

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

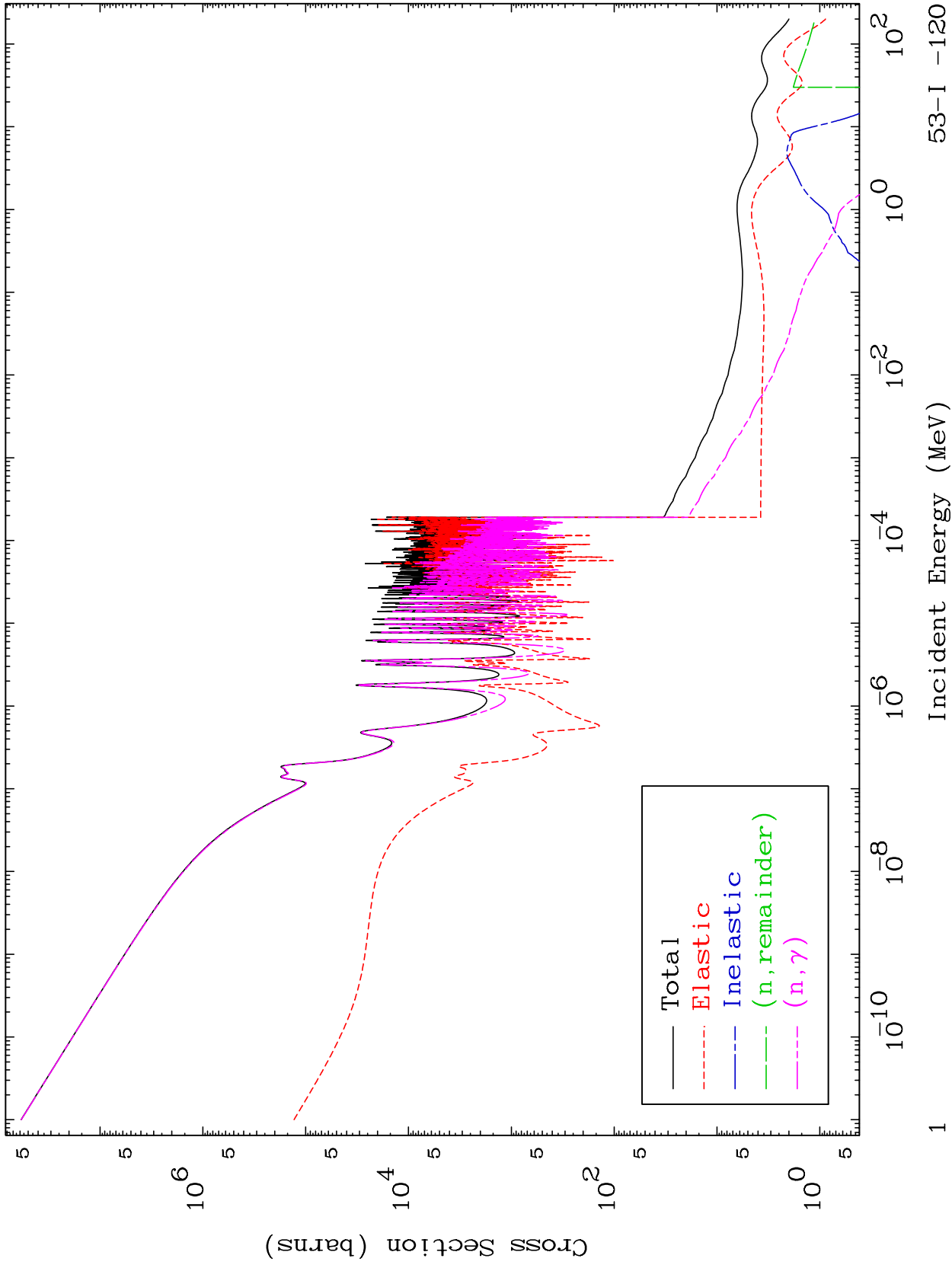
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5304

Major  
293 Kelvin Cross Sections

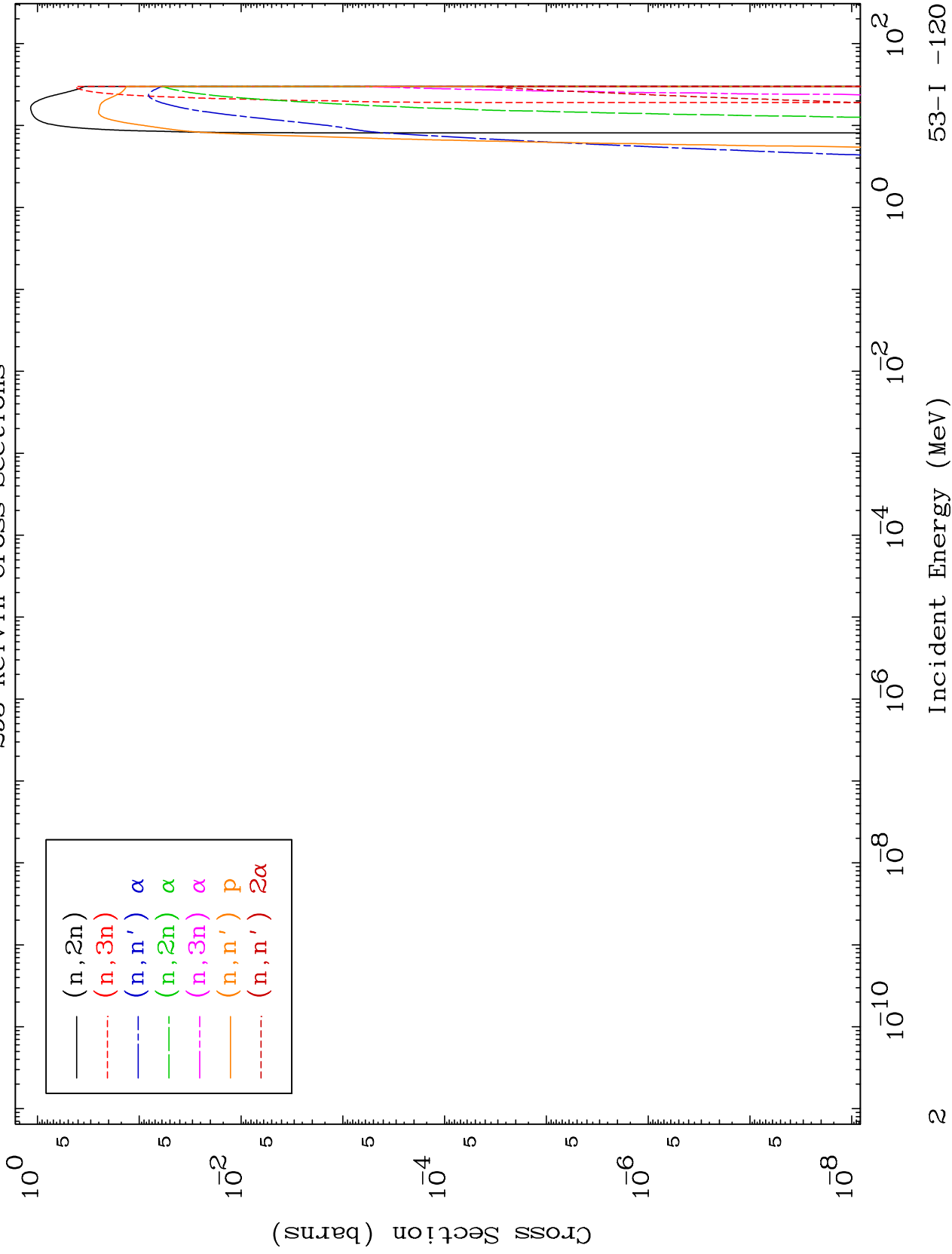
53-I -120

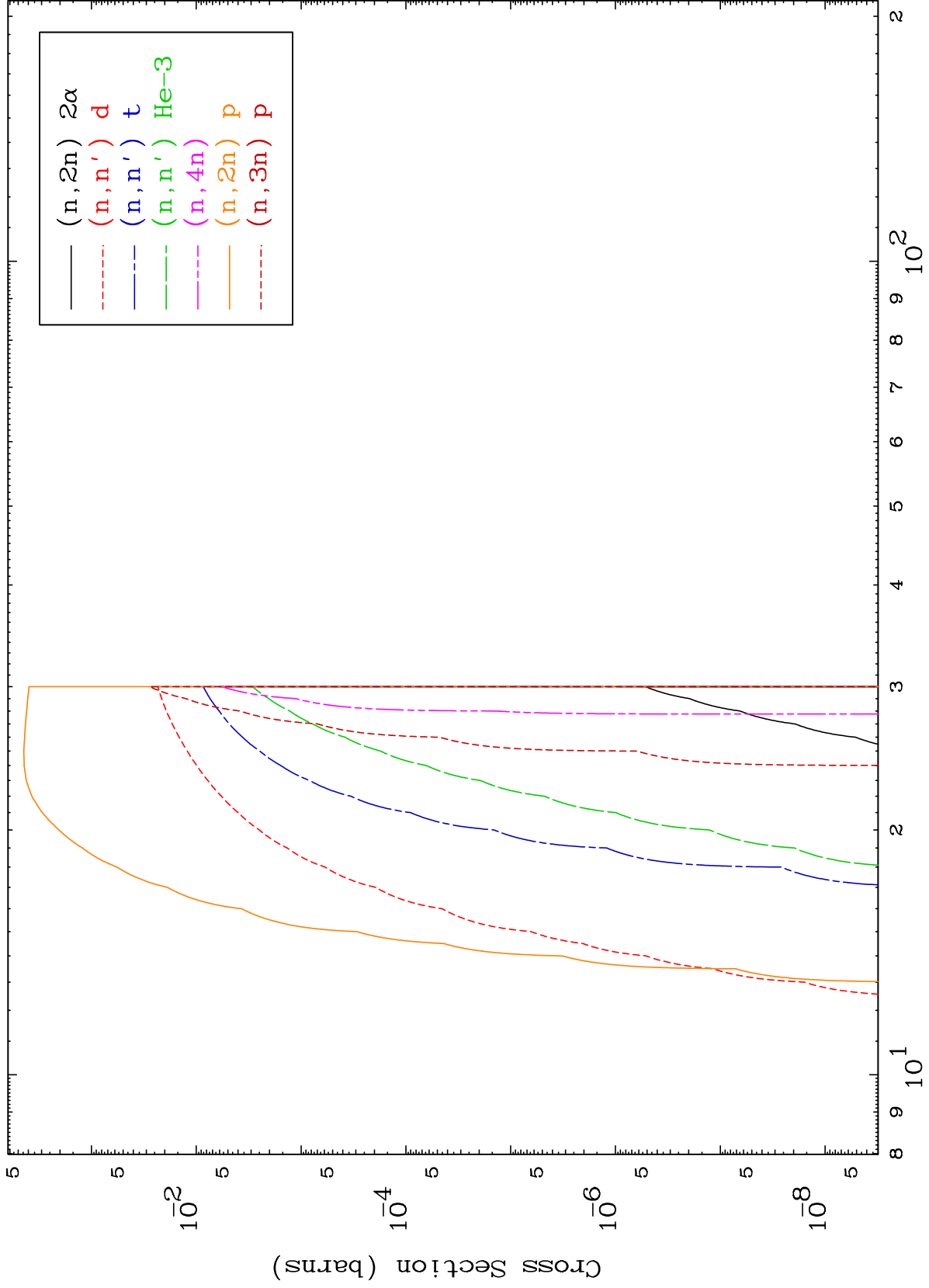


MAT 5304

Neutron Production  
293 Kelvin Cross Sections

53-I -120

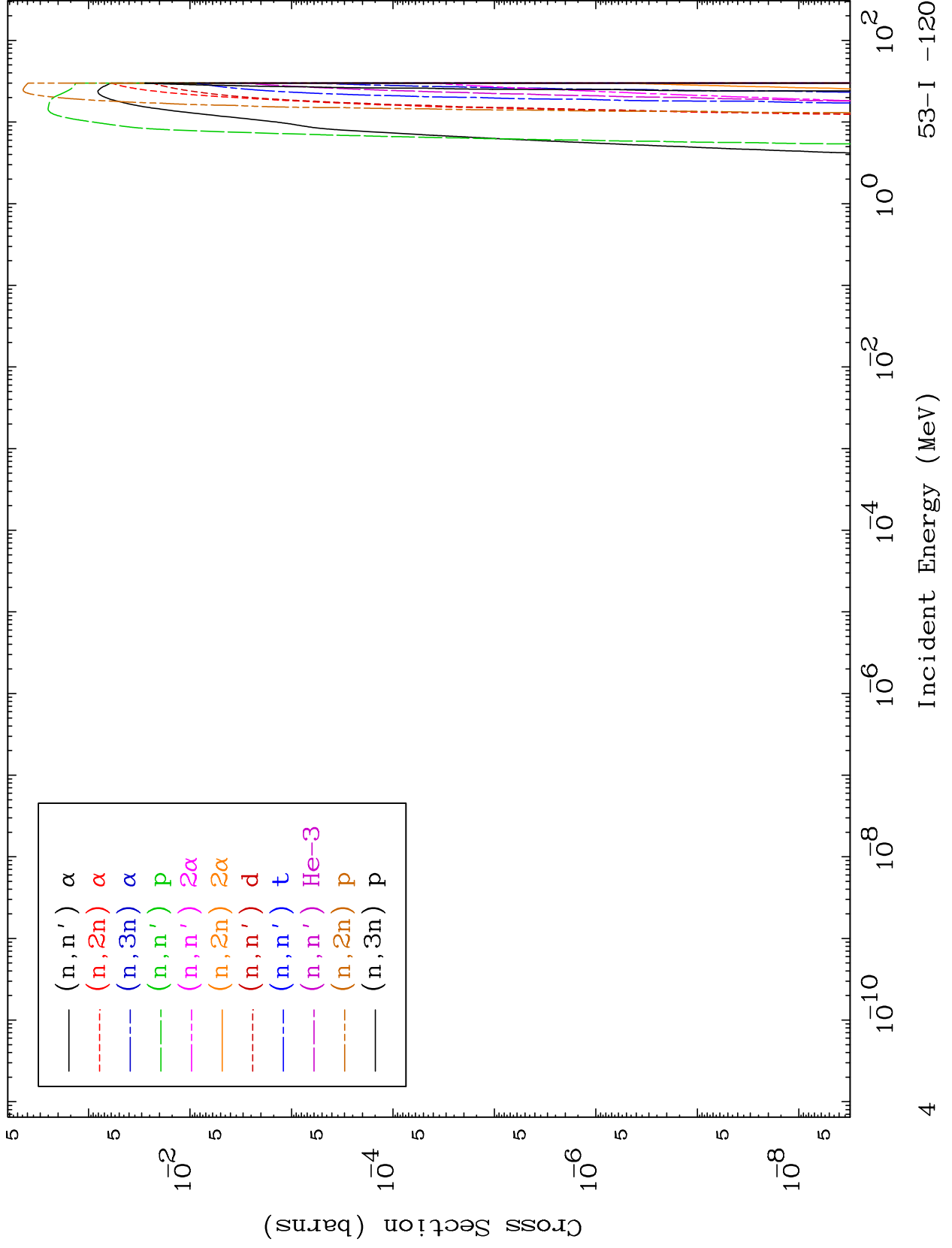




MAT 5304

Charged Particle  
293 Kelvin Cross Sections

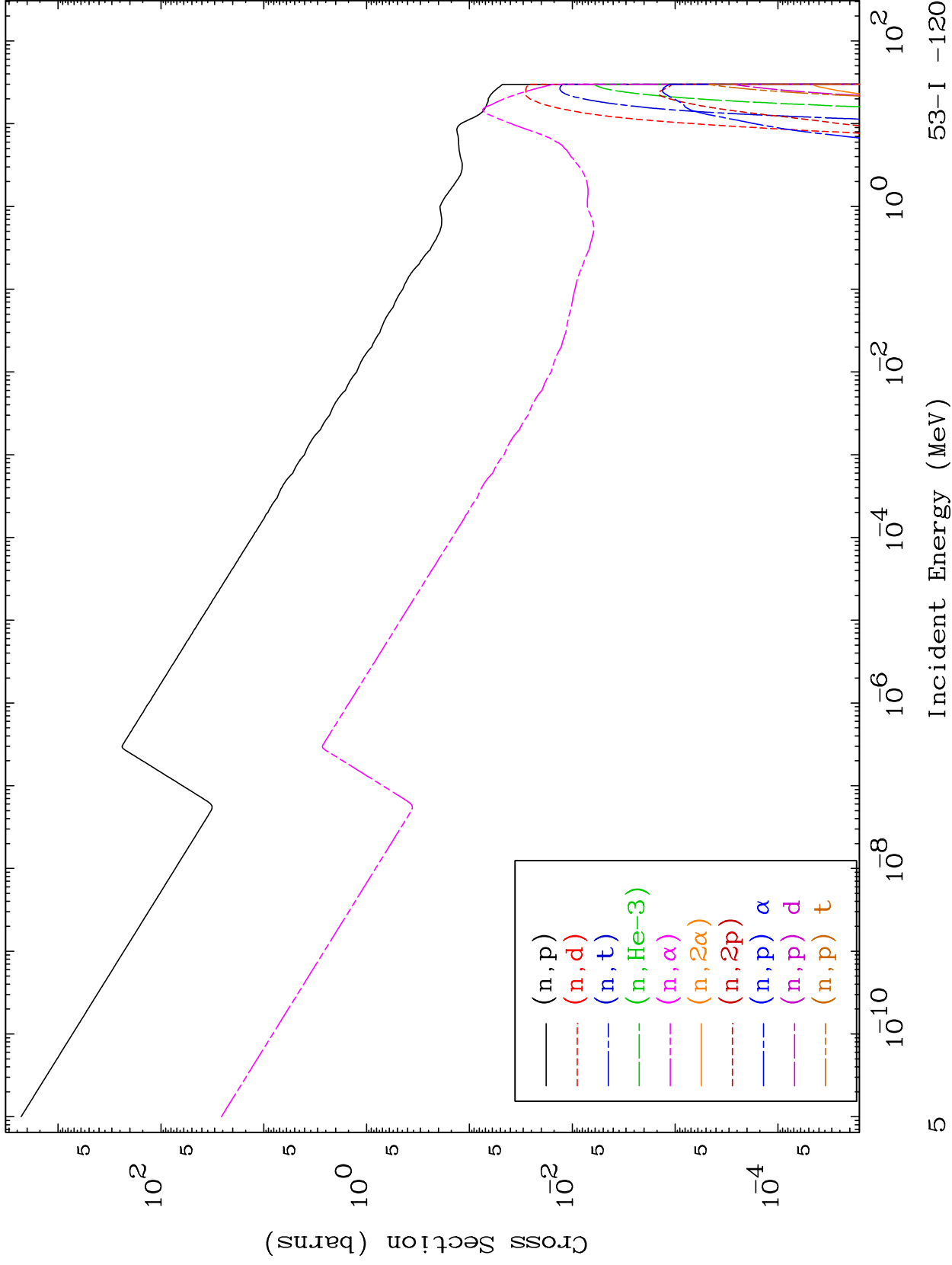
53-I -120

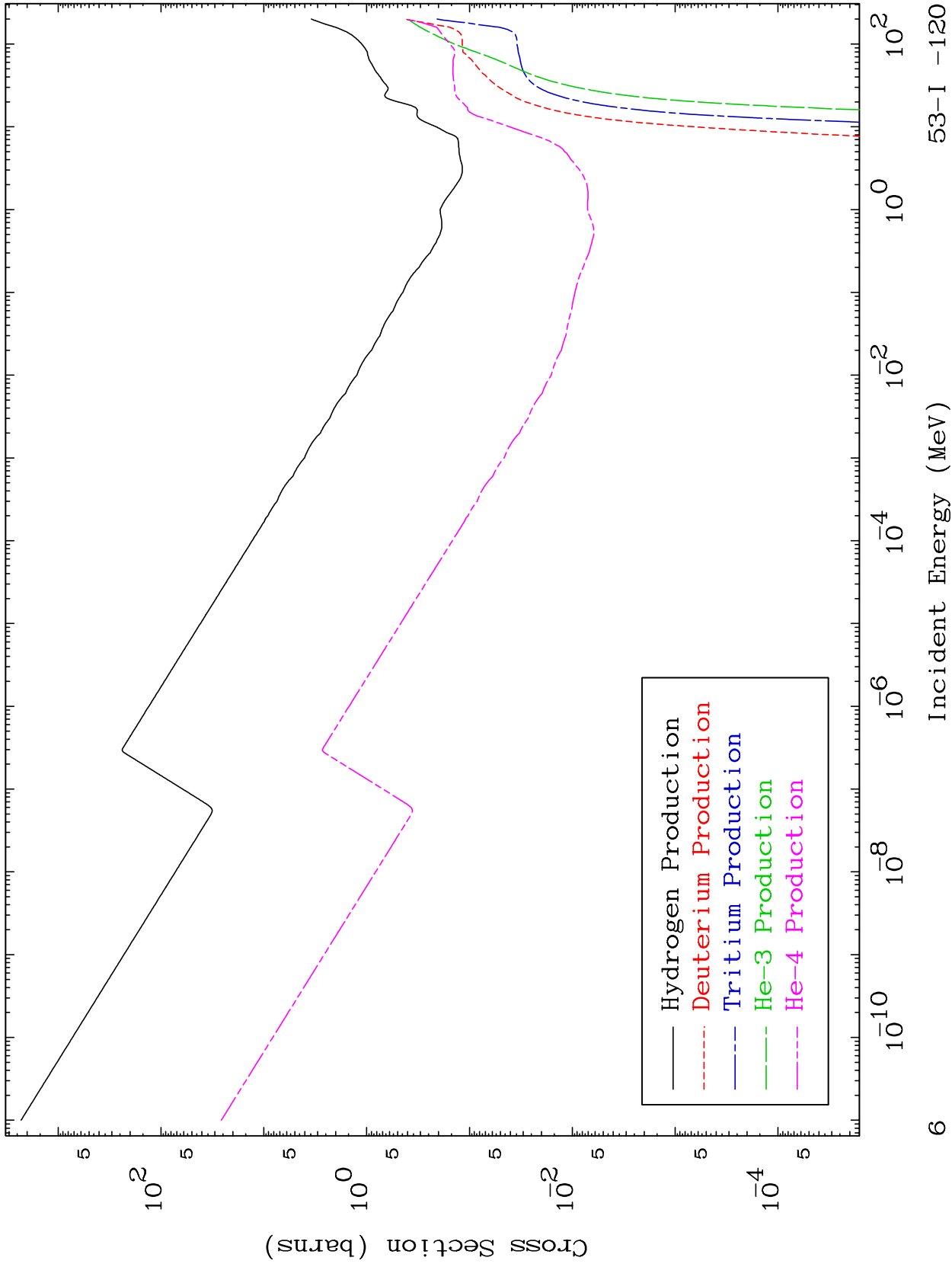


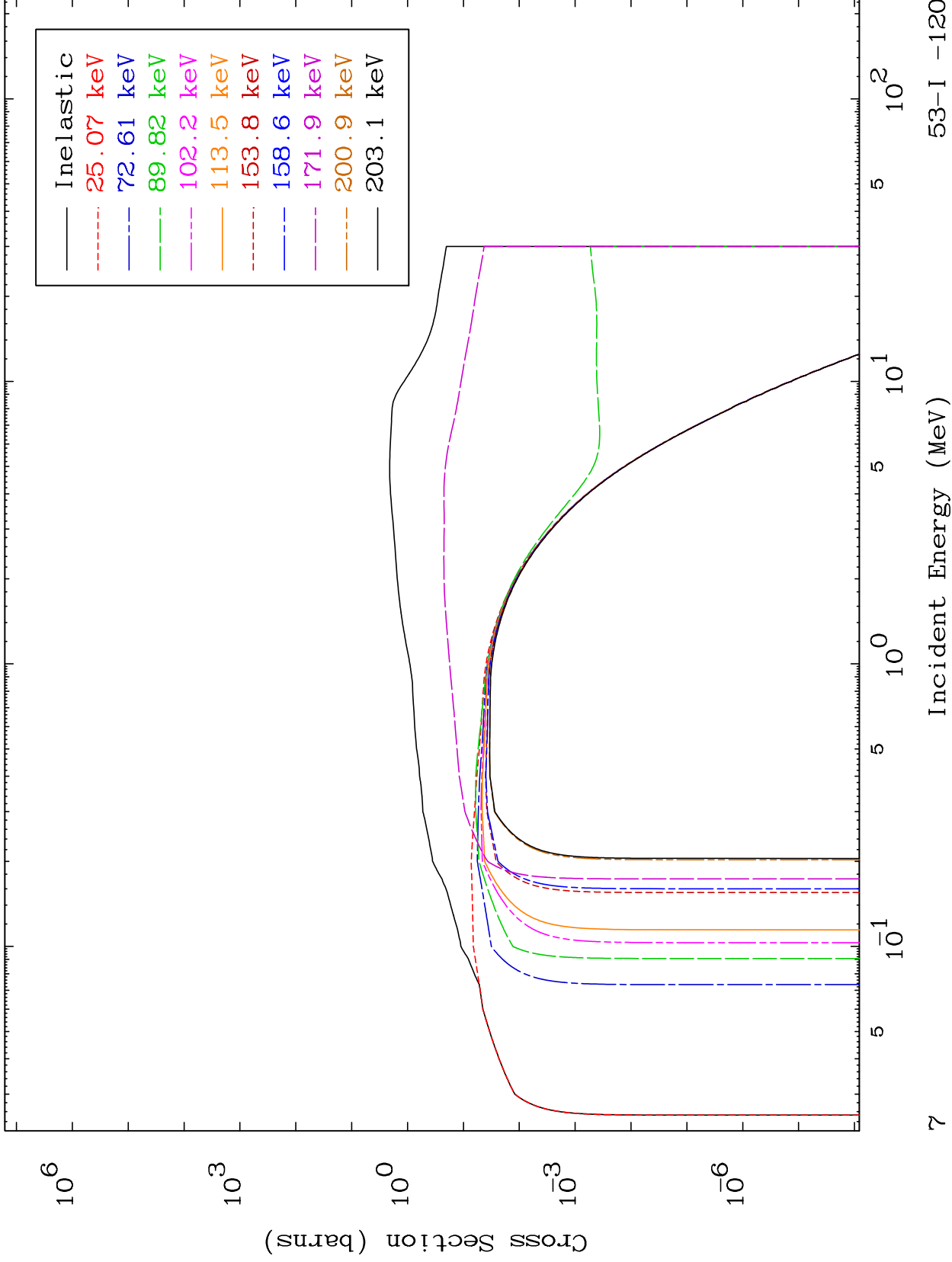
MAT 5304

Charged Particle  
293 Kelvin Cross Sections

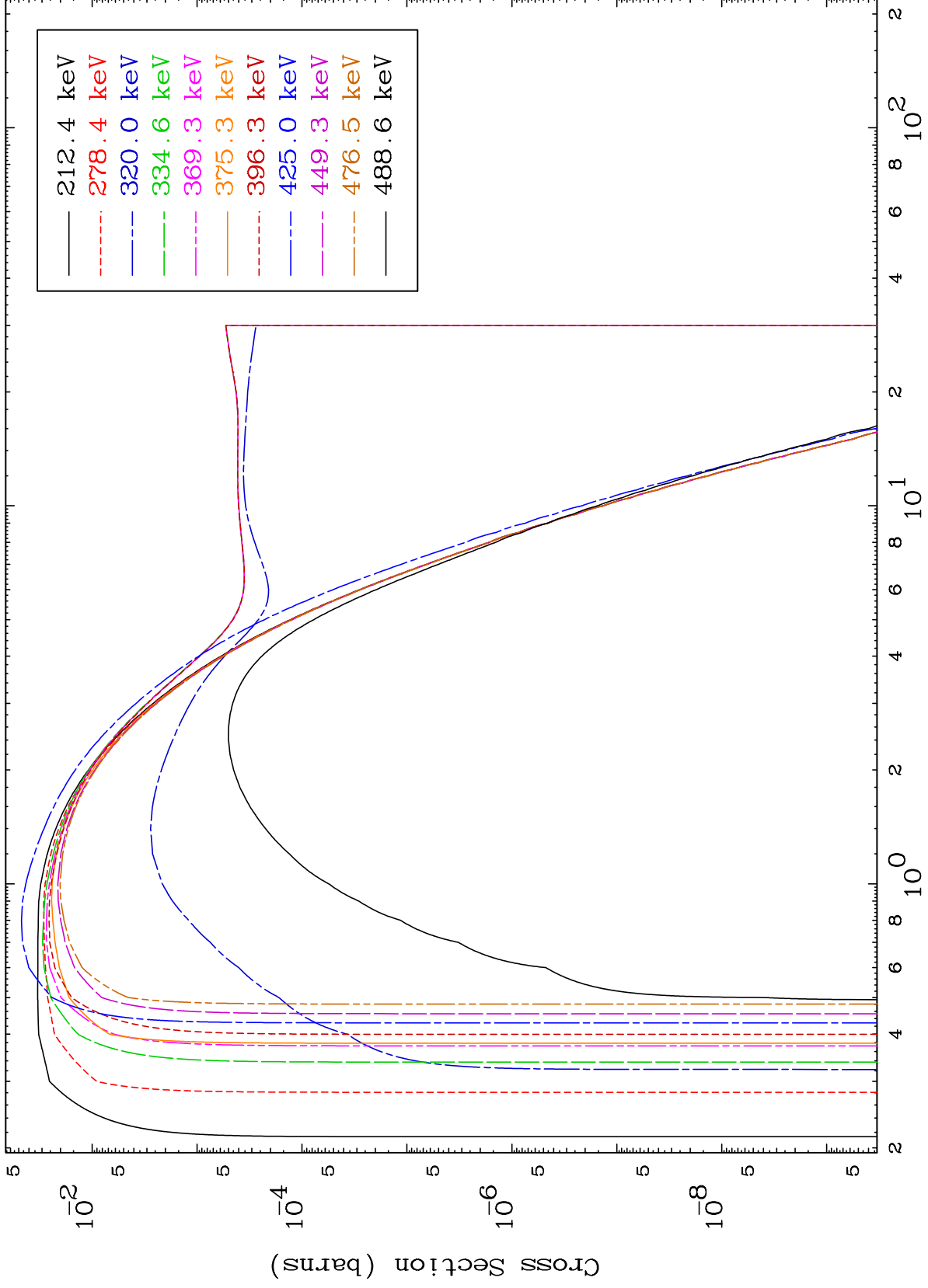
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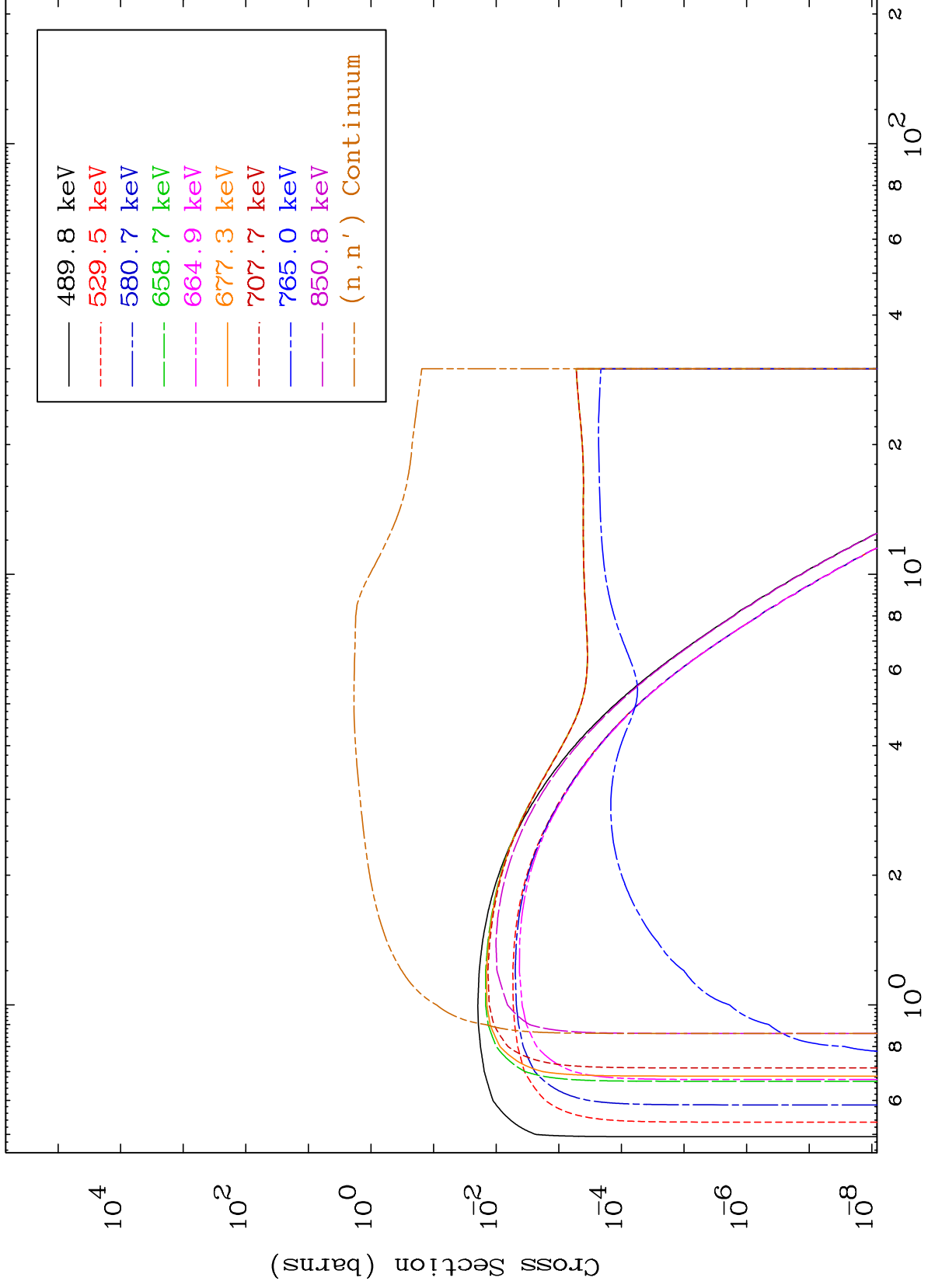








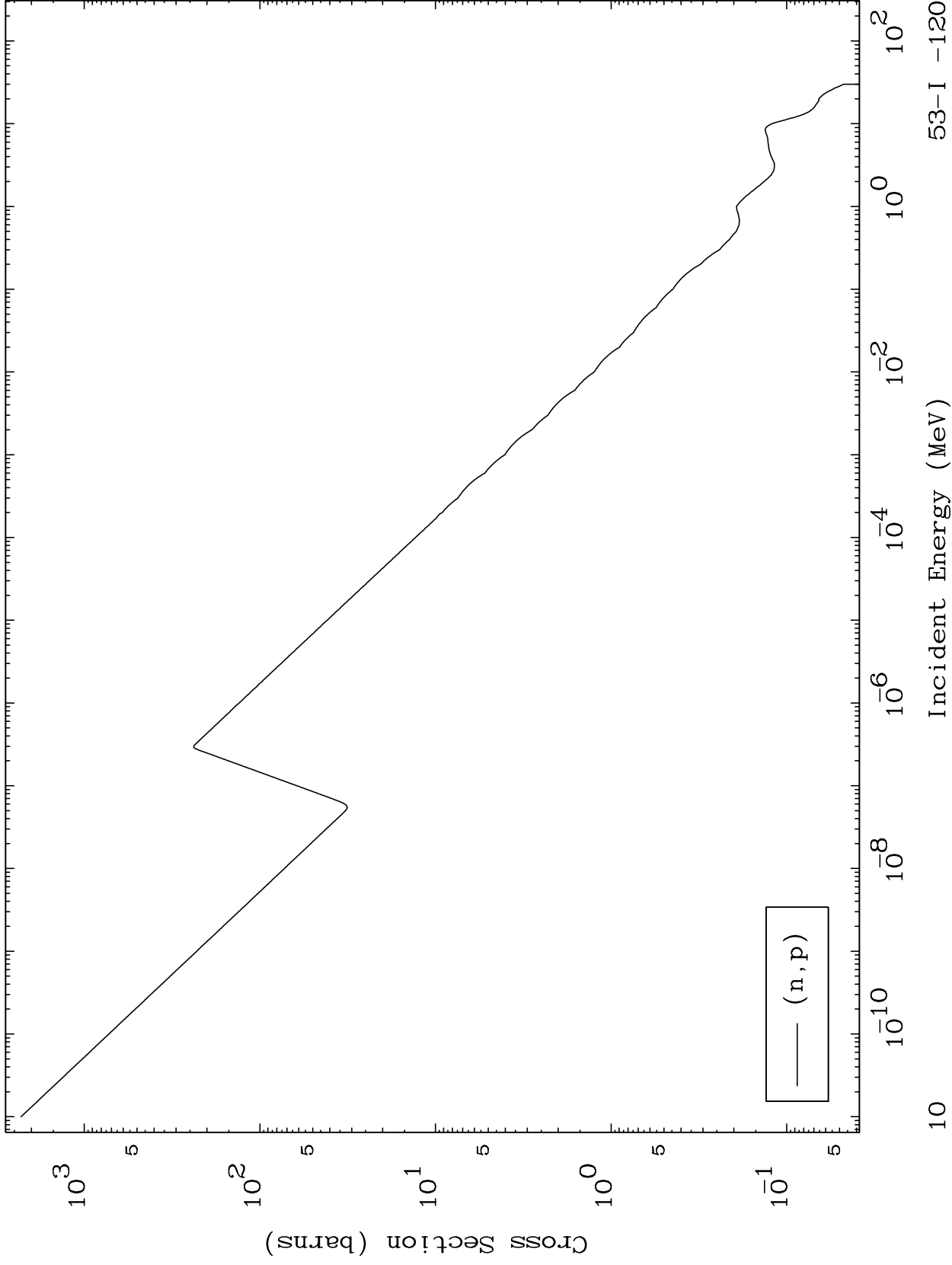




MAT 5304

(n,p) Levels  
293 Kelvin Cross Sections

53-I -120



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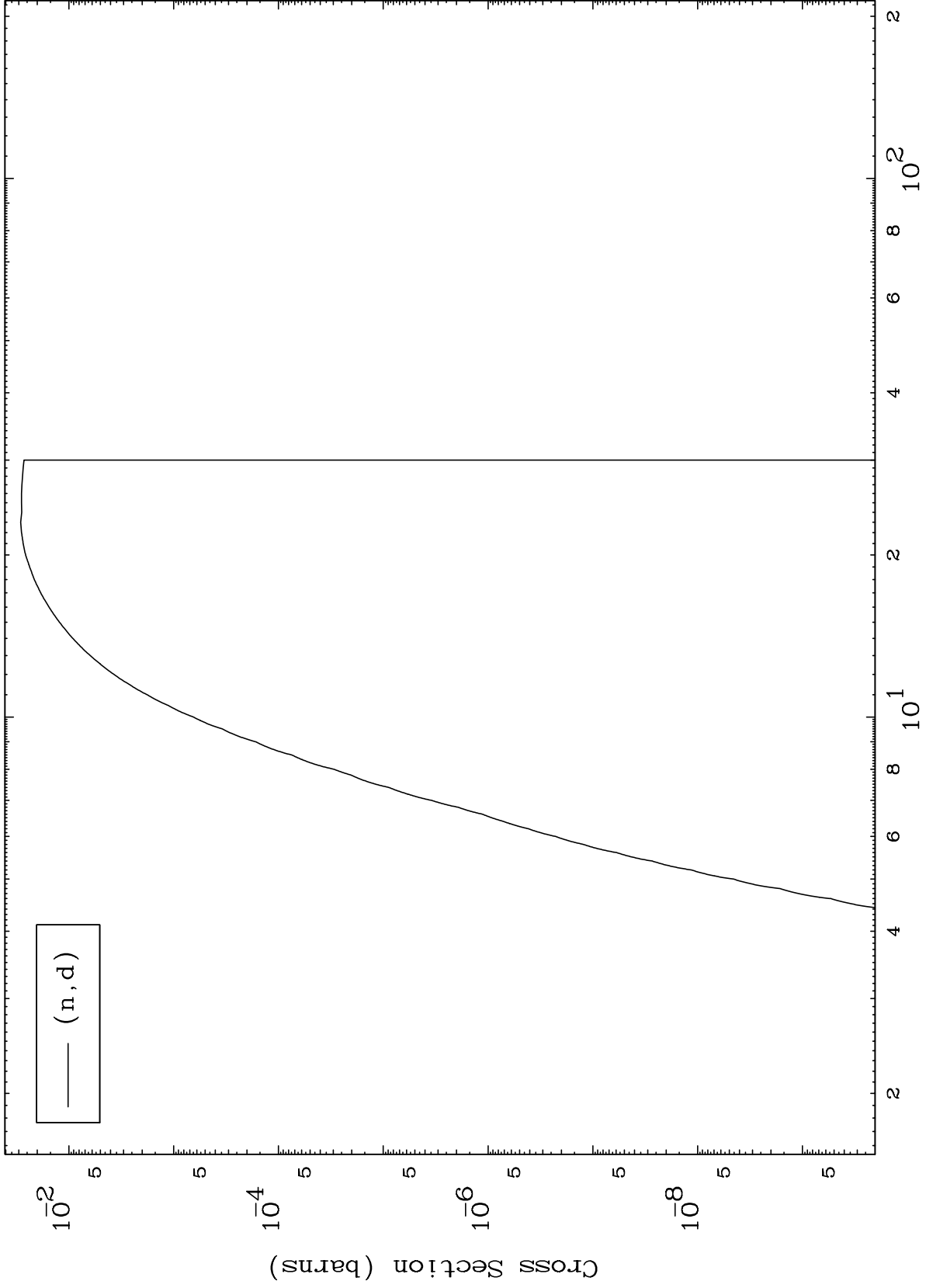
Incident Energy (MeV)

53-I -120

MAT 5304

(n,d) Levels  
293 Kelvin Cross Sections

53-I -120



11

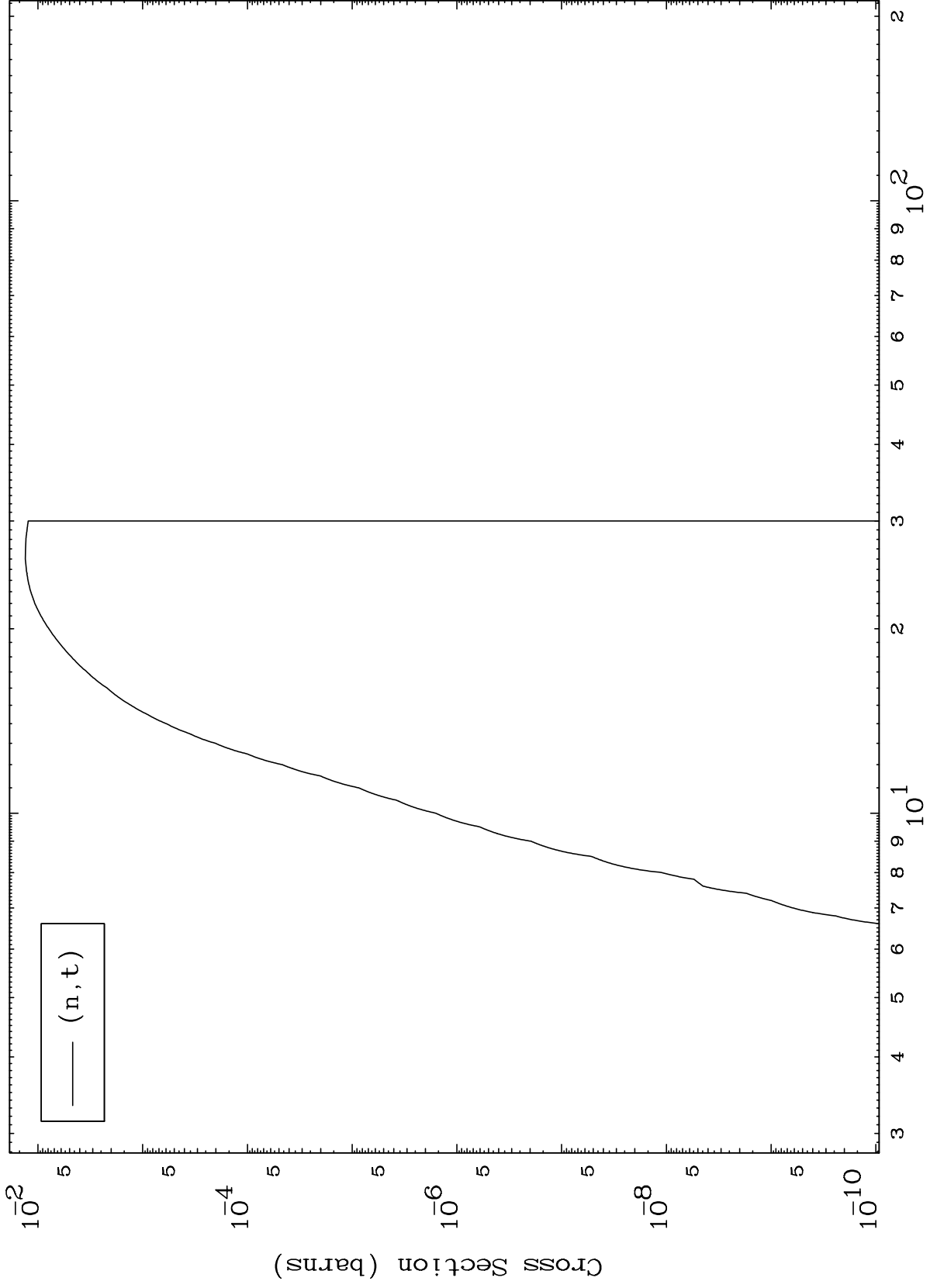
Incident Energy (MeV)

53-I -120

MAT 5304

(n,t) Levels  
293 Kelvin Cross Sections

53-I -120



12

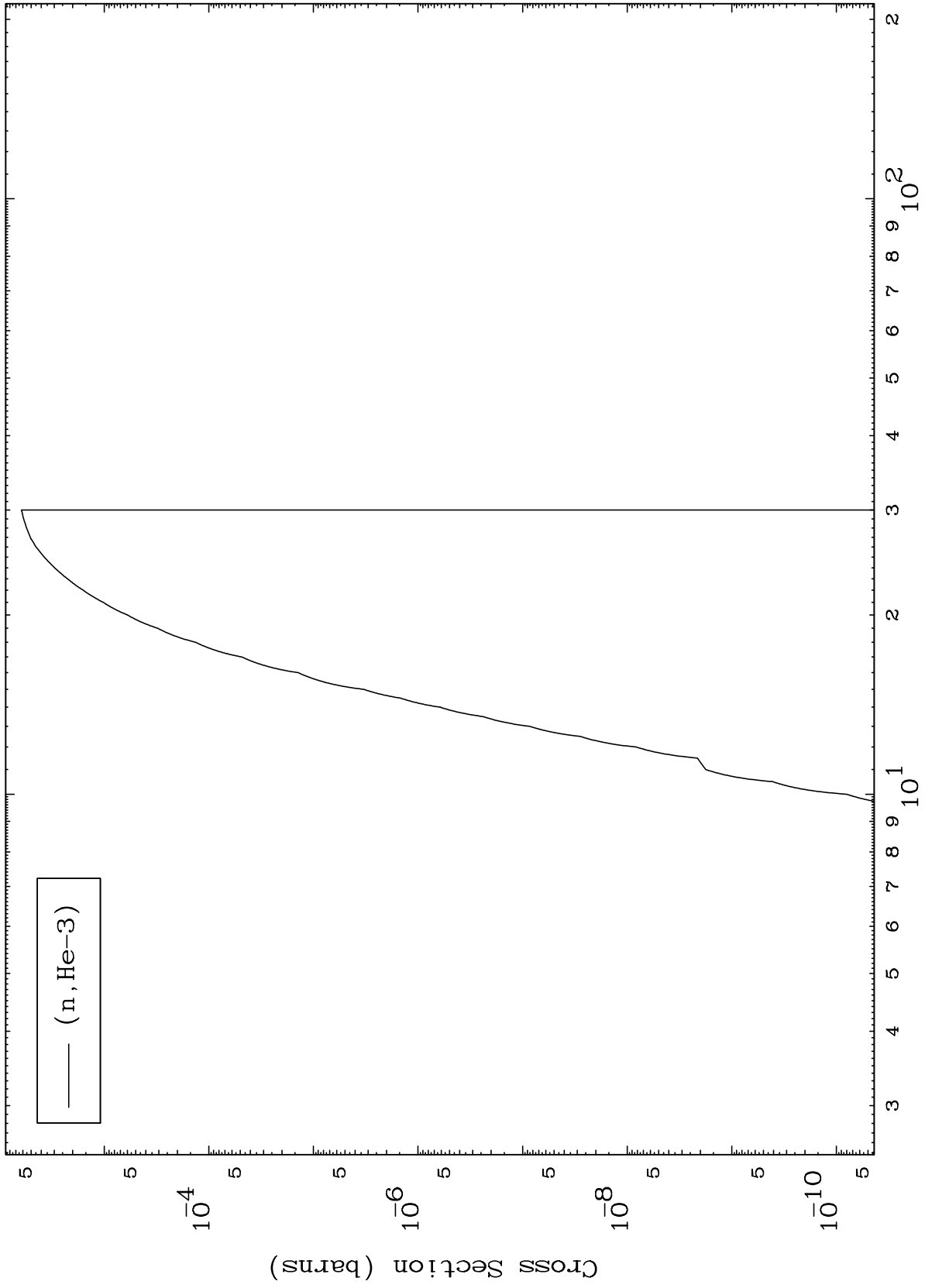
Incident Energy (MeV)

