

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

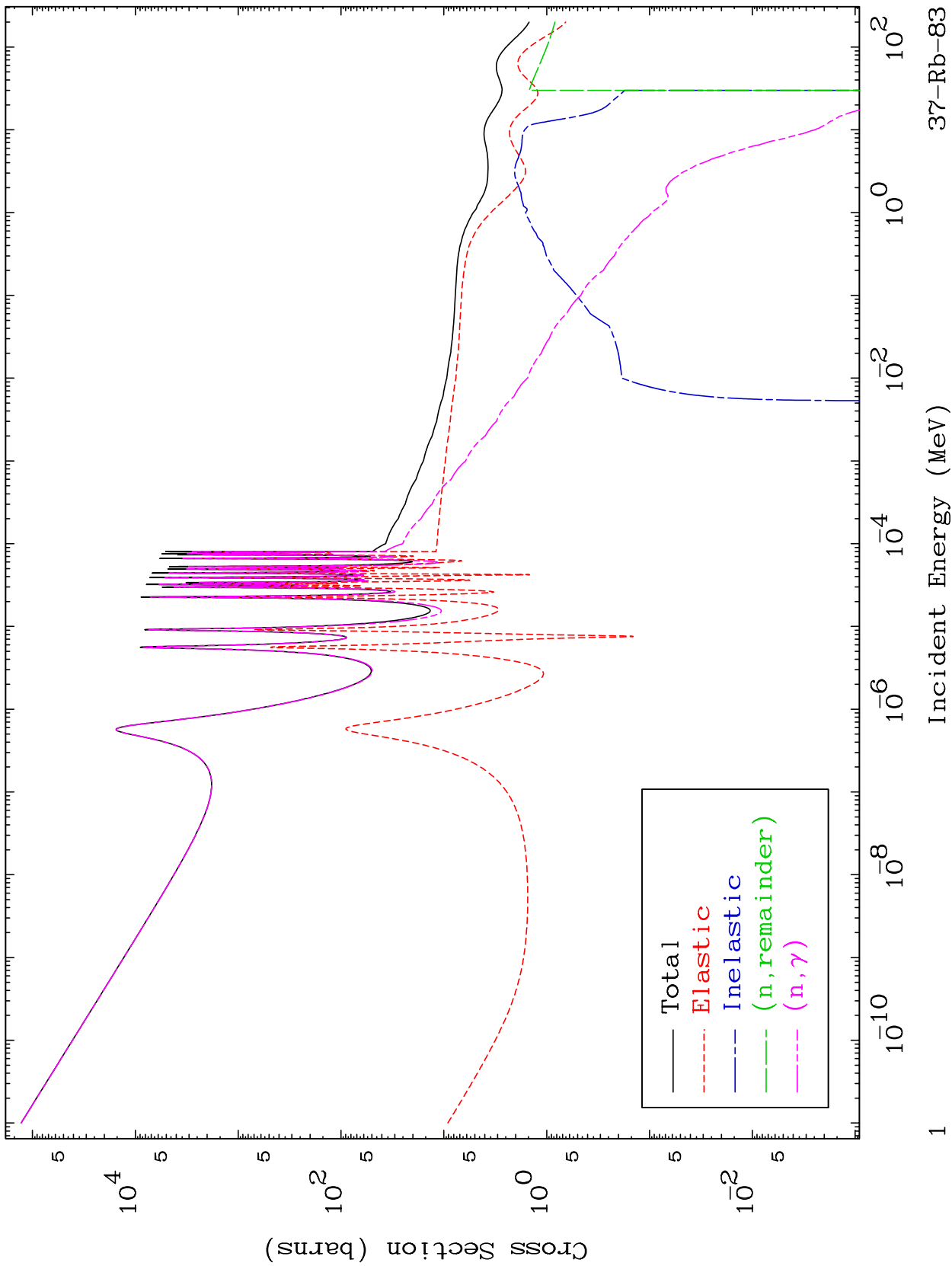
Press Mouse Button to Start

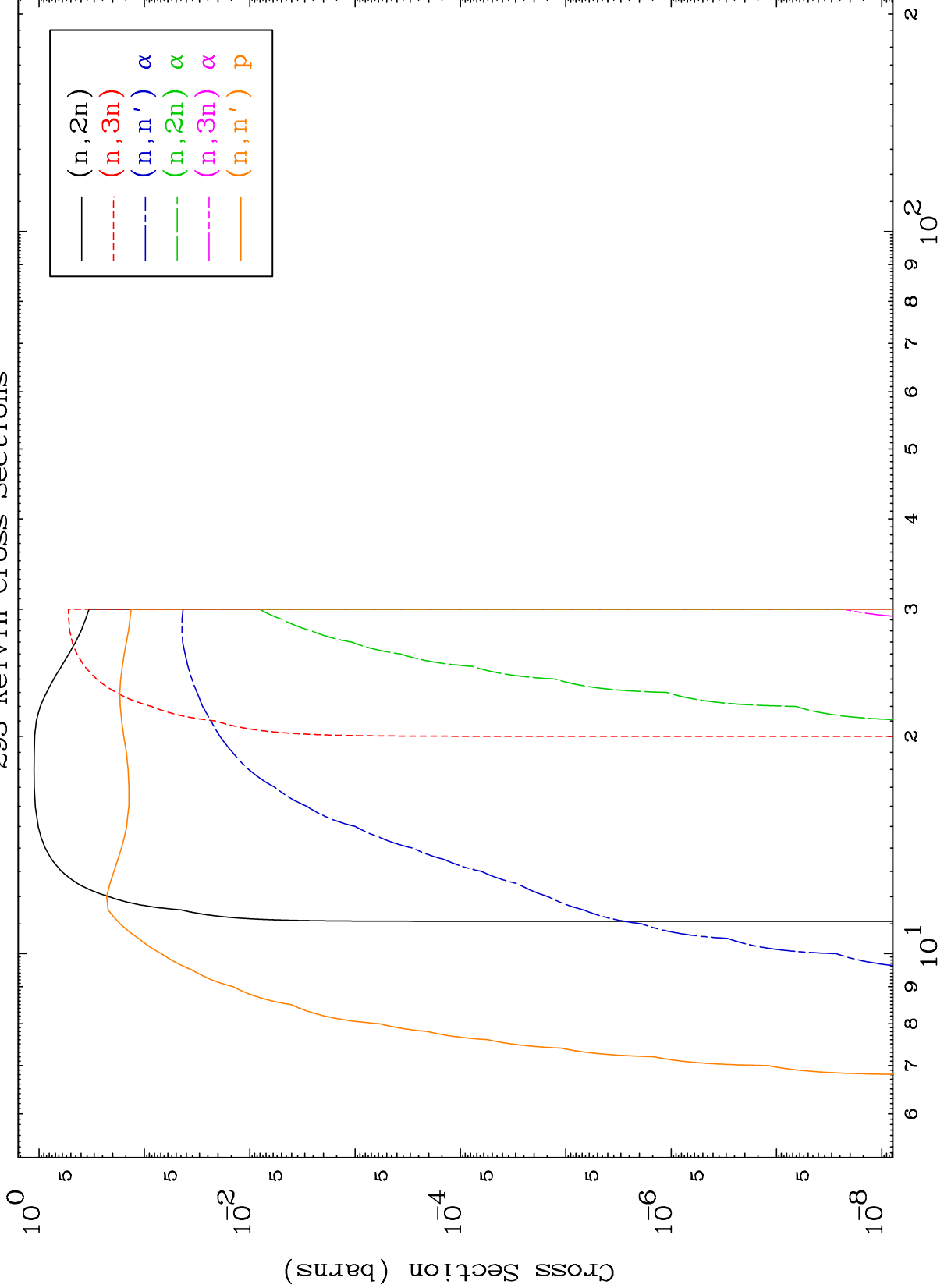
MAT 3719

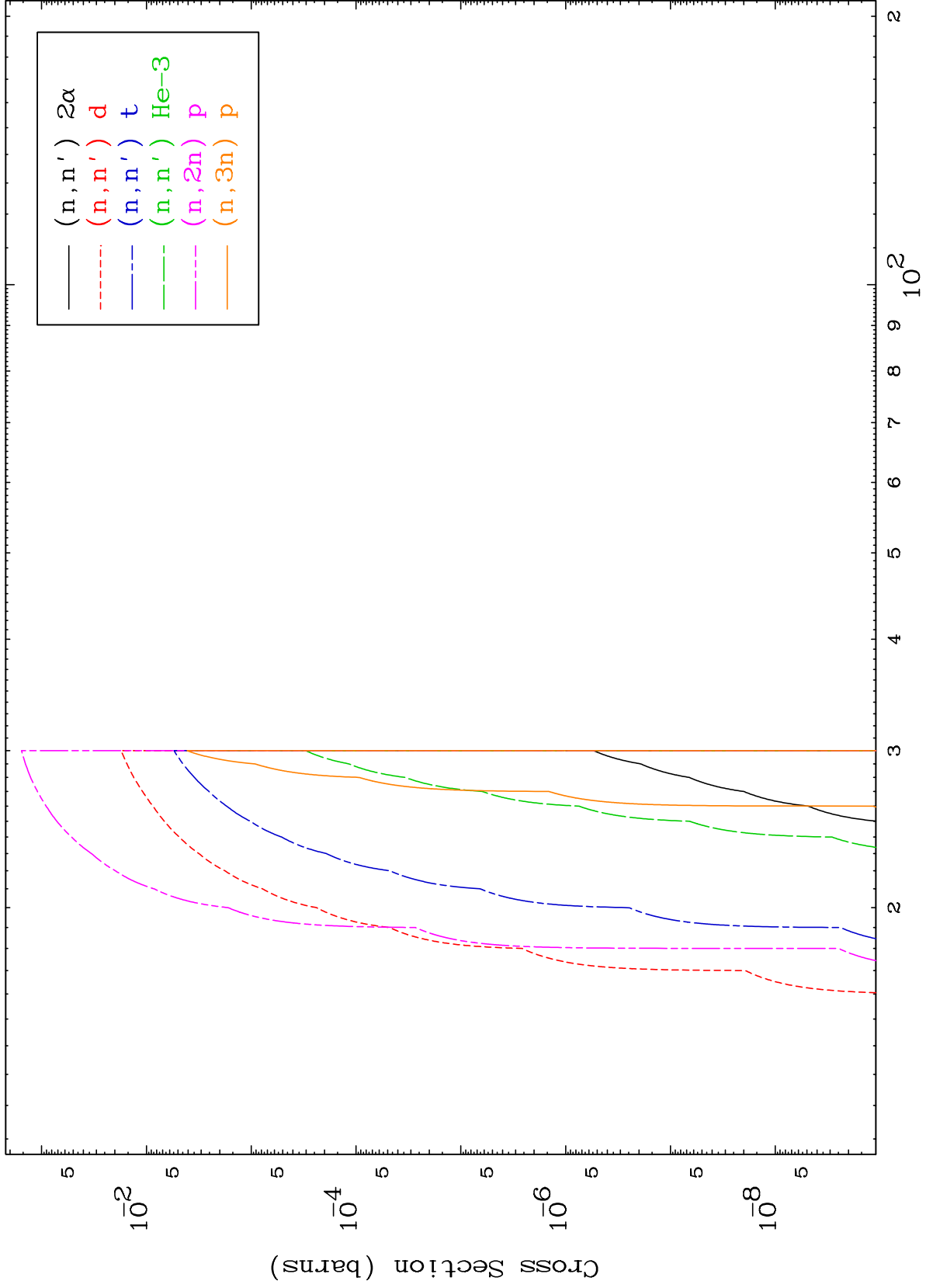
Major

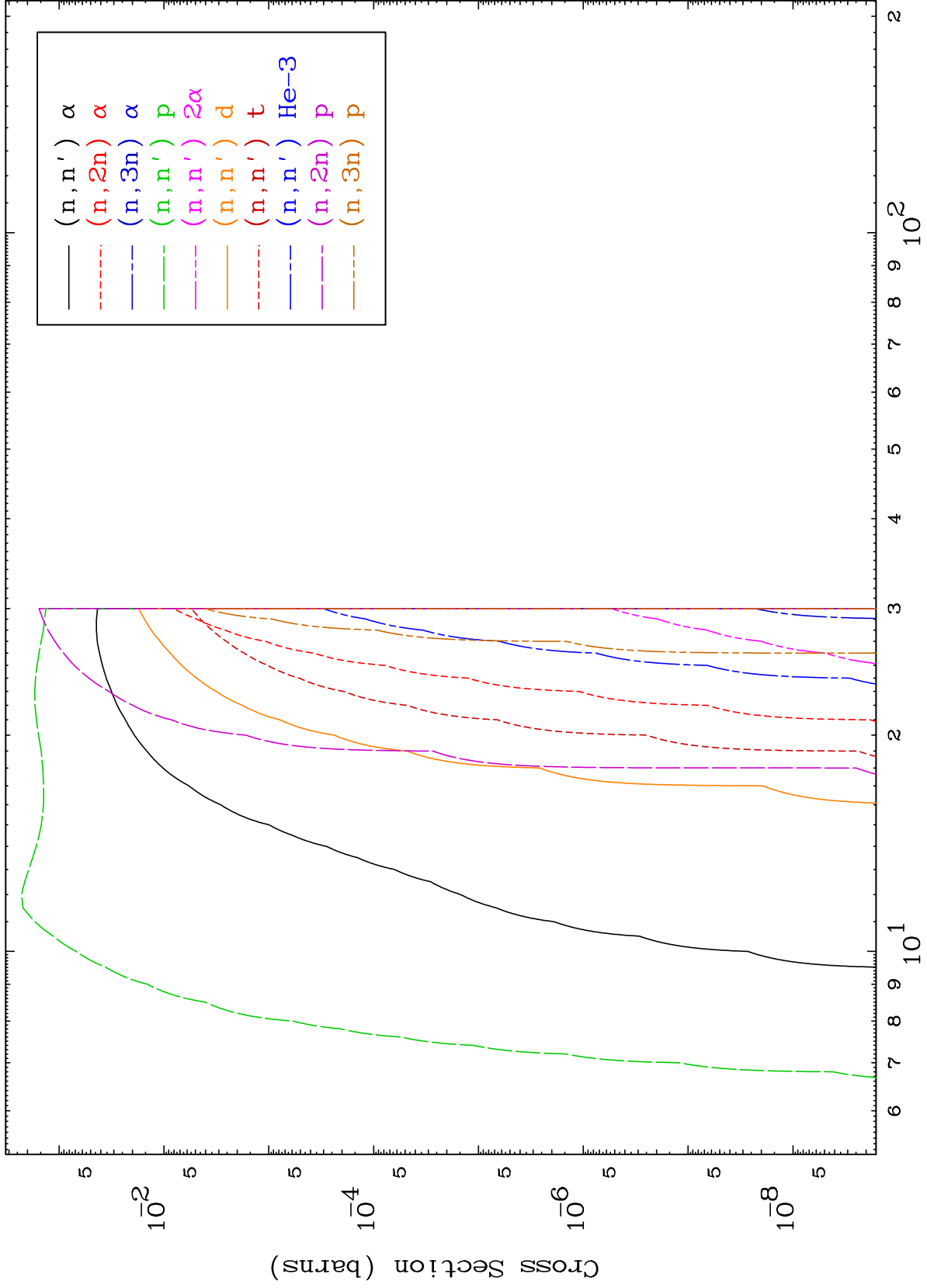
293 Kelvin Cross Sections

37-Rb-83





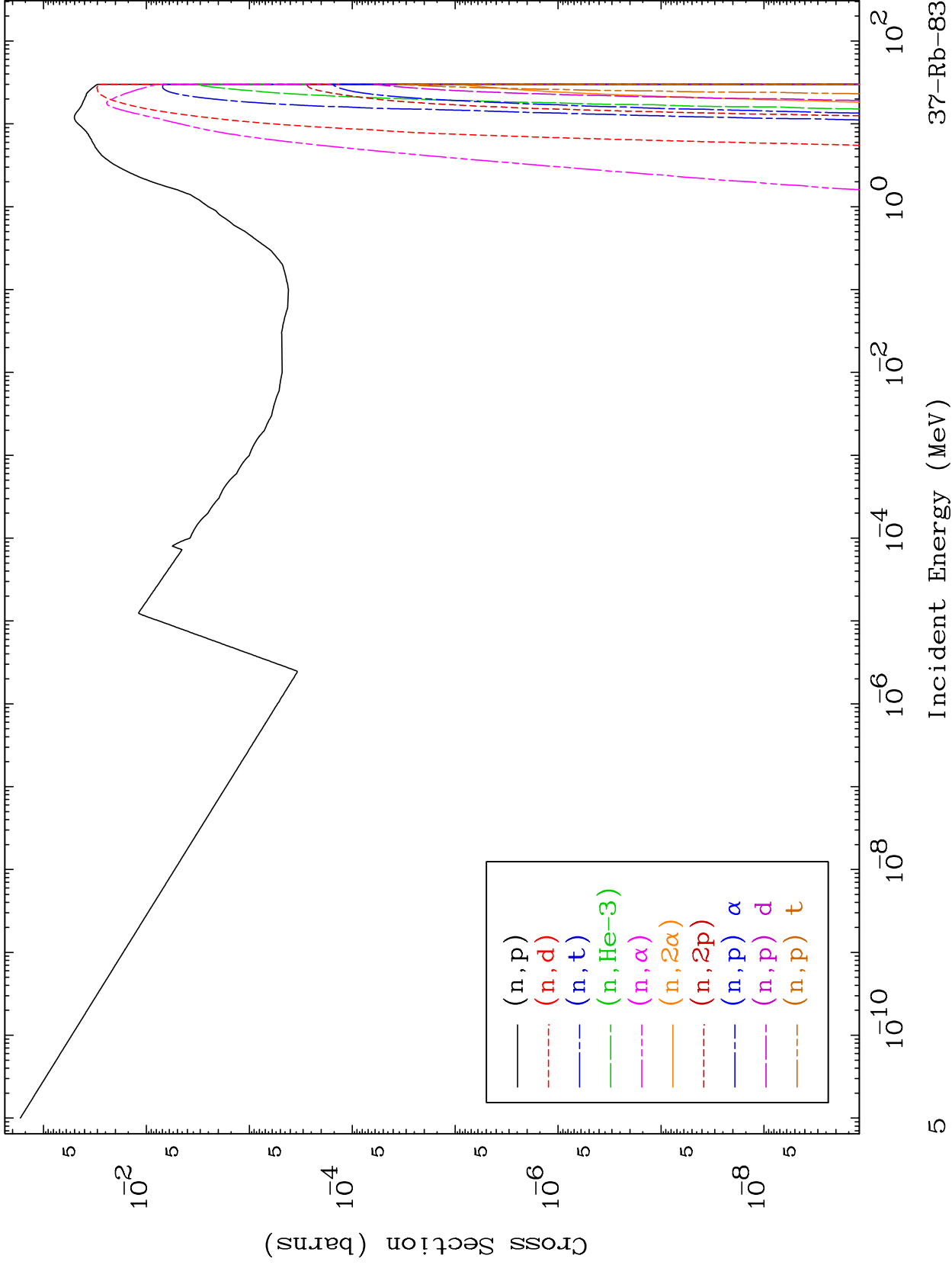




MAT 3719

Charged Particle  
293 Kelvin Cross Sections

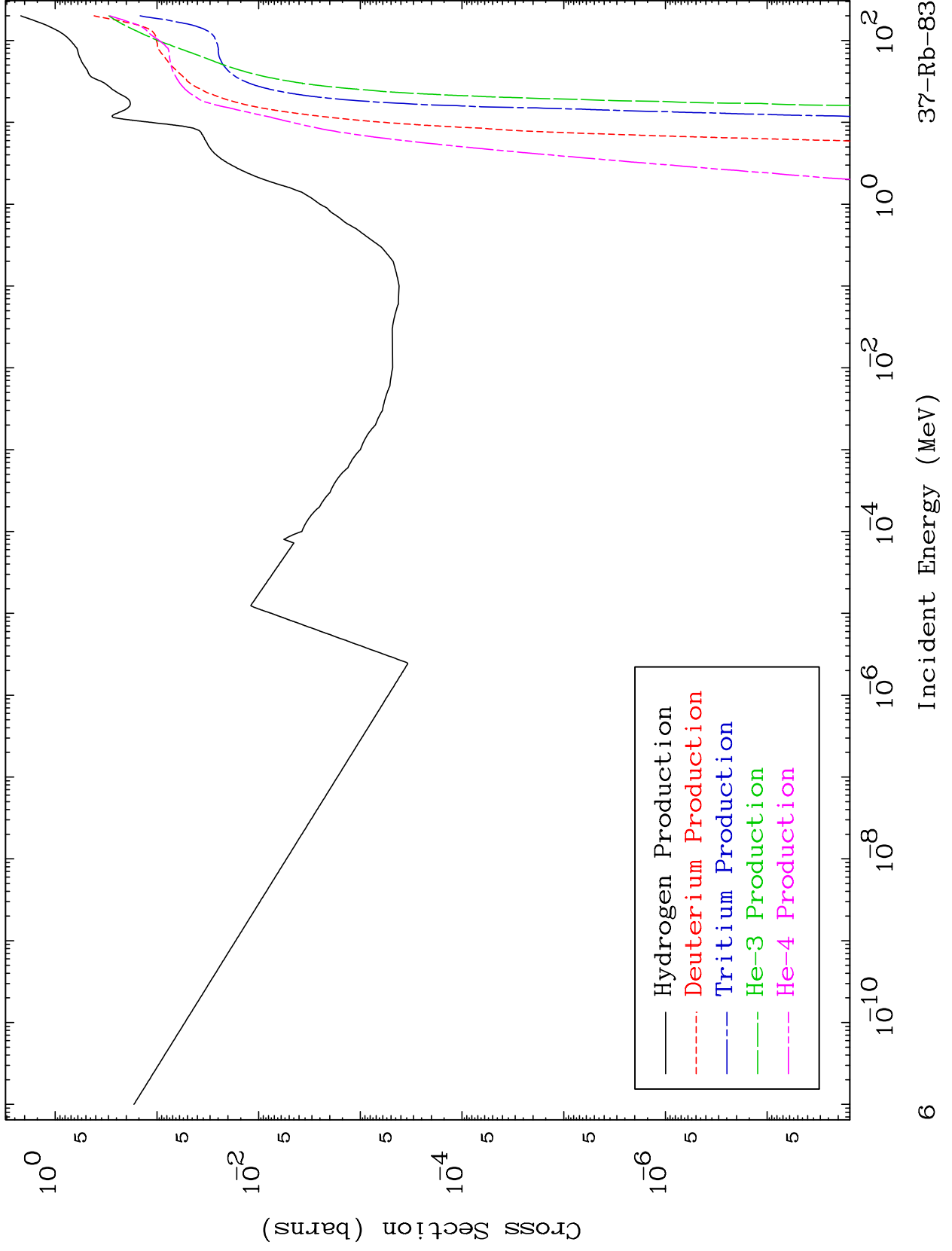
37-Rb-83



MAT 3719

Particle Production  
293 Kelvin Cross Sections

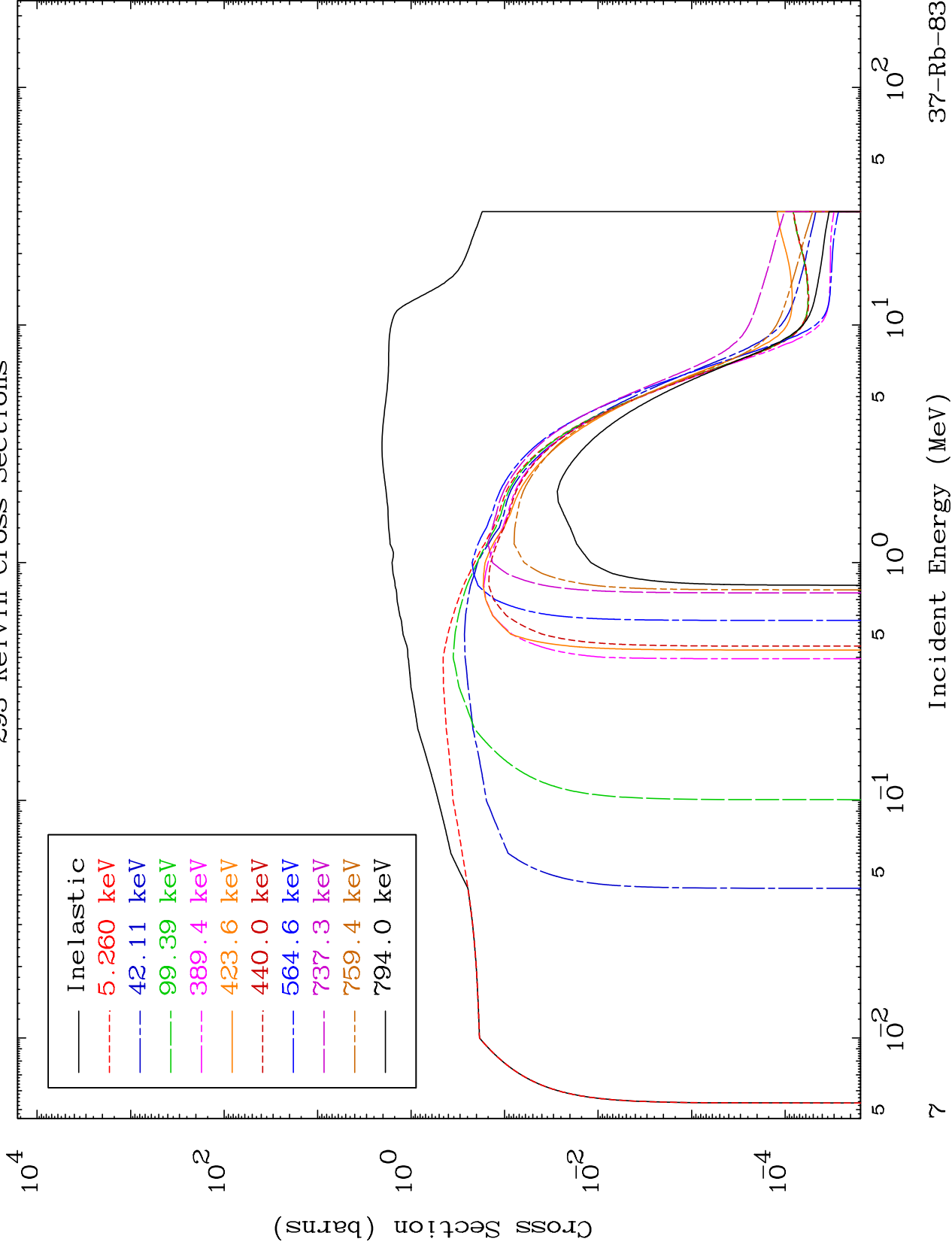
37-Rb-83



MAT 3719

(n,n') Level  
293 Kelvin Cross Sections

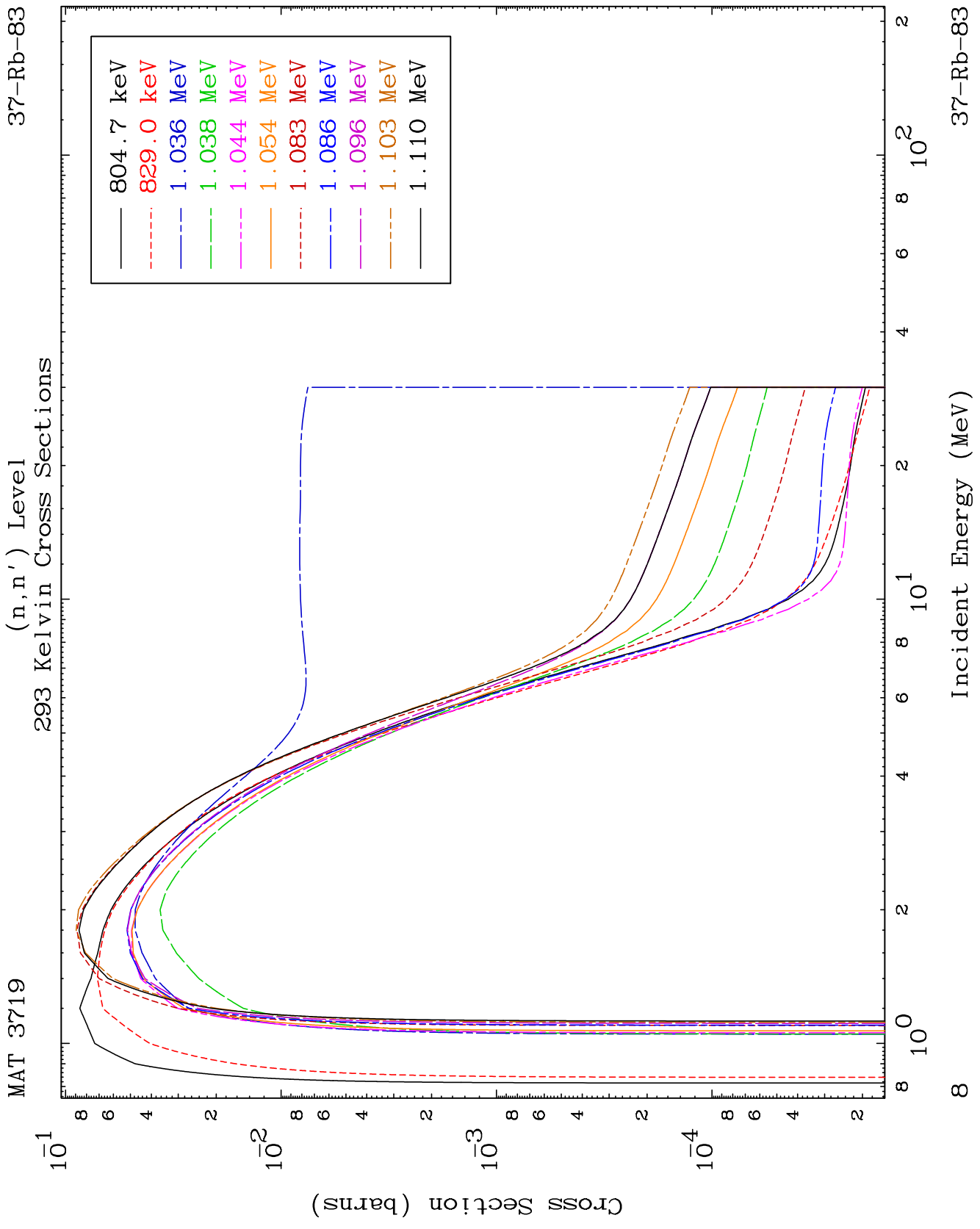
37-Rb-83



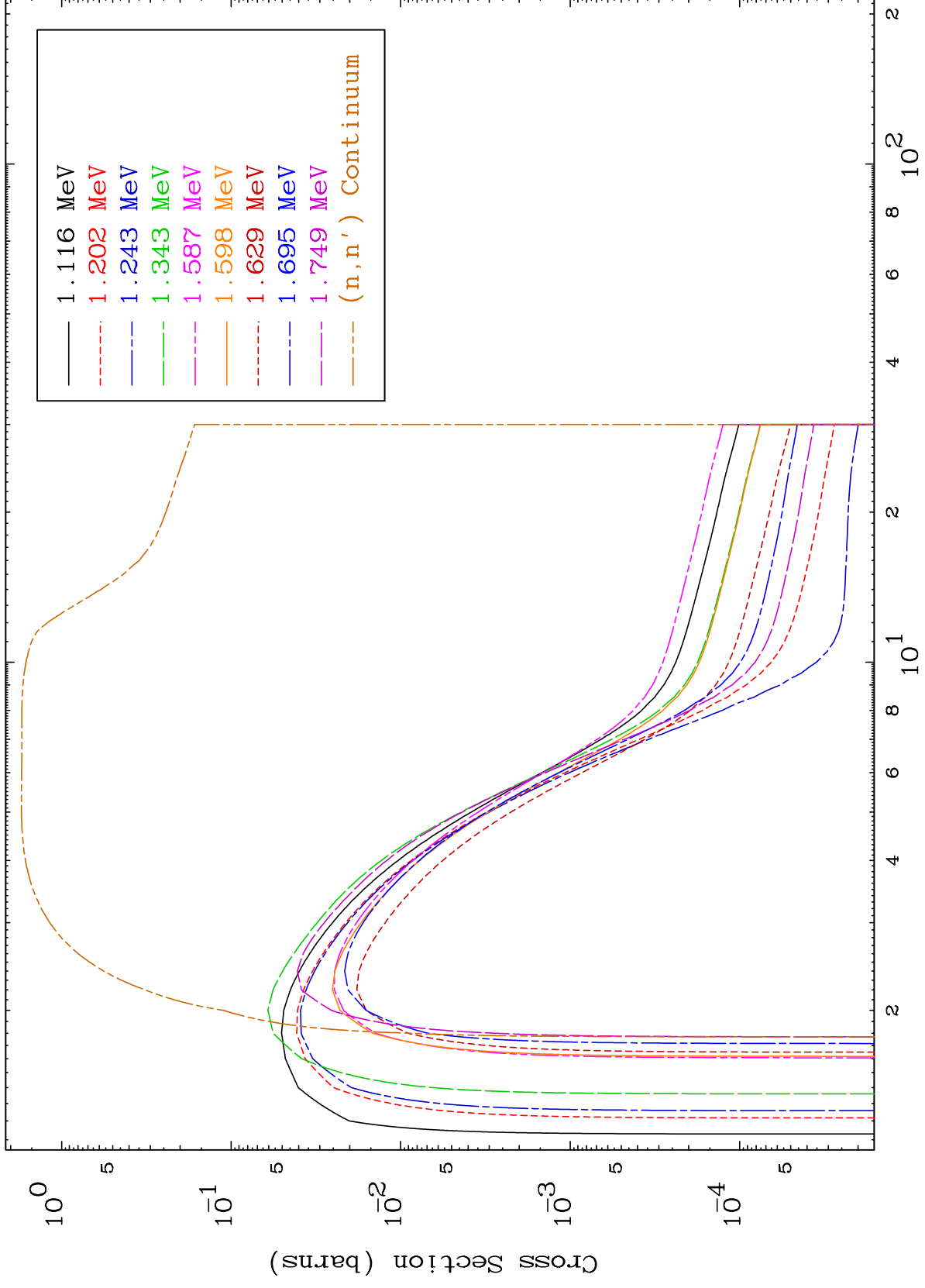
7

37-Rb-83





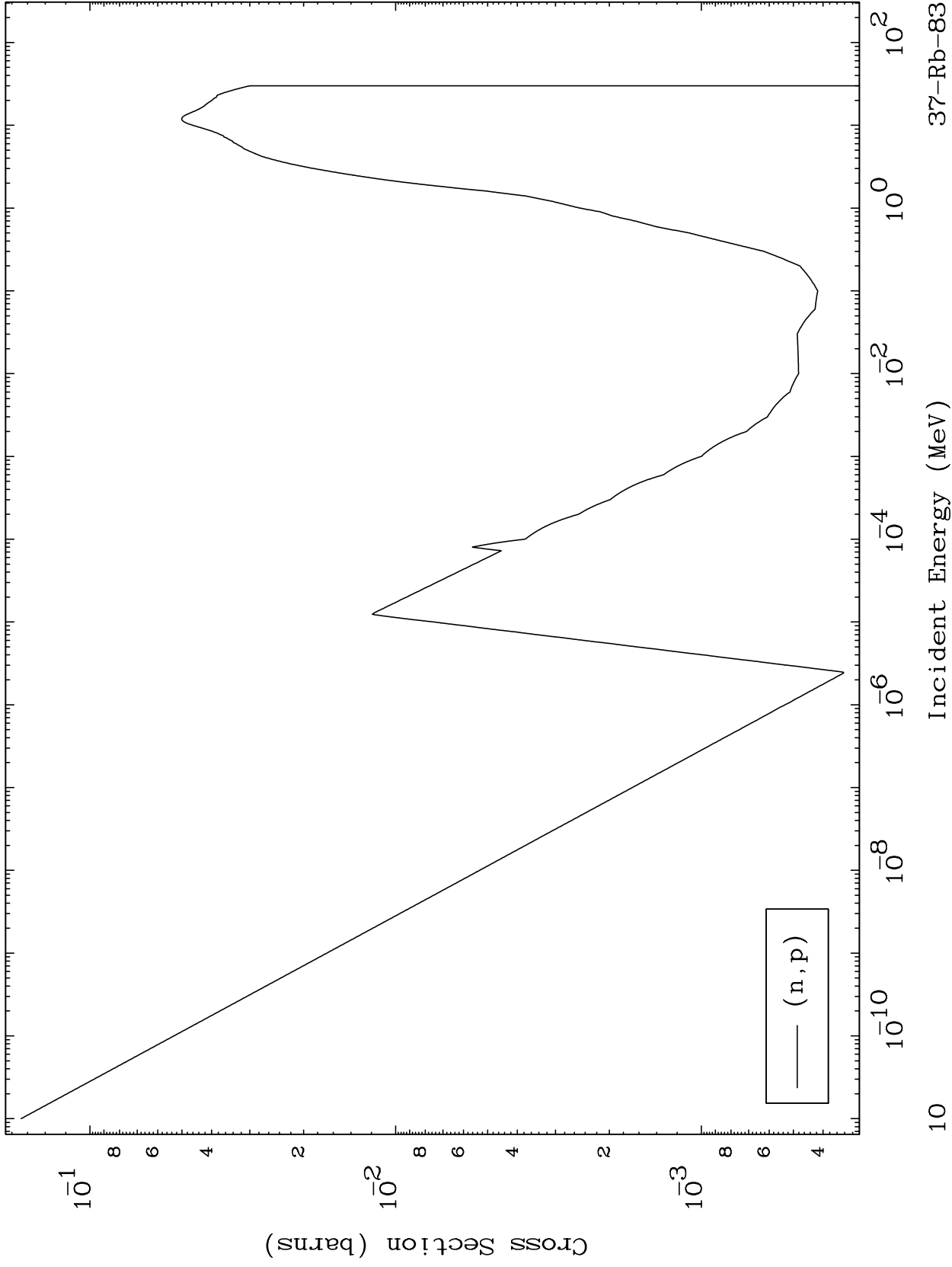
293 Kelvin Cross Sections



MAT 3719

(n,p) Levels  
293 Kelvin Cross Sections

37-Rb-83



10

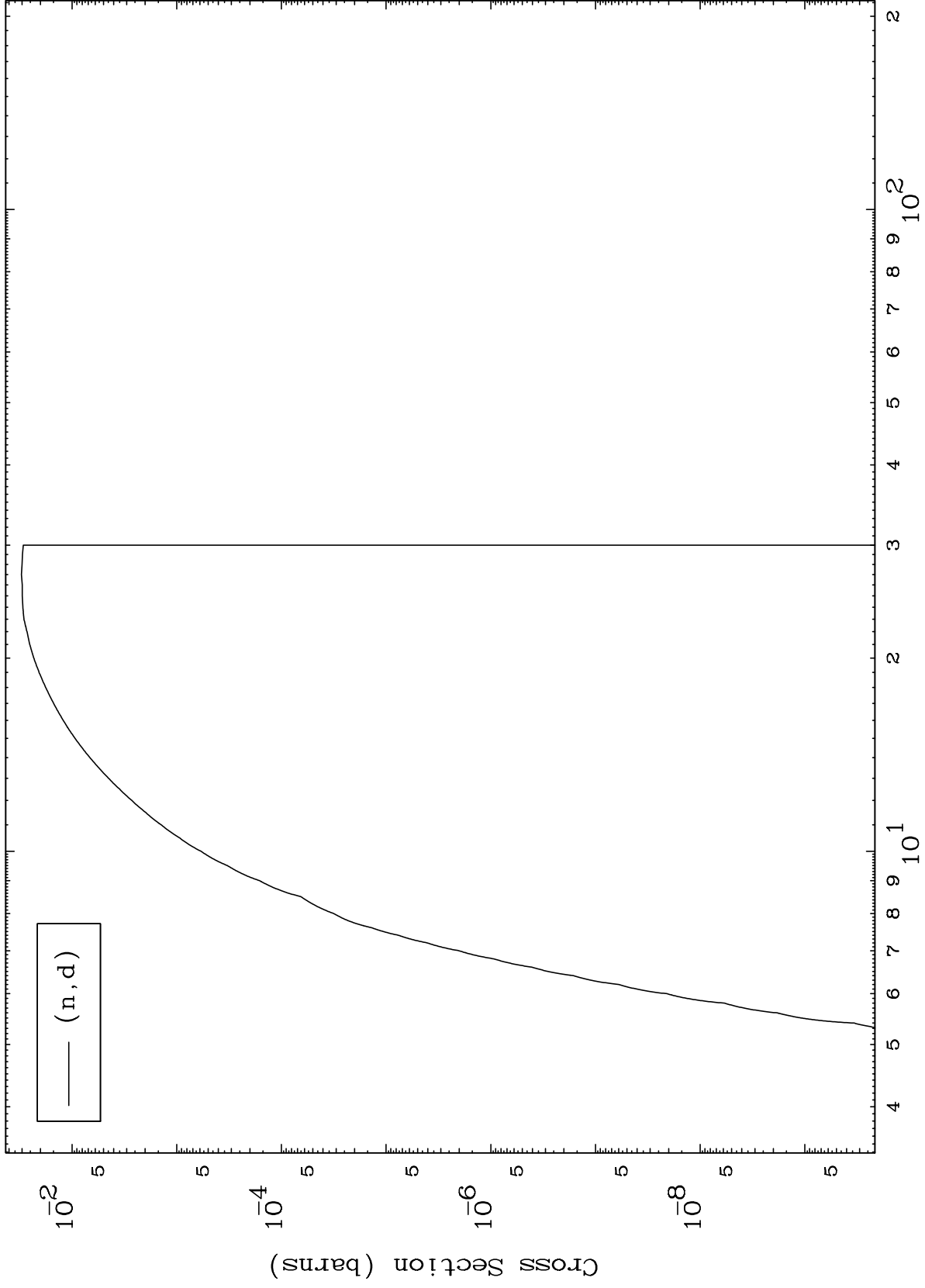
Incident Energy (MeV)

37-Rb-83

MAT 3719

(n,d) Levels  
293 Kelvin Cross Sections

37-Rb-83



11

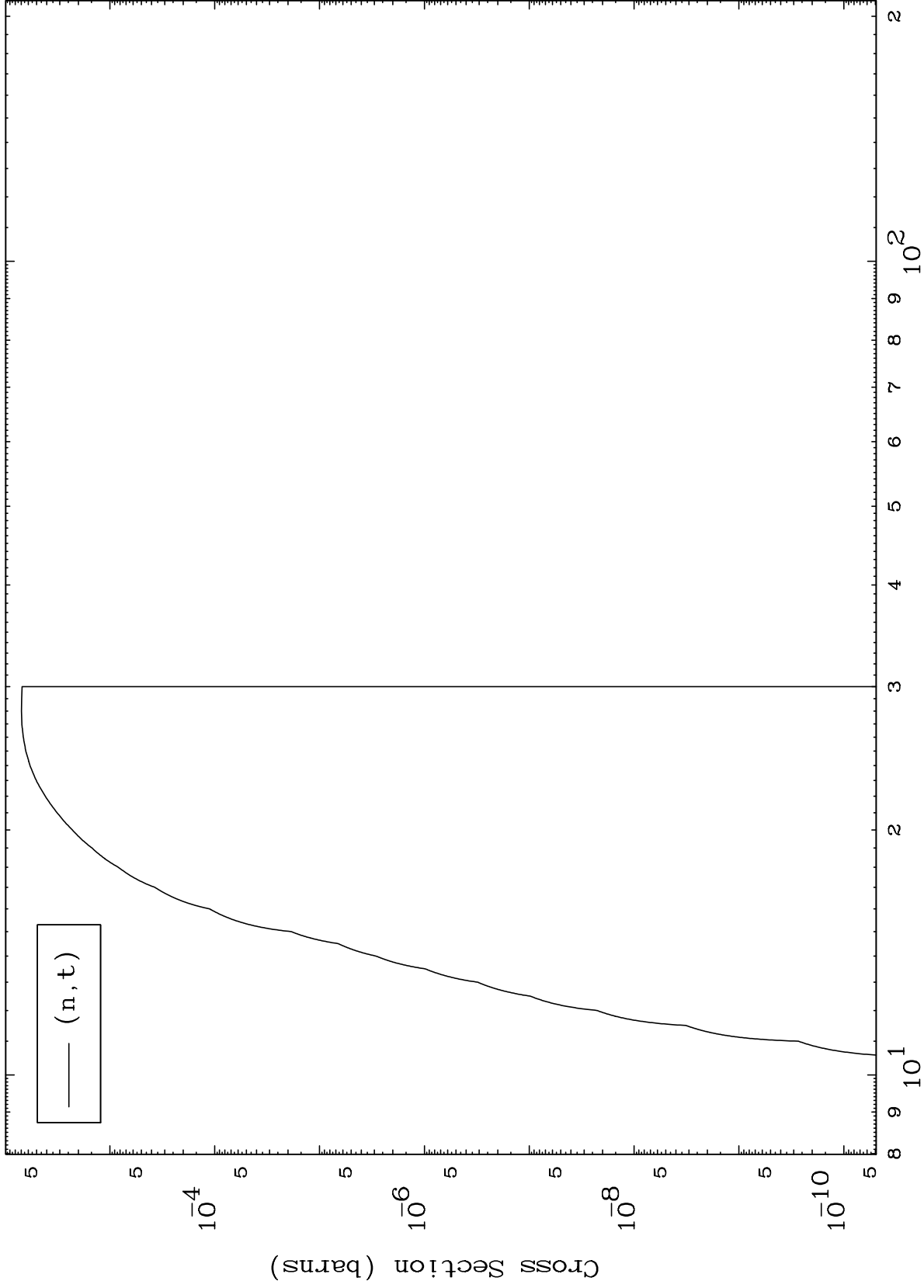
Incident Energy (MeV)

37-Rb-83

MAT 3719

(n,t) Levels  
293 Kelvin Cross Sections

37-Rb-83



12

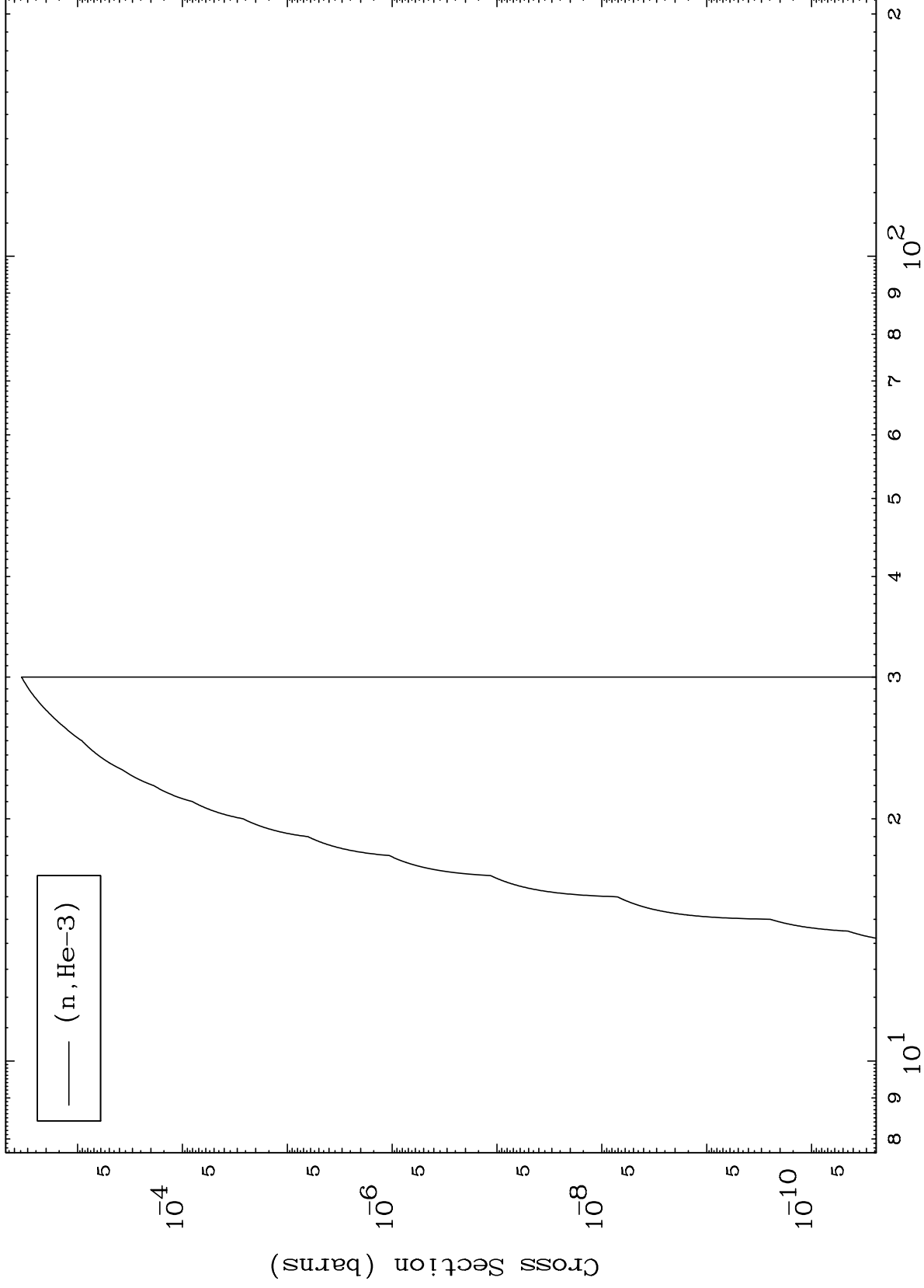
Incident Energy (MeV)

37-Rb-83

MAT 3719

(n,He3) Levels  
293 Kelvin Cross Sections

37-Rb-83



13

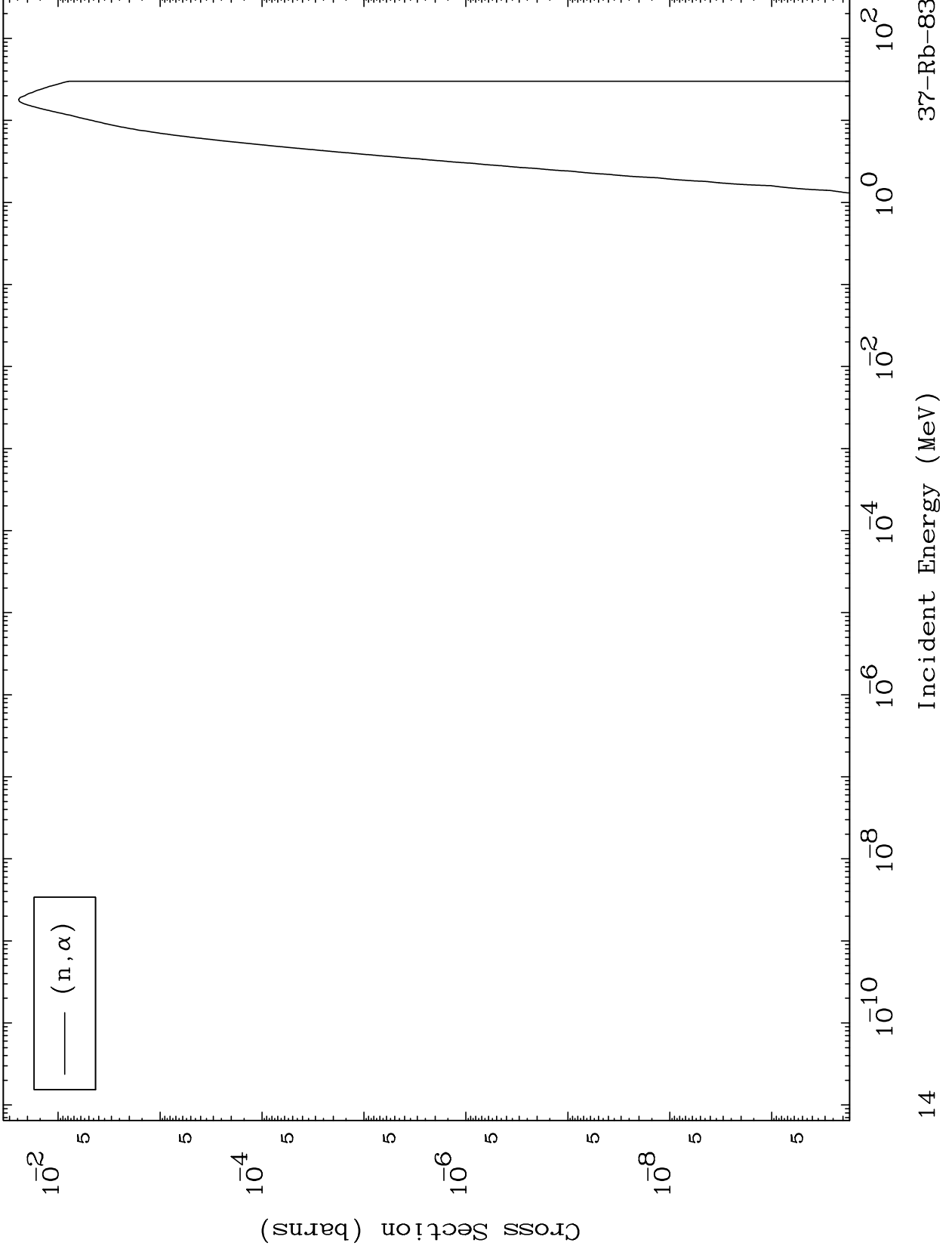
Incident Energy (MeV)

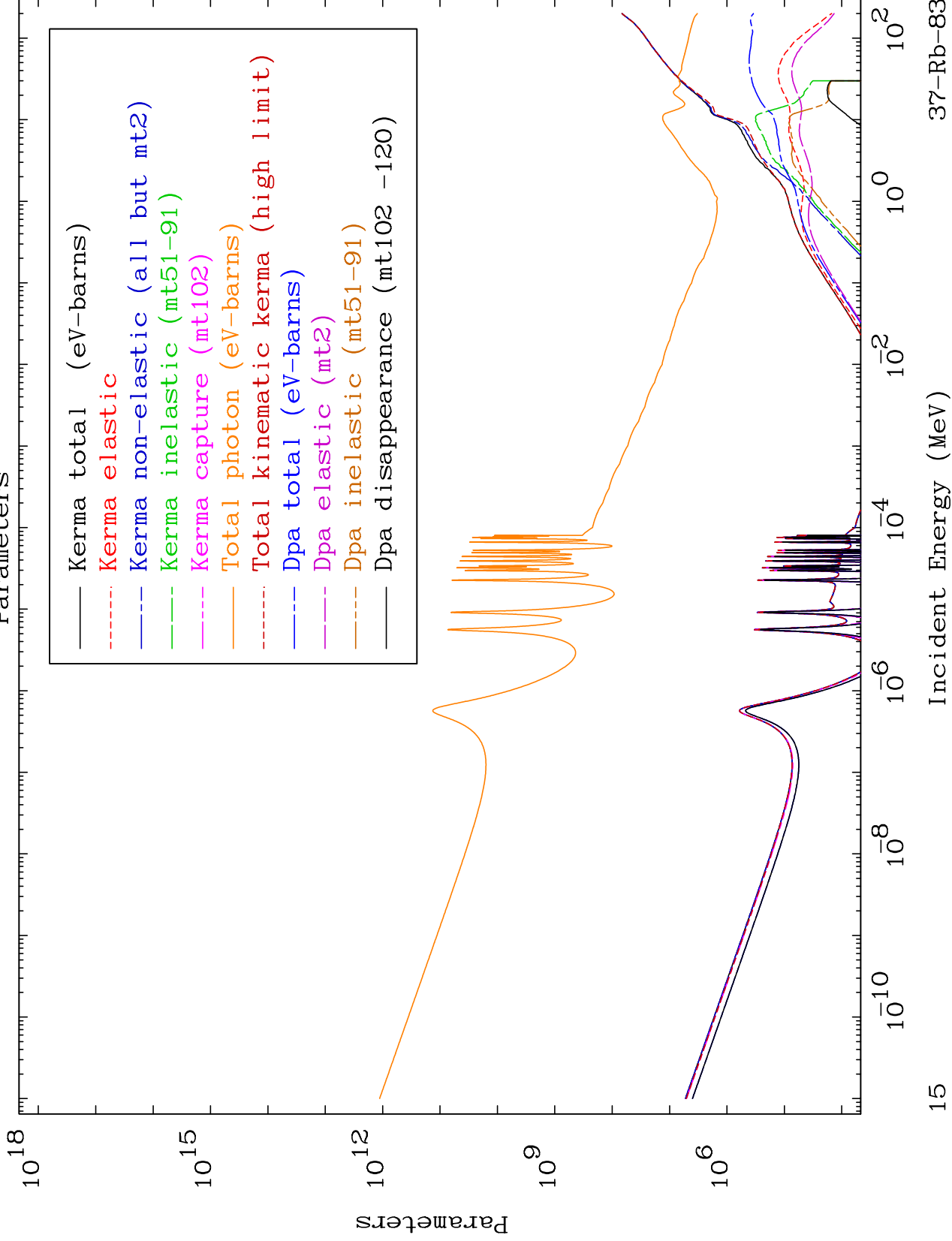
37-Rb-83

MAT 3719

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

37-Rb-83



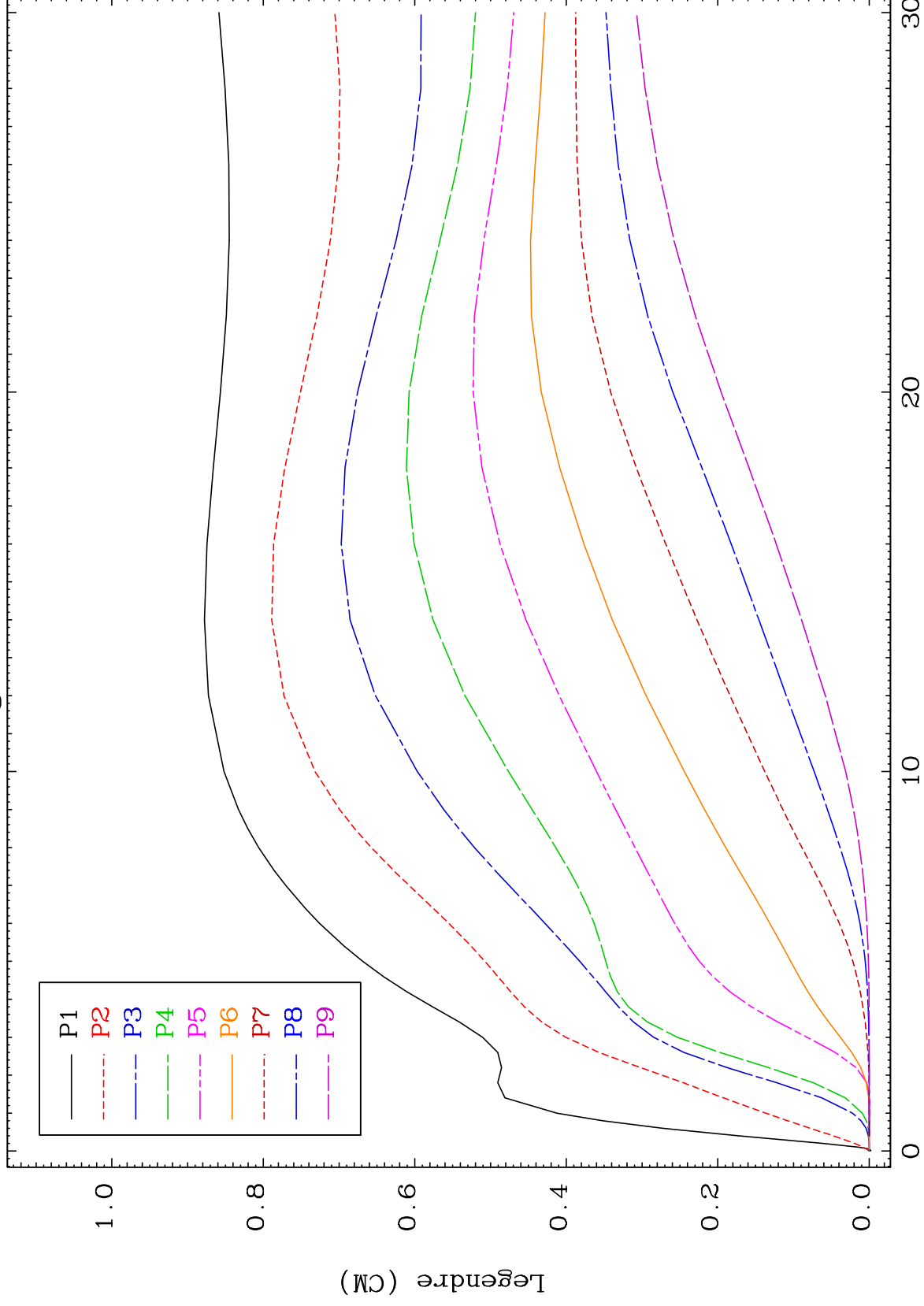




MAT 3719

Elastic Legendre Coefficients

37-Rb-83



16

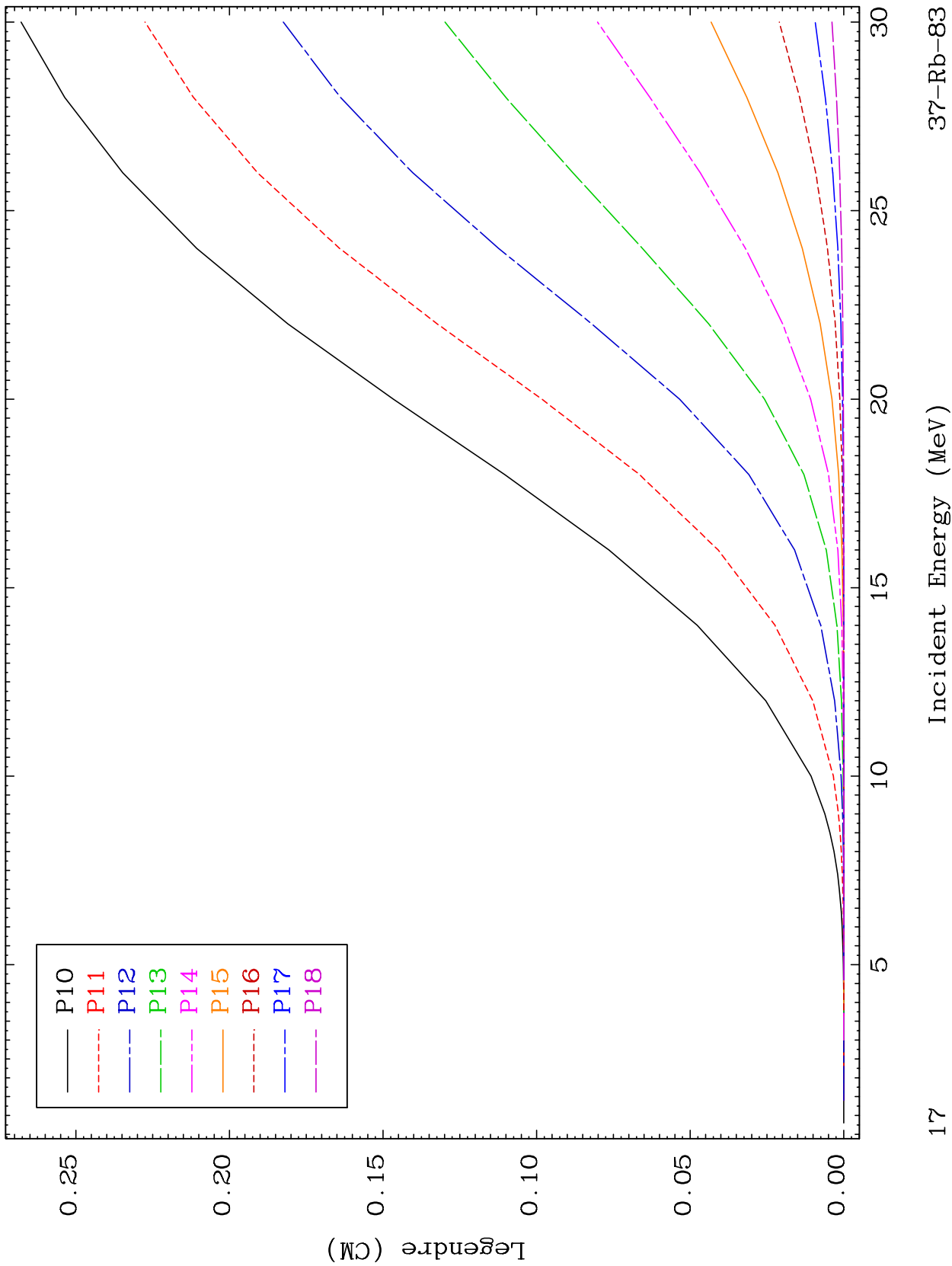
Incident Energy (MeV)

37-Rb-83

MAT 3719

### Elastic Legendre Coefficients

37-Rb-83



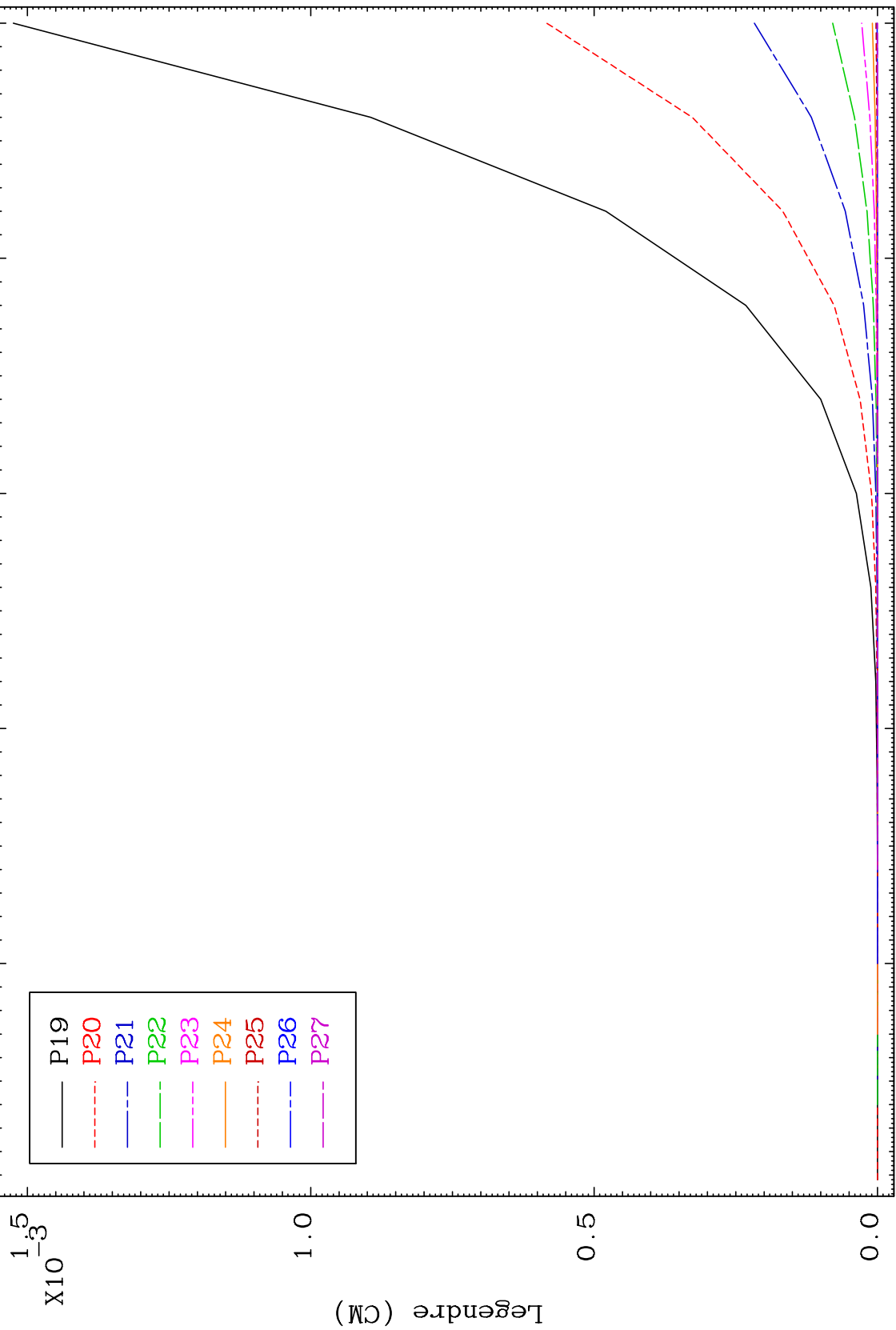
17

37-Rb-83

MAT 3719

Elastic  
Legendre Coefficients

37-Rb-83



18

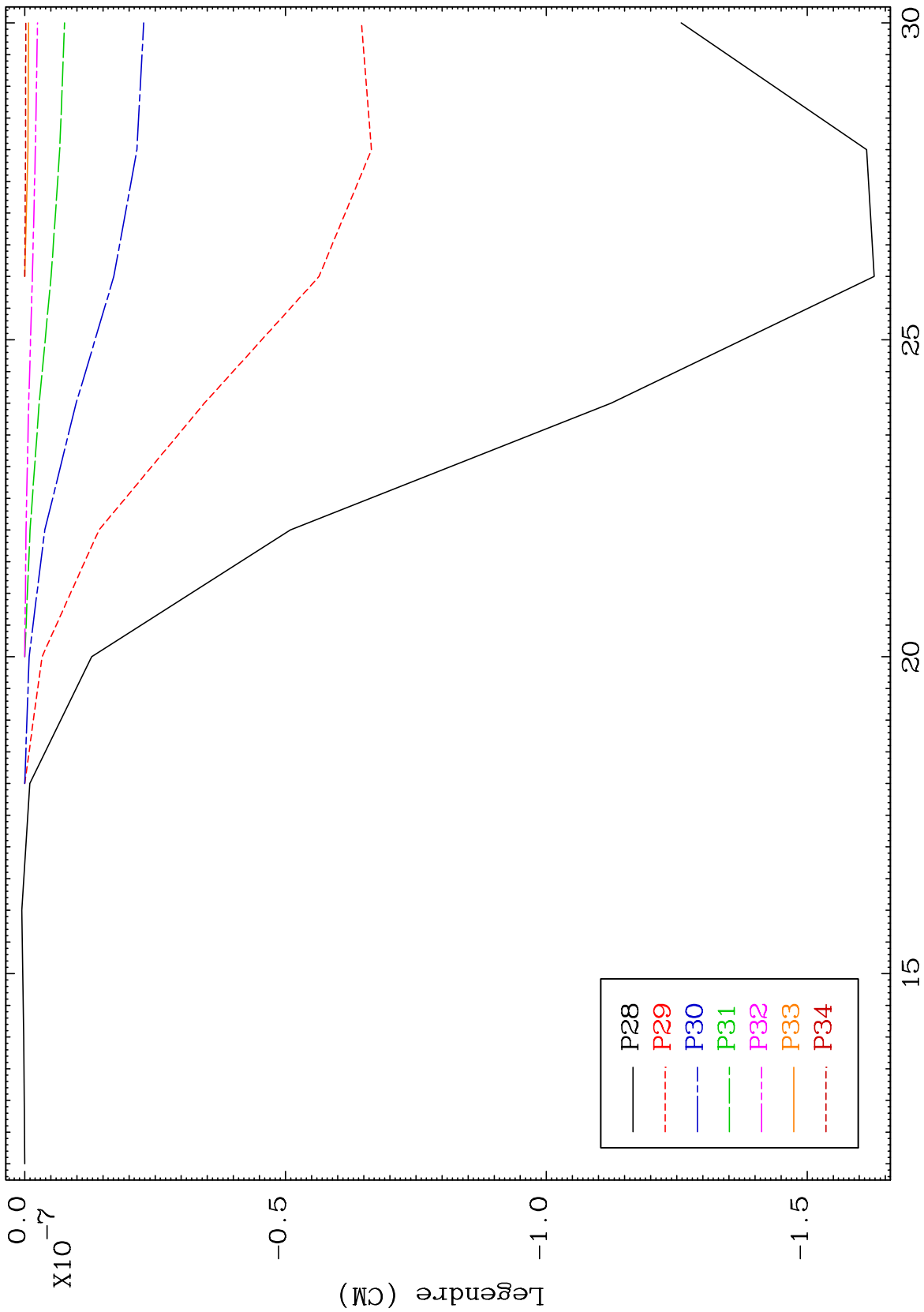
Incident Energy (MeV)

