

Program EVALPLOT
(Version 2015-2)

by

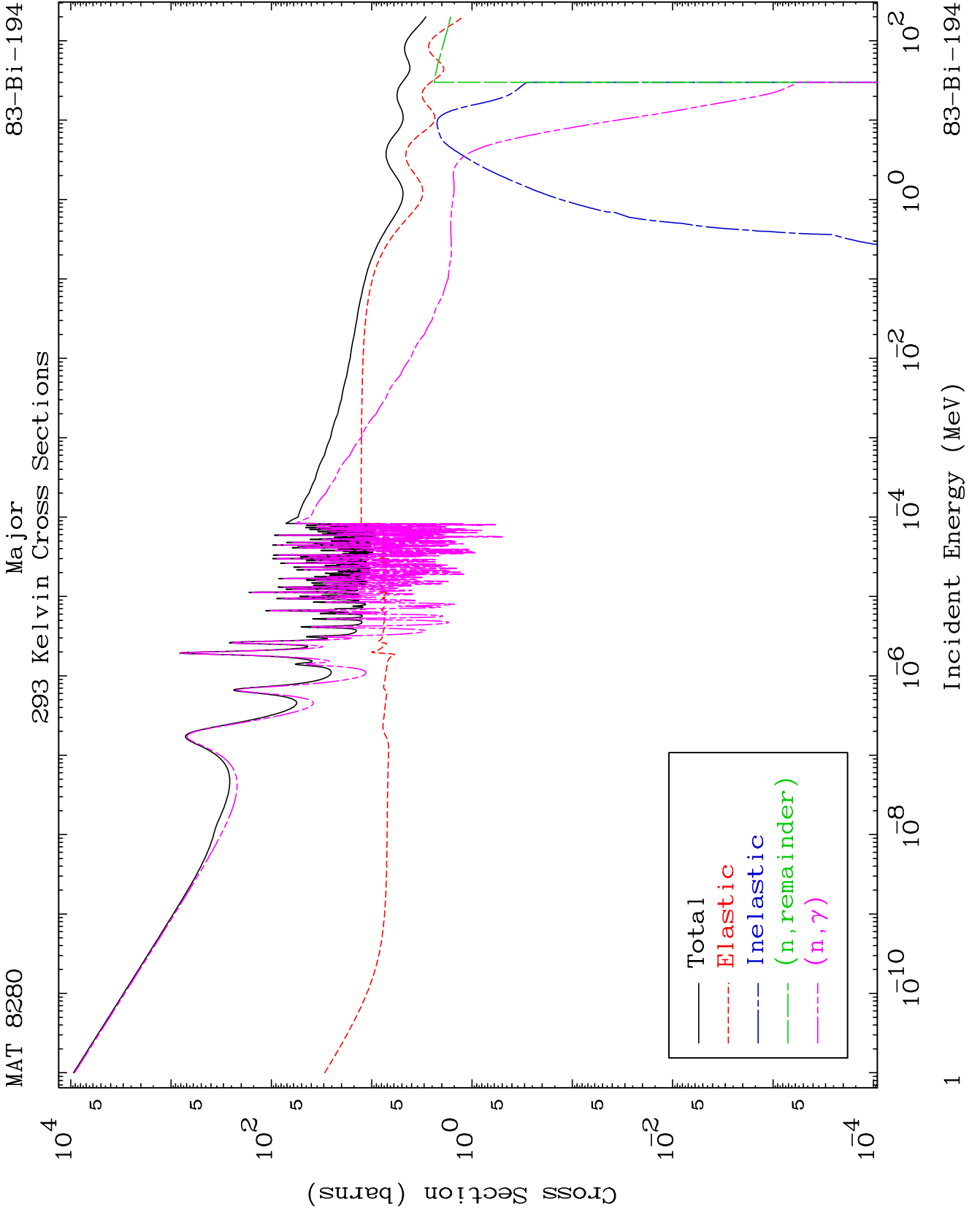
Dermott E. Cullen
(Present Contact Information)

