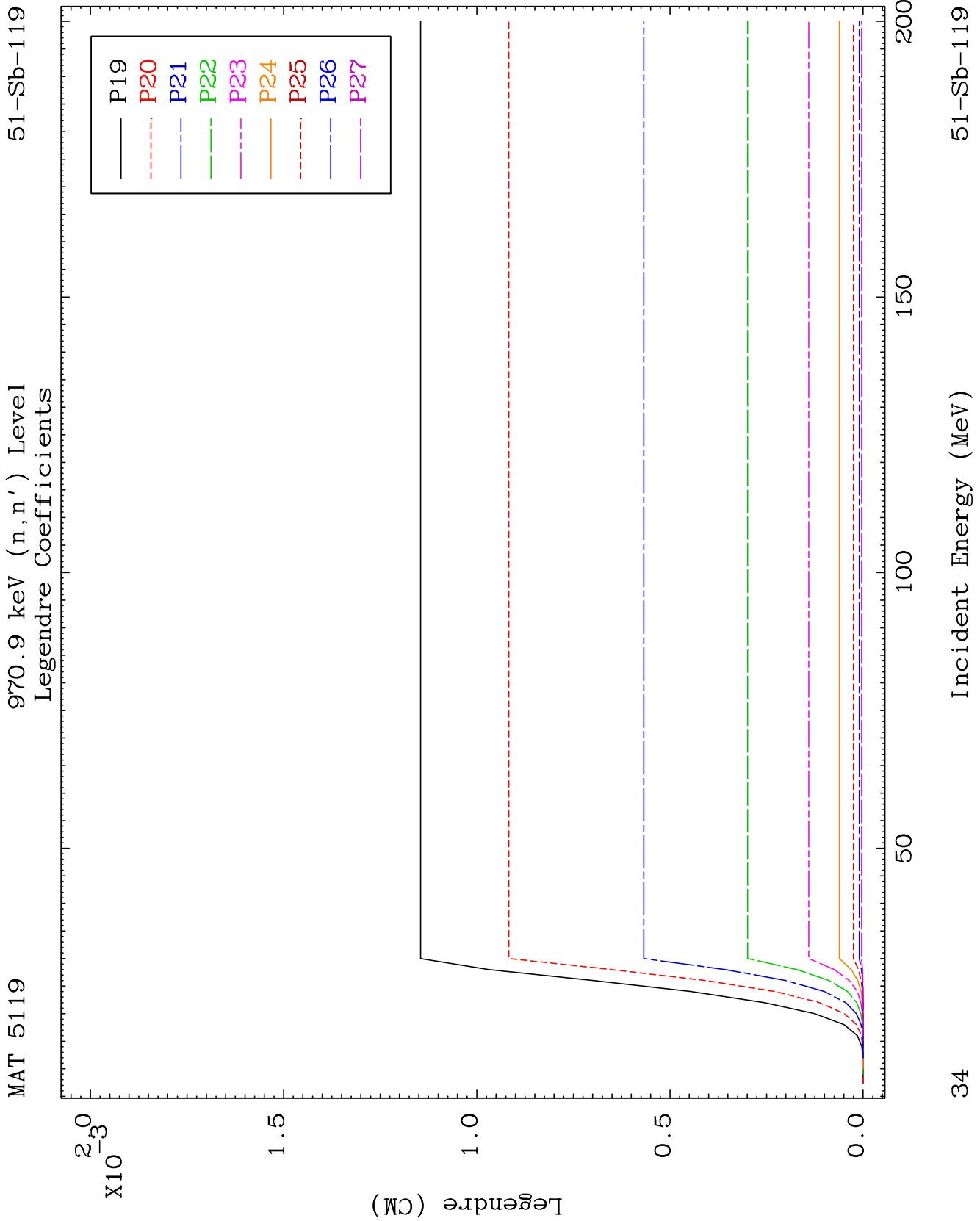


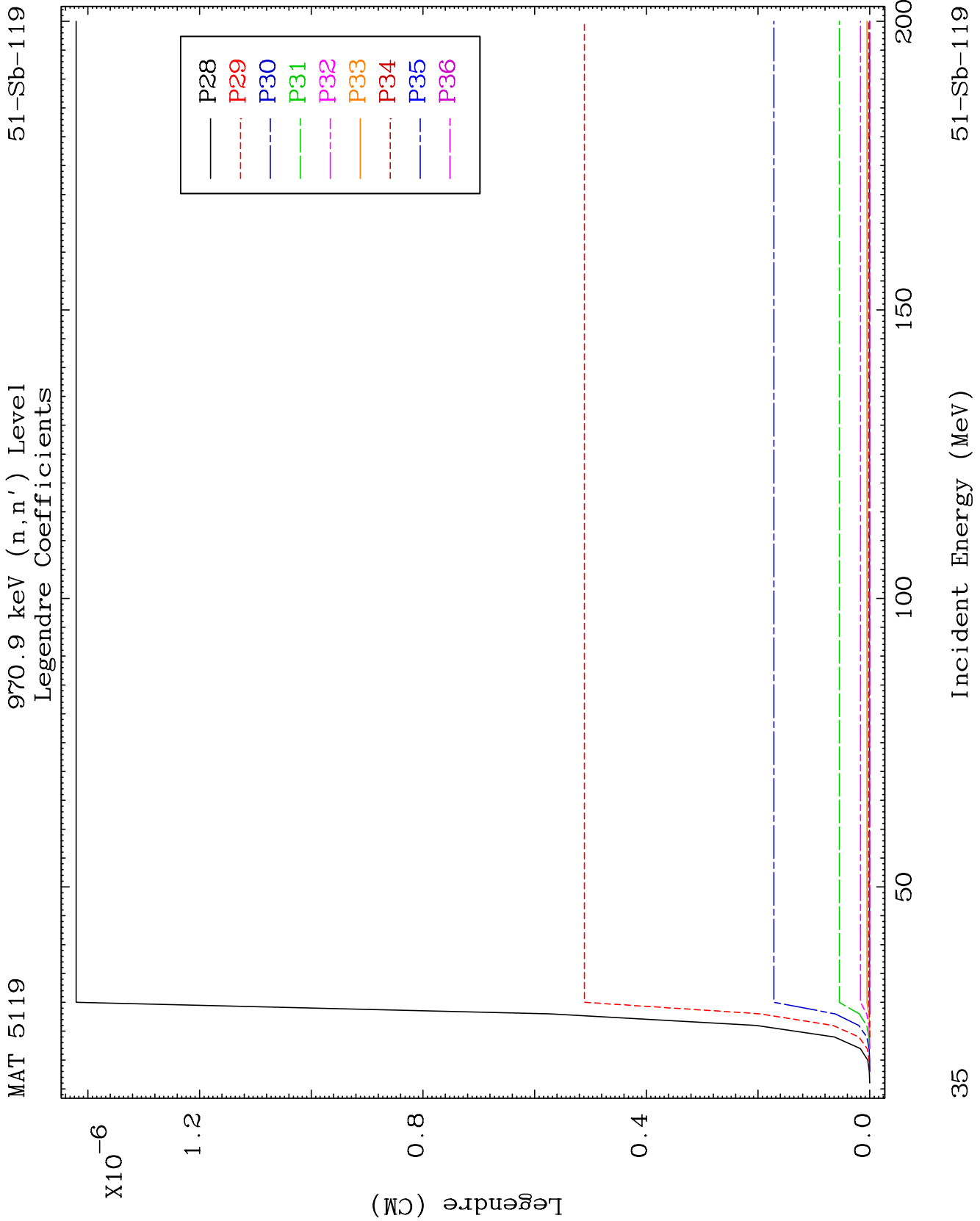
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Incident Energy (MeV)

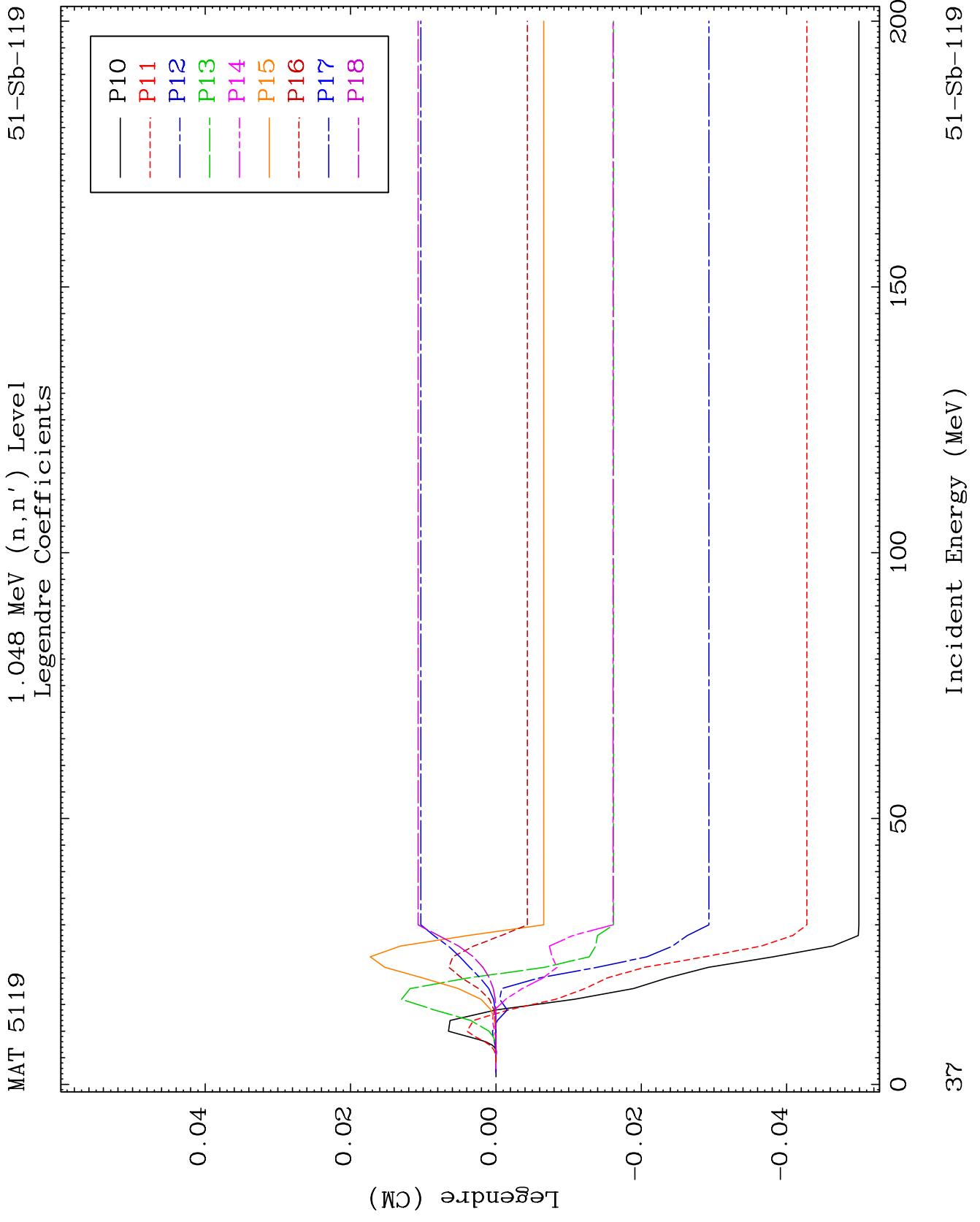
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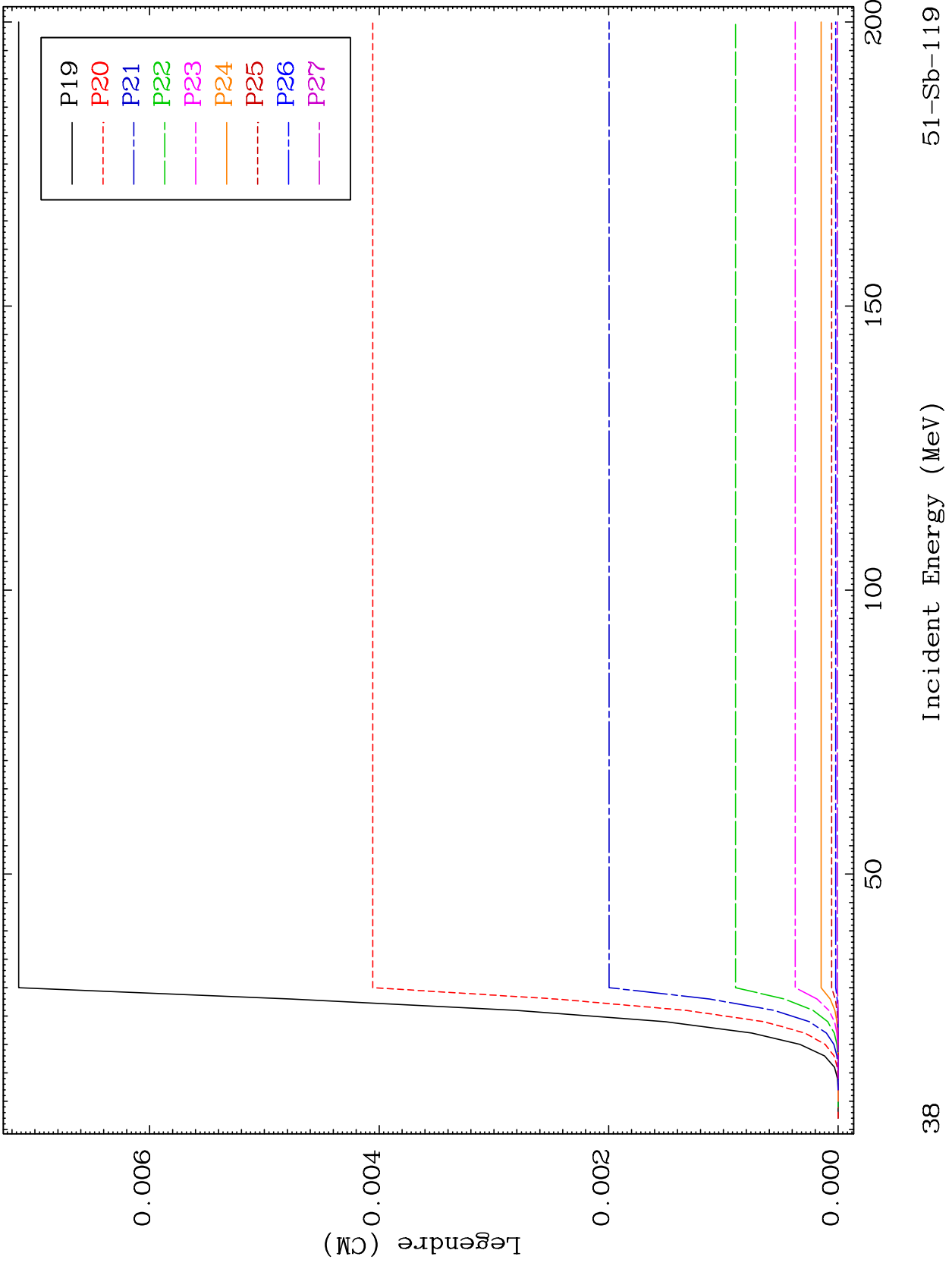








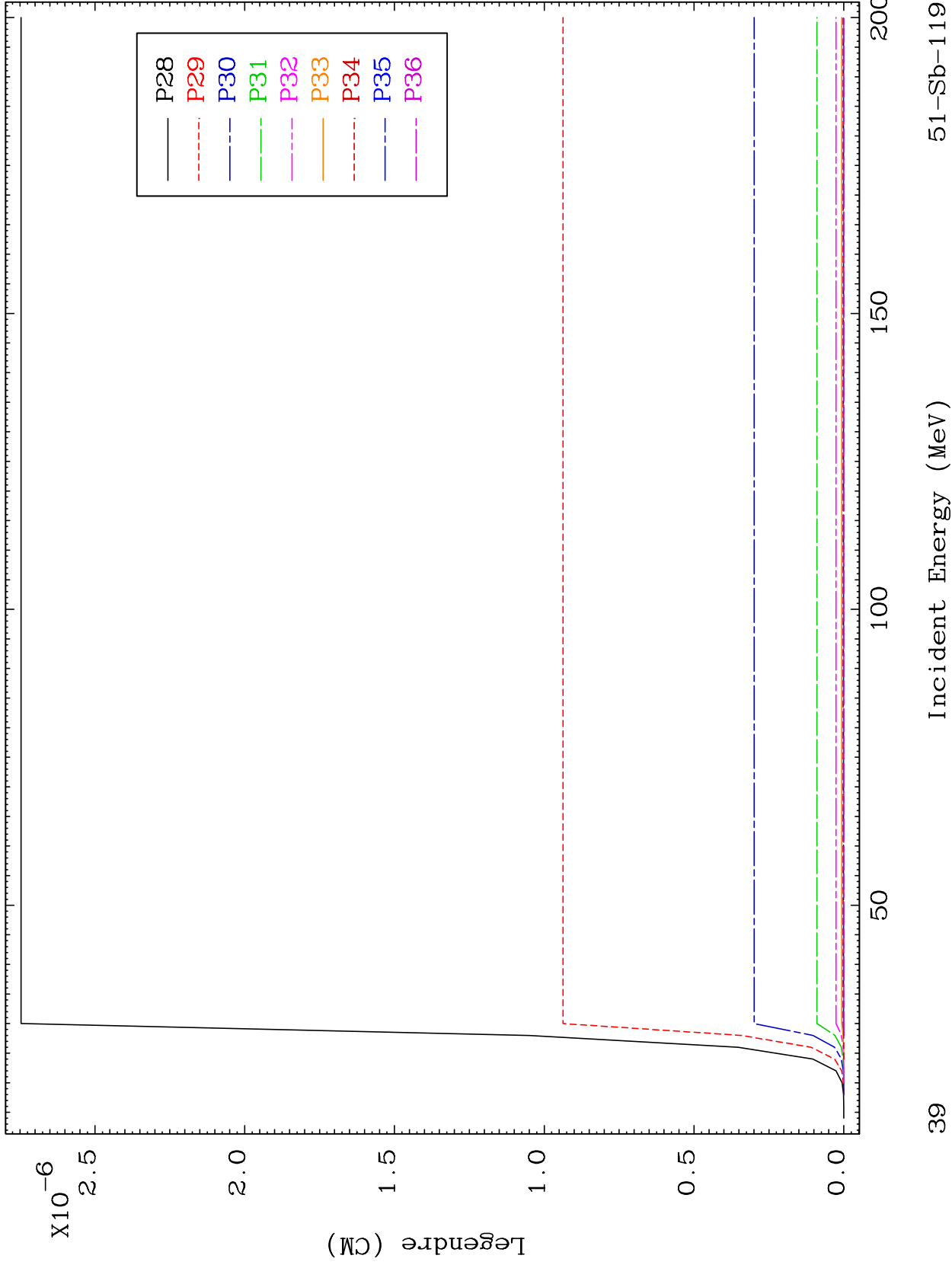




MAT 5119

1.048 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119

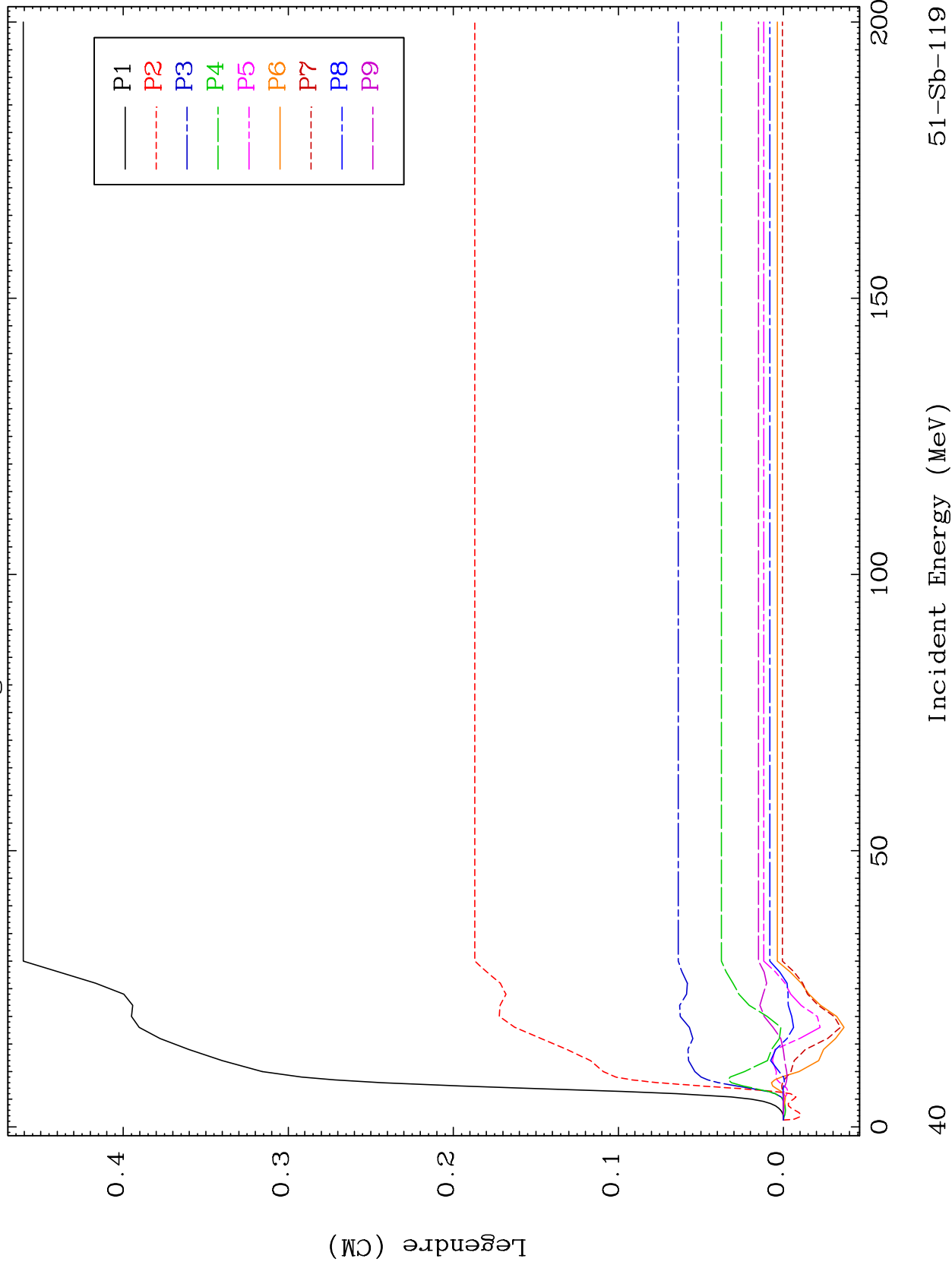




MAT 5119

1.213 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119



51-Sb-119

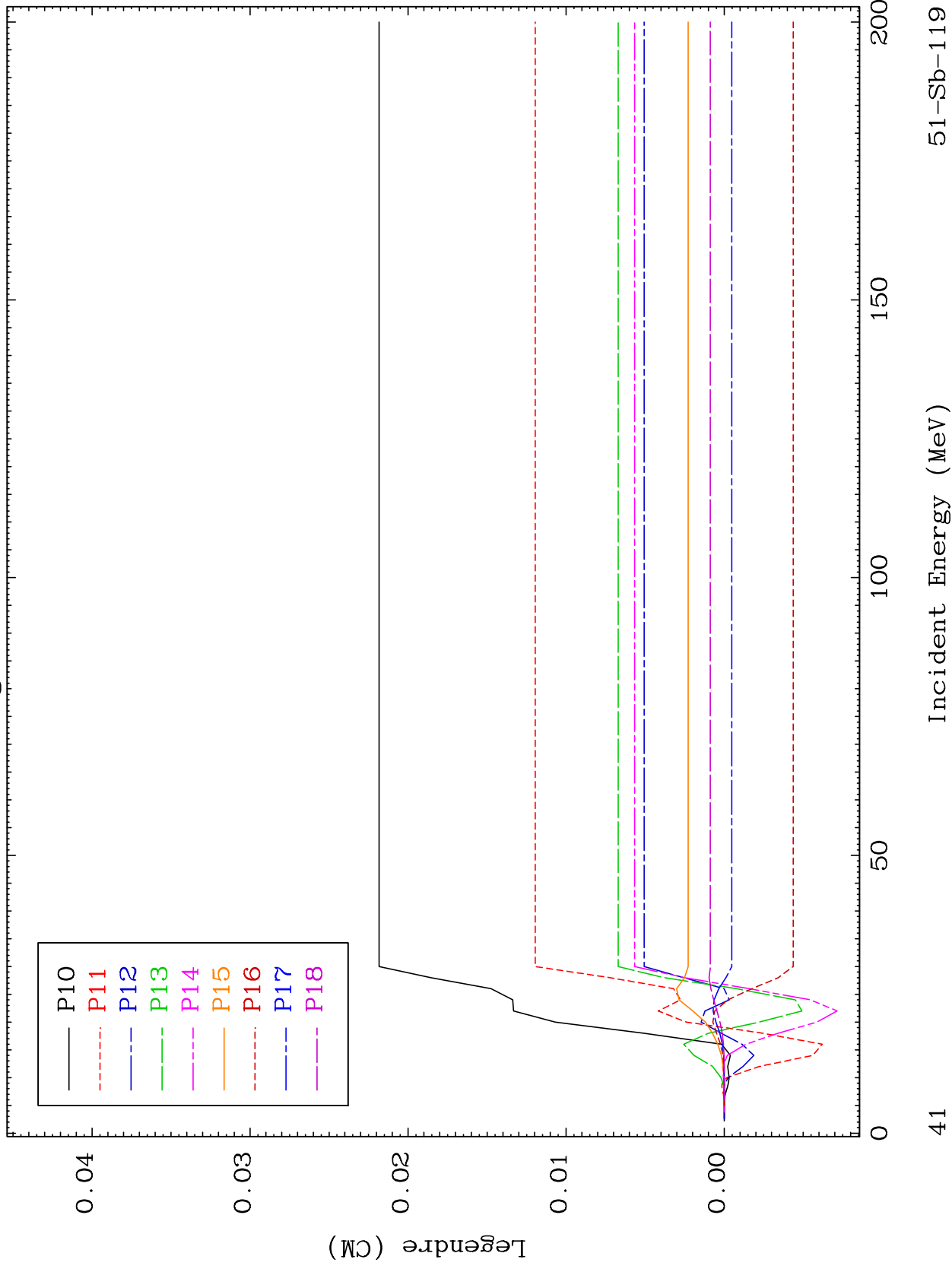
Incident Energy (MeV)

40

MAT 5119

1.213 MeV (n,n') Level  
Legendre Coefficients

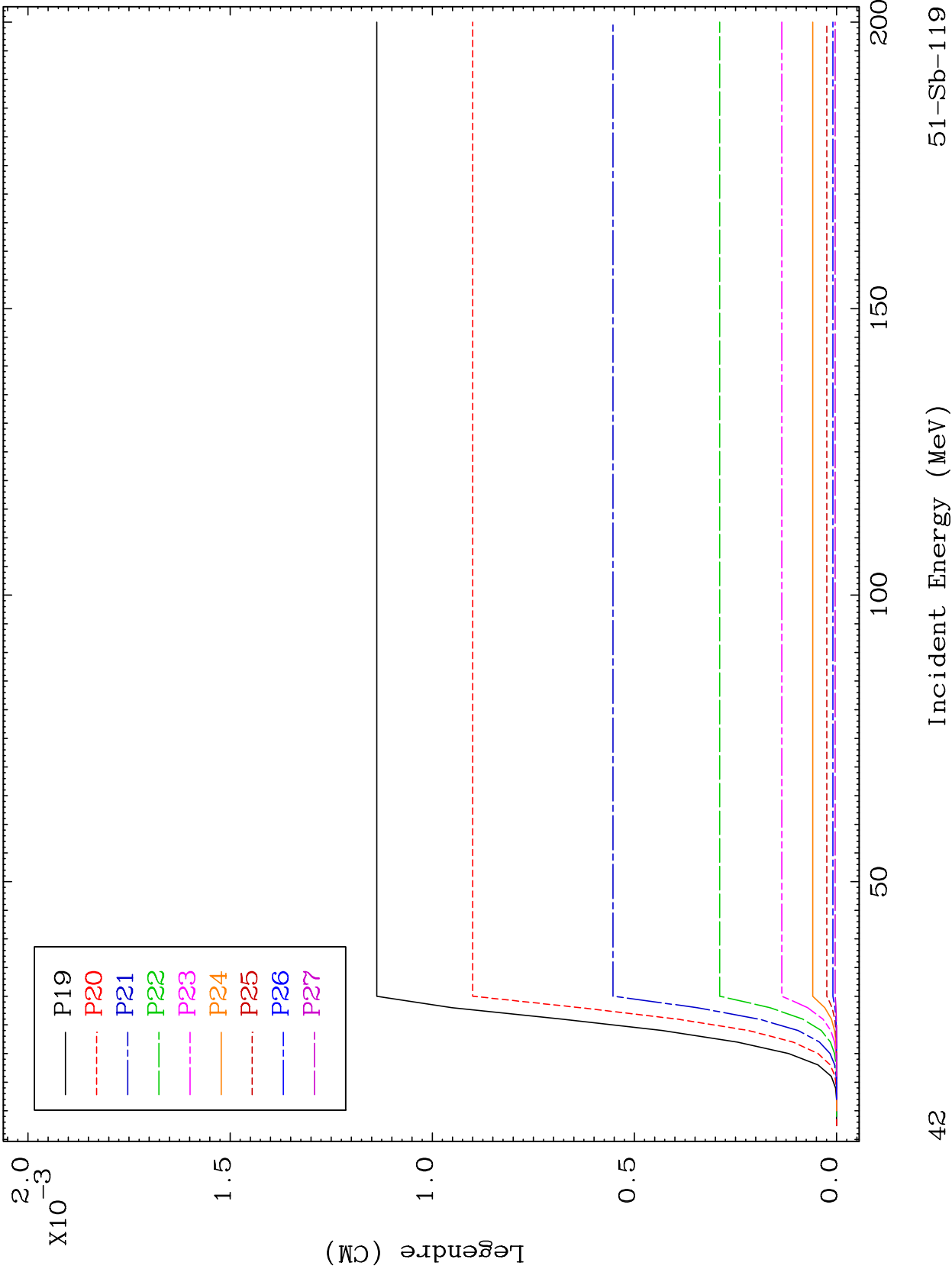
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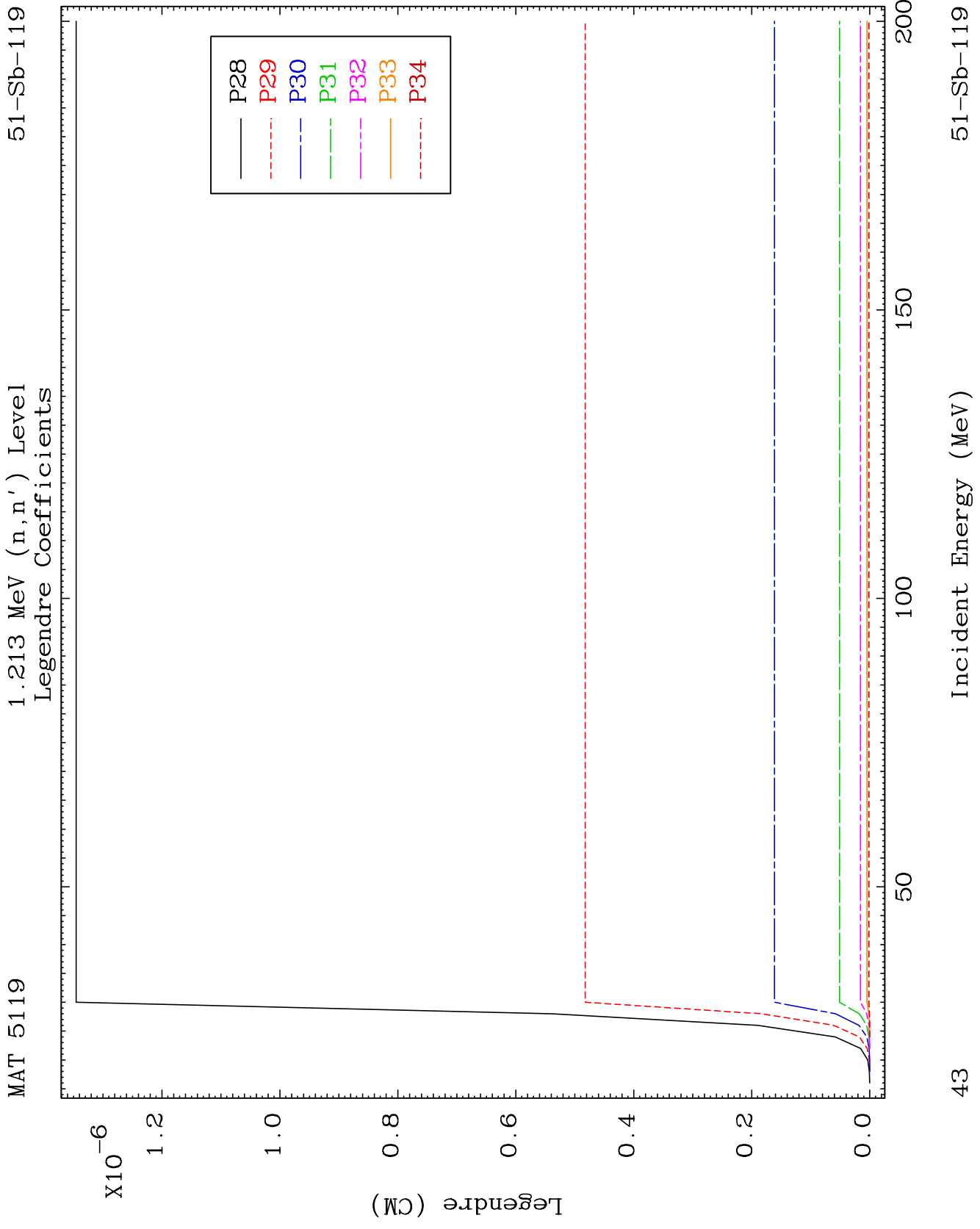


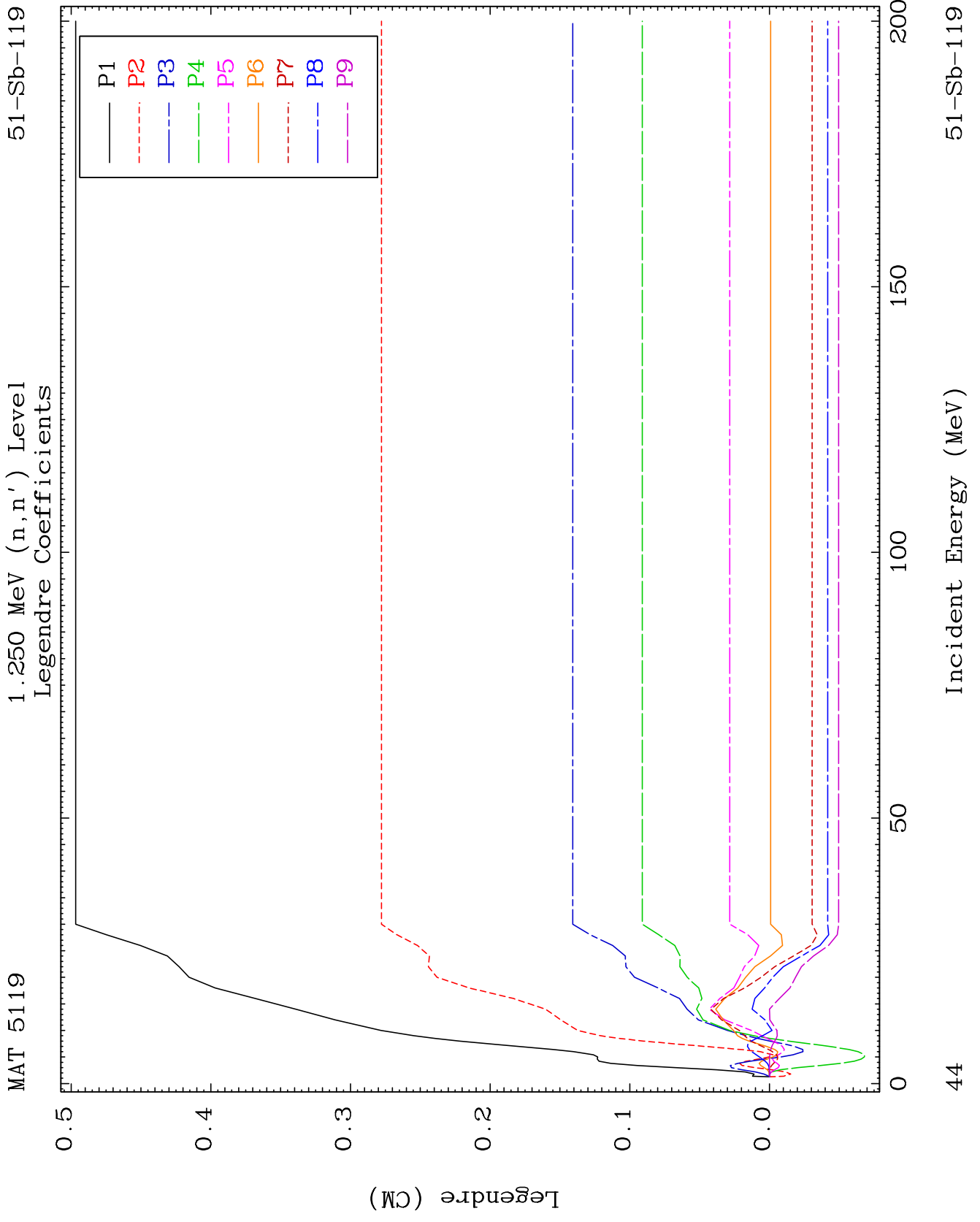
41

Incident Energy (MeV)

51-Sb-119





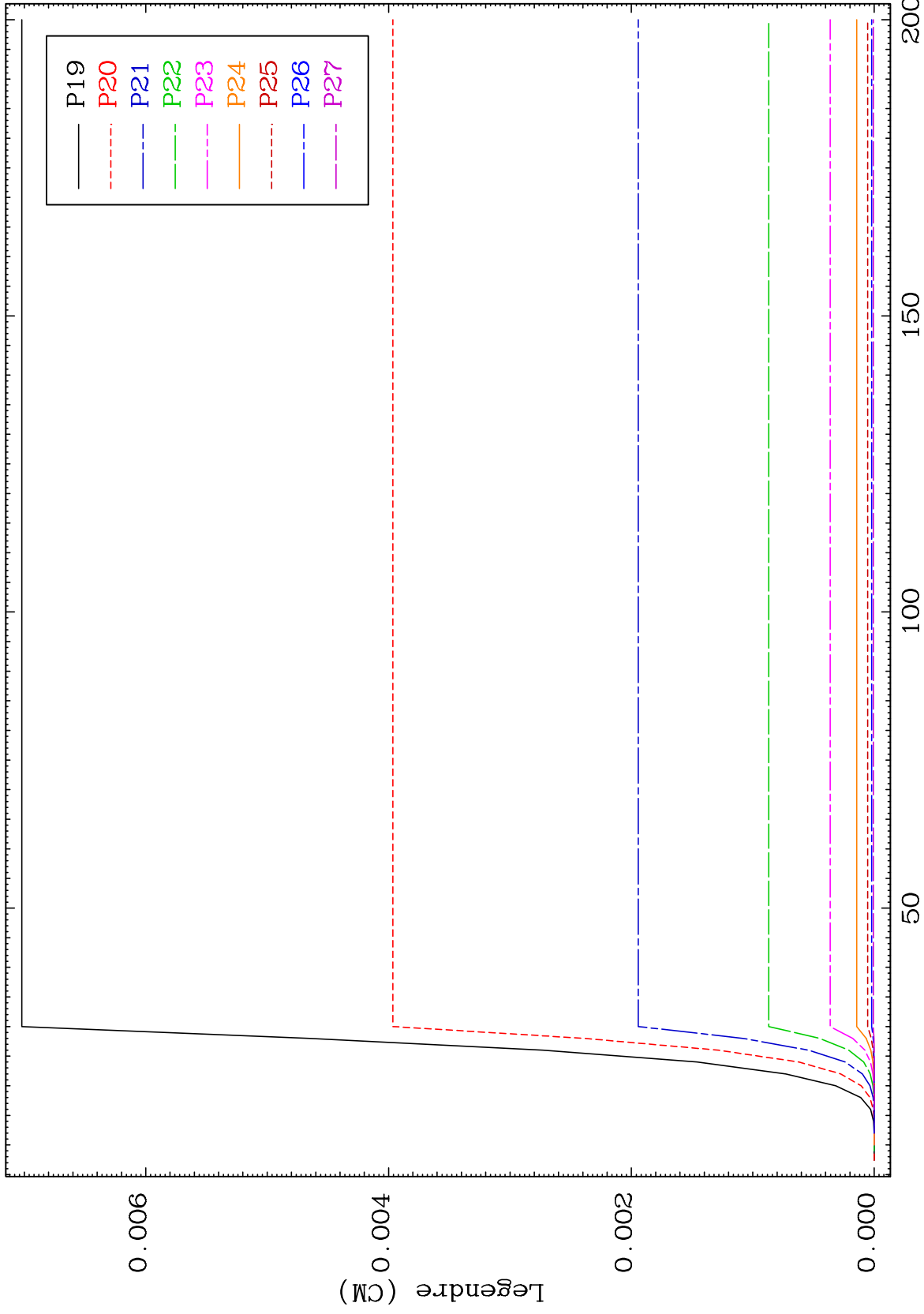




MAT 5119

1.250 MeV (n,n') Level  
Legendre Coefficients

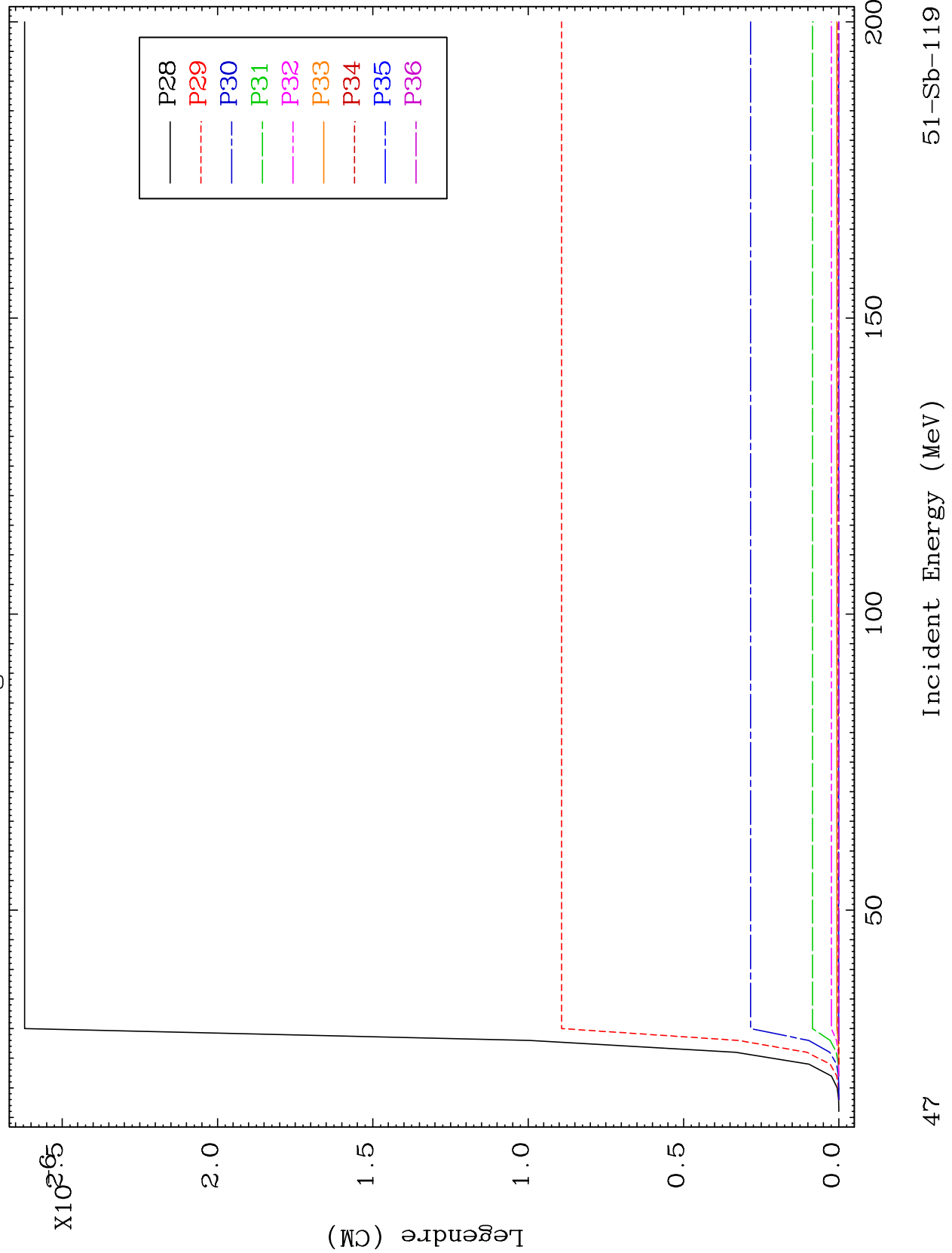
51-Sb-119



46

Incident Energy (MeV)

51-Sb-119



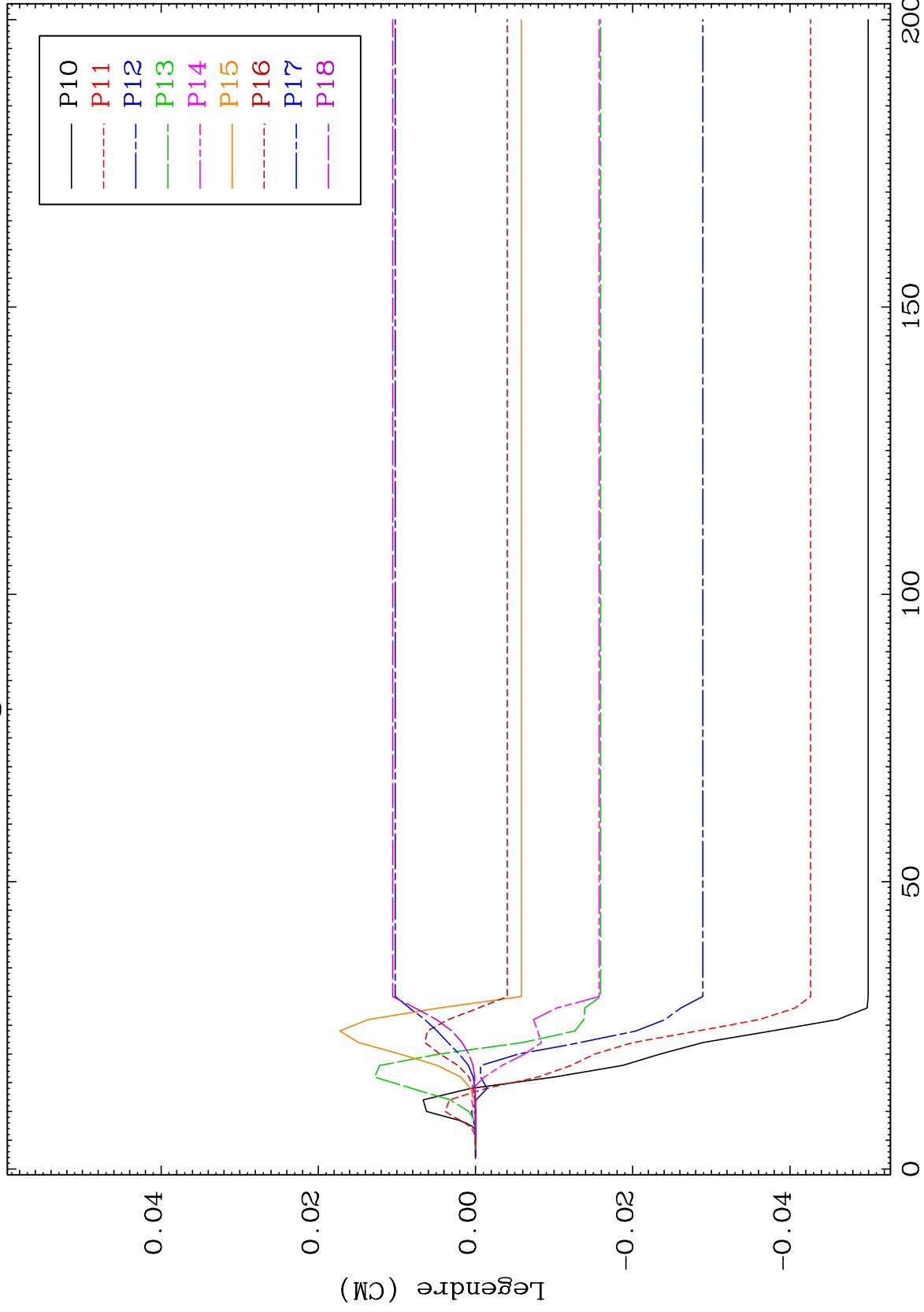




MAT 5119

1.327 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119



49

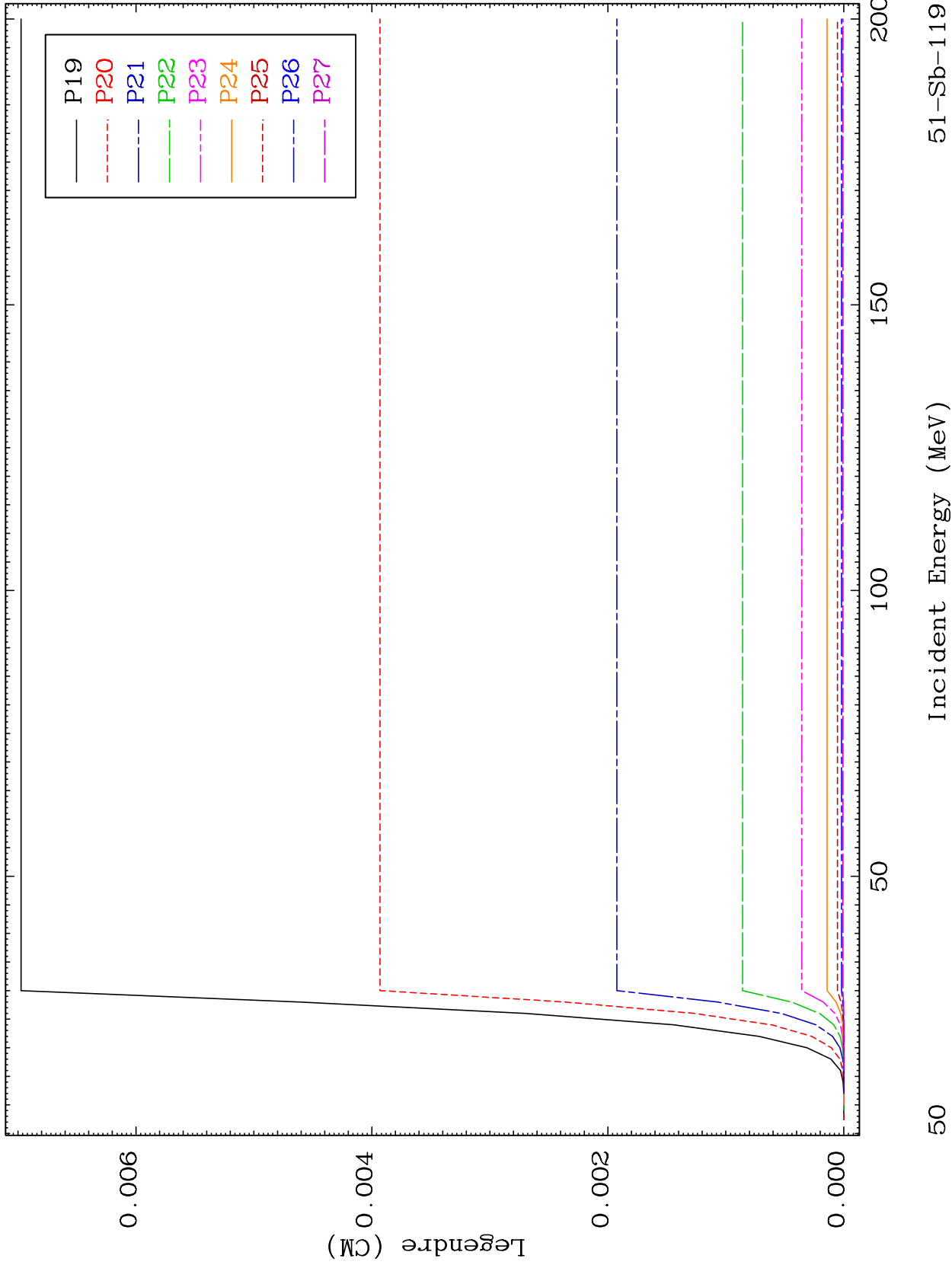
Incident Energy (MeV)