37-Rb-83

MAT 3719

37-Rb-83

Elastic Legendre Coefficients



19

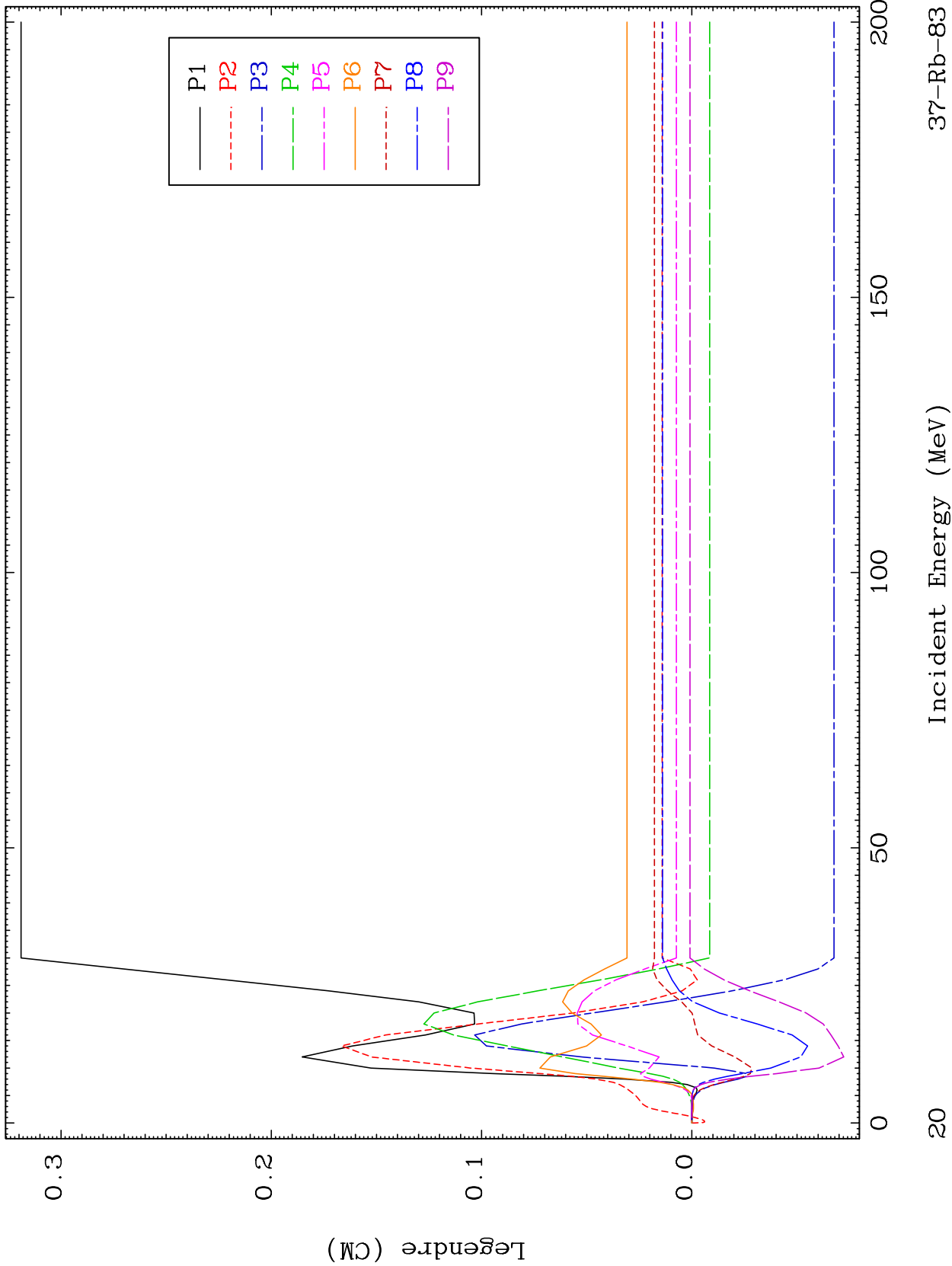
Incident Energy (MeV)

37-Rb-83

MAT 3719

5.260 keV (n,n') Level  
Legendre Coefficients

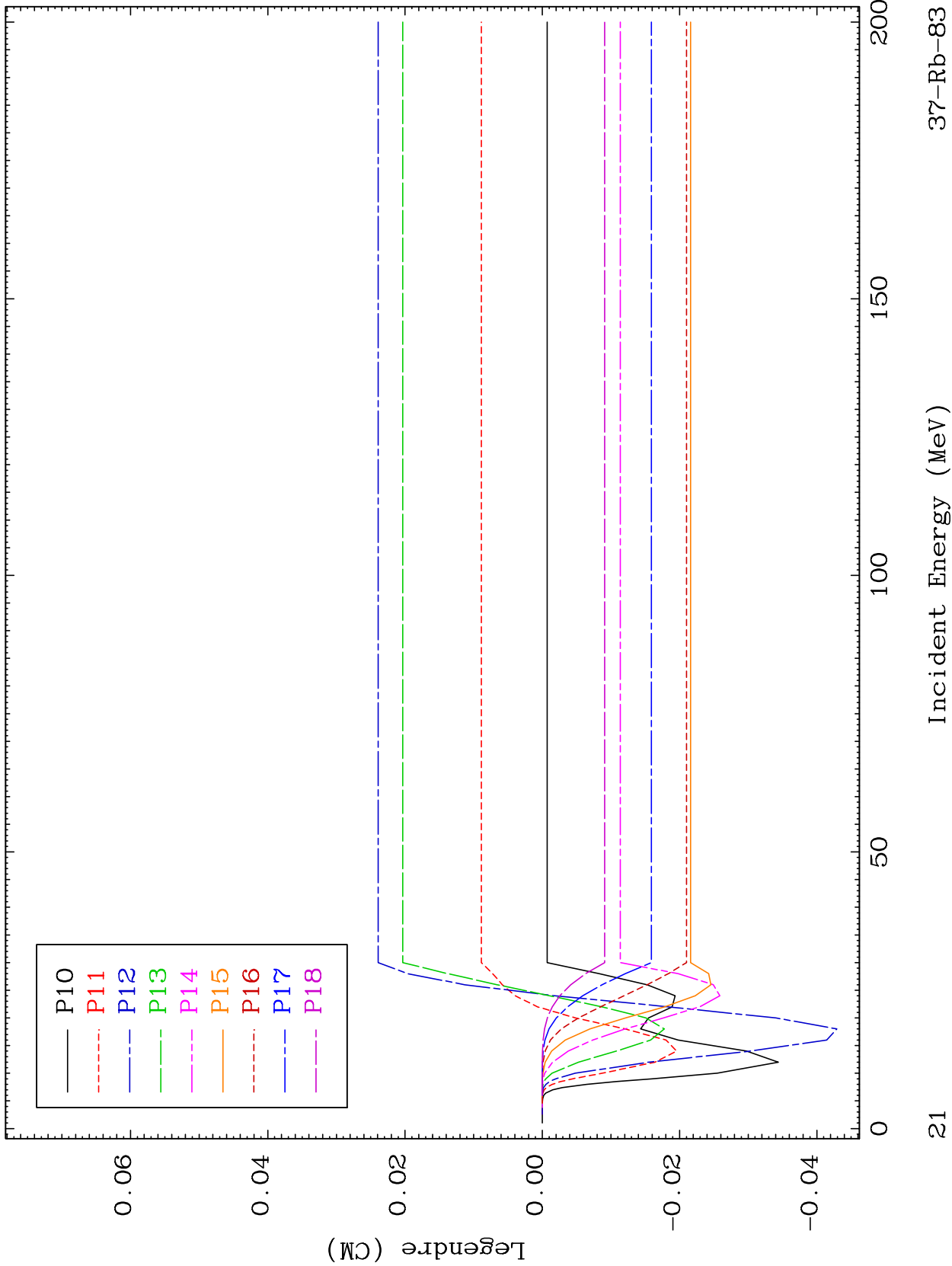
37-Rb-83

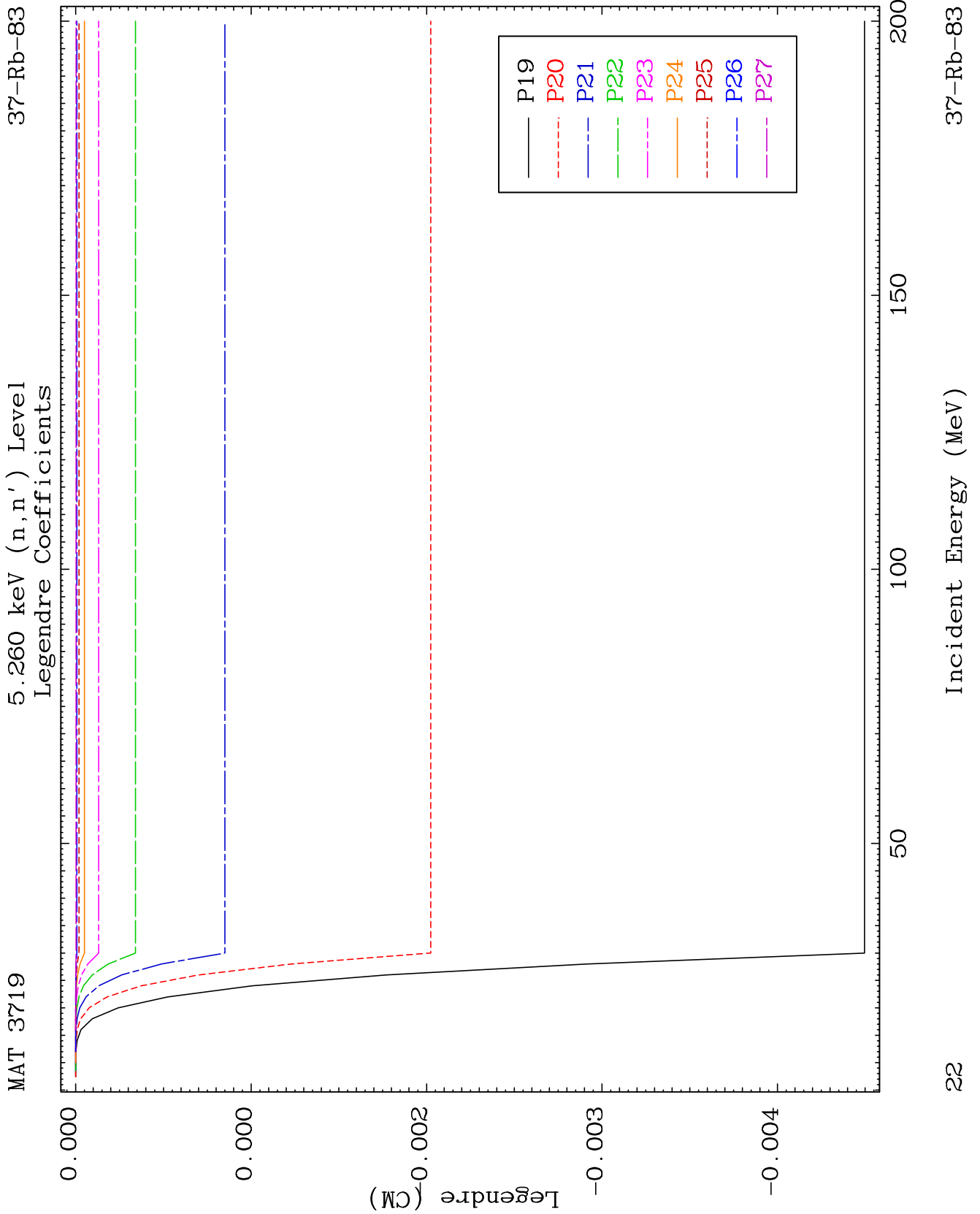


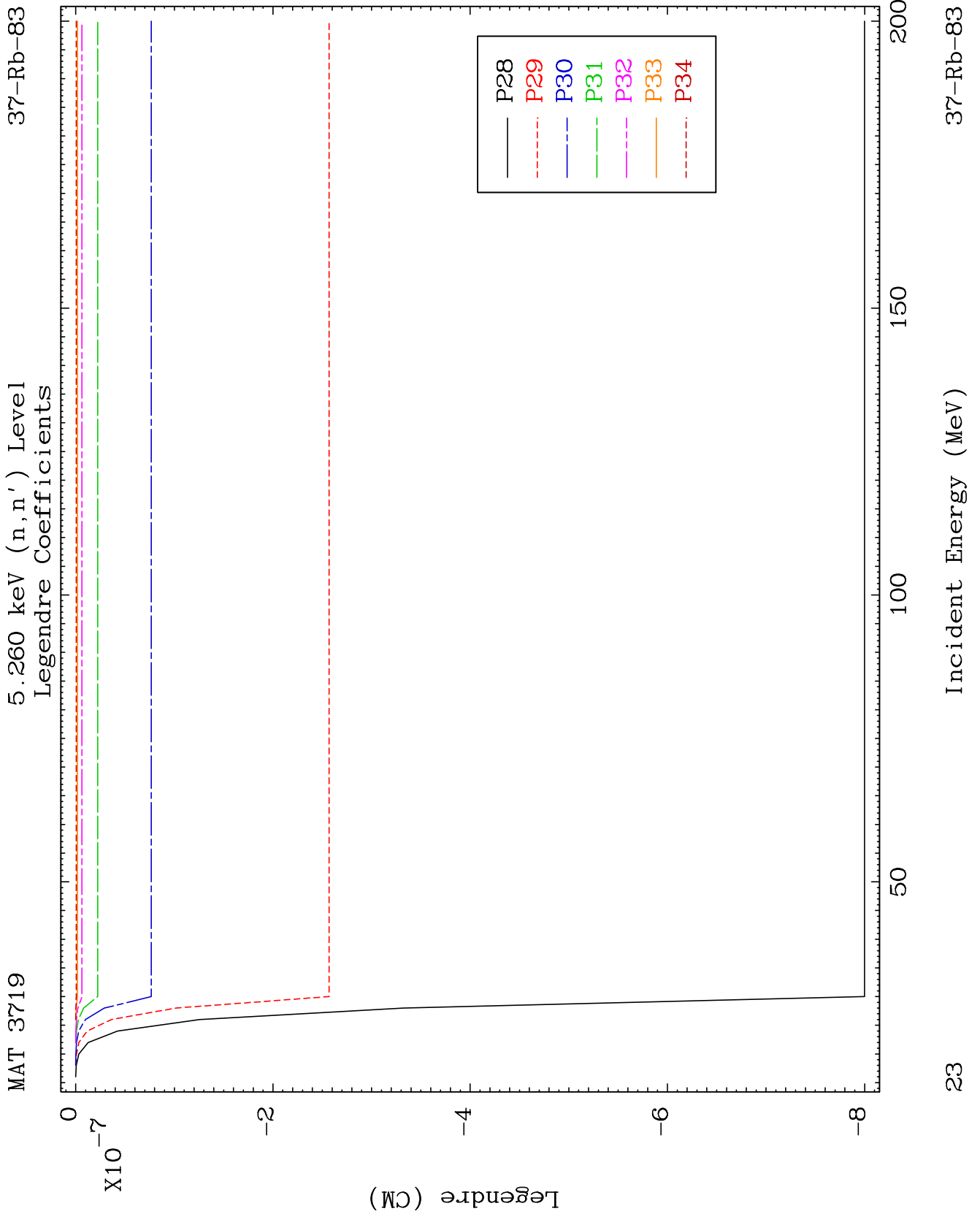
37-Rb-83

Incident Energy (MeV)

0





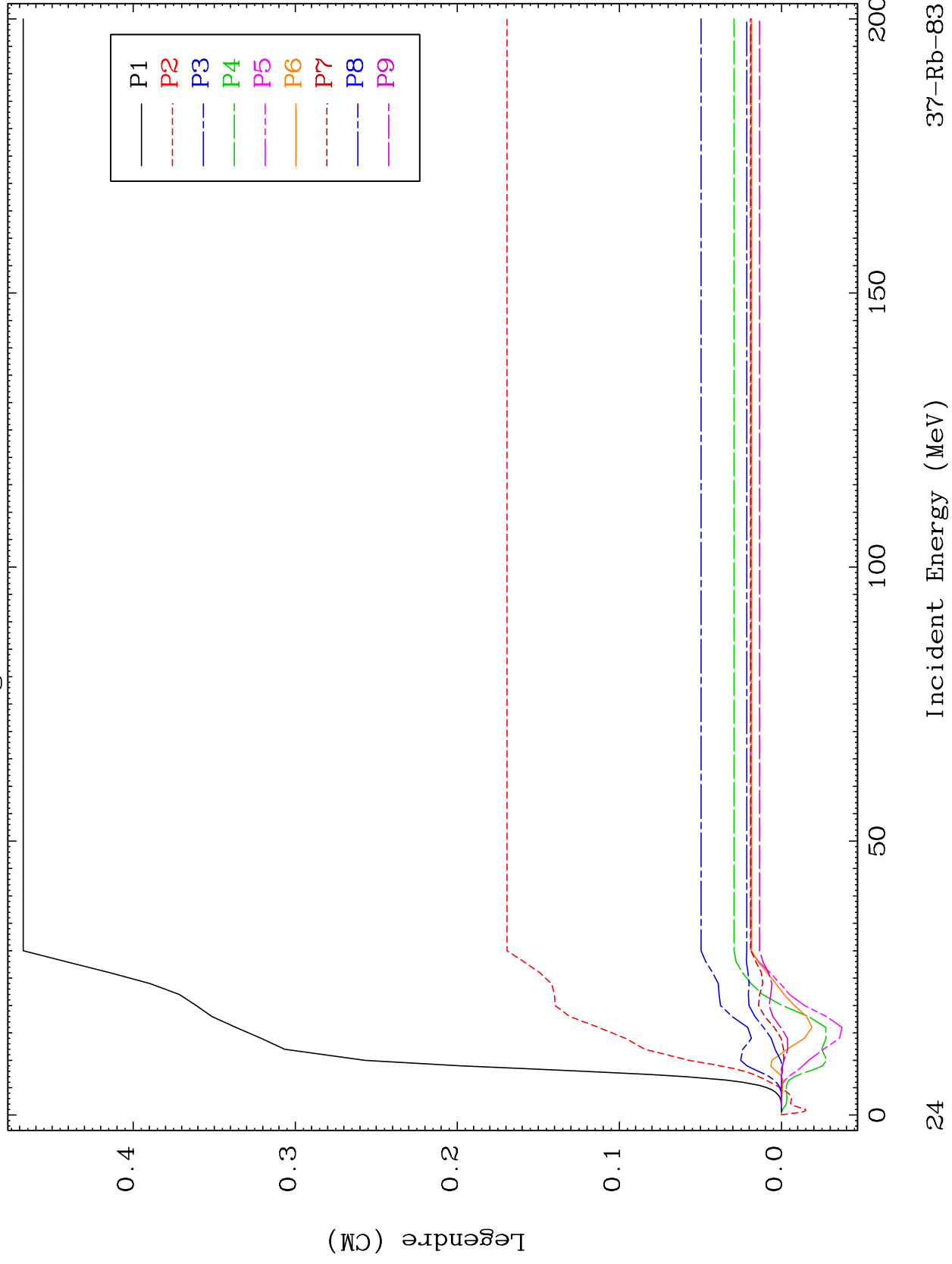




MAT 3719

42.11 keV (n,n') Level  
Legendre Coefficients

37-Rb-83



24

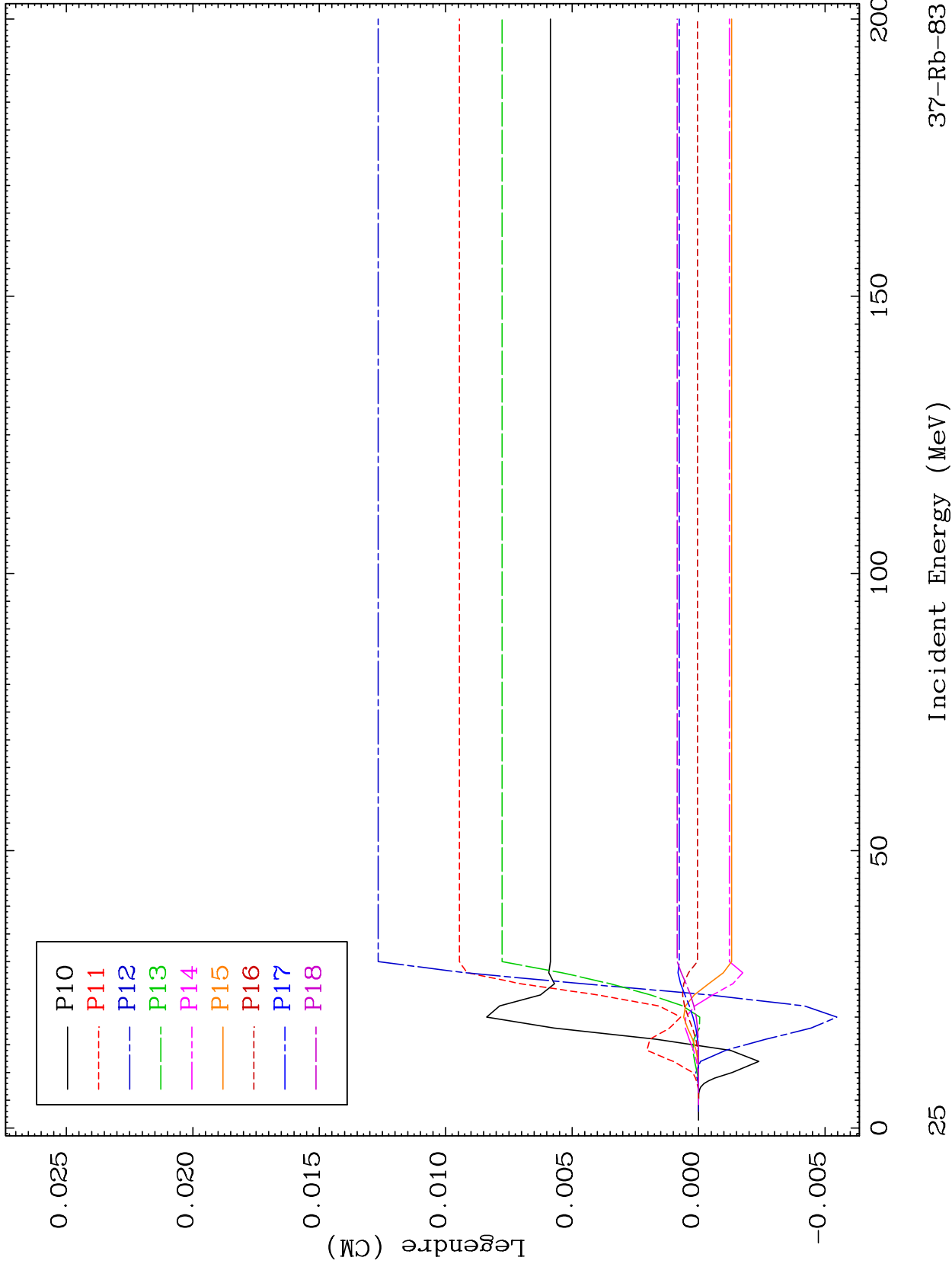
Incident Energy (MeV)

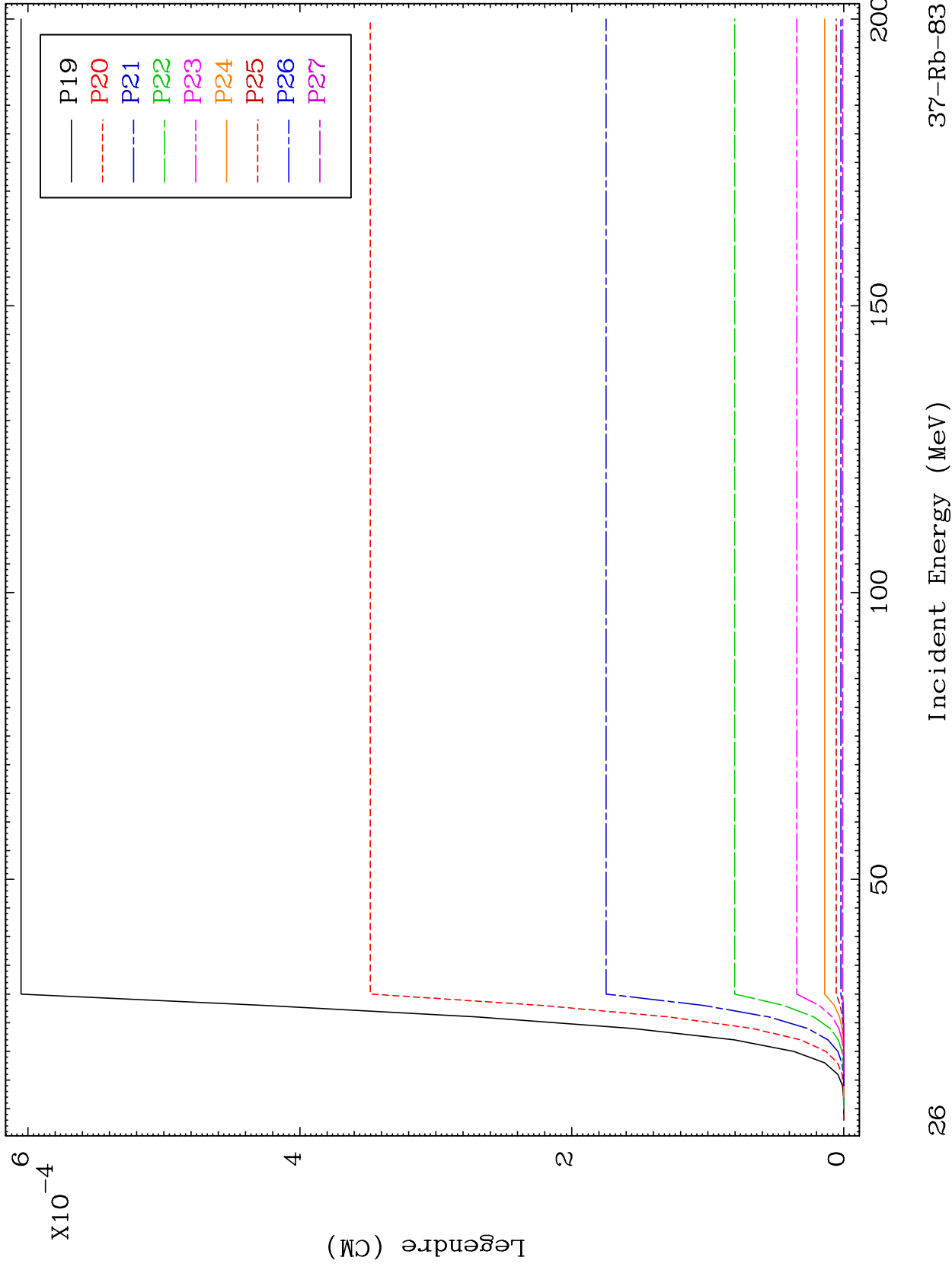
37-Rb-83

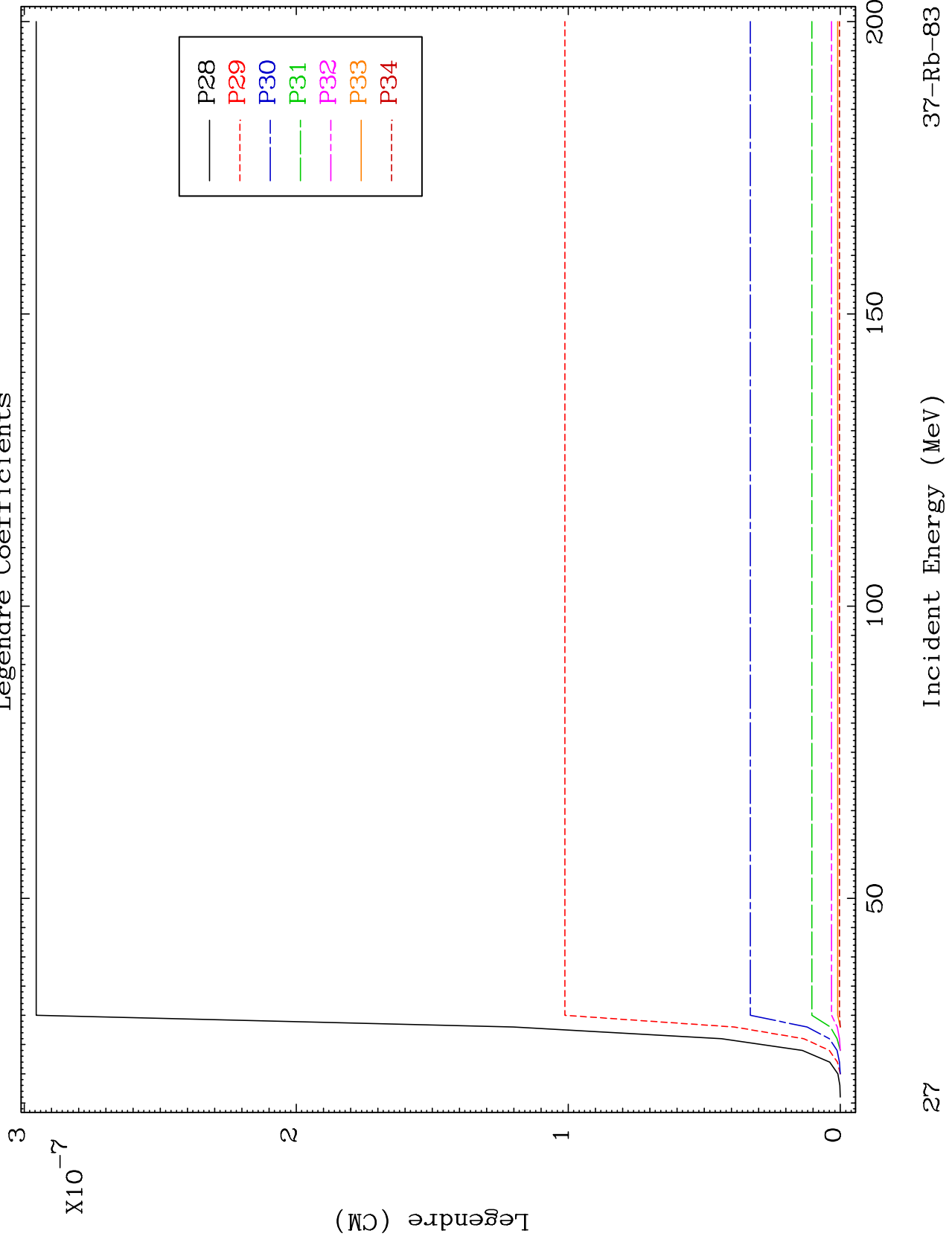
MAT 3719

42.11 keV (n,n') Level  
Legendre Coefficients

37-Rb-83



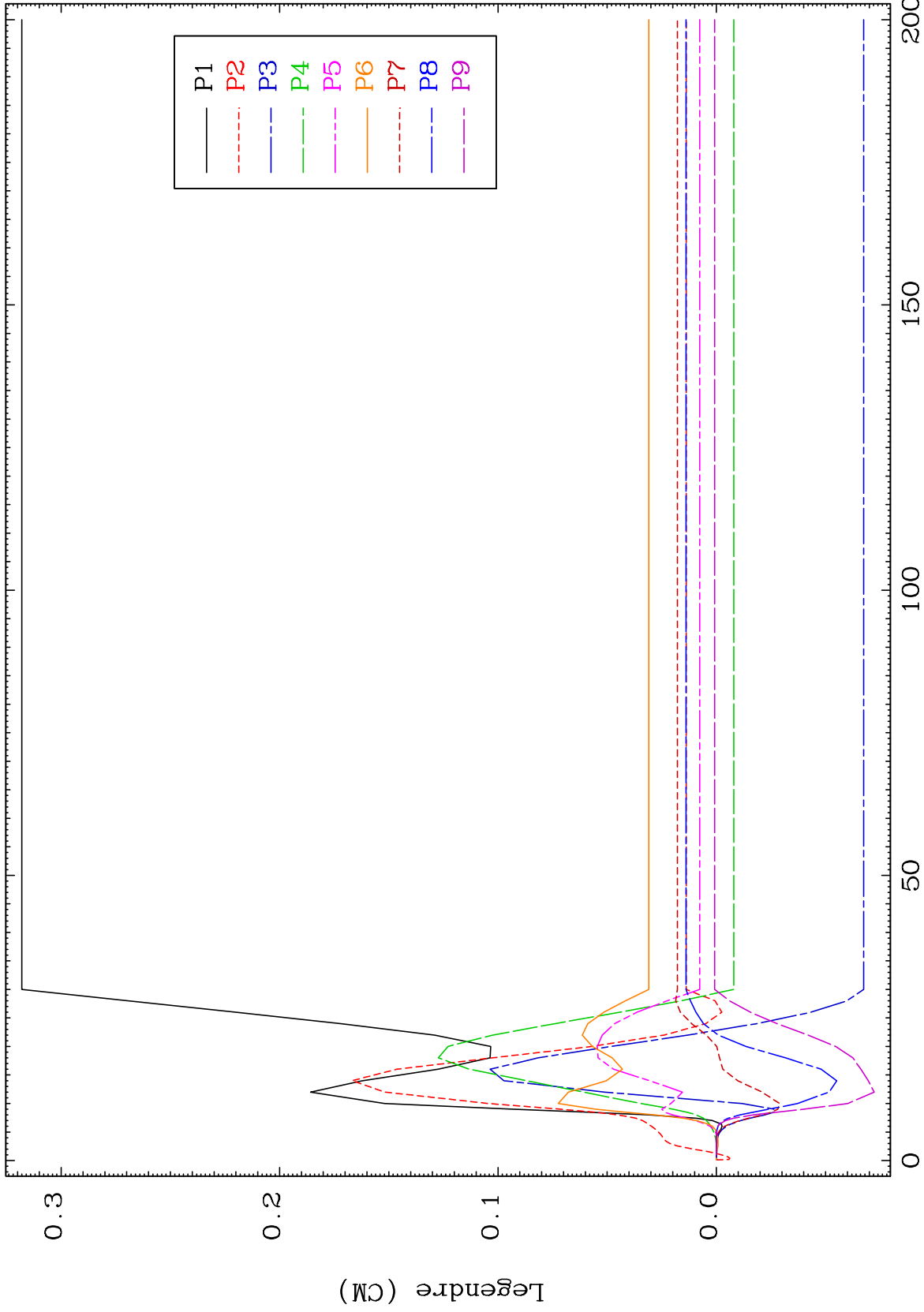




MAT 3719

99.39 keV (n,n') Level  
Legendre Coefficients

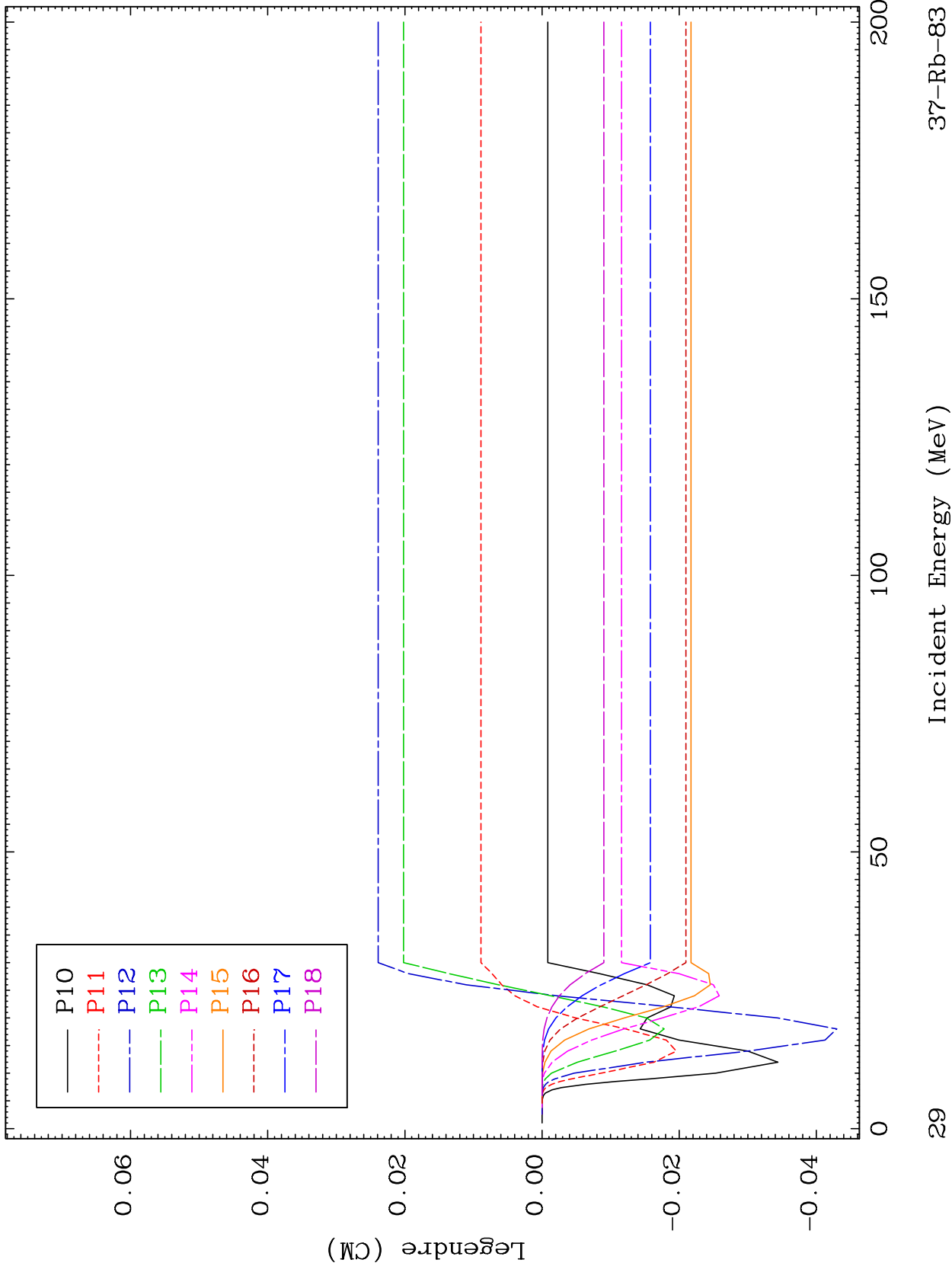
37-Rb-83

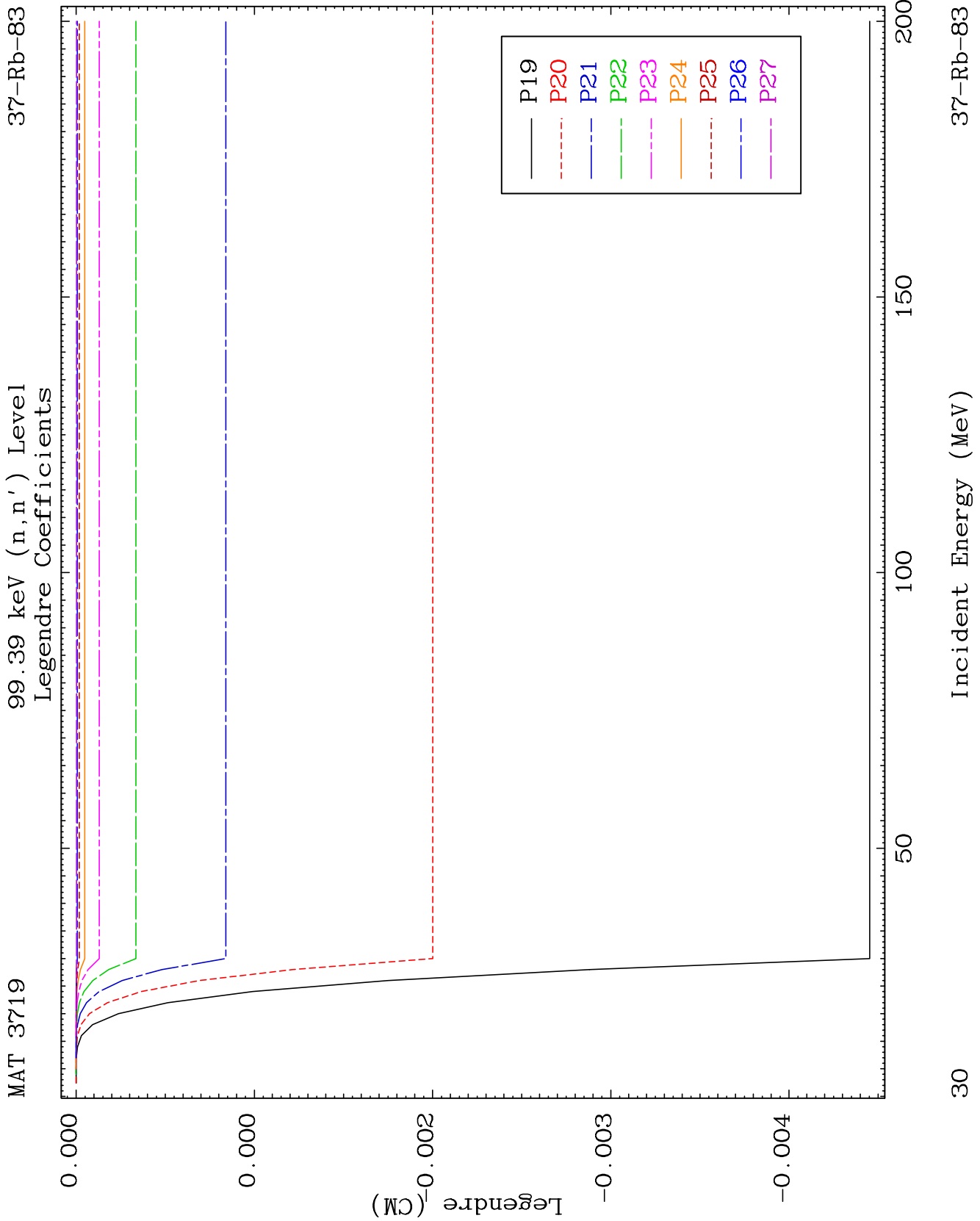


28

Incident Energy (MeV)

37-Rb-83





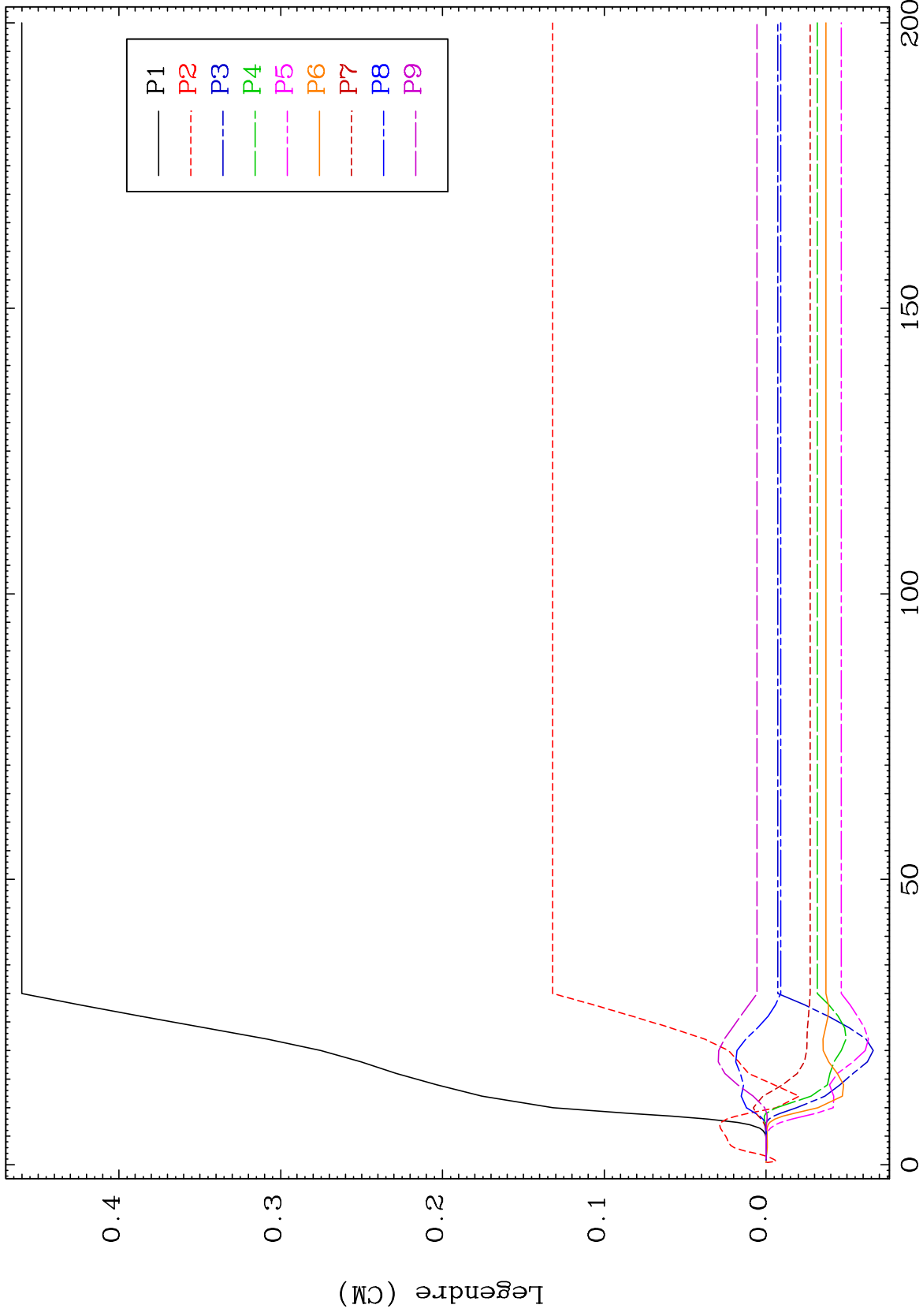




MAT 3719

389.4 keV (n,n') Level  
Legendre Coefficients

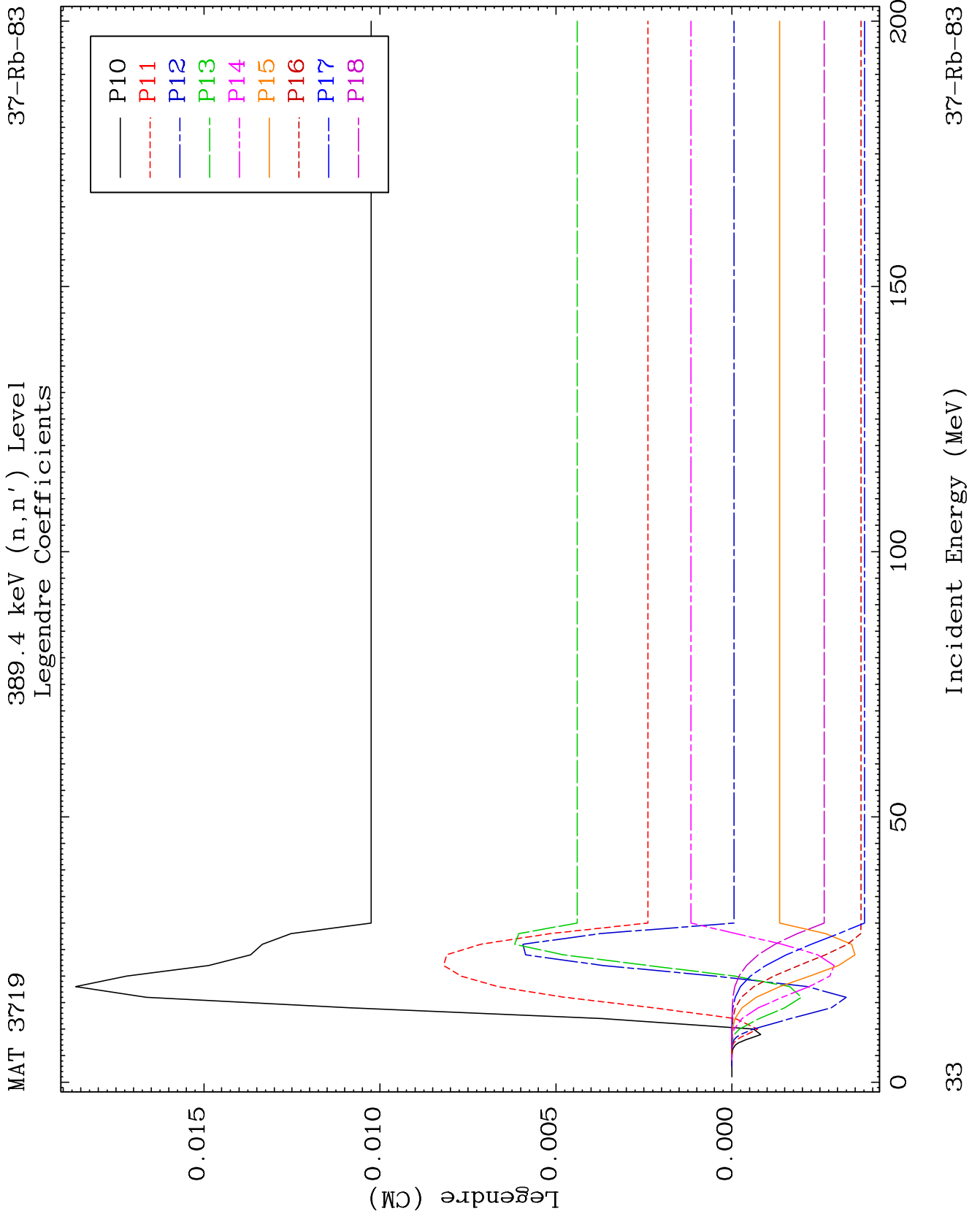
37-Rb-83

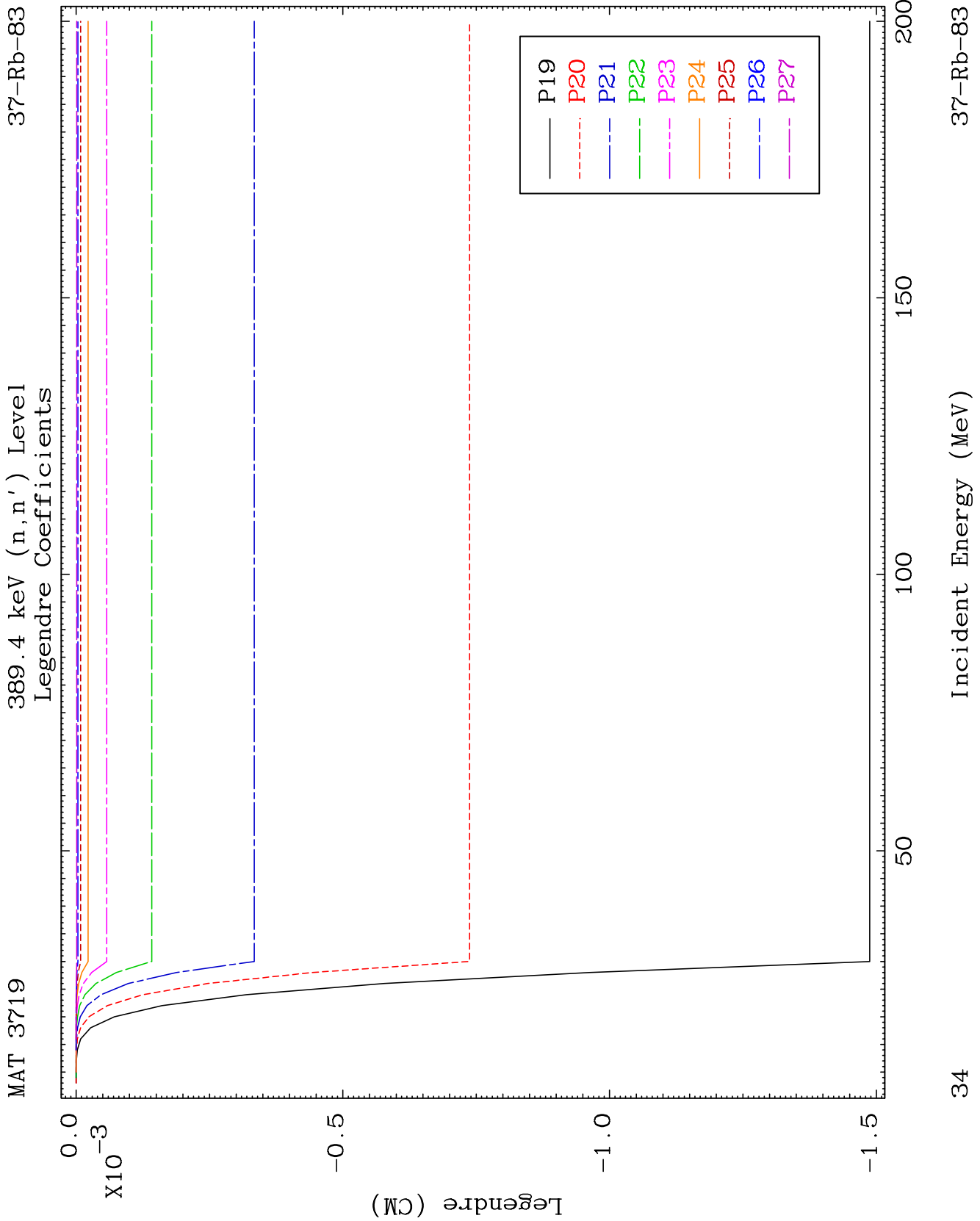


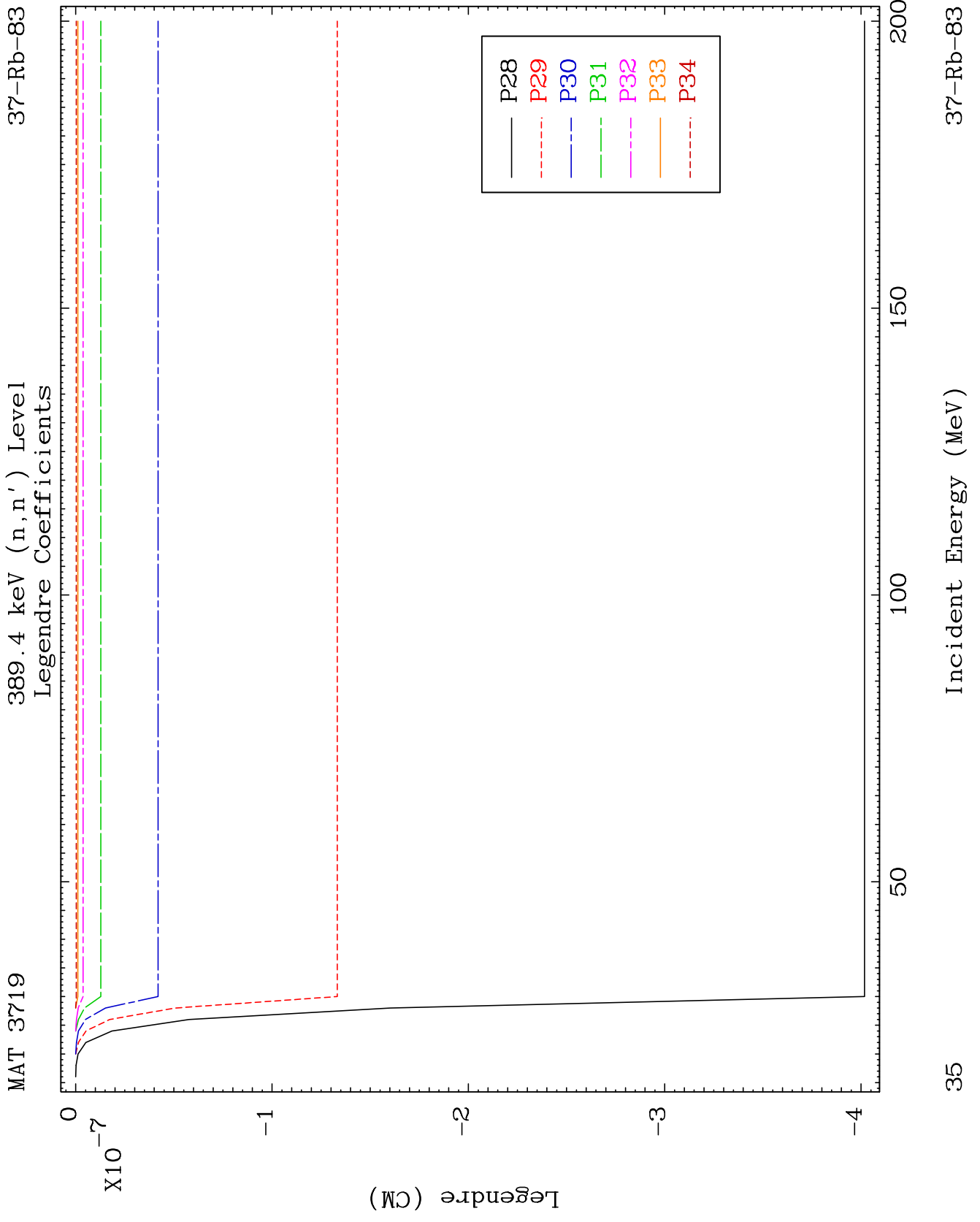
32

Incident Energy (MeV)