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

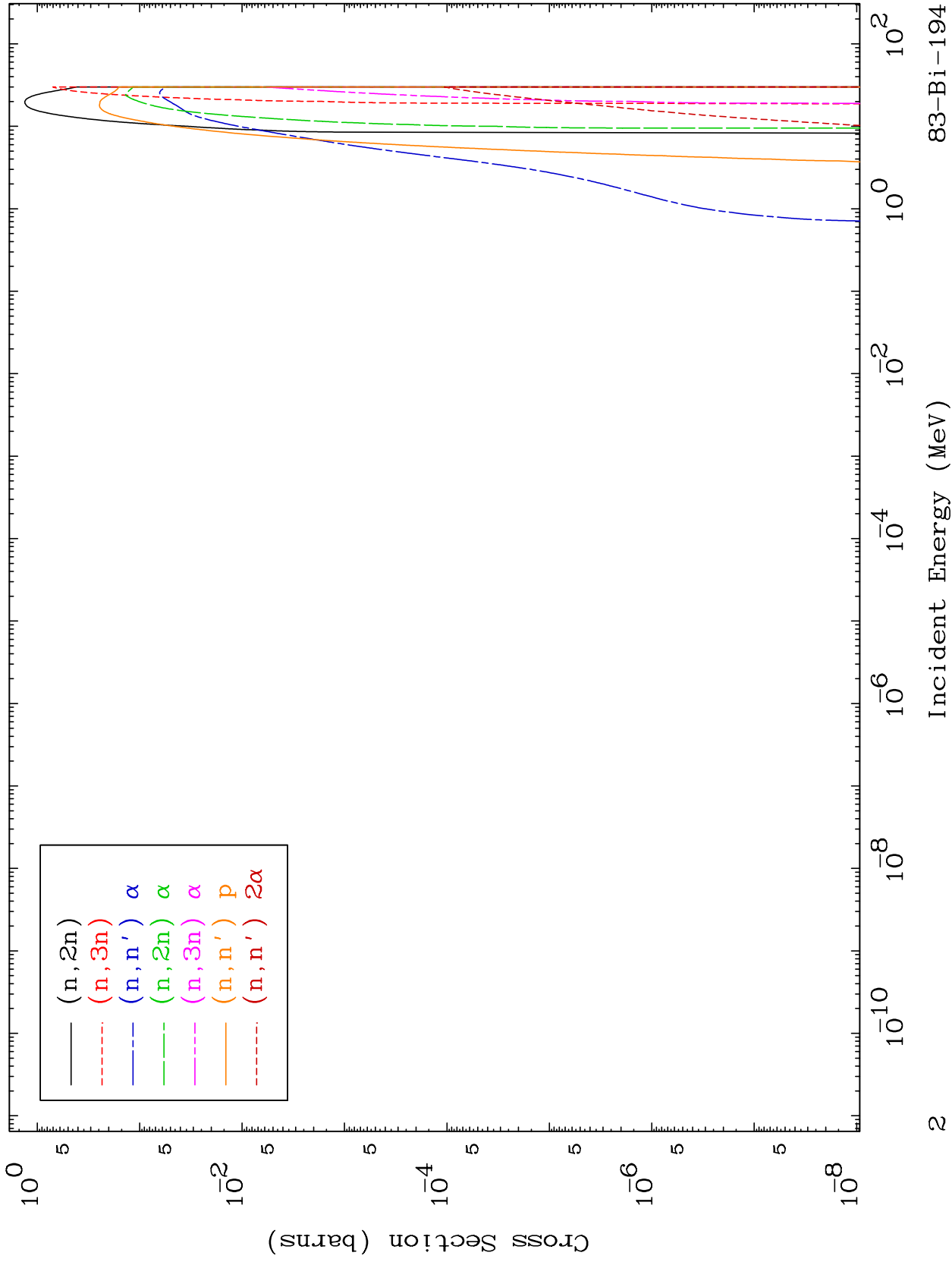
Press Mouse Button to Start



MAT 8280

Neutron Production
293 Kelvin Cross Sections

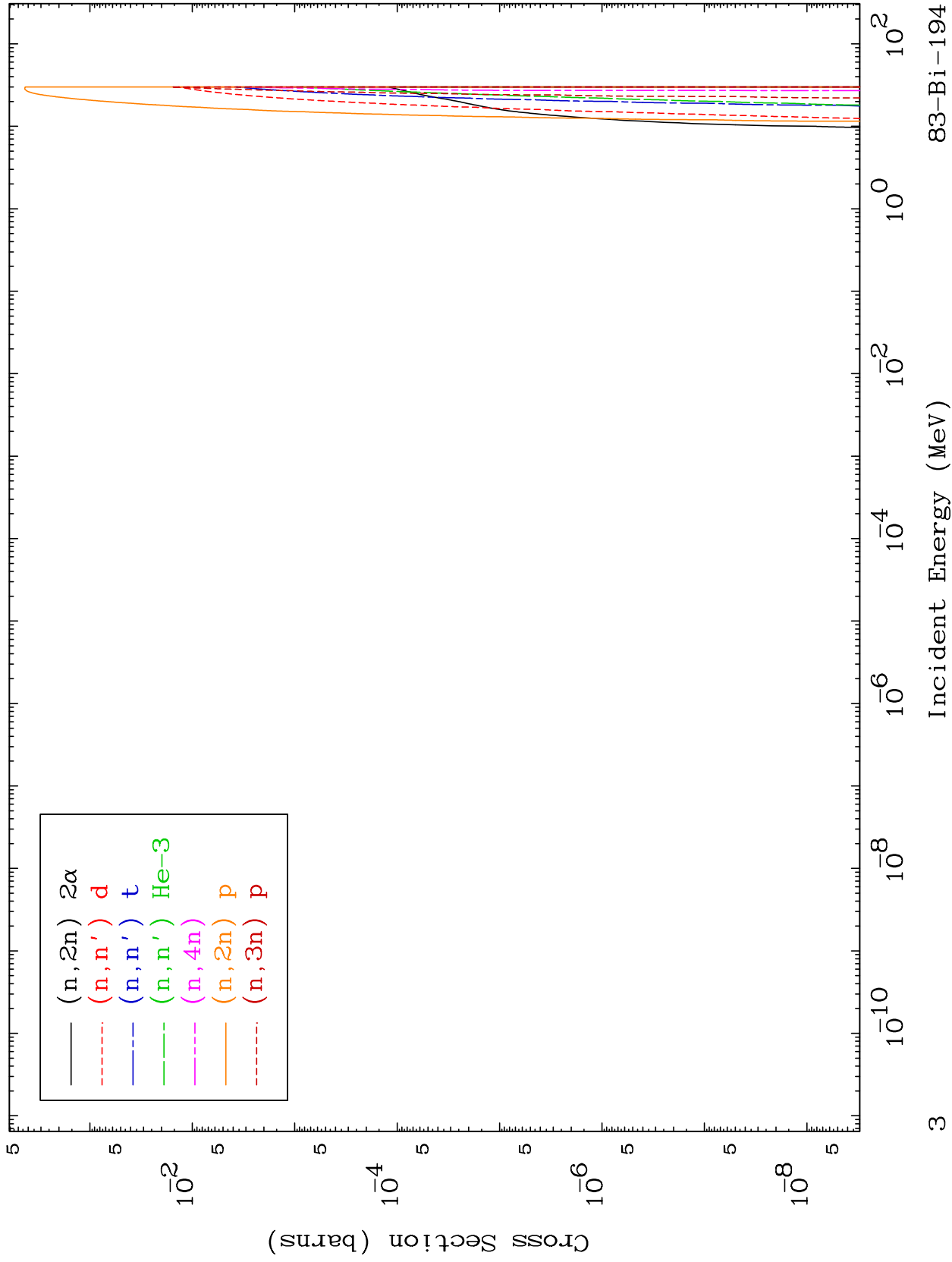
83-Bi-194



MAT 8280

Neutron Production
293 Kelvin Cross Sections

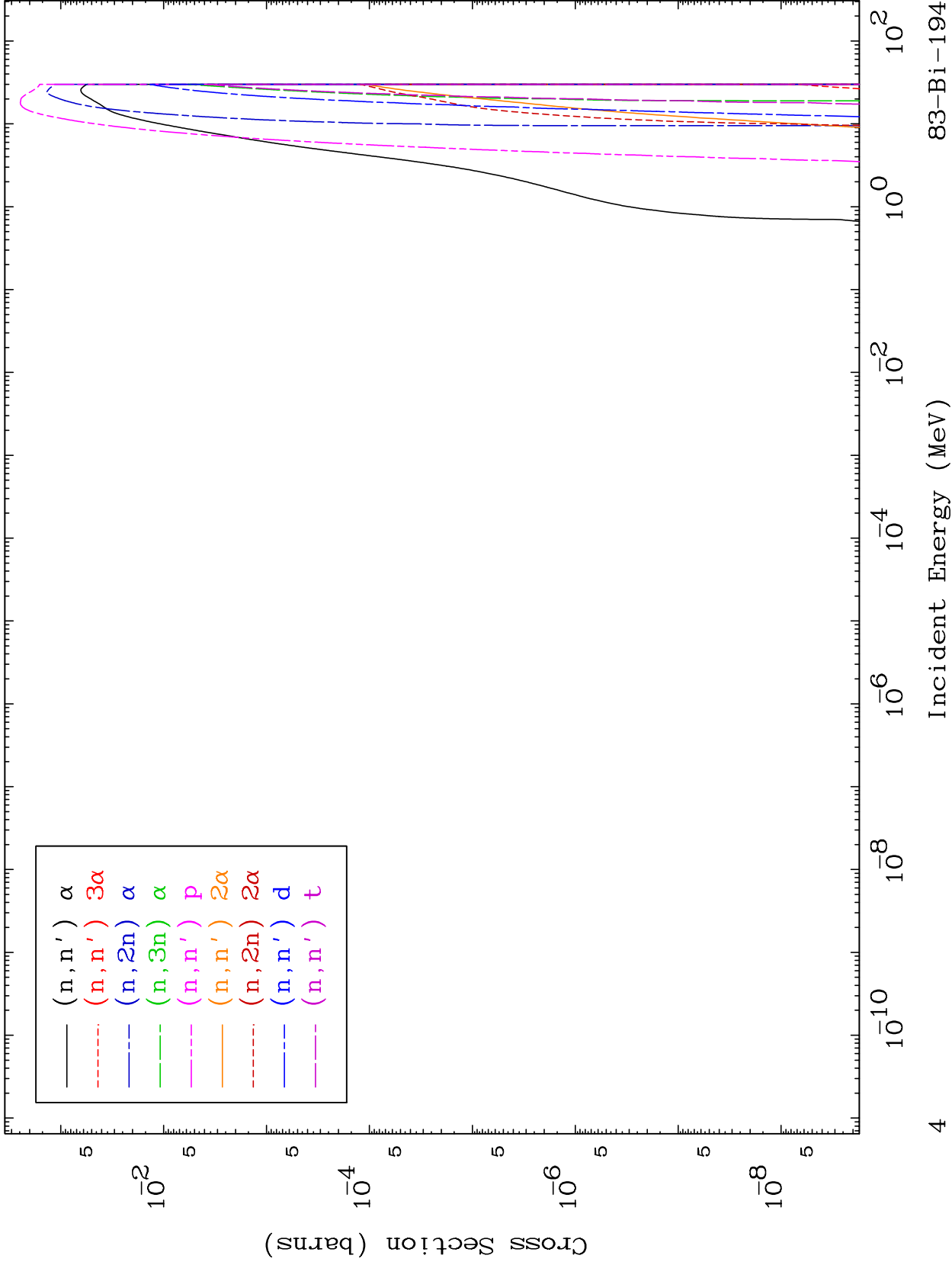
83-Bi-194

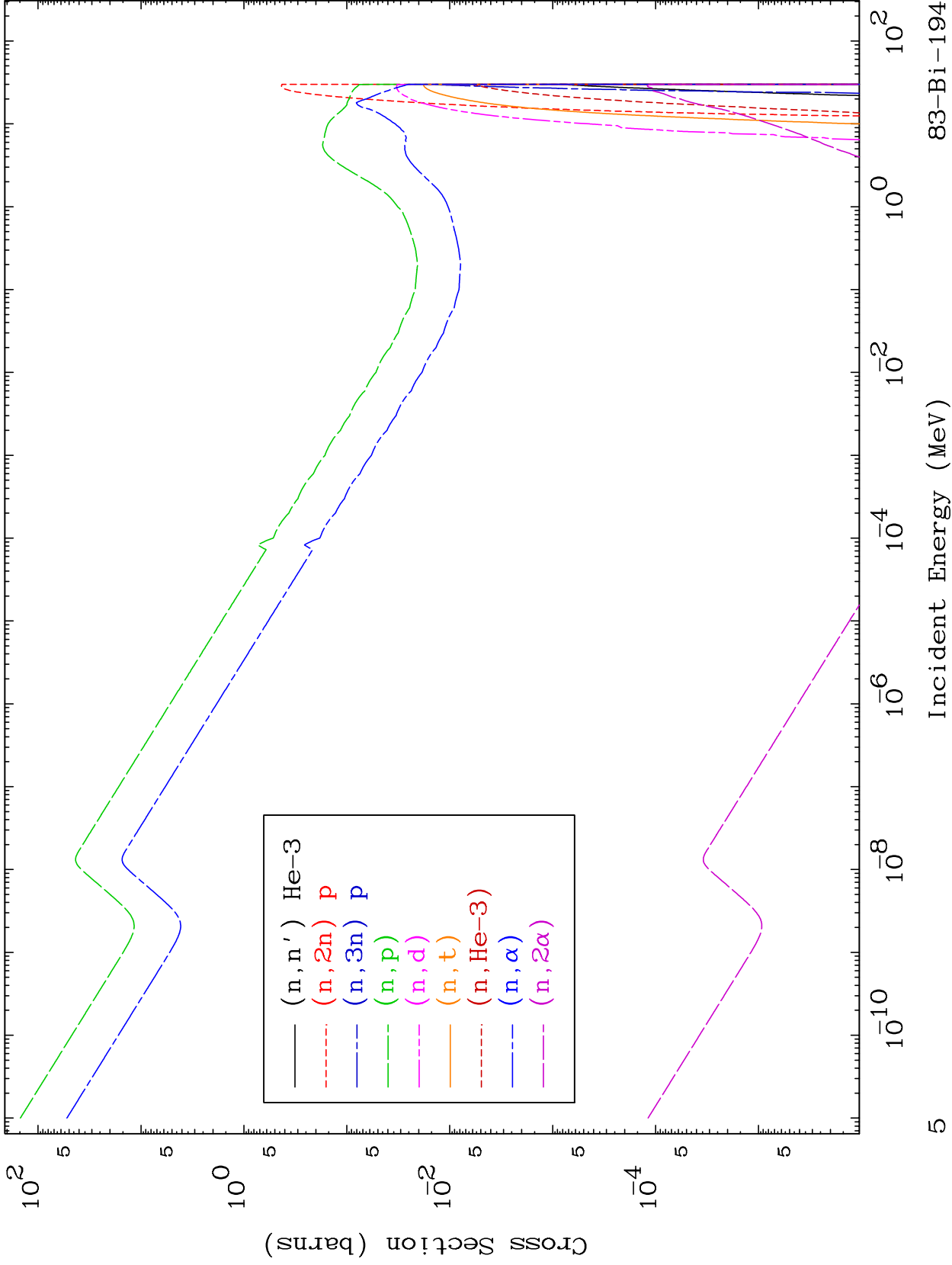


MAT 8280

Charged Particle
293 Kelvin Cross Sections

83-Bi-194

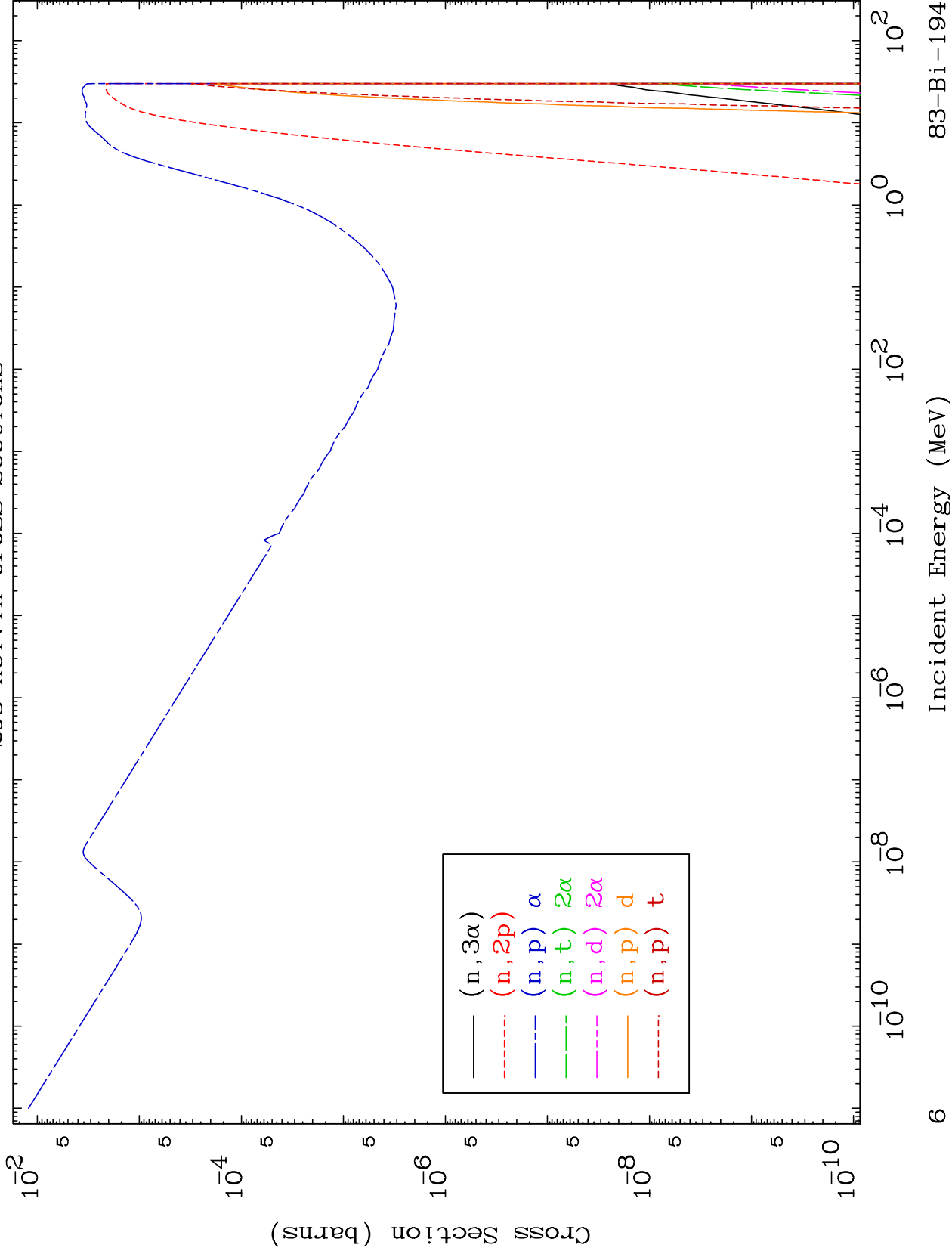




MAT 8280

Charged Particle
293 Kelvin Cross Sections

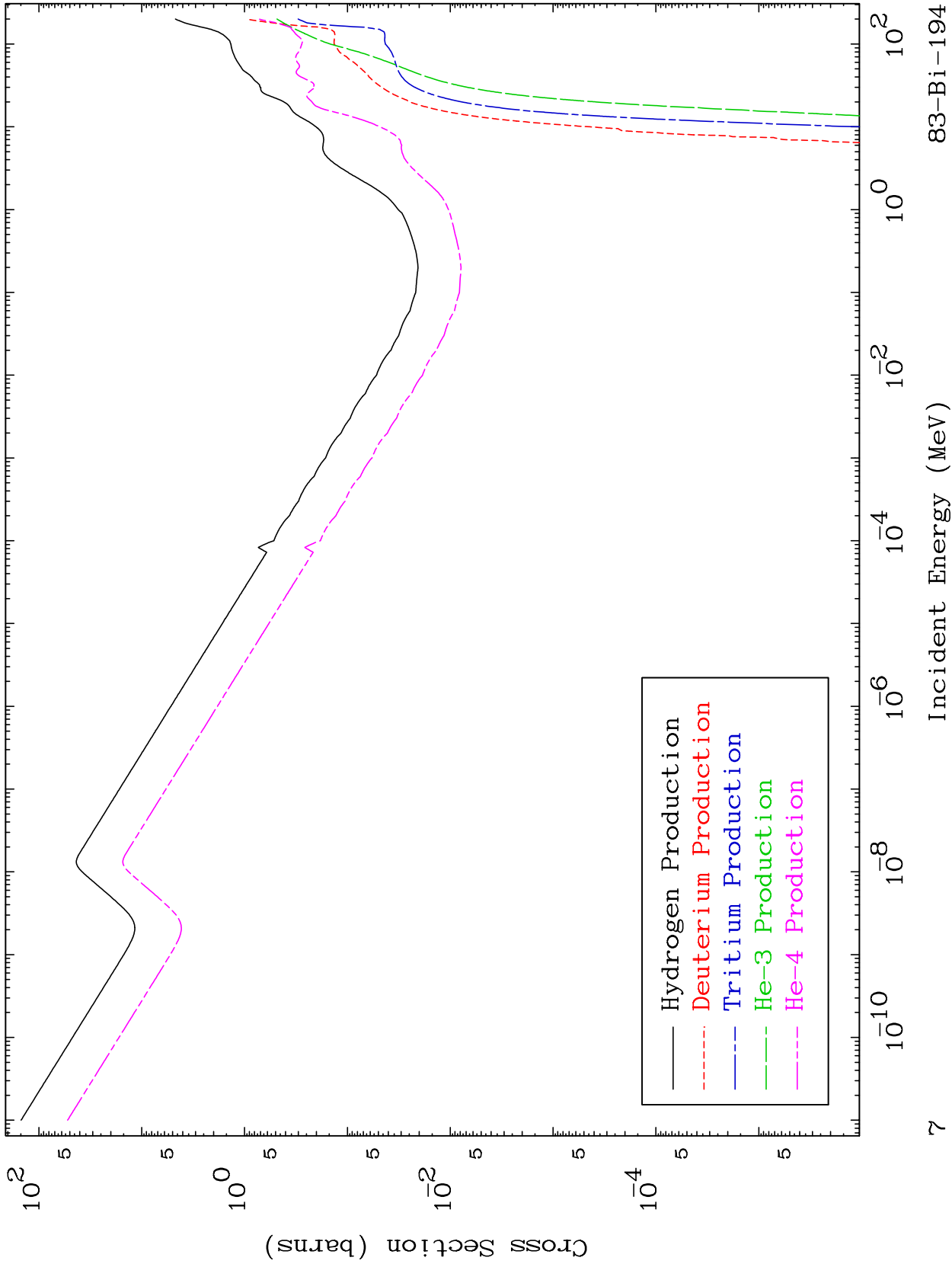
83-Bi-194



MAT 8280

Particle Production
293 Kelvin Cross Sections

83-Bi-194

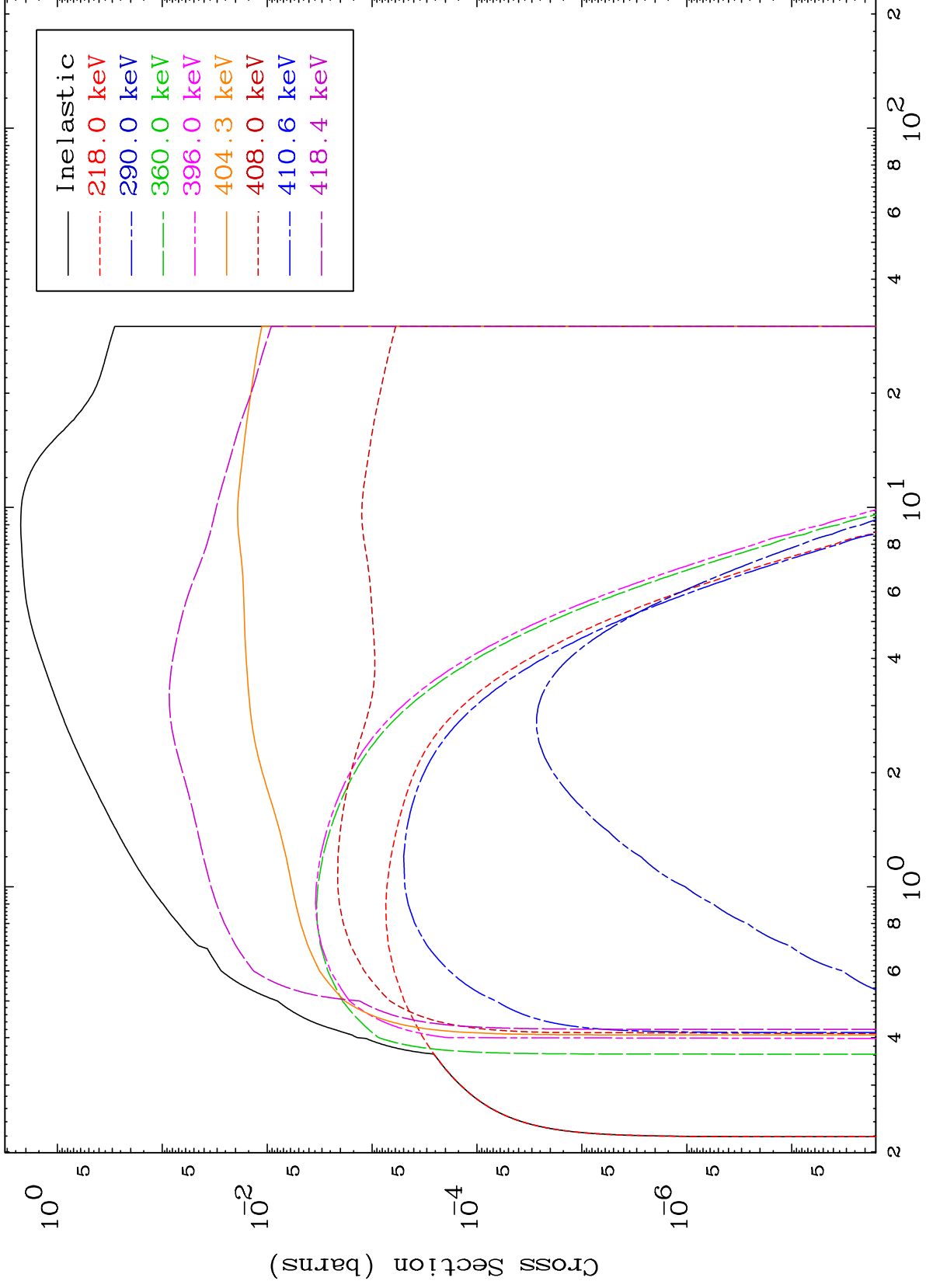


MAT 8280

(n,n') Level

83-Bi-194

293 Kelvin Cross Sections



8

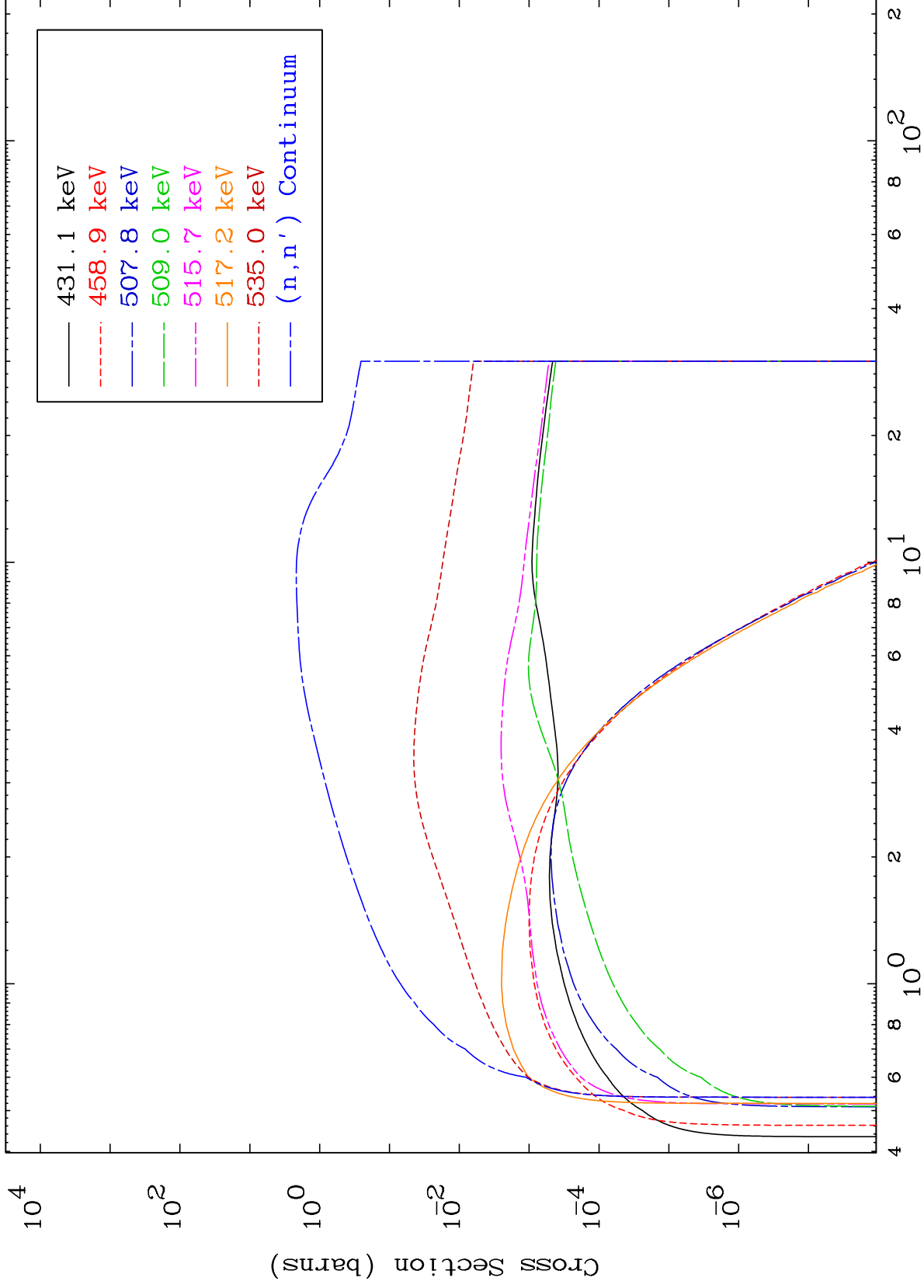
Incident Energy (MeV)

83-Bi-194

MAT 8280

(n,n') Level
293 Kelvin Cross Sections

83-Bi-194



9

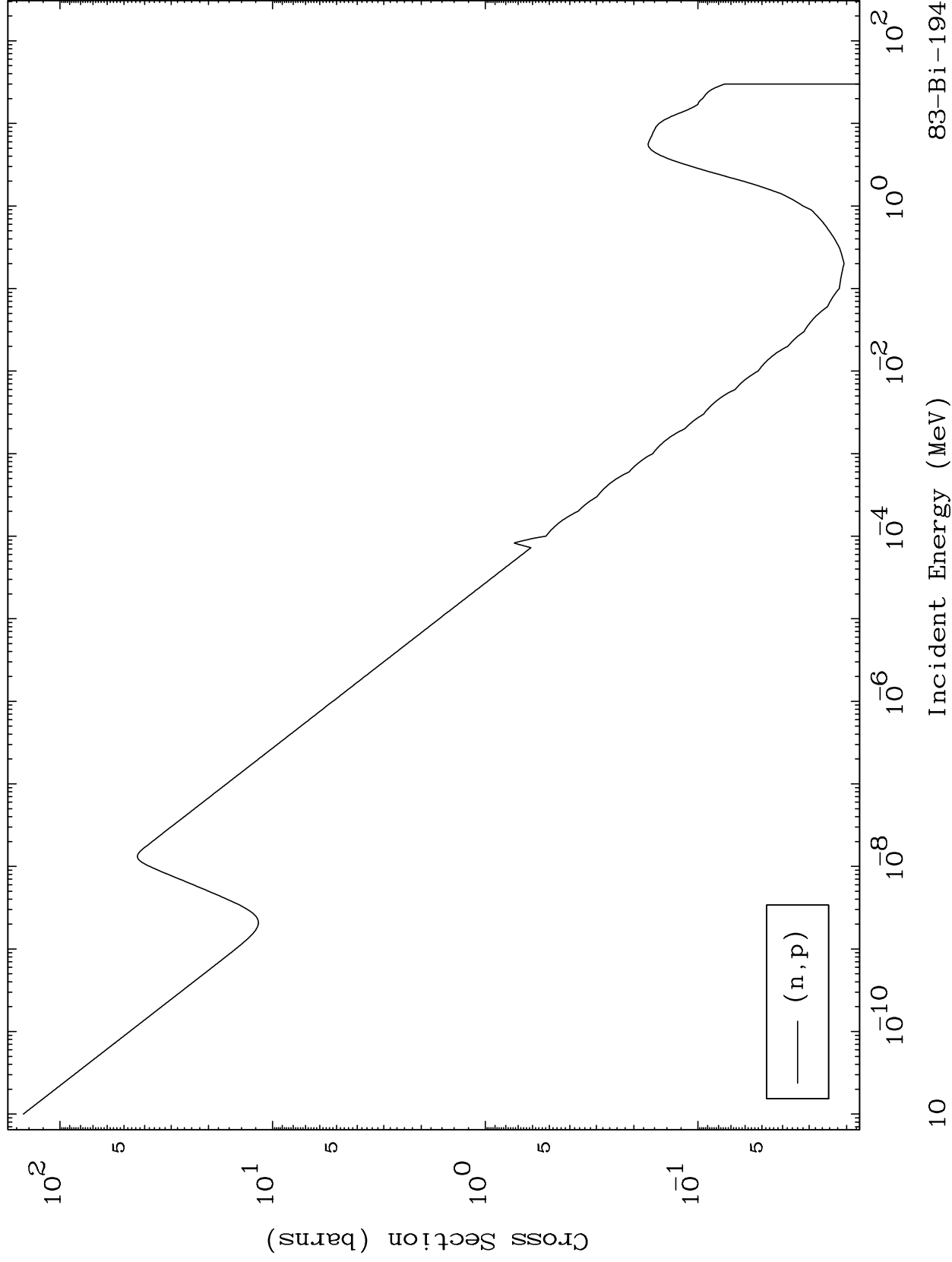
Incident Energy (MeV)