53-I -120

MAT 5304

(n,He3) Levels  
293 Kelvin Cross Sections

53-I -120



13

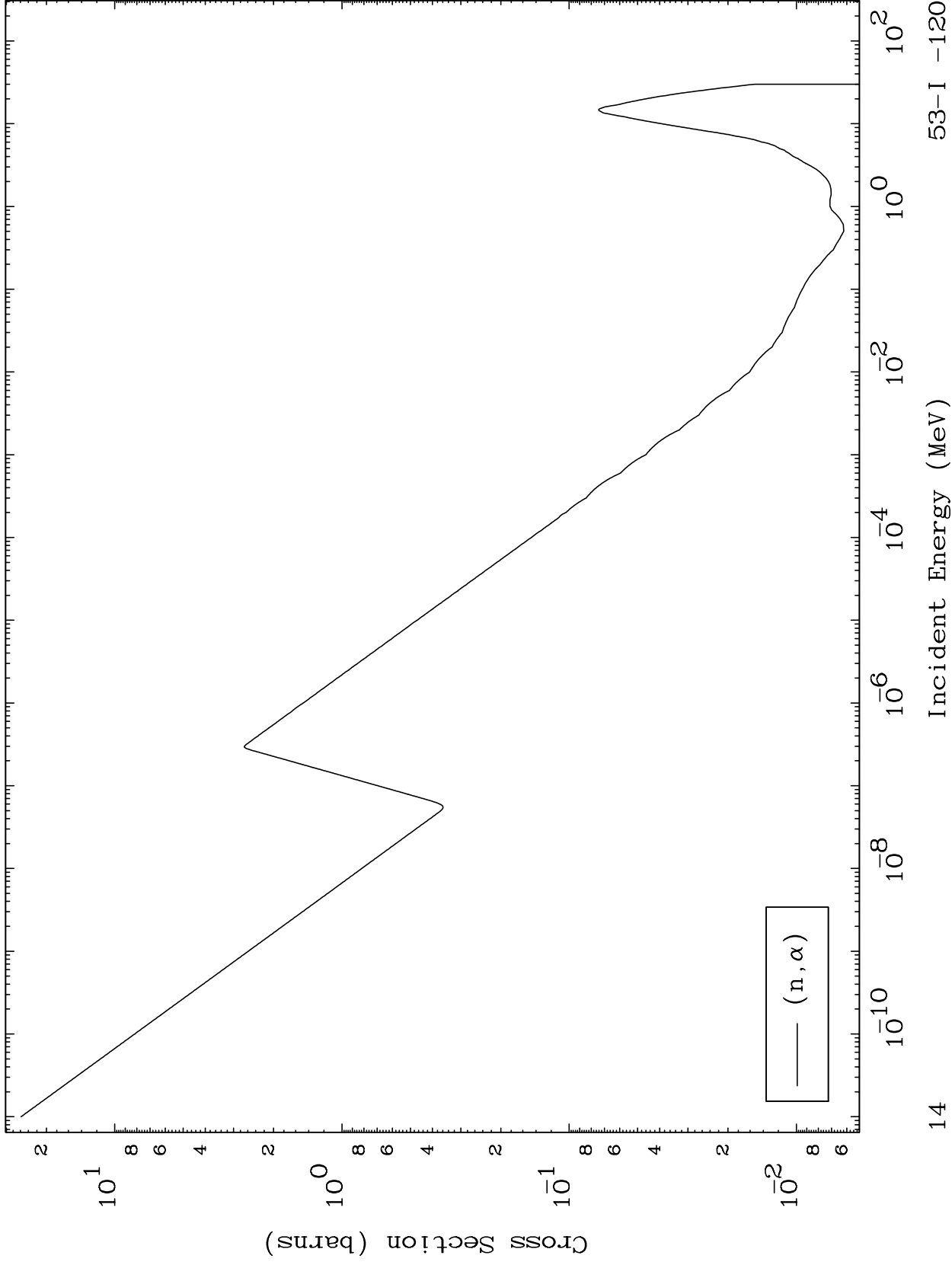
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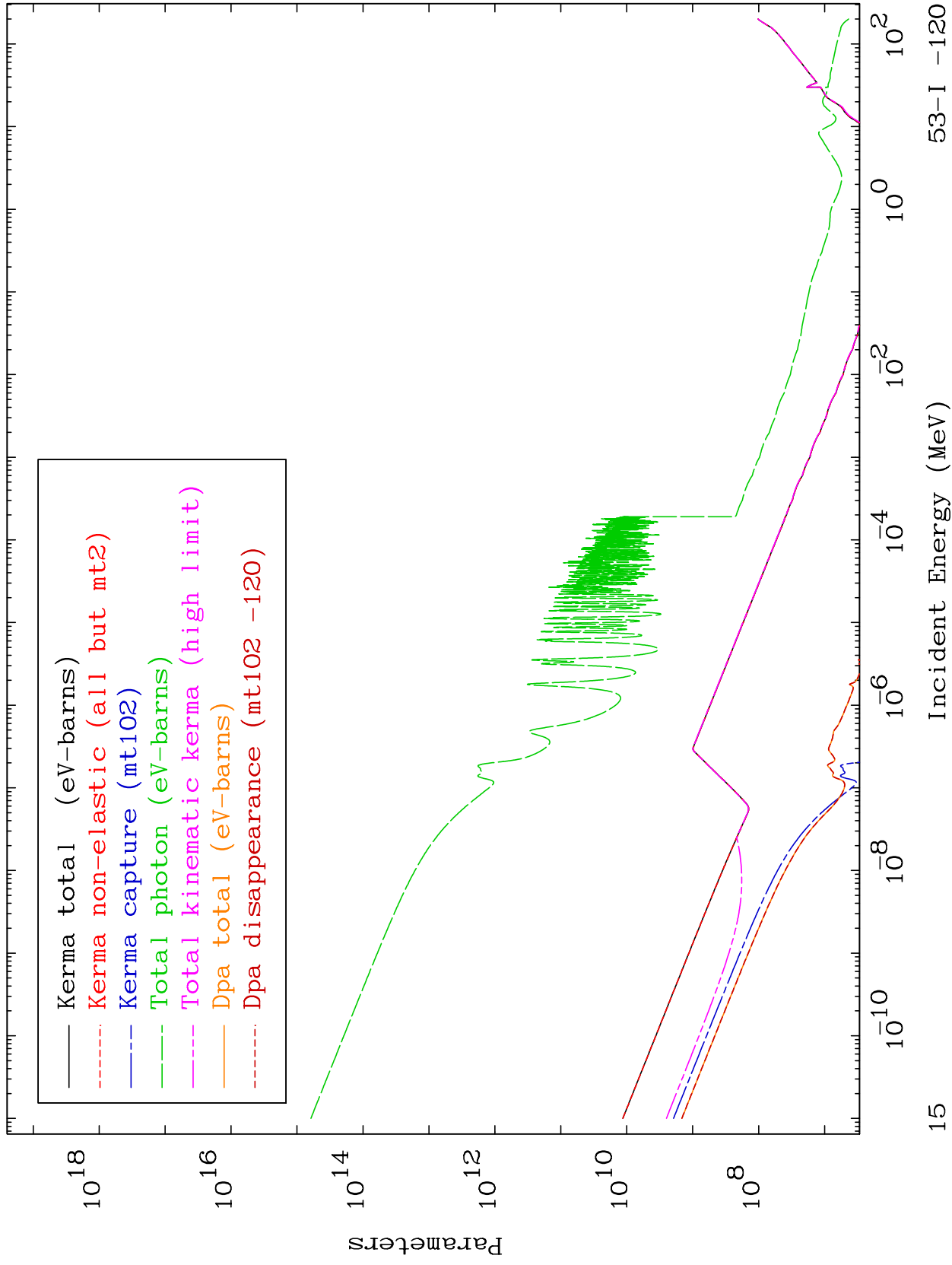
53-I -120

MAT 5304

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

53-I -120



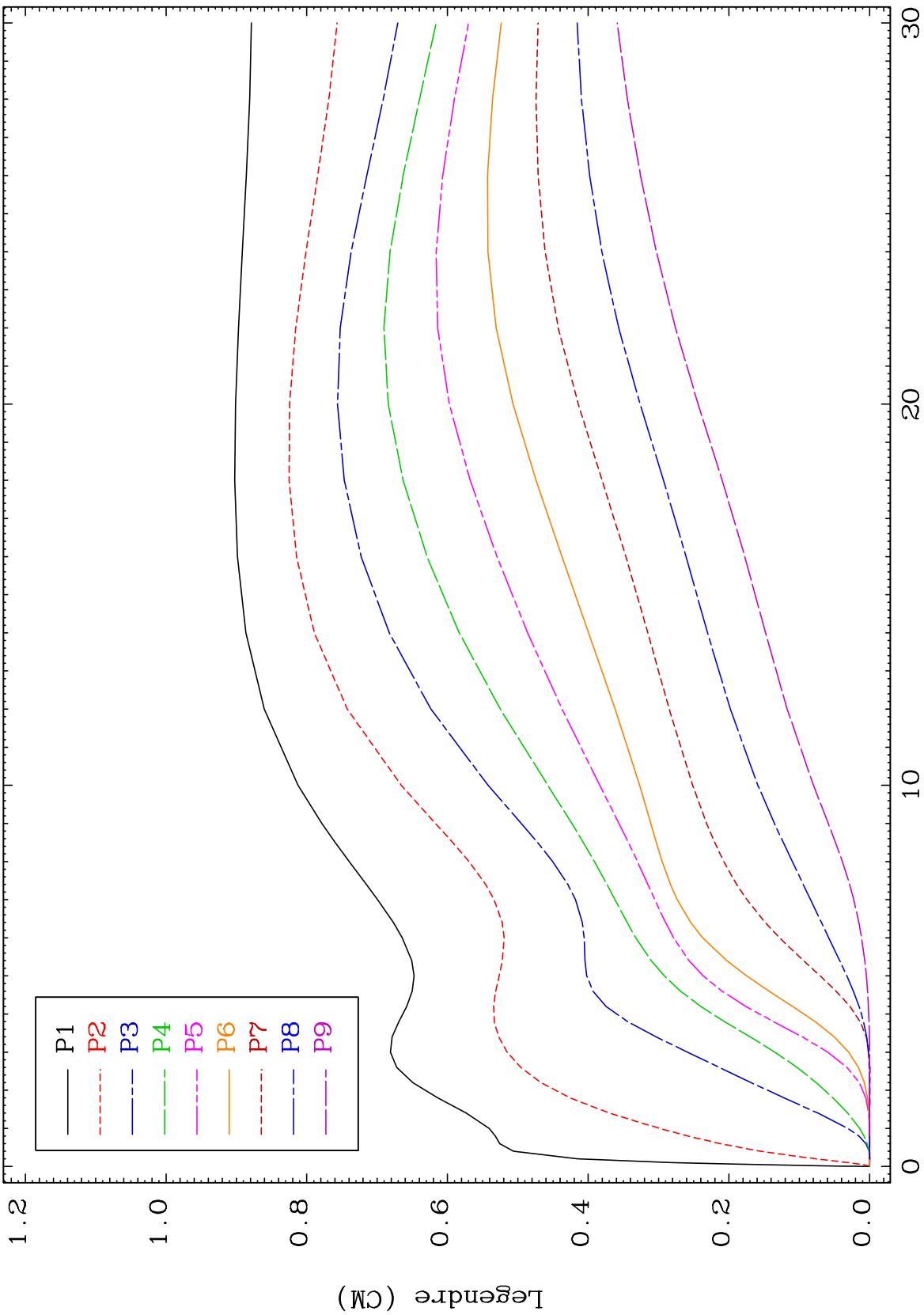




MAT 5304

Elastic Legendre Coefficients

53-I -120



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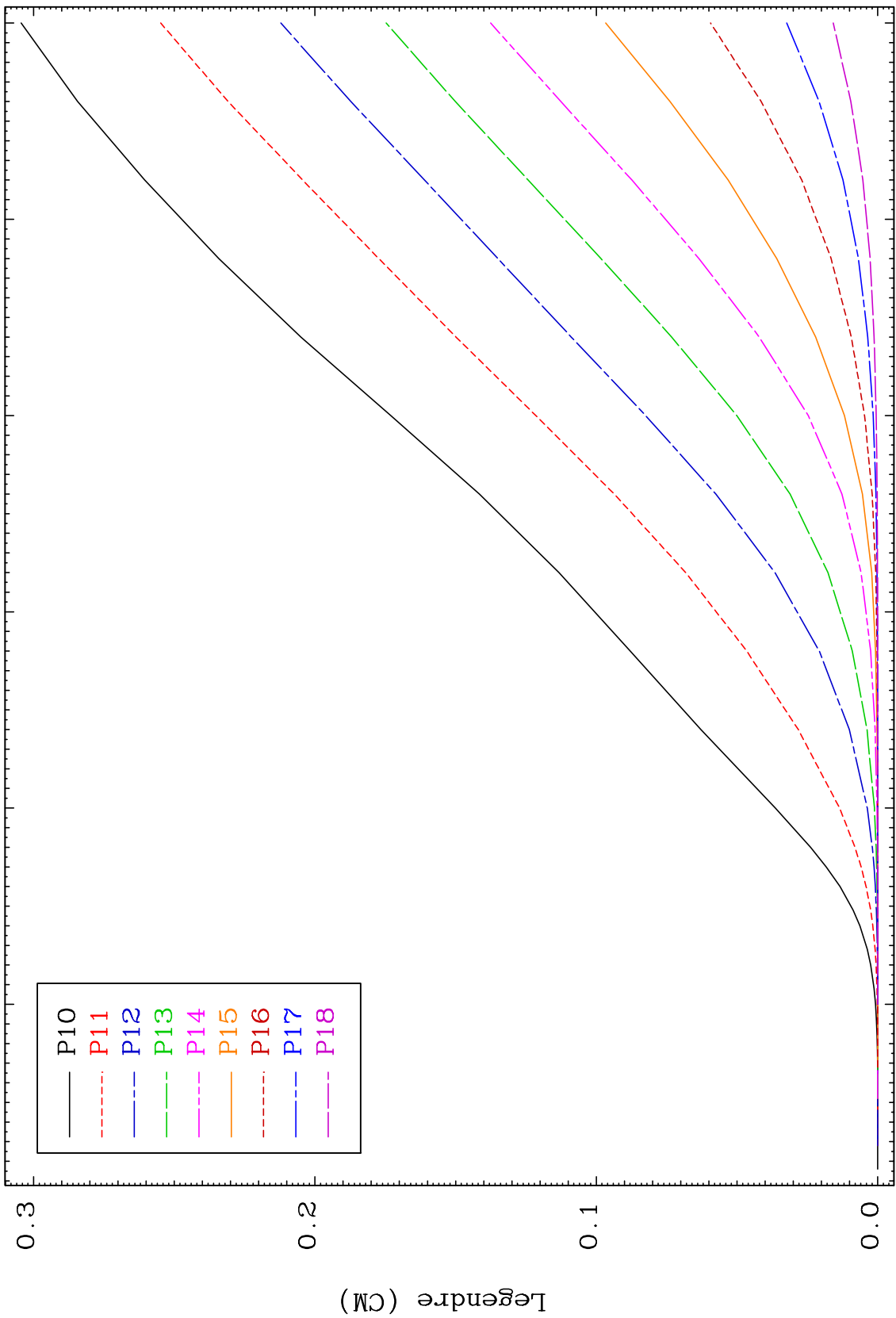
Incident Energy (MeV)

53-I -120

MAT 5304

Elastic Legendre Coefficients

53-I -120



17

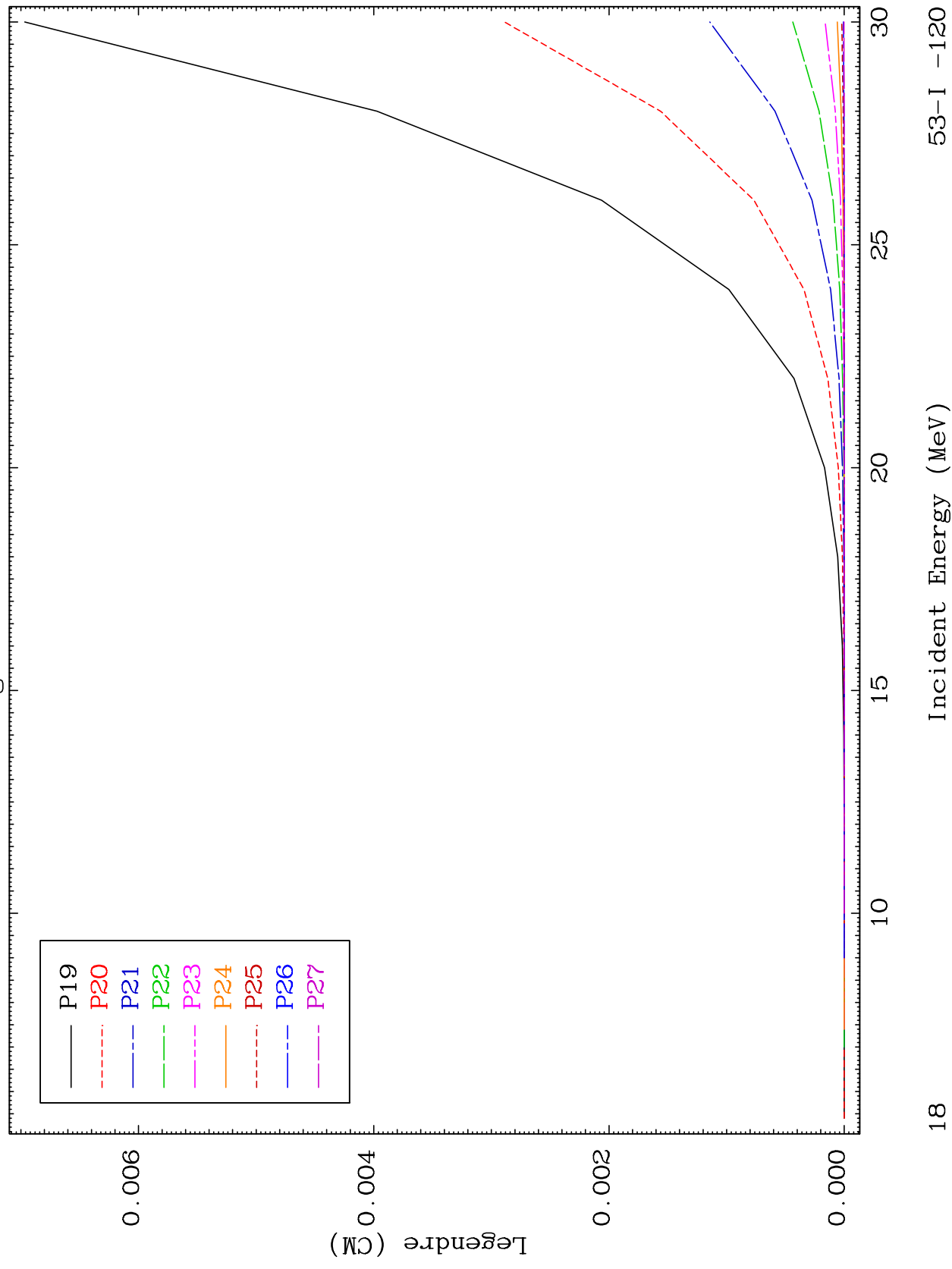
Incident Energy (MeV)

53-I -120

MAT 5304

### Elastic Legendre Coefficients

53-I -120



18

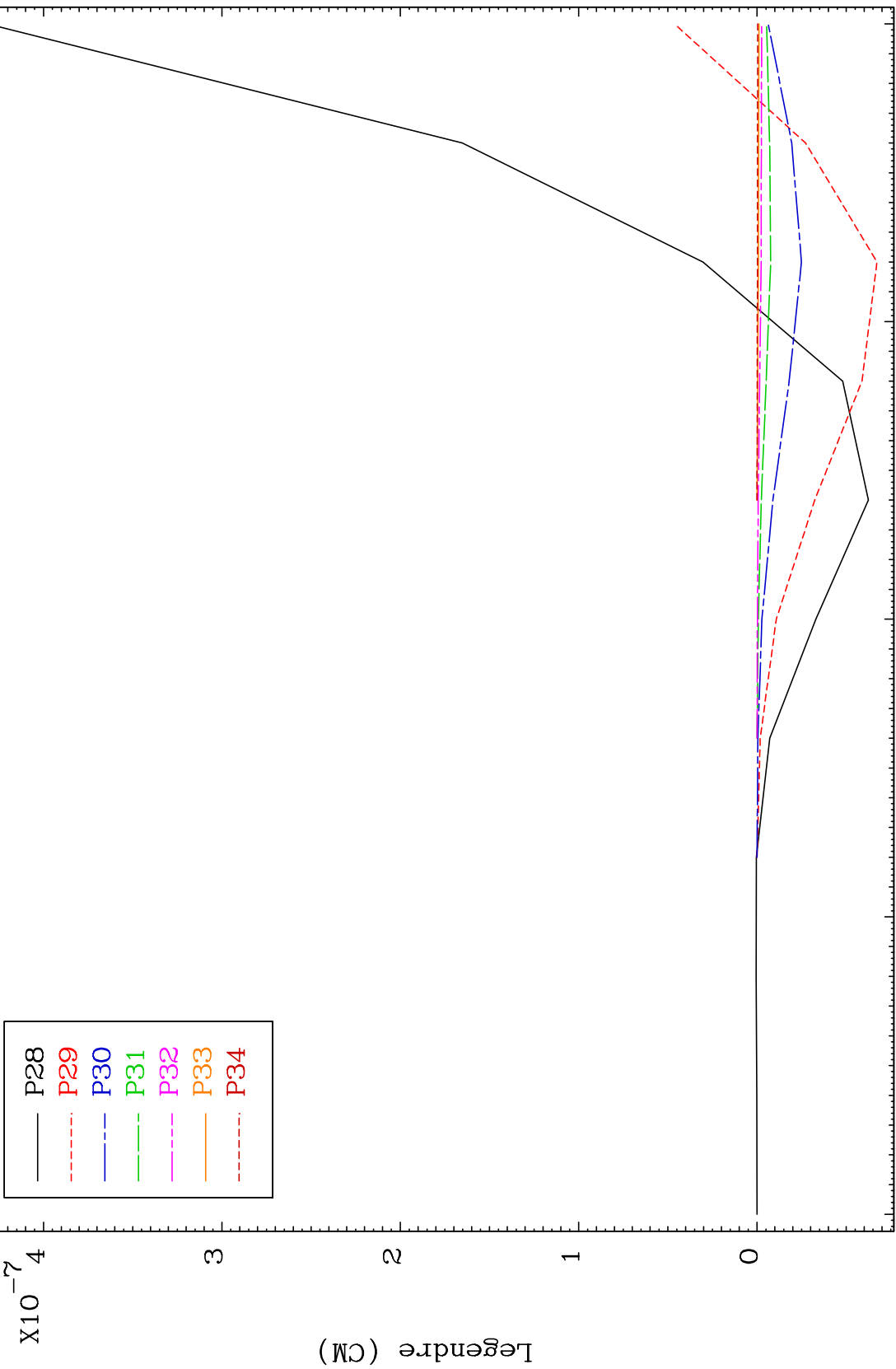
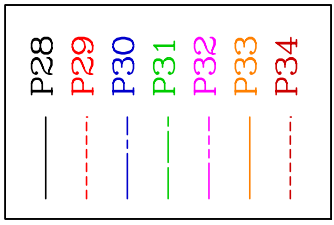
Incident Energy (MeV)

53-I -120

MAT 5304

Elastic Legendre Coefficients

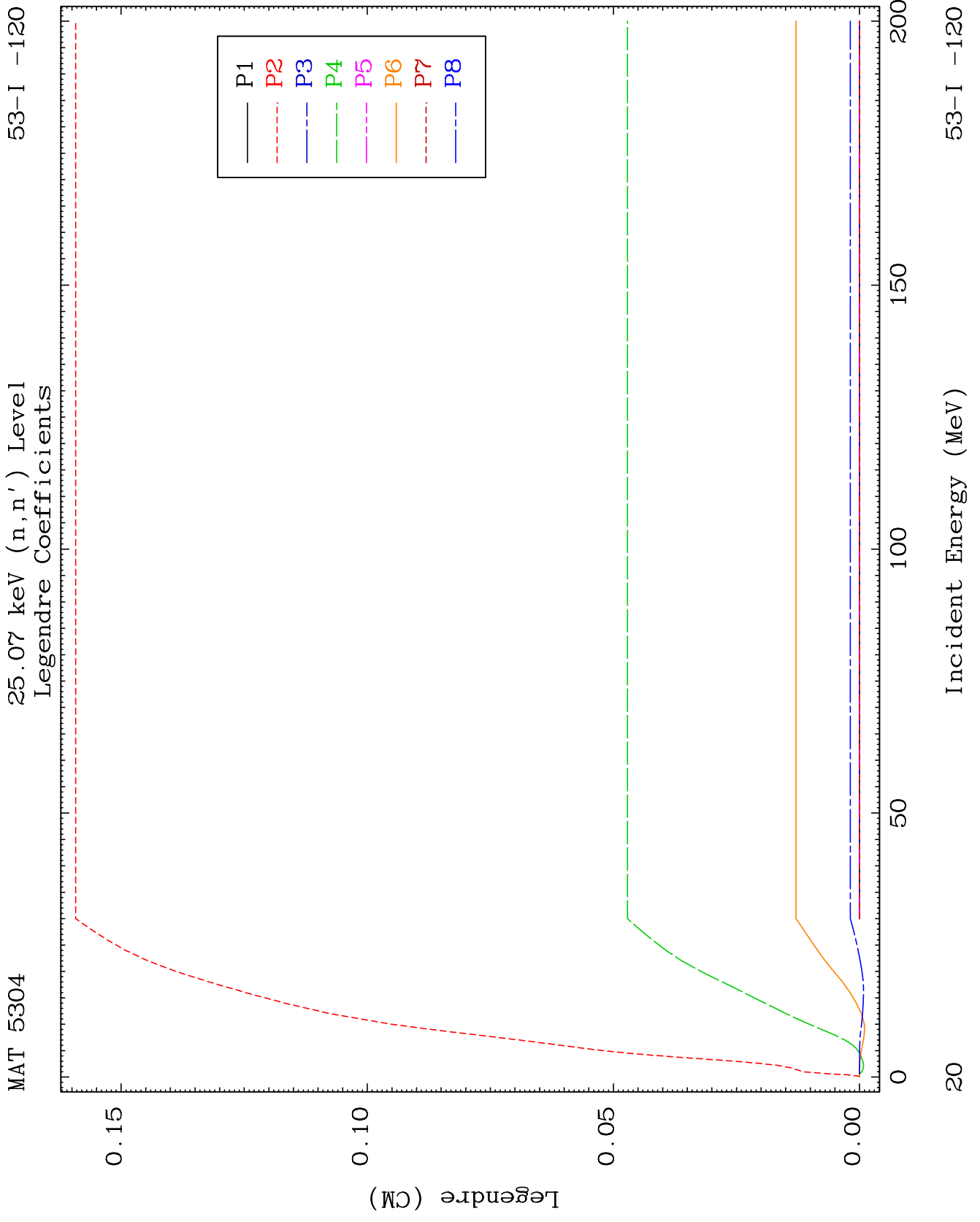
53-I -120



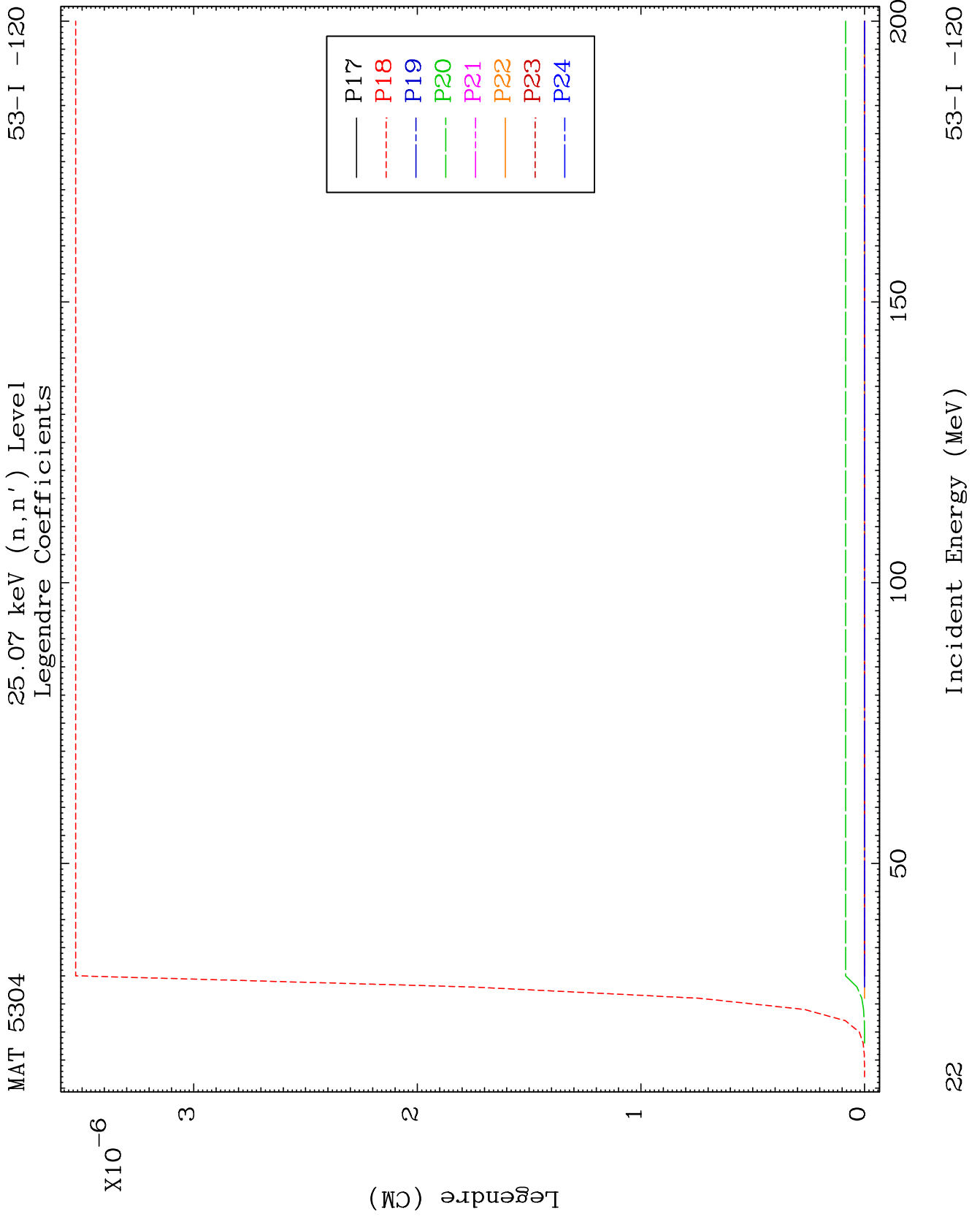
19

Incident Energy (MeV)

53-I -120

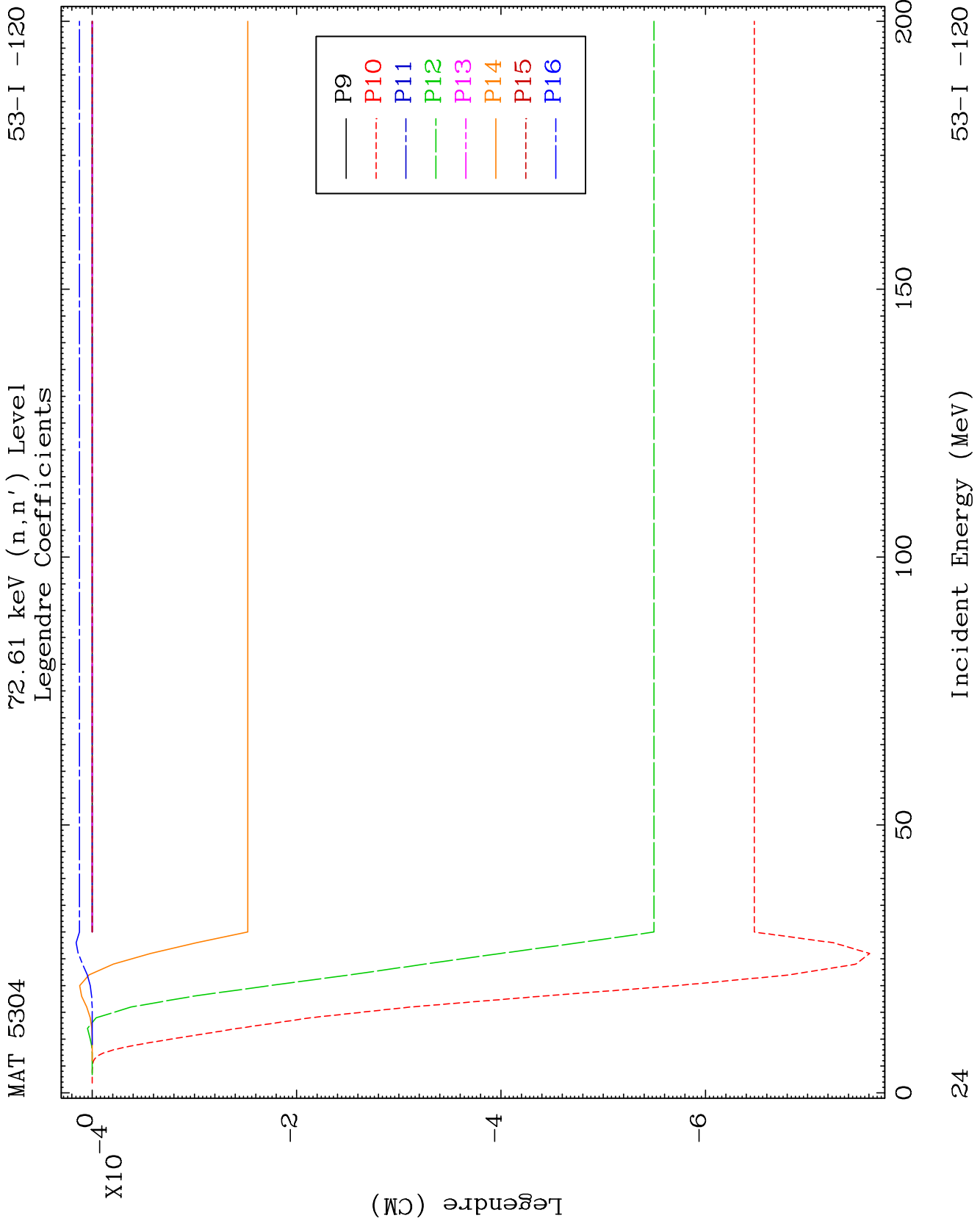










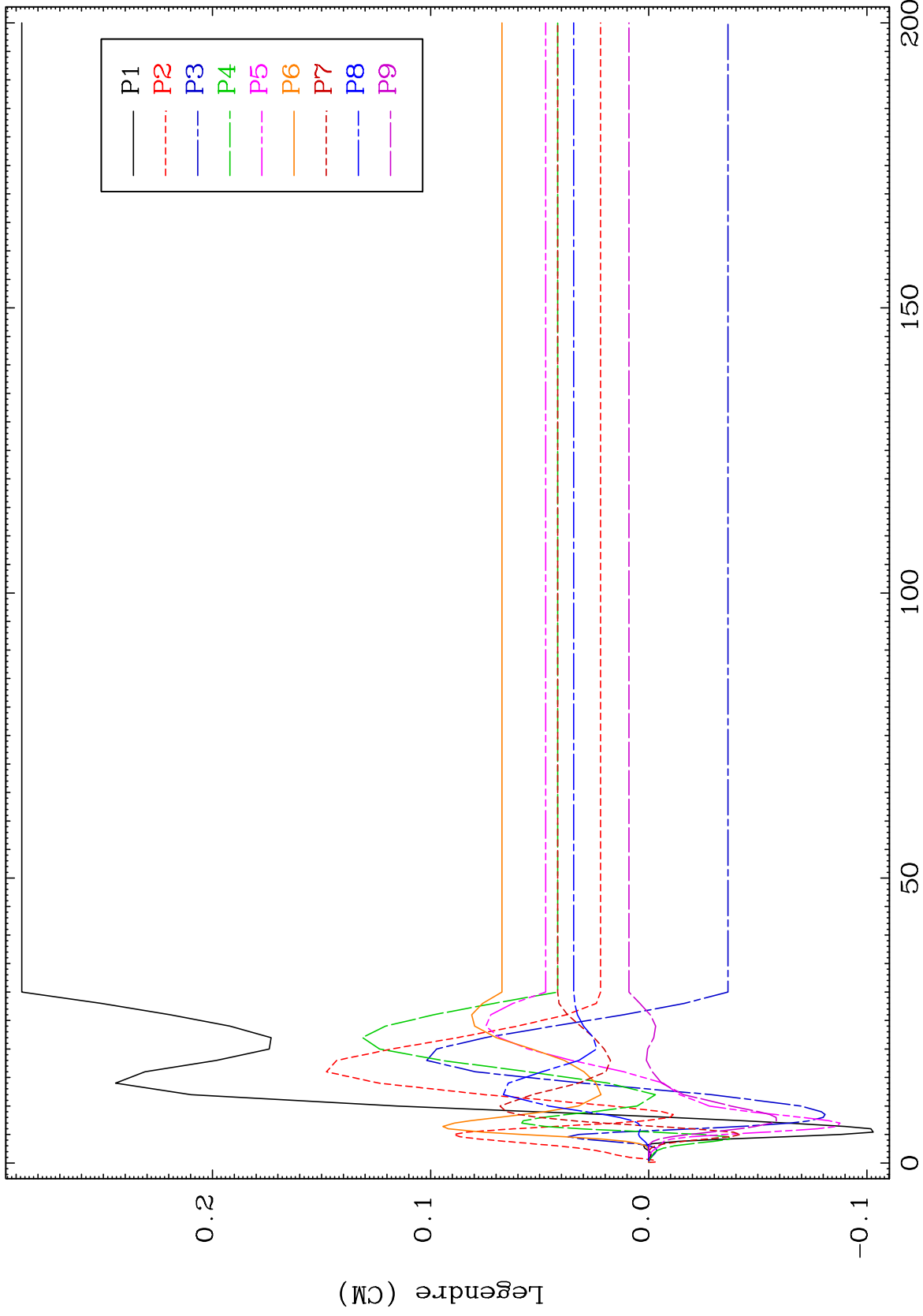




MAT 5304

89.82 keV (n,n') Level  
Legendre Coefficients

53-I -120



26

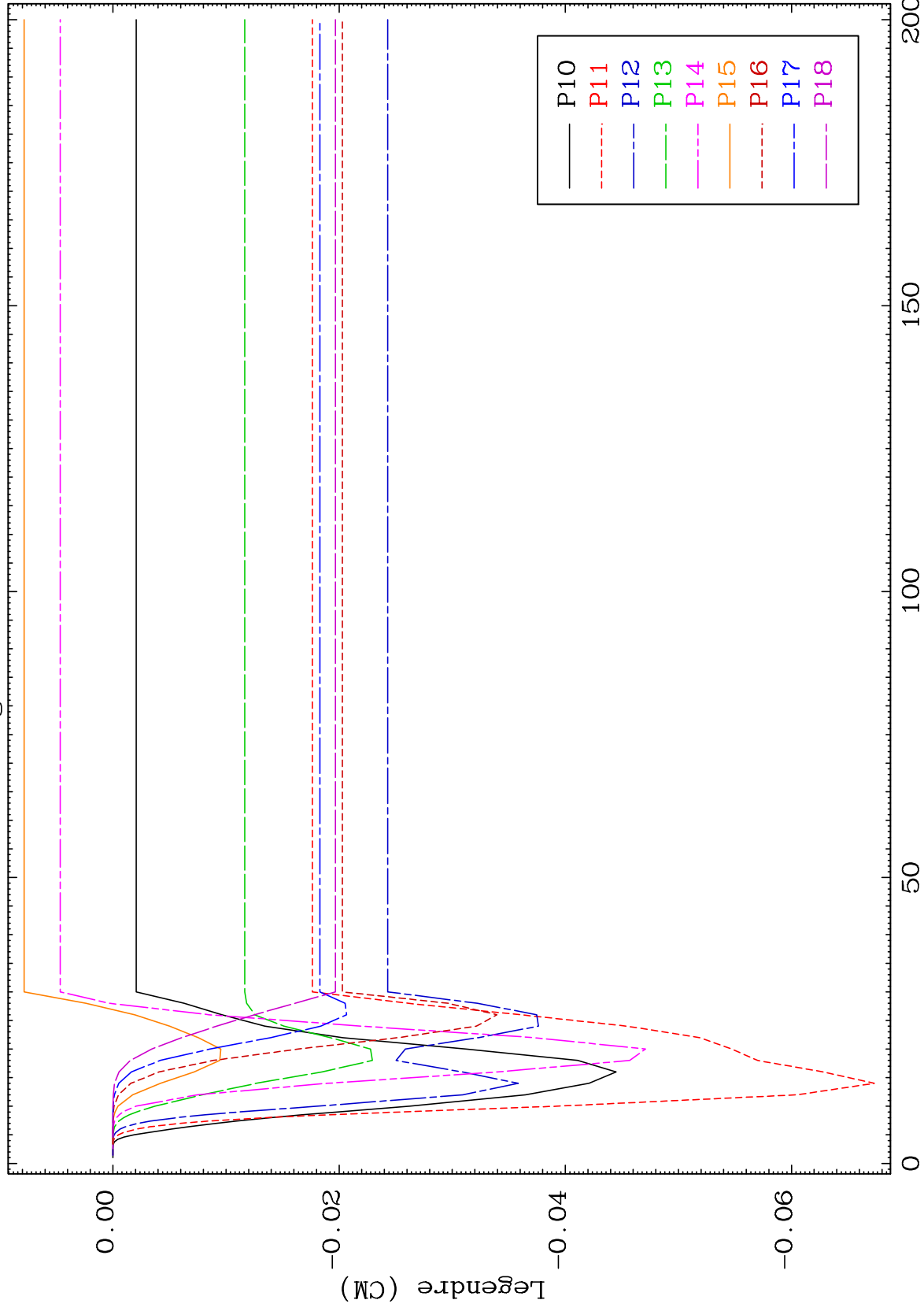
Incident Energy (MeV)

53-I -120

MAT 5304

89.82 keV (n,n') Level  
Legendre Coefficients

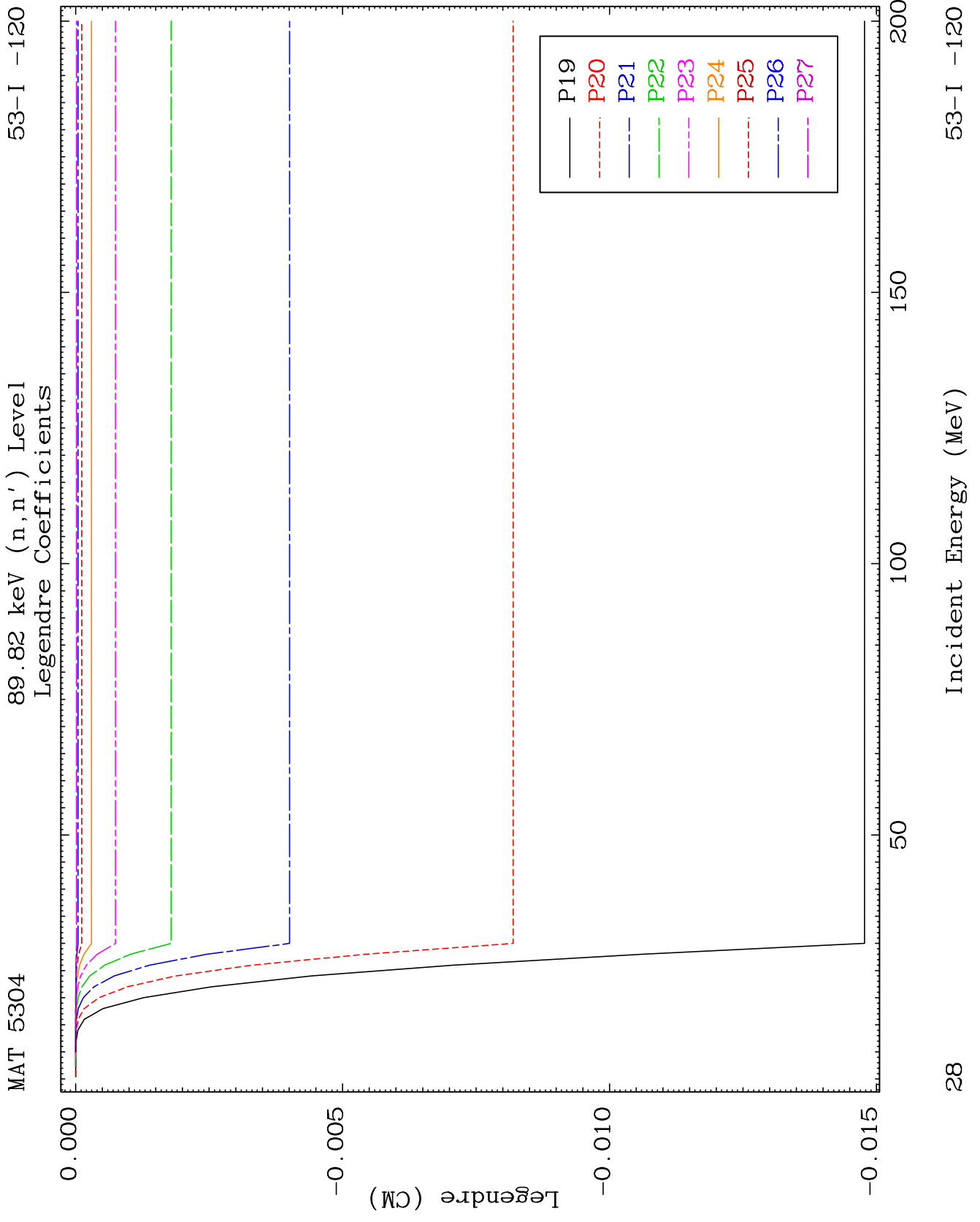
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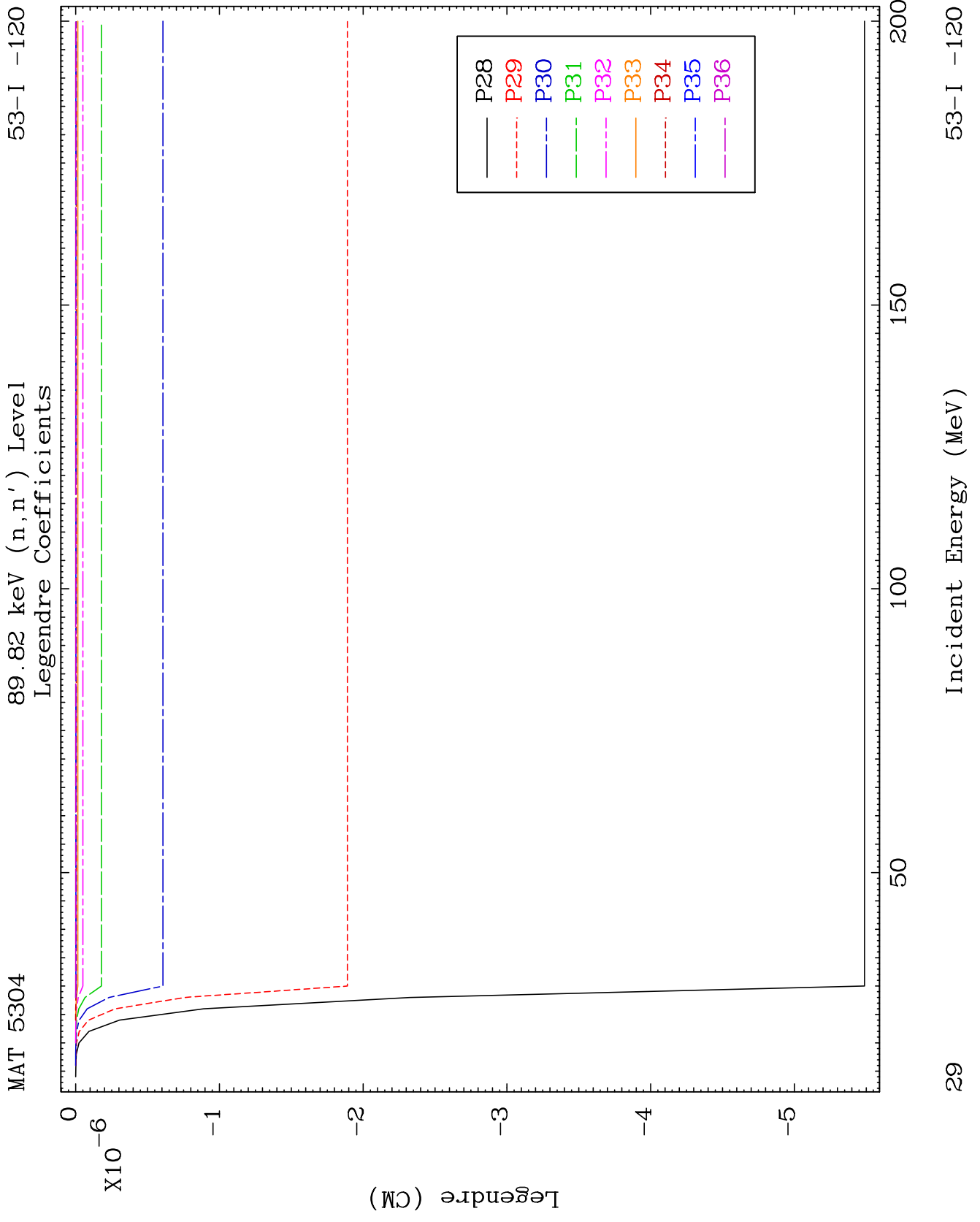


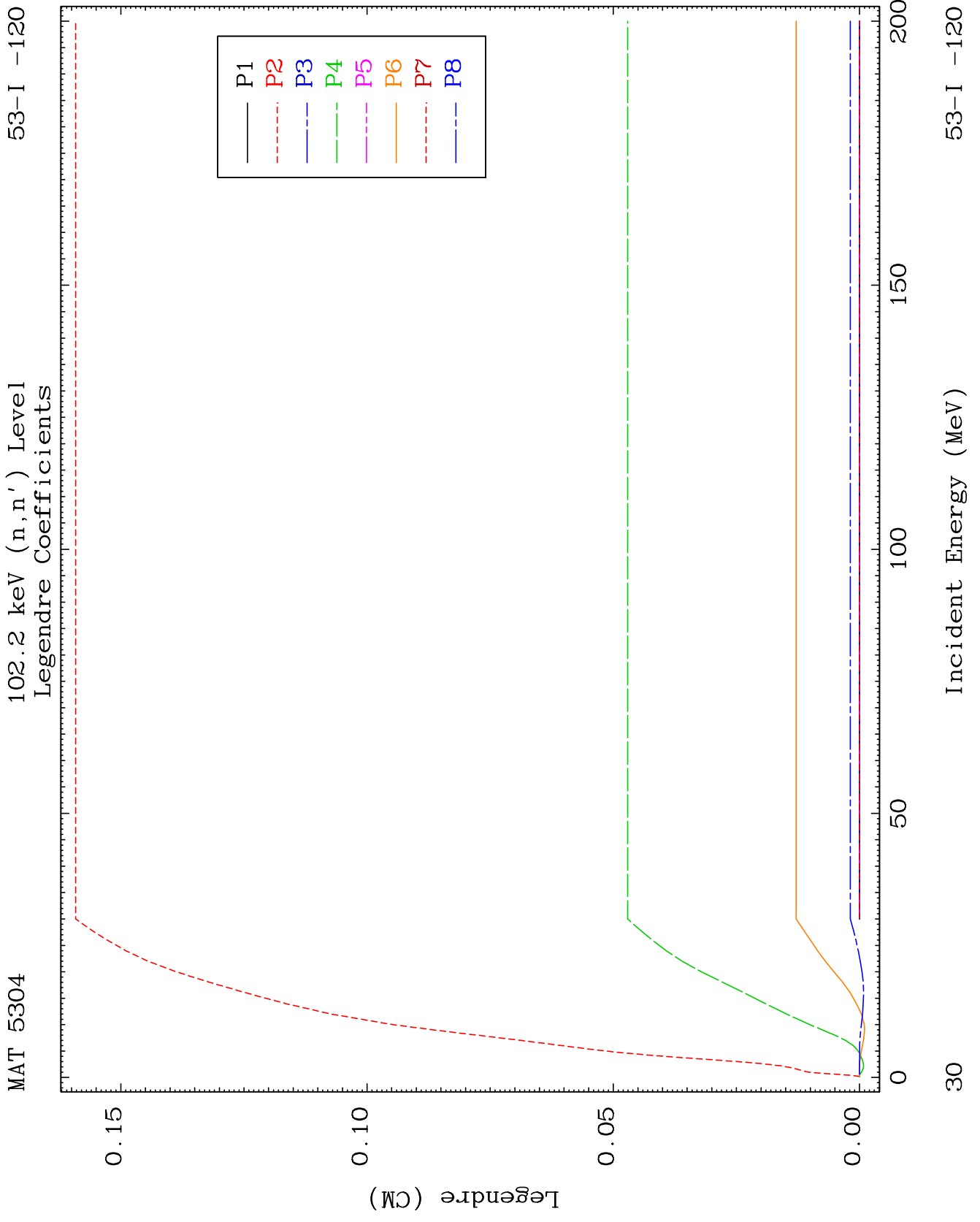
27

Incident Energy (MeV)

