

Program EVALPLOT
(Version 2021-1)

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

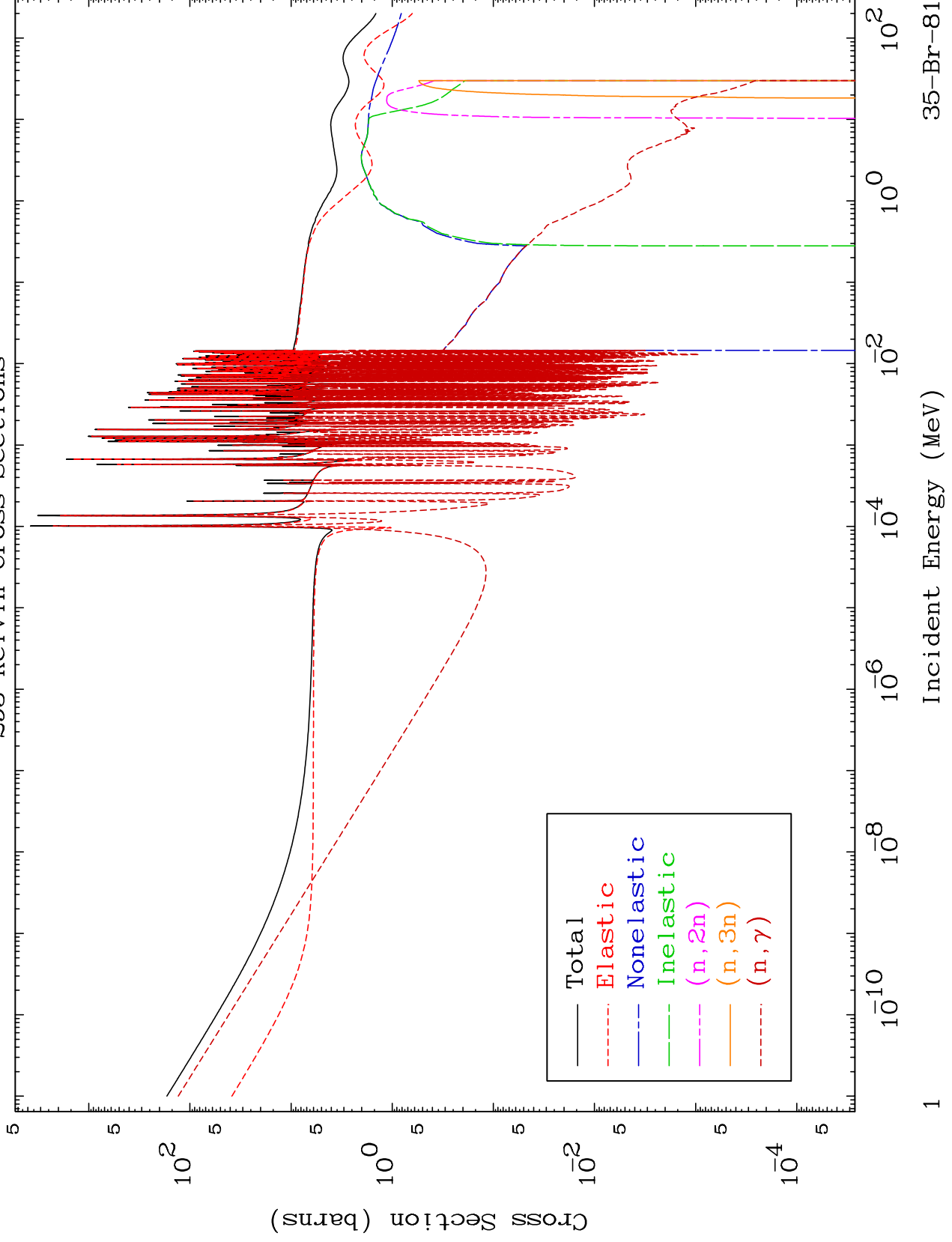
Web: redcullen1.net/HOMEPAGE.NEW

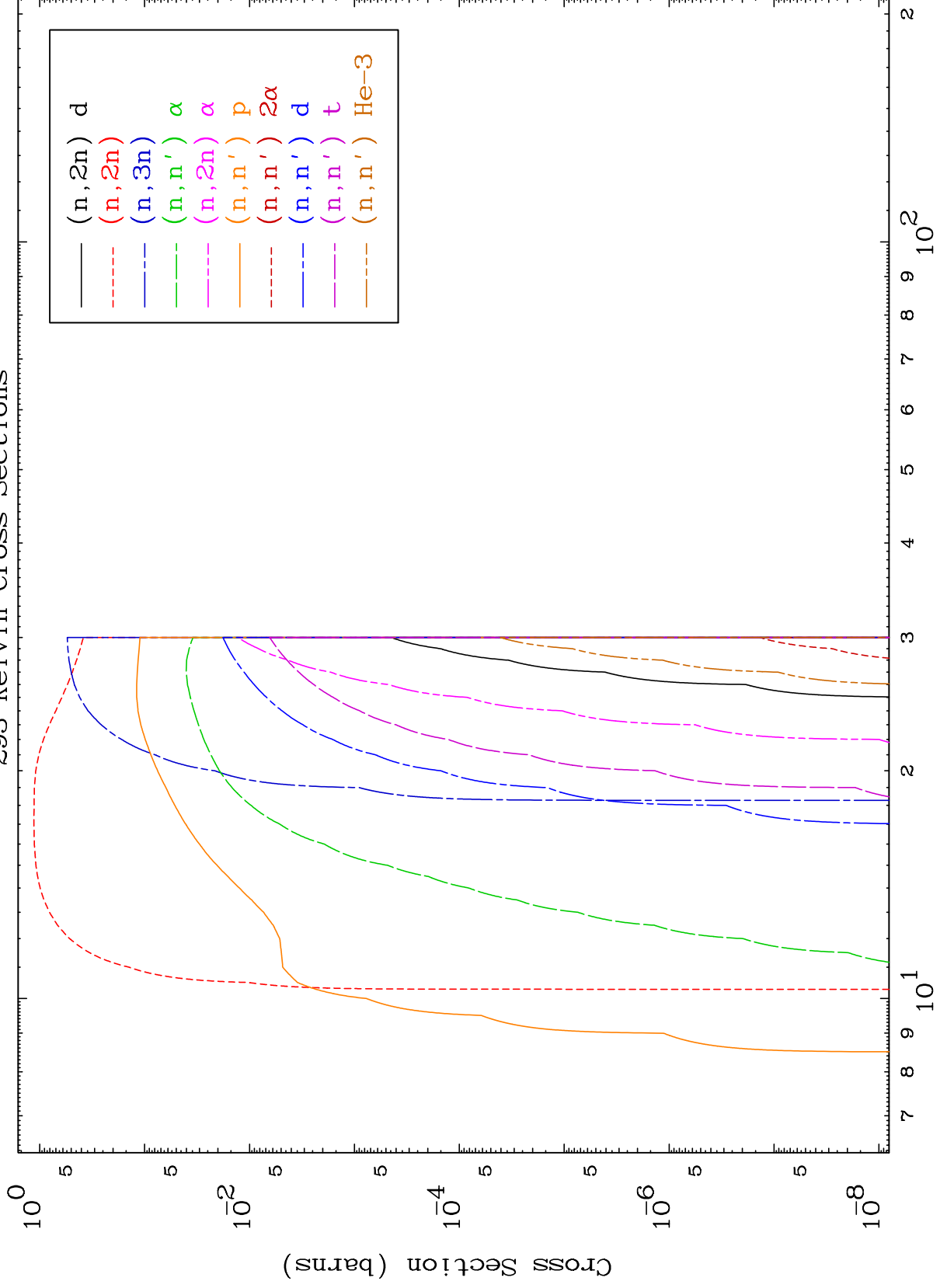
Press Mouse Button to Start

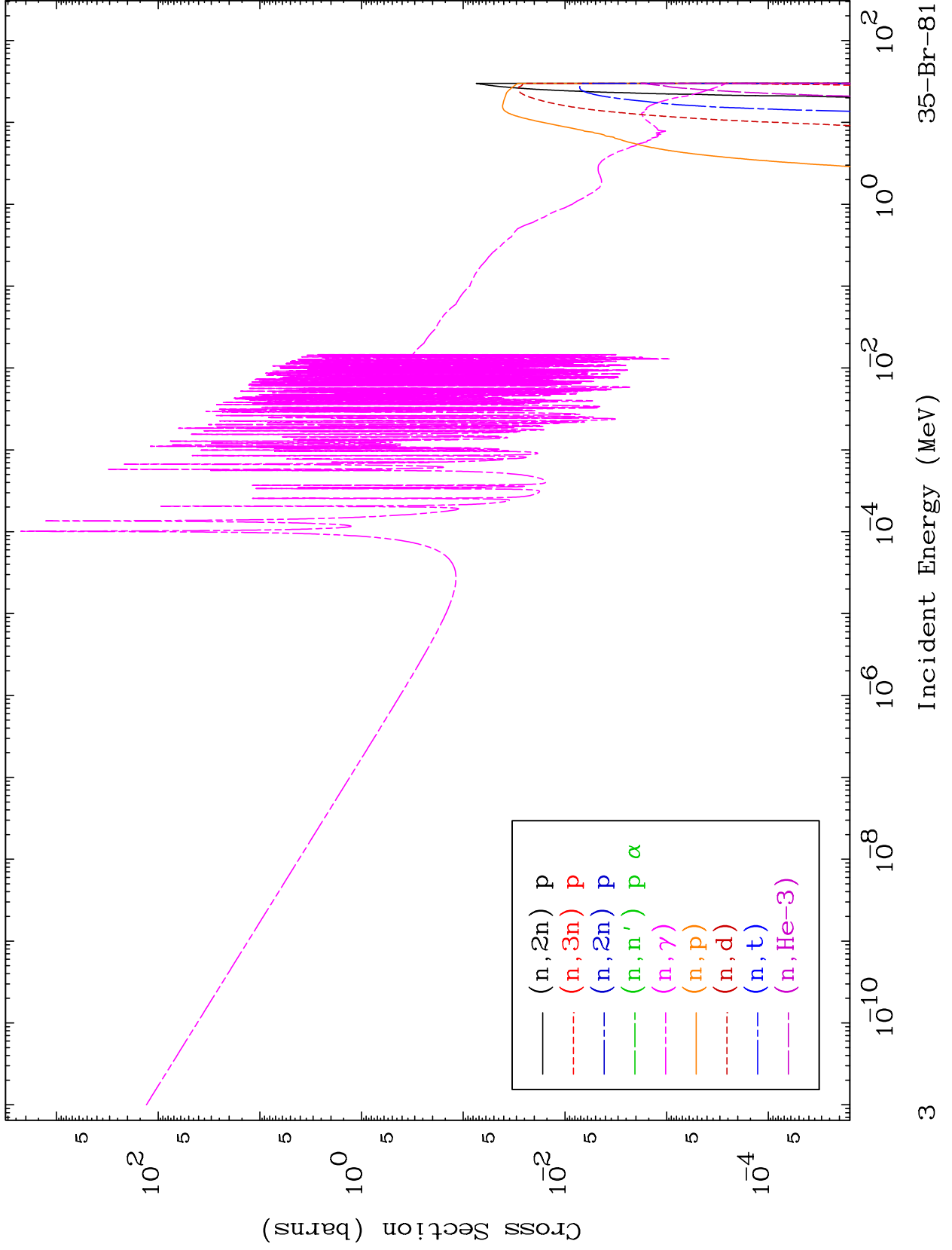
MAT 3531

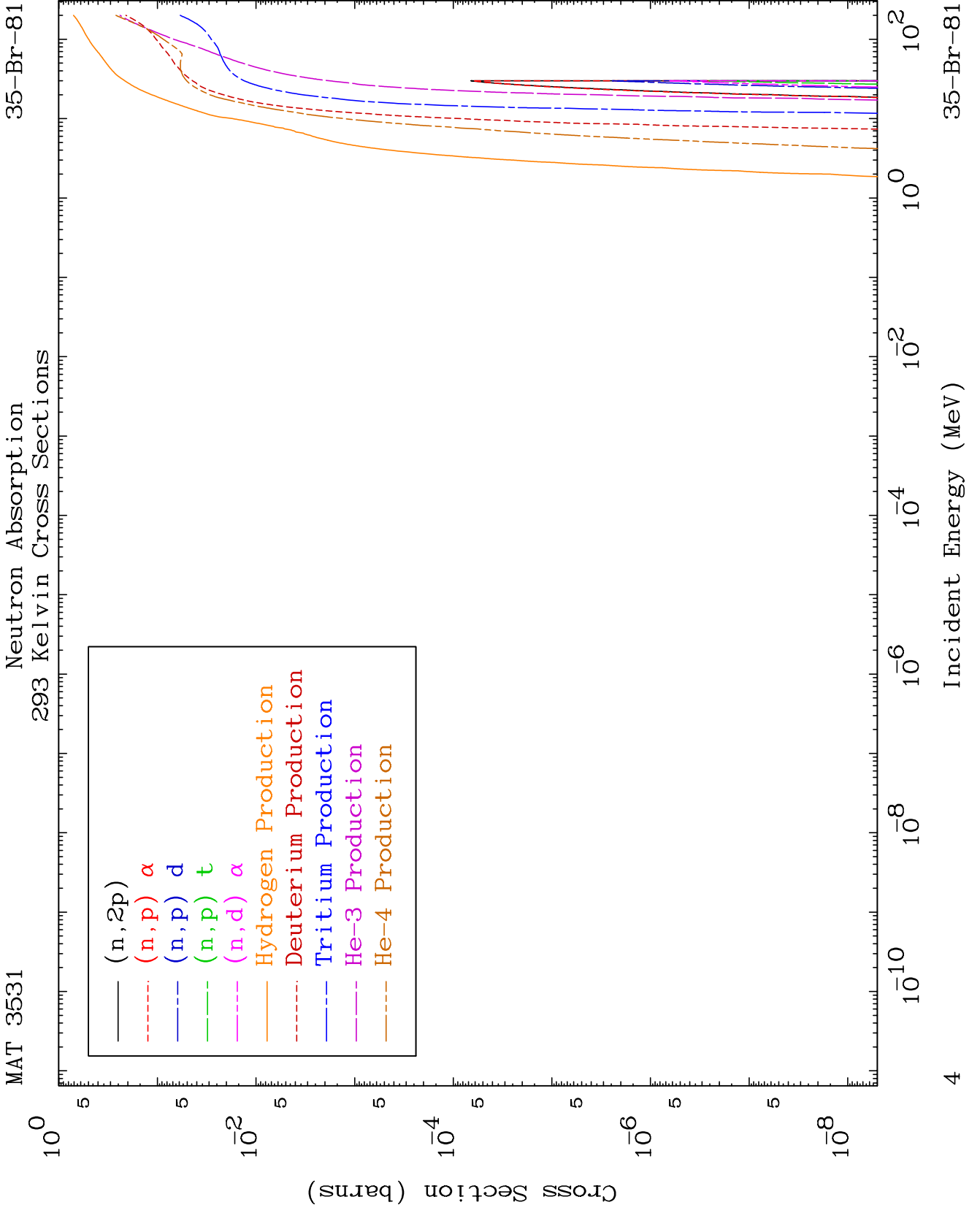
Neutron Major
293 Kelvin Cross Sections

35-Br-81





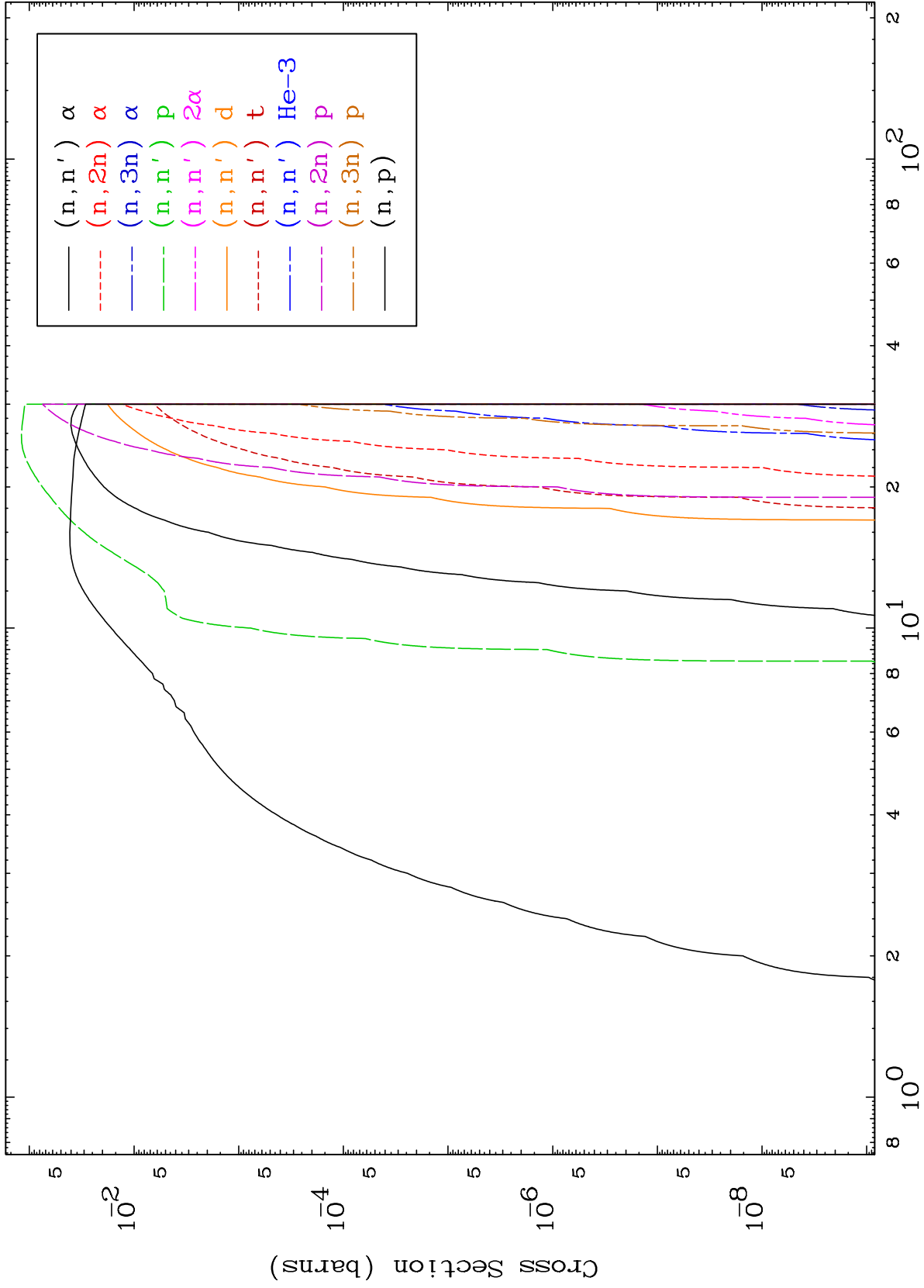




MAT 3531

Charged Particle
293 Kelvin Cross Sections

35-Br-81



35-Br-81

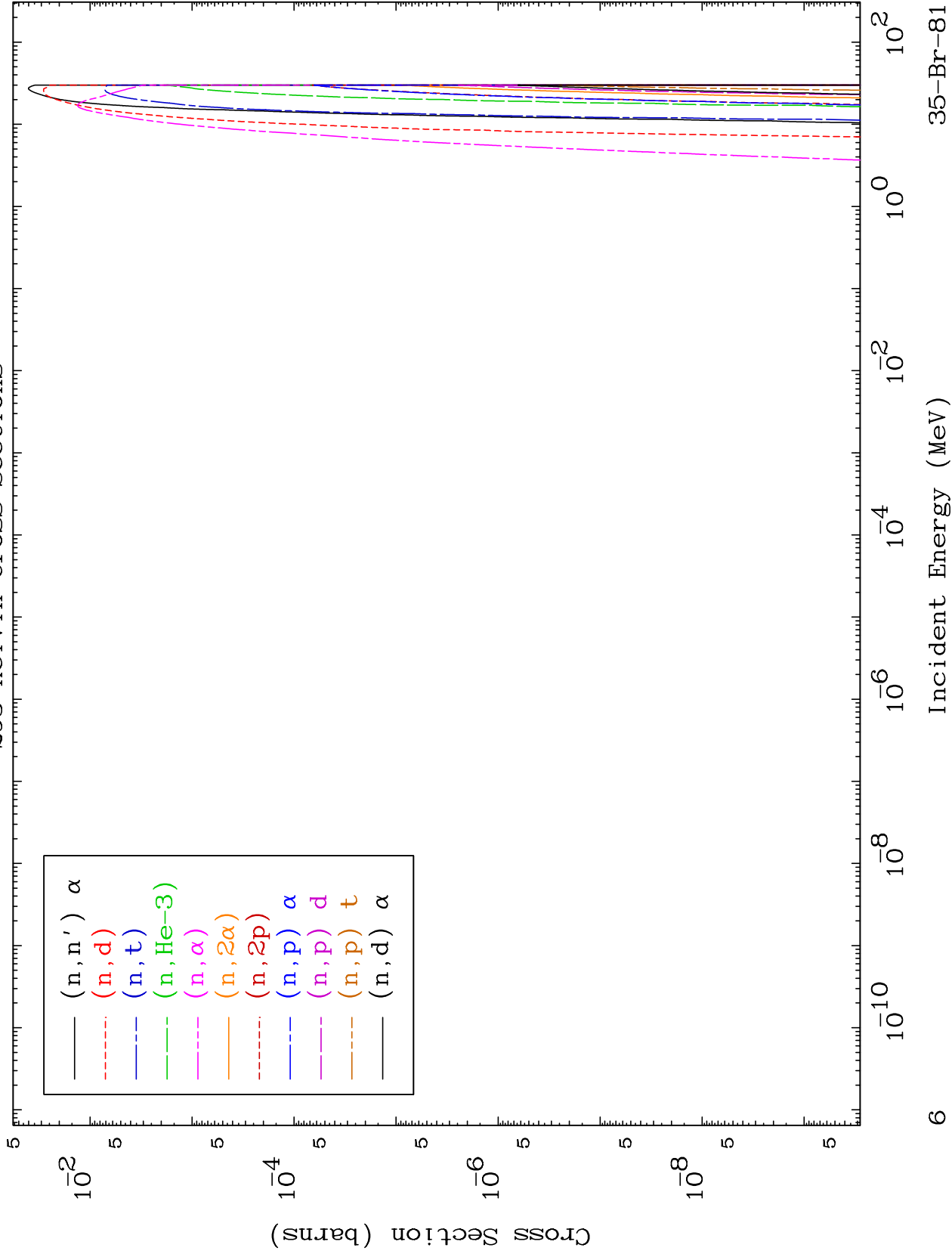
Incident Energy (MeV)

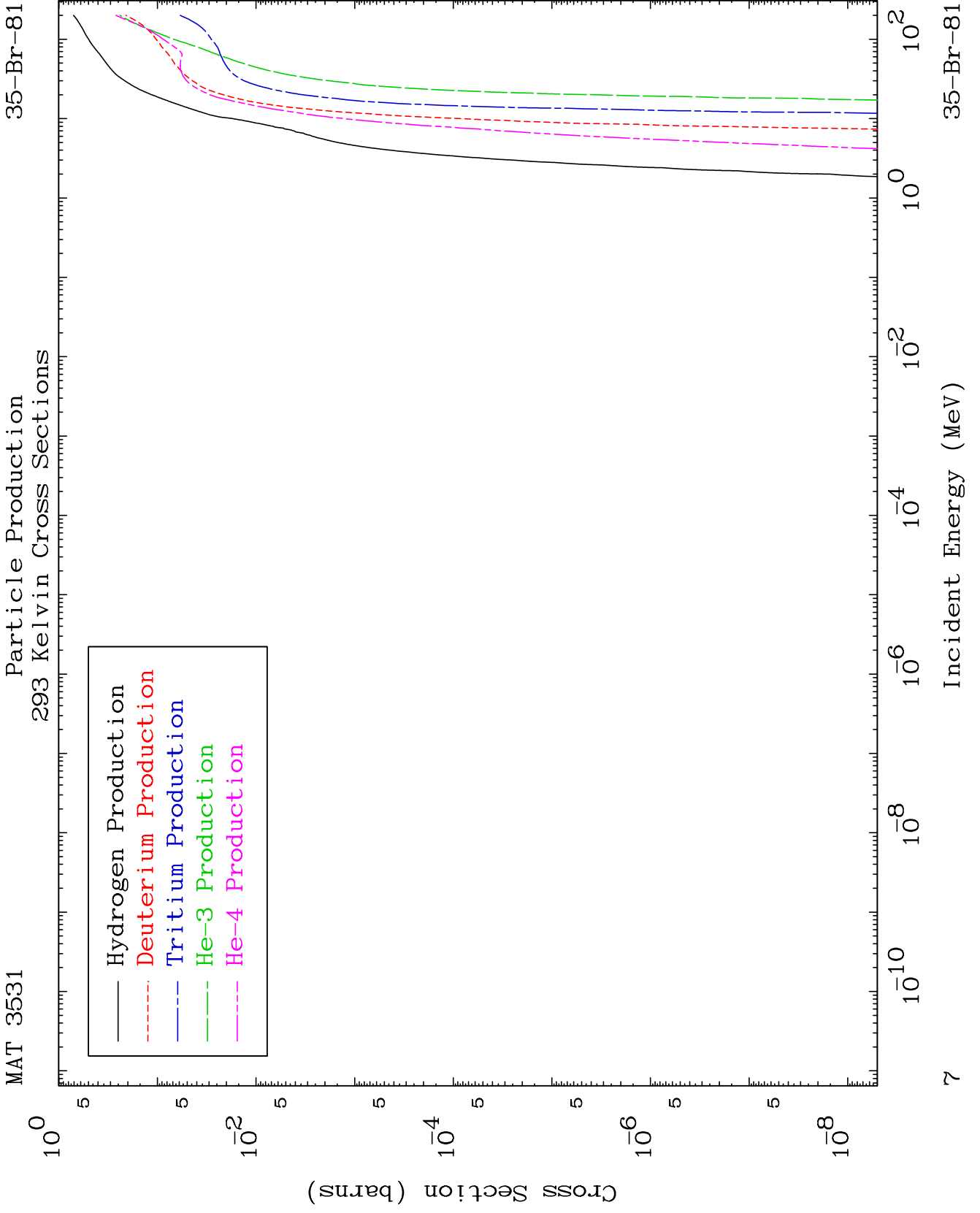
5

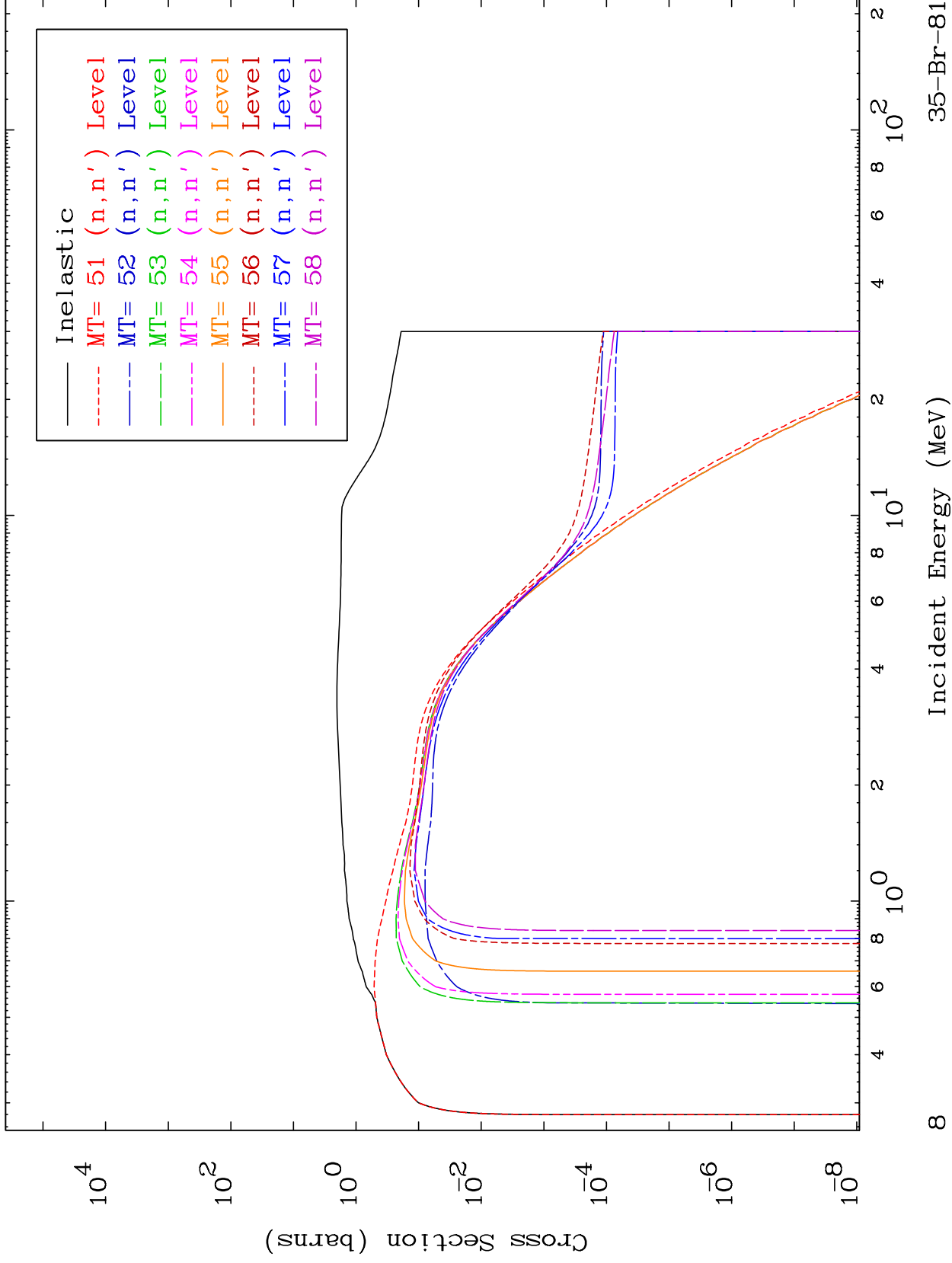
MAT 3531

Charged Particle
293 Kelvin Cross Sections

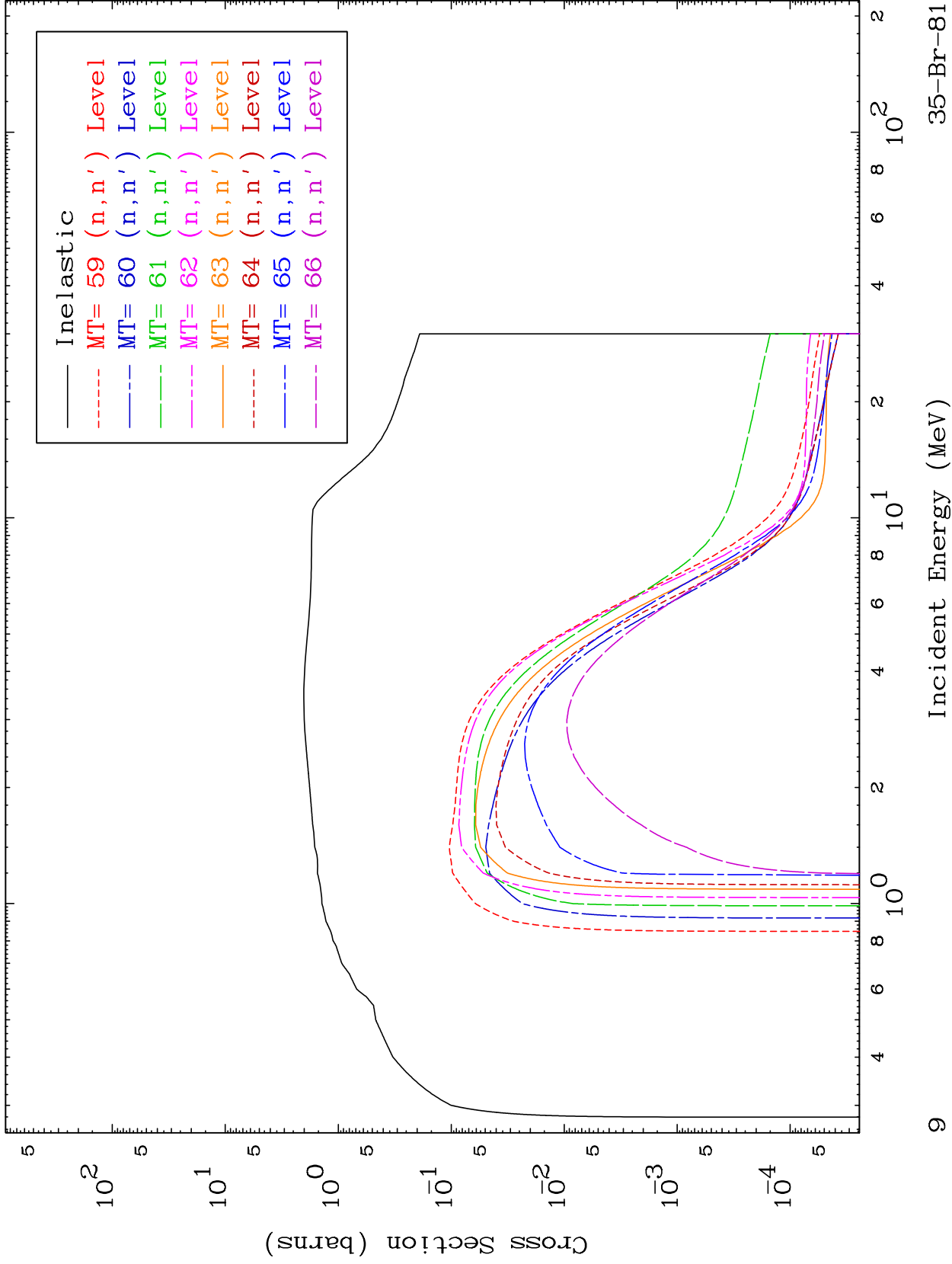
35-Br-81







293 Kelvin Cross Sections

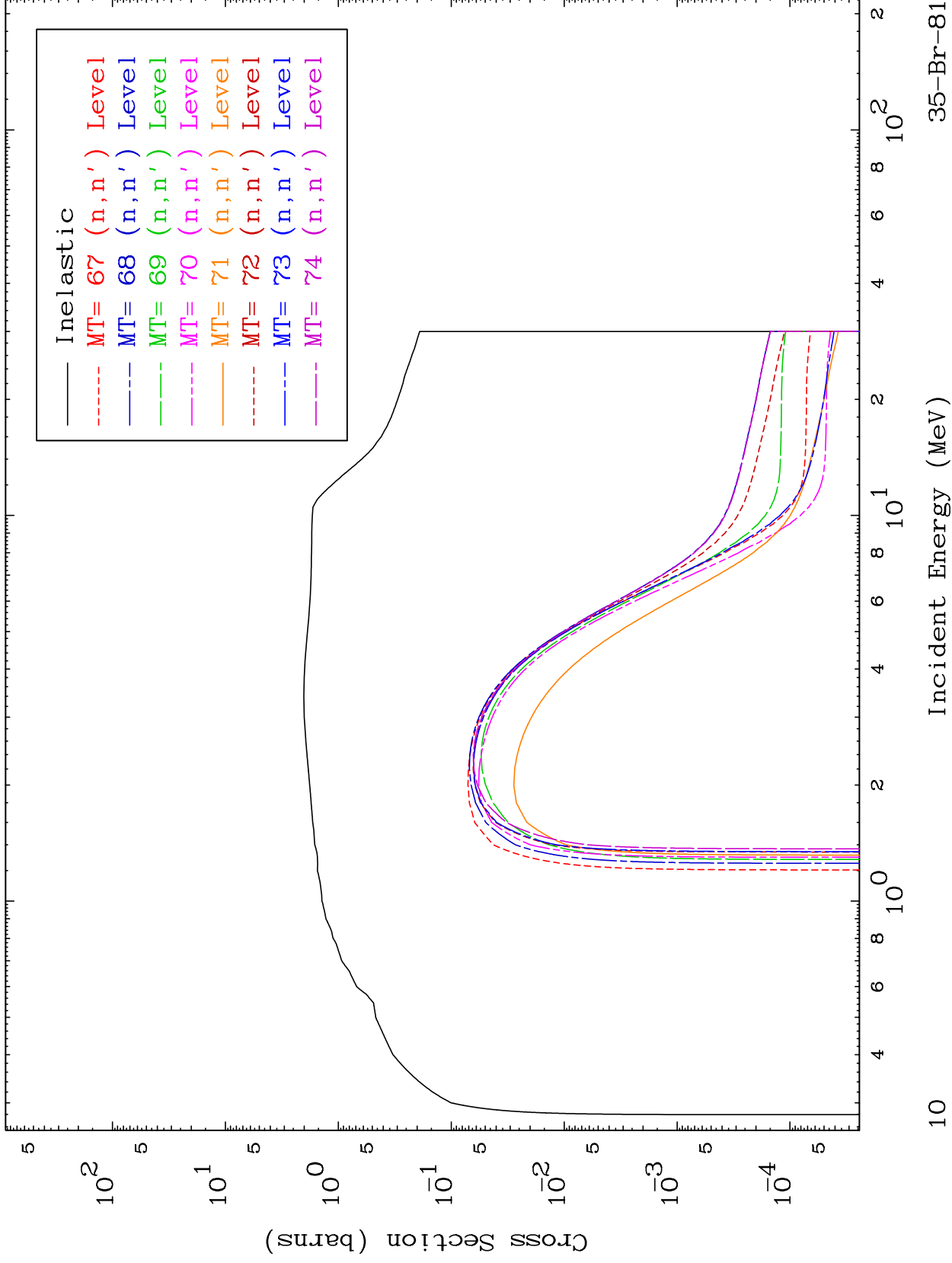


MAT 3531

(n,n') Levels

35-Br-81

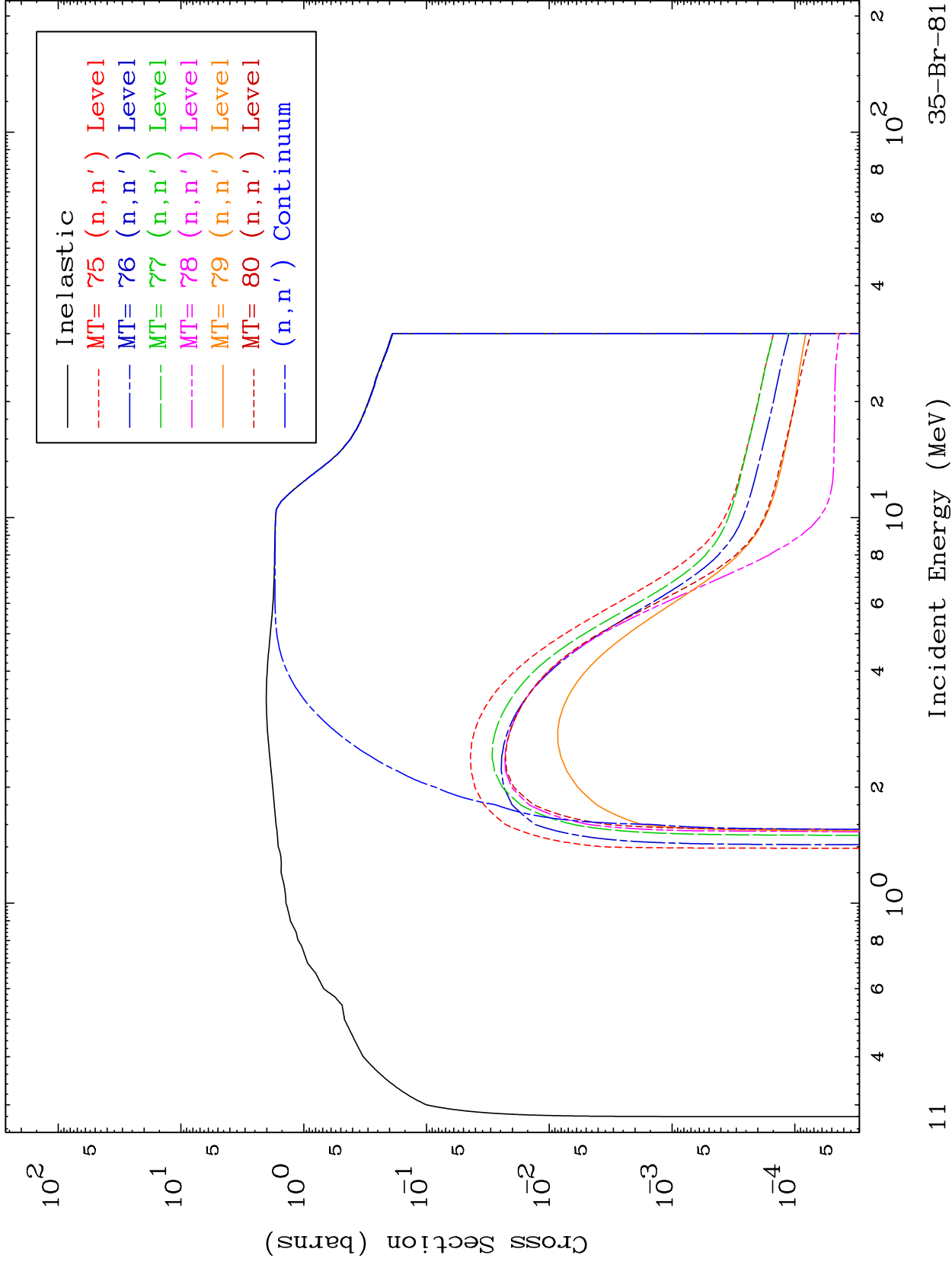
293 Kelvin Cross Sections



10

Incident Energy (MeV)

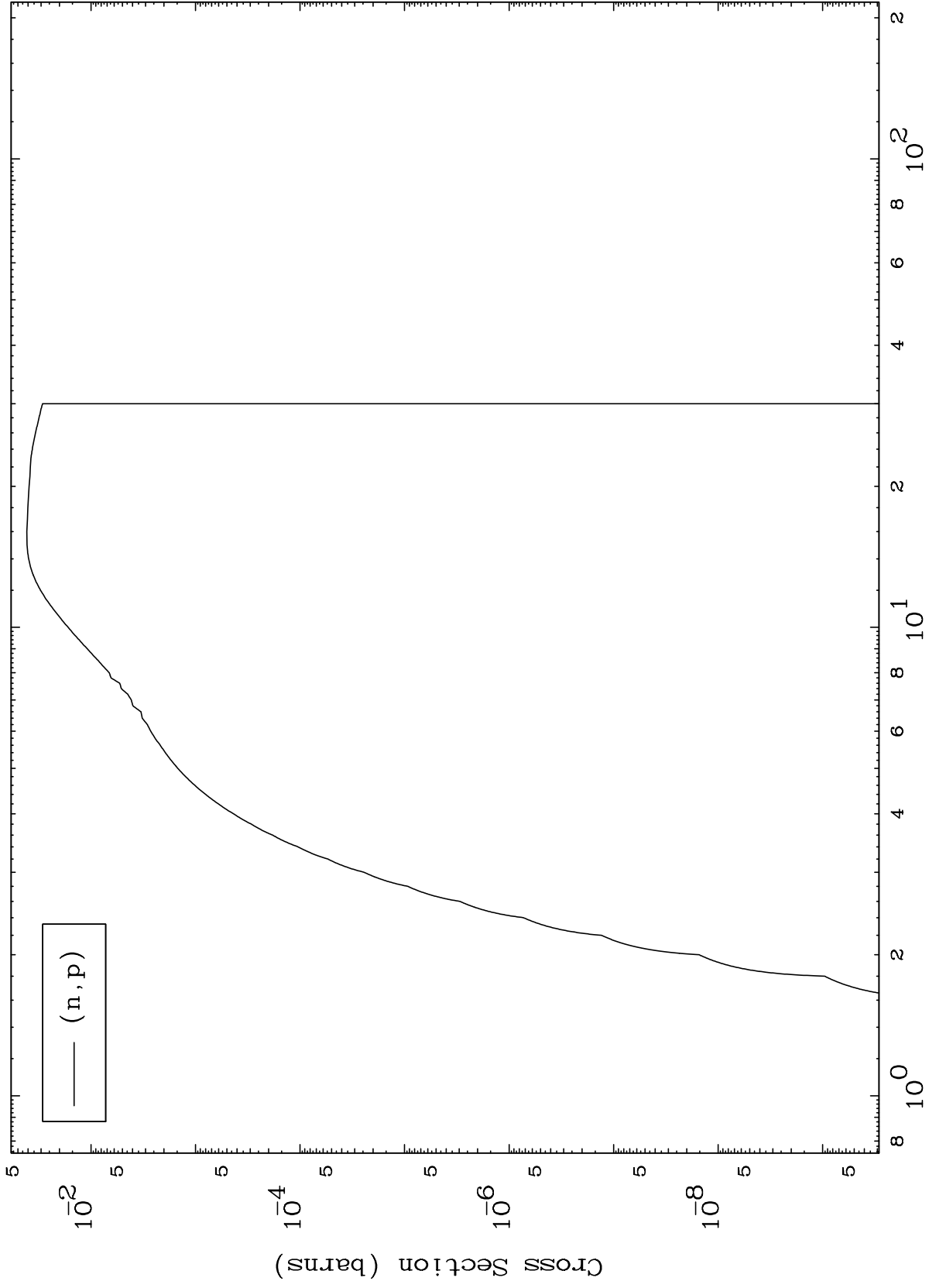
35-Br-81



MAT 3531

(n,p) Levels
293 Kelvin Cross Sections

35-Br-81



12

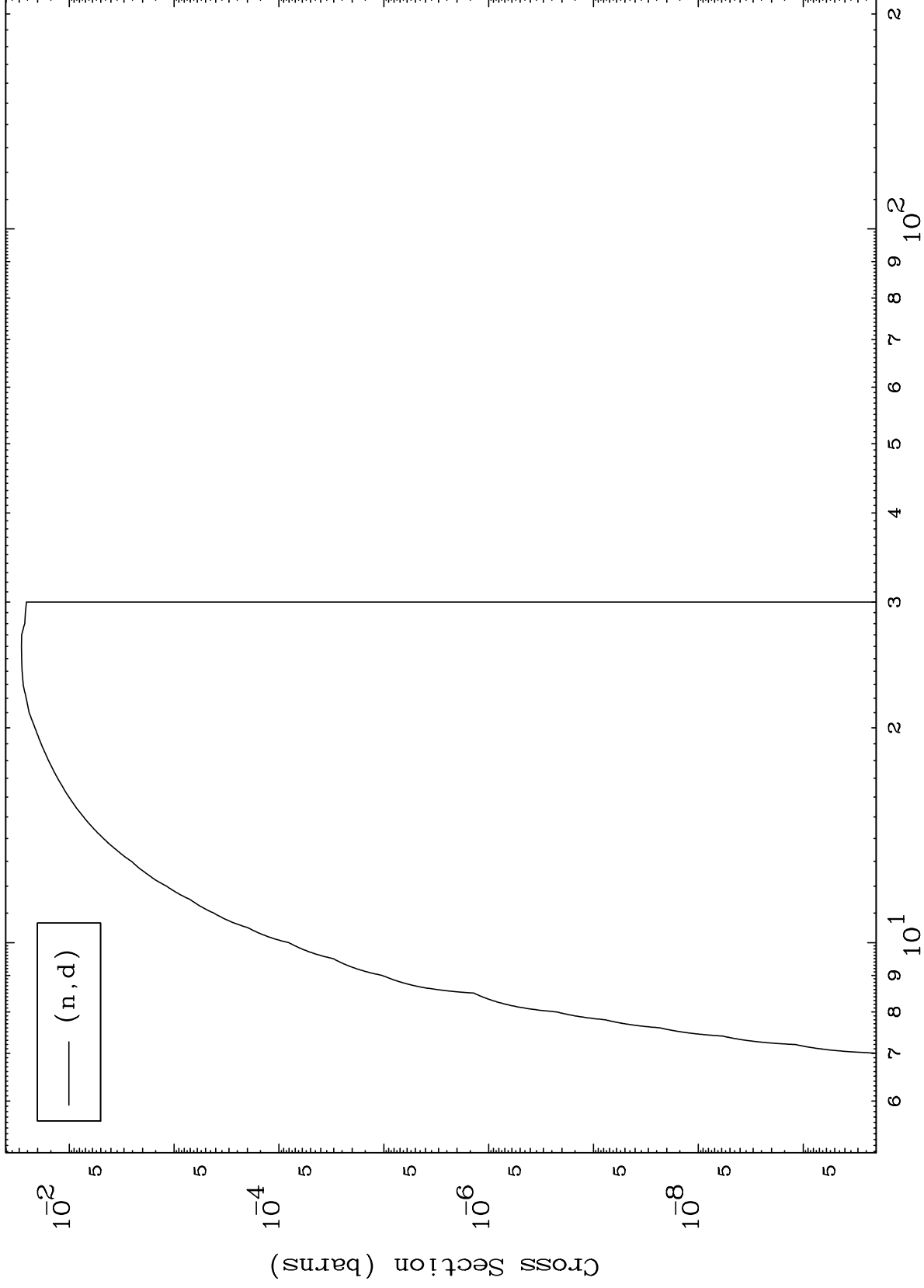
Incident Energy (MeV)

35-Br-81

MAT 3531

(n,d) Levels
293 Kelvin Cross Sections

35-Br-81



13

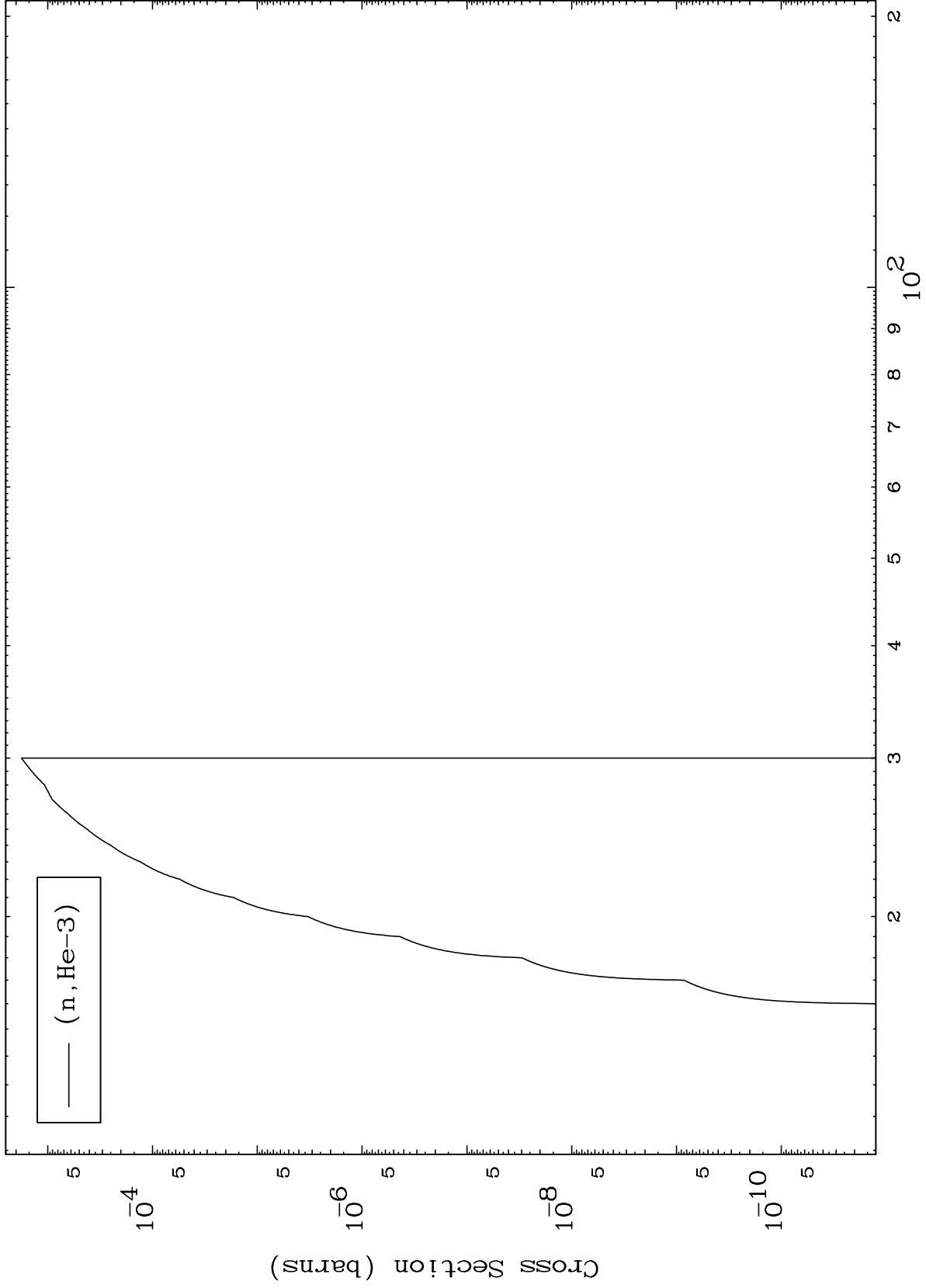
Incident Energy (MeV)

35-Br-81

MAT 3531

(n,He3) Levels
293 Kelvin Cross Sections

35-Br-81



15

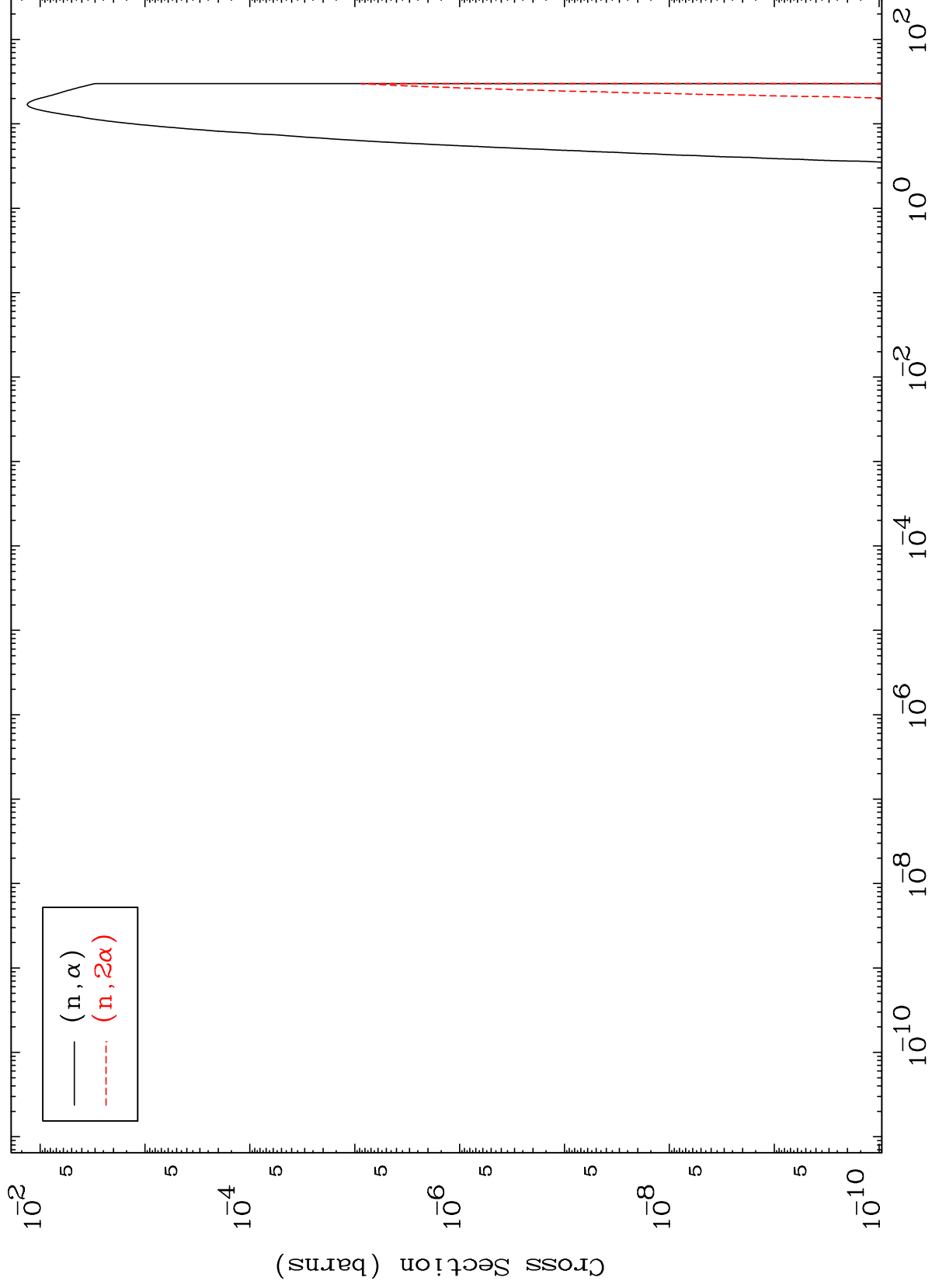
Incident Energy (MeV)

35-Br-81

MAT 3531

(n, α) Levels
293 Kelvin Cross Sections

35-Br-81



16

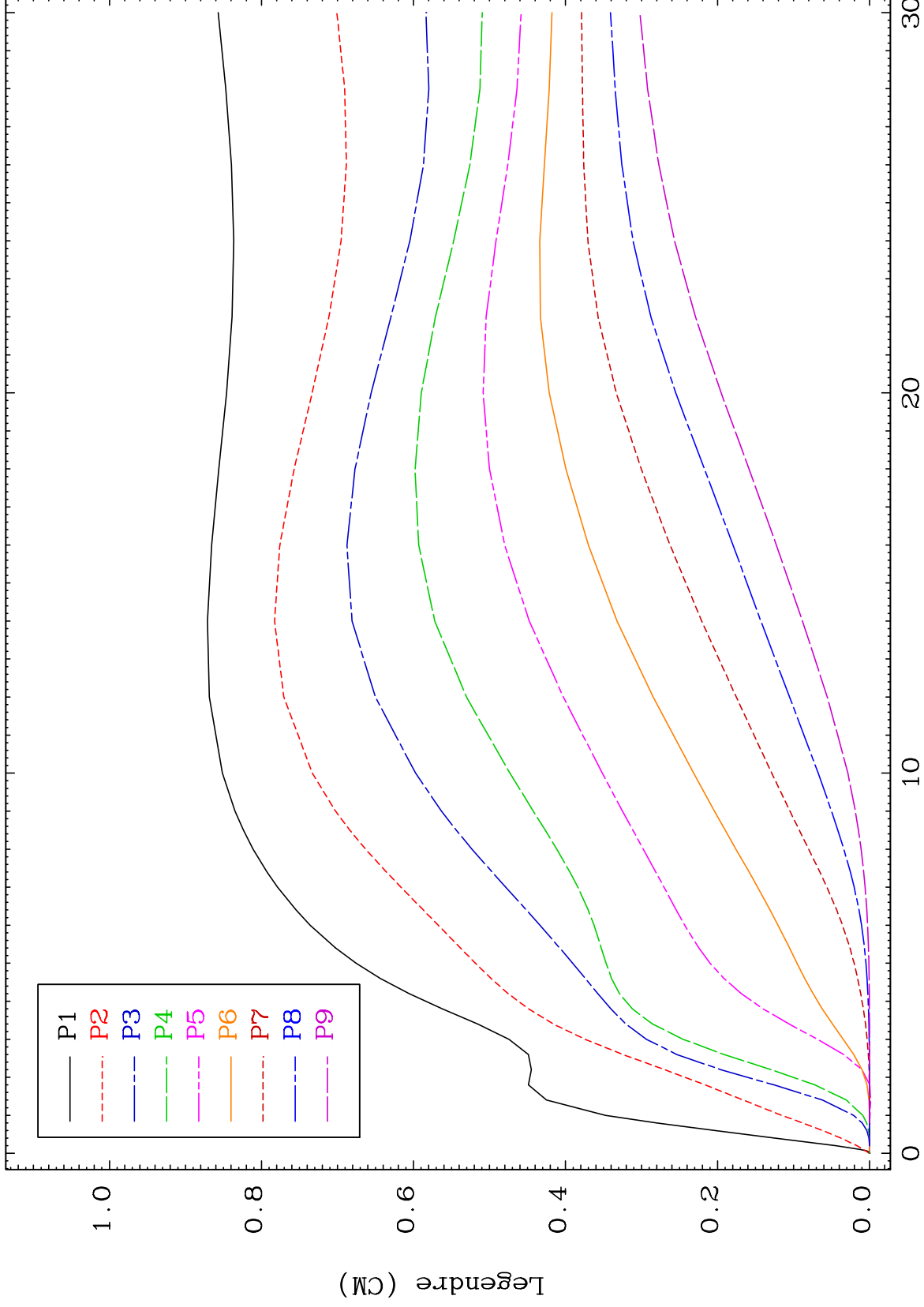
Incident Energy (MeV)

35-Br-81

MAT 3531

Elastic Legendre Coefficients

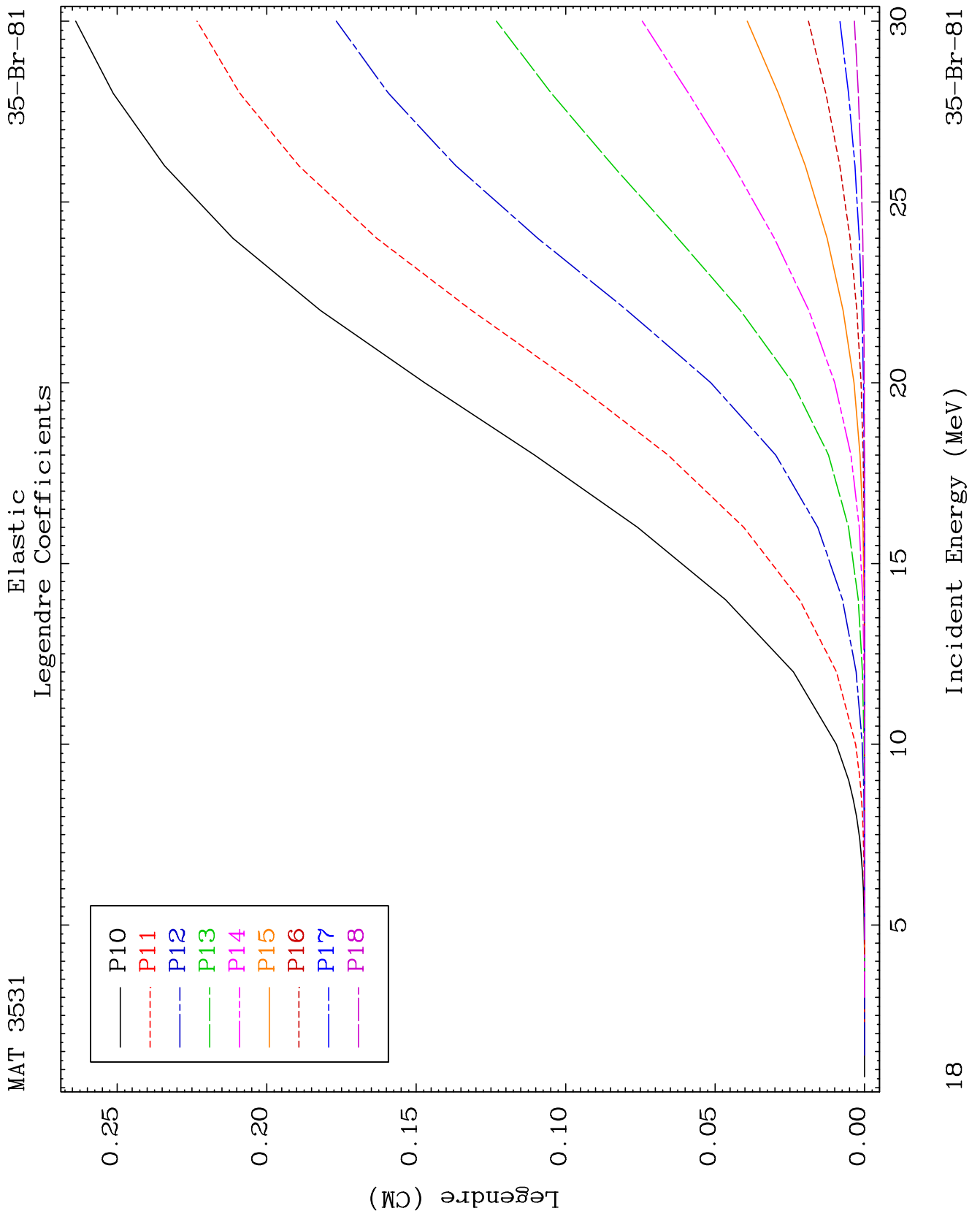
³⁵Br-81



17

Incident Energy (MeV)

