

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

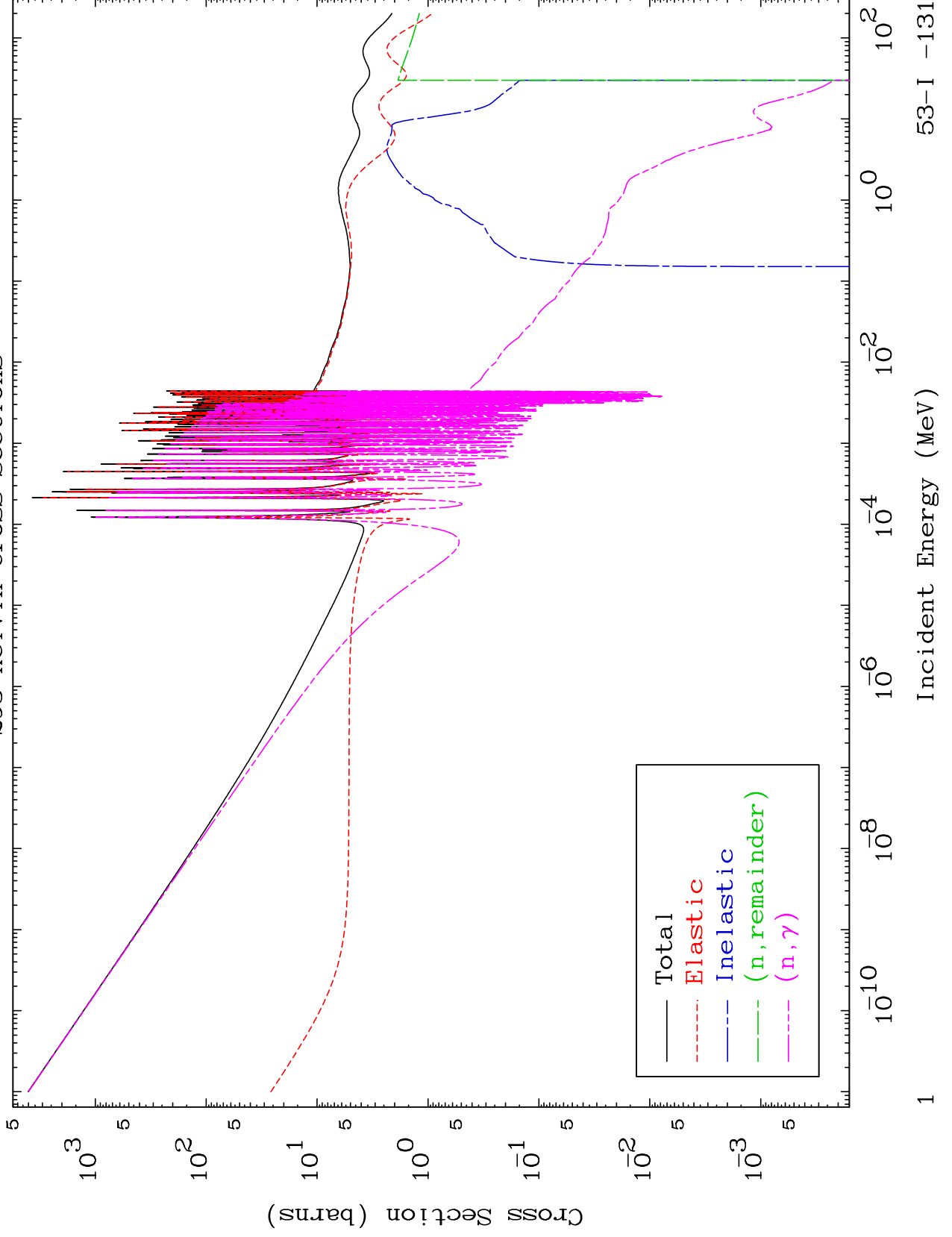
Press Mouse Button to Start

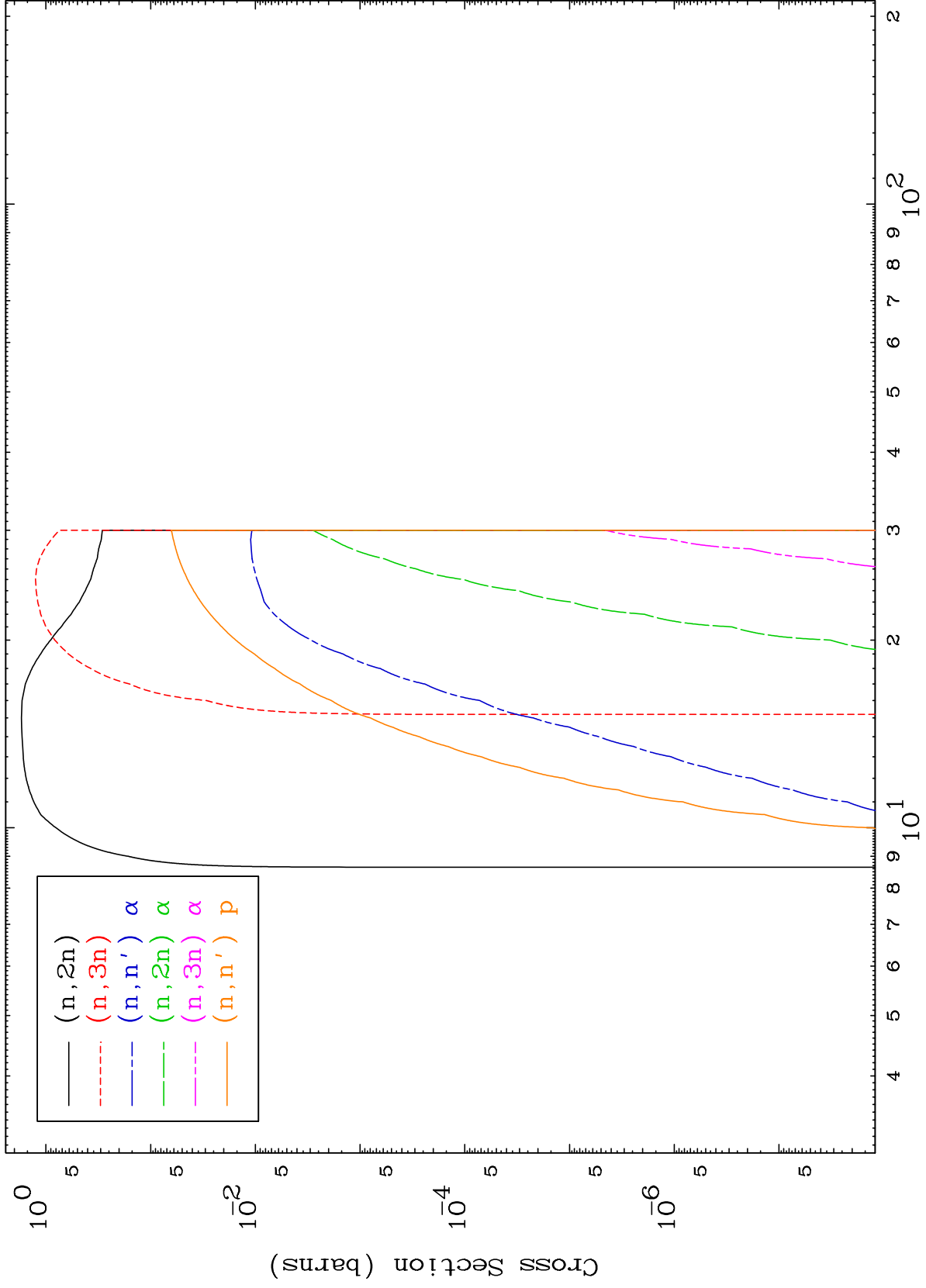
MAT 5337

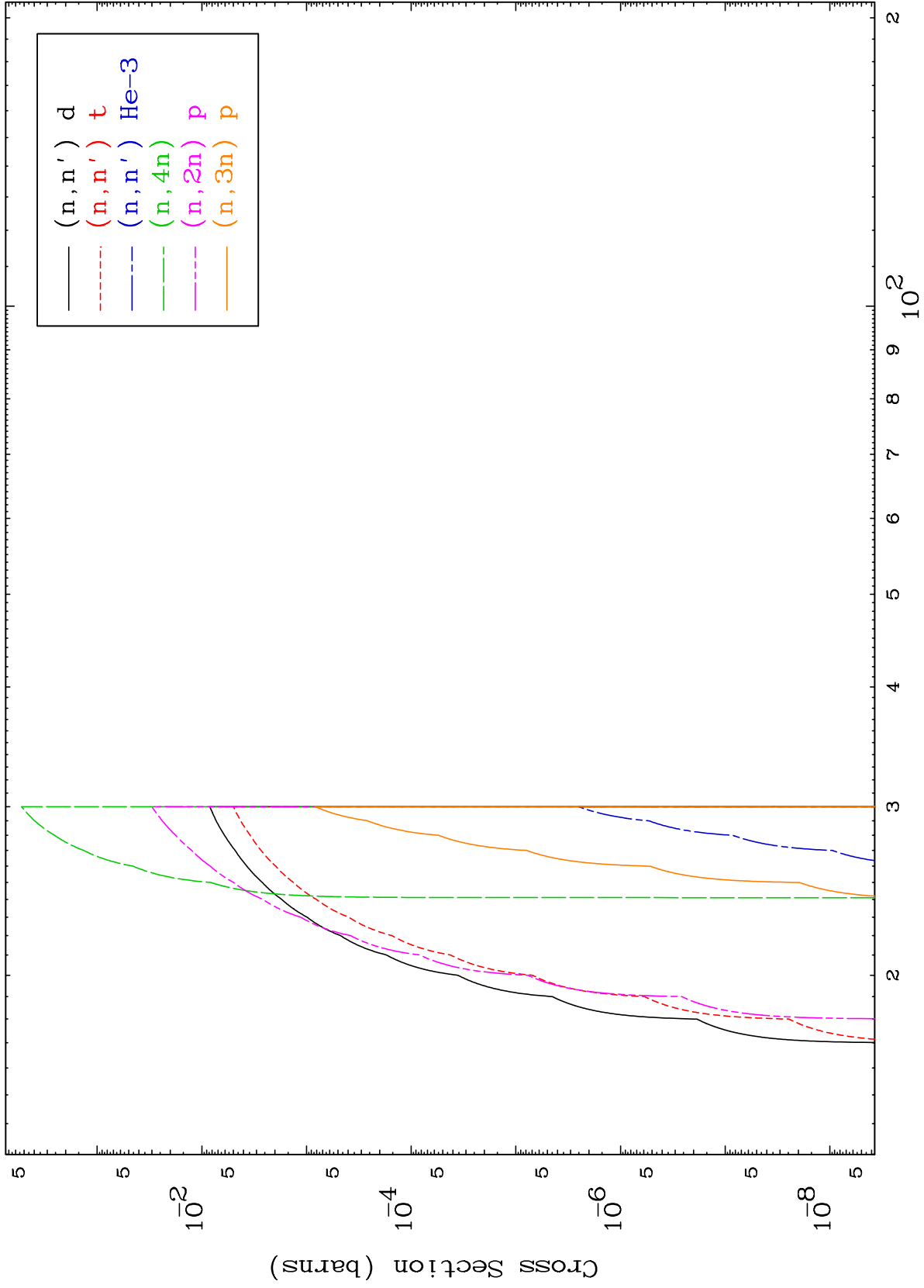
Major

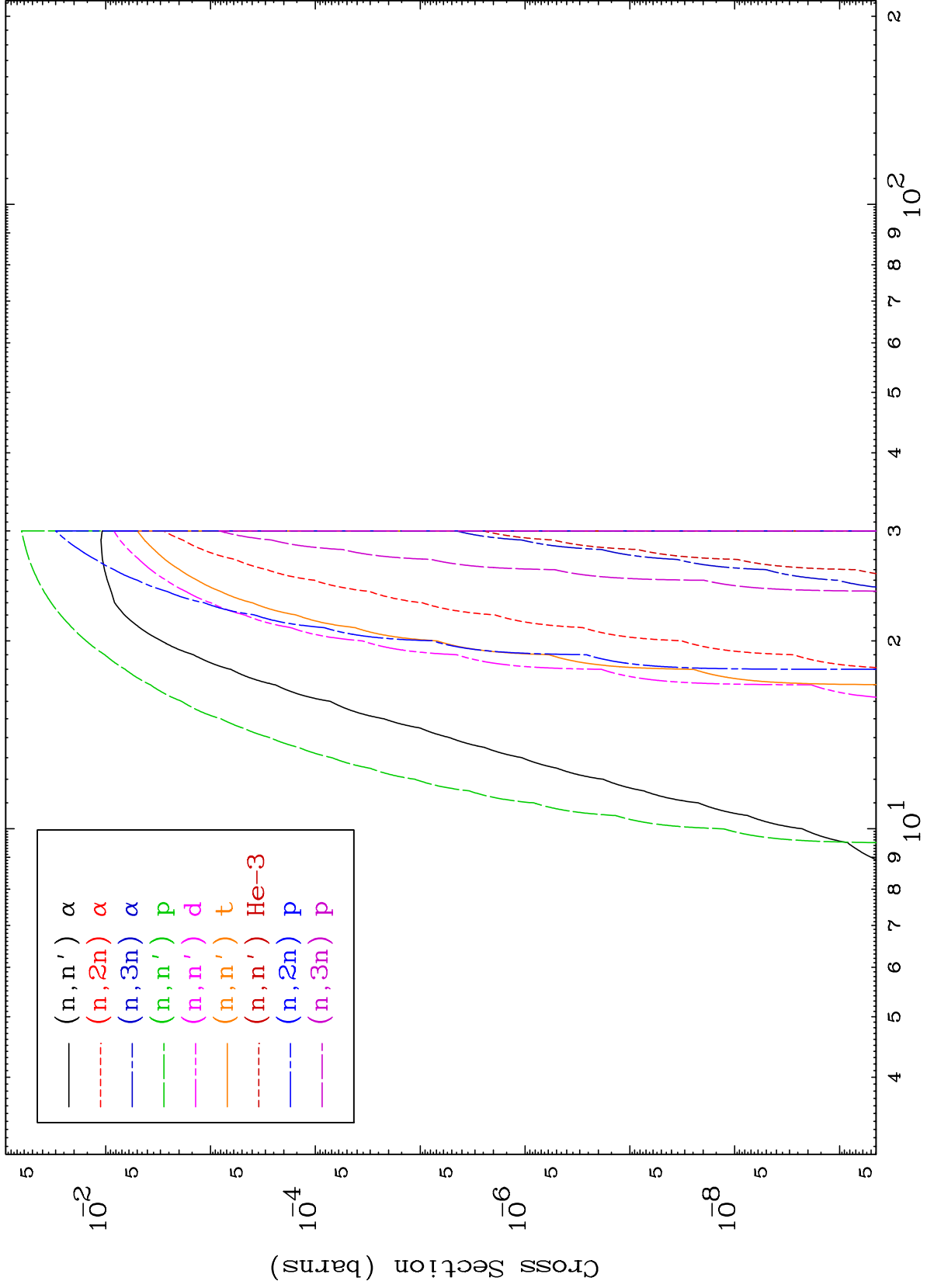
293 Kelvin Cross Sections

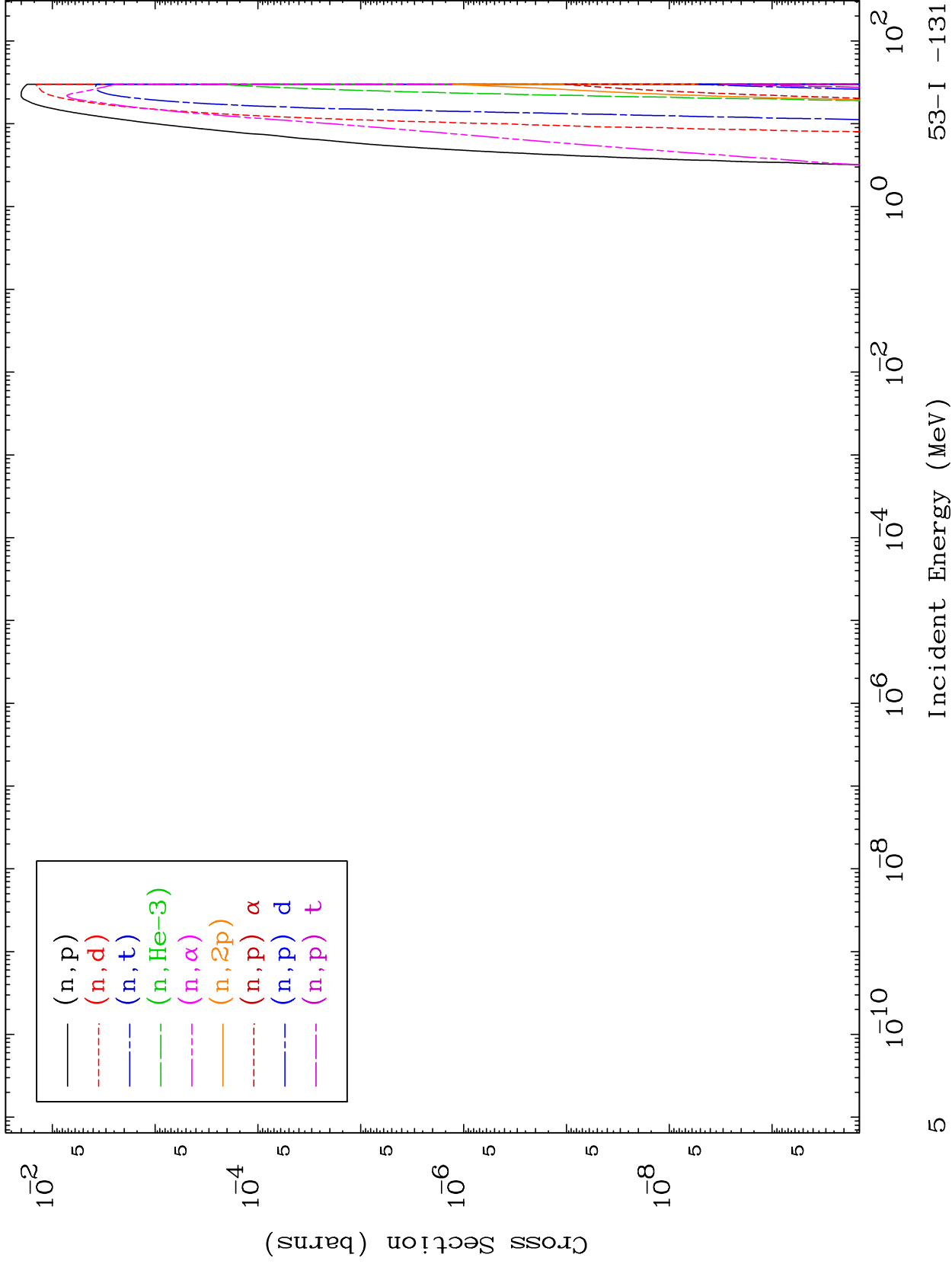
53-I -131







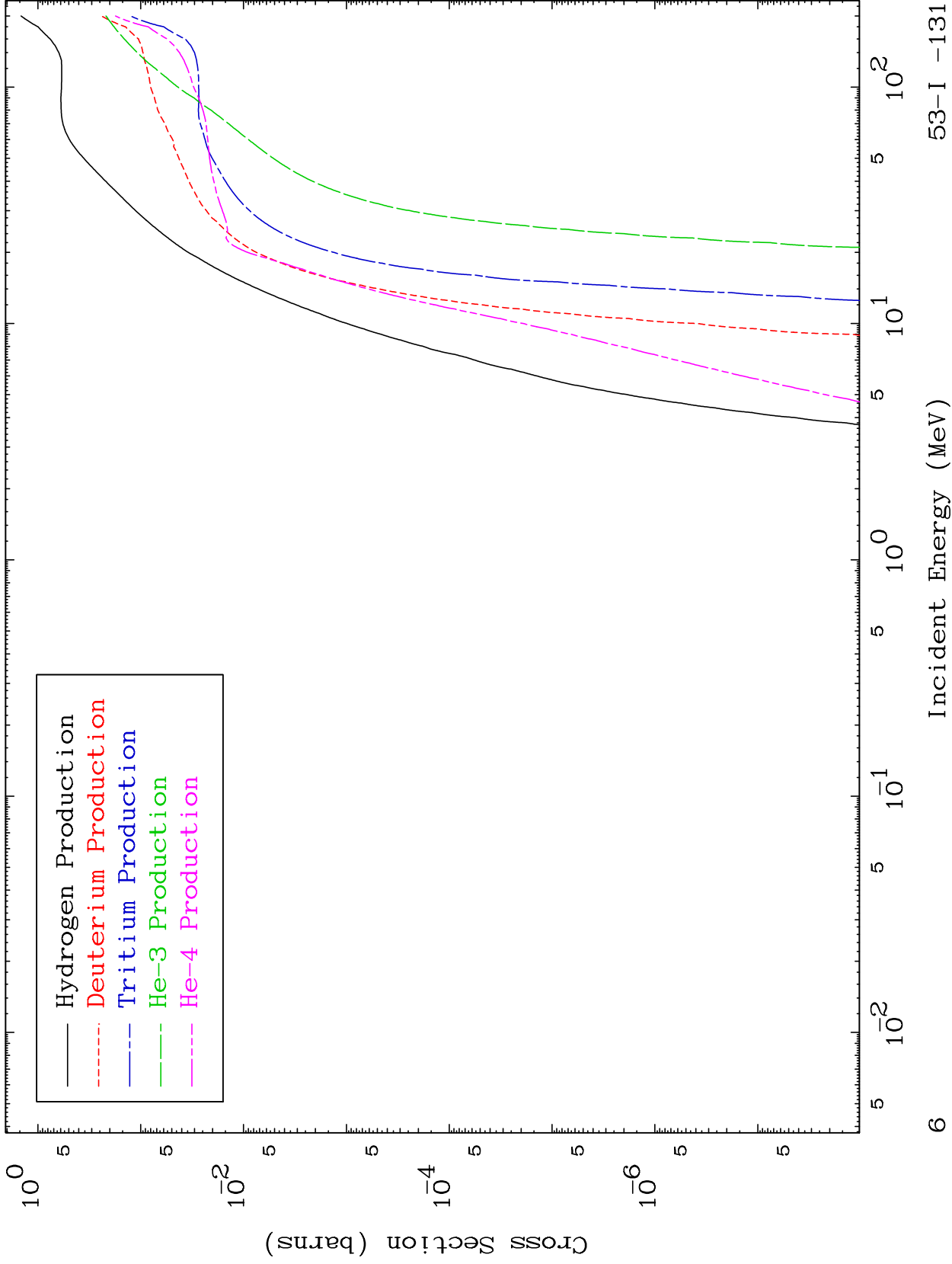




MAT 5337

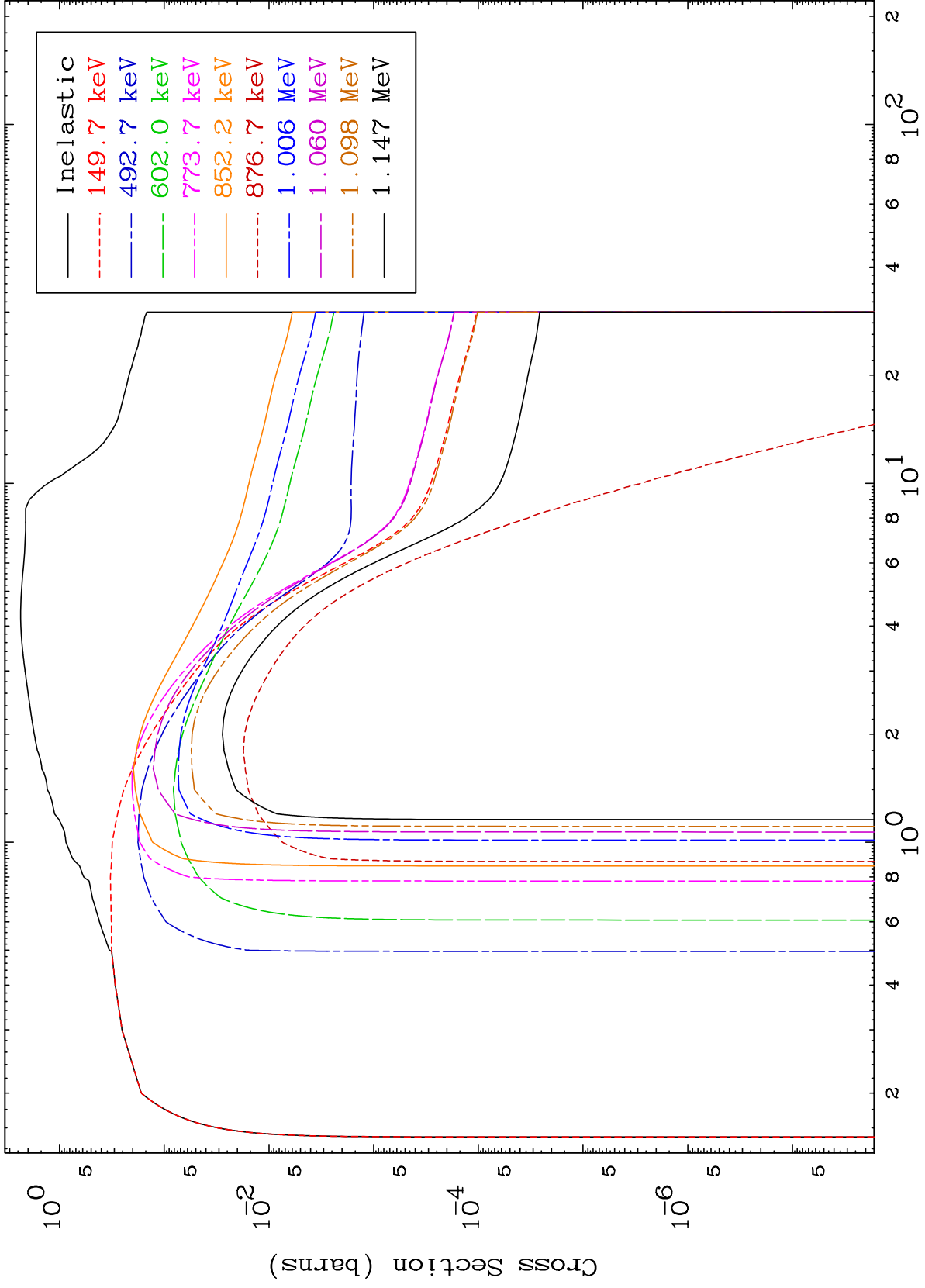
Particle Production  
293 Kelvin Cross Sections

53-I -131



6

53-I -131

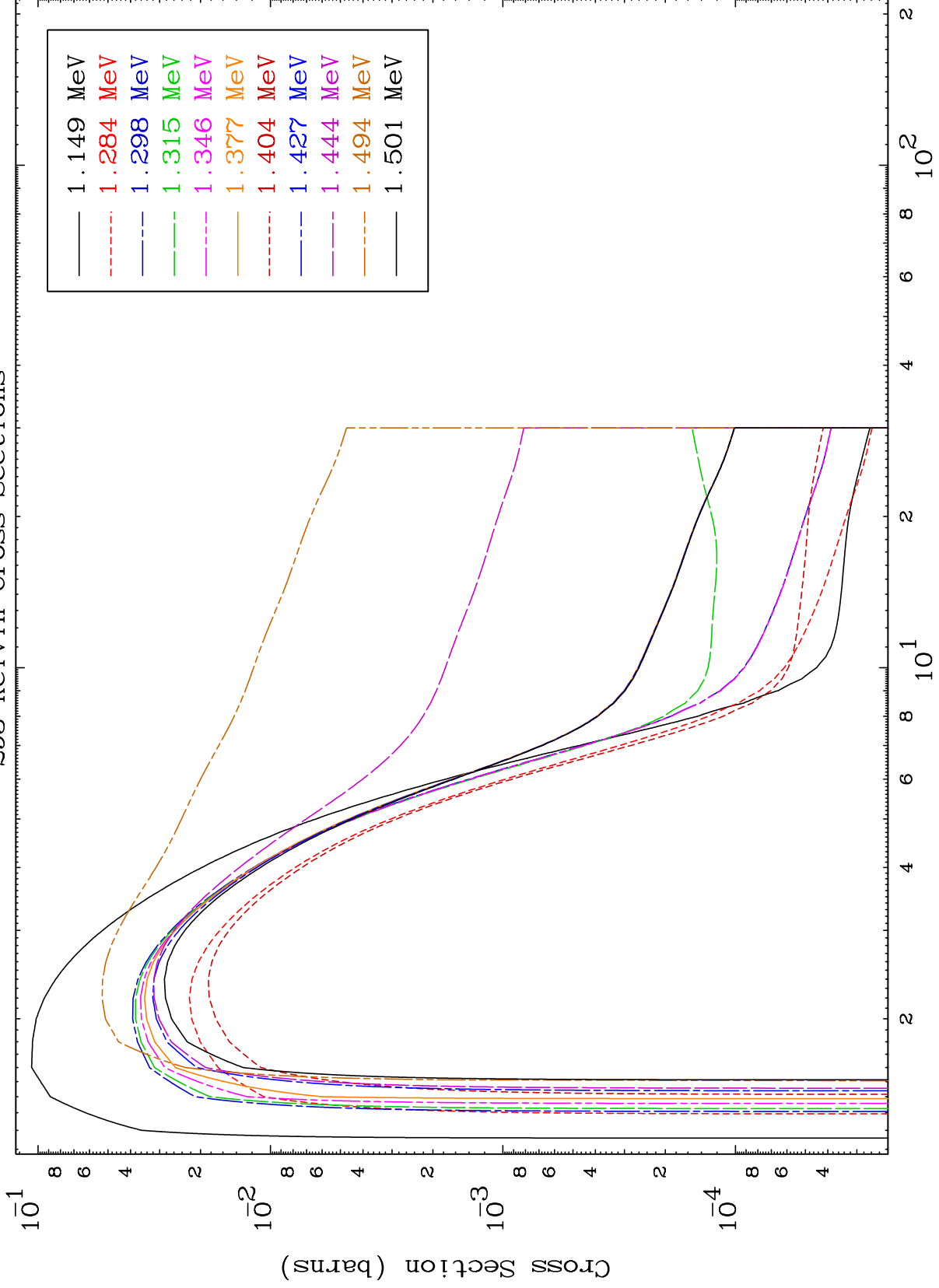




MAT 5337

(n,n') Level  
293 Kelvin Cross Sections

53-I -131

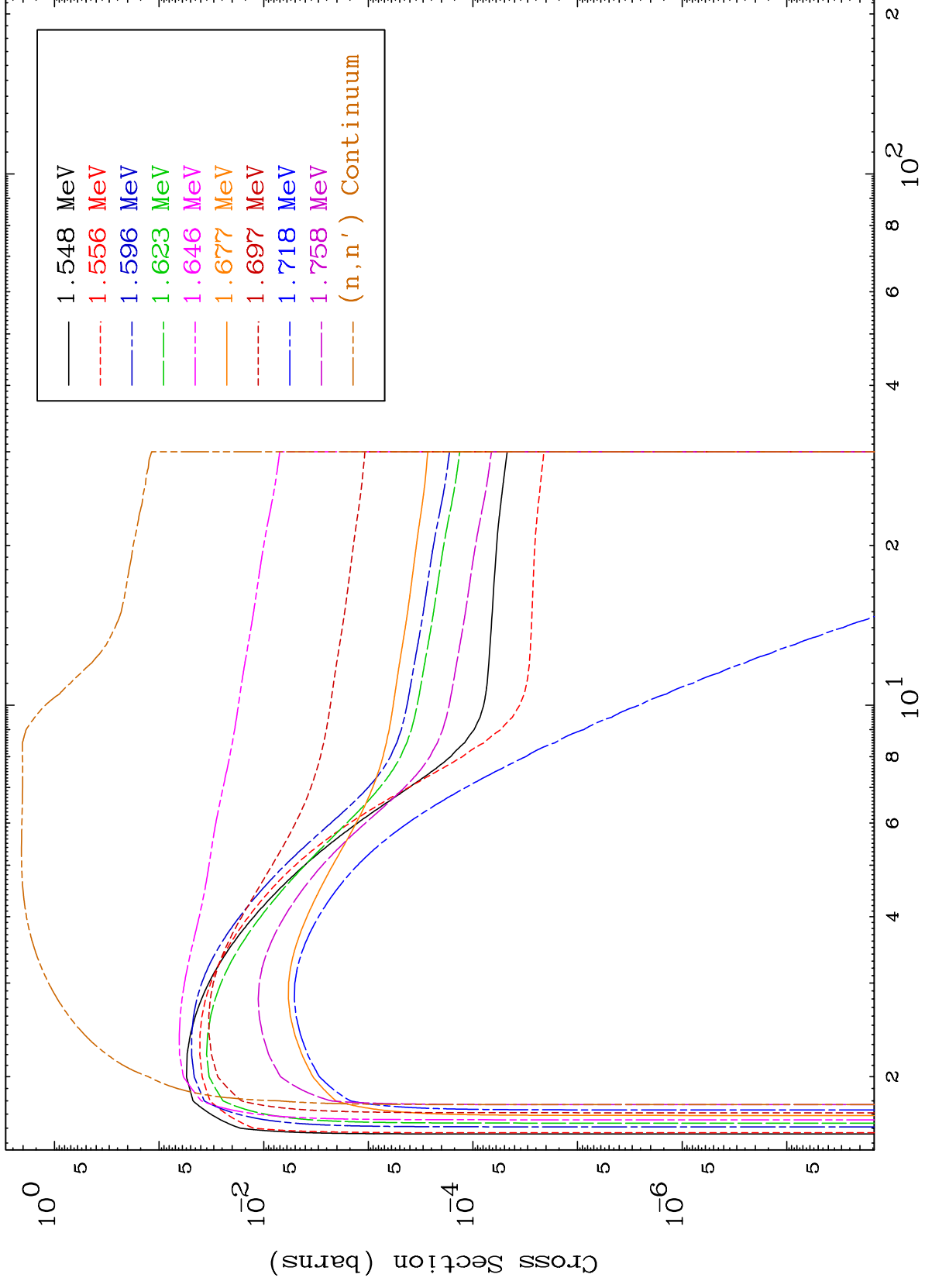


8

Incident Energy (MeV)

53-I -131

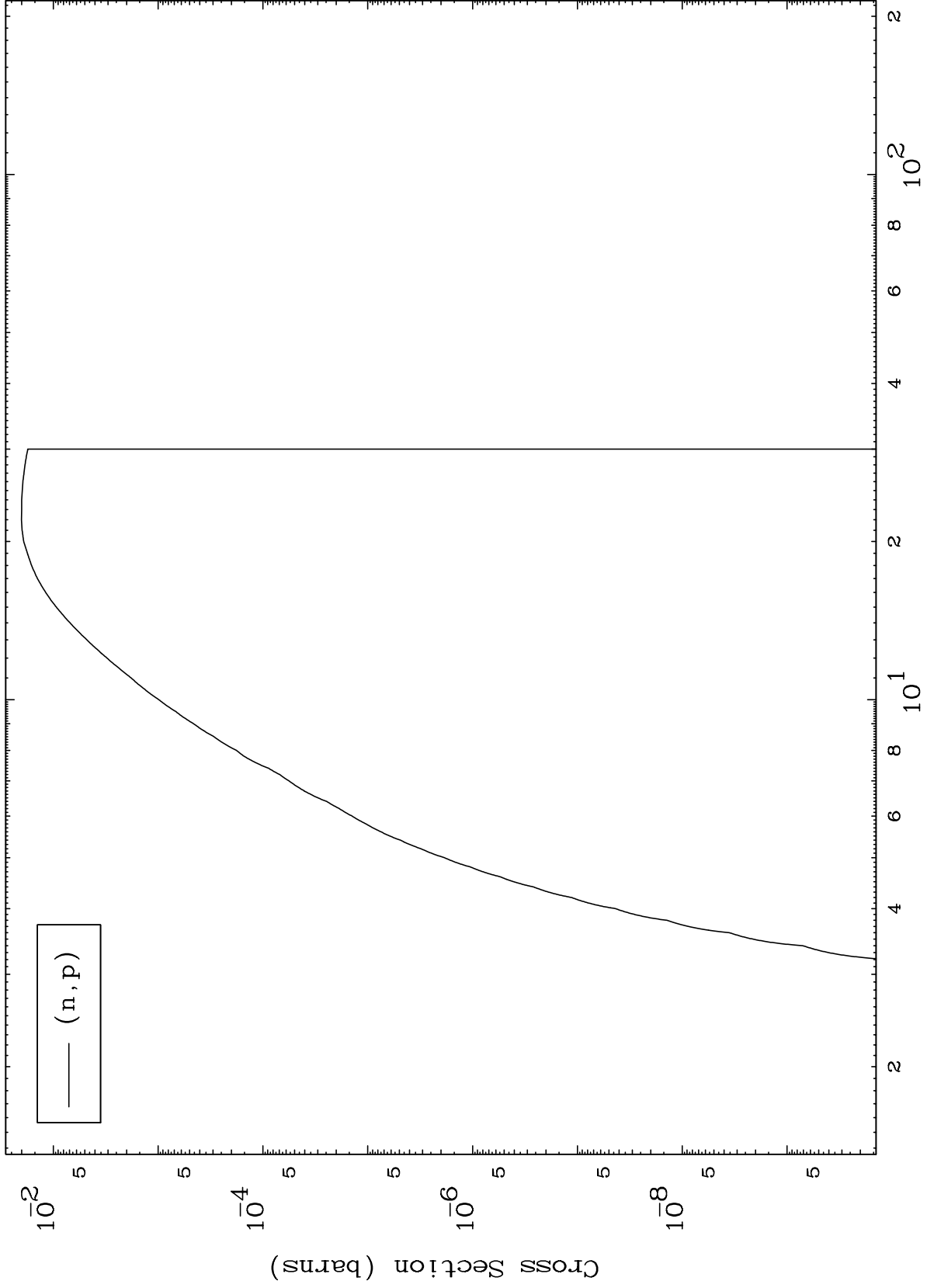
293 Kelvin Cross Sections



MAT 5337

(n,p) Levels  
293 Kelvin Cross Sections

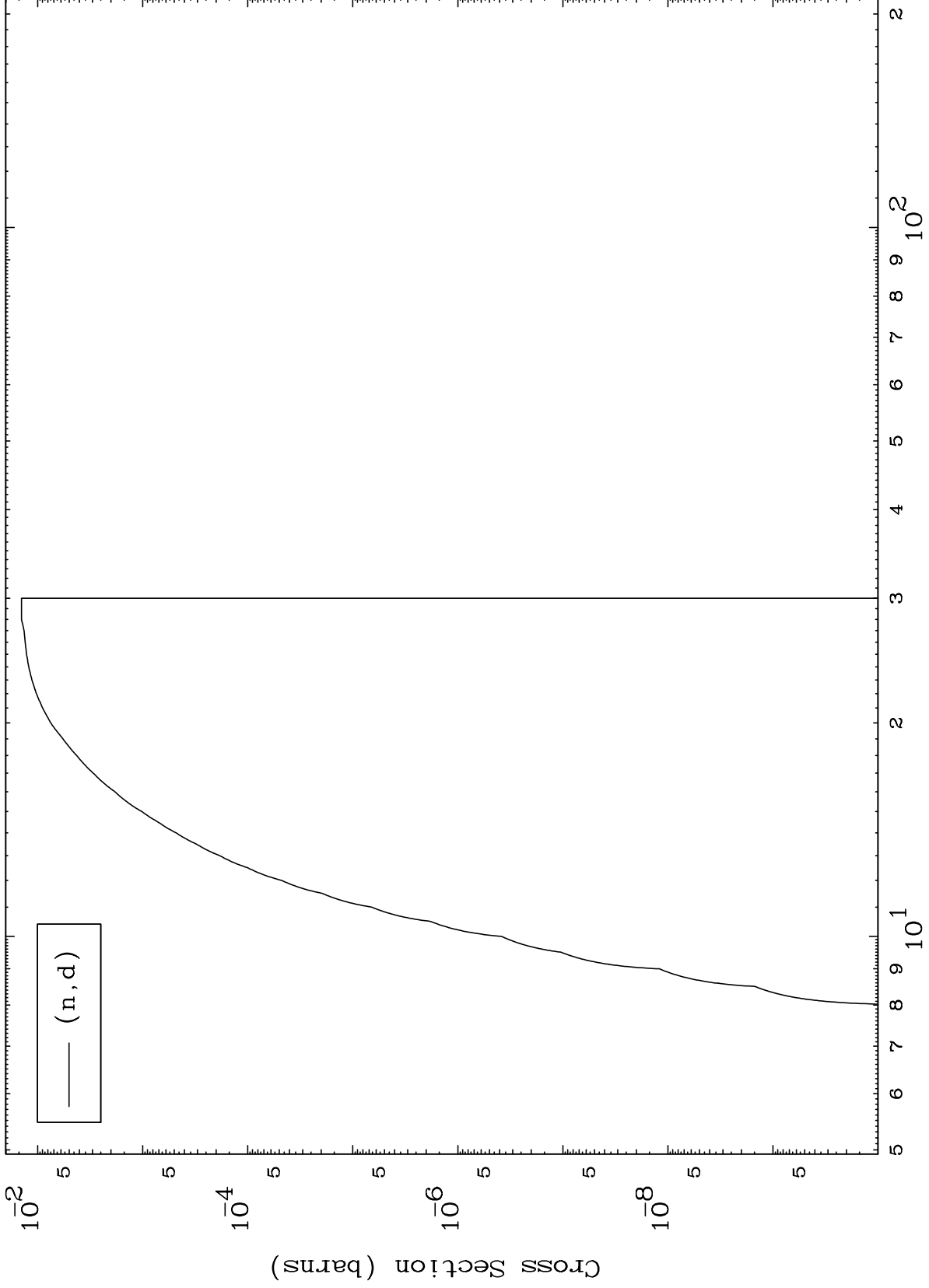
53-I -131

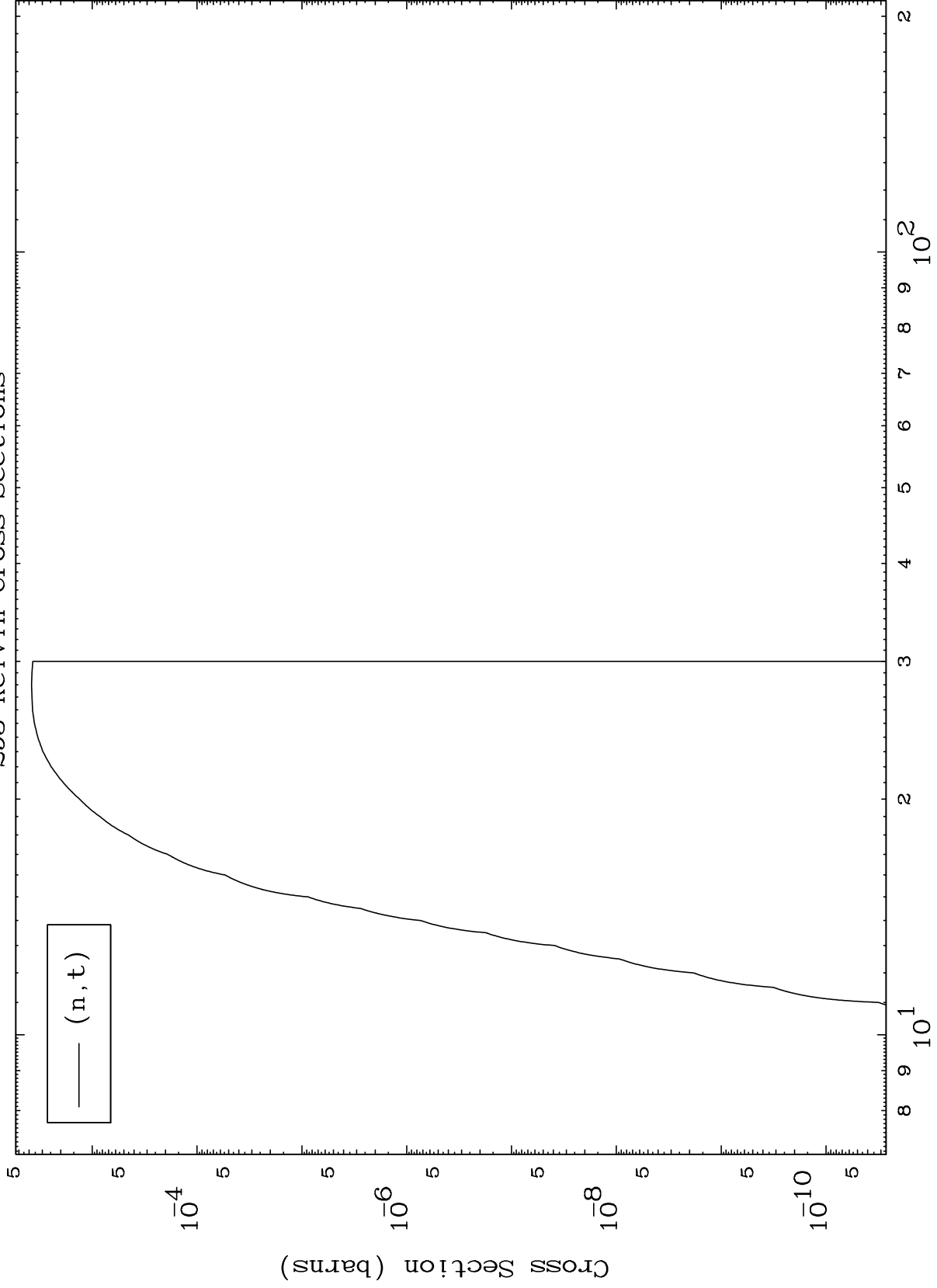


10

Incident Energy (MeV)

53-I -131

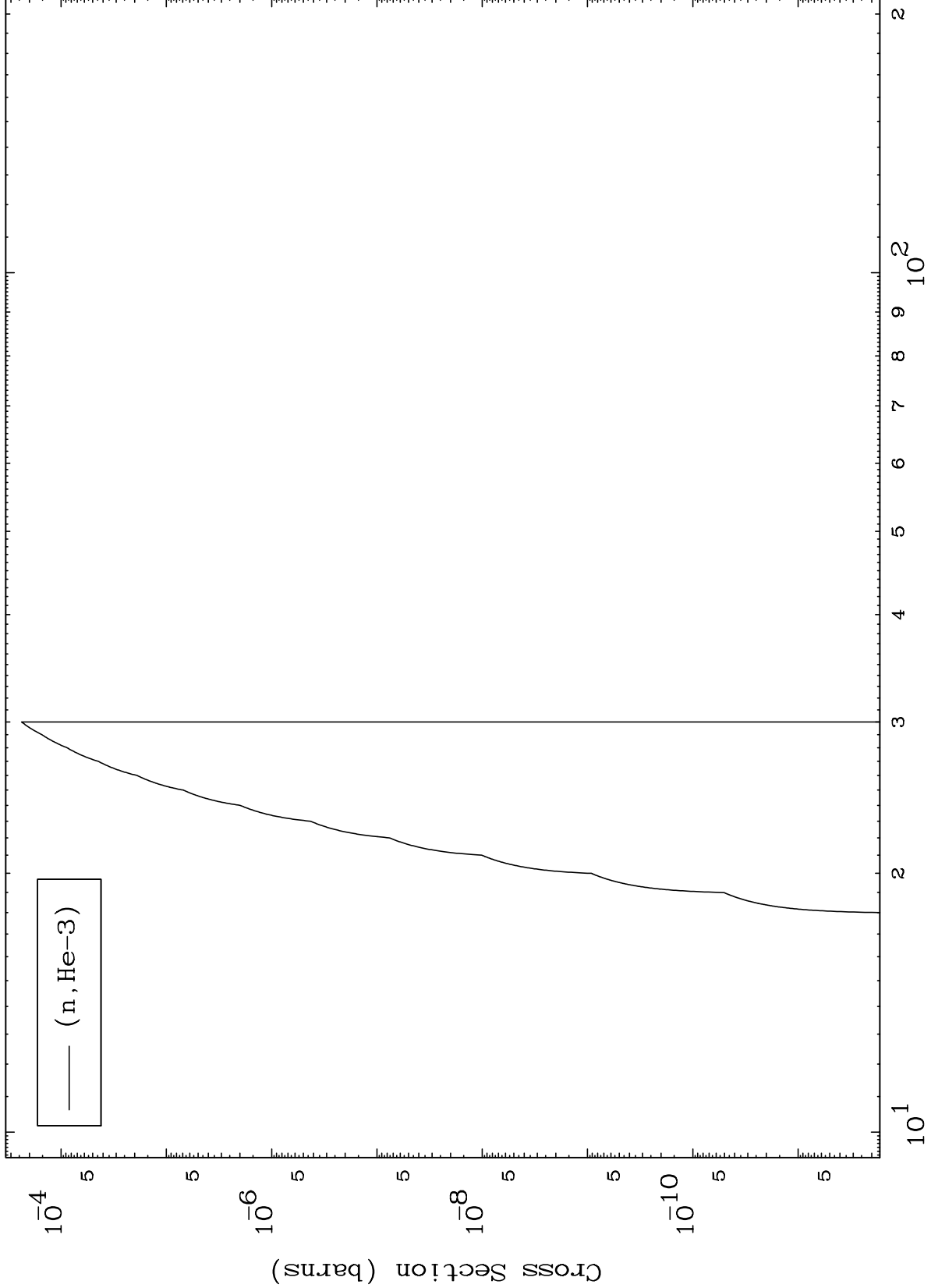




MAT 5337

(n,He3) Levels  
293 Kelvin Cross Sections

53-I -131



13

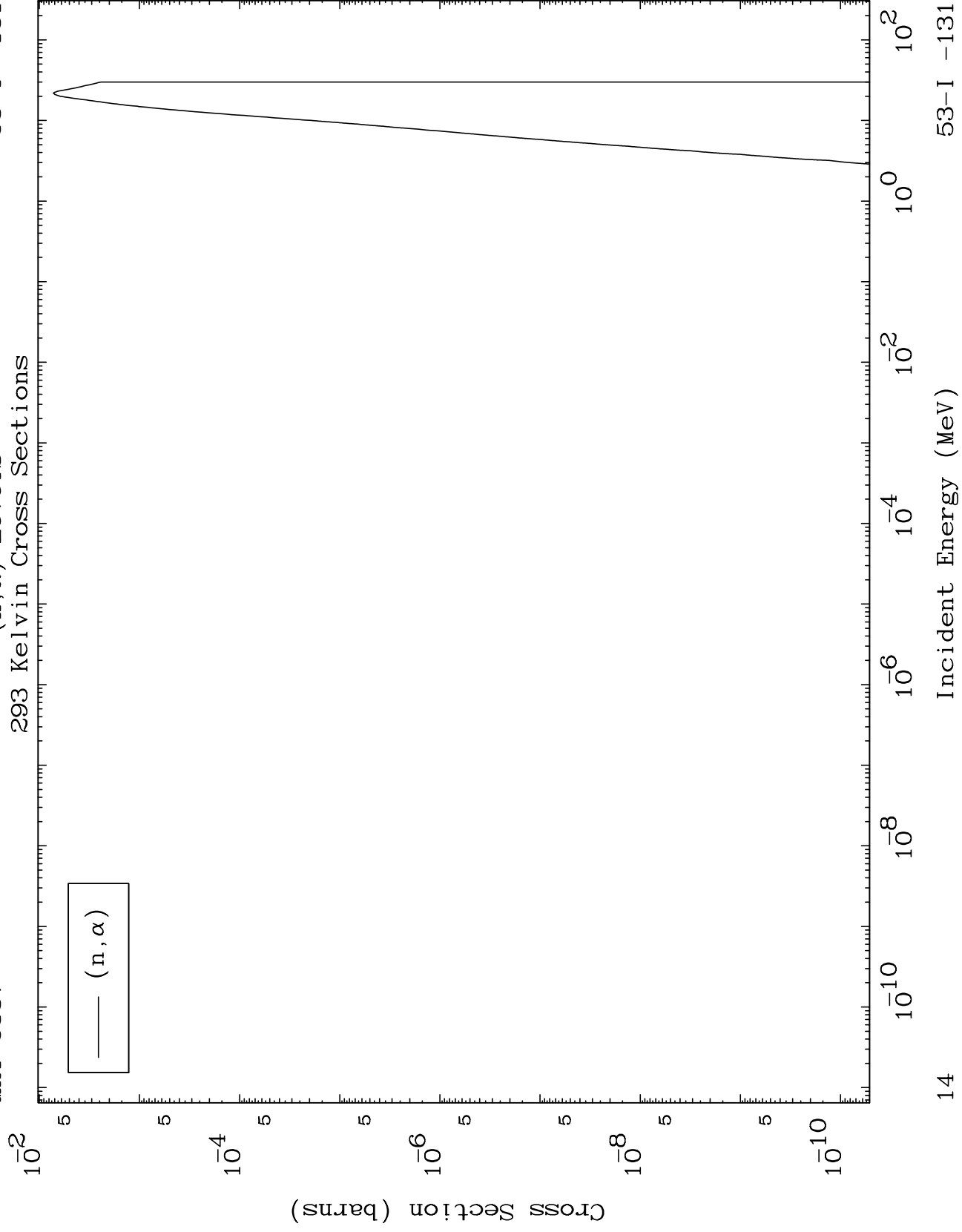
Incident Energy (MeV)

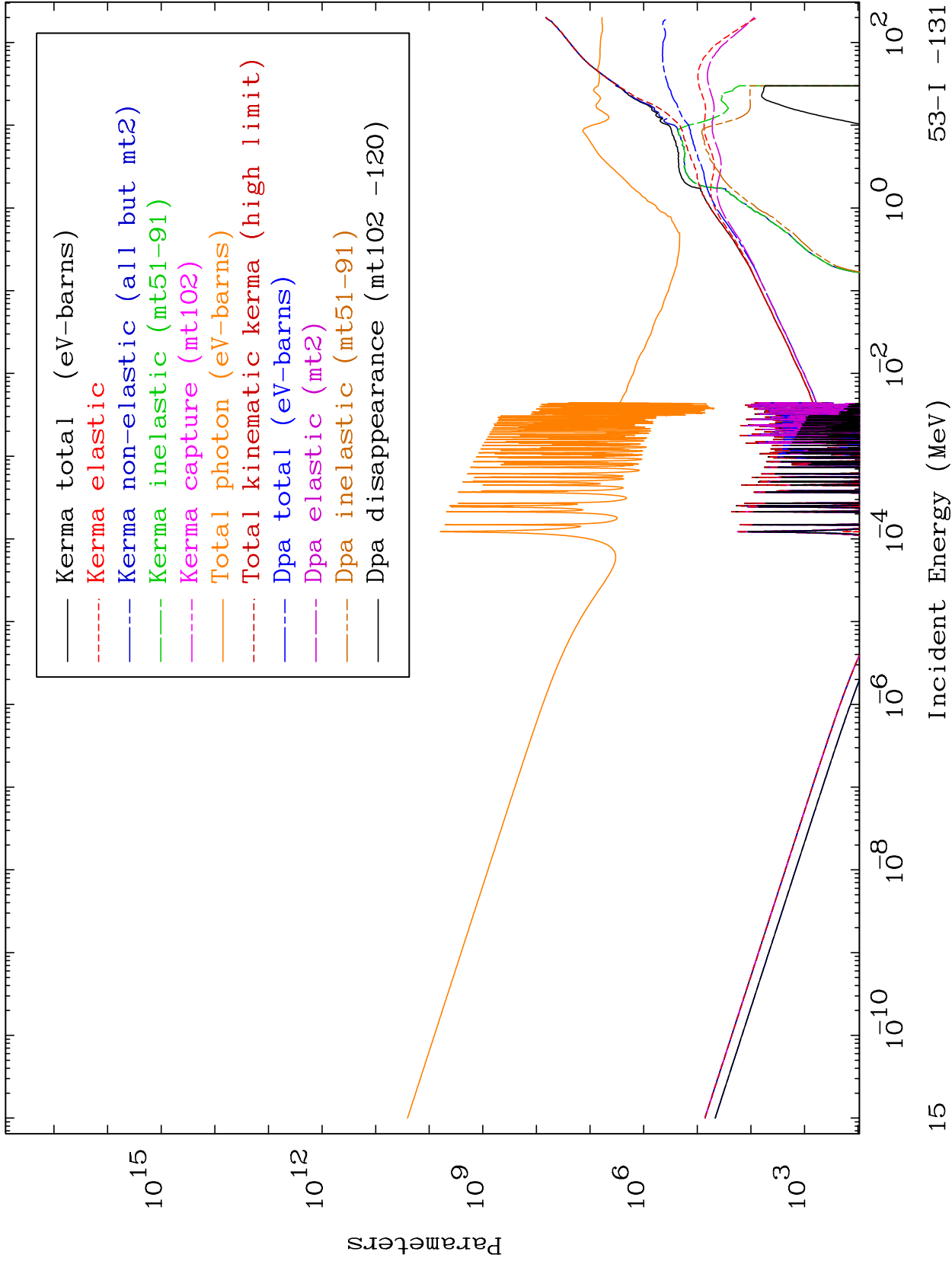
53-I -131

MAT 5337

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

53-I -131



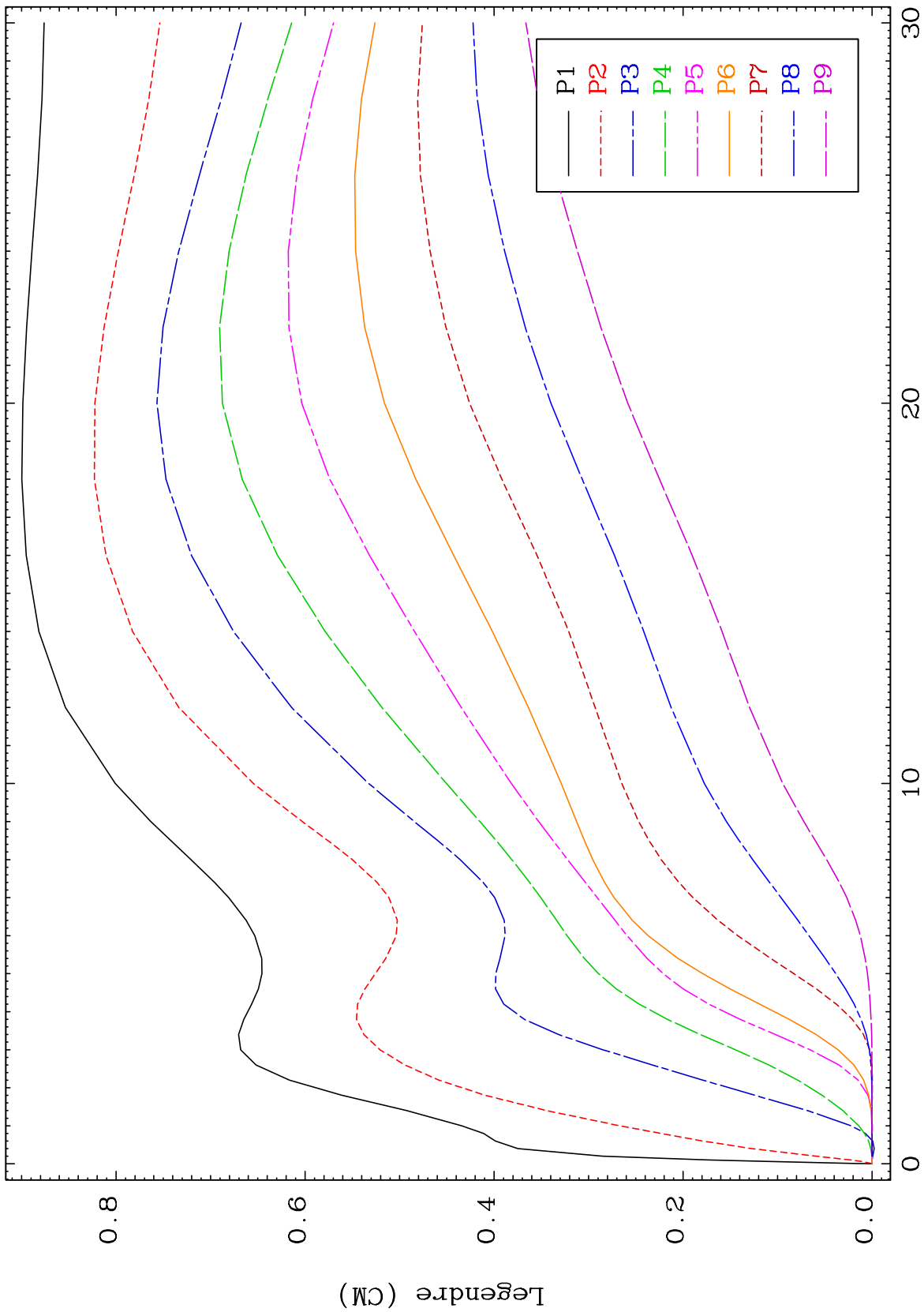




MAT 5337

Elastic Legendre Coefficients

53-I -131



16

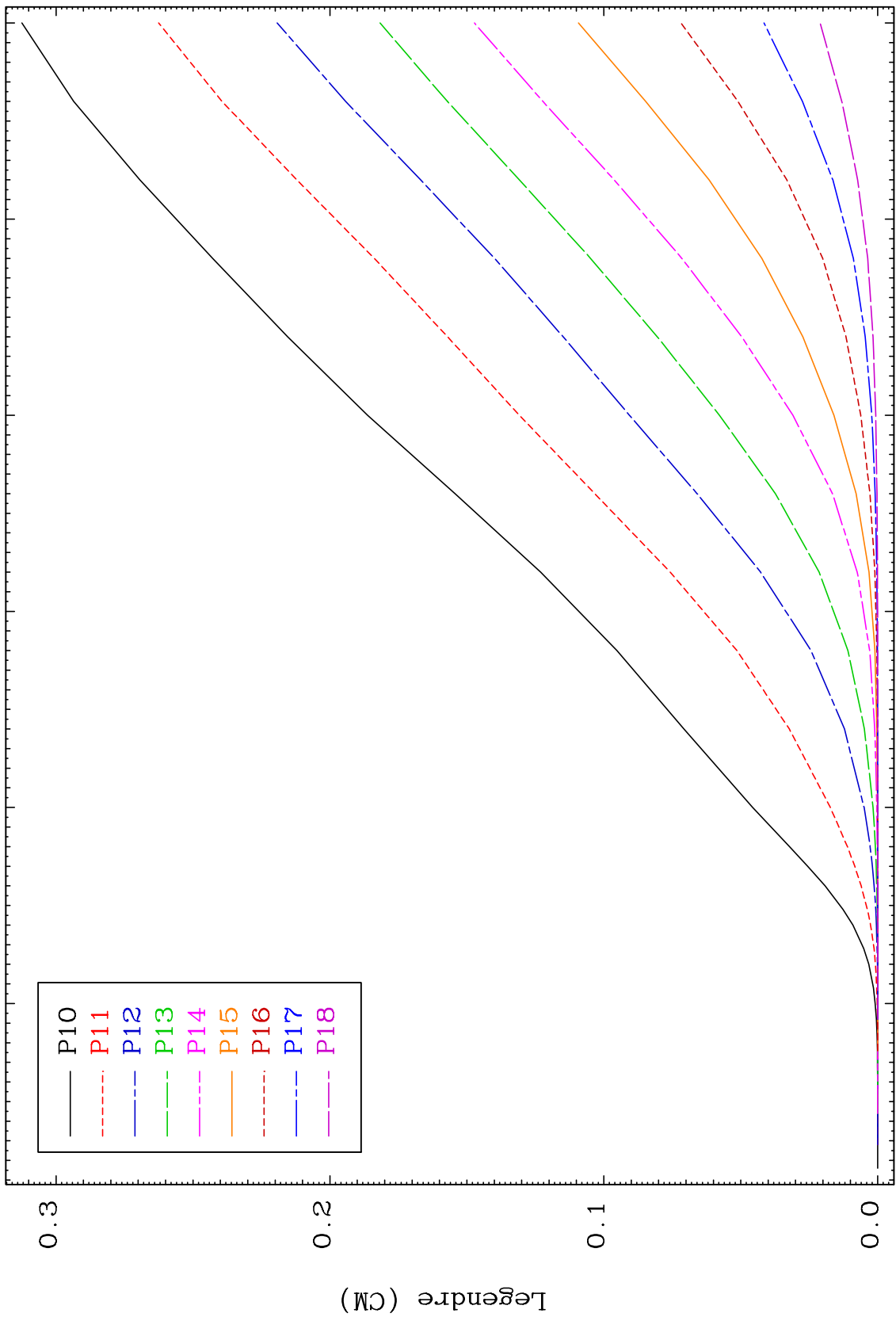
Incident Energy (MeV)

53-I -131

MAT 5337

Elastic Legendre Coefficients

53-I -131



17

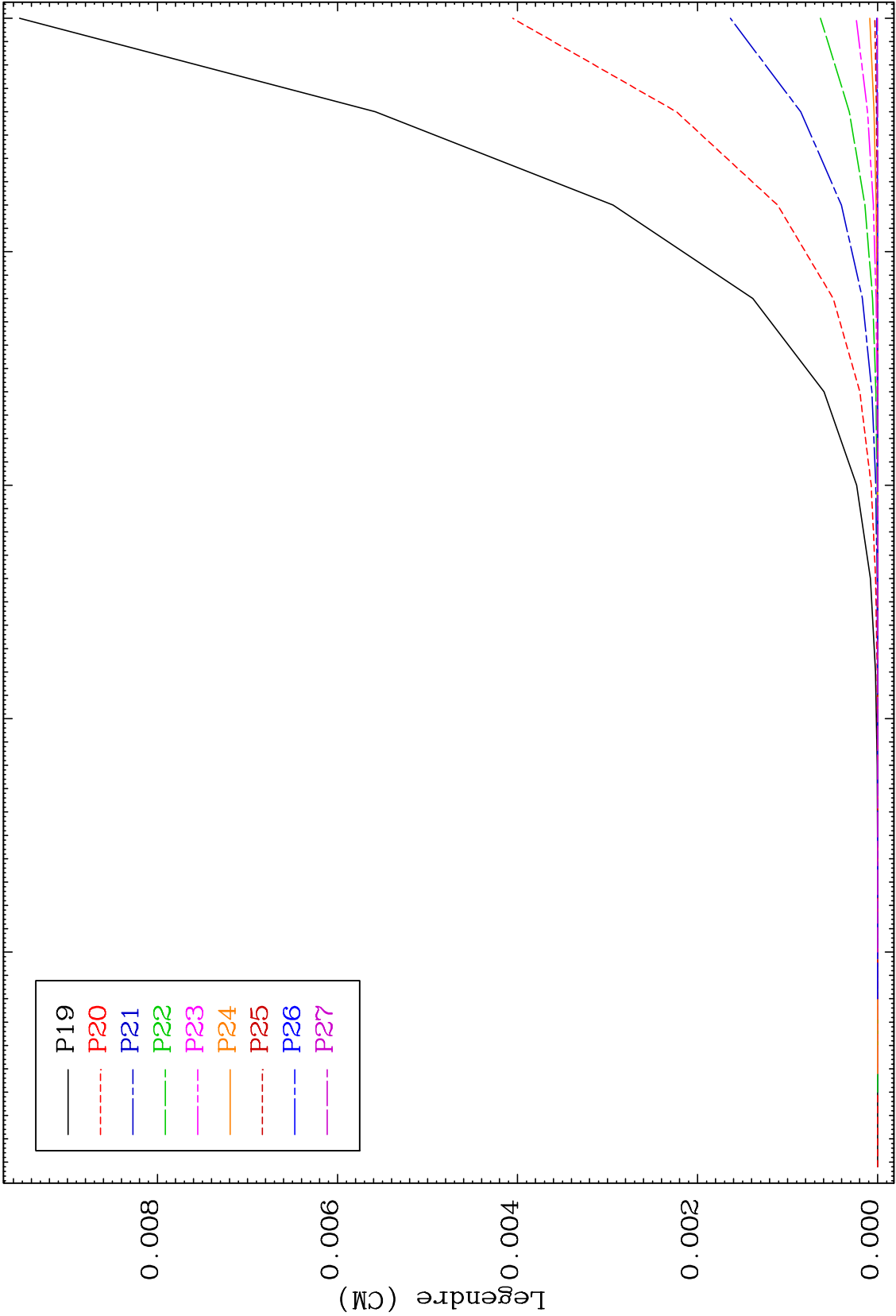
Incident Energy (MeV)