51-Sb-119

MAT 5119

1.327 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119



51-Sb-119

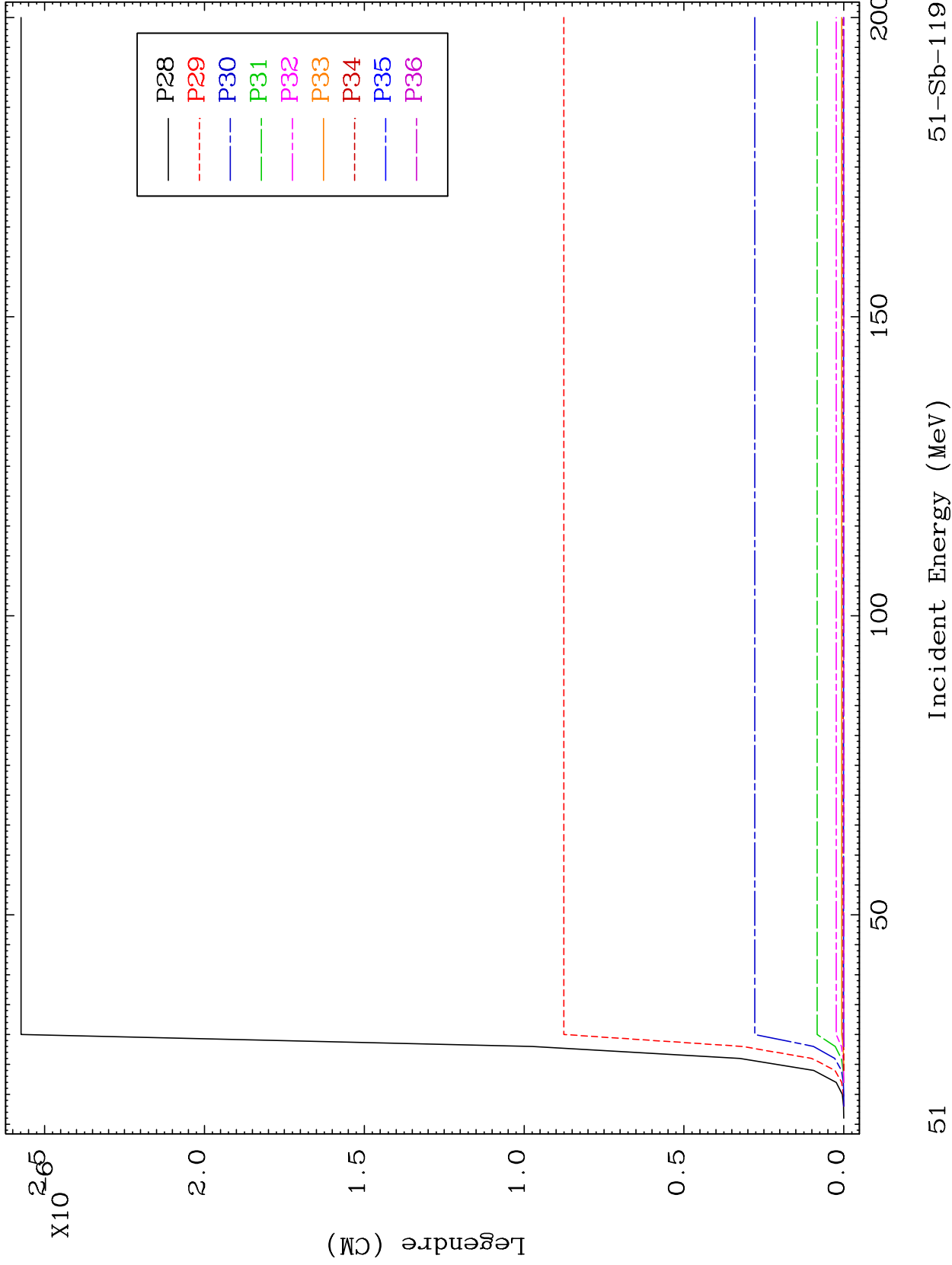
Incident Energy (MeV)

50

MAT 5119

1.327 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119



51

Incident Energy (MeV)

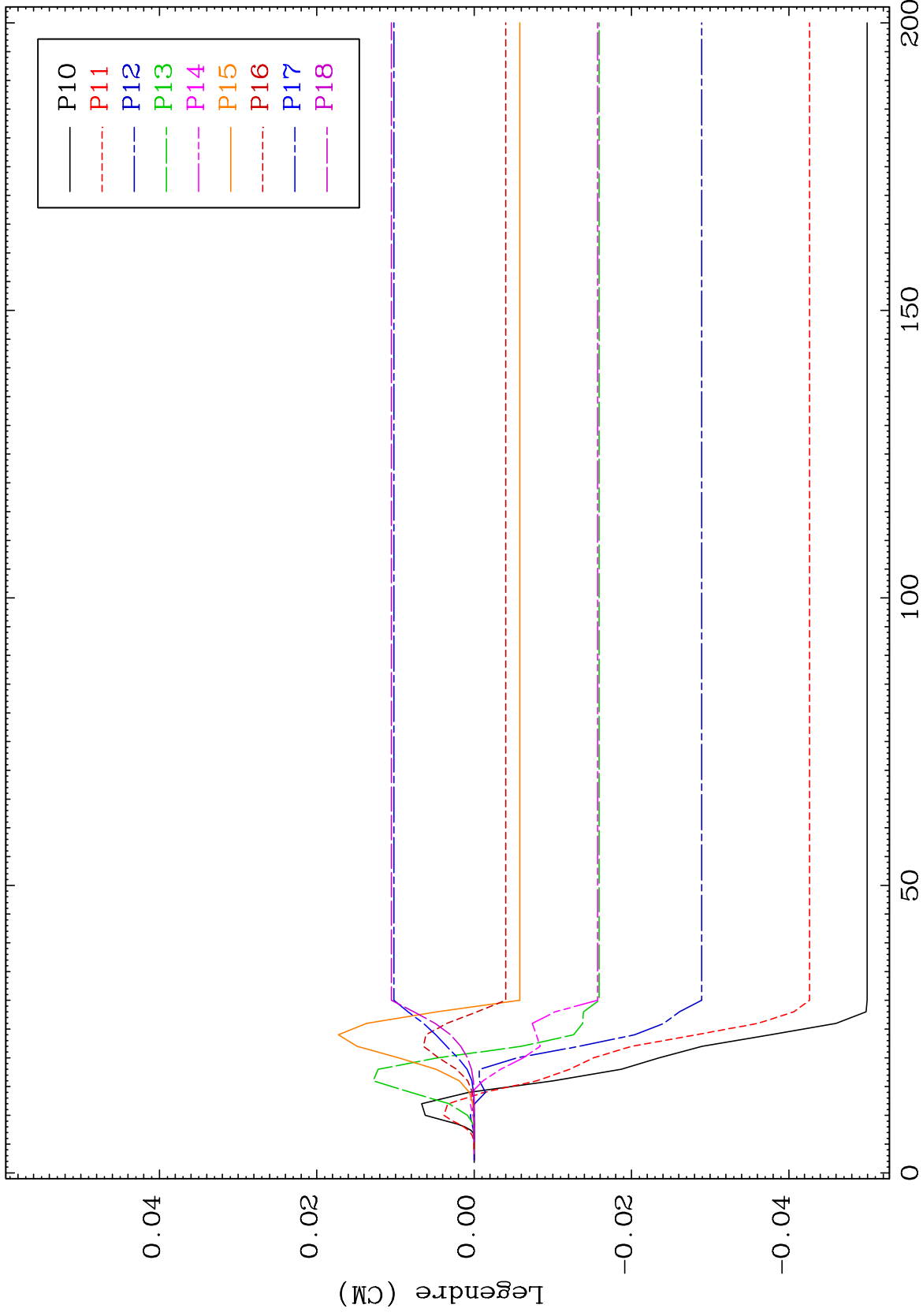
51-Sb-119



MAT 5119

1.339 MeV (n,n') Level  
Legendre Coefficients

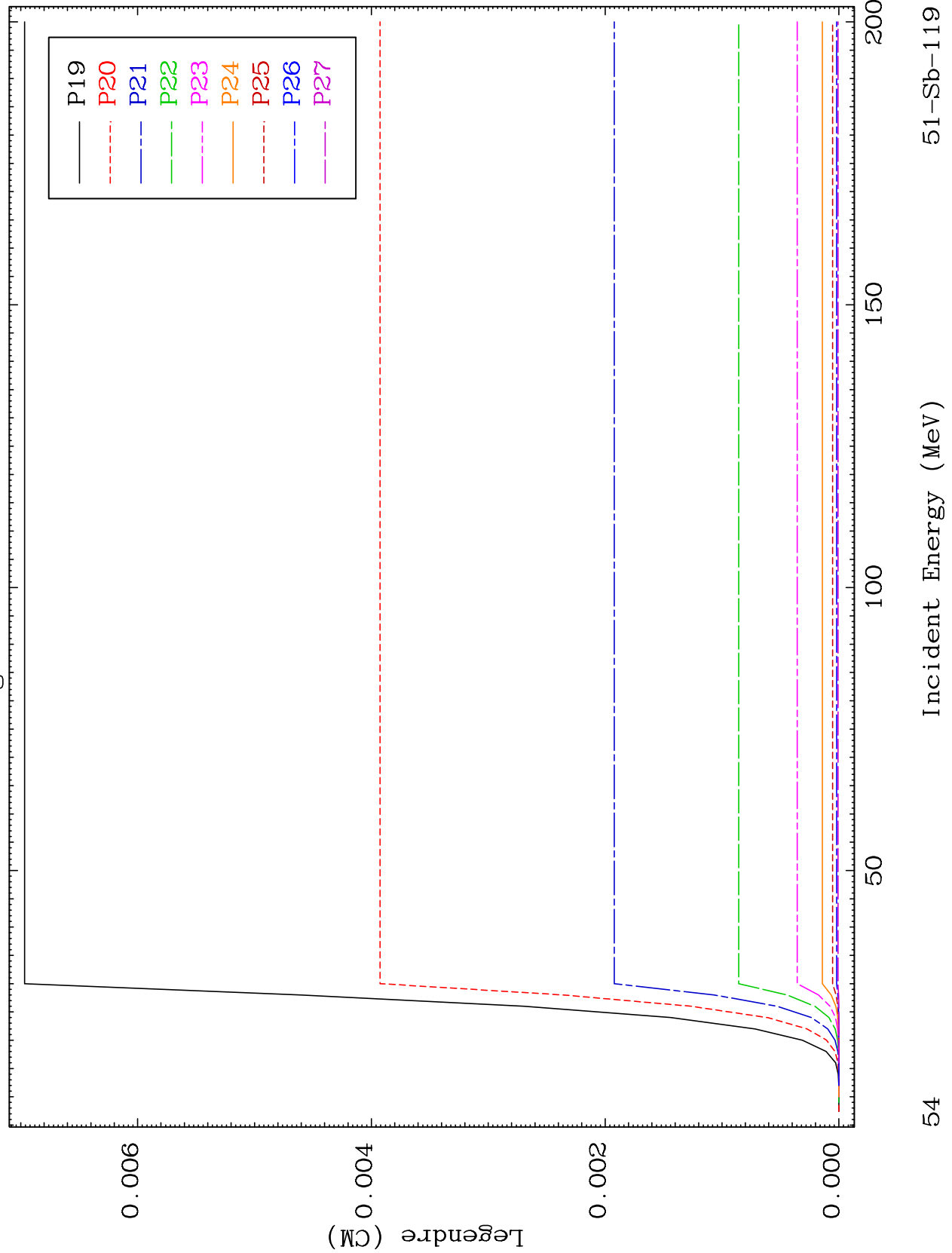
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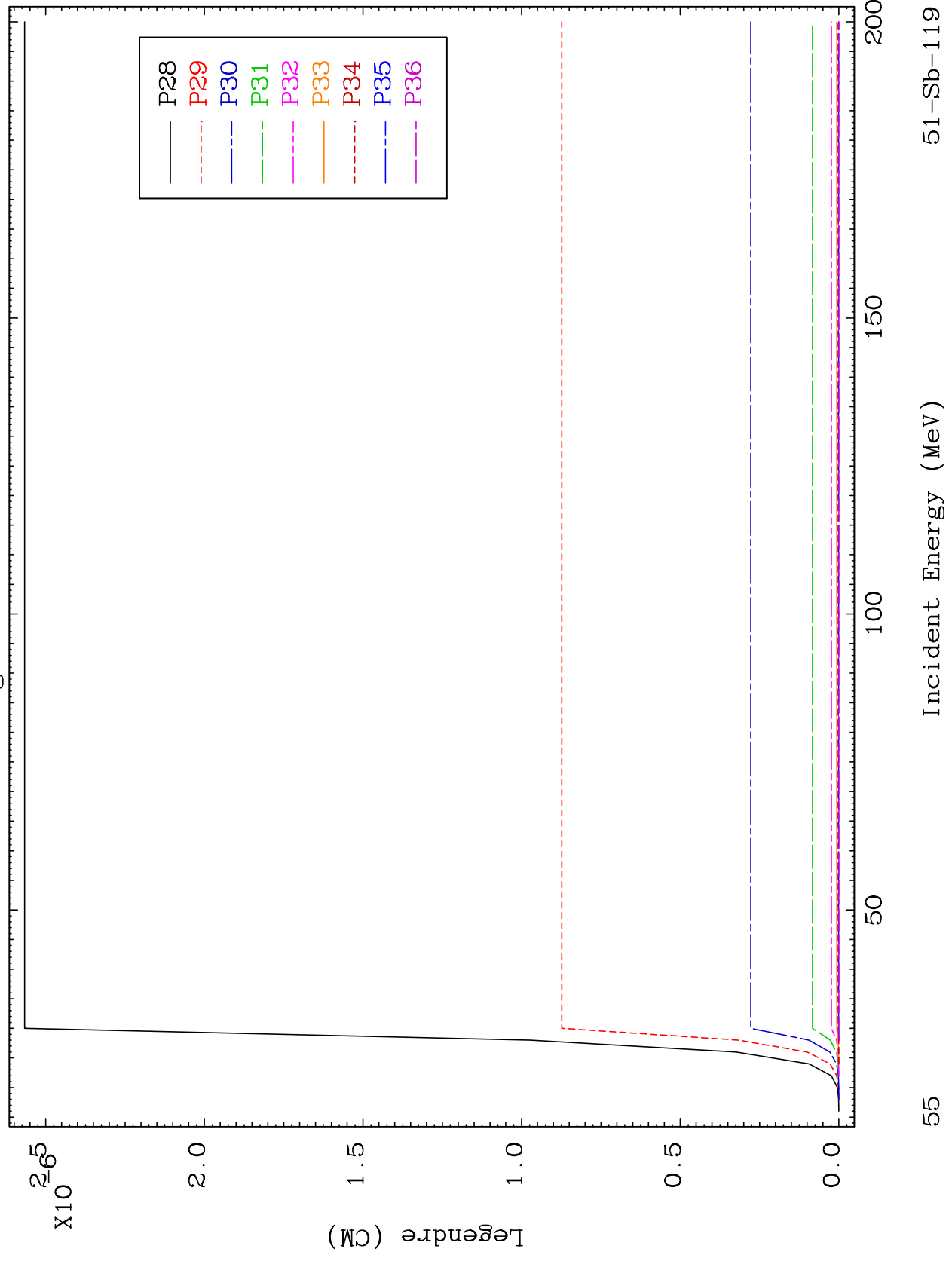


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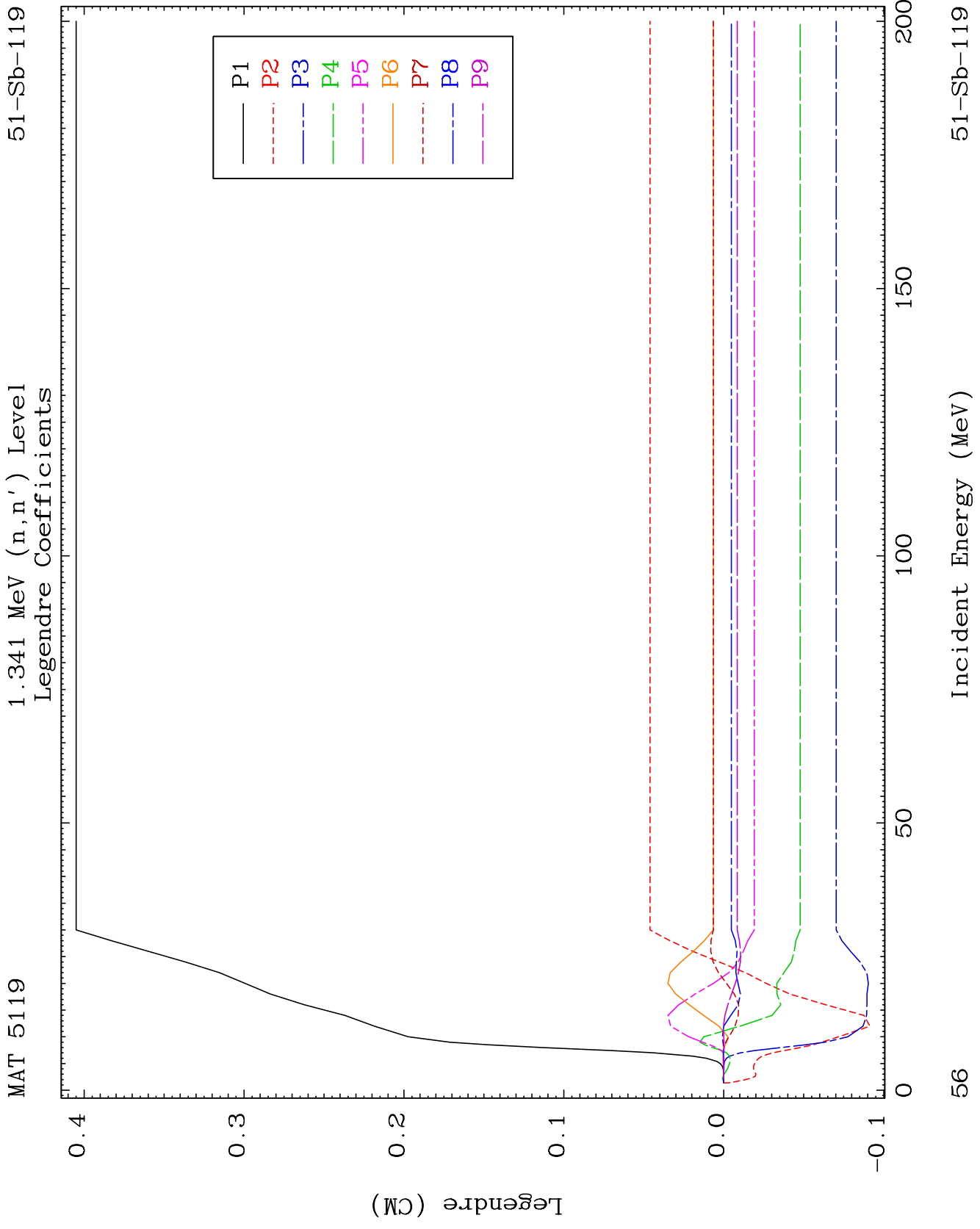
Incident Energy (MeV)

51-Sb-119





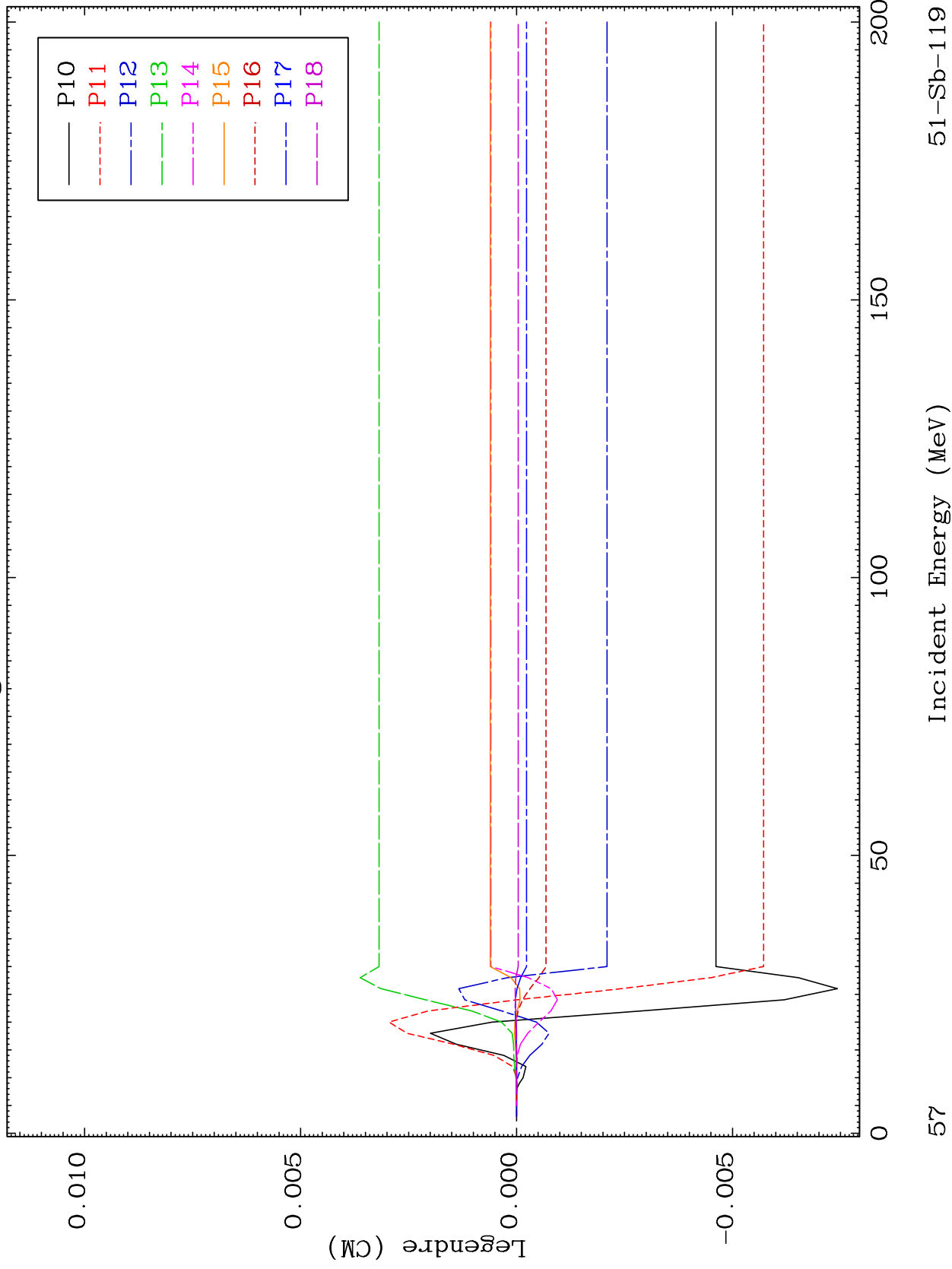


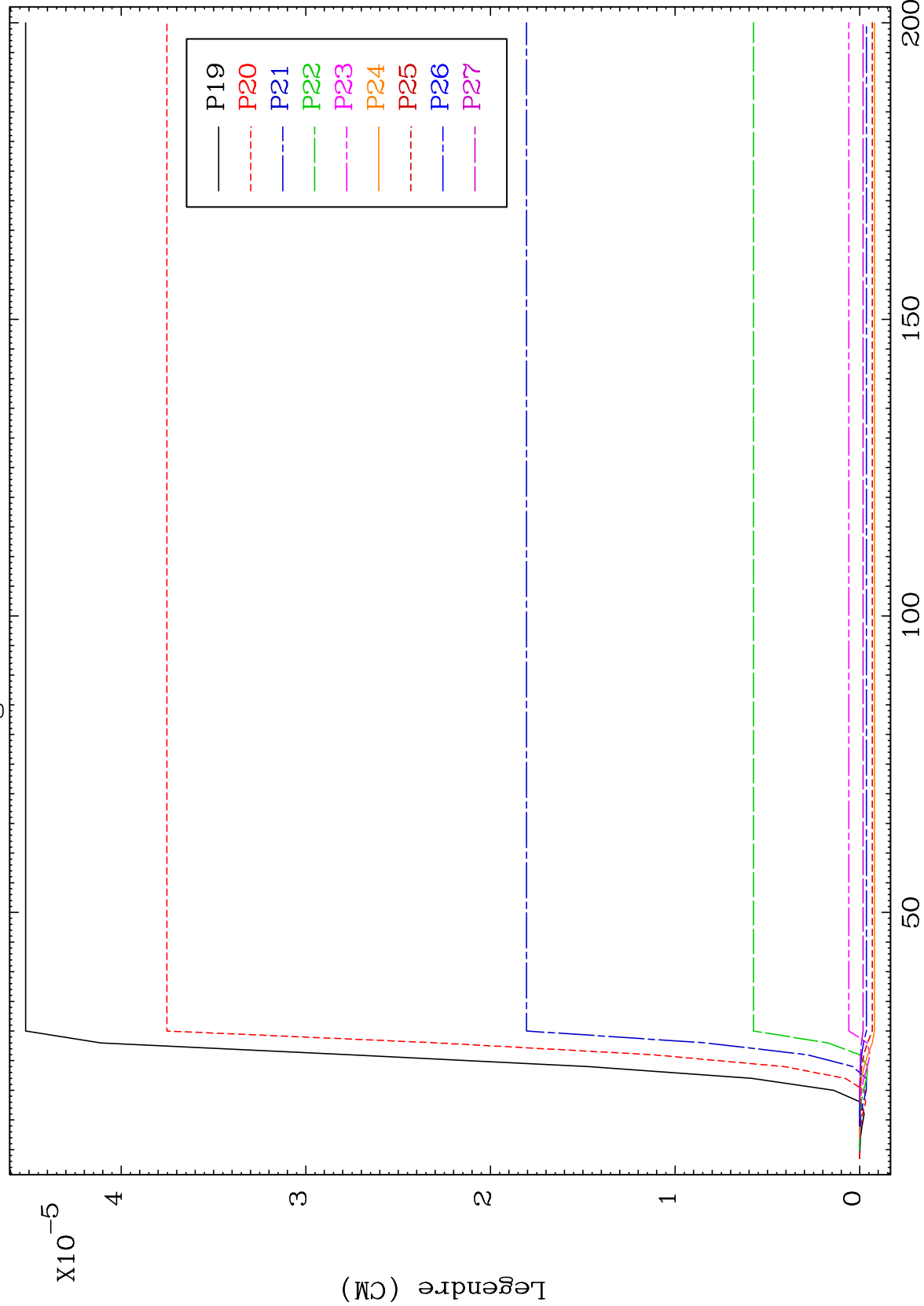


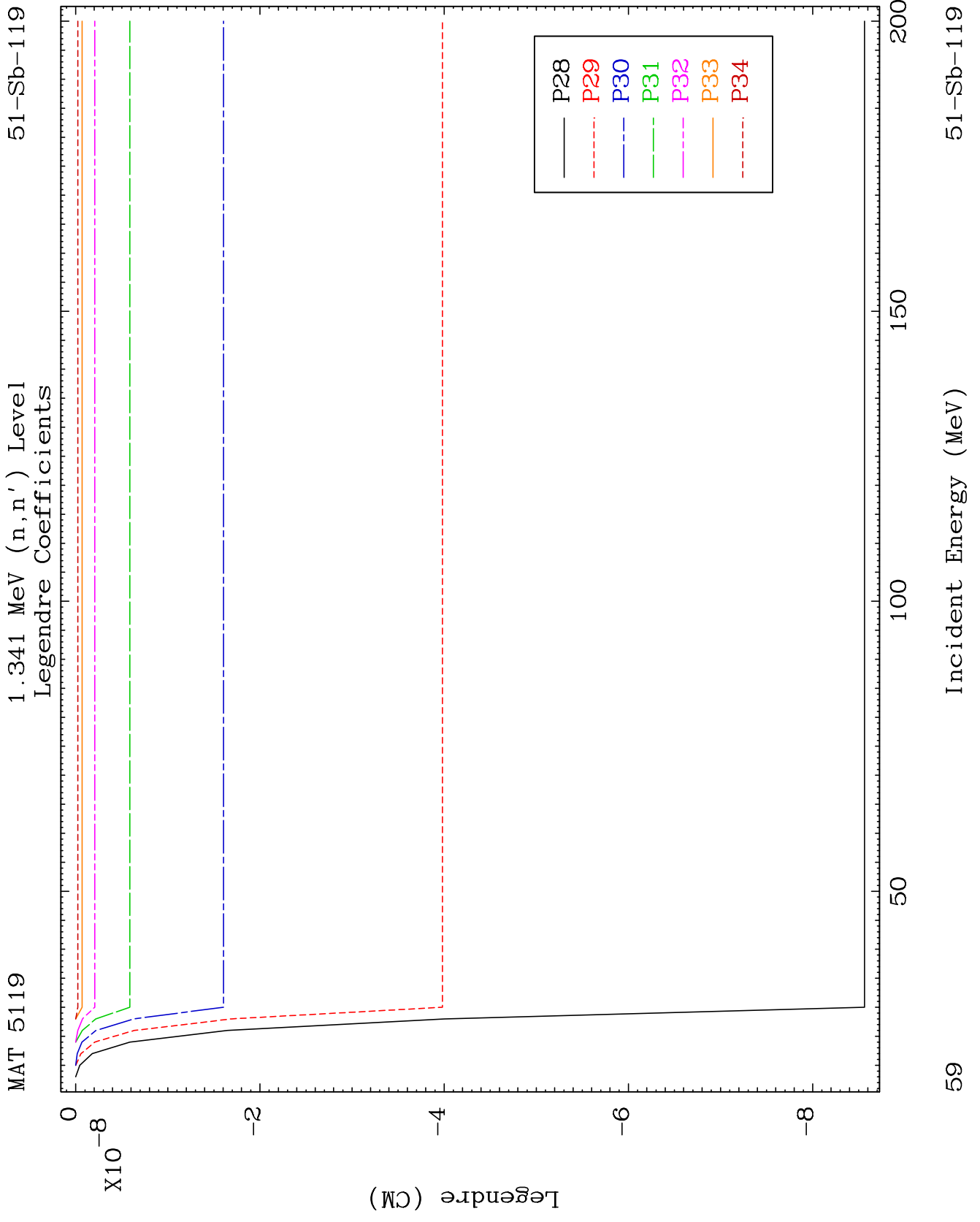
MAT 5119

1.341 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119



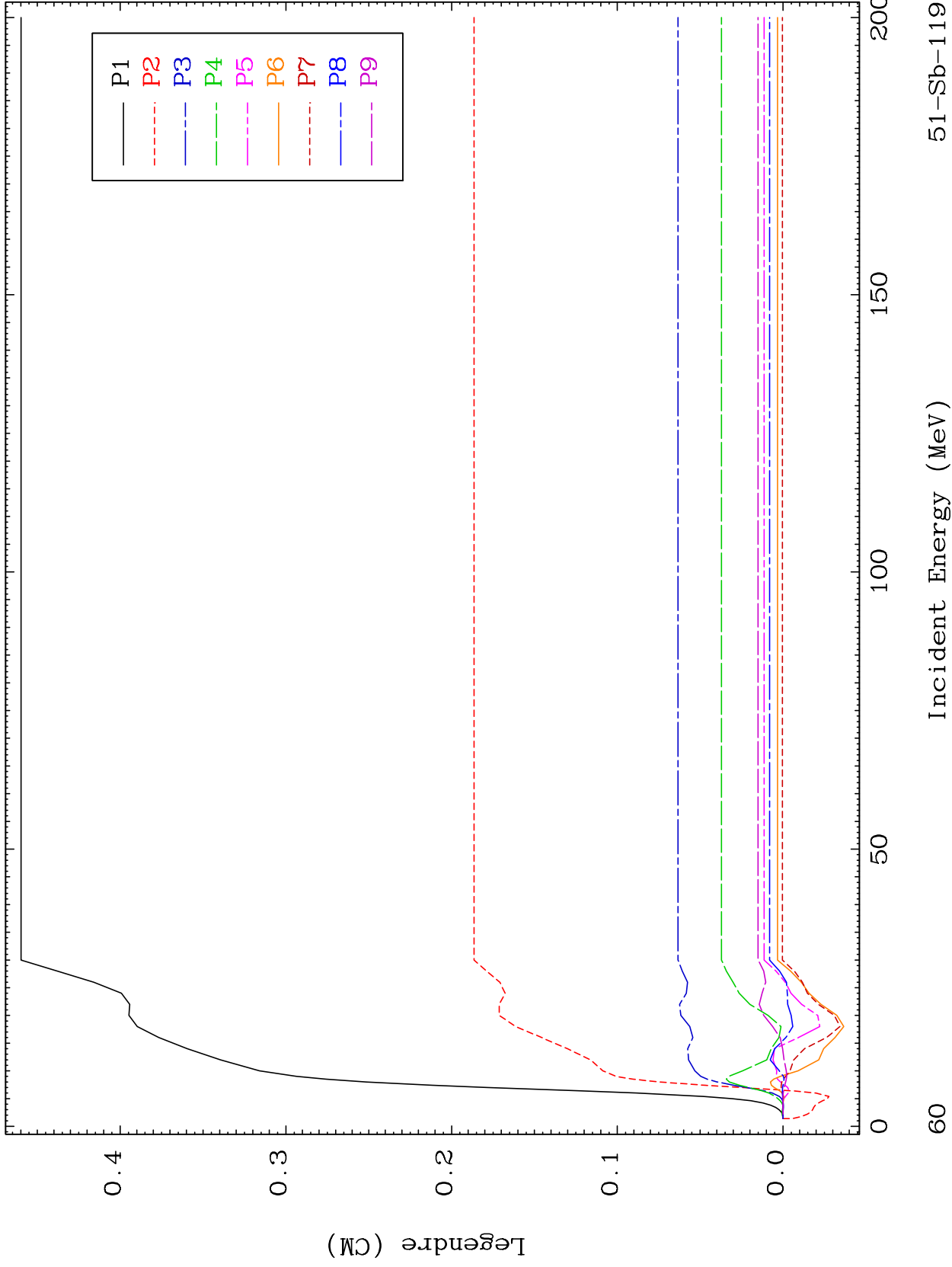




MAT 5119

1.366 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119

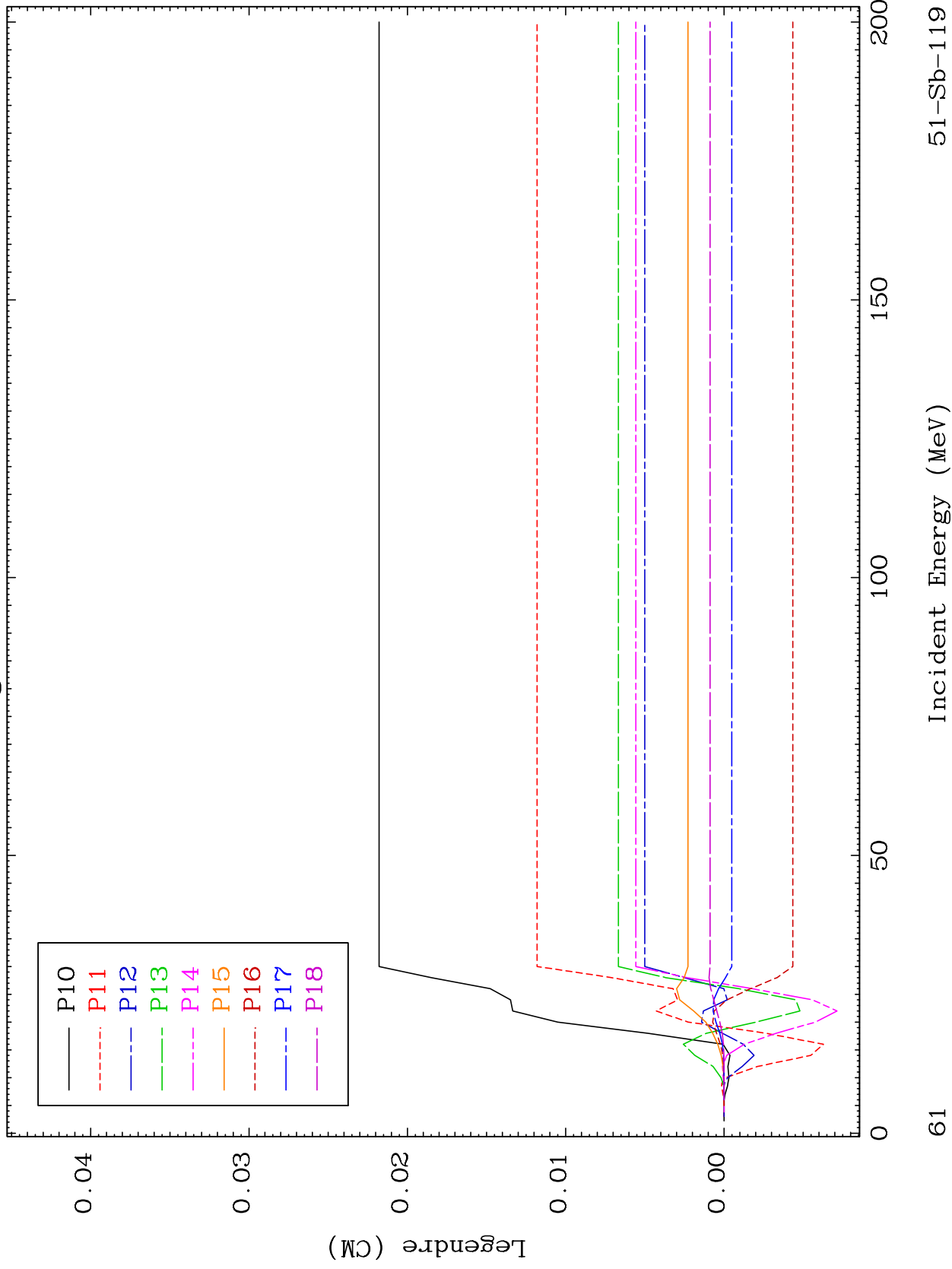


51-Sb-119

MAT 5119

1.366 MeV (n,n') Level  
Legendre Coefficients

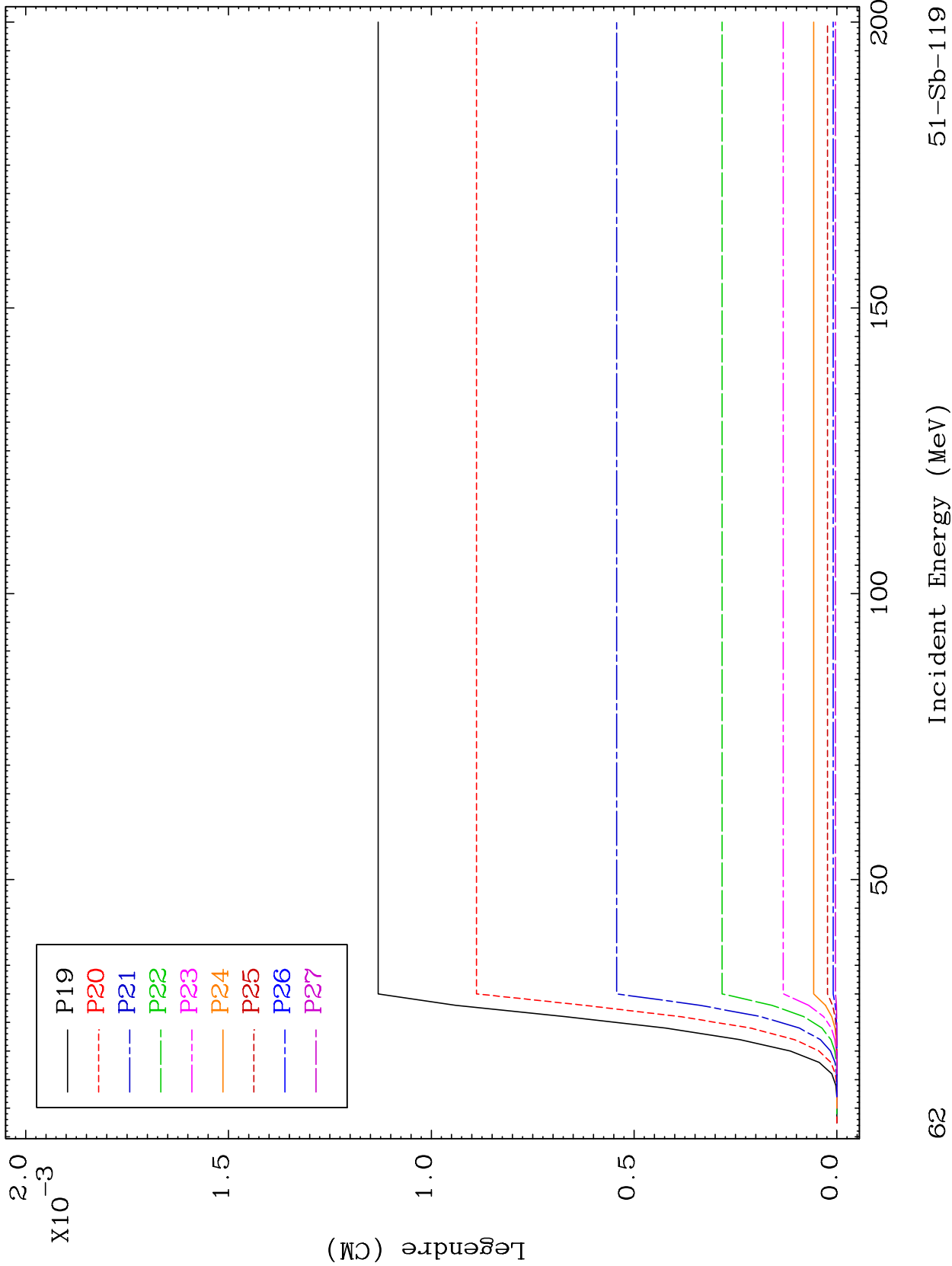
51-Sb-119



61

Incident Energy (MeV)

51-Sb-119



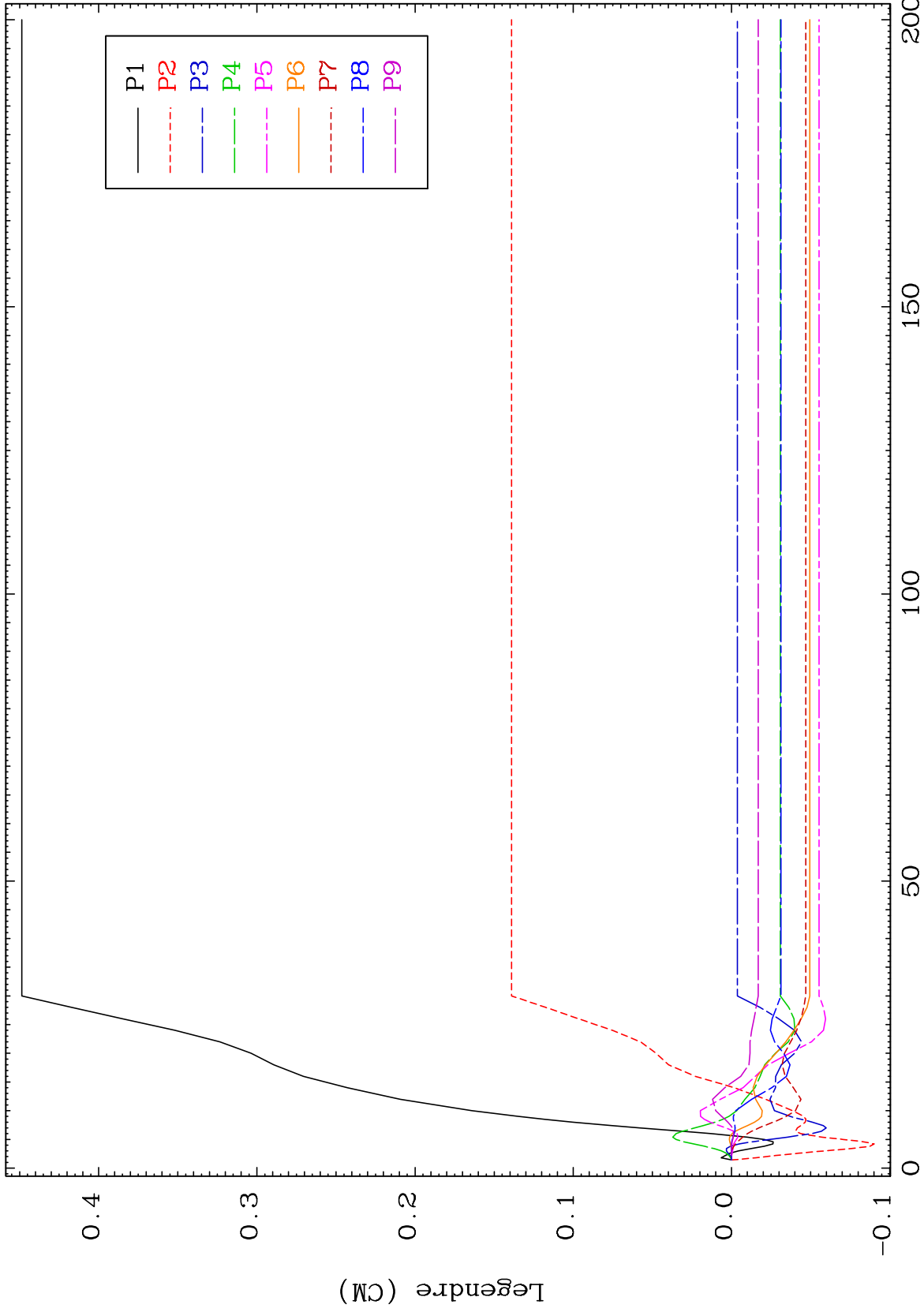




MAT 5119

1.407 MeV (n,n') Level  
Legendre Coefficients

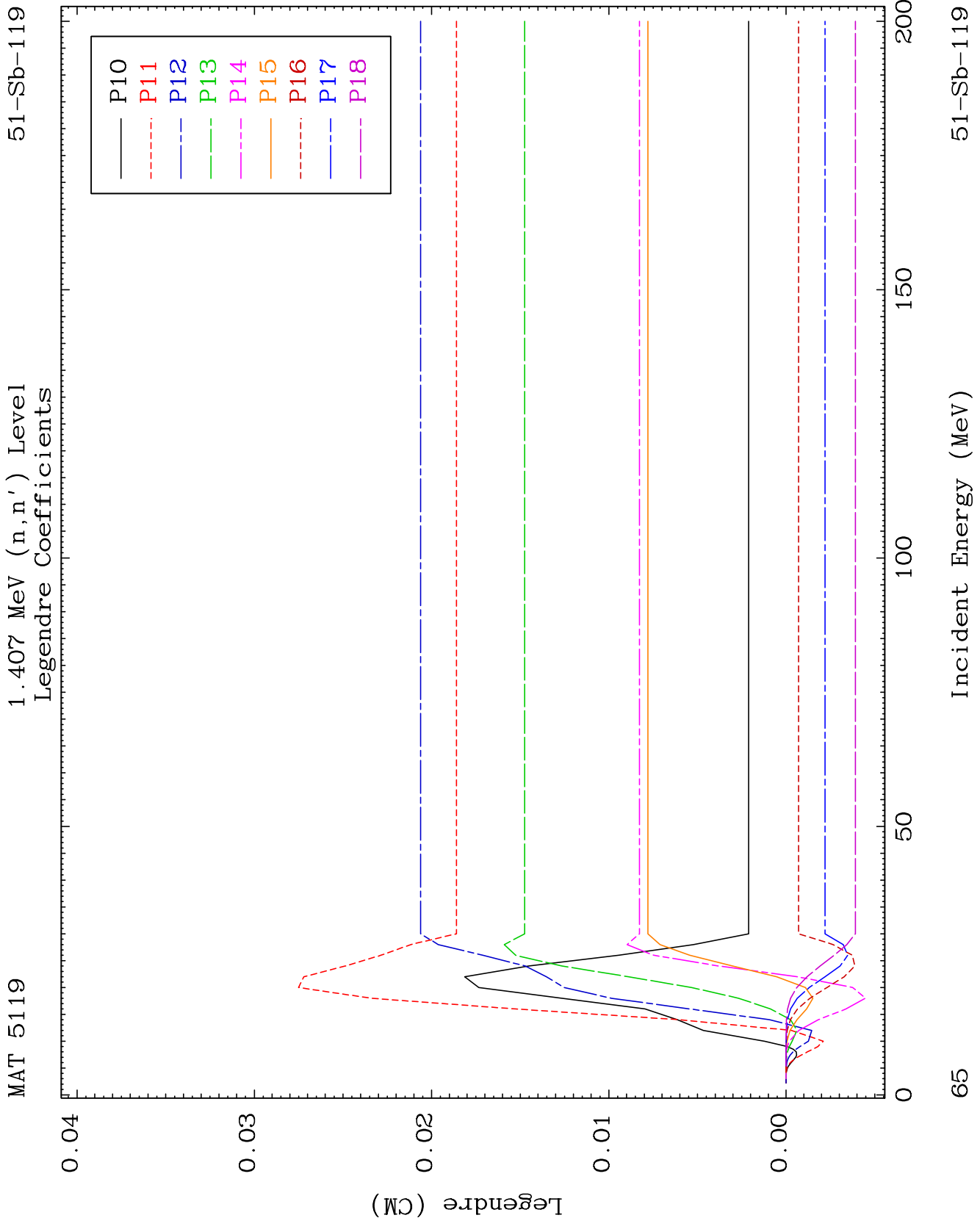
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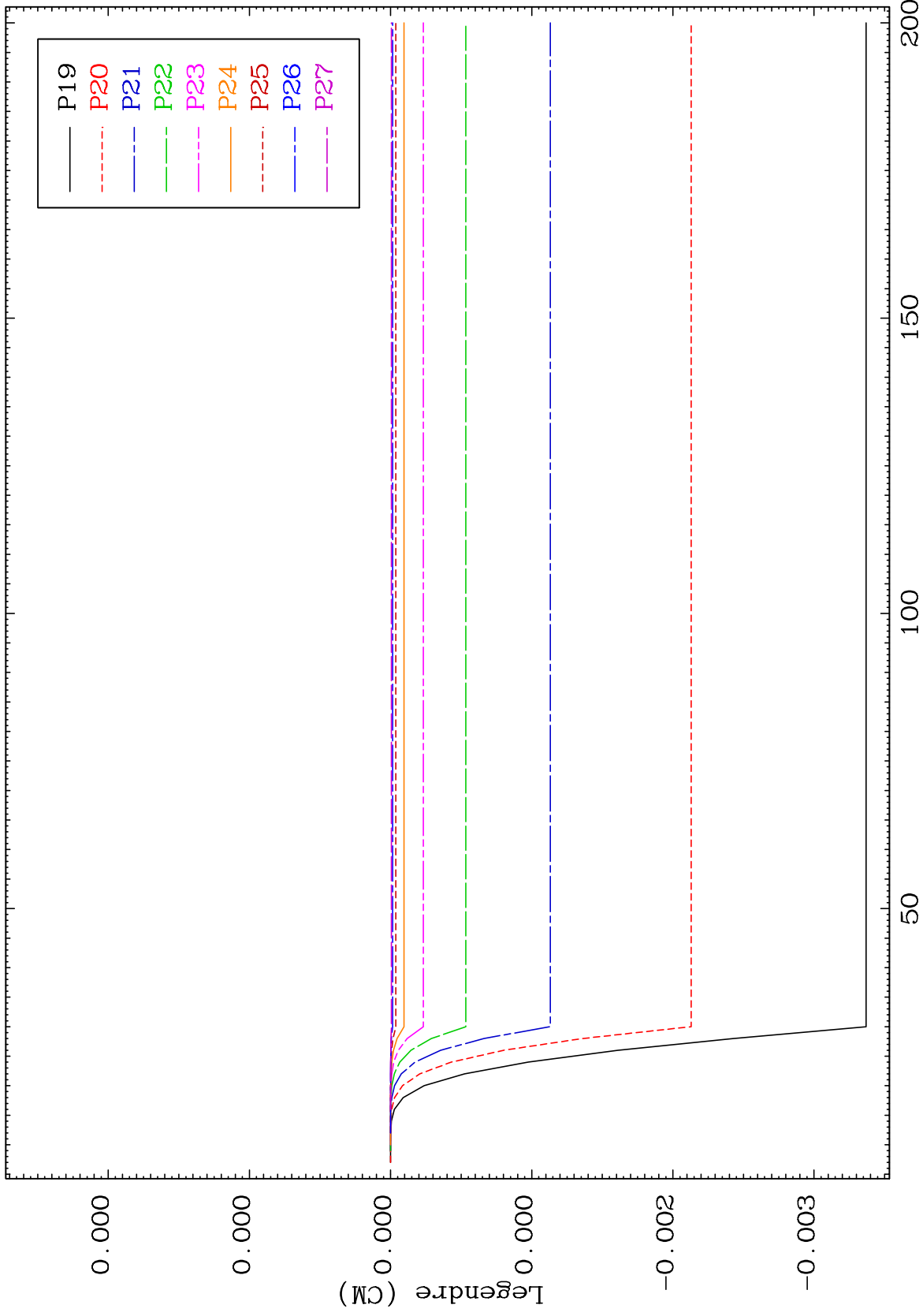