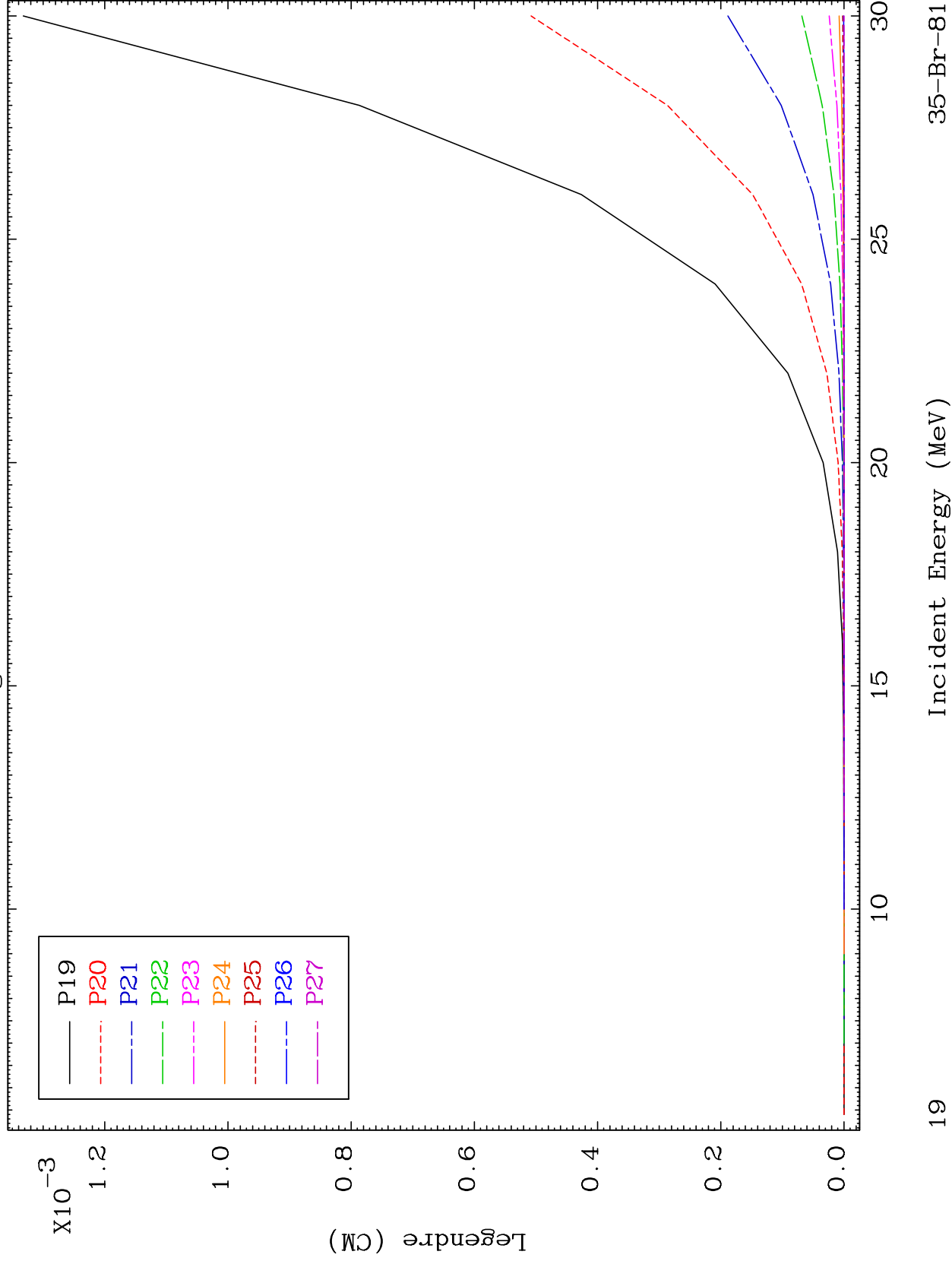
³⁵Br-81



MAT 3531

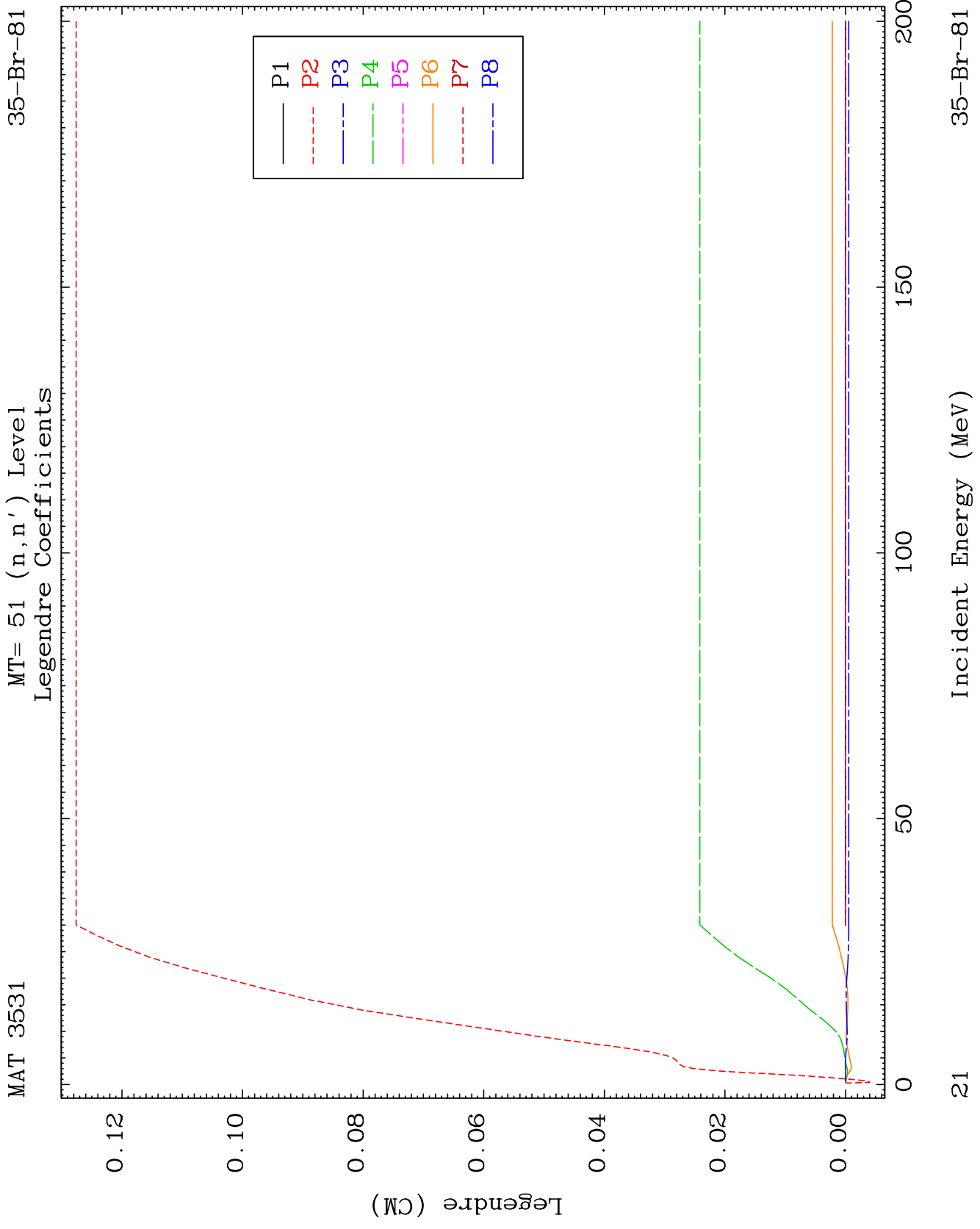
Elastic Legendre Coefficients

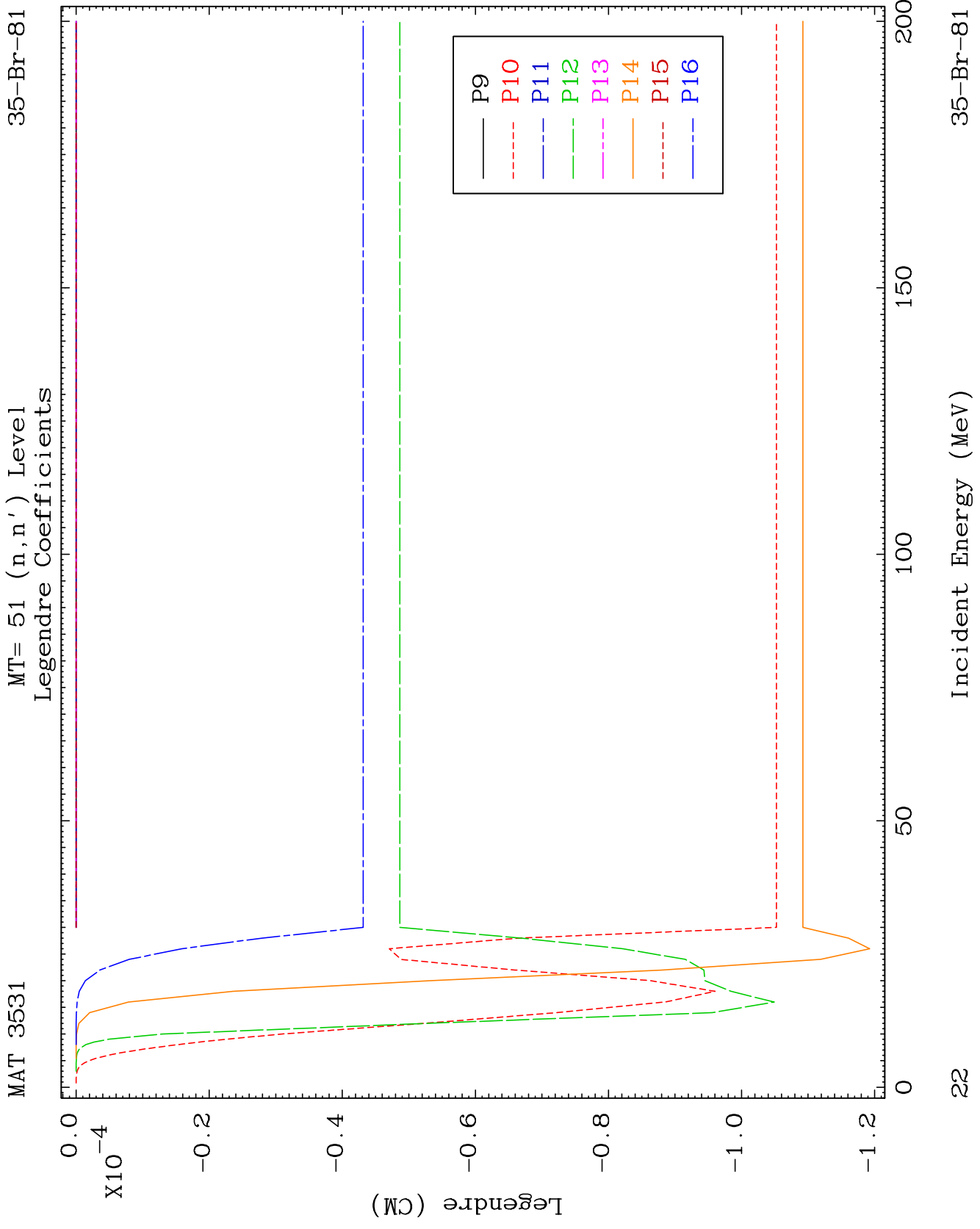
35-Br-81

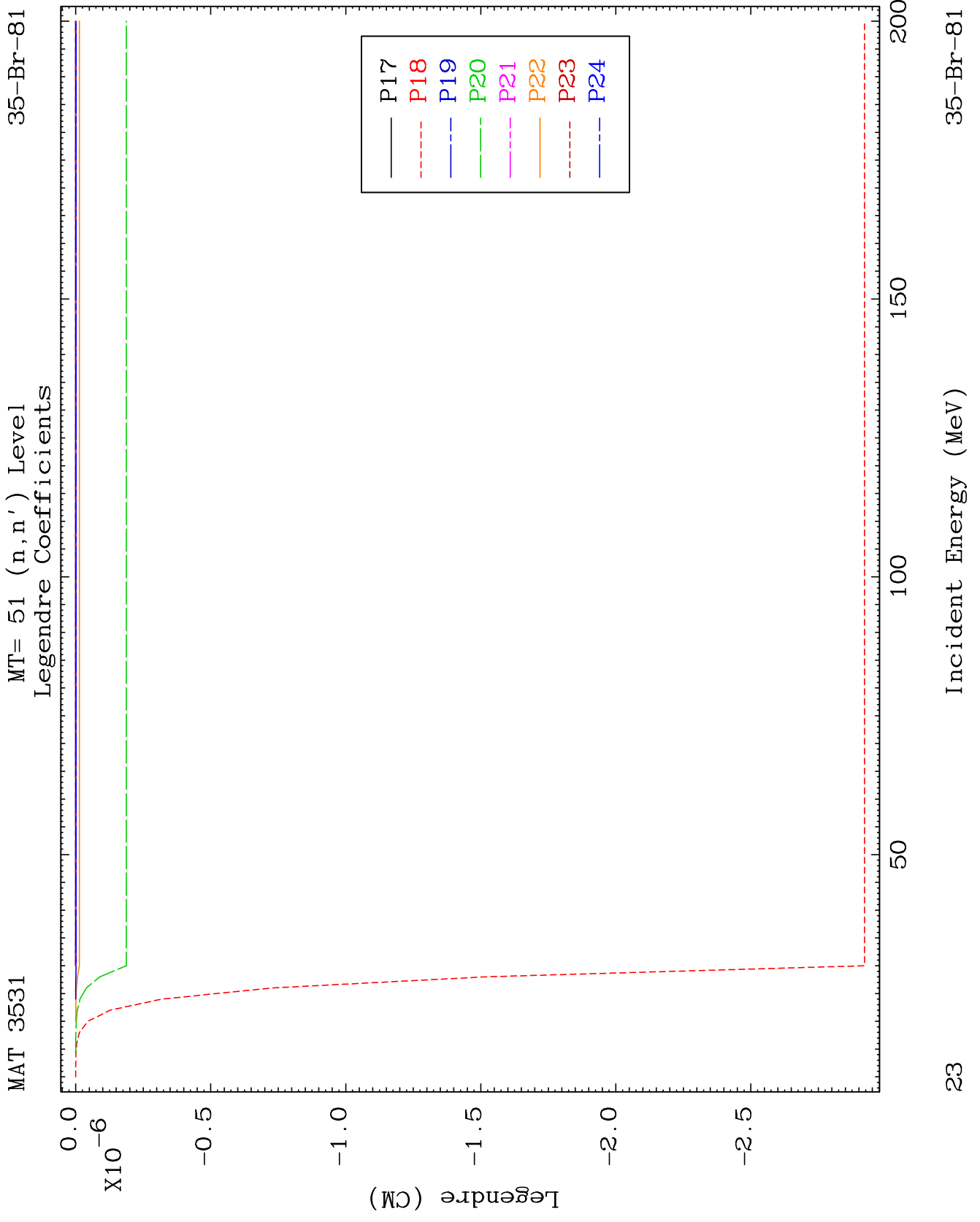


19

35-Br-81



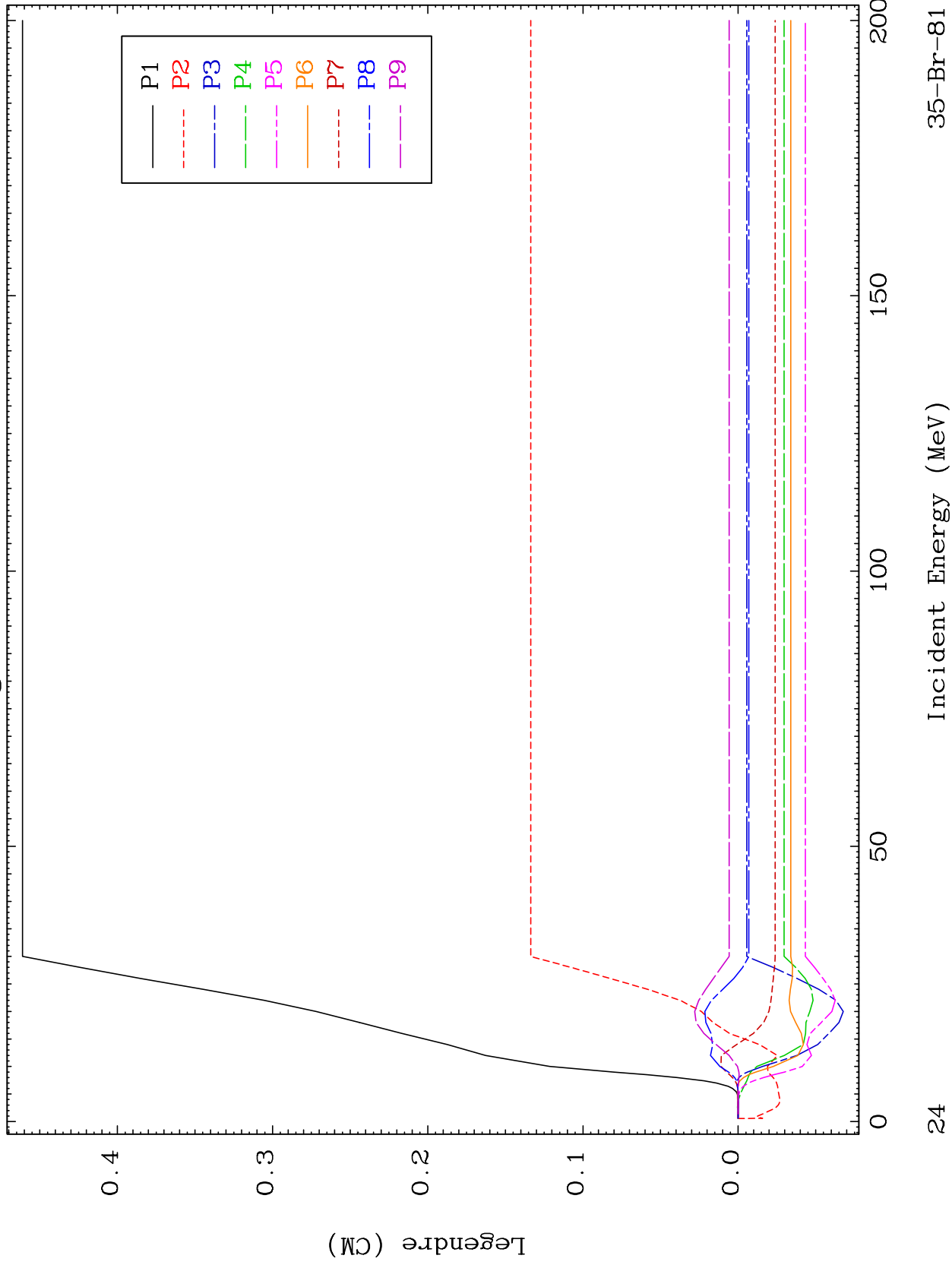




MAT 3531

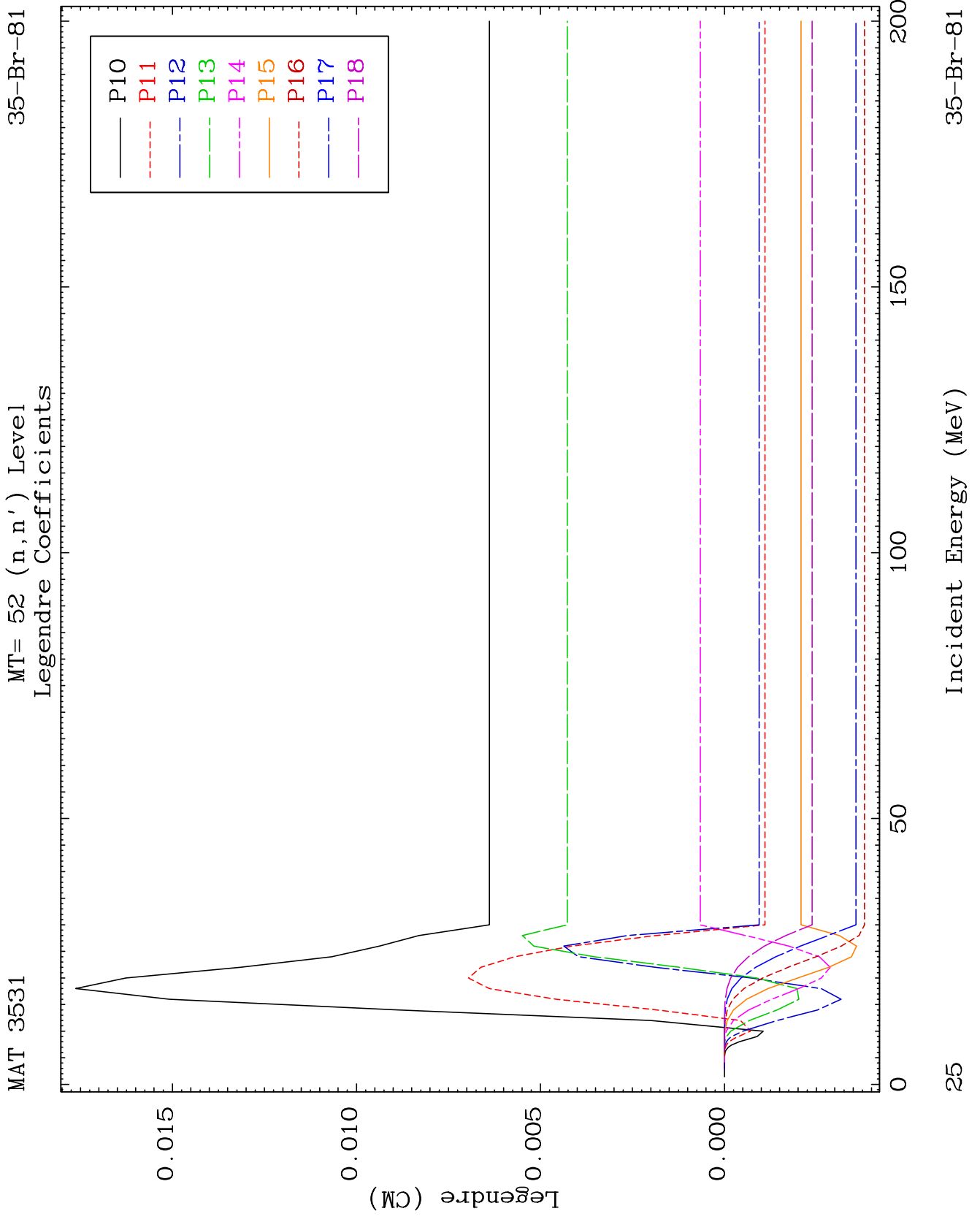
MT= 52 (n,n') Level
Legendre Coefficients

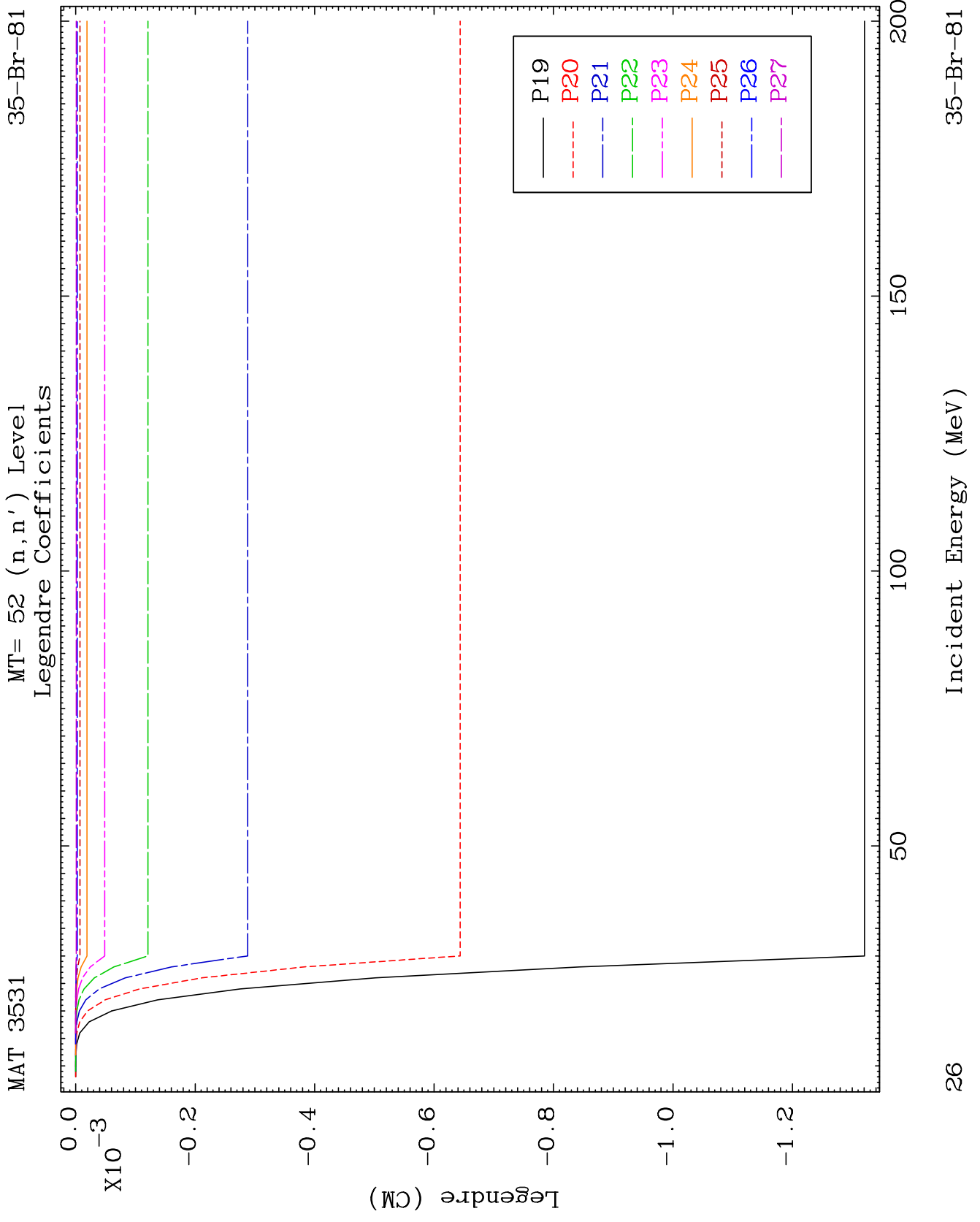
35-Br-81

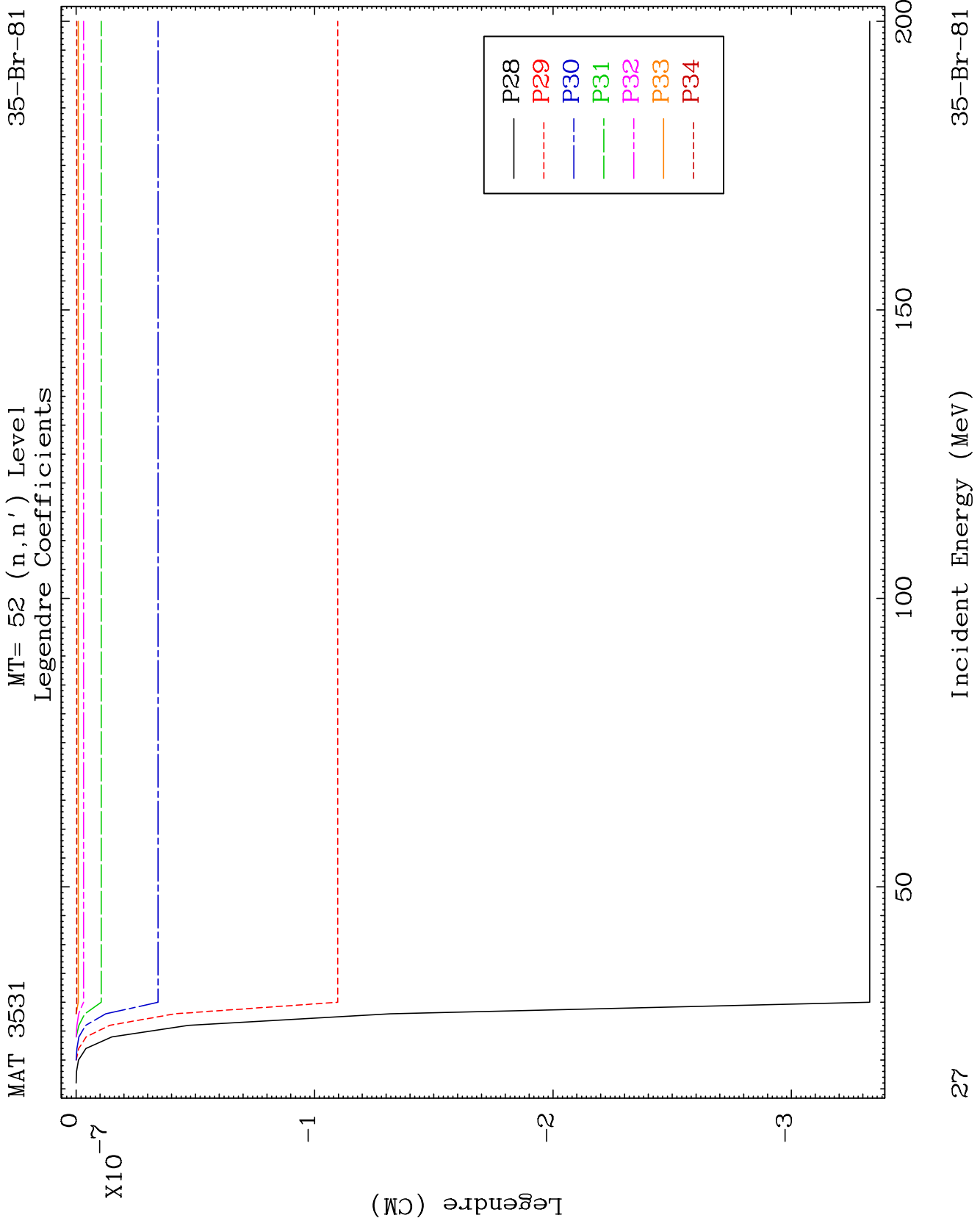


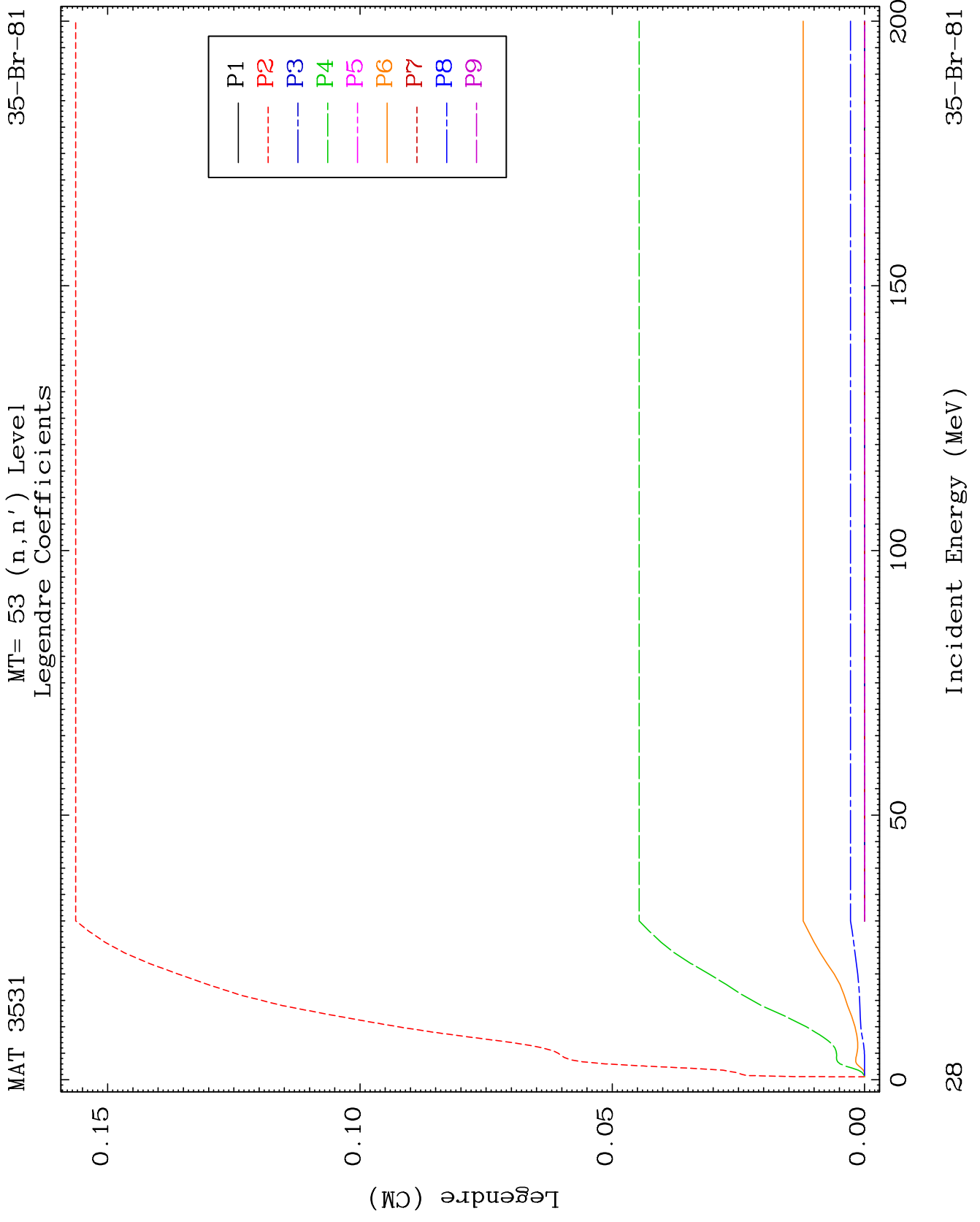
24

35-Br-81





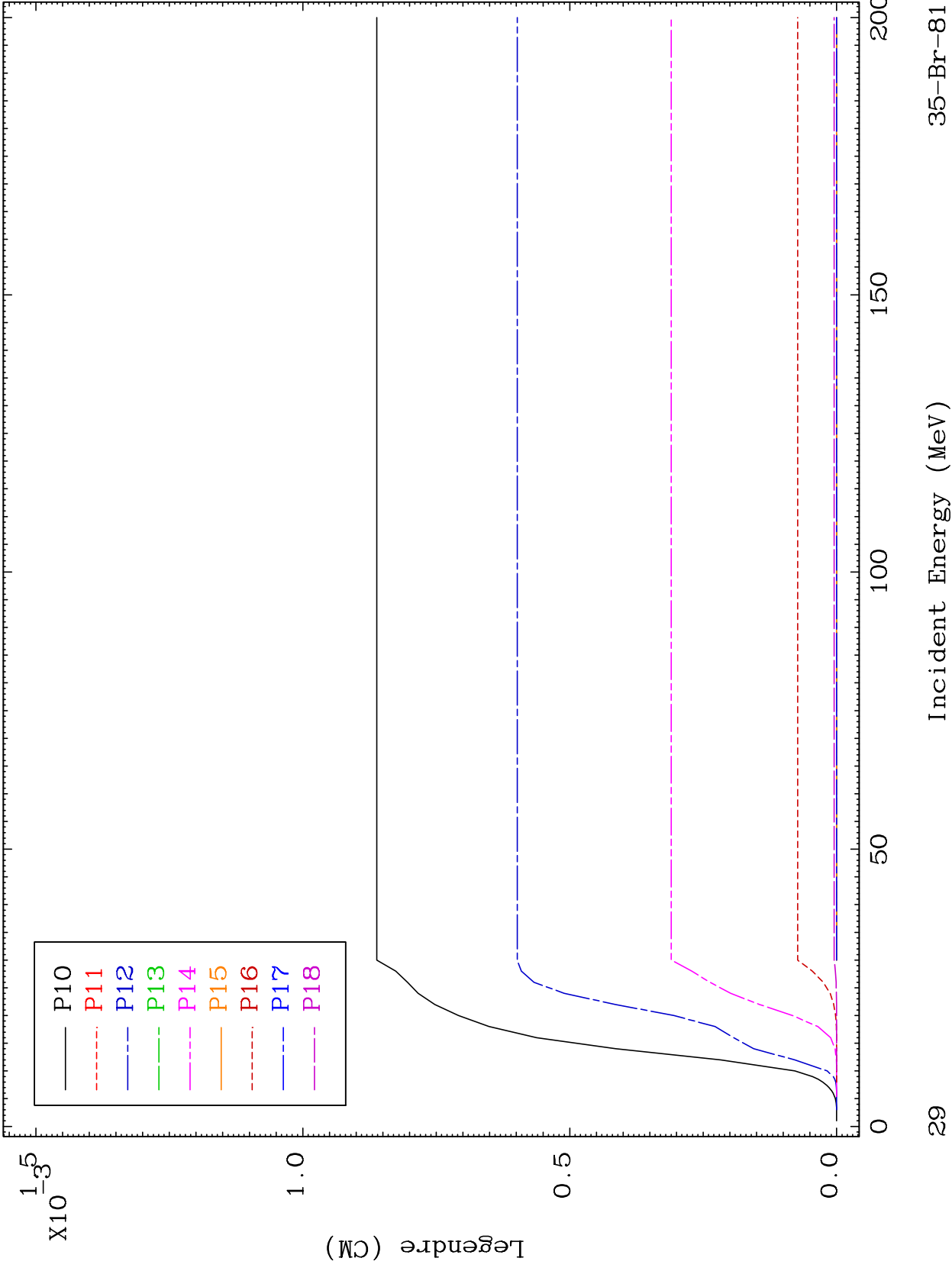




MAT 3531

MT= 53 (n,n') Level
Legendre Coefficients

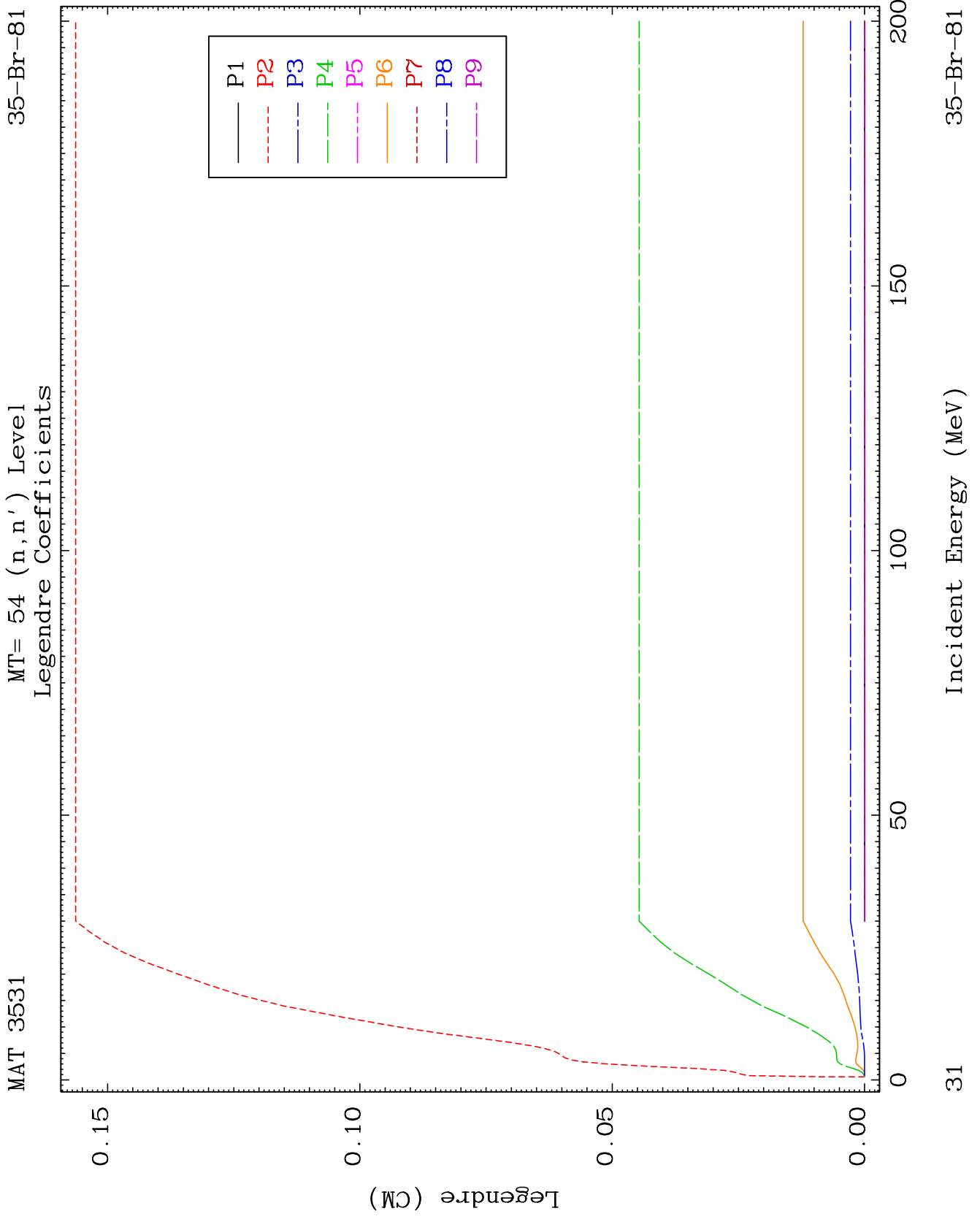
35-Br-81



29

Incident Energy (MeV)

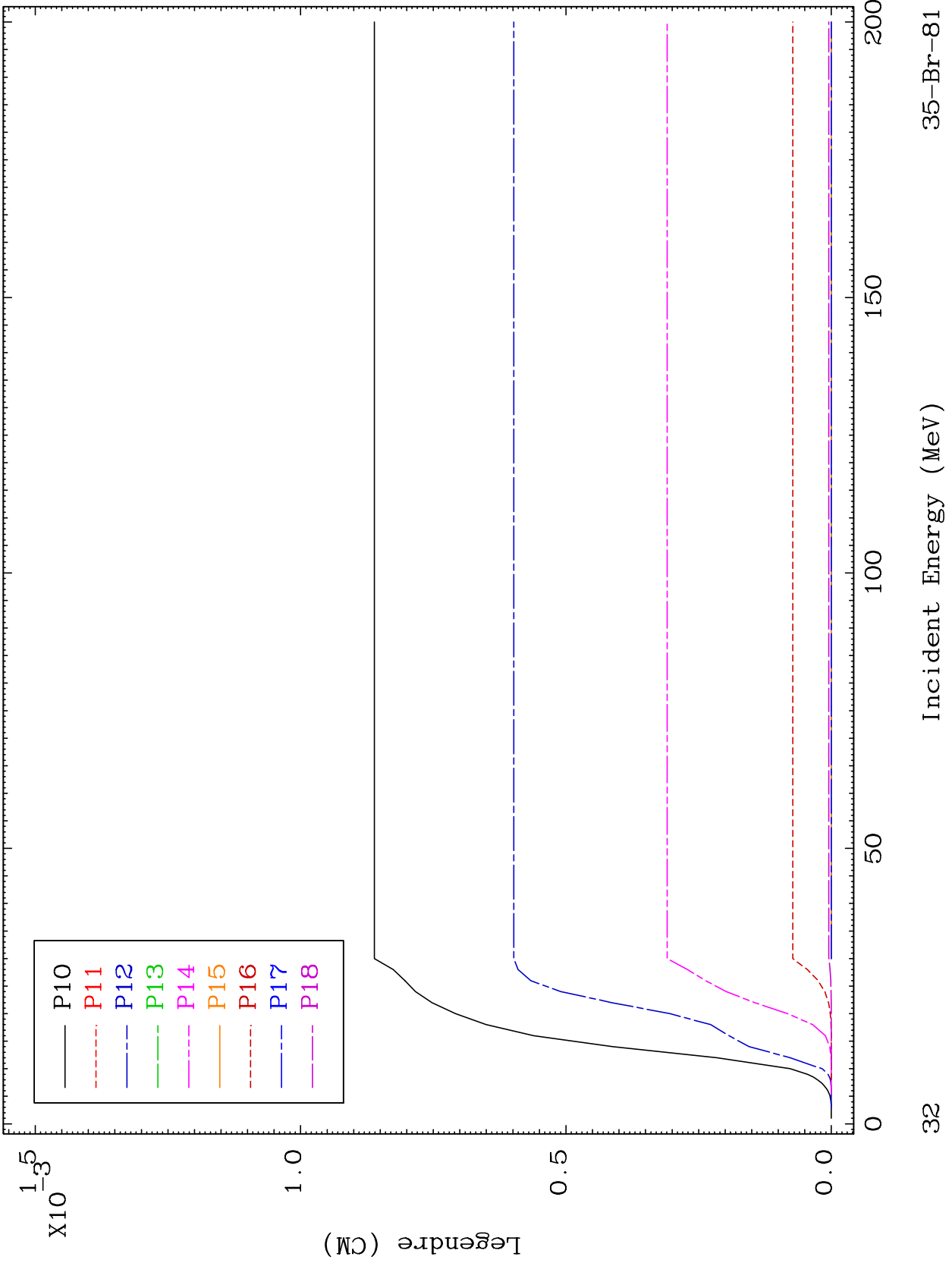
35-Br-81



MAT 3531

MT= 54 (n,n') Level
Legendre Coefficients

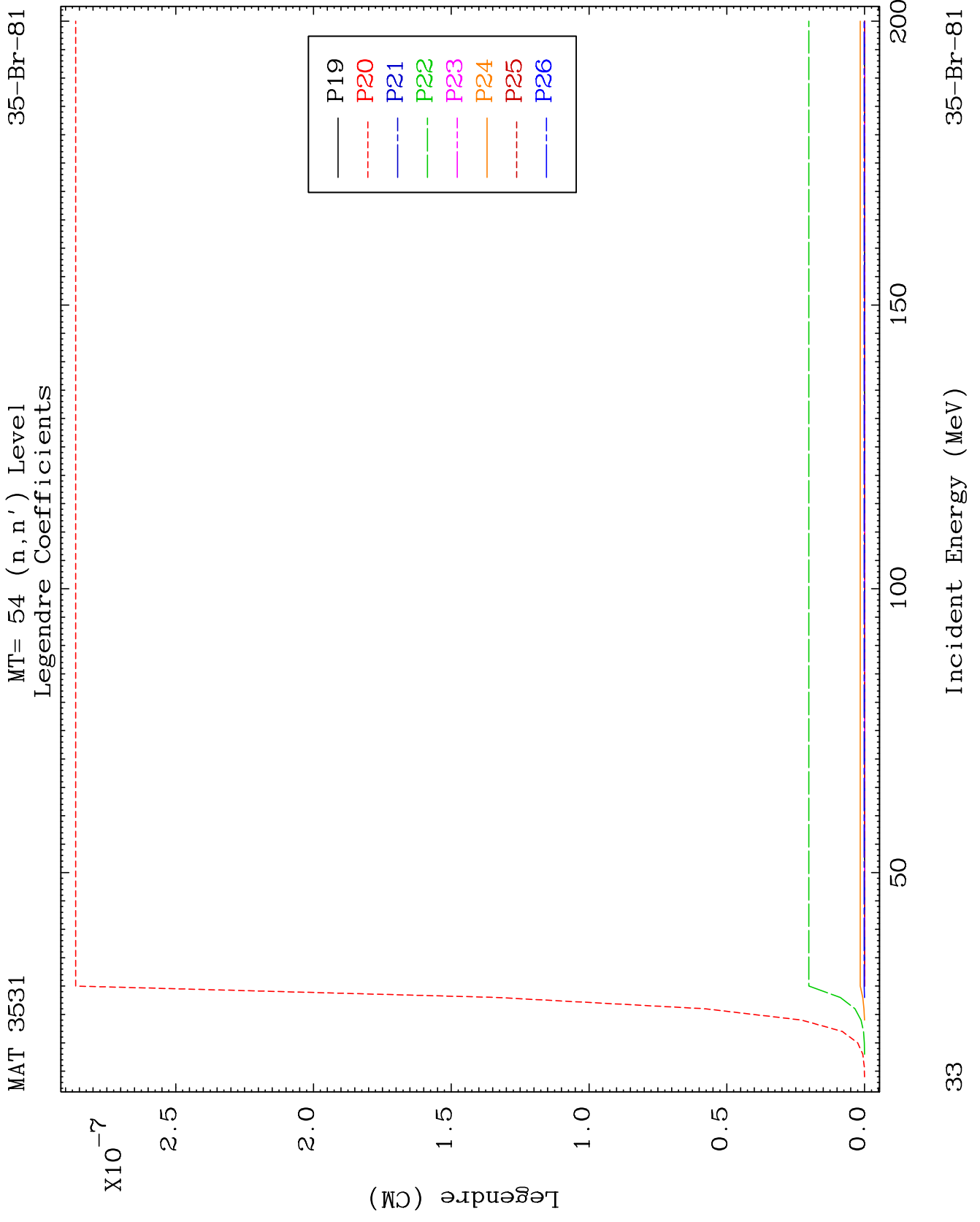
35-Br-81

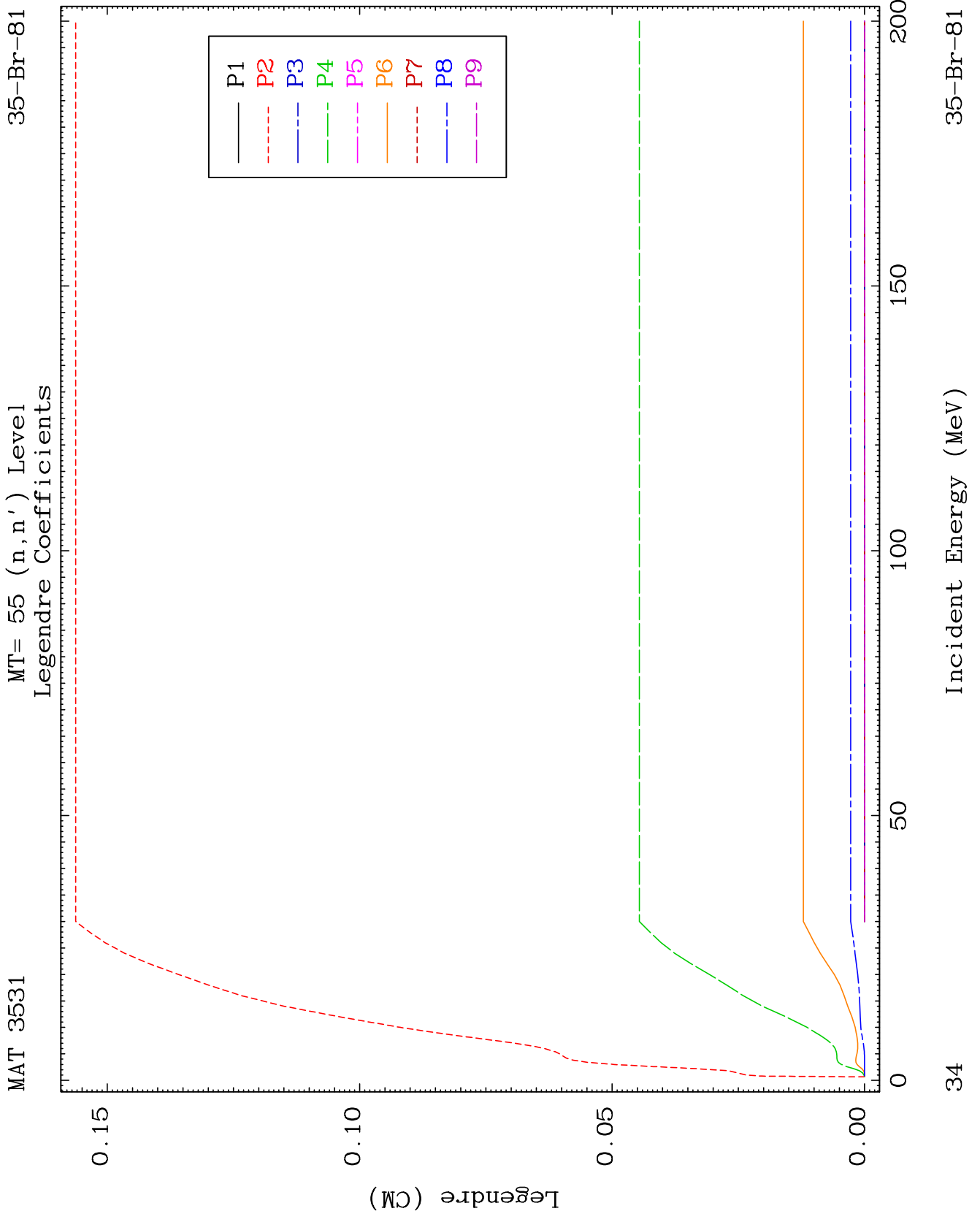


32

Incident Energy (MeV)

35-Br-81

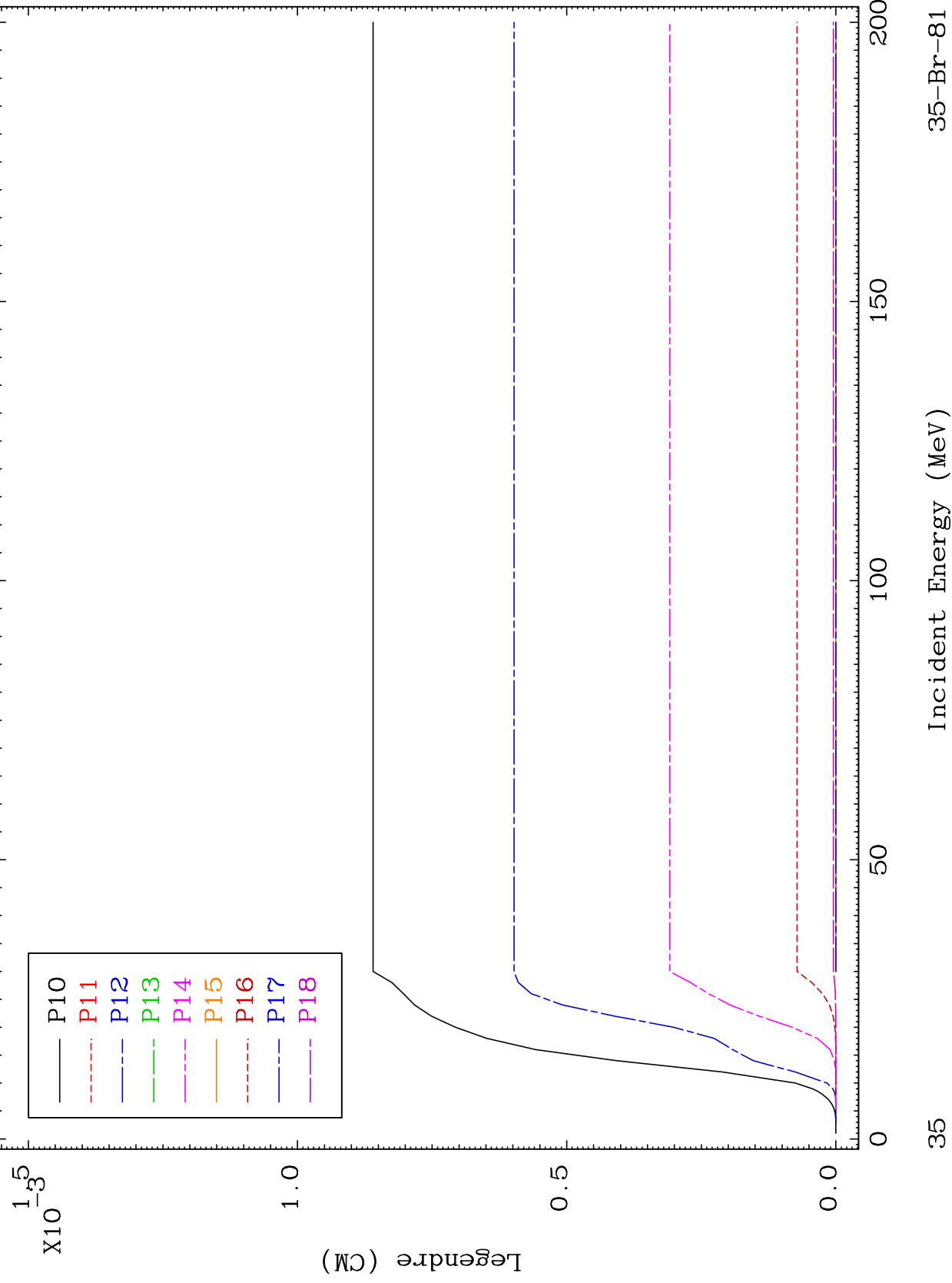




MAT 3531

MT= 55 (n,n') Level
Legendre Coefficients

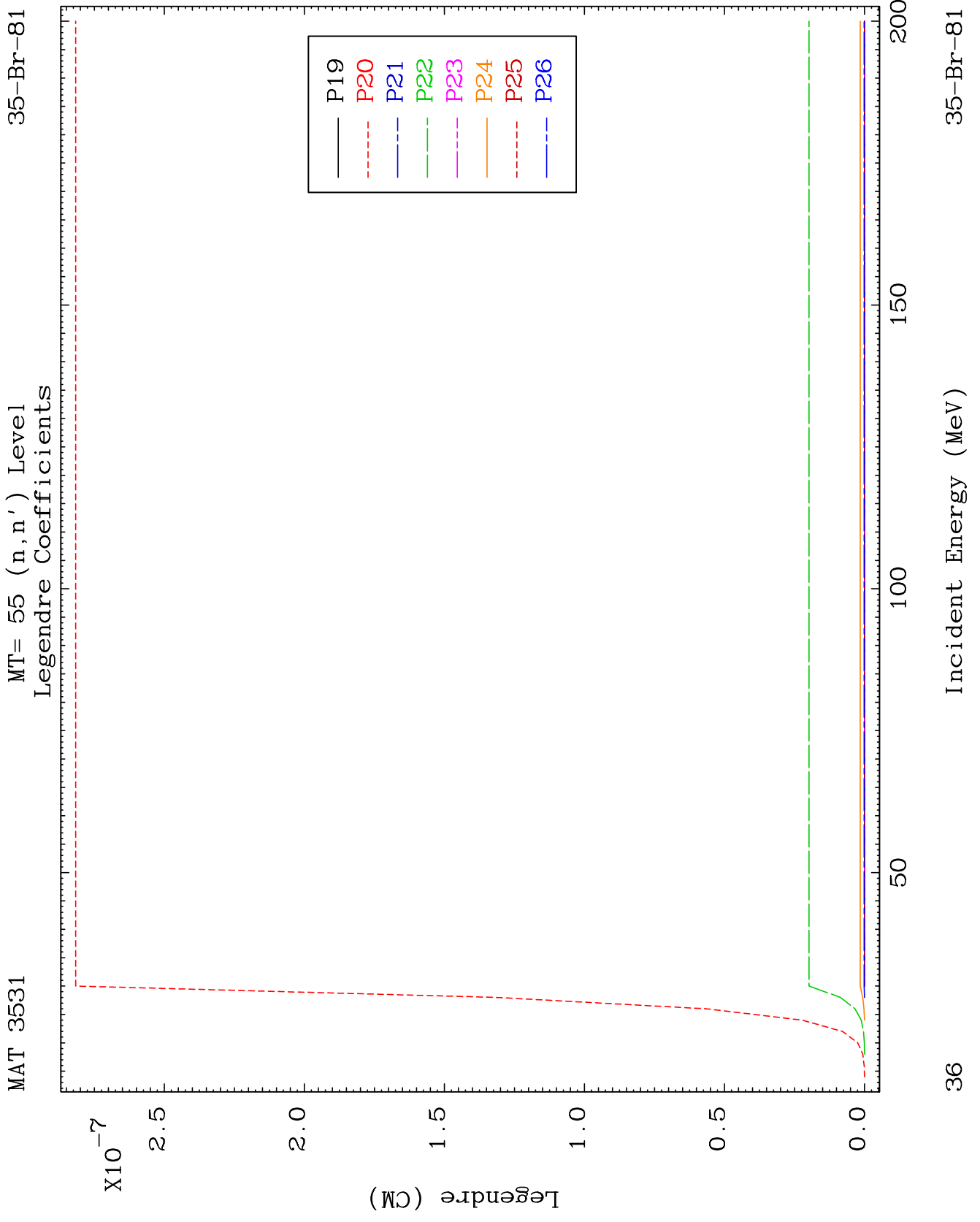
35-Br-81



35

Incident Energy (MeV)