83-Bi-194

MAT 8280

(n,p) Levels
293 Kelvin Cross Sections

83-Bi-194

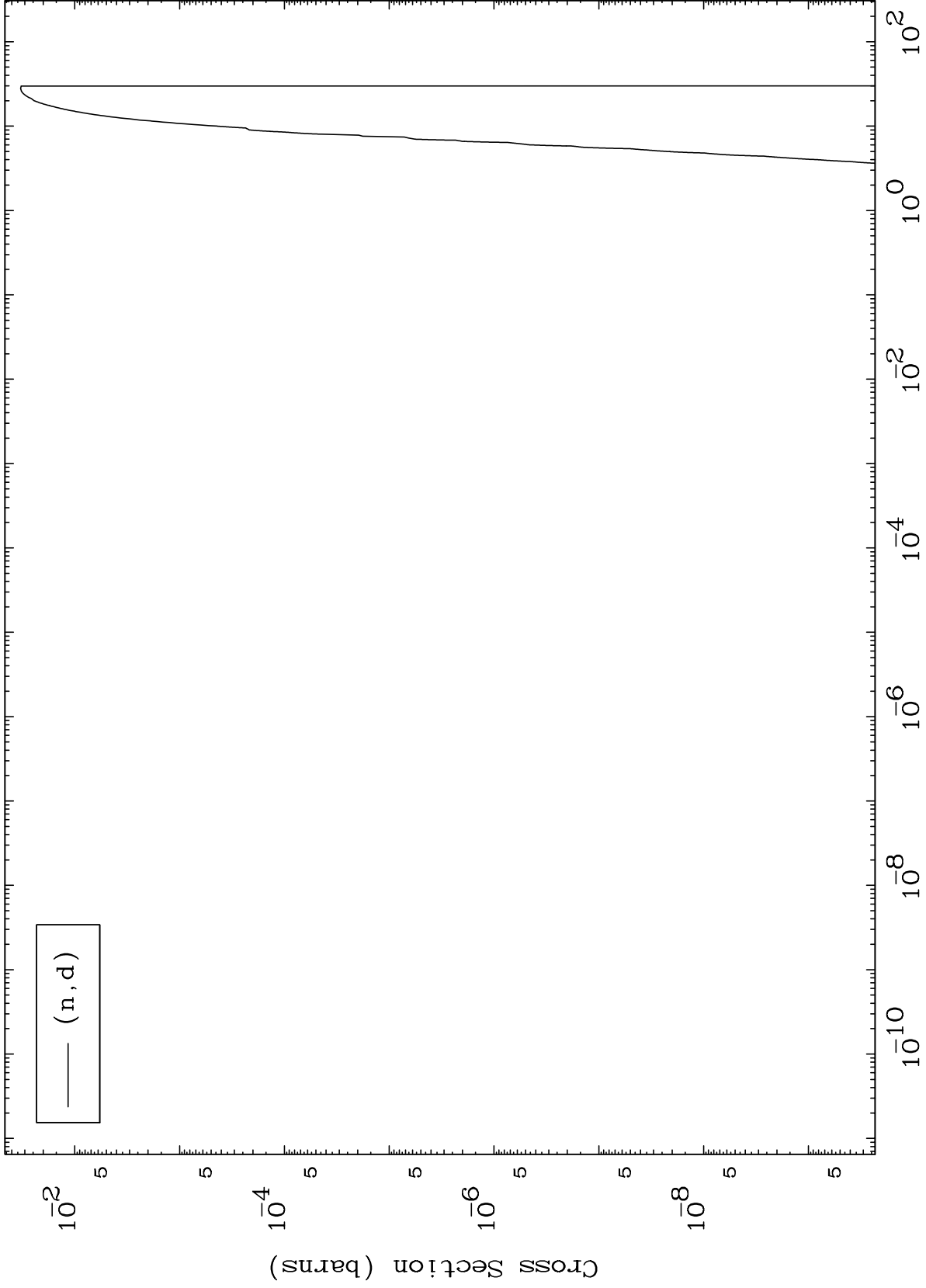


10

MAT 8280

(n,d) Levels
293 Kelvin Cross Sections

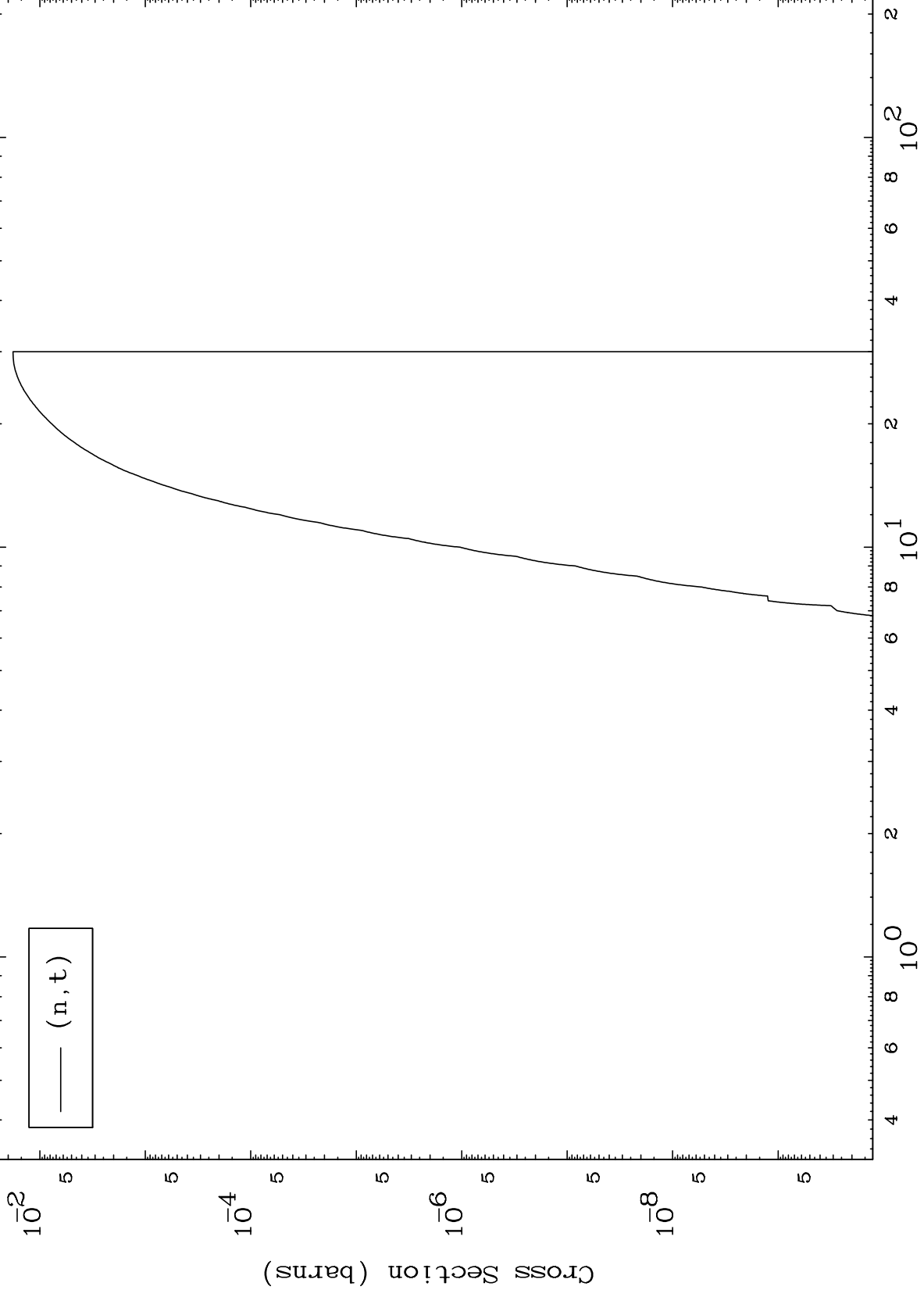
83-Bi-194



MAT 8280

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-194



12

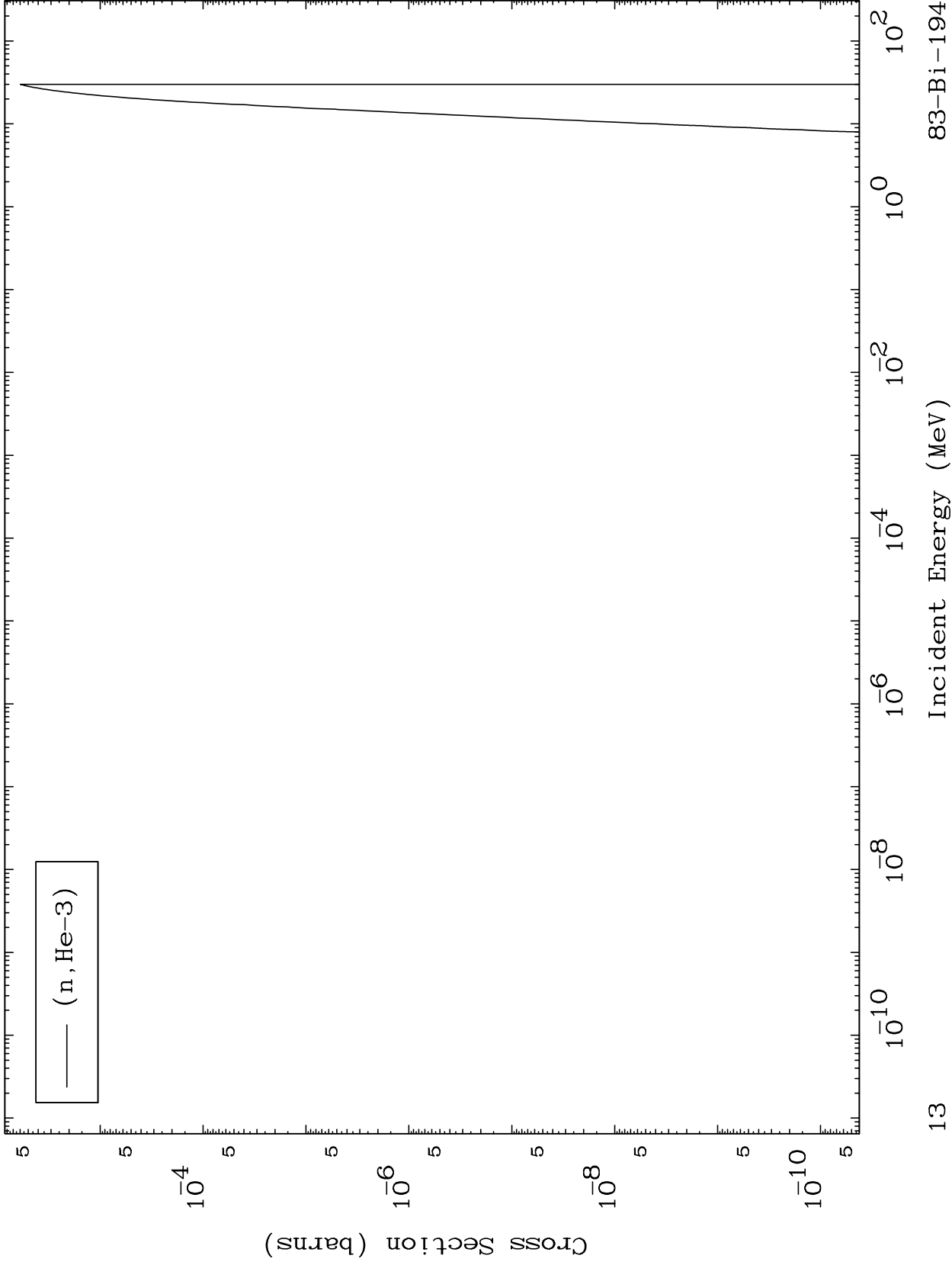
Incident Energy (MeV)

83-Bi-194

MAT 8280

(n,He3) Levels
293 Kelvin Cross Sections

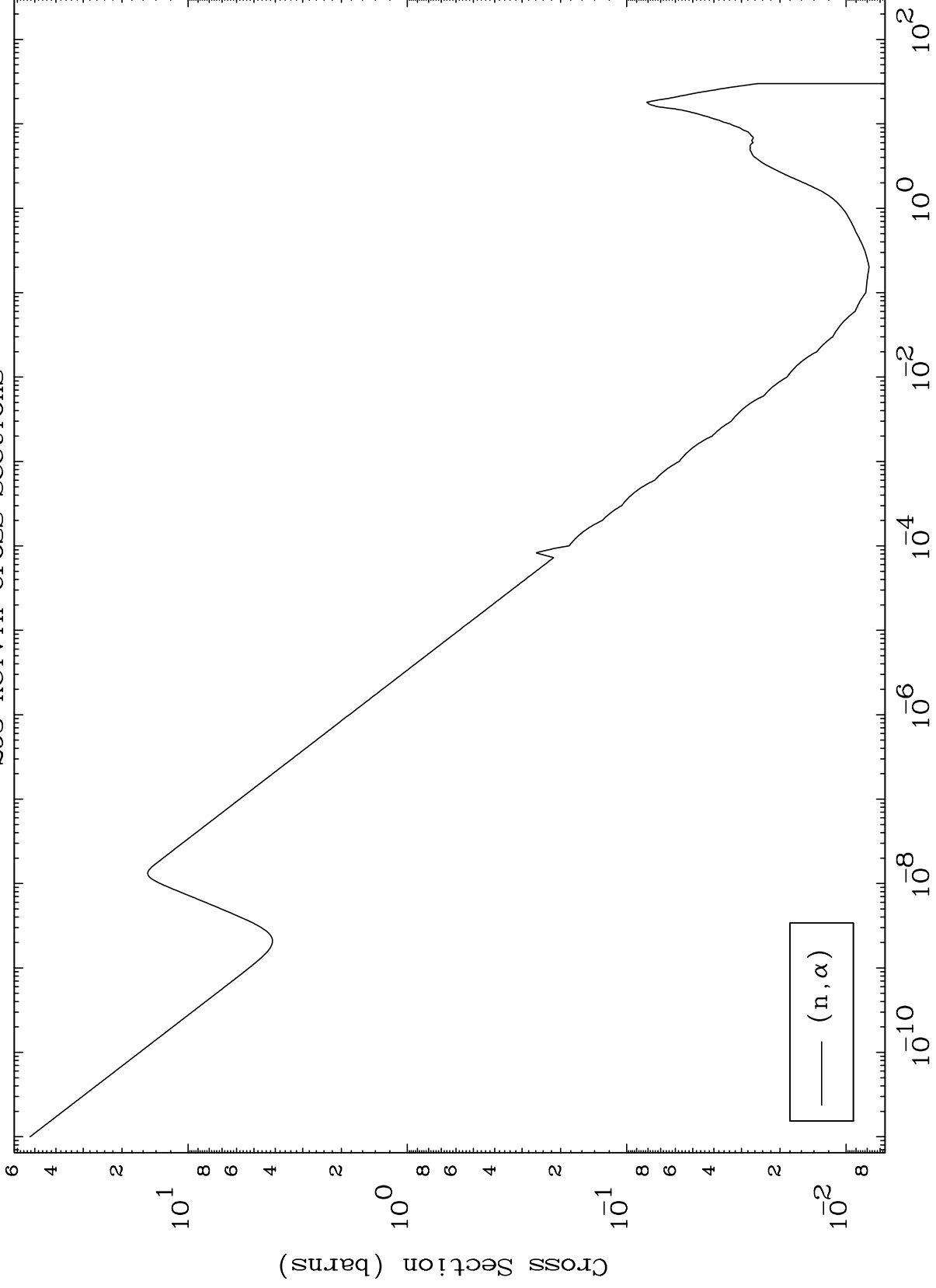
83-Bi-194



MAT 8280

(n,α) Levels
293 Kelvin Cross Sections

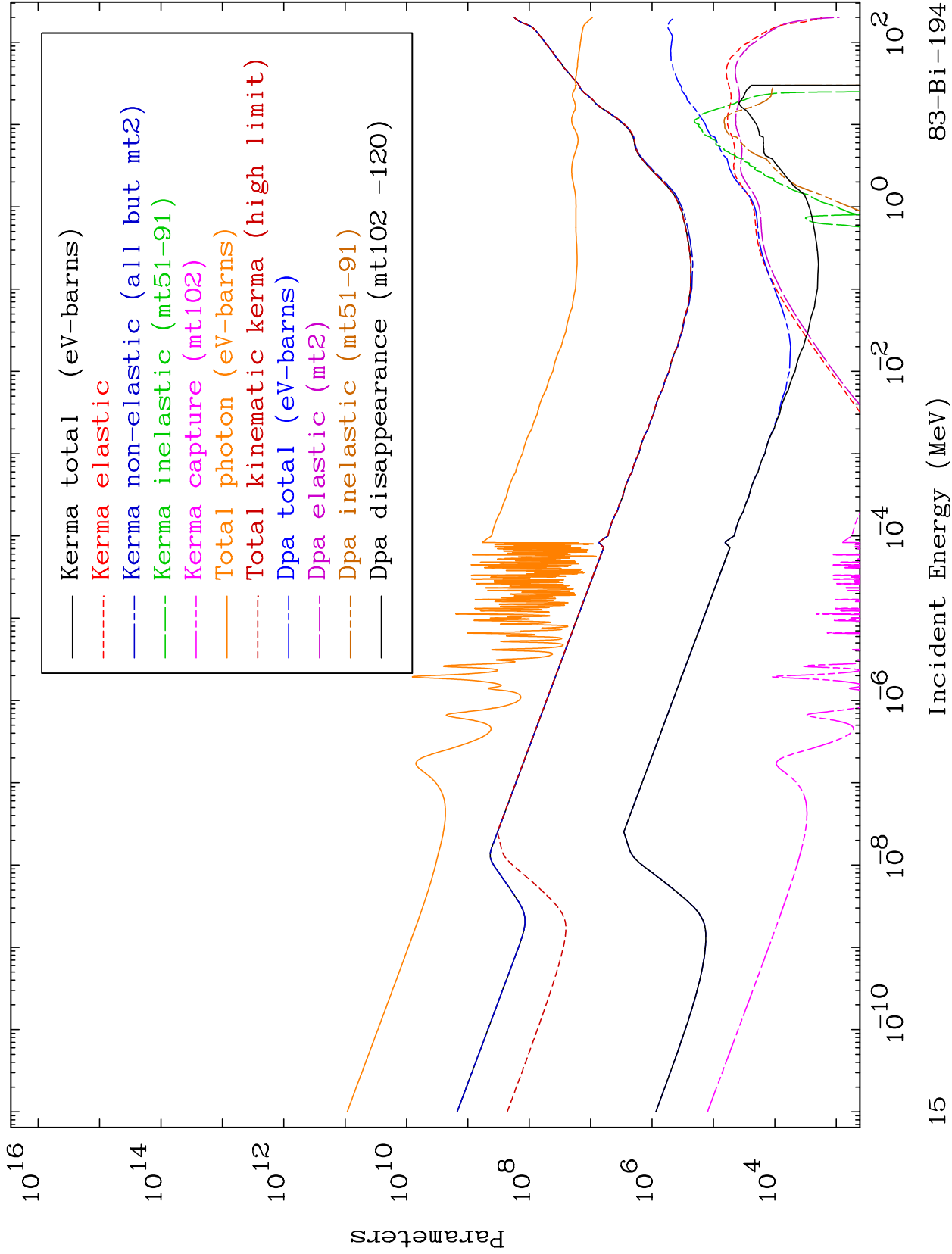
83-Bi-194



14

Incident Energy (MeV)

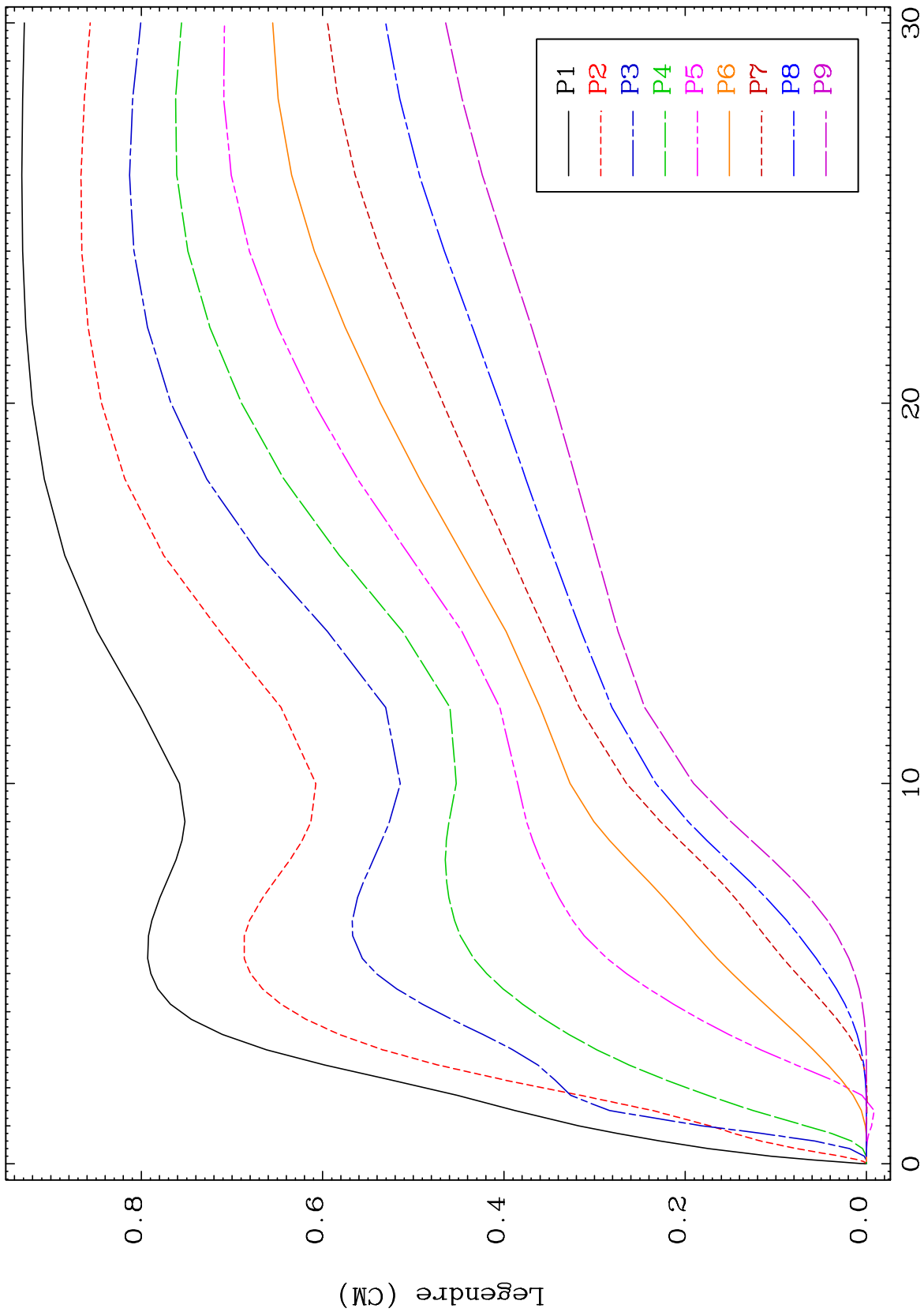
83-Bi-194



MAT 8280

83-Bi-194

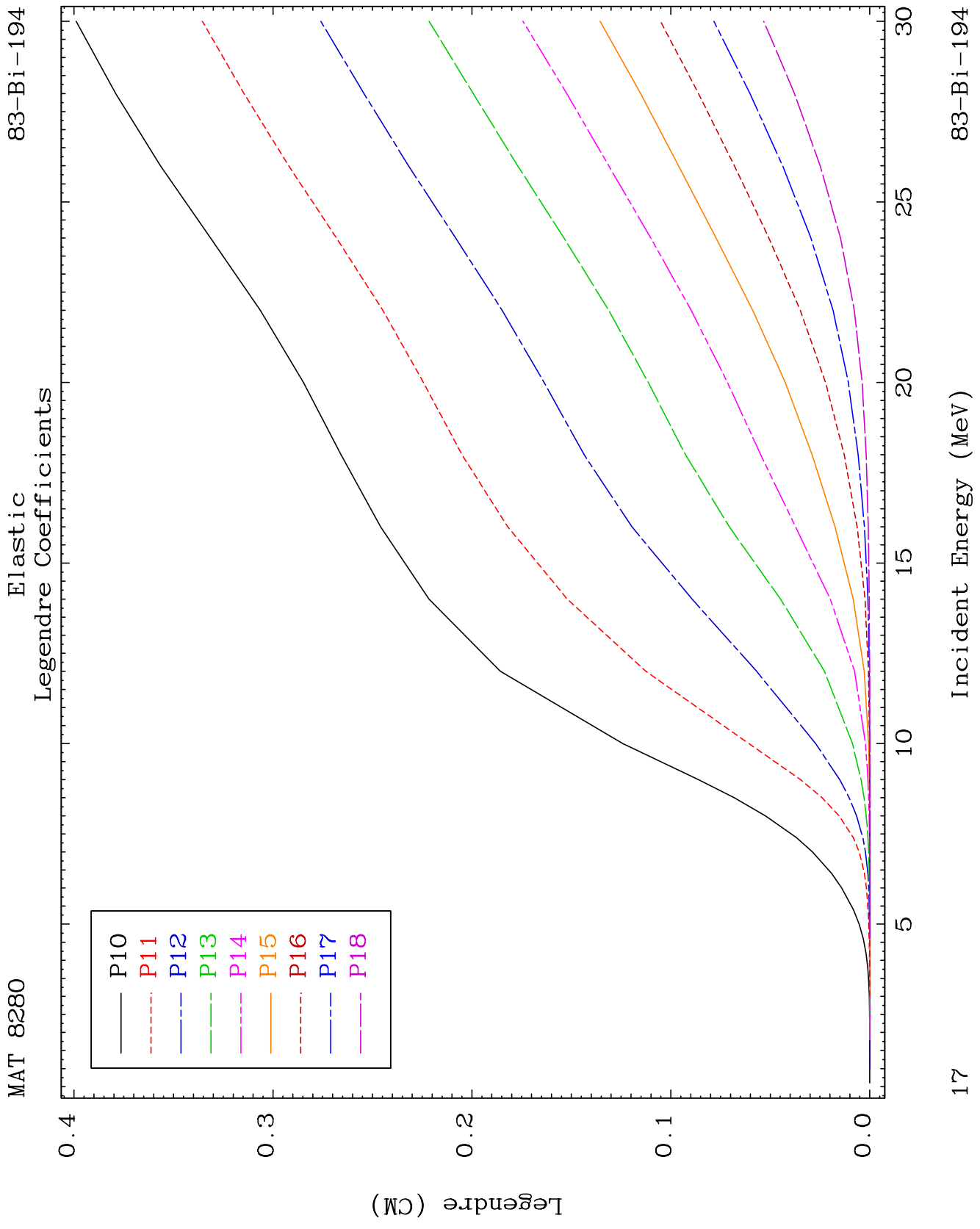
Elastic Legendre Coefficients



83-Bi-194

Incident Energy (MeV)