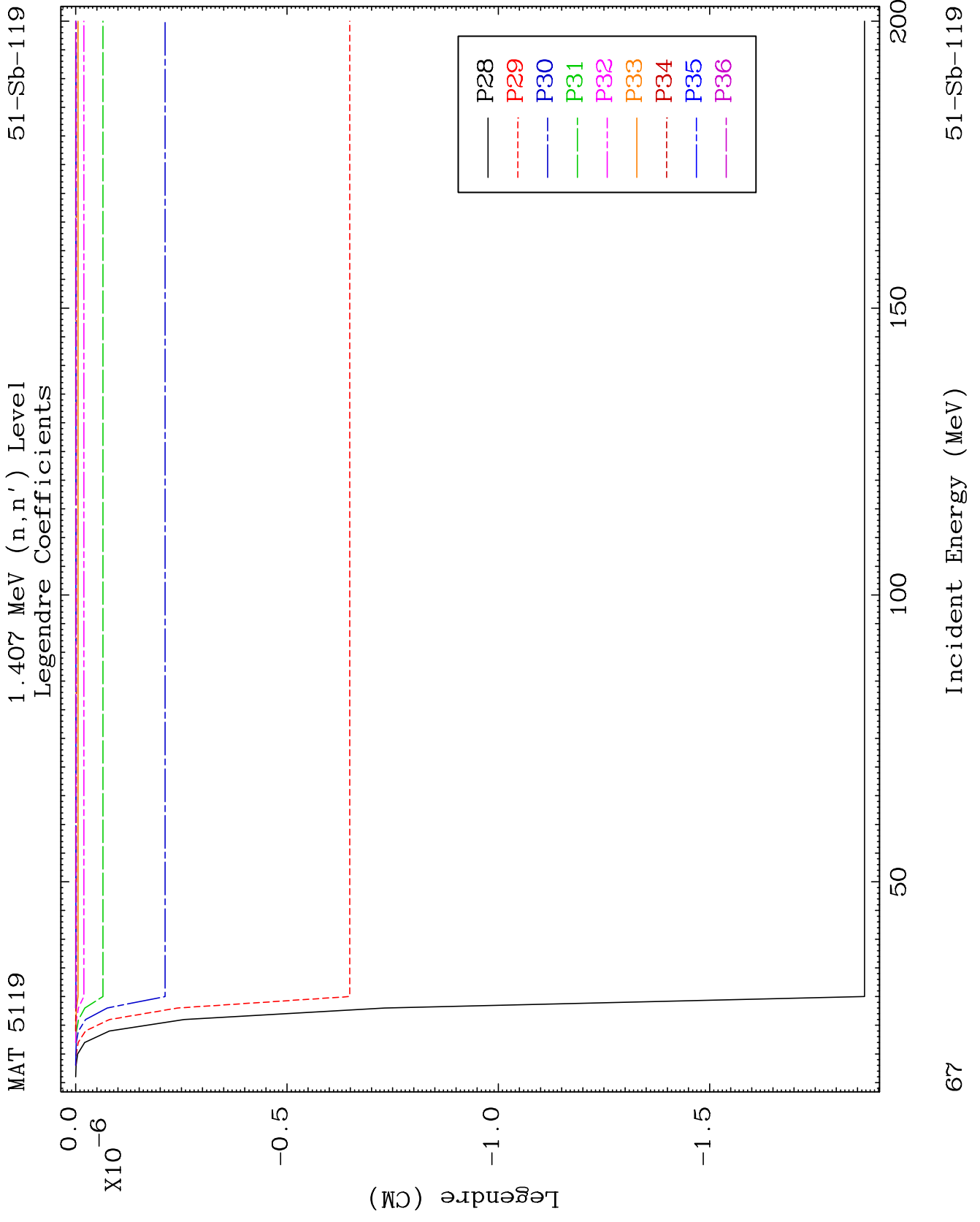
64

Incident Energy (MeV)

51-Sb-119



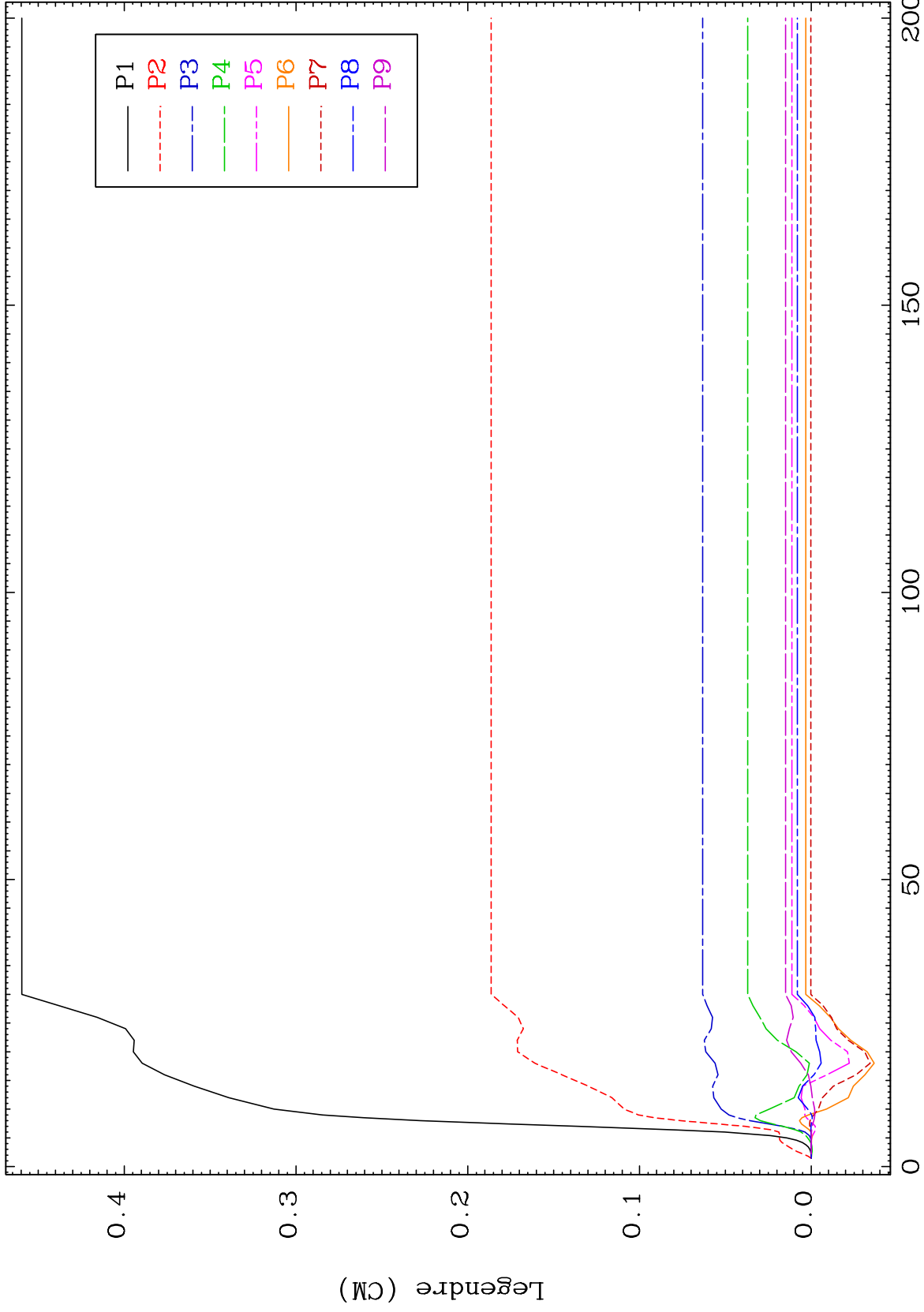




MAT 5119

1.413 MeV (n,n') Level  
Legendre Coefficients

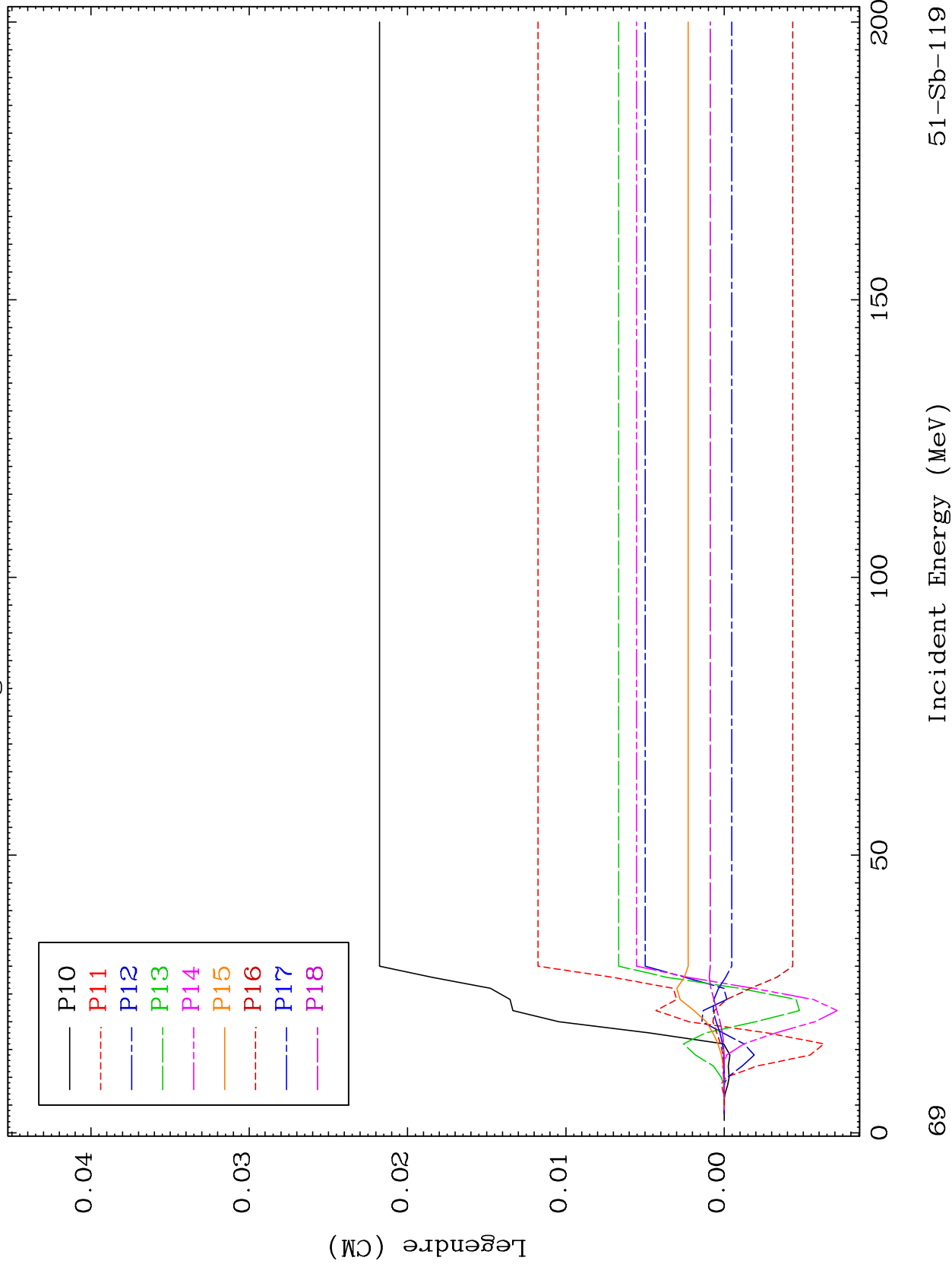
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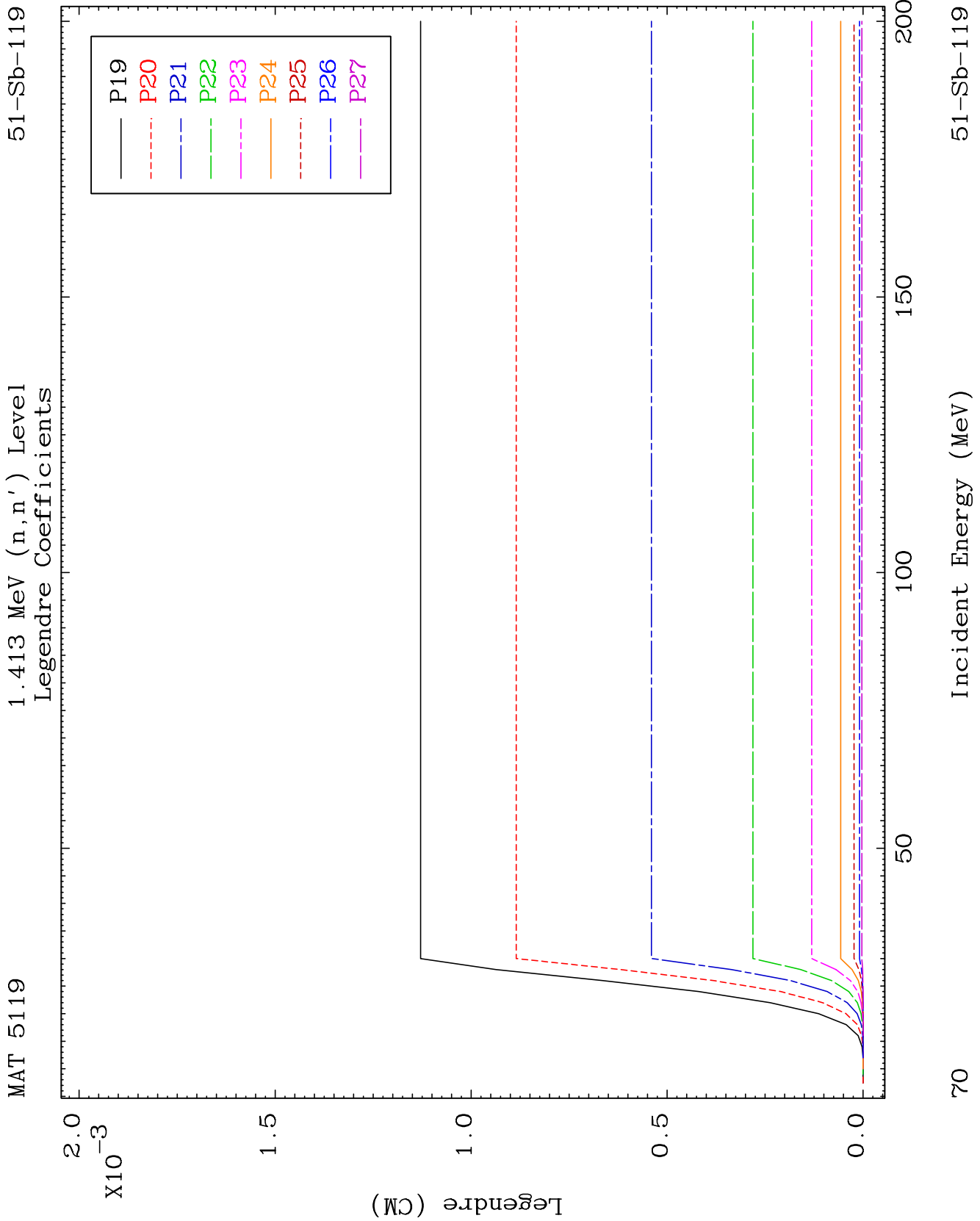


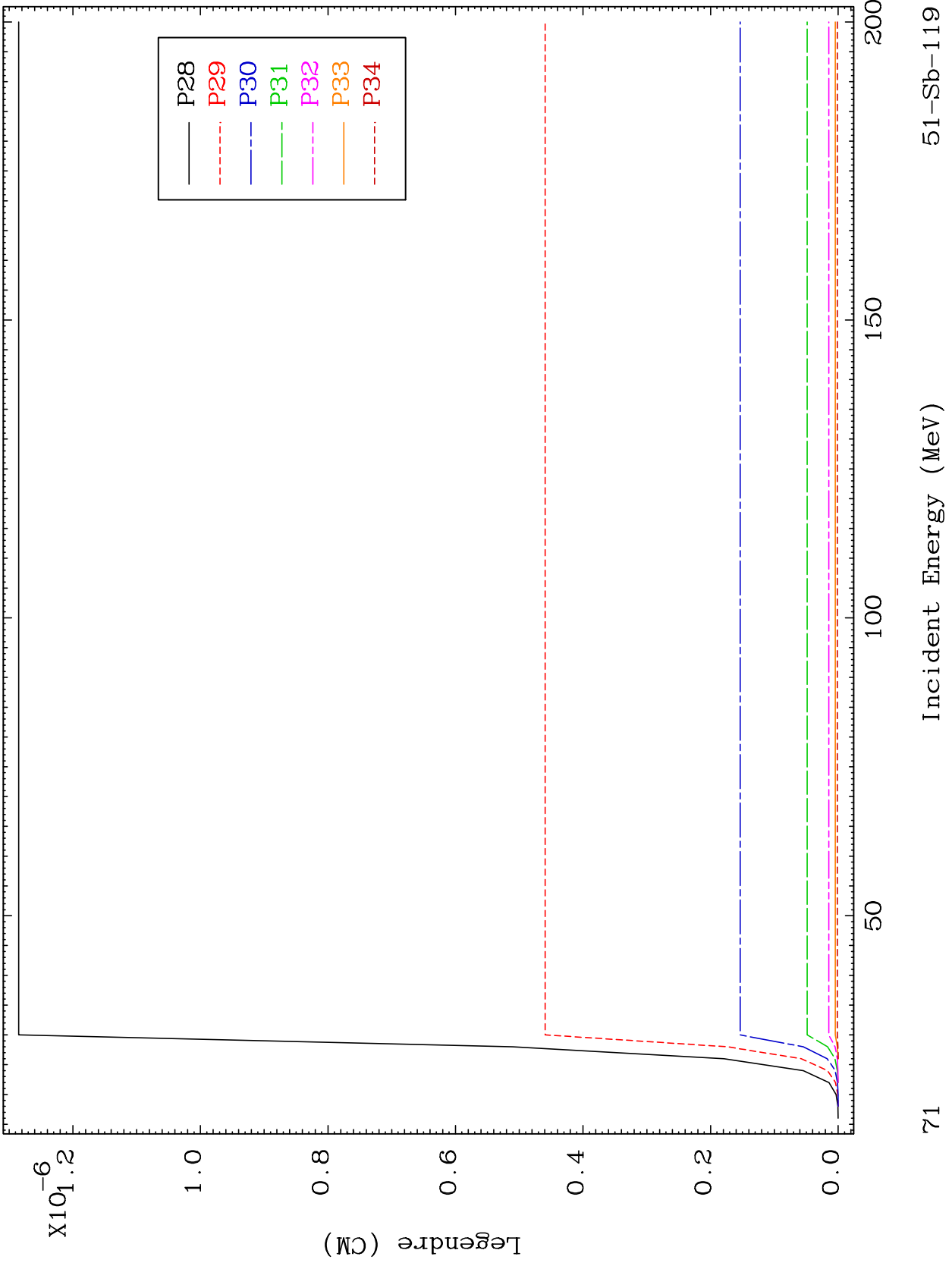
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Incident Energy (MeV)

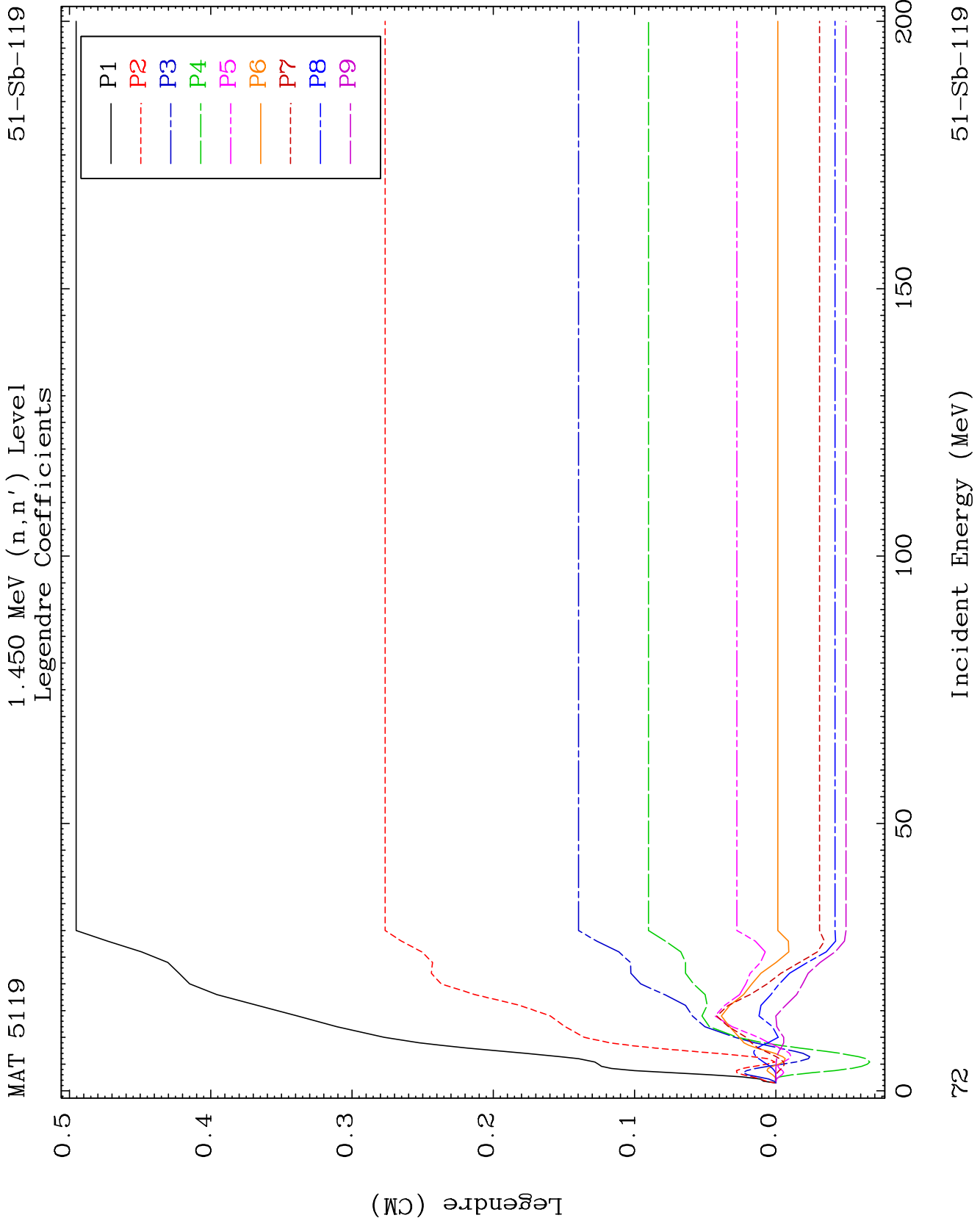
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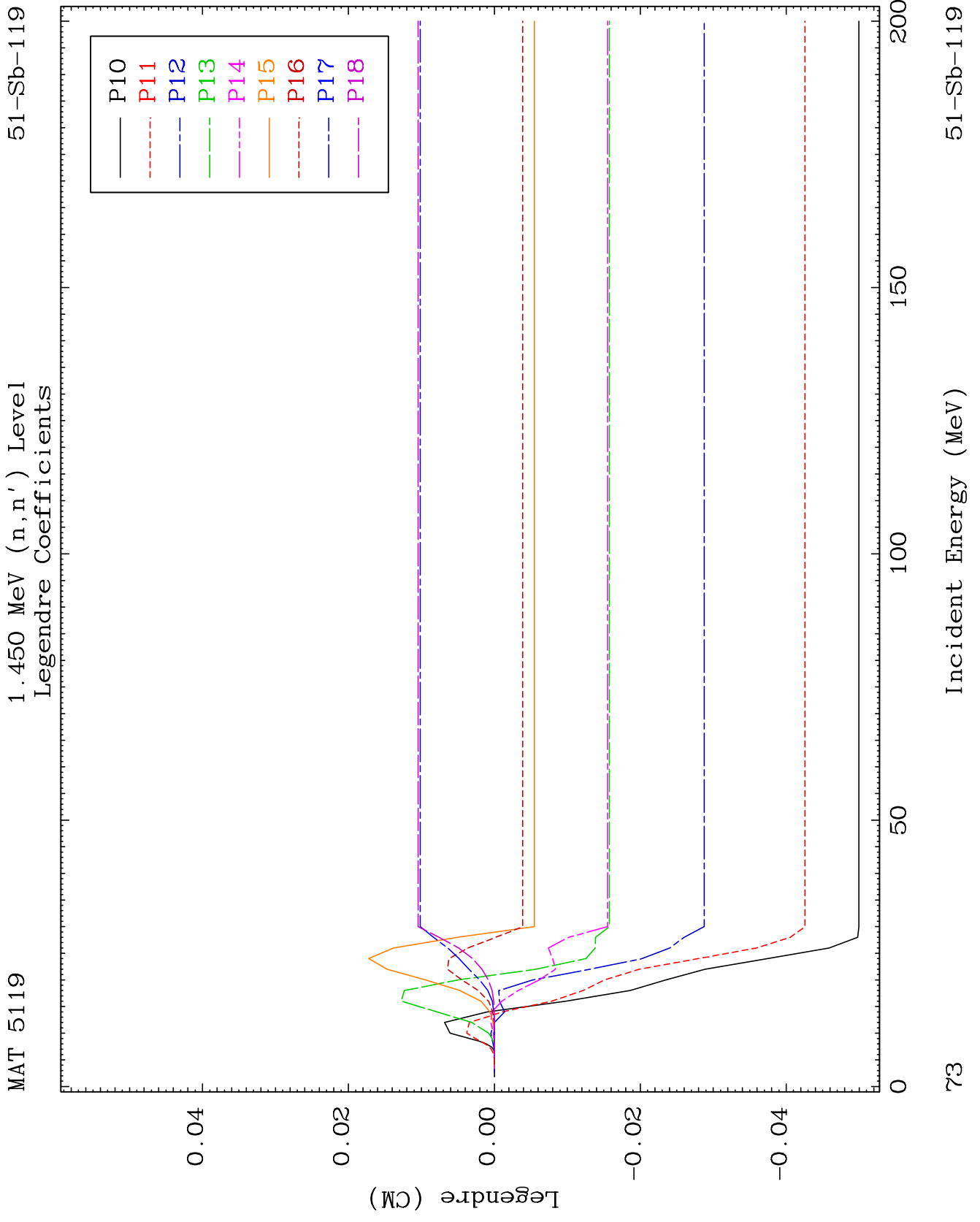




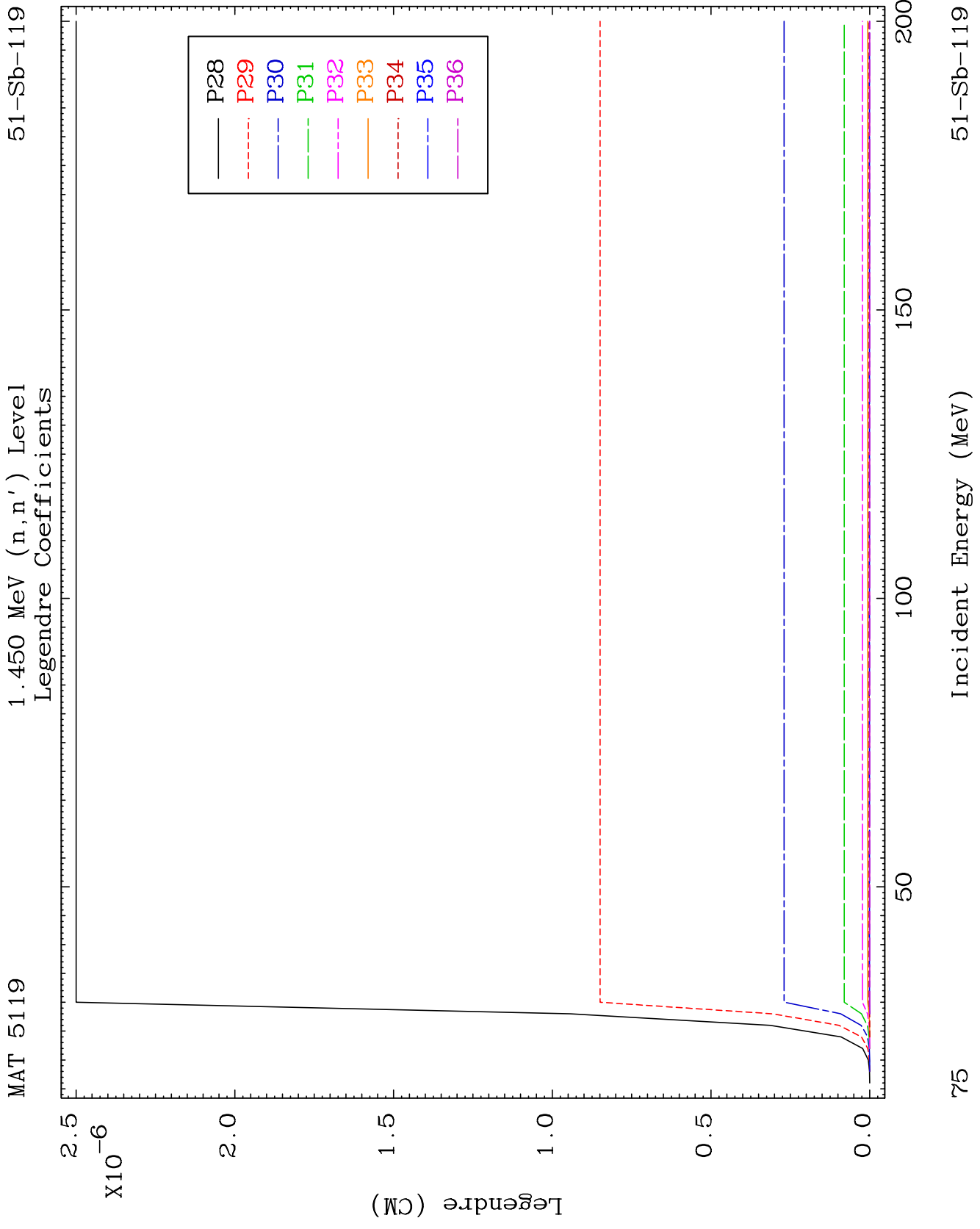








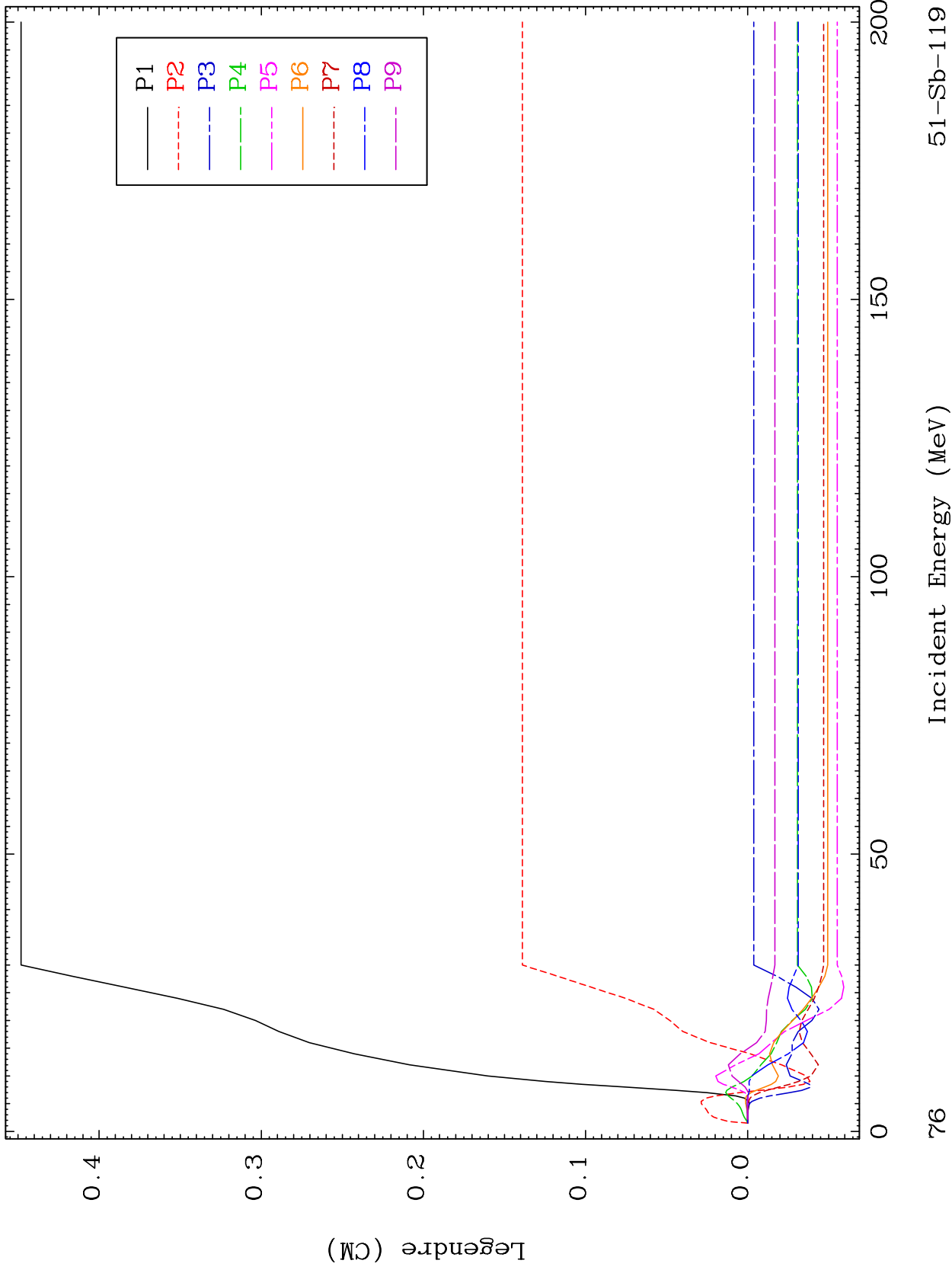




MAT 5119

1.469 MeV (n,n') Level  
Legendre Coefficients

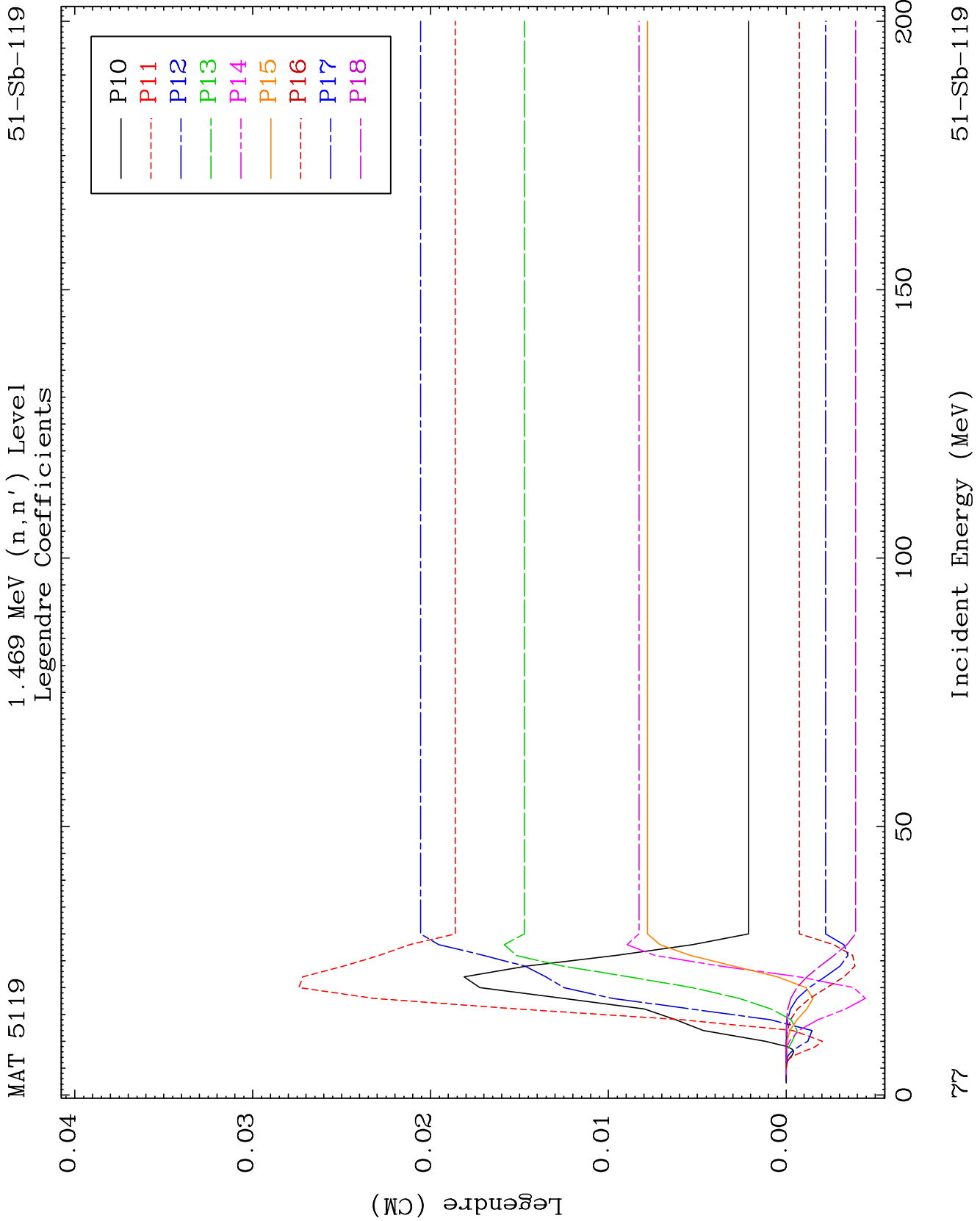
51-Sb-119



76

Incident Energy (MeV)

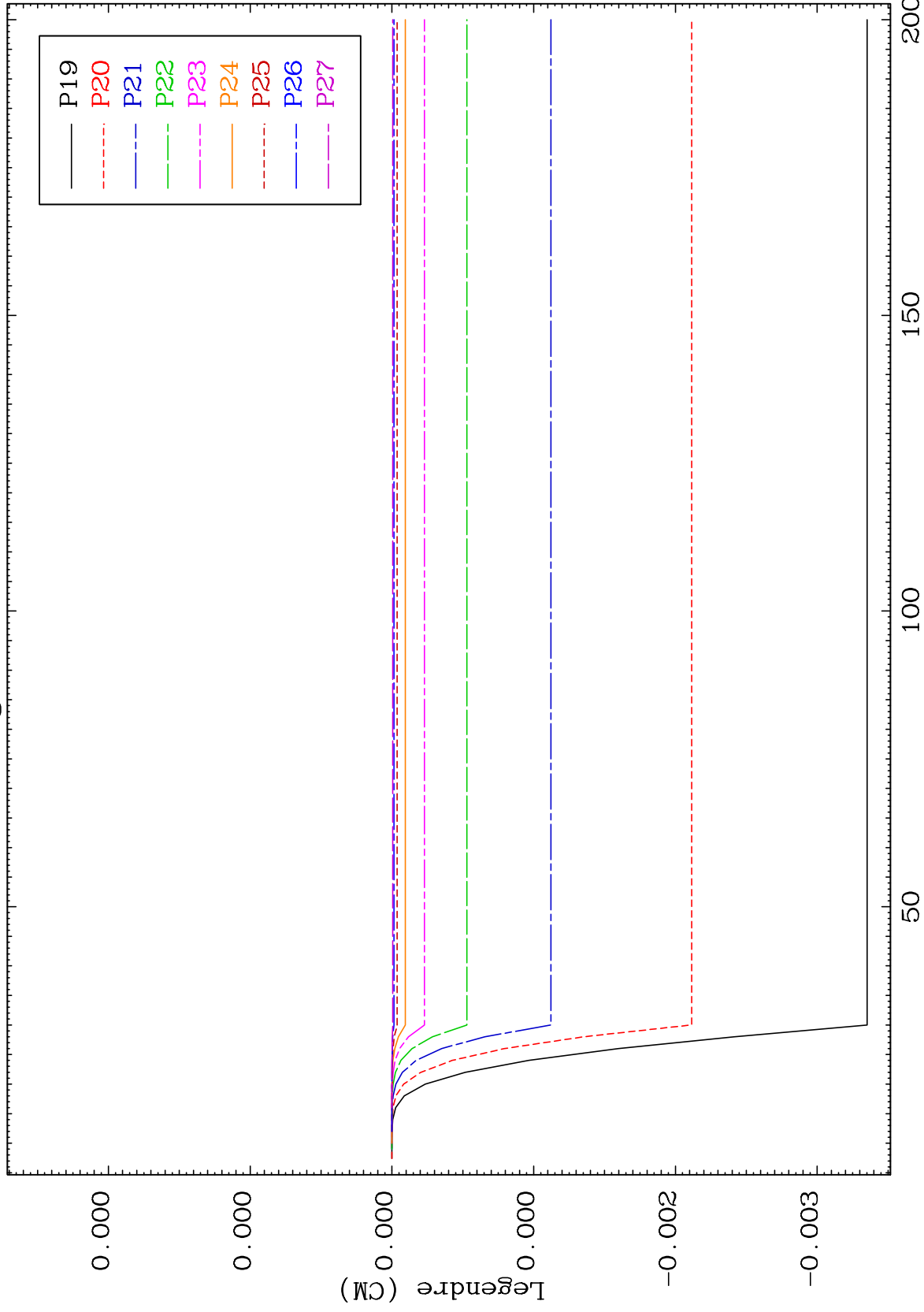
51-Sb-119



MAT 5119

1.469 MeV (n,n') Level  
Legendre Coefficients

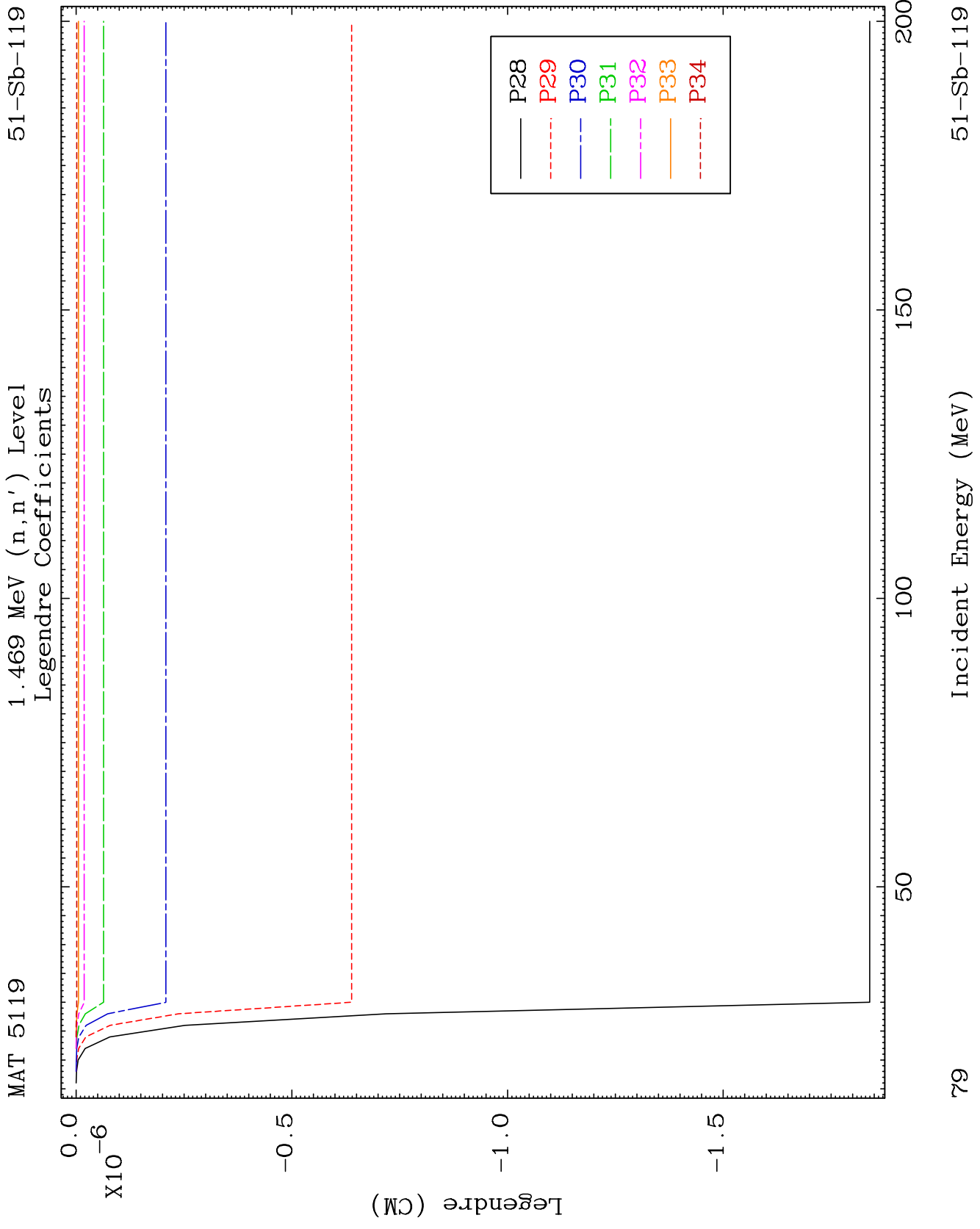
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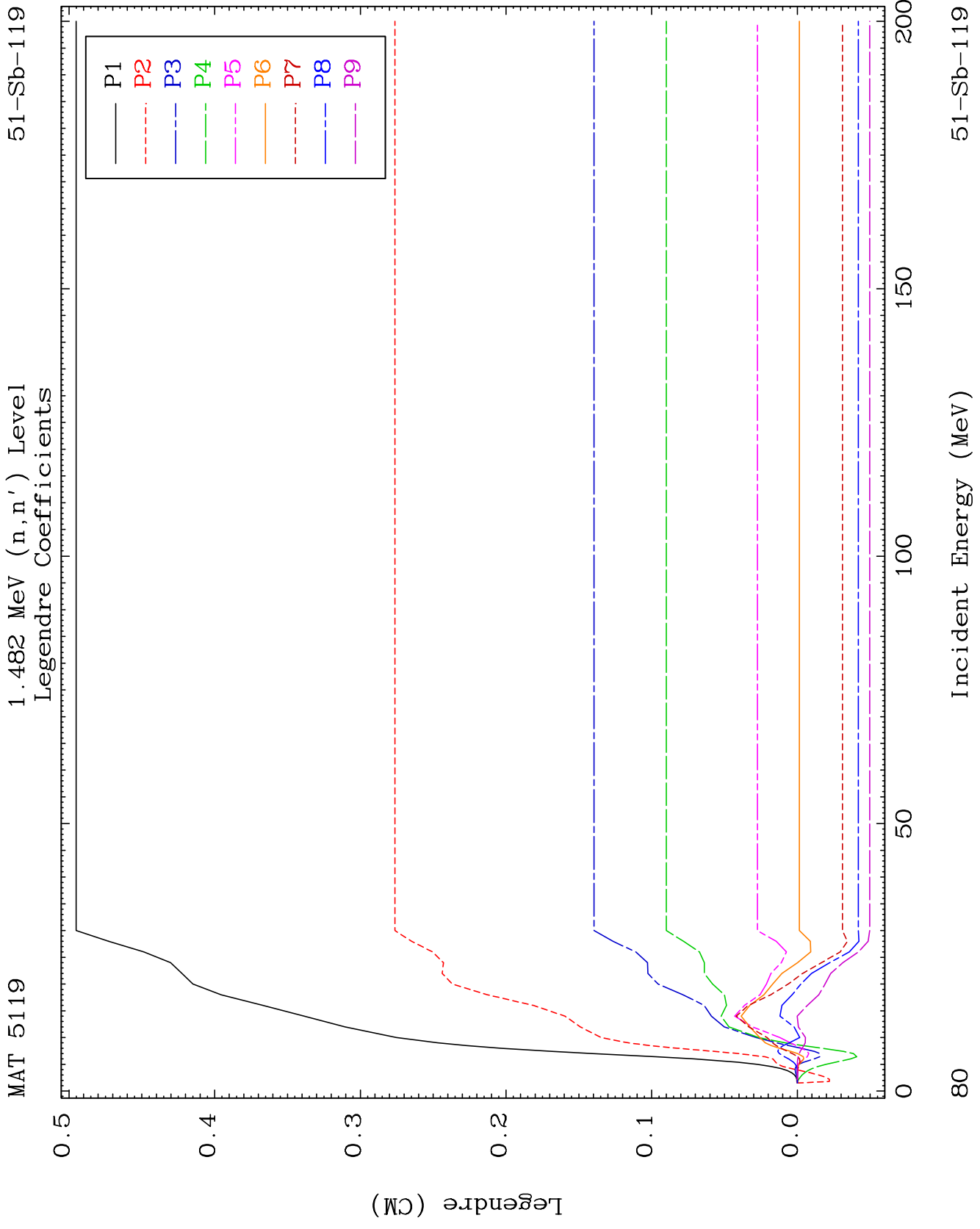
78

Incident Energy (MeV)