53-I -131

MAT 5337

Elastic Legendre Coefficients

53-I -131



18

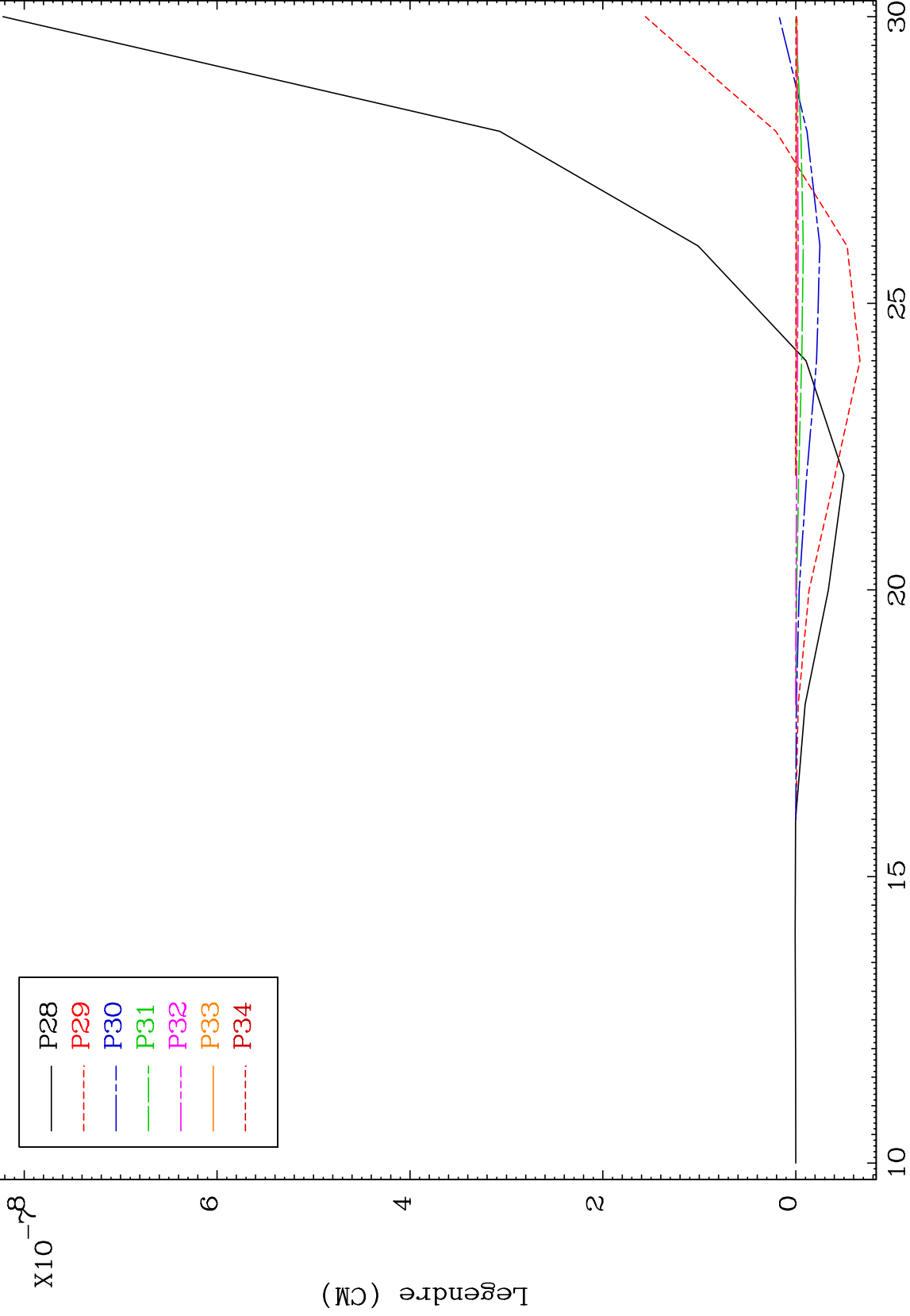
Incident Energy (MeV)

53-I -131

MAT 5337

### Elastic Legendre Coefficients

53-I -131

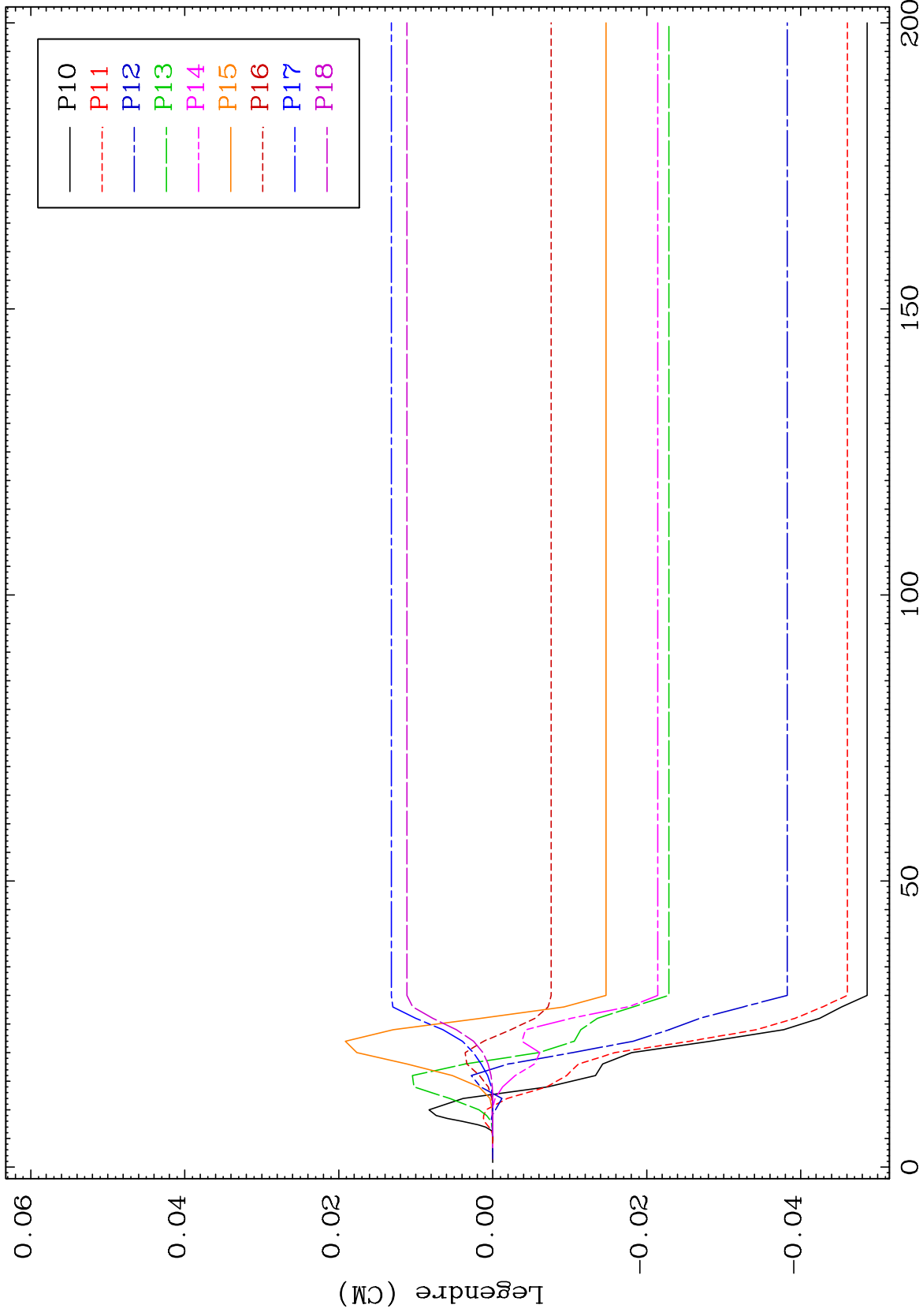


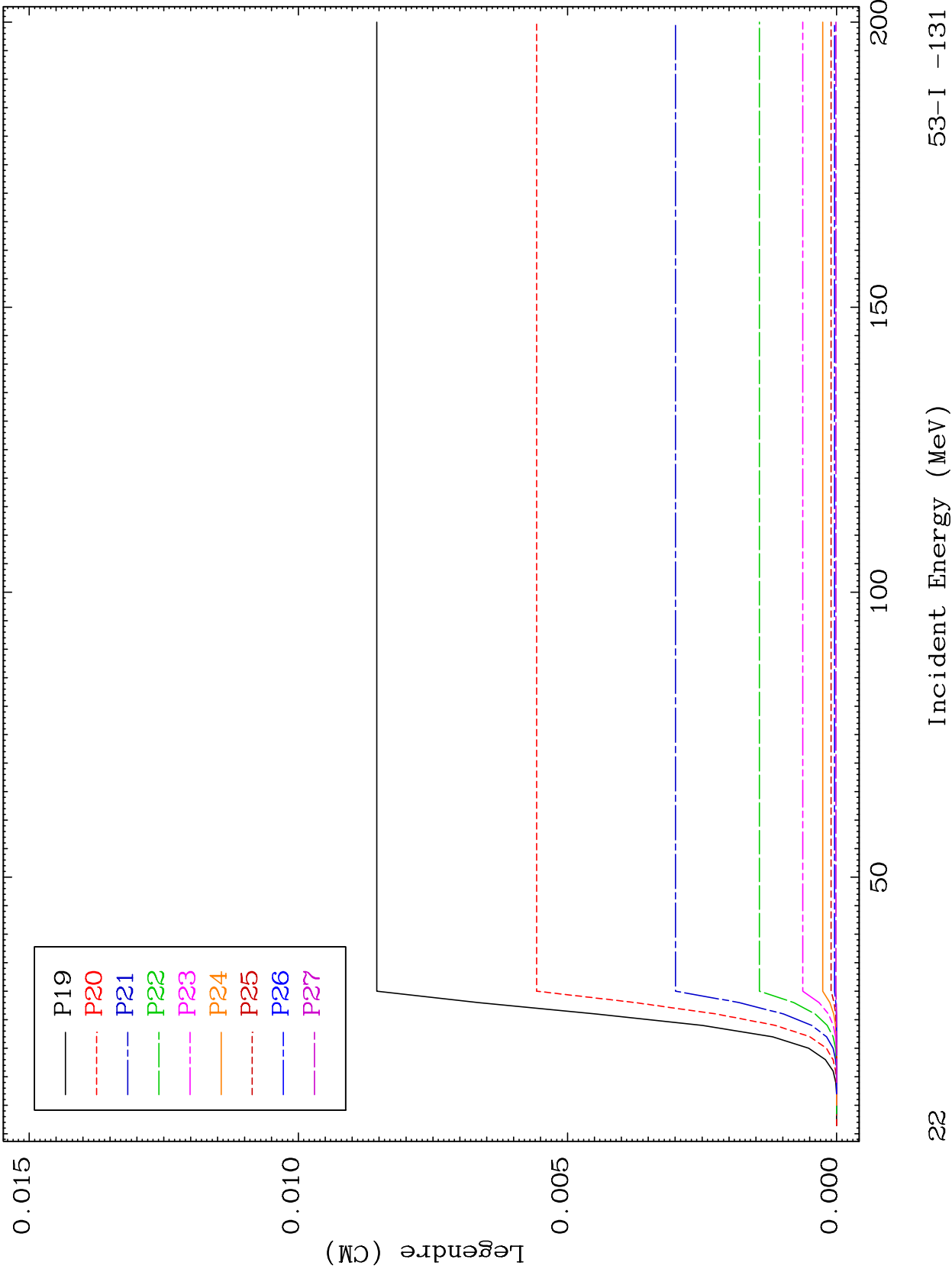
19

Incident Energy (MeV)

53-I -131



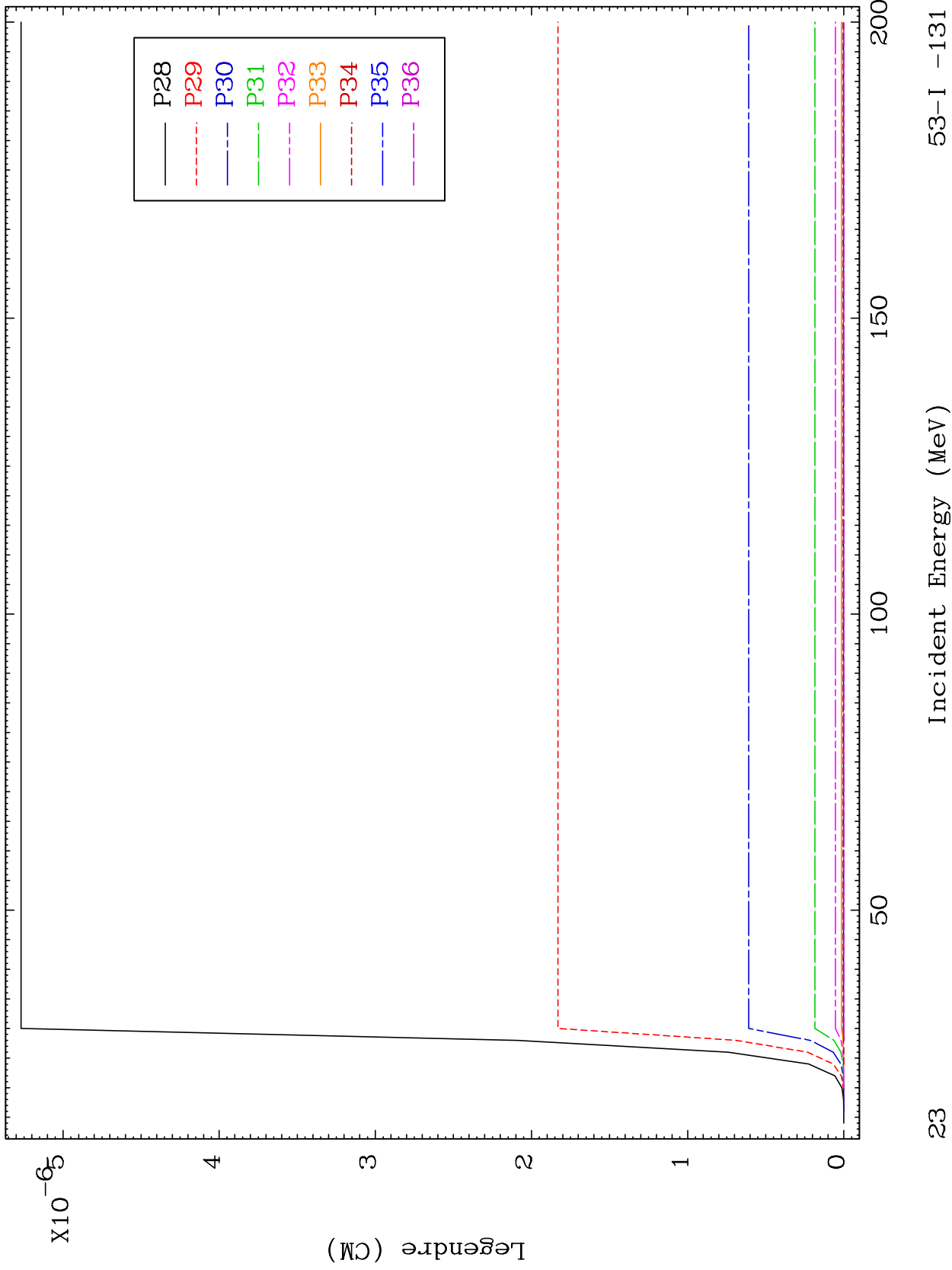




MAT 5337

149.7 keV (n,n') Level  
Legendre Coefficients

53-I -131

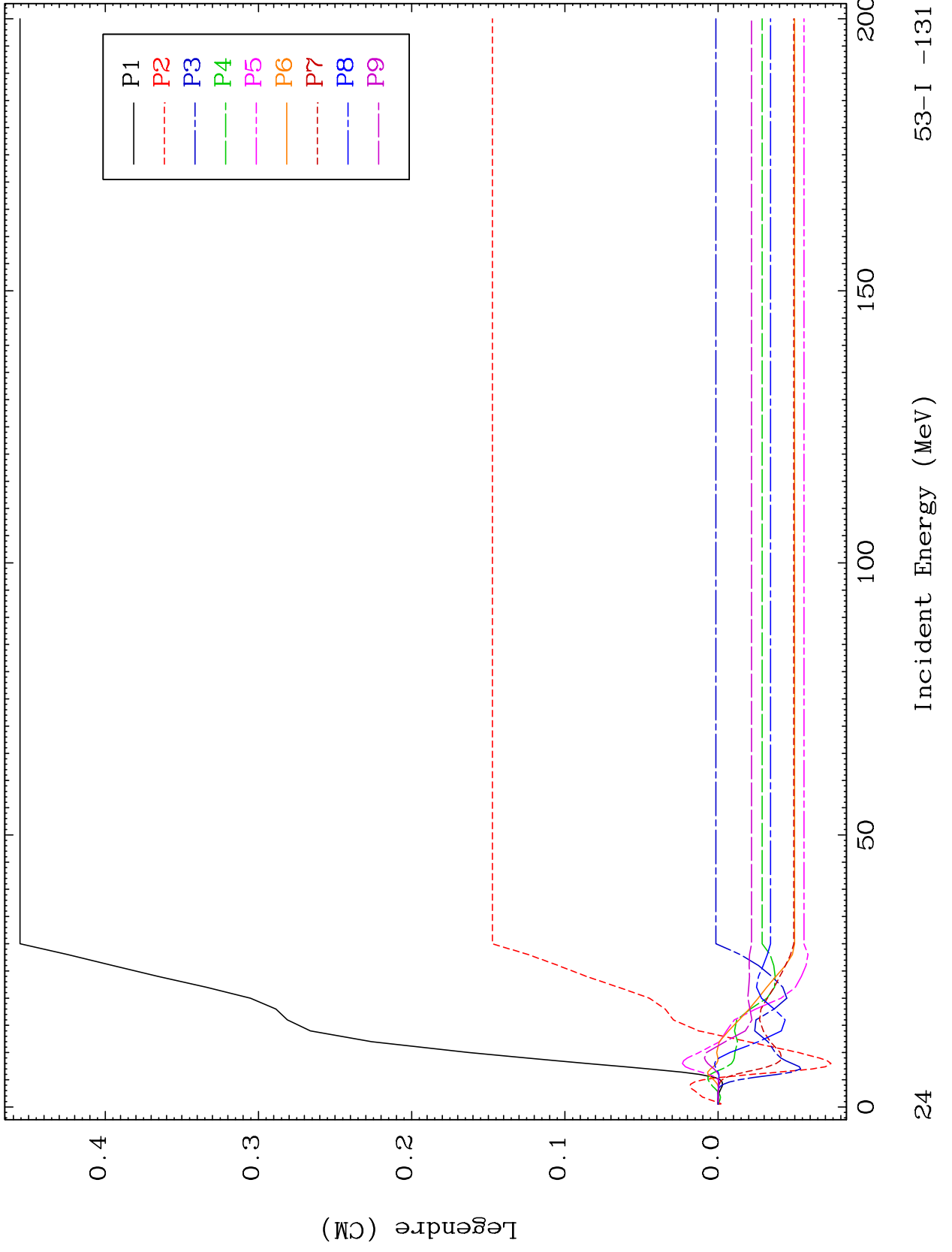


23

Incident Energy (MeV)

53-I -131

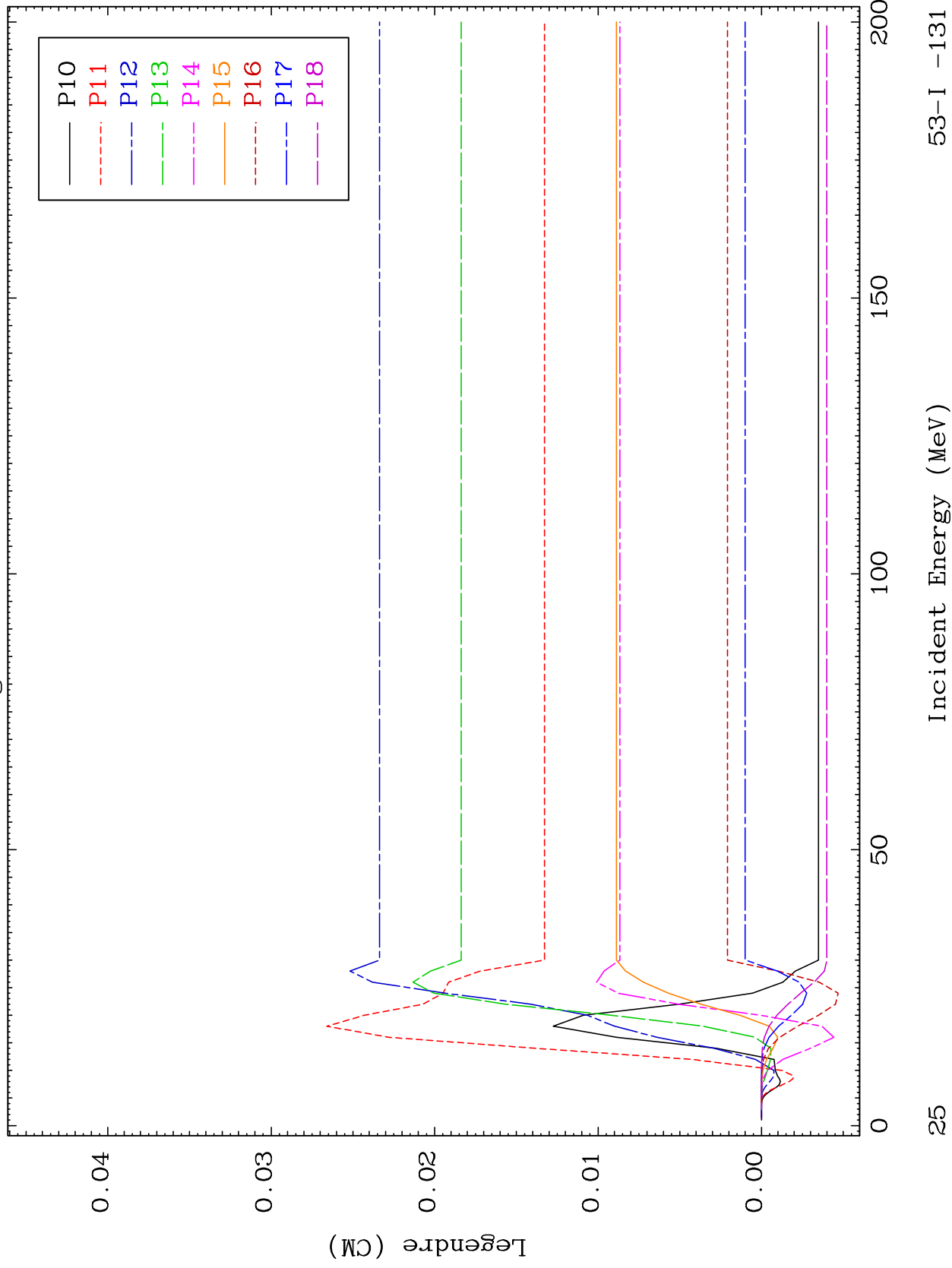




MAT 5337

492.7 keV (n,n') Level  
Legendre Coefficients

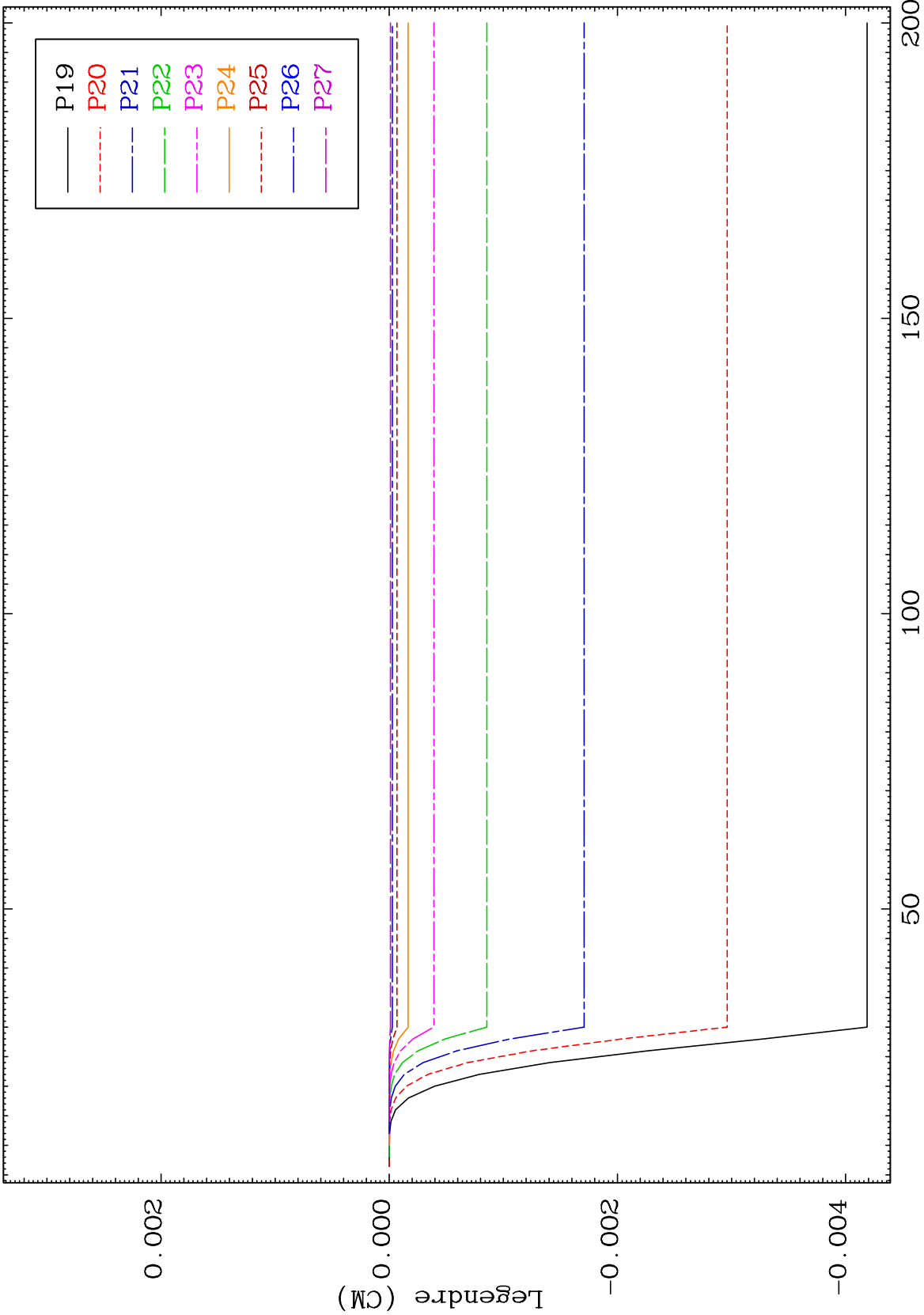
53-I -131

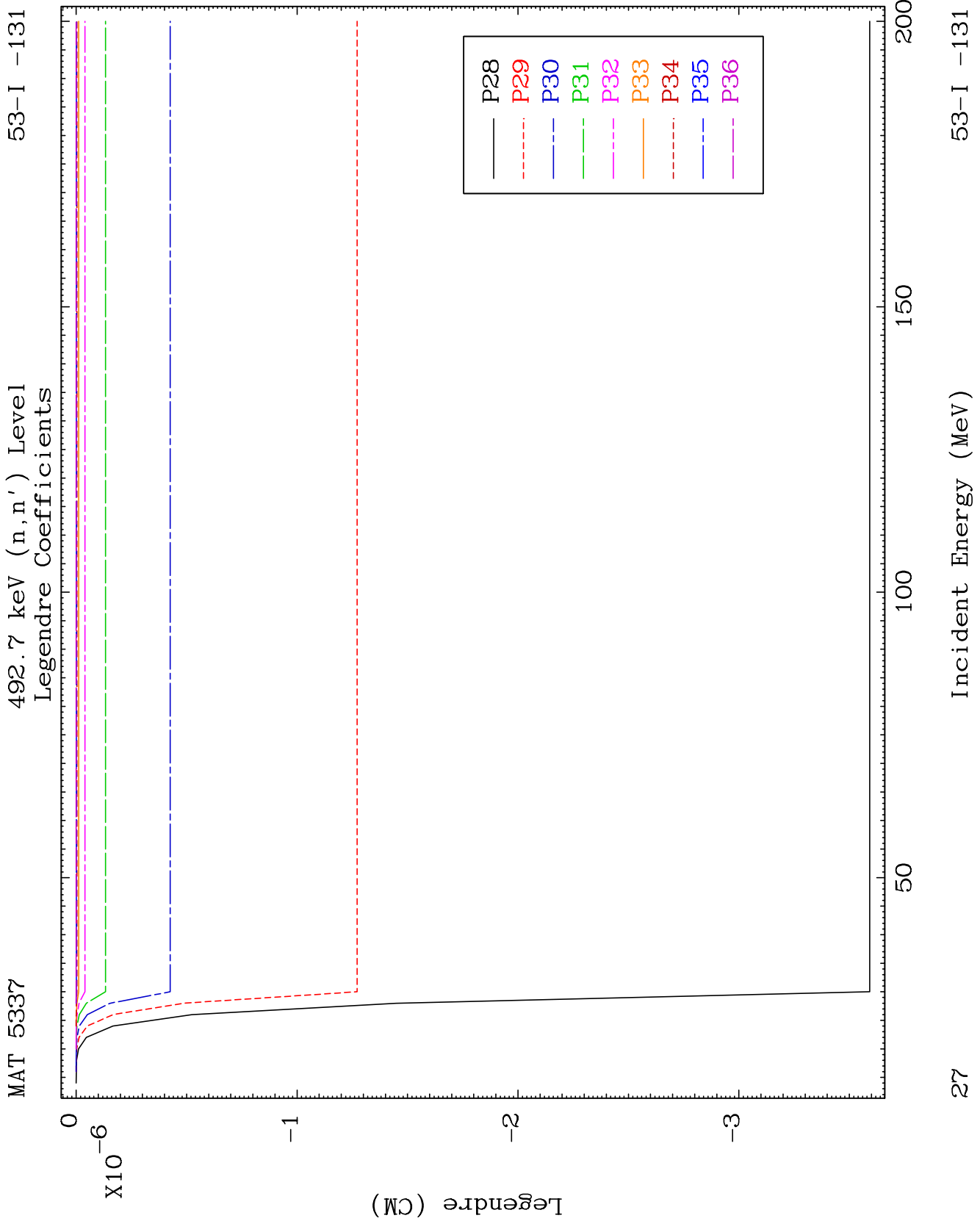


53-I -131

Incident Energy (MeV)

25

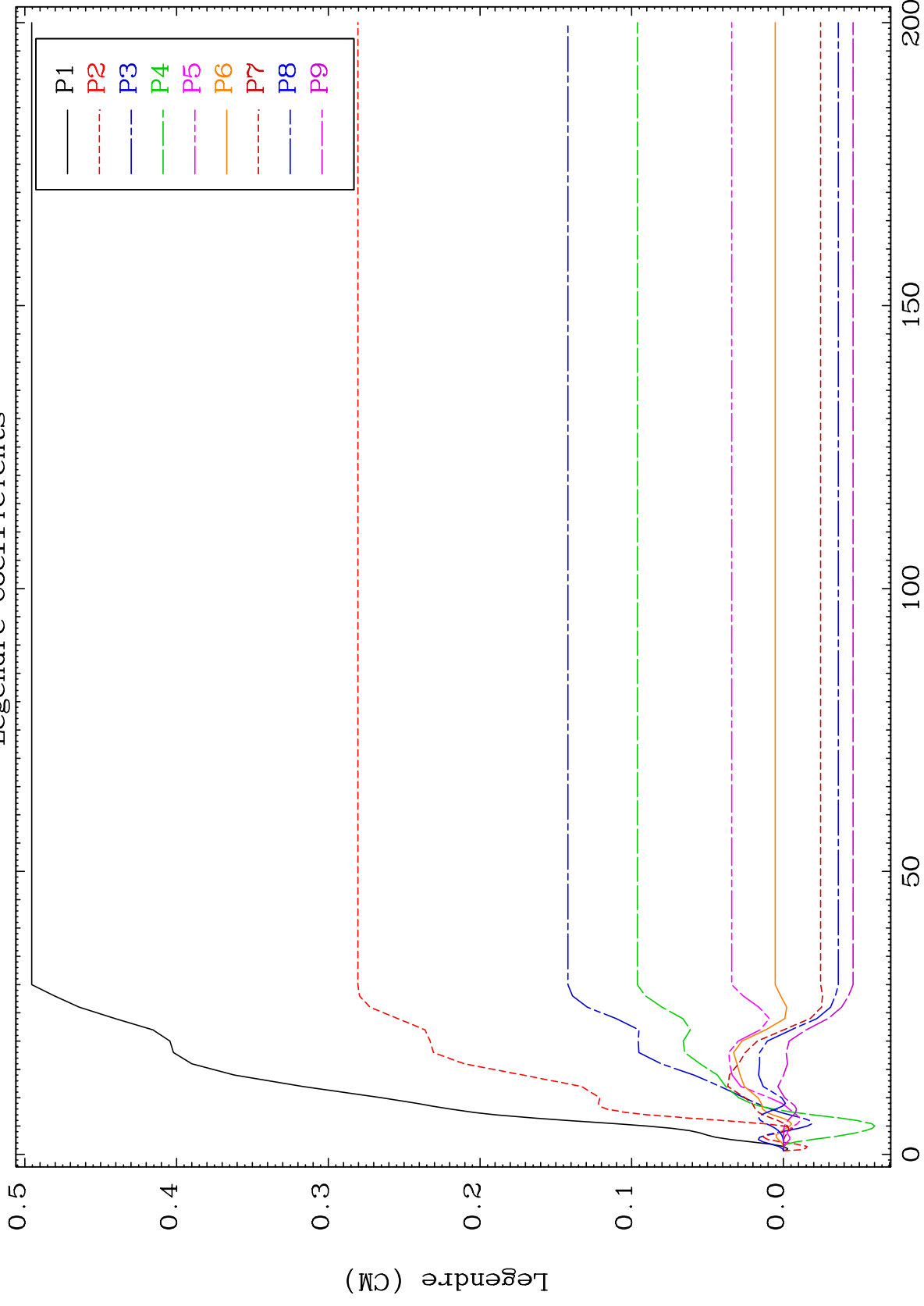




MAT 5337

602.0 keV (n,n') Level  
Legendre Coefficients

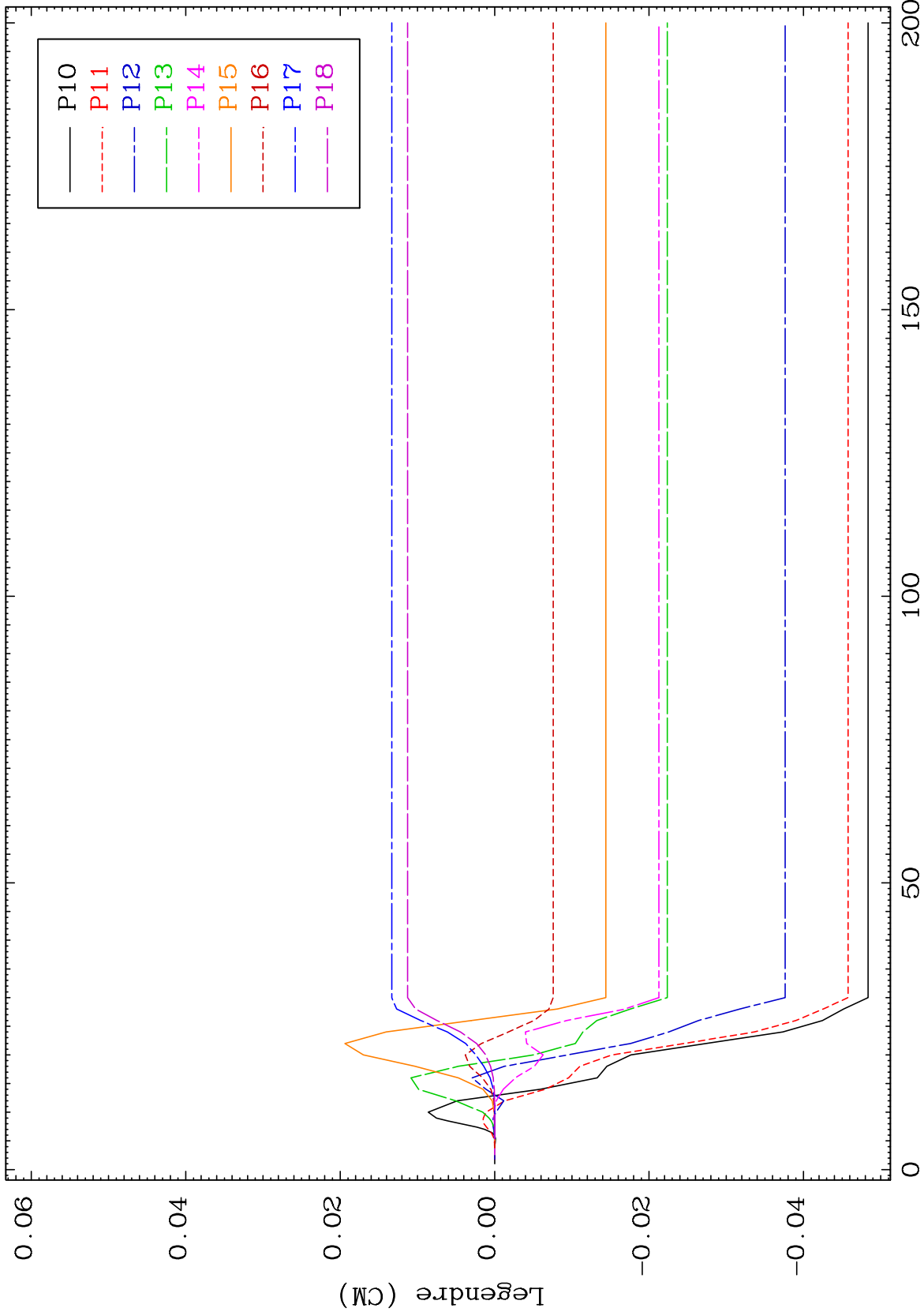
53-I -131



28

Incident Energy (MeV)

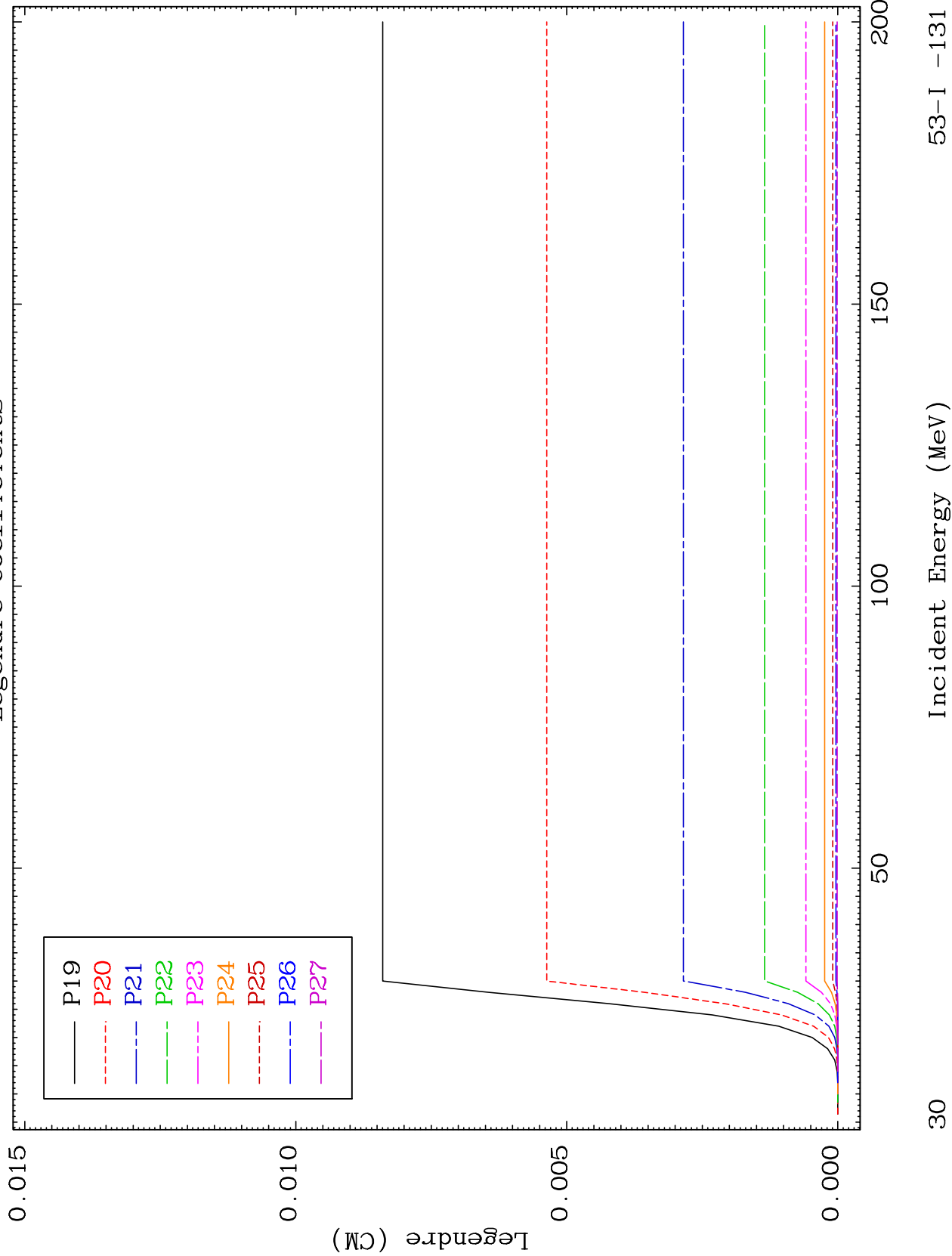
53-I -131



MAT 5337

602.0 keV (n,n') Level  
Legendre Coefficients

53-I -131



30

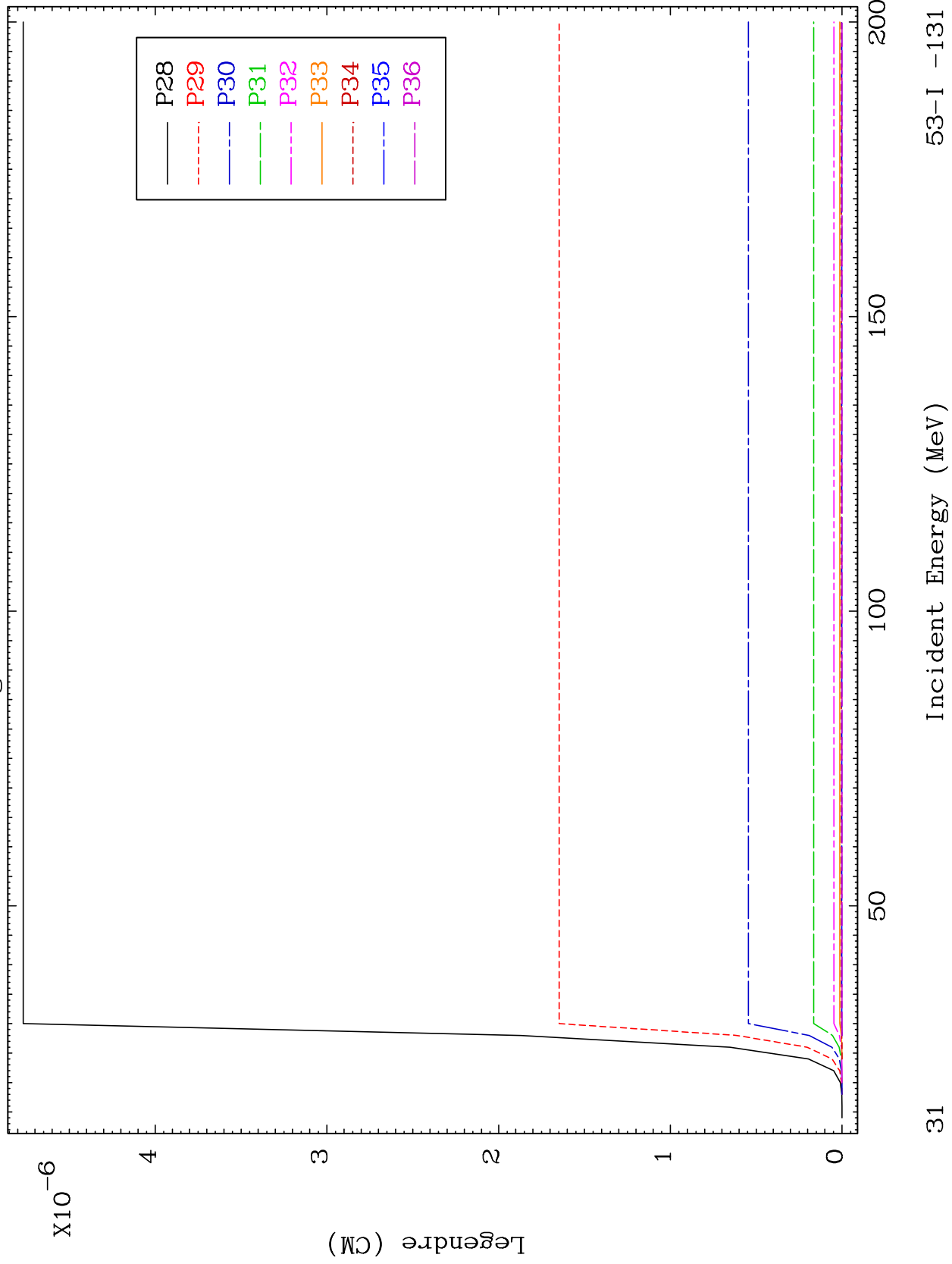
Incident Energy (MeV)

53-I -131

MAT 5337

602.0 keV (n,n') Level  
Legendre Coefficients

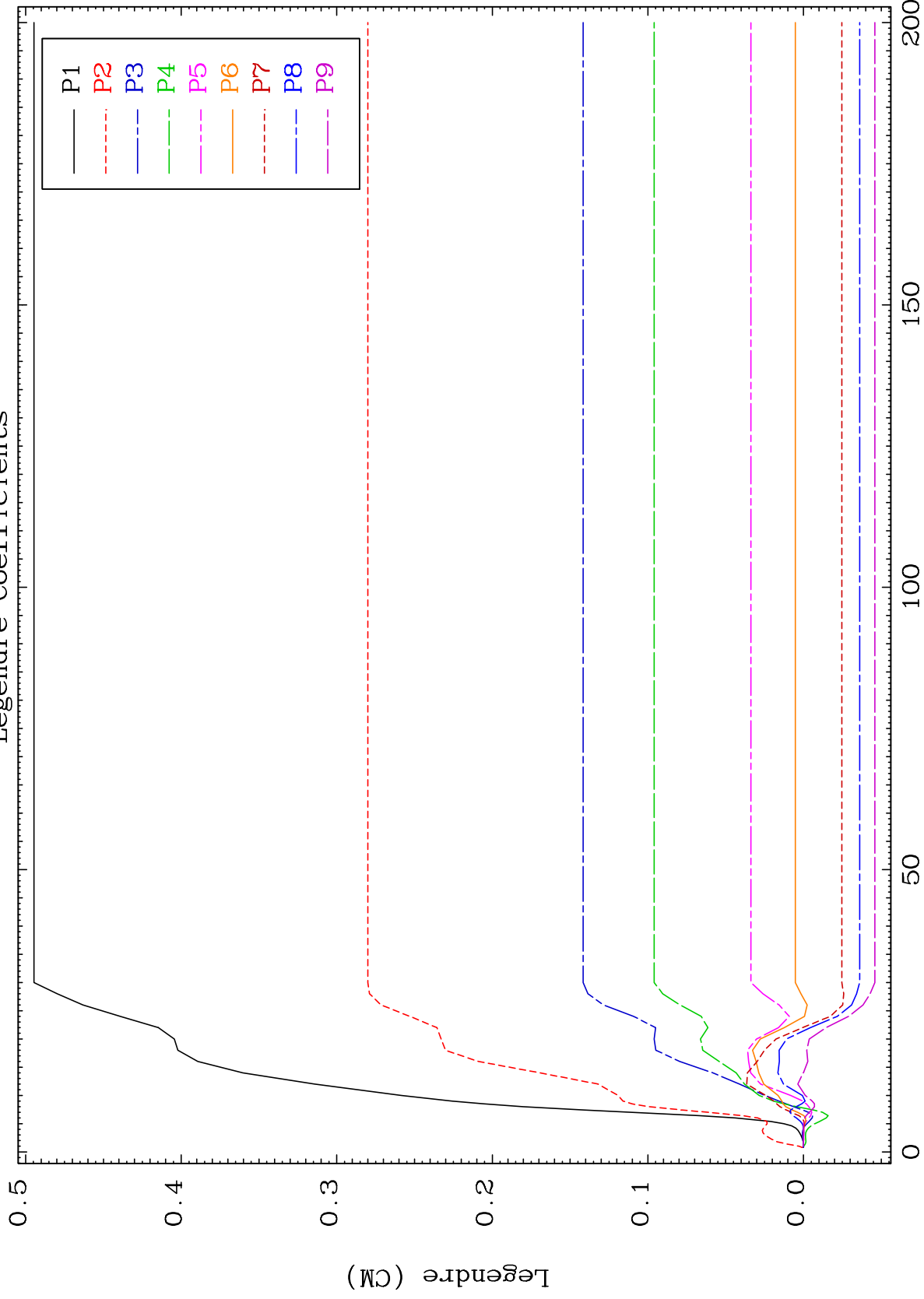
53-I -131

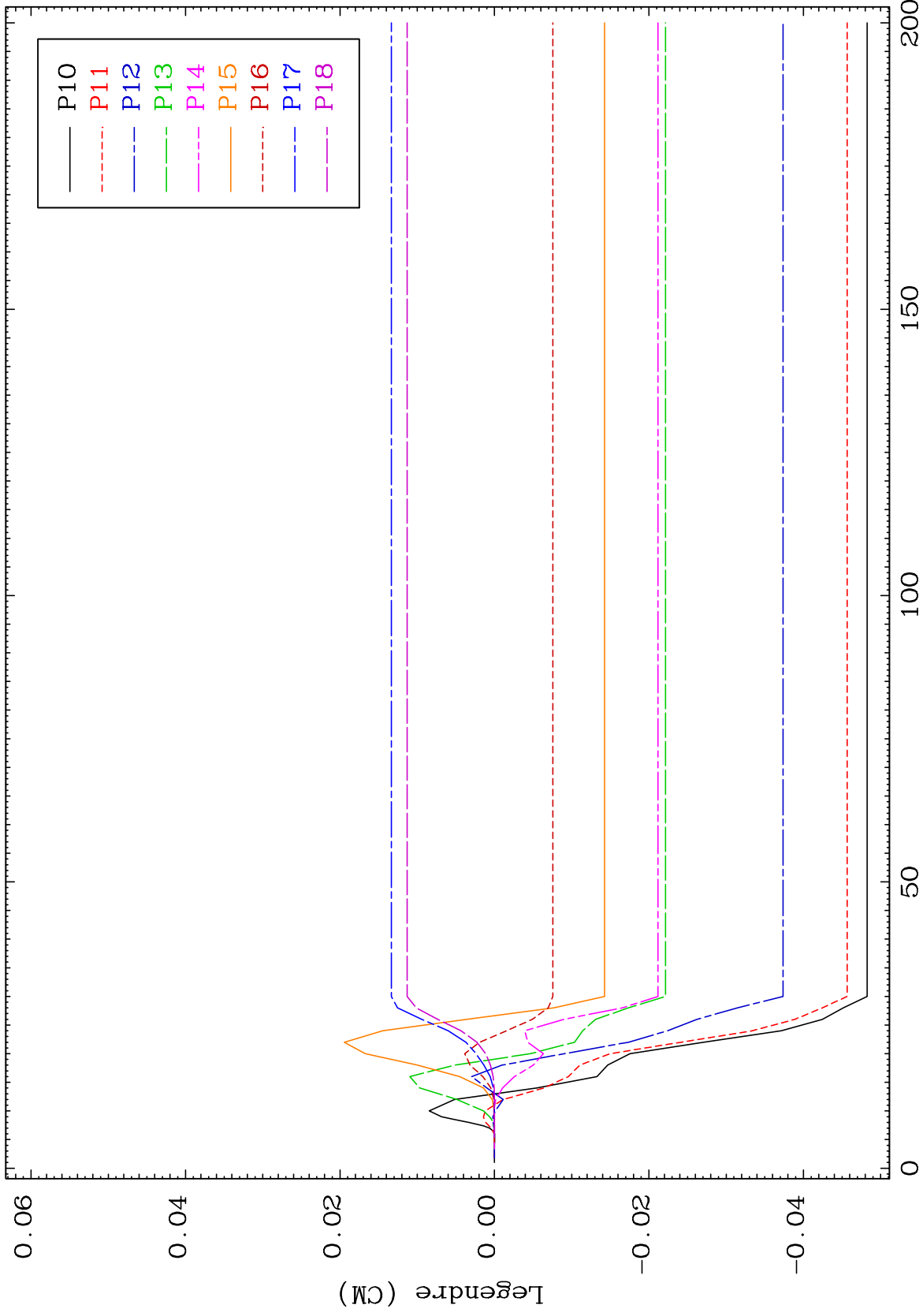


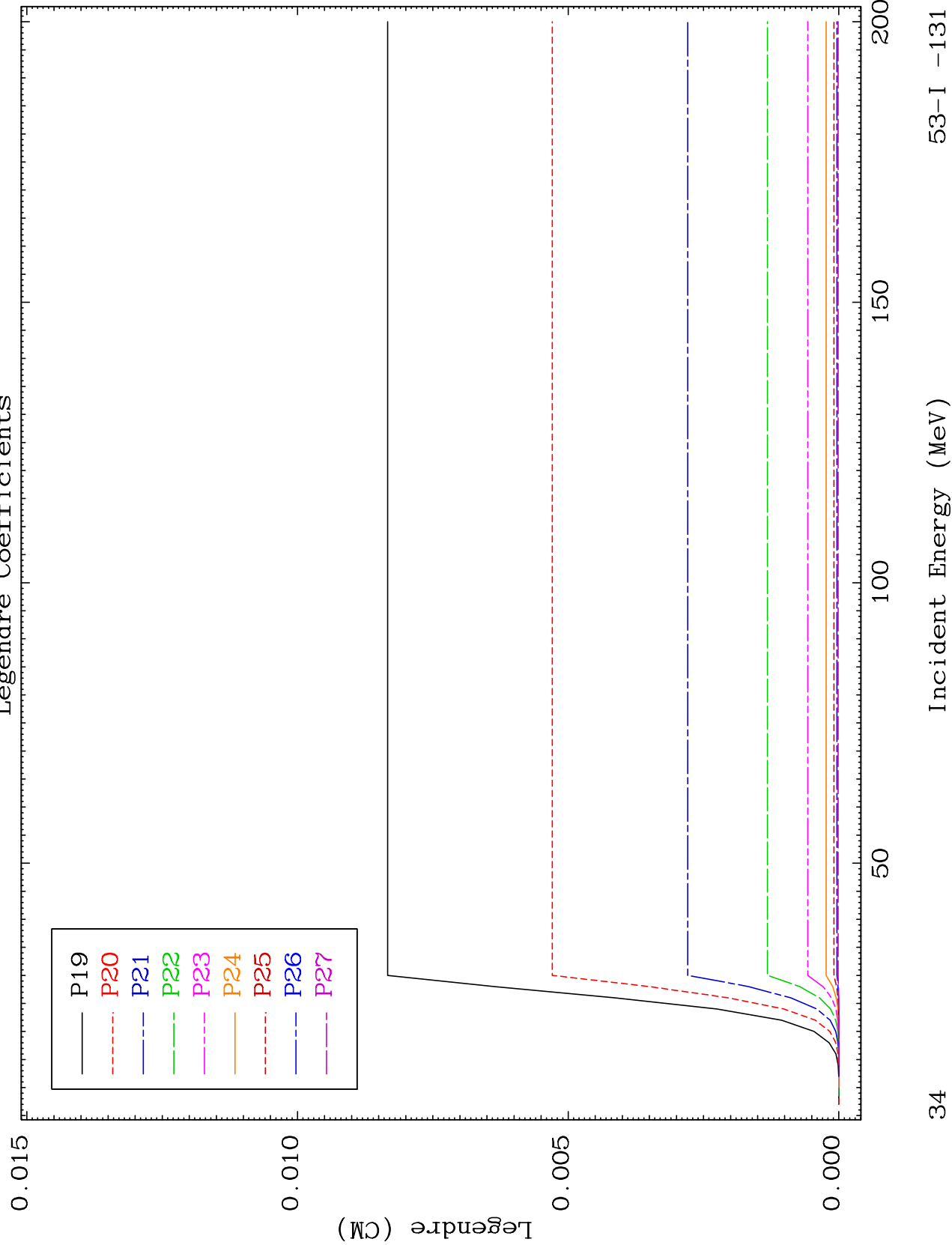
31

53-I -131





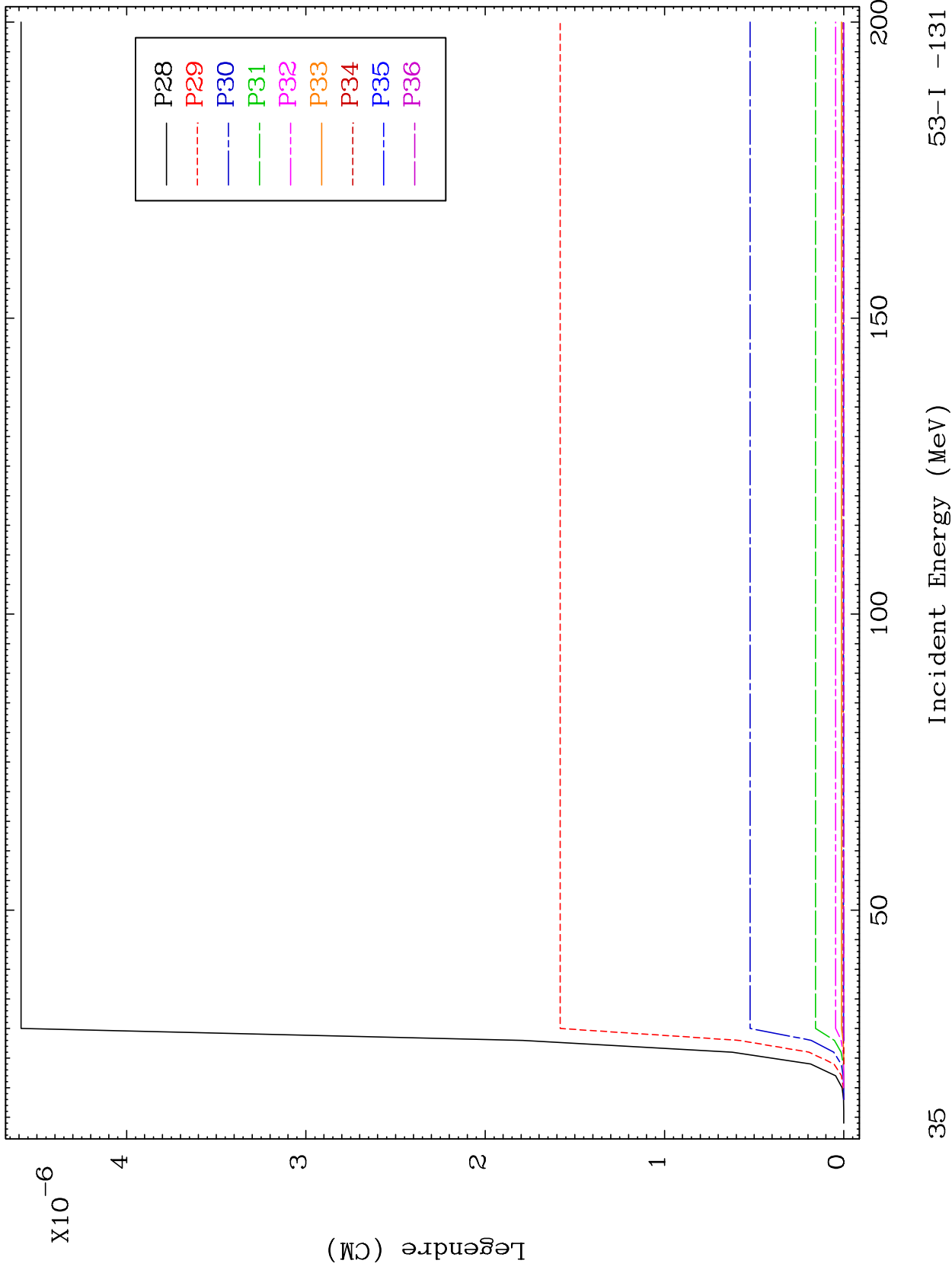


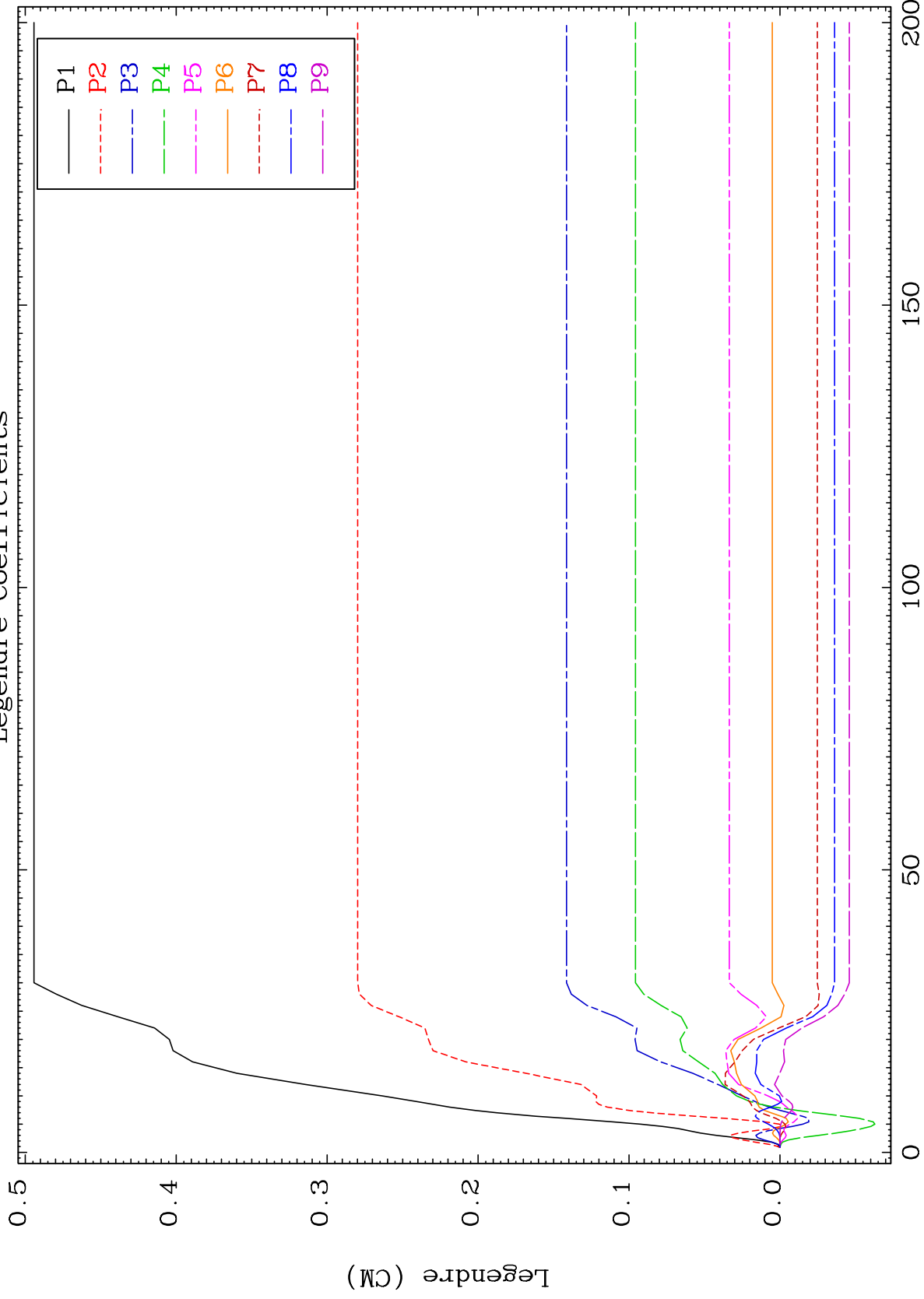


MAT 5337

773.7 keV (n,n') Level  
Legendre Coefficients

53-I -131

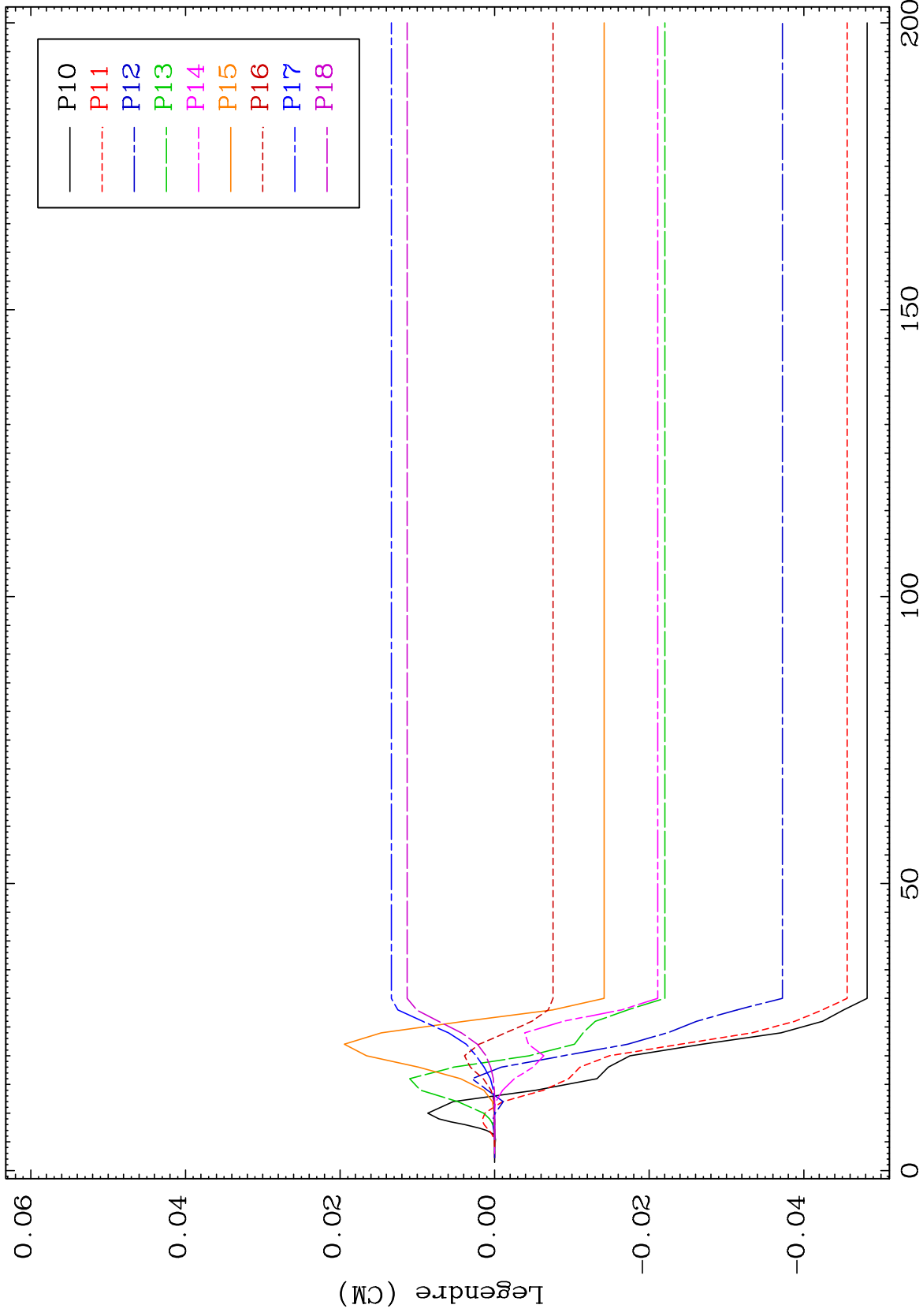




MAT 5337

852.2 keV (n,n') Level  
Legendre Coefficients

53-I -131



37

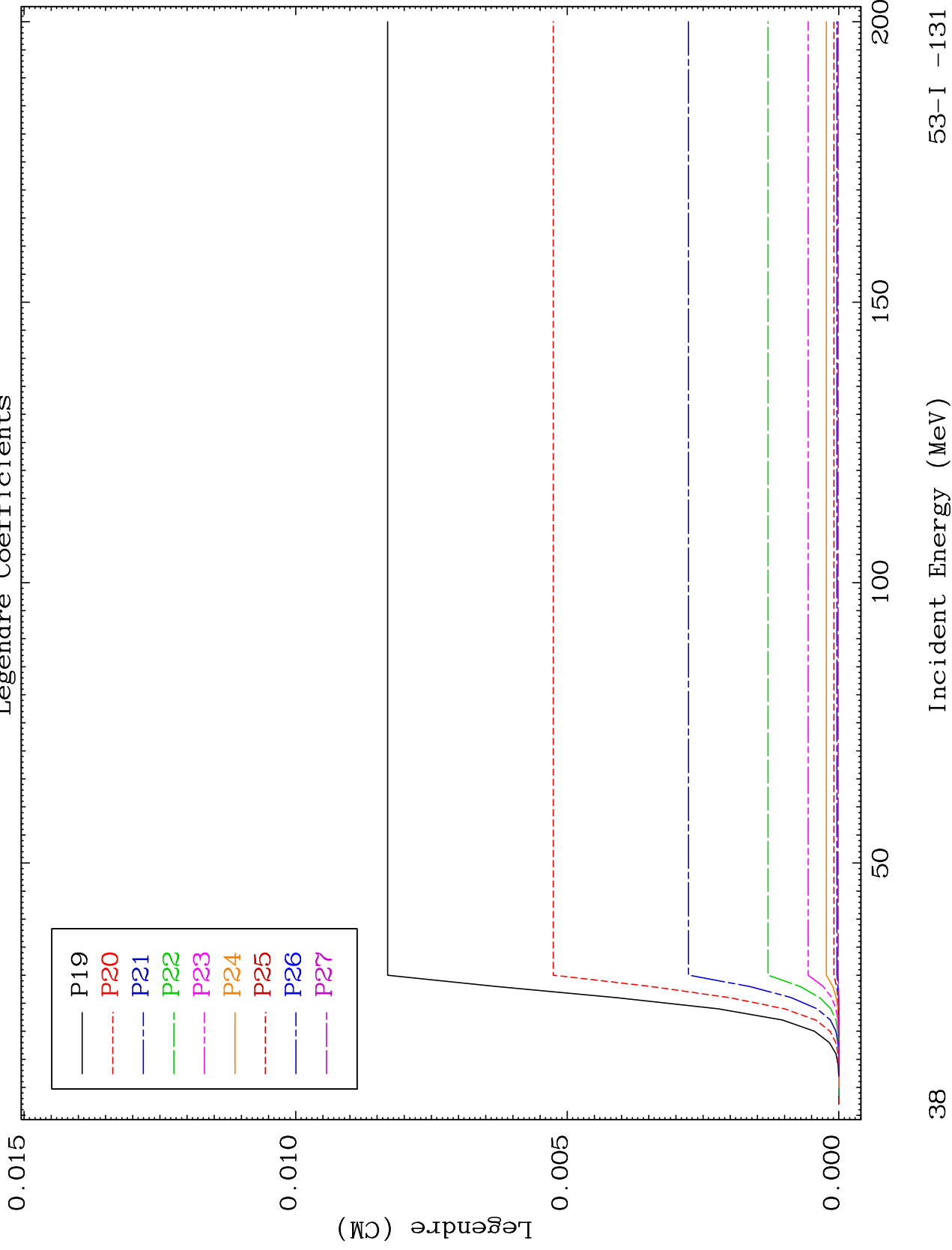
Incident Energy (MeV)