53-I -120



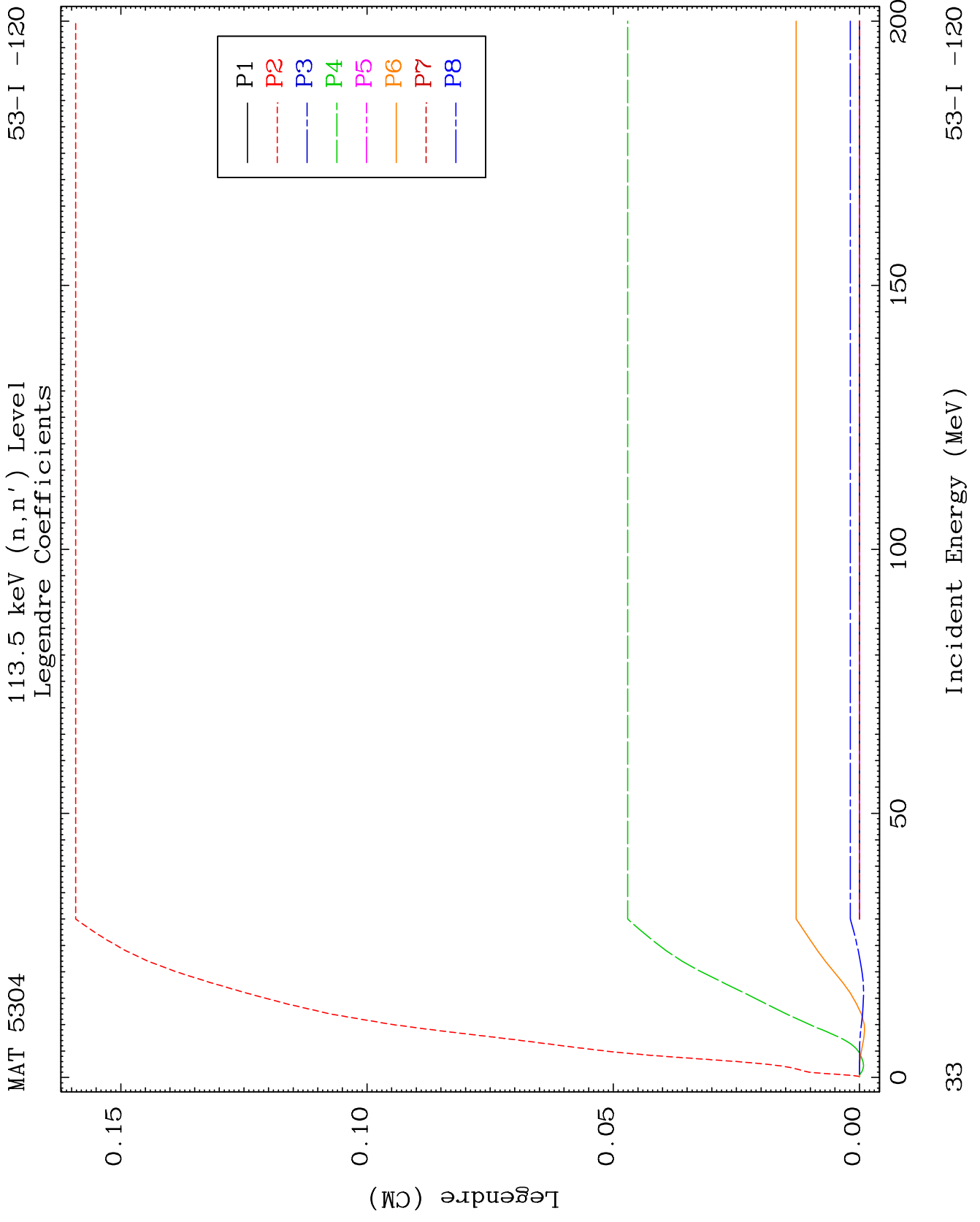


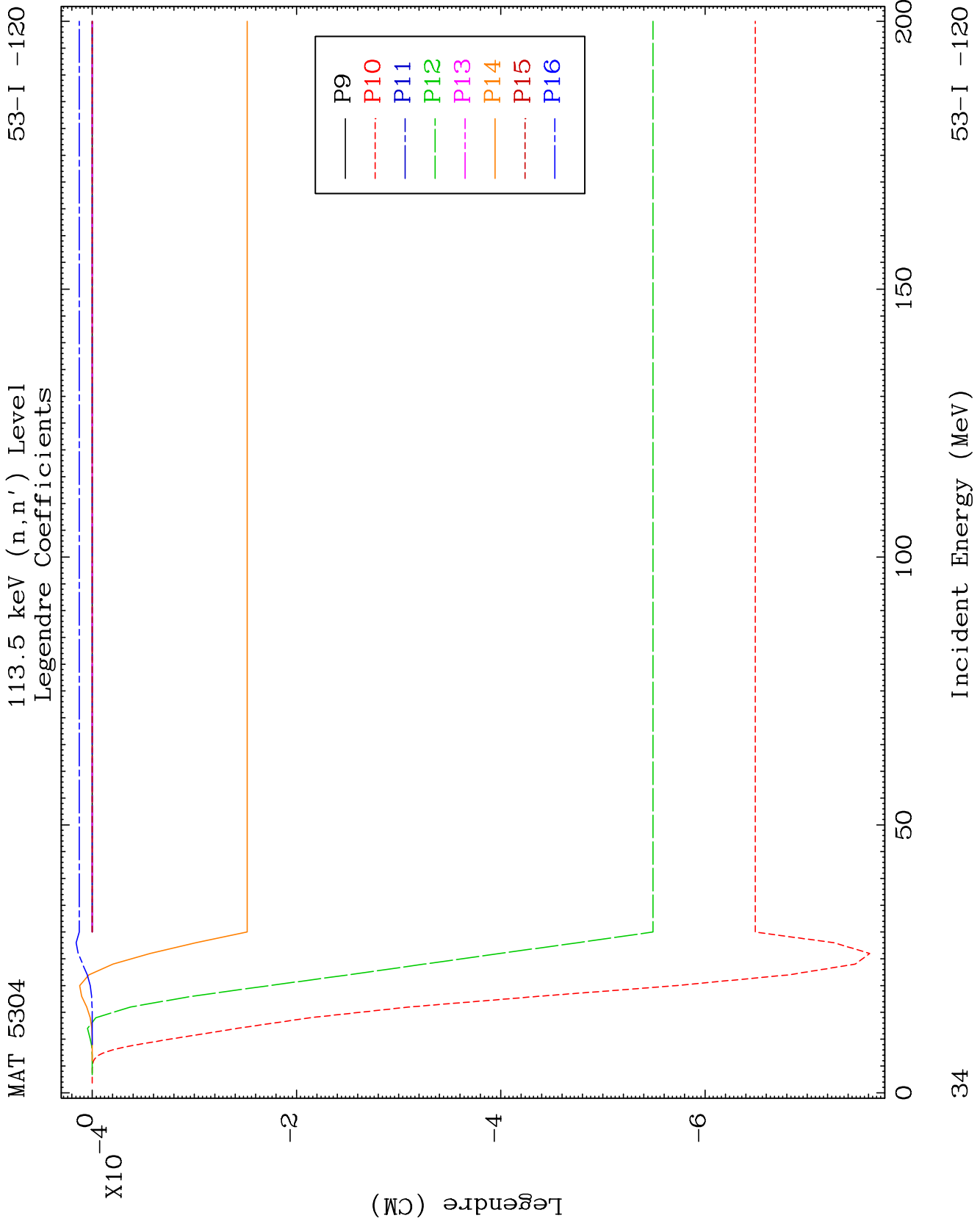




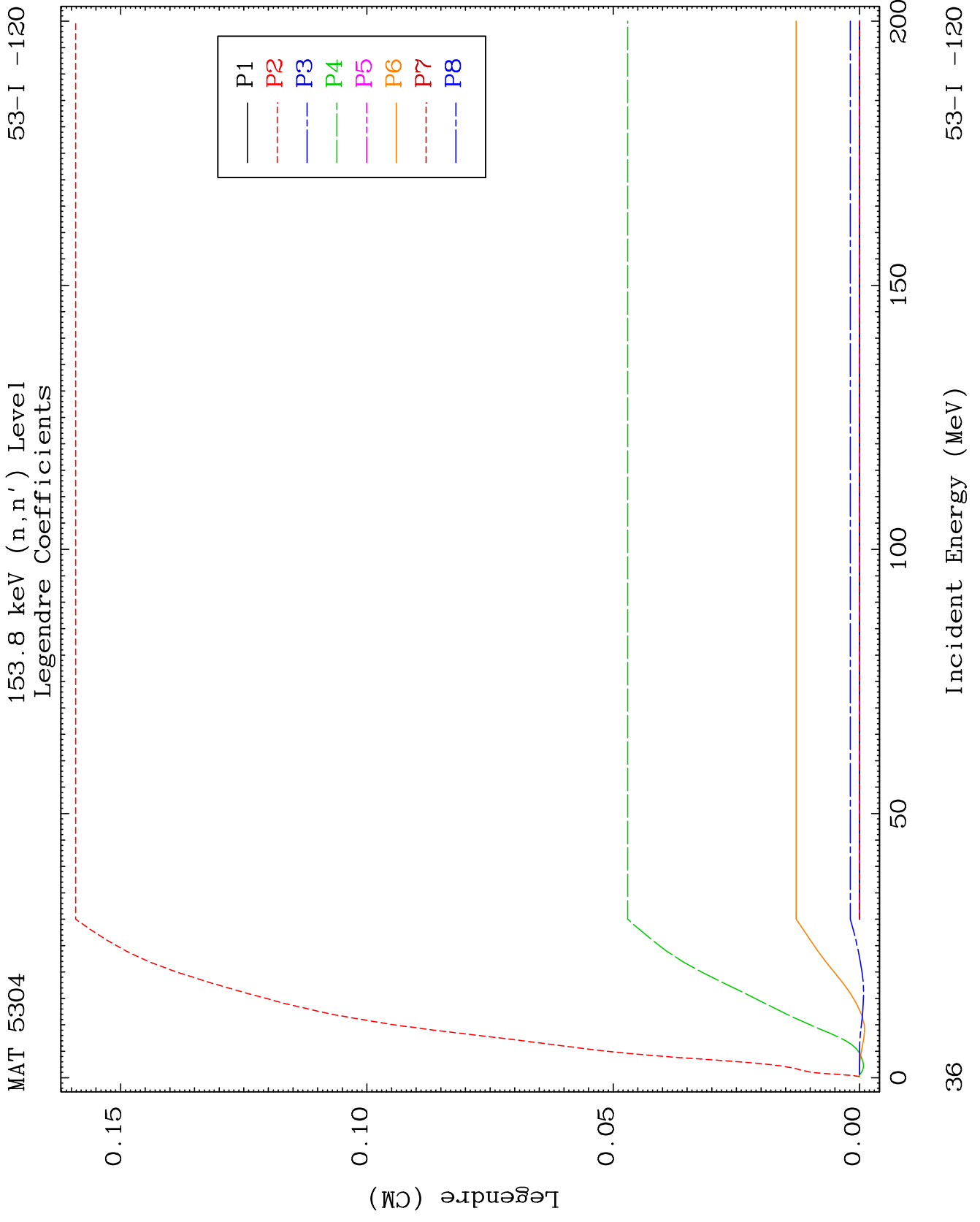


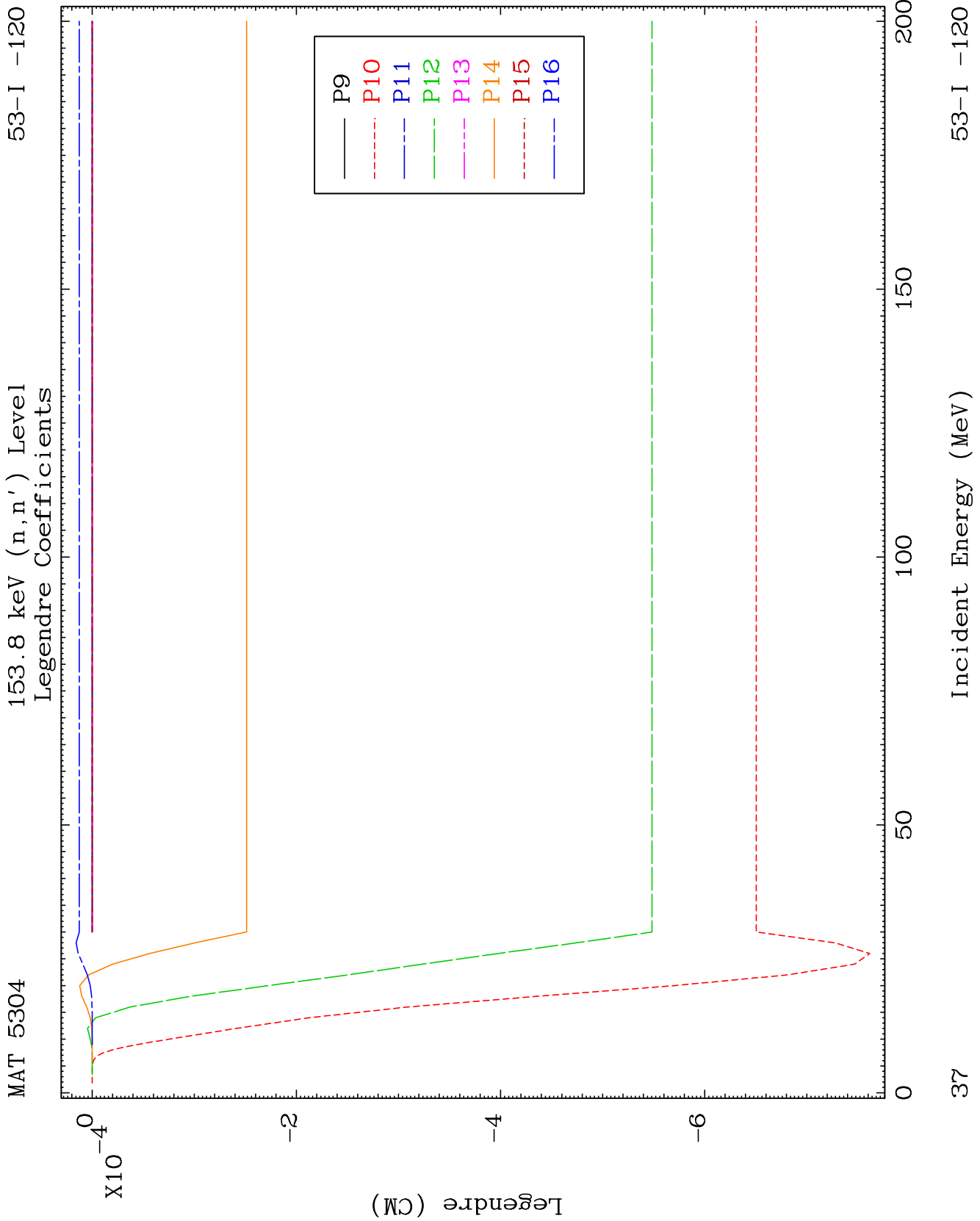


















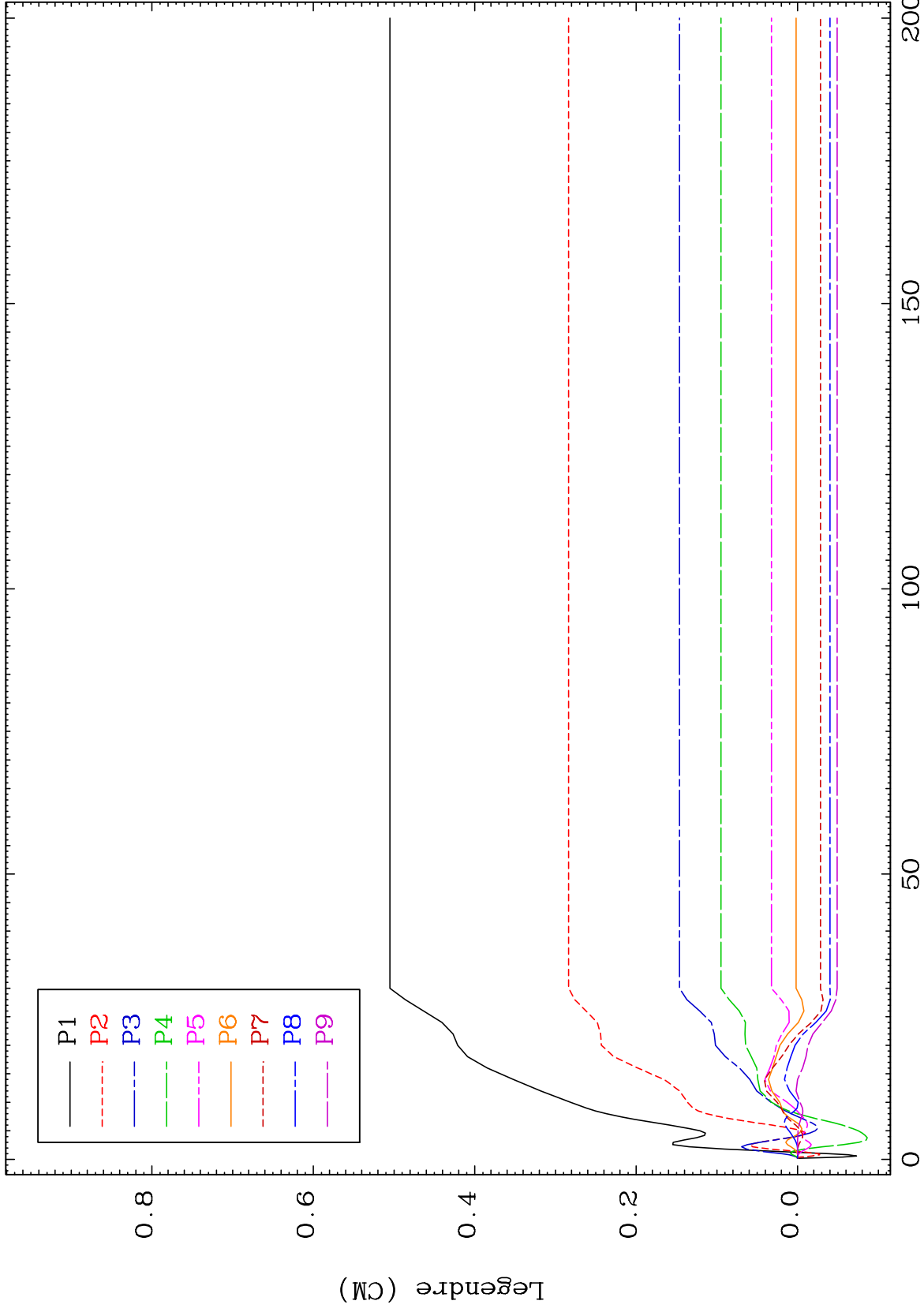




MAT 5304

171.9 keV (n,n') Level  
Legendre Coefficients

53-I -120



42

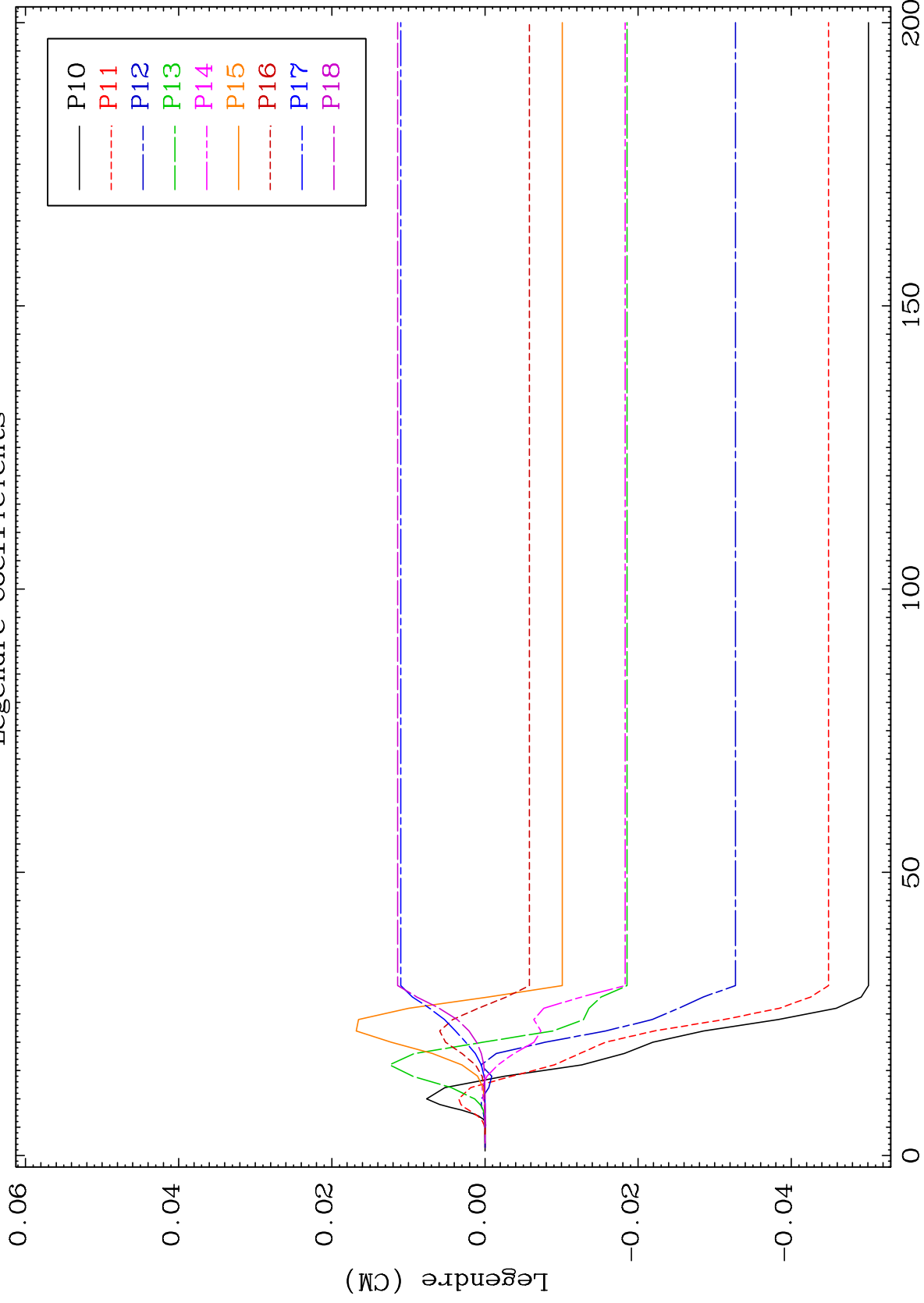
Incident Energy (MeV)

53-I -120

MAT 5304

171.9 keV (n,n') Level  
Legendre Coefficients

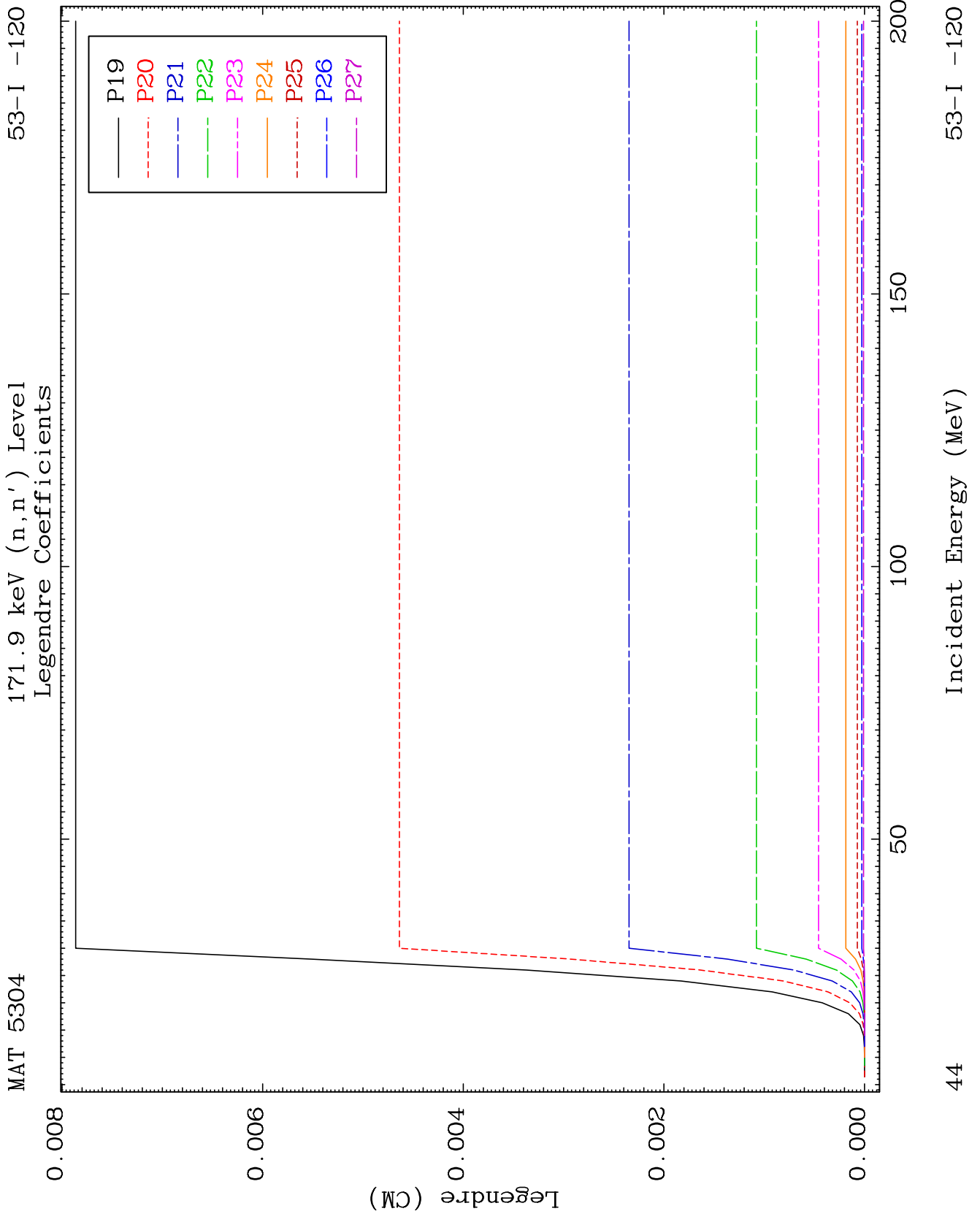
53-I -120



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Incident Energy (MeV)

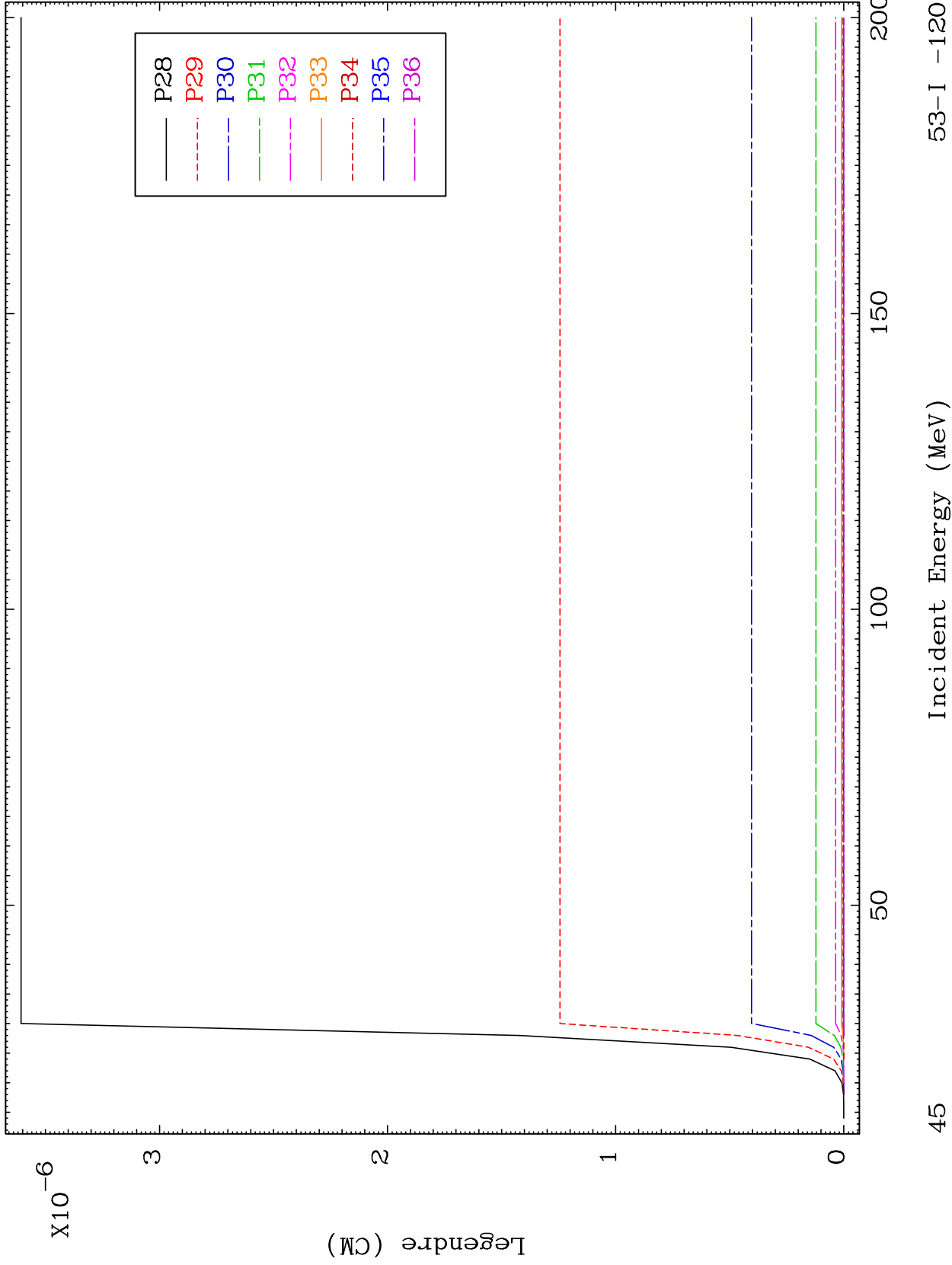
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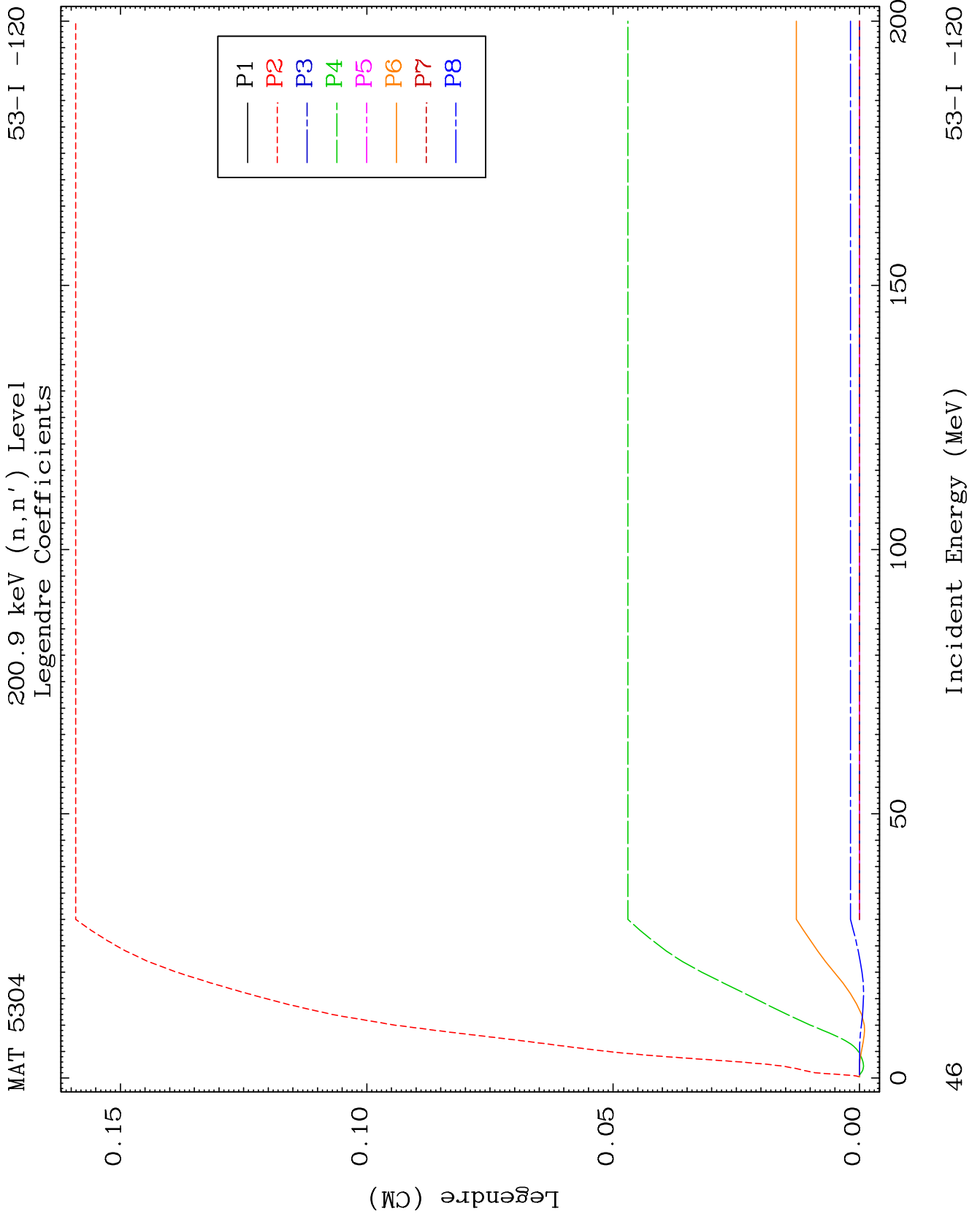


