

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

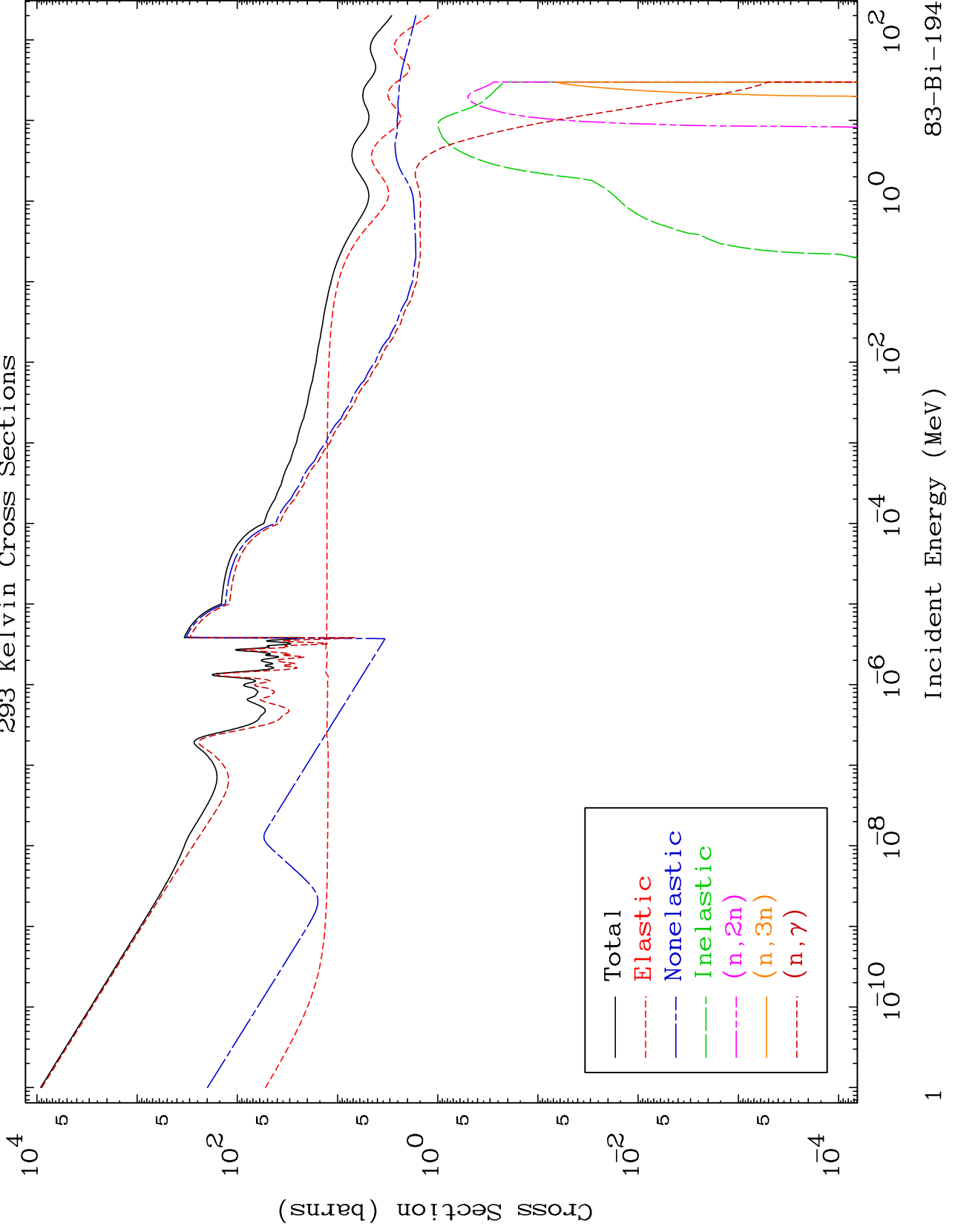
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8280

Neutron Major
293 Kelvin Cross Sections

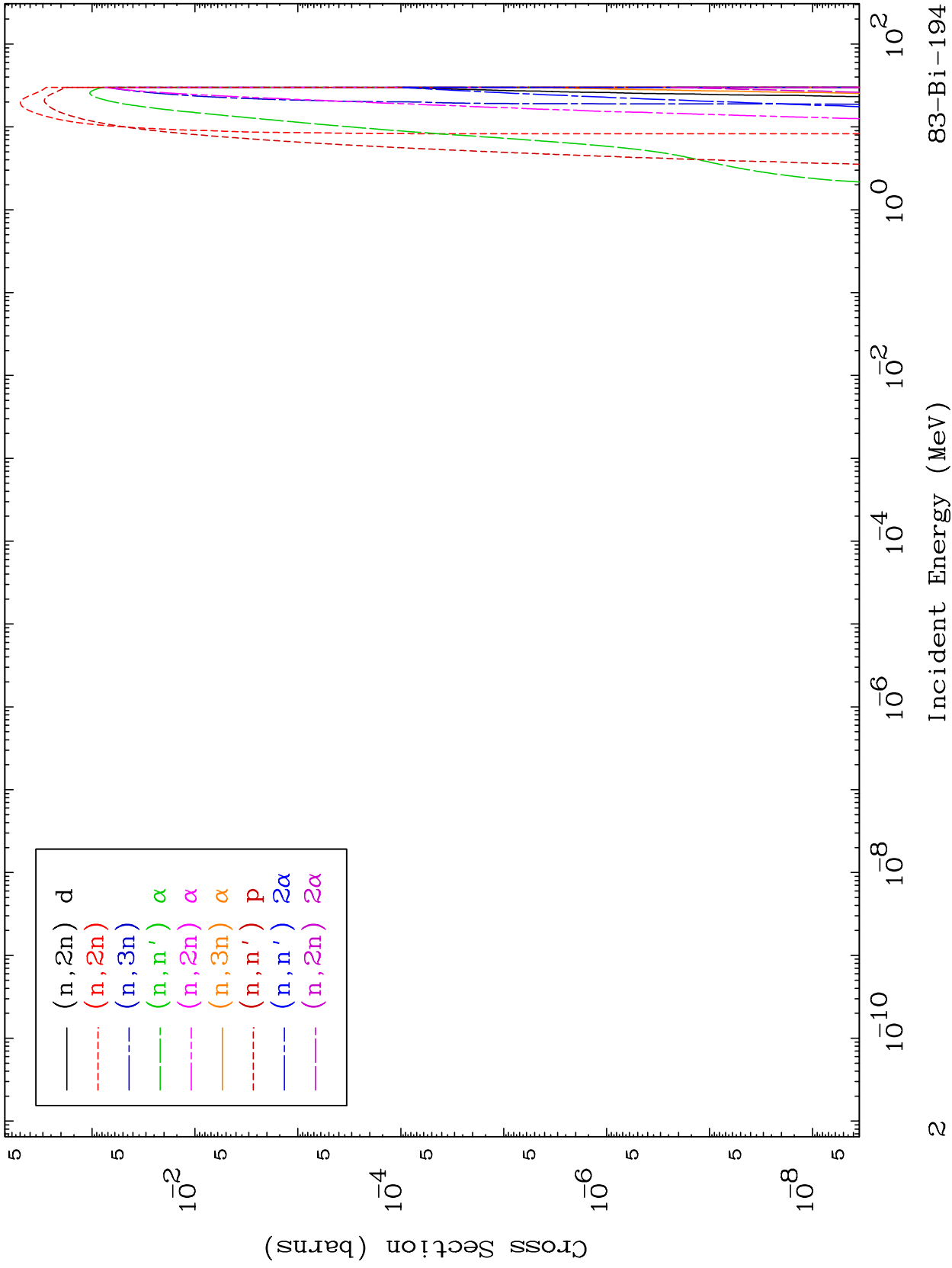
83-Bi-194



MAT 8280

Neutron Absorption
293 Kelvin Cross Sections

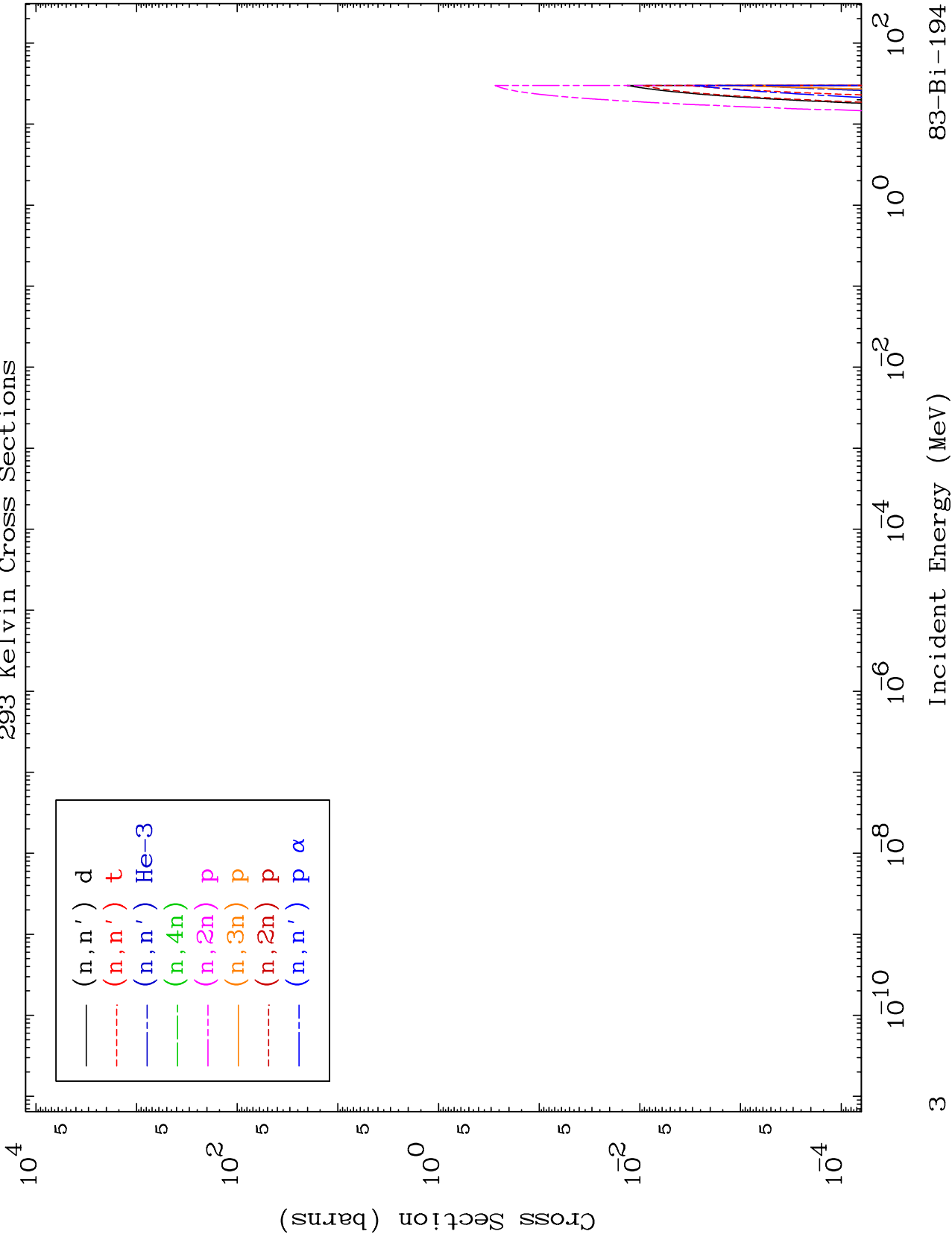
83-Bi-194



MAT 8280

Neutron Absorption
293 Kelvin Cross Sections

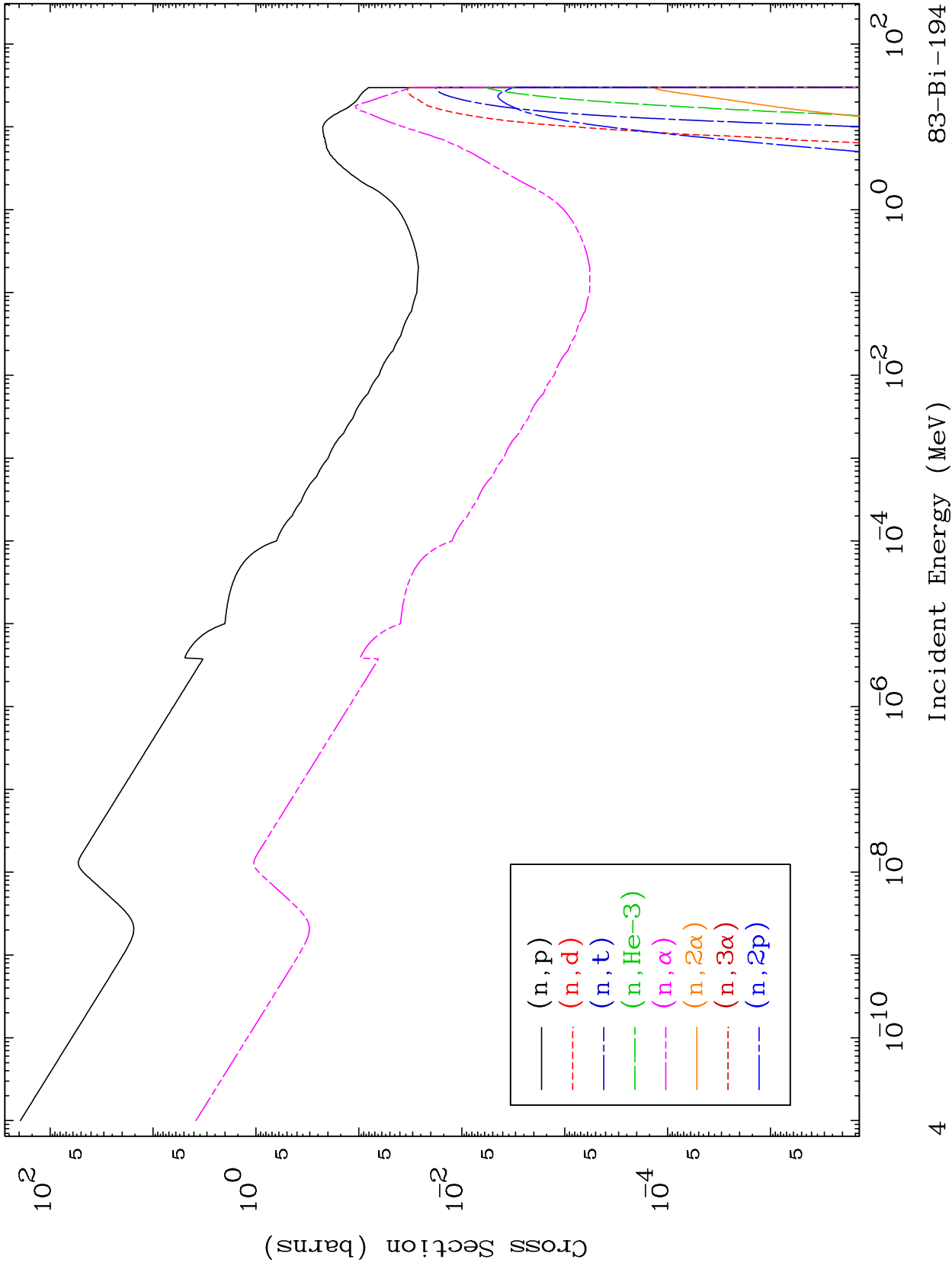
83-Bi-194

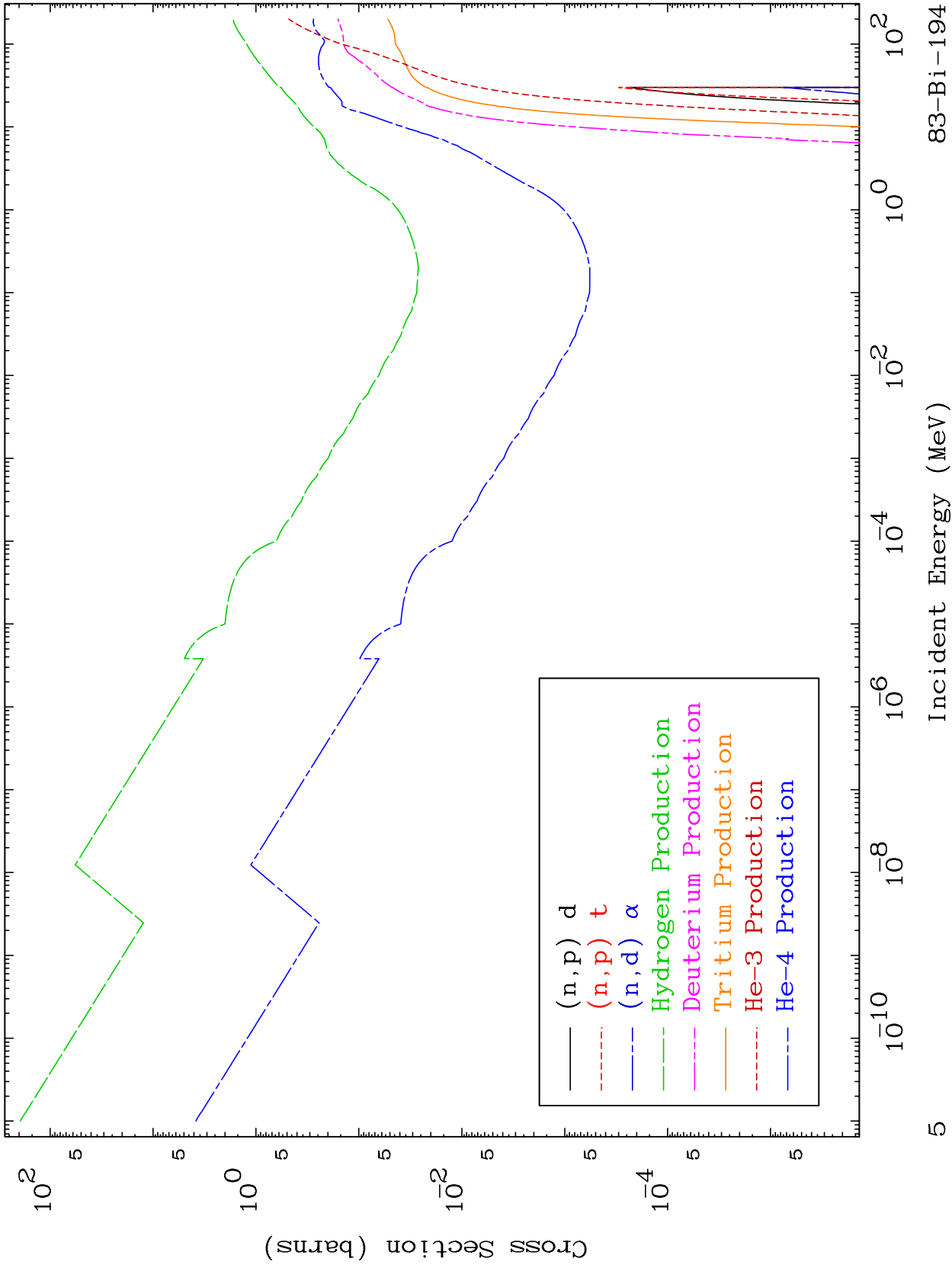


MAT 8280

Neutron Absorption
293 Kelvin Cross Sections

83-Bi-194

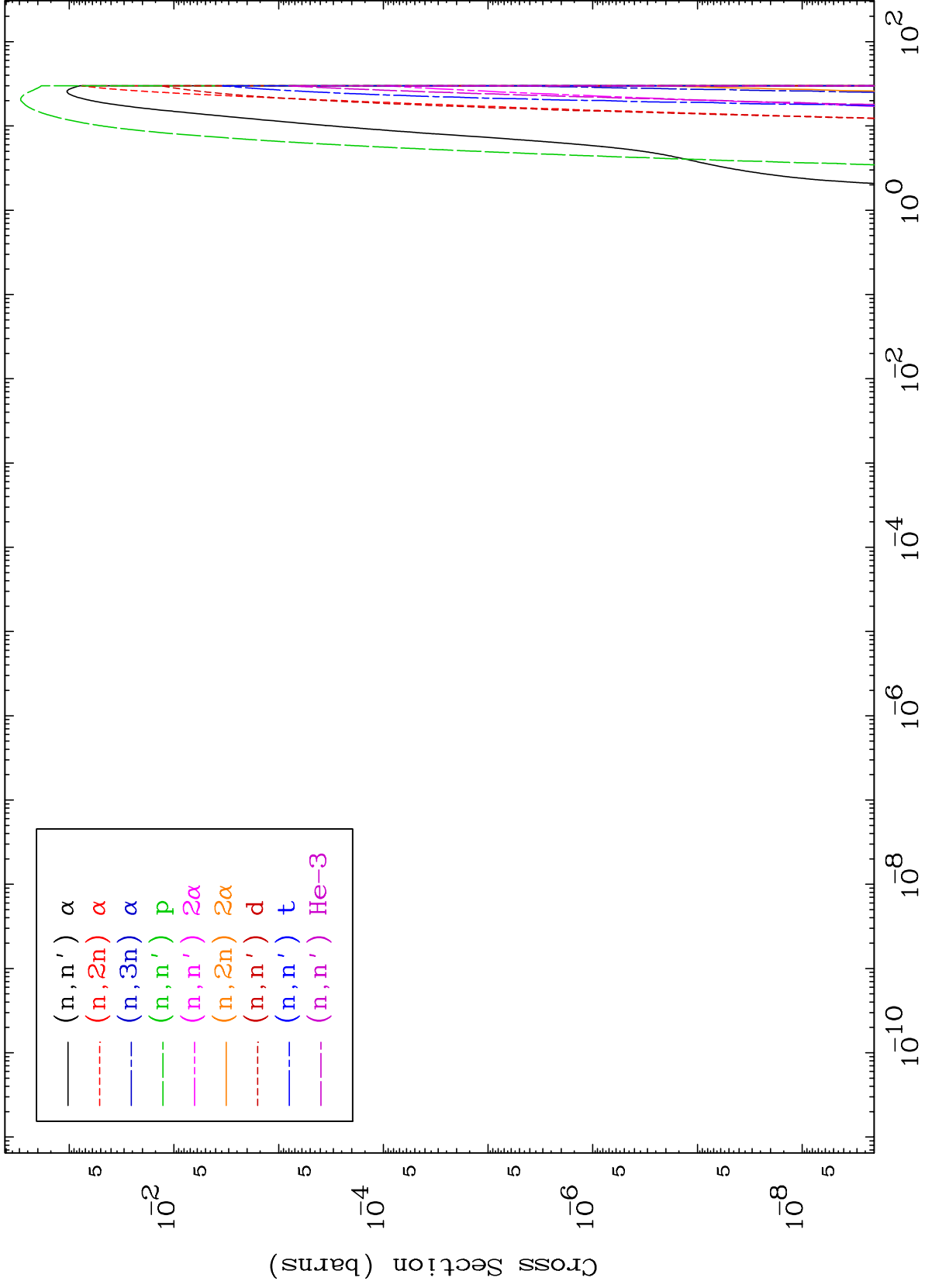




MAT 8280

Charged Particle
293 Kelvin Cross Sections

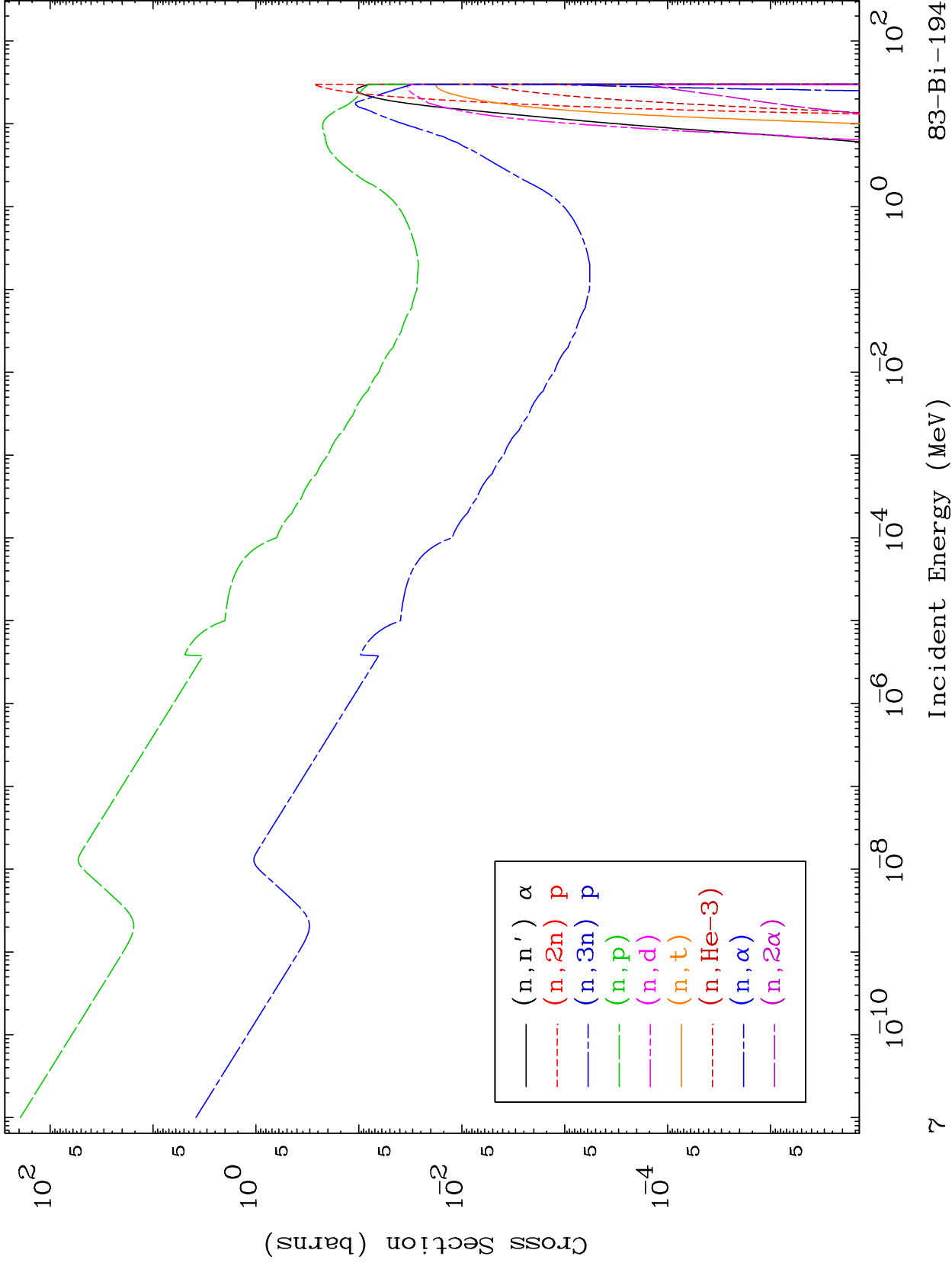
83-Bi-194

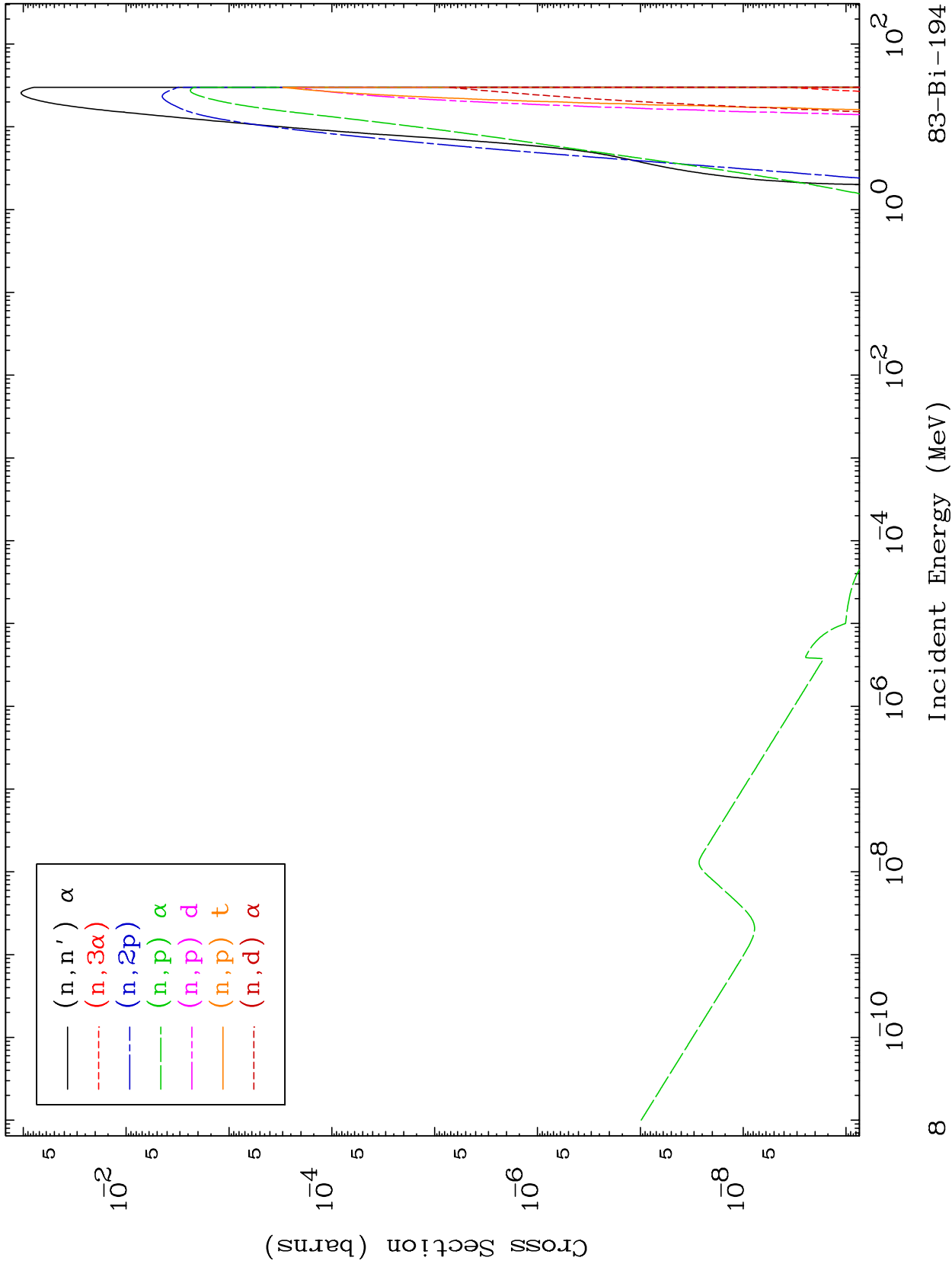


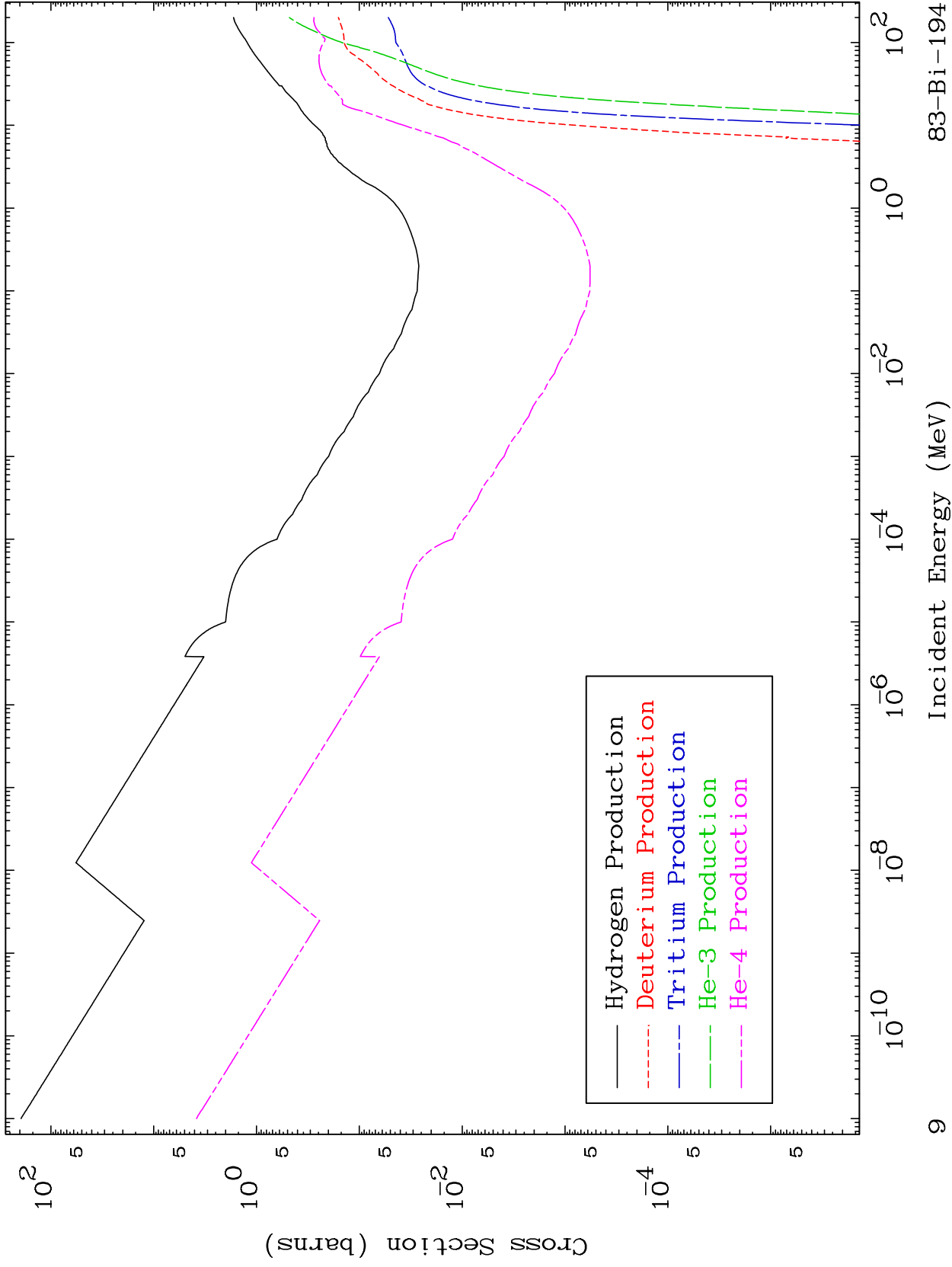
MAT 8280

Charged Particle
293 Kelvin Cross Sections

83-Bi-194



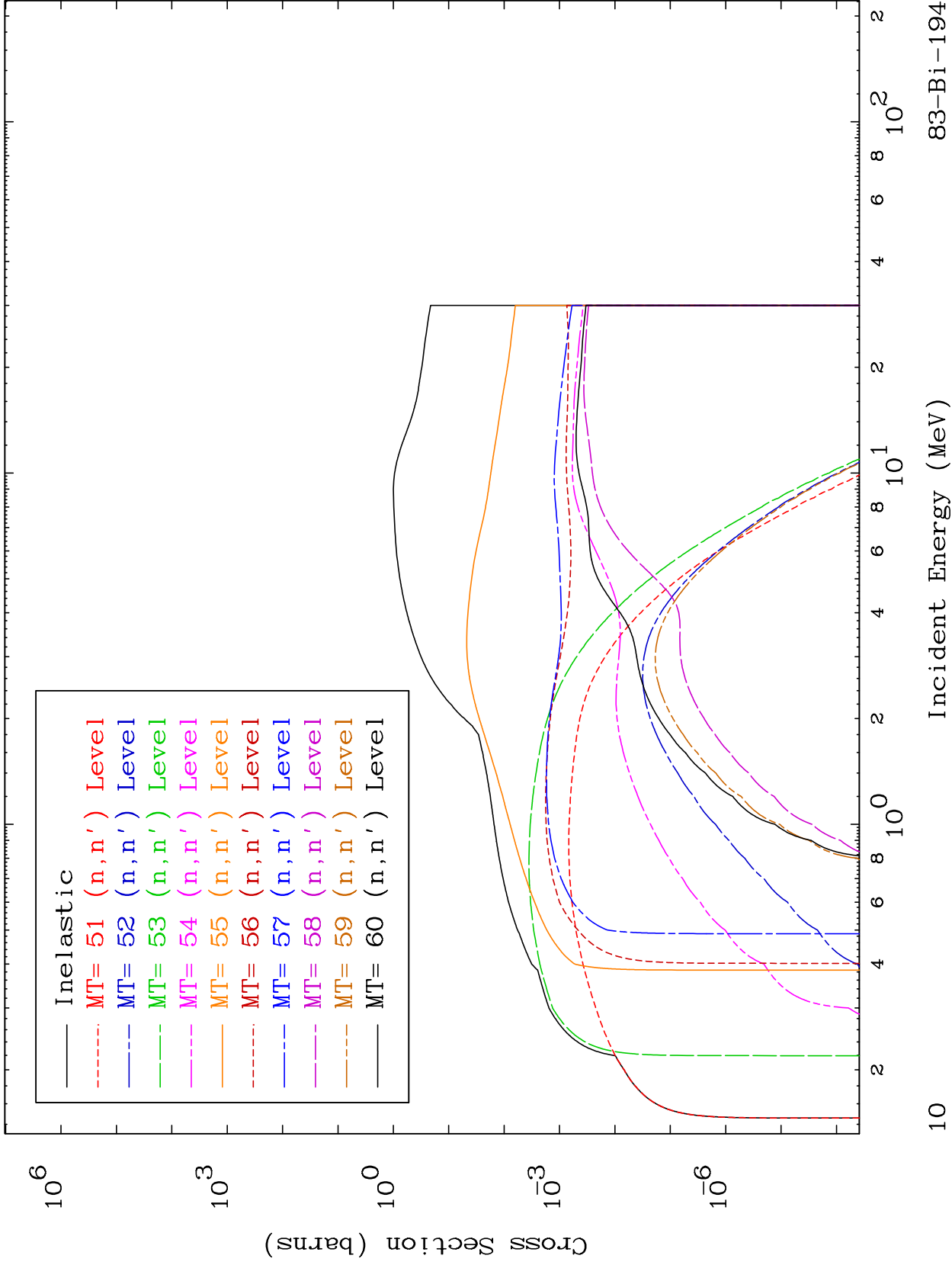




MAT 8280

(n,n') Levels
293 Kelvin Cross Sections

83-Bi-194



10

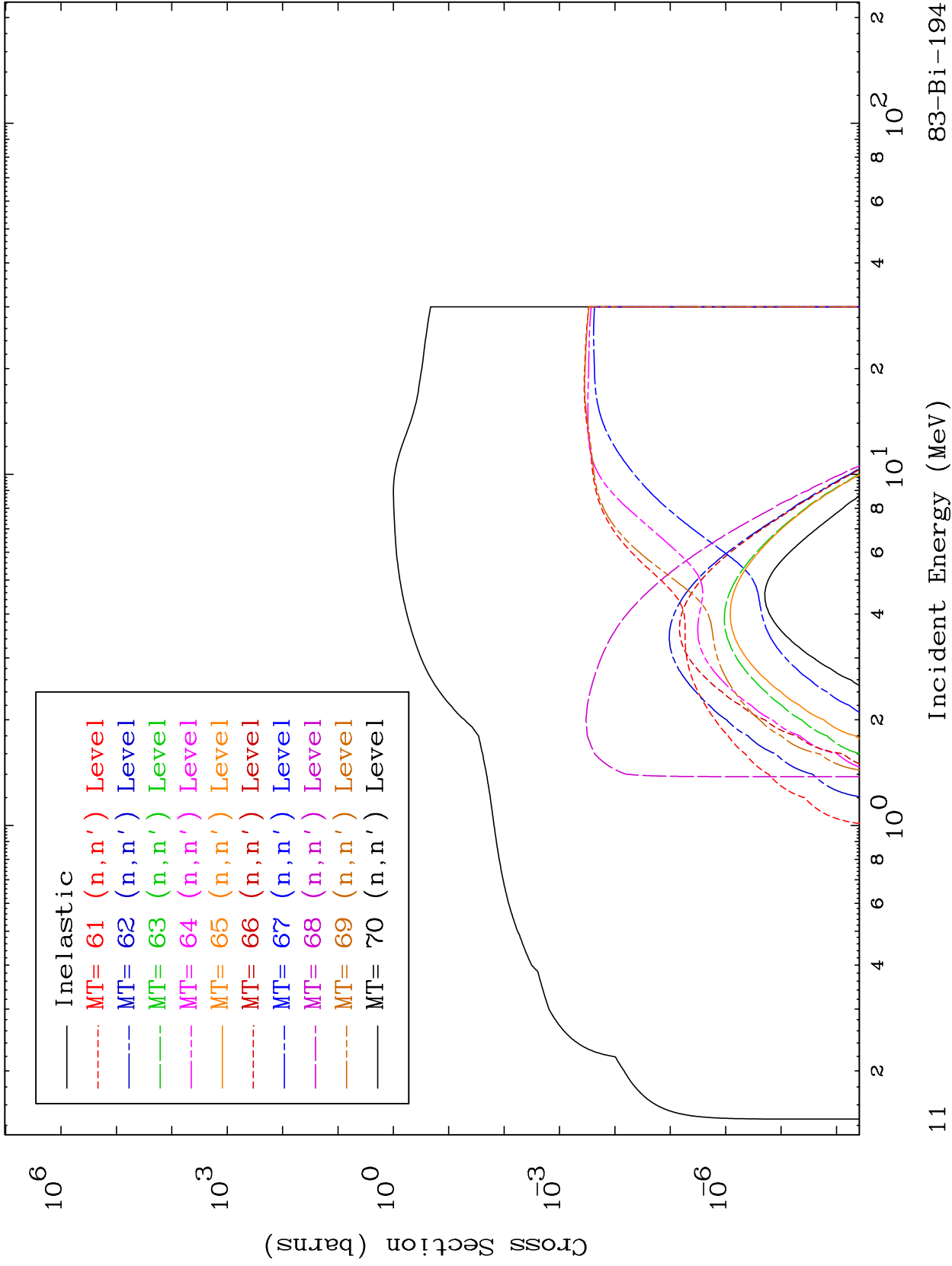
Incident Energy (MeV)

83-Bi-194

MAT 8280

(n,n') Levels
293 Kelvin Cross Sections

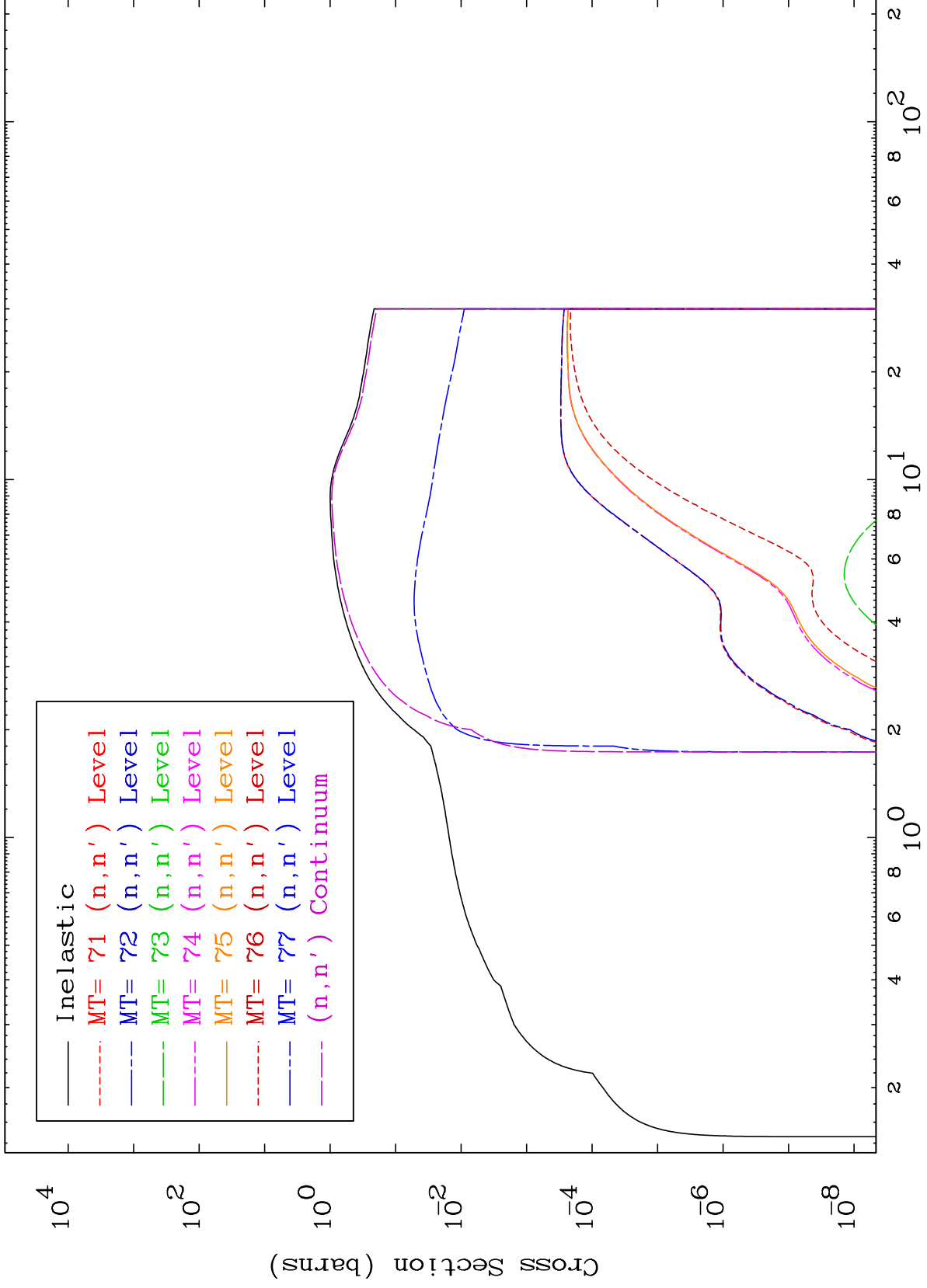
83-Bi-194



MAT 8280

(n,n') Levels
293 Kelvin Cross Sections

83-Bi-194



12

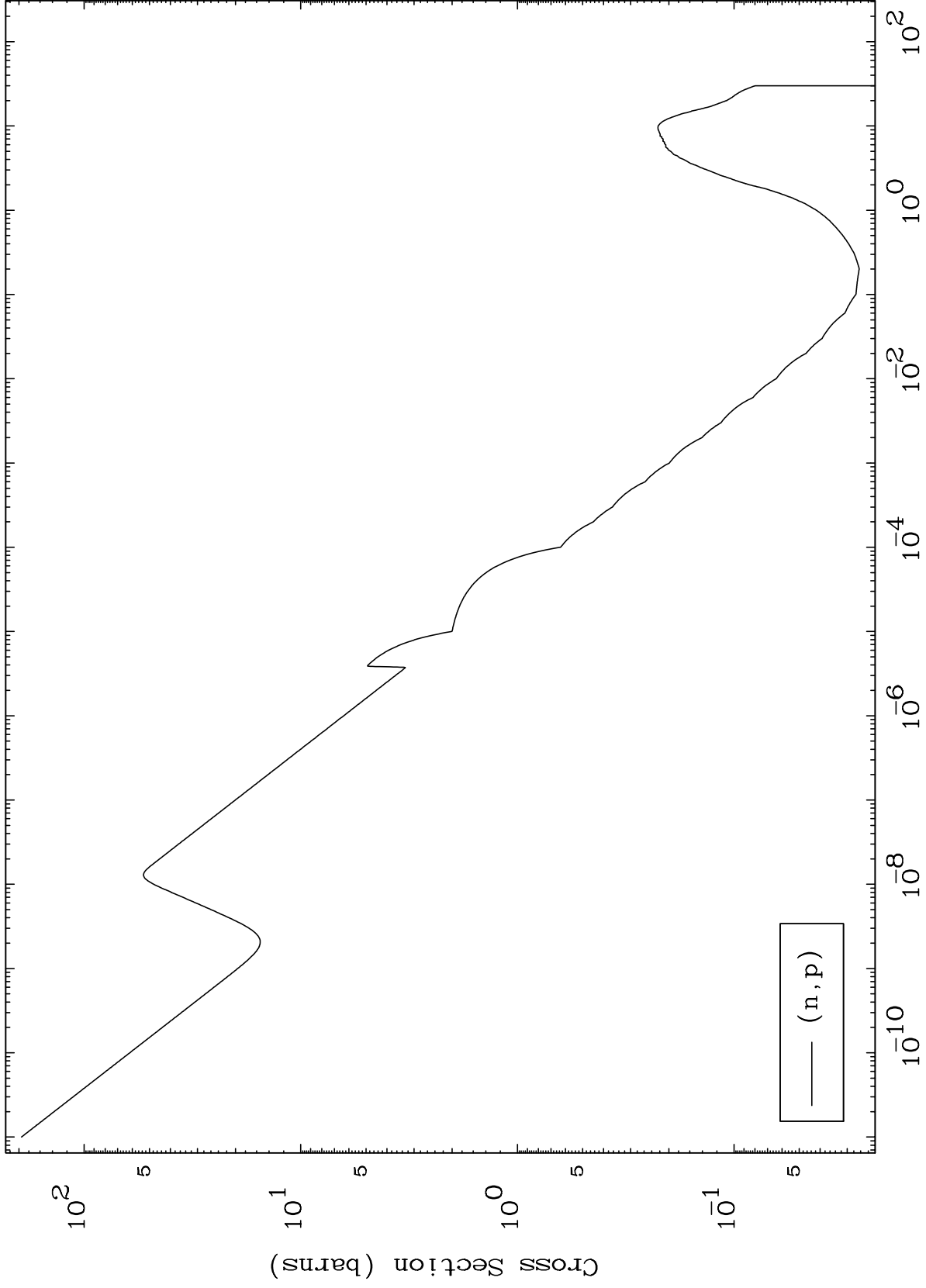
Incident Energy (MeV)

83-Bi-194

MAT 8280

(n,p) Levels
293 Kelvin Cross Sections

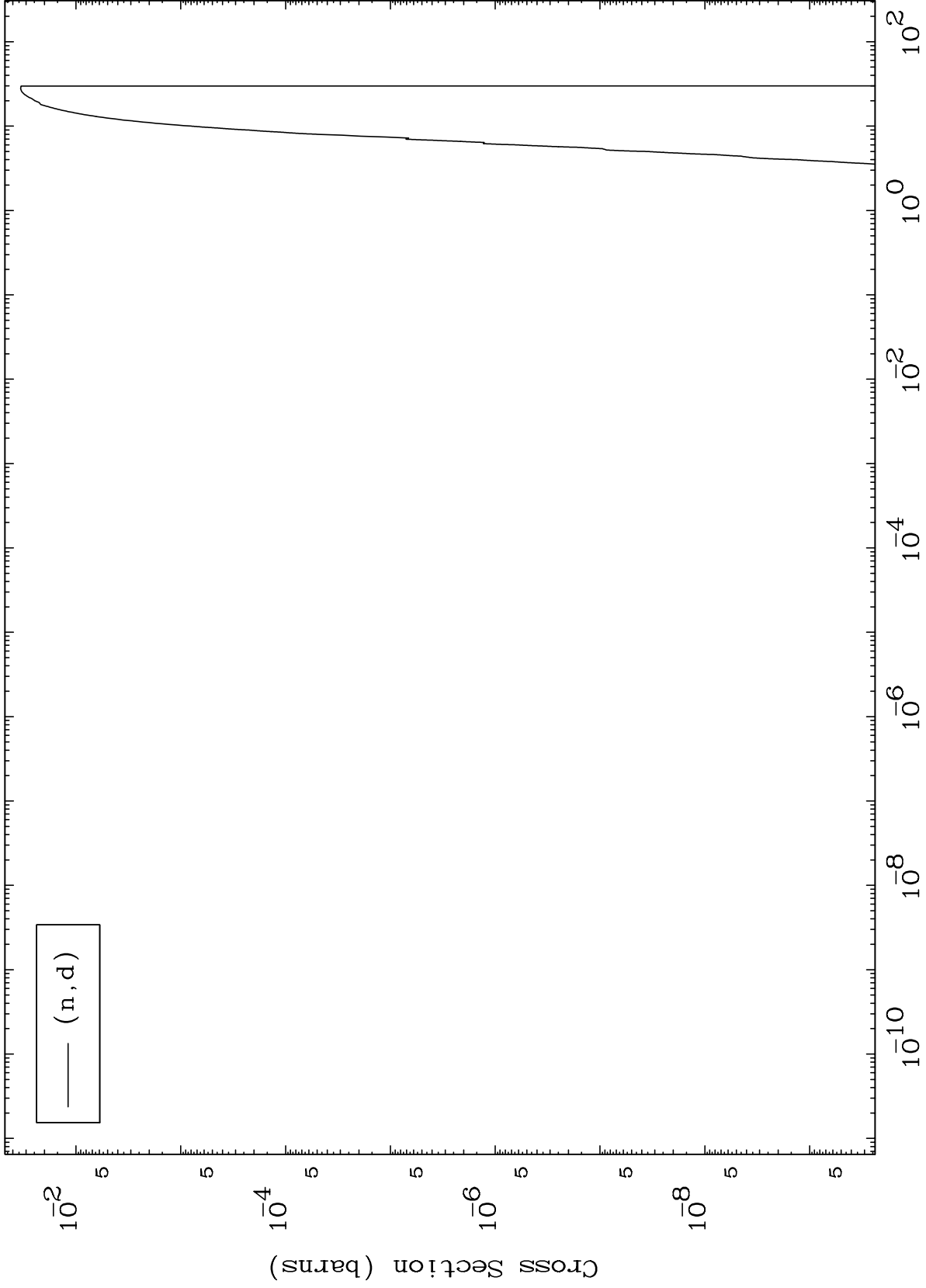
83-Bi-194



MAT 8280

(n,d) Levels
293 Kelvin Cross Sections

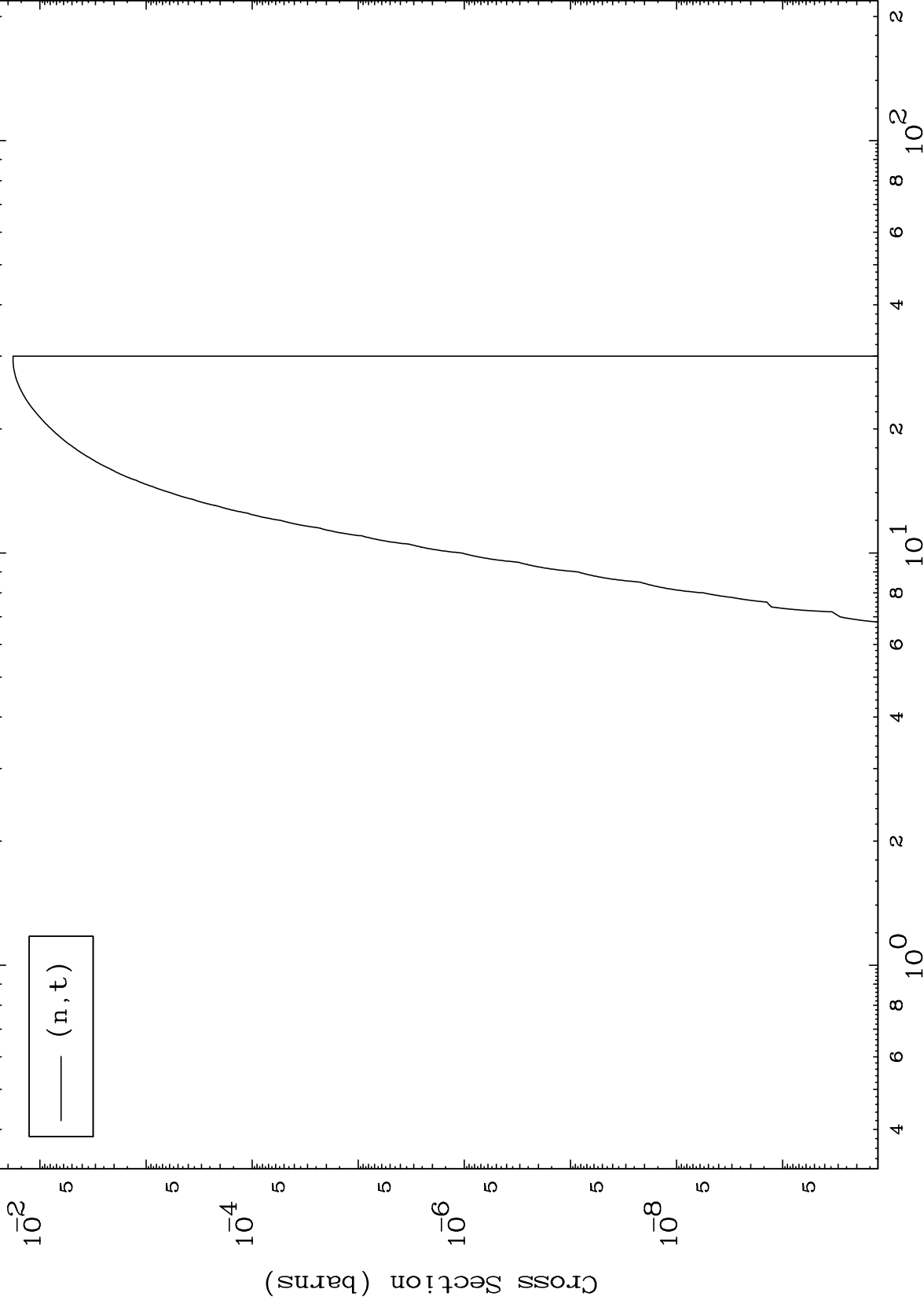
83-Bi-194



MAT 8280

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-194



15

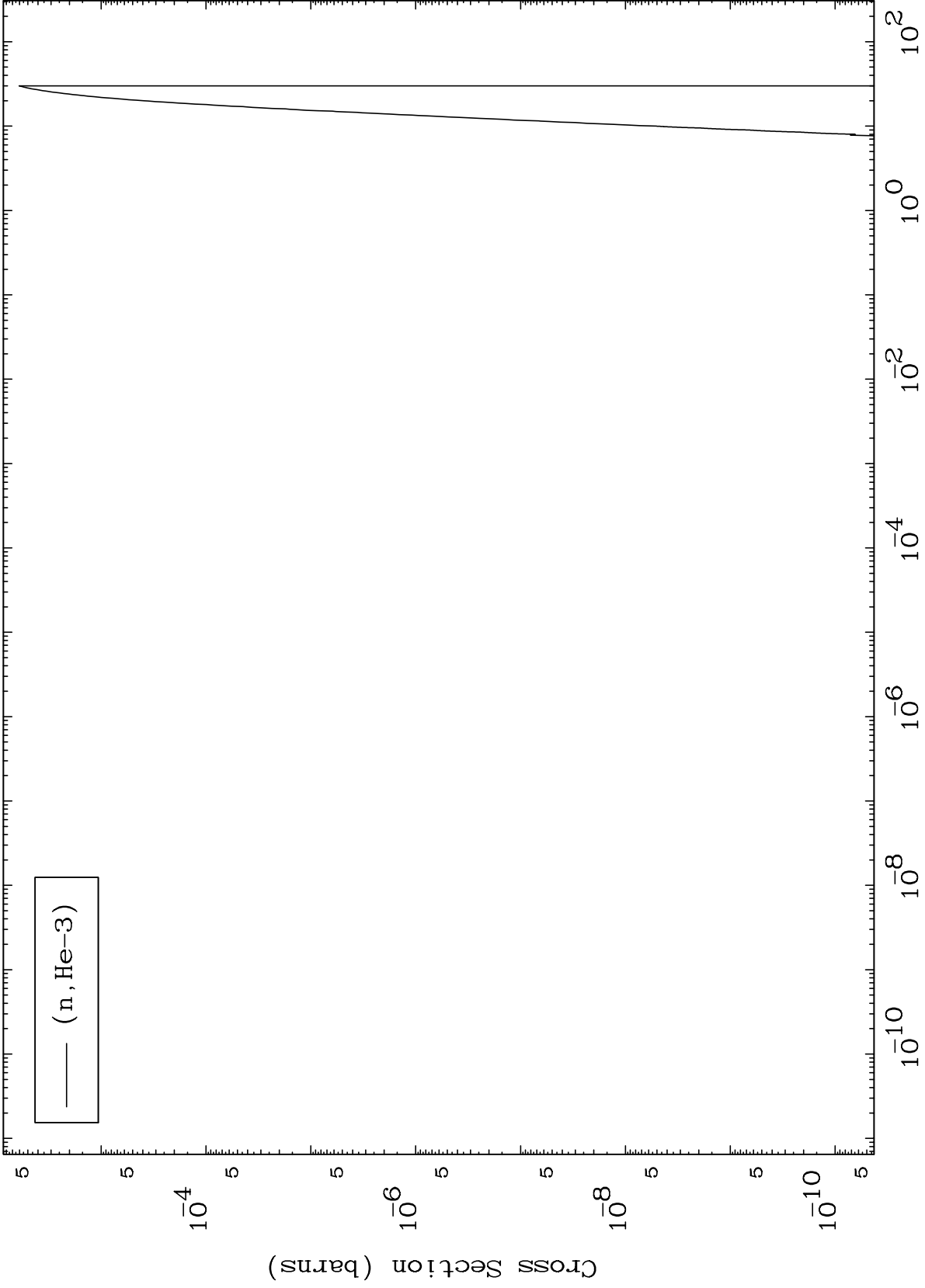
Incident Energy (MeV)