53-I -131

MAT 5337

852.2 keV (n,n') Level  
Legendre Coefficients

53-I -131



38

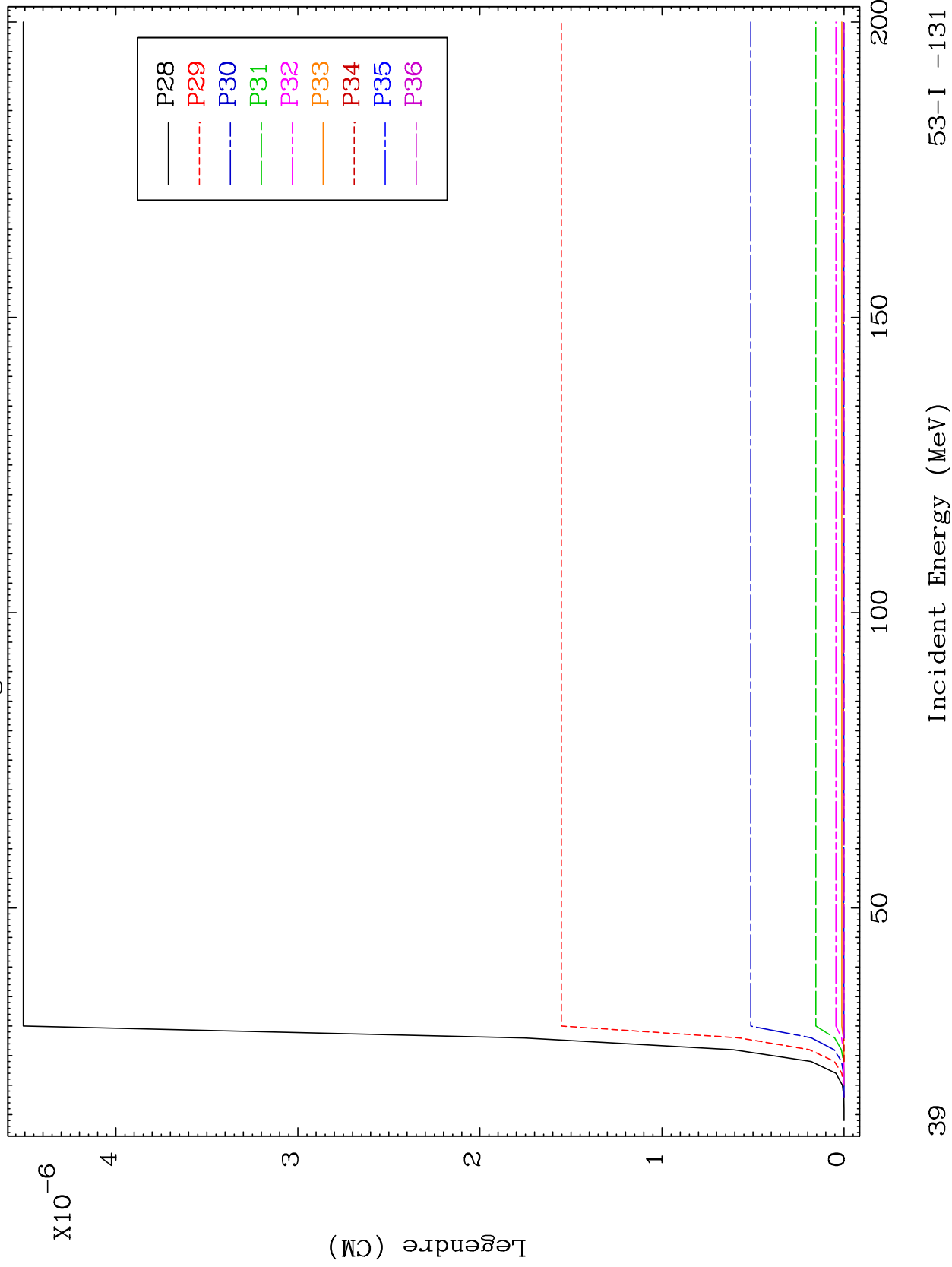
Incident Energy (MeV)

53-I -131

MAT 5337

852.2 keV (n,n') Level  
Legendre Coefficients

53-I -131

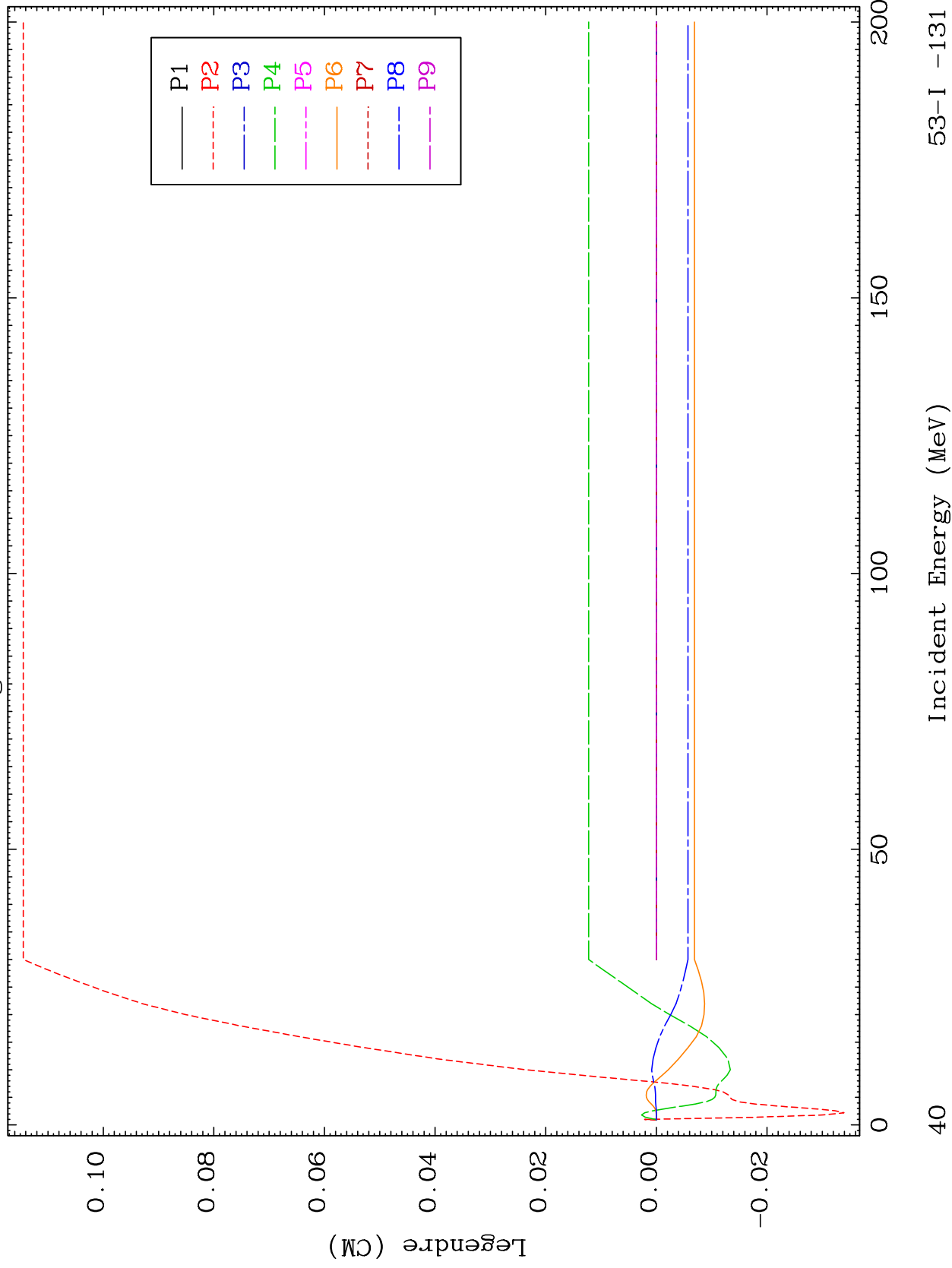




MAT 5337

876.7 keV (n,n') Level  
Legendre Coefficients

53-I -131



53-I -131

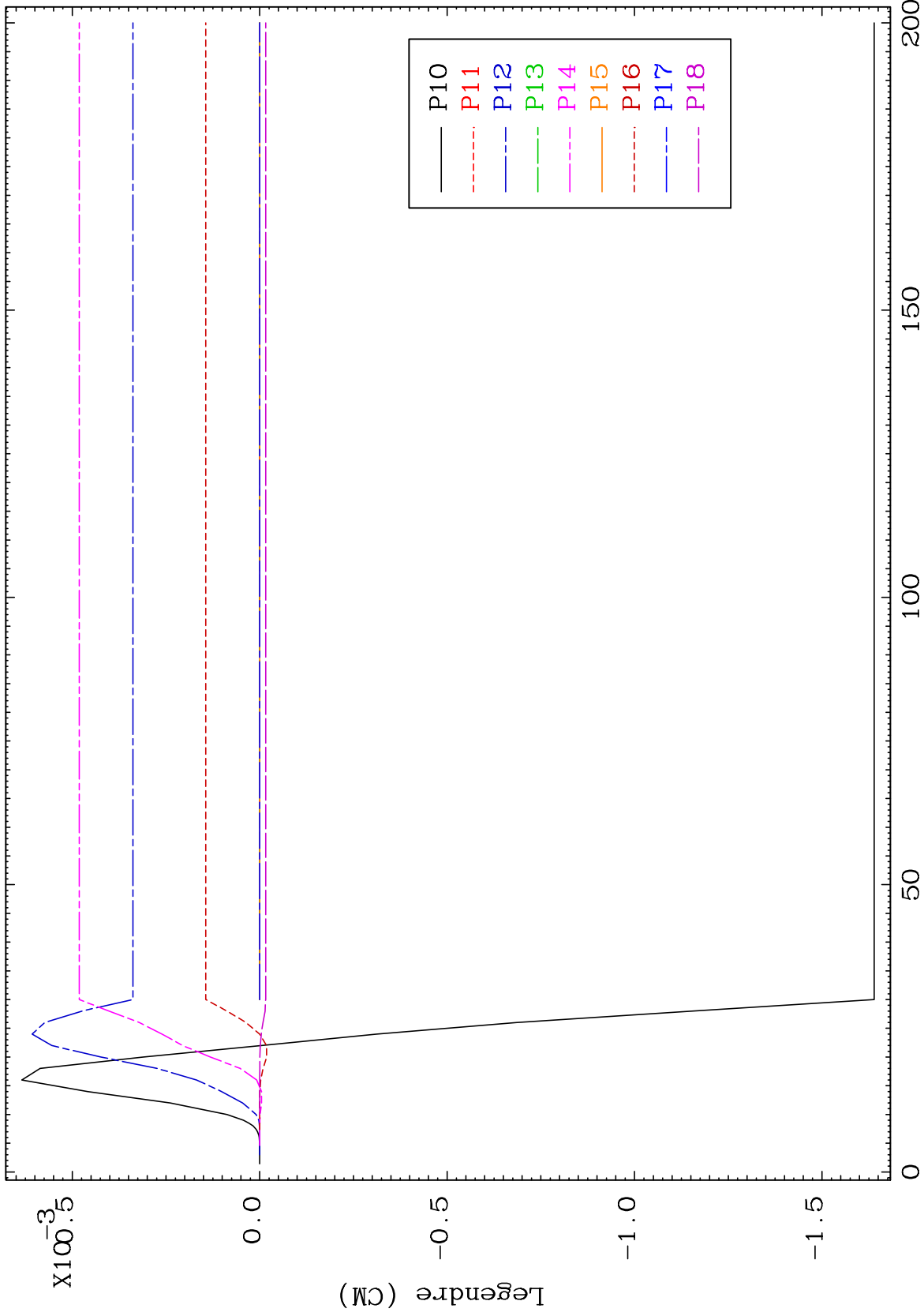
Incident Energy (MeV)

40

MAT 5337

876.7 keV (n,n') Level  
Legendre Coefficients

53-I -131



41

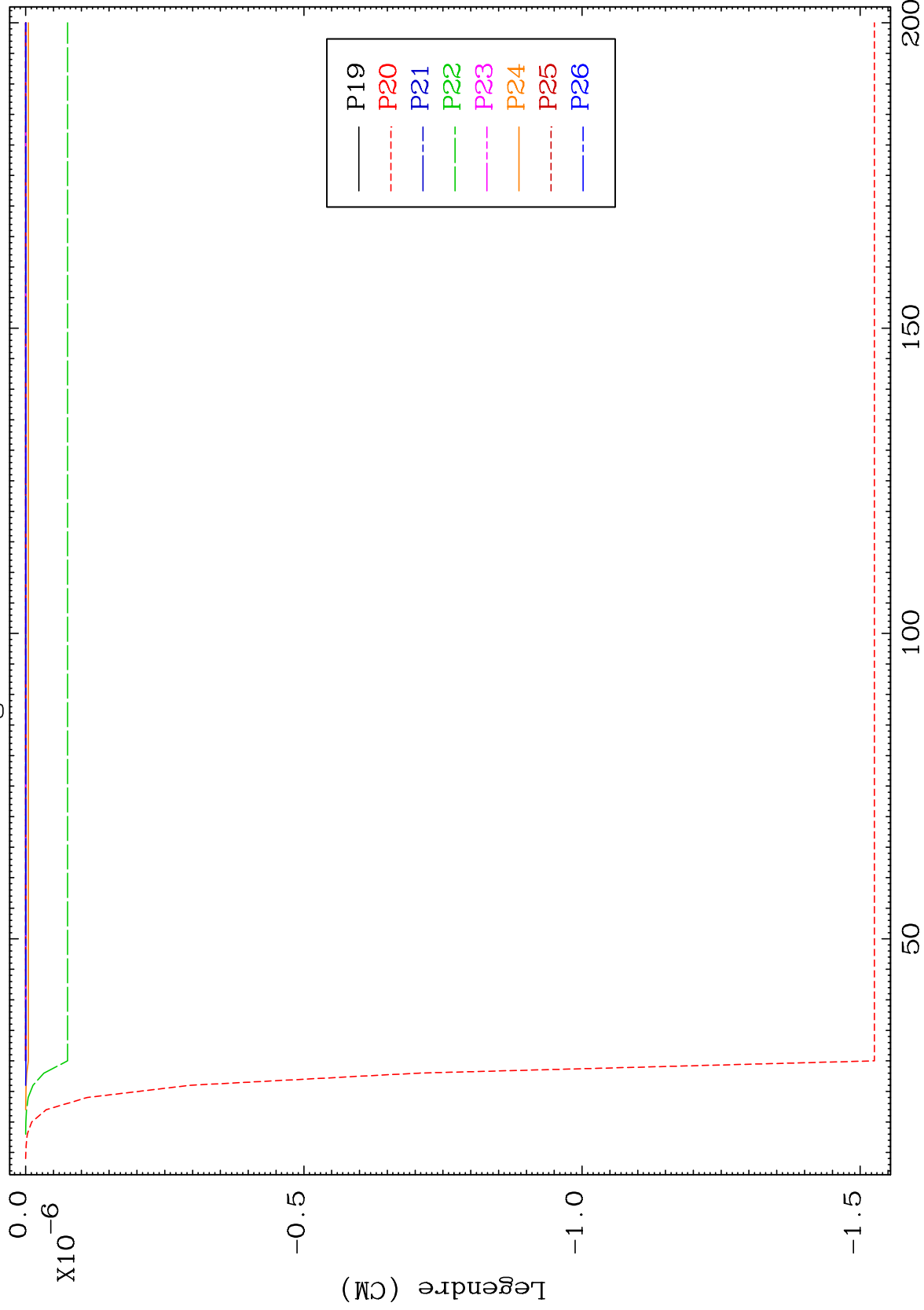
Incident Energy (MeV)

53-I -131

MAT 5337

876.7 keV (n,n') Level  
Legendre Coefficients

53-I -131



42

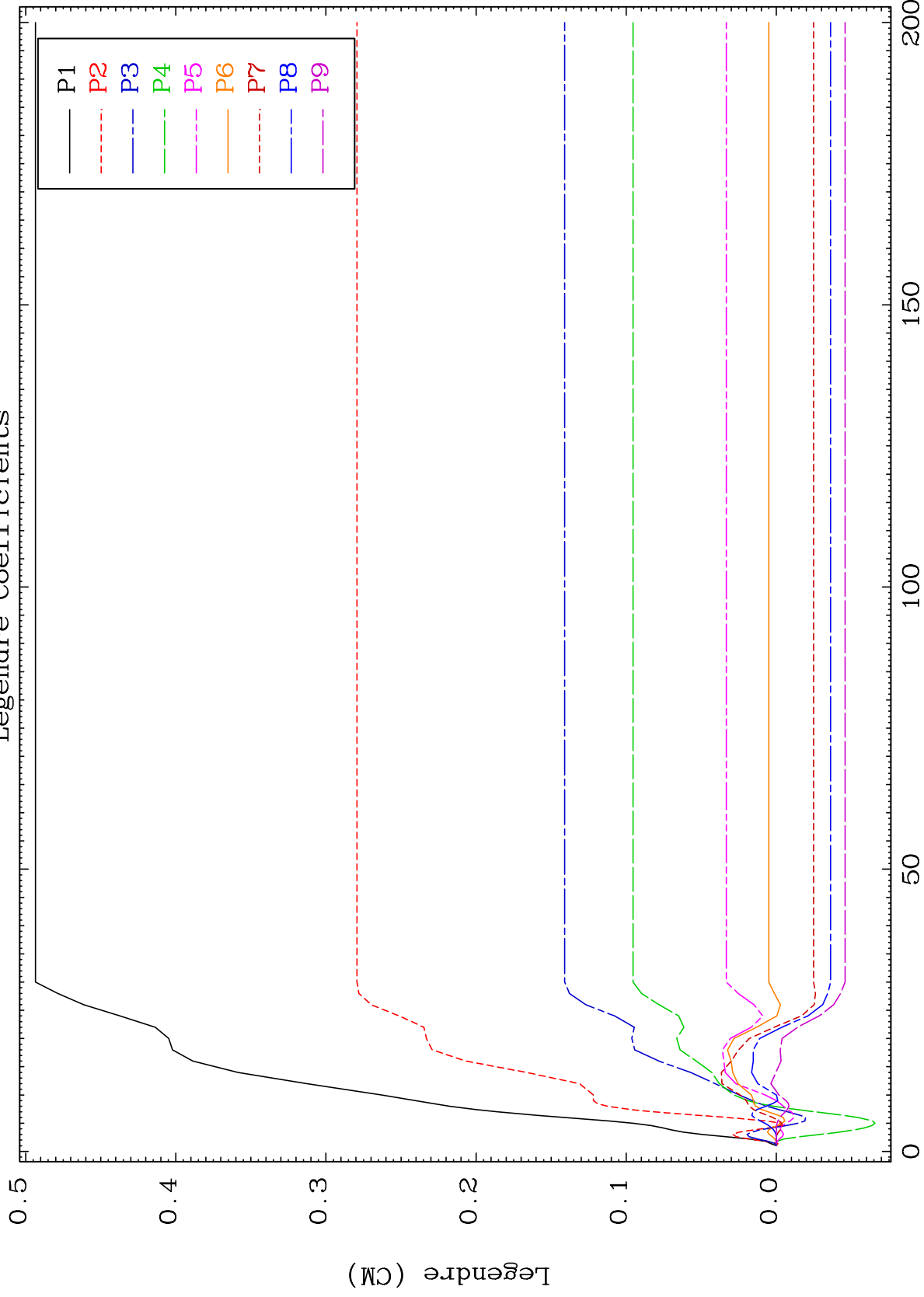
Incident Energy (MeV)

53-I -131

MAT 5337

1.006 MeV (n,n') Level  
Legendre Coefficients

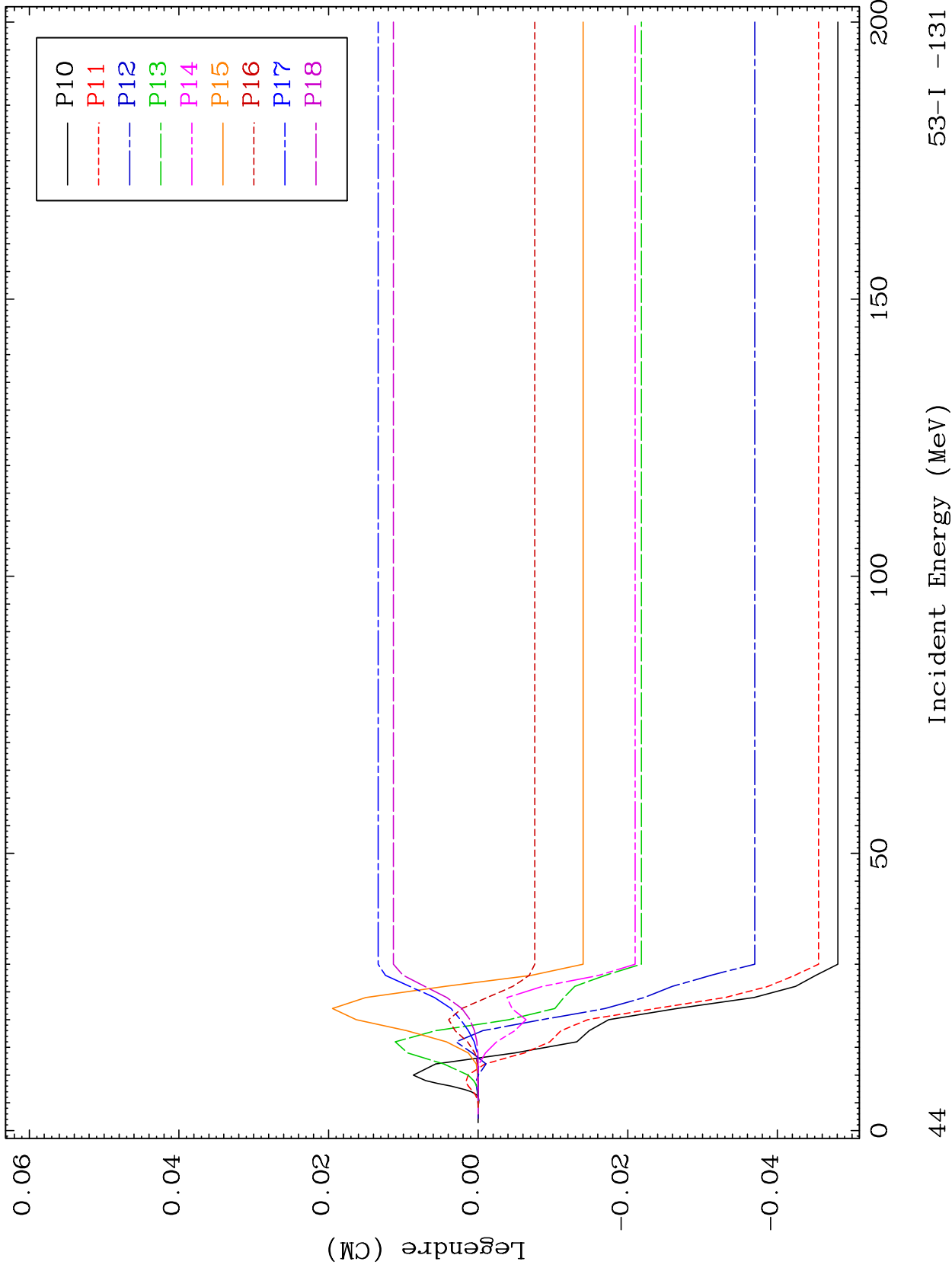
53-I -131



53-I -131

Incident Energy (MeV)

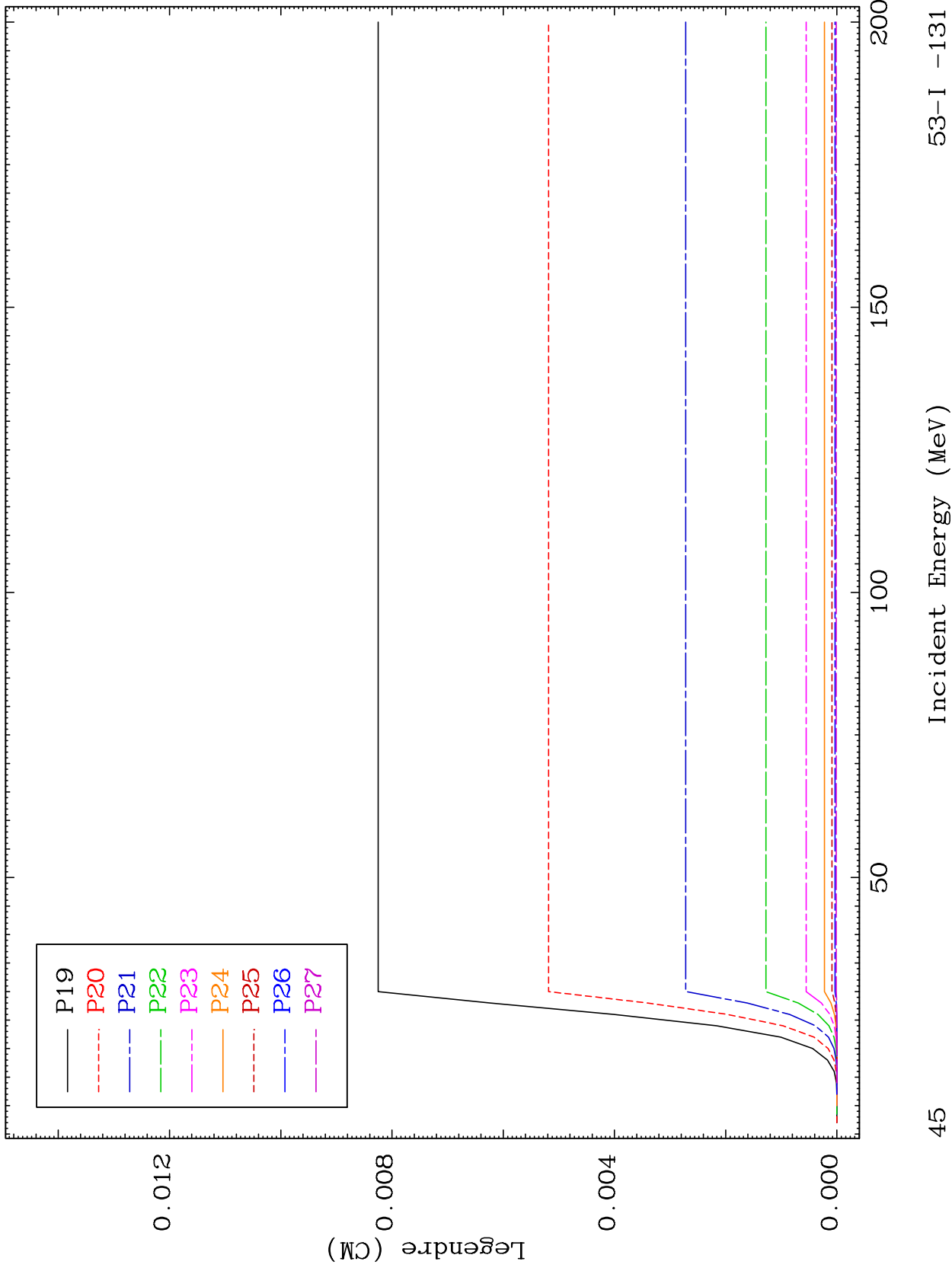
43



MAT 5337

1.006 MeV (n,n') Level  
Legendre Coefficients

53-I -131



45

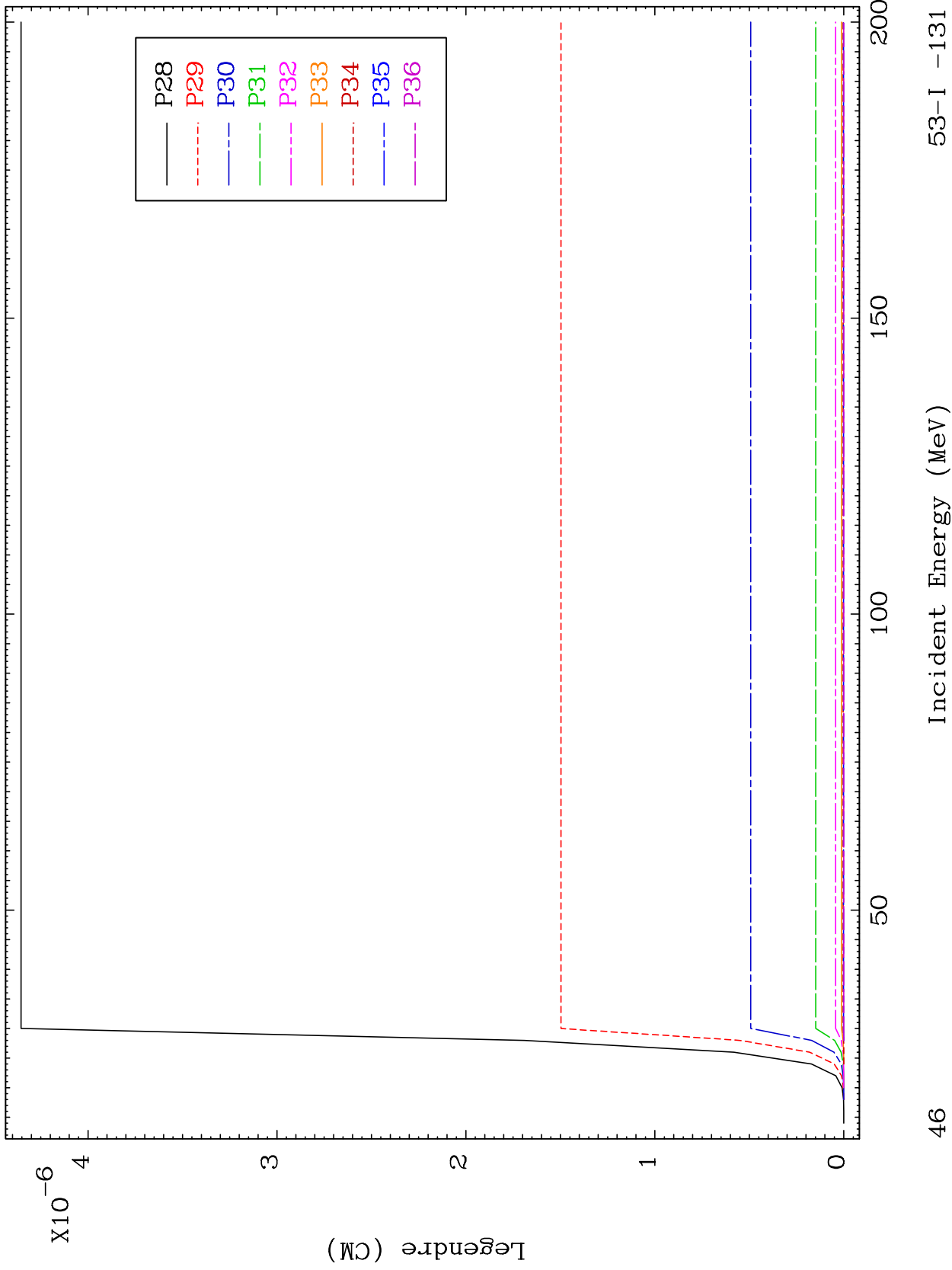
Incident Energy (MeV)

53-I -131

MAT 5337

1.006 MeV (n,n') Level  
Legendre Coefficients

53-I -131



46

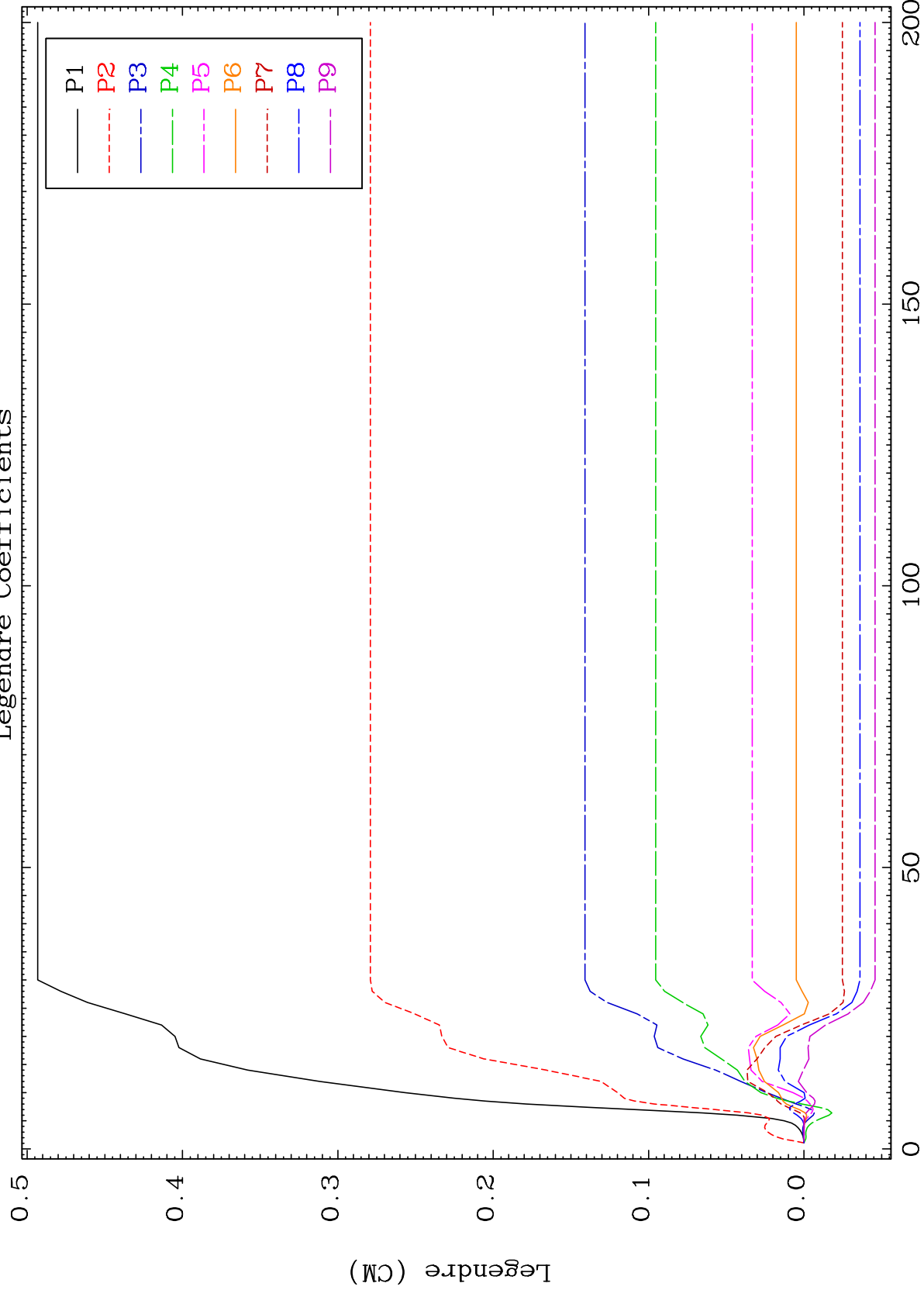
Incident Energy (MeV)

53-I -131

MAT 5337

1.060 MeV (n,n') Level  
Legendre Coefficients

53-I -131



47

Incident Energy (MeV)

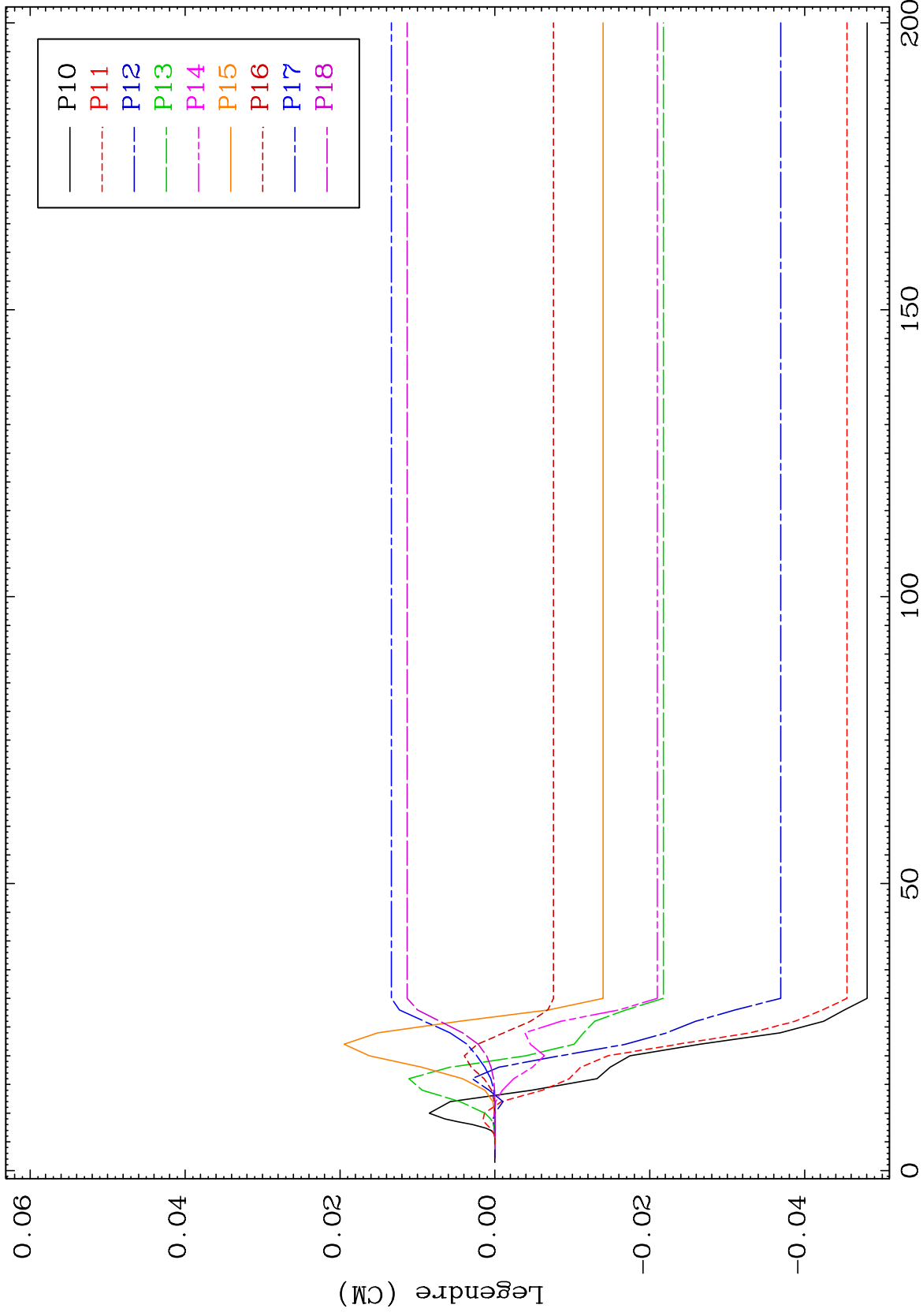
53-I -131



MAT 5337

1.060 MeV (n,n') Level  
Legendre Coefficients

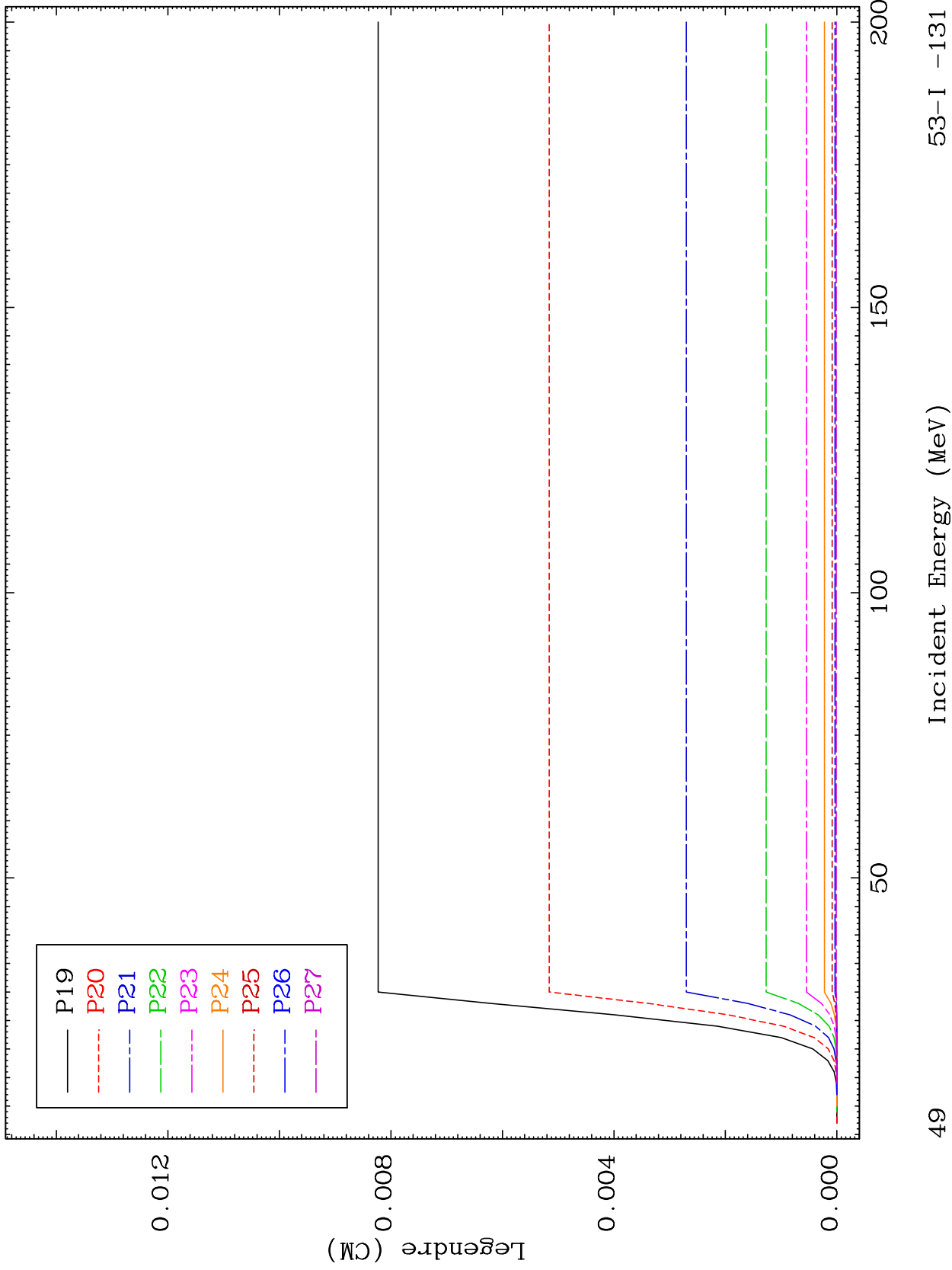
53-I -131



48

Incident Energy (MeV)

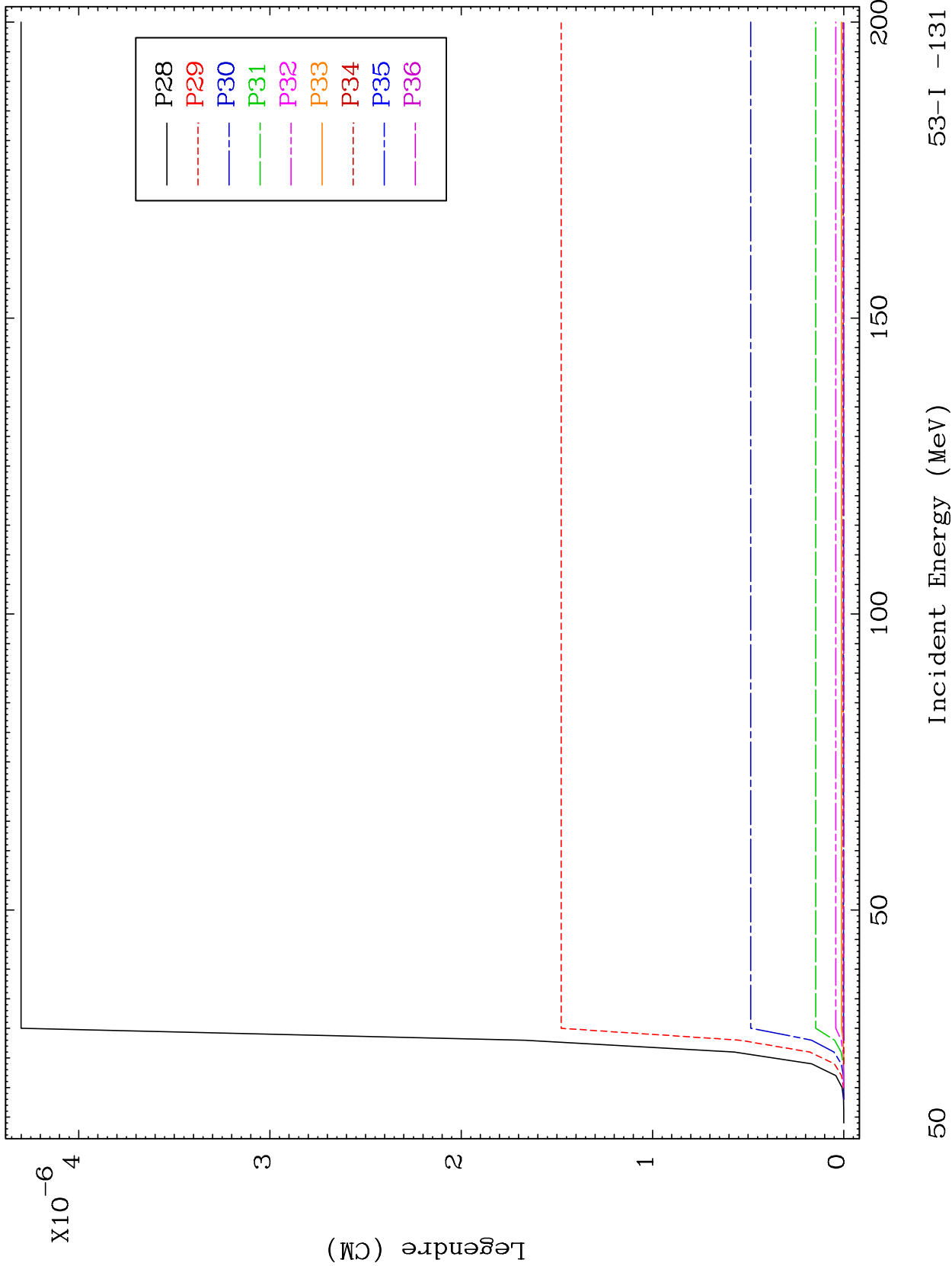
53-I -131



MAT 5337

1.060 MeV (n,n') Level  
Legendre Coefficients

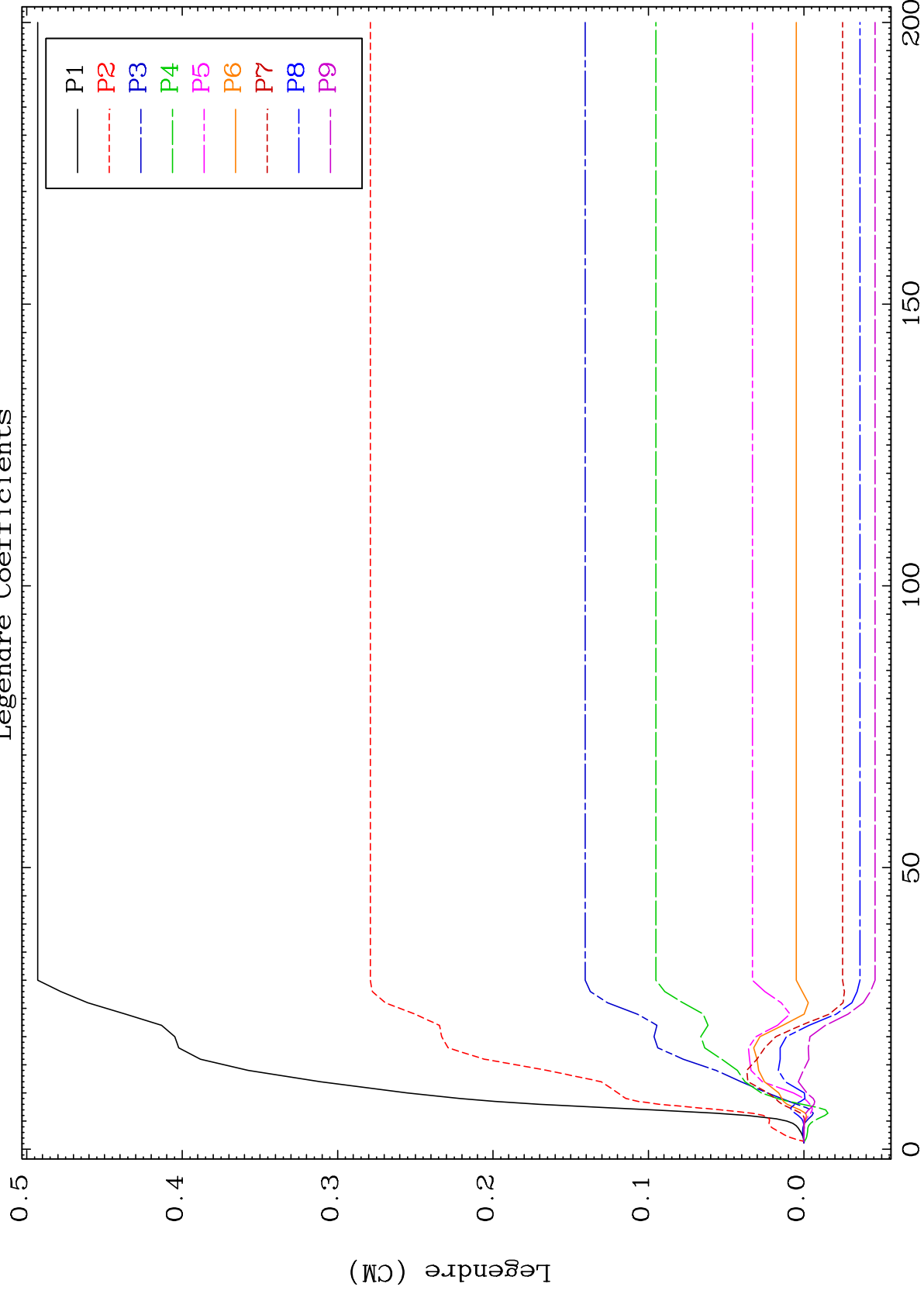
53-I -131



MAT 5337

1.098 MeV (n,n') Level  
Legendre Coefficients

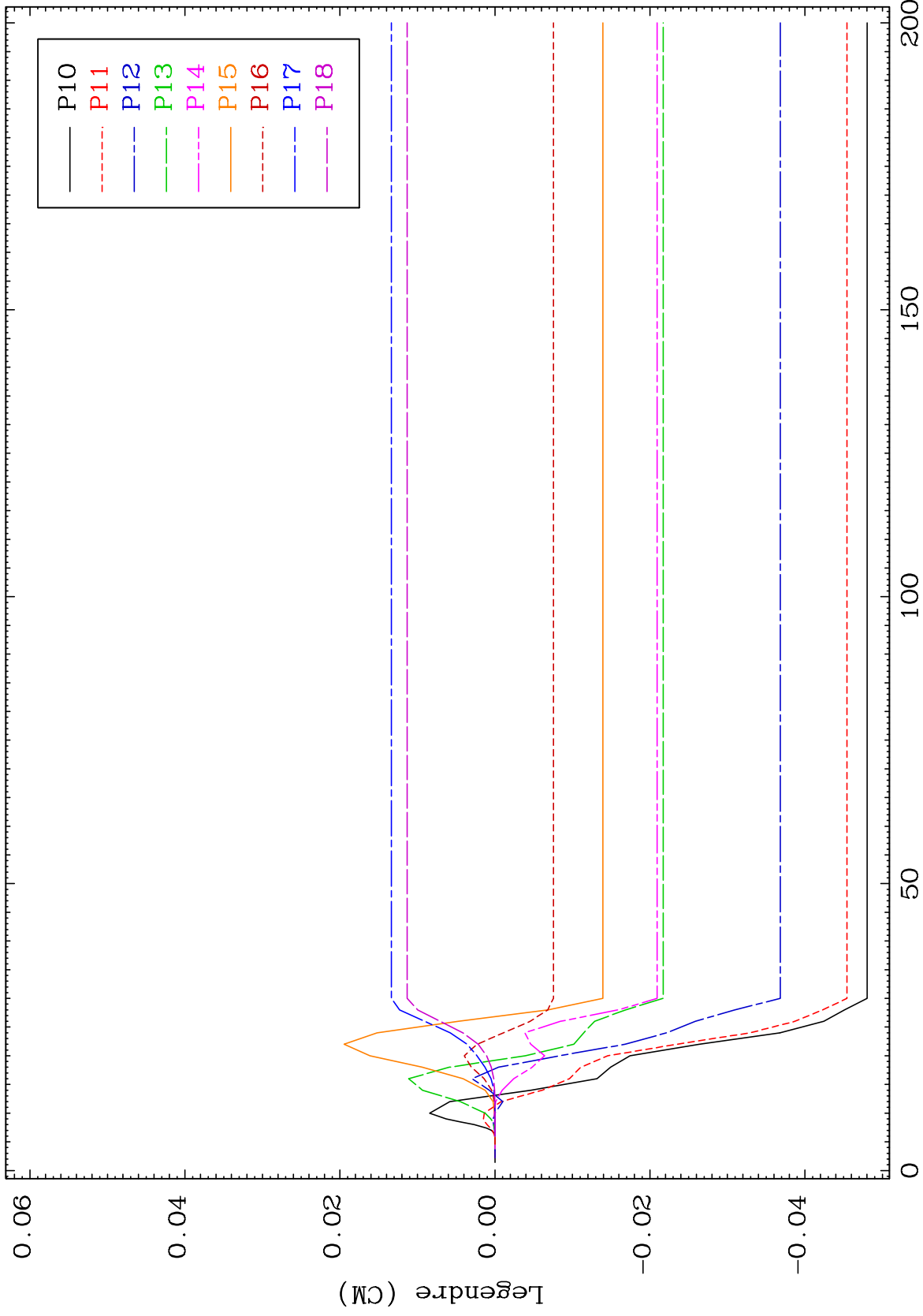
53-I -131

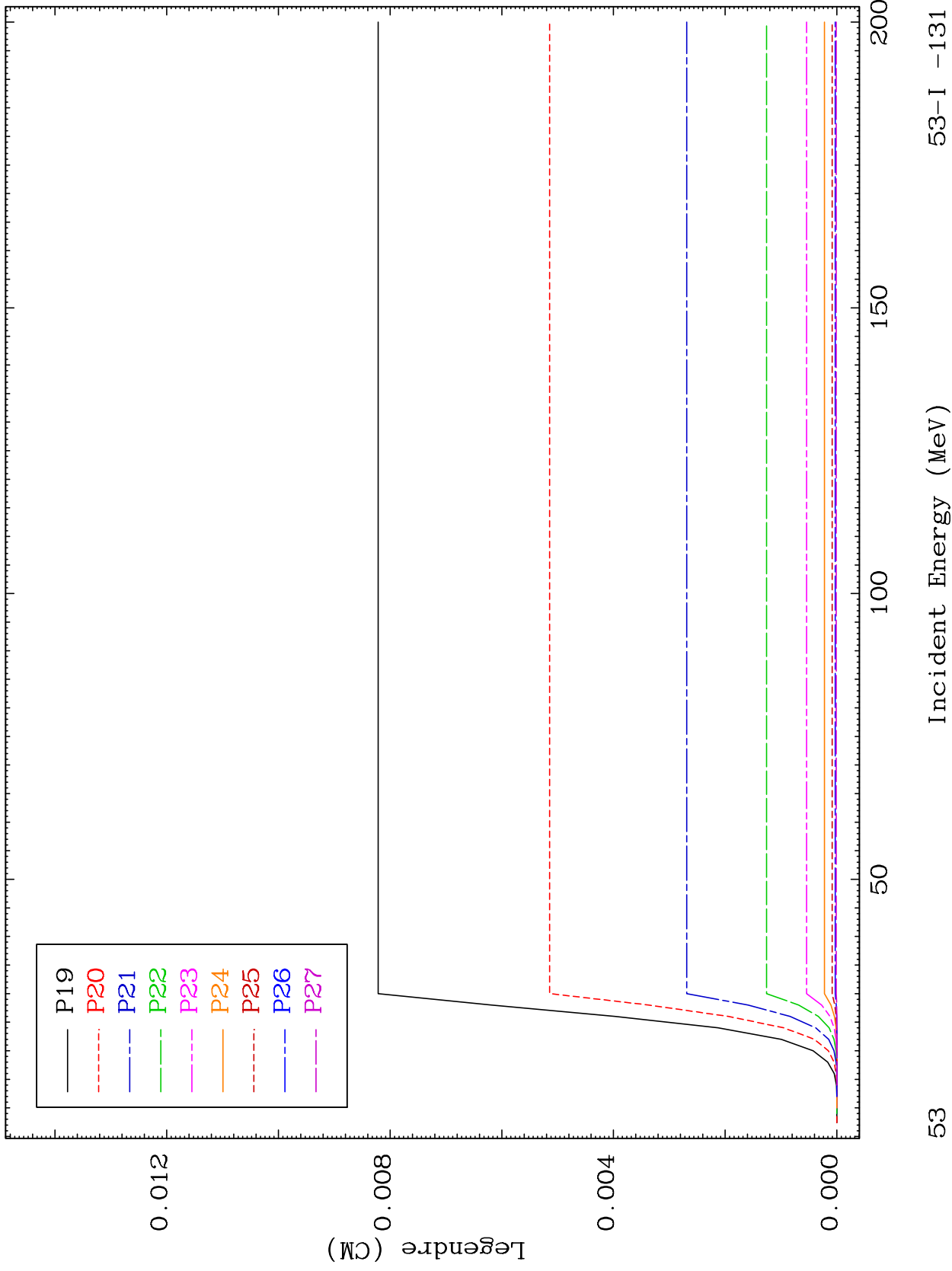


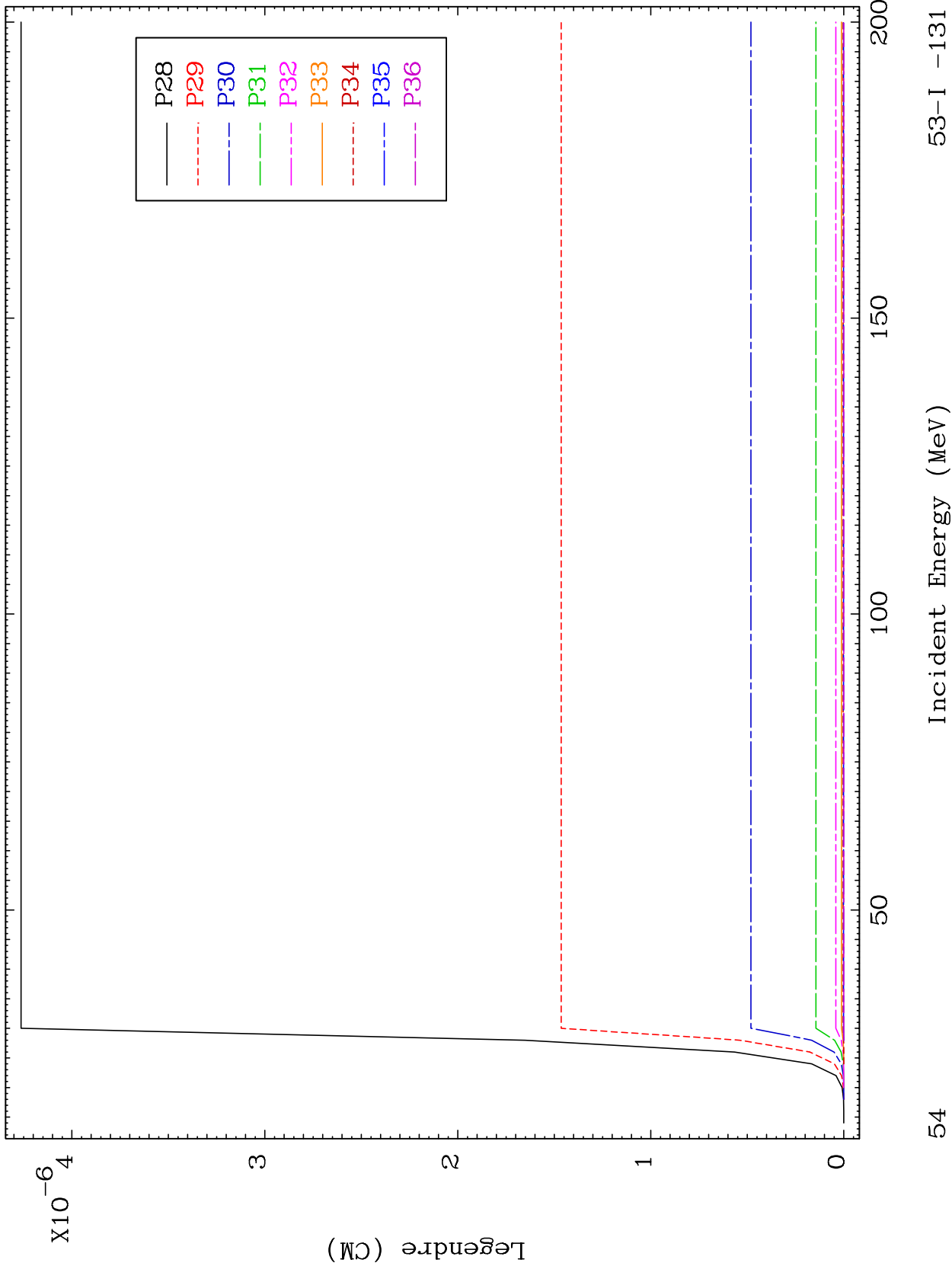
51

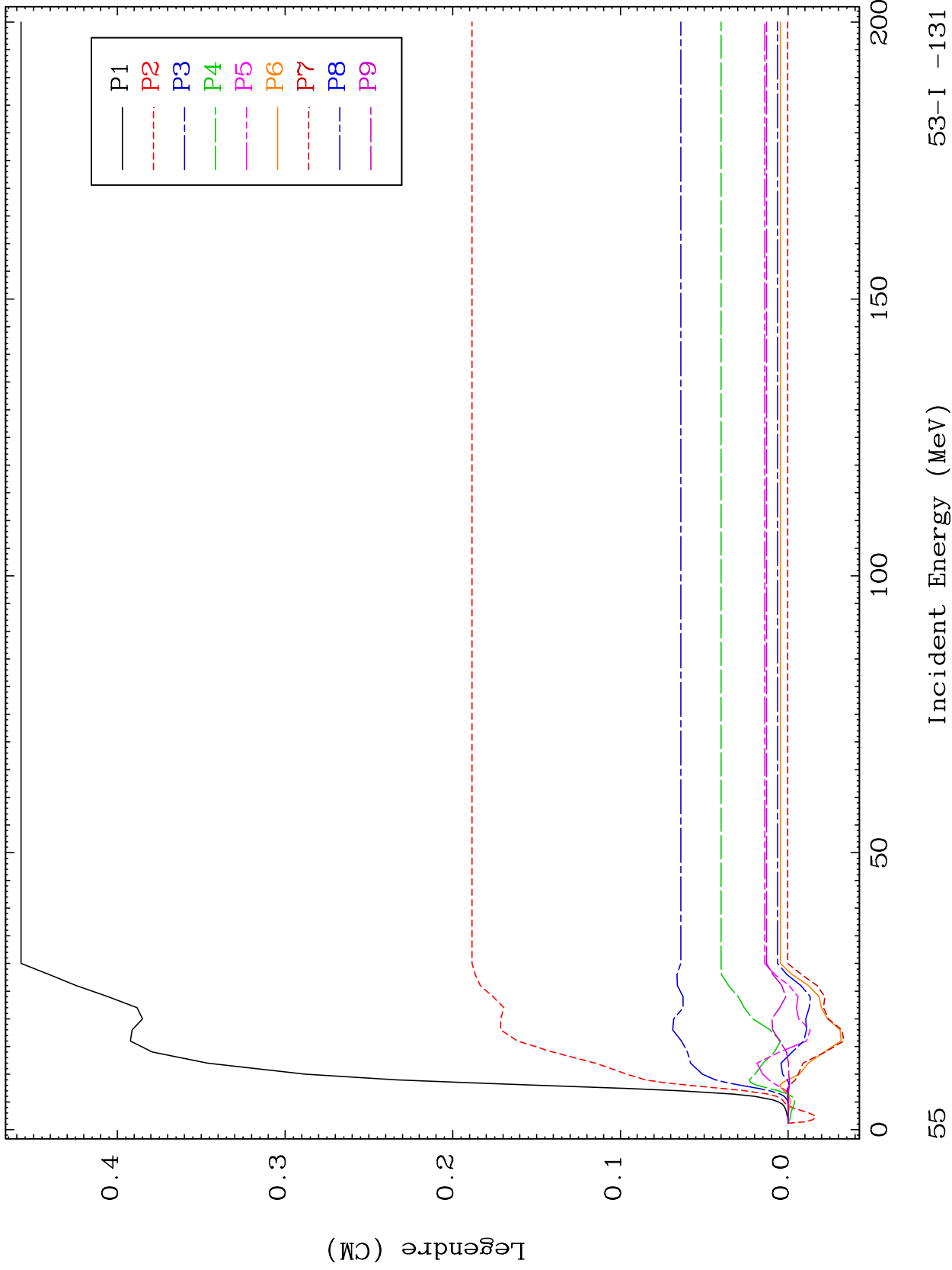
Incident Energy (MeV)