51-Sb-119



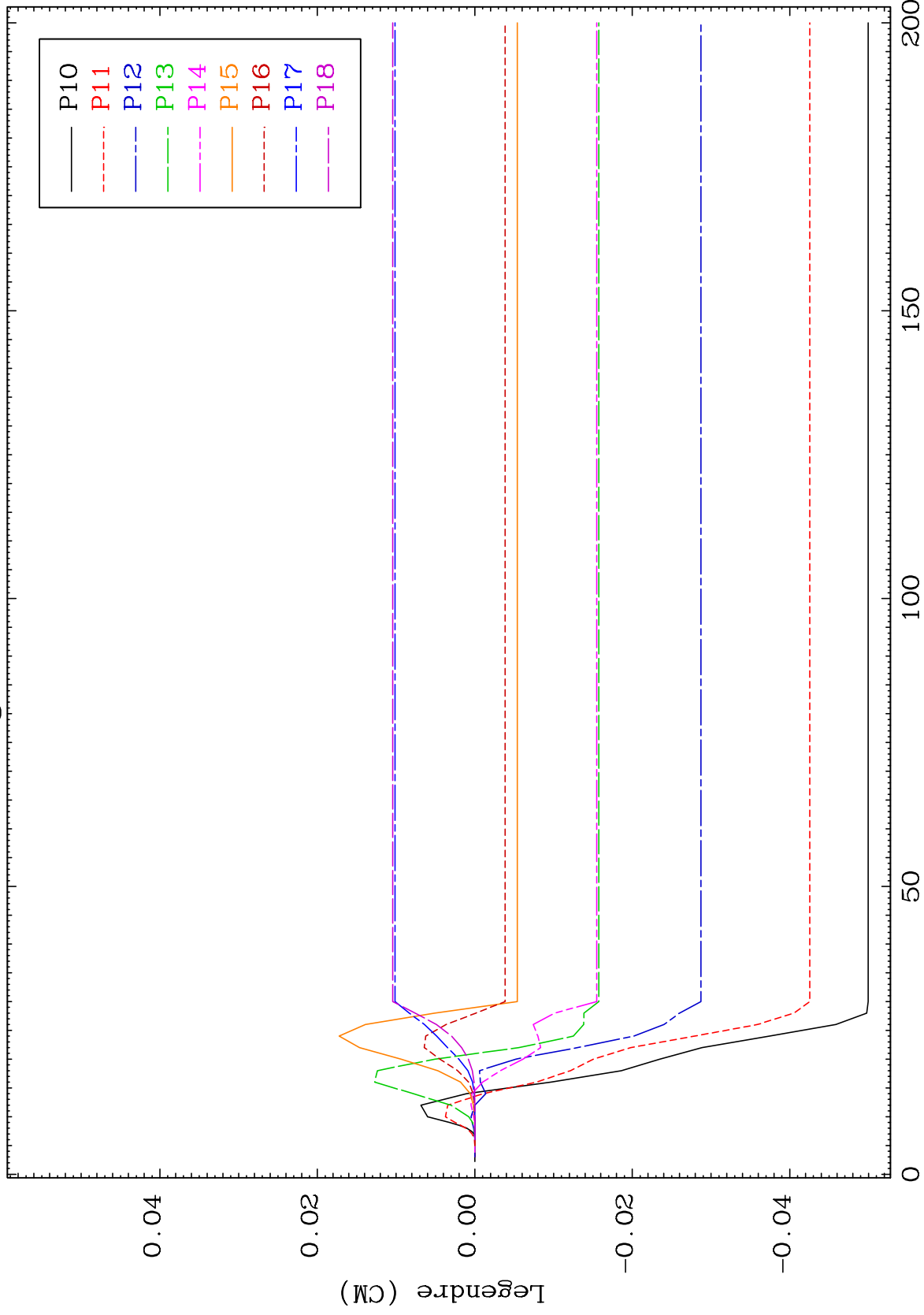




MAT 5119

1.482 MeV (n,n') Level  
Legendre Coefficients

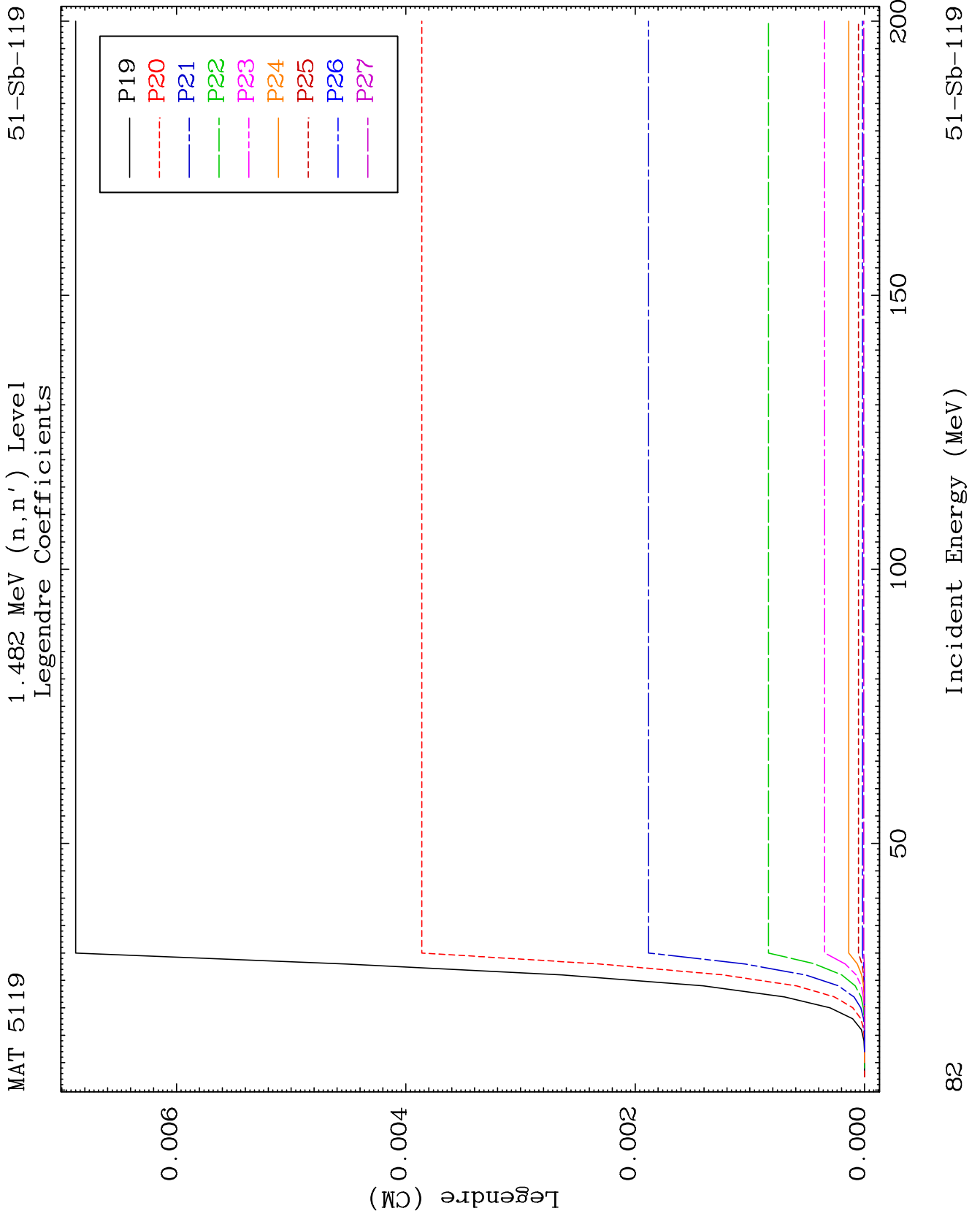
51-Sb-119



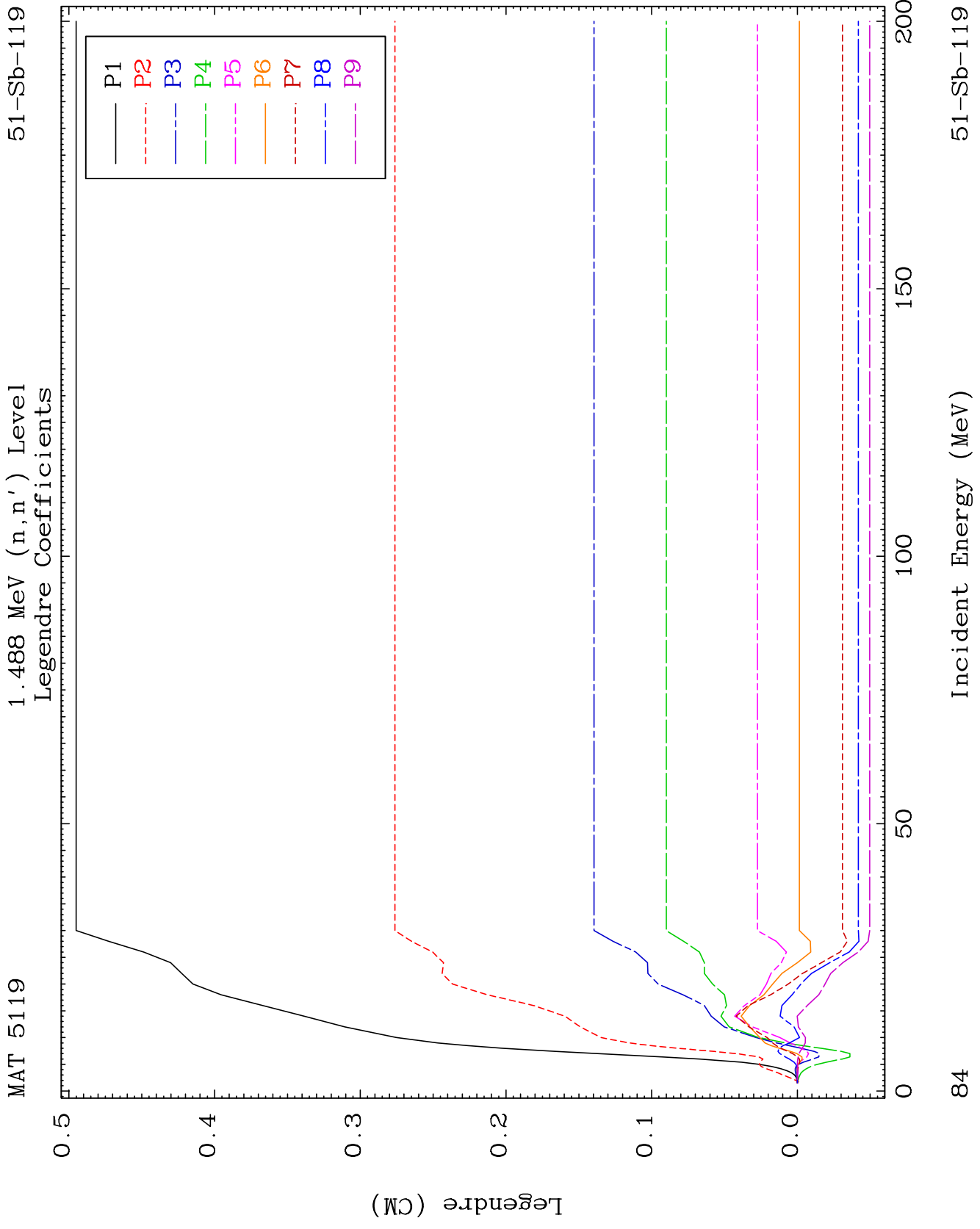
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Incident Energy (MeV)

51-Sb-119



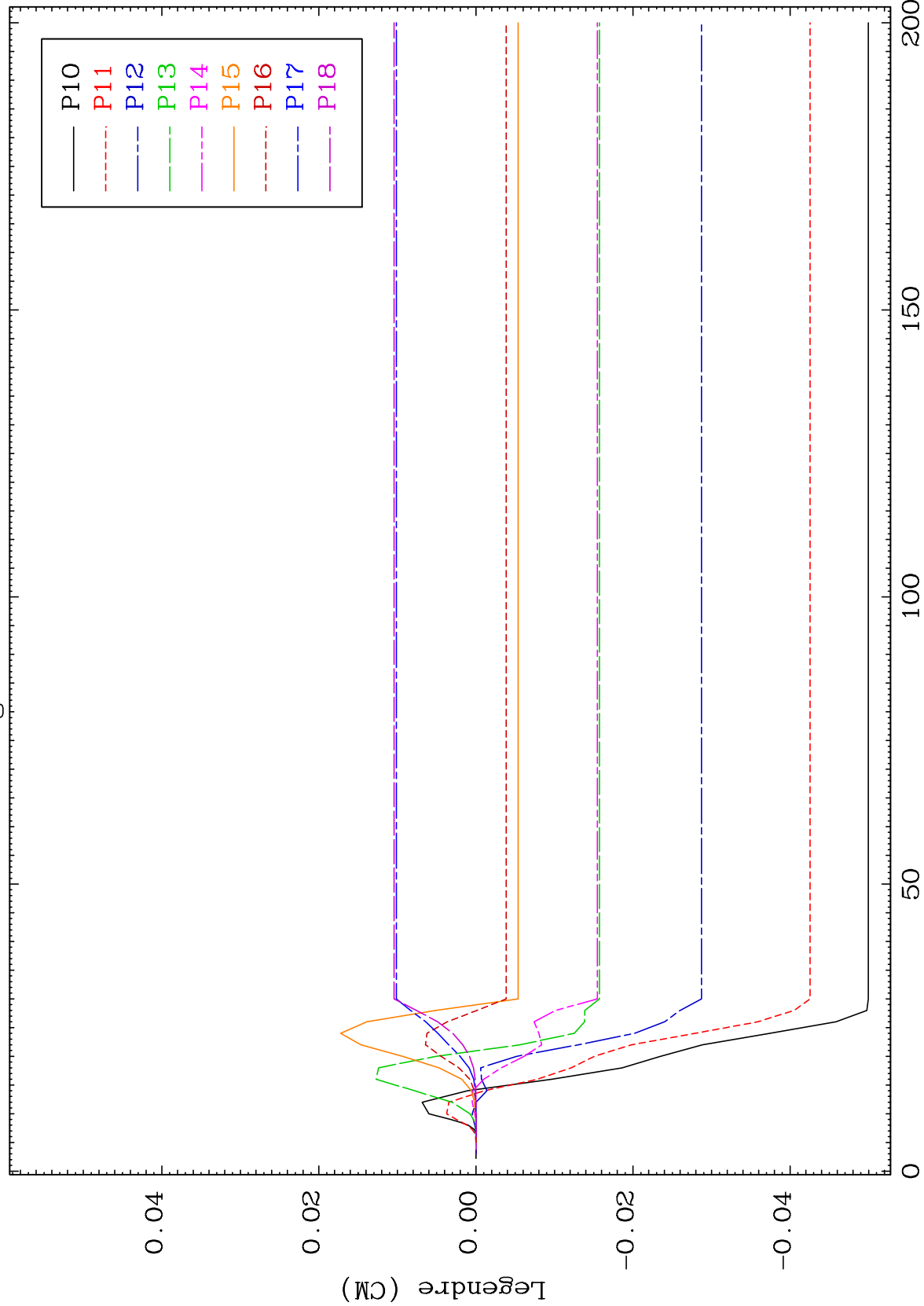




MAT 5119

1.488 MeV (n,n') Level Legendre Coefficients

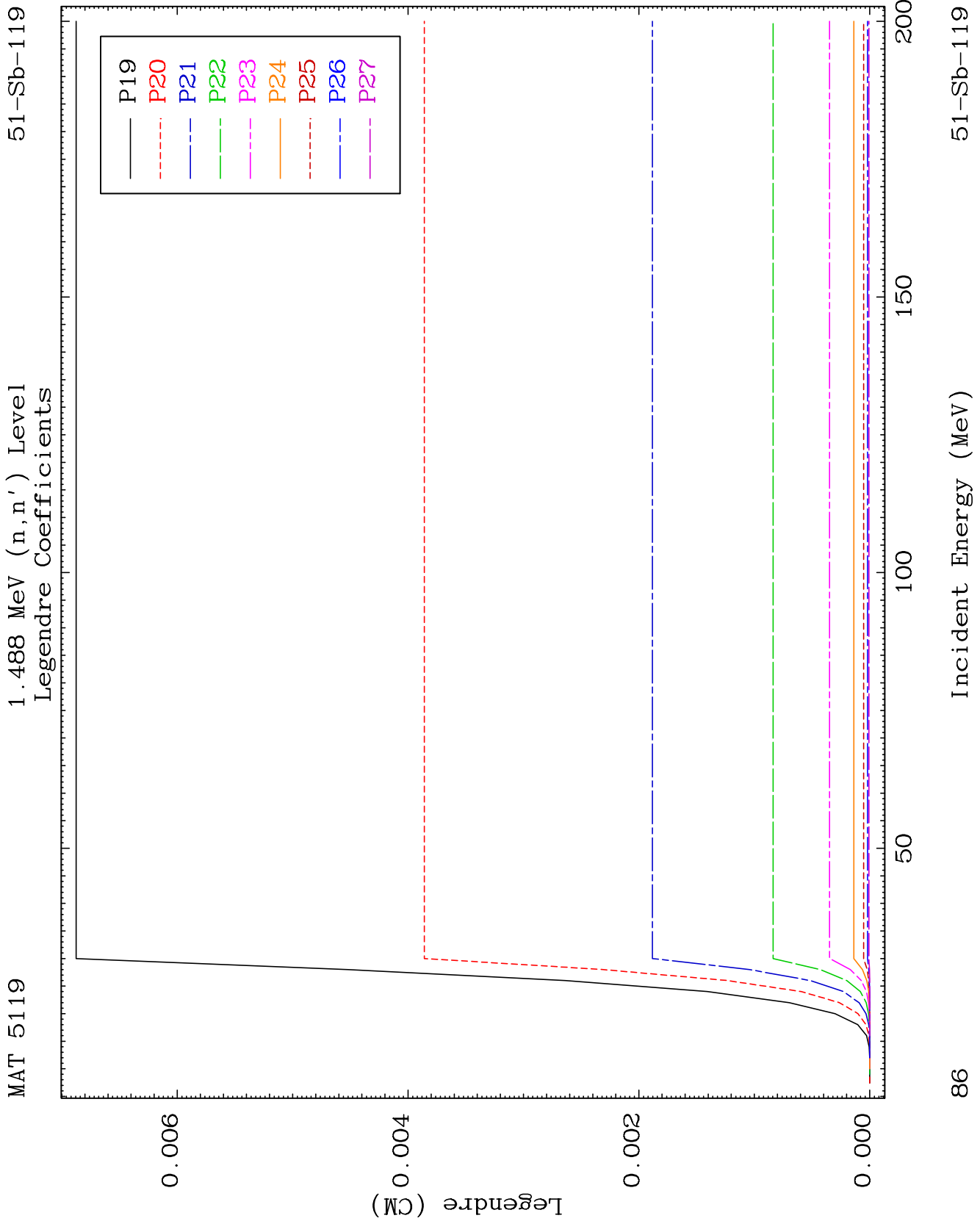
51-Sb-119

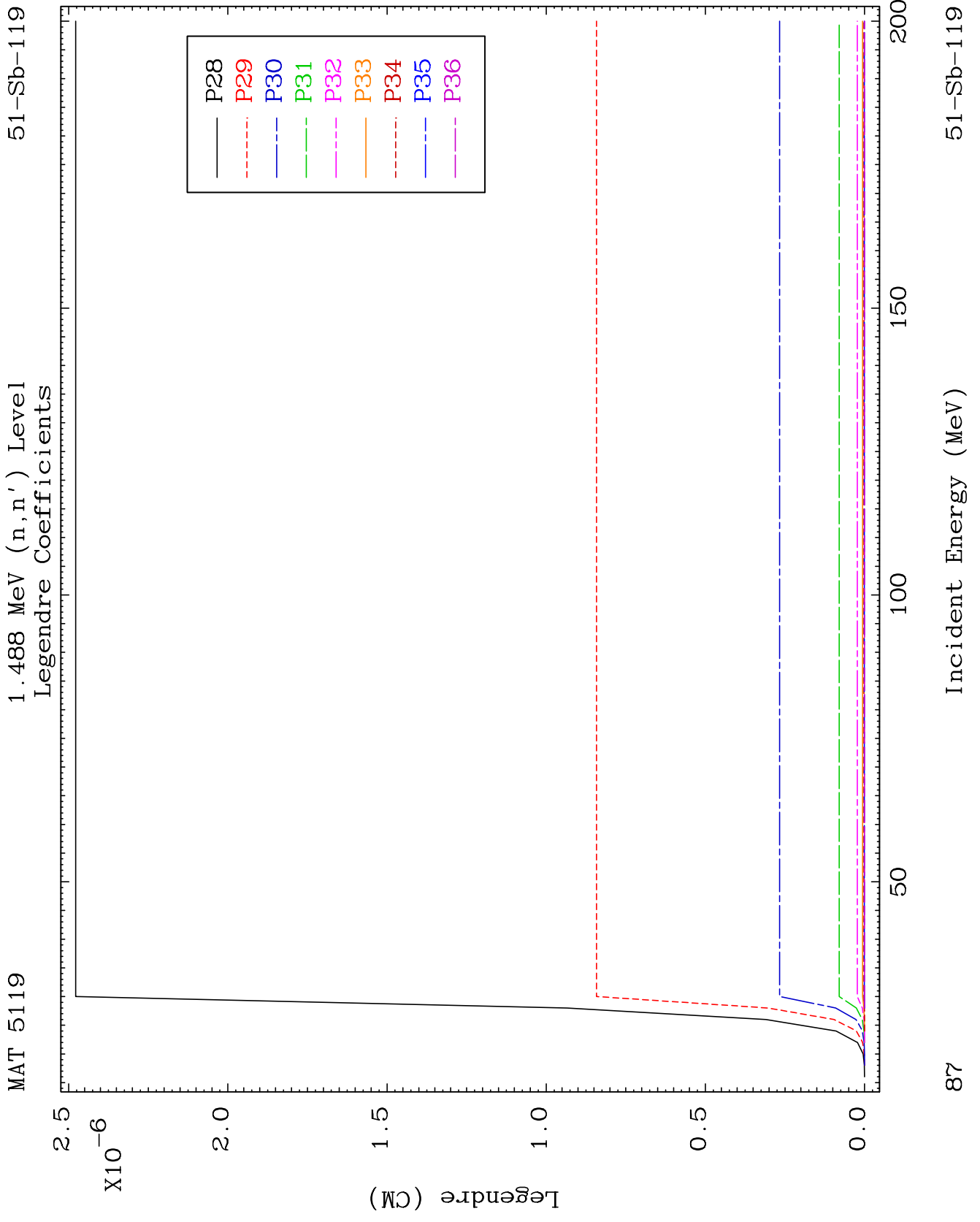


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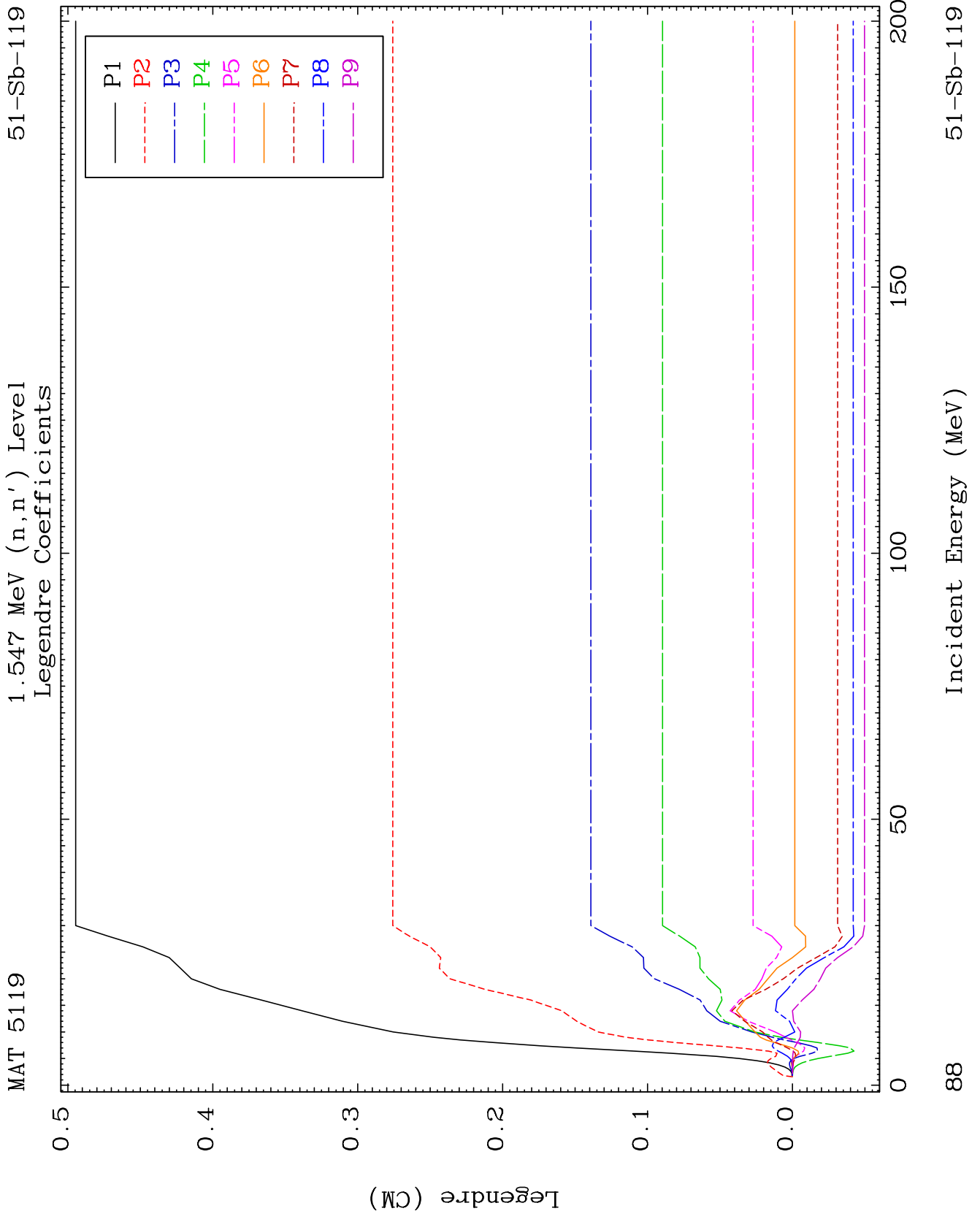
Incident Energy (MeV)

51-Sb-119





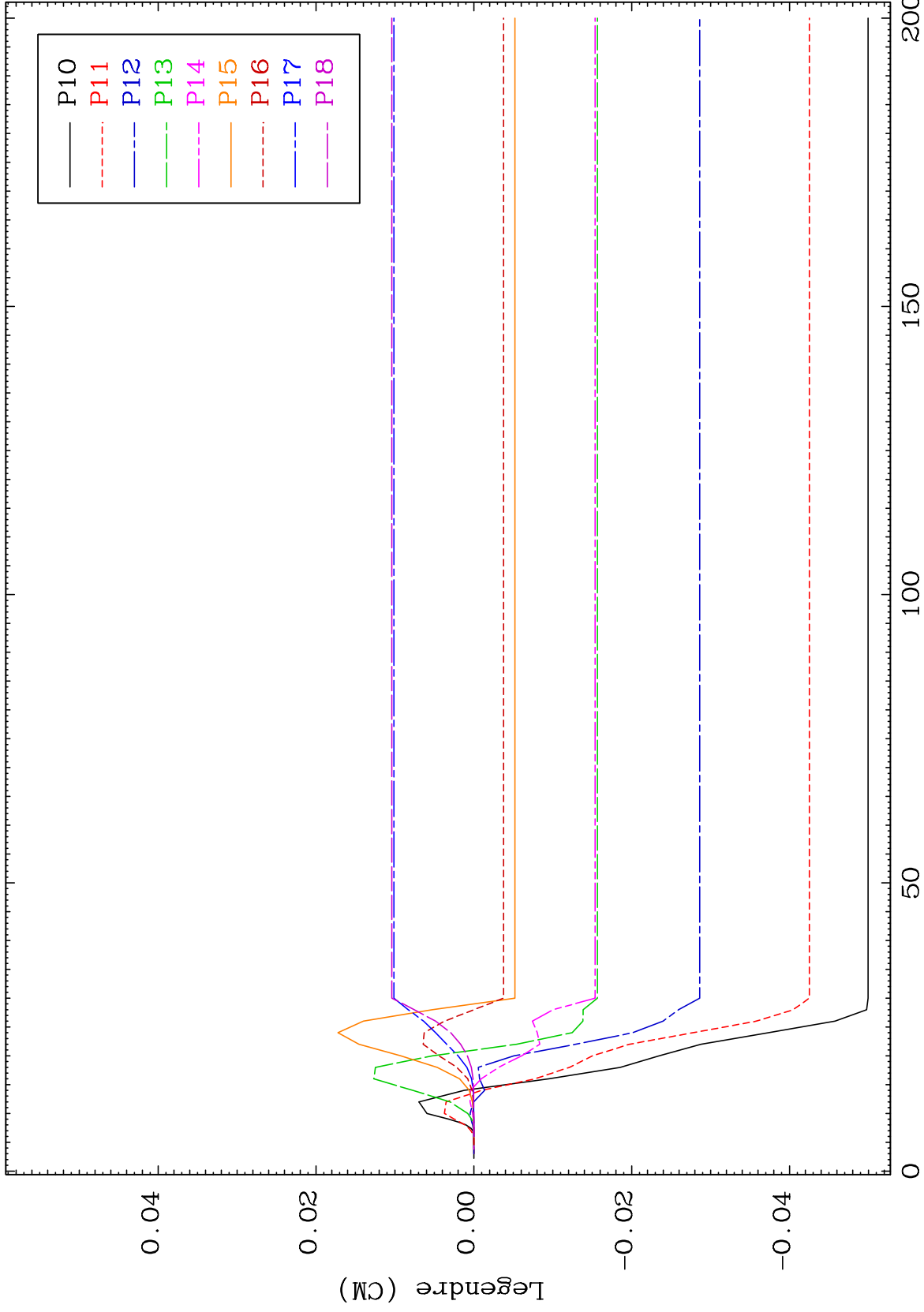




MAT 5119

1.547 MeV (n,n') Level  
Legendre Coefficients

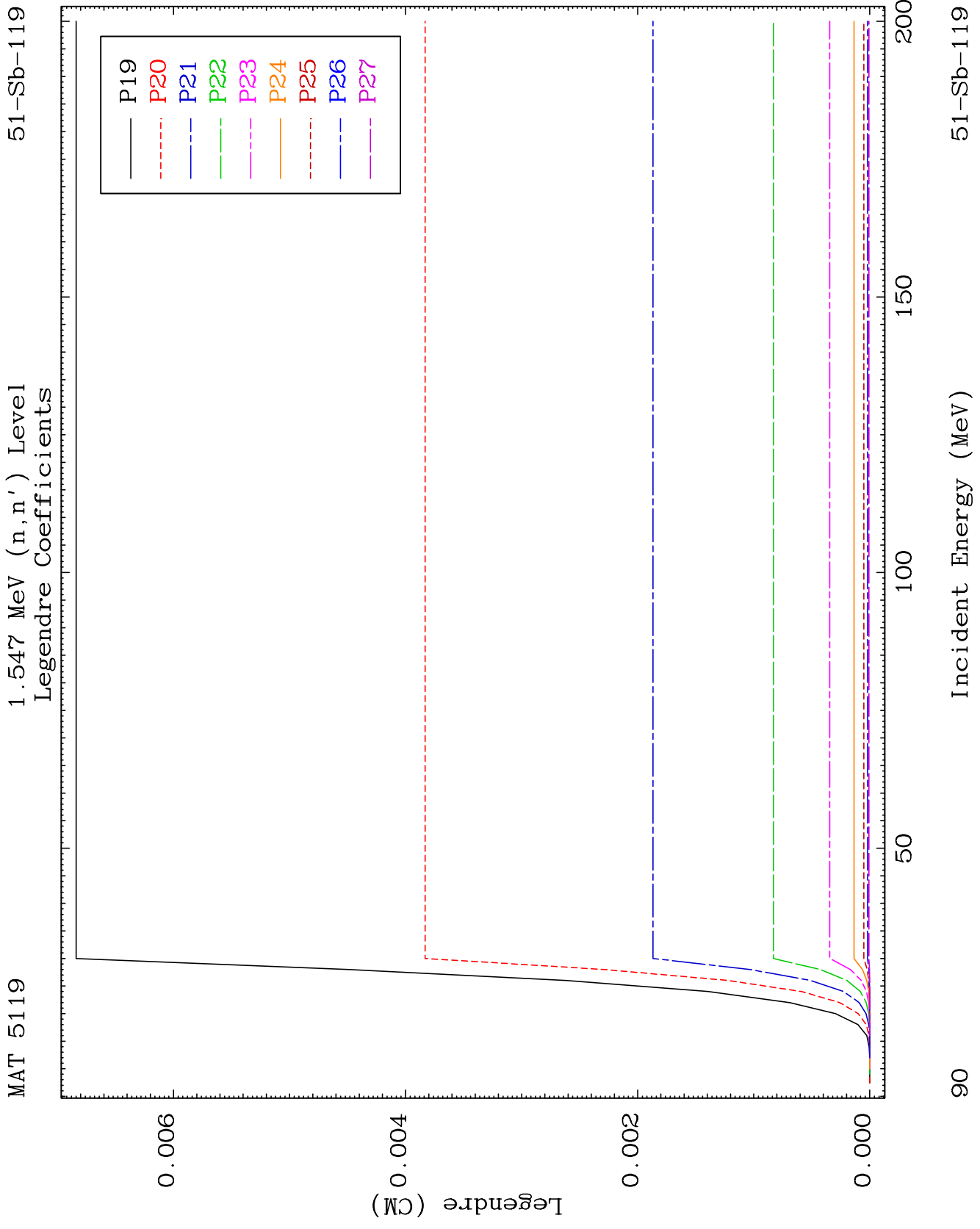
51-Sb-119

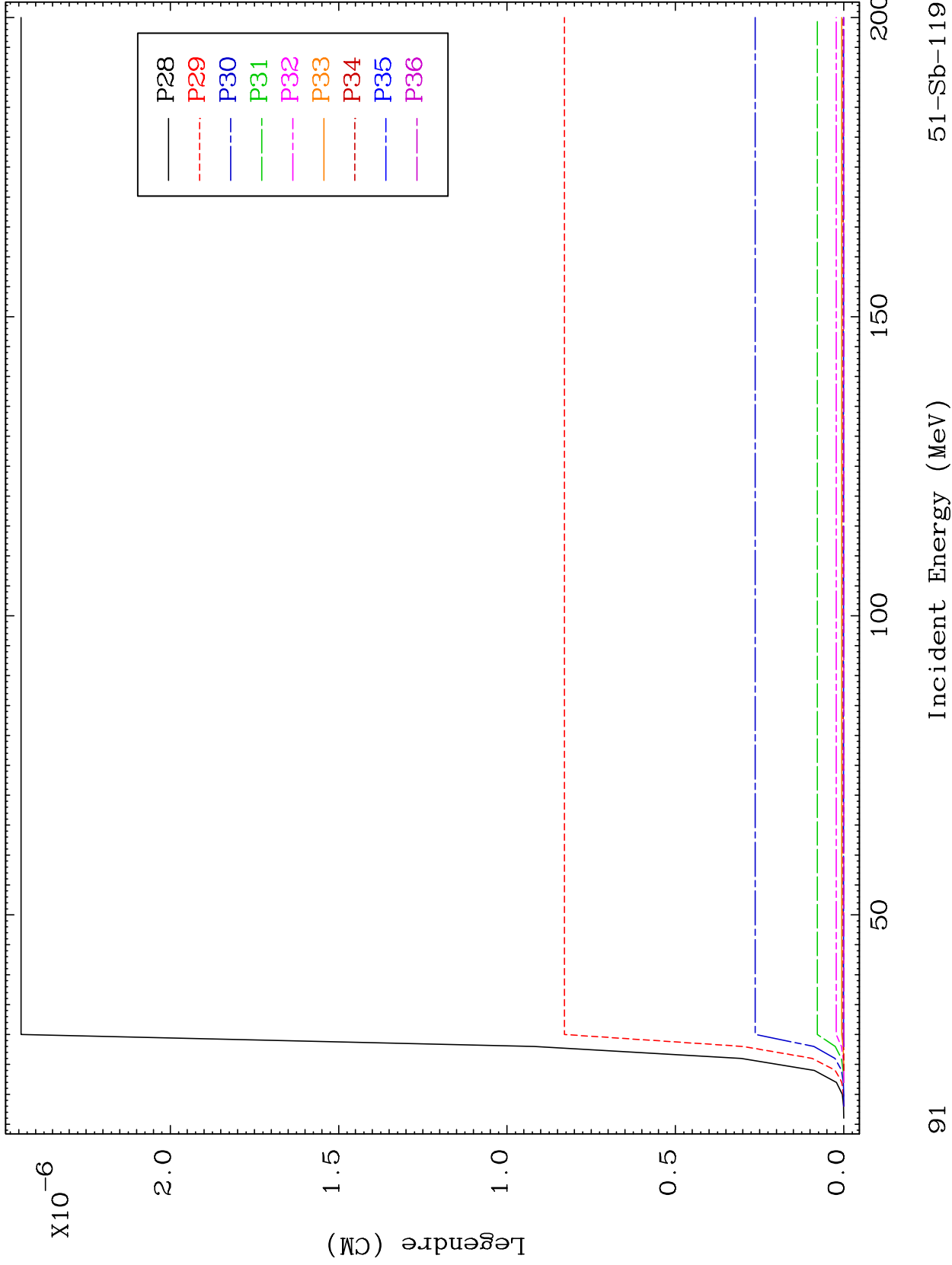


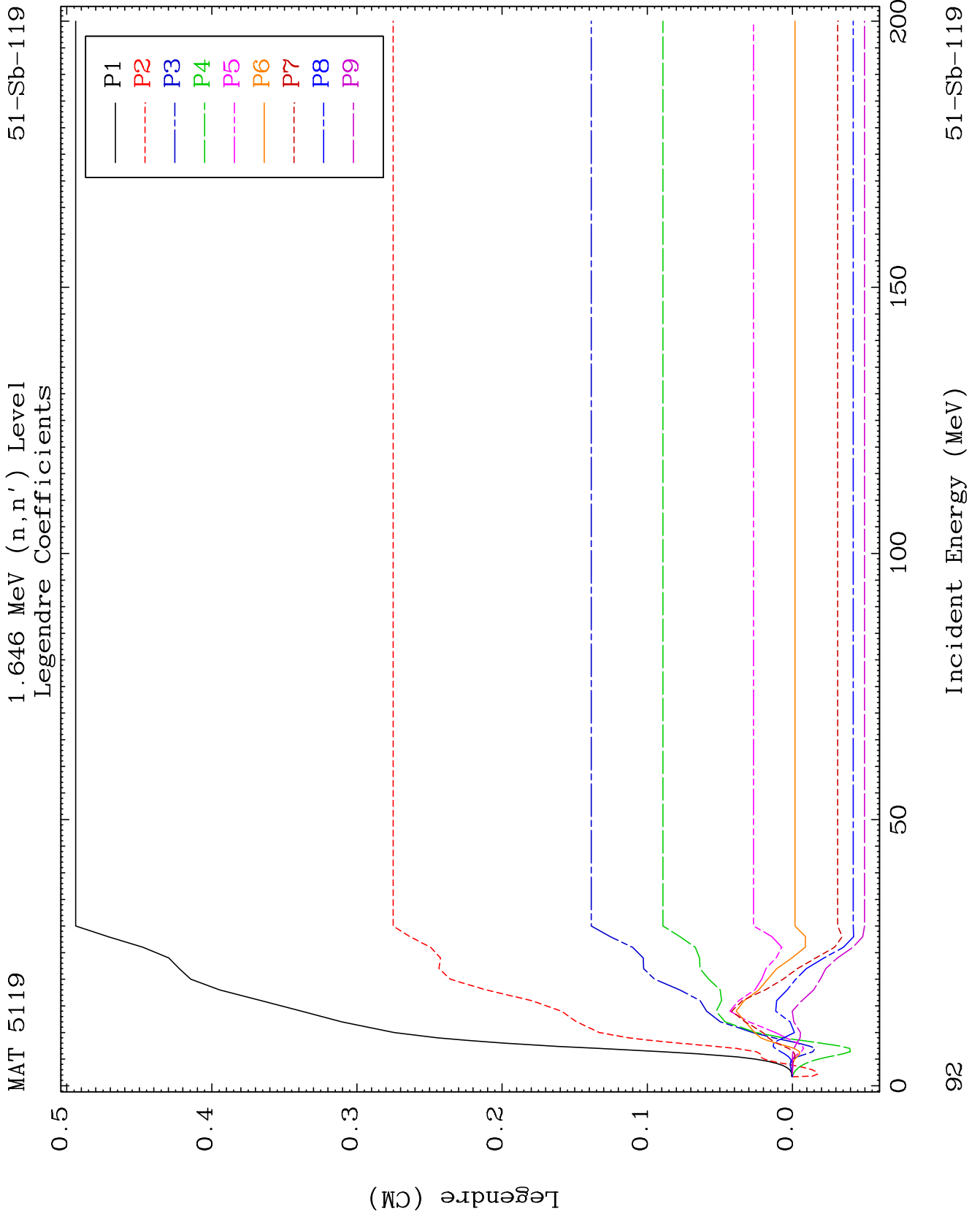
89

Incident Energy (MeV)

51-Sb-119



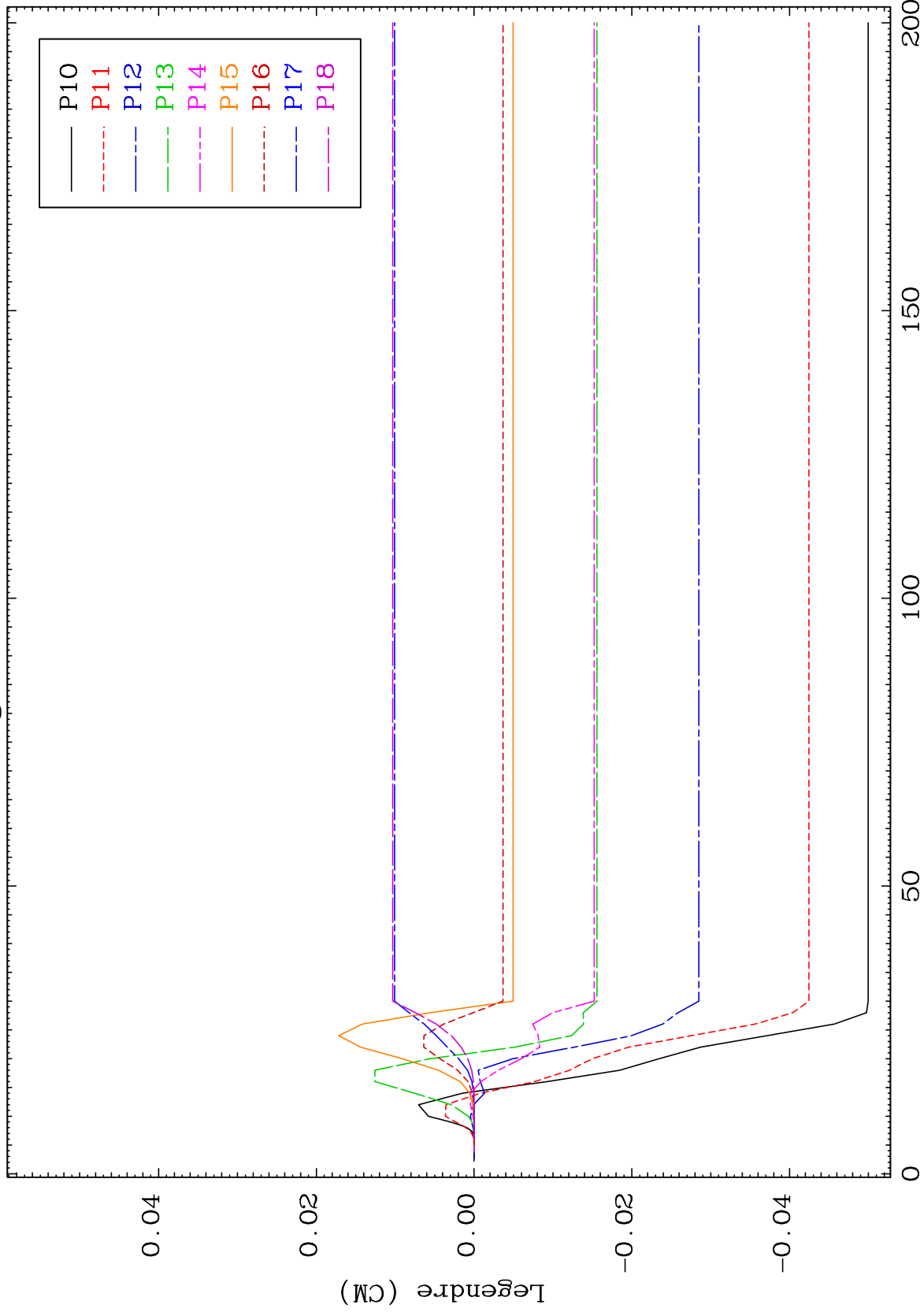




MAT 5119

1.646 MeV (n,n') Level  
Legendre Coefficients

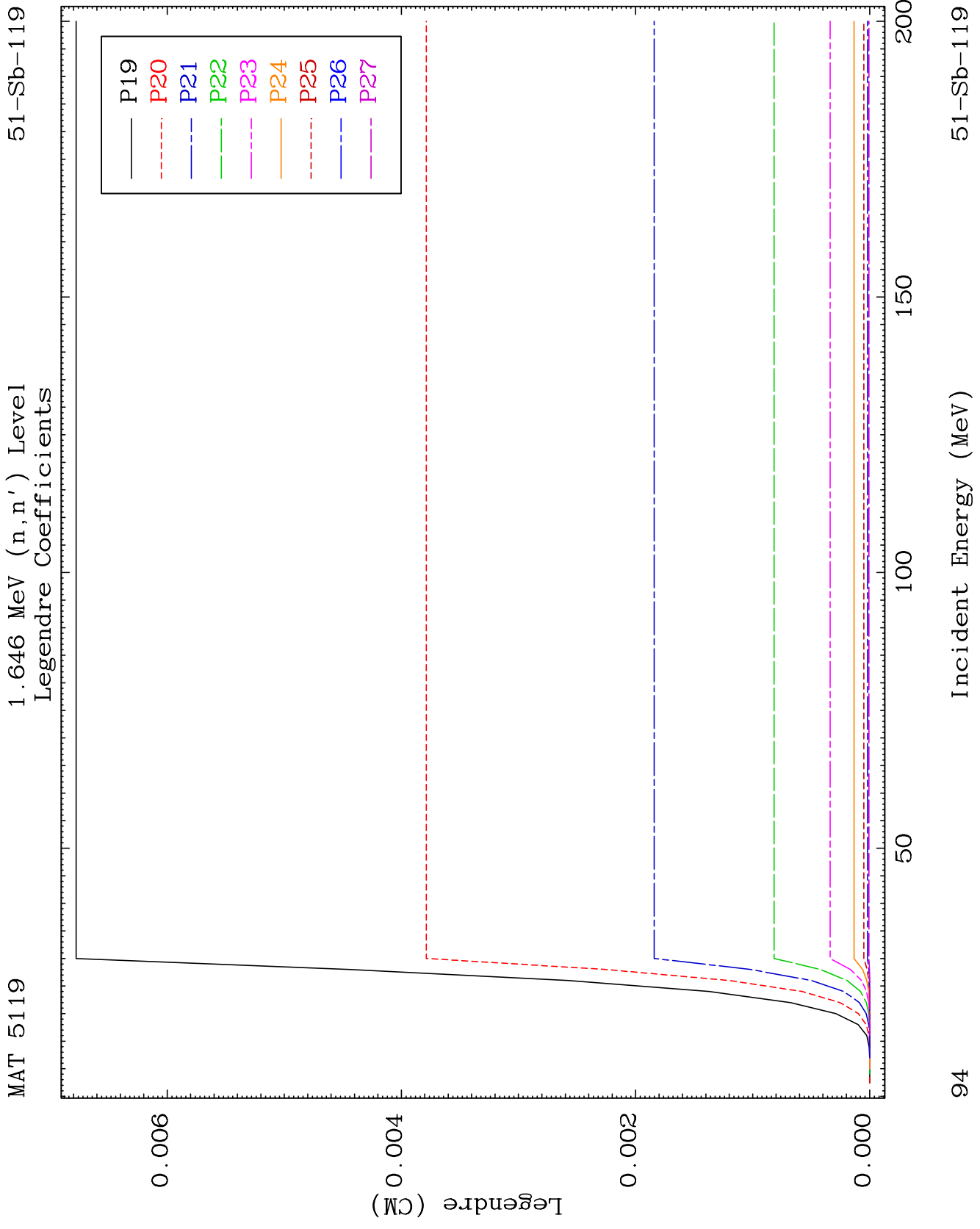
51-Sb-119



93

Incident Energy (MeV)