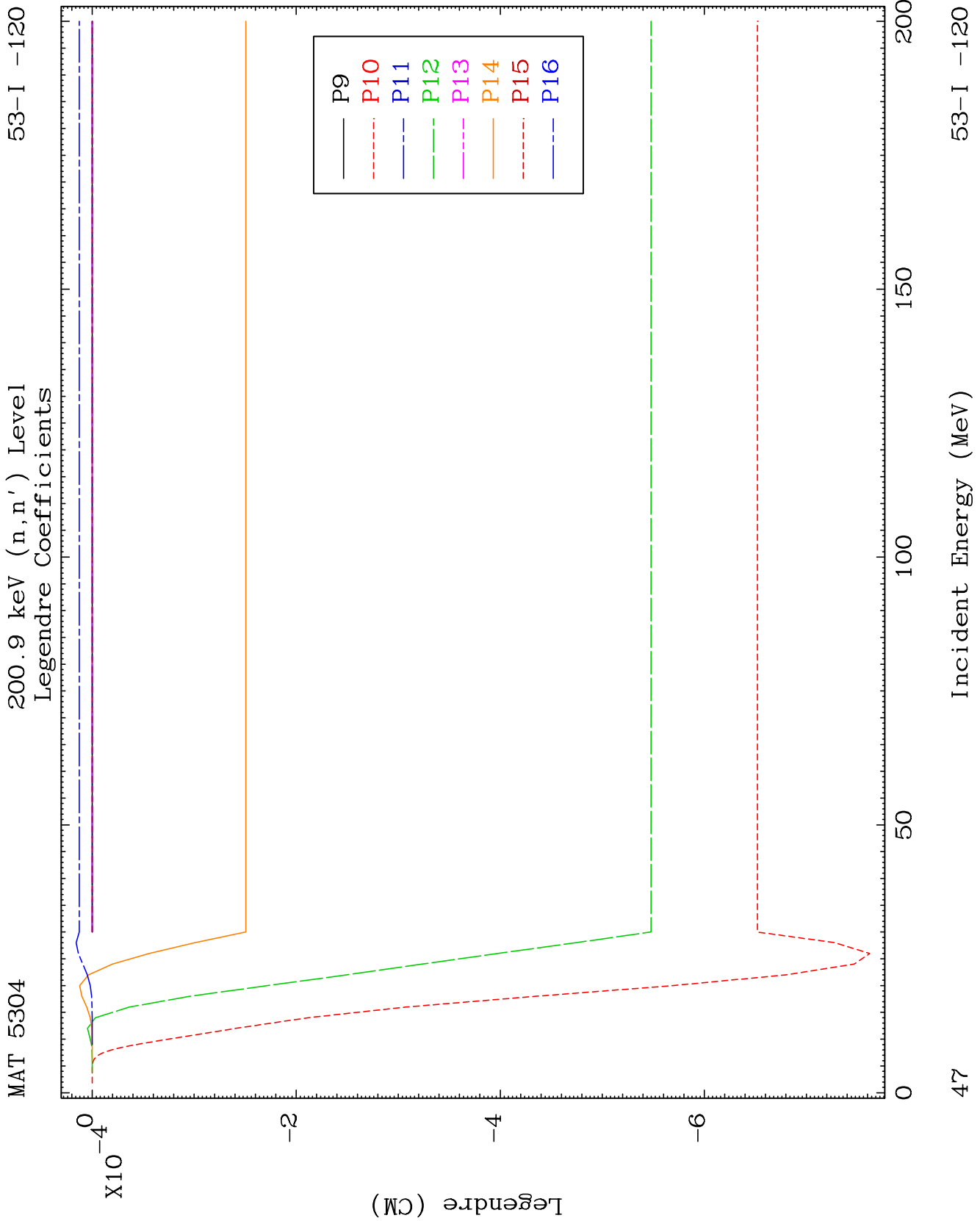
MAT 5304

171.9 keV (n,n') Level  
Legendre Coefficients

53-I -120

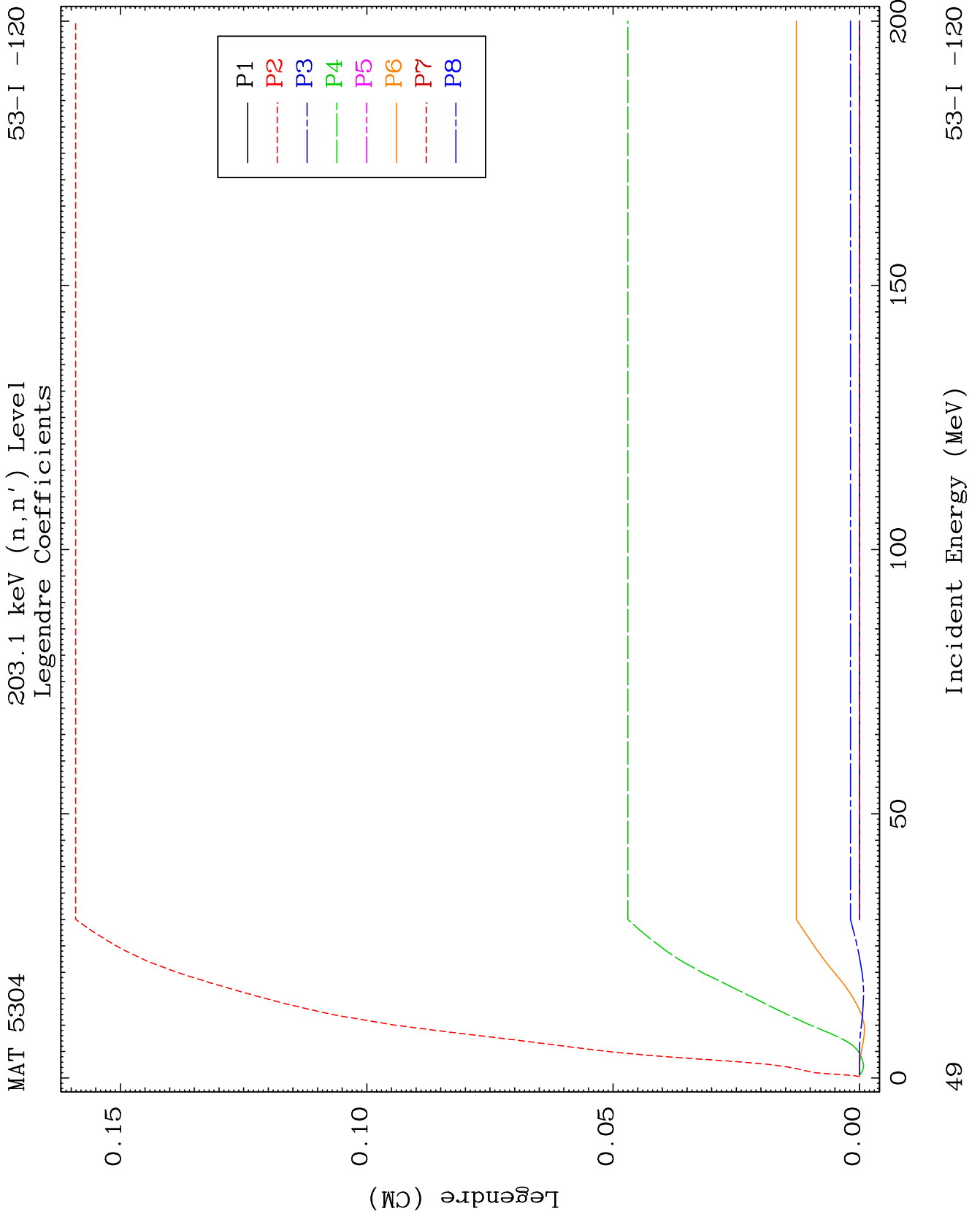


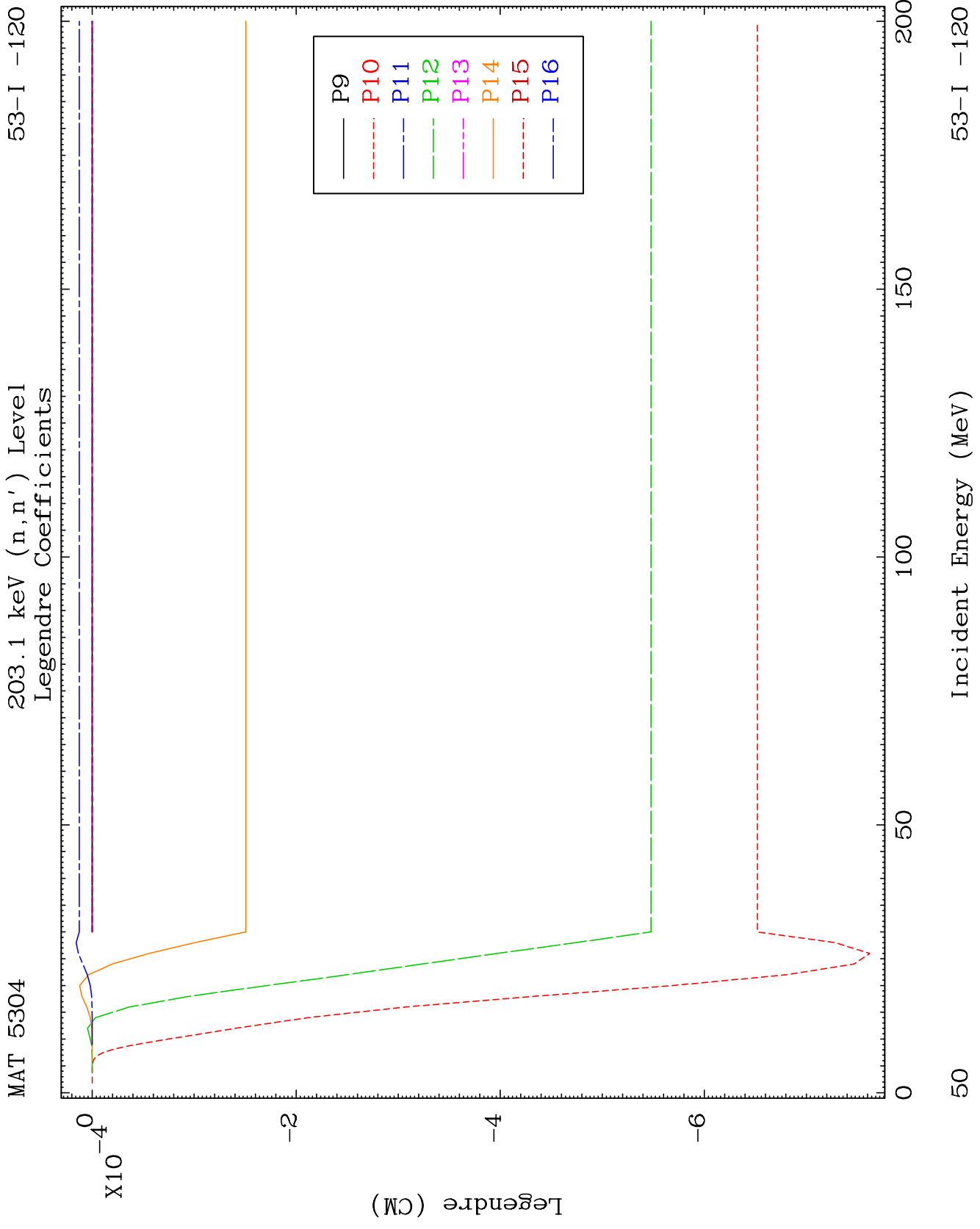




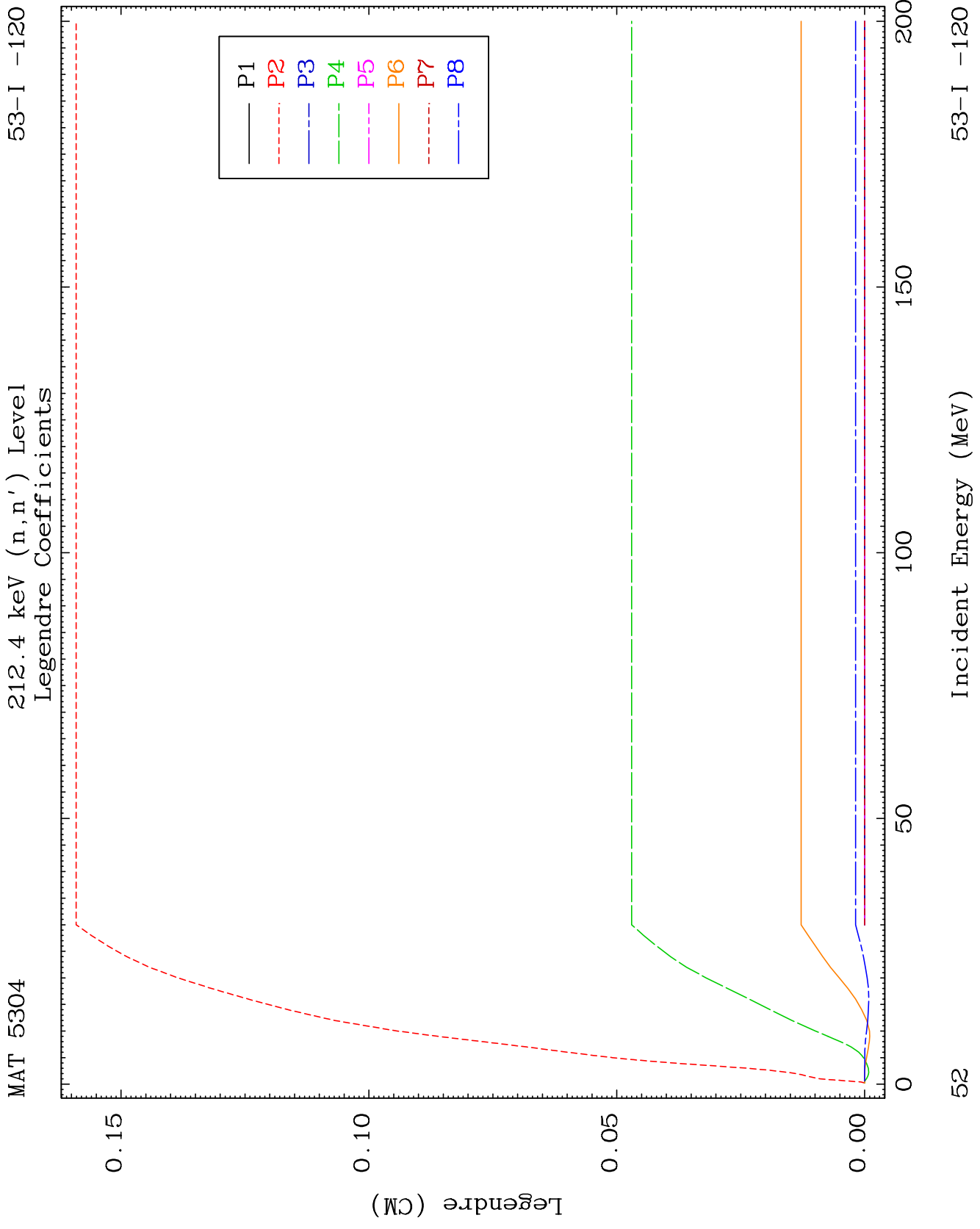


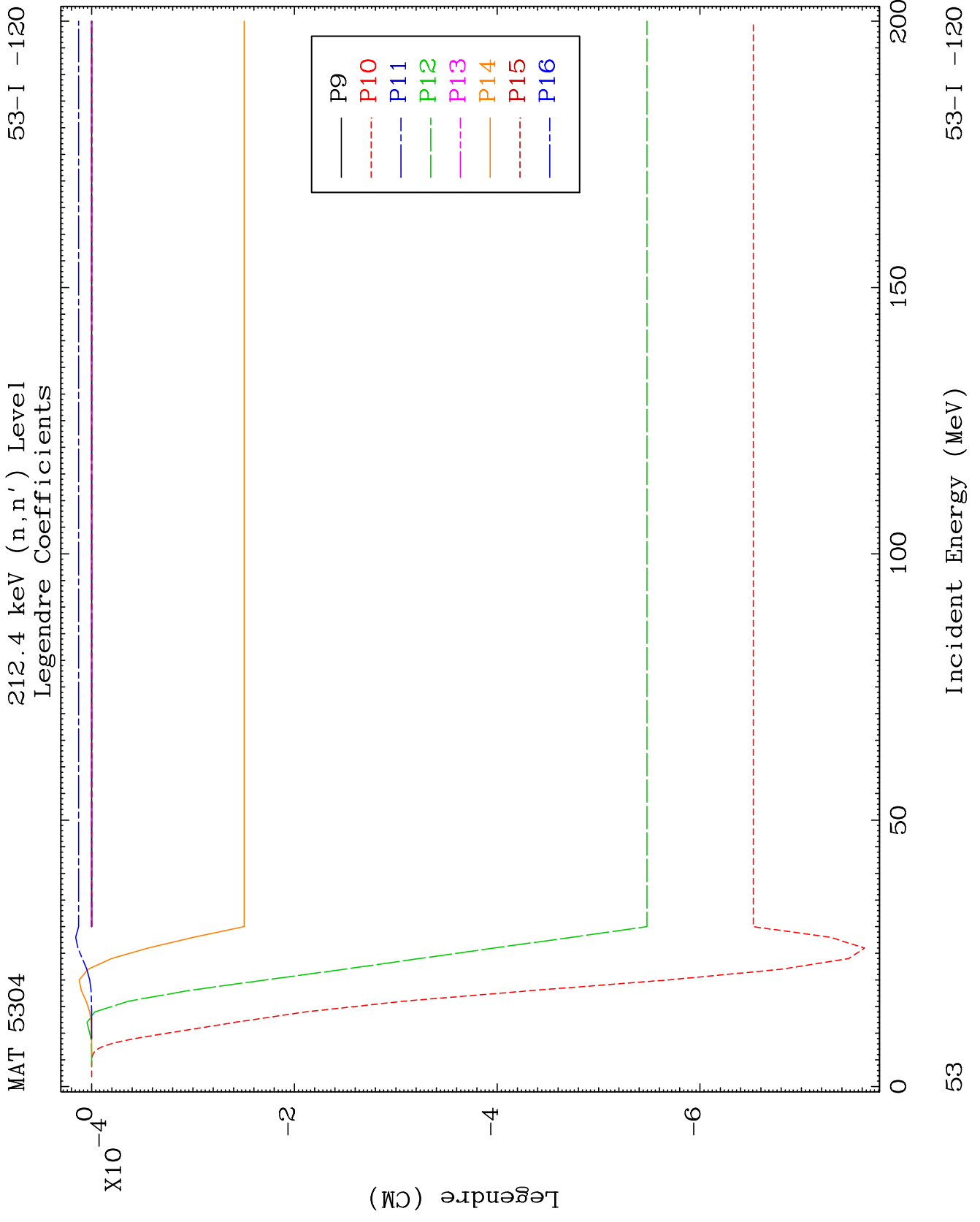


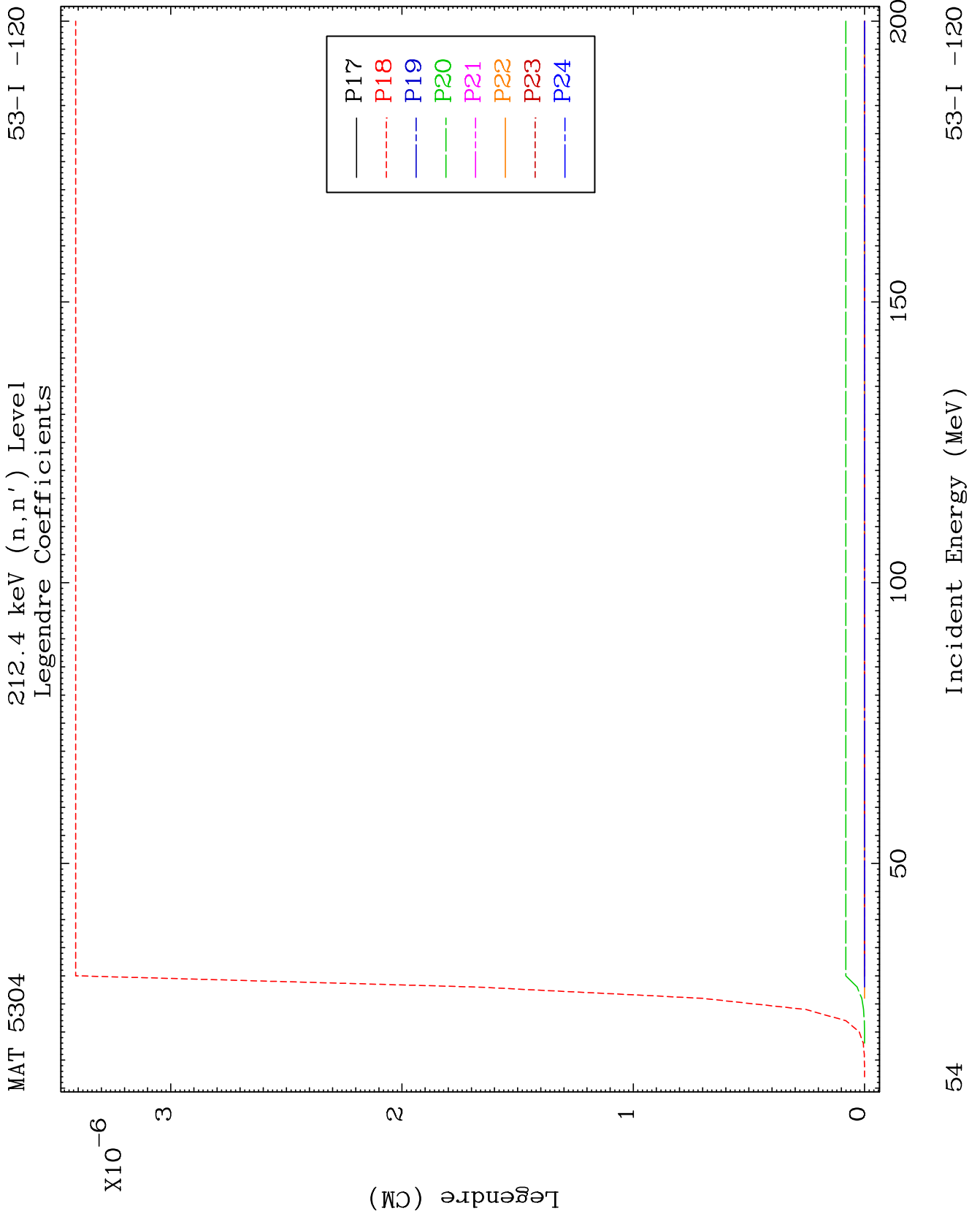


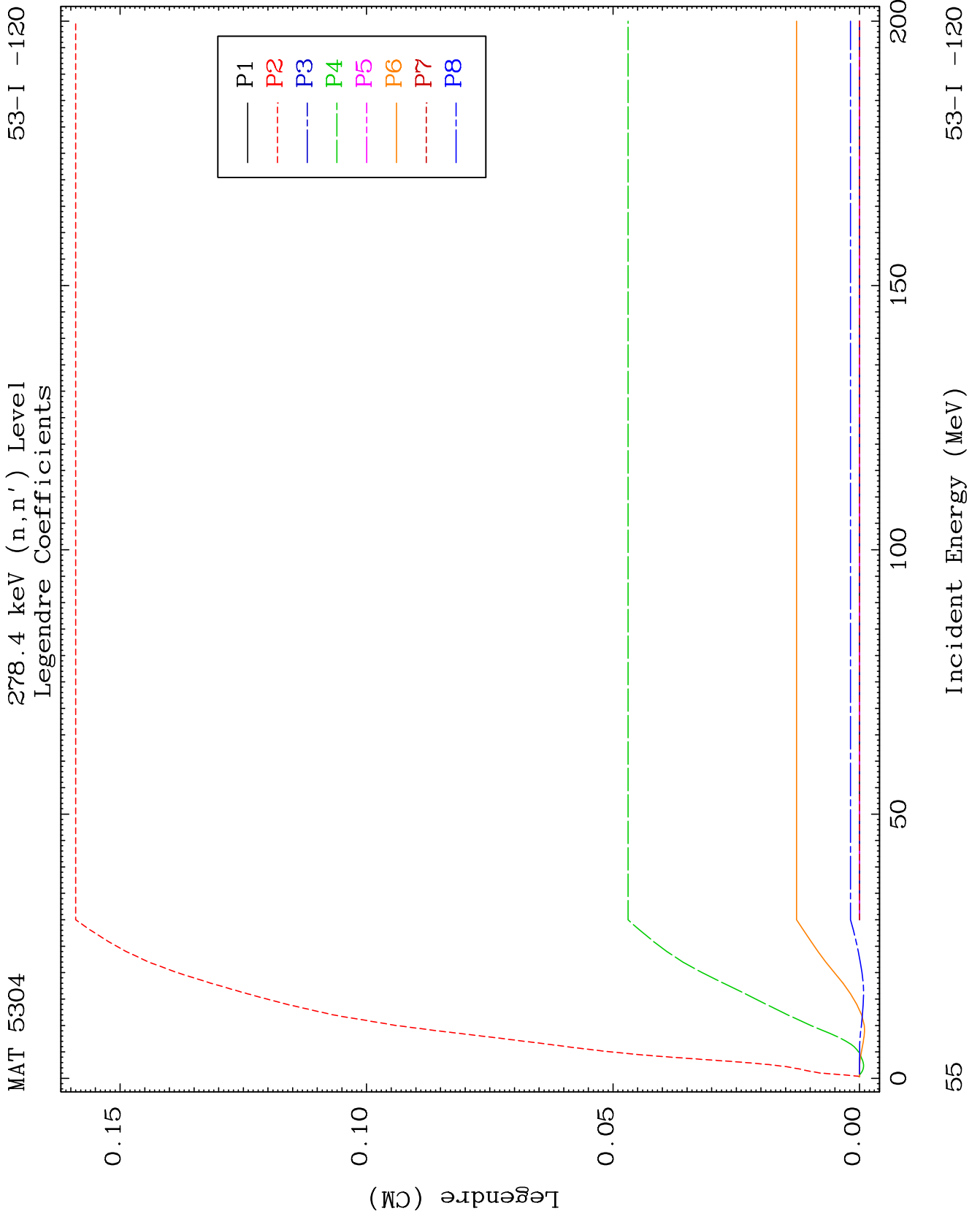




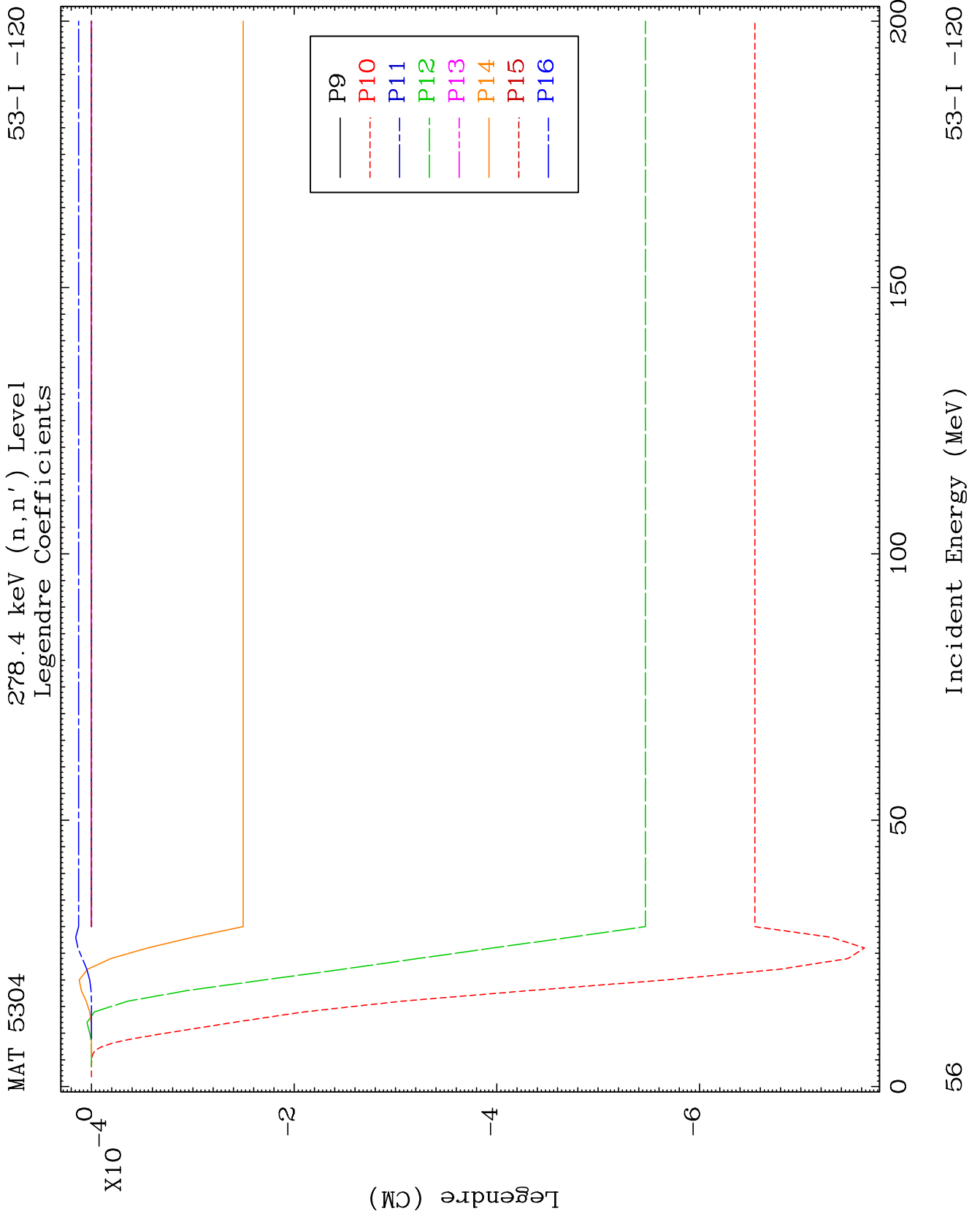










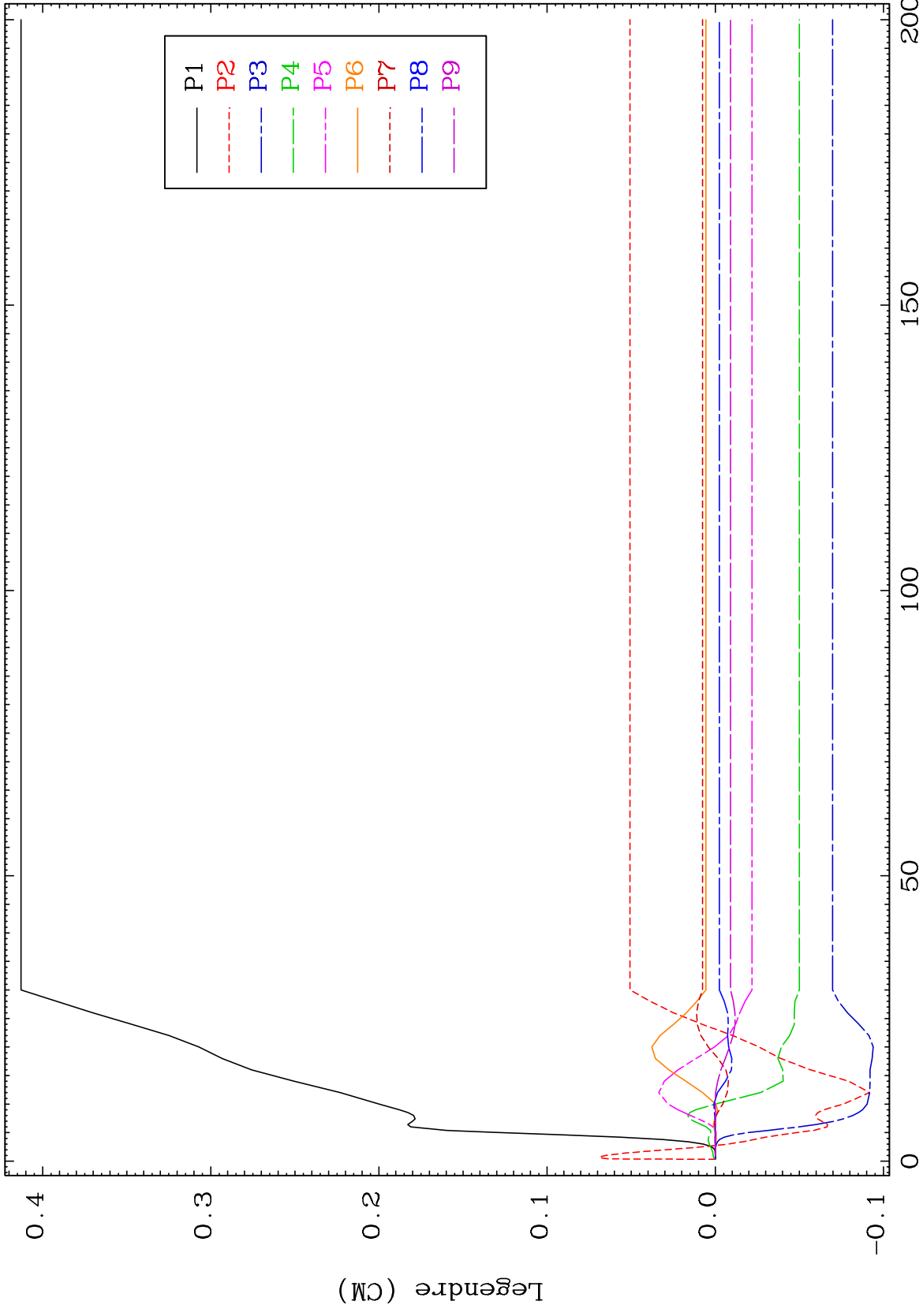




MAT 5304

320.0 keV (n,n') Level  
Legendre Coefficients

53-I -120



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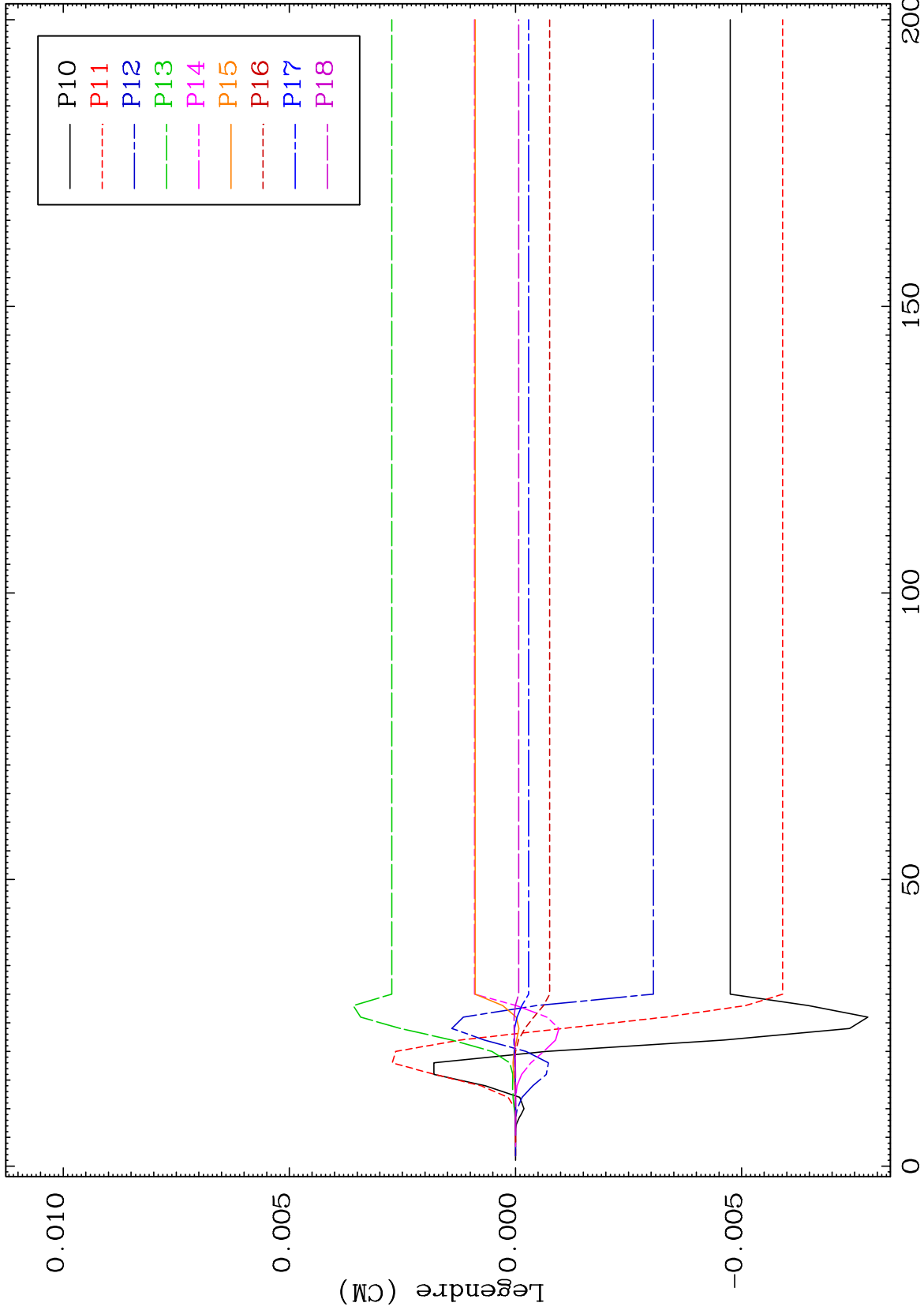
Incident Energy (MeV)

53-I -120

MAT 5304

320.0 keV (n,n') Level  
Legendre Coefficients

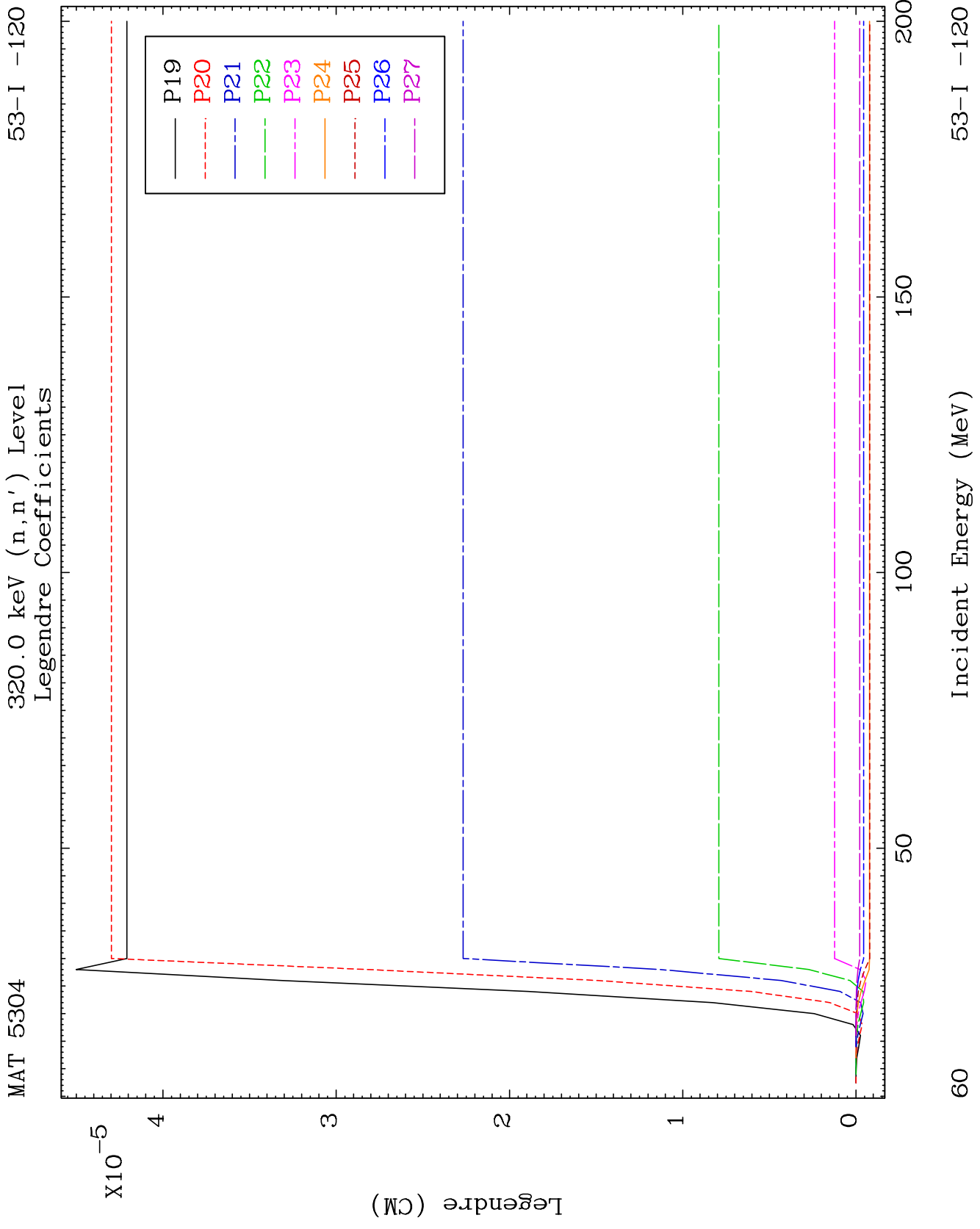
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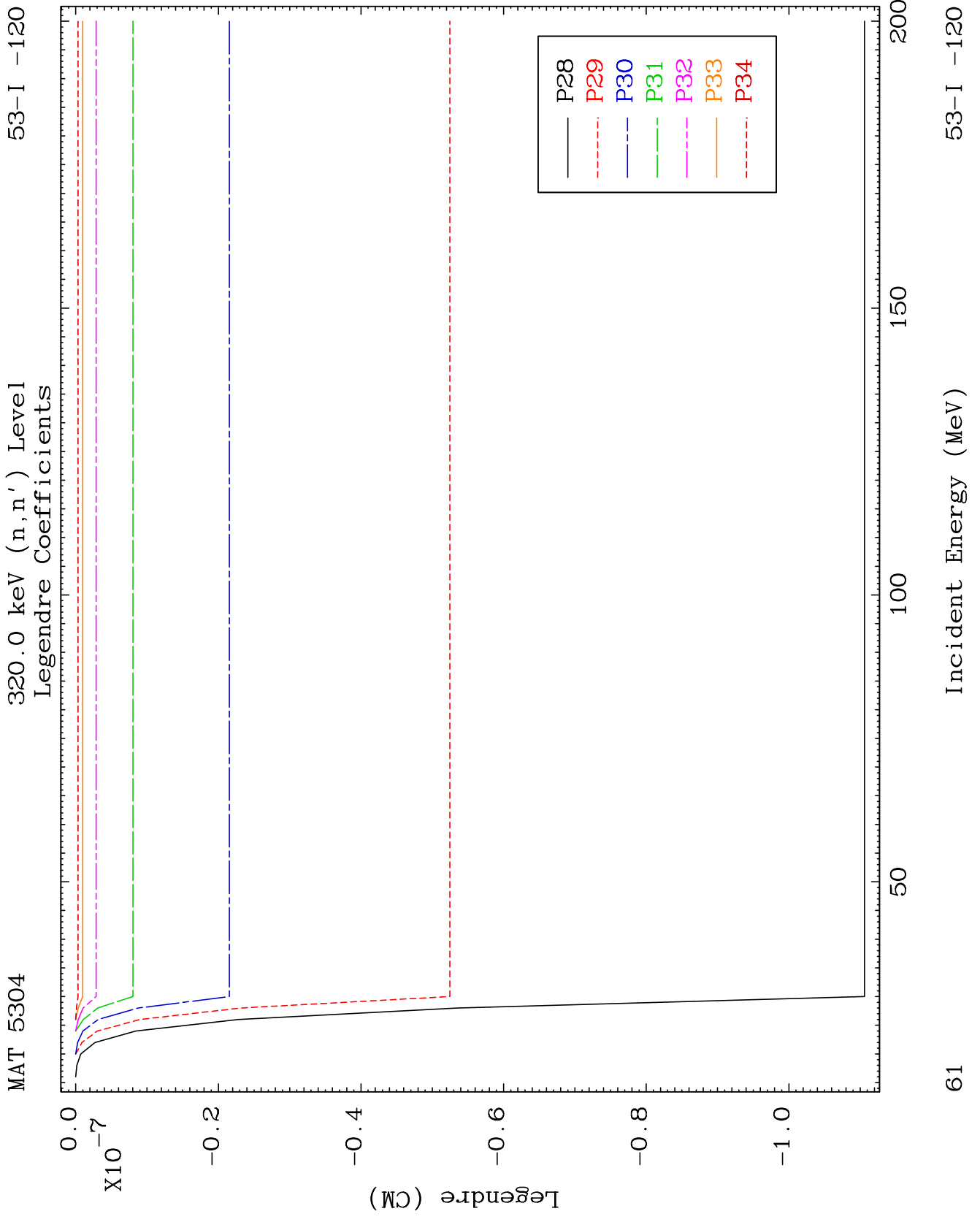


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Incident Energy (MeV)

53-I -120

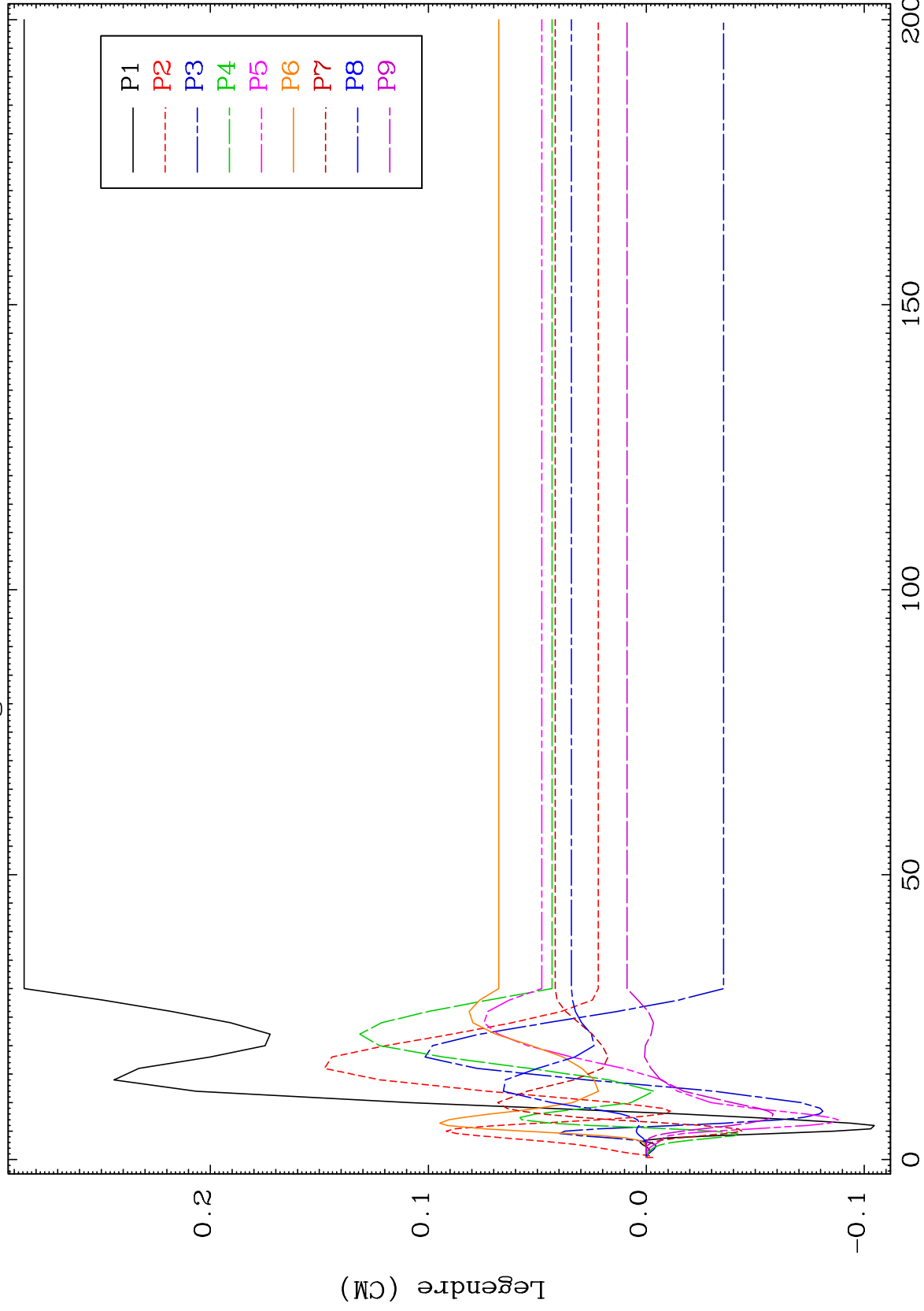




MAT 5304

334.6 keV (n,n') Level  
Legendre Coefficients

53-I -120



62

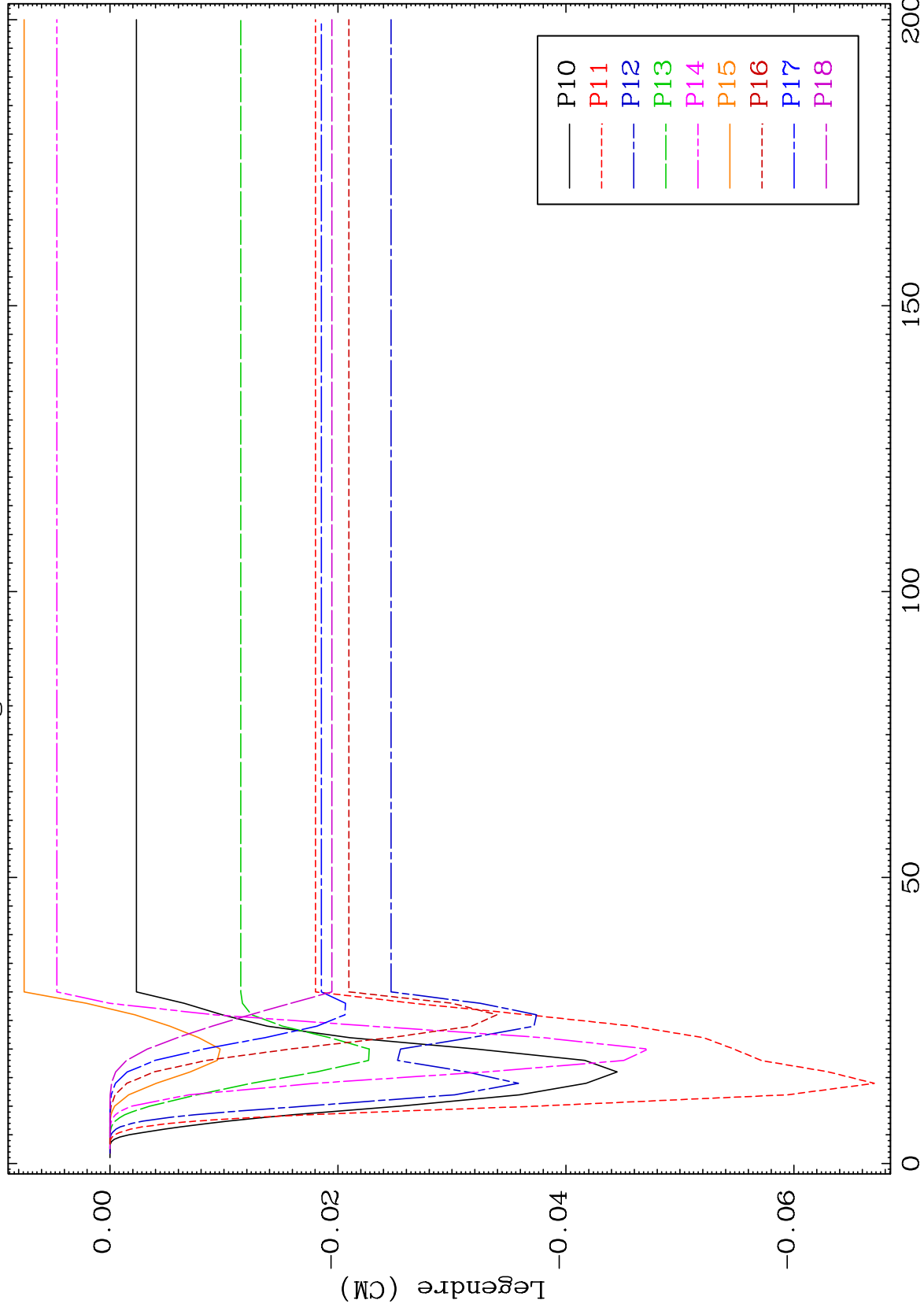
Incident Energy (MeV)

53-I -120

MAT 5304

334.6 keV (n,n') Level  
Legendre Coefficients

53-I -120



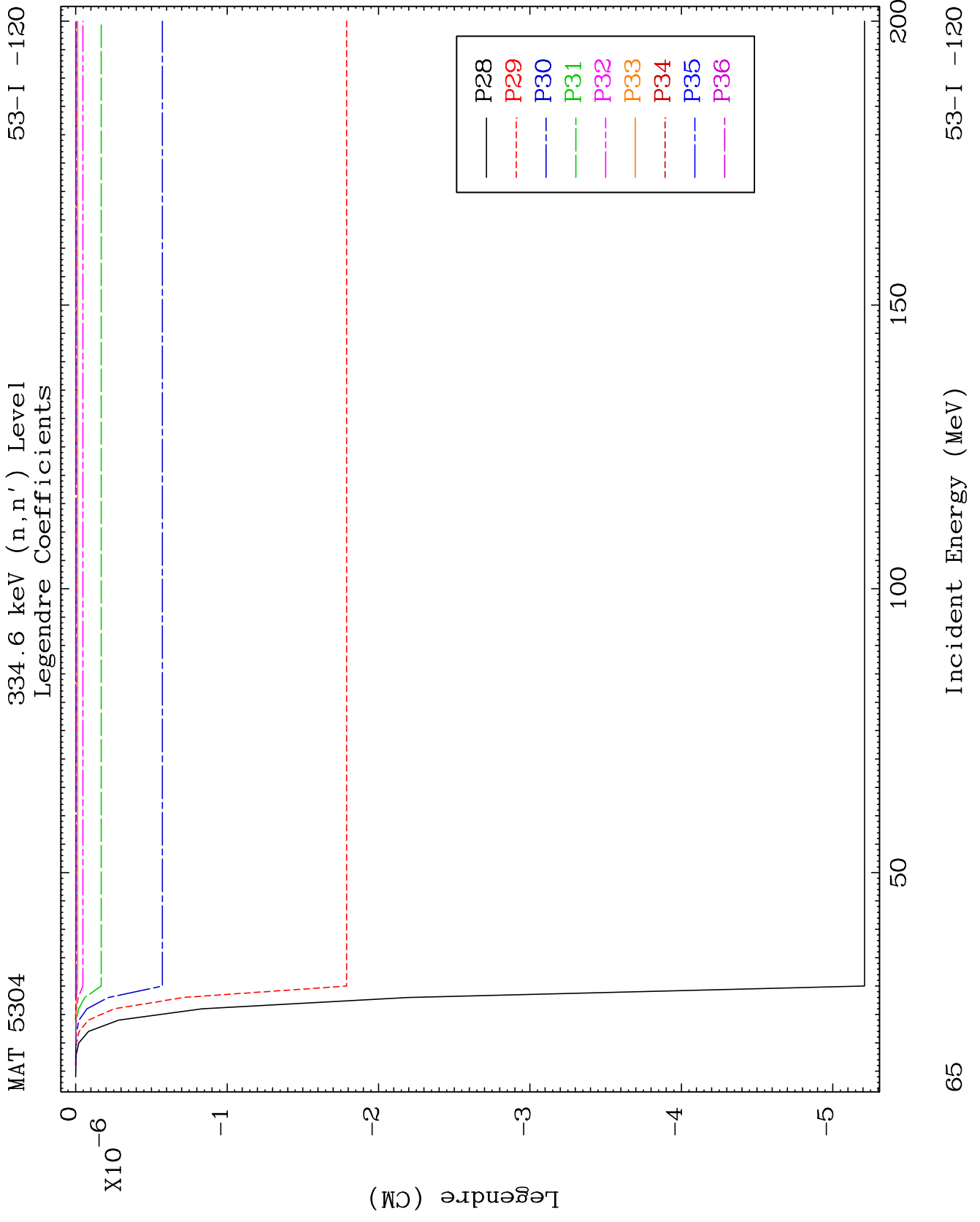
63

Incident Energy (MeV)

53-I -120



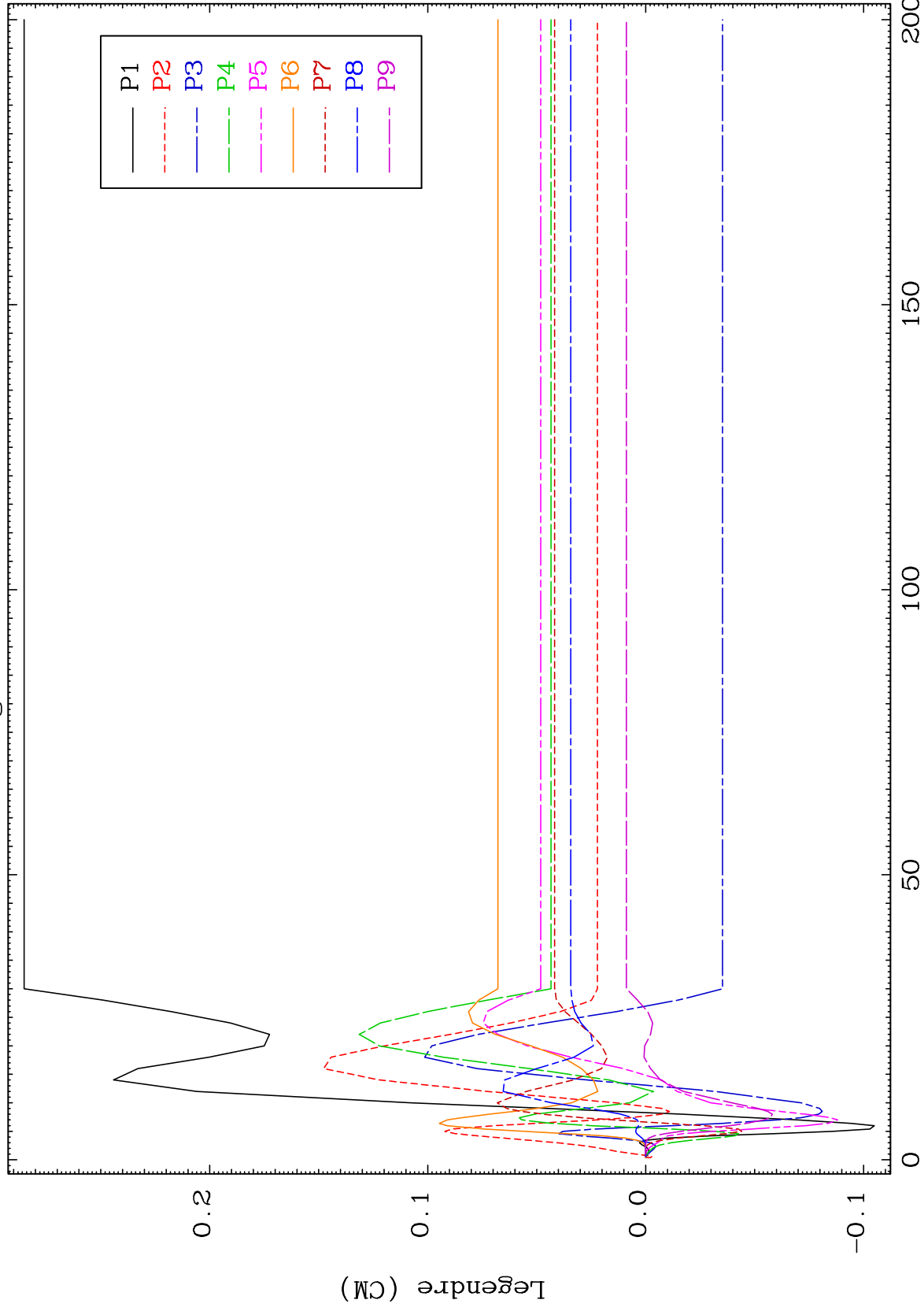




MAT 5304

369.3 keV (n,n') Level  
Legendre Coefficients

53-I -120



66

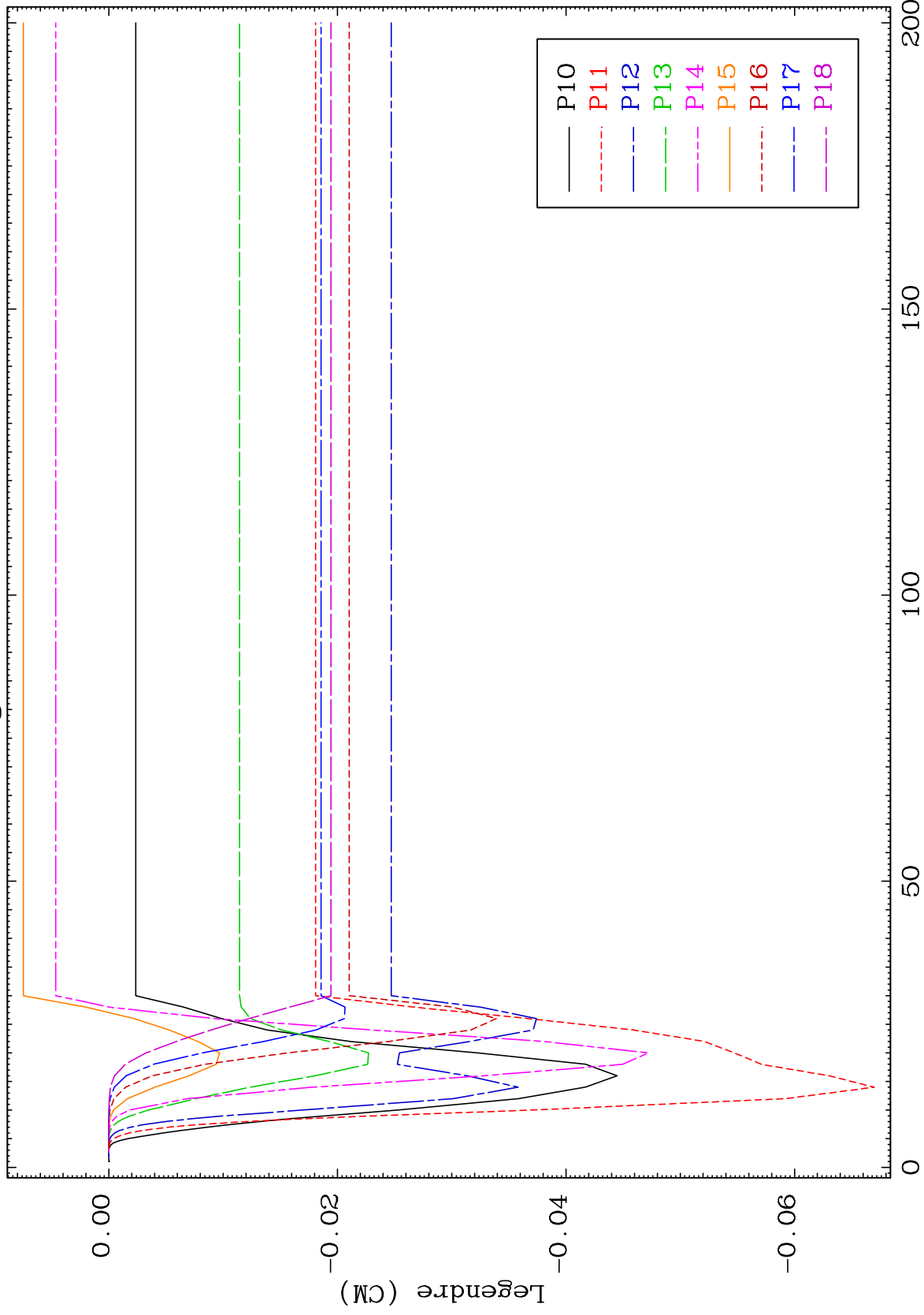
Incident Energy (MeV)

53-I -120

MAT 5304

369.3 keV (n,n') Level  
Legendre Coefficients

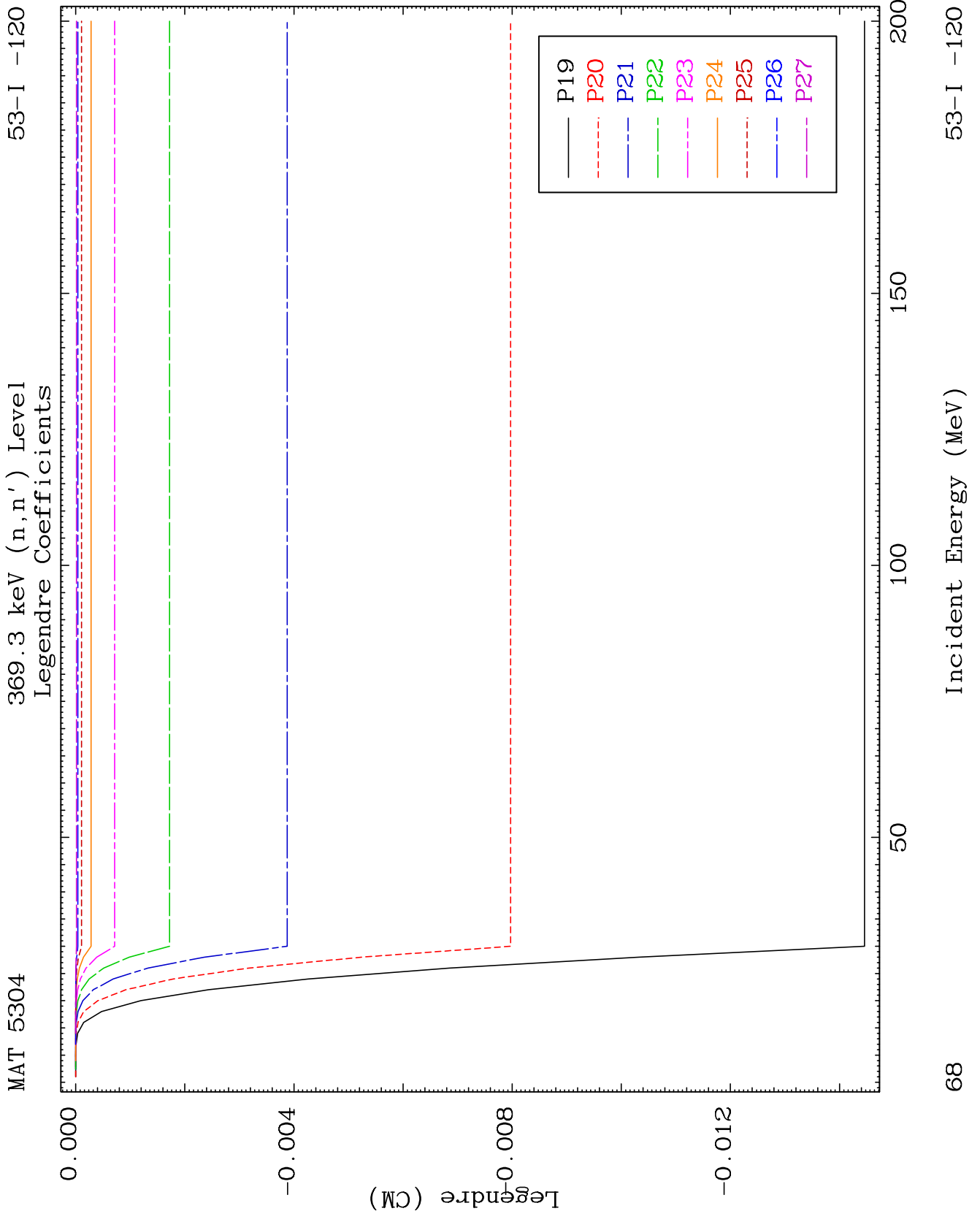
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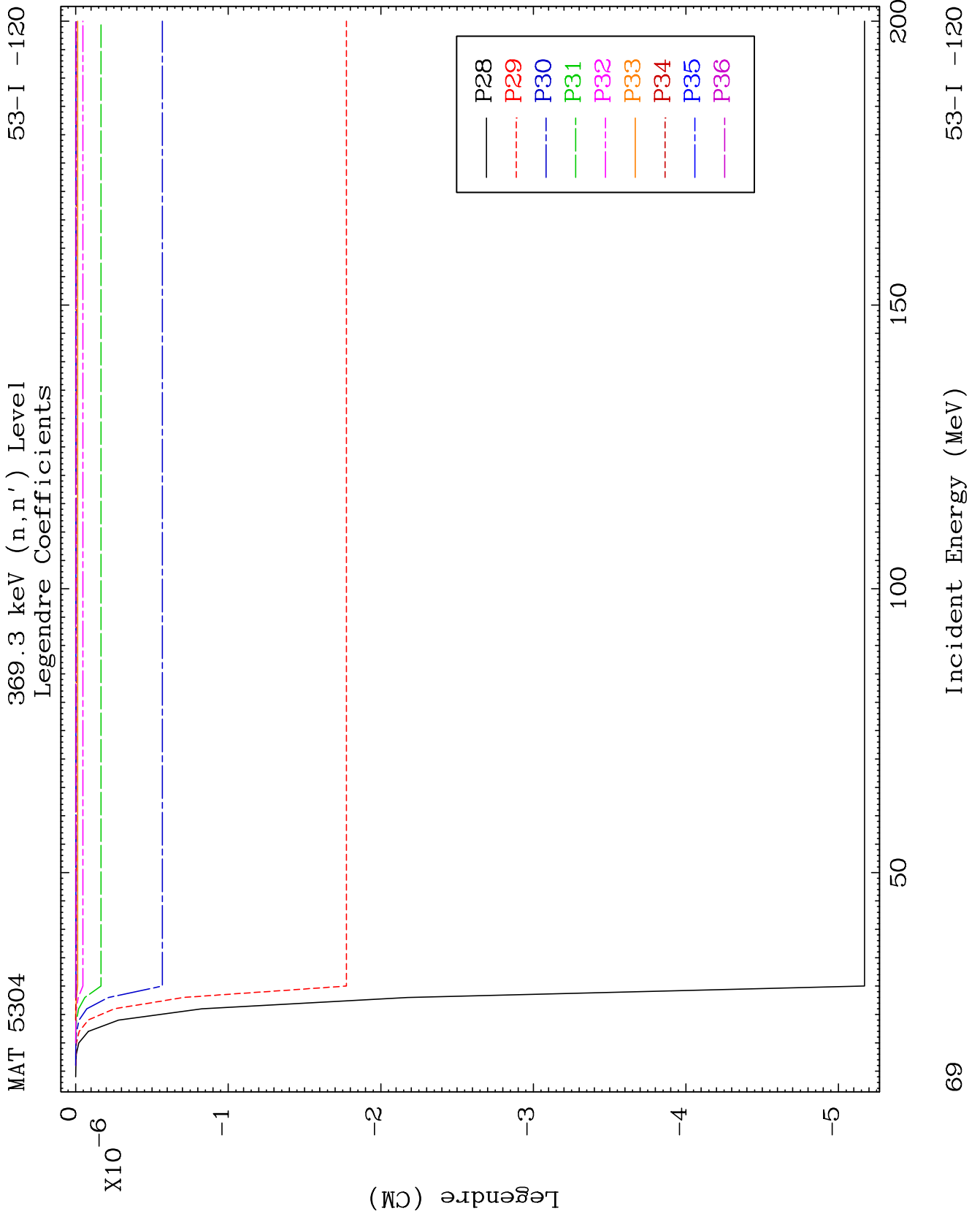


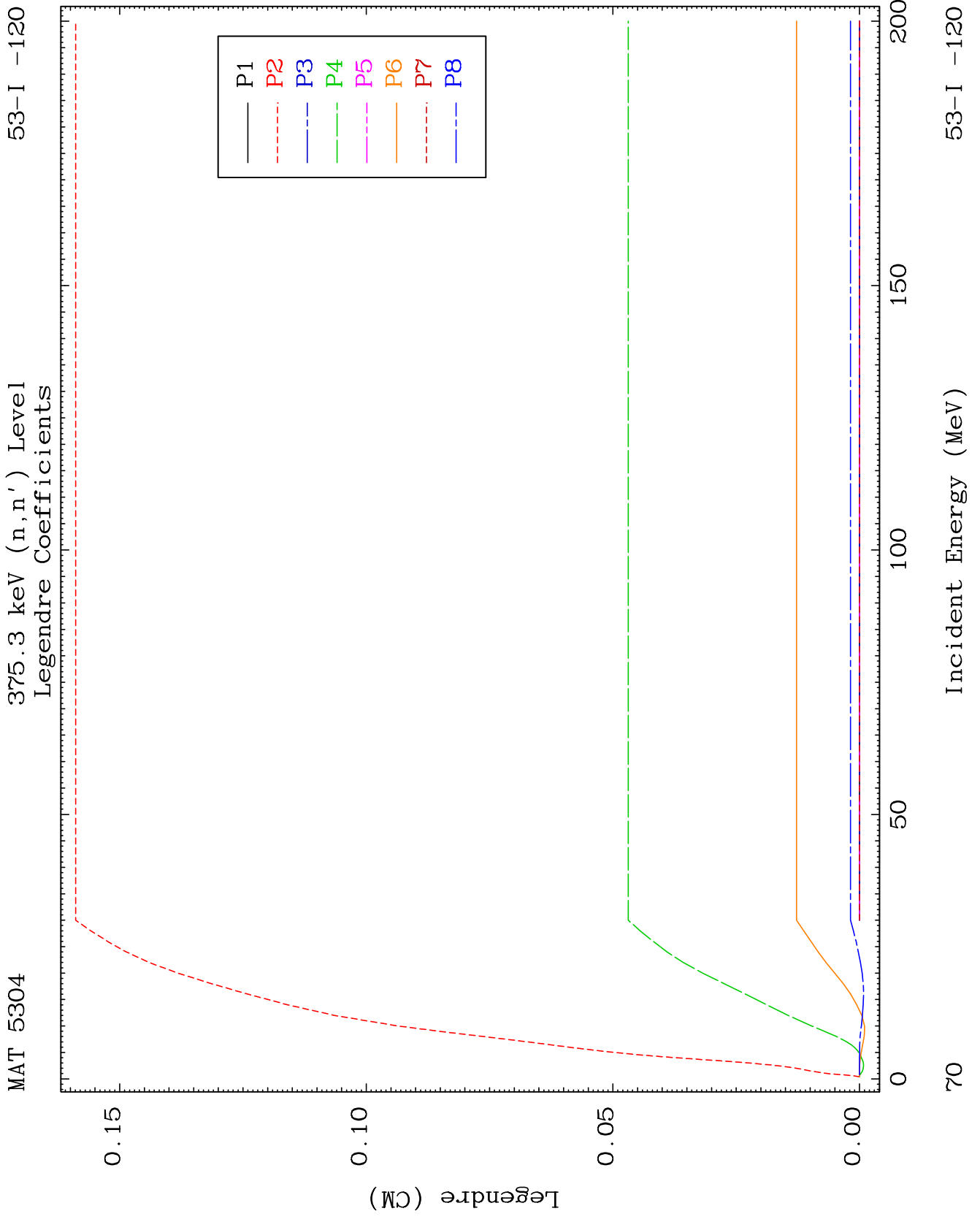
67

Incident Energy (MeV)