53-I -131

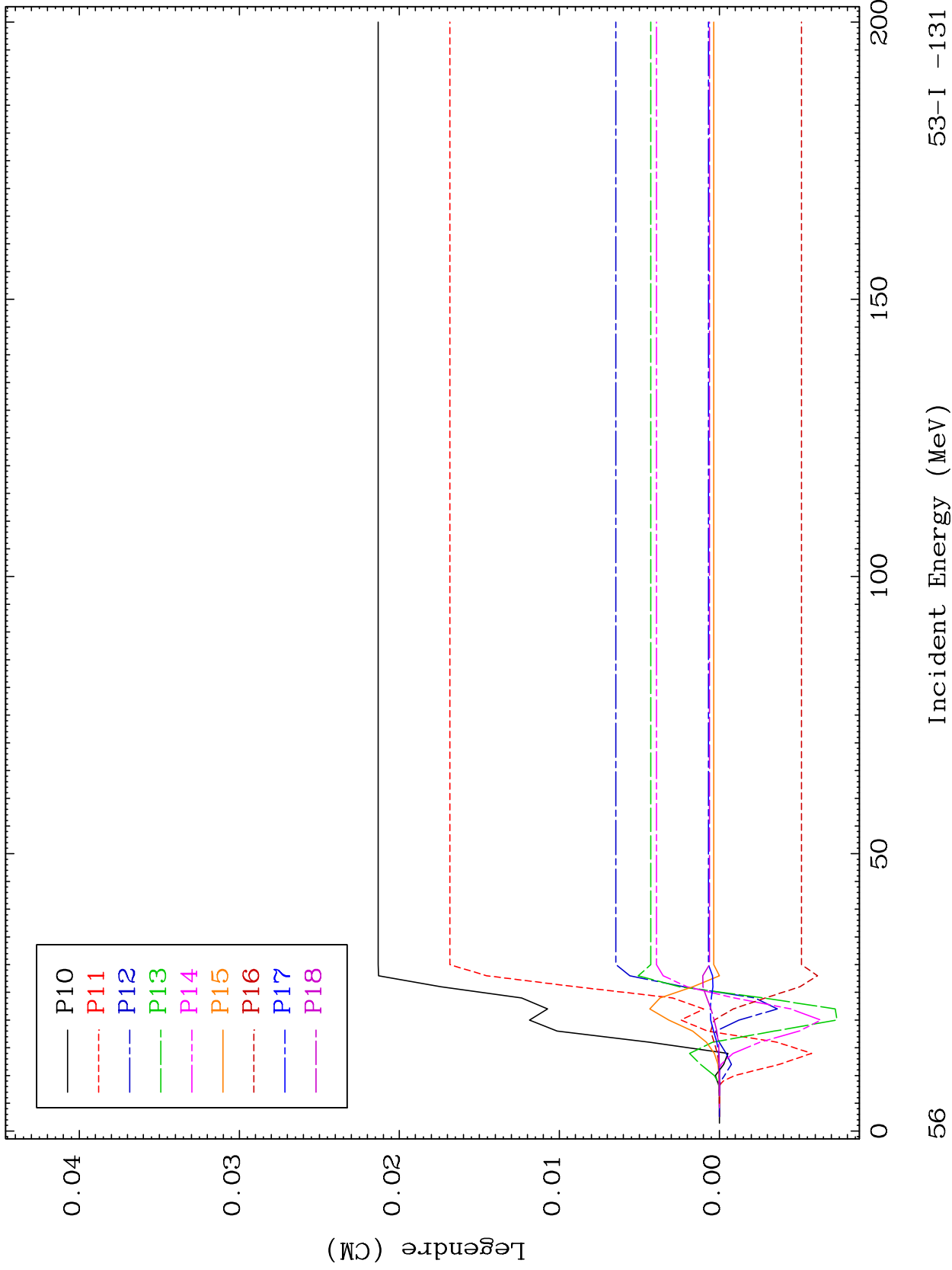


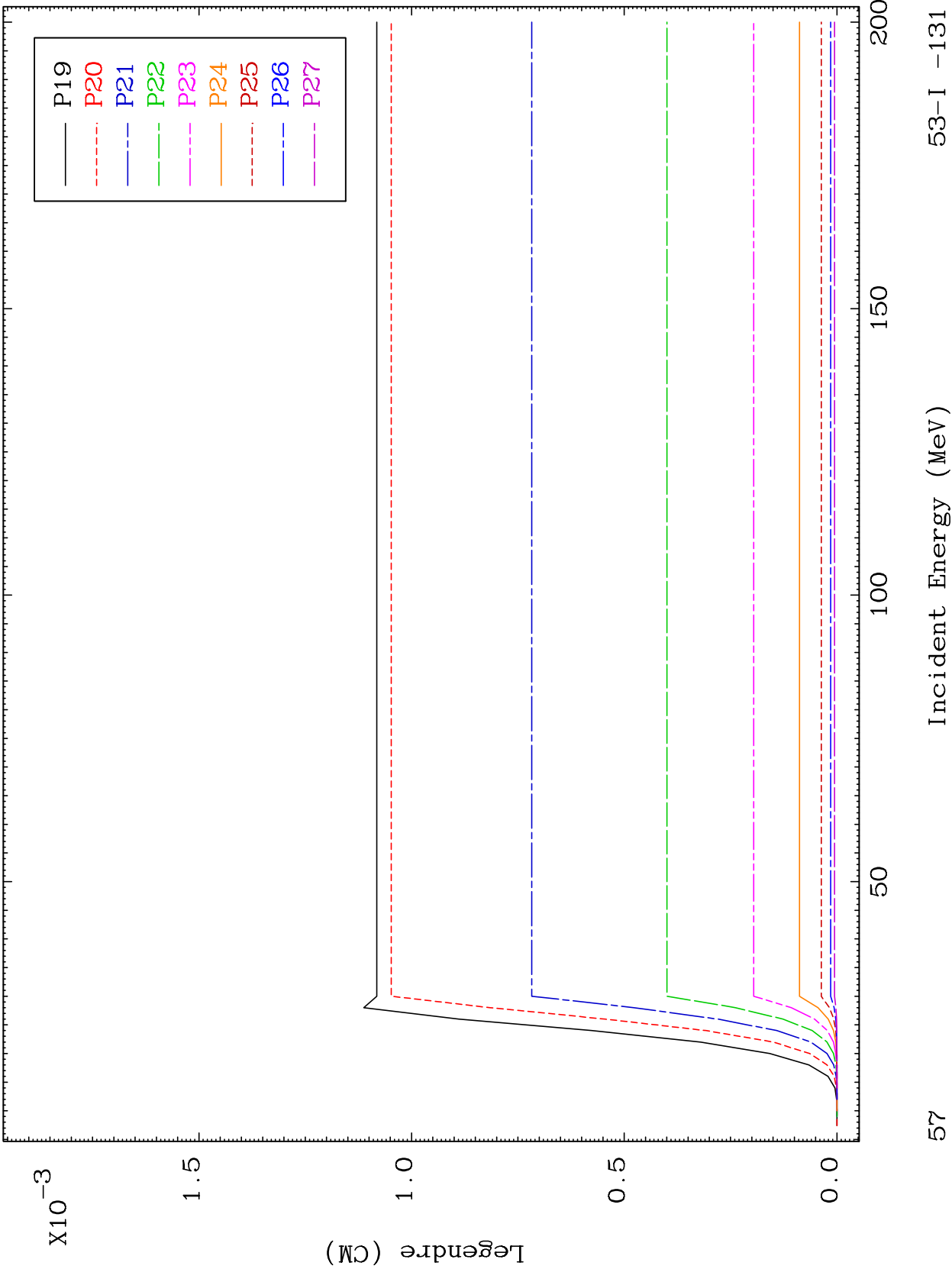


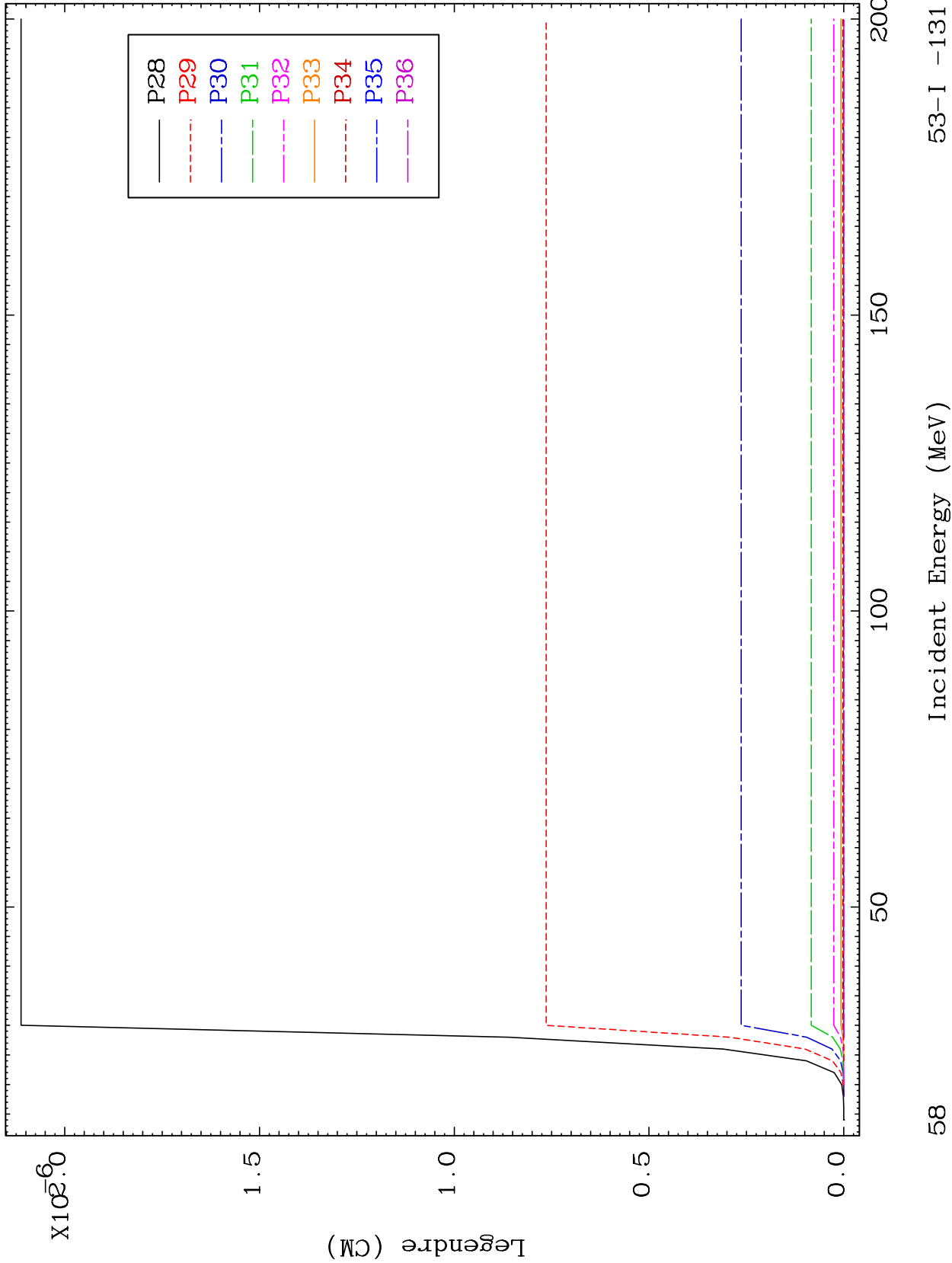


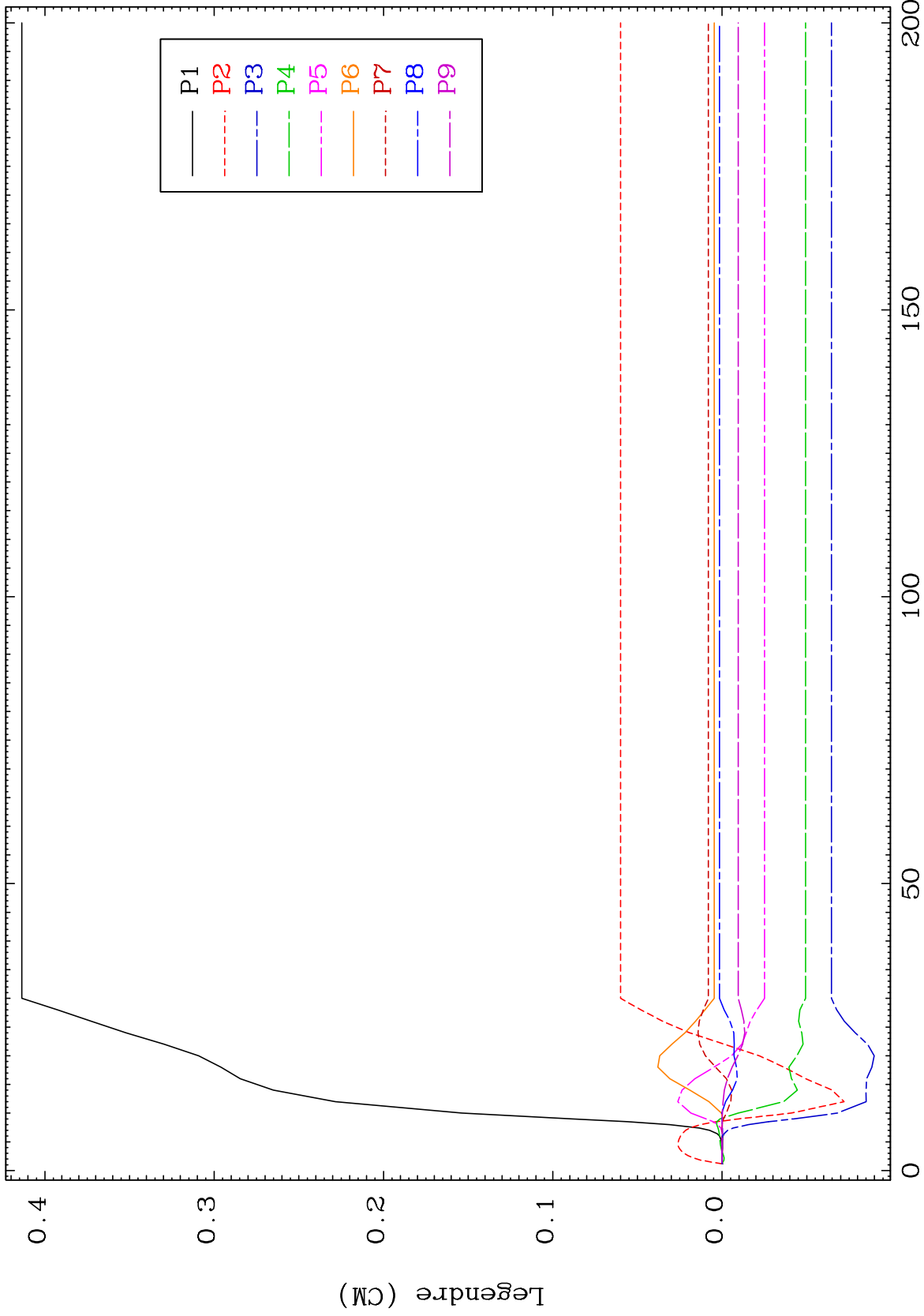








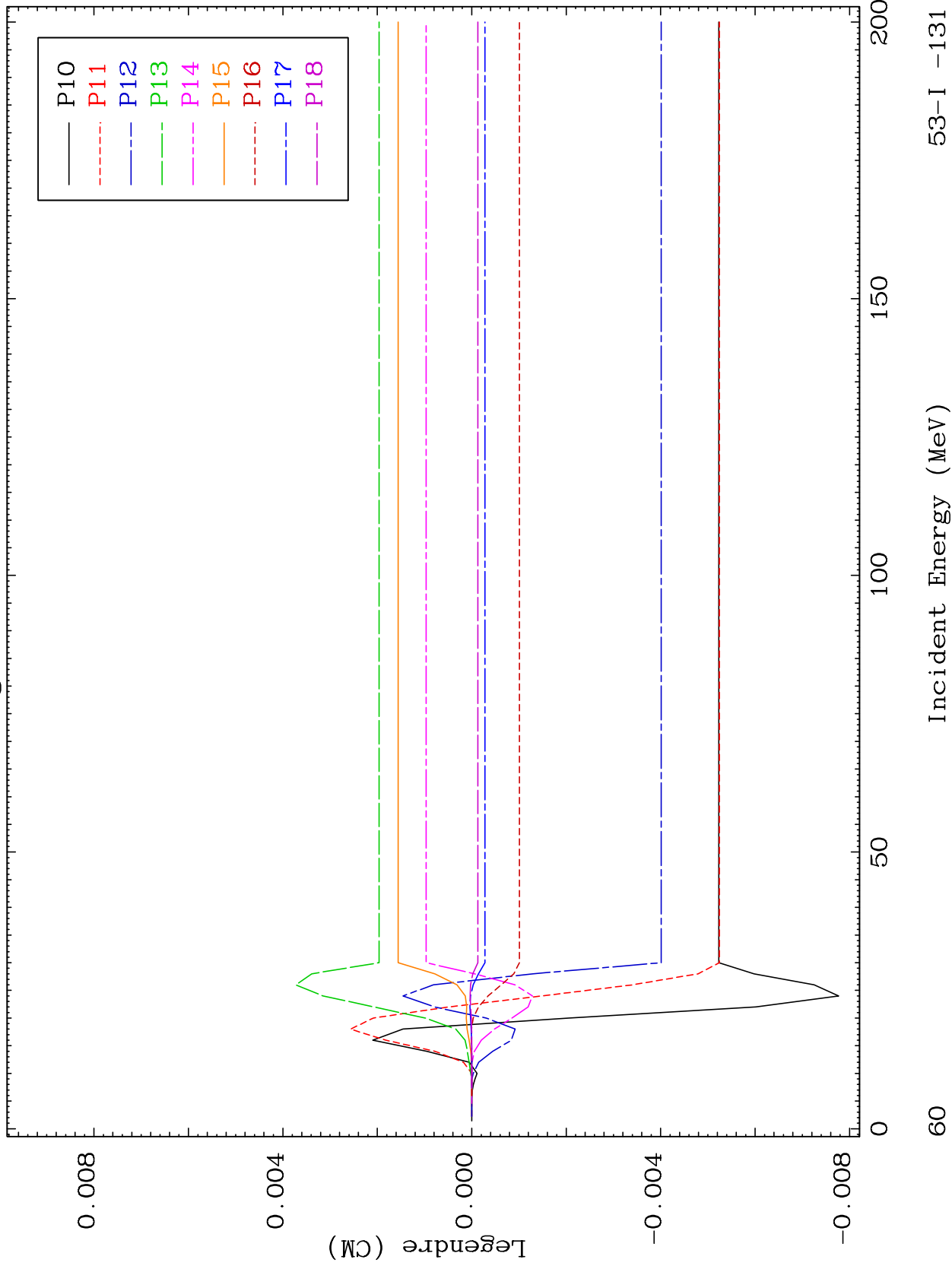




MAT 5337

1.149 MeV (n,n') Level  
Legendre Coefficients

53-I -131

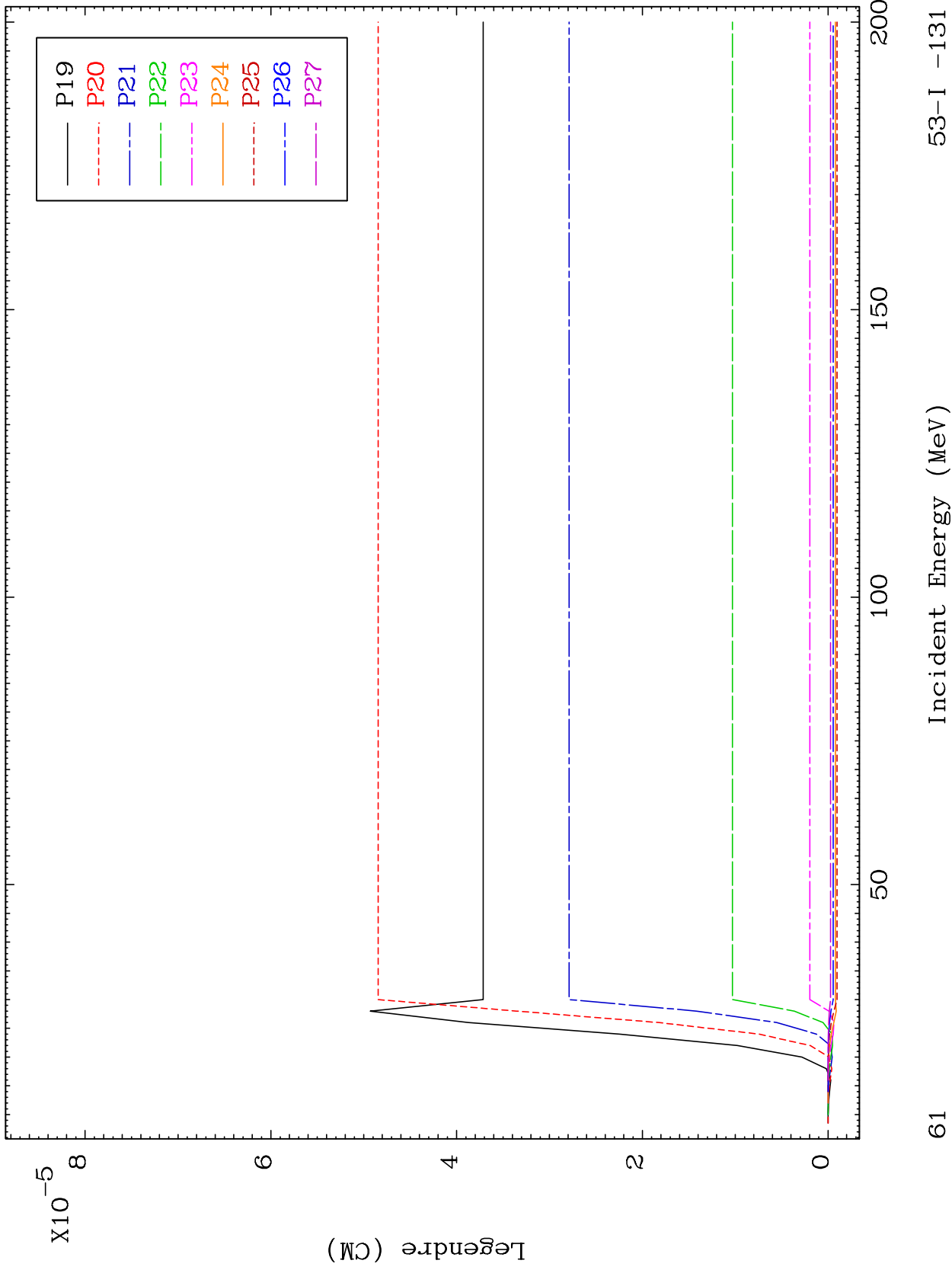


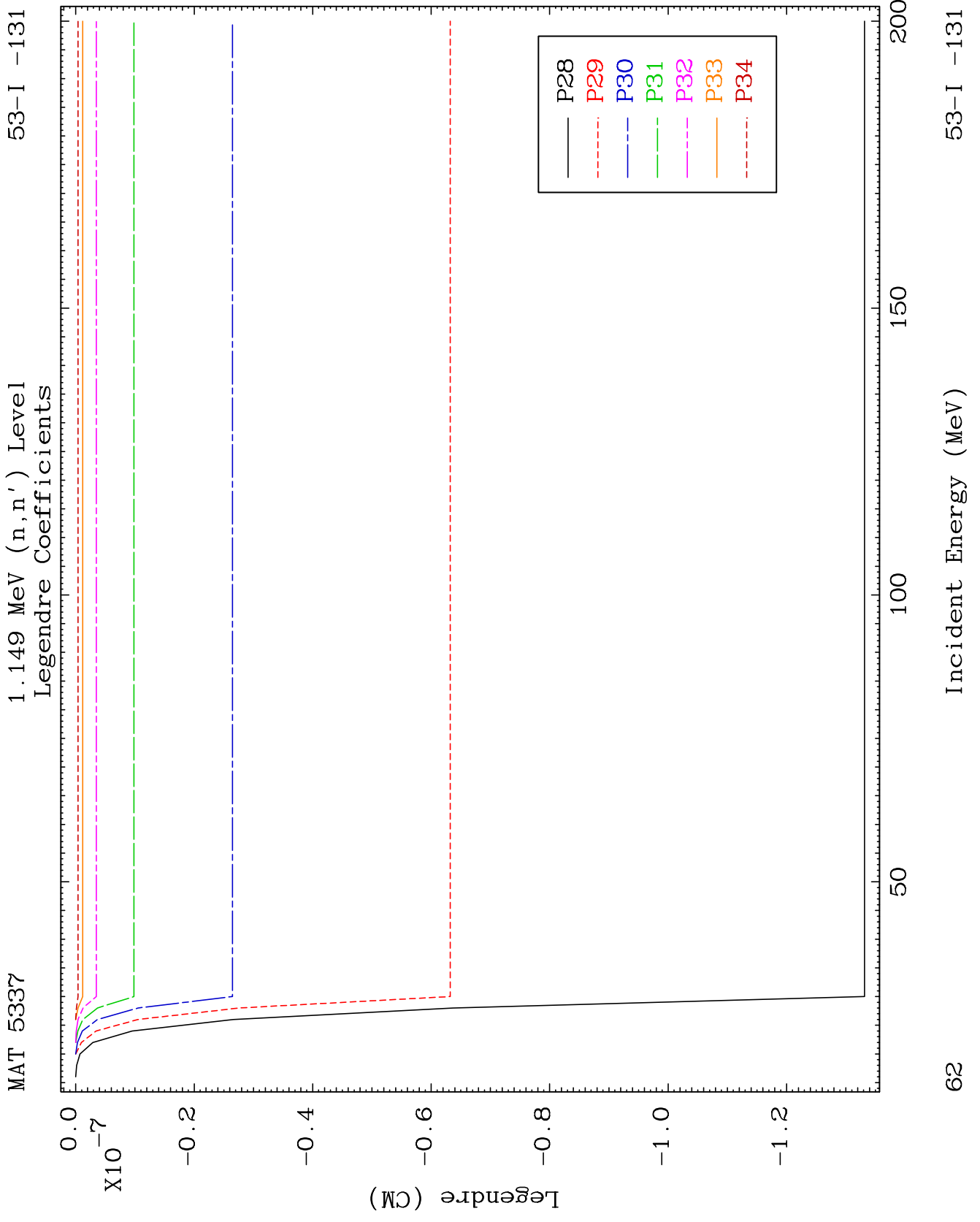
53-I -131

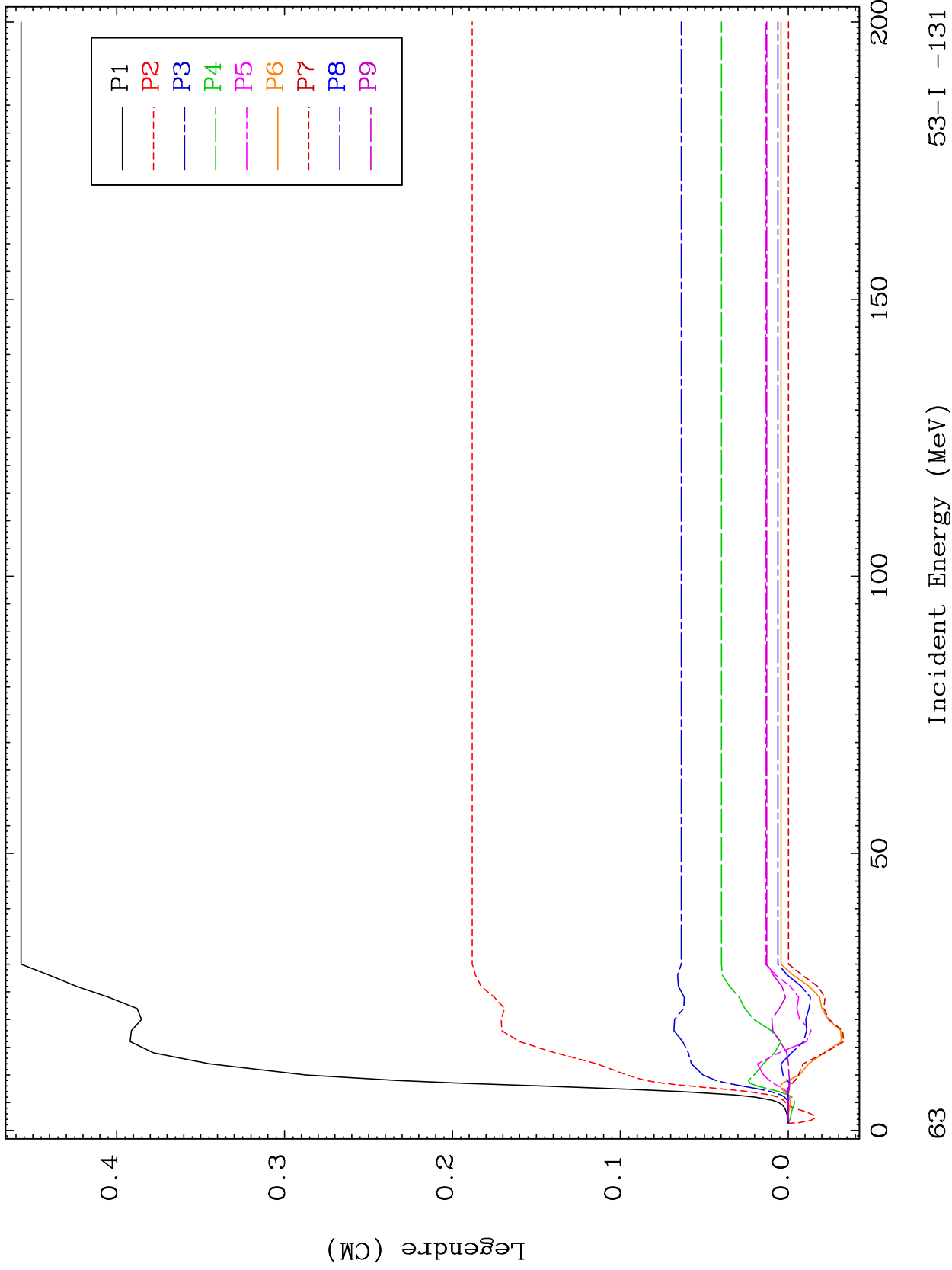
MAT 5337

1.149 MeV (n,n') Level  
Legendre Coefficients

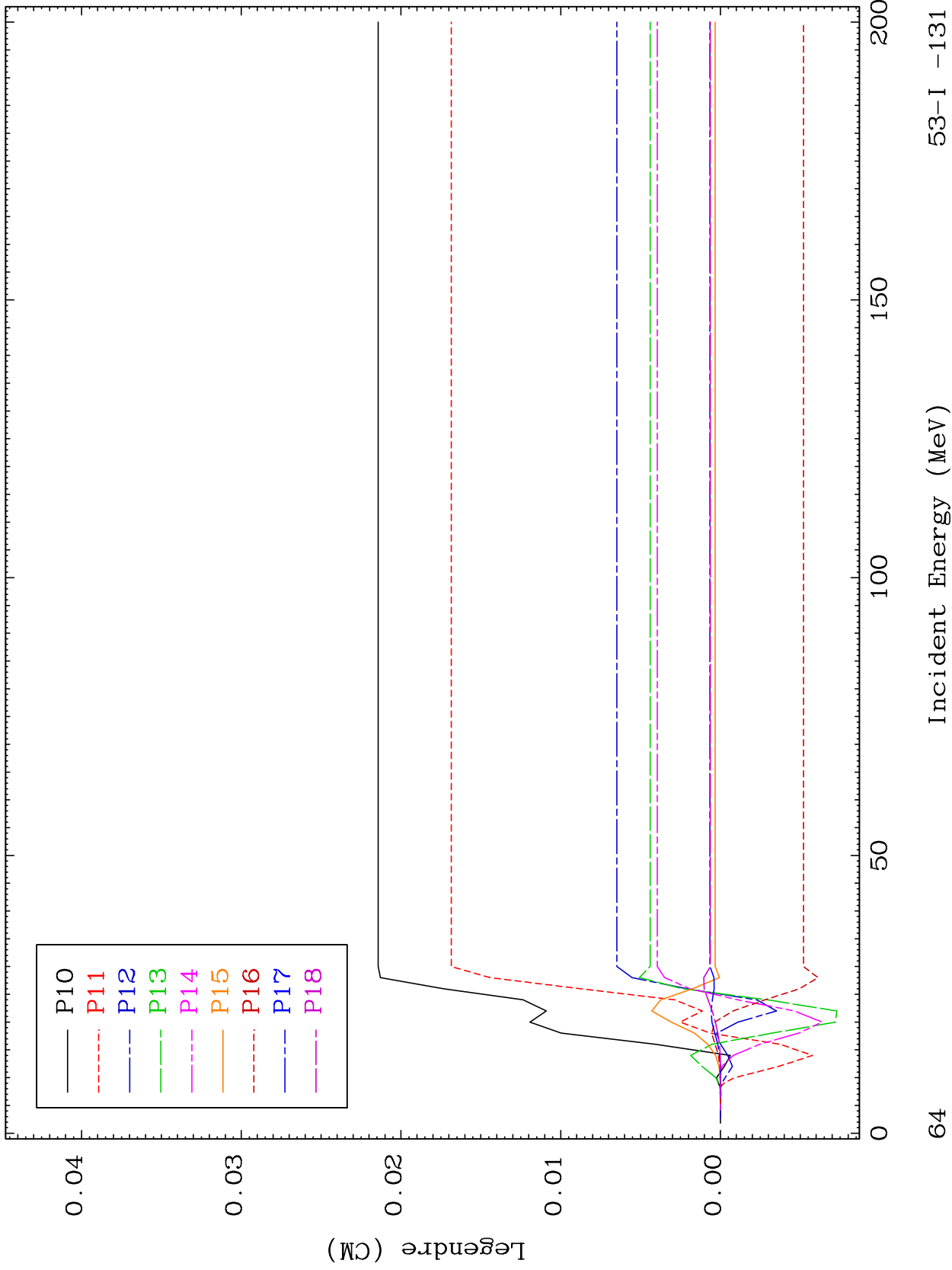
53-I -131

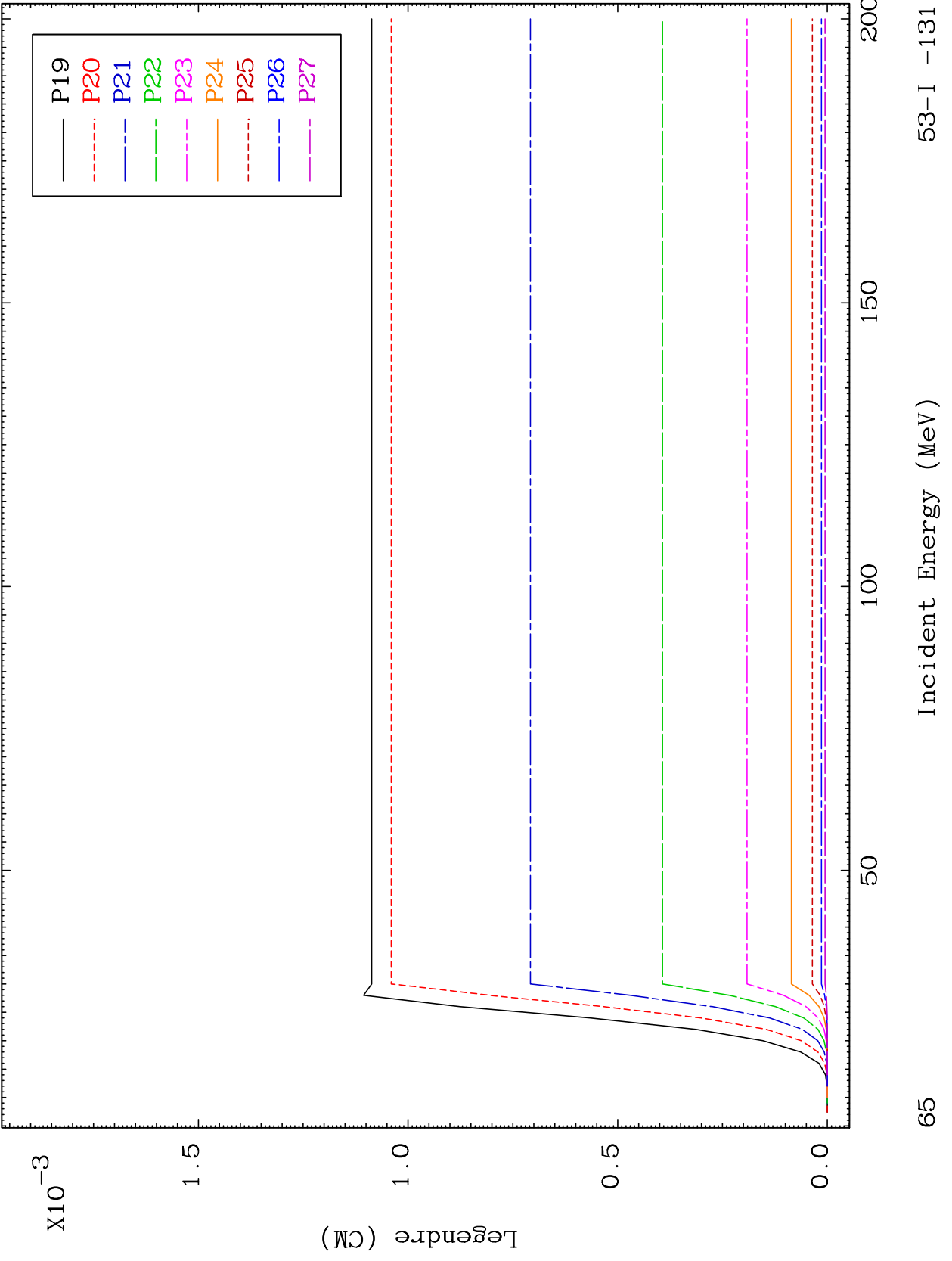


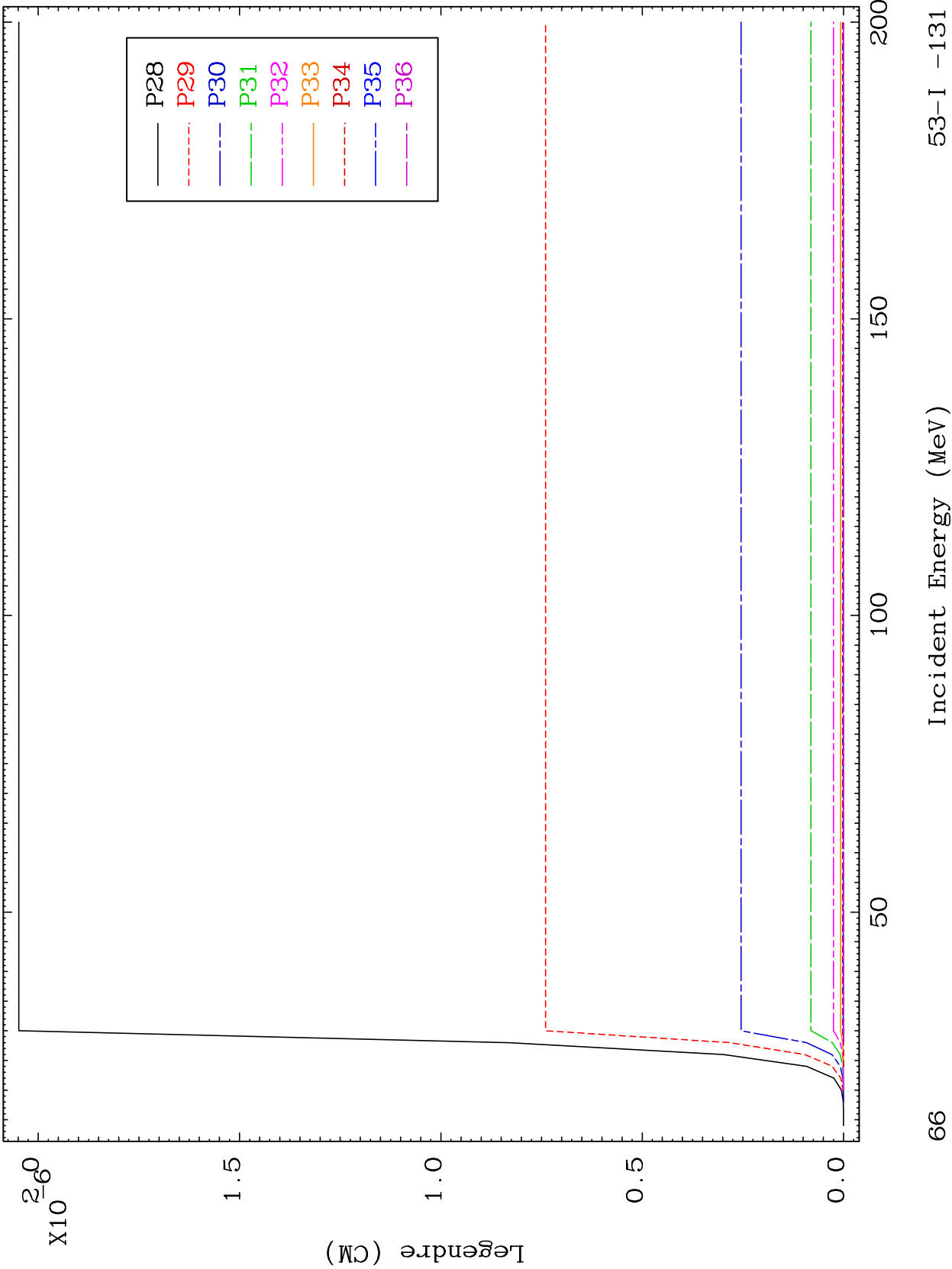


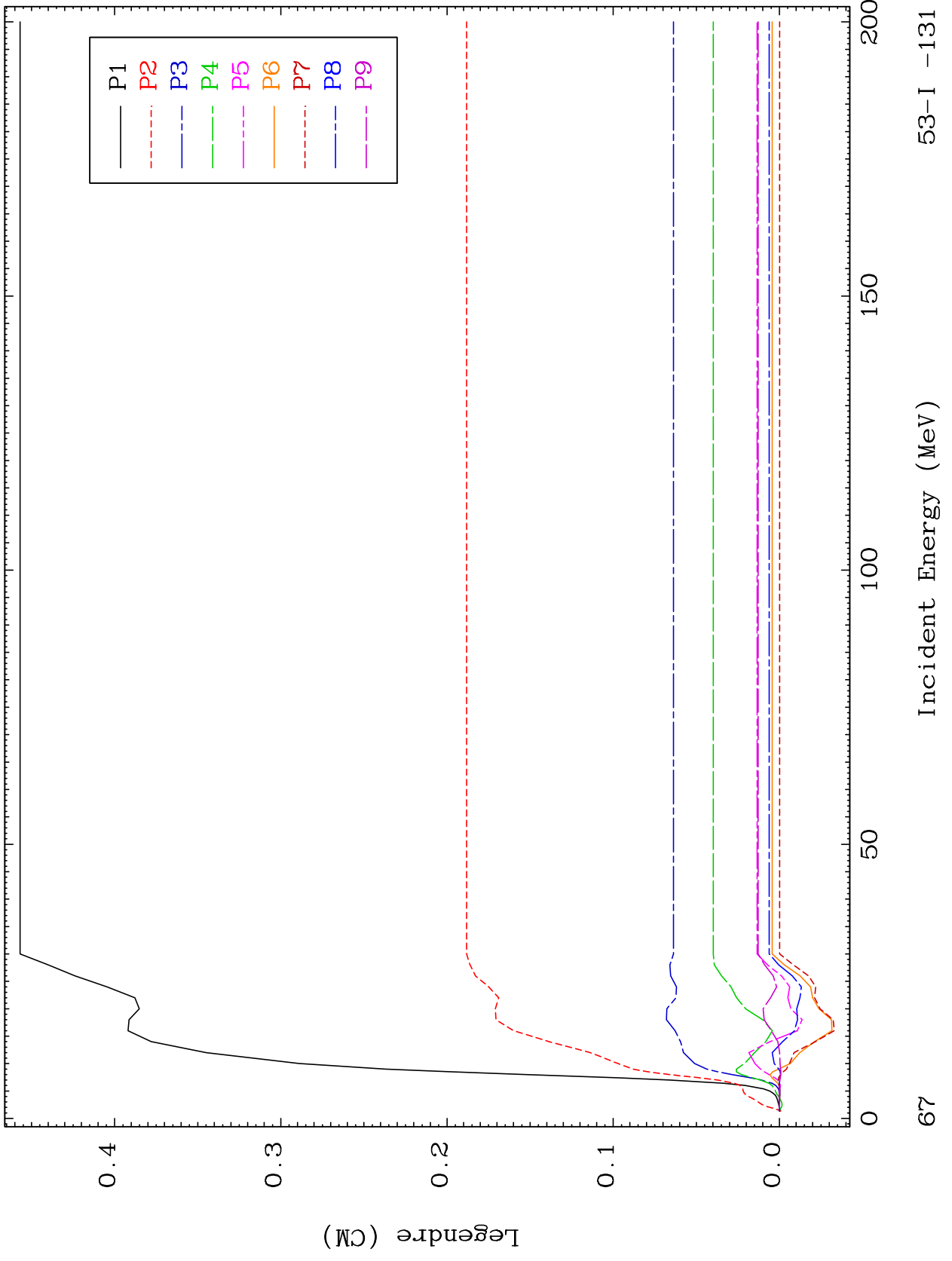


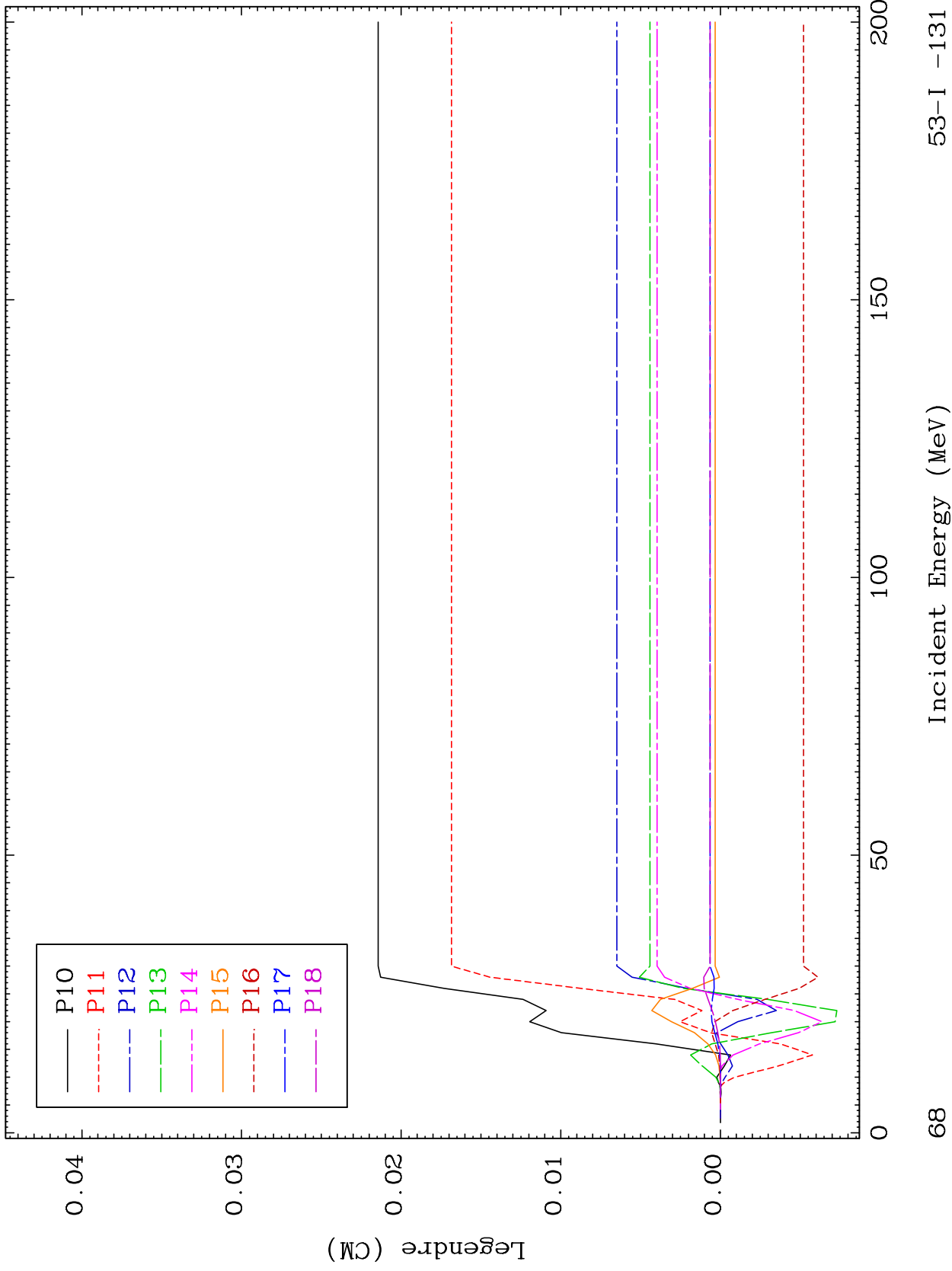


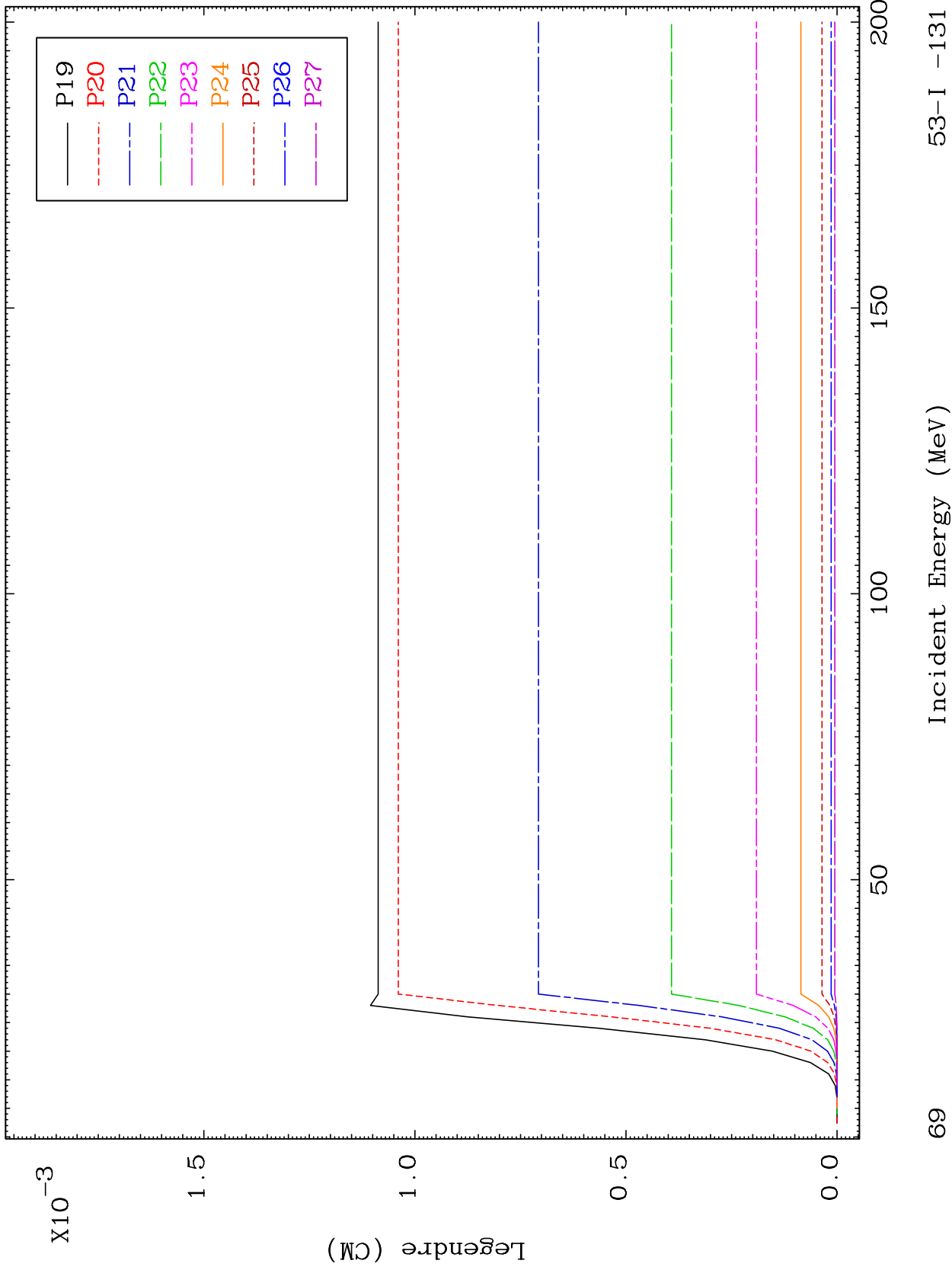








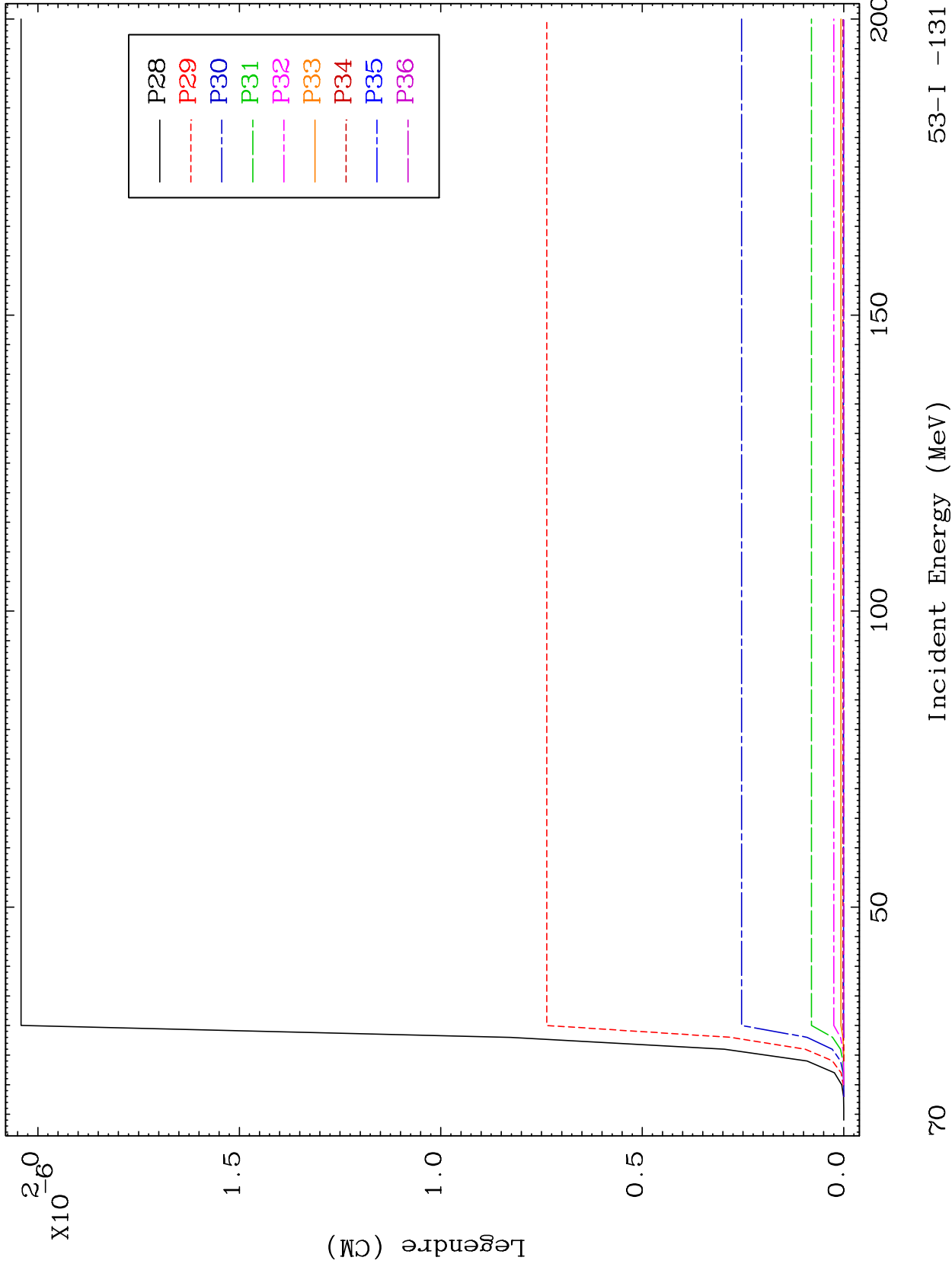


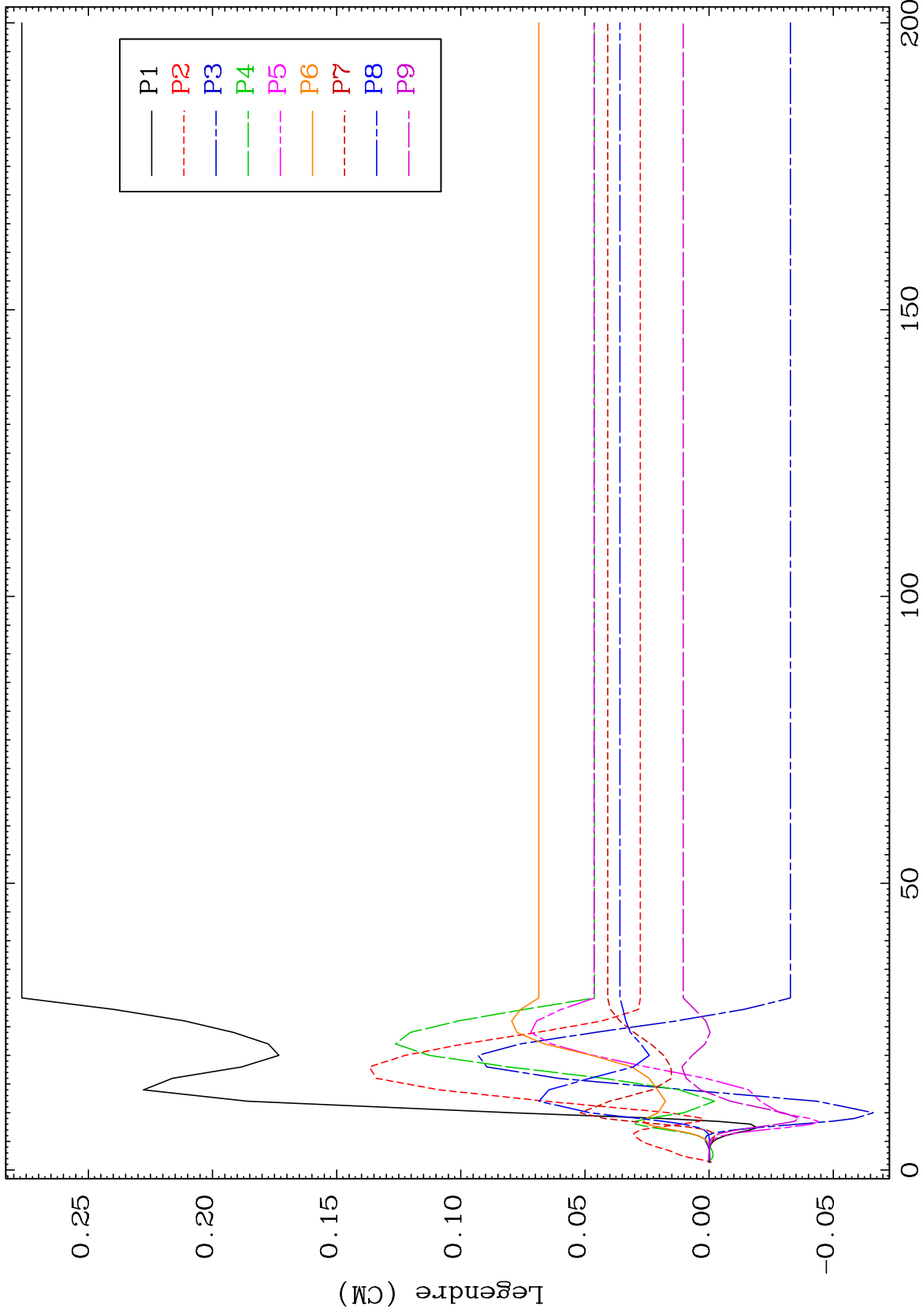


MAT 5337

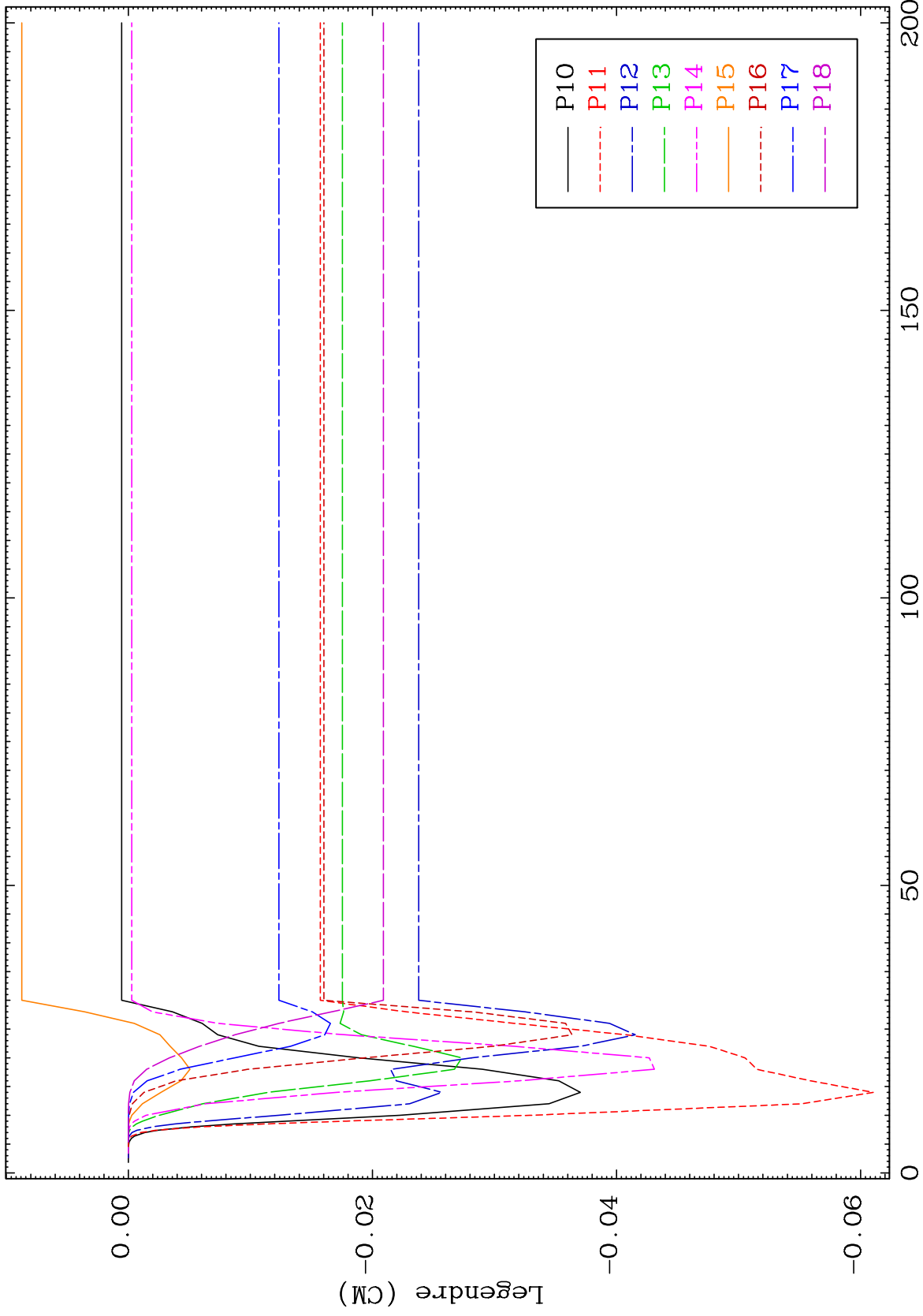
1.298 MeV (n,n') Level  
Legendre Coefficients