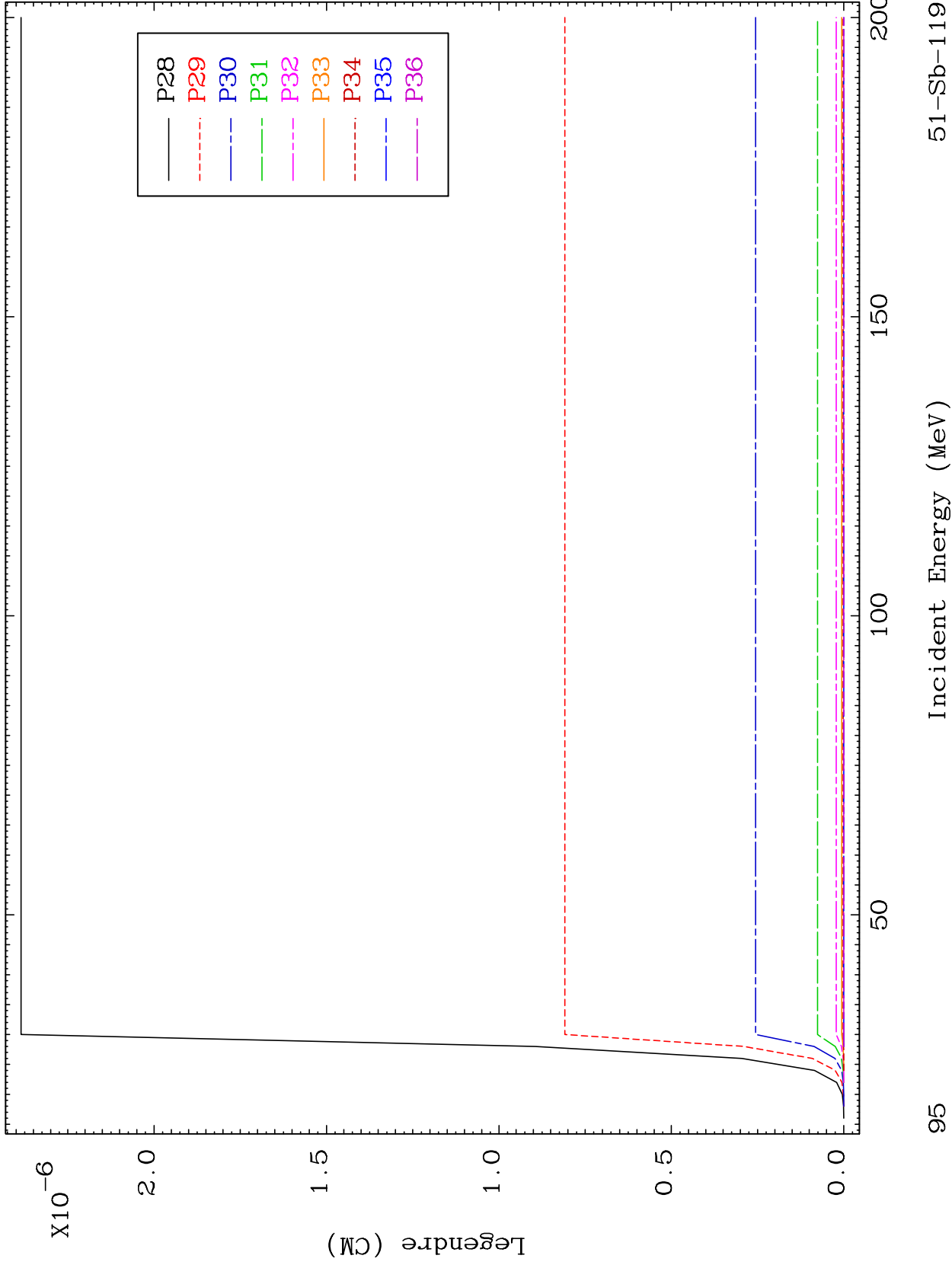
51-Sb-119



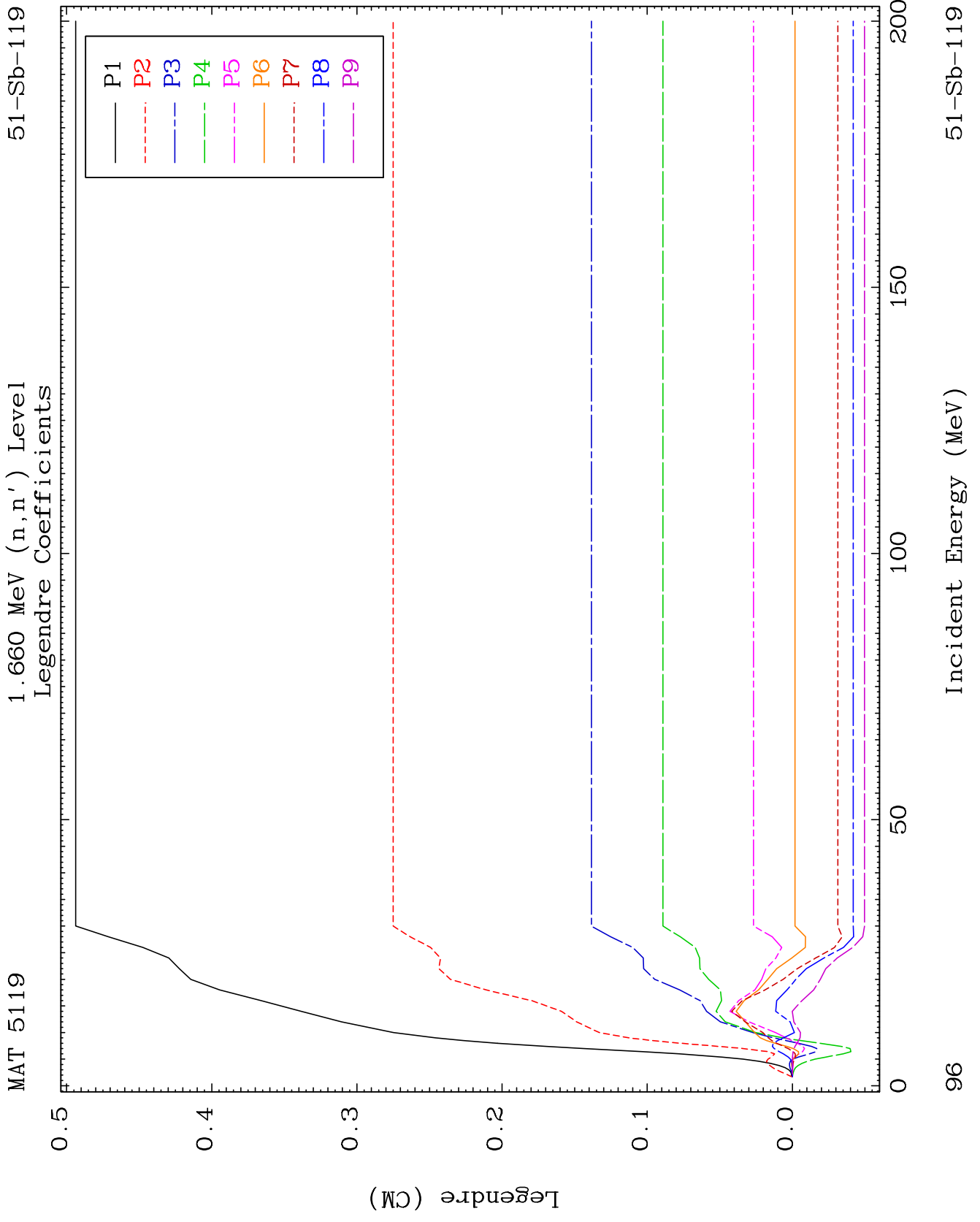
MAT 5119

1.646 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119

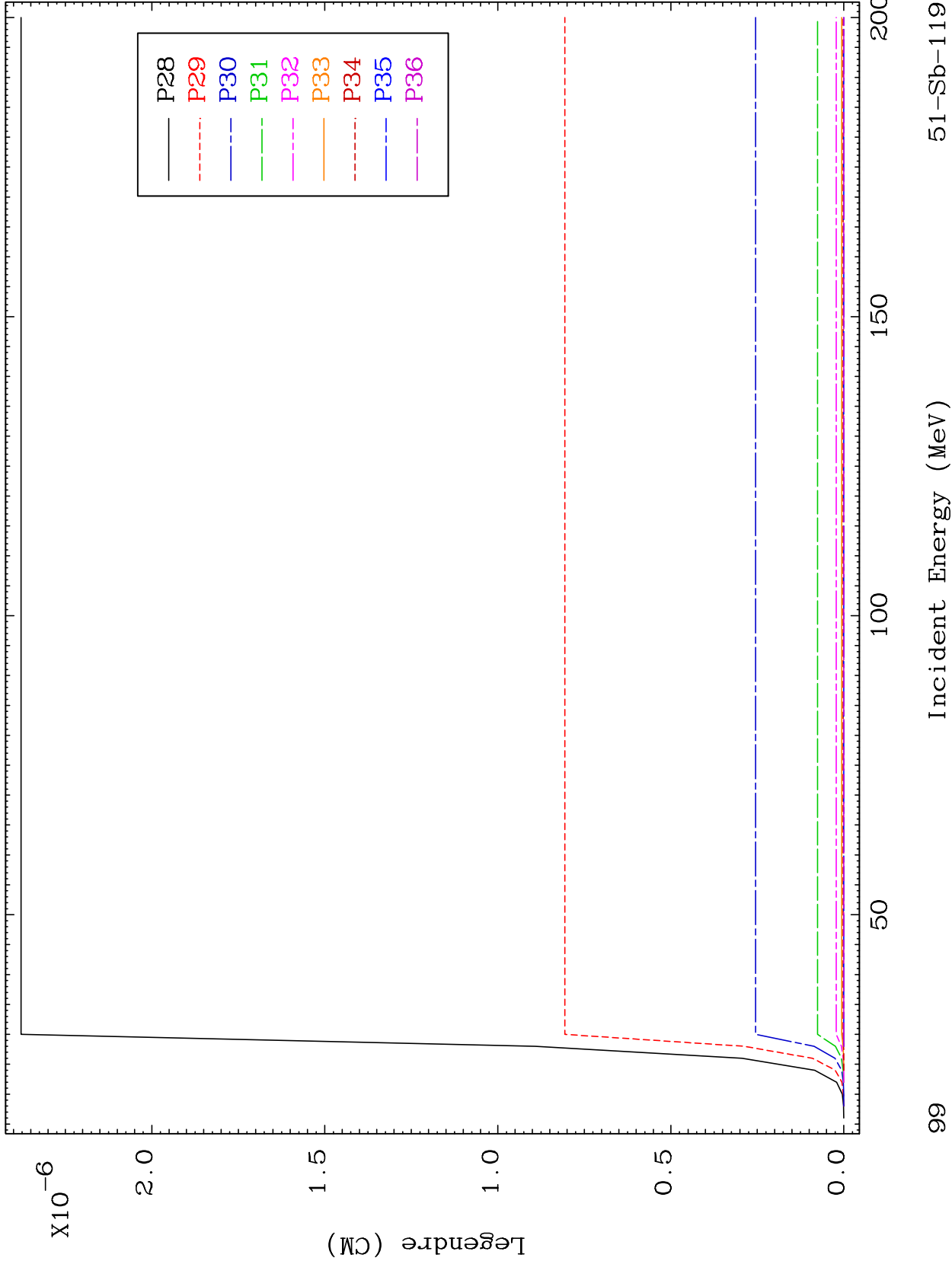


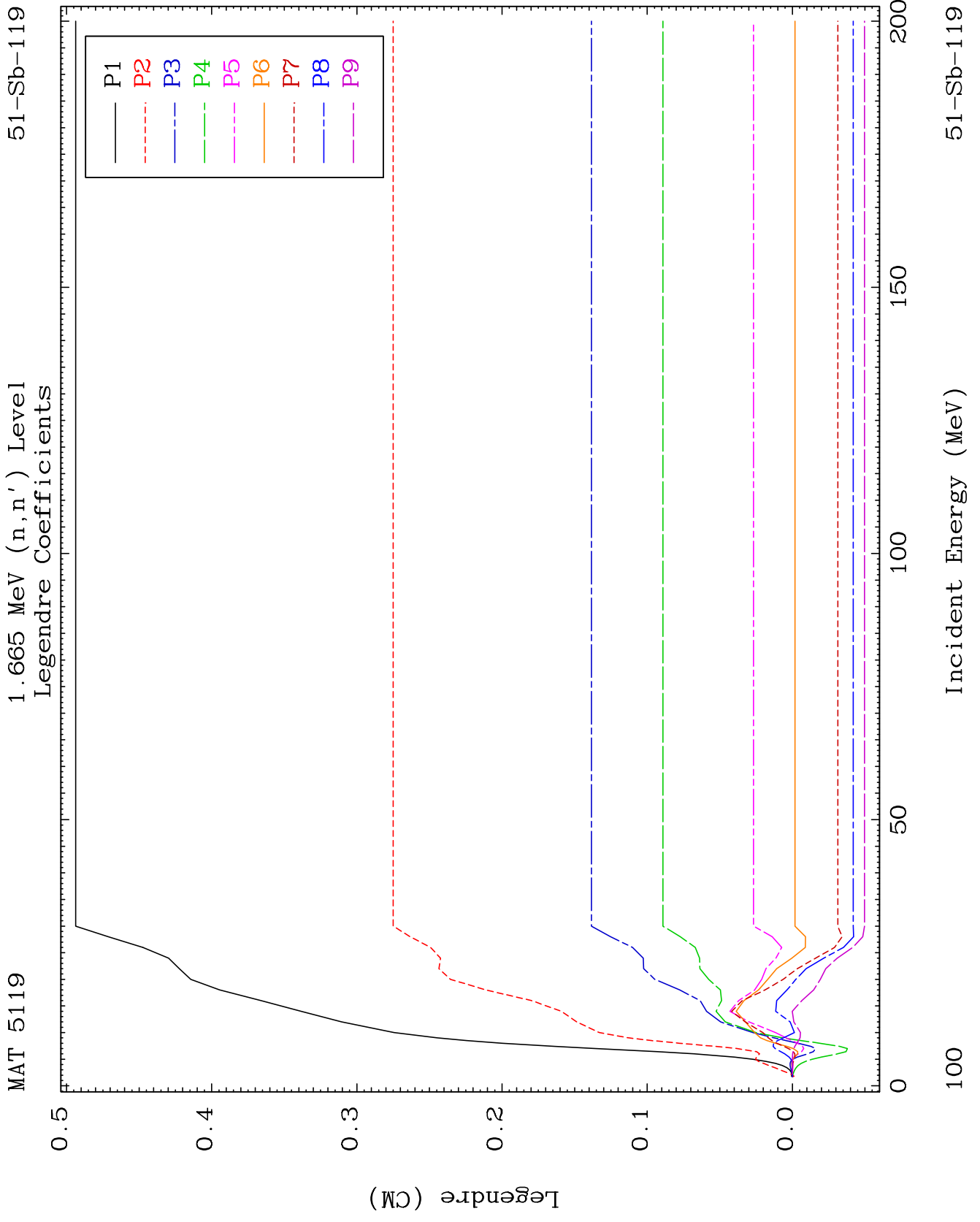


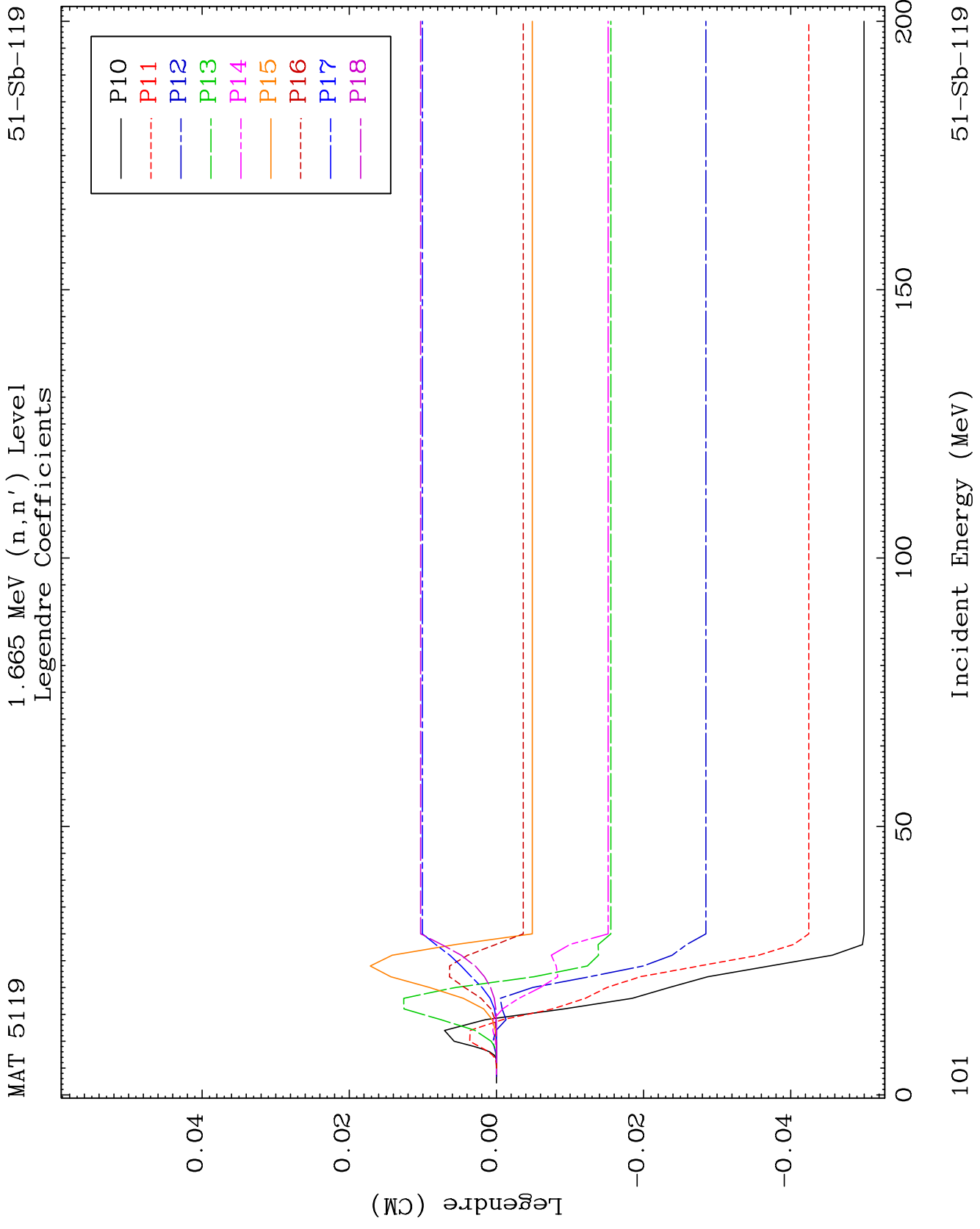


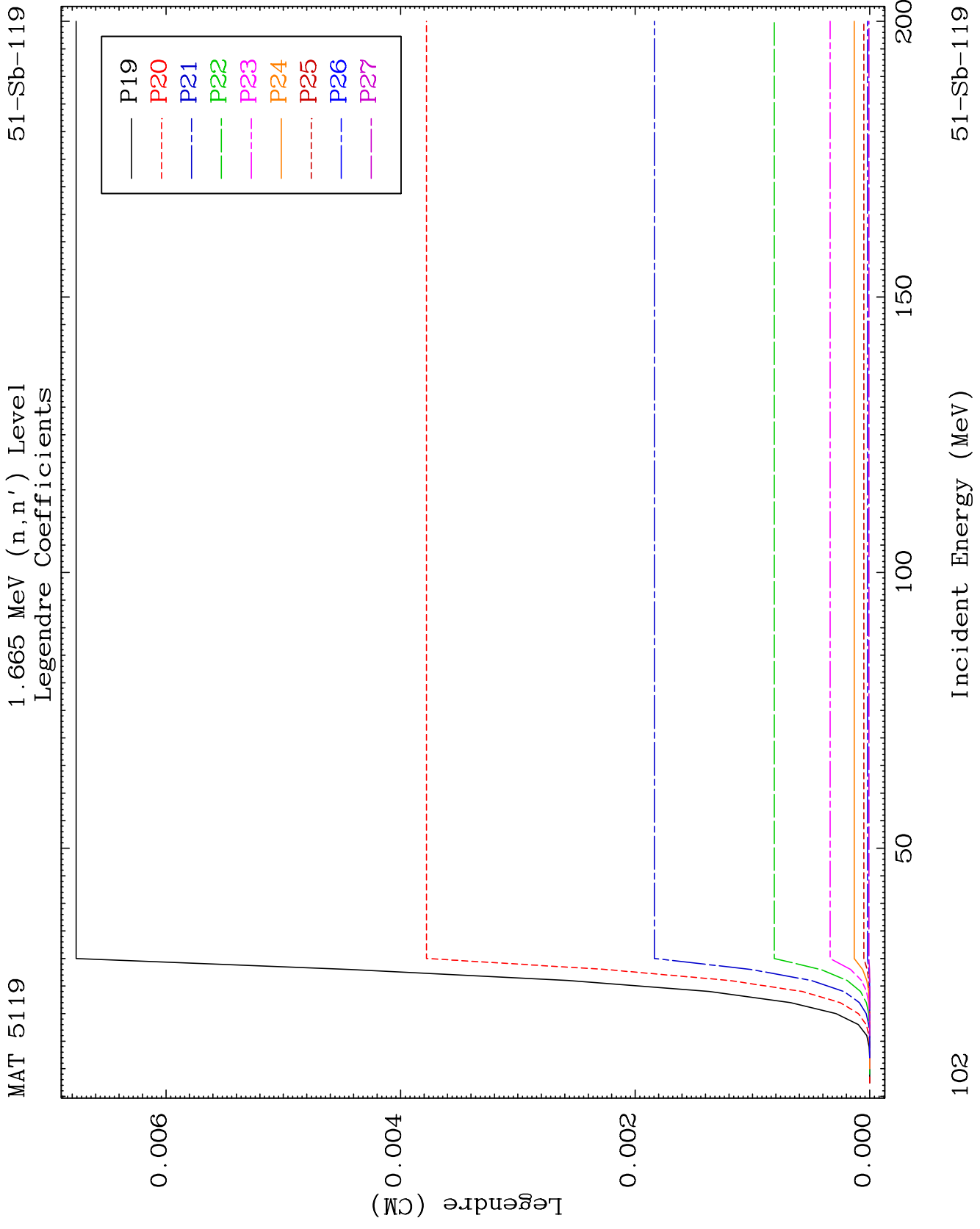








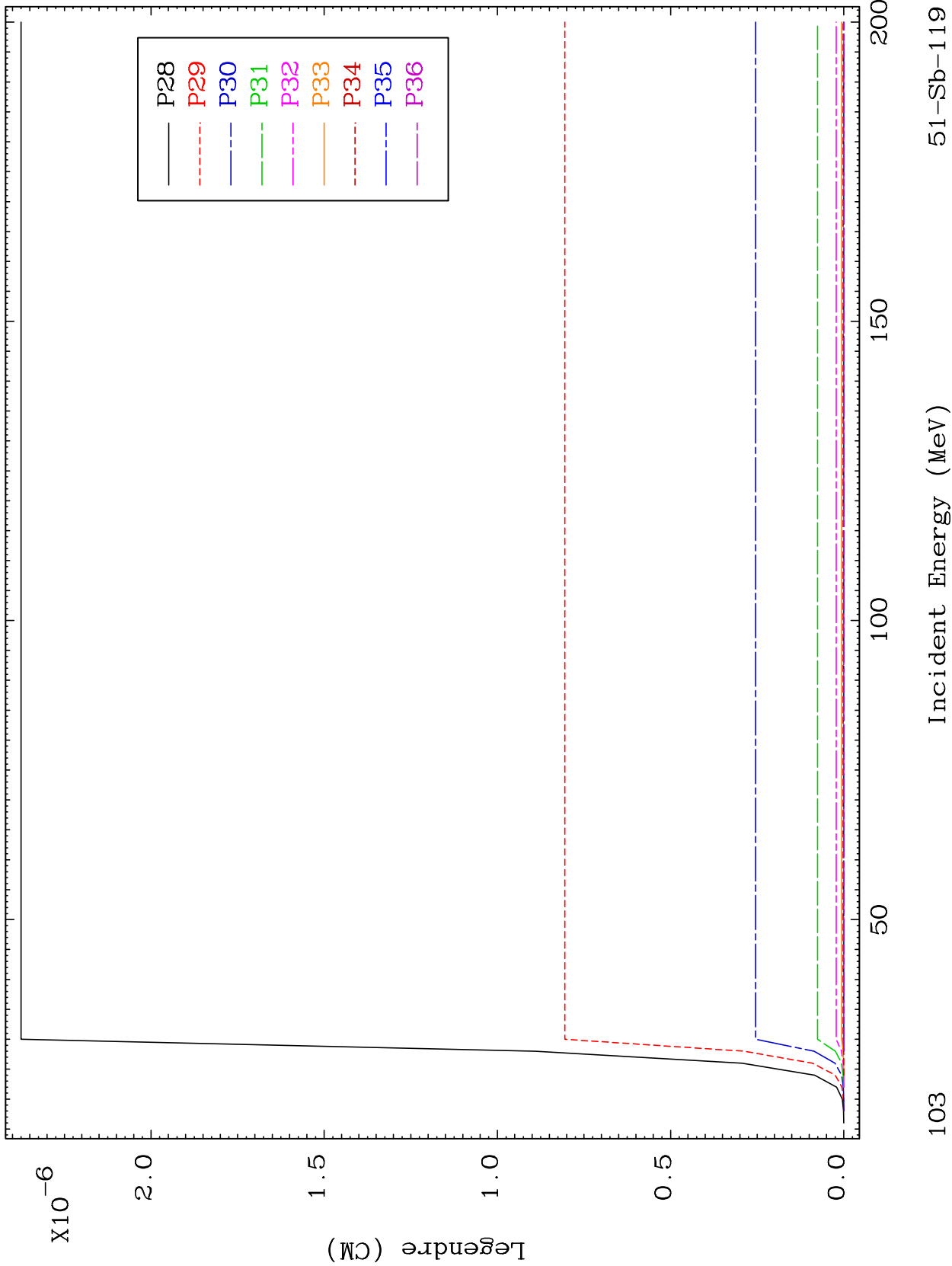




MAT 5119

1.665 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119



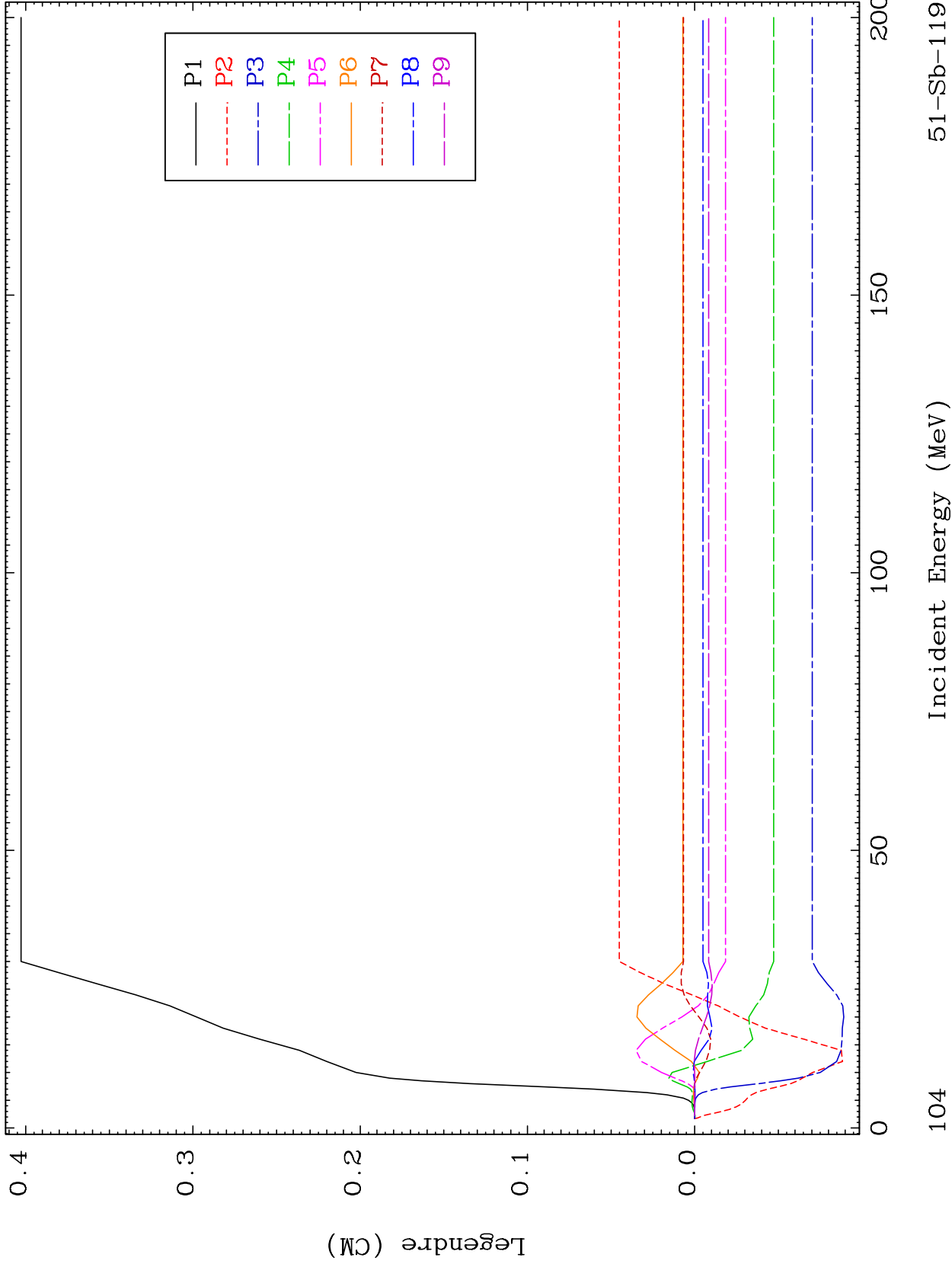
103



MAT 5119

1.676 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119



51-Sb-119

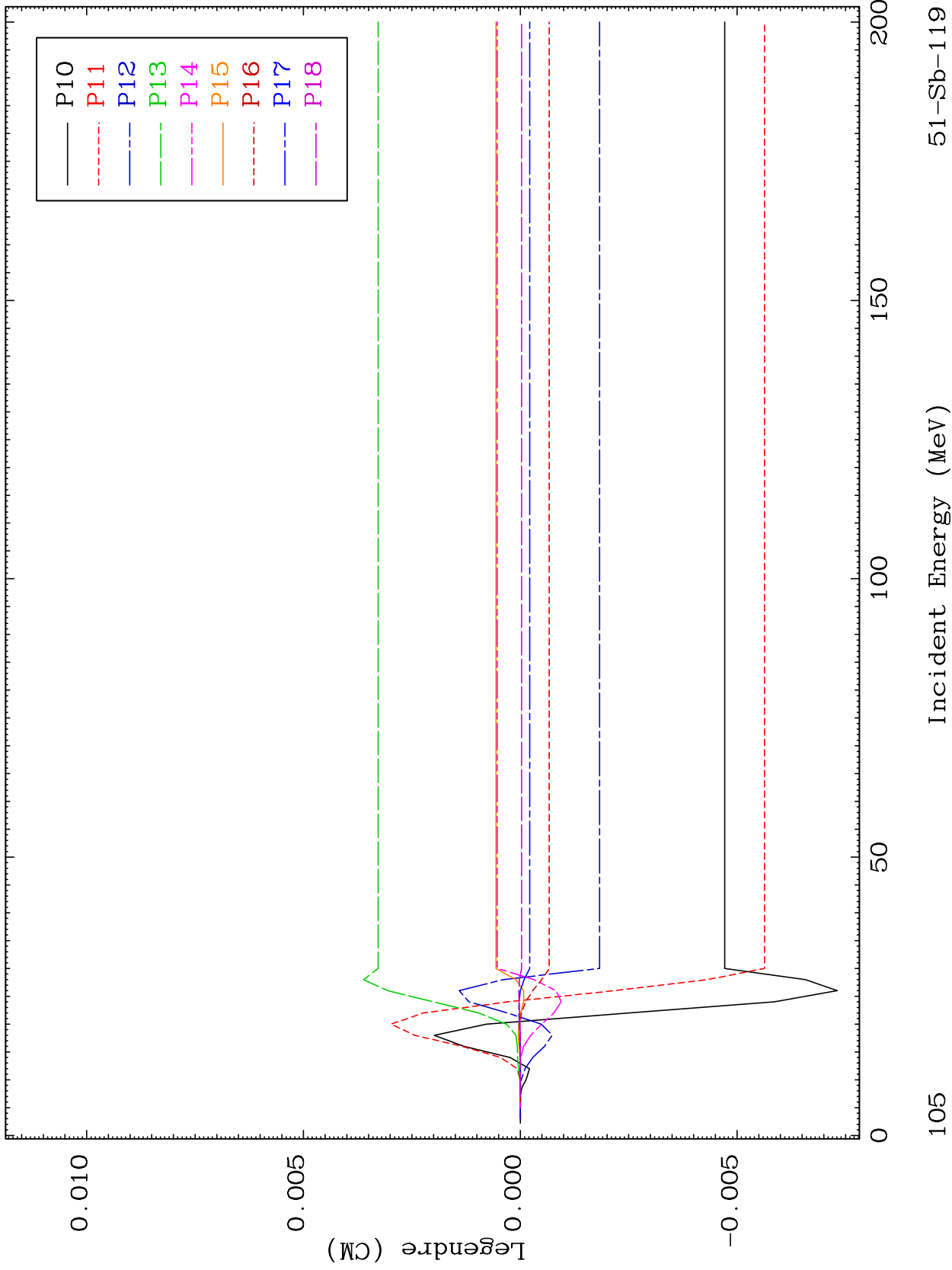
Incident Energy (MeV)

104

MAT 5119

1.676 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119

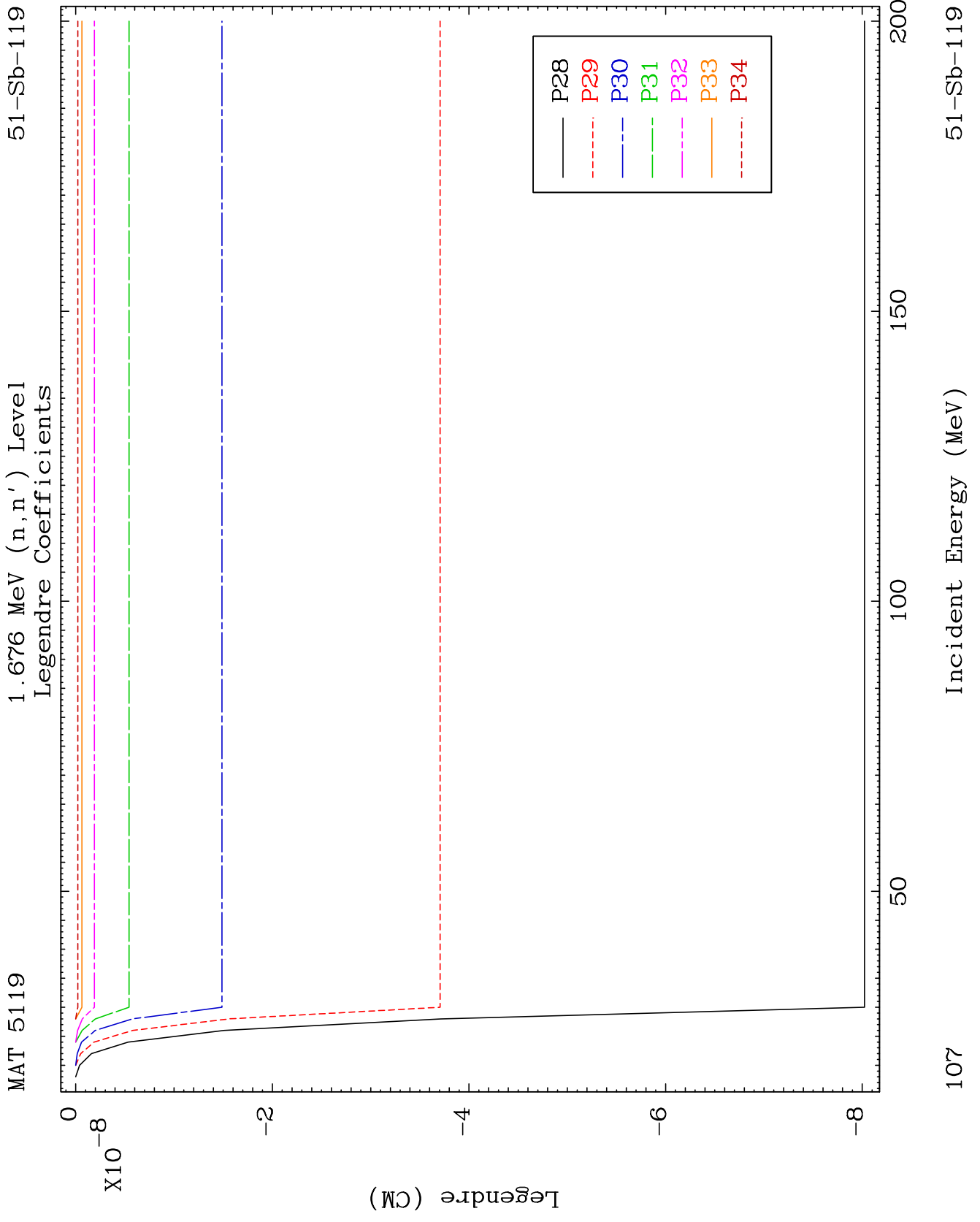


51-Sb-119

Incident Energy (MeV)

105

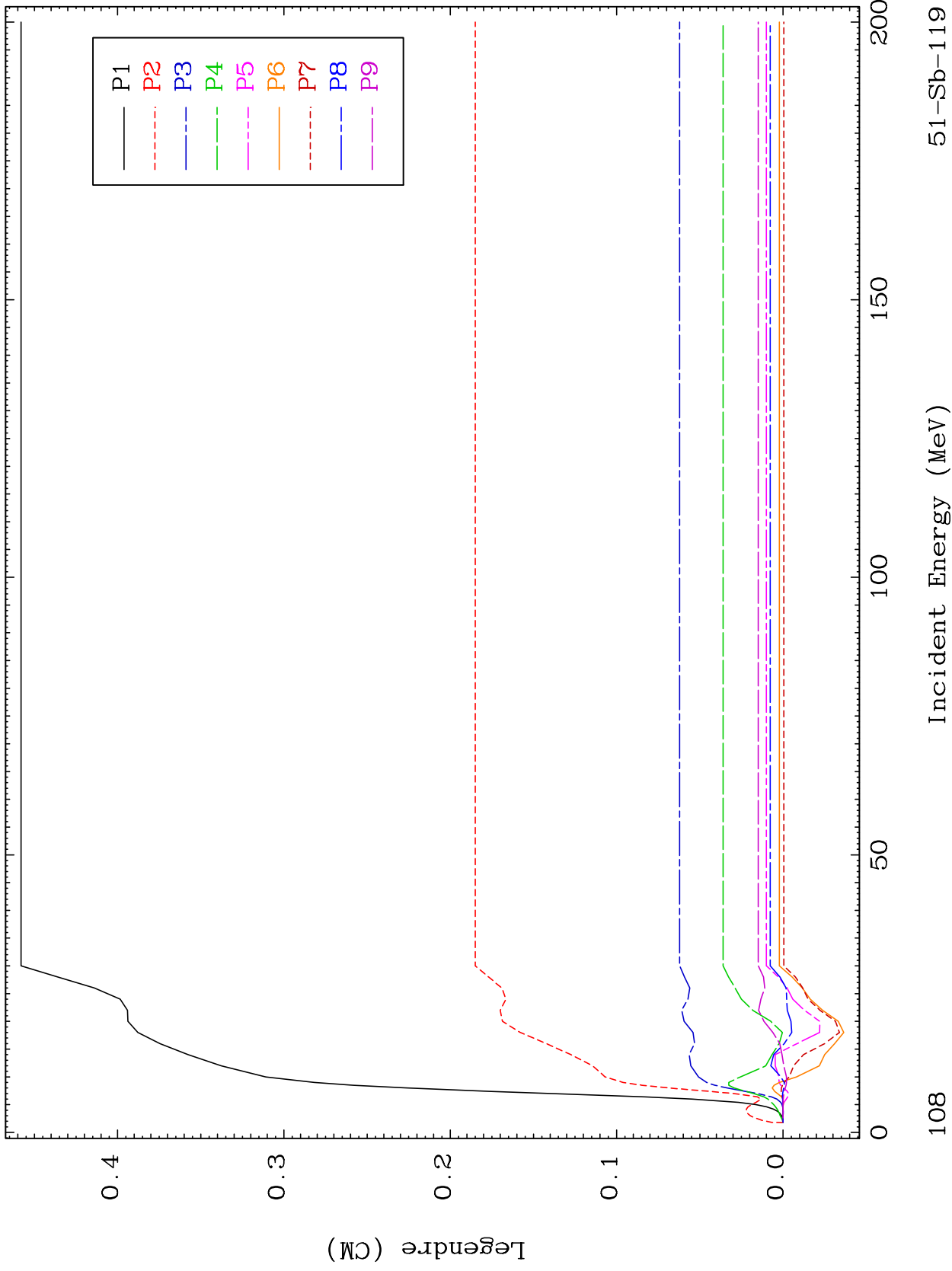




MAT 5119

1.730 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119



51-Sb-119

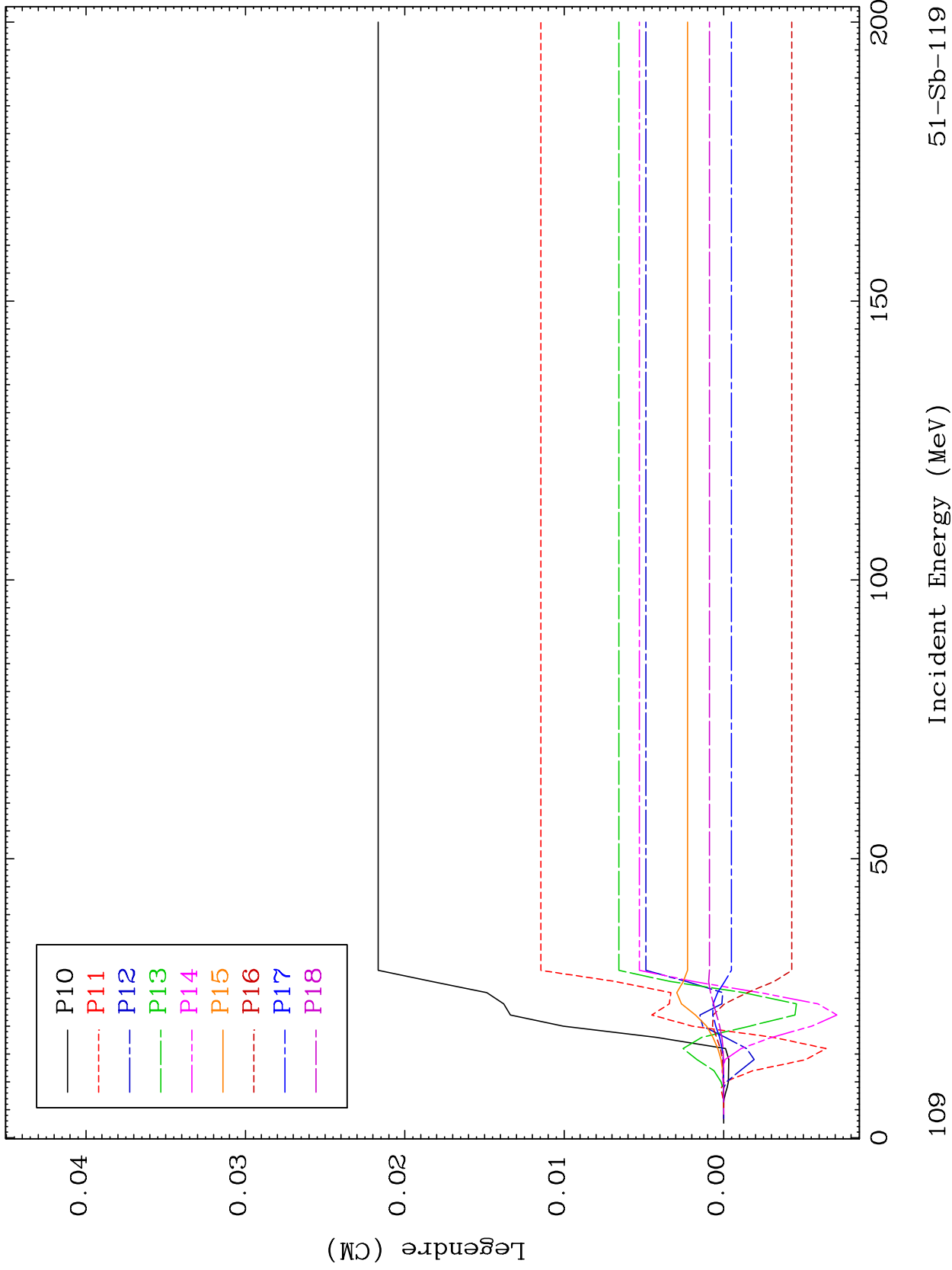
Incident Energy (MeV)

108

MAT 5119

1.730 MeV (n,n') Level  
Legendre Coefficients

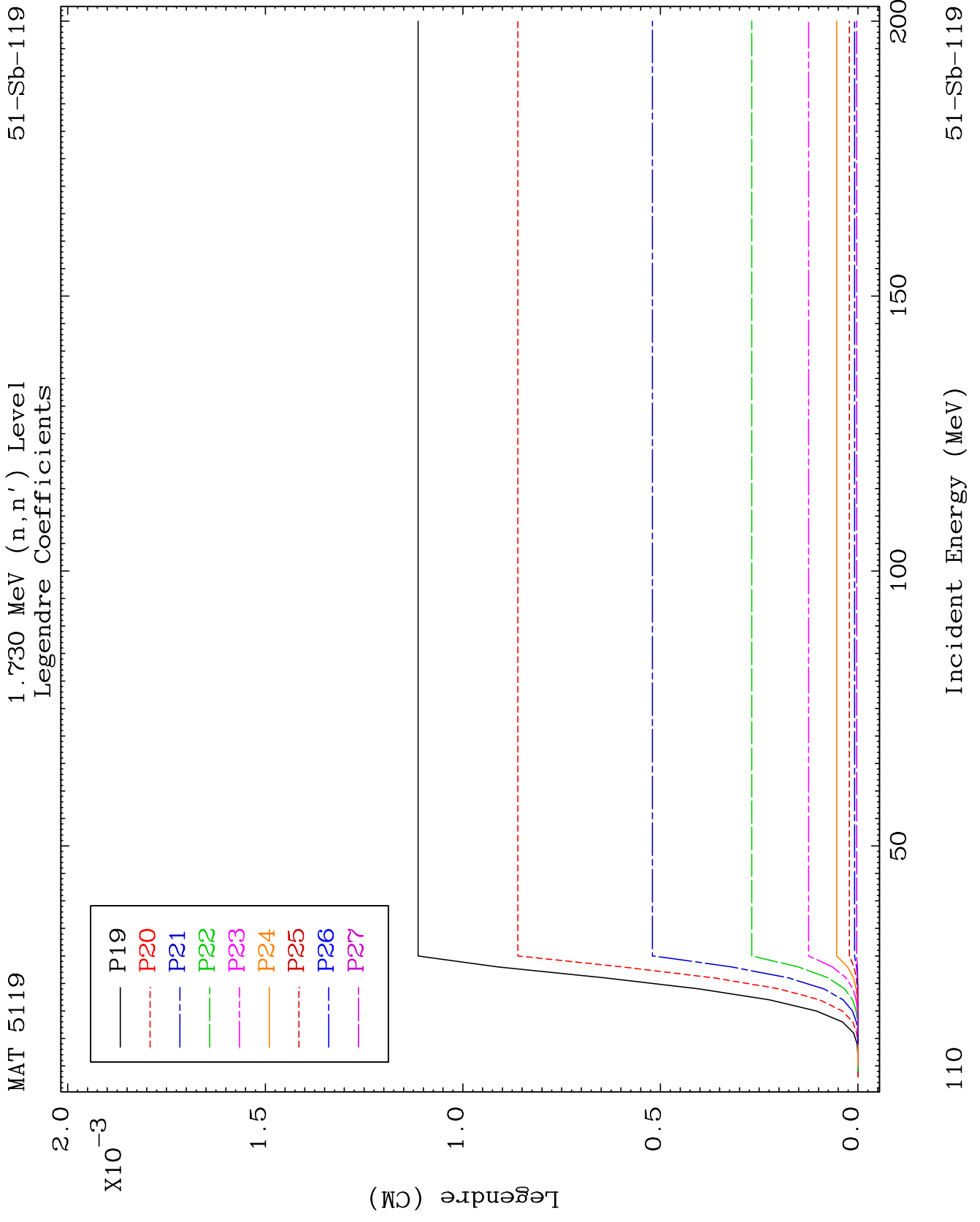
51-Sb-119

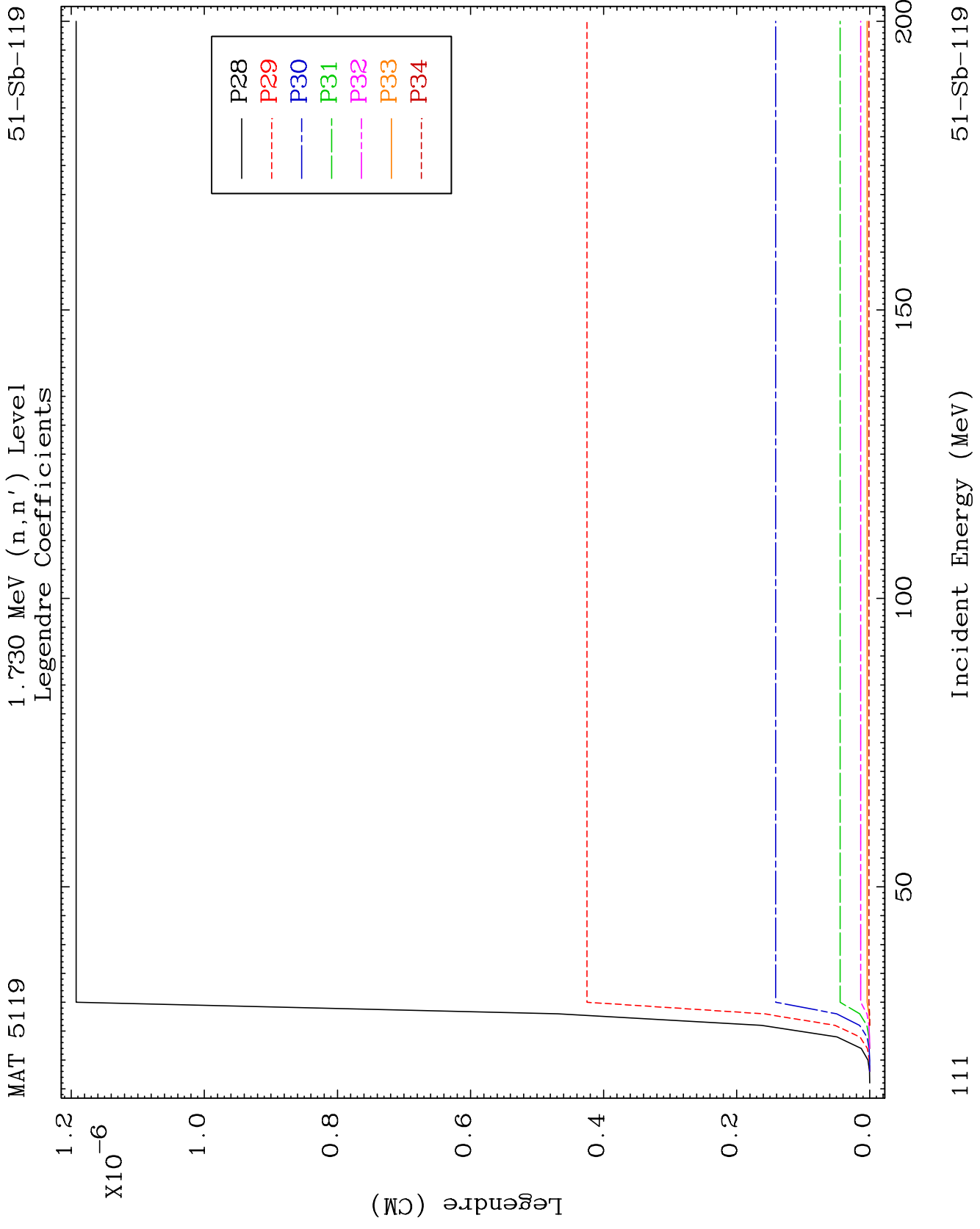


51-Sb-119

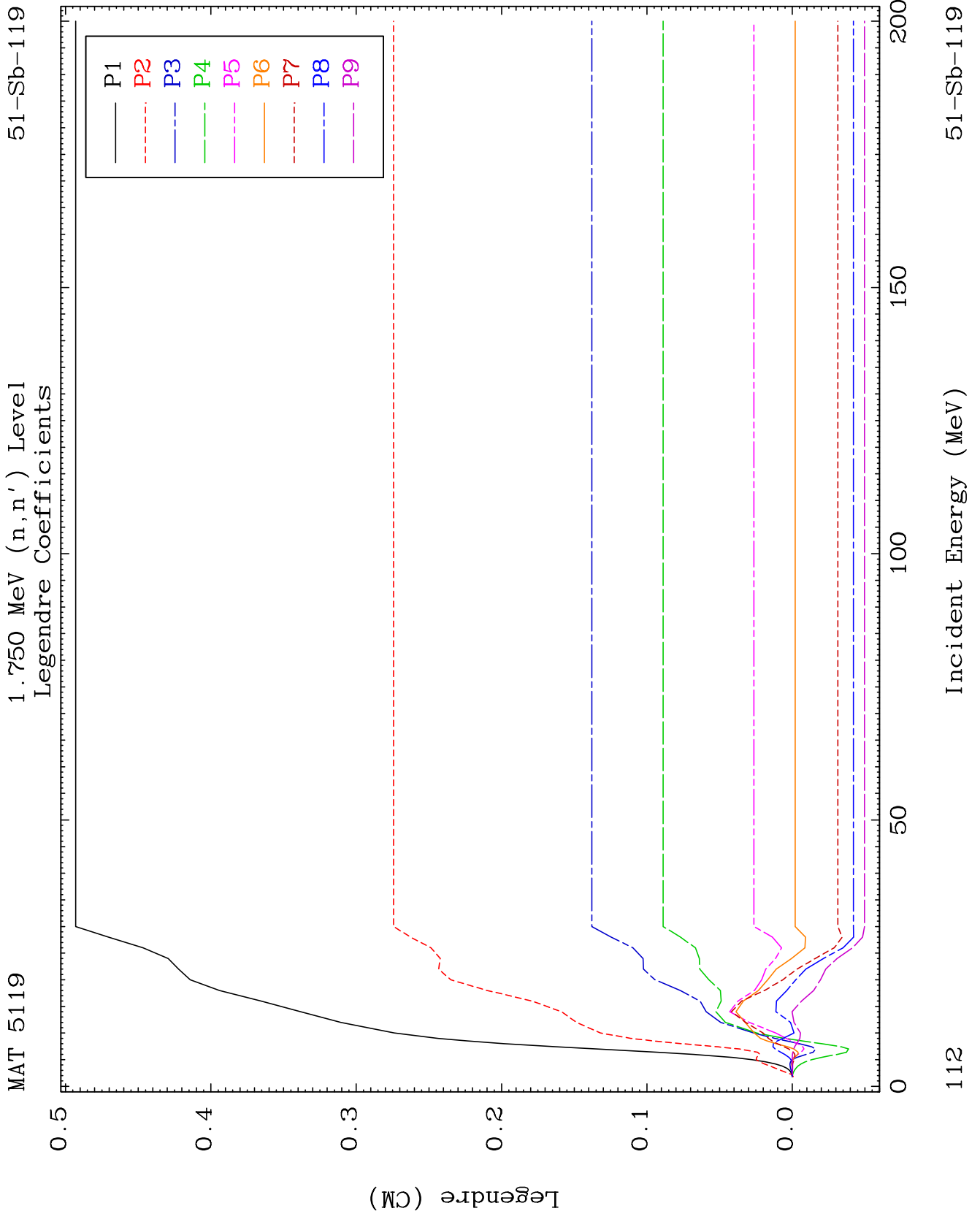
Incident Energy (MeV)