83-Bi-194

MAT 8280

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-194



16

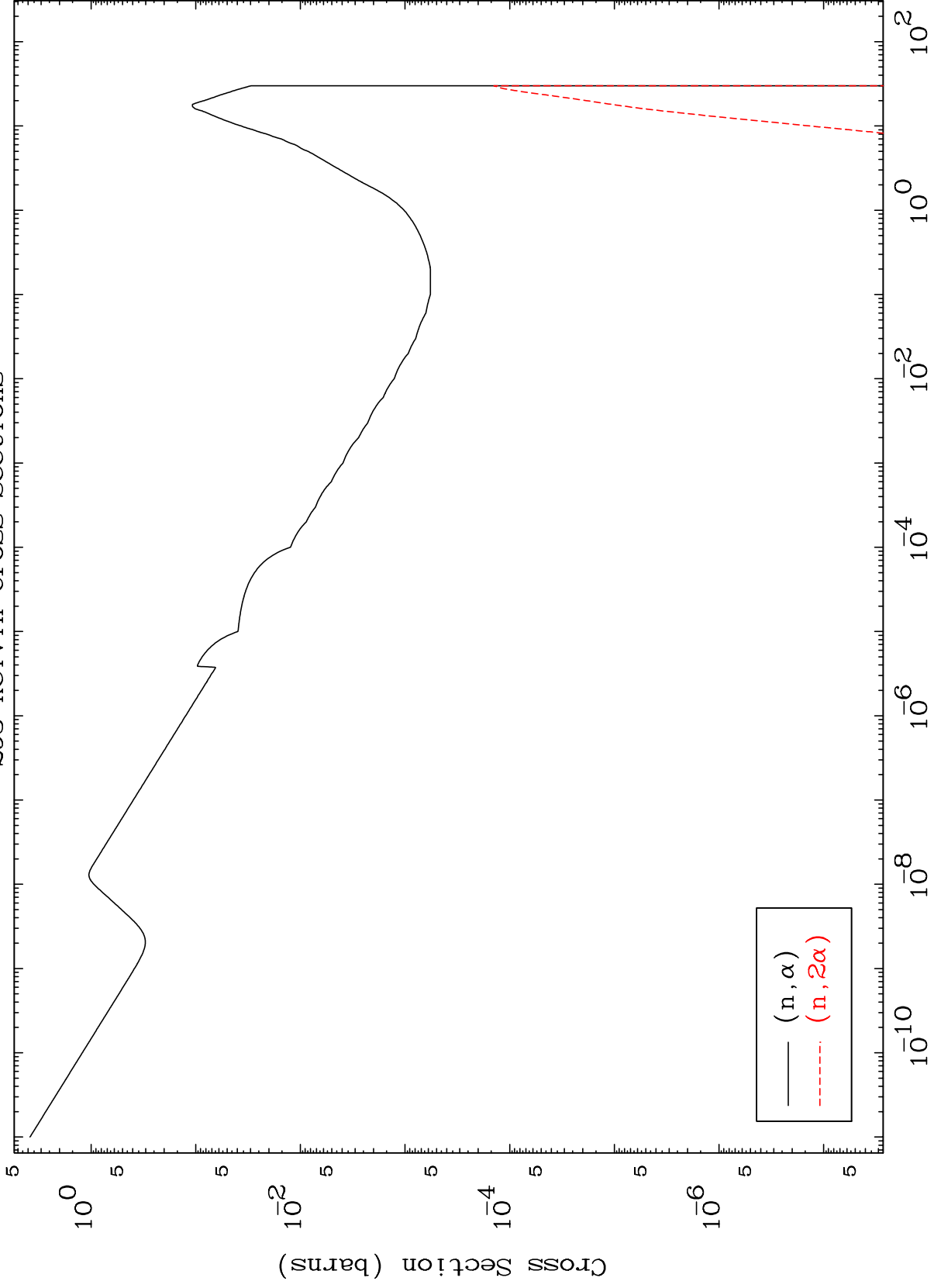
Incident Energy (MeV)

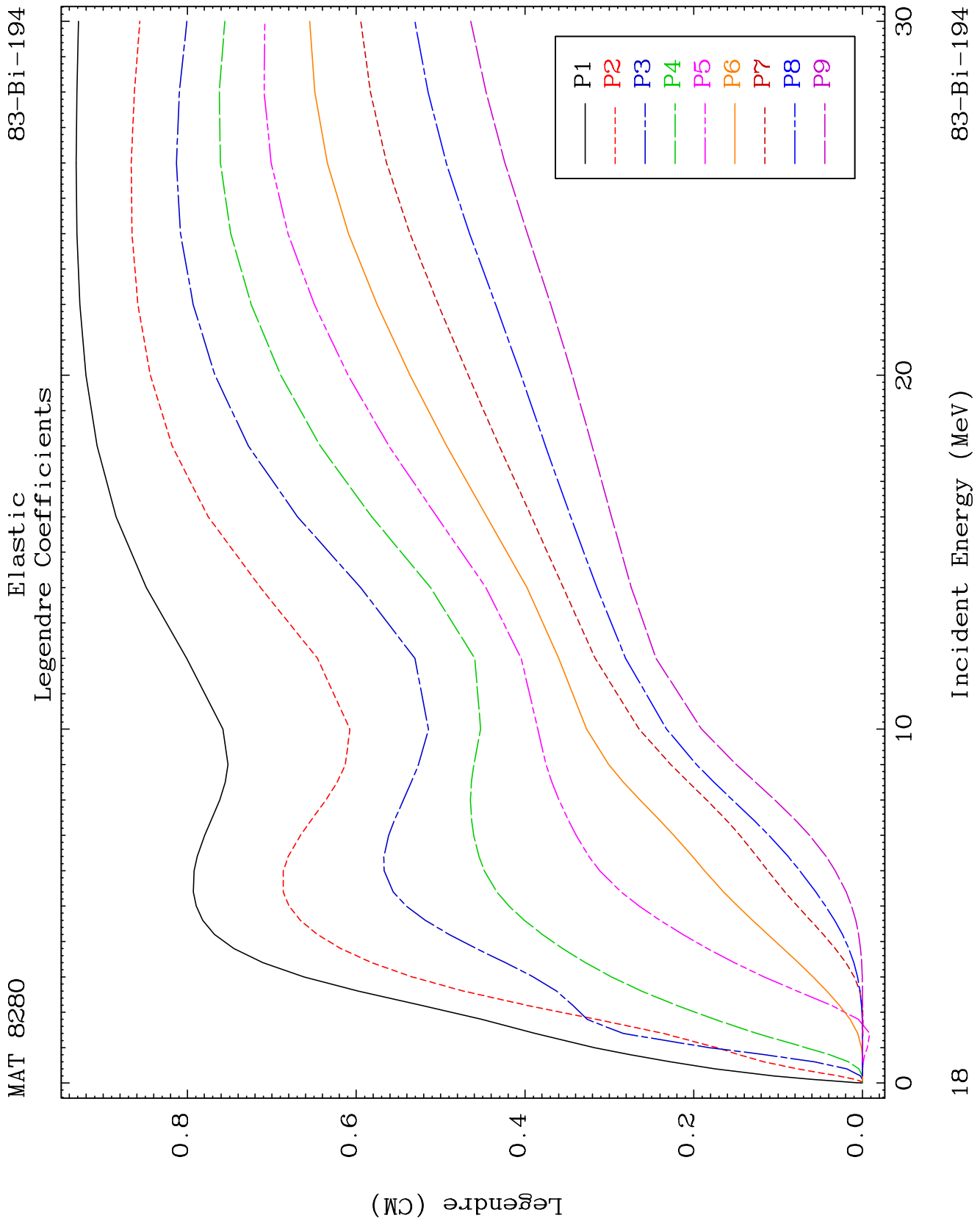
83-Bi-194

MAT 8280

(n,α) Levels
293 Kelvin Cross Sections

83-Bi-194

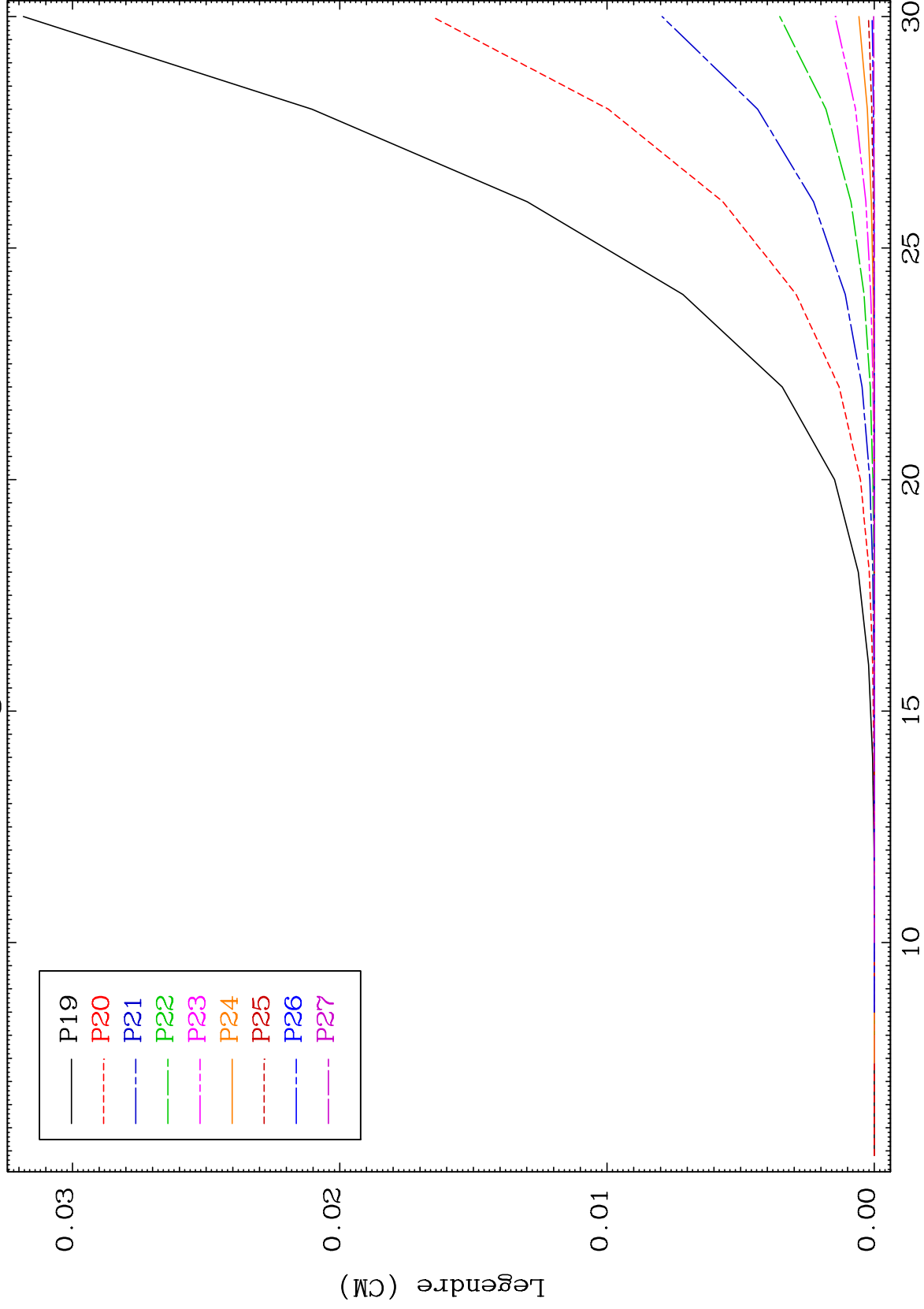




MAT 8280

Elastic Legendre Coefficients

83-Bi-194



20

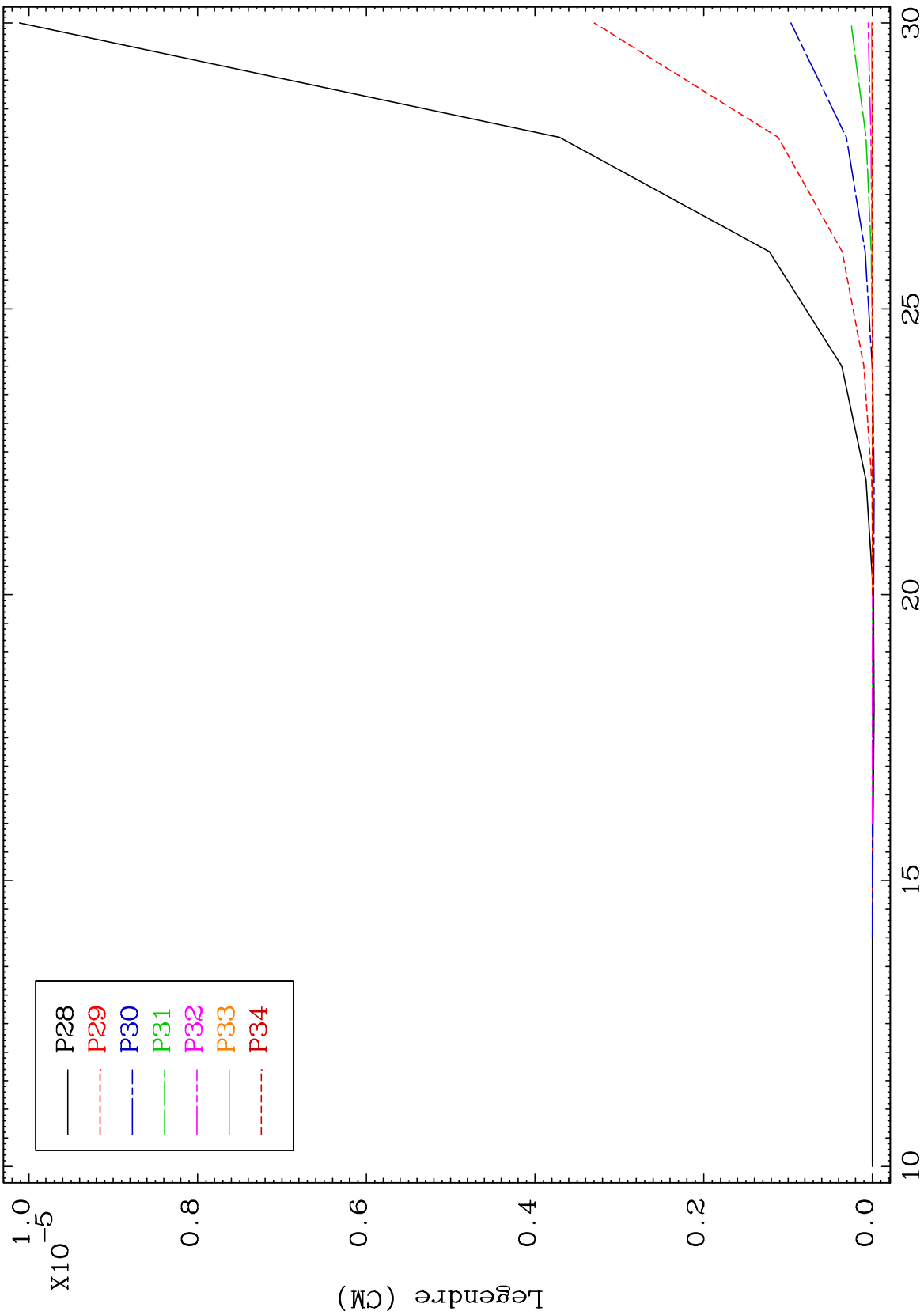
Incident Energy (MeV)

83-Bi-194

MAT 8280

Elastic
Legendre Coefficients

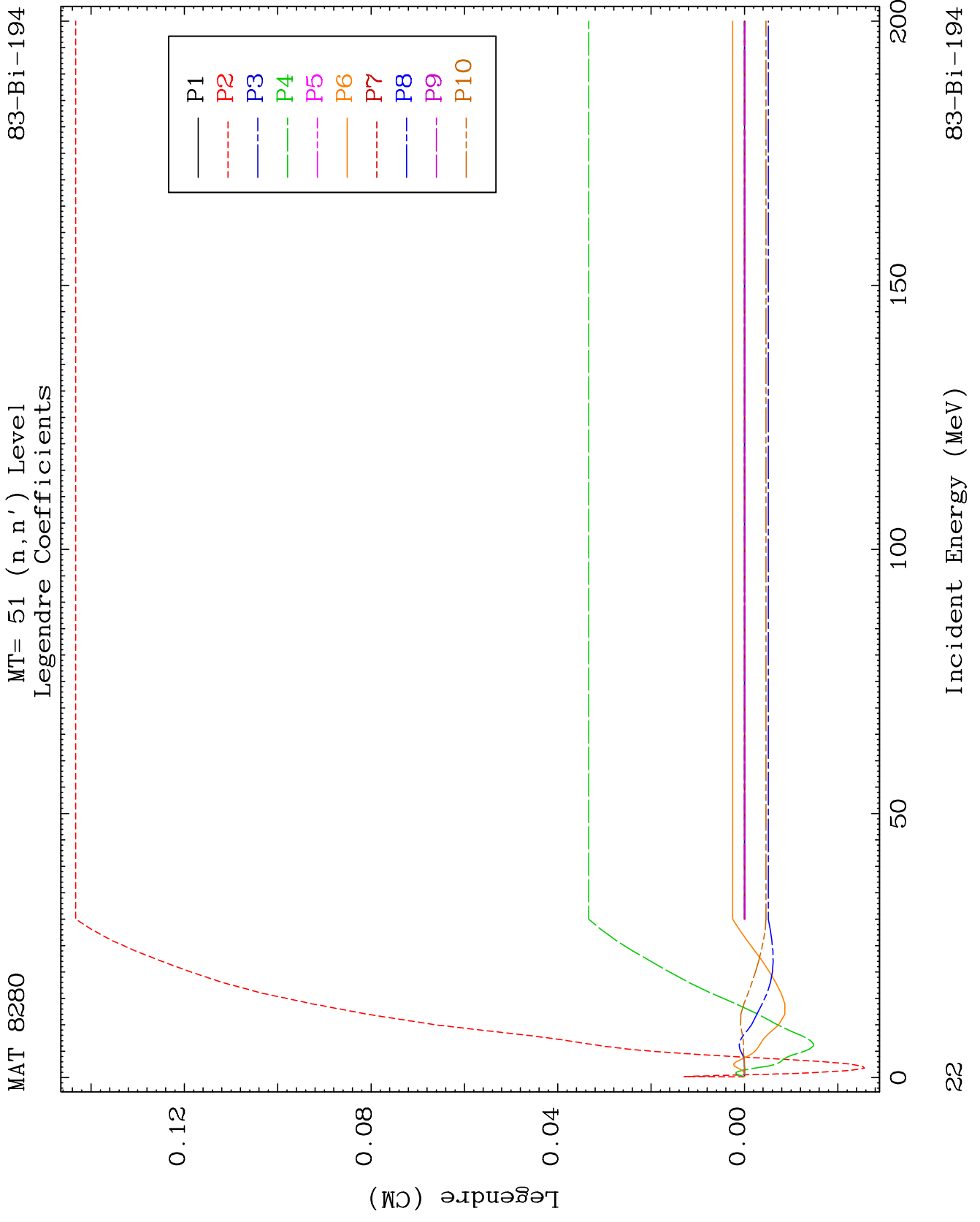
83-Bi-194



21

Incident Energy (MeV)

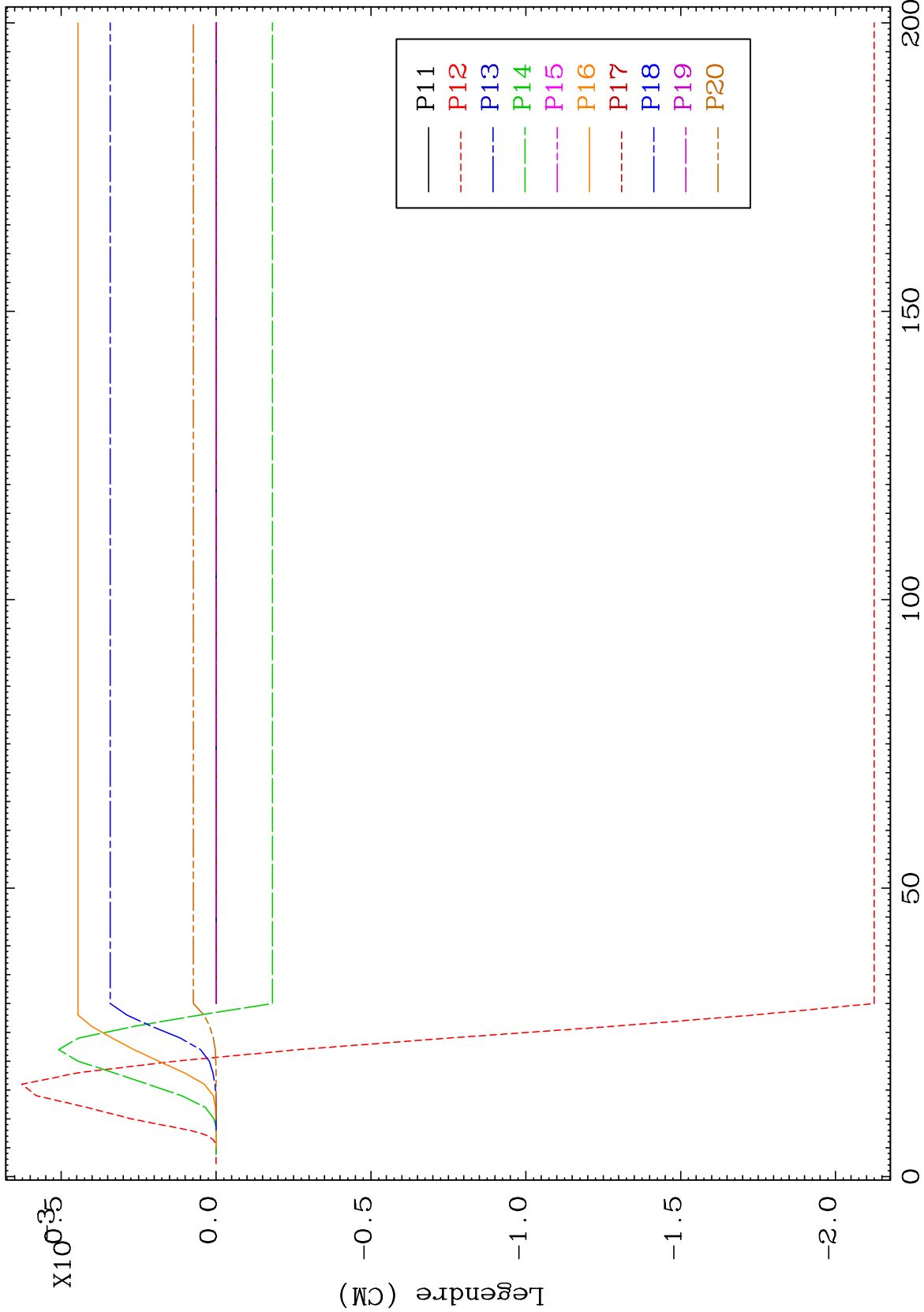
83-Bi-194



MAT 8280

MT= 51 (n,n') Level
Legendre Coefficients

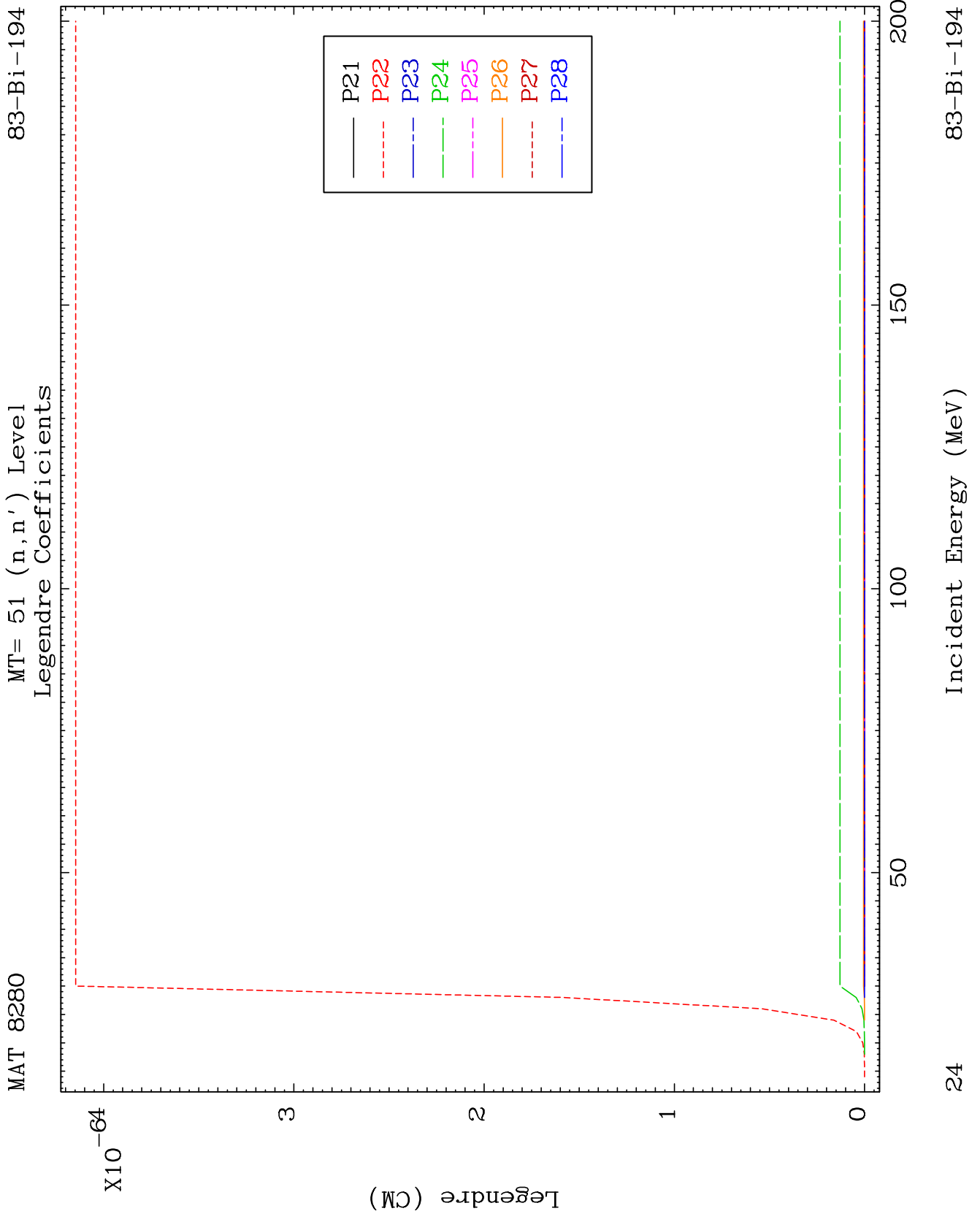
83-Bi-194



23

Incident Energy (MeV)

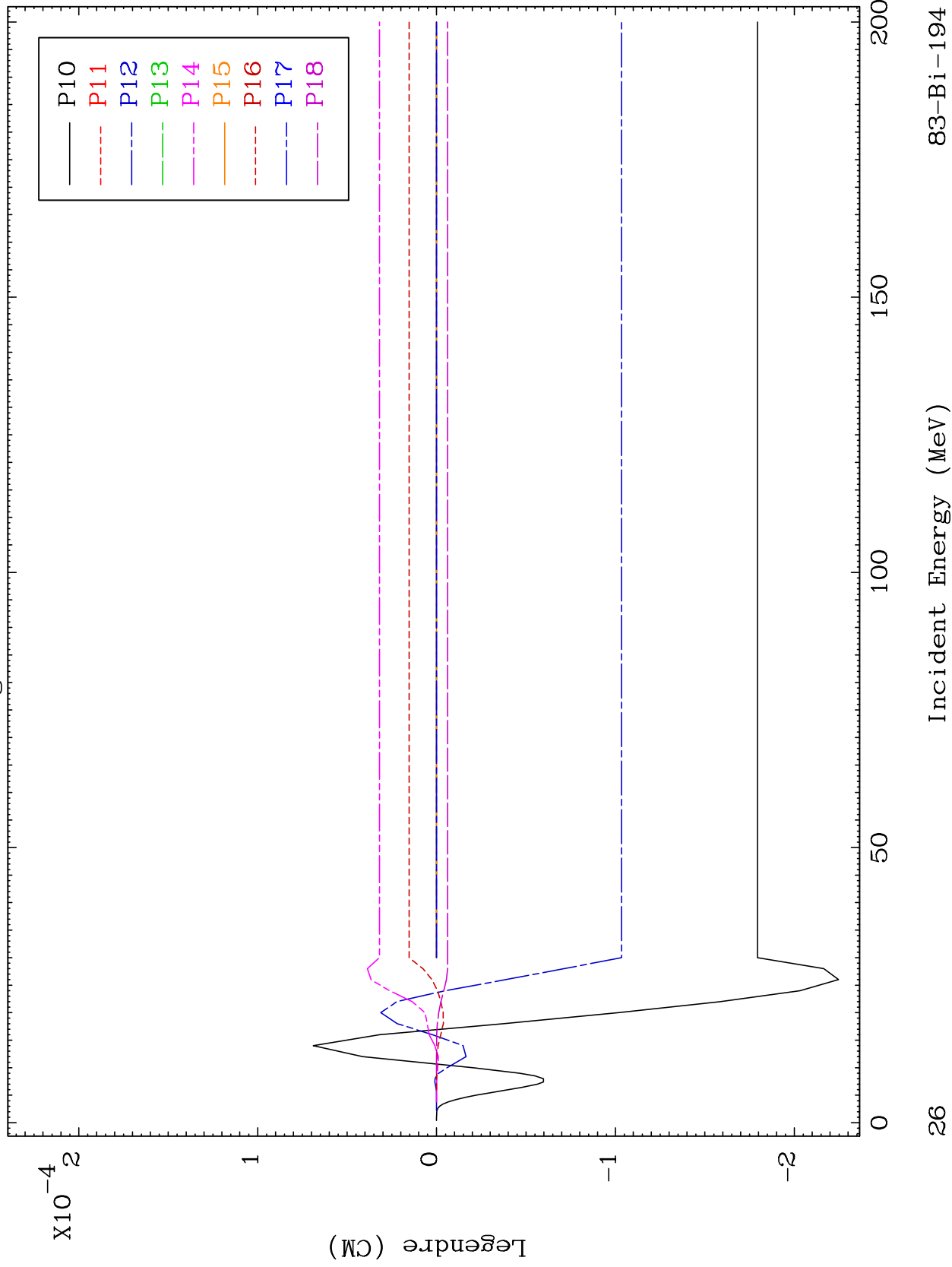
83-Bi-194



MAT 8280

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

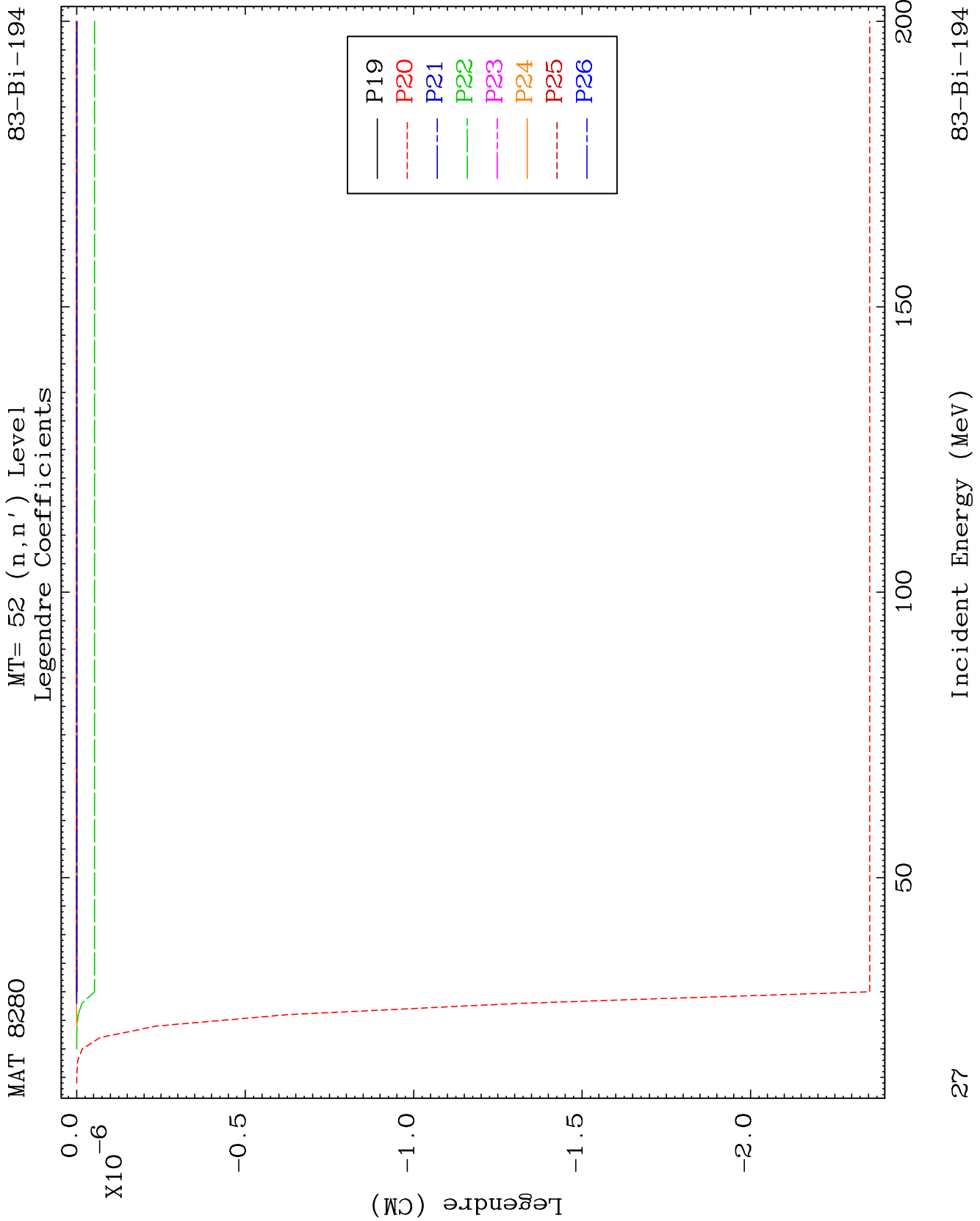
83-Bi-194



26

Incident Energy (MeV)

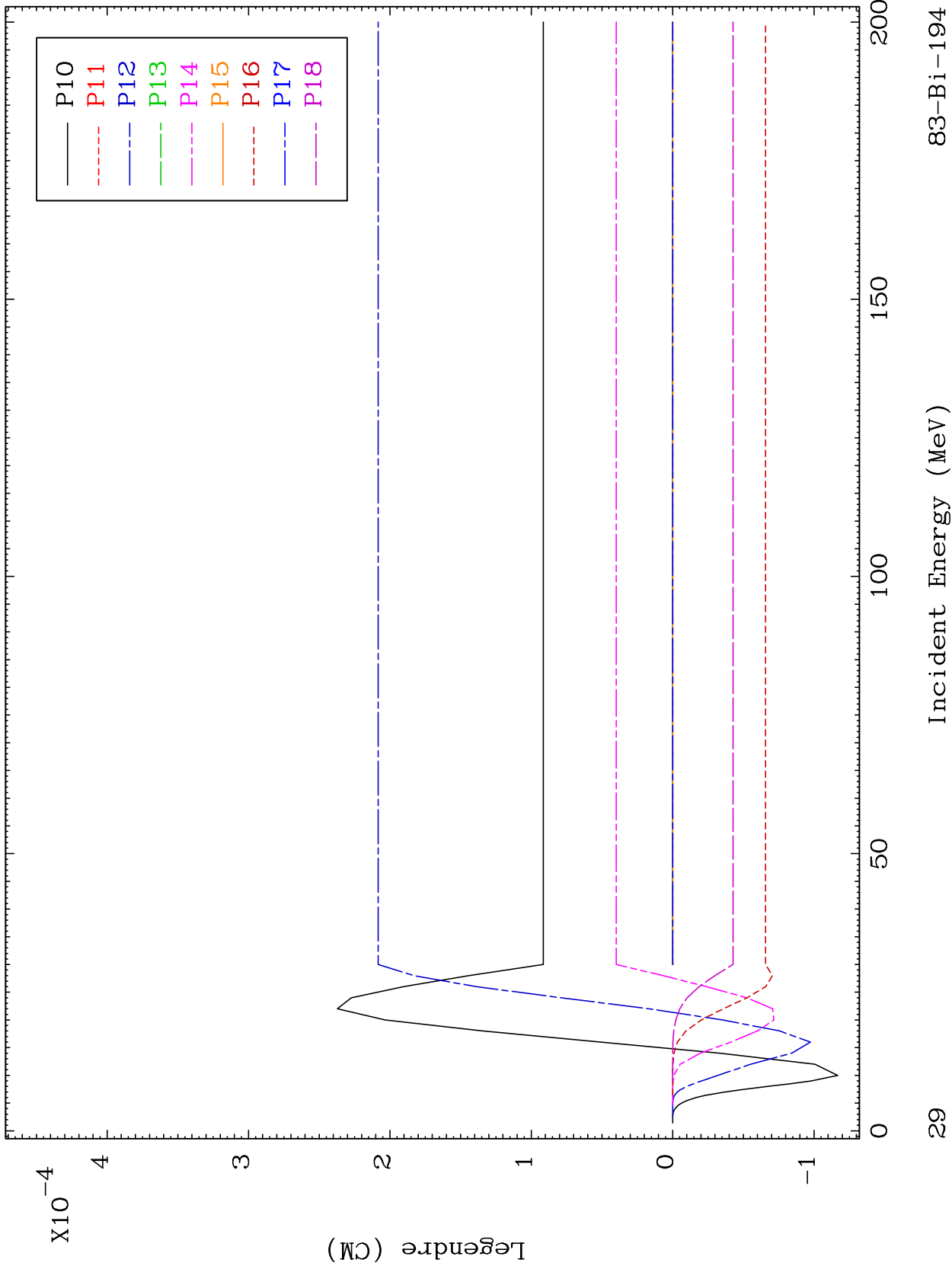
83-Bi-194

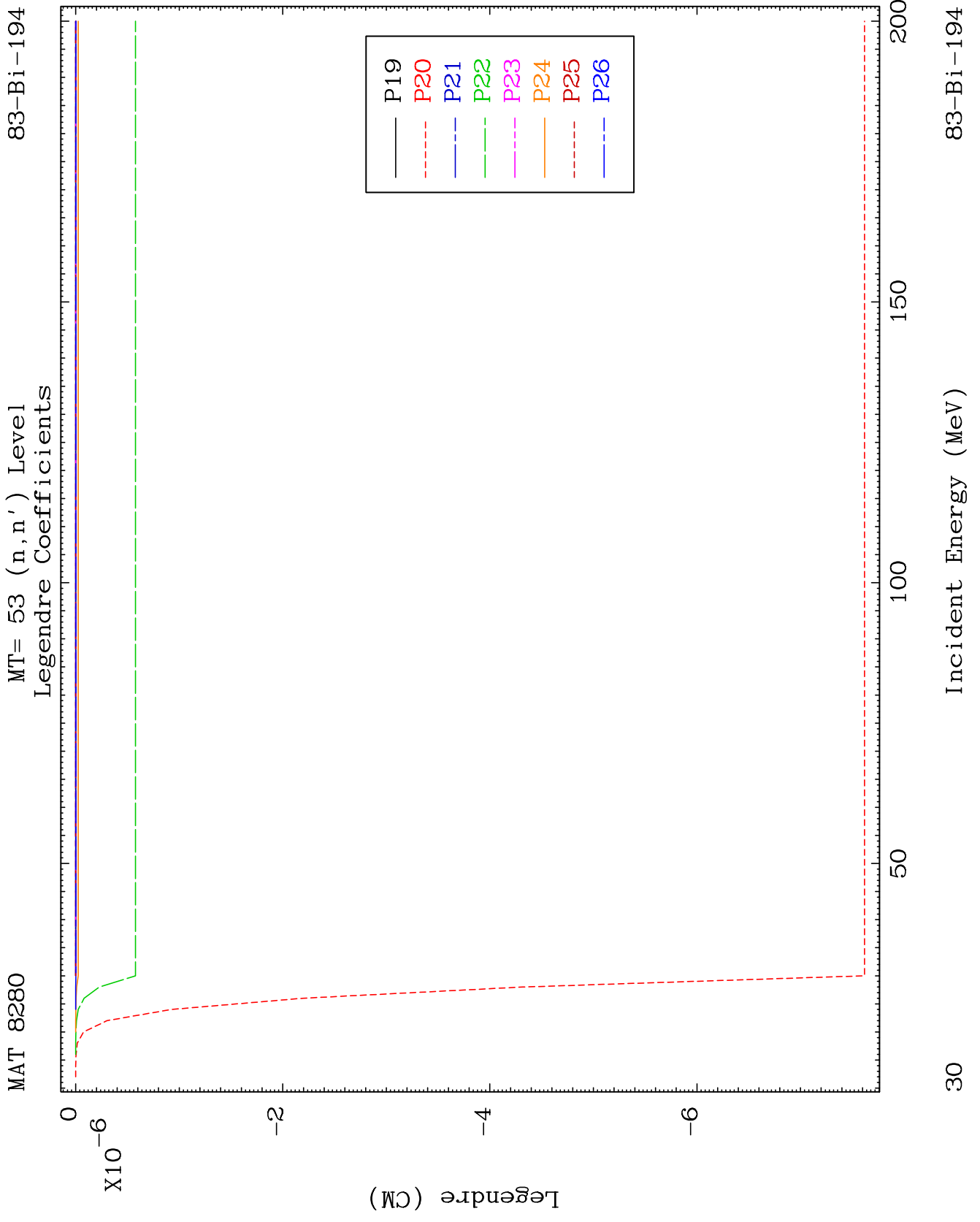


MAT 8280

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

83-Bi-194

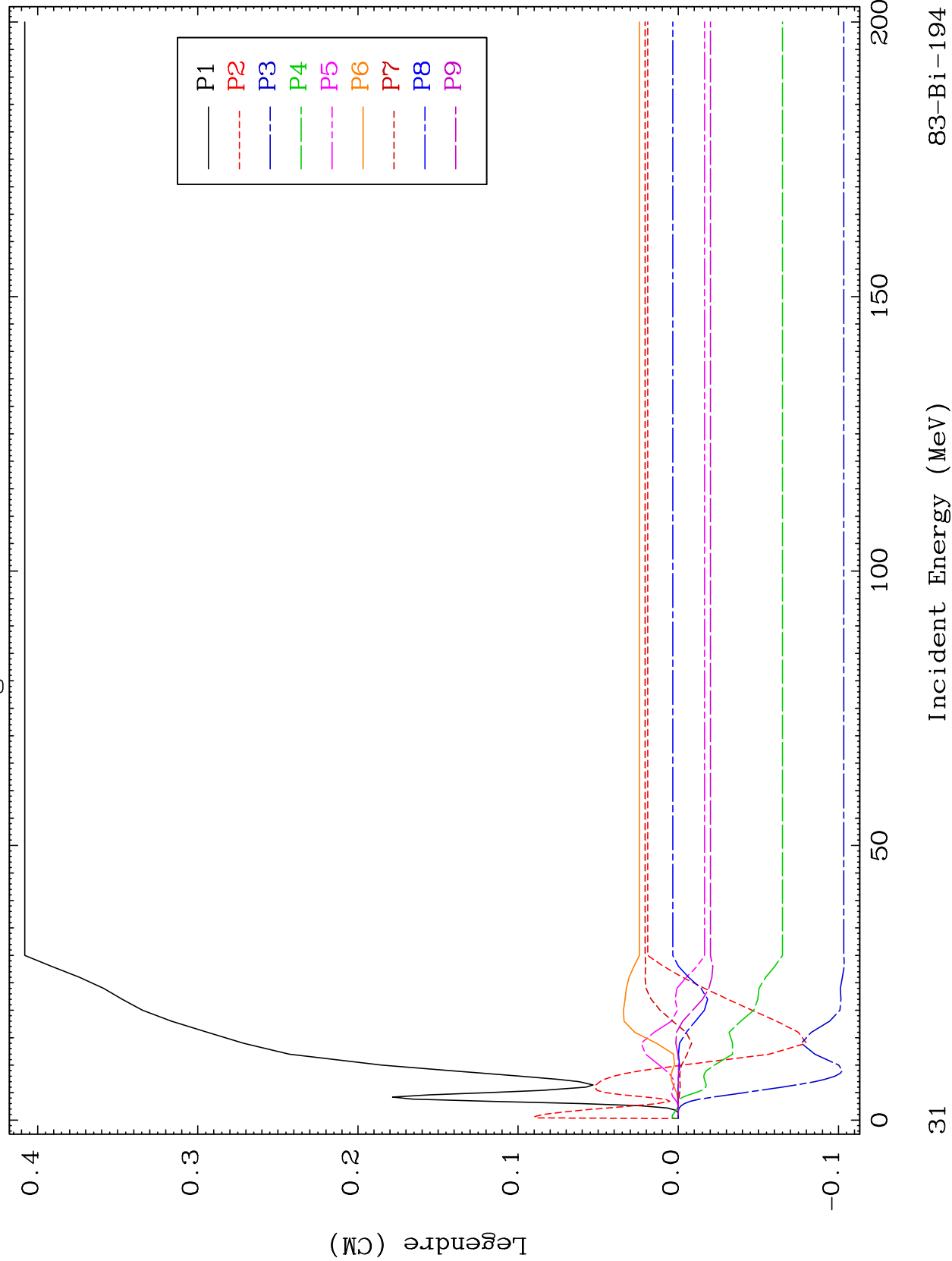




MAT 8280

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

83-Bi-194



31

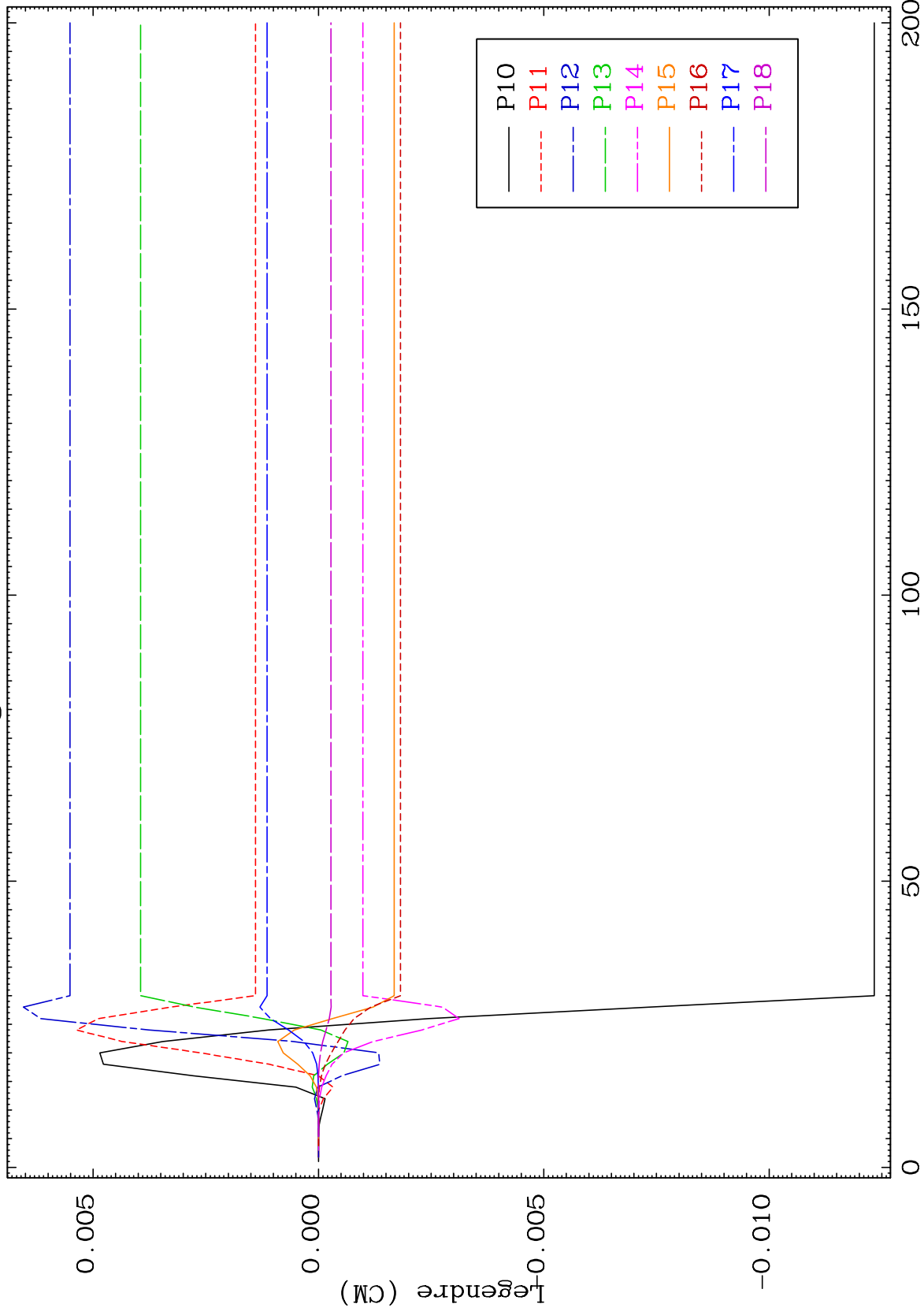
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



32

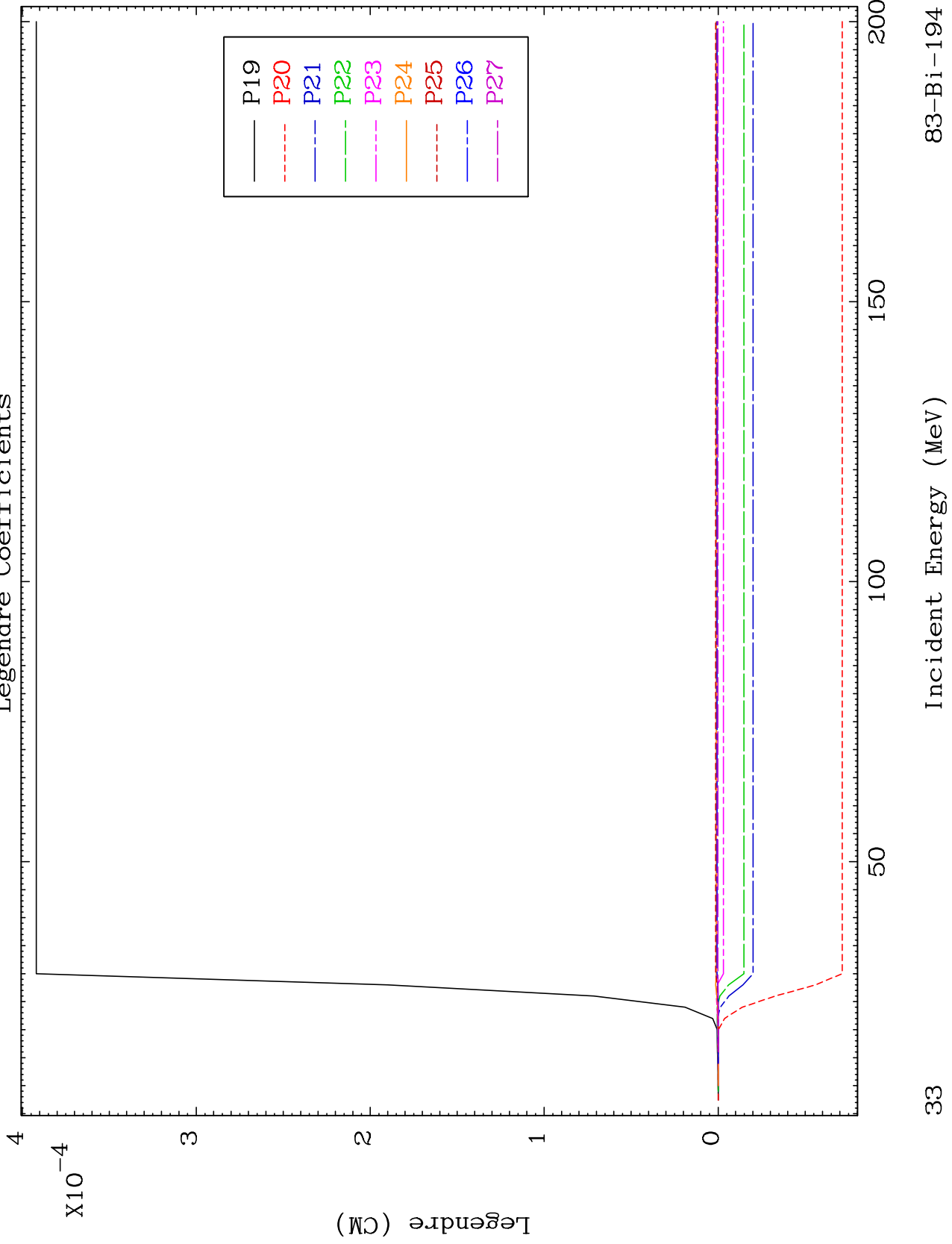
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