53-I -120

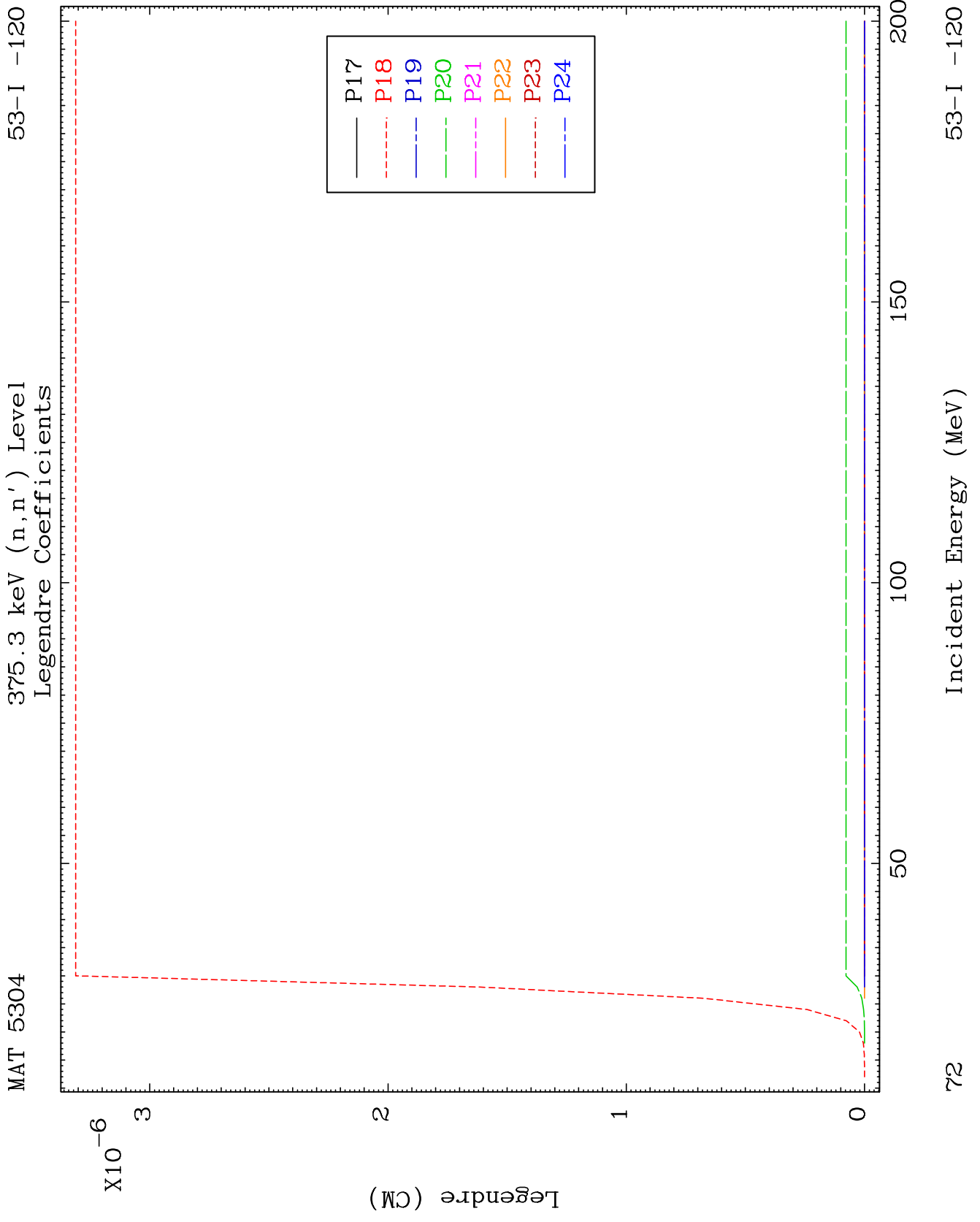








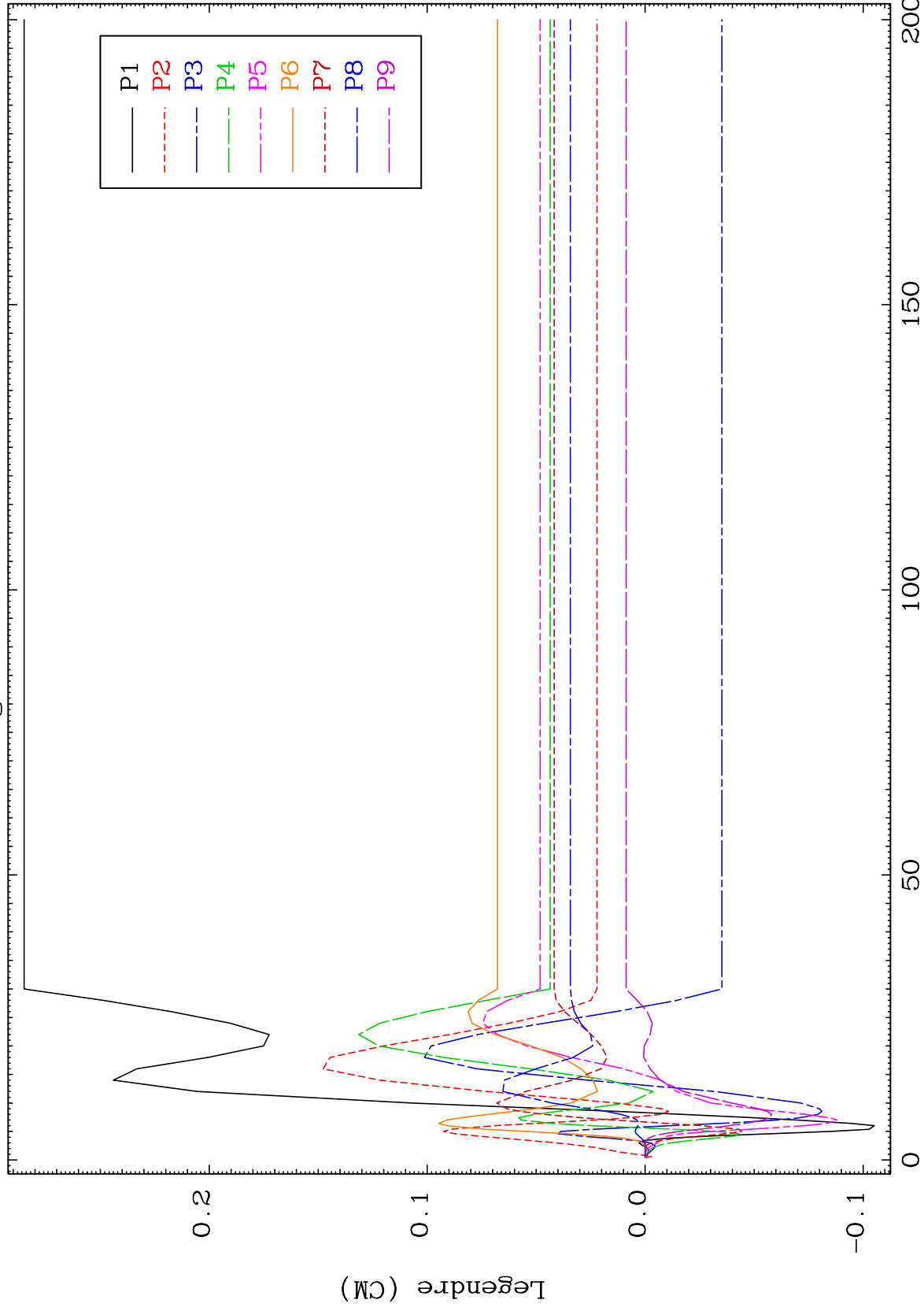




MAT 5304

396.3 keV (n,n') Level  
Legendre Coefficients

53-I -120



73

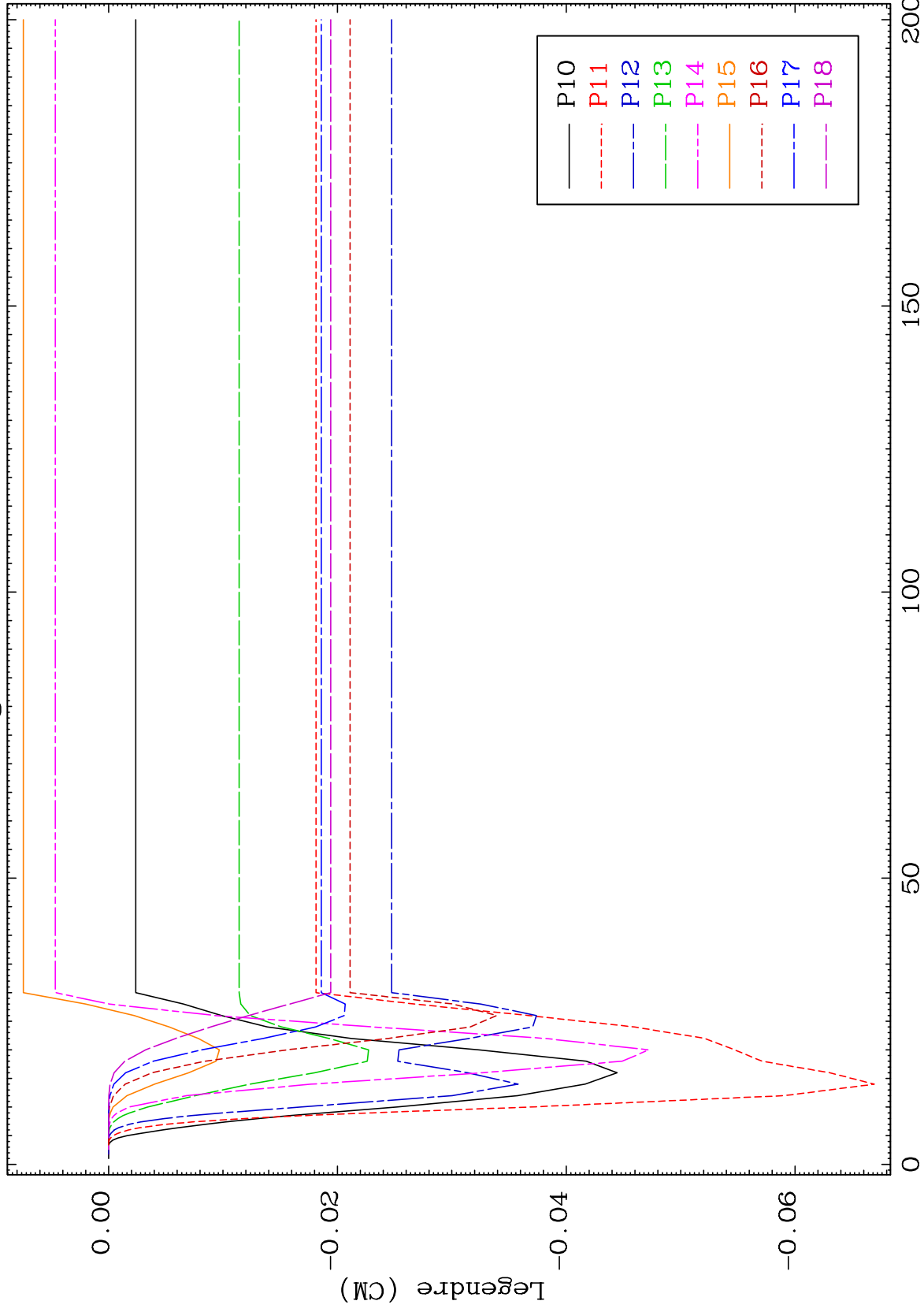
Incident Energy (MeV)

53-I -120

MAT 5304

396.3 keV (n,n') Level  
Legendre Coefficients

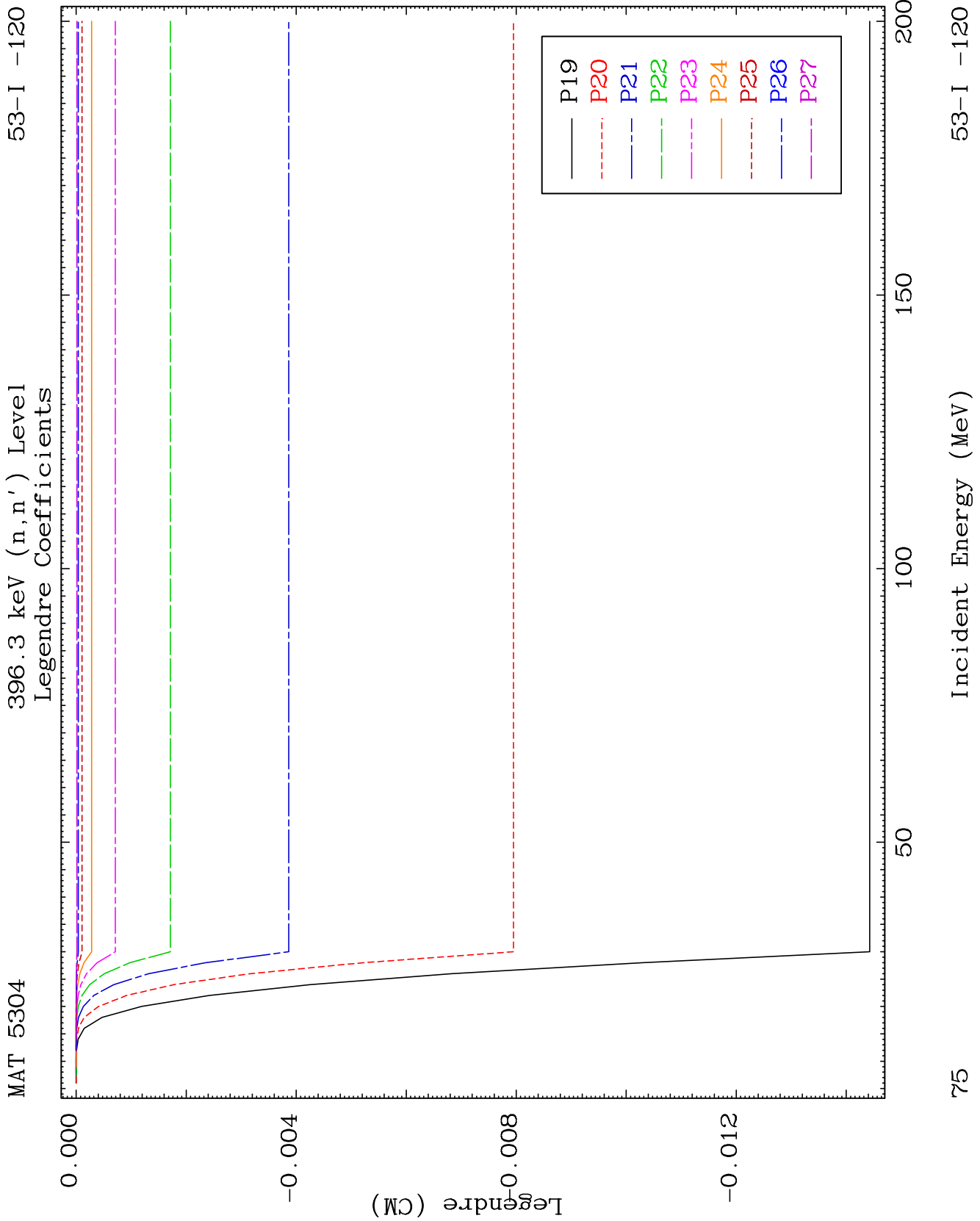
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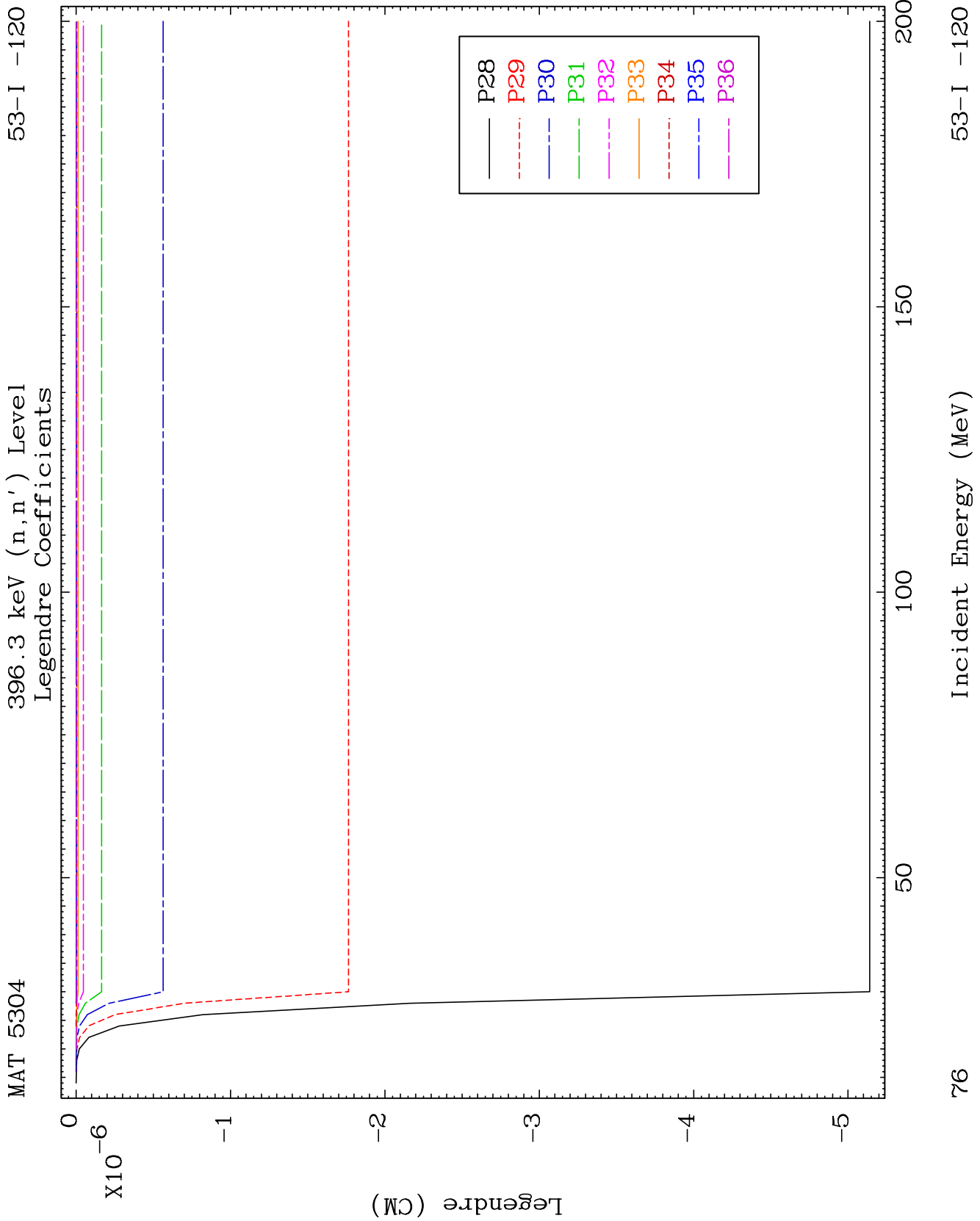


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Incident Energy (MeV)

53-I -120



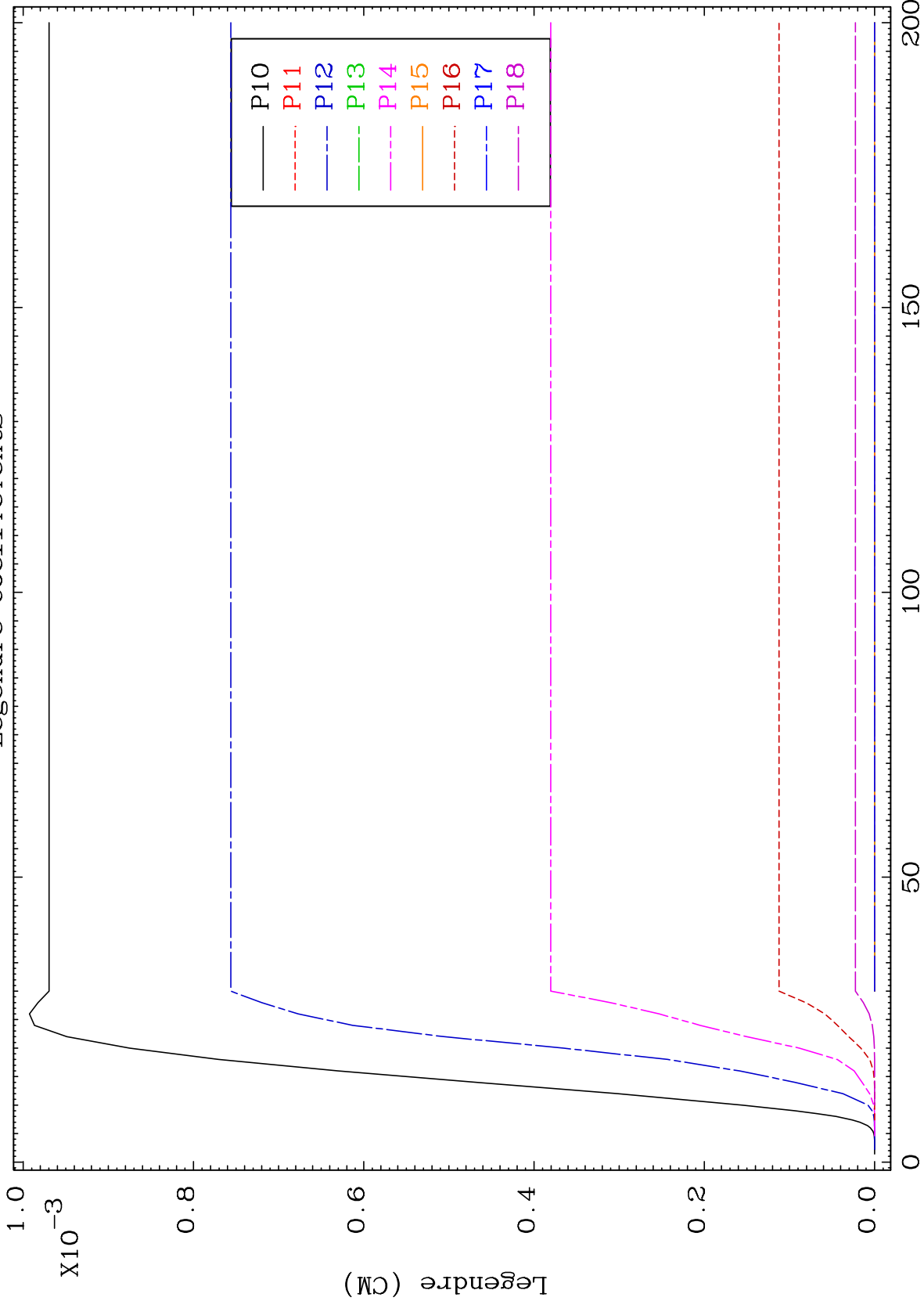




MAT 5304

425.0 keV (n,n') Level  
Legendre Coefficients

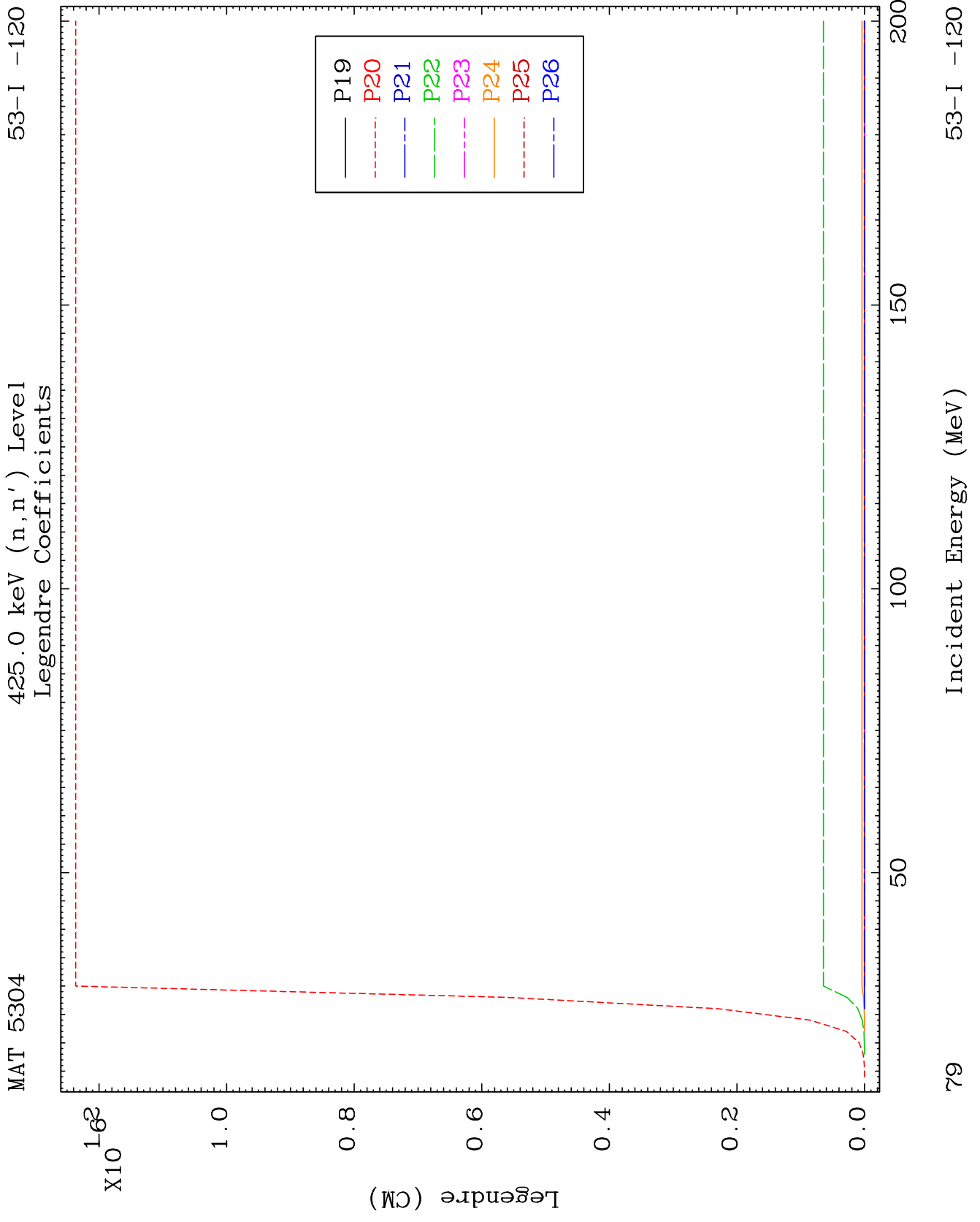
53-I -120



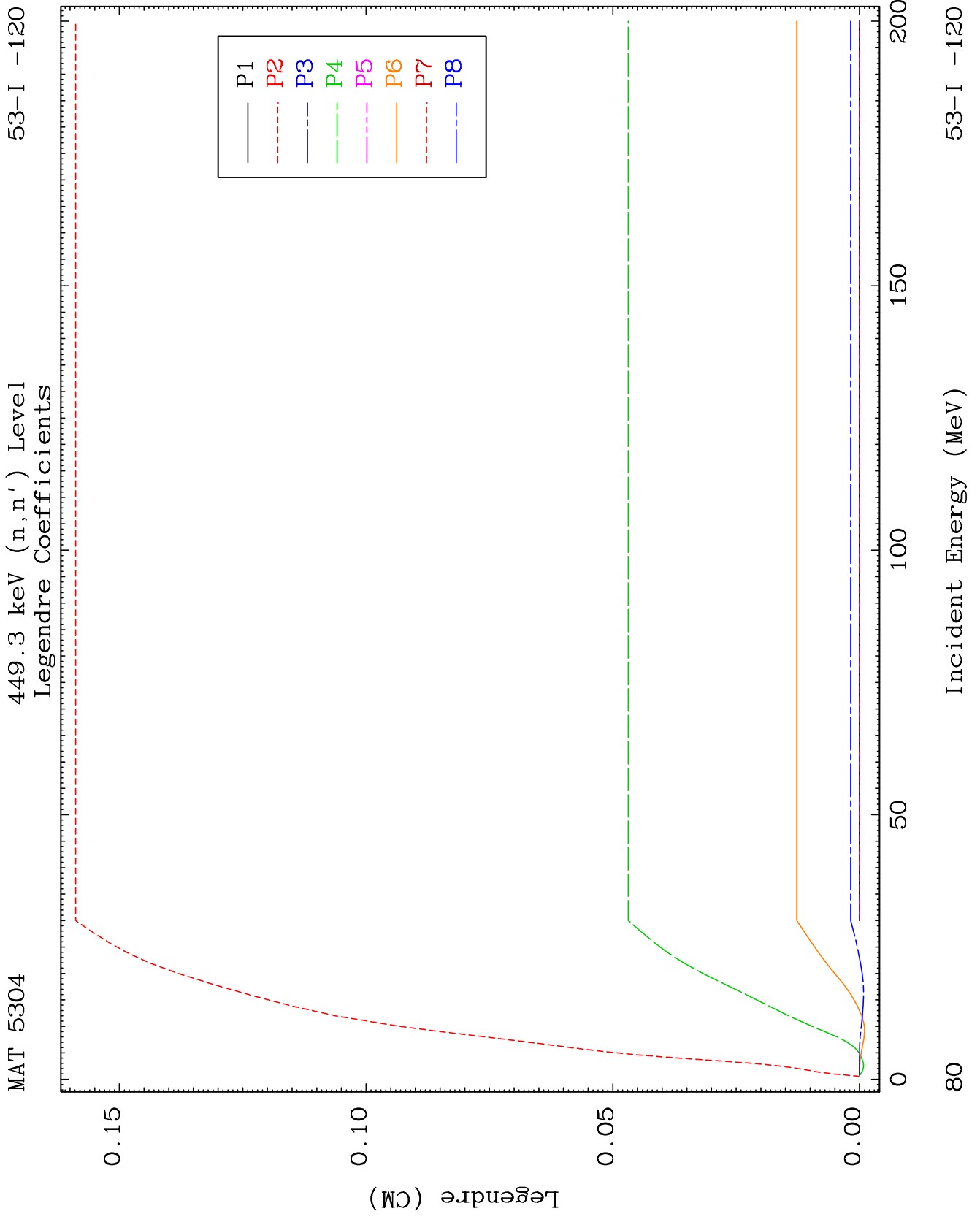
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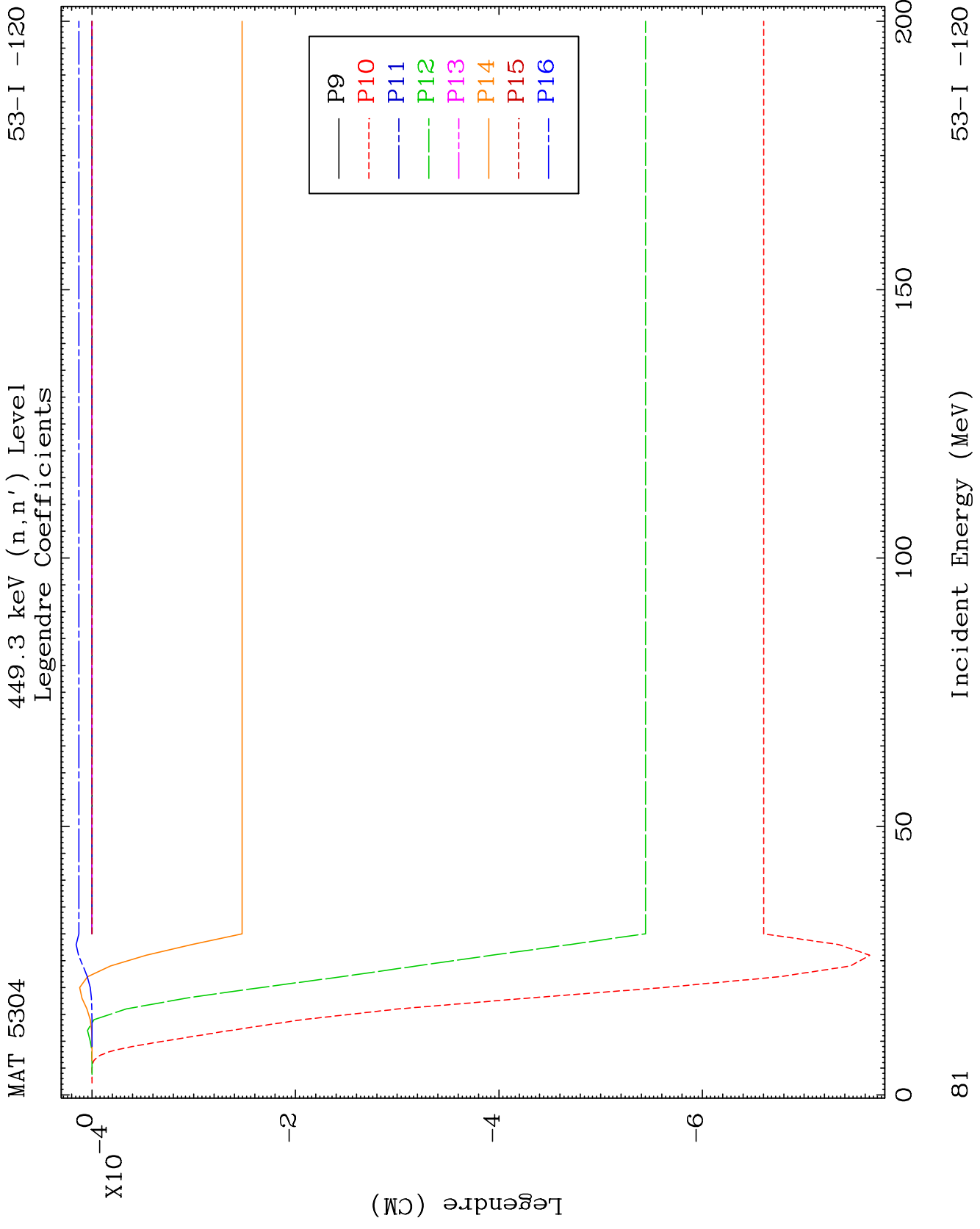
Incident Energy (MeV)

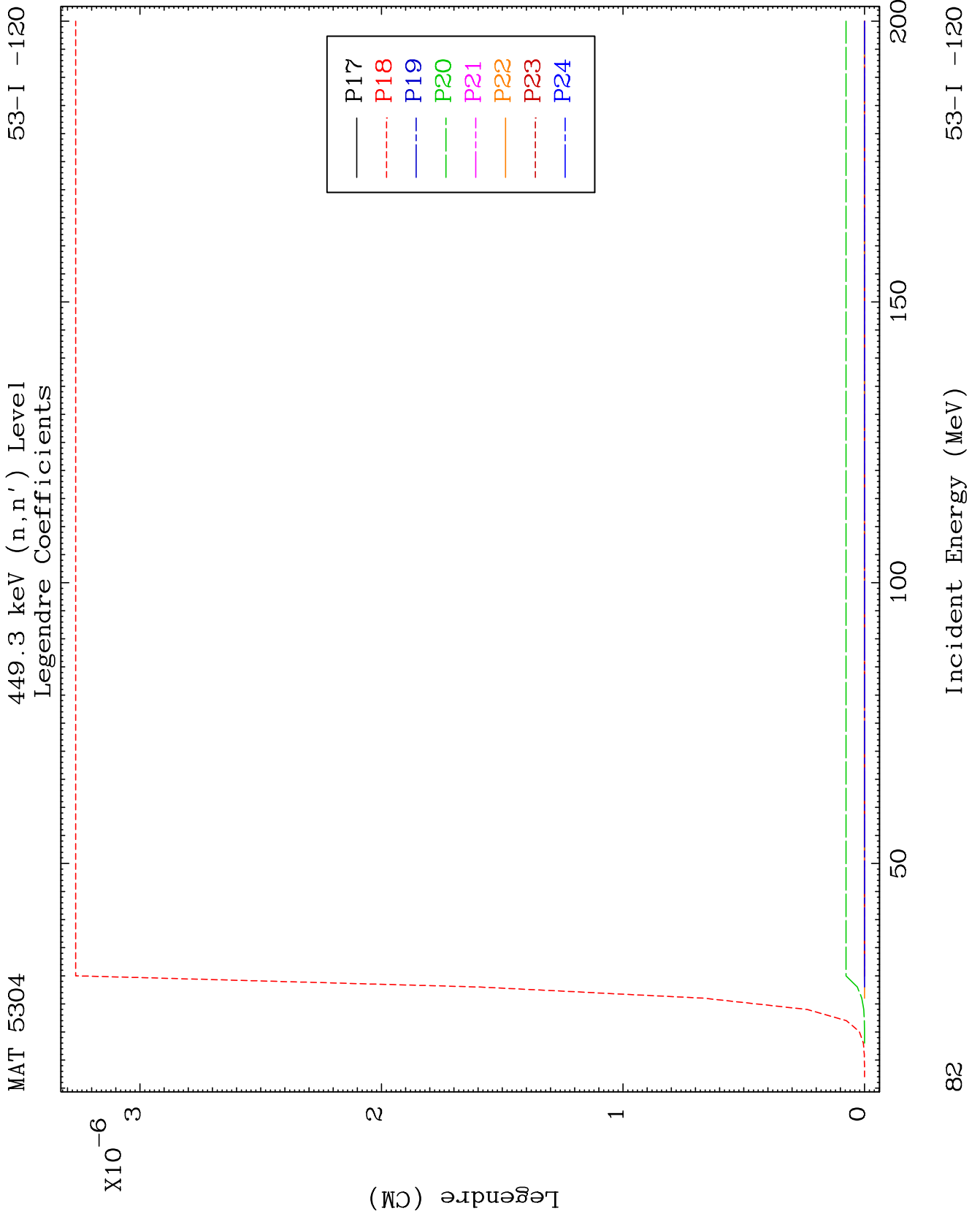
53-I -120







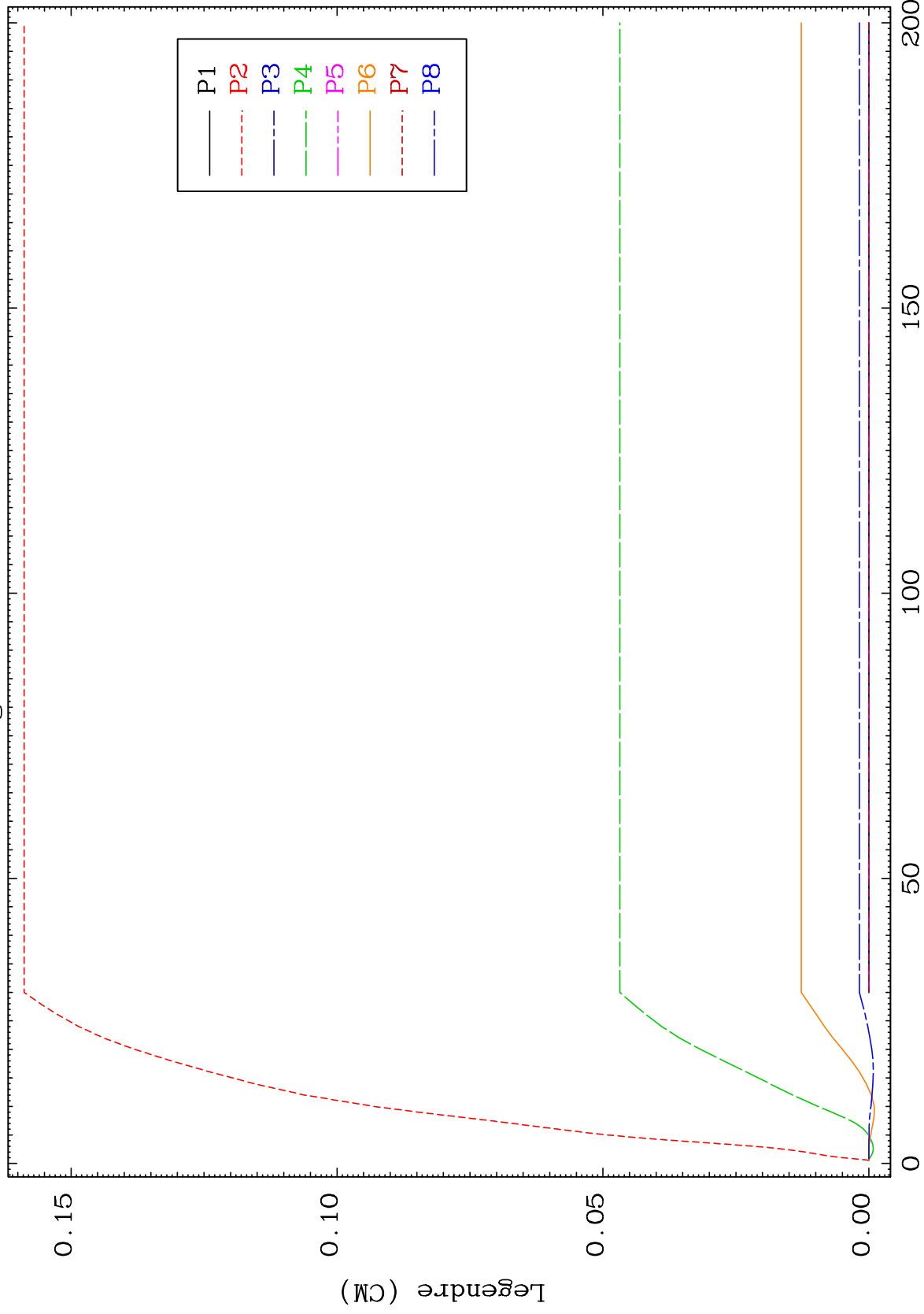




MAT 5304

476.5 keV (n,n') Level  
Legendre Coefficients

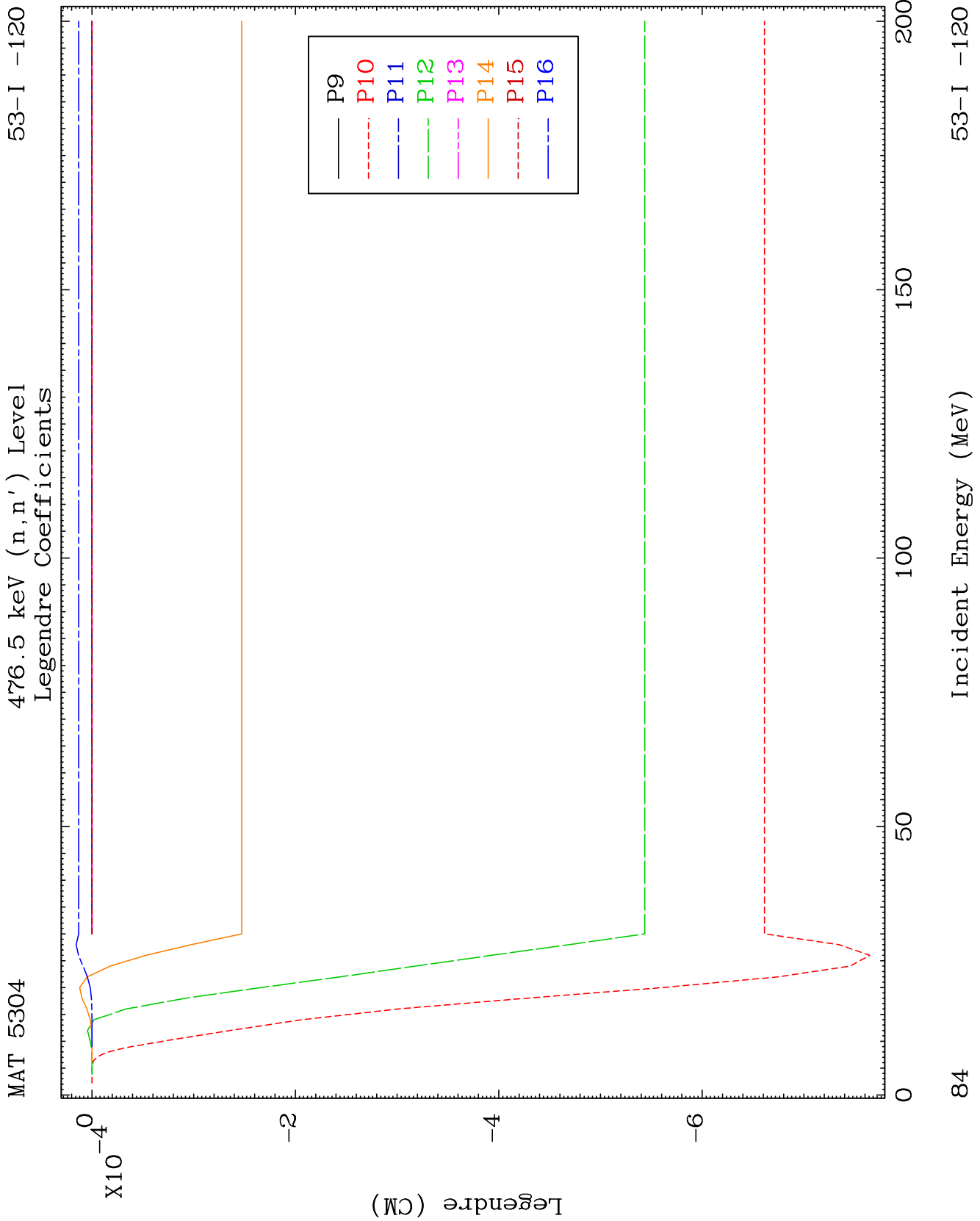
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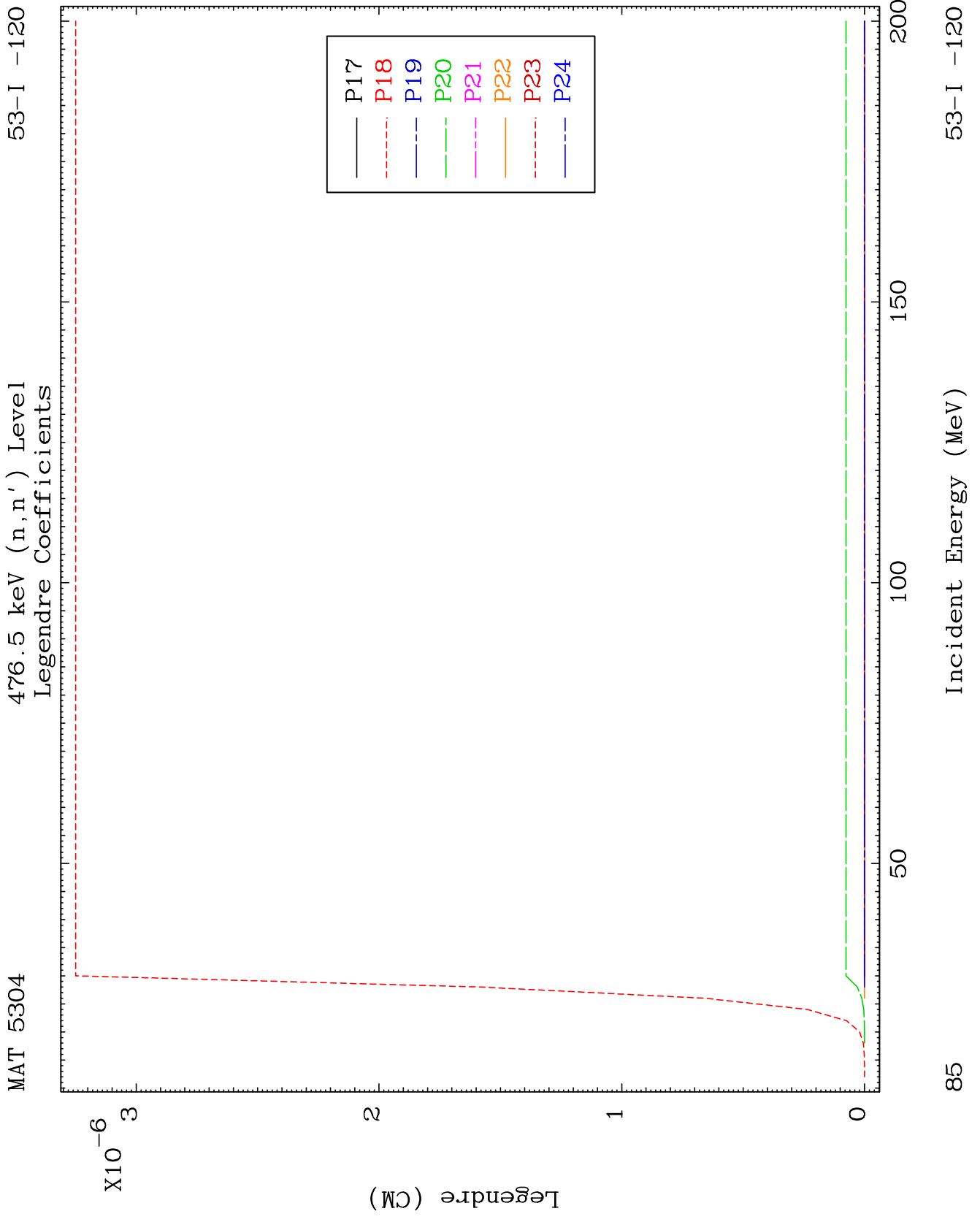


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Incident Energy (MeV)