37-Rb-83



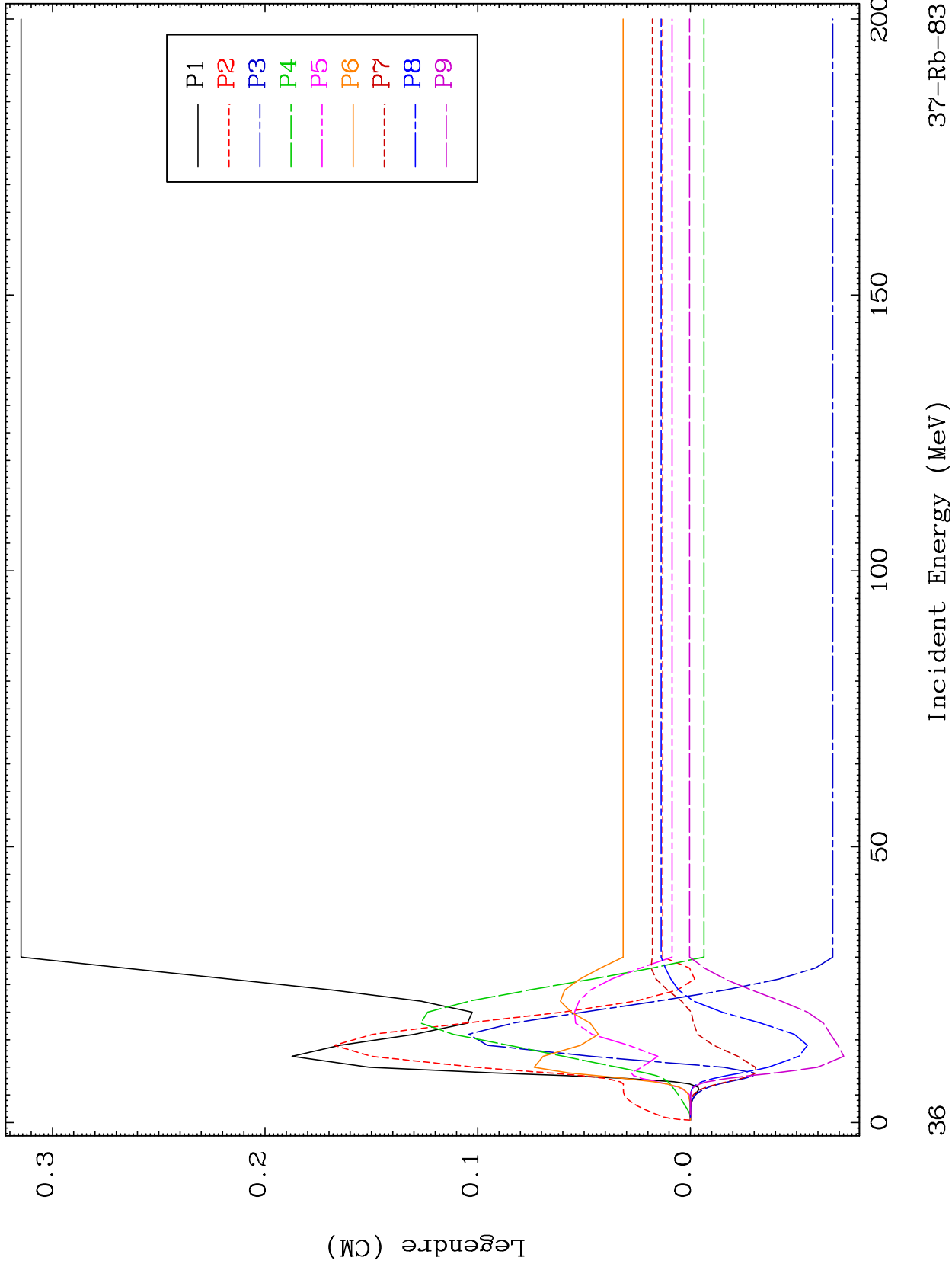


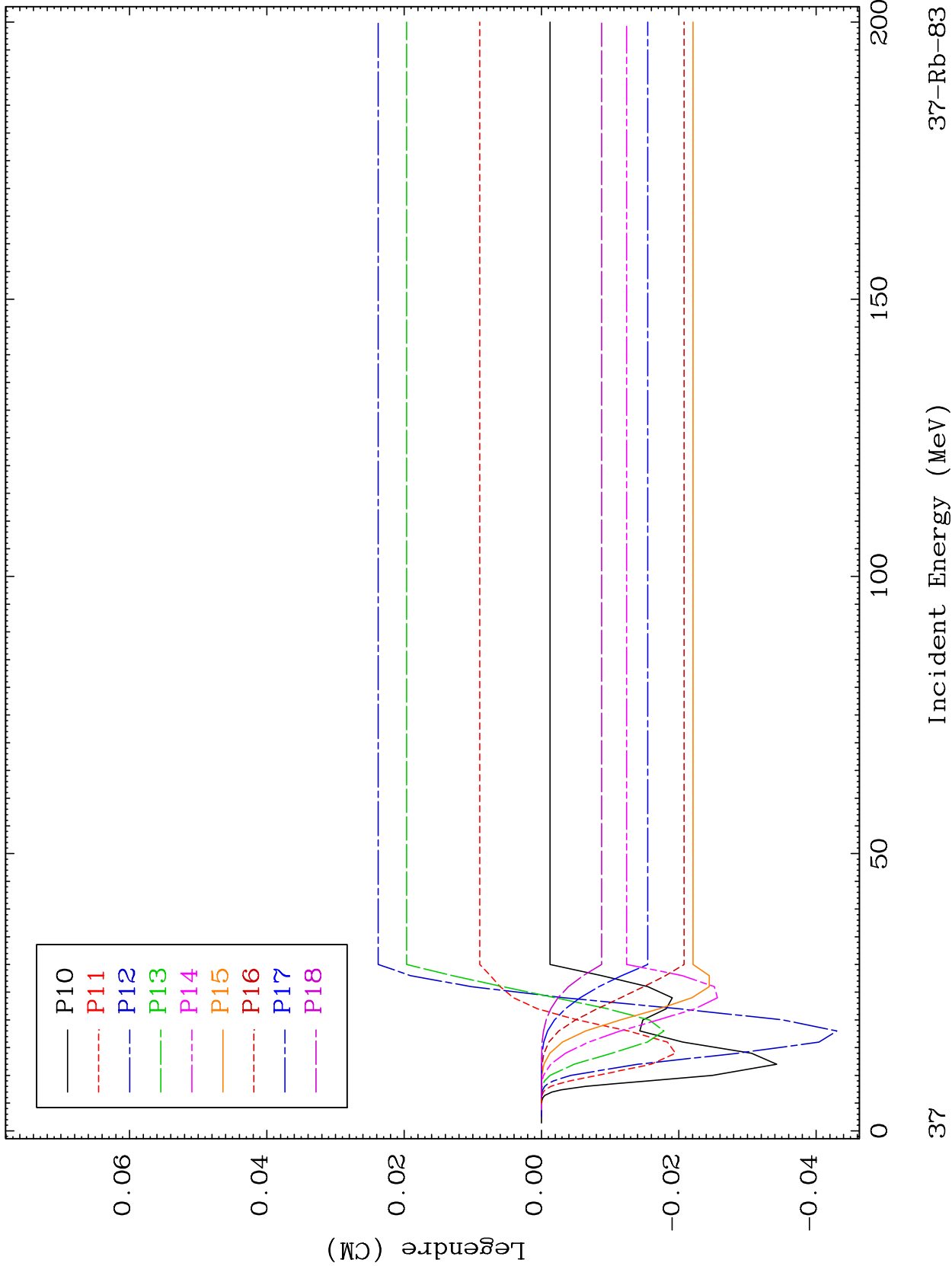


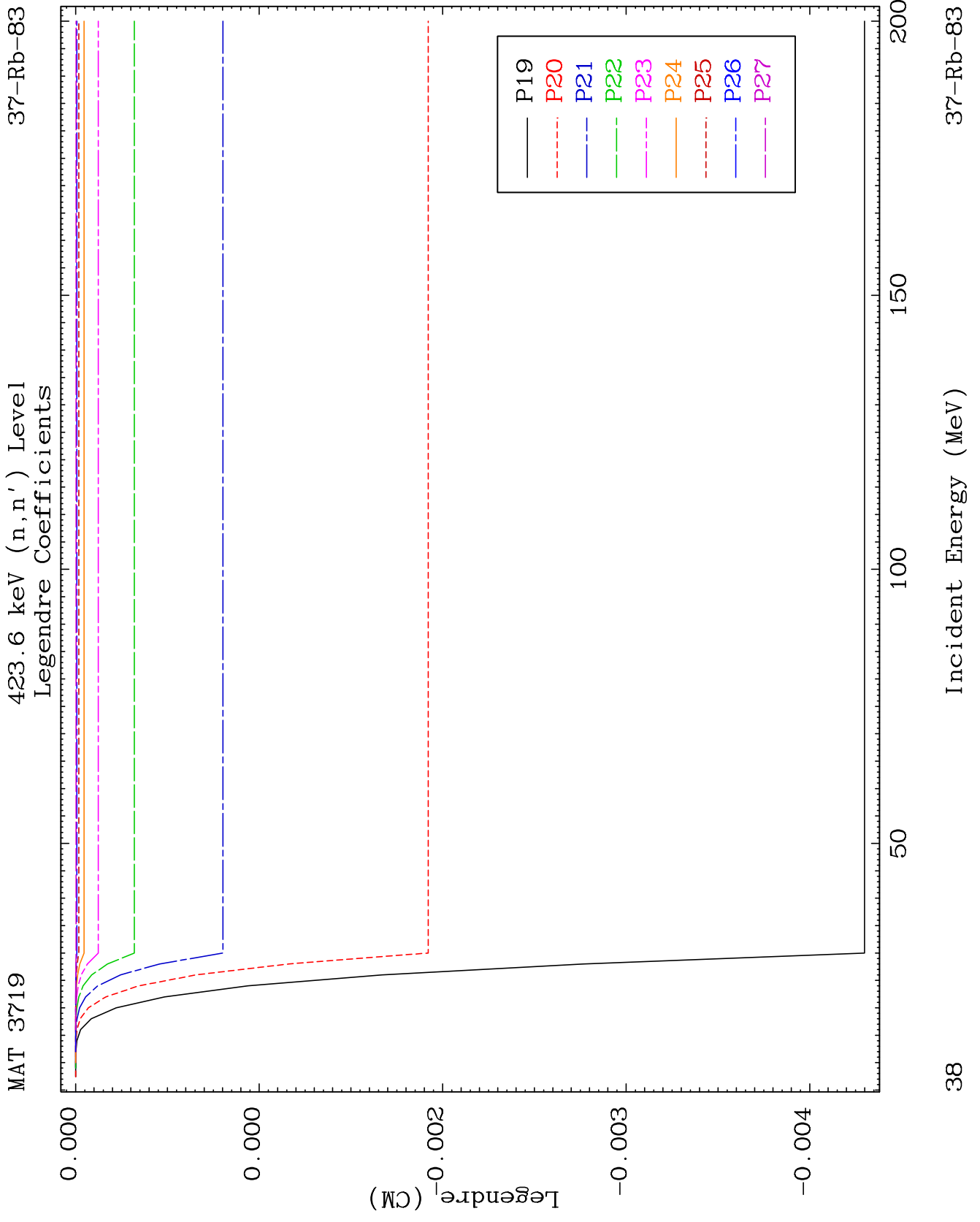
MAT 3719

423.6 keV (n,n') Level  
Legendre Coefficients

37-Rb-83







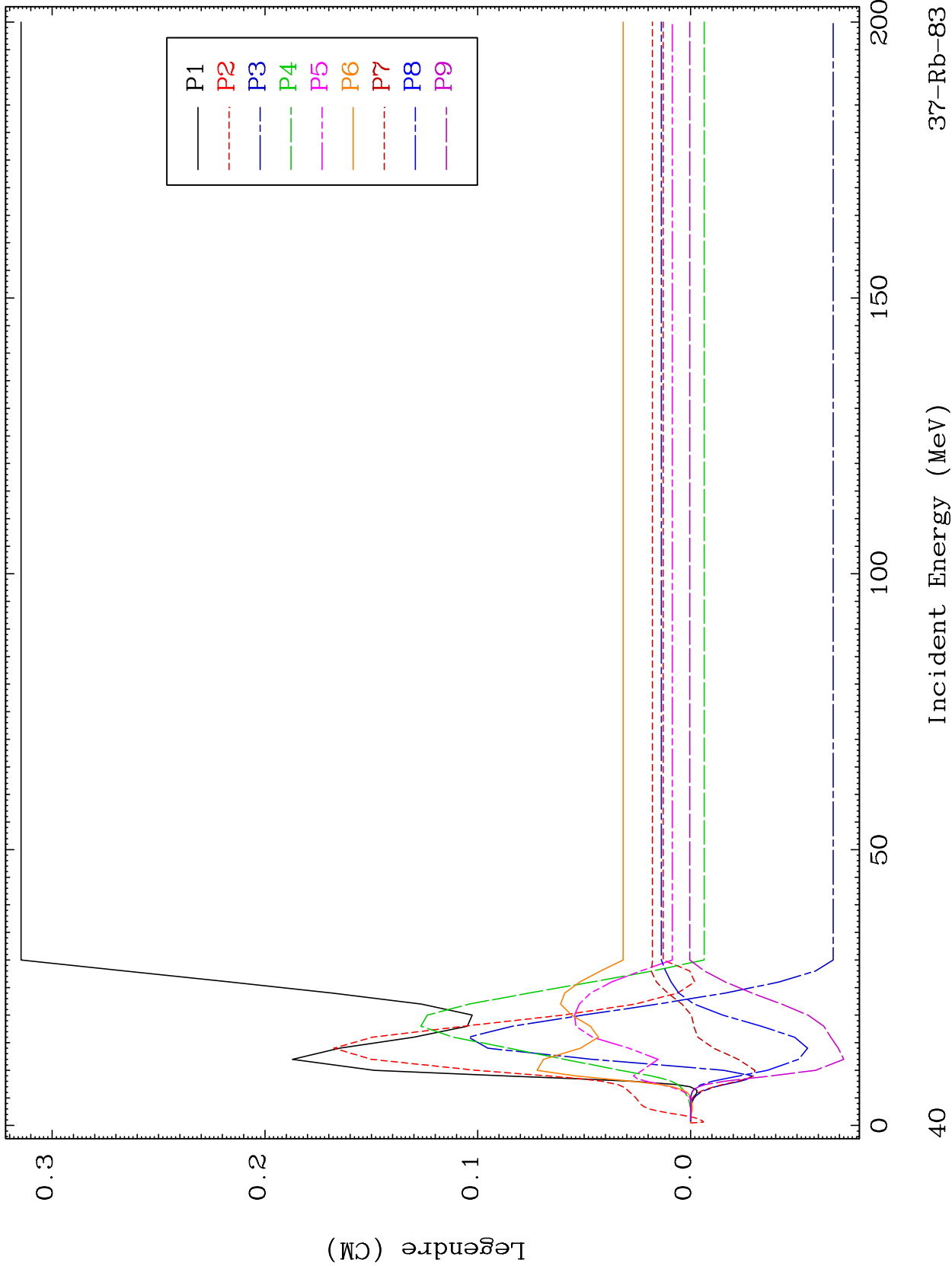




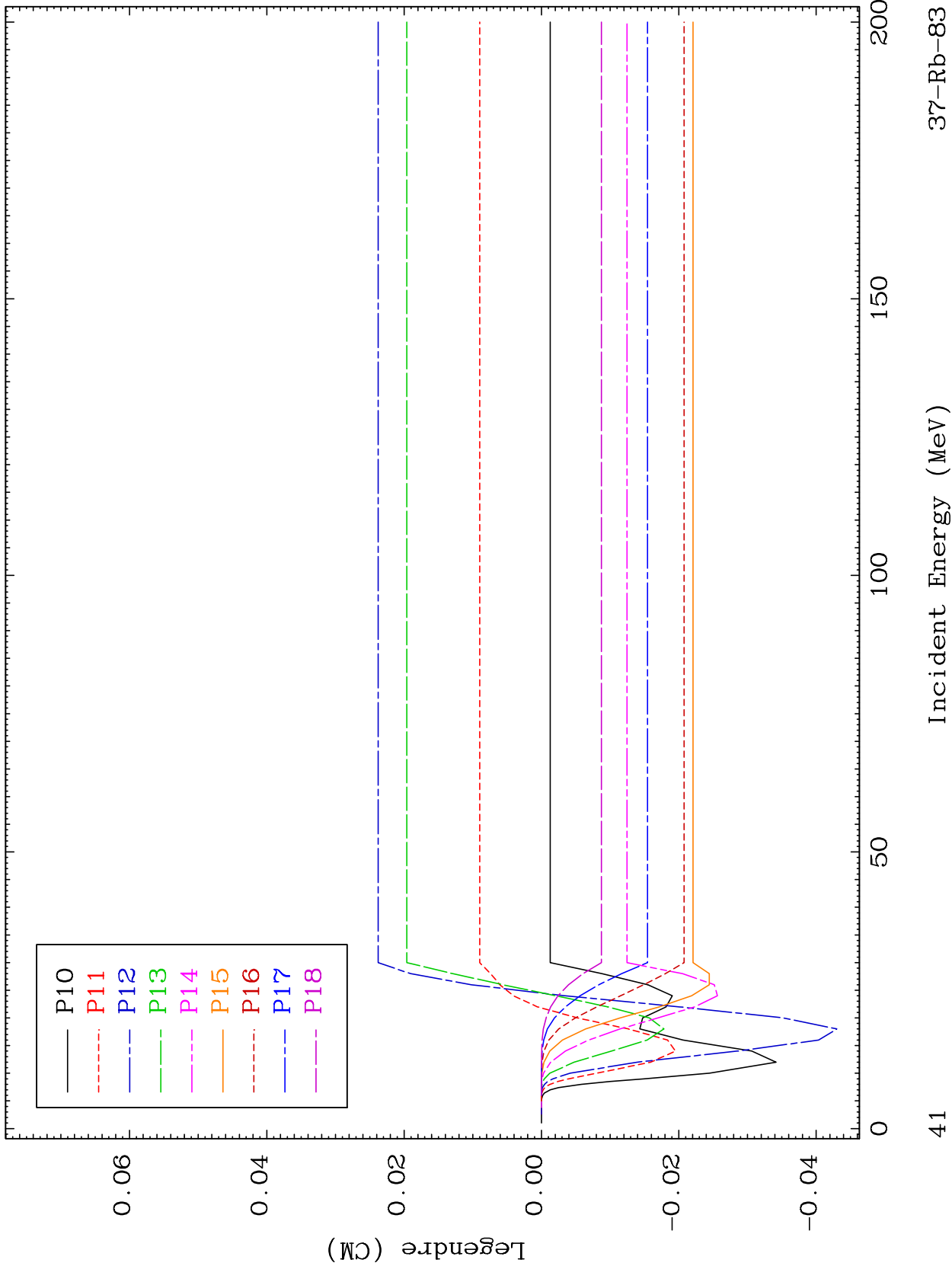
MAT 3719

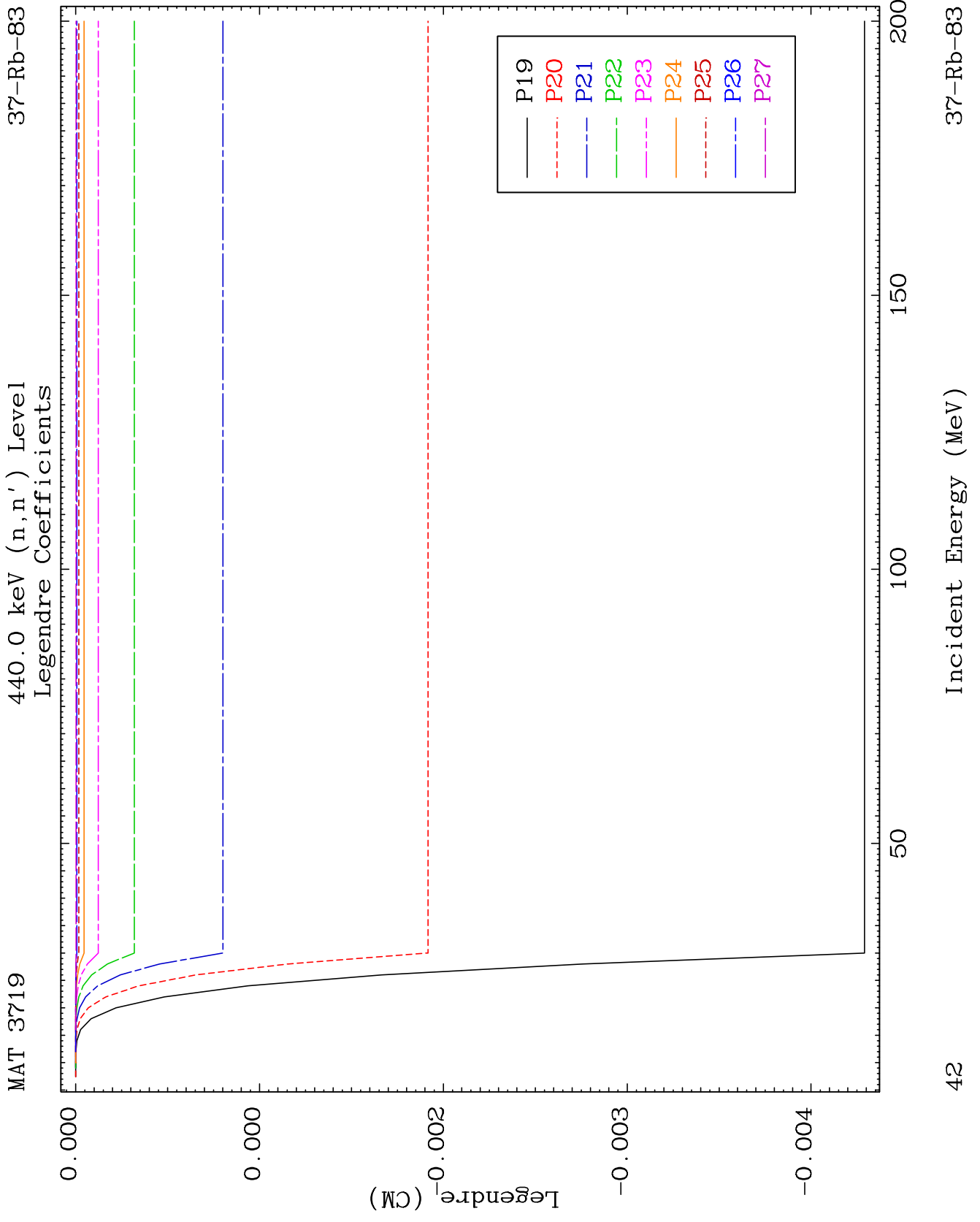
440.0 keV (n,n') Level  
Legendre Coefficients

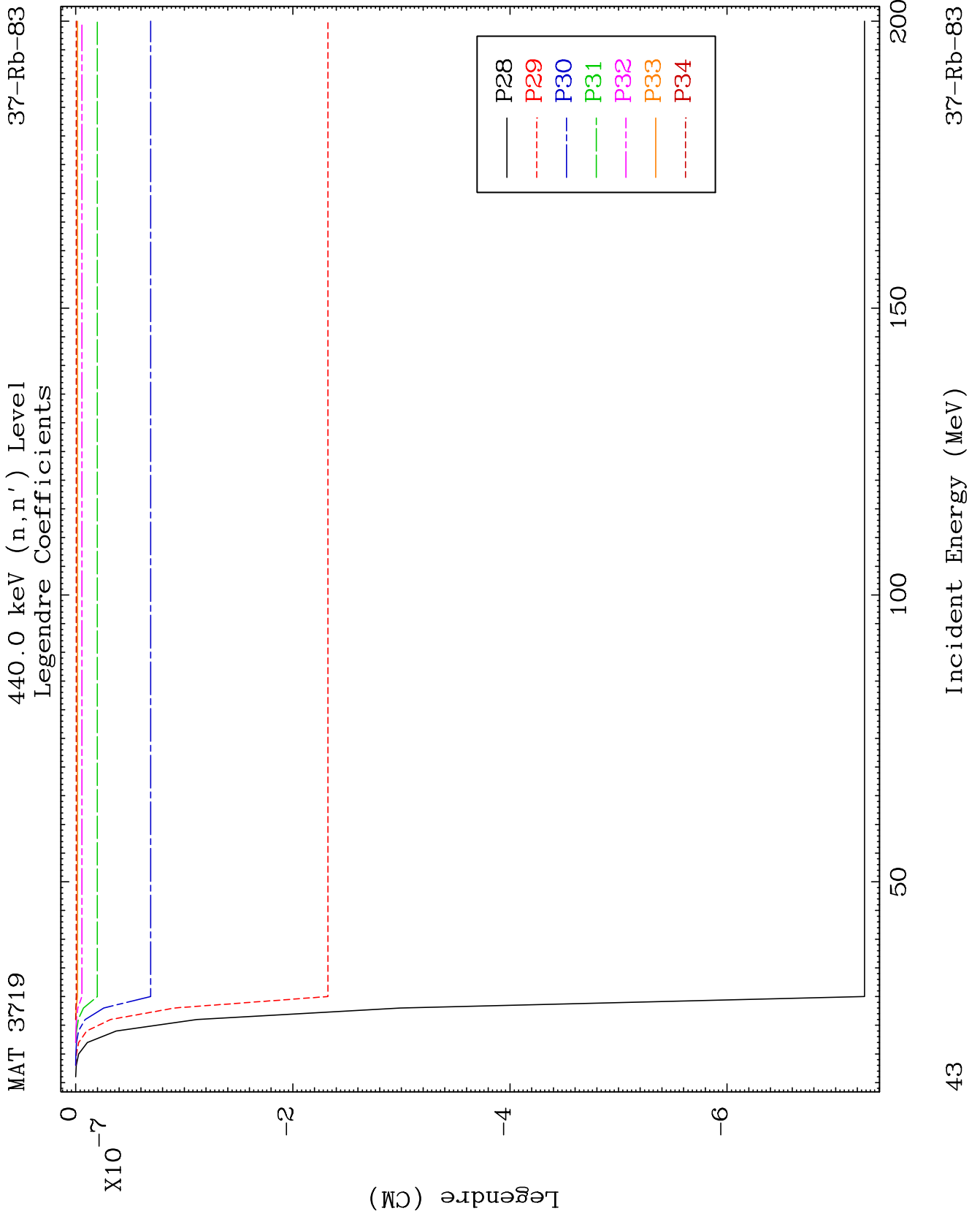
37-Rb-83



37-Rb-83





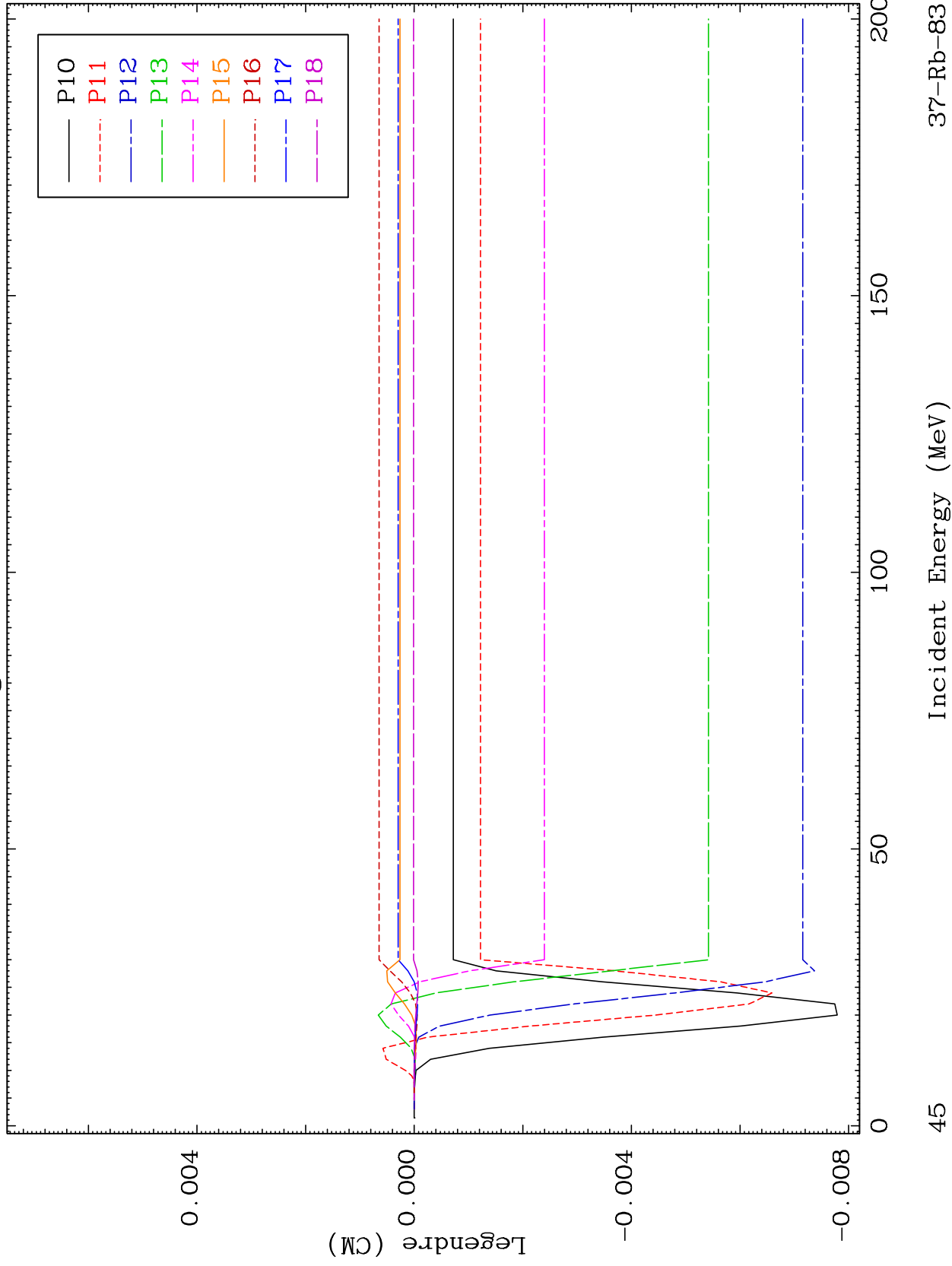




MAT 3719

564.6 keV (n,n') Level  
Legendre Coefficients

37-Rb-83



37-Rb-83

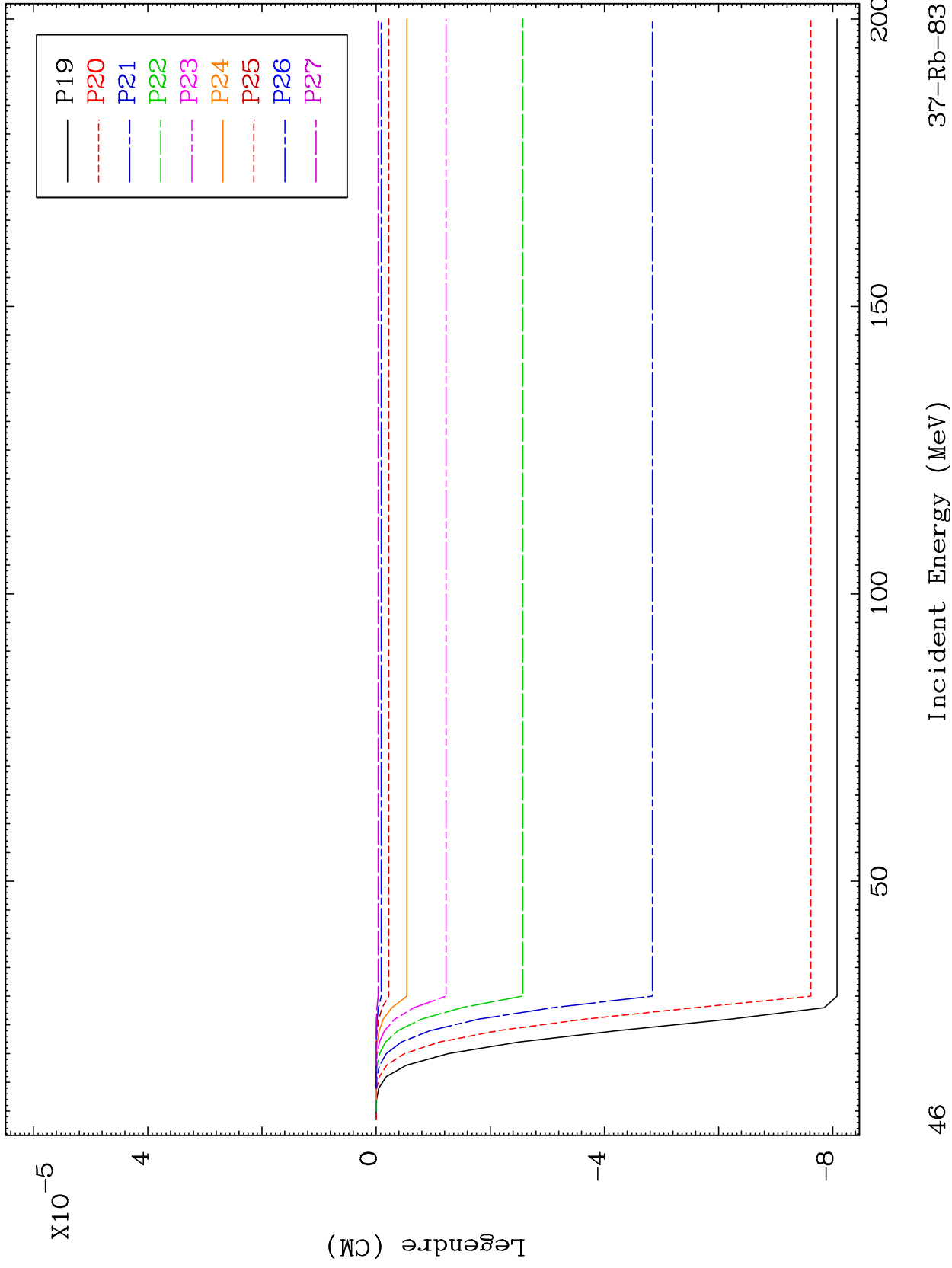
Incident Energy (MeV)

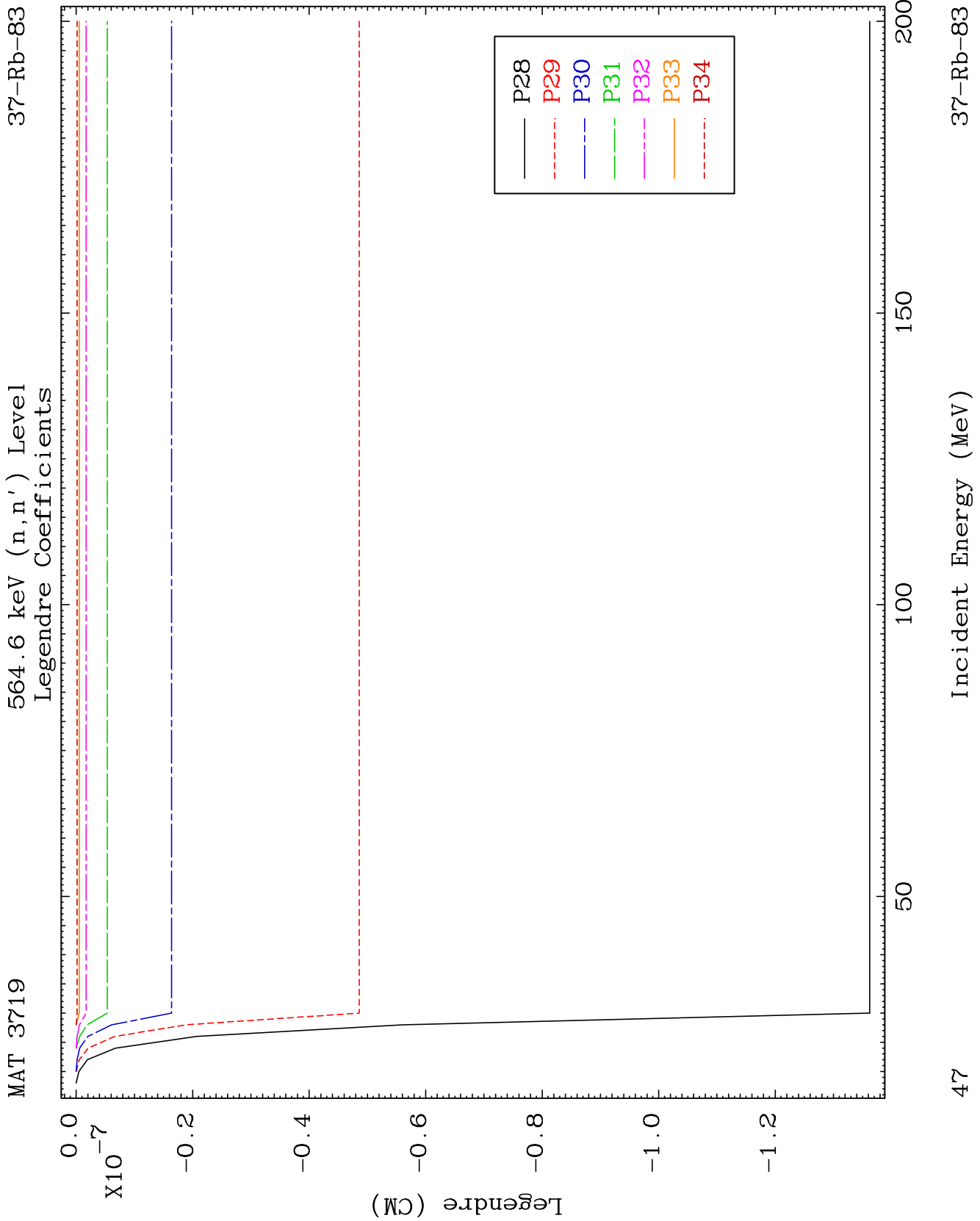
45

MAT 3719

564.6 keV (n,n') Level  
Legendre Coefficients

37-Rb-83



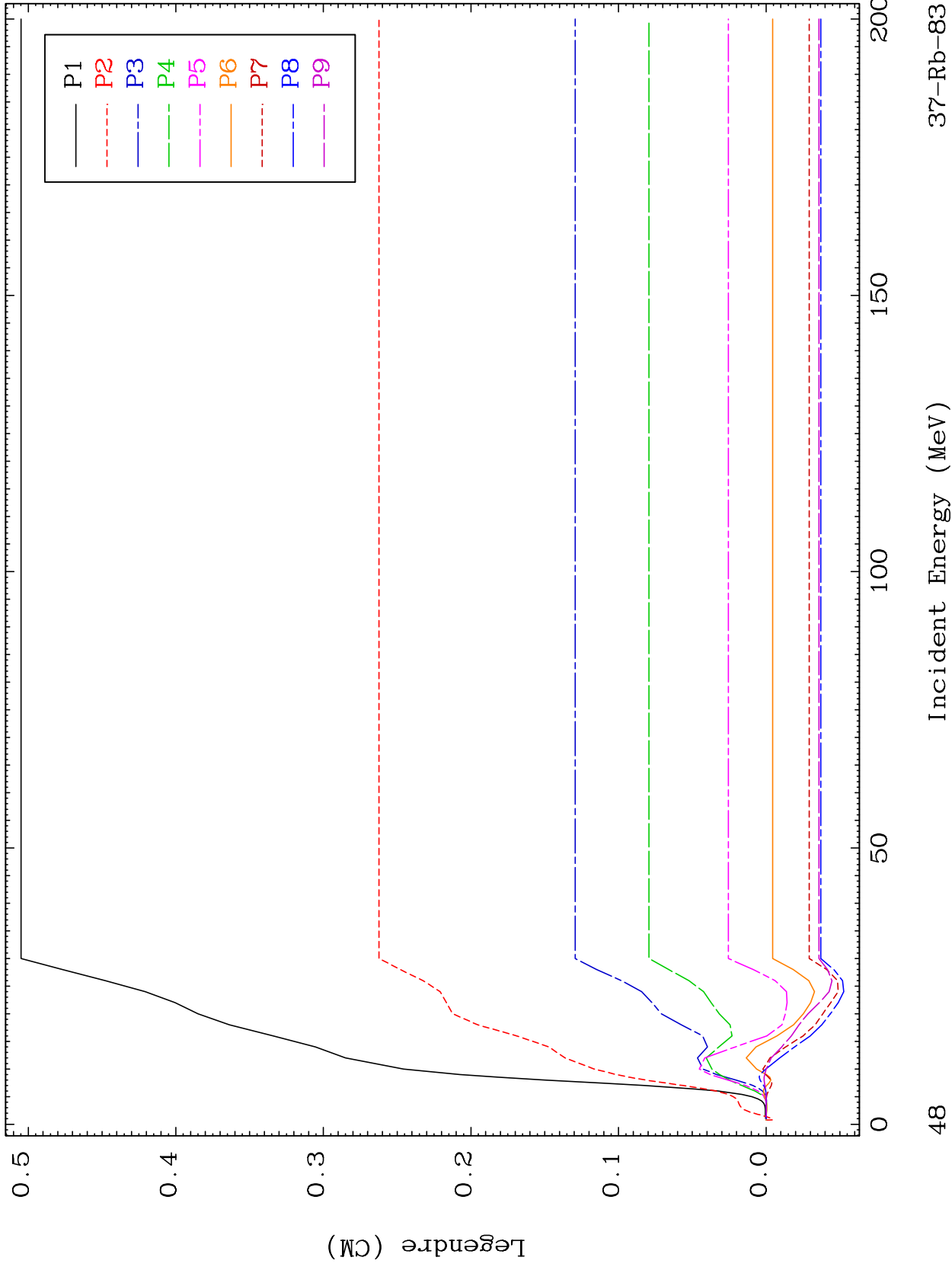




MAT 3719

737.3 keV (n,n') Level  
Legendre Coefficients

37-Rb-83



37-Rb-83

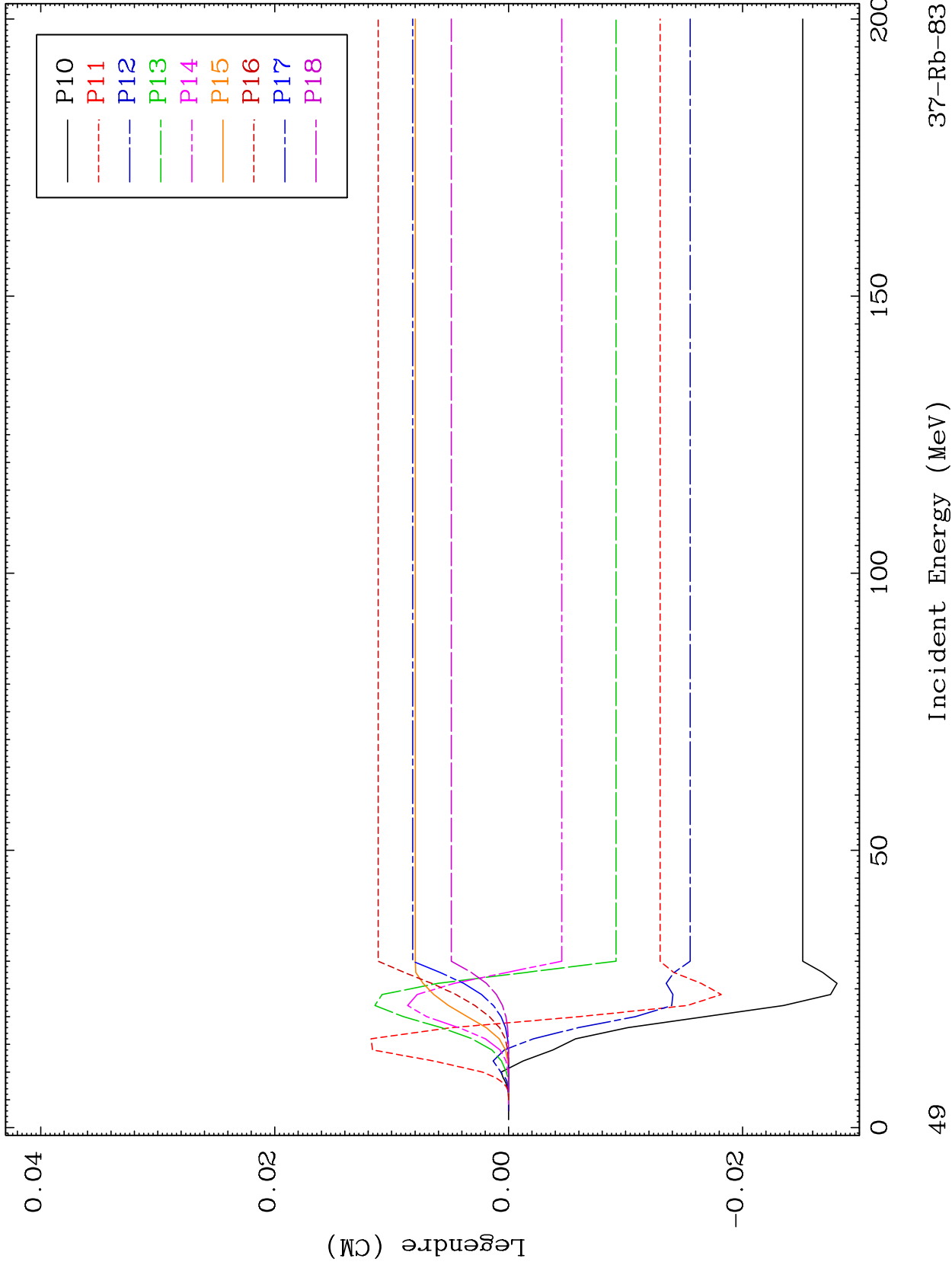
Incident Energy (MeV)

48

MAT 3719

737.3 keV (n,n') Level  
Legendre Coefficients

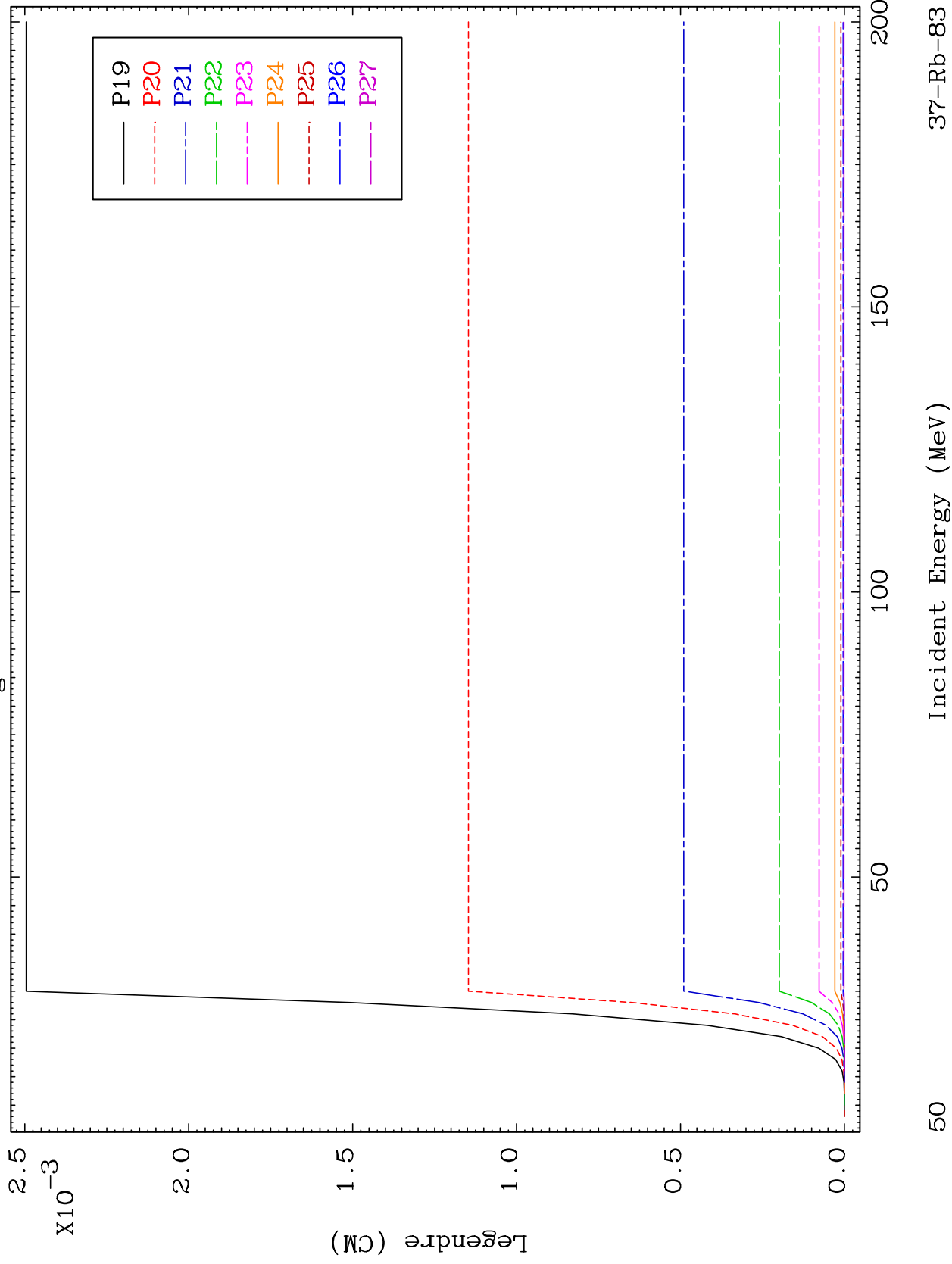
37-Rb-83



MAT 3719

737.3 keV (n,n') Level  
Legendre Coefficients

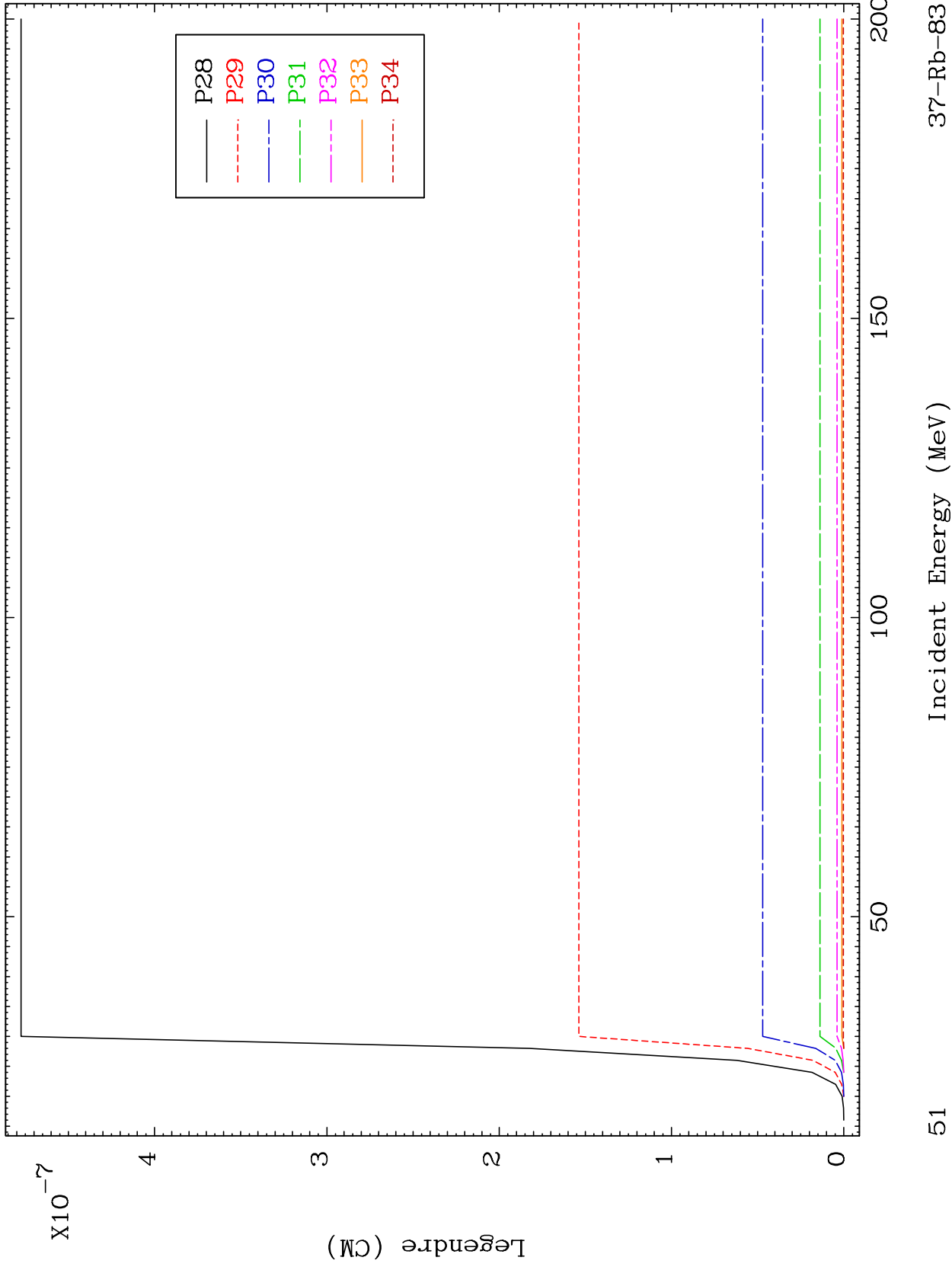
37-Rb-83



MAT 3719

737.3 keV (n,n') Level  
Legendre Coefficients

37-Rb-83



51

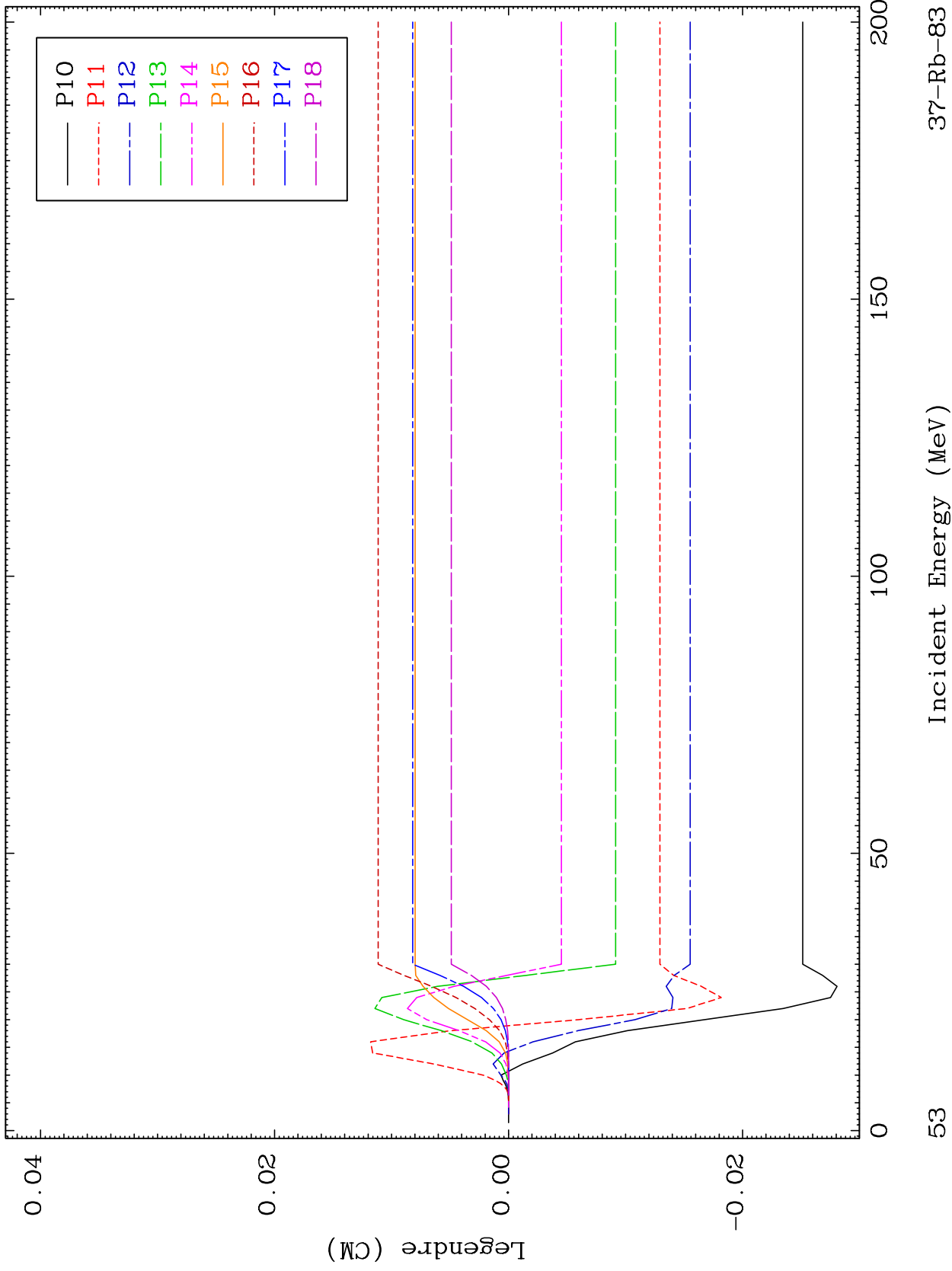
37-Rb-83

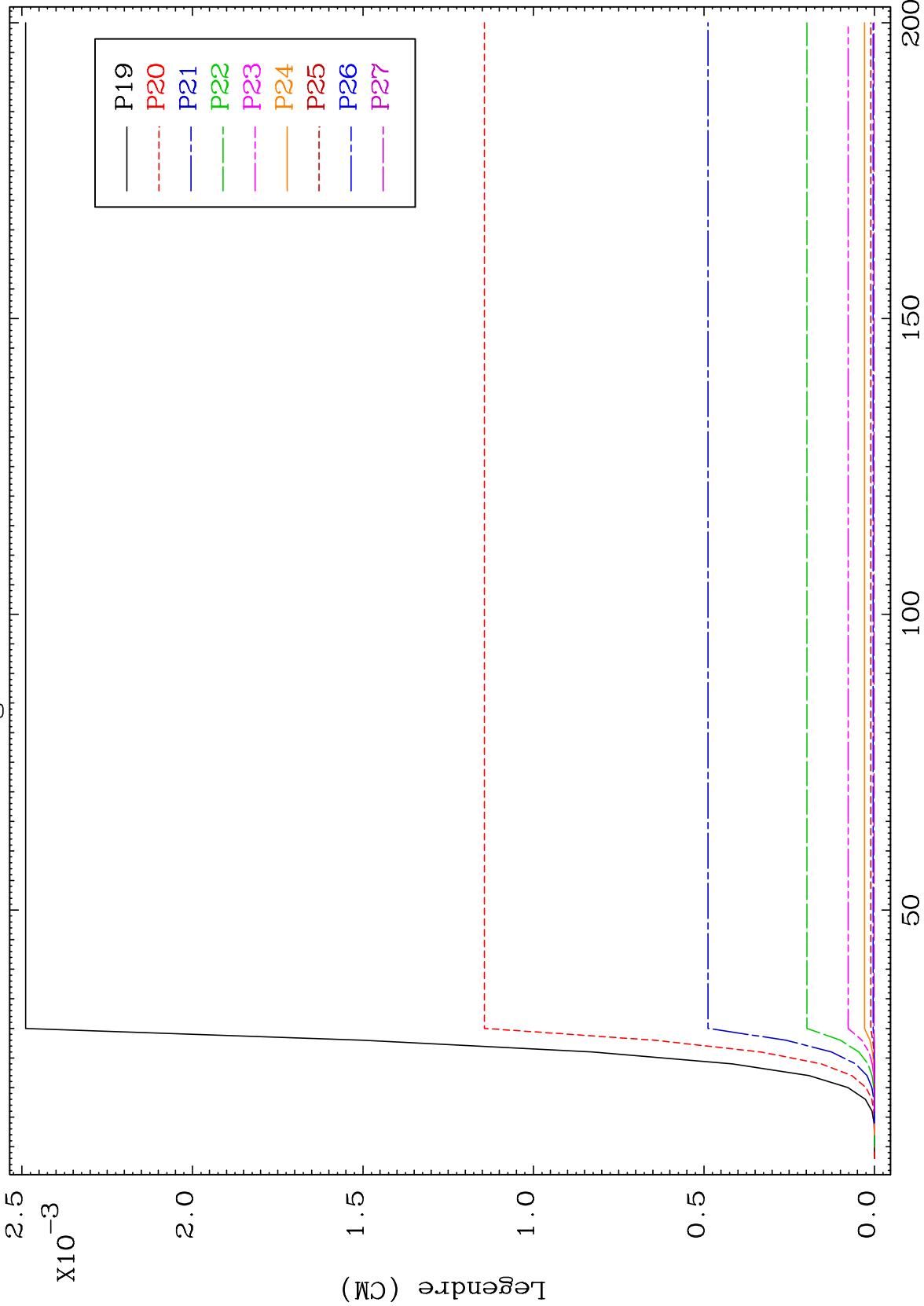


MAT 3719

759.4 keV (n,n') Level  
Legendre Coefficients

37-Rb-83

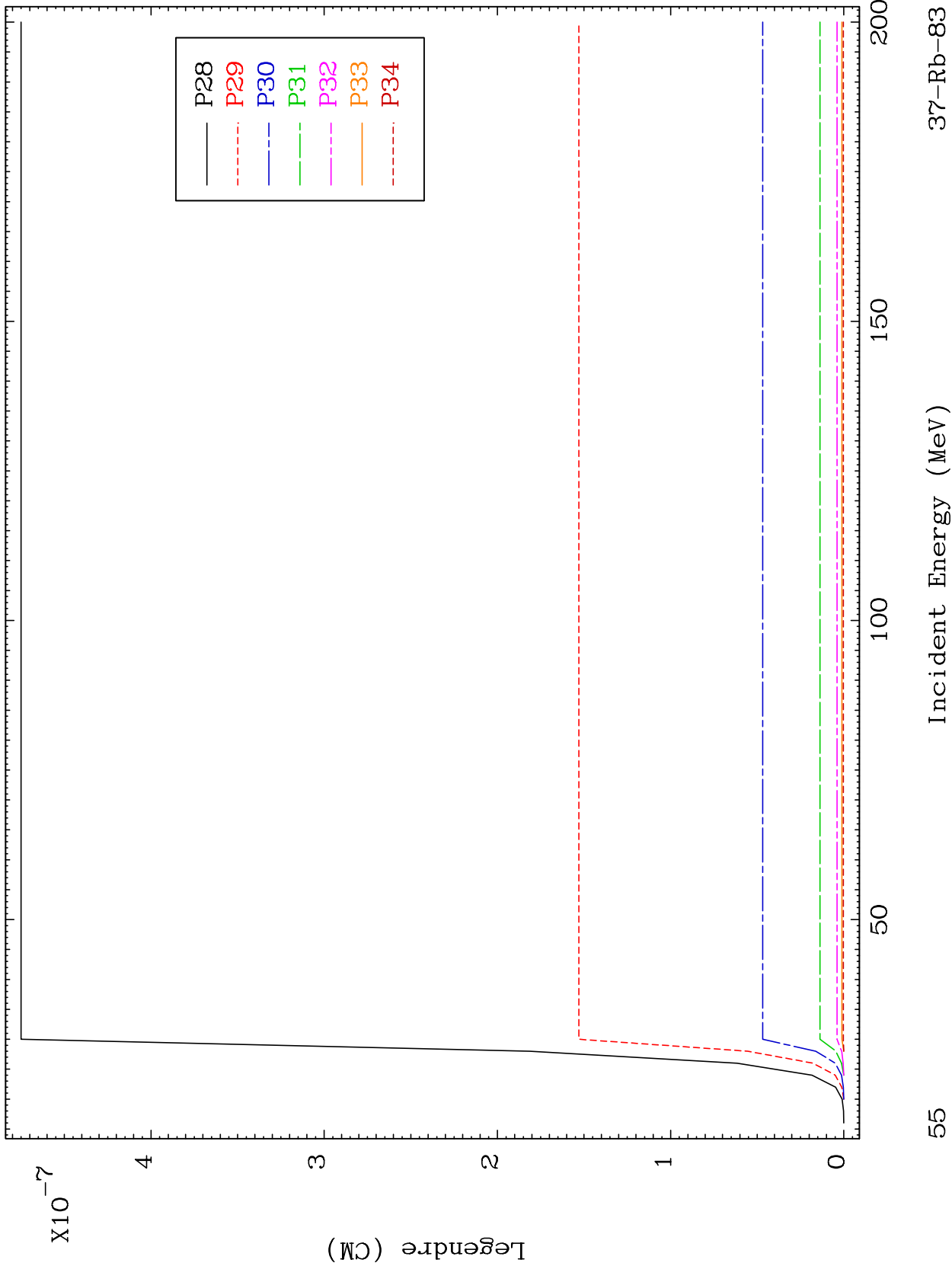




MAT 3719

759.4 keV (n,n') Level  
Legendre Coefficients

37-Rb-83

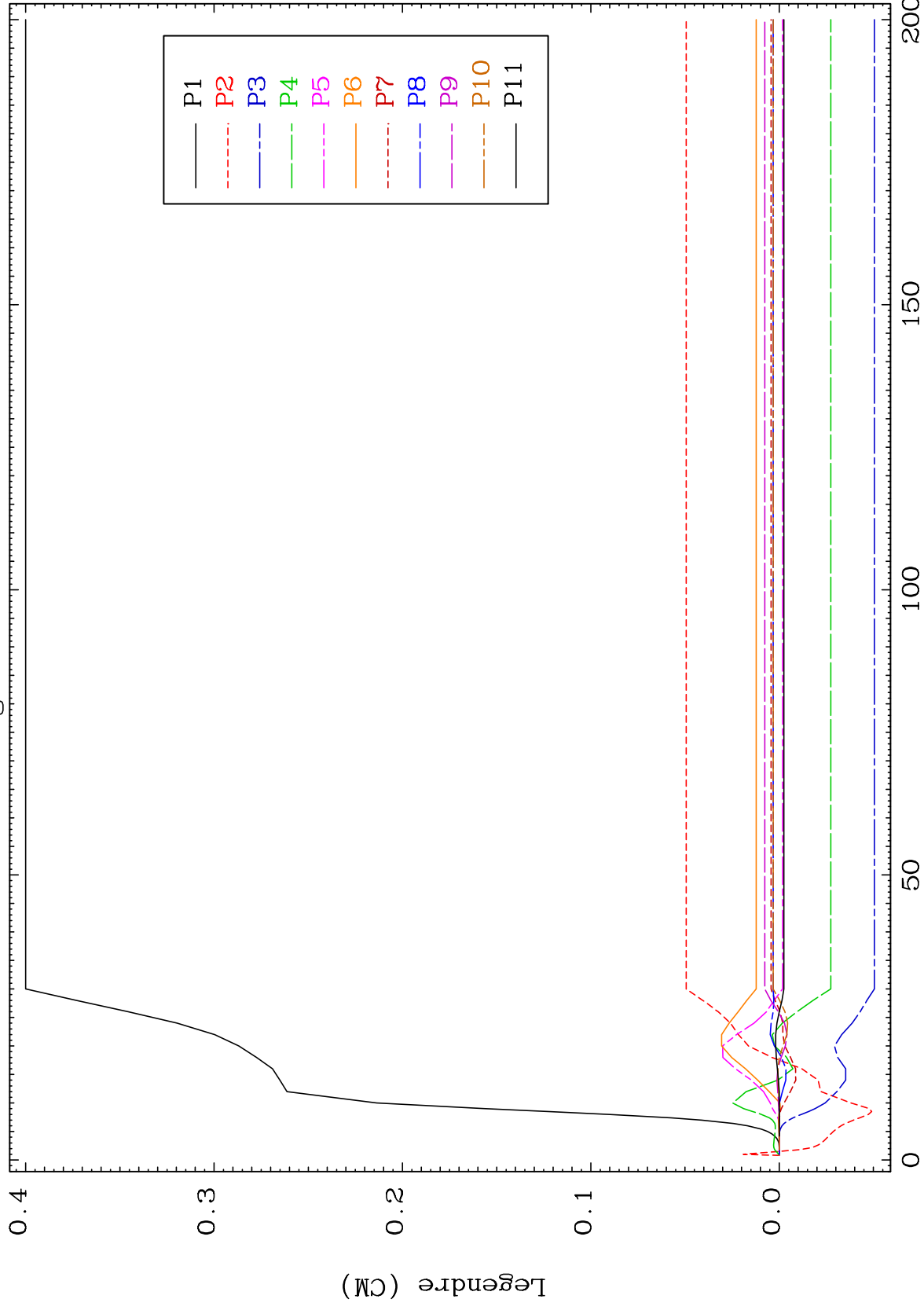




MAT 3719

794.0 keV (n,n') Level  
Legendre Coefficients

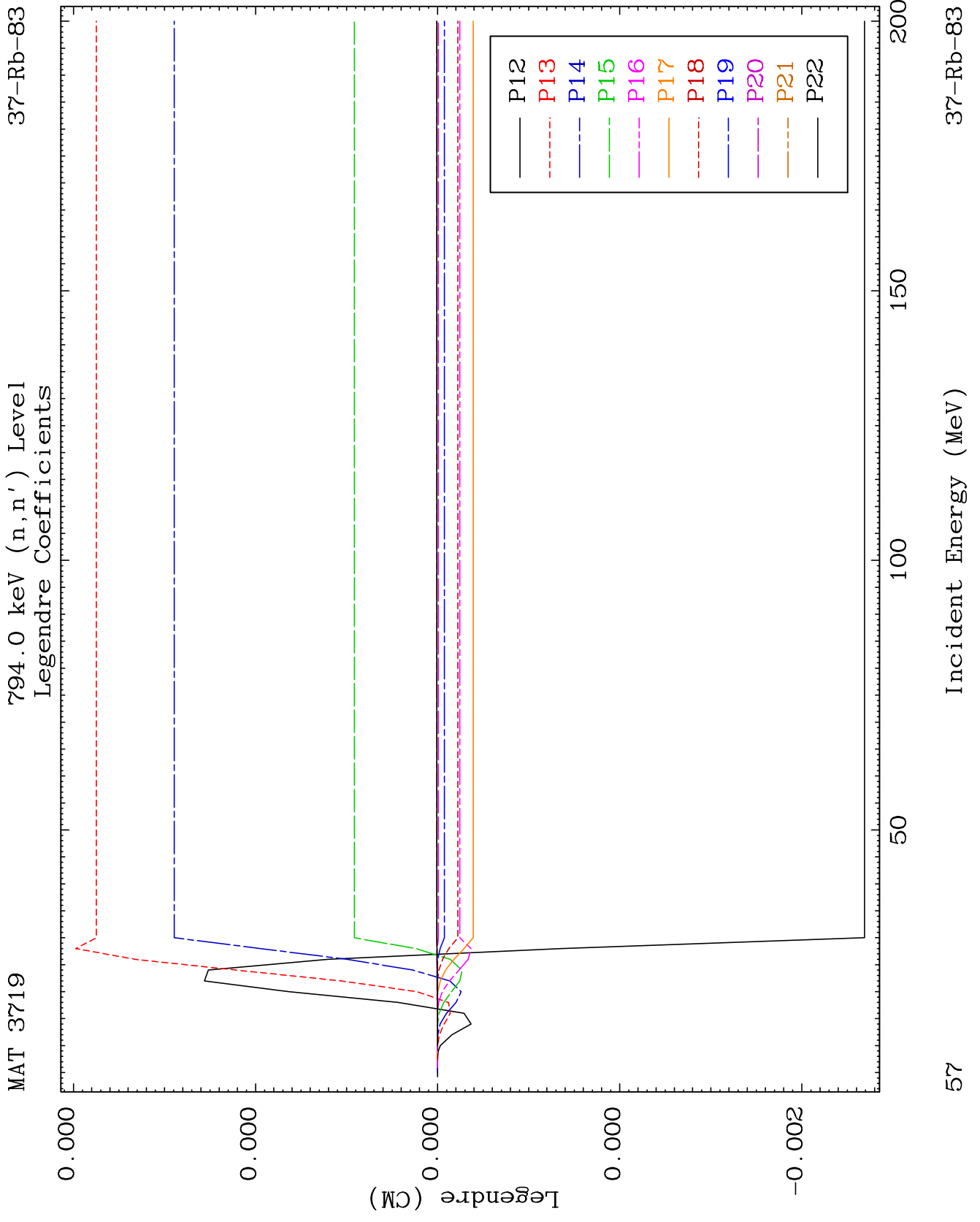
37-Rb-83



56

Incident Energy (MeV)