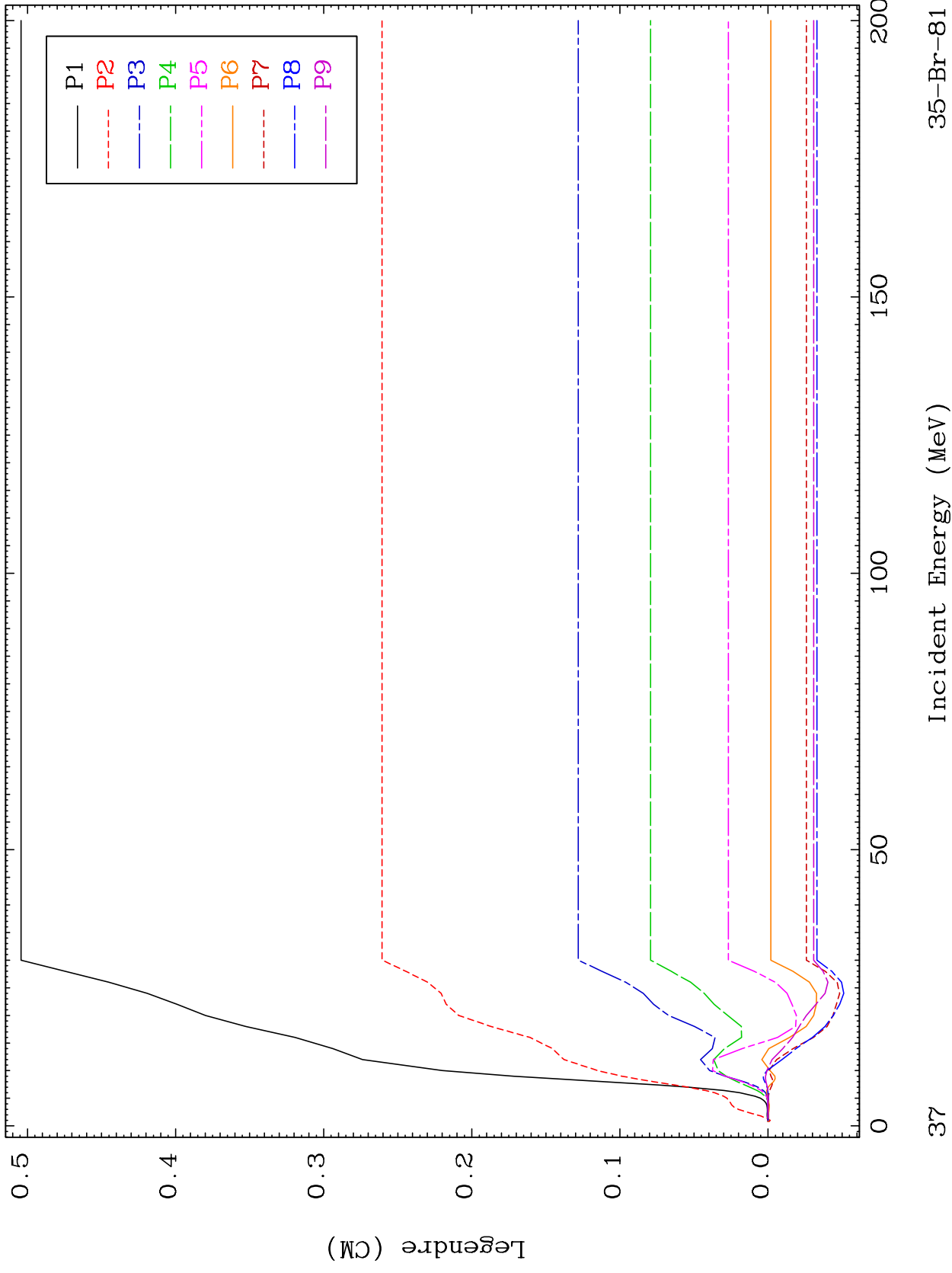
35-Br-81



MAT 3531

MT= 56 (n,n') Level
Legendre Coefficients

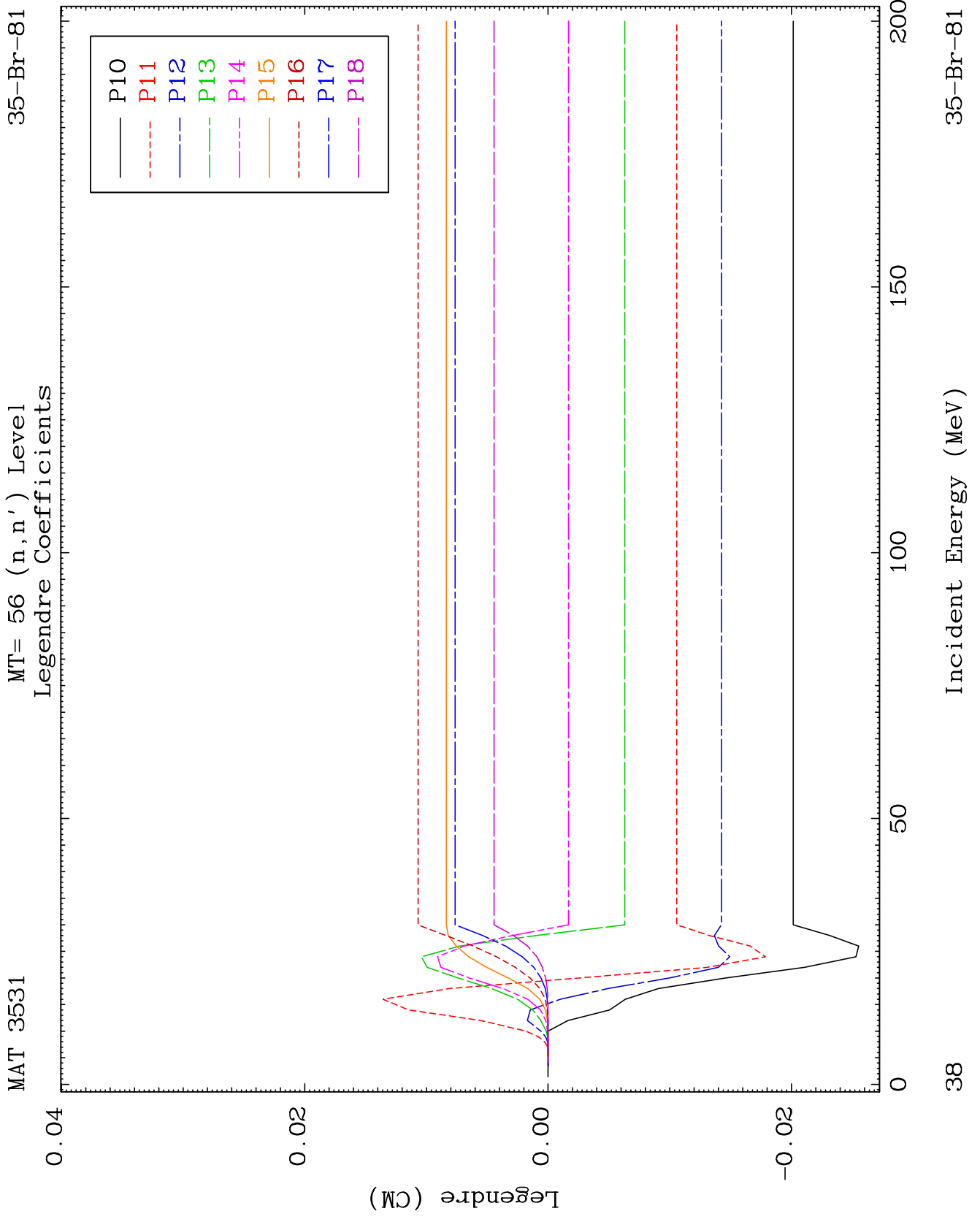
35-Br-81



37

Incident Energy (MeV)

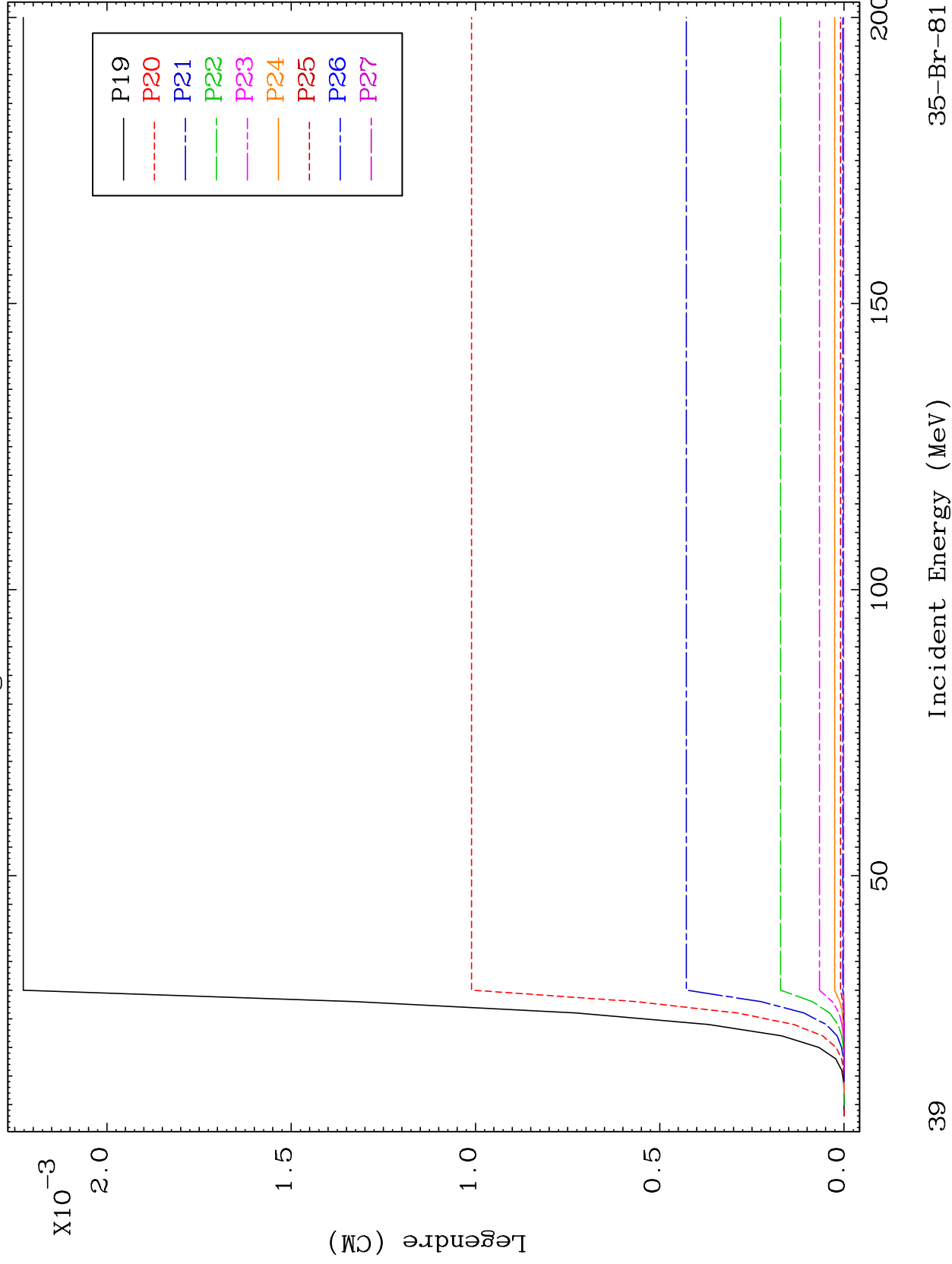
35-Br-81



MAT 3531

MT= 56 (n,n') Level
Legendre Coefficients

35-Br-81



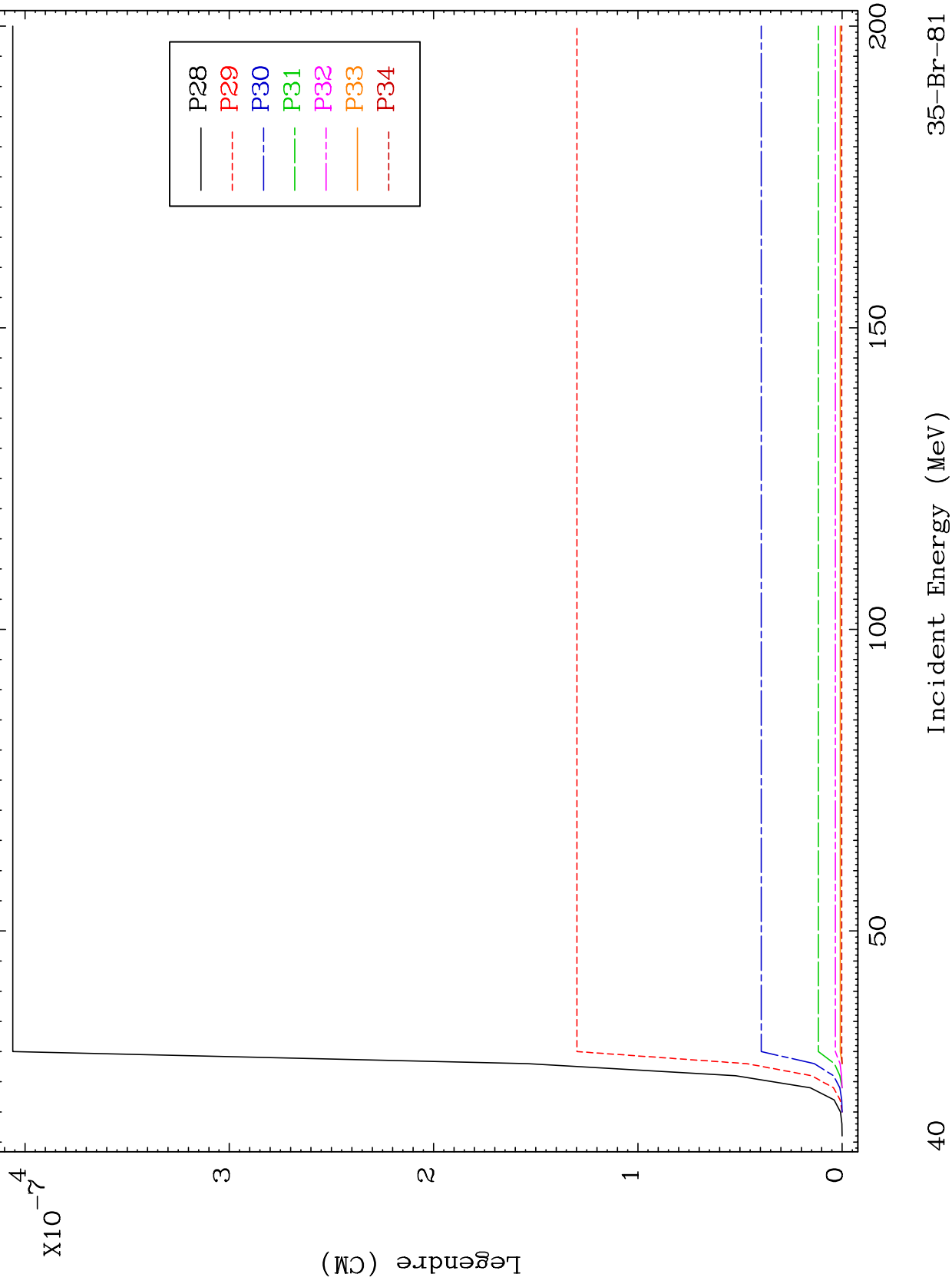
39

35-Br-81

MAT 3531

MT= 56 (n,n') Level
Legendre Coefficients

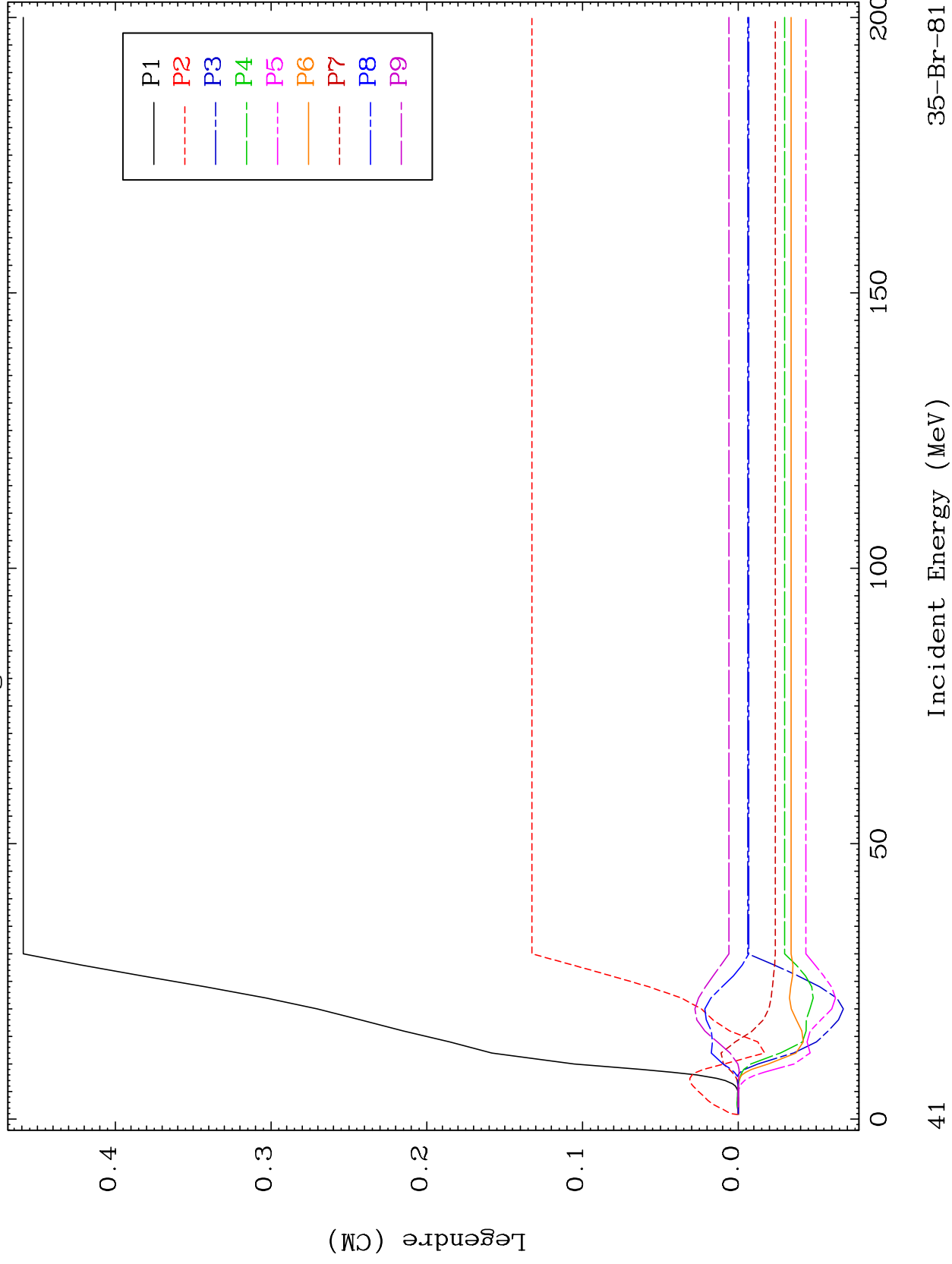
35-Br-81



MAT 3531

MT= 57 (n,n') Level
Legendre Coefficients

35-Br-81



41

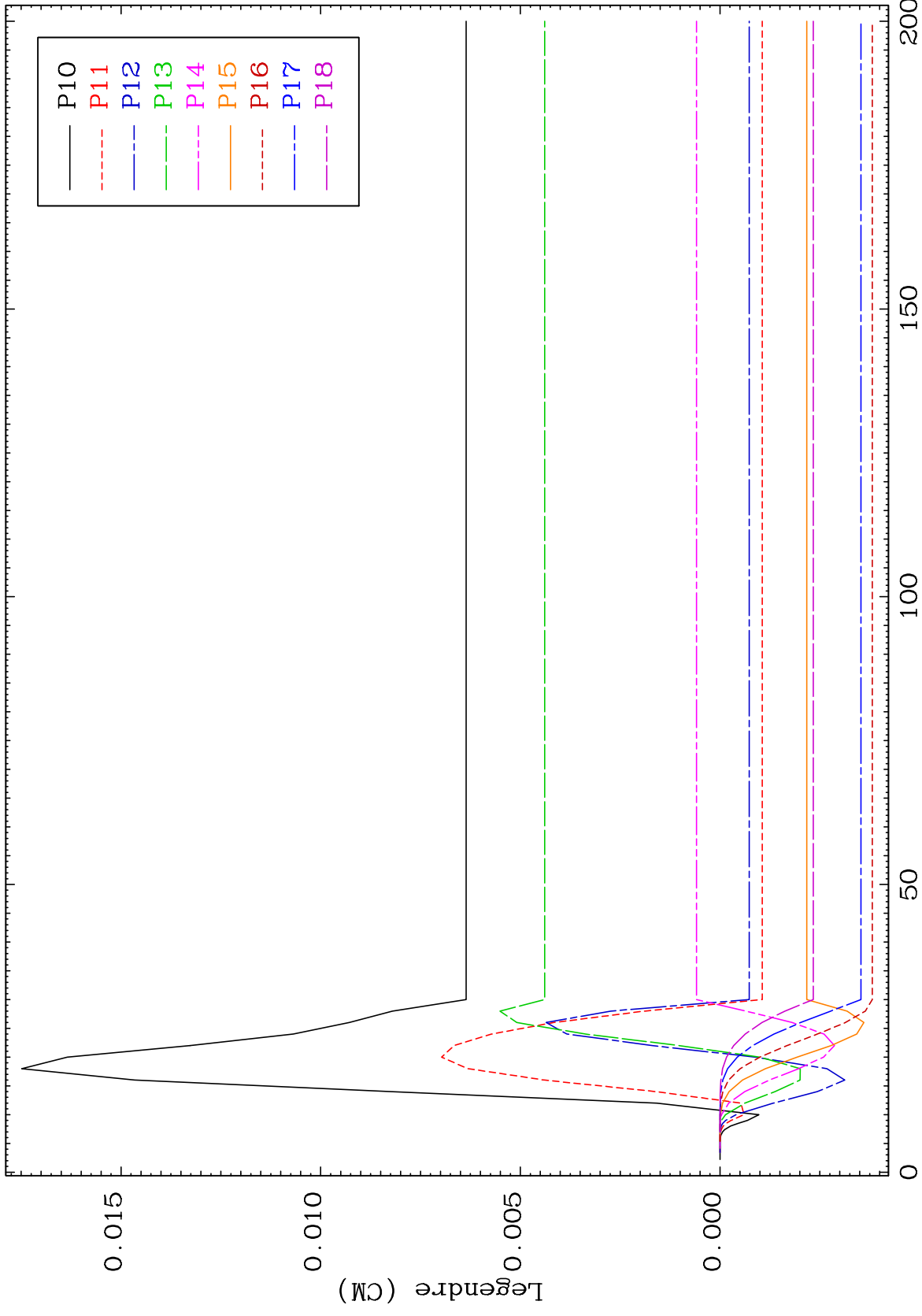
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 57 (n,n') Level
Legendre Coefficients

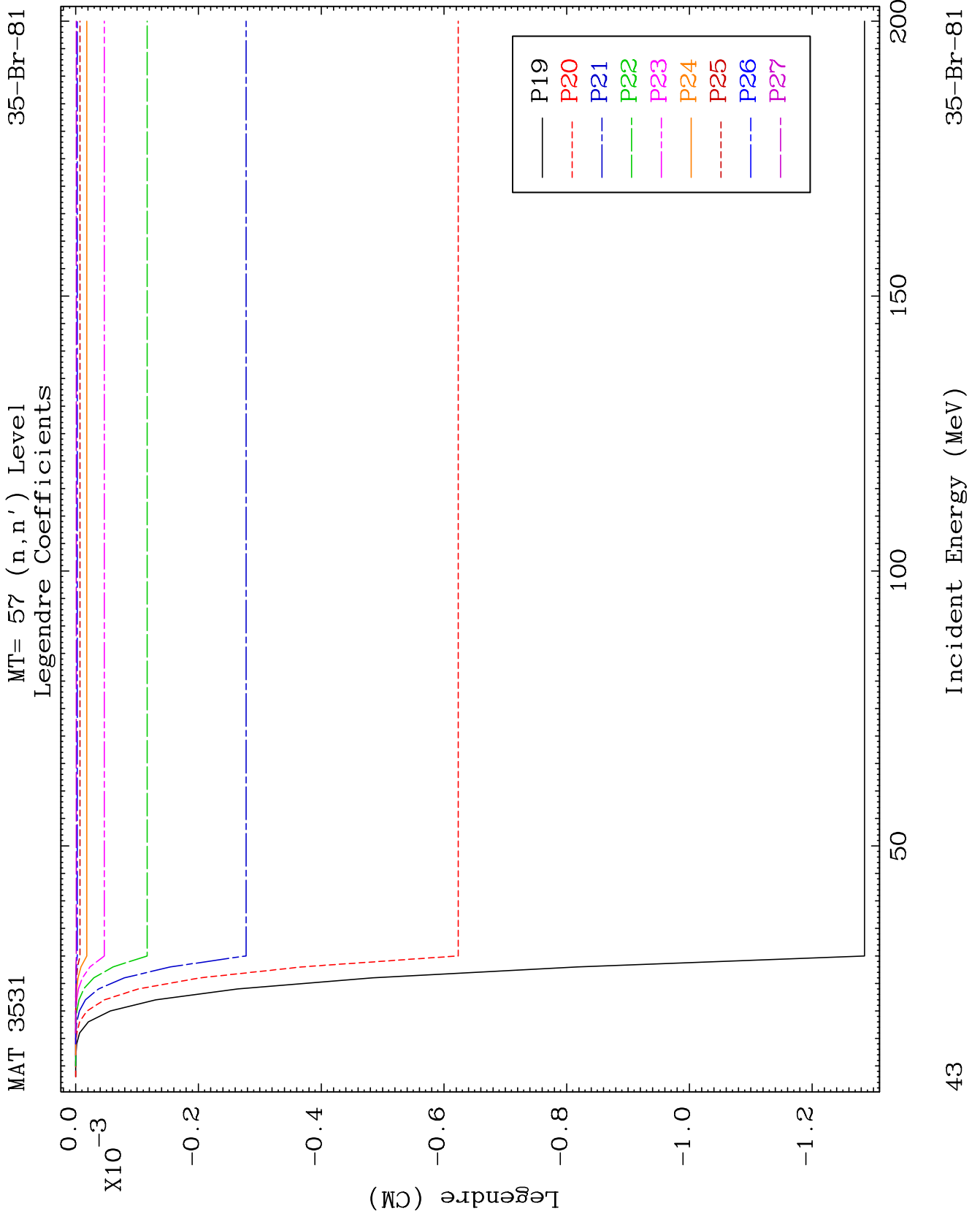
35-Br-81

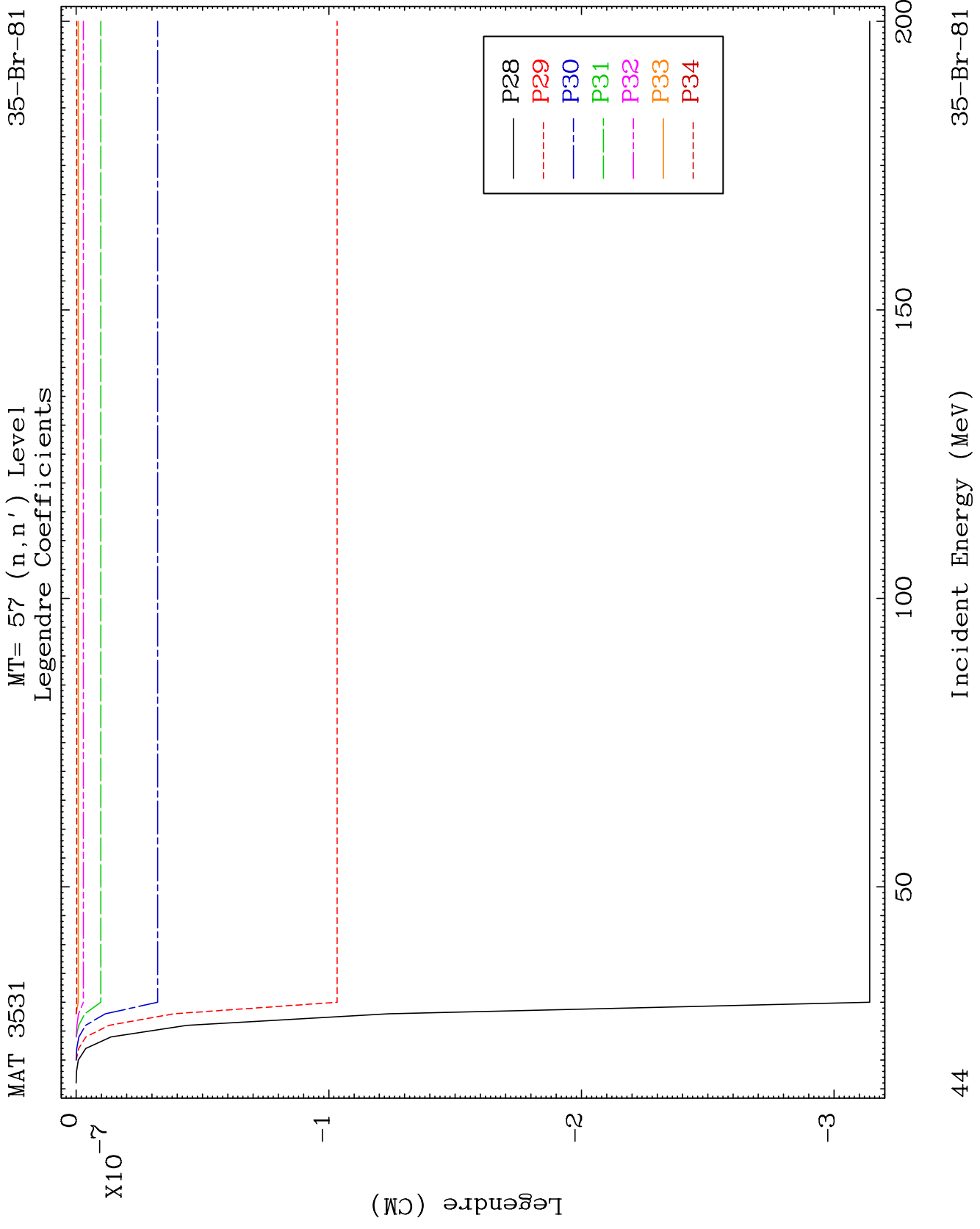


42

Incident Energy (MeV)

35-Br-81

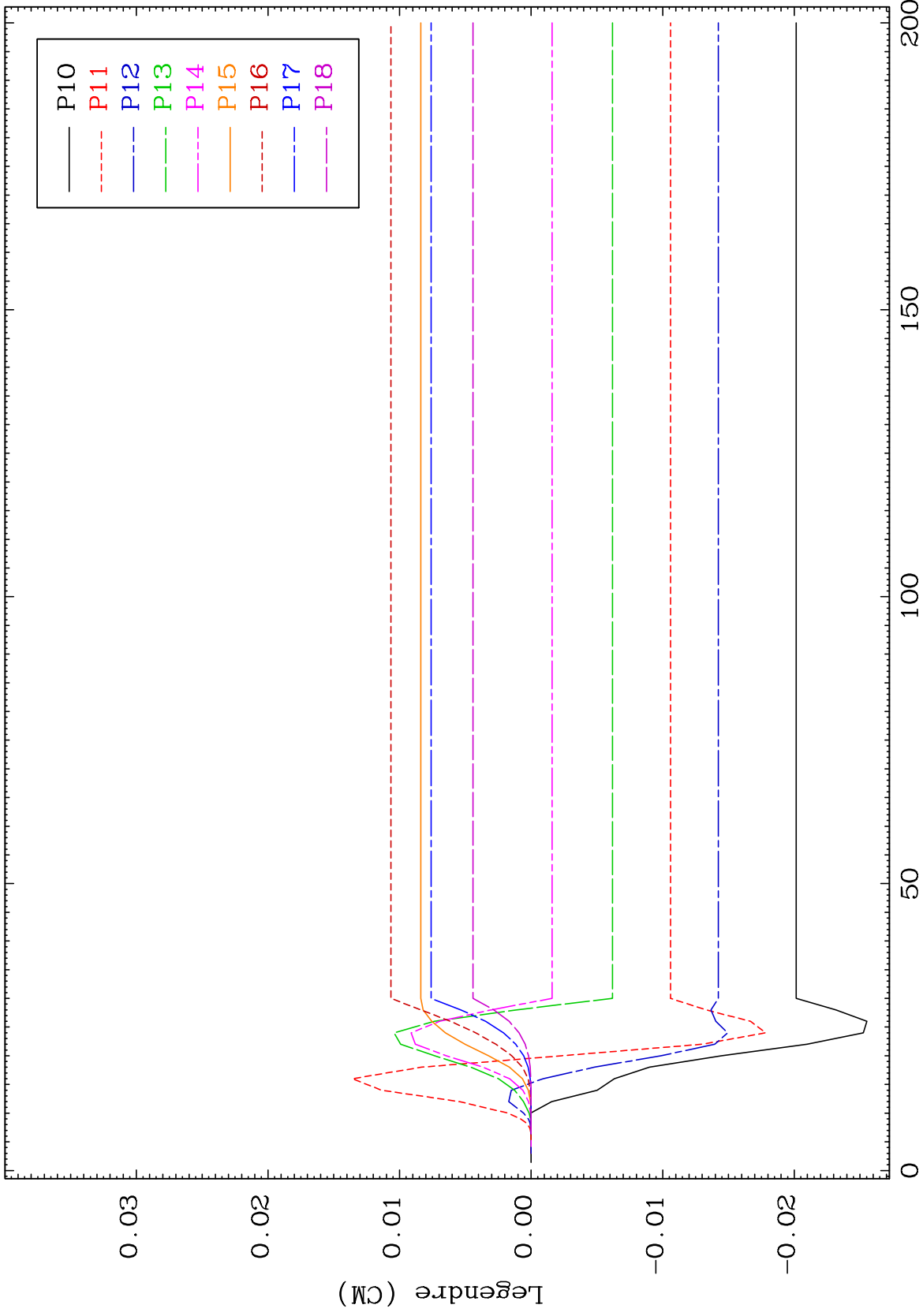




MAT 3531

MT= 58 (n,n') Level
Legendre Coefficients

35-Br-81



46

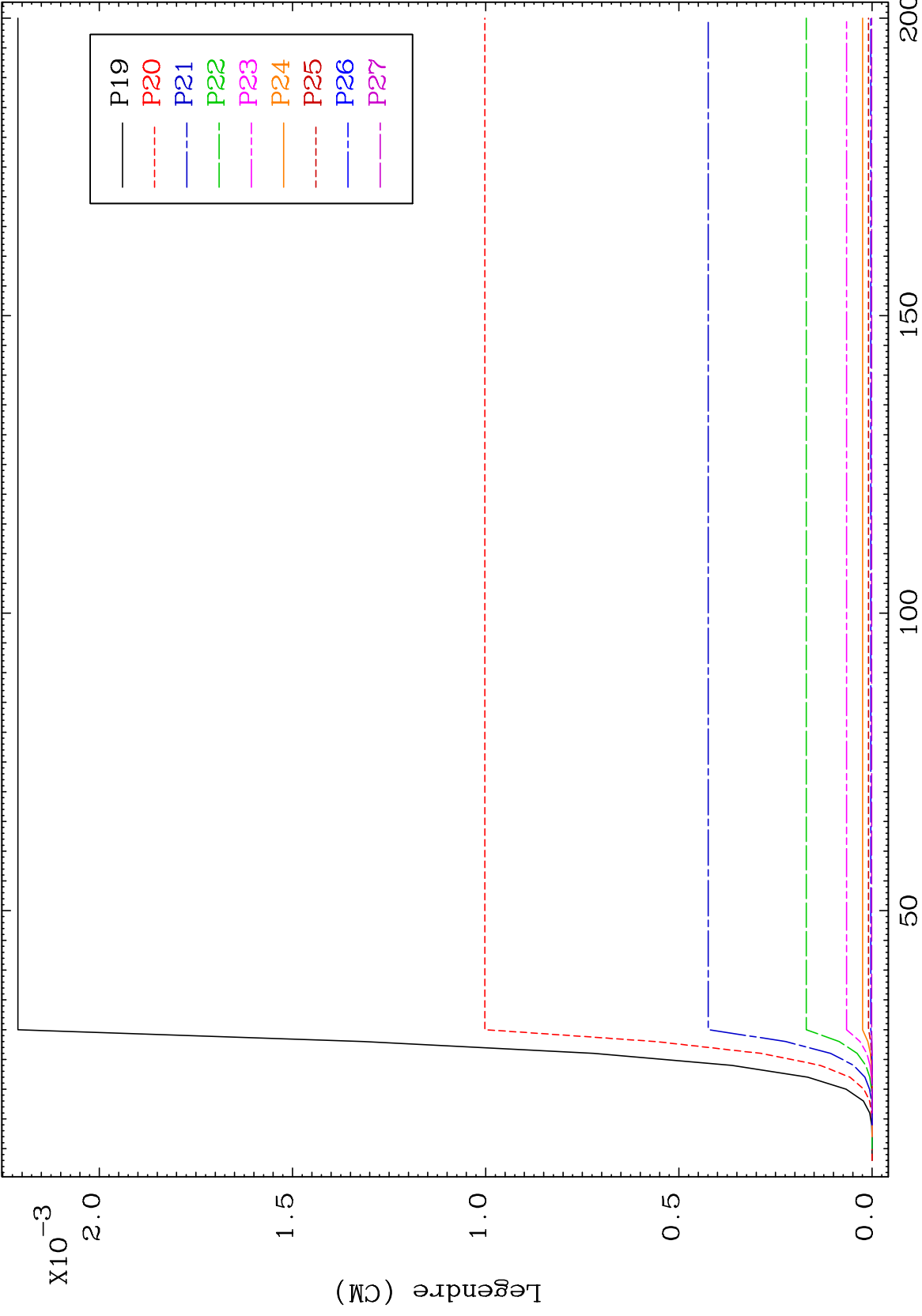
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 58 (n,n') Level
Legendre Coefficients

35-Br-81



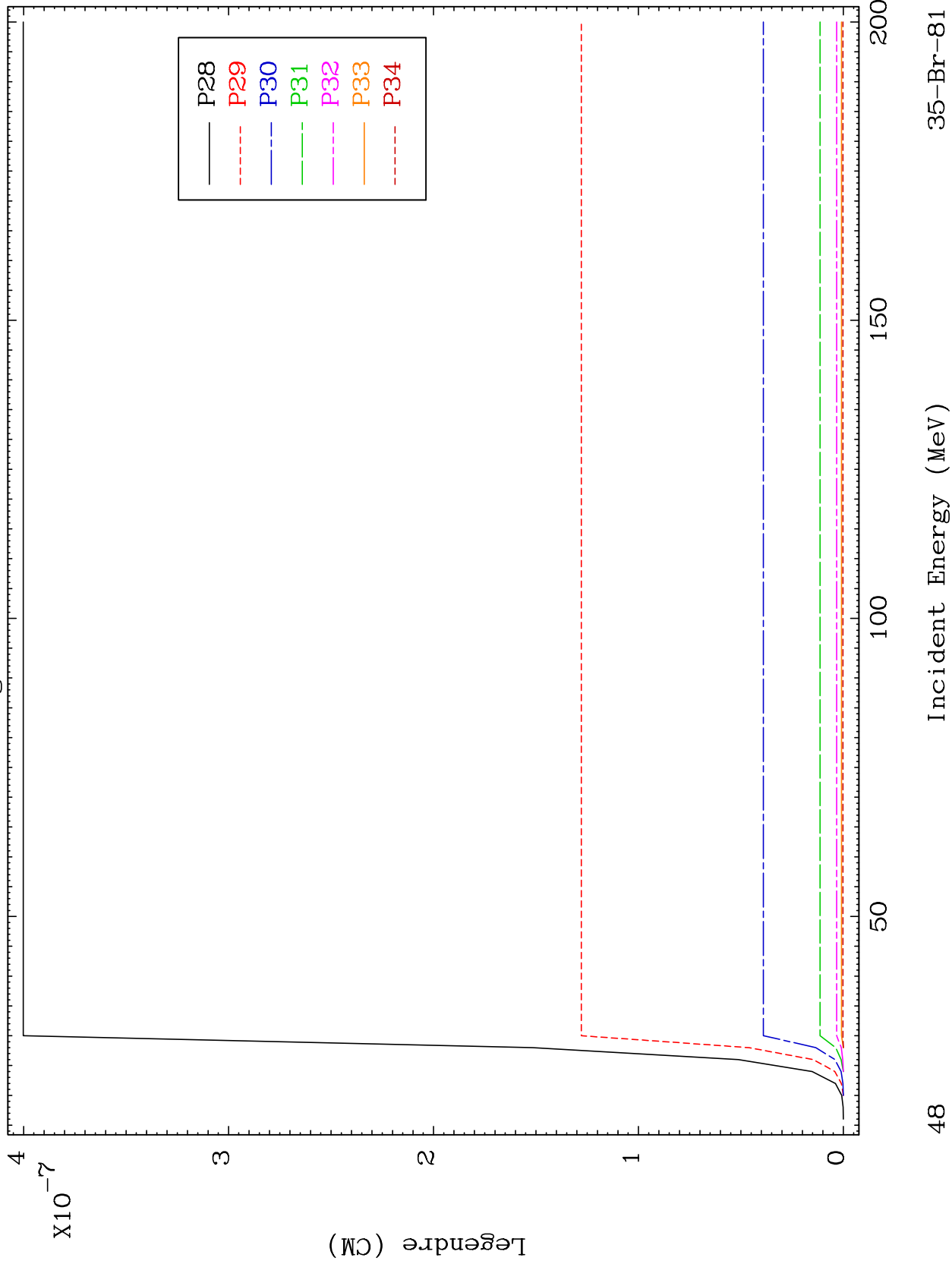
47

35-Br-81

MAT 3531

MT= 58 (n,n') Level
Legendre Coefficients

35-Br-81



48

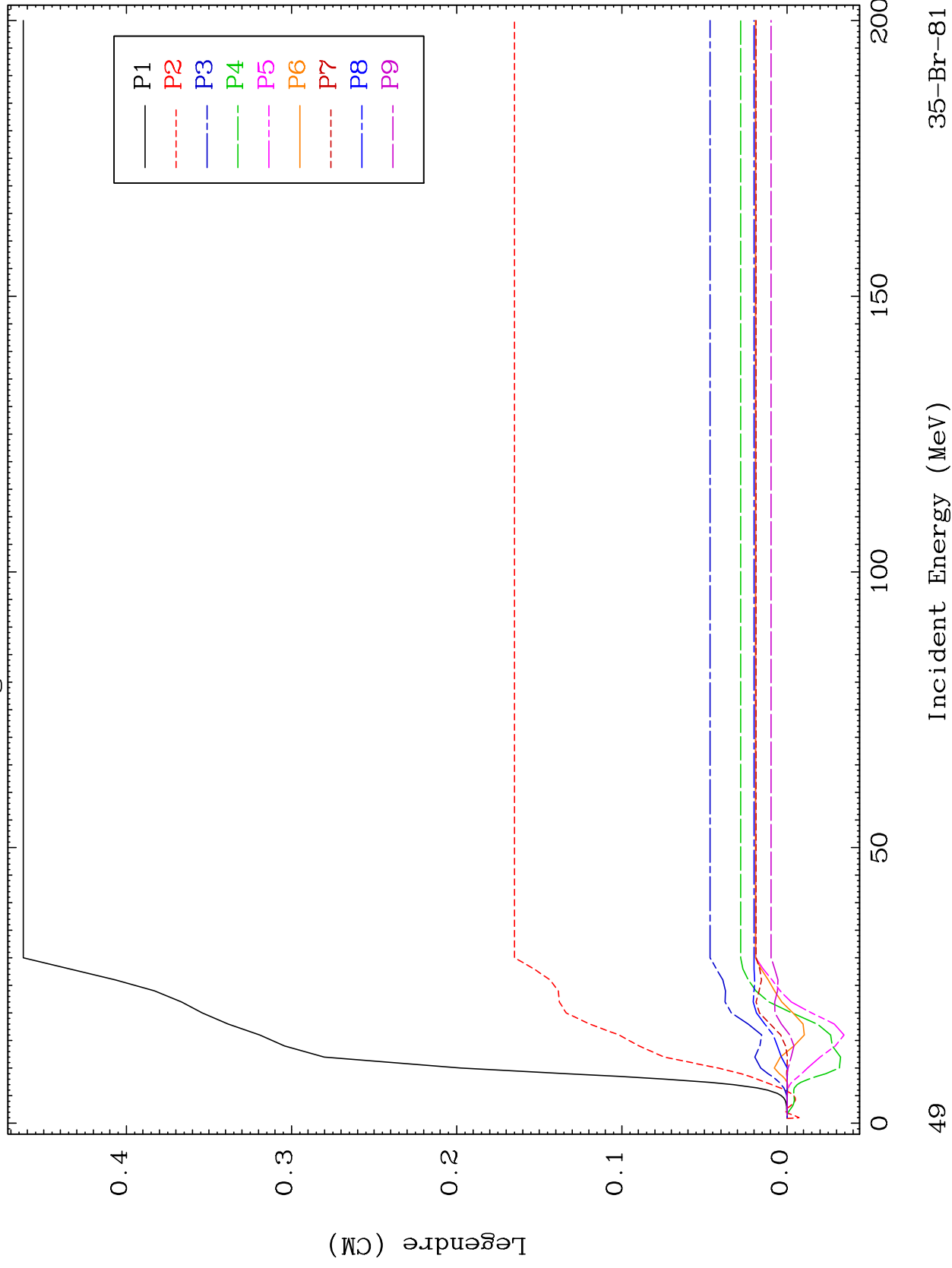
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 59 (n,n') Level
Legendre Coefficients

35-Br-81



35-Br-81

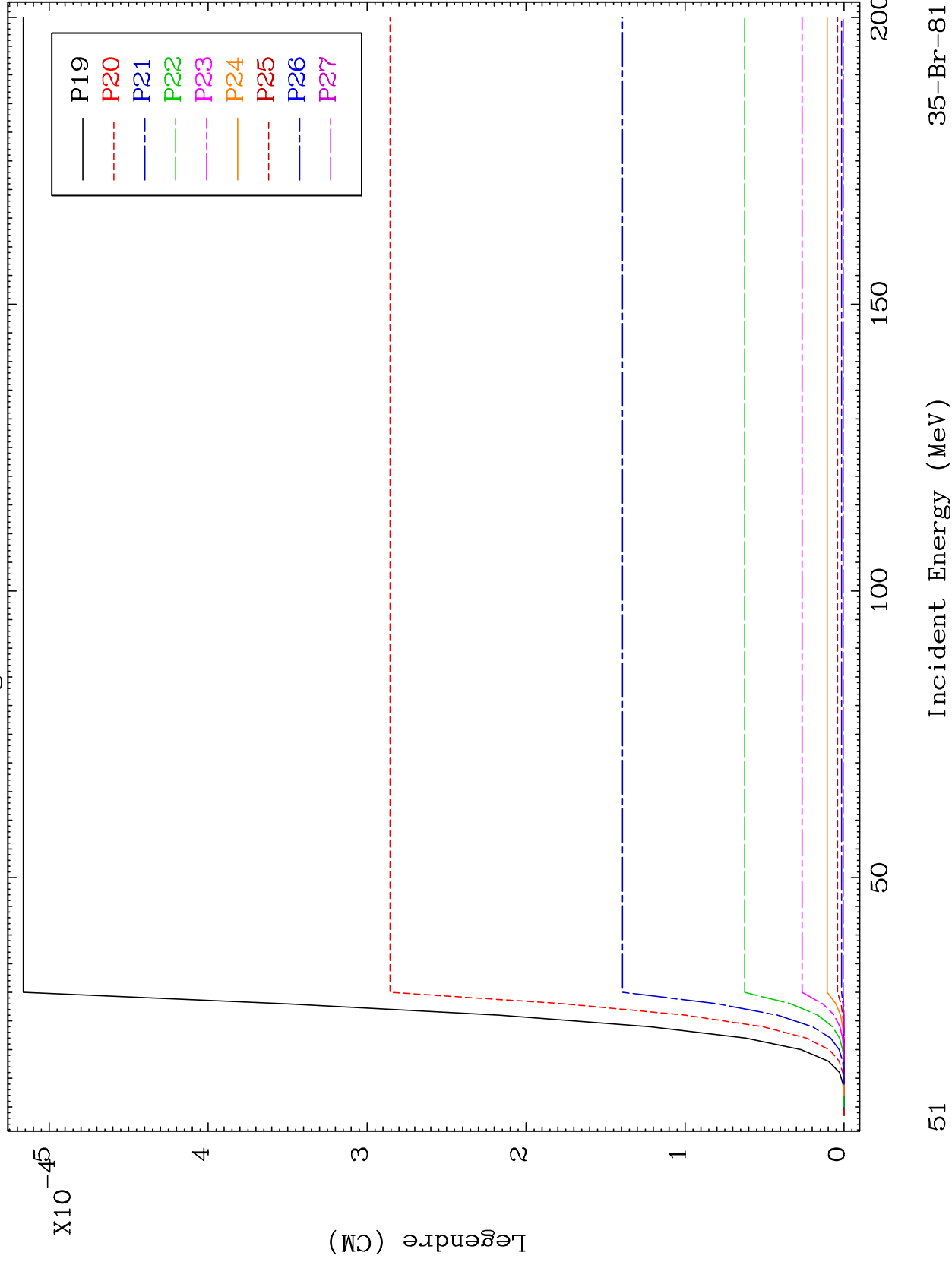
Incident Energy (MeV)

49

MAT 3531

MT= 59 (n,n') Level
Legendre Coefficients

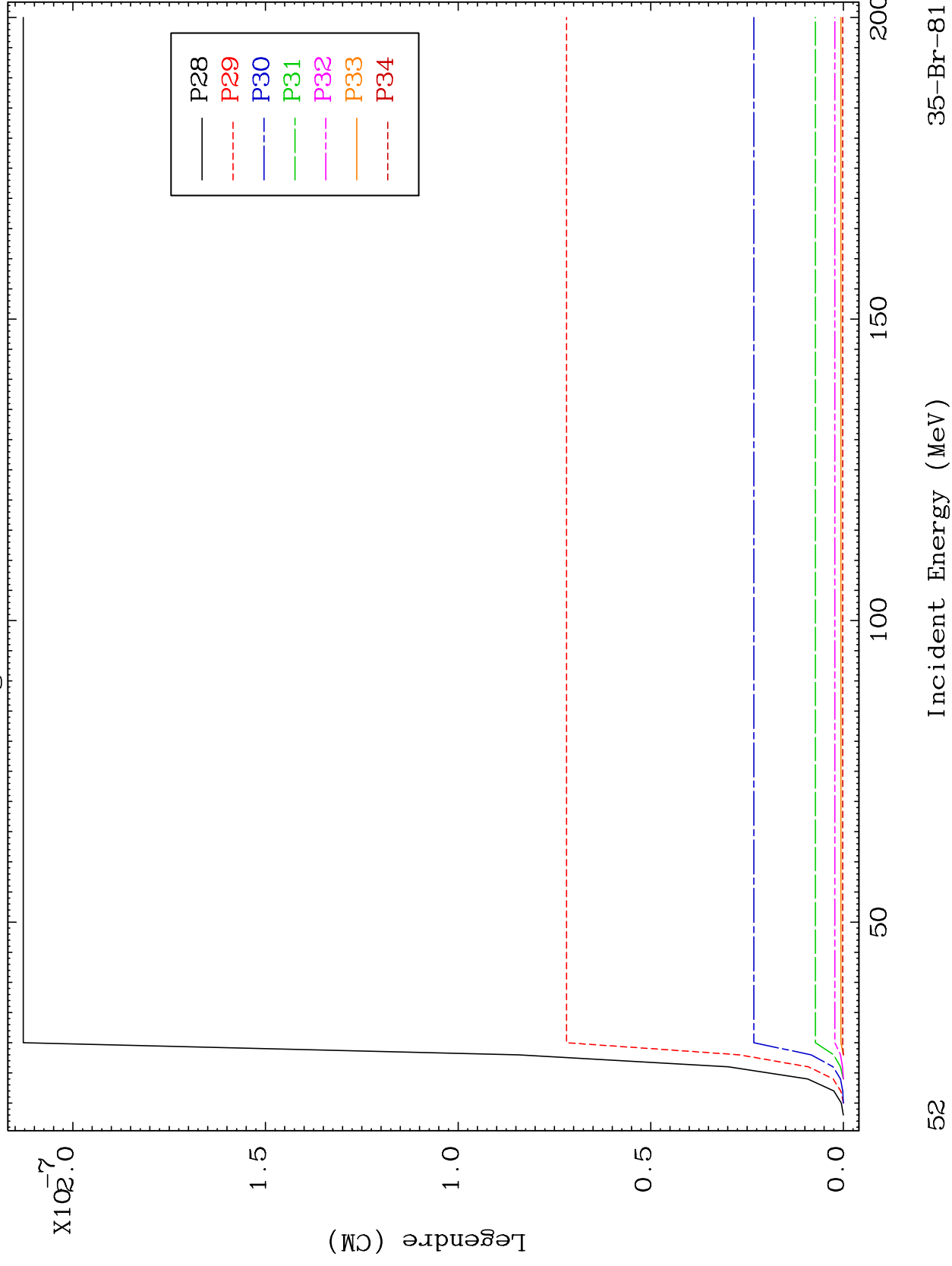
35-Br-81



MAT 3531

MT= 59 (n,n') Level
Legendre Coefficients

35-Br-81



52

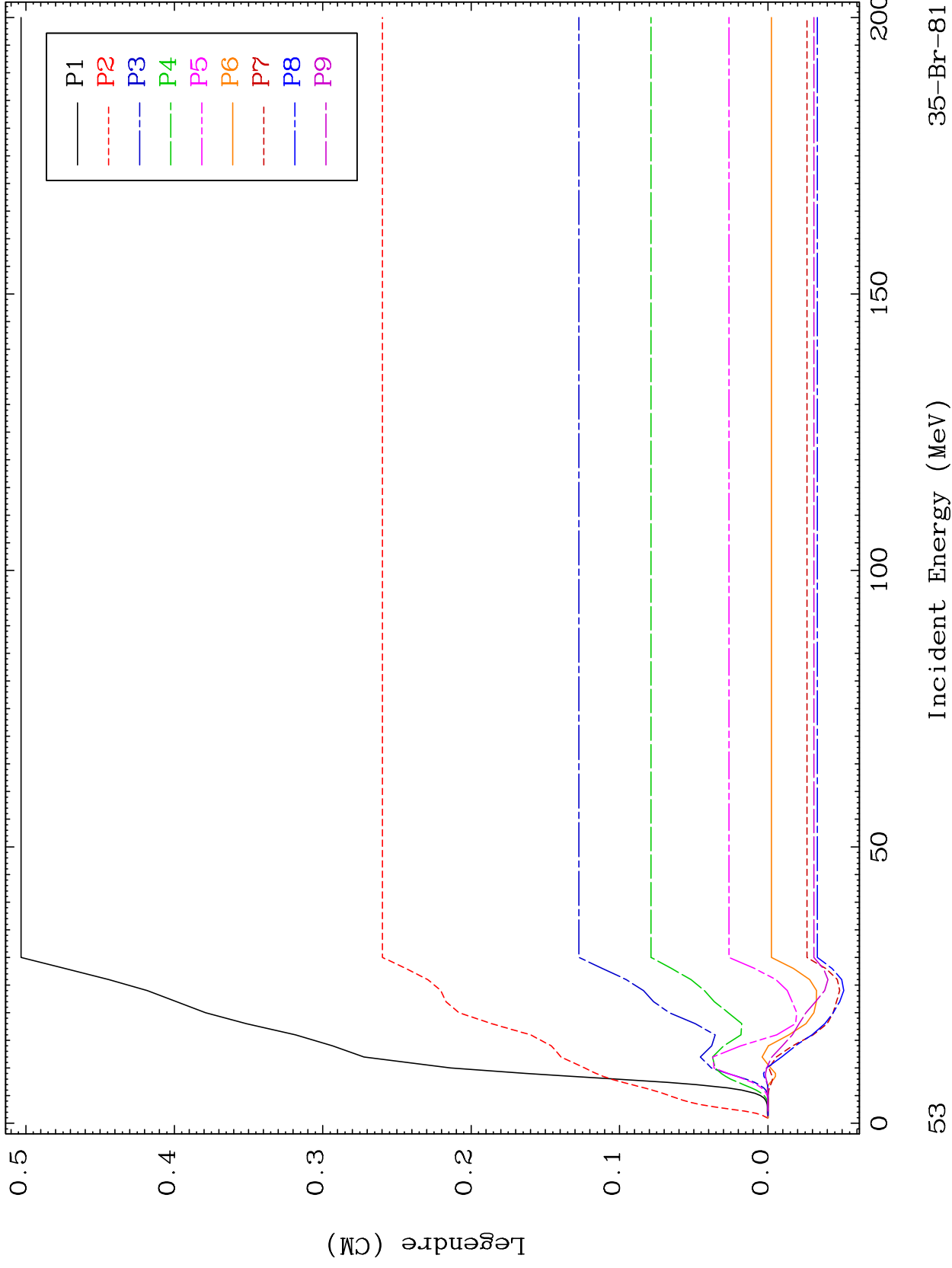
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 60 (n,n') Level
Legendre Coefficients

35-Br-81



53

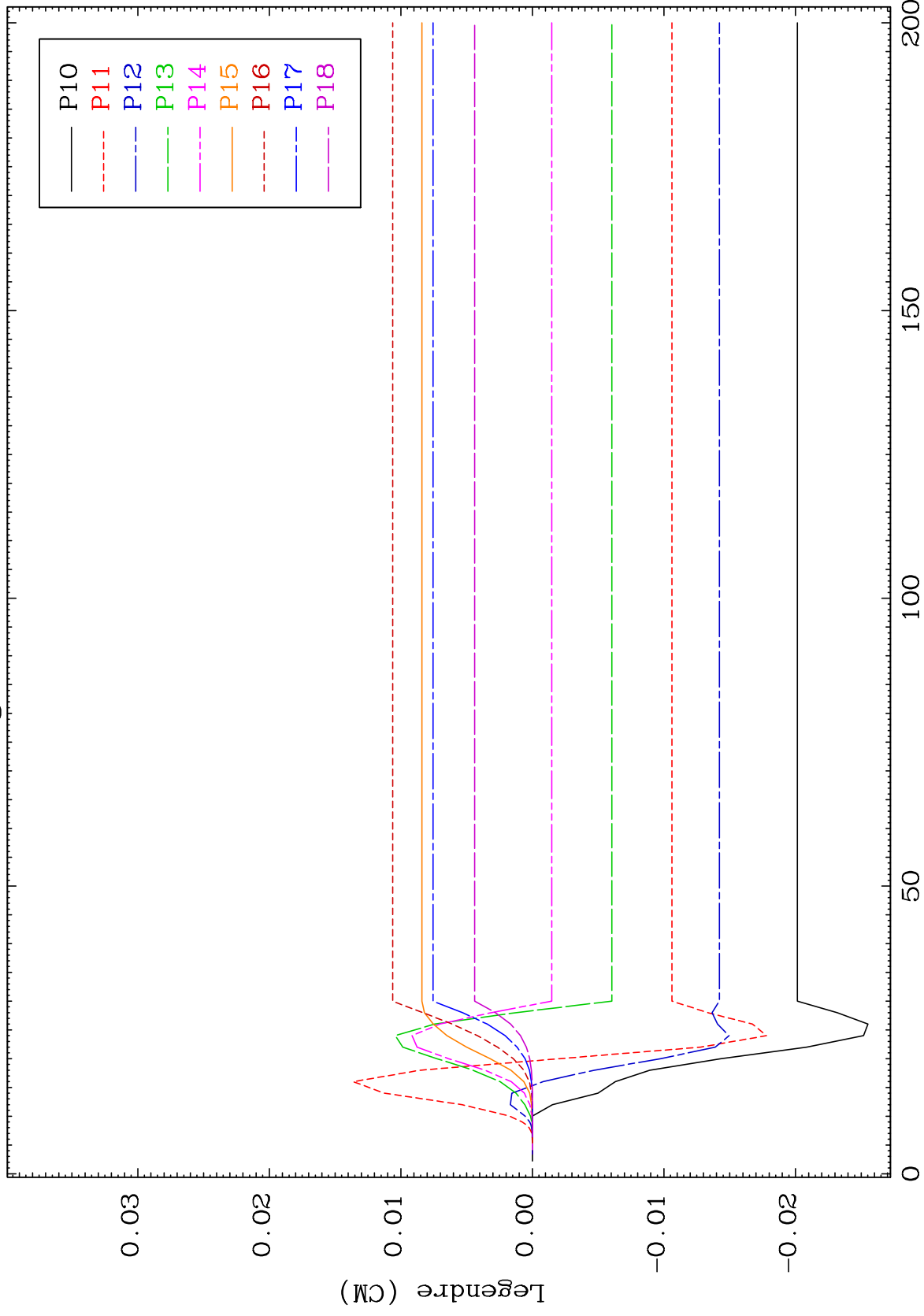
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 60 (n,n') Level
Legendre Coefficients

35-Br-81



54

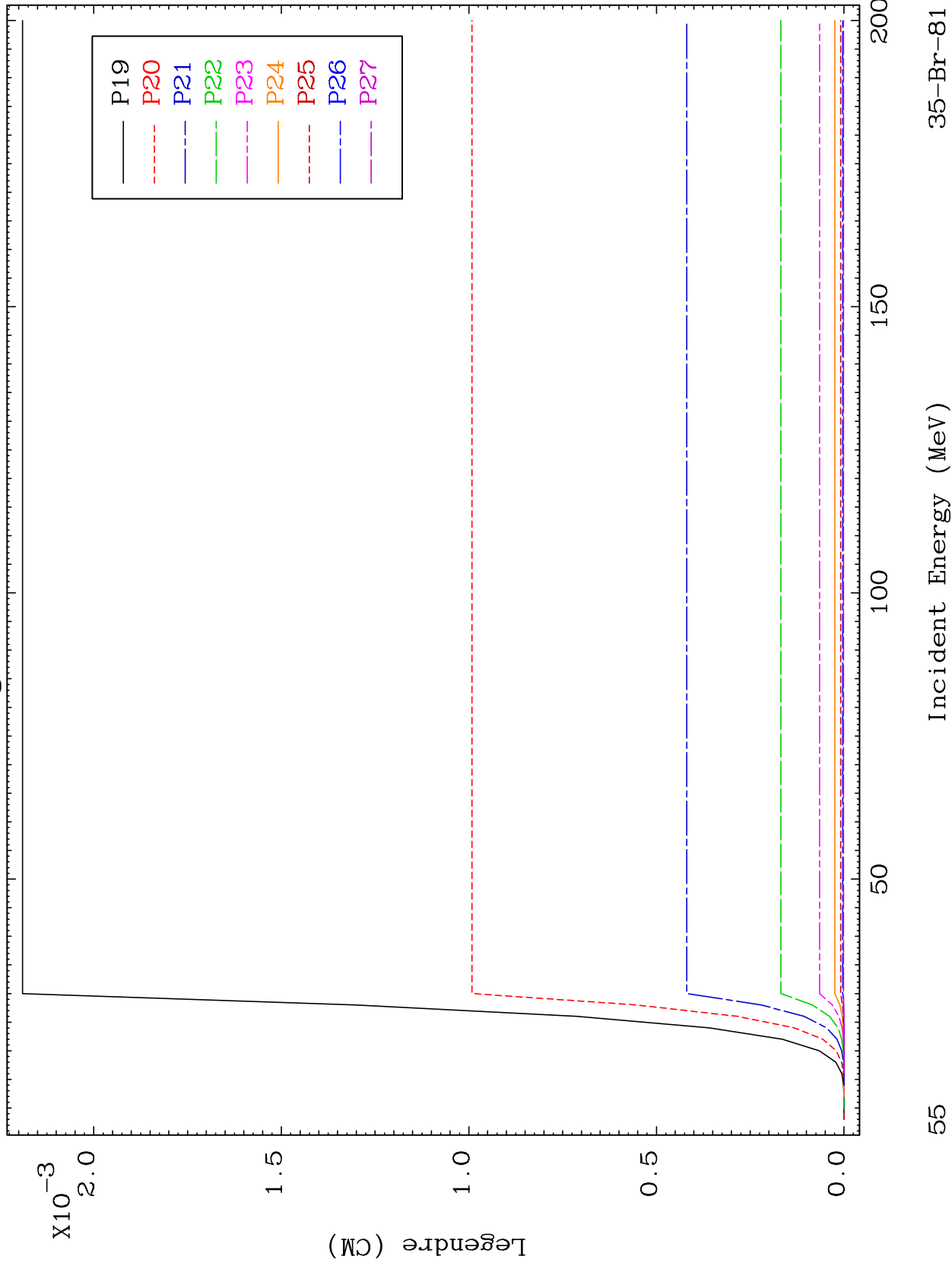
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 60 (n,n') Level
Legendre Coefficients