53-I -120

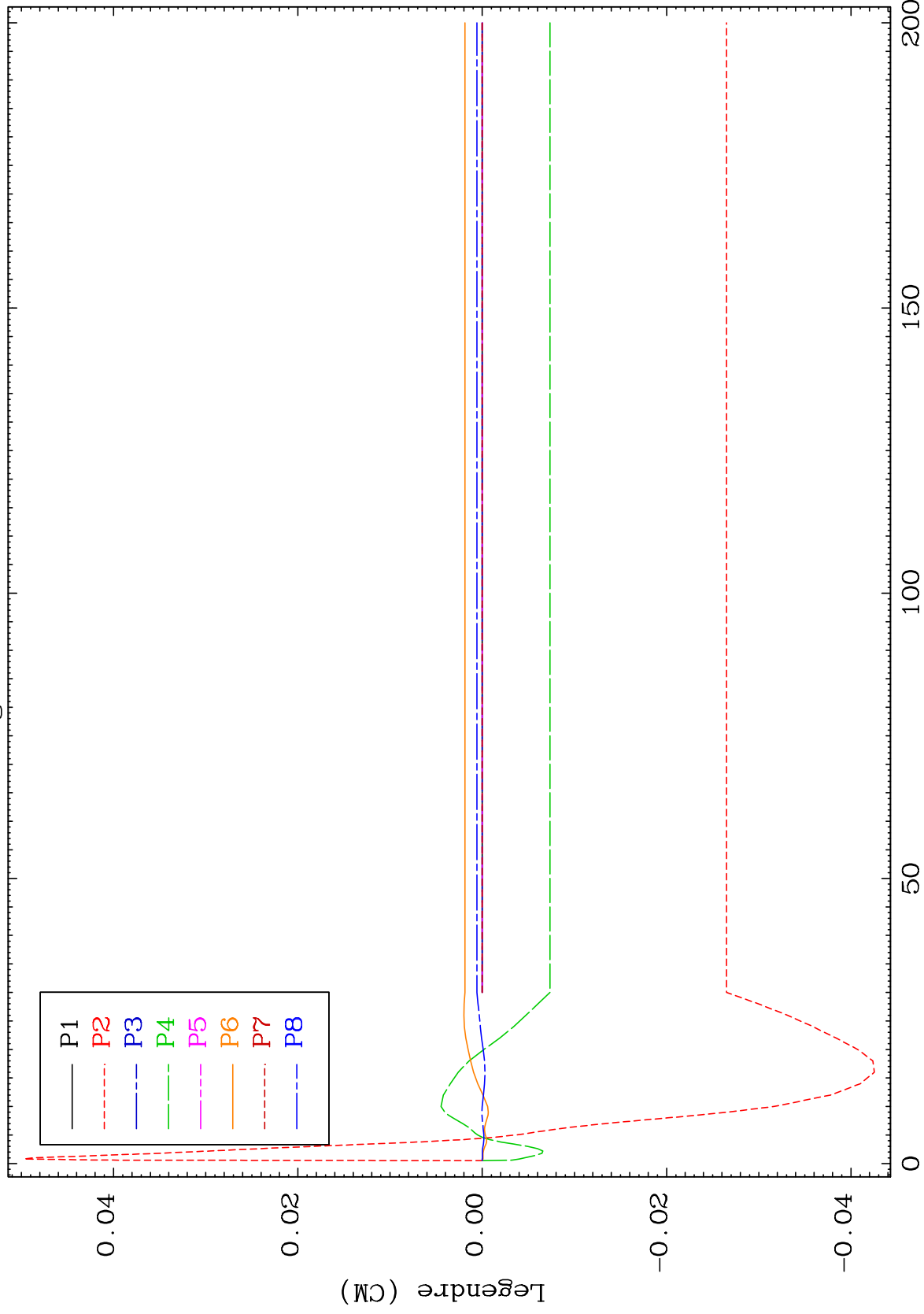




MAT 5304

488.6 keV (n,n') Level  
Legendre Coefficients

53-I -120



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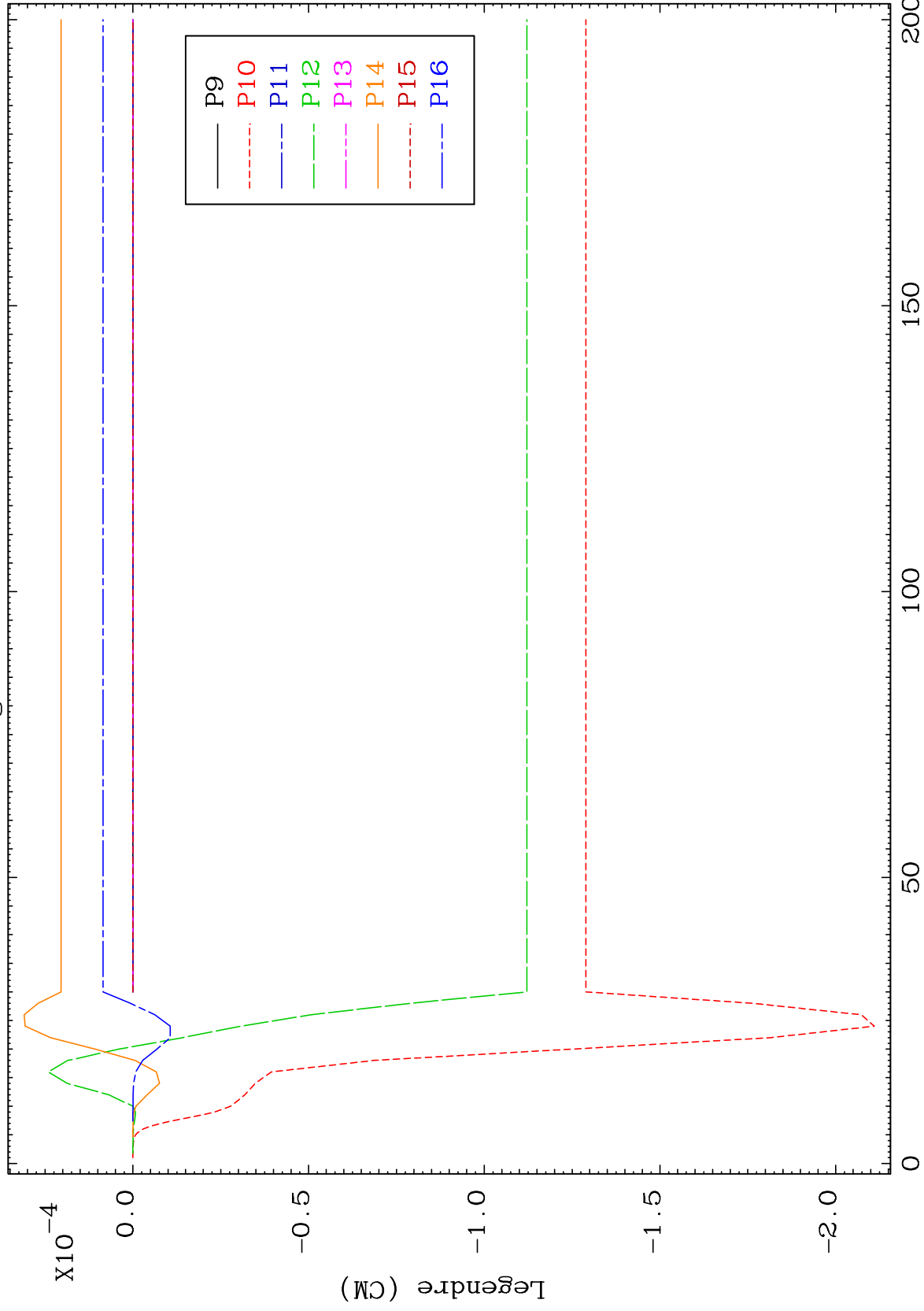
Incident Energy (MeV)

53-I -120

MAT 5304

488.6 keV (n,n') Level  
Legendre Coefficients

53-I -120

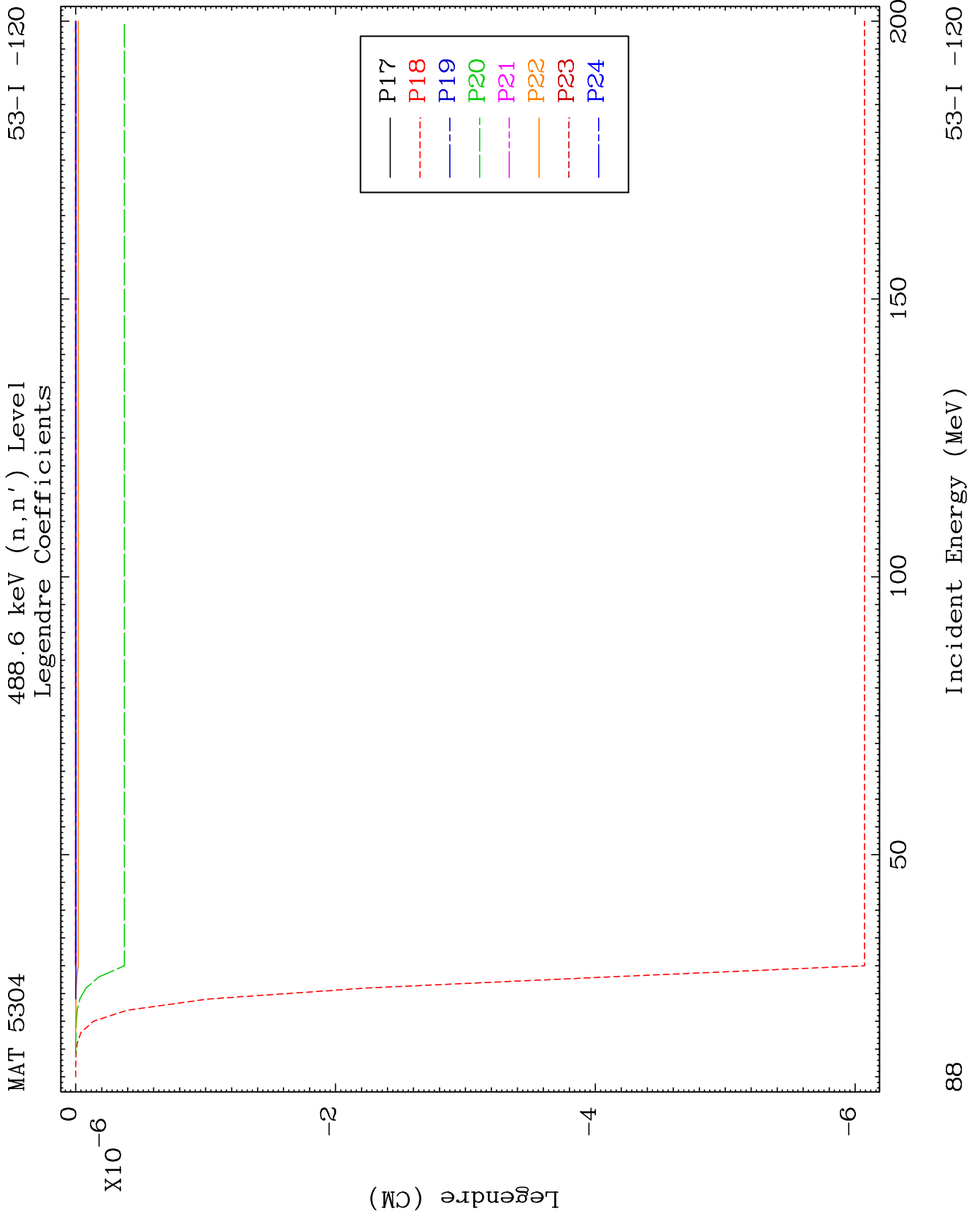


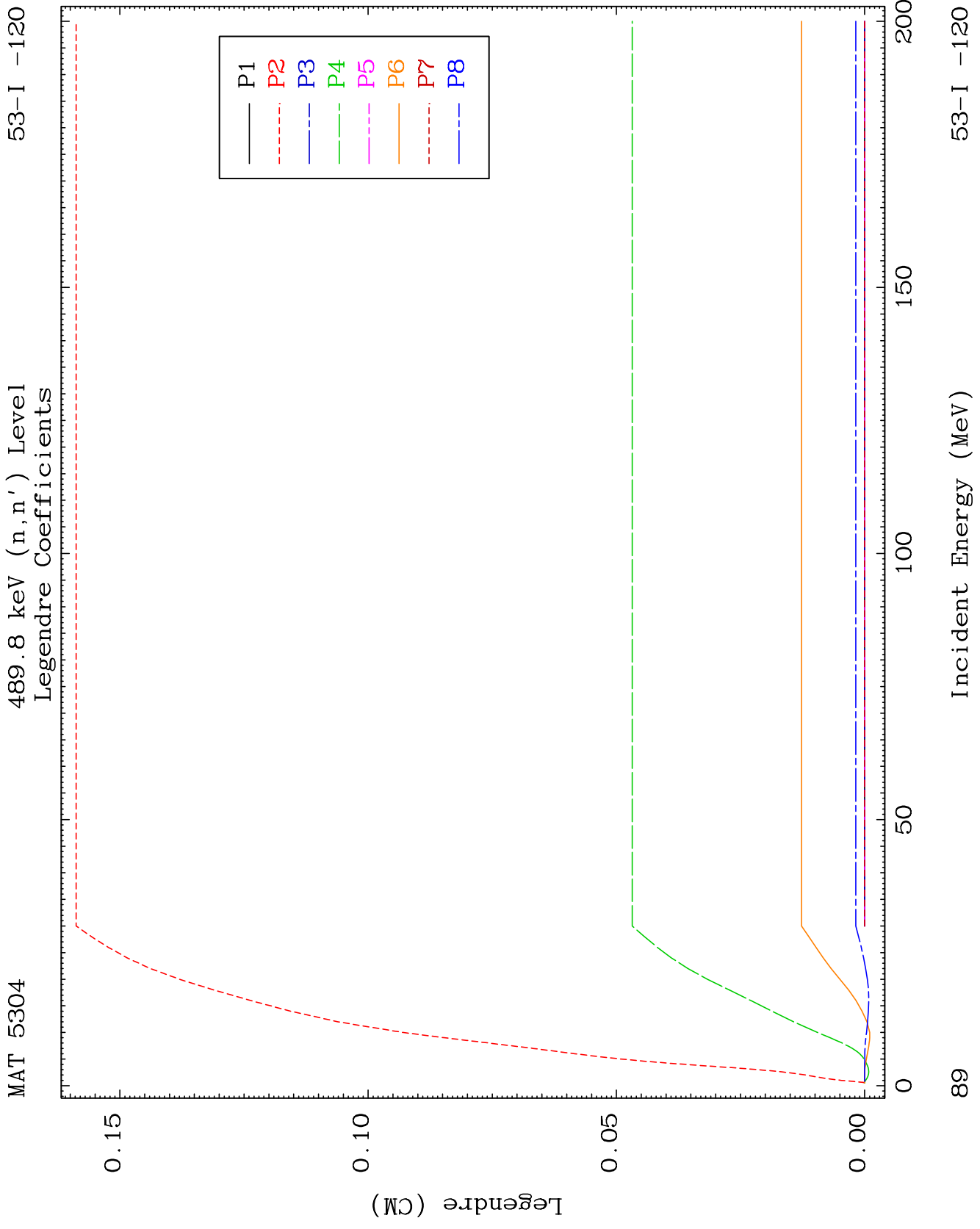
87

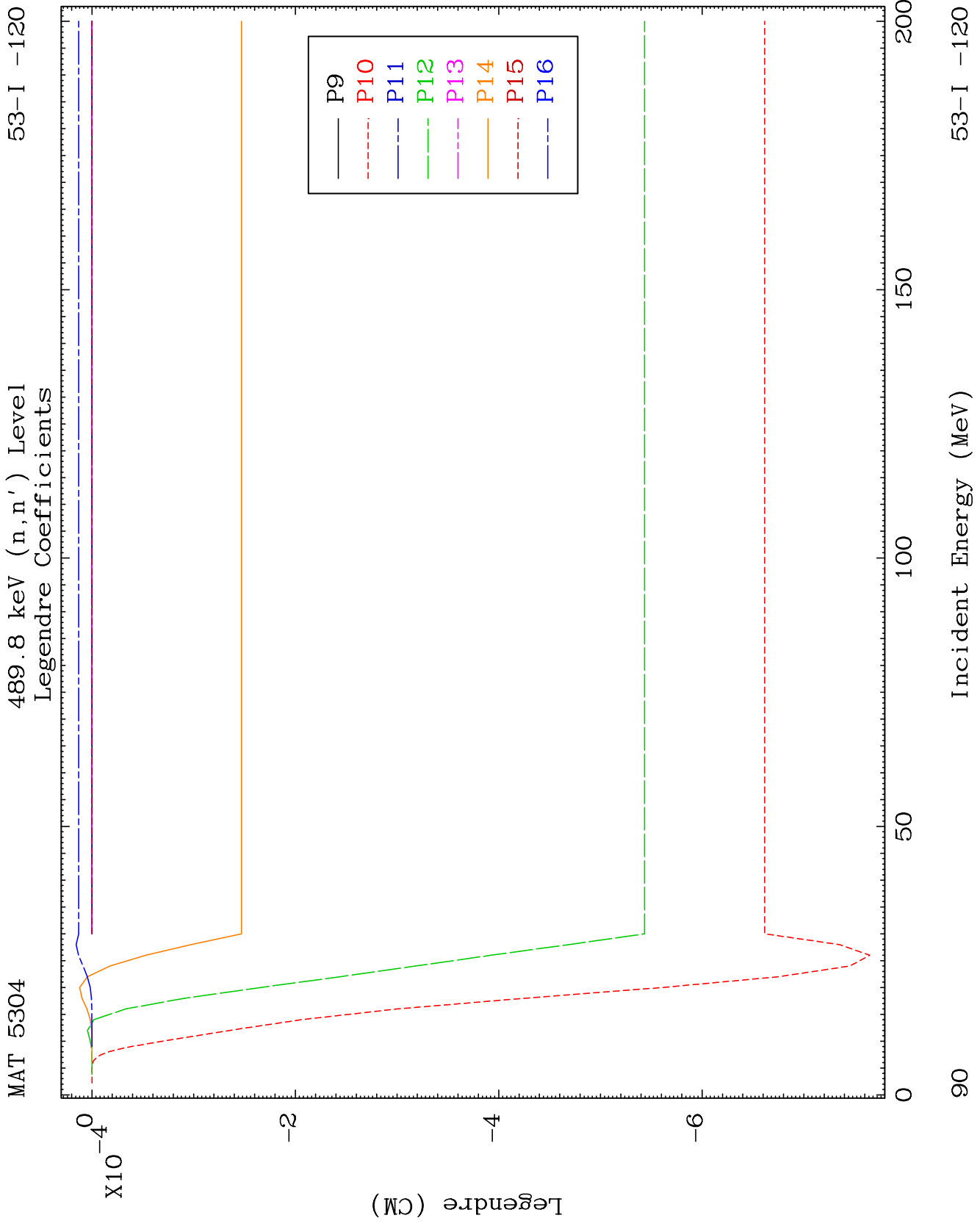
Incident Energy (MeV)

53-I -120

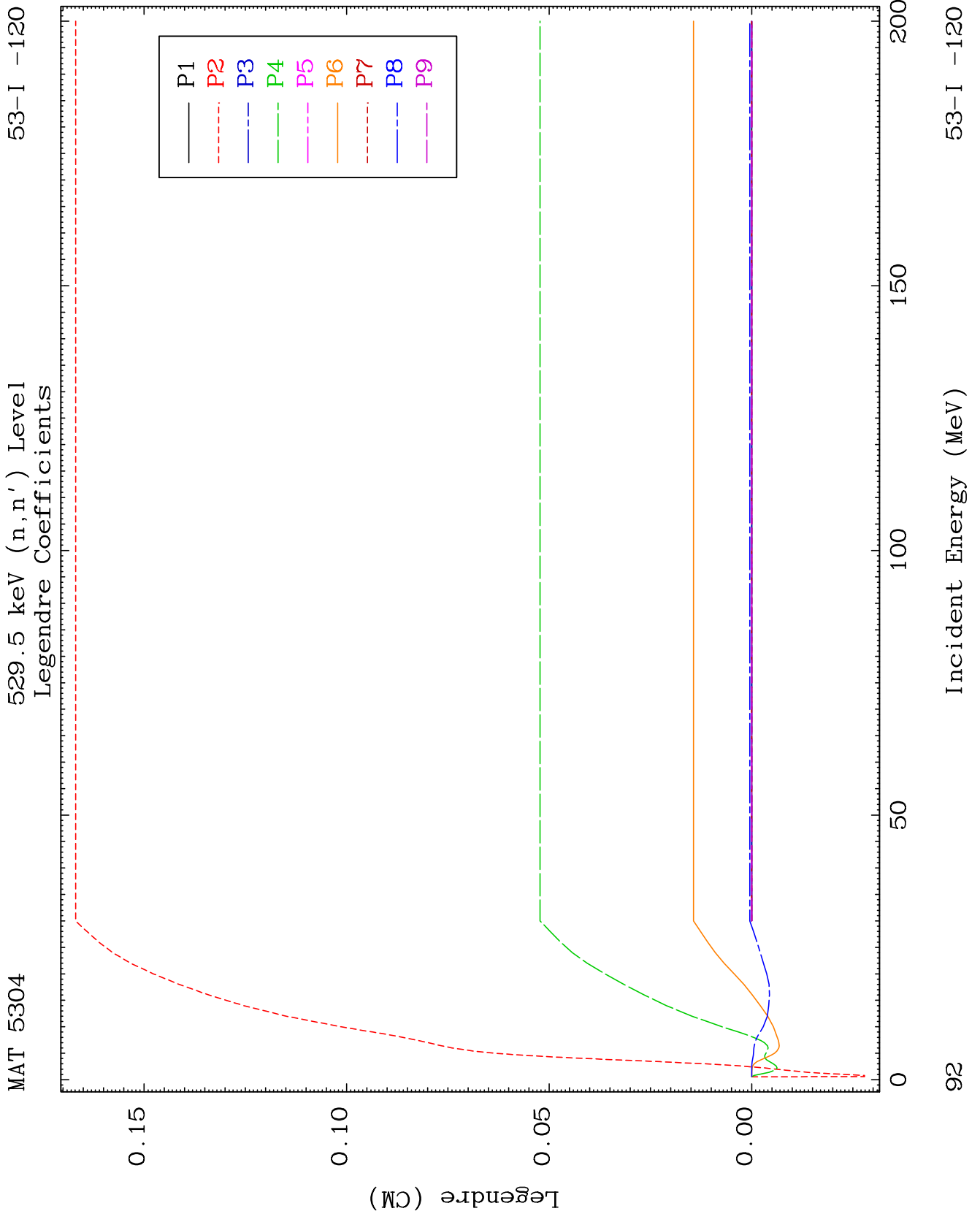












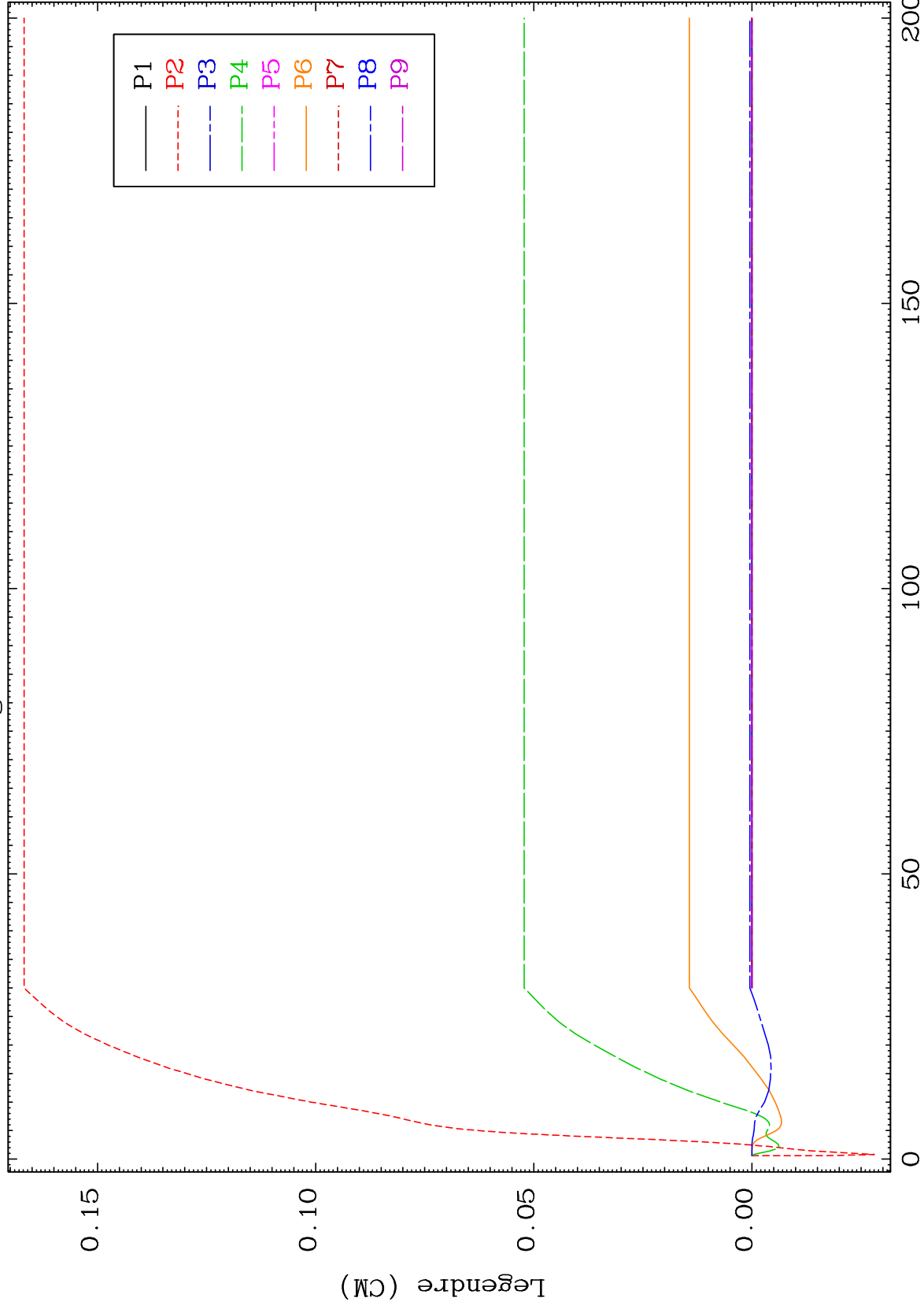




MAT 5304

580.7 keV (n,n') Level  
Legendre Coefficients

53-I -120



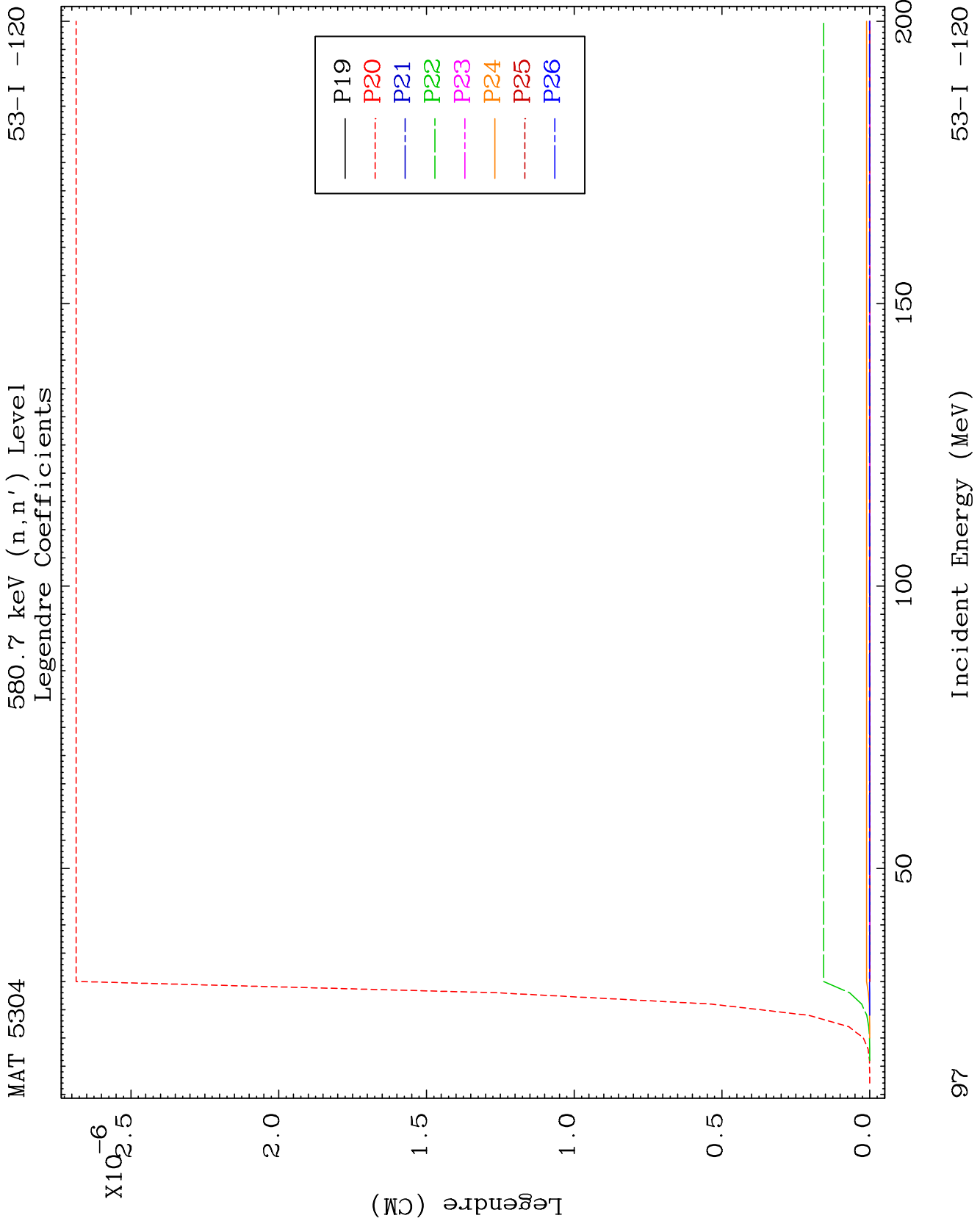
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Incident Energy (MeV)

53-I -120



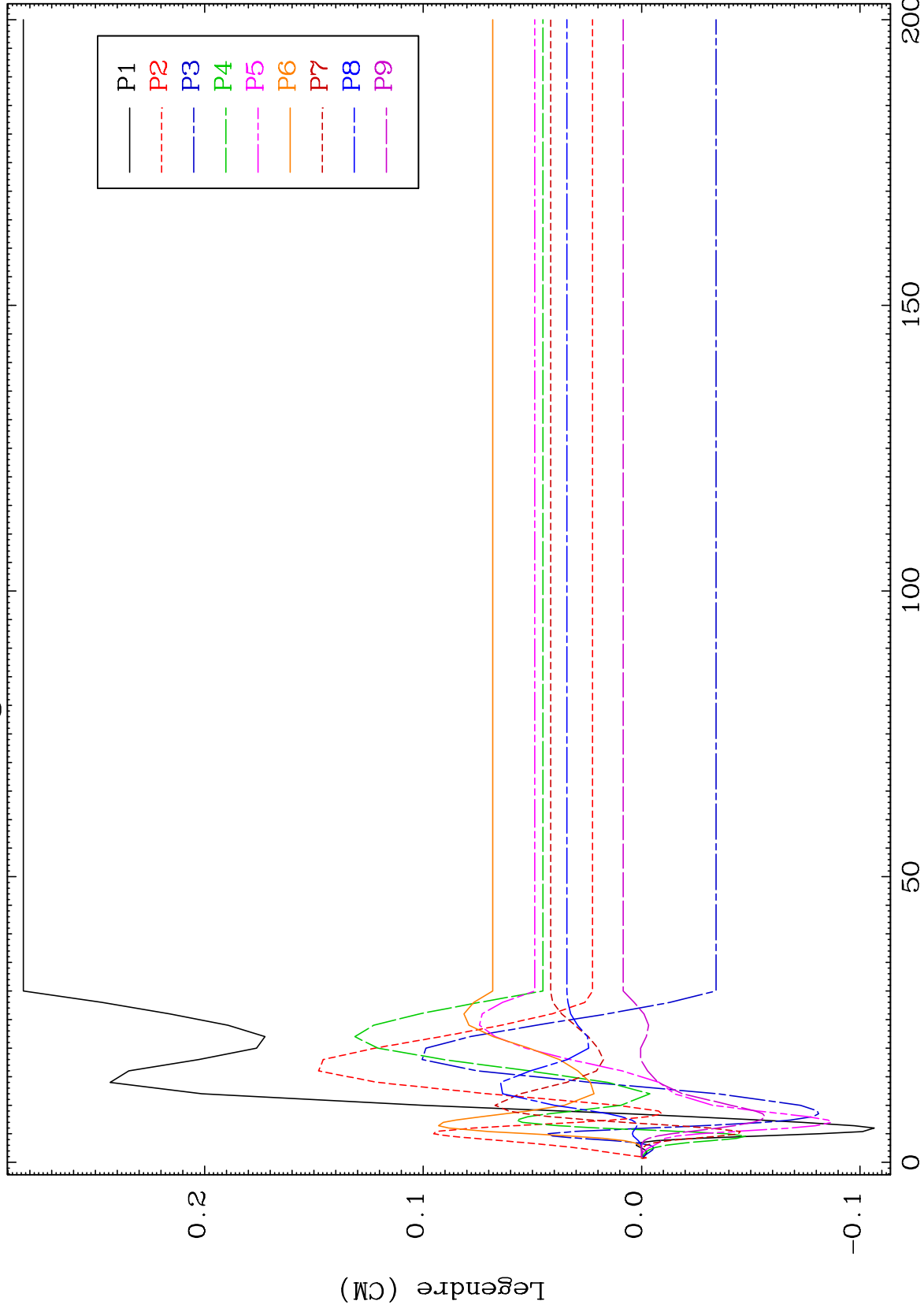




MAT 5304

658.7 keV (n,n') Level  
Legendre Coefficients

53-I -120



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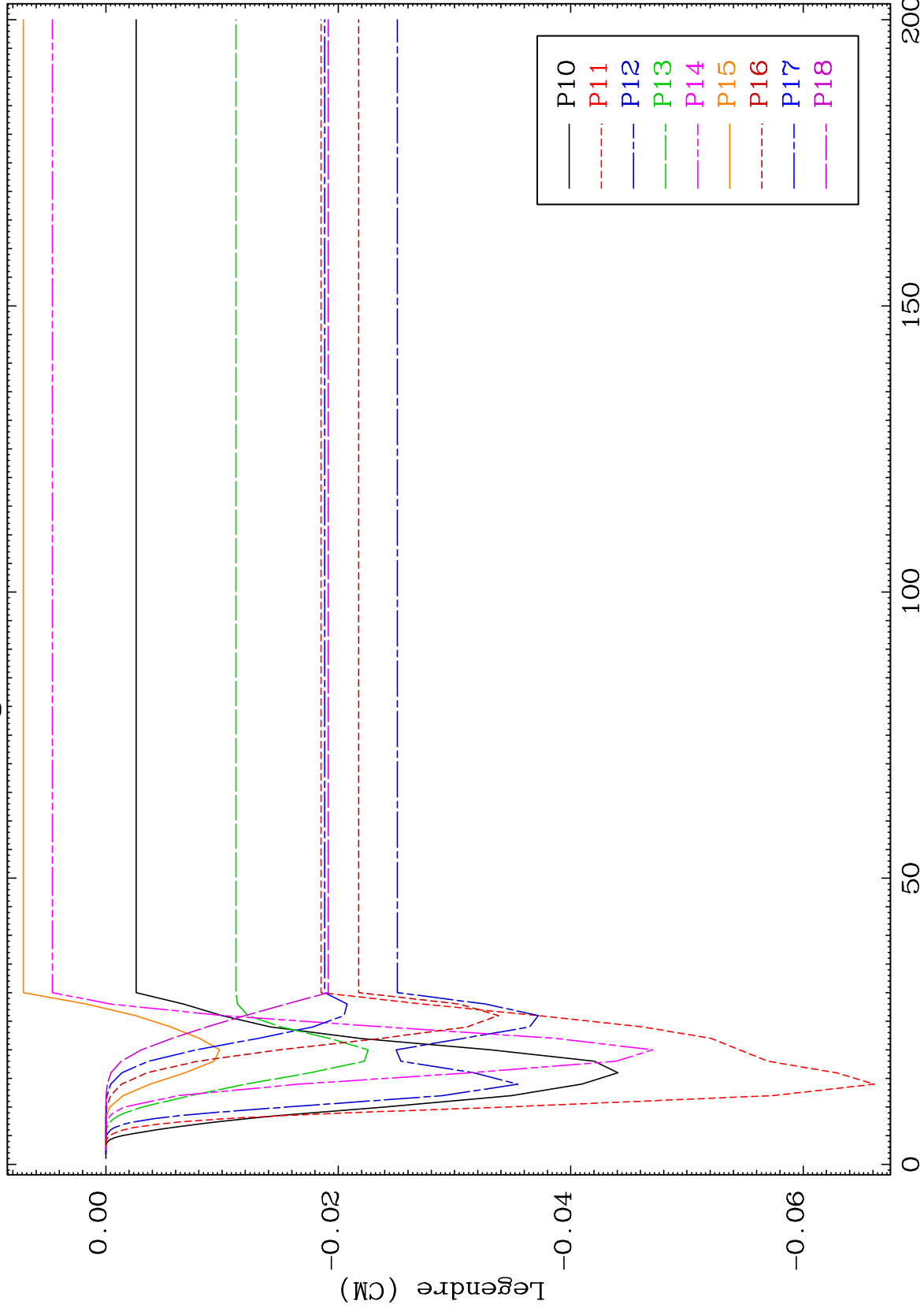
Incident Energy (MeV)

53-I -120

MAT 5304

658.7 keV (n,n') Level  
Legendre Coefficients

53-I -120

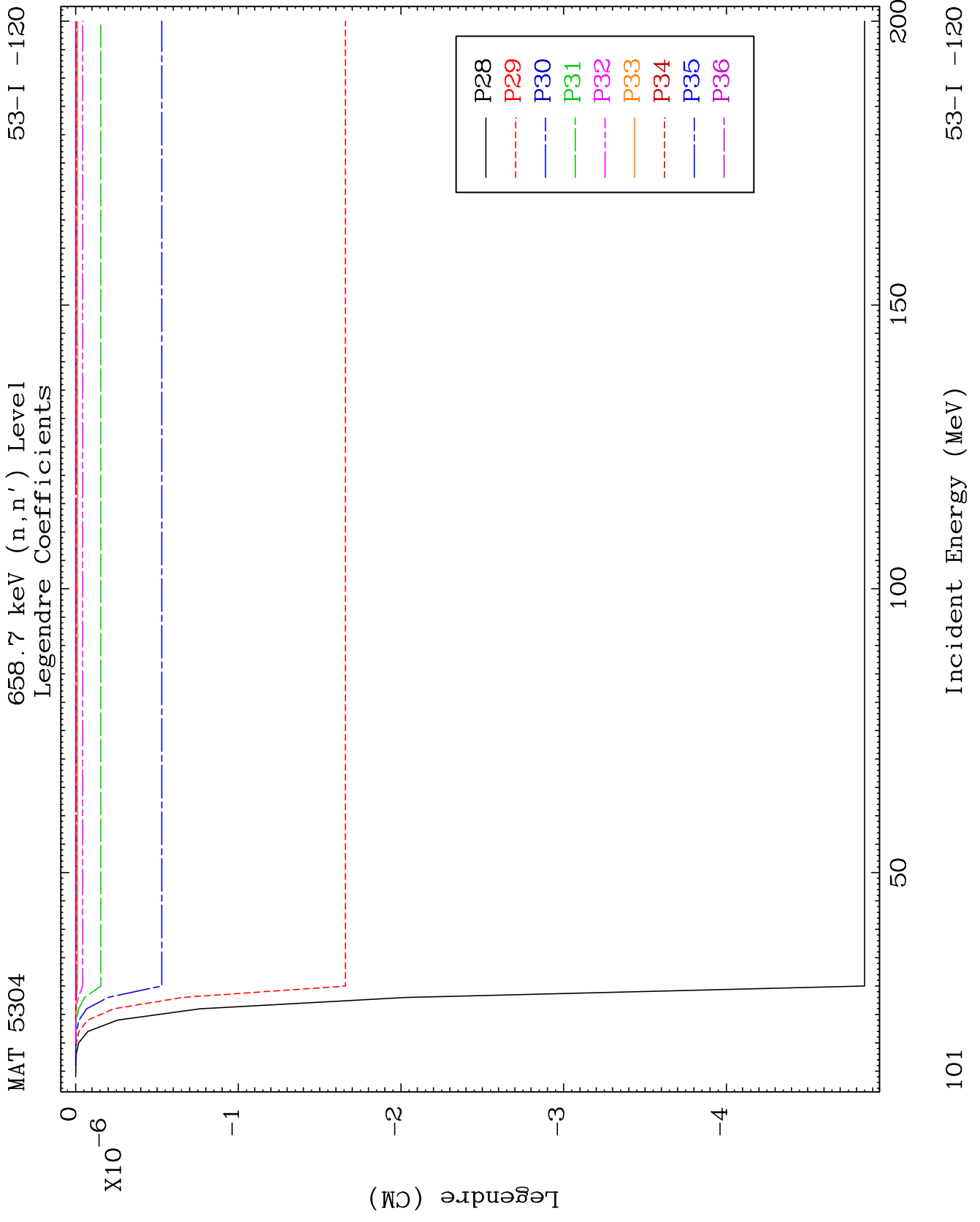


99

Incident Energy (MeV)

53-I -120

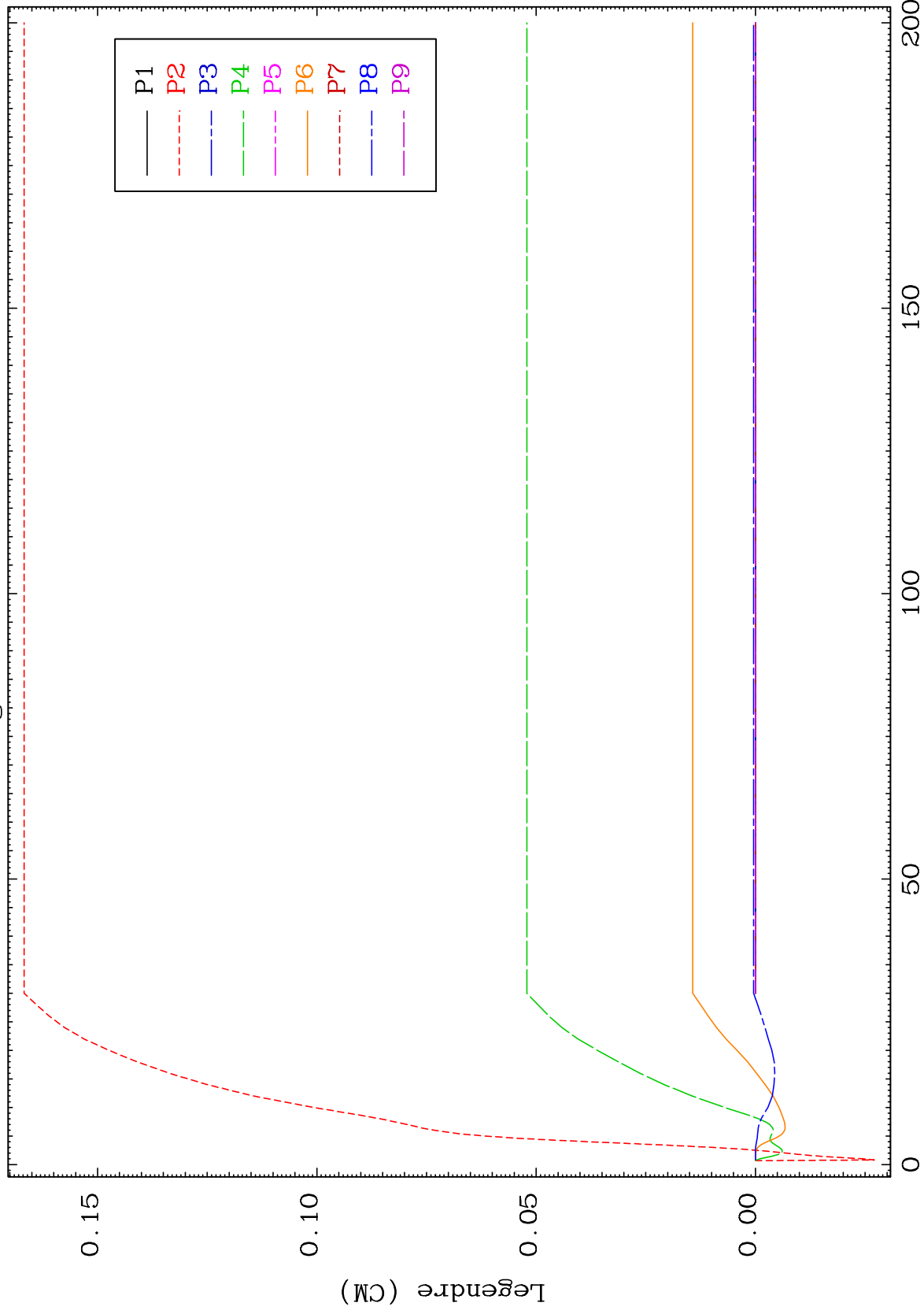




MAT 5304

664.9 keV (n,n') Level  
Legendre Coefficients

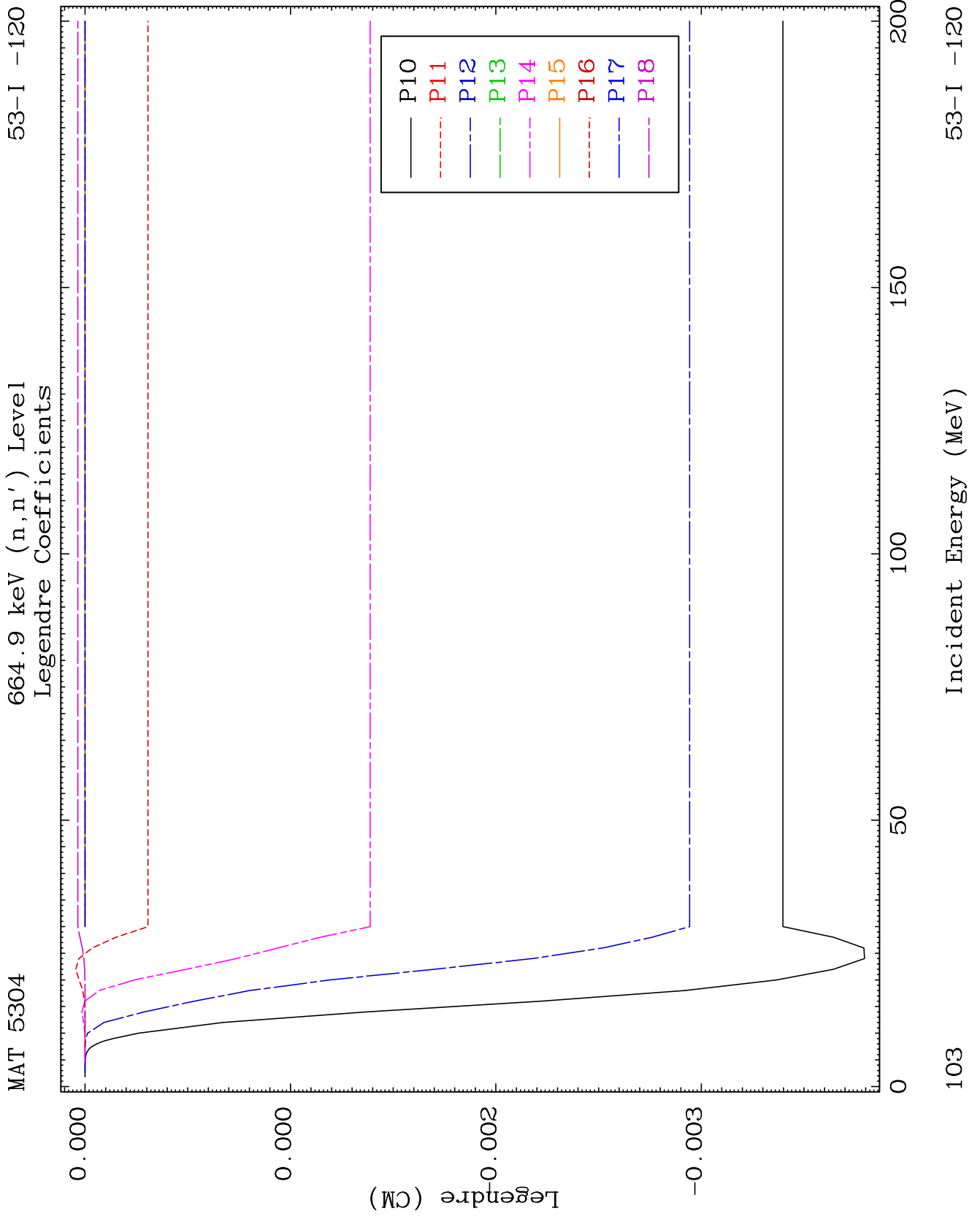
53-I -120



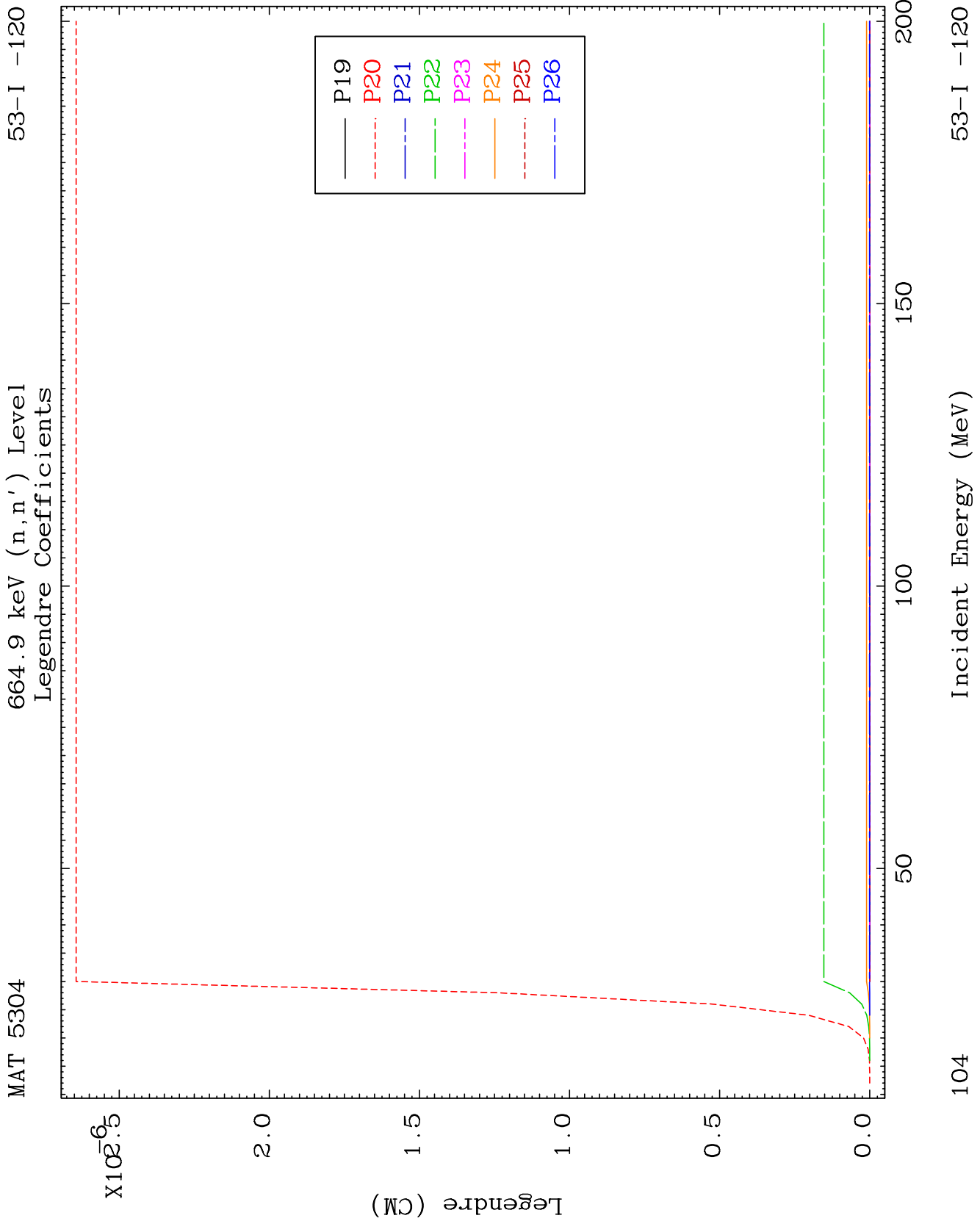
53-I -120

Incident Energy (MeV)

