

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

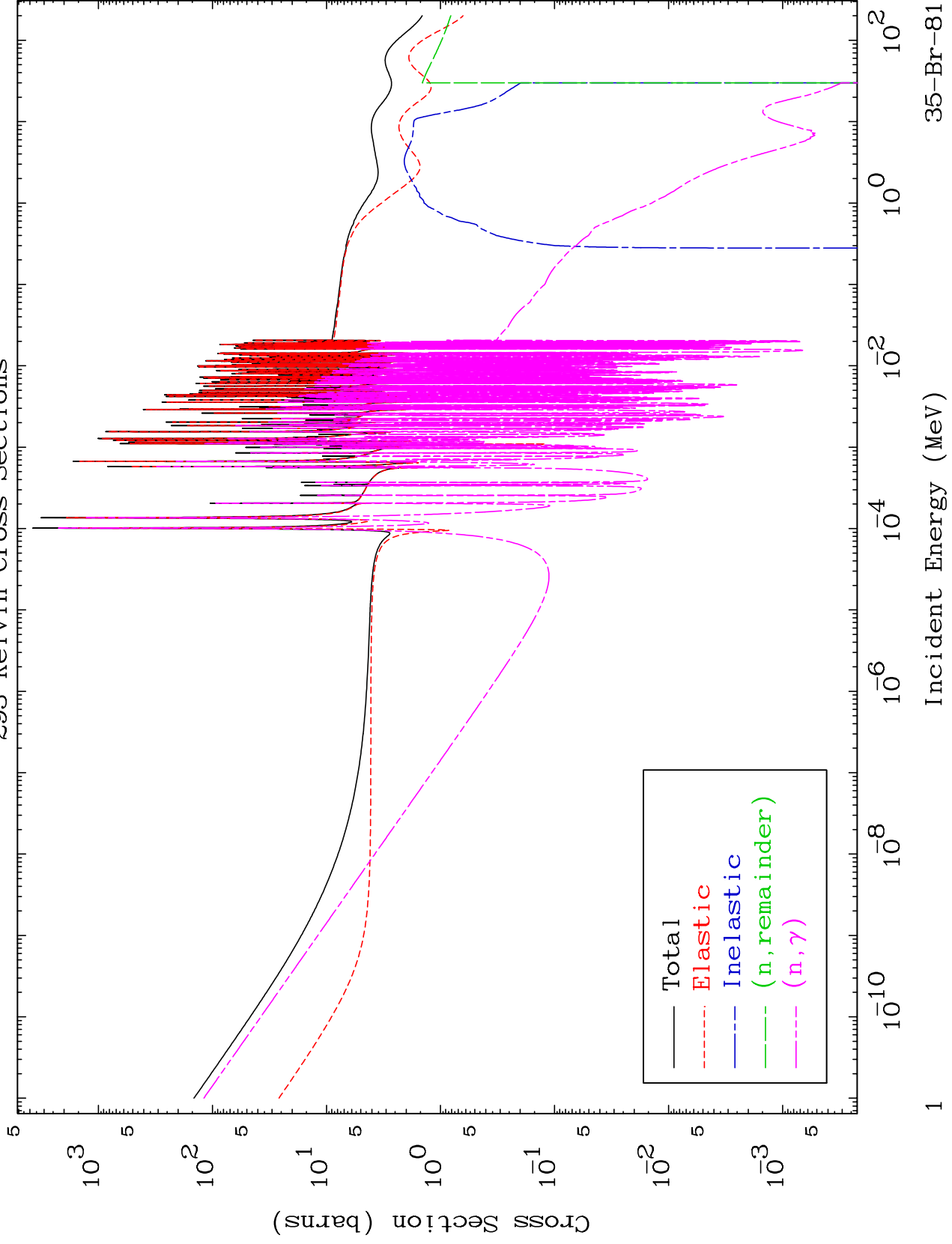
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

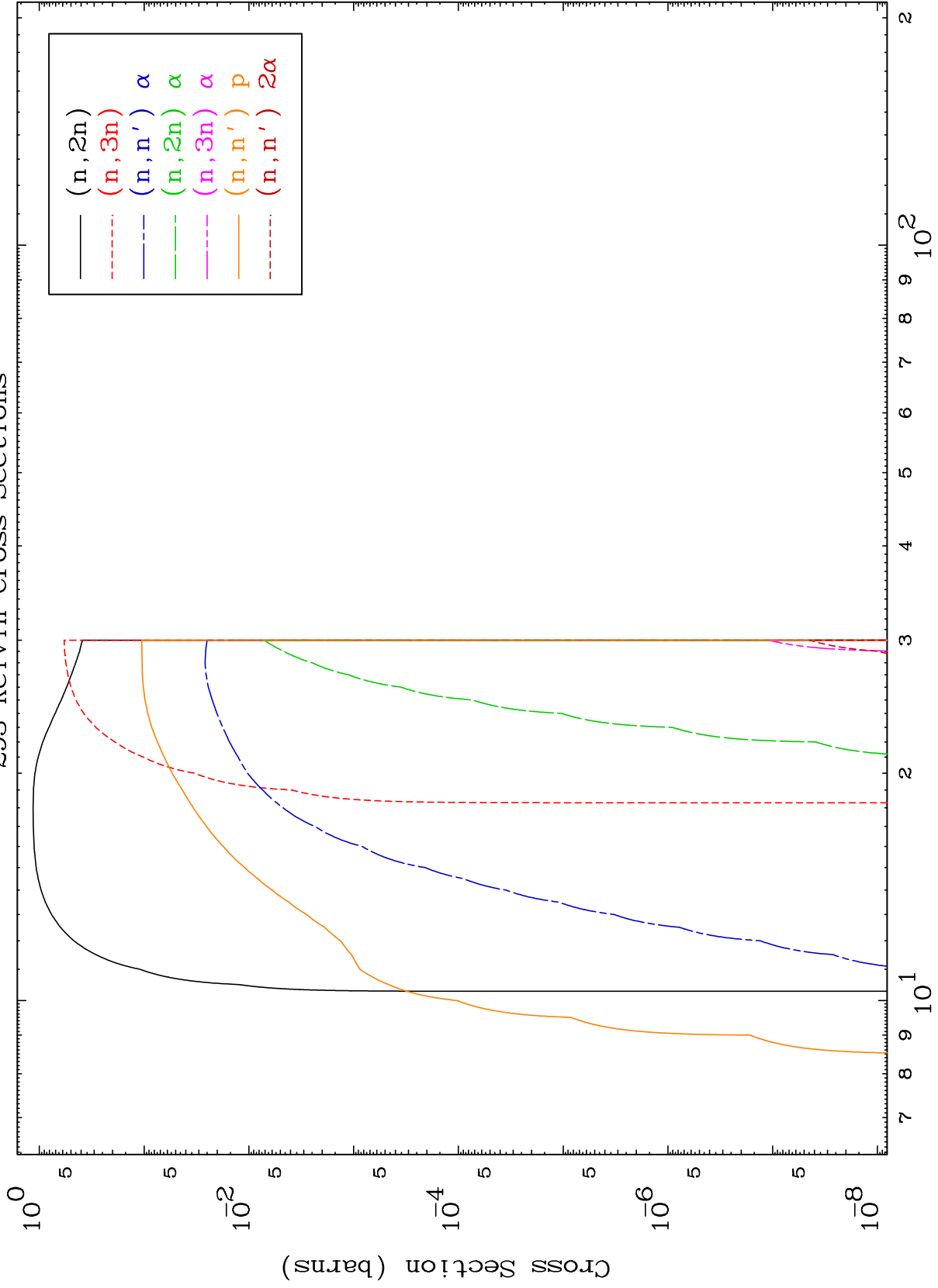
Press Mouse Button to Start

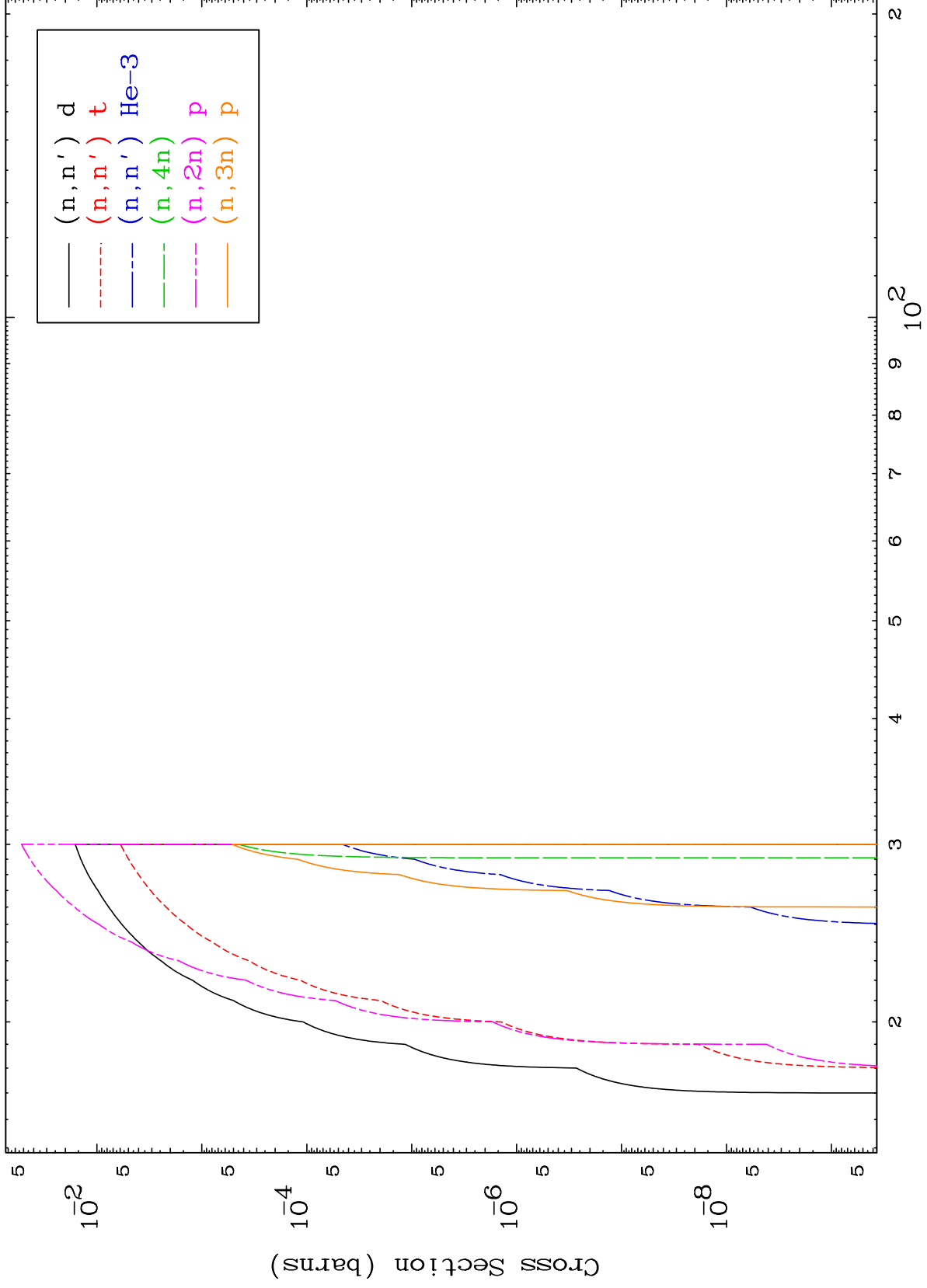
MAT 3531

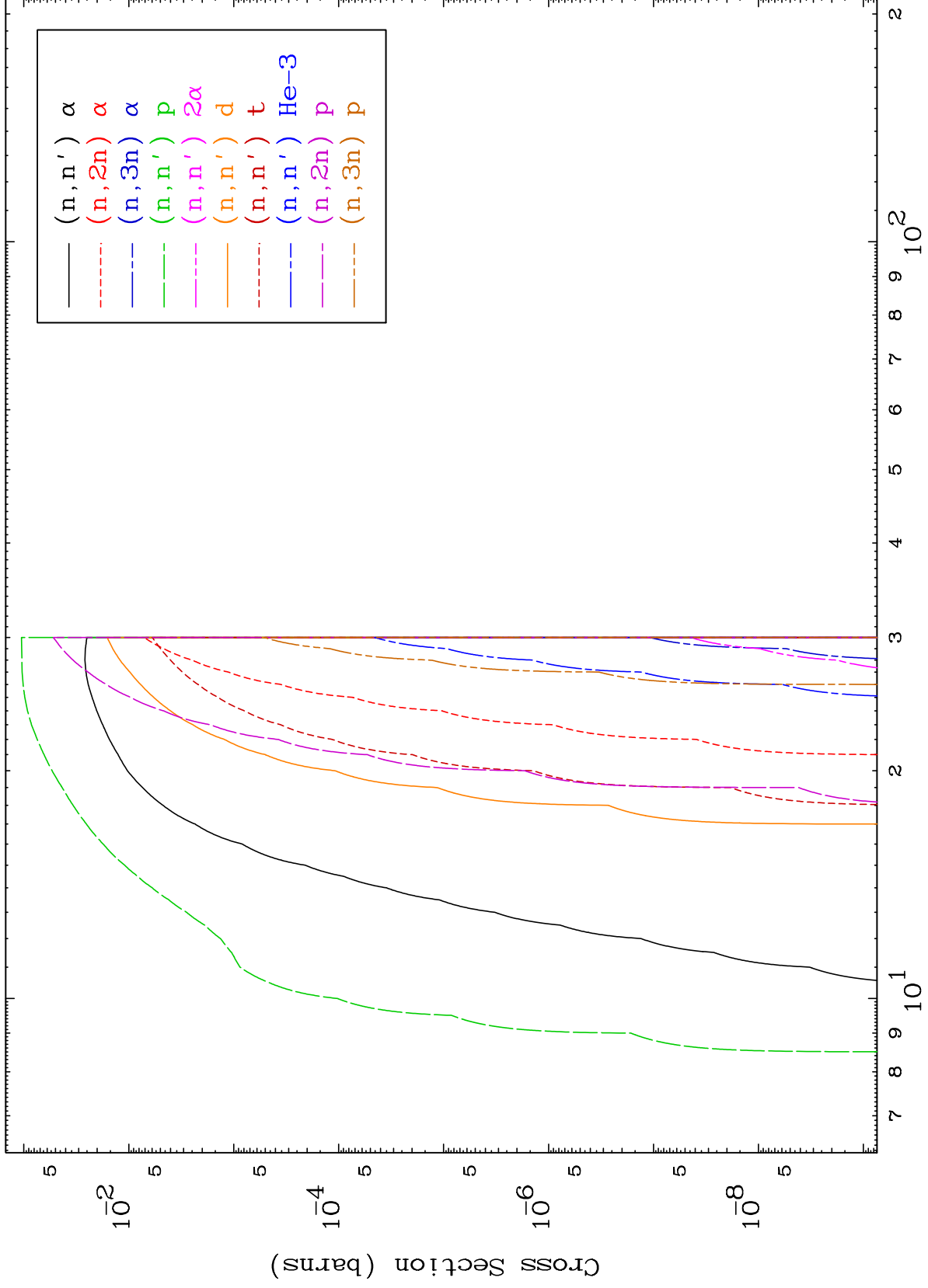
Major
293 Kelvin Cross Sections

35-Br-81





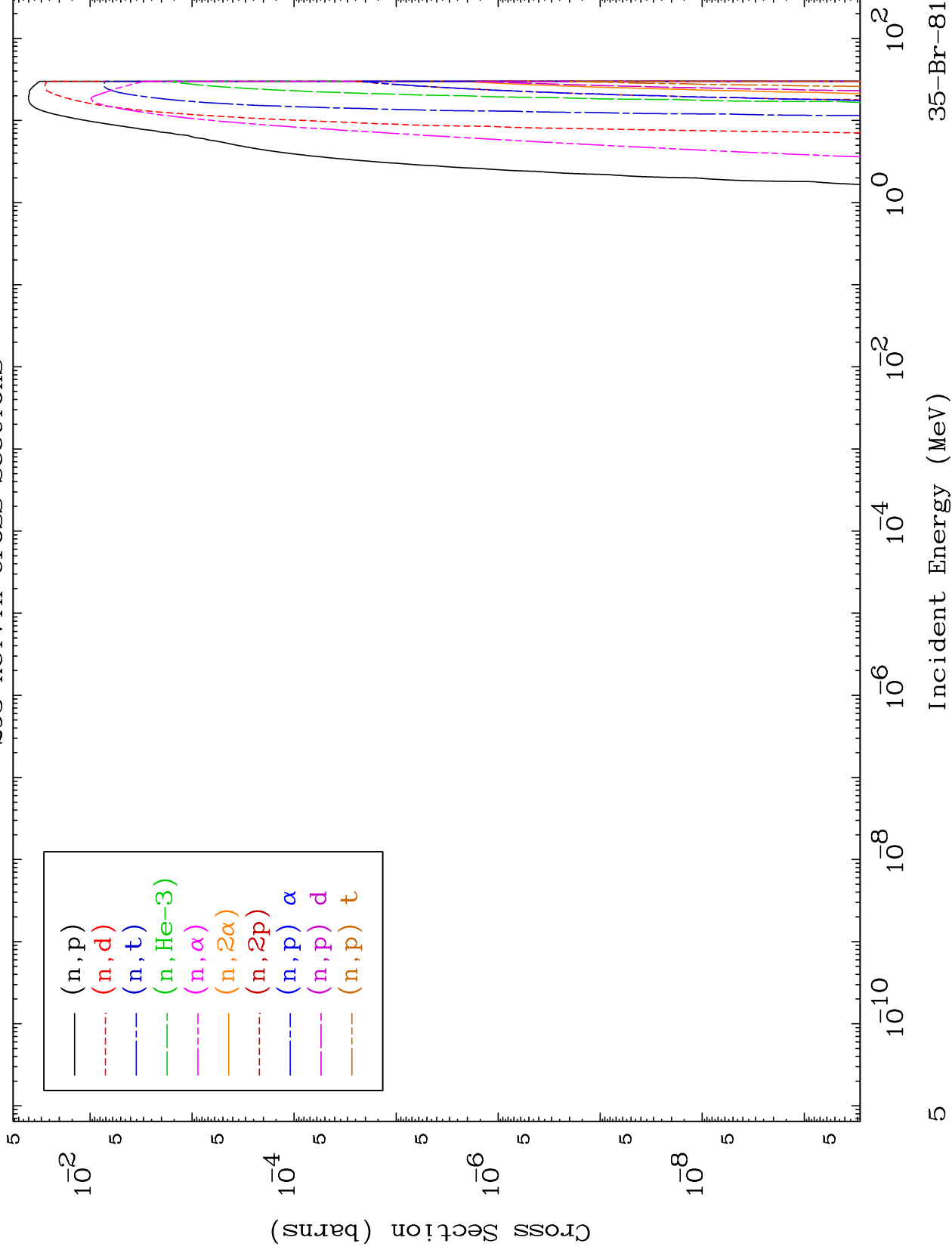




MAT 3531

Charged Particle
293 Kelvin Cross Sections

35-Br-81



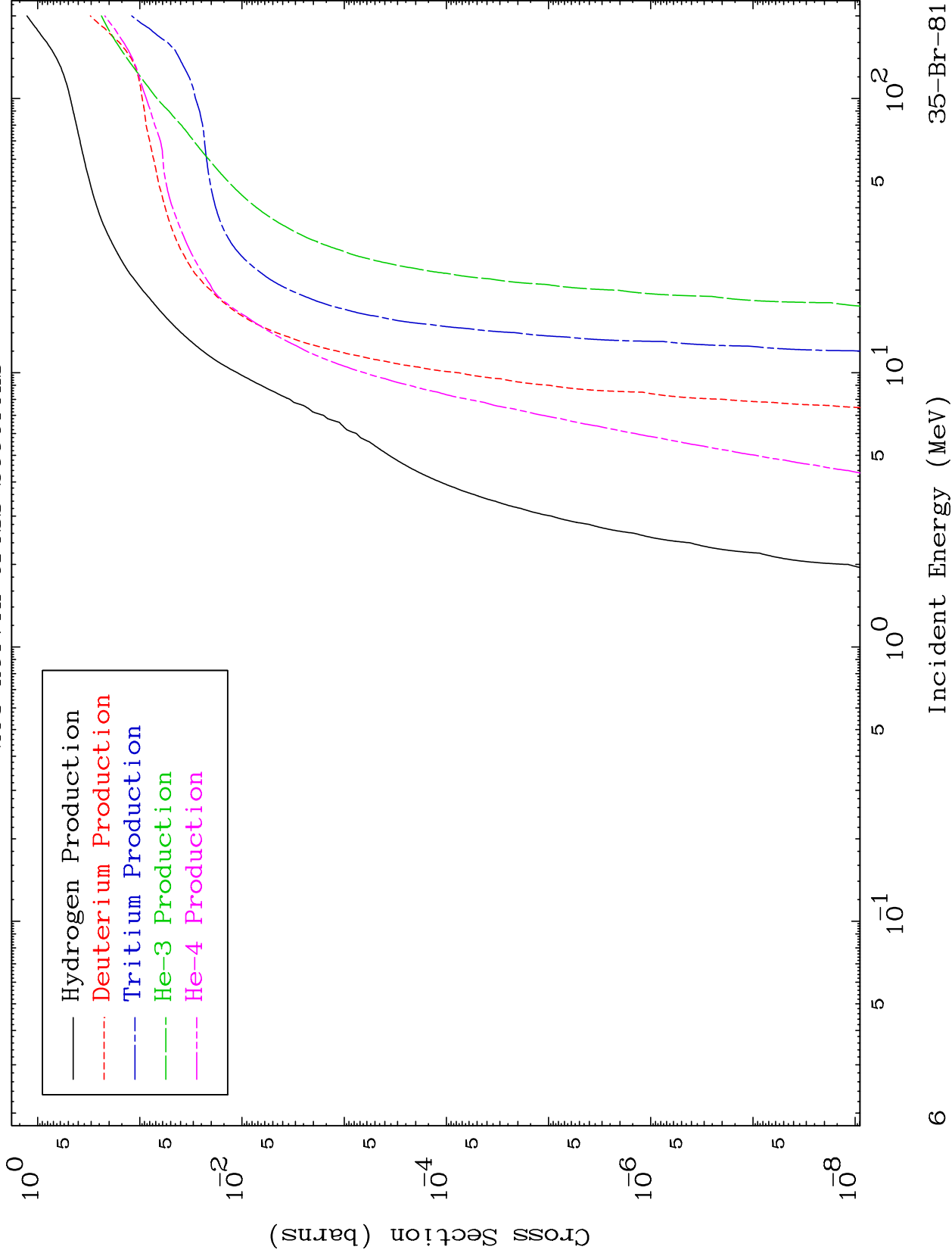
5

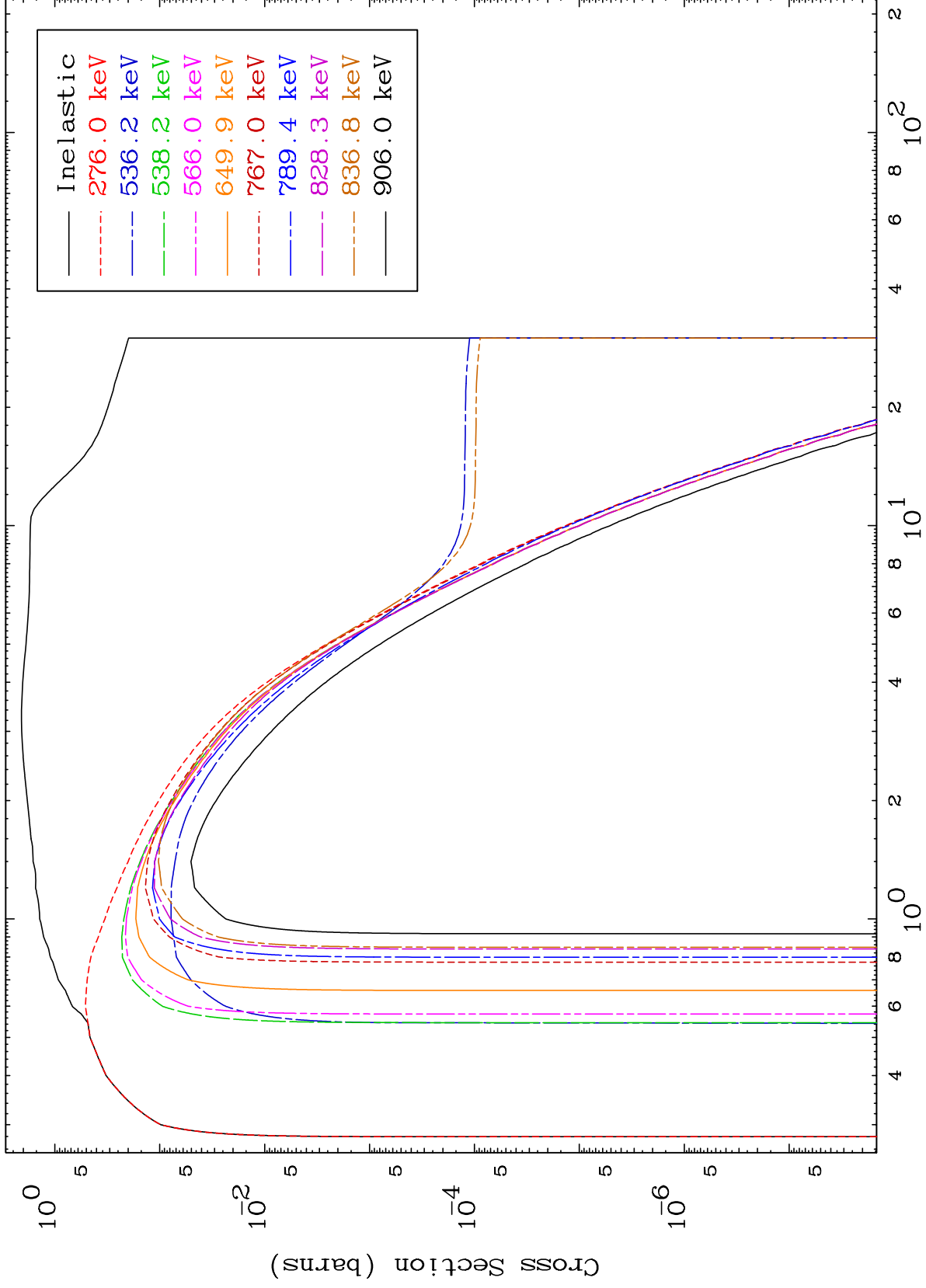
35-Br-81

MAT 3531

Particle Production
293 Kelvin Cross Sections

35-Br-81

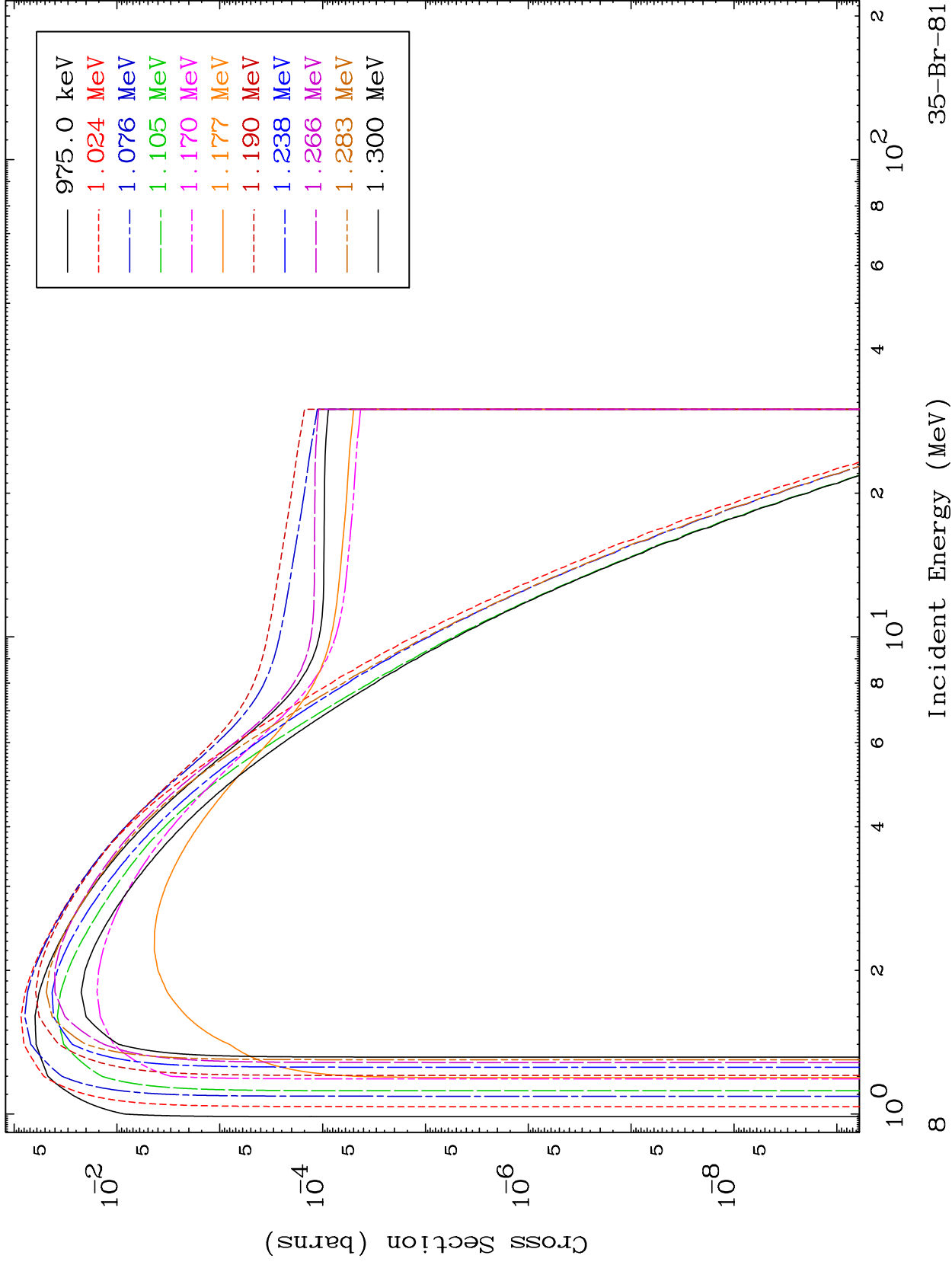




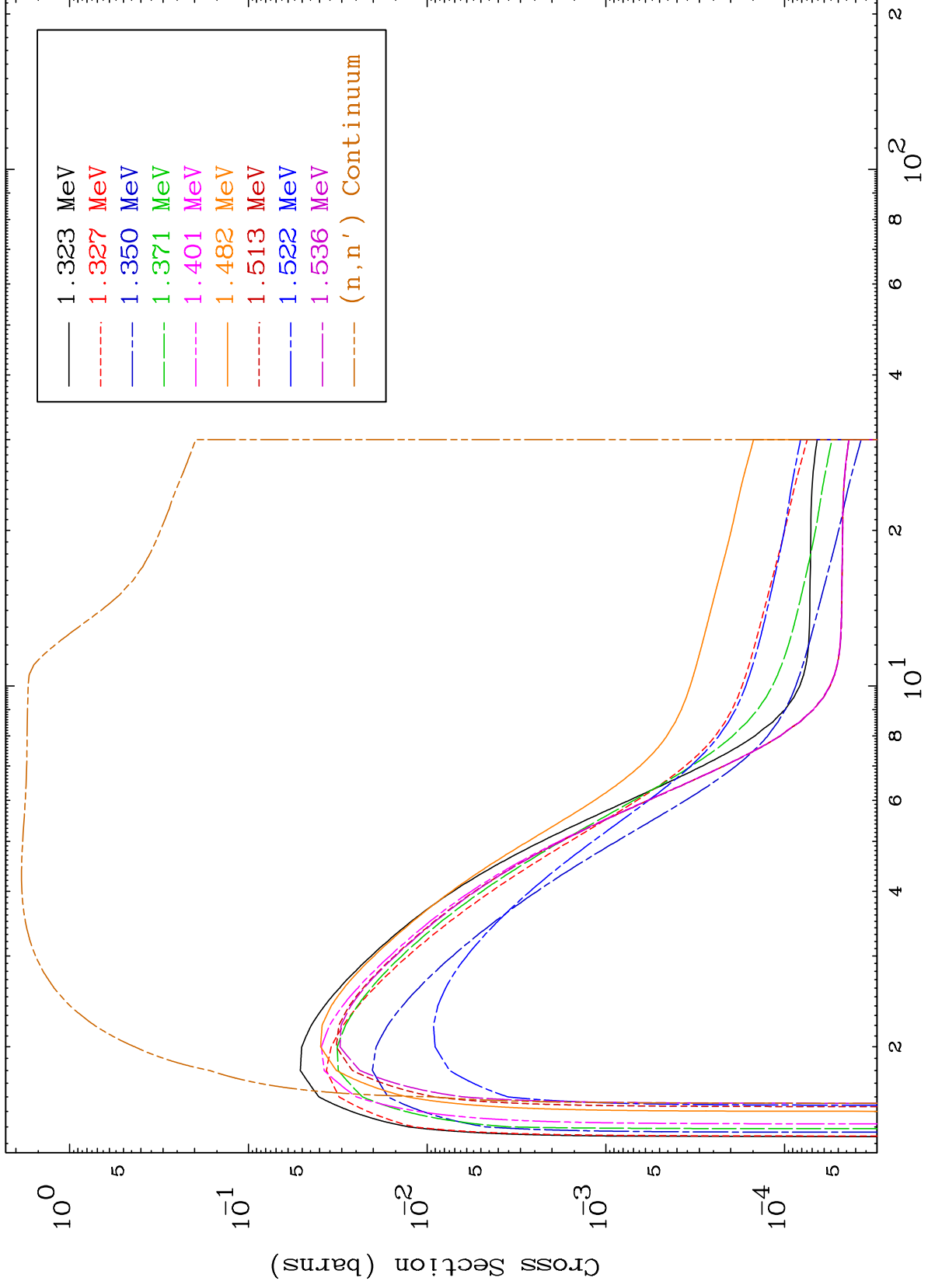
MAT 3531

(n,n') Level
293 Kelvin Cross Sections

35-Br-81



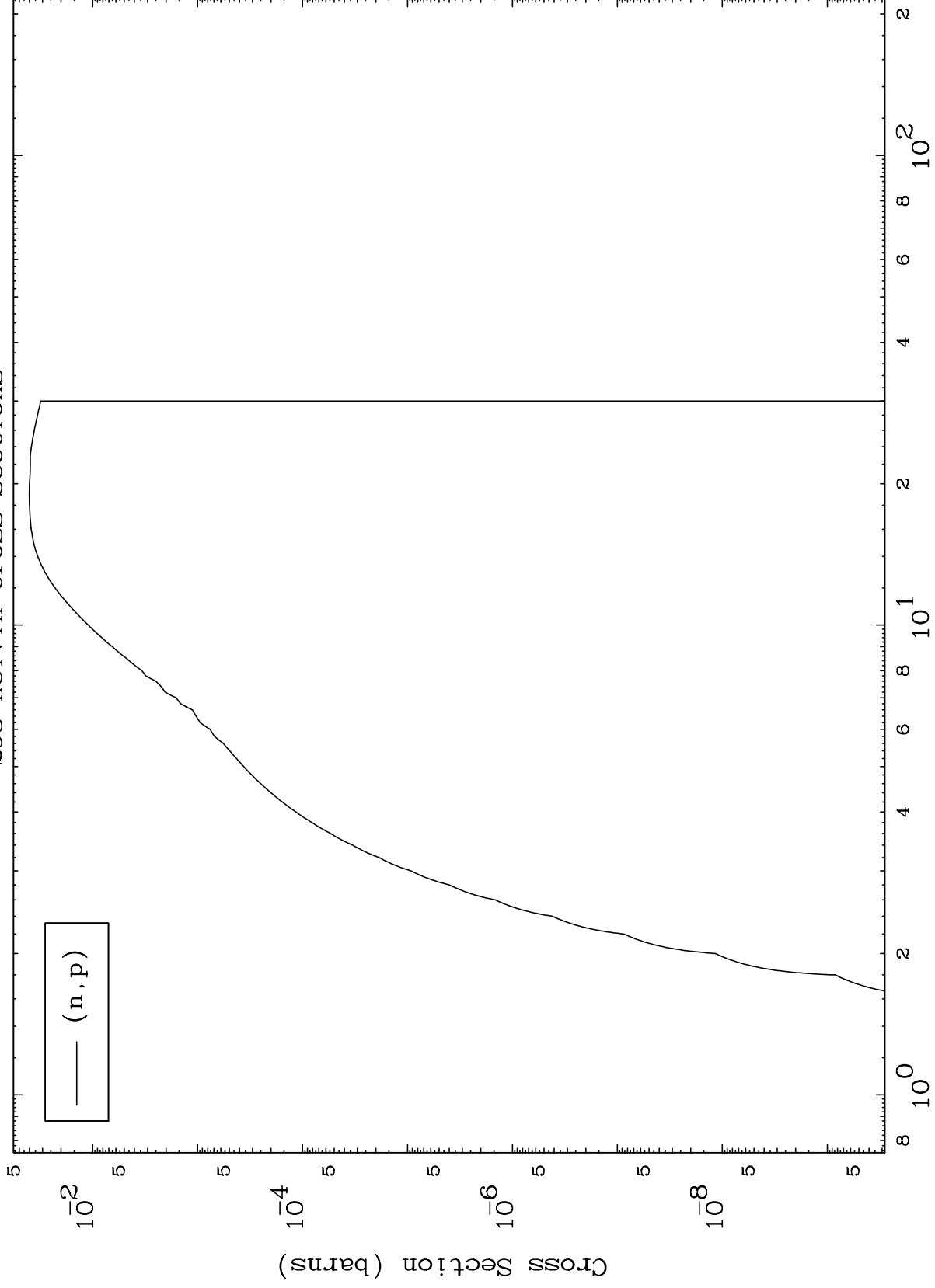
293 Kelvin Cross Sections



MAT 3531

(n,p) Levels
293 Kelvin Cross Sections

35-Br-81



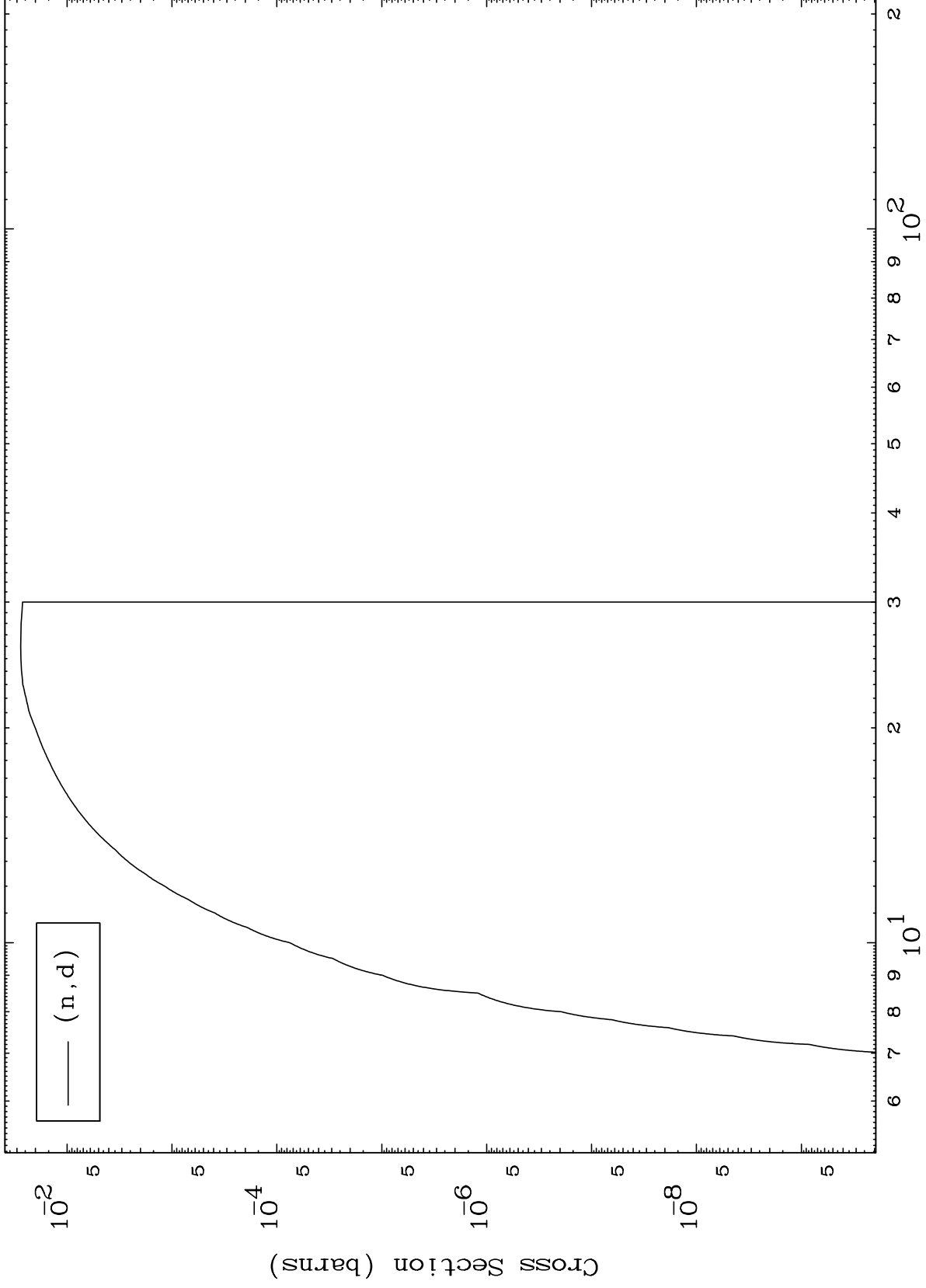
Incident Energy (MeV)

35-Br-81

MAT 3531

(n,d) Levels
293 Kelvin Cross Sections

35-Br-81



11

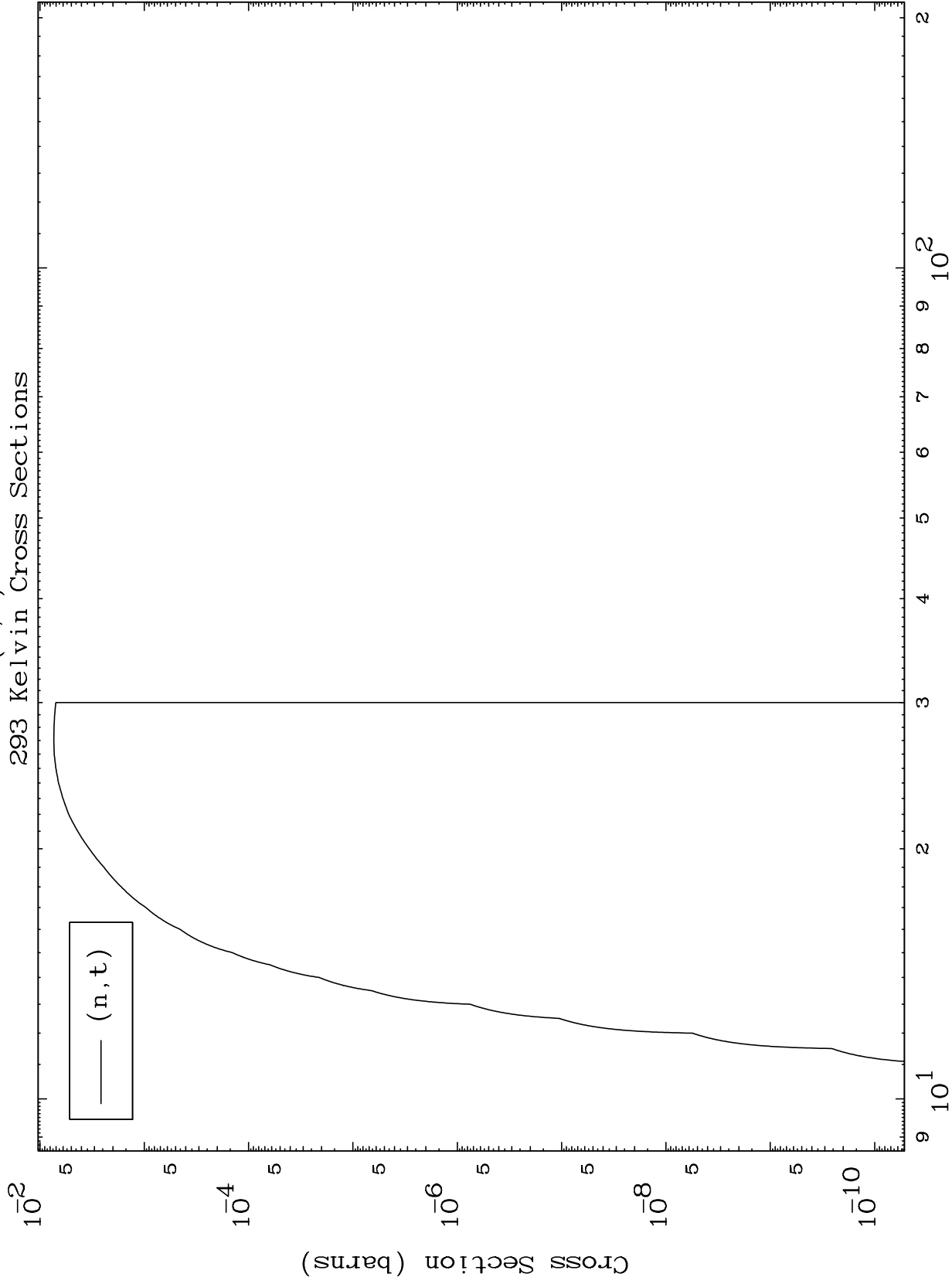
Incident Energy (MeV)

35-Br-81

MAT 3531

(n,t) Levels
293 Kelvin Cross Sections

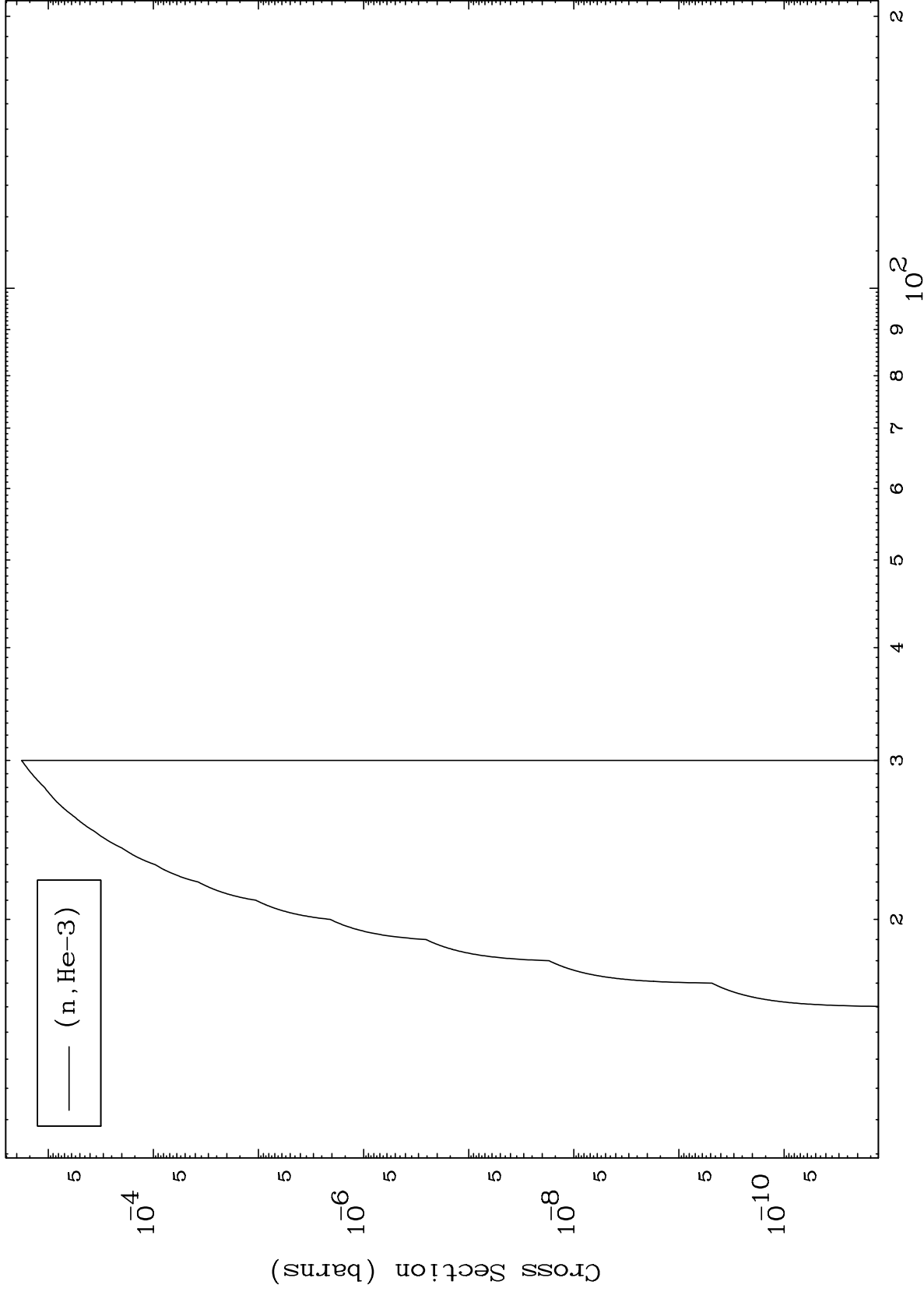
35-Br-81



12

Incident Energy (MeV)

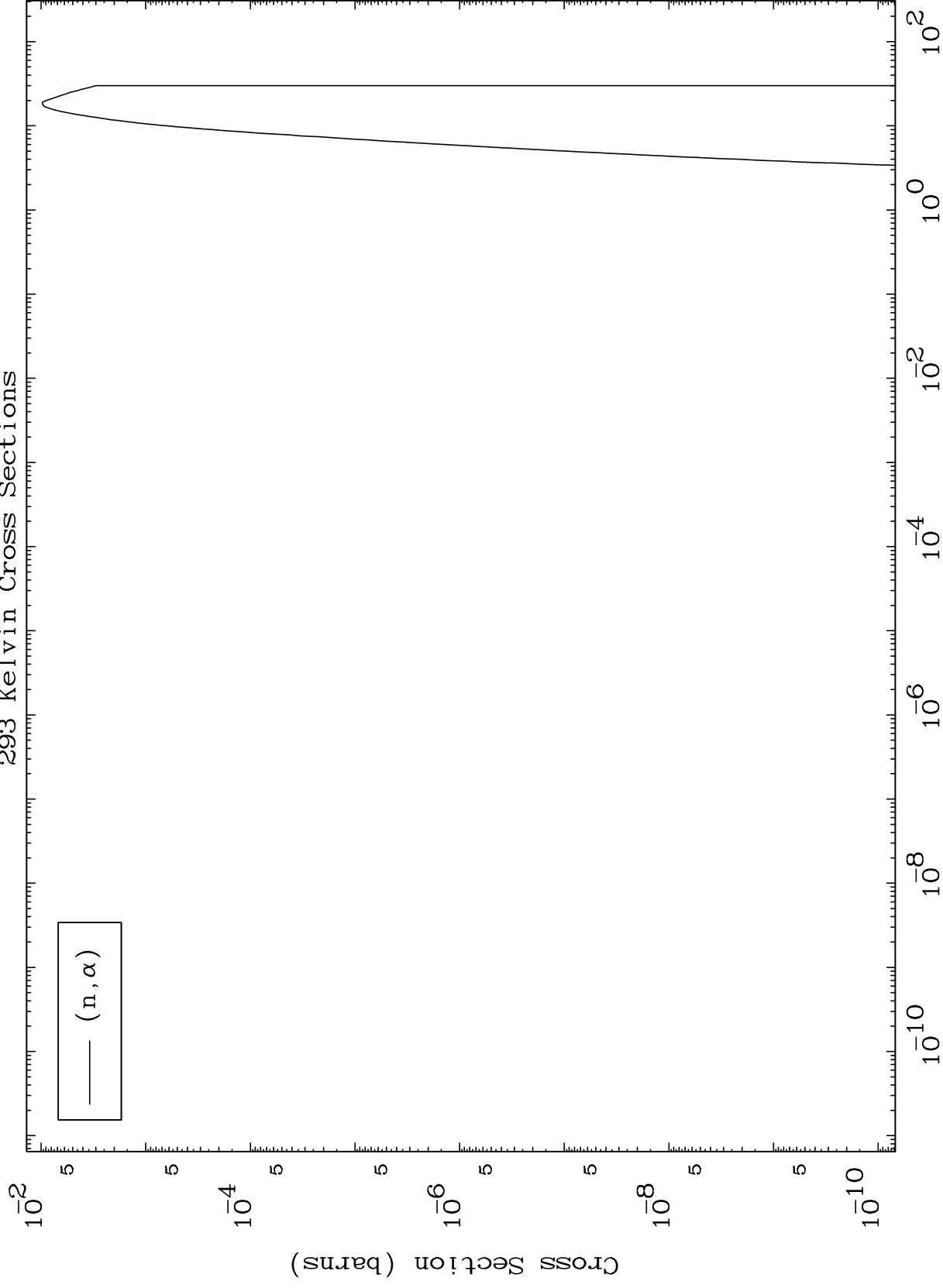
35-Br-81



MAT 3531

(n, α) Levels
293 Kelvin Cross Sections

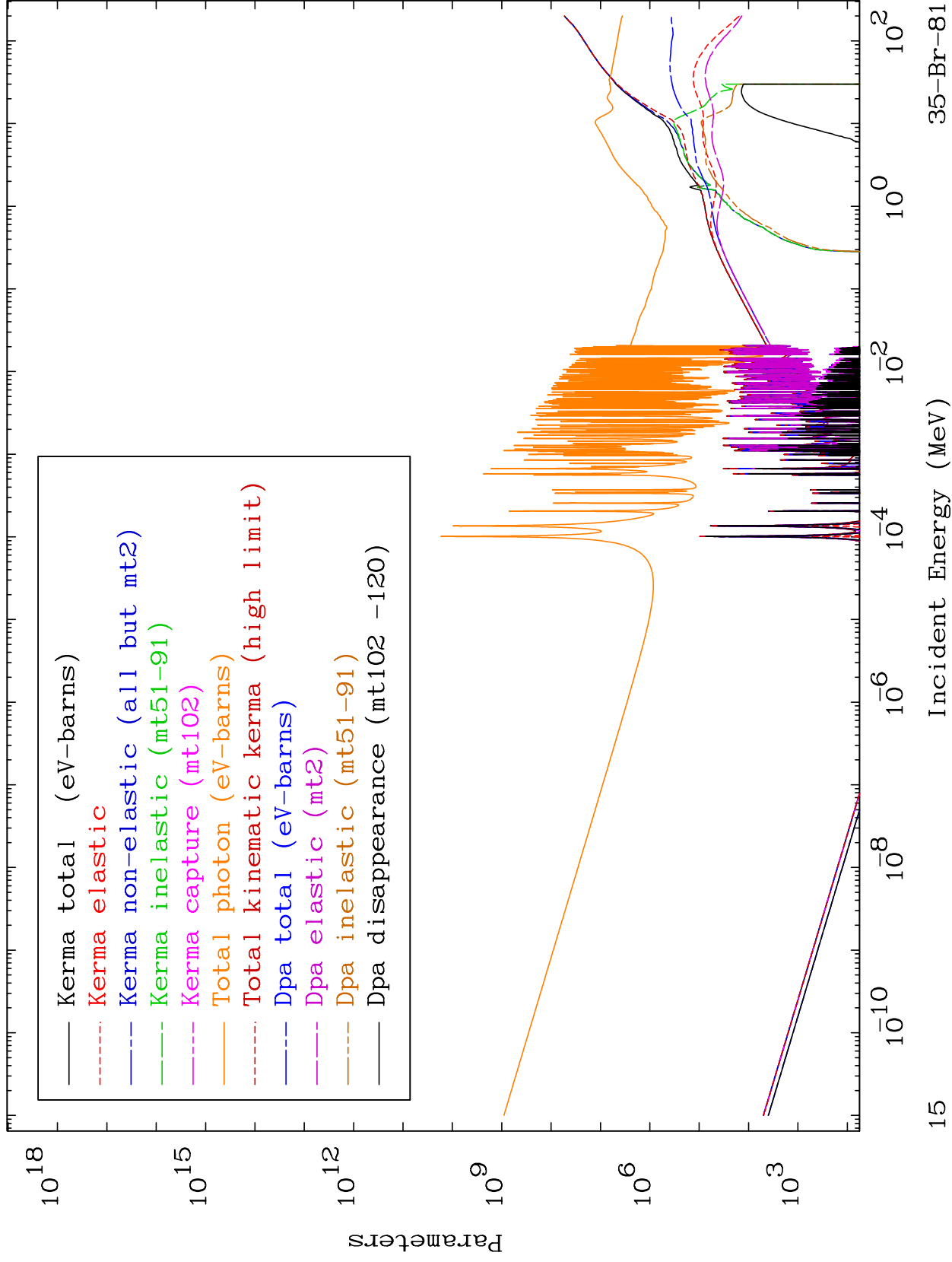
35-Br-81



14

Incident Energy (MeV)