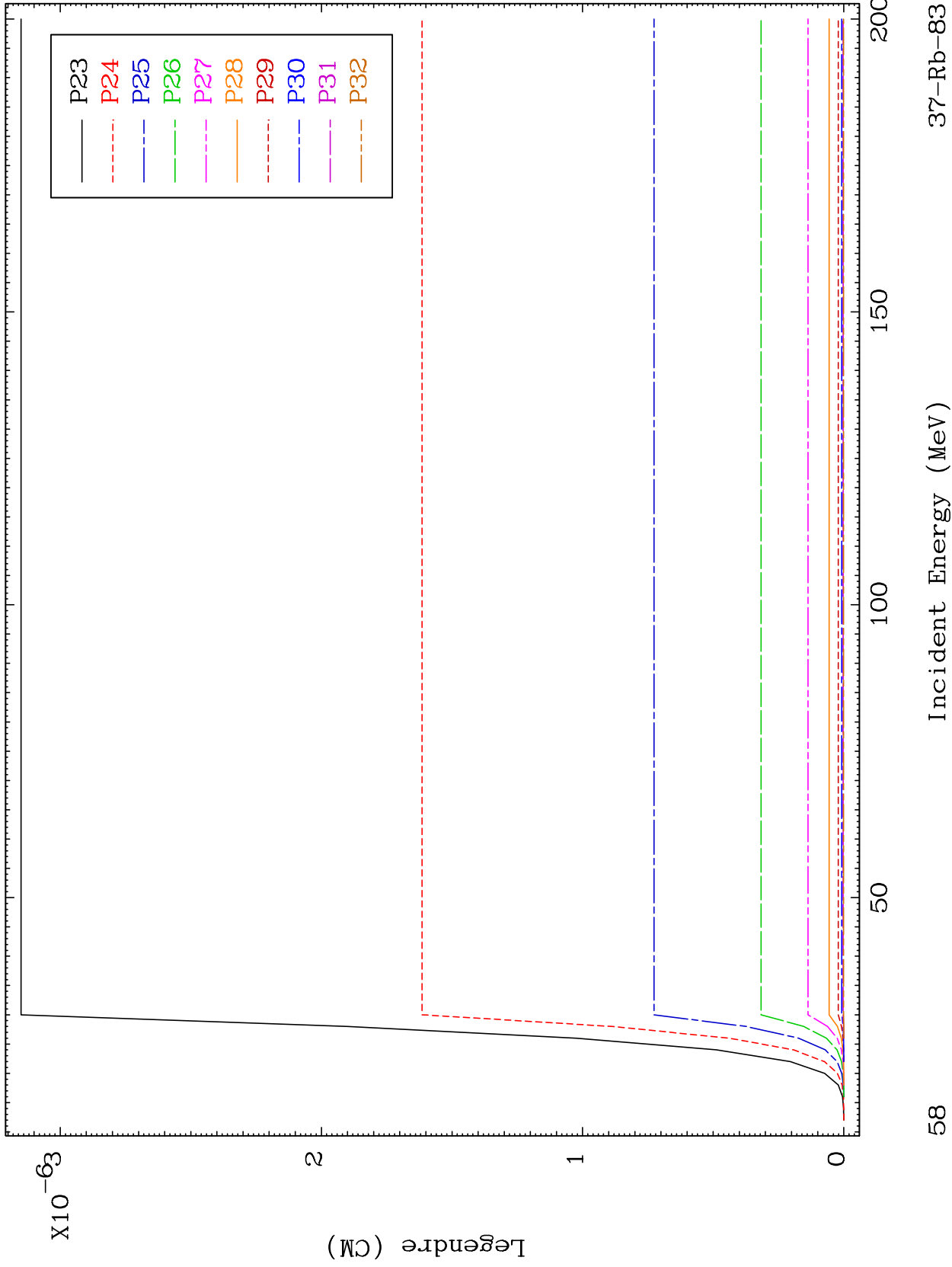
37-Rb-83



MAT 3719

794.0 keV (n, n') Level  
Legendre Coefficients

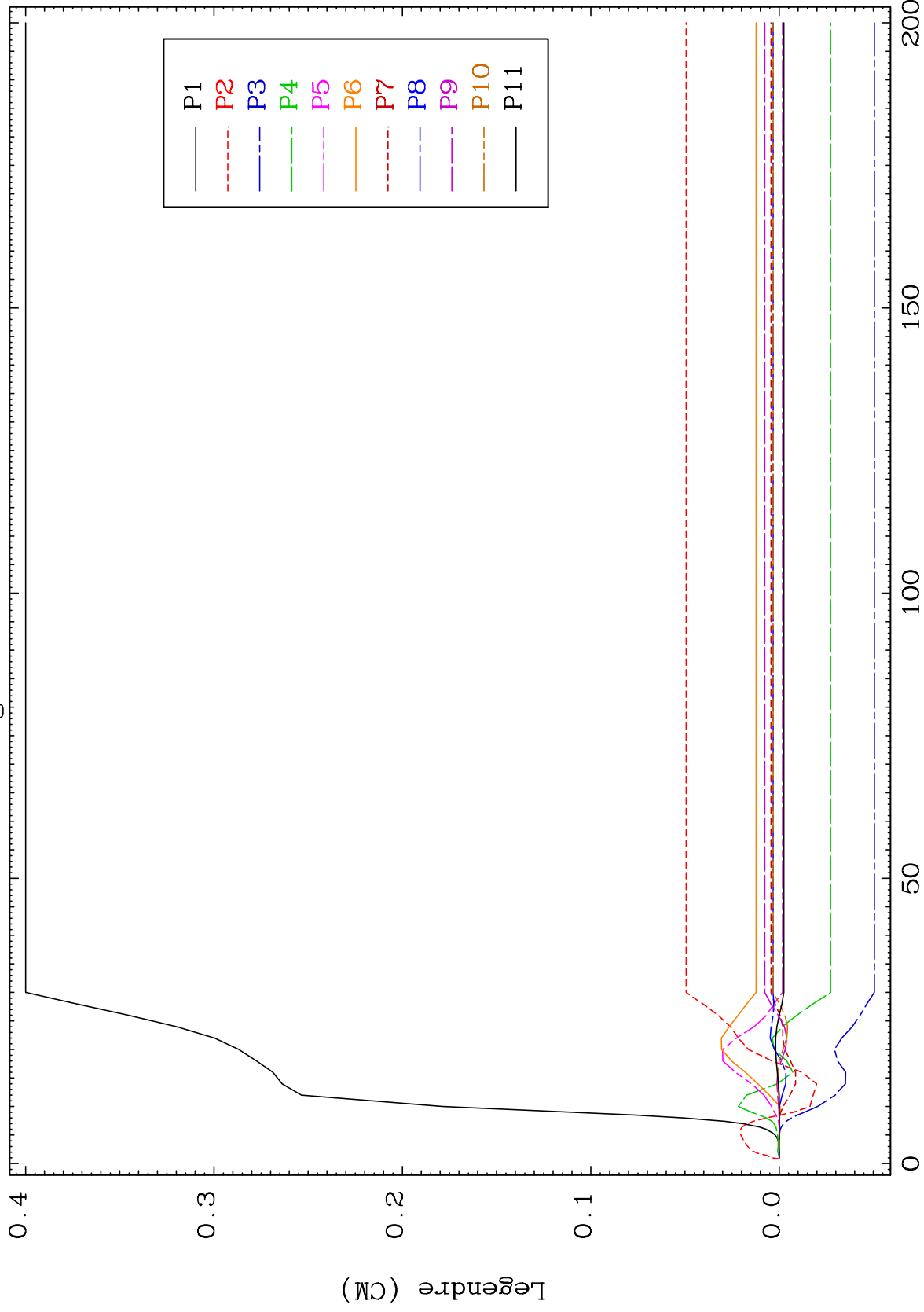
37-Rb-83

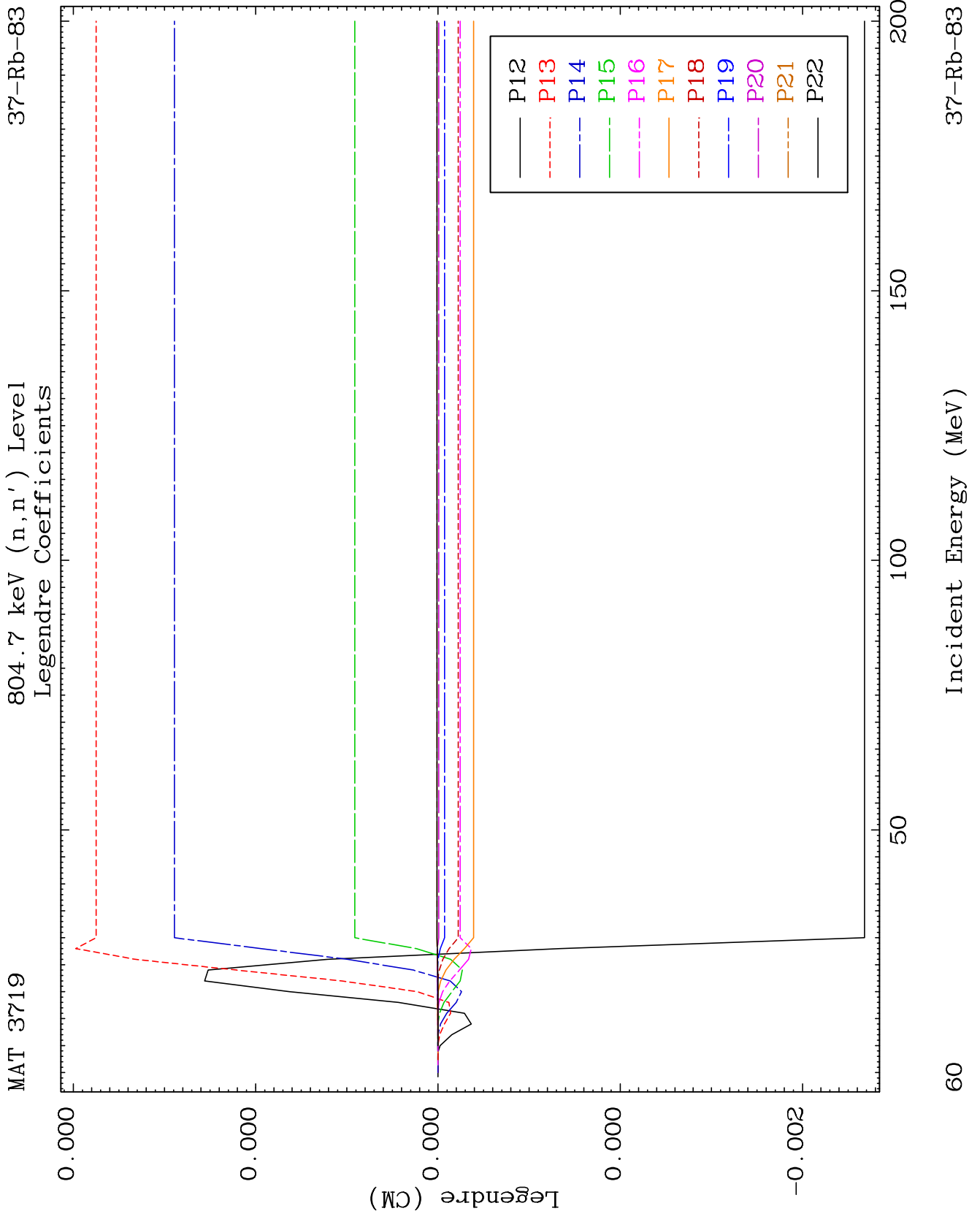


58

Incident Energy (MeV)

37-Rb-83

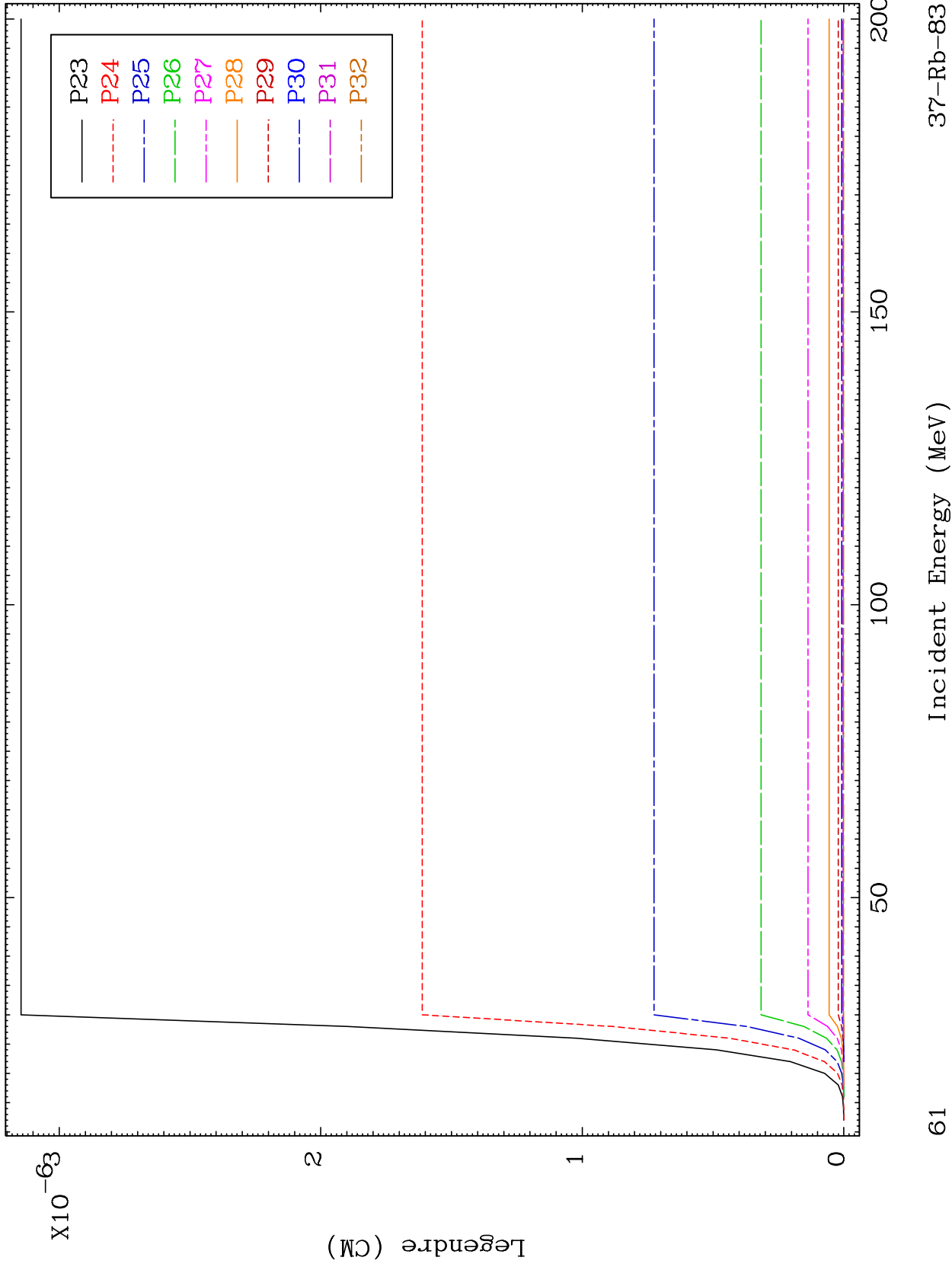




MAT 3719

804.7 keV (n, n') Level  
Legendre Coefficients

37-Rb-83



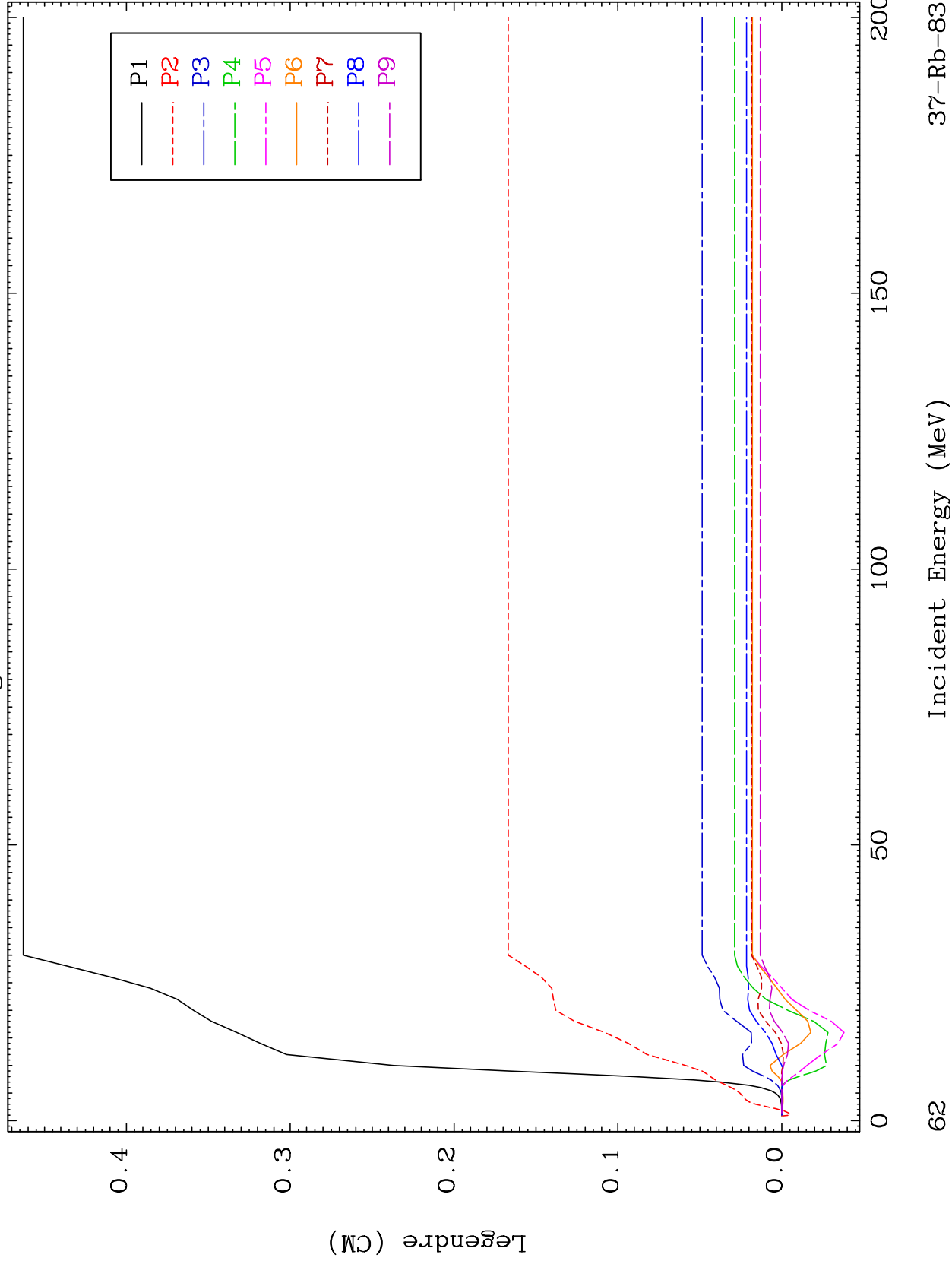
61

37-Rb-83

MAT 3719

829.0 keV (n,n') Level  
Legendre Coefficients

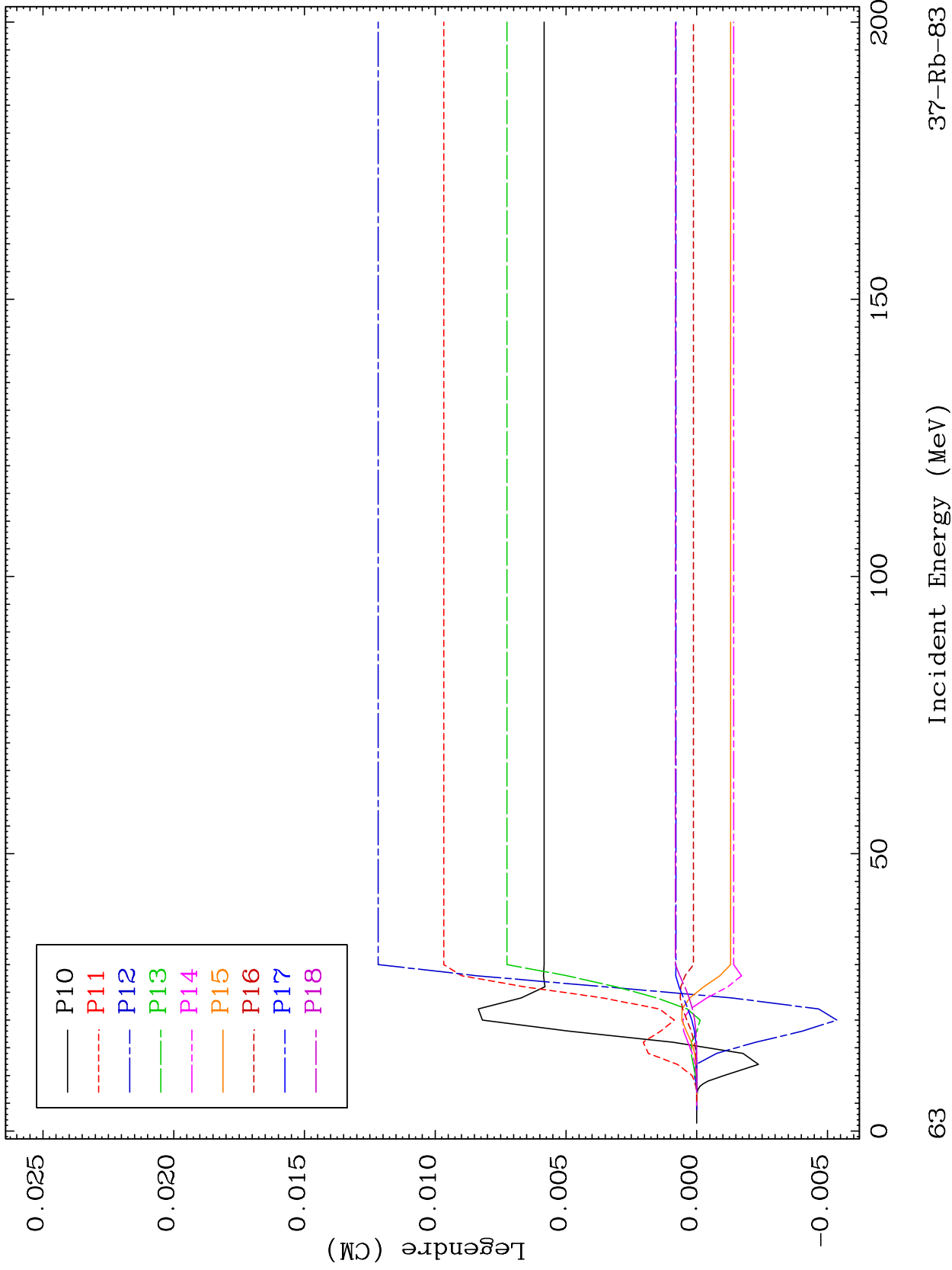
37-Rb-83



MAT 3719

829.0 keV (n,n') Level  
Legendre Coefficients

37-Rb-83



63

Incident Energy (MeV)

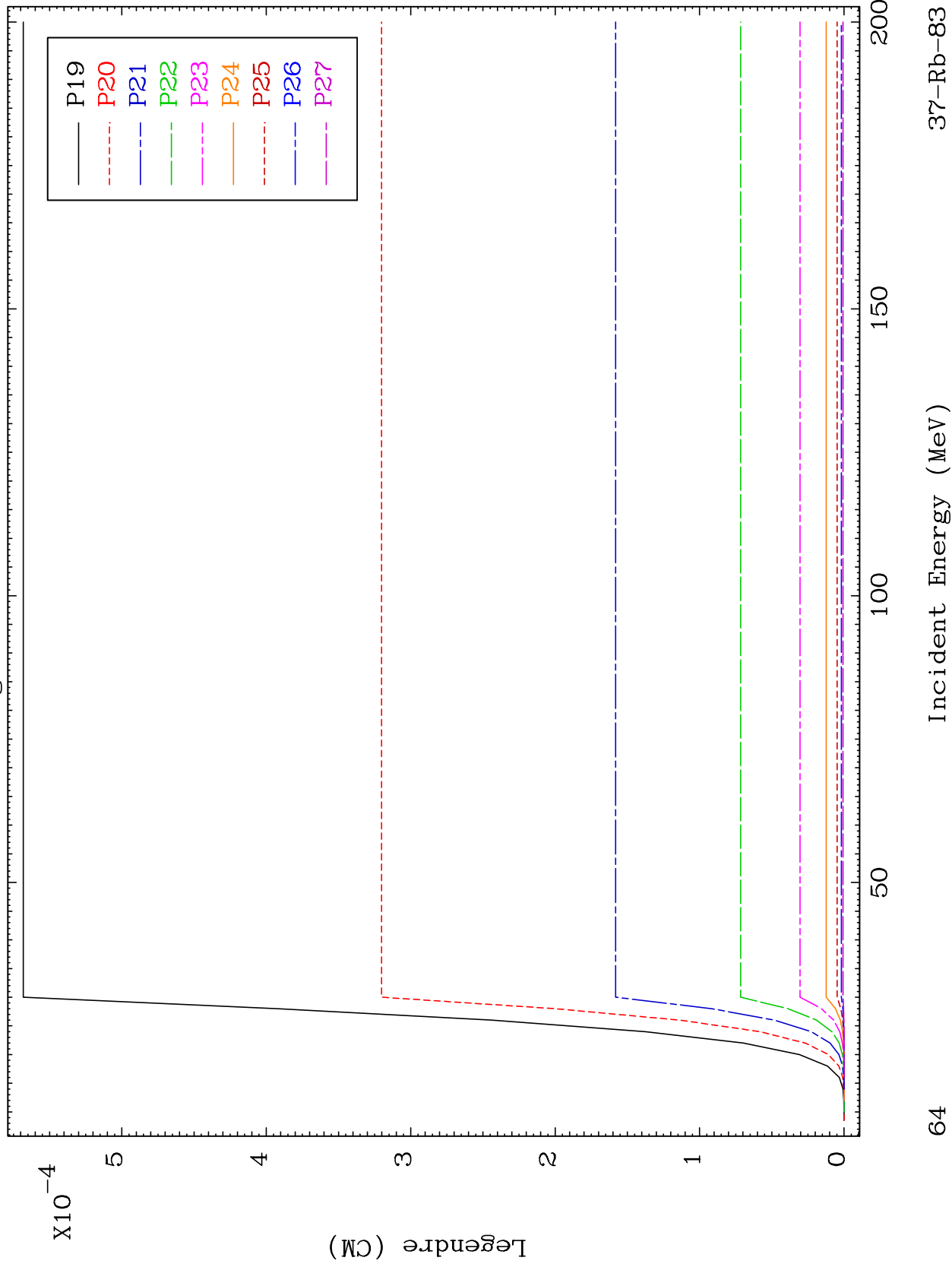
37-Rb-83



MAT 3719

829.0 keV (n,n') Level  
Legendre Coefficients

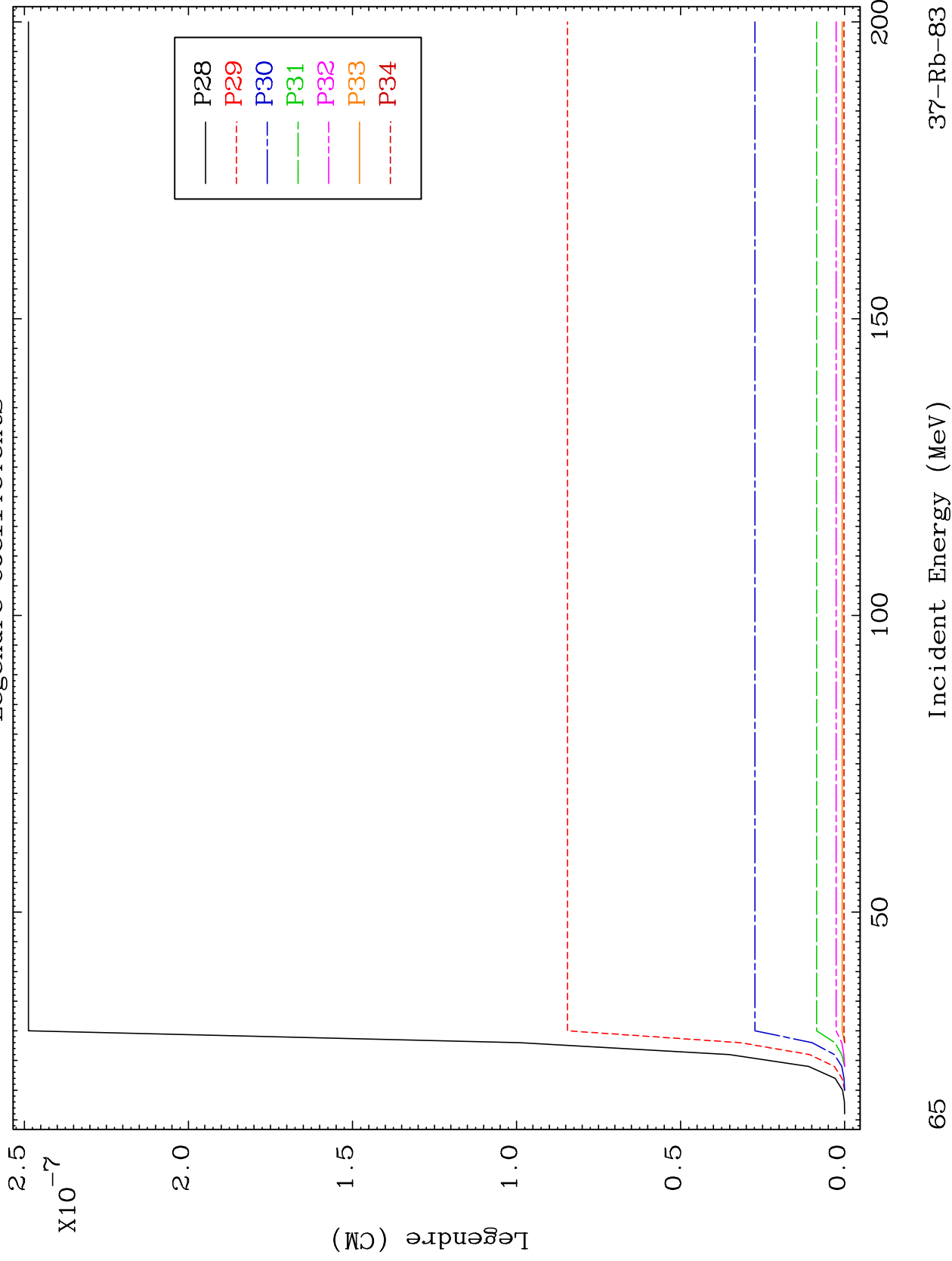
37-Rb-83



MAT 3719

829.0 keV (n,n') Level  
Legendre Coefficients

37-Rb-83



65

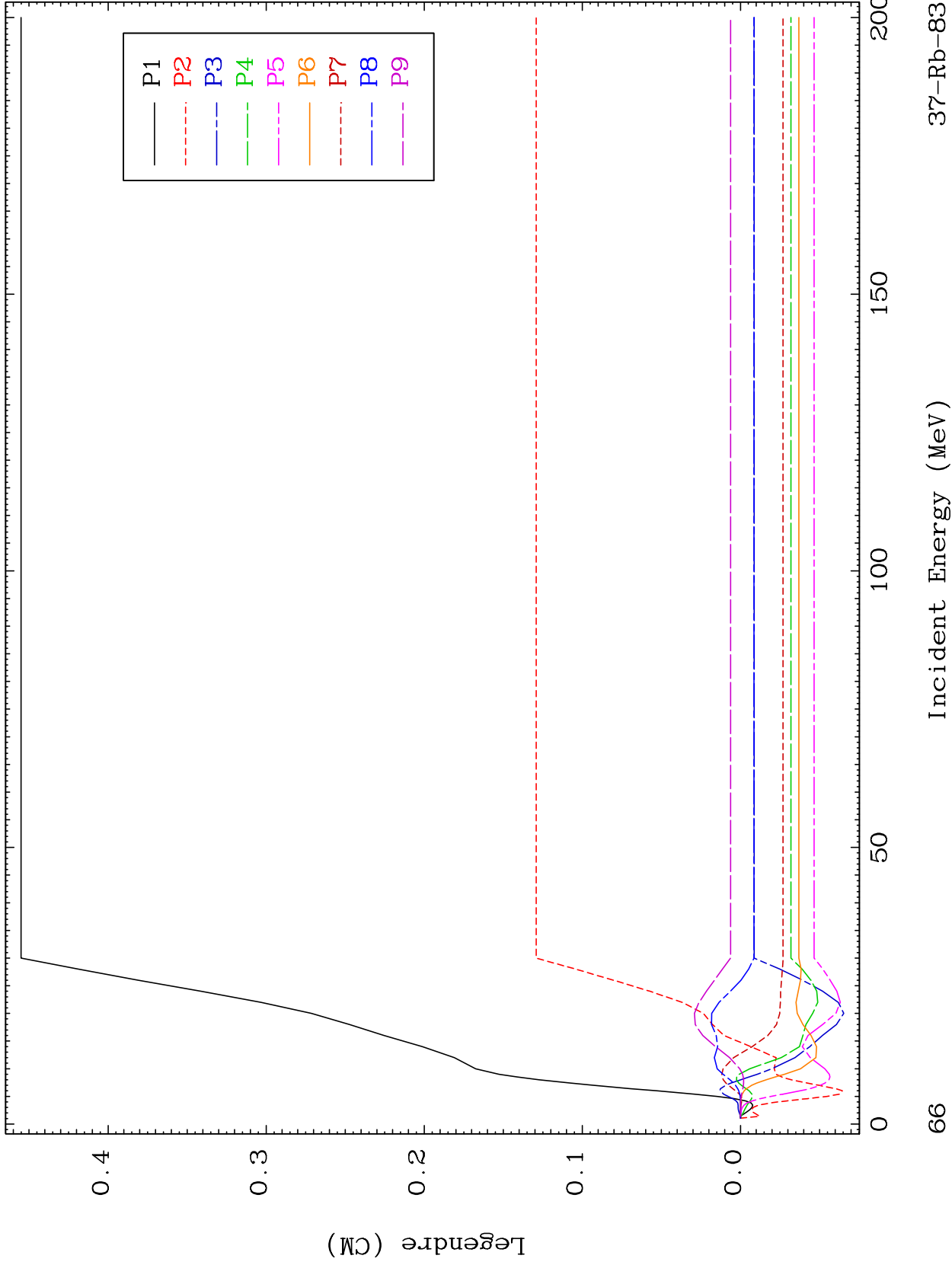
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.036 MeV (n,n') Level  
Legendre Coefficients

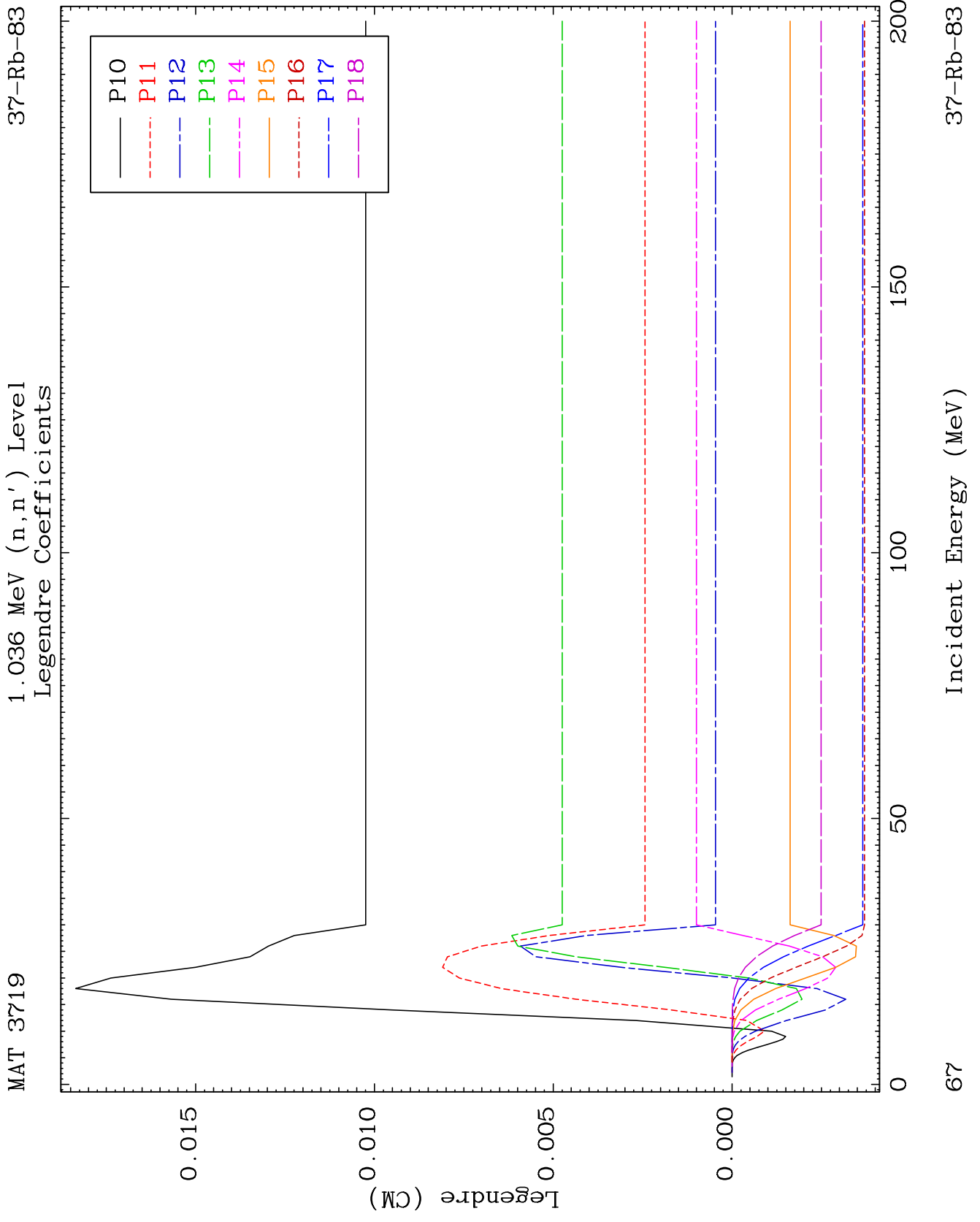
37-Rb-83

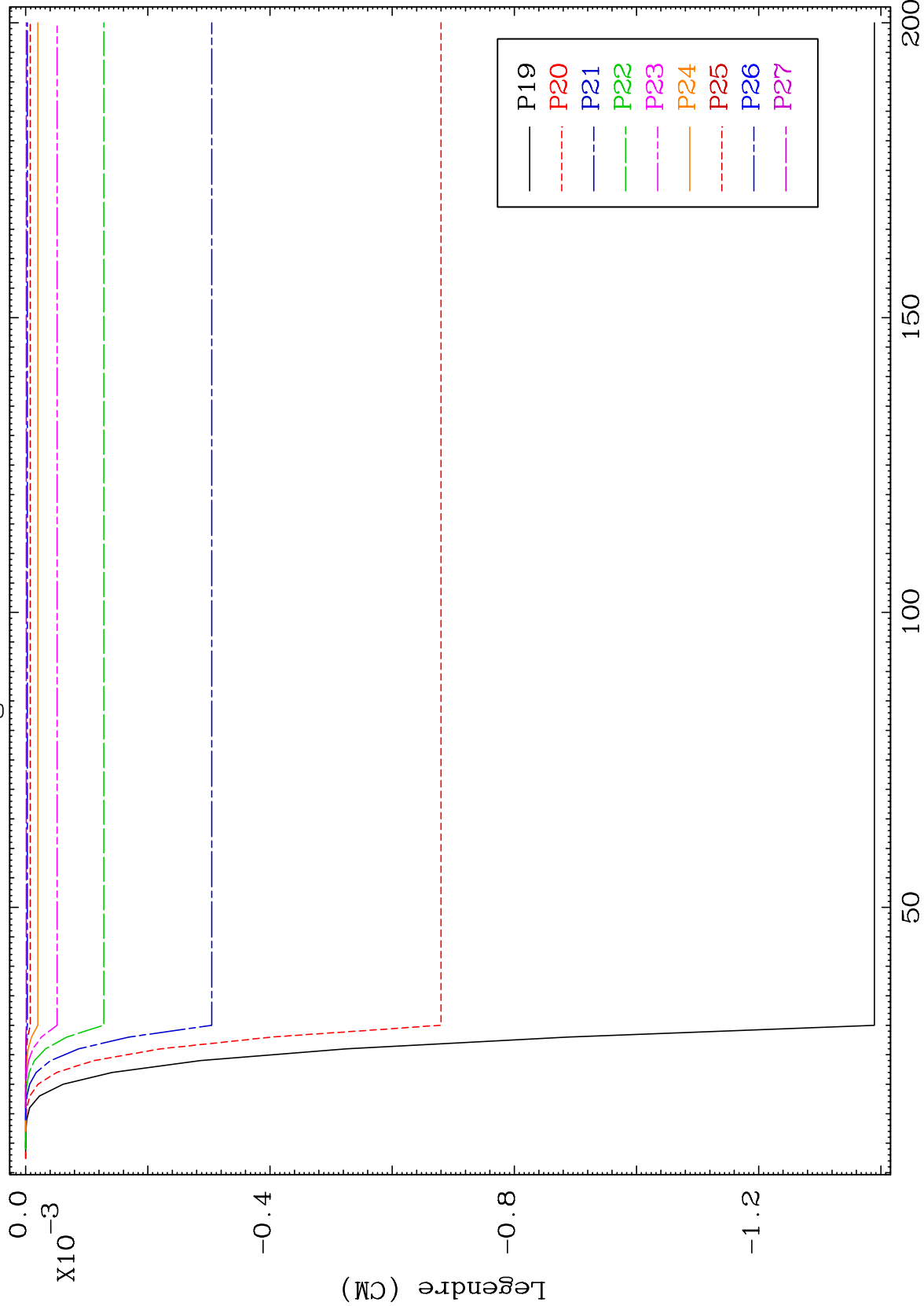


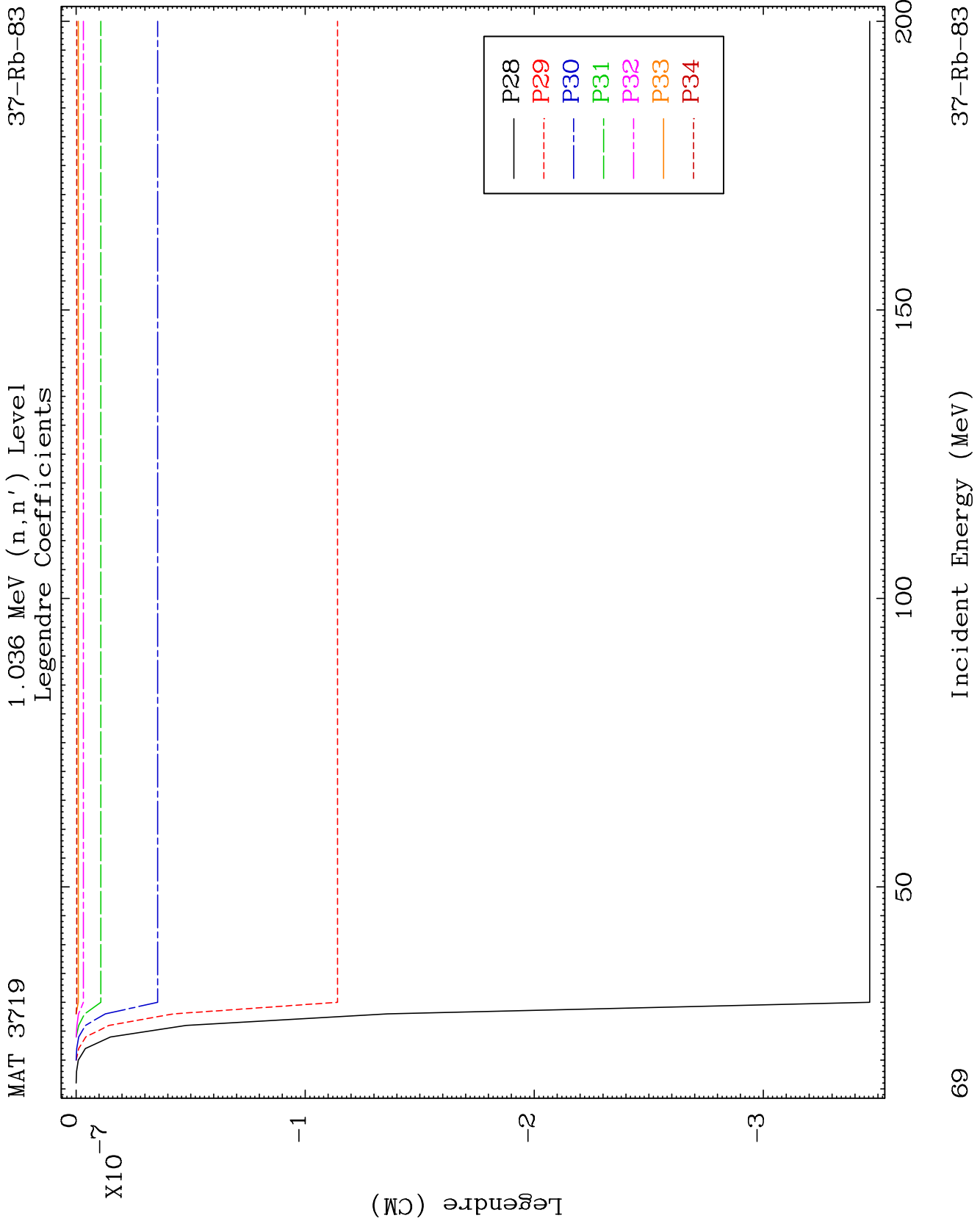
66

Incident Energy (MeV)

37-Rb-83



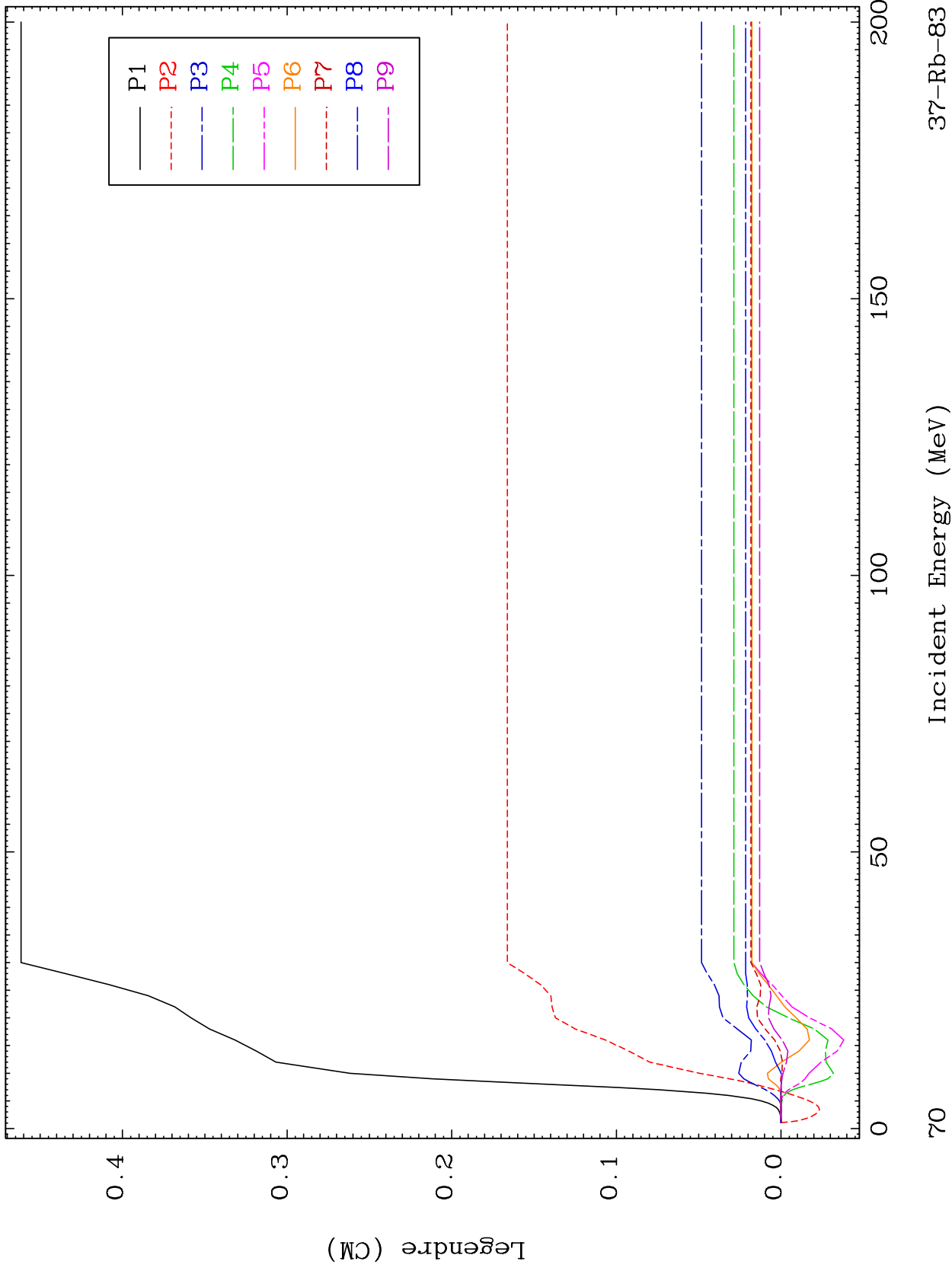




MAT 3719

1.038 MeV (n,n') Level  
Legendre Coefficients

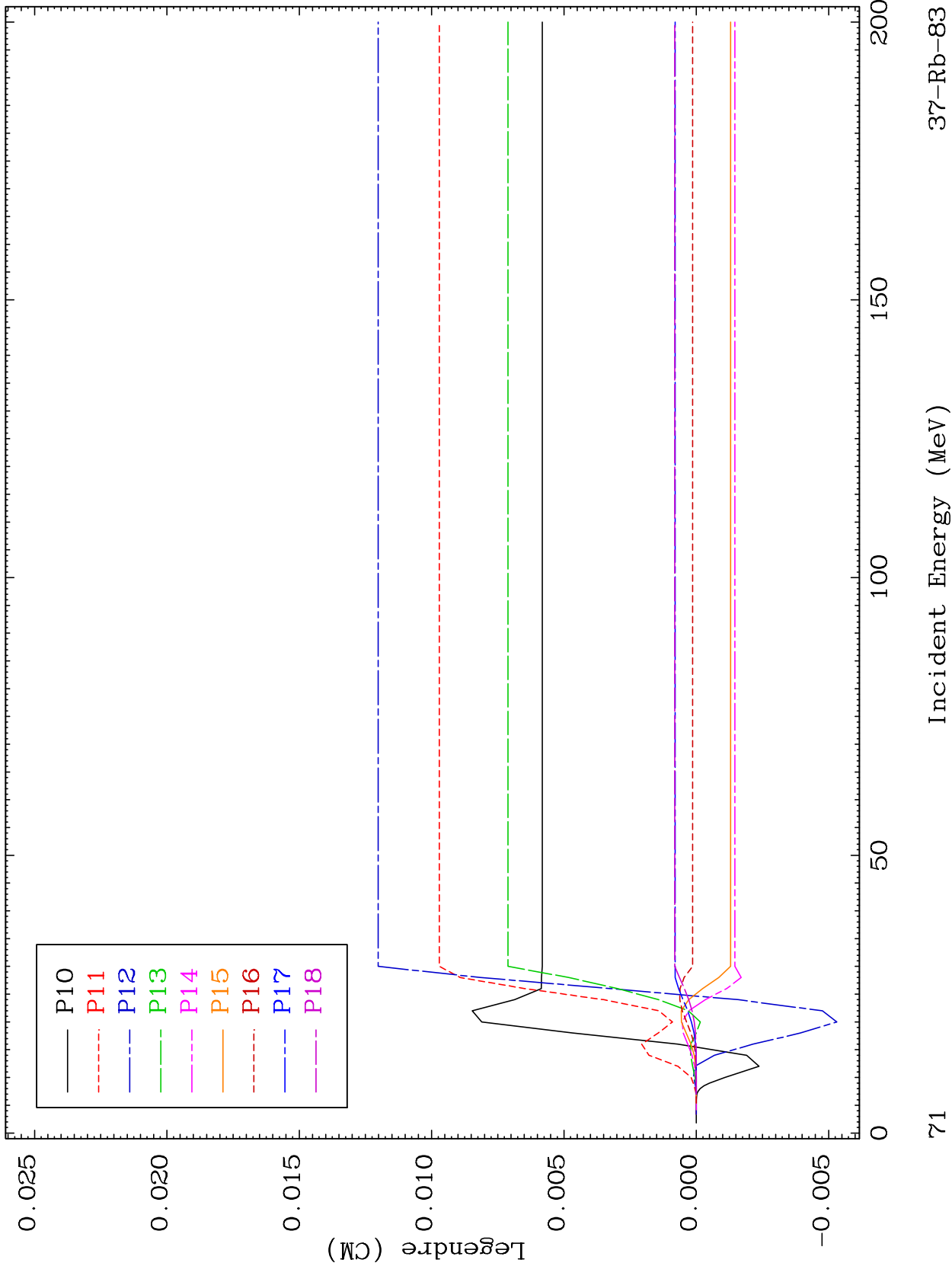
37-Rb-83



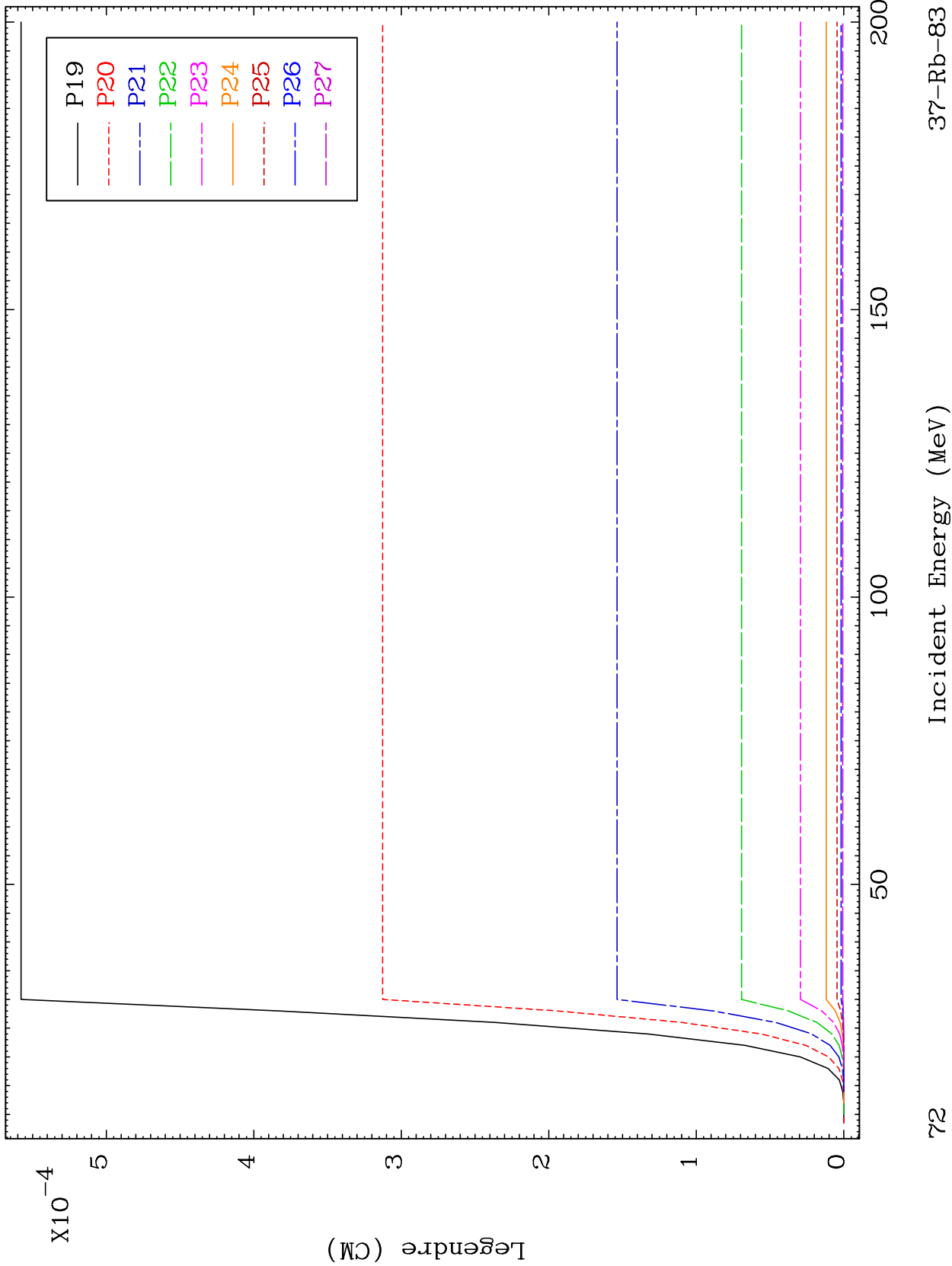
37-Rb-83

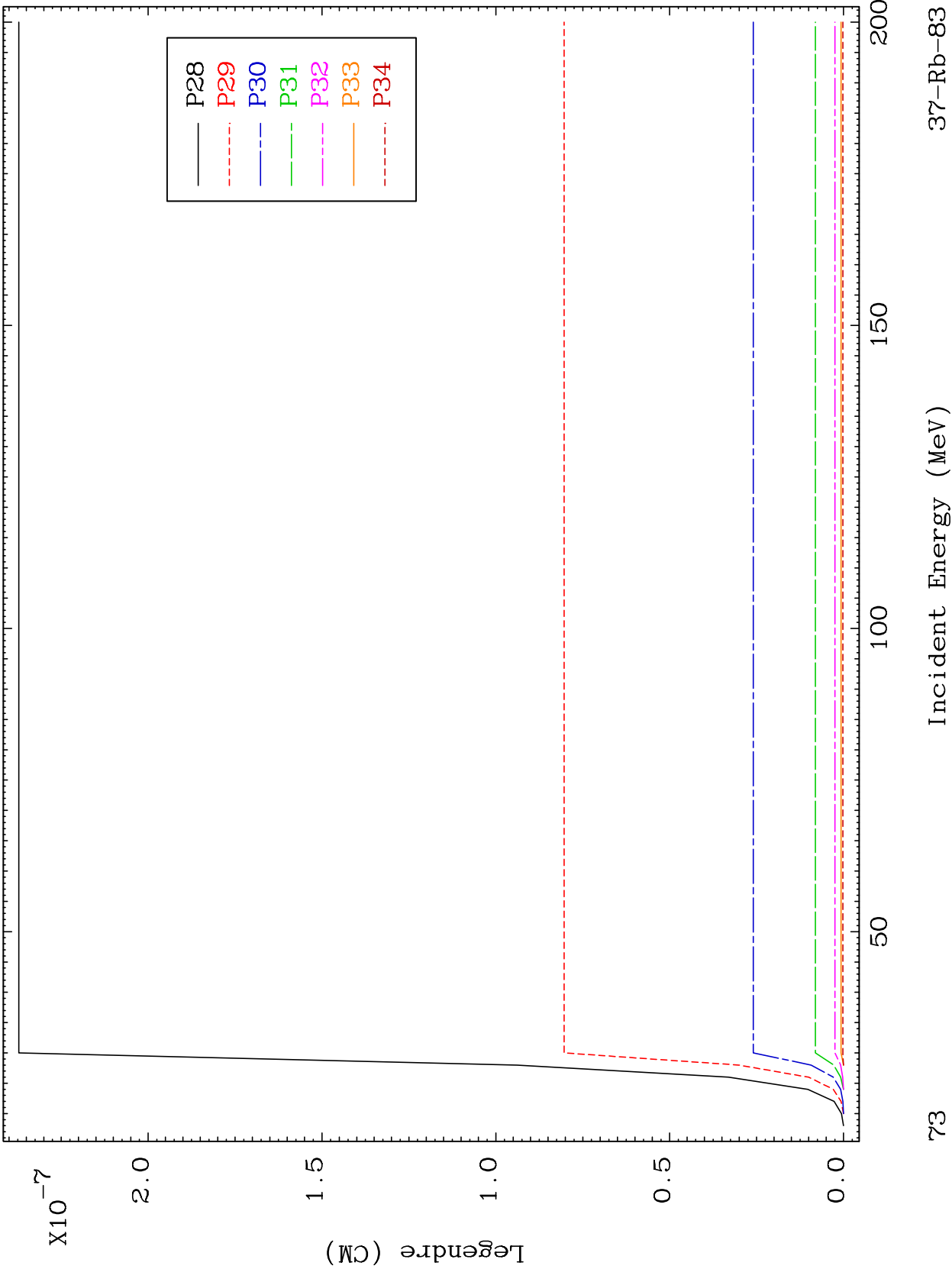
Incident Energy (MeV)

70





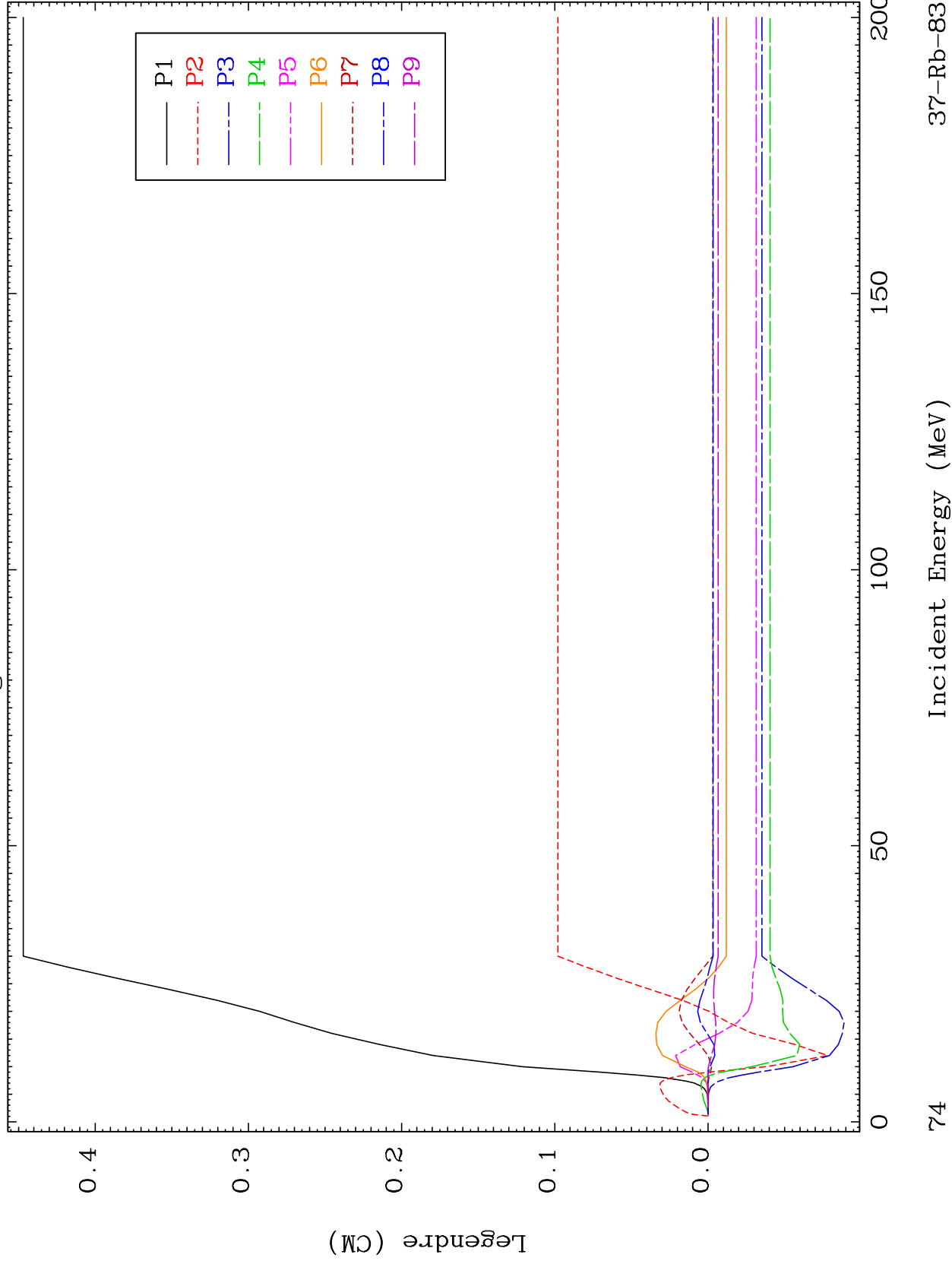




MAT 3719

1.044 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



37-Rb-83

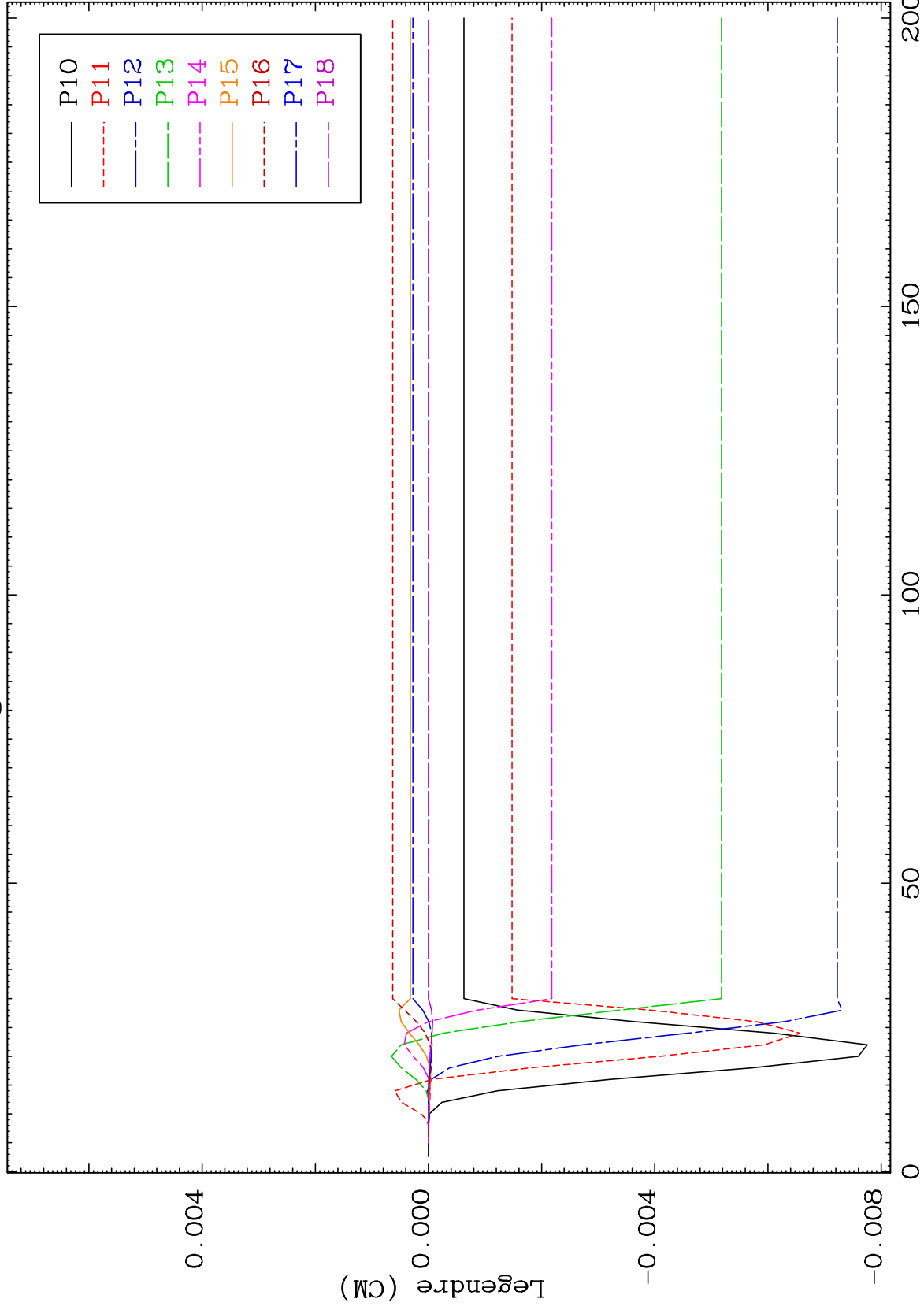
Incident Energy (MeV)

74

MAT 3719

1.044 MeV (n,n') Level  
Legendre Coefficients

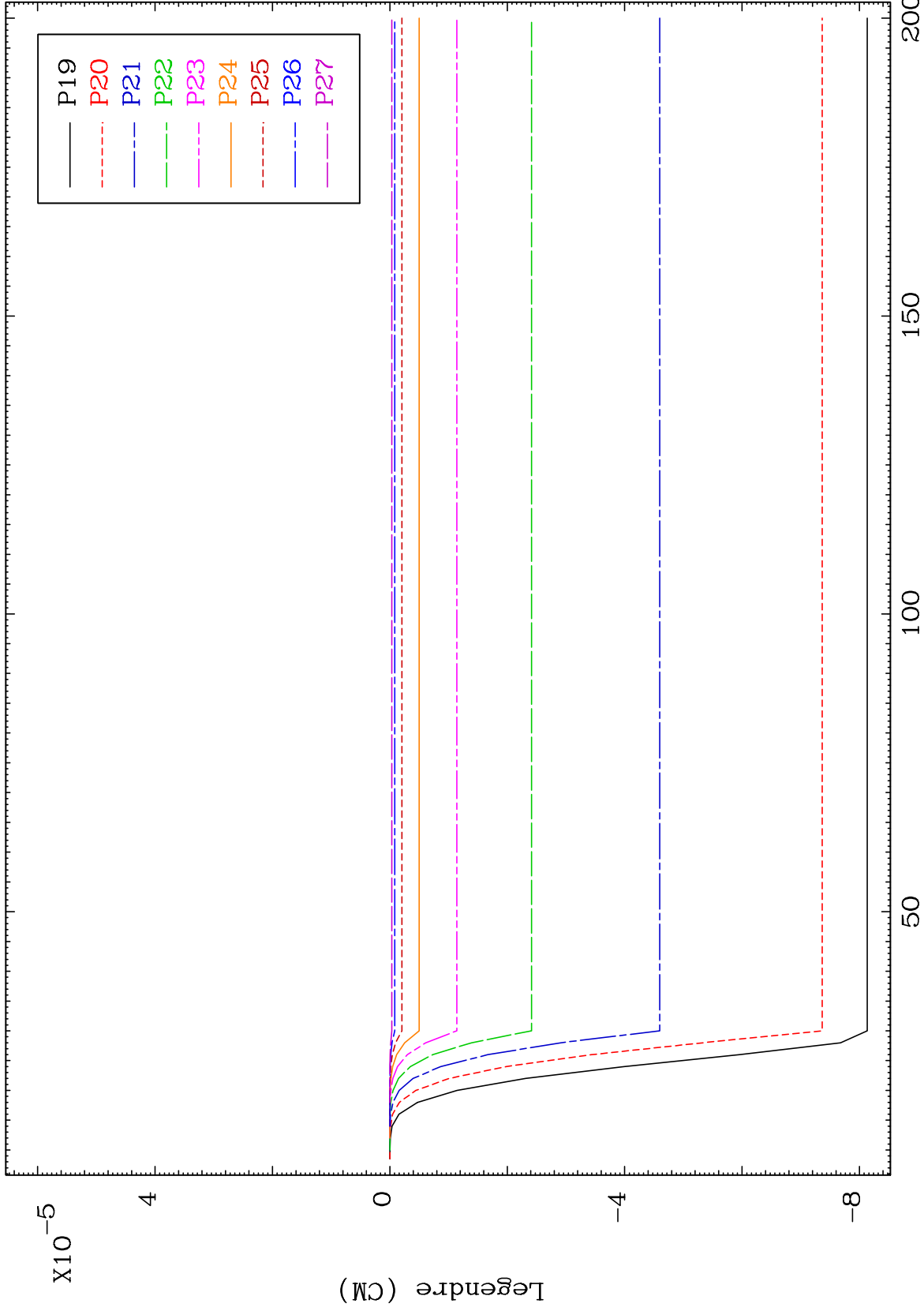
37-Rb-83

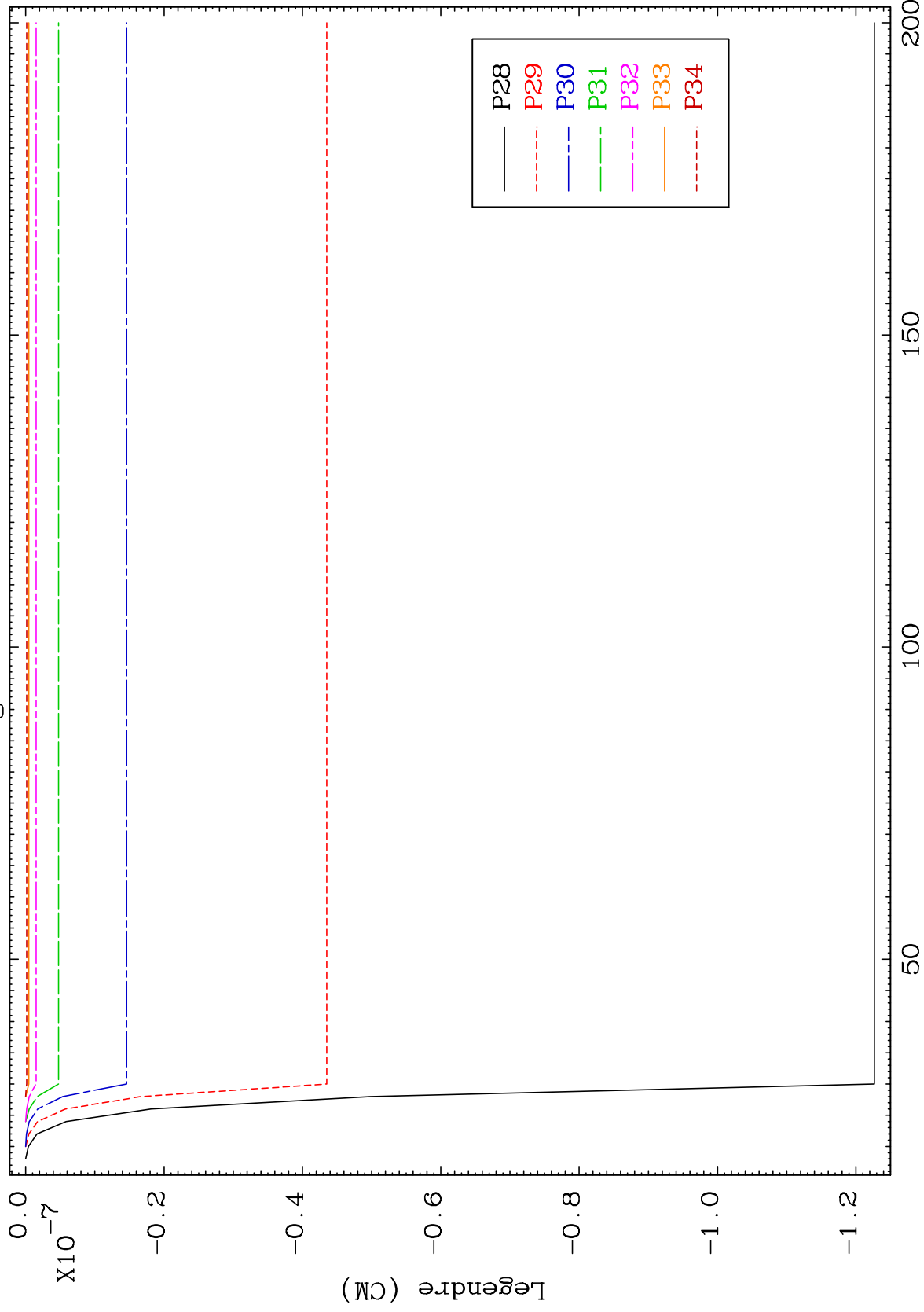


75

Incident Energy (MeV)