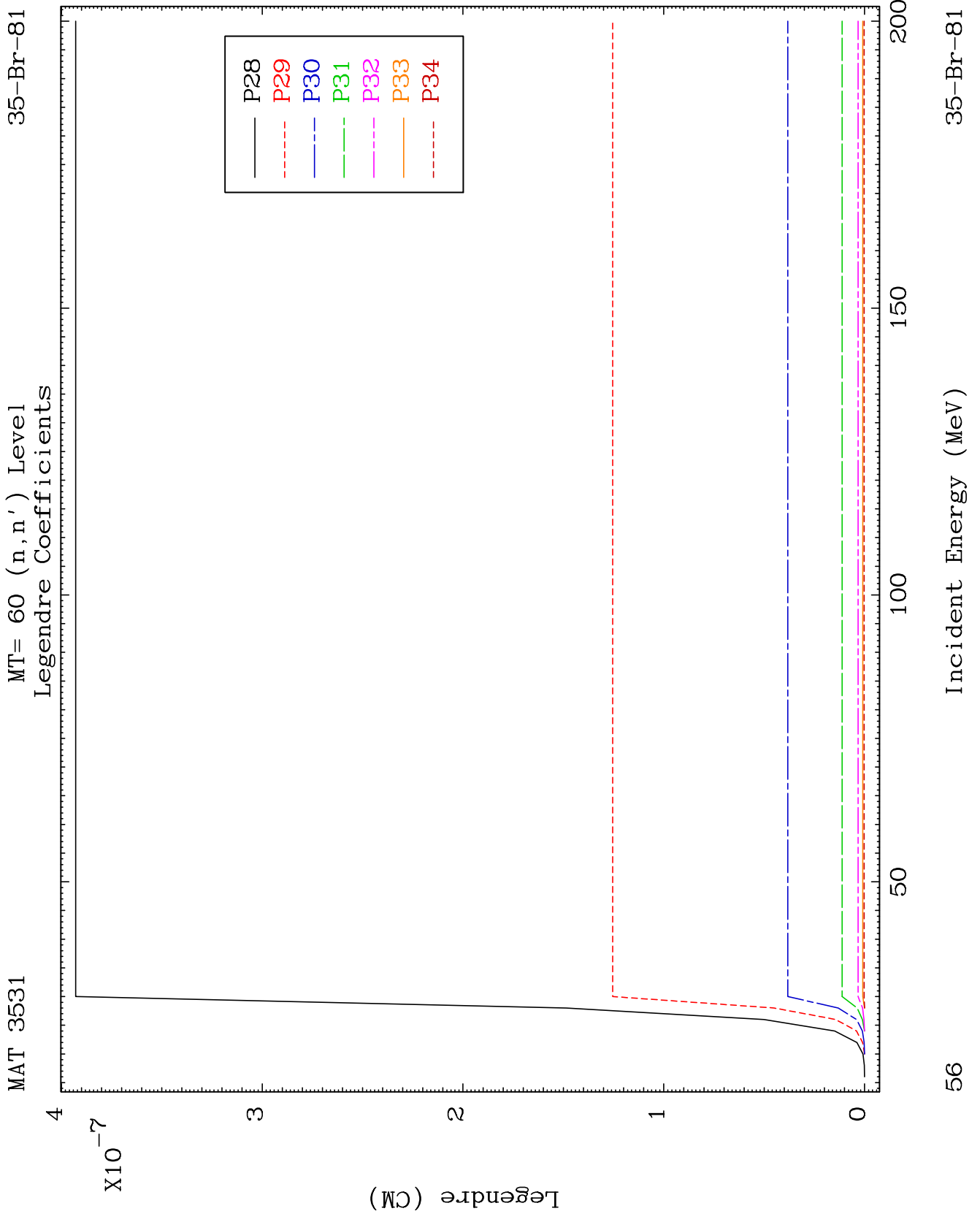
35-Br-81



55

Incident Energy (MeV)

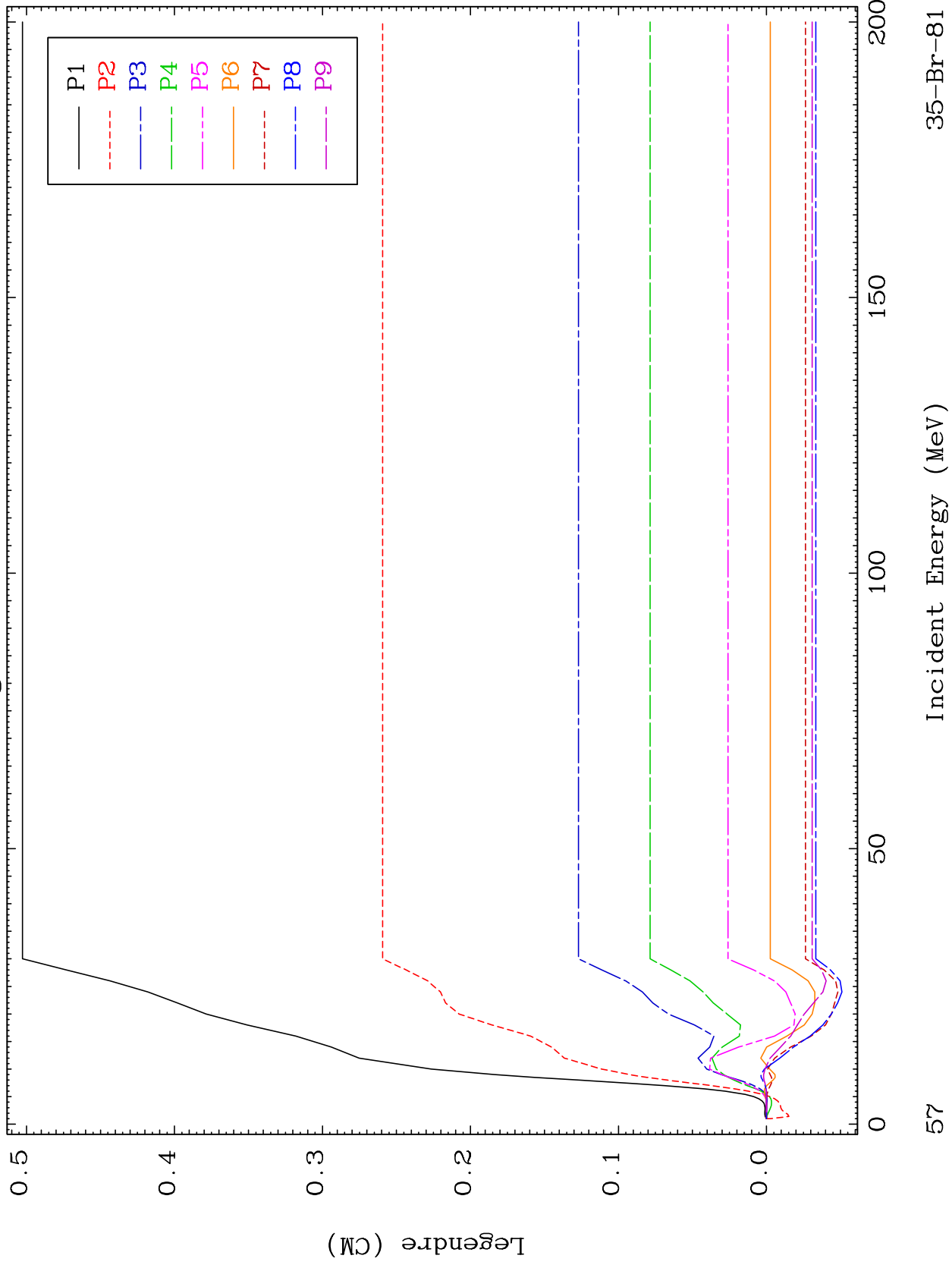
35-Br-81



MAT 3531

MT= 61 (n,n') Level
Legendre Coefficients

35-Br-81



57

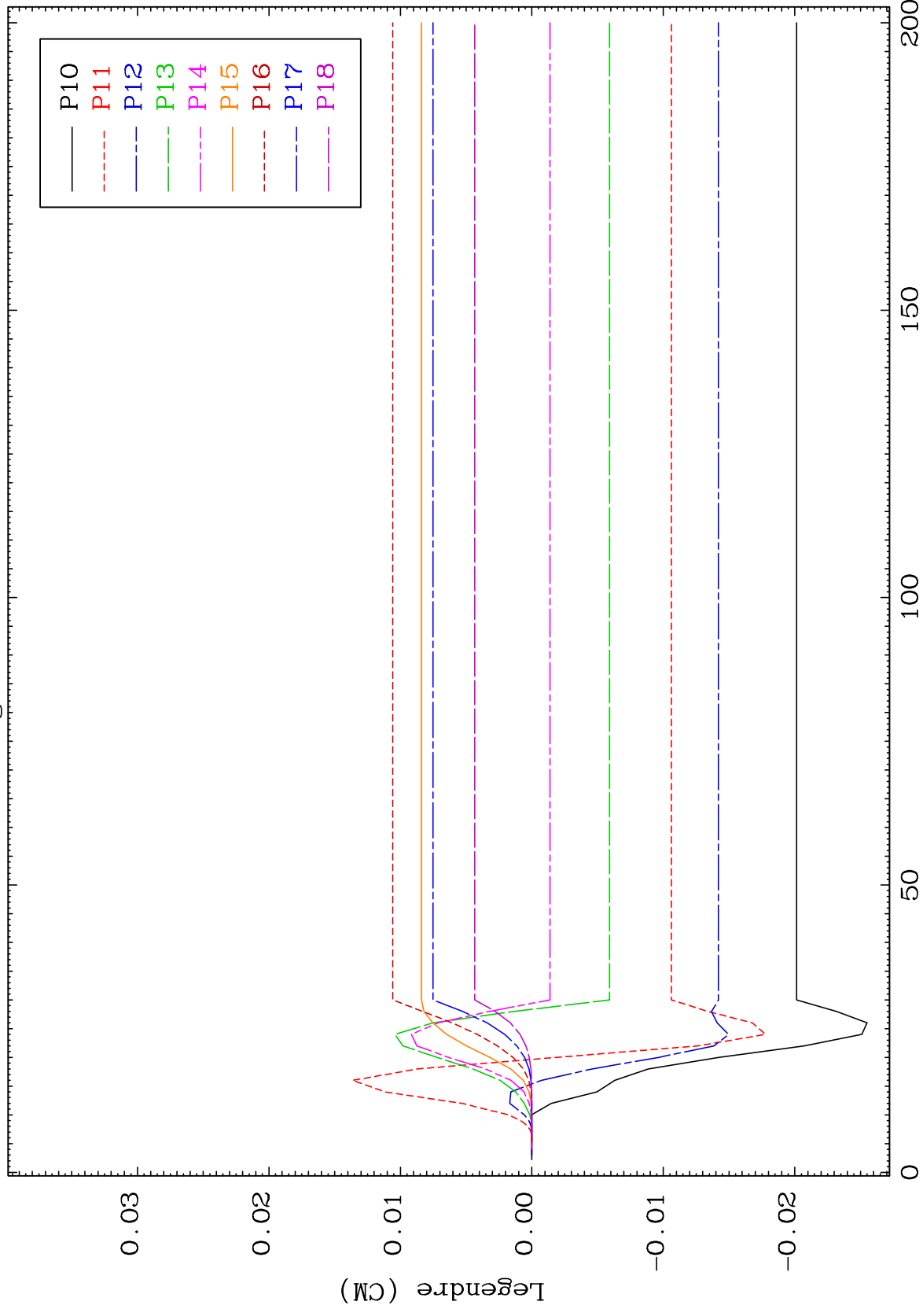
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 61 (n,n') Level
Legendre Coefficients

35-Br-81



58

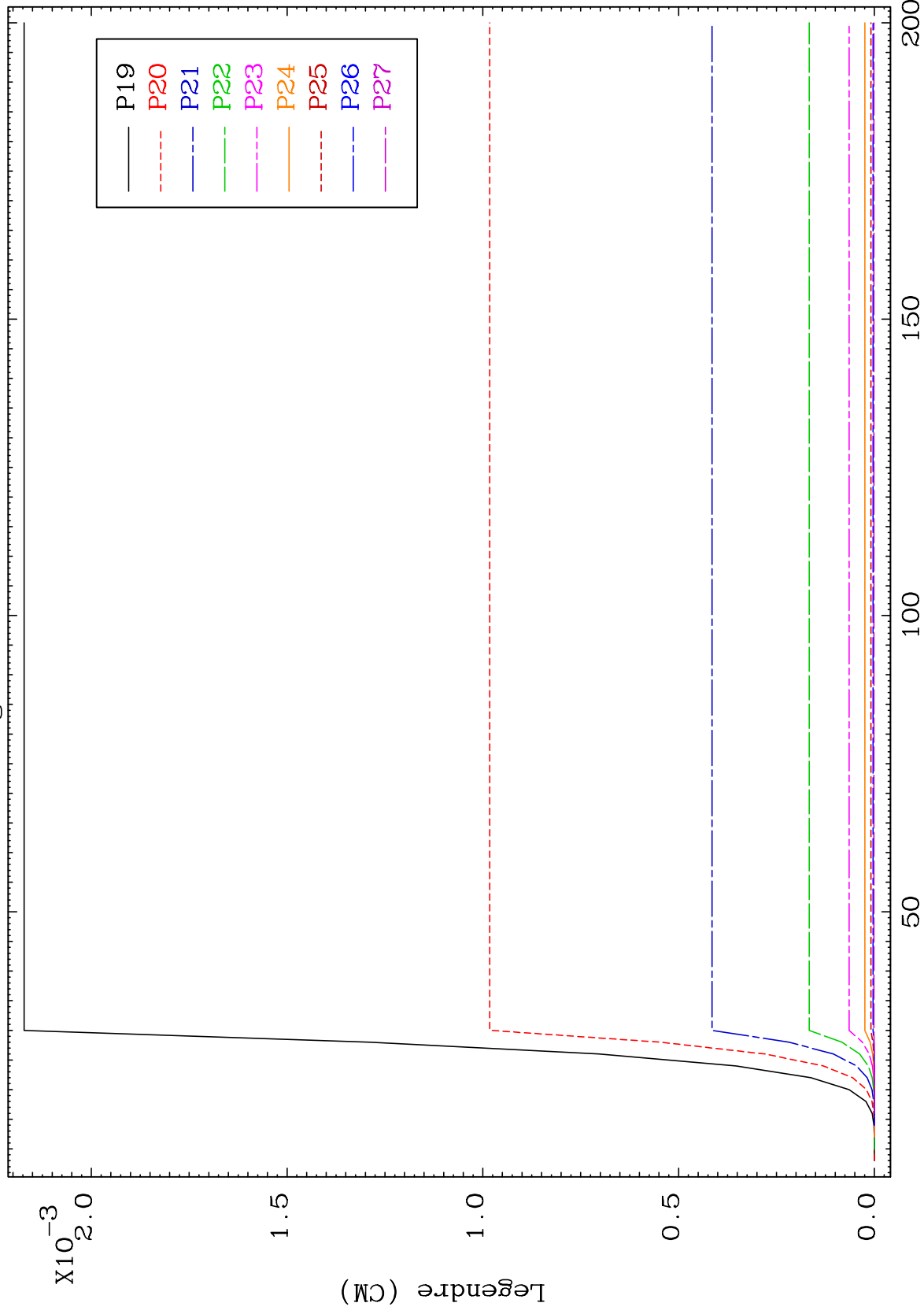
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 61 (n,n') Level
Legendre Coefficients

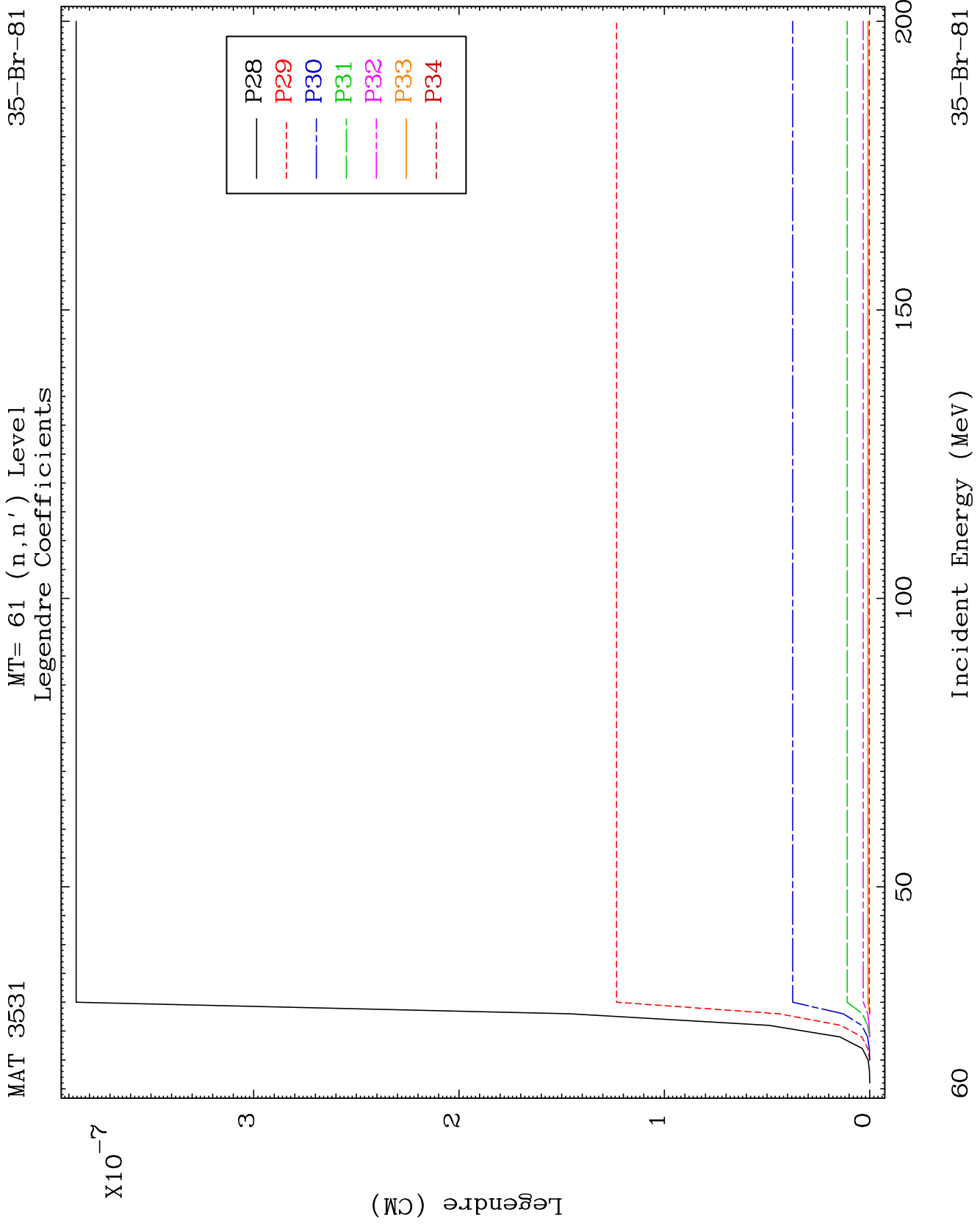
35-Br-81



59

Incident Energy (MeV)

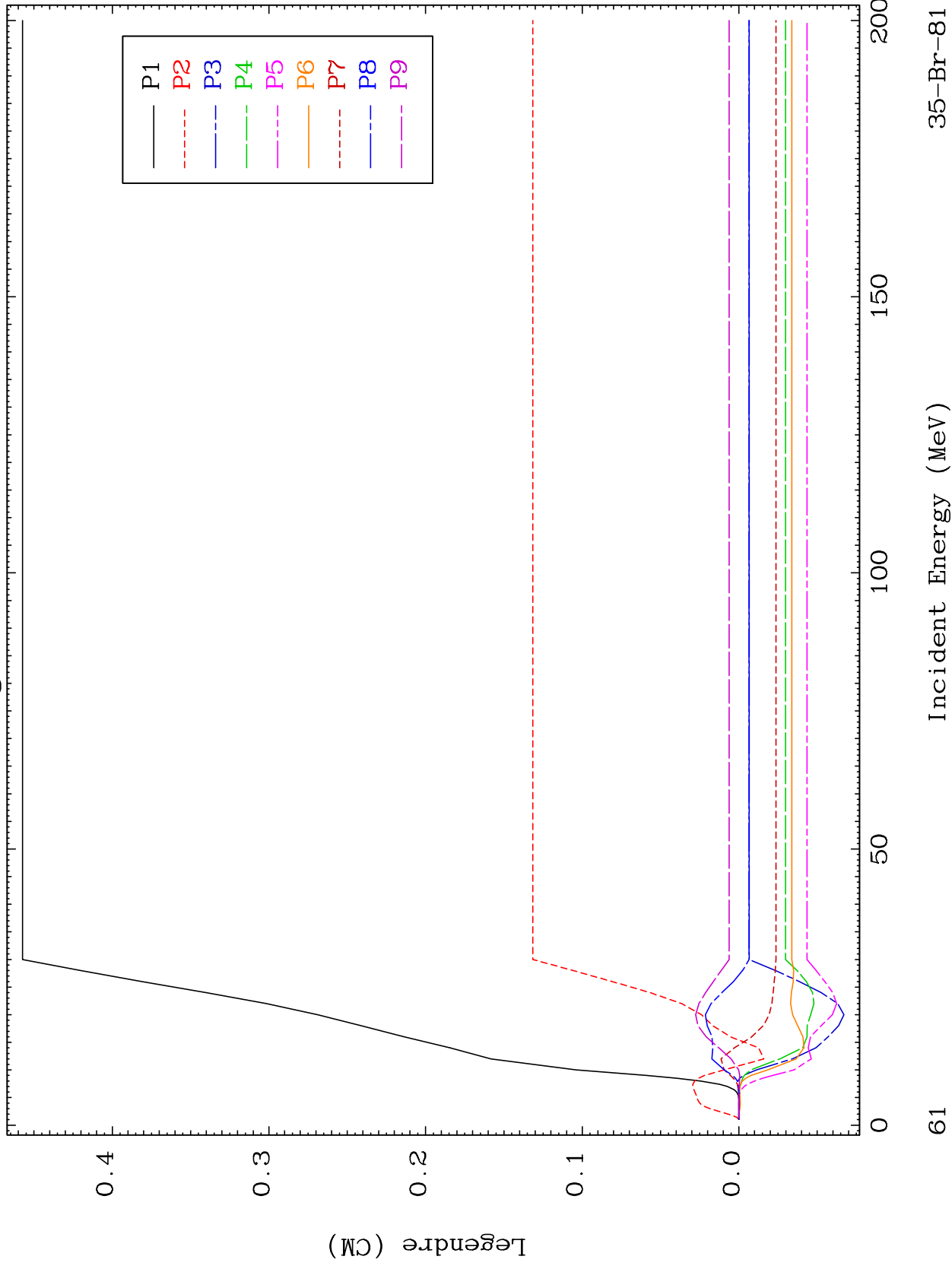
35-Br-81

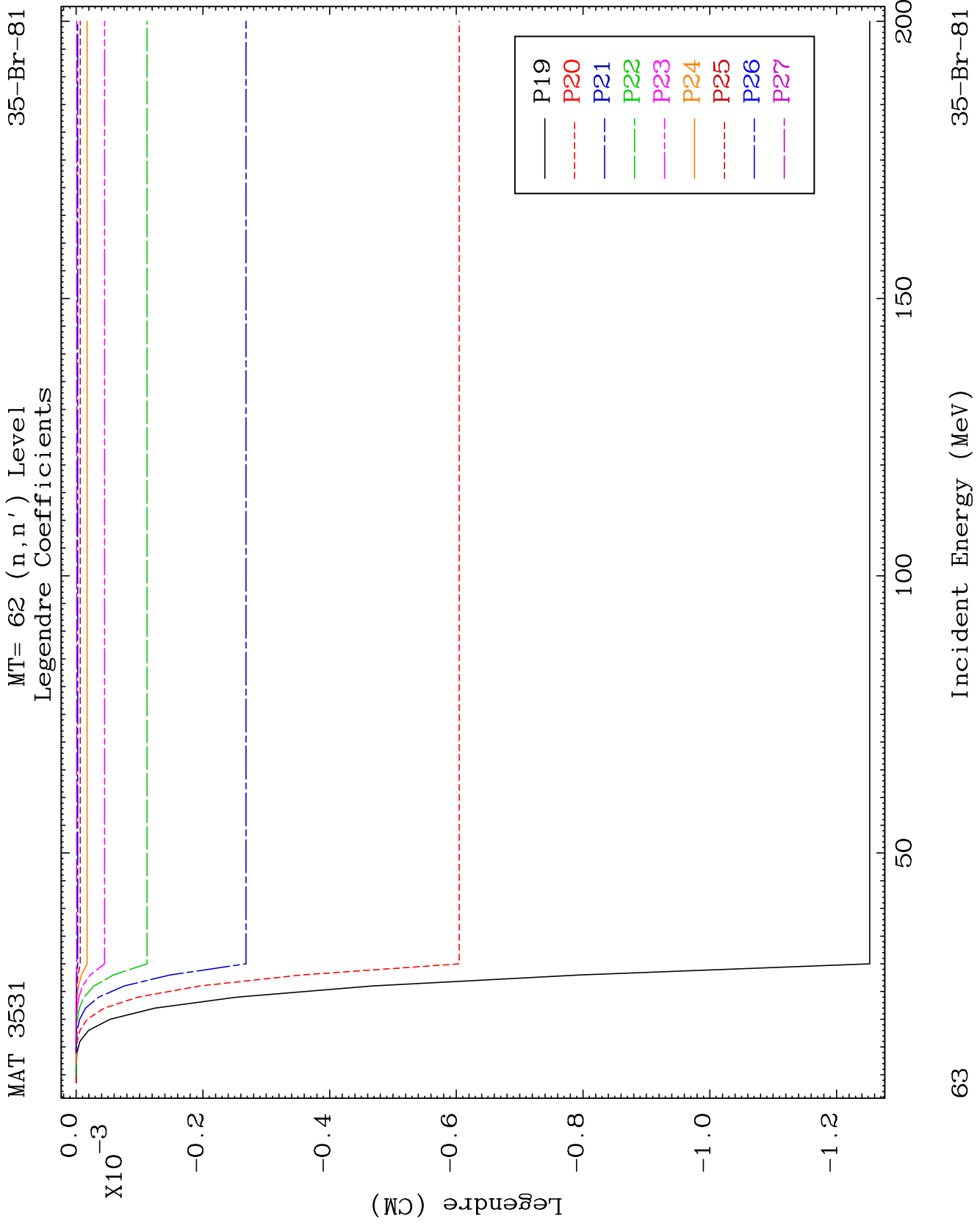


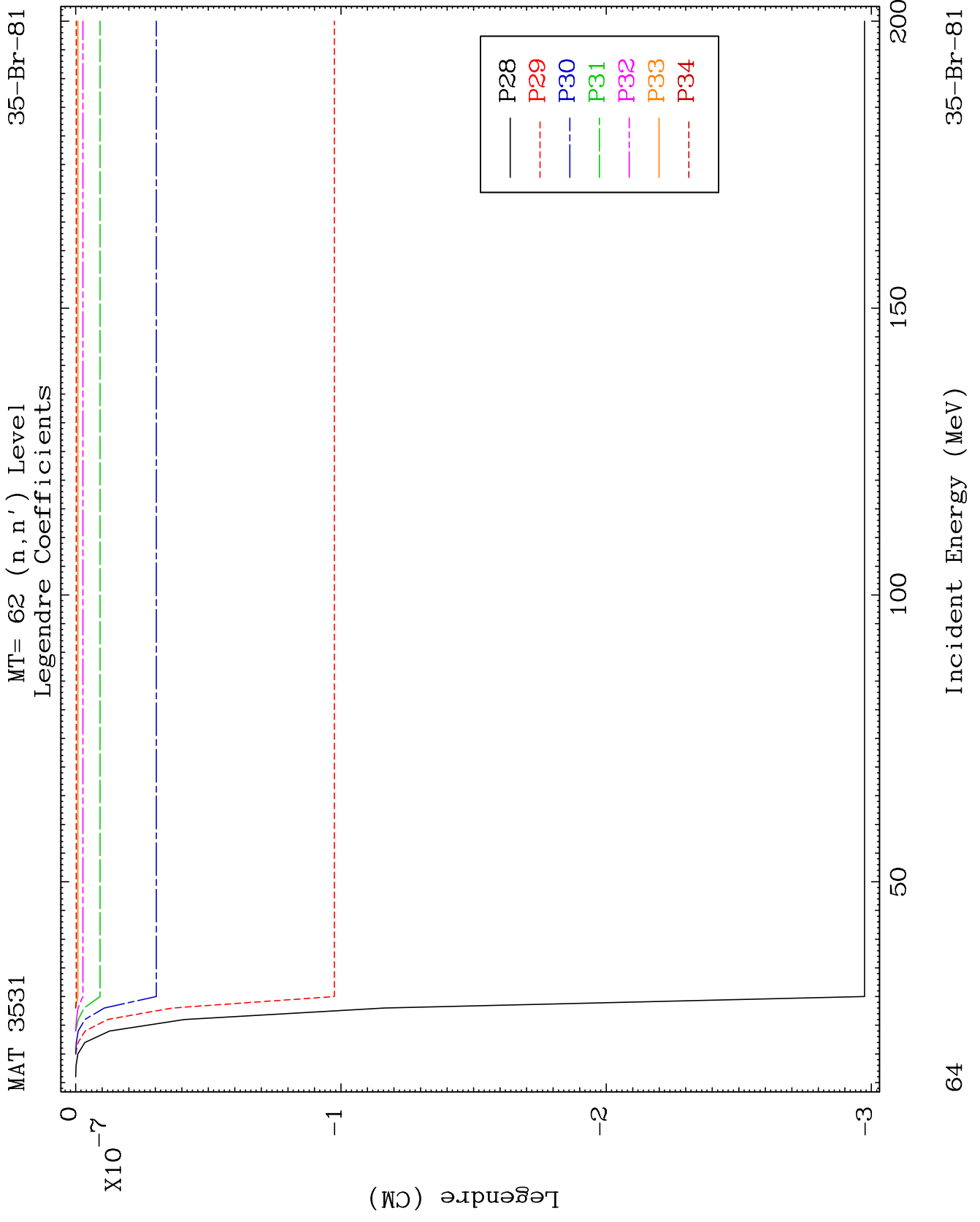
MAT 3531

MT= 62 (n,n') Level
Legendre Coefficients

35-Br-81



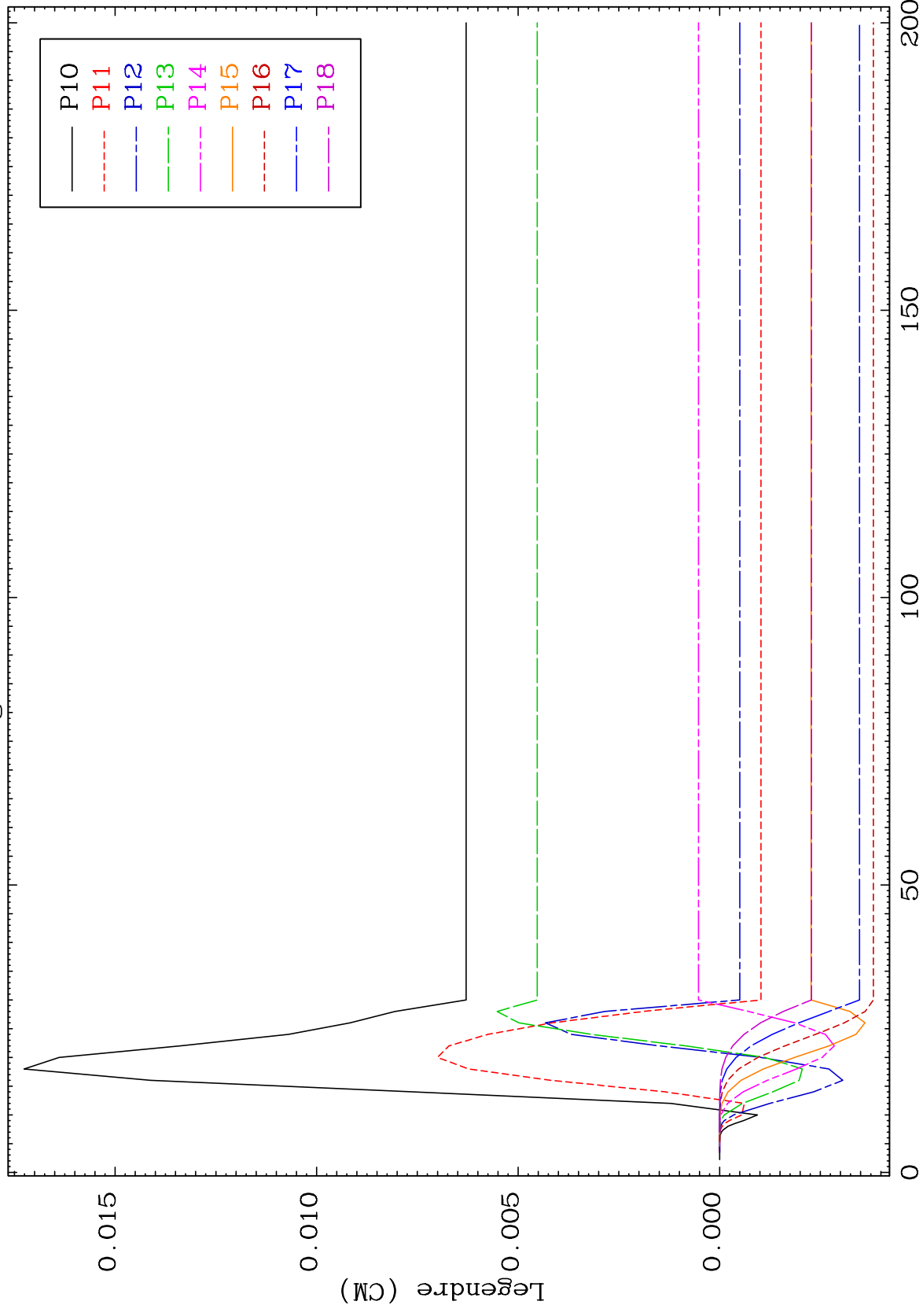




MAT 3531

MT= 63 (n,n') Level
Legendre Coefficients

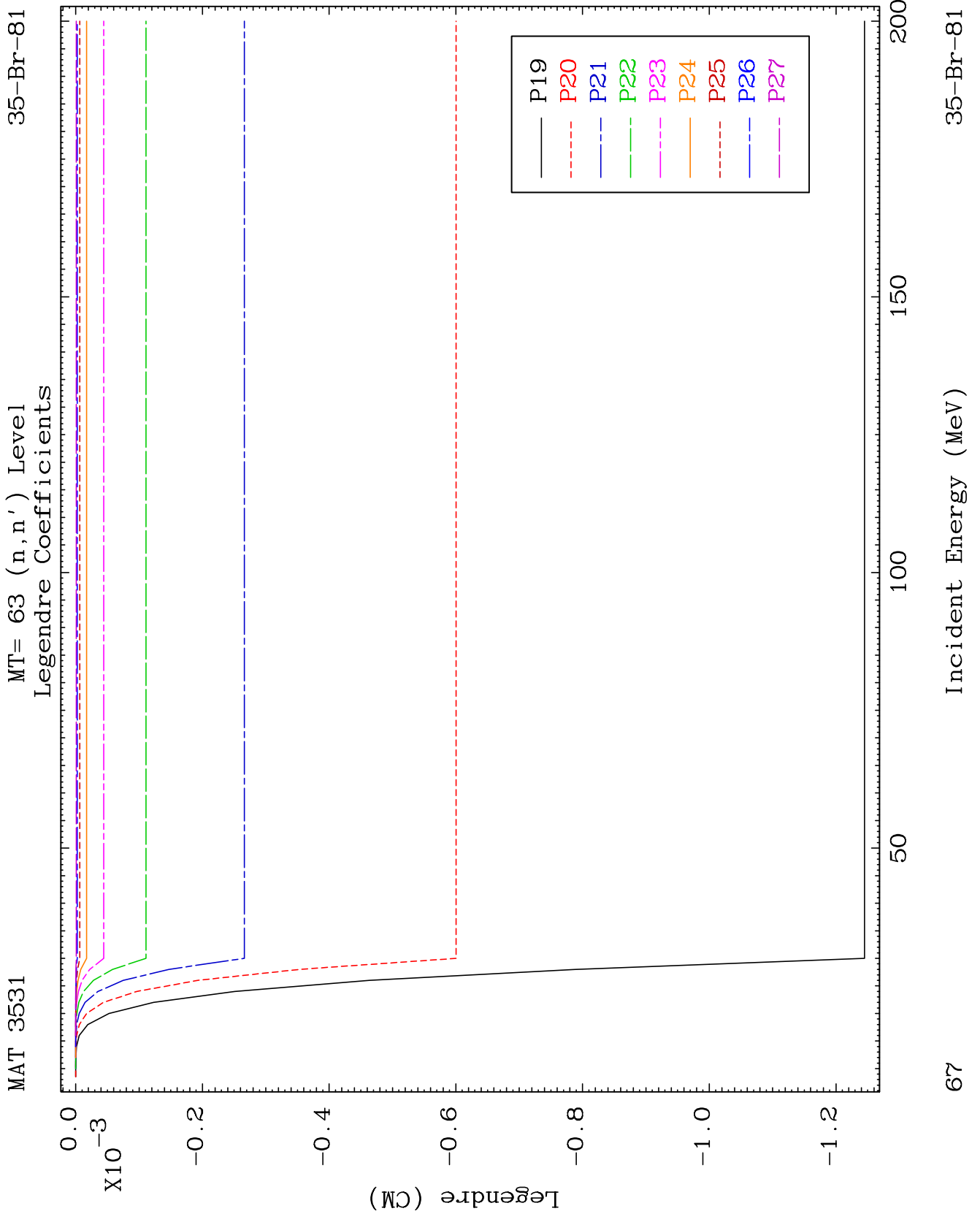
35-Br-81

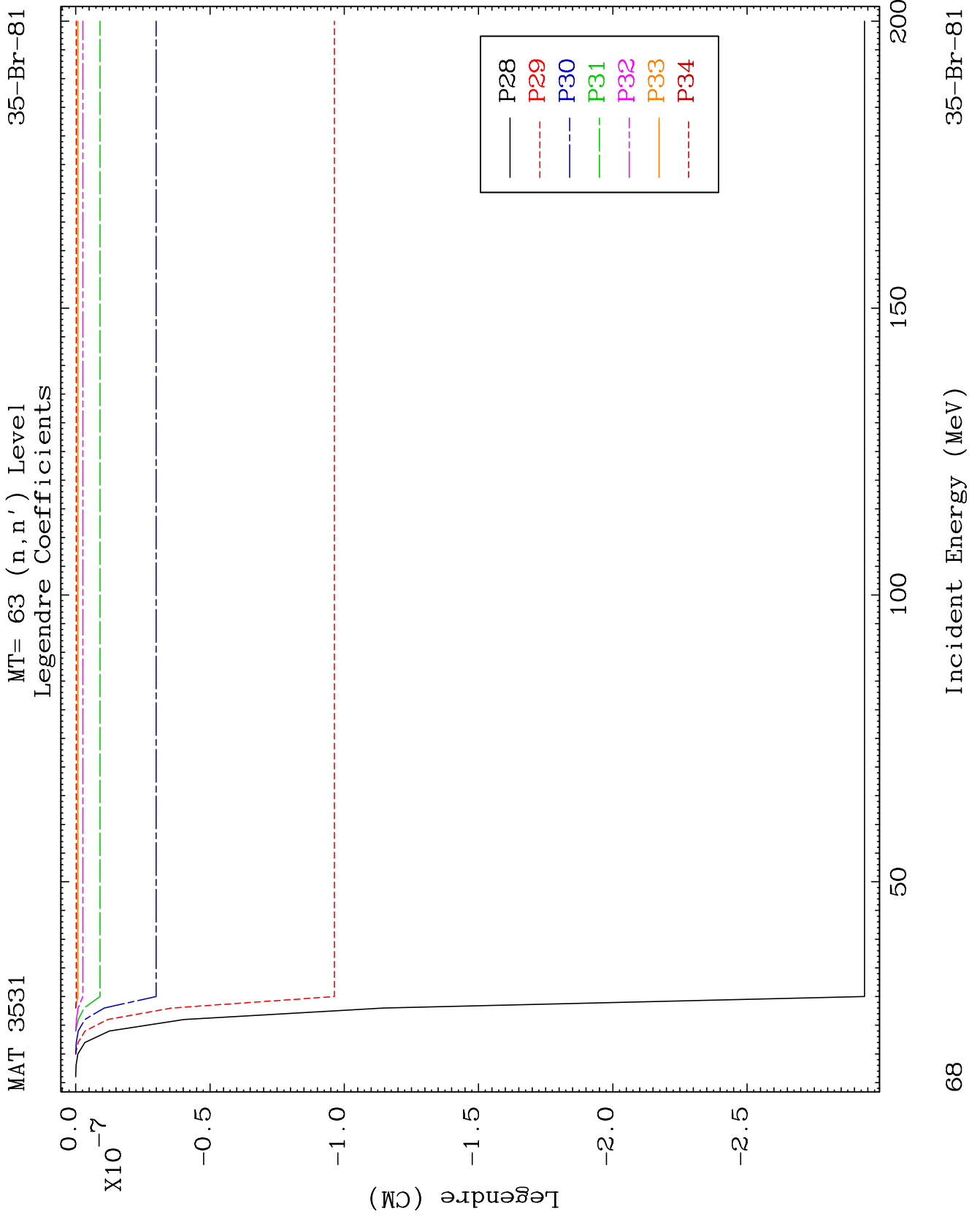


66

Incident Energy (MeV)

35-Br-81

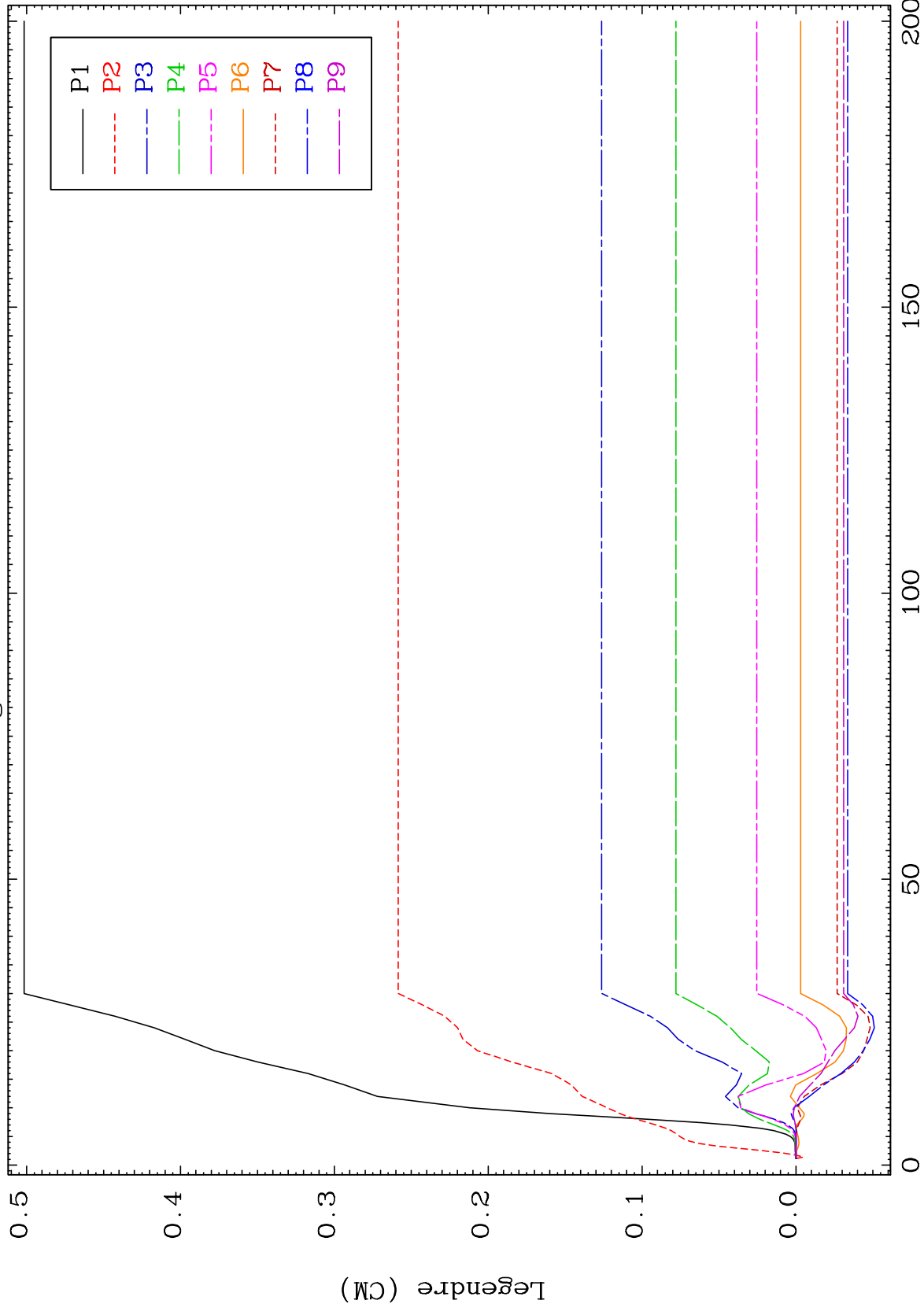




MAT 3531

MT= 64 (n,n') Level
Legendre Coefficients

35-Br-81



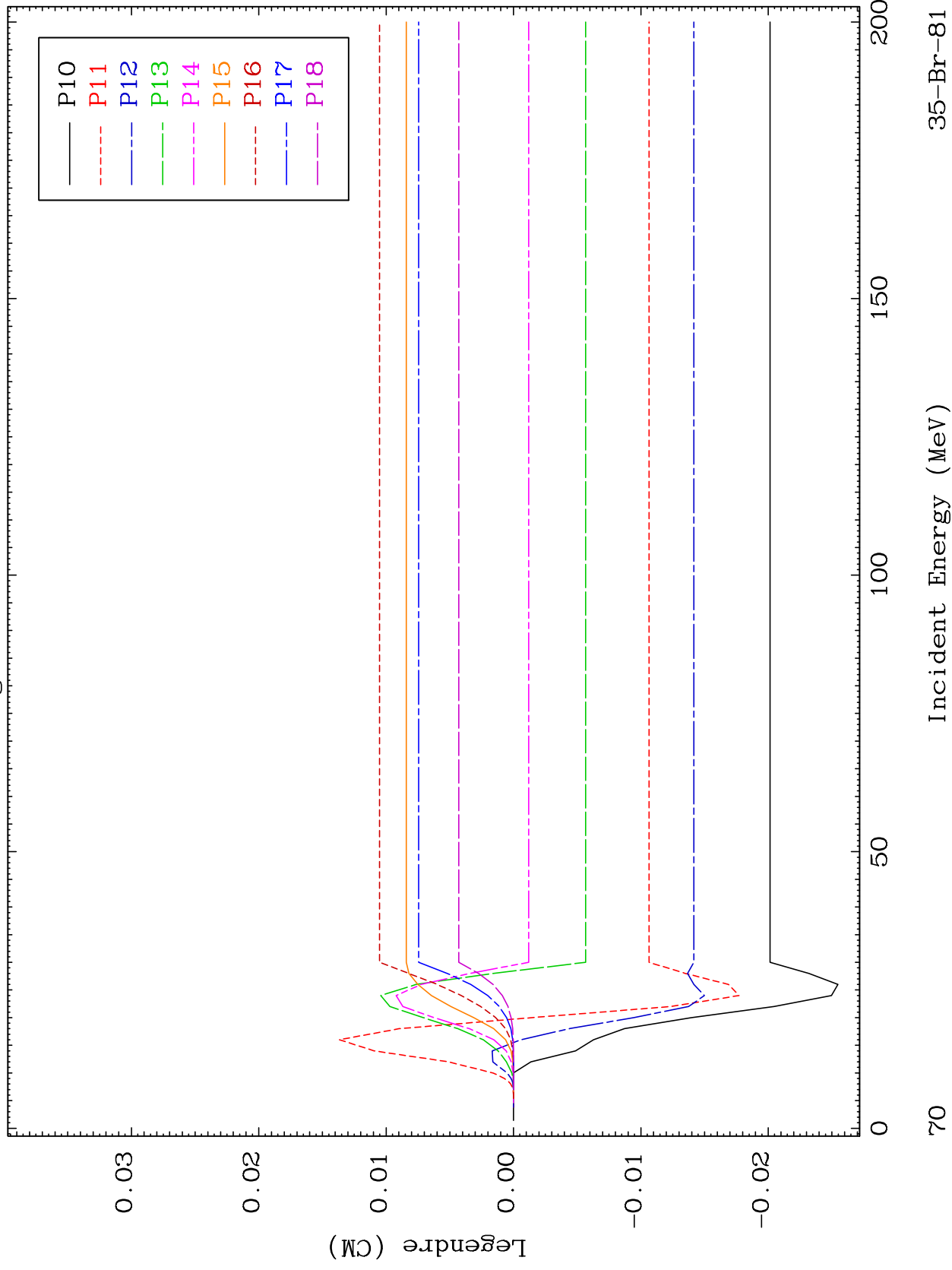
69

35-Br-81

MAT 3531

MT= 64 (n,n') Level
Legendre Coefficients

35-Br-81



35-Br-81

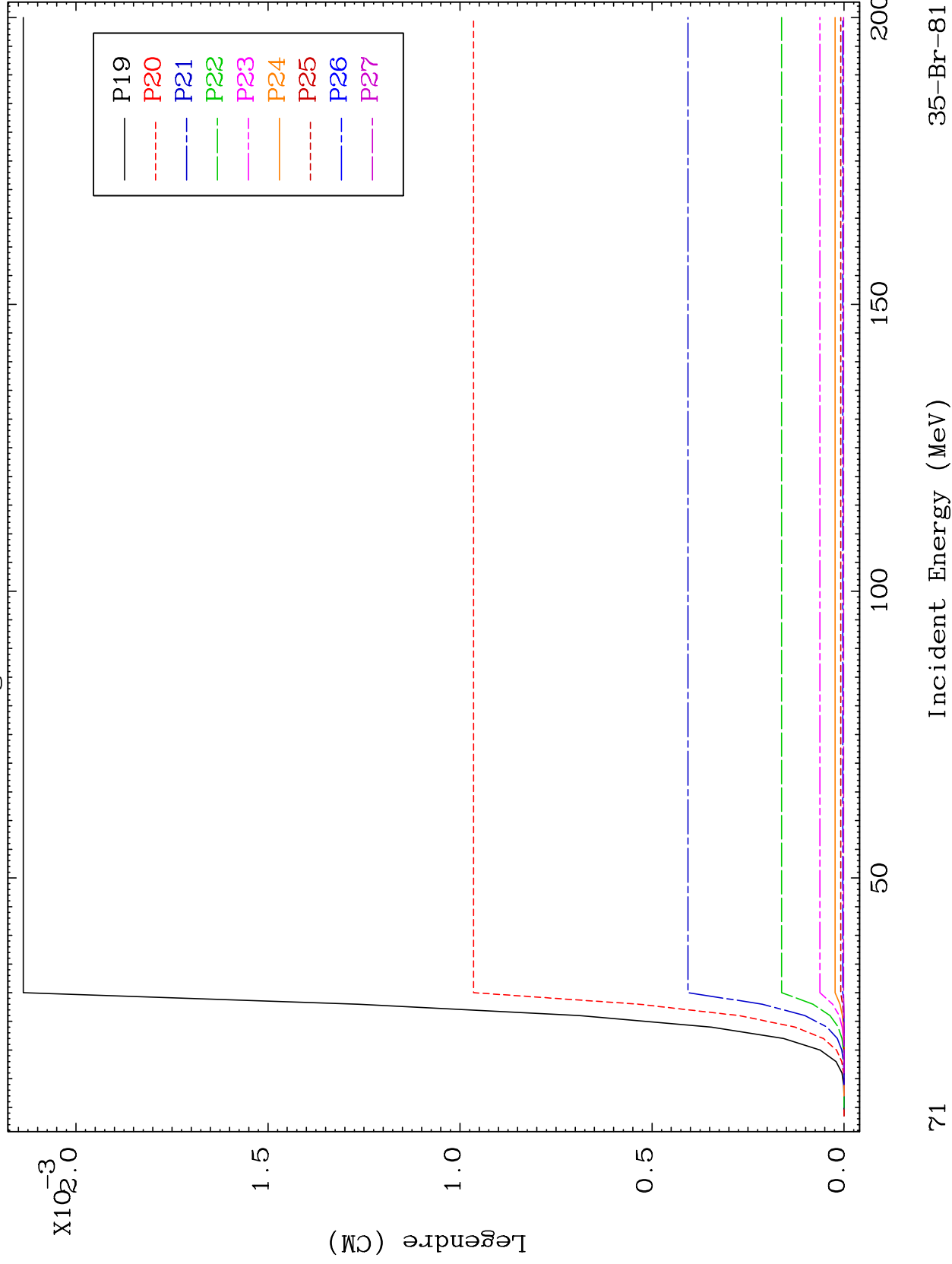
Incident Energy (MeV)

70

MAT 3531

MT= 64 (n,n') Level
Legendre Coefficients

35-Br-81



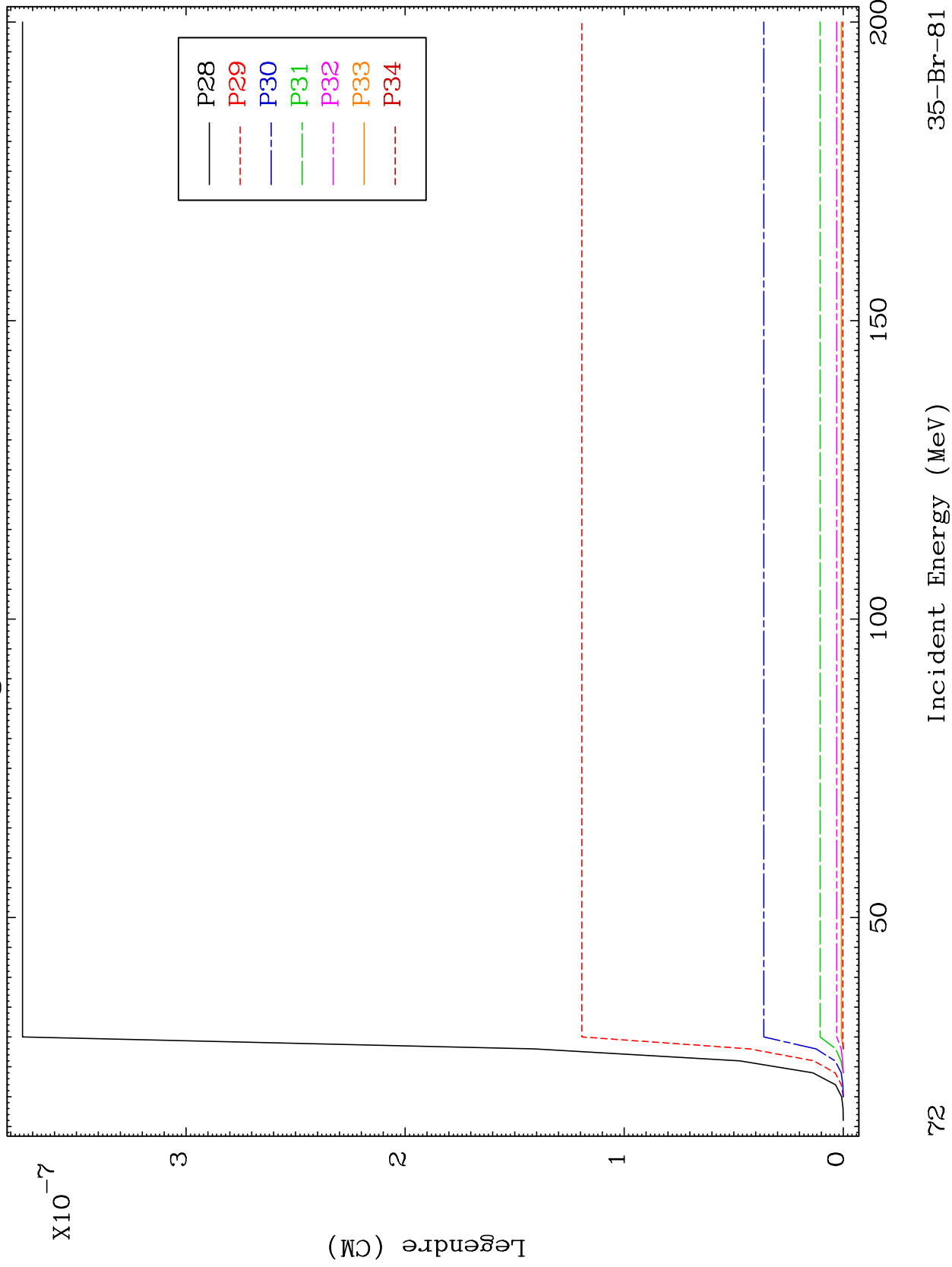
71

35-Br-81

MAT 3531

MT= 64 (n,n') Level
Legendre Coefficients

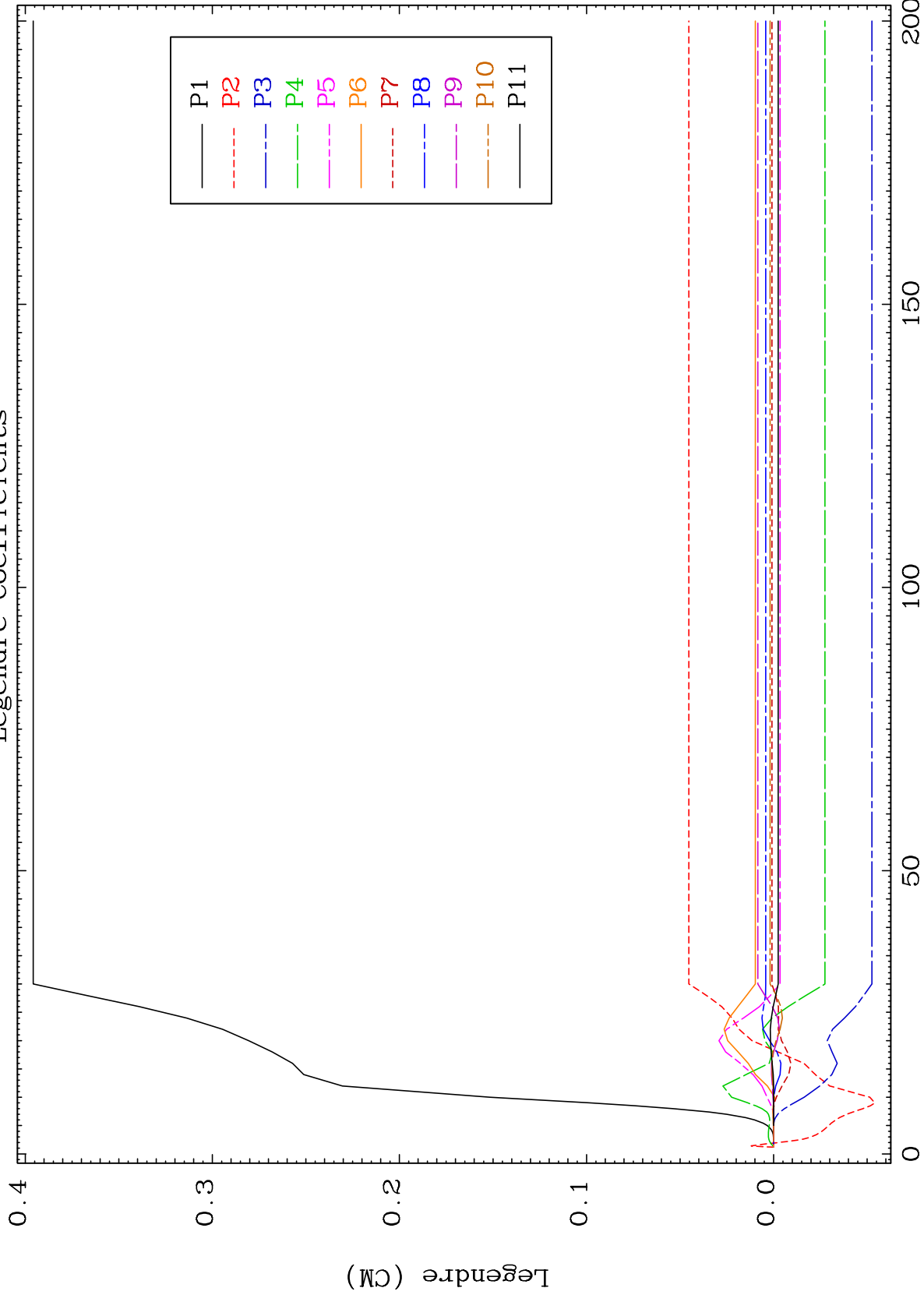
35-Br-81



MAT 3531

MT= 65 (n,n') Level
Legendre Coefficients

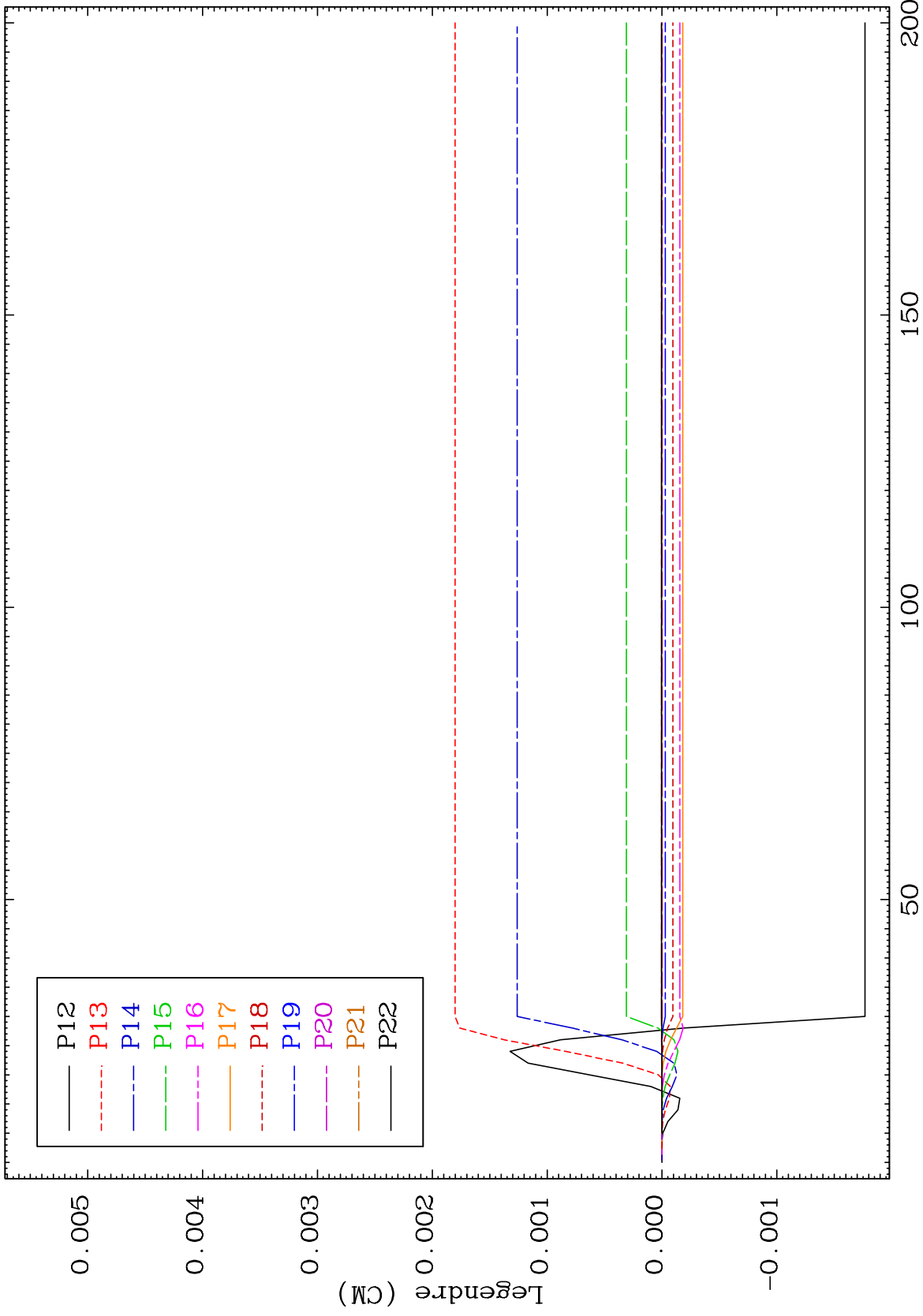
35-Br-81



73

Incident Energy (MeV)