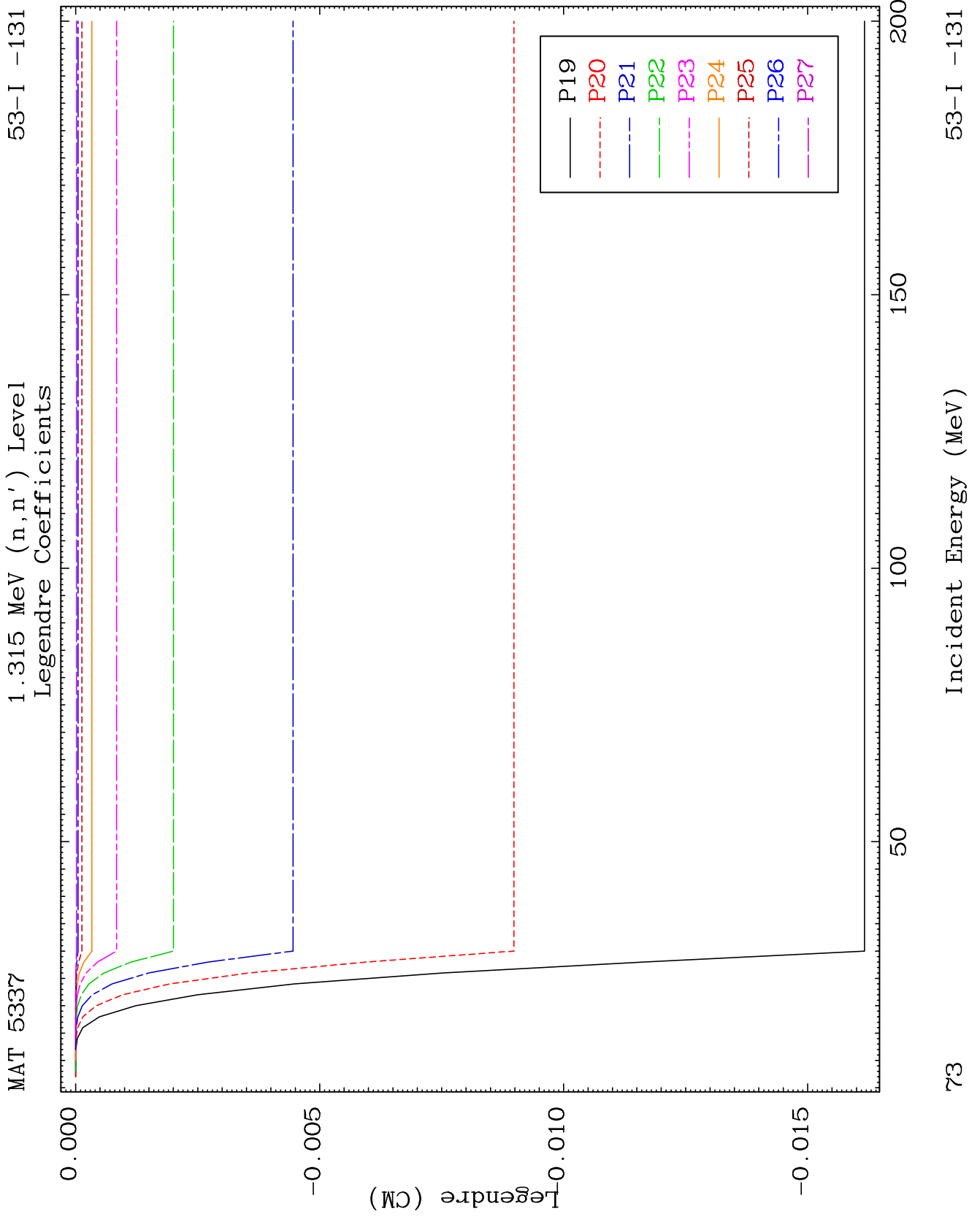
53-I -131

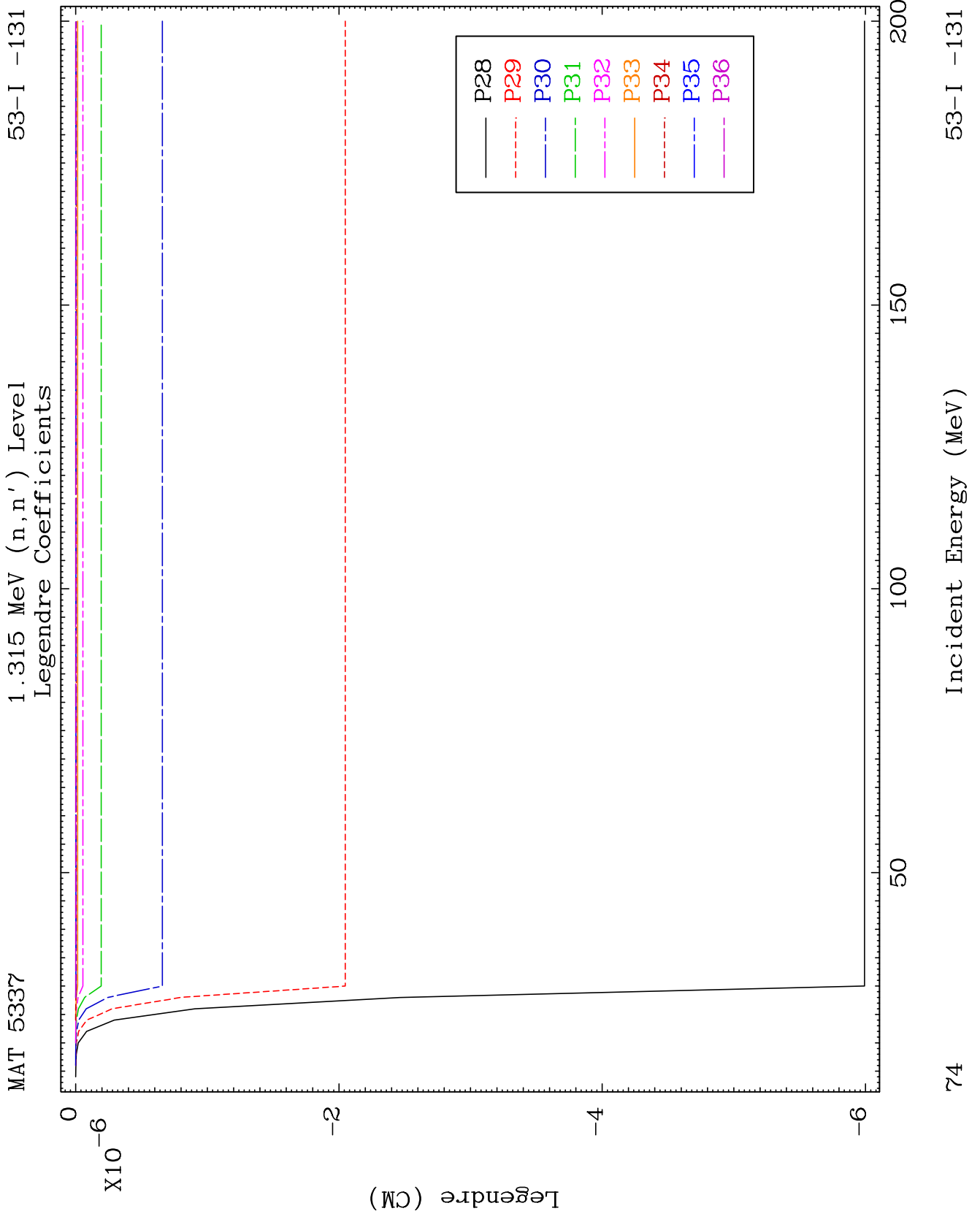


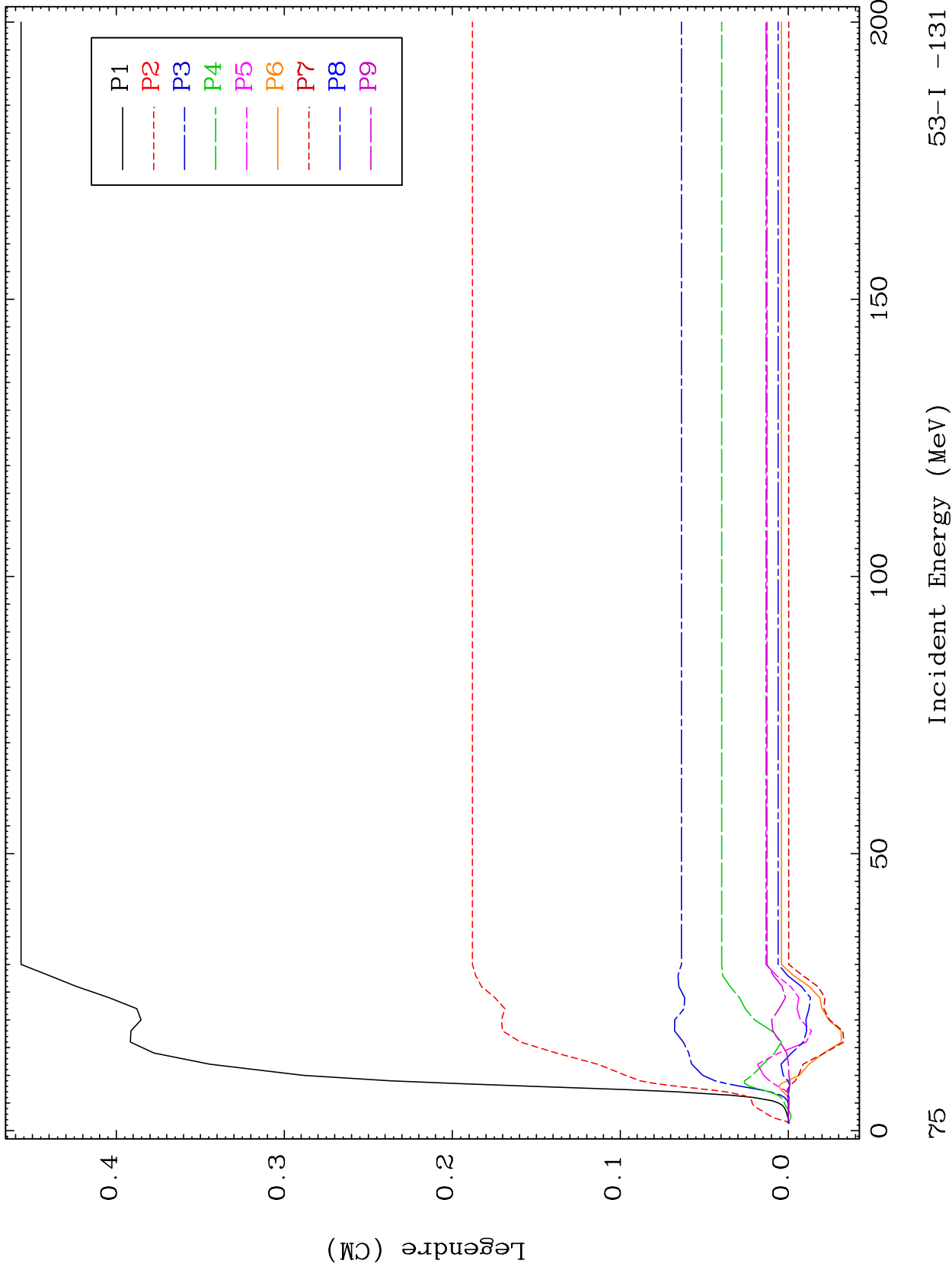


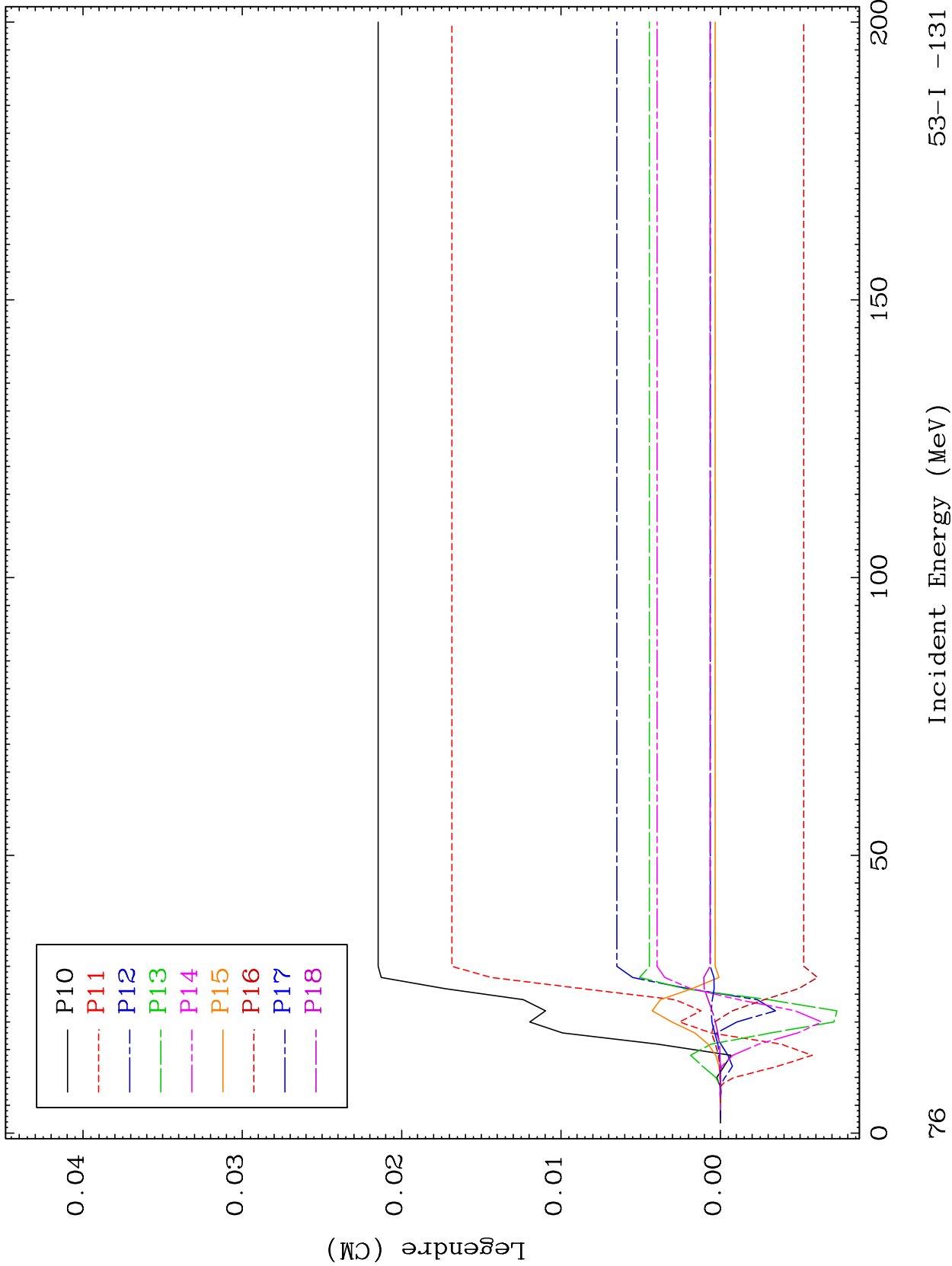


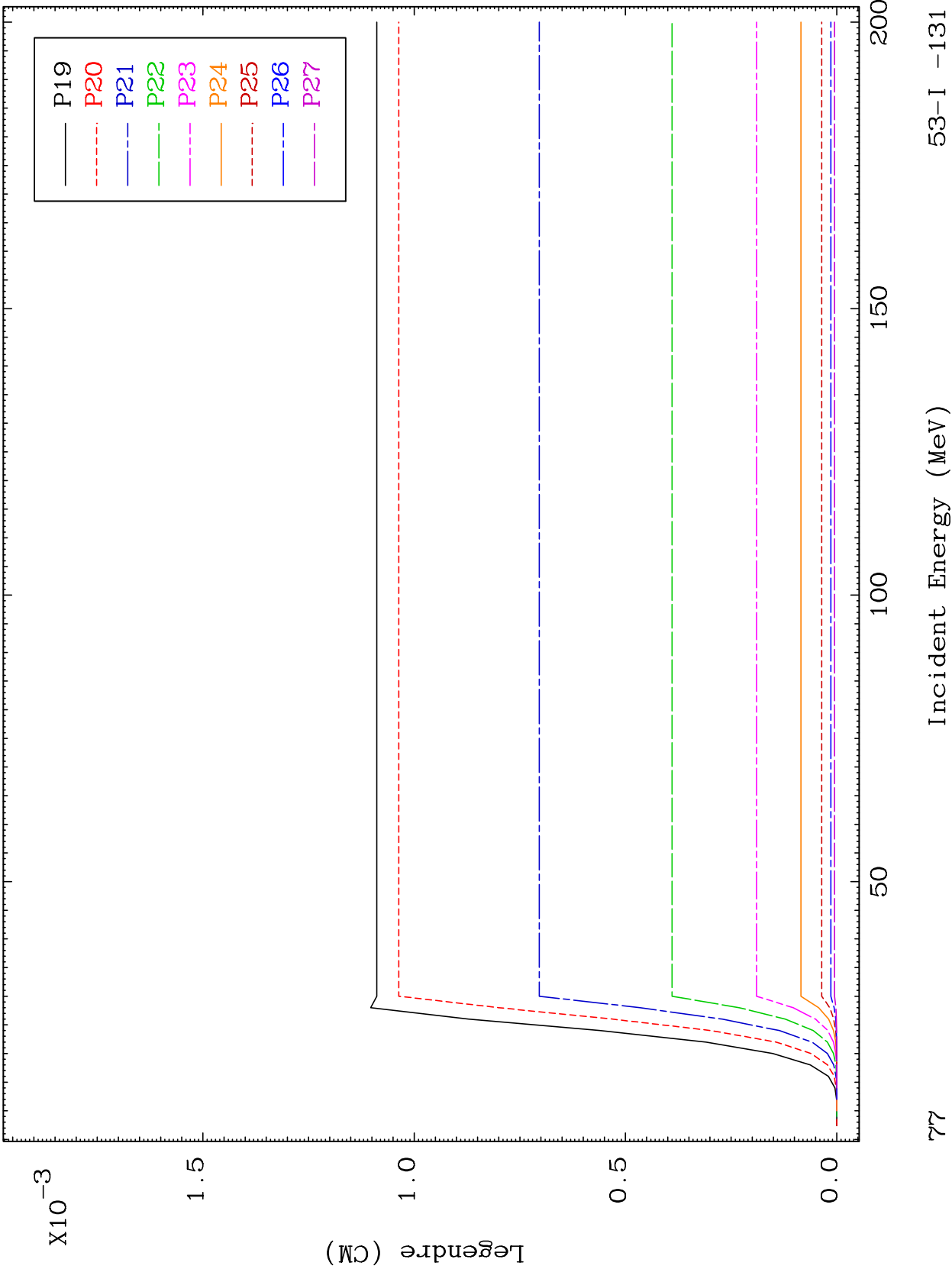








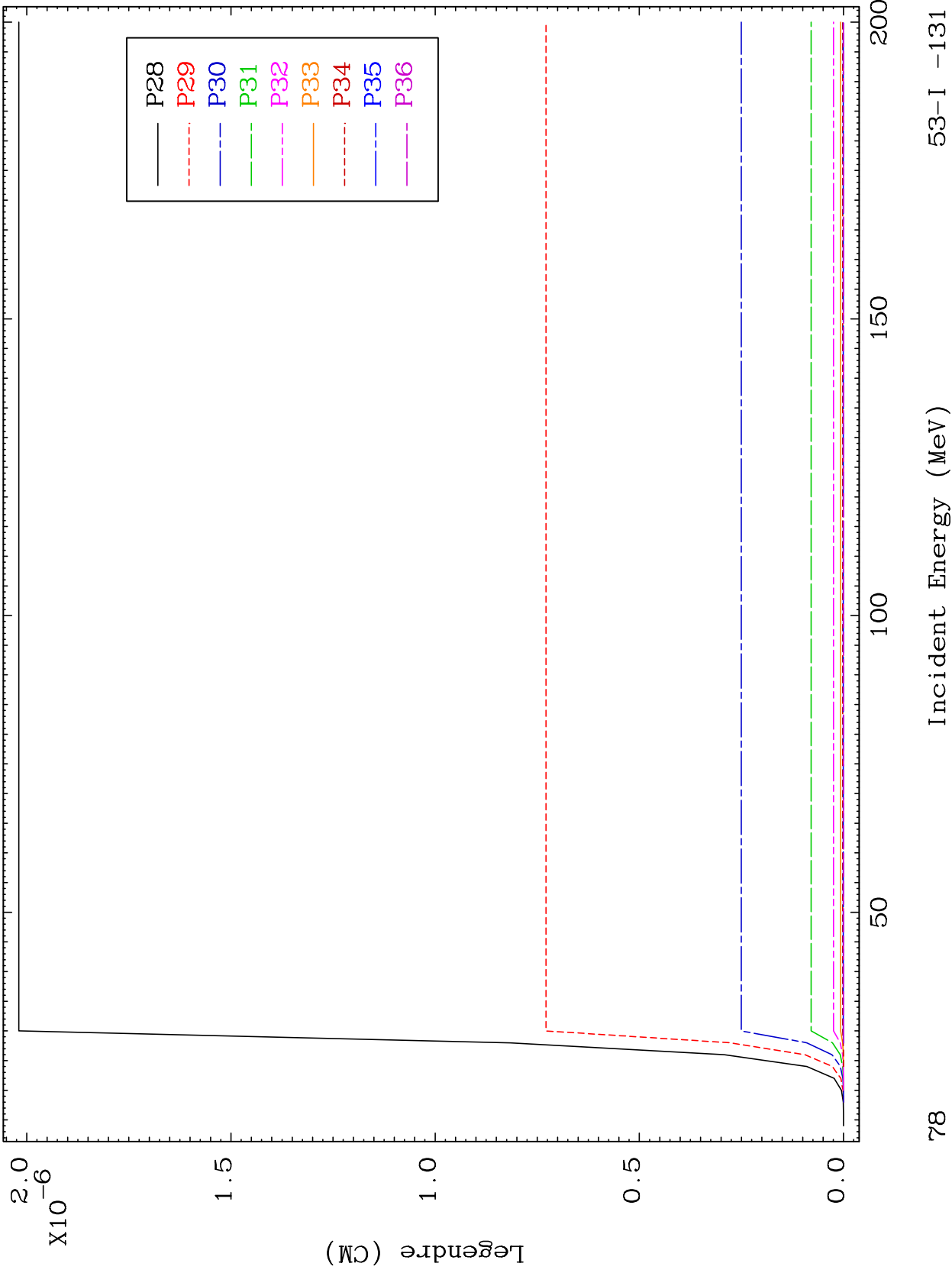




MAT 5337

1.346 MeV (n,n') Level  
Legendre Coefficients

53-I -131



78

Incident Energy (MeV)

53-I -131

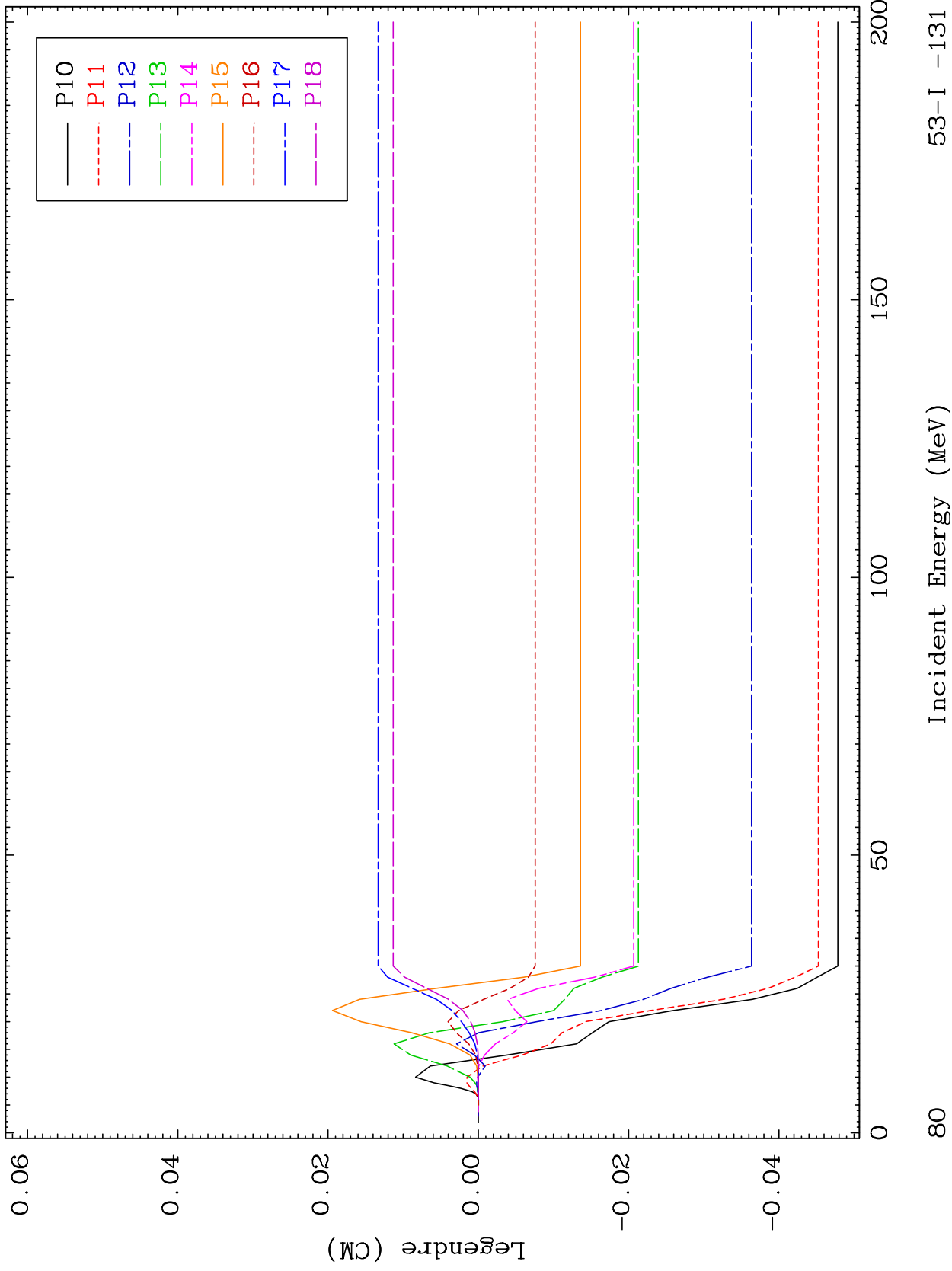




MAT 5337

1.377 MeV (n,n') Level  
Legendre Coefficients

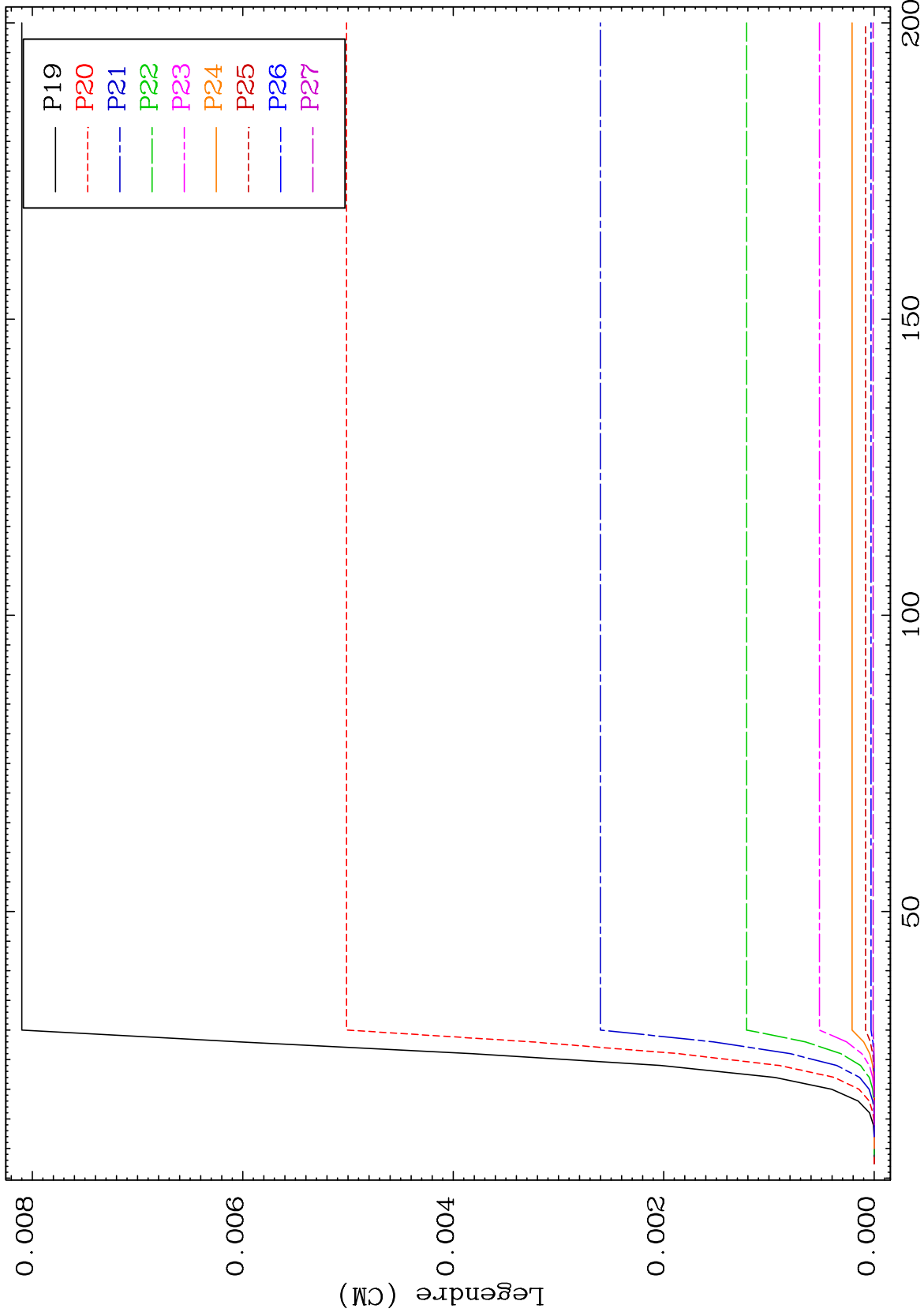
53-I -131

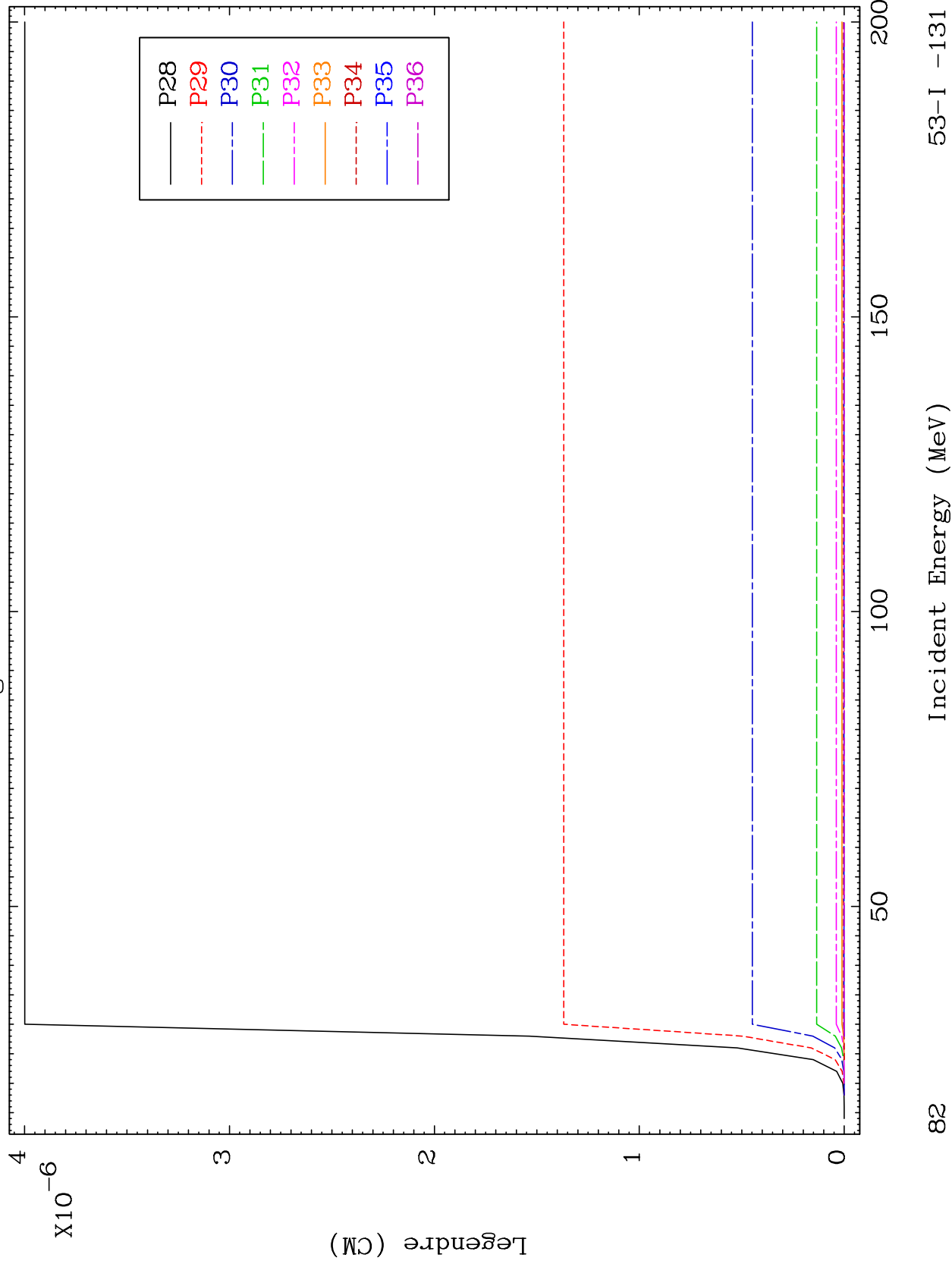


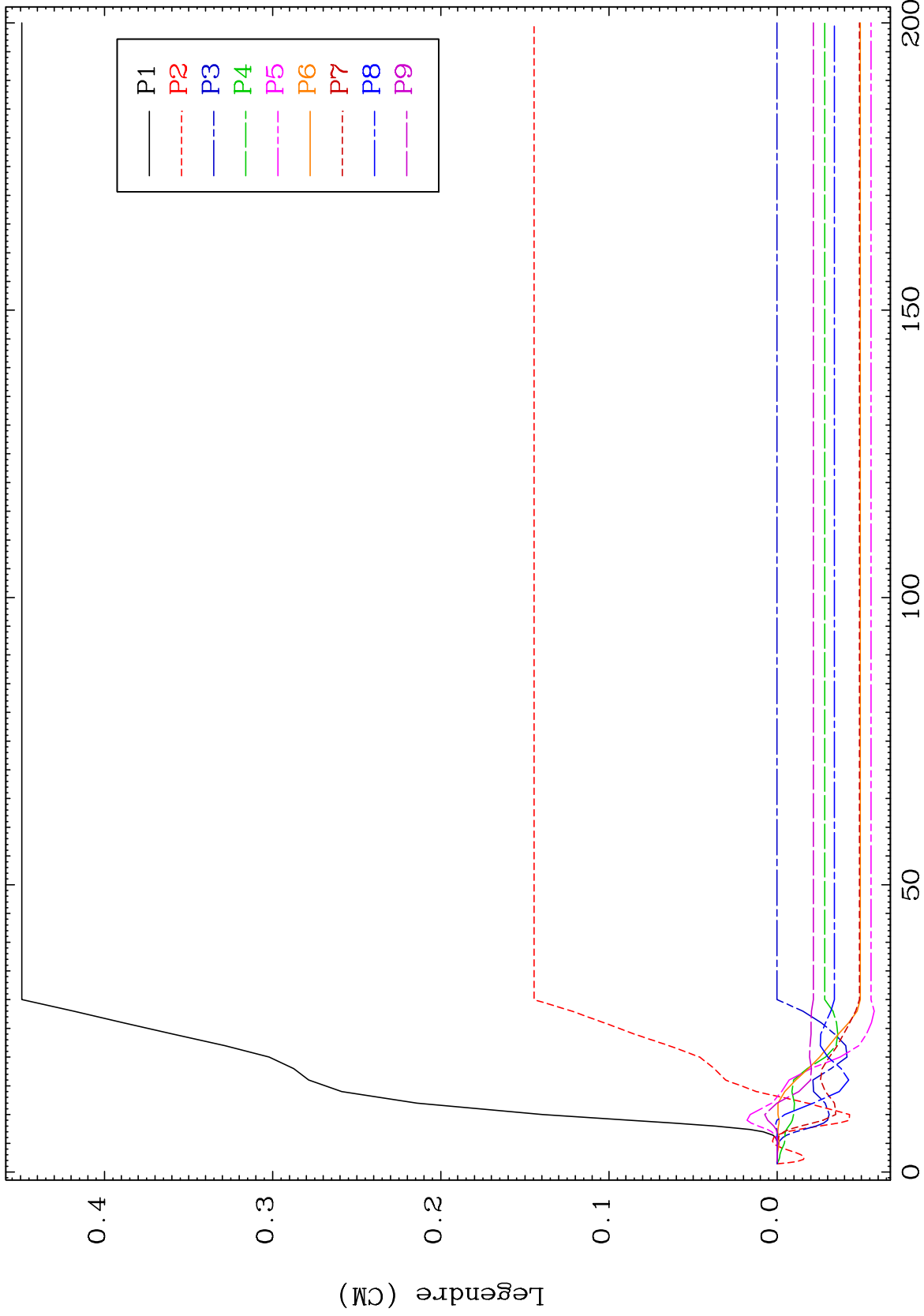
53-I -131

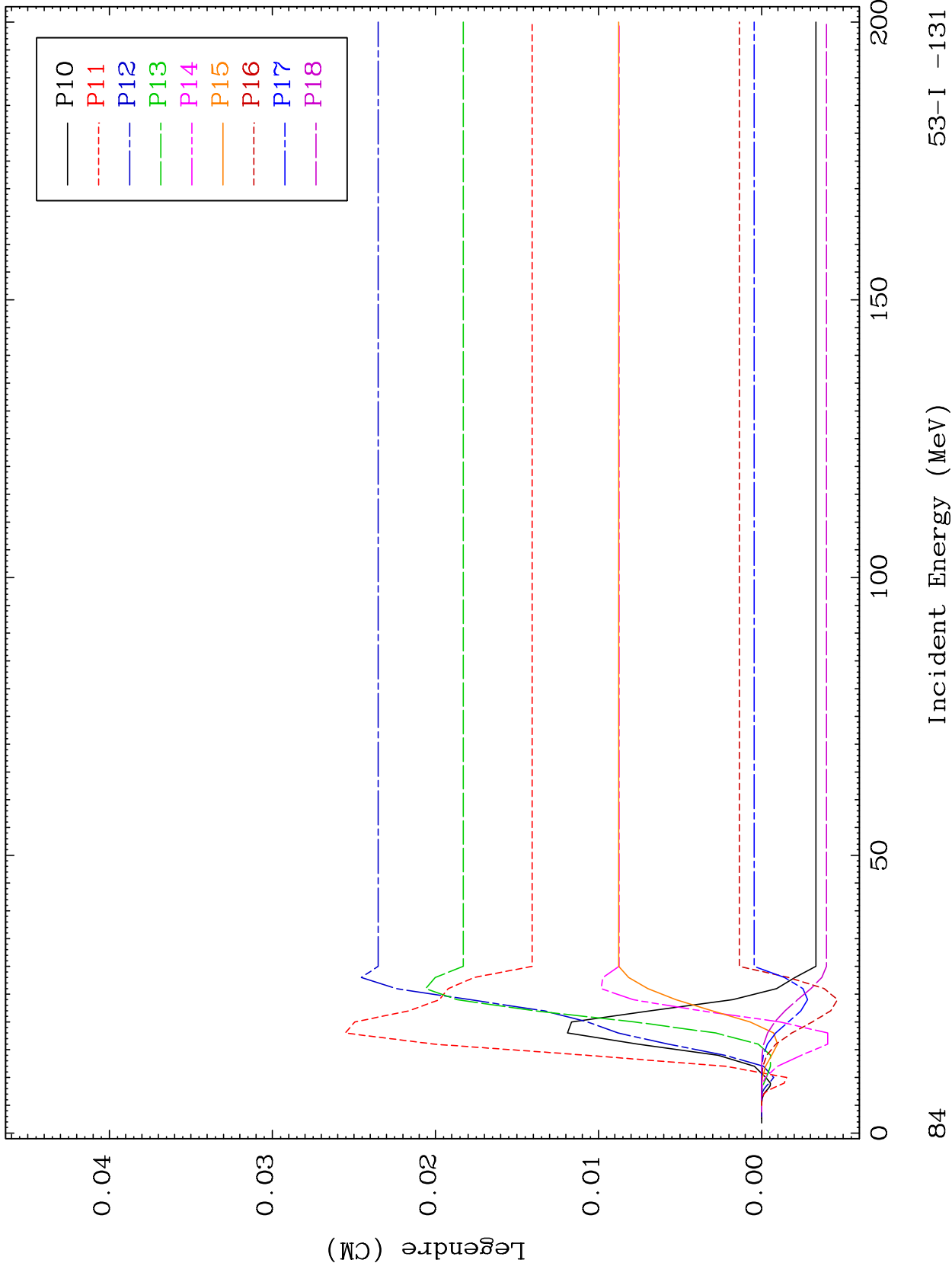
Incident Energy (MeV)

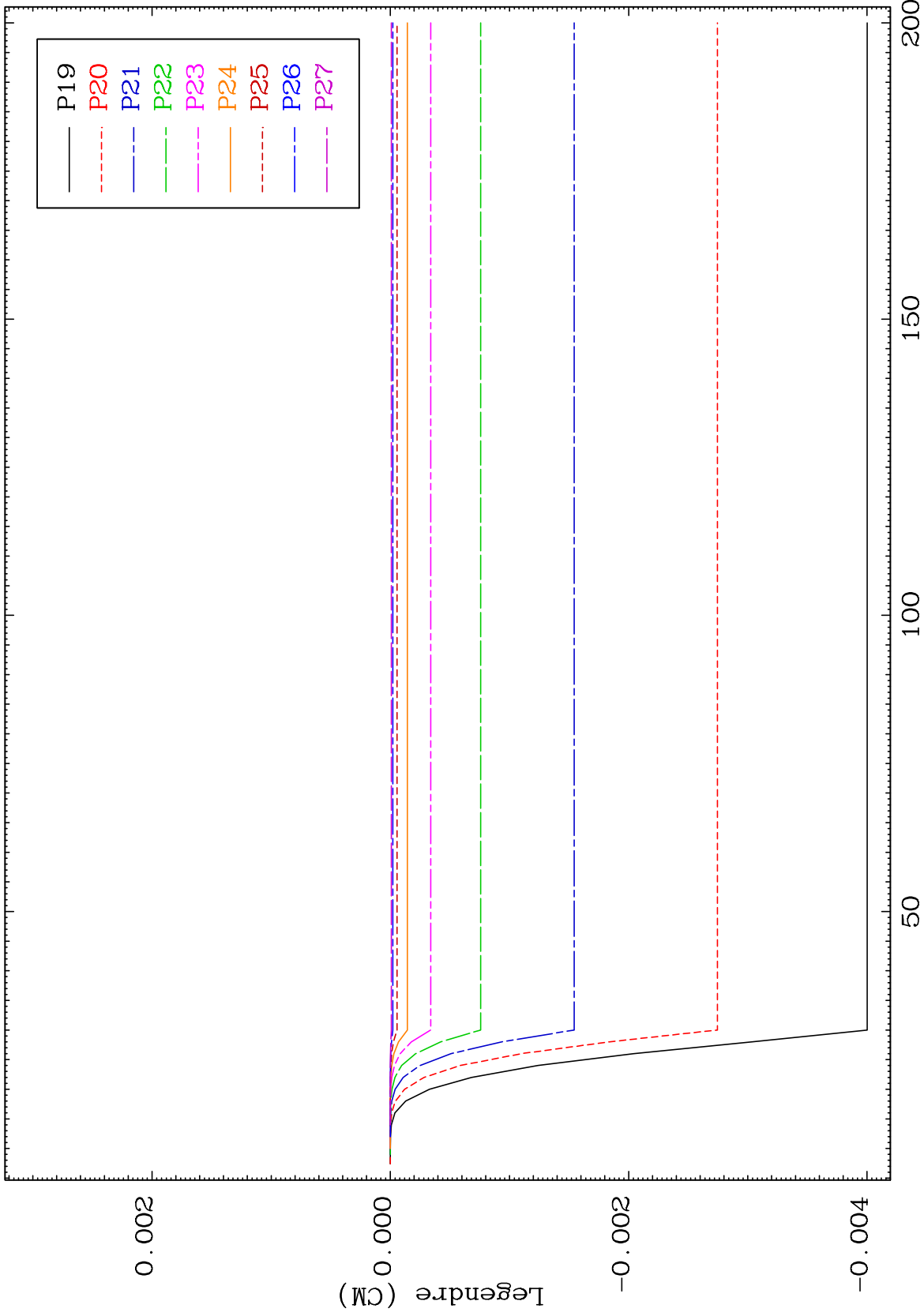
80

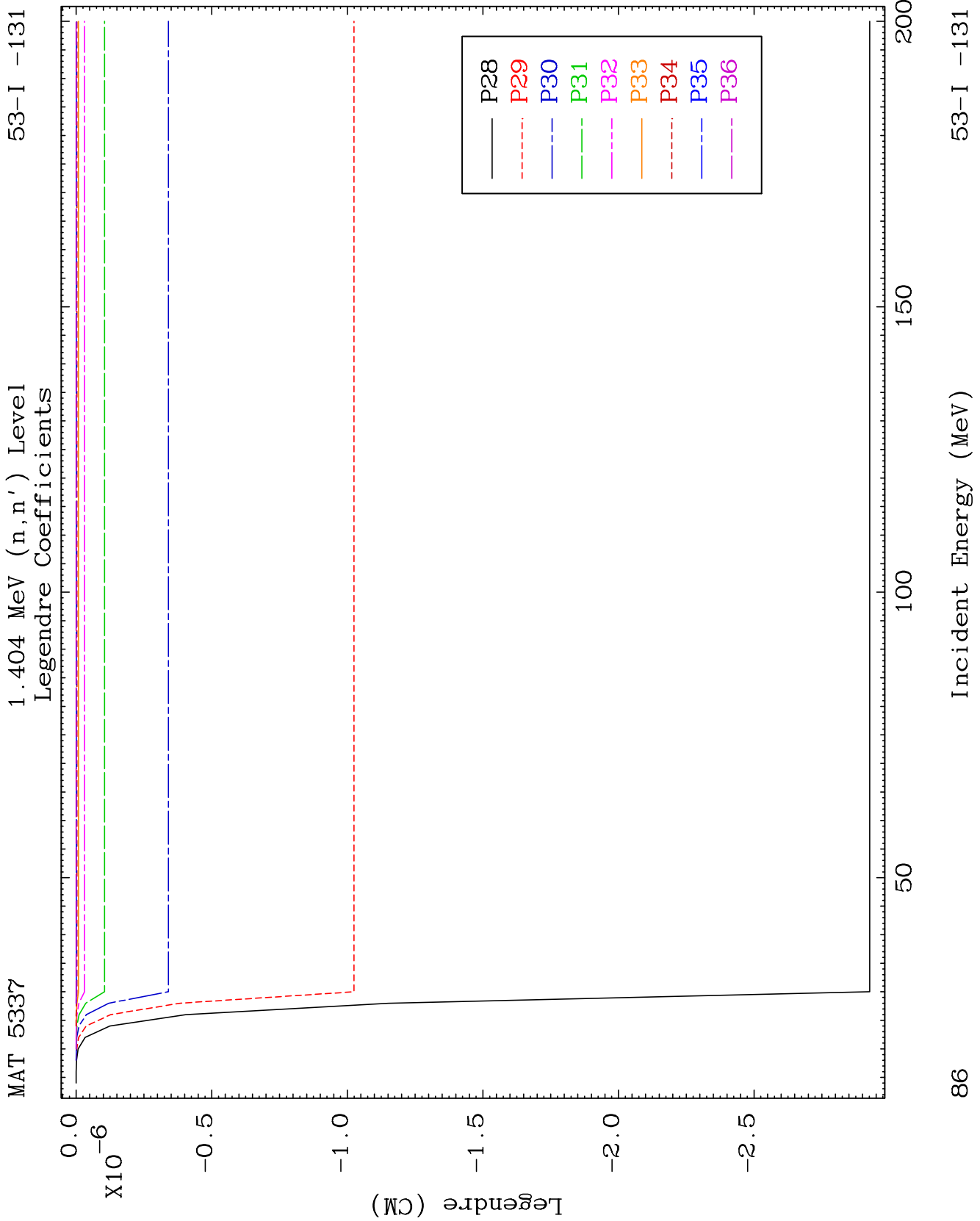








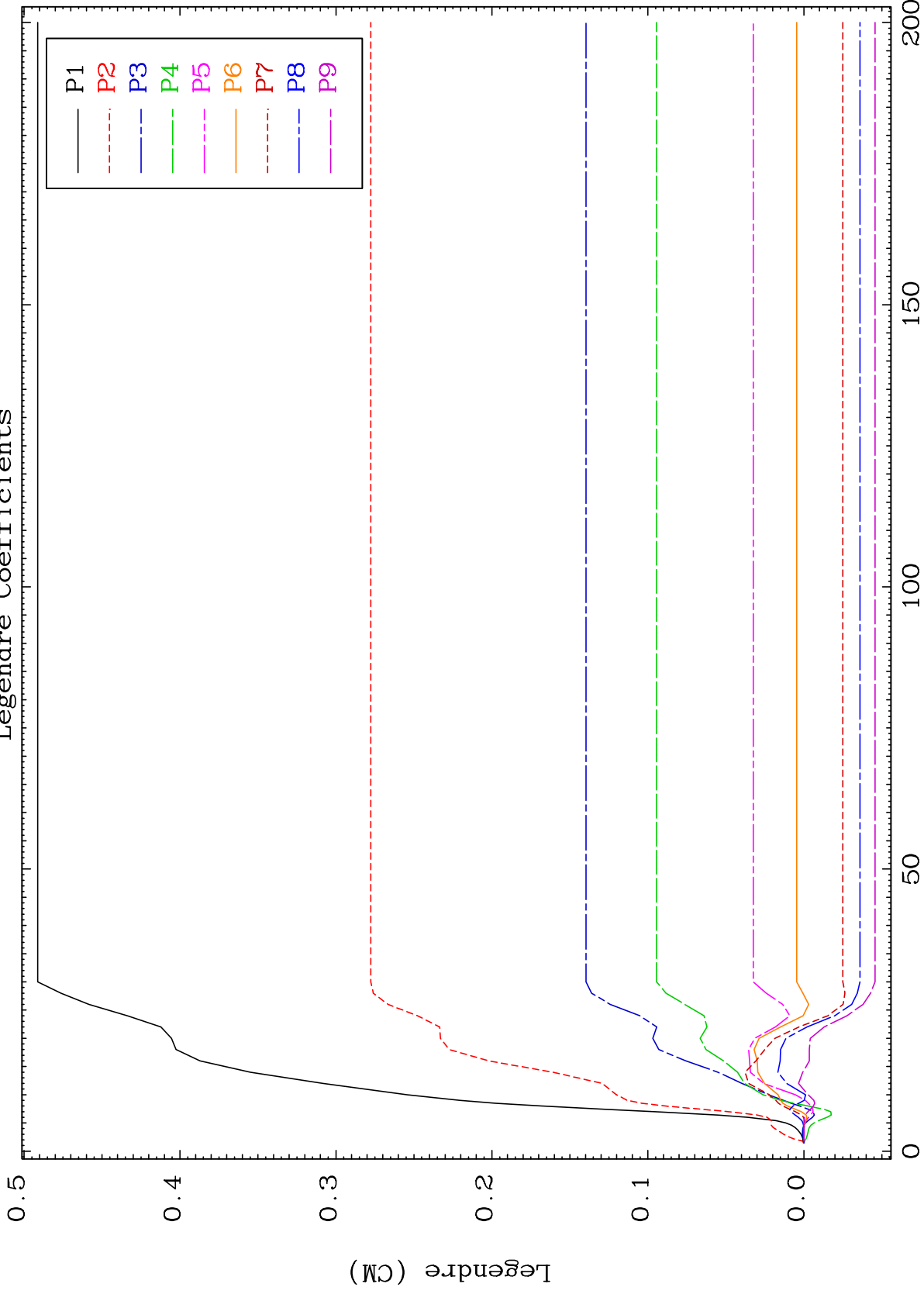




MAT 5337

1.427 MeV (n,n') Level  
Legendre Coefficients

53-I -131

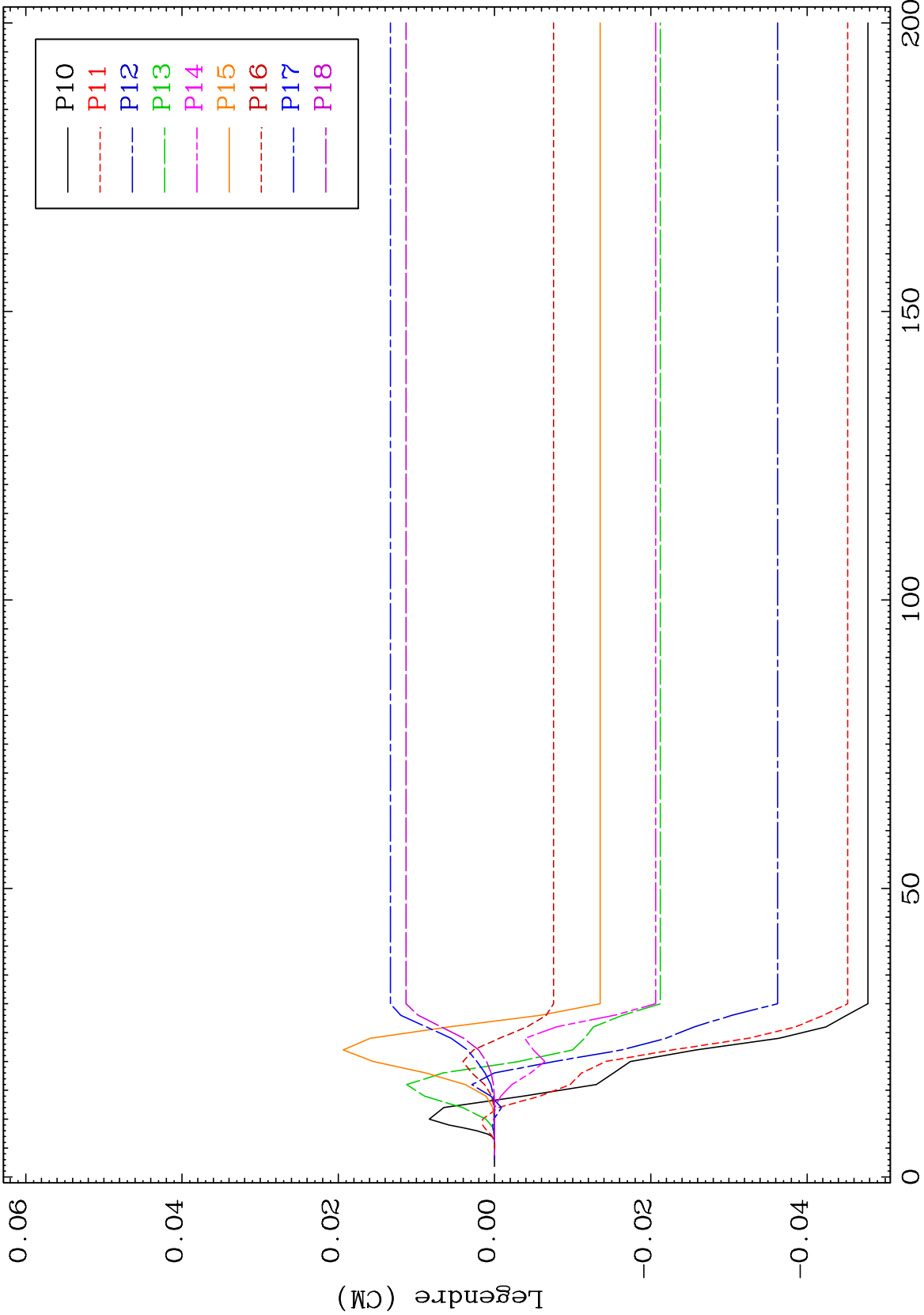


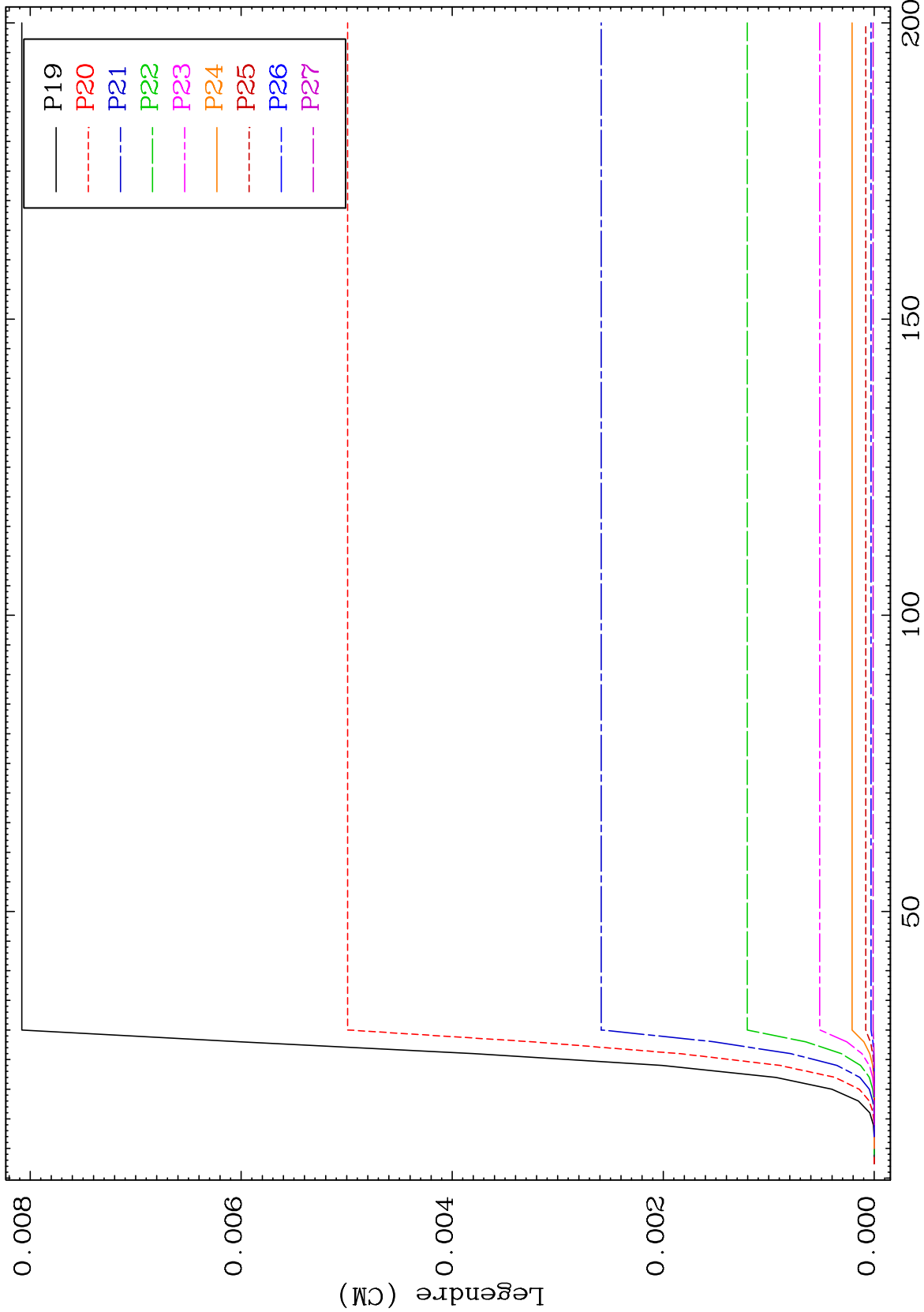
87

Incident Energy (MeV)

53-I -131



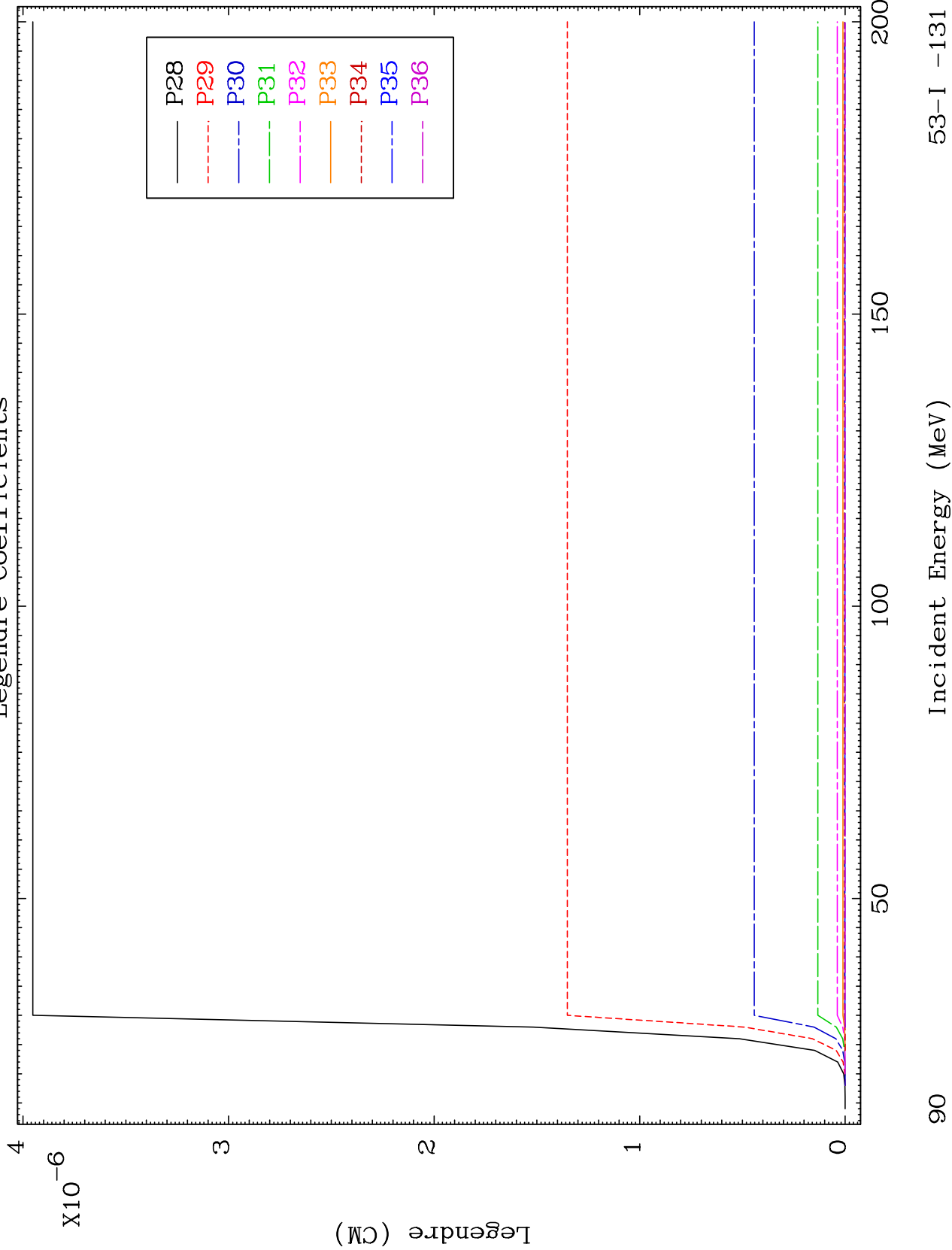


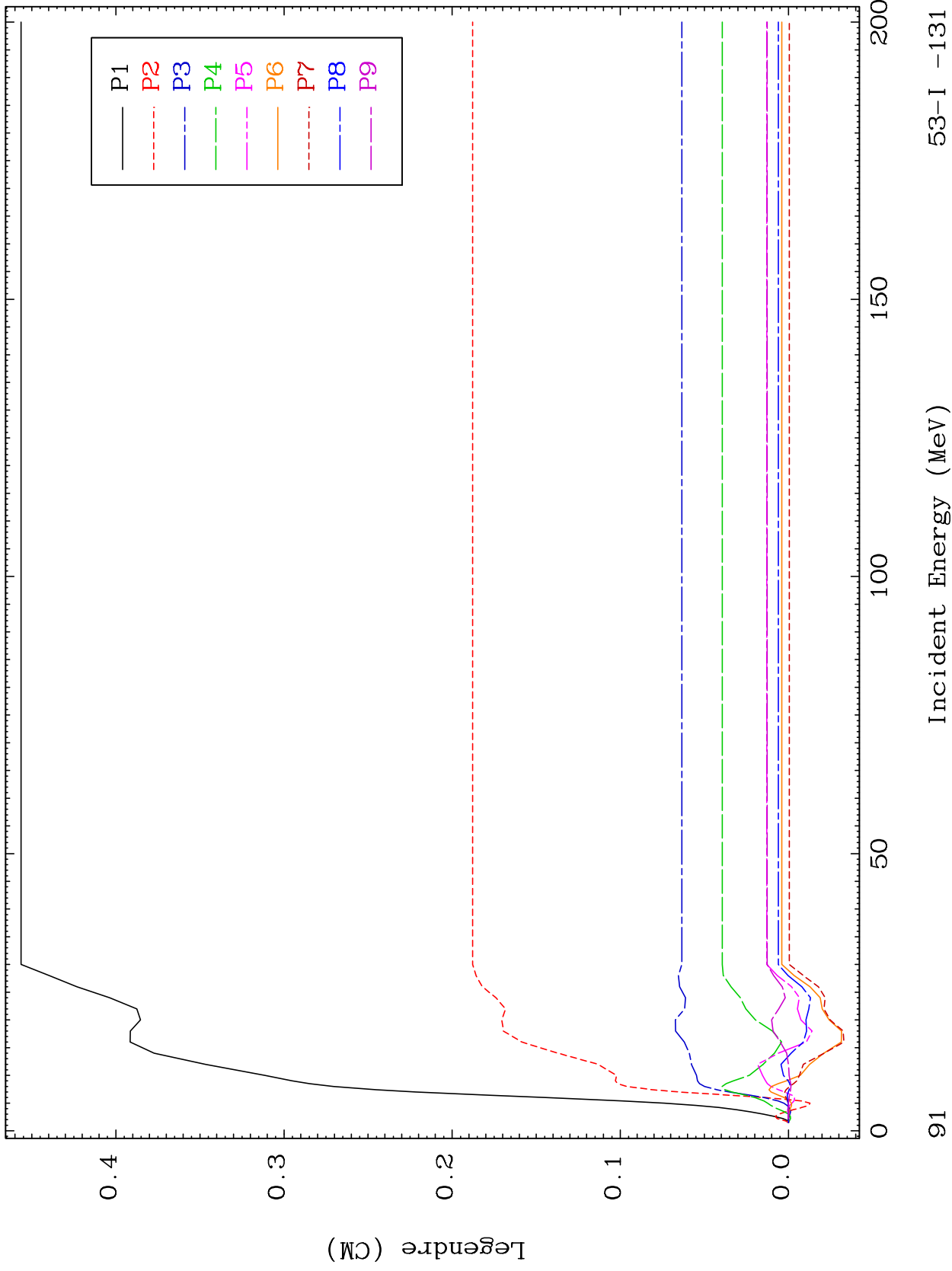


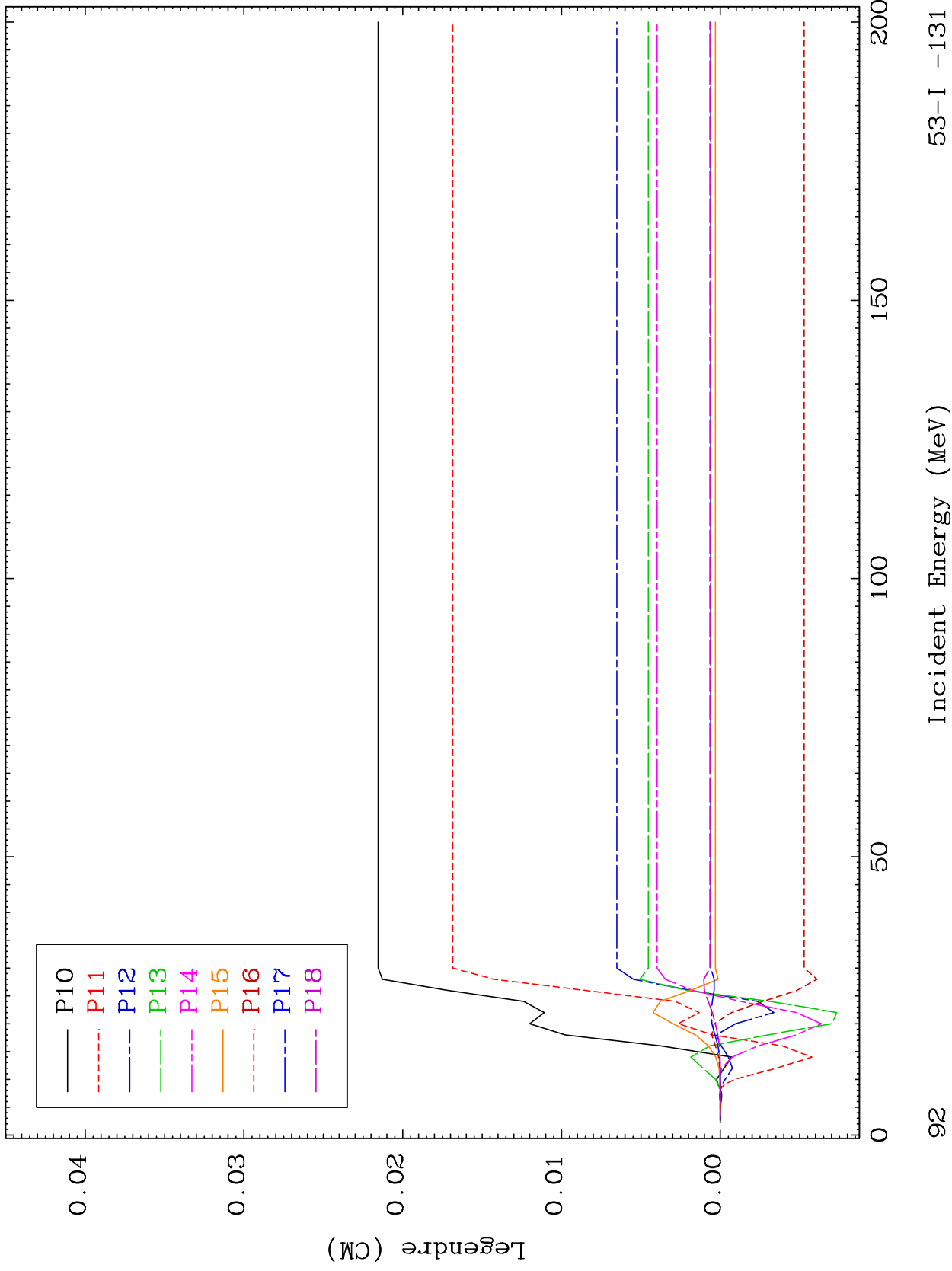
MAT 5337

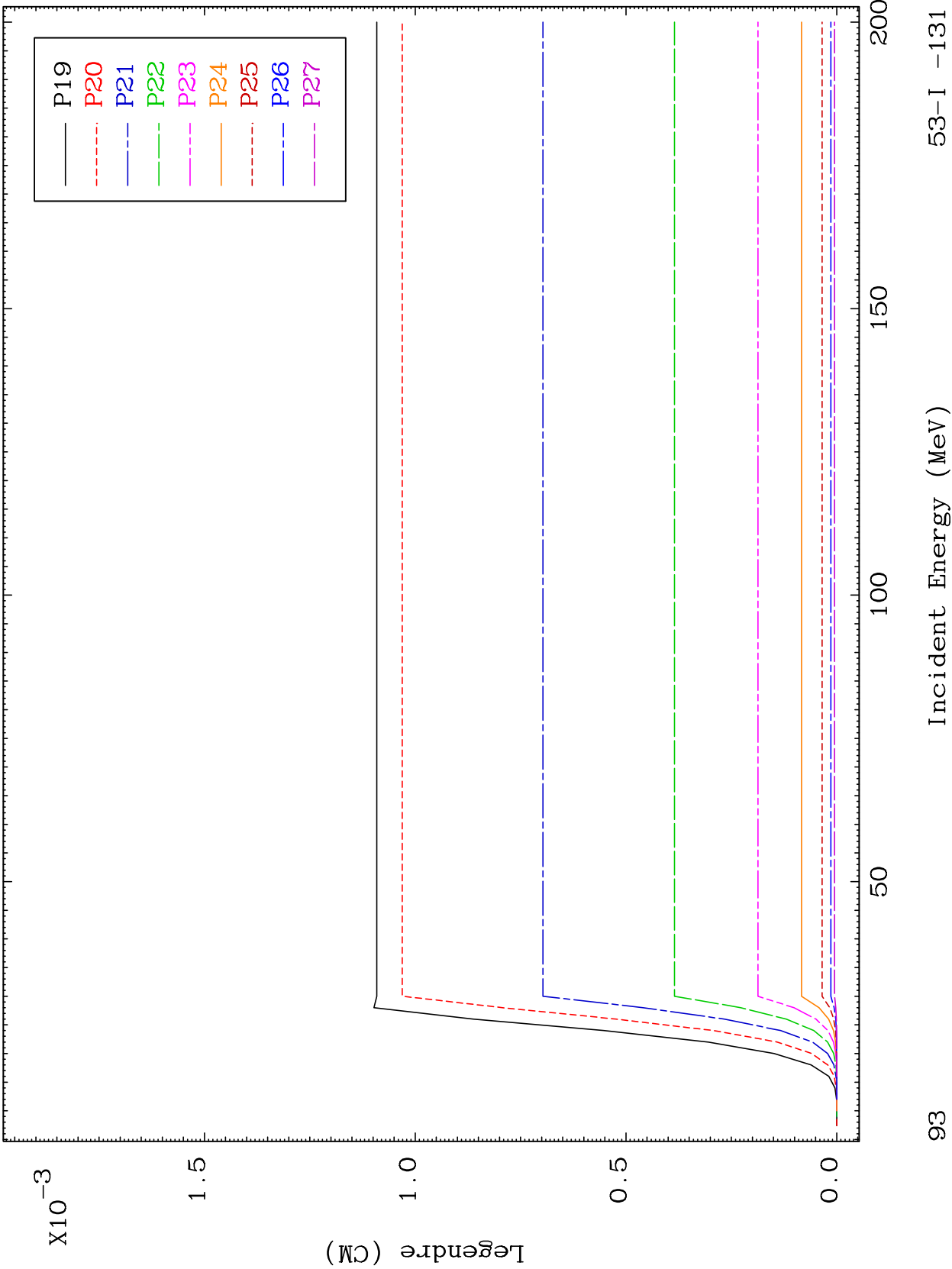
1.427 MeV (n,n') Level  
Legendre Coefficients