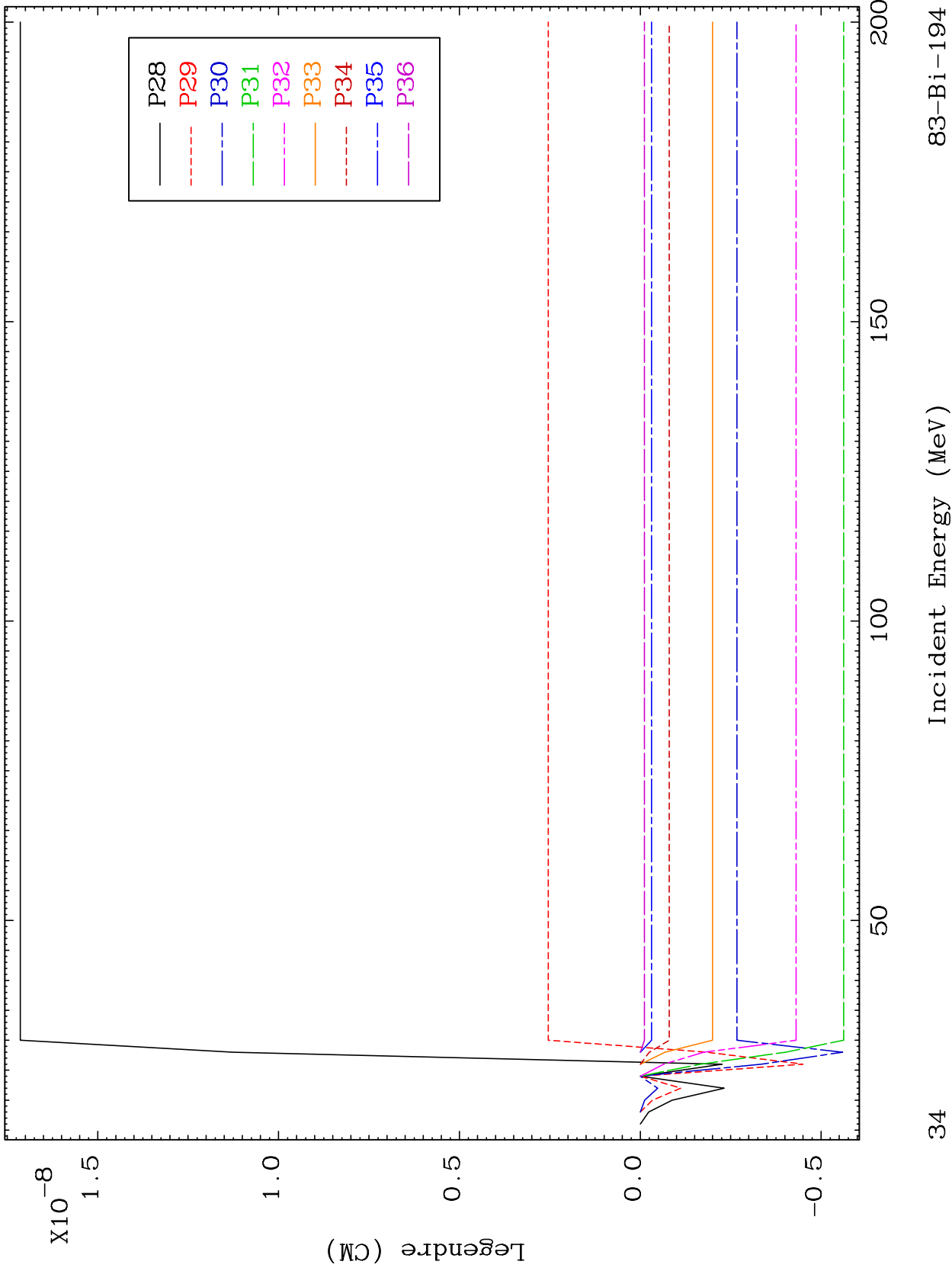
33

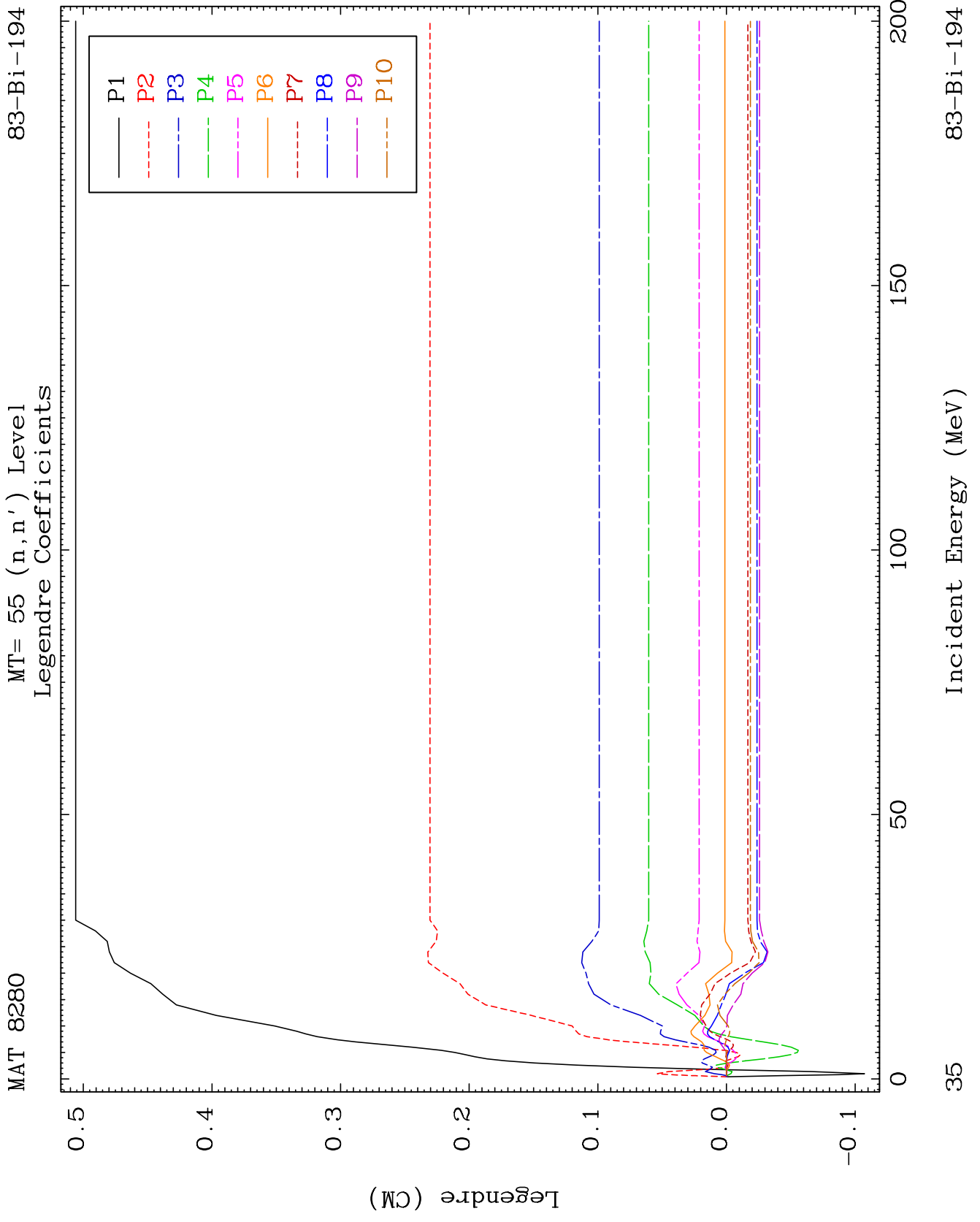
83-Bi-194

MAT 8280

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

83-Bi-194

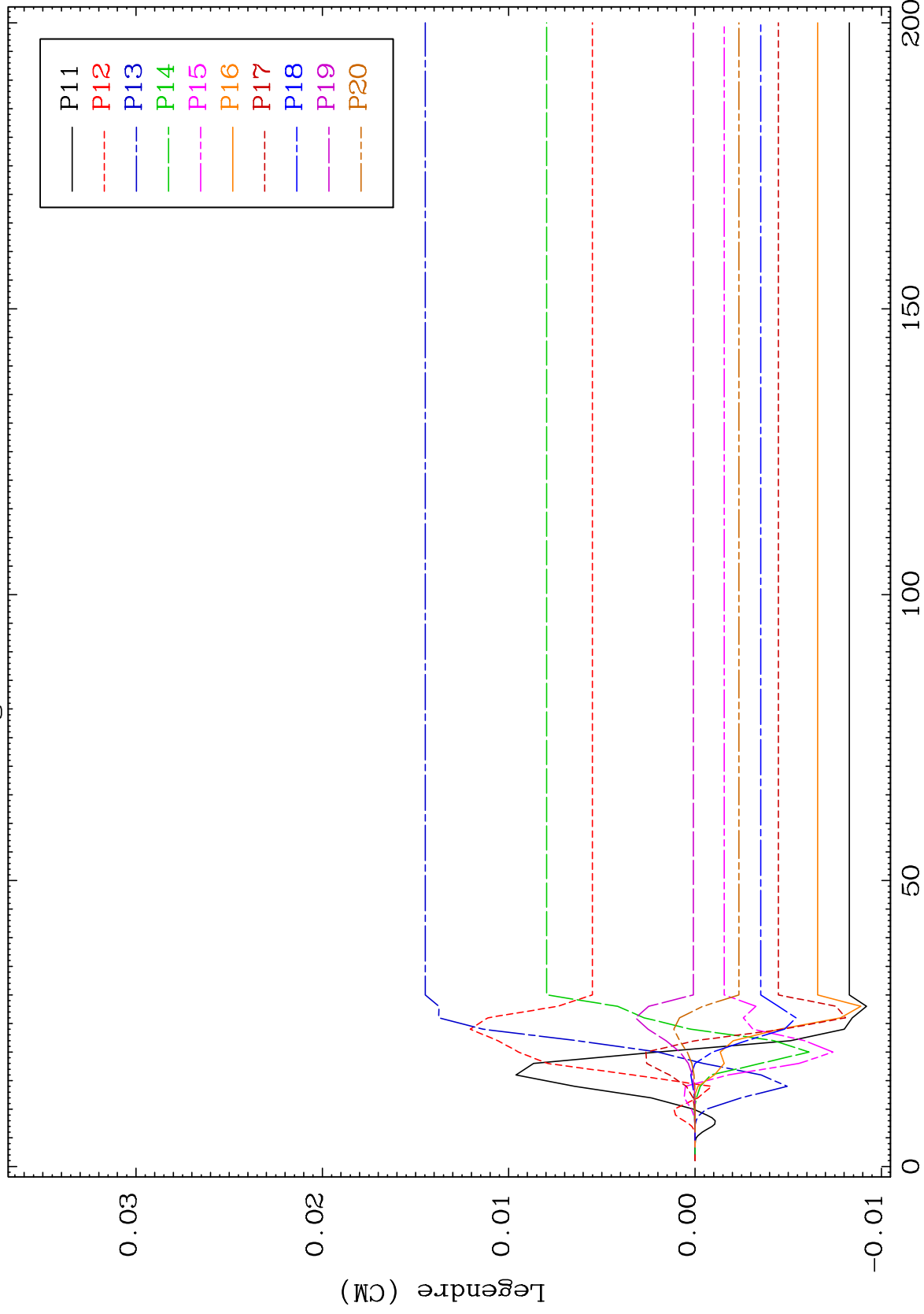




MAT 8280

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

83-Bi-194



36

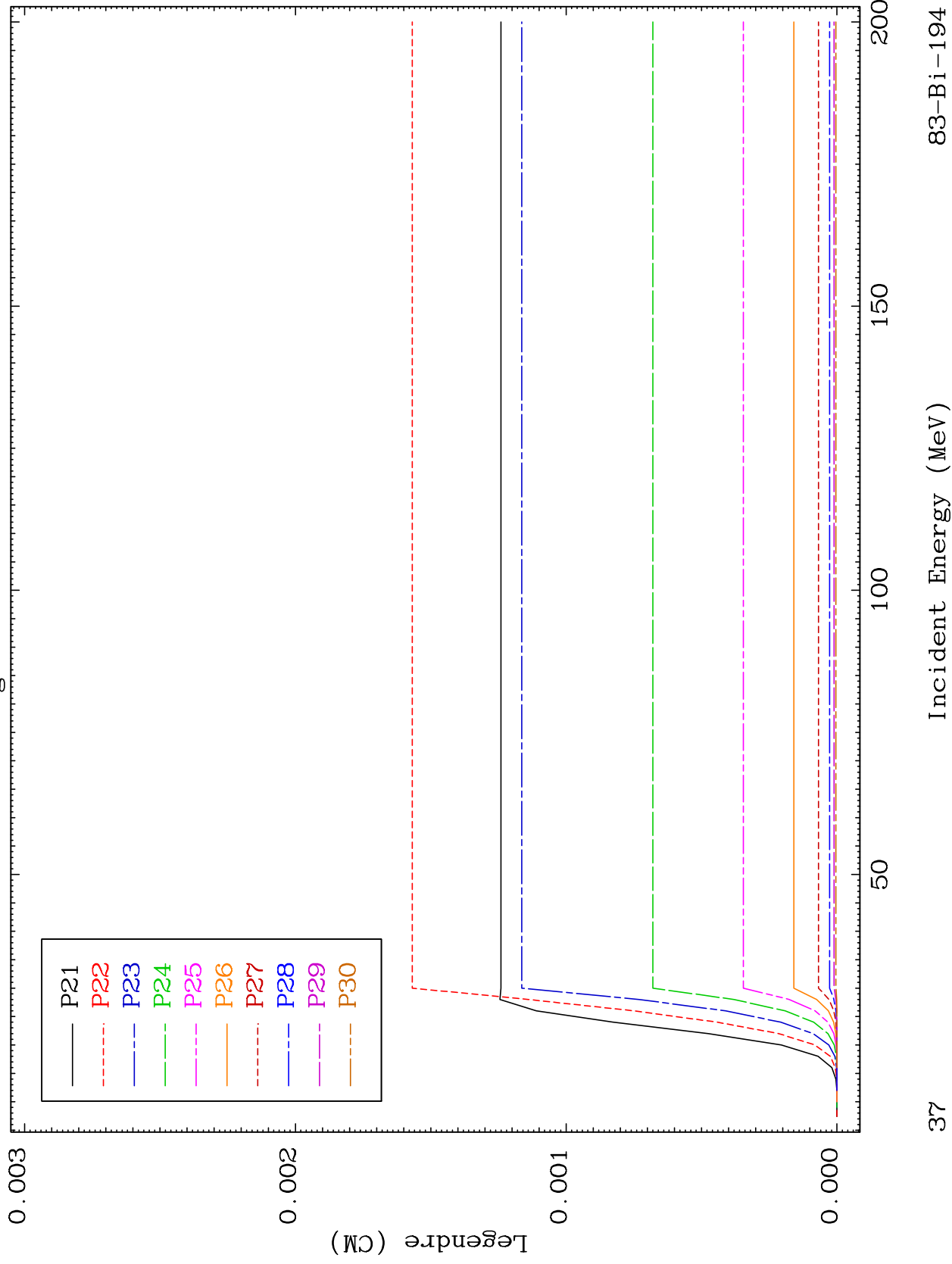
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



37

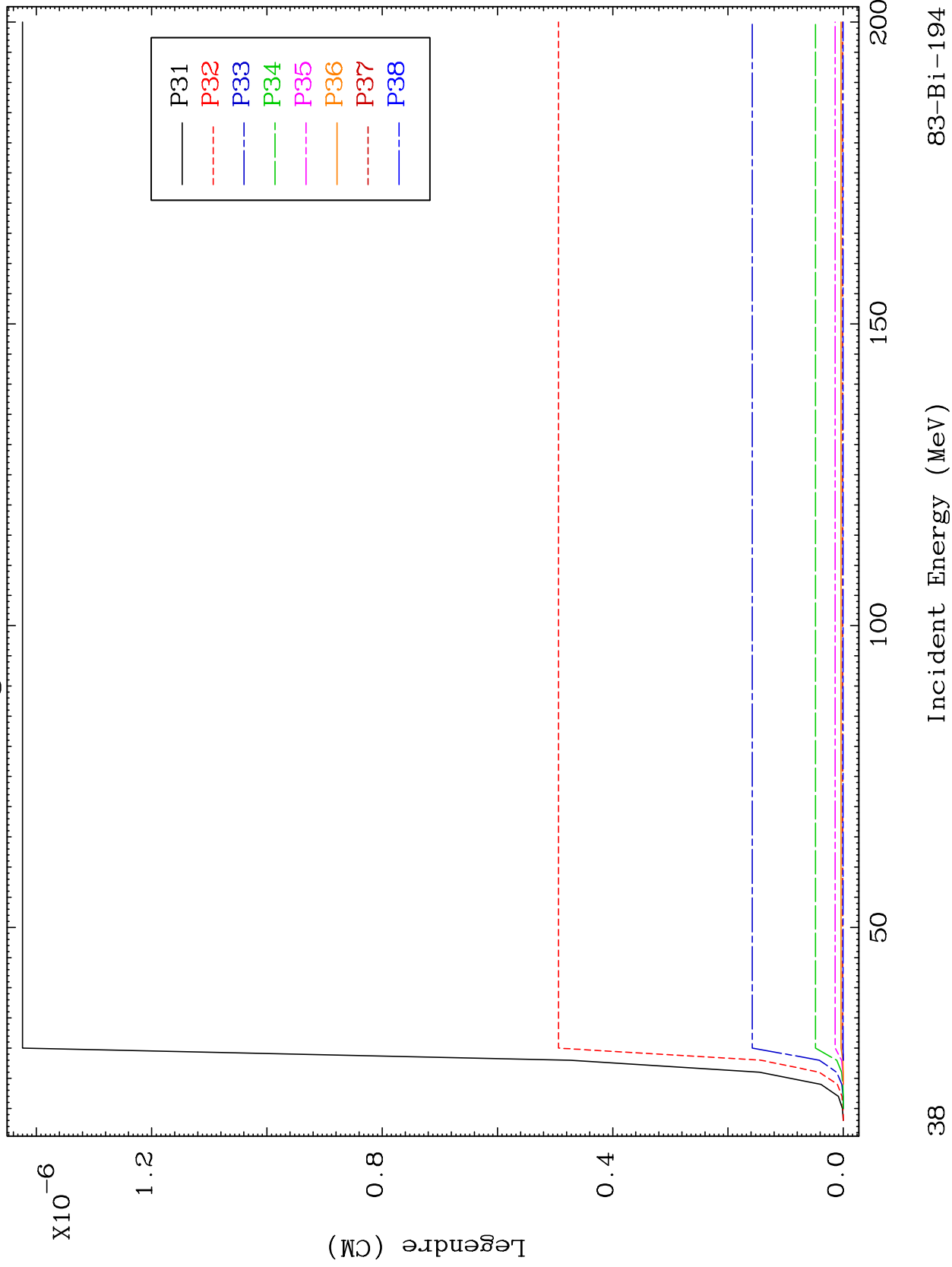
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

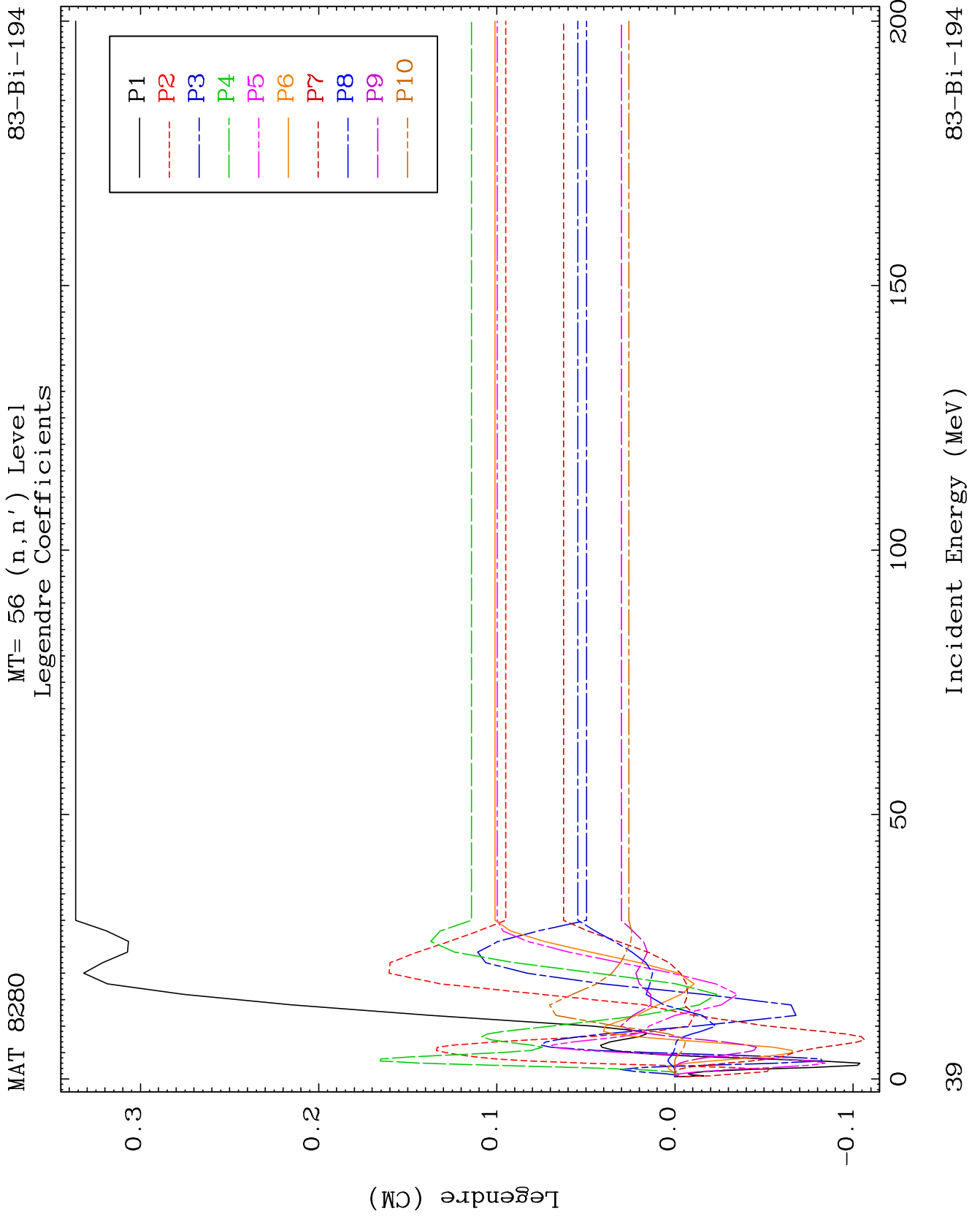
83-Bi-194

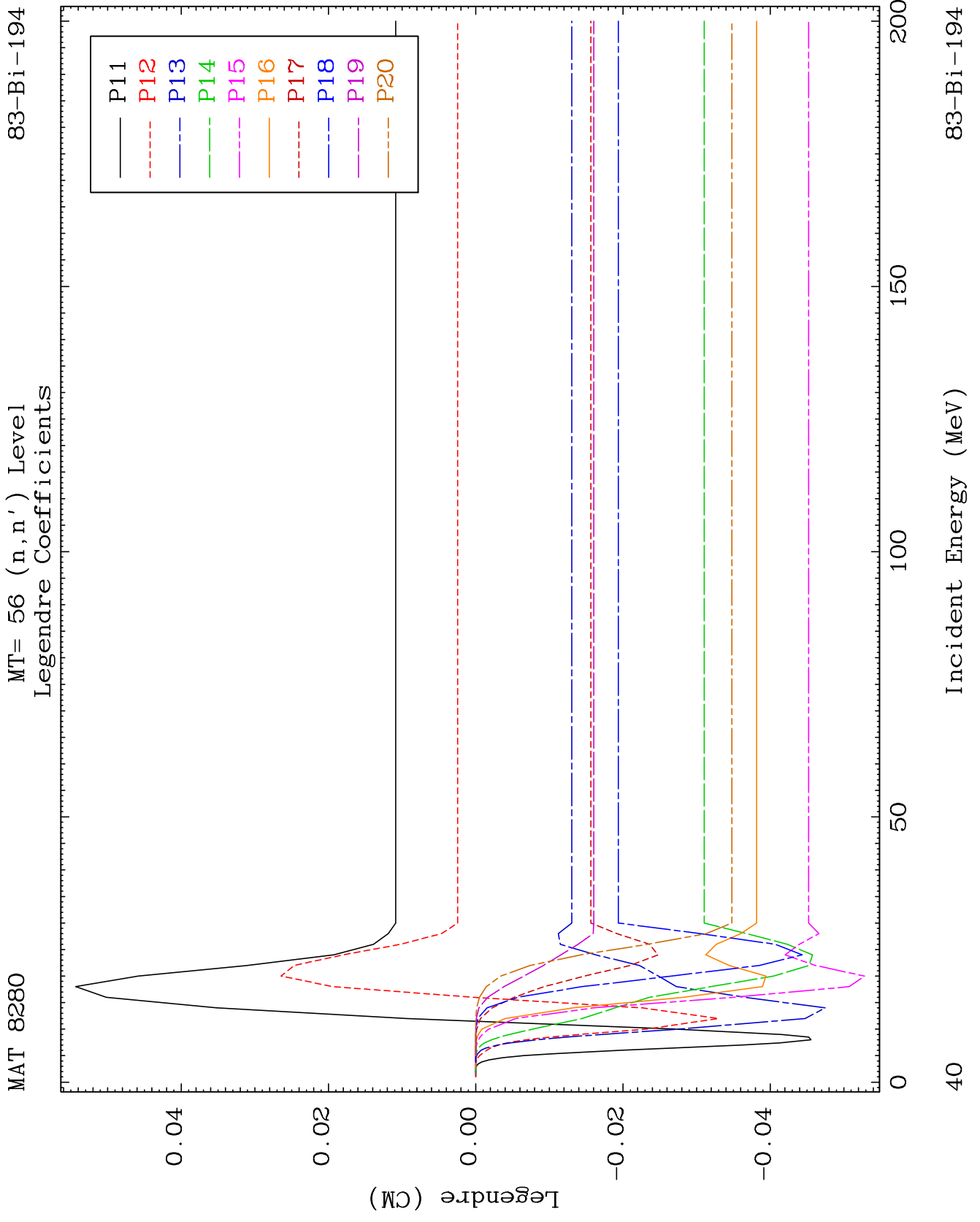


38

Incident Energy (MeV)

83-Bi-194

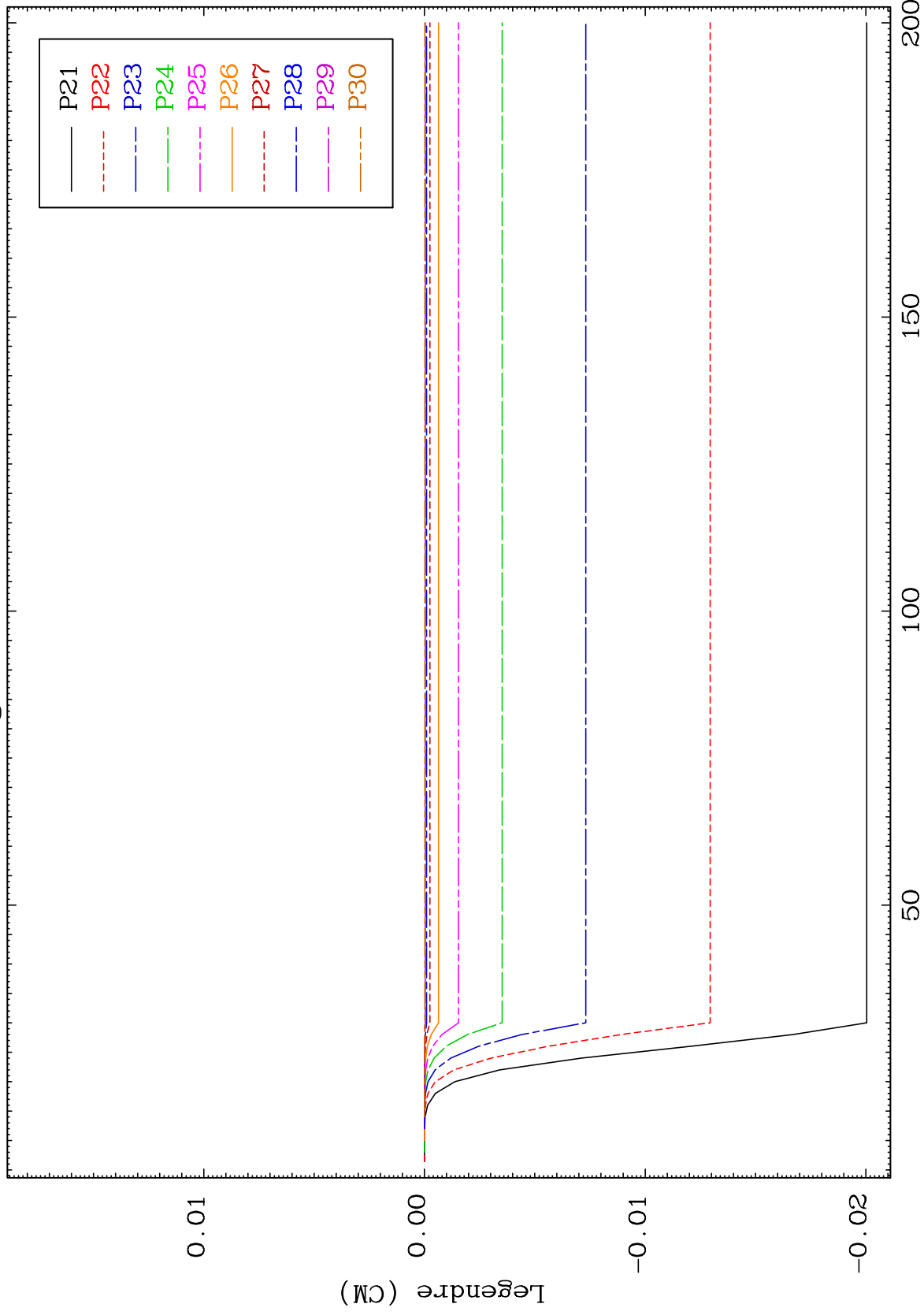




MAT 8280

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

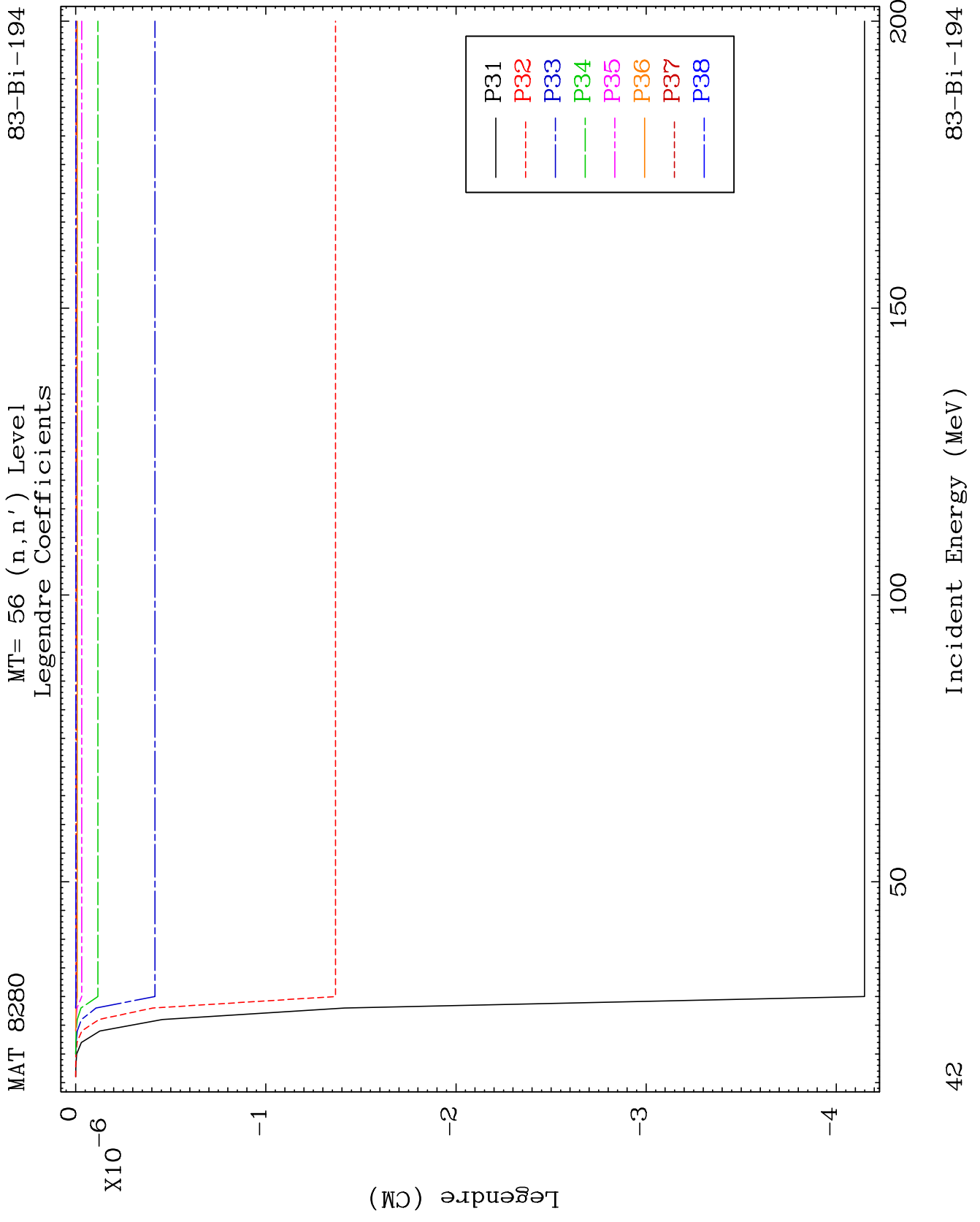
83-Bi-194



41

Incident Energy (MeV)

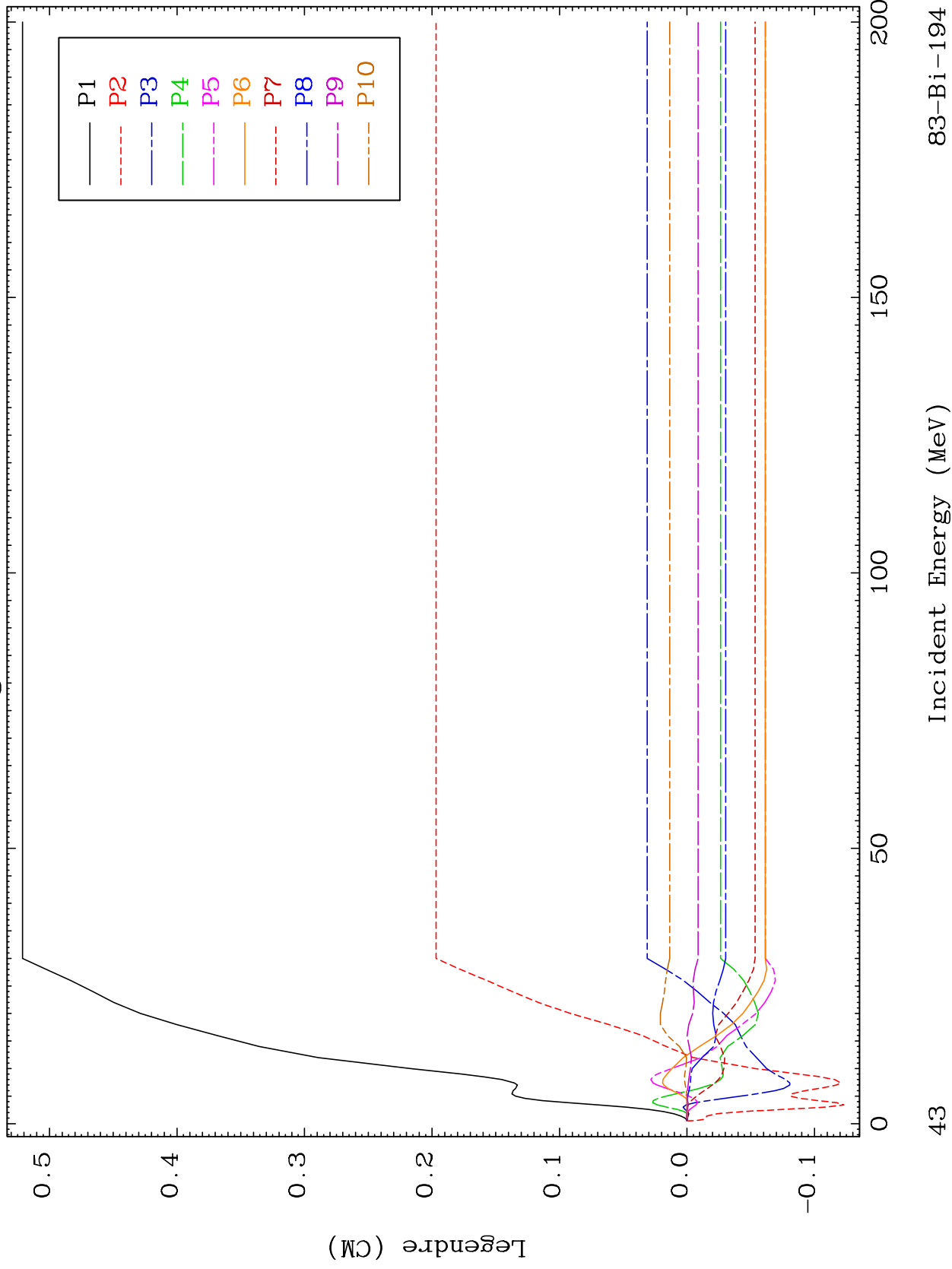
83-Bi-194



MAT 8280

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

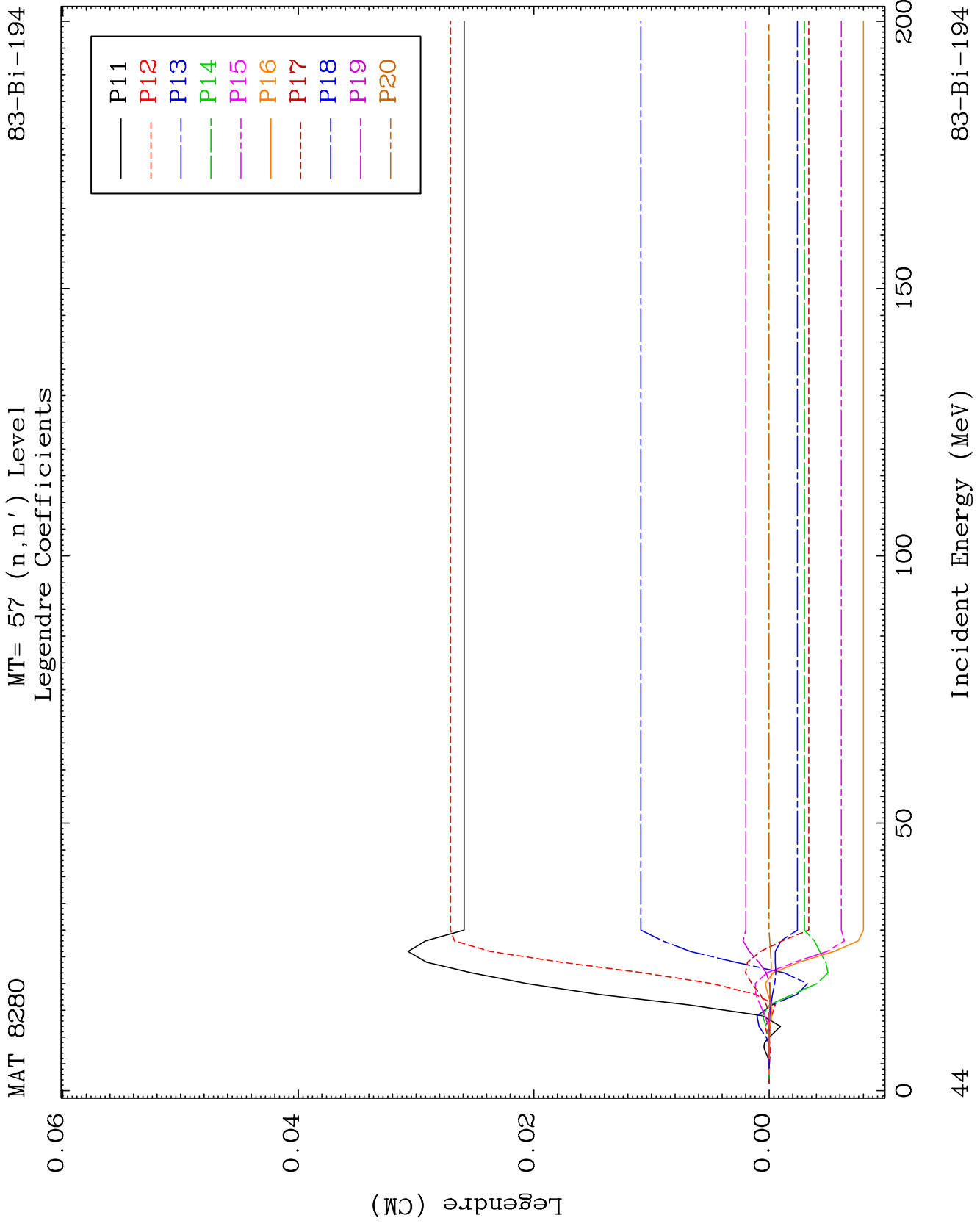
83-Bi-194



83-Bi-194

Incident Energy (MeV)

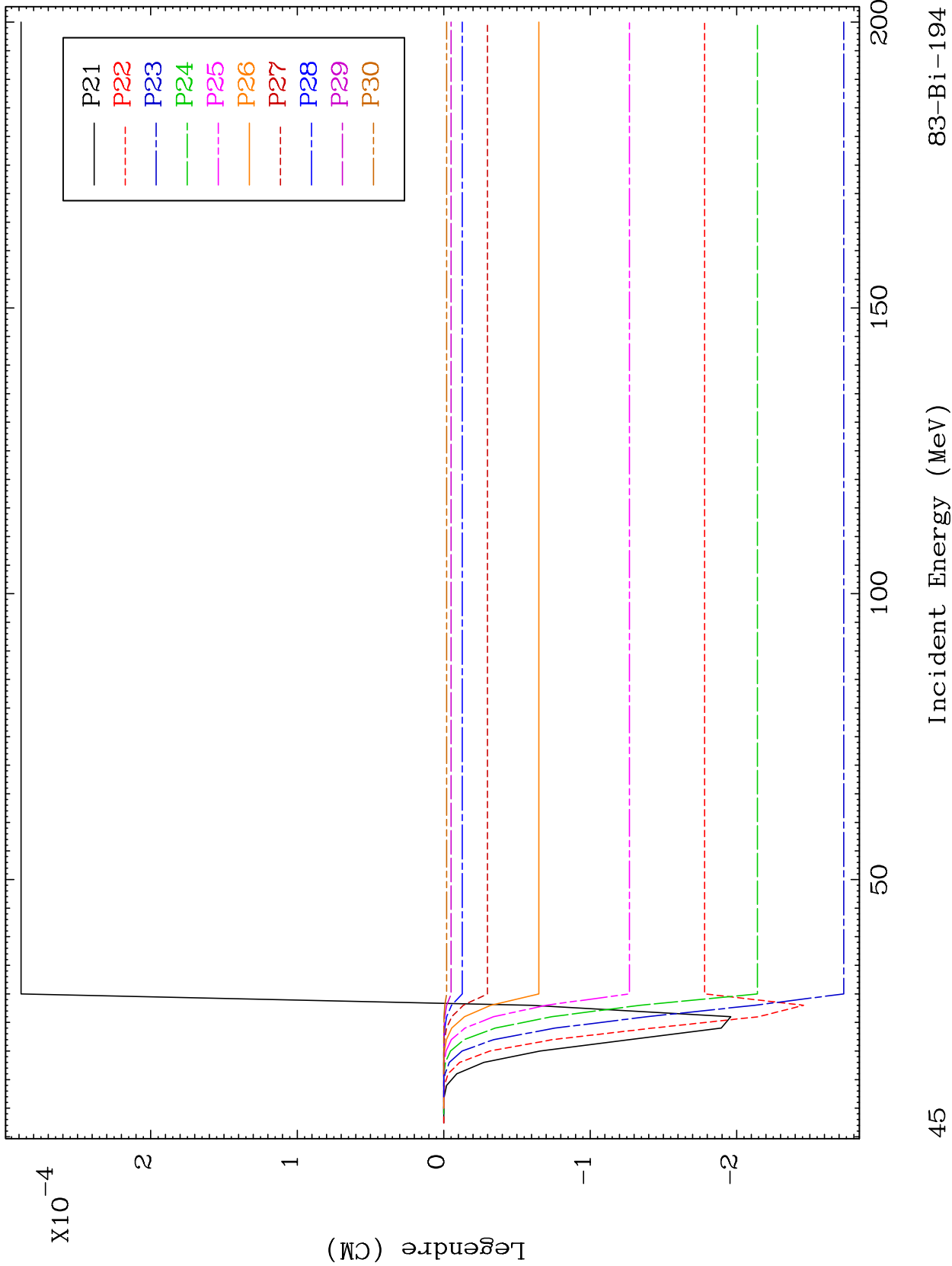
43



MAT 8280

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

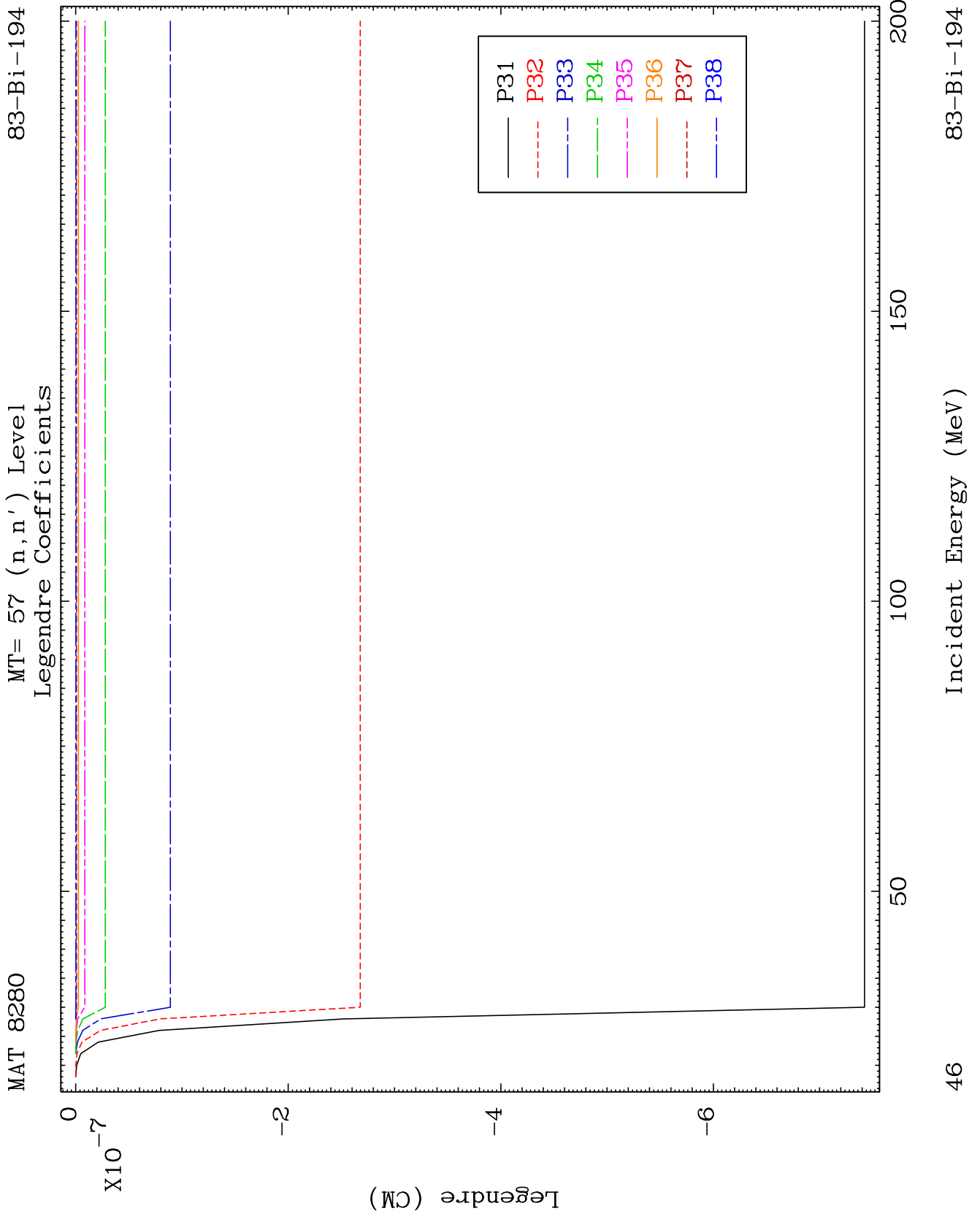
83-Bi-194



45

Incident Energy (MeV)

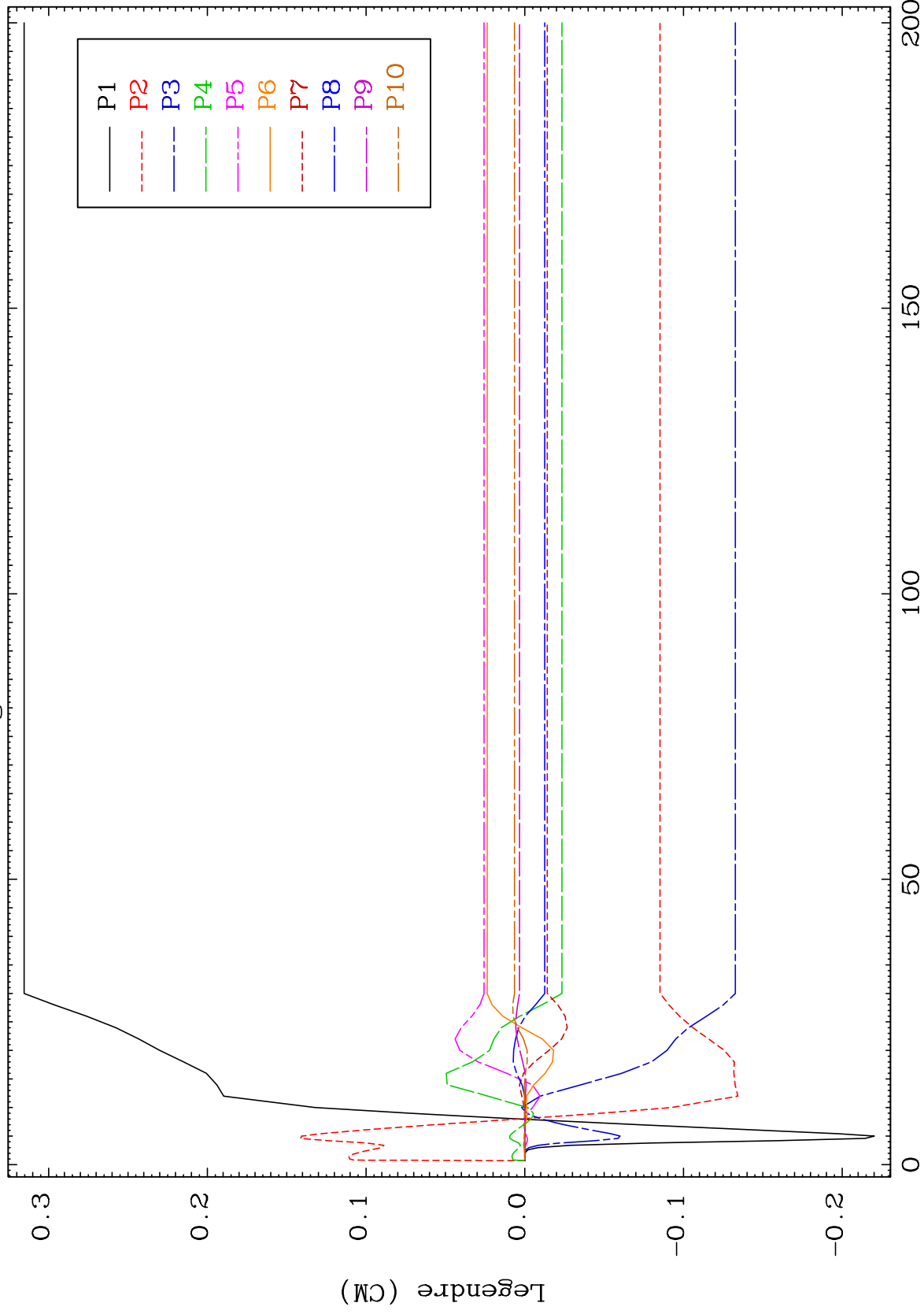
83-Bi-194



MAT 8280

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

83-Bi-194



47

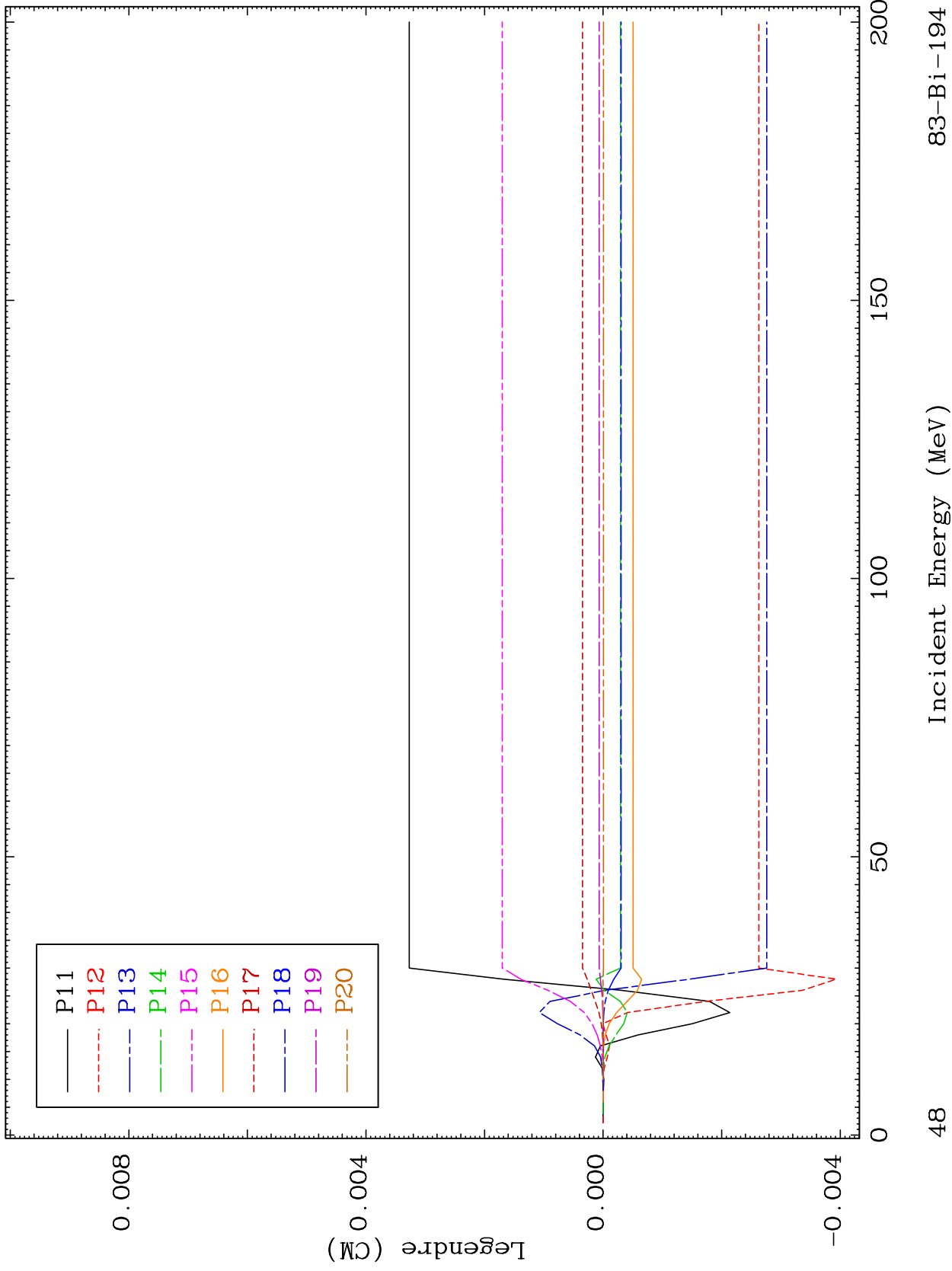
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



48

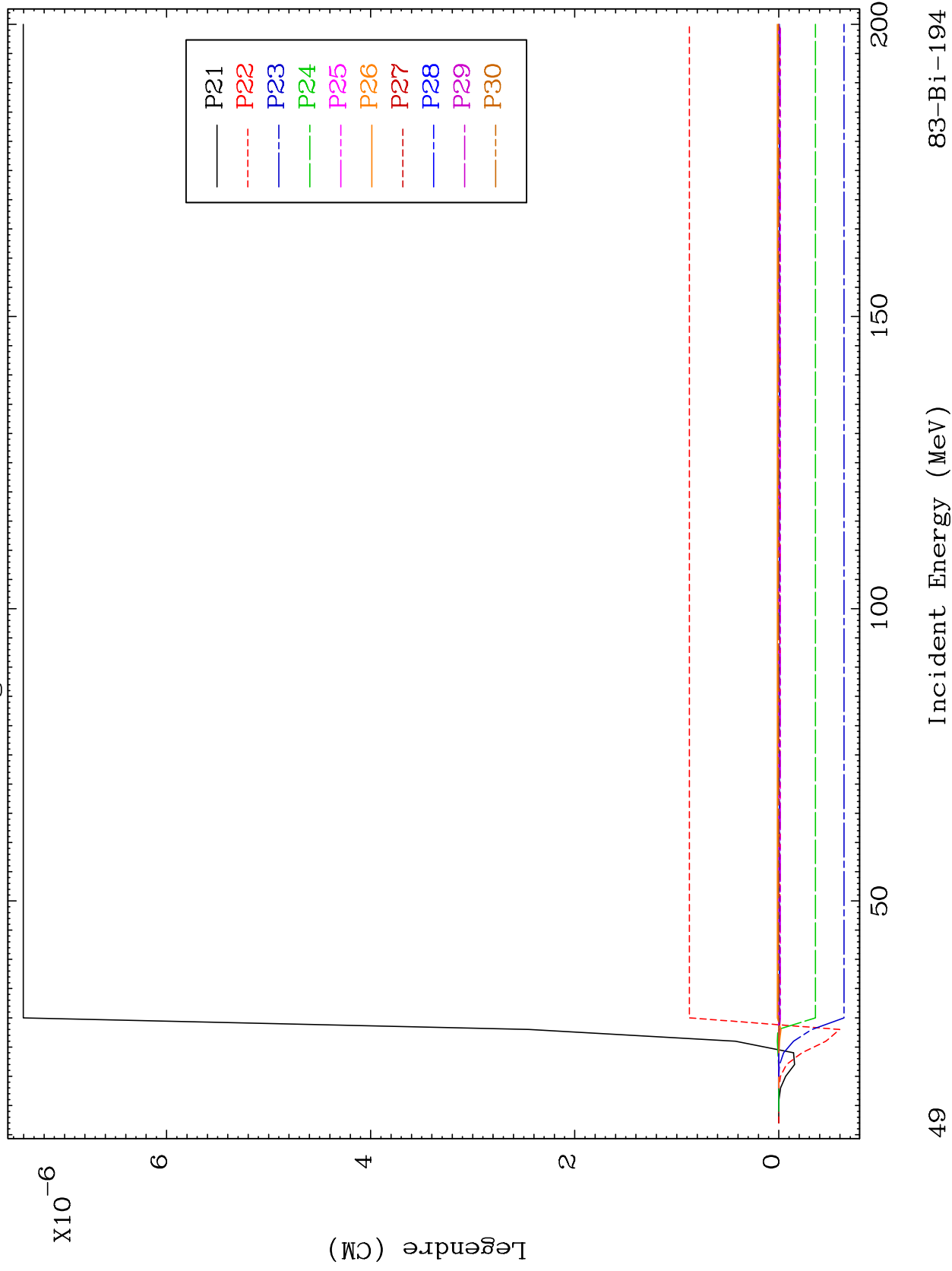
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