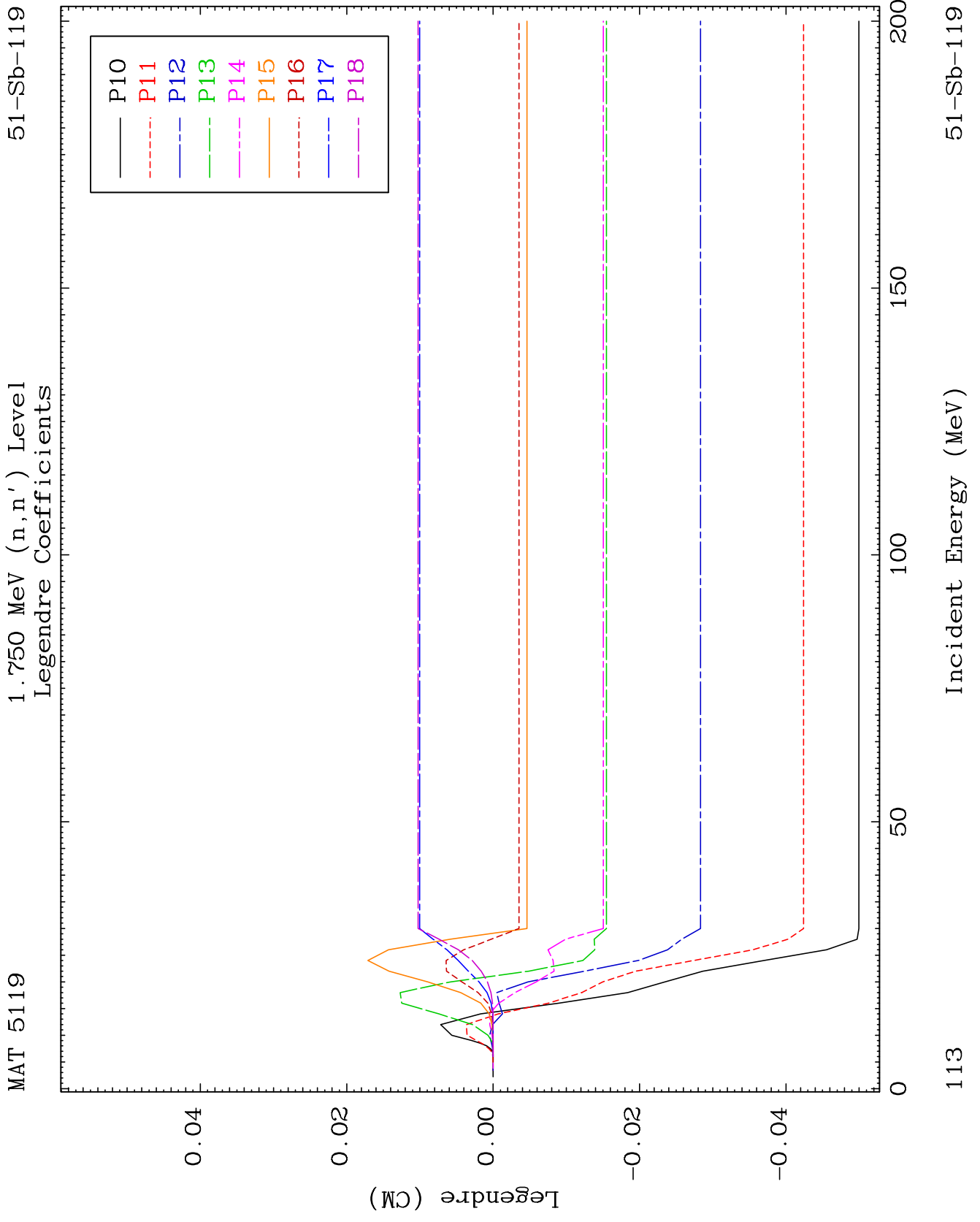
109



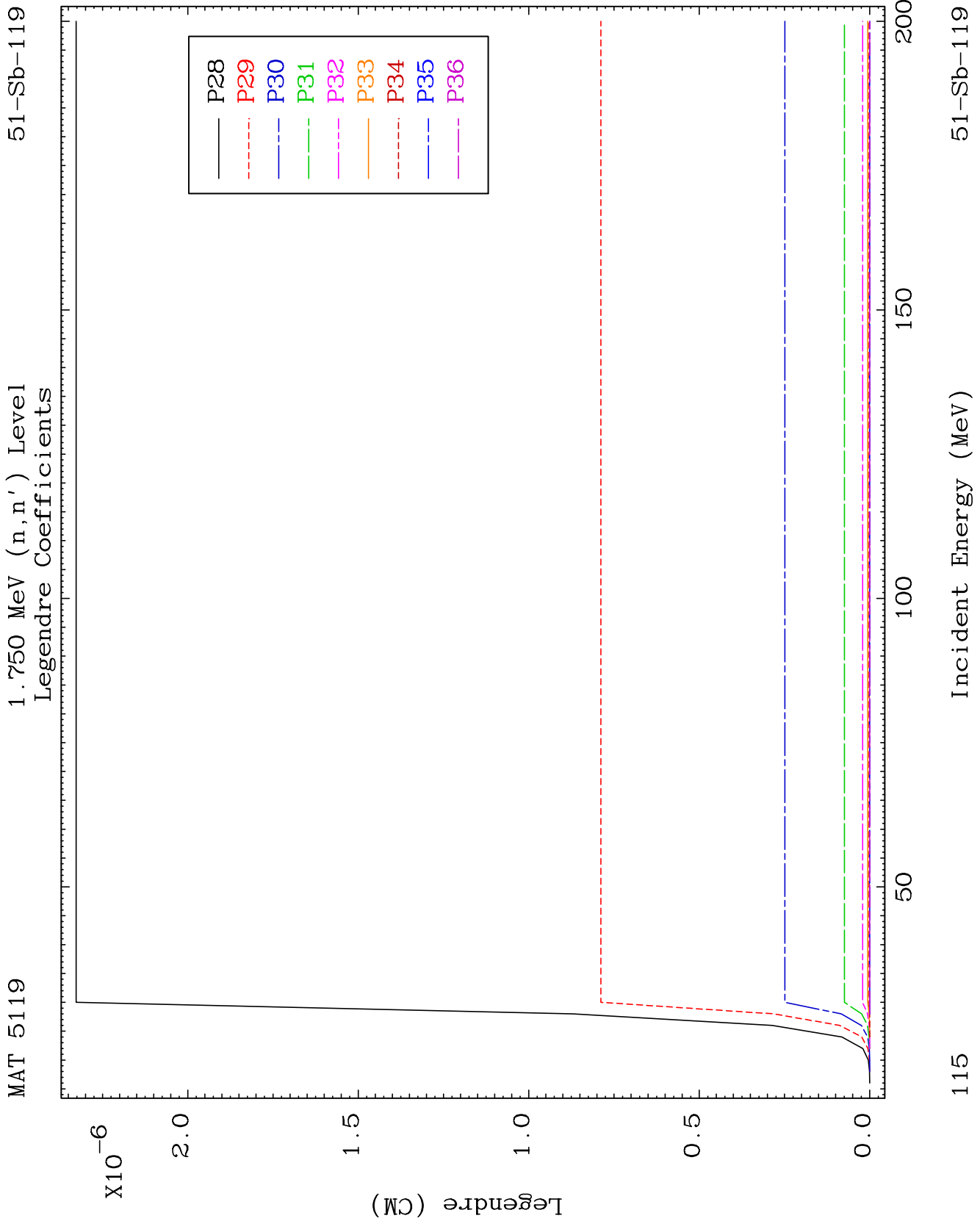


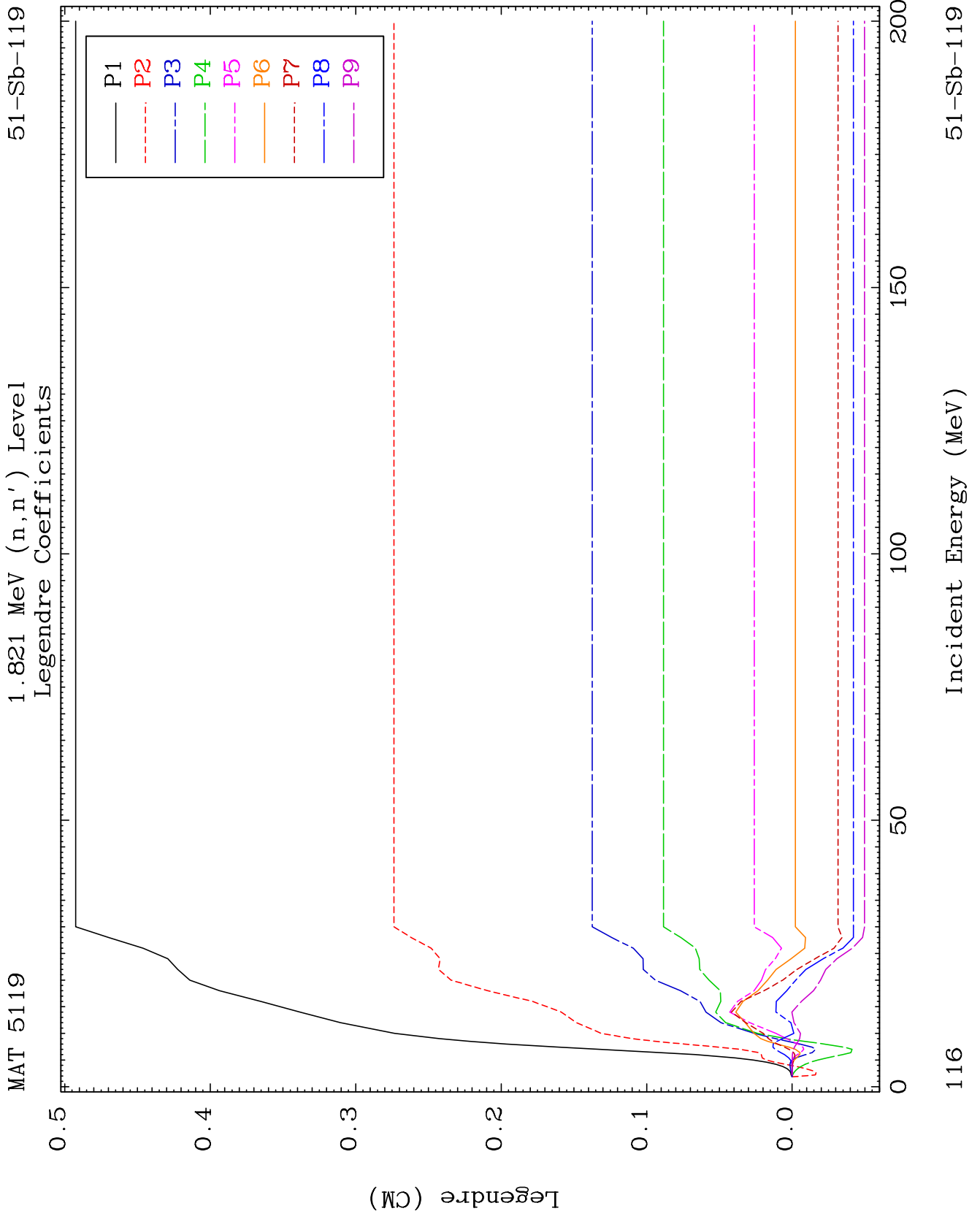


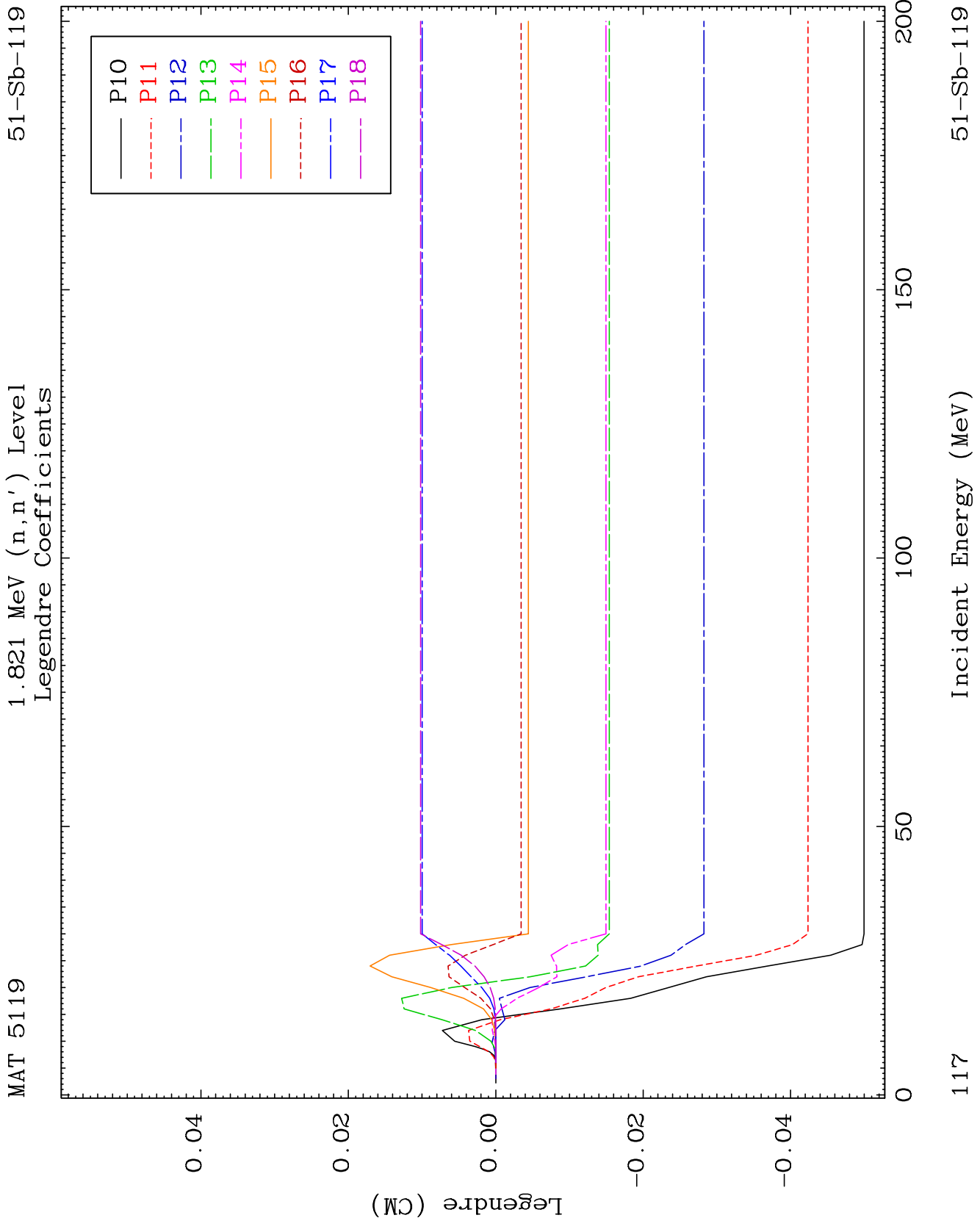


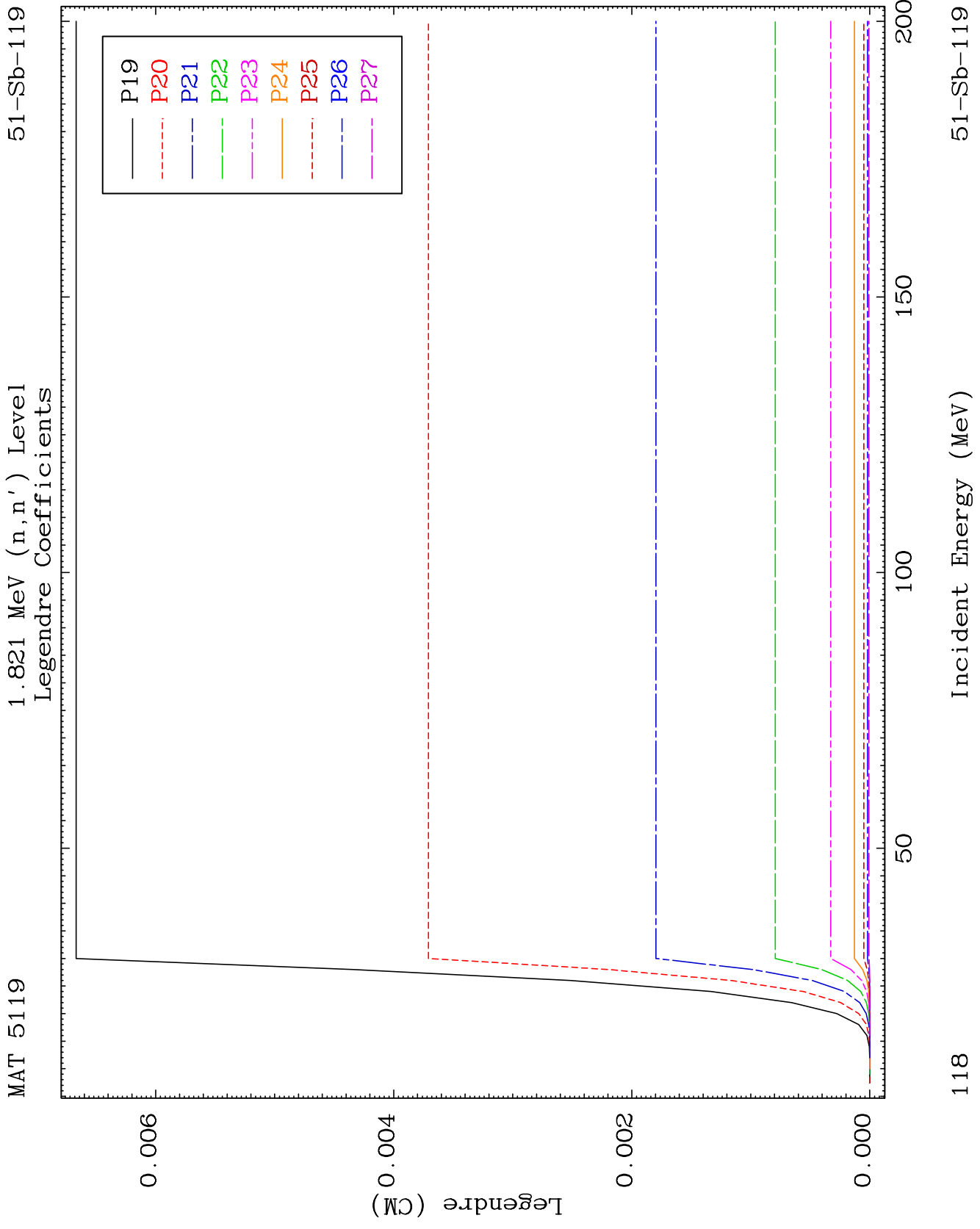


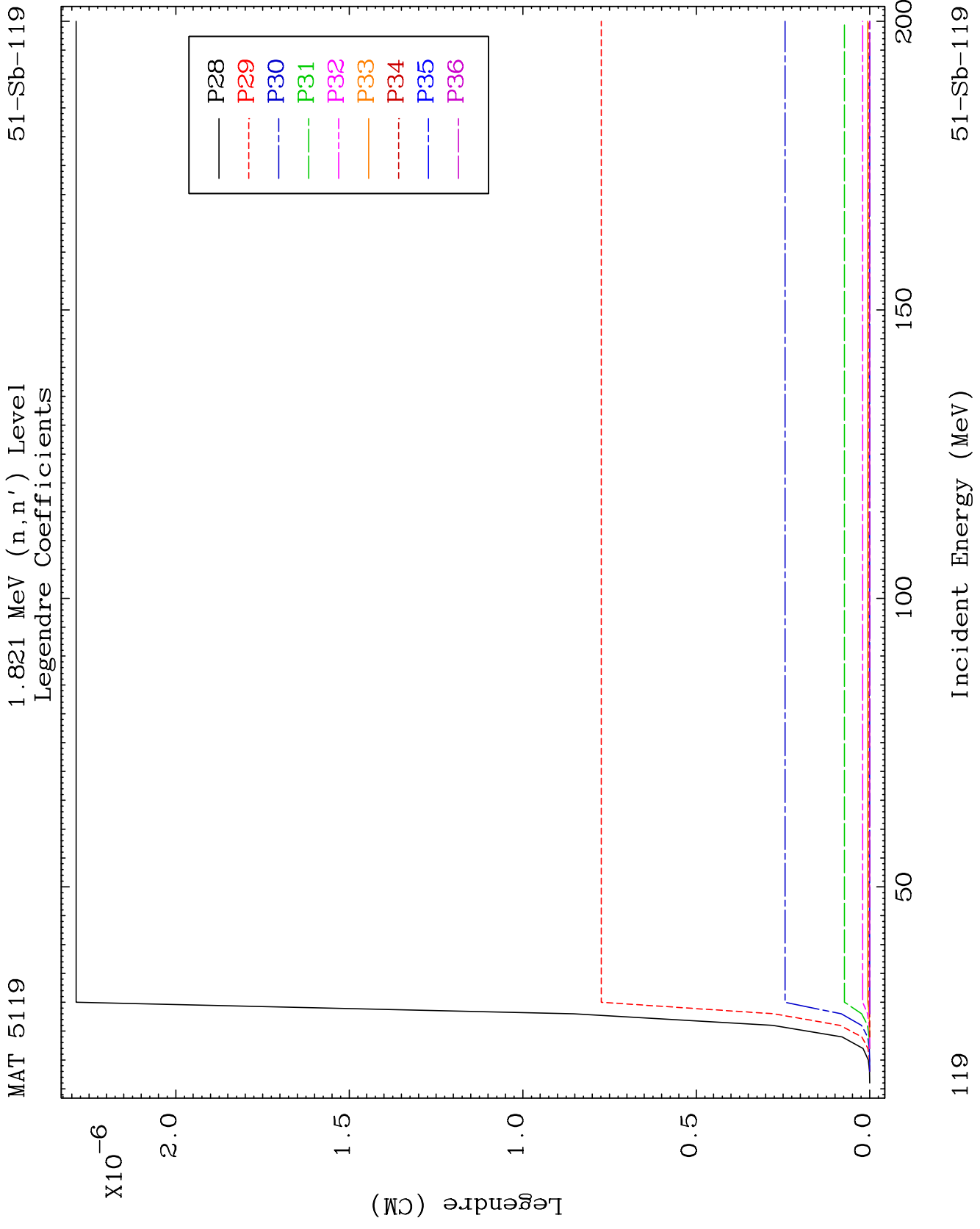




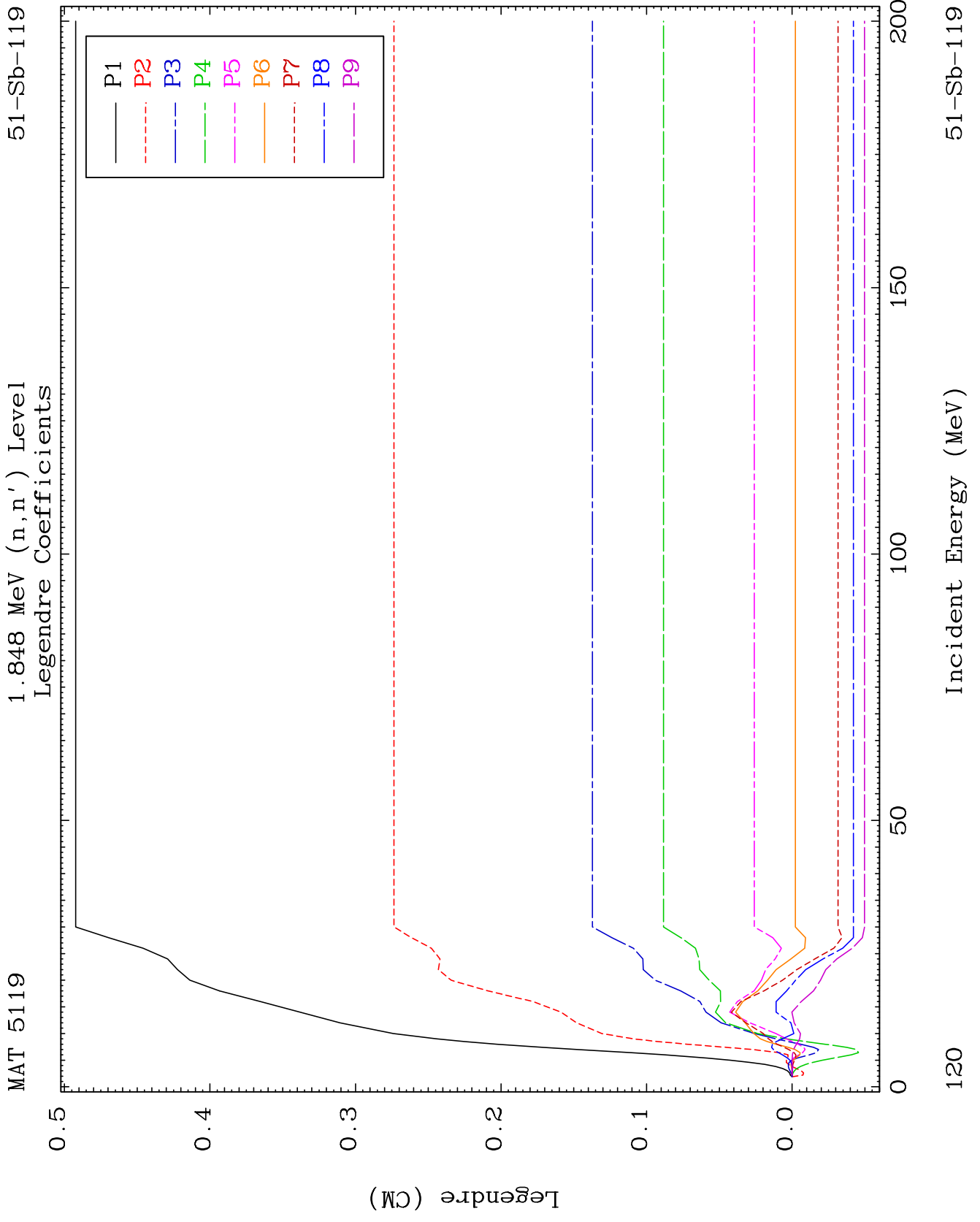


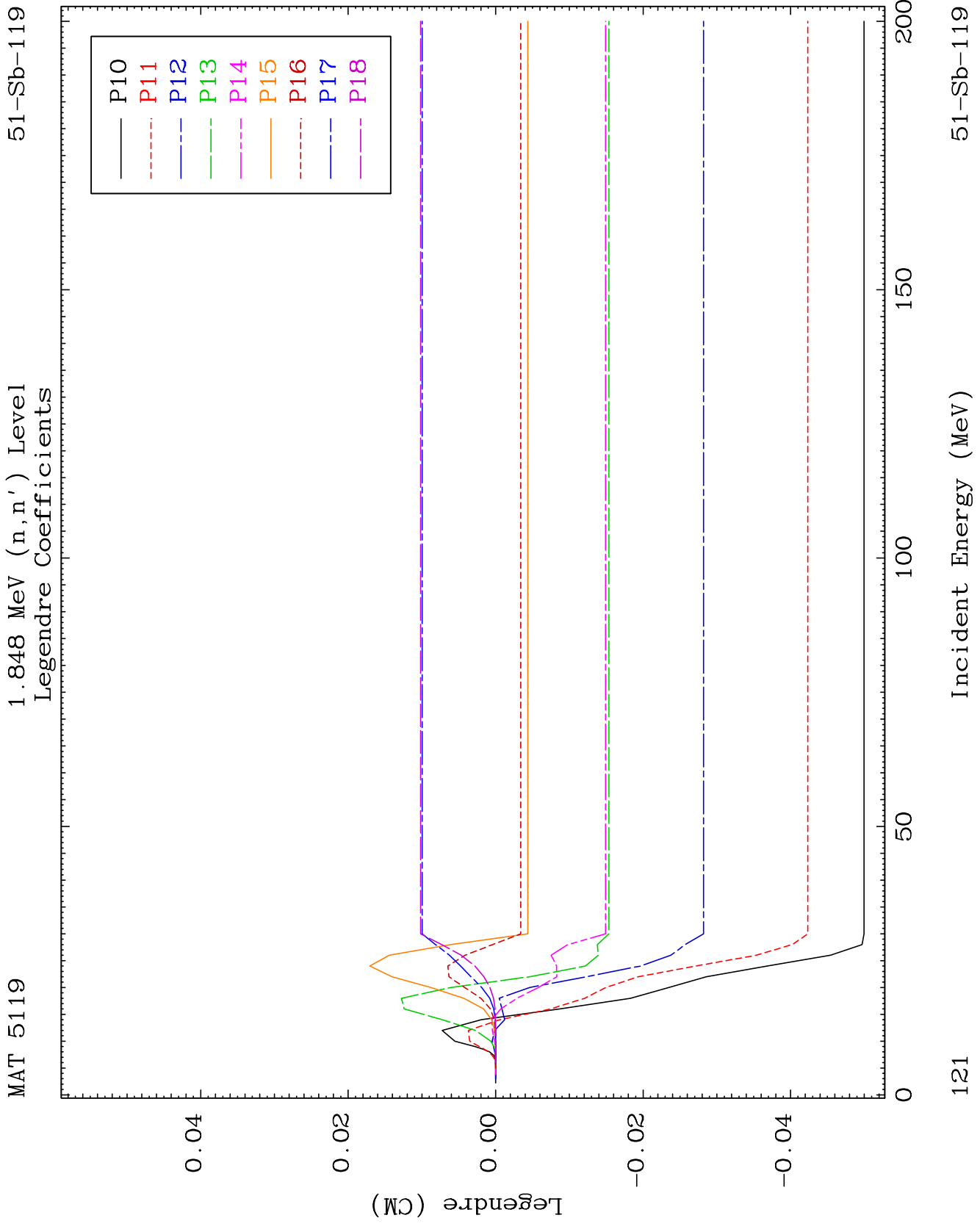


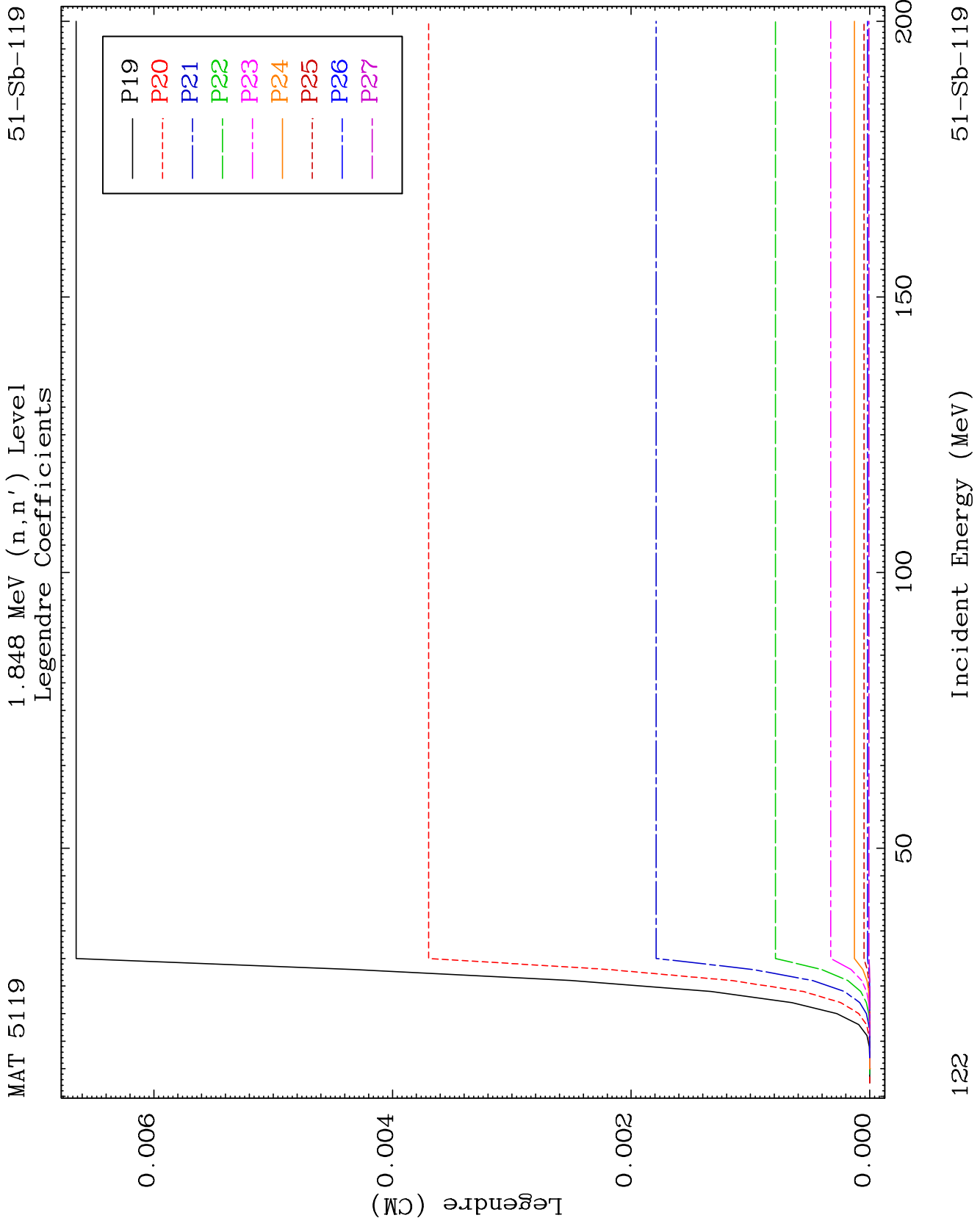


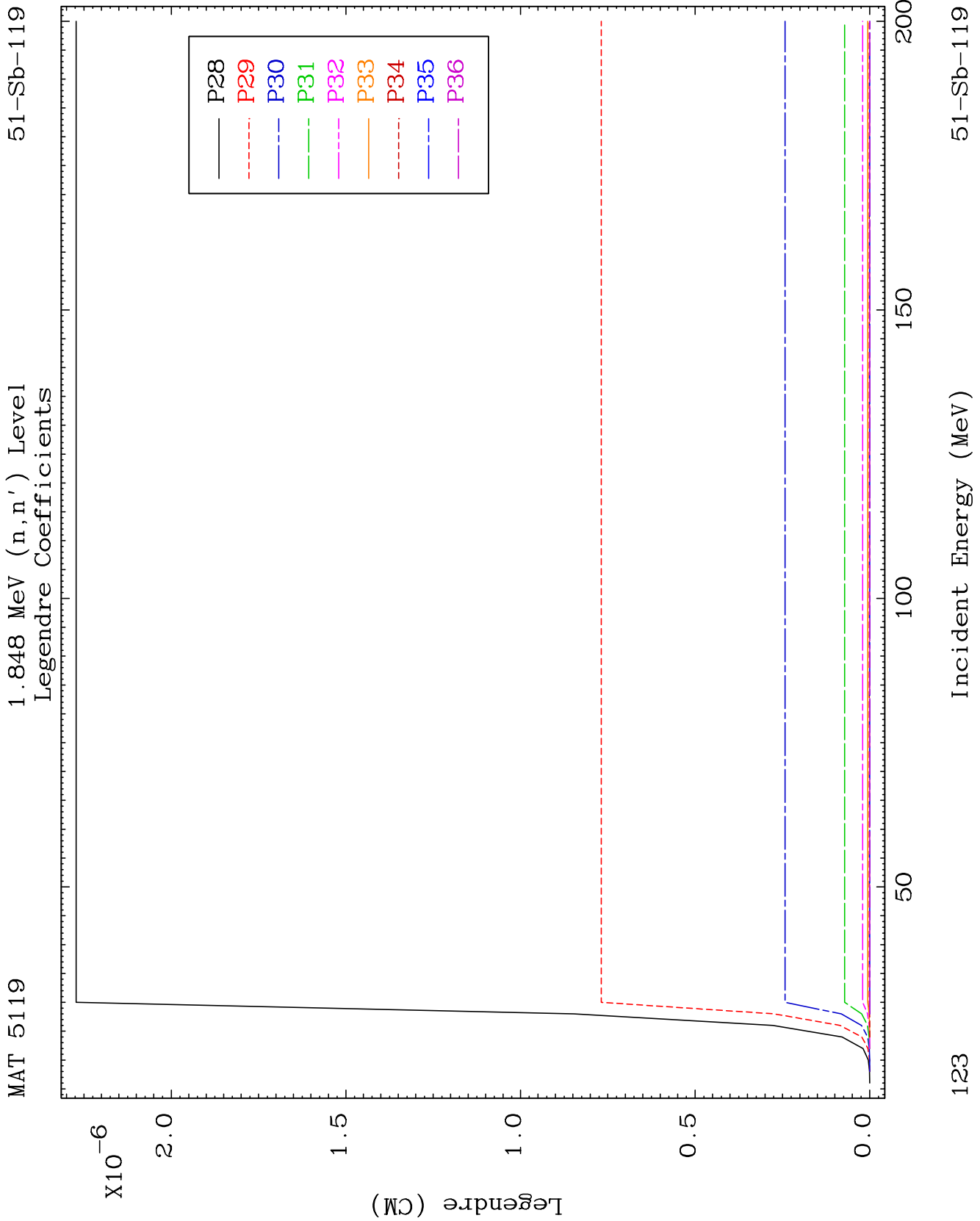


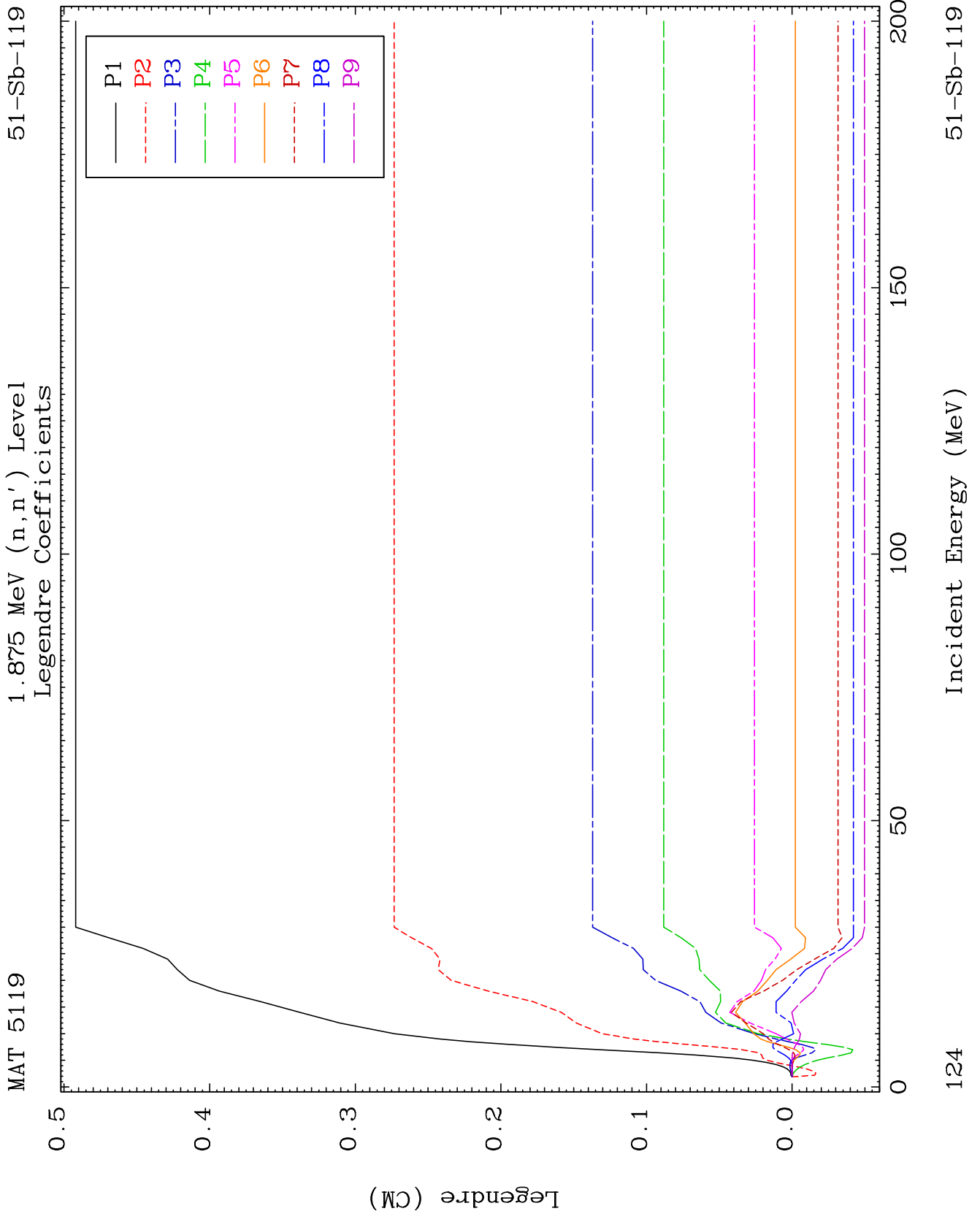


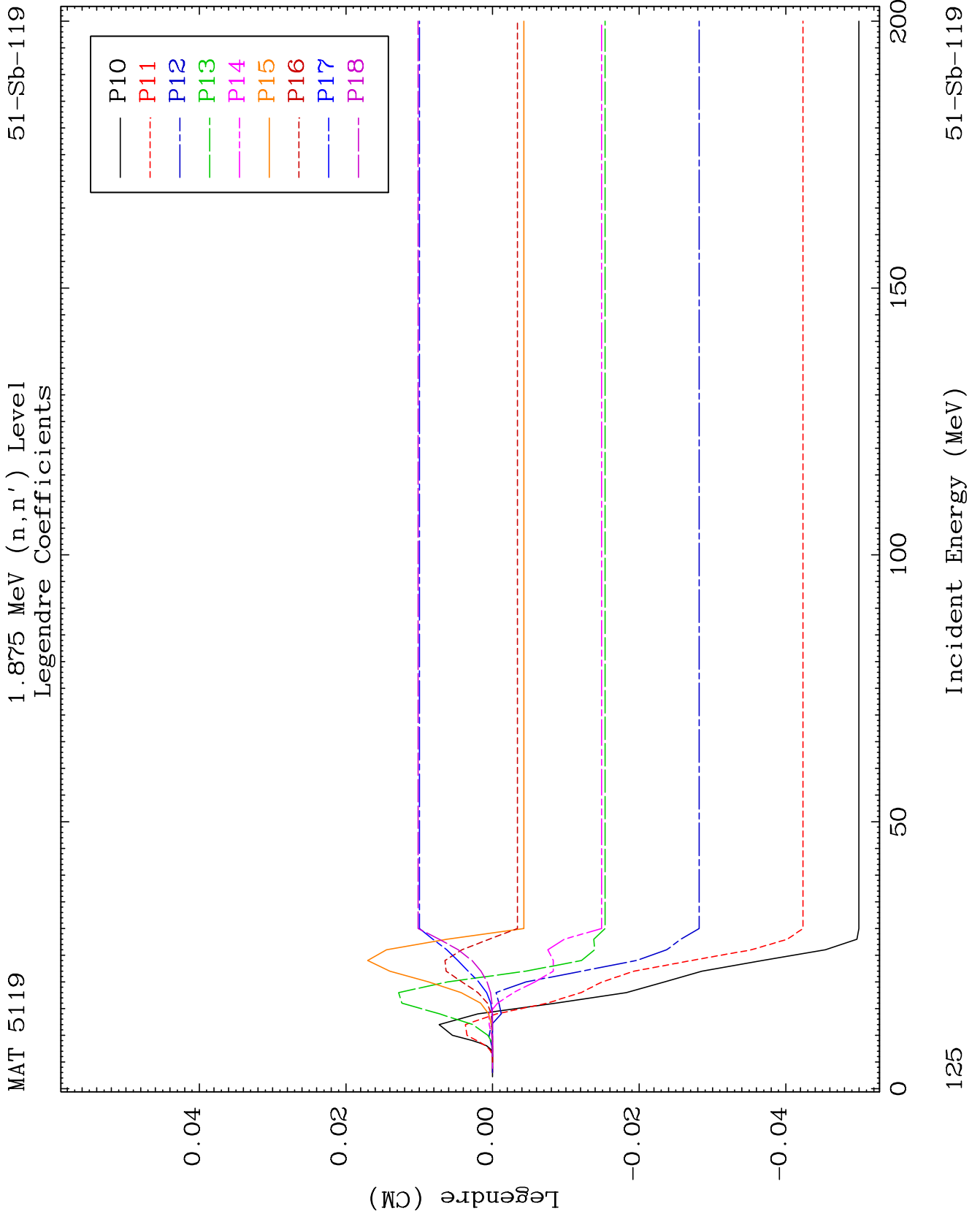


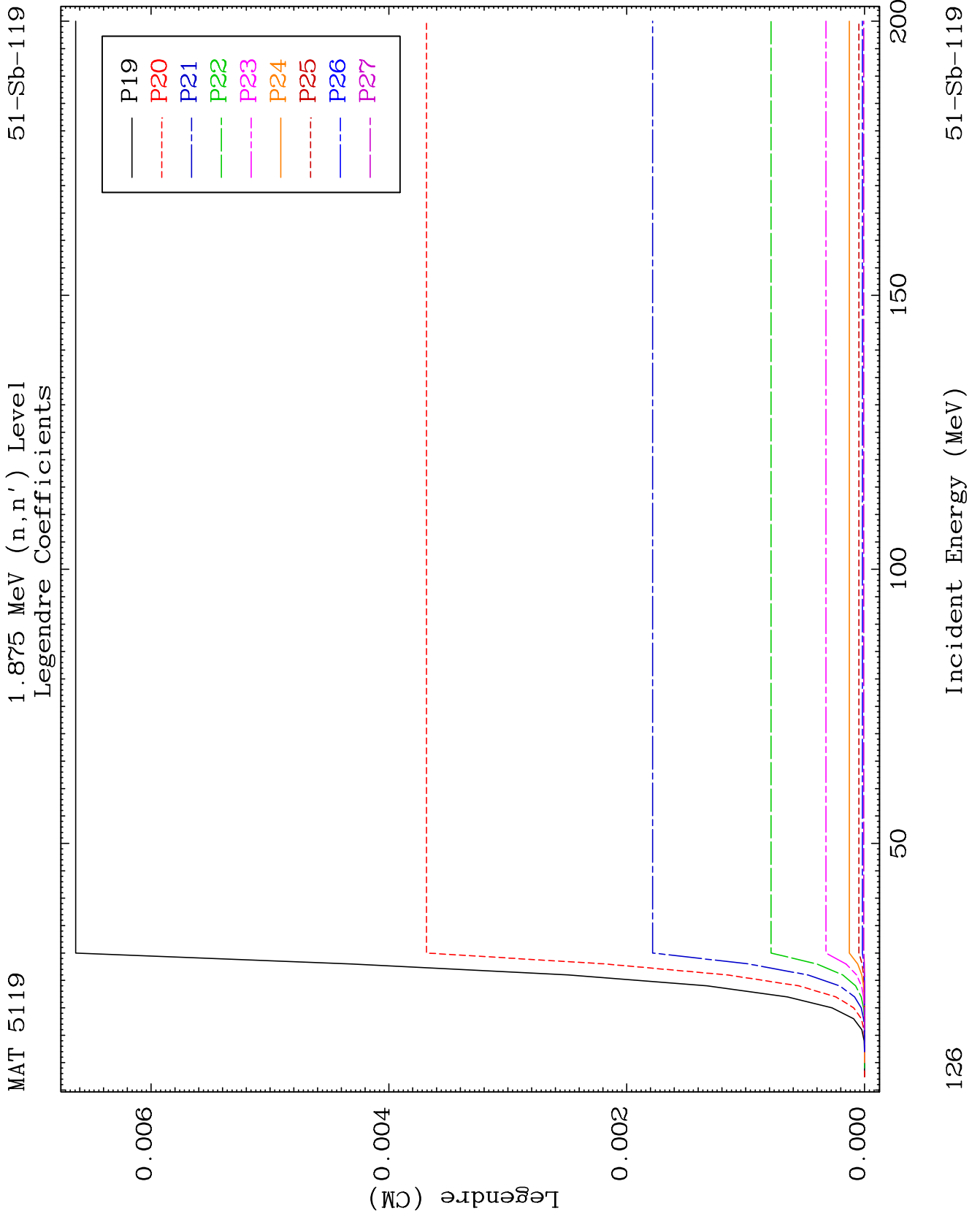


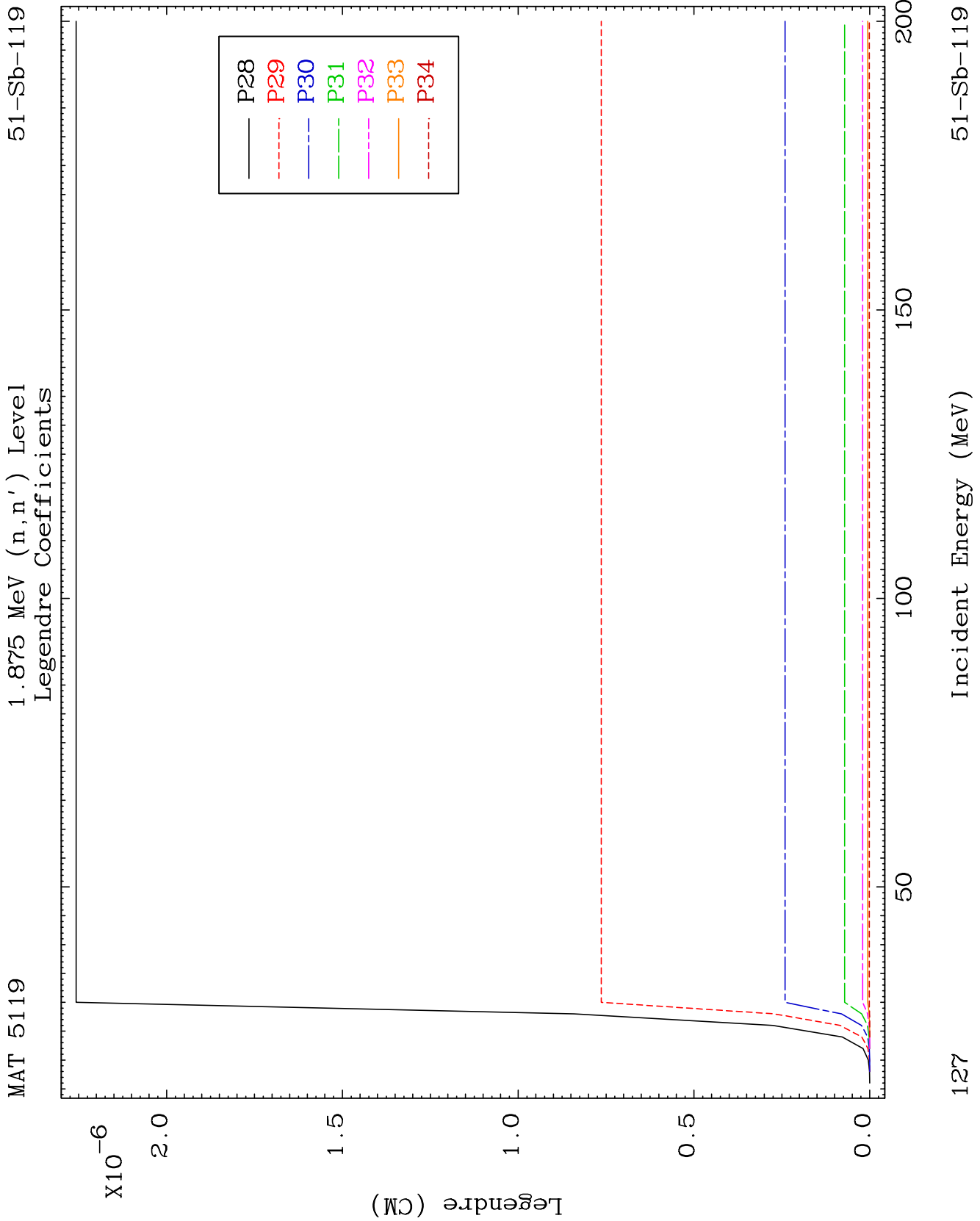




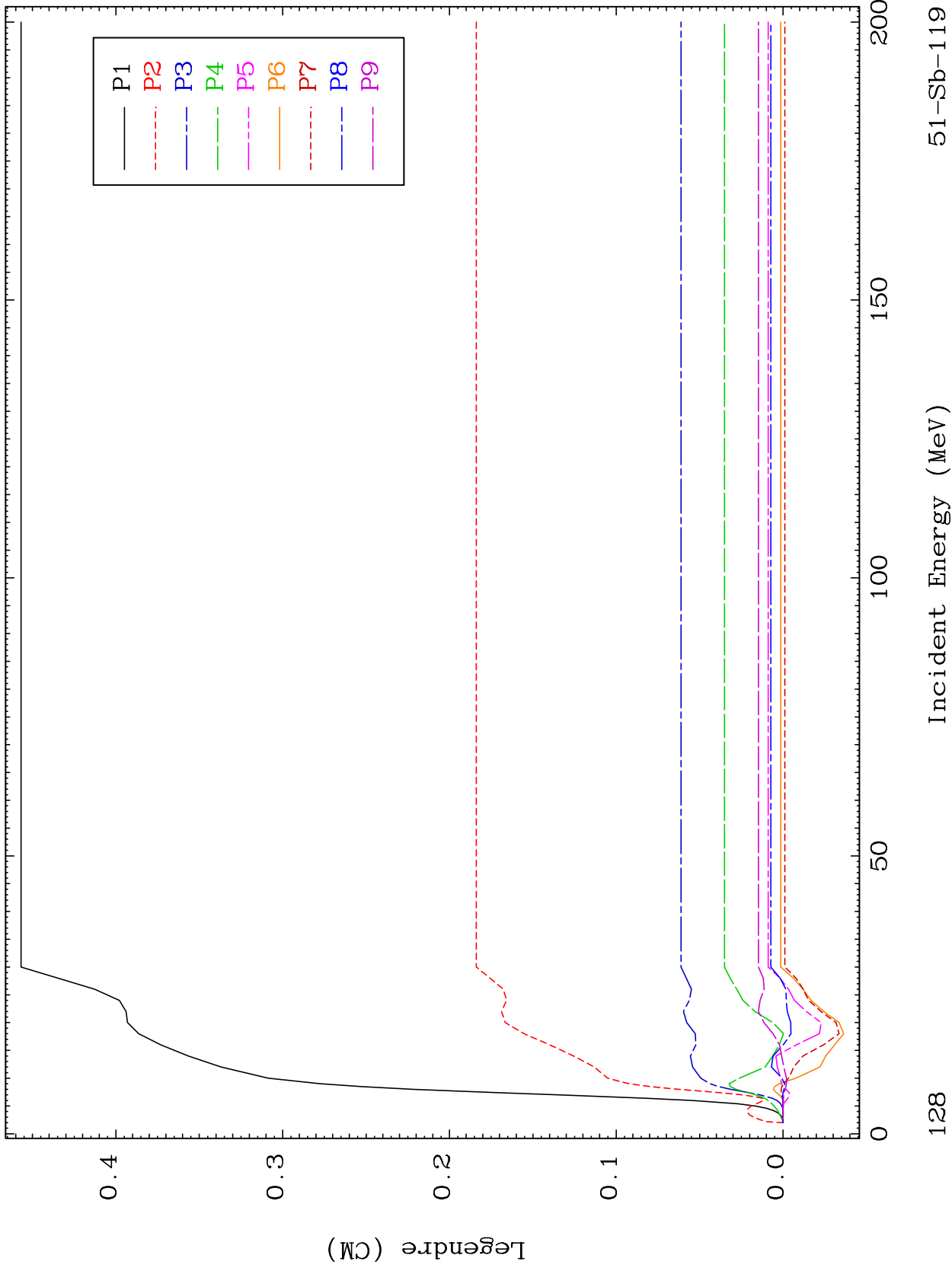








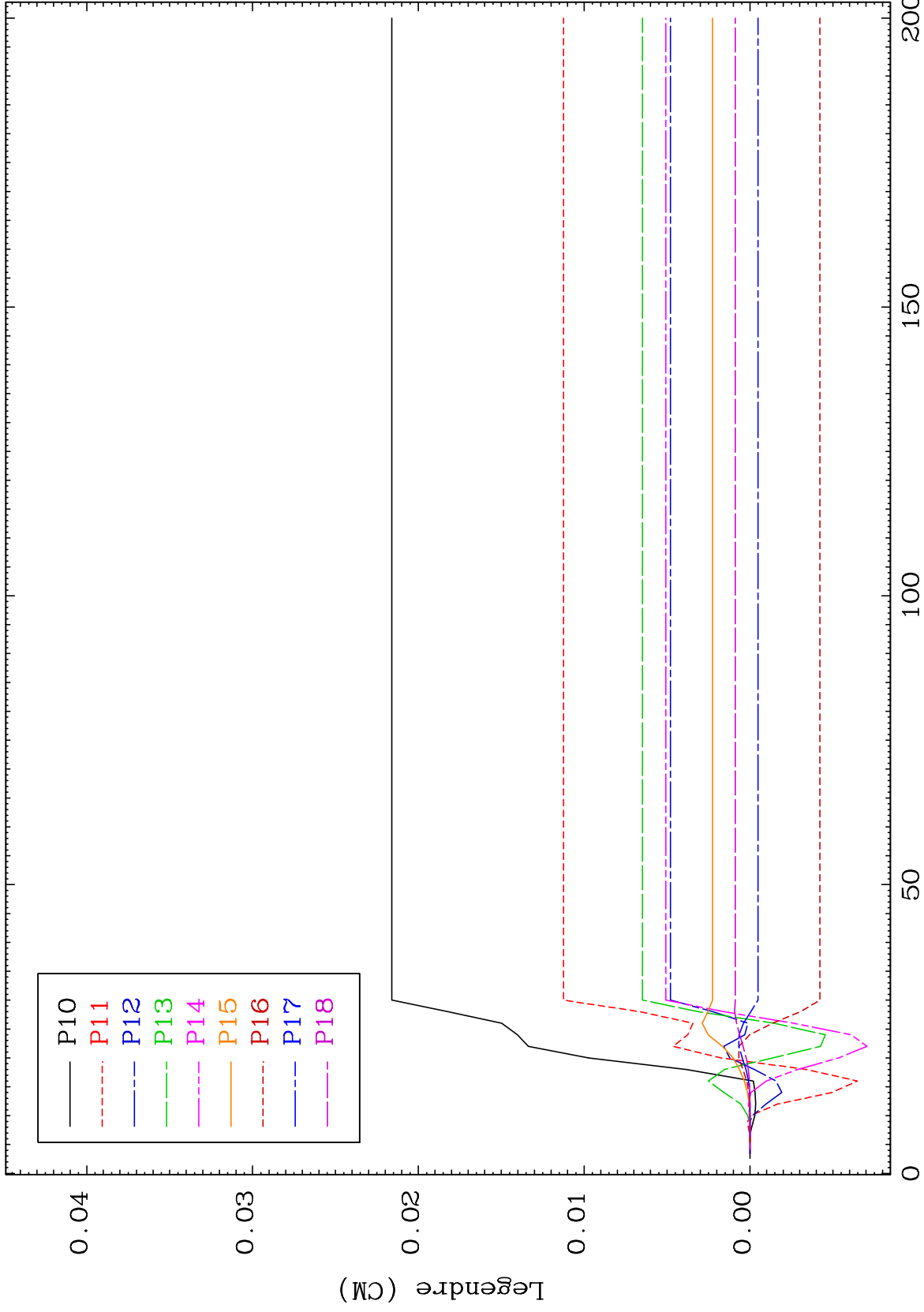




MAT 5119

1.970 MeV (n,n') Level  
Legendre Coefficients

51-Sb-119



129

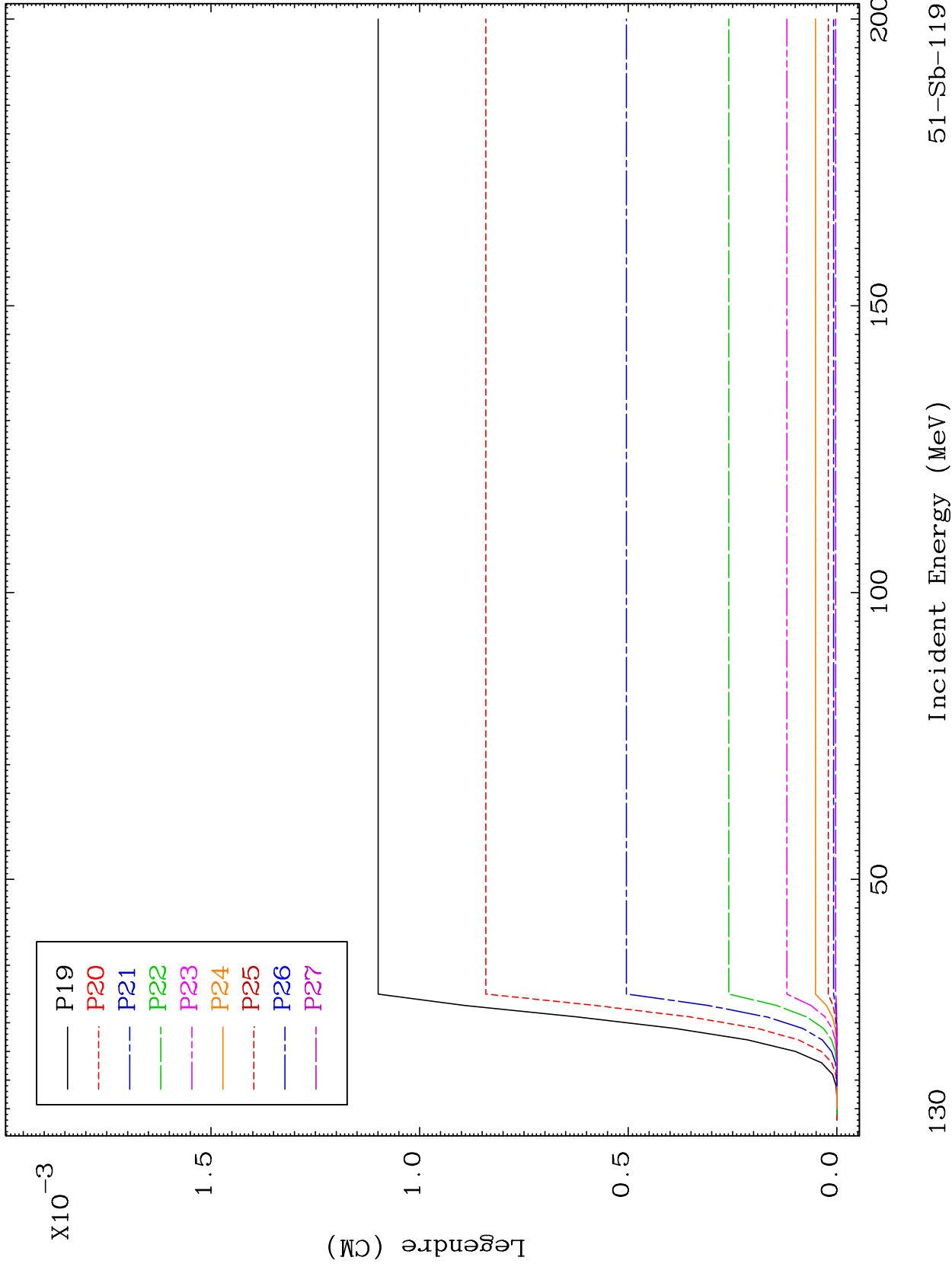
Incident Energy (MeV)

51-Sb-119

MAT 5119

1.970 MeV (n,n') Level  
Legendre Coefficients

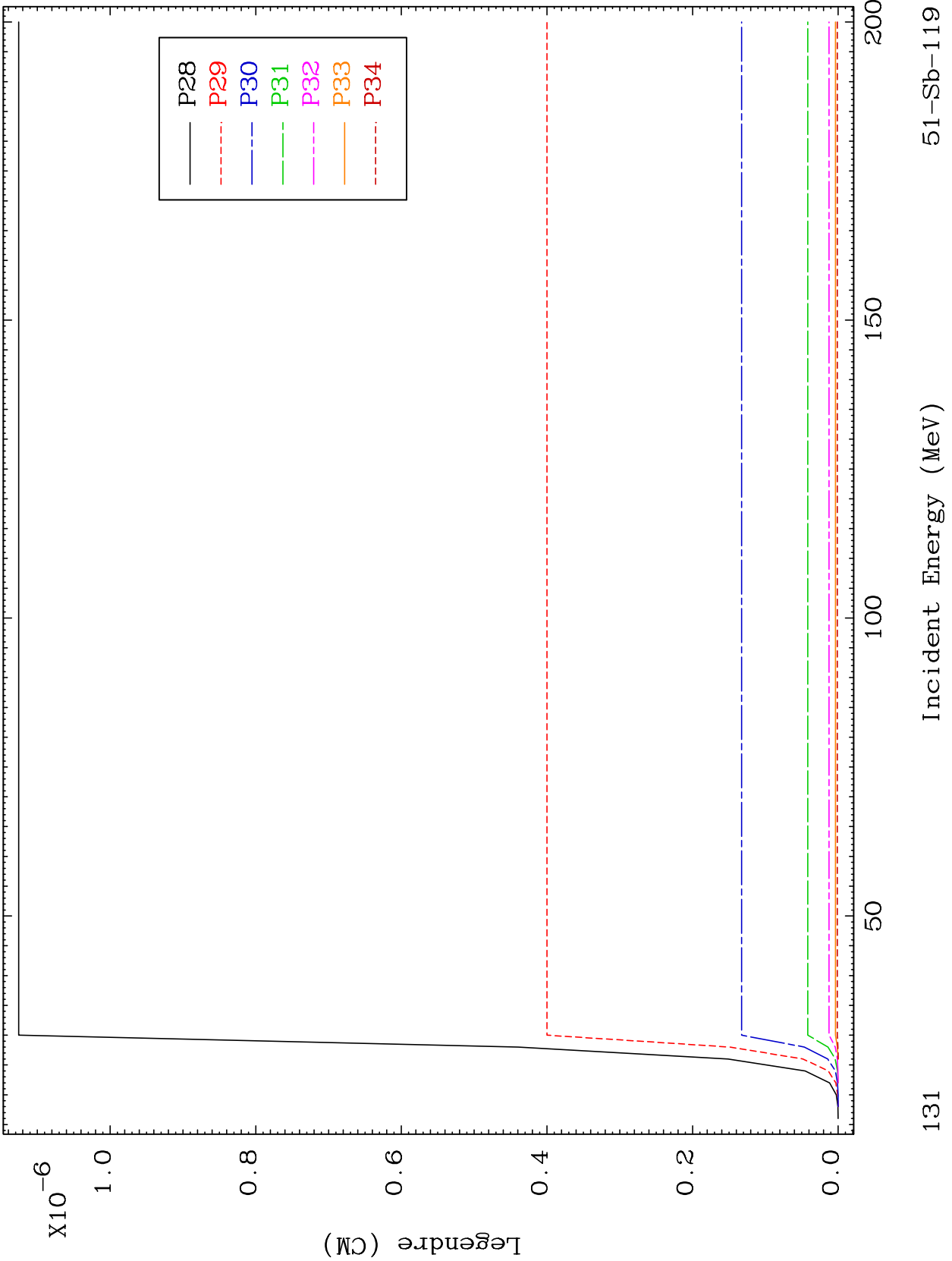
51-Sb-119



MAT 5119

1.970 MeV (n,n') Level  
Legendre Coefficients

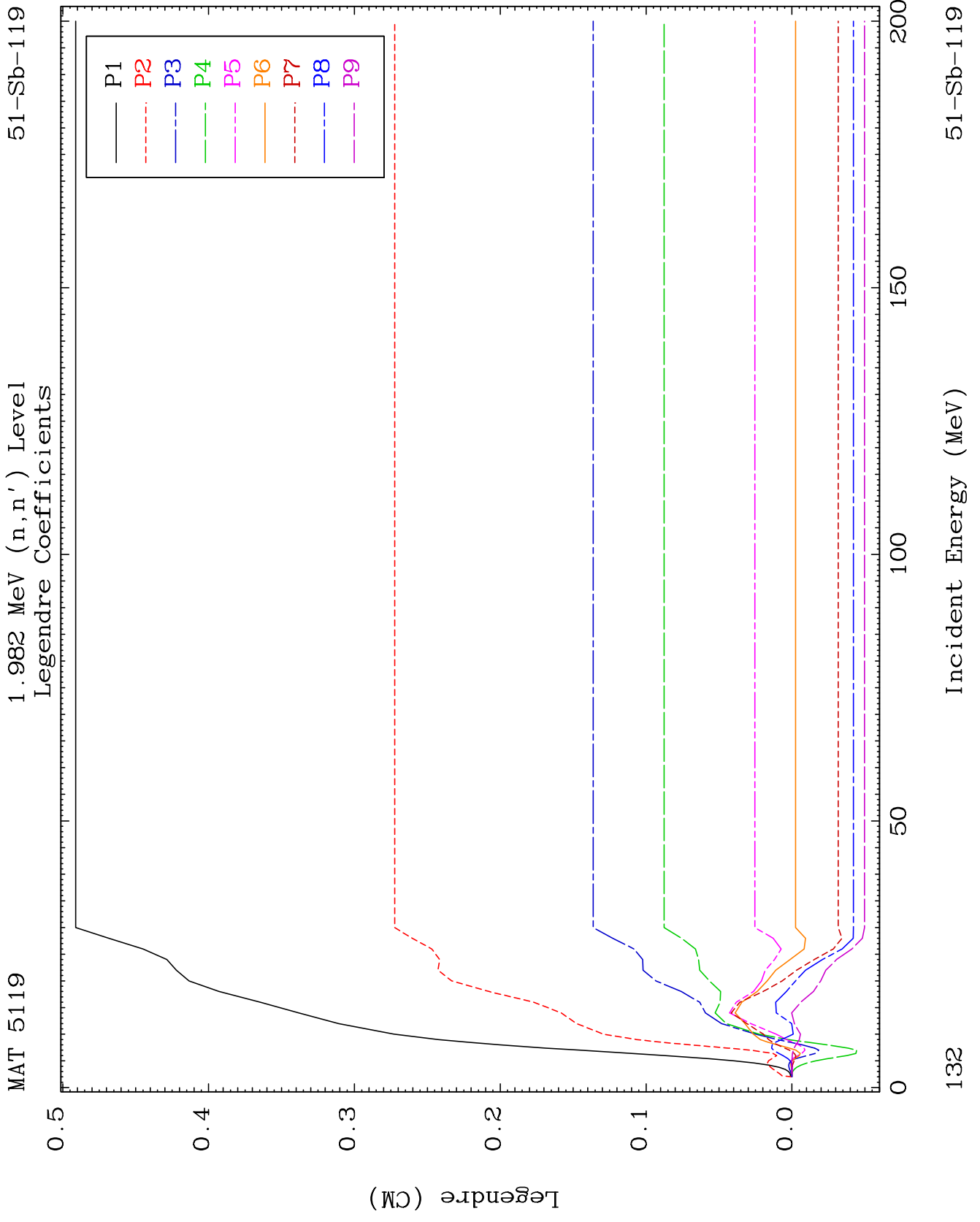