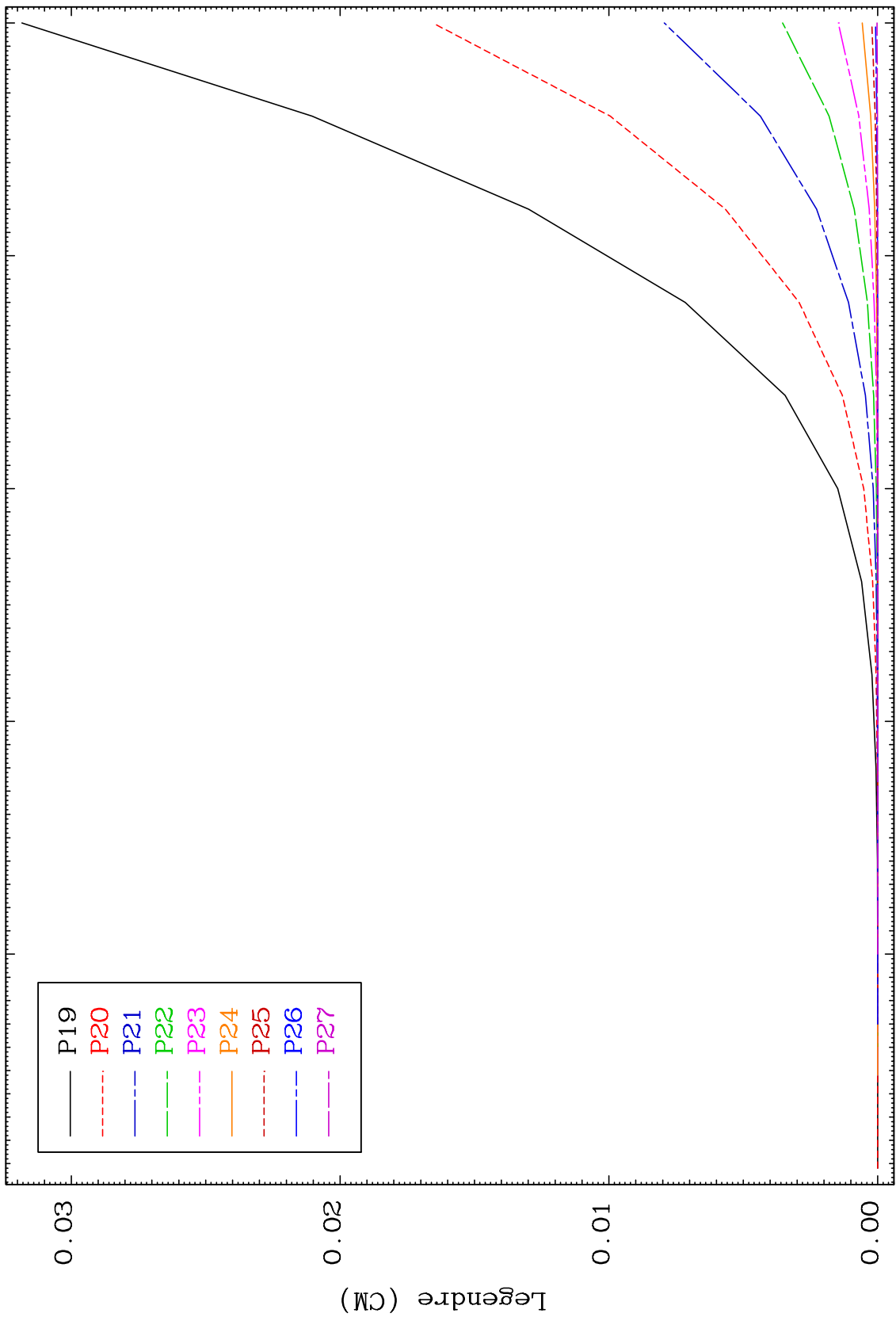
16



MAT 8280

Elastic Legendre Coefficients

83-Bi-194



18

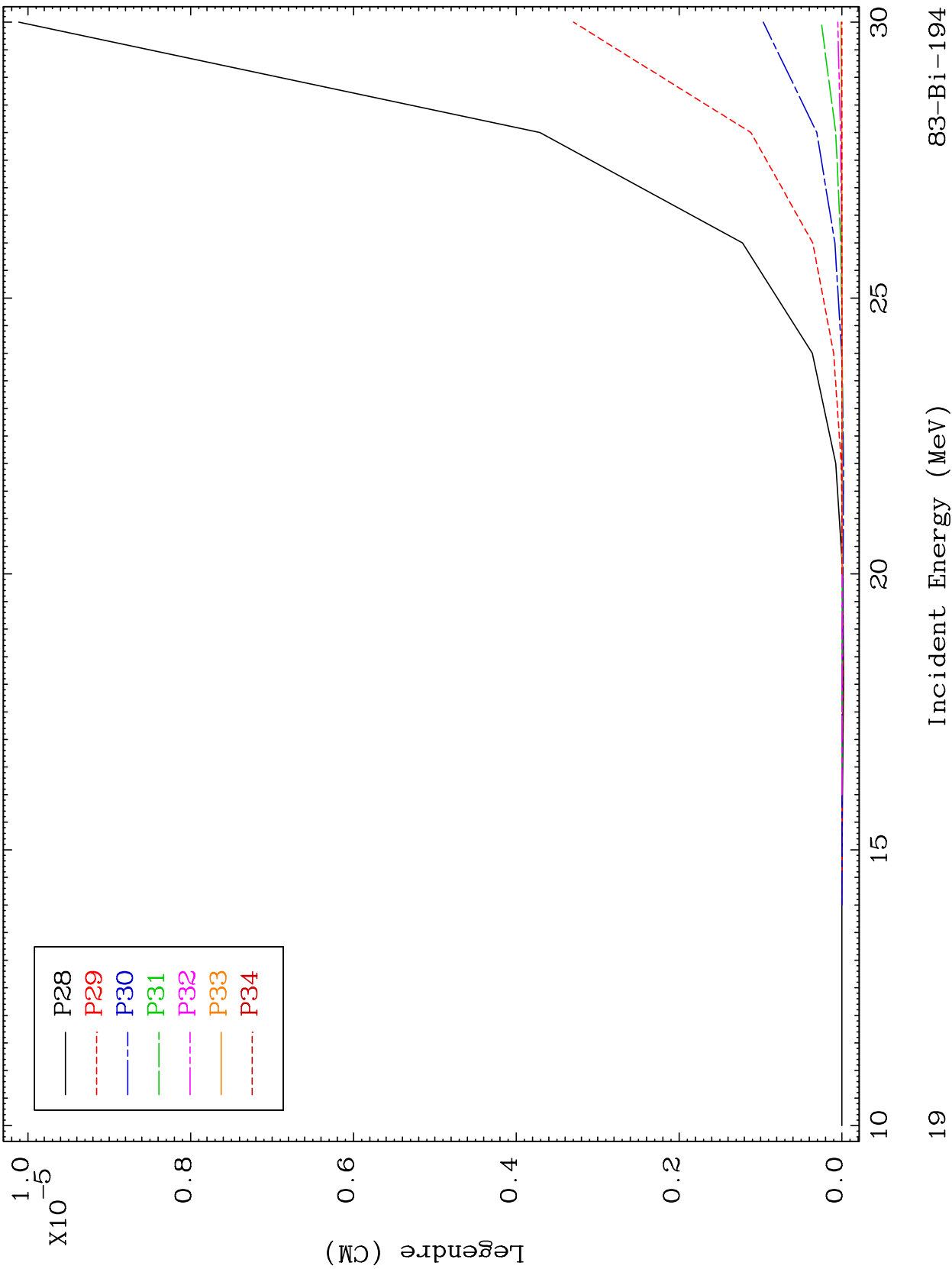
Incident Energy (MeV)

83-Bi-194

MAT 8280

Elastic
Legendre Coefficients

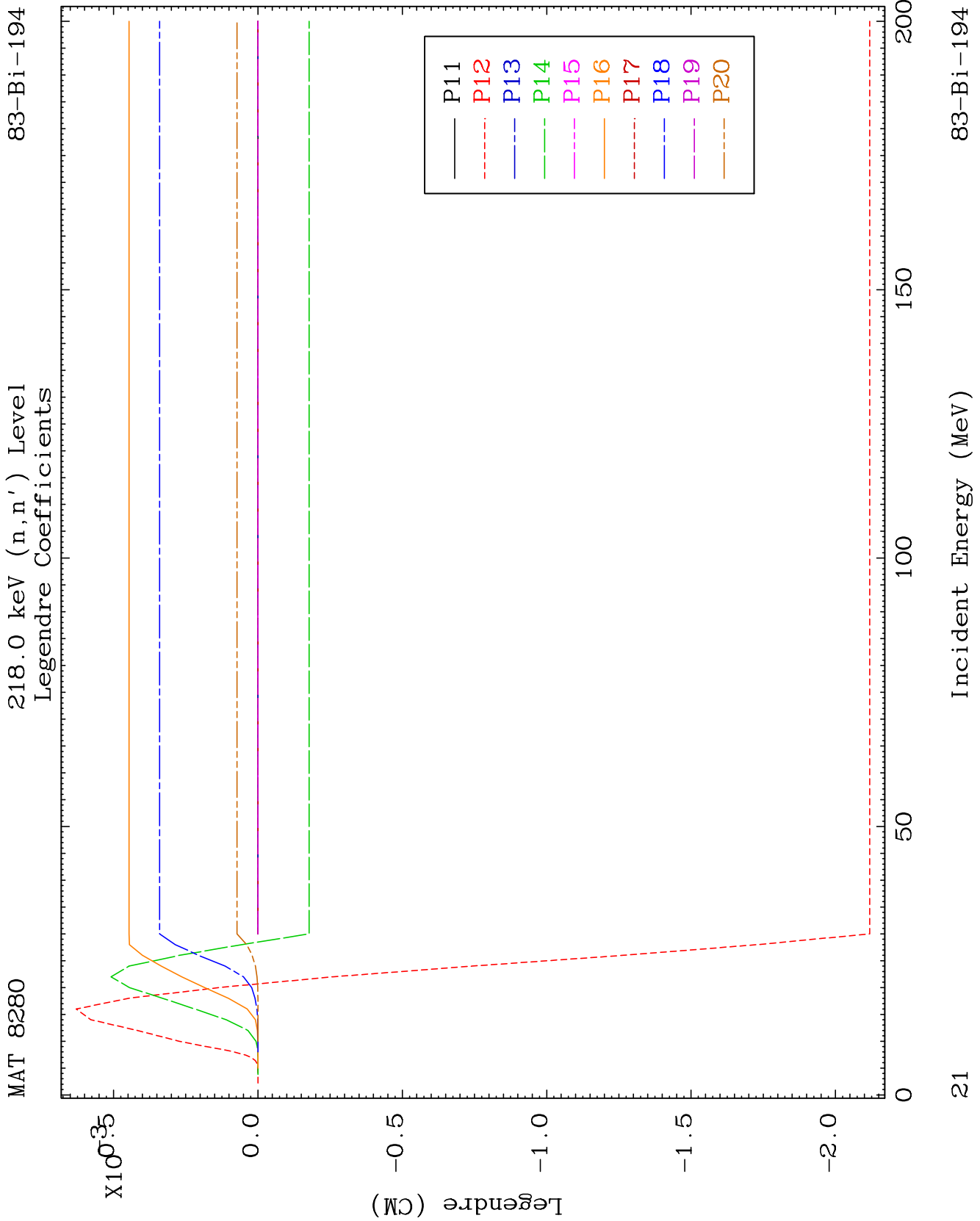
83-Bi-194

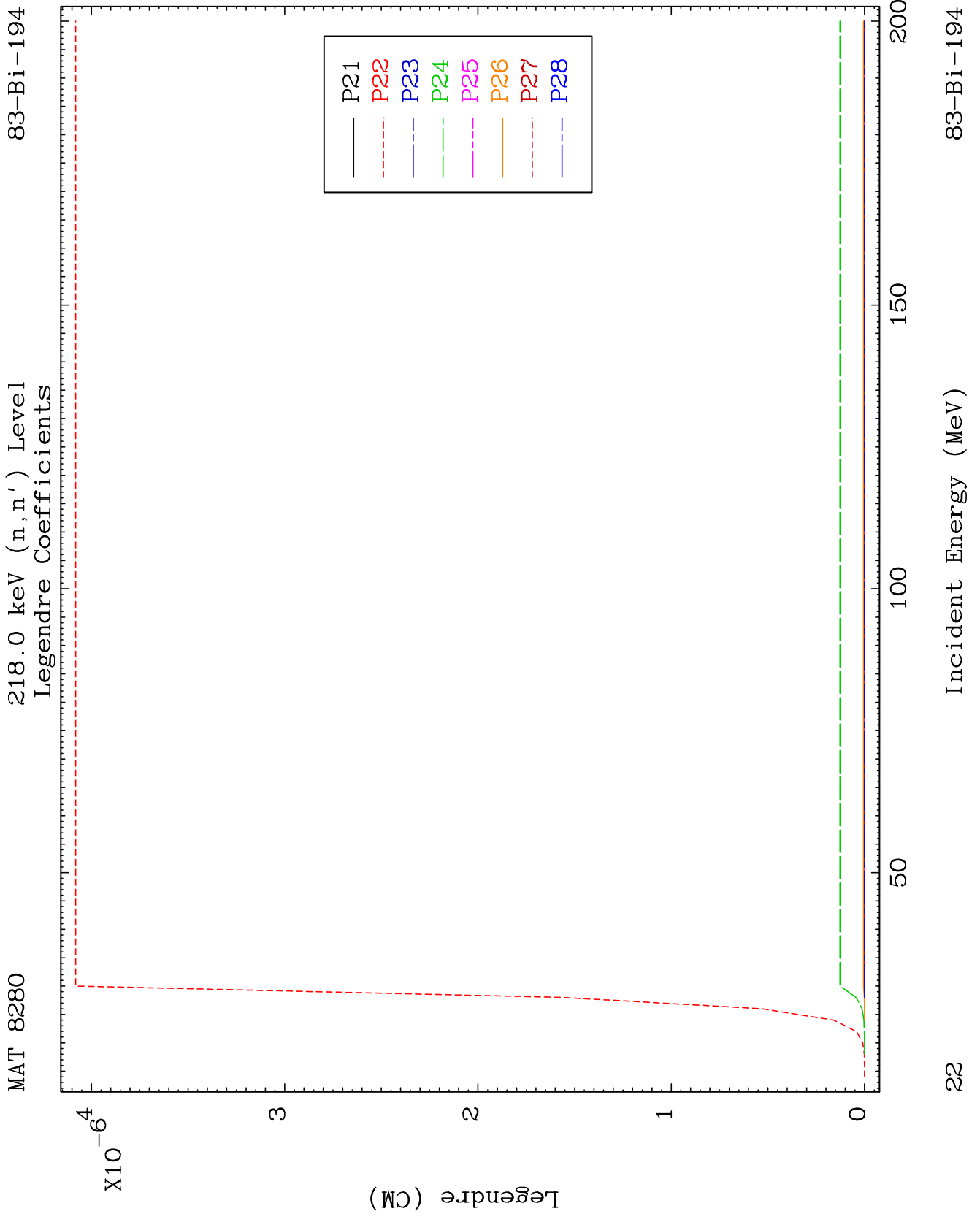


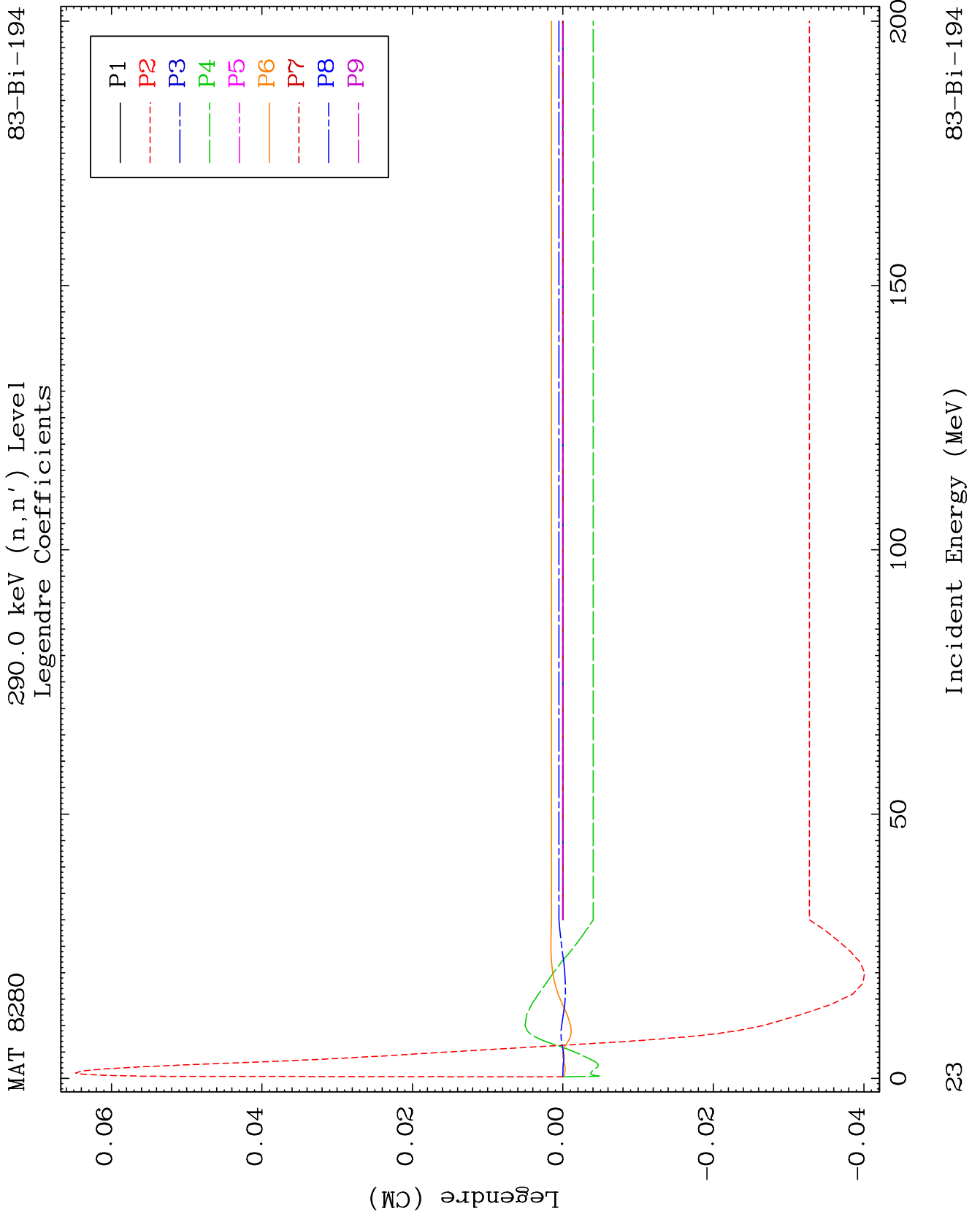
19

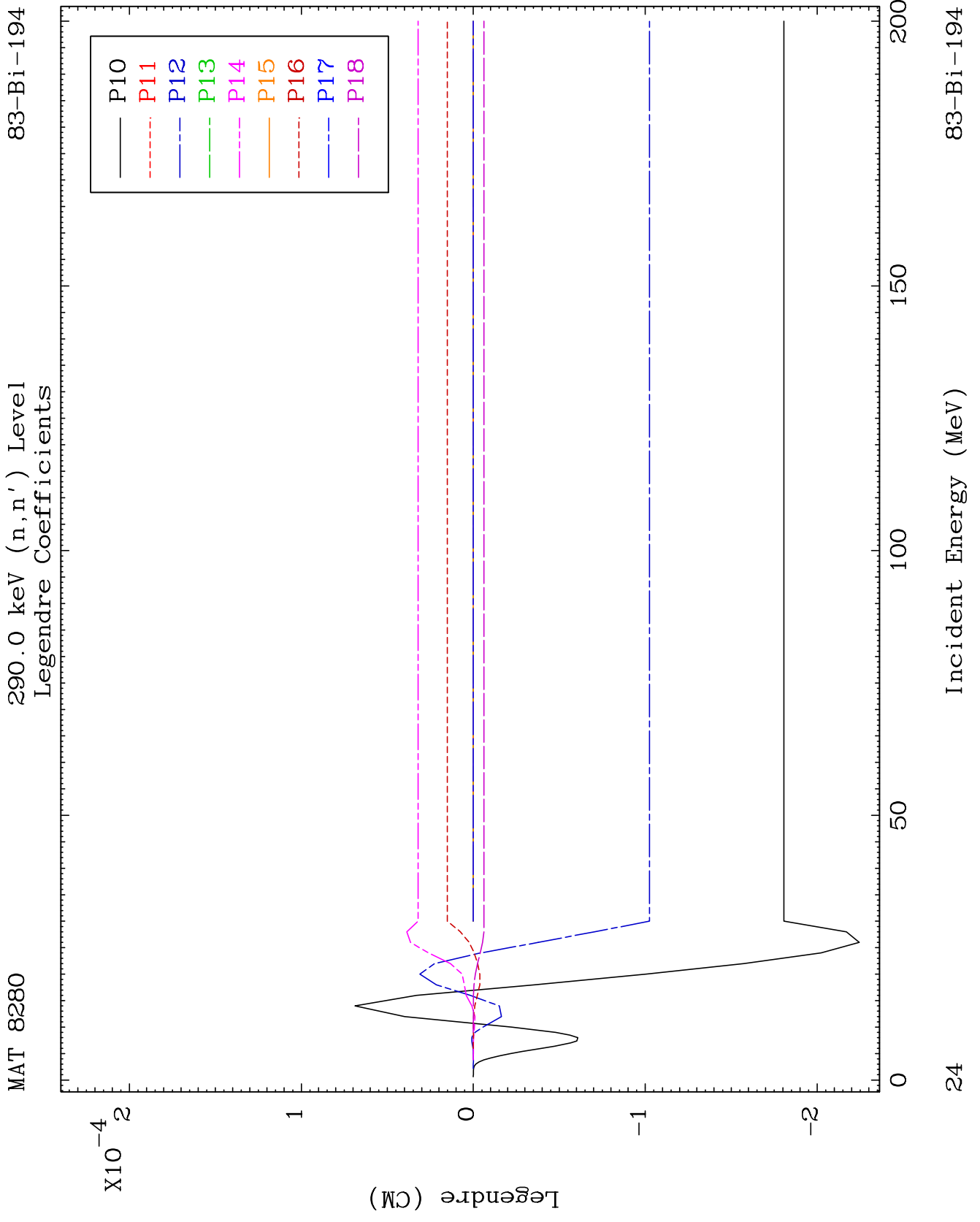
Incident Energy (MeV)