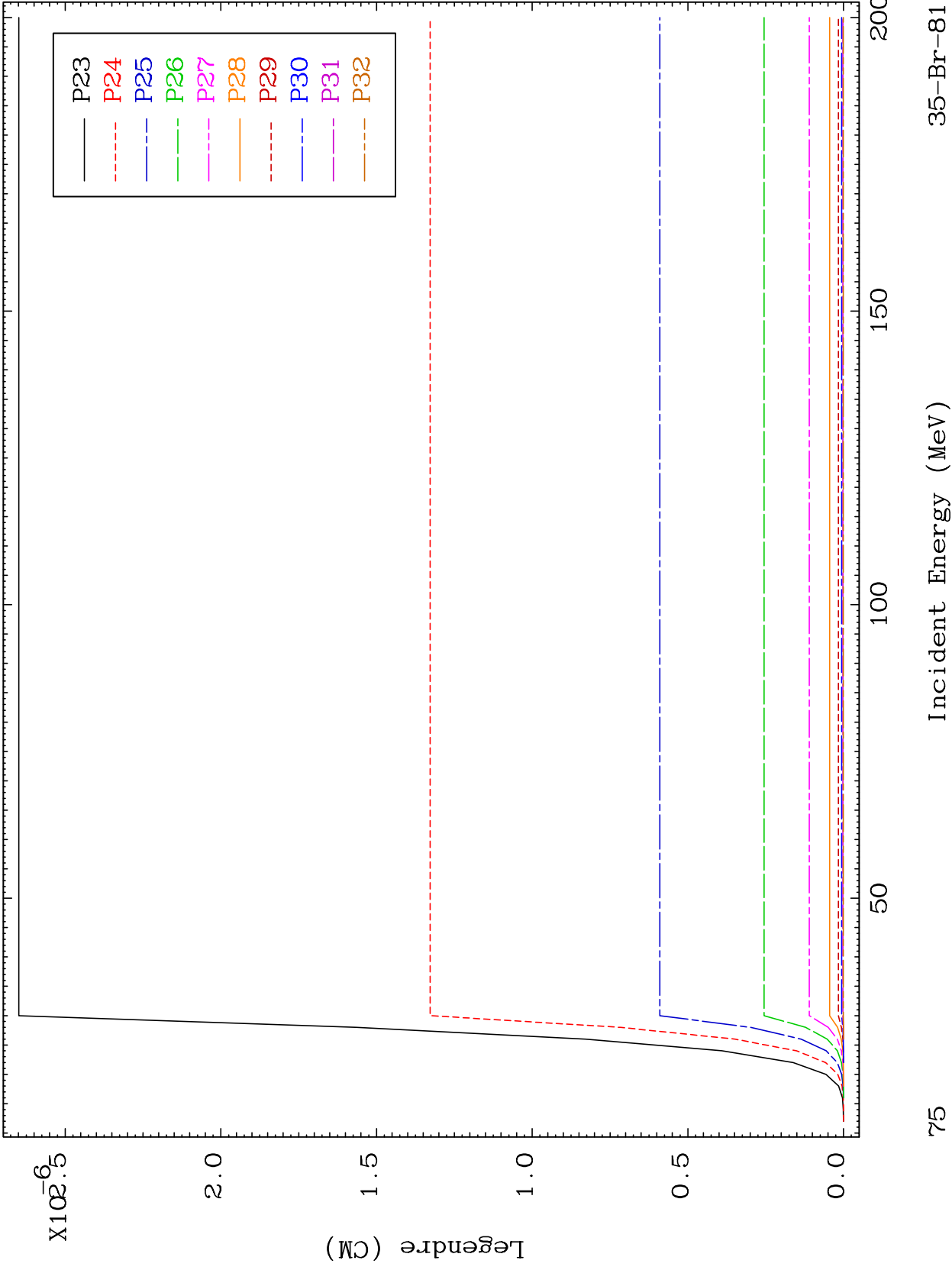
35-Br-81



MAT 3531

MT= 65 (n,n') Level
Legendre Coefficients

35-Br-81



75

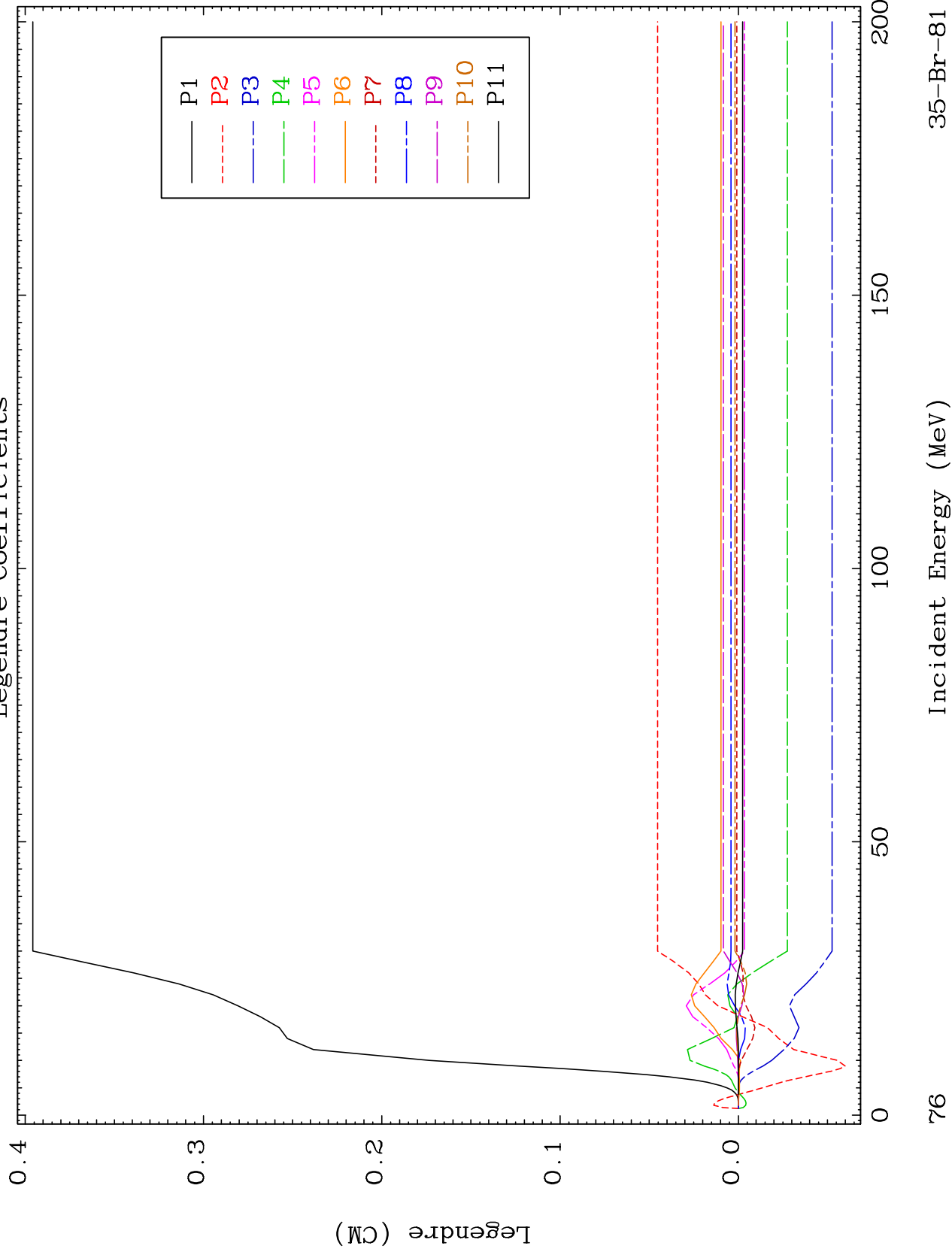
Incident Energy (MeV)

35-Br-81

MAT 3531

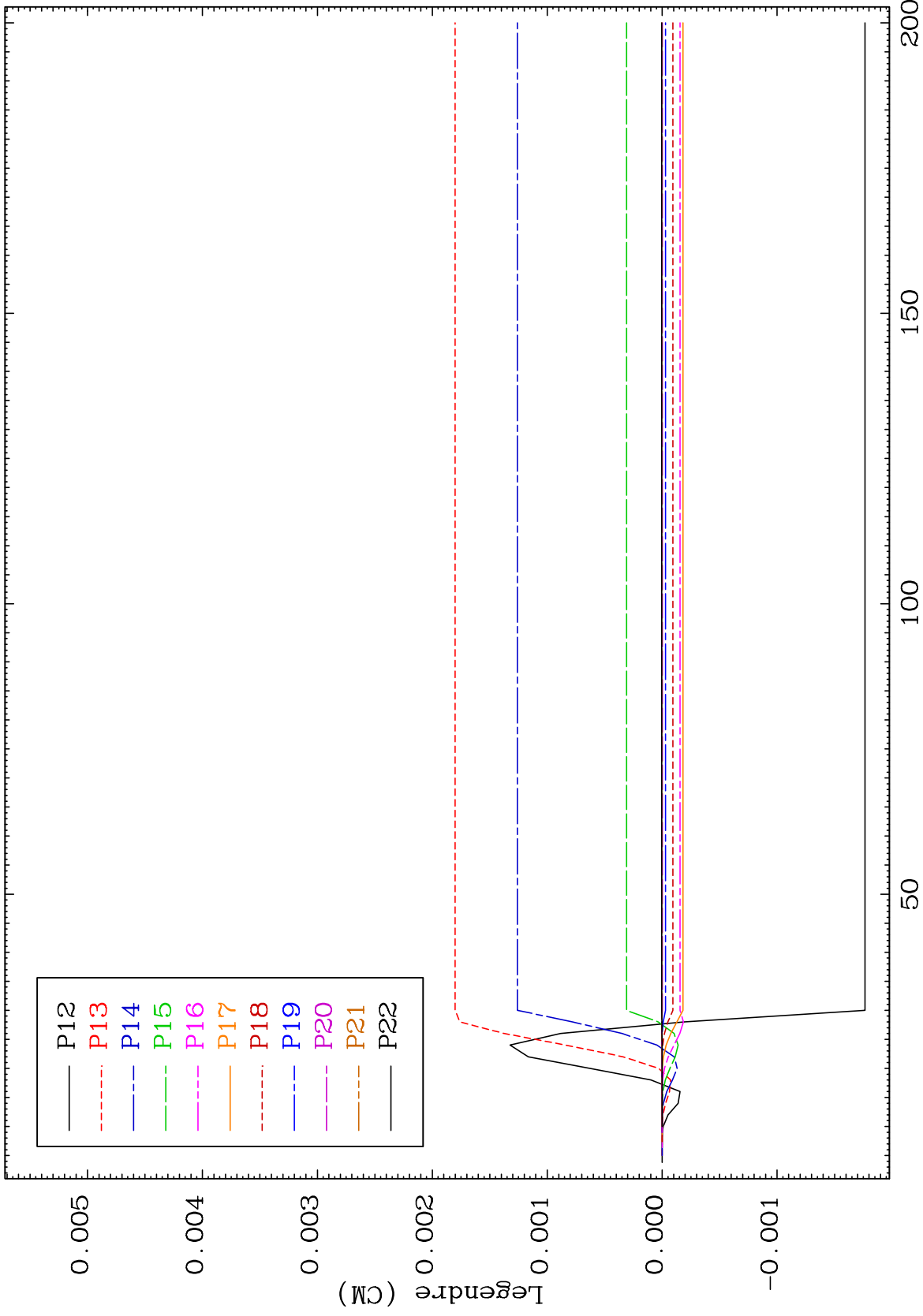
MT= 66 (n,n') Level
Legendre Coefficients

35-Br-81



35-Br-81

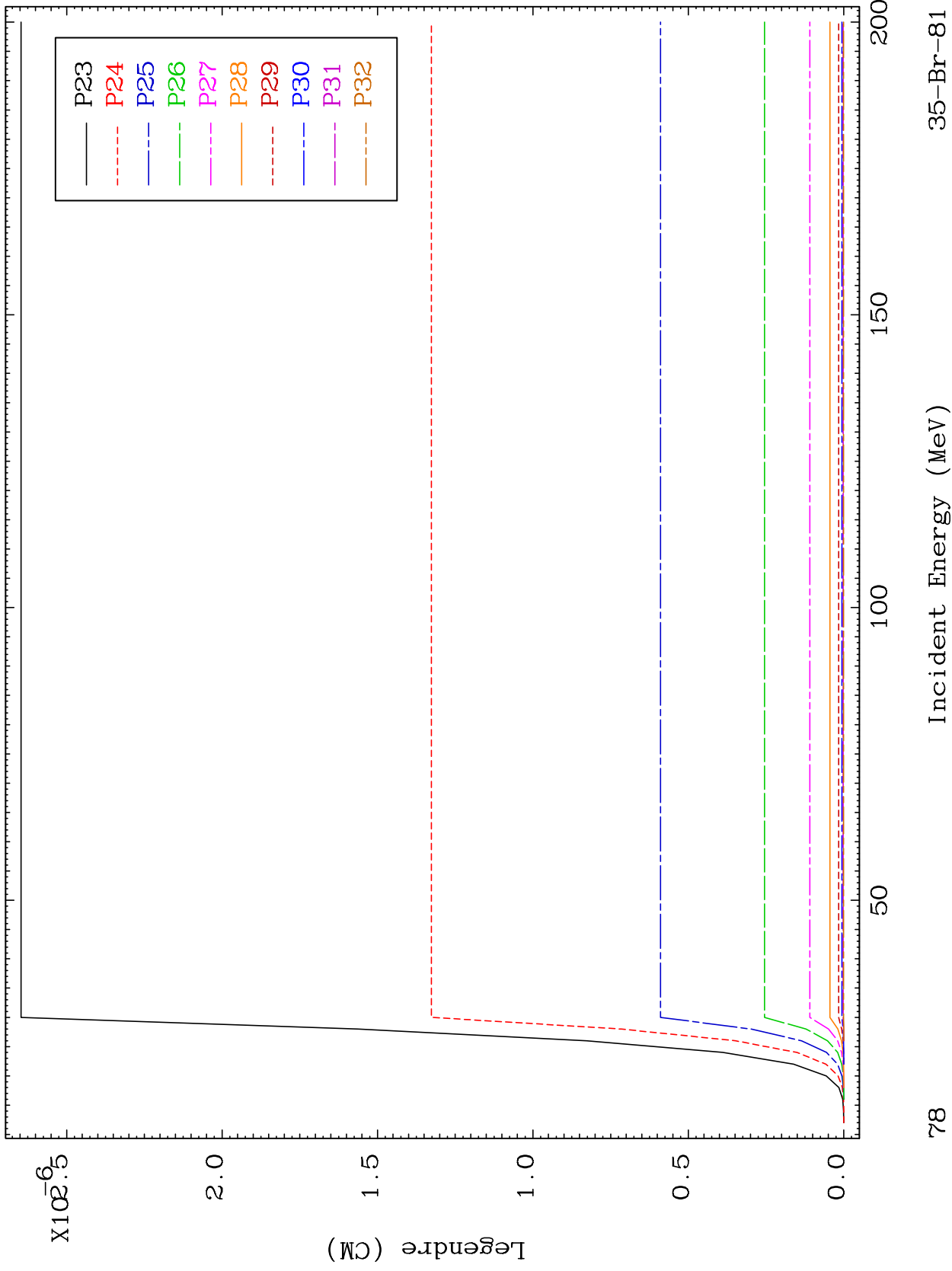
76



MAT 3531

MT= 66 (n,n') Level
Legendre Coefficients

35-Br-81



78

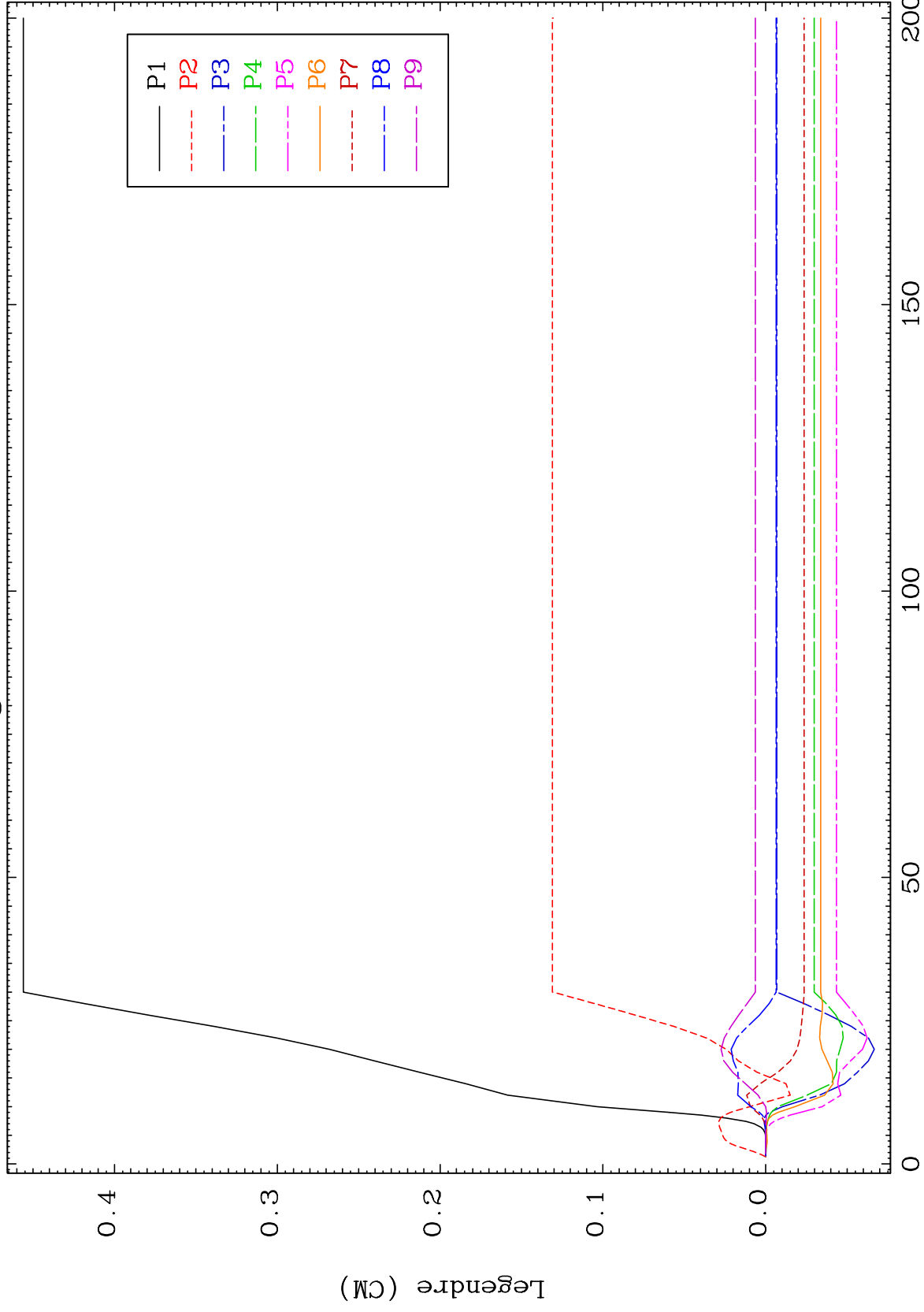
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 67 (n,n') Level
Legendre Coefficients

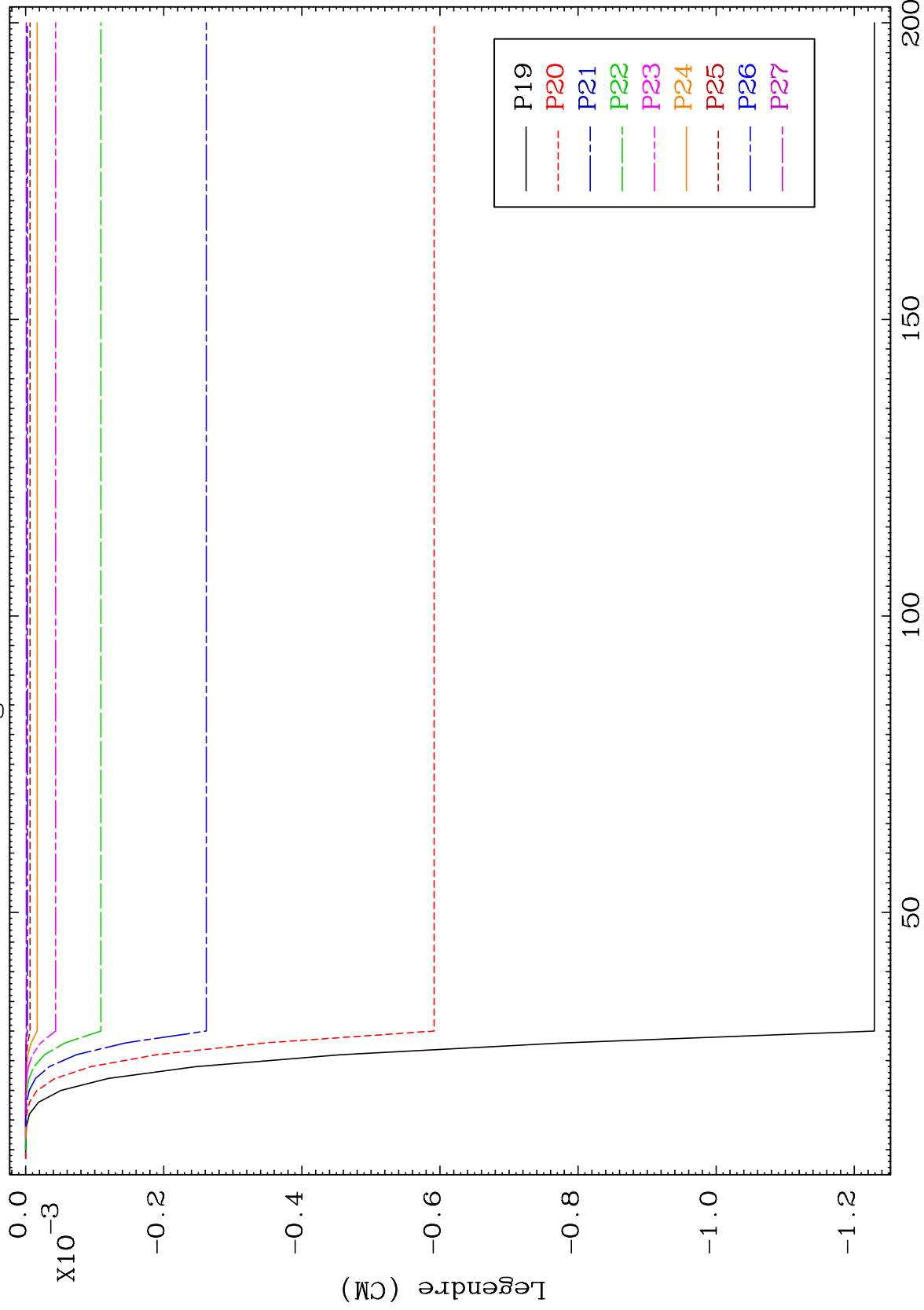
35-Br-81



79

Incident Energy (MeV)

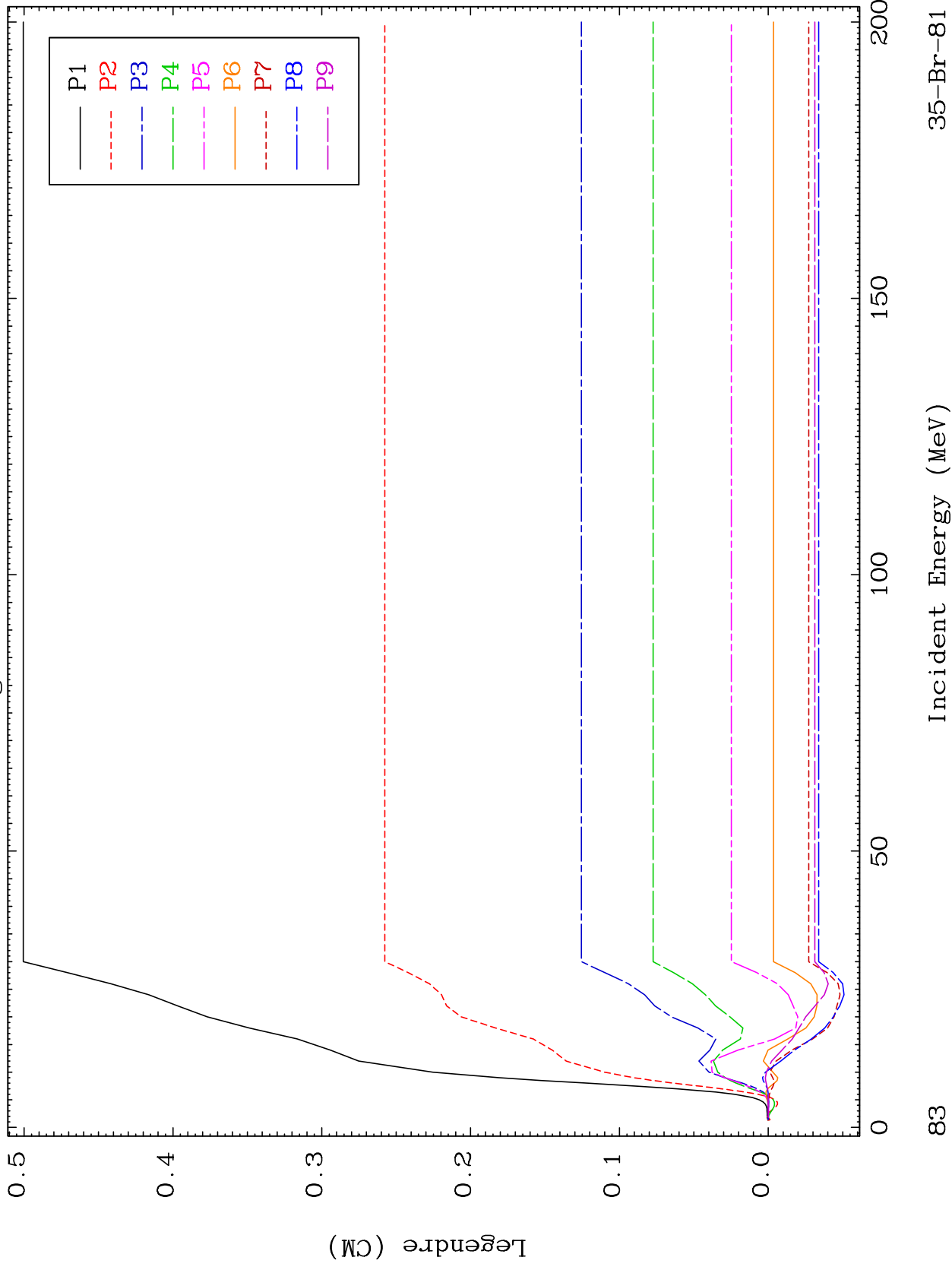
35-Br-81



MAT 3531

MT= 68 (n,n') Level
Legendre Coefficients

35-Br-81



83

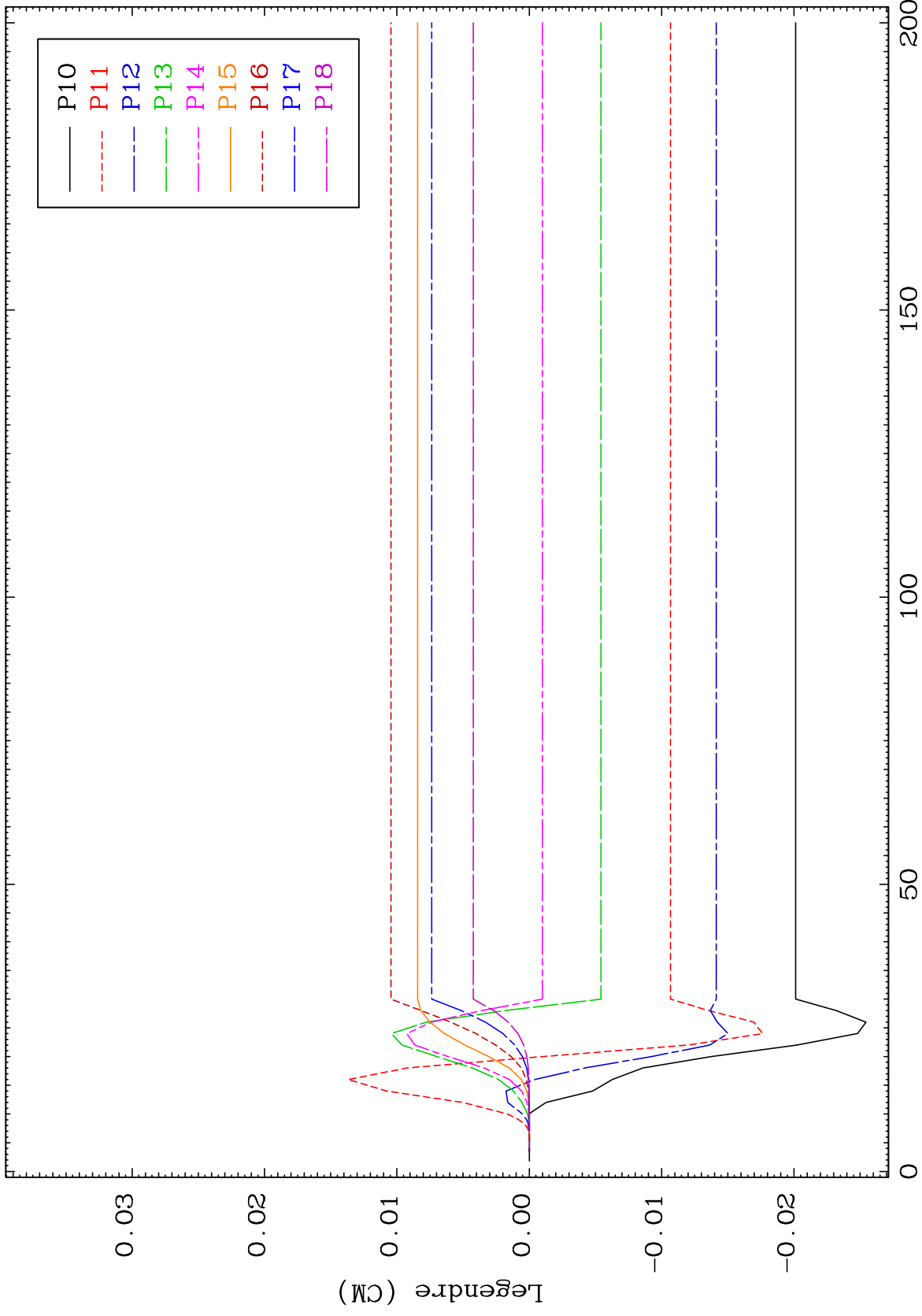
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 68 (n,n') Level
Legendre Coefficients

35-Br-81



84

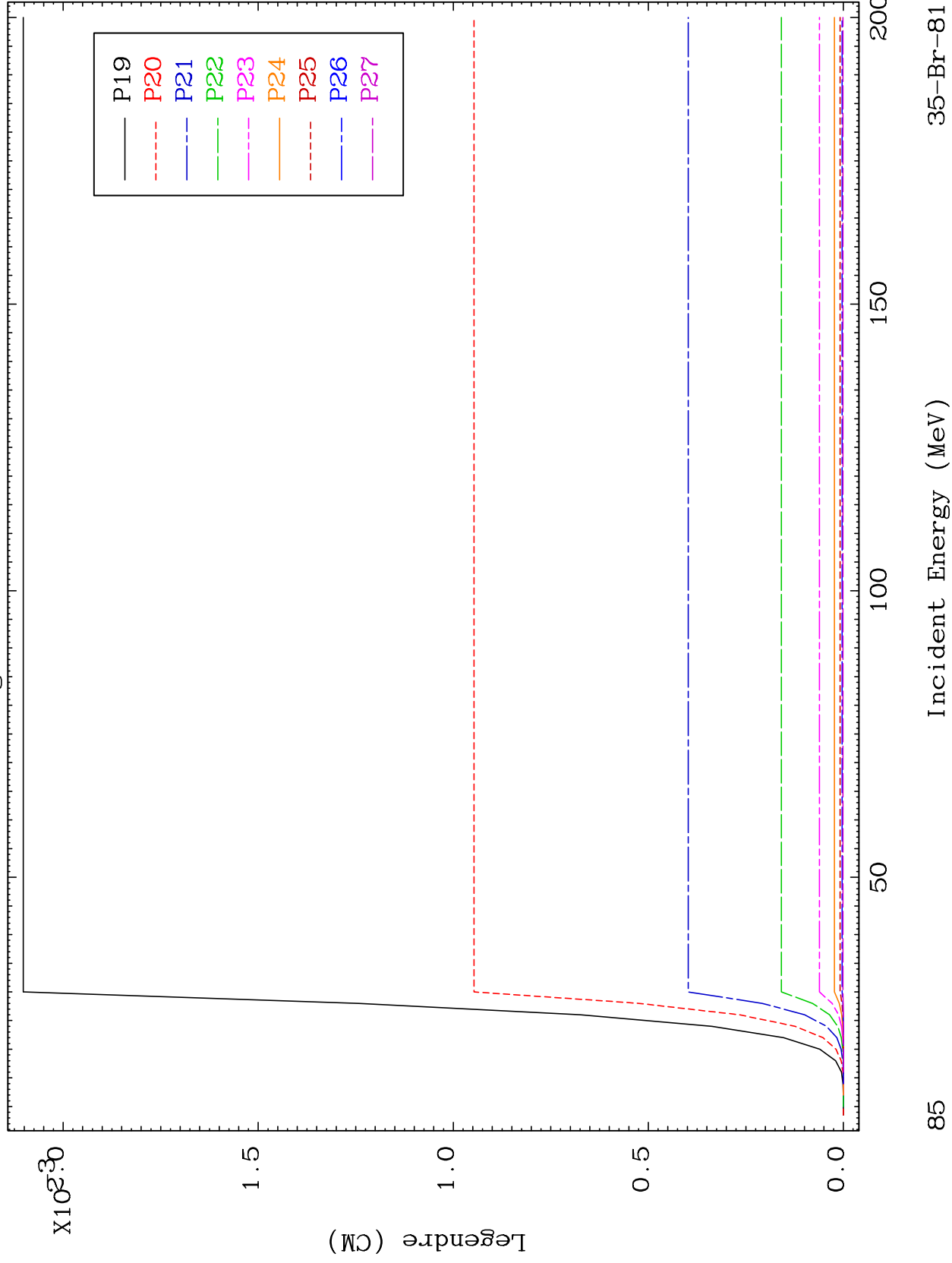
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 68 (n,n') Level
Legendre Coefficients

35-Br-81



85

Incident Energy (MeV)

35-Br-81

200

150

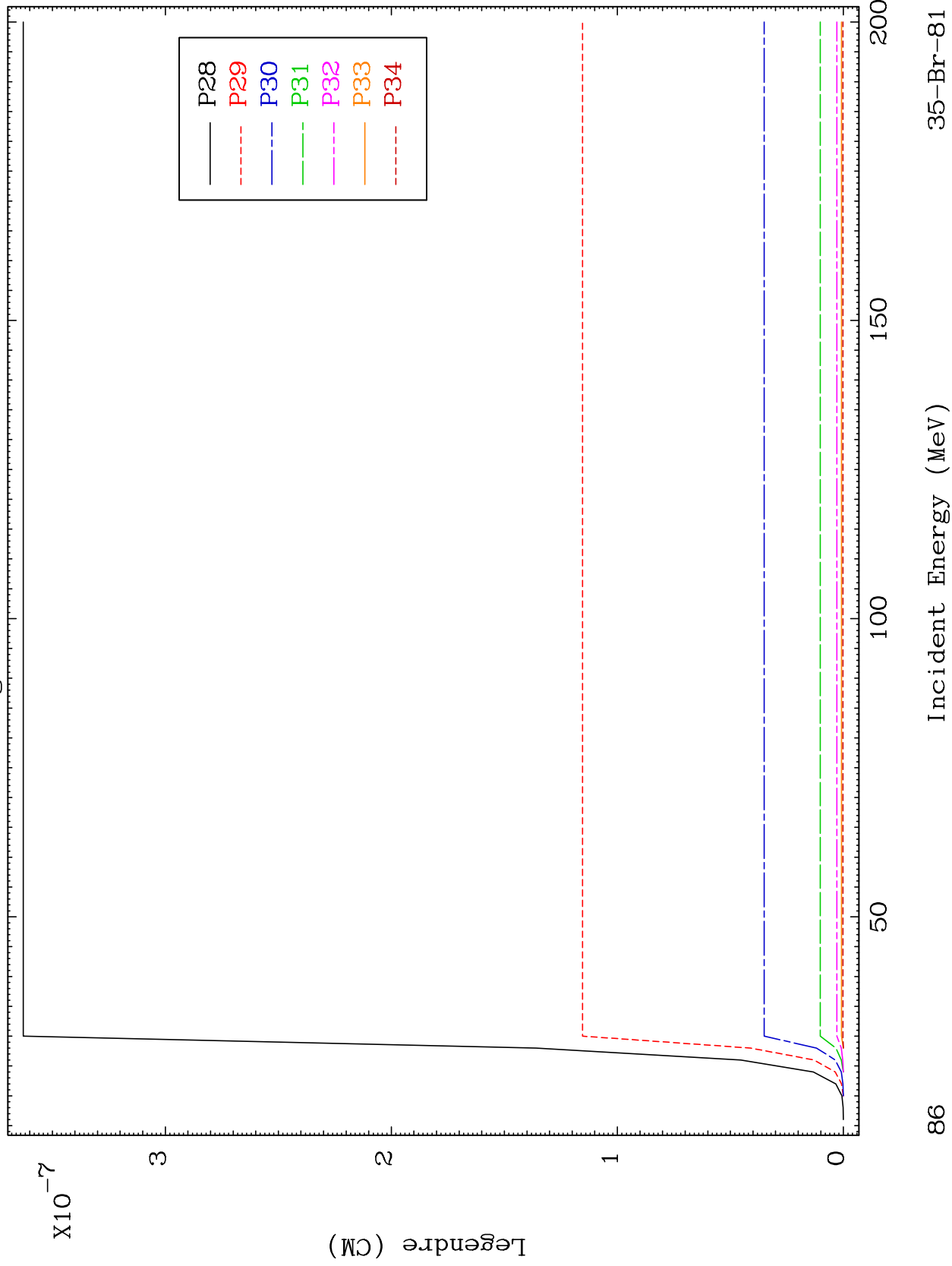
100

50

MAT 3531

MT= 68 (n,n') Level
Legendre Coefficients

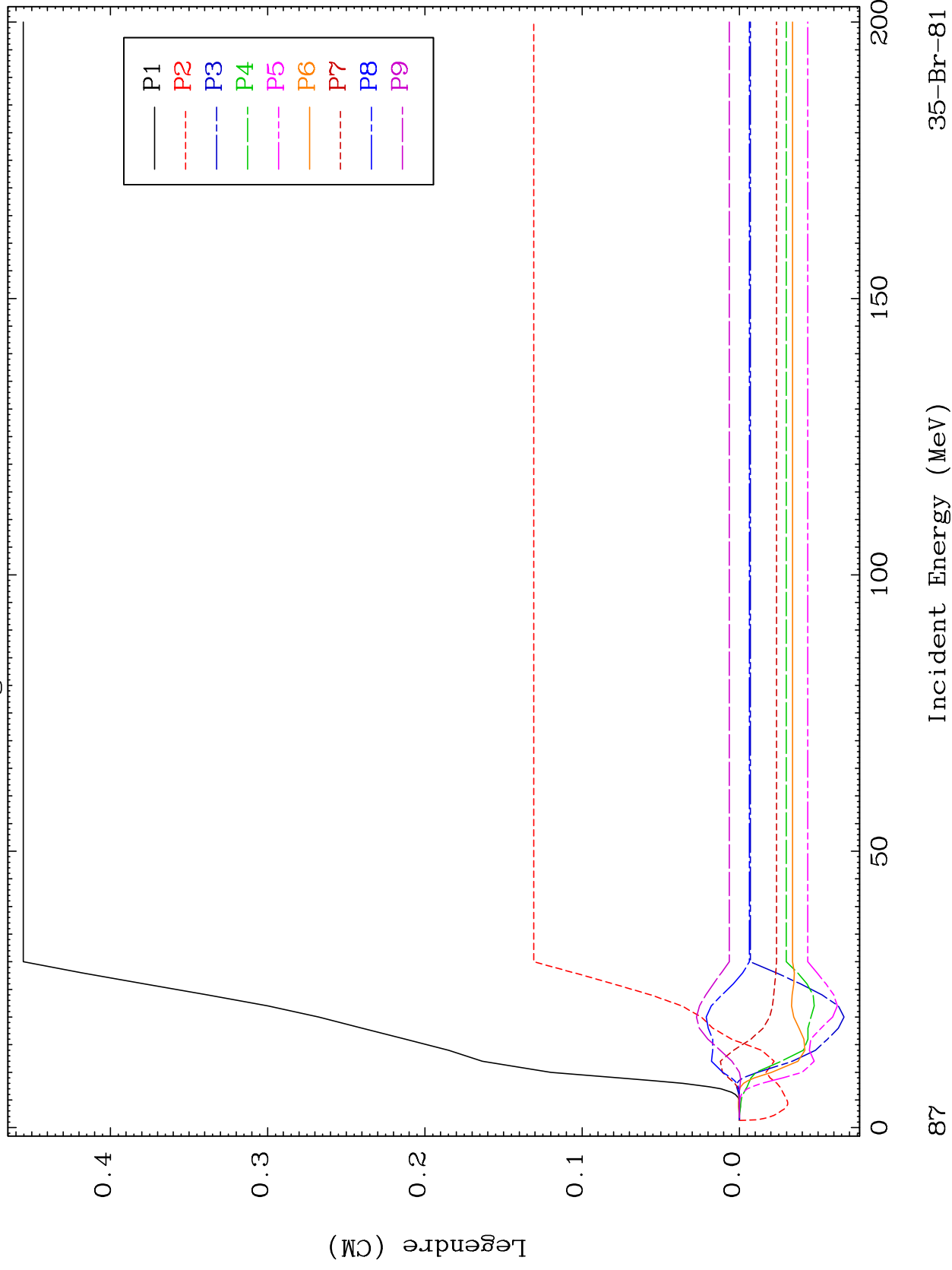
35-Br-81

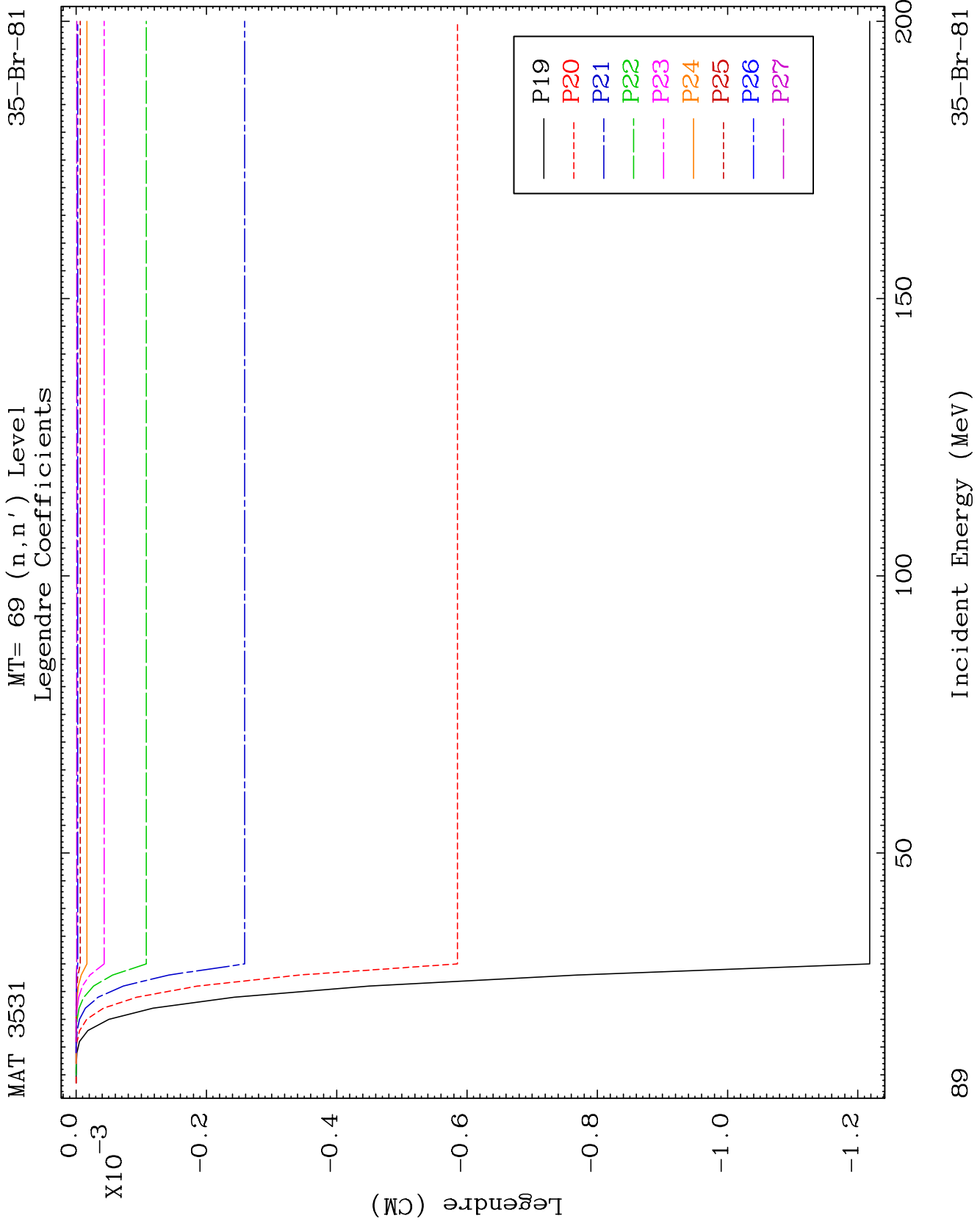


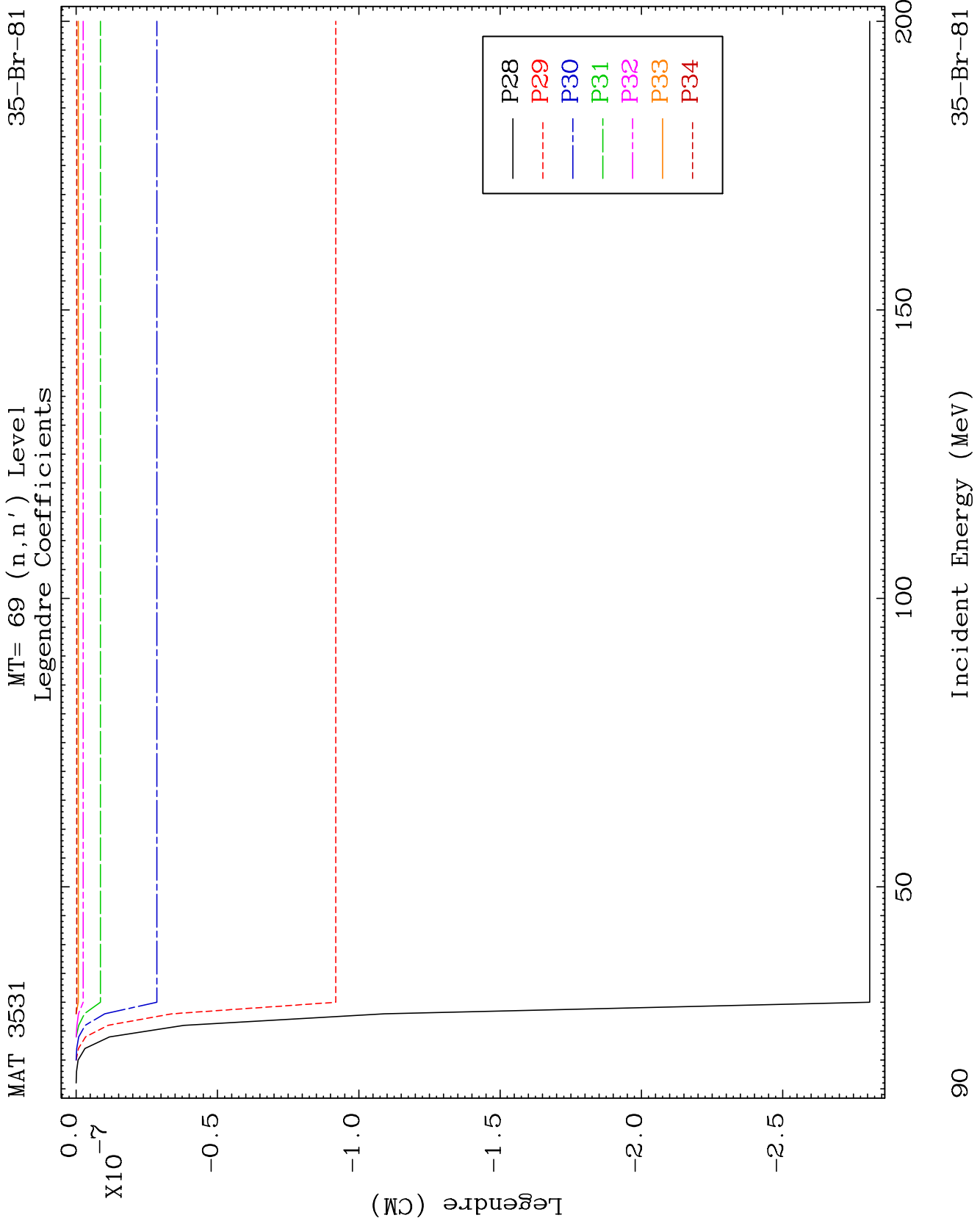
MAT 3531

MT= 69 (n,n') Level
Legendre Coefficients

35-Br-81



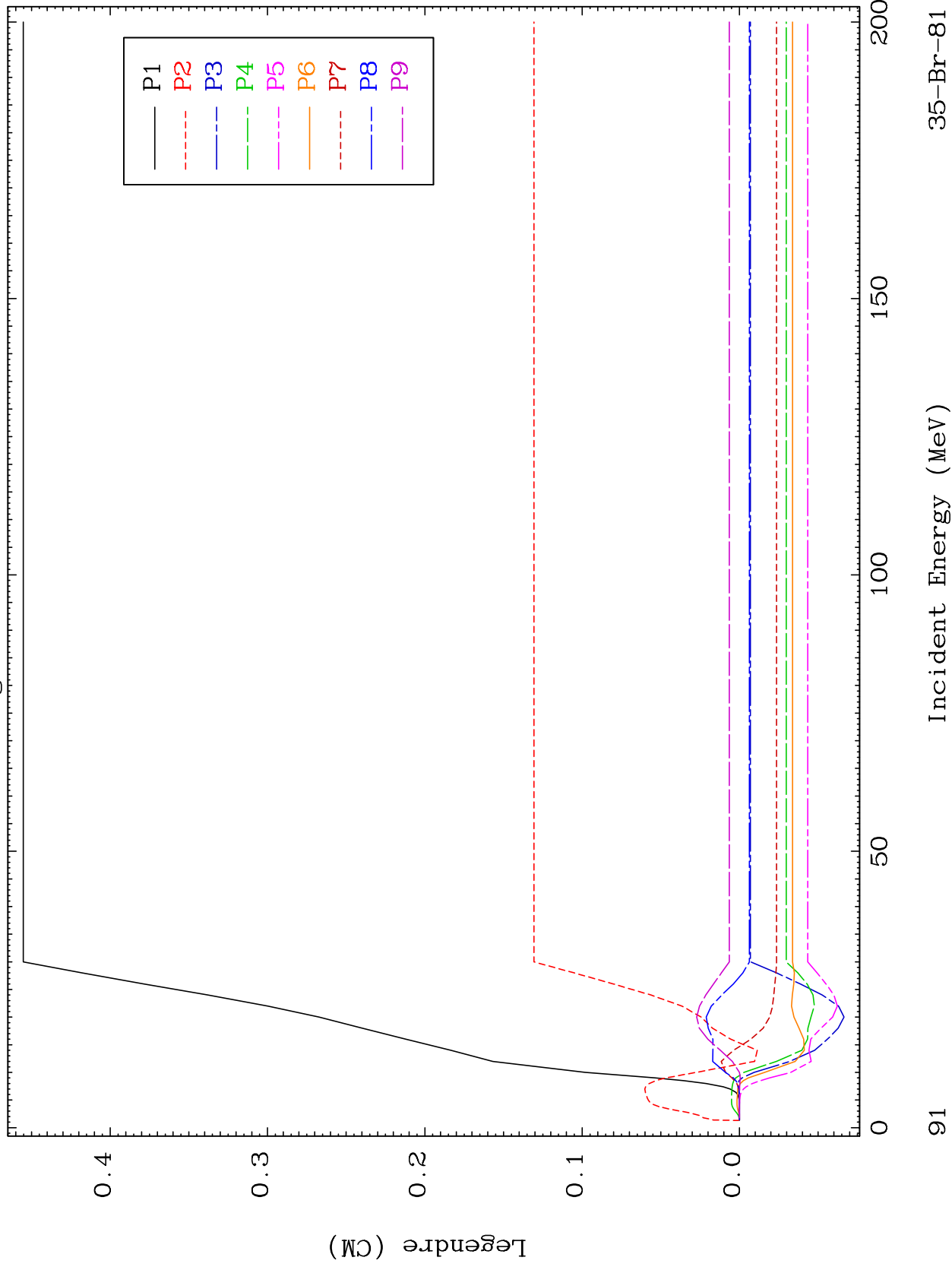




MAT 3531

MT= 70 (n,n') Level
Legendre Coefficients

35-Br-81



91

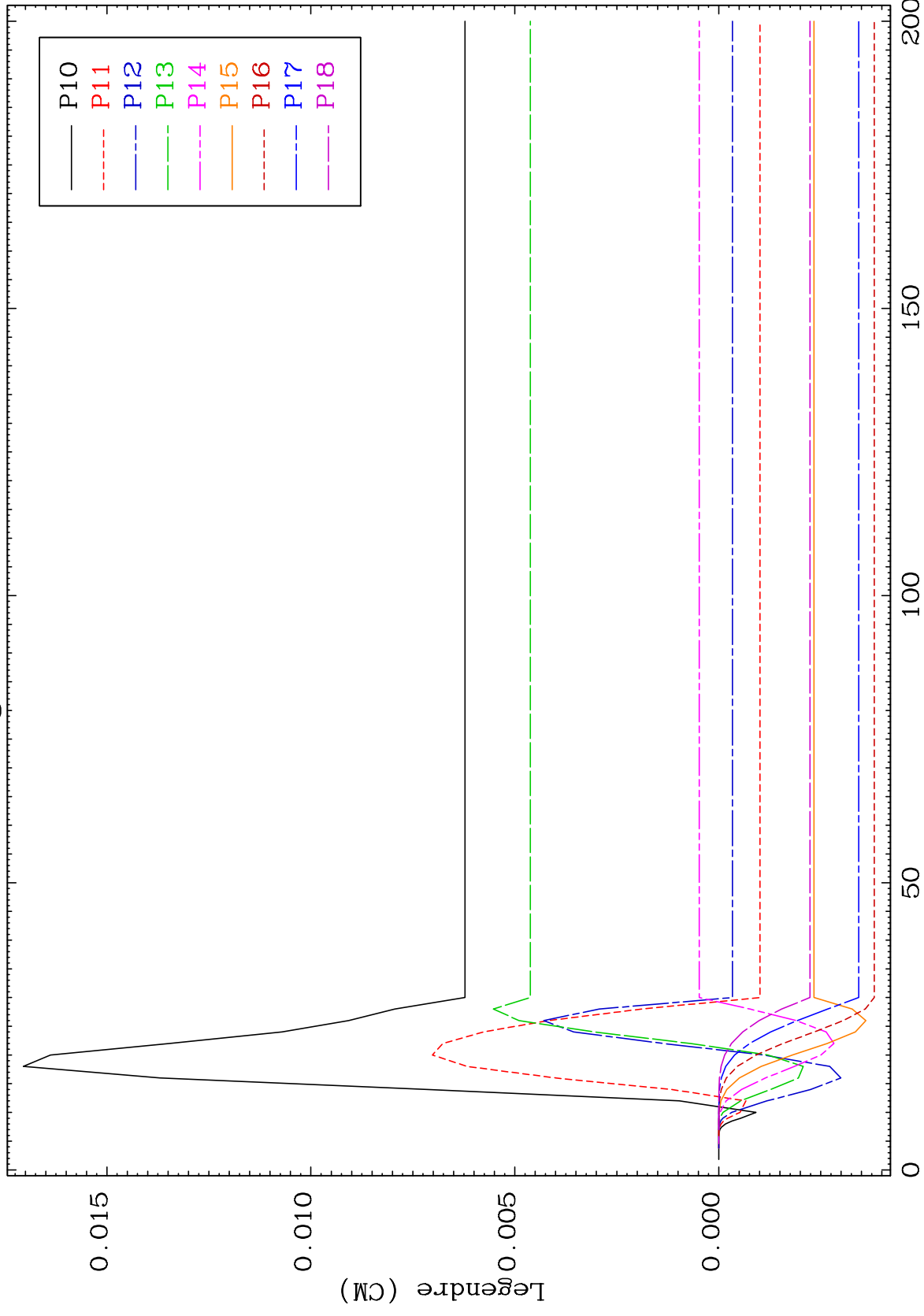
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 70 (n,n') Level
Legendre Coefficients

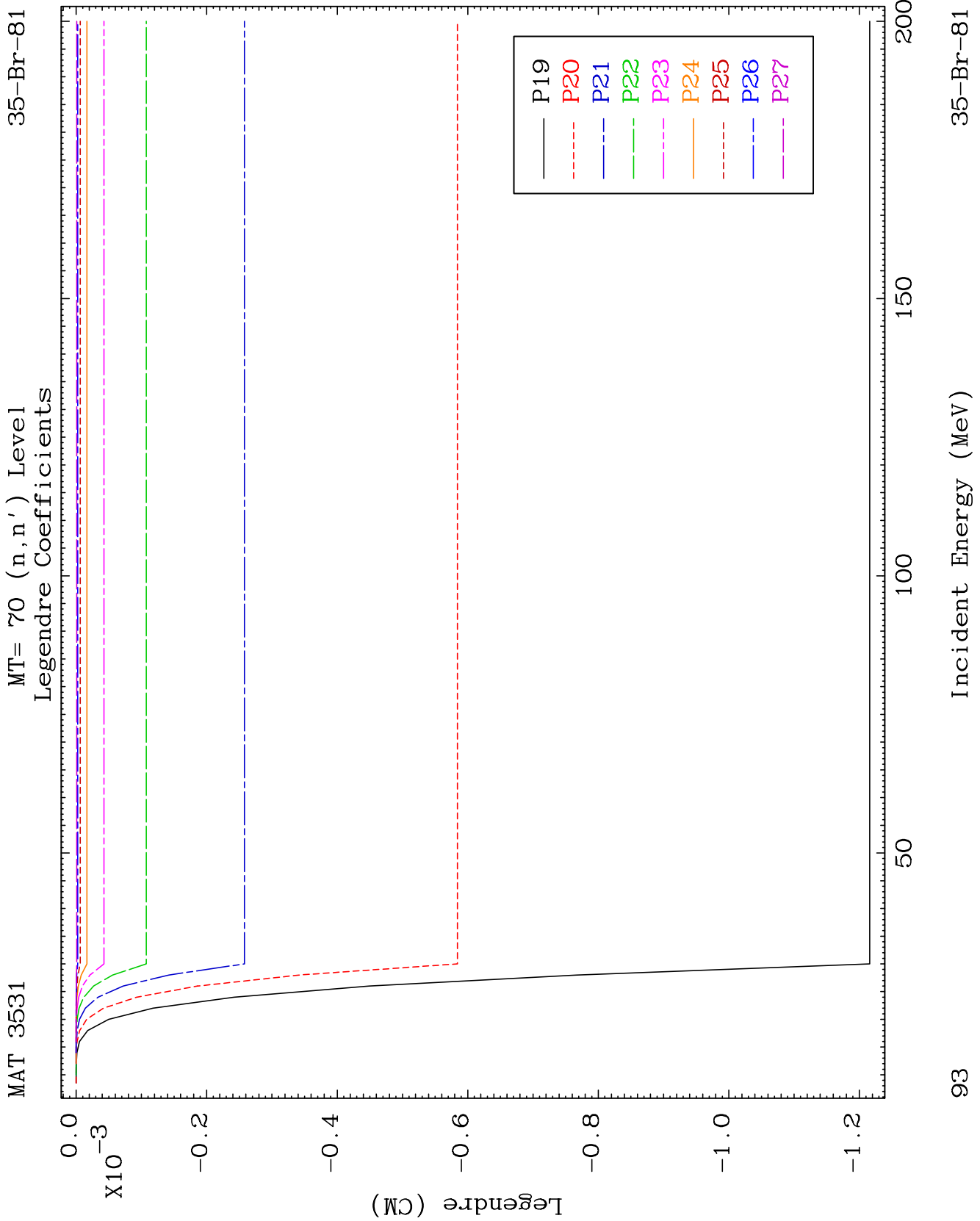
35-Br-81

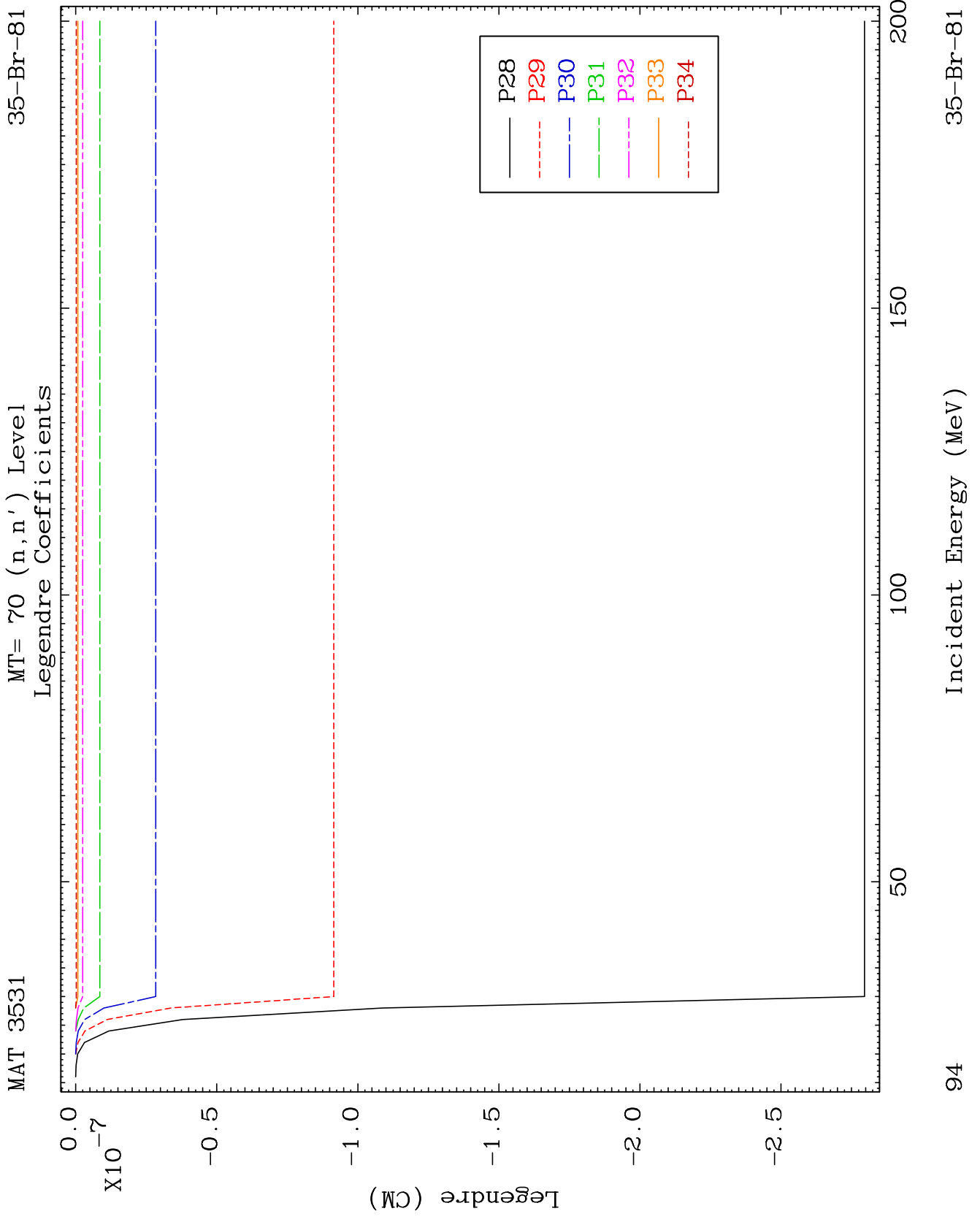


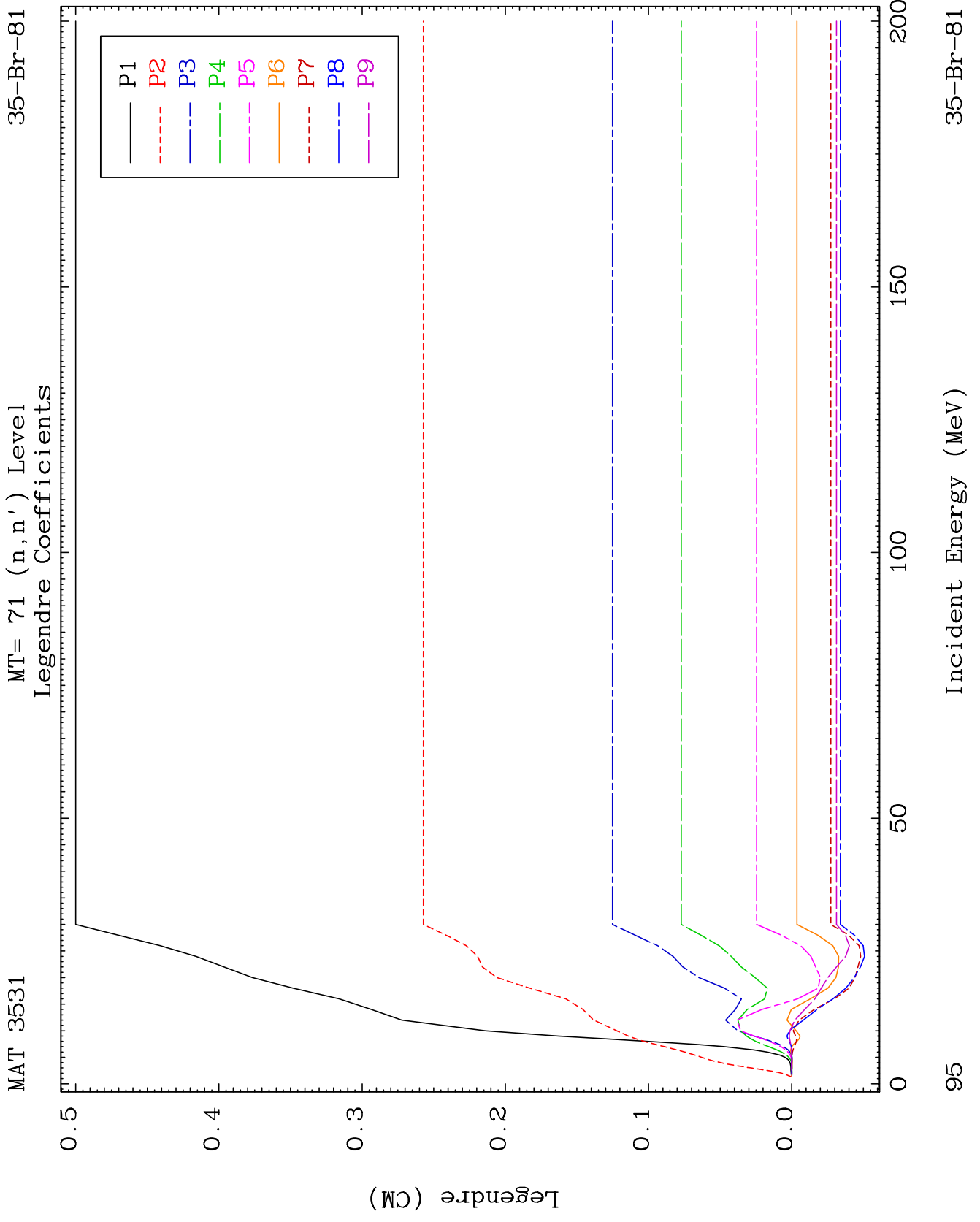
92

Incident Energy (MeV)