102



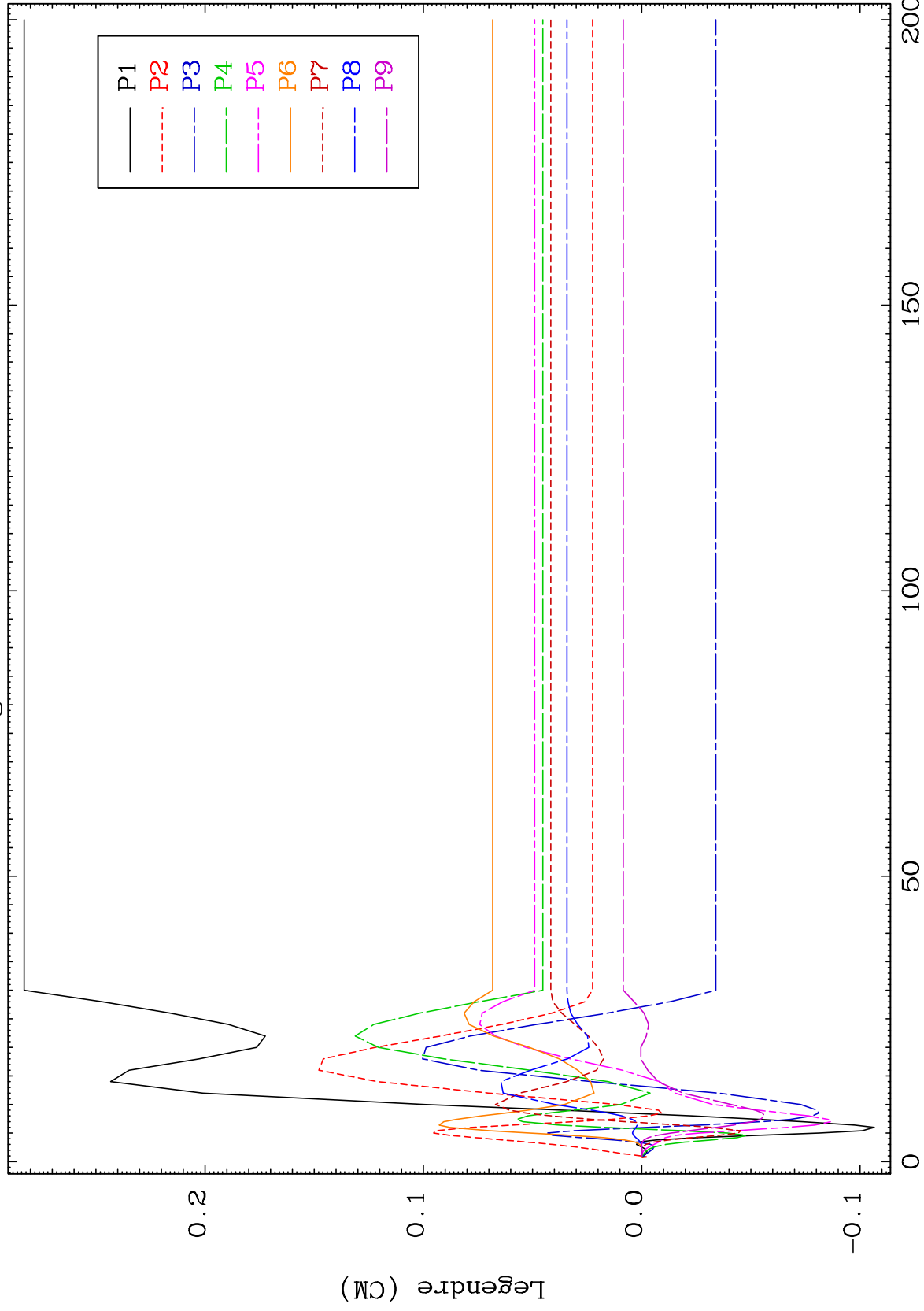




MAT 5304

677.3 keV (n,n') Level  
Legendre Coefficients

53-I -120



105

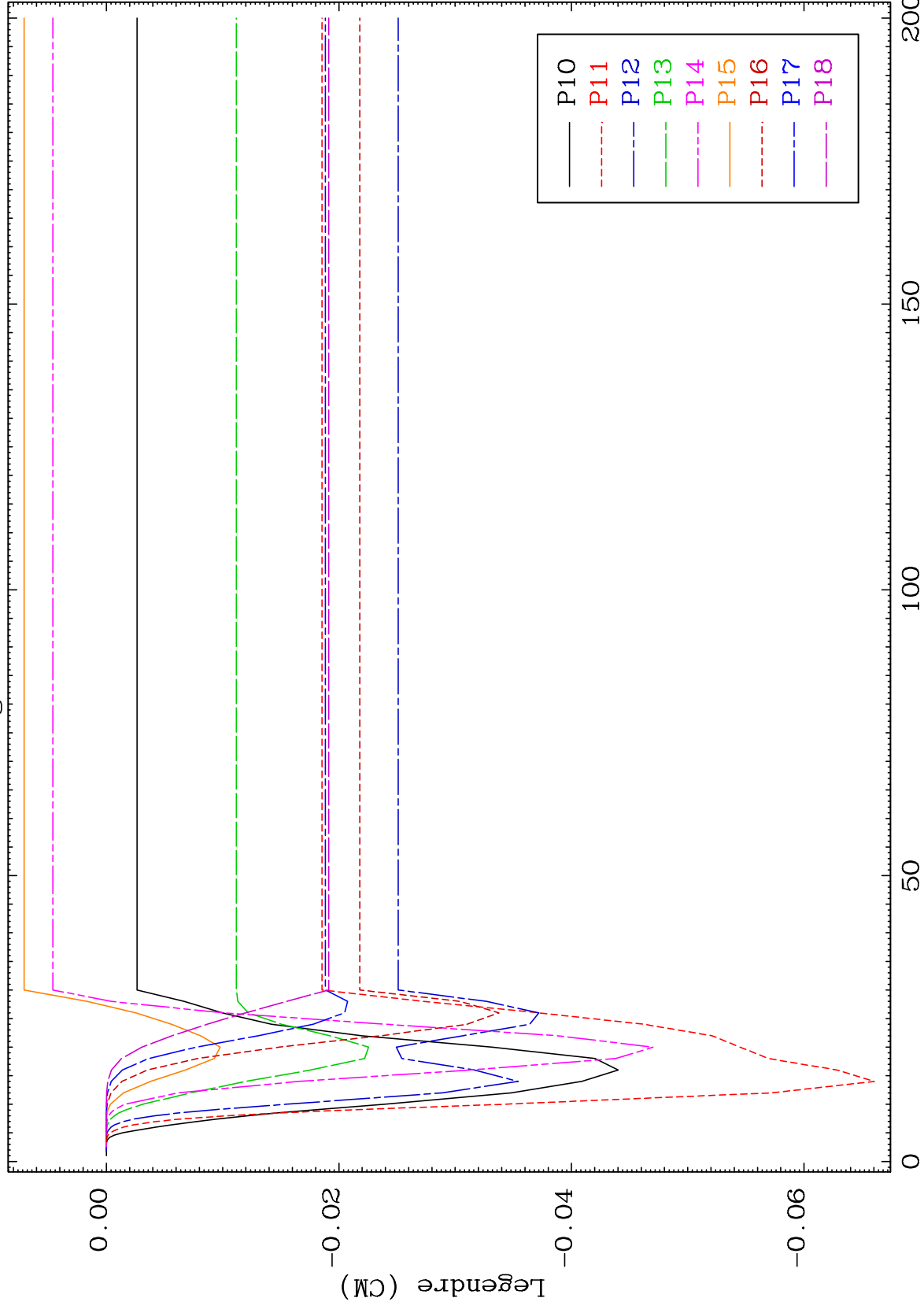
Incident Energy (MeV)

53-I -120

MAT 5304

677.3 keV (n,n') Level  
Legendre Coefficients

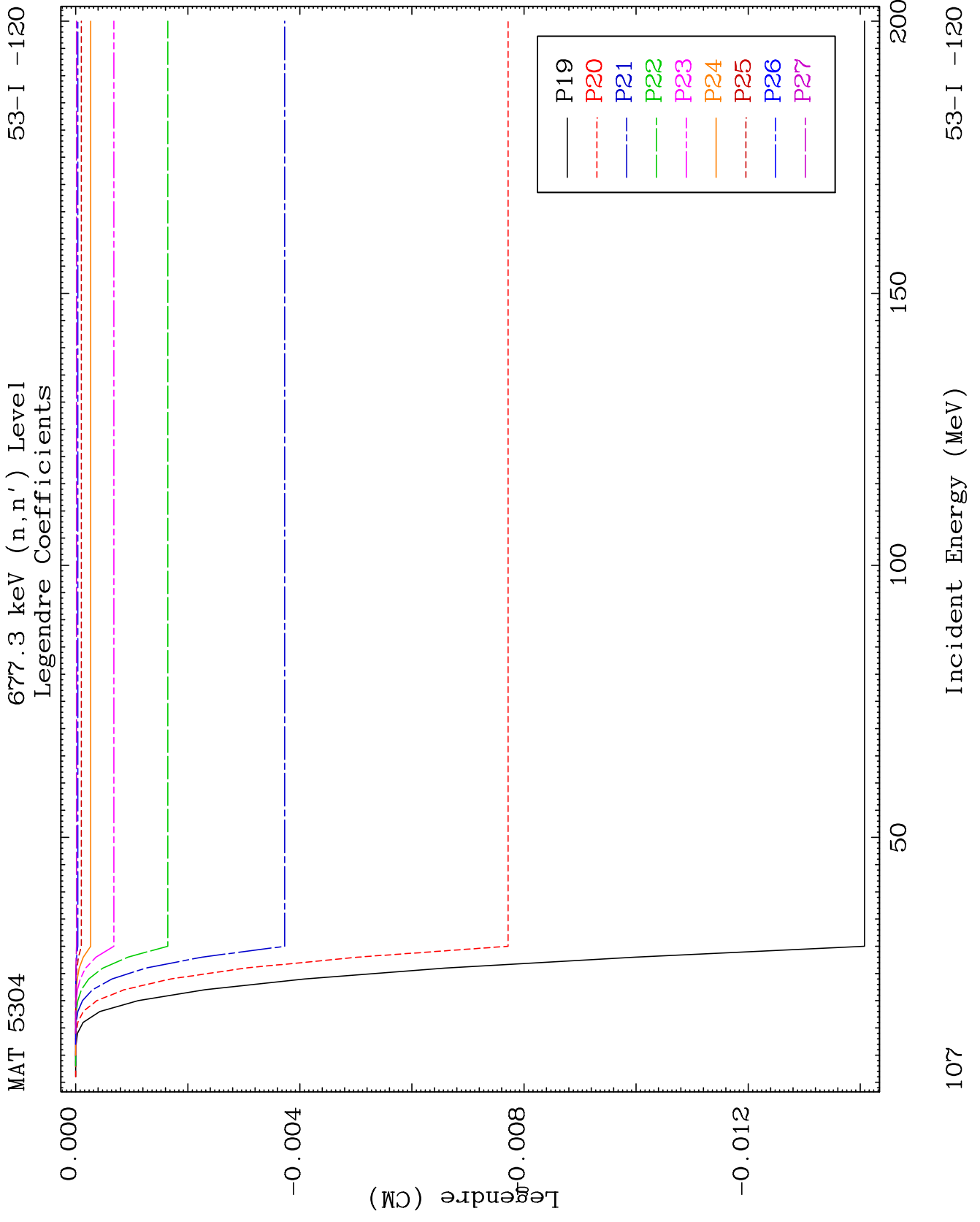
53-I -120

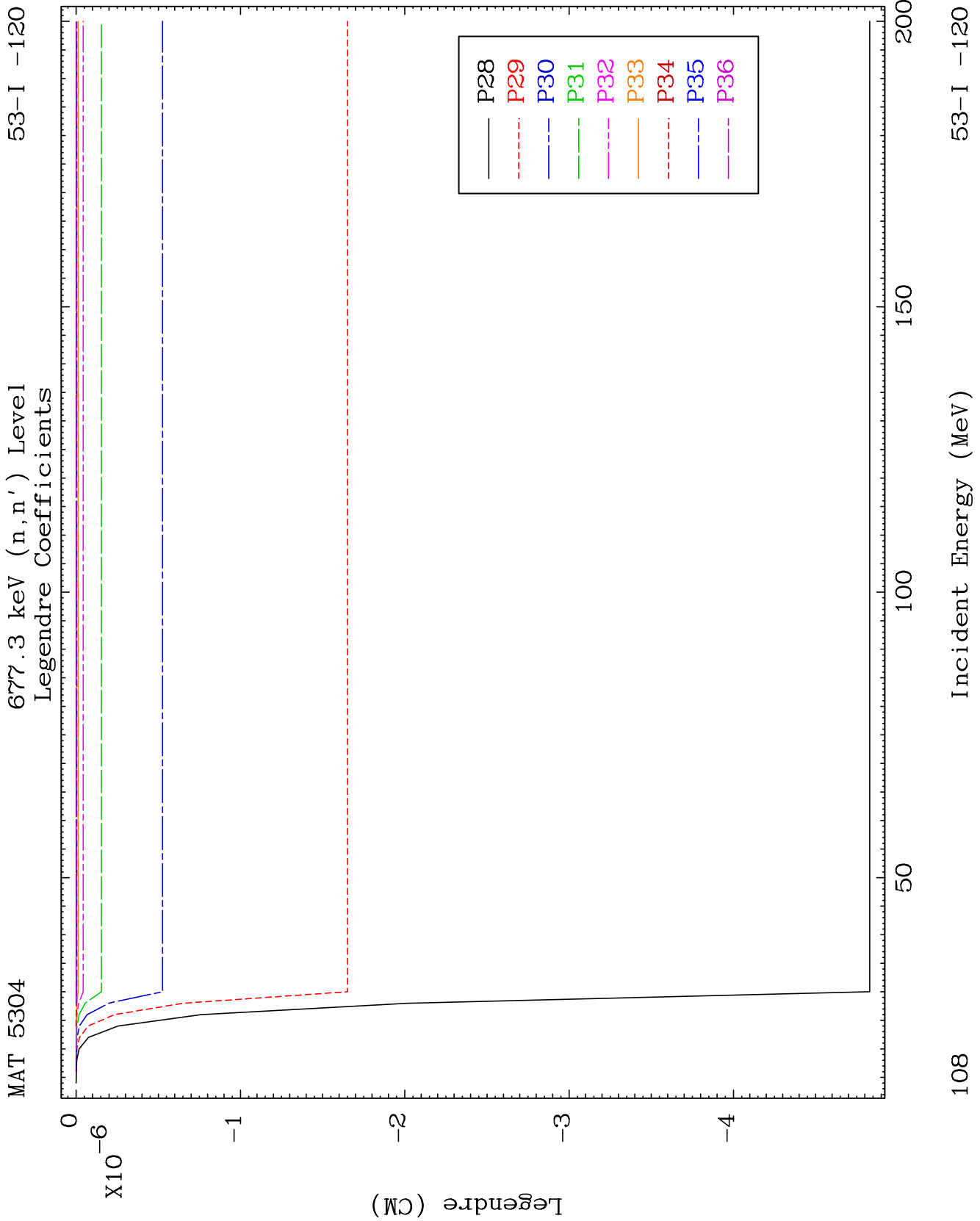


53-I -120

Incident Energy (MeV)

106

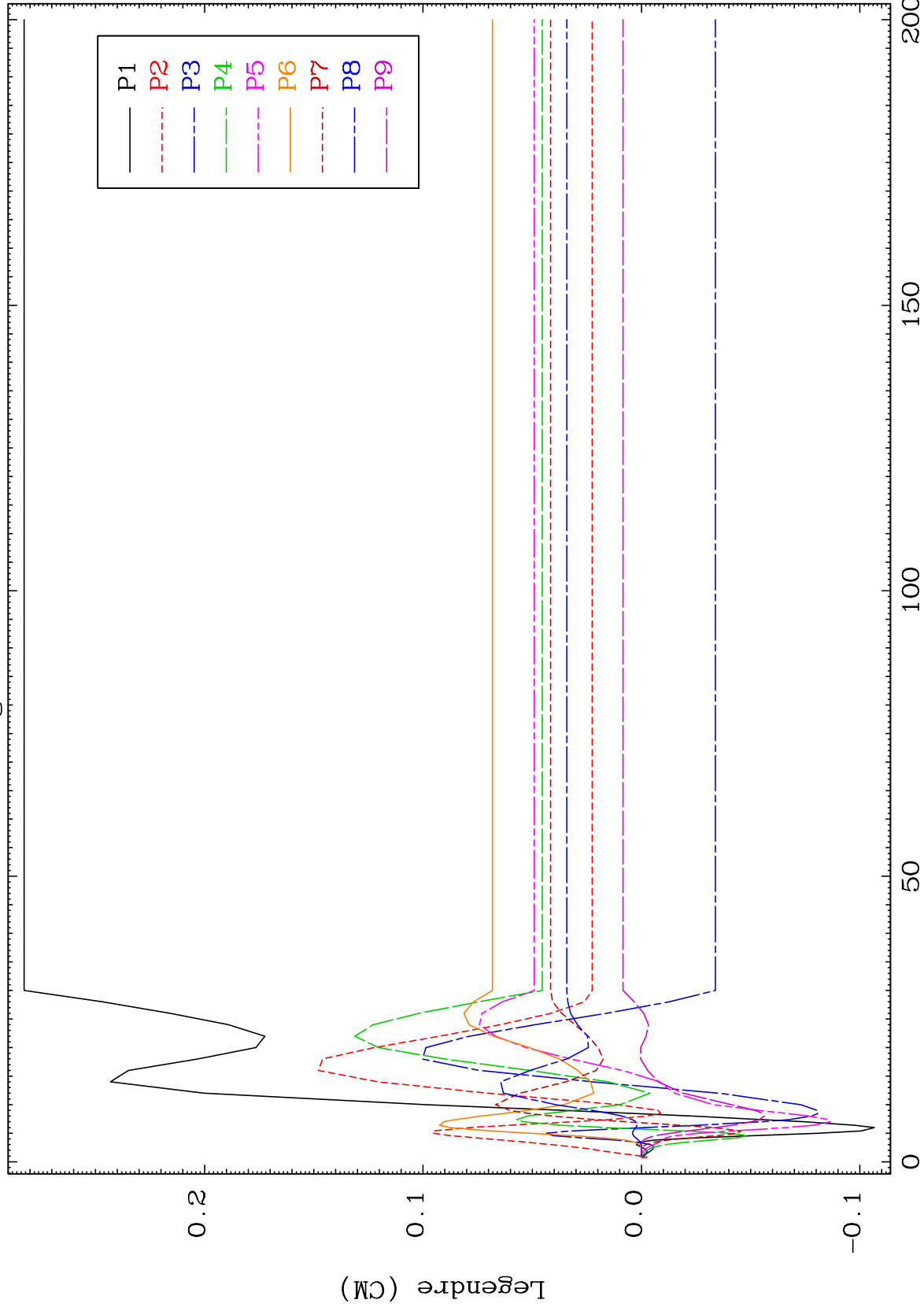




MAT 5304

707.7 keV (n,n') Level  
Legendre Coefficients

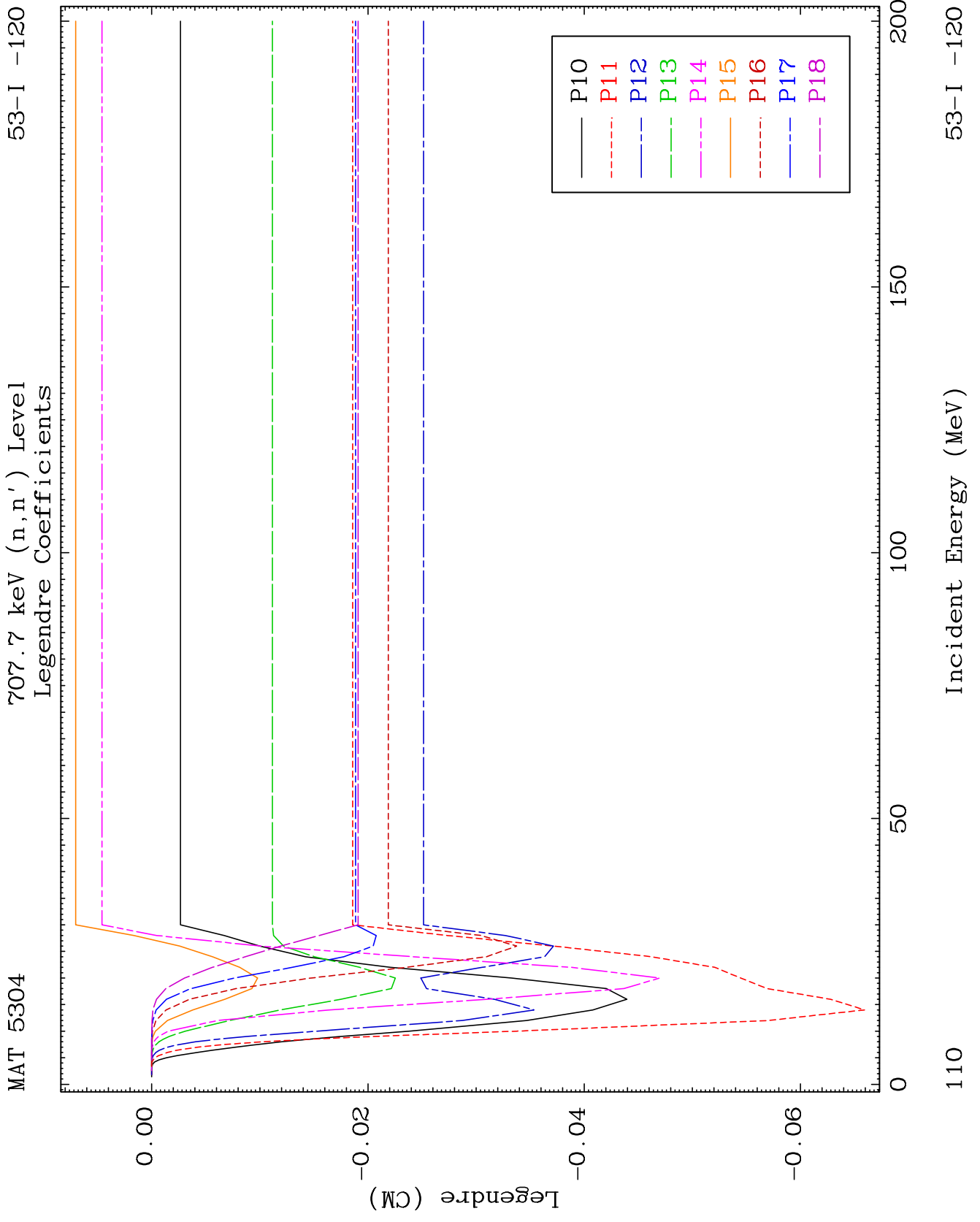
53-I -120

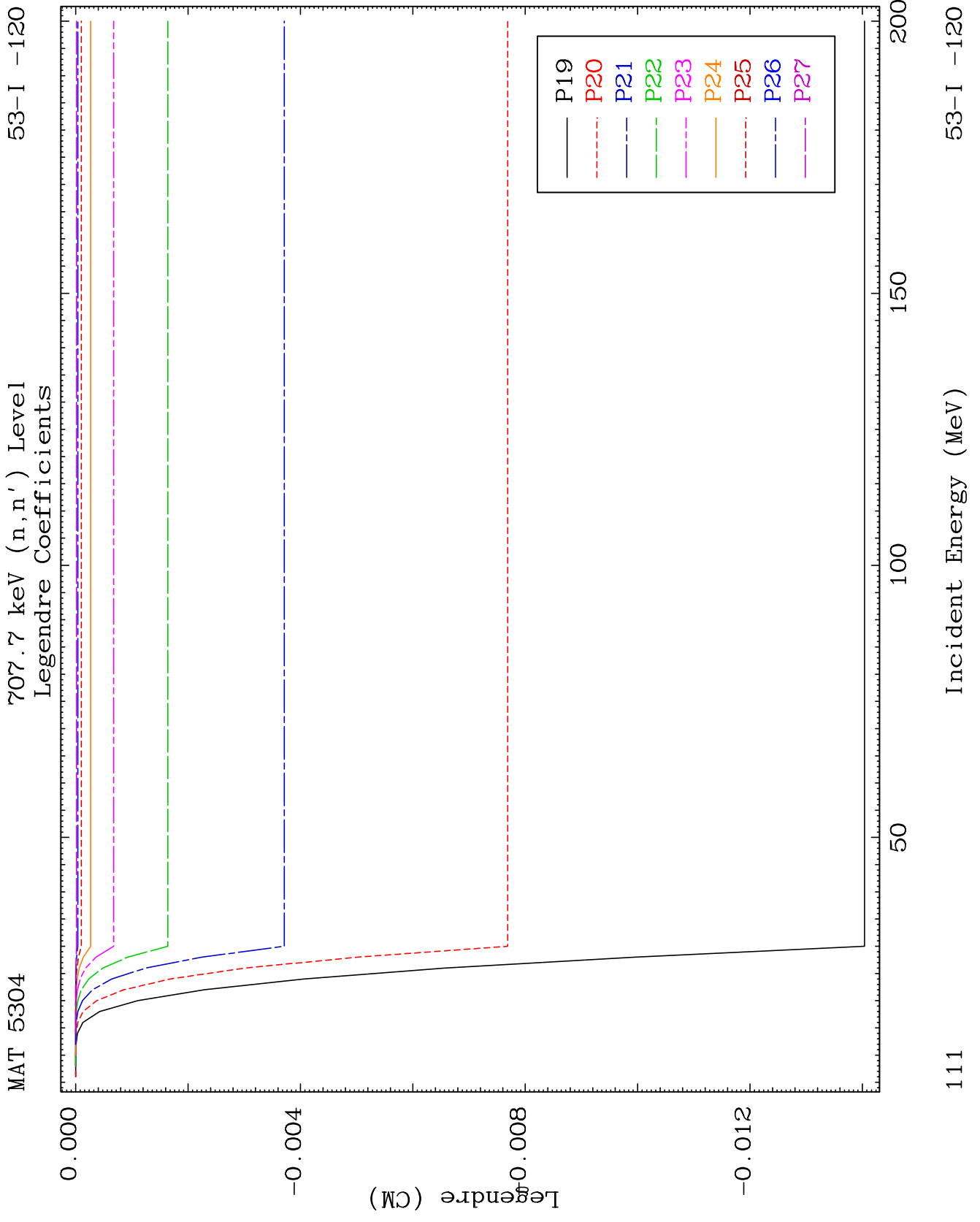


53-I -120

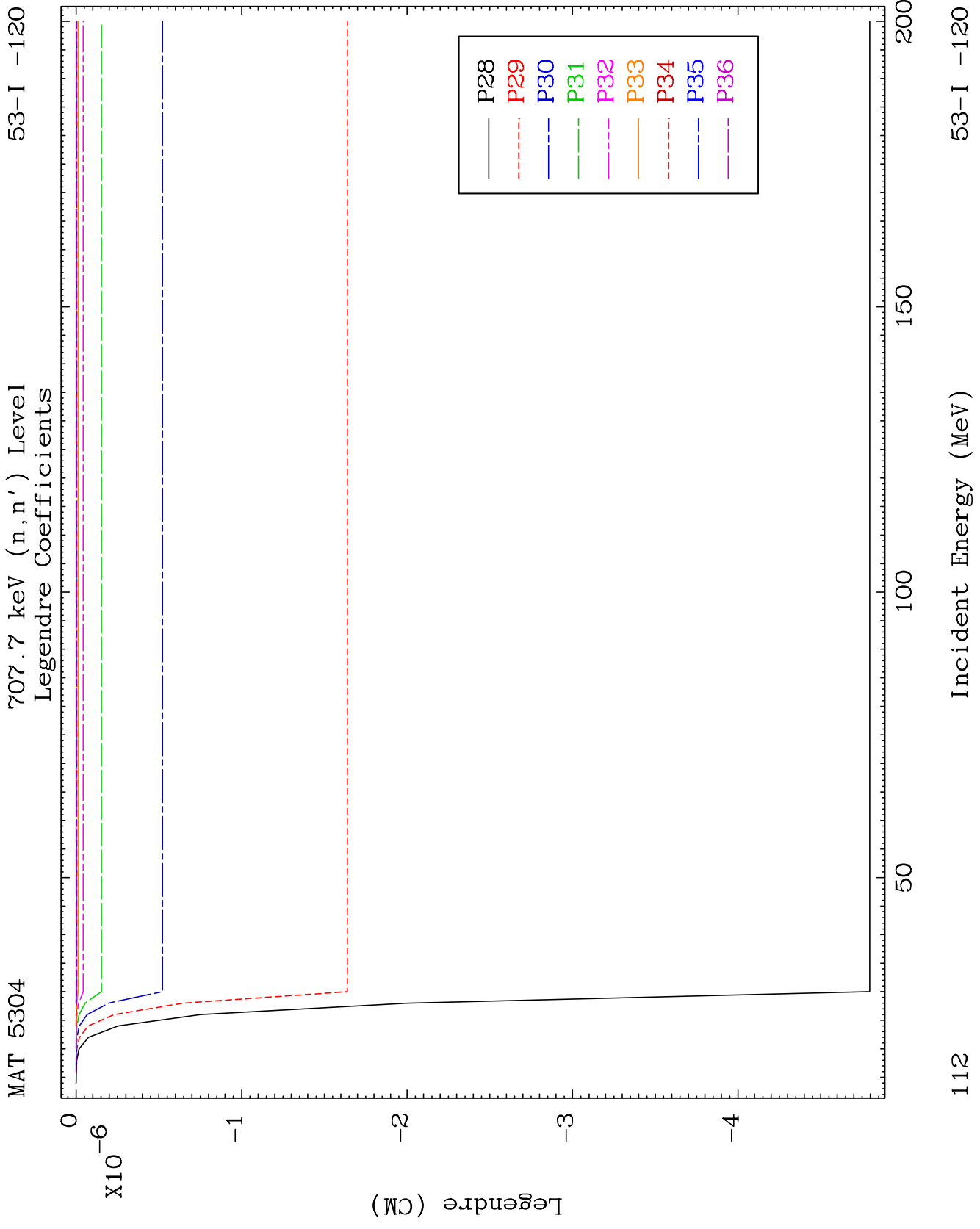
Incident Energy (MeV)

109





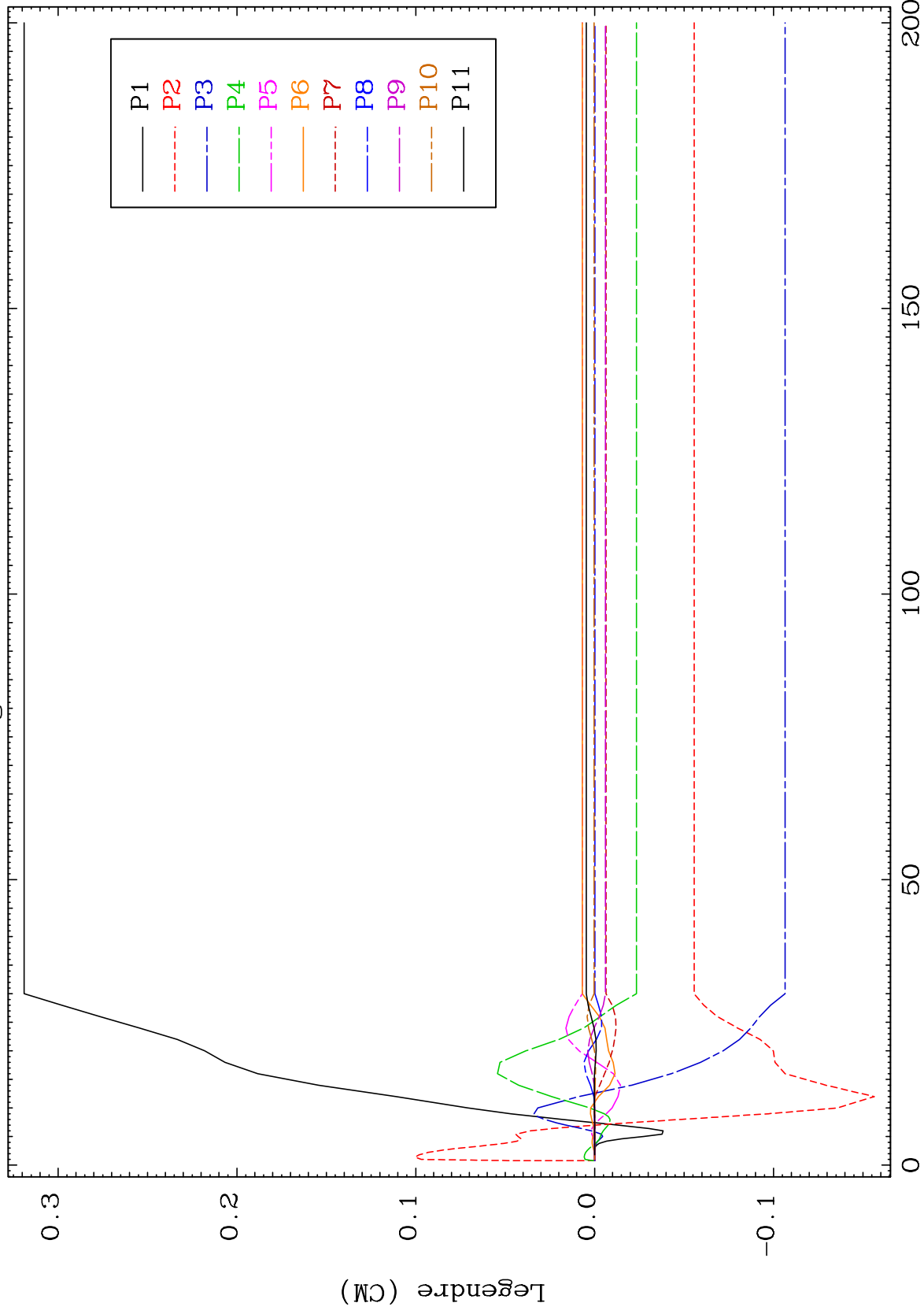




MAT 5304

765.0 keV (n,n') Level  
Legendre Coefficients

53-I -120



53-I -120

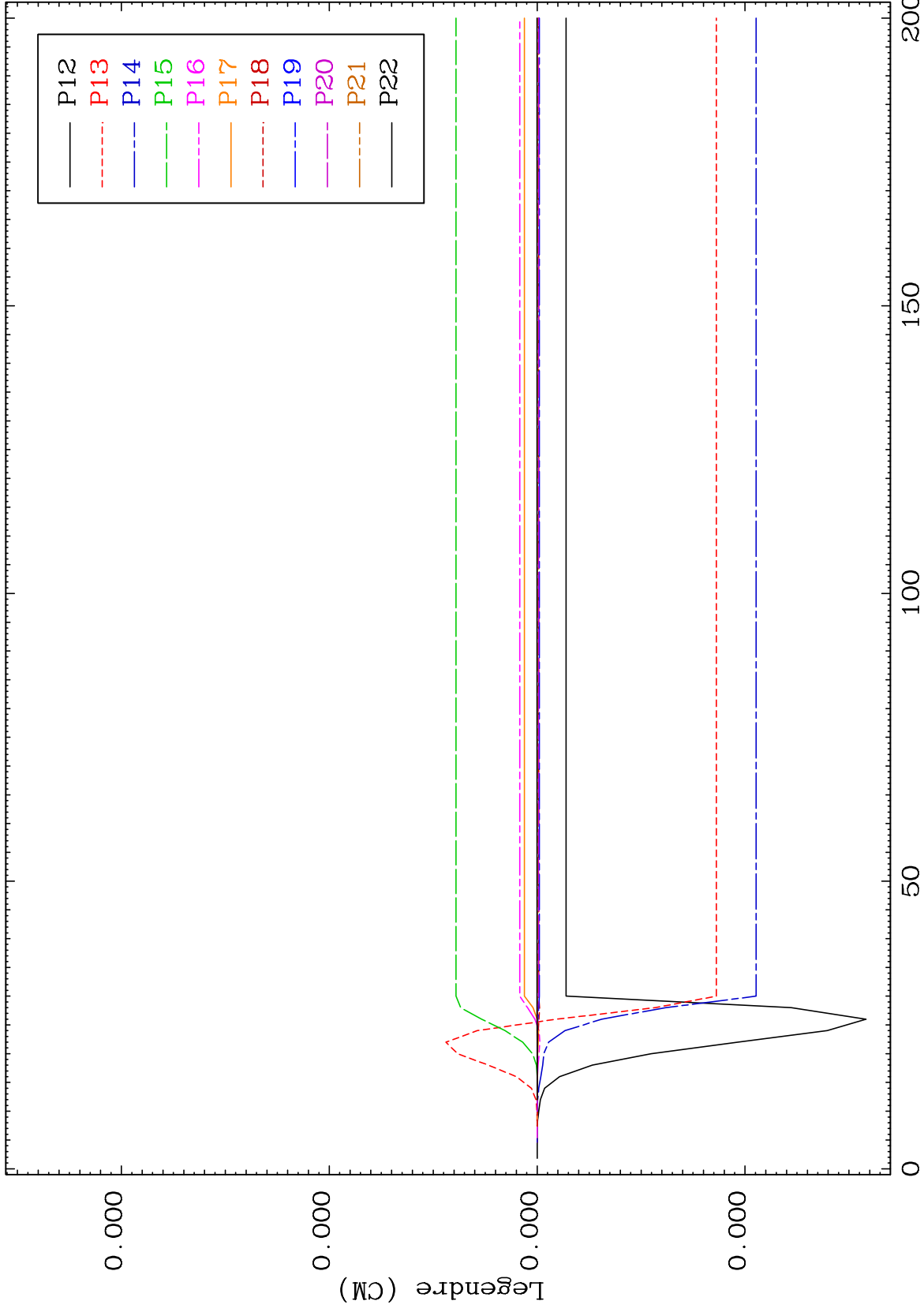
Incident Energy (MeV)

113

MAT 5304

765.0 keV (n,n') Level  
Legendre Coefficients

53-I -120



114

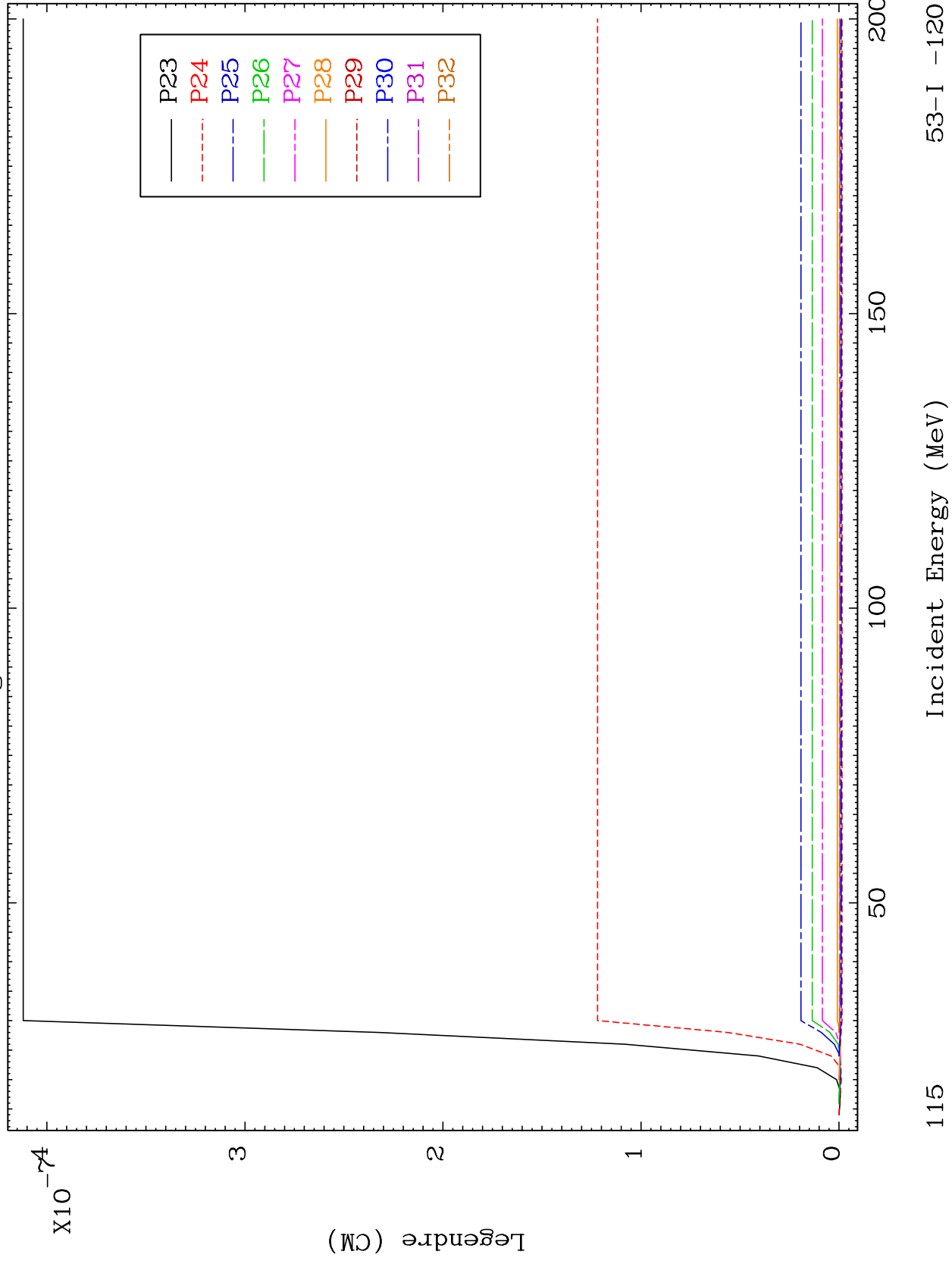
Incident Energy (MeV)

53-I -120

MAT 5304

765.0 keV (n,n') Level  
Legendre Coefficients

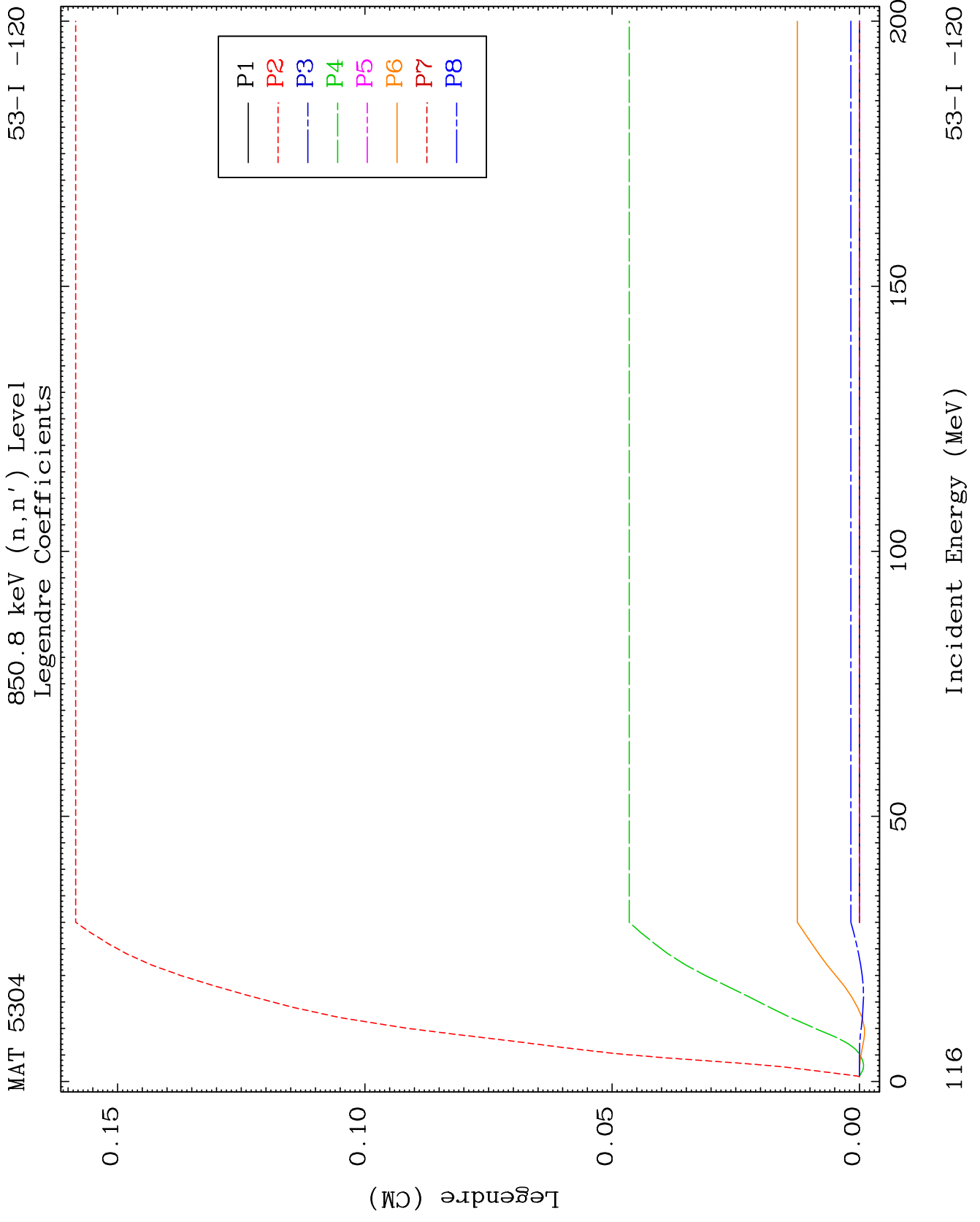
53-I -120

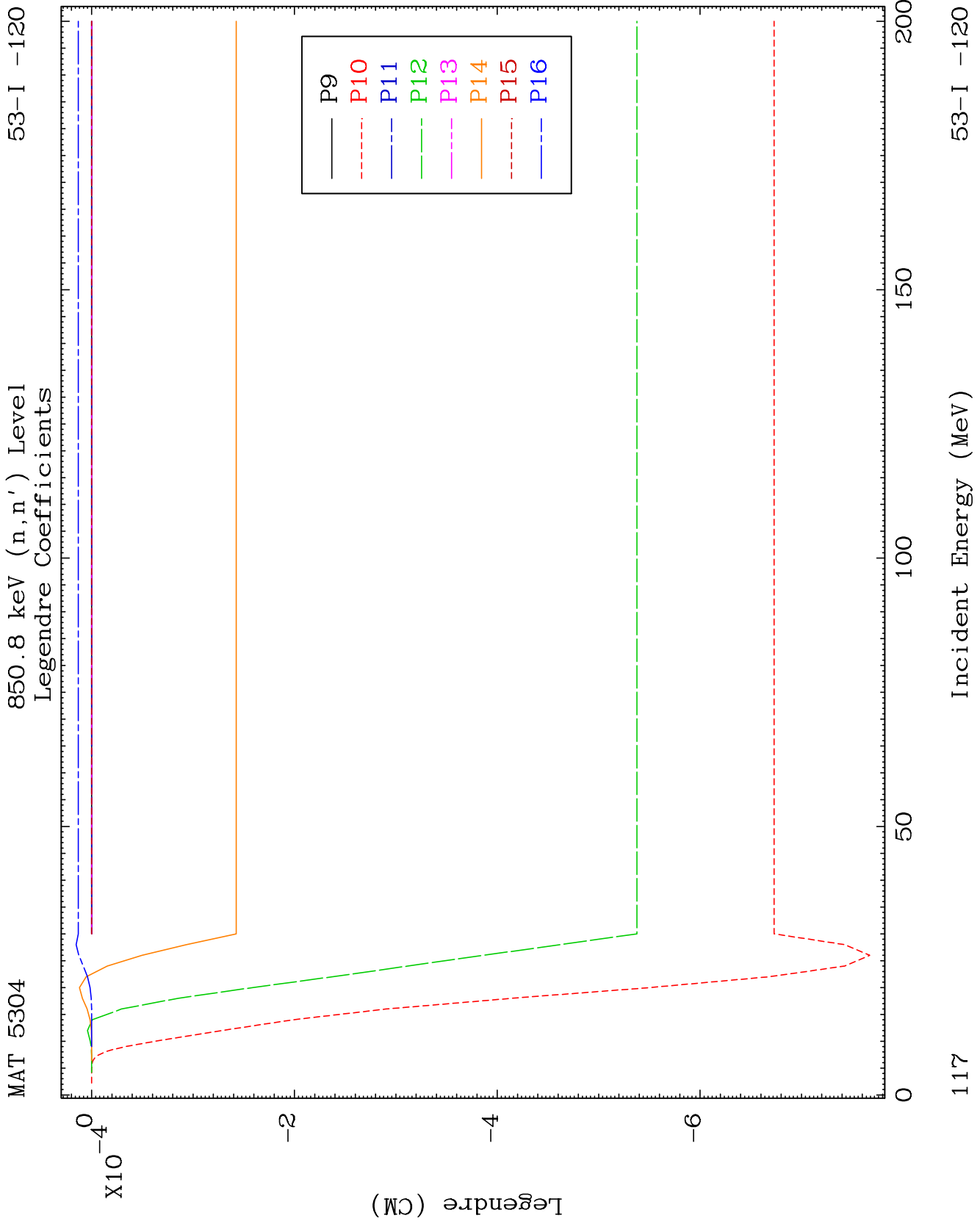


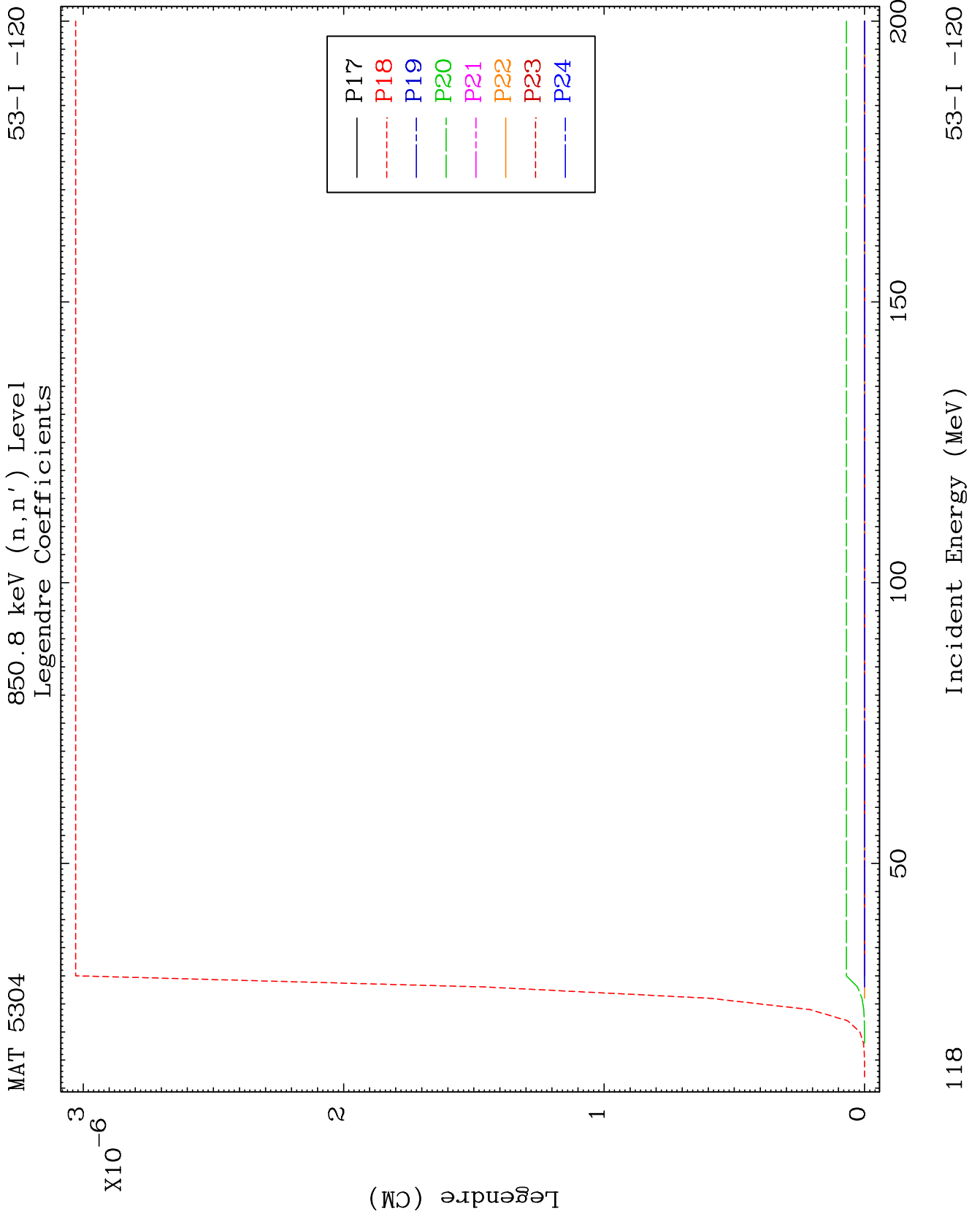
115

Incident Energy (MeV)