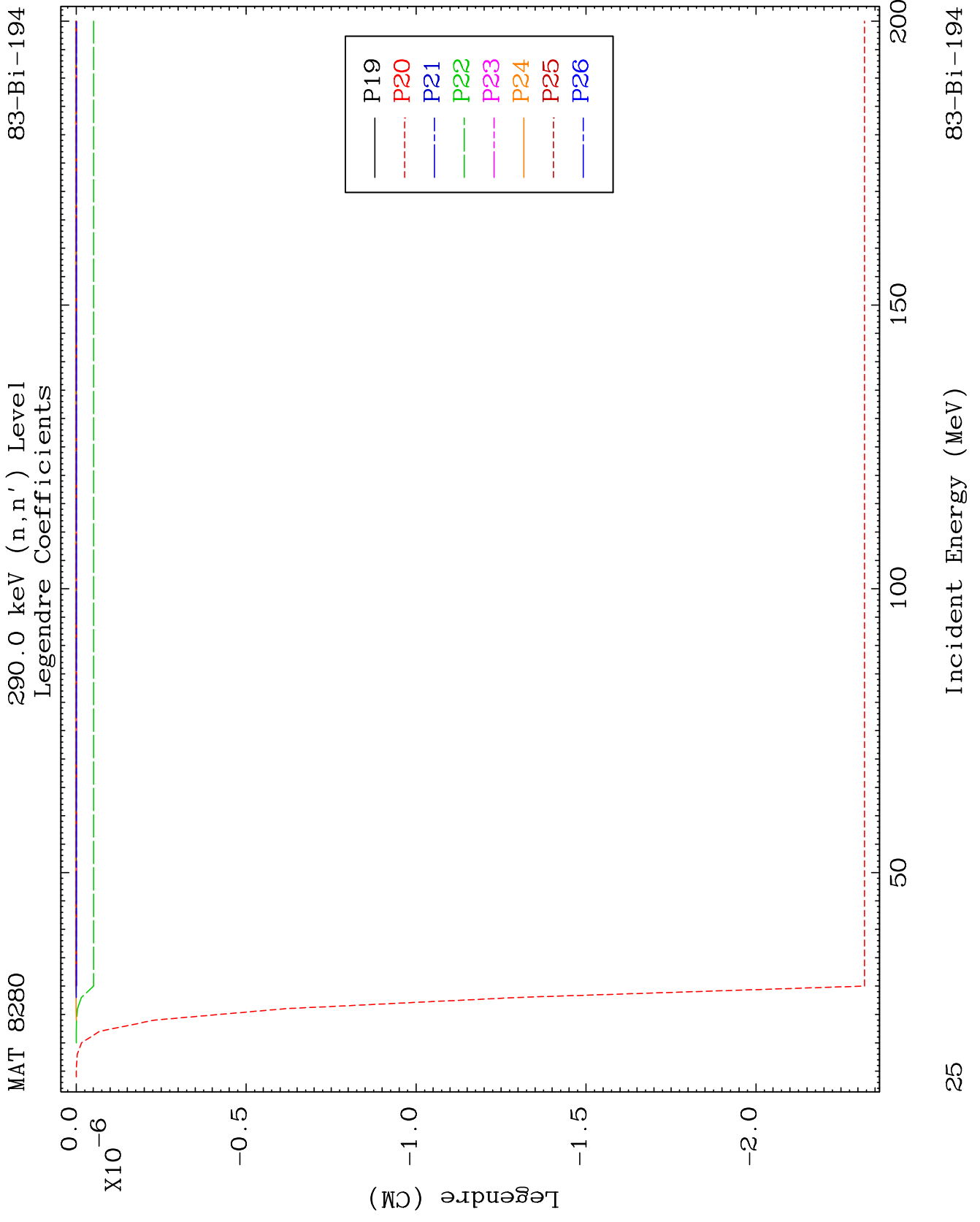
83-Bi-194

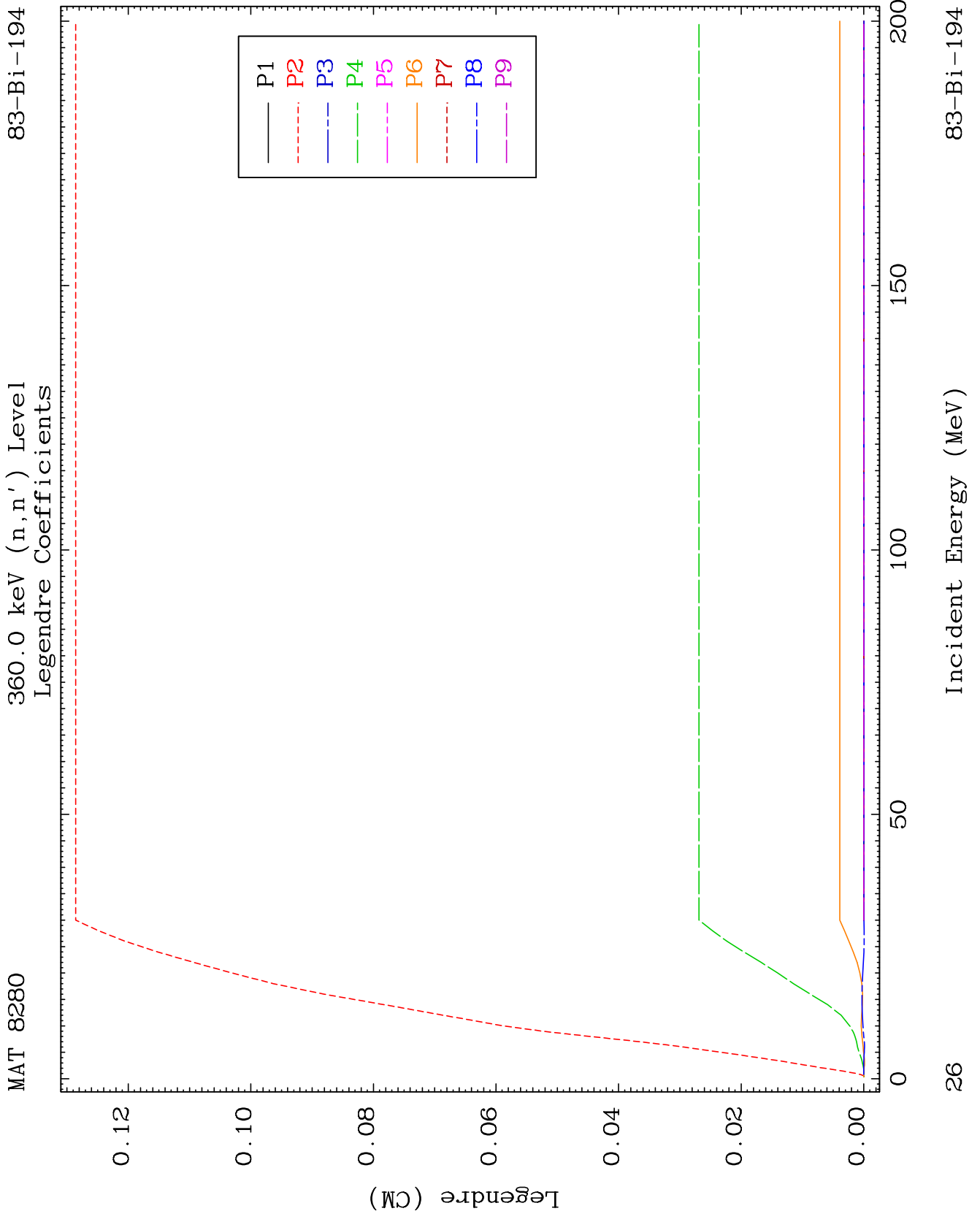








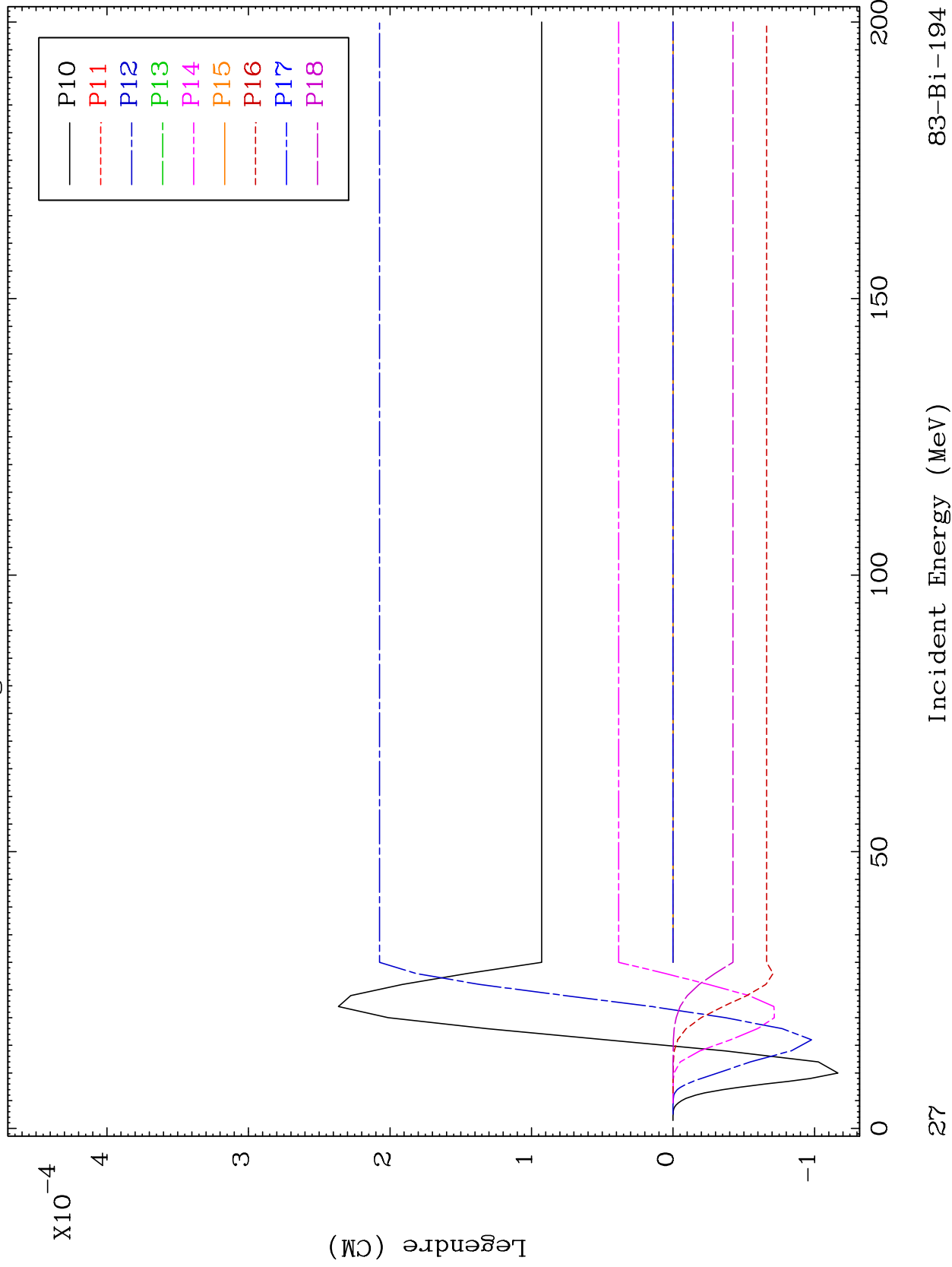


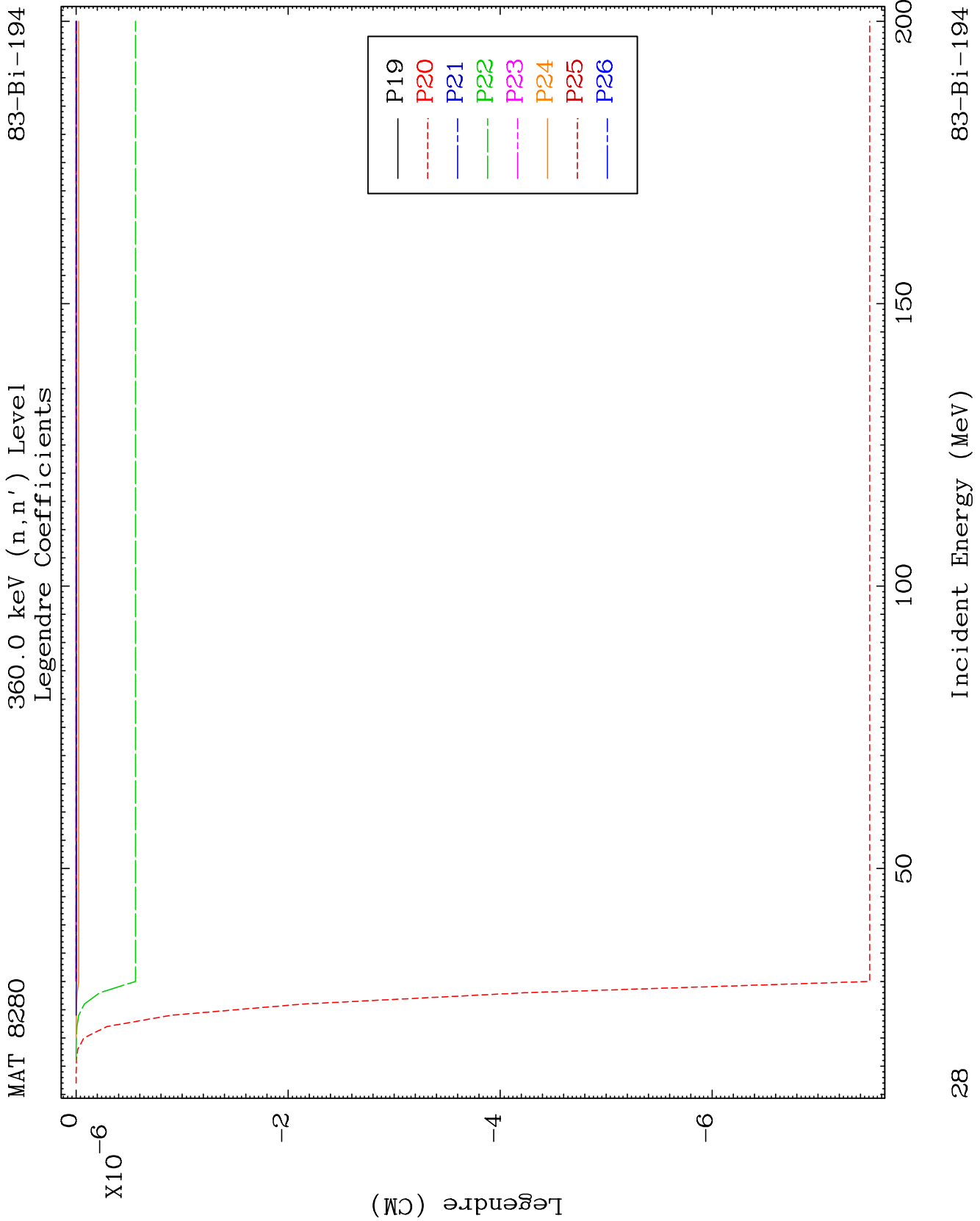


MAT 8280

360.0 keV (n,n') Level
Legendre Coefficients

83-Bi-194

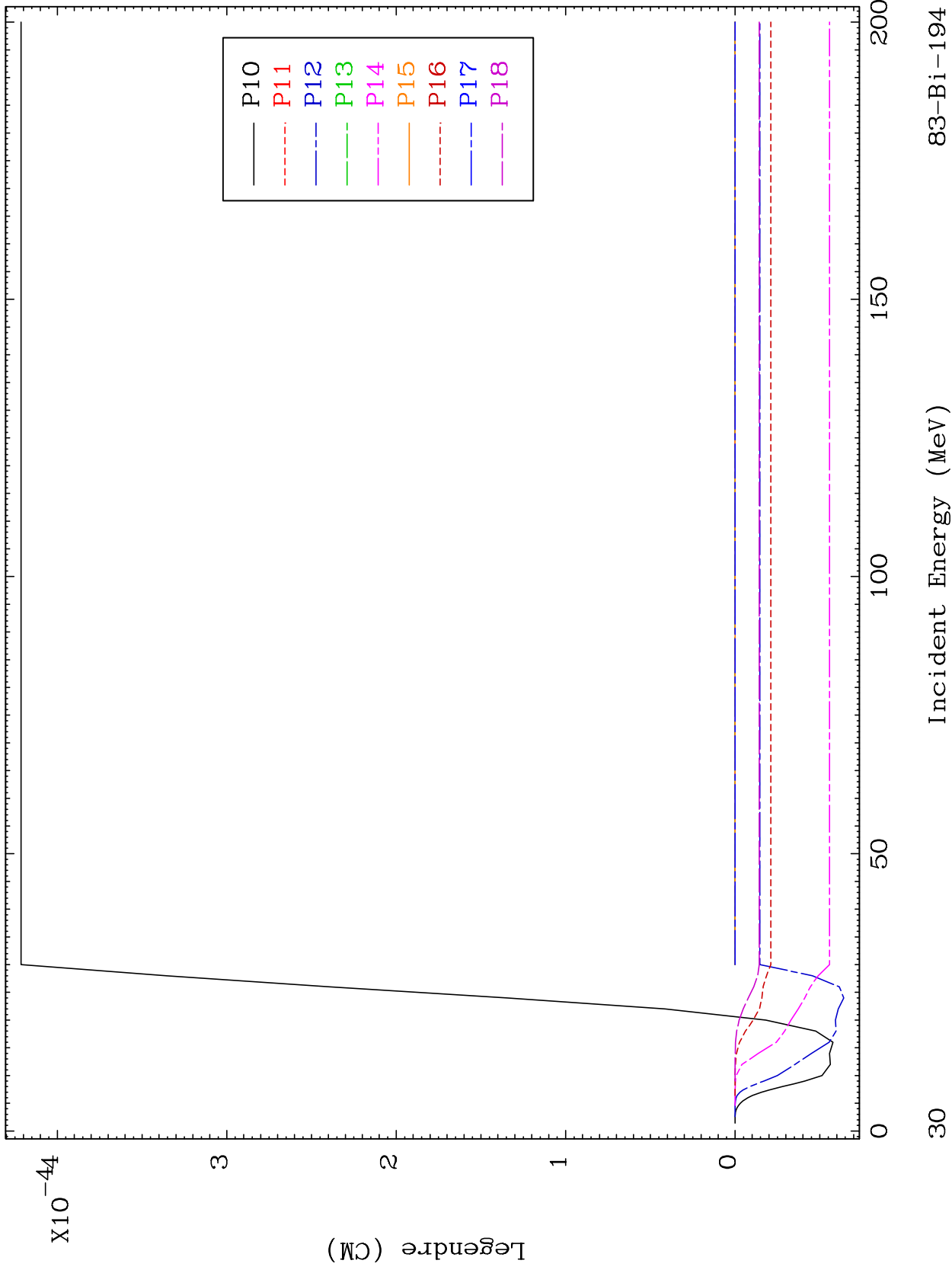




MAT 8280

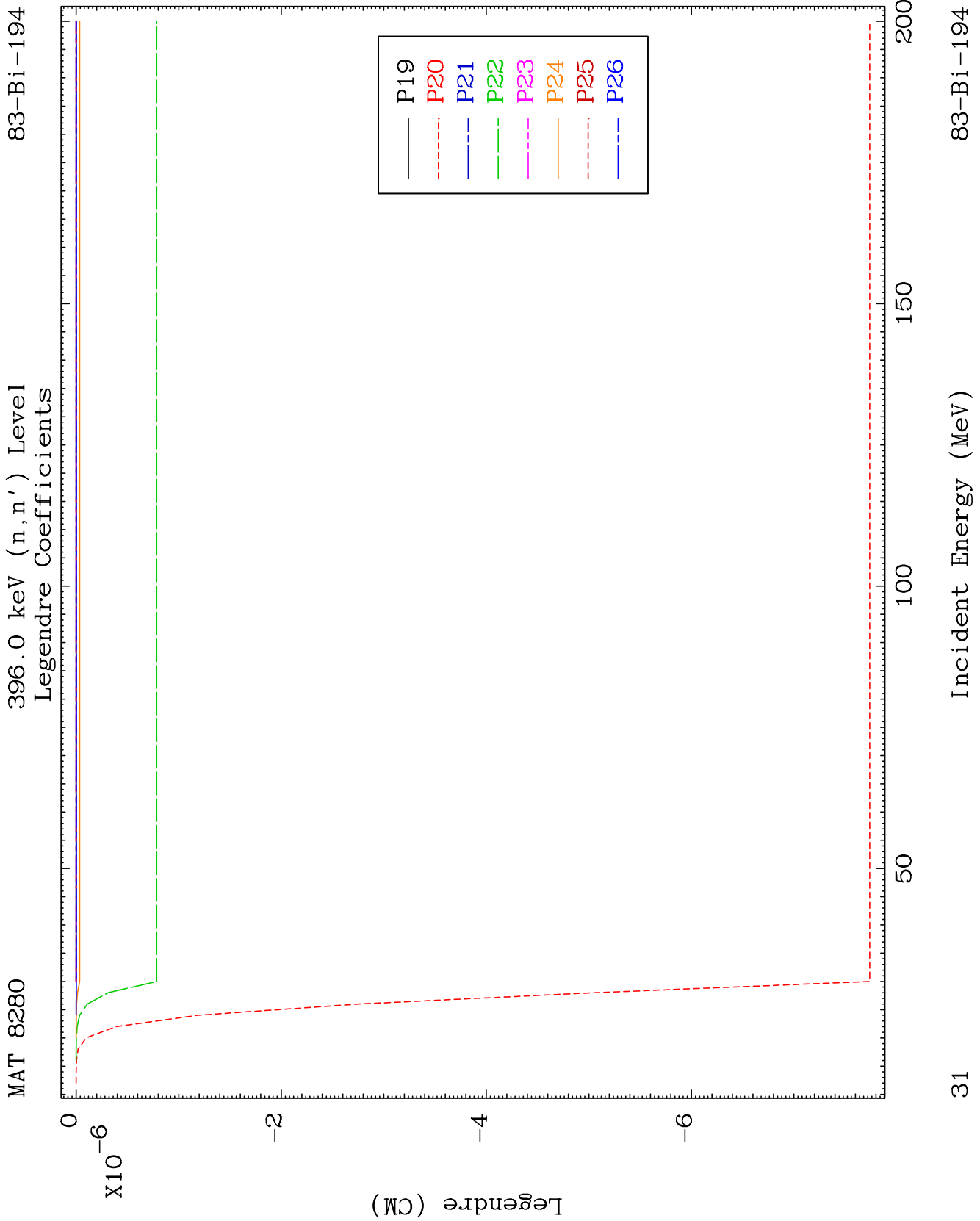
396.0 keV (n,n') Level
Legendre Coefficients

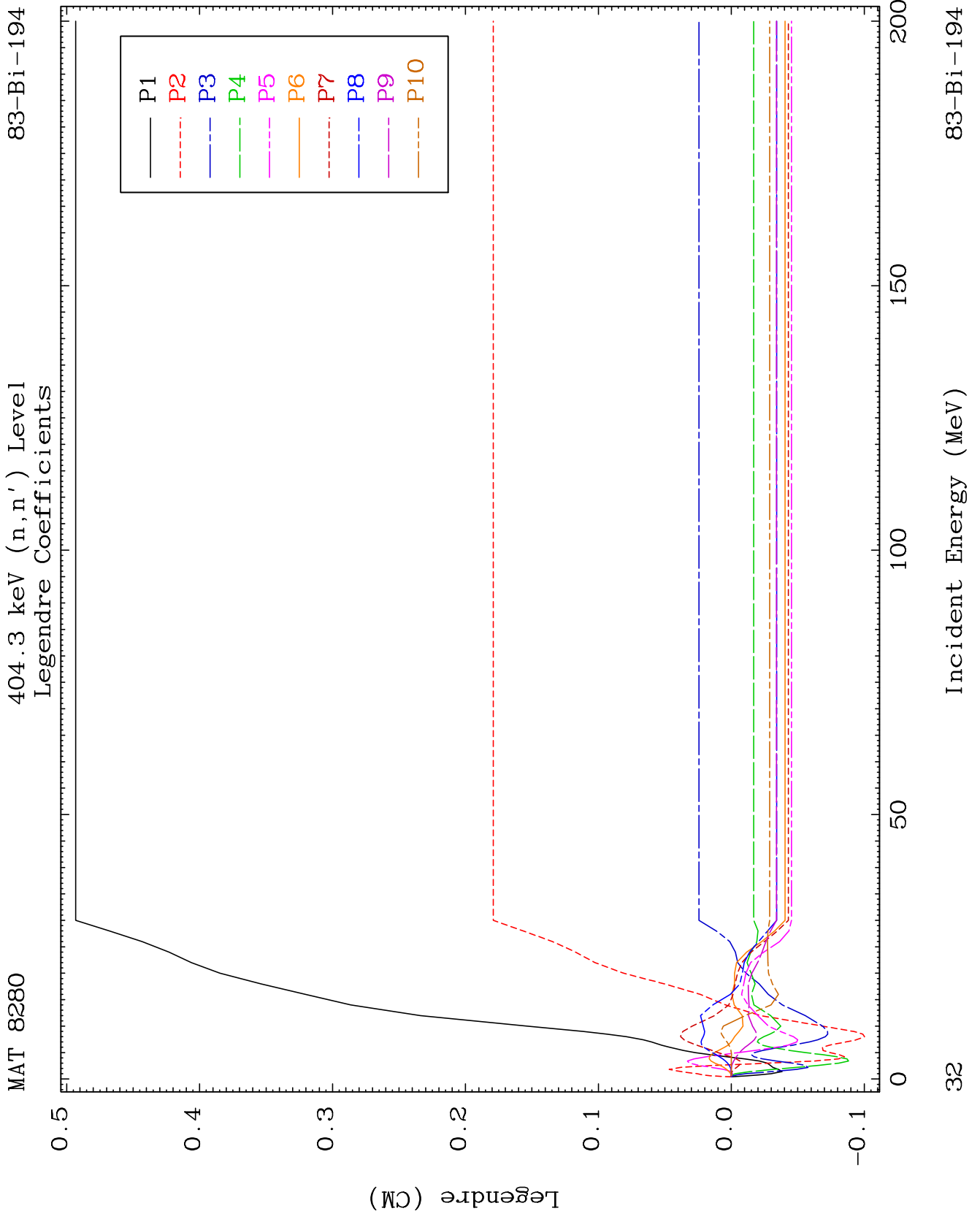
83-Bi-194



83-Bi-194

Incident Energy (MeV)