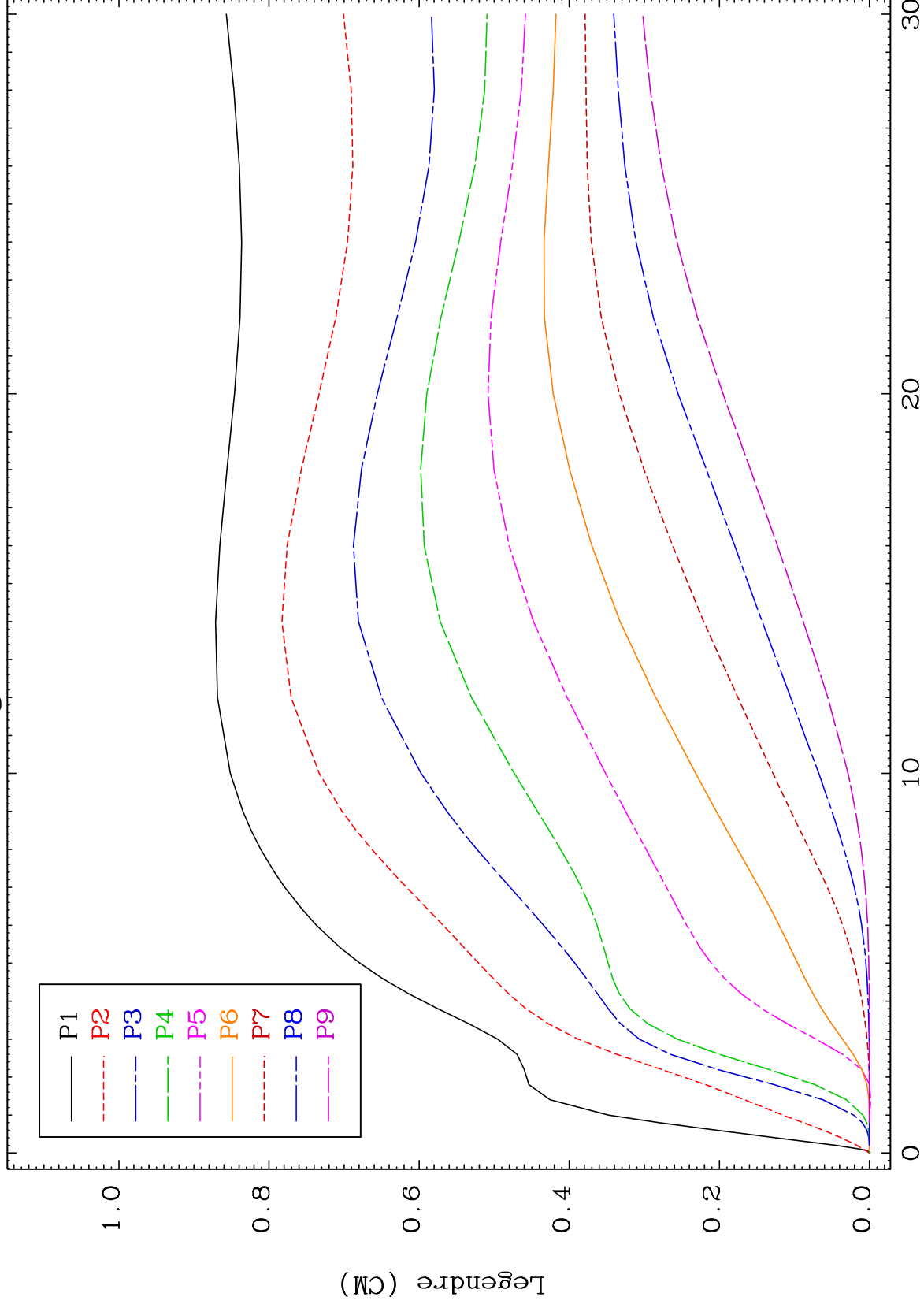
35-Br-81



MAT 3531

Elastic Legendre Coefficients

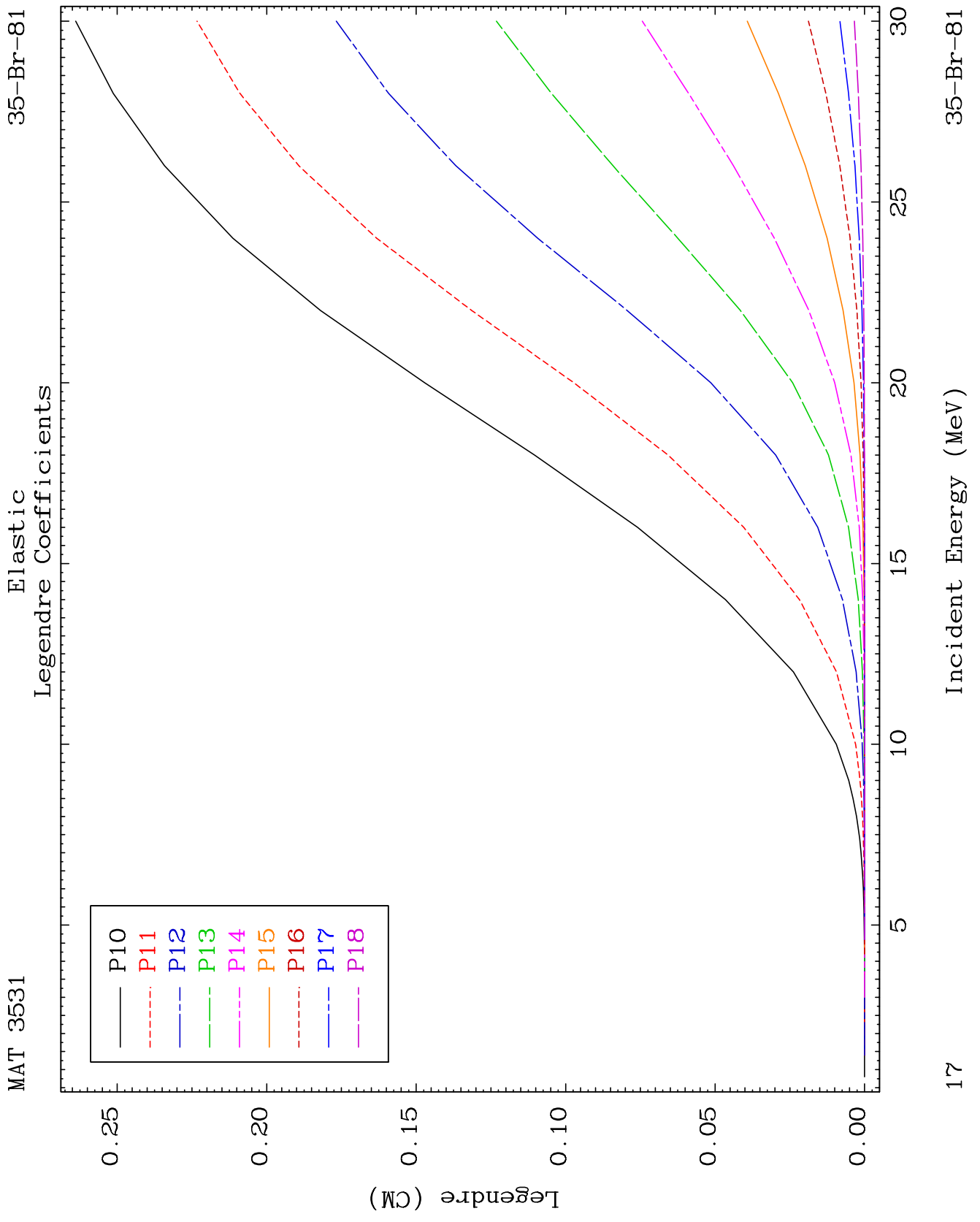
35-Br-81



16

Incident Energy (MeV)

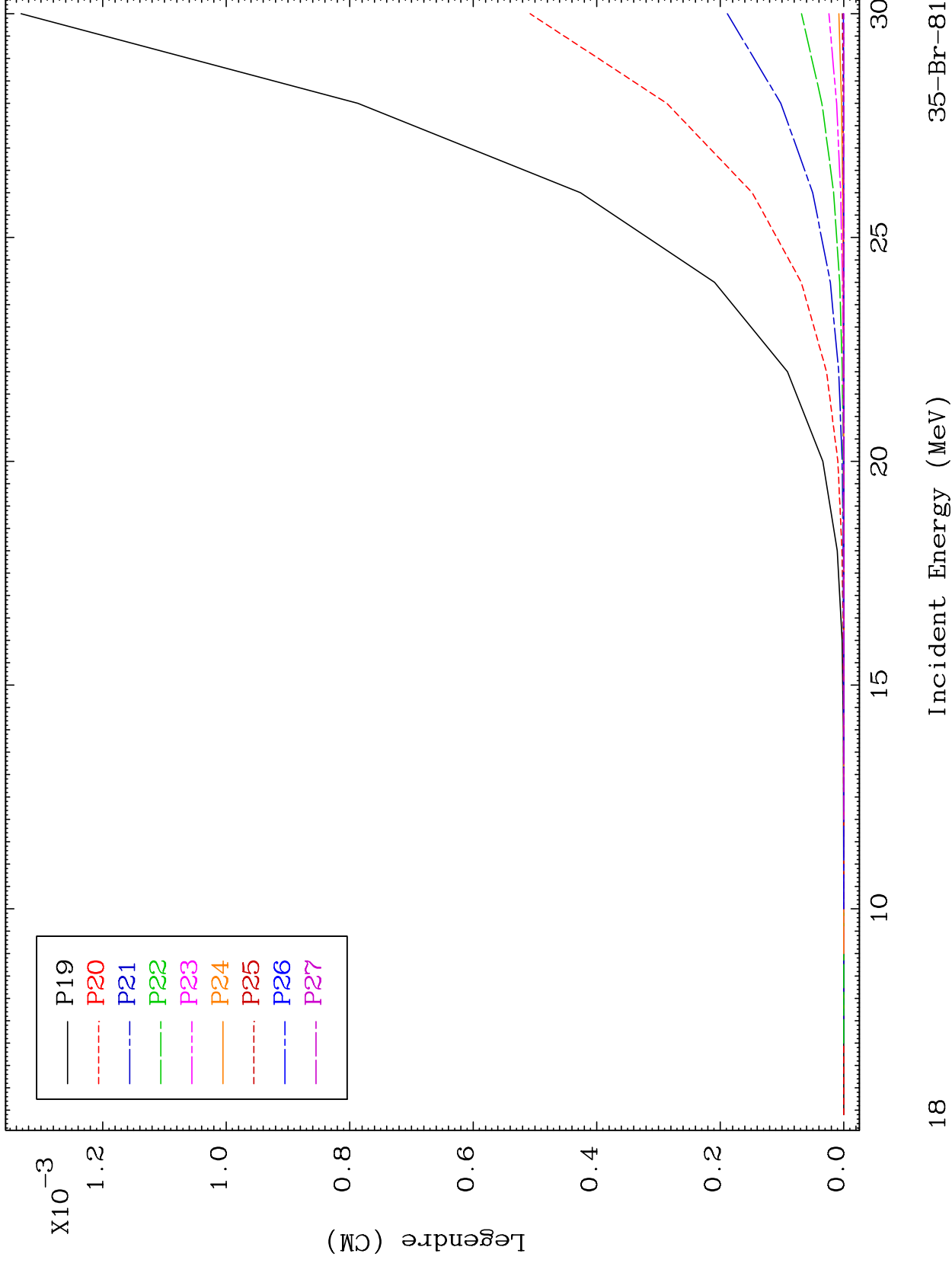
35-Br-81



MAT 3531

Elastic Legendre Coefficients

35-Br-81



18

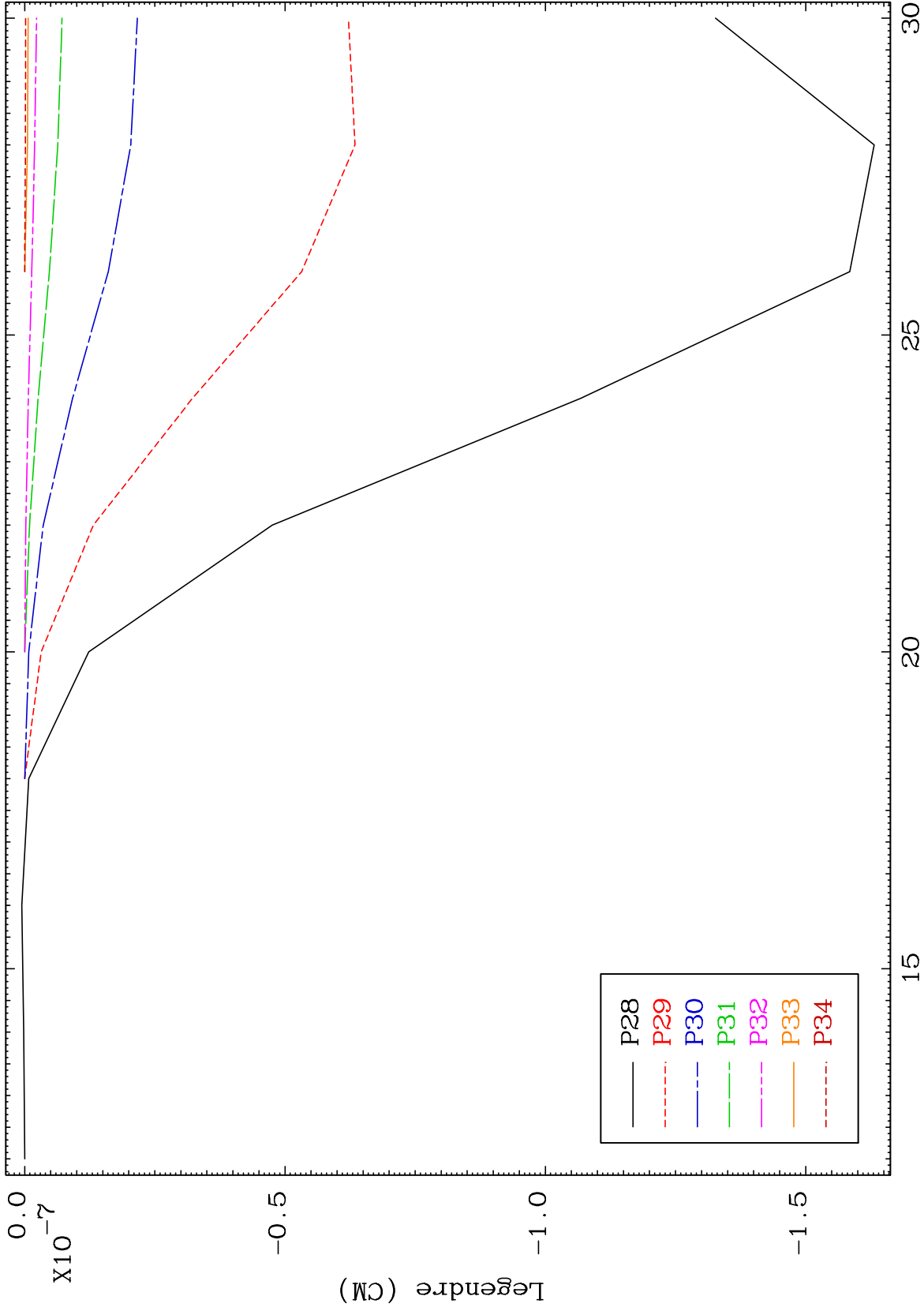
Incident Energy (MeV)

35-Br-81

MAT 3531

35-Br-81

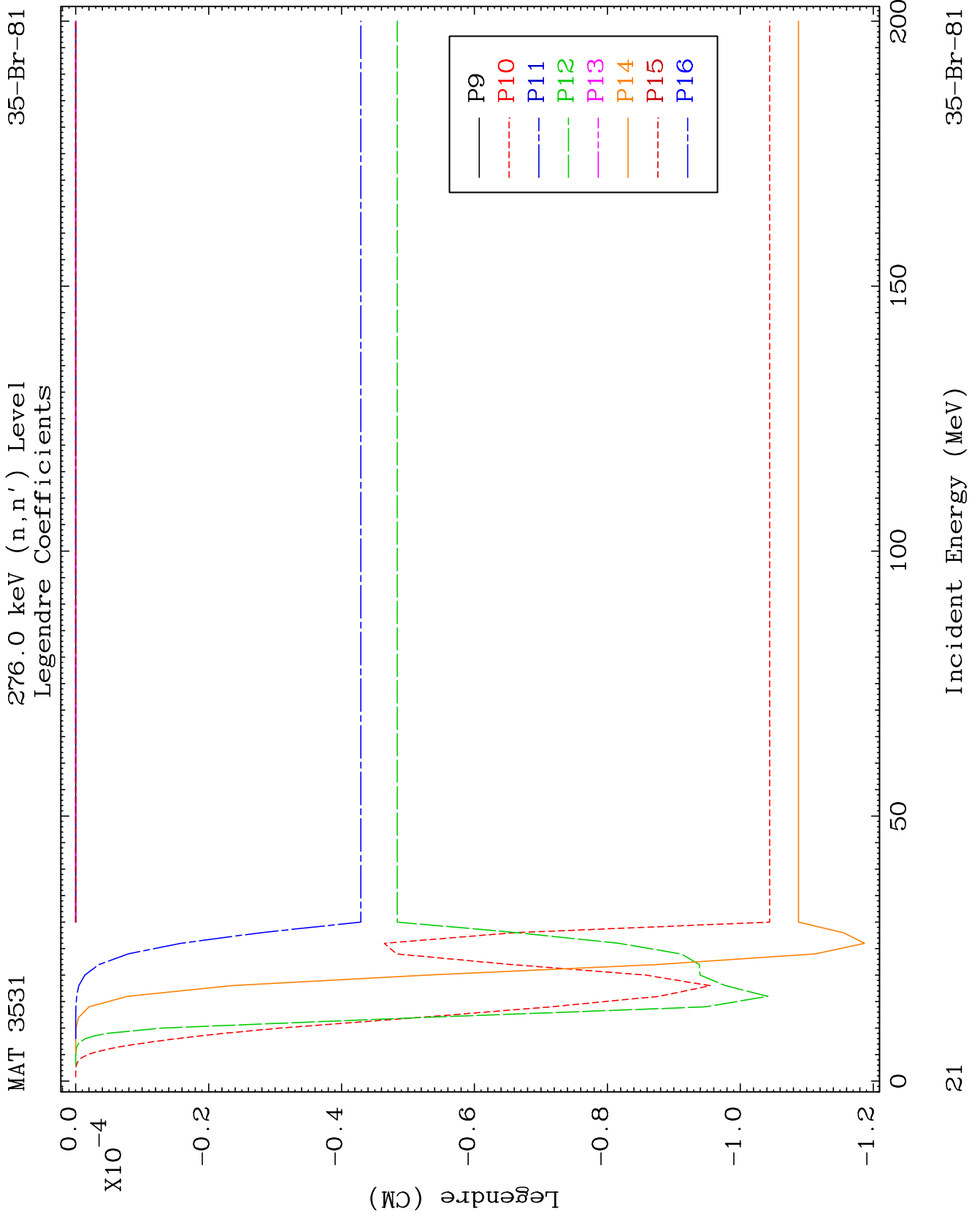
Elastic Legendre Coefficients

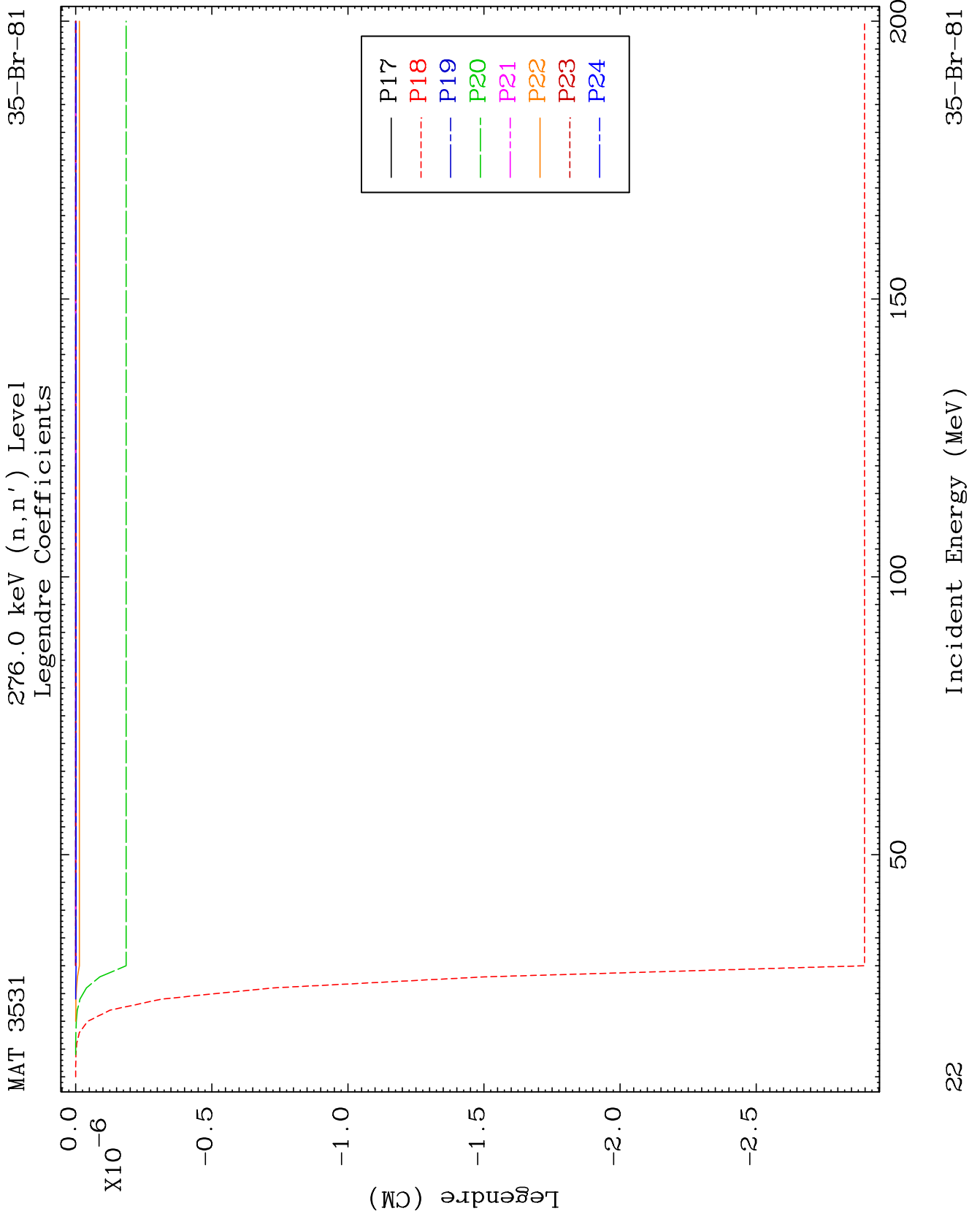


19

Incident Energy (MeV)

35-Br-81

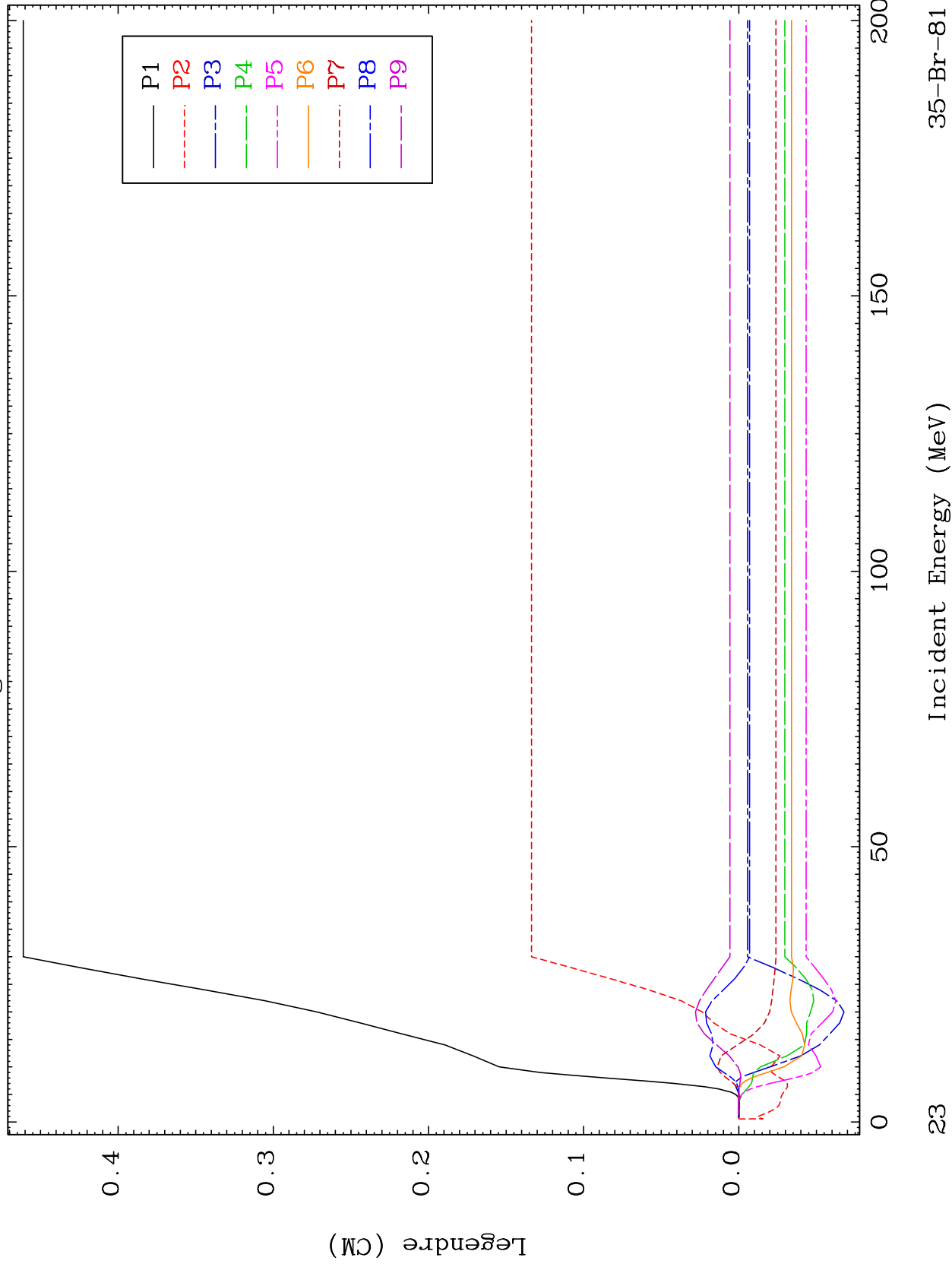




MAT 3531

536.2 keV (n,n') Level
Legendre Coefficients

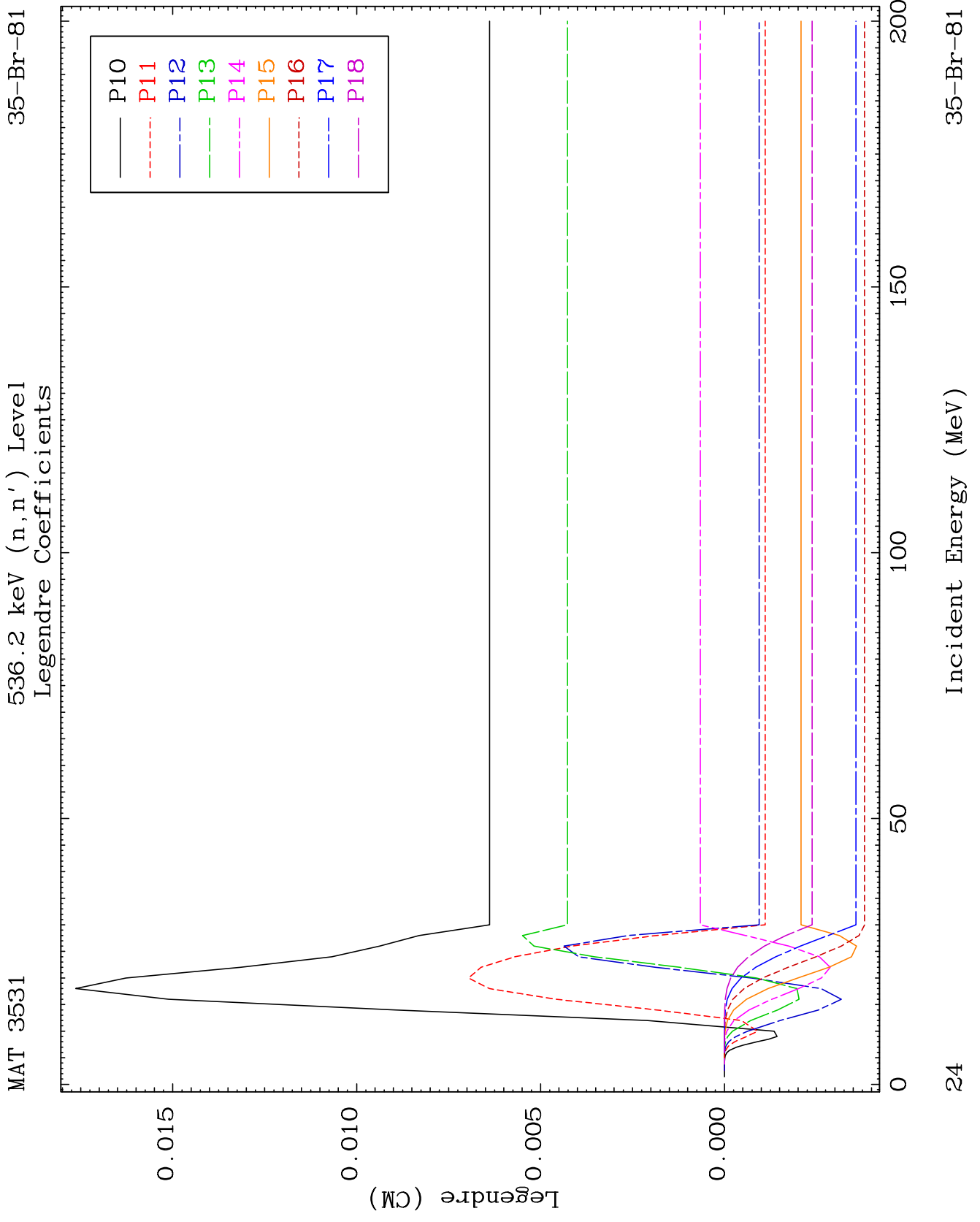
35-Br-81

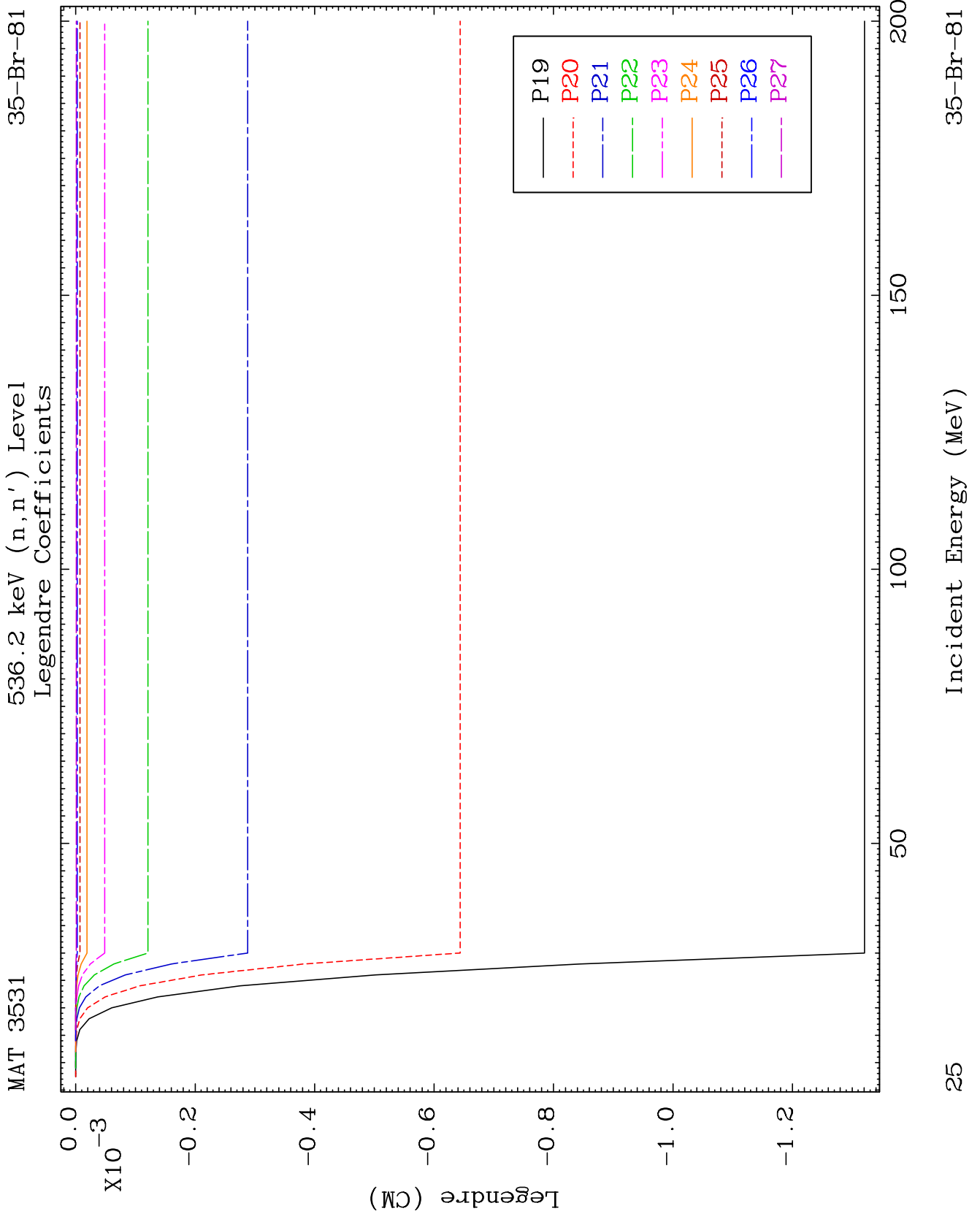


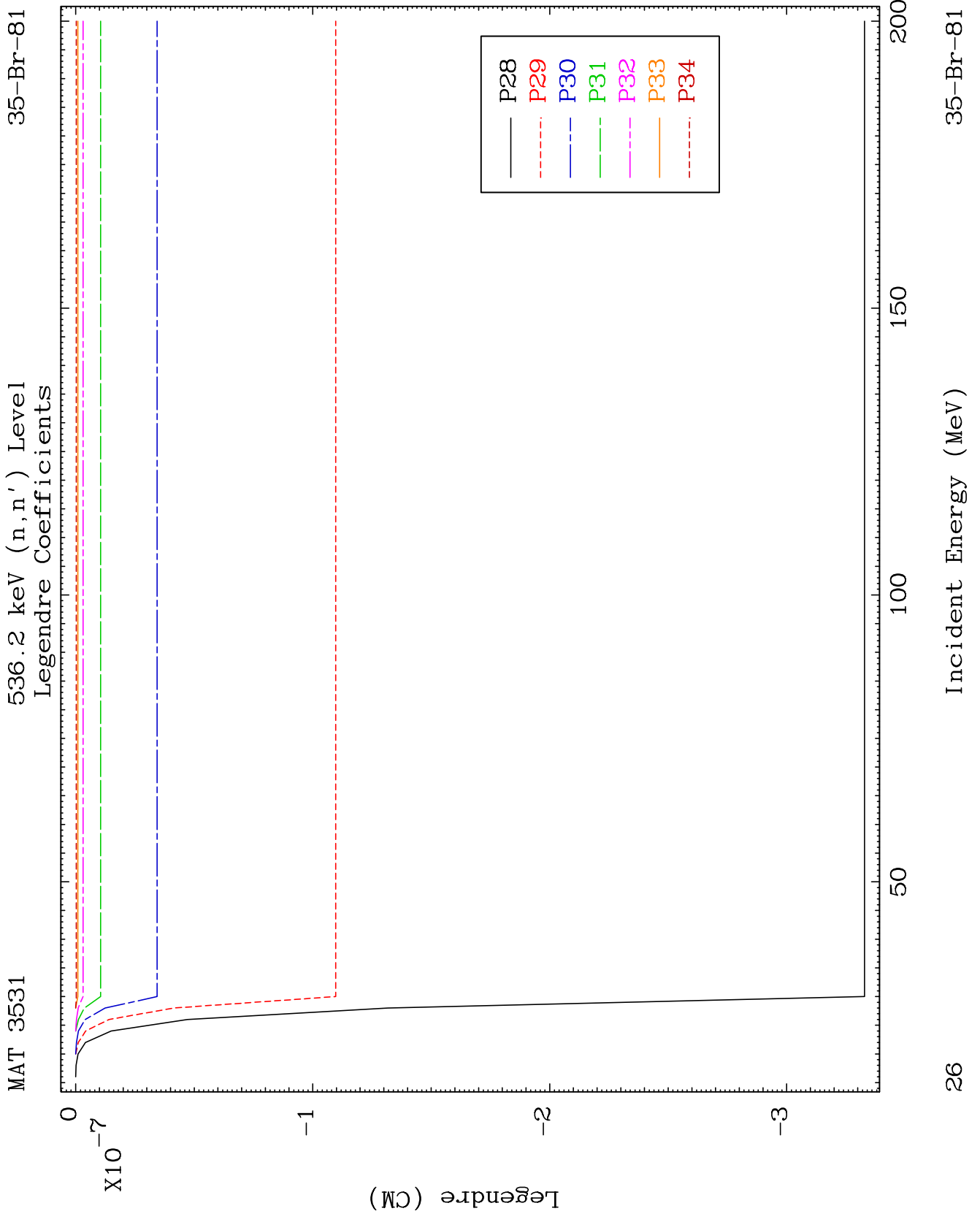
23

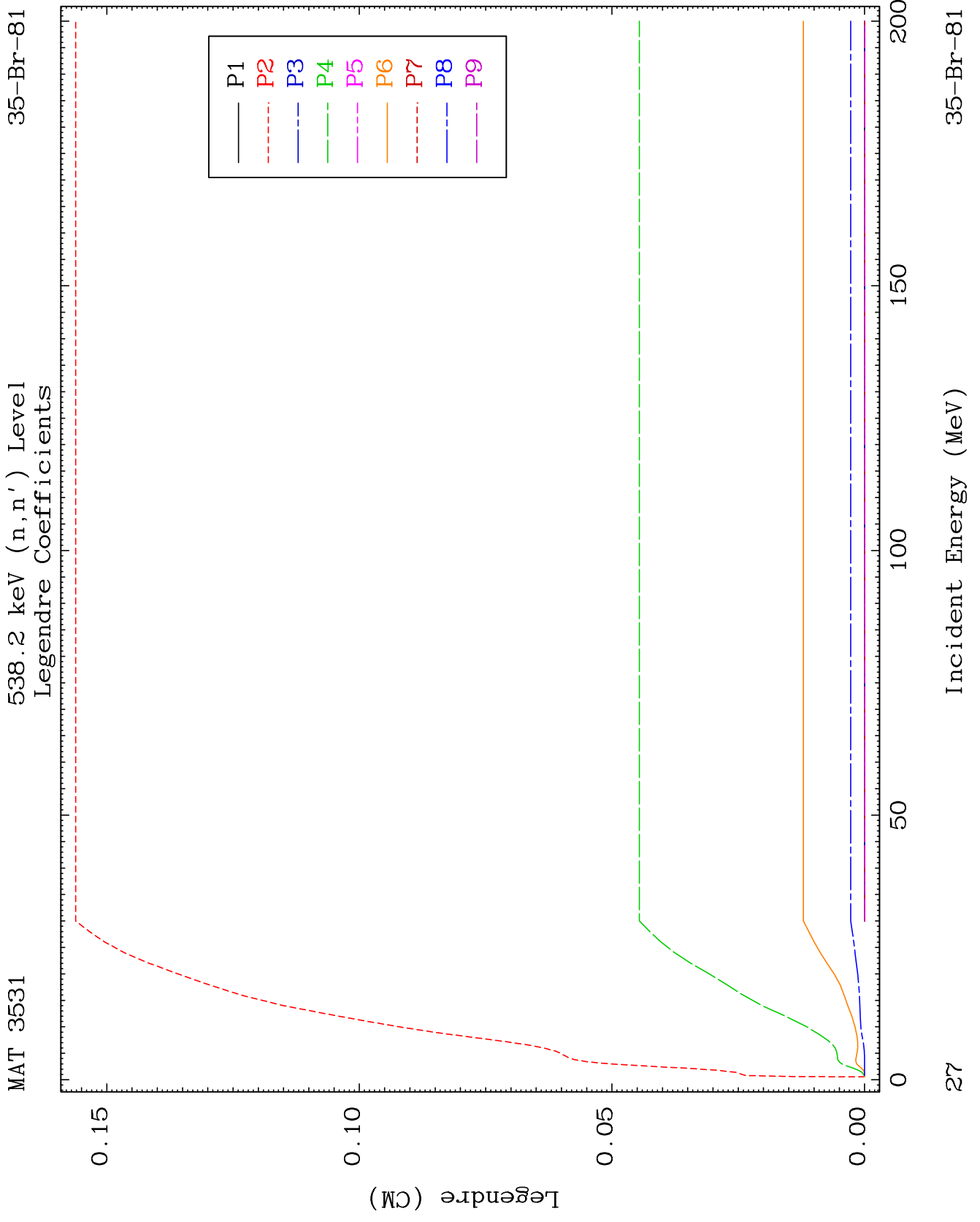
Incident Energy (MeV)

35-Br-81





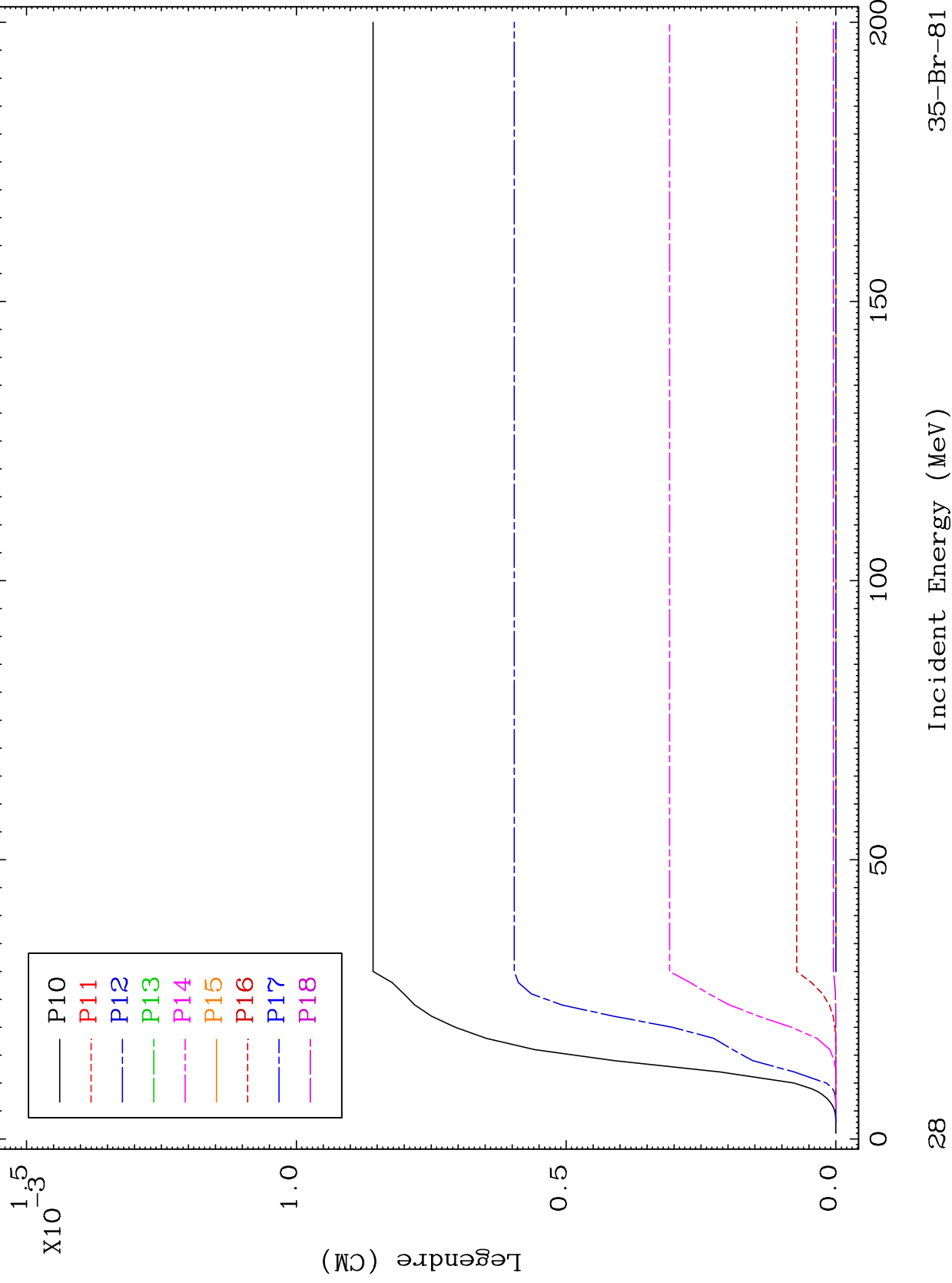




MAT 3531

538.2 keV (n,n') Level
Legendre Coefficients

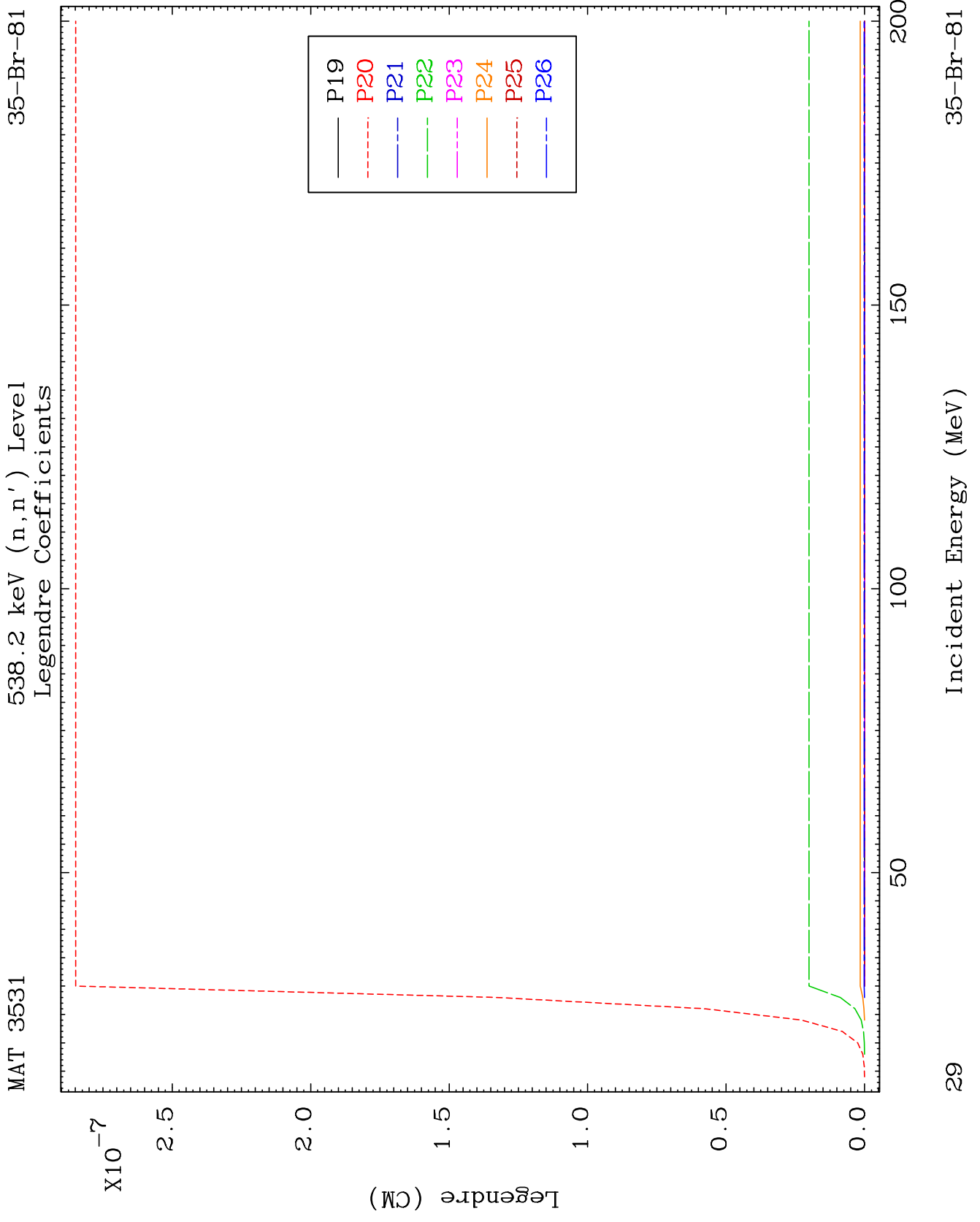
35-Br-81



28

Incident Energy (MeV)

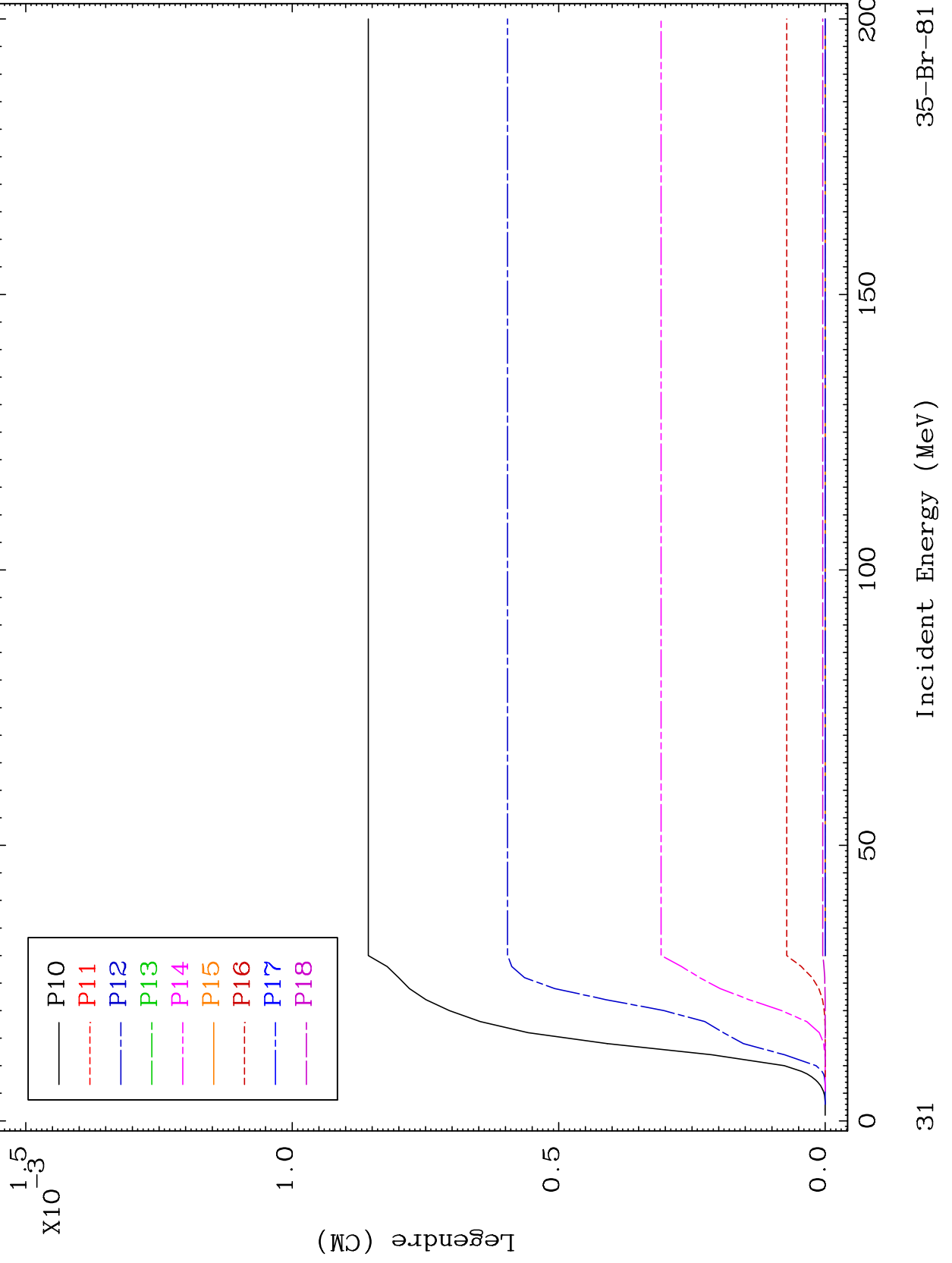
35-Br-81



MAT 3531

566.0 keV (n,n') Level
Legendre Coefficients

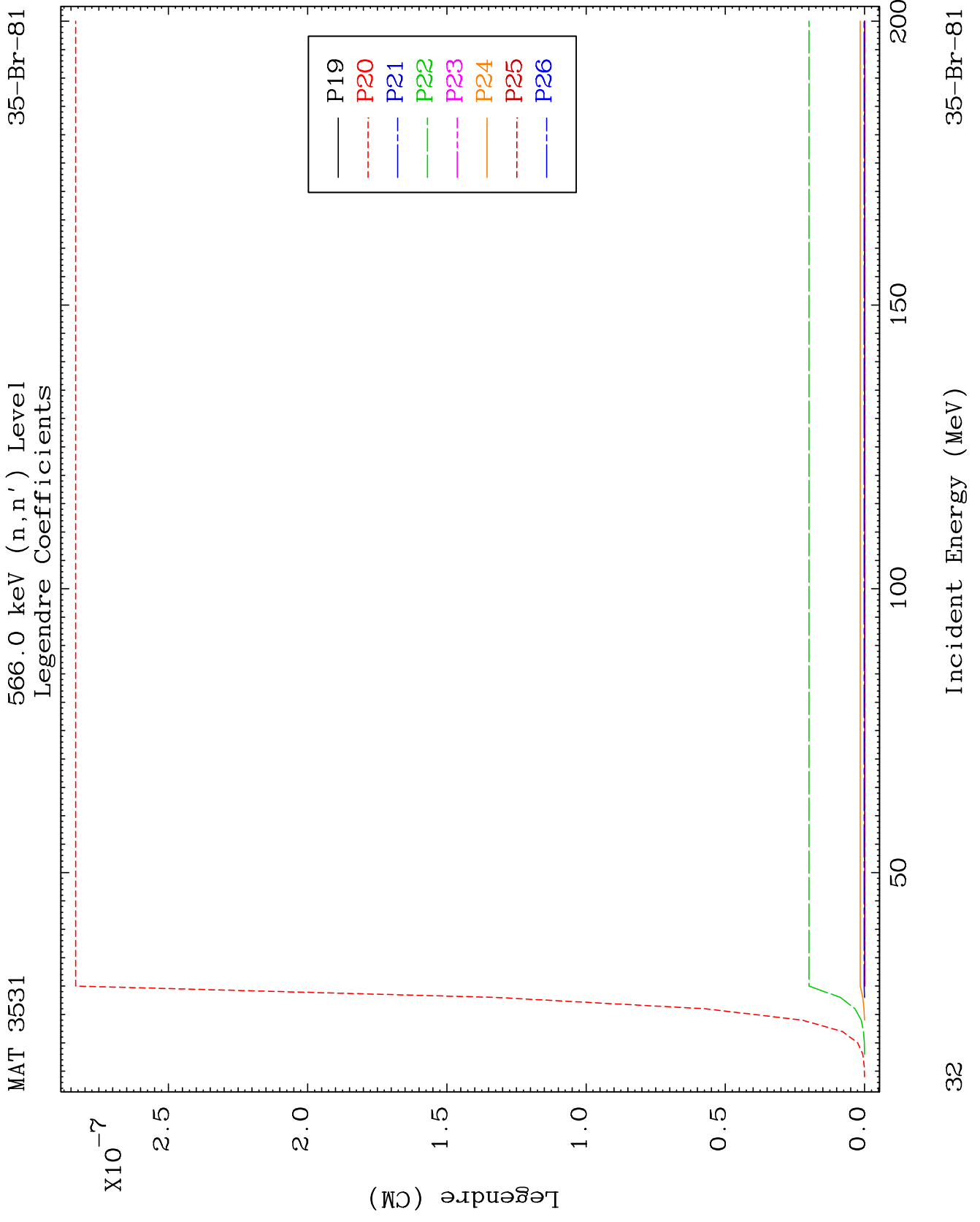
35-Br-81

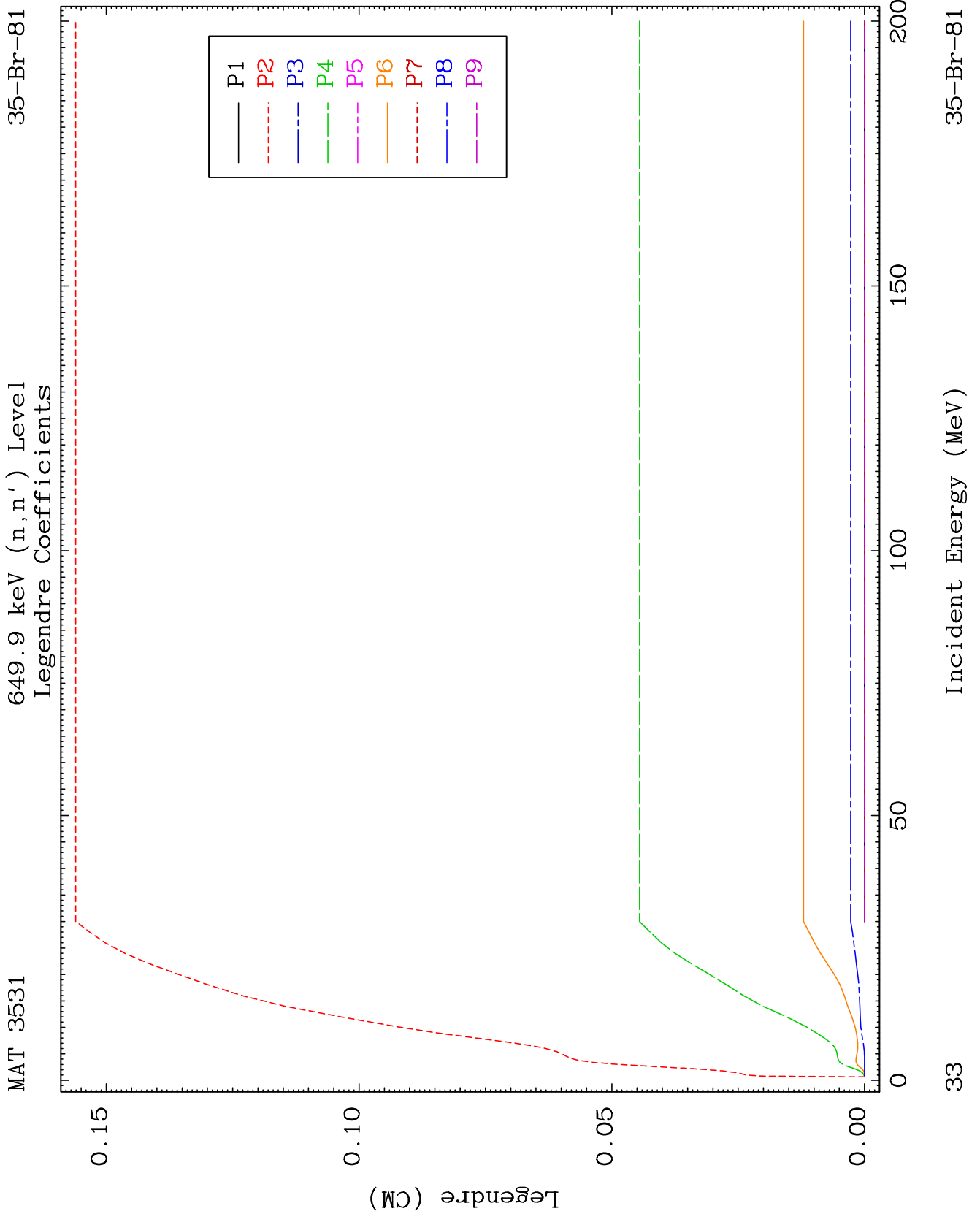


31

Incident Energy (MeV)