37-Rb-83

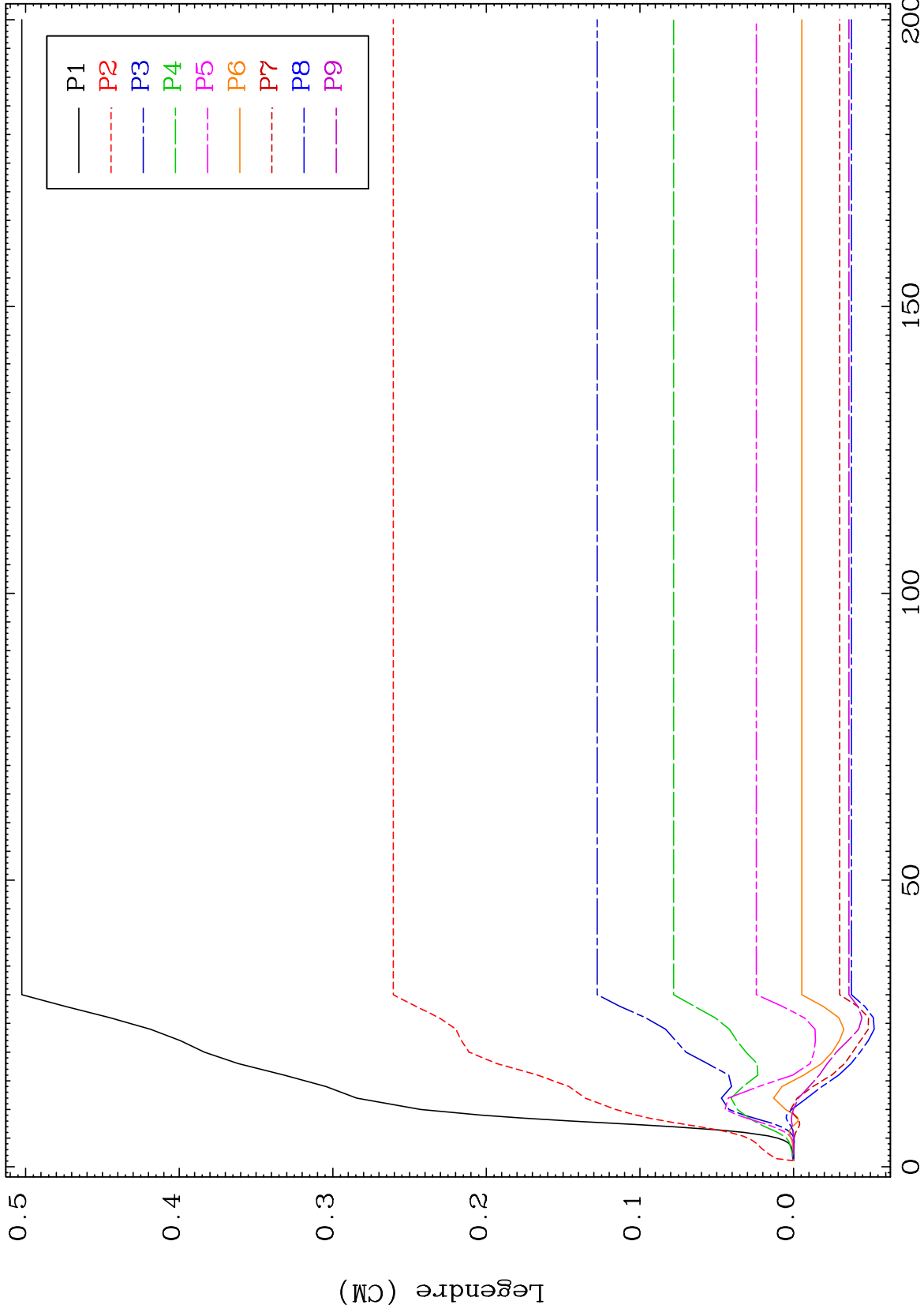




MAT 3719

1.054 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



78

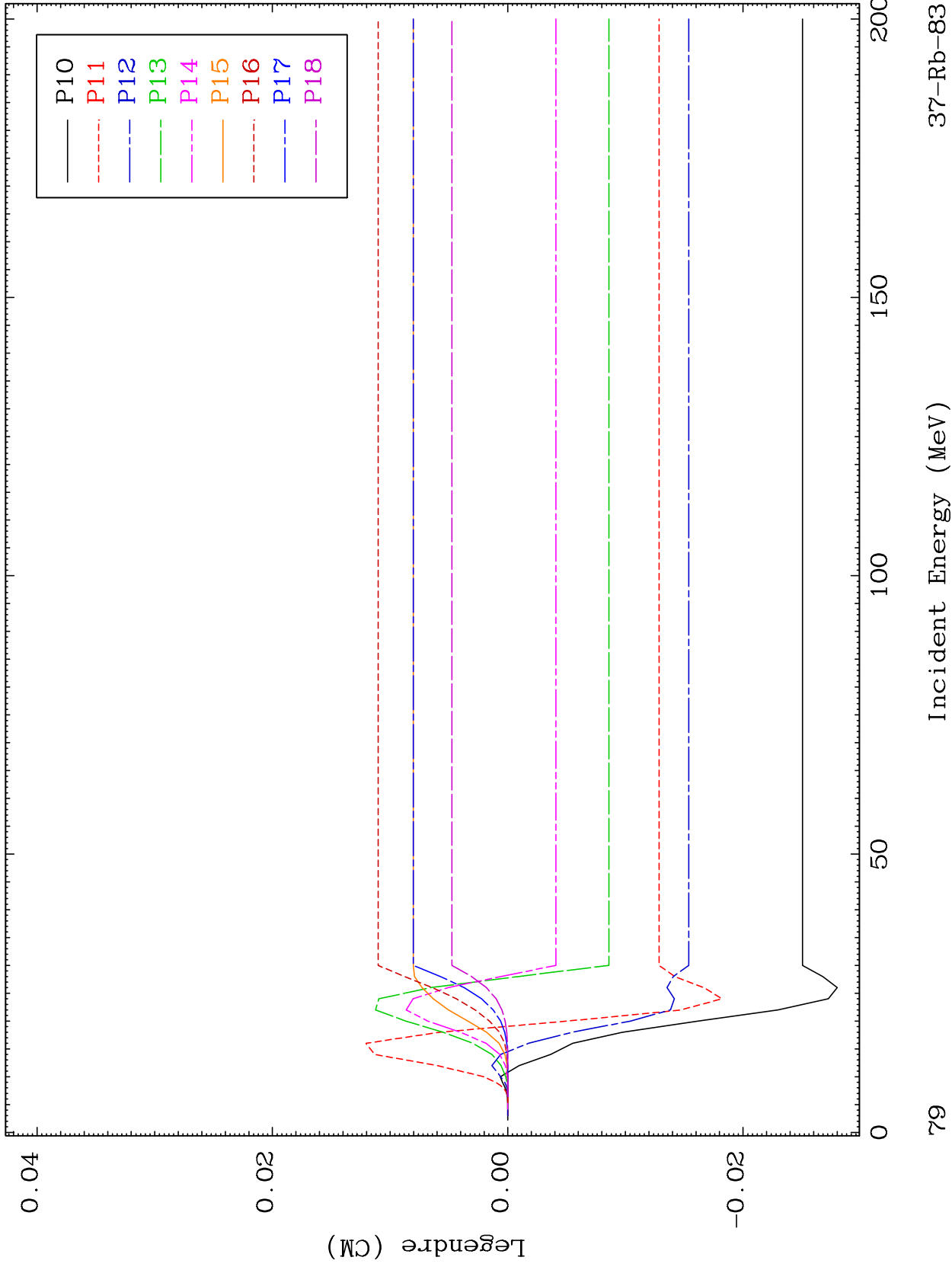
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.054 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



79

Incident Energy (MeV)

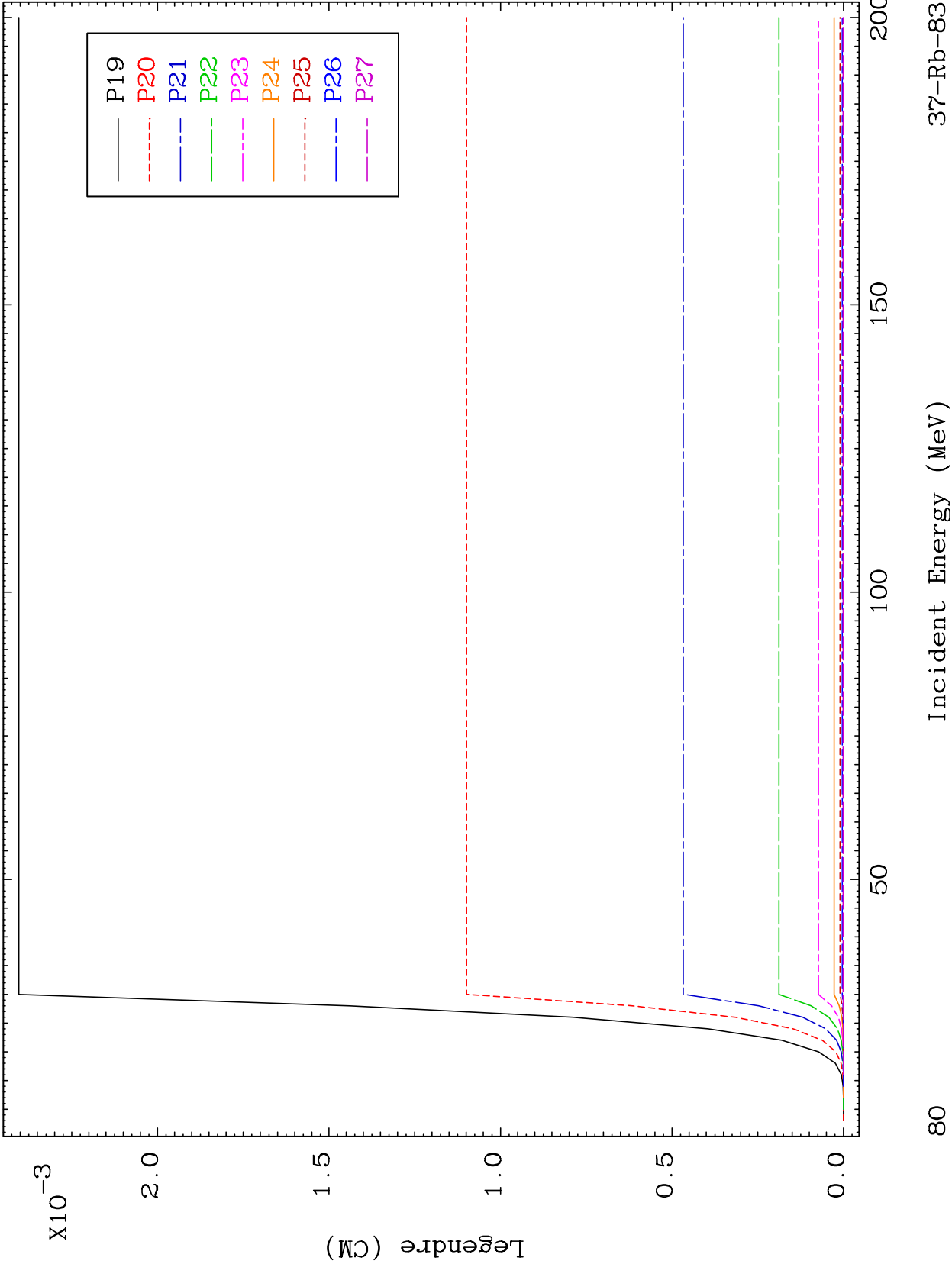
37-Rb-83



MAT 3719

1.054 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



80

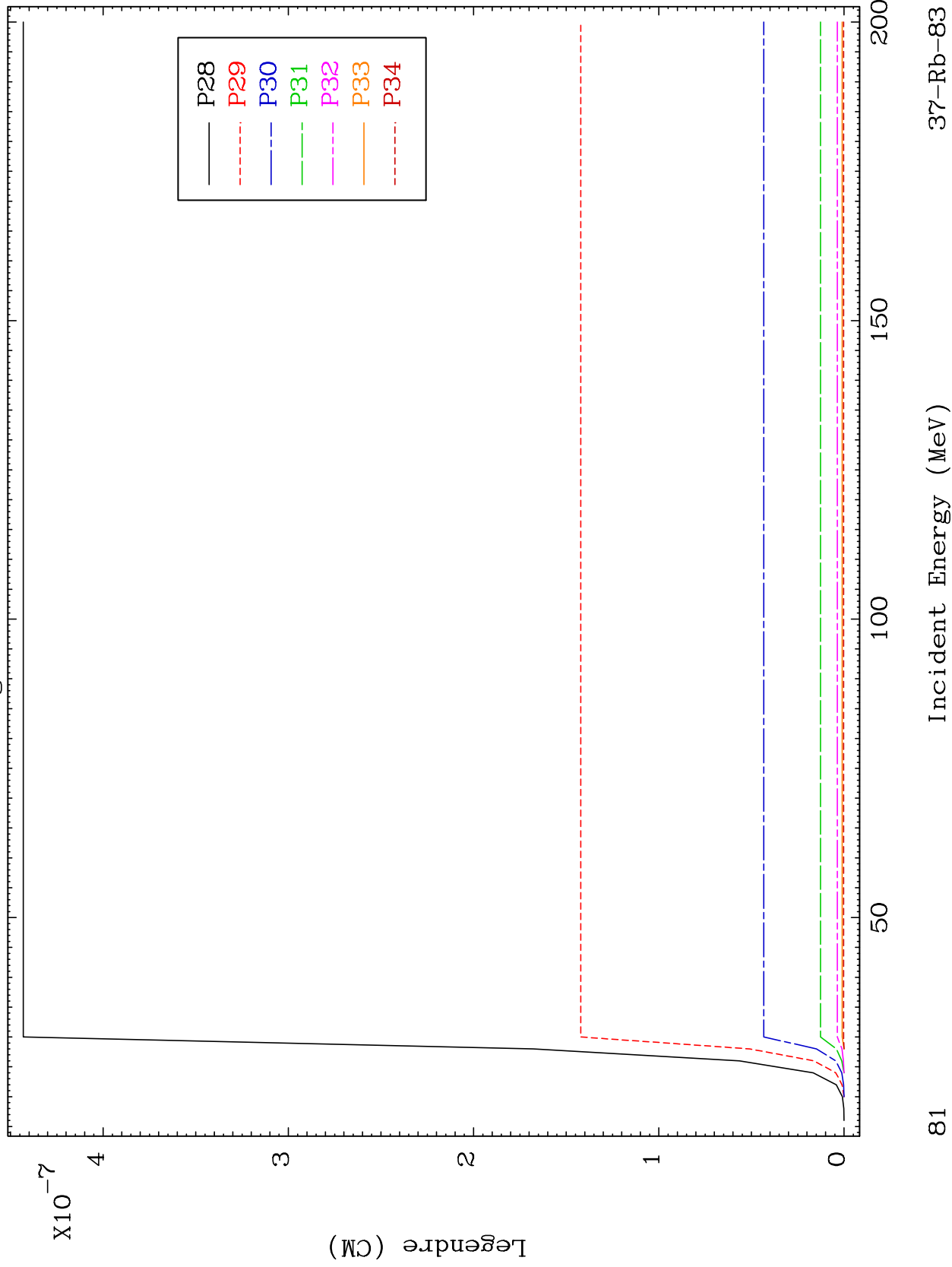
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.054 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



81

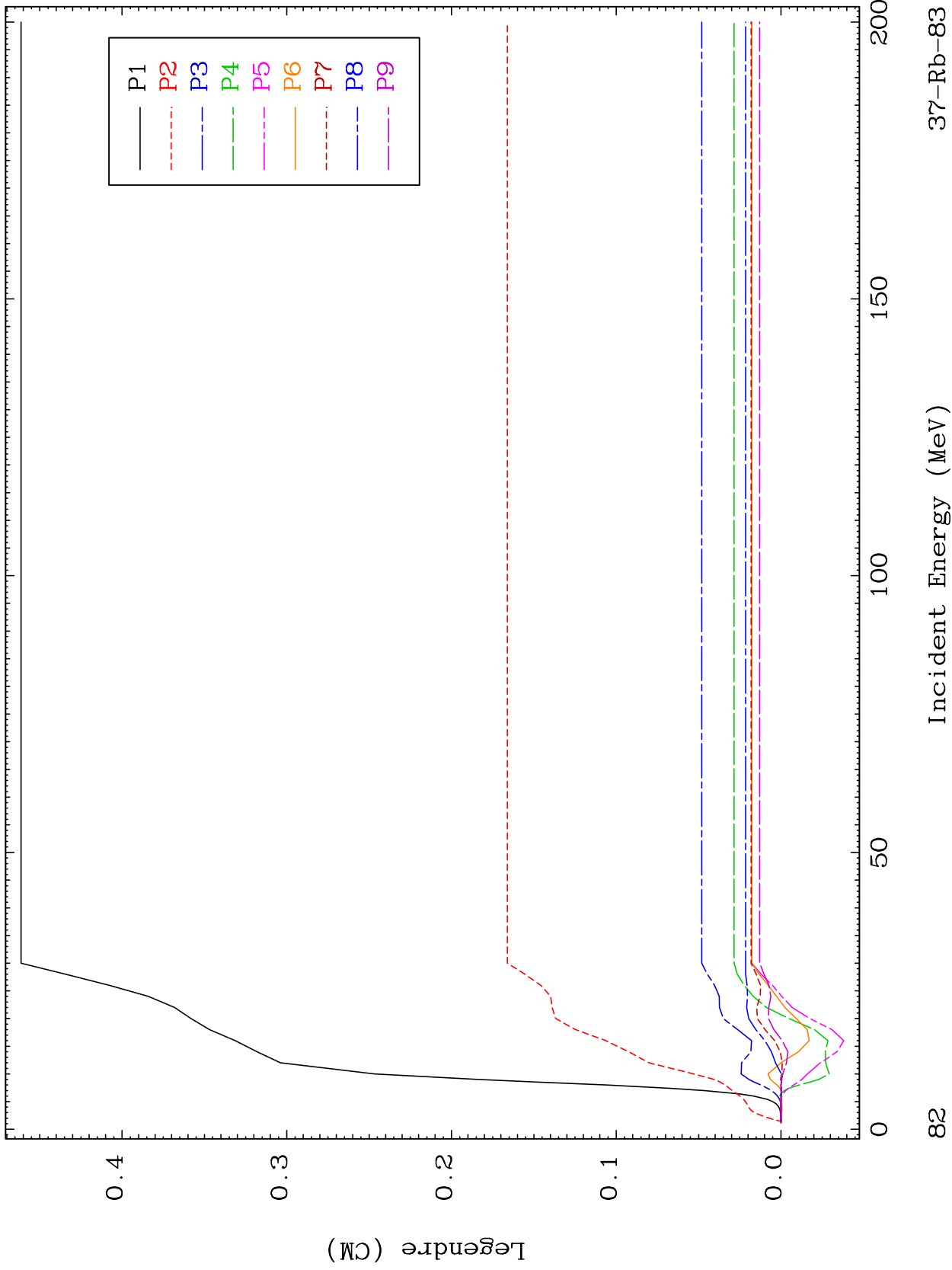
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.083 MeV (n,n') Level  
Legendre Coefficients

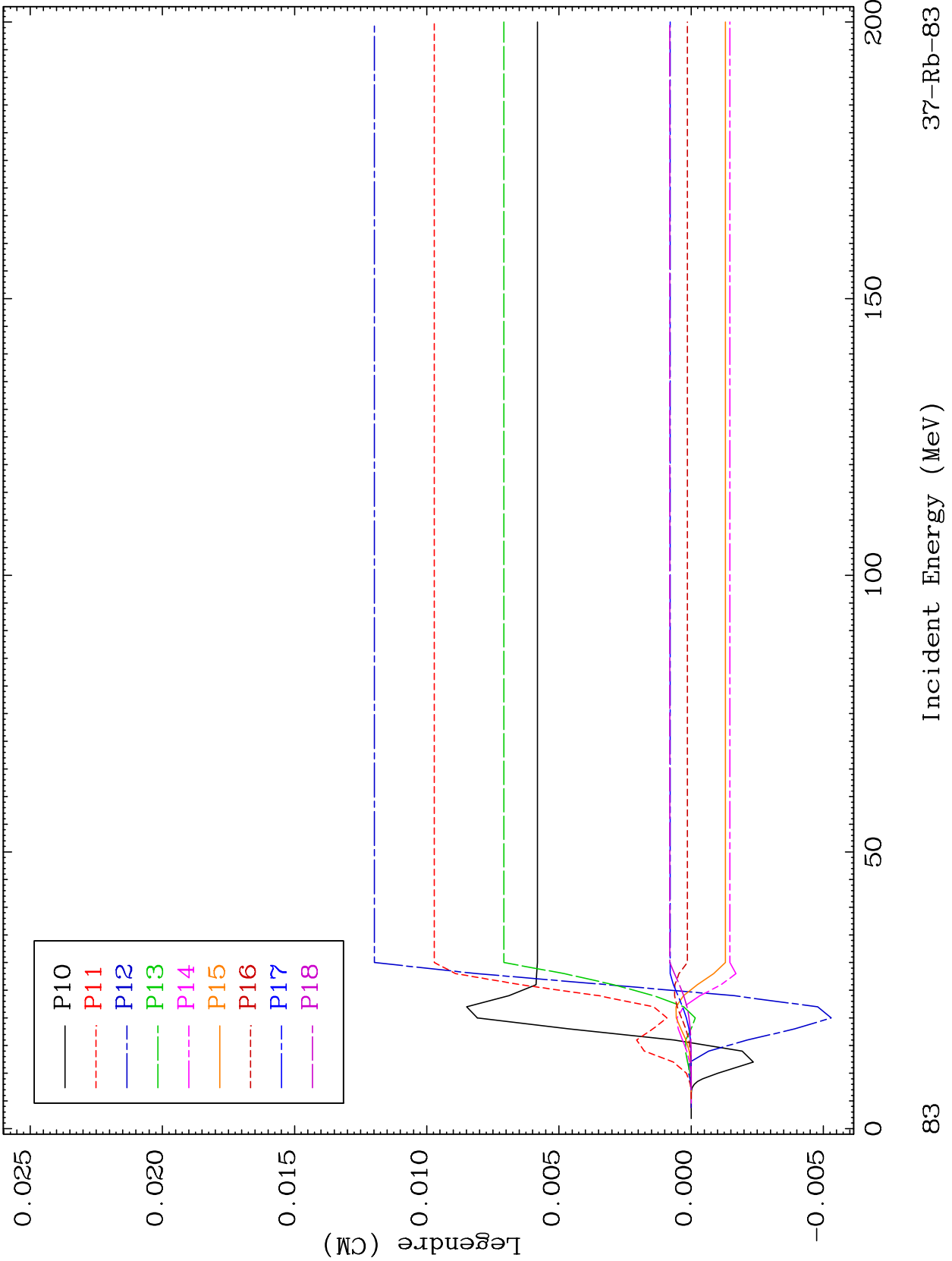
37-Rb-83

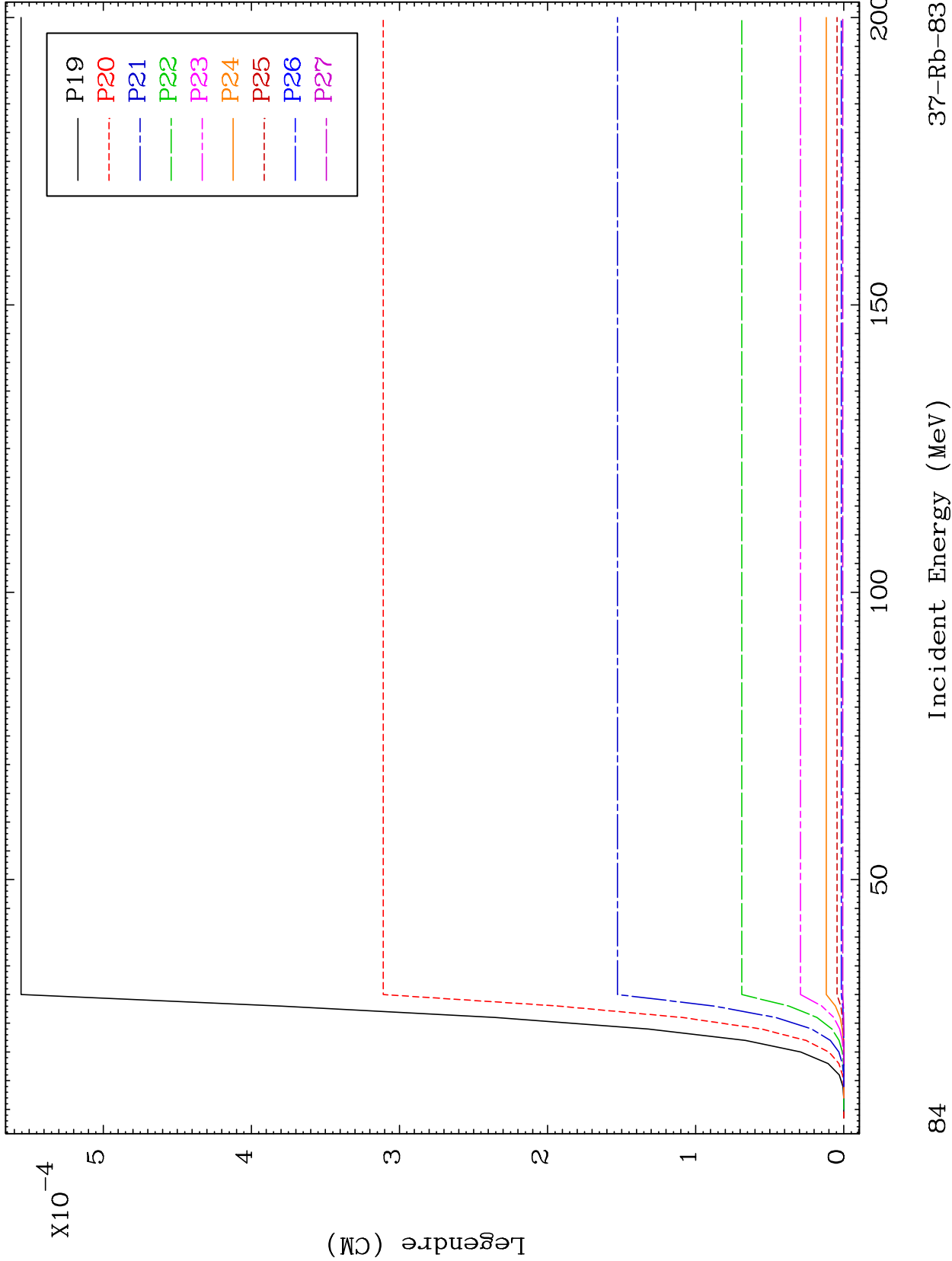


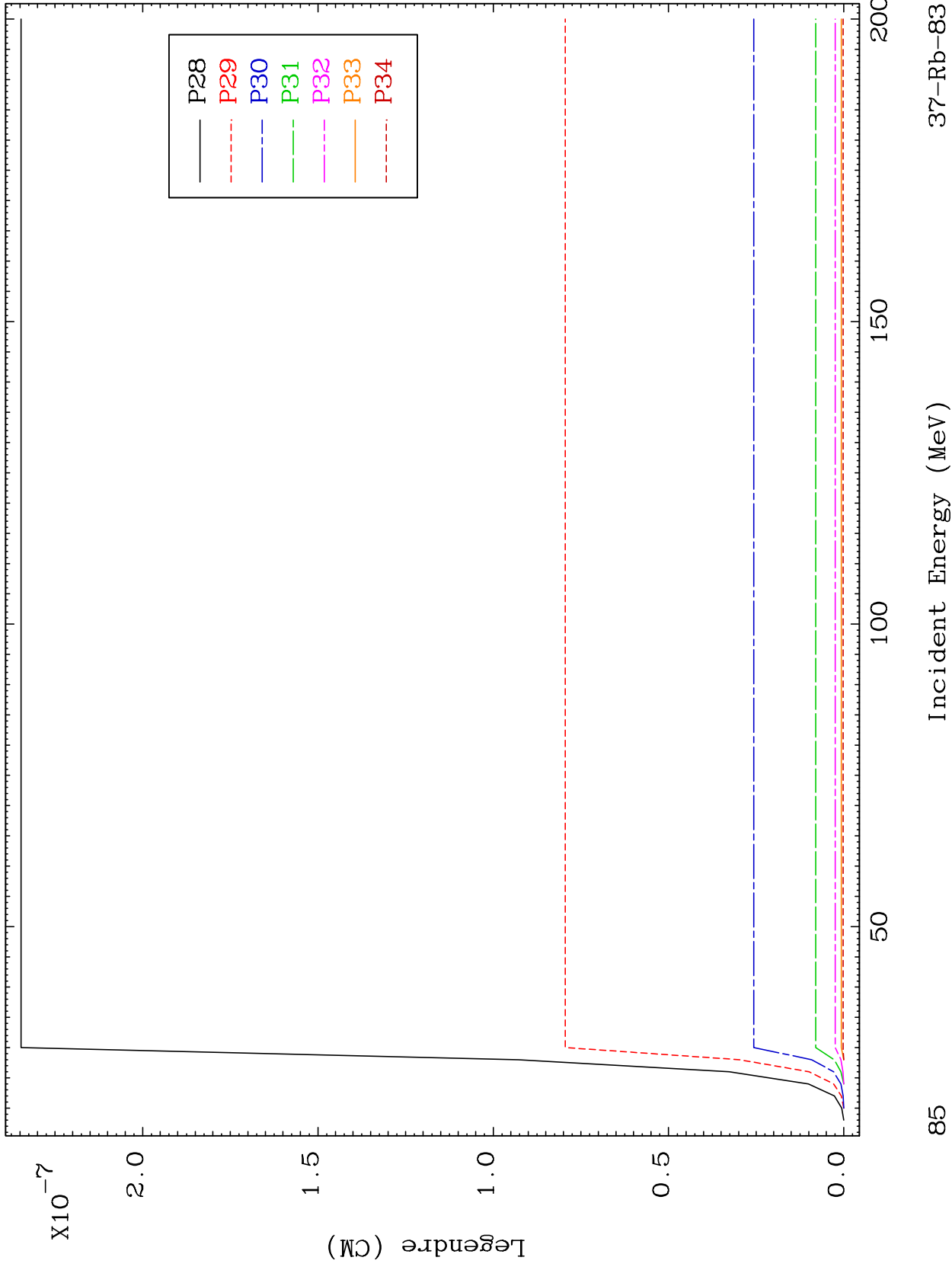
37-Rb-83

Incident Energy (MeV)

82



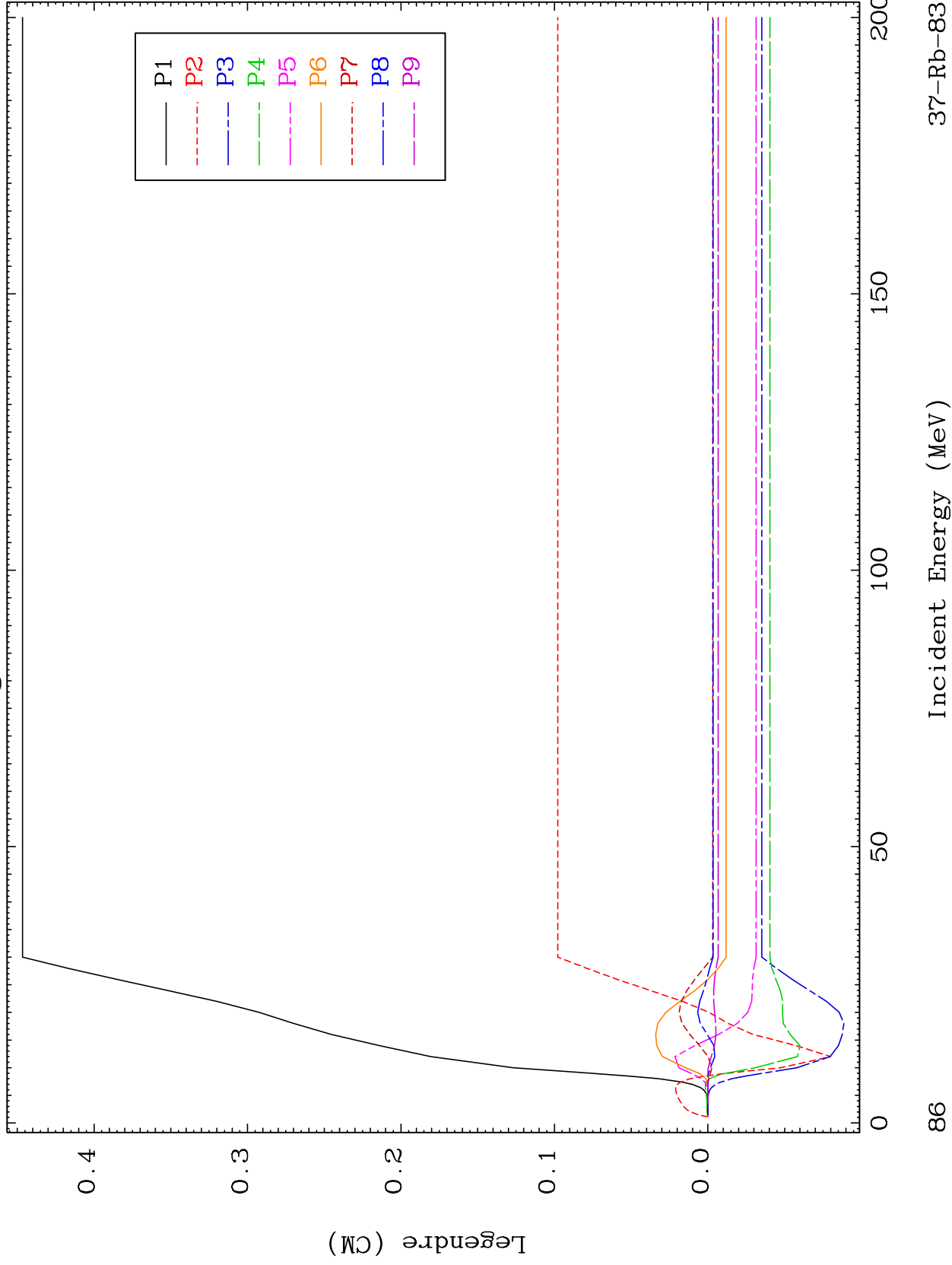




MAT 3719

1.086 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



86

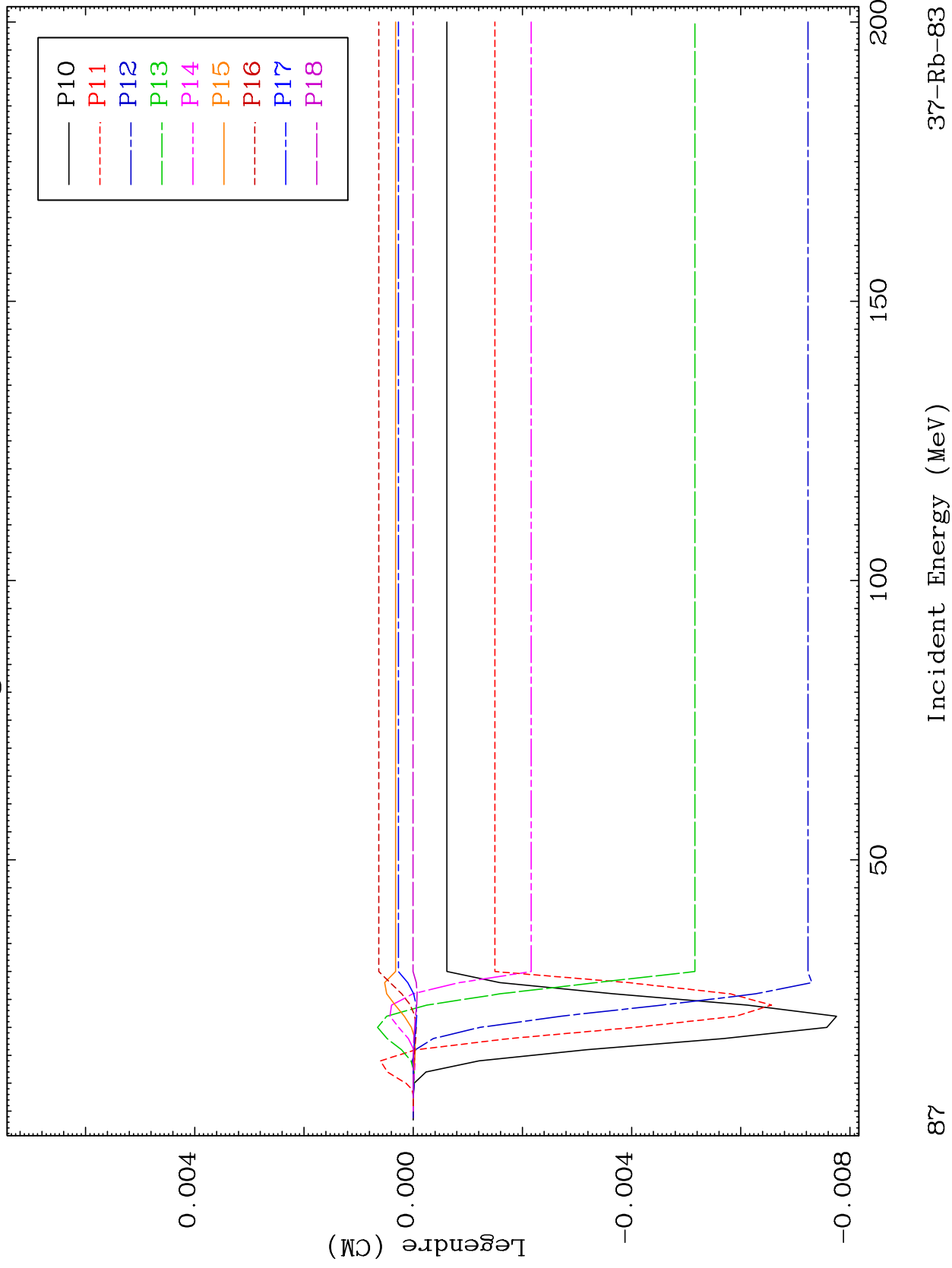
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.086 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83

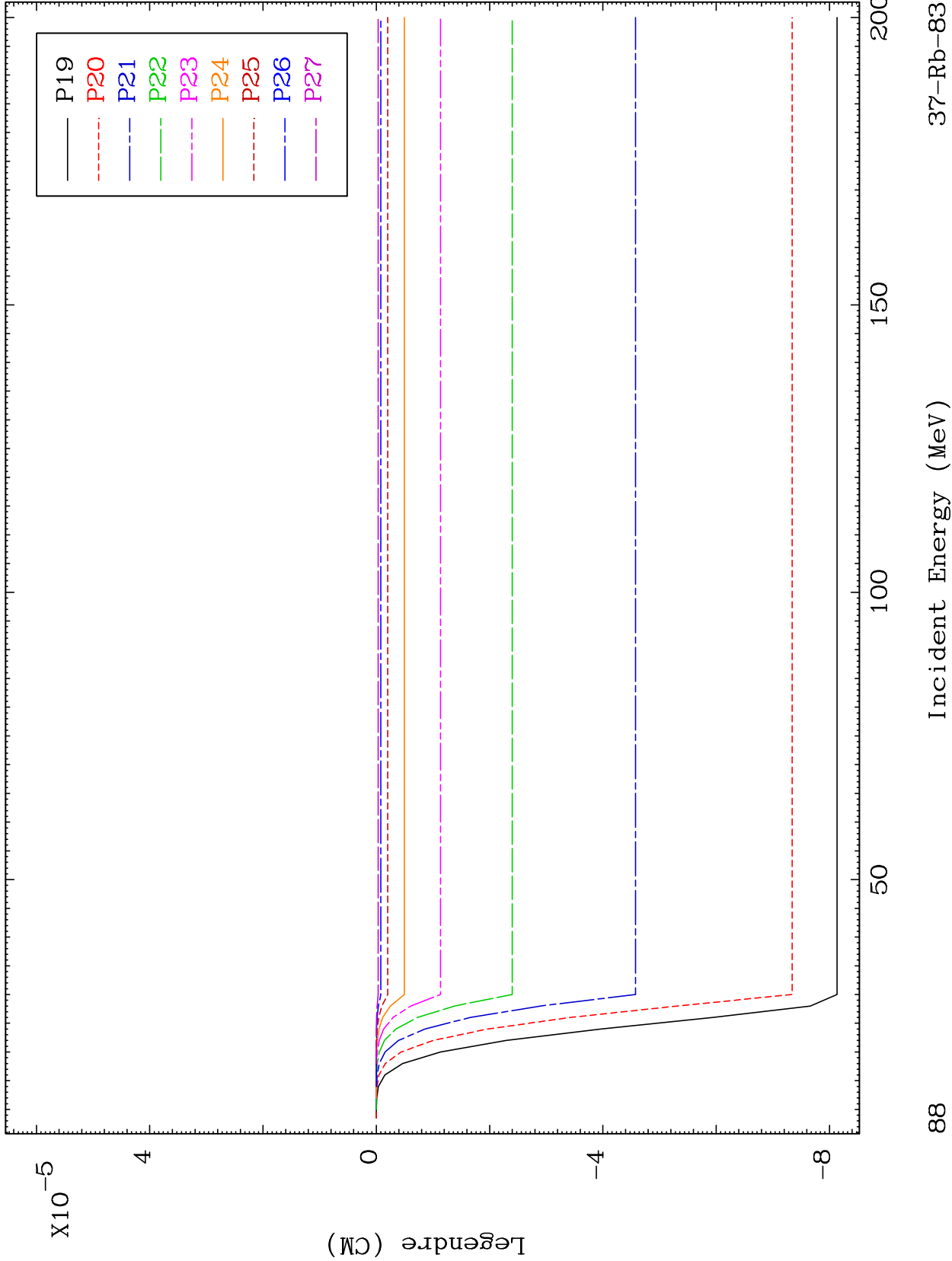


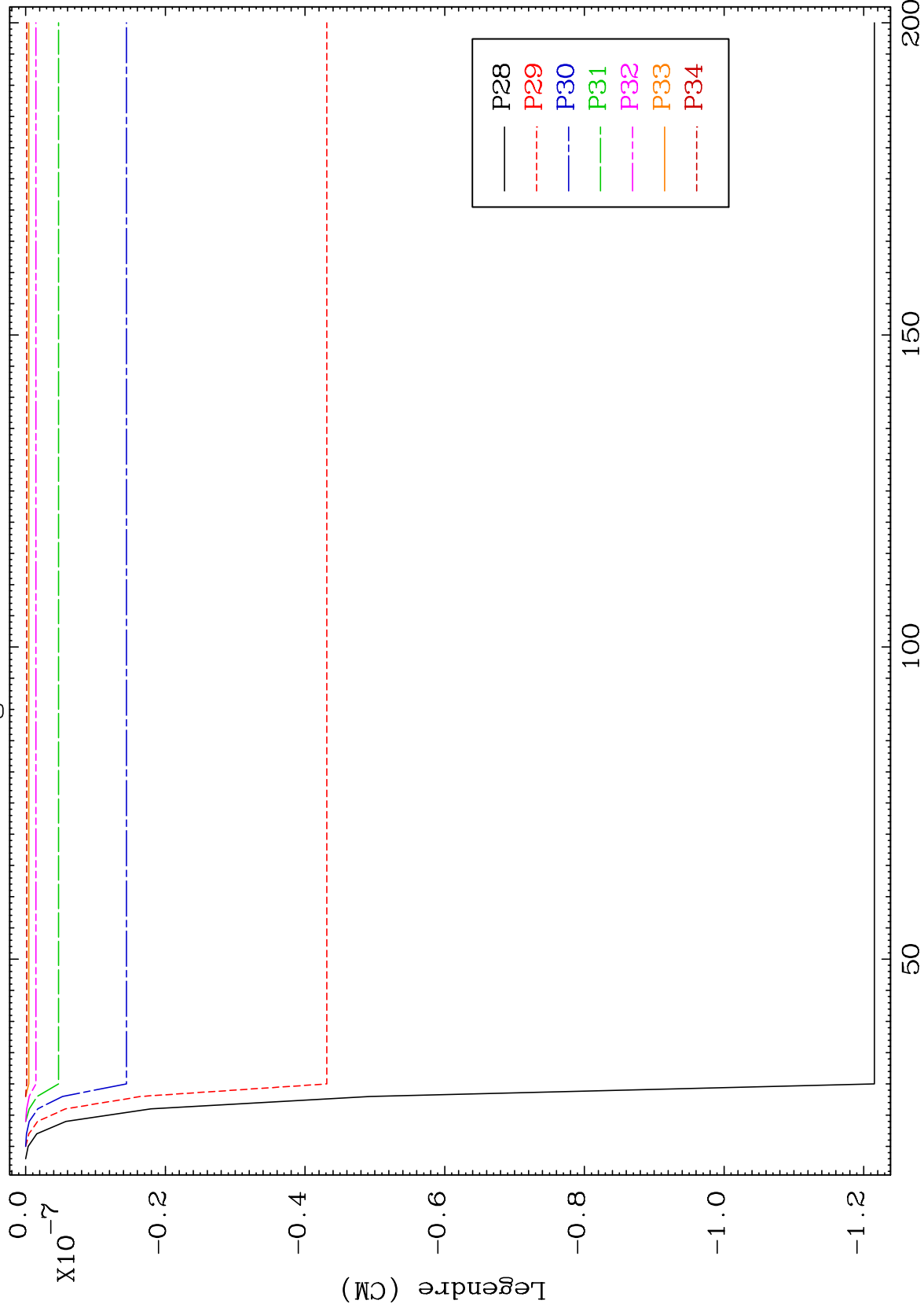
87

Incident Energy (MeV)

37-Rb-83



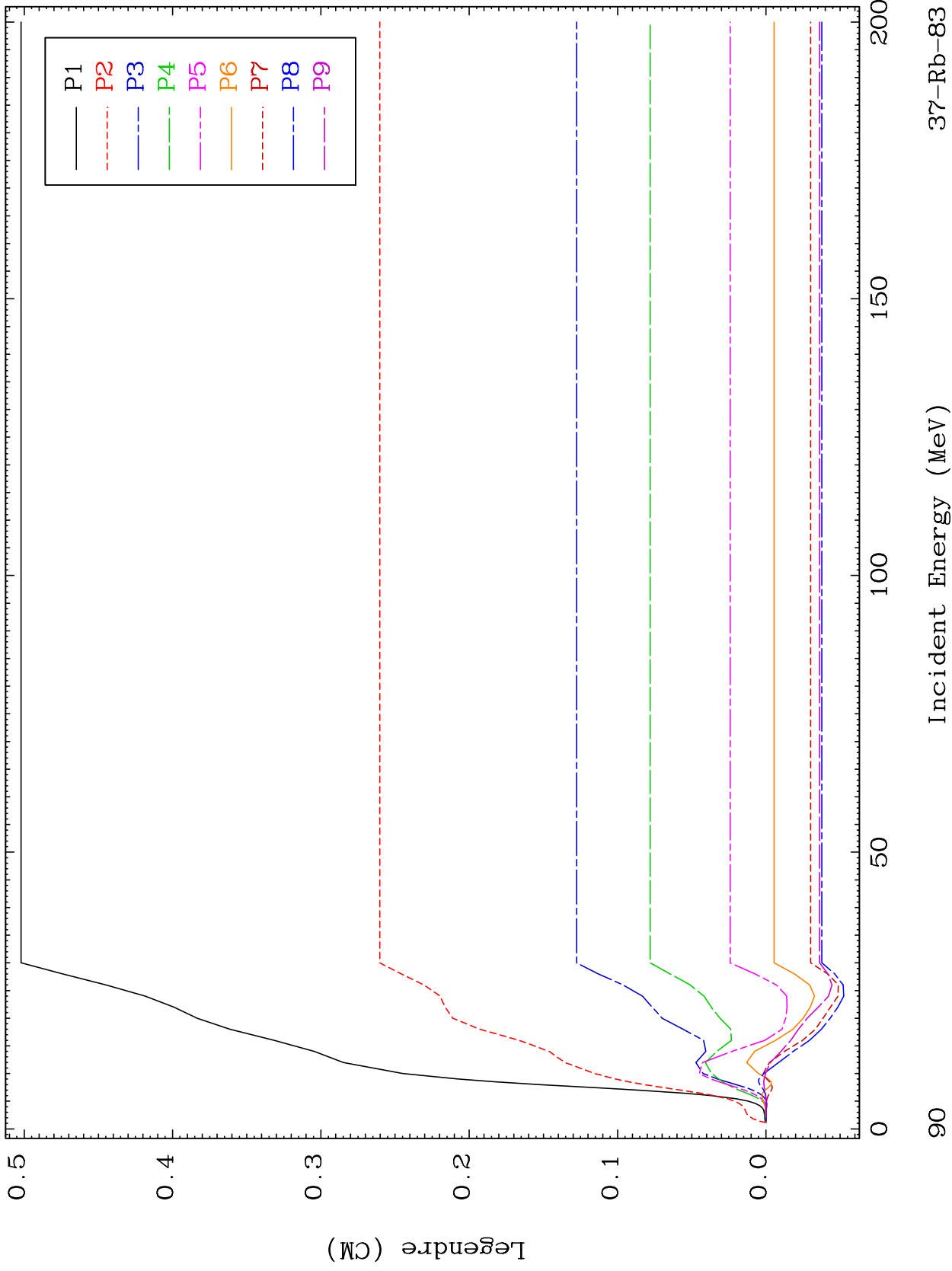




MAT 3719

1.096 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83

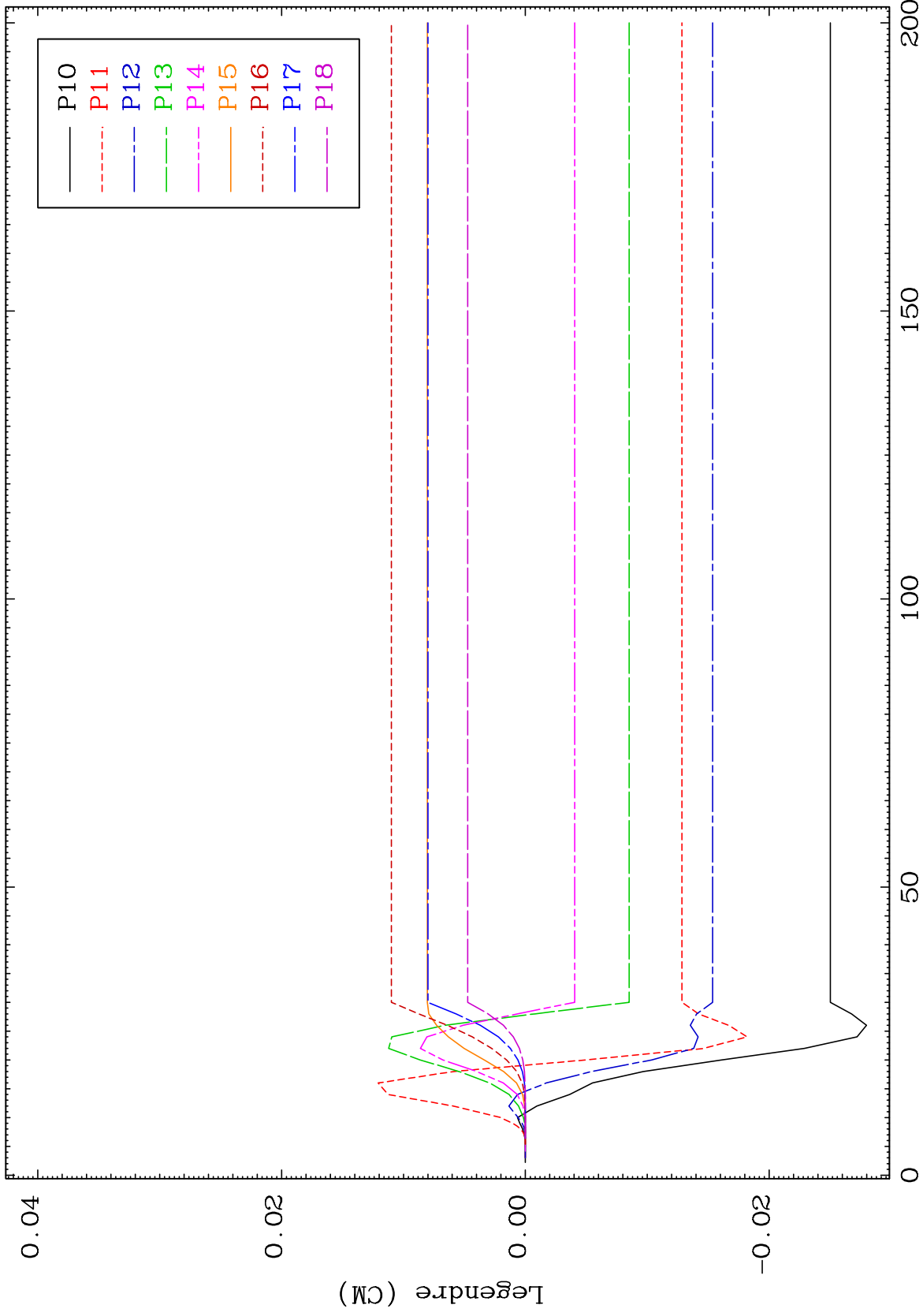


37-Rb-83

MAT 3719

1.096 MeV (n,n') Level  
Legendre Coefficients

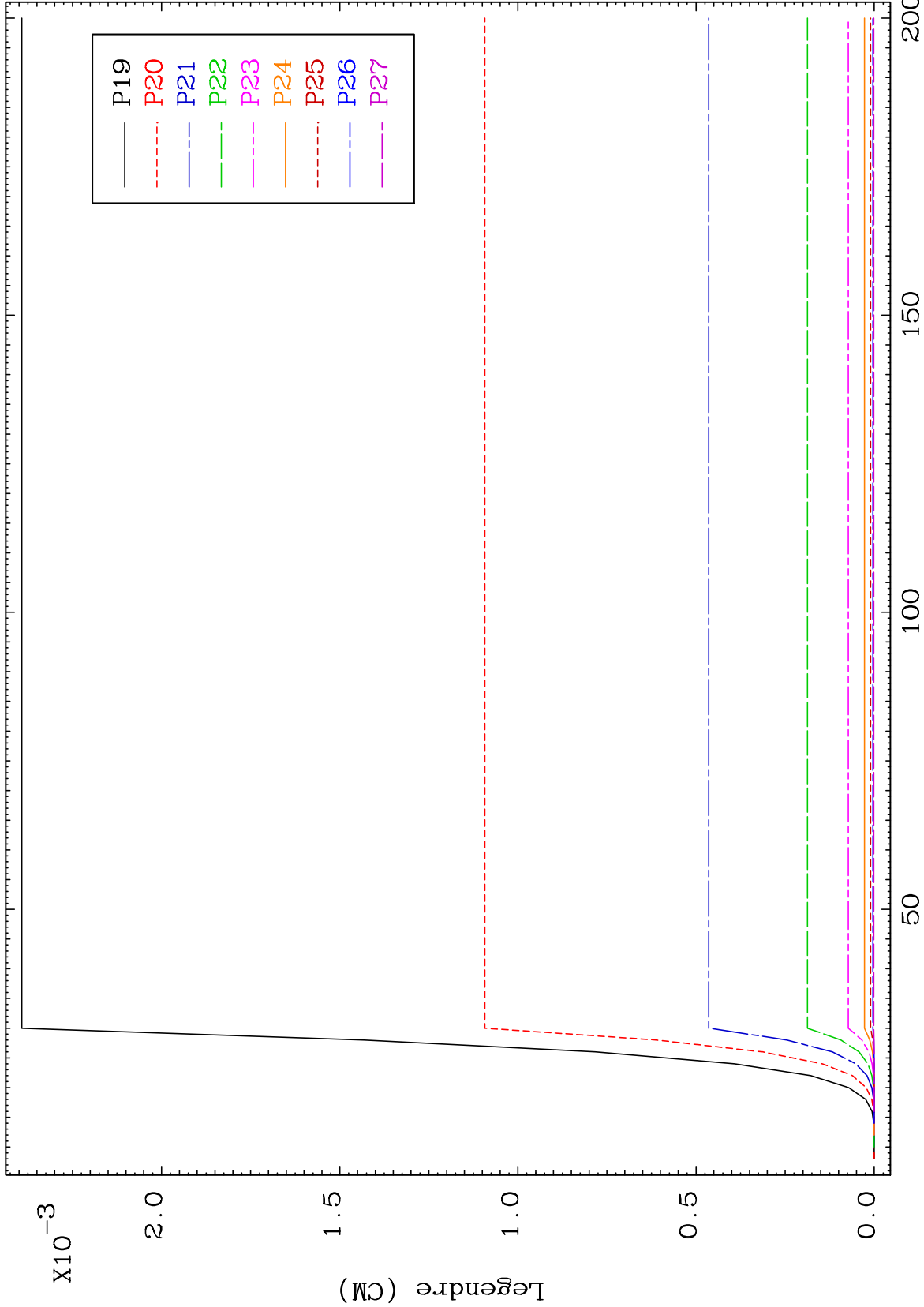
37-Rb-83



91

Incident Energy (MeV)

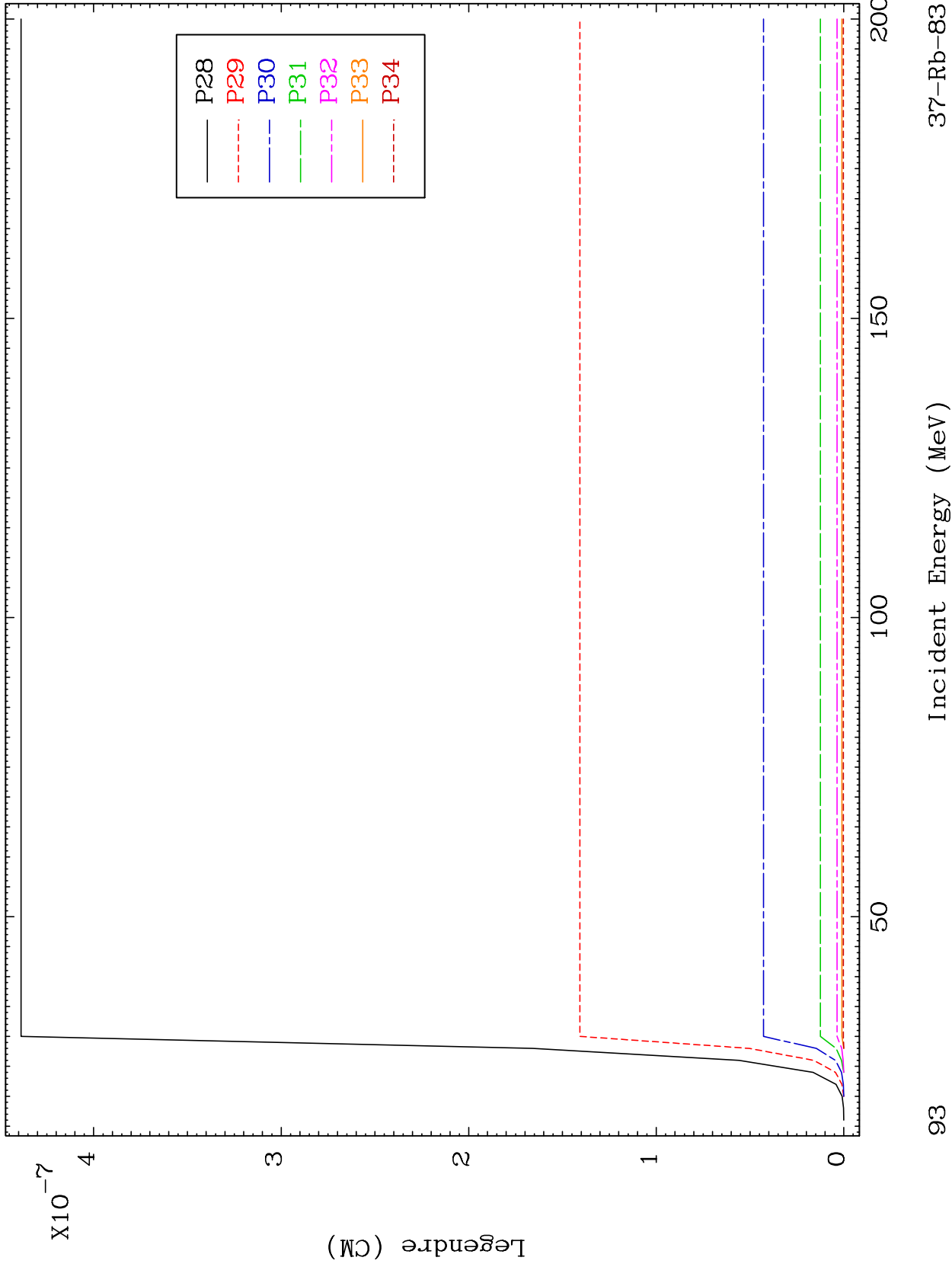
37-Rb-83

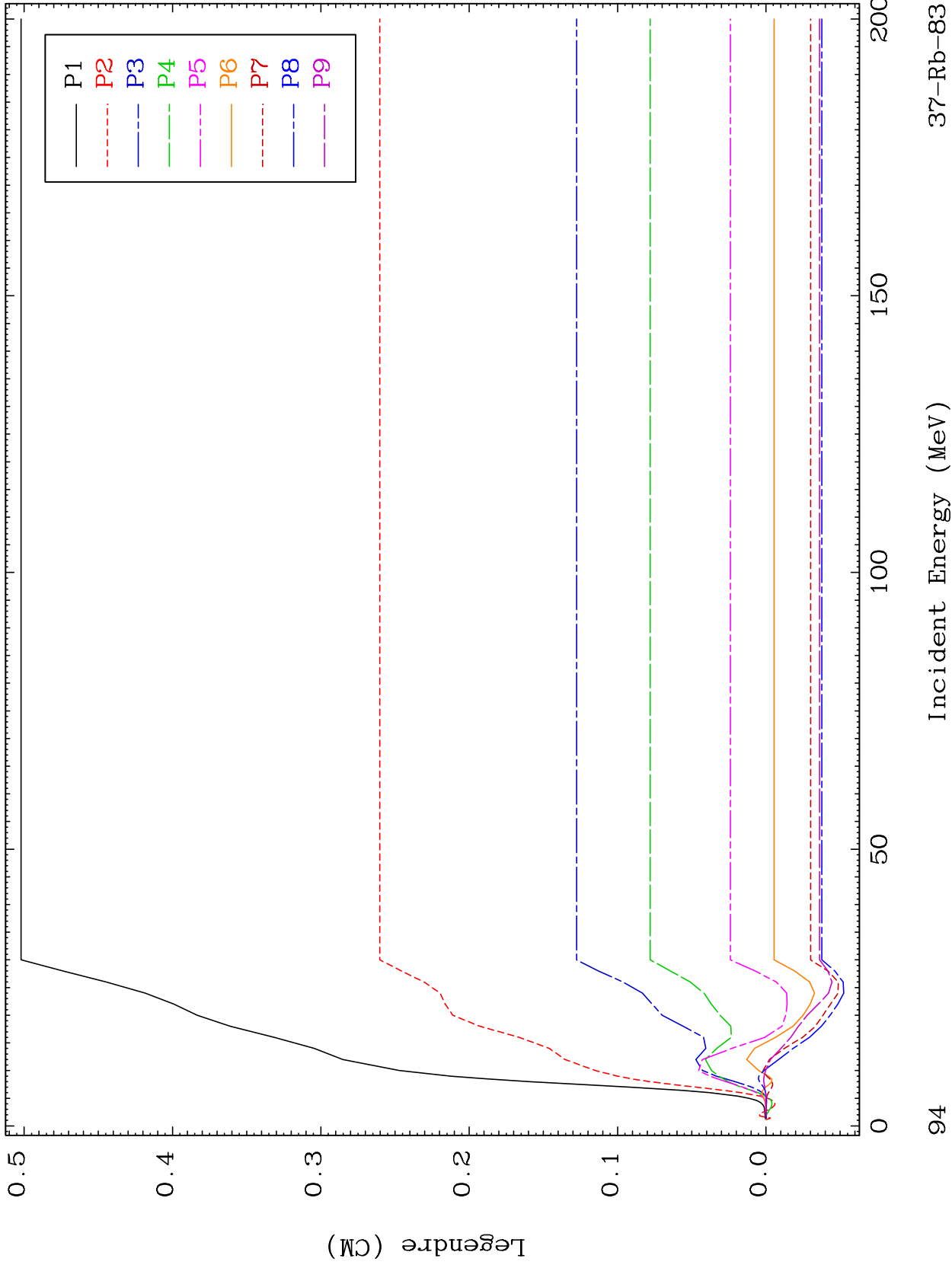


MAT 3719

1.096 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83

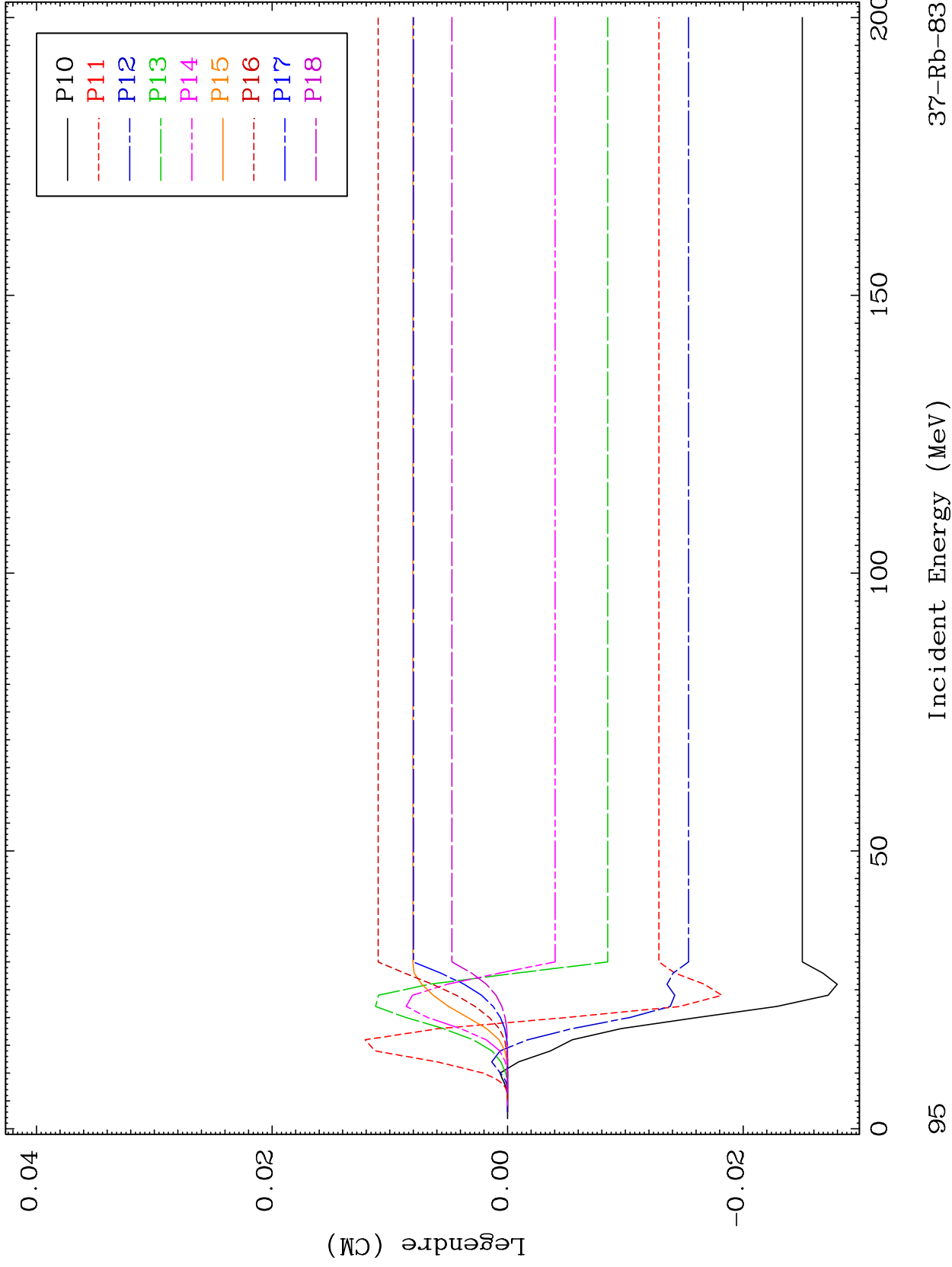




MAT 3719

1.103 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83

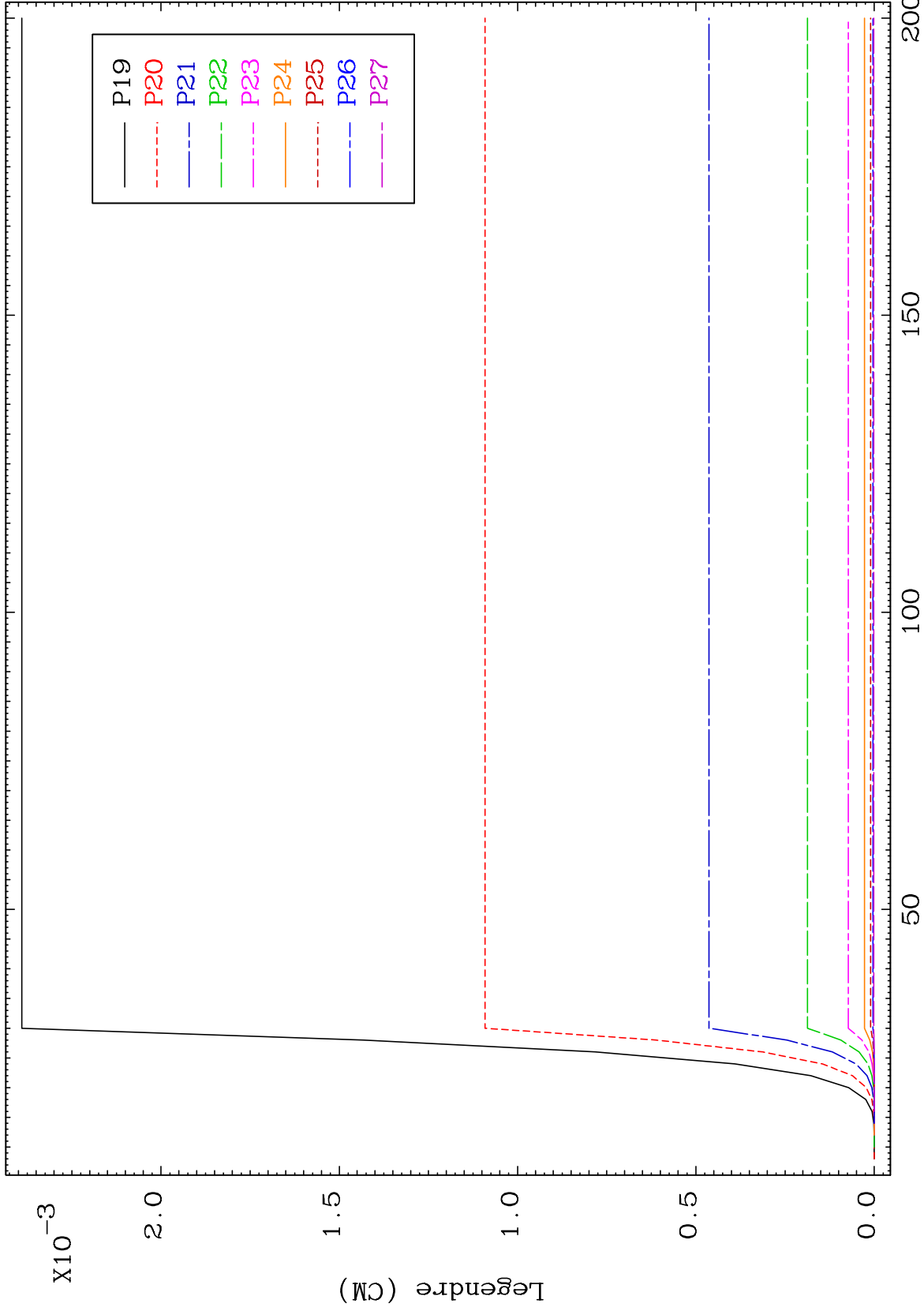


37-Rb-83

Incident Energy (MeV)