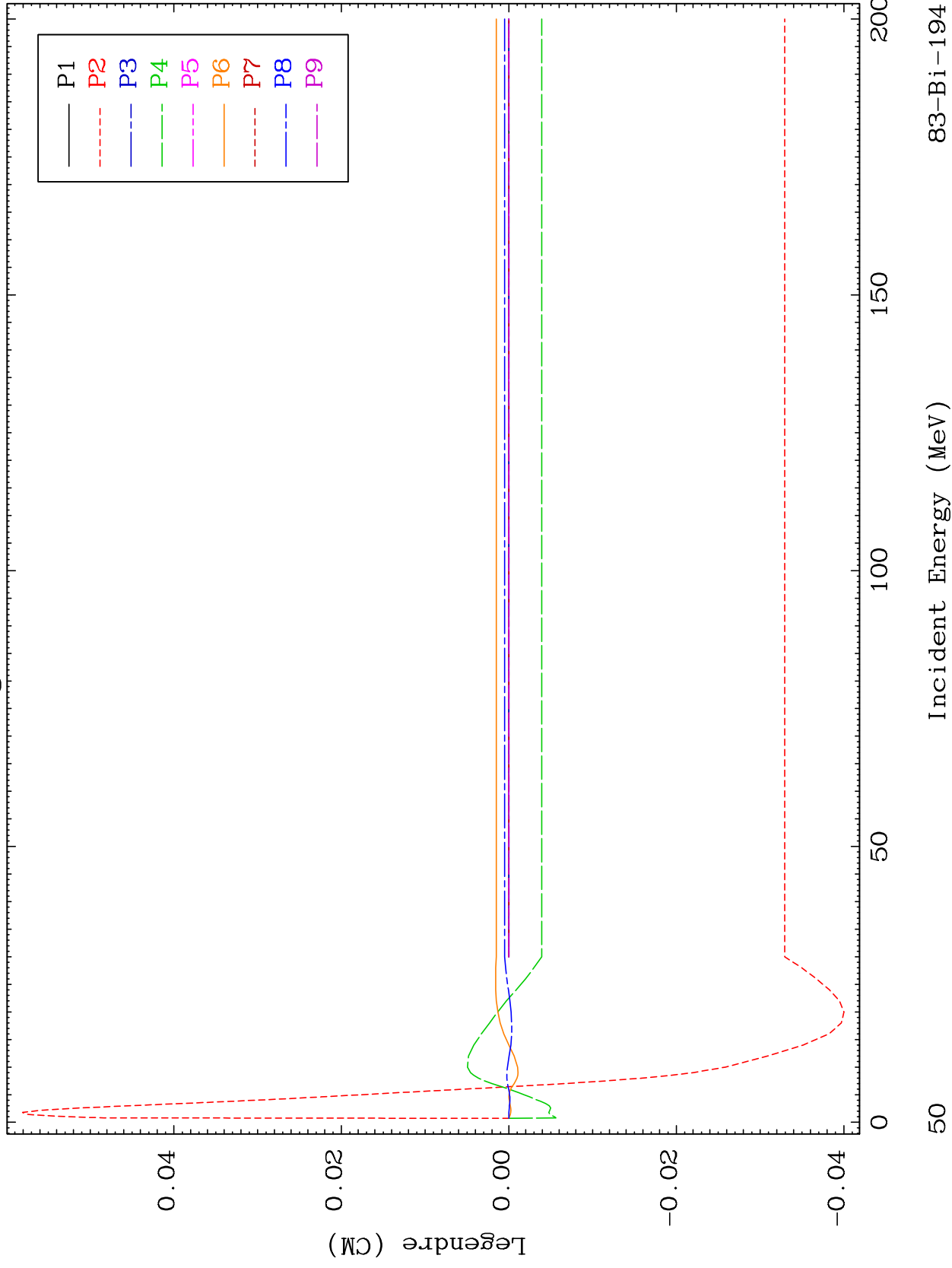
83-Bi-194



MAT 8280

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

83-Bi-194

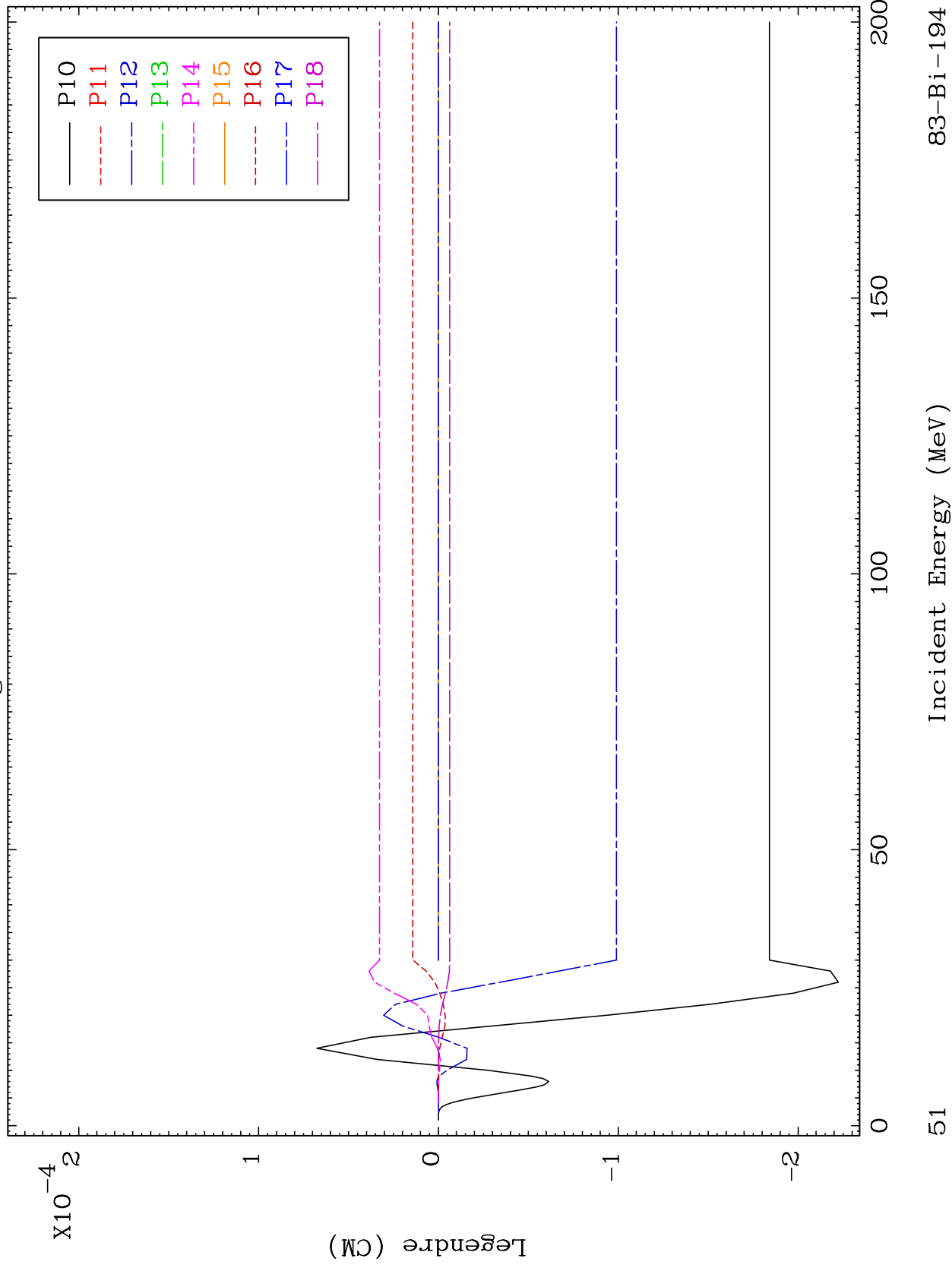


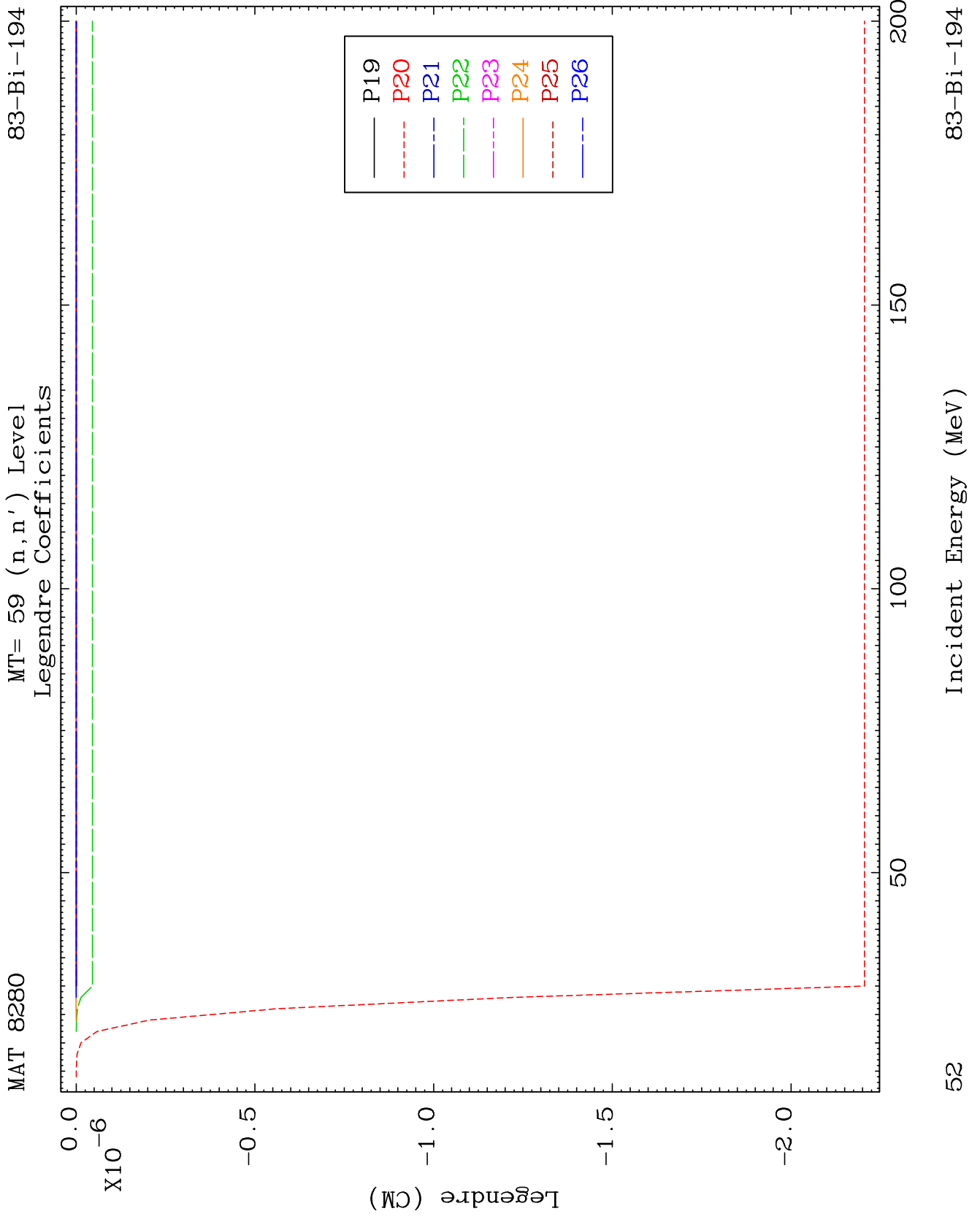
83-Bi-194

MAT 8280

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

83-Bi-194

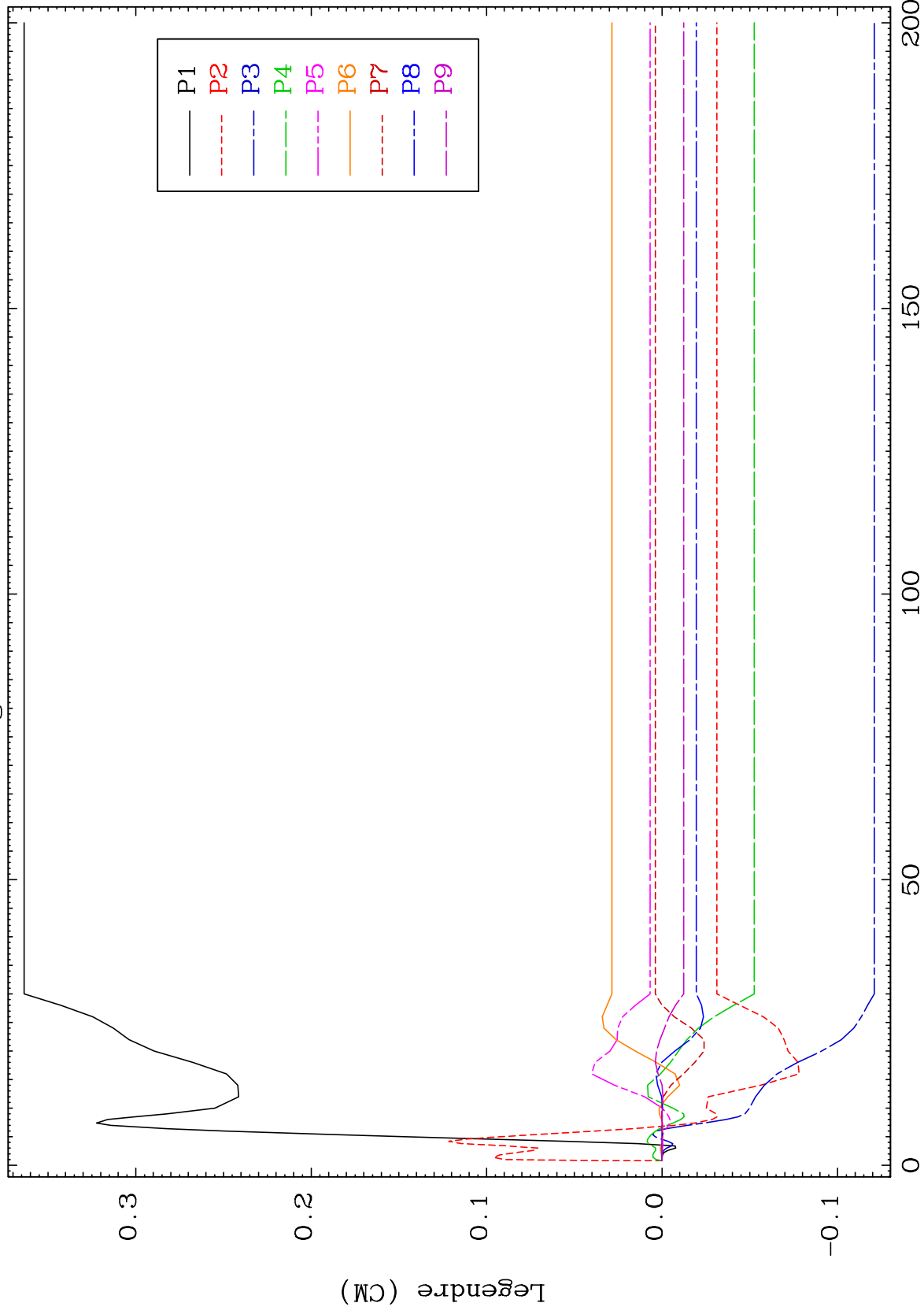




MAT 8280

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

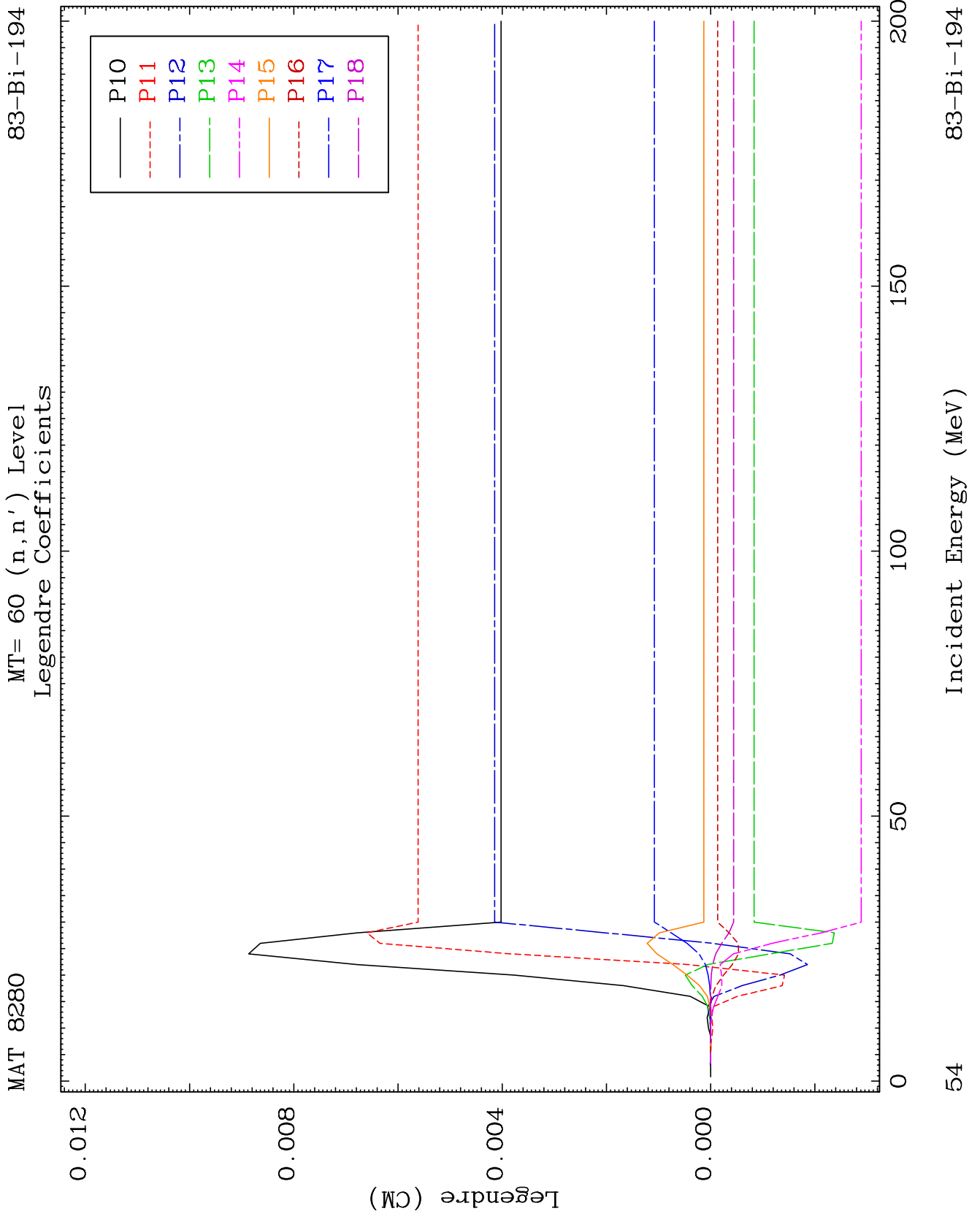
83-Bi-194



53

Incident Energy (MeV)

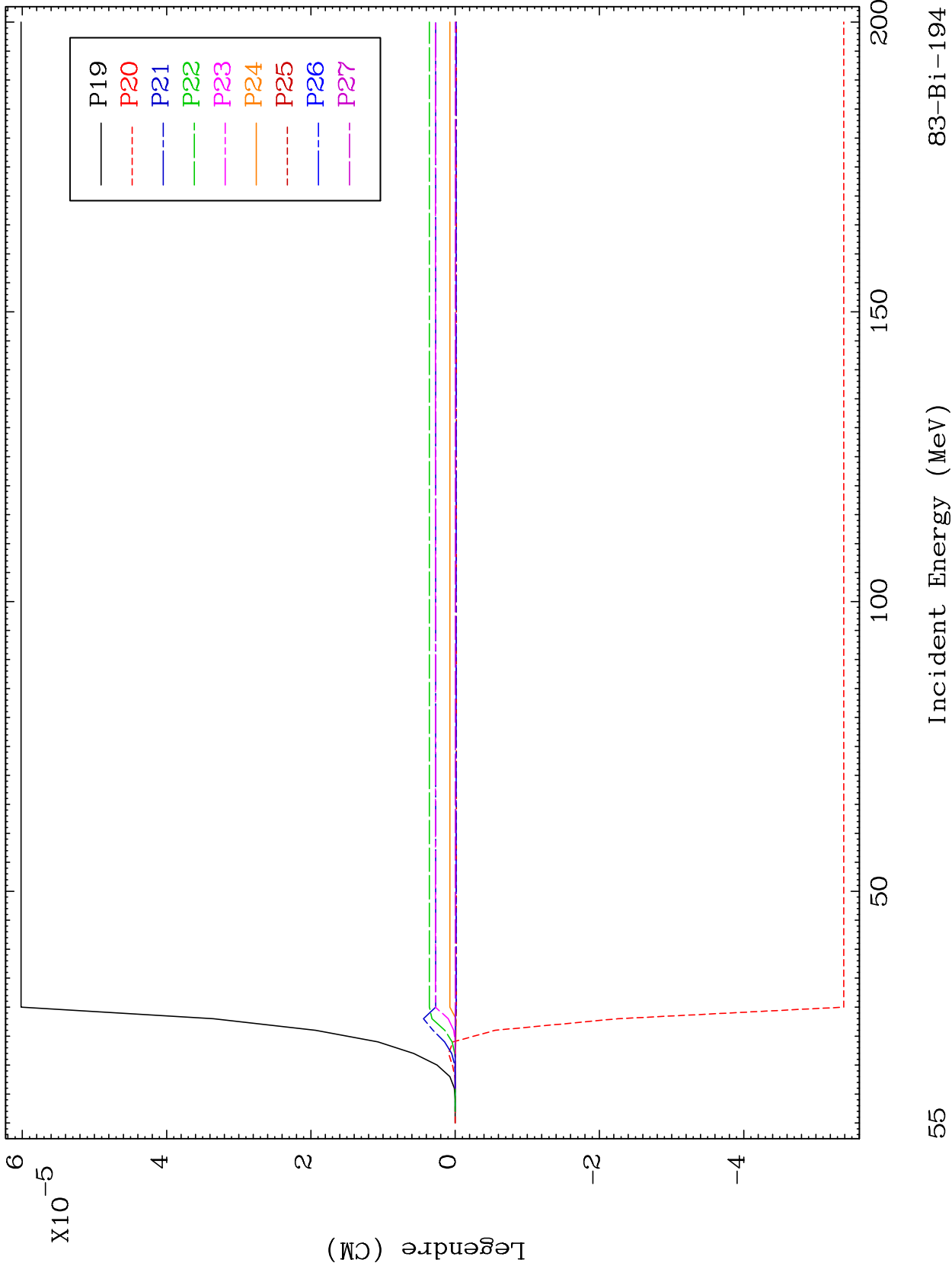
83-Bi-194



MAT 8280

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

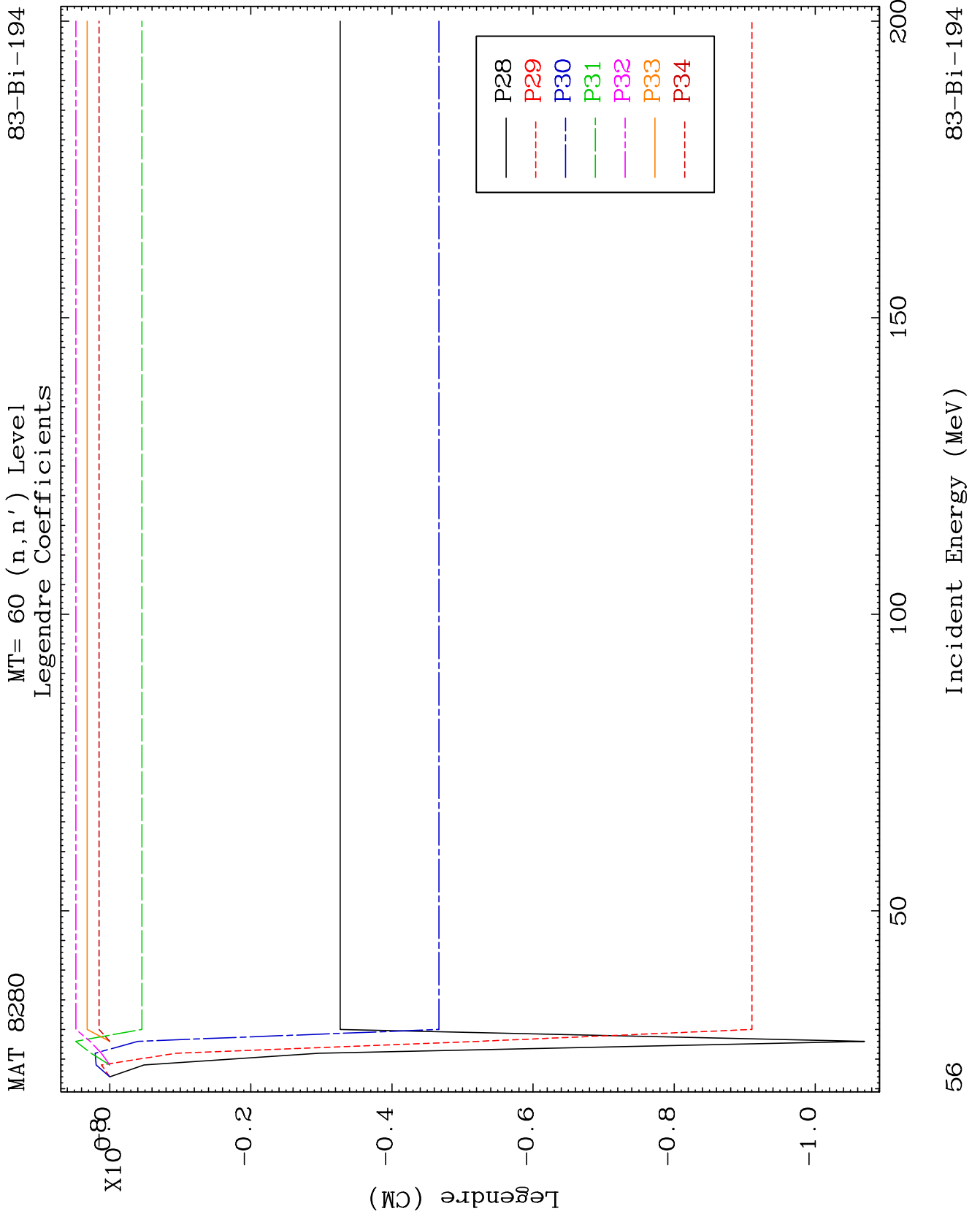
83-Bi-194



55

Incident Energy (MeV)

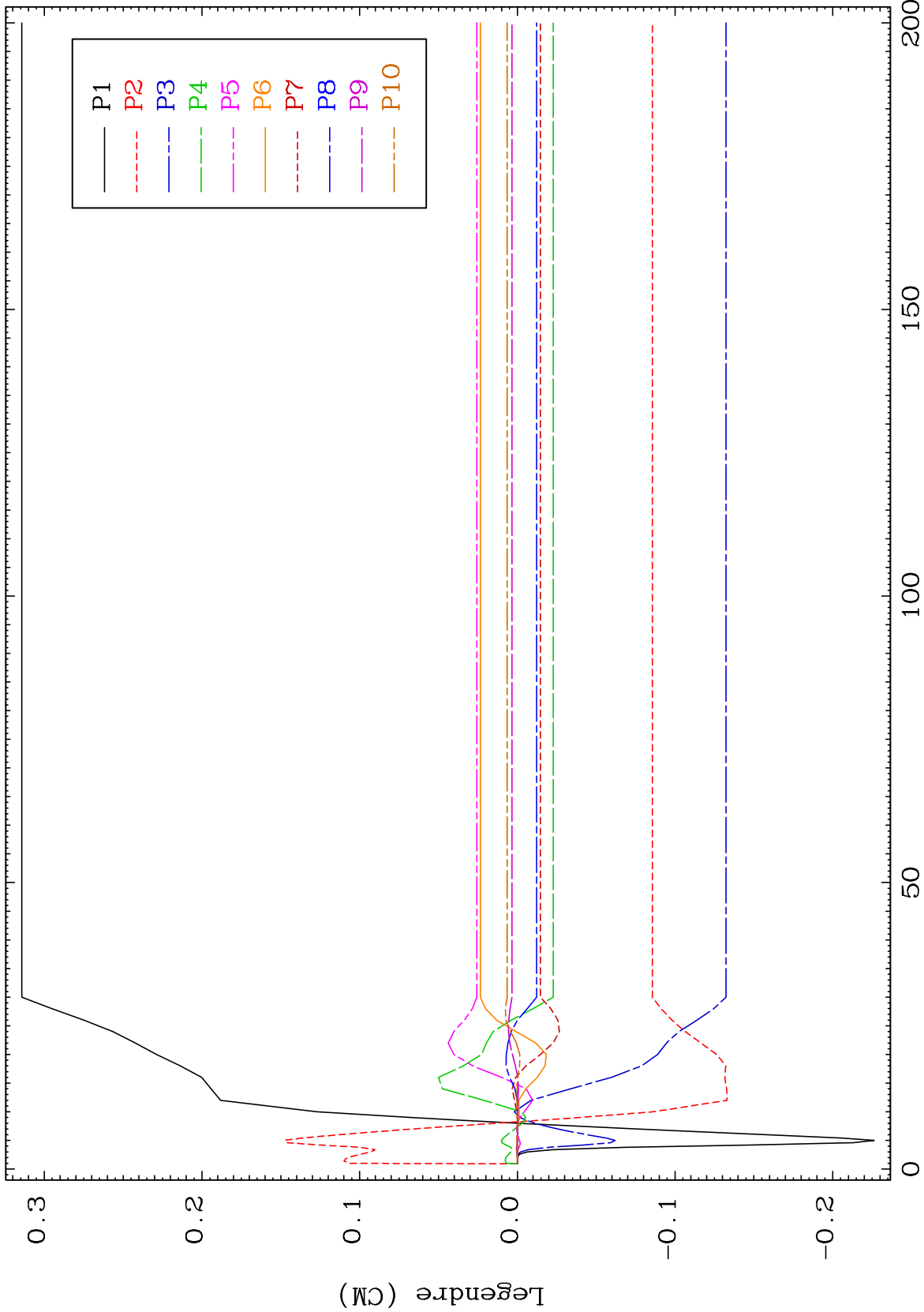
83-Bi-194



MAT 8280

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

83-Bi-194



57

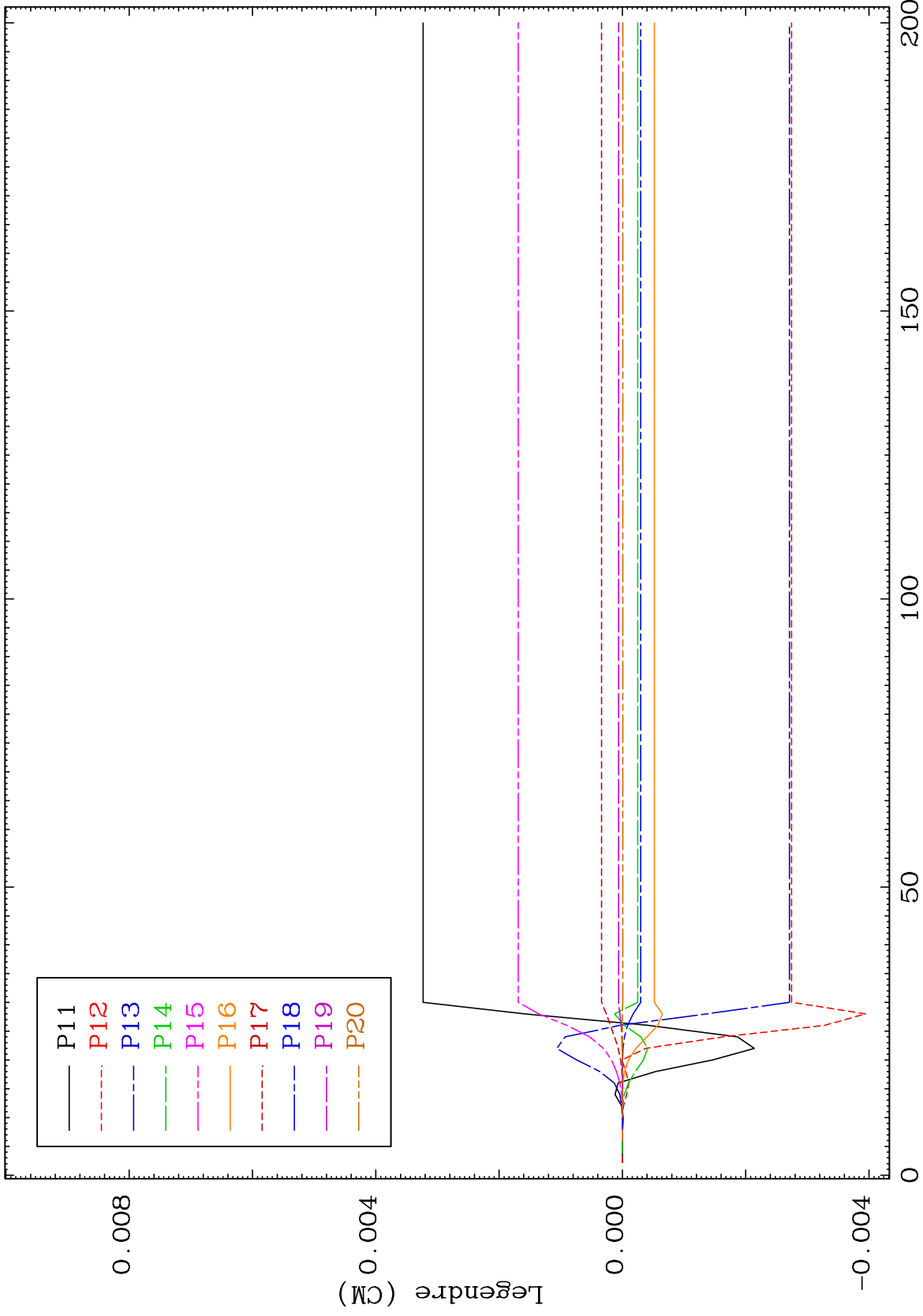
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



58

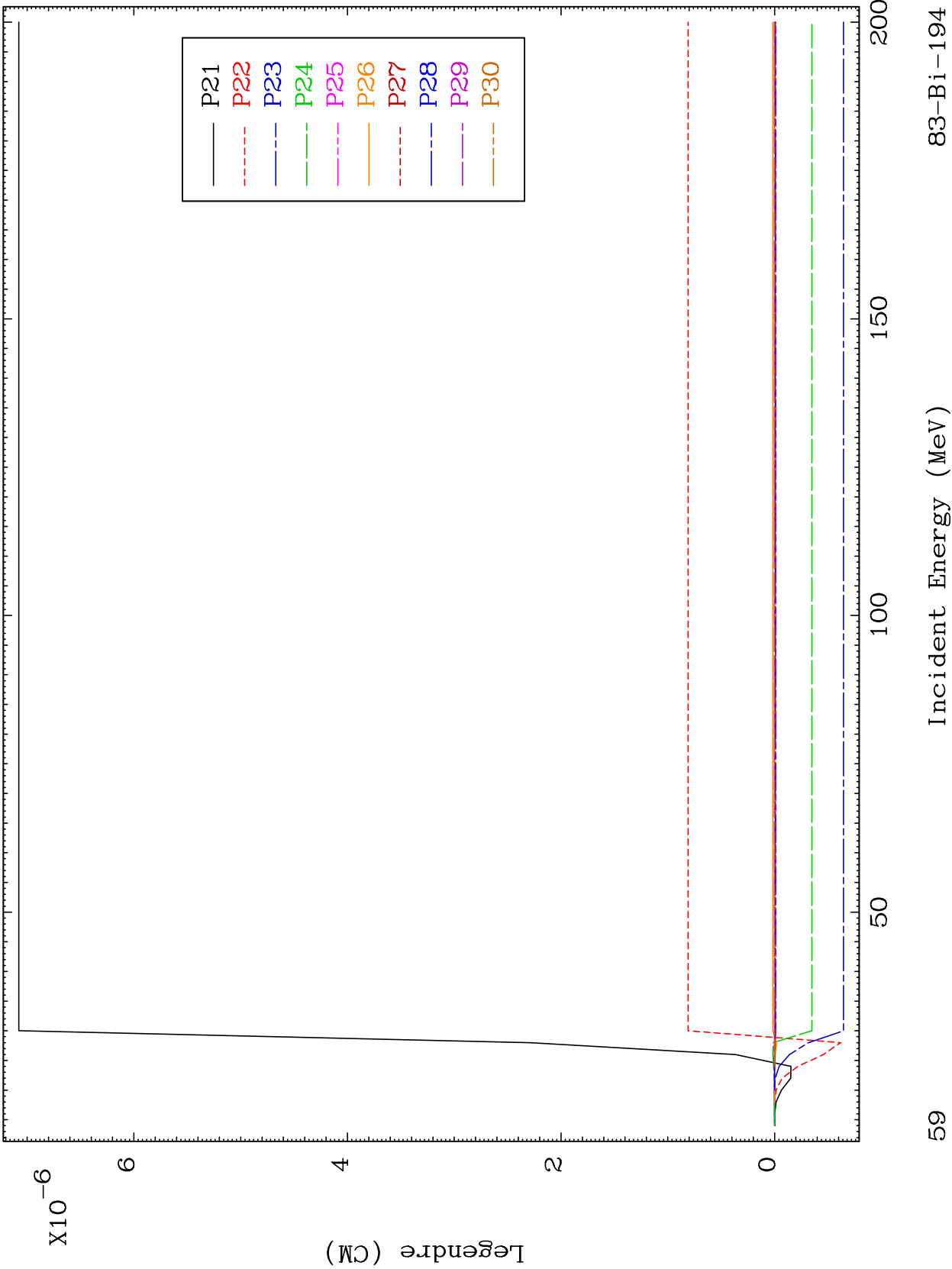
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

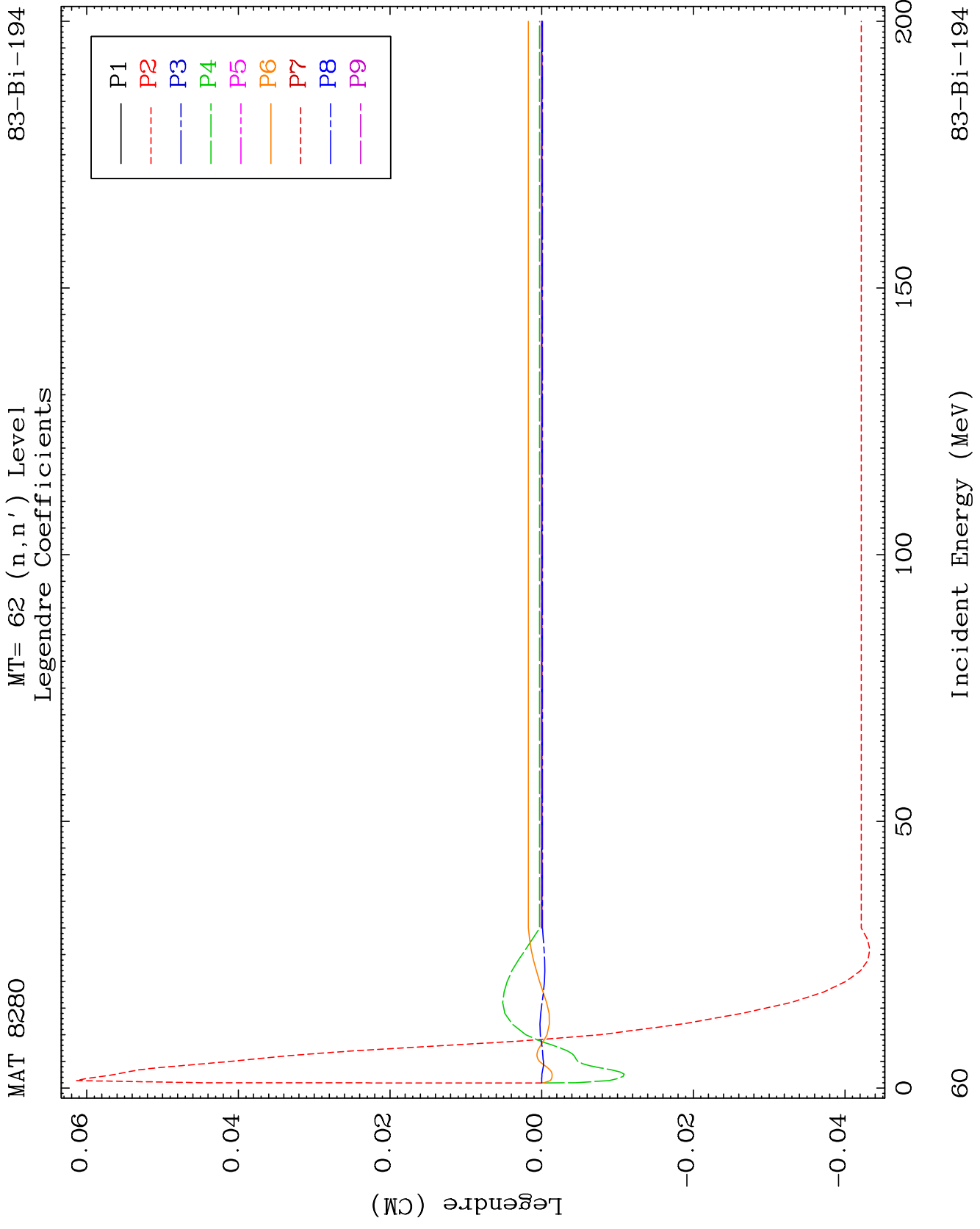
83-Bi-194



59

Incident Energy (MeV)

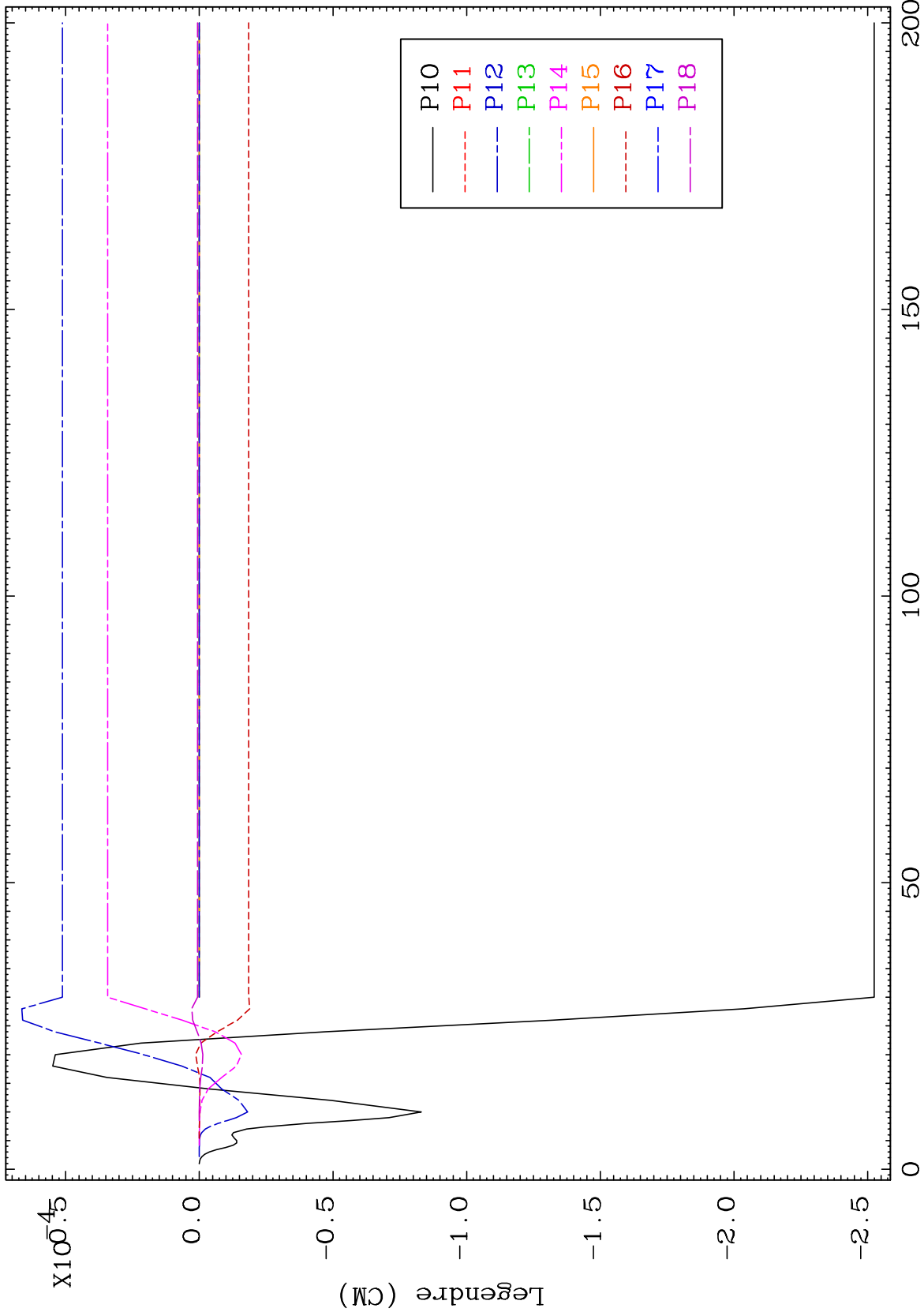
83-Bi-194



MAT 8280

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

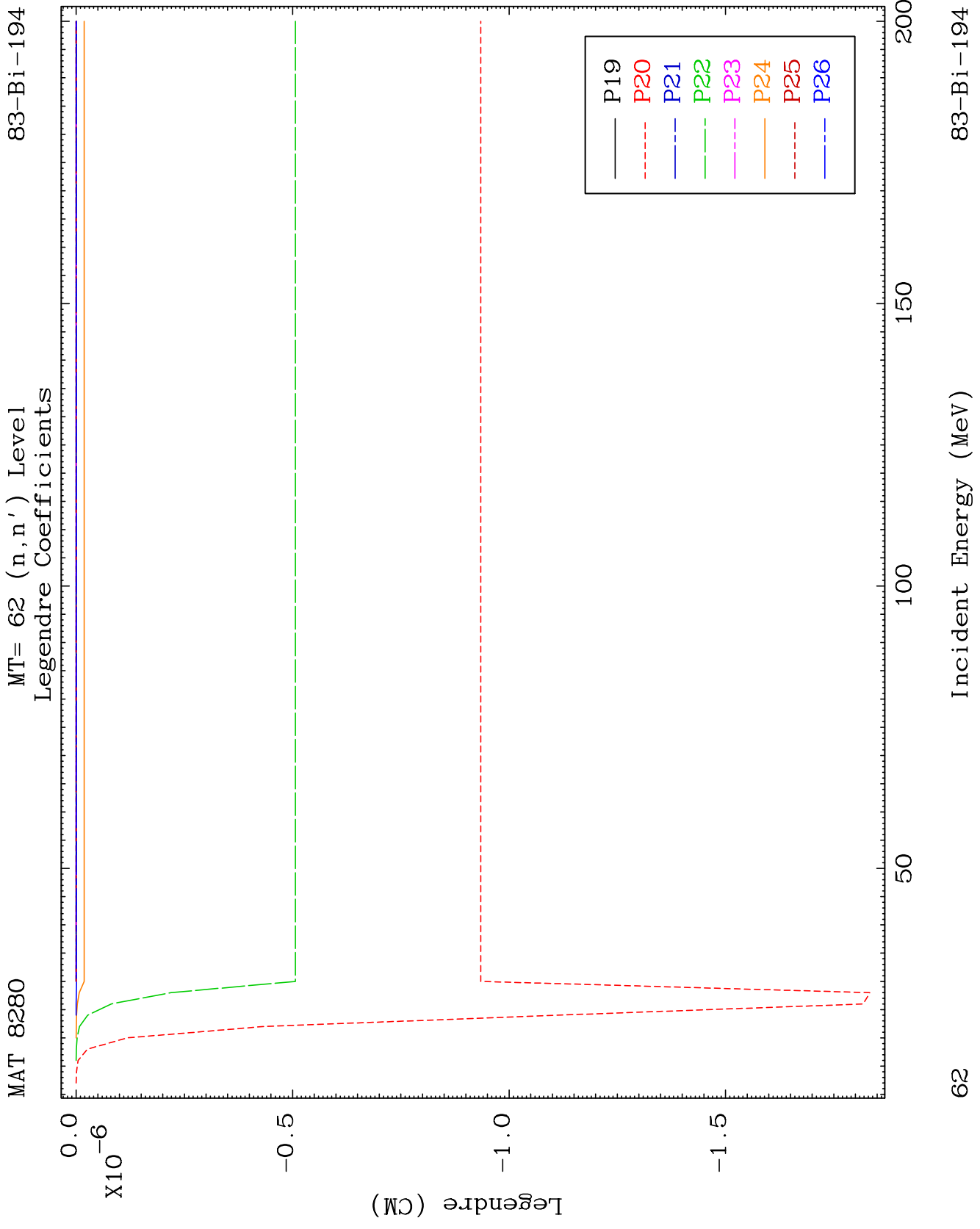
83-Bi-194



61

Incident Energy (MeV)

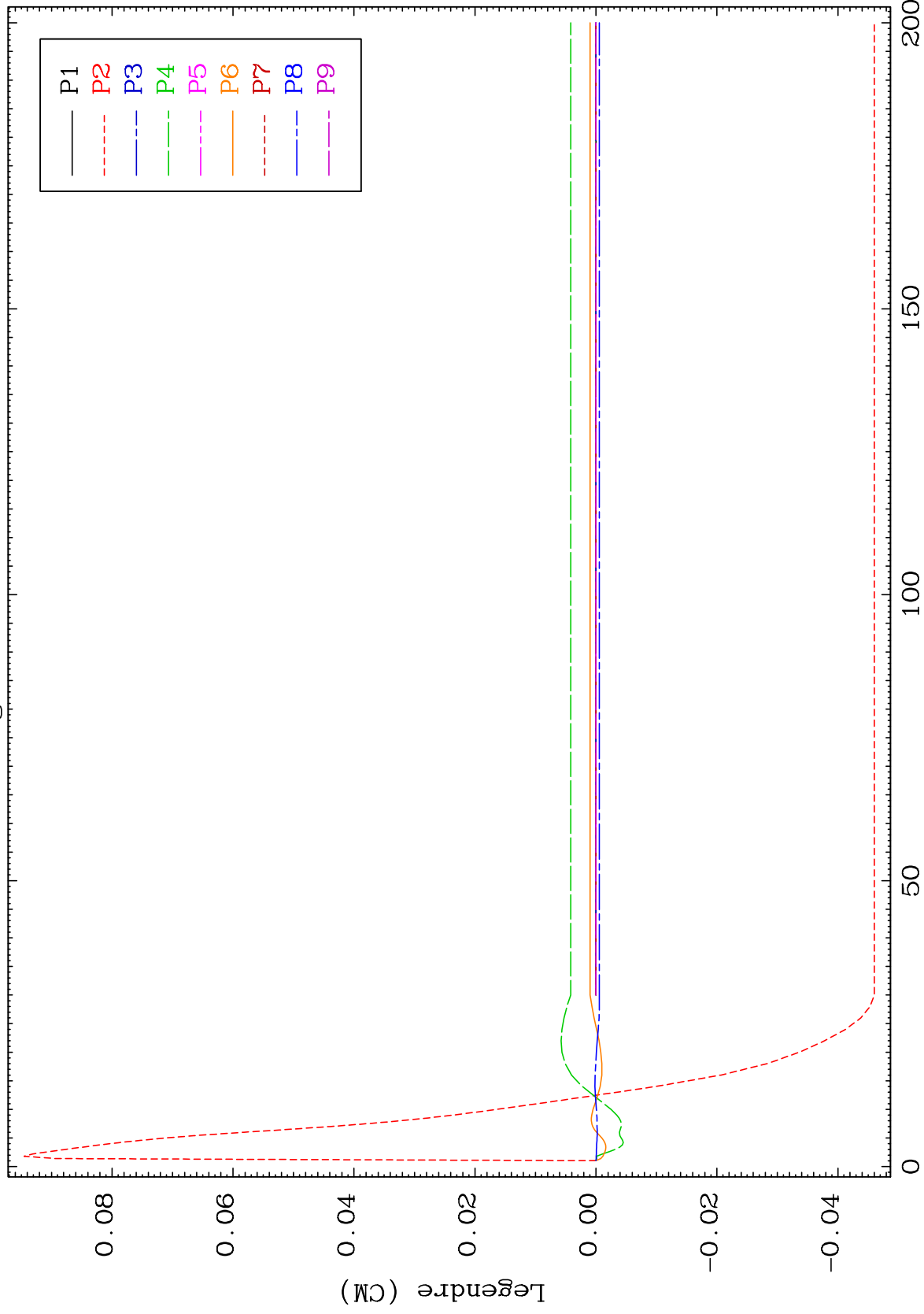
83-Bi-194



MAT 8280

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

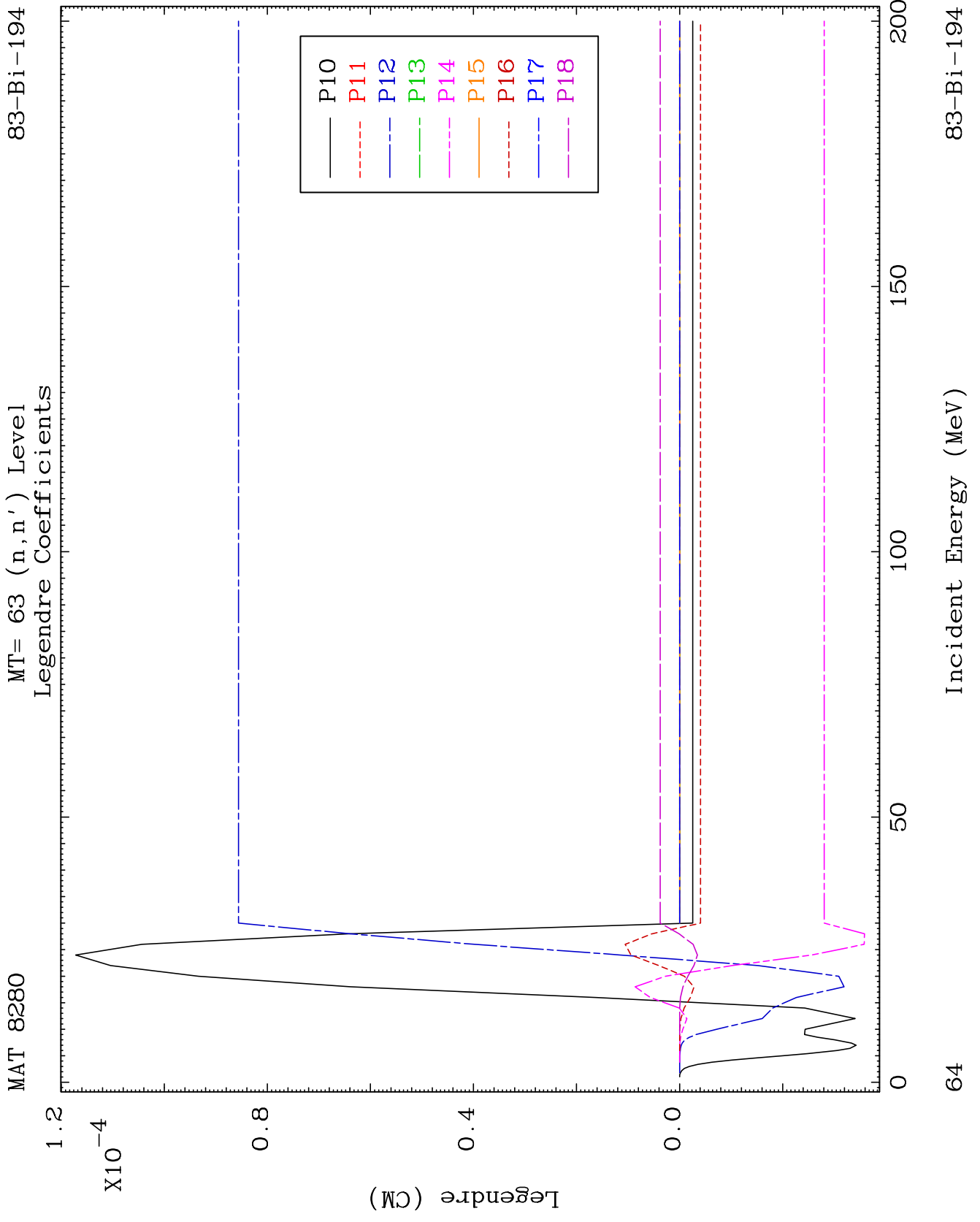
83-Bi-194

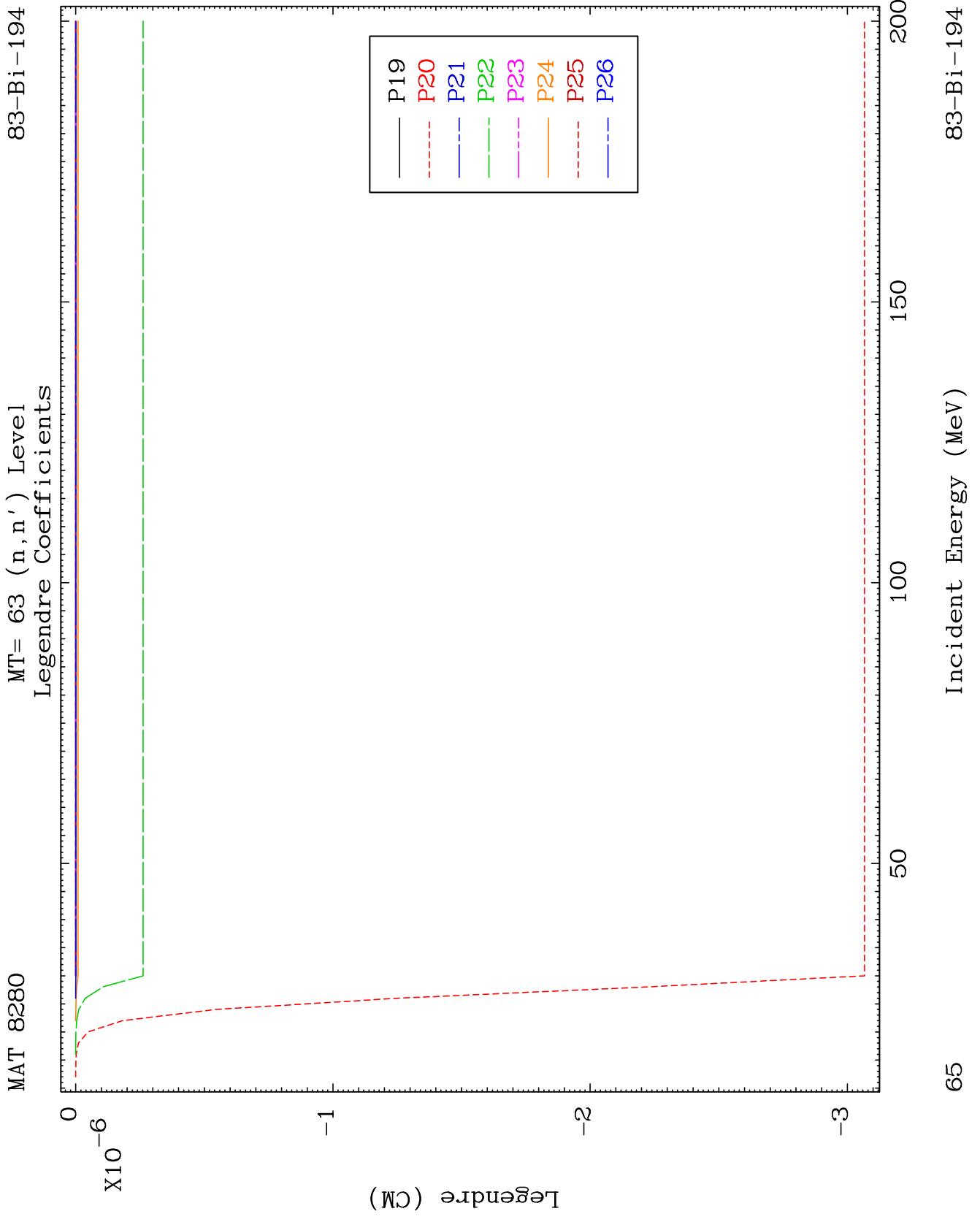


63

Incident Energy (MeV)

83-Bi-194

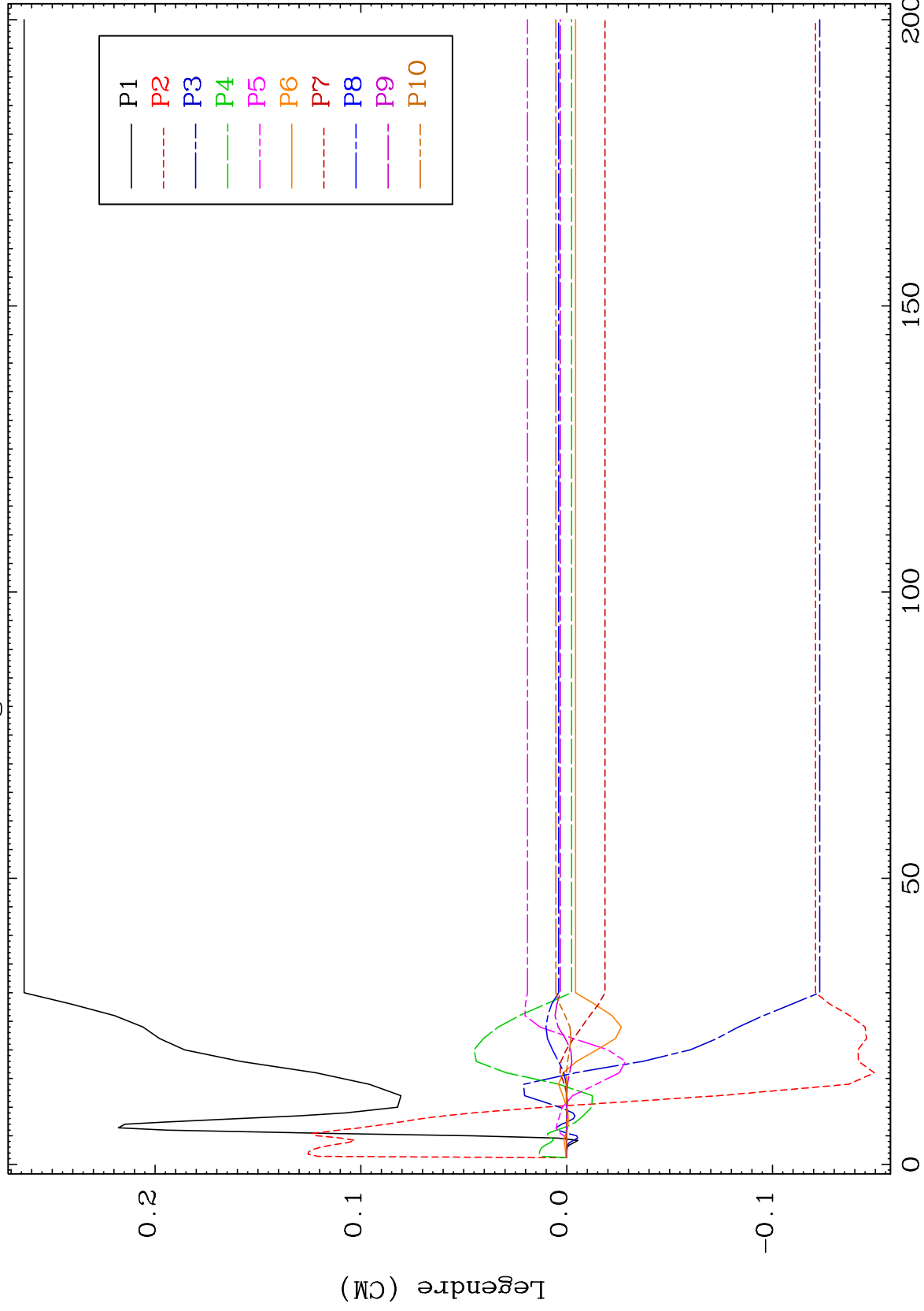




MAT 8280

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

83-Bi-194



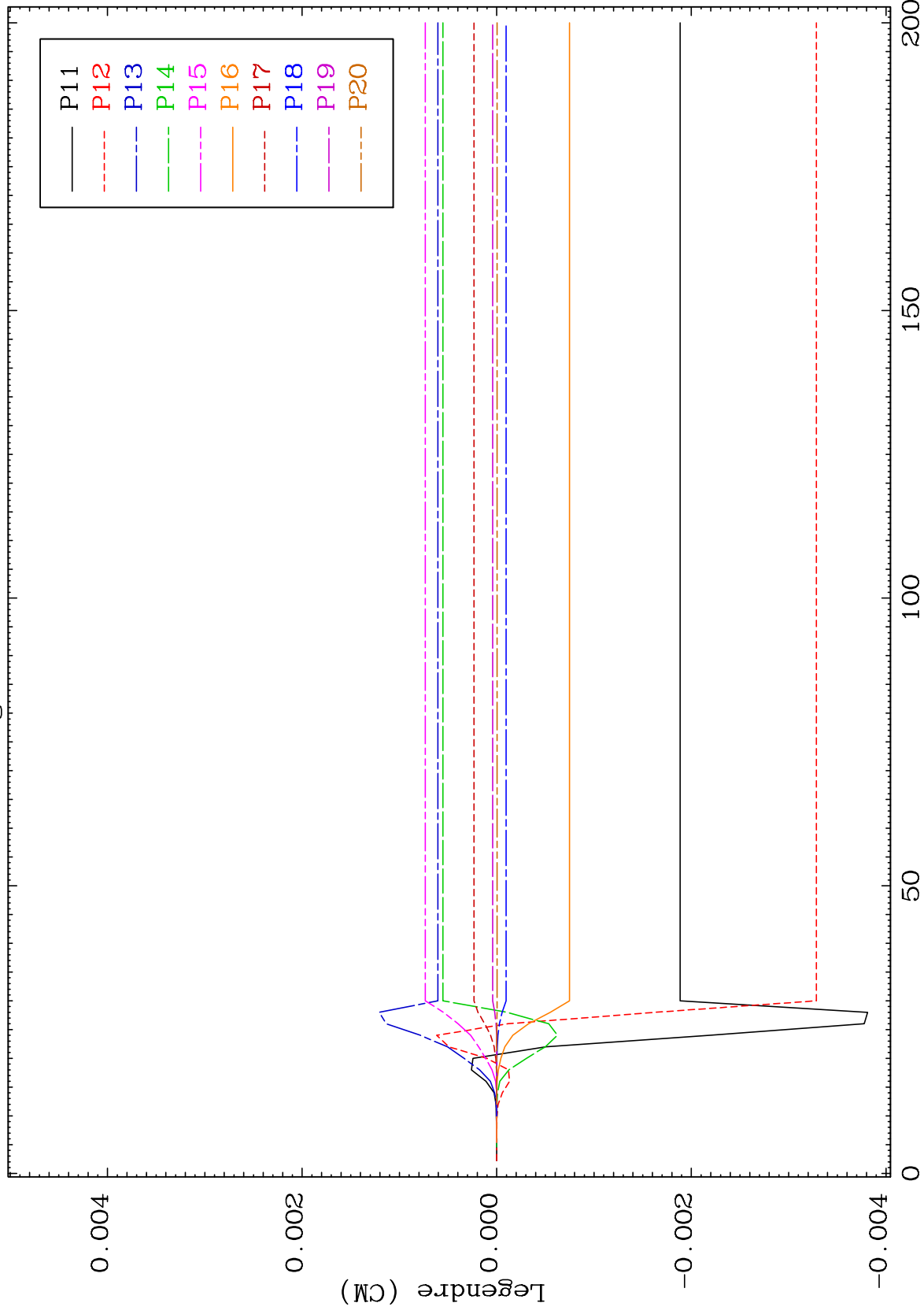
66

83-Bi-194

MAT 8280

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

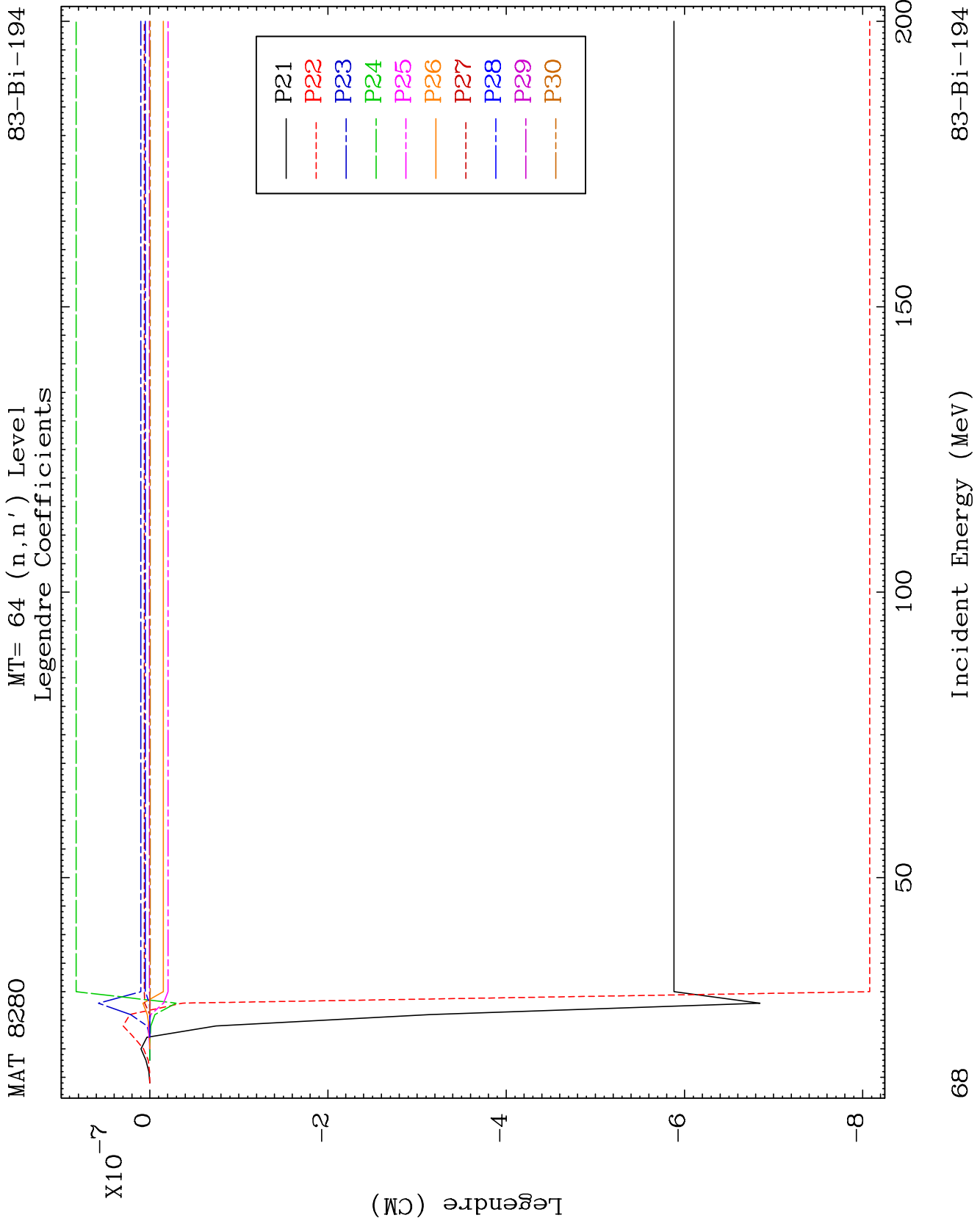
83-Bi-194



67

Incident Energy (MeV)