35-Br-81

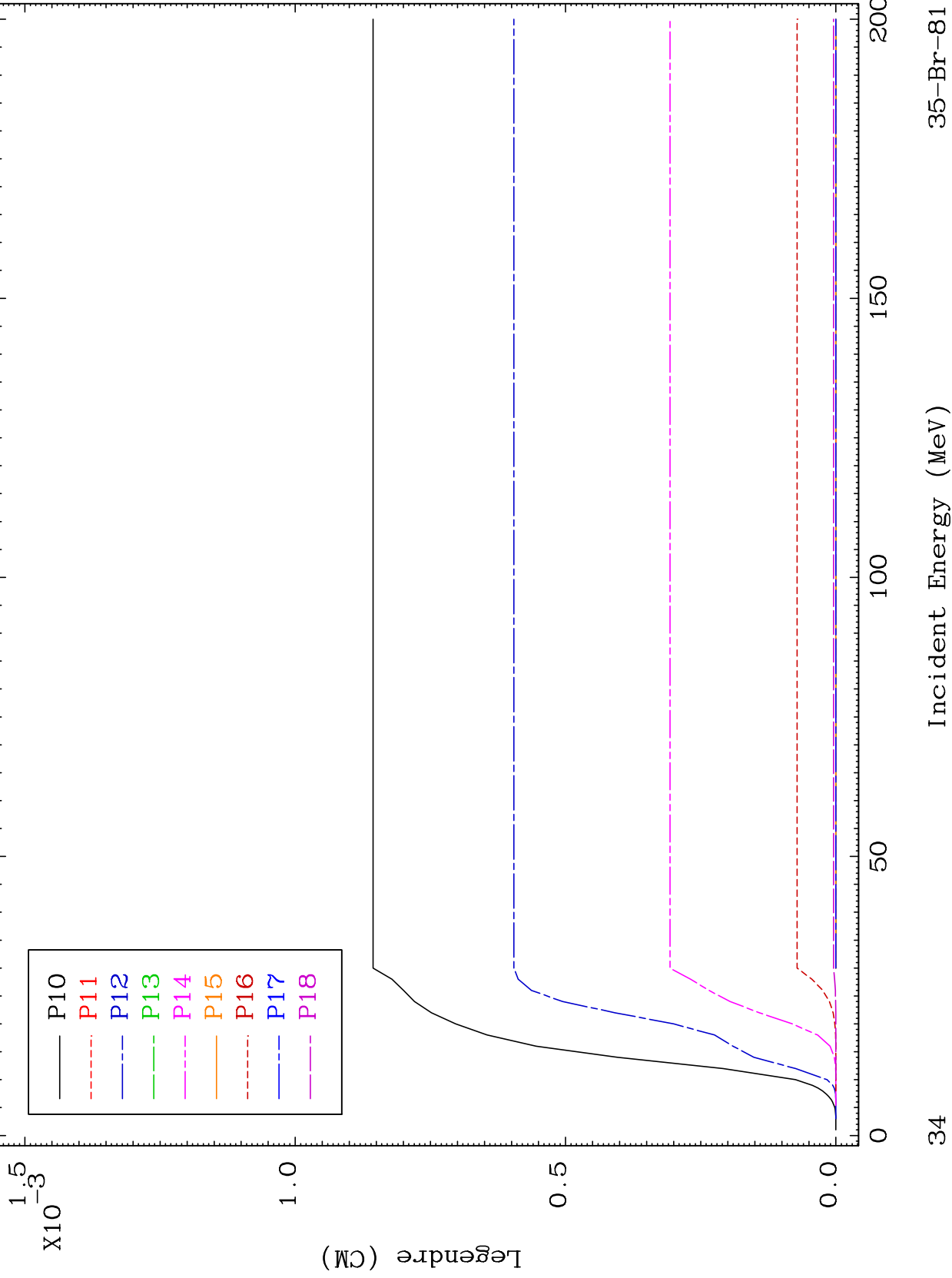


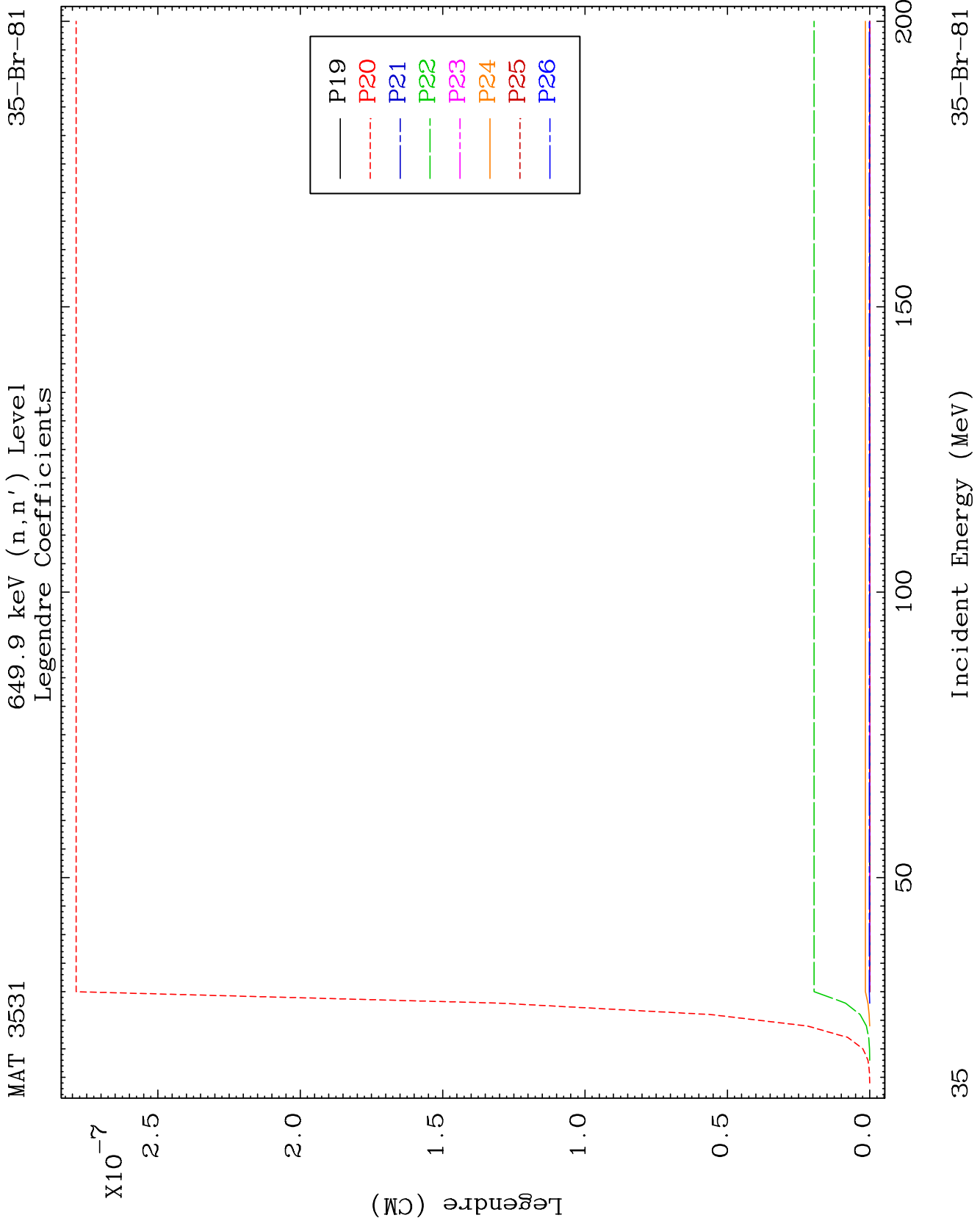


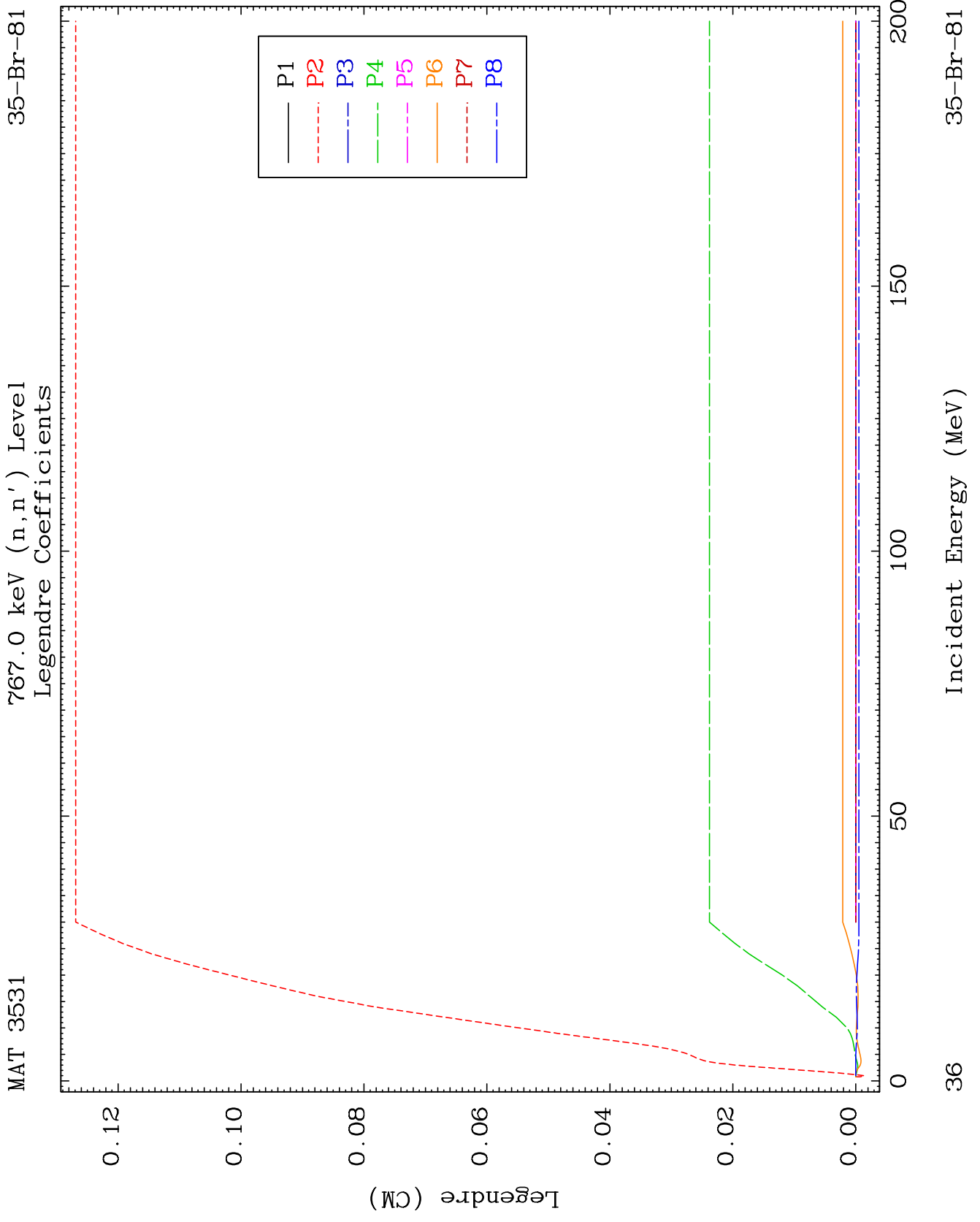
MAT 3531

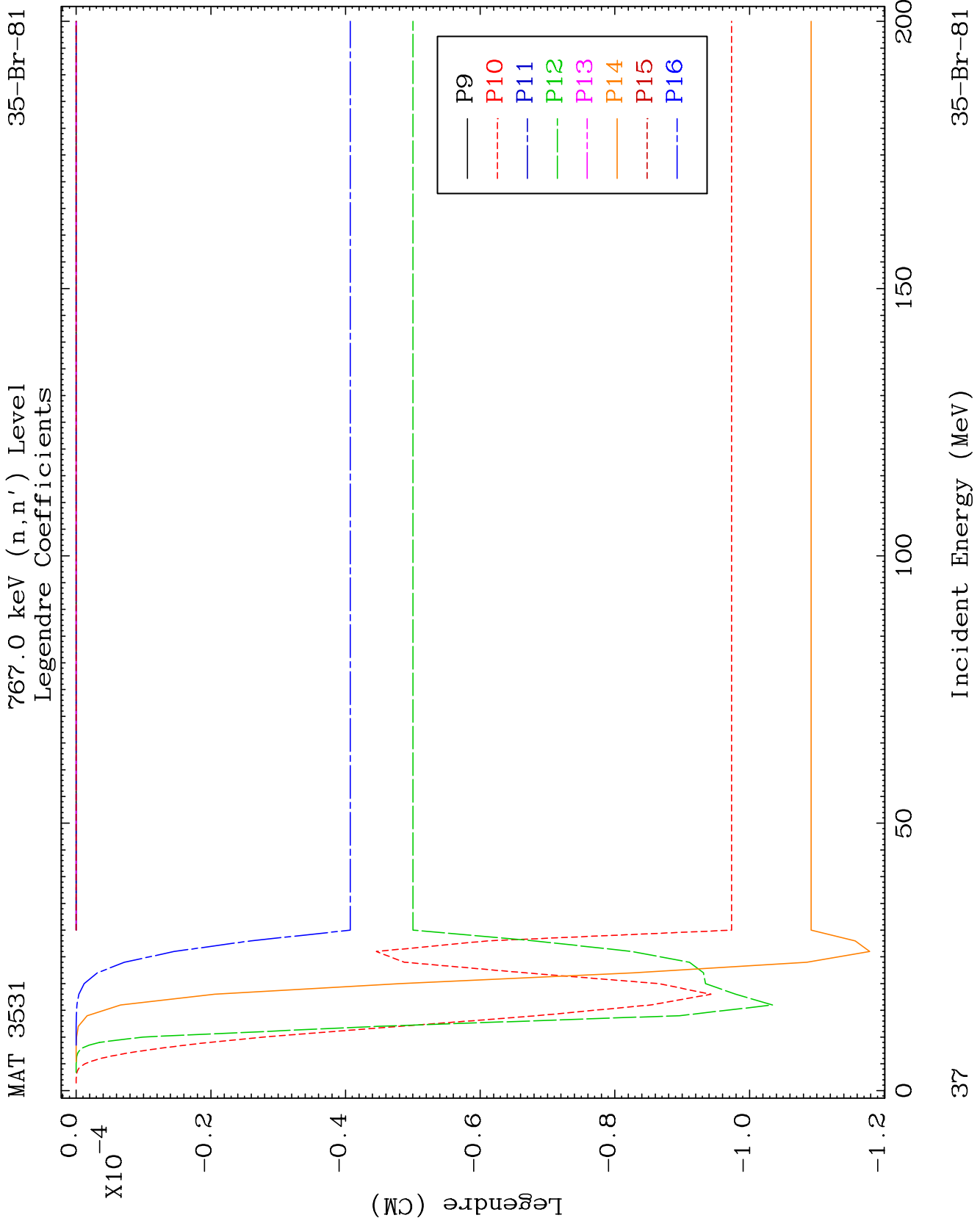
649.9 keV (n,n') Level
Legendre Coefficients

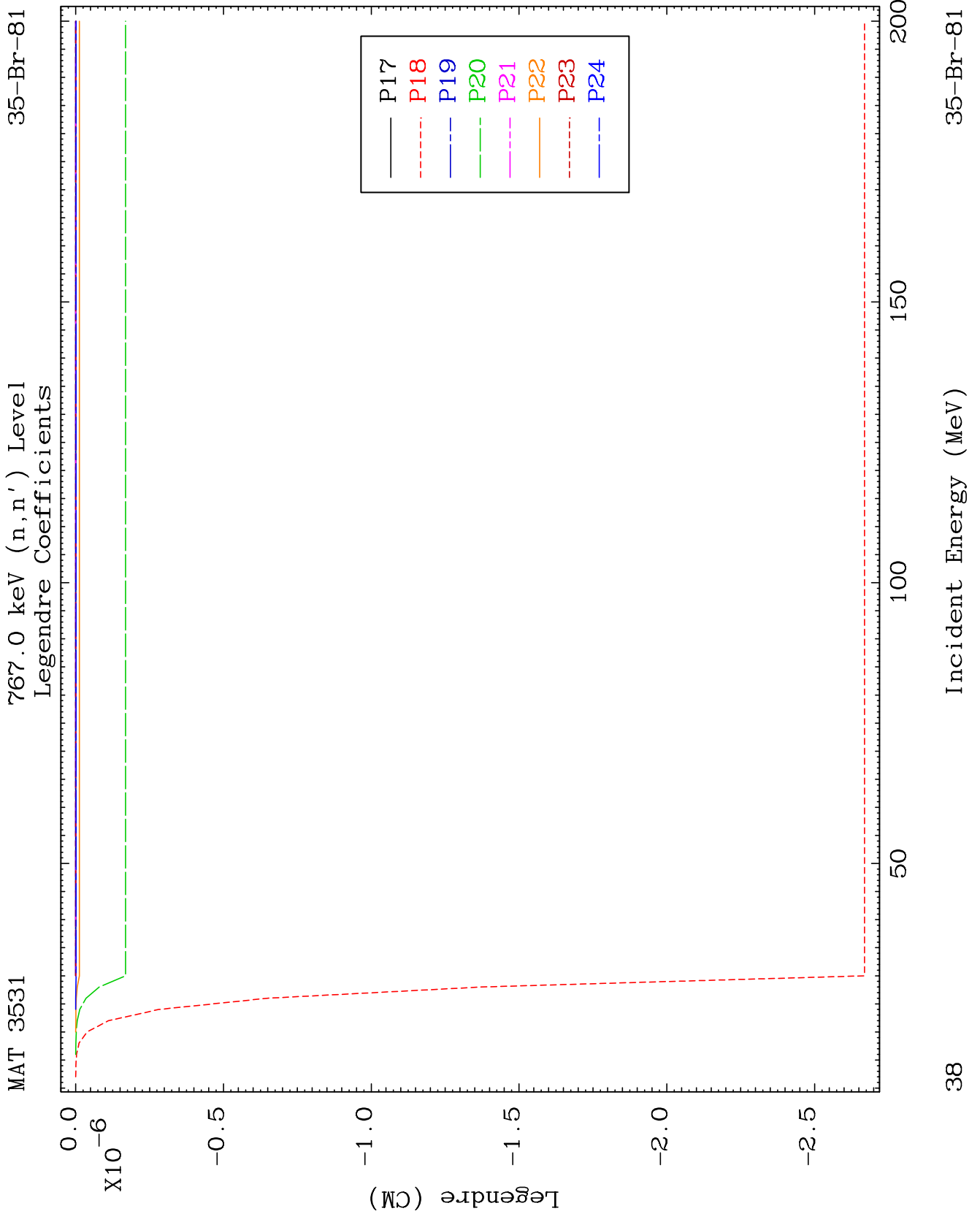
35-Br-81

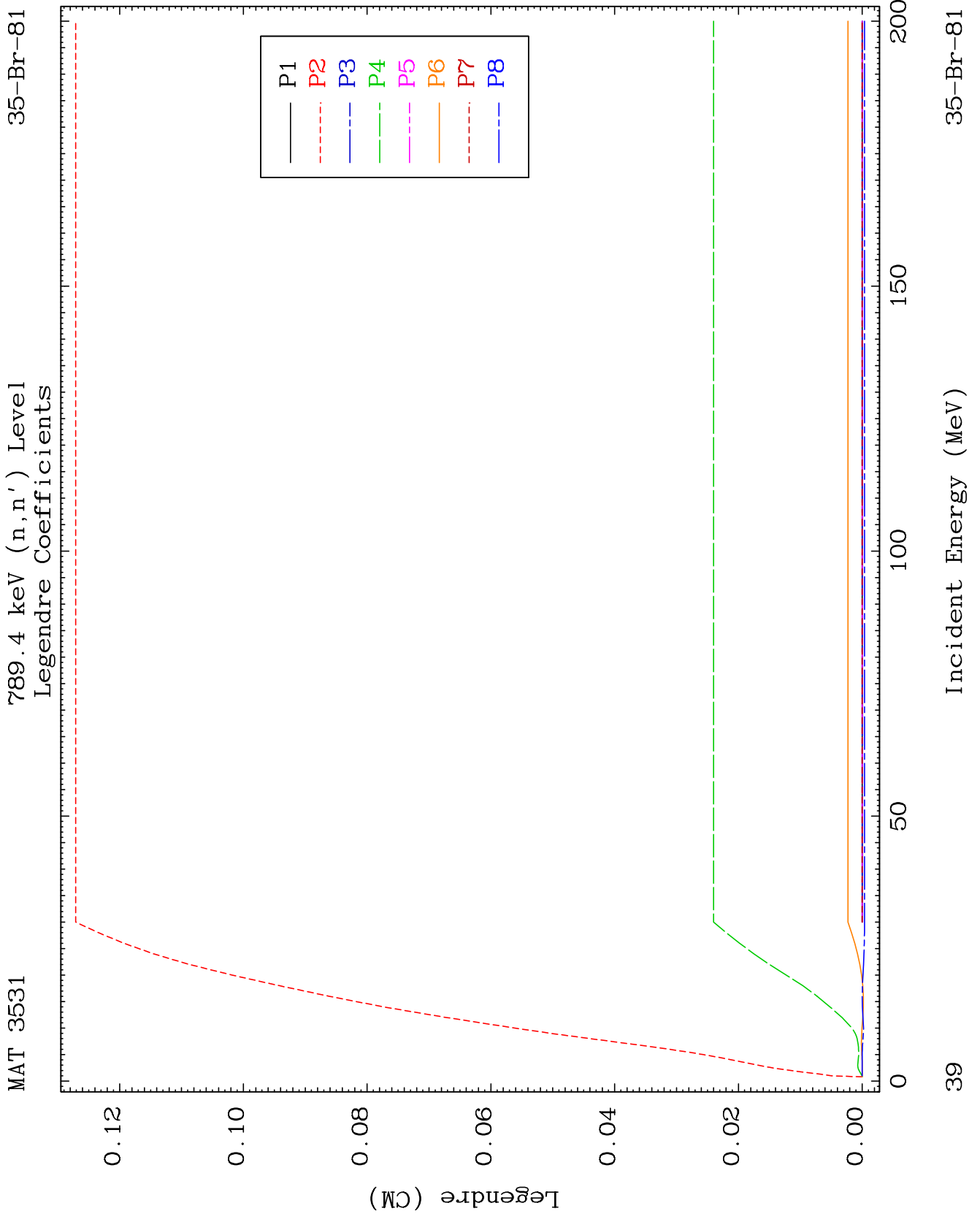








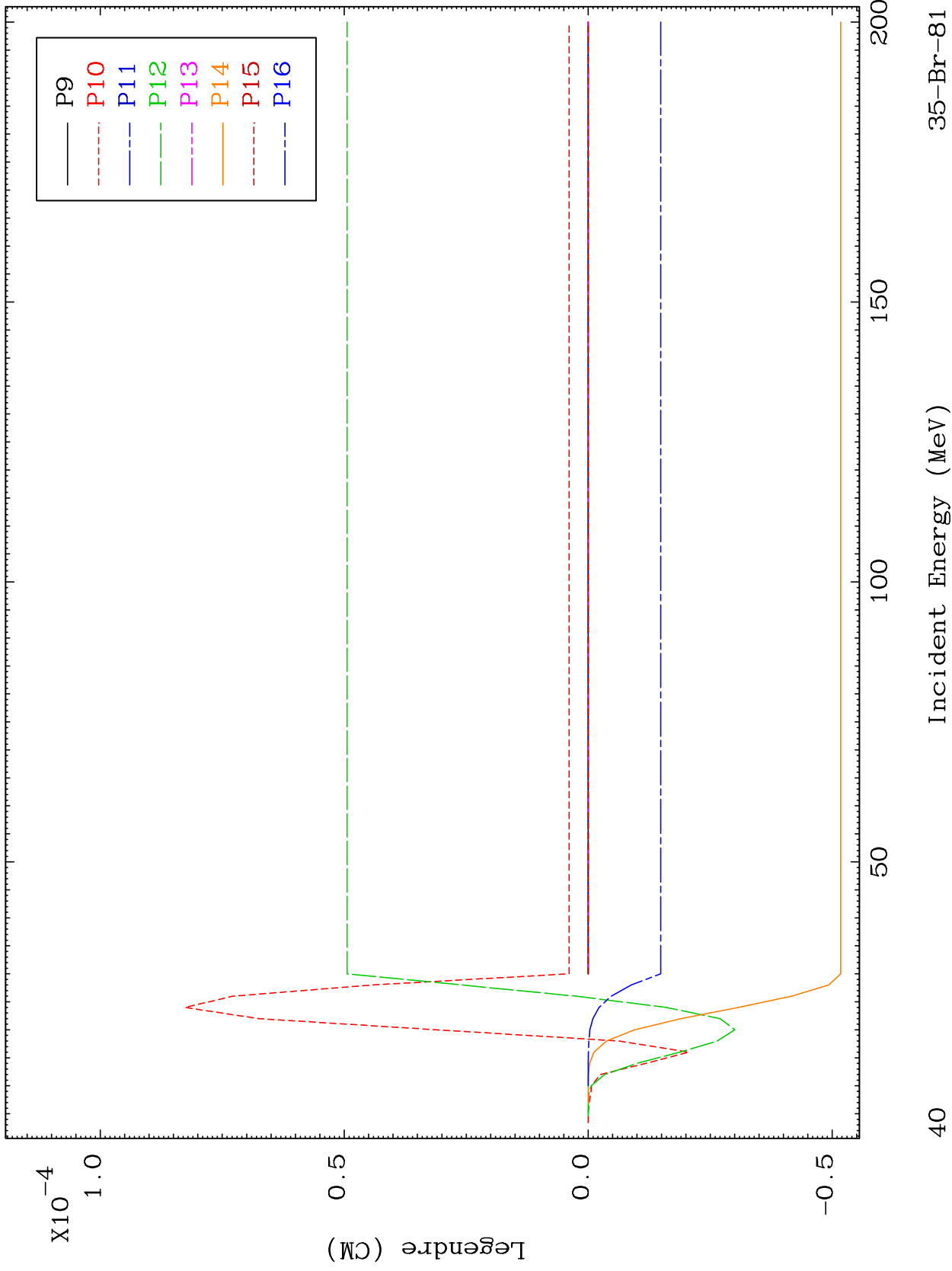




MAT 3531

789.4 keV (n,n') Level
Legendre Coefficients

35-Br-81



40

Incident Energy (MeV)

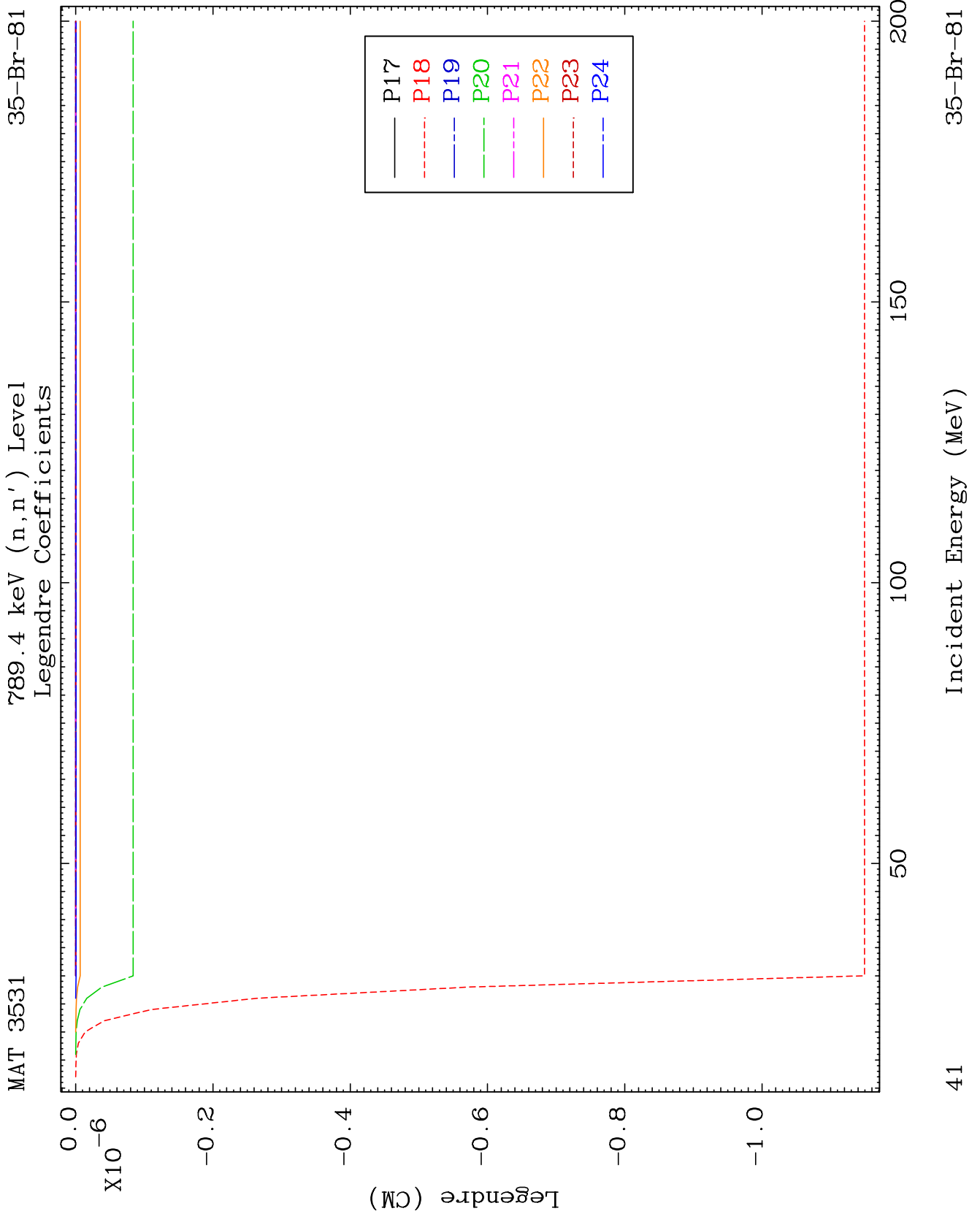
50

100

150

200

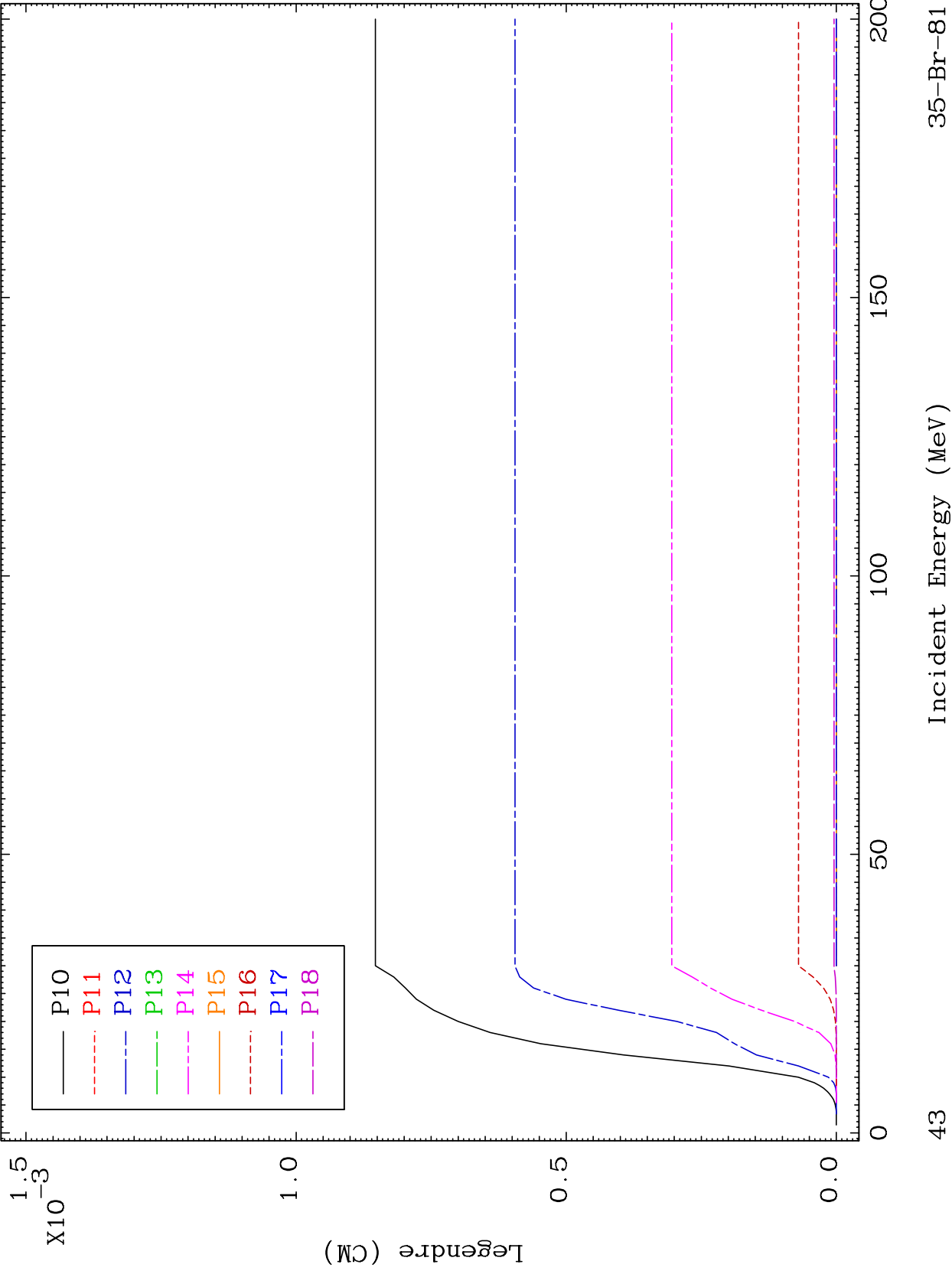
35-Br-81

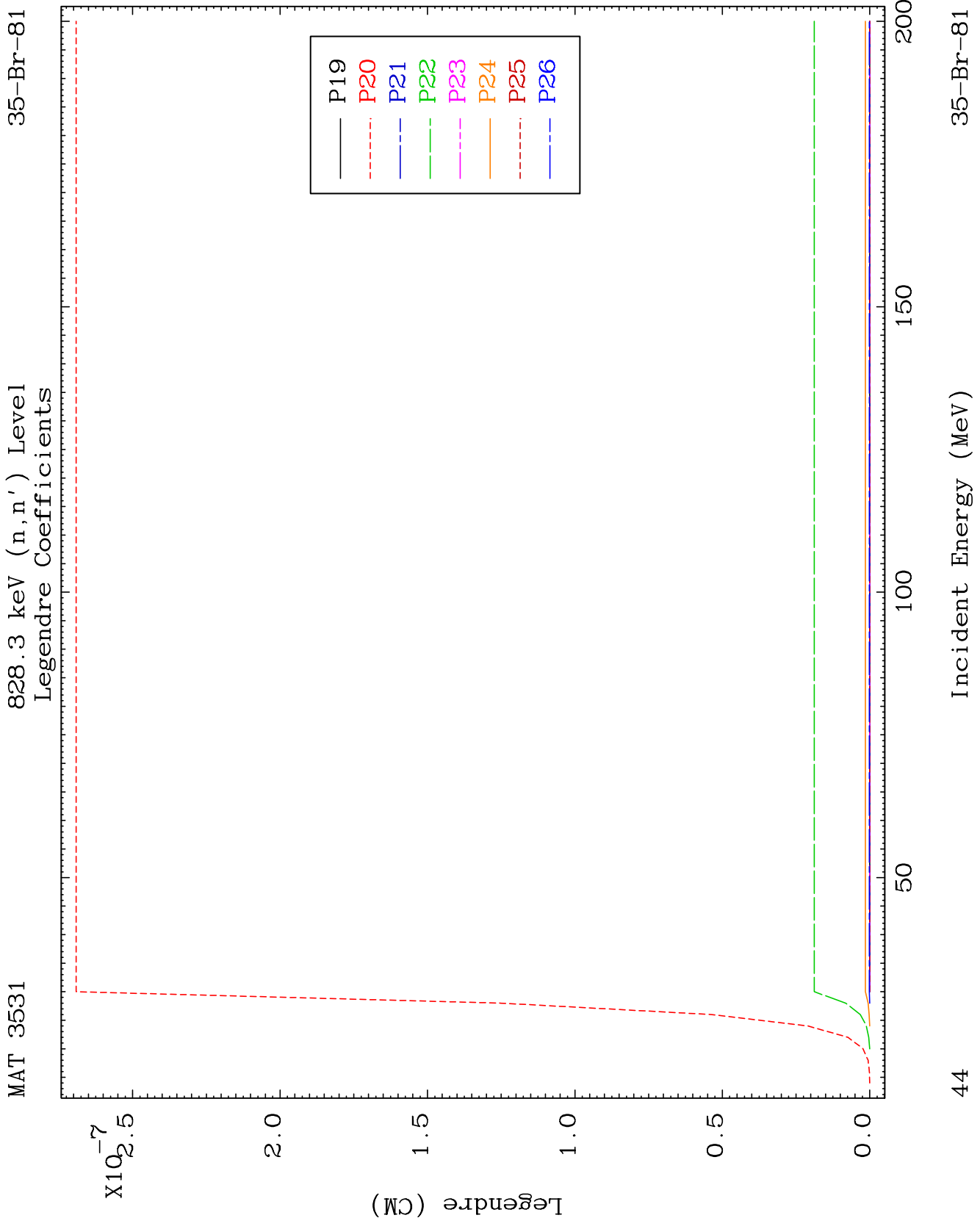


MAT 3531

828.3 keV (n,n') Level
Legendre Coefficients

35-Br-81

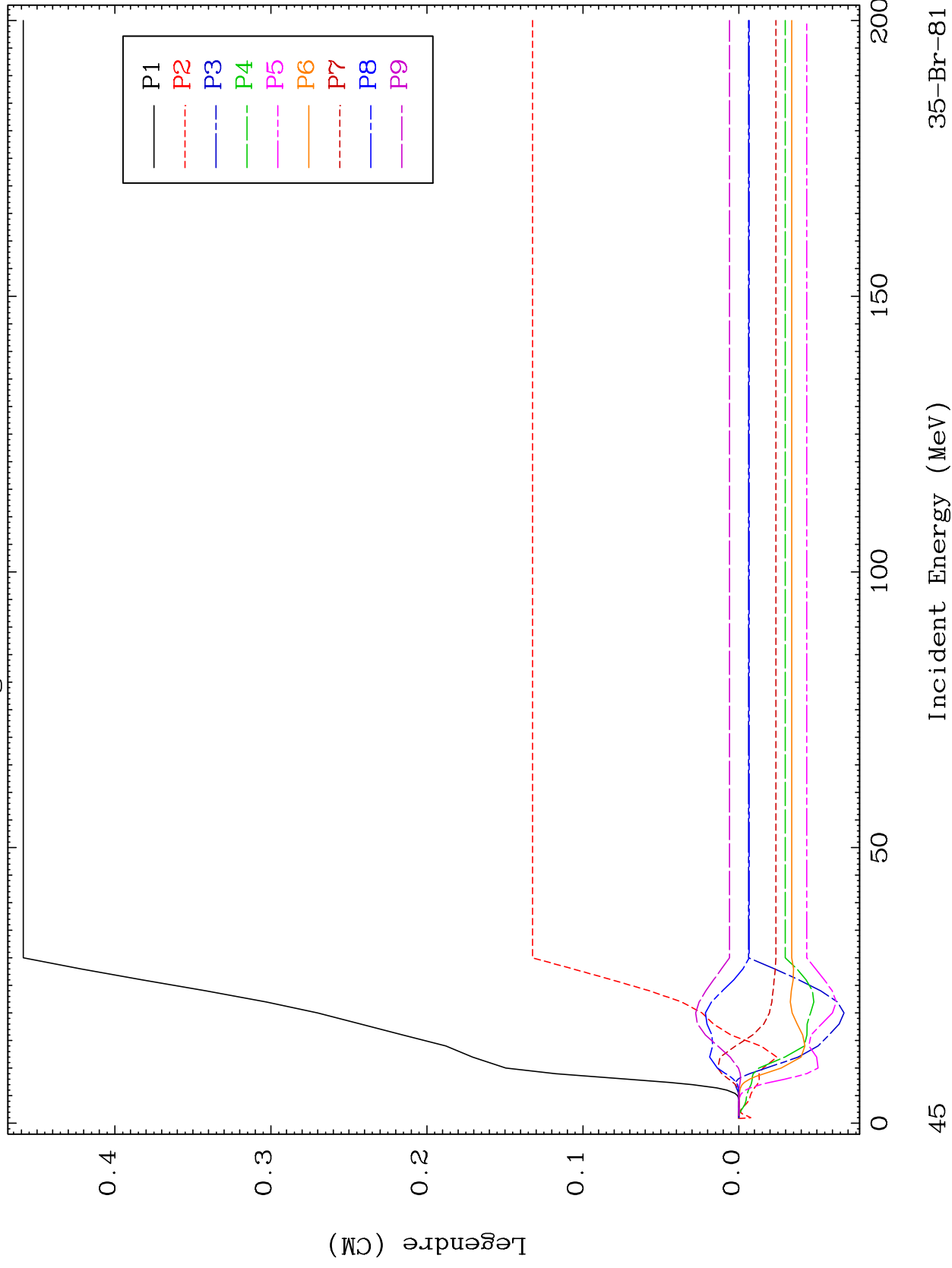




MAT 3531

836.8 keV (n,n') Level
Legendre Coefficients

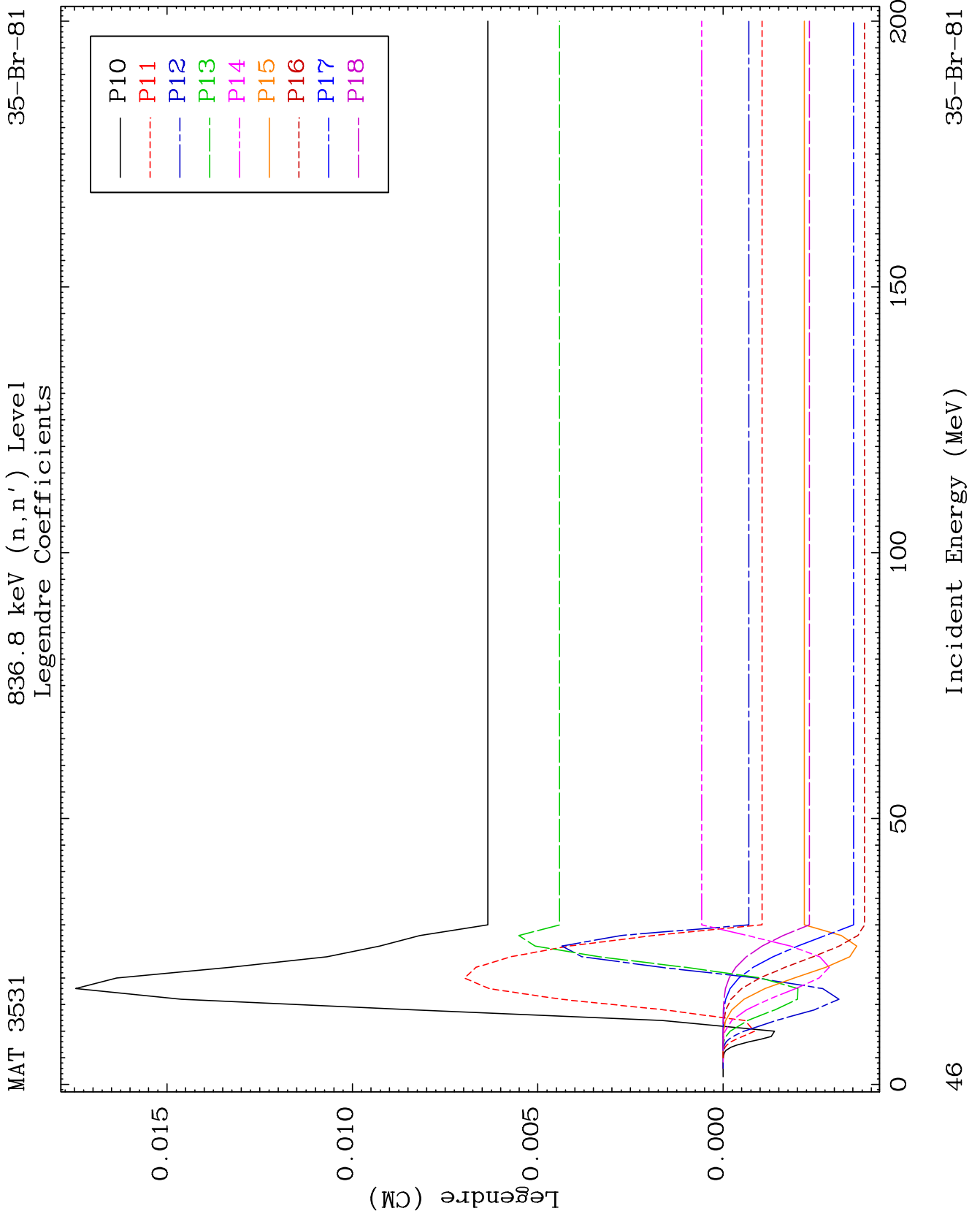
35-Br-81

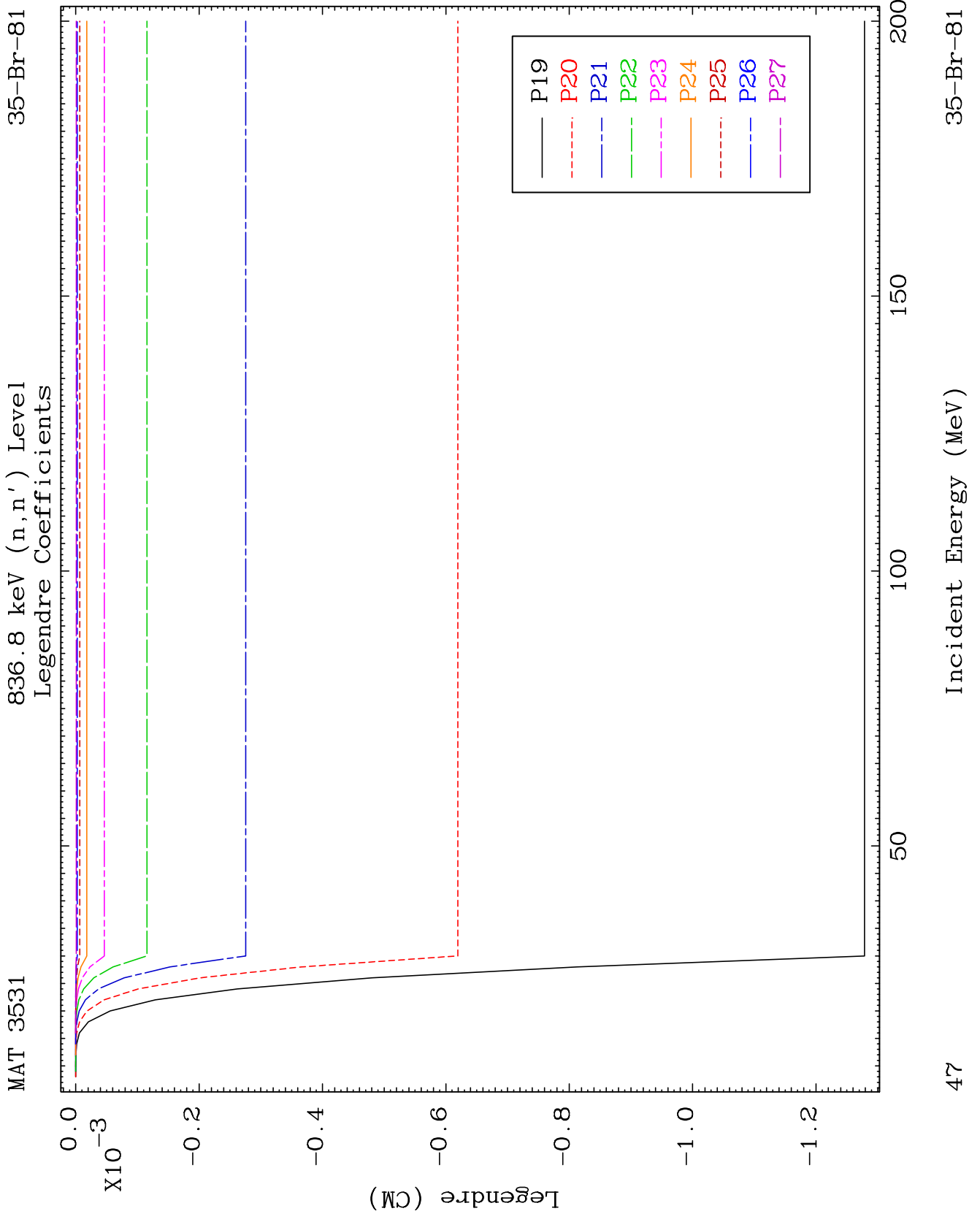


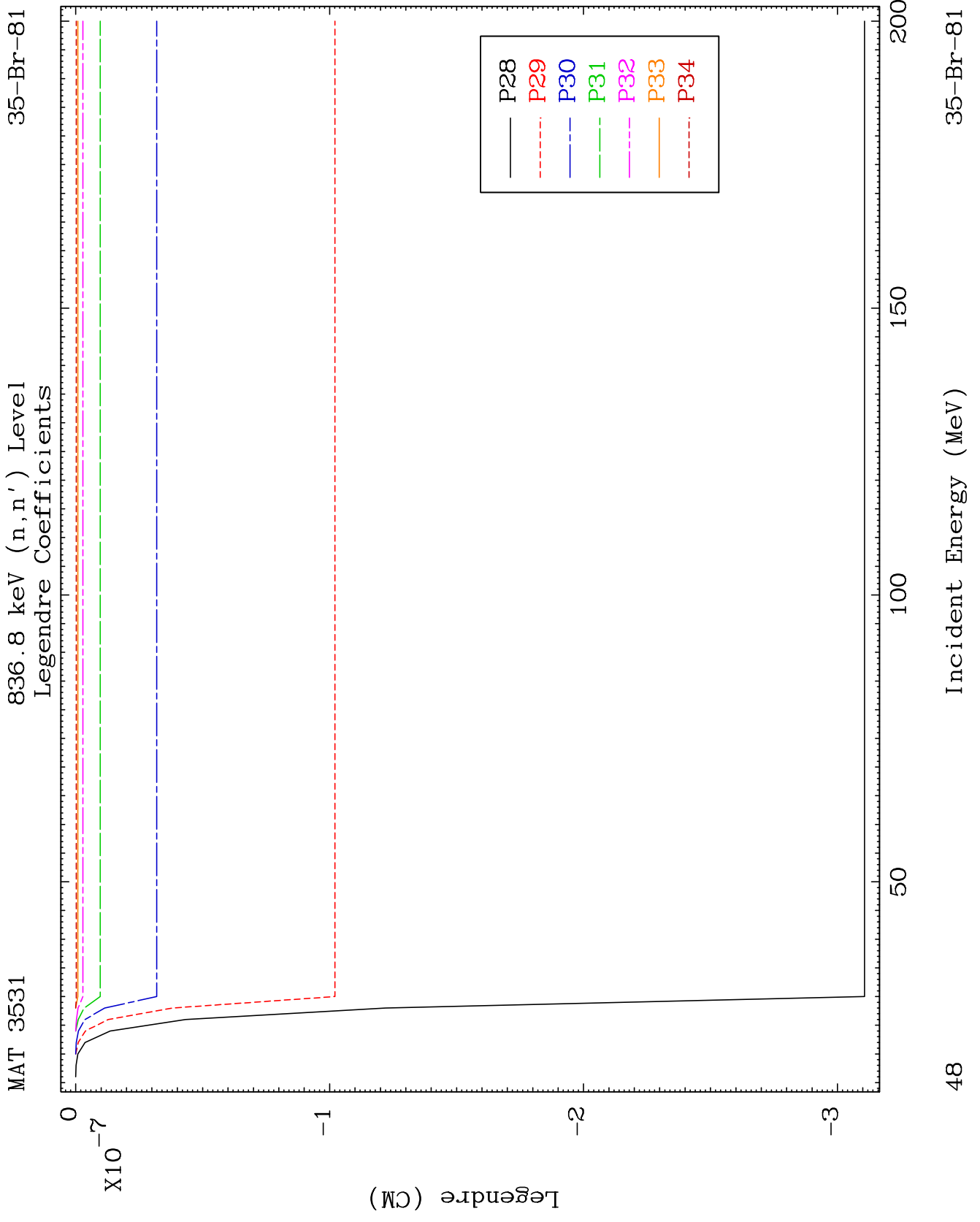
35-Br-81

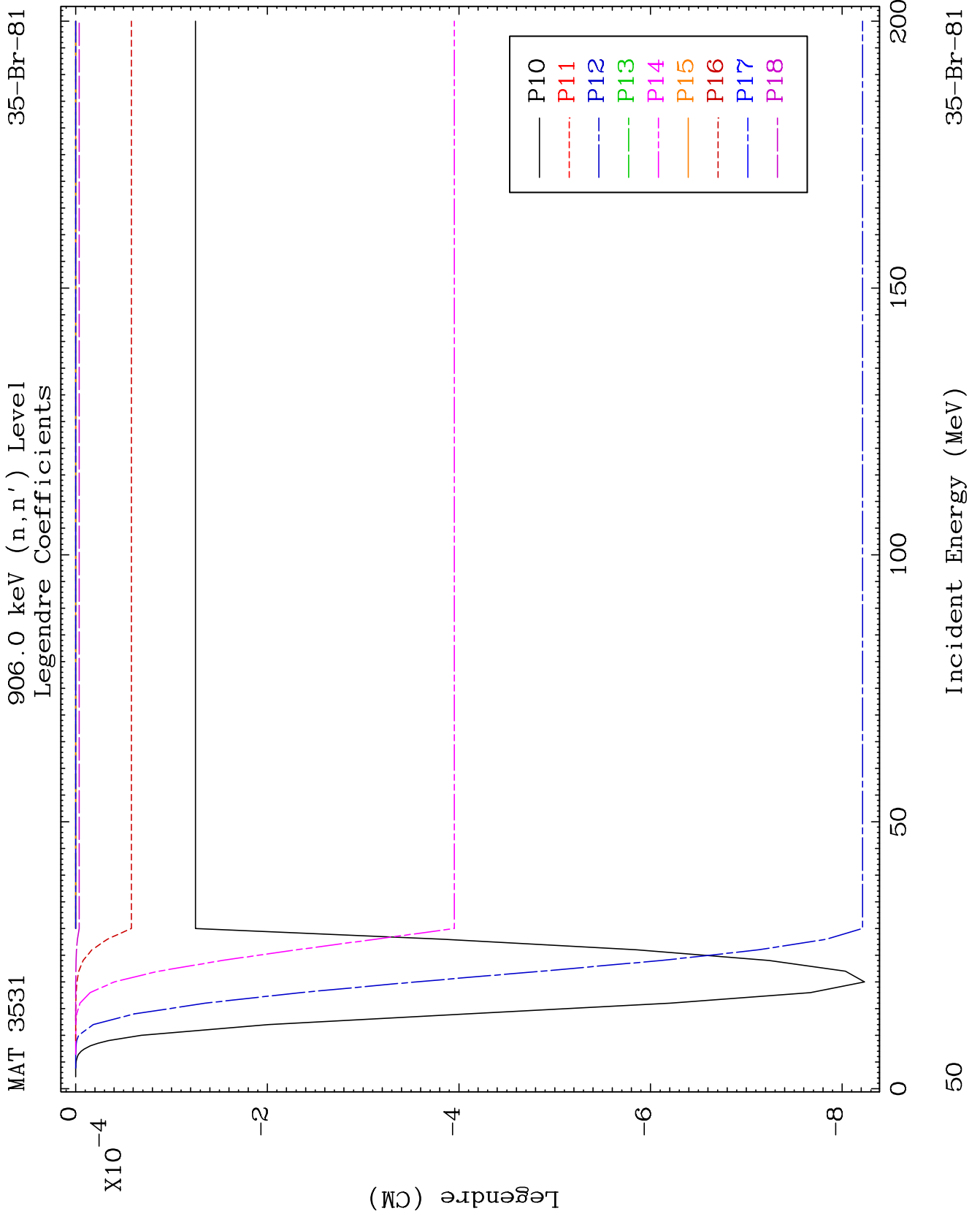
Incident Energy (MeV)