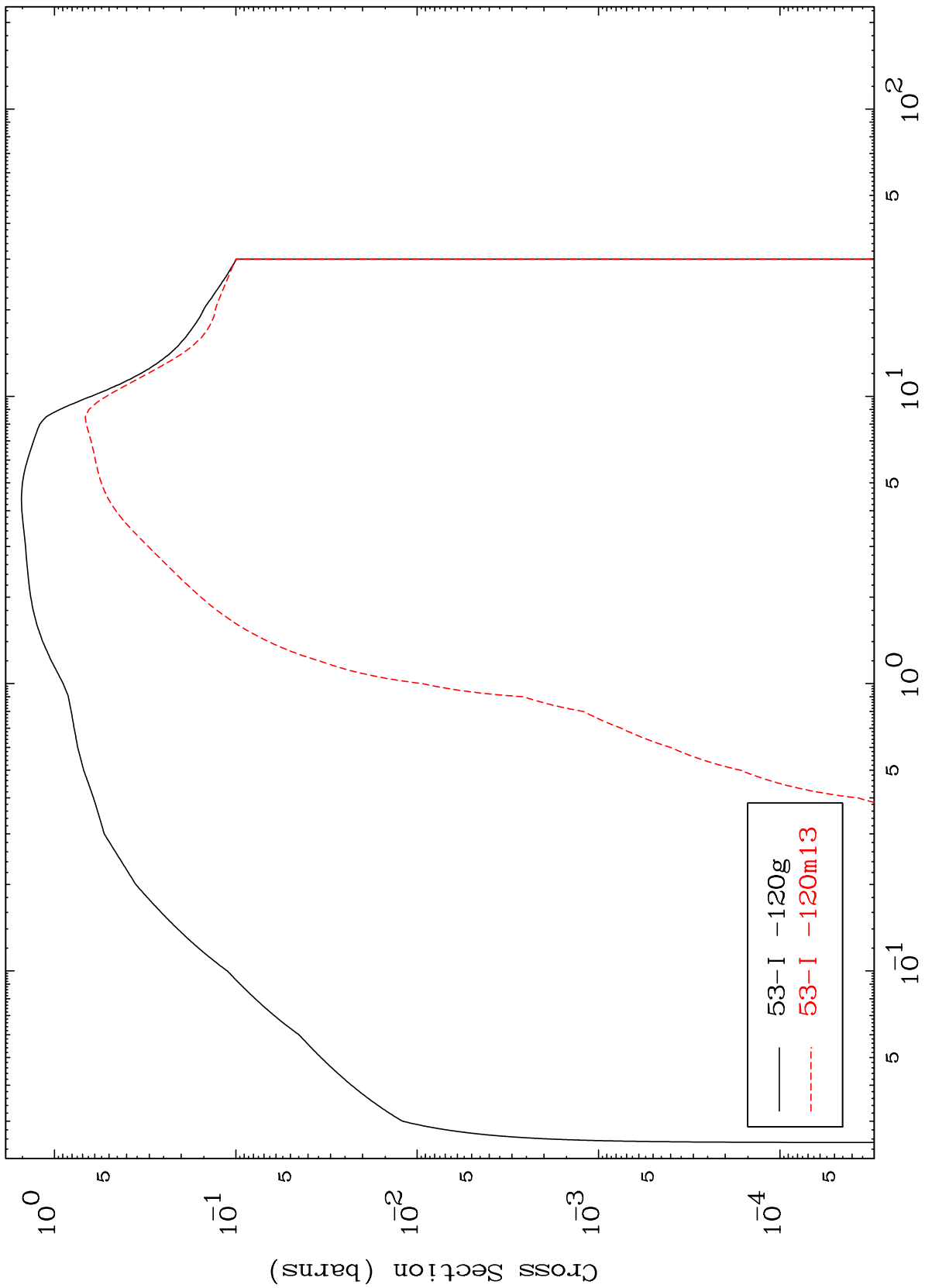
53-I -120







Inelastic  
Radionuclide Production Cross Section



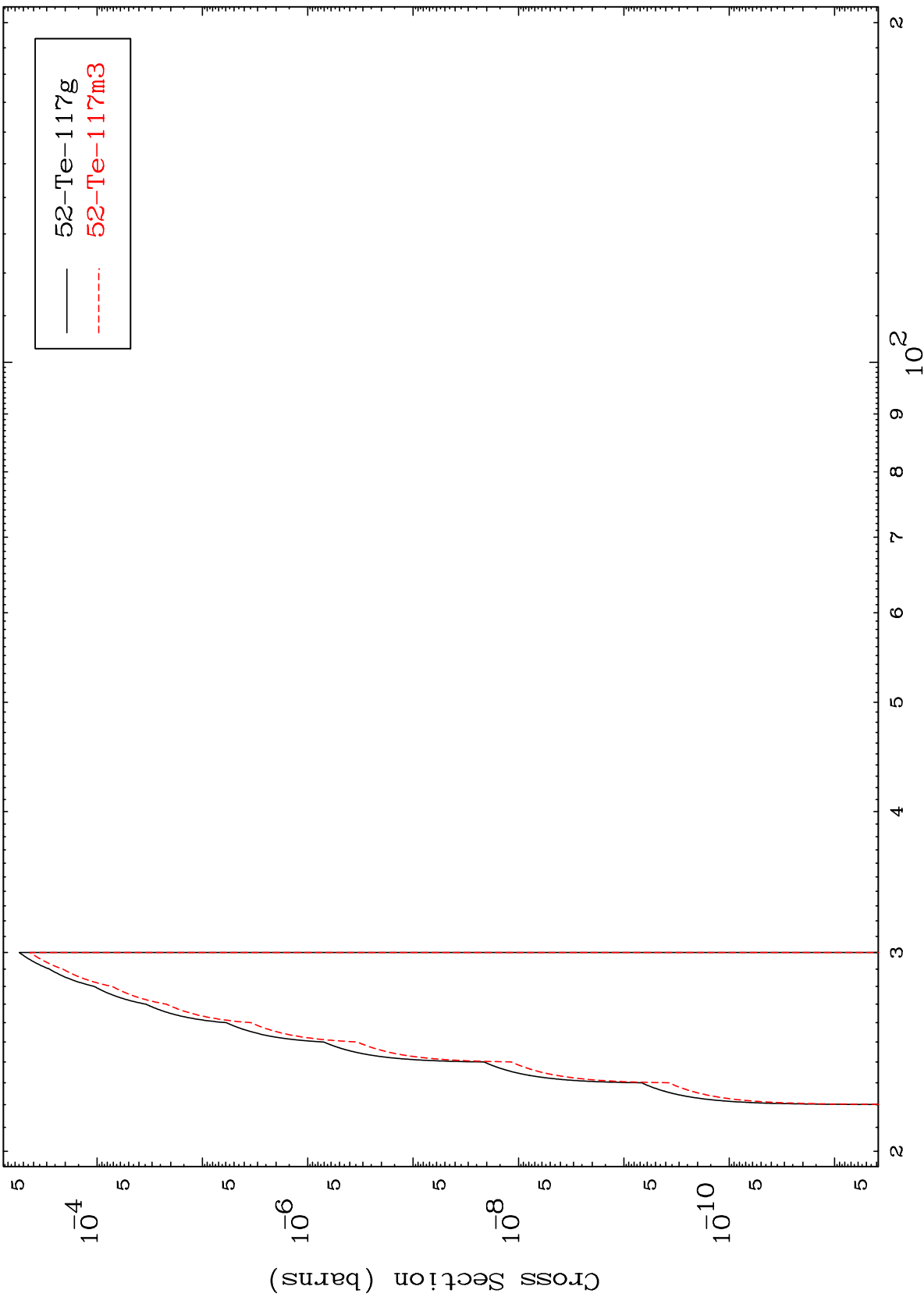


MAT 5304

(n,2n) d

53-I -120

Radionuclide Production Cross Section



120

Incident Energy (MeV)

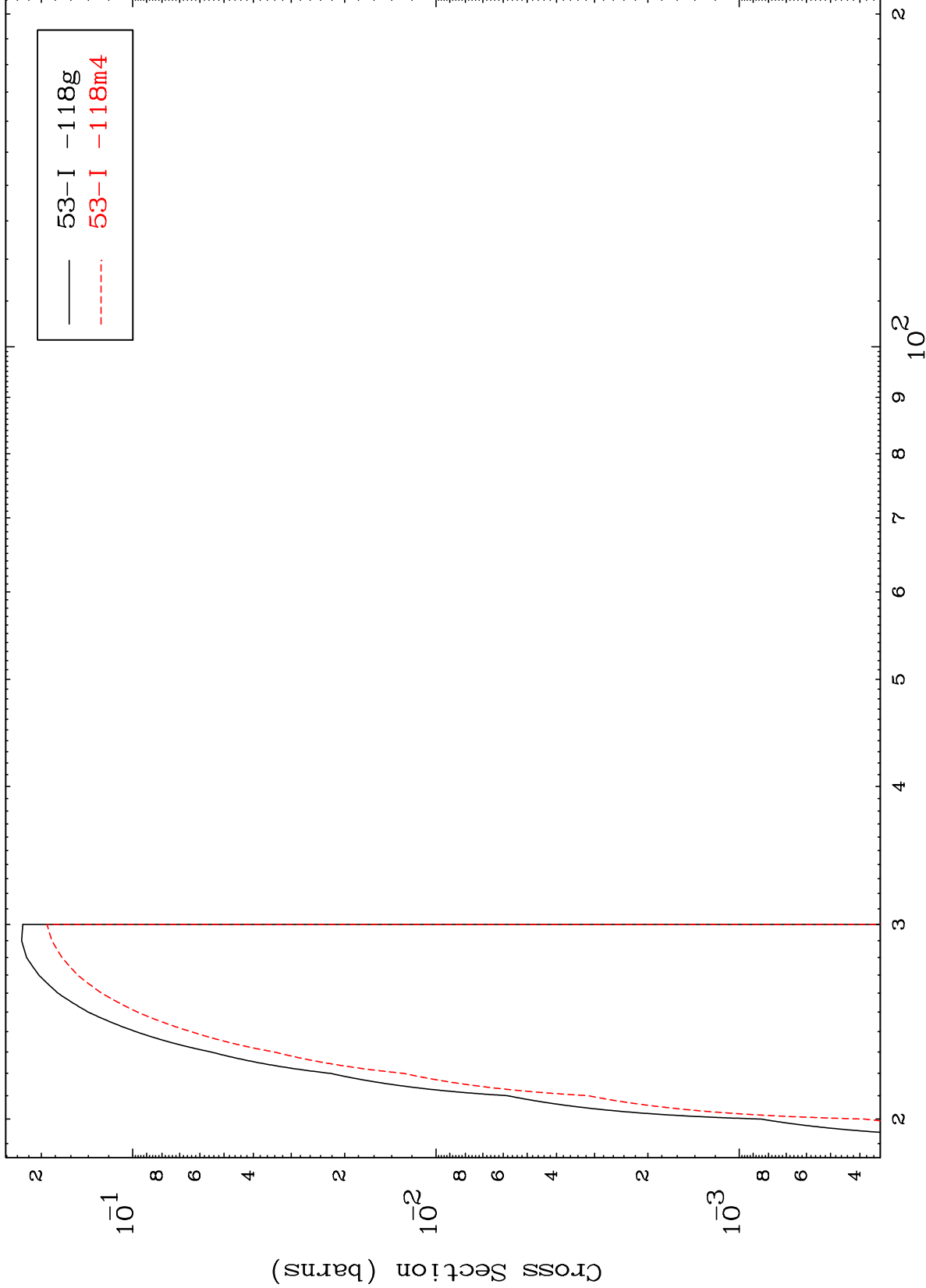
53-I -120

MAT 5304

(n,3n)

53-I -120

Radionuclide Production Cross Section



53-I -118g  
53-I -118m4

121

Incident Energy (MeV)

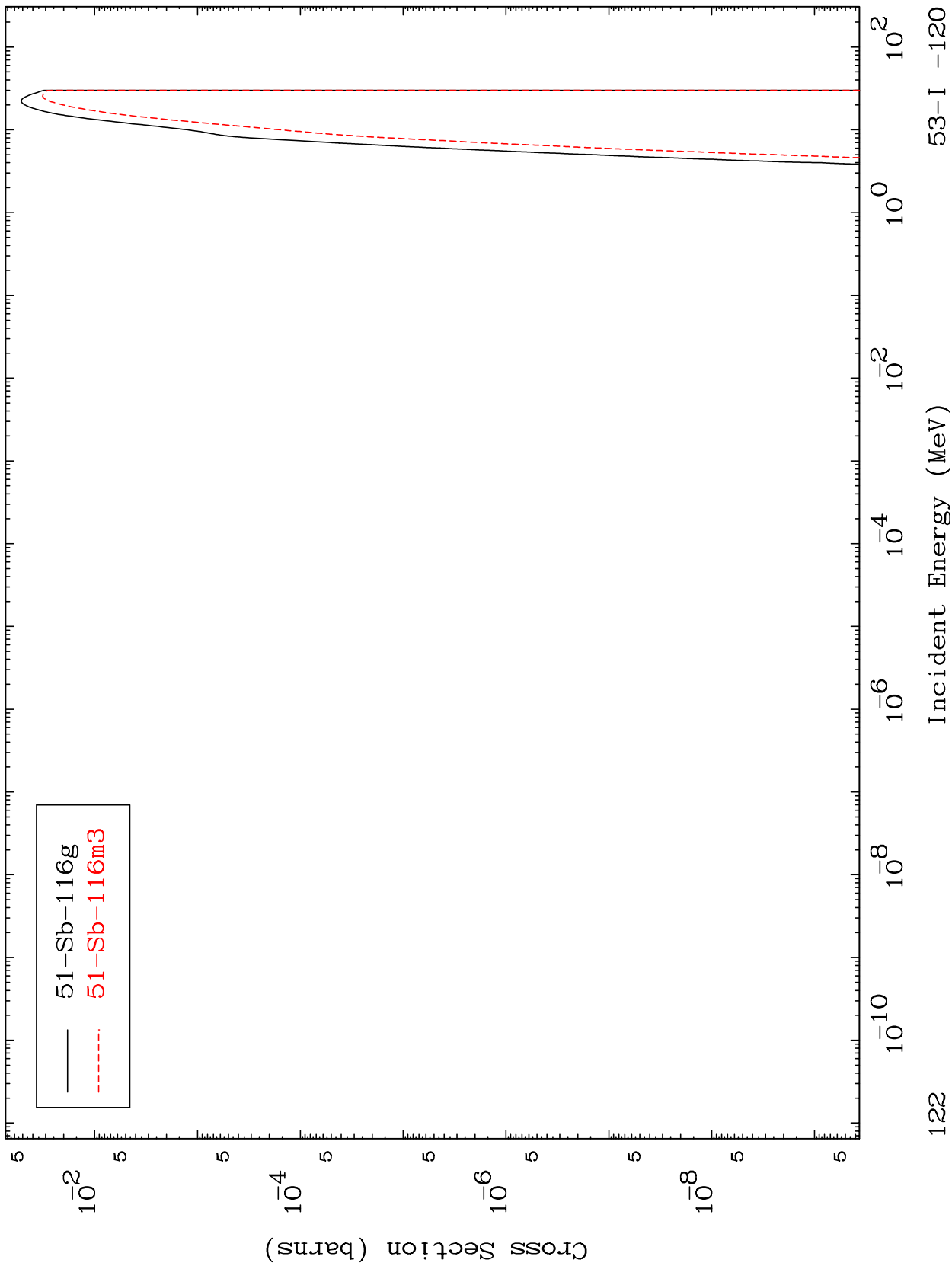
53-I -120

MAT 5304

(n,n')  $\alpha$

53-I -120

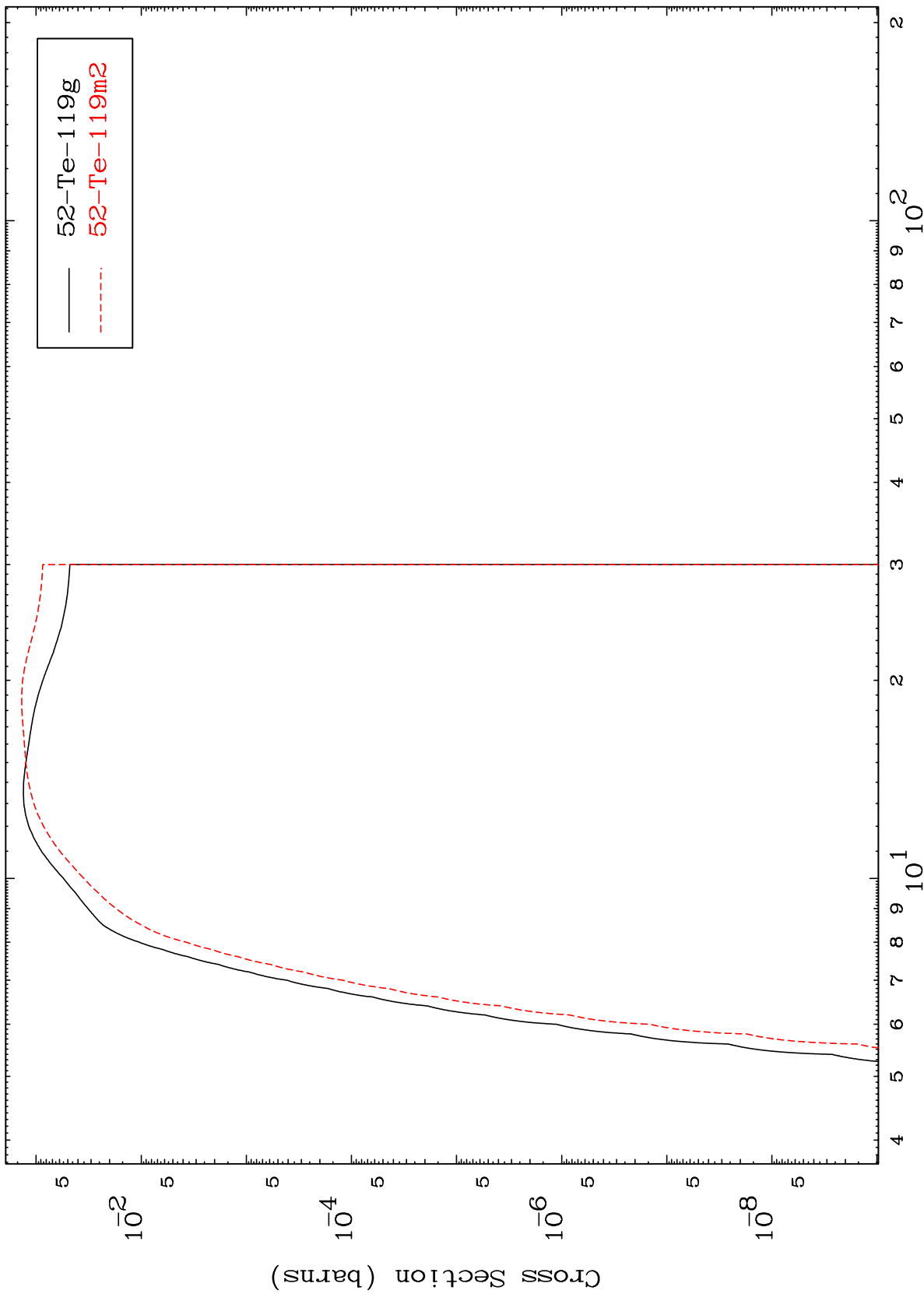
Radionuclide Production Cross Section



51-Sb-116g  
51-Sb-116m3

(n,n') p

Radionuclide Production Cross Section

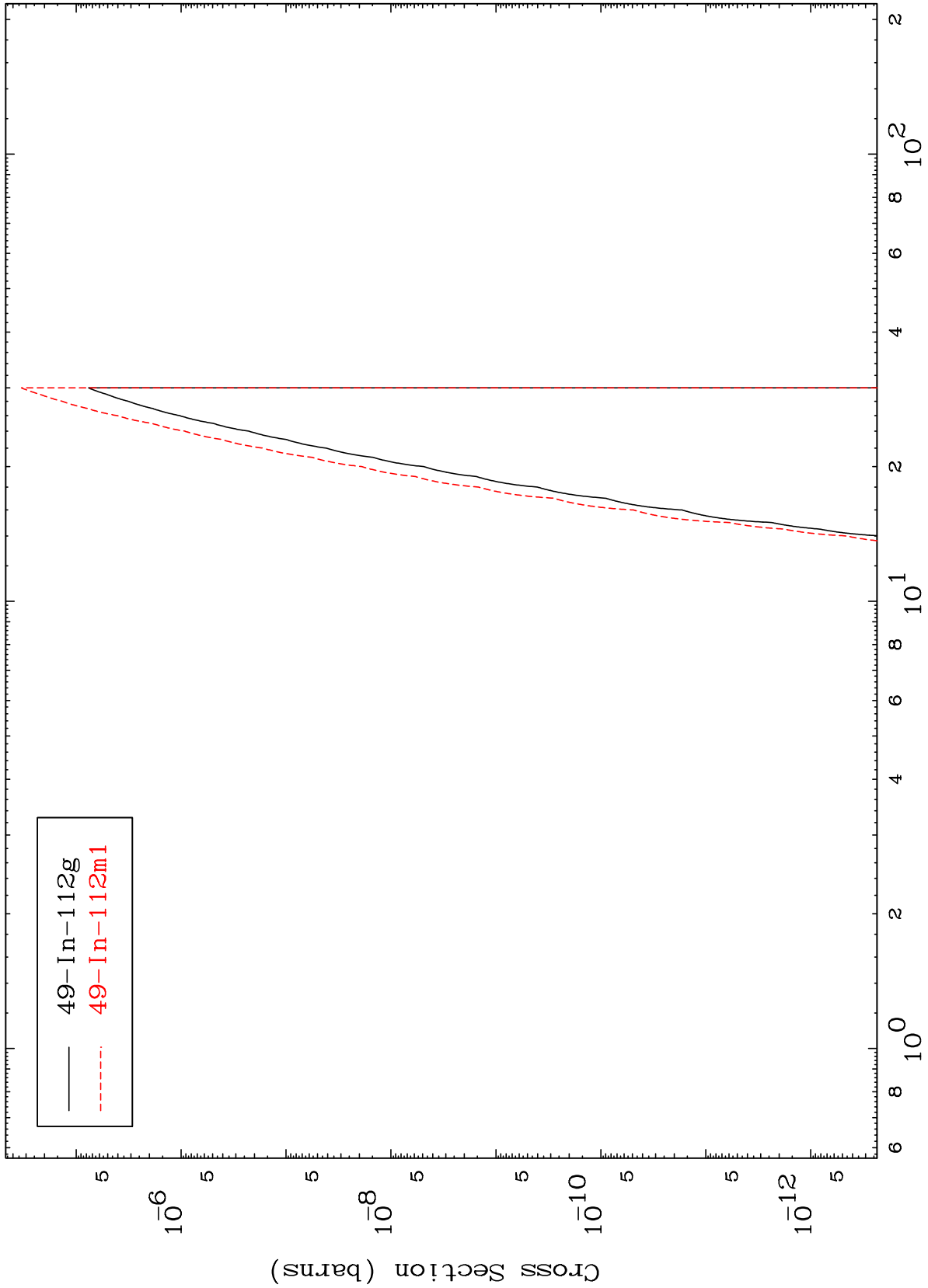
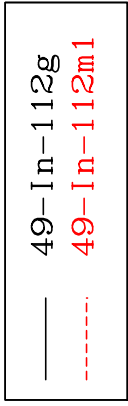


MAT 5304

(n,n') 2α

53-I -120

Radionuclide Production Cross Section



124

Incident Energy (MeV)

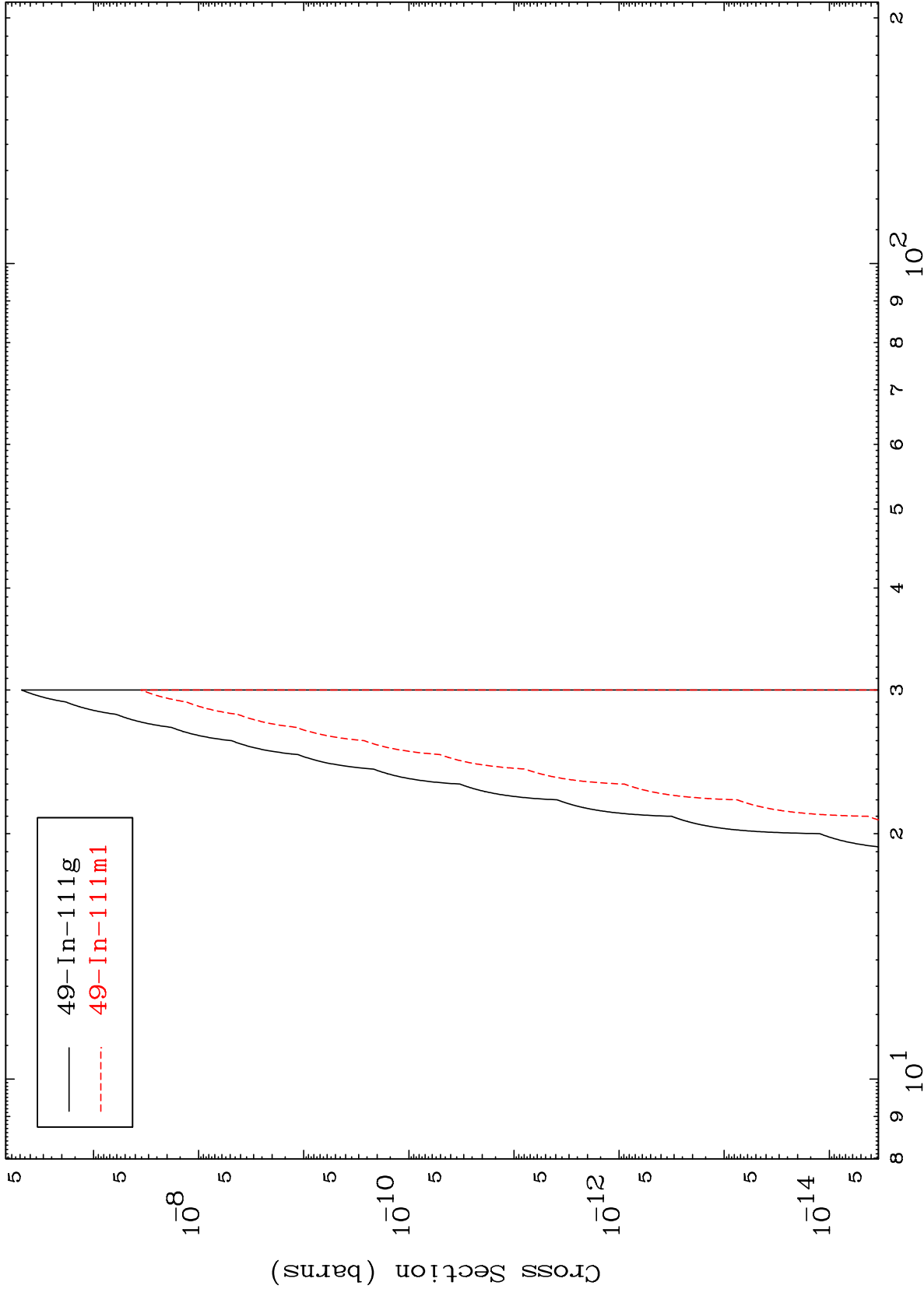
53-I -120

MAT 5304

(n,2n) 2α

53-I -120

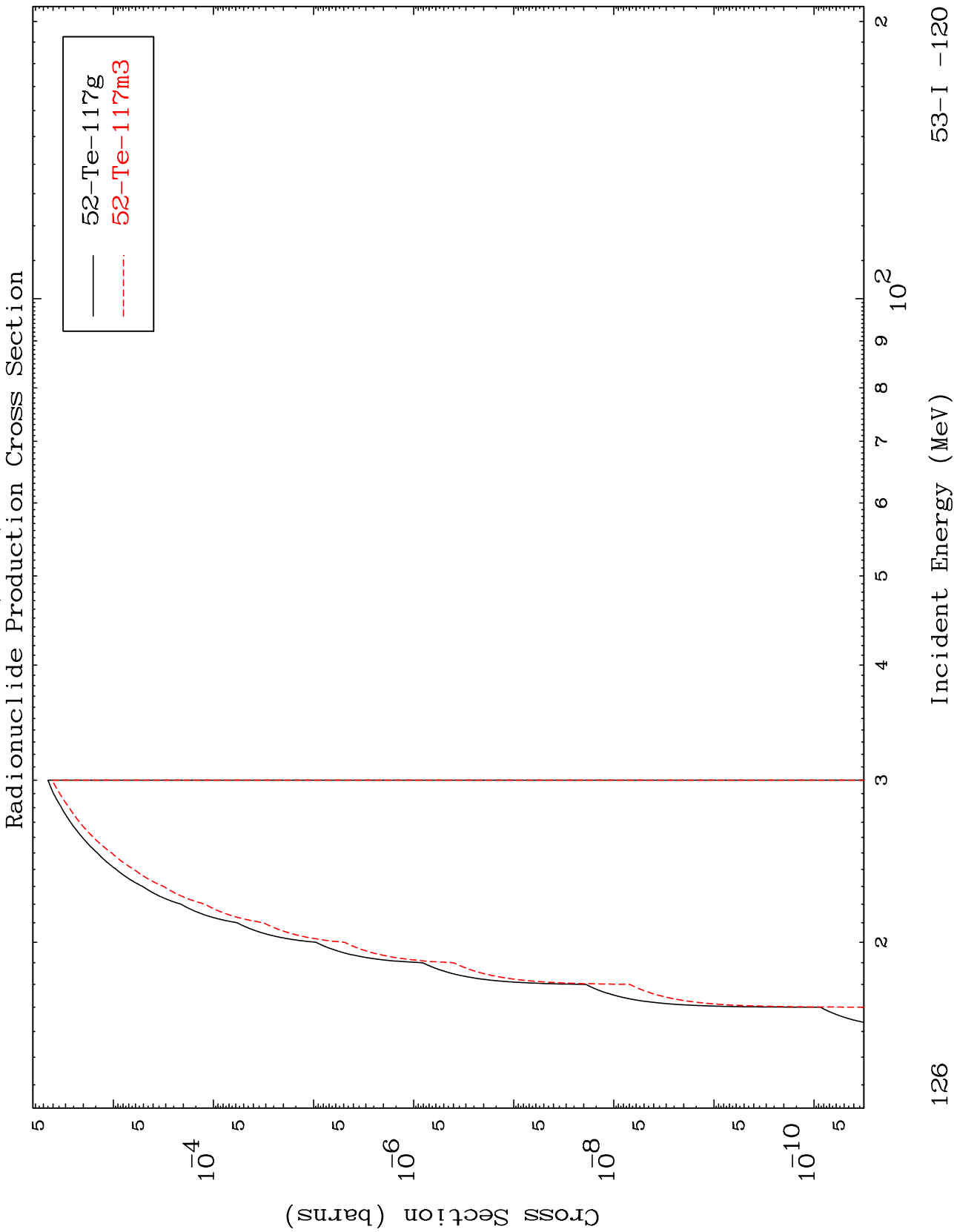
Radionuclide Production Cross Section



125

Incident Energy (MeV)

53-I -120

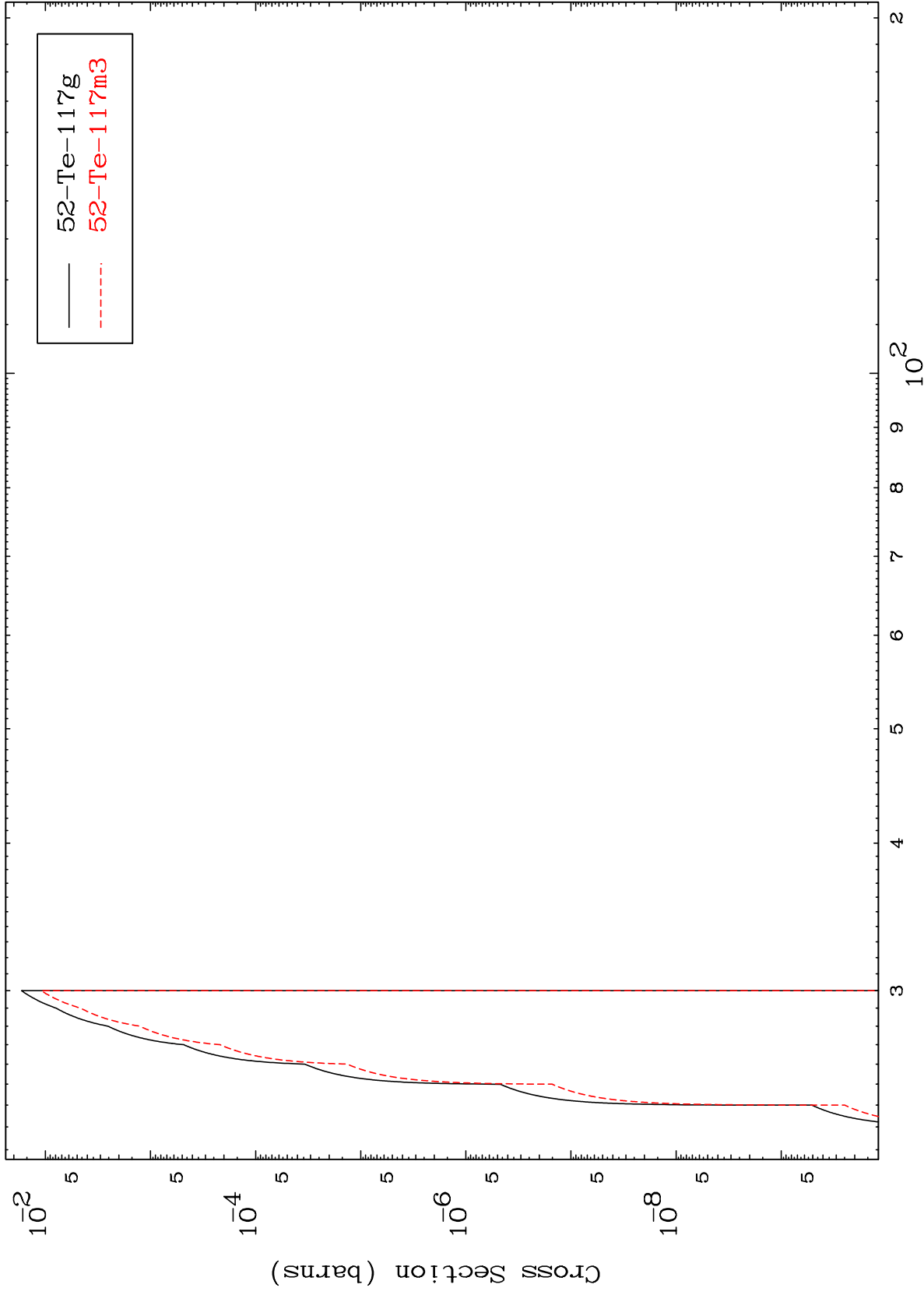


MAT 5304

(n,3n) p

53-I -120

Radionuclide Production Cross Section



127

Incident Energy (MeV)

53-I -120

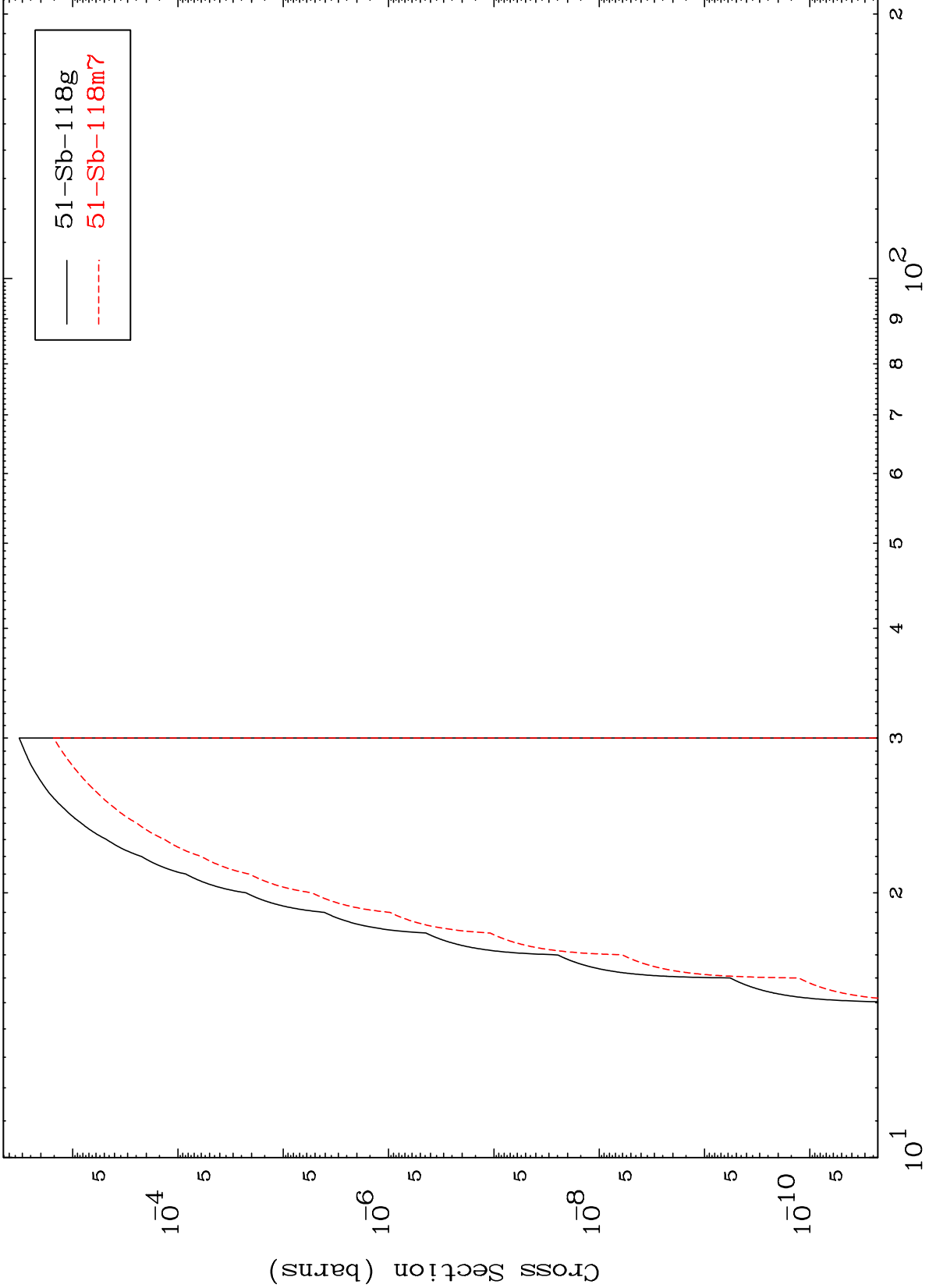


MAT 5304

(n,2n) p

53-I -120

Radionuclide Production Cross Section



51-Sb-118g  
51-Sb-118m7

128

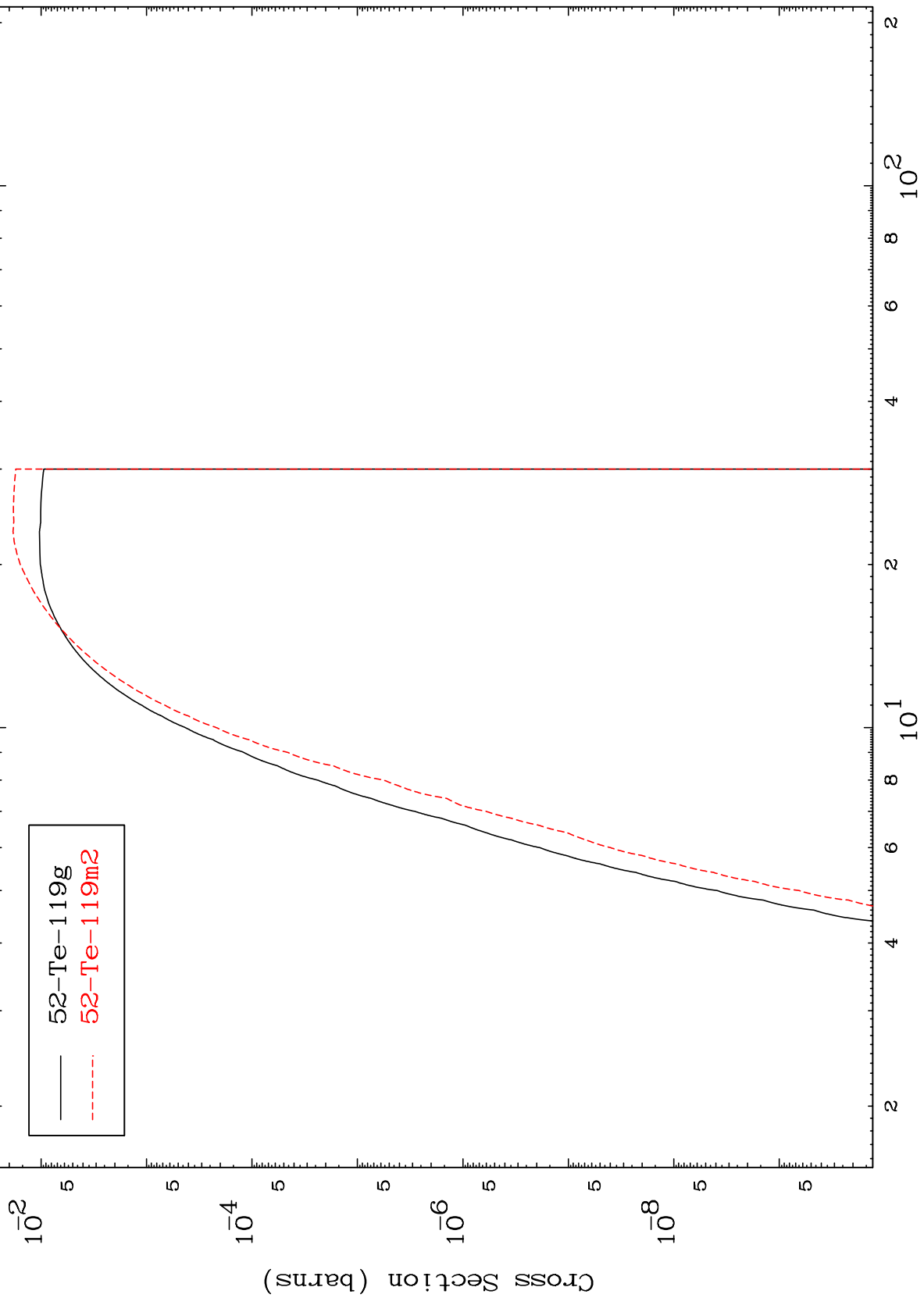
Incident Energy (MeV)

53-I -120

MAT 5304

53-I -120

(n,d)  
Radionuclide Production Cross Section



52-Te-119g  
52-Te-119m2

129

Incident Energy (MeV)

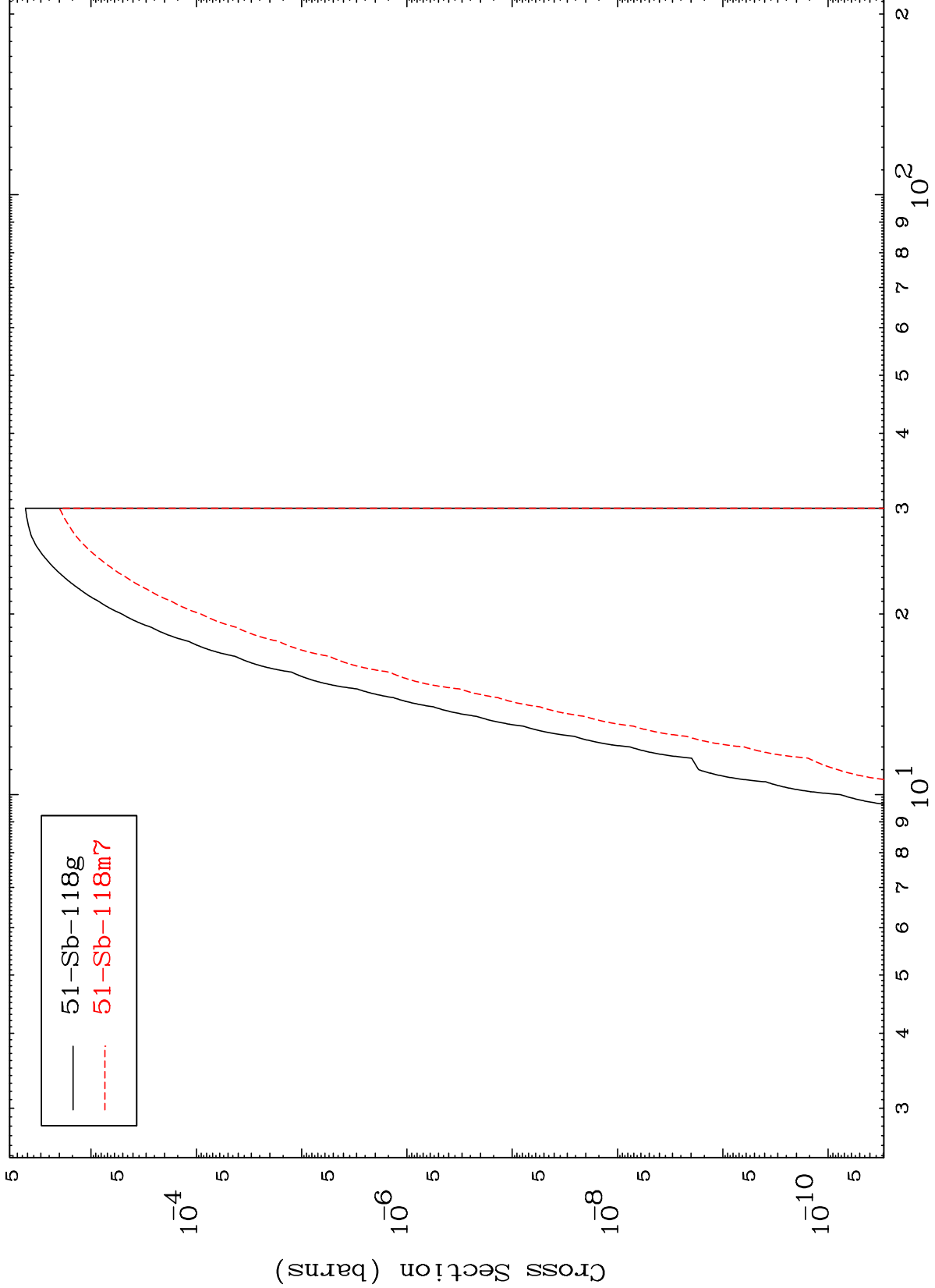
53-I -120

MAT 5304

(n,He-3)

53-I -120

Radionuclide Production Cross Section



51-Sb-118g  
51-Sb-118m7

130

Incident Energy (MeV)

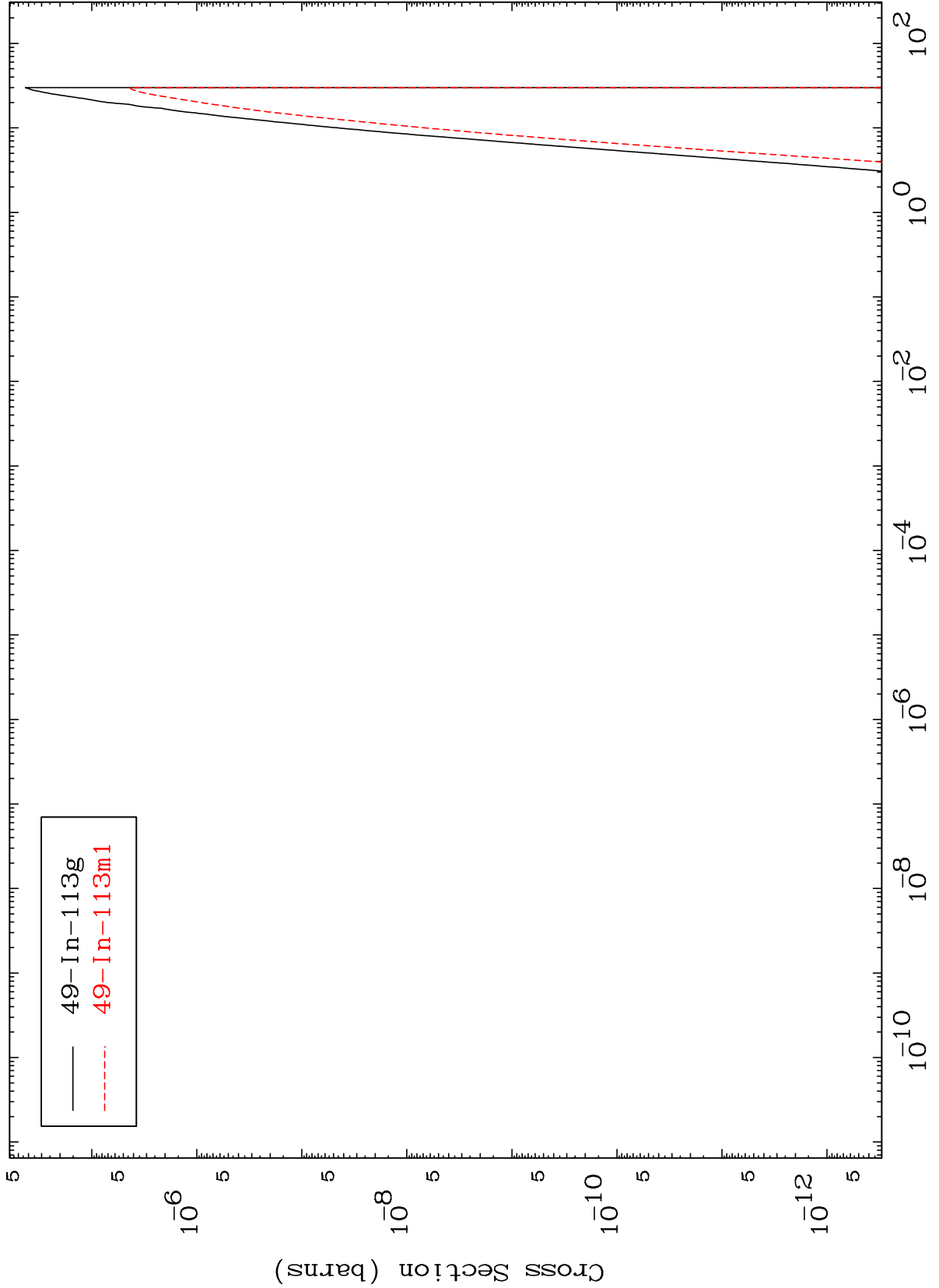
53-I -120

MAT 5304

(n,2α)

53-I -120

Radionuclide Production Cross Section



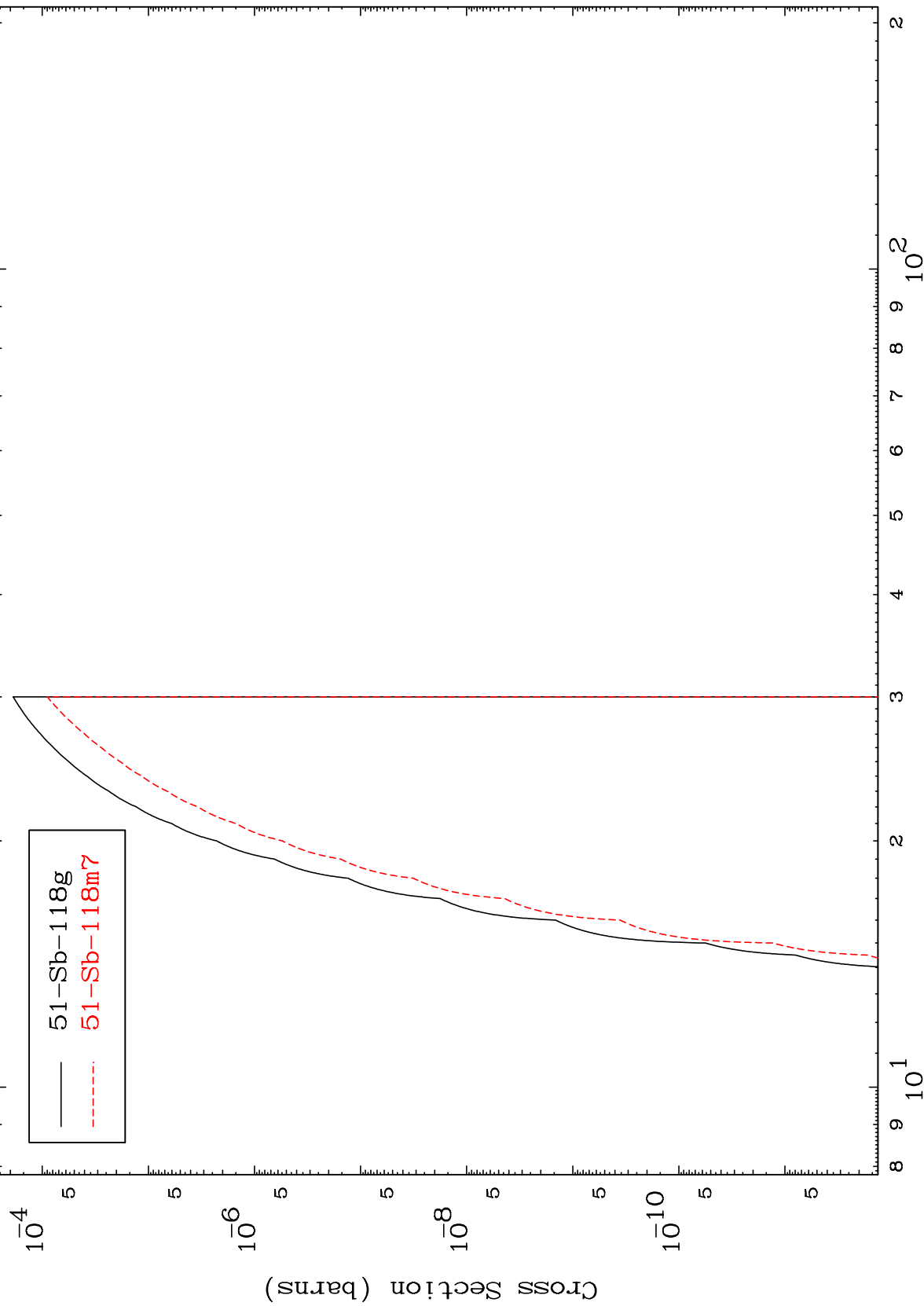
— 49-In-113g  
- - - 49-In-113m1

MAT 5304

(n,p) d

53-I -120

Radionuclide Production Cross Section



51-Sb-118g  
51-Sb-118m7

132

Incident Energy (MeV)

53-I -120