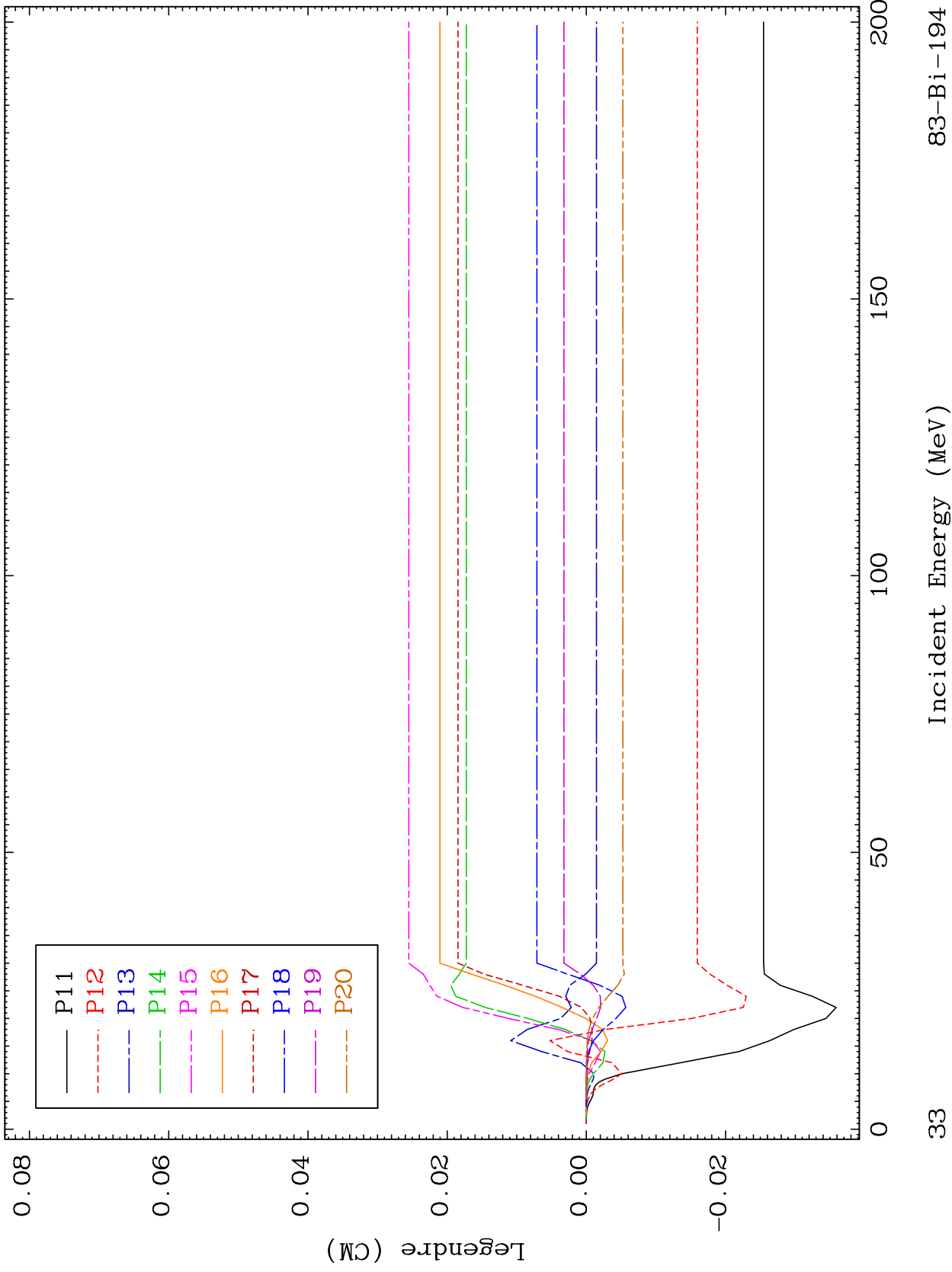




MAT 8280

404.3 keV (n,n') Level
Legendre Coefficients

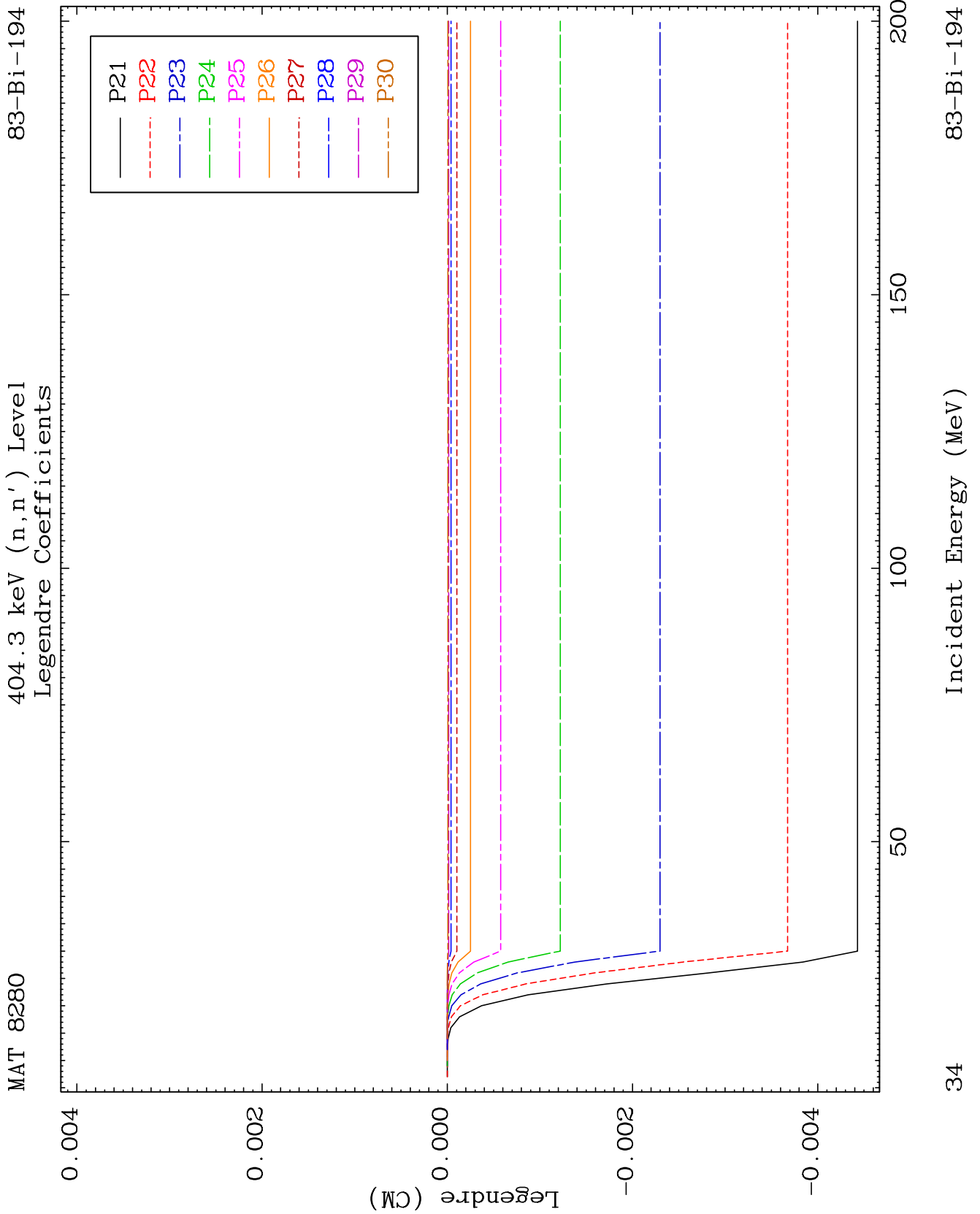
83-Bi-194

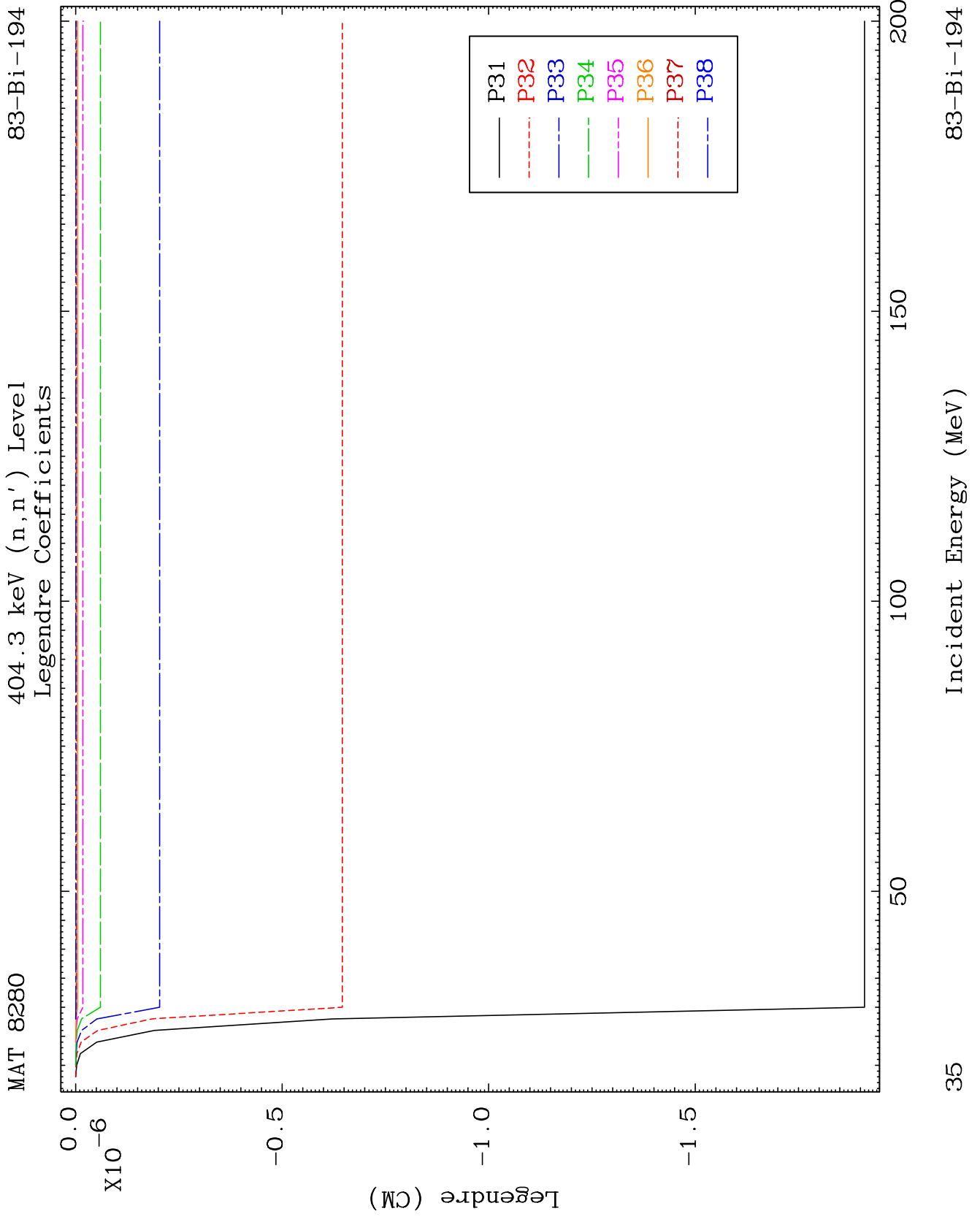


33

Incident Energy (MeV)

83-Bi-194

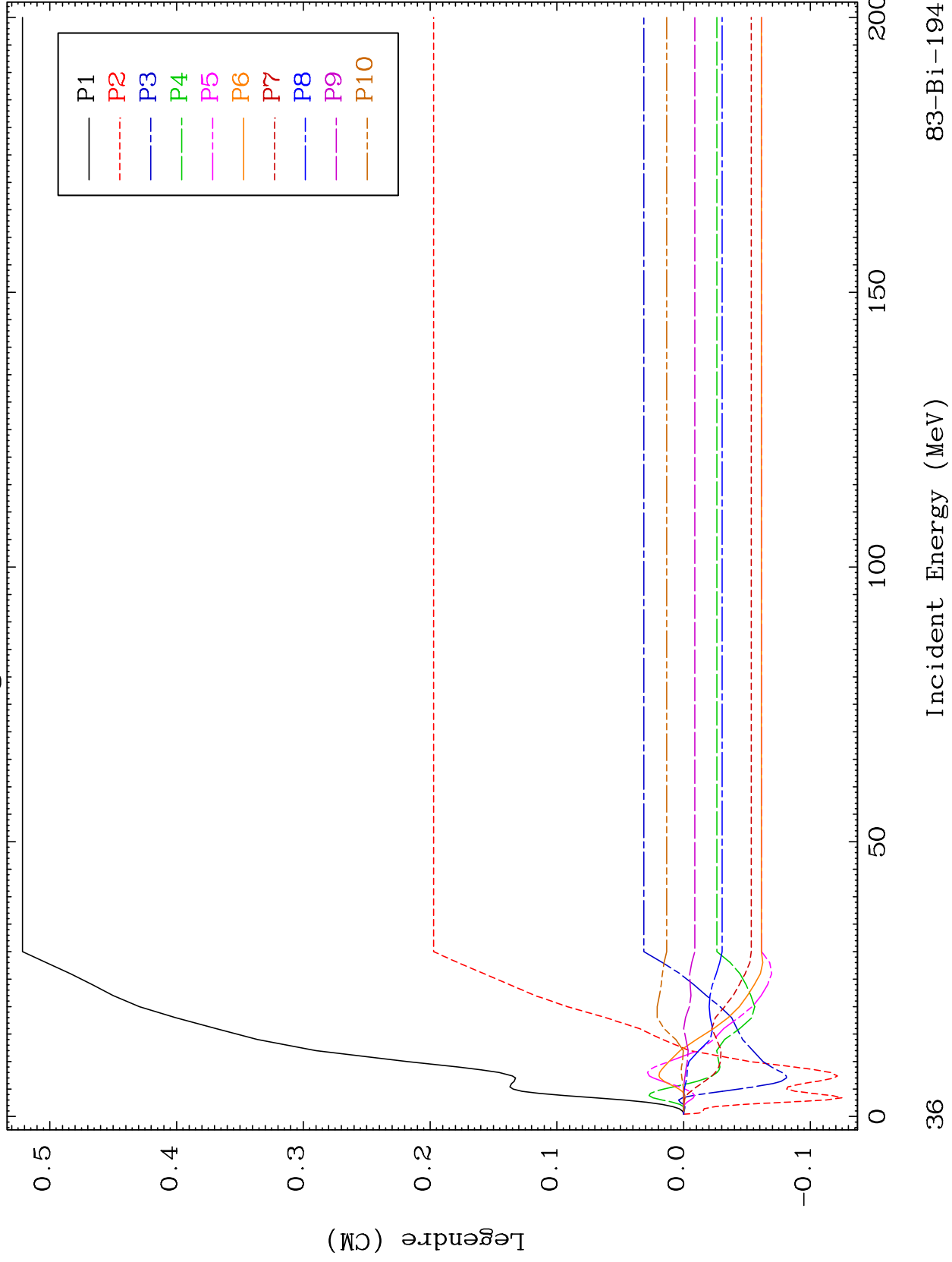




MAT 8280

408.0 keV (n,n') Level
Legendre Coefficients

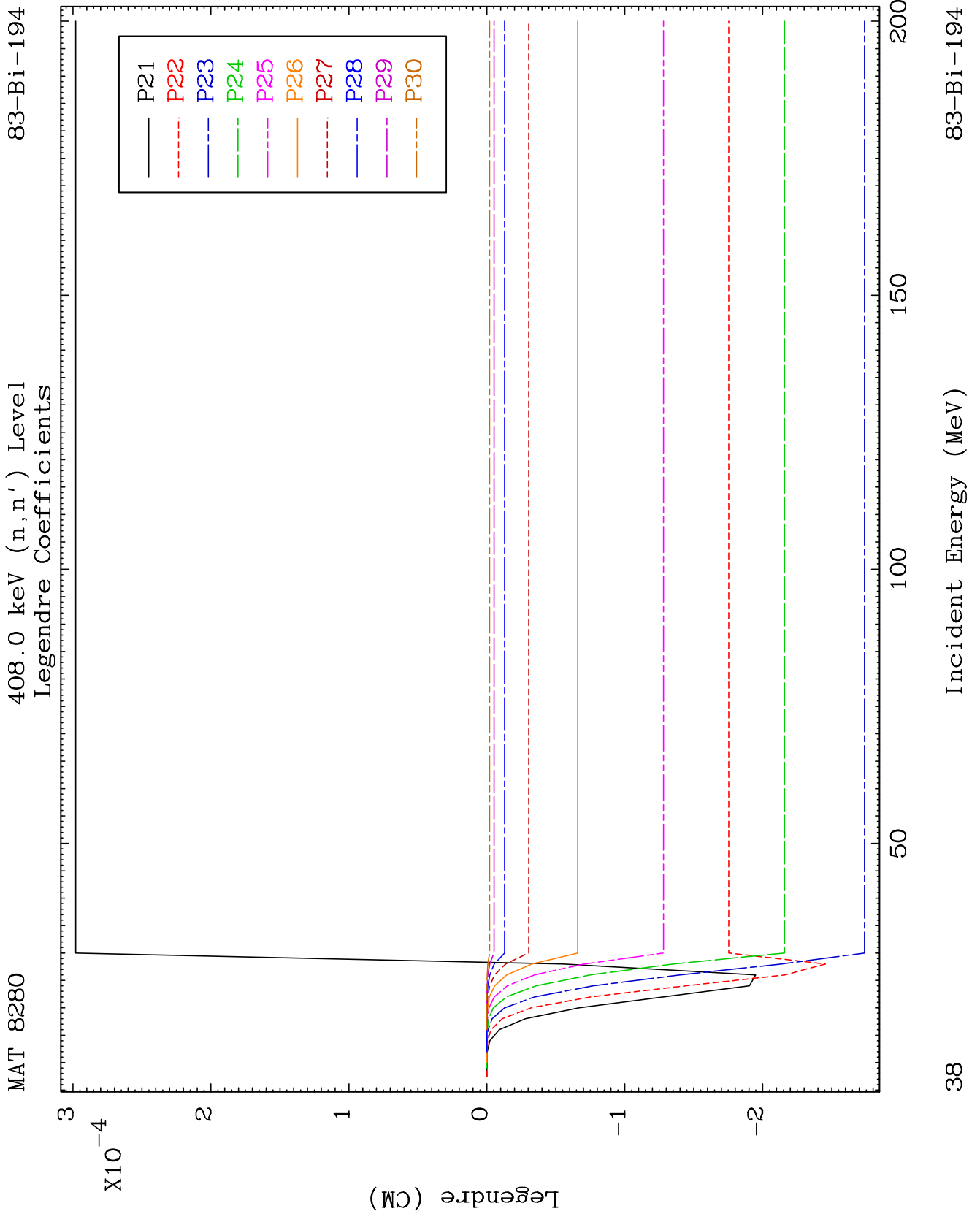
83-Bi-194

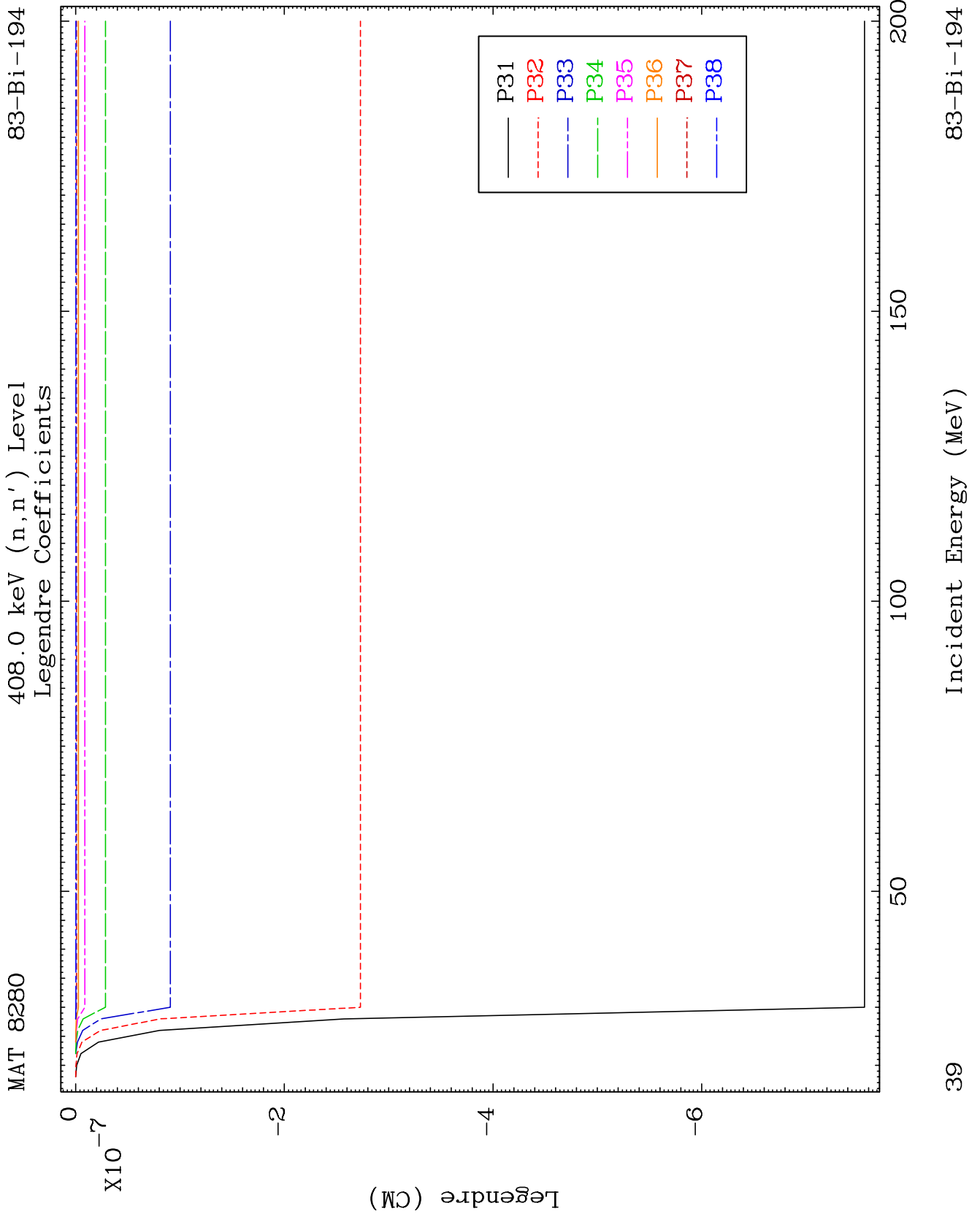


83-Bi-194

Incident Energy (MeV)