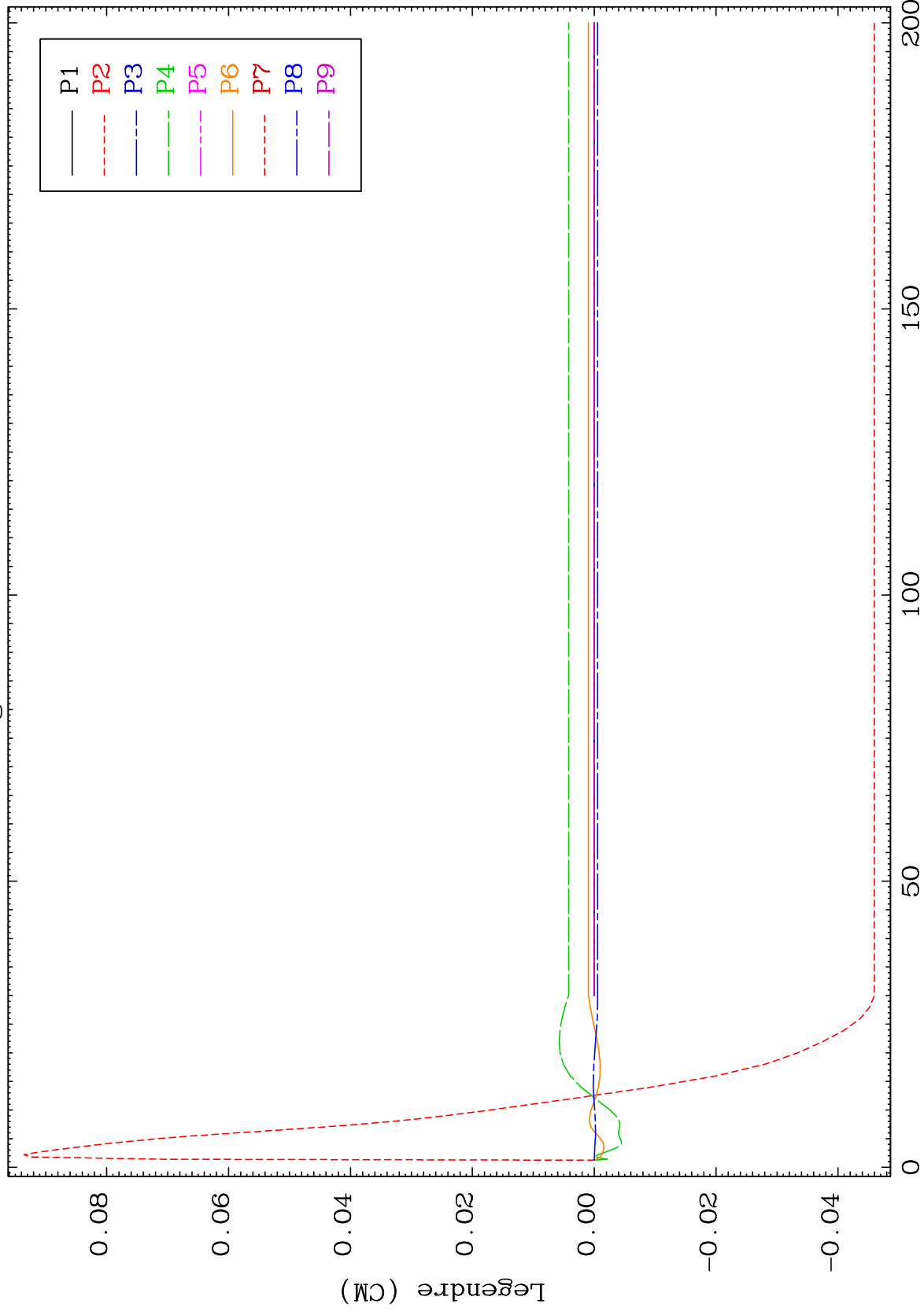
83-Bi-194



MAT 8280

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

83-Bi-194



69

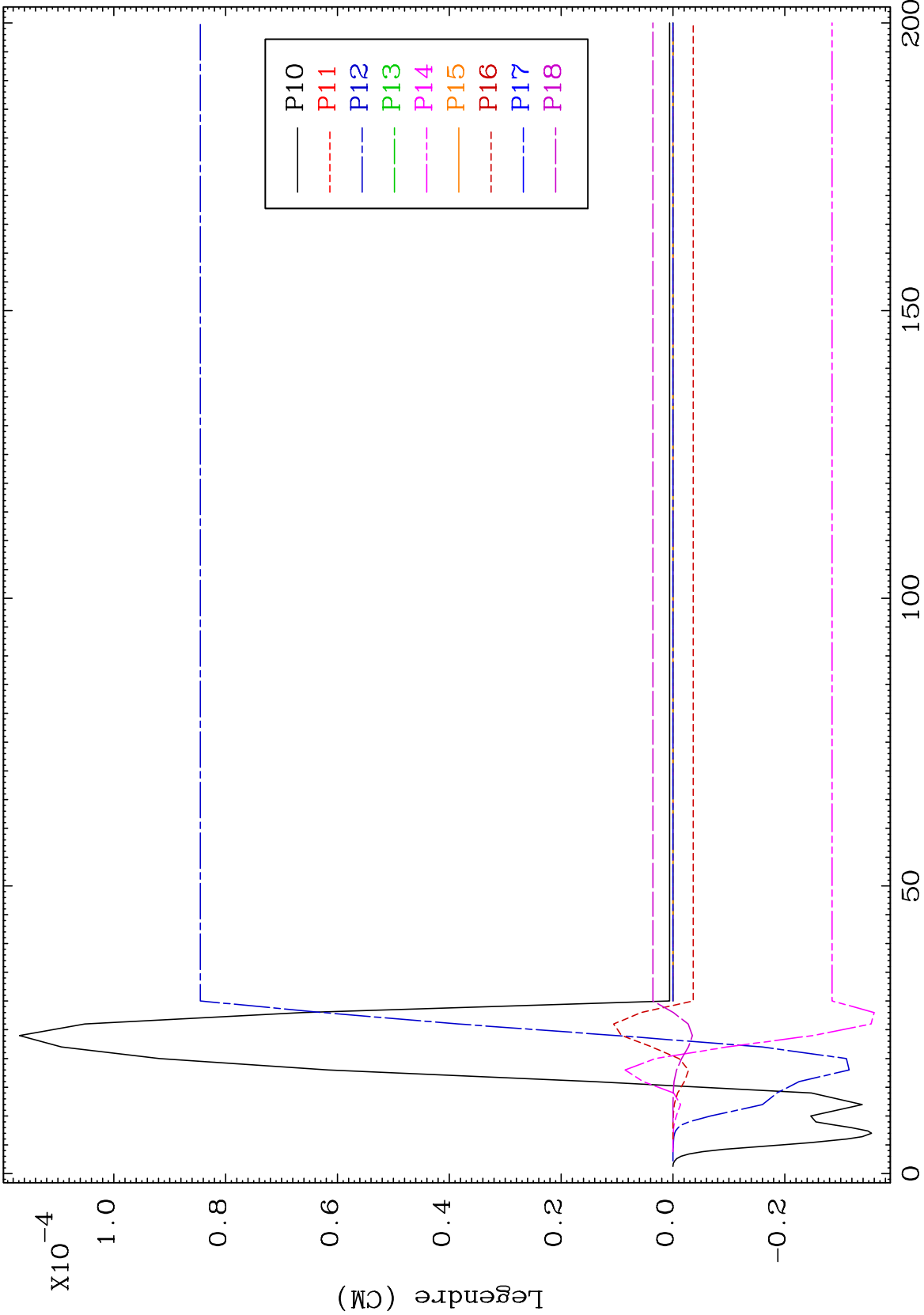
Incident Energy (MeV)

83-Bi-194

MAT 8280

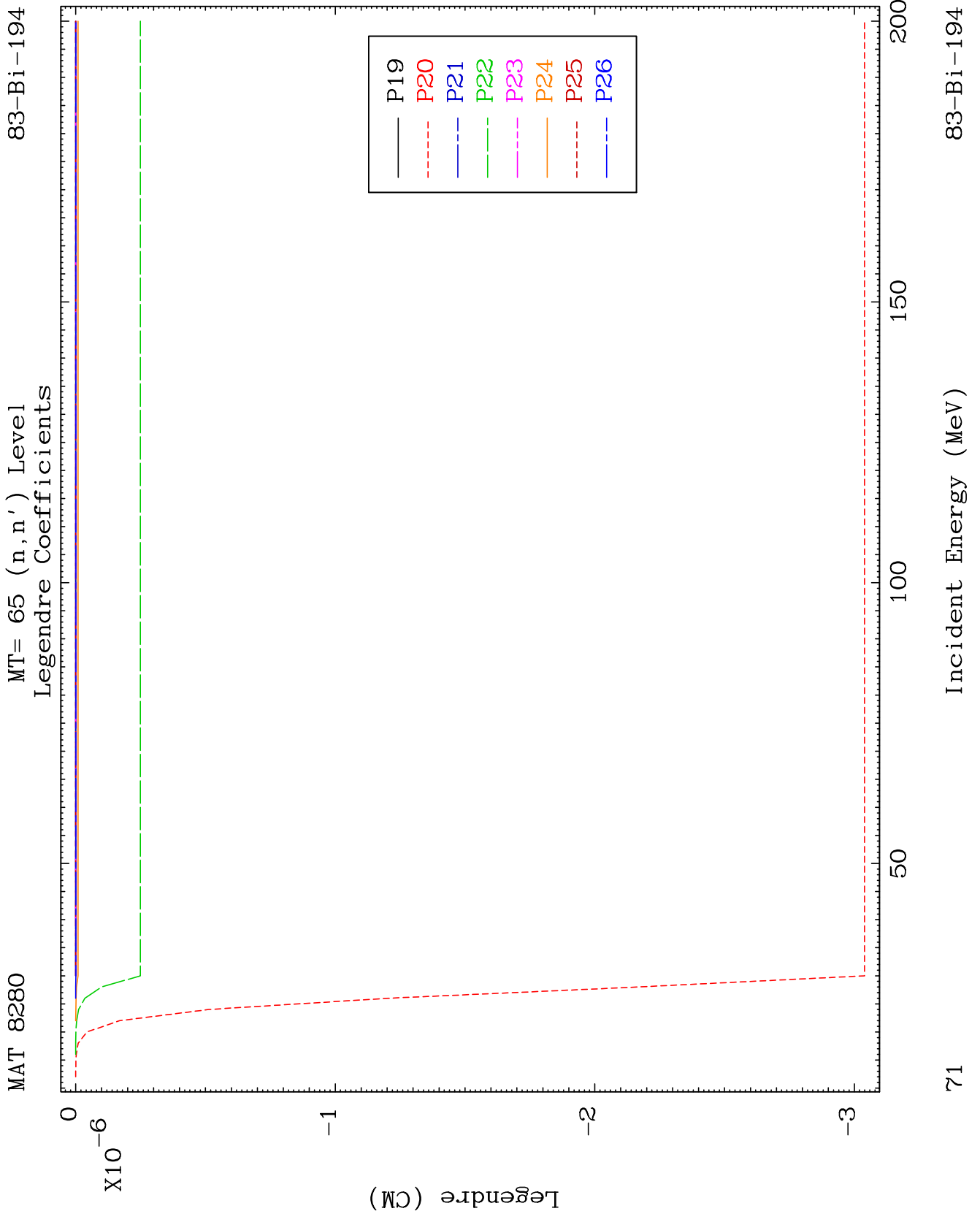
MT= 65 (n,n') Level
Legendre Coefficients

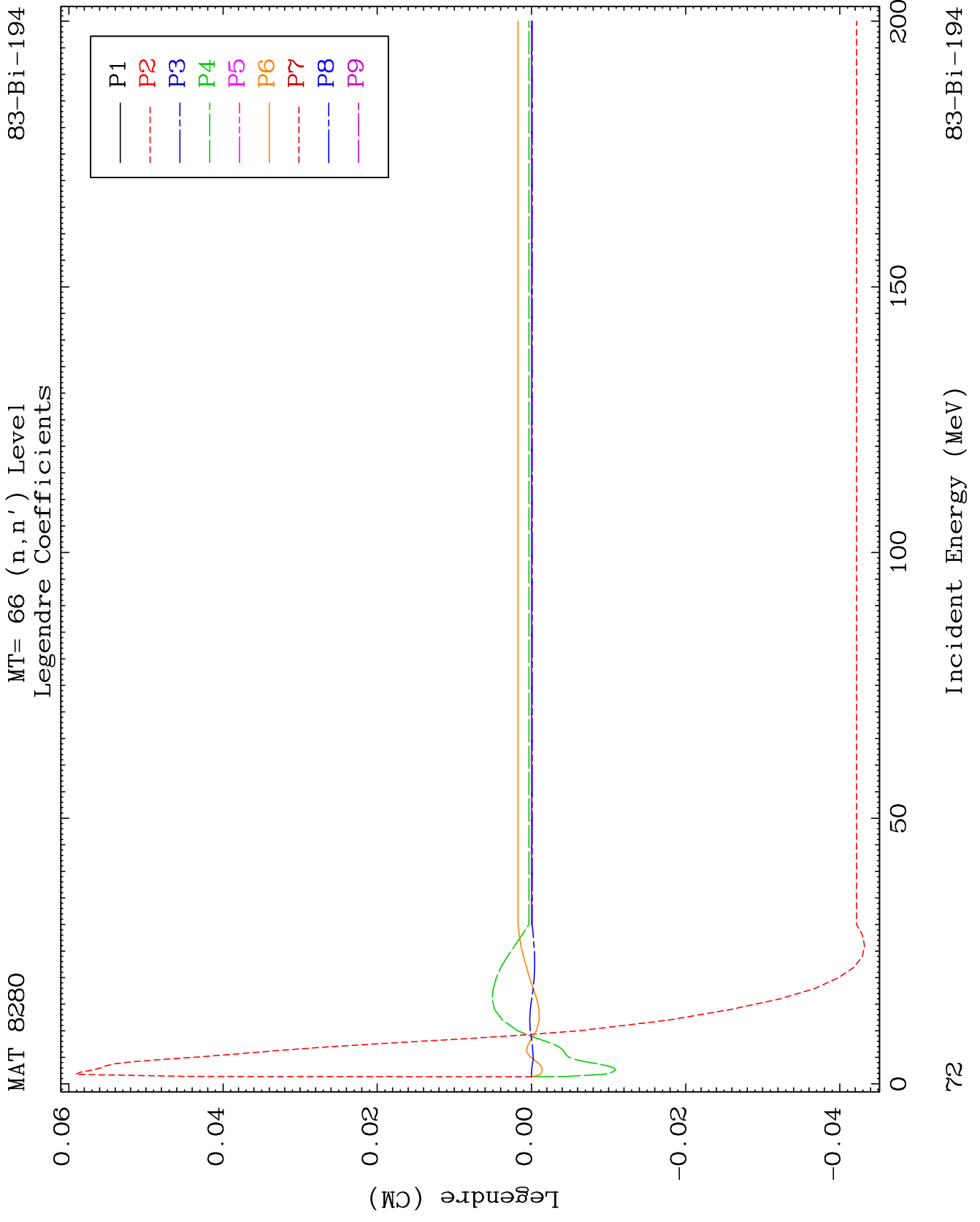
83-Bi-194



Incident Energy (MeV)

83-Bi-194

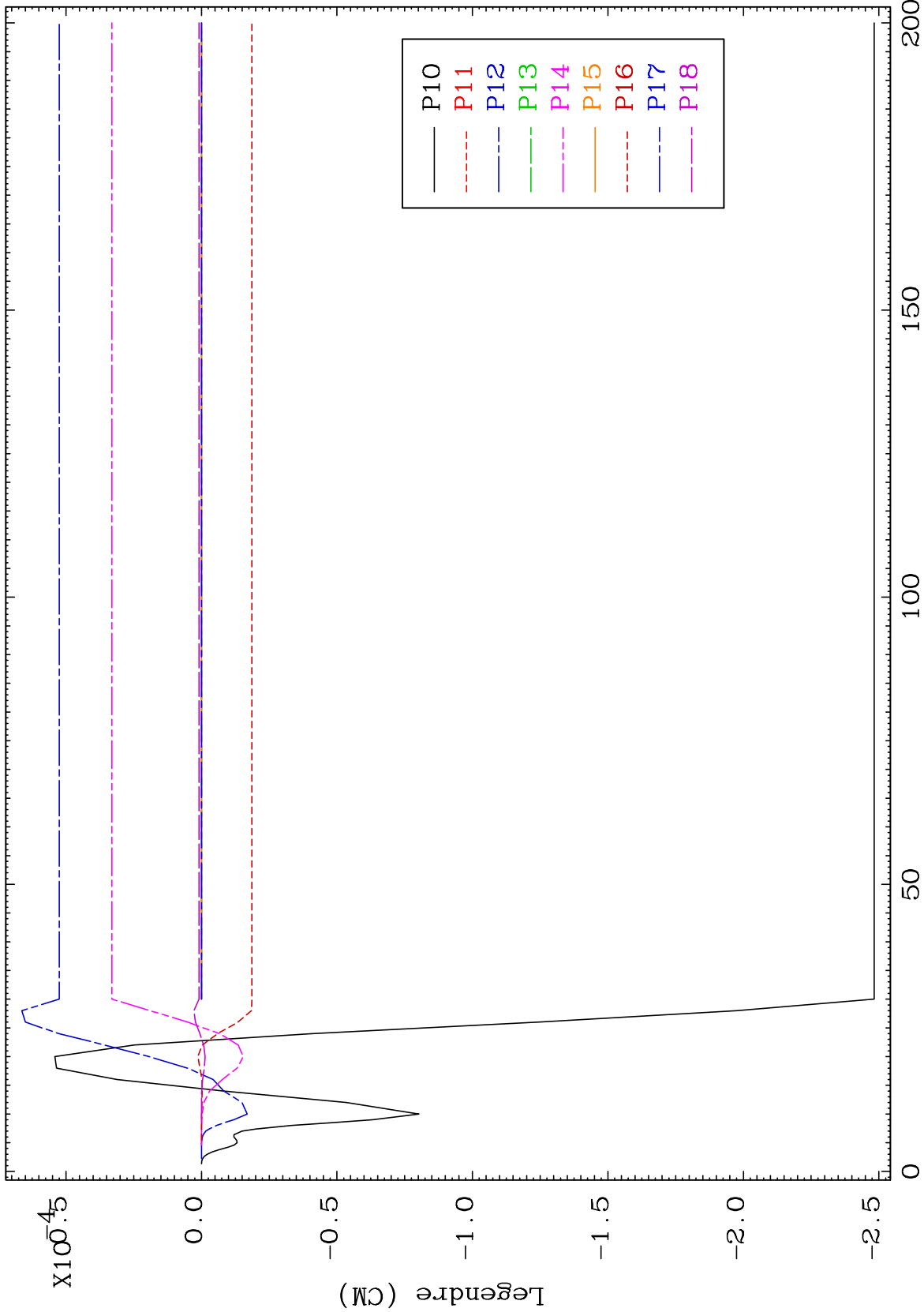




MAT 8280

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

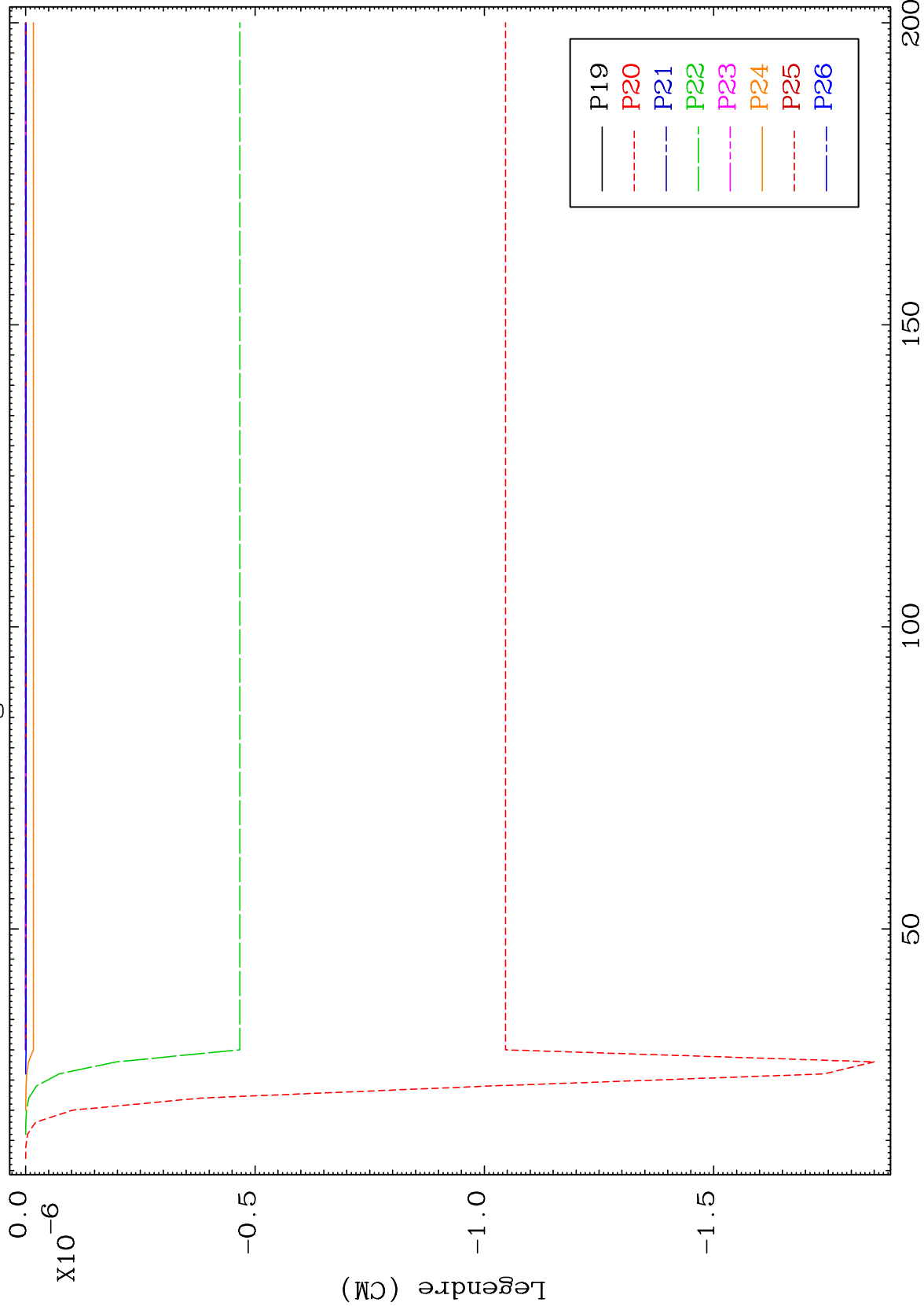
83-Bi-194



73

Incident Energy (MeV)

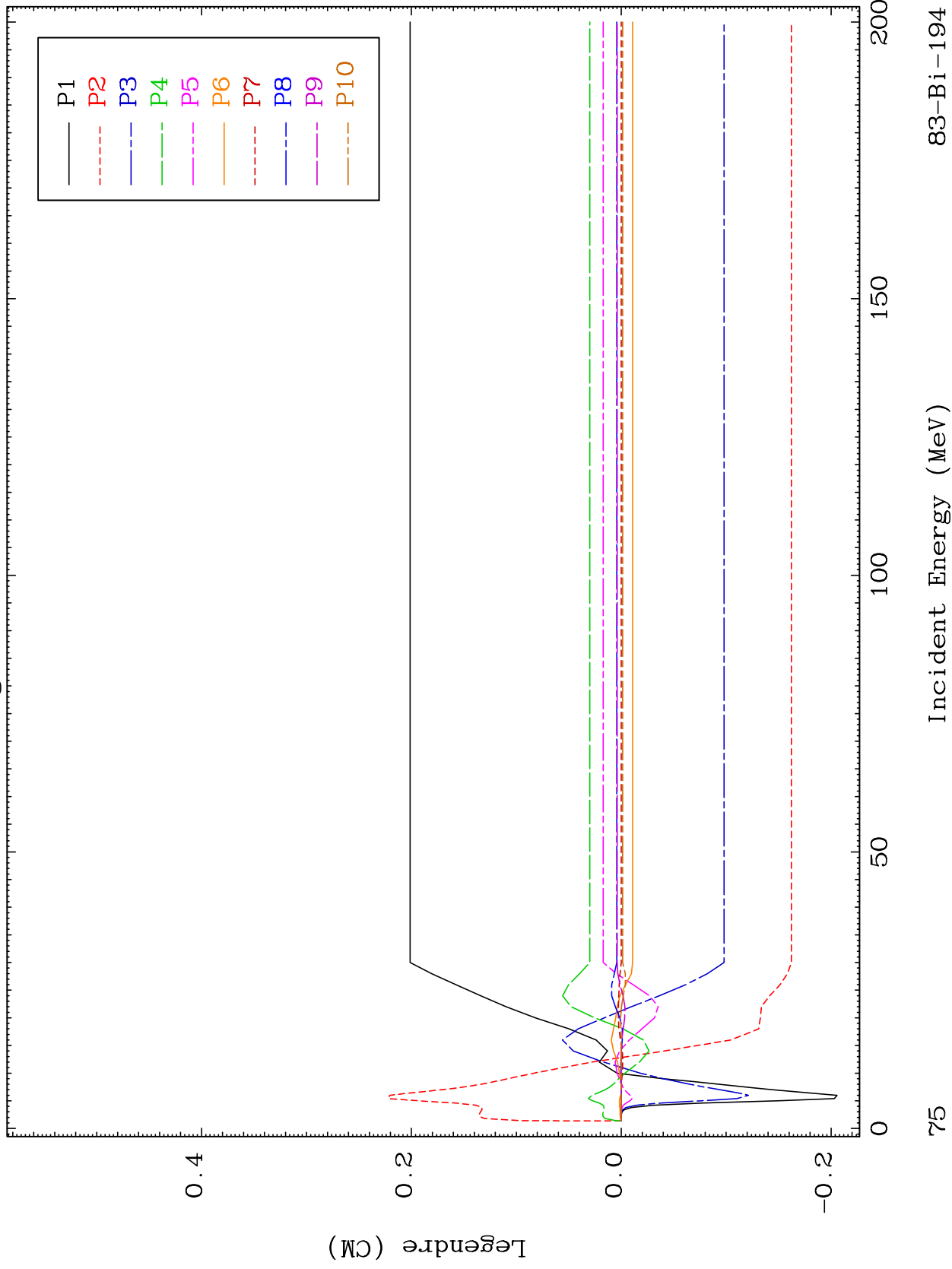
83-Bi-194



MAT 8280

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

83-Bi-194



83-Bi-194

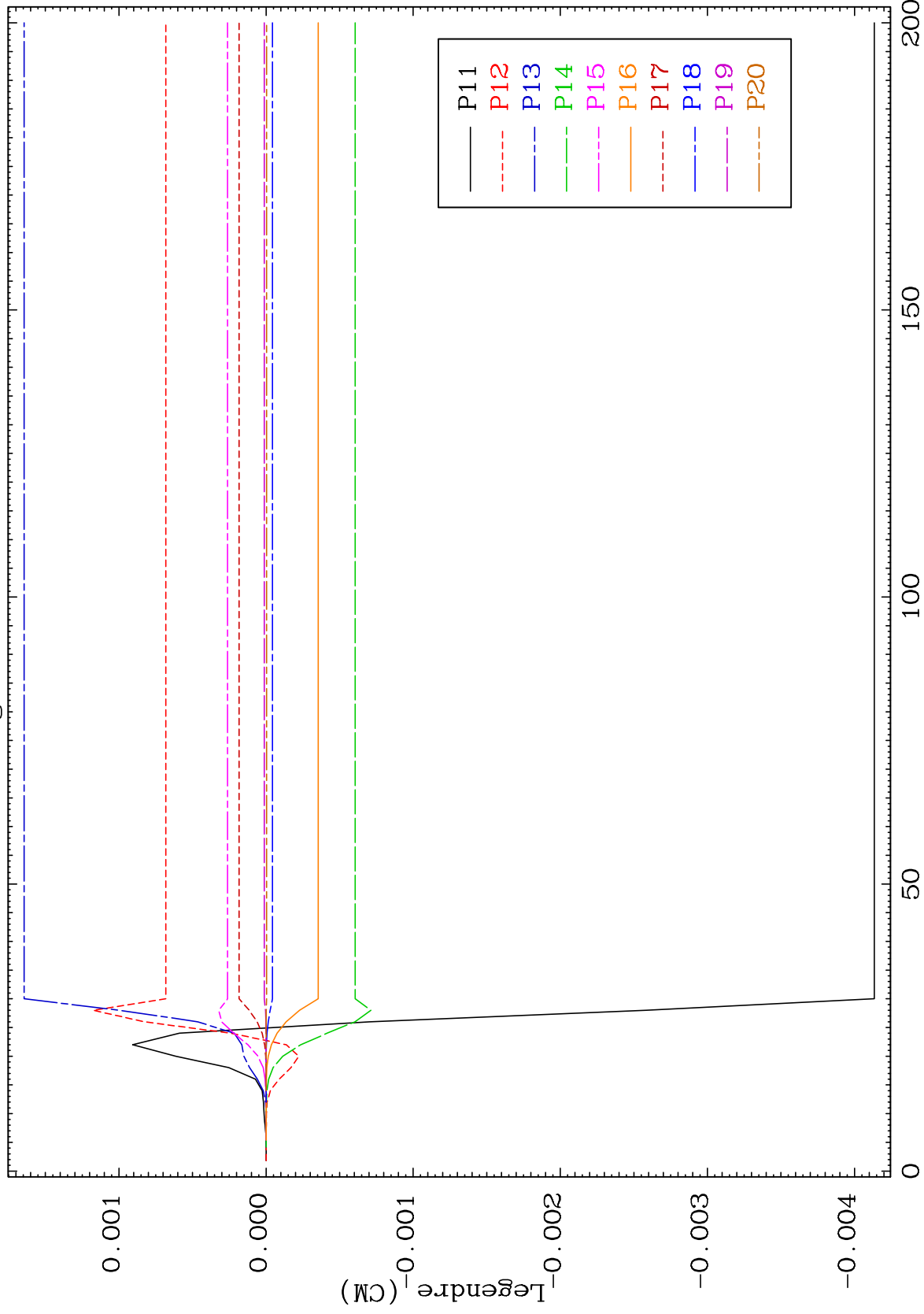
Incident Energy (MeV)

75

MAT 8280

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

83-Bi-194



76

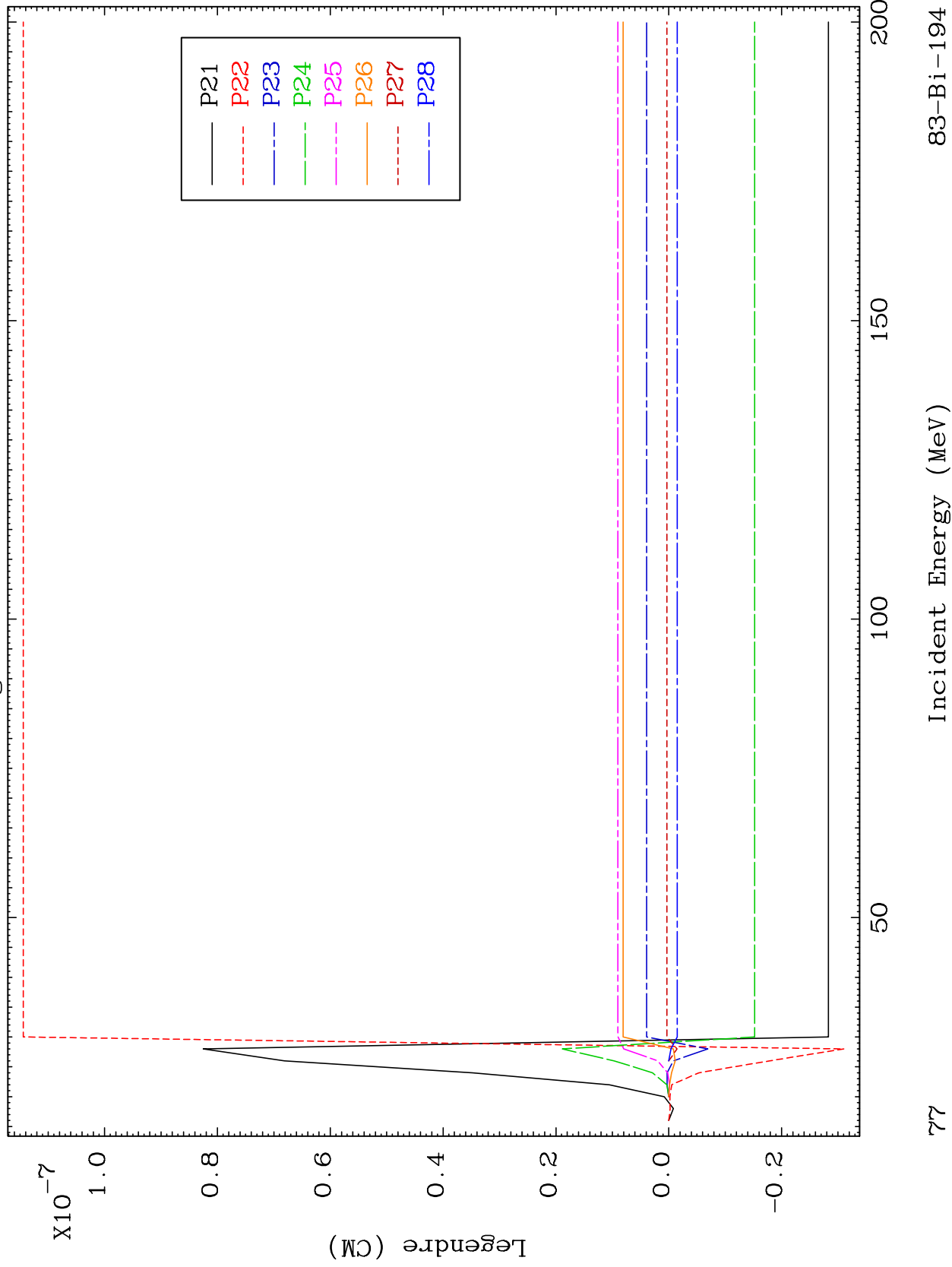
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

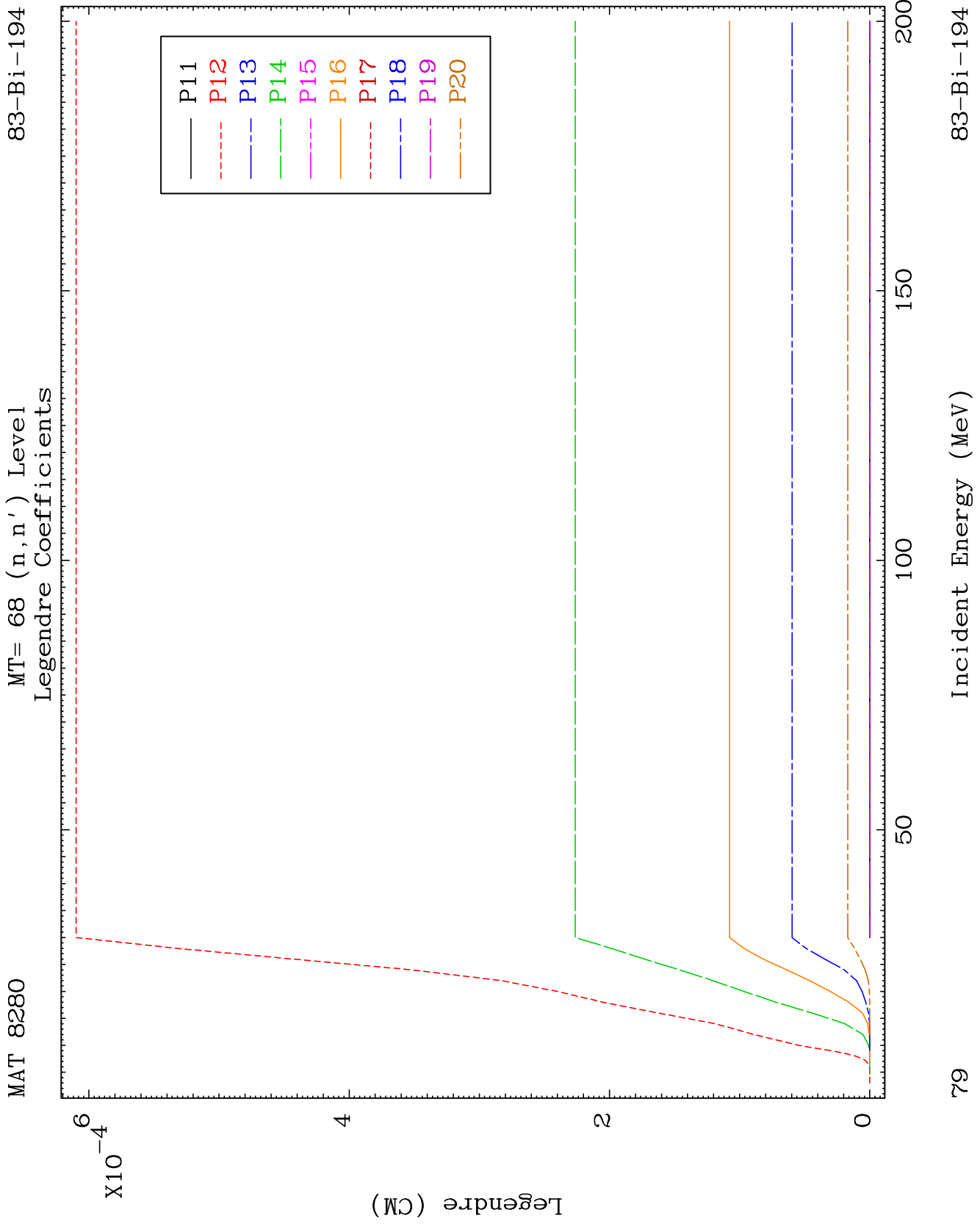
83-Bi-194

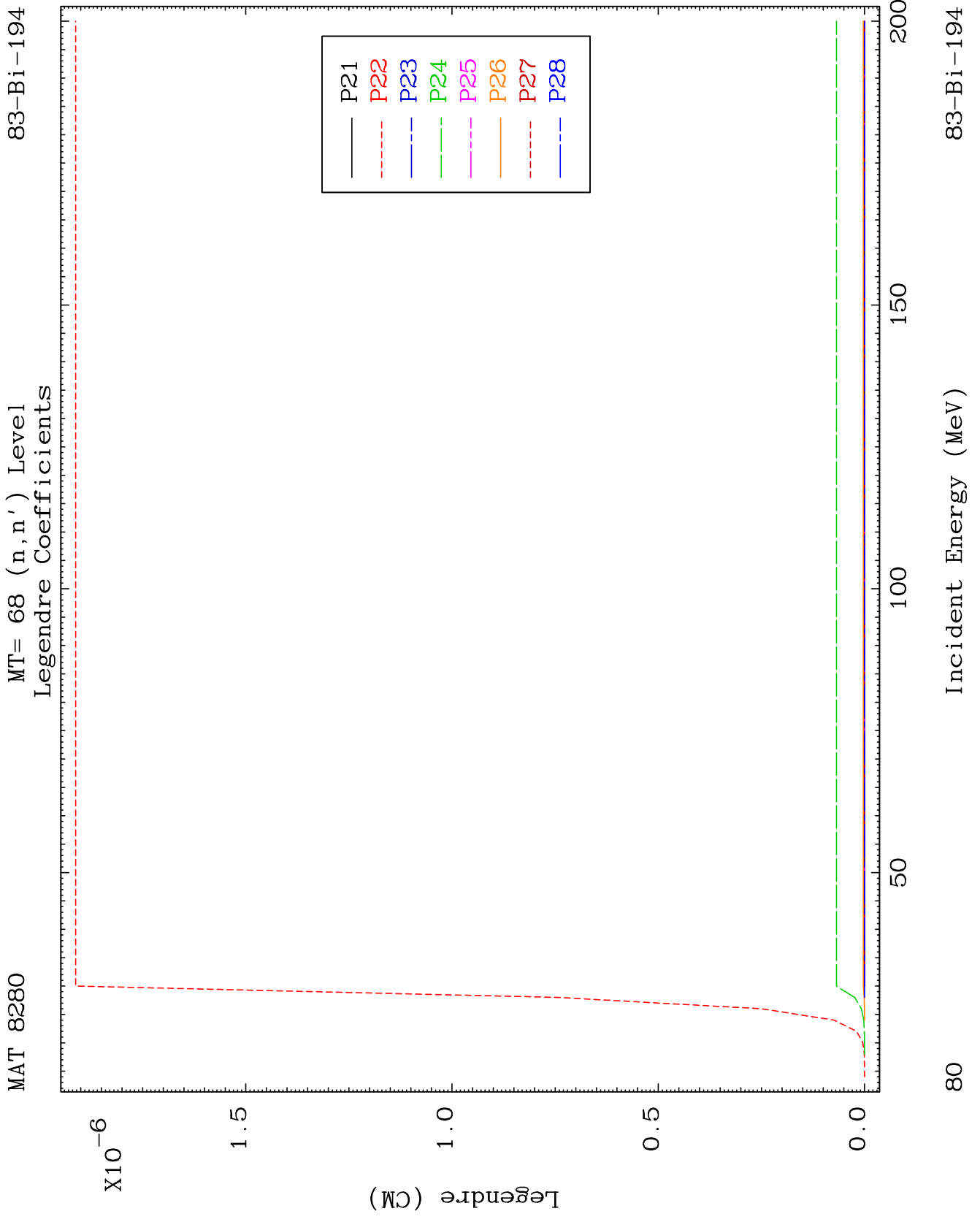


77

Incident Energy (MeV)

83-Bi-194

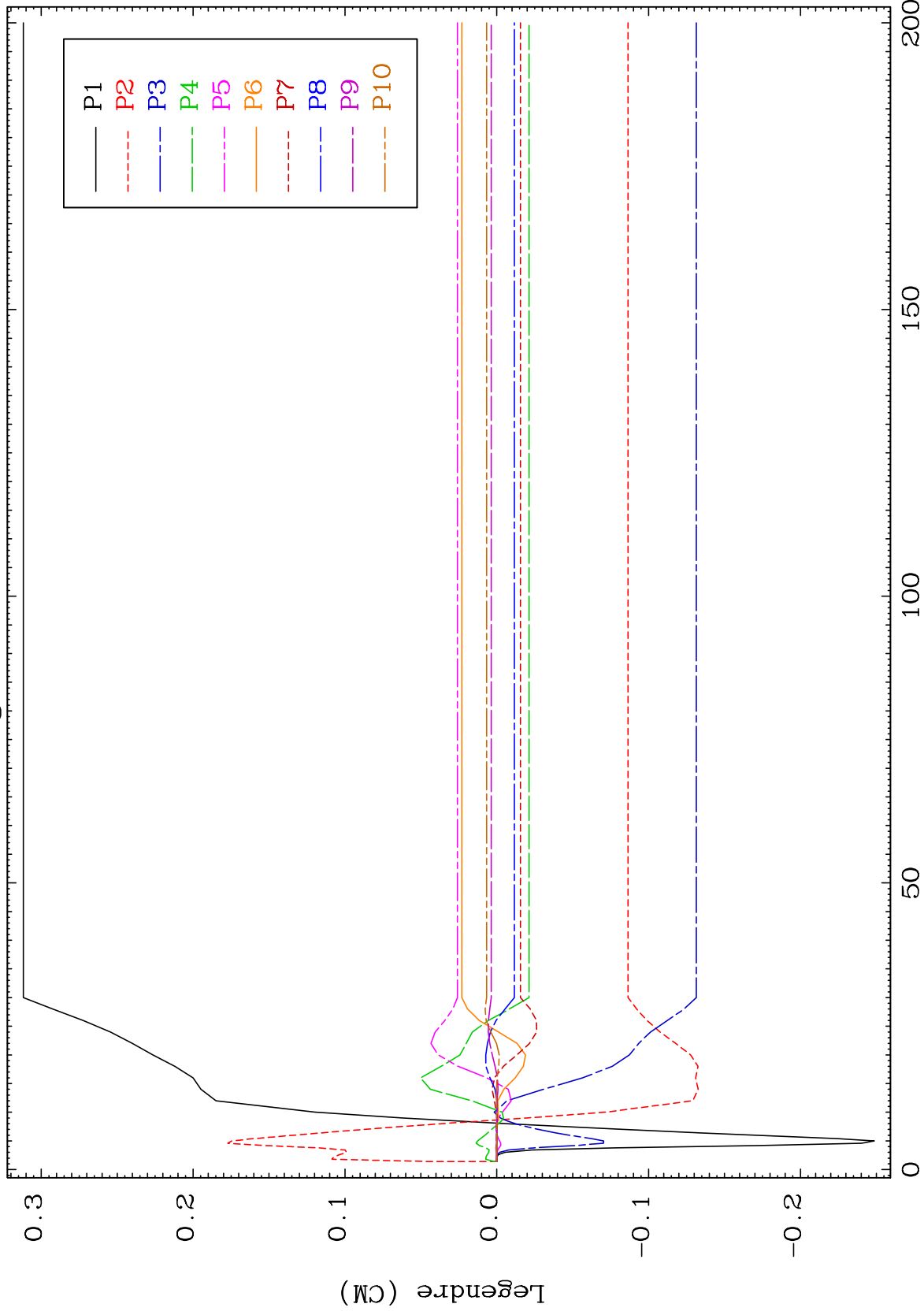




MAT 8280

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

83-Bi-194



81

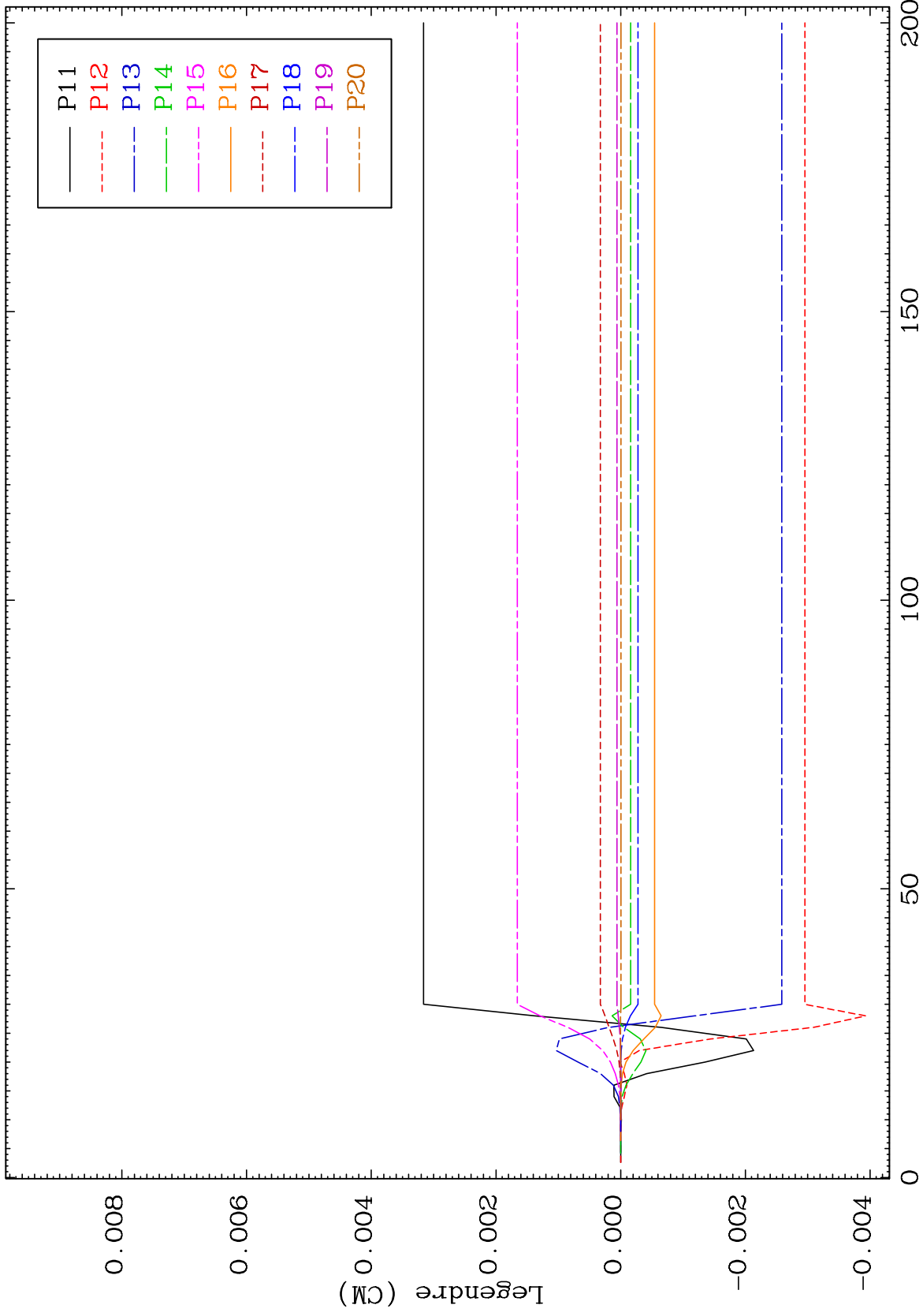
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



82

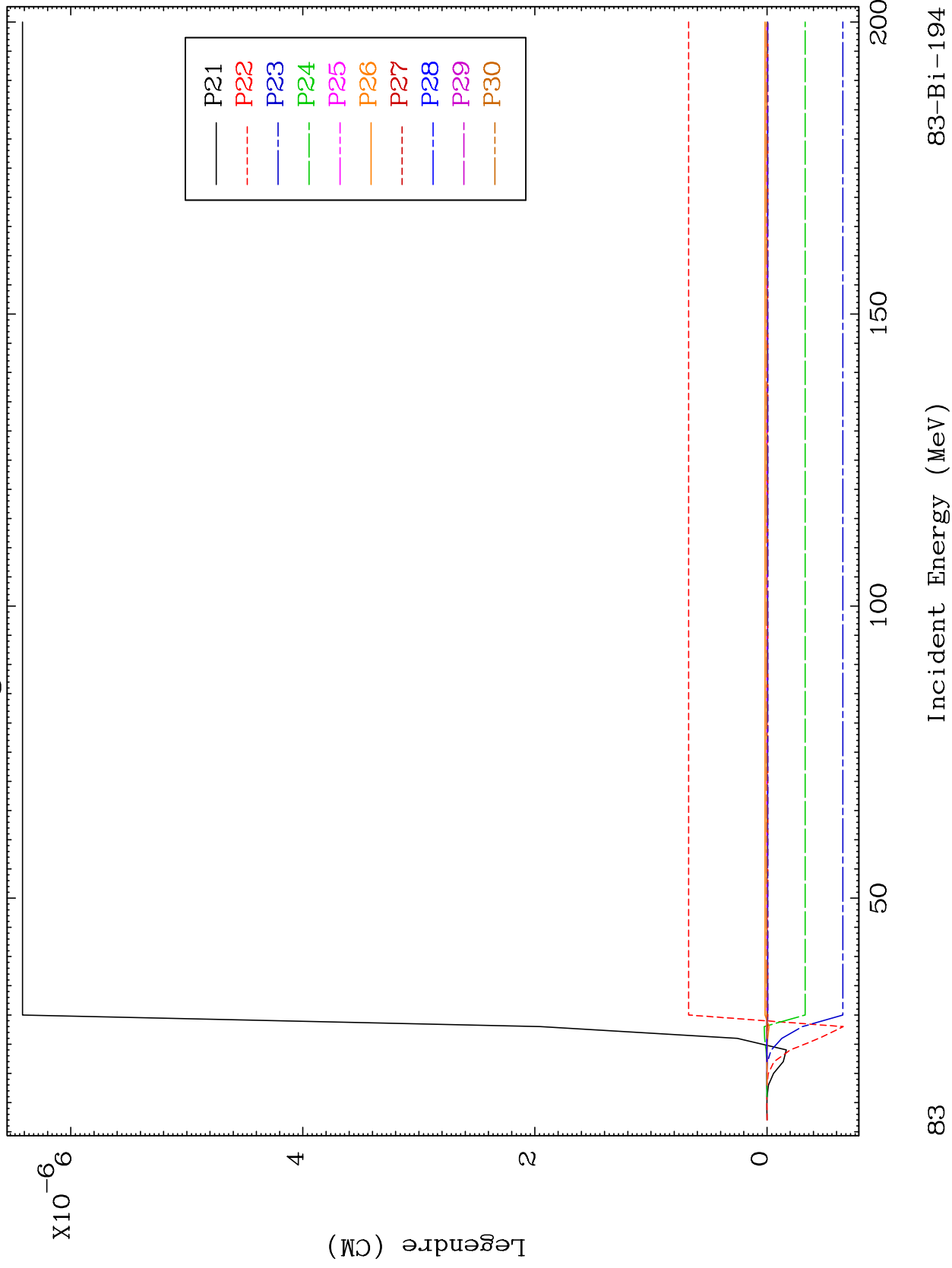
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