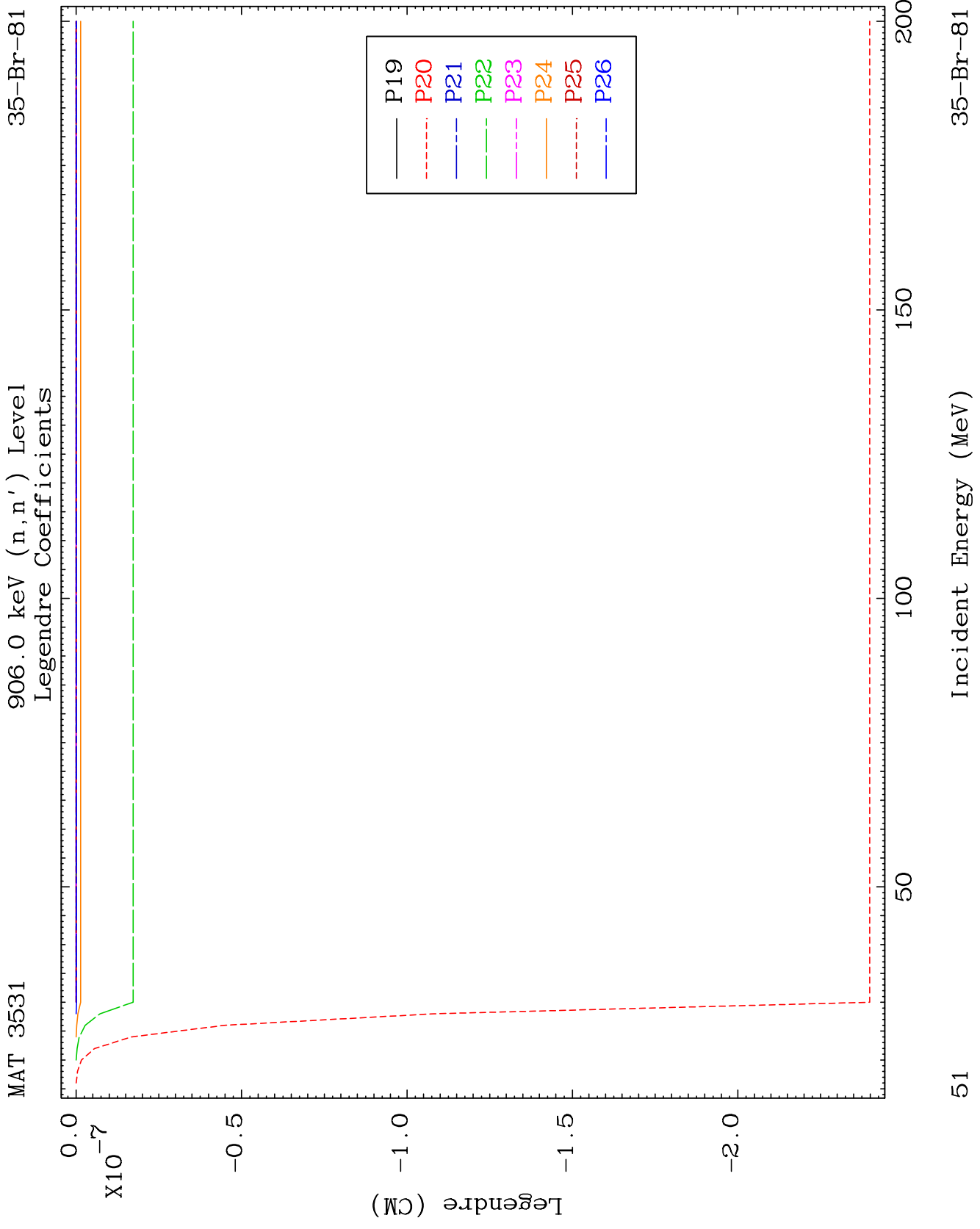
45

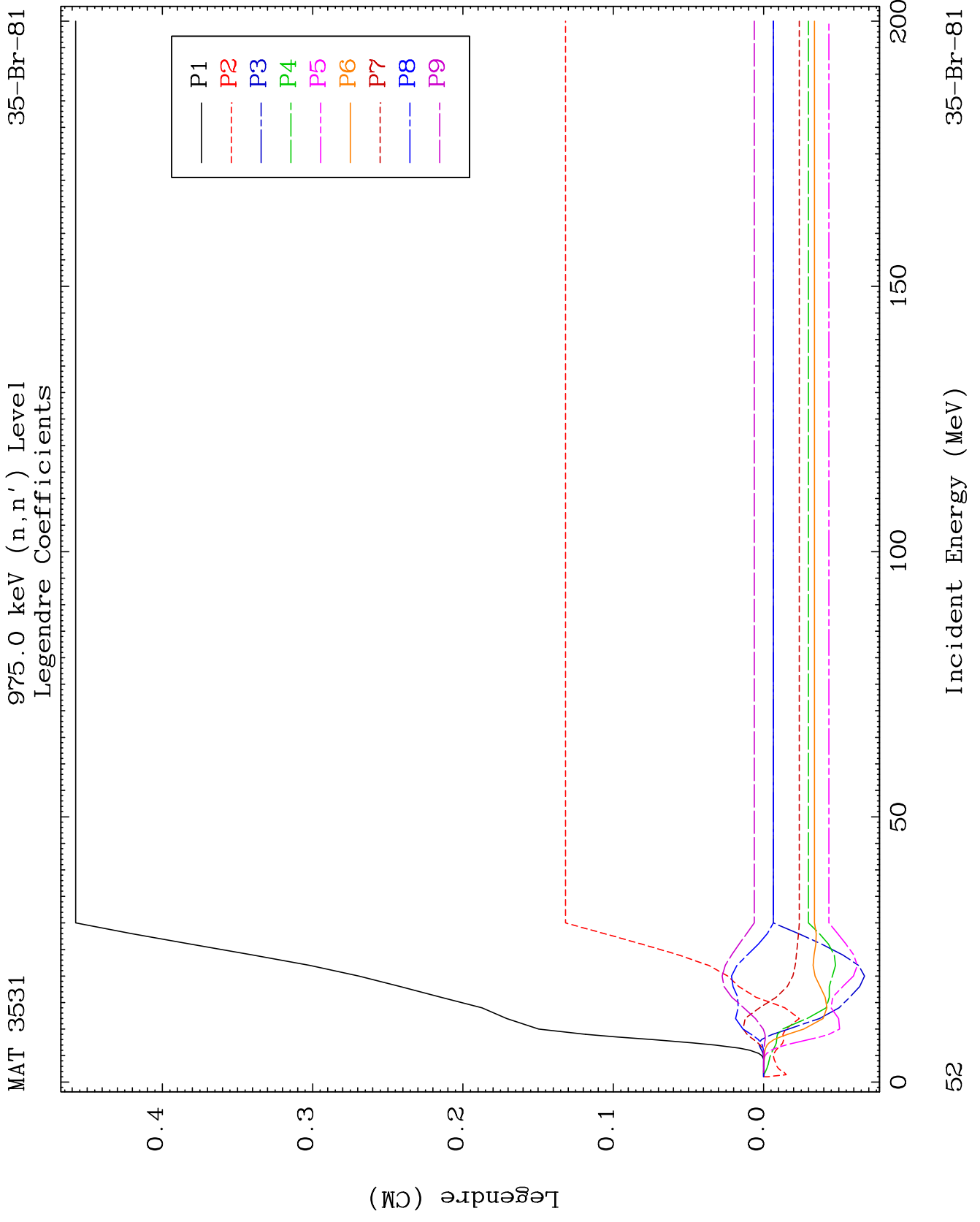


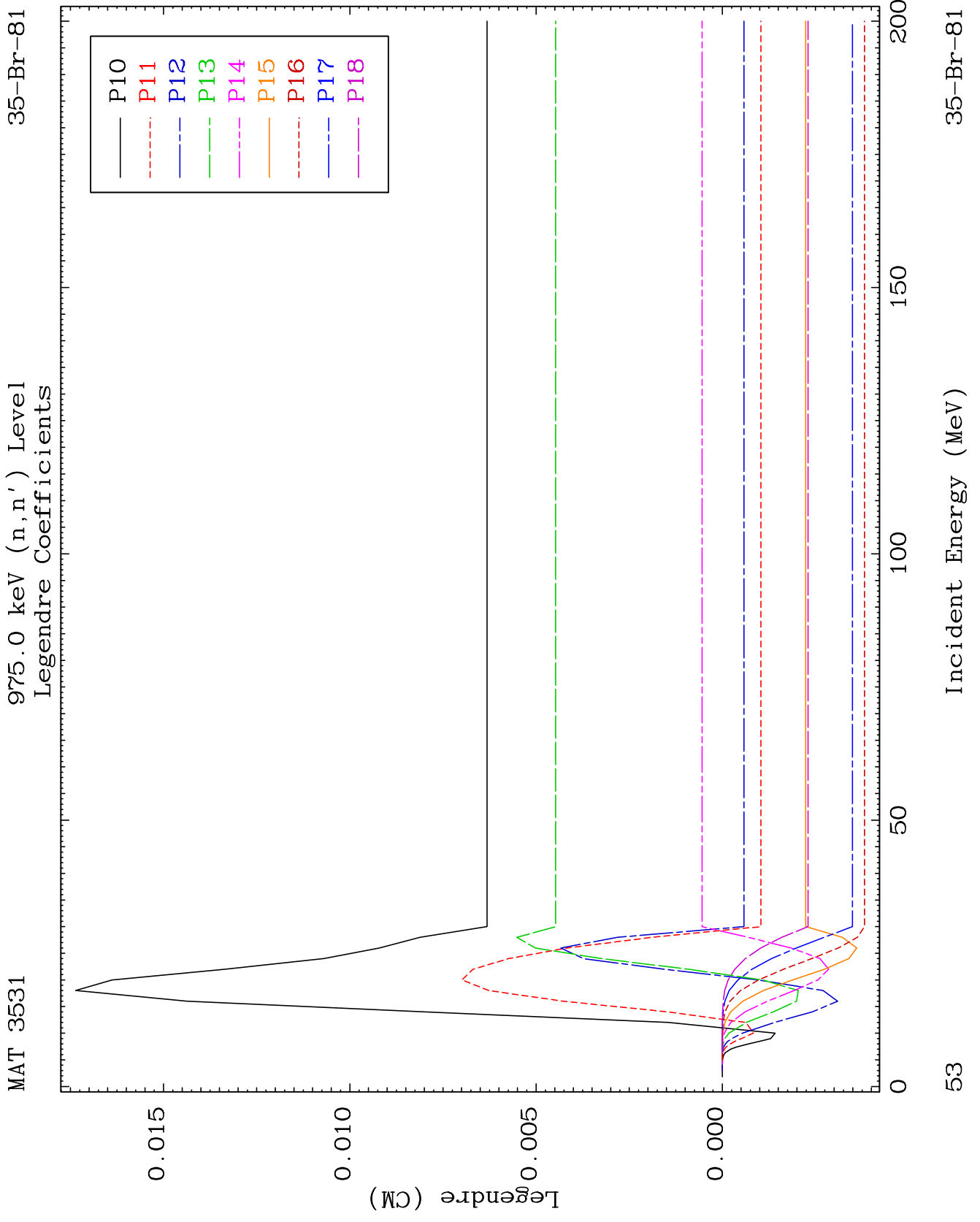


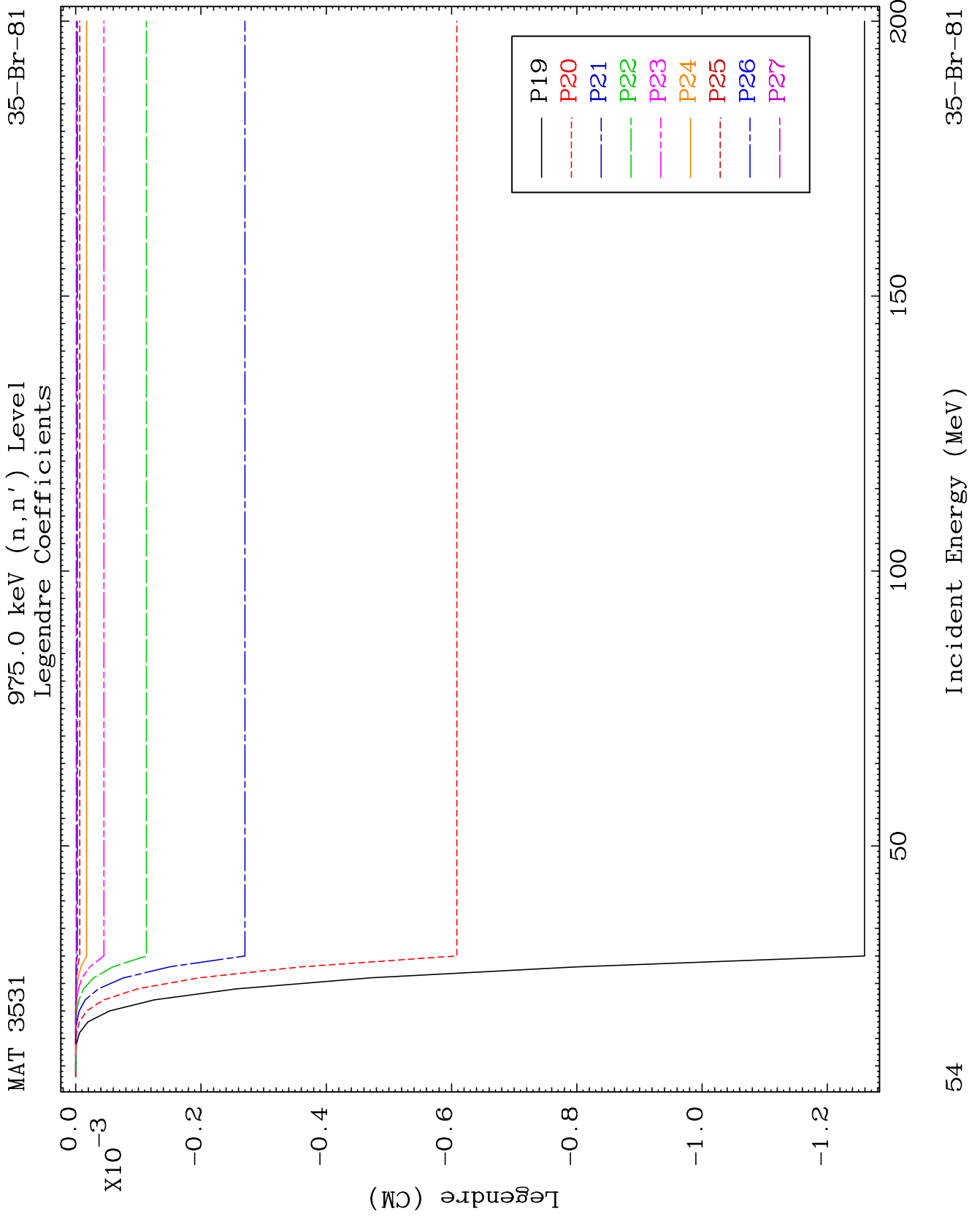


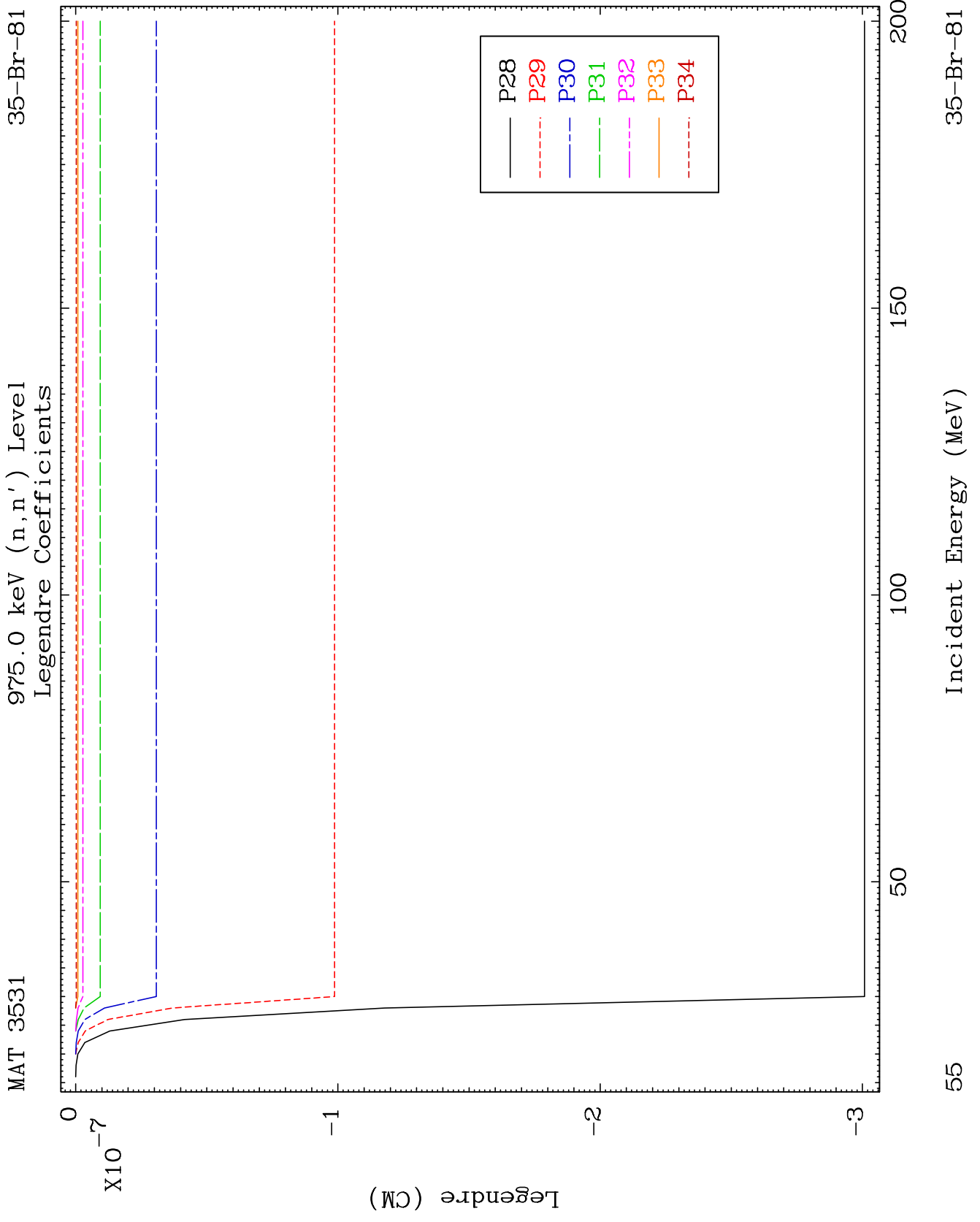


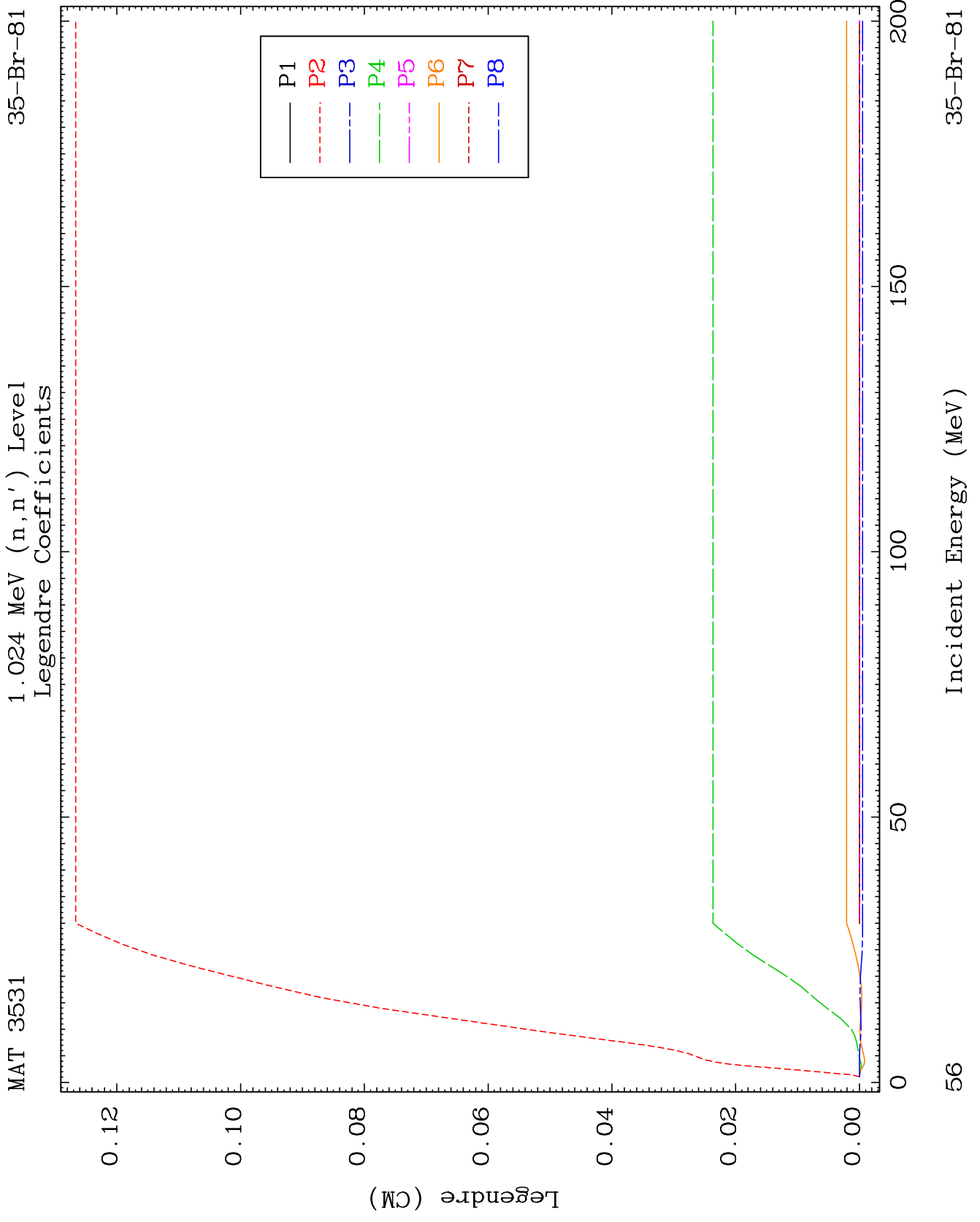


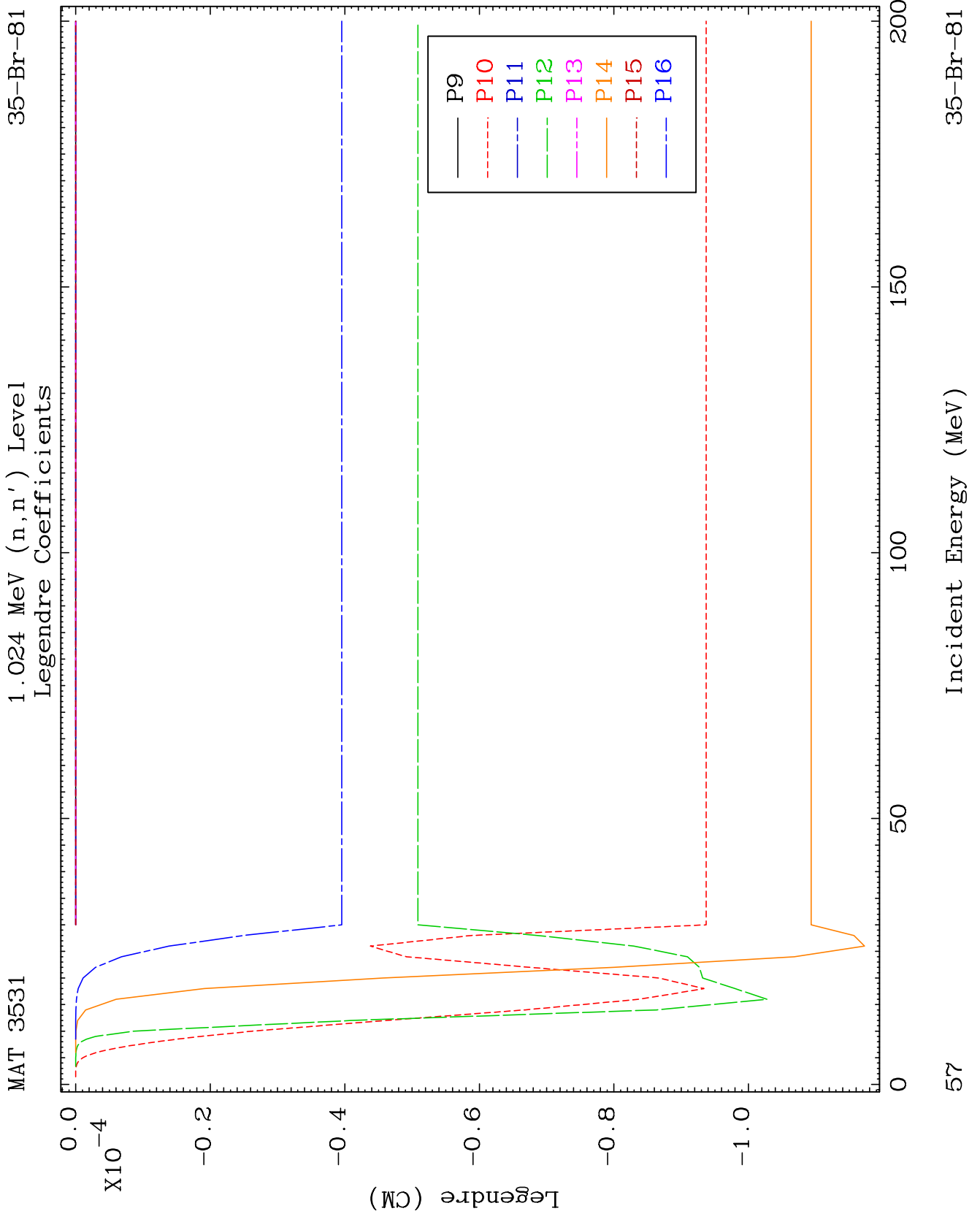


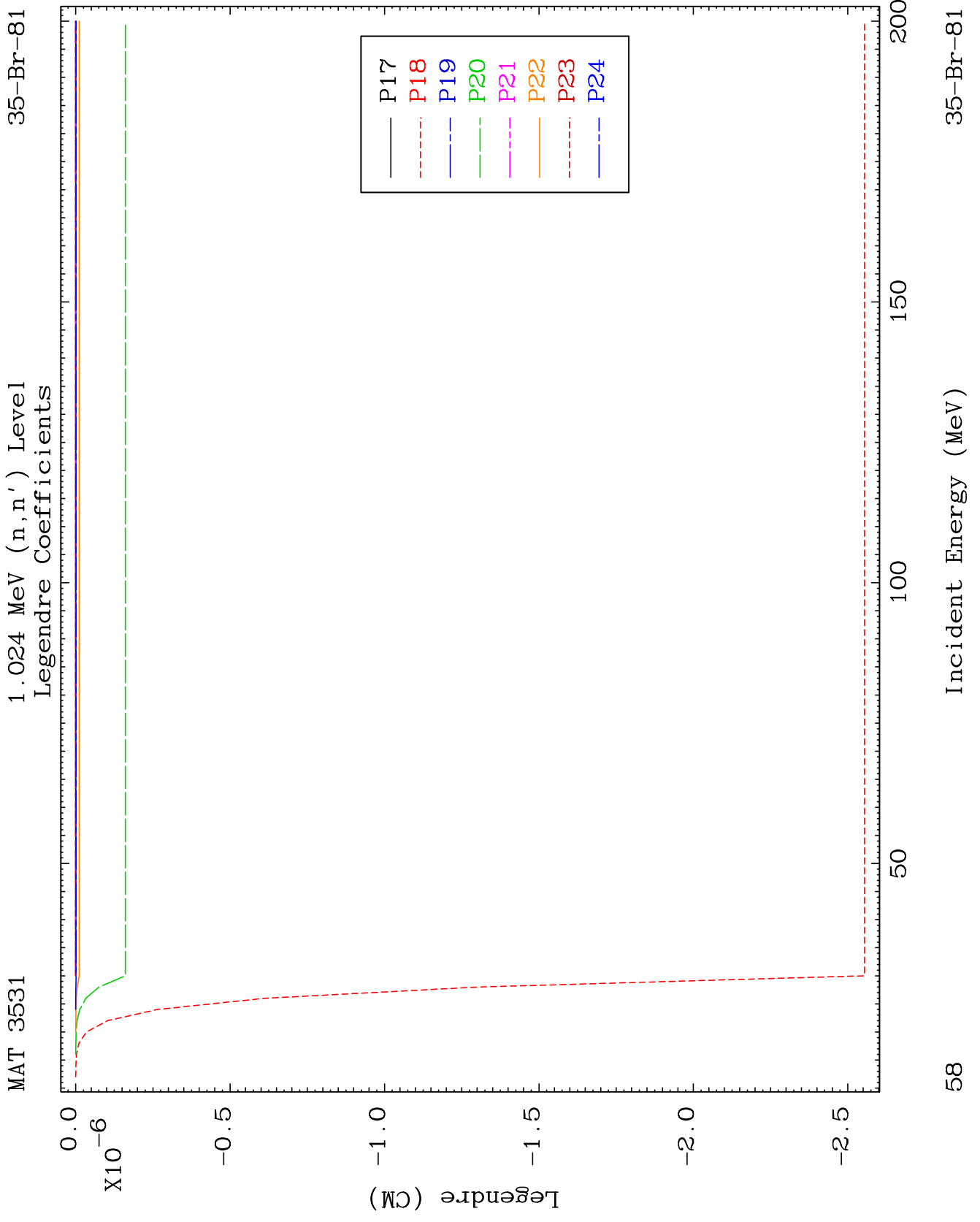


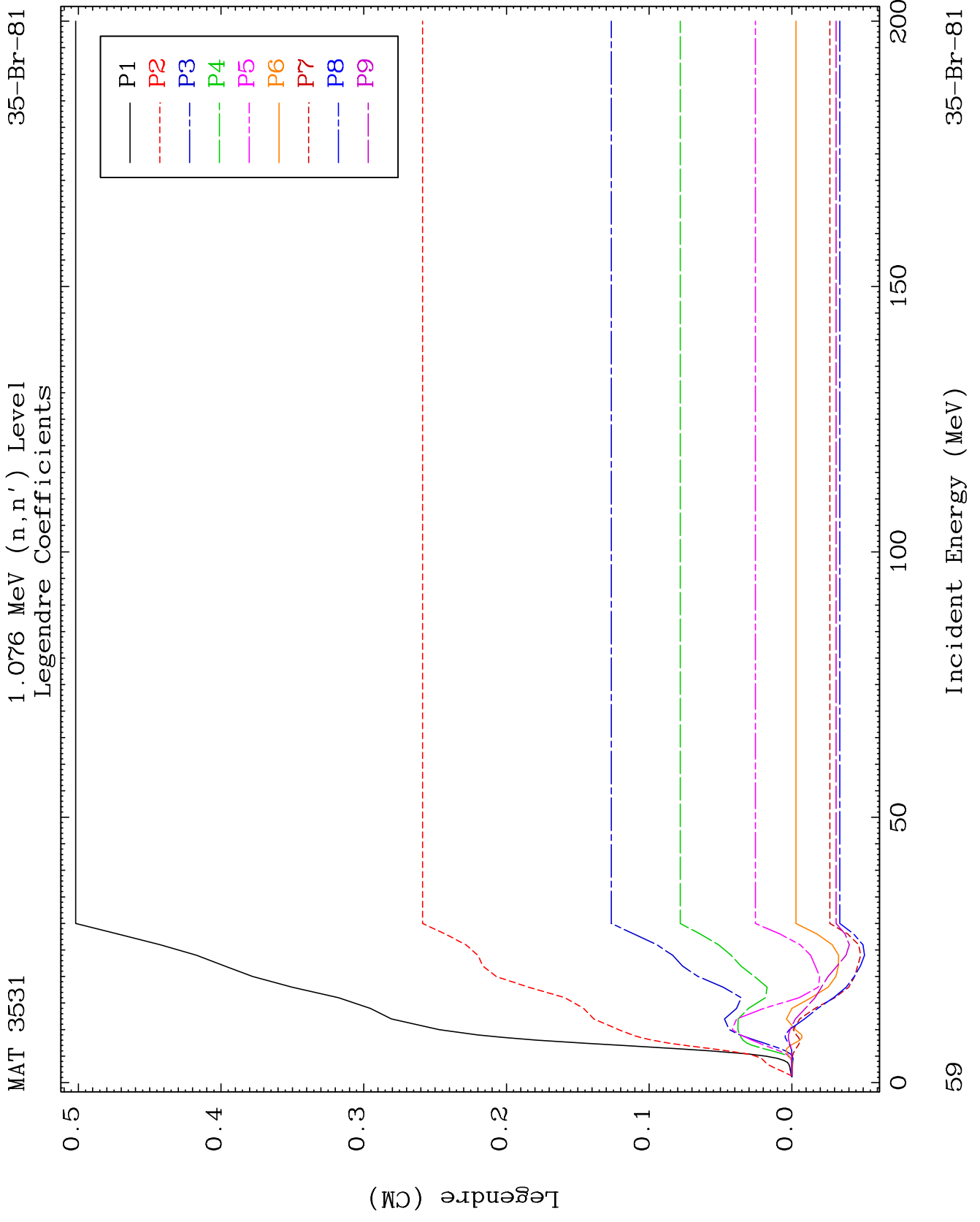








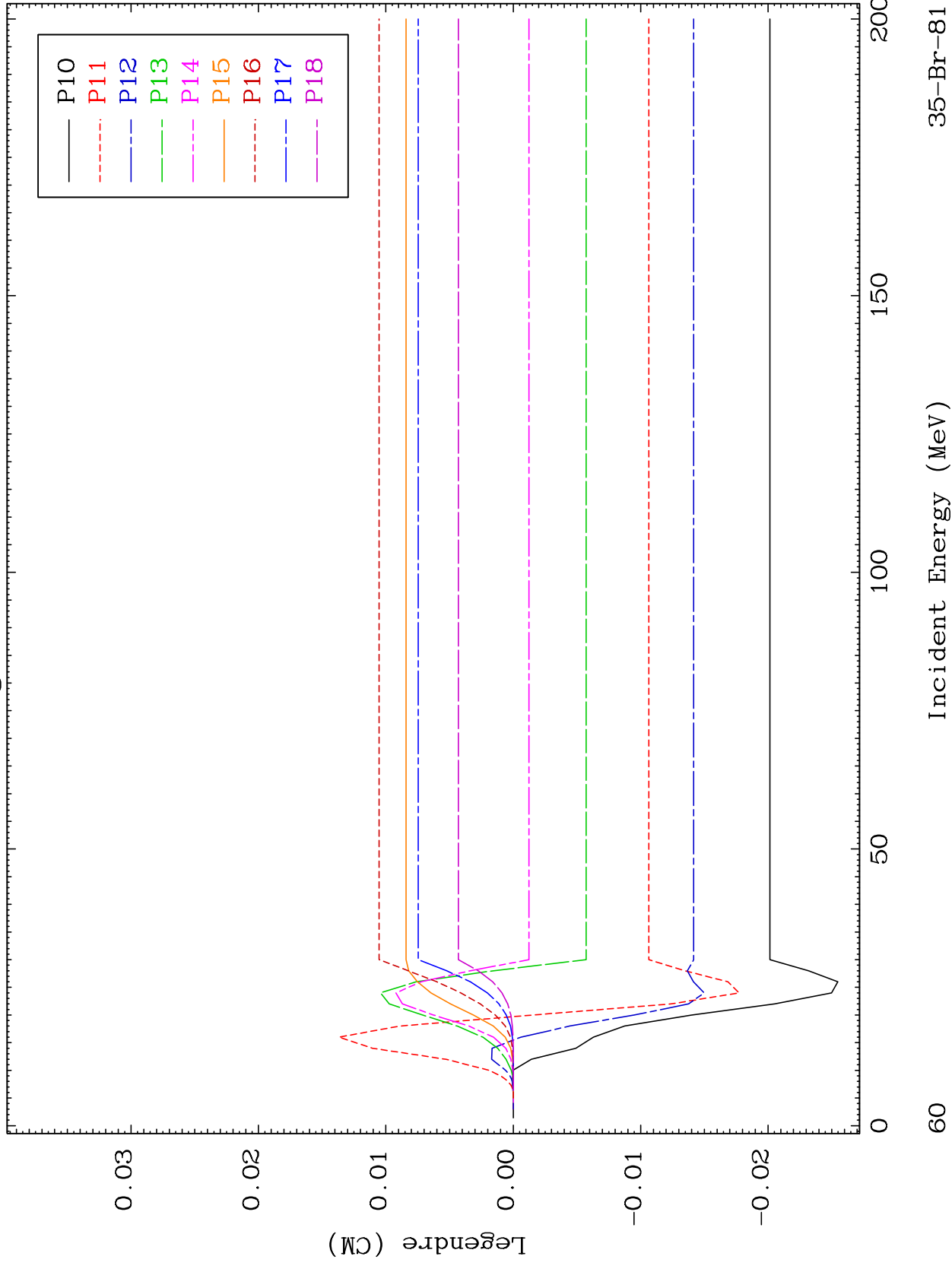




MAT 3531

1.076 MeV (n,n') Level
Legendre Coefficients

35-Br-81

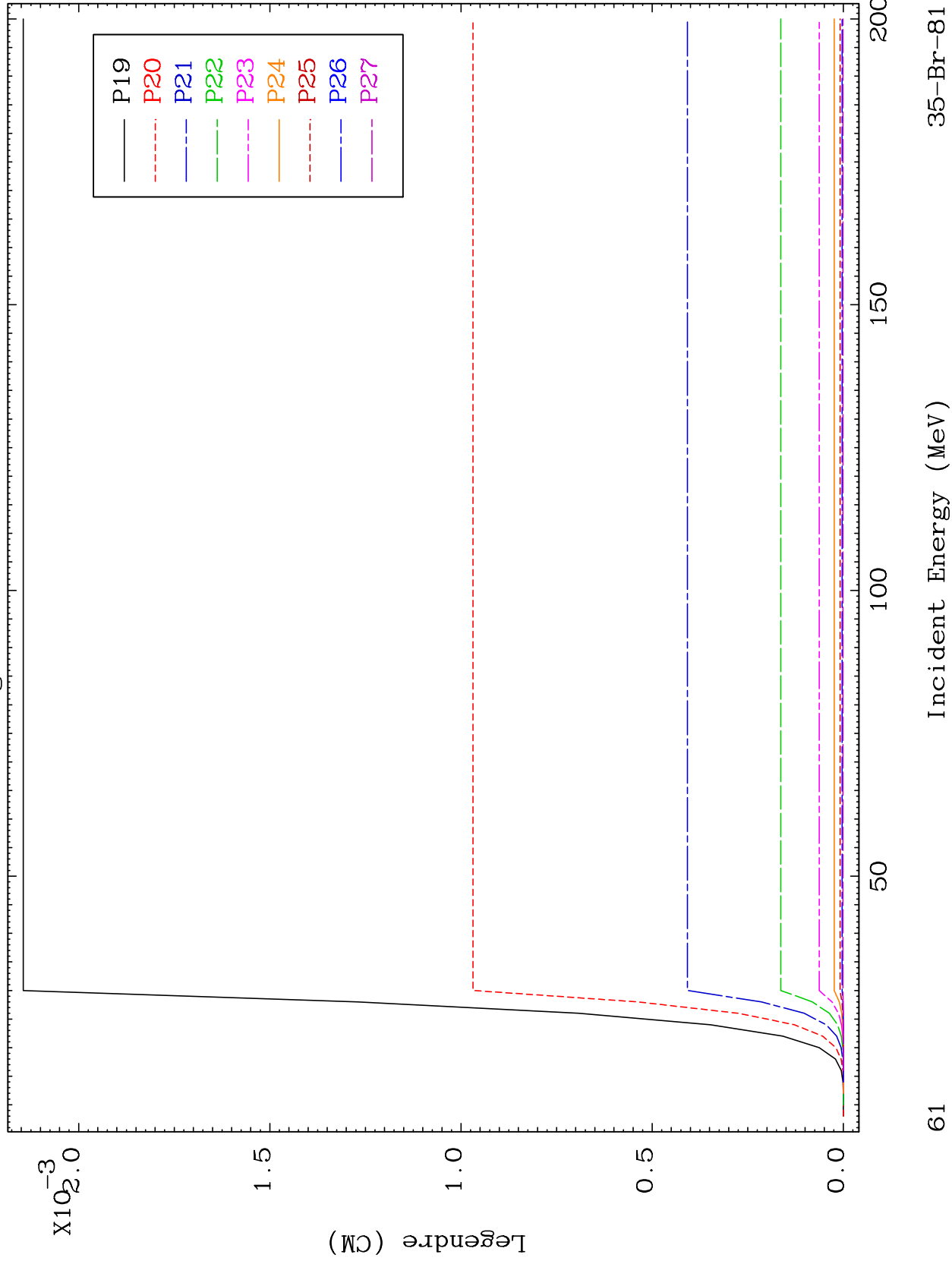


35-Br-81

MAT 3531

1.076 MeV (n,n') Level
Legendre Coefficients

35-Br-81



61

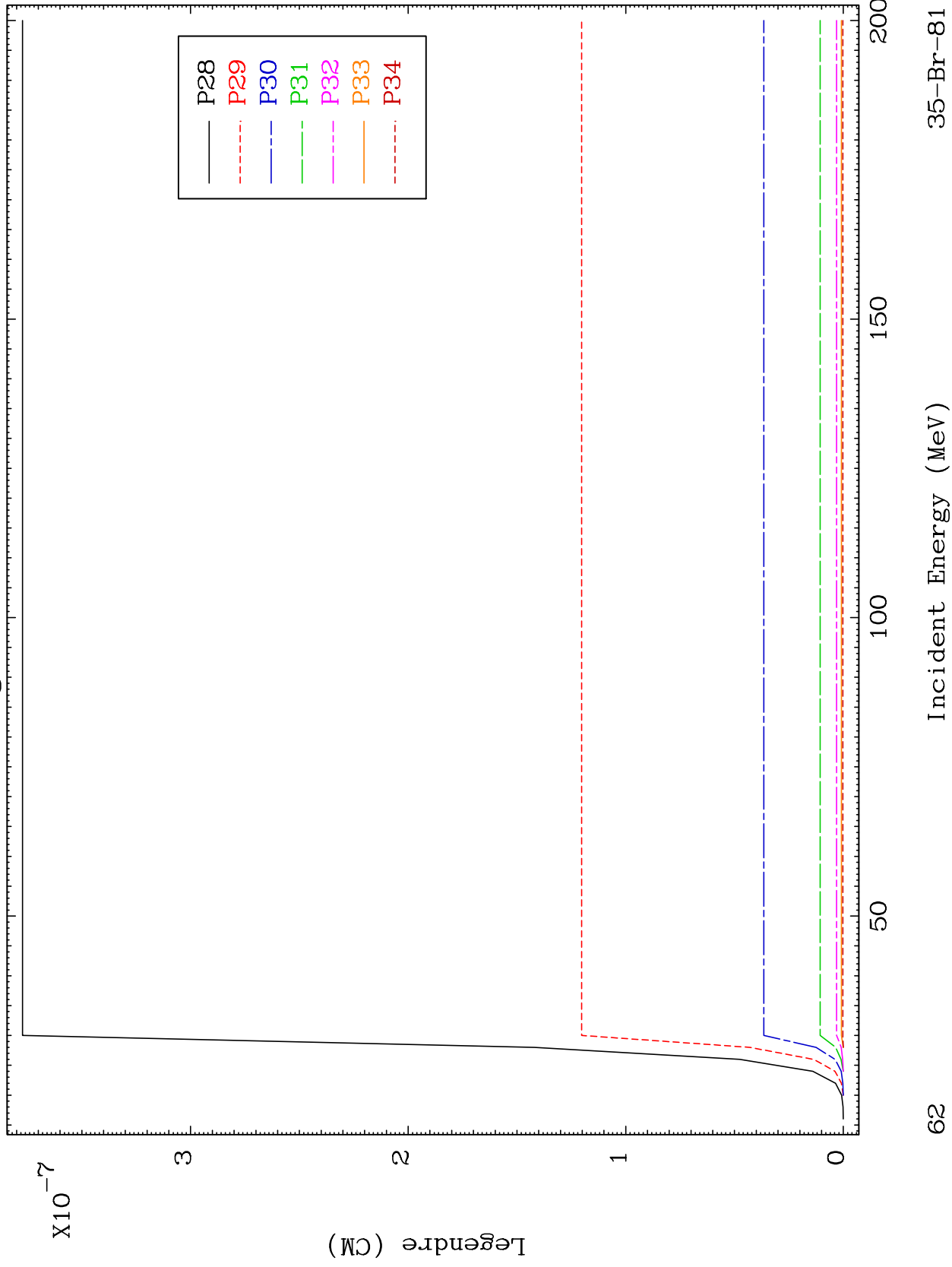
Incident Energy (MeV)

35-Br-81

MAT 3531

1.076 MeV (n,n') Level
Legendre Coefficients

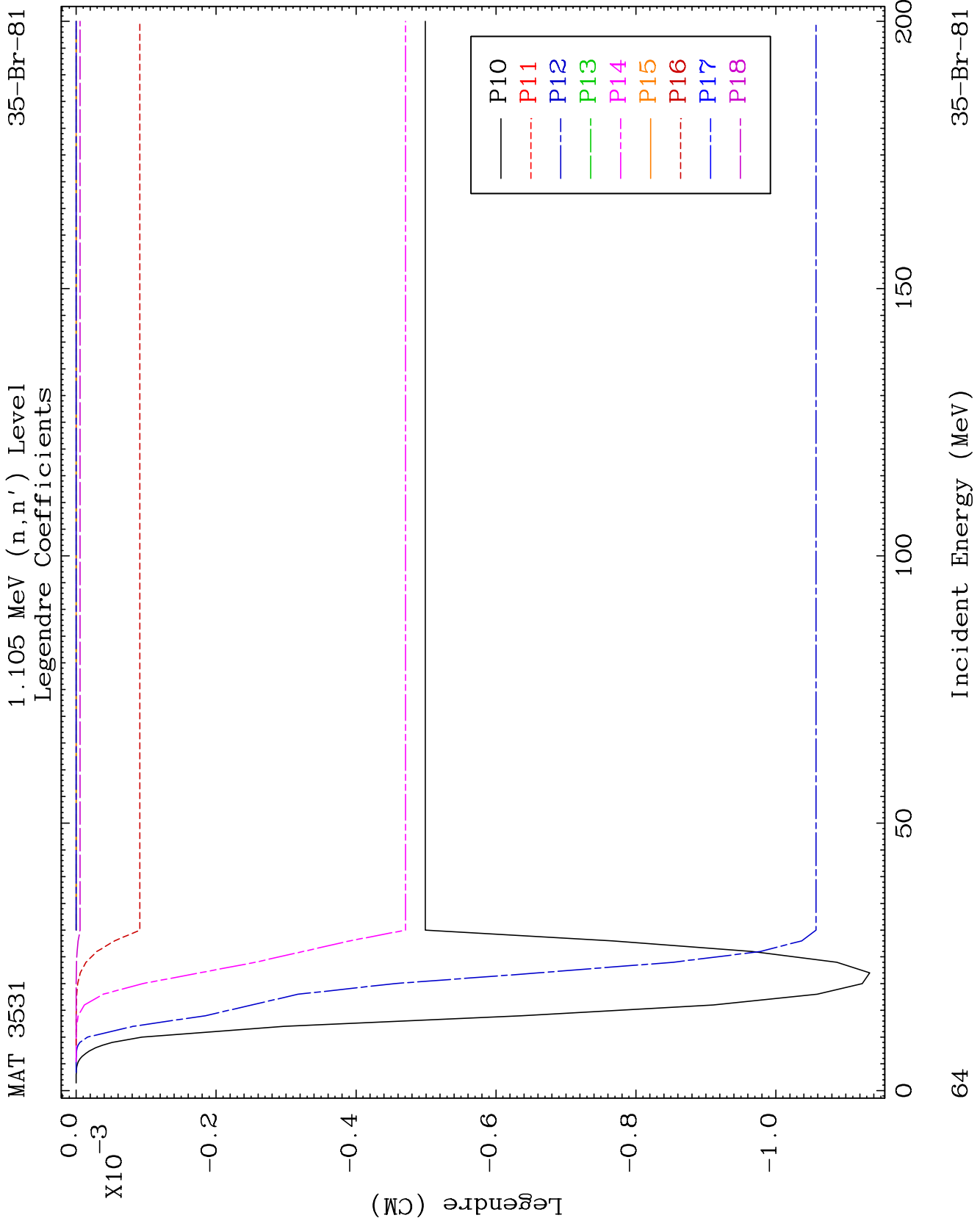
35-Br-81

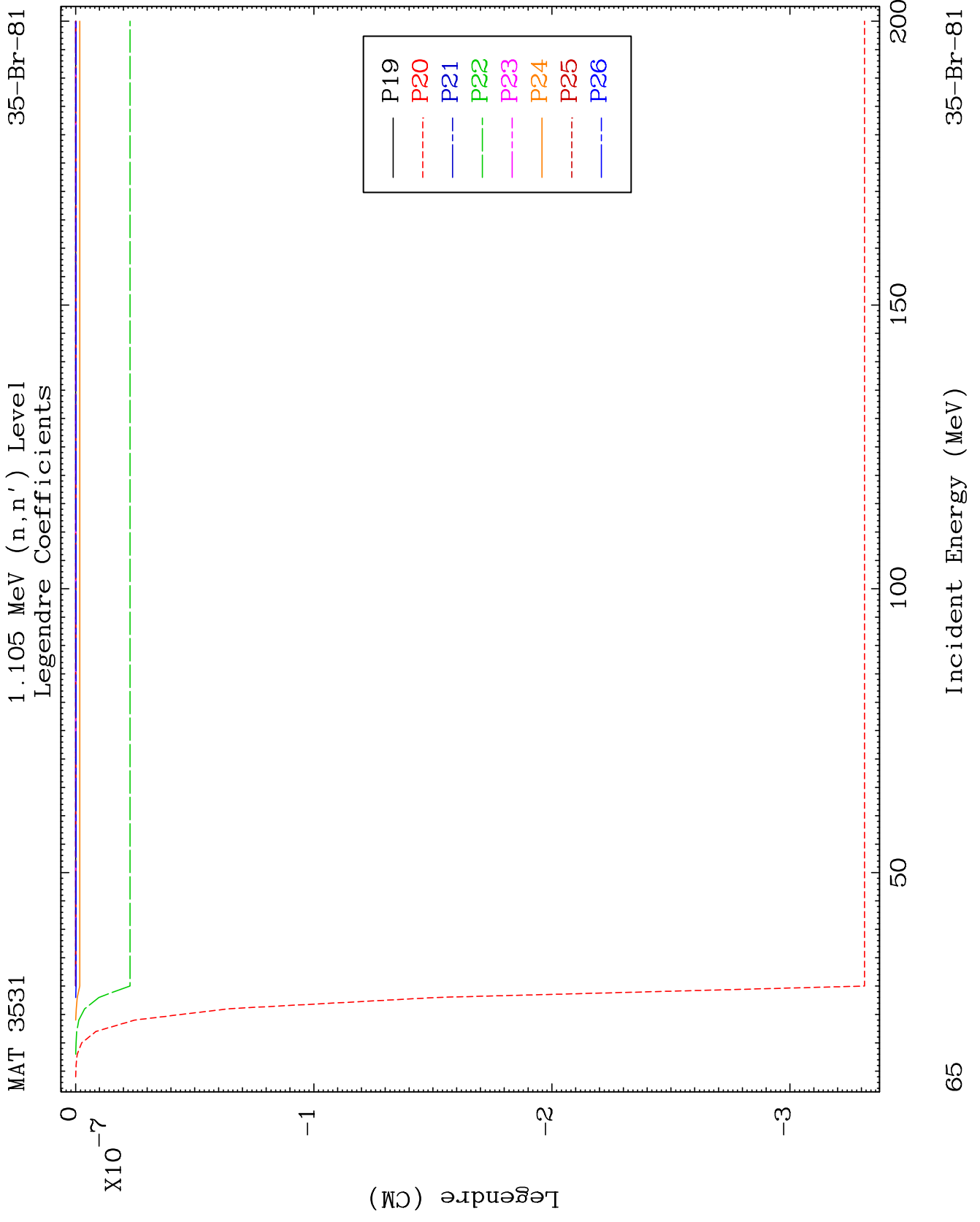


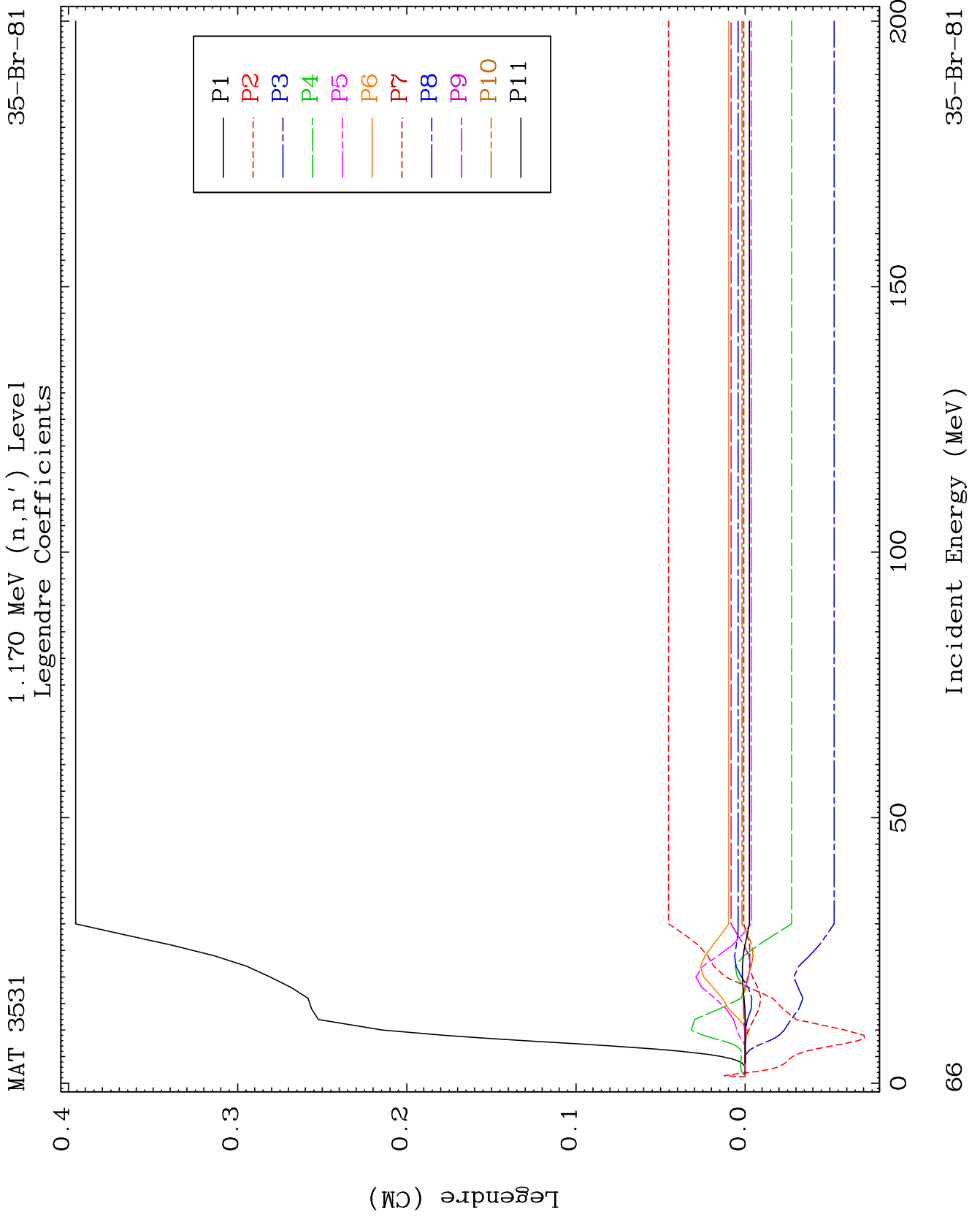
62

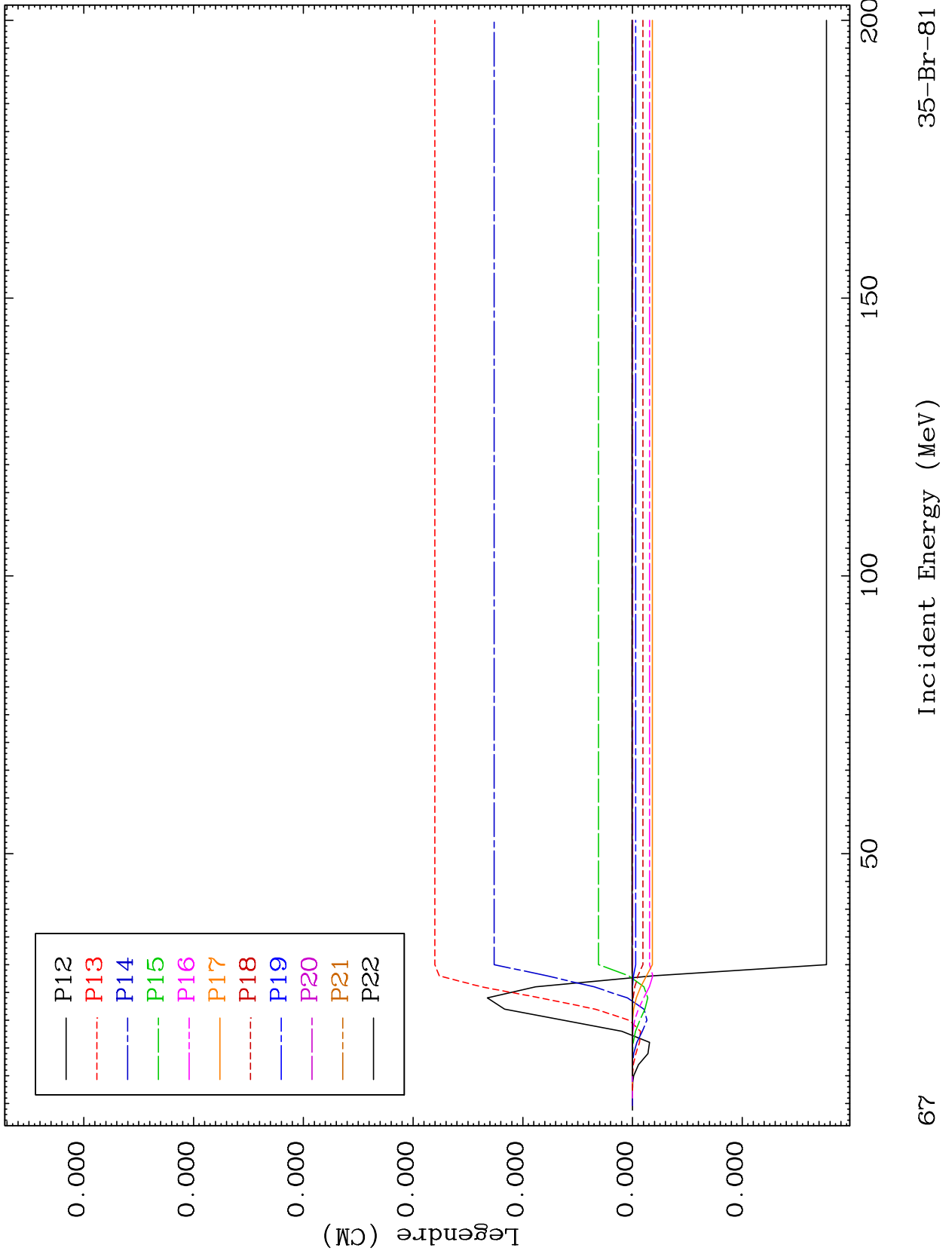
Incident Energy (MeV)