51-Sb-119



51-Sb-119

Incident Energy (MeV)

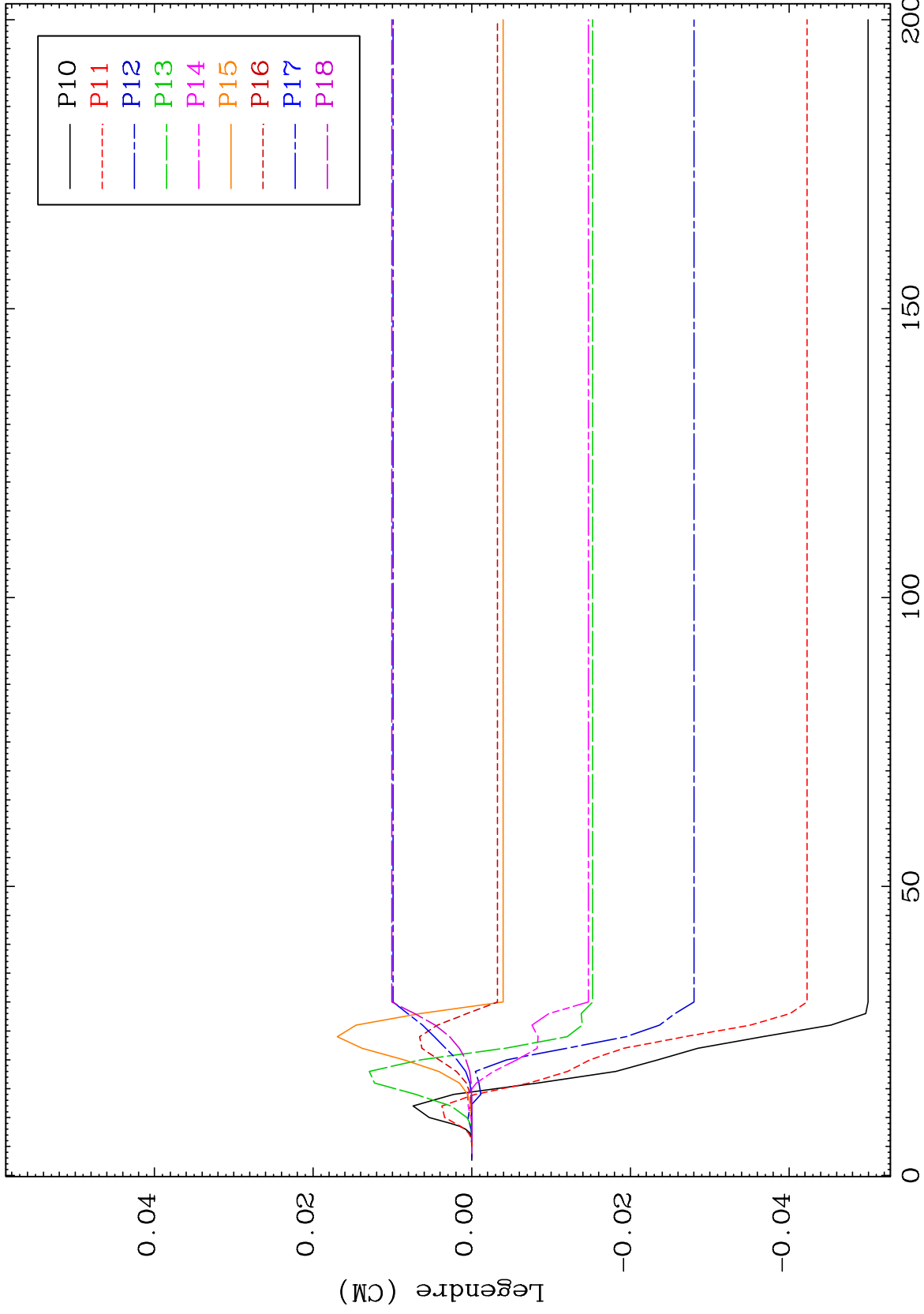
131



MAT 5119

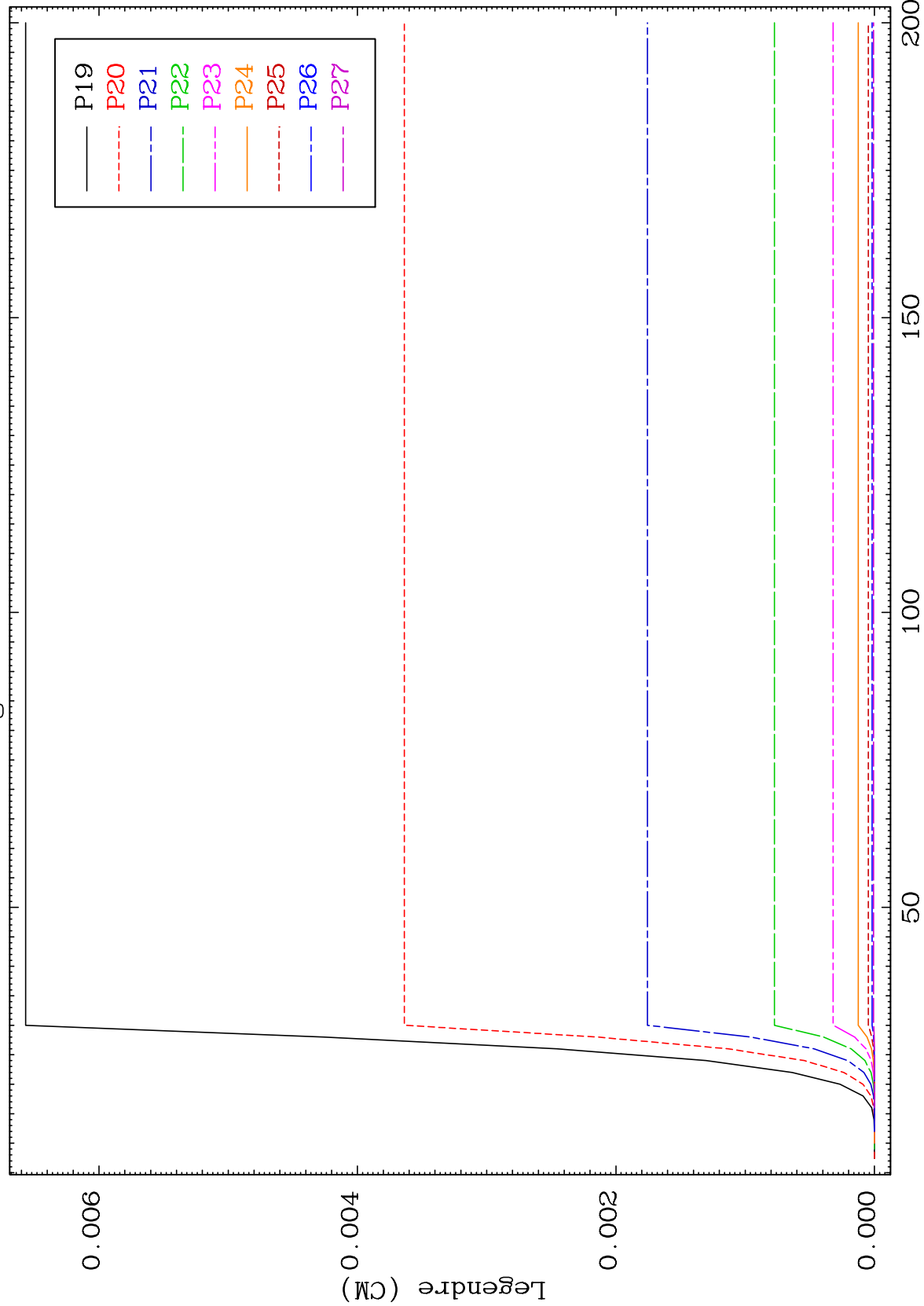
1.982 MeV (n,n') Level  
Legendre Coefficients

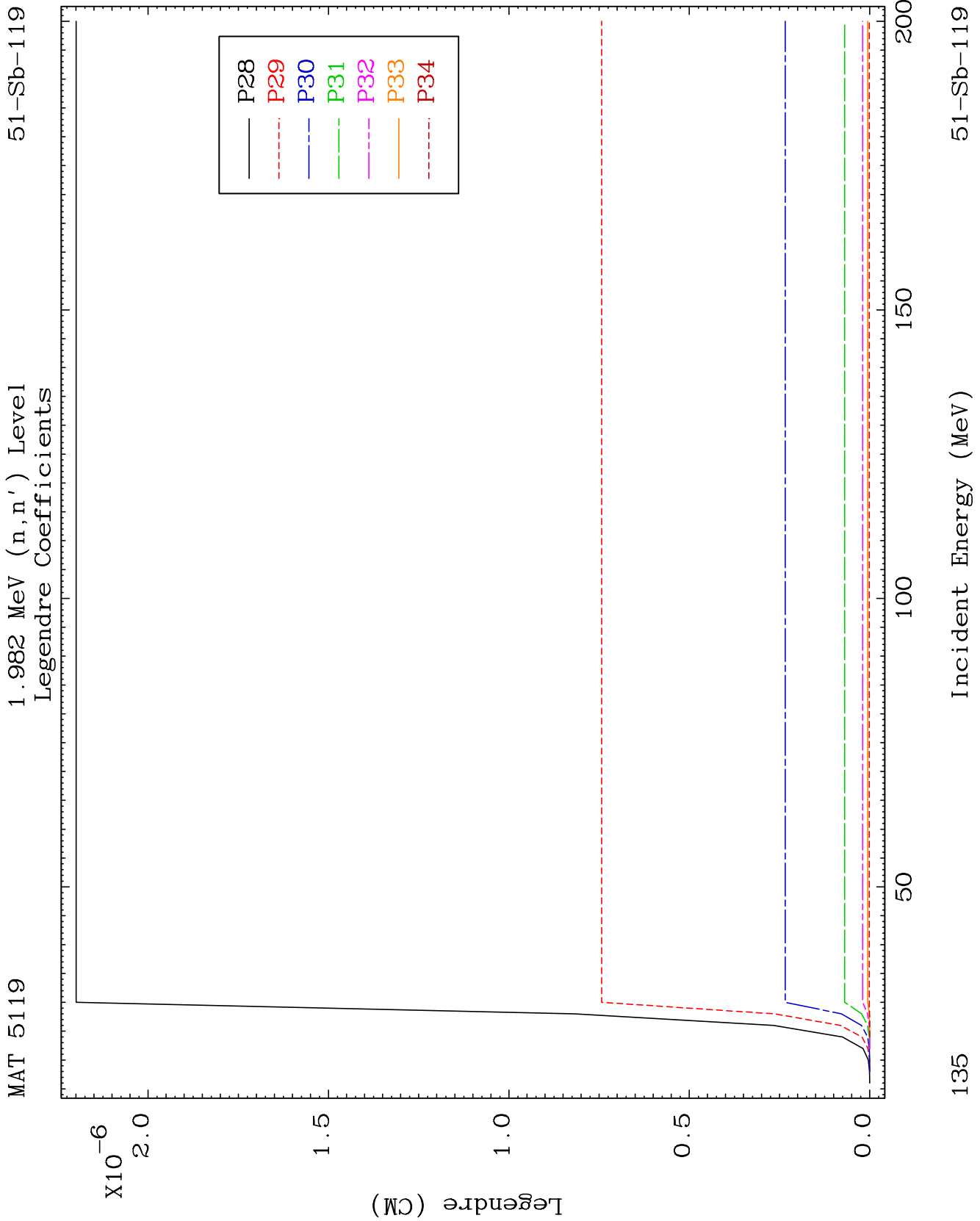
51-Sb-119



133

51-Sb-119



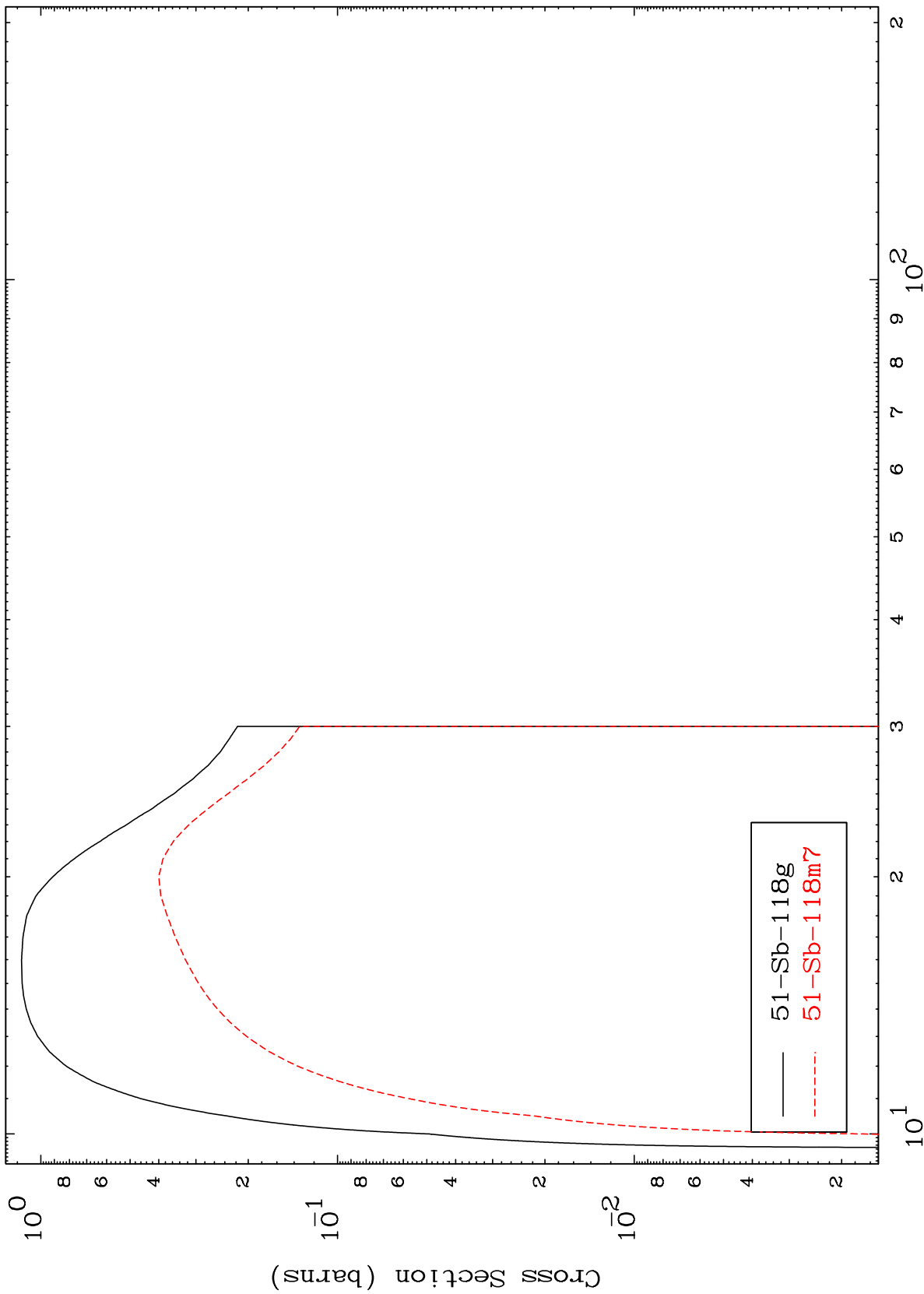




MAT 5119

51-Sb-119

(n,2n)  
Radionuclide Production Cross Section



51-Sb-119

Incident Energy (MeV)

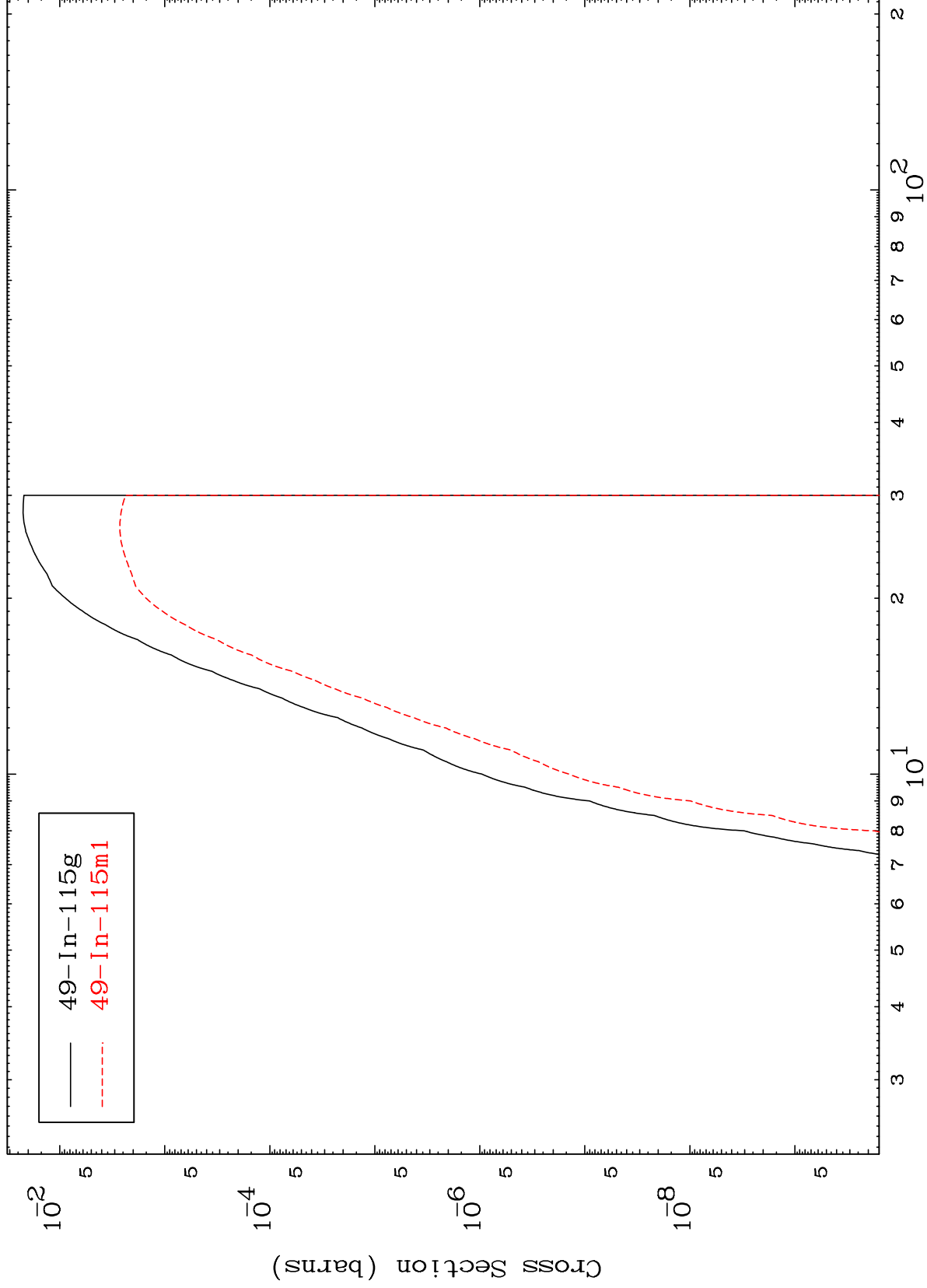
136

MAT 5119

51-Sb-119

(n,n')  $\alpha$

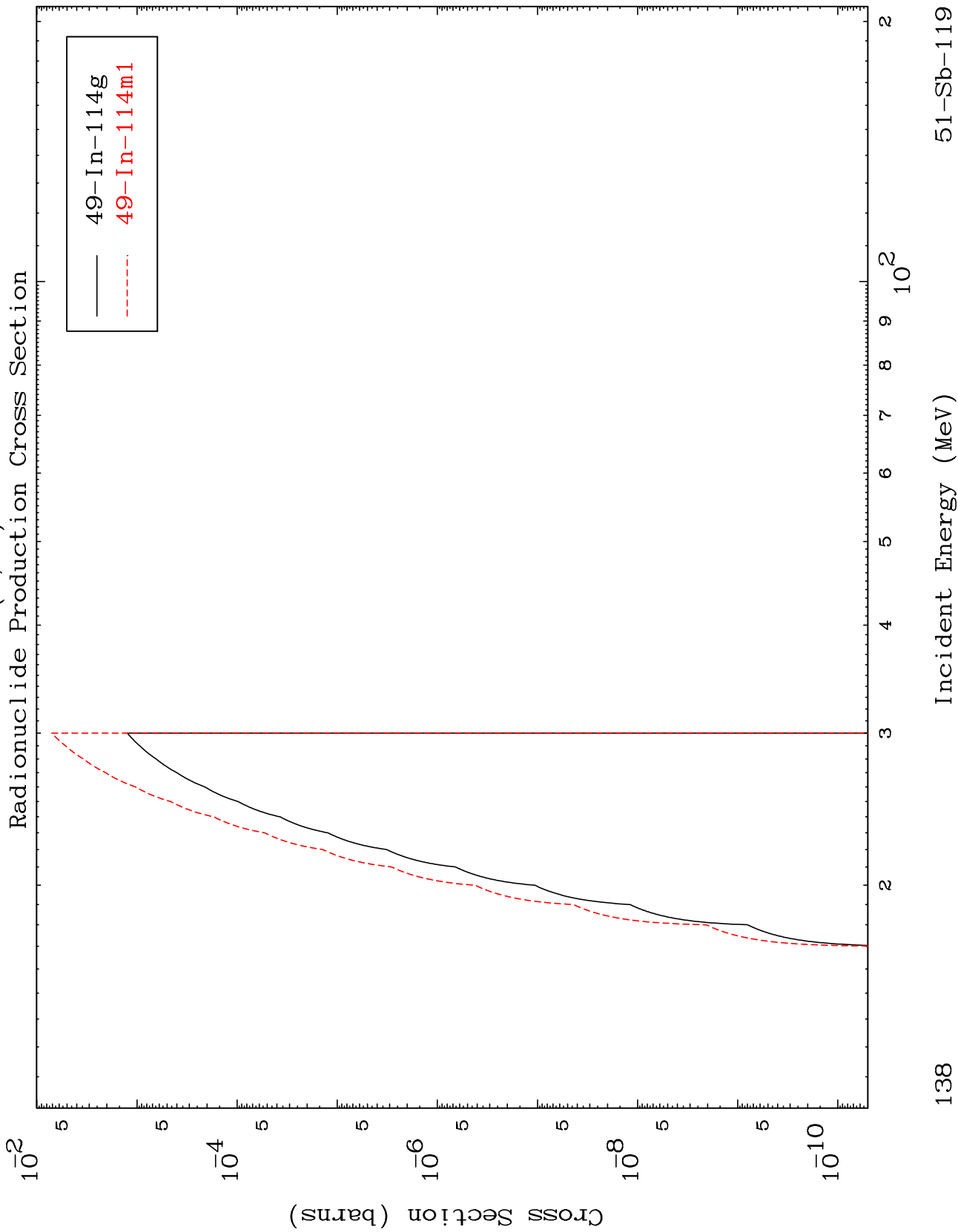
Radionuclide Production Cross Section



137

Incident Energy (MeV)

51-Sb-119

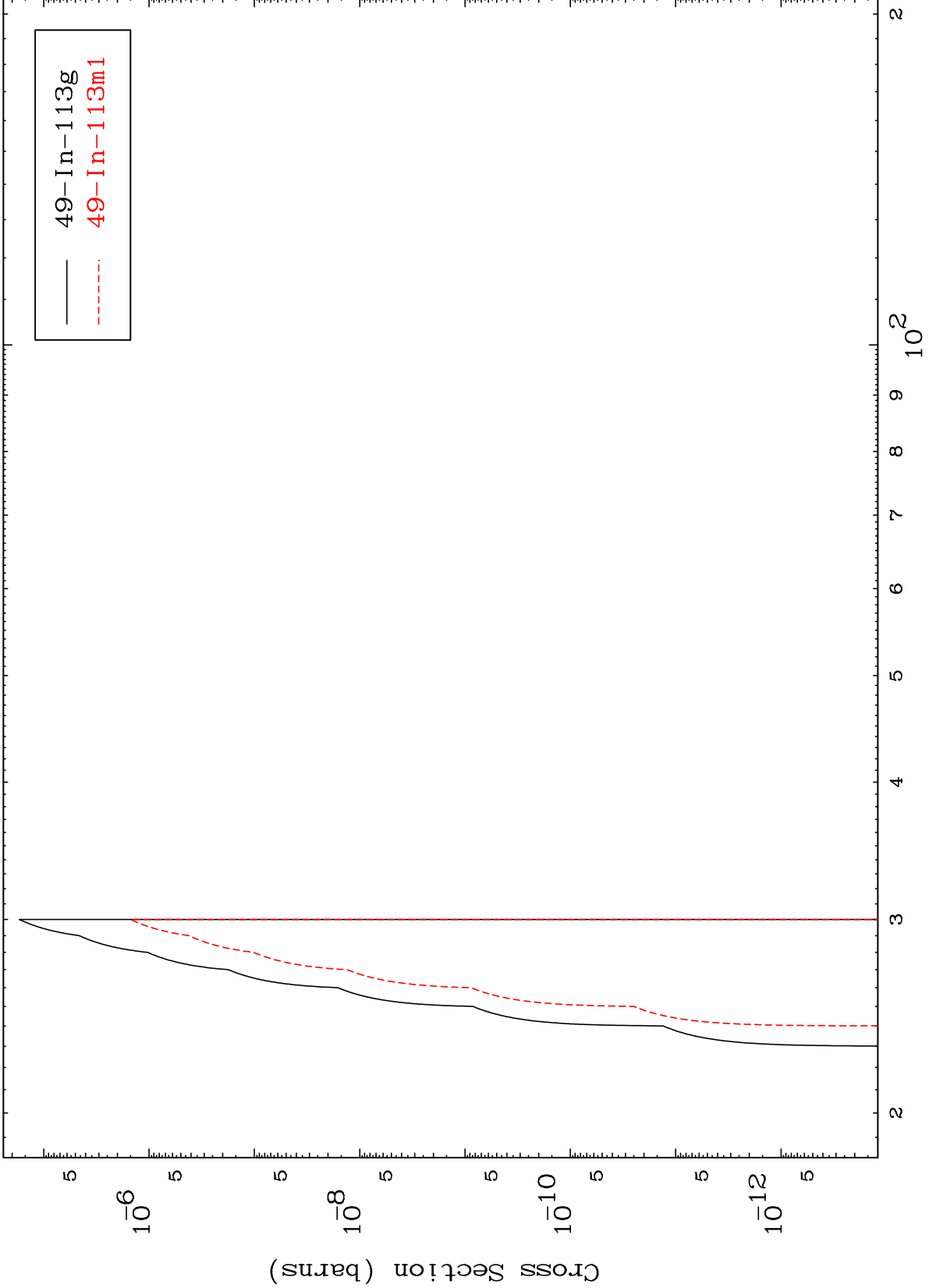


MAT 5119

(n,3n)  $\alpha$

51-Sb-119

Radionuclide Production Cross Section



49-In-113g  
49-In-113m1

139

Incident Energy (MeV)

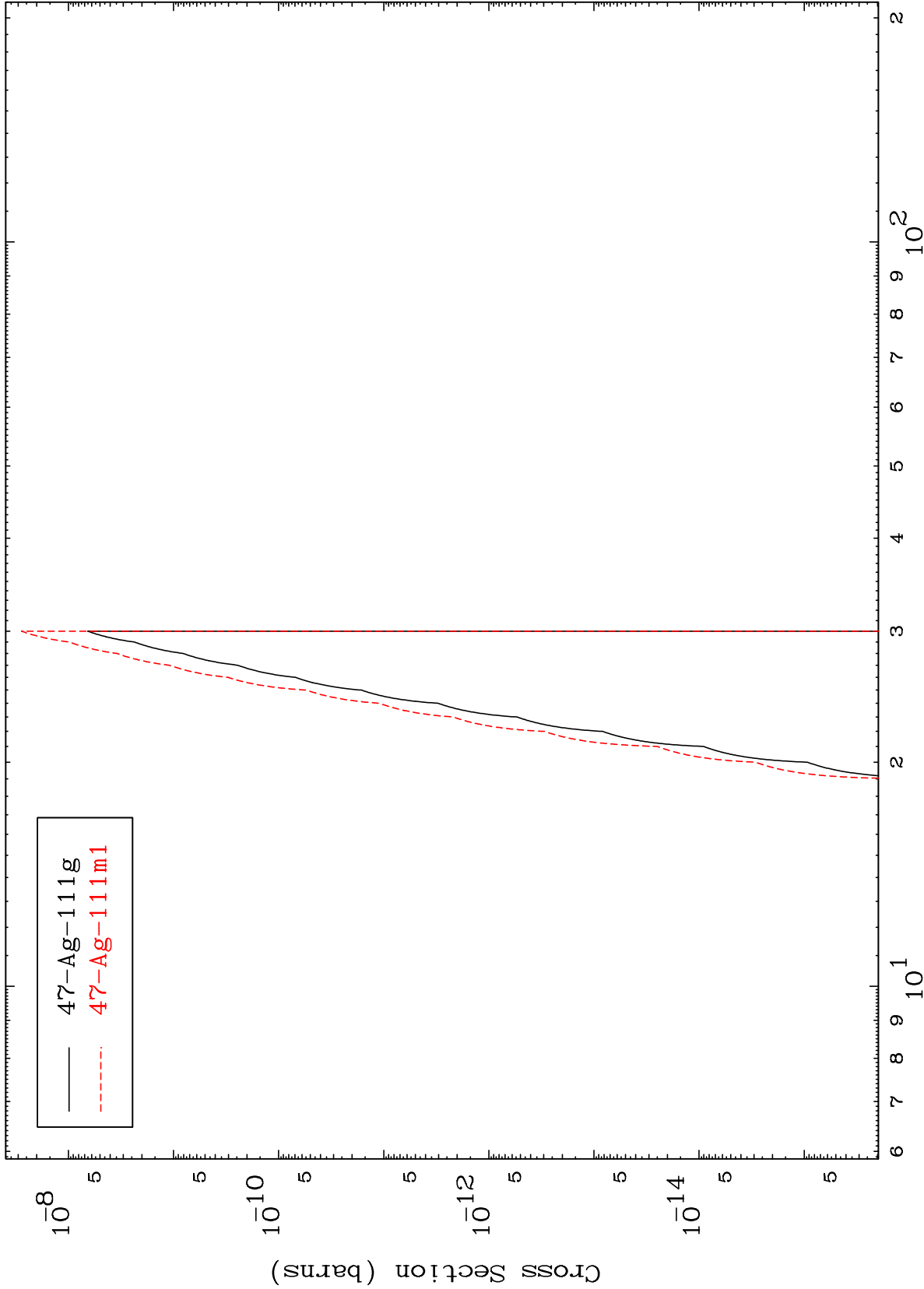
51-Sb-119

MAT 5119

(n,n') 2α

51-Sb-119

Radionuclide Production Cross Section



— 47-Ag-111g  
- - - 47-Ag-111m1

140

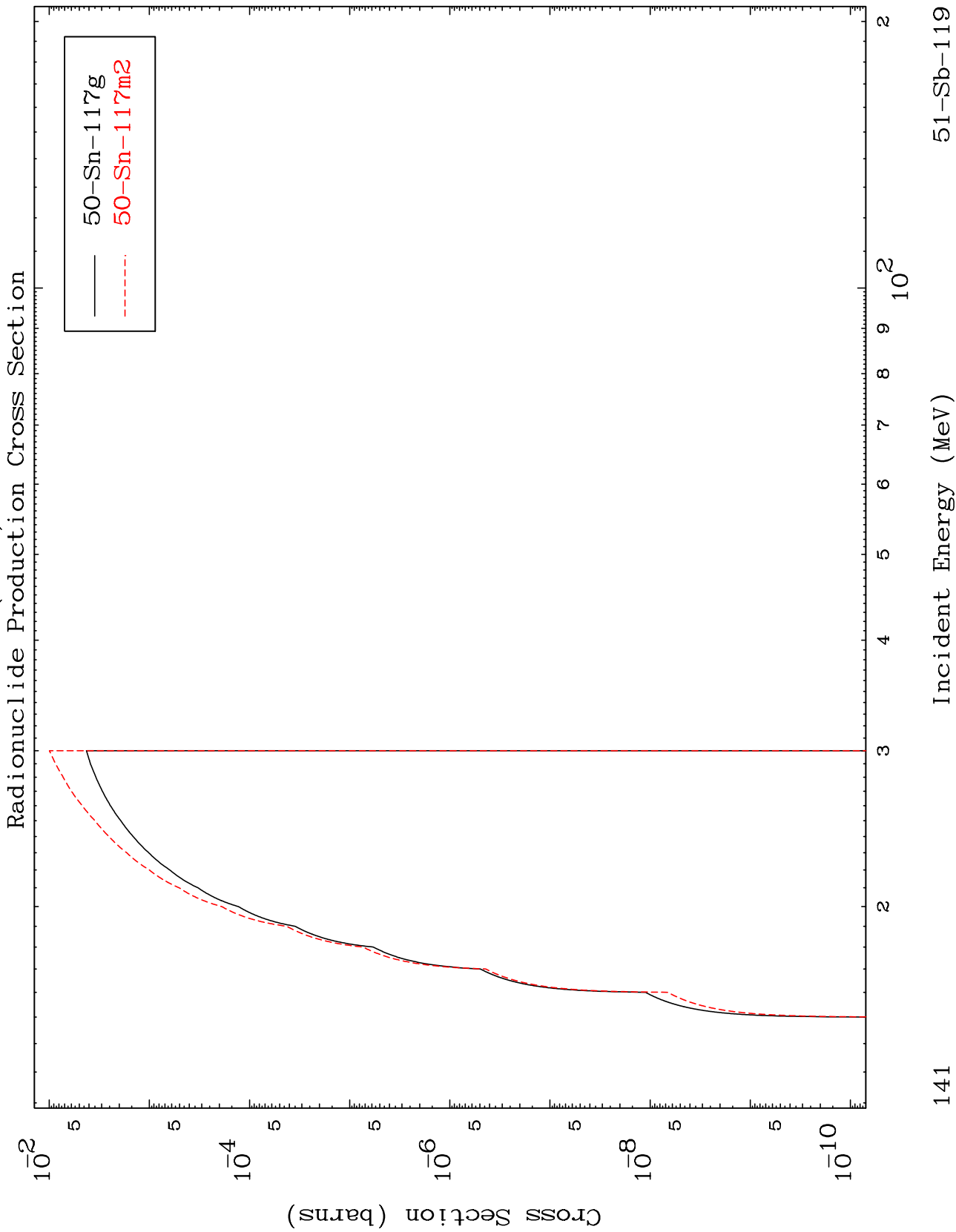
Incident Energy (MeV)