35-Br-81



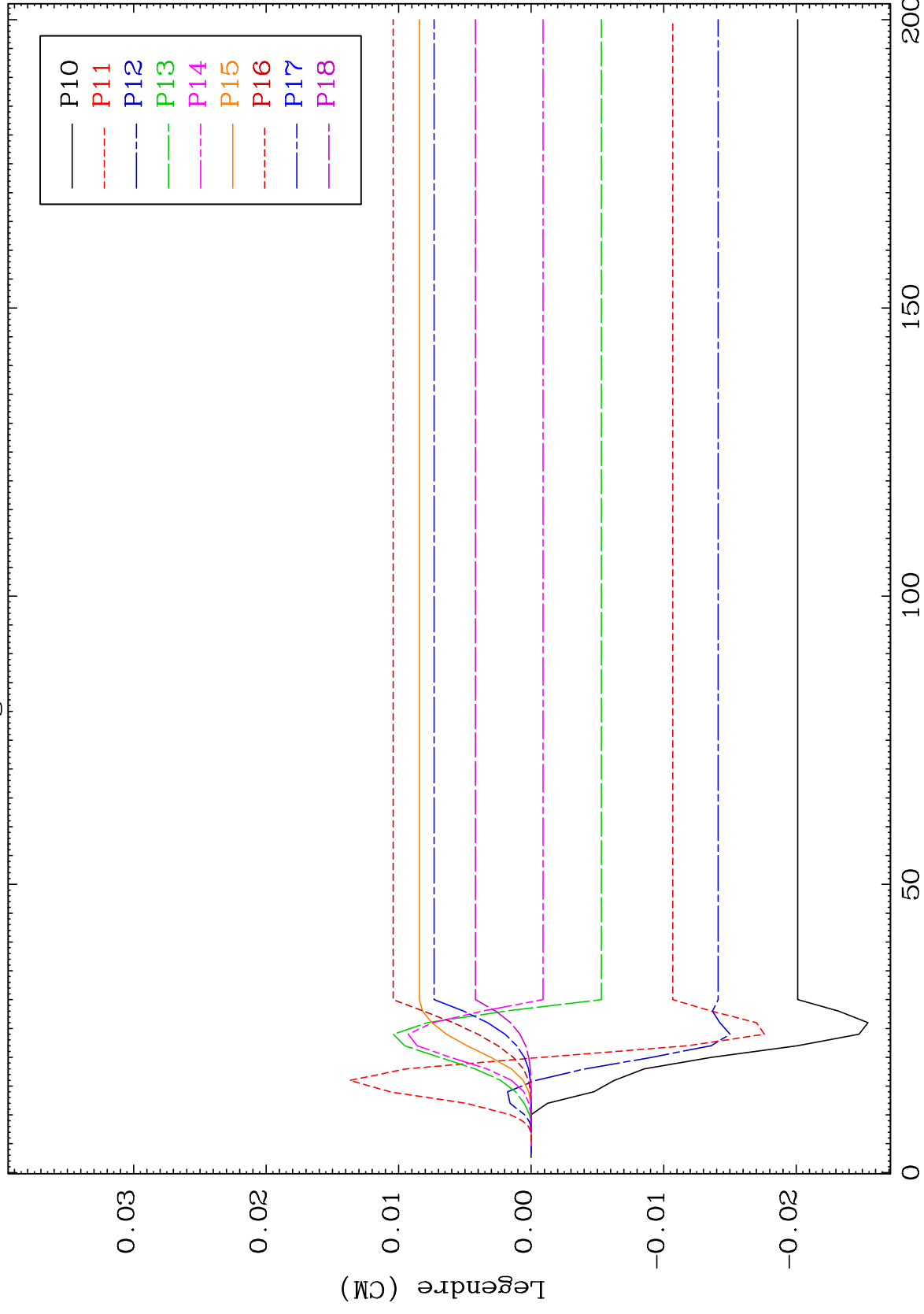




MAT 3531

MT= 71 (n,n') Level
Legendre Coefficients

35-Br-81



96

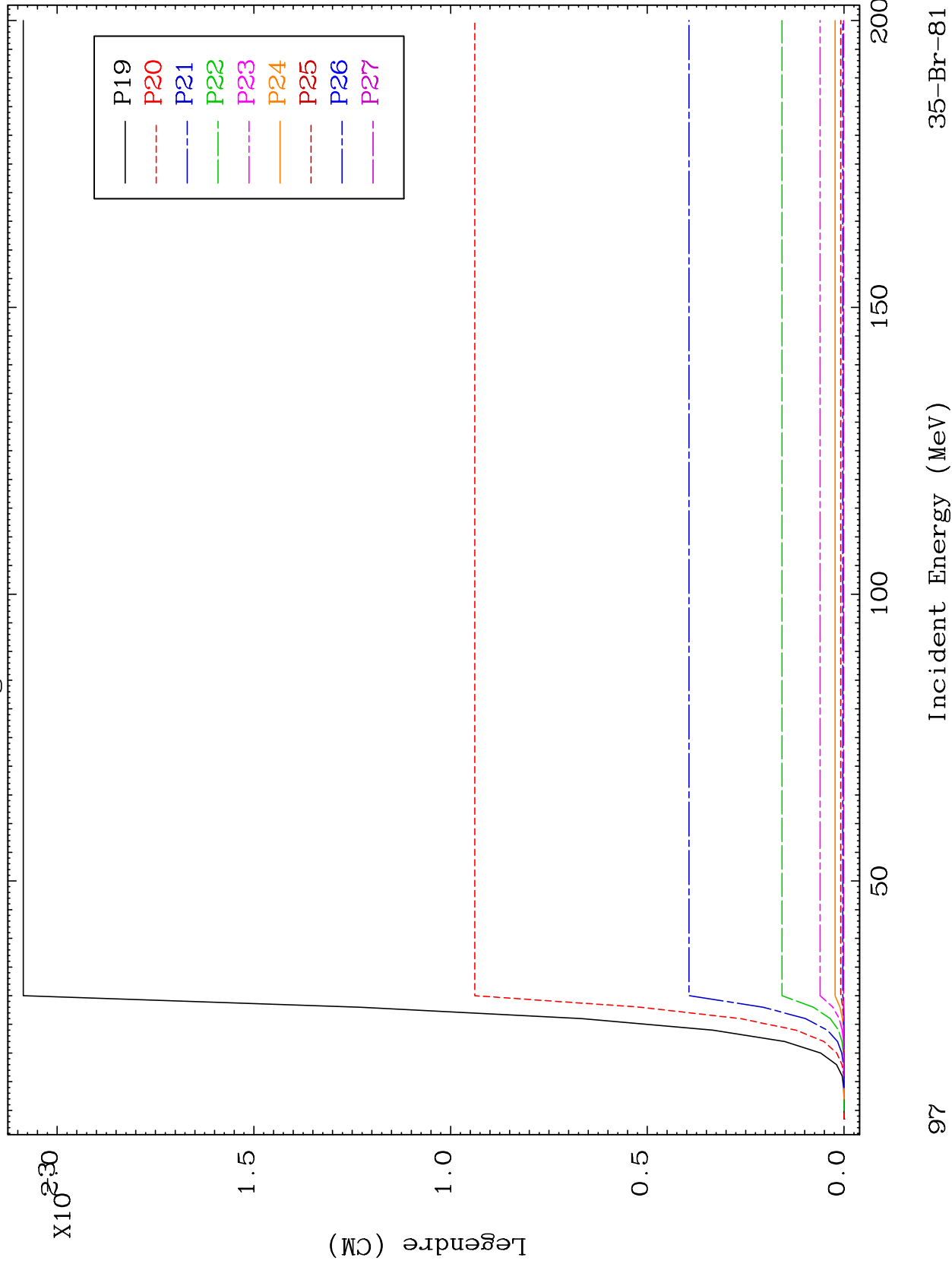
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 71 (n,n') Level
Legendre Coefficients

35-Br-81



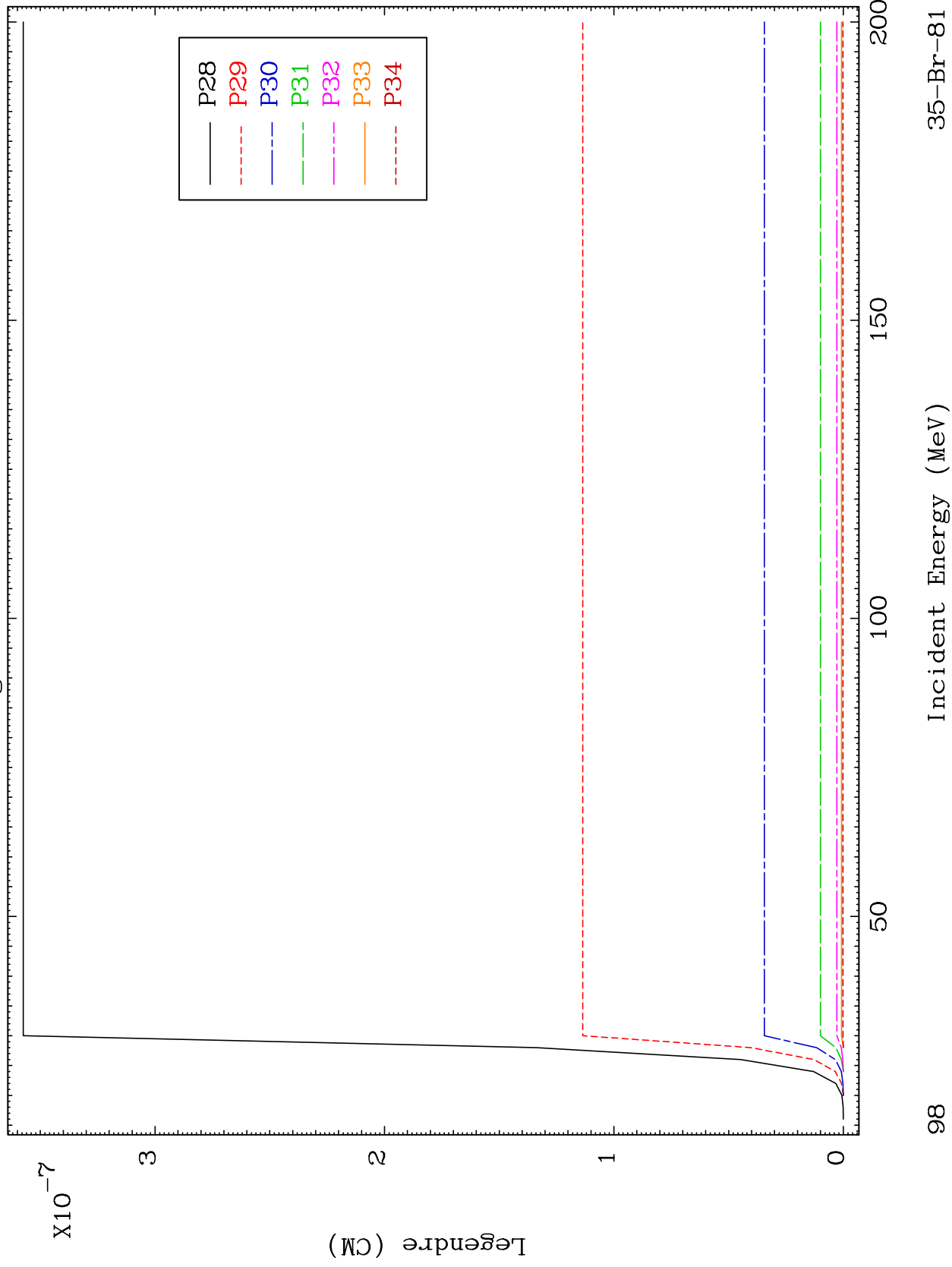
97

35-Br-81

MAT 3531

MT= 71 (n,n') Level
Legendre Coefficients

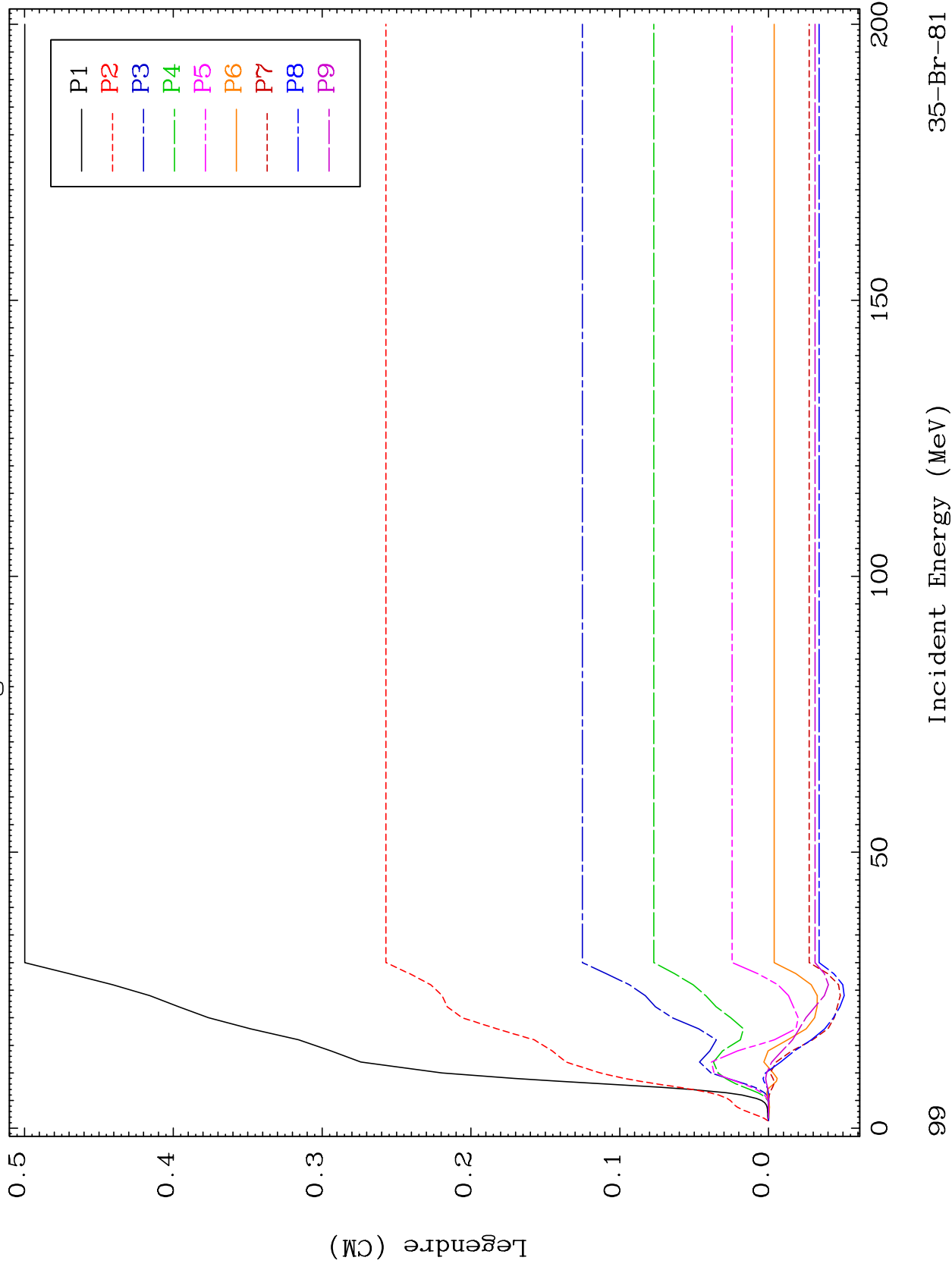
35-Br-81



MAT 3531

MT= 72 (n,n') Level
Legendre Coefficients

35-Br-81



35-Br-81

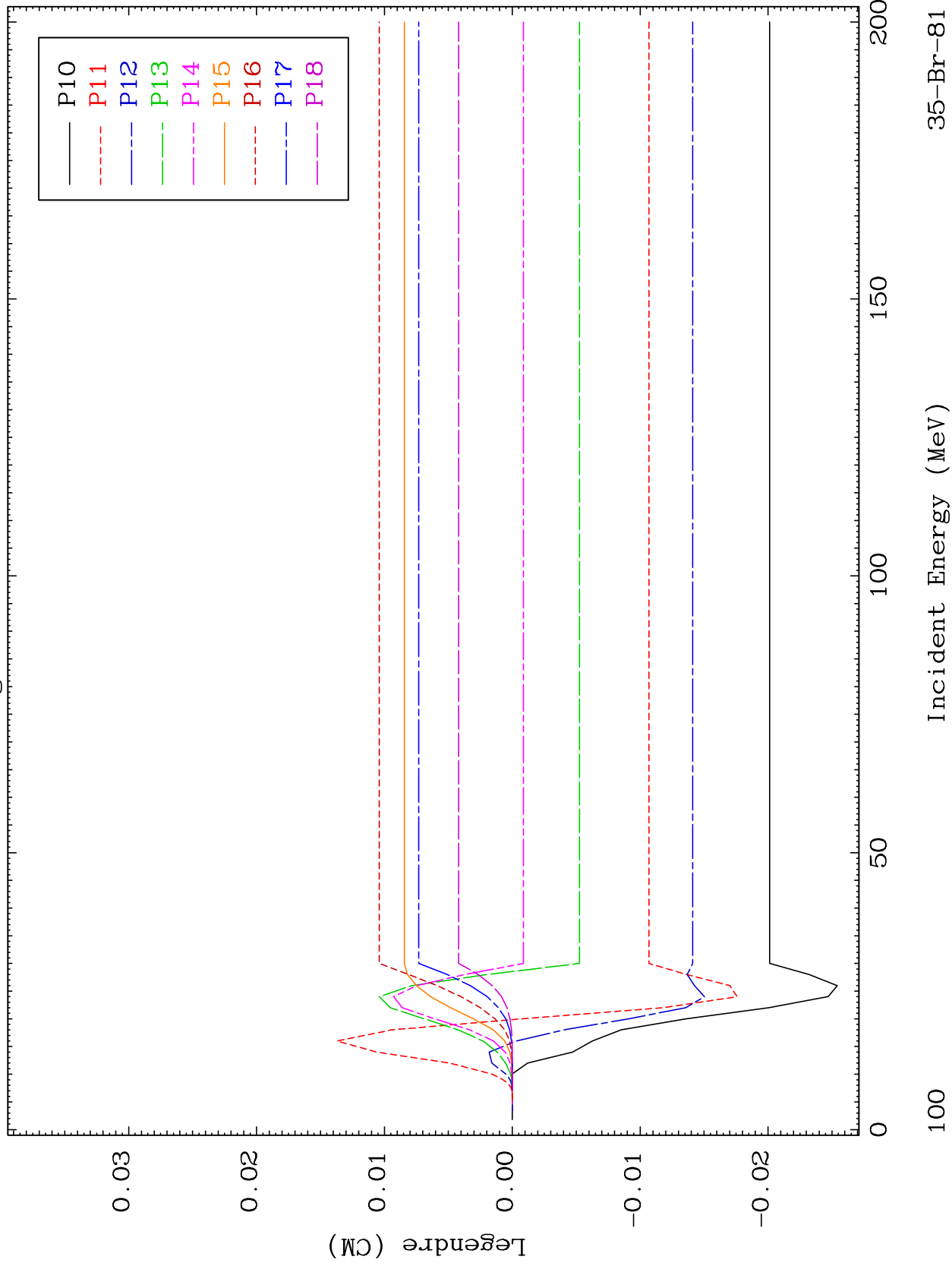
Incident Energy (MeV)

99

MAT 3531

MT= 72 (n,n') Level
Legendre Coefficients

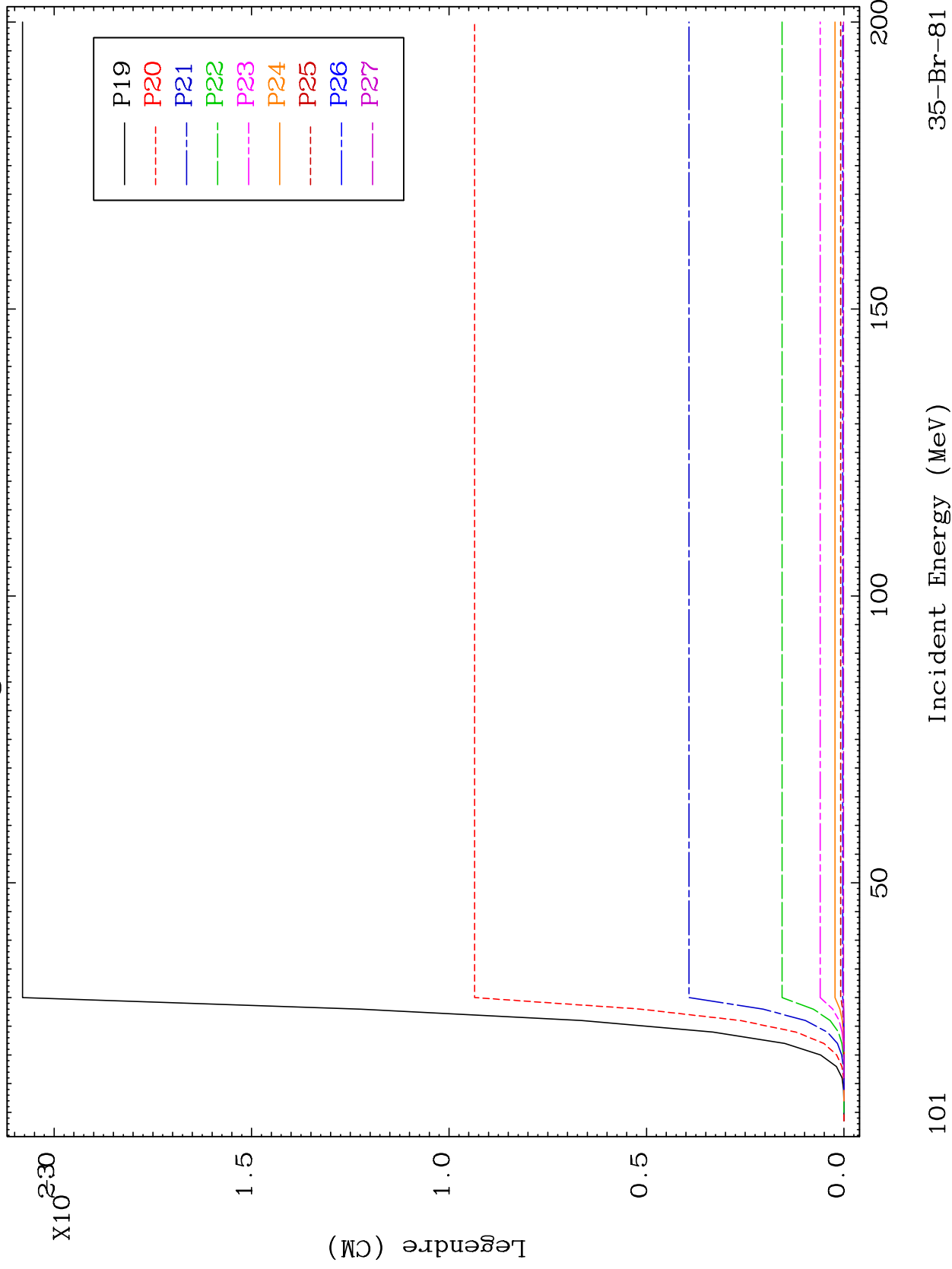
35-Br-81



MAT 3531

MT= 72 (n,n') Level
Legendre Coefficients

35-Br-81



101

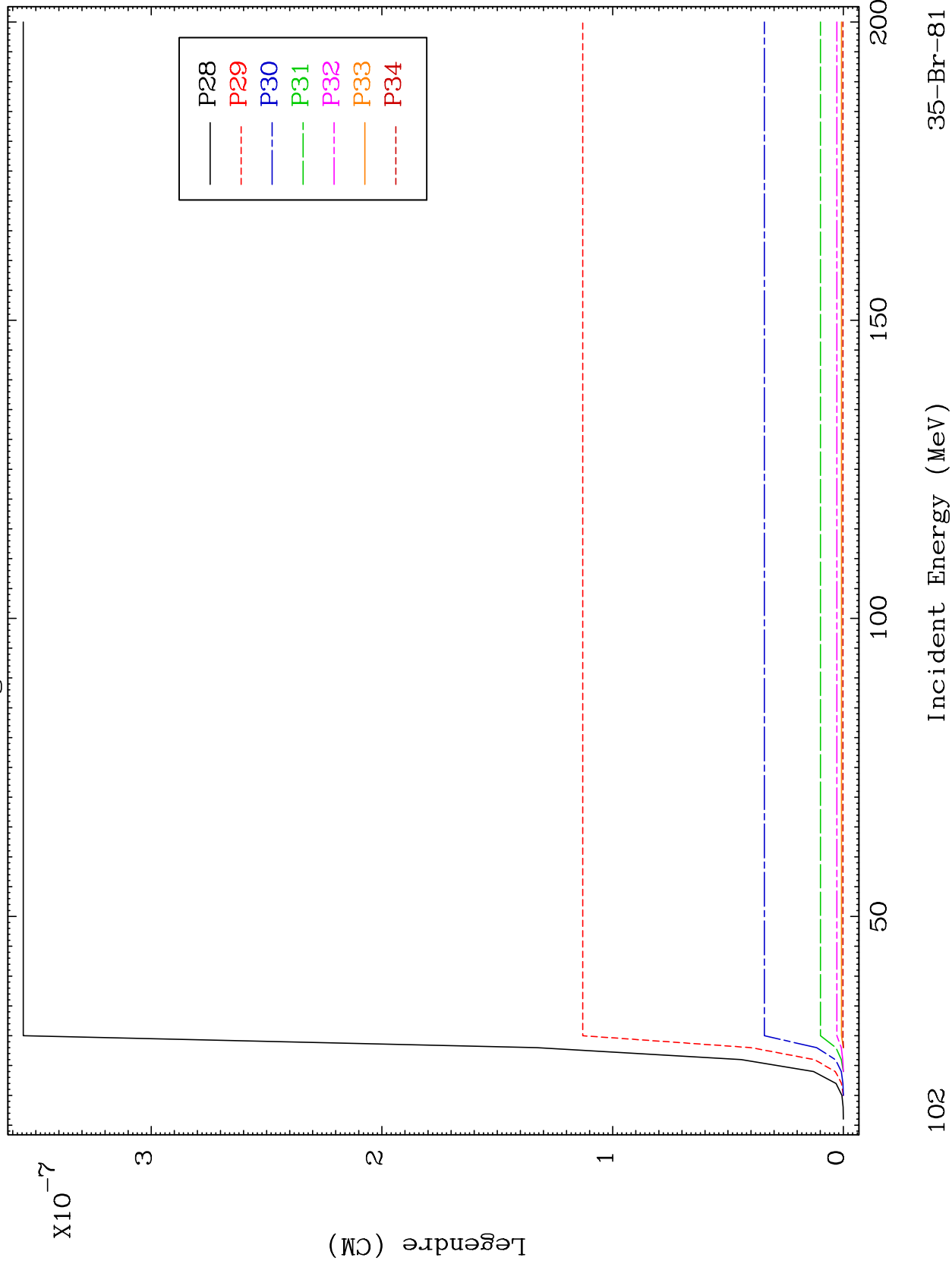
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 72 (n,n') Level
Legendre Coefficients

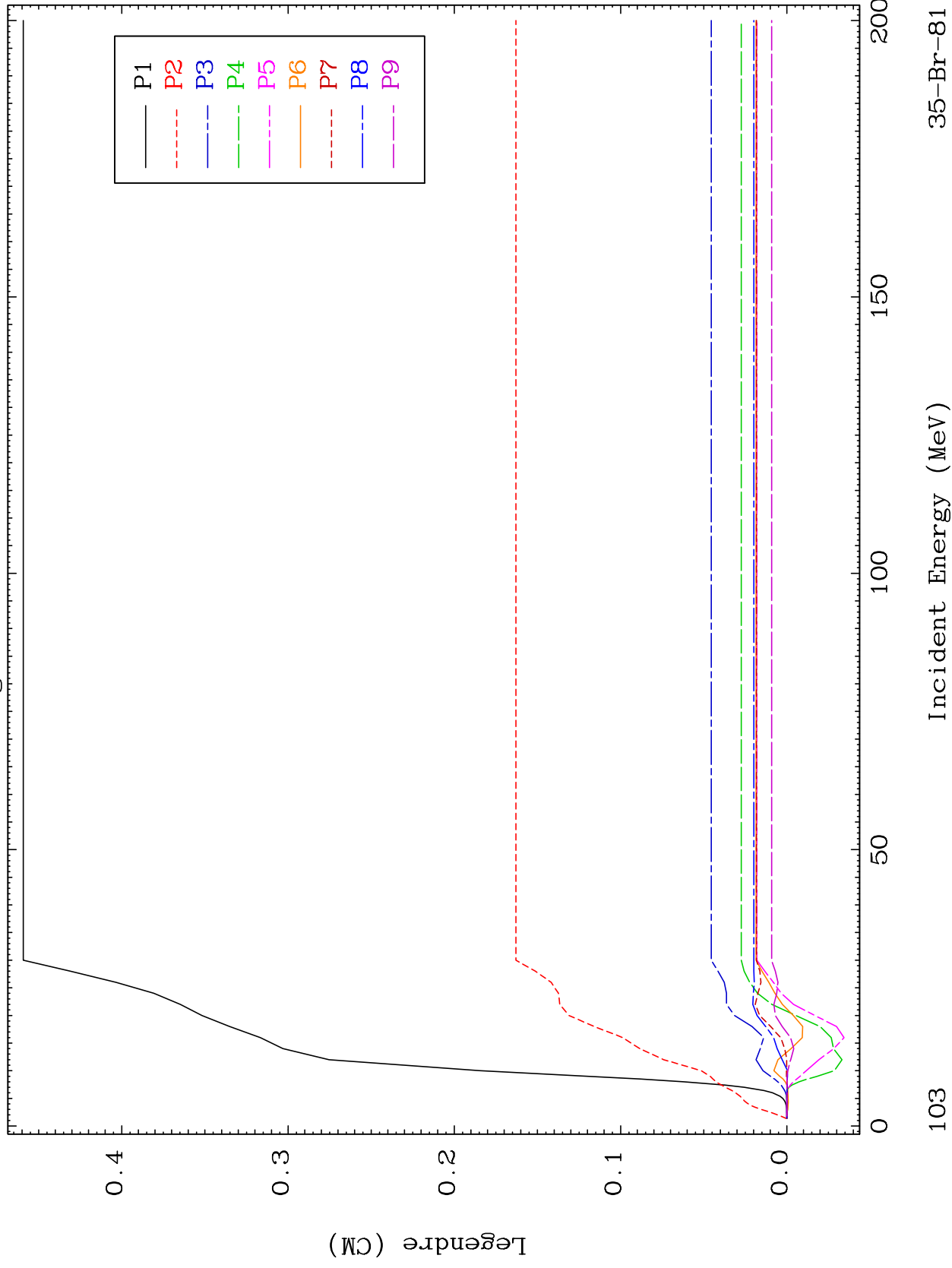
35-Br-81



MAT 3531

MT= 73 (n,n') Level
Legendre Coefficients

35-Br-81



35-Br-81

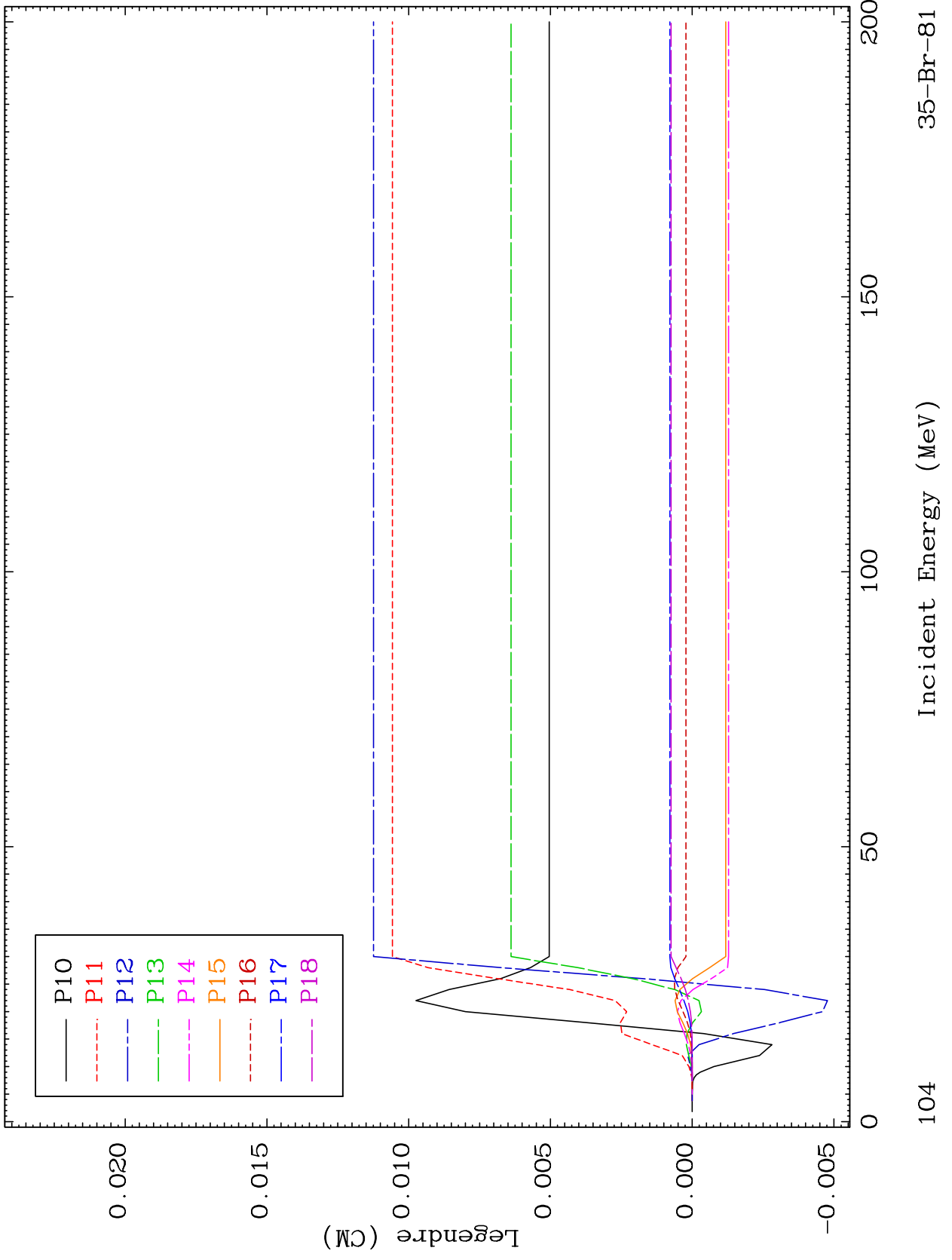
Incident Energy (MeV)

103

MAT 3531

MT= 73 (n,n') Level
Legendre Coefficients

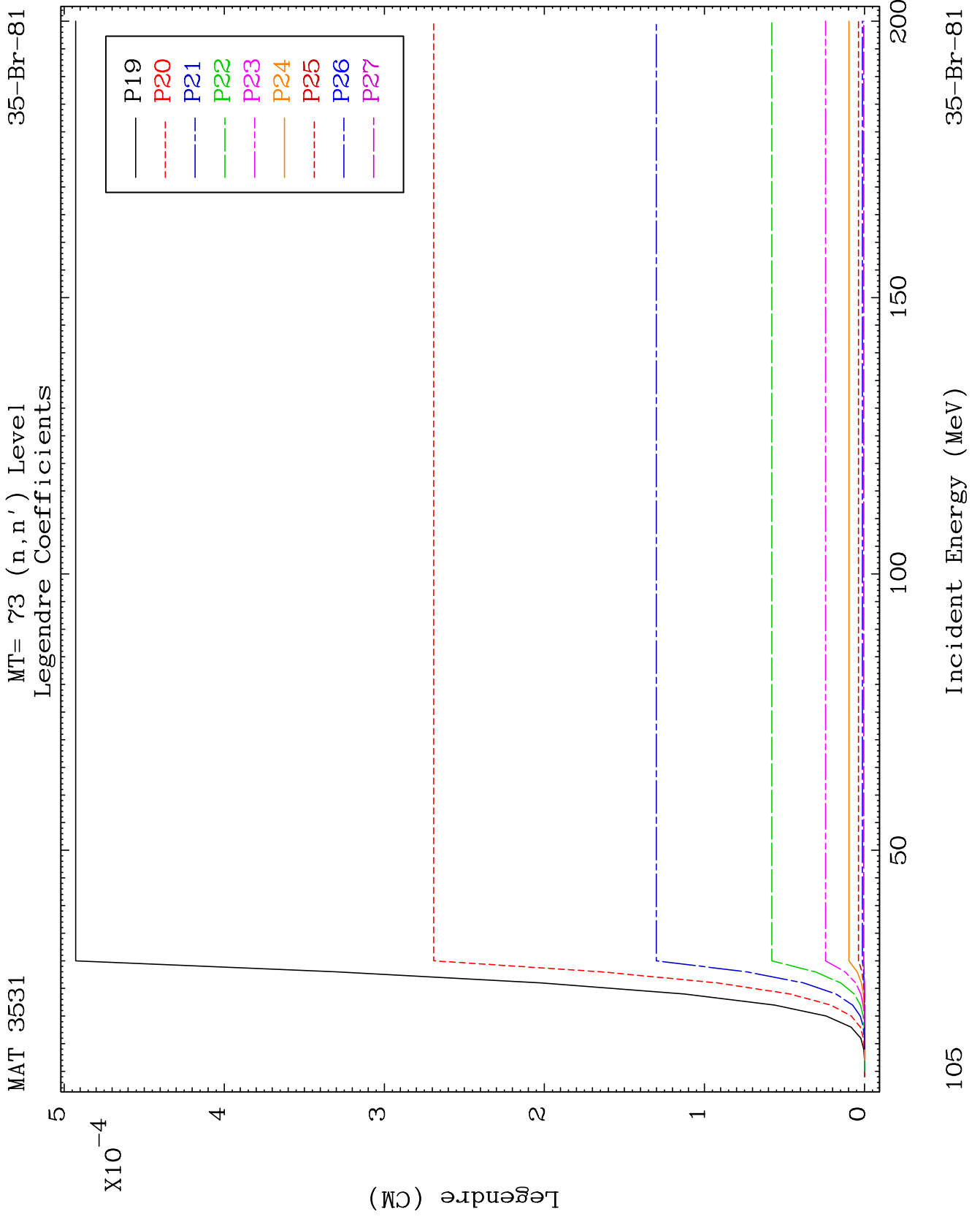
35-Br-81



104

Incident Energy (MeV)

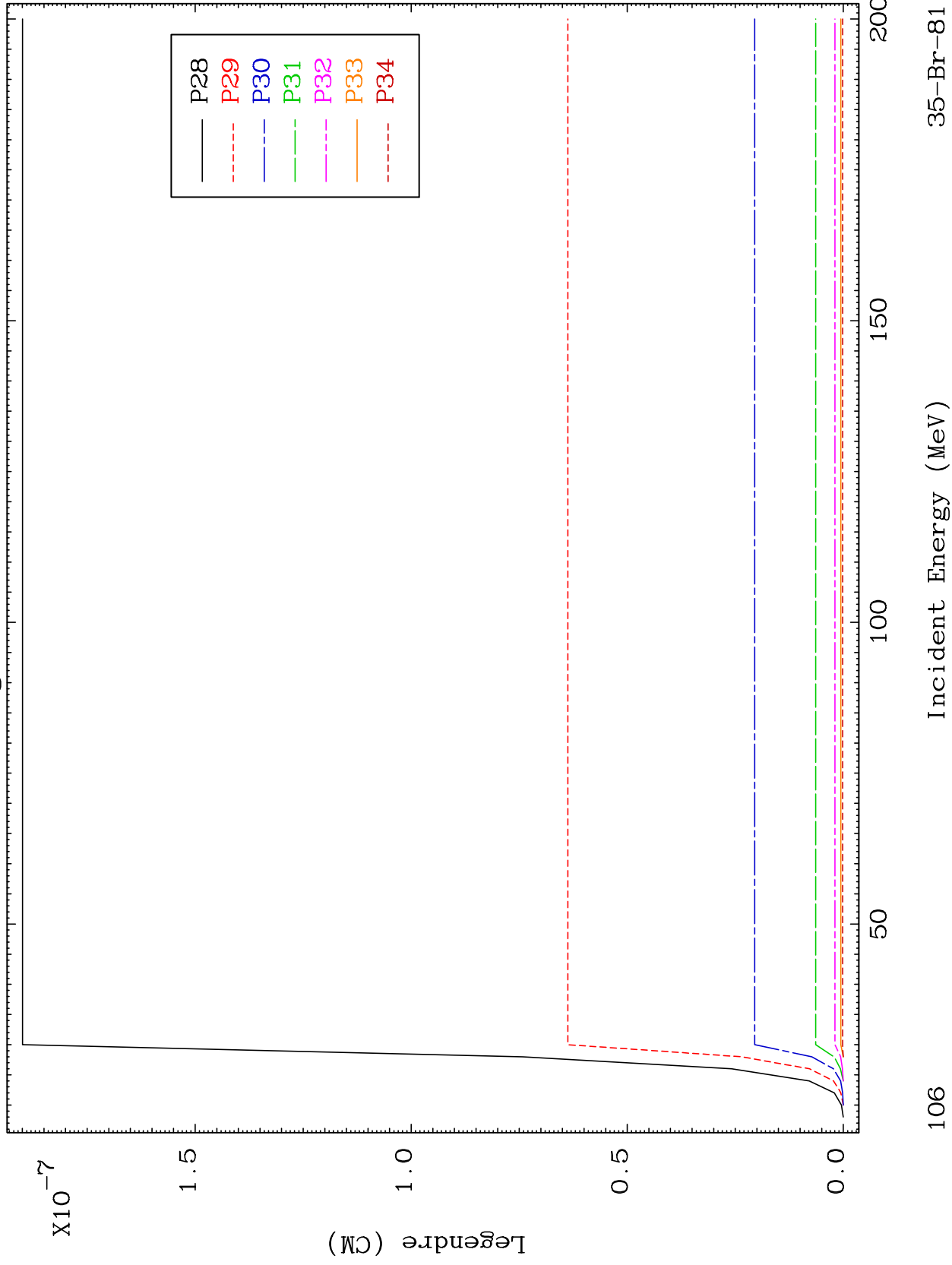
35-Br-81



MAT 3531

MT= 73 (n,n') Level
Legendre Coefficients

35-Br-81



106

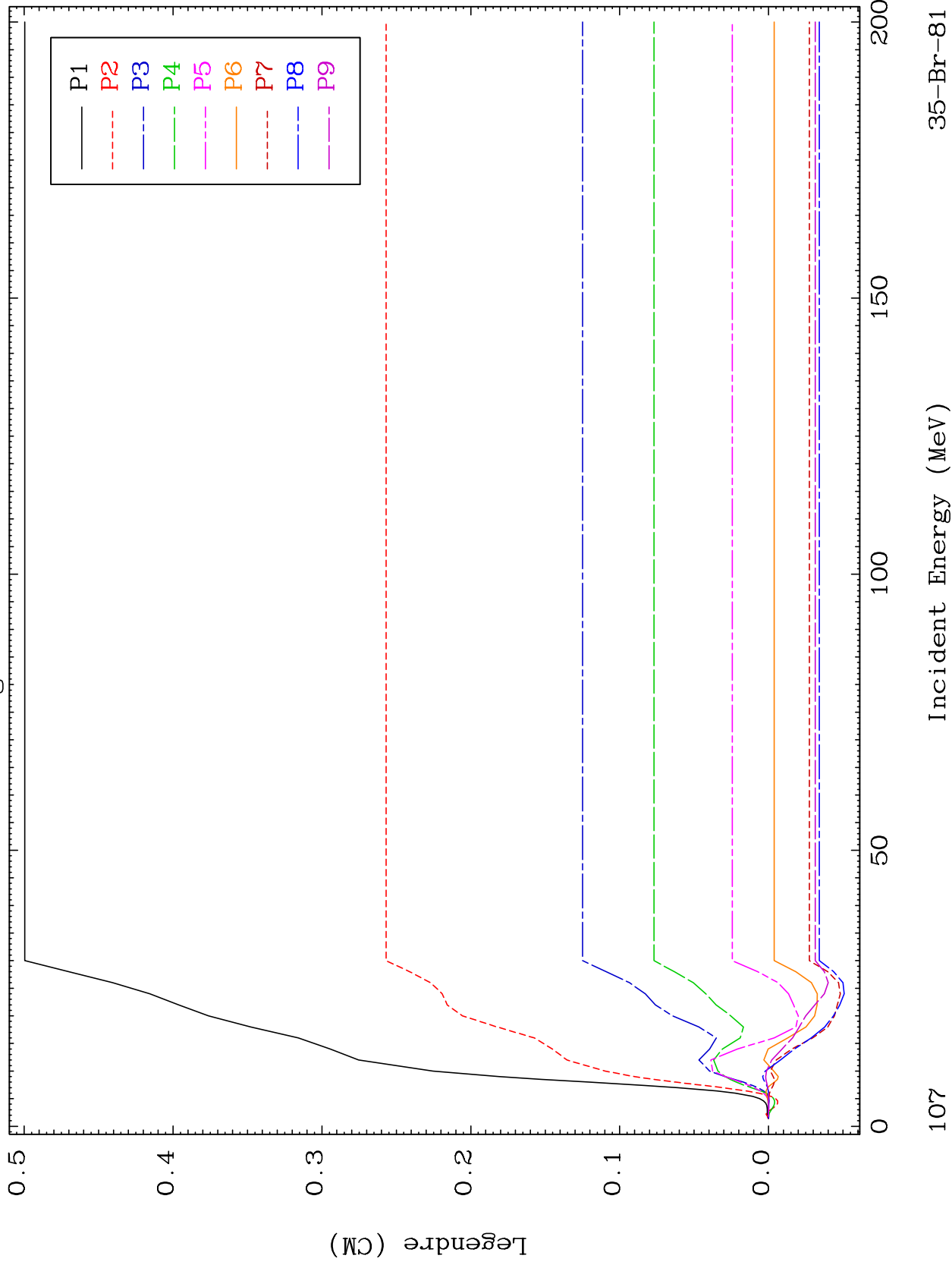
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 74 (n,n') Level
Legendre Coefficients

35-Br-81



107

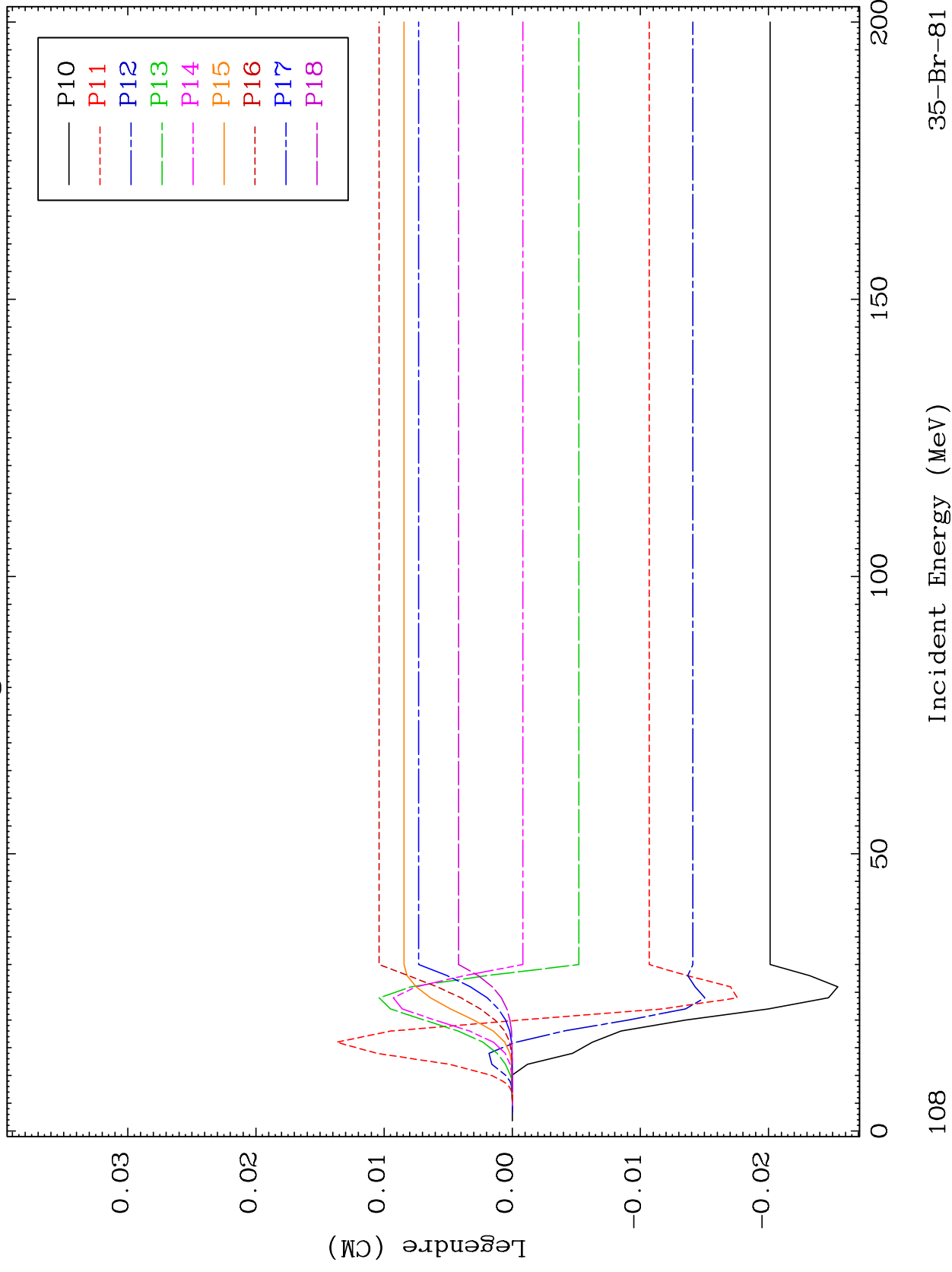
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 74 (n,n') Level
Legendre Coefficients

35-Br-81



108

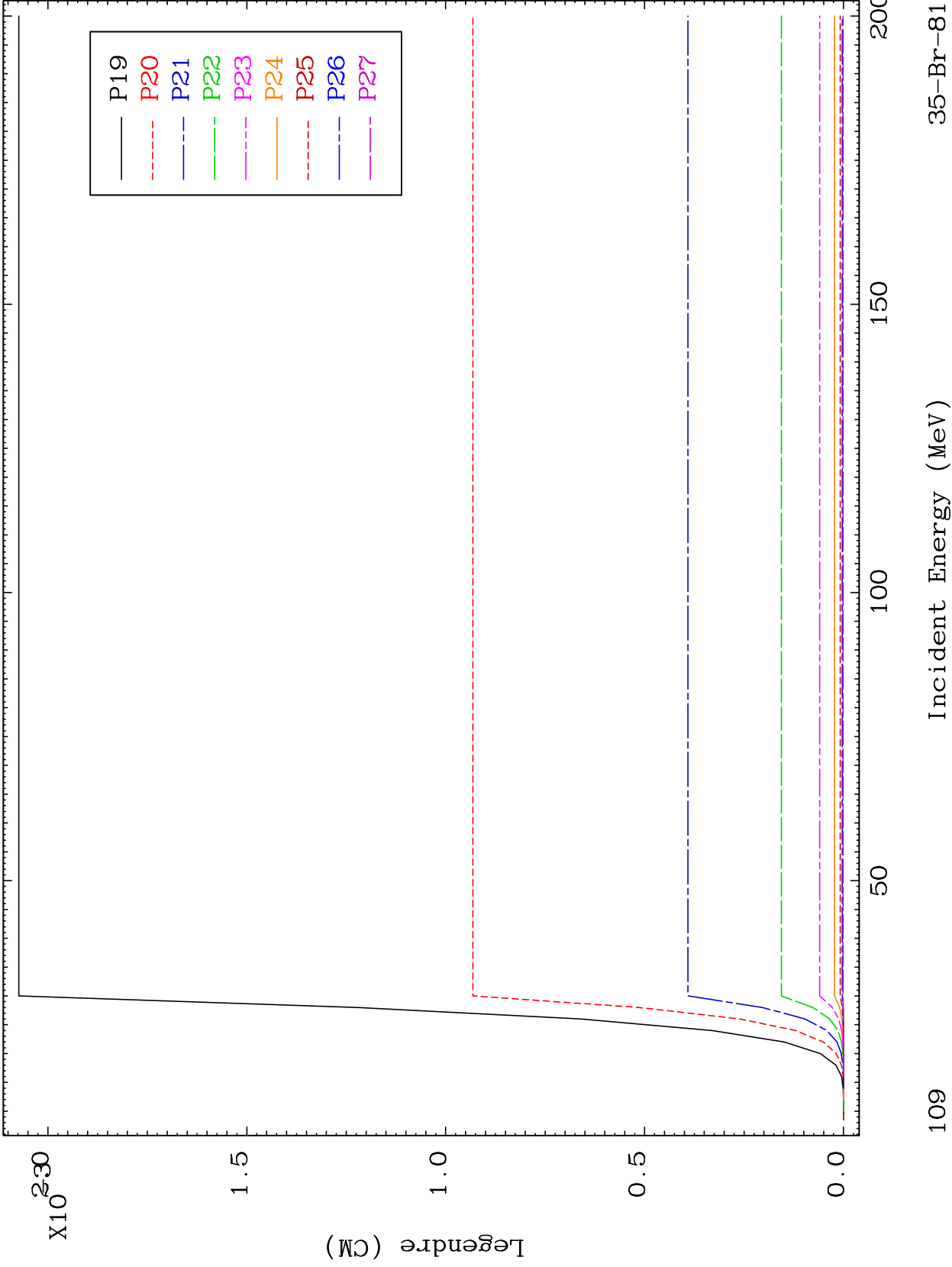
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 74 (n,n') Level
Legendre Coefficients

35-Br-81



109

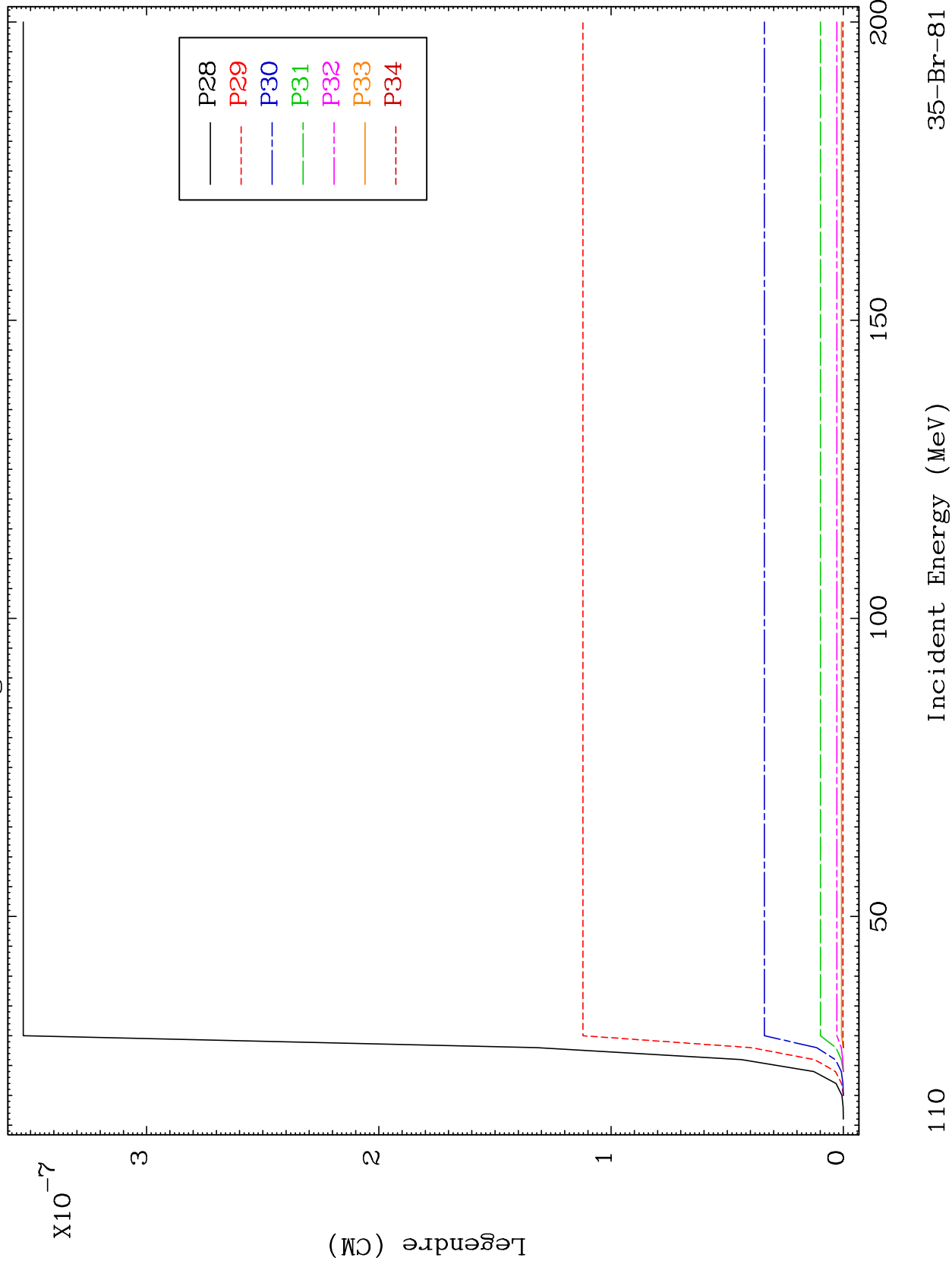
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 74 (n,n') Level
Legendre Coefficients