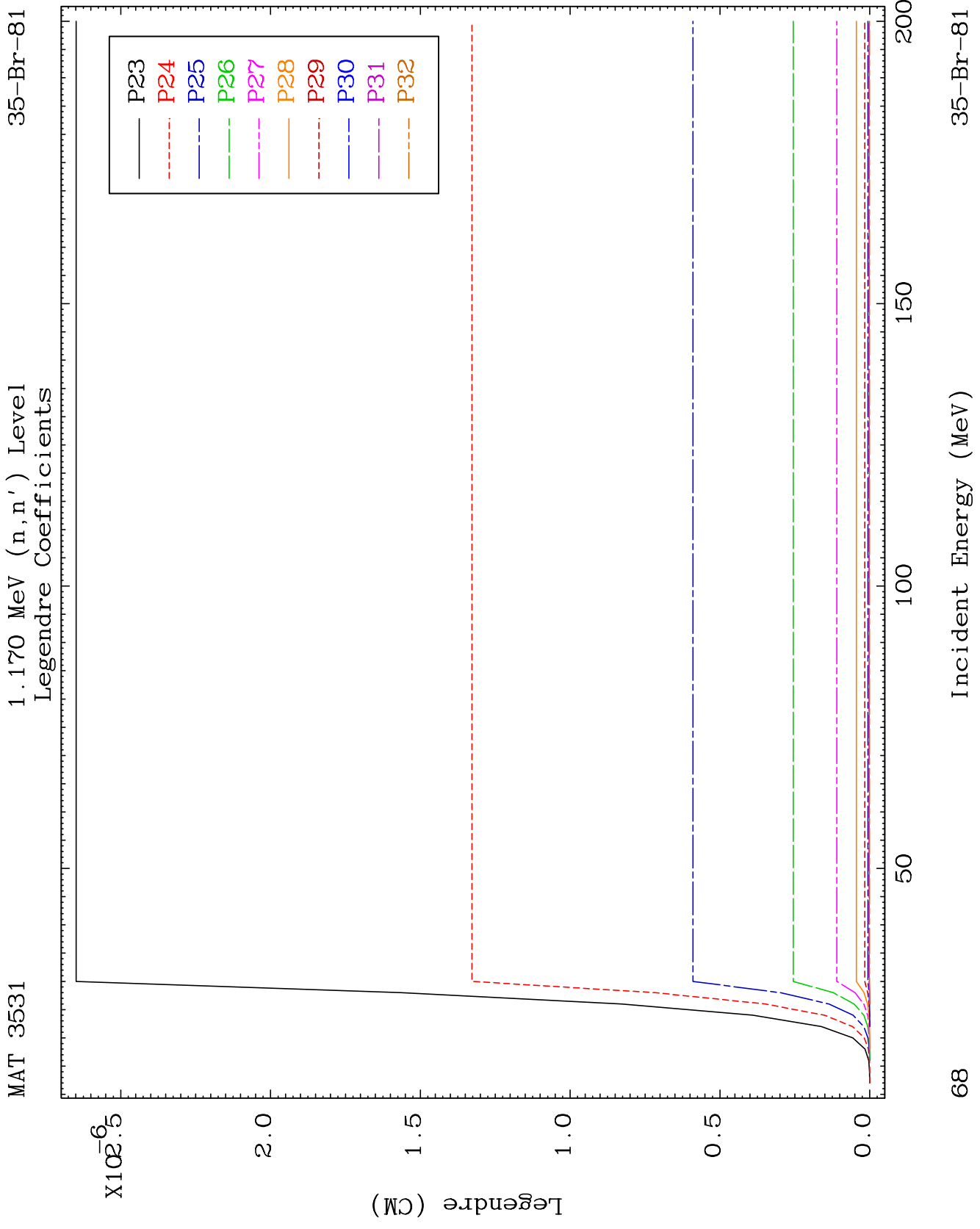
35-Br-81

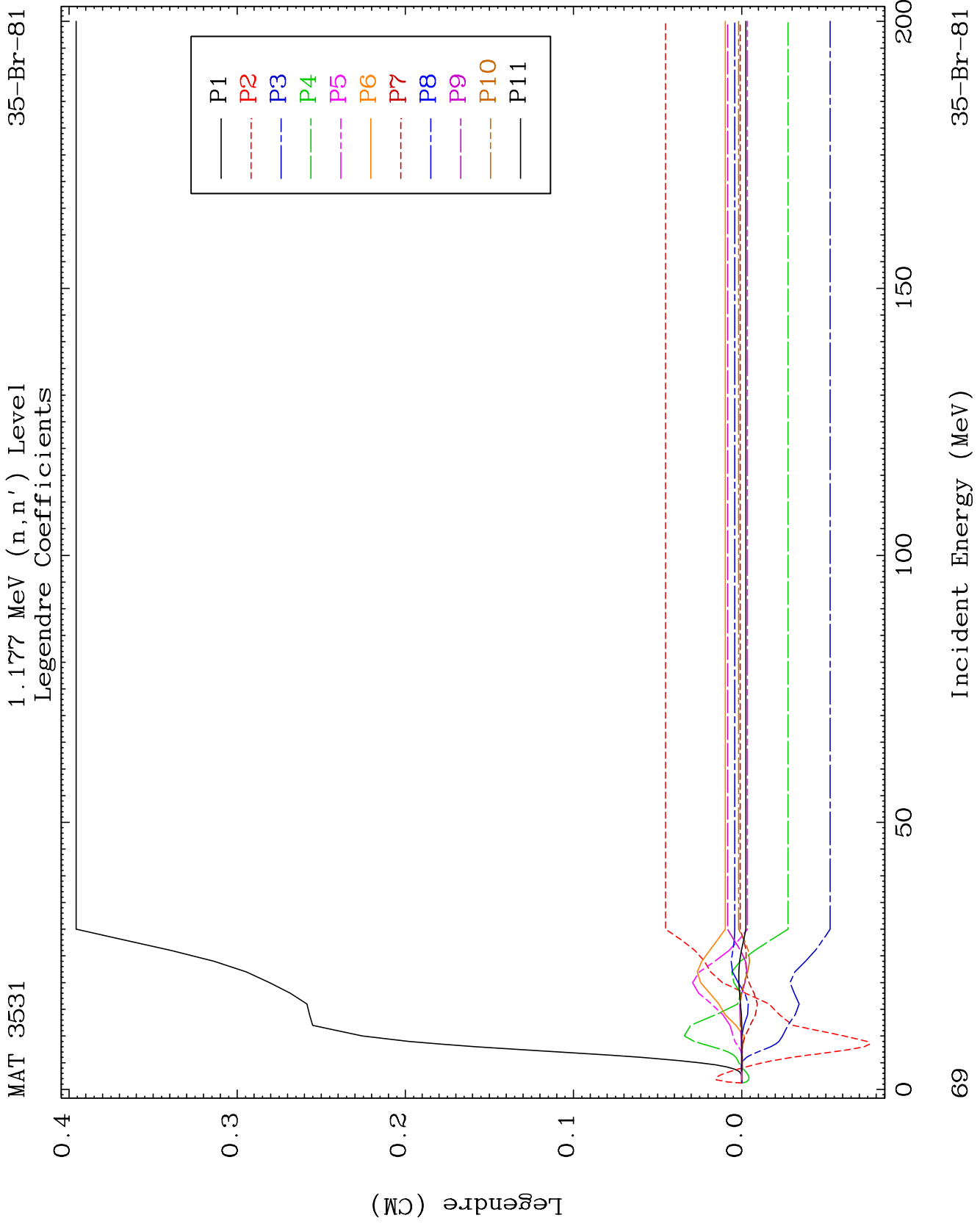


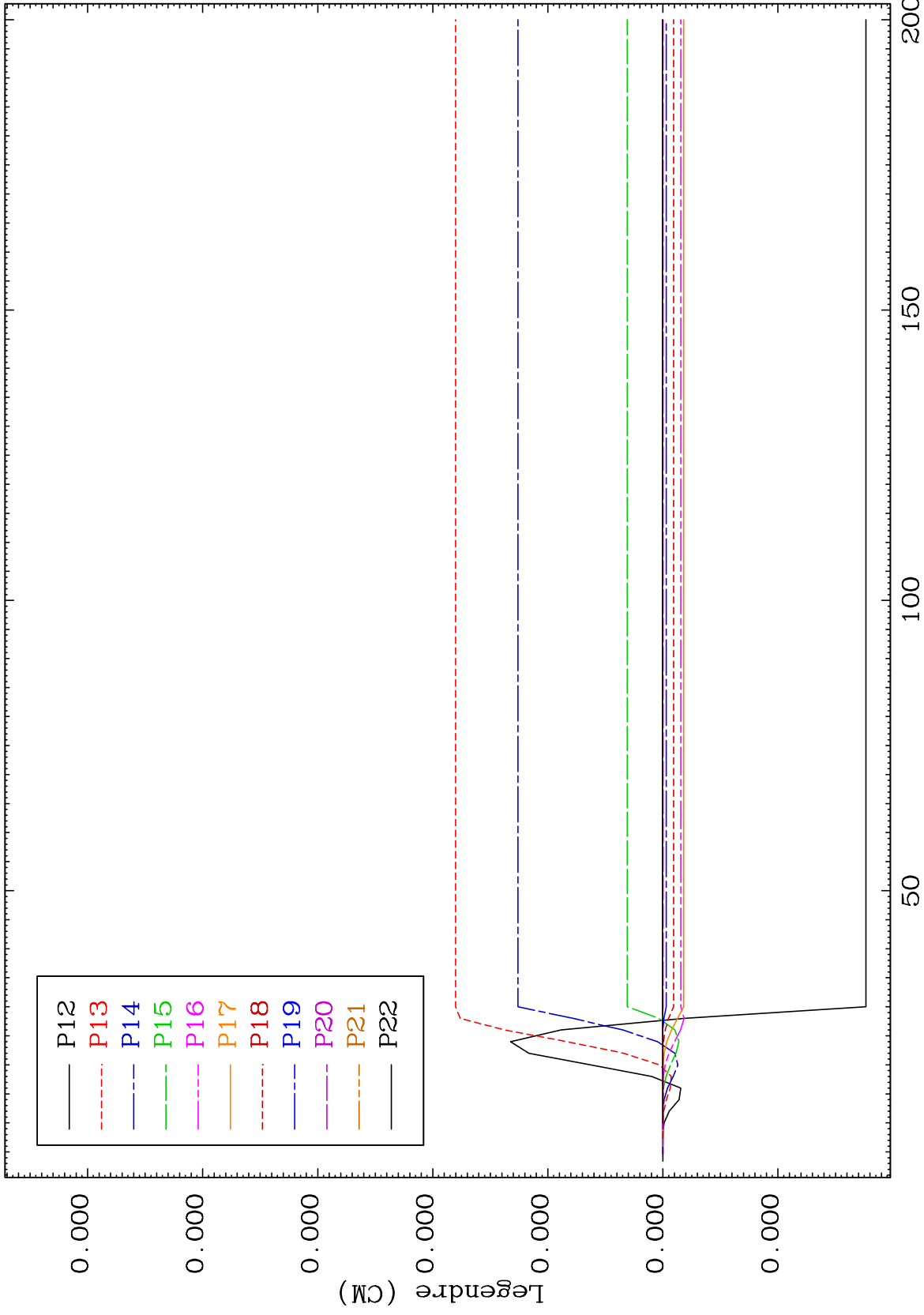








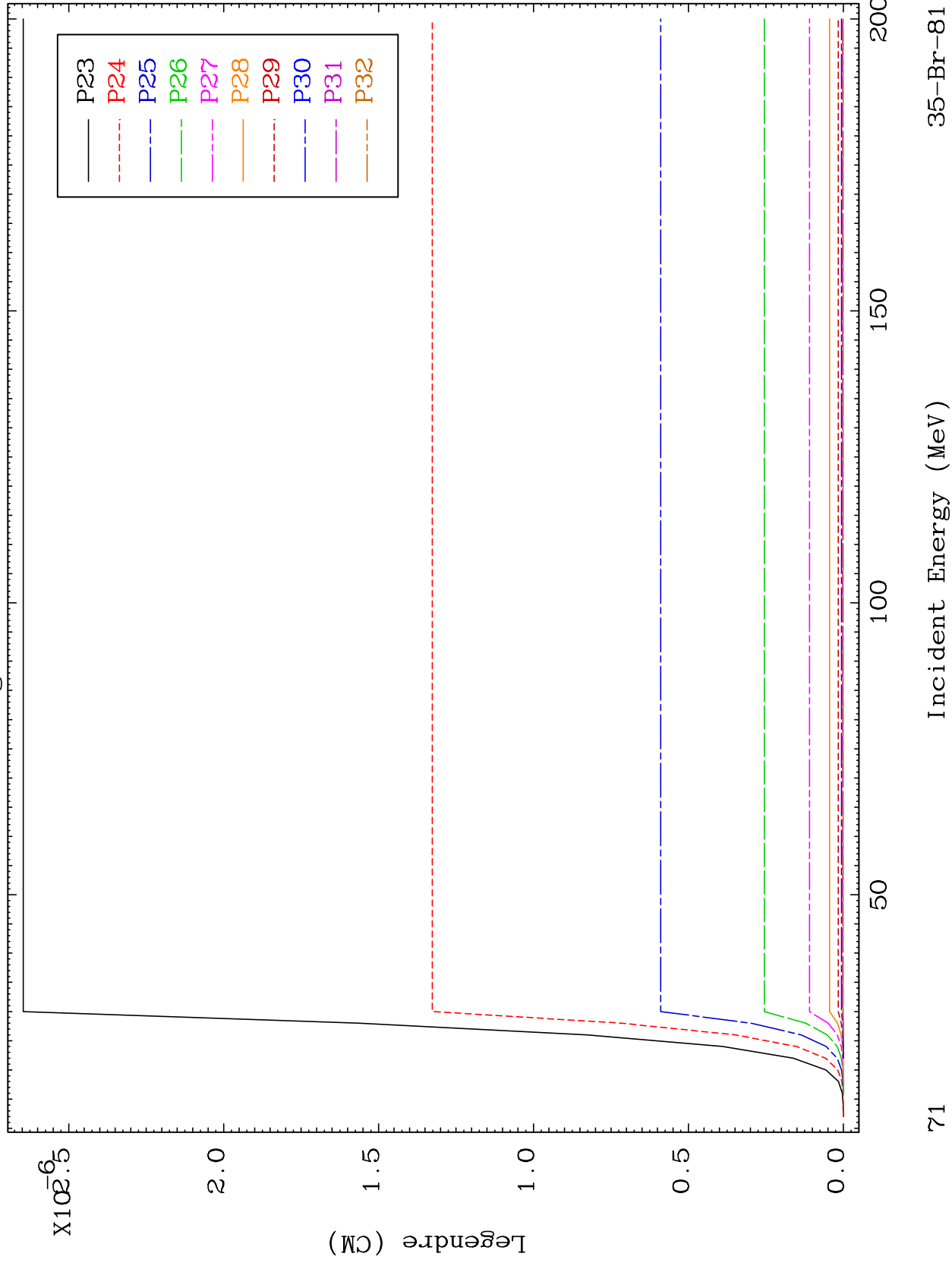


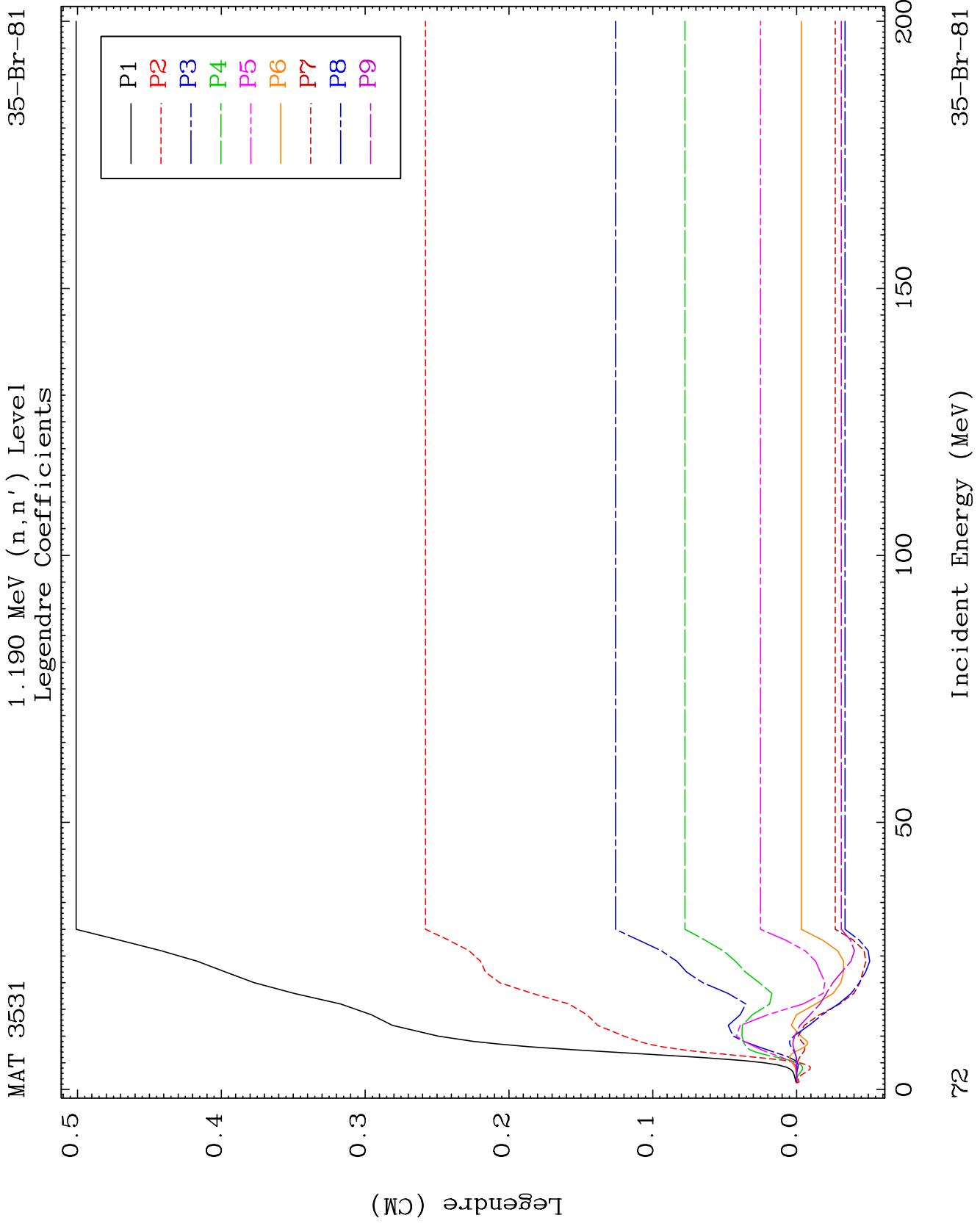


MAT 3531

1.177 MeV (n, n') Level
Legendre Coefficients

35-Br-81

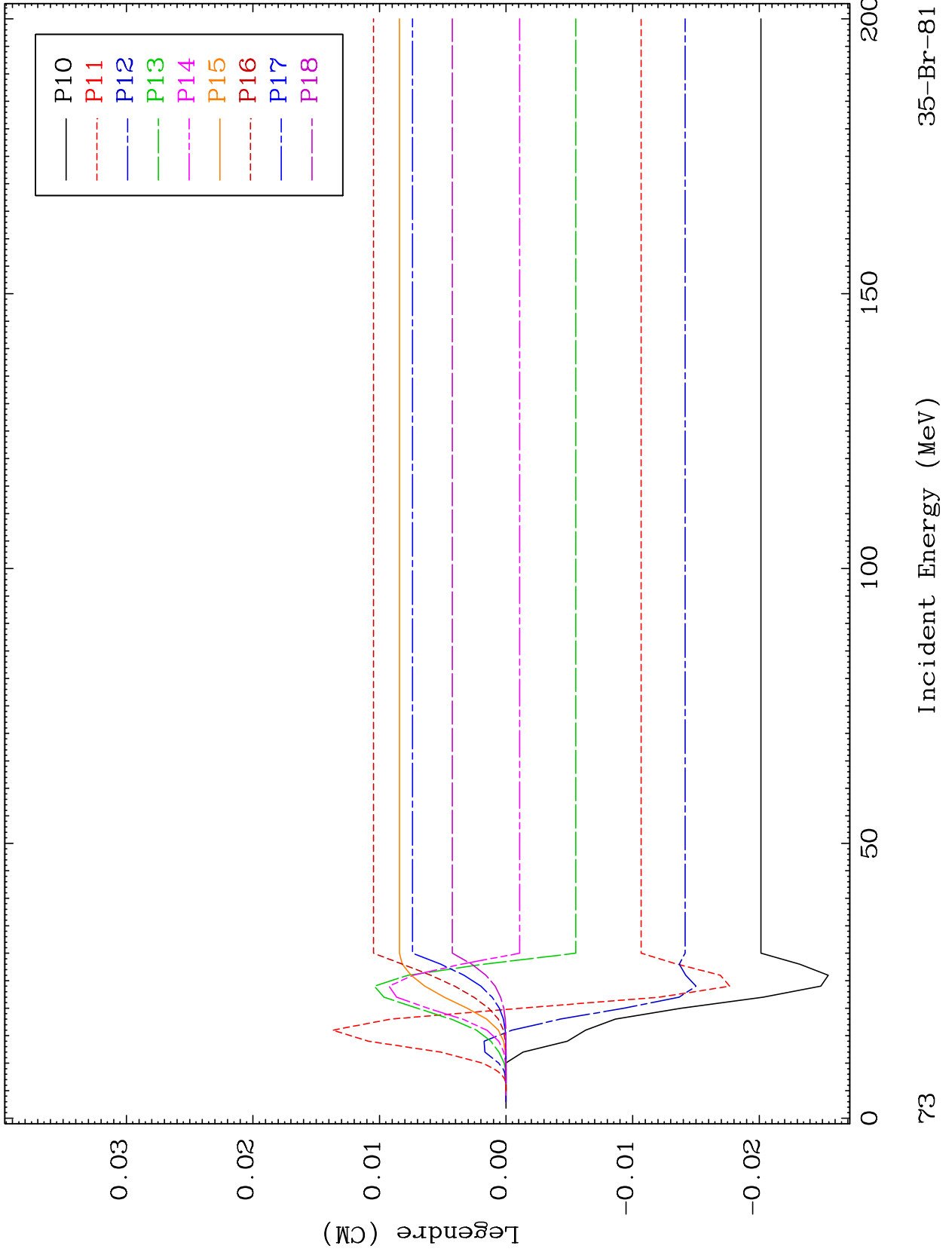


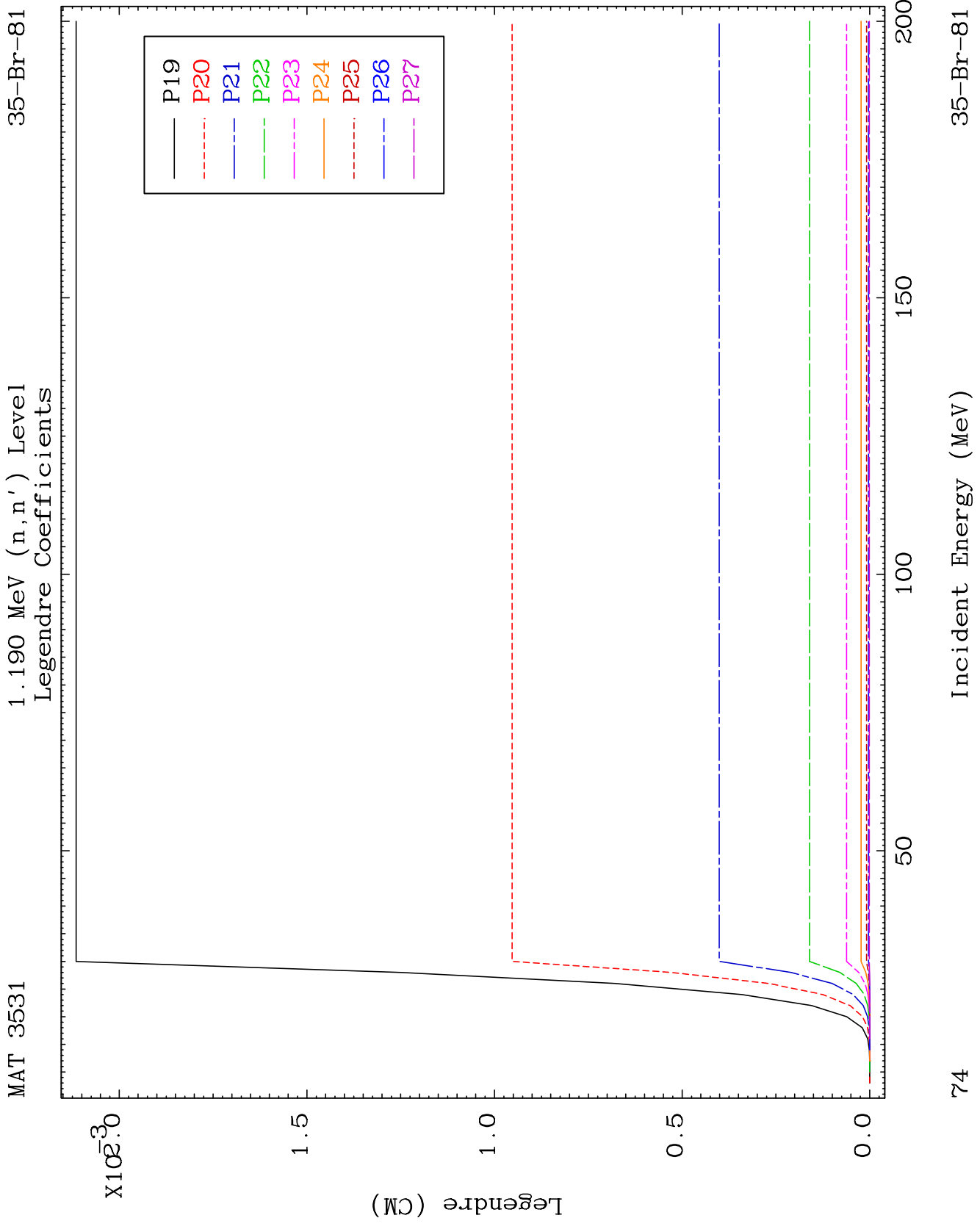


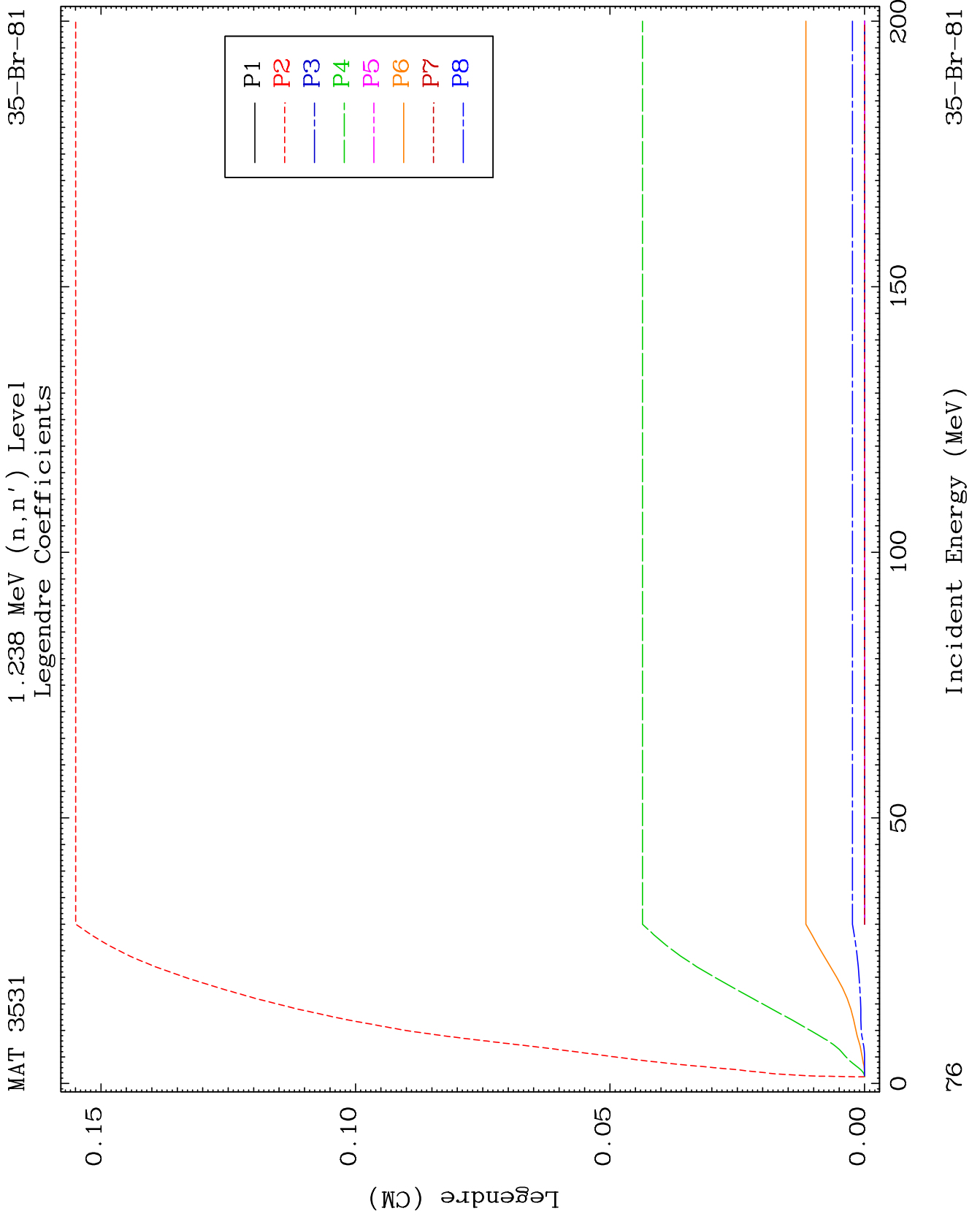
MAT 3531

1.190 MeV (n,n') Level
Legendre Coefficients

35-Br-81



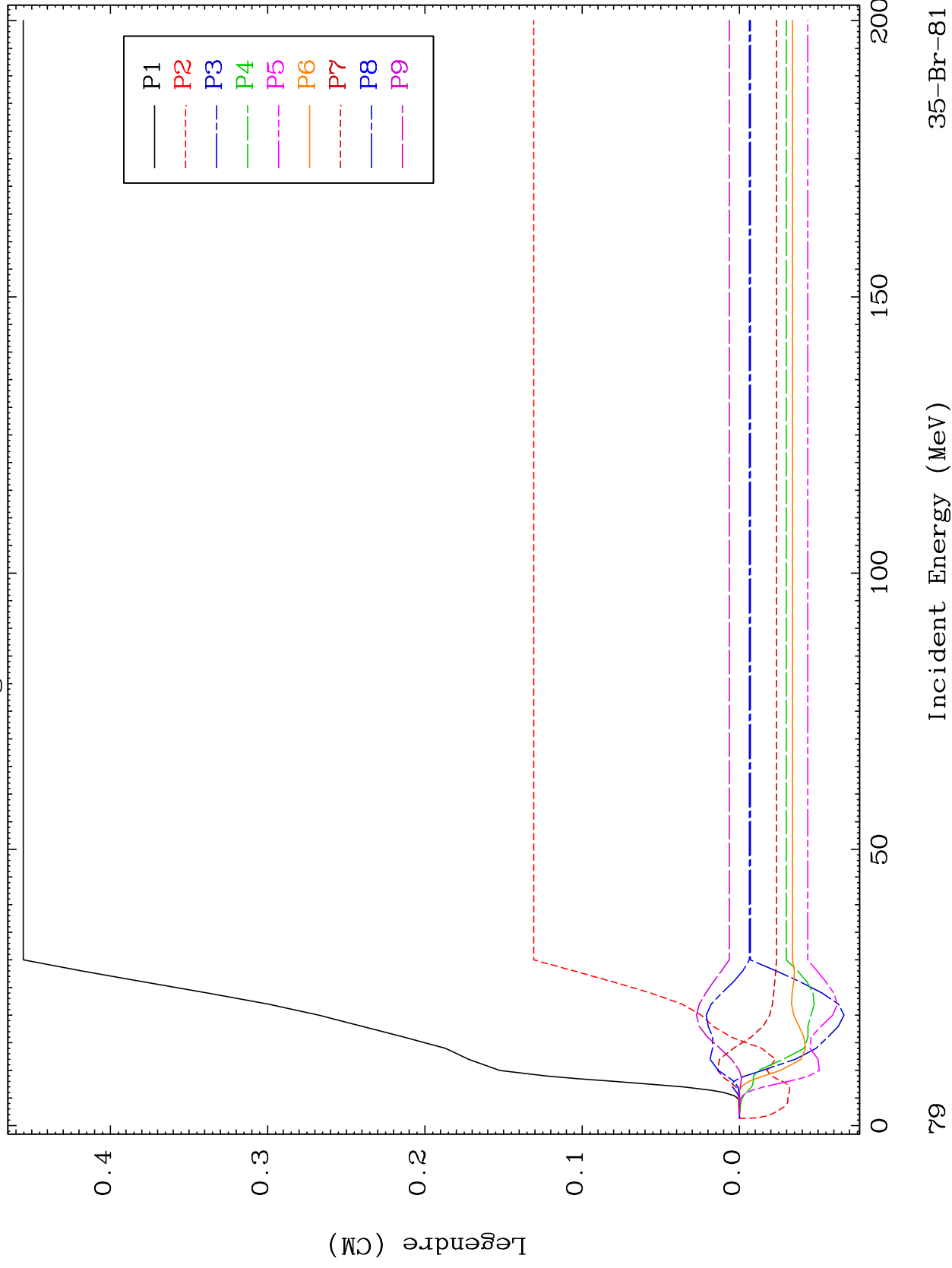




MAT 3531

1.266 MeV (n,n') Level
Legendre Coefficients

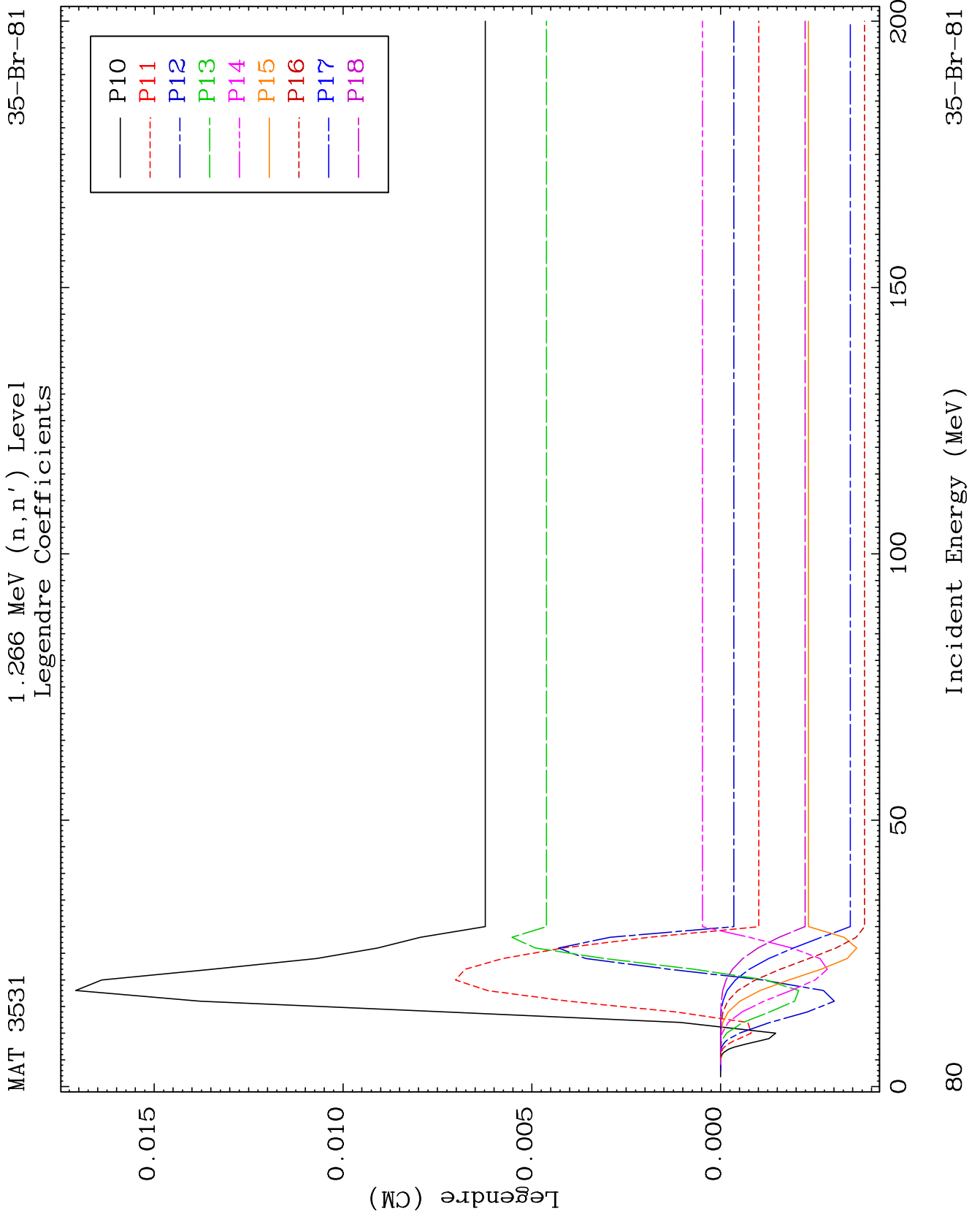
35-Br-81

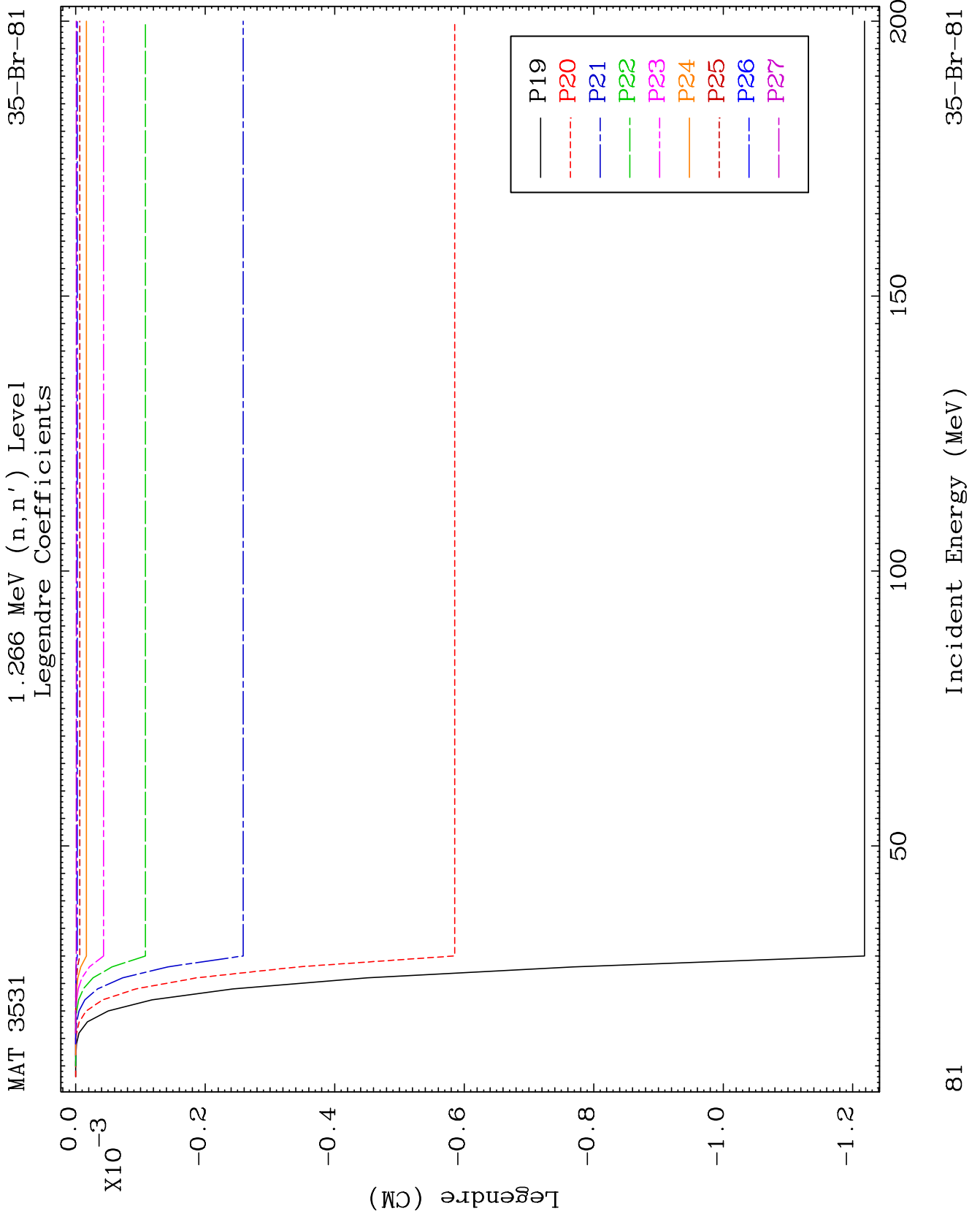


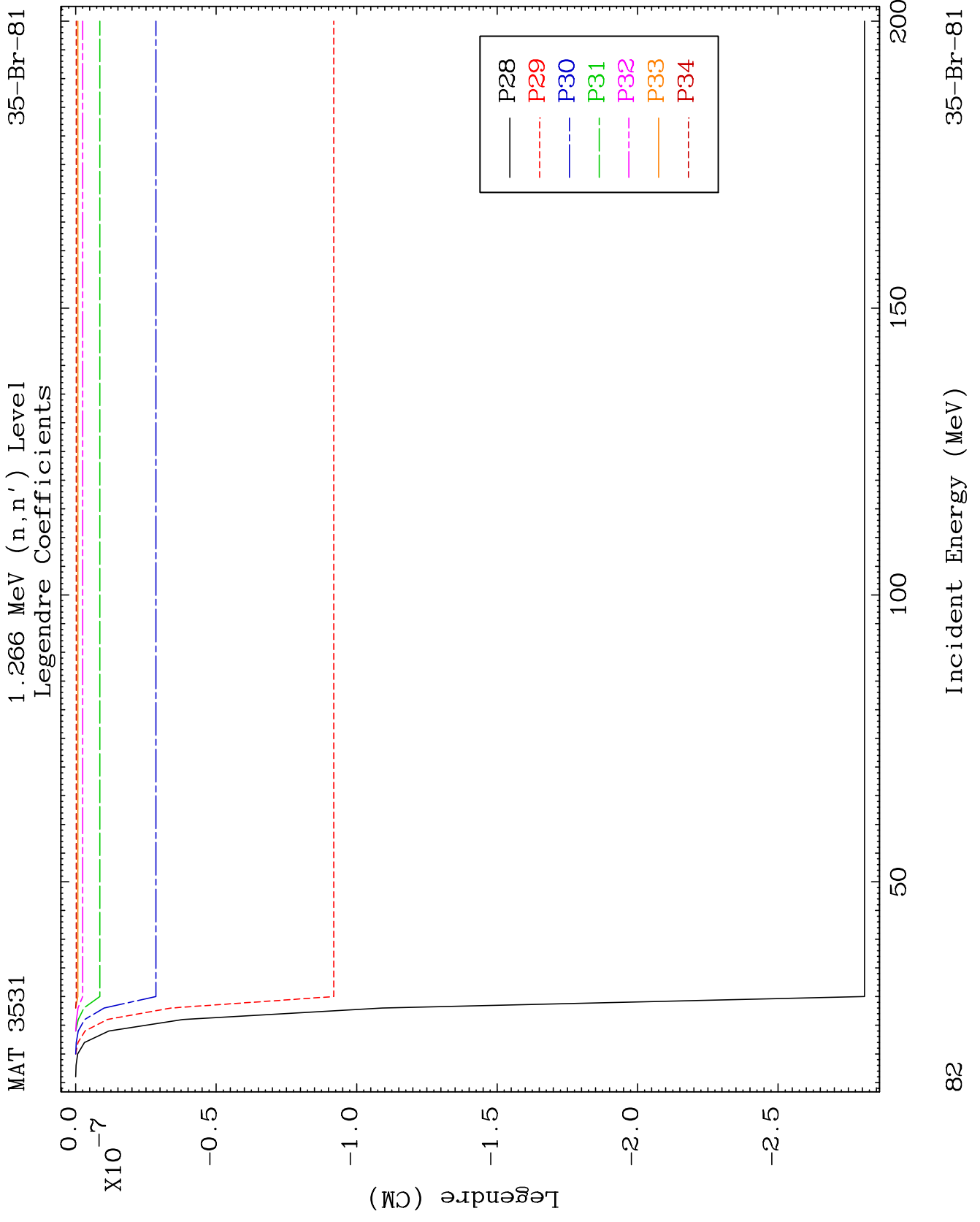
79

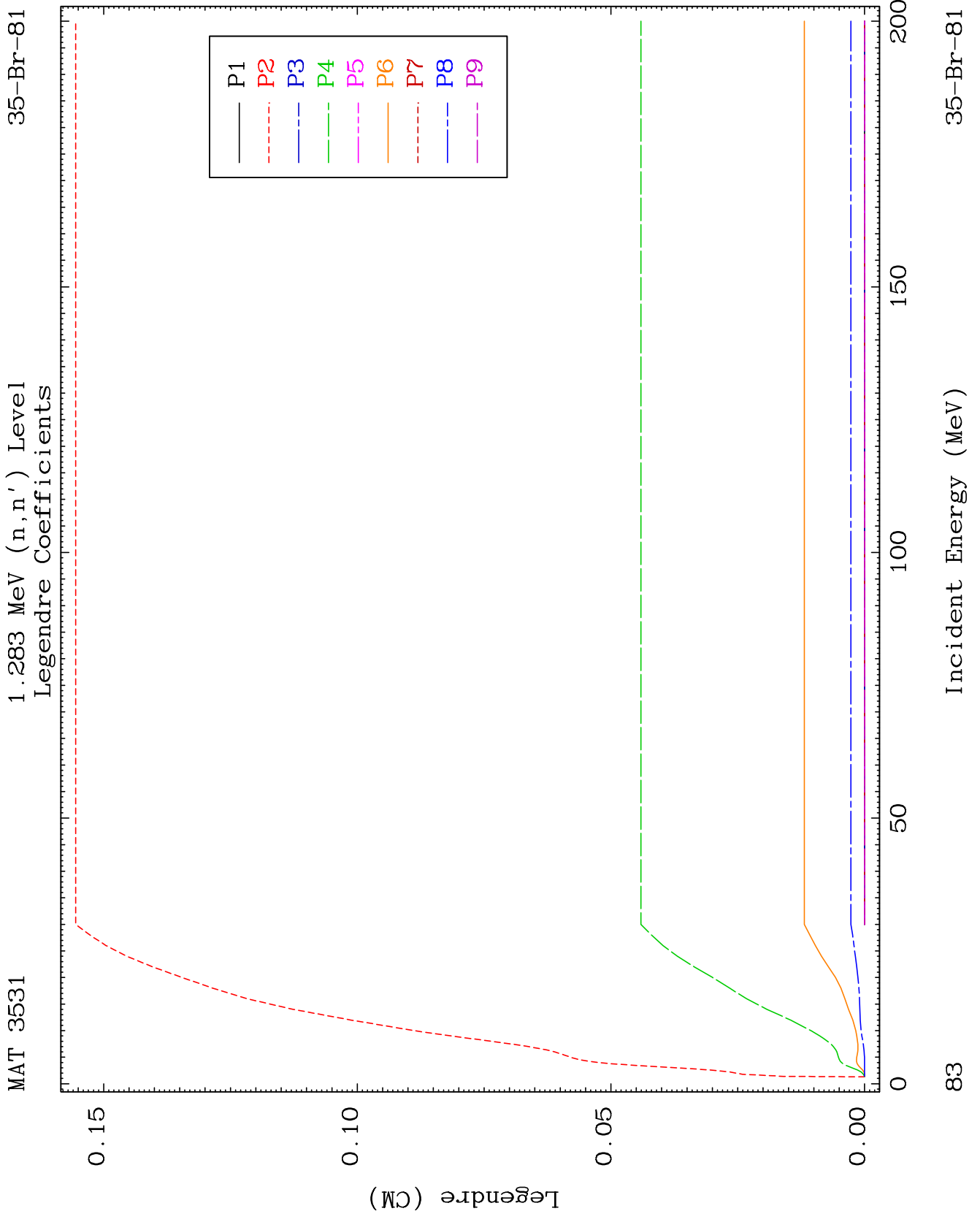
Incident Energy (MeV)