51-Sb-119

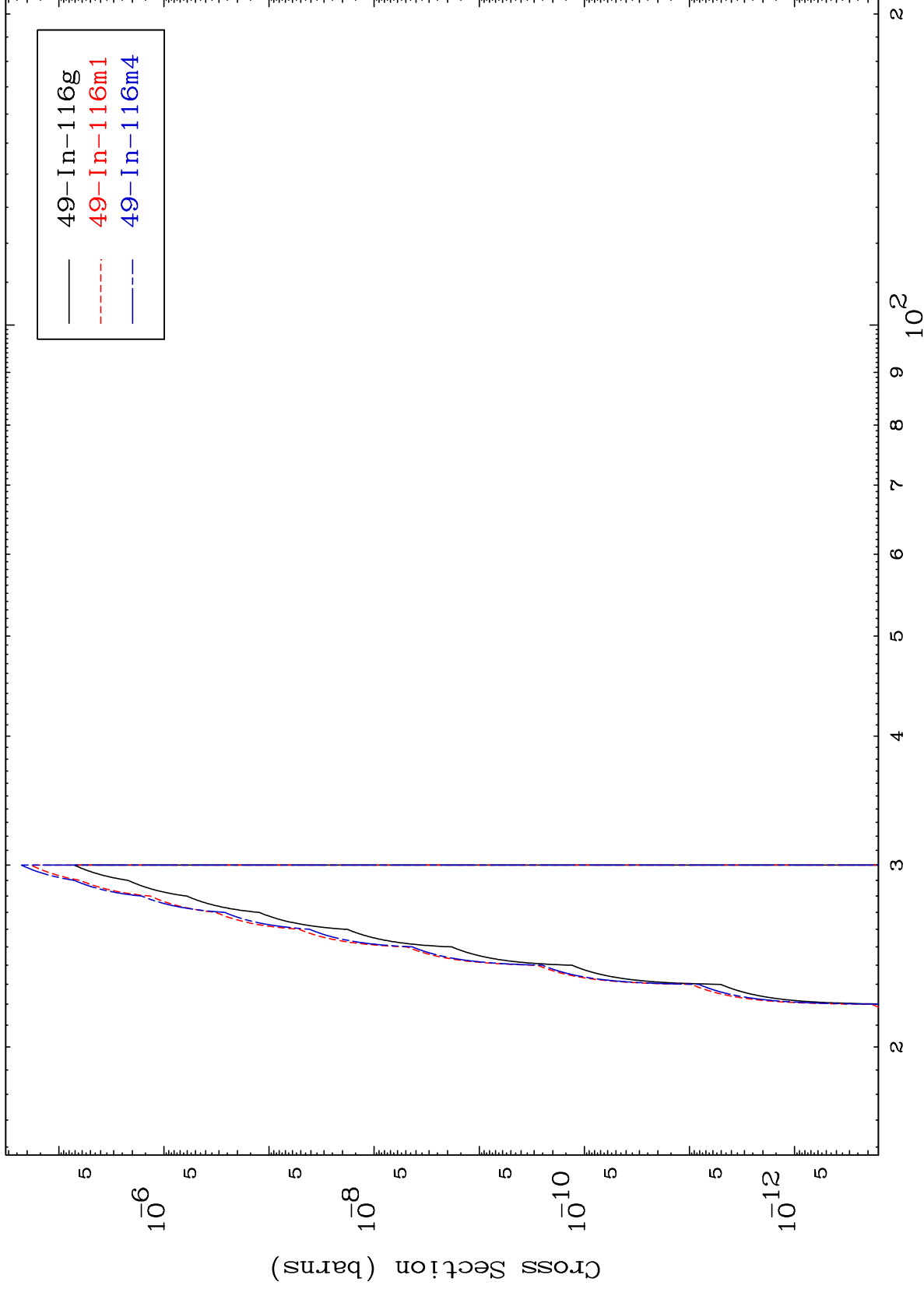
MAT 5119

(n,n') d

51-Sb-119



Radionuclide Production Cross Section

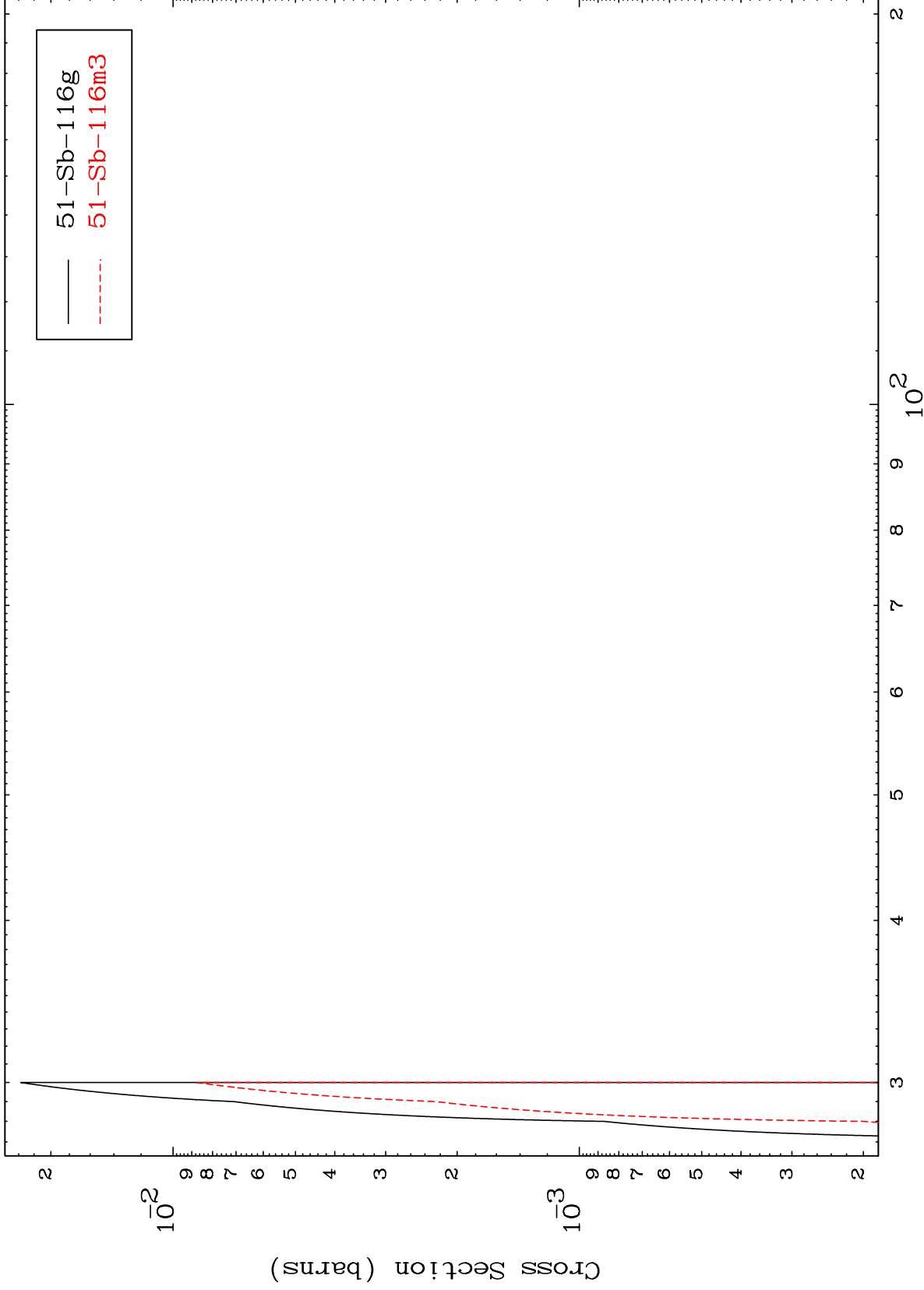


MAT 5119

(n,4n)

51-Sb-119

Radionuclide Production Cross Section



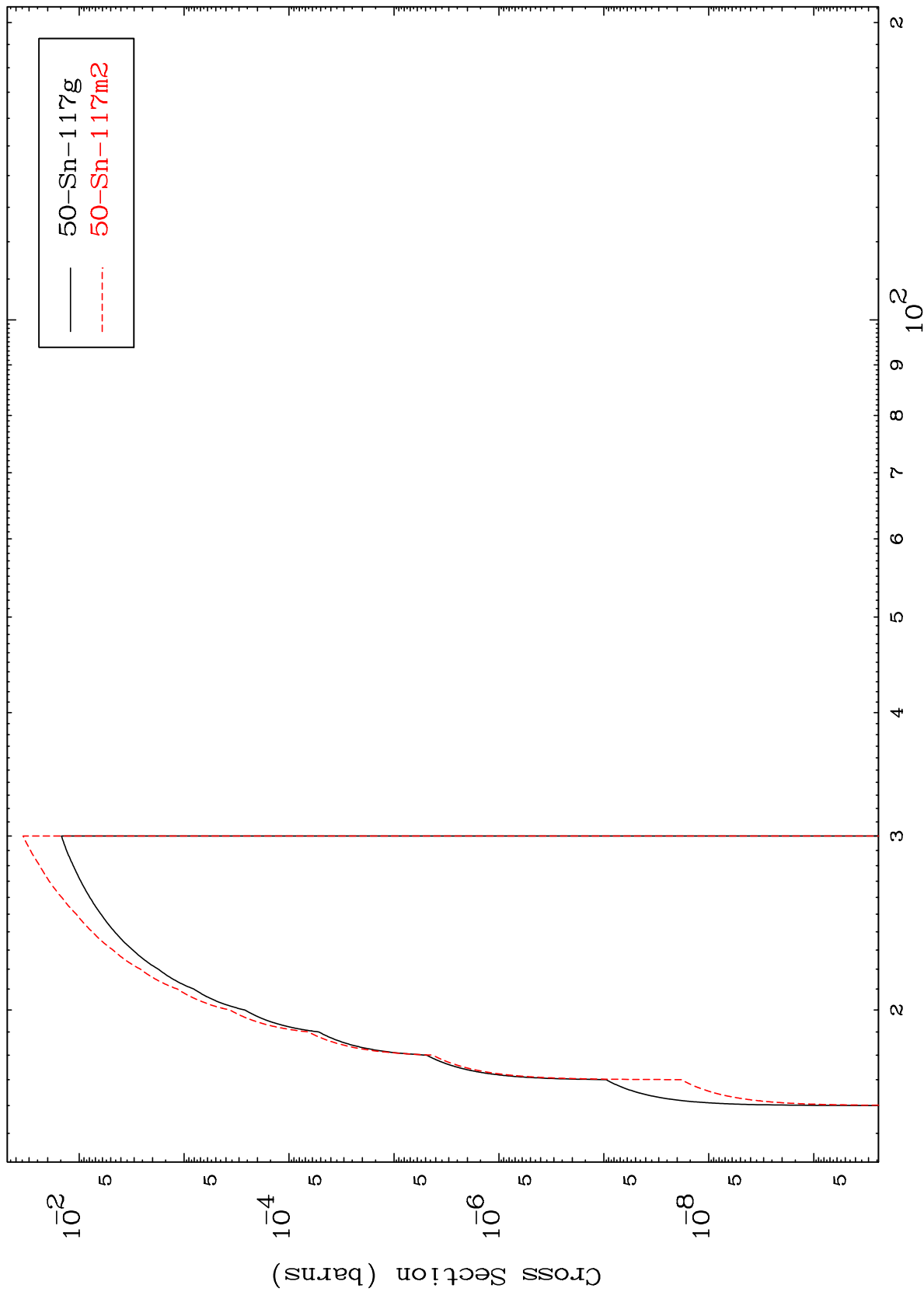
143

Incident Energy (MeV)

51-Sb-119



Radionuclide Production Cross Section

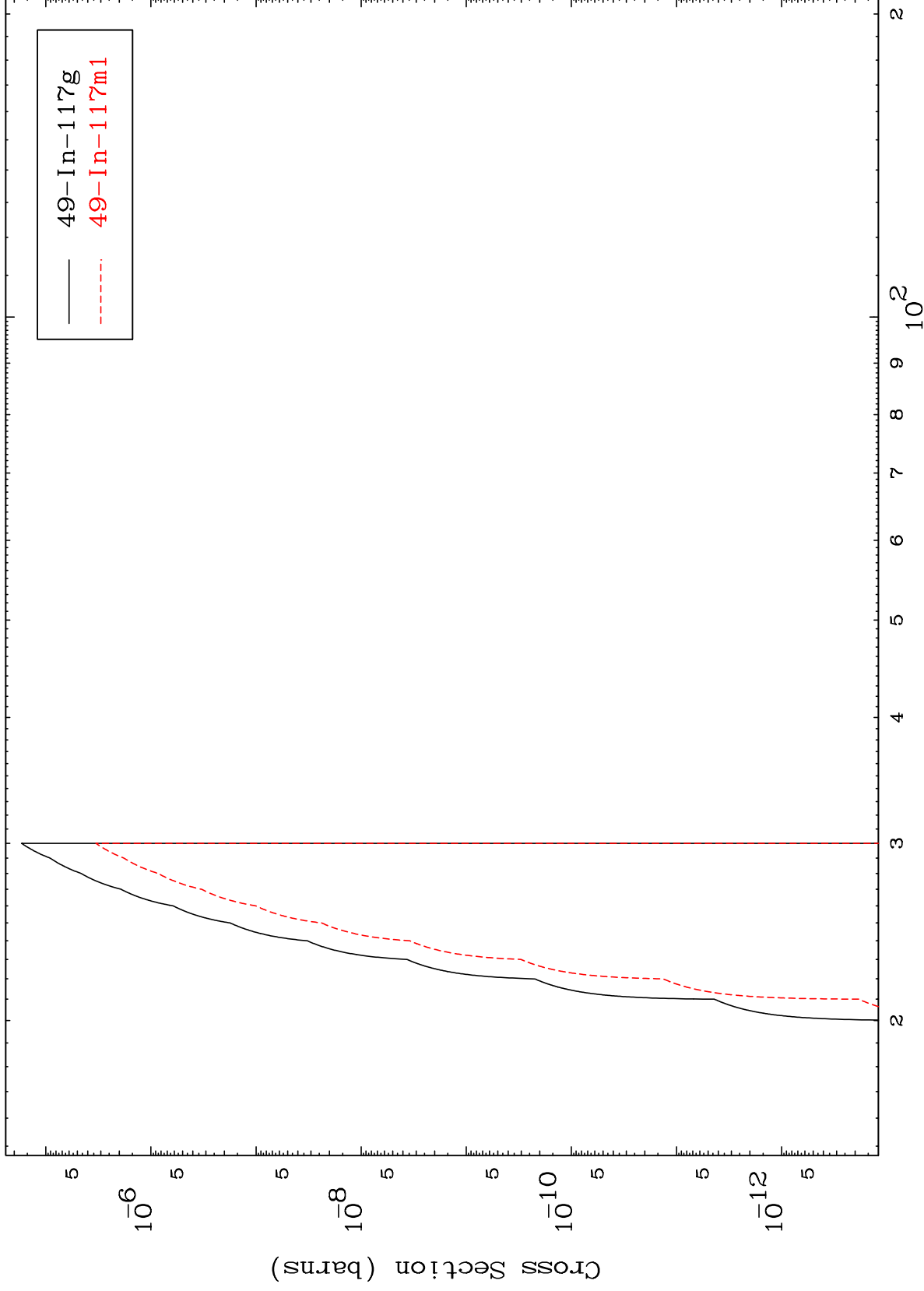


MAT 5119

(n,2n) p

51-Sb-119

Radionuclide Production Cross Section

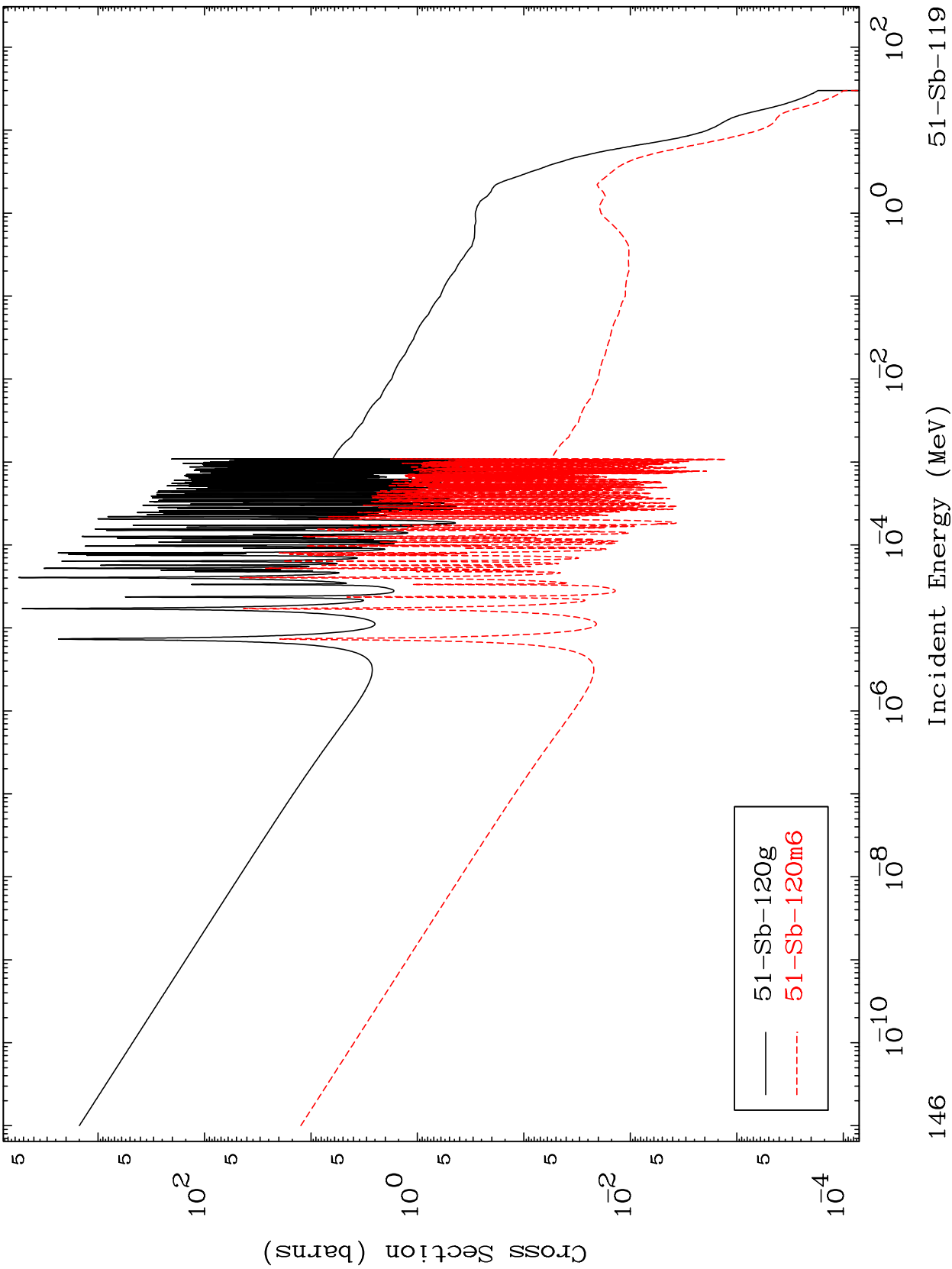


145

Incident Energy (MeV)

51-Sb-119

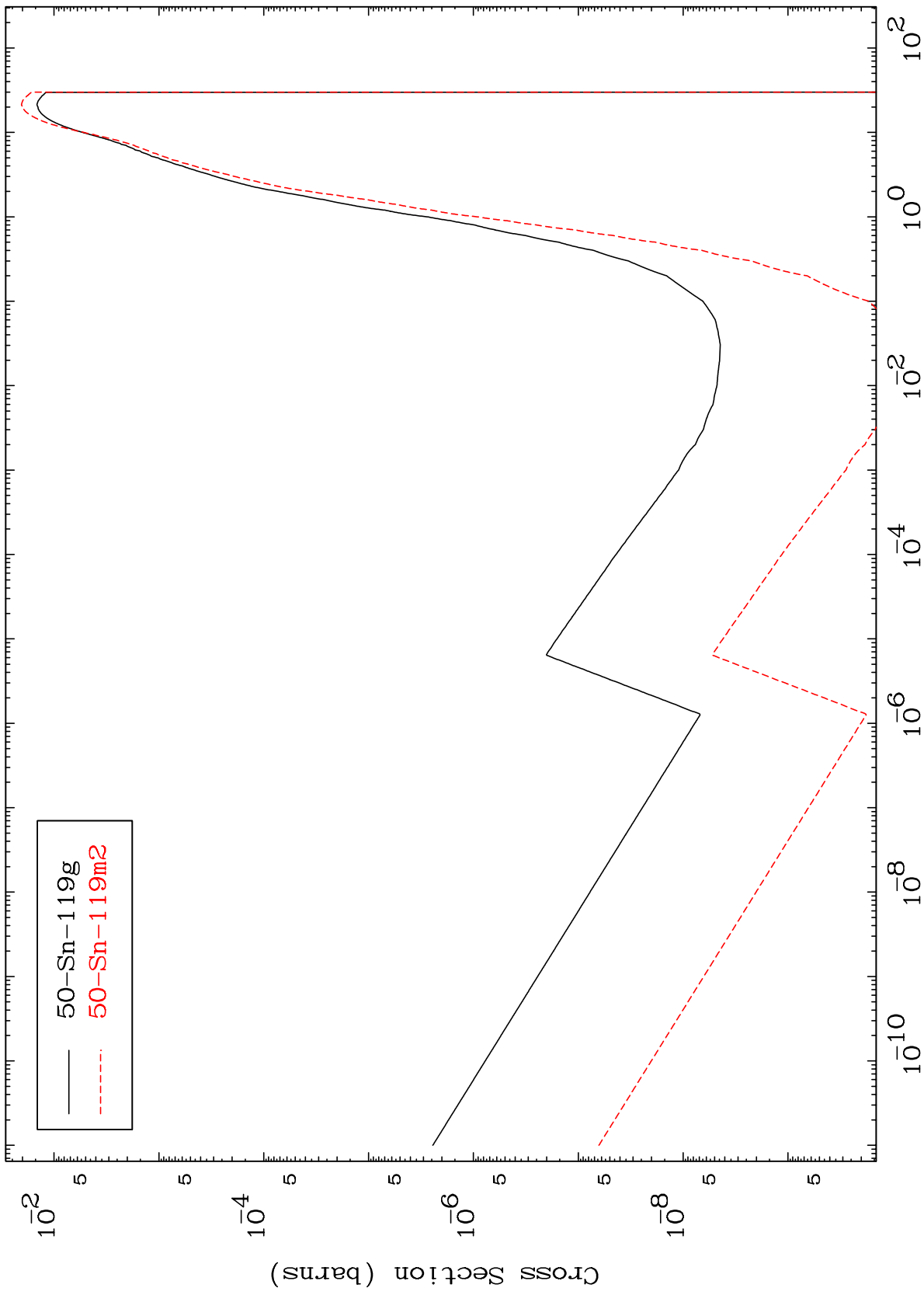
(n,γ)  
Radionuclide Production Cross Section



MAT 5119

51-Sb-119

(n,p)  
Radionuclide Production Cross Section



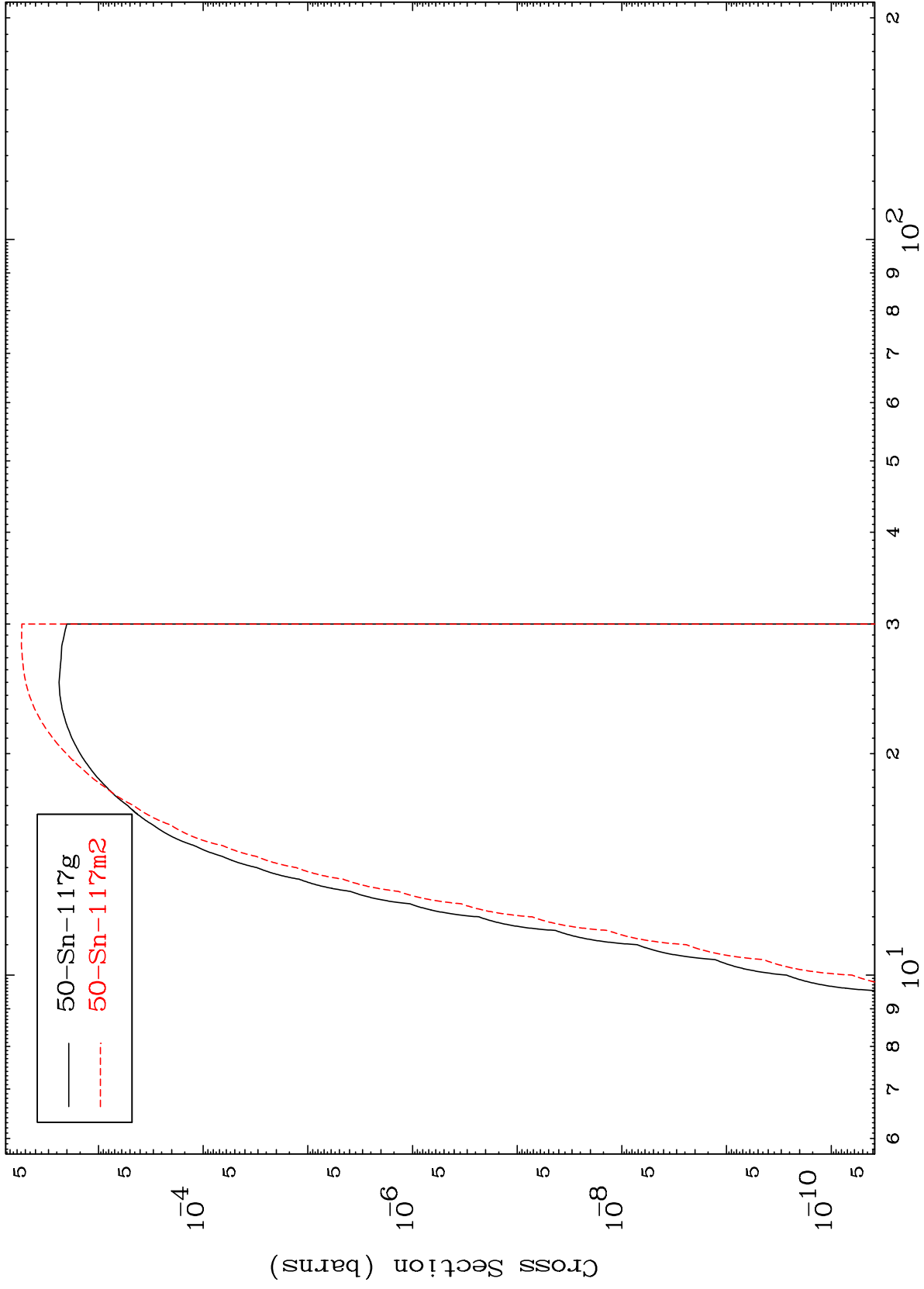
147

51-Sb-119

MAT 5119

51-Sb-119

(n,t)  
Radionuclide Production Cross Section



51-Sb-119

Incident Energy (MeV)

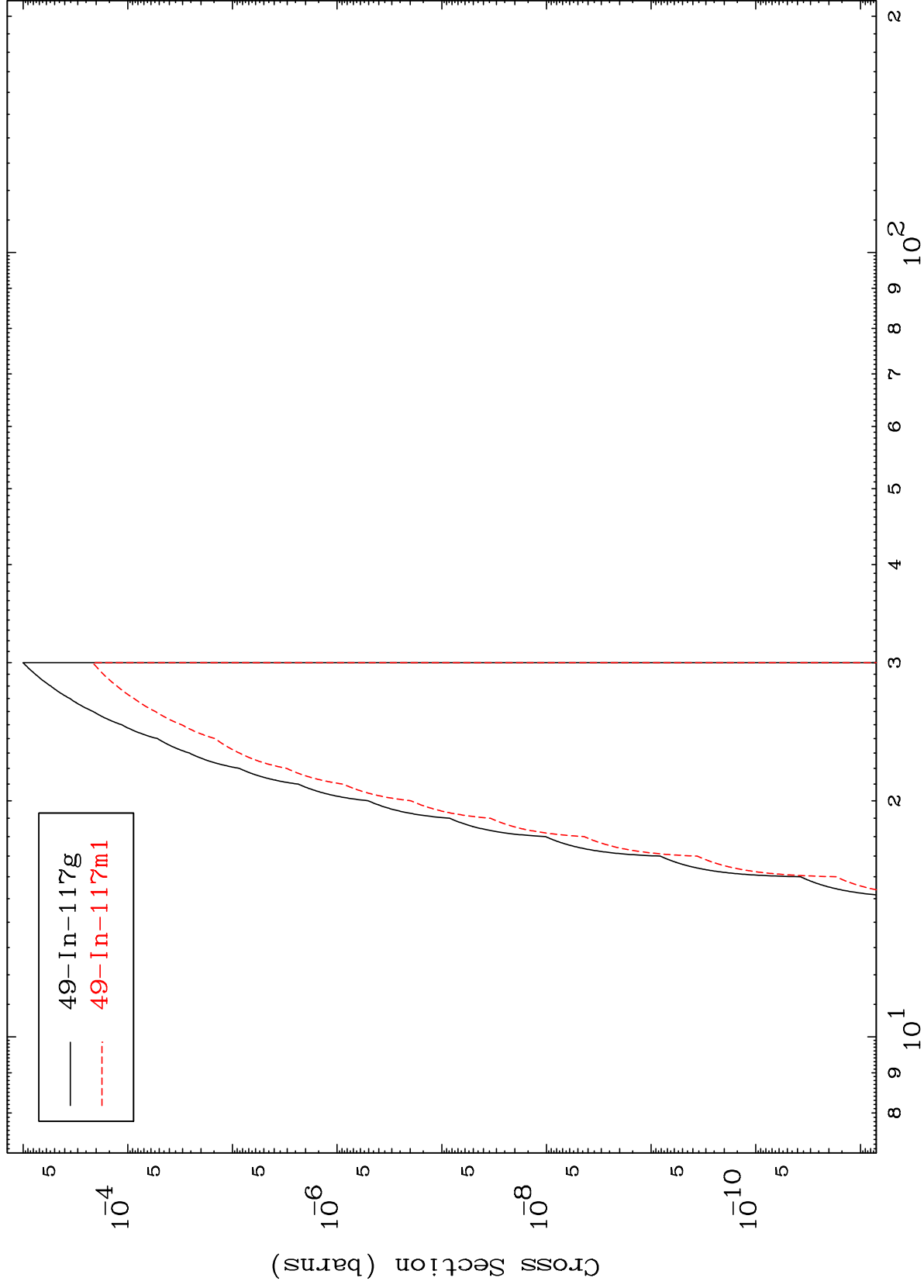
148

MAT 5119

(n,He-3)

51-Sb-119

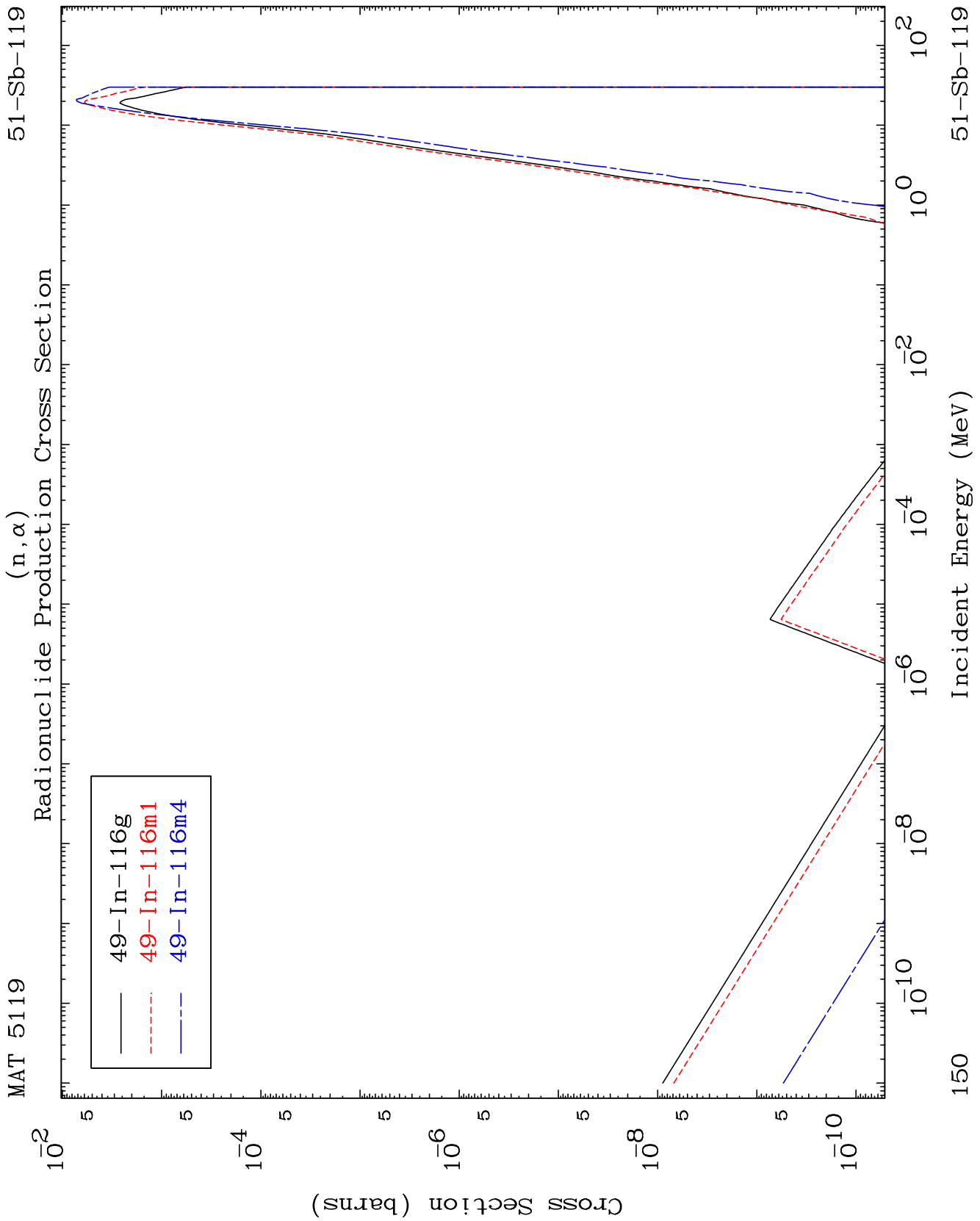
Radionuclide Production Cross Section



149

Incident Energy (MeV)

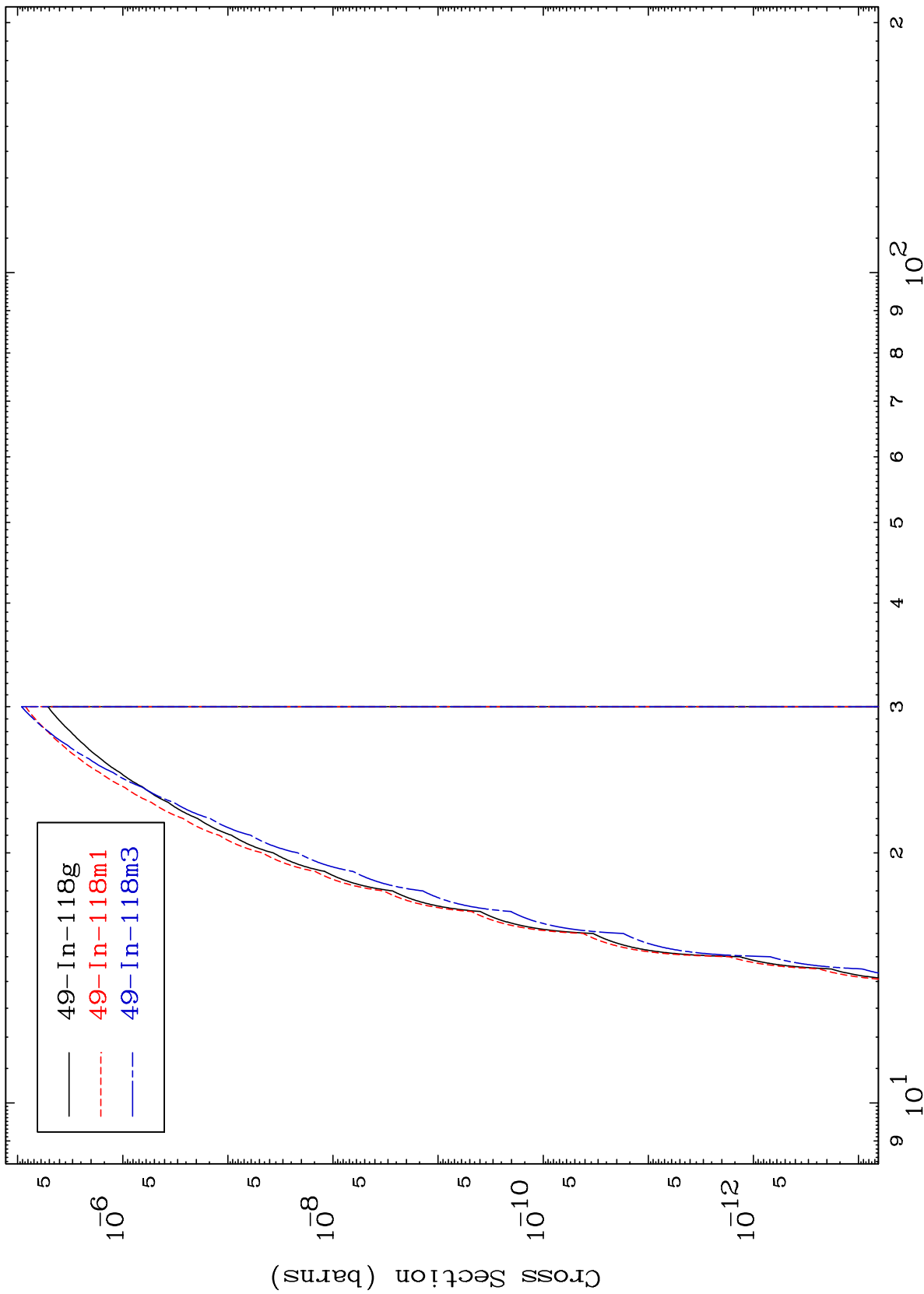
51-Sb-119



MAT 5119

51-Sb-119

(n,2p)  
Radionuclide Production Cross Section



151

Incident Energy (MeV)

51-Sb-119

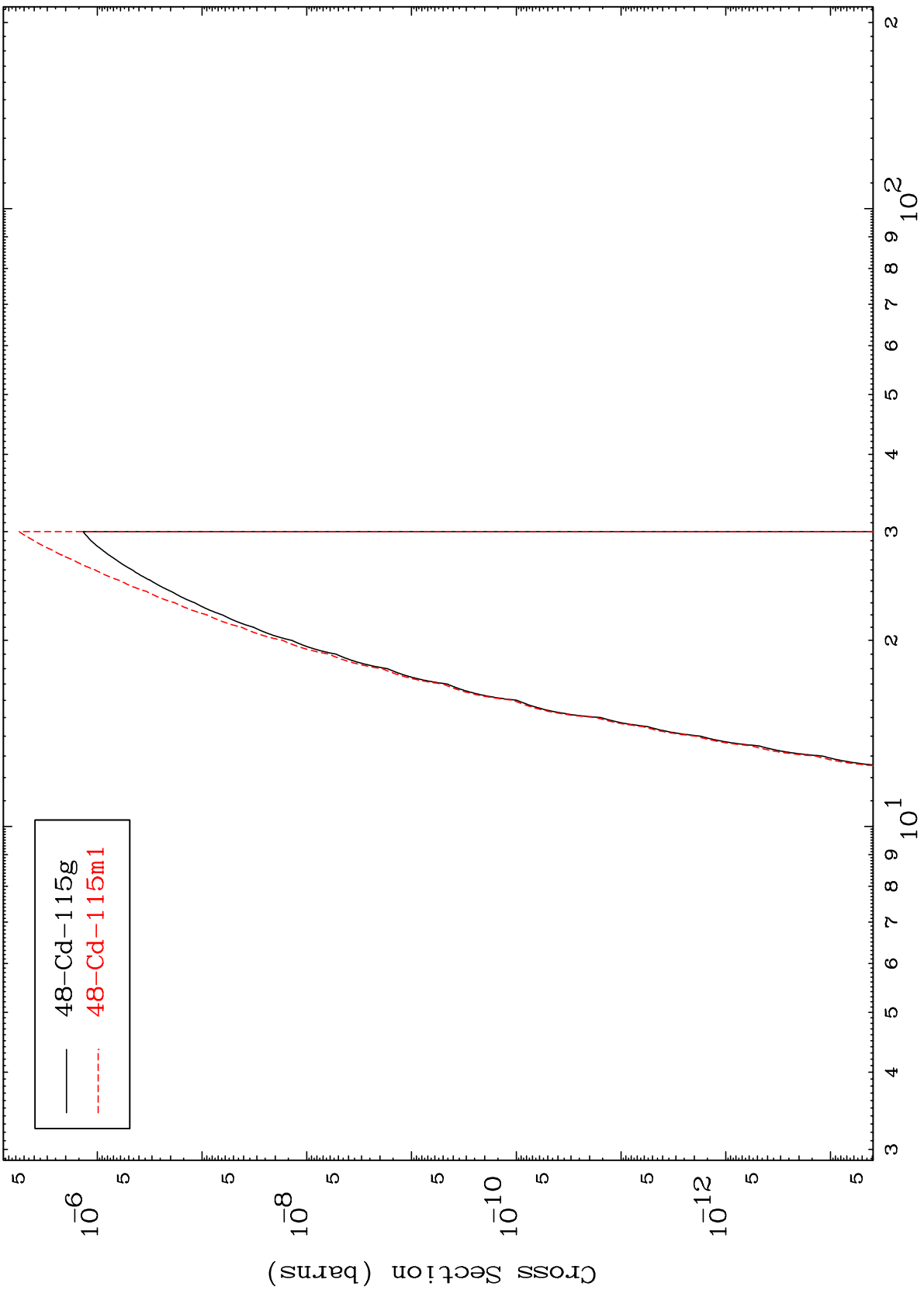


MAT 5119

(n,p)  $\alpha$

51-Sb-119

Radionuclide Production Cross Section

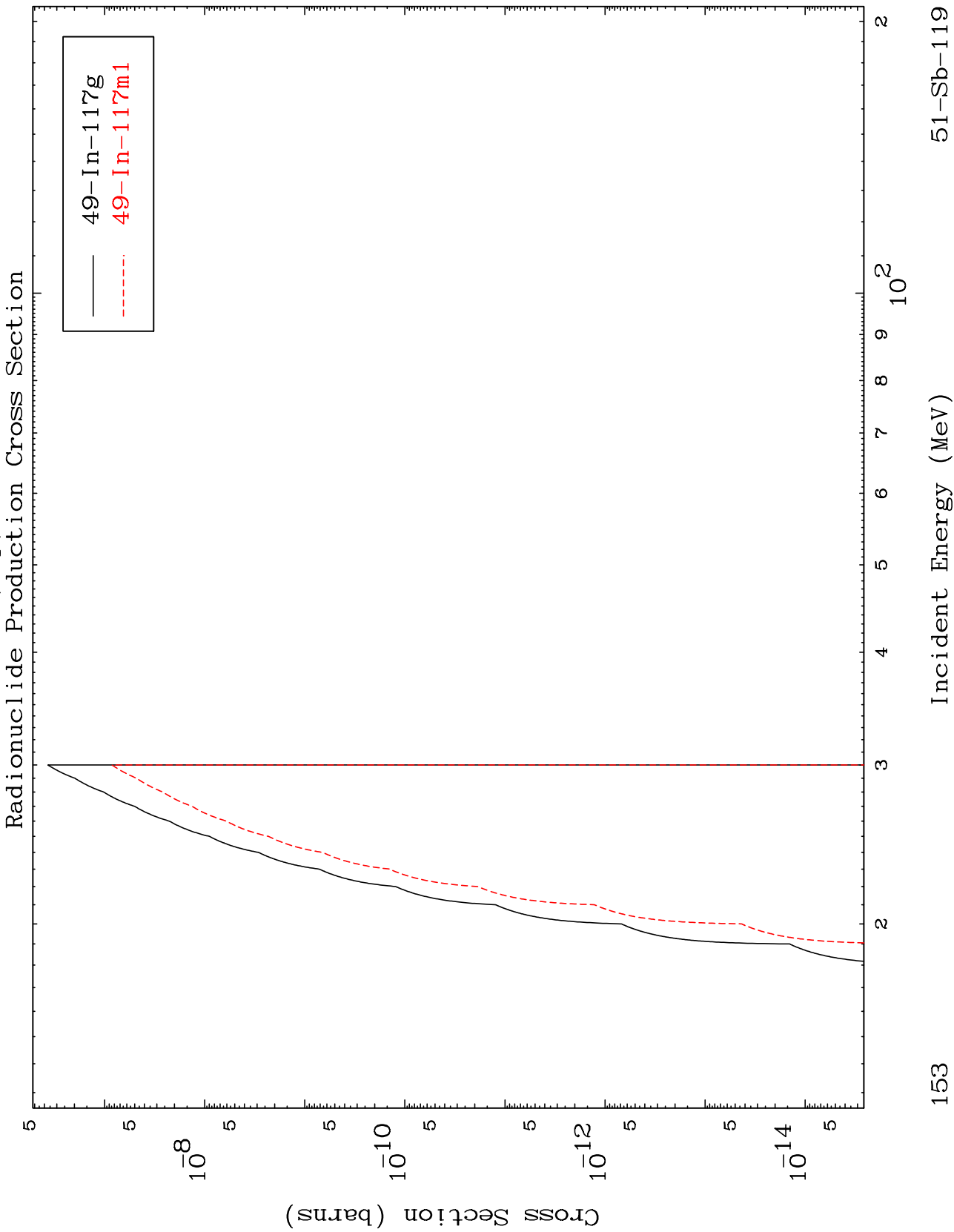


48-Cd-115g  
48-Cd-115m1

152

Incident Energy (MeV)

51-Sb-119

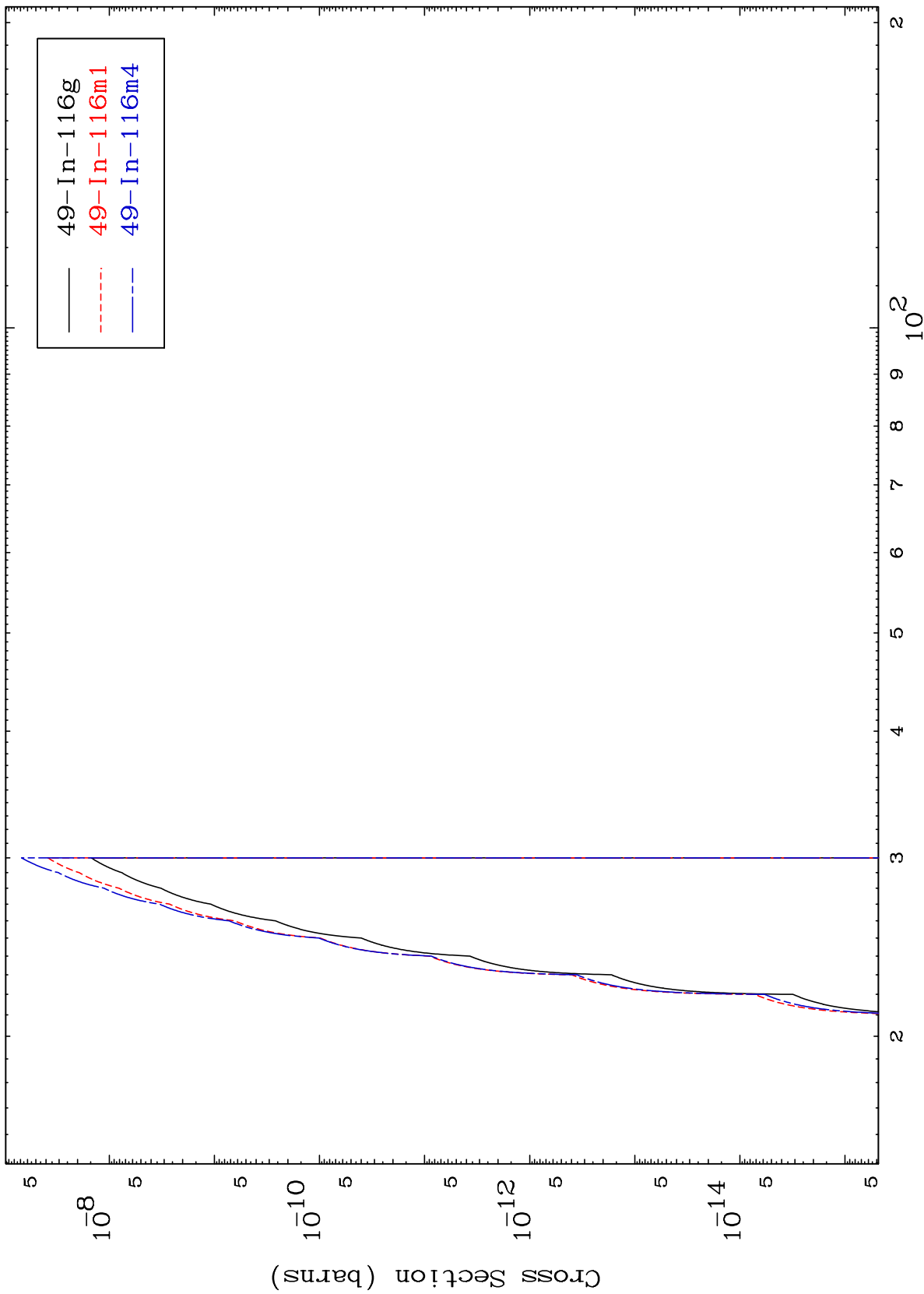


MAT 5119

(n,p) t

51-Sb-119

Radionuclide Production Cross Section



154

Incident Energy (MeV)

51-Sb-119