95

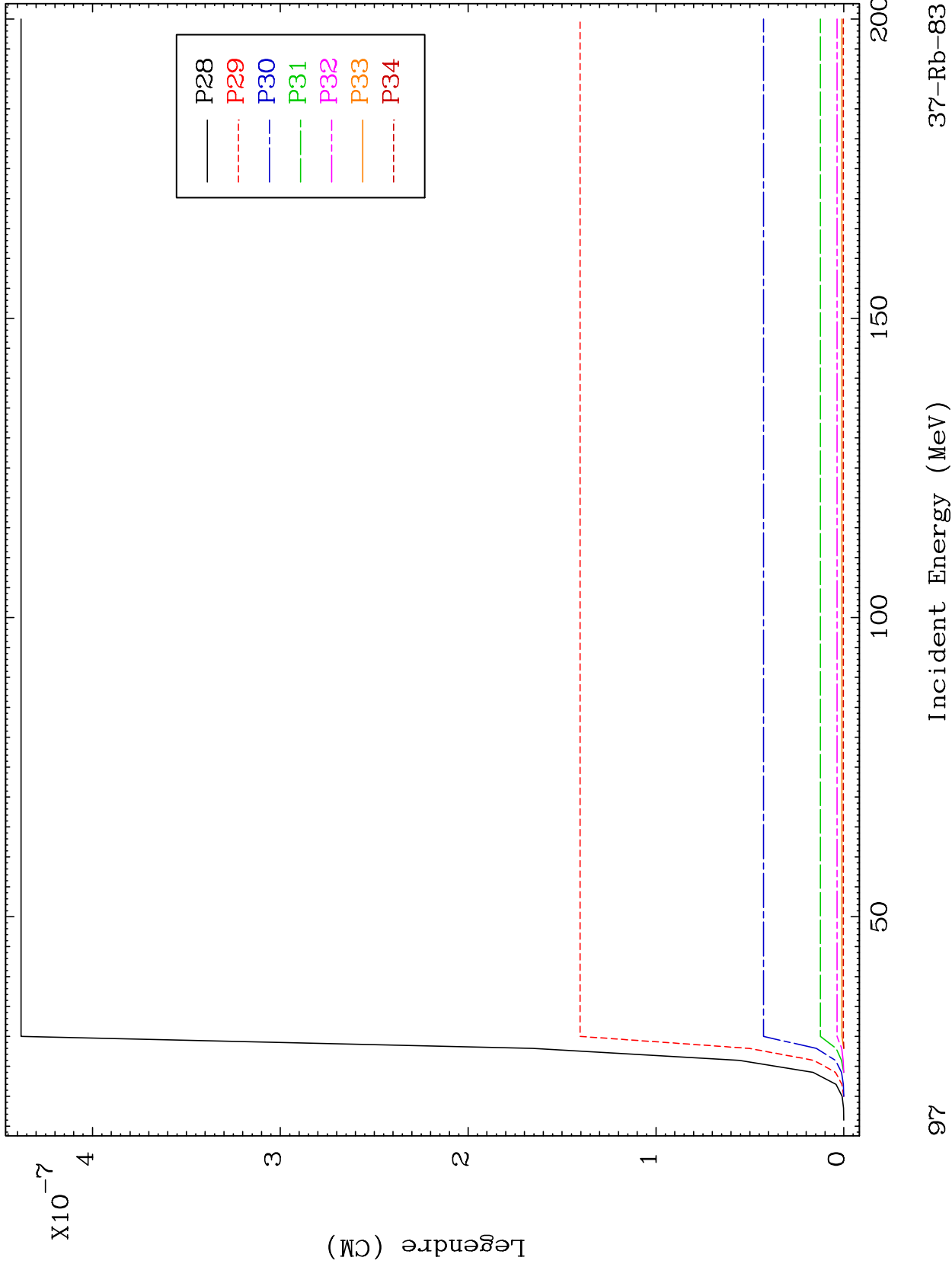




MAT 3719

1.103 MeV (n,n') Level  
Legendre Coefficients

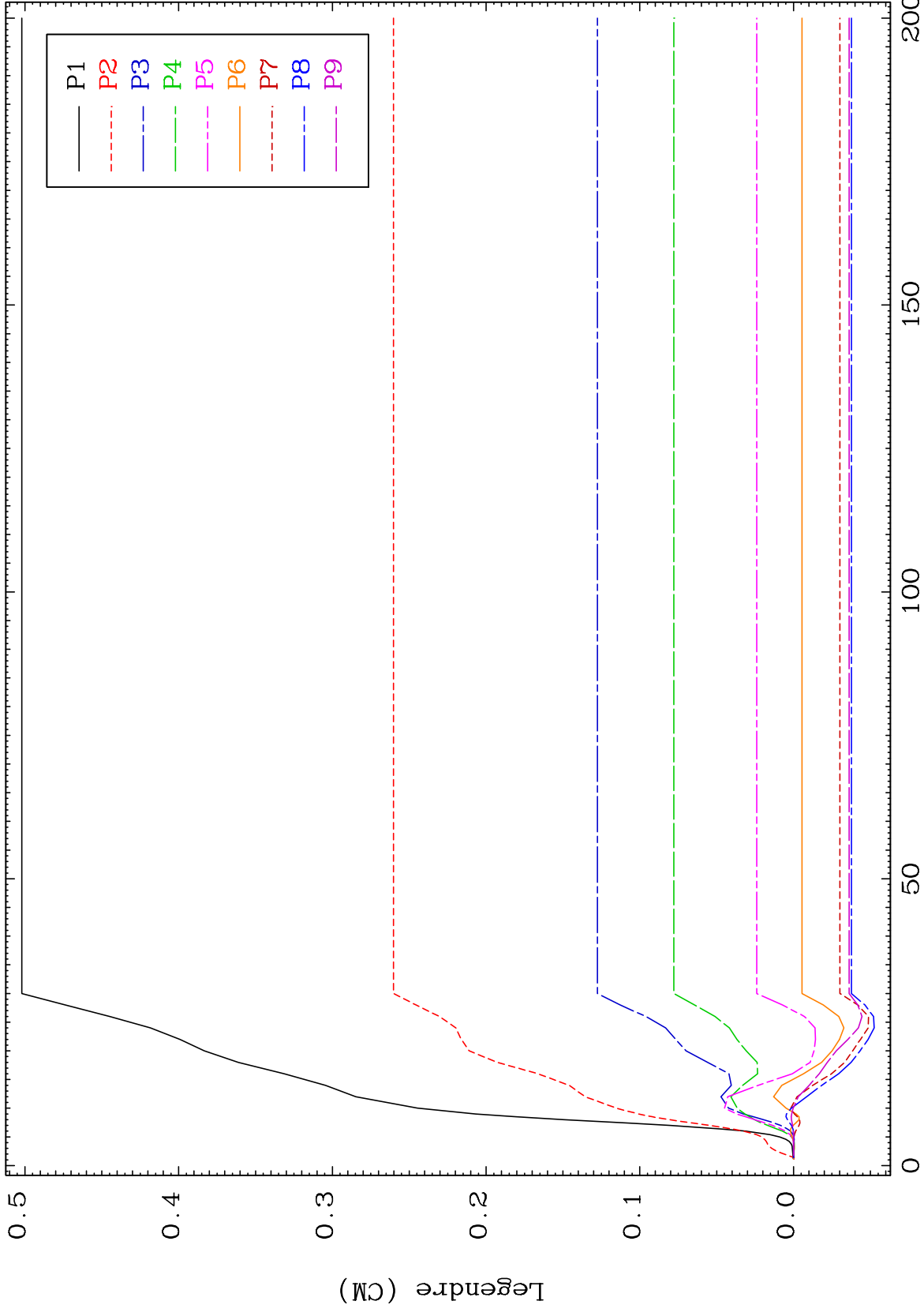
37-Rb-83



MAT 3719

1.110 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



98

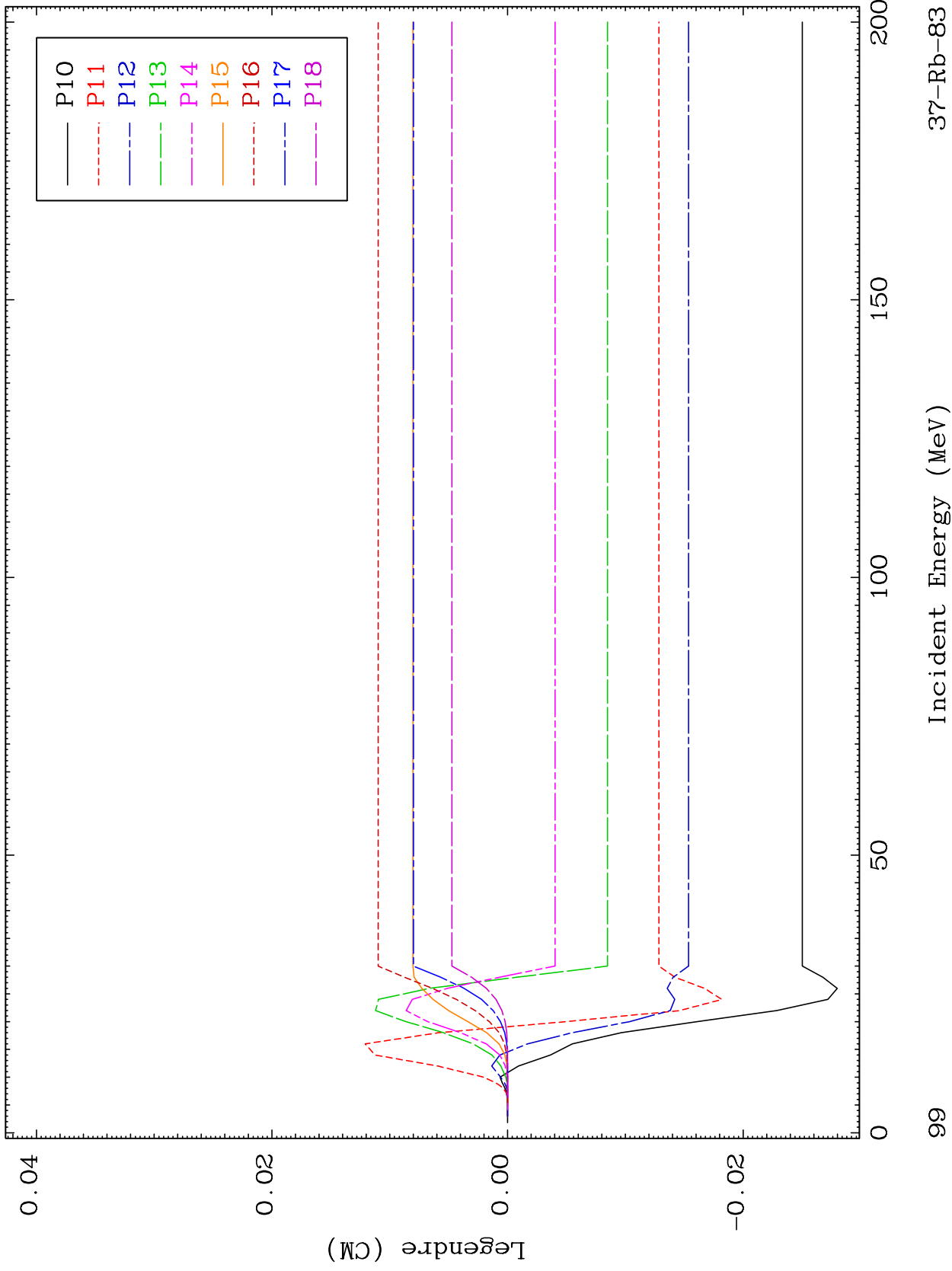
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.110 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



99

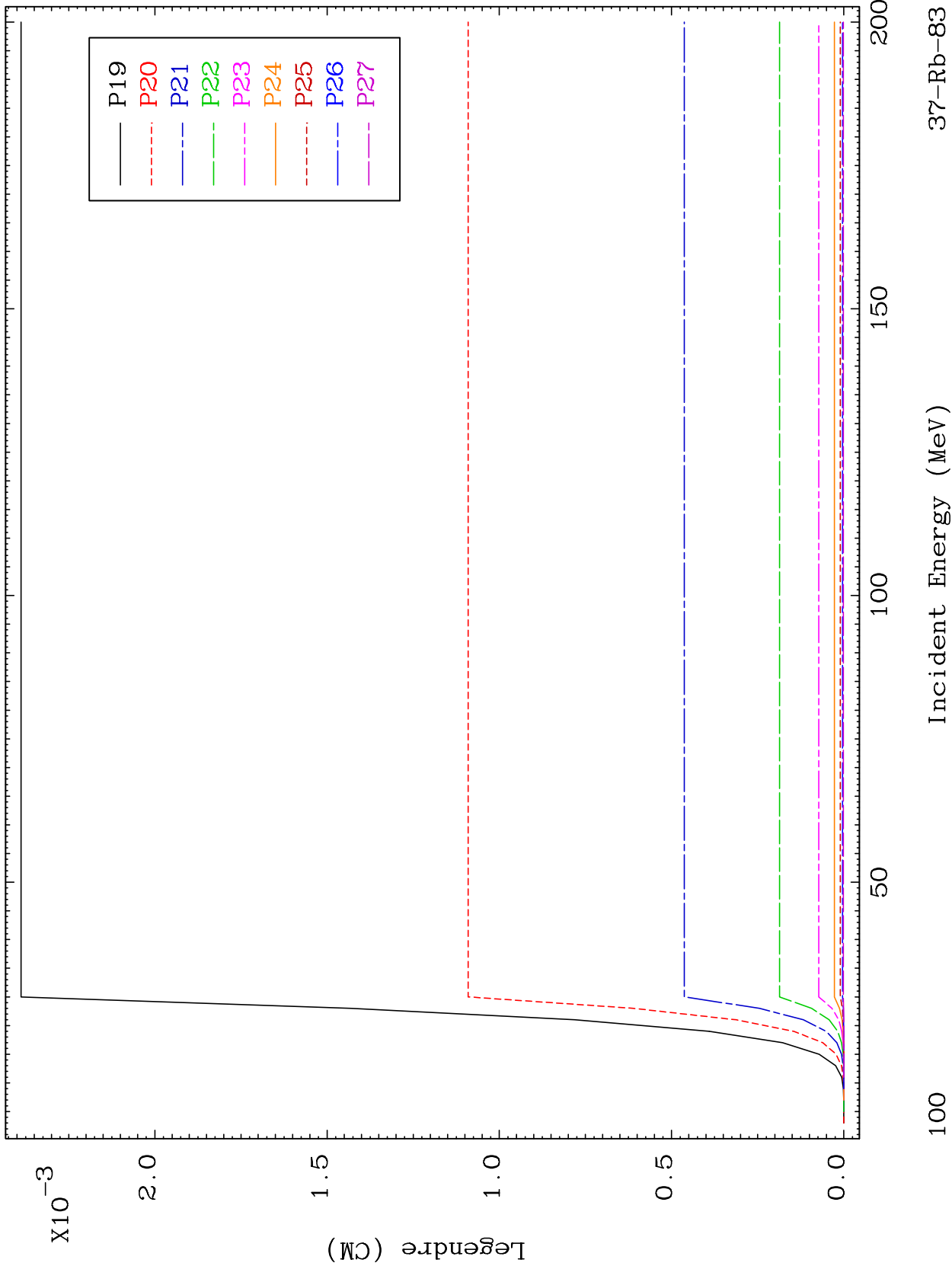
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.110 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



100

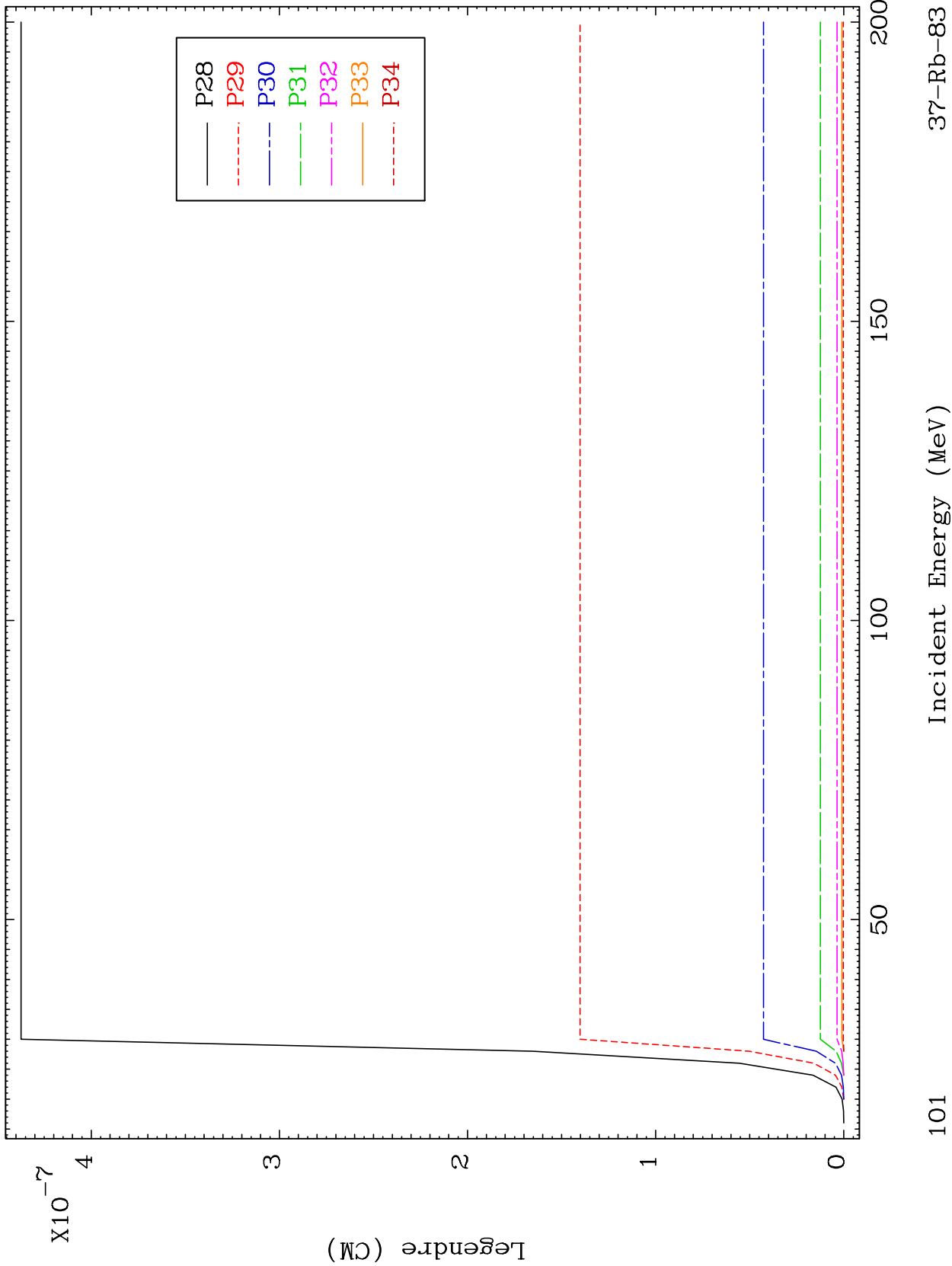
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.110 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



101

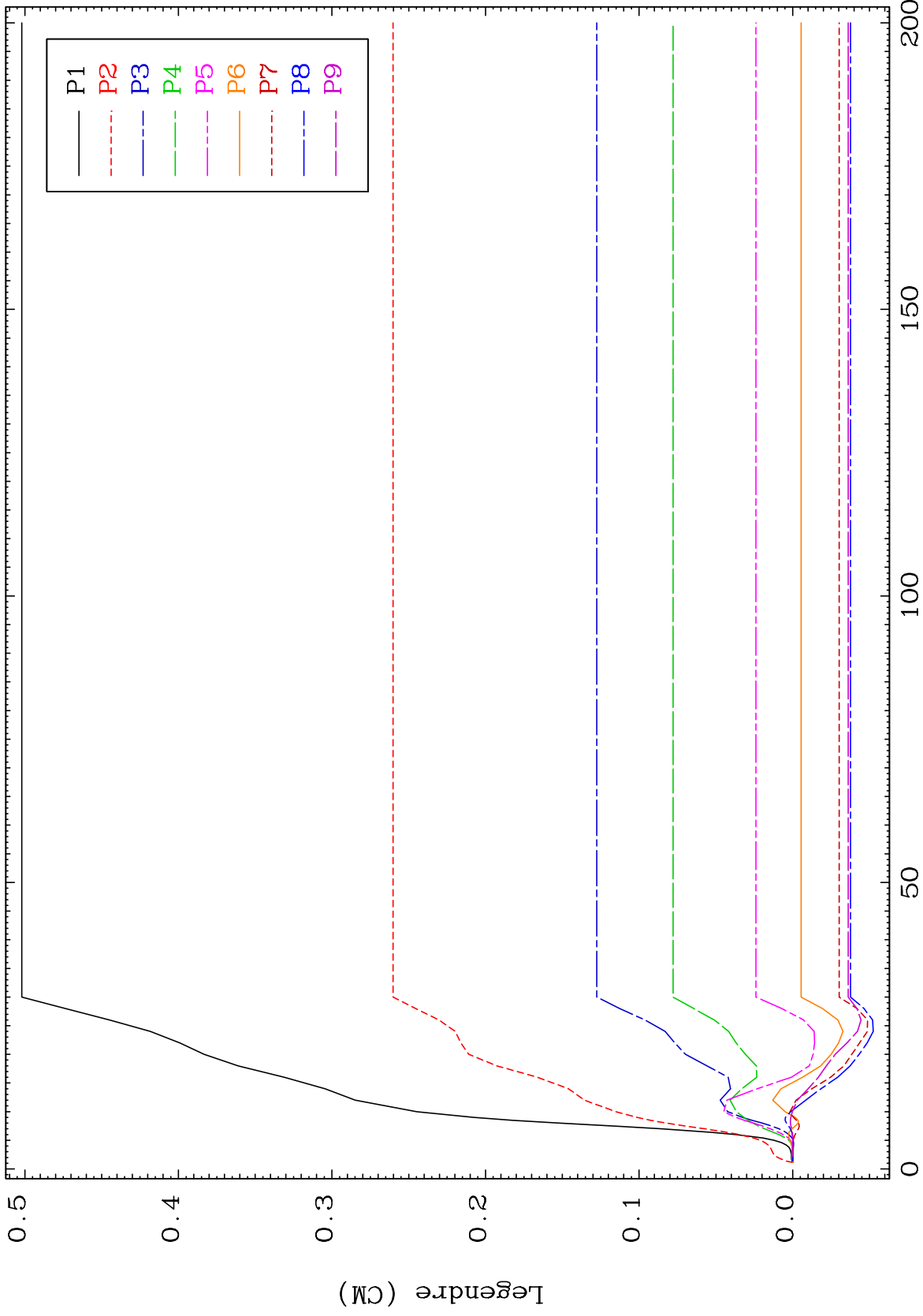
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.116 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



102

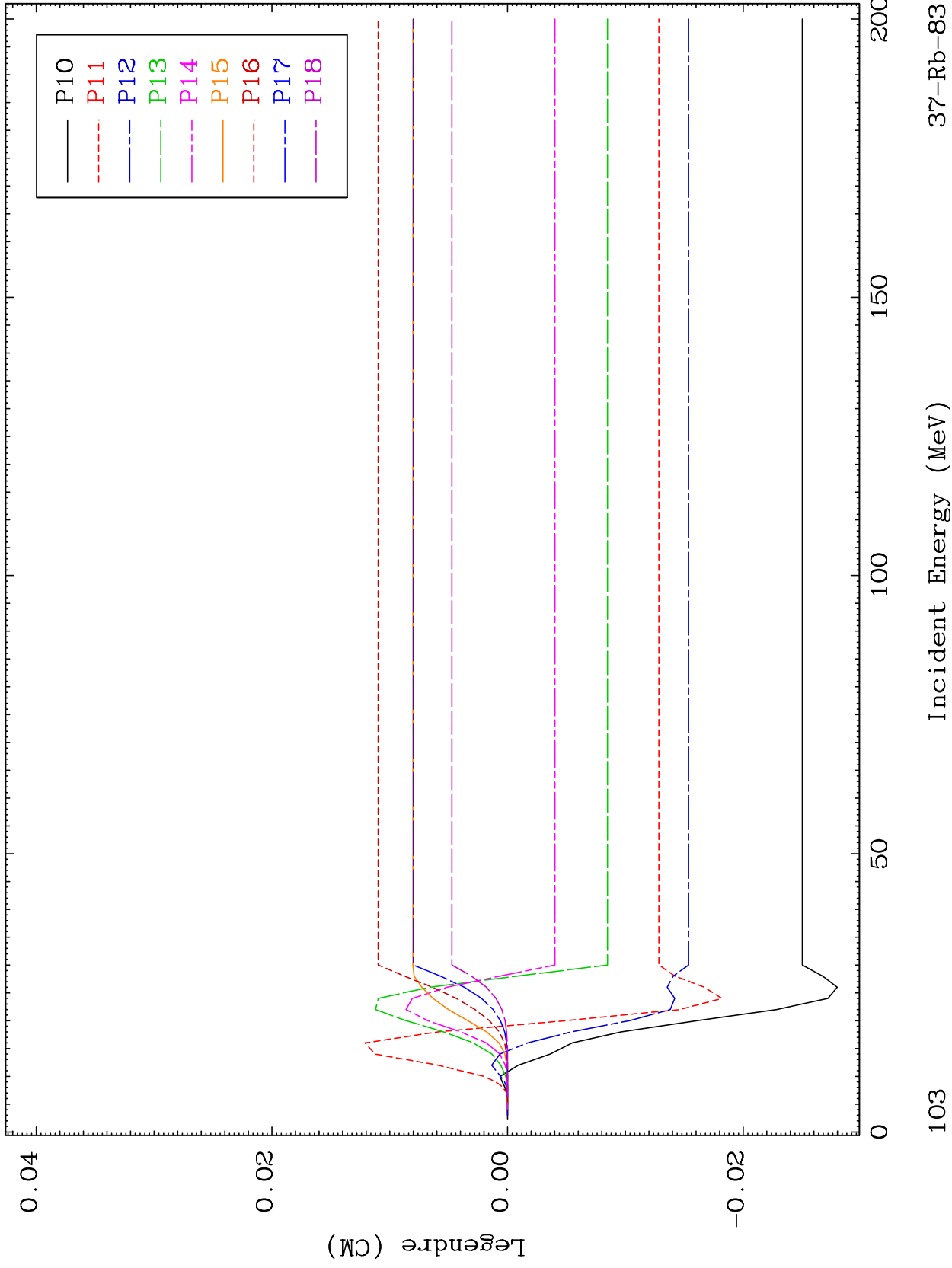
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.116 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83

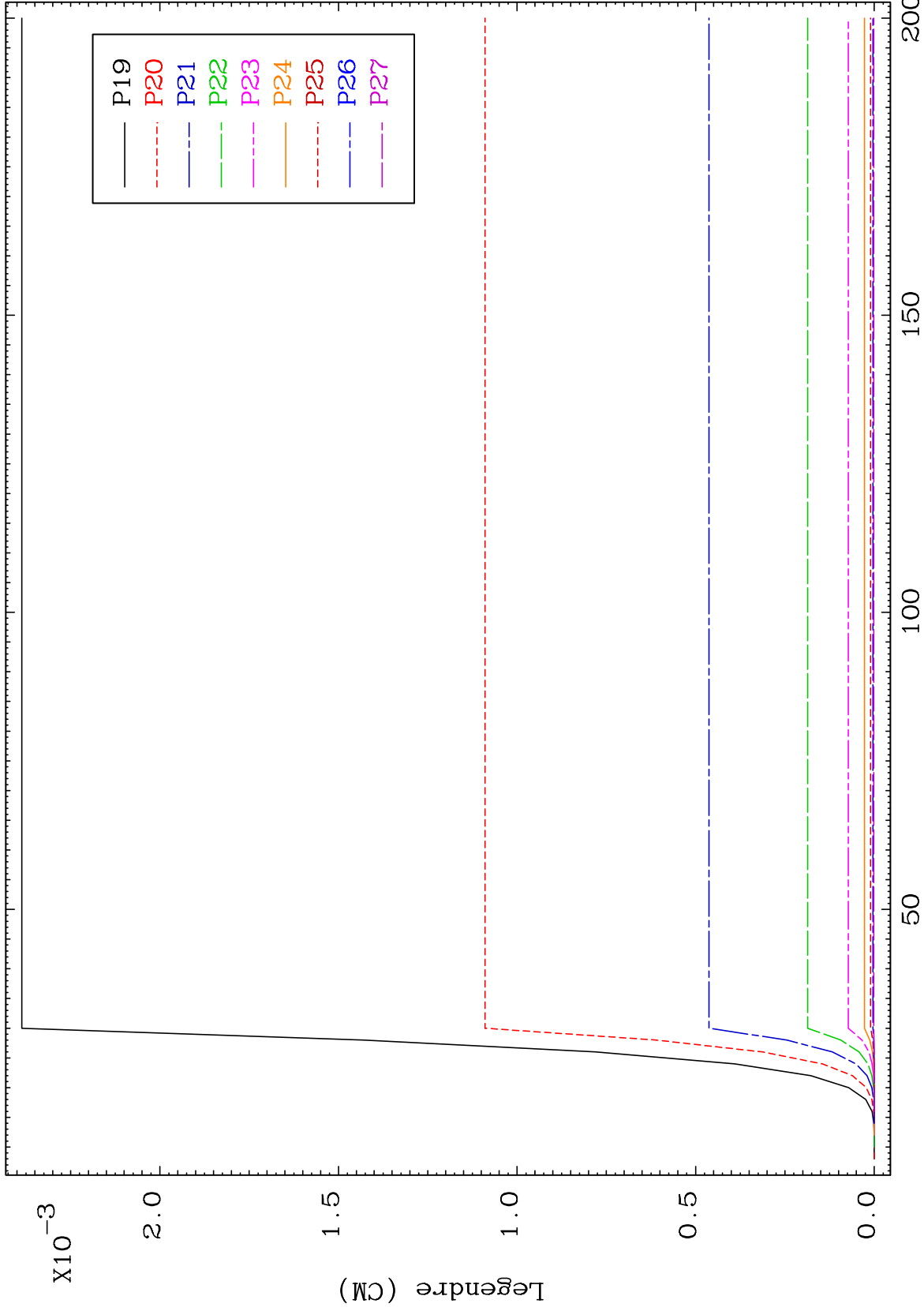


37-Rb-83

Incident Energy (MeV)

103



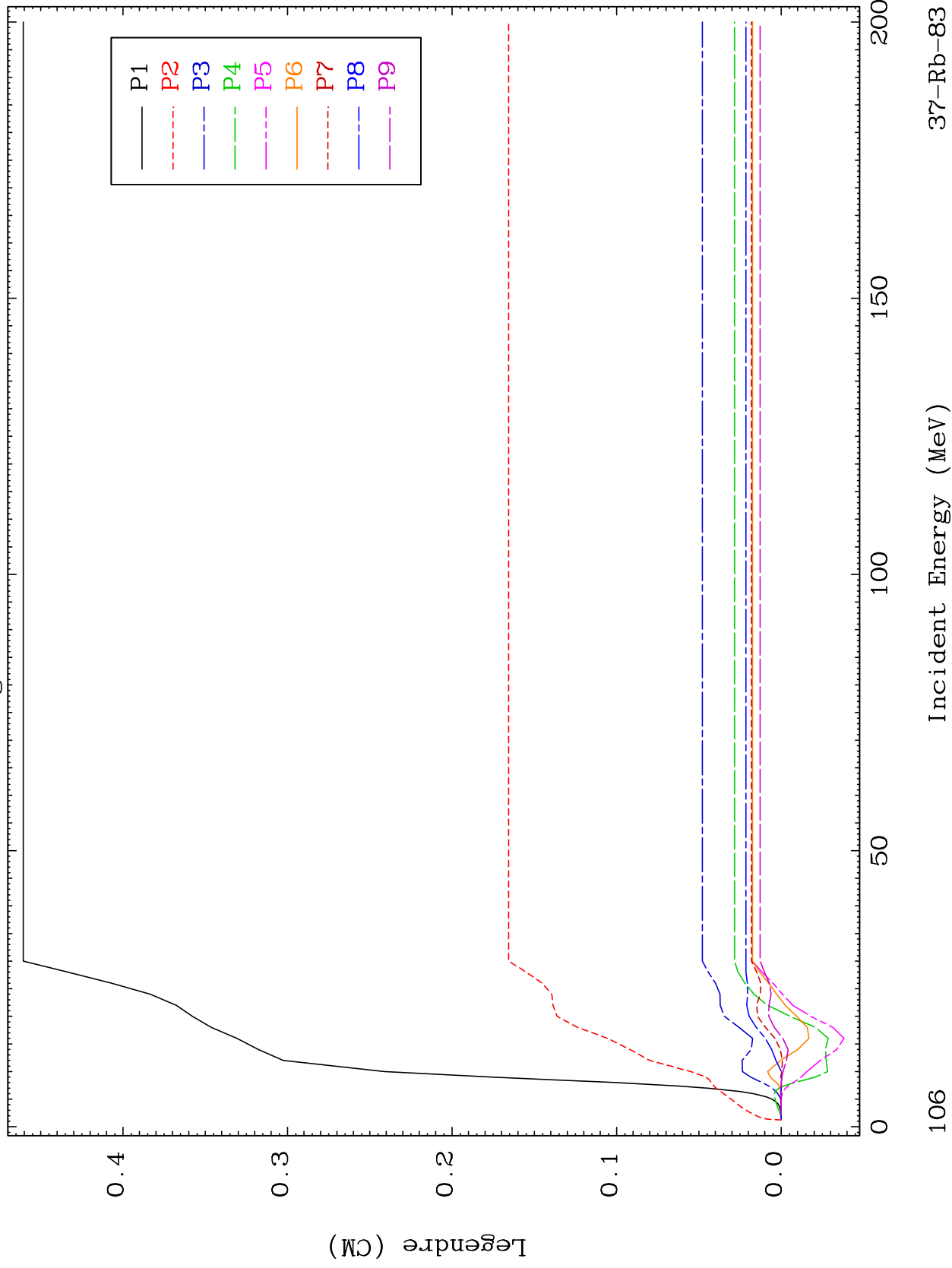




MAT 3719

1.202 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



106

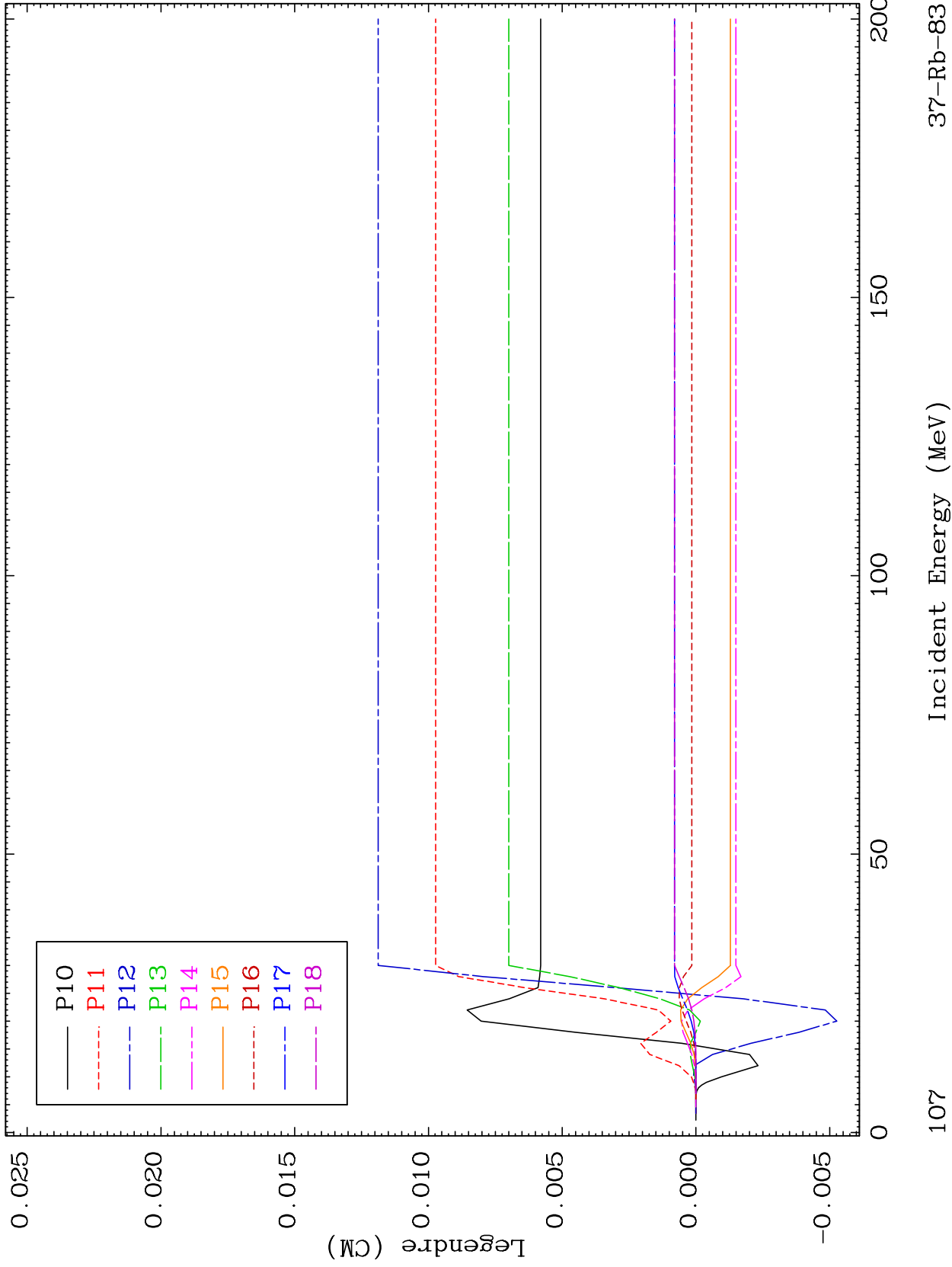
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.202 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



107

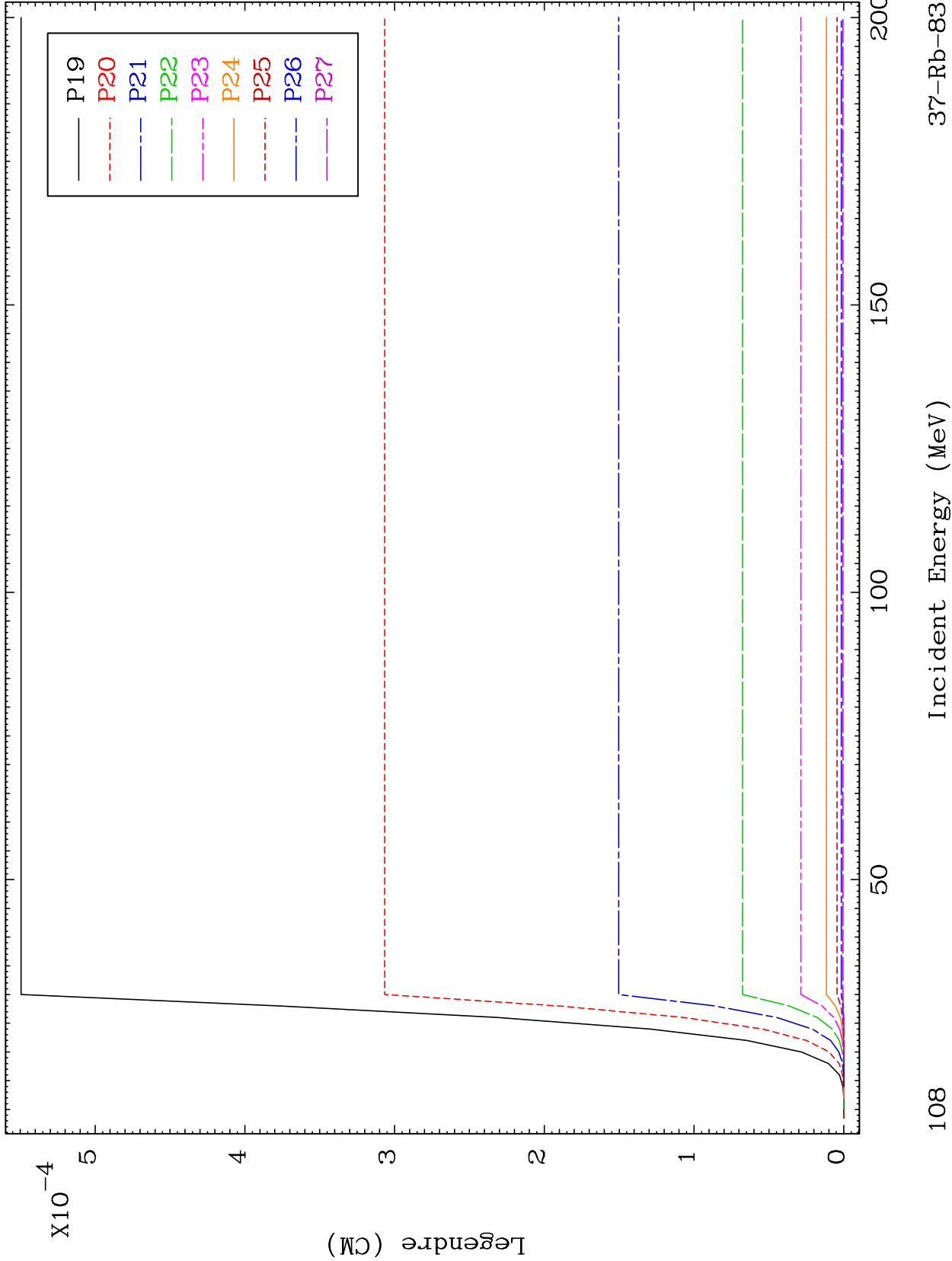
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.202 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



108

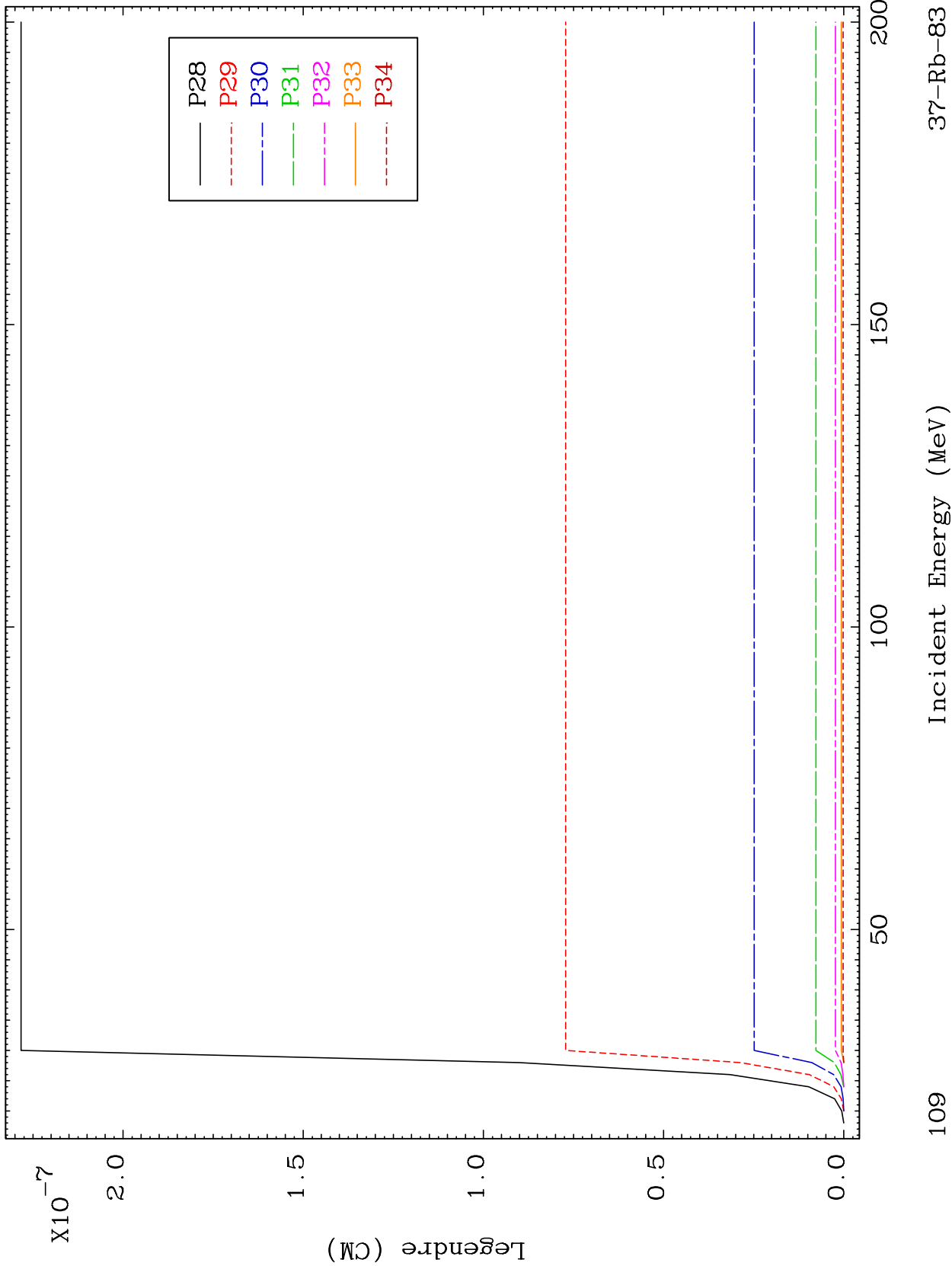
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.202 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



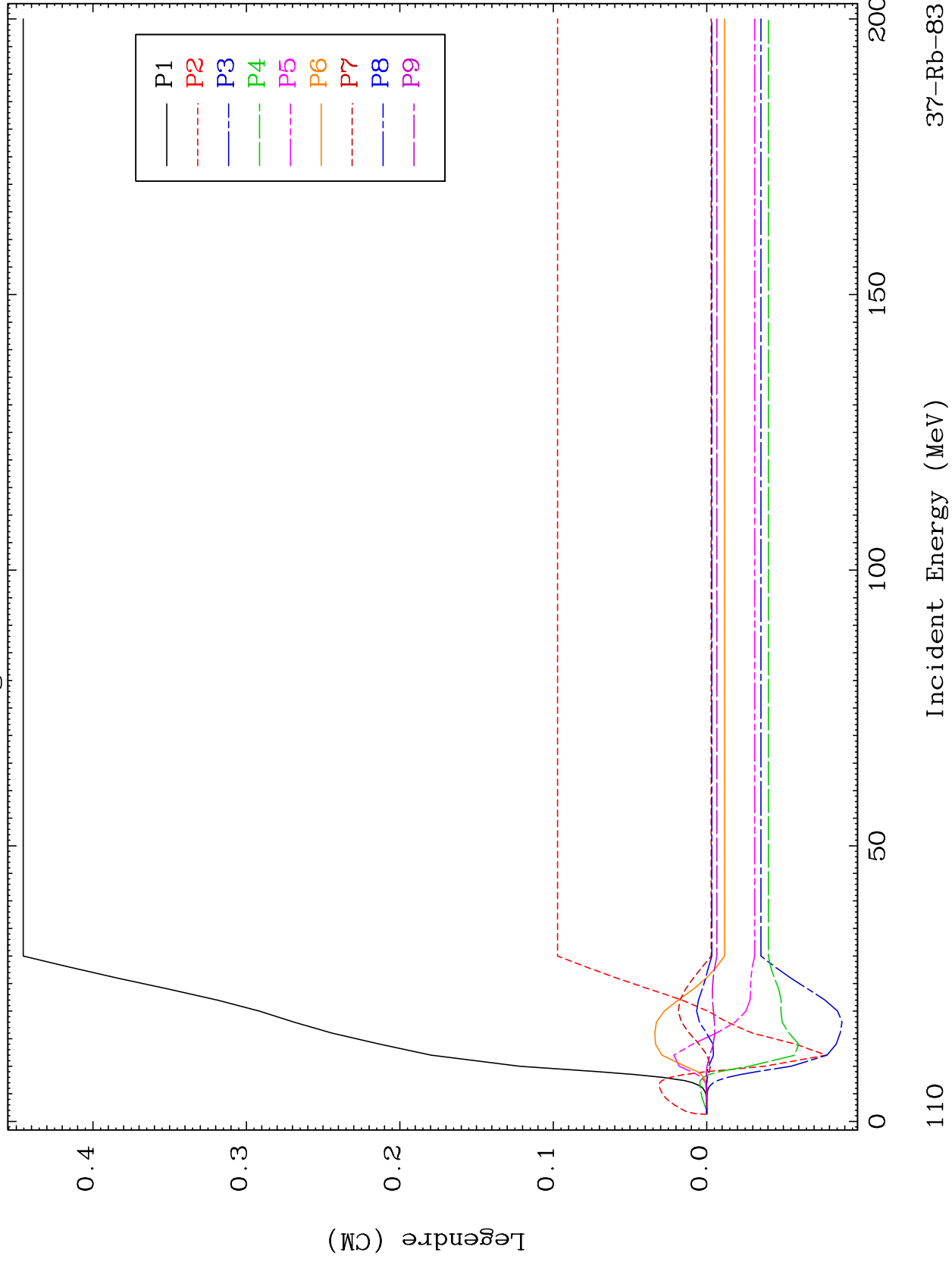
109

37-Rb-83

MAT 3719

1.243 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



37-Rb-83

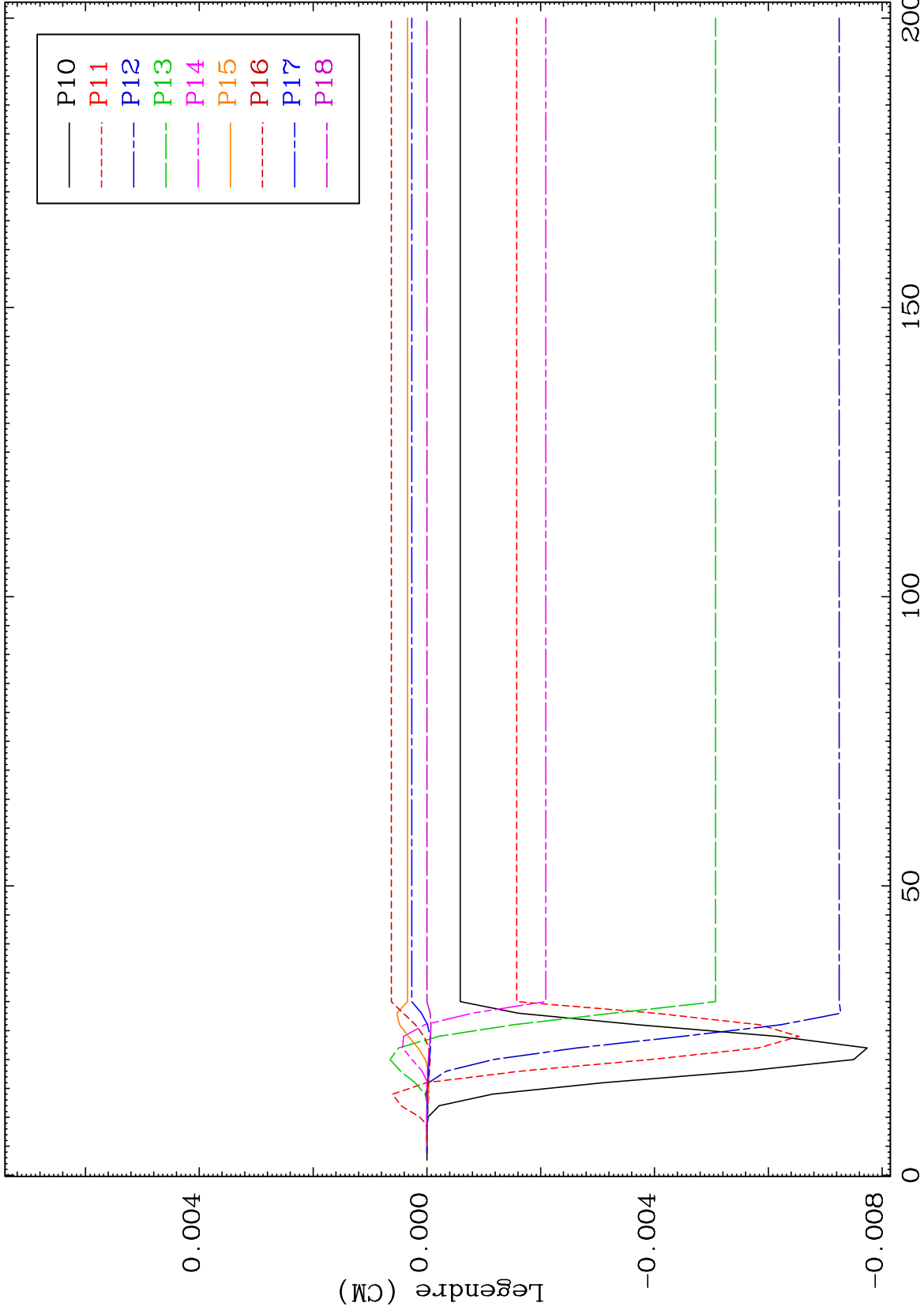
Incident Energy (MeV)

110

MAT 3719

1.243 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



111

Incident Energy (MeV)

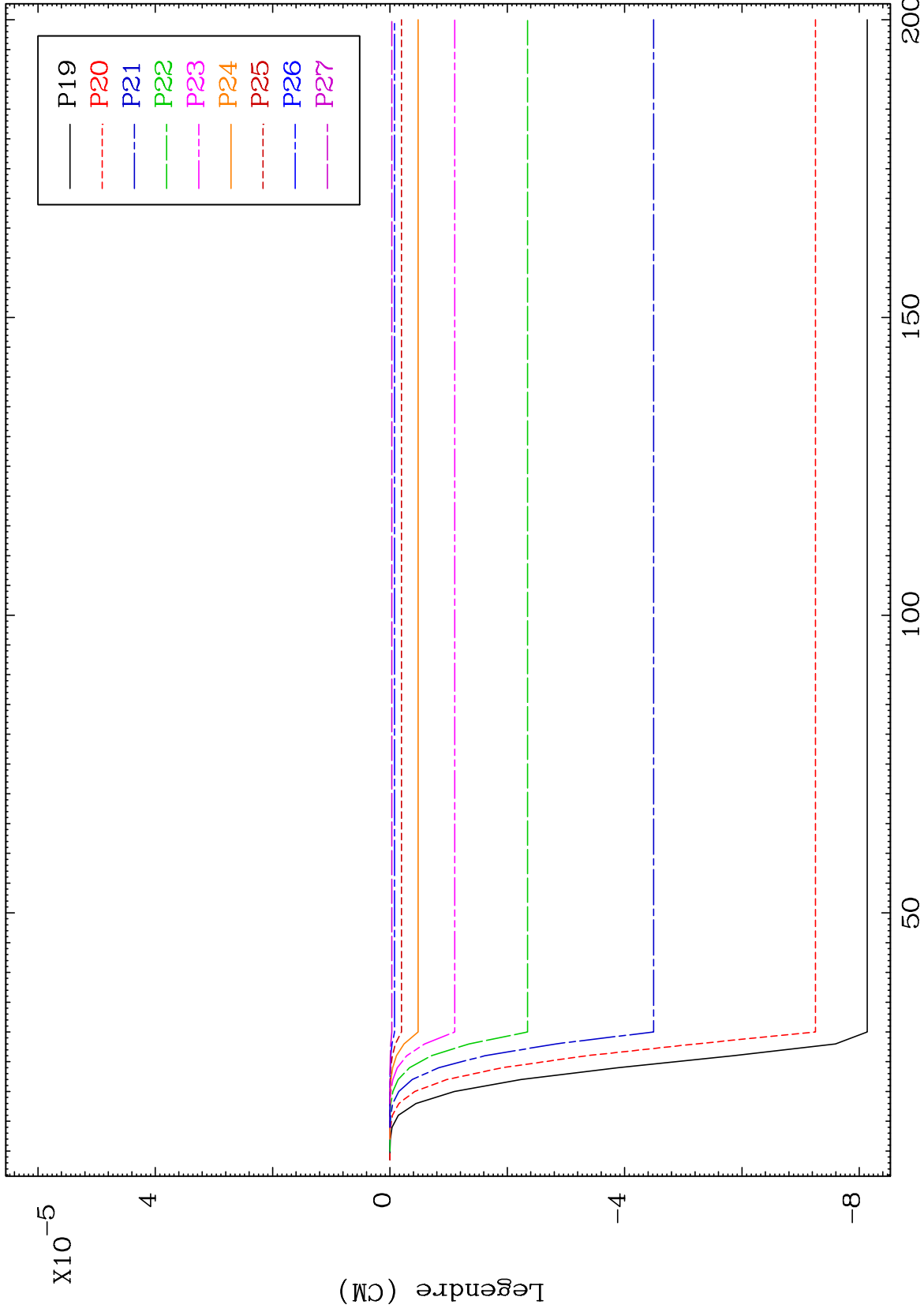
37-Rb-83



MAT 3719

1.243 MeV (n,n') Level  
Legendre Coefficients

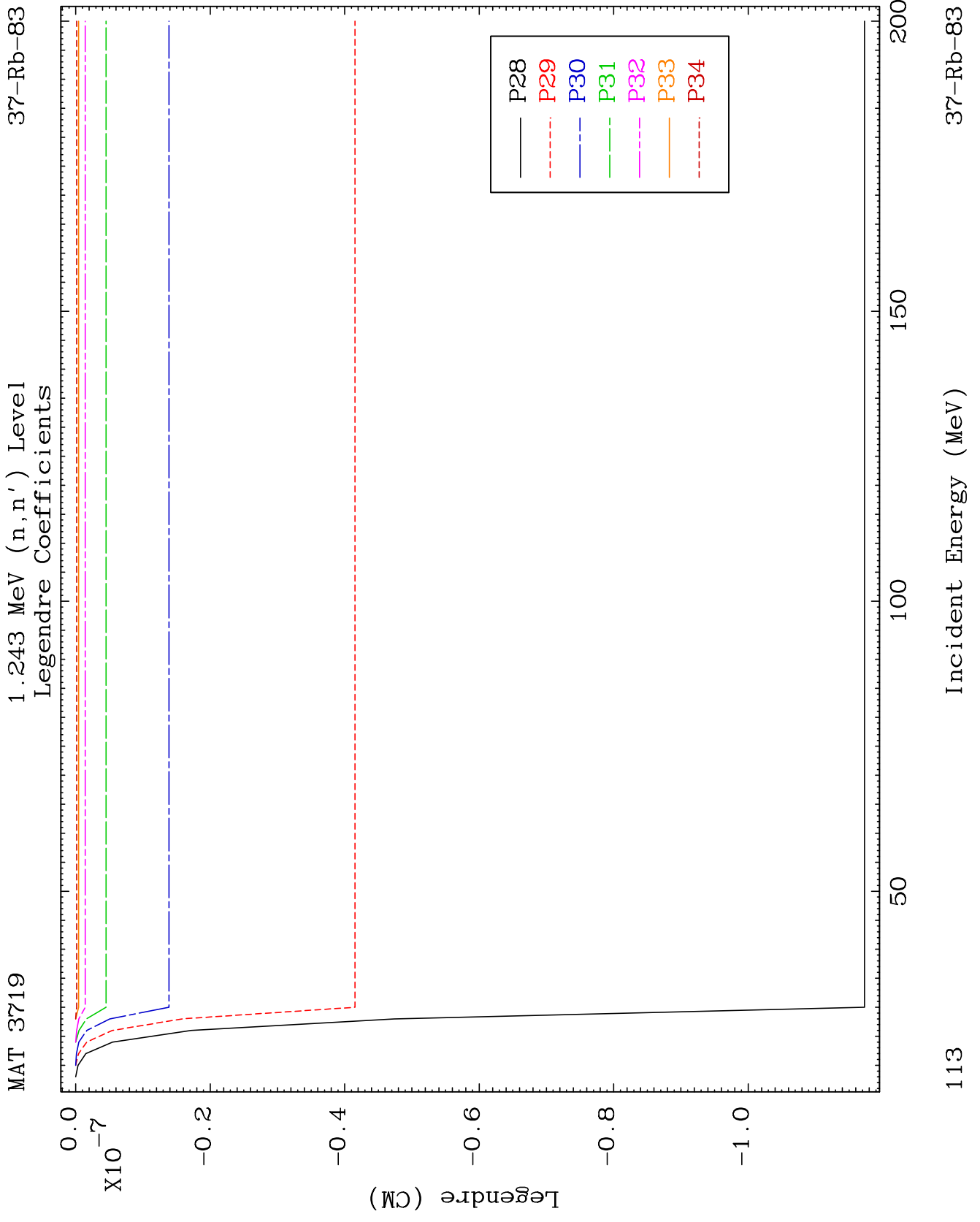
37-Rb-83

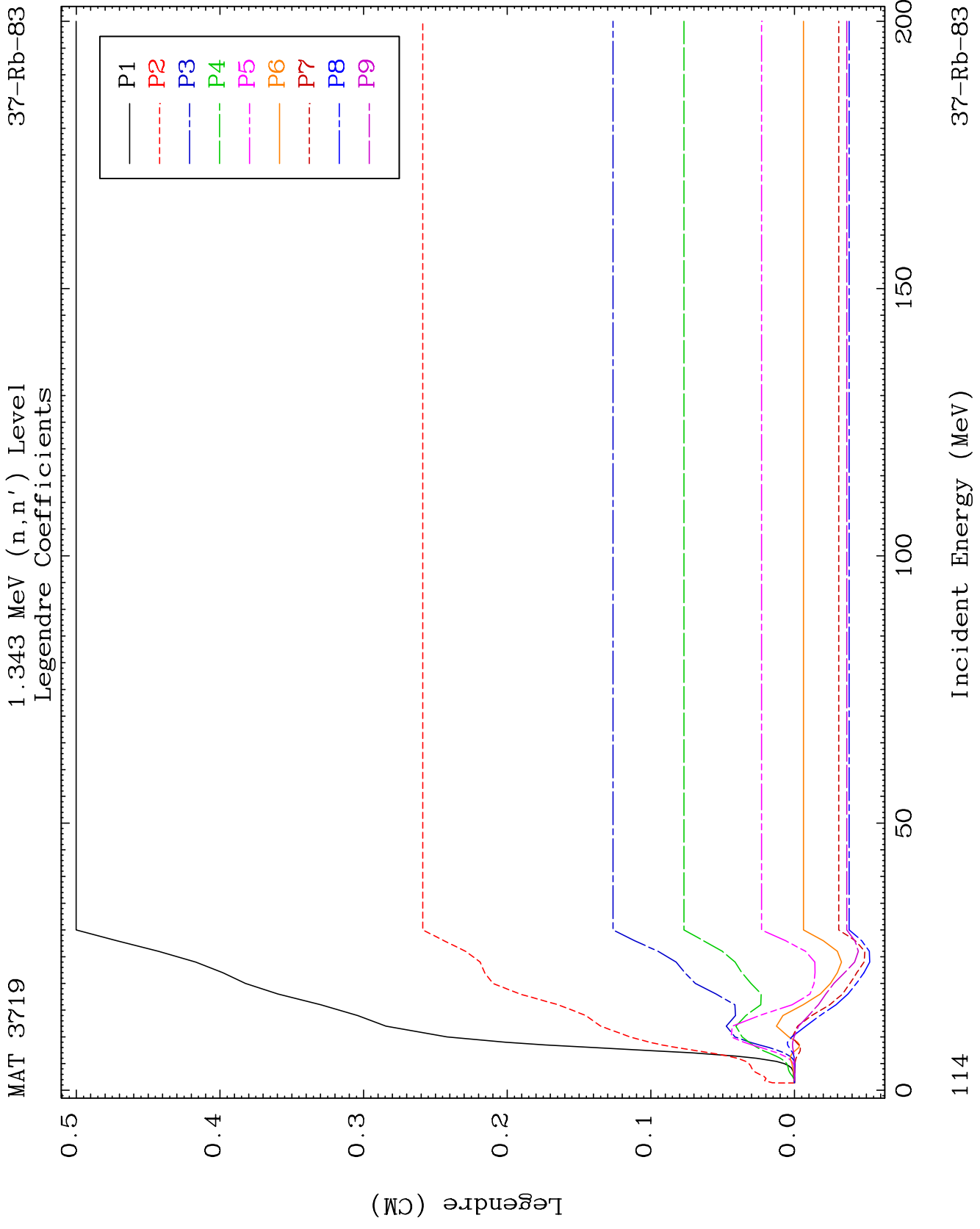


112

Incident Energy (MeV)