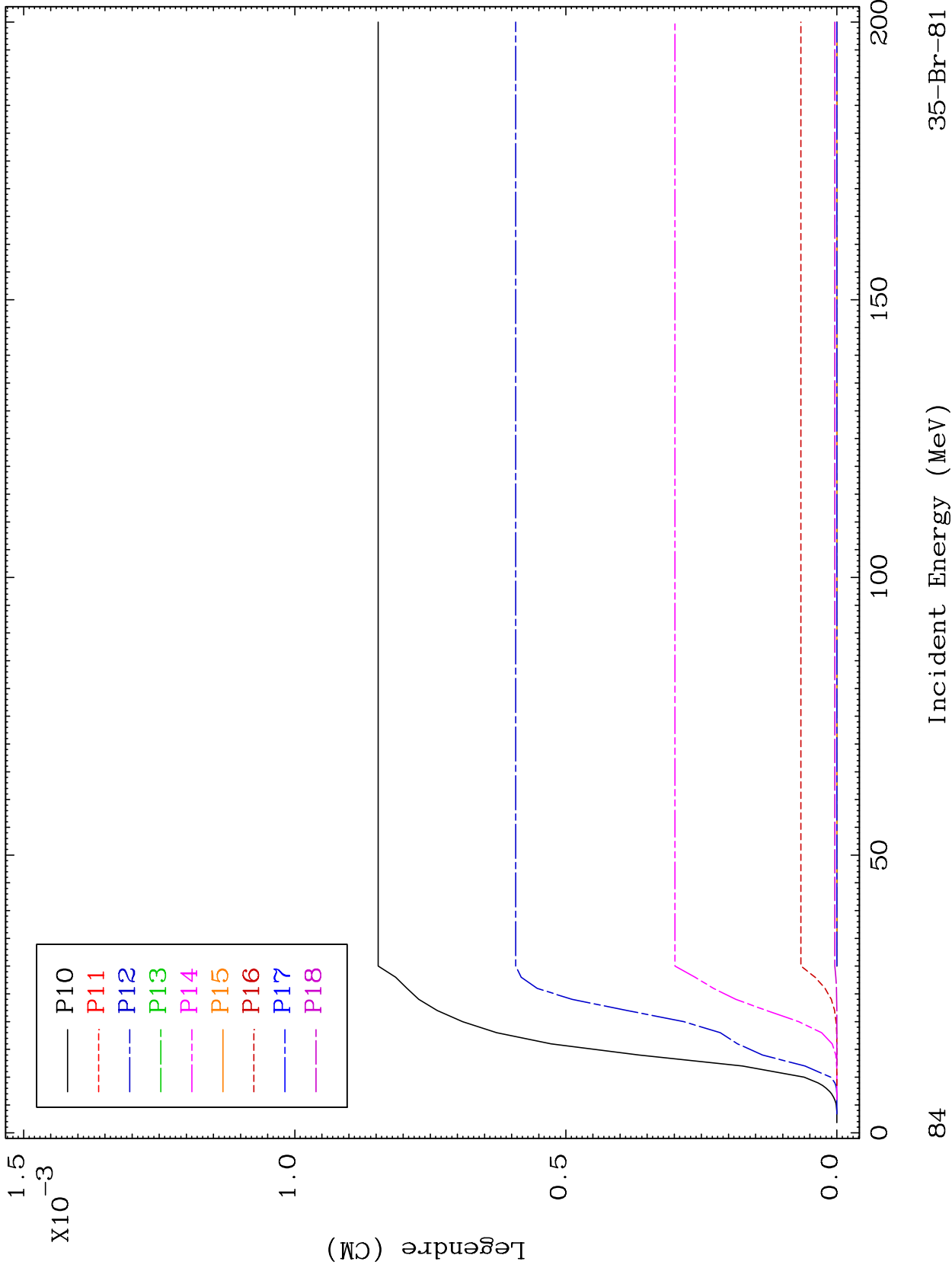
35-Br-81

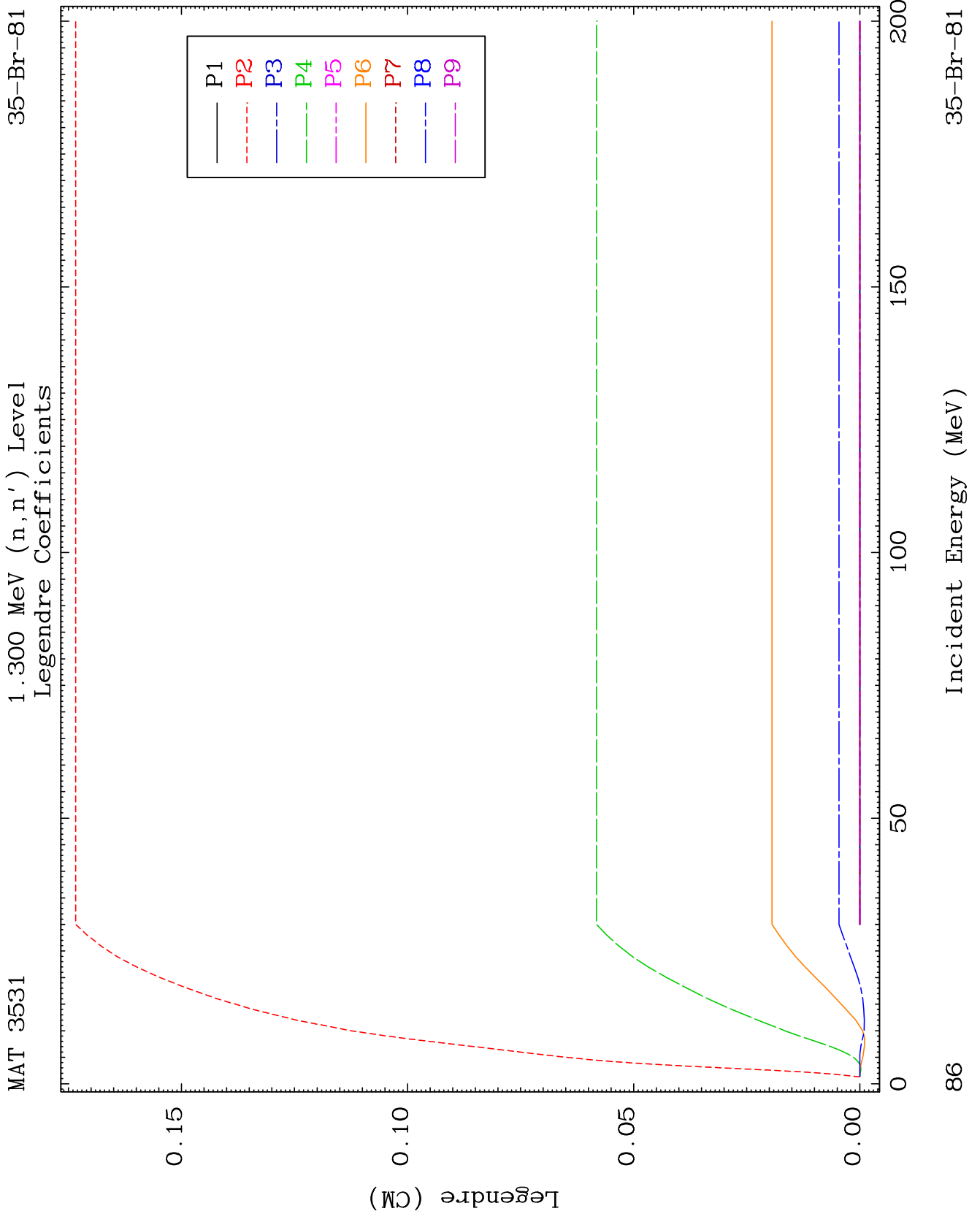


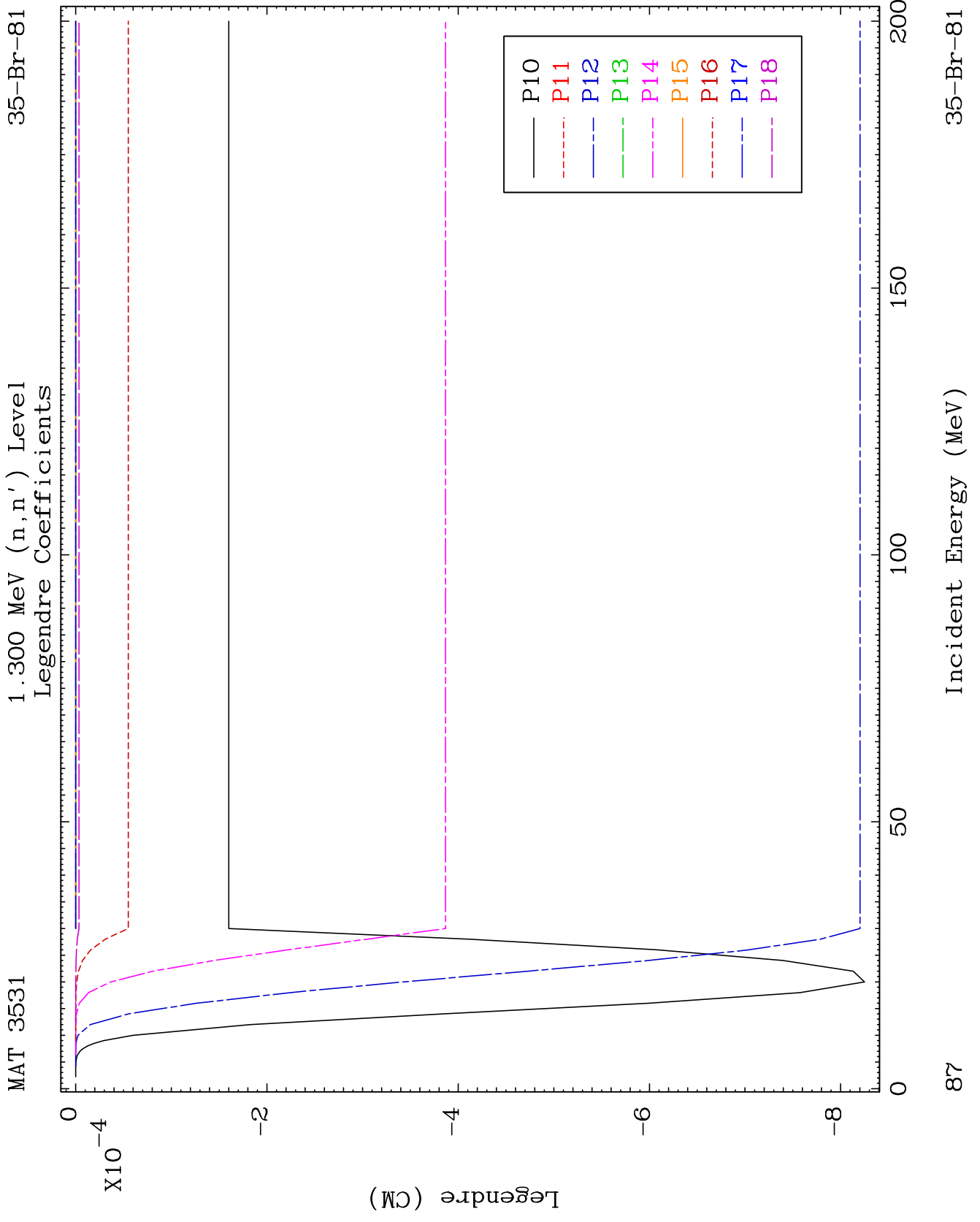


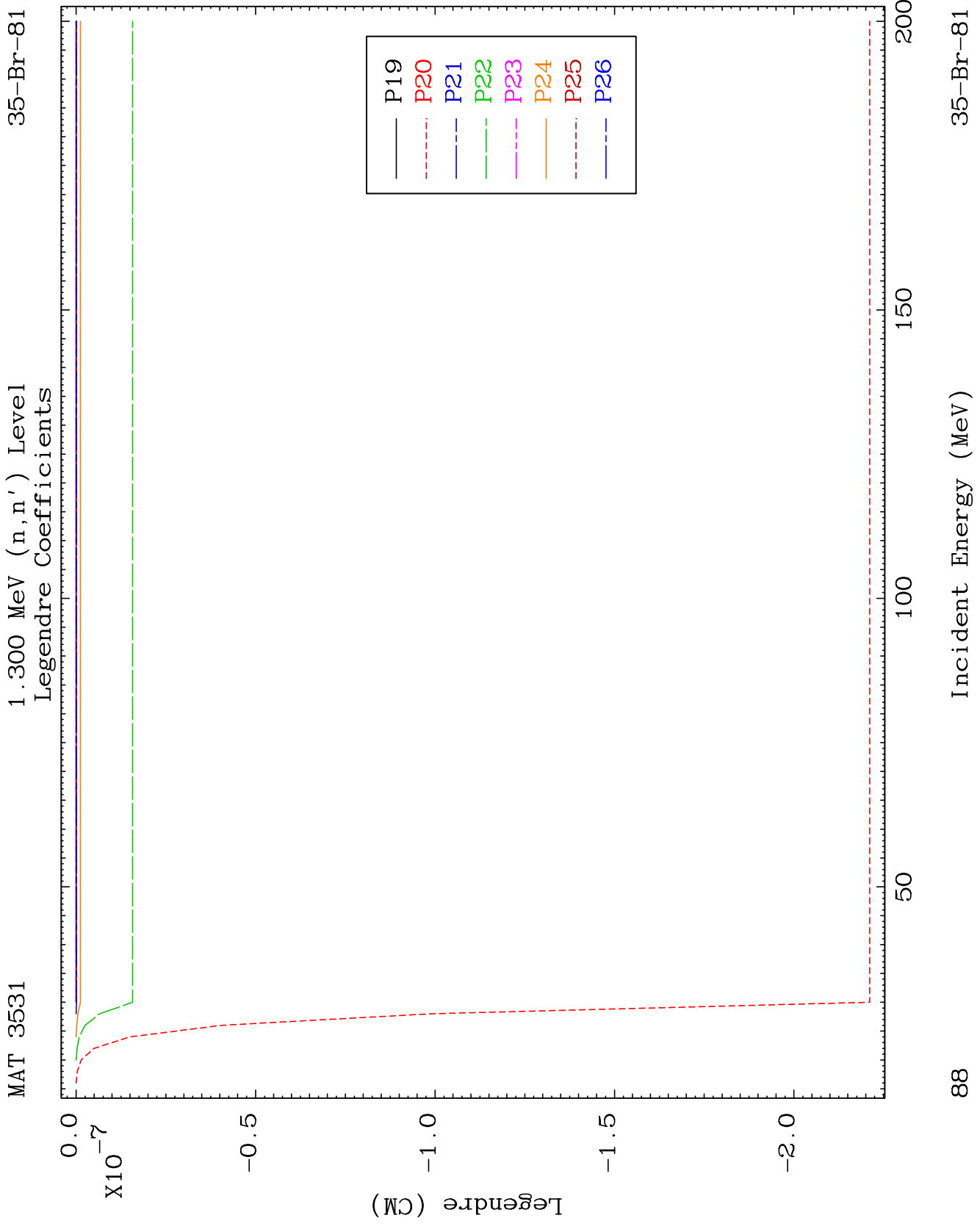








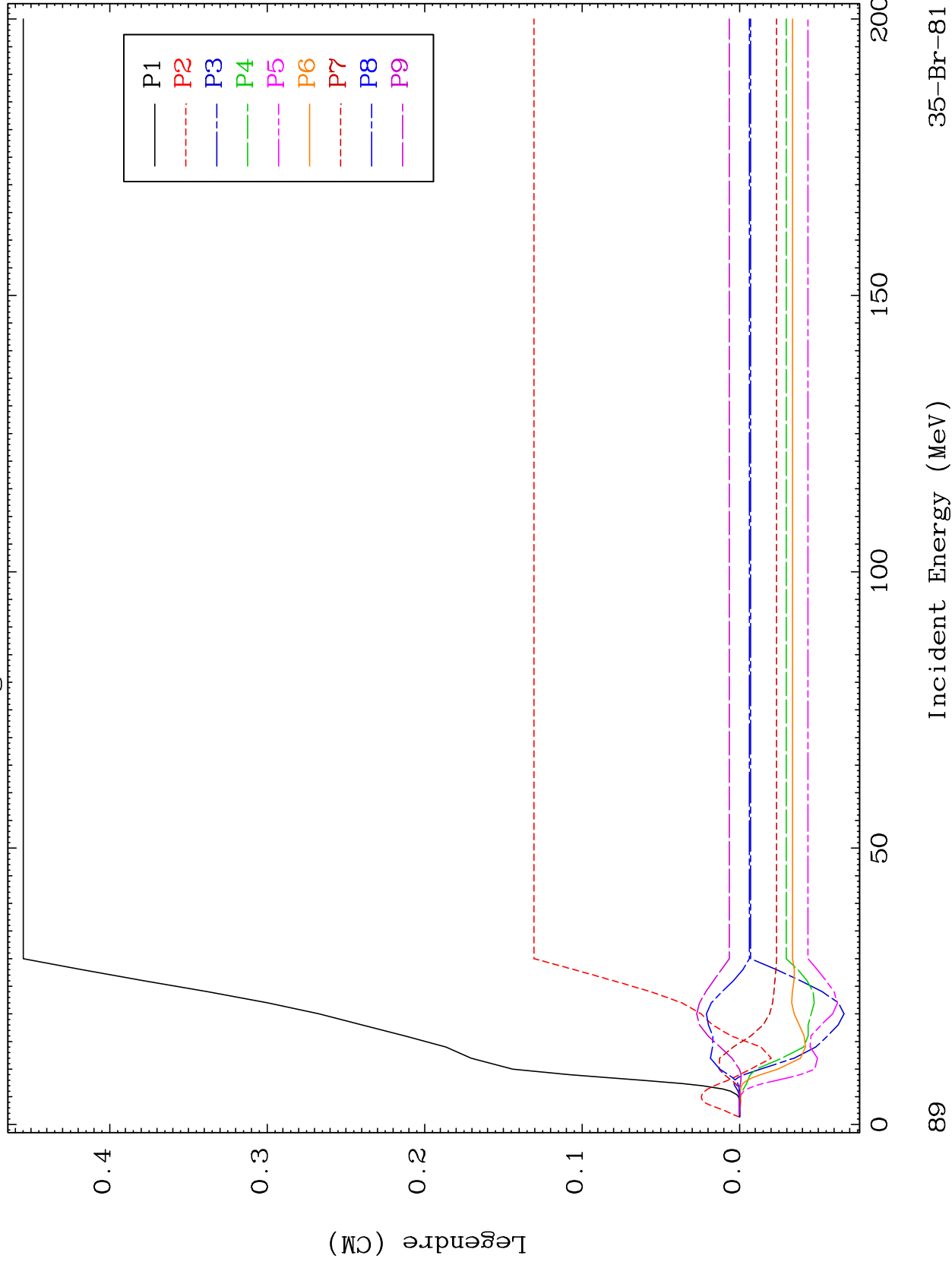




MAT 3531

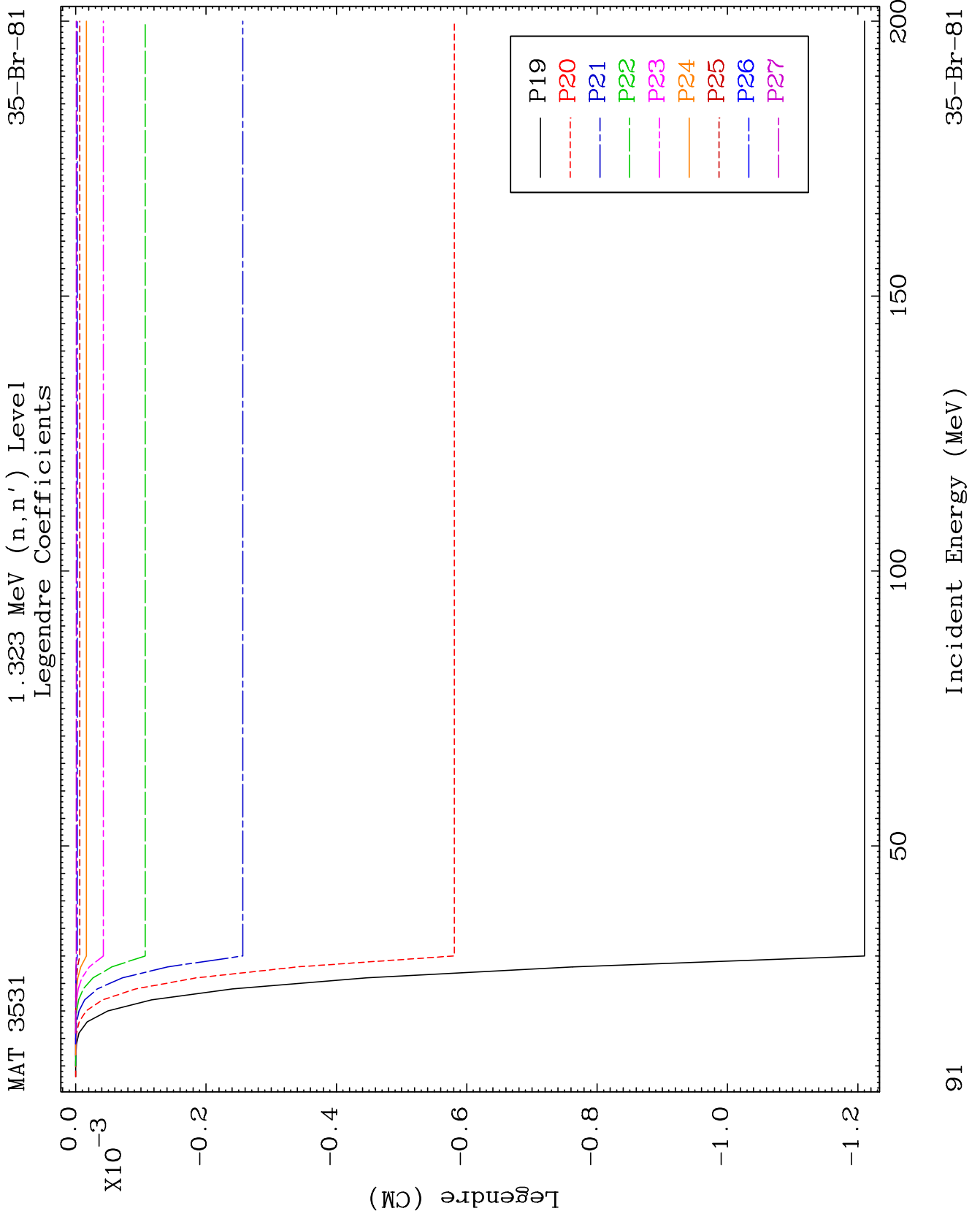
1.323 MeV (n,n') Level
Legendre Coefficients

35-Br-81



89

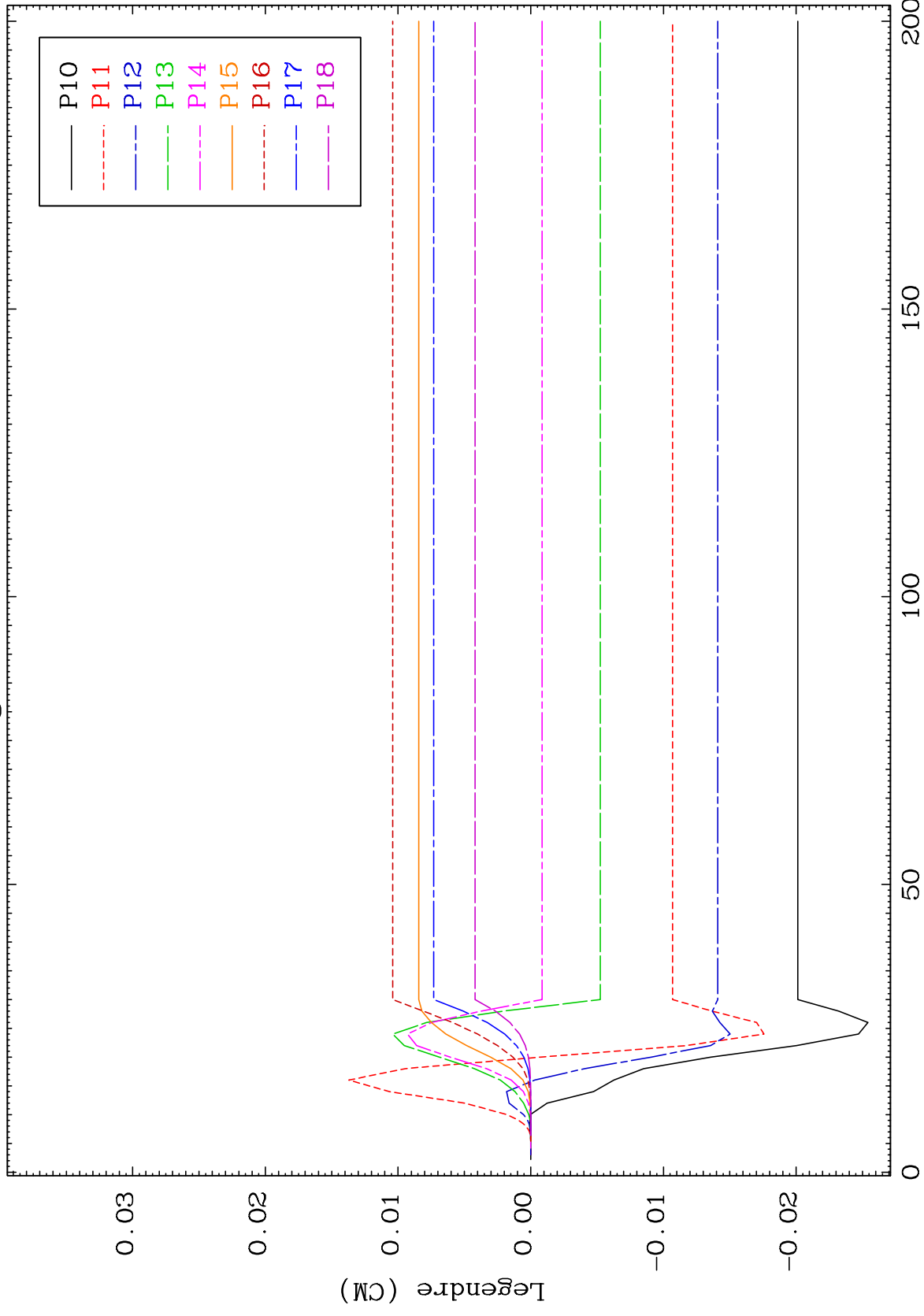
35-Br-81



MAT 3531

1.327 MeV (n,n') Level
Legendre Coefficients

35-Br-81



94

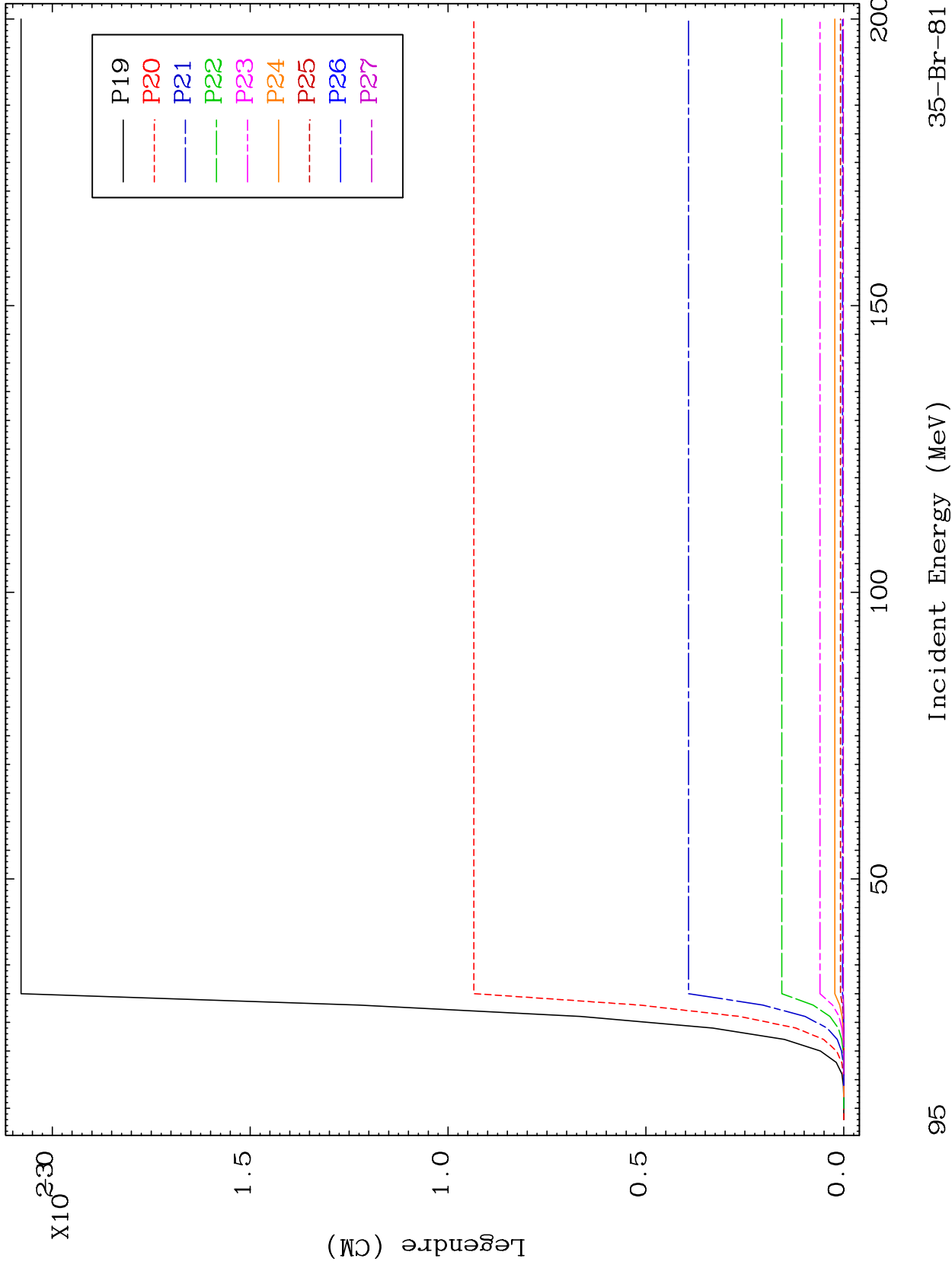
Incident Energy (MeV)

35-Br-81

MAT 3531

1.327 MeV (n,n') Level
Legendre Coefficients

35-Br-81



95

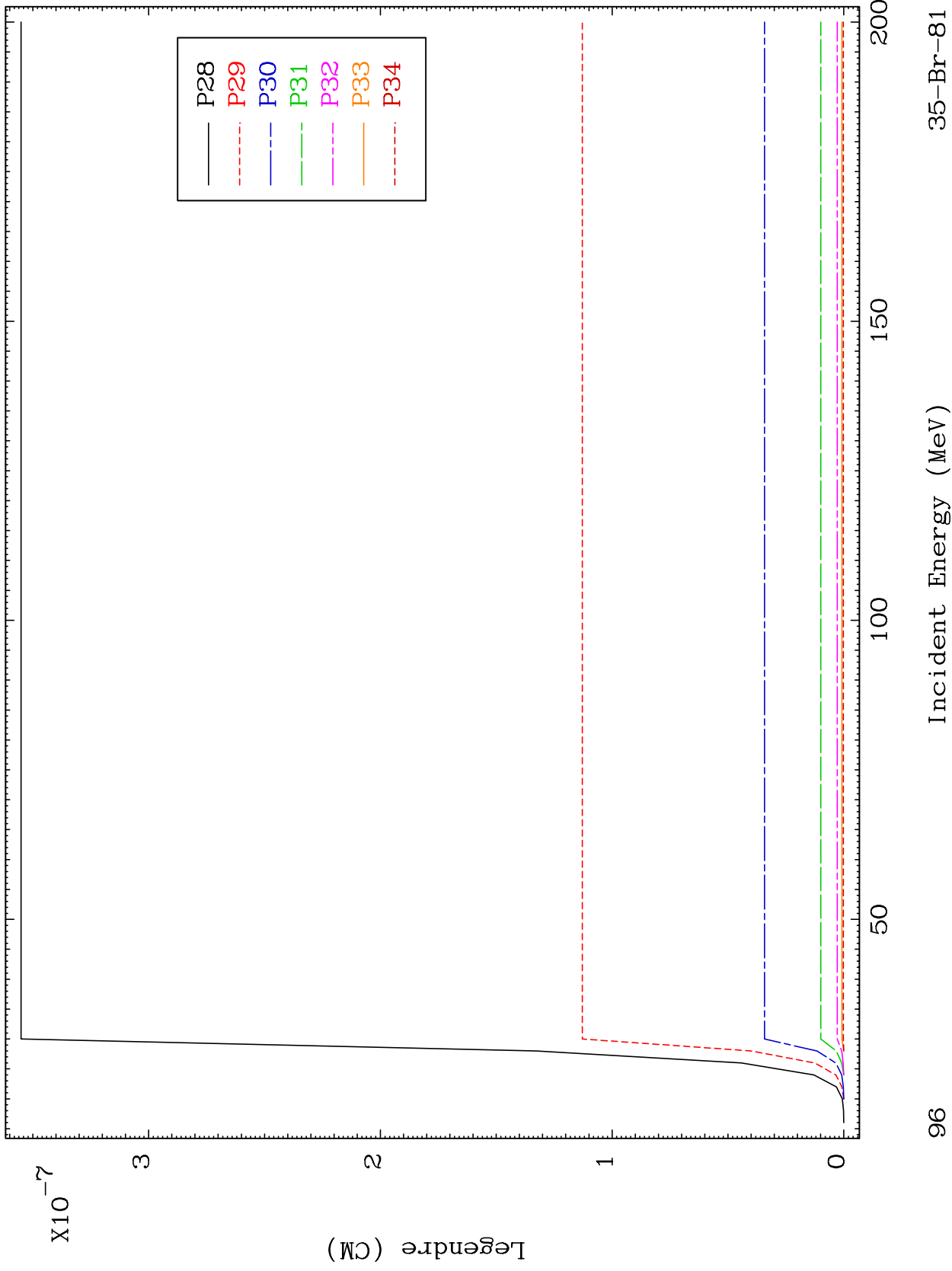
Incident Energy (MeV)

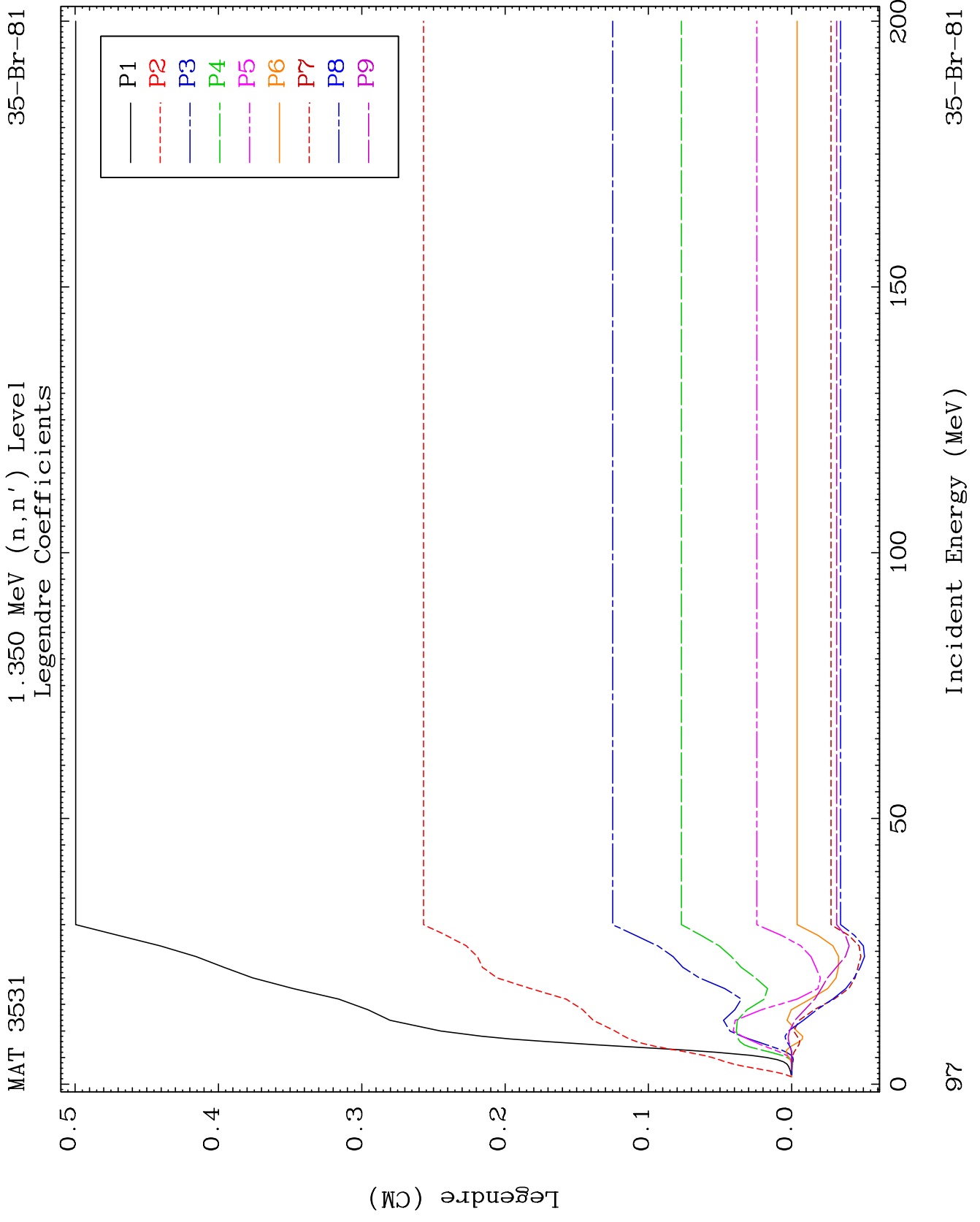
35-Br-81

MAT 3531

1.327 MeV (n,n') Level
Legendre Coefficients

35-Br-81

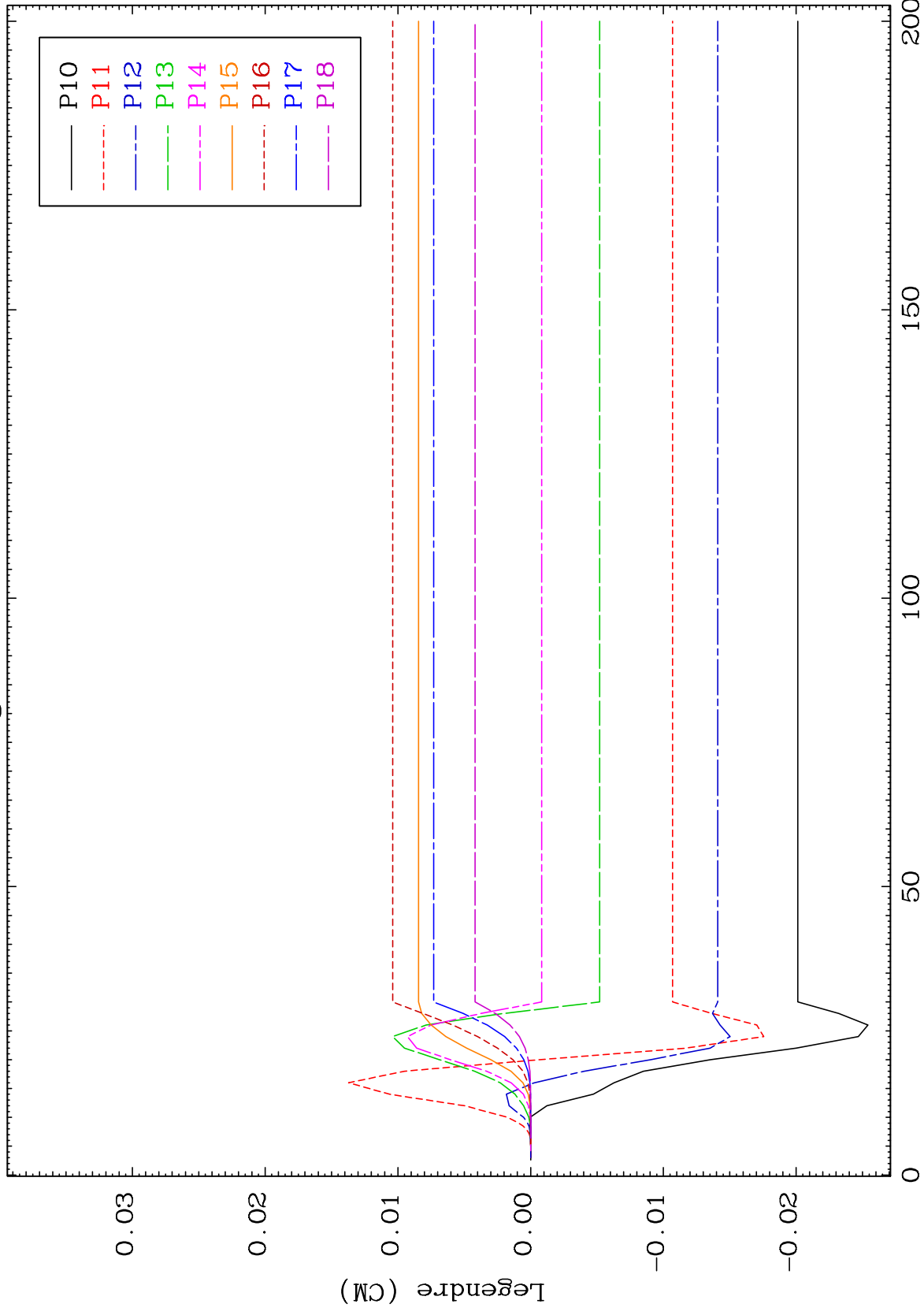




MAT 3531

1.350 MeV (n,n') Level
Legendre Coefficients

35-Br-81



98

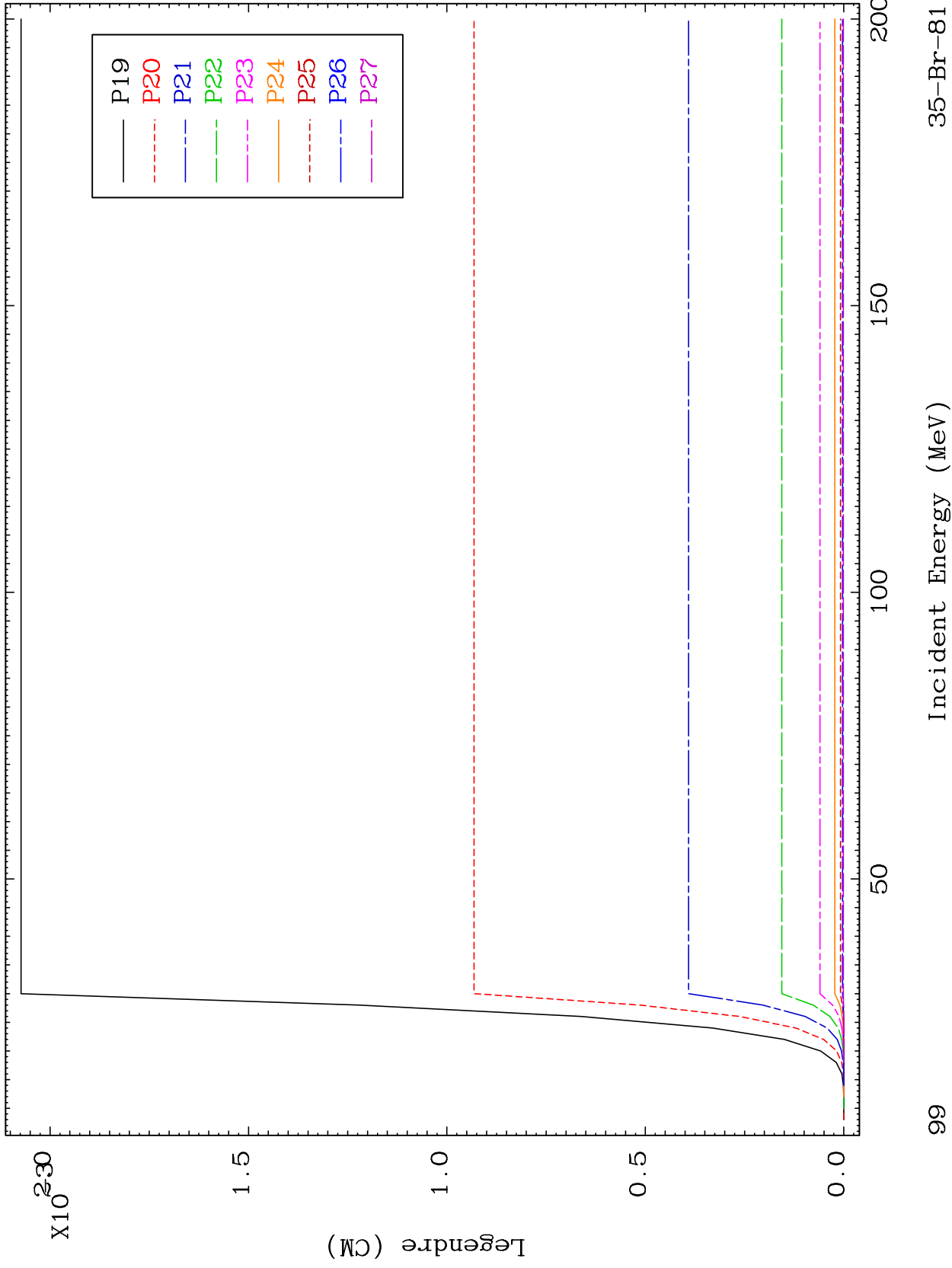
Incident Energy (MeV)

35-Br-81

MAT 3531

1.350 MeV (n,n') Level
Legendre Coefficients

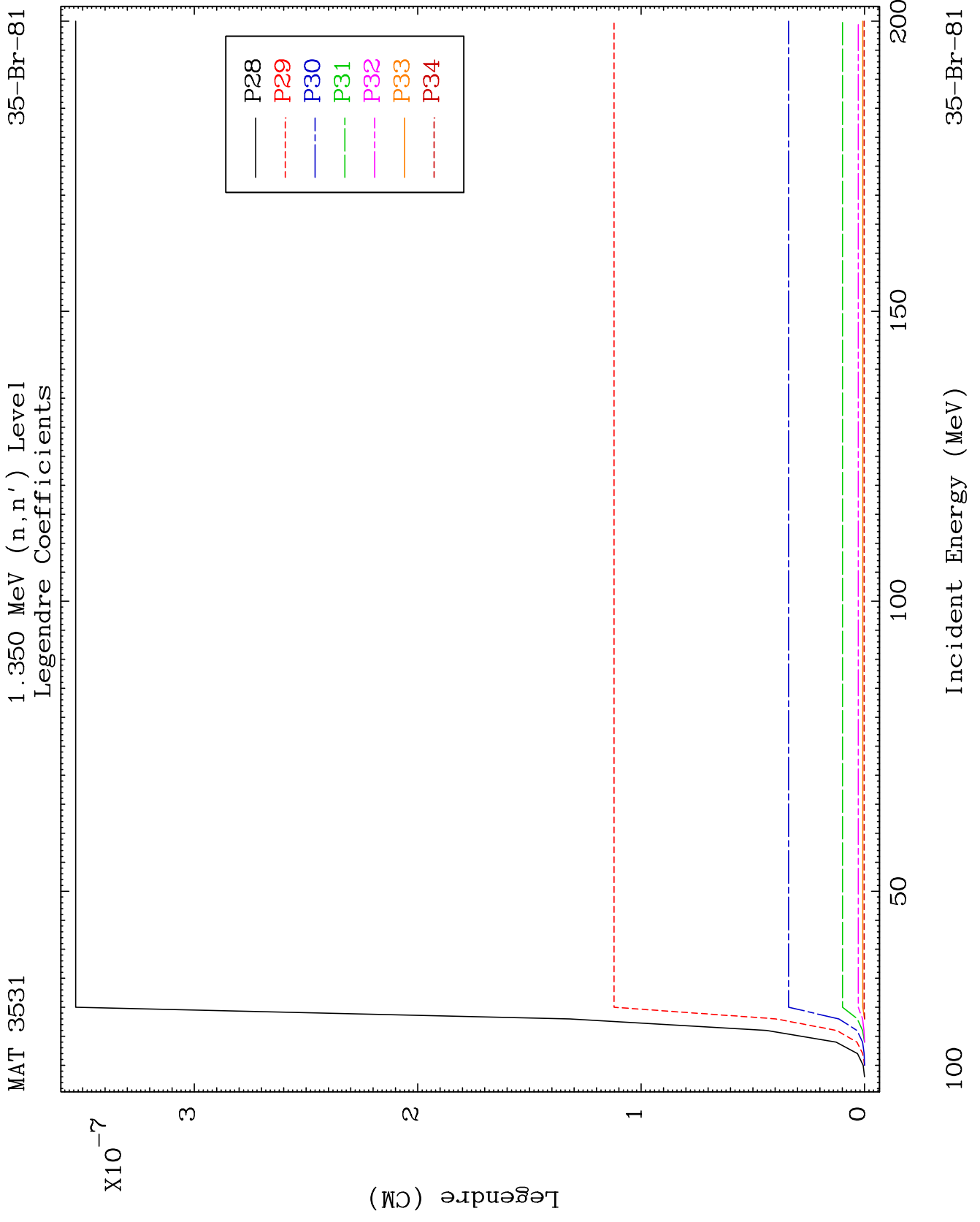
35-Br-81



99

Incident Energy (MeV)

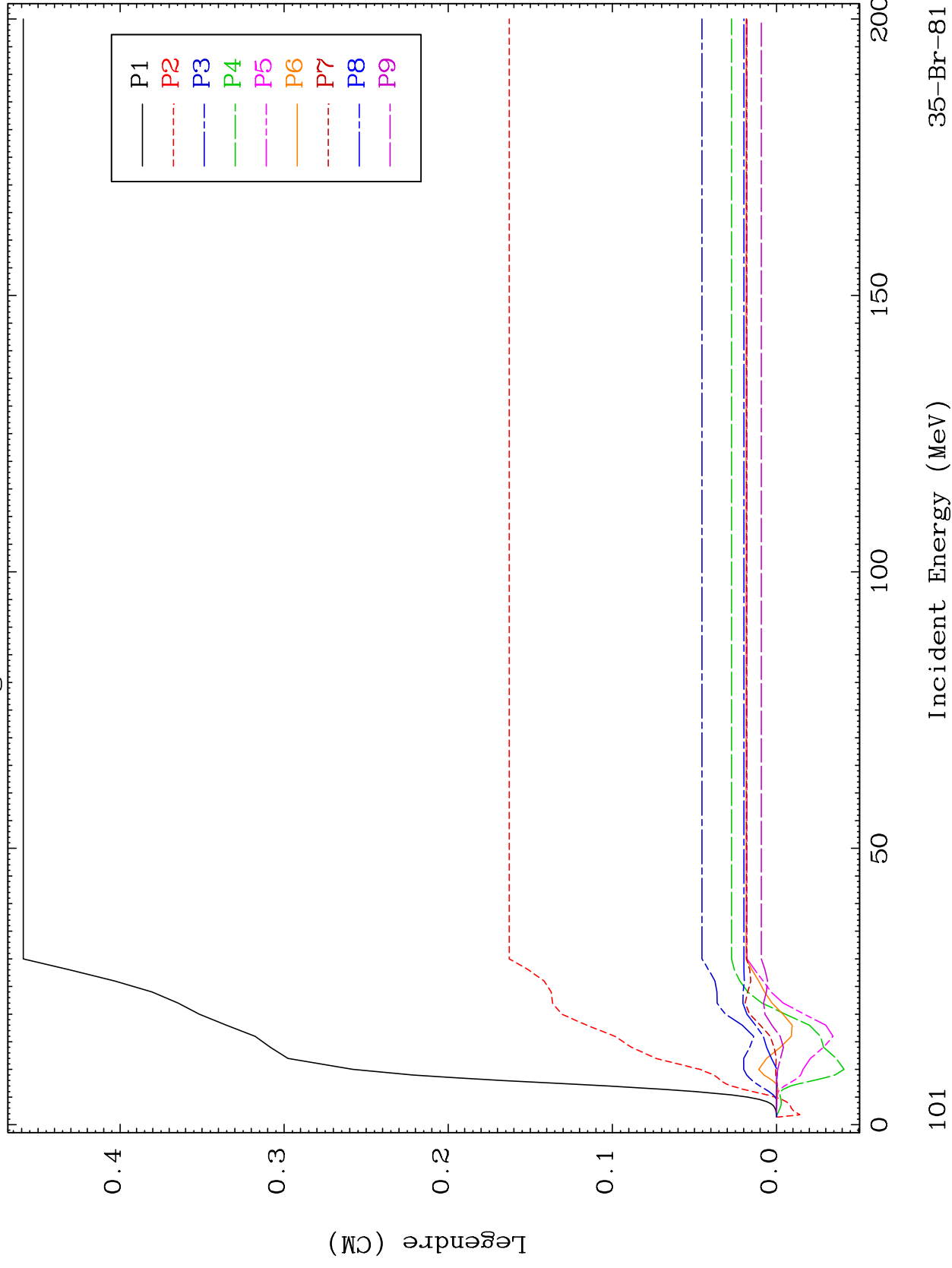
35-Br-81



MAT 3531

1.371 MeV (n,n') Level
Legendre Coefficients

35-Br-81



35-Br-81

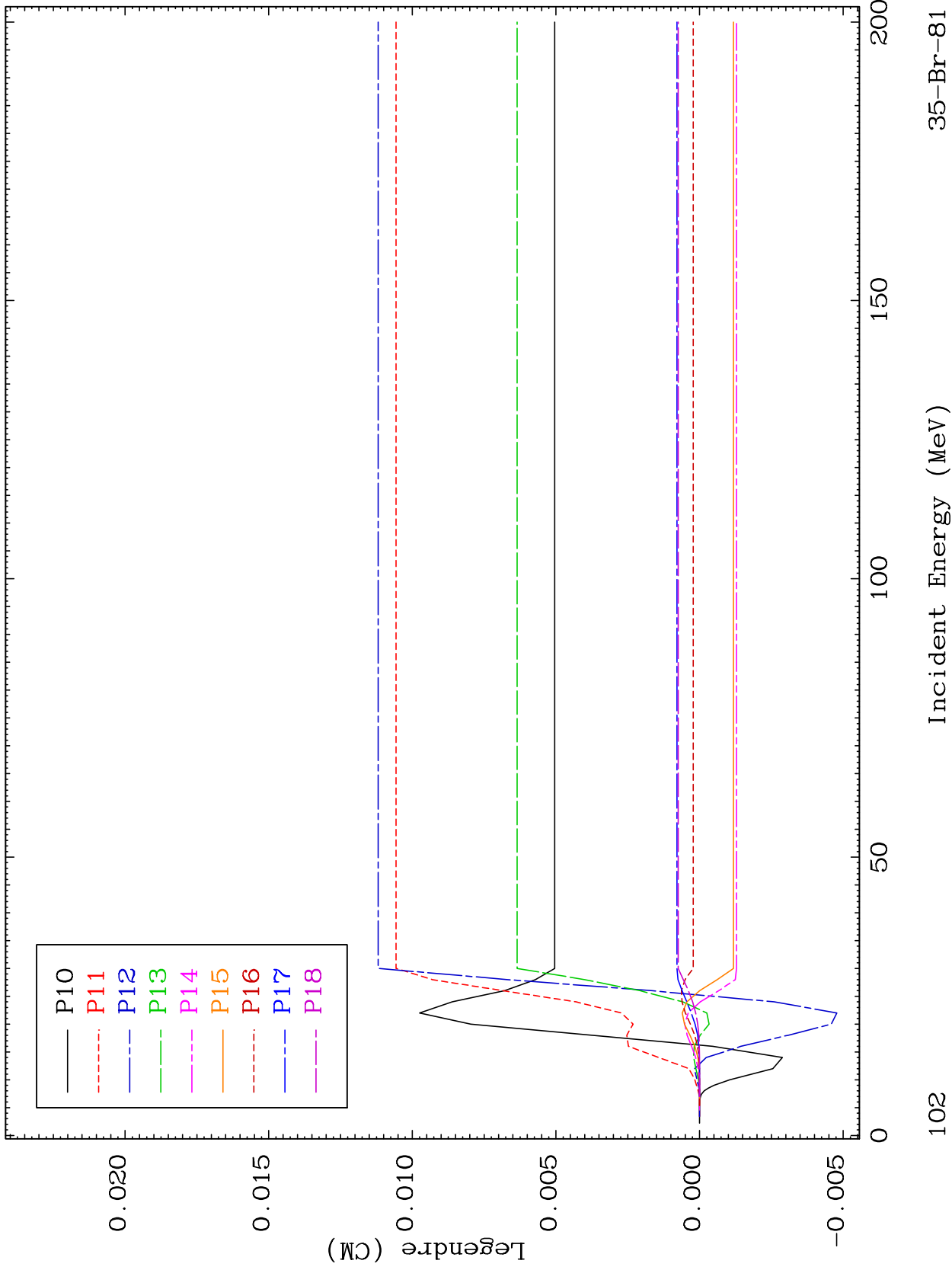
Incident Energy (MeV)