36

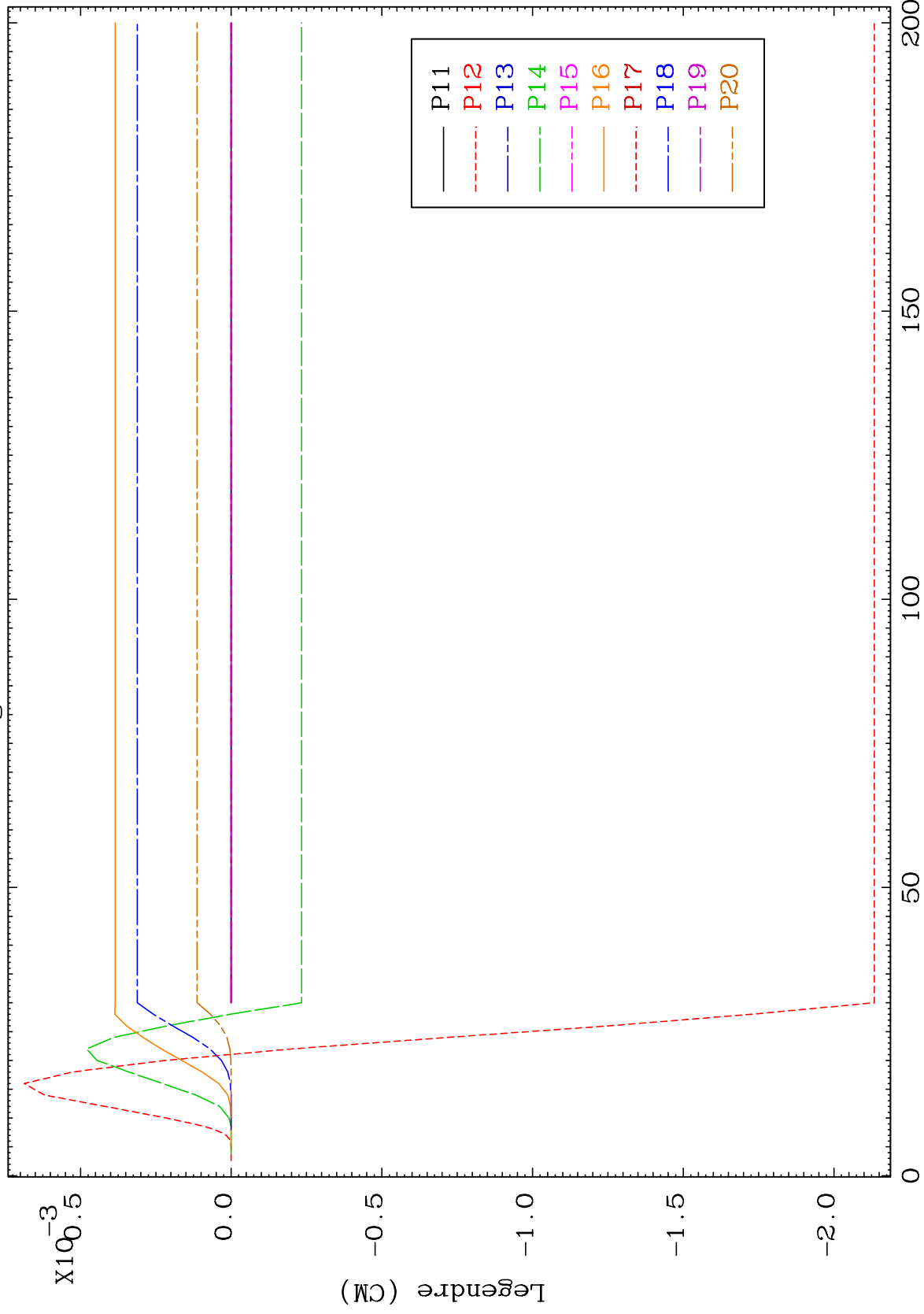




MAT 8280

410.6 keV (n,n') Level
Legendre Coefficients

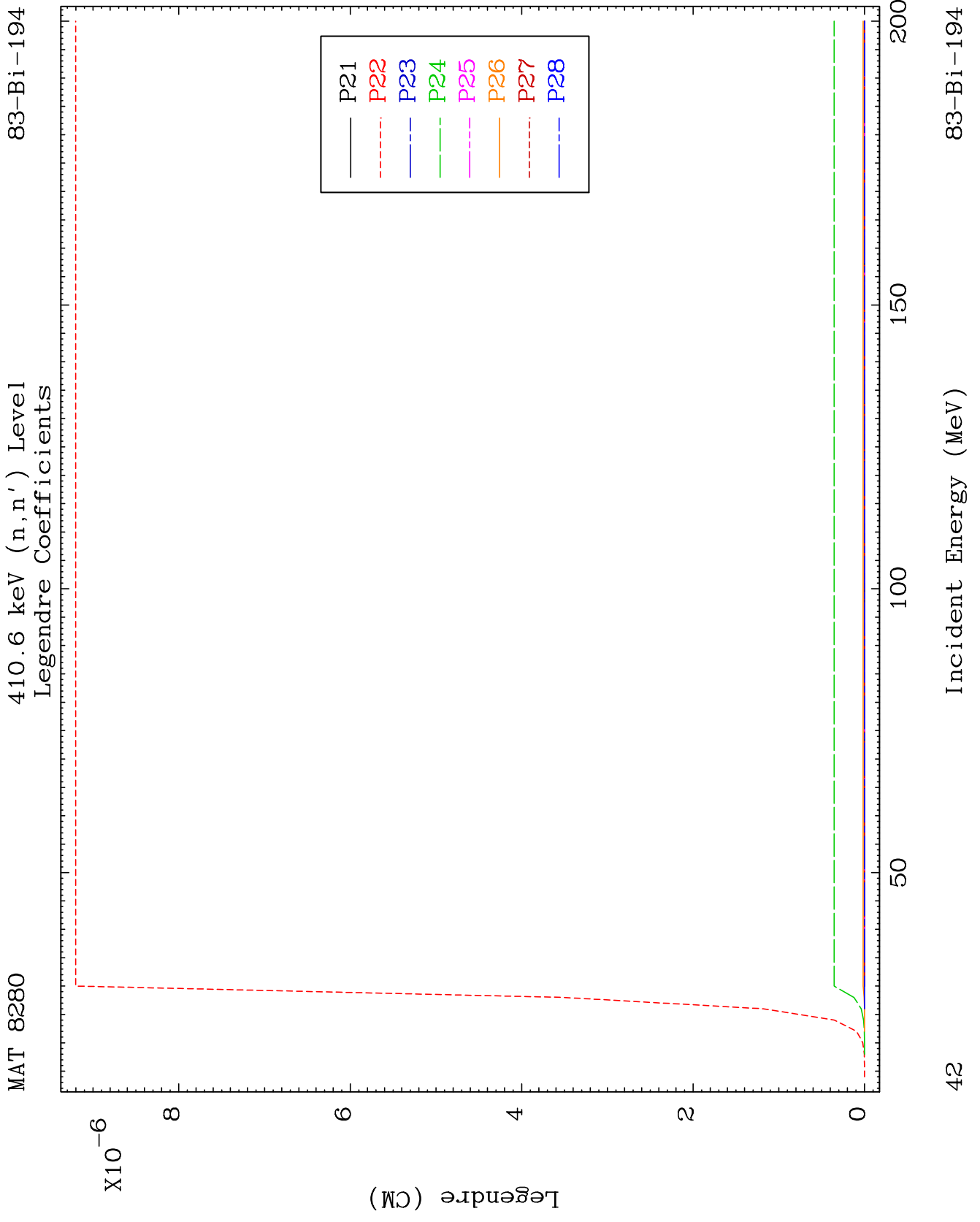
83-Bi-194



41

Incident Energy (MeV)

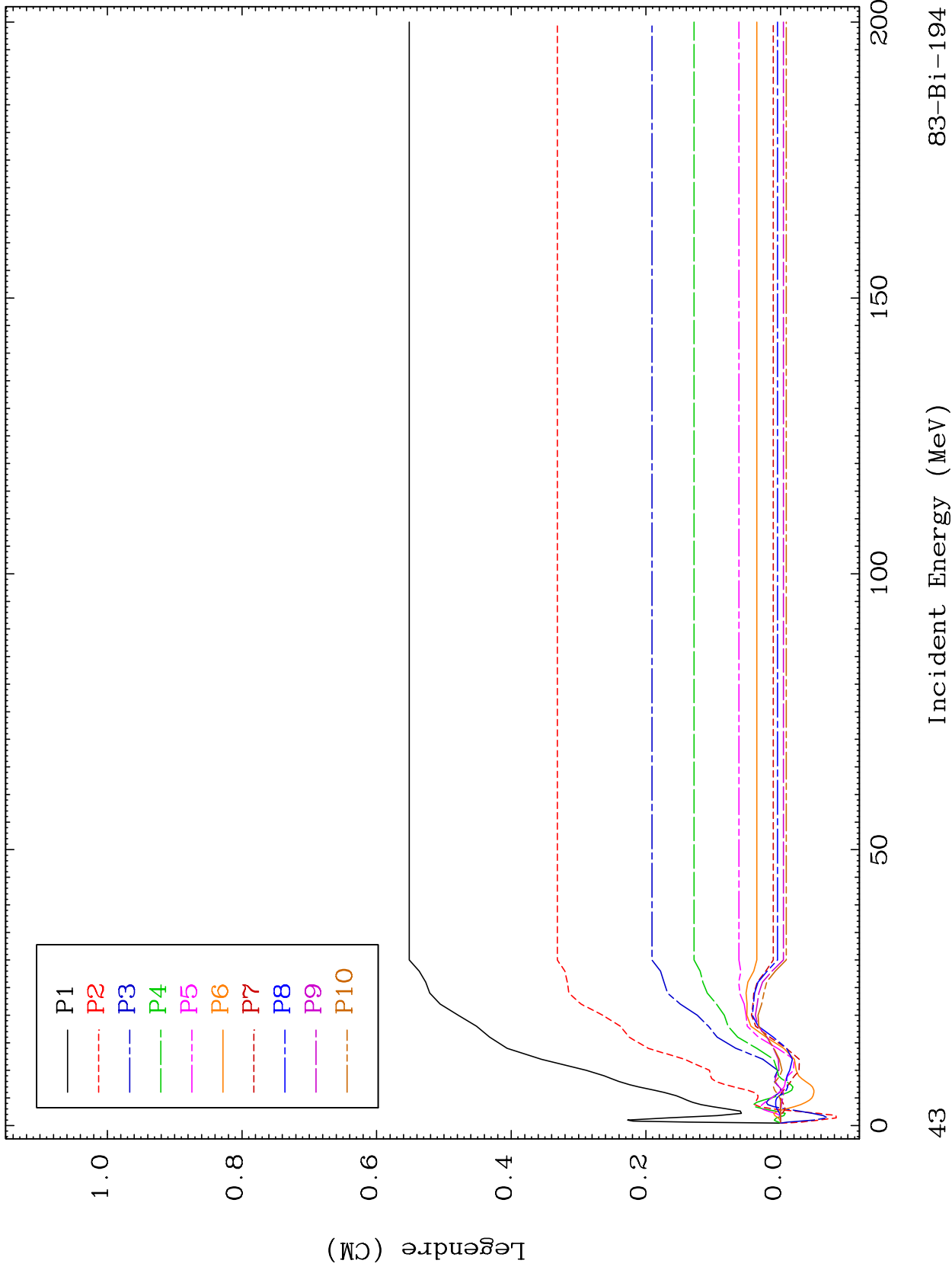
83-Bi-194



MAT 8280

418.4 keV (n, n') Level
Legendre Coefficients

83-Bi-194



43

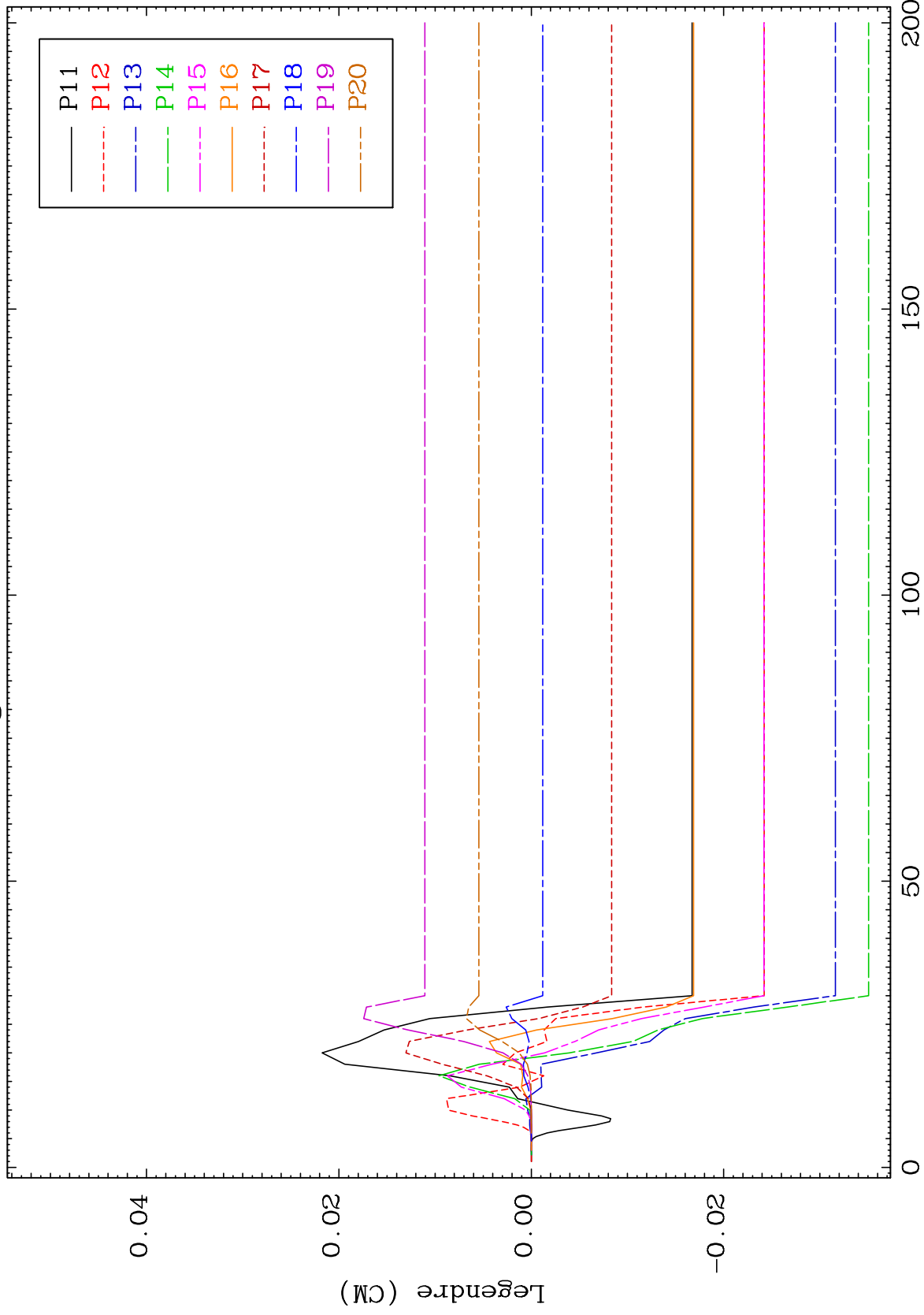
Incident Energy (MeV)

83-Bi-194

MAT 8280

418.4 keV (n,n') Level
Legendre Coefficients

83-Bi-194



44

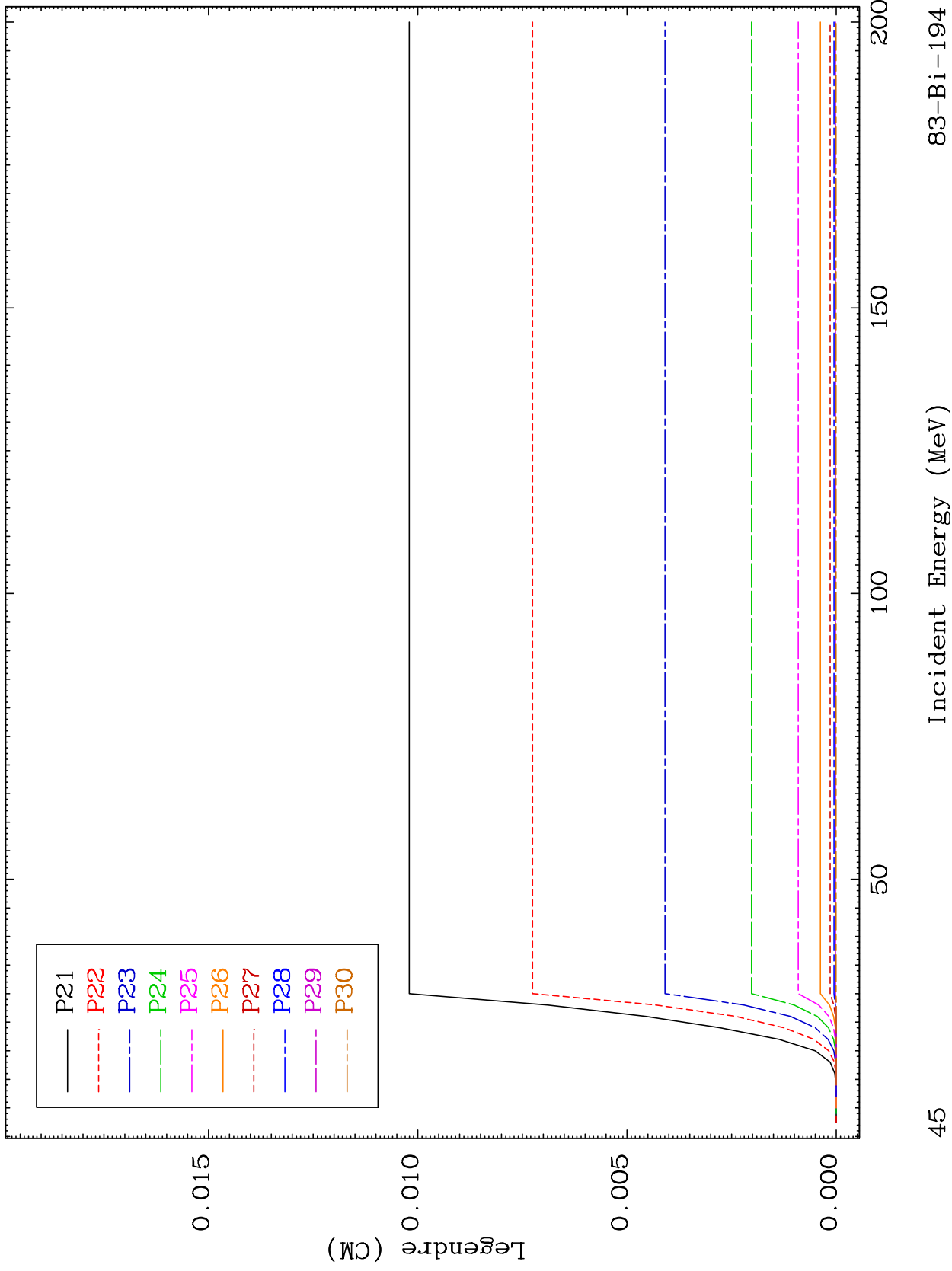
Incident Energy (MeV)

83-Bi-194

MAT 8280

418.4 keV (n,n') Level
Legendre Coefficients

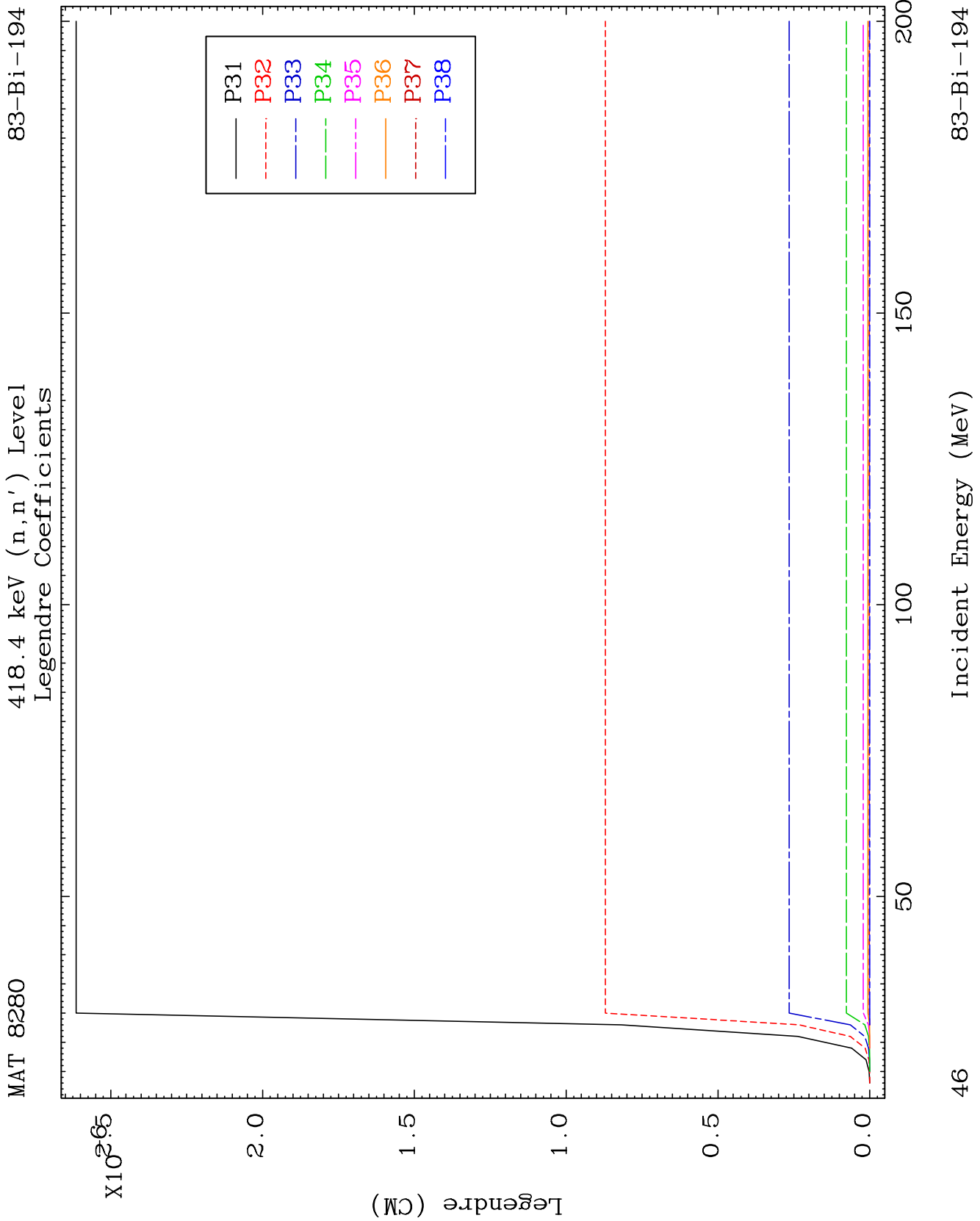
83-Bi-194



45

Incident Energy (MeV)