37-Rb-83

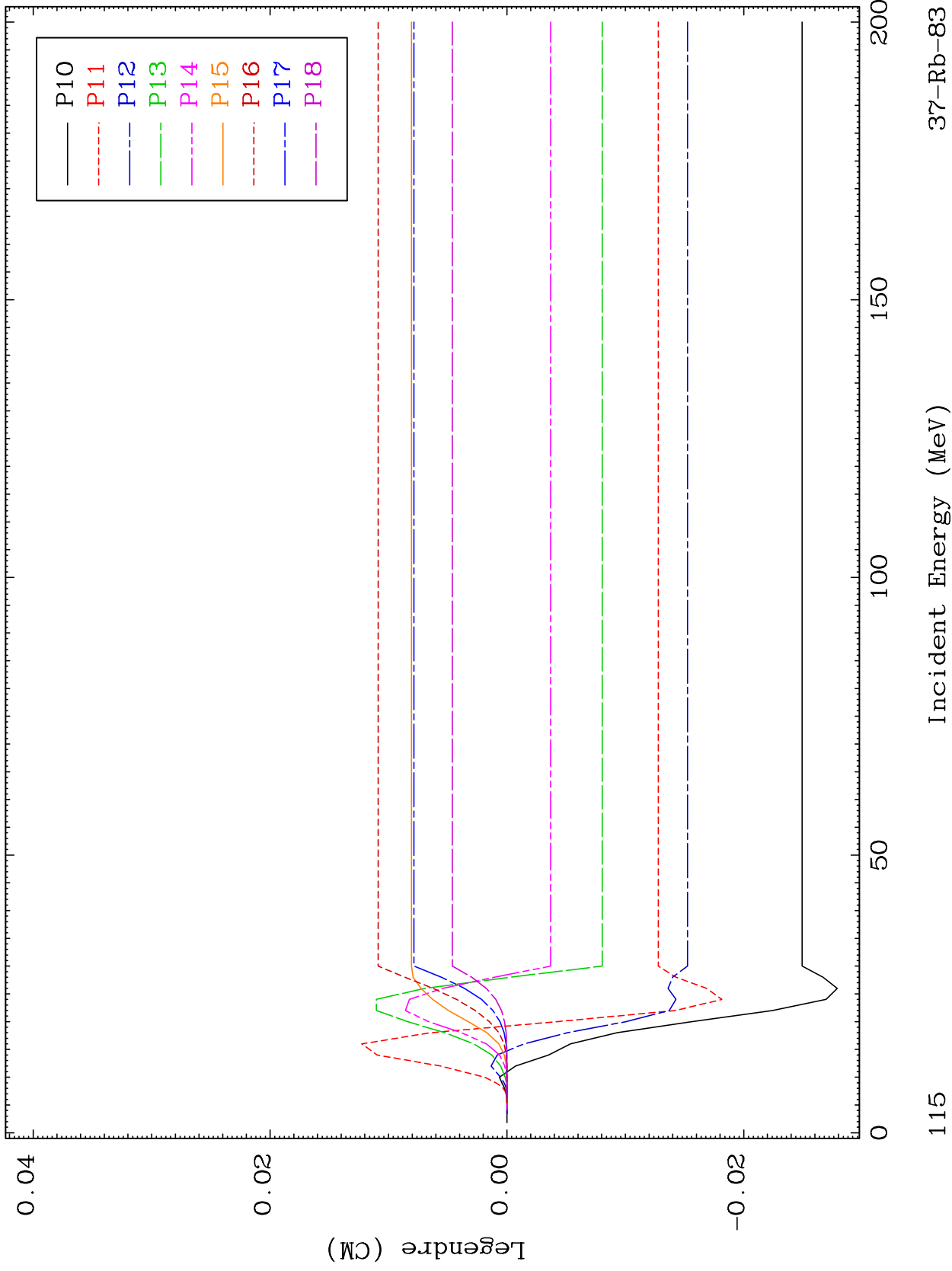




MAT 3719

1.343 MeV (n,n') Level  
Legendre Coefficients

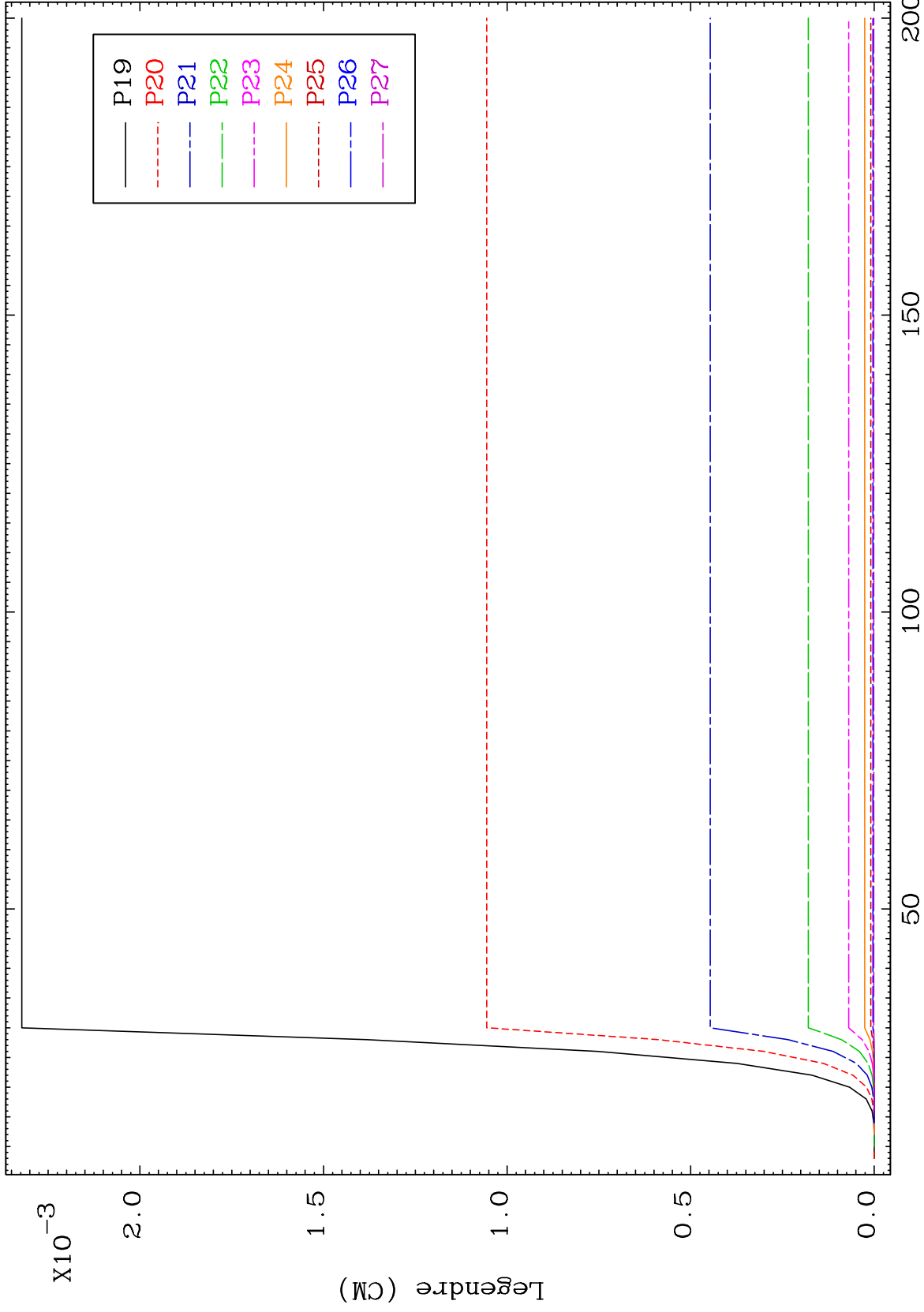
37-Rb-83



115

Incident Energy (MeV)

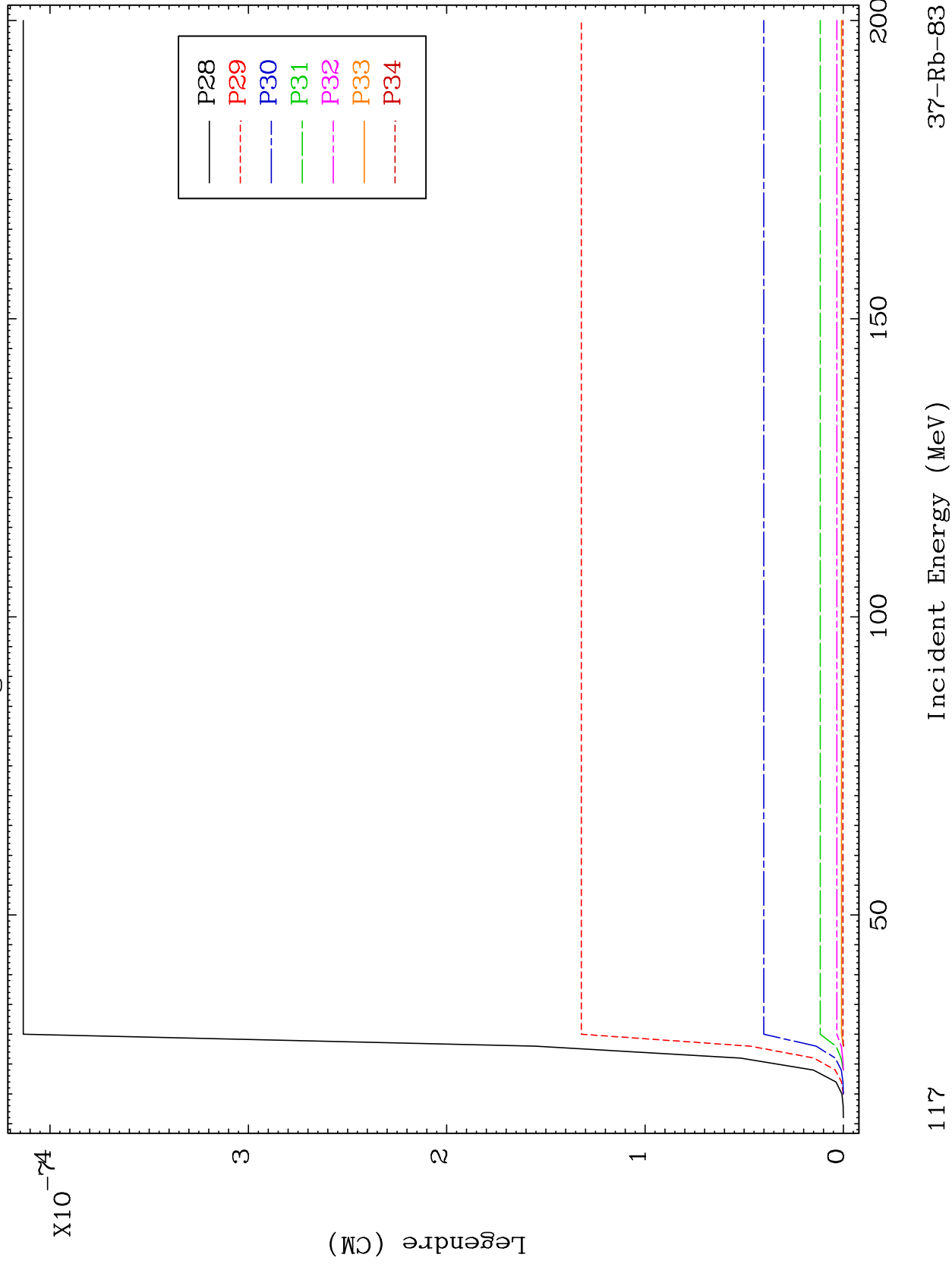
37-Rb-83



MAT 3719

1.343 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



117

Incident Energy (MeV)

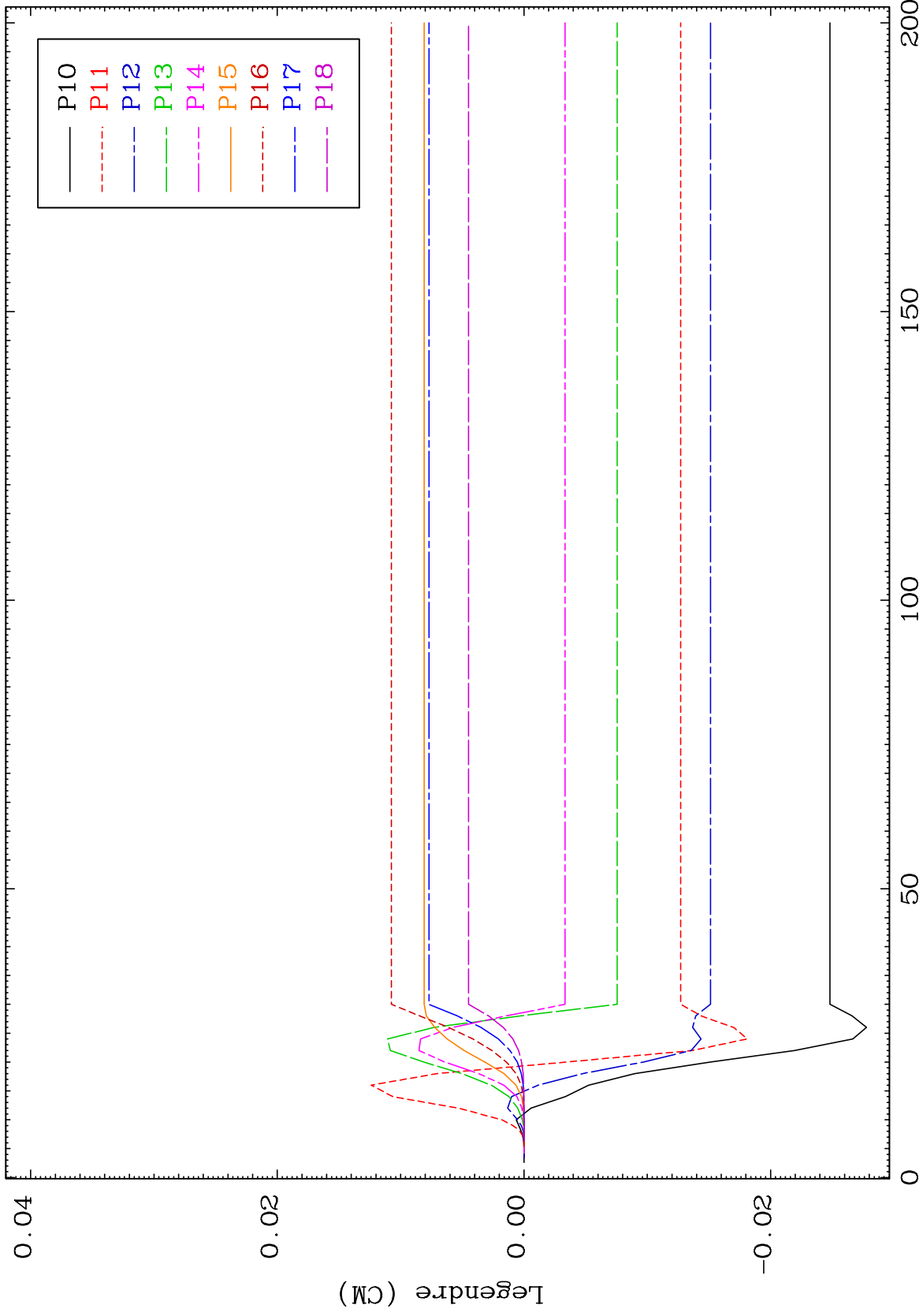
37-Rb-83



MAT 3719

1.587 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



119

Incident Energy (MeV)

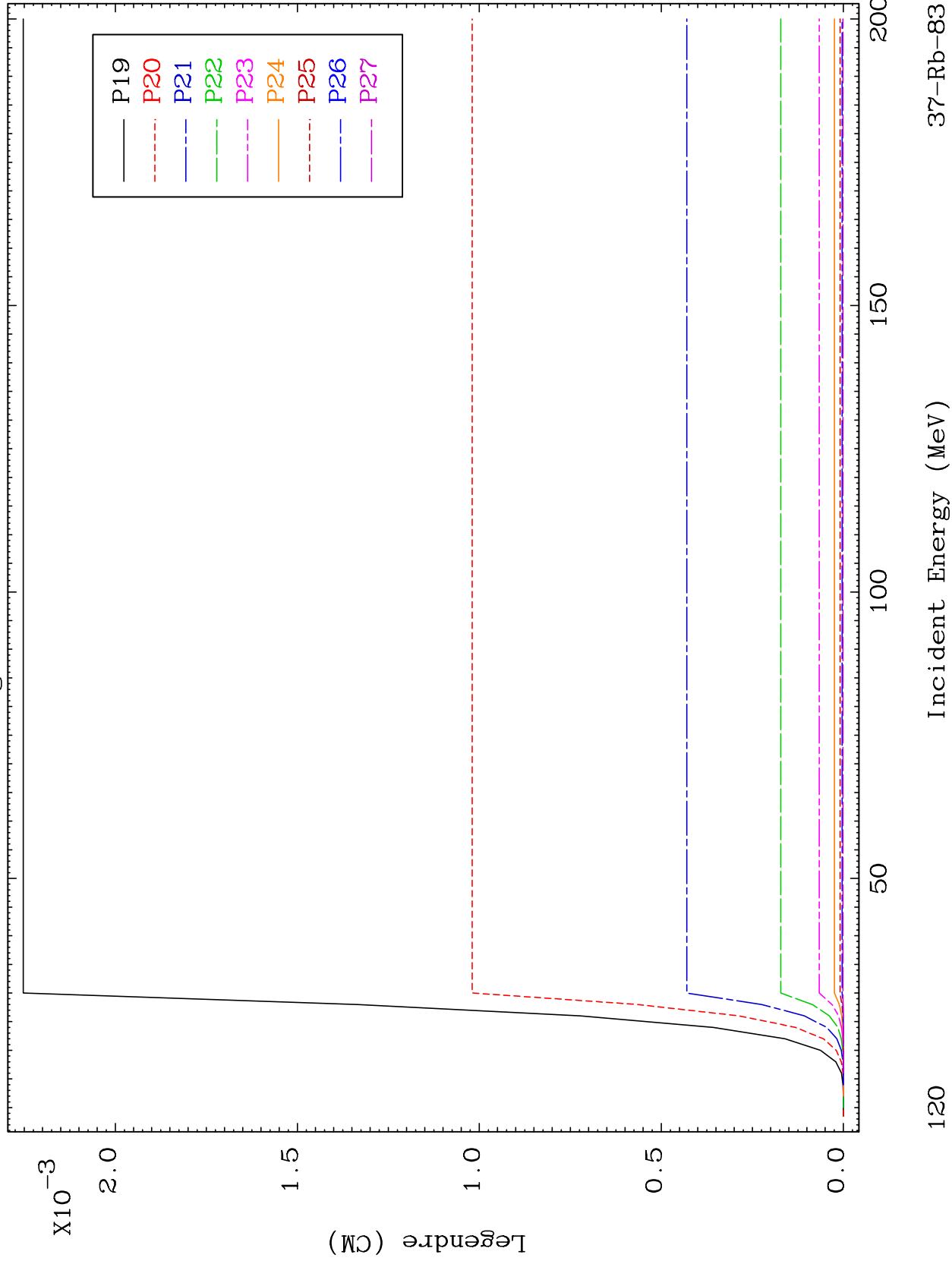
37-Rb-83



MAT 3719

1.587 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



120

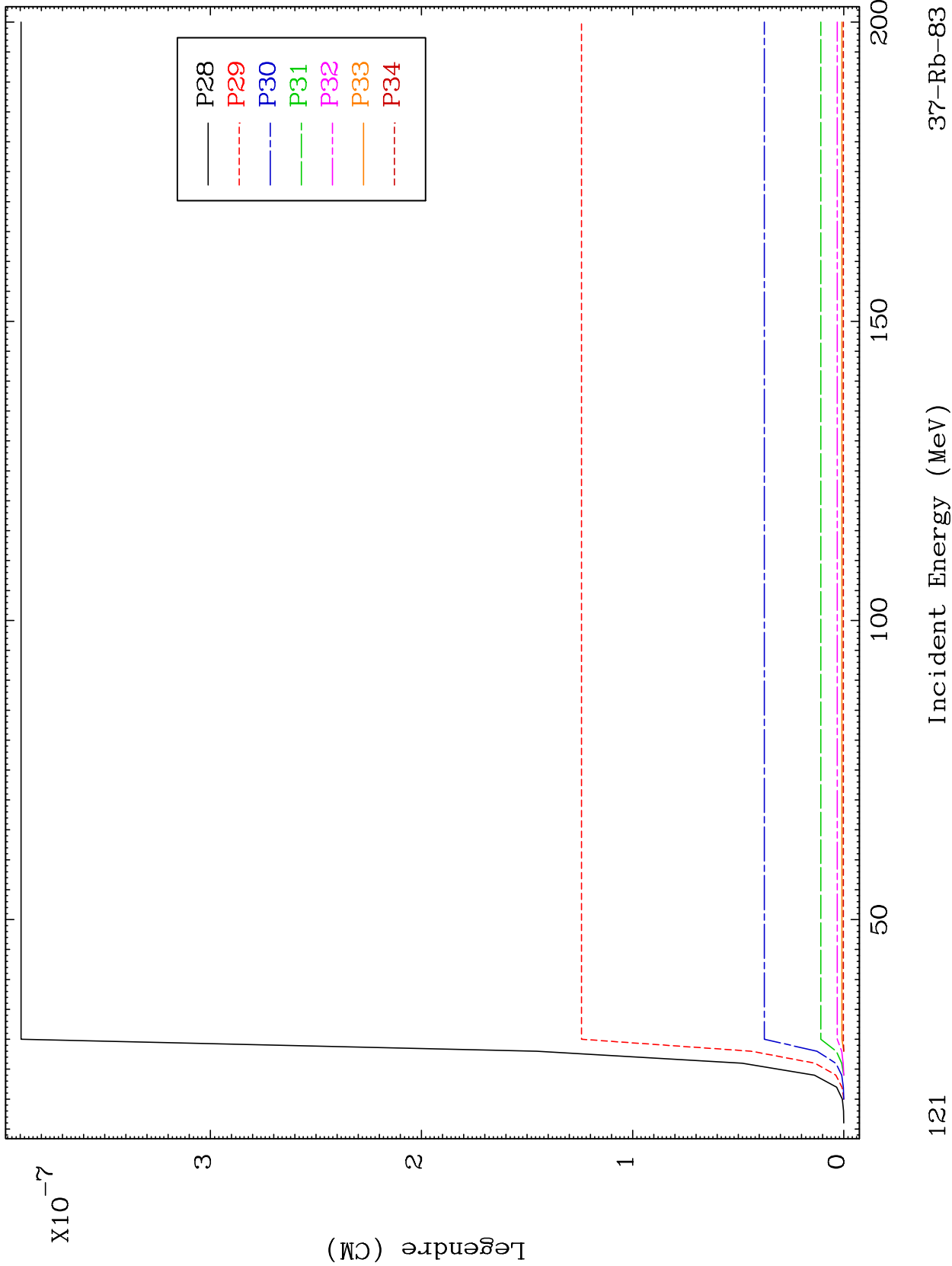
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.587 MeV (n,n') Level  
Legendre Coefficients

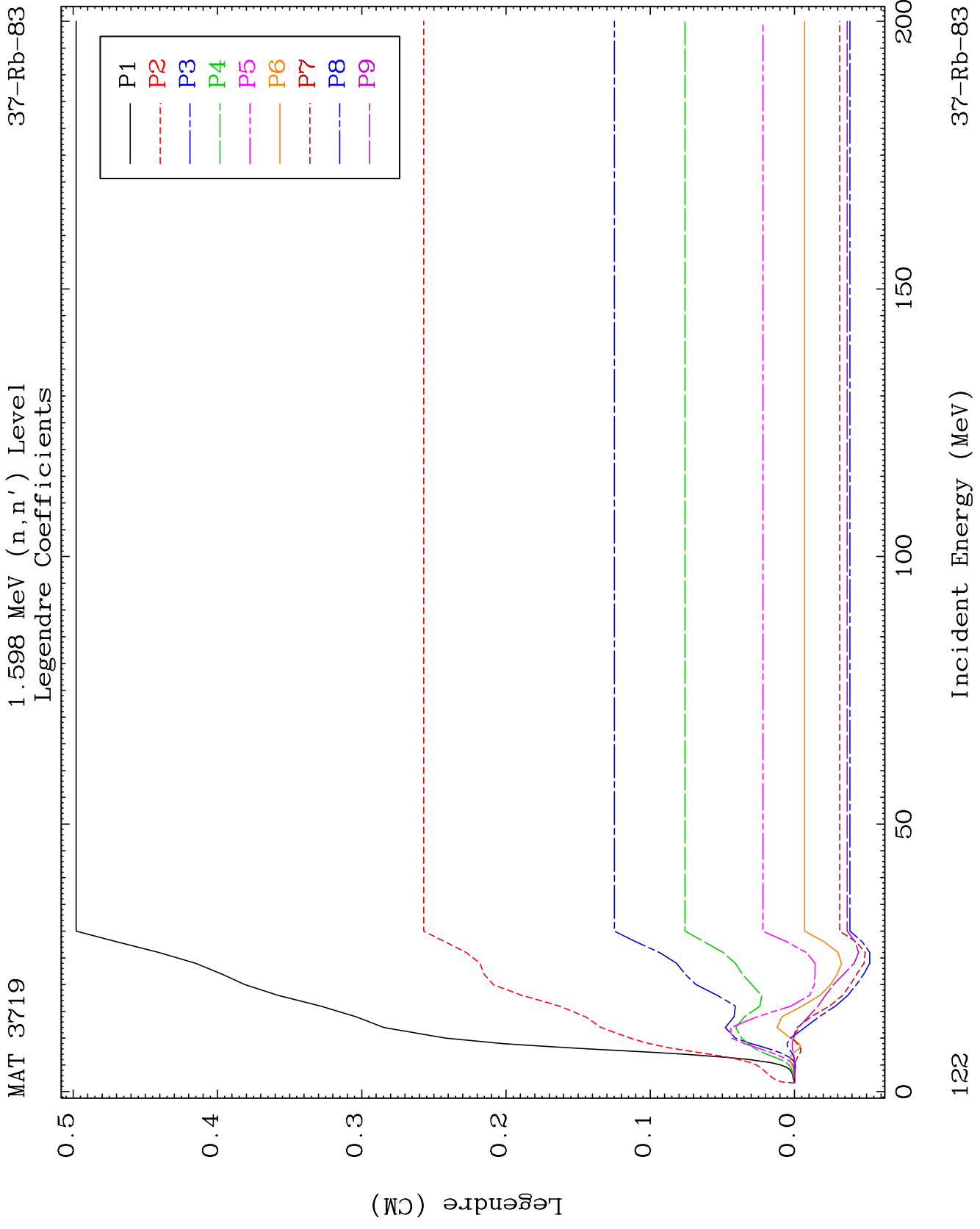
37-Rb-83



121

Incident Energy (MeV)

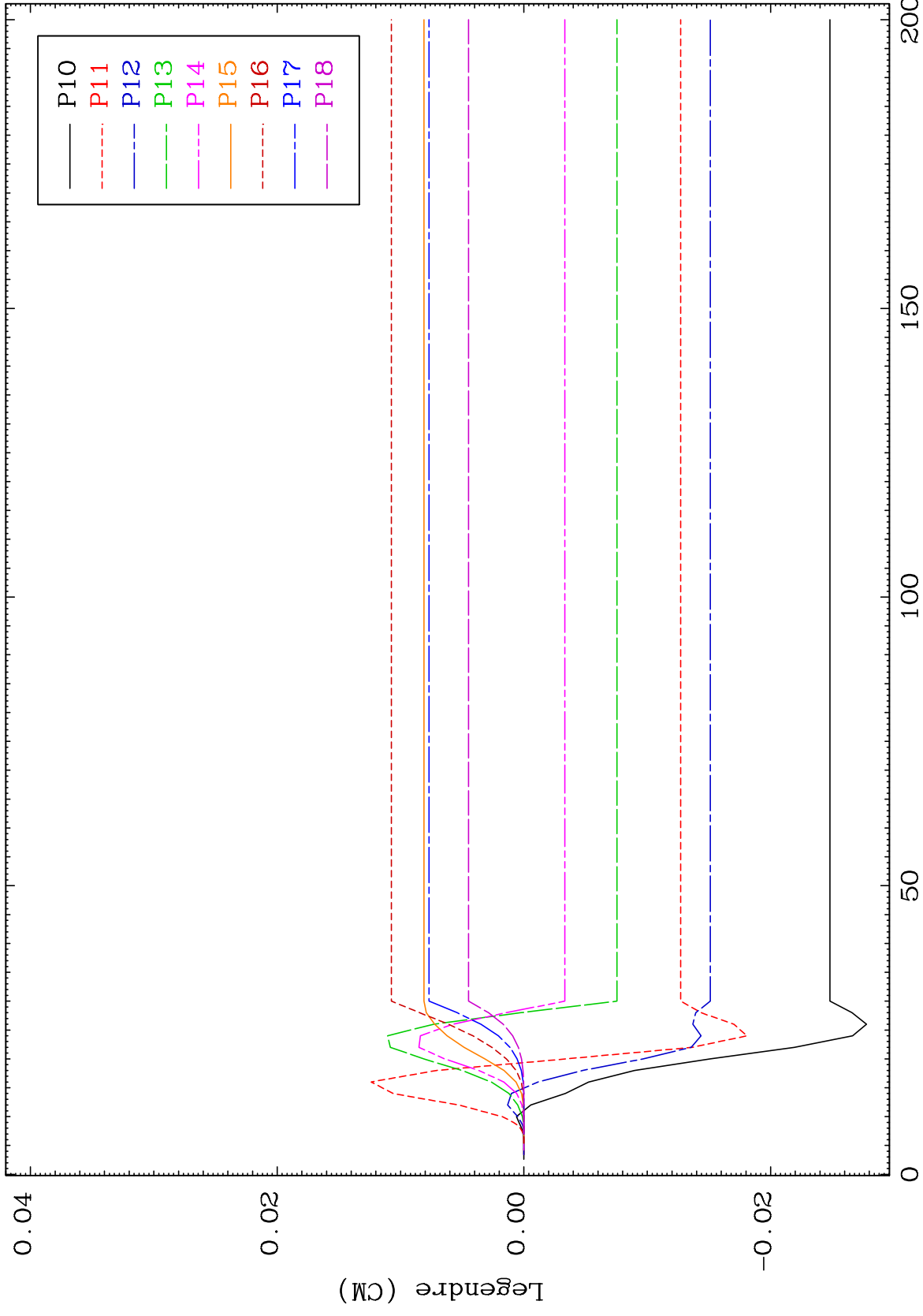
37-Rb-83



MAT 3719

1.598 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



123

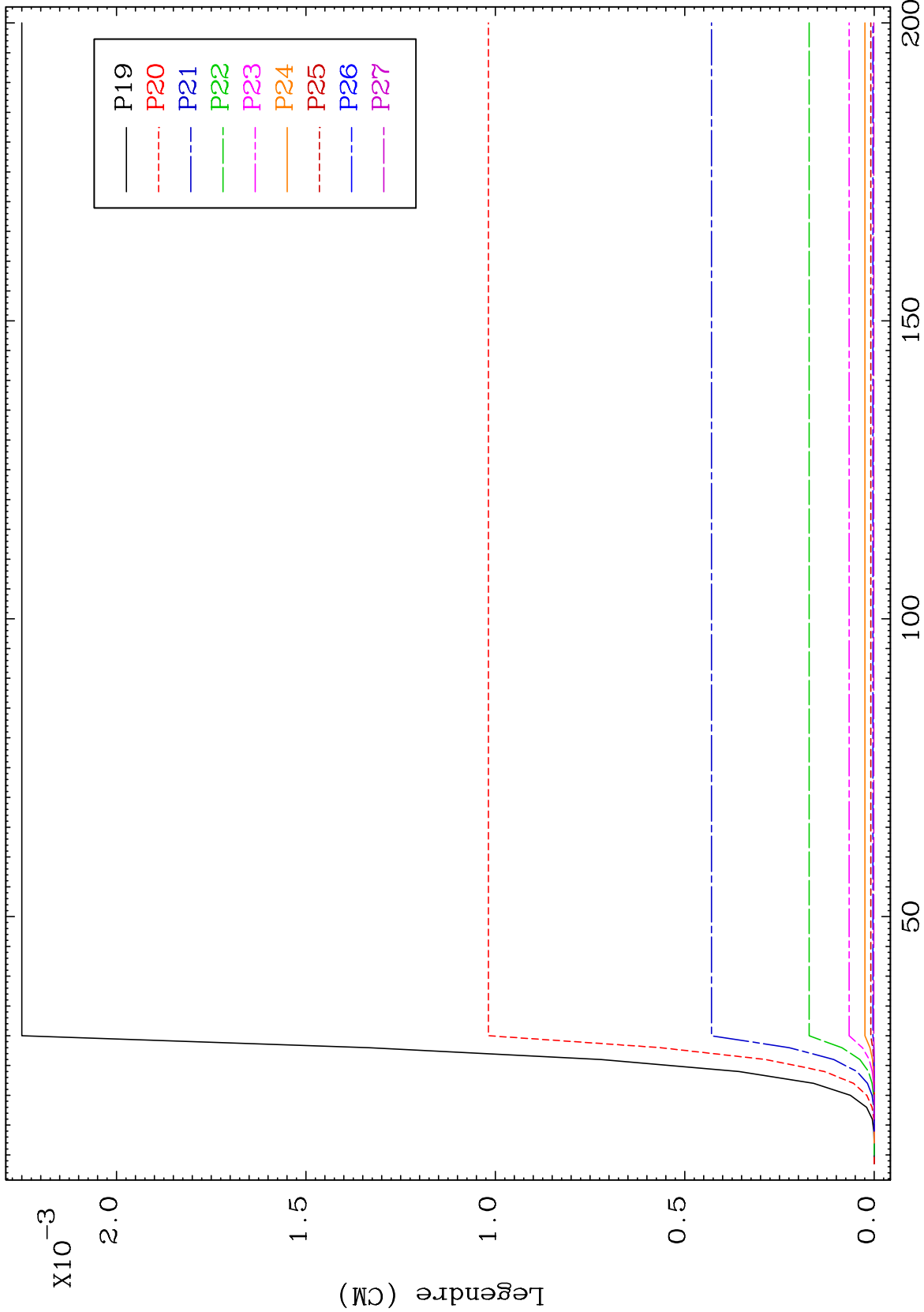
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.598 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



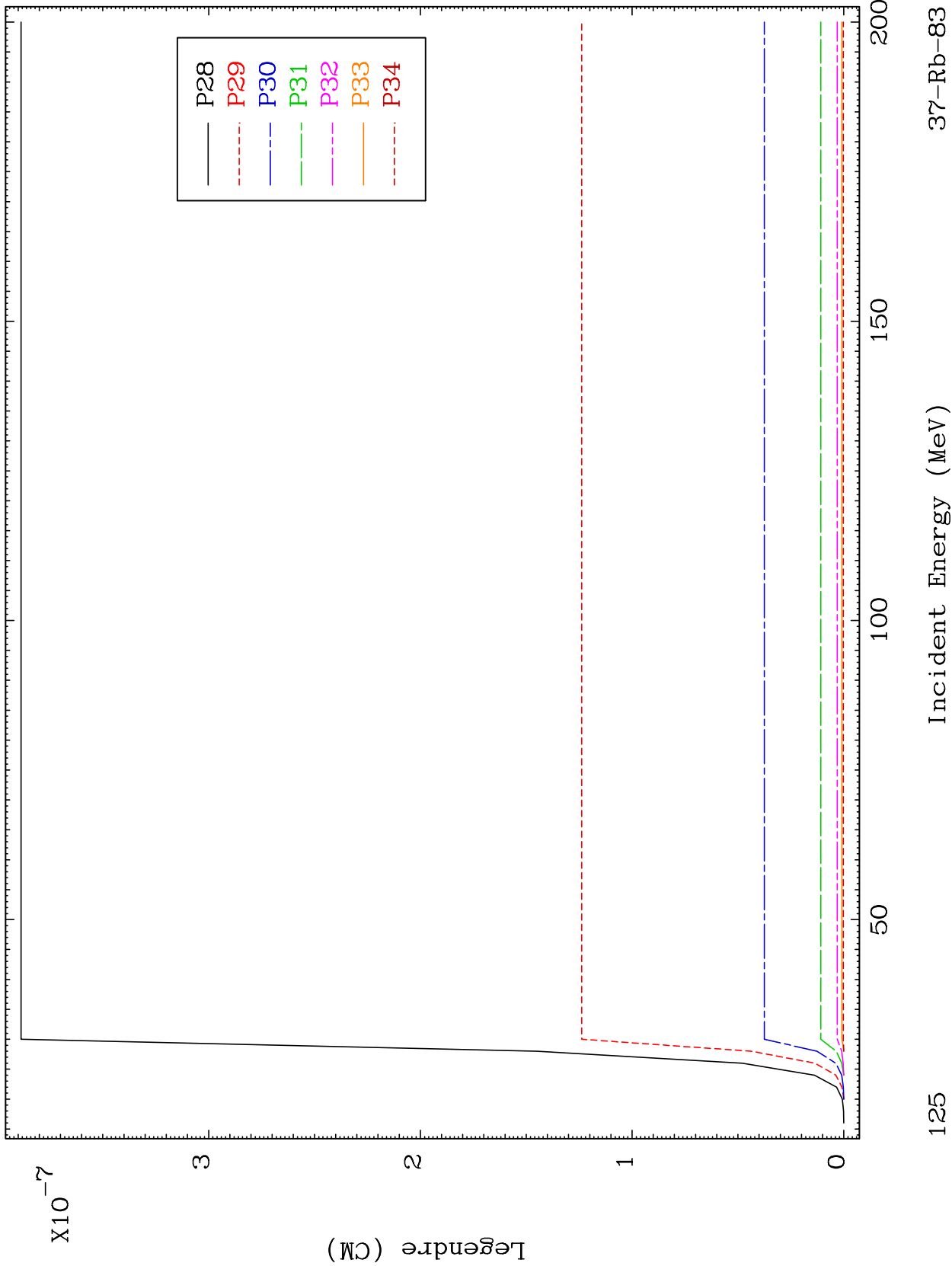
124

37-Rb-83

MAT 3719

1.598 MeV (n,n') Level  
Legendre Coefficients

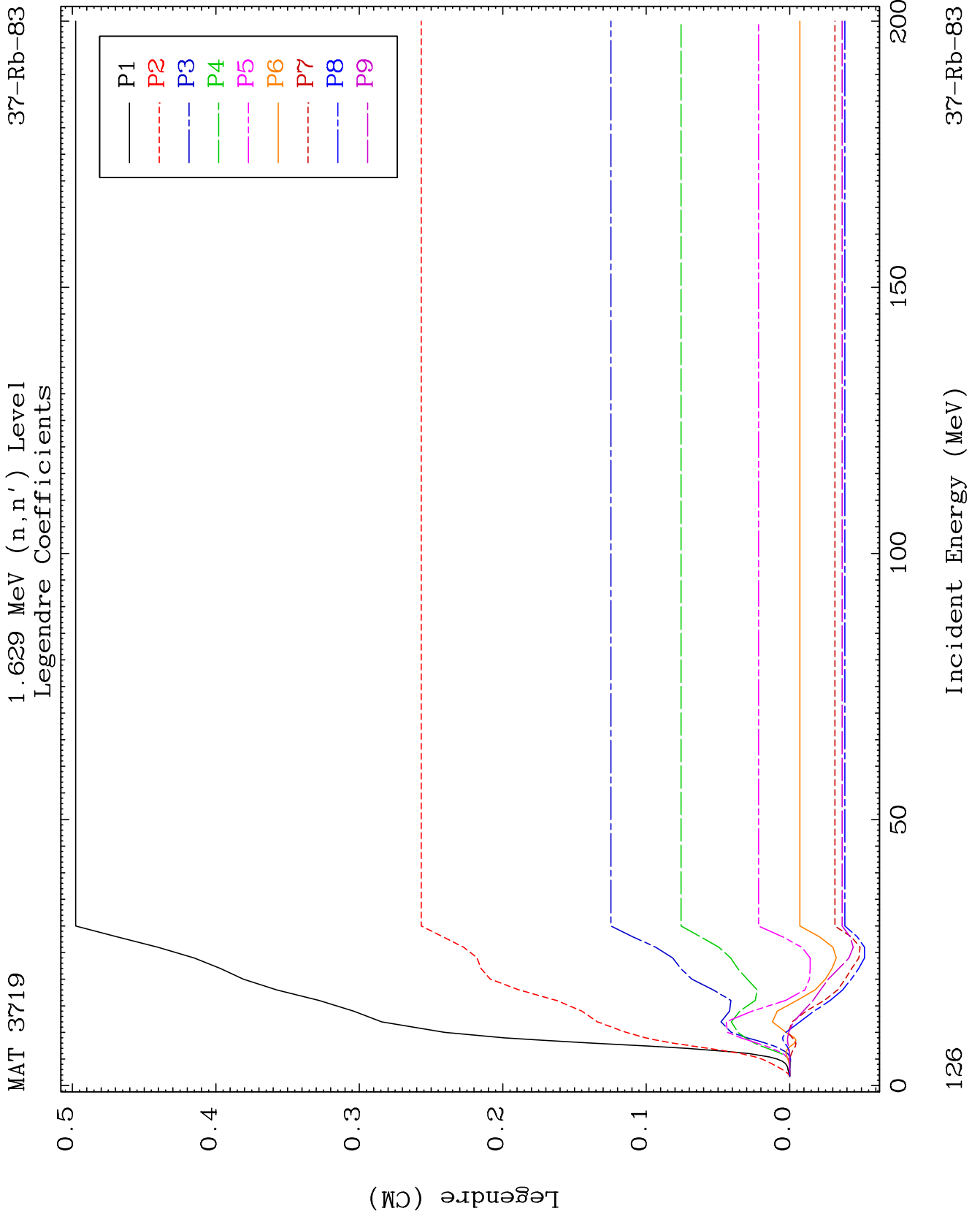
37-Rb-83



125

Incident Energy (MeV)

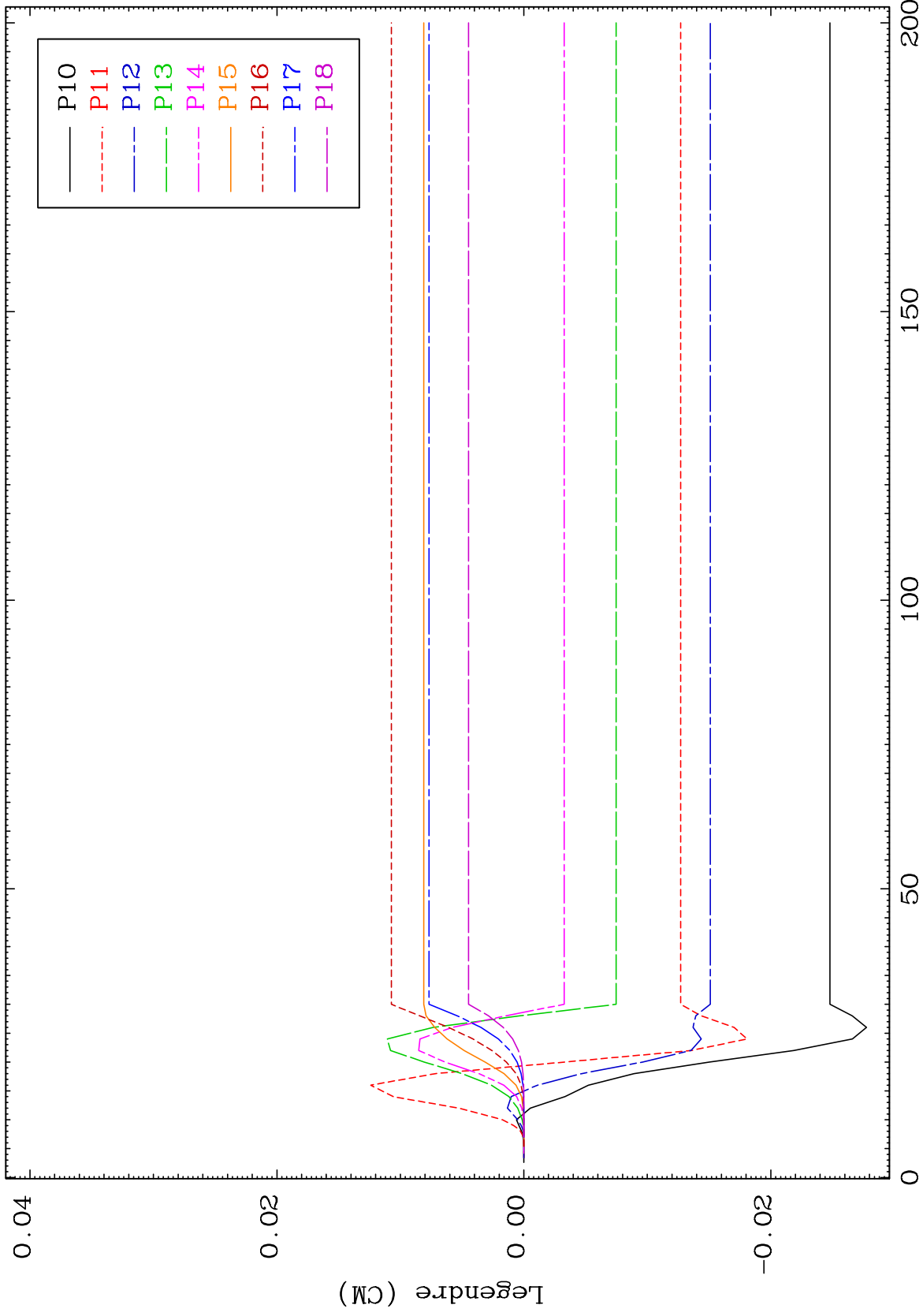
37-Rb-83



MAT 3719

1.629 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83

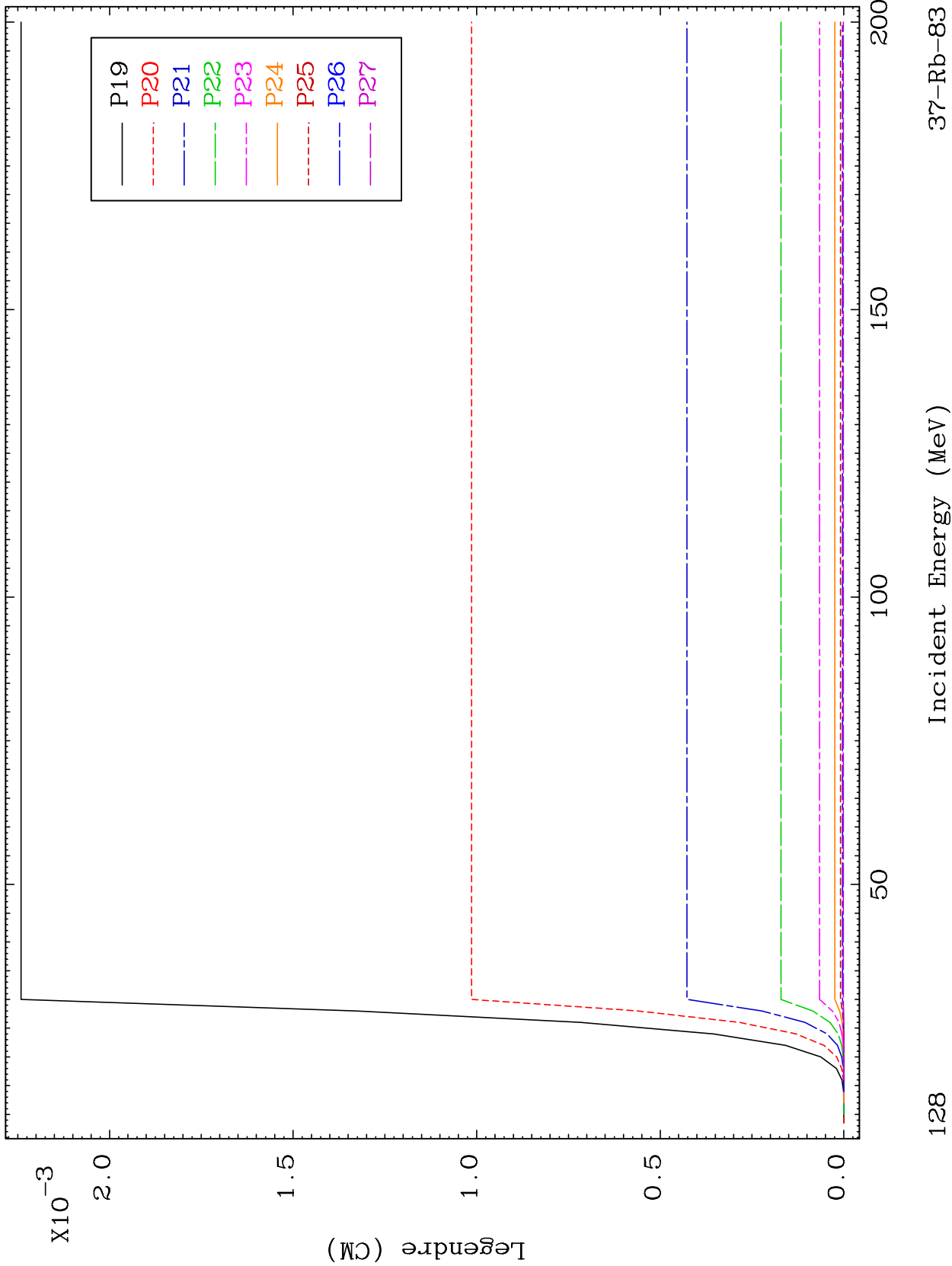


127

Incident Energy (MeV)

37-Rb-83

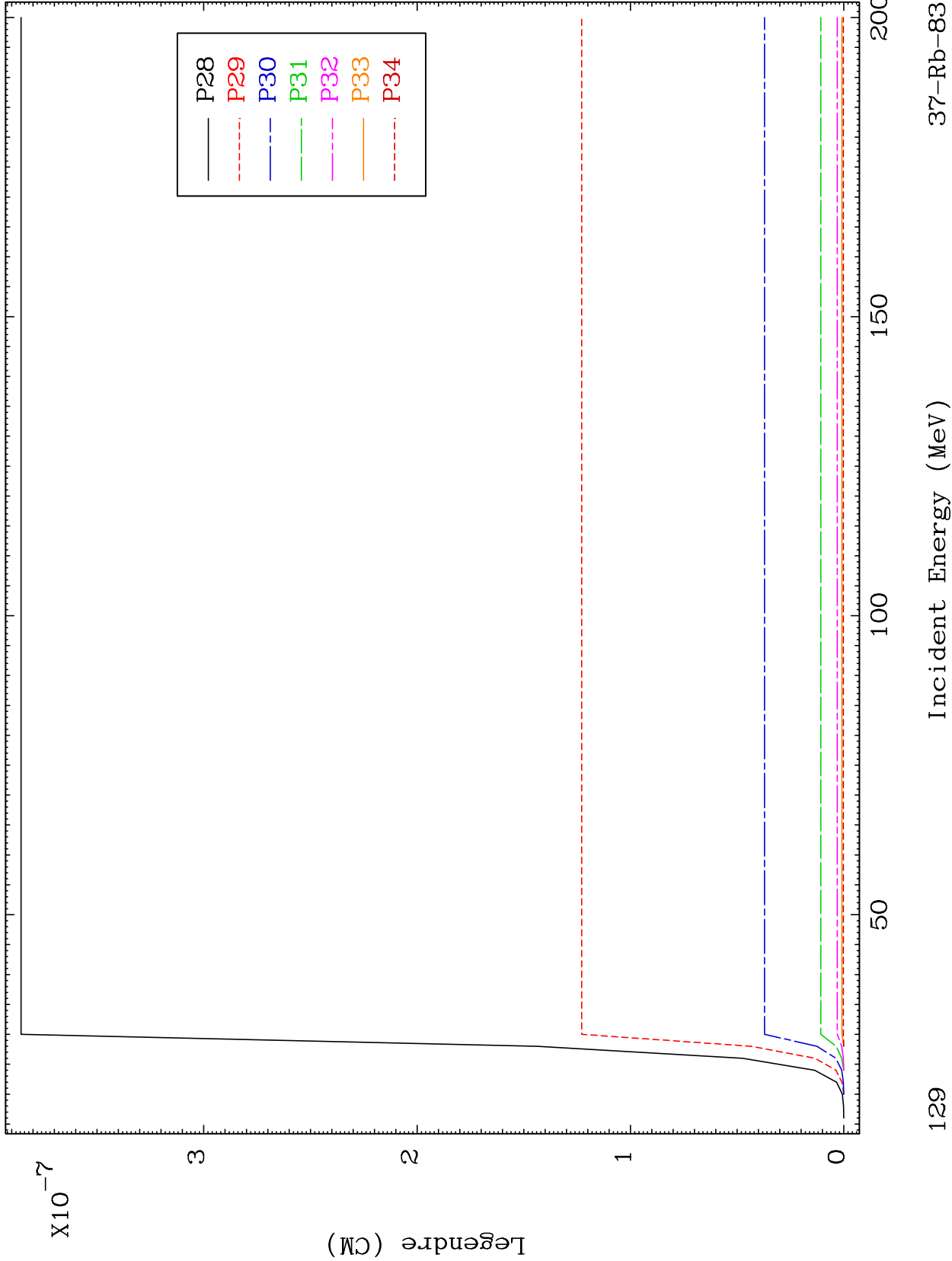




MAT 3719

1.629 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



129

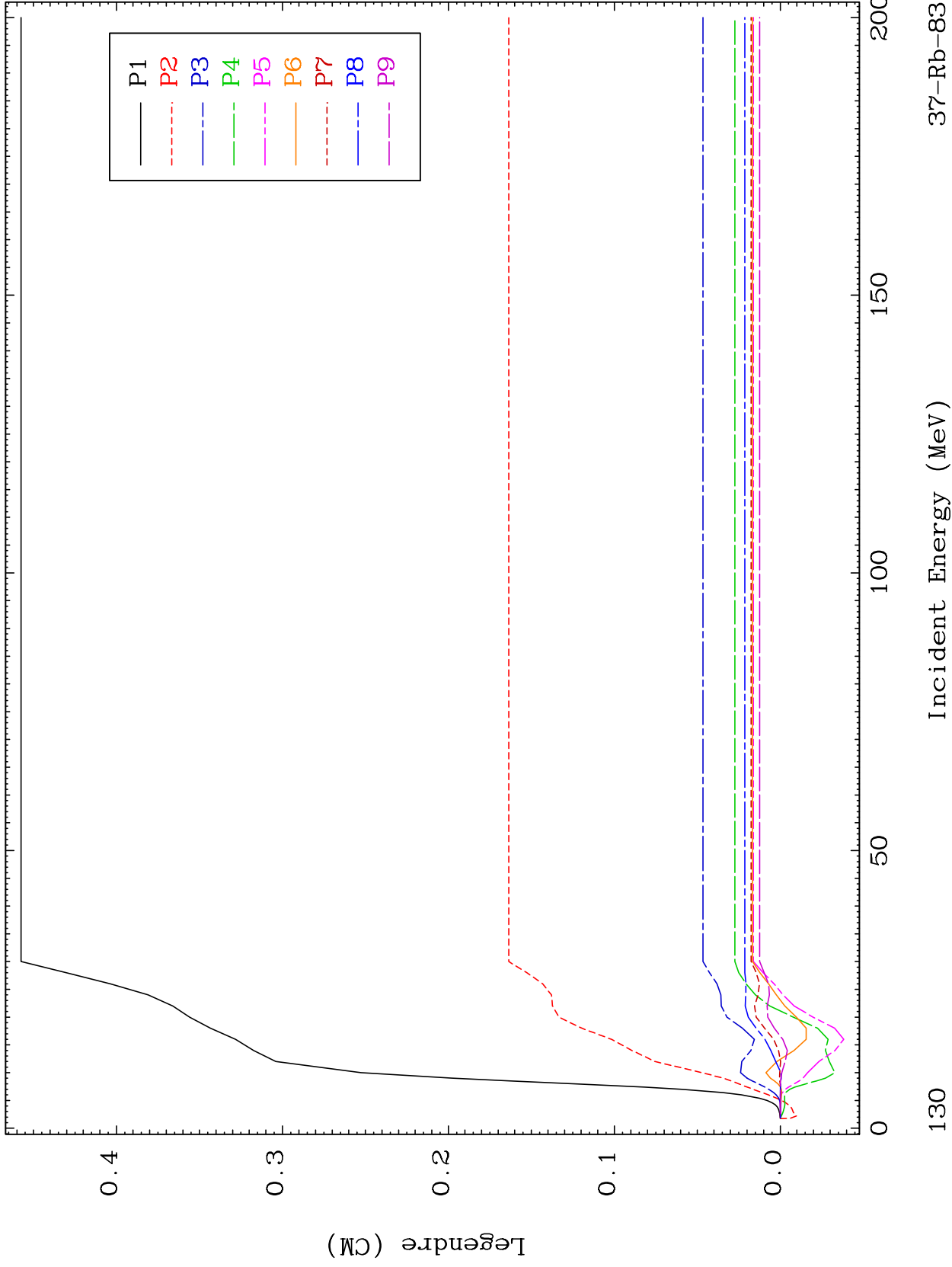
Incident Energy (MeV)

37-Rb-83

MAT 3719

1.695 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



37-Rb-83

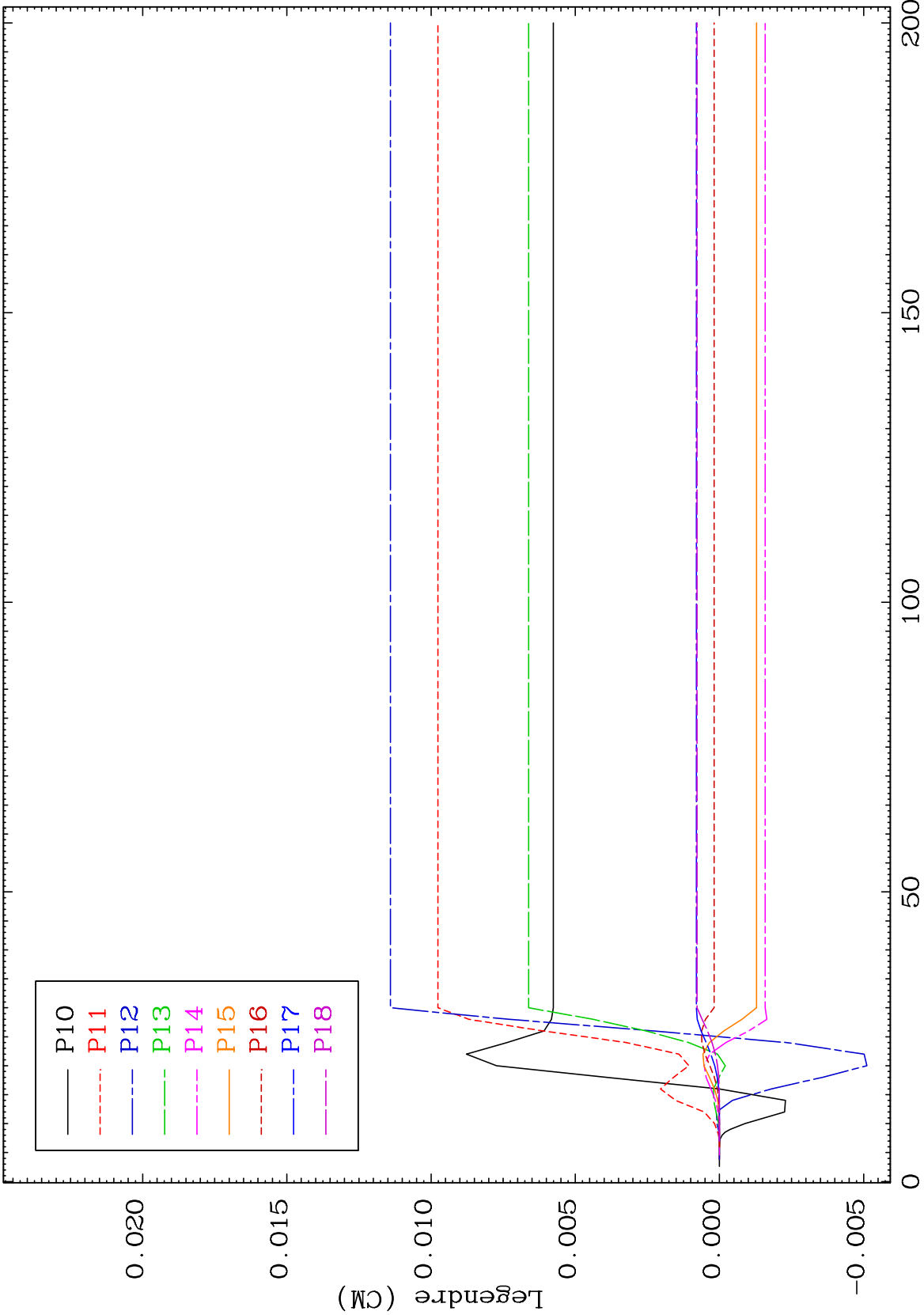
Incident Energy (MeV)

130

MAT 3719

1.695 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



131

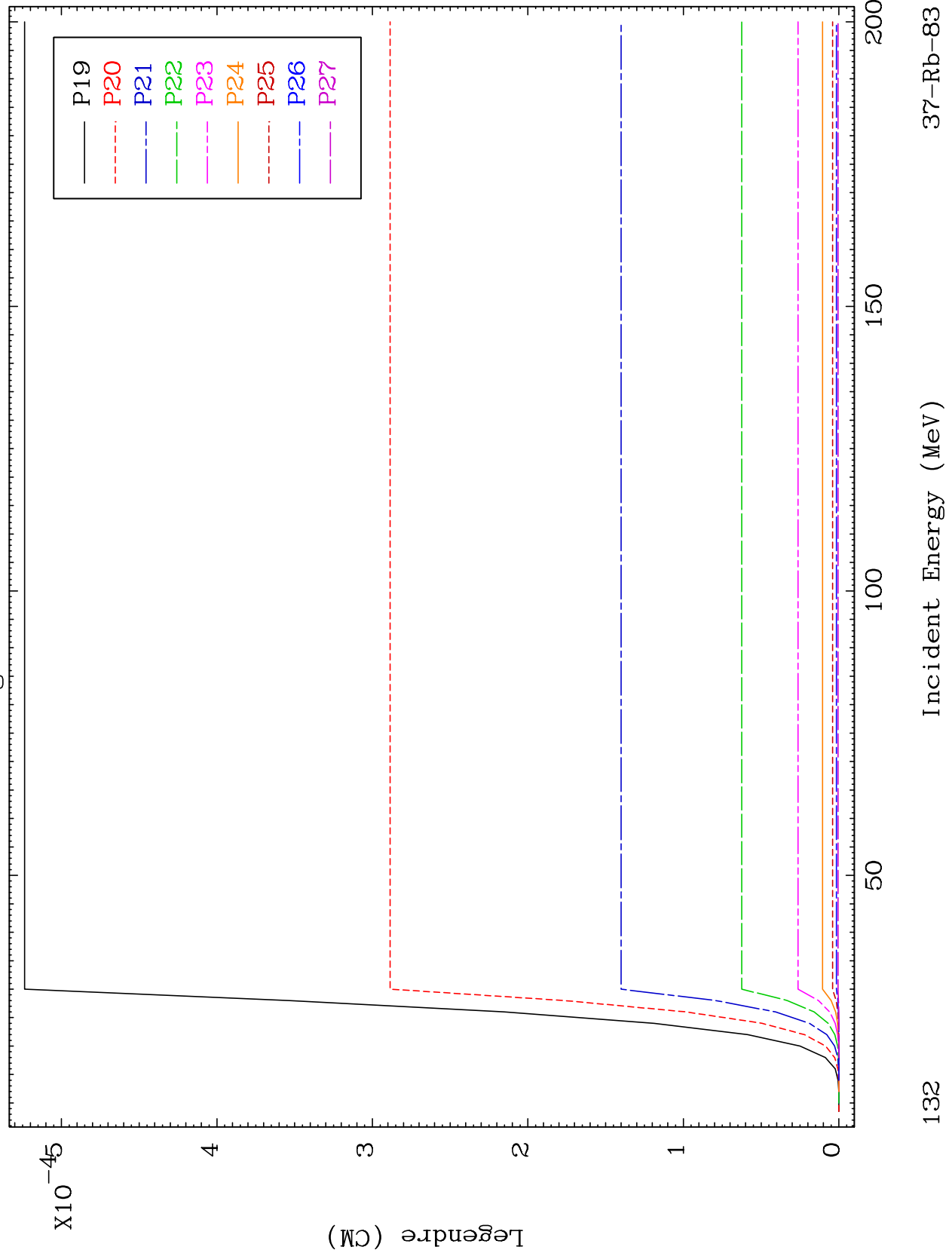
Incident Energy (MeV)

37-Rb-83

MAT 3719

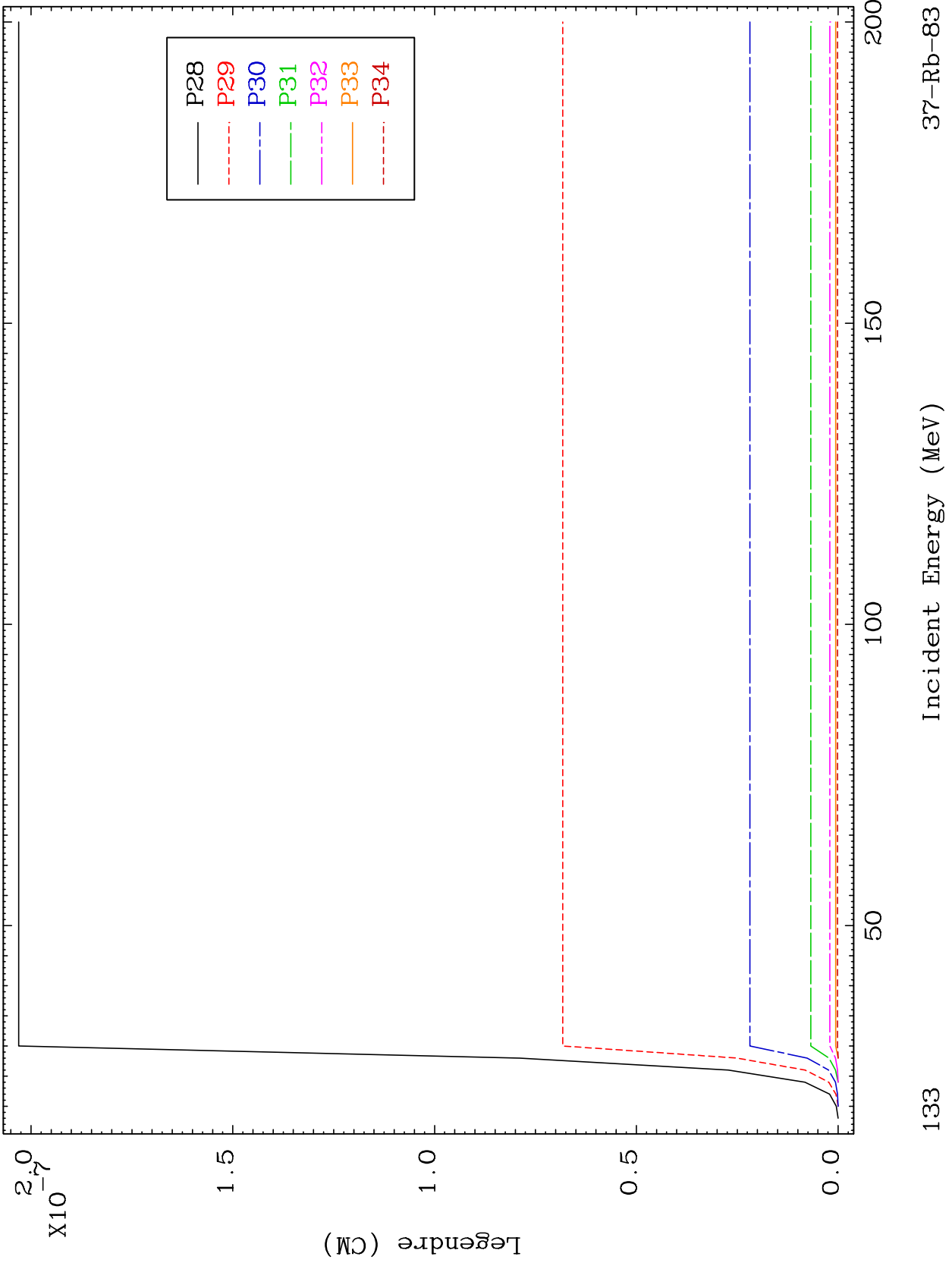
1.695 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