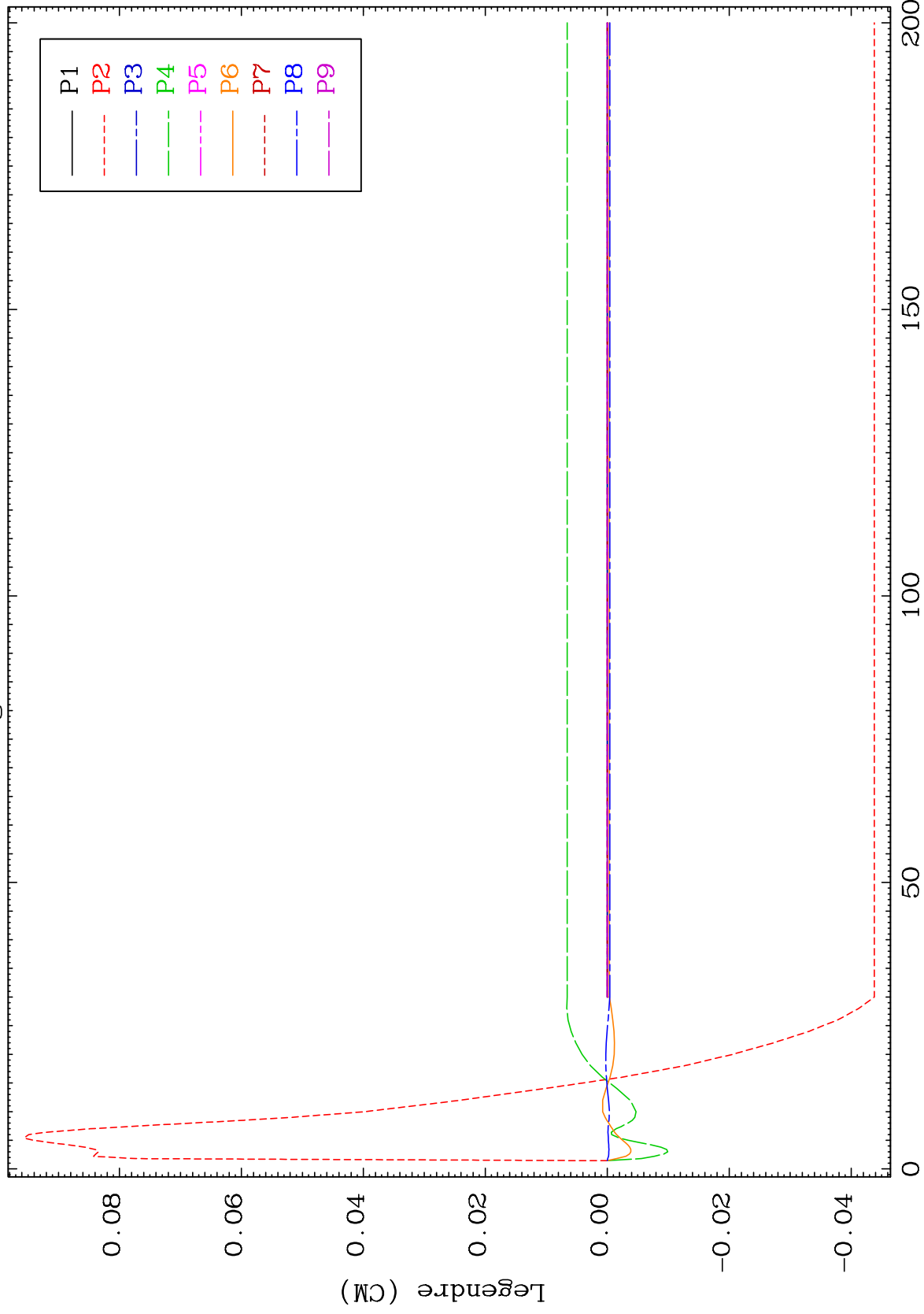
83

83-Bi-194

MAT 8280

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

83-Bi-194



84

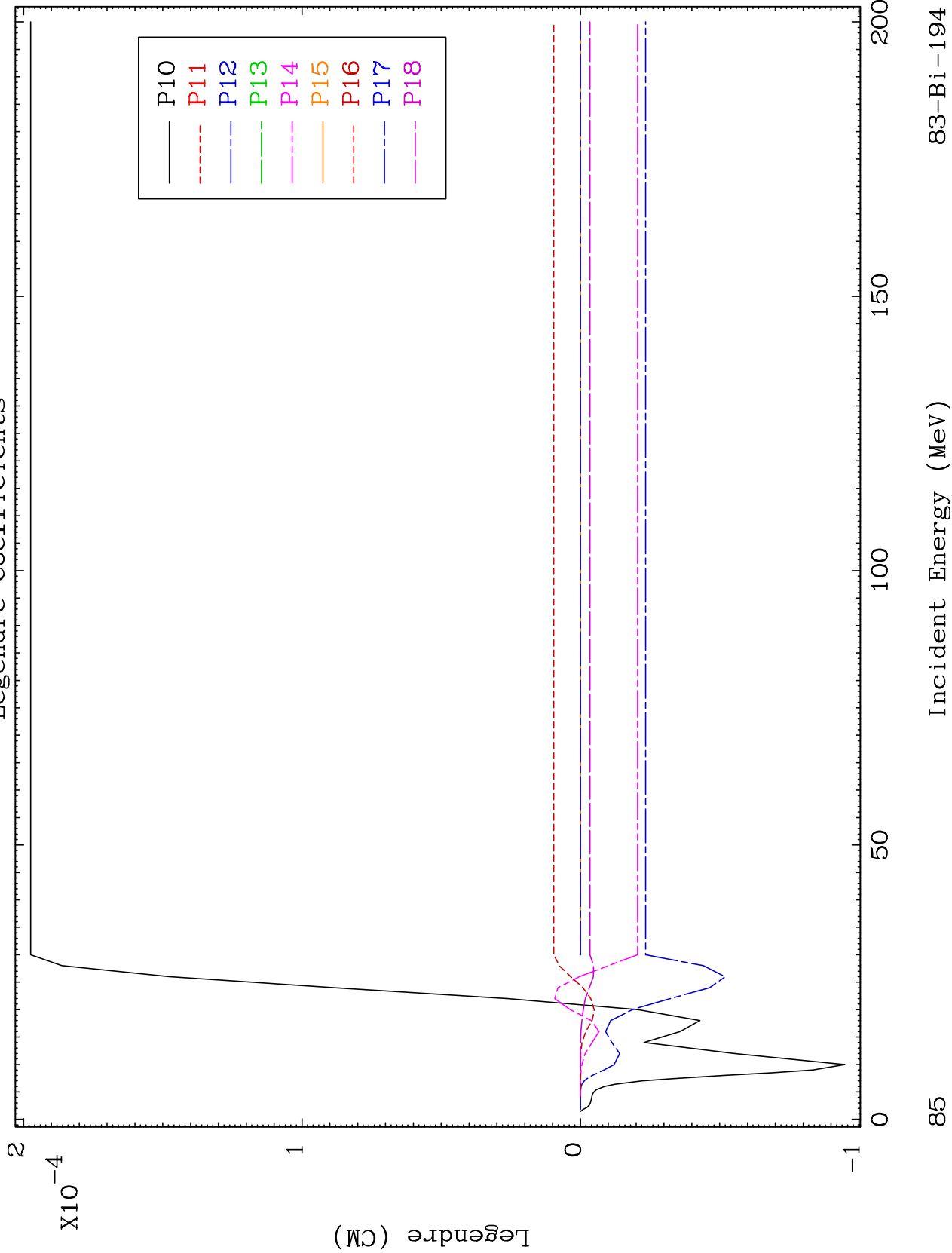
Incident Energy (MeV)

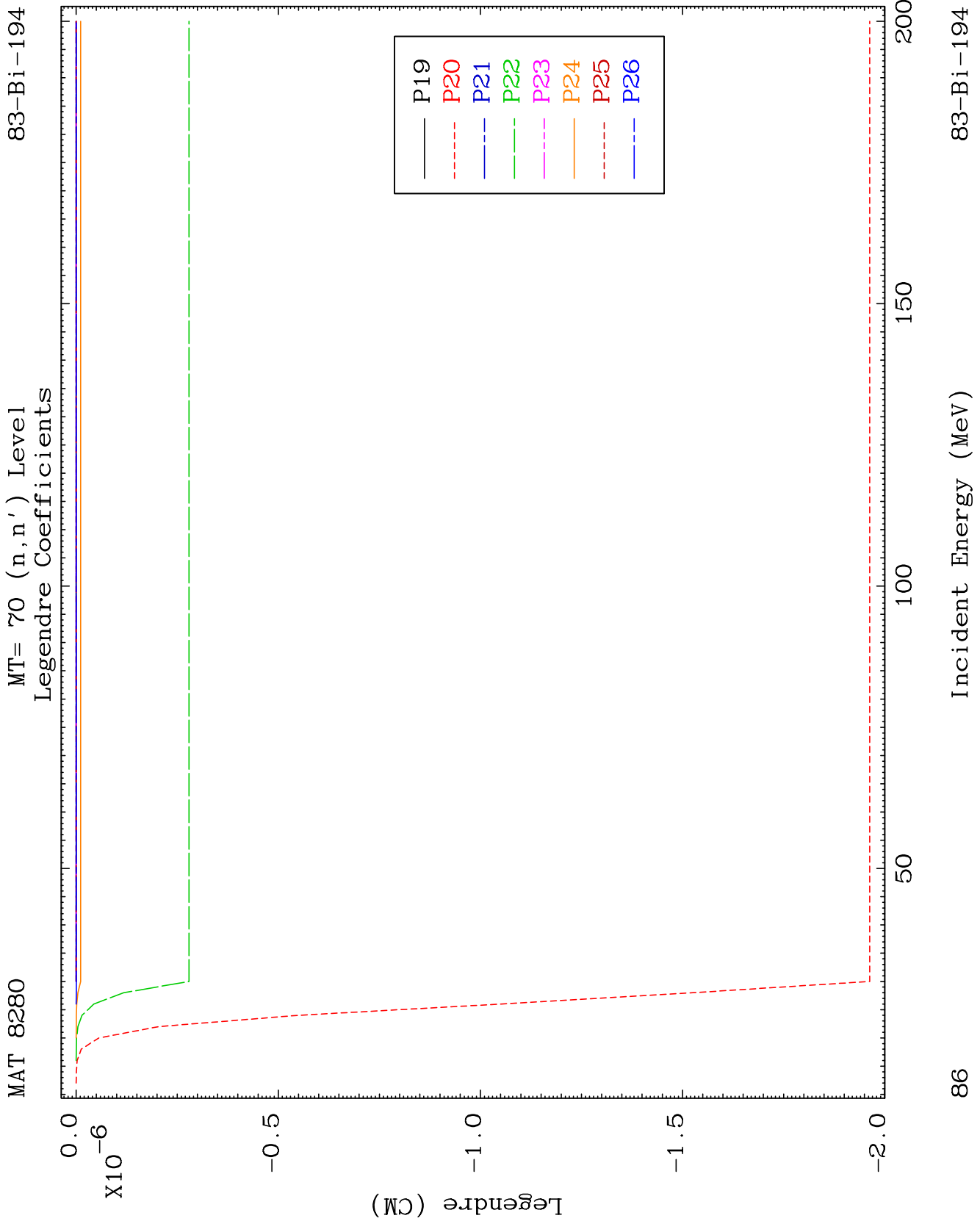
83-Bi-194

MAT 8280

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

83-Bi-194

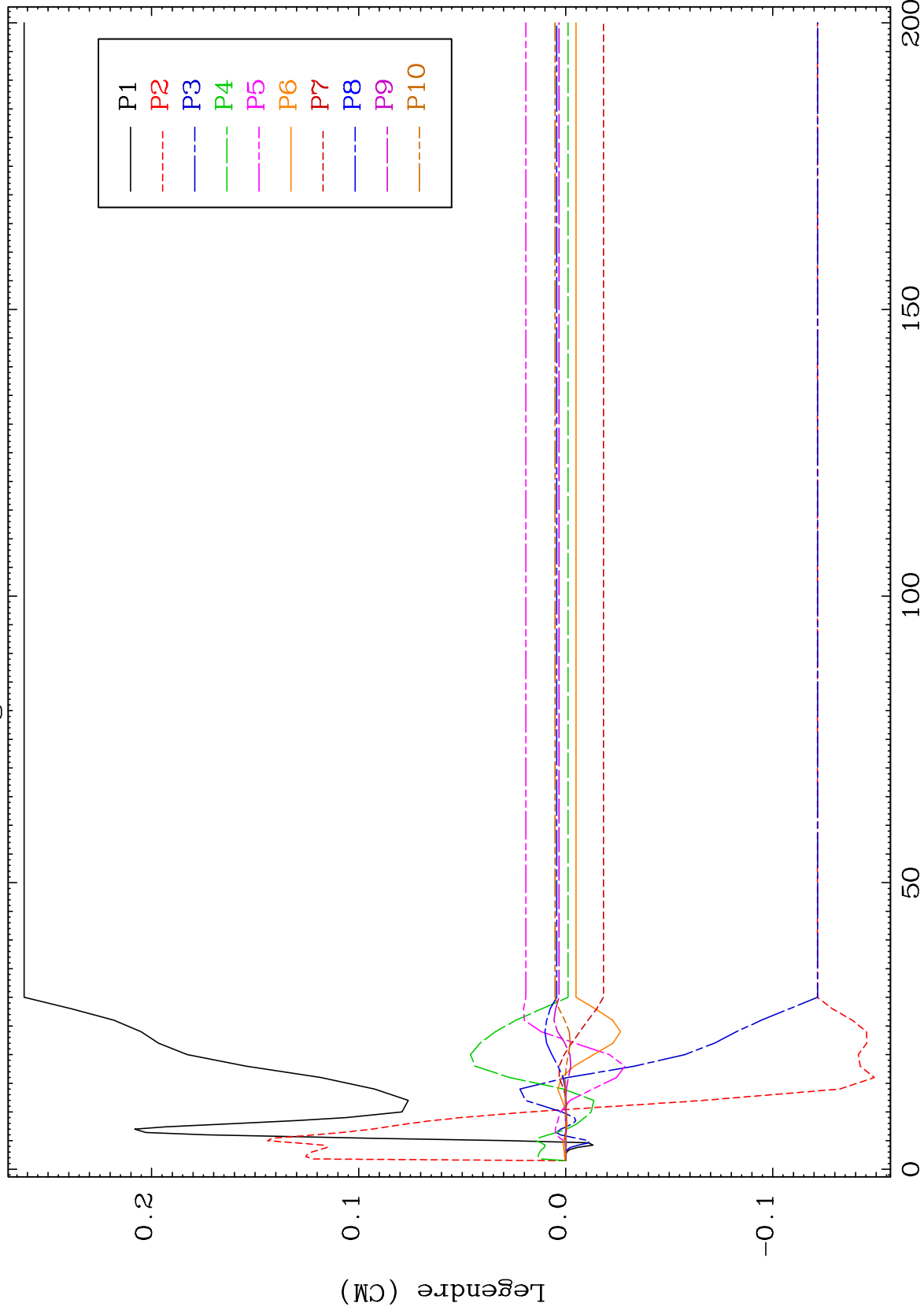




MAT 8280

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

83-Bi-194



87

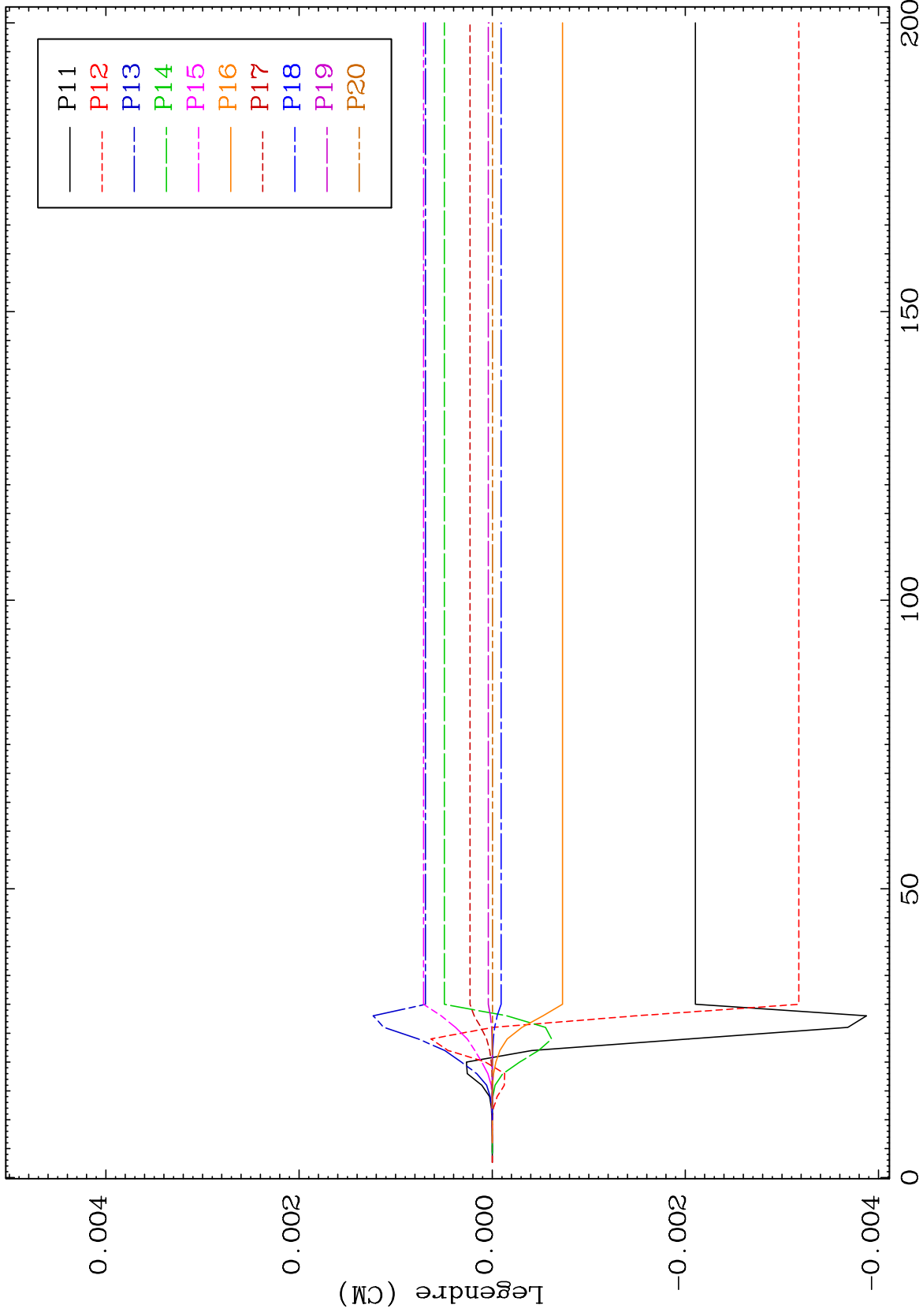
83-Bi-194

83-Bi-194

MAT 8280

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

83-Bi-194



88

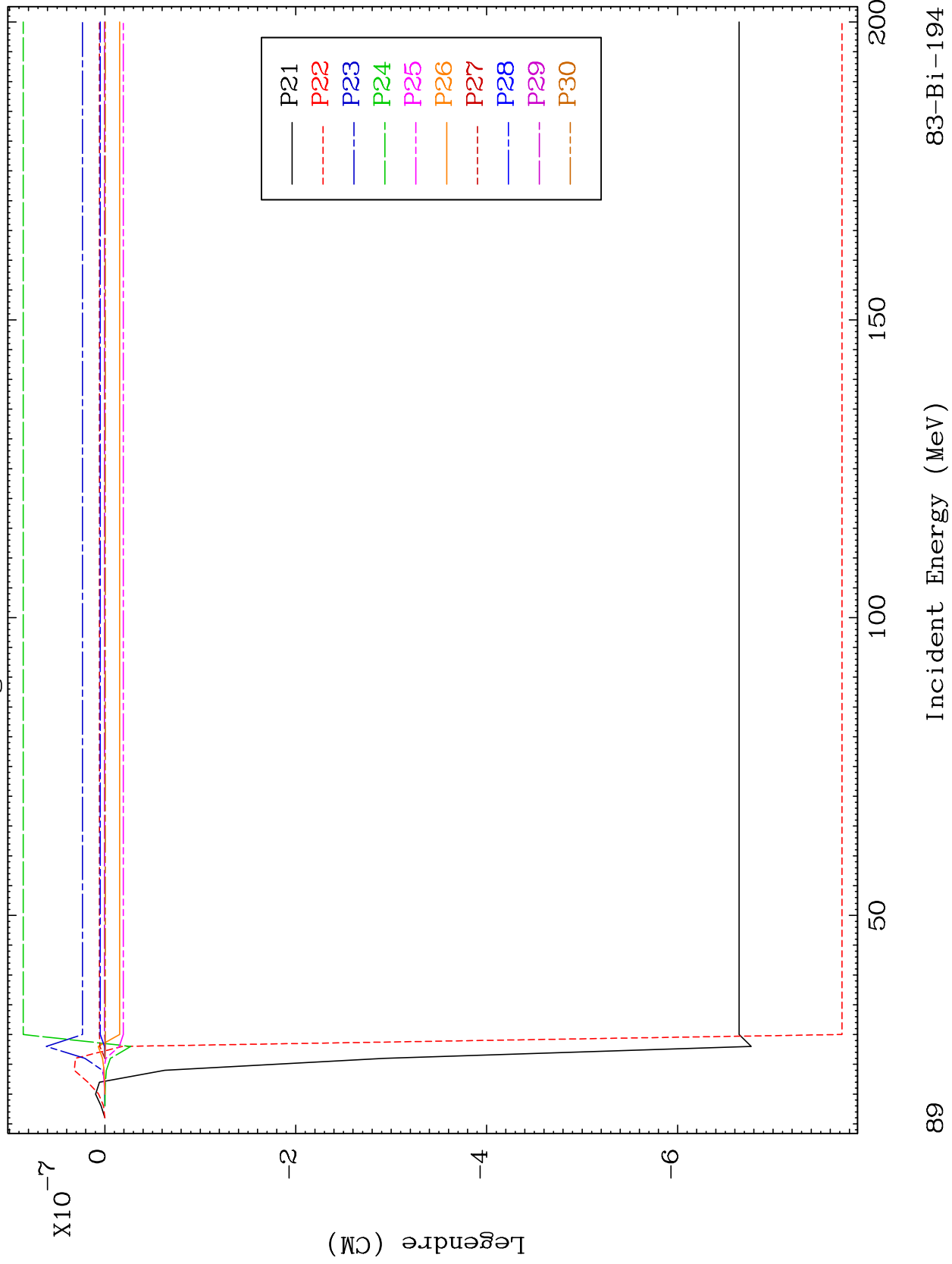
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

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



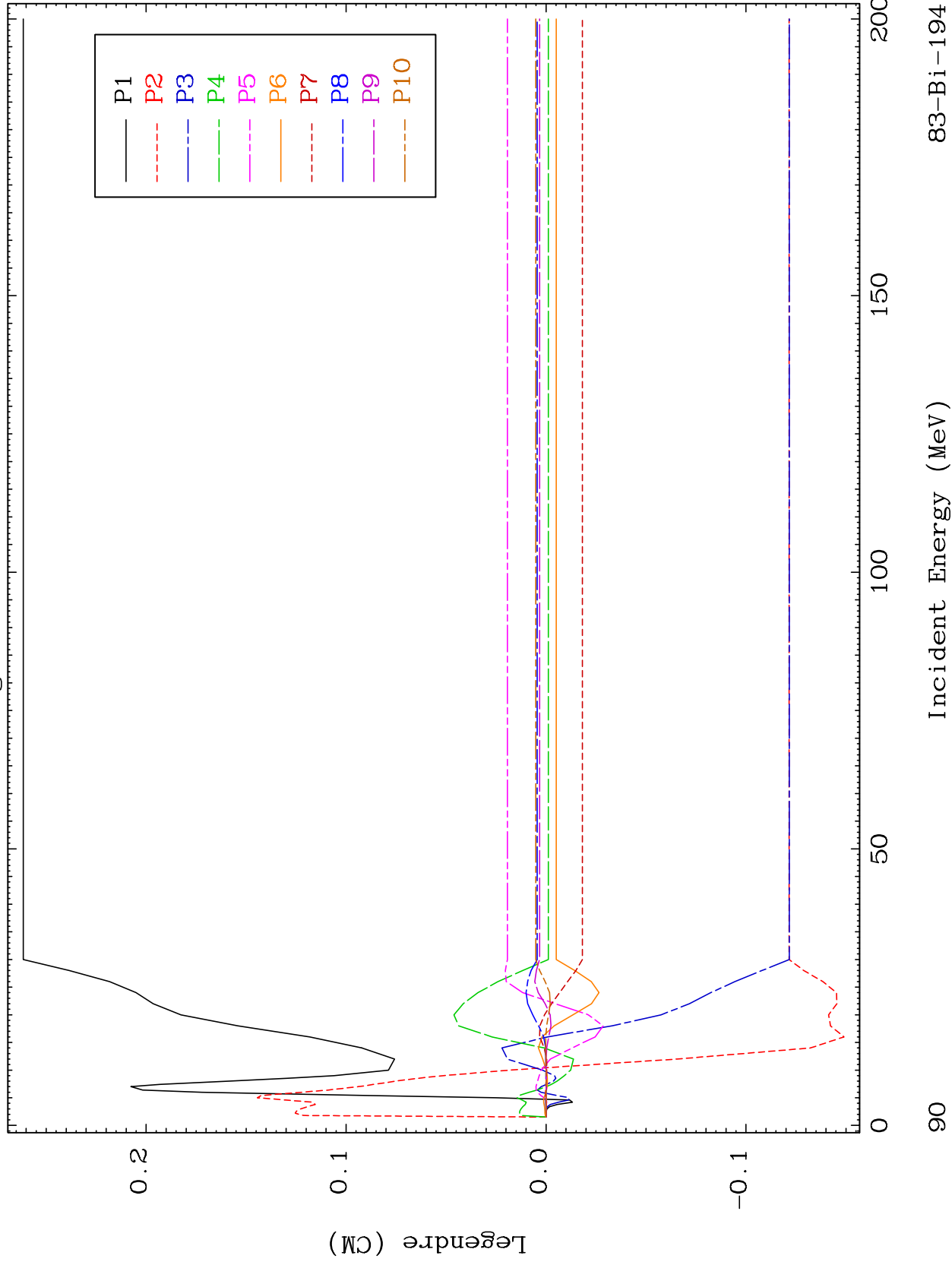
89

83-Bi-194

MAT 8280

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

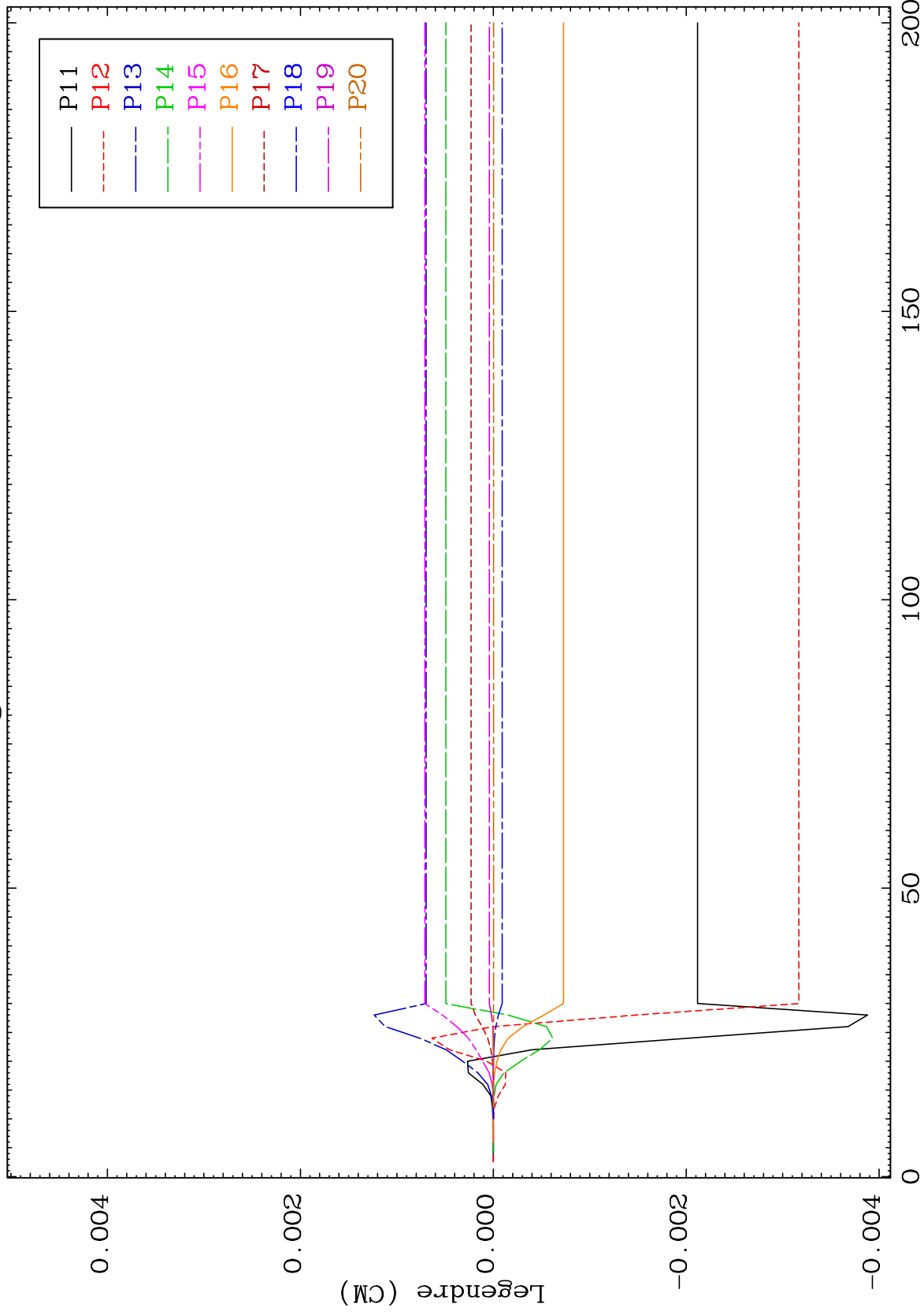
83-Bi-194



MAT 8280

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

83-Bi-194



91

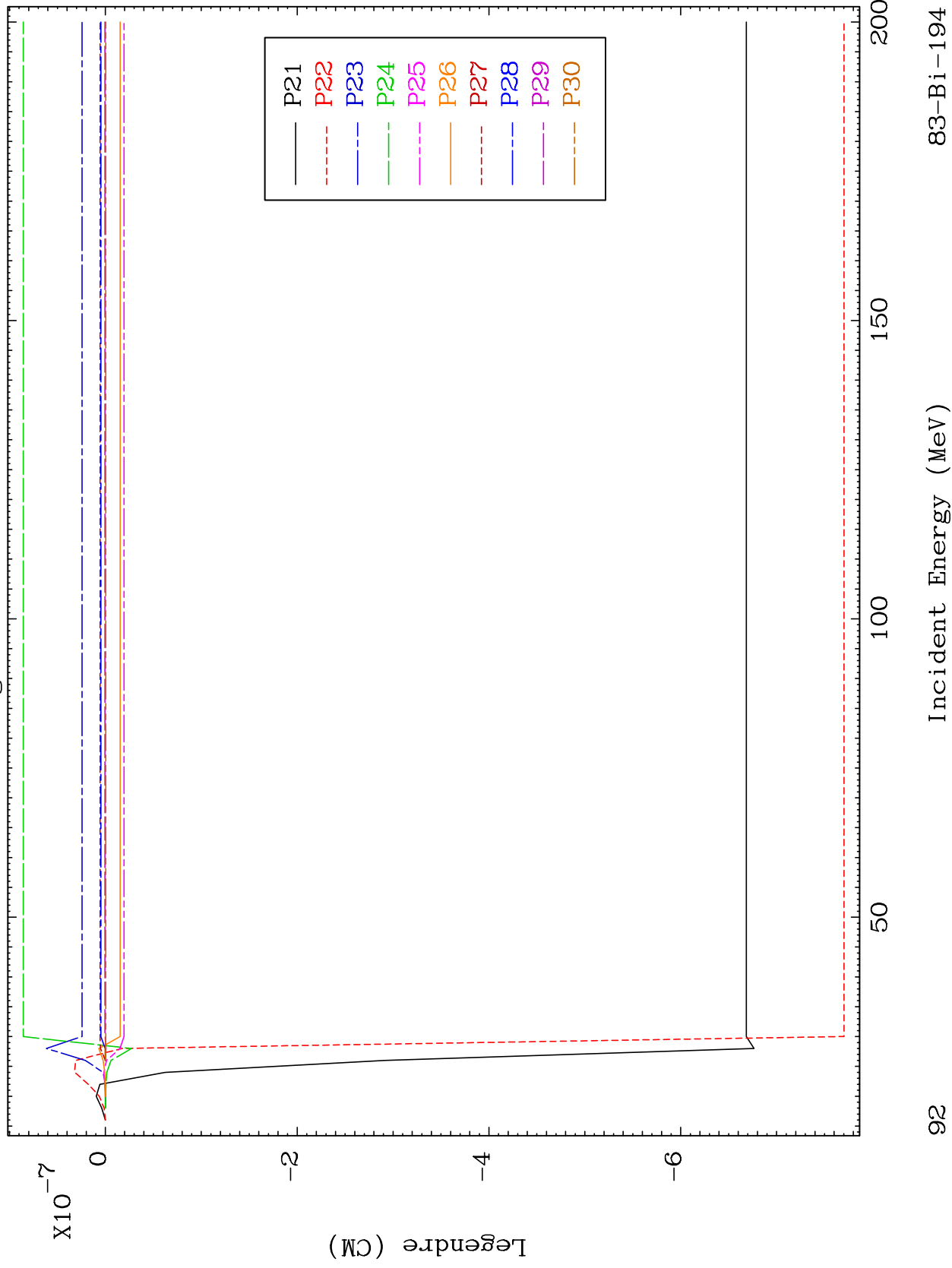
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

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



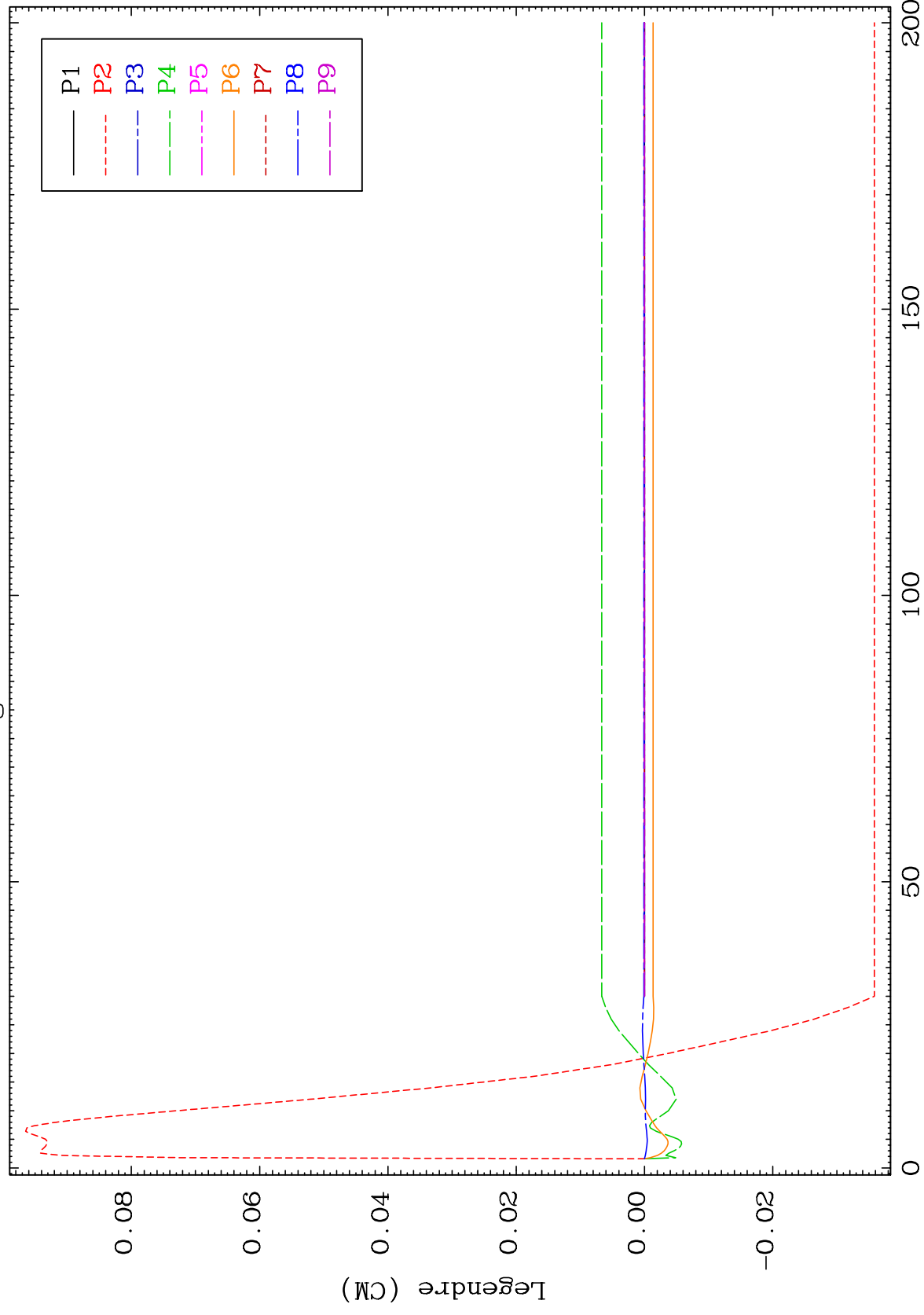
92

83-Bi-194

MAT 8280

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

83-Bi-194



93

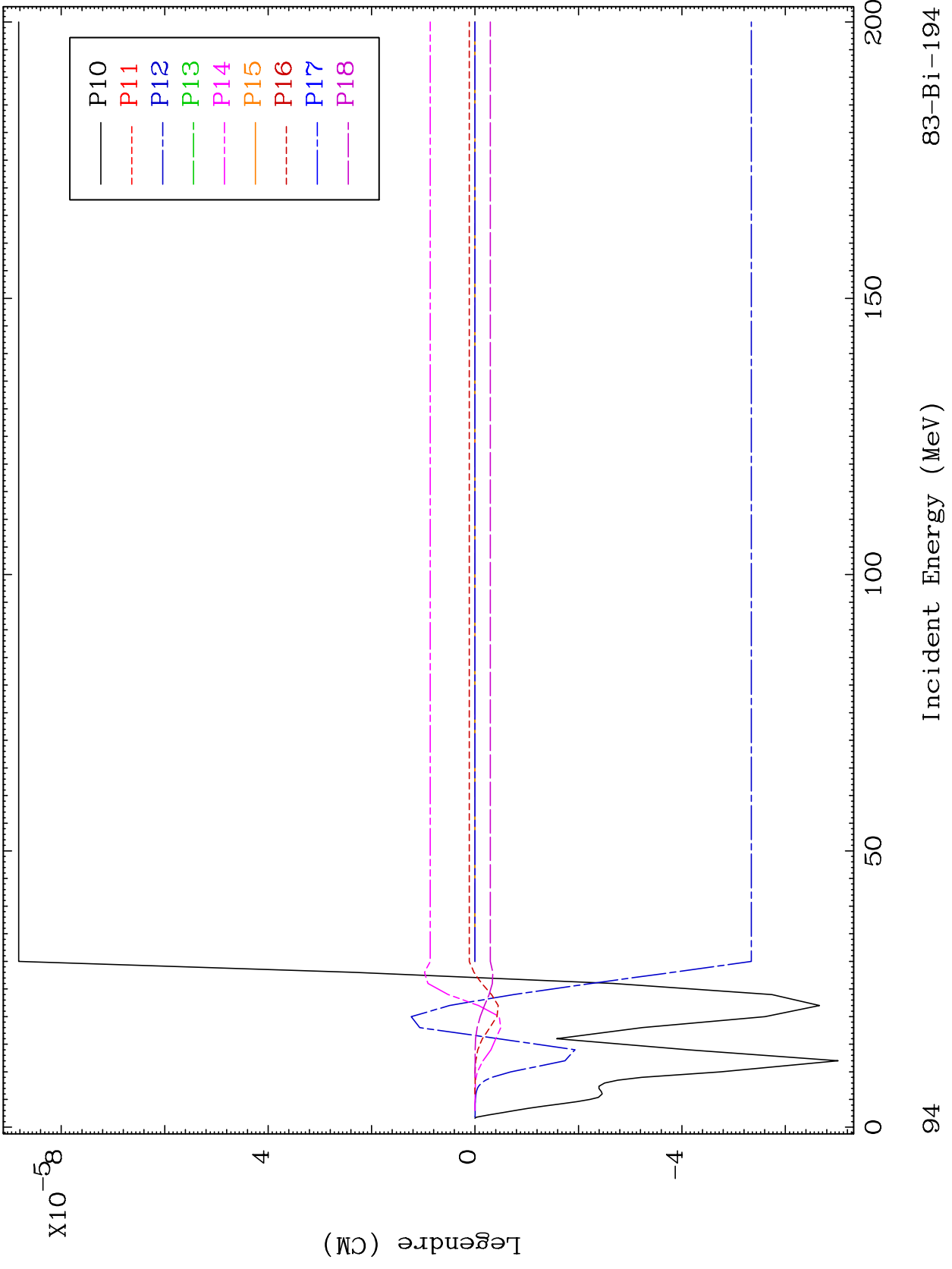
Incident Energy (MeV)

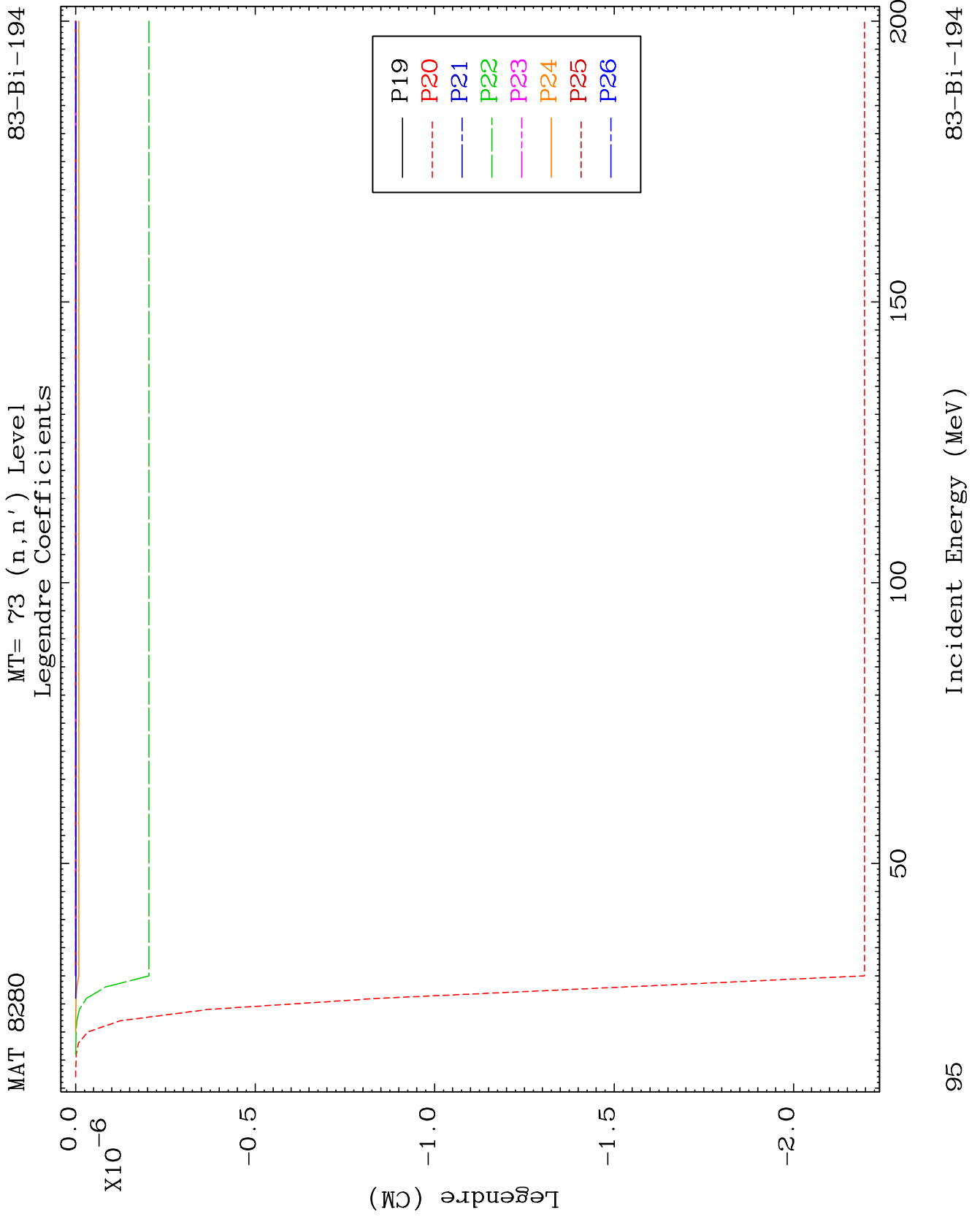
83-Bi-194

MAT 8280

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

83-Bi-194

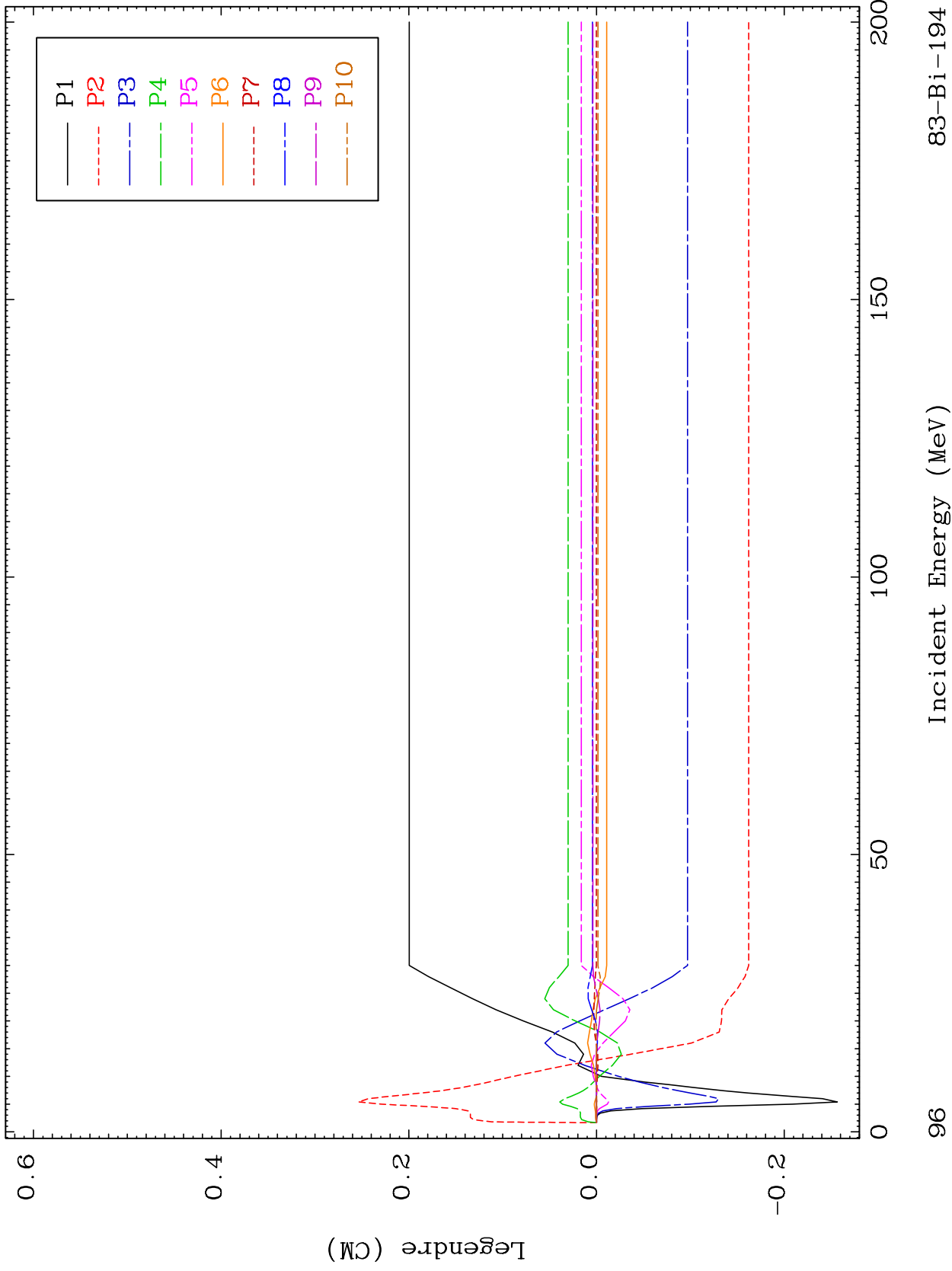




MAT 8280

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

83-Bi-194



83-Bi-194

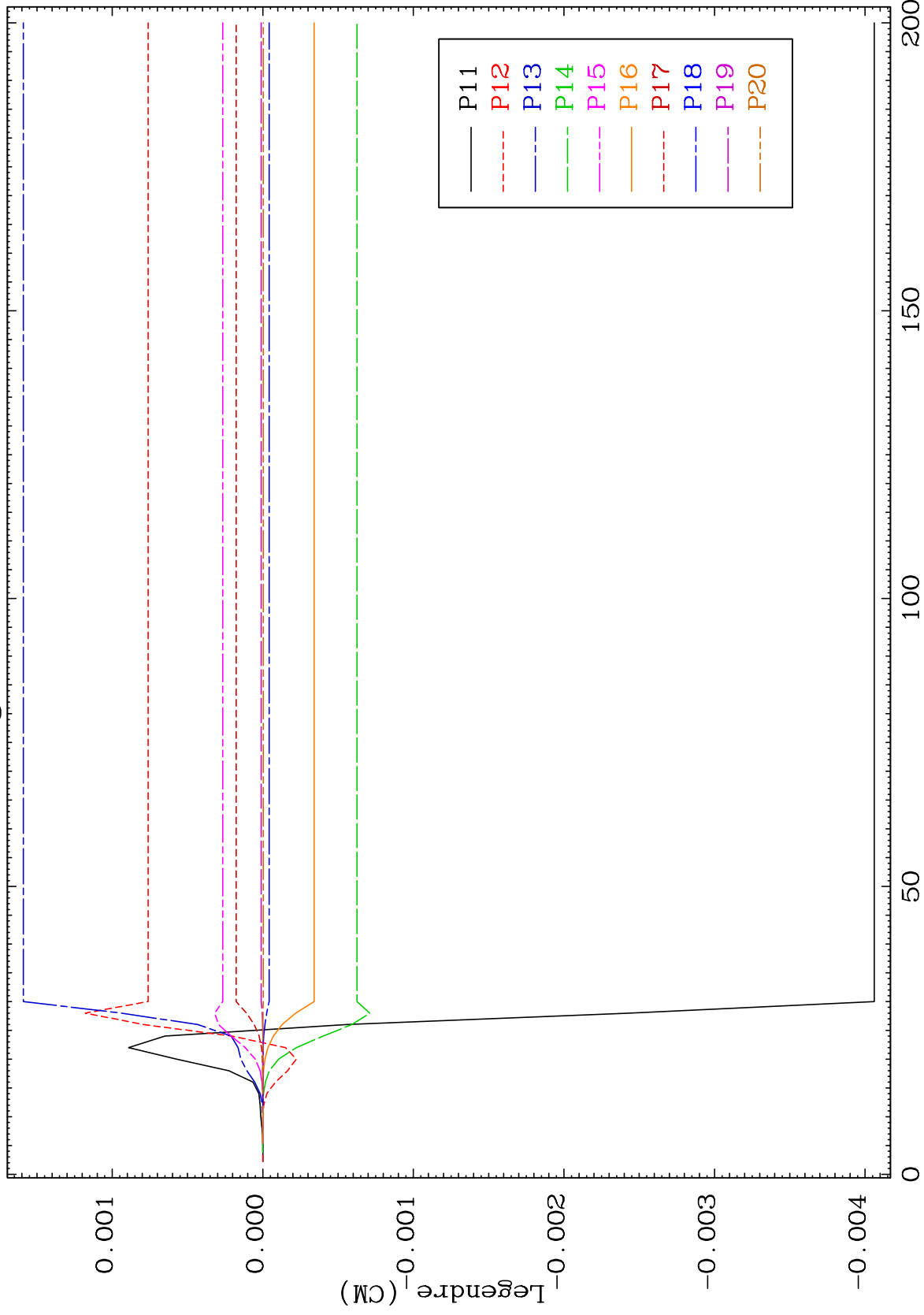
Incident Energy (MeV)

96

MAT 8280

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

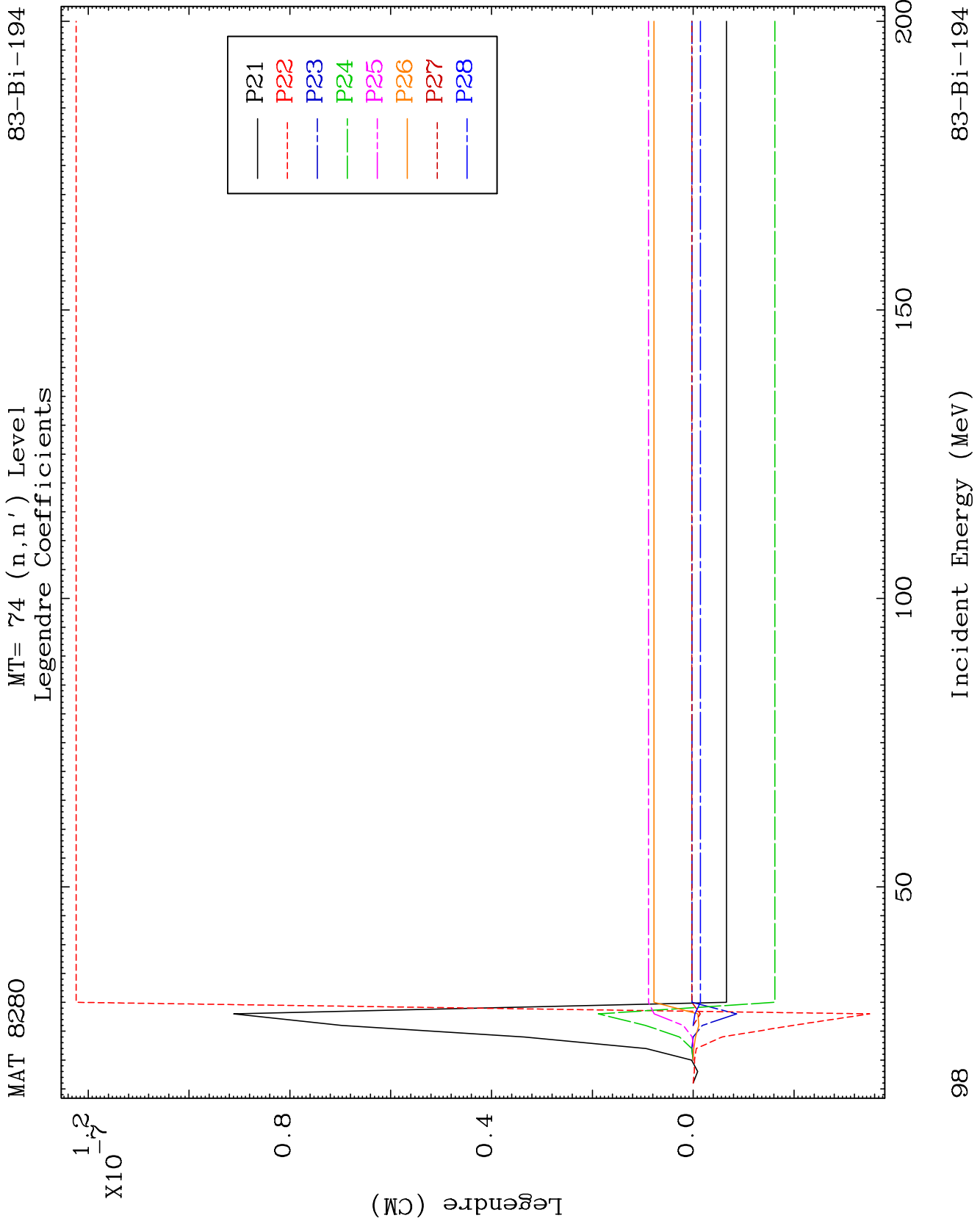
83-Bi-194



97

Incident Energy (MeV)

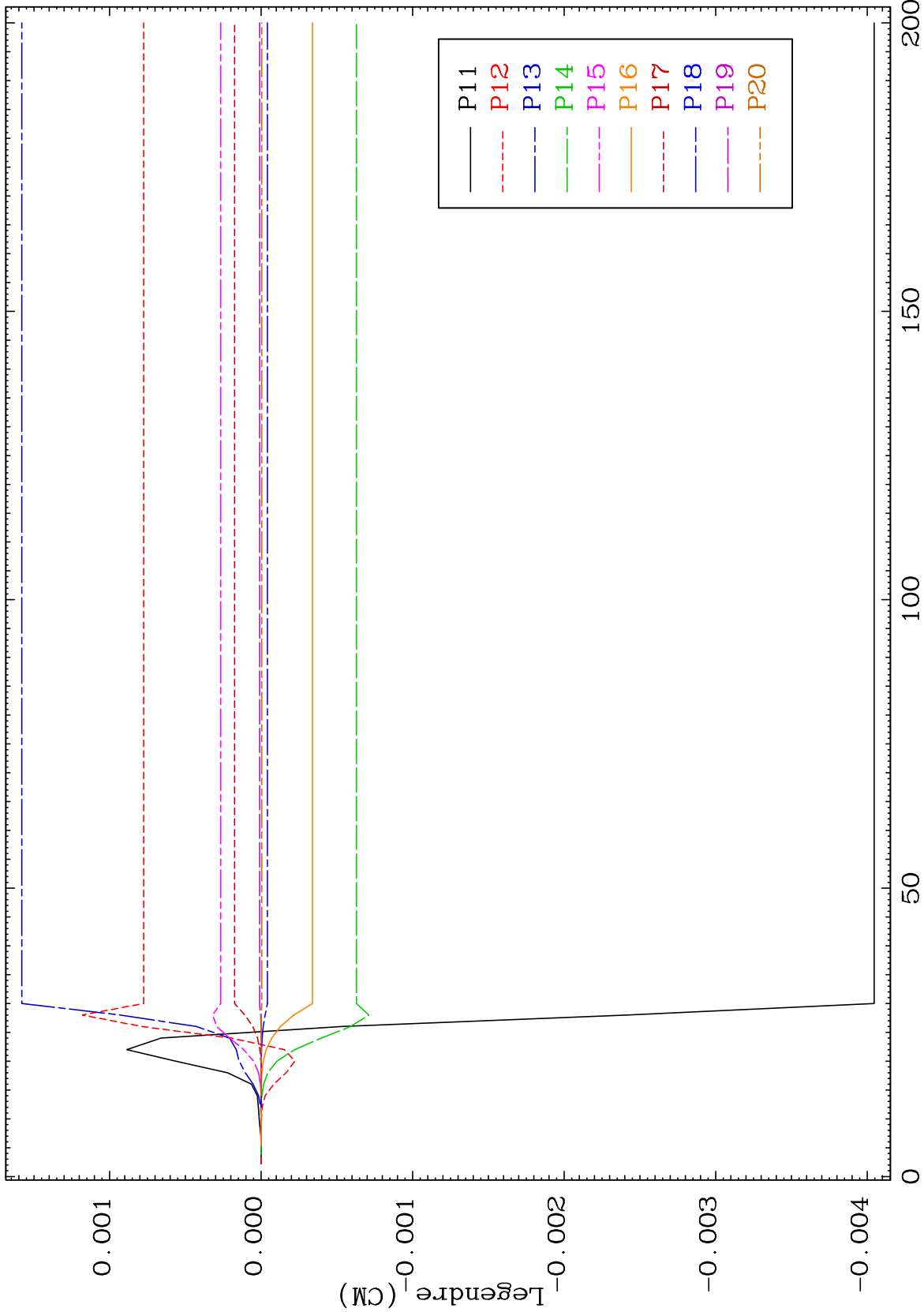
83-Bi-194



MAT 8280

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

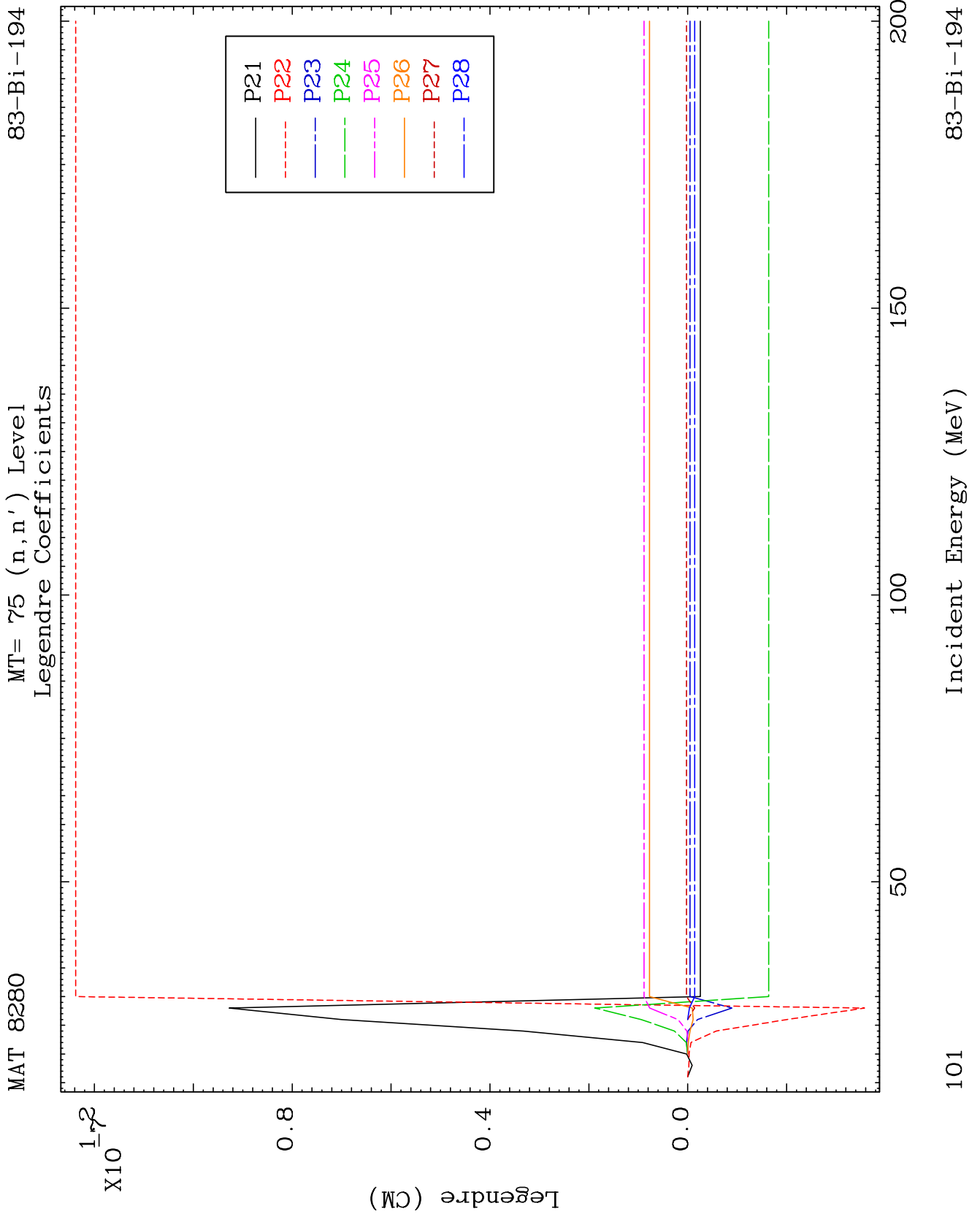
83-Bi-194



100

Incident Energy (MeV)