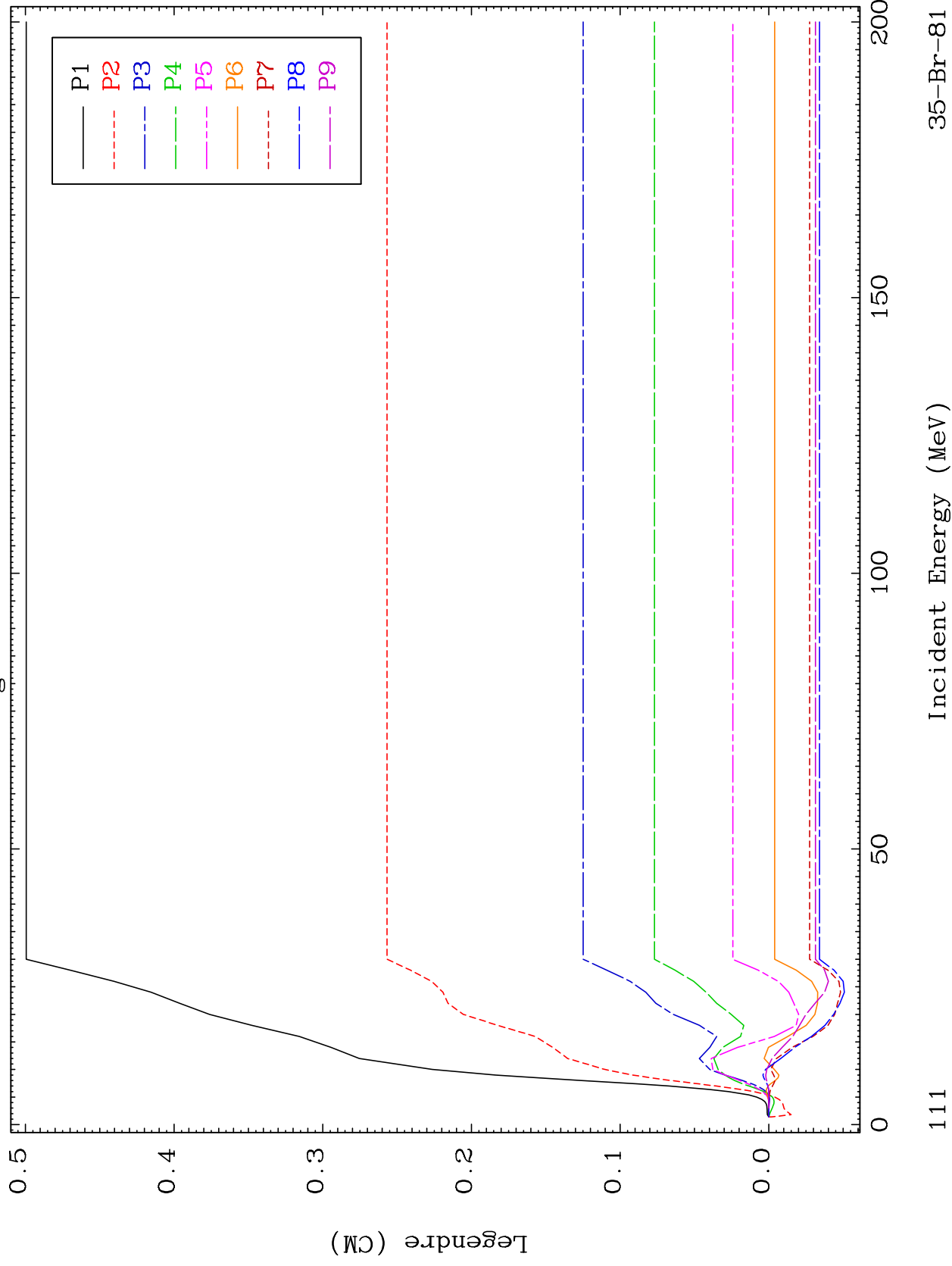
35-Br-81



MAT 3531

MT= 75 (n,n') Level
Legendre Coefficients

35-Br-81



35-Br-81

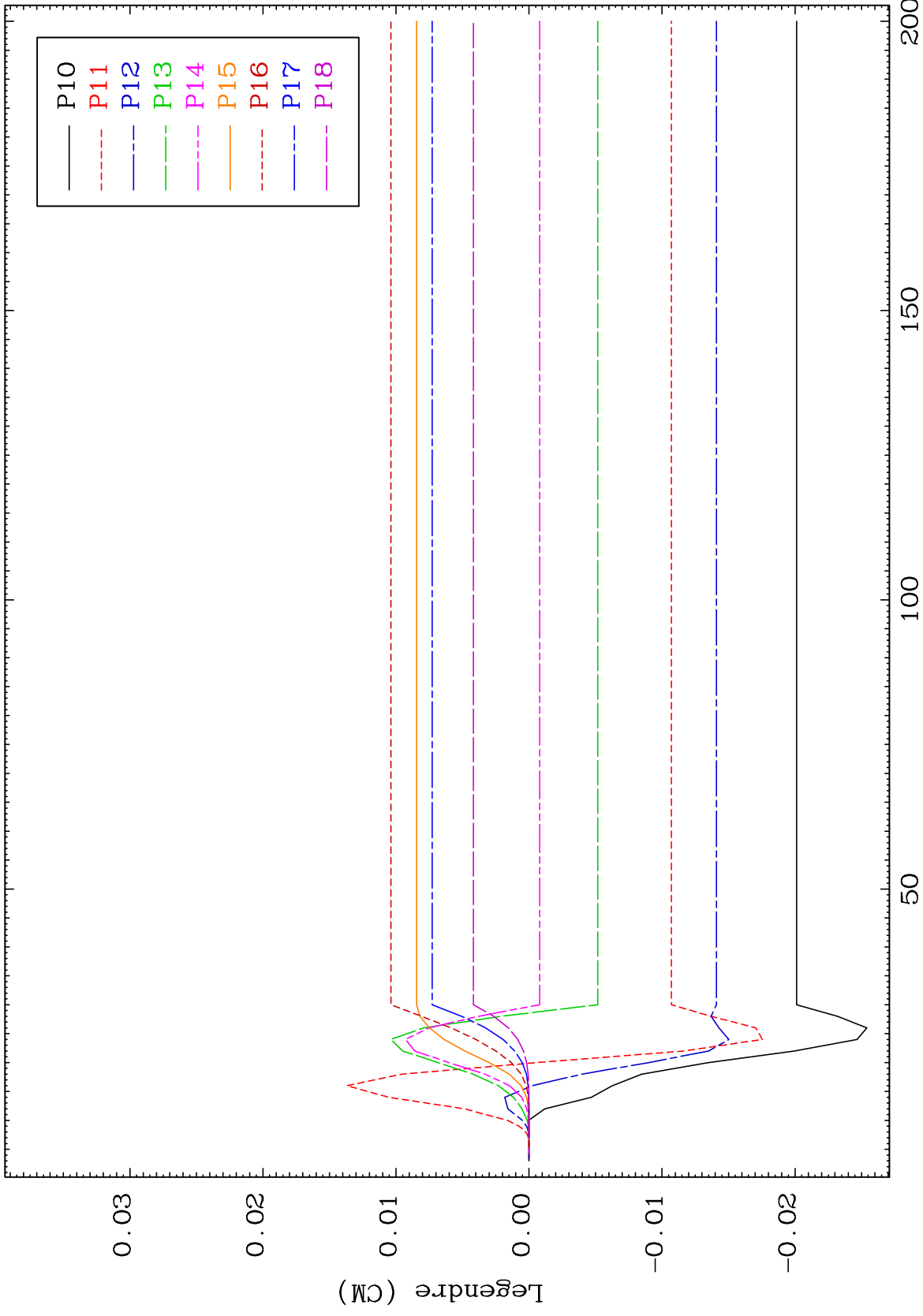
Incident Energy (MeV)

111

MAT 3531

MT= 75 (n,n') Level
Legendre Coefficients

35-Br-81



112

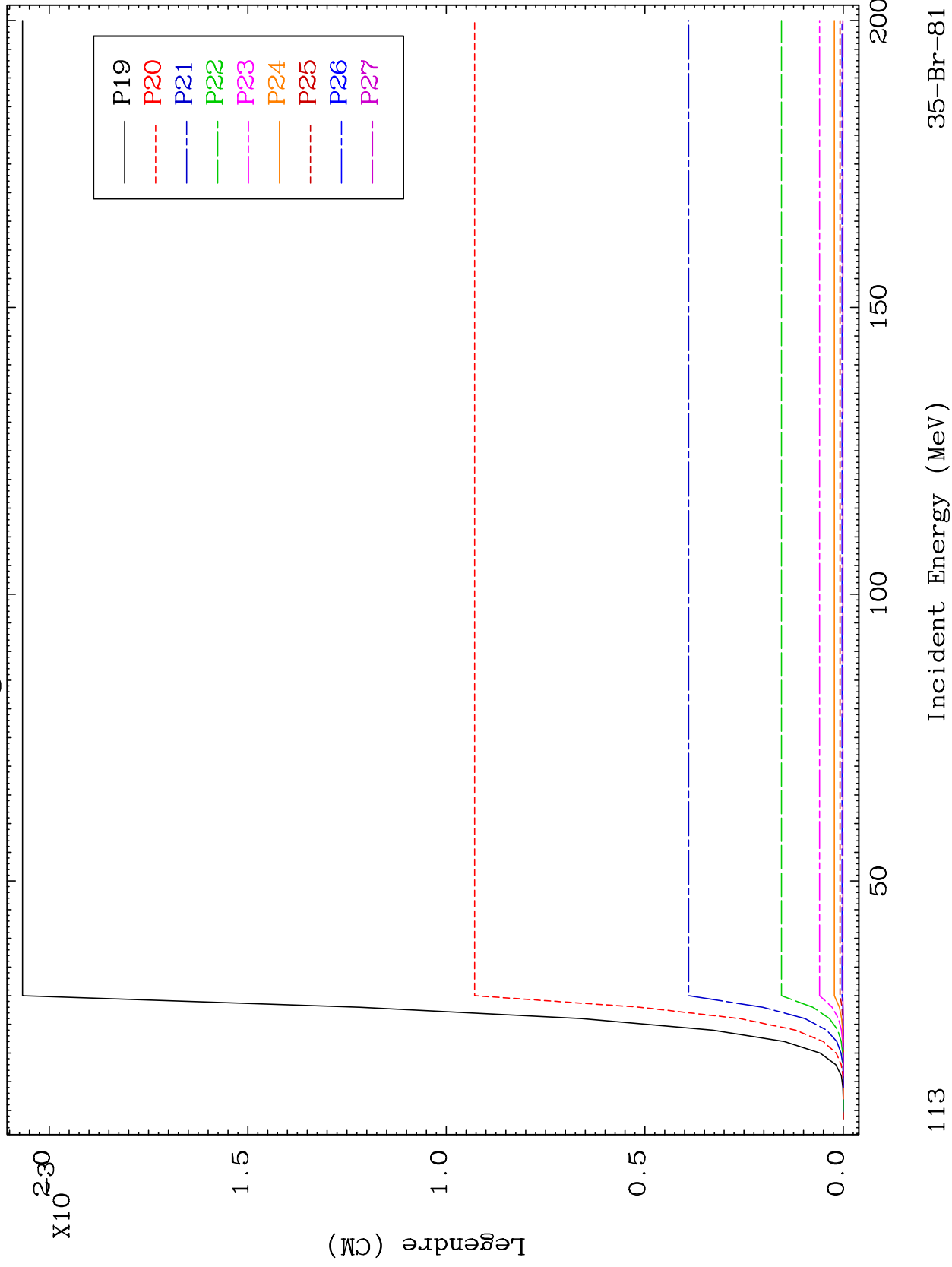
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 75 (n,n') Level
Legendre Coefficients

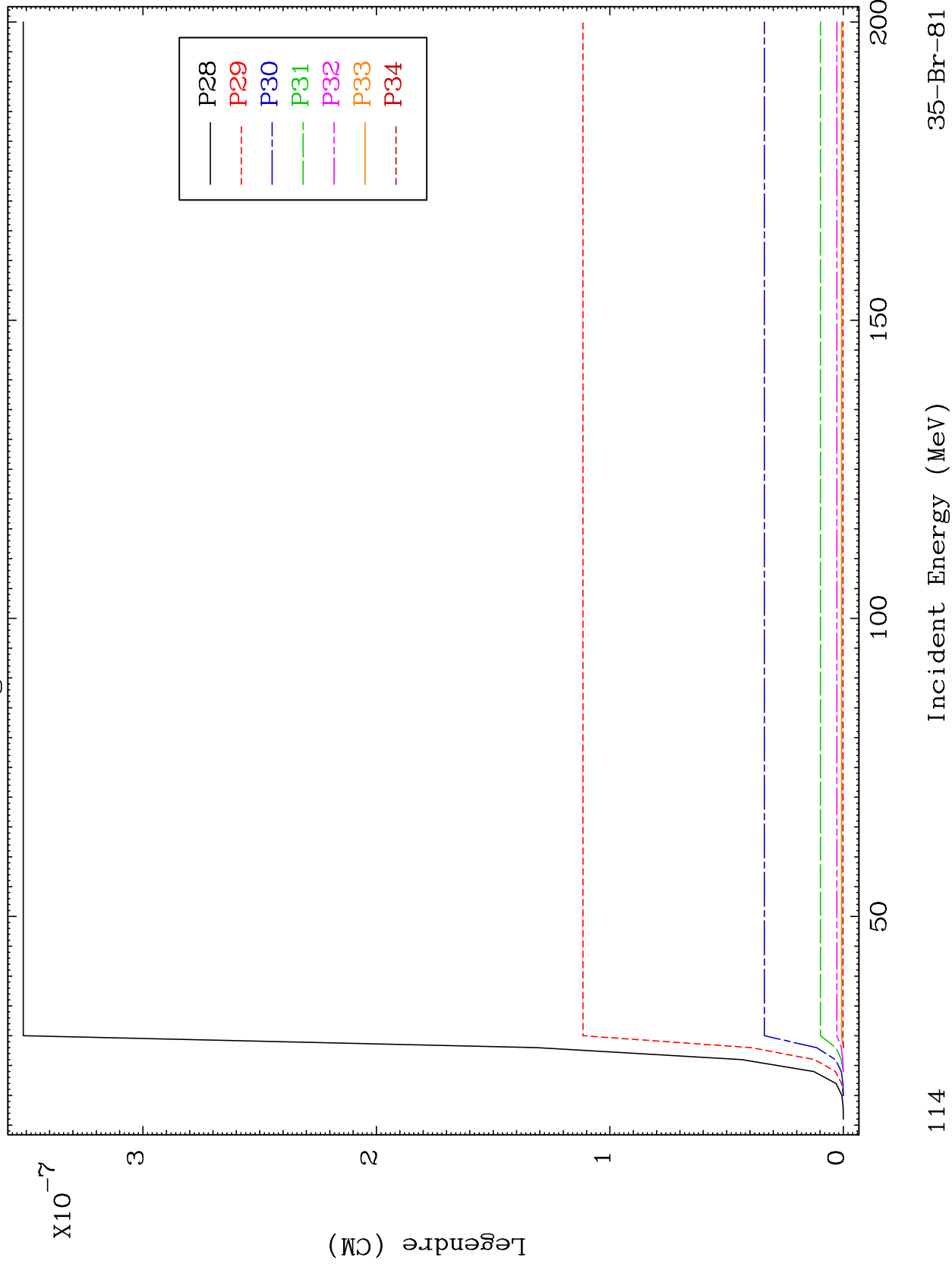
35-Br-81



MAT 3531

MT= 75 (n,n') Level
Legendre Coefficients

35-Br-81



114

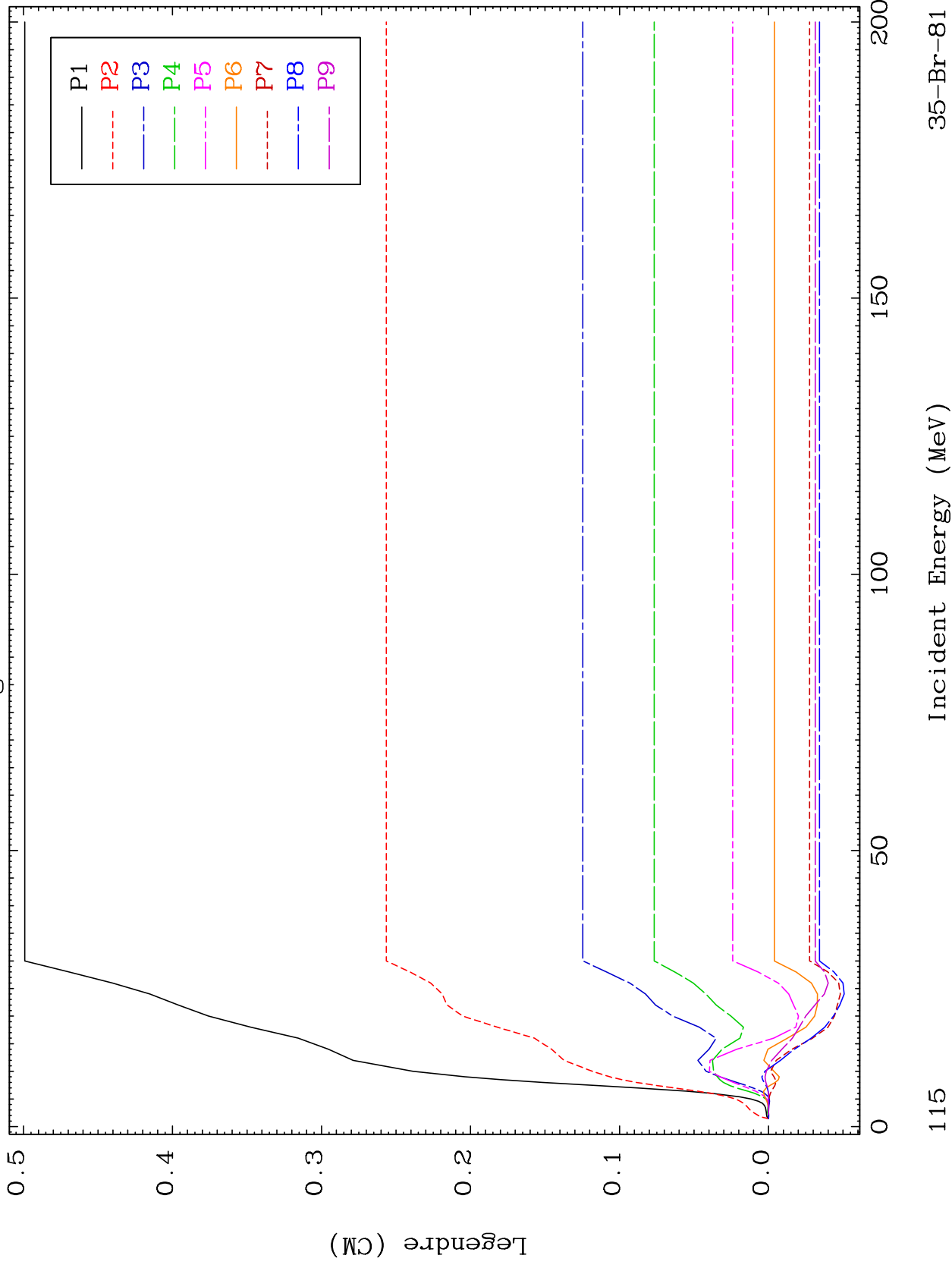
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 76 (n,n') Level
Legendre Coefficients

35-Br-81



115

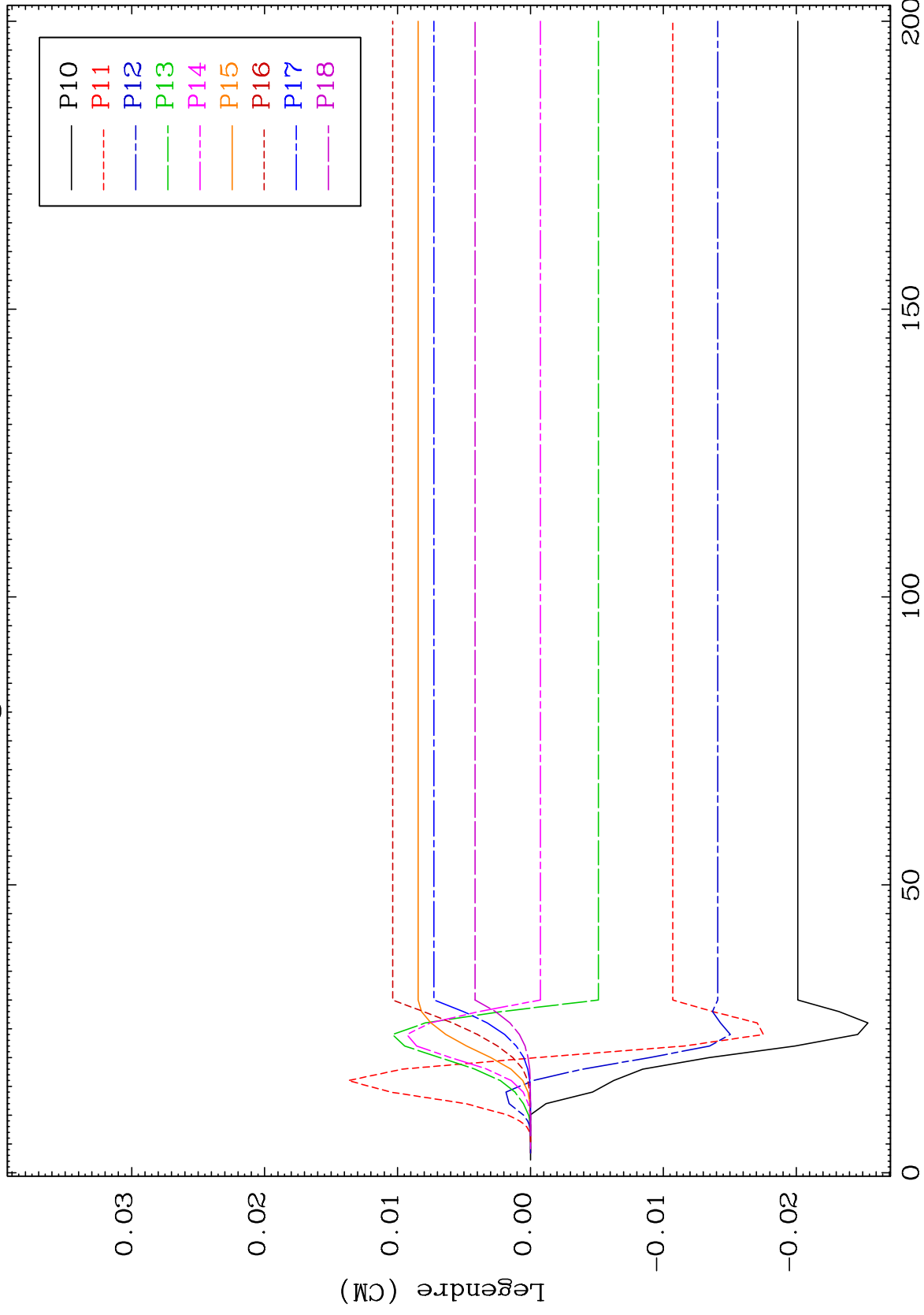
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 76 (n,n') Level
Legendre Coefficients

35-Br-81



116

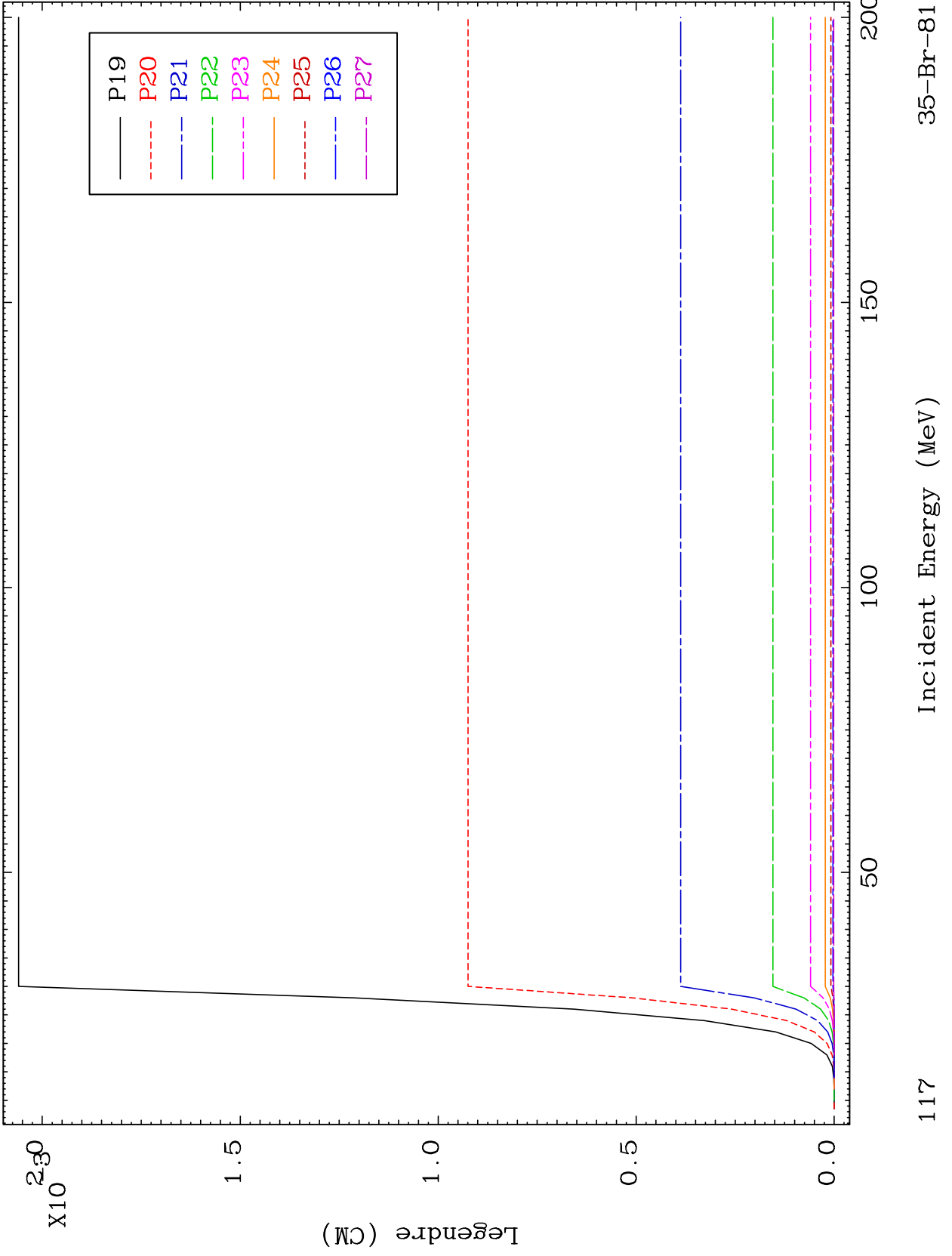
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 76 (n,n') Level
Legendre Coefficients

35-Br-81



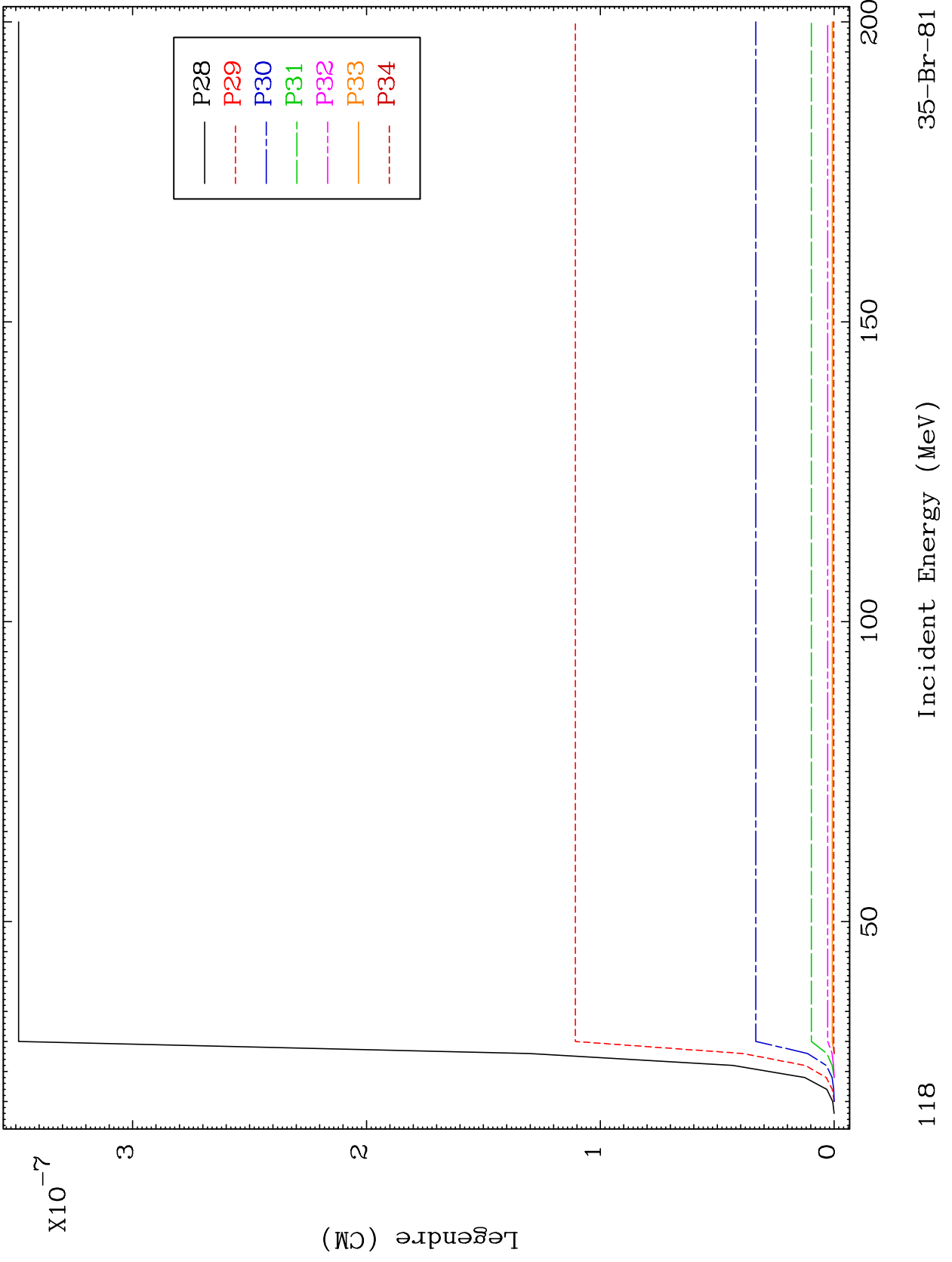
117

35-Br-81

MAT 3531

MT= 76 (n,n') Level
Legendre Coefficients

35-Br-81

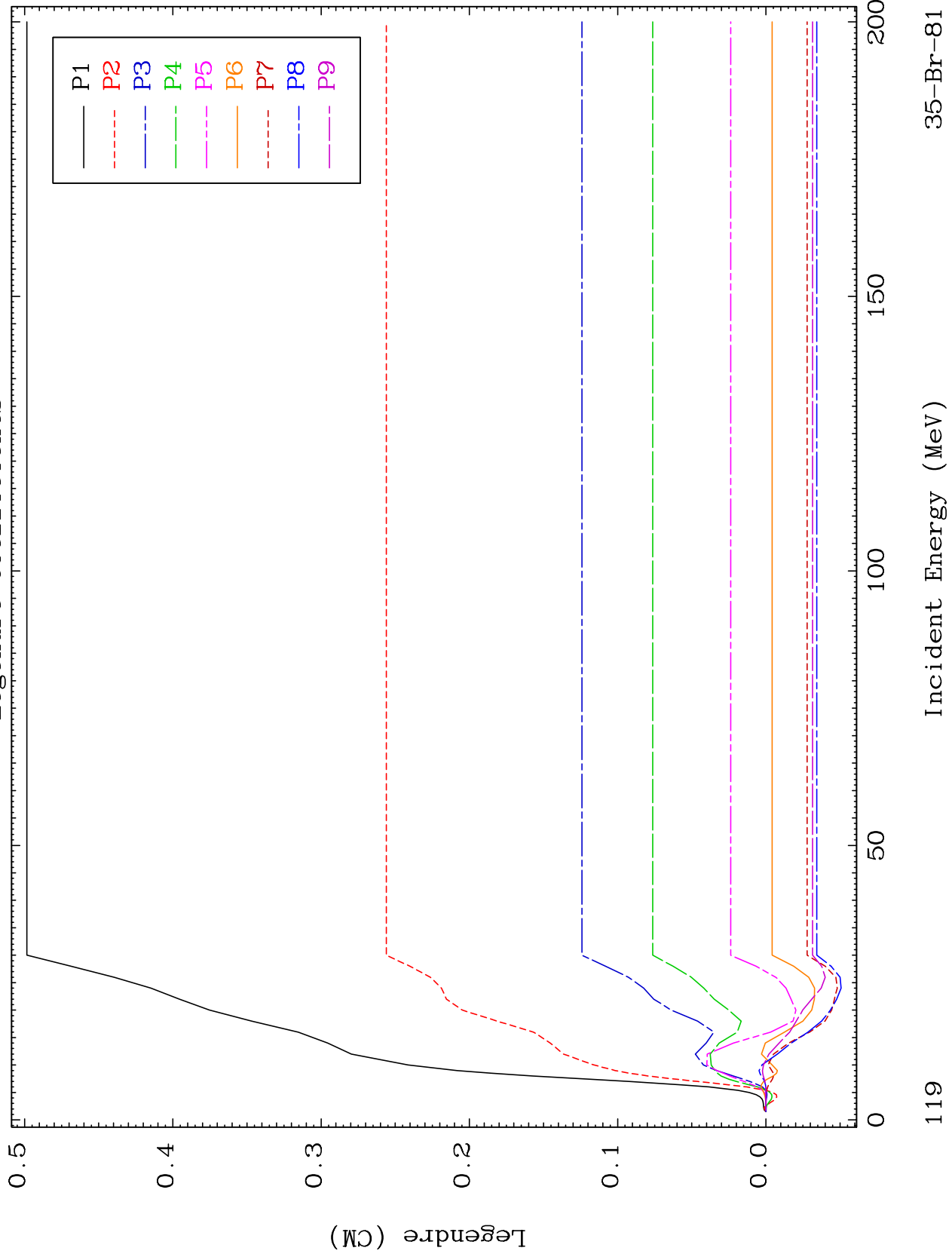


118

MAT 3531

MT= 77 (n,n') Level
Legendre Coefficients

35-Br-81



119

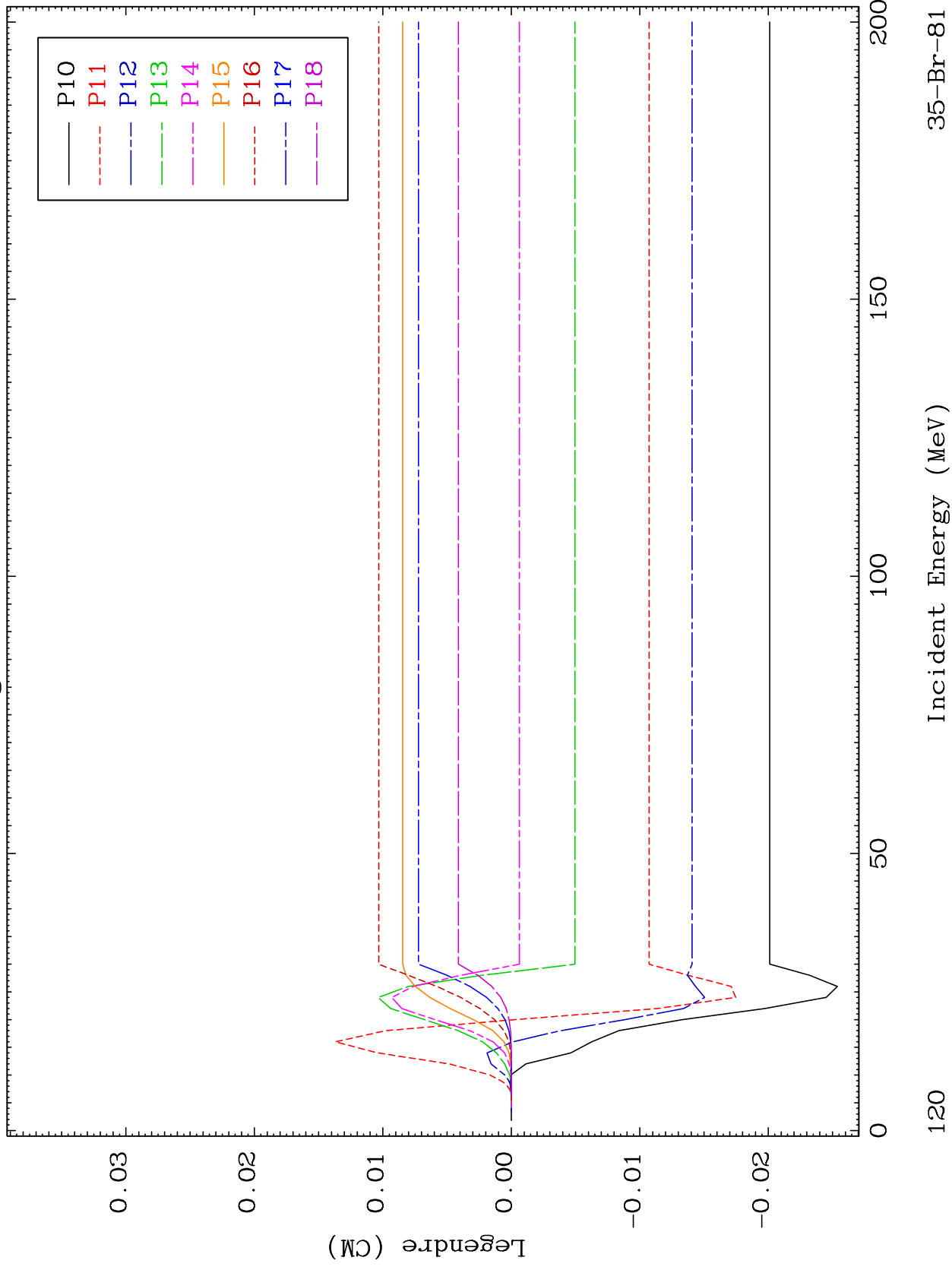
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 77 (n,n') Level
Legendre Coefficients

35-Br-81



35-Br-81

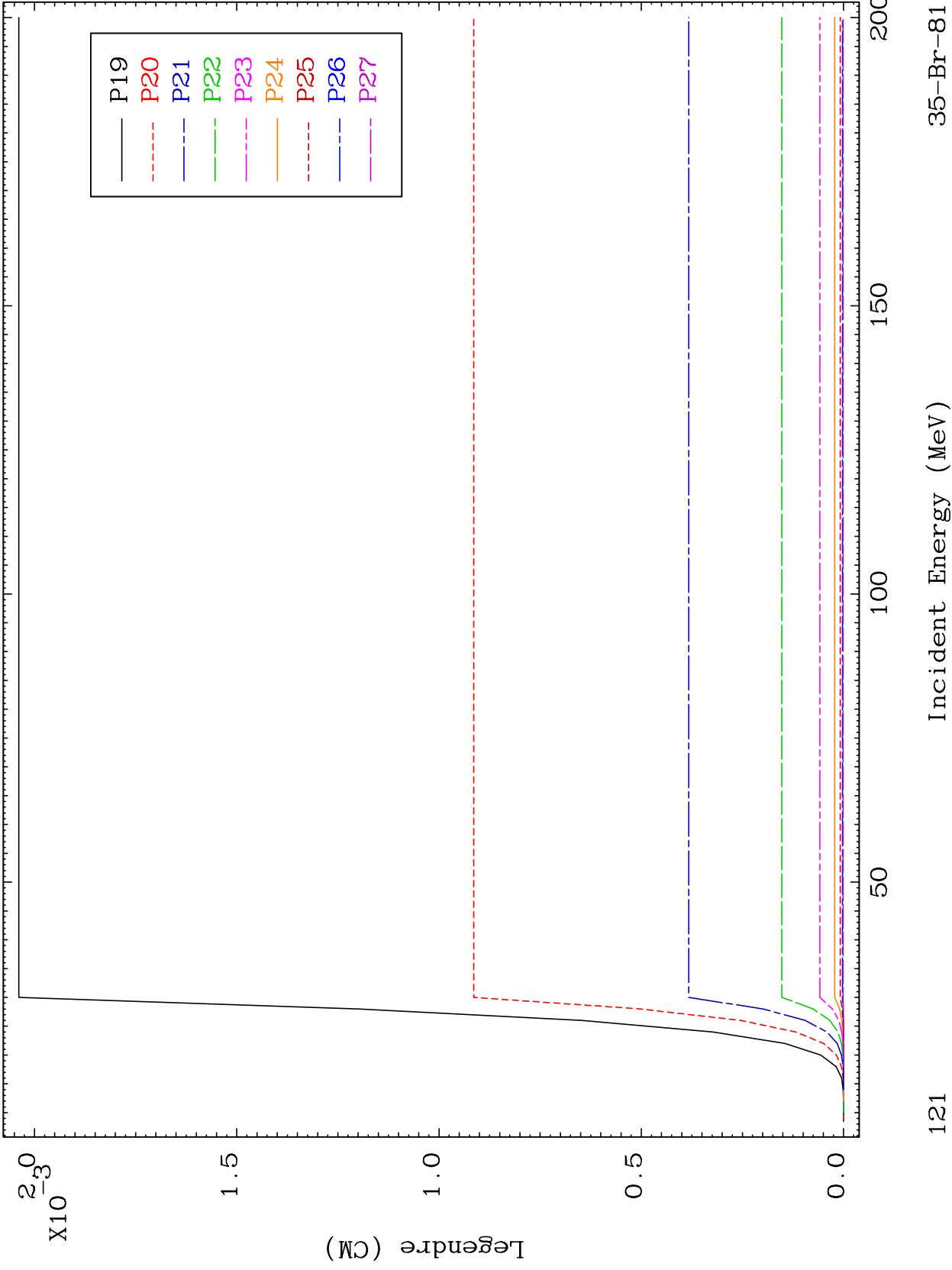
Incident Energy (MeV)

120

MAT 3531

MT= 77 (n,n') Level
Legendre Coefficients

35-Br-81



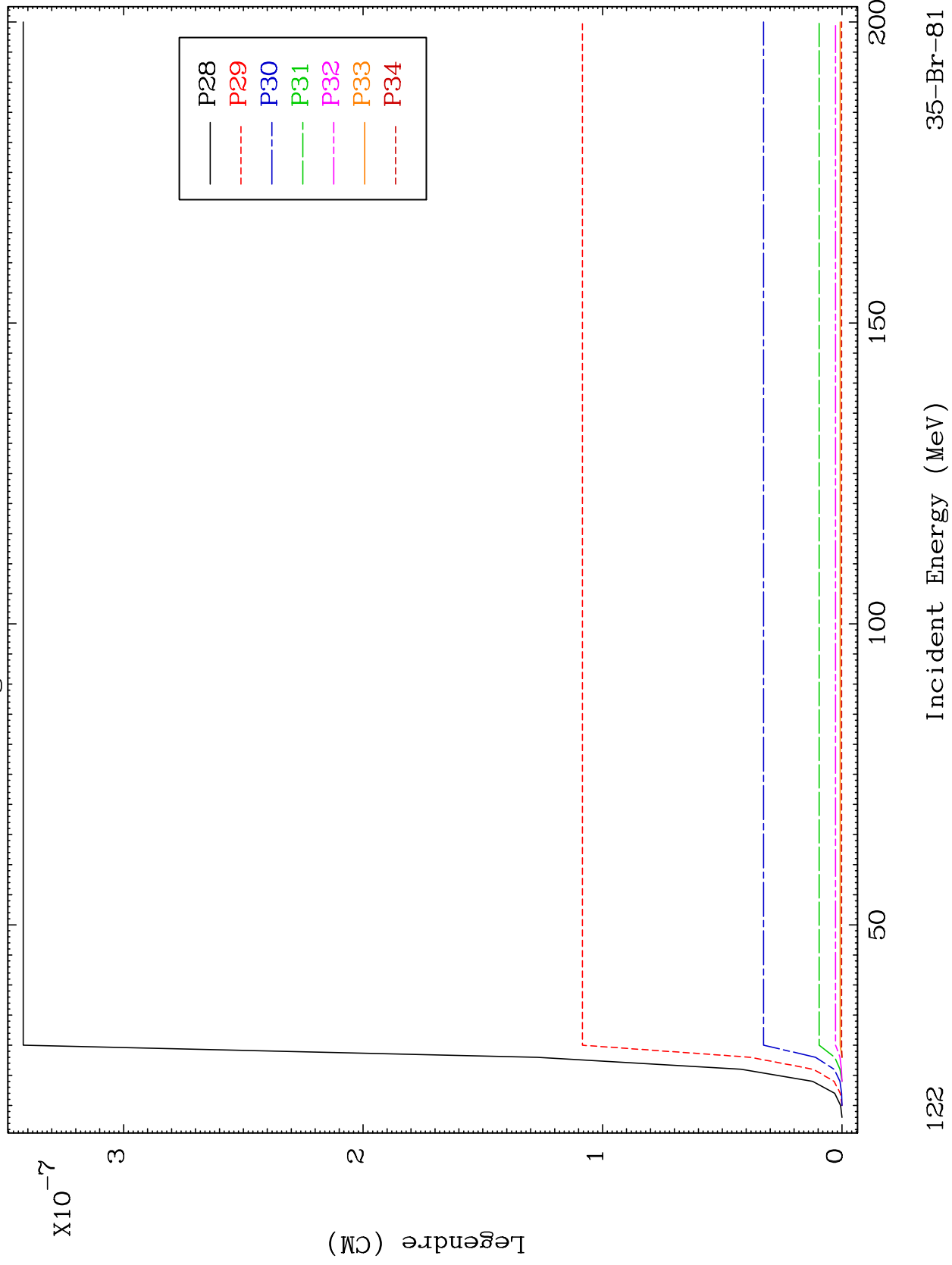
121

35-Br-81

MAT 3531

MT= 77 (n,n') Level
Legendre Coefficients

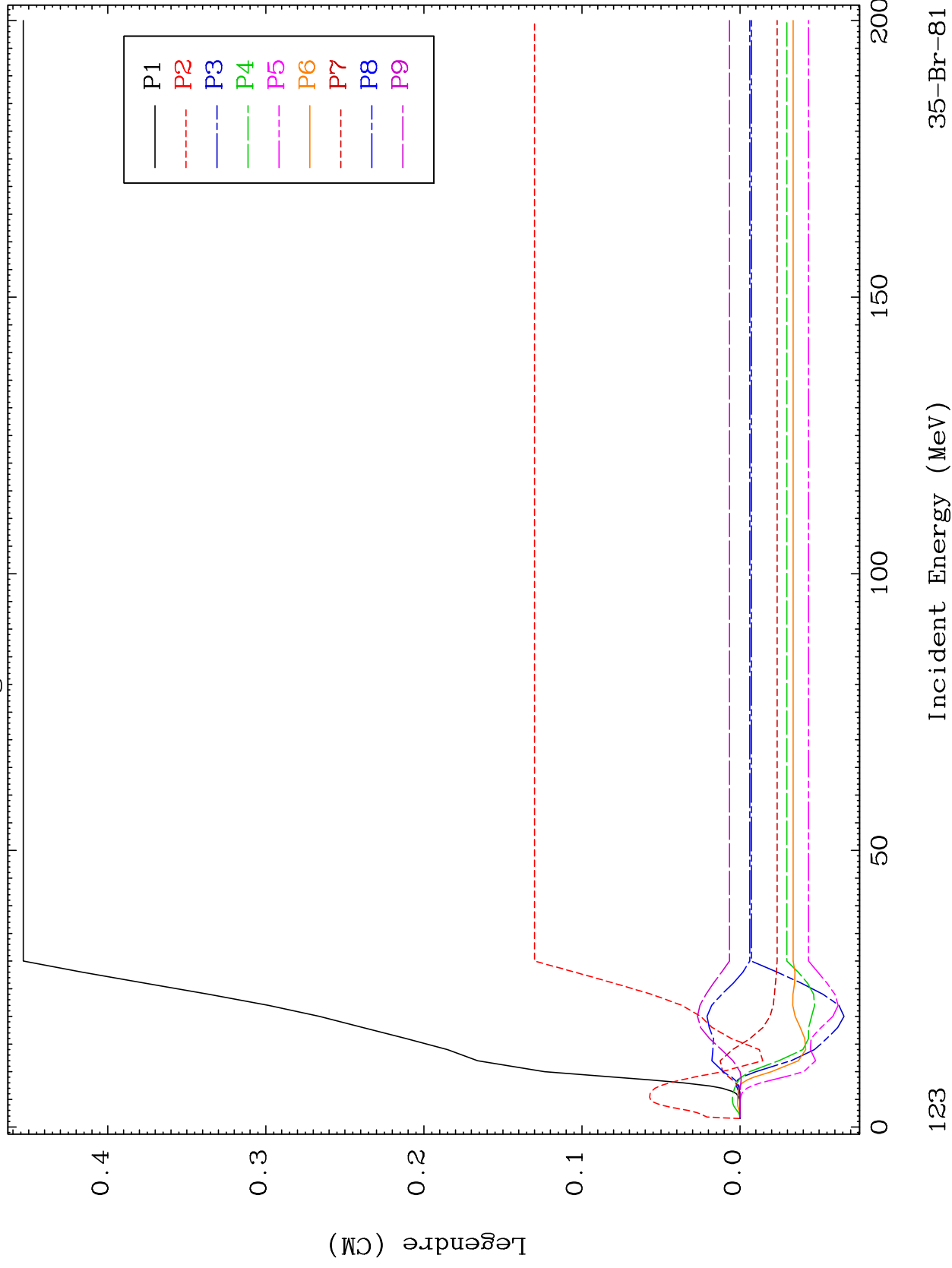
35-Br-81



MAT 3531

MT= 78 (n,n') Level
Legendre Coefficients

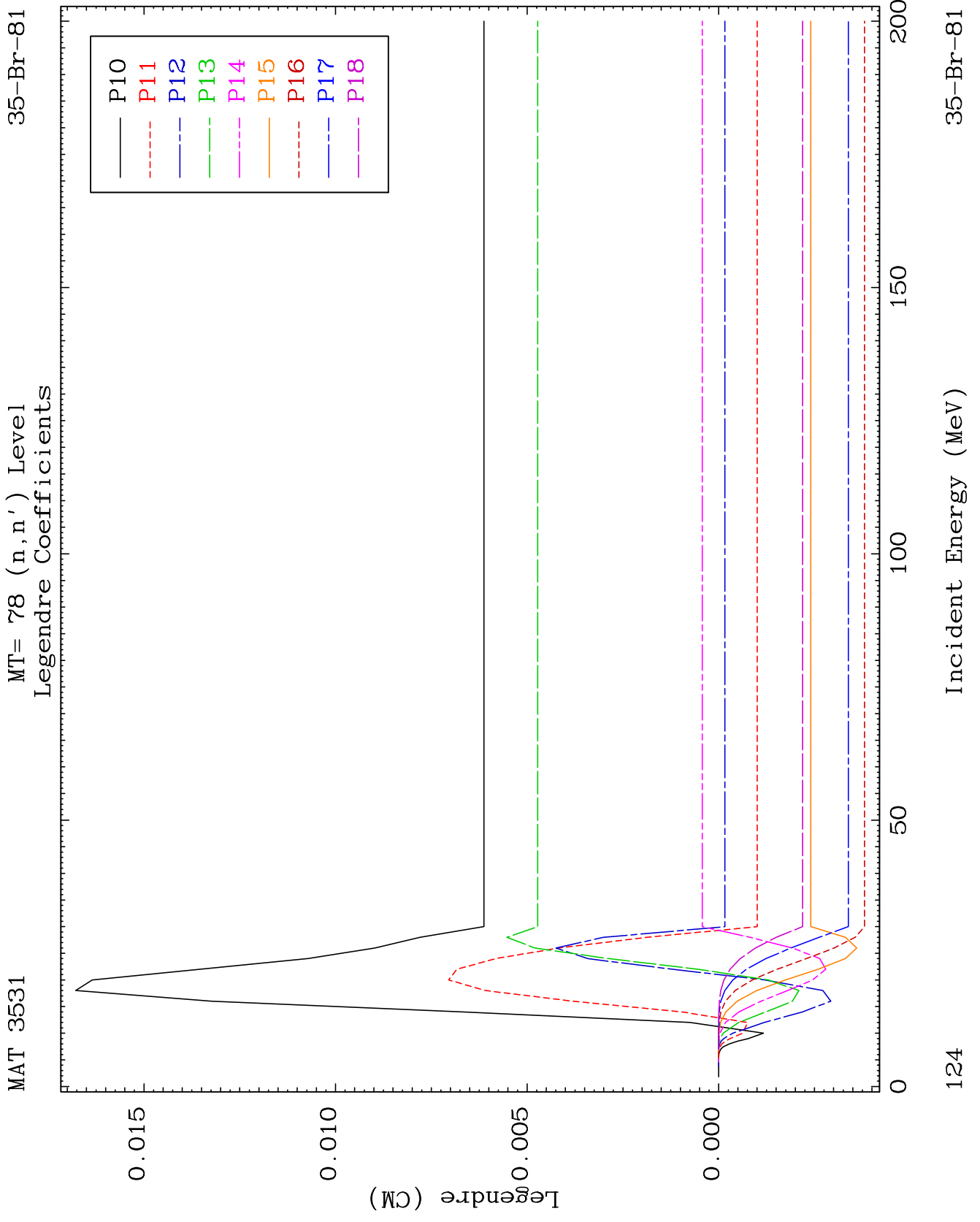
35-Br-81

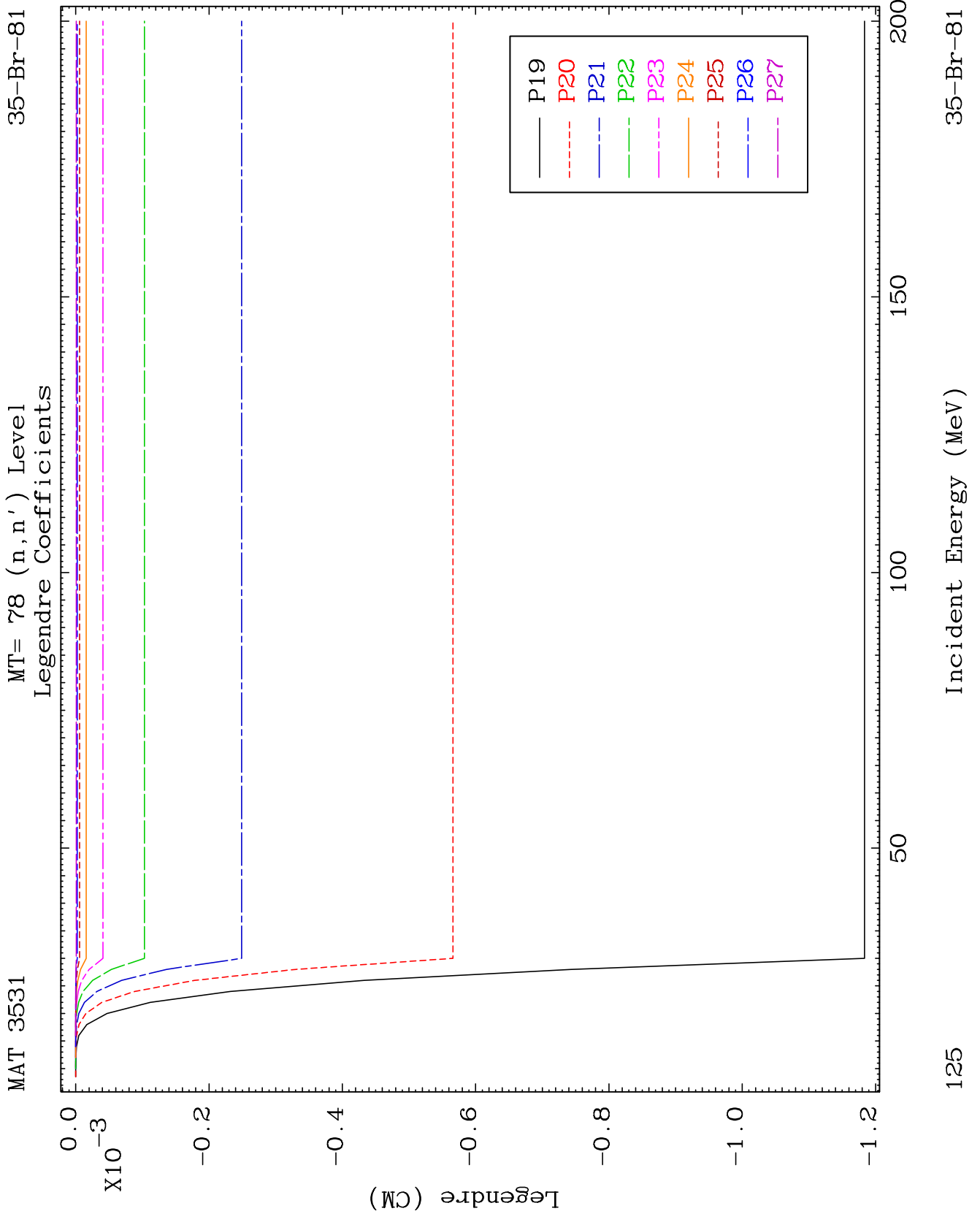


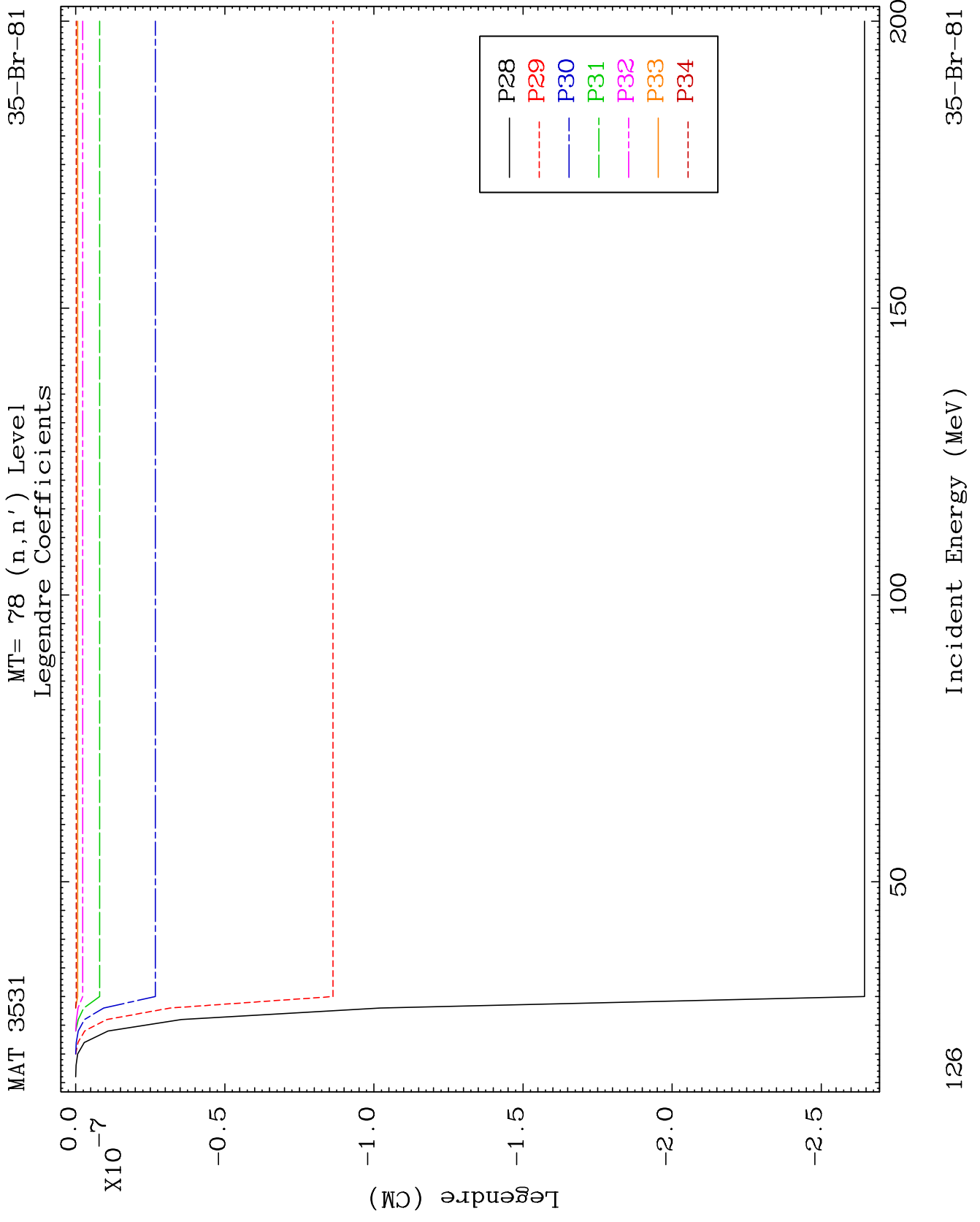
35-Br-81

Incident Energy (MeV)

123



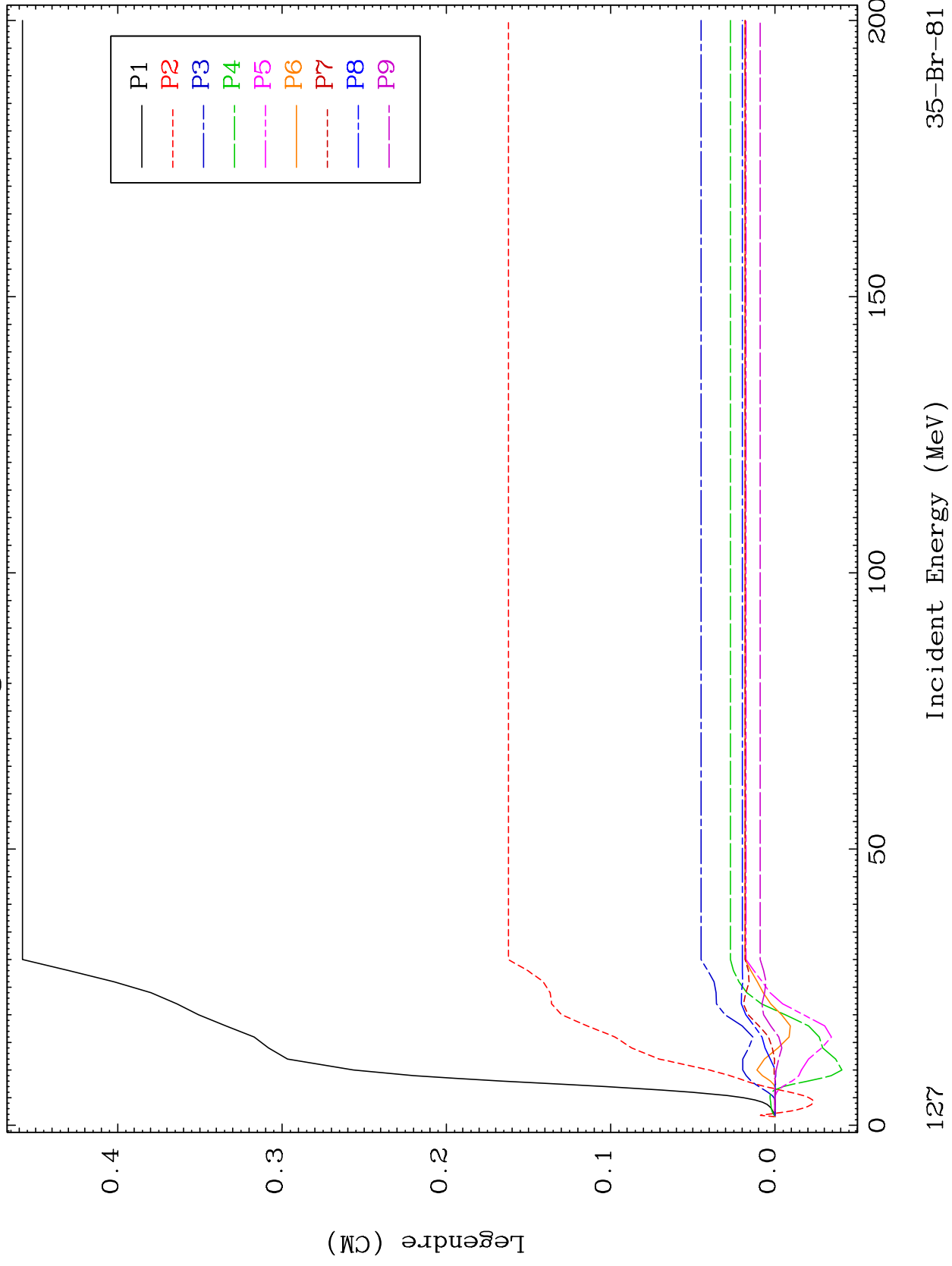




MAT 3531

MT= 79 (n,n') Level
Legendre Coefficients

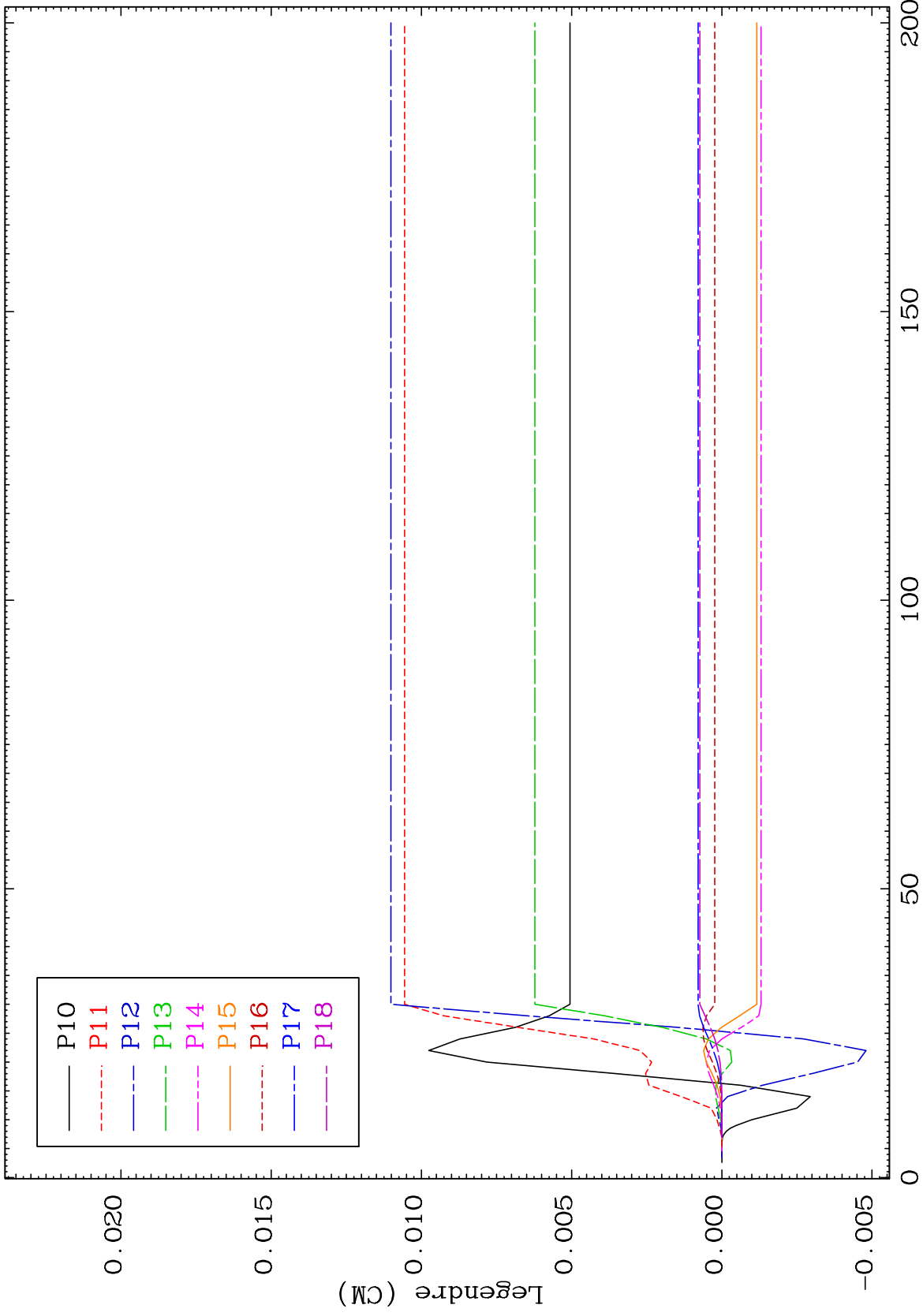
35-Br-81



35-Br-81

Incident Energy (MeV)