132

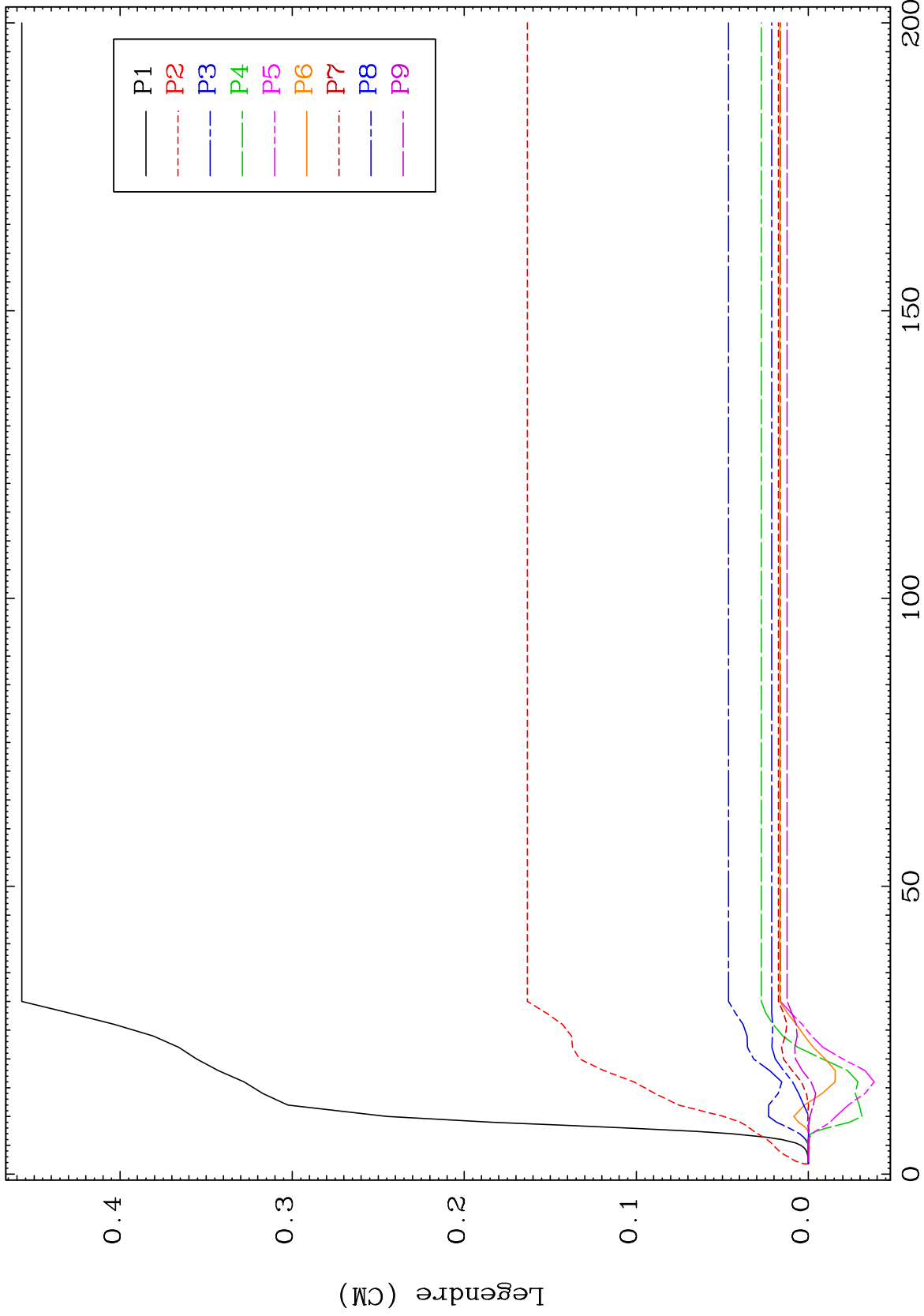
37-Rb-83



MAT 3719

1.749 MeV (n,n') Level  
Legendre Coefficients

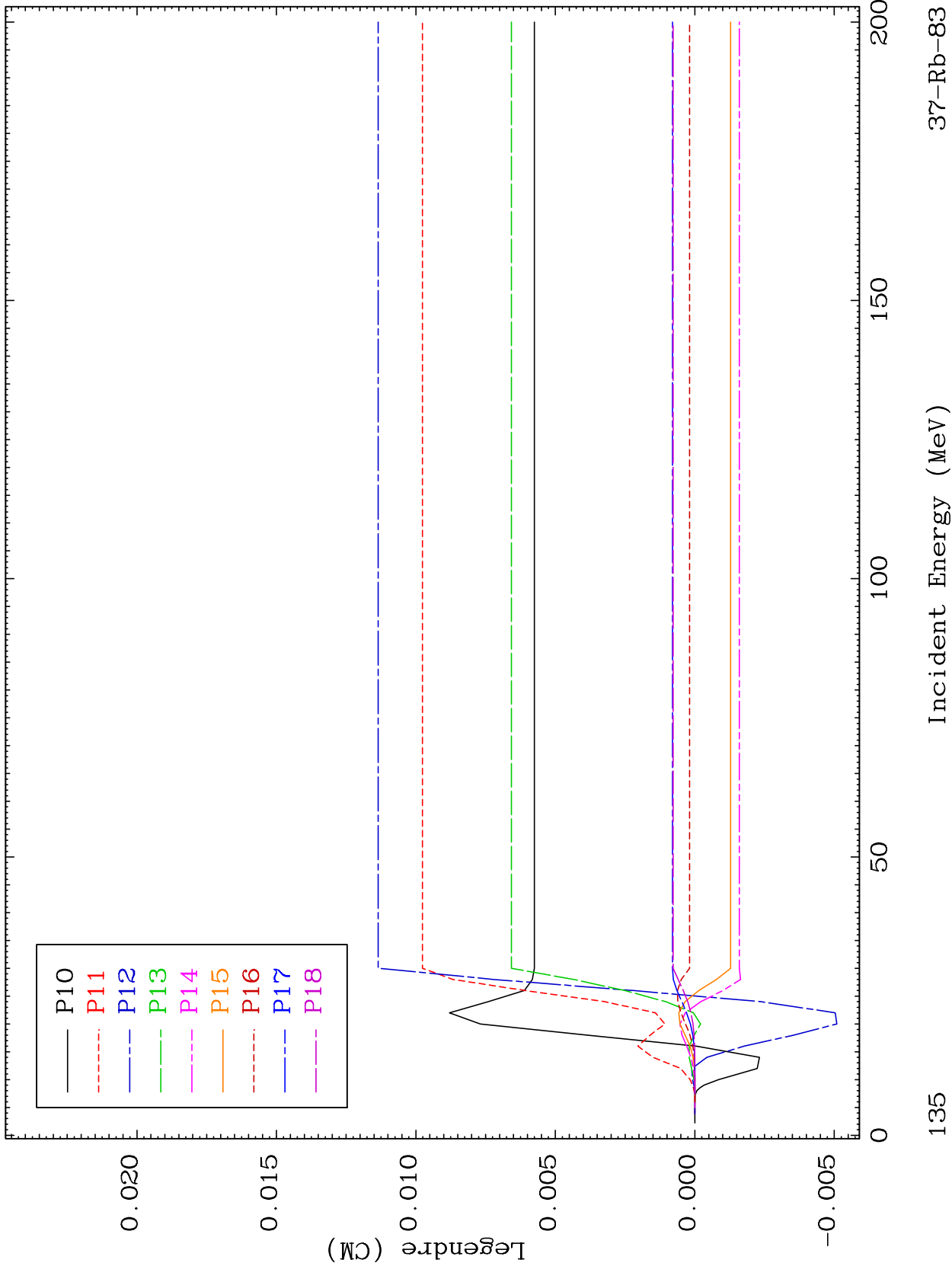
37-Rb-83



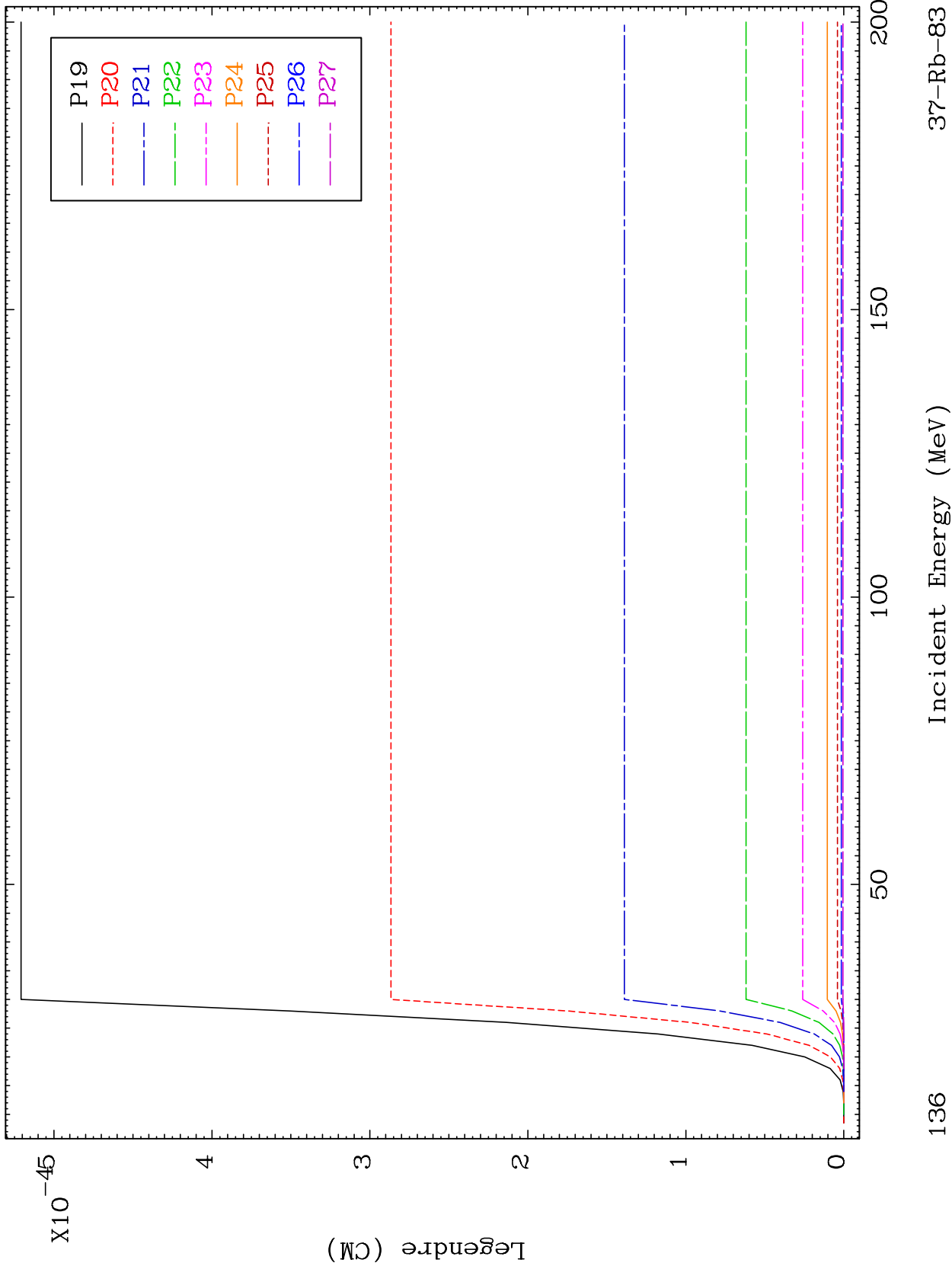
134

Incident Energy (MeV)

37-Rb-83



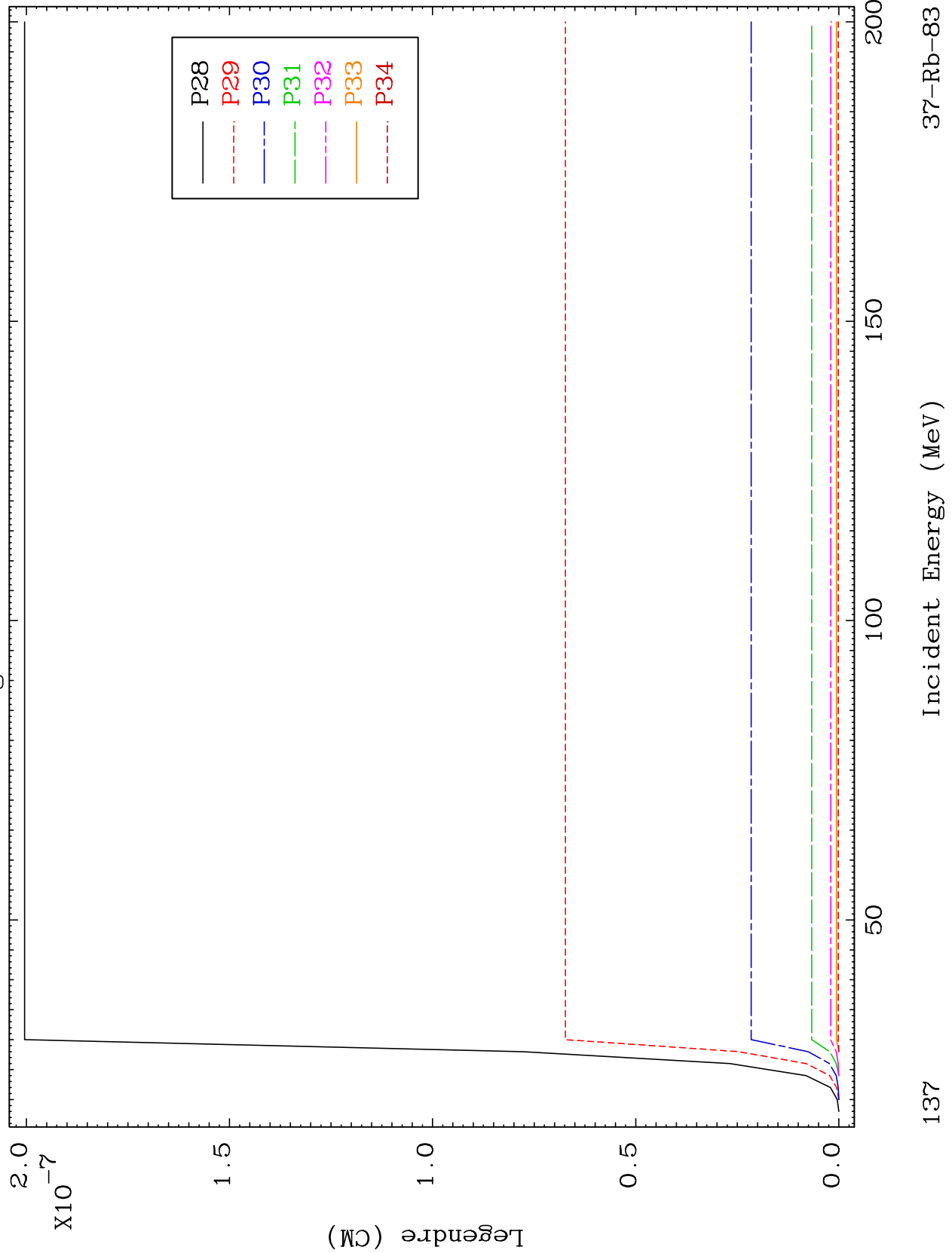




MAT 3719

1.749 MeV (n,n') Level  
Legendre Coefficients

37-Rb-83



37-Rb-83

Incident Energy (MeV)

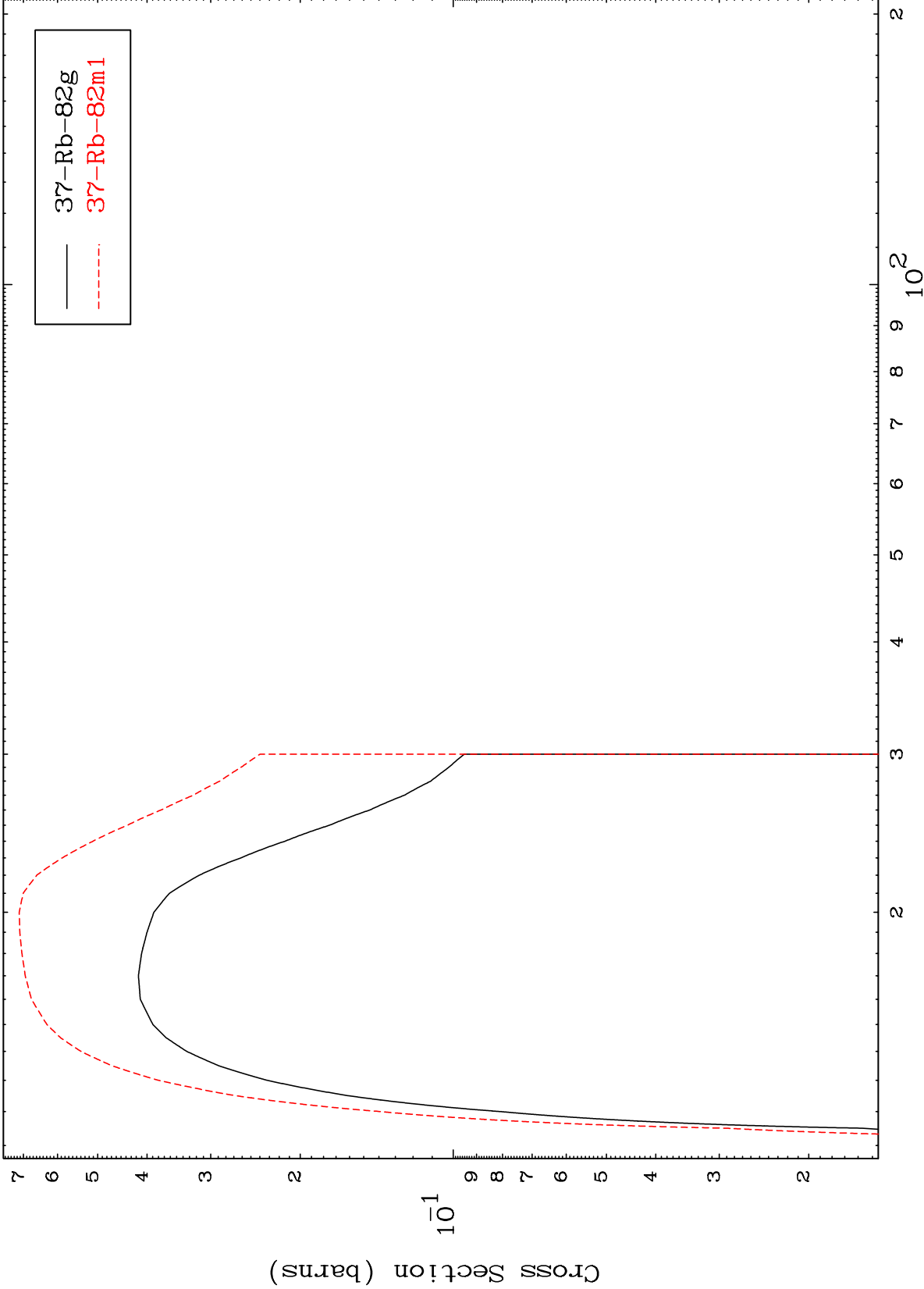
137

MAT 3719

37-Rb-83

(n,2n)

Radionuclide Production Cross Section



37-Rb-82g  
37-Rb-82m1

138

Incident Energy (MeV)

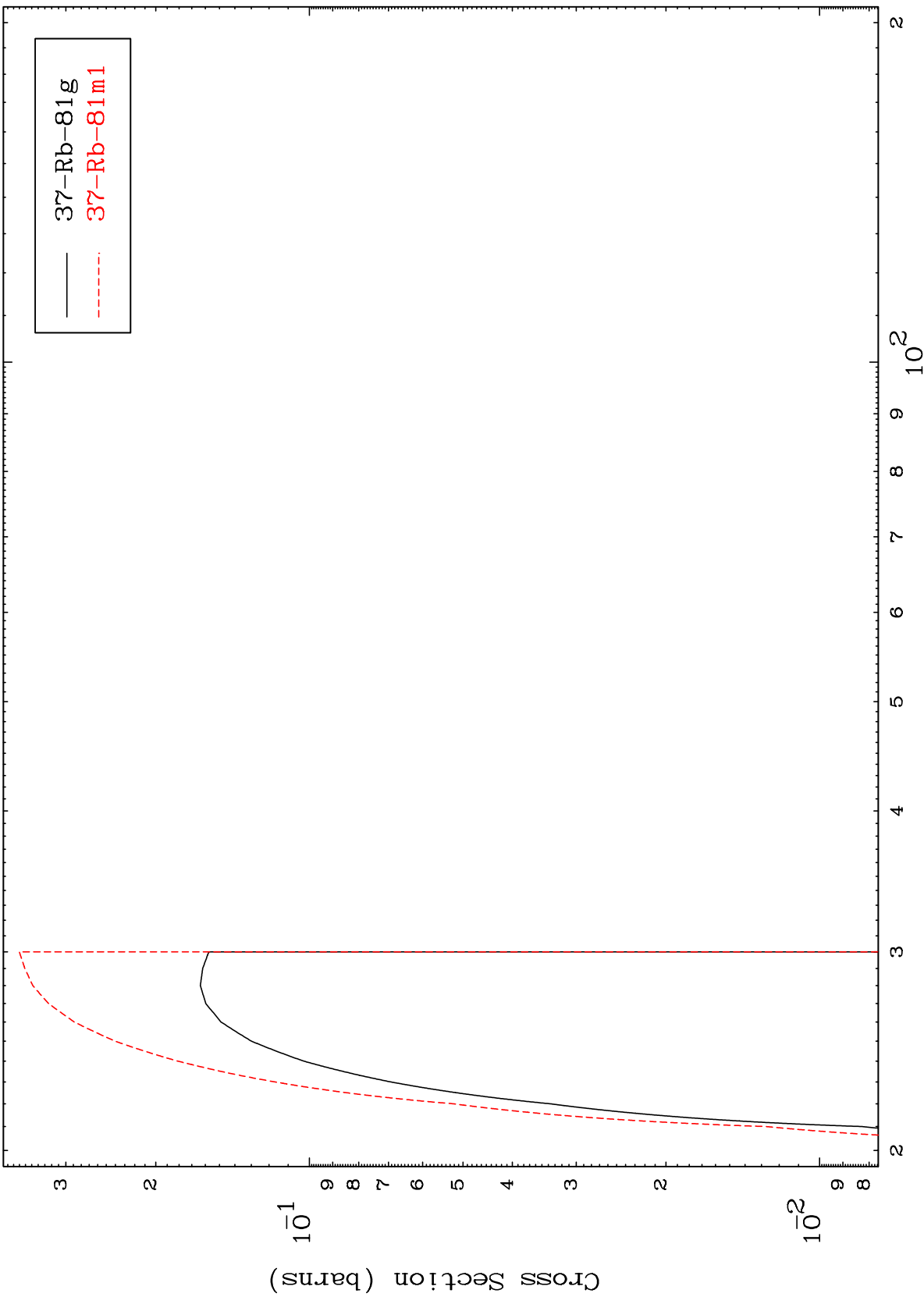
37-Rb-83

MAT 3719

37-Rb-83

(n,3n)

Radionuclide Production Cross Section



37-Rb-81 g  
37-Rb-81 m1

139

Incident Energy (MeV)

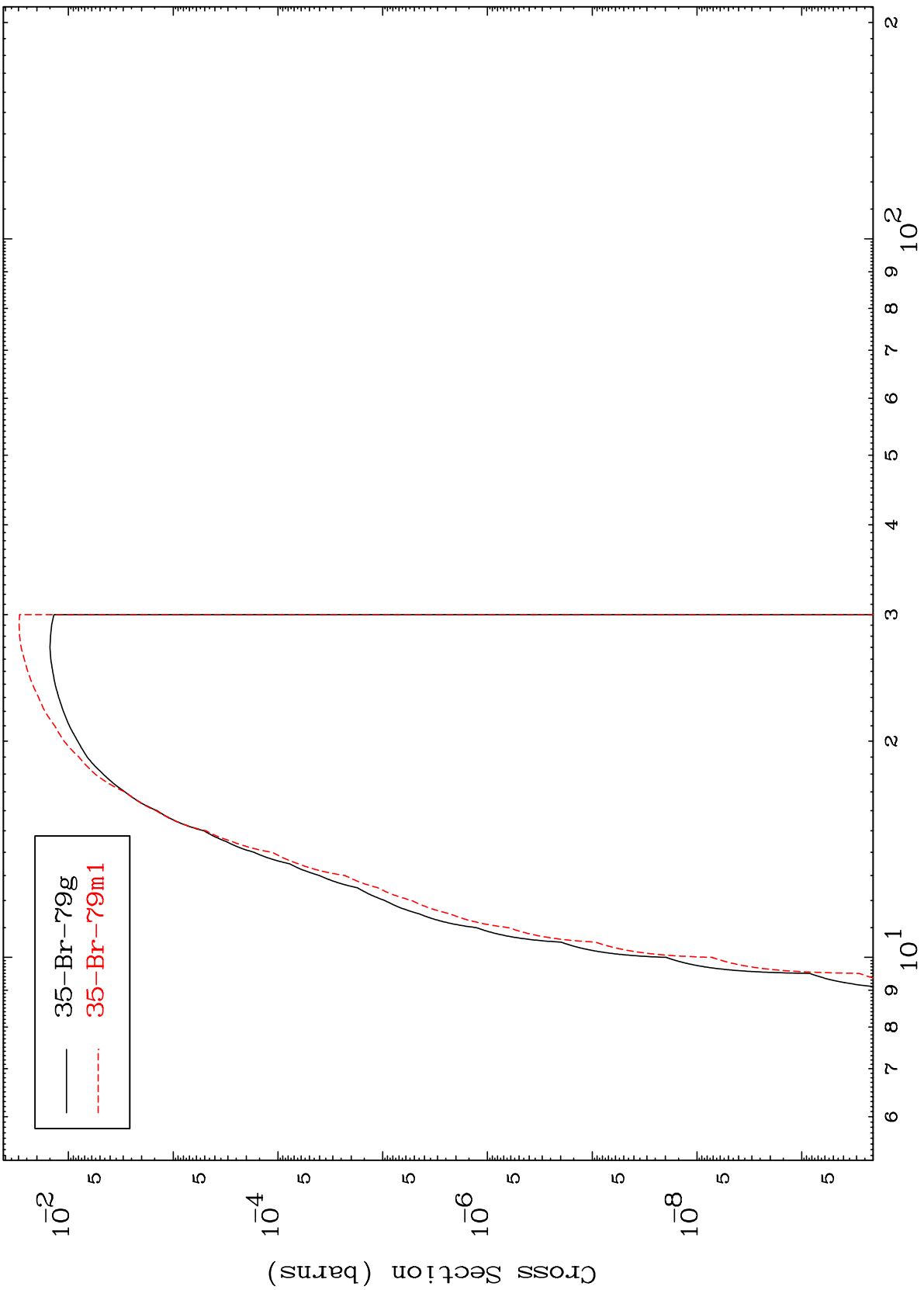
37-Rb-83

MAT 3719

37-Rb-83

(n,n')  $\alpha$

Radionuclide Production Cross Section



140

Incident Energy (MeV)

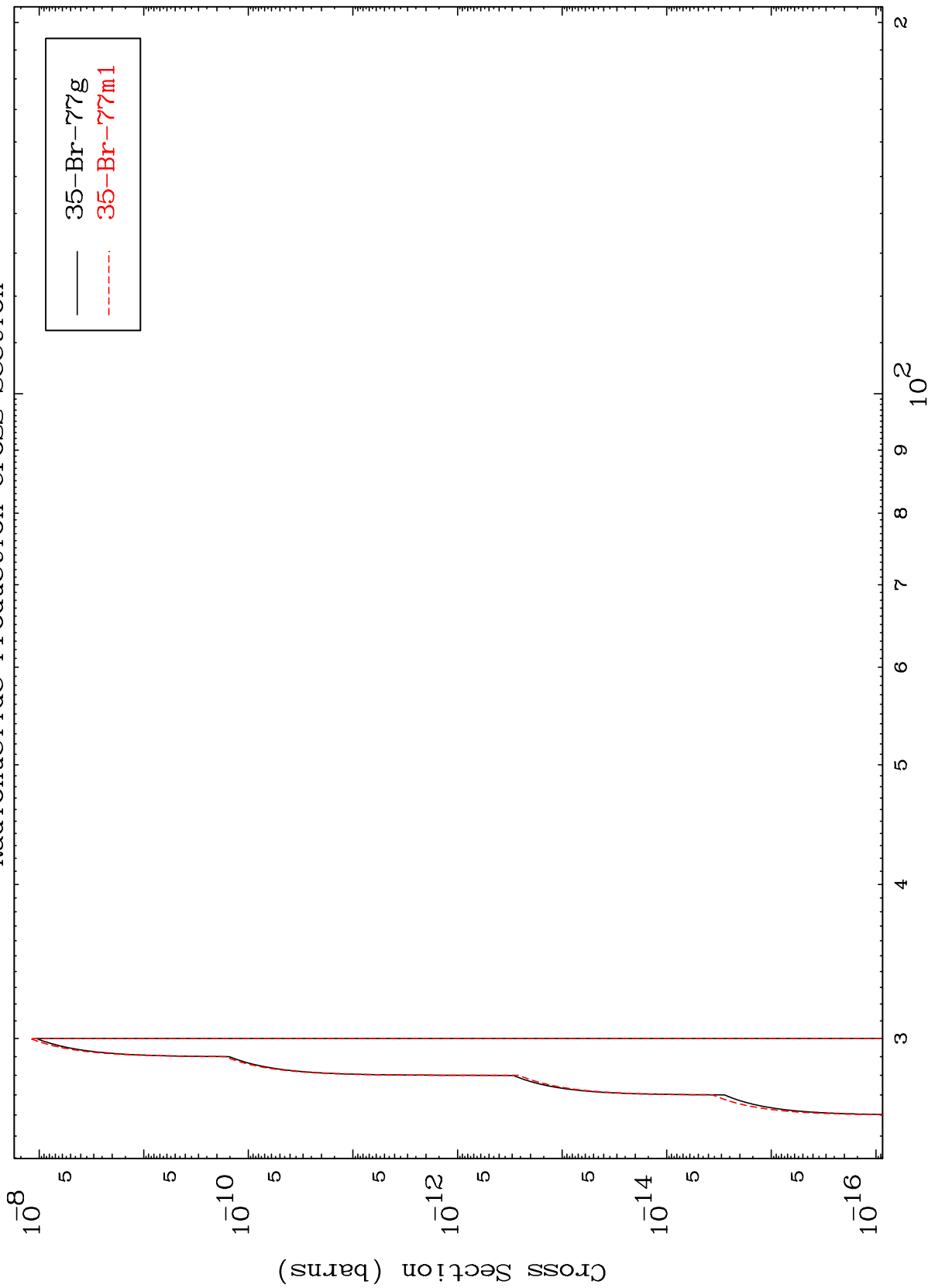
37-Rb-83

MAT 3719

(n,3n)  $\alpha$

37-Rb-83

Radionuclide Production Cross Section

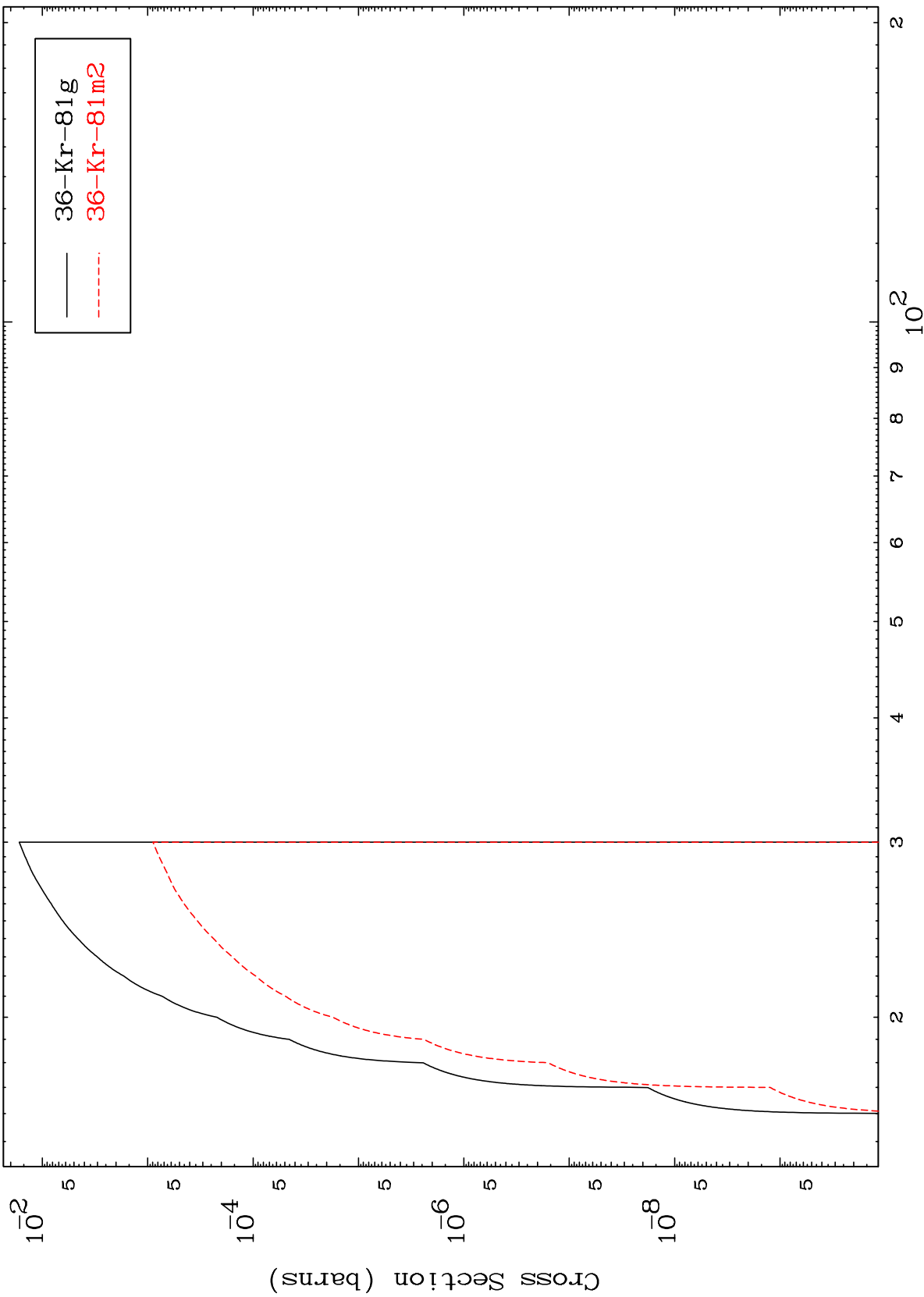


141

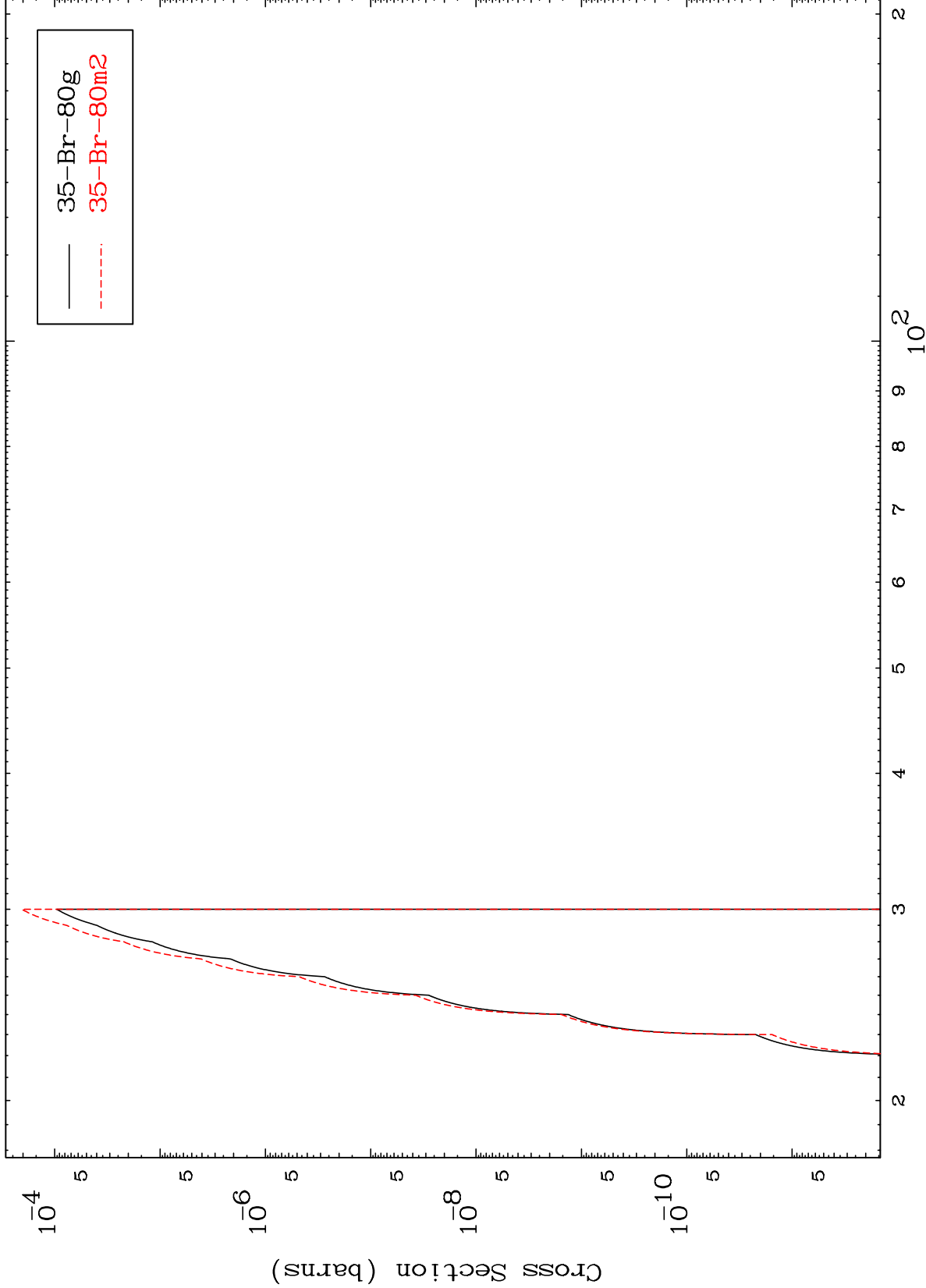
Incident Energy (MeV)

37-Rb-83

Radionuclide Production Cross Section

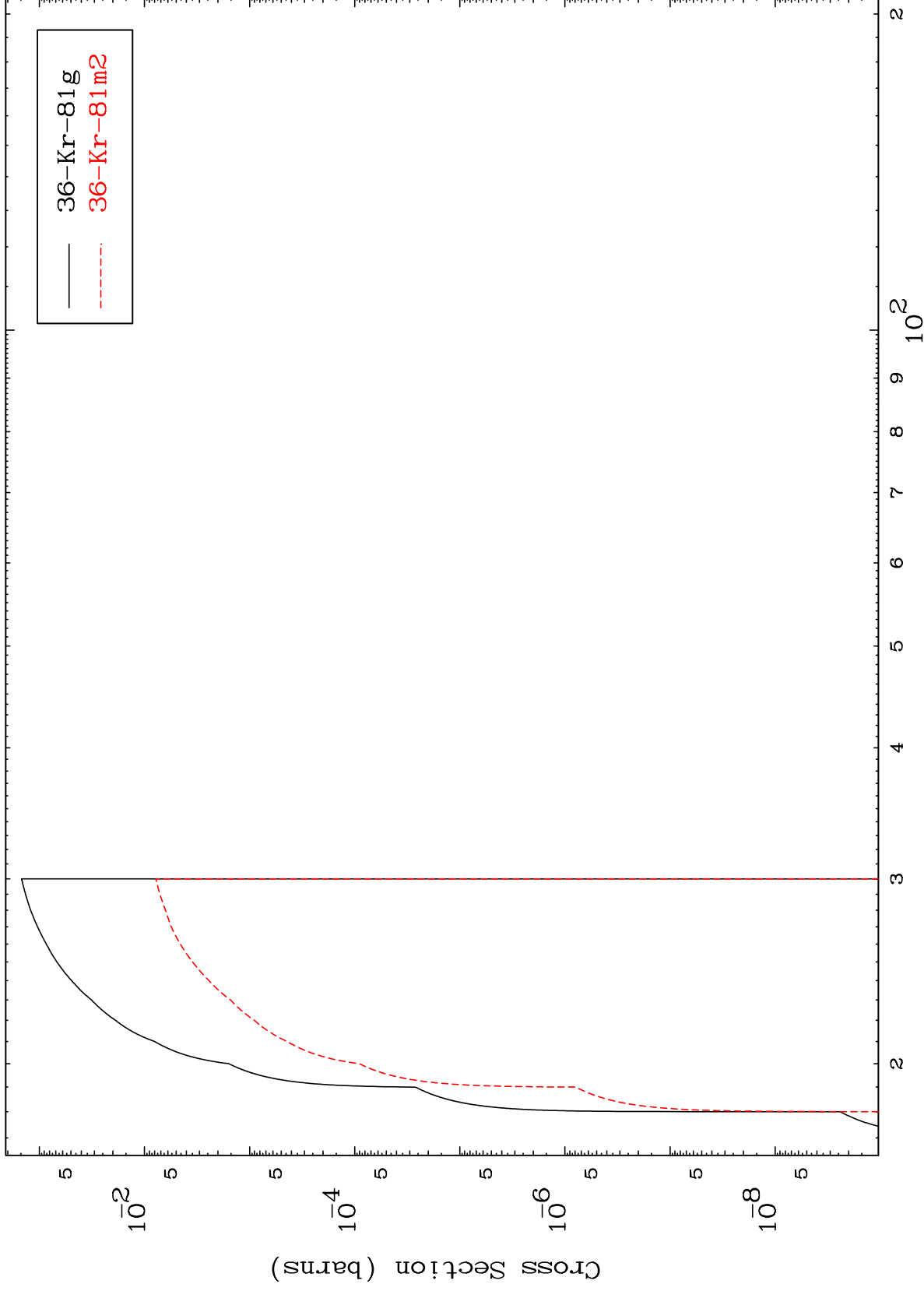


Radionuclide Production Cross Section





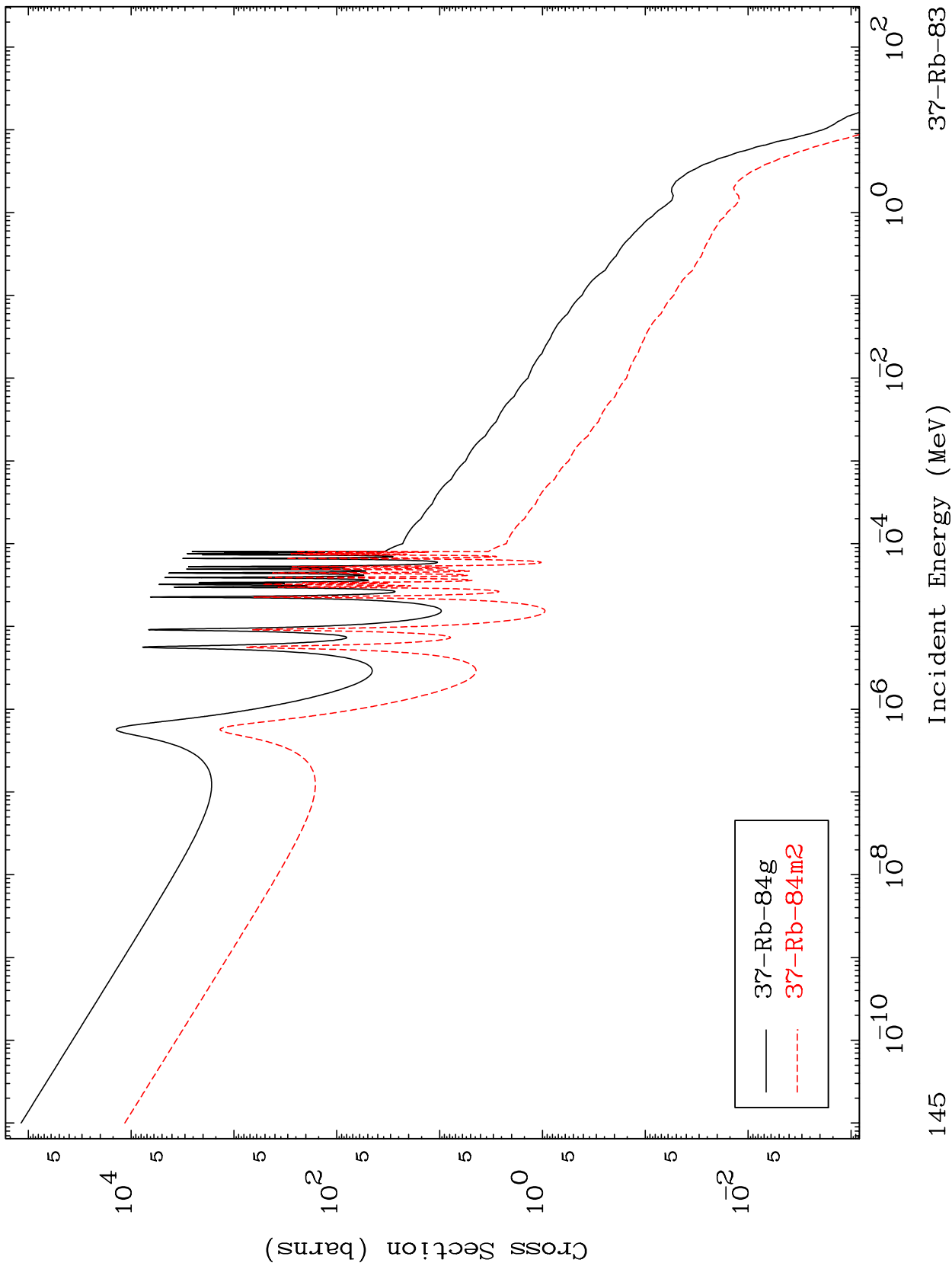
Radionuclide Production Cross Section



MAT 3719

37-Rb-83

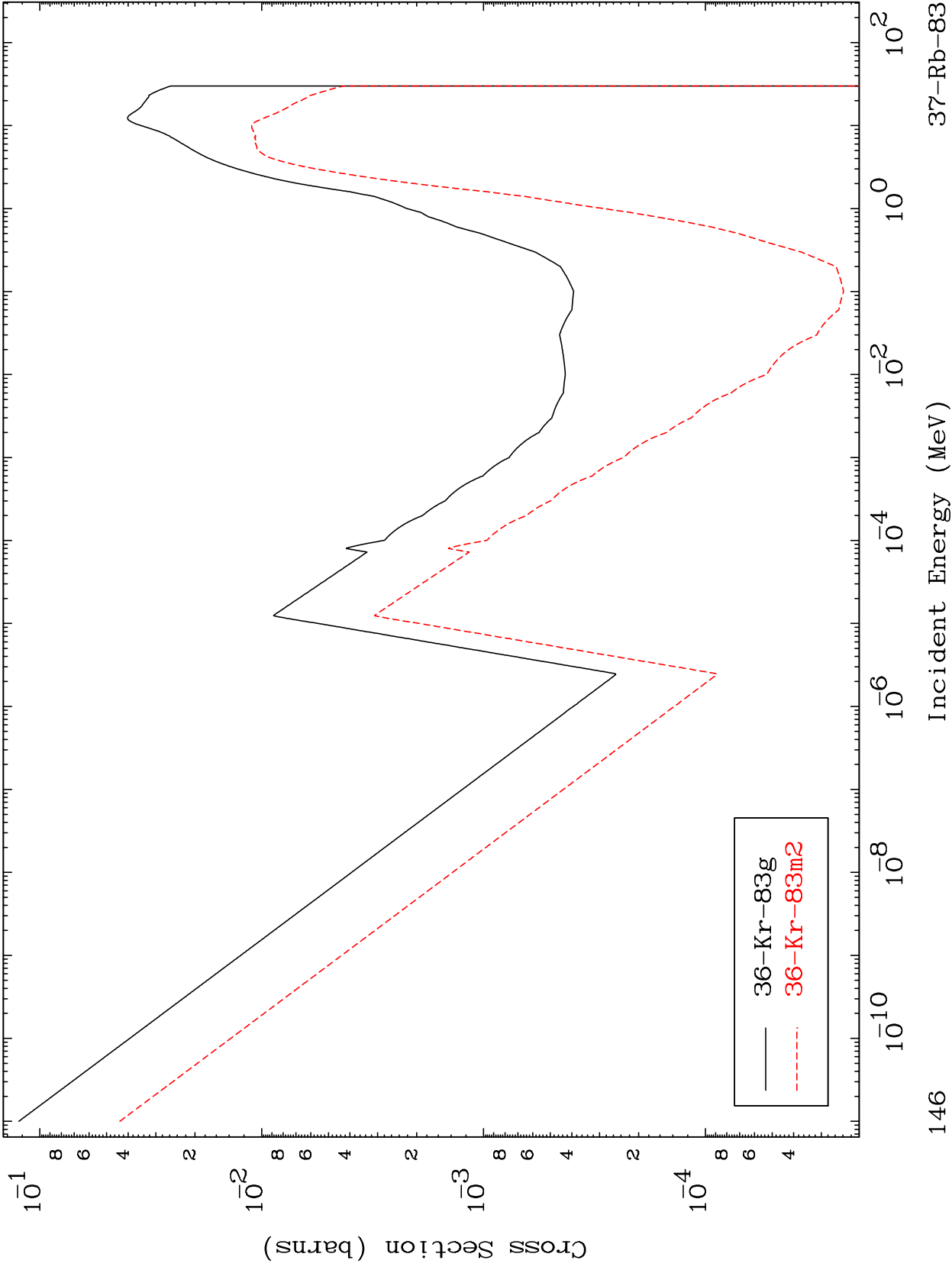
(n,  $\gamma$ )  
Radionuclide Production Cross Section



MAT 3719

37-Rb-83

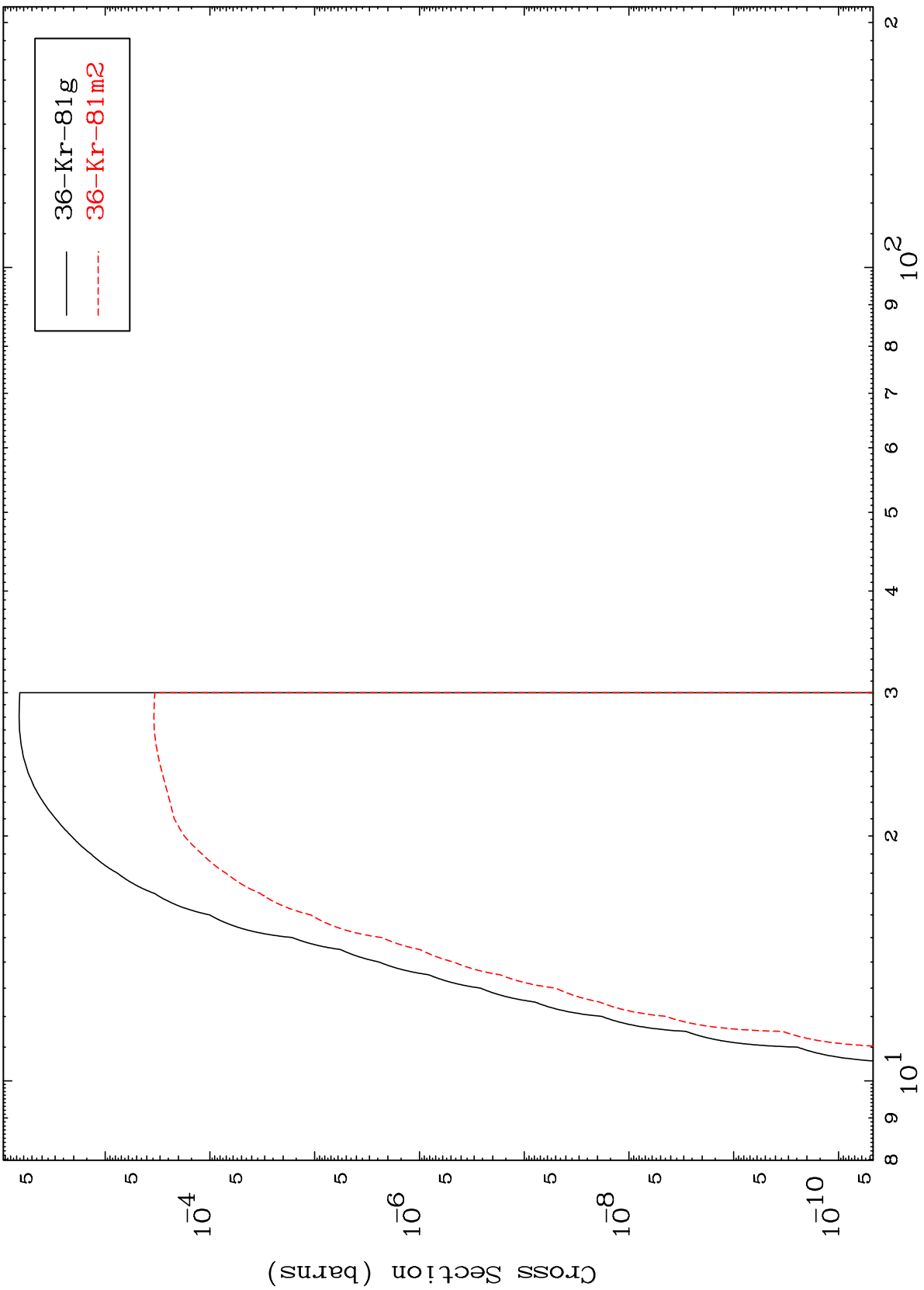
(n,p)  
Radionuclide Production Cross Section



MAT 3719

37-Rb-83

(n,t)  
Radionuclide Production Cross Section



147

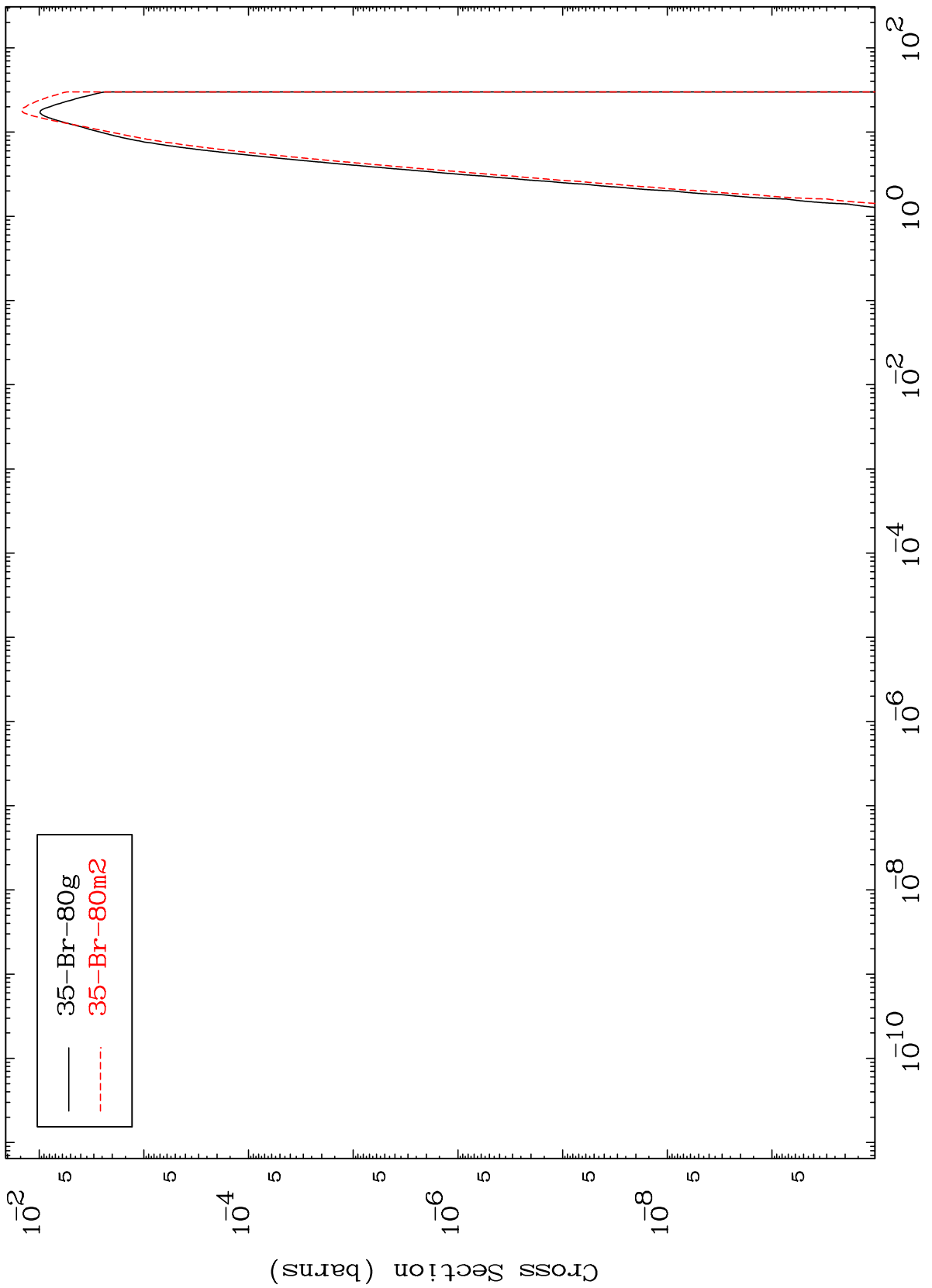
Incident Energy (MeV)

37-Rb-83

MAT 3719

37-Rb-83

Radionuclide Production Cross Section



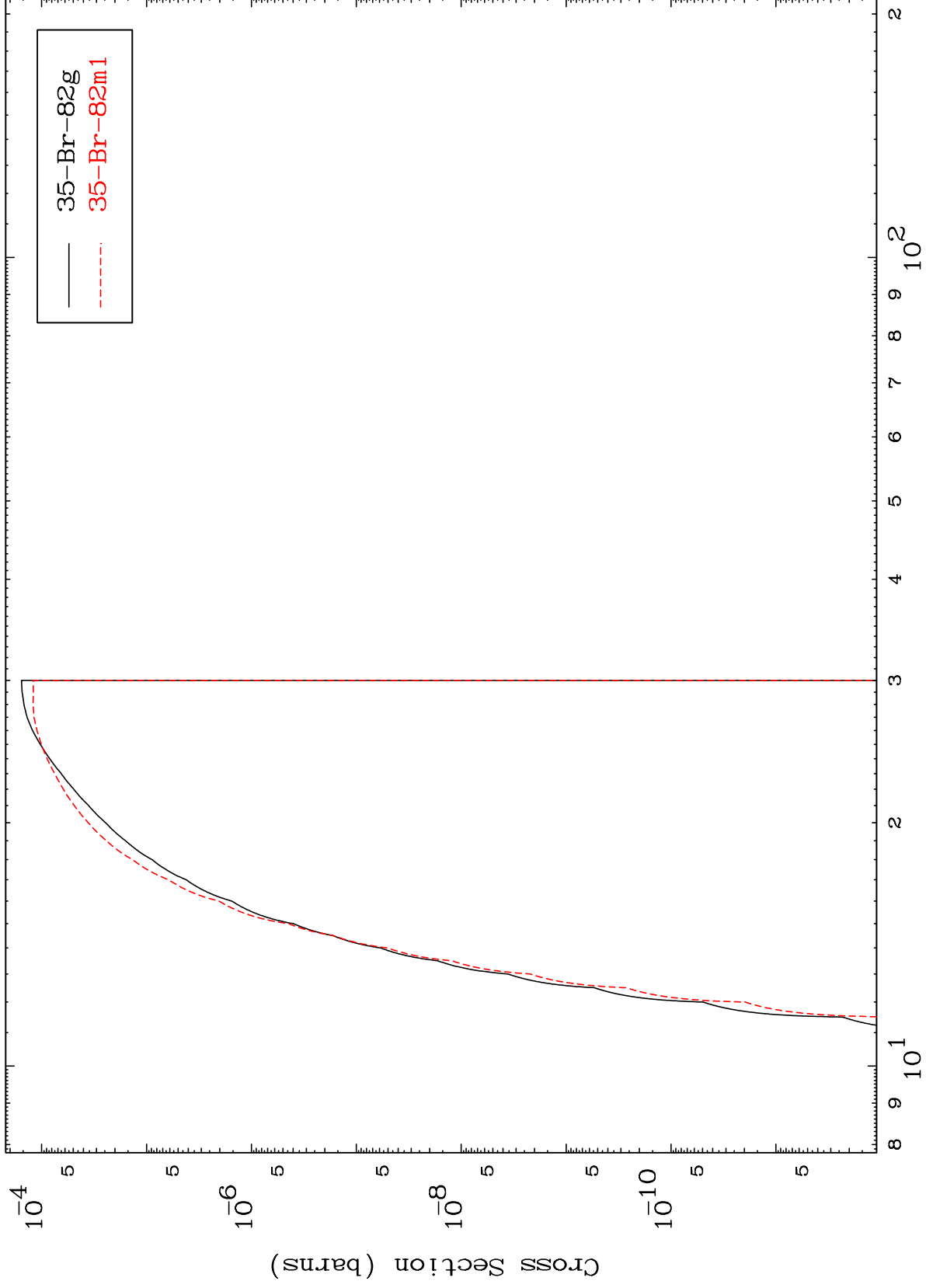
148

37-Rb-83

MAT 3719

37-Rb-83

(n,2p)  
Radionuclide Production Cross Section



149

Incident Energy (MeV)

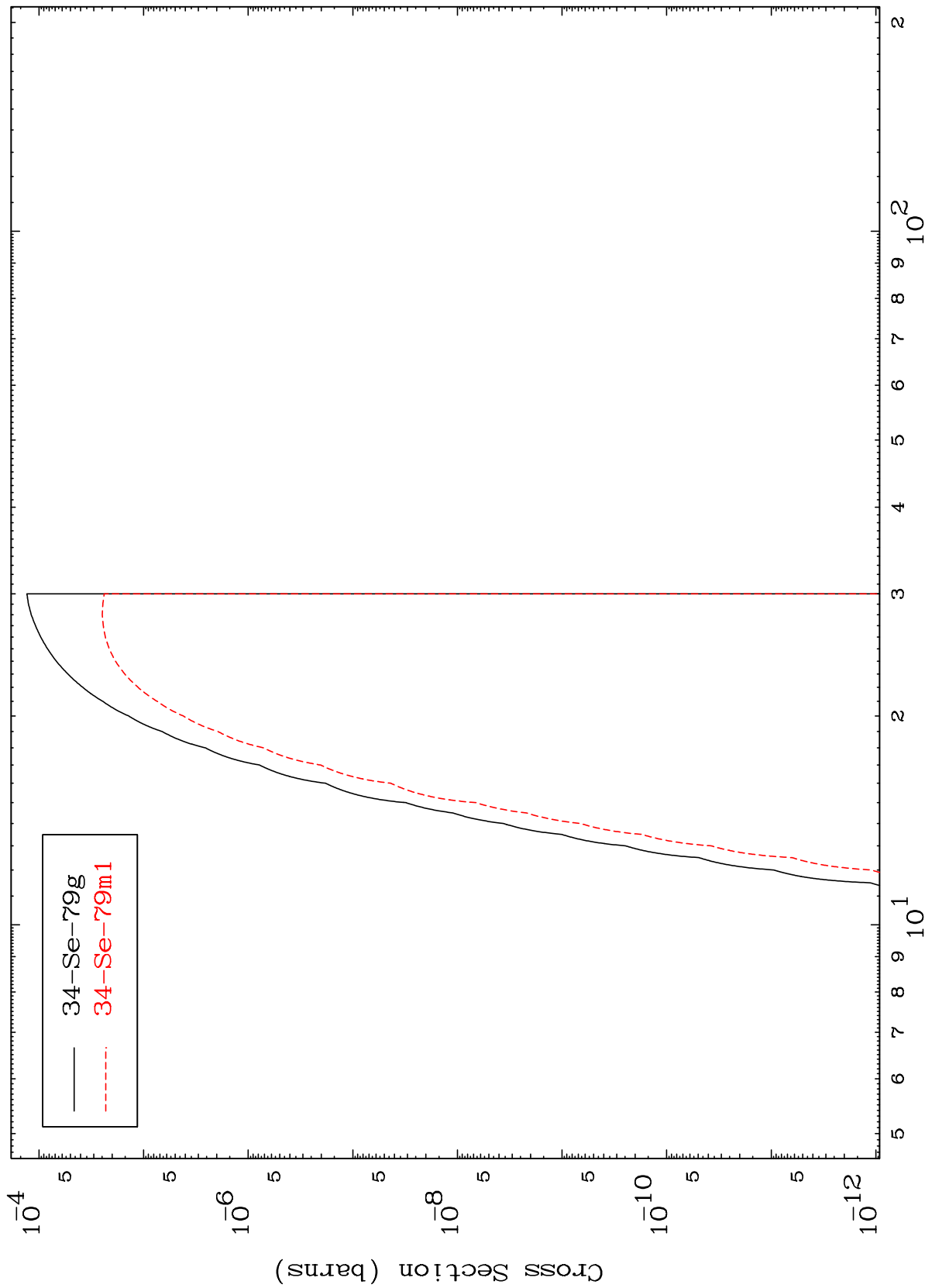
37-Rb-83

MAT 3719

$(n,p) \alpha$

37-Rb-83

Radionuclide Production Cross Section



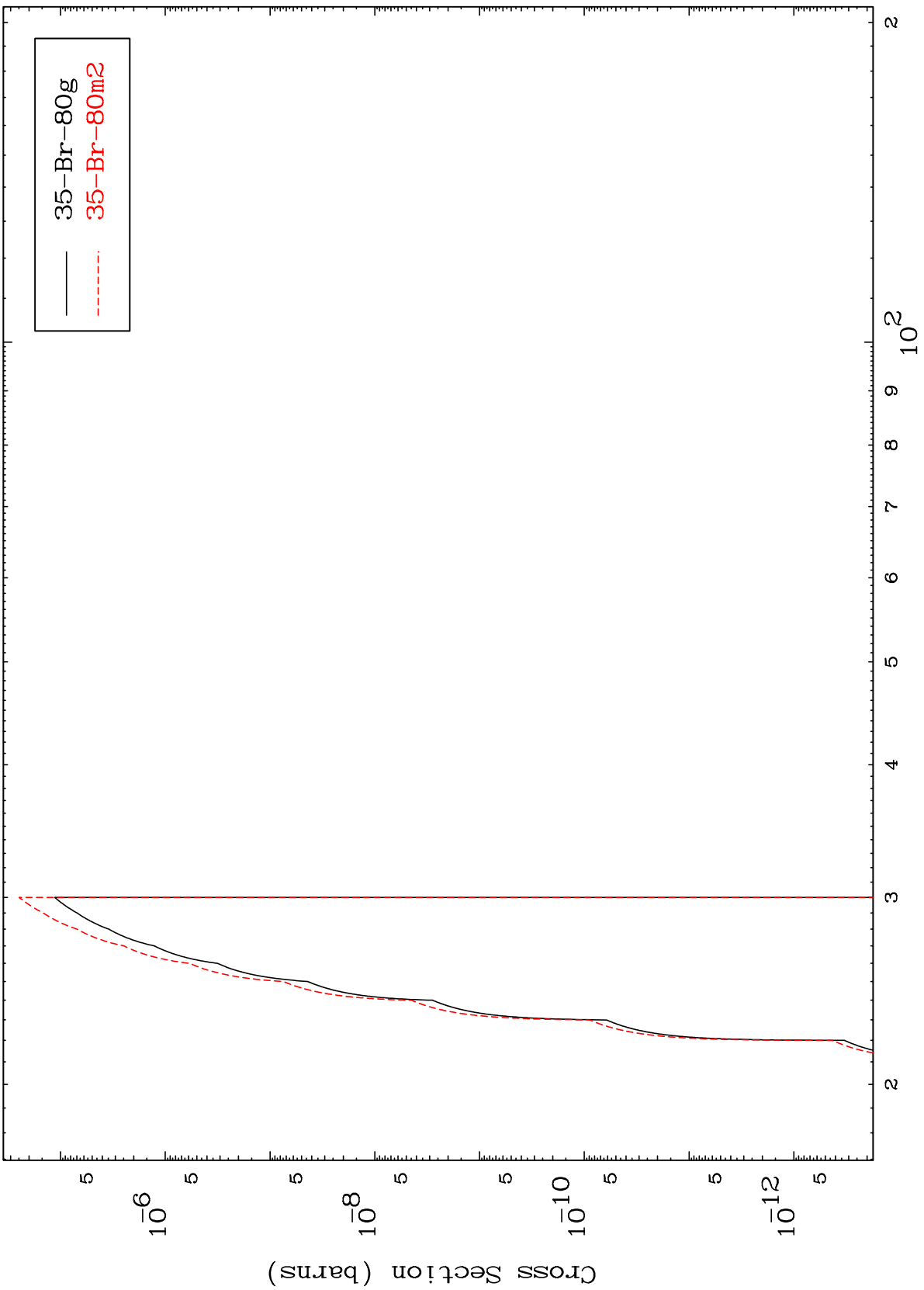
— 34-Se-79g  
- - - 34-Se-79m1

150

Incident Energy (MeV)

37-Rb-83

Radionuclide Production Cross Section



35-Br-80g  
35-Br-80m2