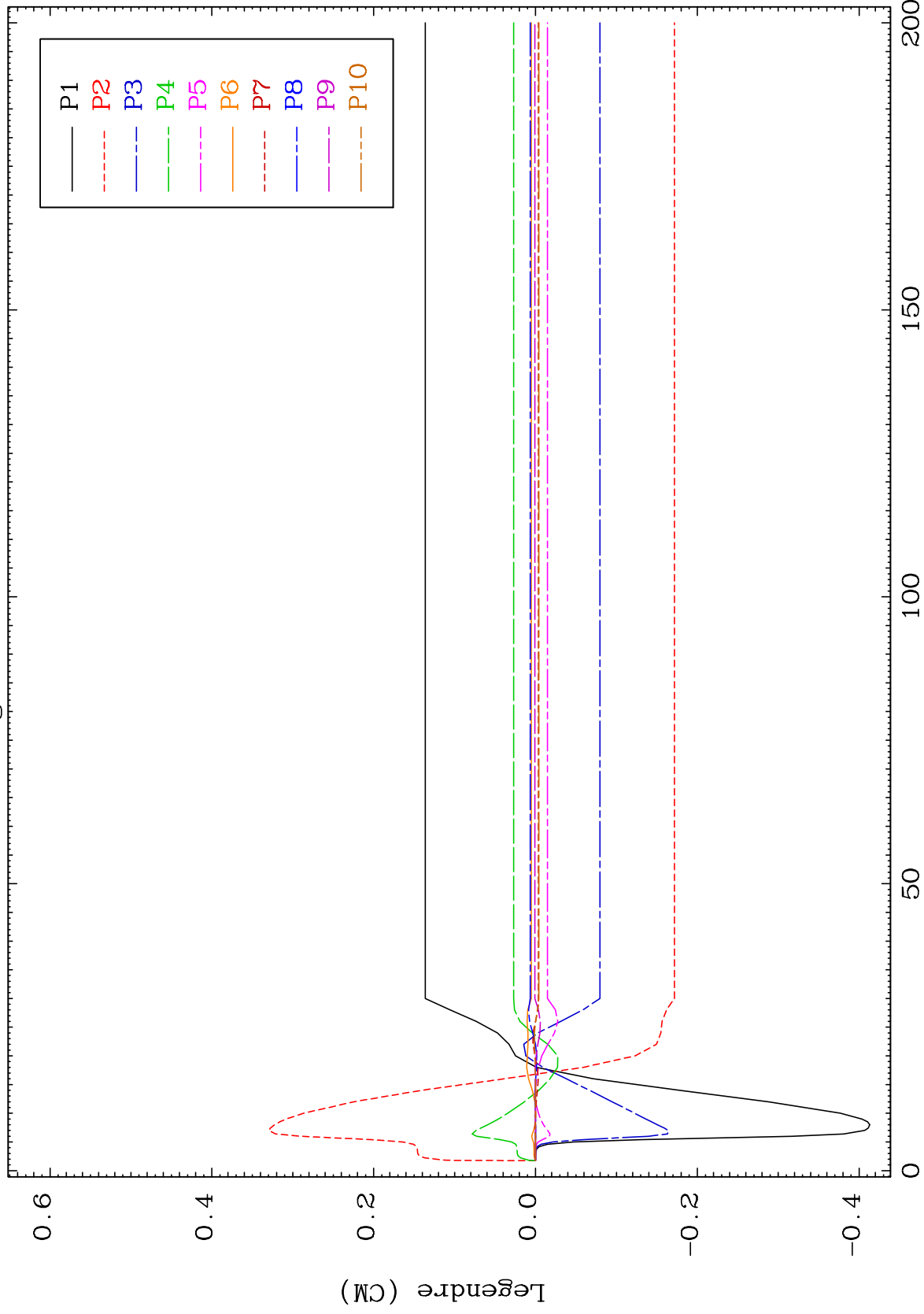
83-Bi-194



MAT 8280

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

83-Bi-194



102

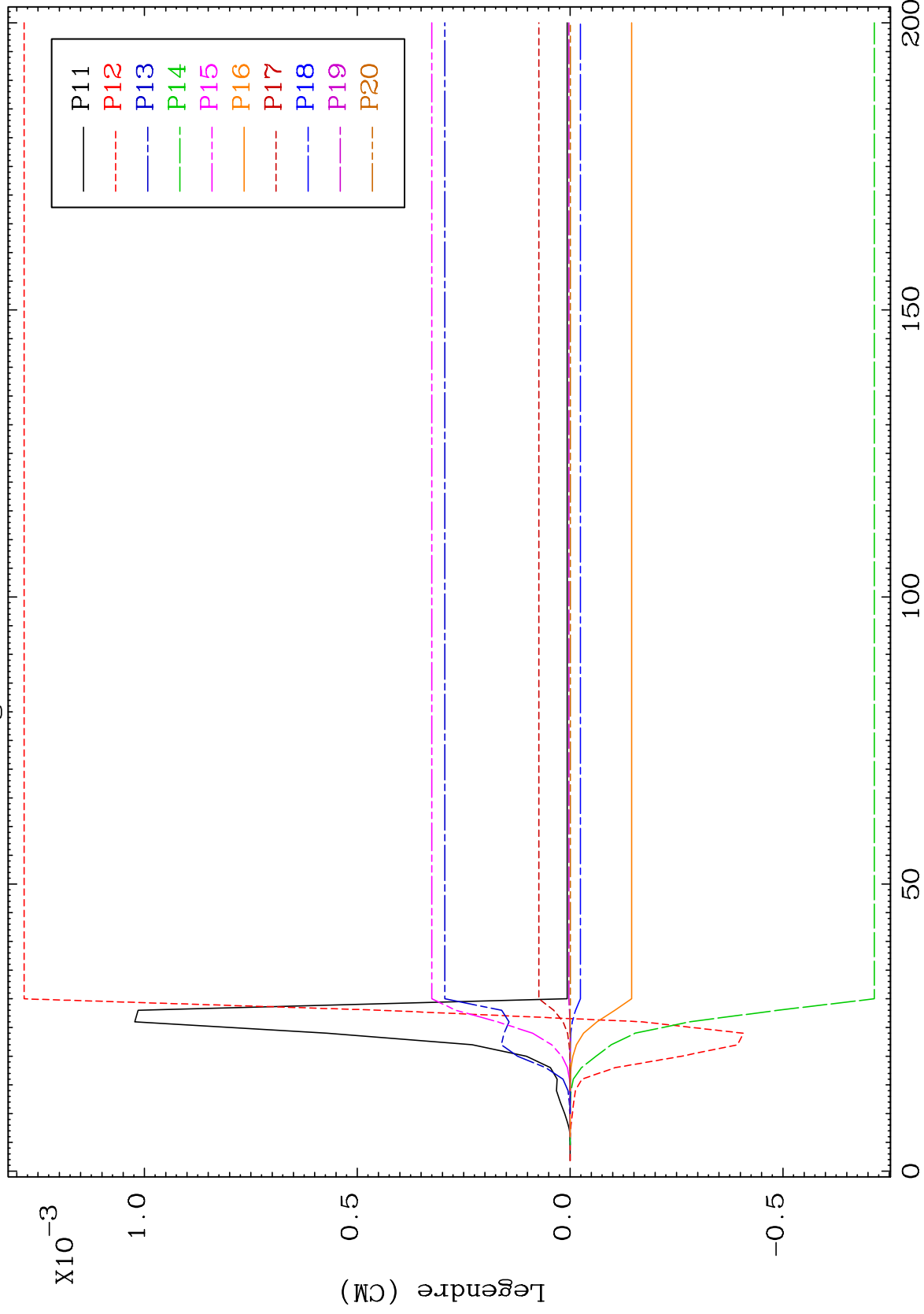
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



103

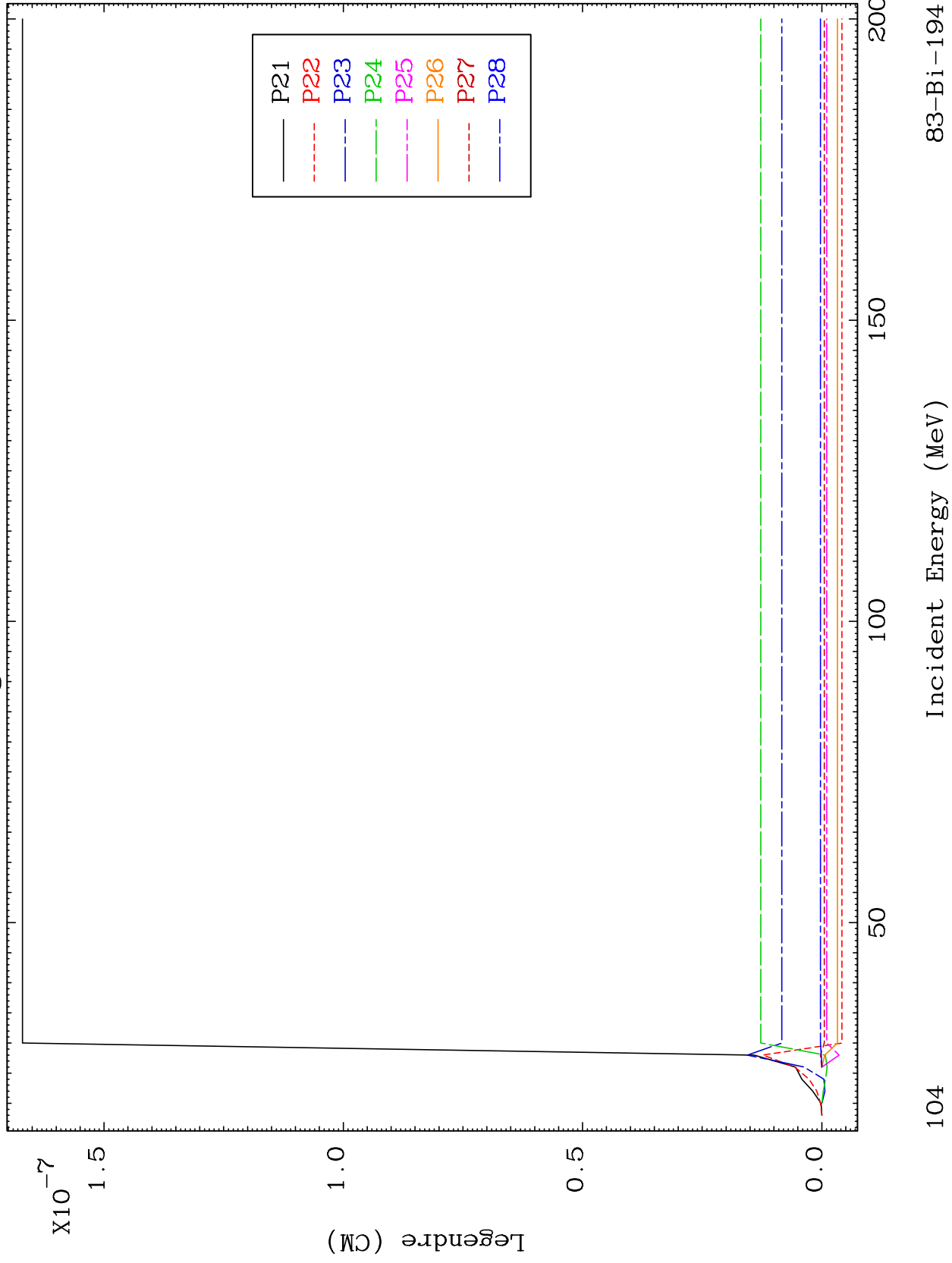
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



104

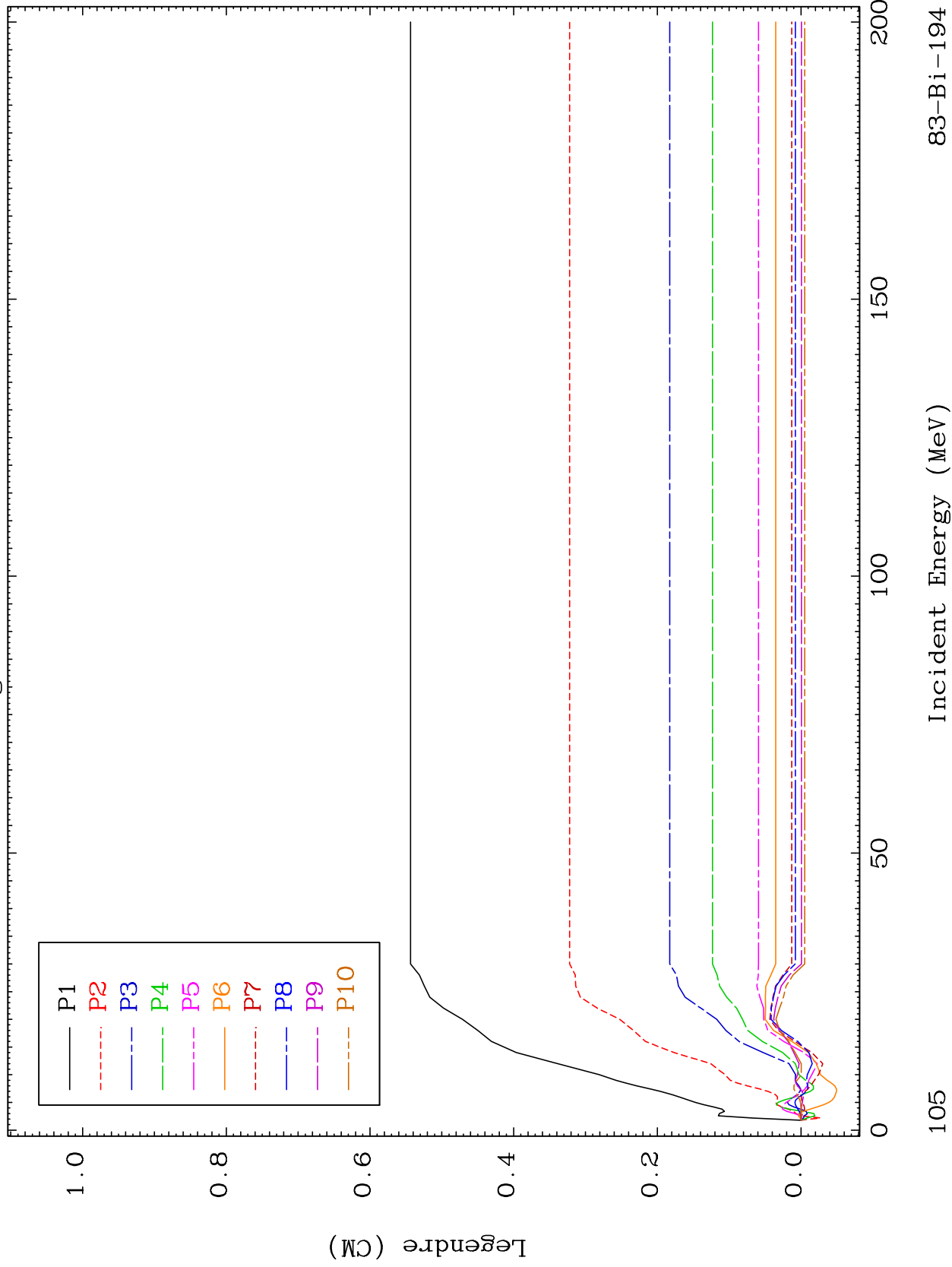
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

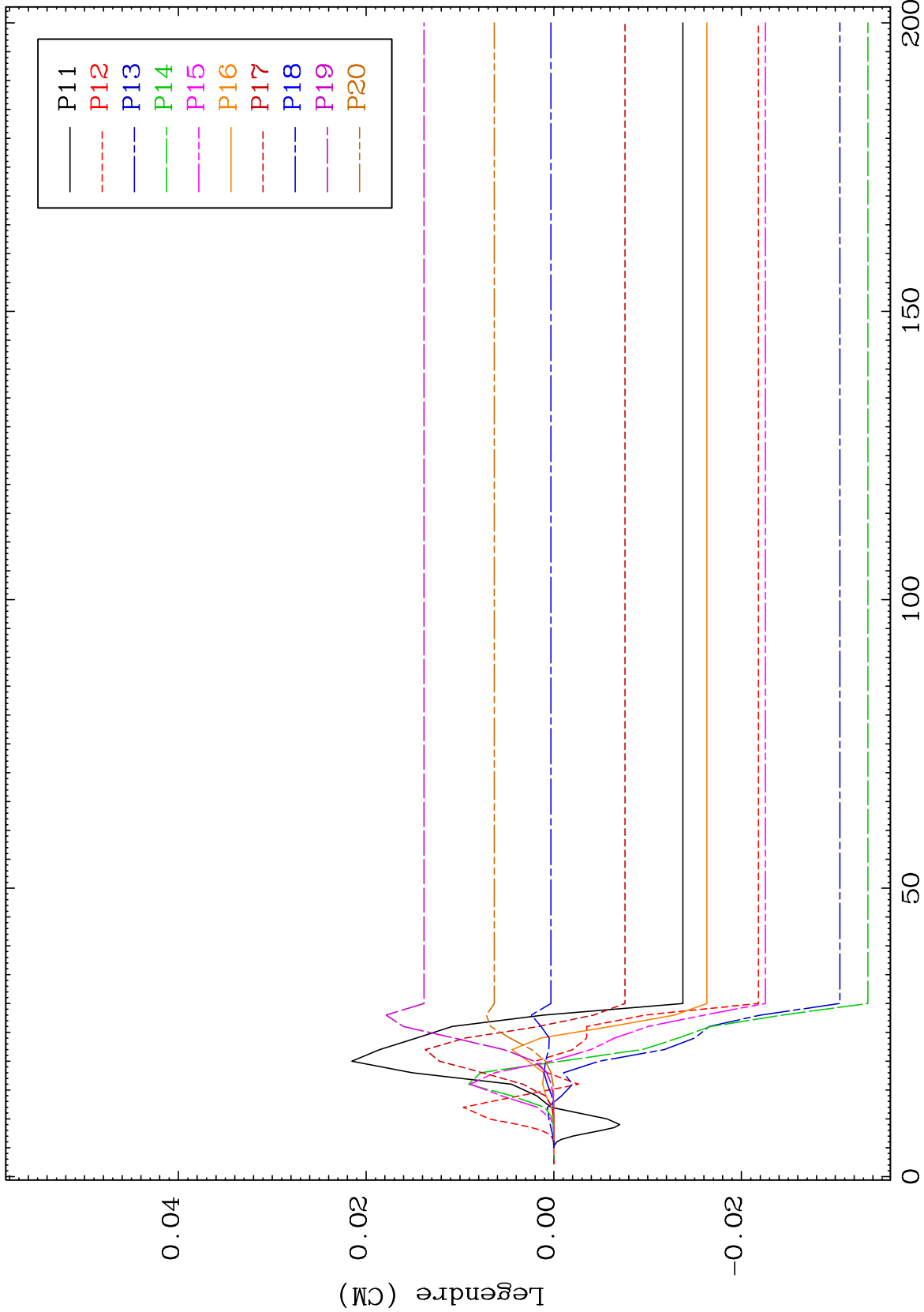
83-Bi-194



MAT 8280

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

83-Bi-194



106

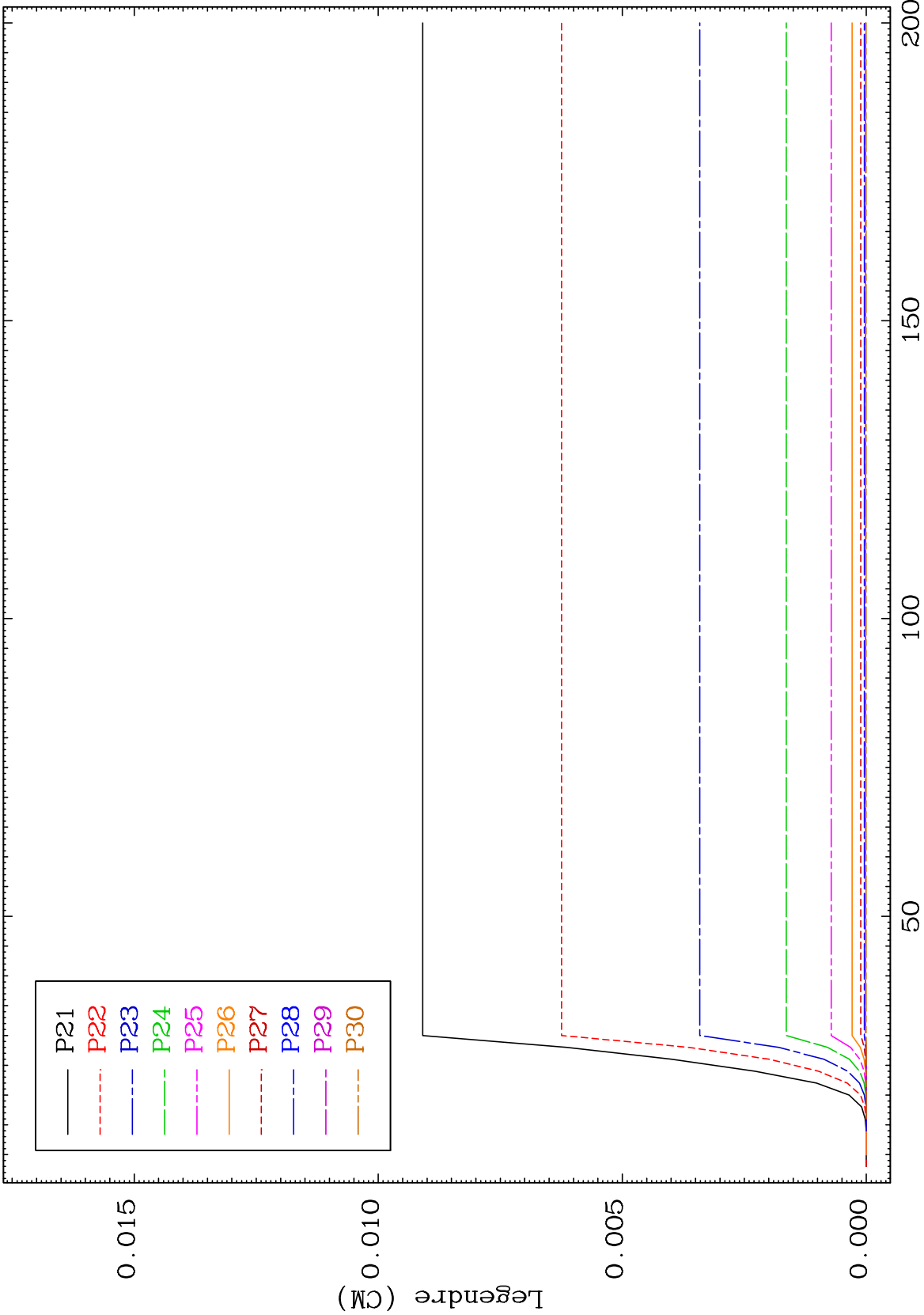
Incident Energy (MeV)

83-Bi-194

MAT 8280

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

83-Bi-194



107

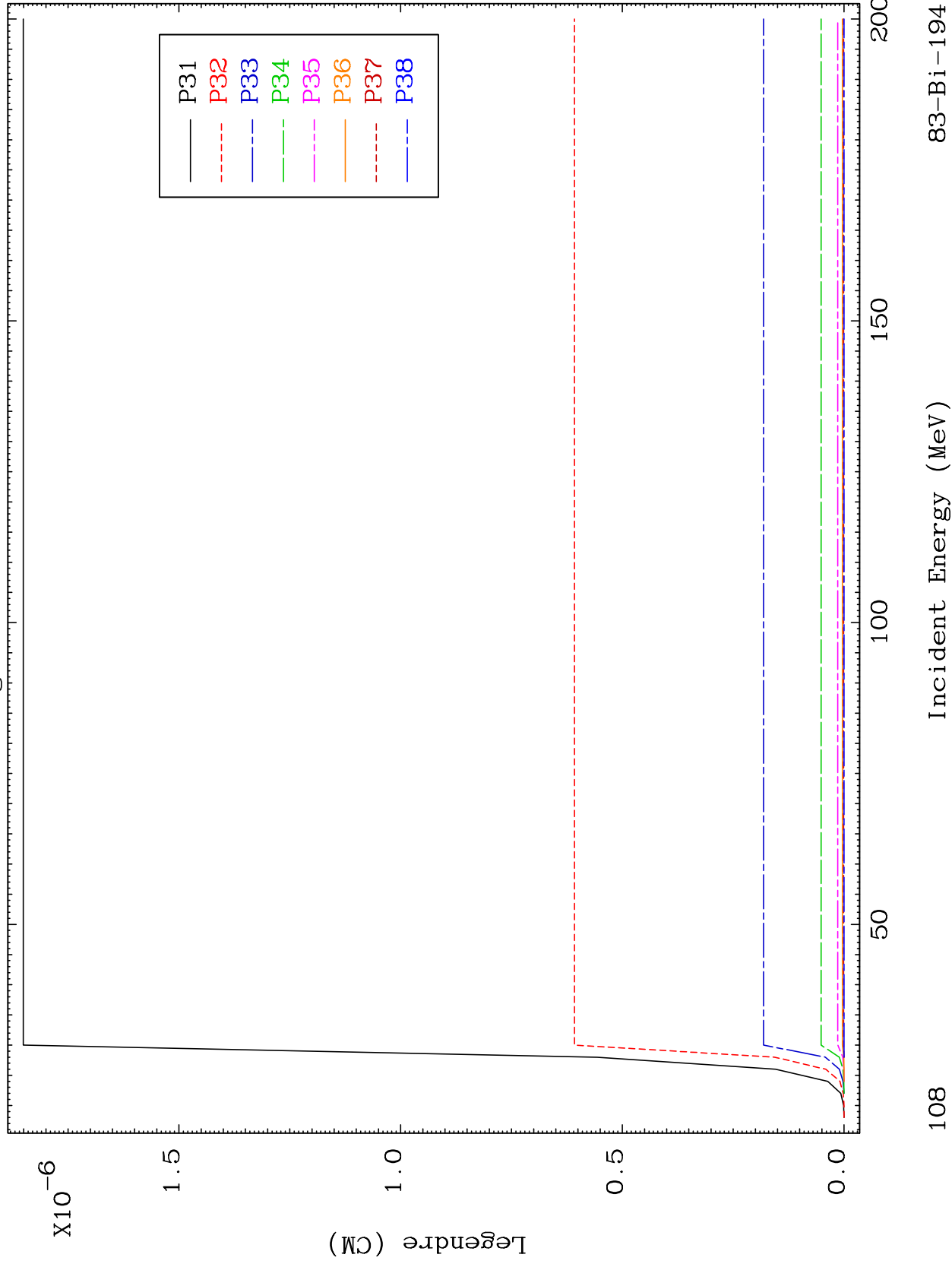
Incident Energy (MeV)

83-Bi-194

MAT 8280

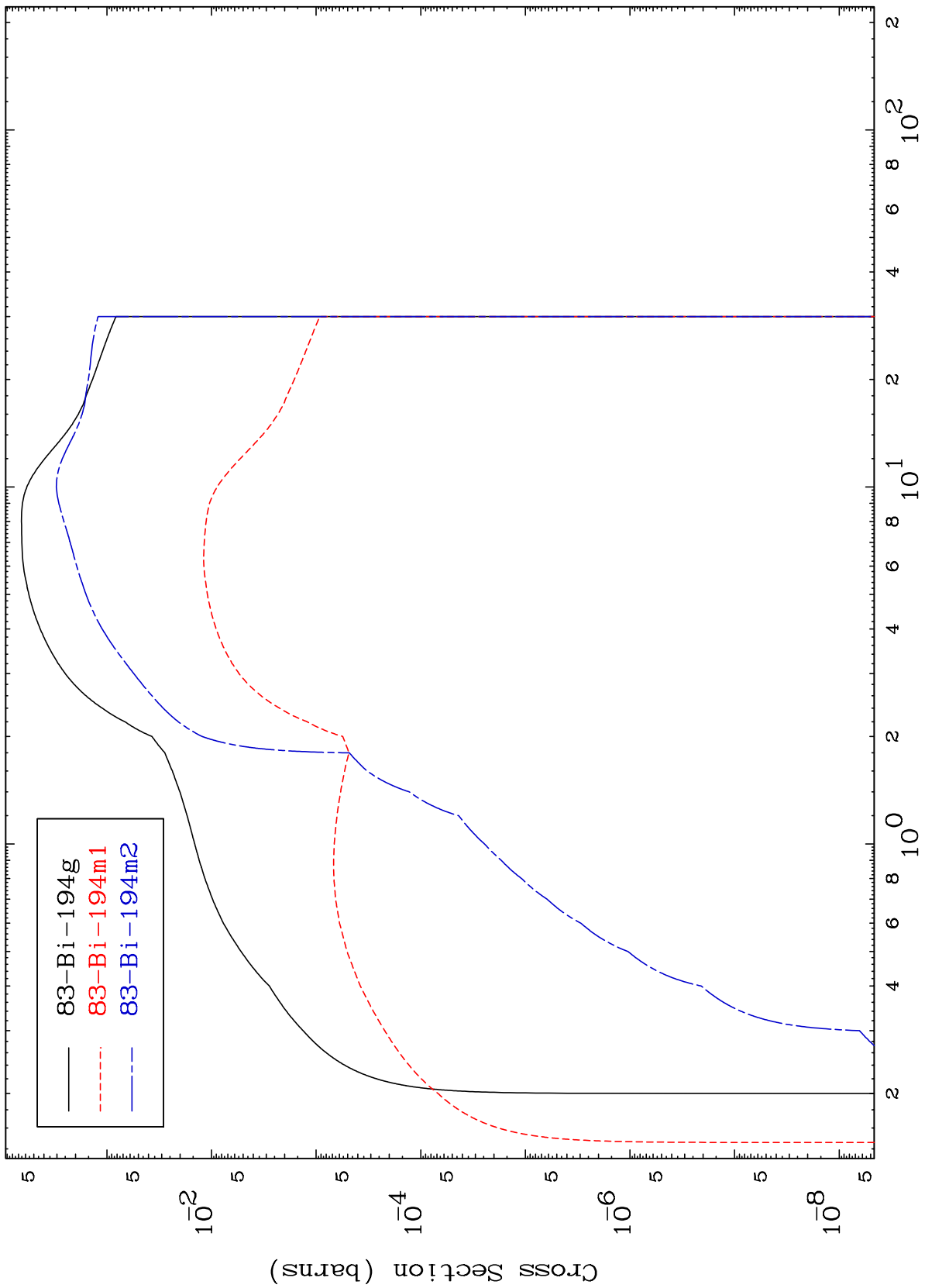
MT= 77 (n,n') Level
Legendre Coefficients

83-Bi-194



108

Radionuclide Production Cross Section

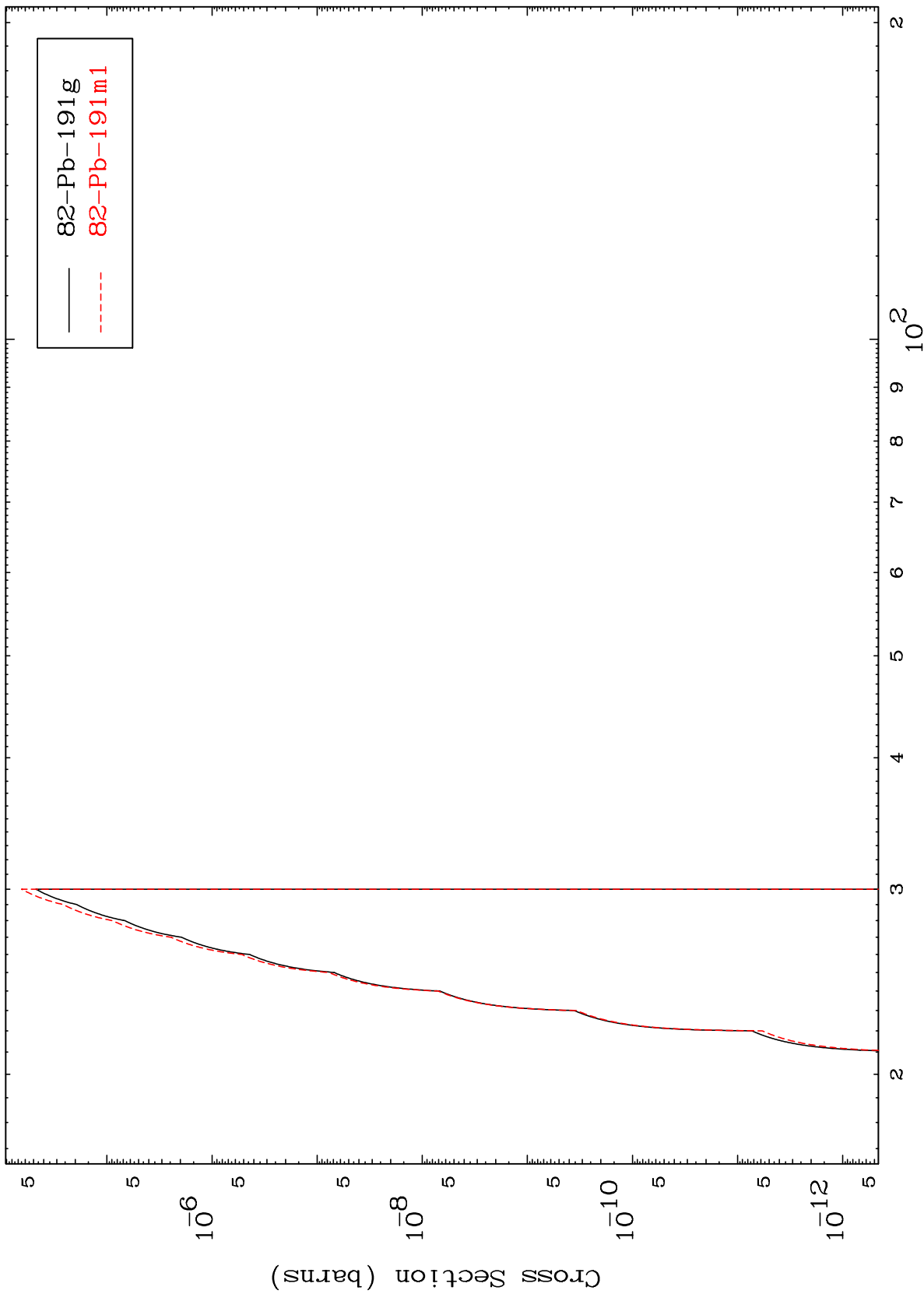


MAT 8280

(n,2n) d

83-Bi-194

Radionuclide Production Cross Section



110

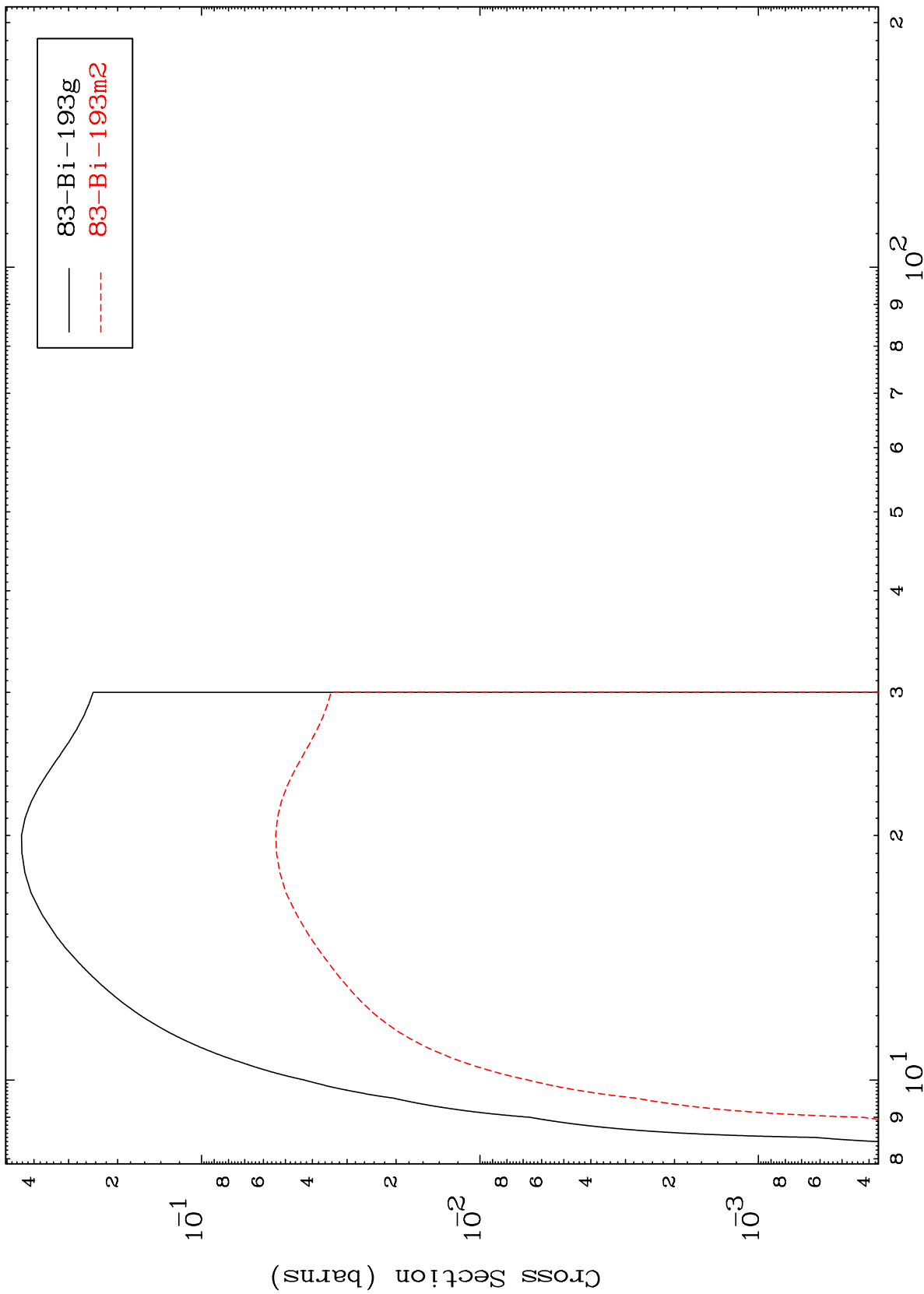
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

(n,2n)
Radionuclide Production Cross Section



83-Bi-193g
83-Bi-193m2

111

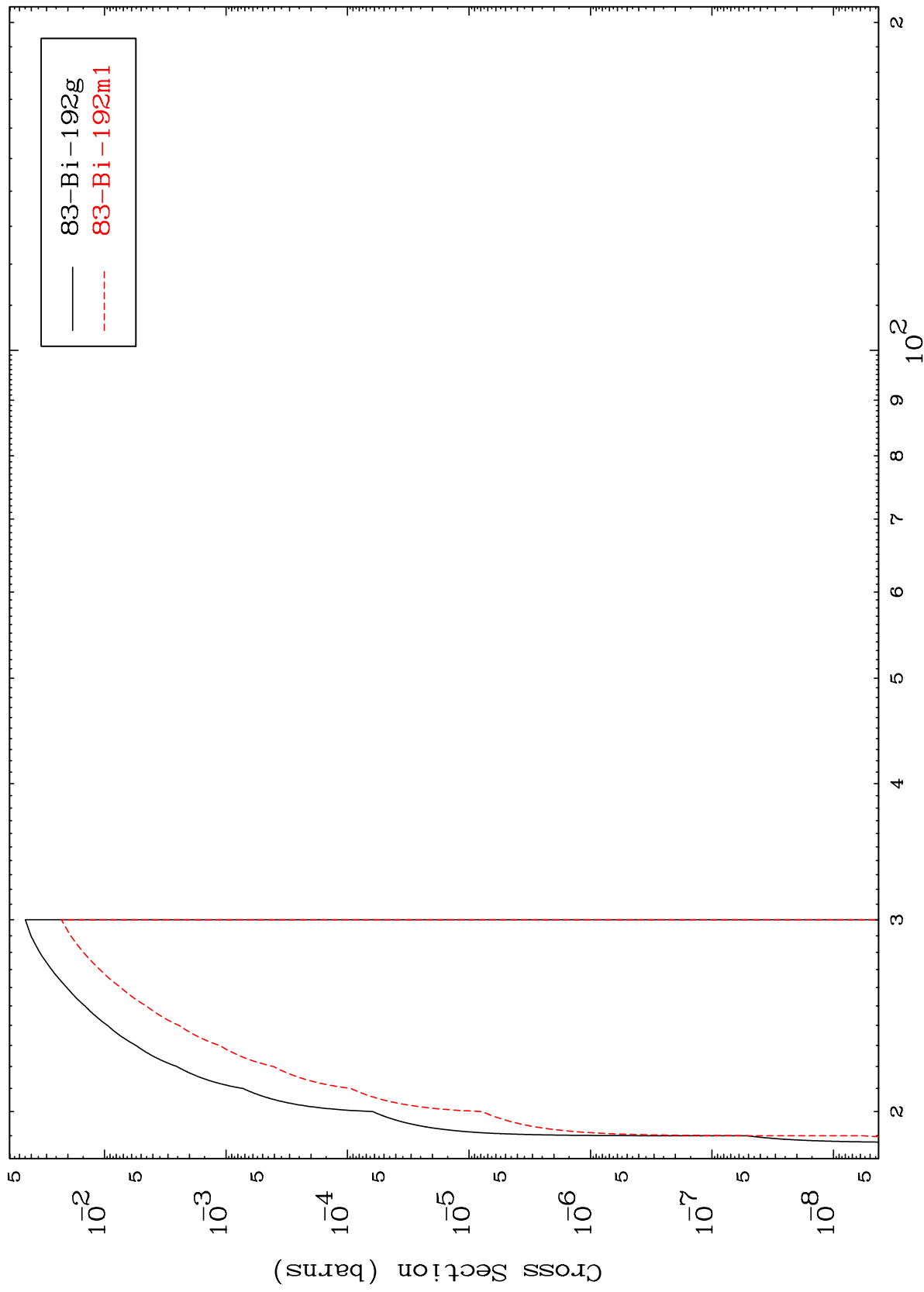
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

(n,3n)
Radionuclide Production Cross Section



83-Bi-194

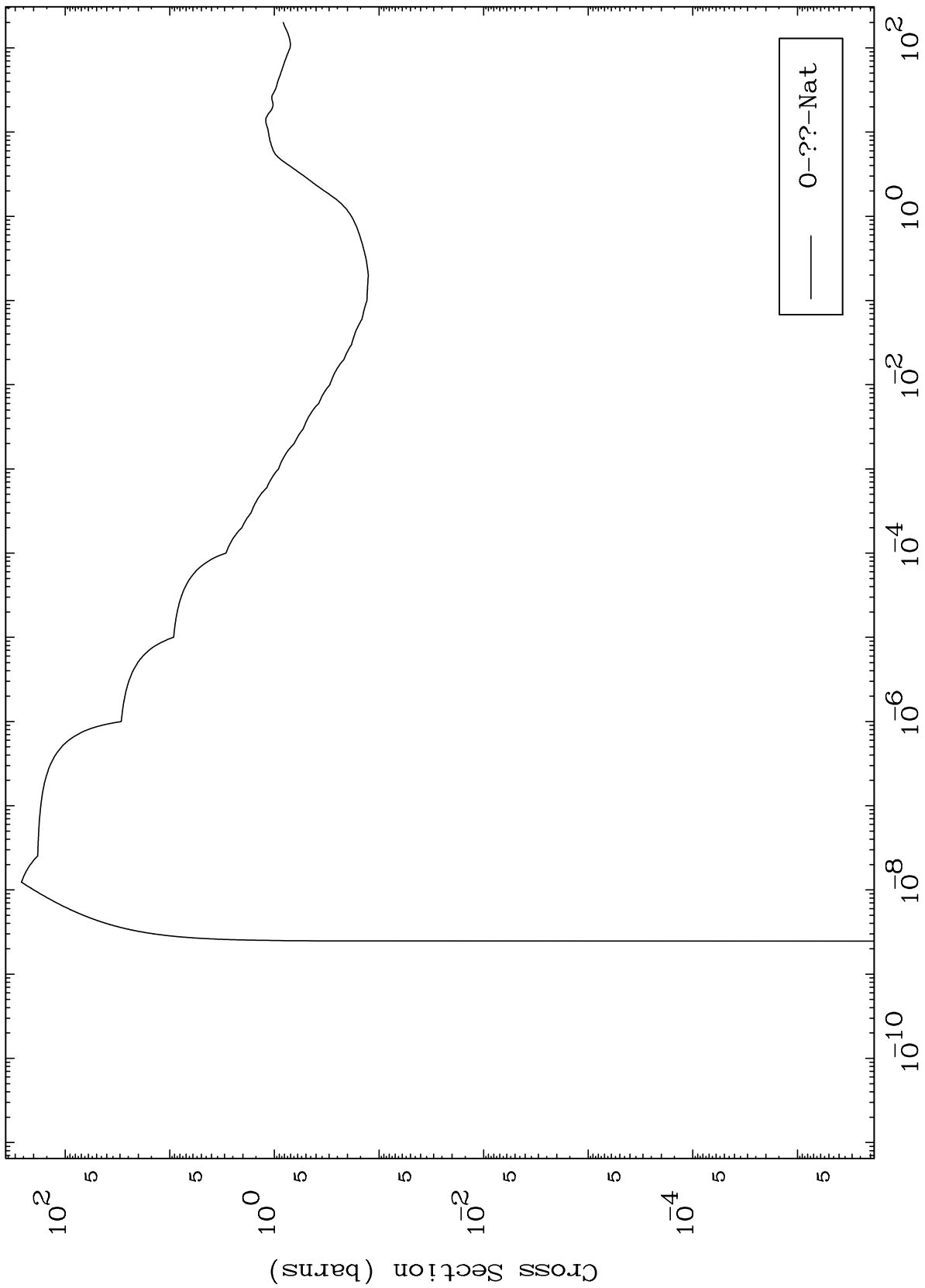
Incident Energy (MeV)

112

MAT 8280

83-Bi-194

Fission
Radionuclide Production Cross Section



113

83-Bi-194

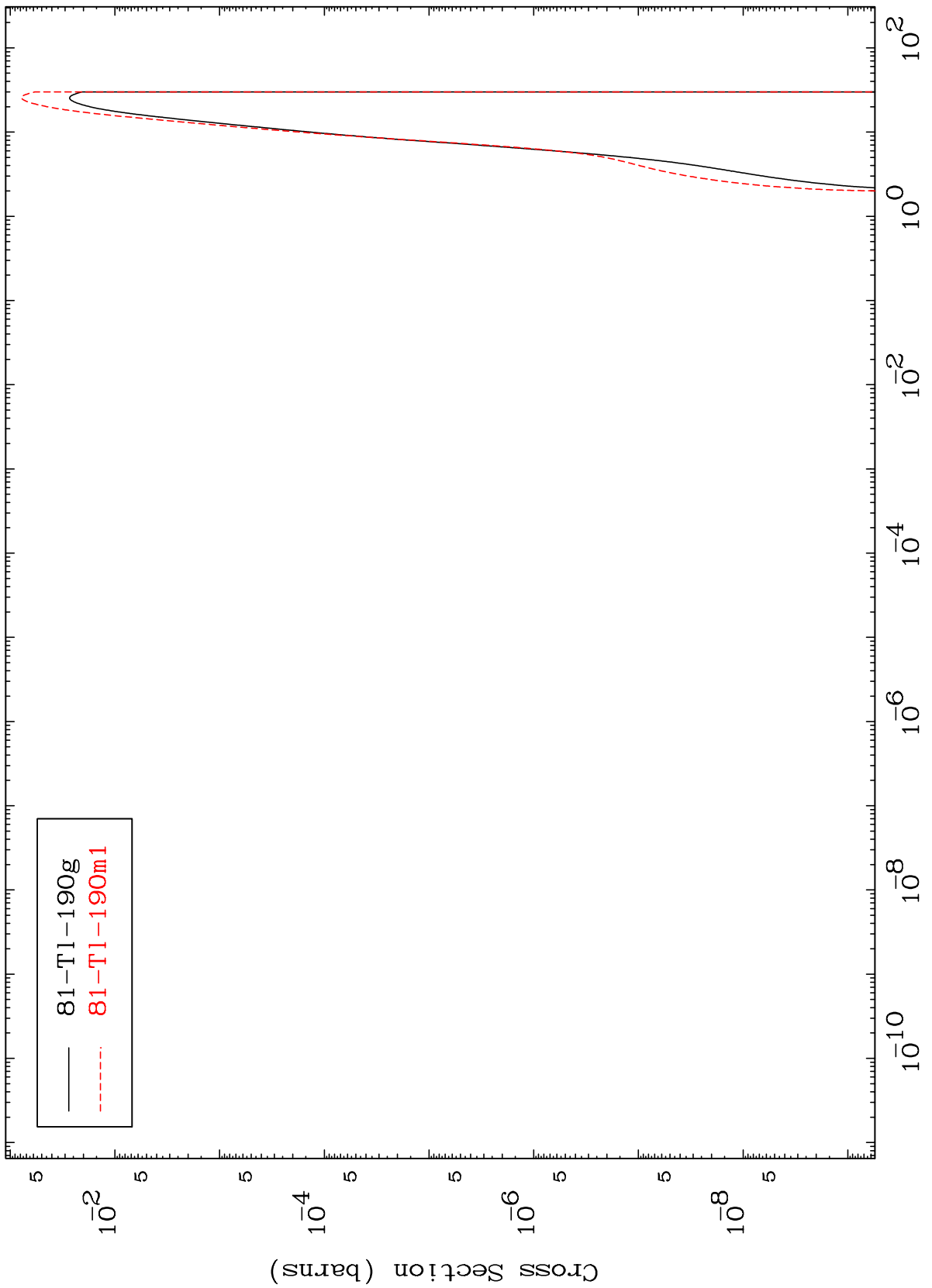
Incident Energy (MeV)

MAT 8280

(n, n') α

83-Bi-194

Radionuclide Production Cross Section

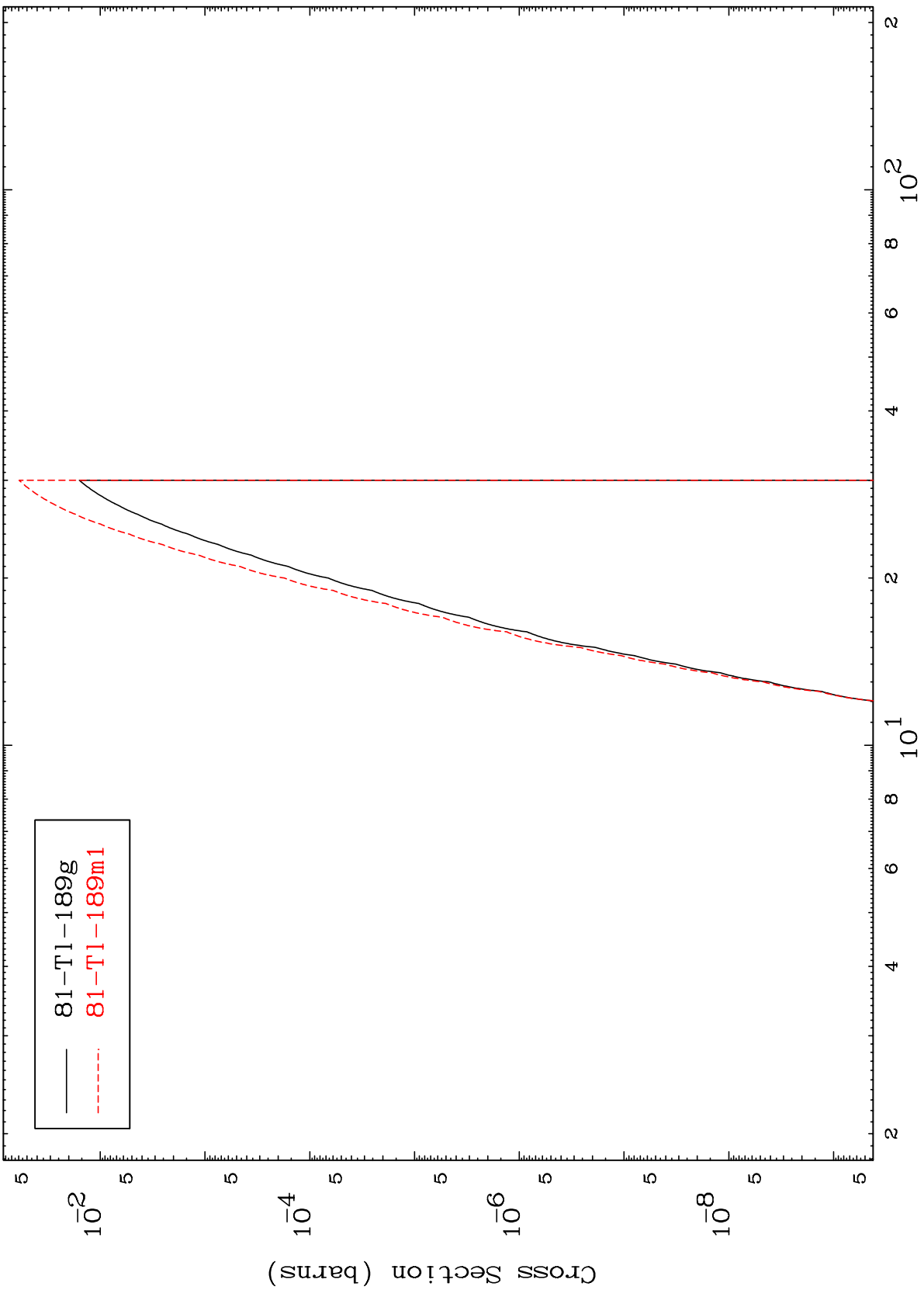


MAT 8280

(n,2n) α

83-Bi-194

Radionuclide Production Cross Section

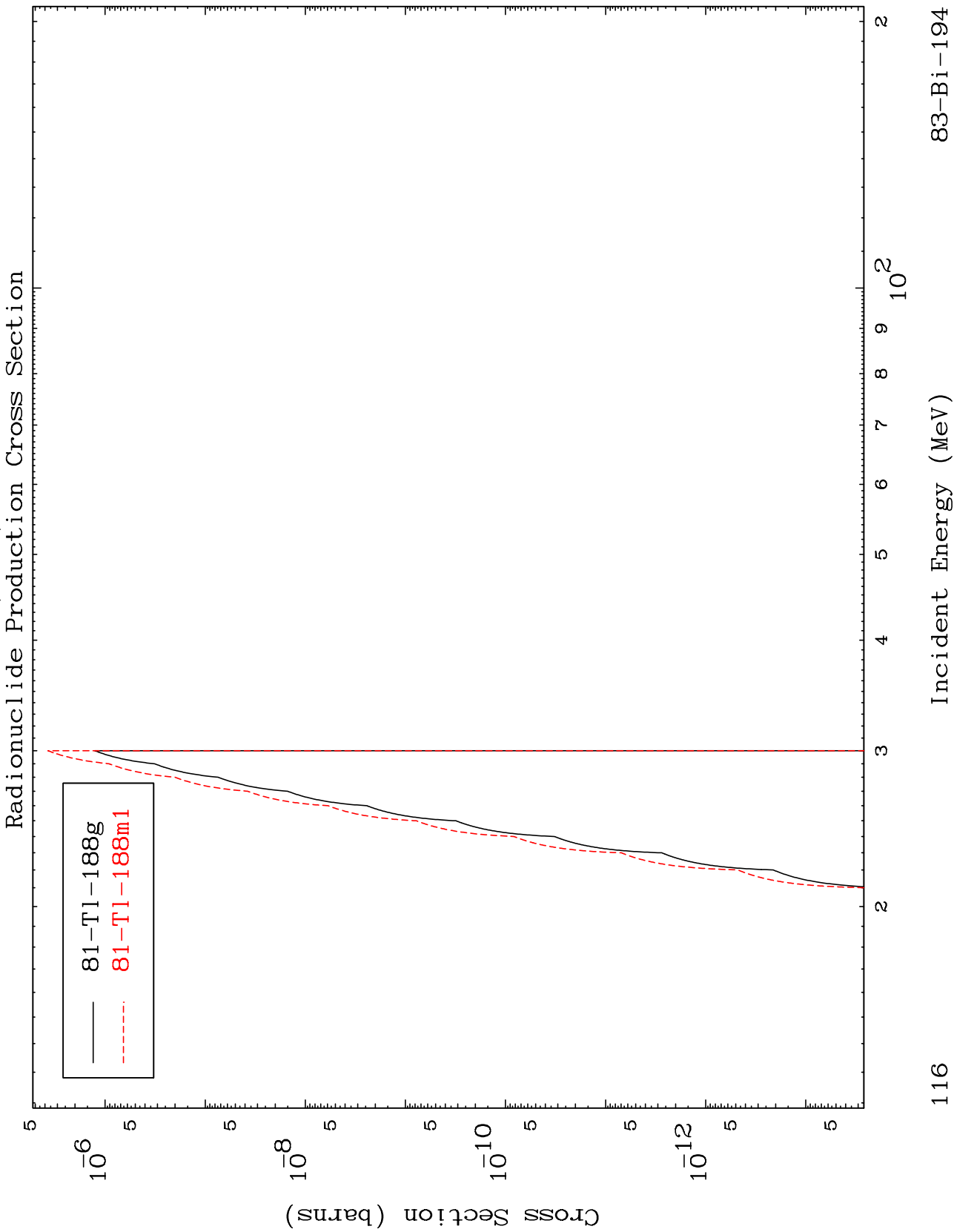


81-Tl-189g
81-Tl-189m1

115

Incident Energy (MeV)

83-Bi-194

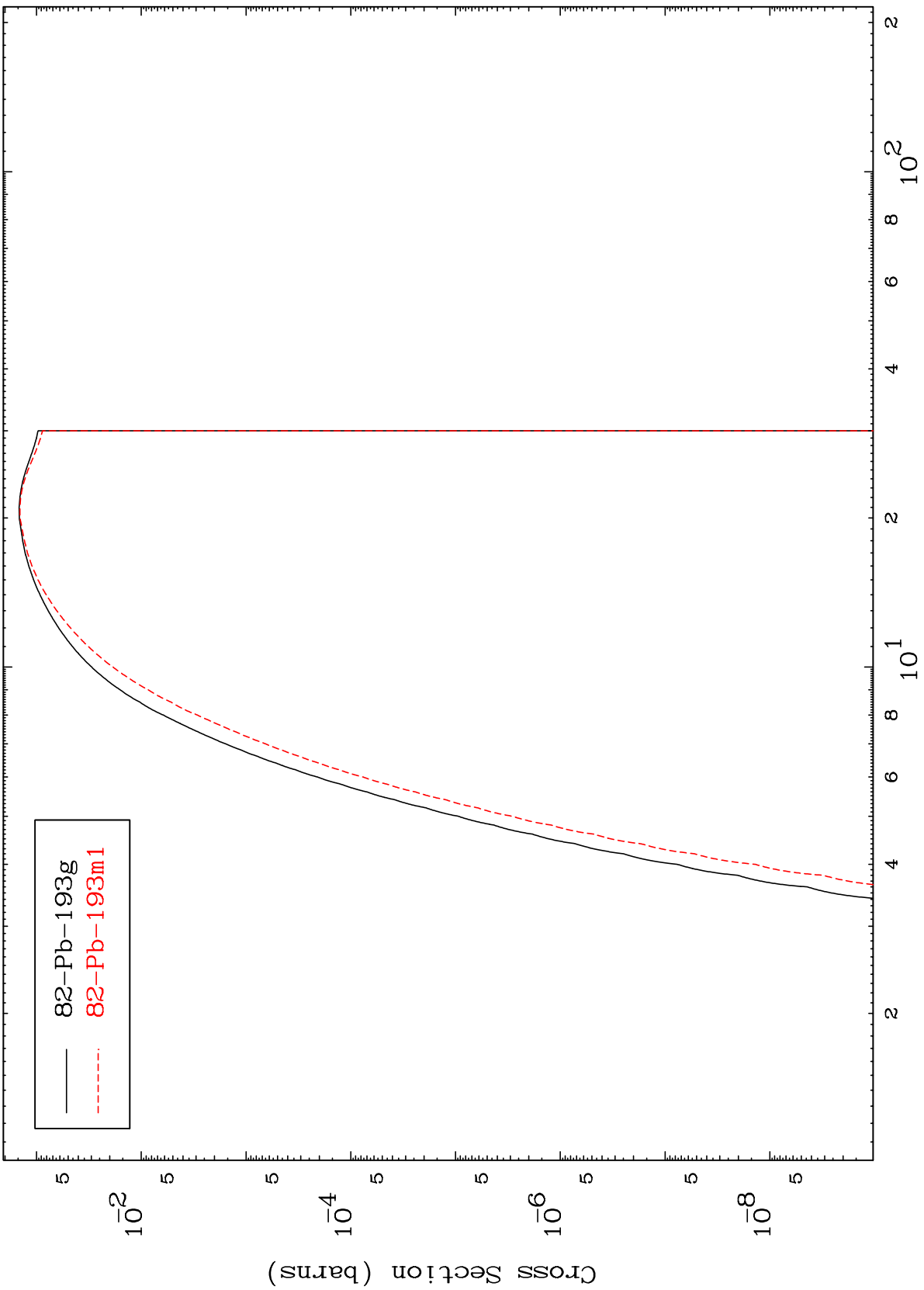


MAT 8280

(n,n') p

83-Bi-194

Radionuclide Production Cross Section



82-Pb-193g
82-Pb-193m1

117

Incident Energy (MeV)