101

MAT 3531

1.371 MeV (n,n') Level
Legendre Coefficients

35-Br-81



102

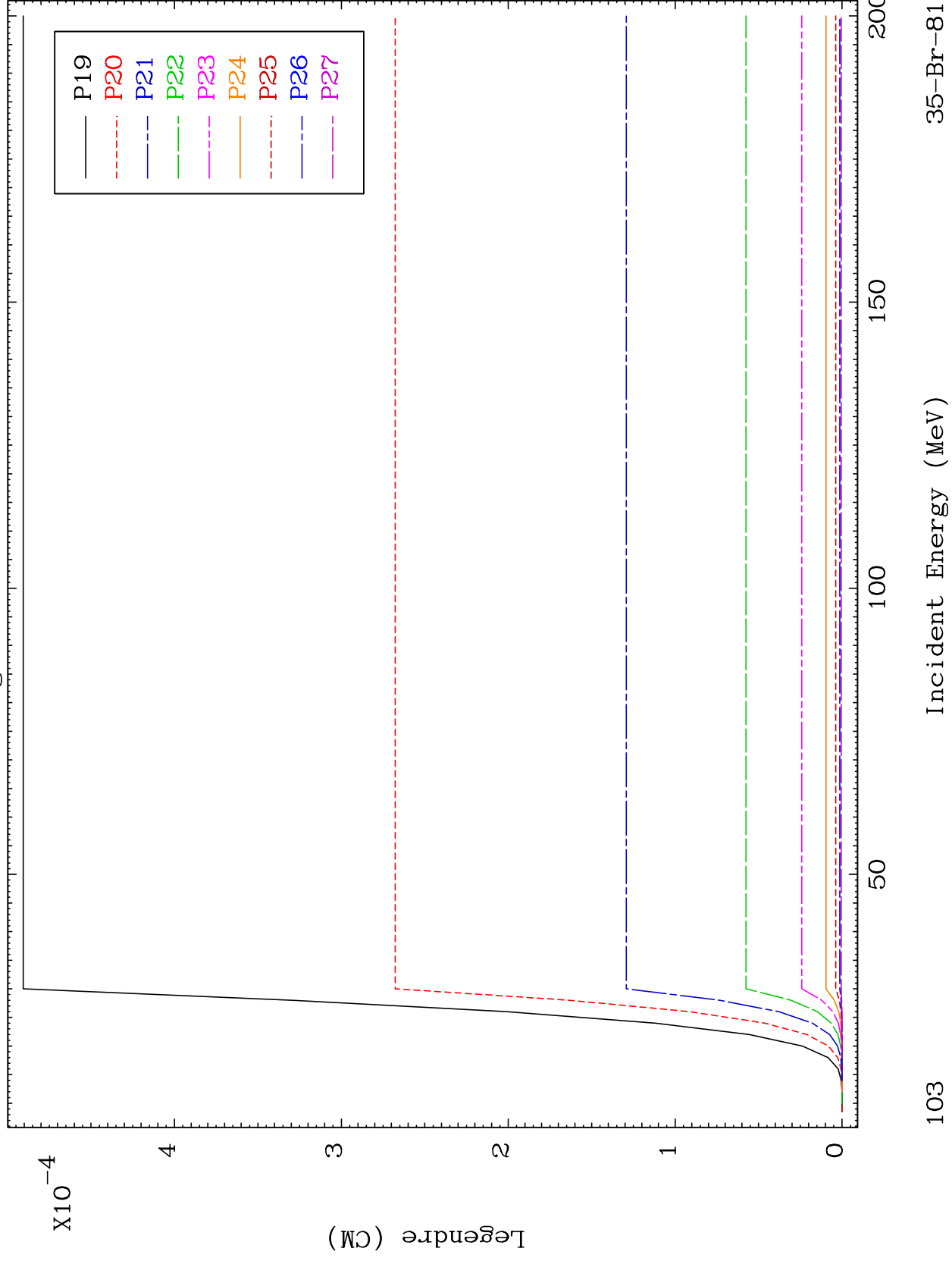
Incident Energy (MeV)

35-Br-81

MAT 3531

1.371 MeV (n,n') Level
Legendre Coefficients

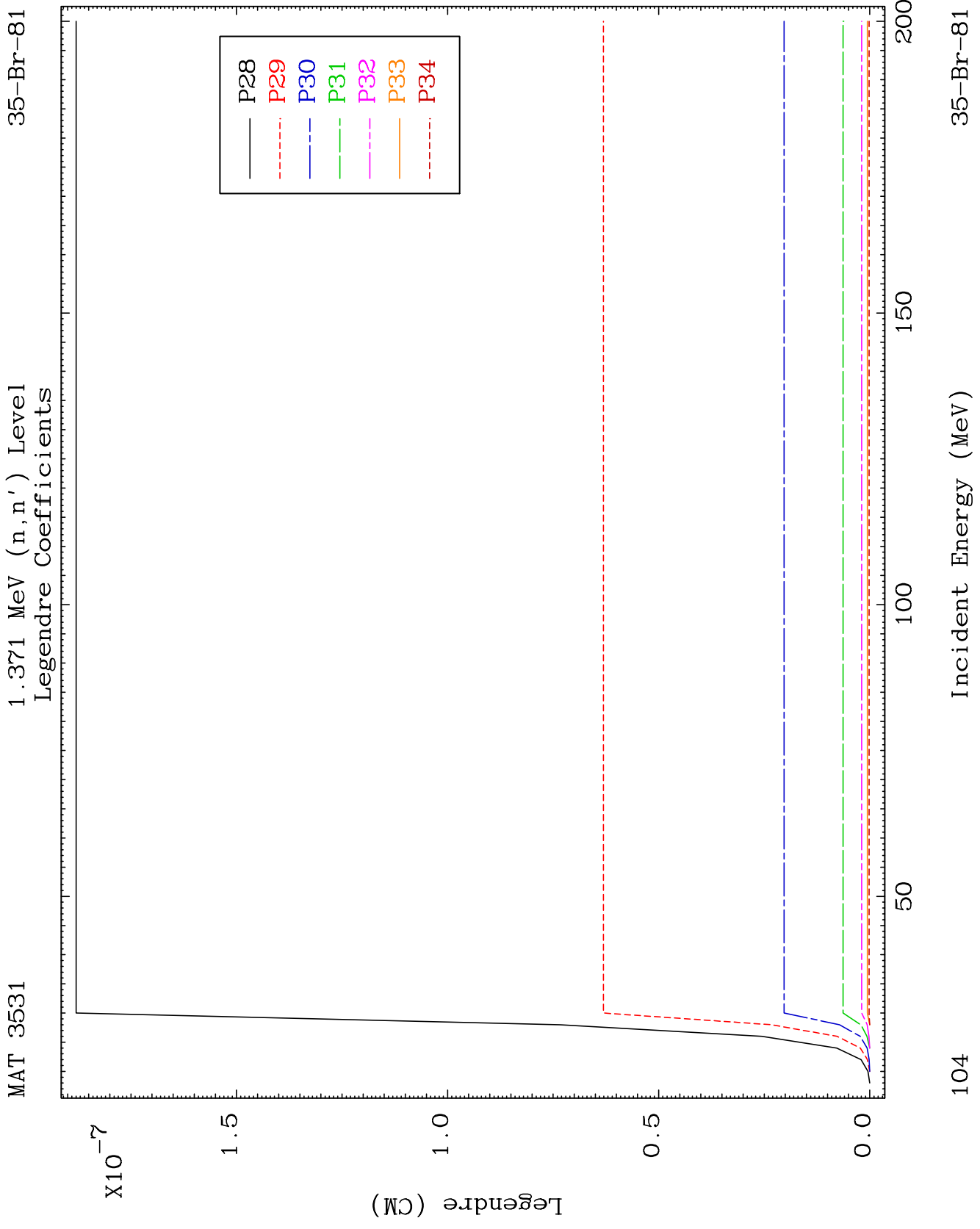
35-Br-81



103

Incident Energy (MeV)

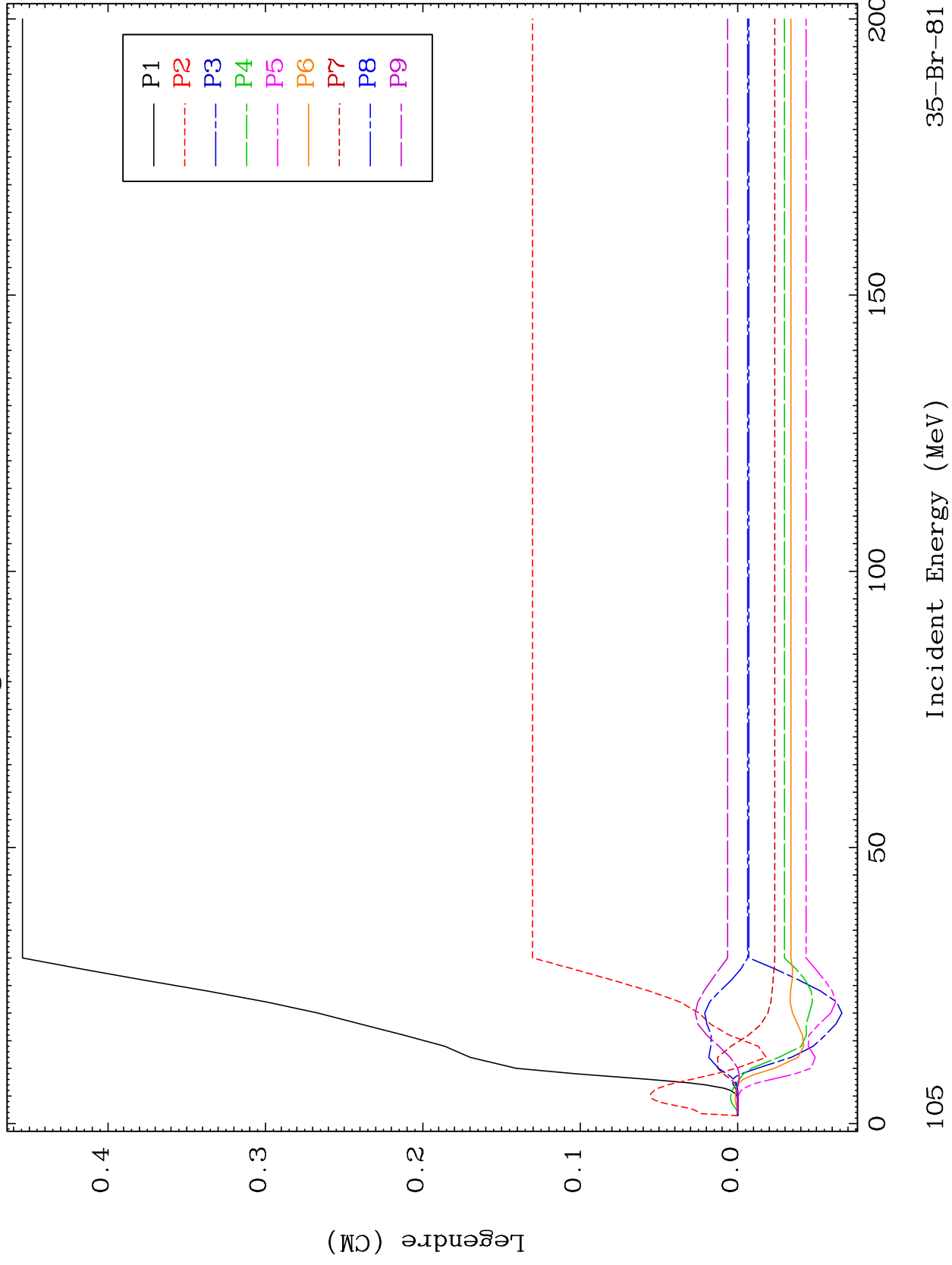
35-Br-81



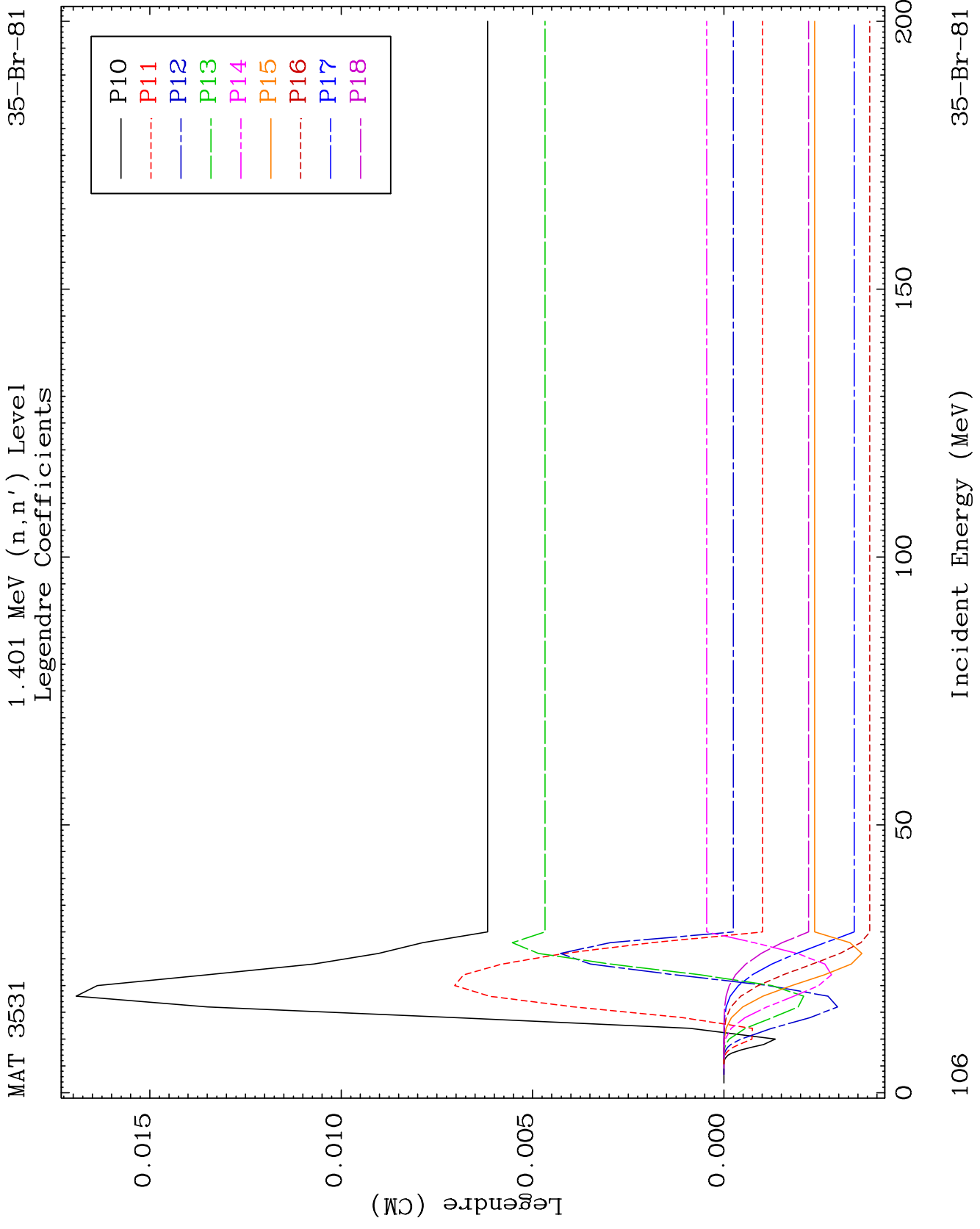
MAT 3531

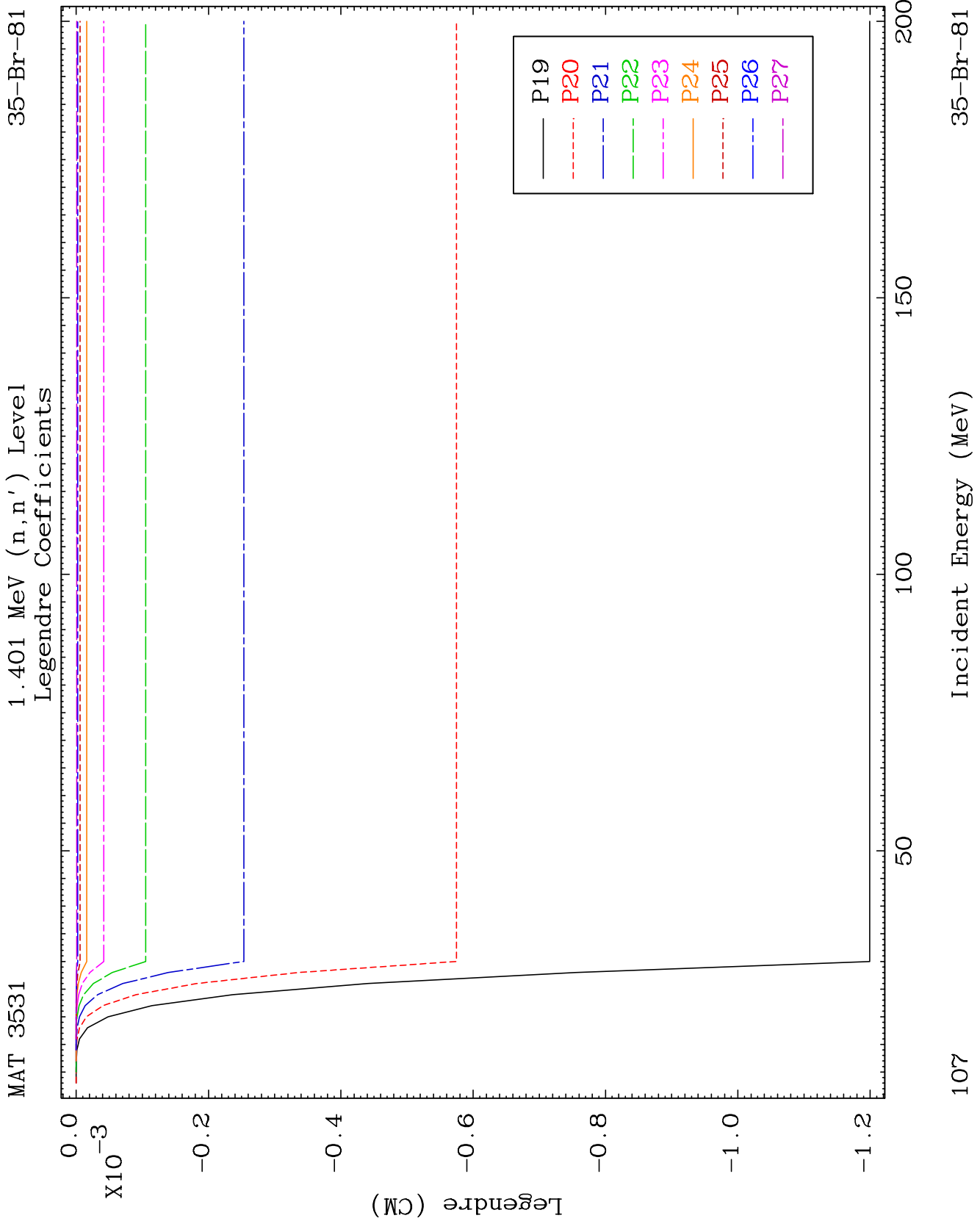
1.401 MeV (n,n') Level
Legendre Coefficients

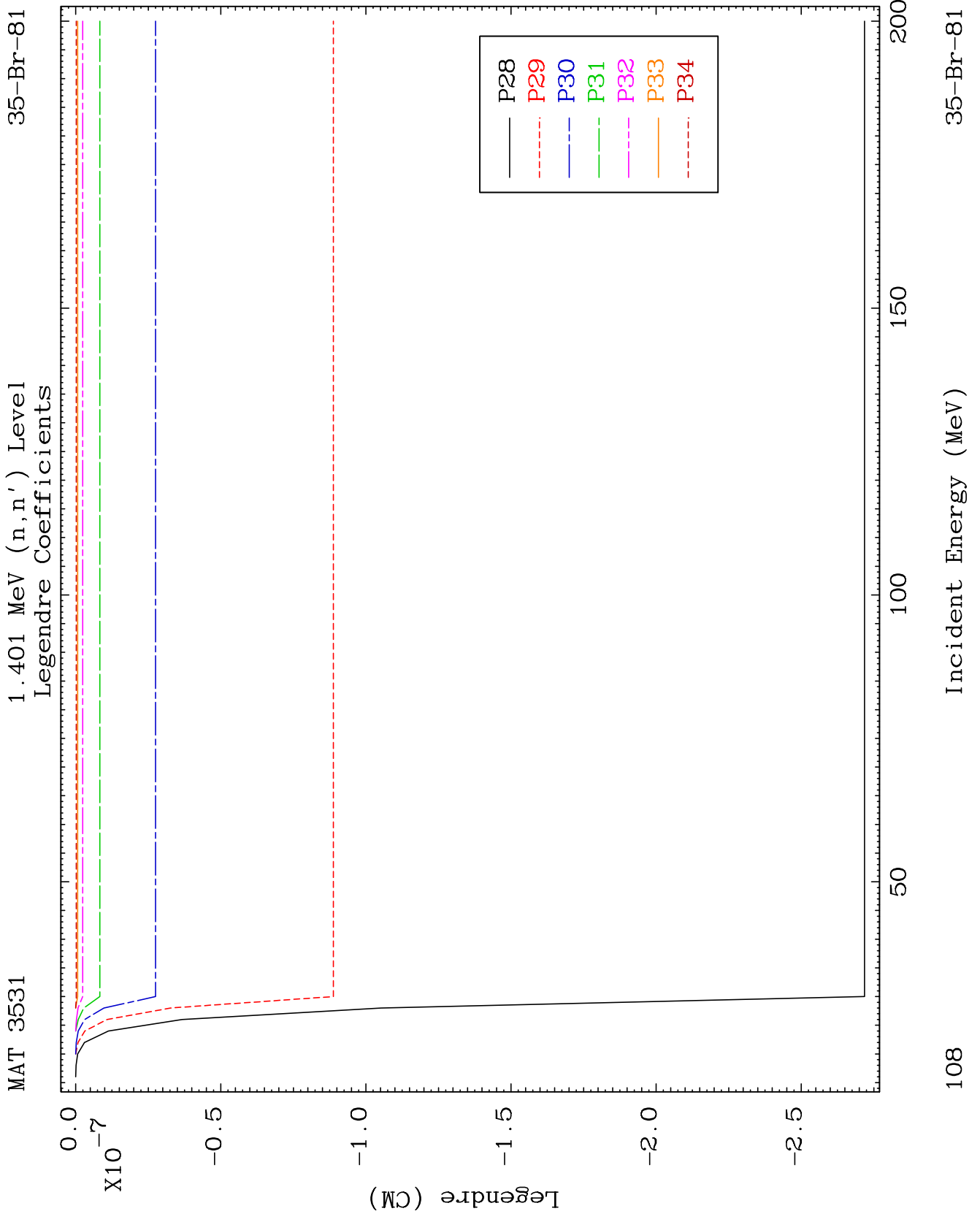
35-Br-81

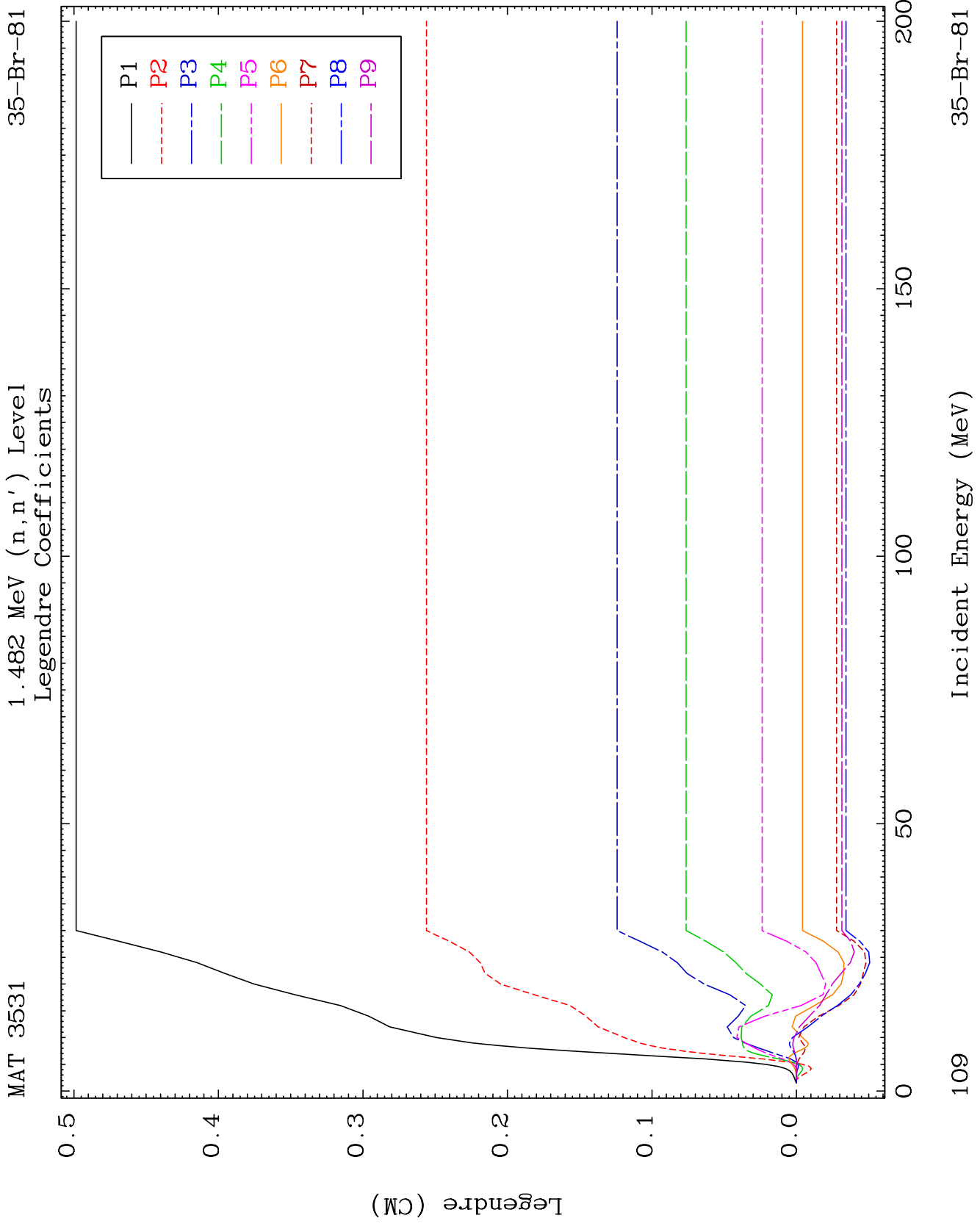


35-Br-81





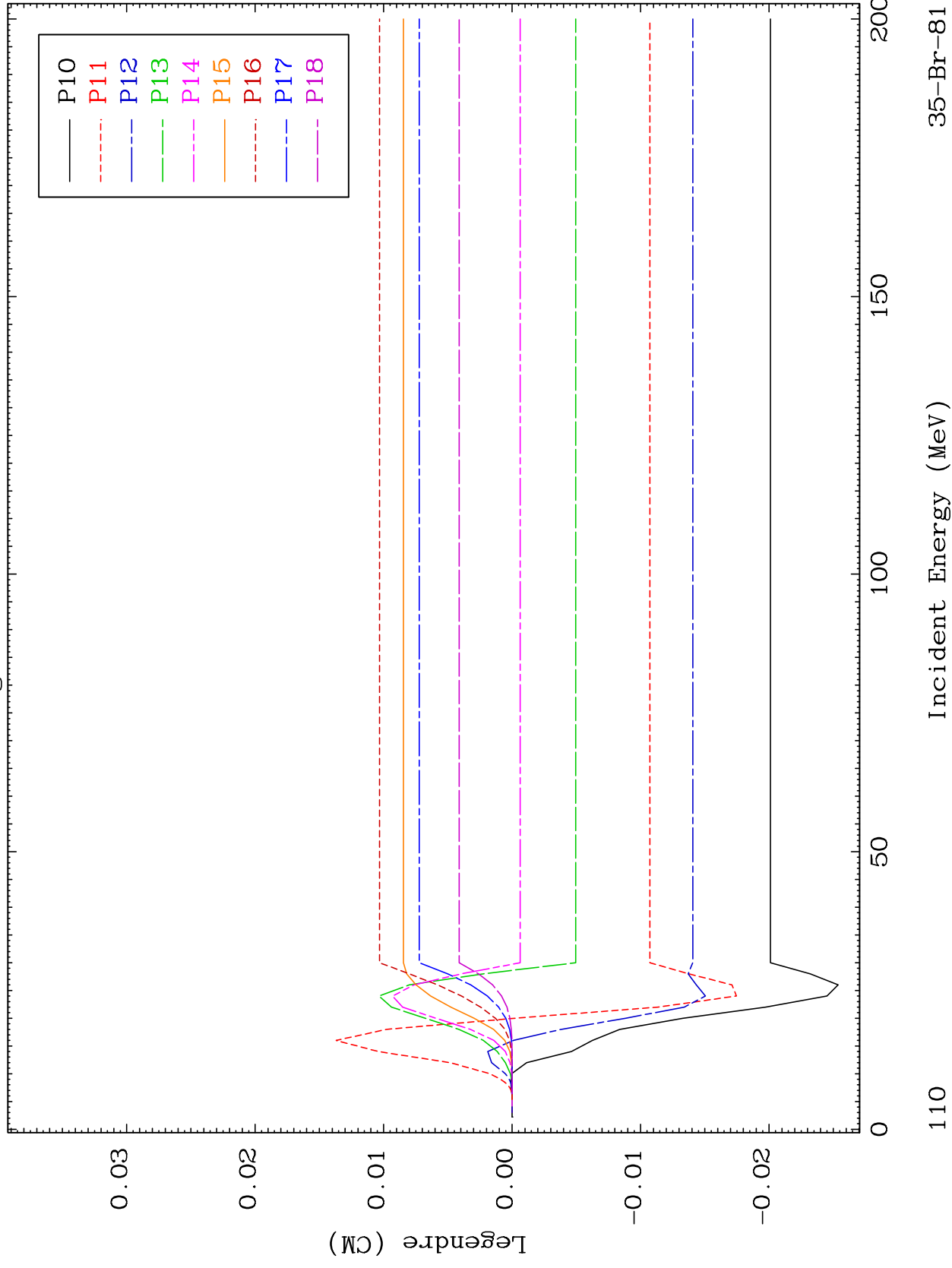




MAT 3531

1.482 MeV (n,n') Level
Legendre Coefficients

35-Br-81



35-Br-81

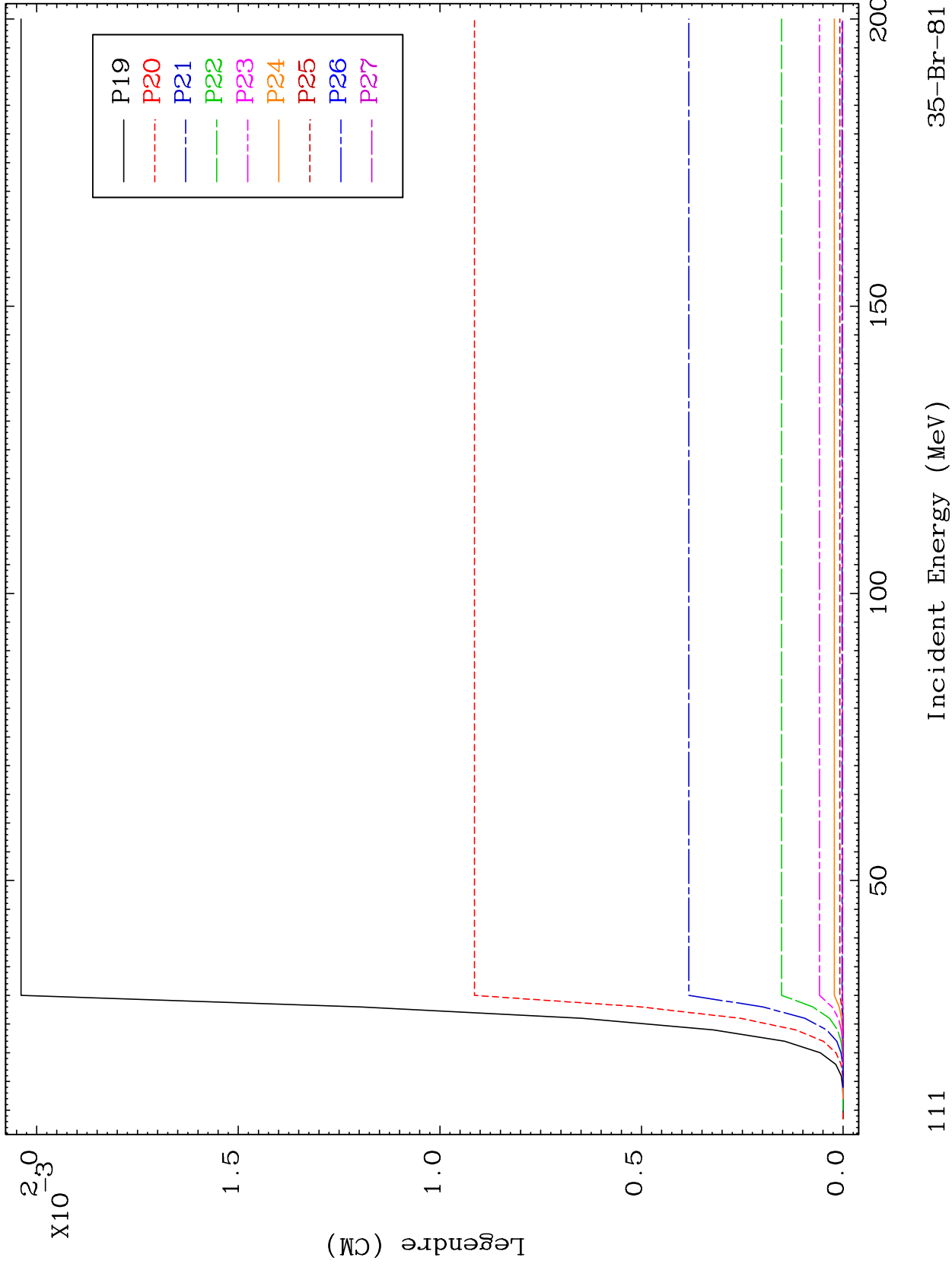
Incident Energy (MeV)

110

MAT 3531

1.482 MeV (n,n') Level
Legendre Coefficients

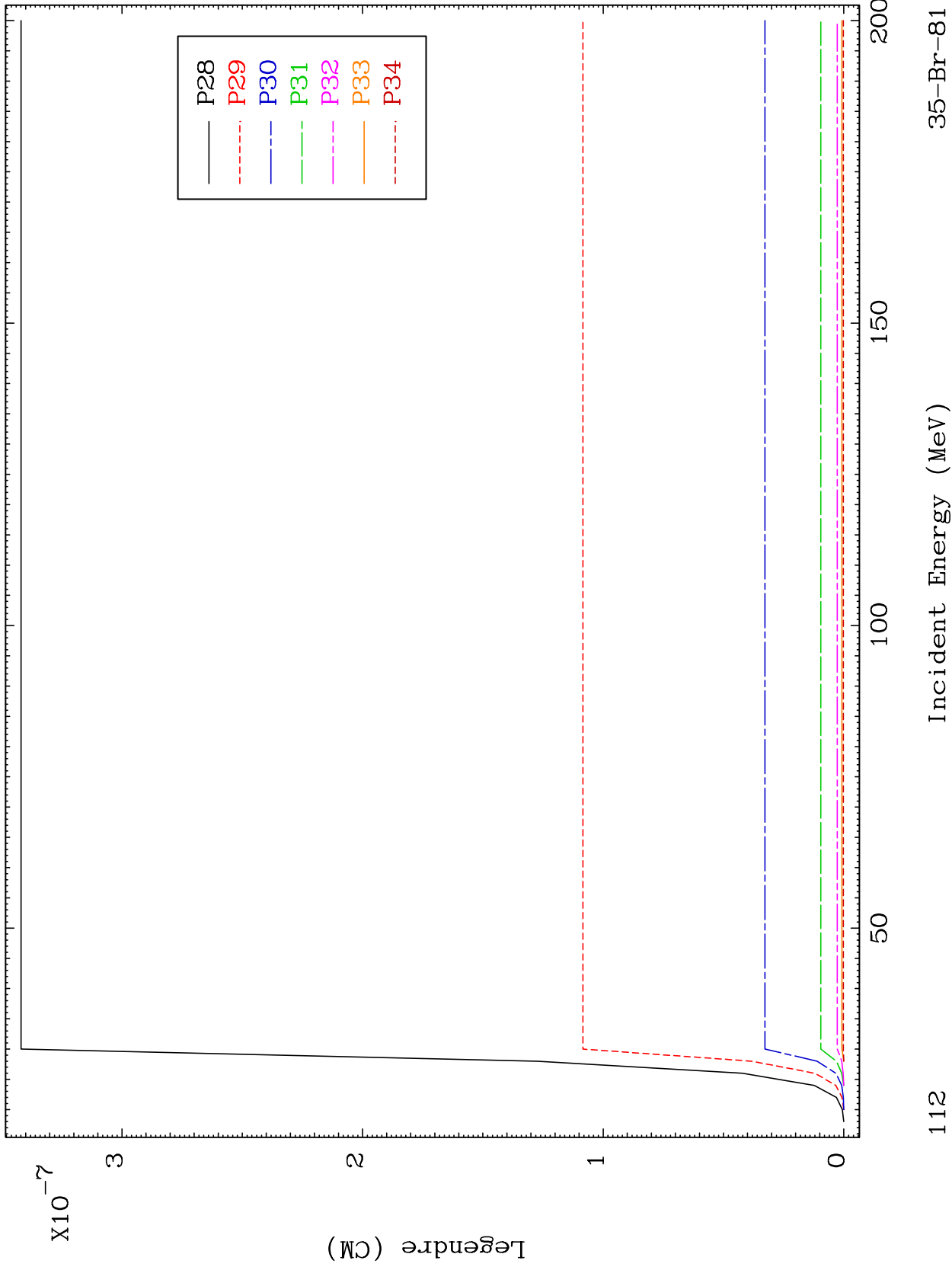
35-Br-81



MAT 3531

1.482 MeV (n,n') Level
Legendre Coefficients

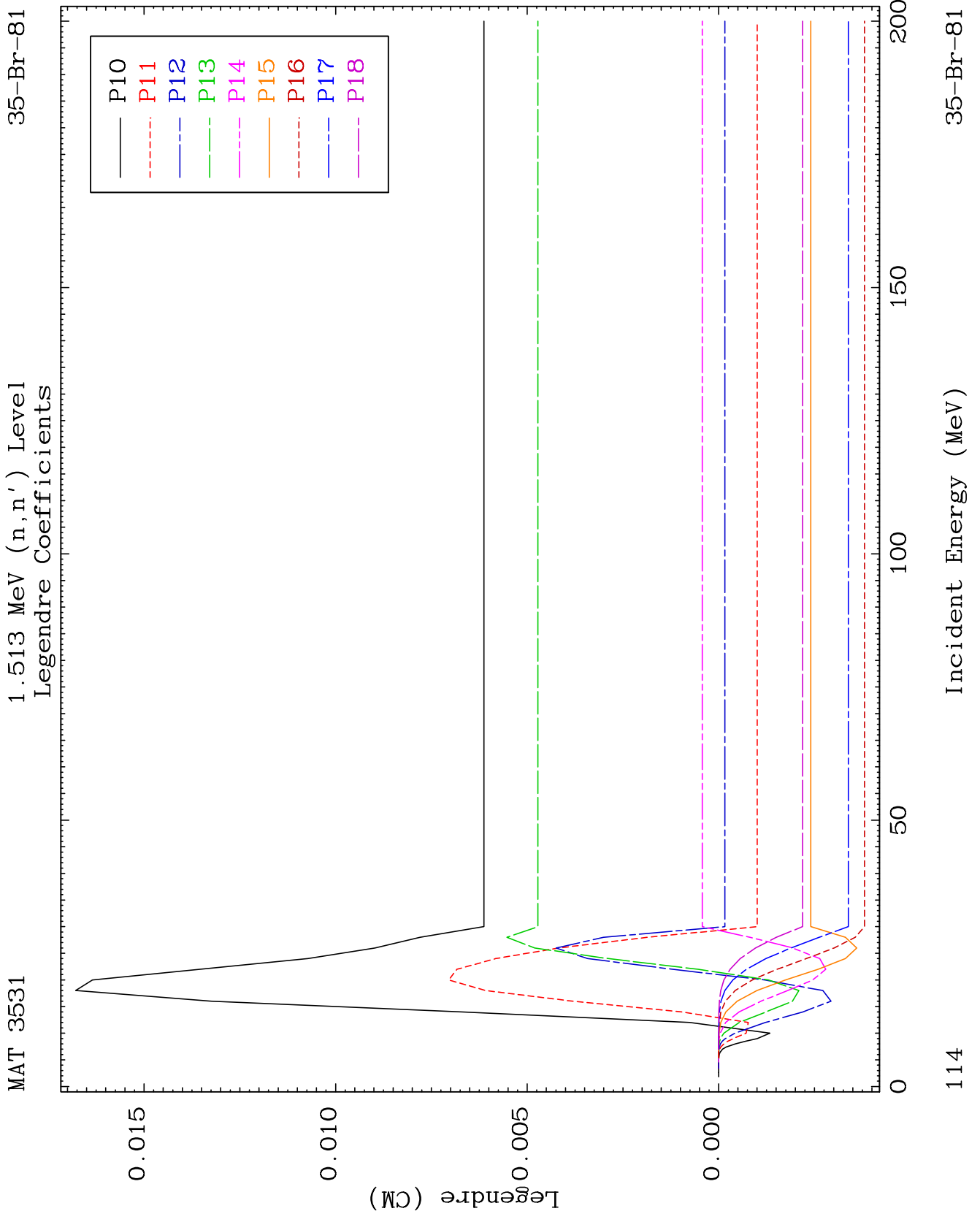
35-Br-81

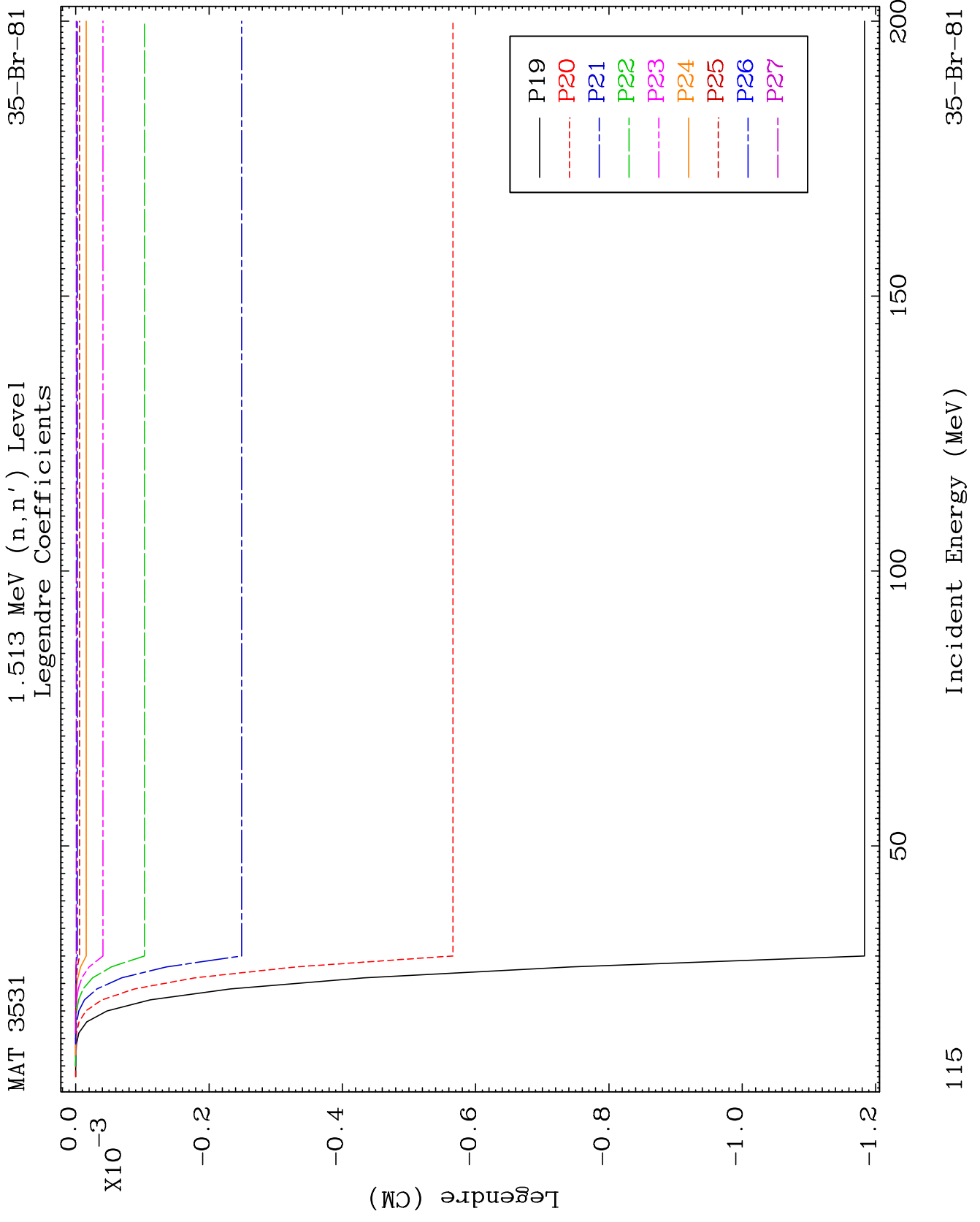


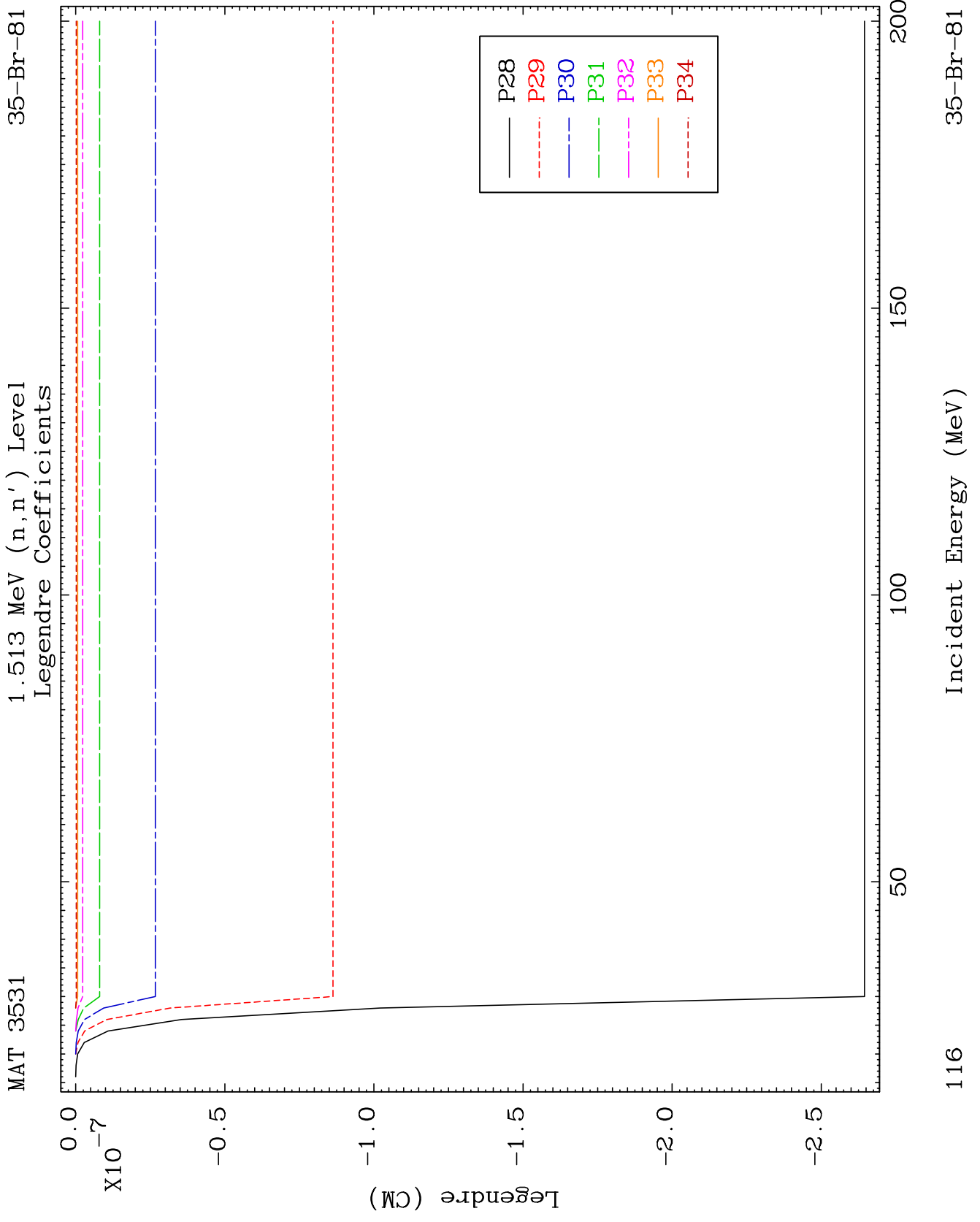
112

Incident Energy (MeV)

35-Br-81



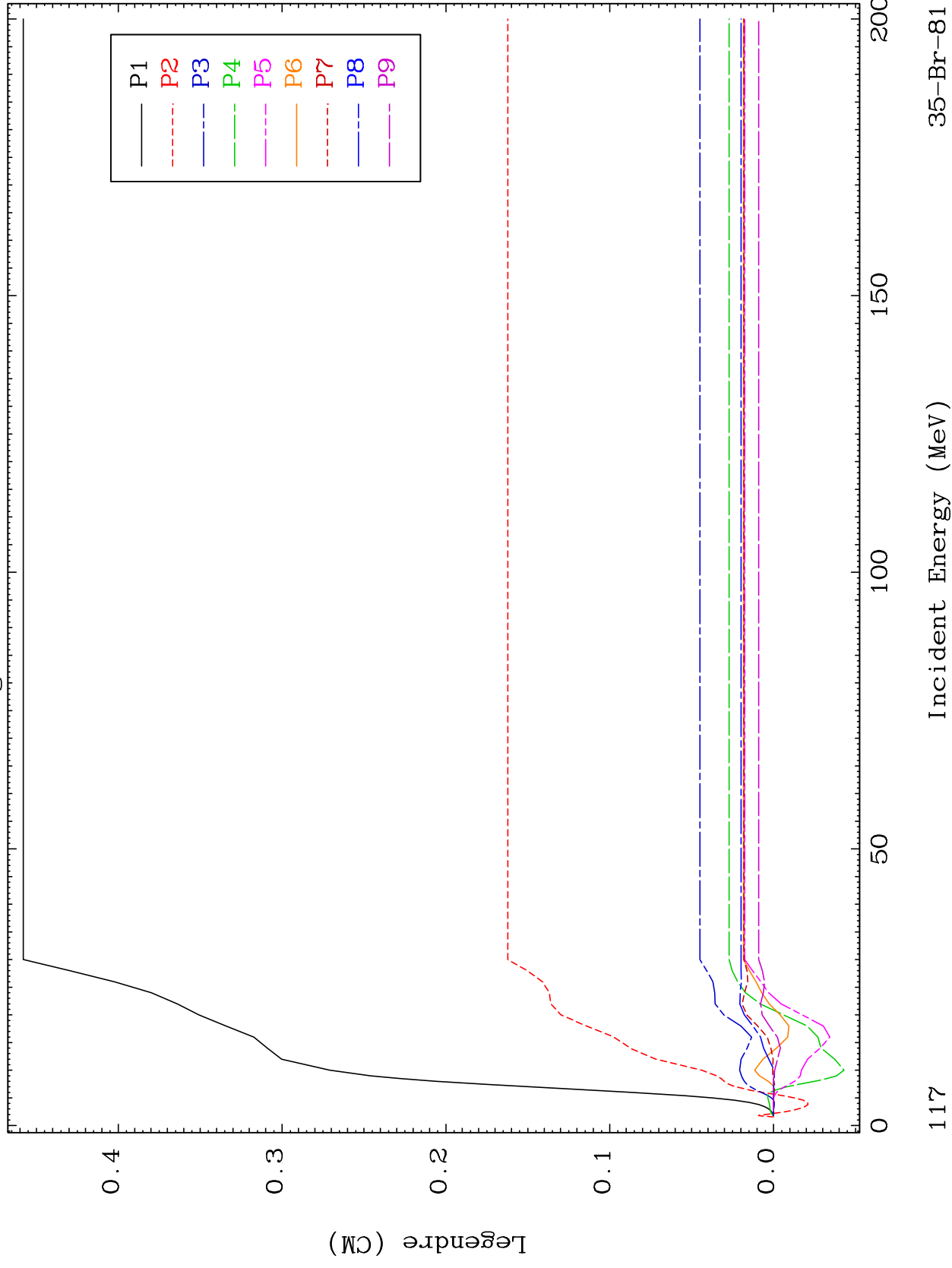




MAT 3531

1.522 MeV (n,n') Level
Legendre Coefficients

35-Br-81



117

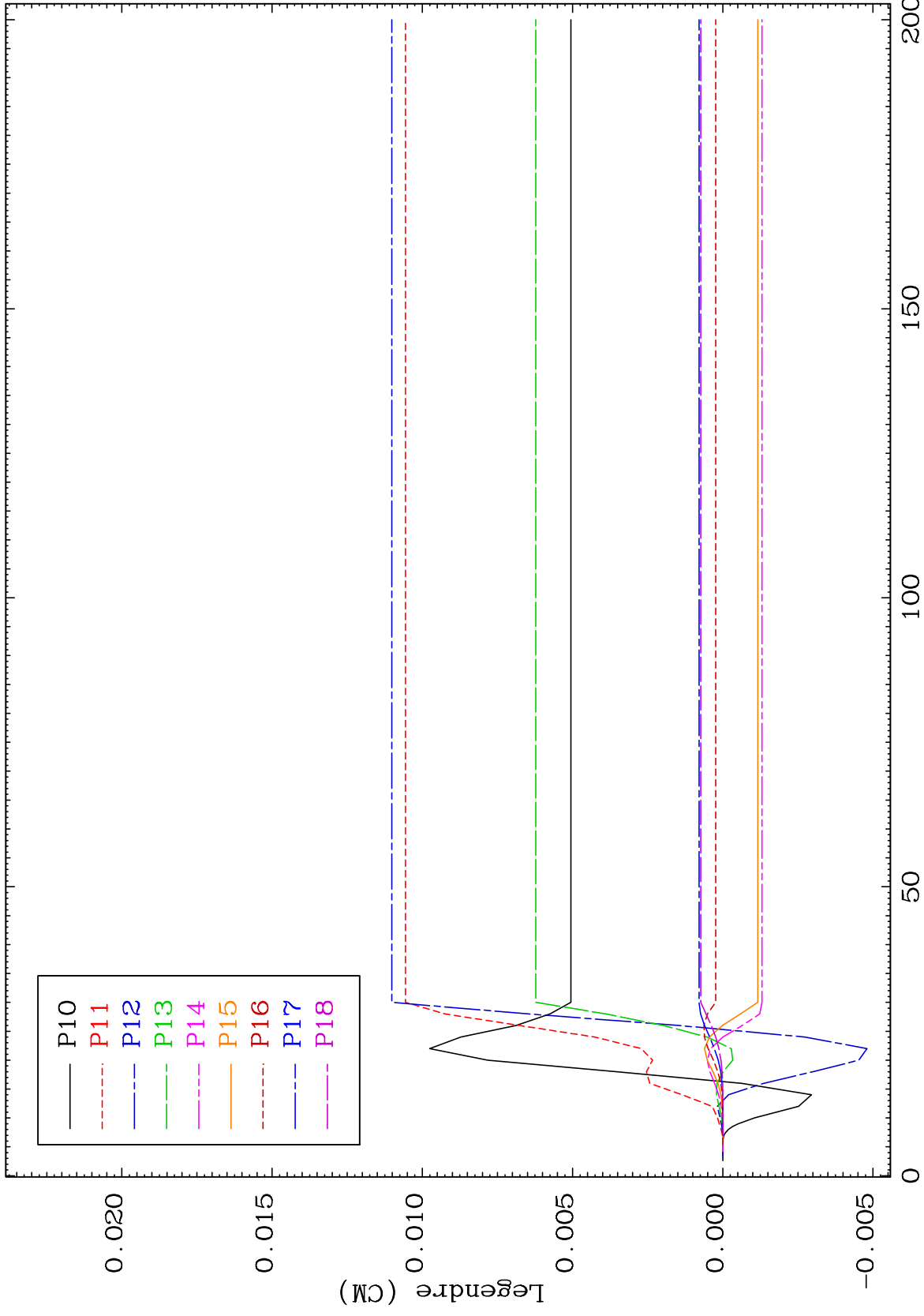
Incident Energy (MeV)