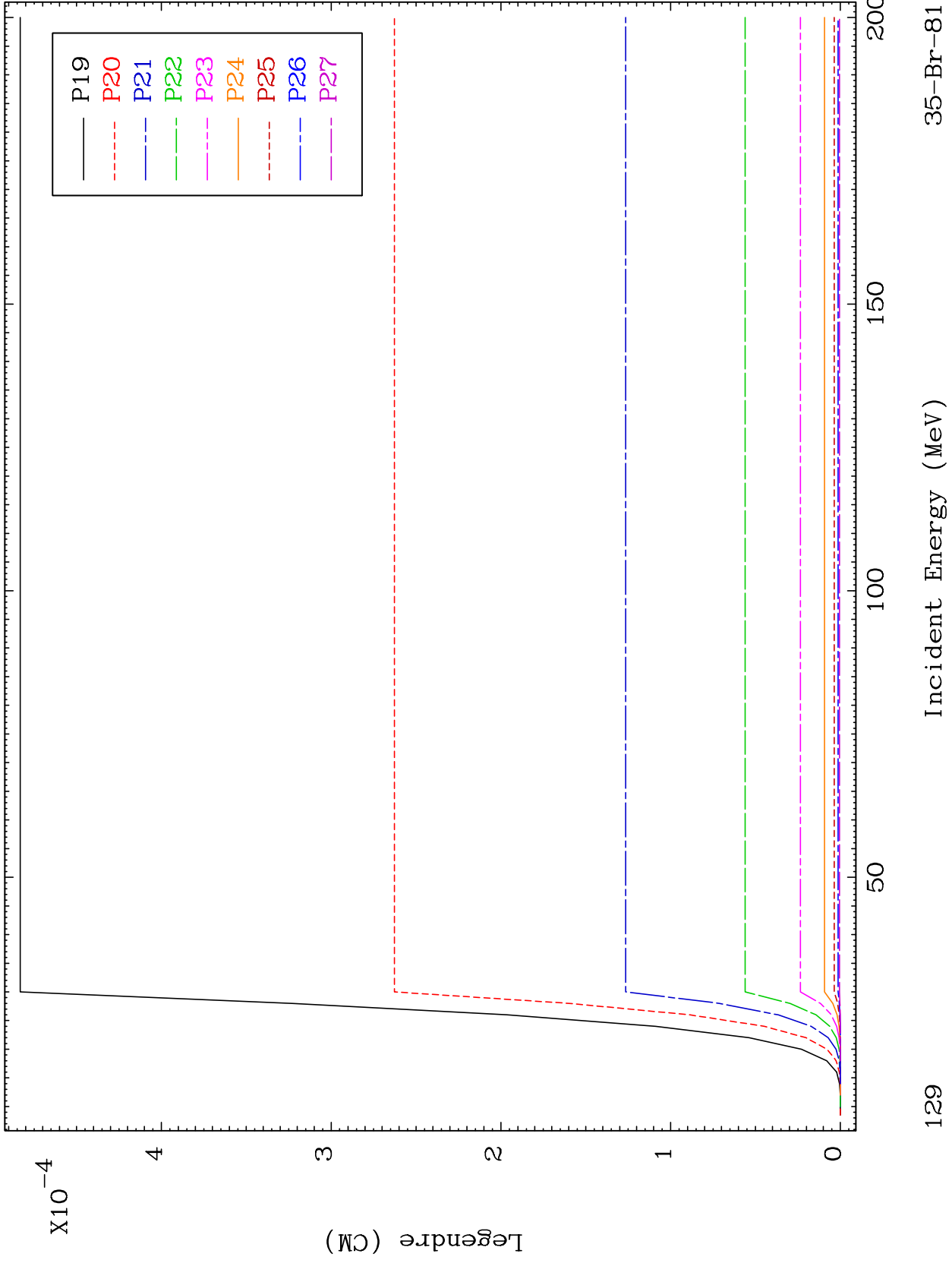
127



MAT 3531

MT= 79 (n,n') Level
Legendre Coefficients

35-Br-81



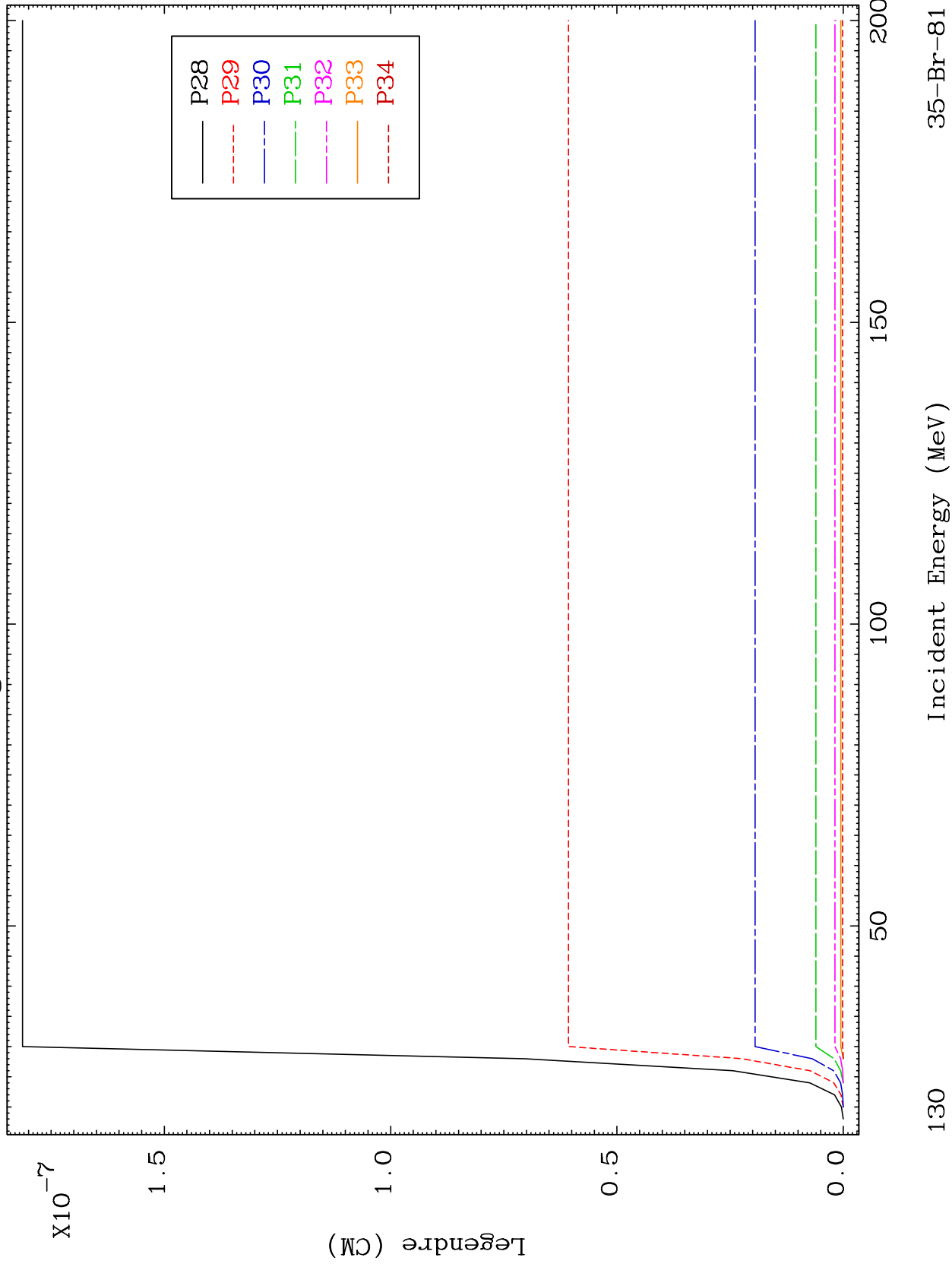
129

35-Br-81

MAT 3531

MT= 79 (n,n') Level
Legendre Coefficients

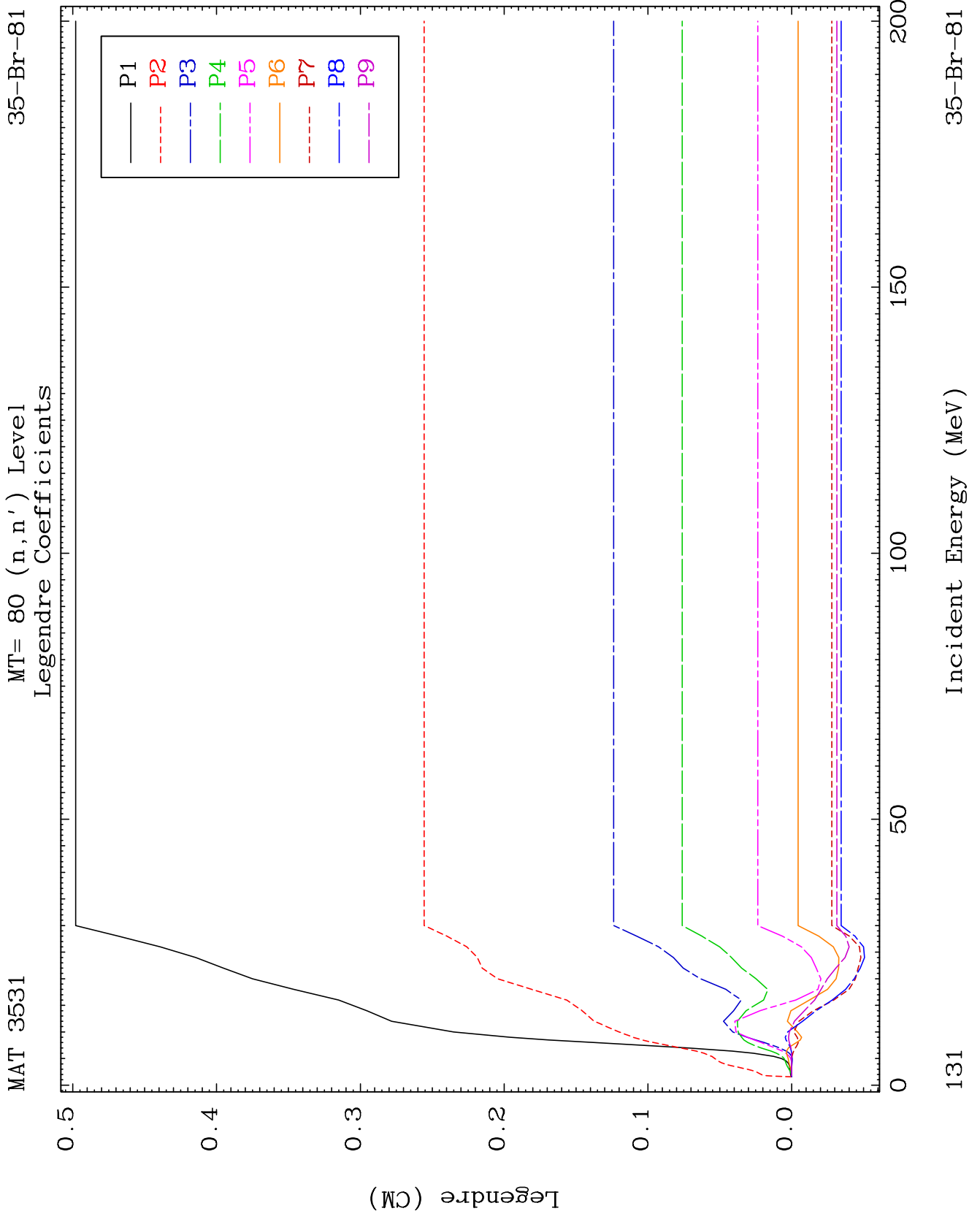
35-Br-81



130

Incident Energy (MeV)

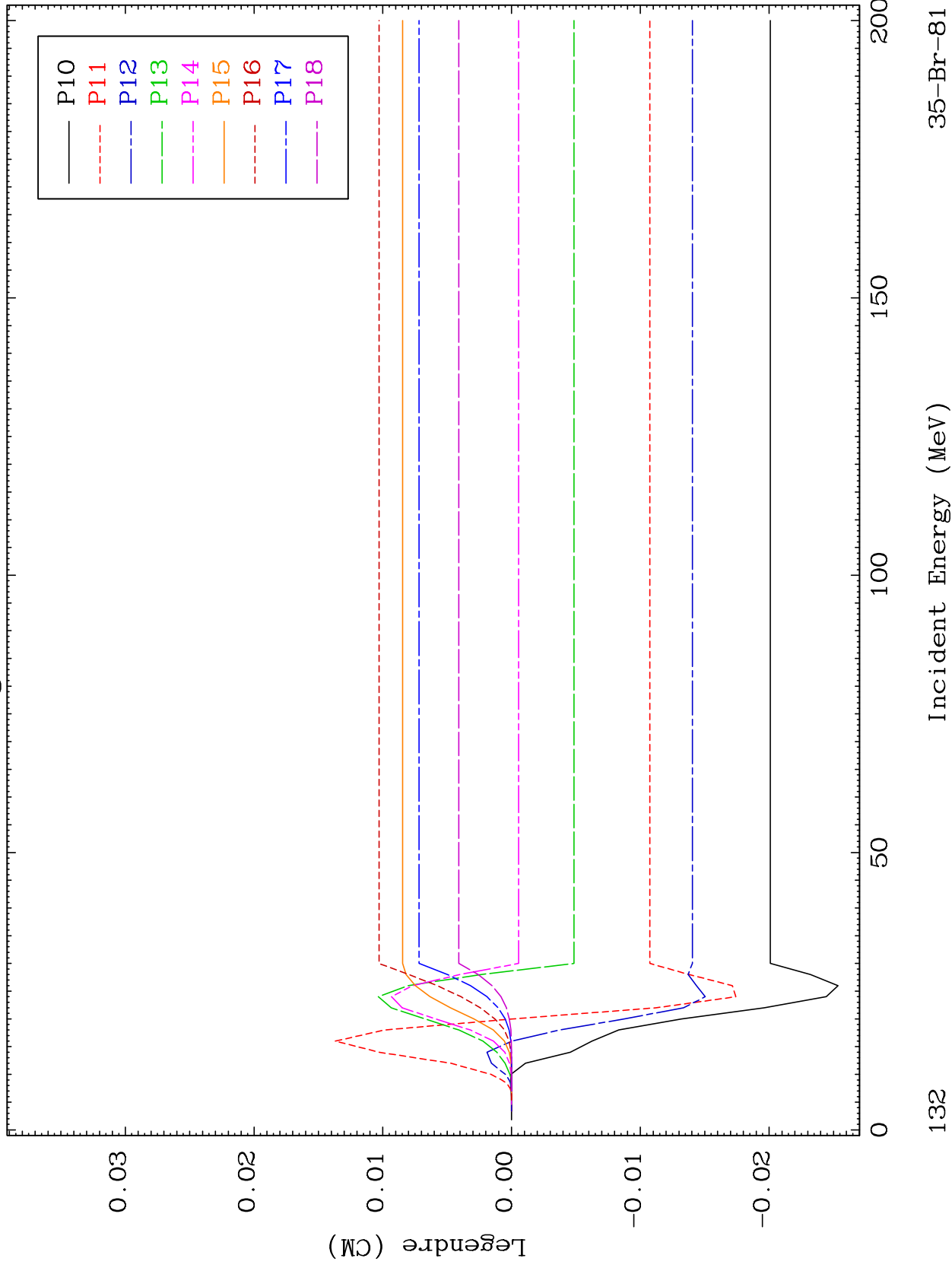
35-Br-81



MAT 3531

MT= 80 (n,n') Level
Legendre Coefficients

35-Br-81



132

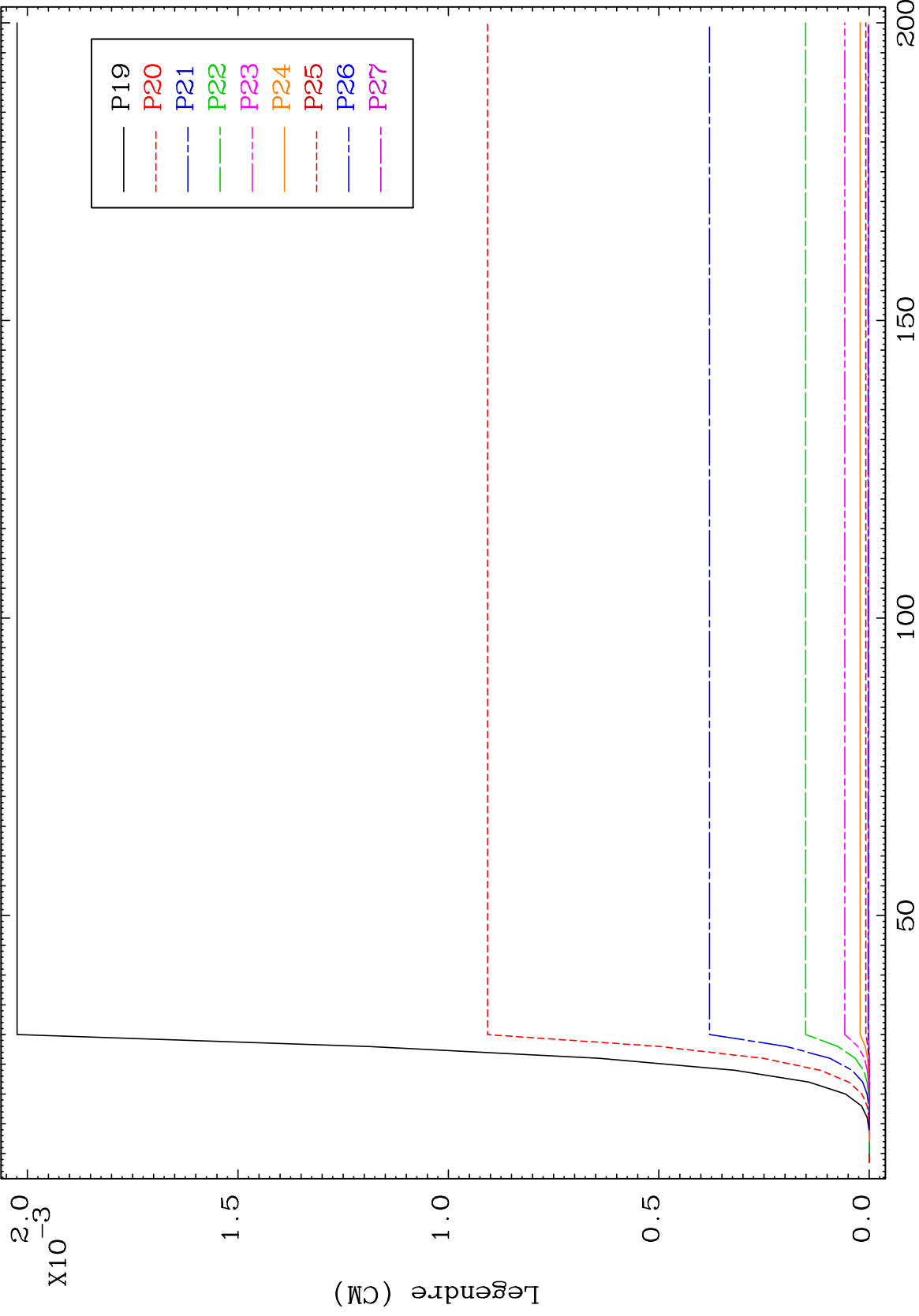
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 80 (n,n') Level
Legendre Coefficients

35-Br-81



133

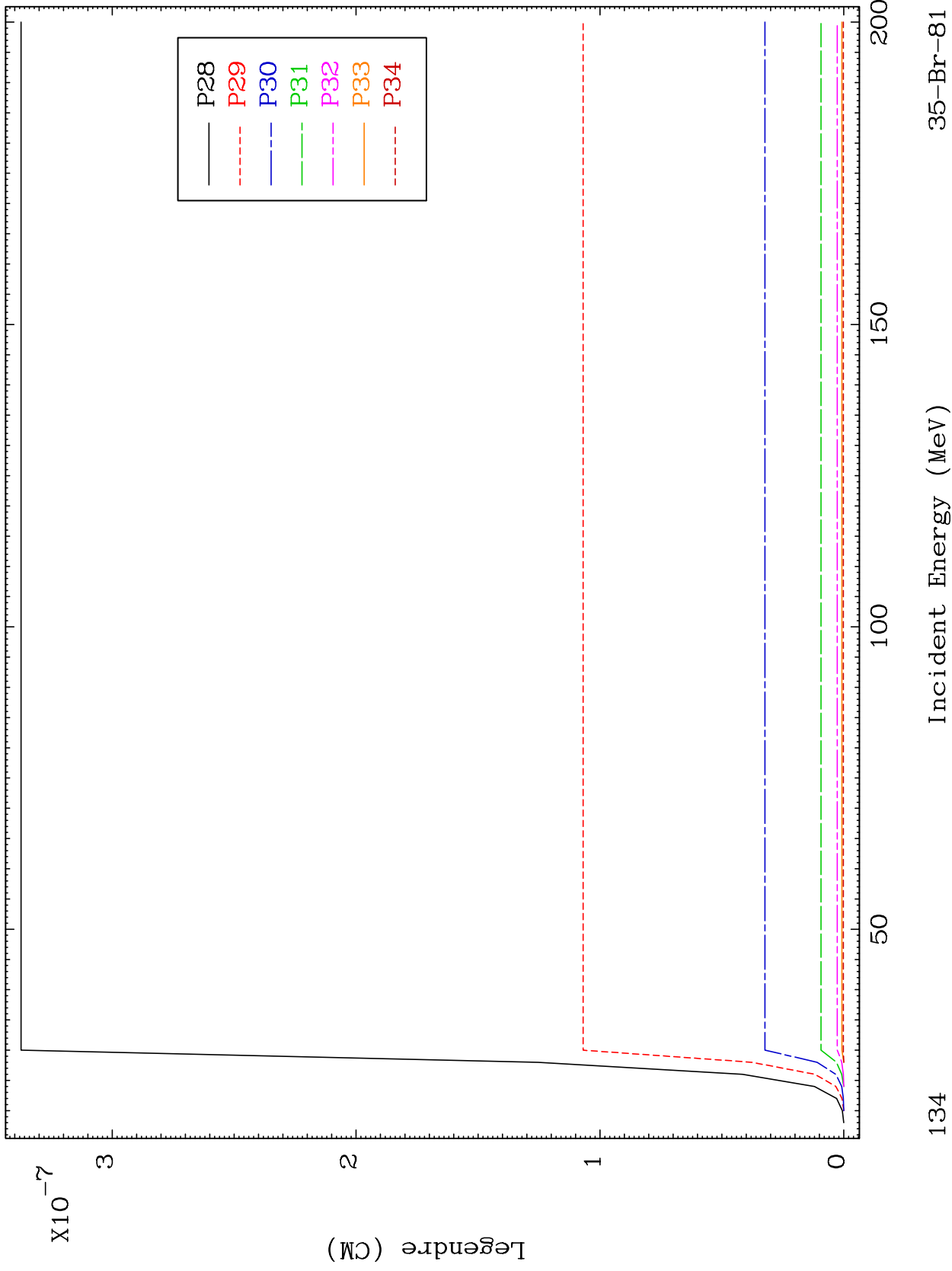
Incident Energy (MeV)

35-Br-81

MAT 3531

MT= 80 (n,n') Level
Legendre Coefficients

35-Br-81



134

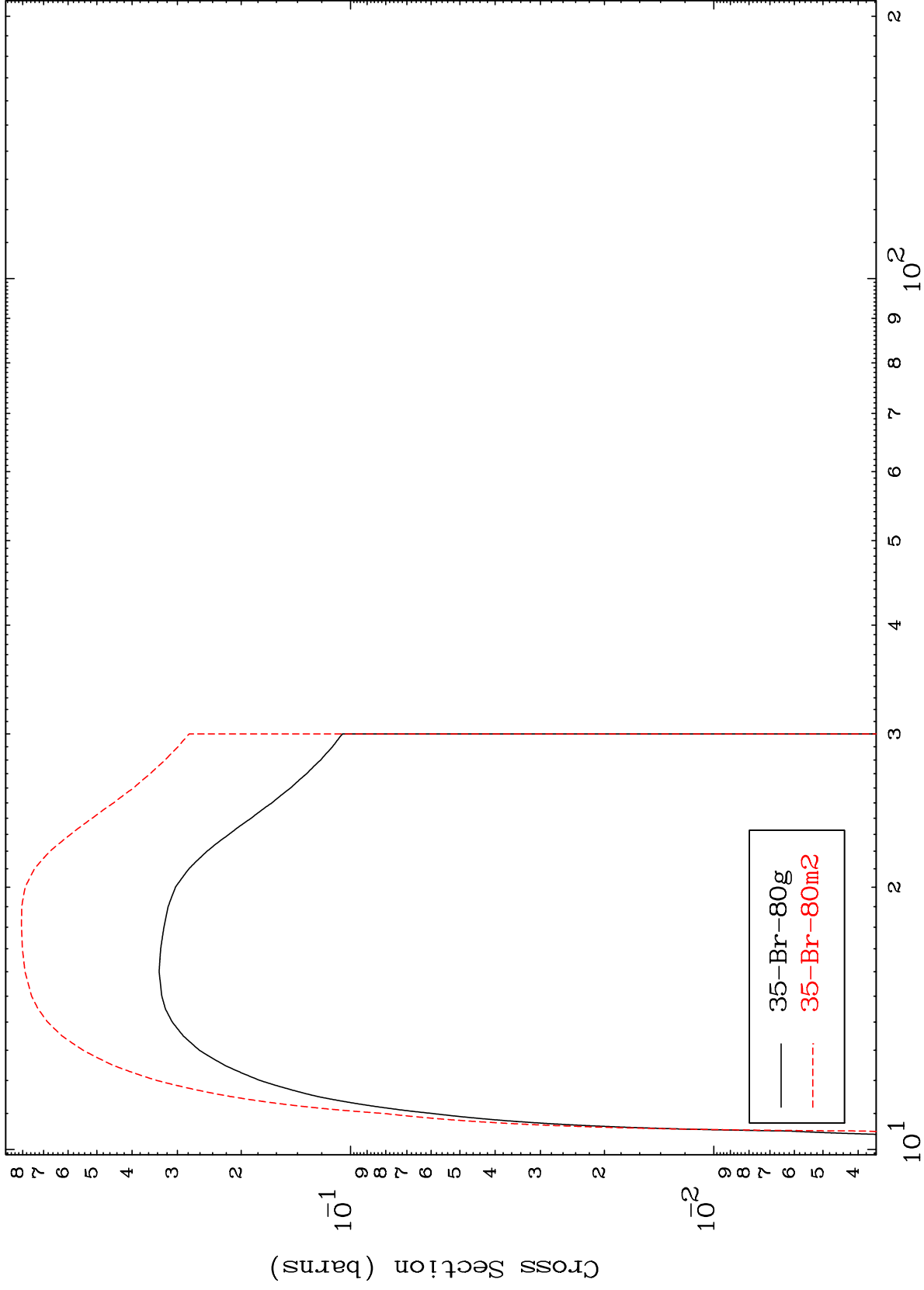
Incident Energy (MeV)

35-Br-81

MAT 3531

³⁵Br-81

Radionuclide Production Cross Section



³⁵Br-81

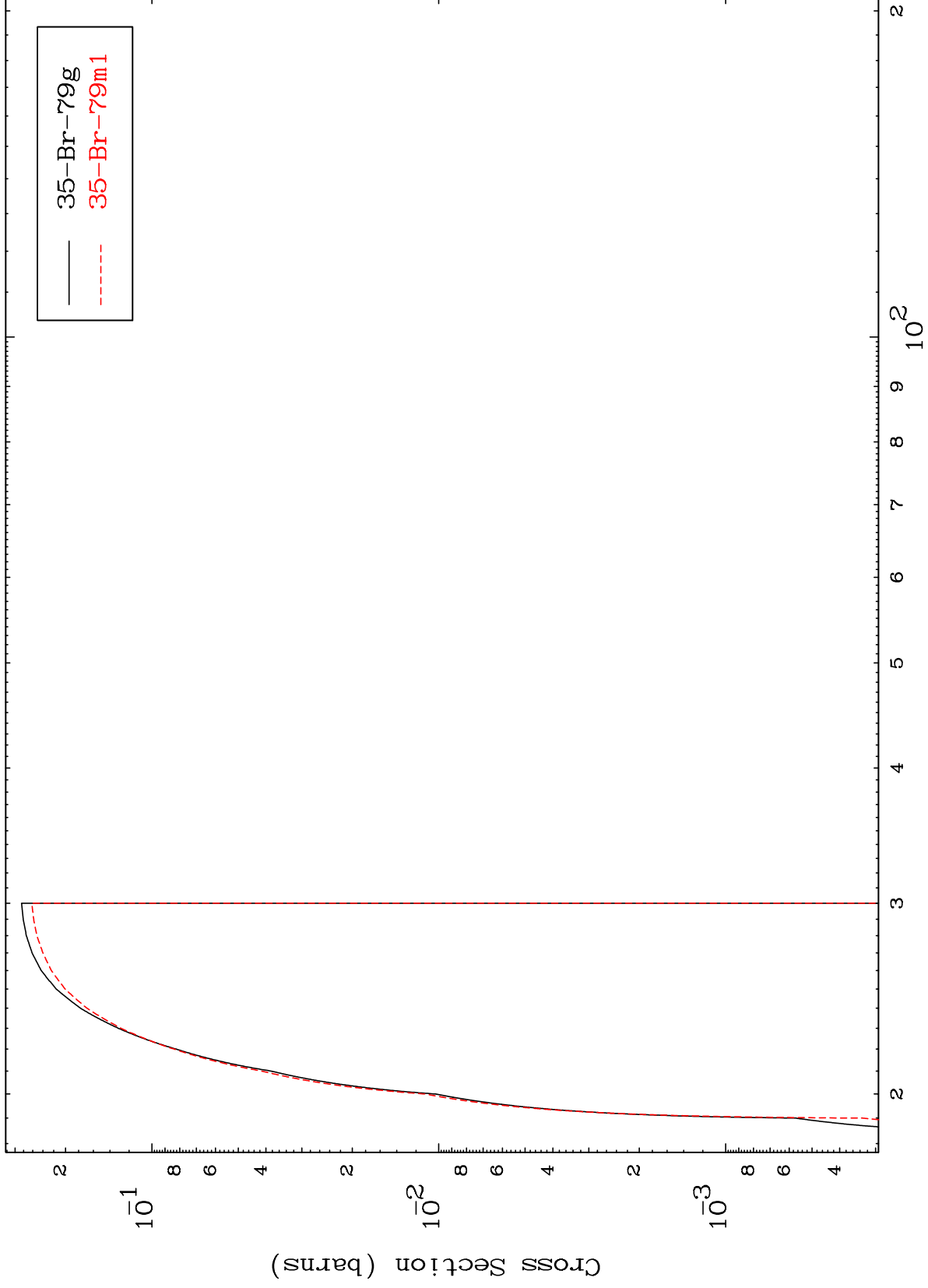
Incident Energy (MeV)

135

MAT 3531

35-Br-81

(n,3n)
Radionuclide Production Cross Section



136

Incident Energy (MeV)

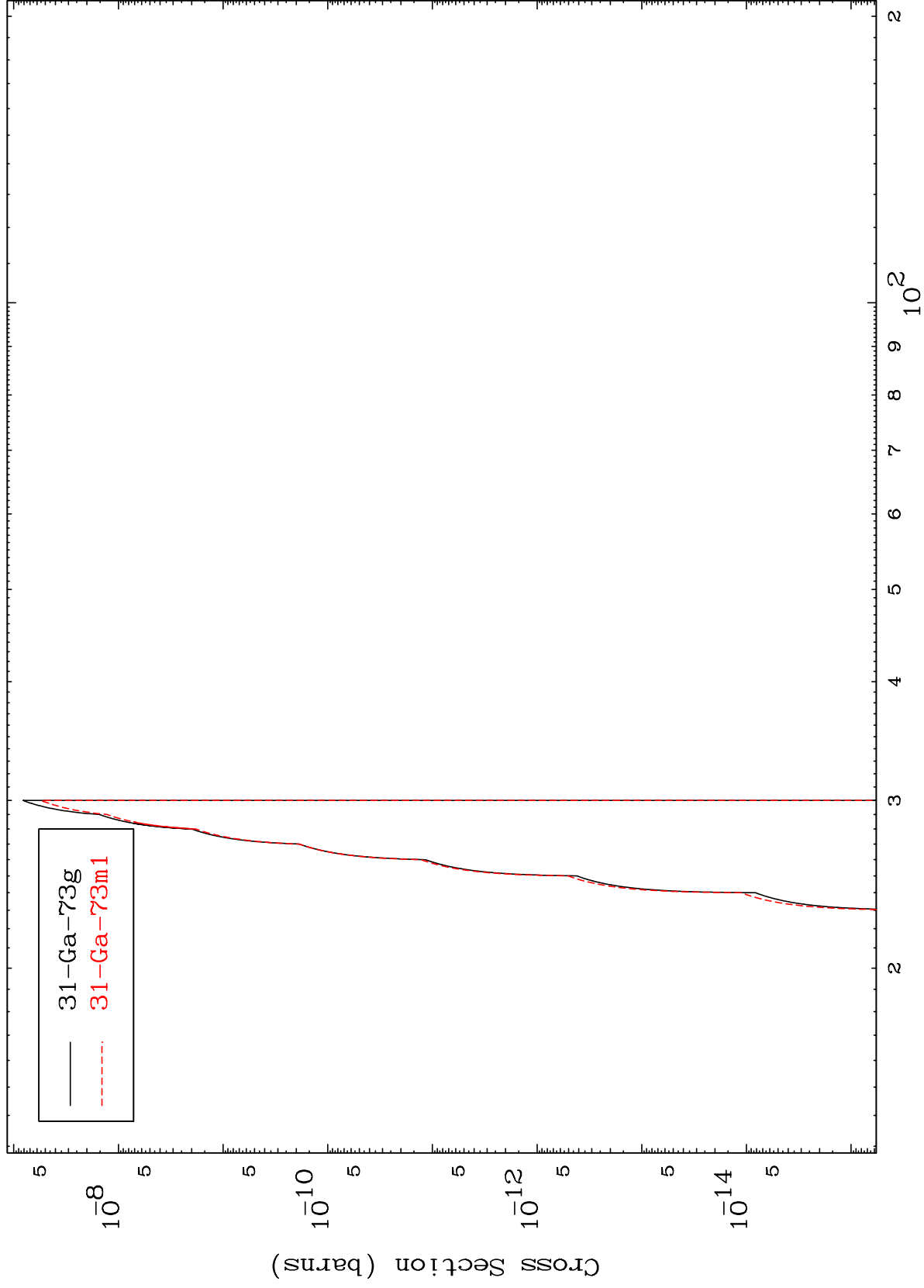
35-Br-81

MAT 3531

(n,n') 2 α

35-Br-81

Radionuclide Production Cross Section

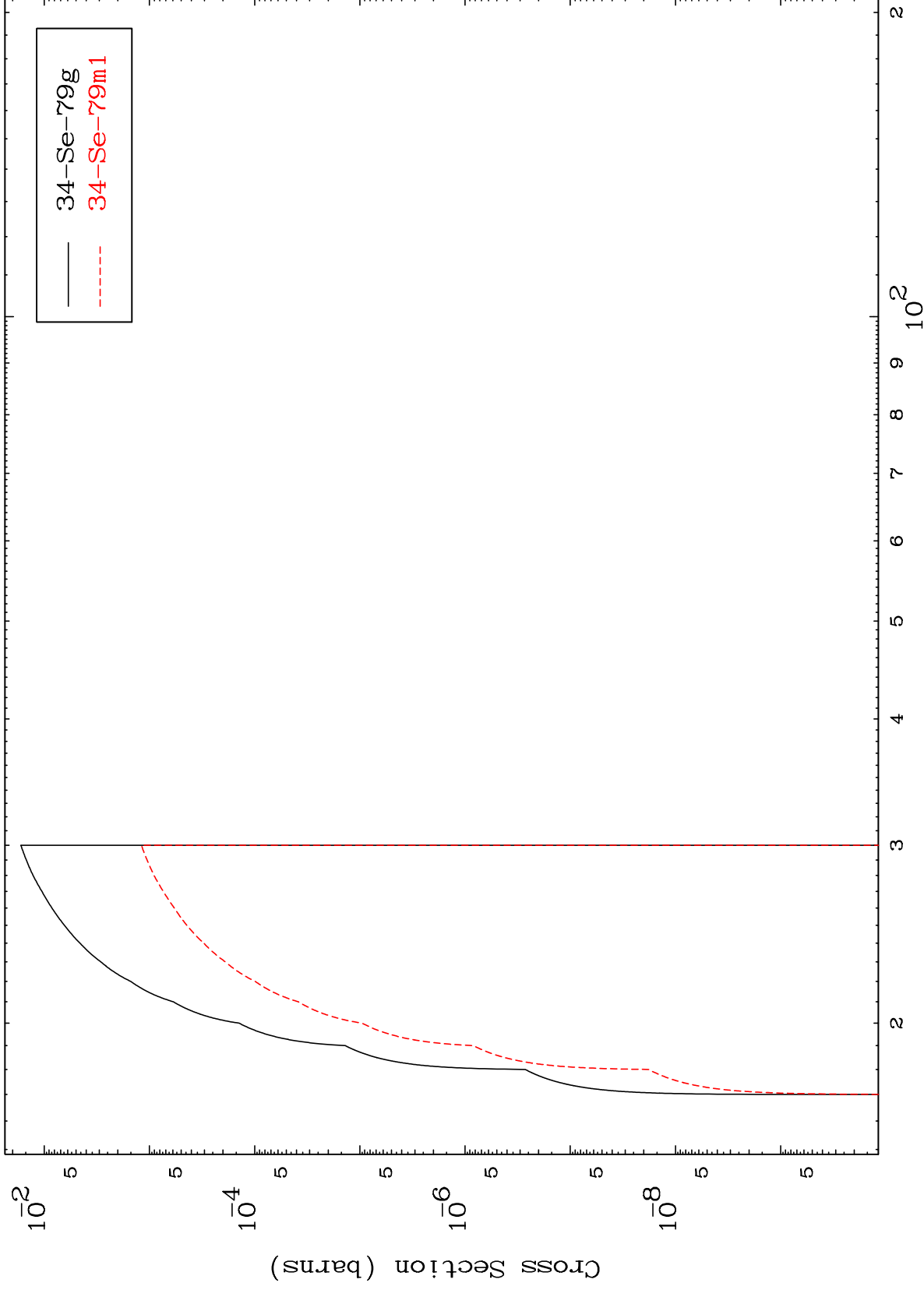


137

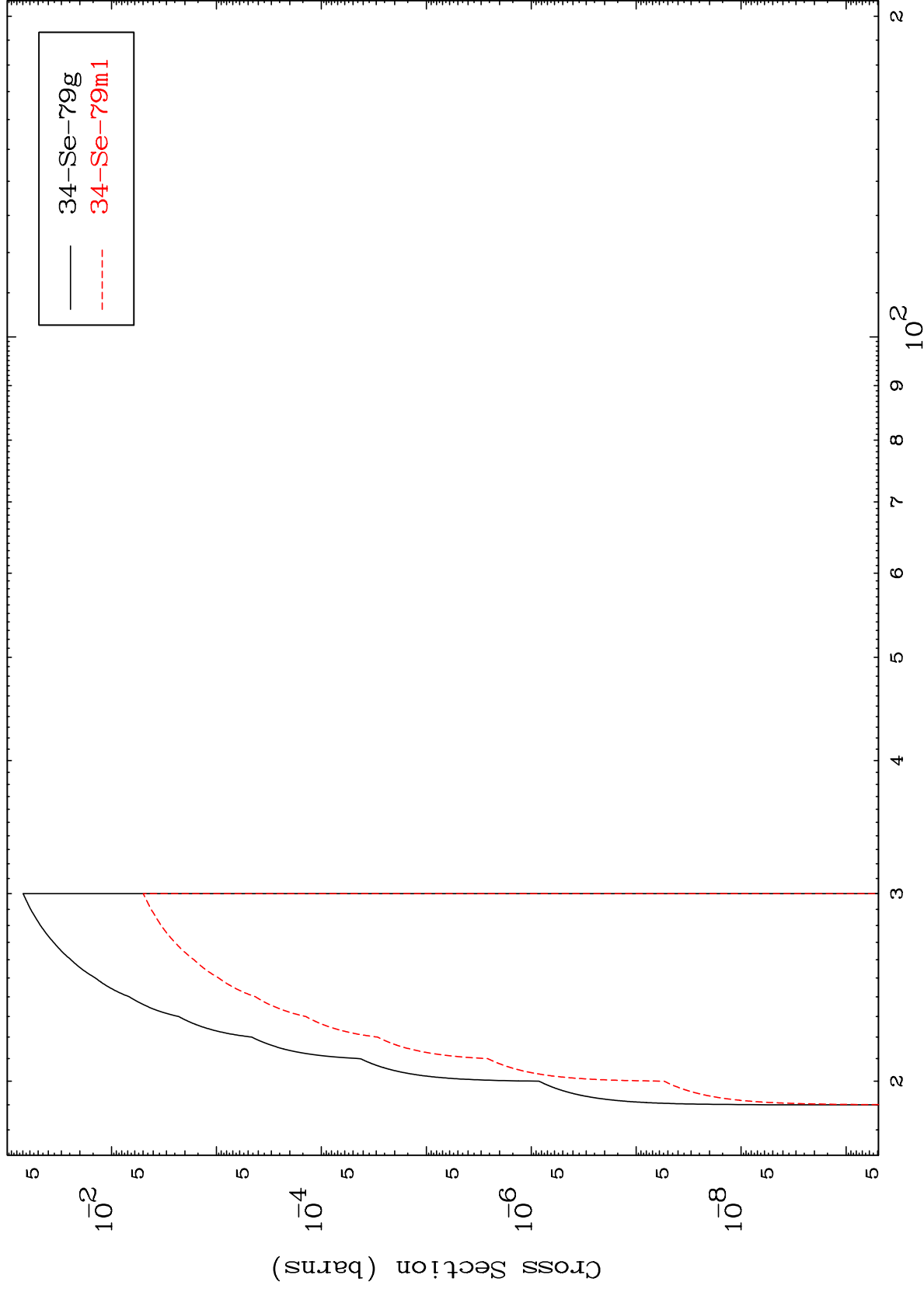
Incident Energy (MeV)

35-Br-81

Radionuclide Production Cross Section



Radionuclide Production Cross Section

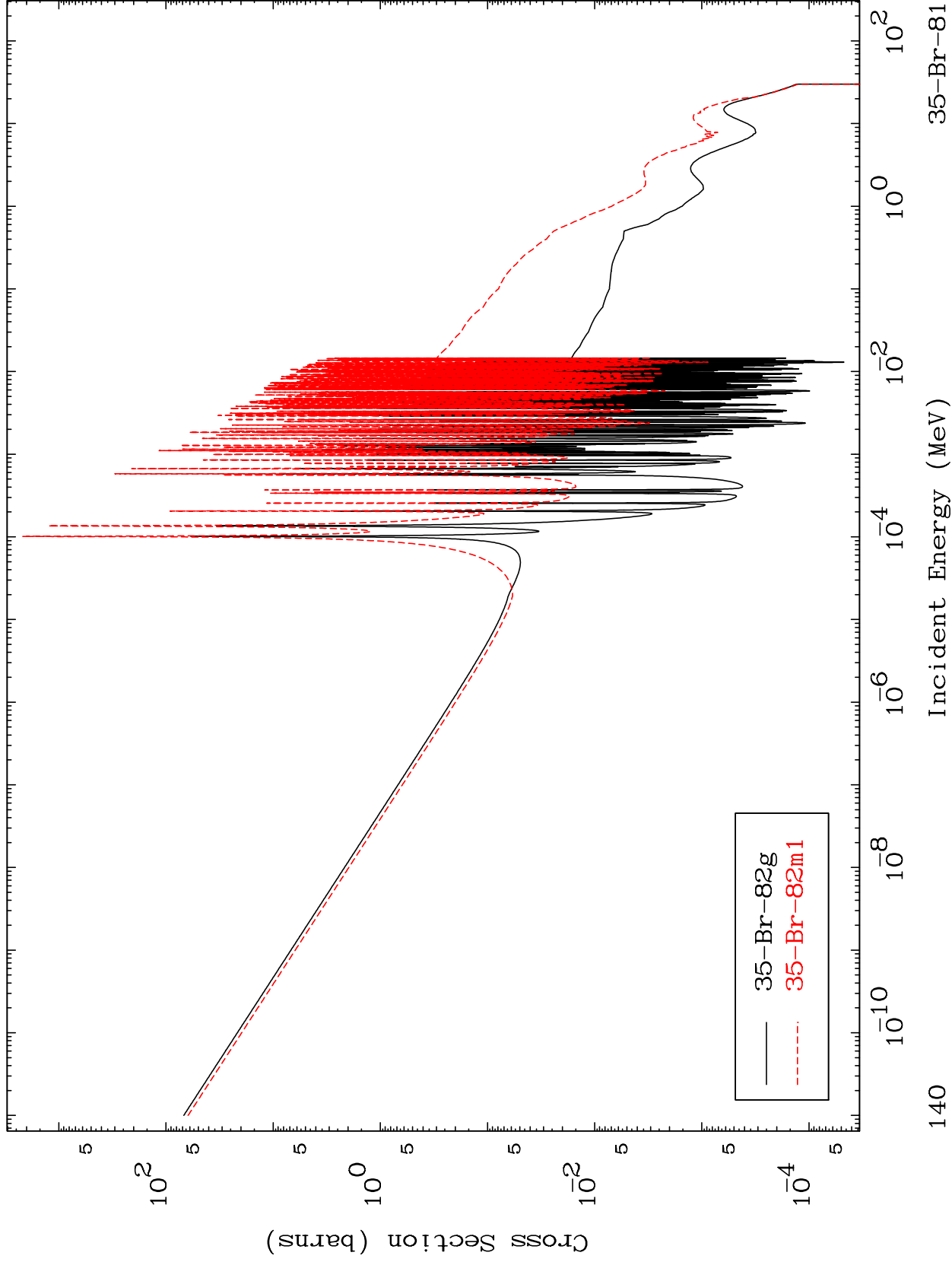


MAT 3531

³⁵Br-81

Radionuclide Production Cross Section

(n, γ)

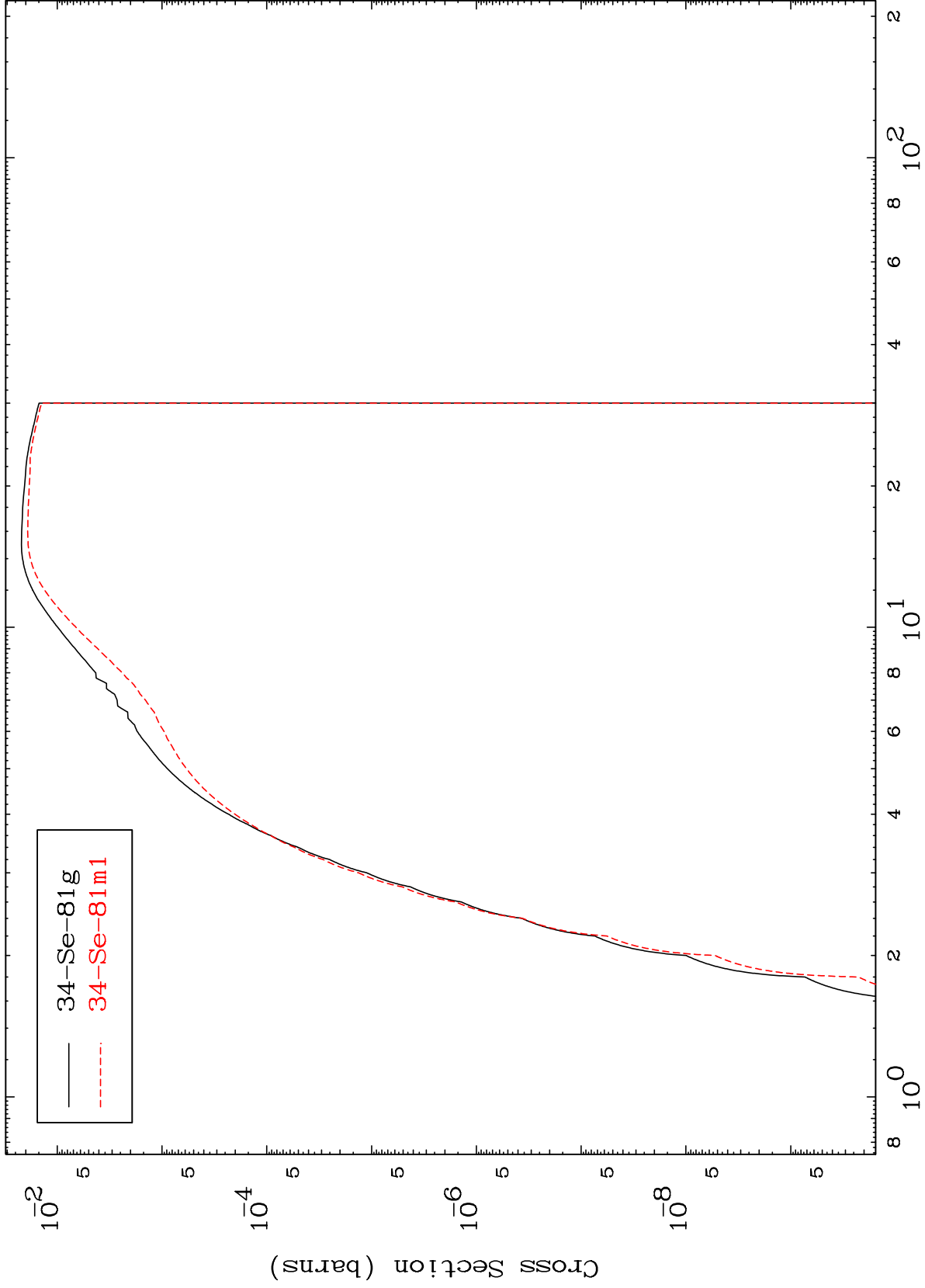


140

MAT 3531

³⁵Br-81

(n,p)
Radionuclide Production Cross Section



141

Incident Energy (MeV)

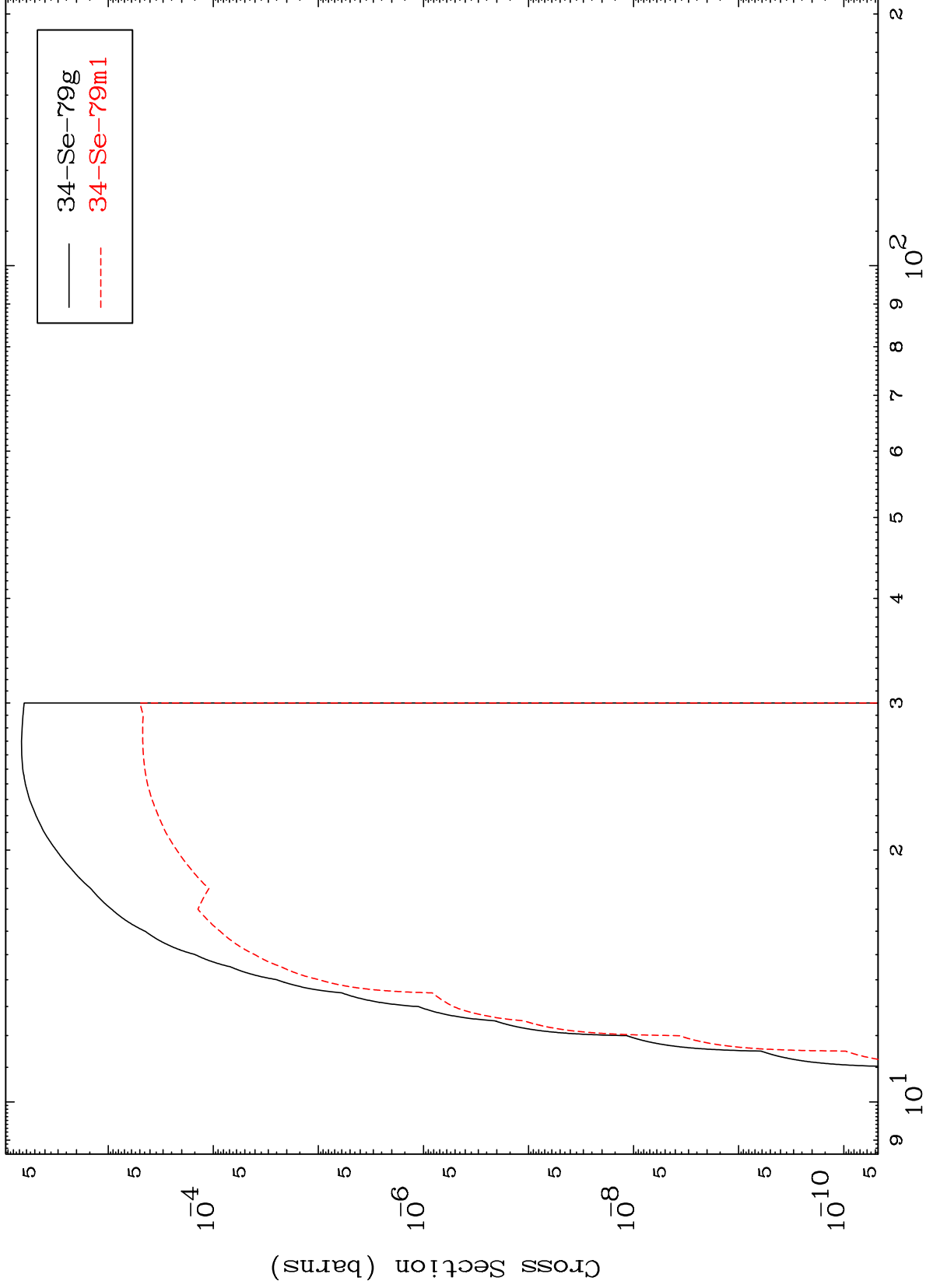
³⁵Br-81

MAT 3531

(n, t)

35-Br-81

Radionuclide Production Cross Section



142

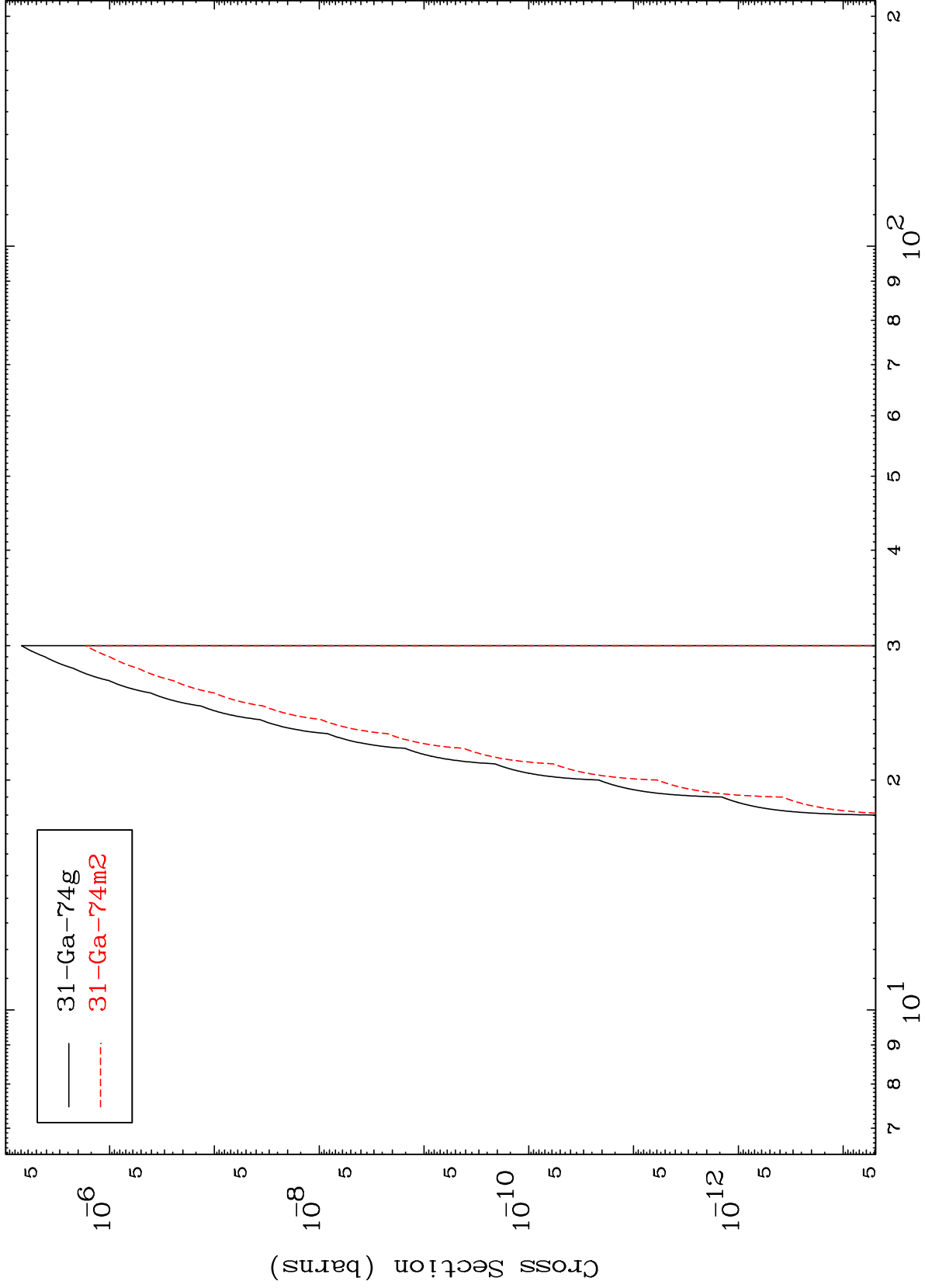
Incident Energy (MeV)

35-Br-81

MAT 3531

35-Br-81

(n,2α)
Radionuclide Production Cross Section



35-Br-81

Incident Energy (MeV)

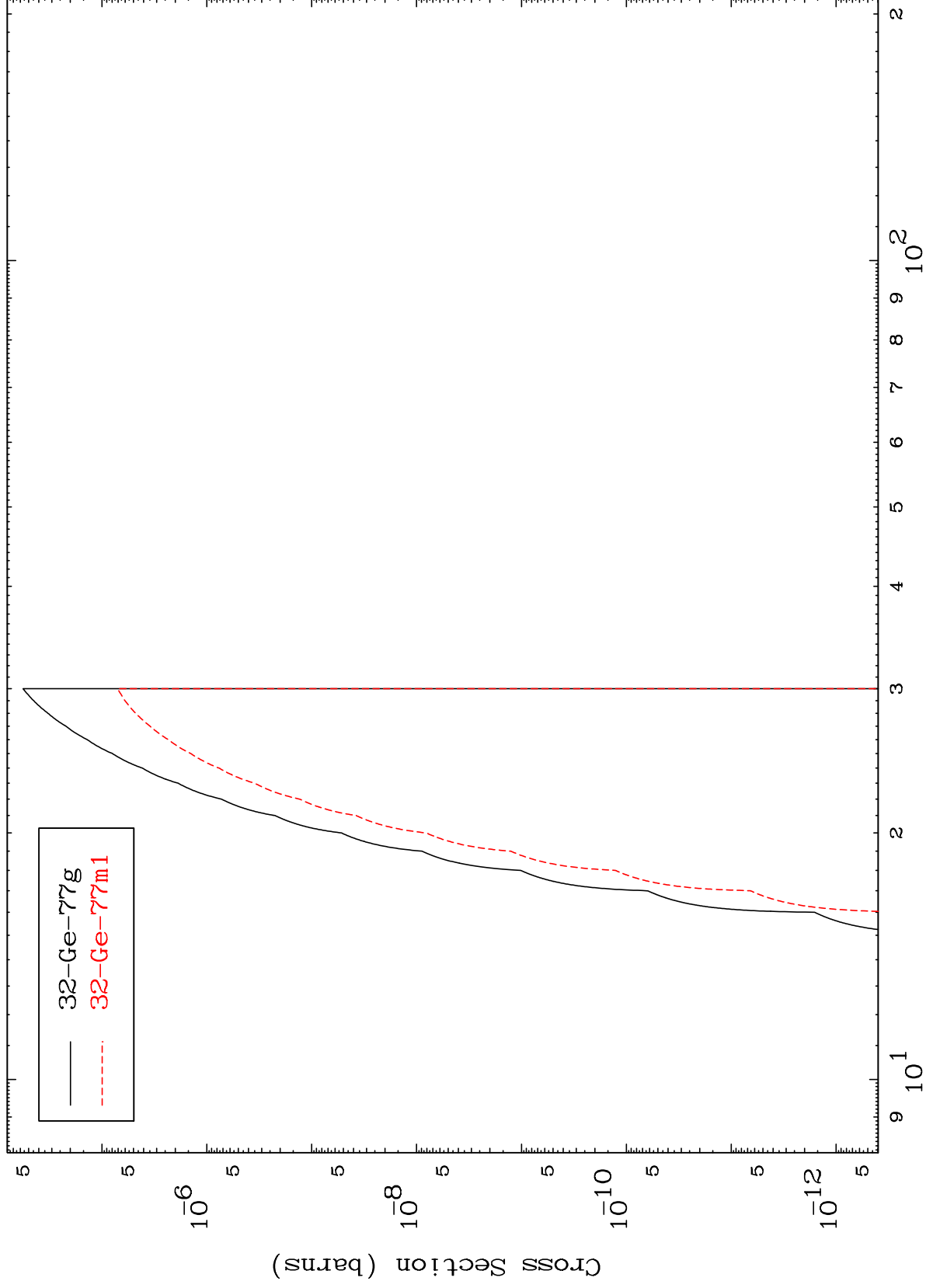
143

MAT 3531

(n,p) α

³⁵Br-81

Radionuclide Production Cross Section



144

Incident Energy (MeV)

³⁵Br-81