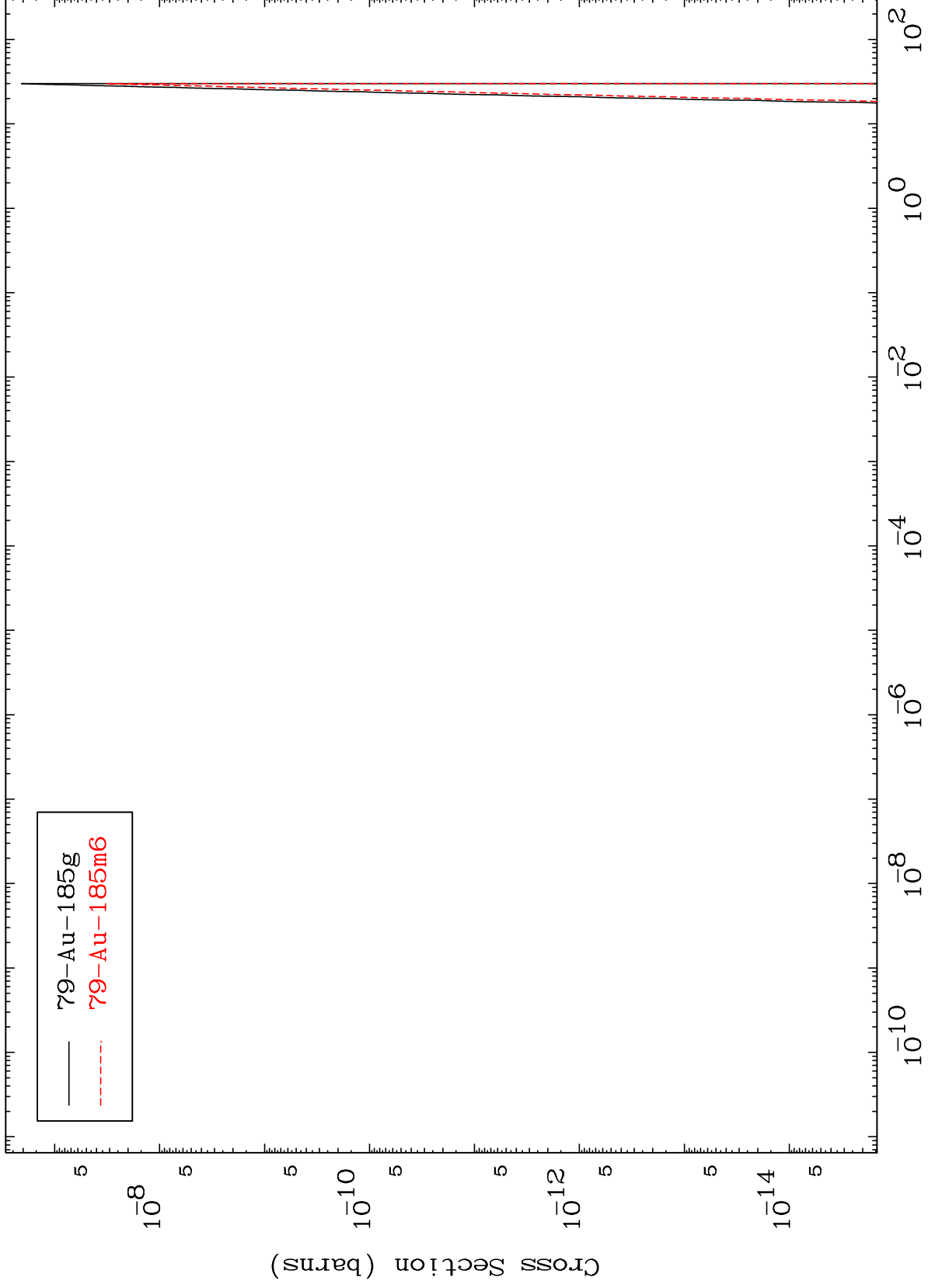
83-Bi-194

MAT 8280

(n,2n) 2 α

83-Bi-194

Radionuclide Production Cross Section



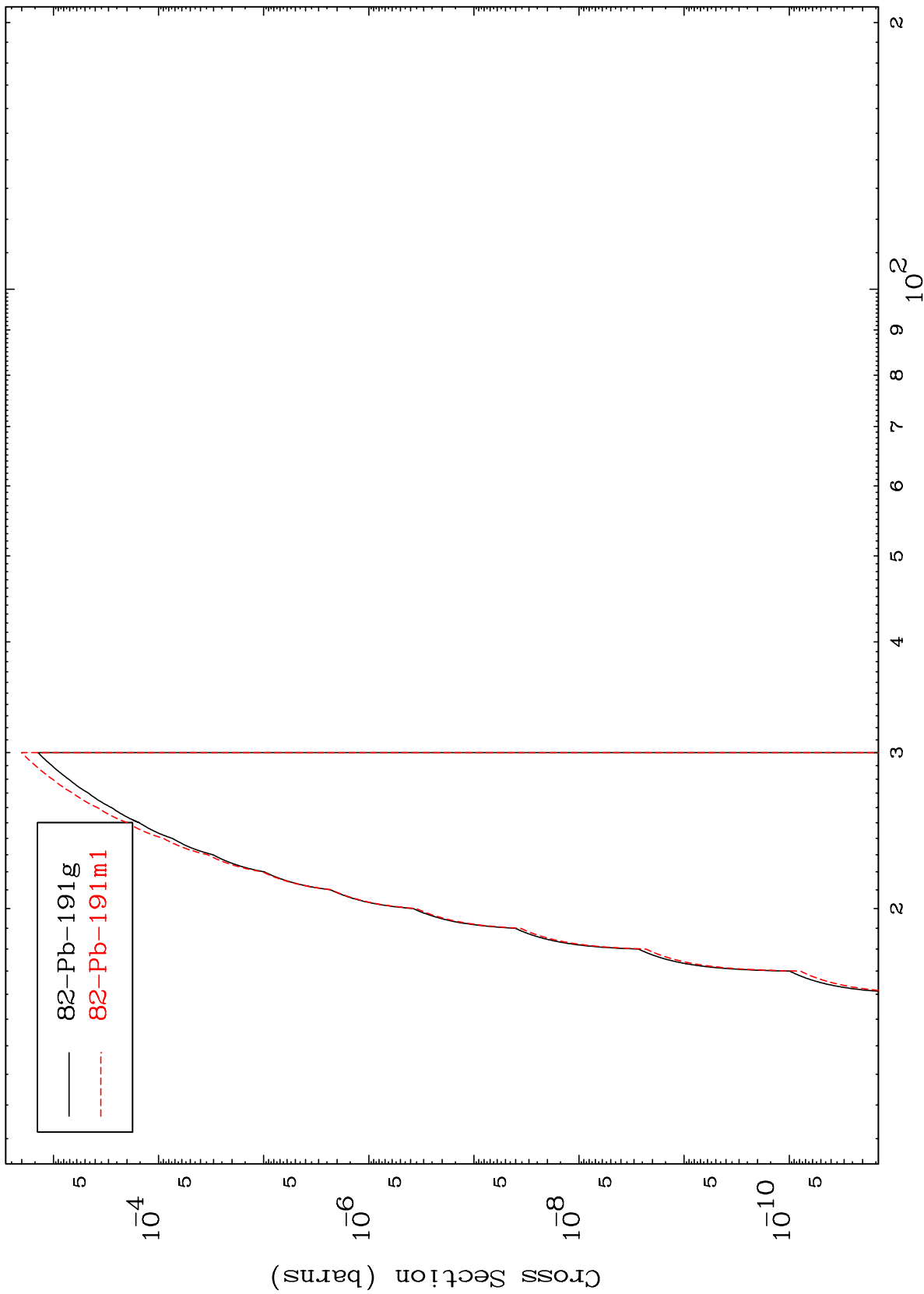
79-Au-185g
79-Au-185m6

MAT 8280

(n,n') t

83-Bi-194

Radionuclide Production Cross Section



119

Incident Energy (MeV)

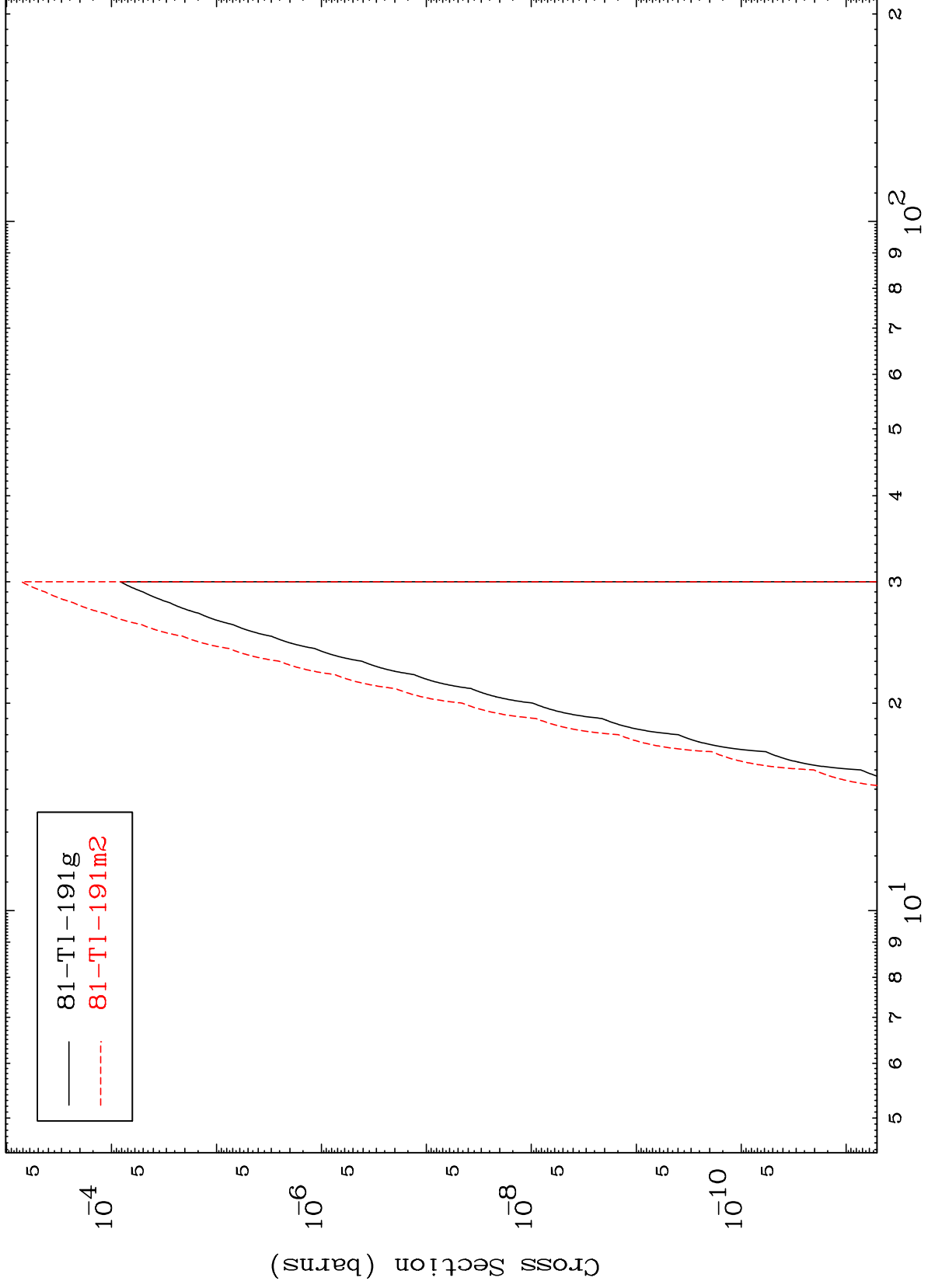
83-Bi-194

MAT 8280

(n,n') He-3

83-Bi-194

Radionuclide Production Cross Section



81-Tl-191g
81-Tl-191m2

120

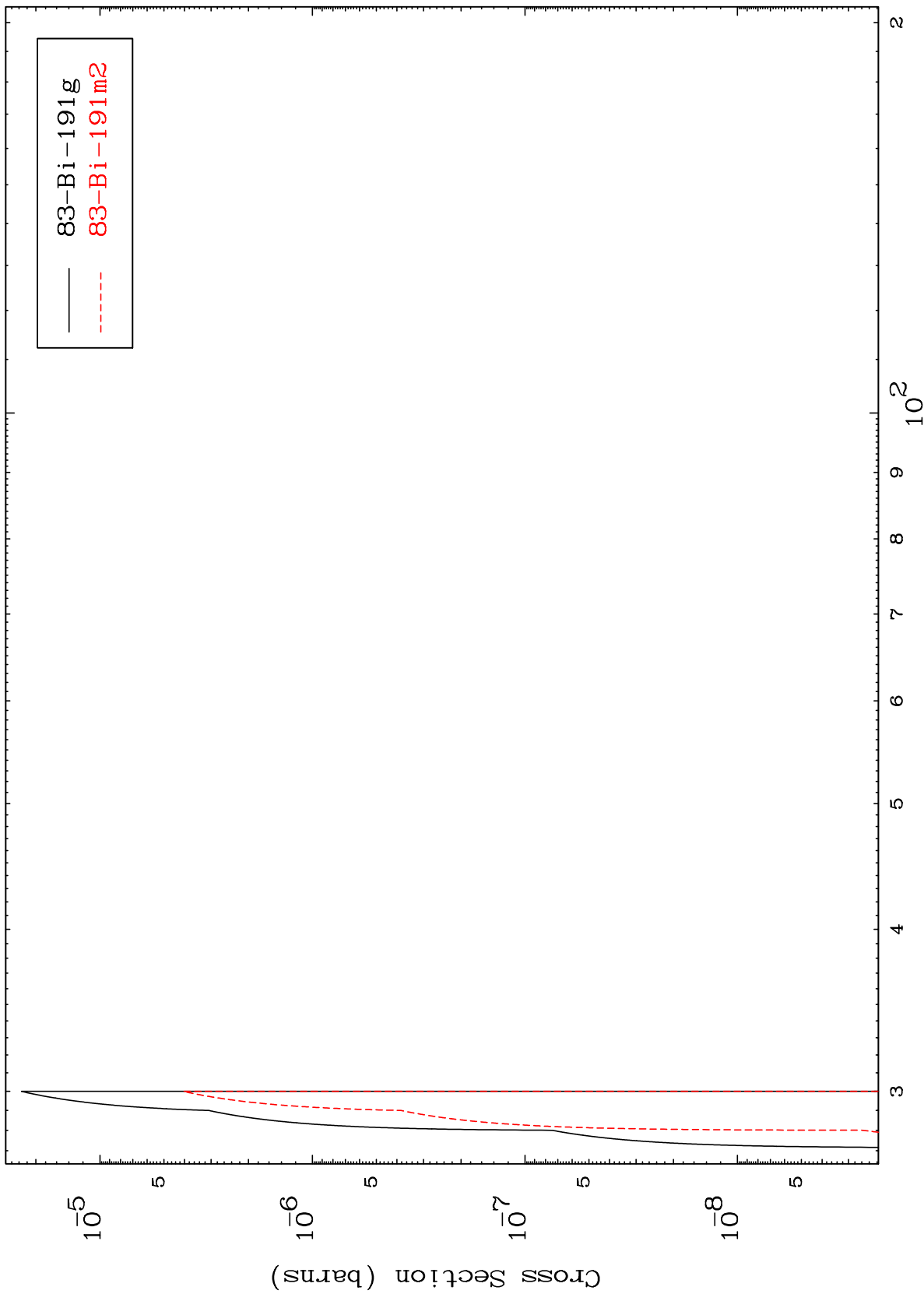
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

(n,4n)
Radionuclide Production Cross Section



121

83-Bi-194

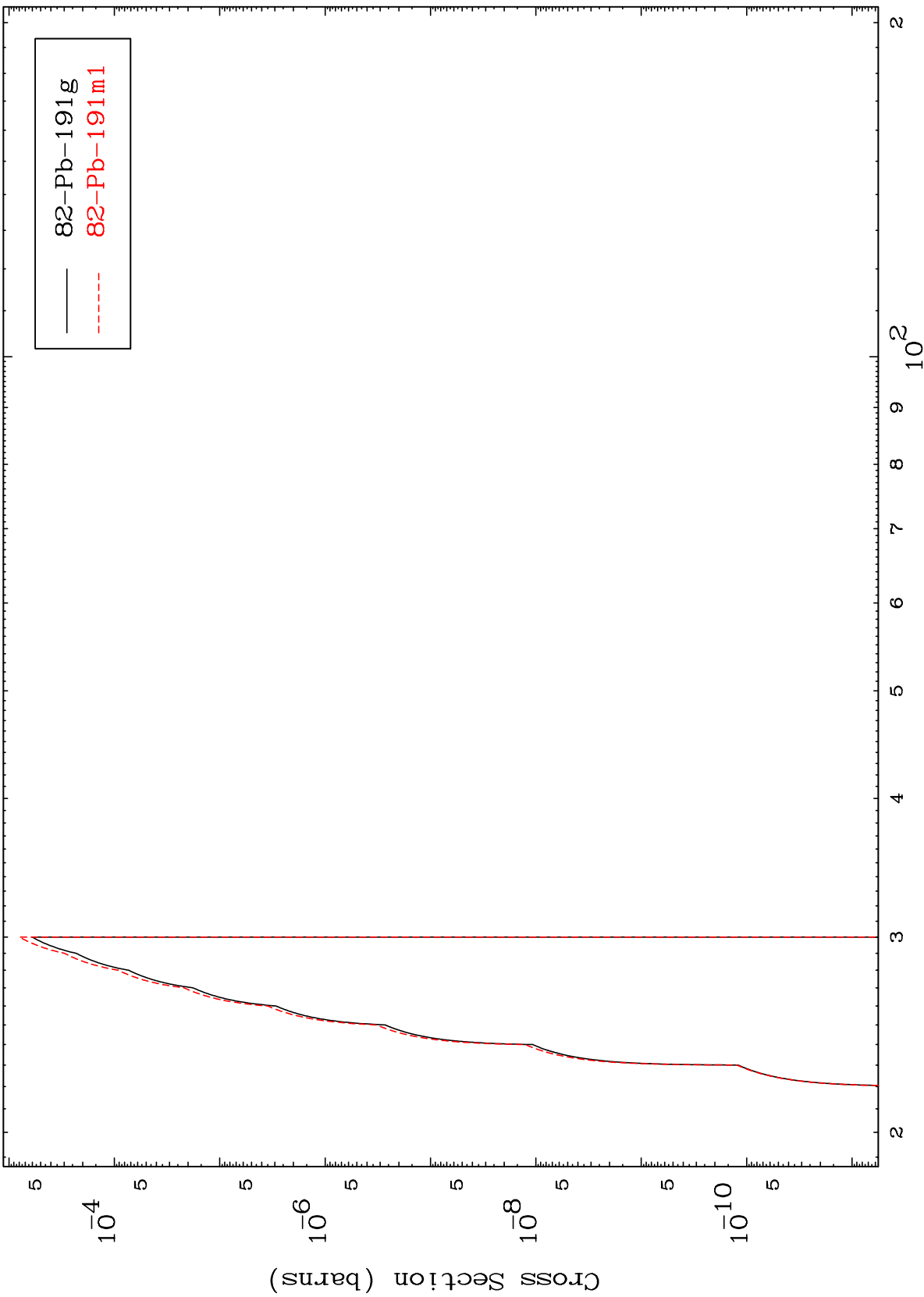
Incident Energy (MeV)

MAT 8280

(n,3n) p

83-Bi-194

Radionuclide Production Cross Section



82-Pb-191g
82-Pb-191m1

122

Incident Energy (MeV)

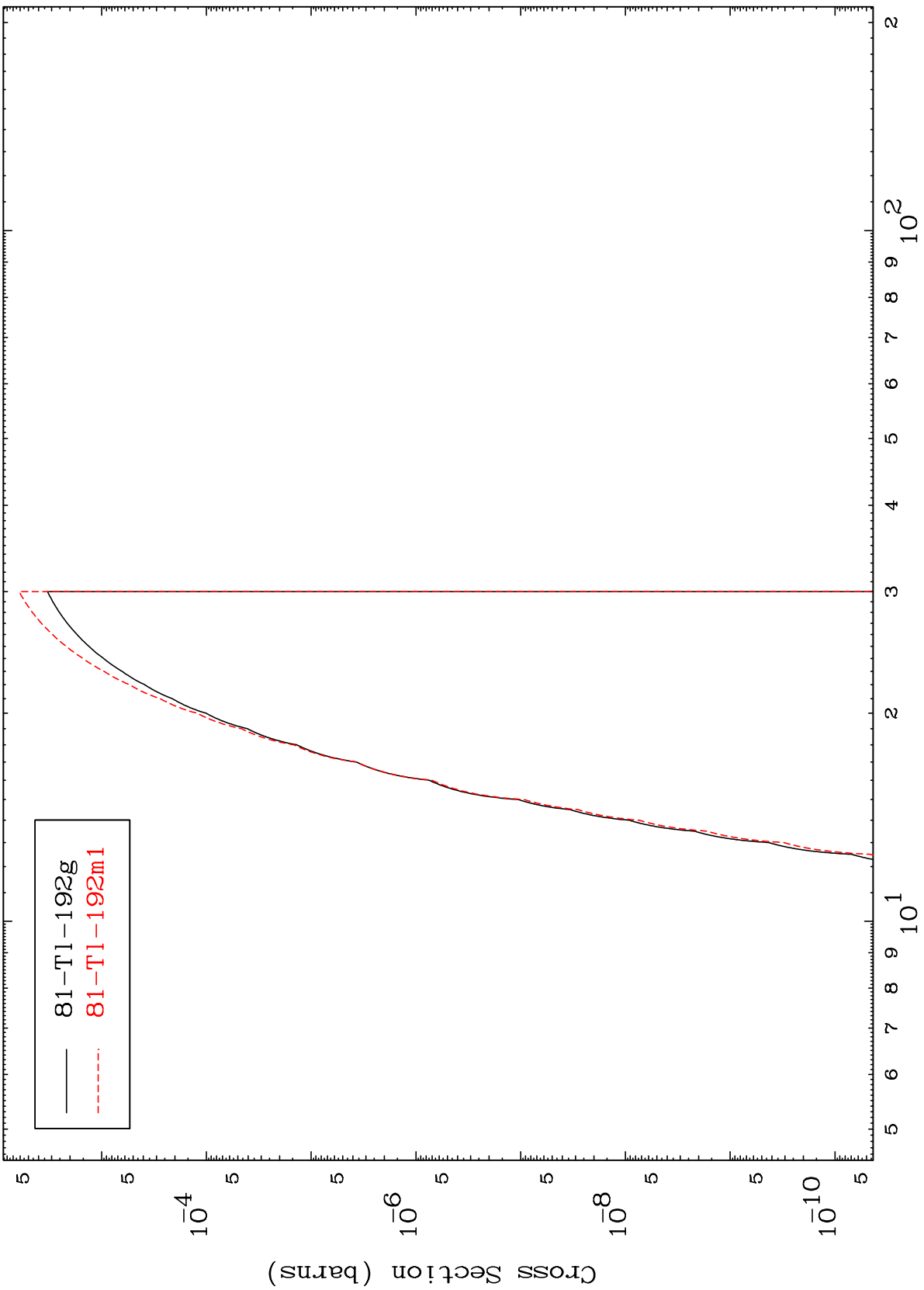
83-Bi-194

MAT 8280

(n,2n) p

83-Bi-194

Radionuclide Production Cross Section



81-Tl-192g
81-Tl-192m1

123

Incident Energy (MeV)

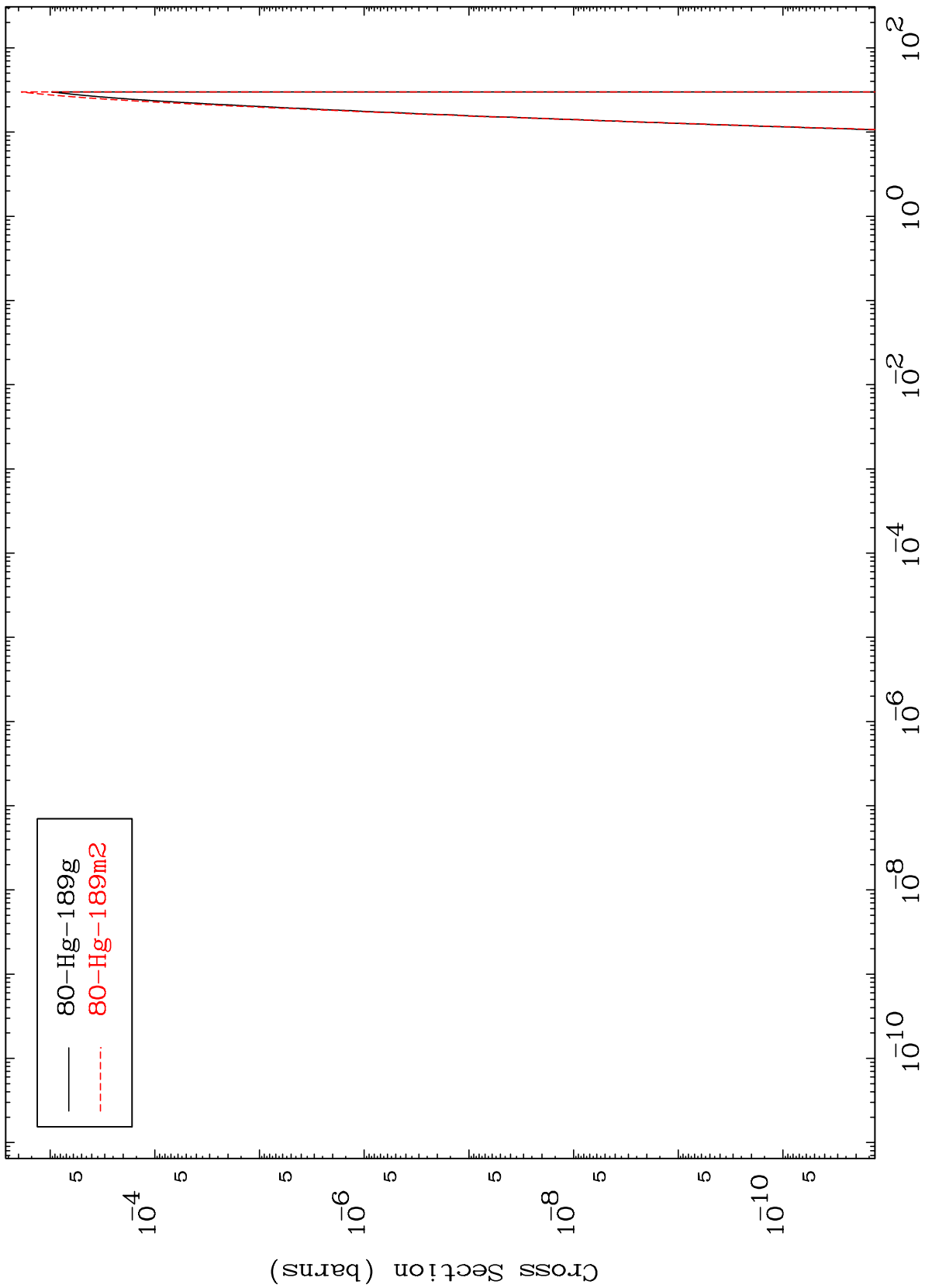
83-Bi-194

MAT 8280

(n,n') p α

83-Bi-194

Radionuclide Production Cross Section



124

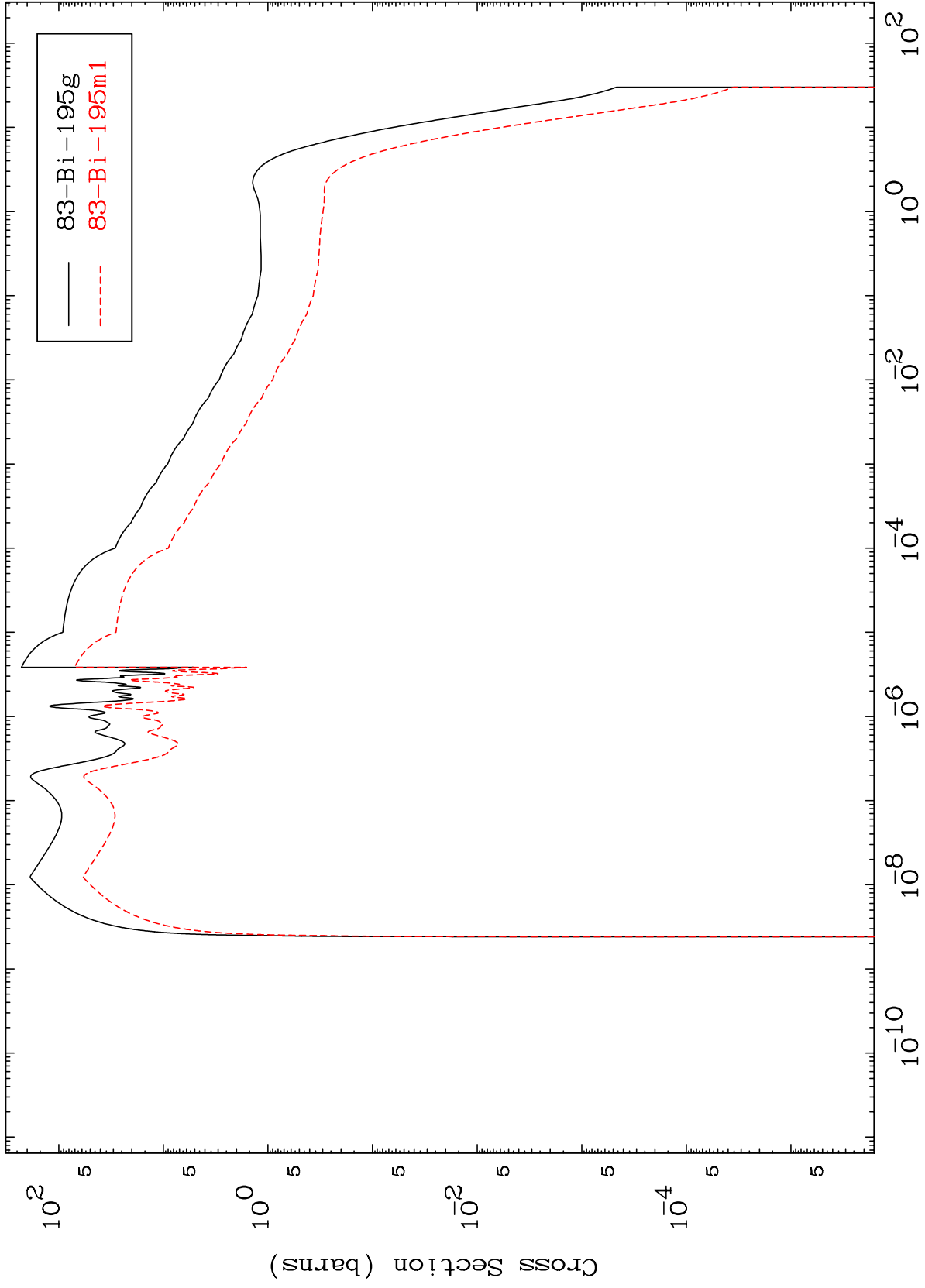
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

(n,γ)
Radionuclide Production Cross Section



125

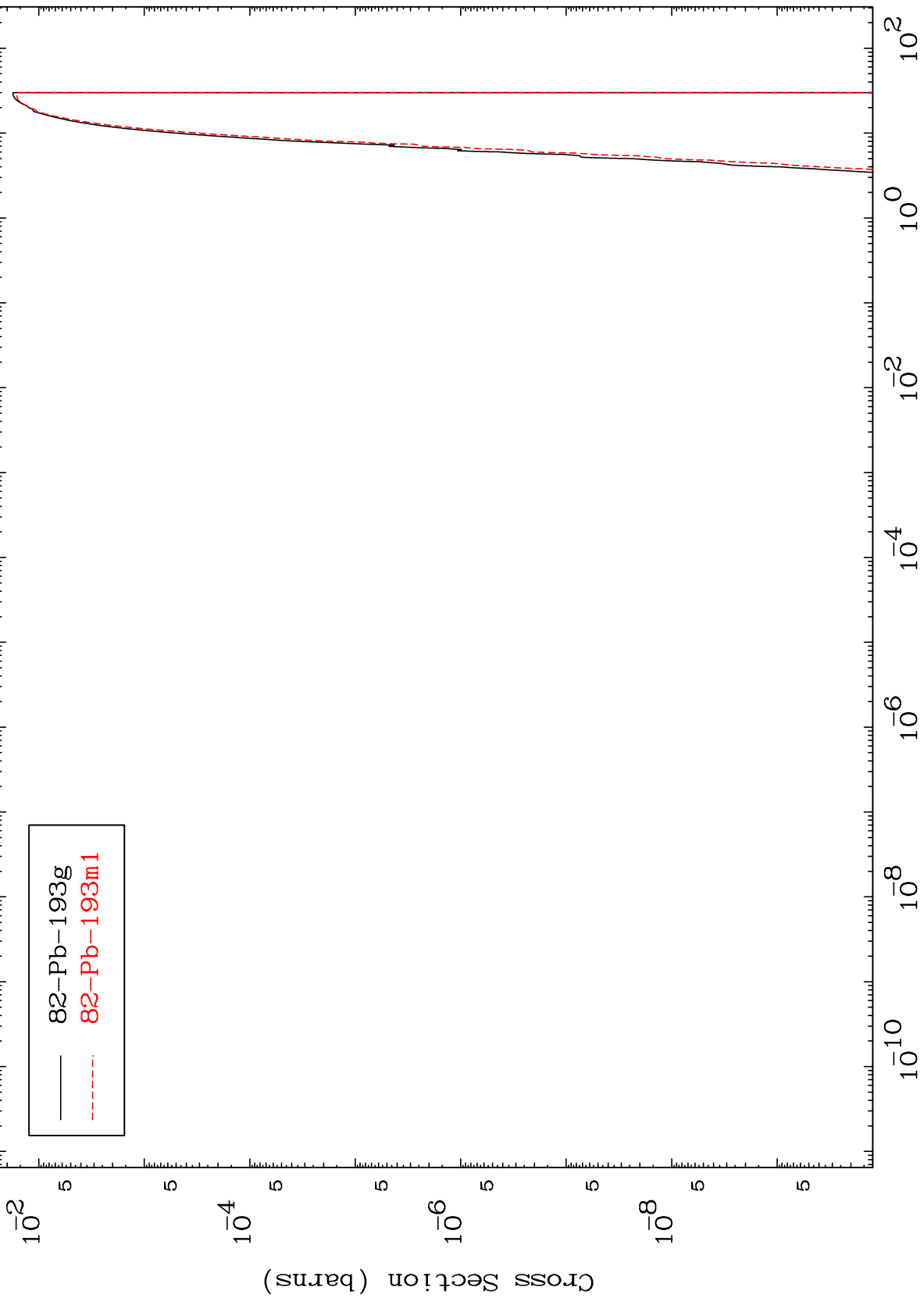
83-Bi-194

MAT 8280

(n,d)

⁸³Bi-194

Radionuclide Production Cross Section



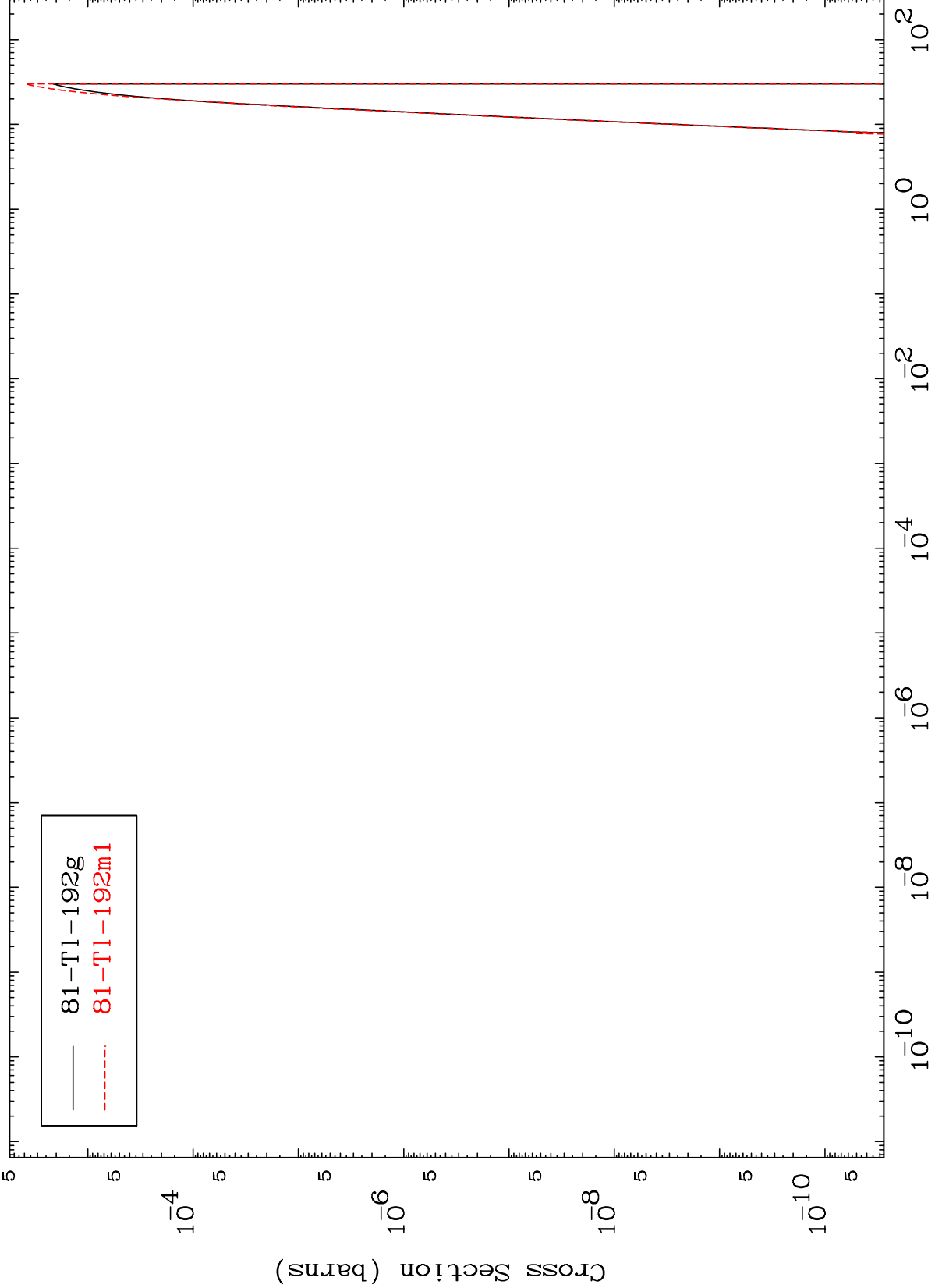
— 82-Pb-193g
- - - 82-Pb-193m1

MAT 8280

(n,He-3)

83-Bi-194

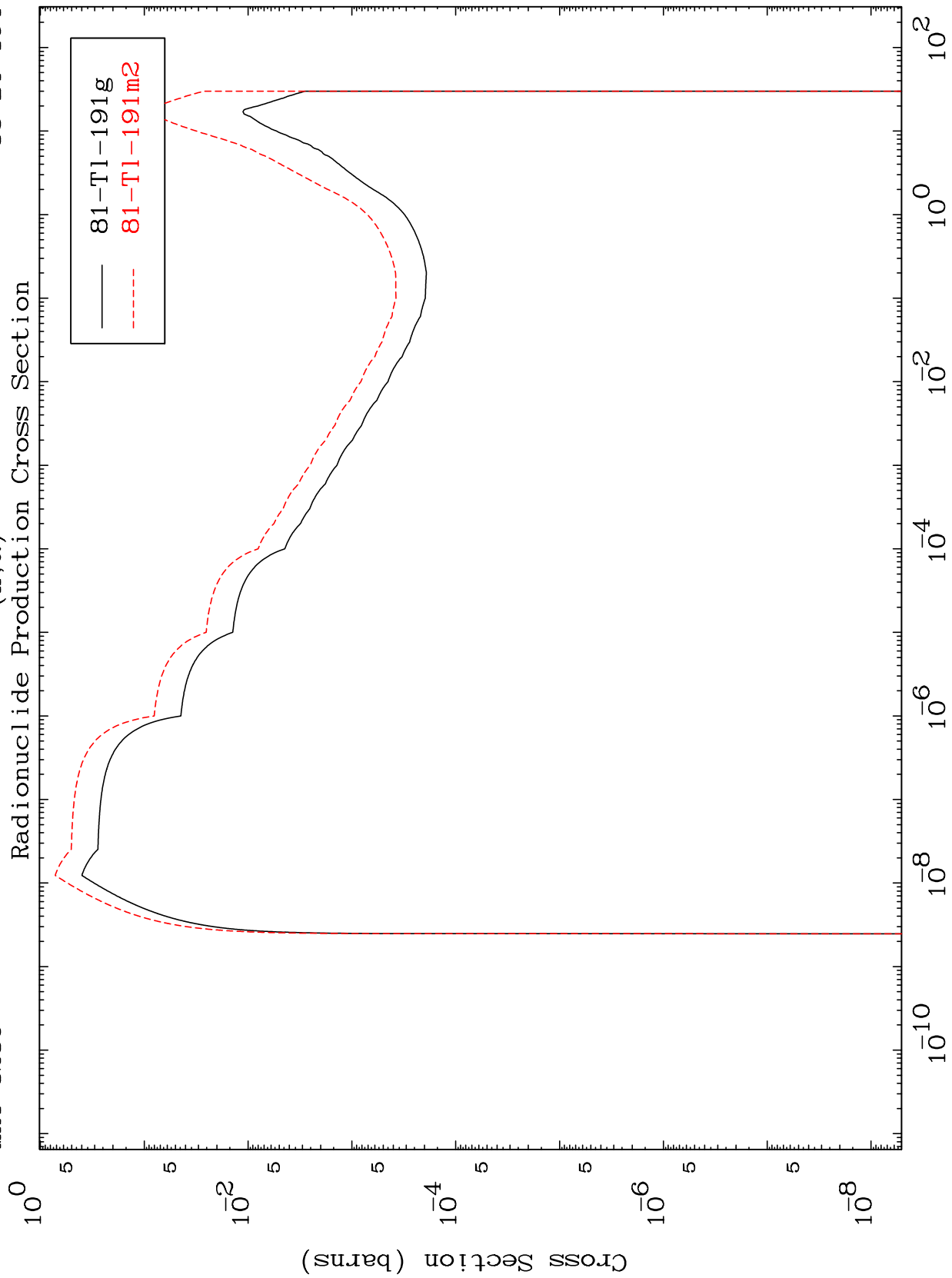
Radionuclide Production Cross Section



MAT 8280

83-Bi-194

(n, α)
Radionuclide Production Cross Section



128

83-Bi-194

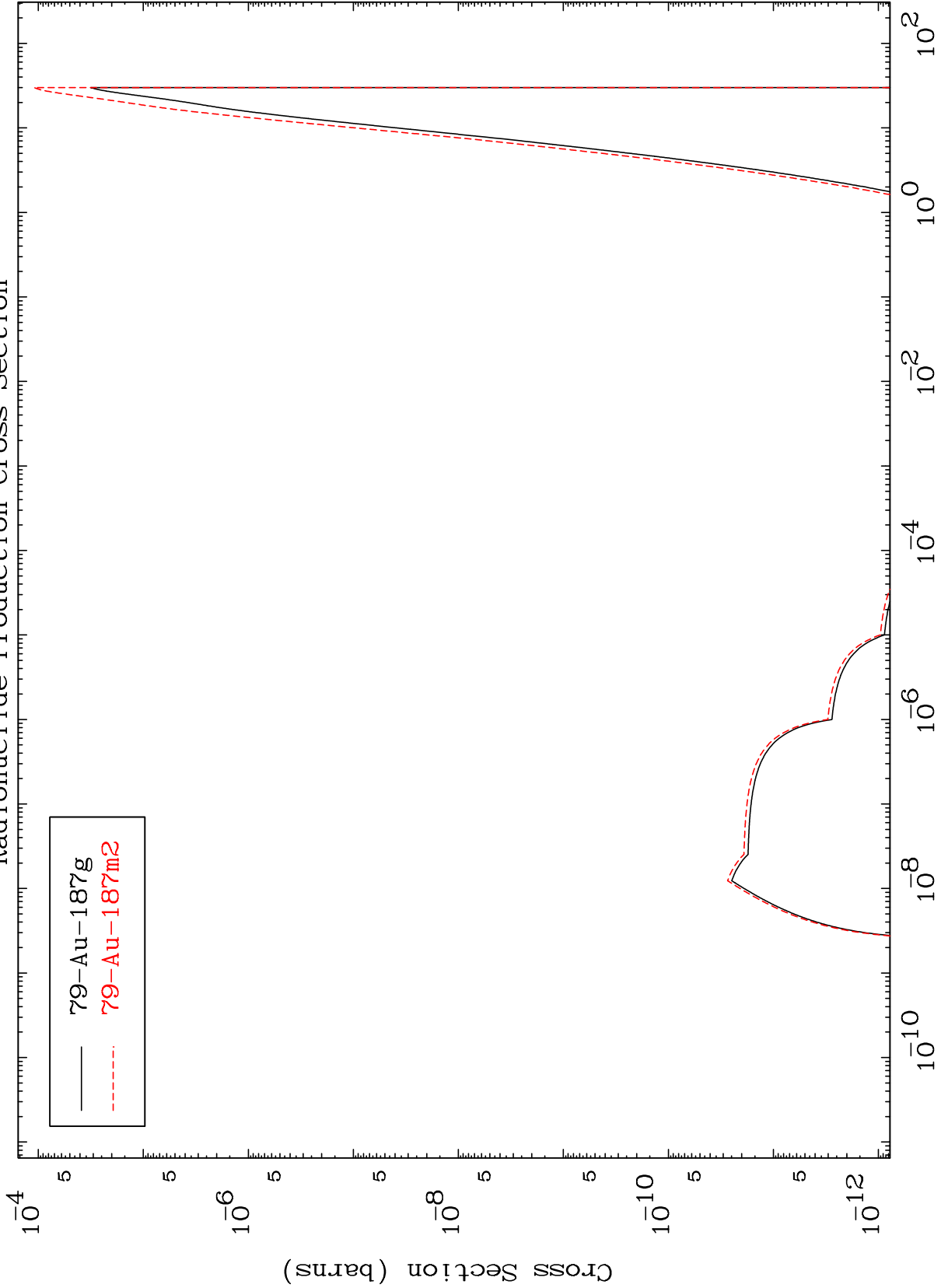
Incident Energy (MeV)

MAT 8280

(n,2 α)

83-Bi-194

Radionuclide Production Cross Section

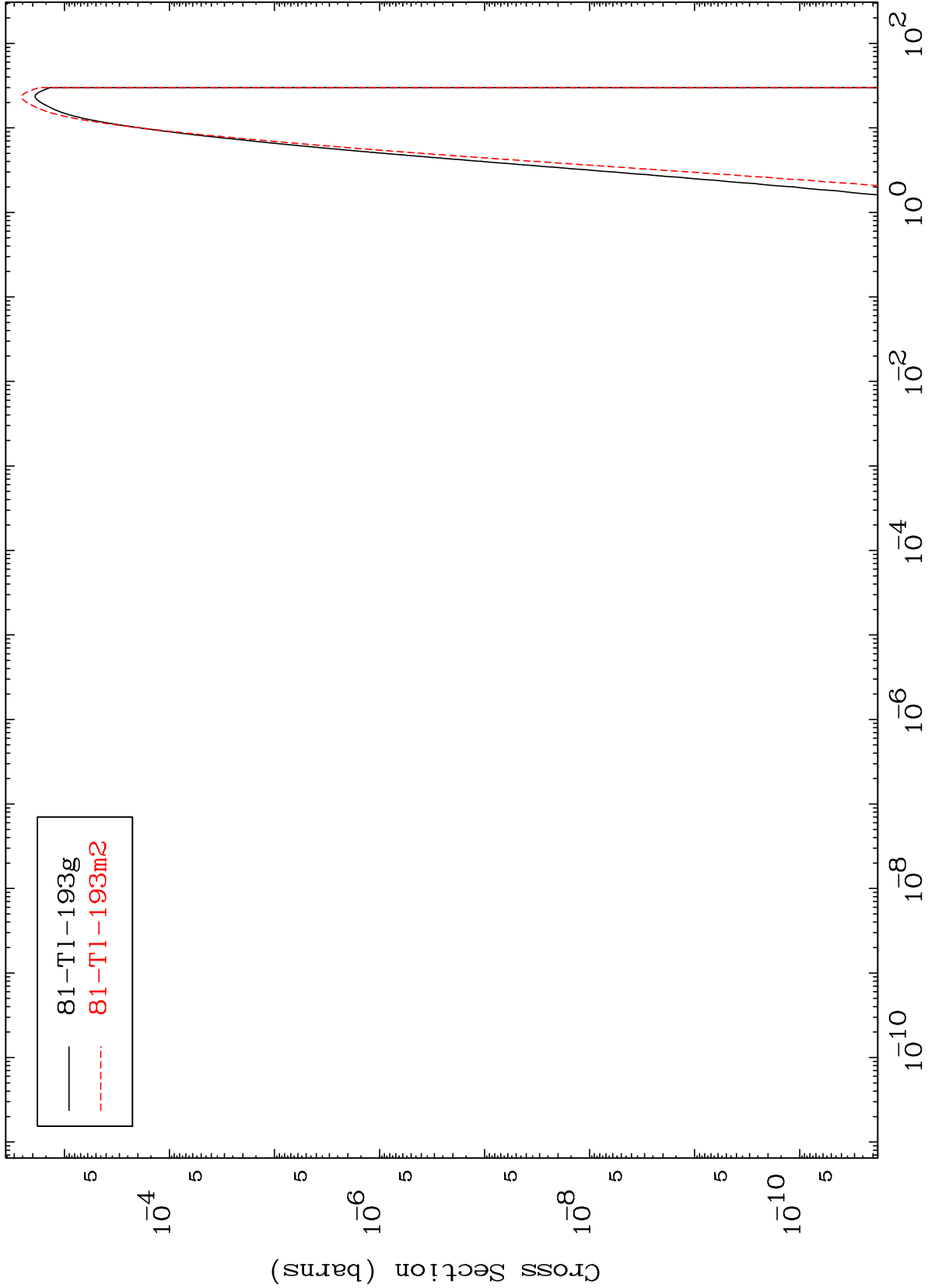
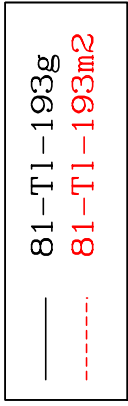


MAT 8280

(n,2p)

83-Bi-194

Radionuclide Production Cross Section



130

Incident Energy (MeV)

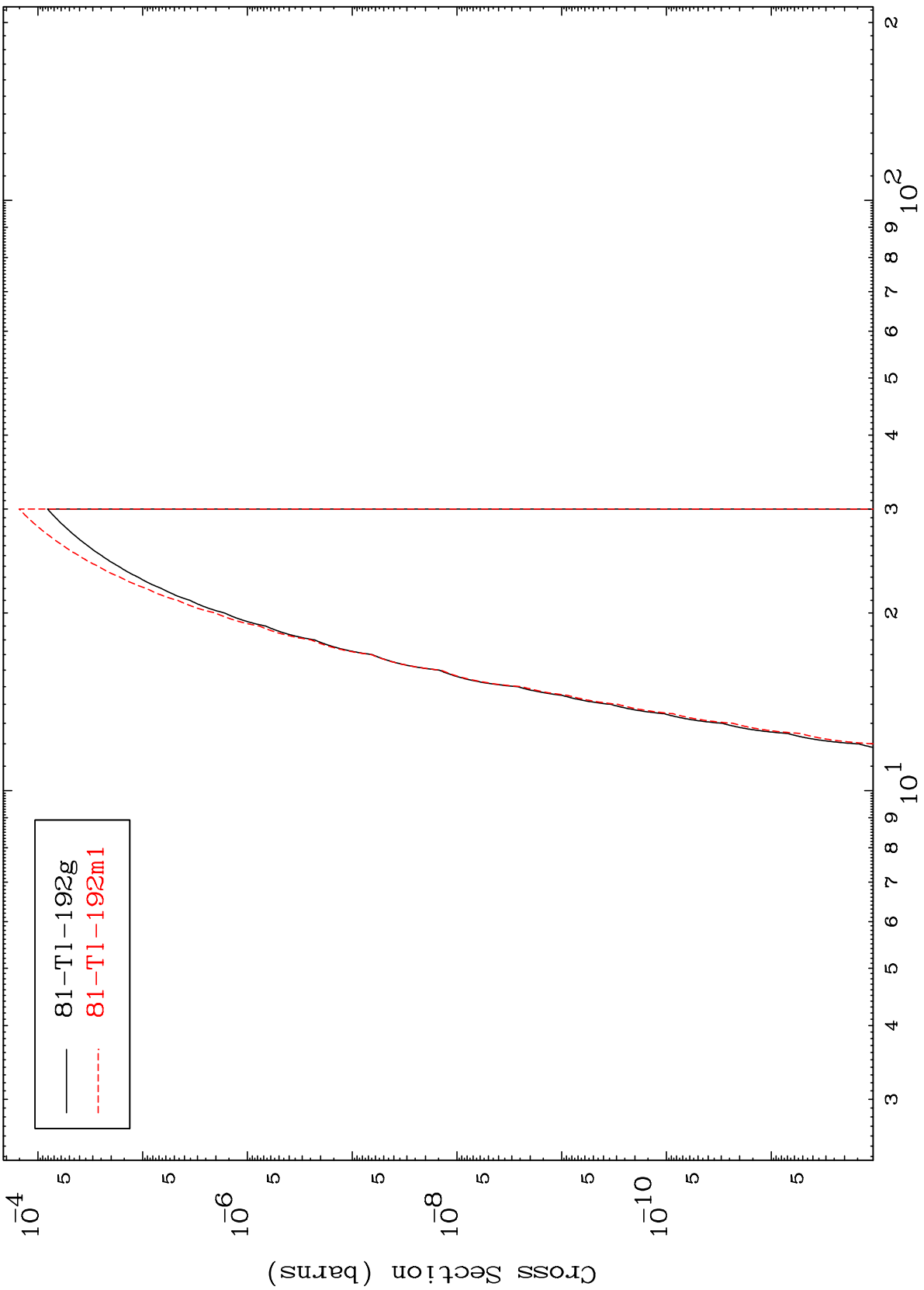
83-Bi-194

MAT 8280

(n,p) d

83-Bi-194

Radionuclide Production Cross Section



131

Incident Energy (MeV)

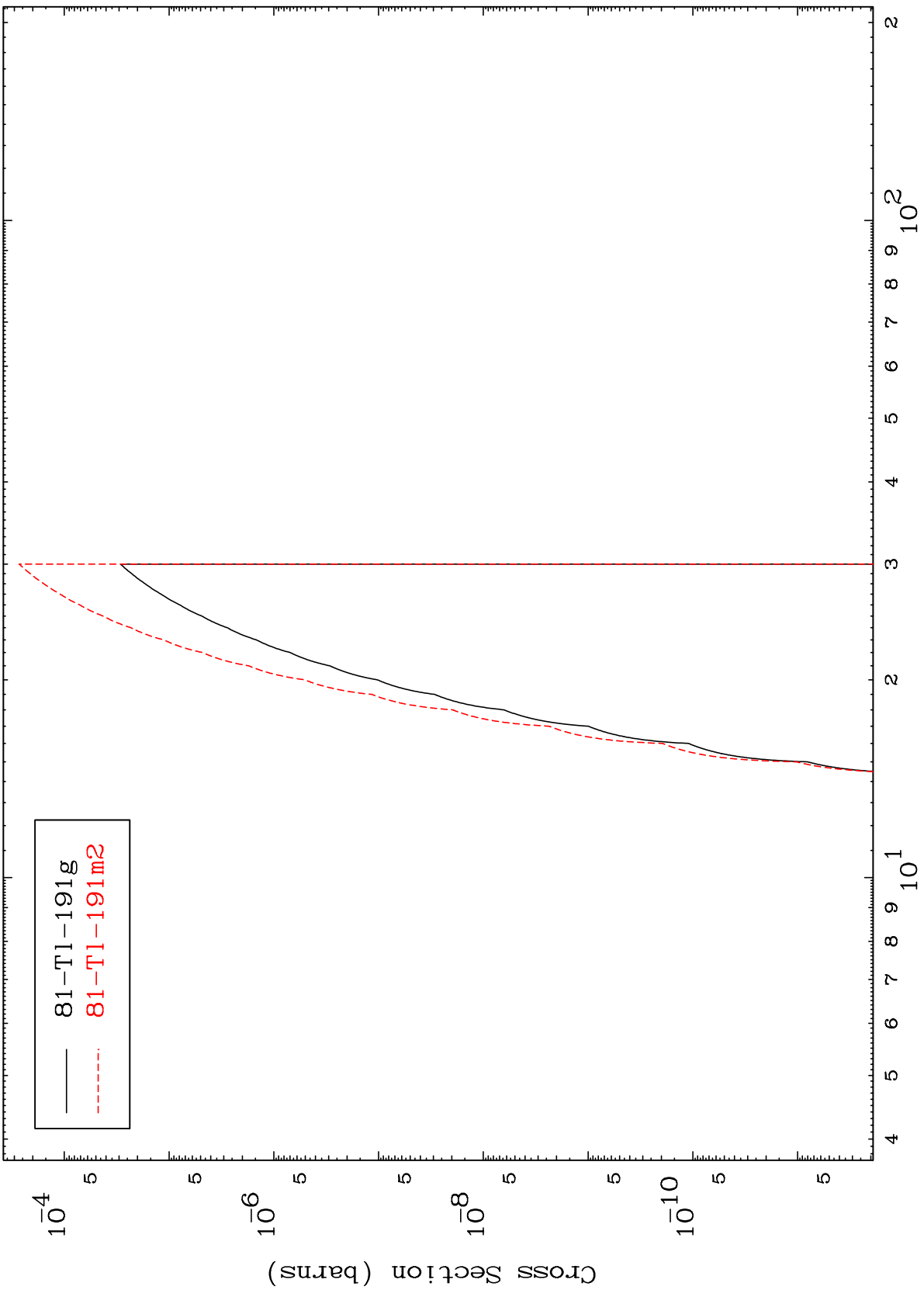
83-Bi-194

MAT 8280

(n,p) t

83-Bi-194

Radionuclide Production Cross Section



132

Incident Energy (MeV)

83-Bi-194

MAT 8280

(n,d) α

83-Bi-194

Radionuclide Production Cross Section