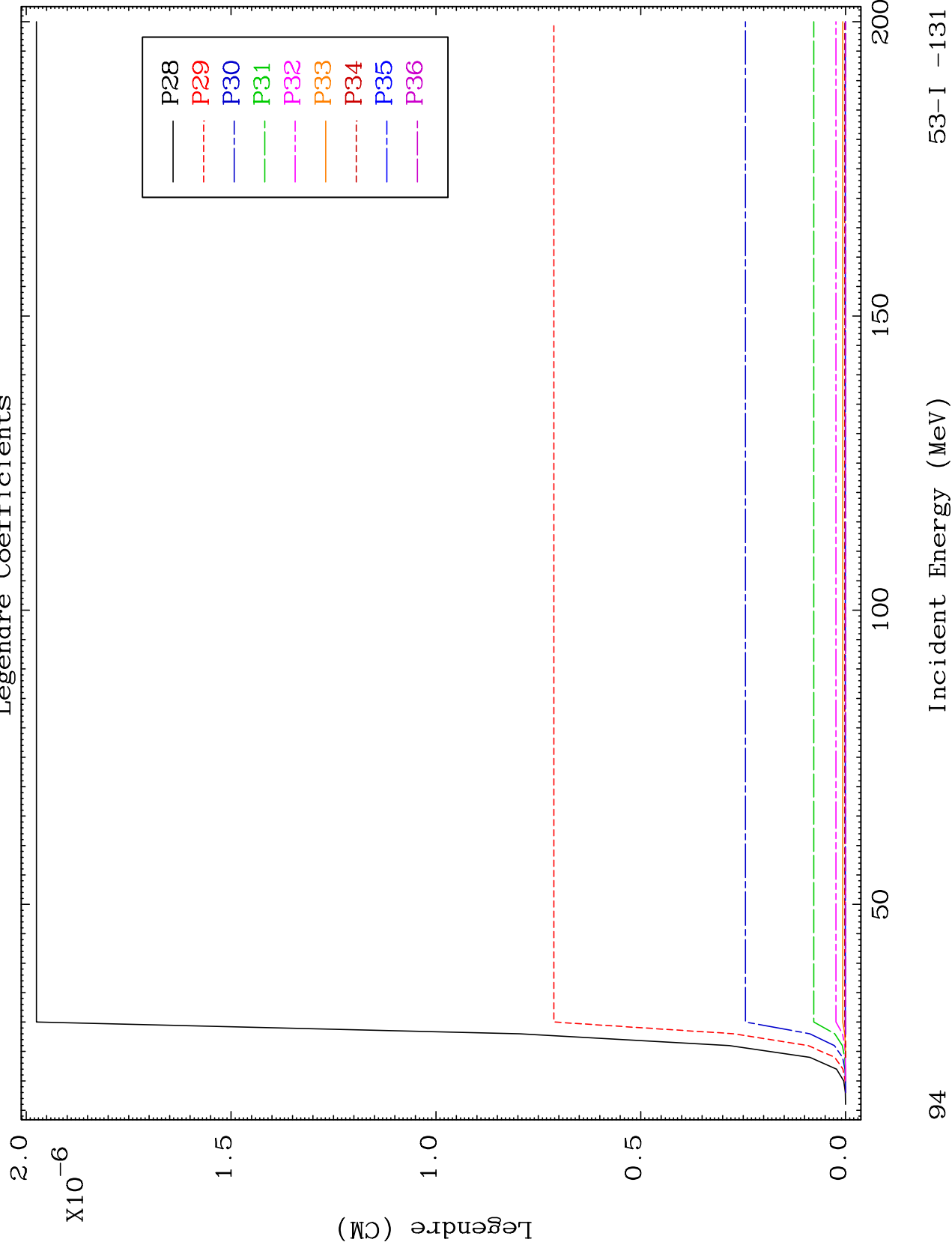
53-I -131







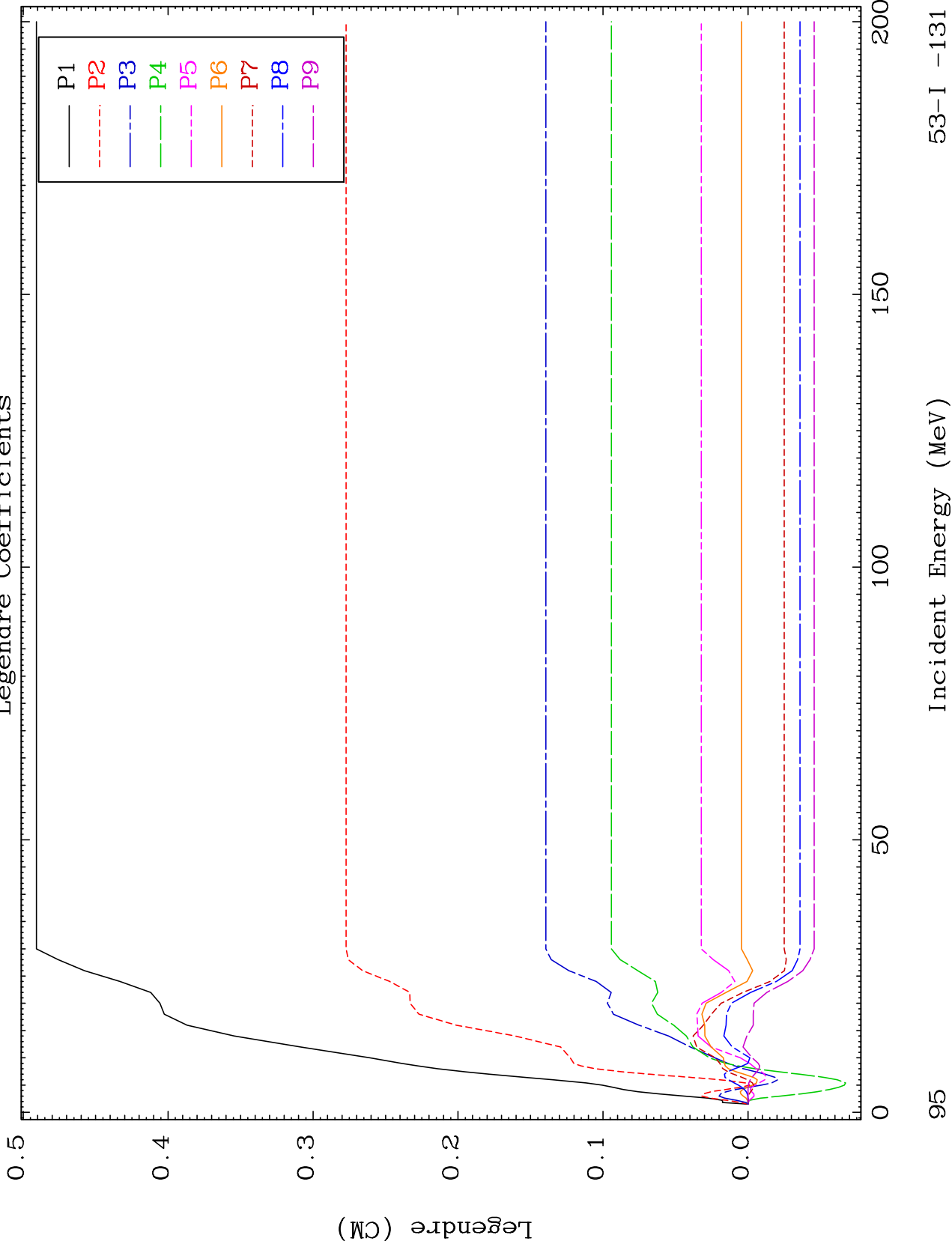




MAT 5337

1.494 MeV (n,n') Level  
Legendre Coefficients

53-I -131

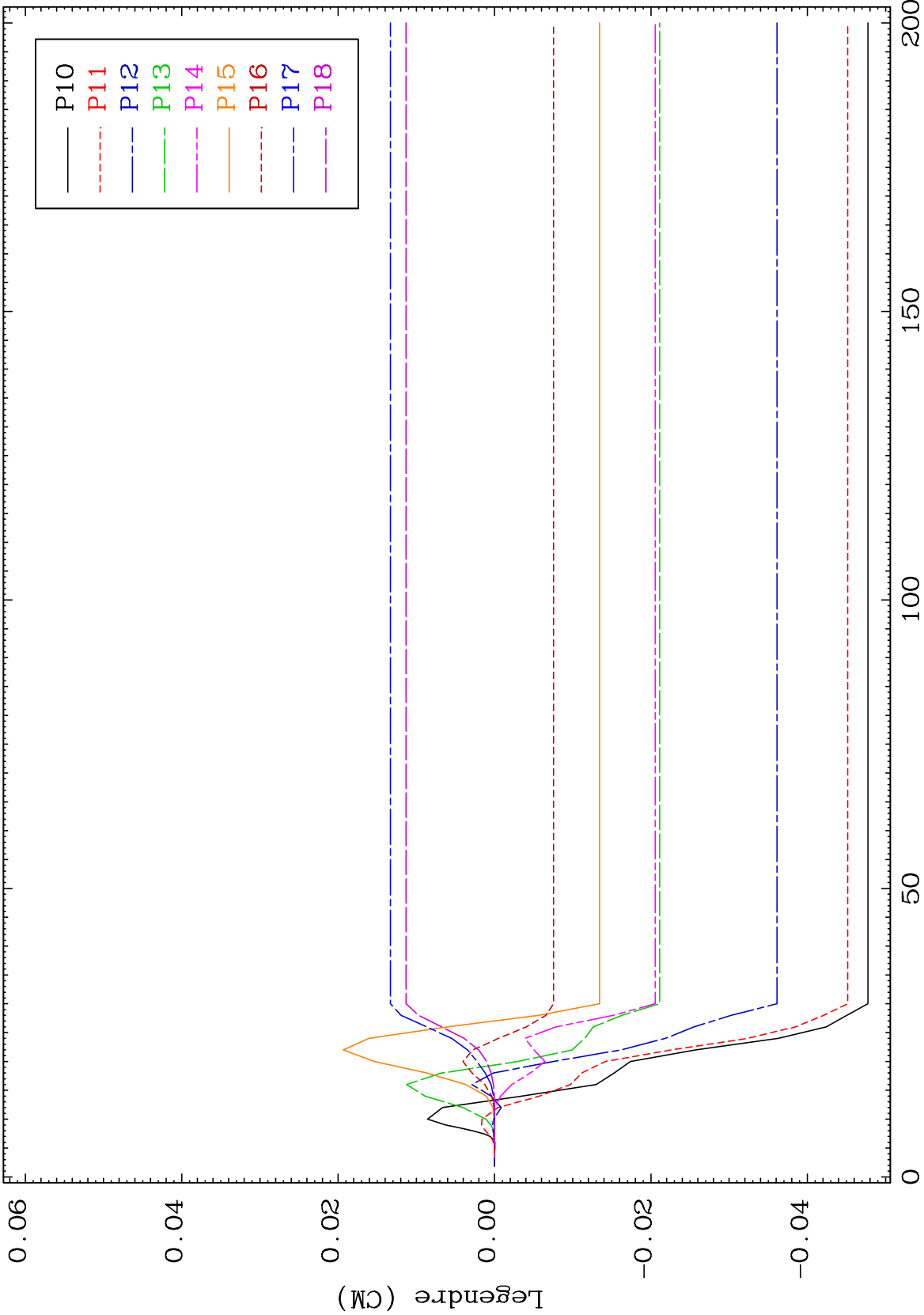


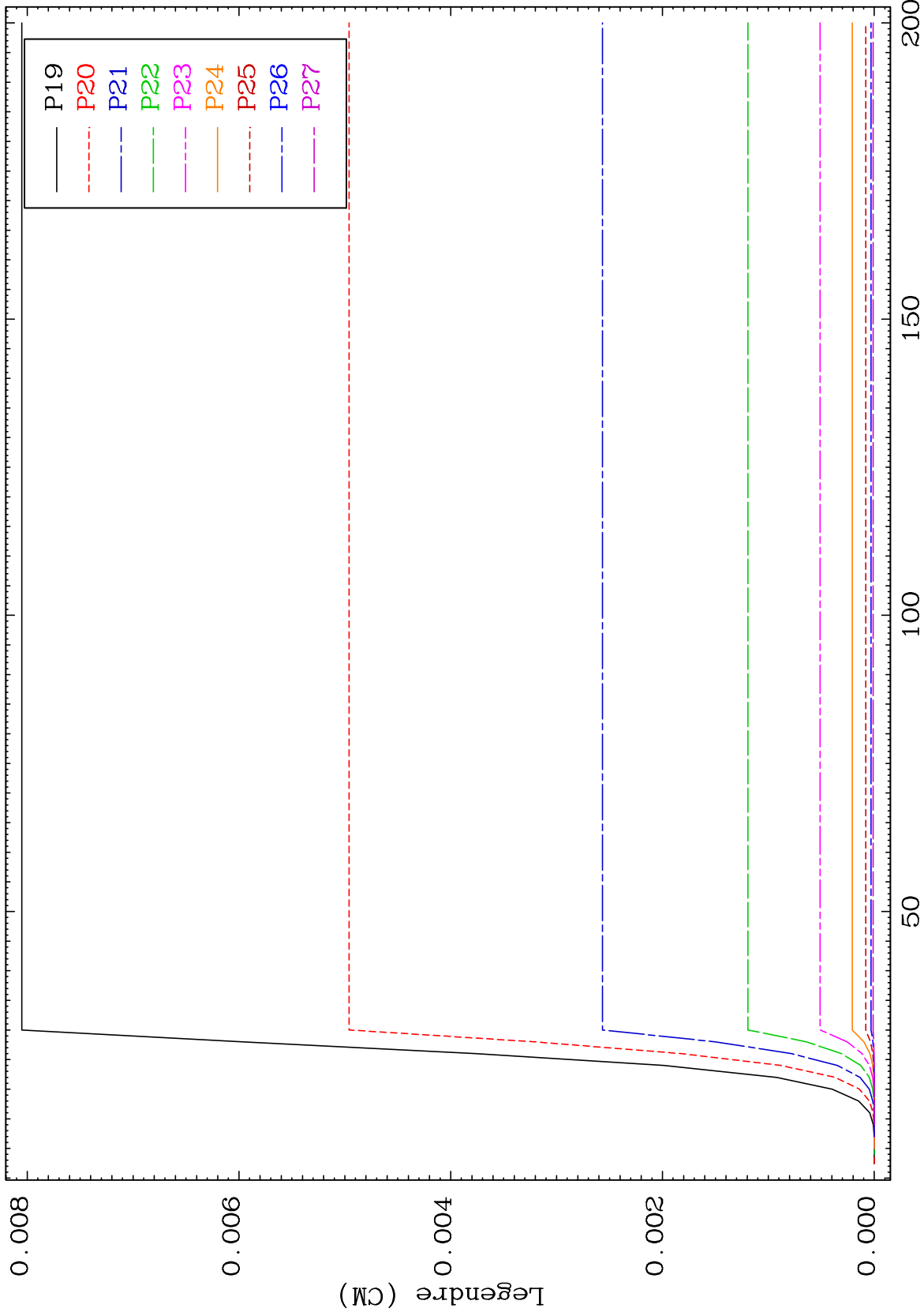
53-I -131

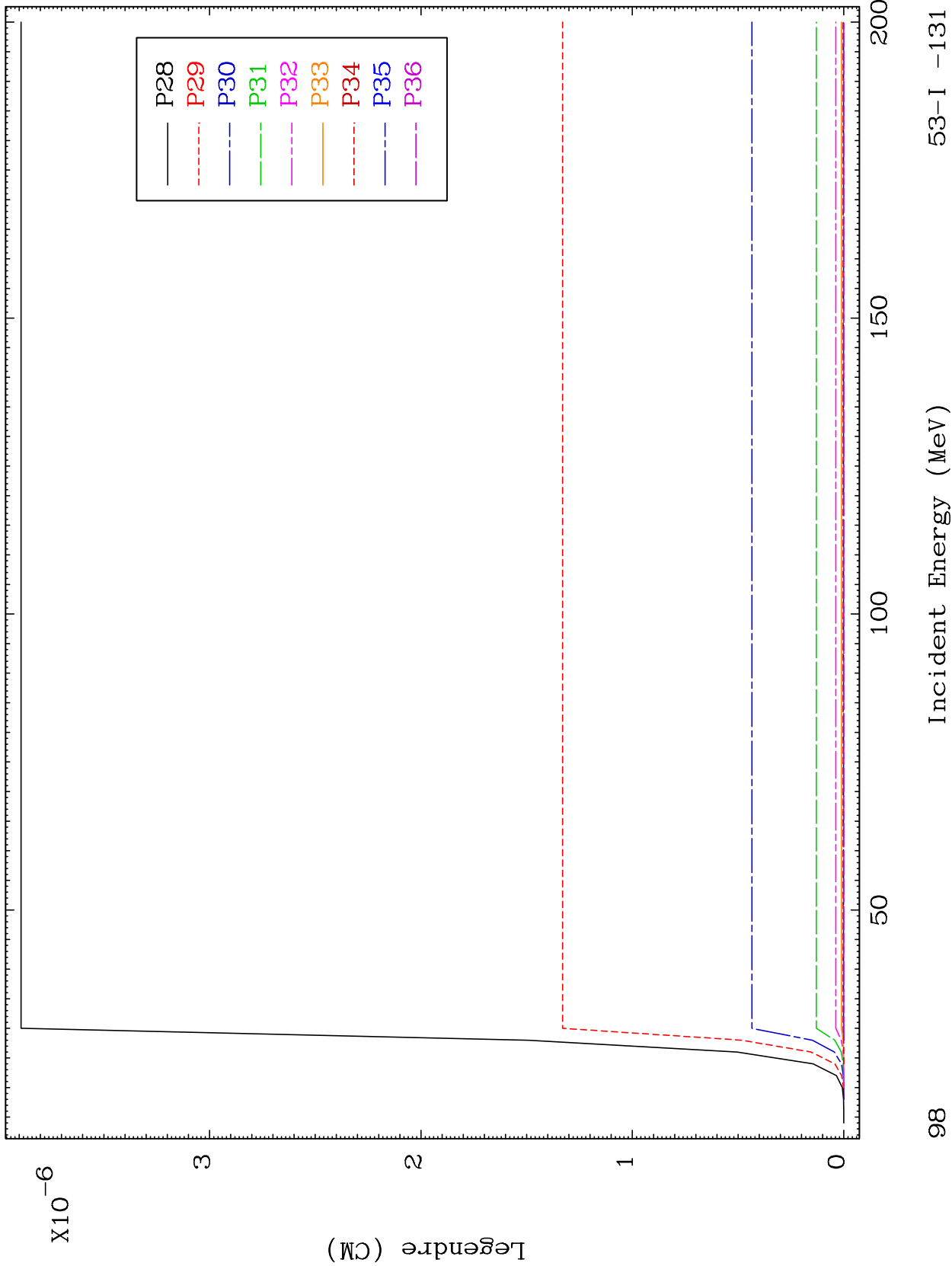
Incident Energy (MeV)

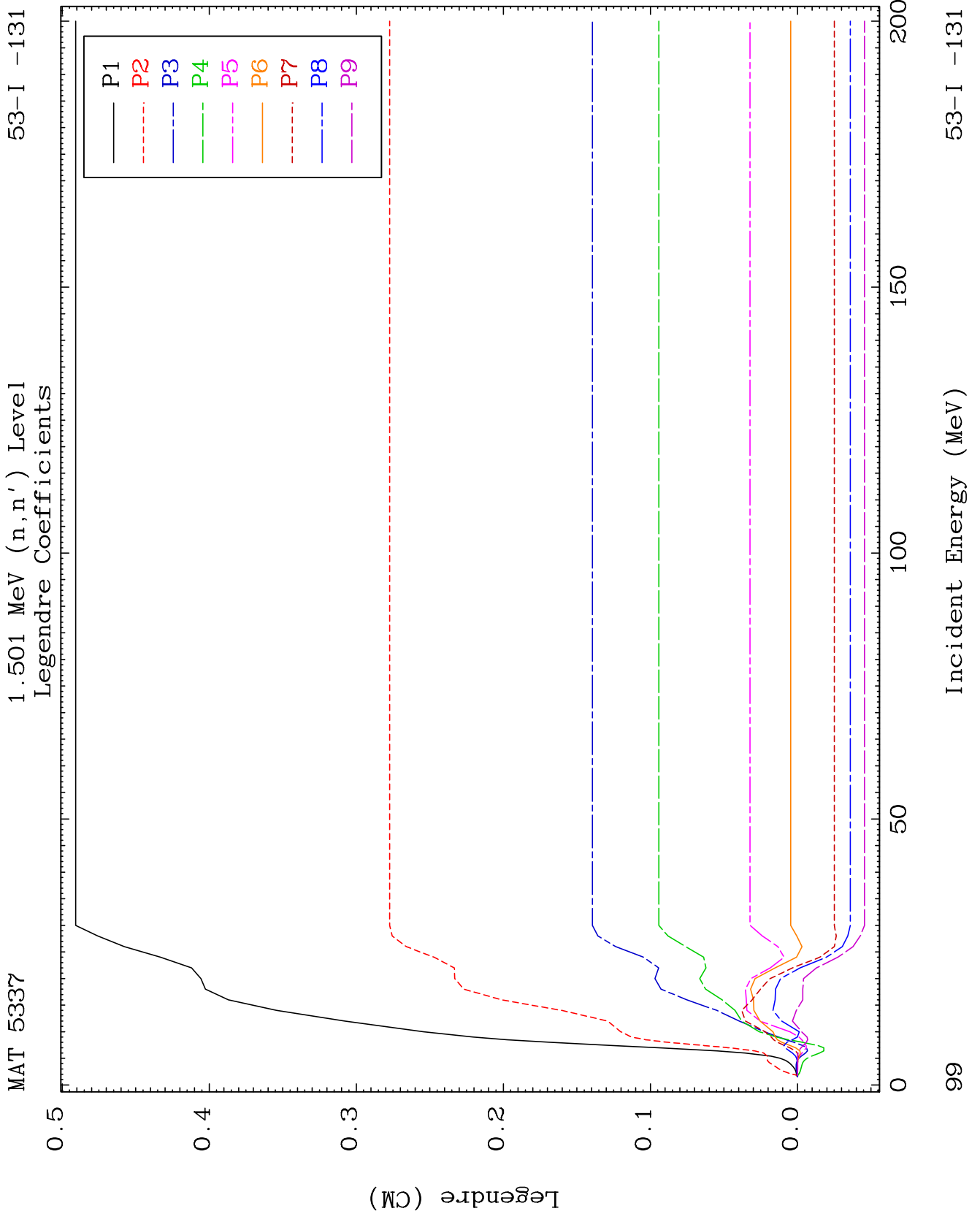
95







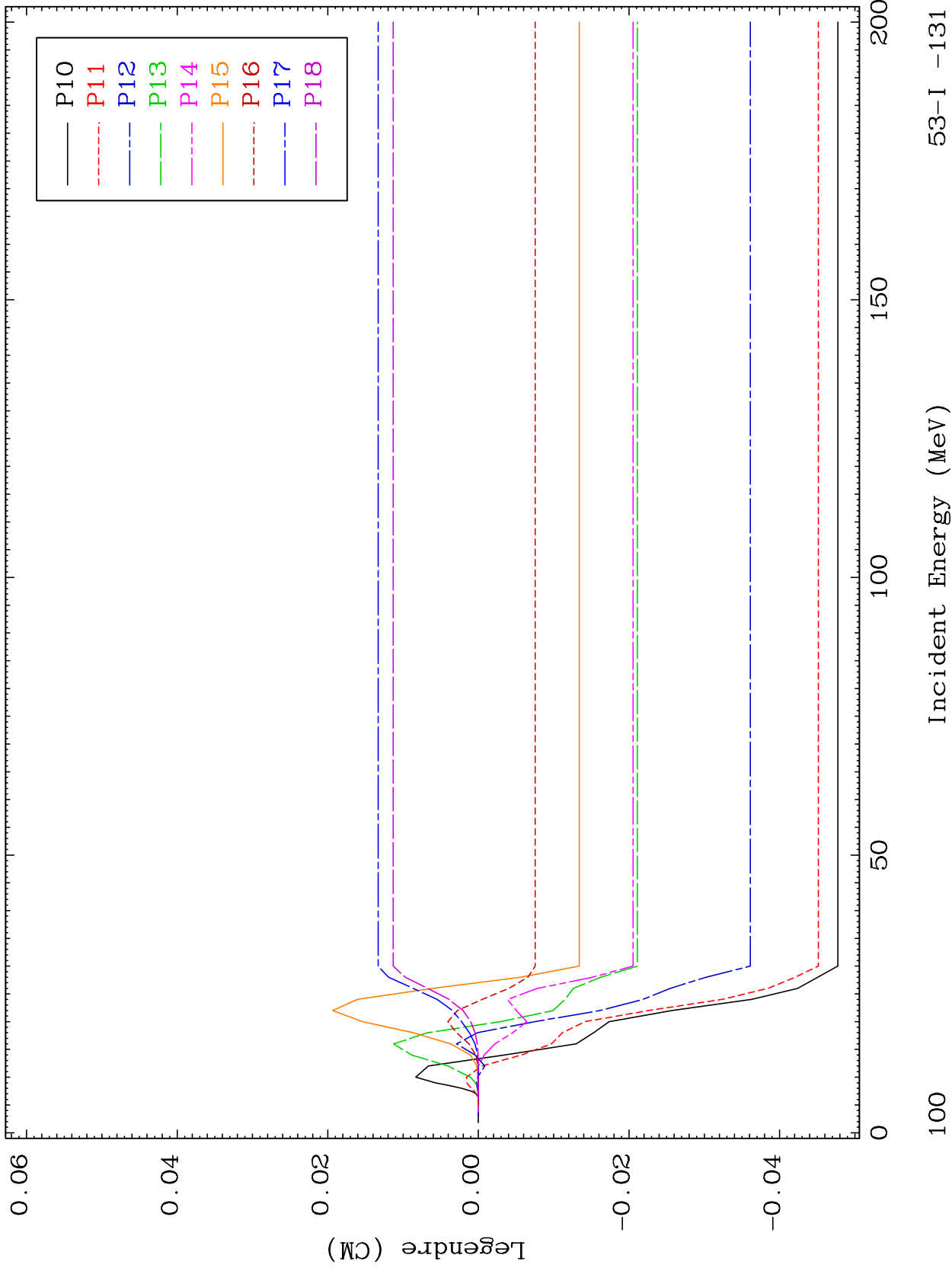




MAT 5337

1.501 MeV (n,n') Level  
Legendre Coefficients

53-I -131



53-I -131

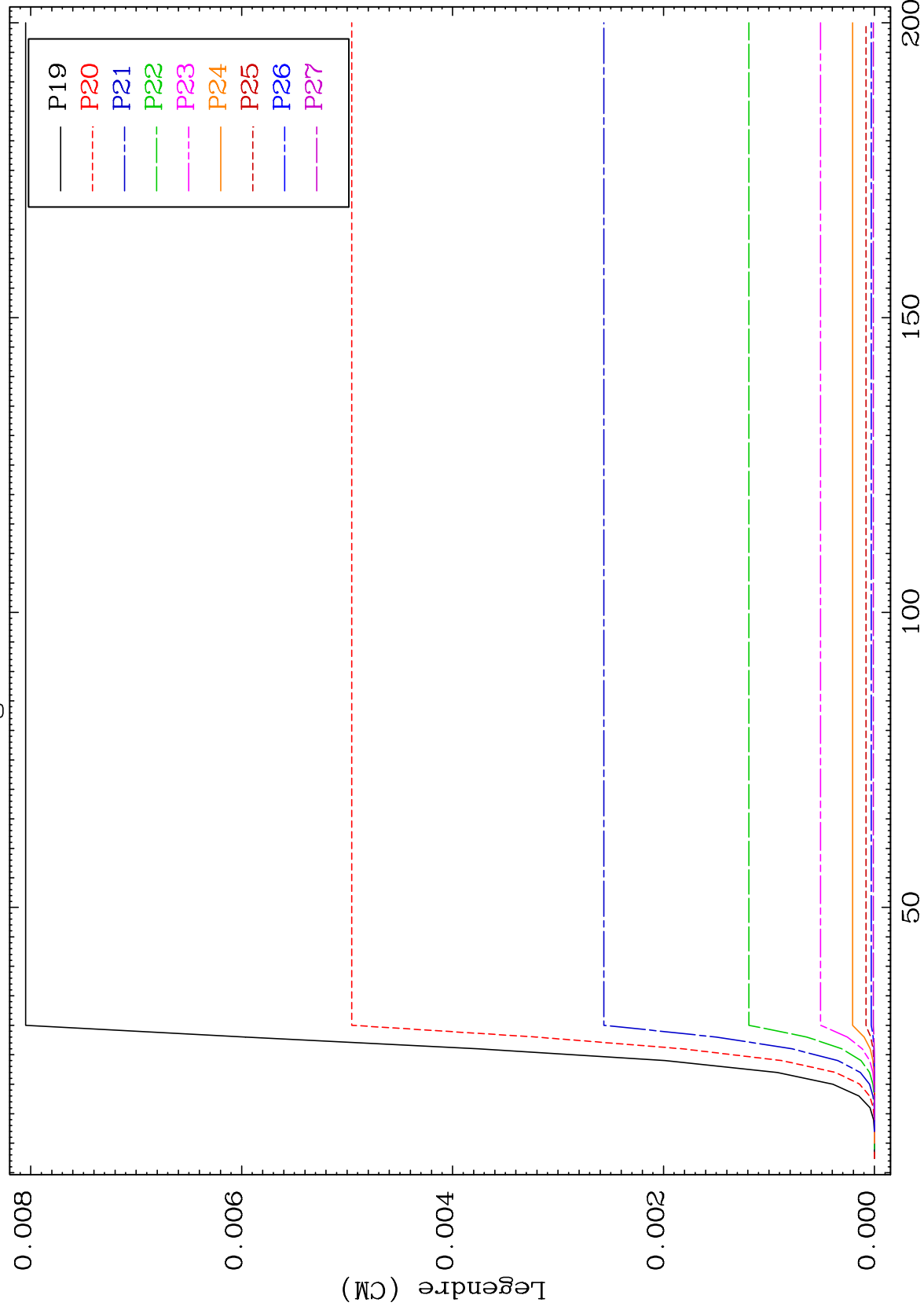
Incident Energy (MeV)

100

MAT 5337

1.501 MeV (n,n') Level  
Legendre Coefficients

53-I -131



101

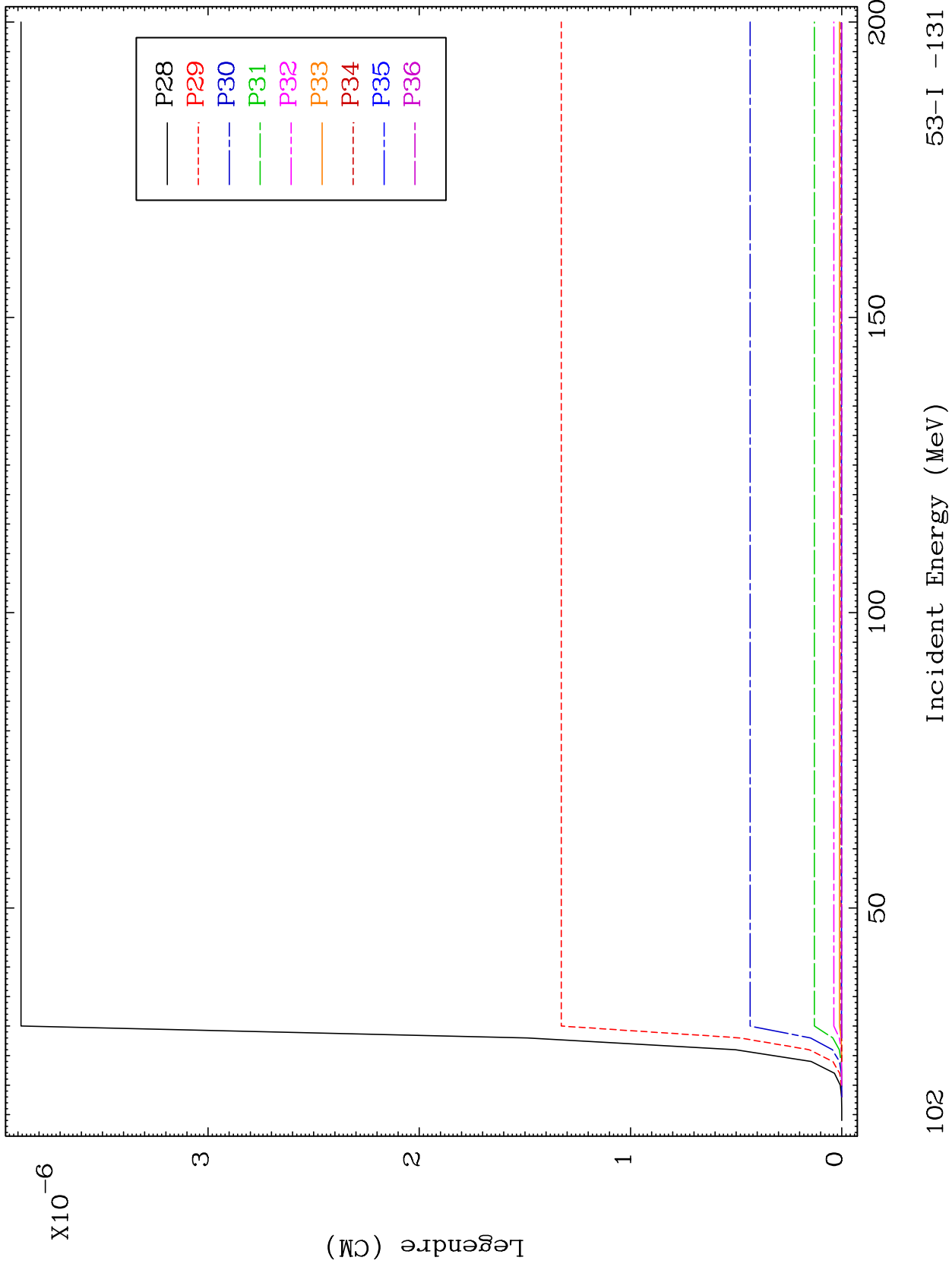
Incident Energy (MeV)

53-I -131

MAT 5337

1.501 MeV (n,n') Level  
Legendre Coefficients

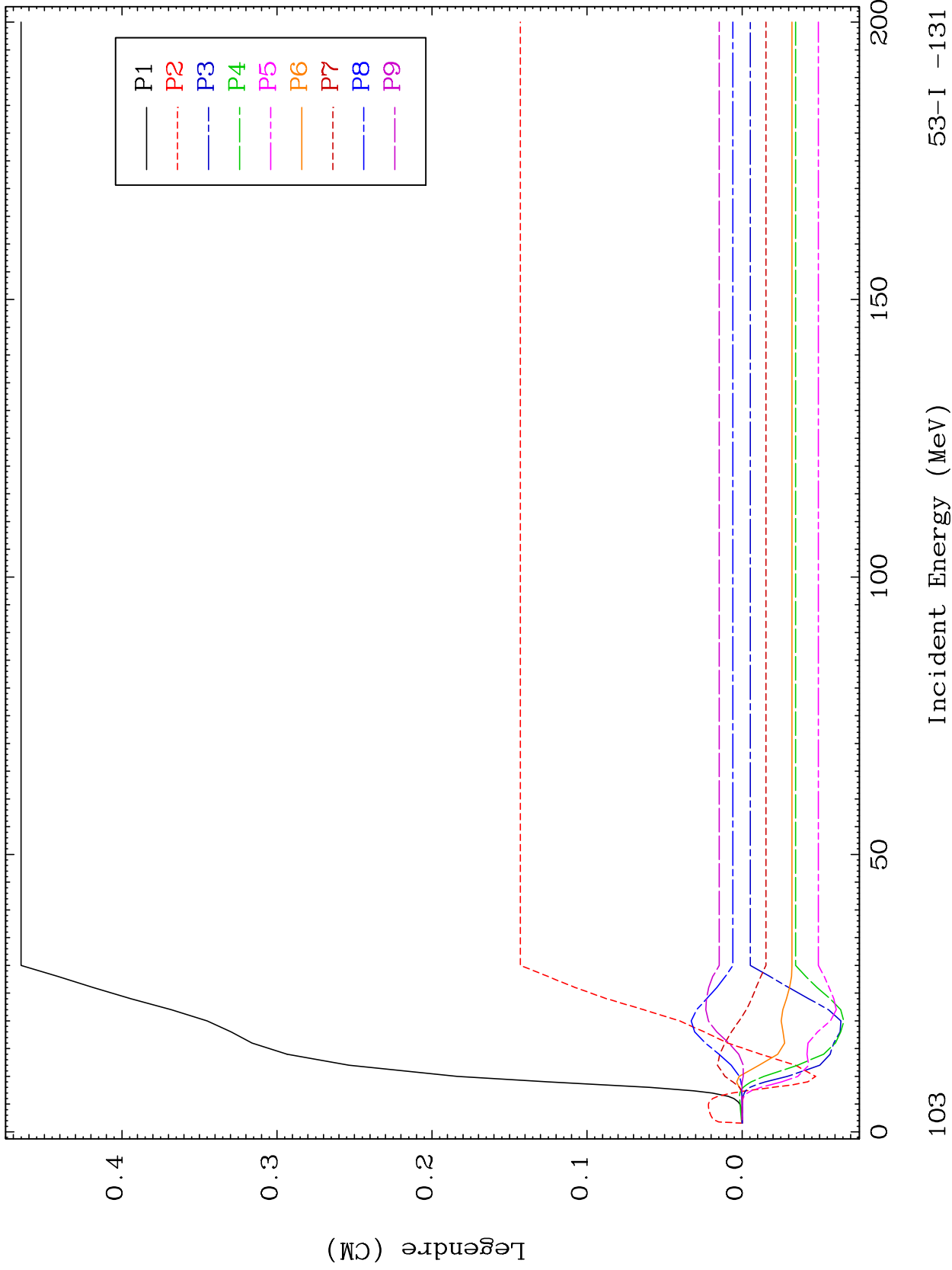
53-I -131



MAT 5337

1.548 MeV (n,n') Level  
Legendre Coefficients

53-I -131



103

Incident Energy (MeV)

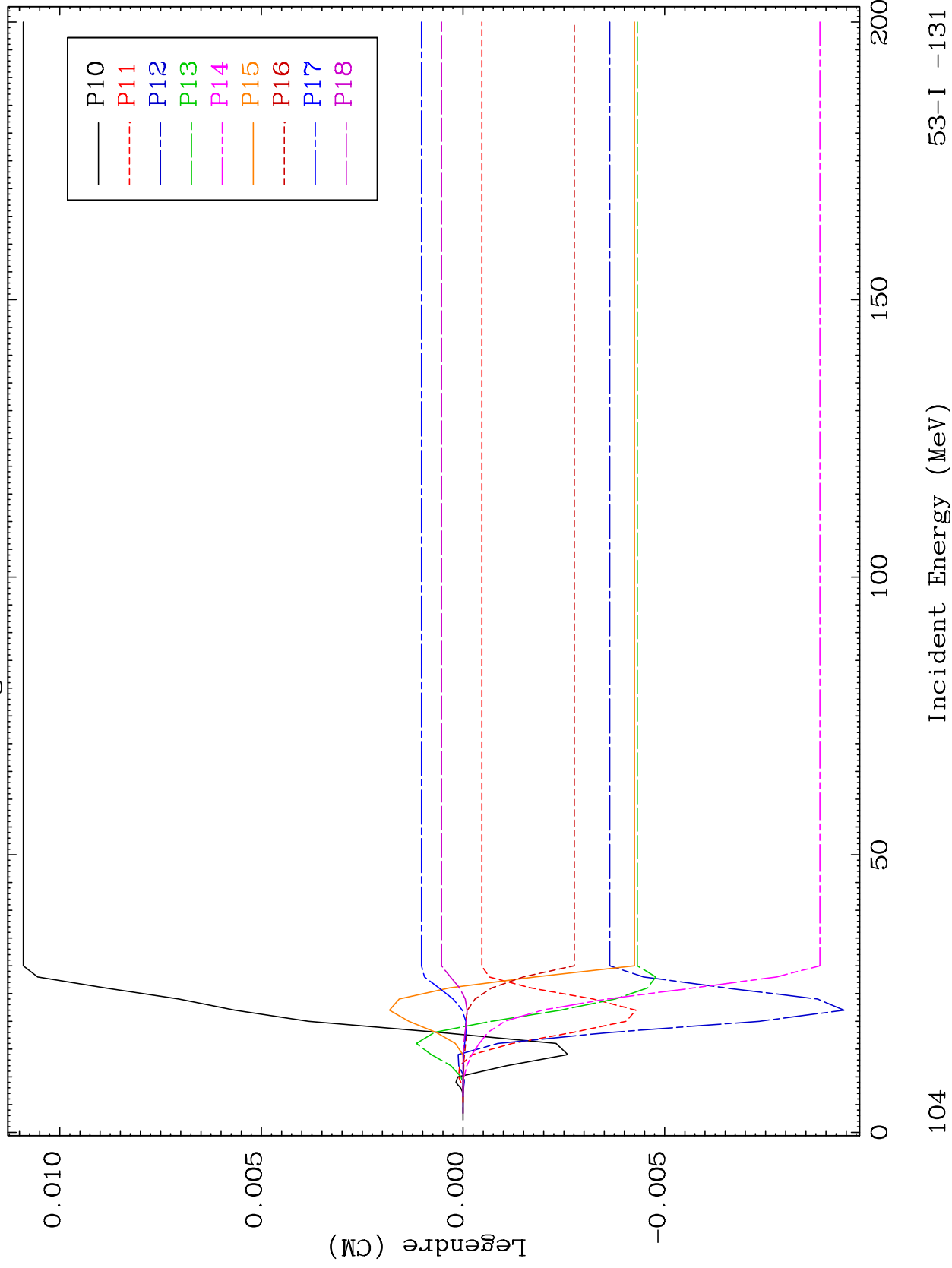
53-I -131



MAT 5337

1.548 MeV (n,n') Level  
Legendre Coefficients

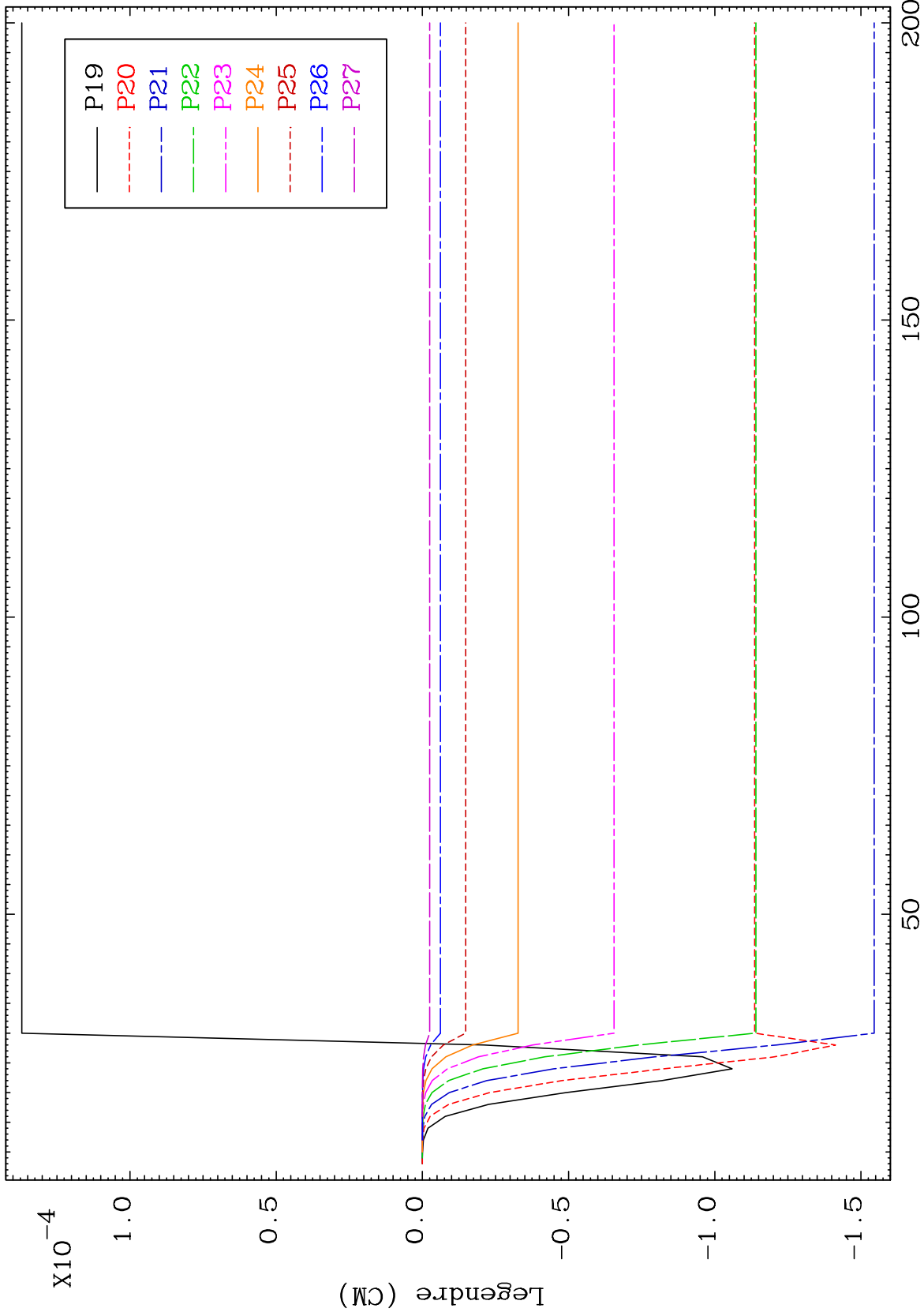
53-I -131

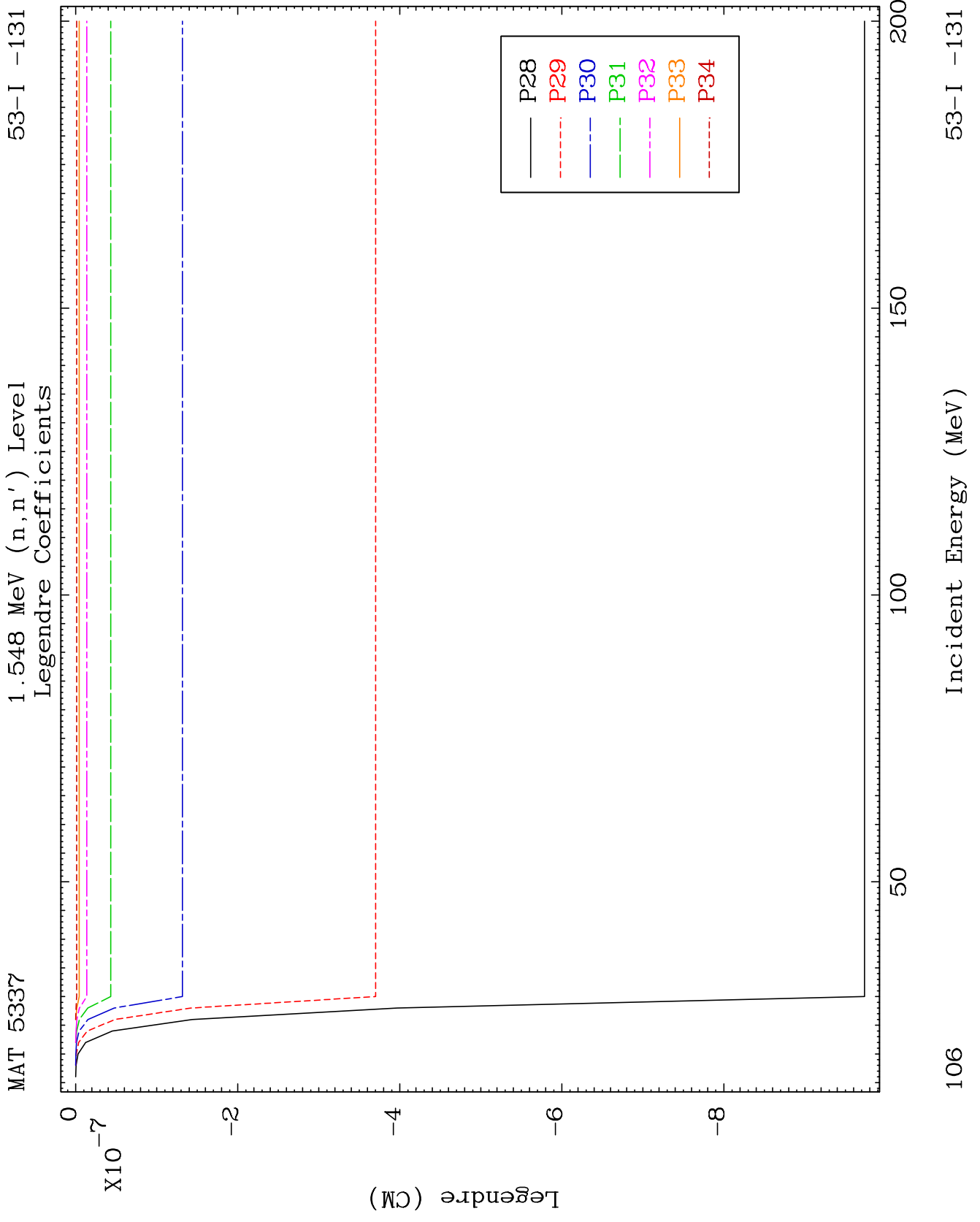


104

Incident Energy (MeV)

53-I -131

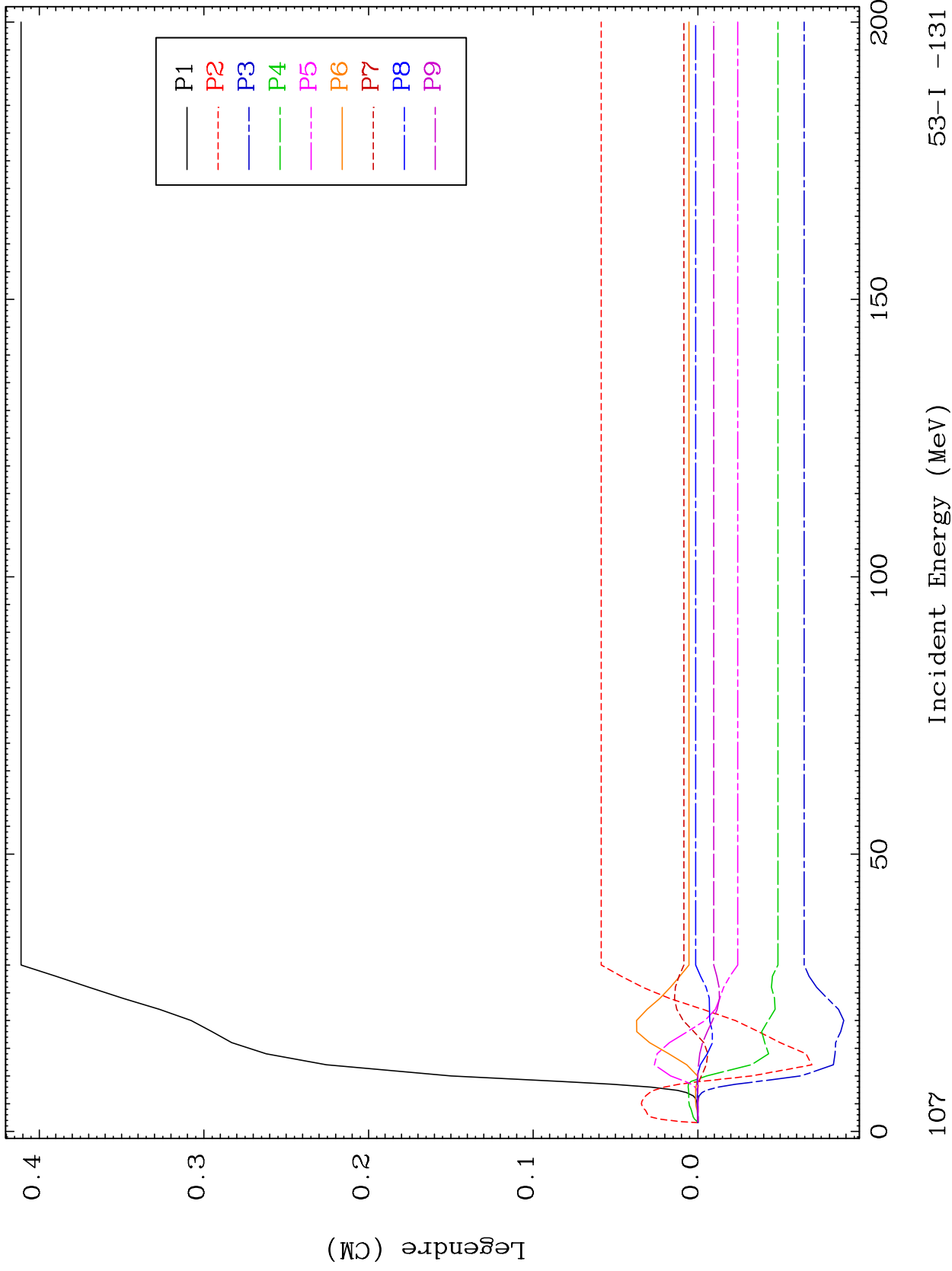




MAT 5337

1.556 MeV (n,n') Level  
Legendre Coefficients

53-I -131



53-I -131

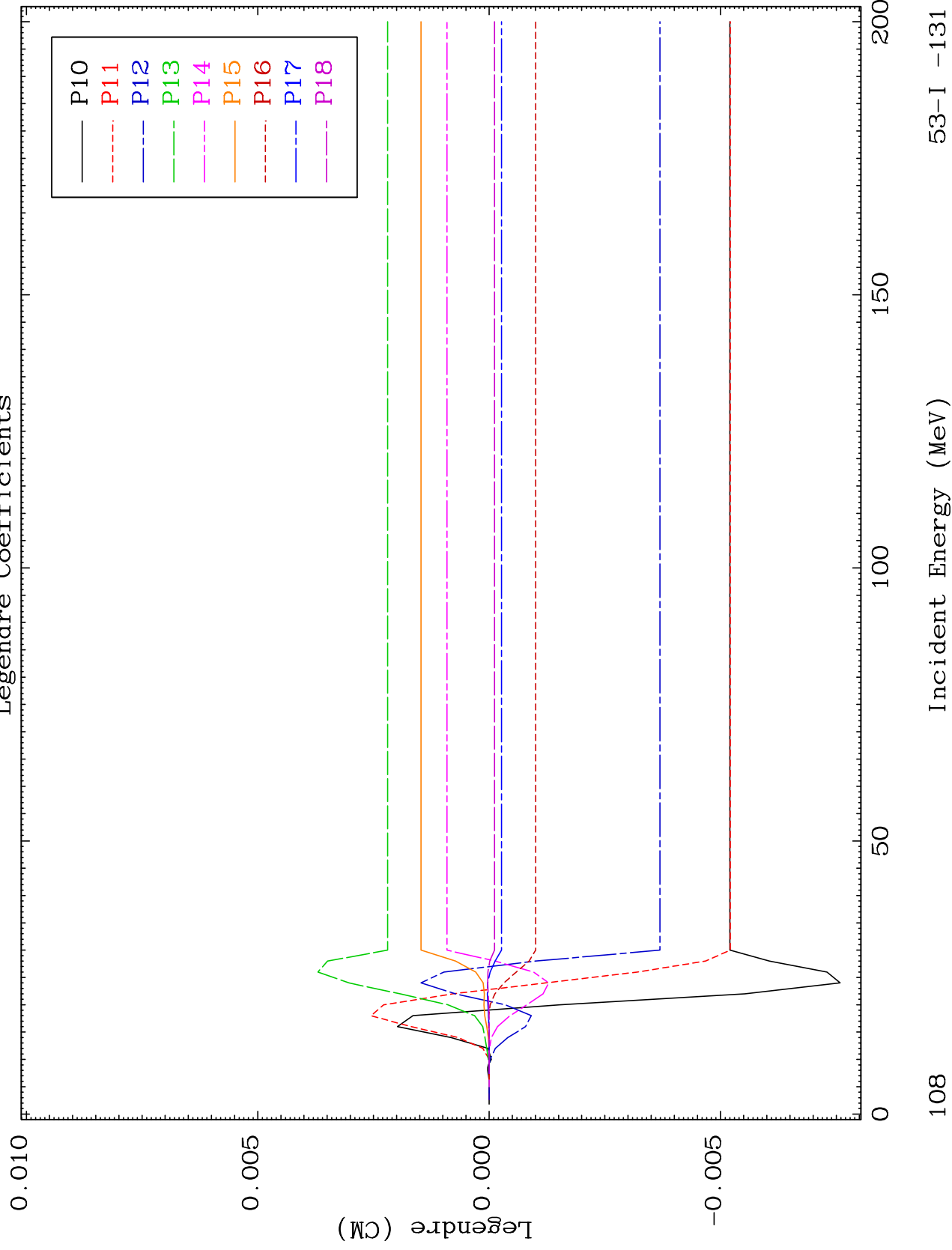
Incident Energy (MeV)

107

MAT 5337

1.556 MeV (n,n') Level  
Legendre Coefficients

53-I -131



108

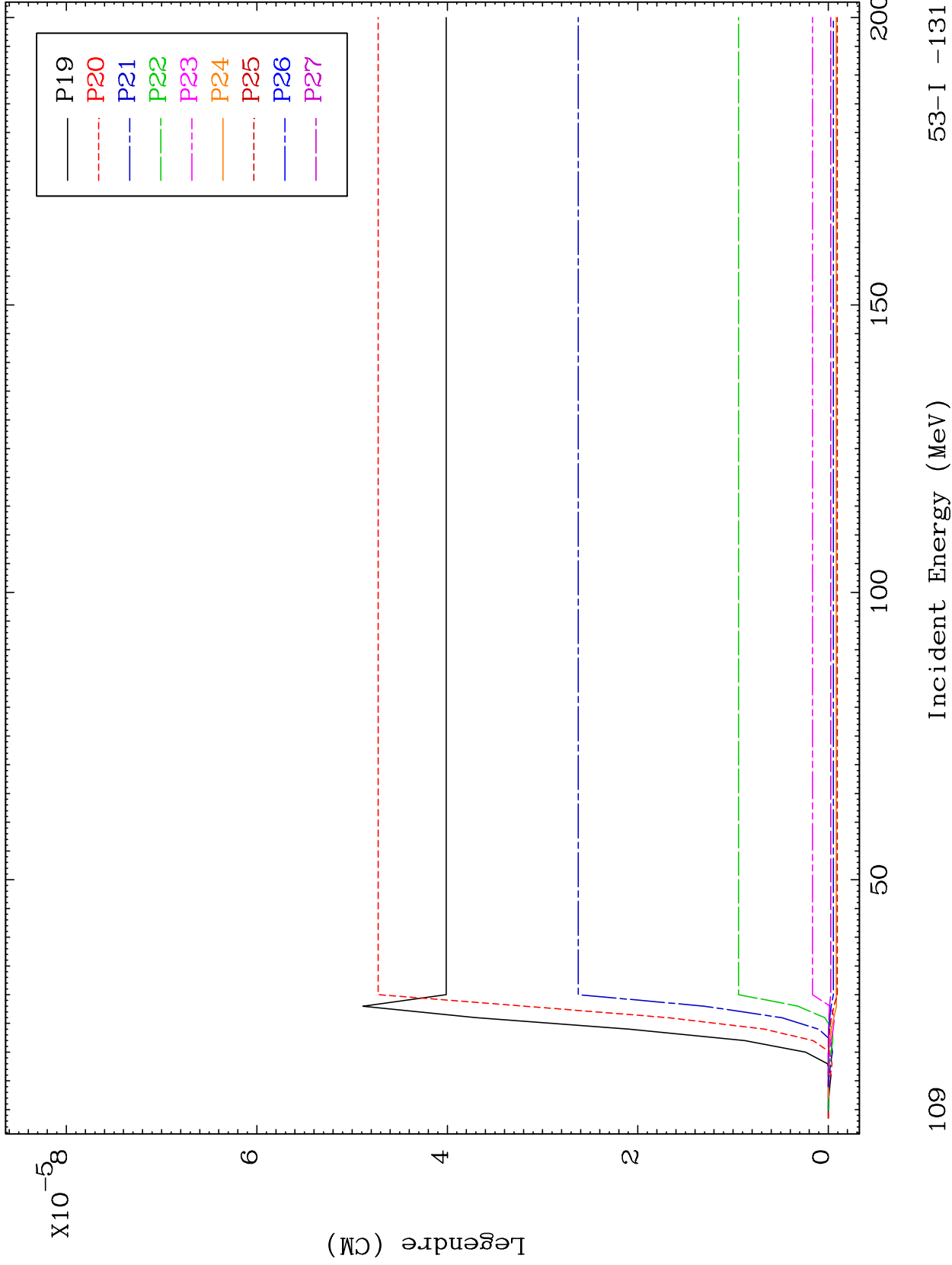
Incident Energy (MeV)

53-I -131

MAT 5337

1.556 MeV (n,n') Level  
Legendre Coefficients

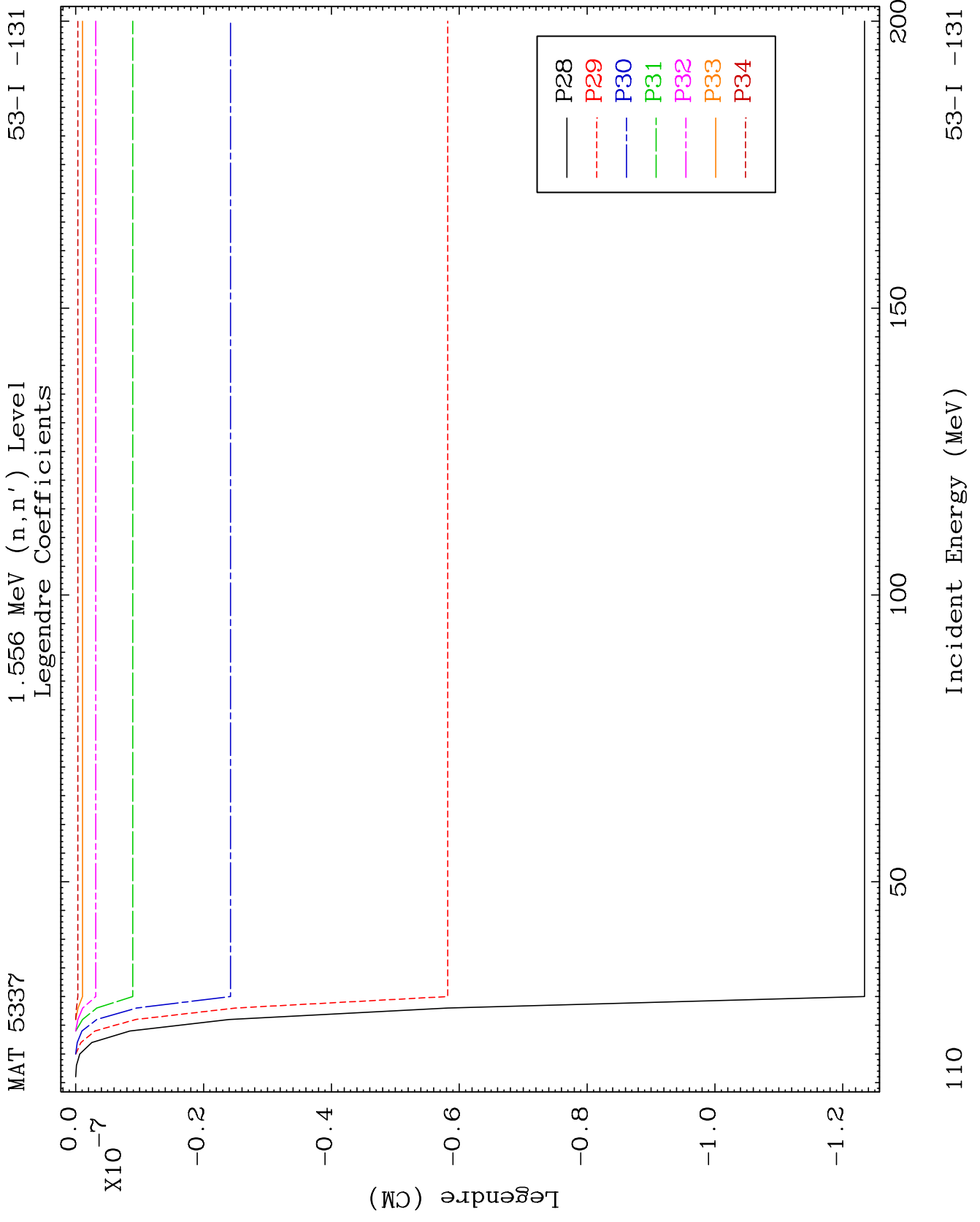
53-I -131



109

Incident Energy (MeV)

53-I -131



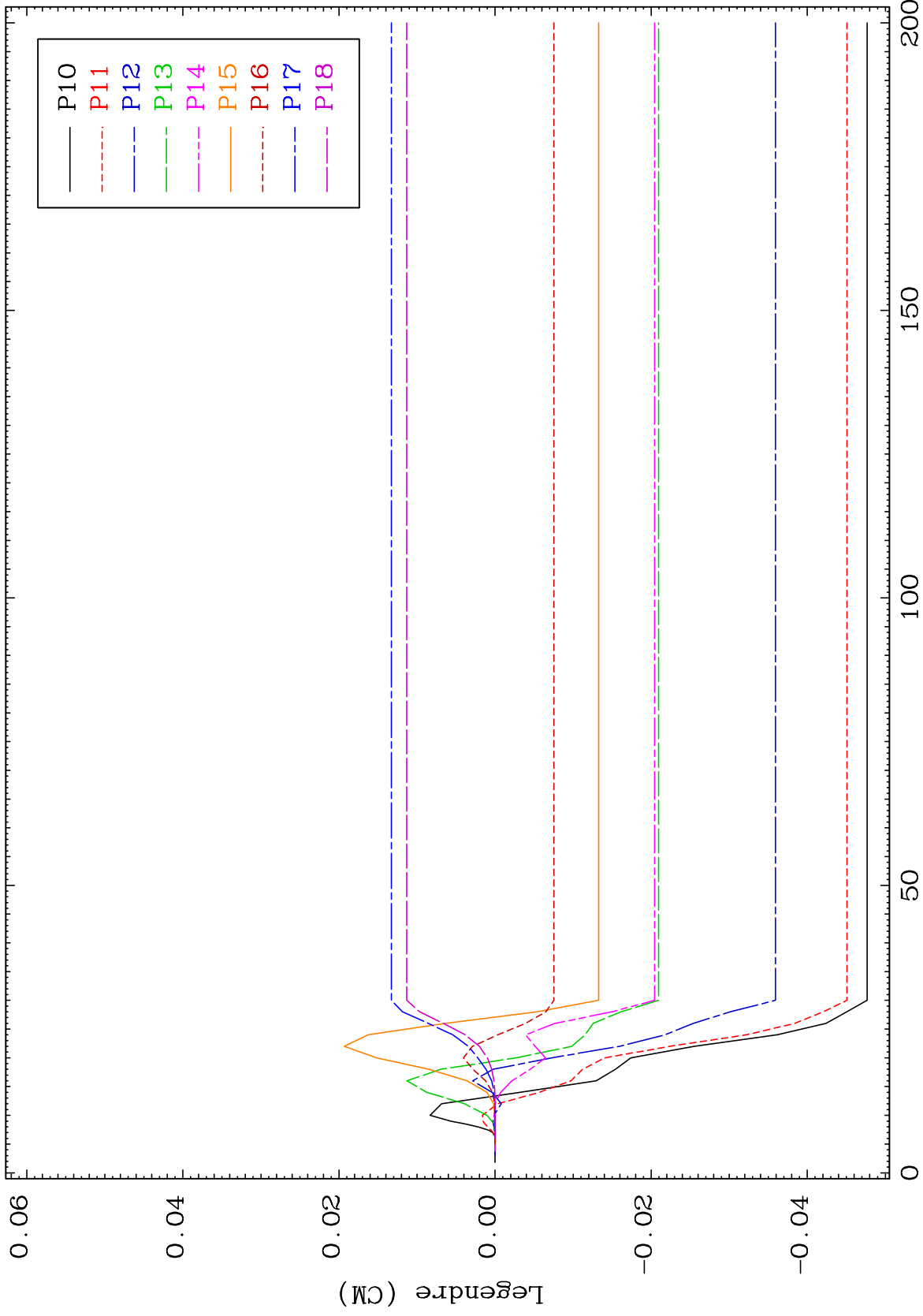




MAT 5337

1.596 MeV (n,n') Level  
Legendre Coefficients

53-I -131



112

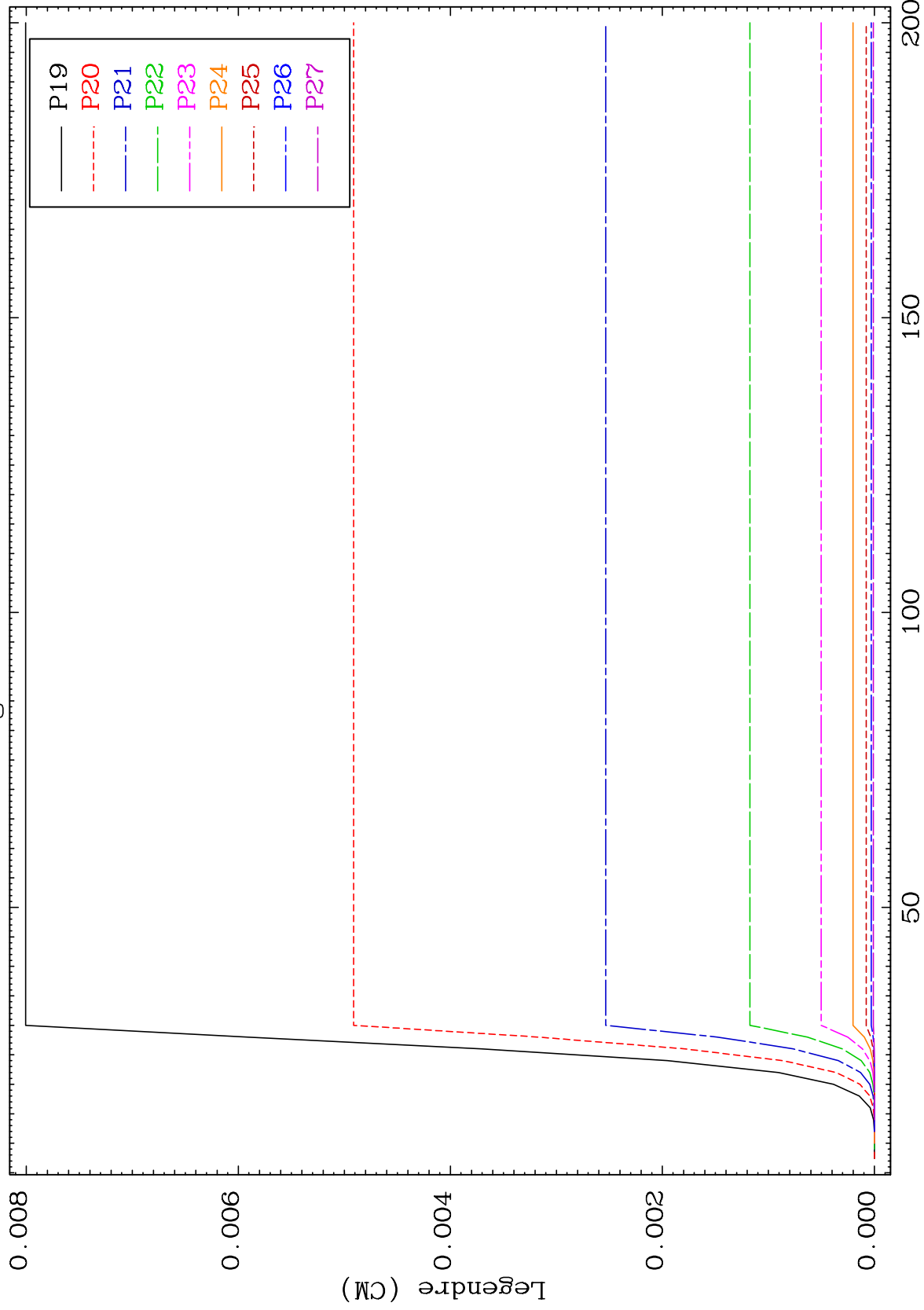
Incident Energy (MeV)