35-Br-81

MAT 3531

1.522 MeV (n,n') Level
Legendre Coefficients

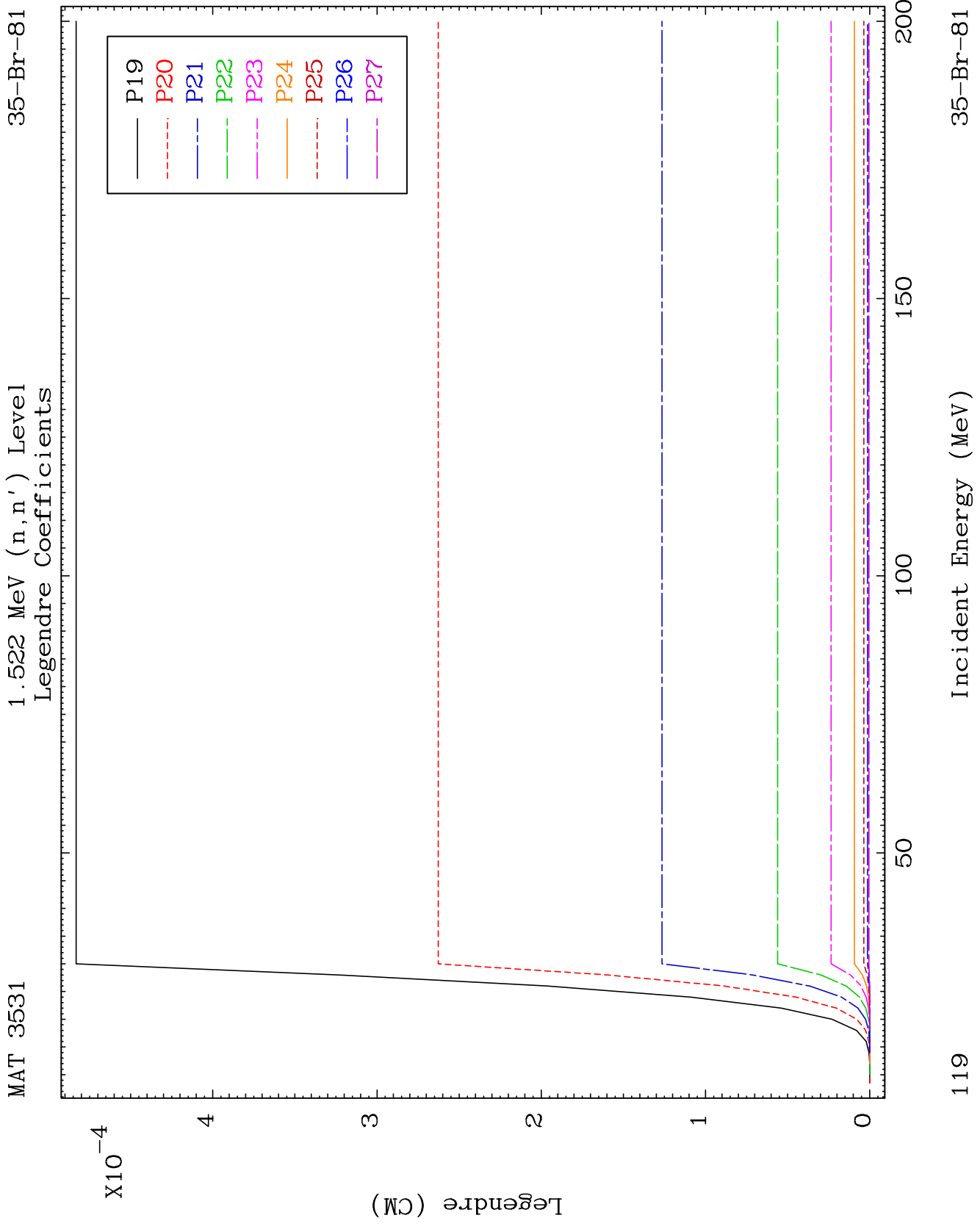
35-Br-81

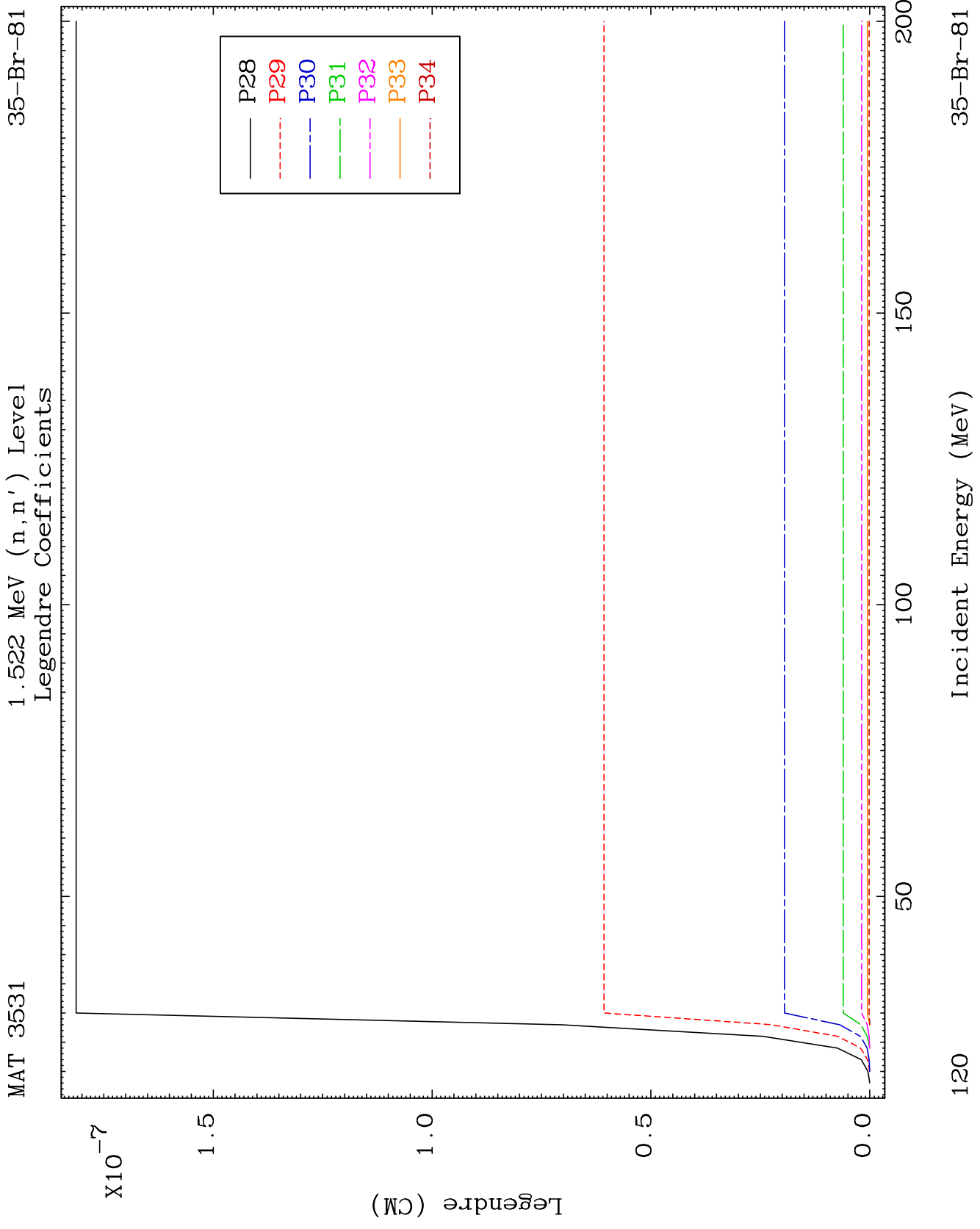


118

Incident Energy (MeV)

35-Br-81

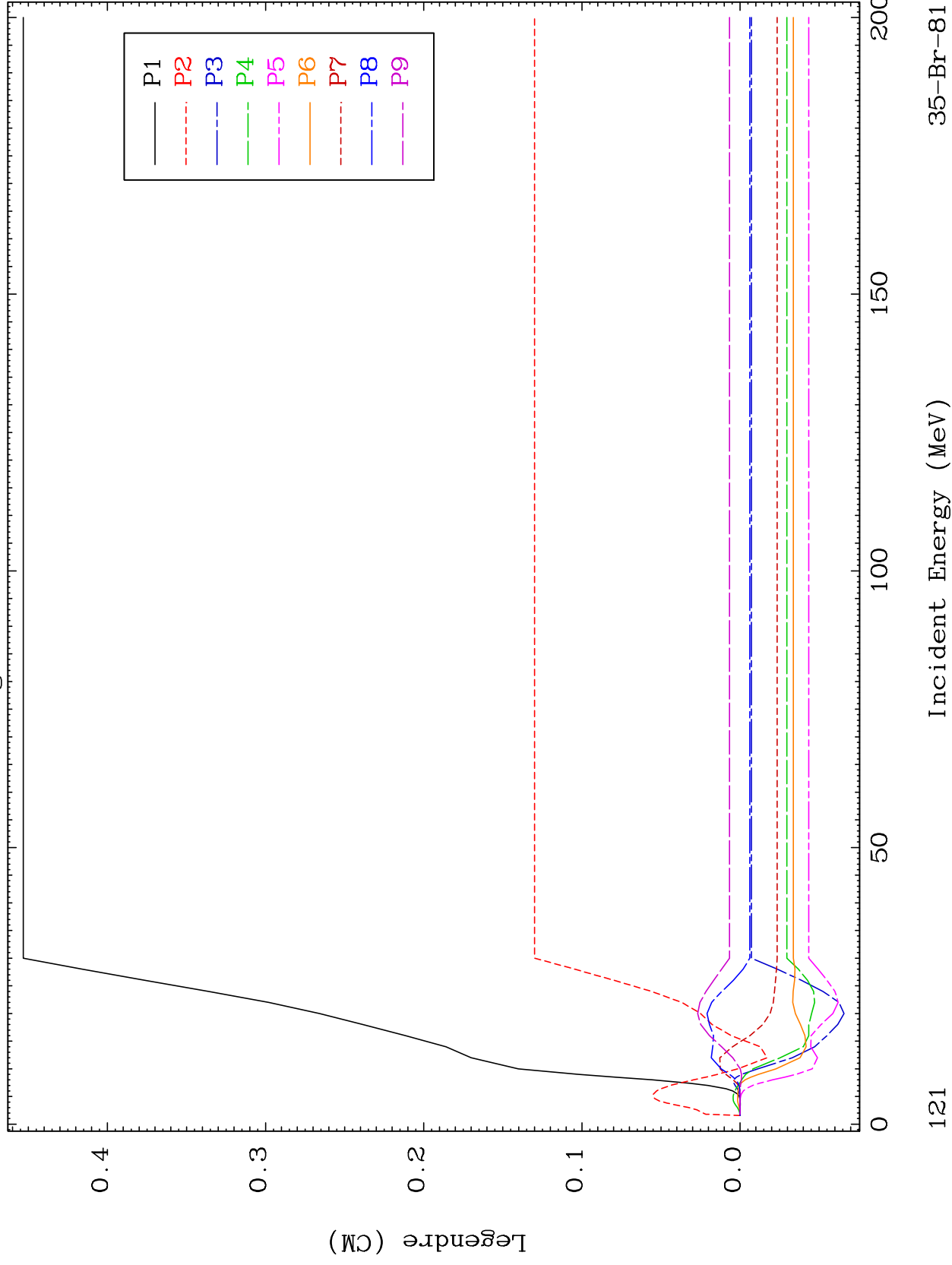


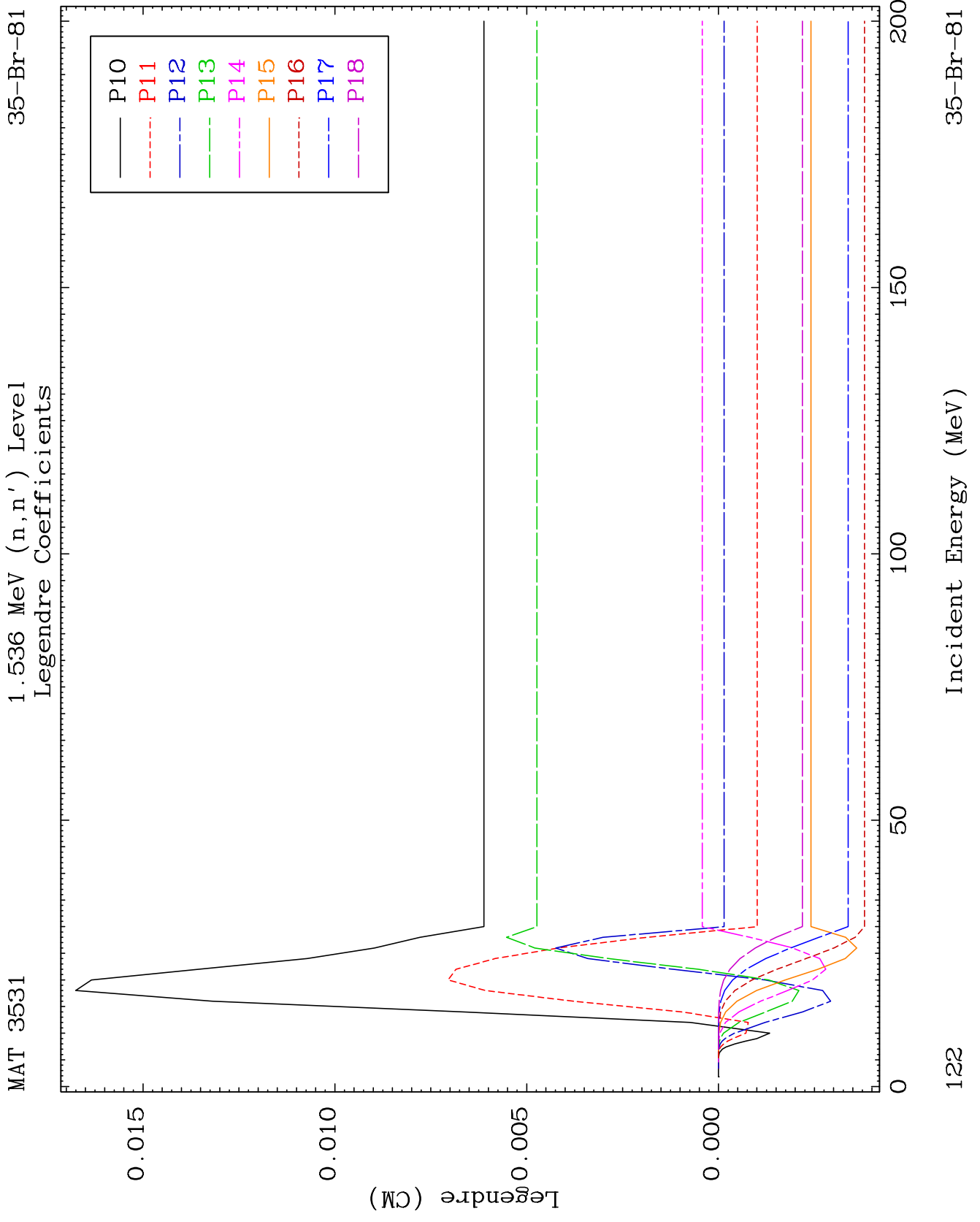


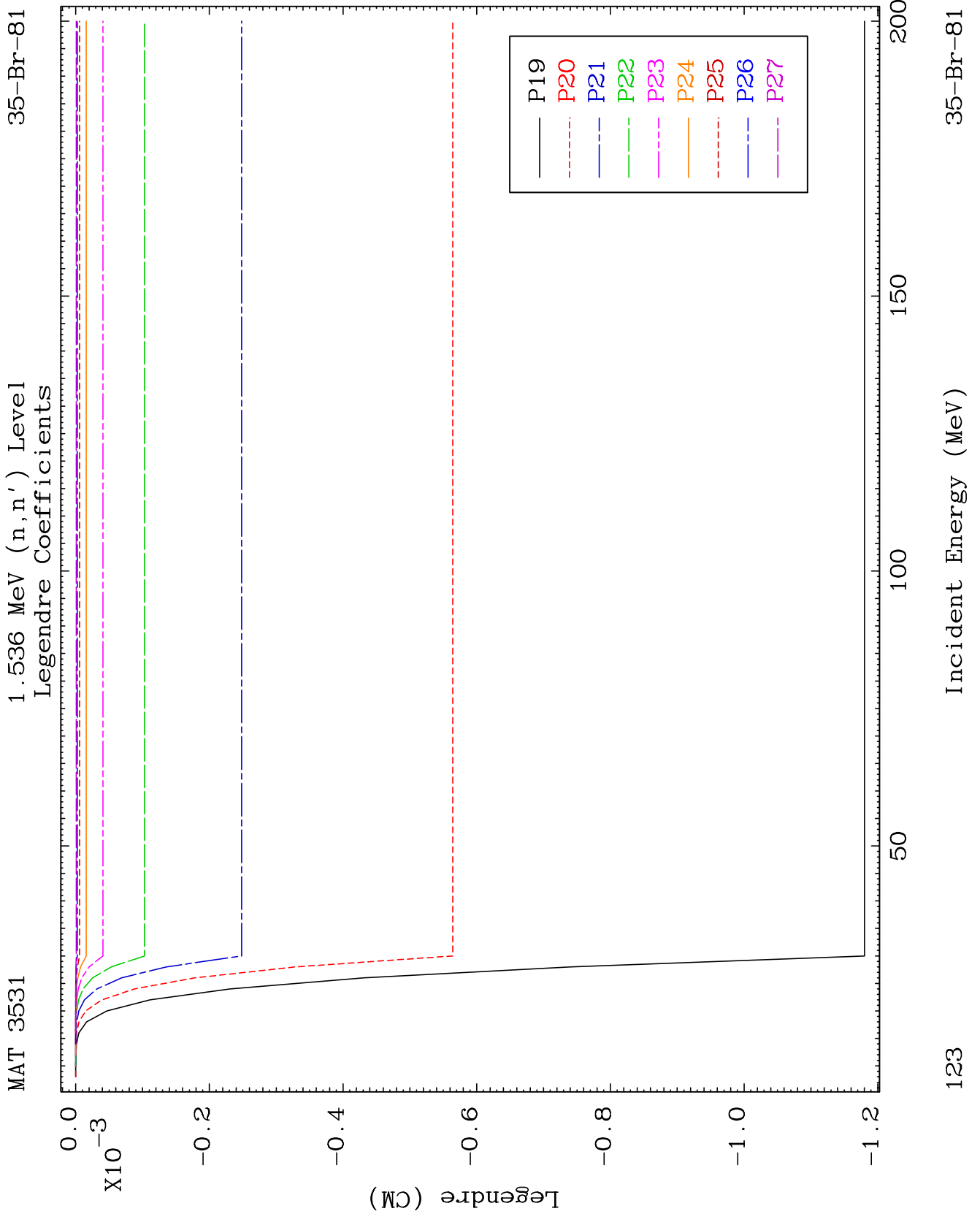
MAT 3531

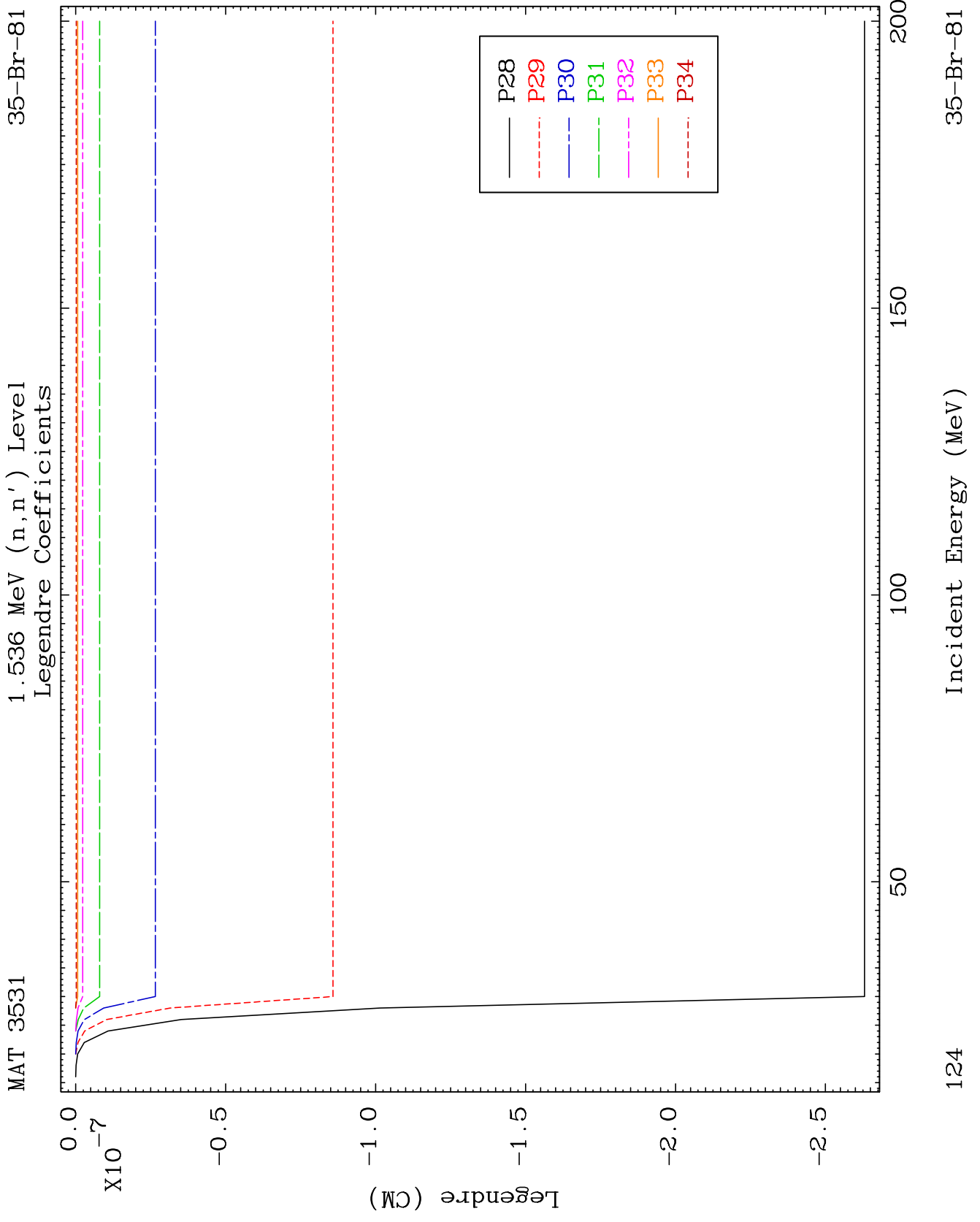
1.536 MeV (n,n') Level
Legendre Coefficients

35-Br-81





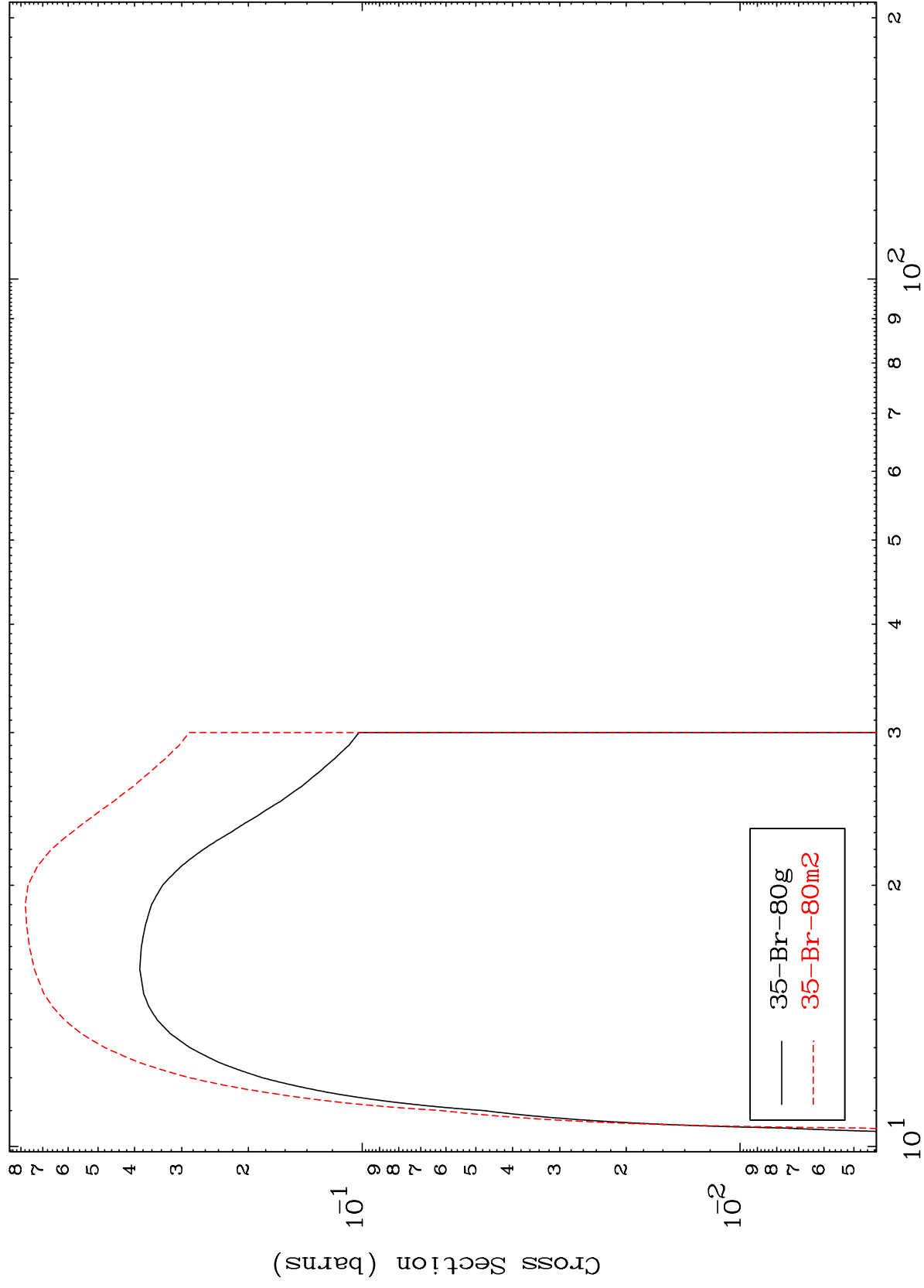




MAT 3531

³⁵Br-81

(n,2n)
Radionuclide Production Cross Section



³⁵Br-81

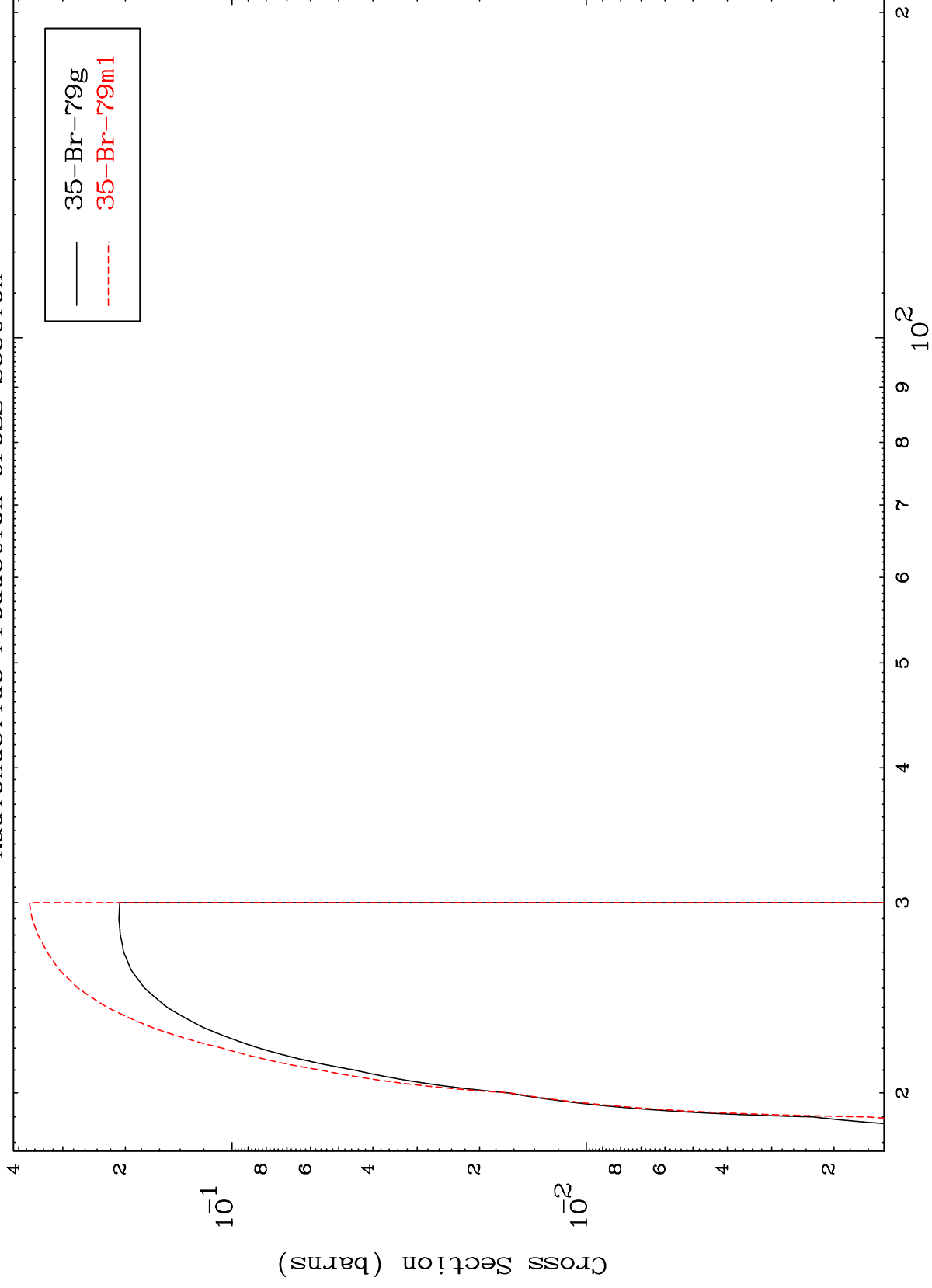
Incident Energy (MeV)

125

MAT 3531

35-Br-81

(n,3n)
Radionuclide Production Cross Section

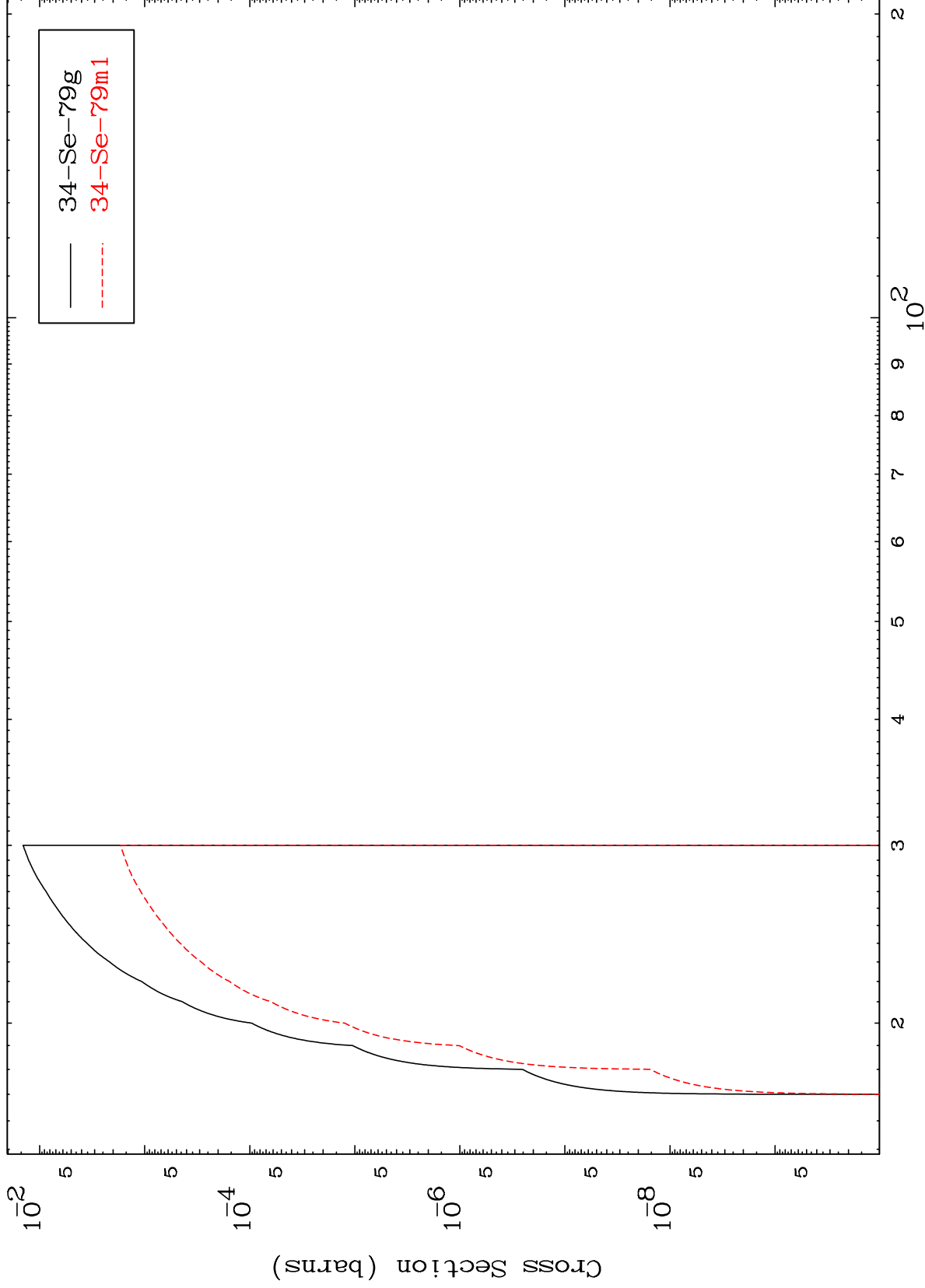


126

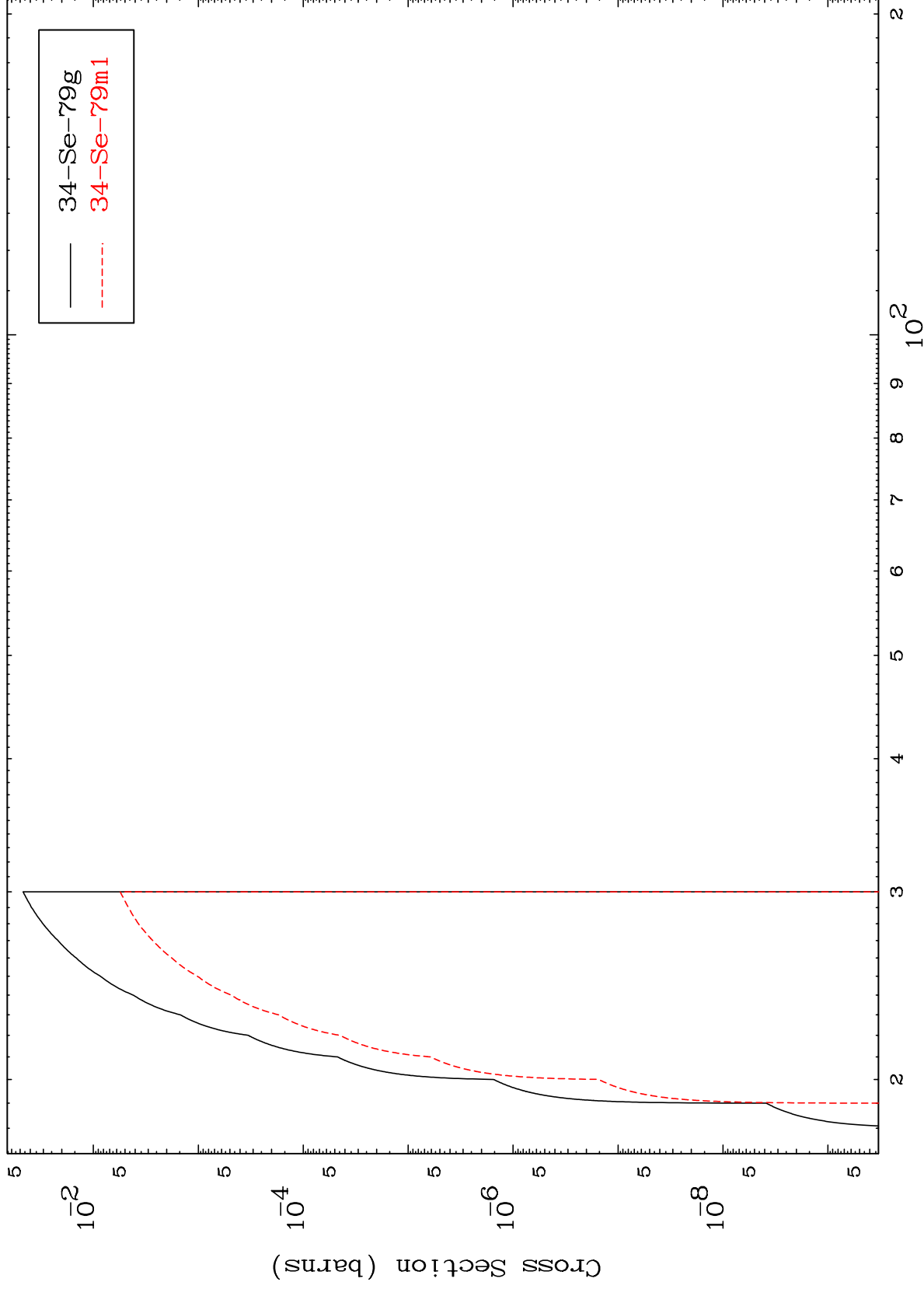
Incident Energy (MeV)

35-Br-81

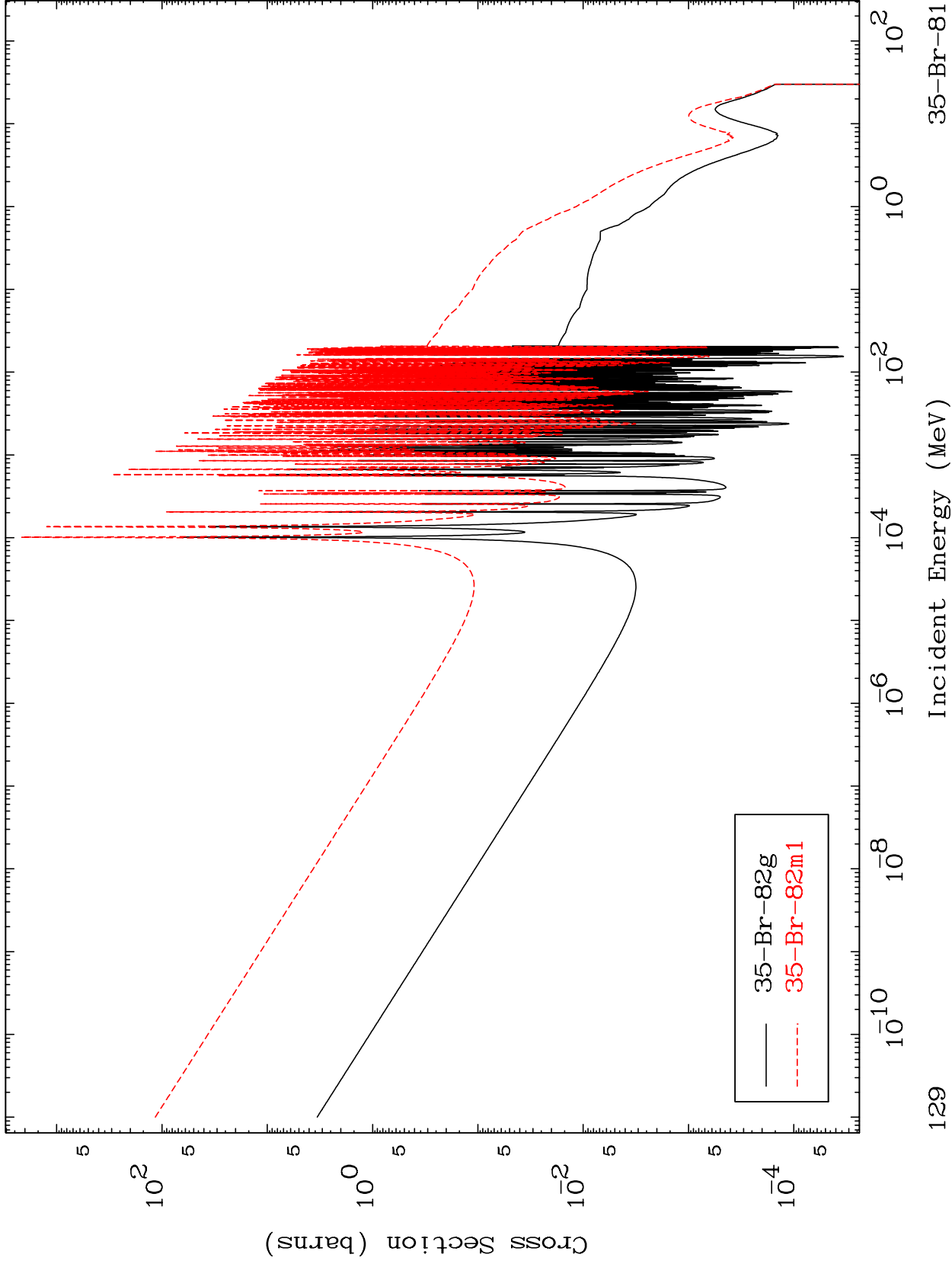
Radionuclide Production Cross Section



Radionuclide Production Cross Section



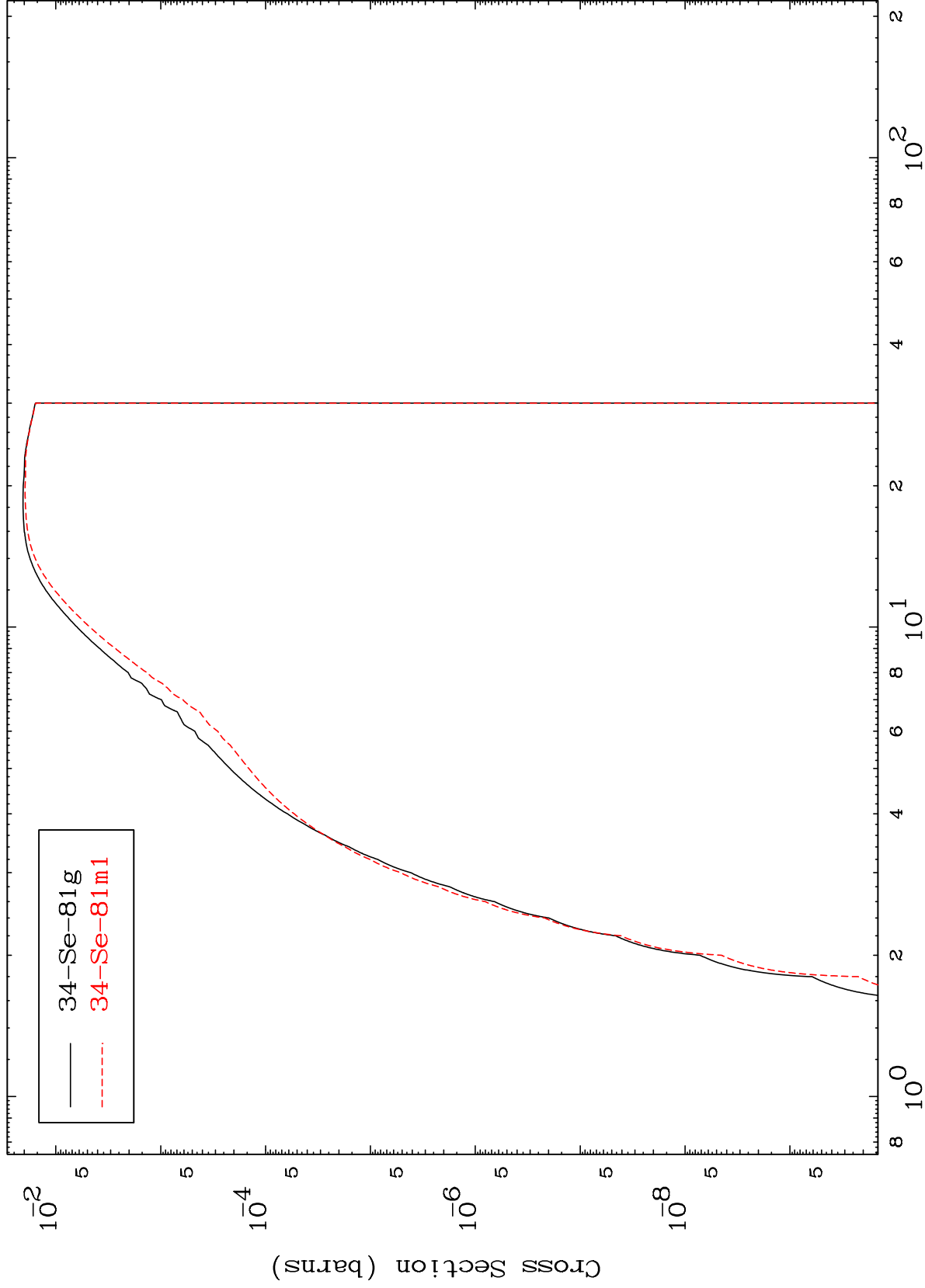
(n, γ)
Radionuclide Production Cross Section



MAT 3531

35-Br-81

(n,p)
Radionuclide Production Cross Section



Incident Energy (MeV)

35-Br-81

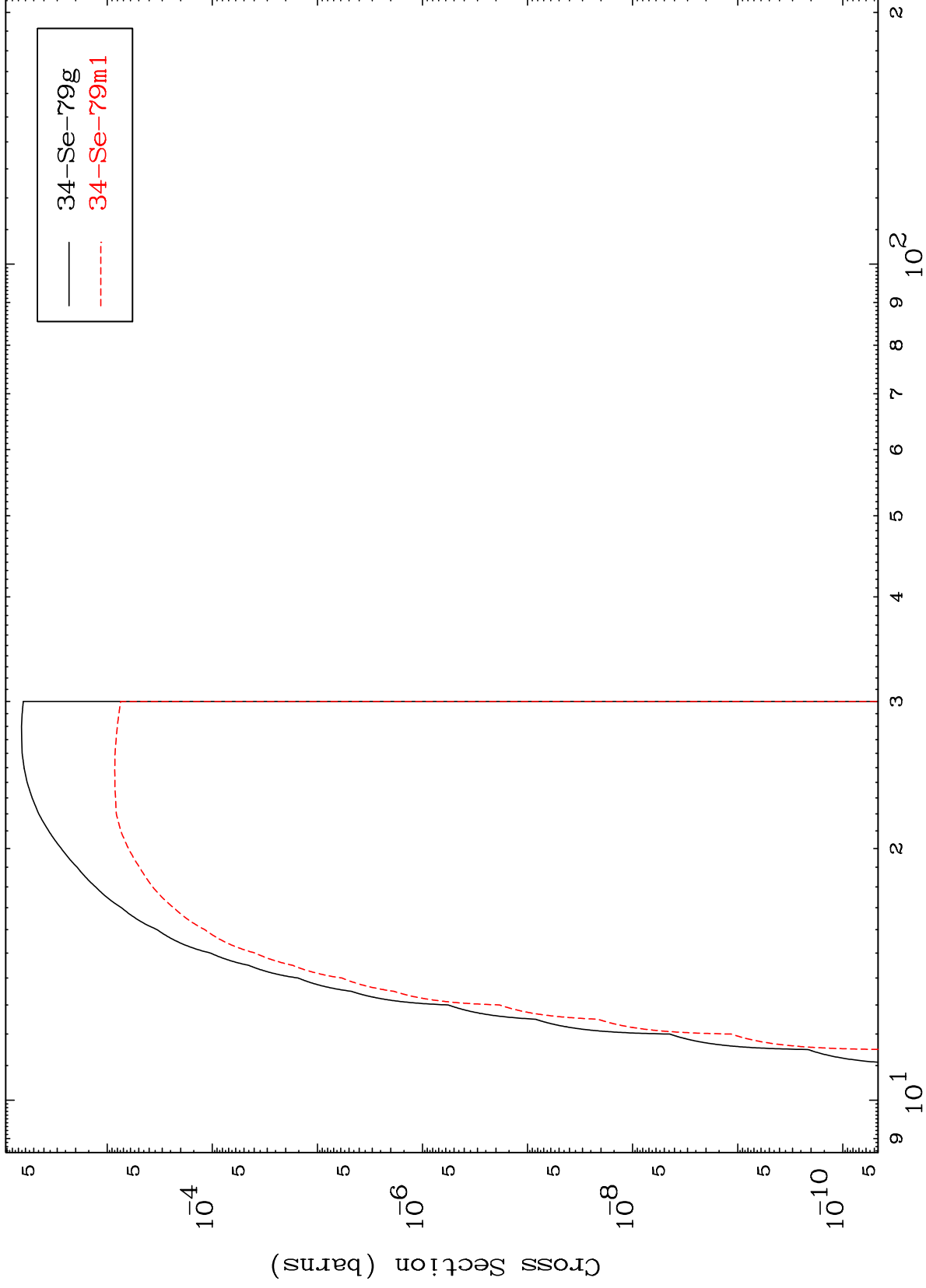
130

MAT 3531

(n,t)

35-Br-81

Radionuclide Production Cross Section



Incident Energy (MeV)

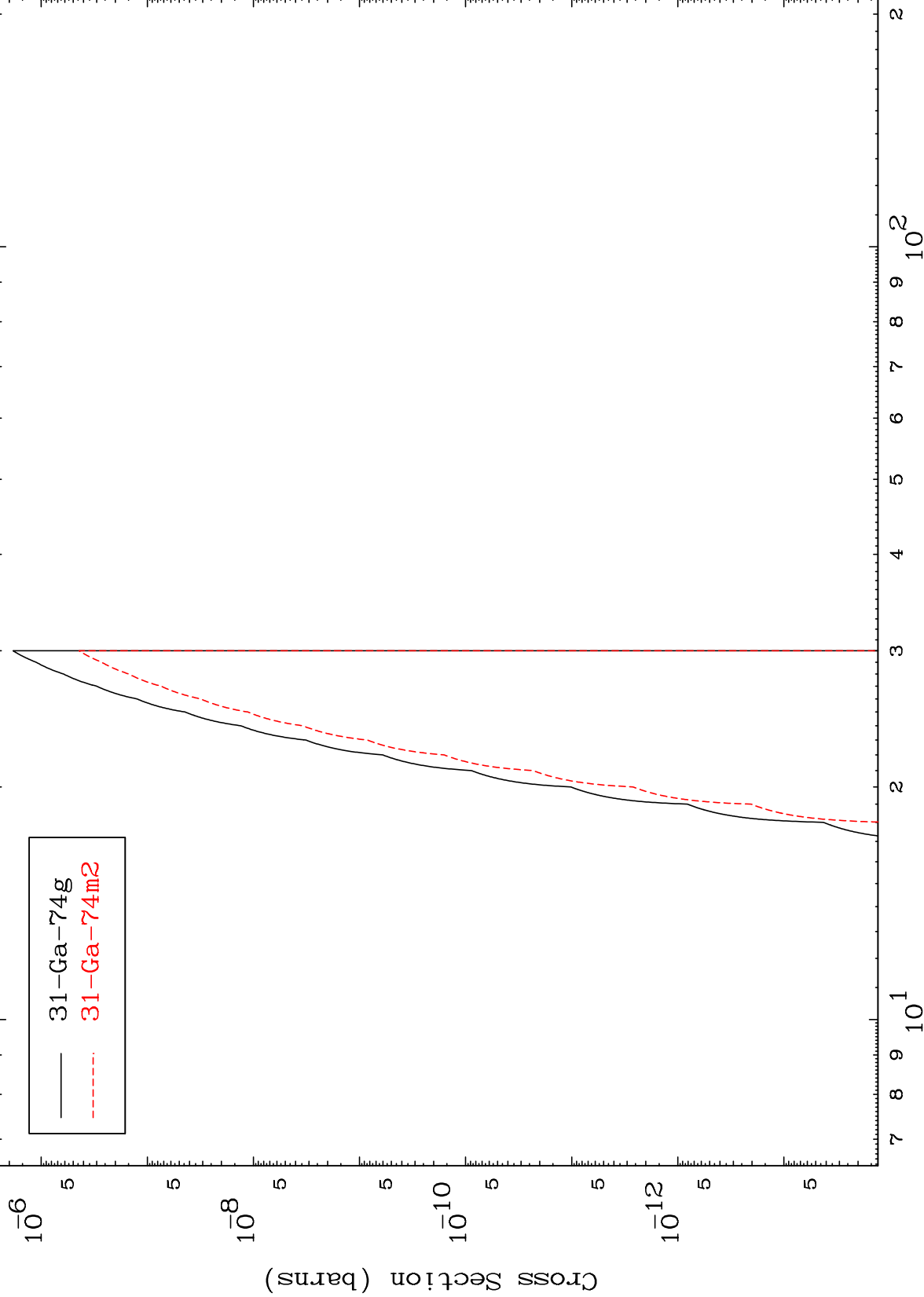
35-Br-81

131

MAT 3531

35-Br-81

(n,2 α)
Radionuclide Production Cross Section



31-Ga-74g
31-Ga-74m2

132

Incident Energy (MeV)

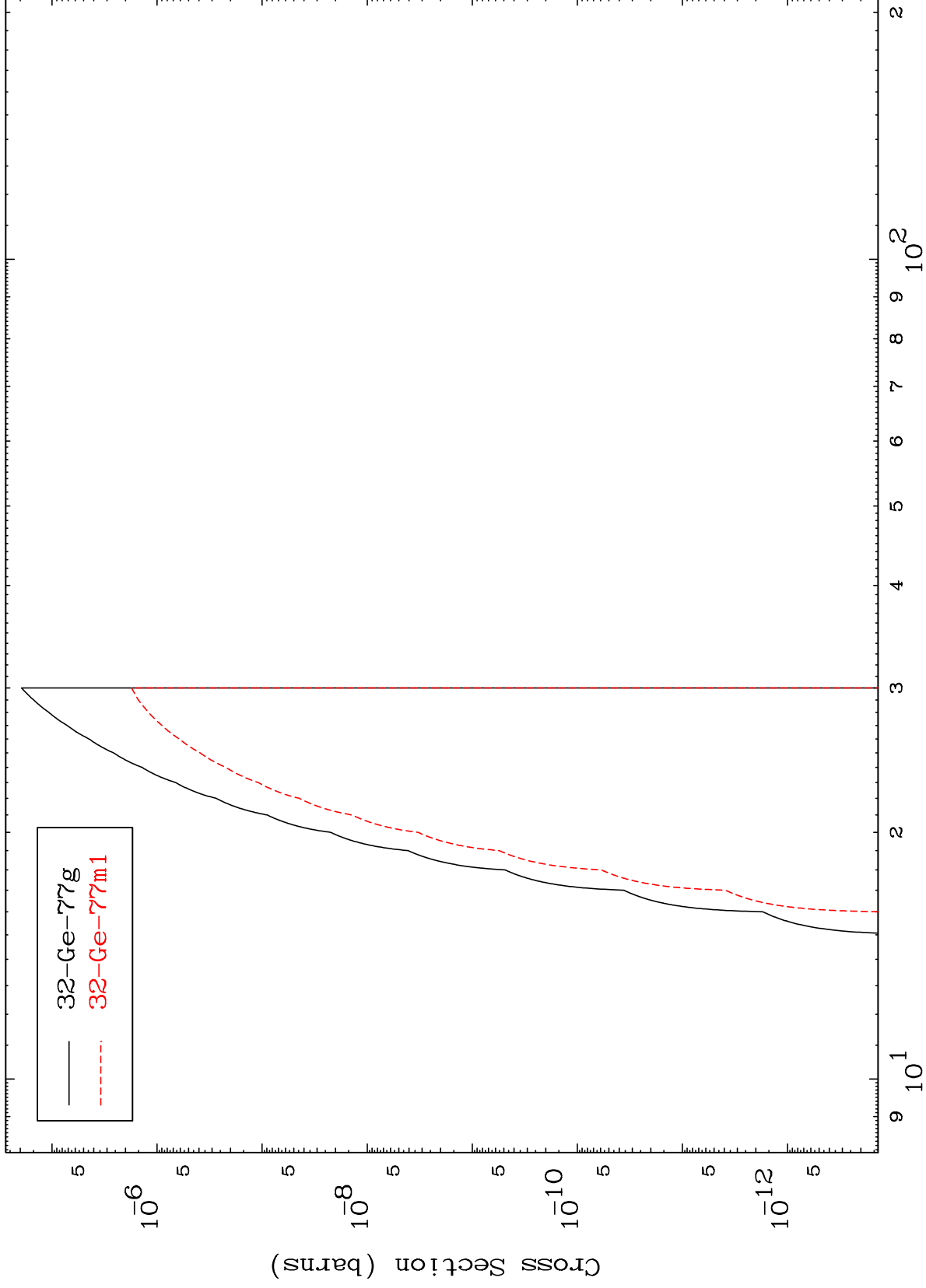
35-Br-81

MAT 3531

(n,p) α

³⁵Br-81

Radionuclide Production Cross Section



133

Incident Energy (MeV)

³⁵Br-81