53-I -131

MAT 5337

1.596 MeV (n,n') Level  
Legendre Coefficients

53-I -131



113

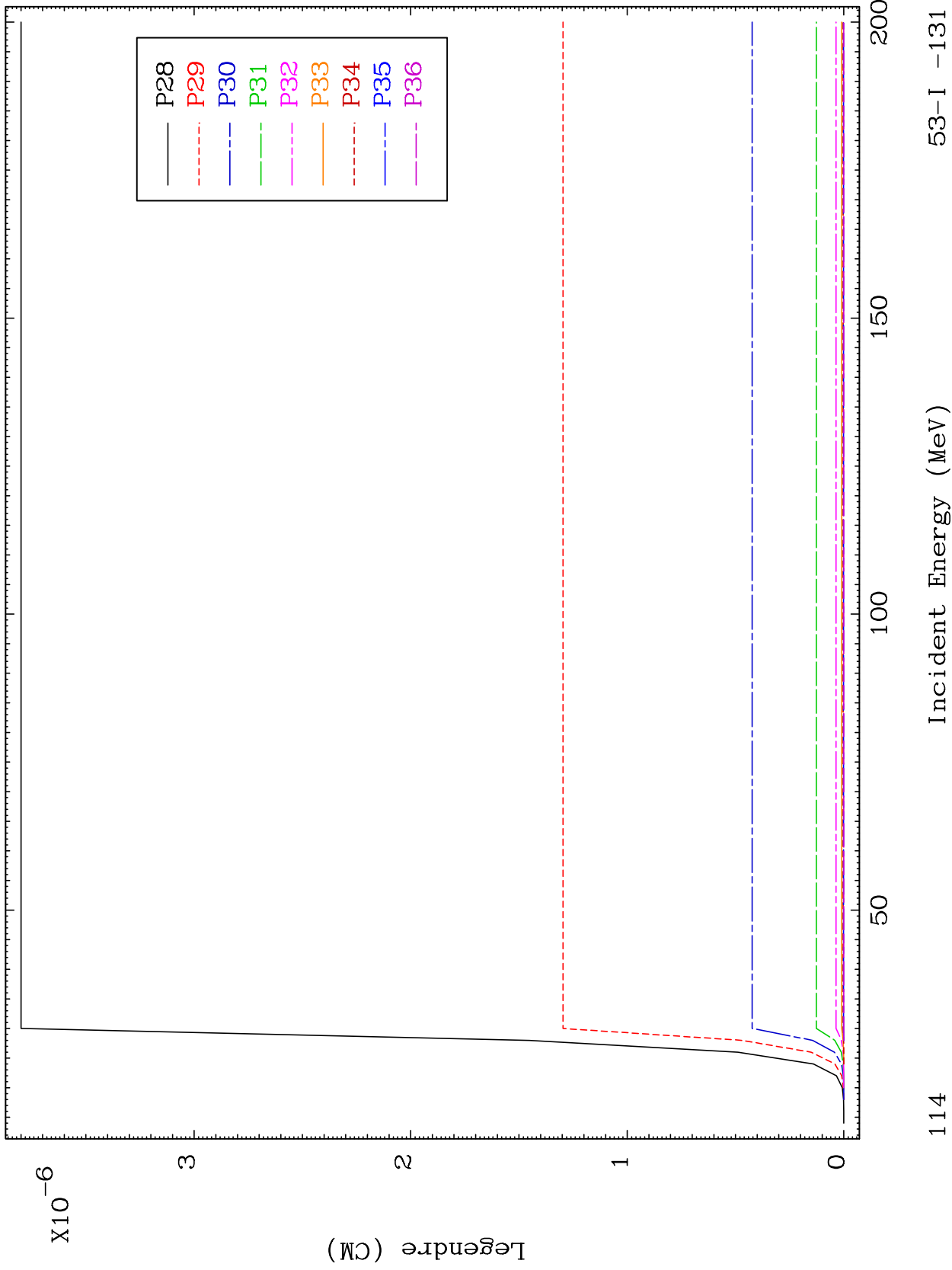
Incident Energy (MeV)

53-I -131

MAT 5337

1.596 MeV (n,n') Level  
Legendre Coefficients

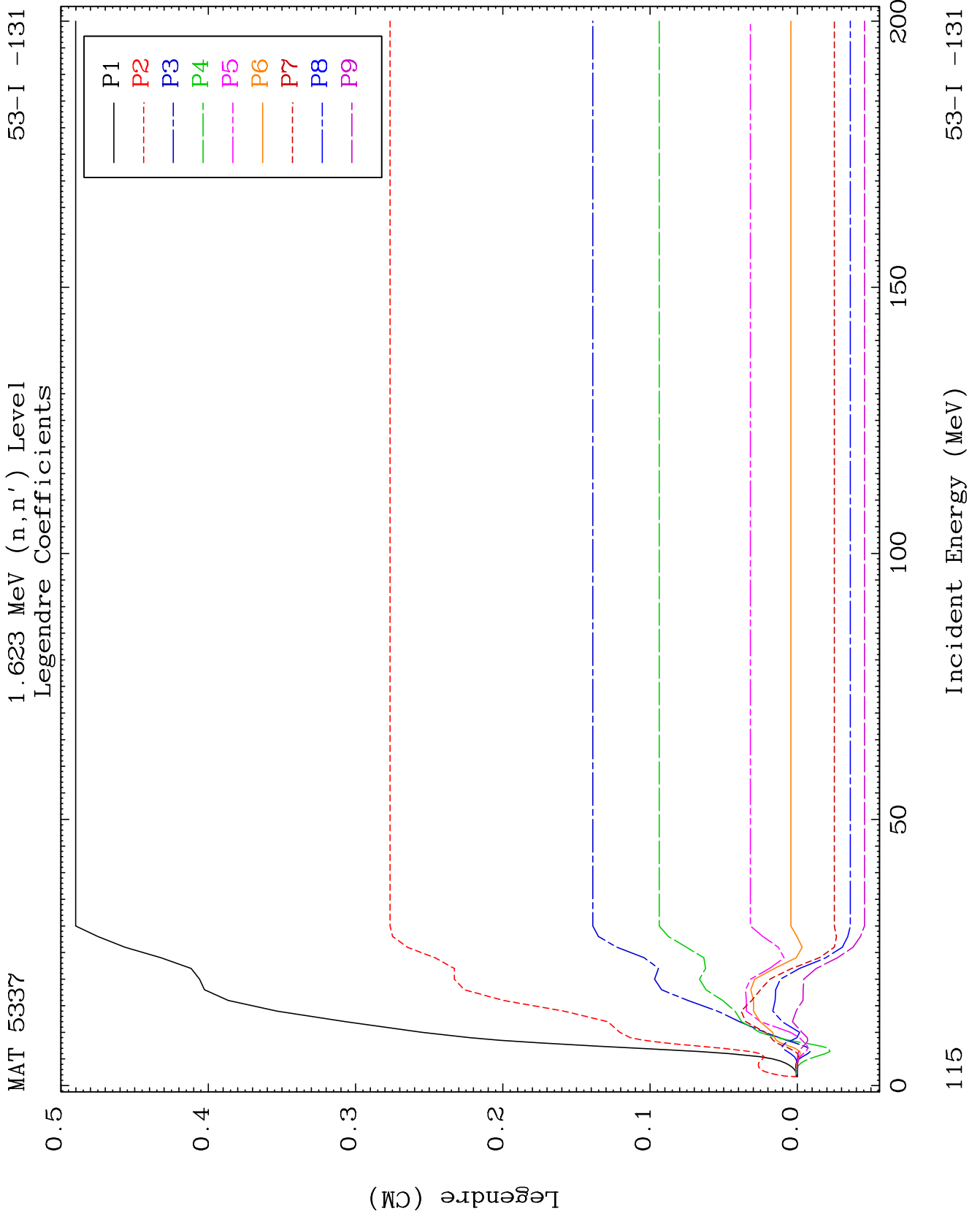
53-I -131



114

Incident Energy (MeV)

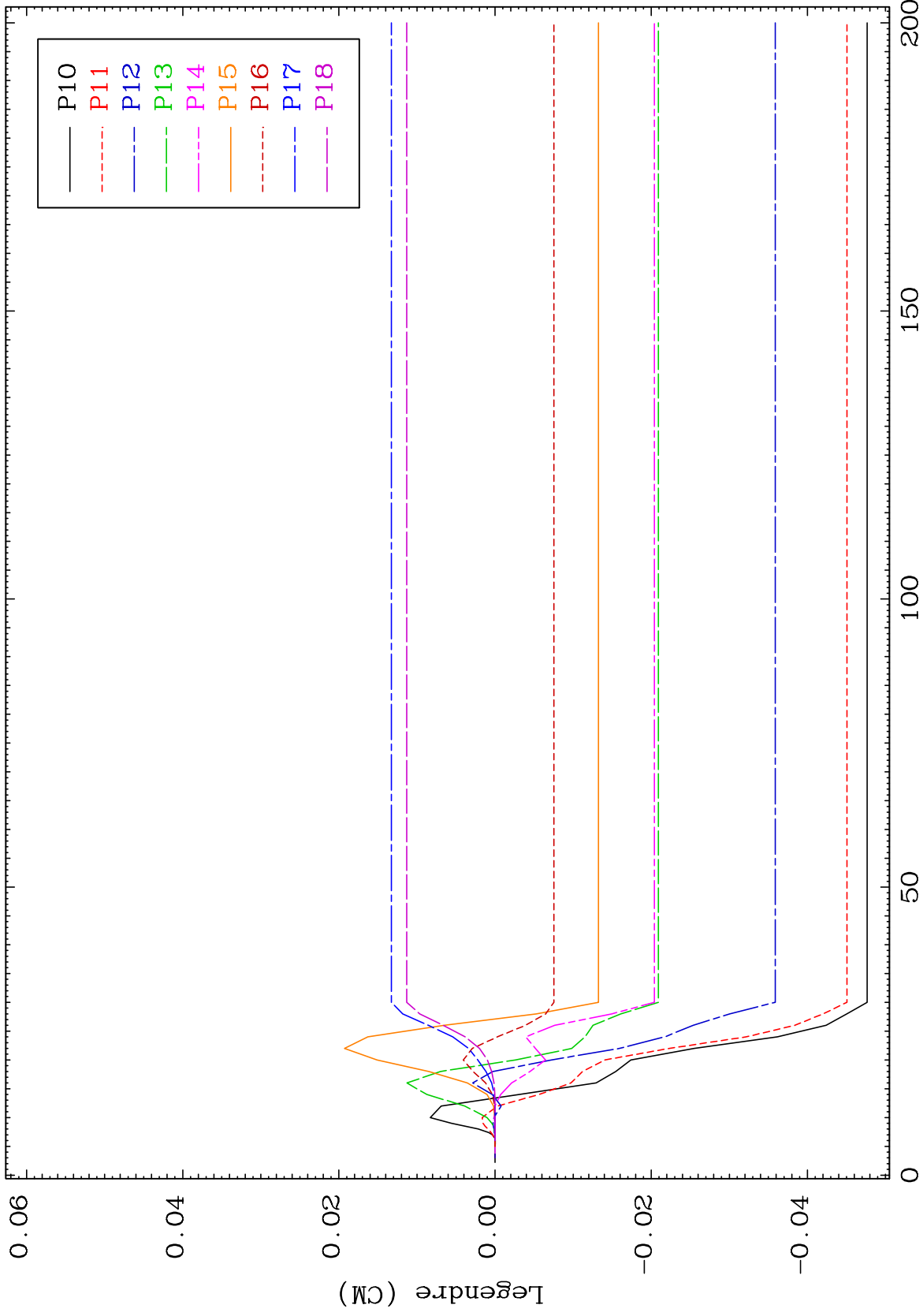
53-I -131



MAT 5337

1.623 MeV (n,n') Level  
Legendre Coefficients

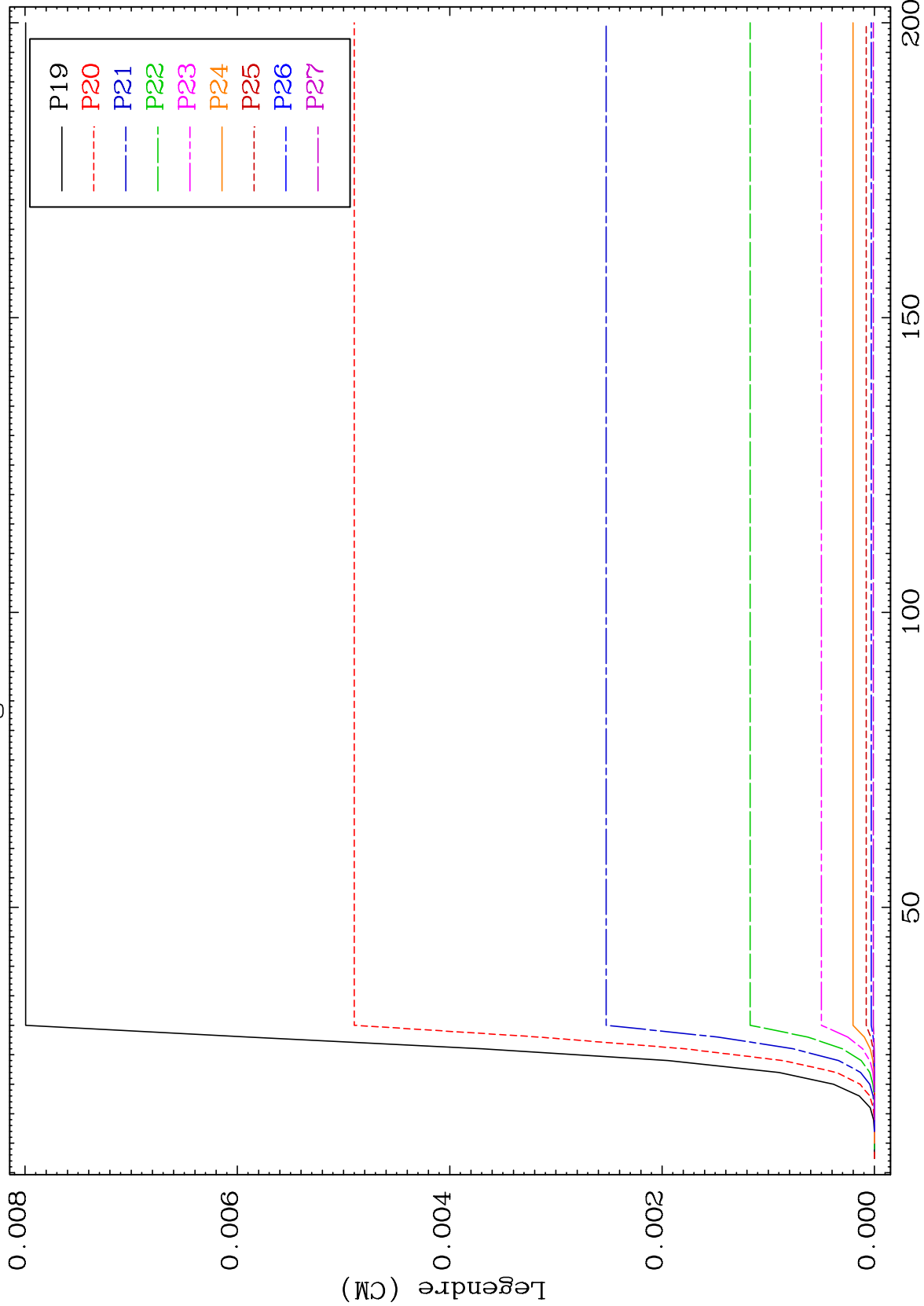
53-I -131



116

Incident Energy (MeV)

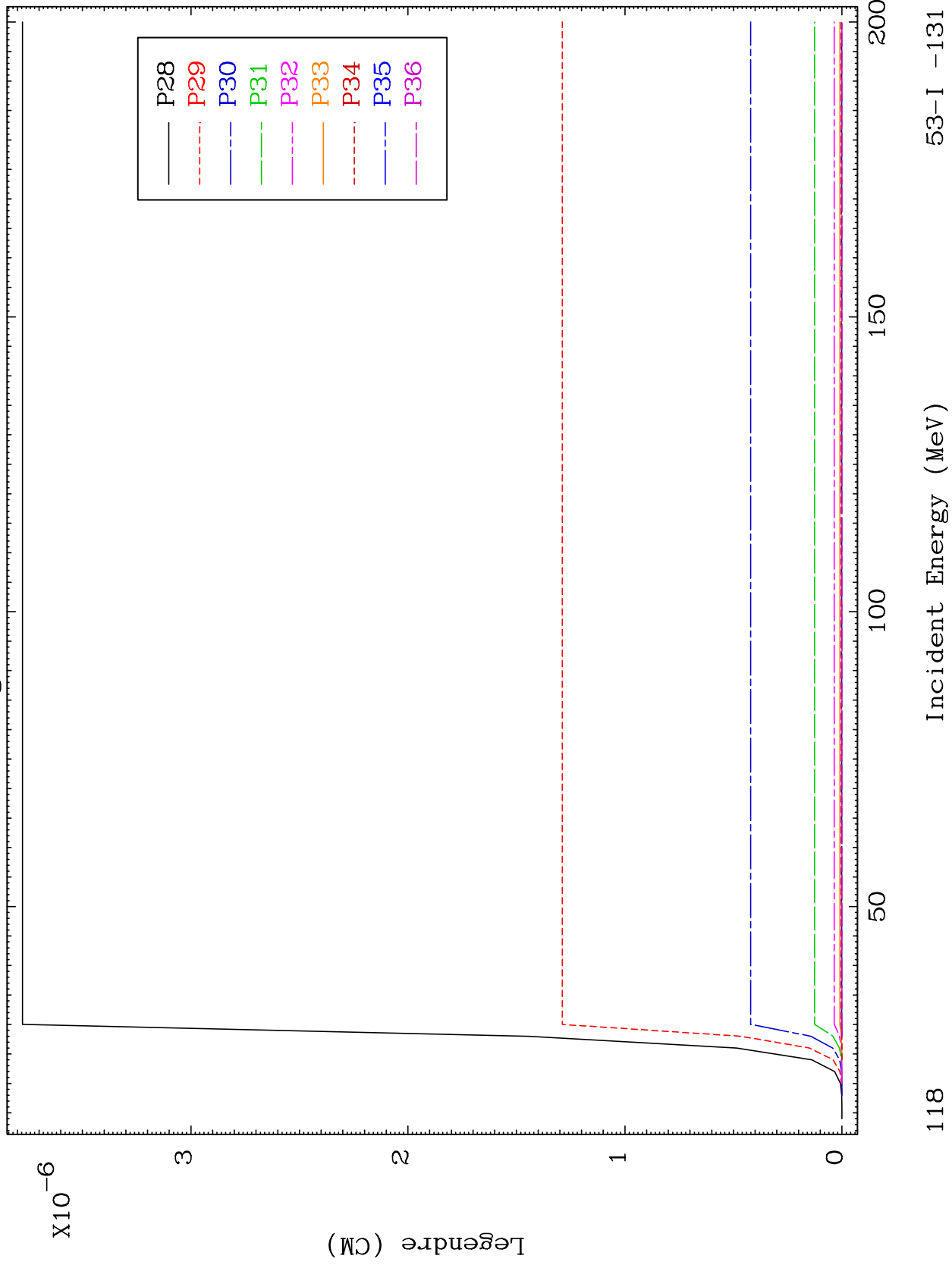
53-I -131



MAT 5337

1.623 MeV (n,n') Level  
Legendre Coefficients

53-I -131



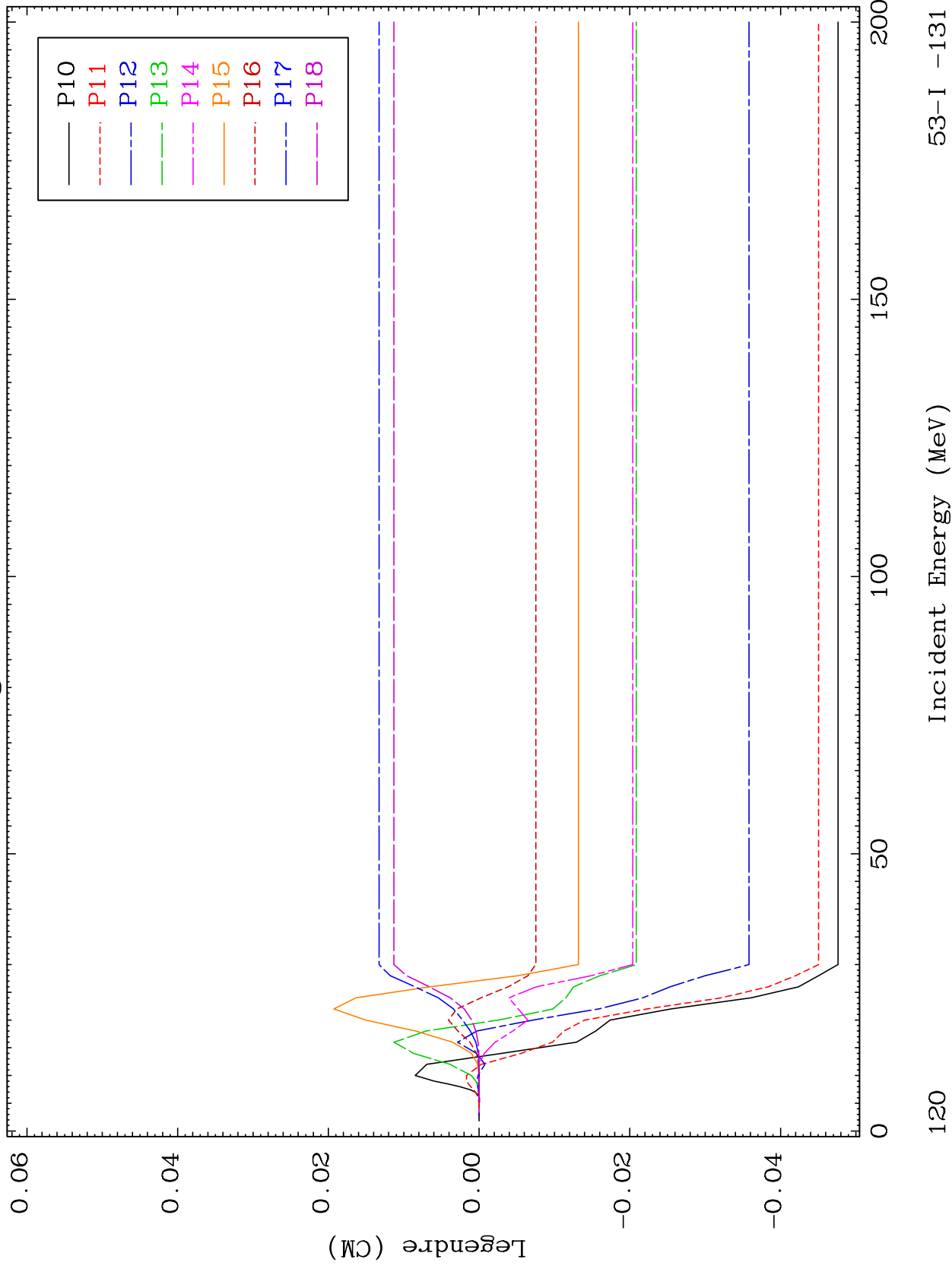




MAT 5337

1.646 MeV (n,n') Level  
Legendre Coefficients

53-I -131

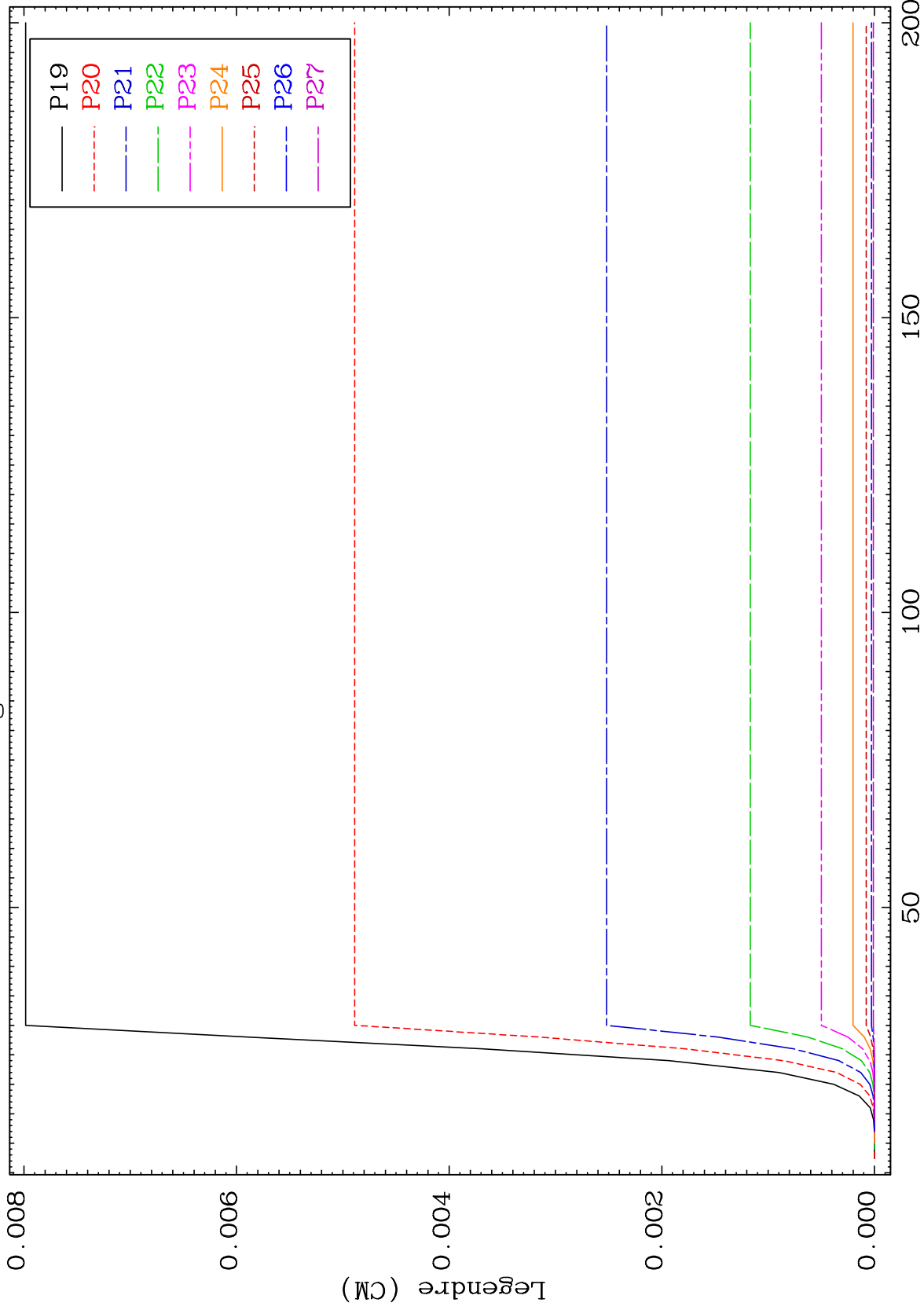


53-I -131

MAT 5337

1.646 MeV (n,n') Level  
Legendre Coefficients

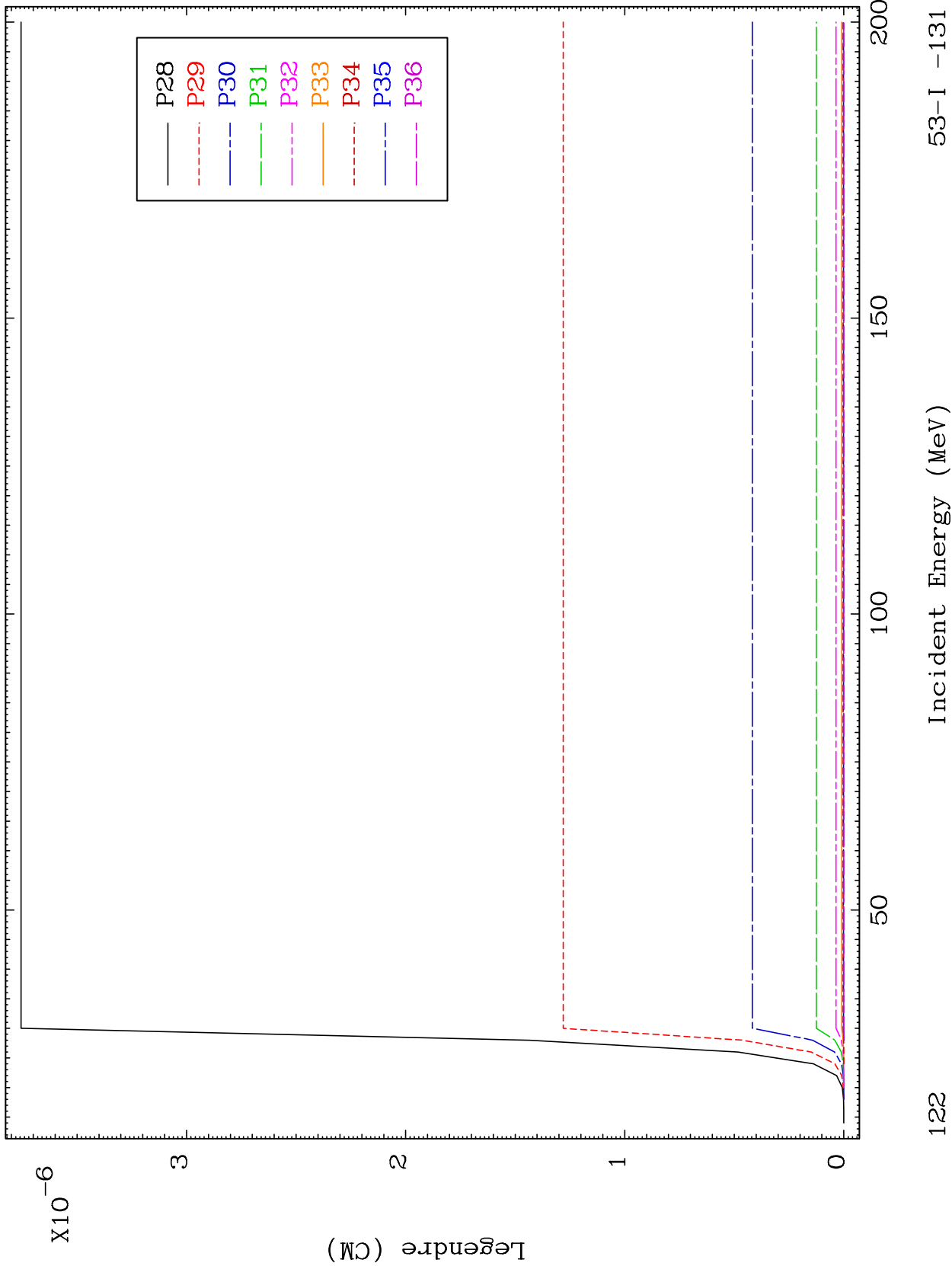
53-I -131



121

Incident Energy (MeV)

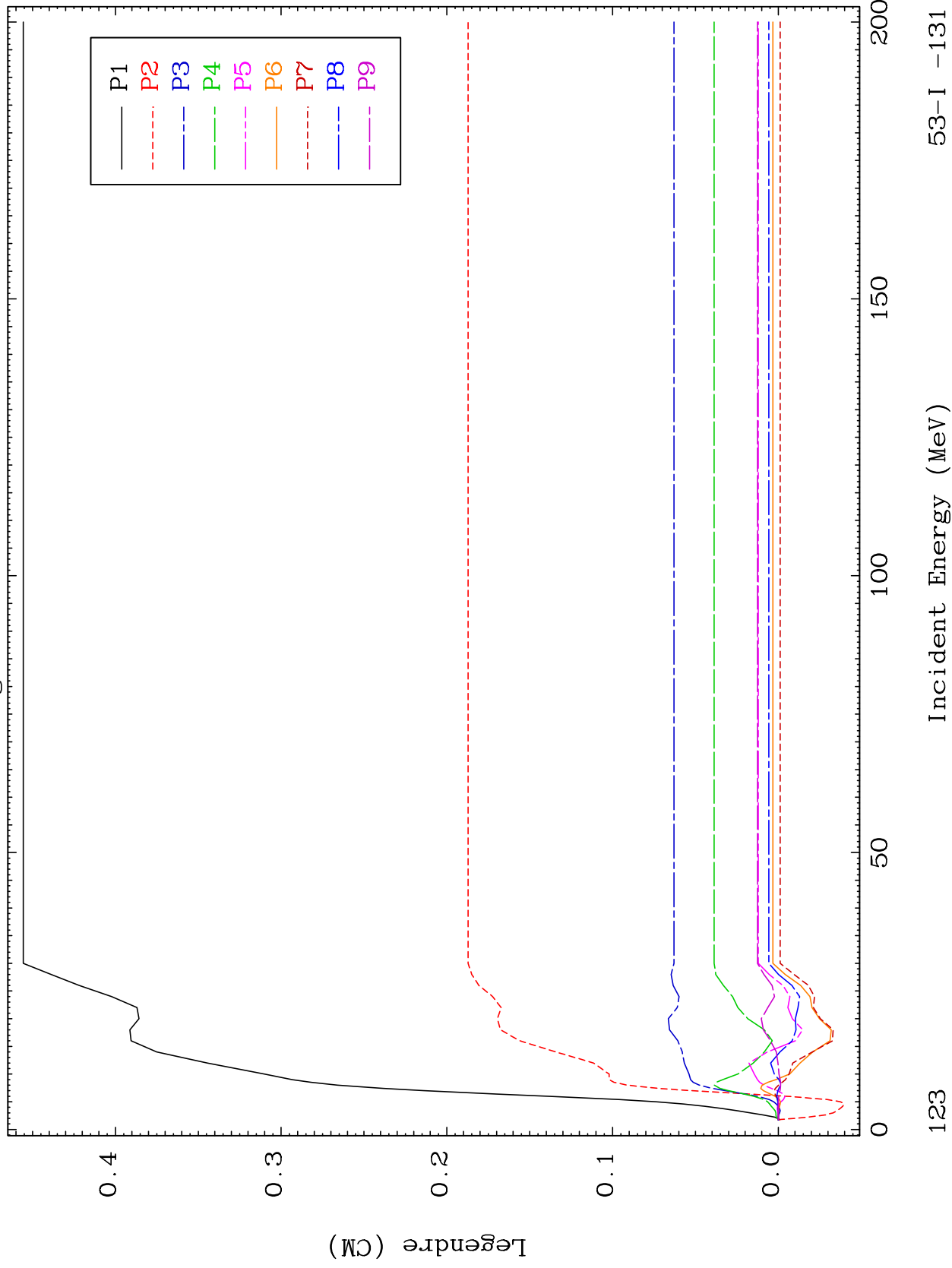
53-I -131



MAT 5337

1.677 MeV (n,n') Level  
Legendre Coefficients

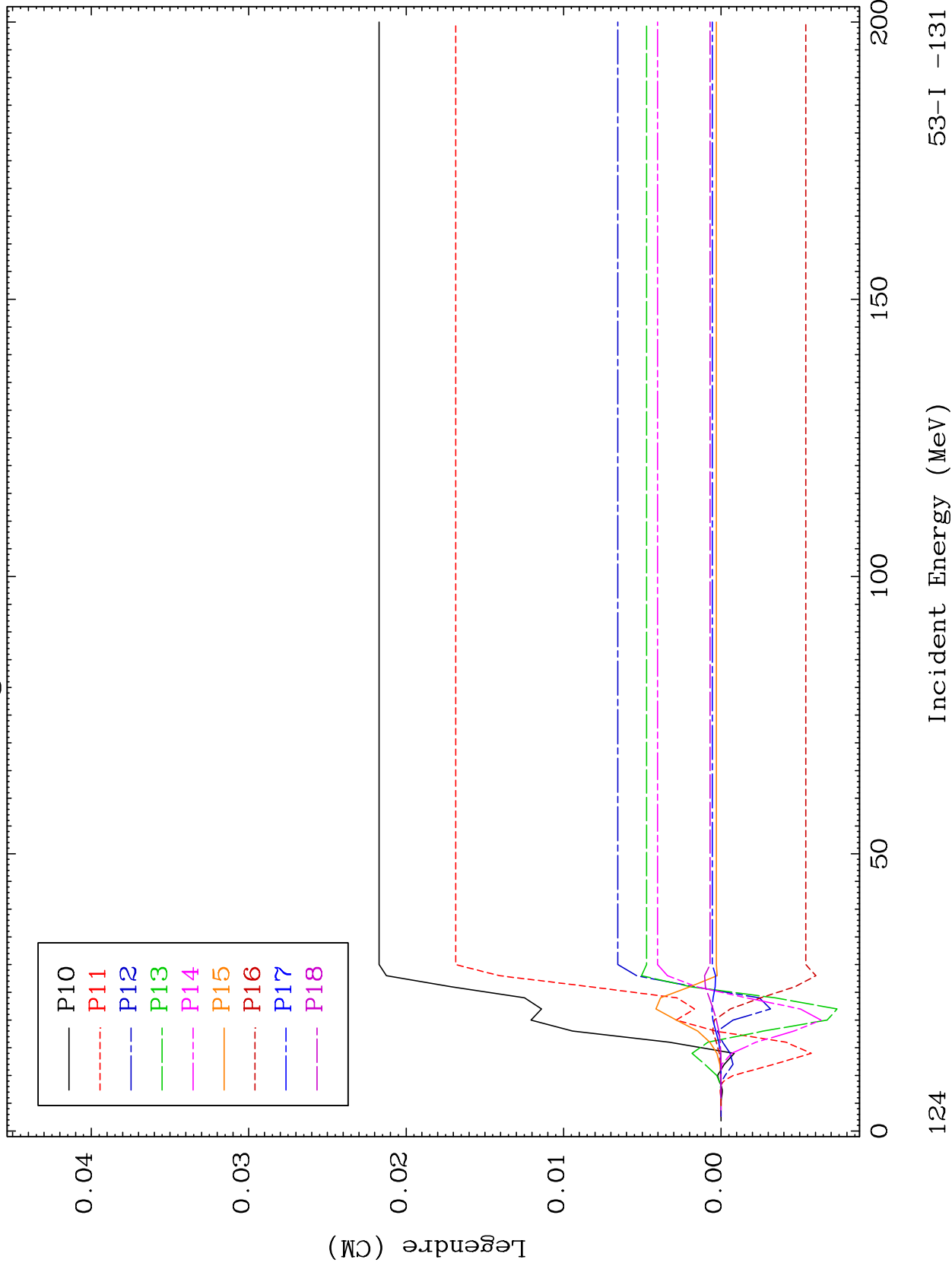
53-I -131



53-I -131

Incident Energy (MeV)

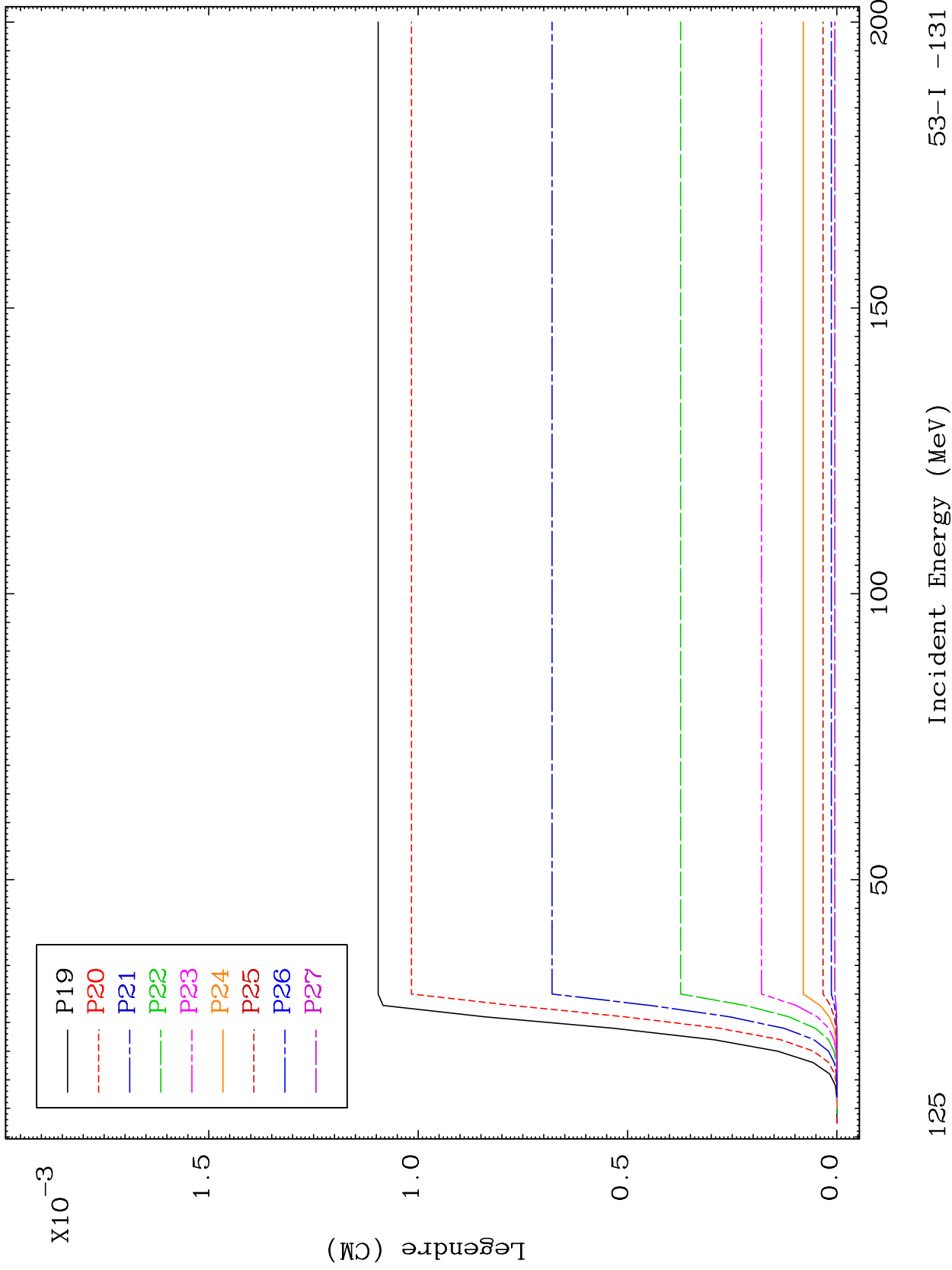
123



MAT 5337

1.677 MeV (n,n') Level  
Legendre Coefficients

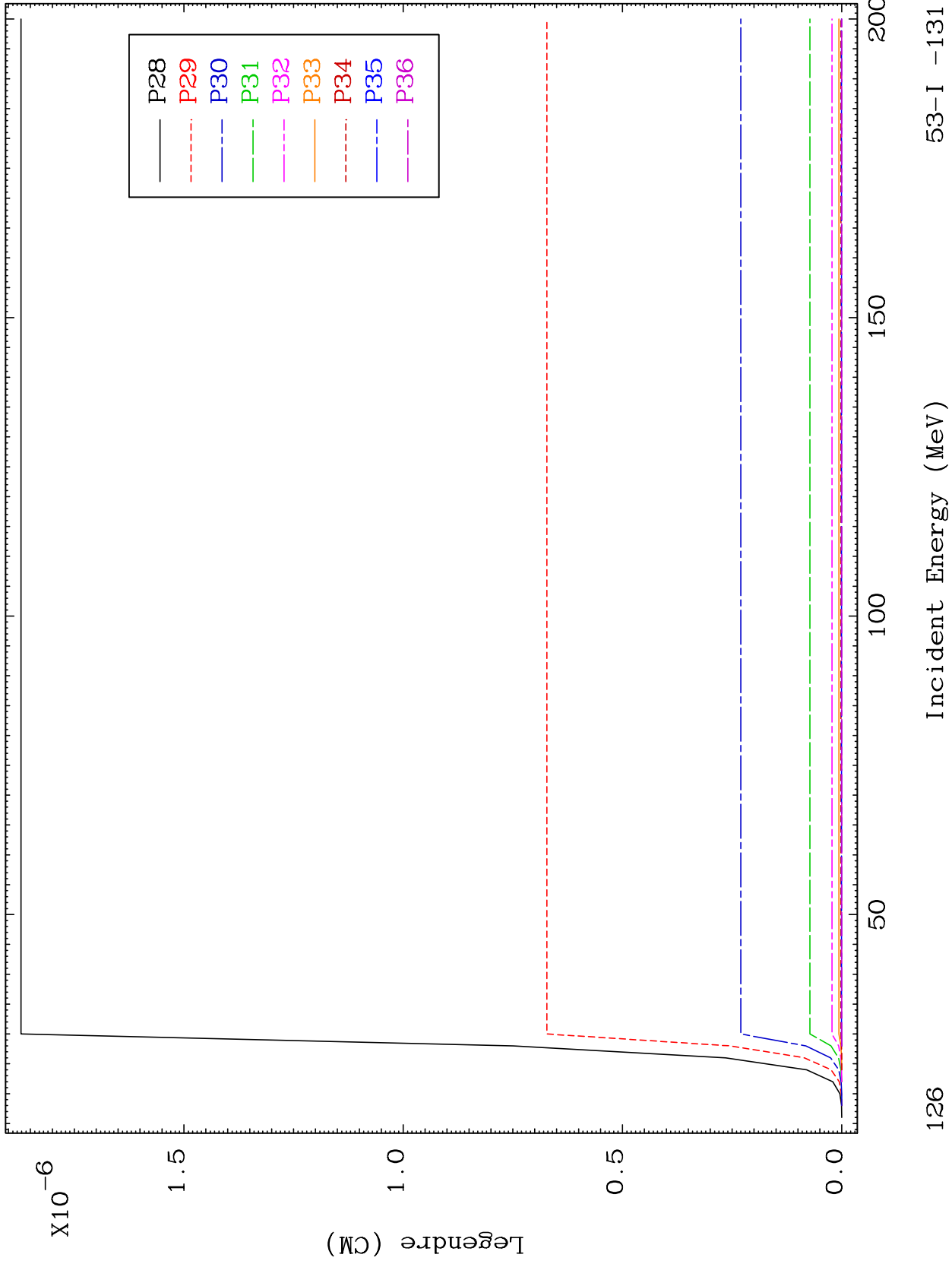
53-I -131



MAT 5337

1.677 MeV (n,n') Level  
Legendre Coefficients

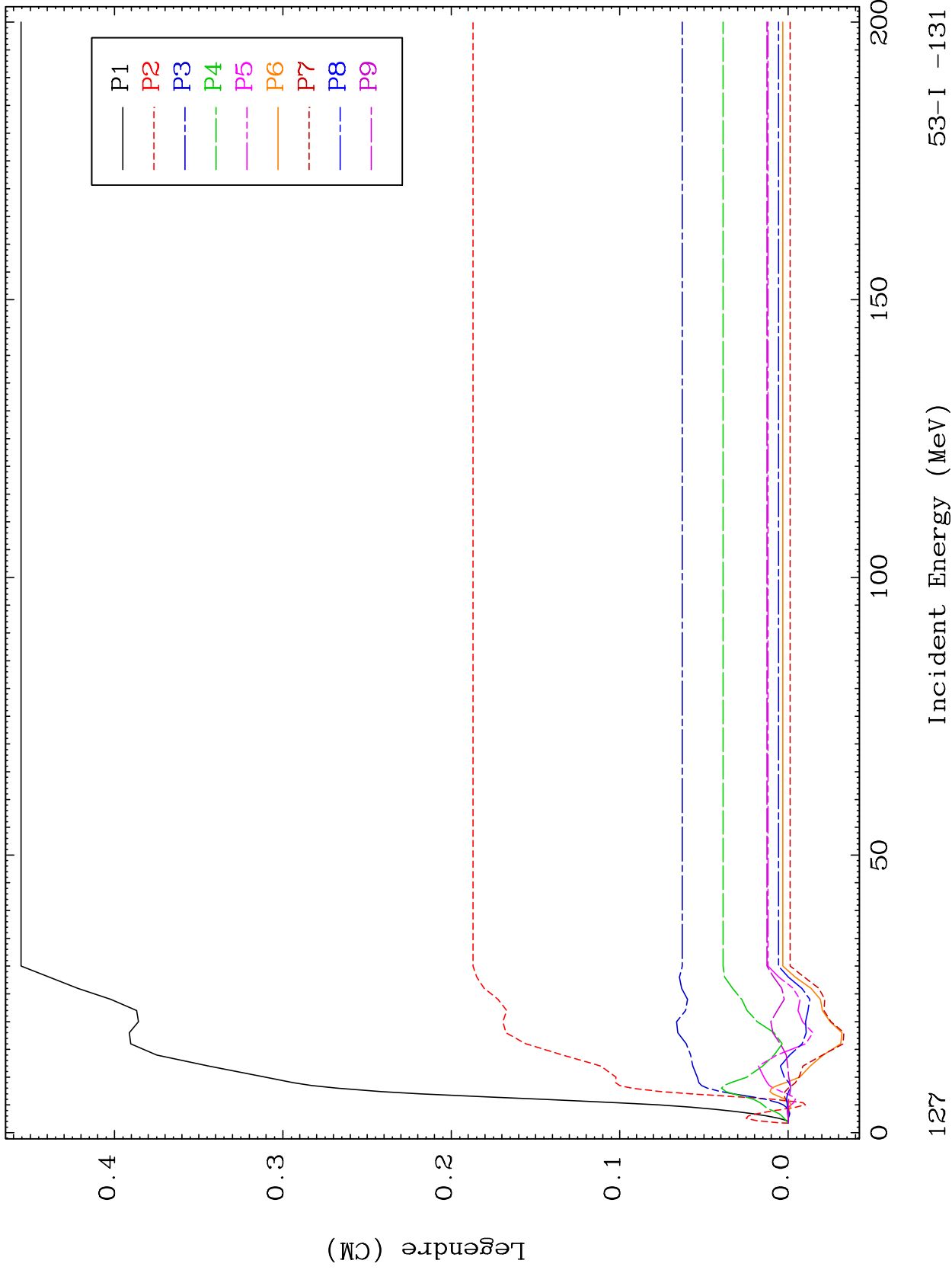
53-I -131



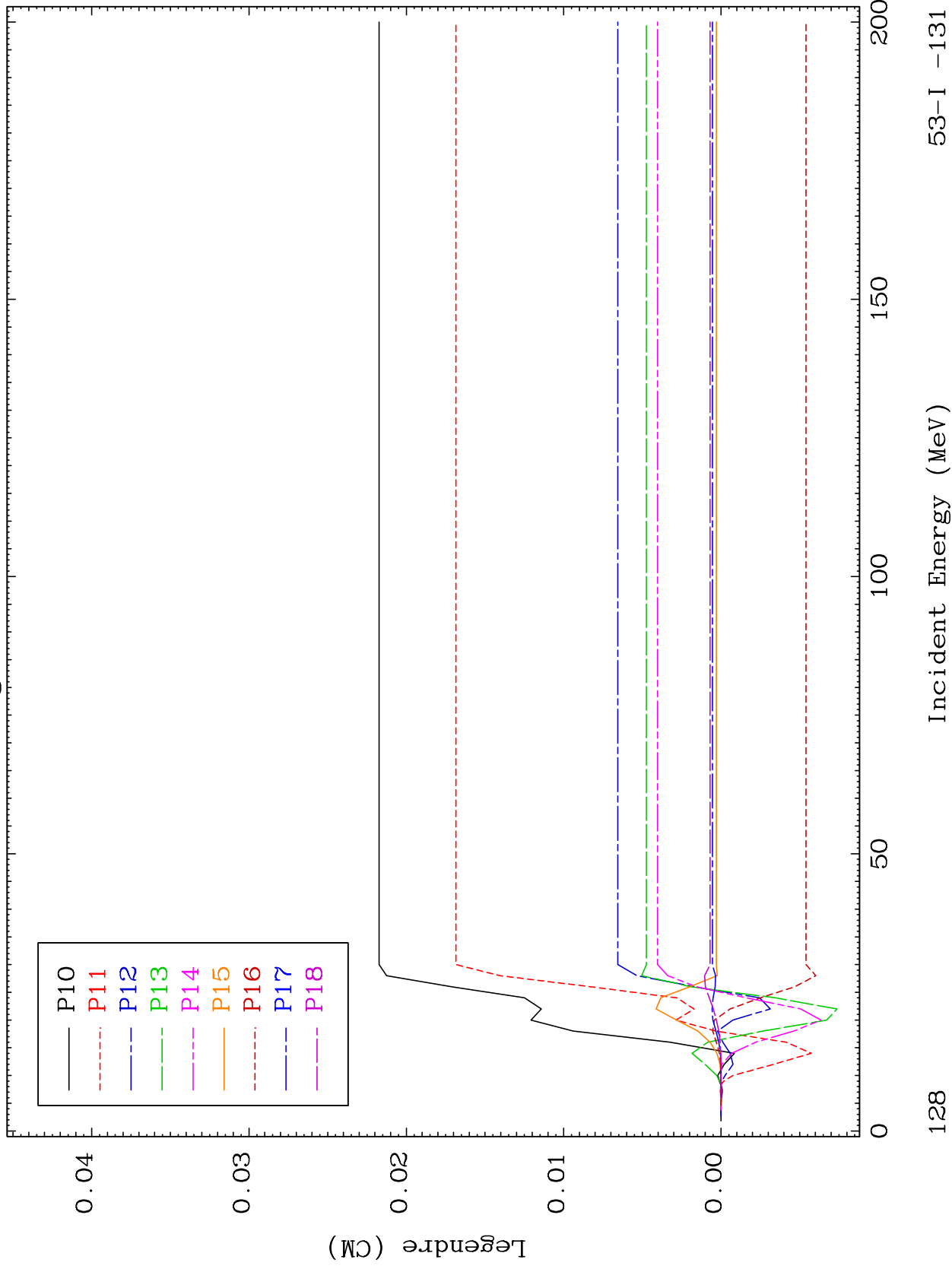
126

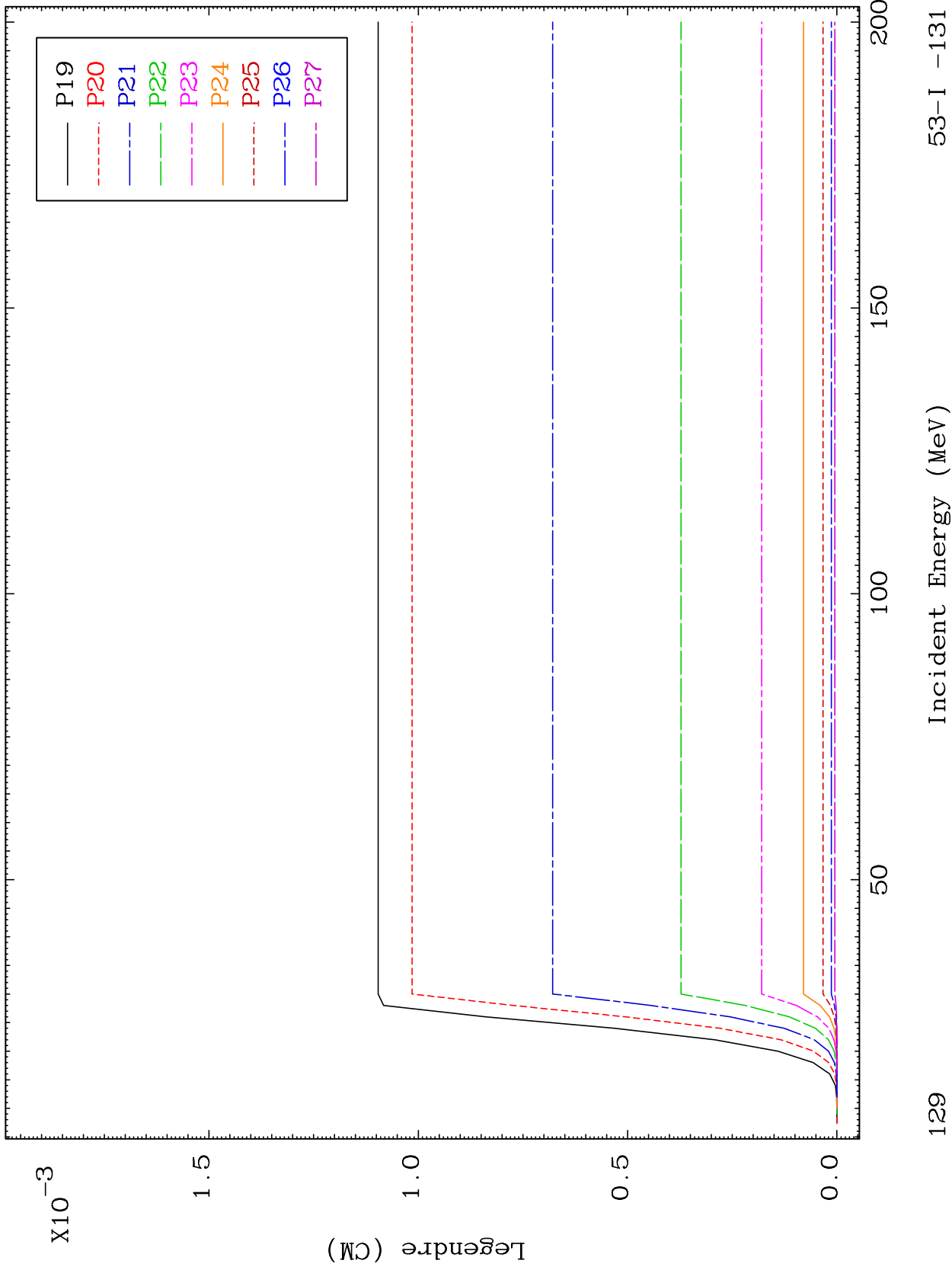
Incident Energy (MeV)

53-I -131





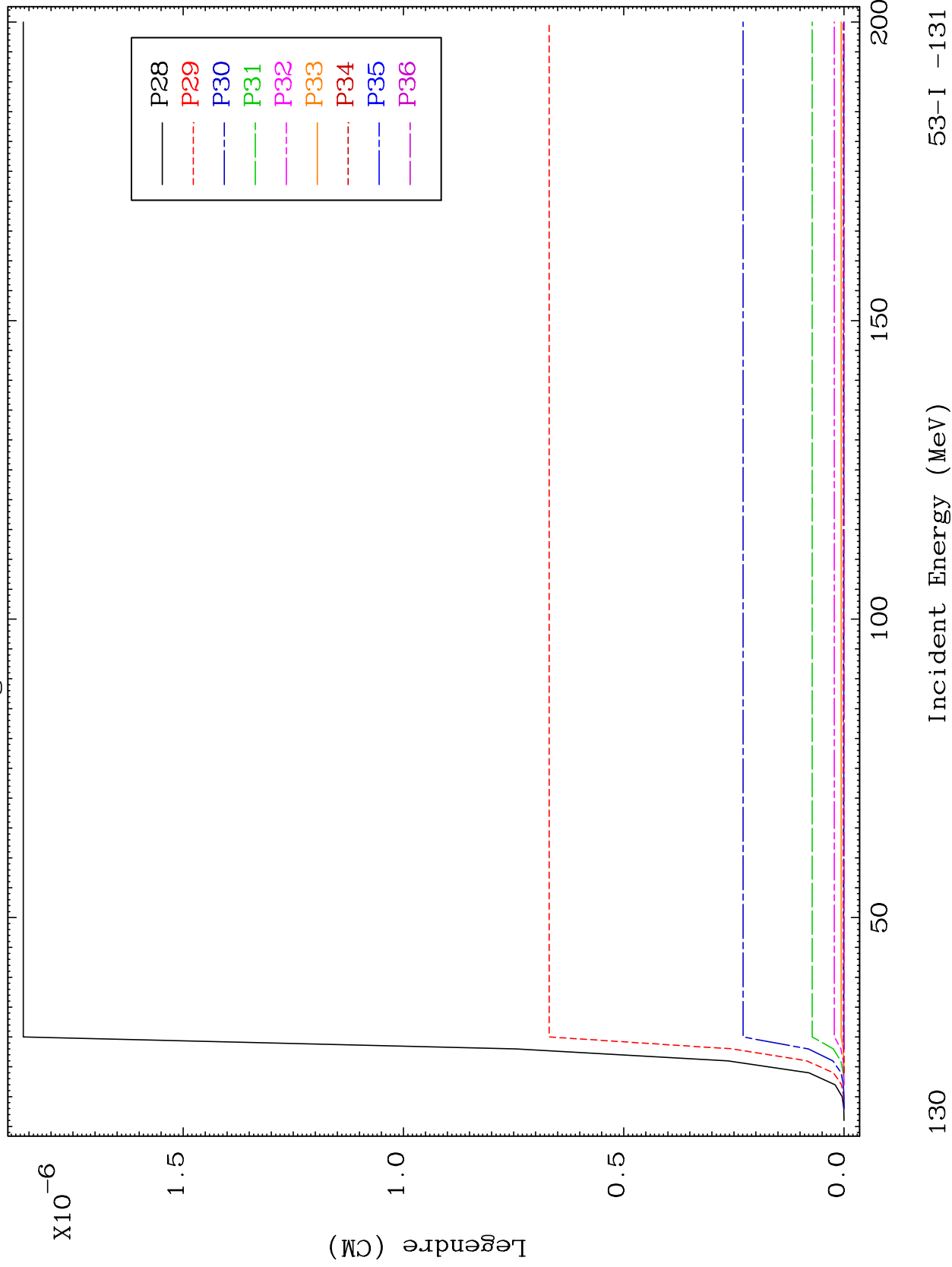




MAT 5337

1.697 MeV (n,n') Level  
Legendre Coefficients

53-I -131



130

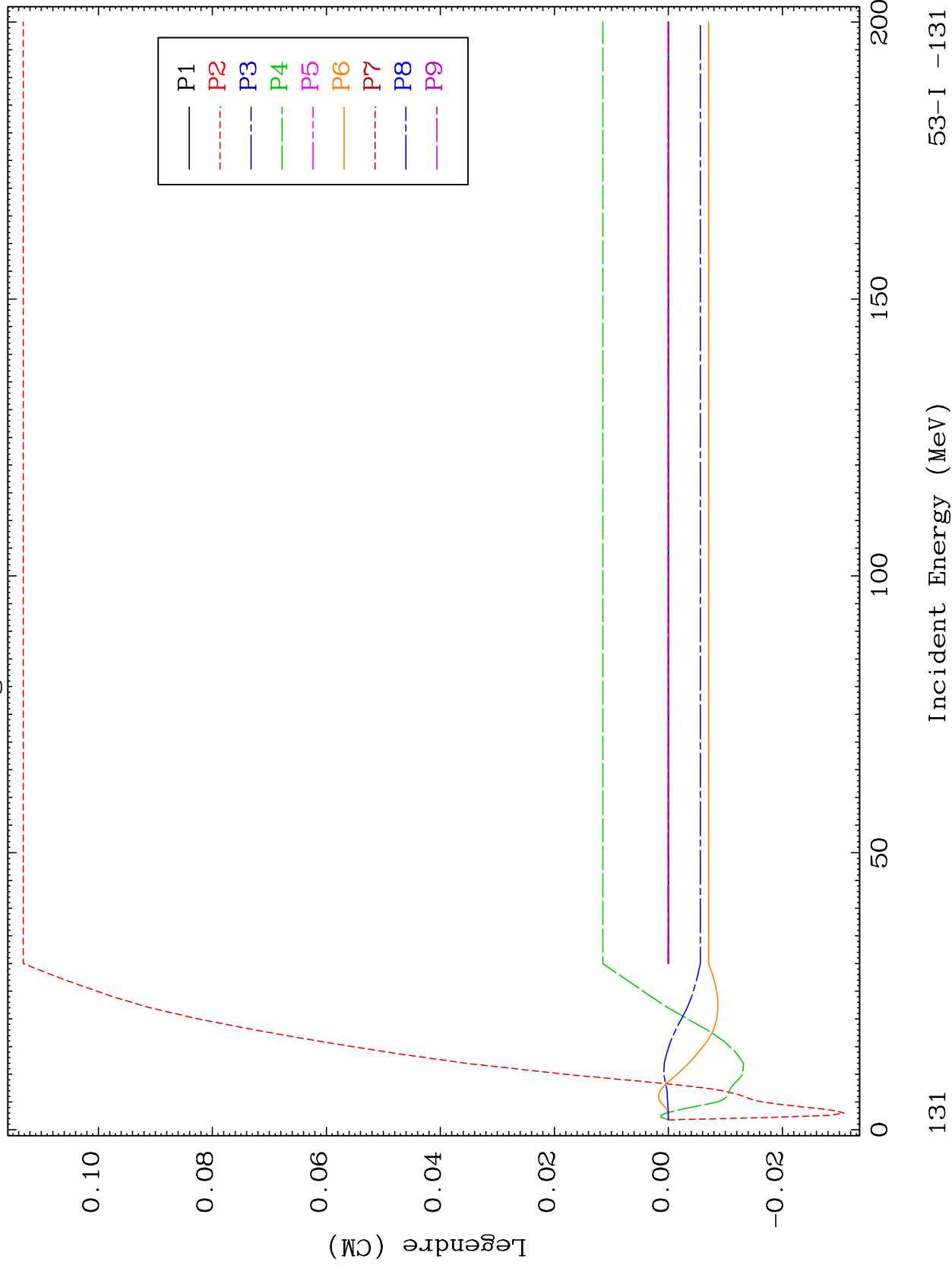
Incident Energy (MeV)

53-I -131

MAT 5337

1.718 MeV (n,n') Level  
Legendre Coefficients

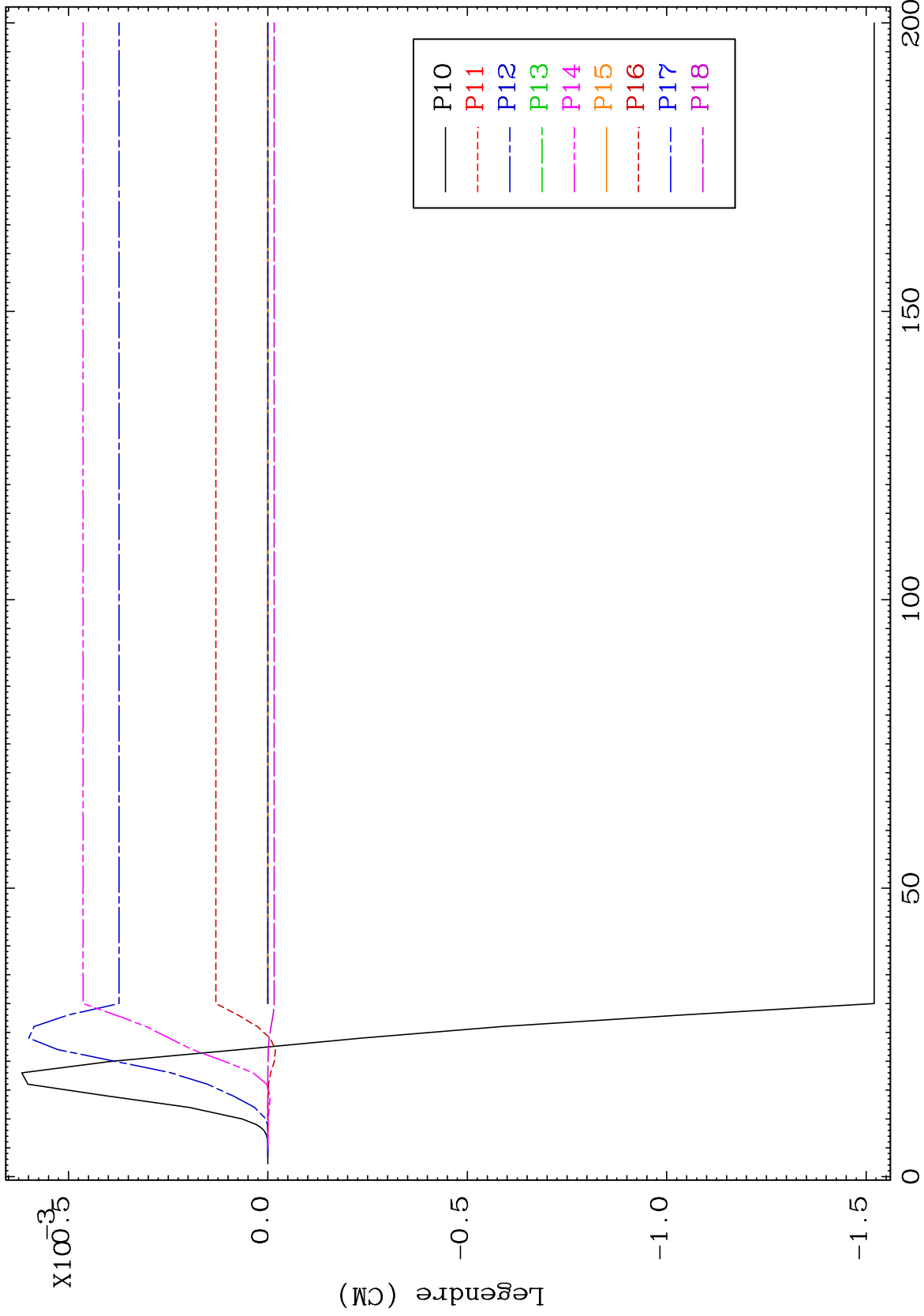
53-I -131

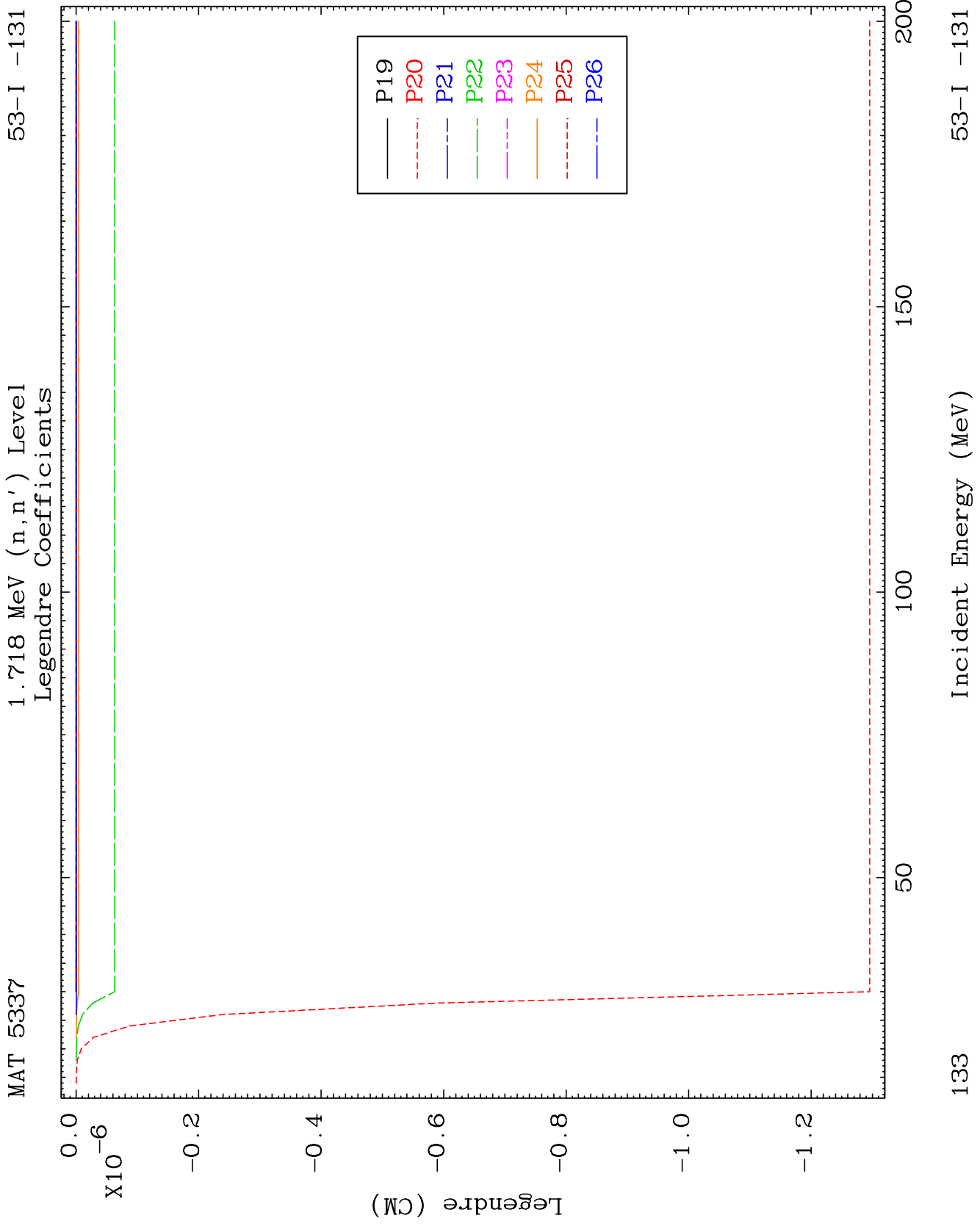


131

Incident Energy (MeV)

53-I -131

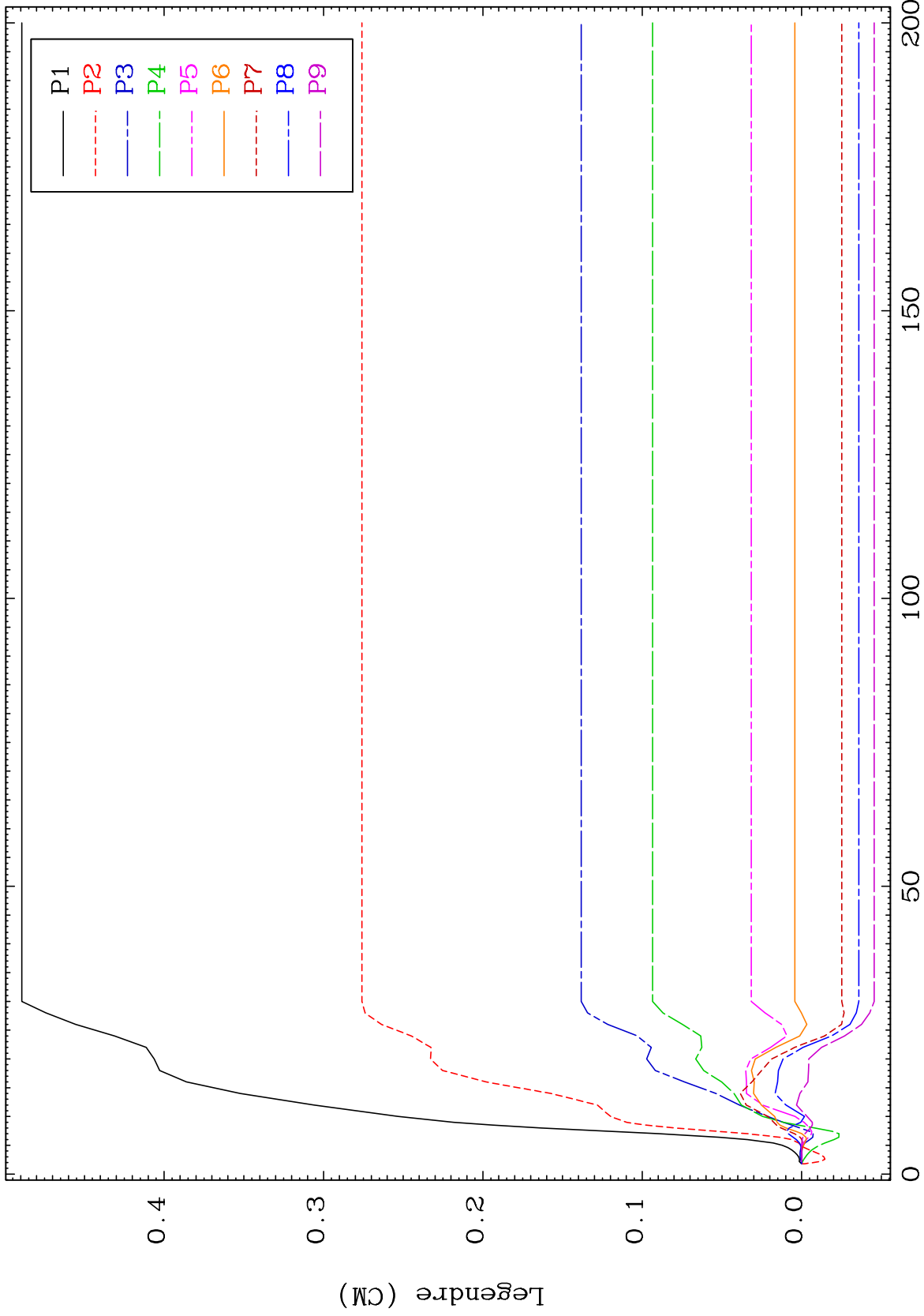




MAT 5337

1.758 MeV (n,n') Level  
Legendre Coefficients

53-I -131



134

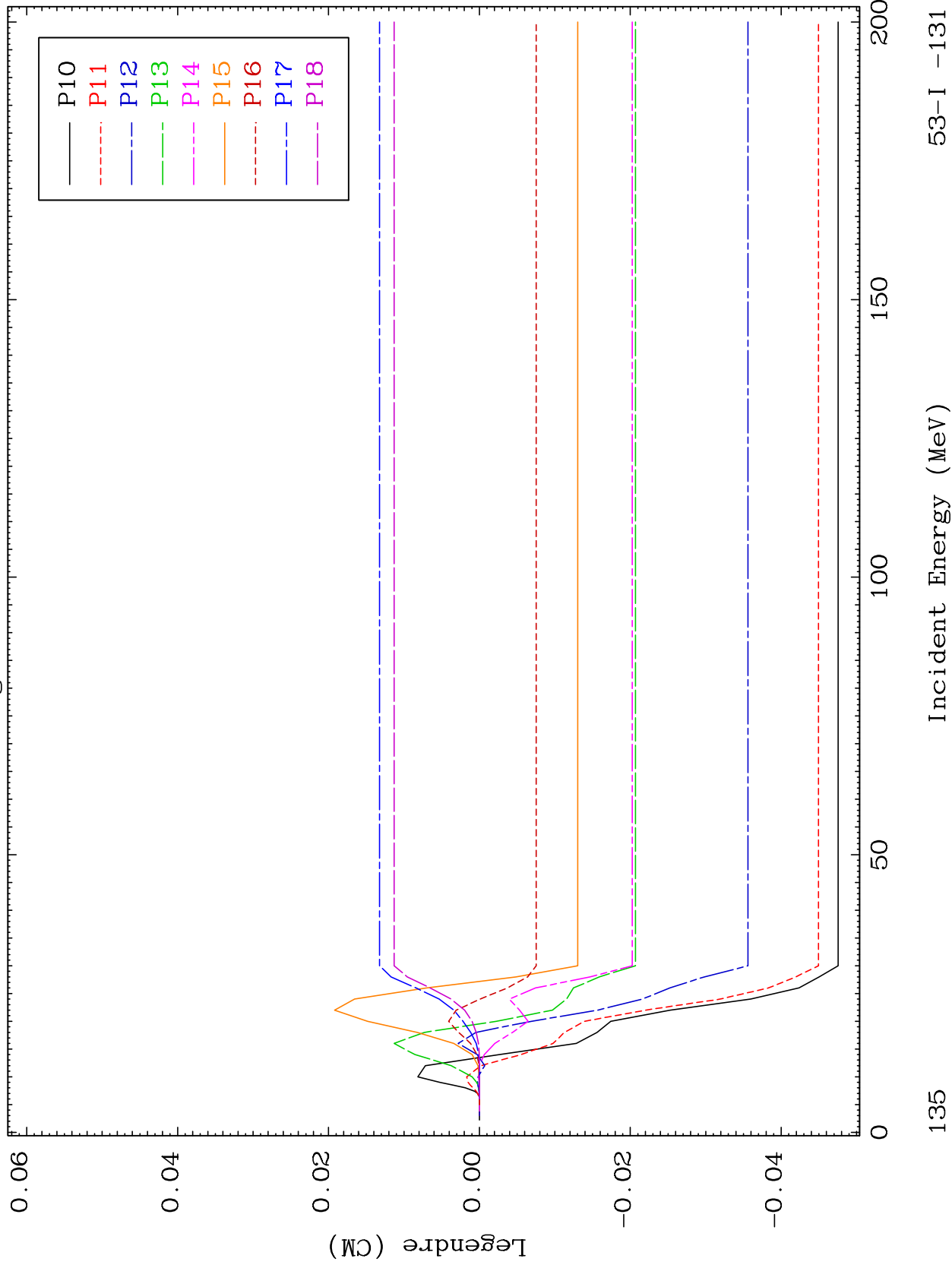
Incident Energy (MeV)

53-I -131

MAT 5337

1.758 MeV (n,n') Level  
Legendre Coefficients

53-I -131

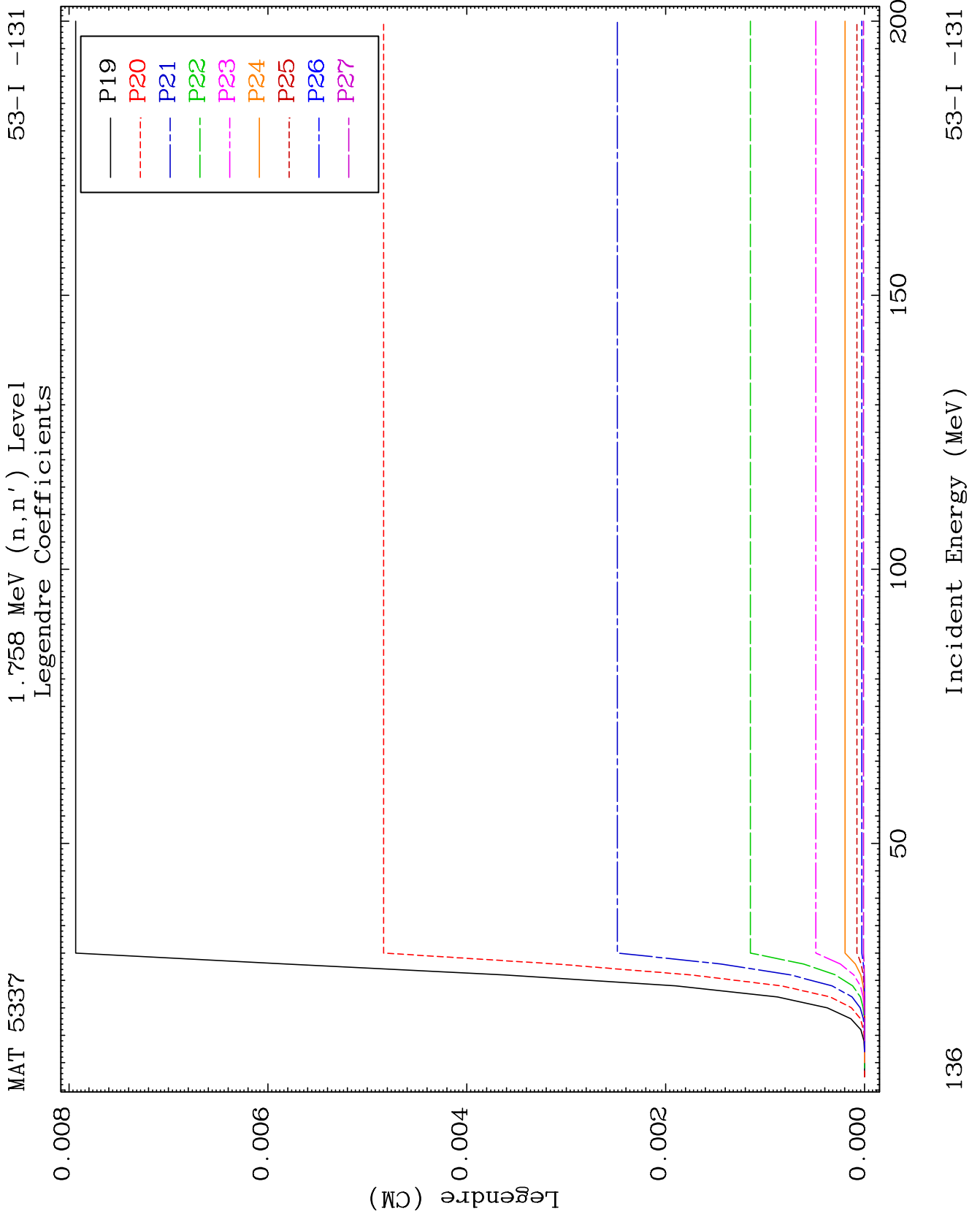


135

Incident Energy (MeV)

53-I -131

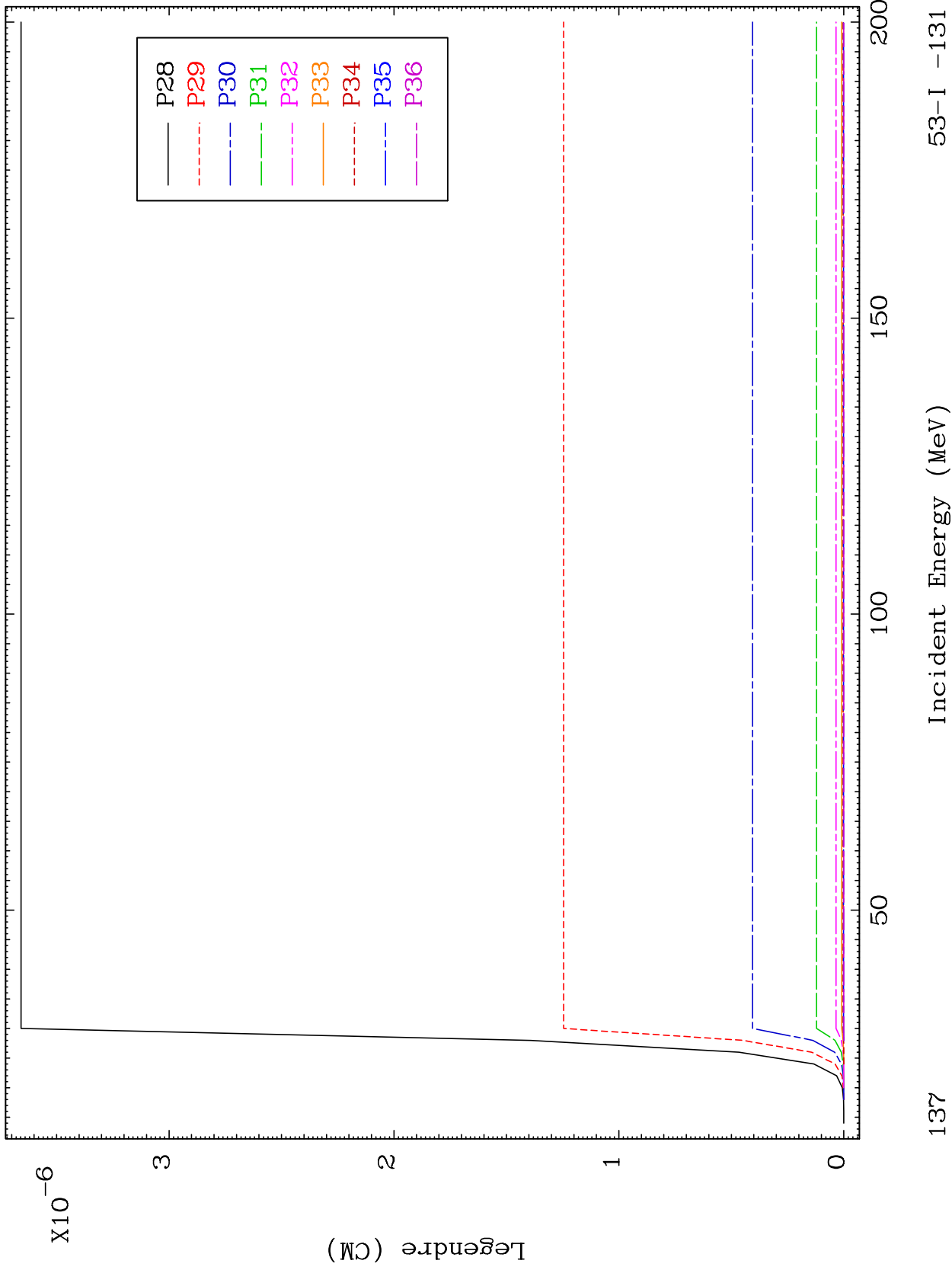




MAT 5337

1.758 MeV (n,n') Level  
Legendre Coefficients

53-I -131

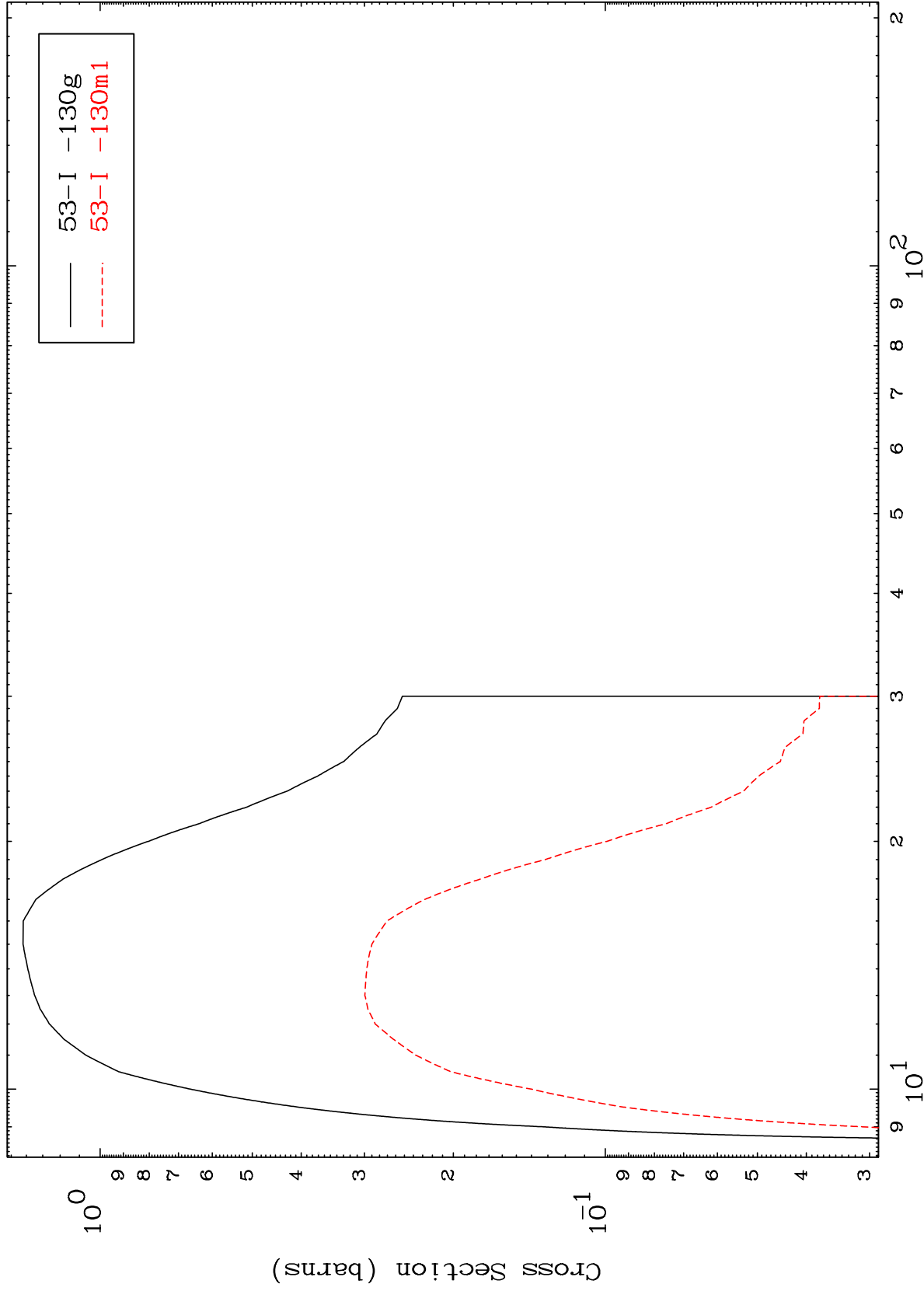


MAT 5337

(n,2n)

53-I -131

Radionuclide Production Cross Section

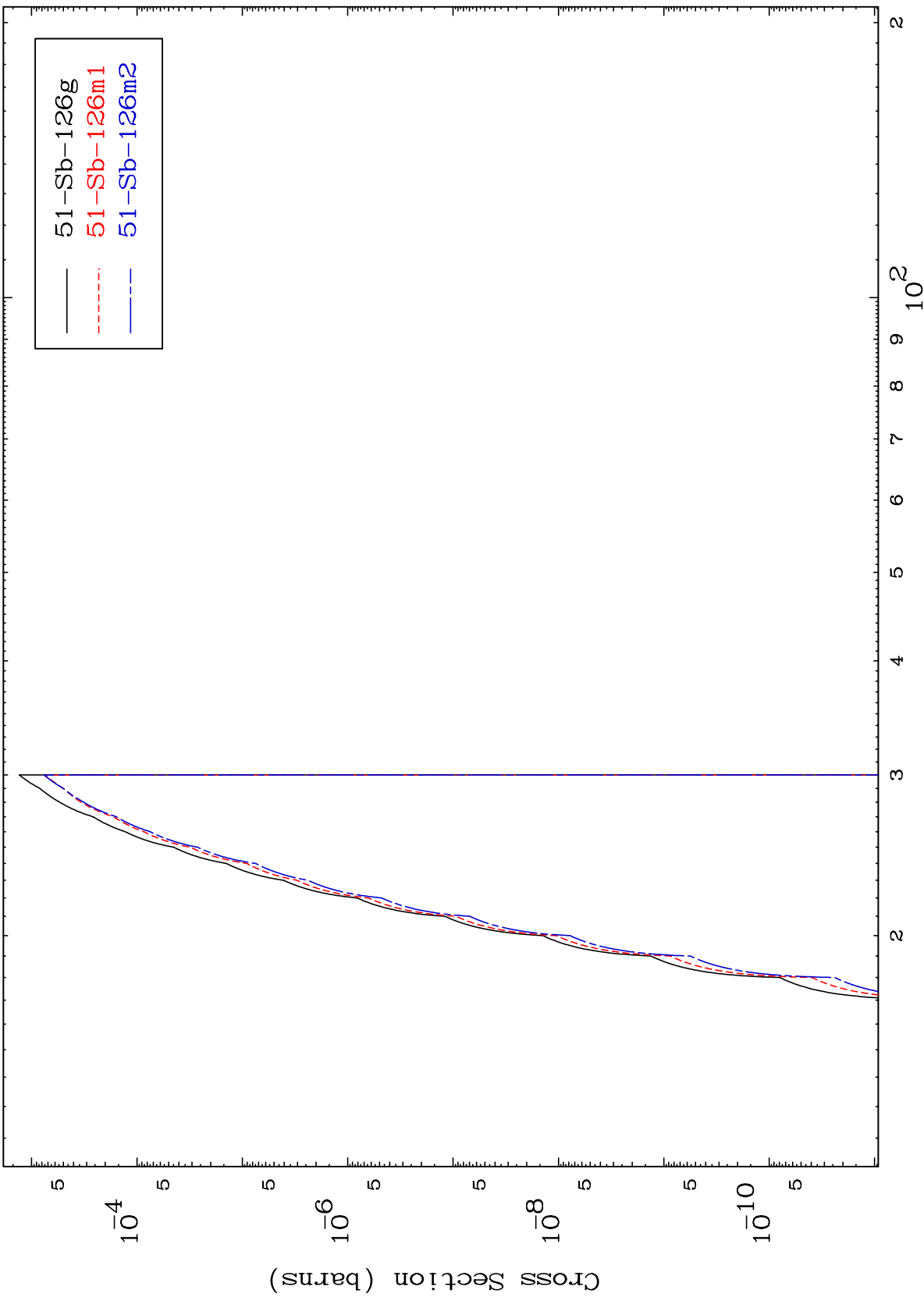


138

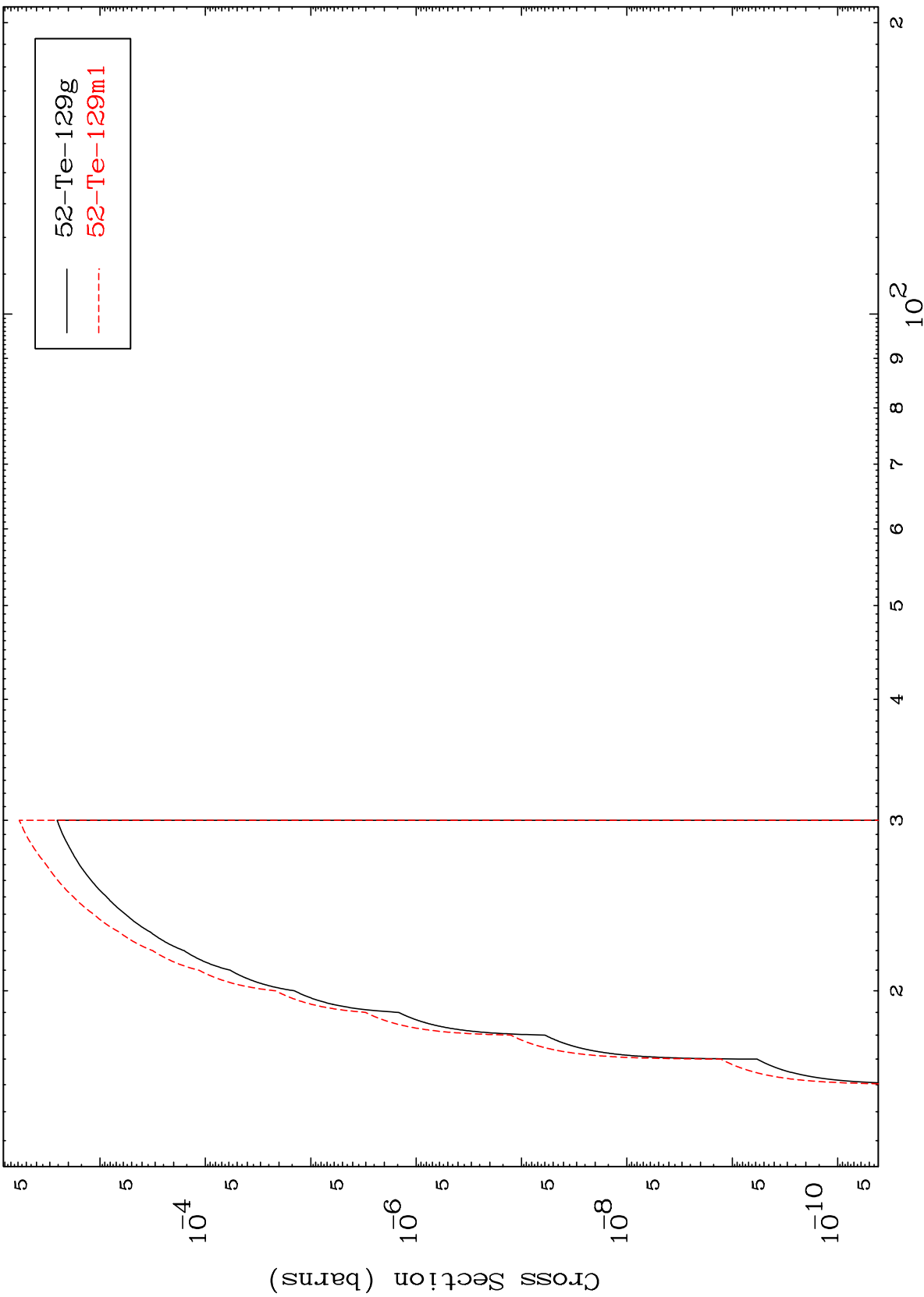
Incident Energy (MeV)

53-I -131

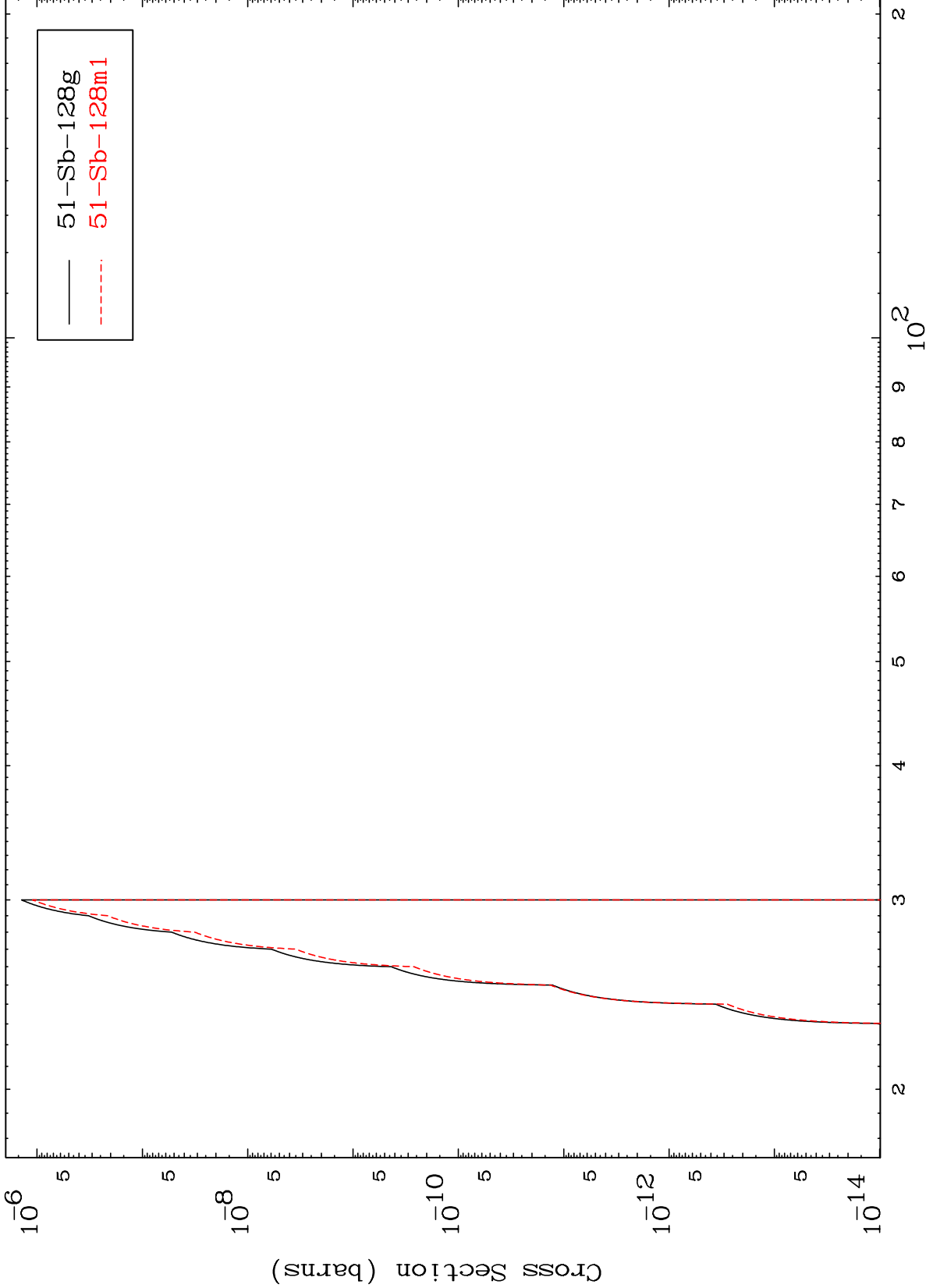
Radionuclide Production Cross Section



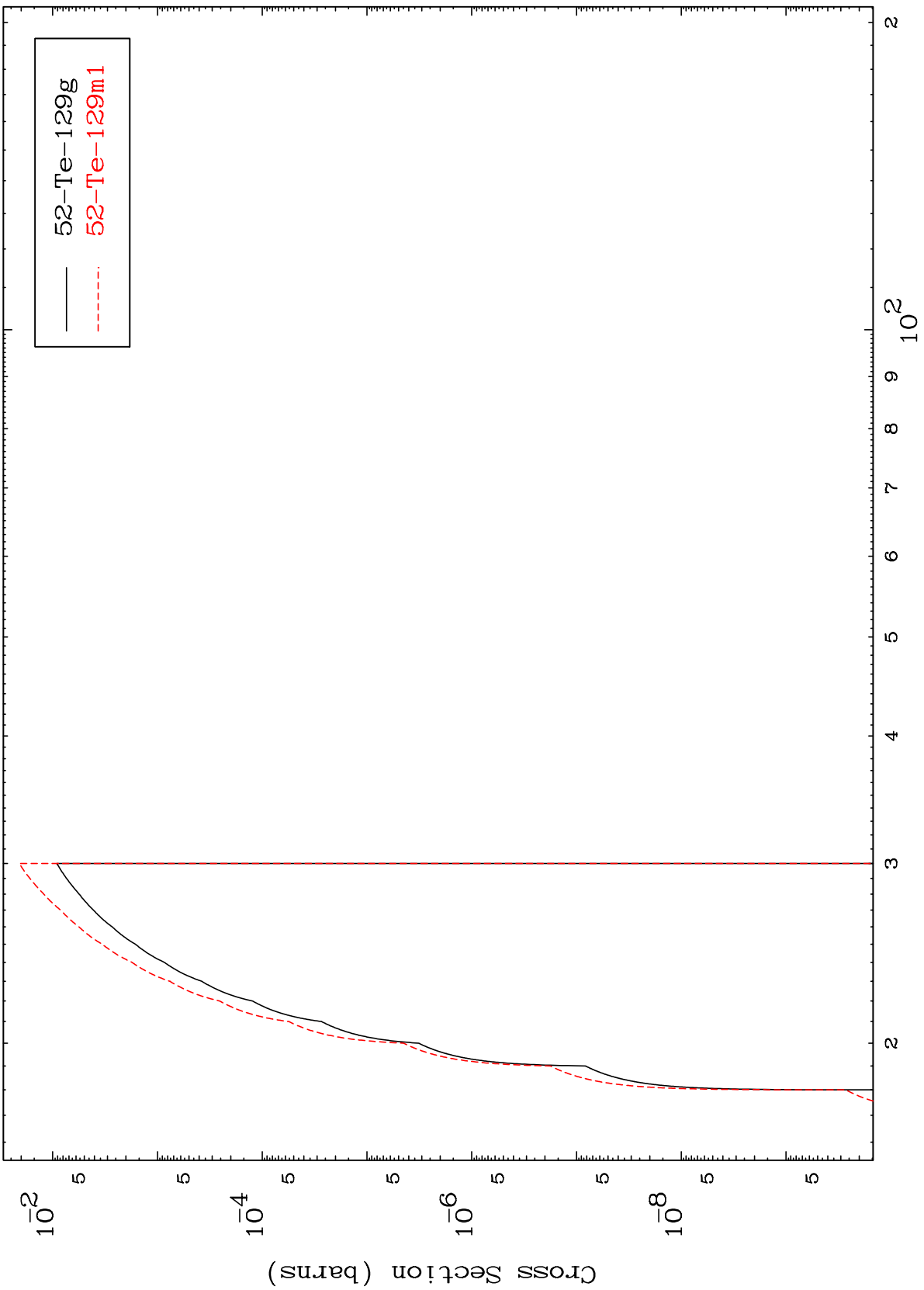
Radionuclide Production Cross Section



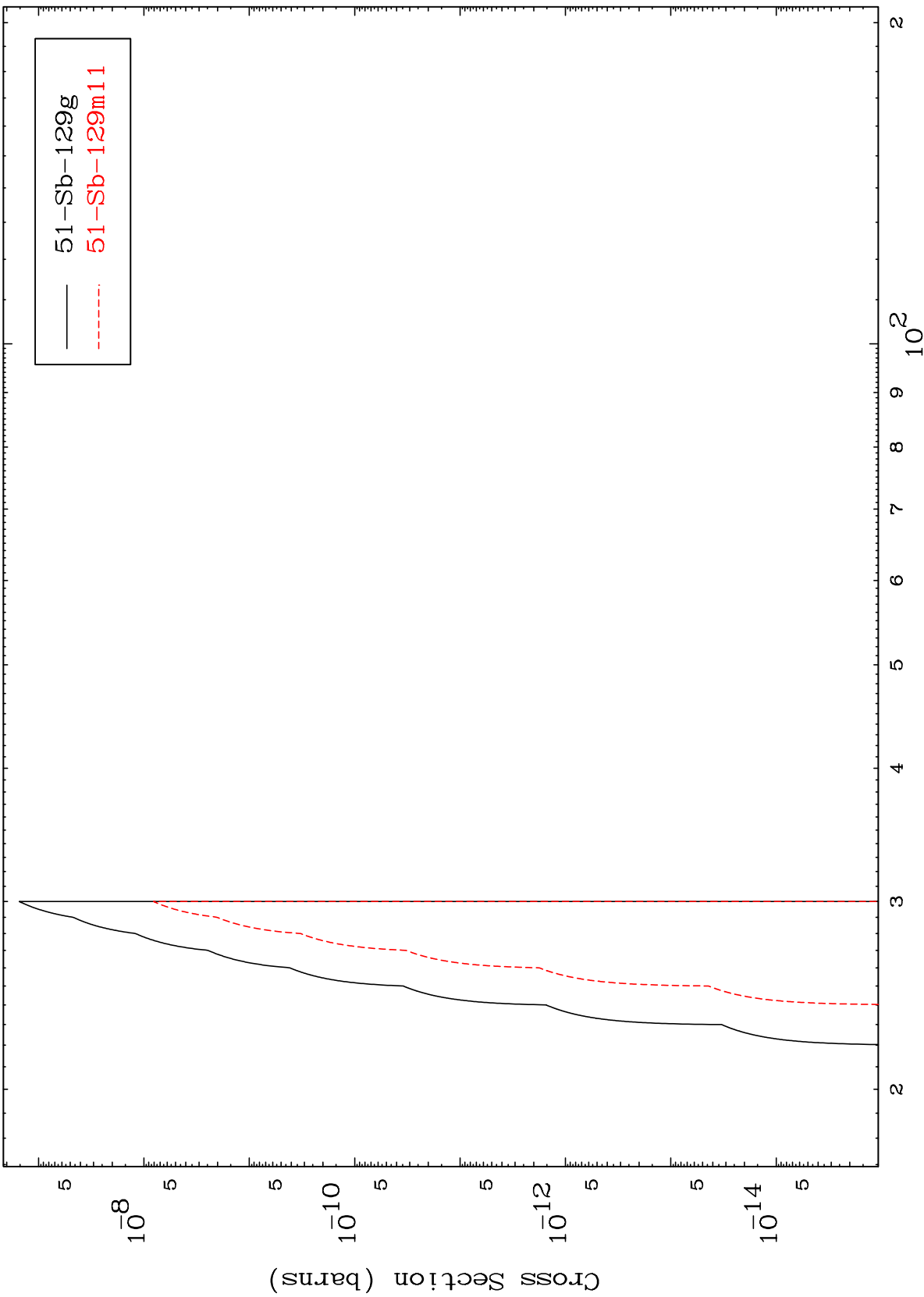
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

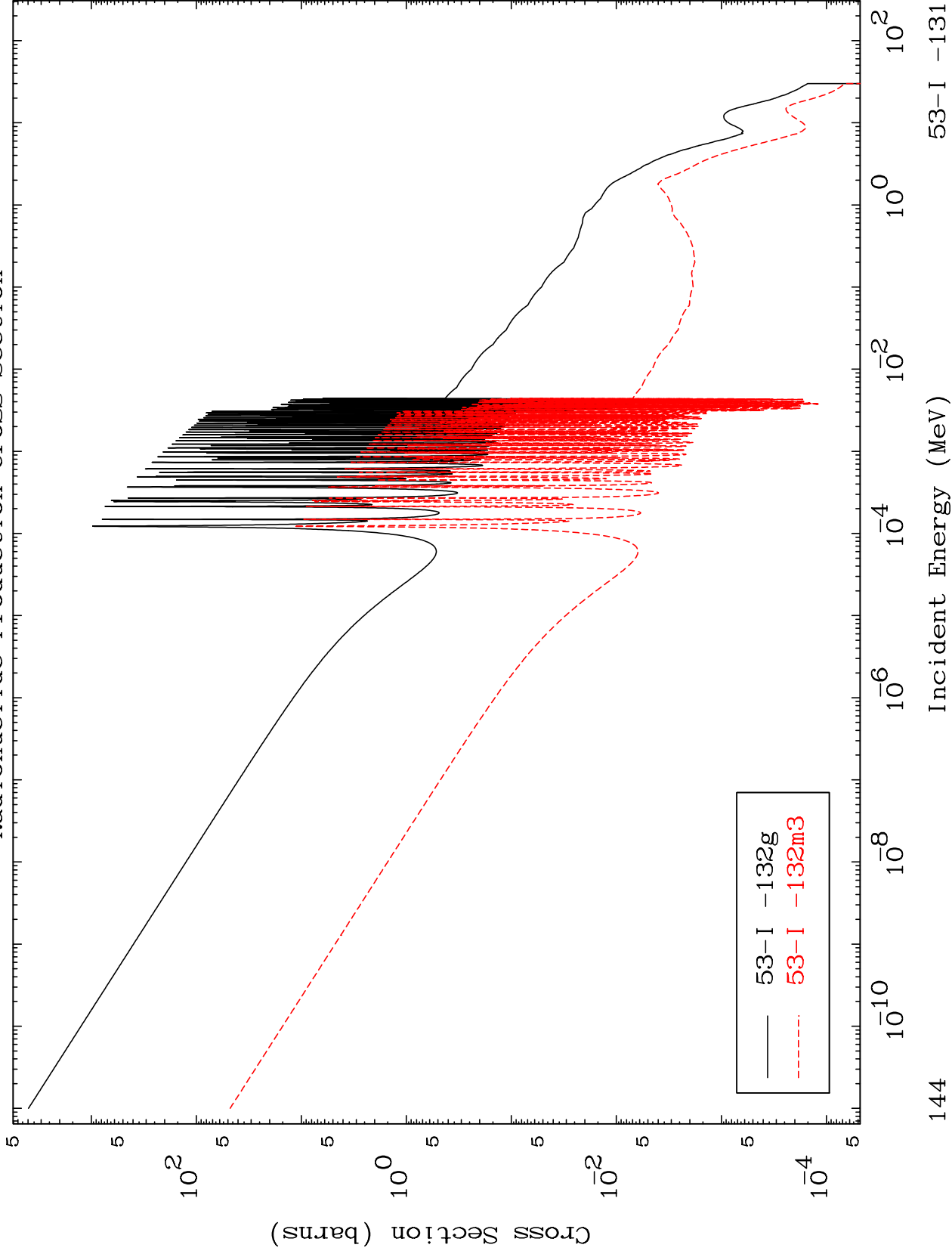




MAT 5337

53-I -131

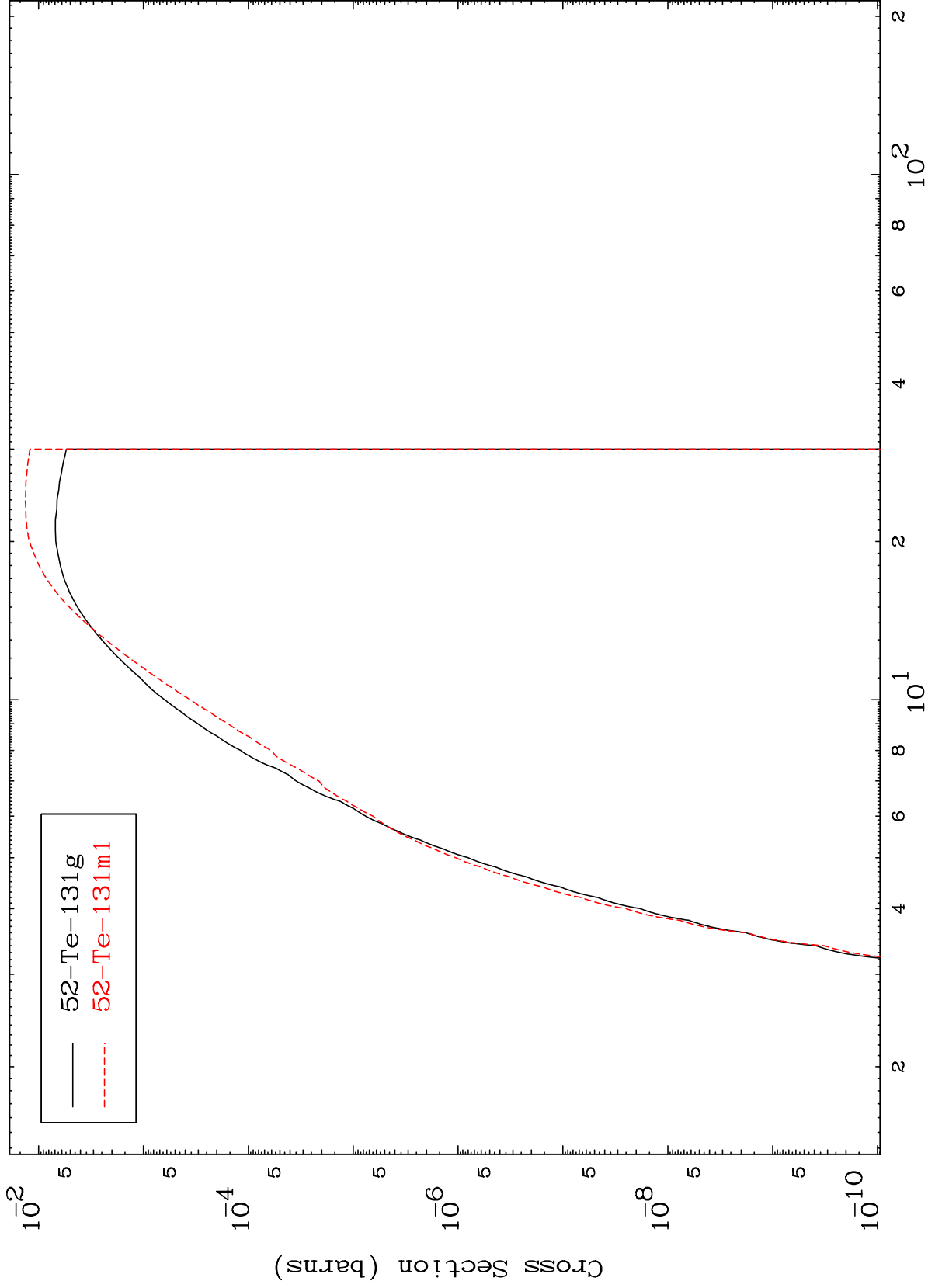
$(n,\gamma)$   
Radionuclide Production Cross Section



MAT 5337

53-I -131

Radionuclide Production Cross Section  
(n,p)

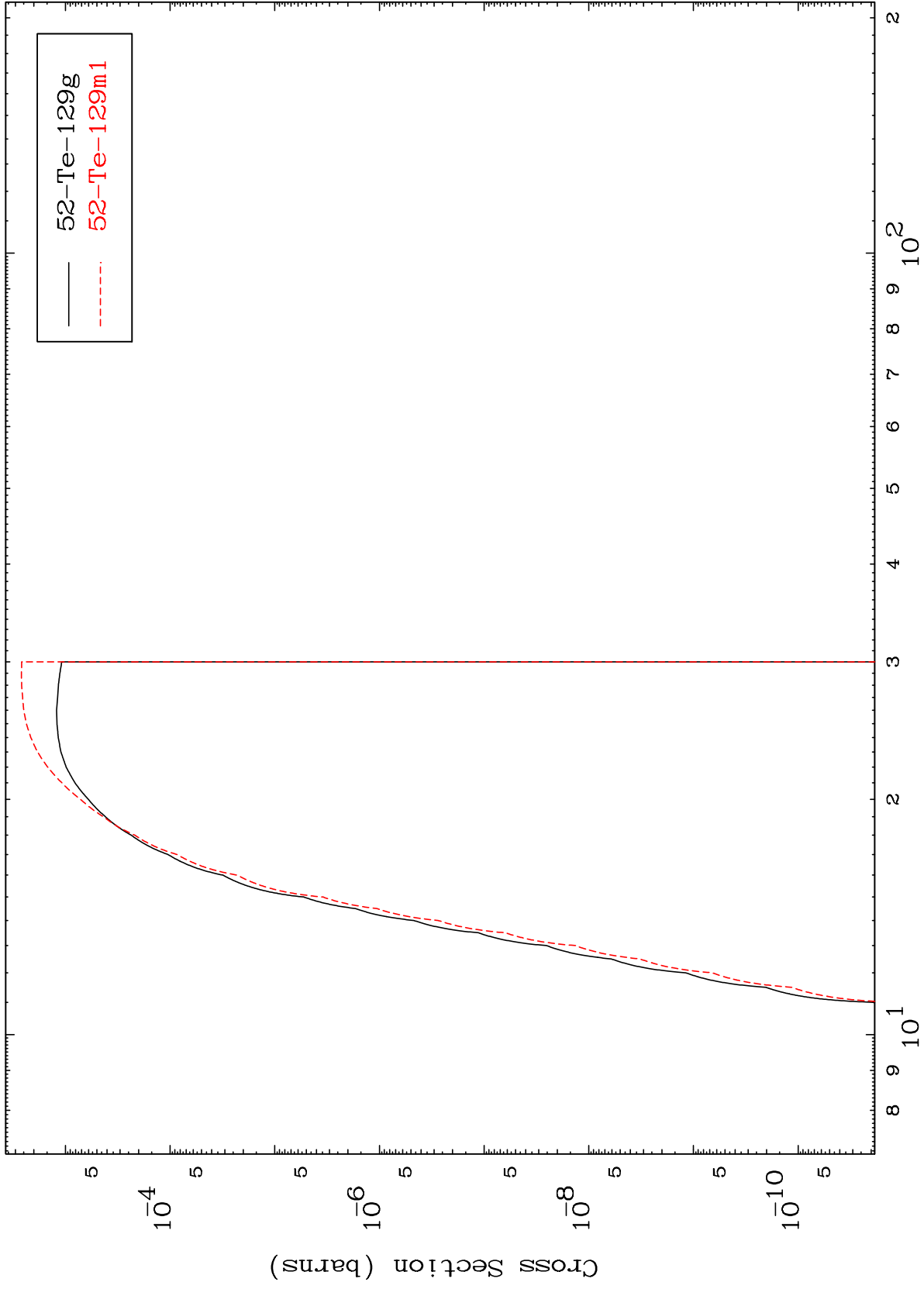


145

Incident Energy (MeV)

53-I -131

(n,t)  
Radionuclide Production Cross Section

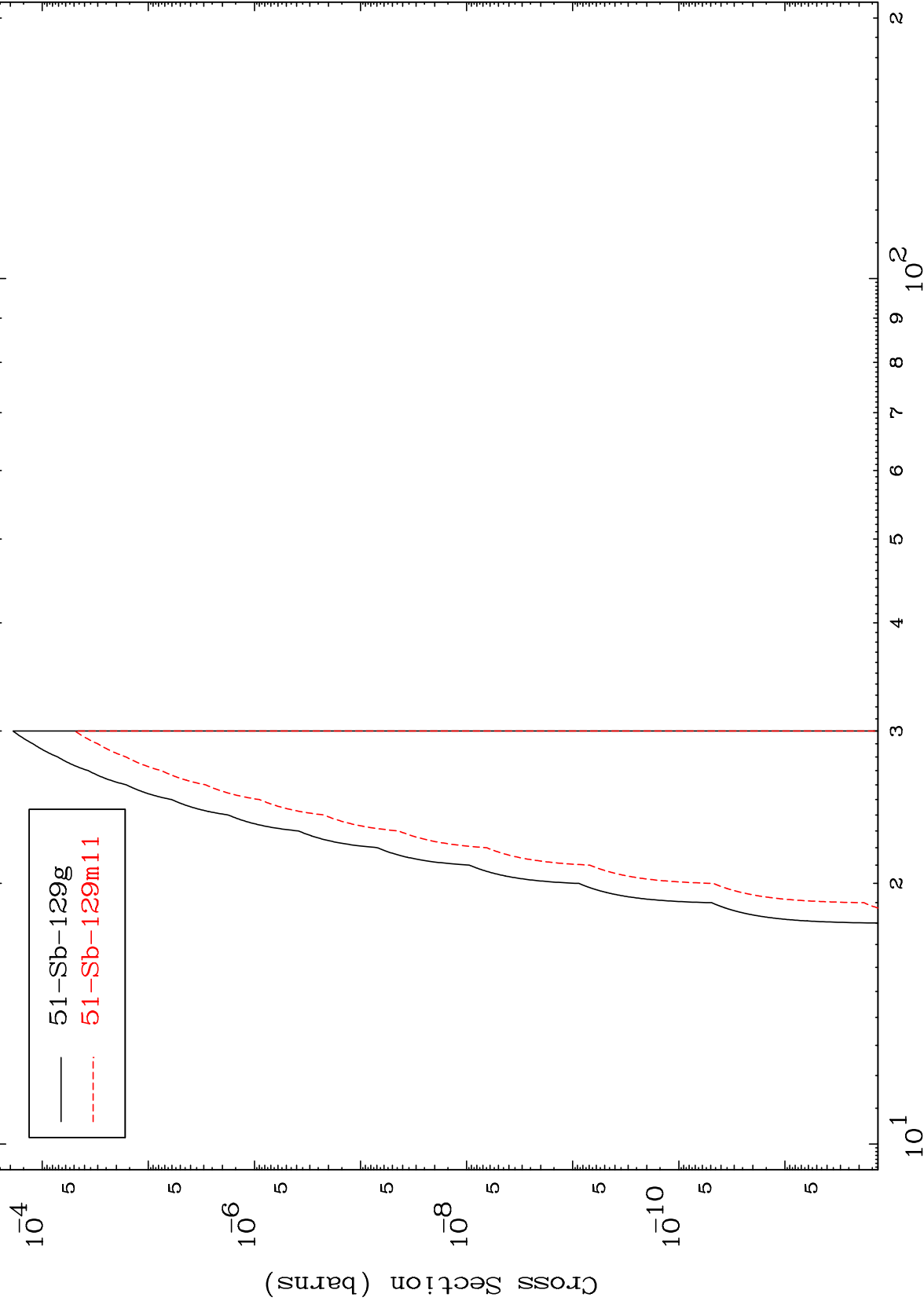


MAT 5337

(n,He-3)

53-I -131

Radionuclide Production Cross Section



147

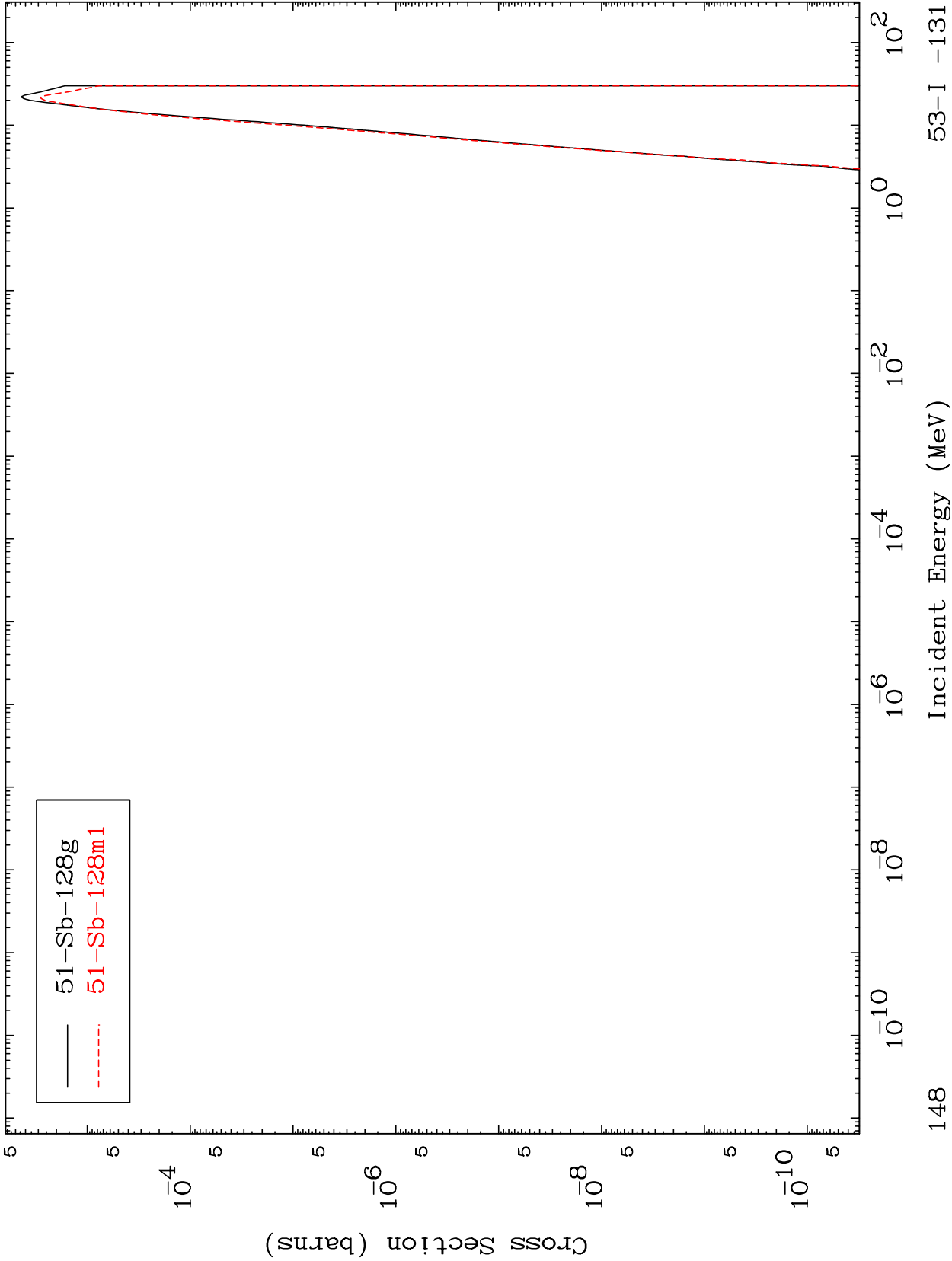
Incident Energy (MeV)

53-I -131

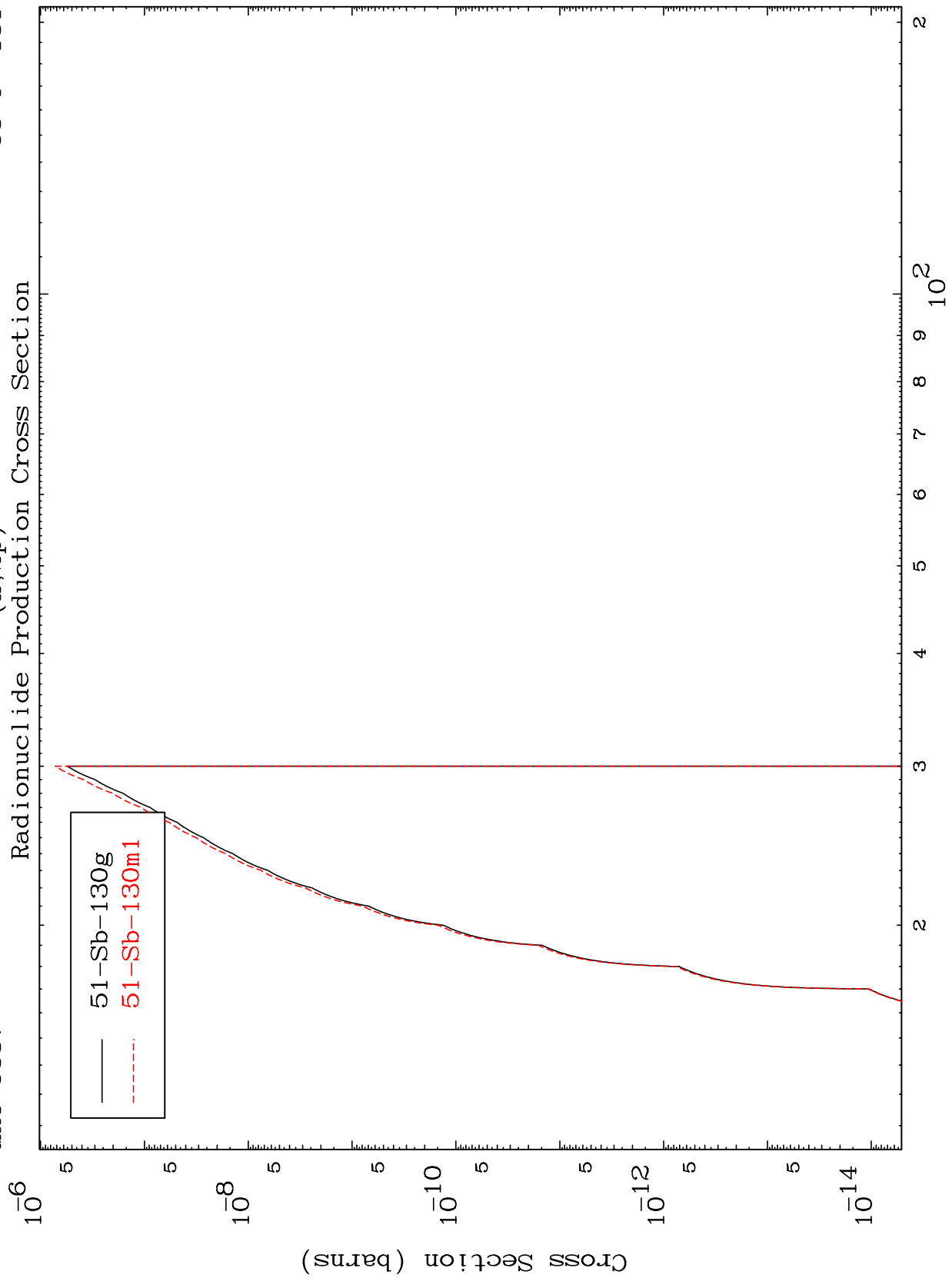
MAT 5337

53-I -131

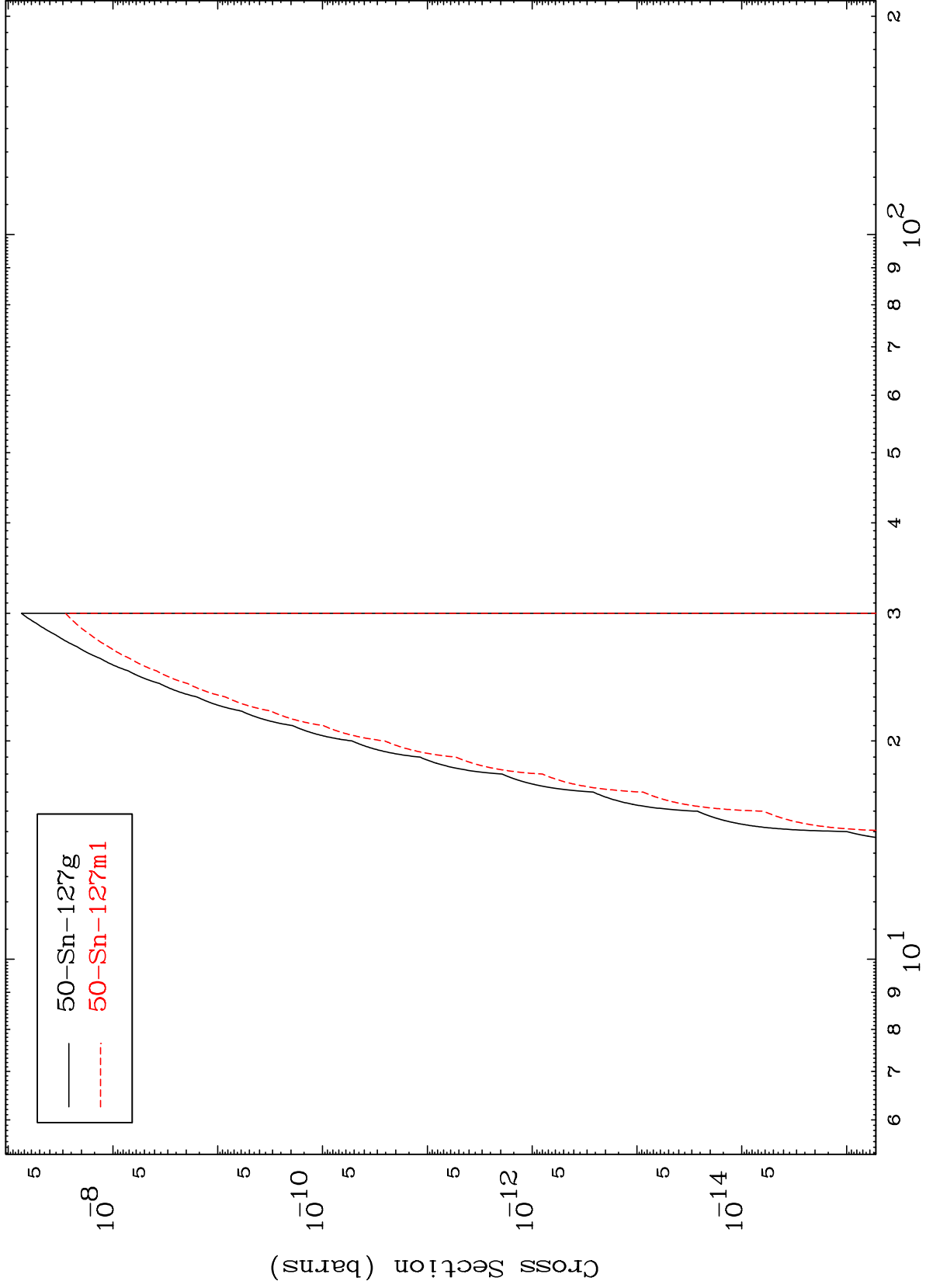
Radionuclide Production Cross Section

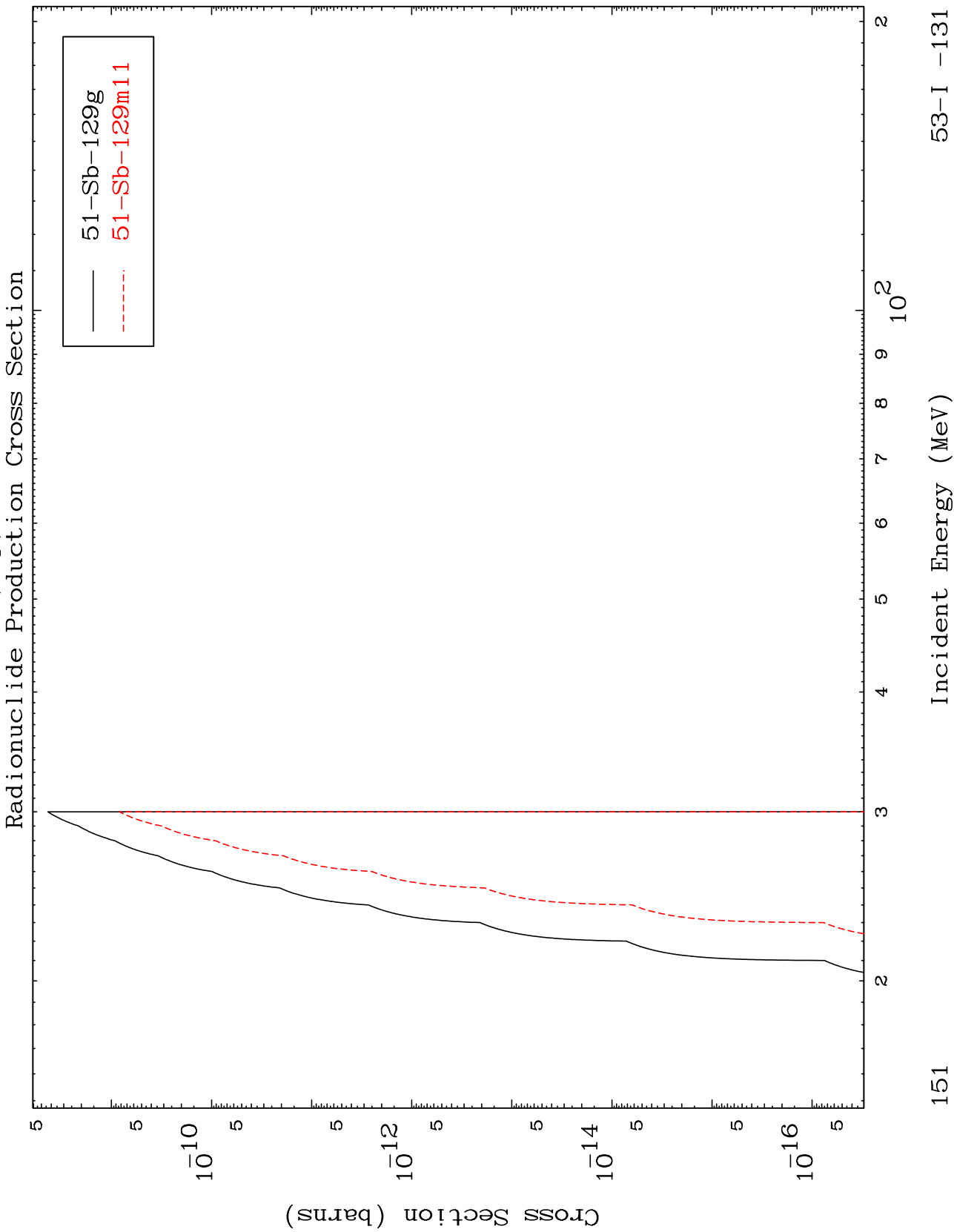


Radionuclide Production Cross Section  
(n,2p)



Radionuclide Production Cross Section







Radionuclide Production Cross Section