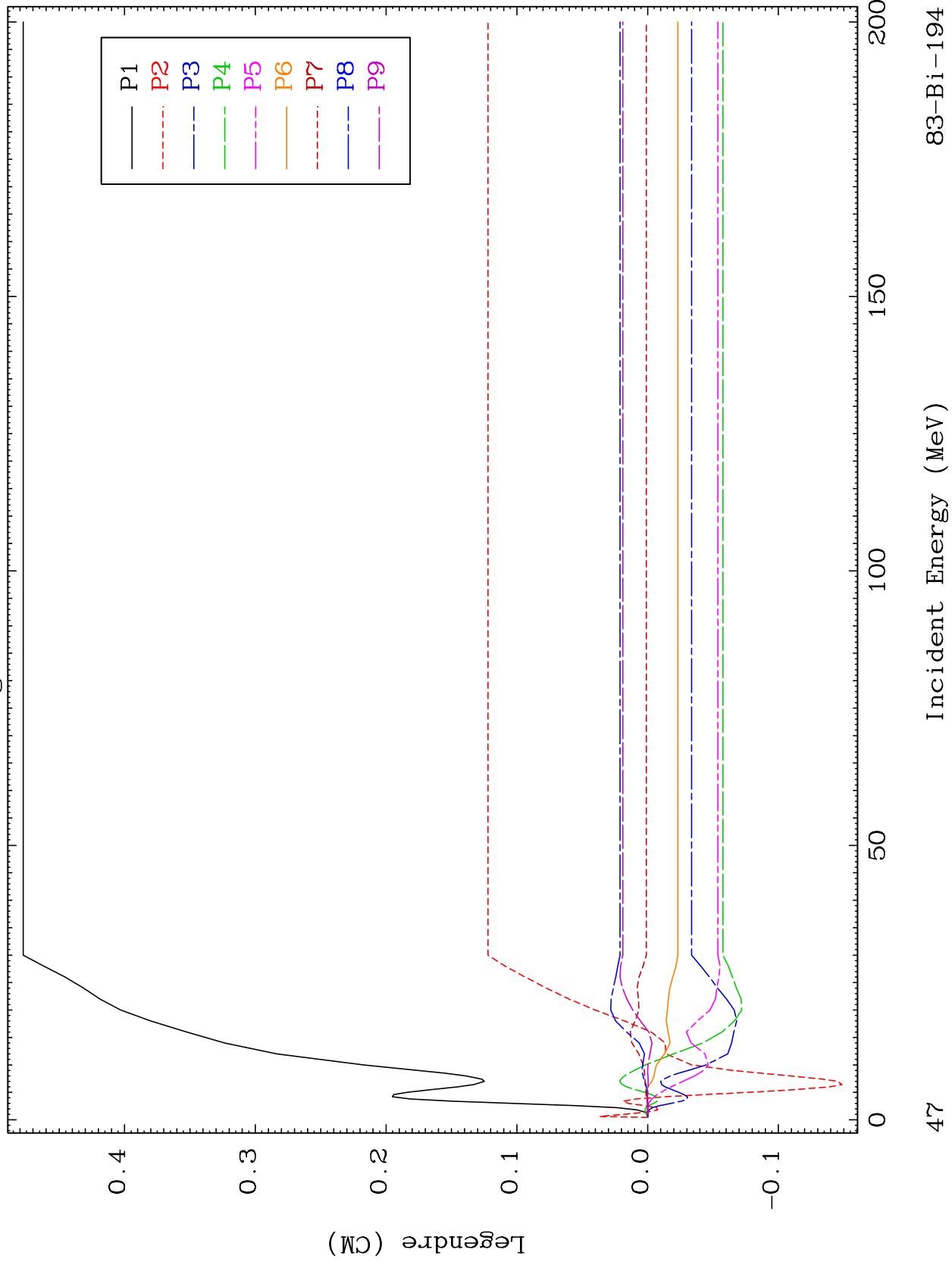
83-Bi-194



MAT 8280

431.1 keV (n,n') Level
Legendre Coefficients

83-Bi-194



83-Bi-194

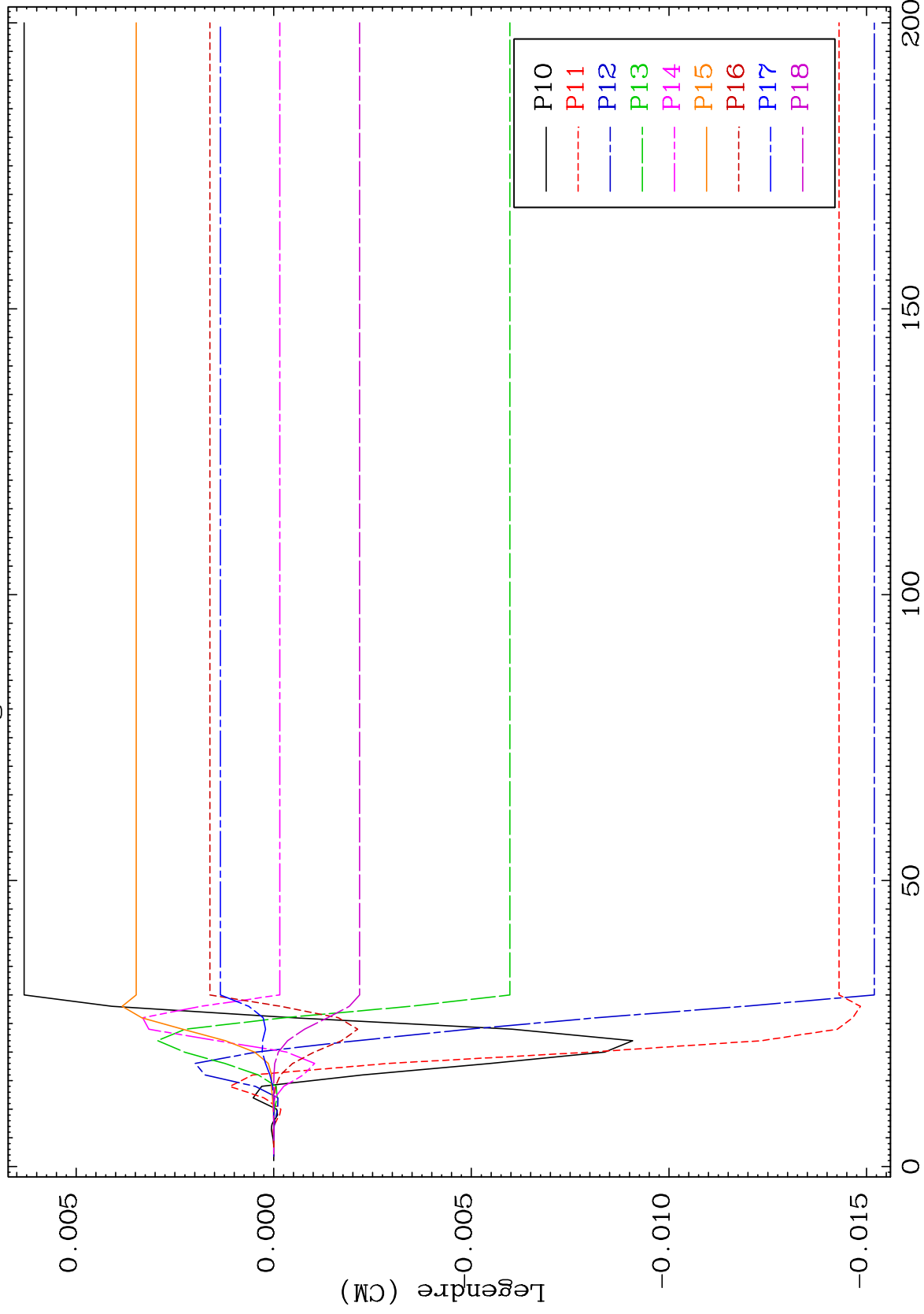
Incident Energy (MeV)

47

MAT 8280

431.1 keV (n,n') Level
Legendre Coefficients

83-Bi-194



48

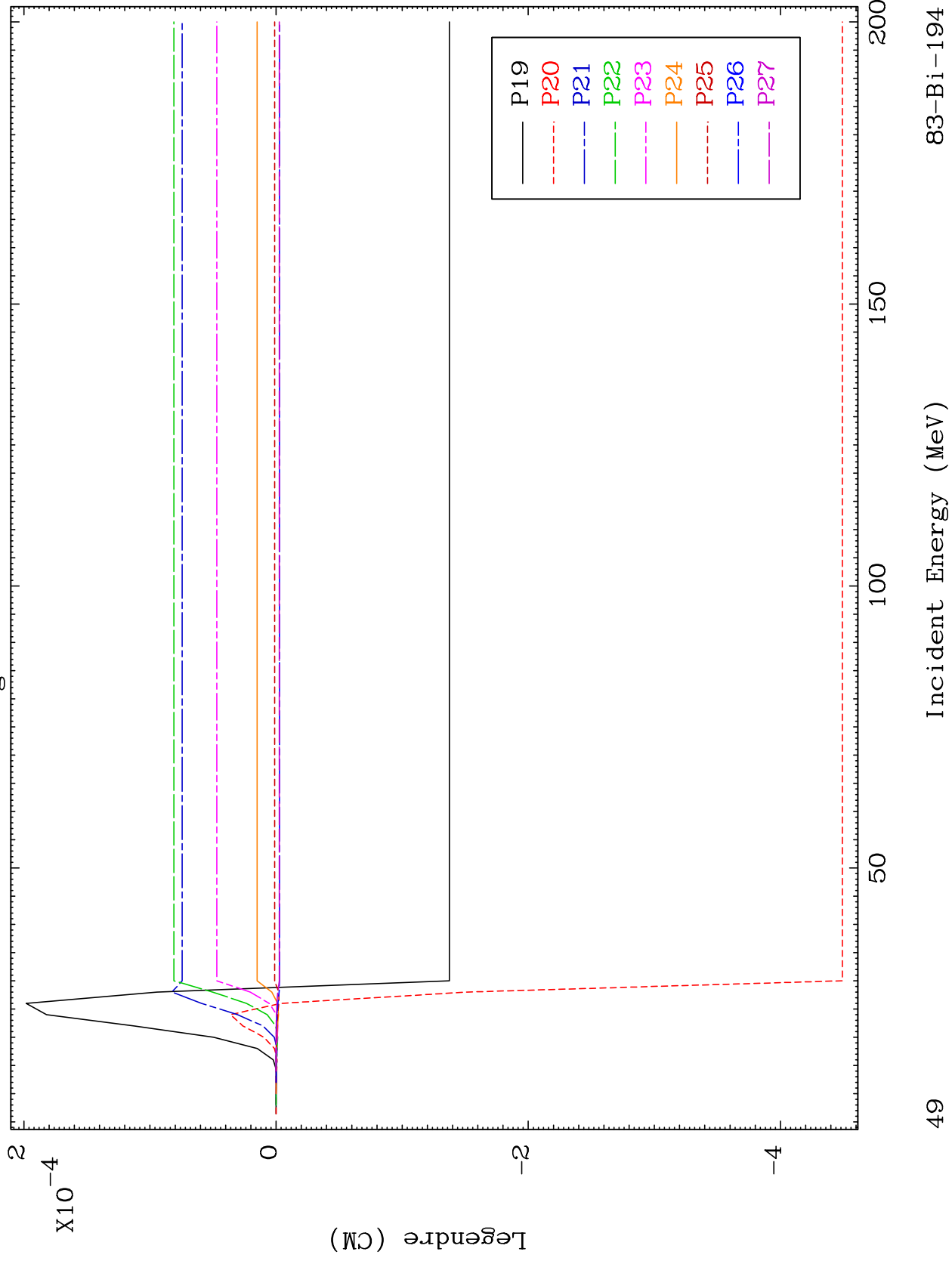
Incident Energy (MeV)

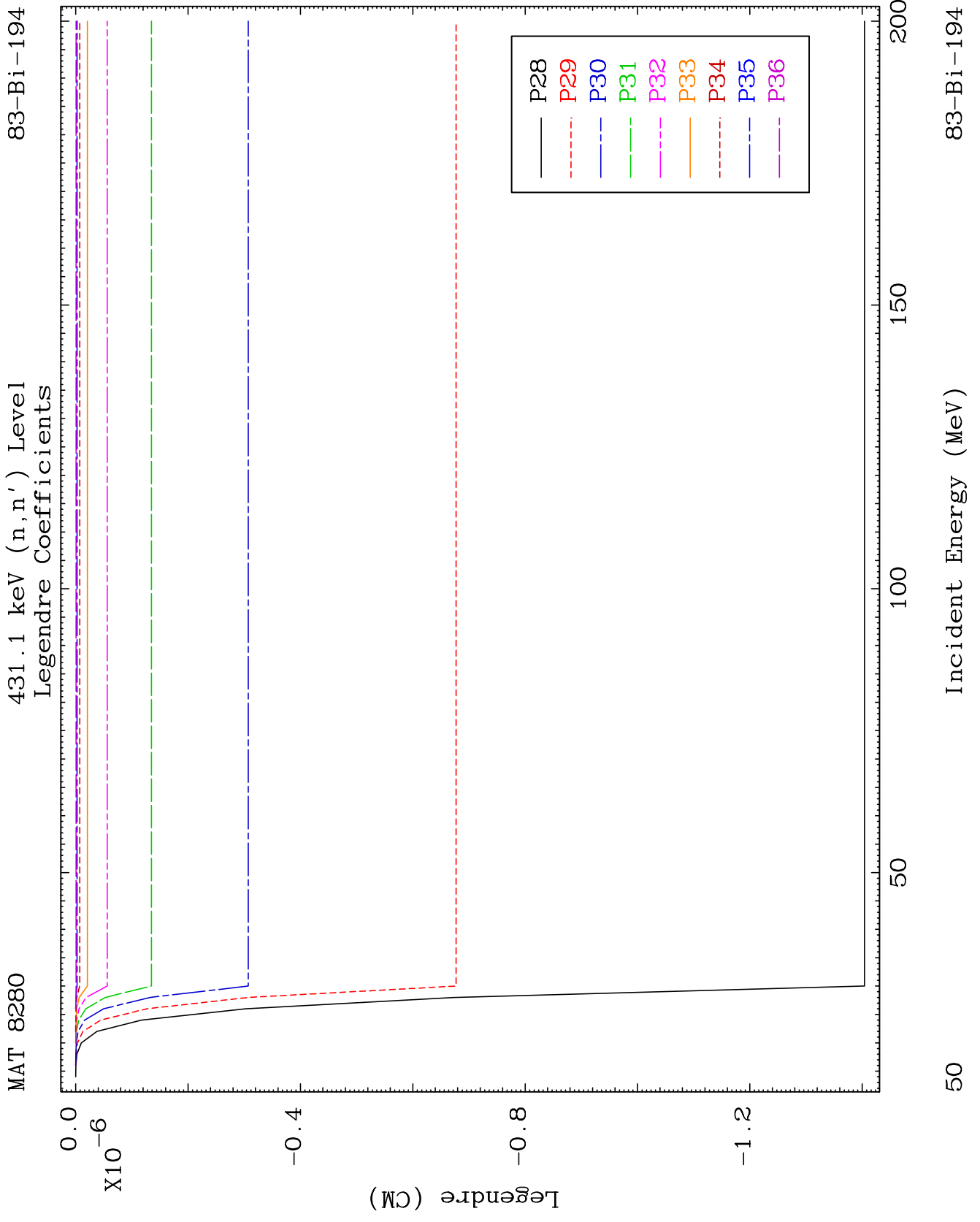
83-Bi-194

MAT 8280

431.1 keV (n,n') Level
Legendre Coefficients

83-Bi-194

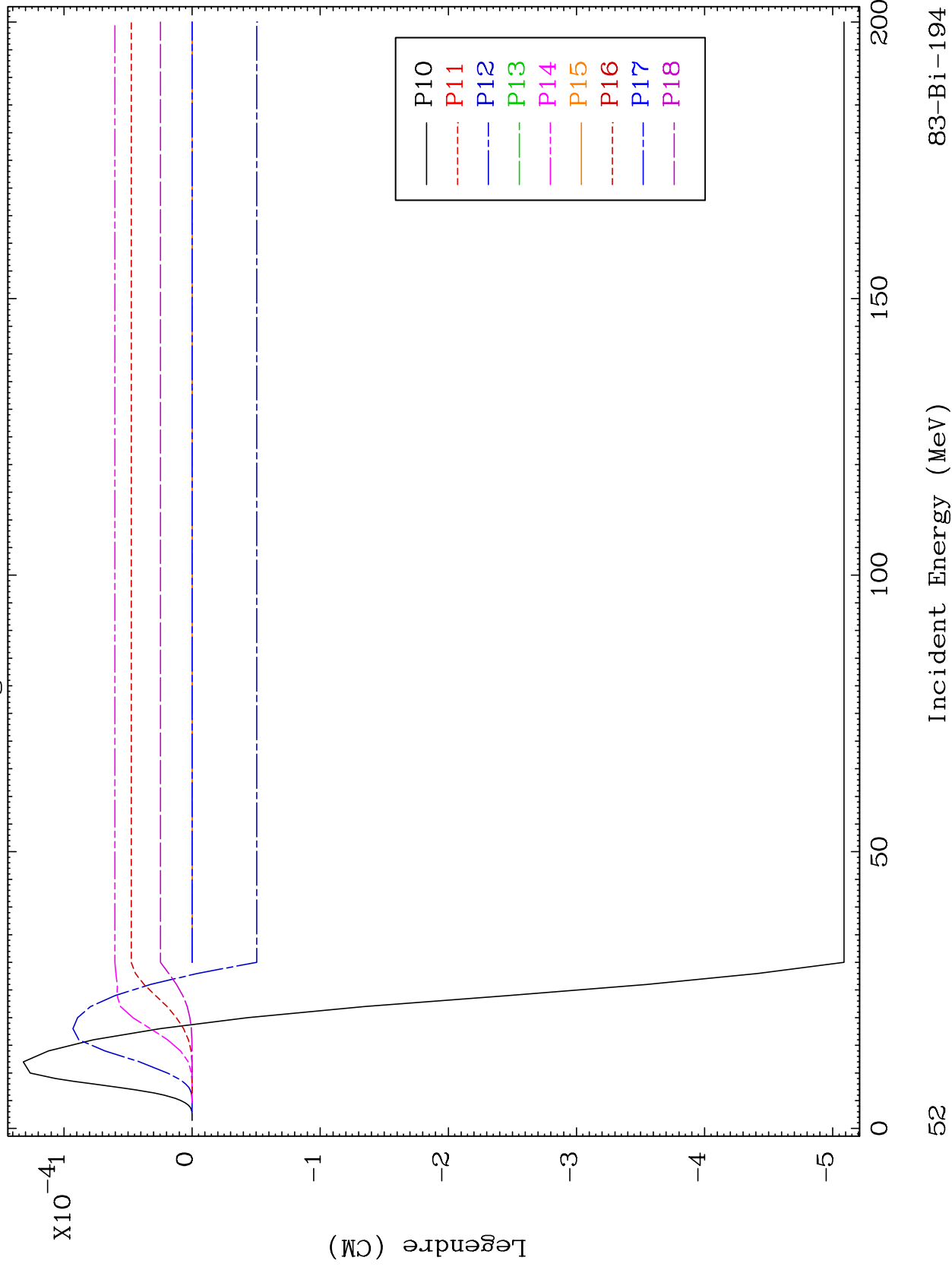




MAT 8280

458.9 keV (n,n') Level
Legendre Coefficients

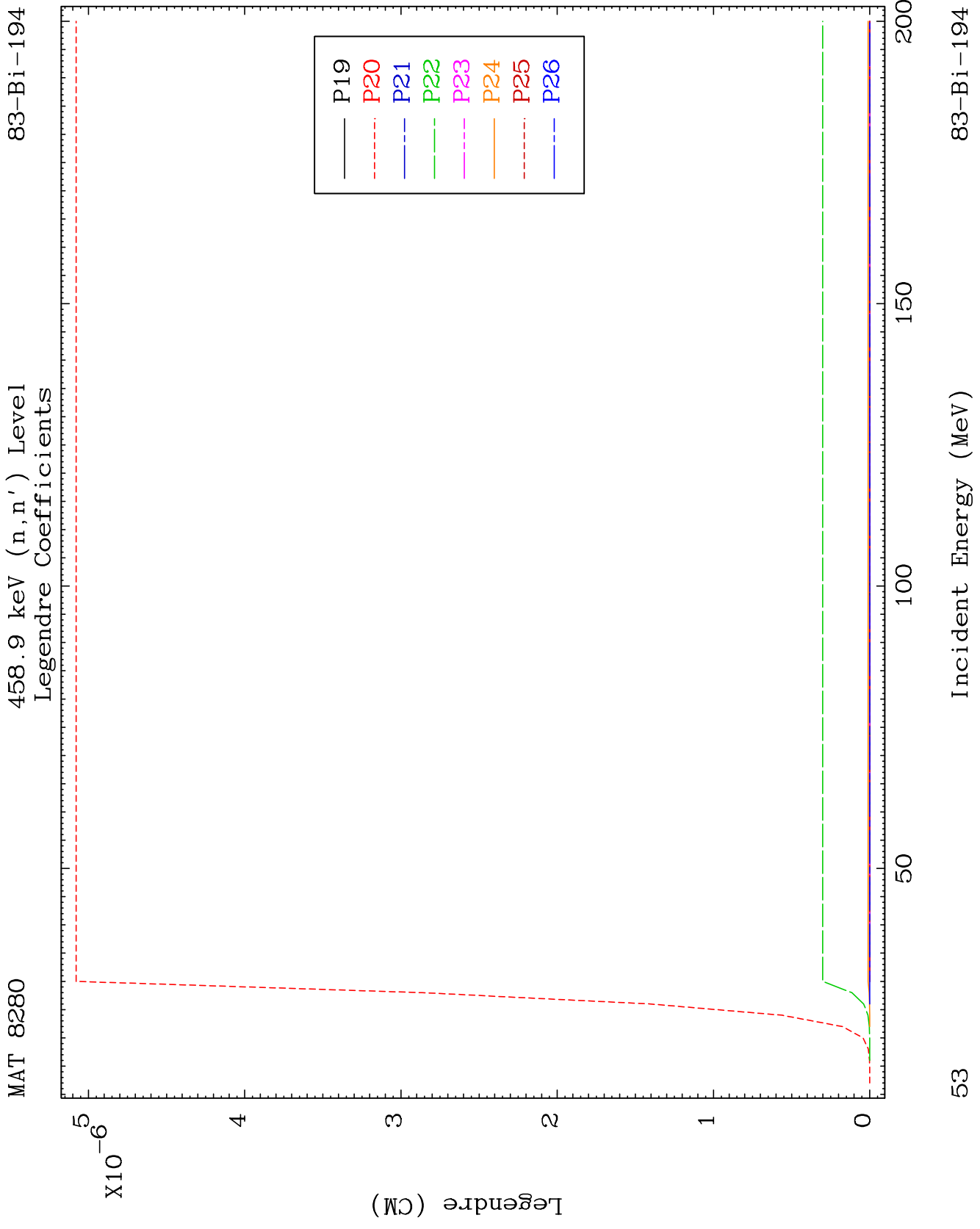
83-Bi-194

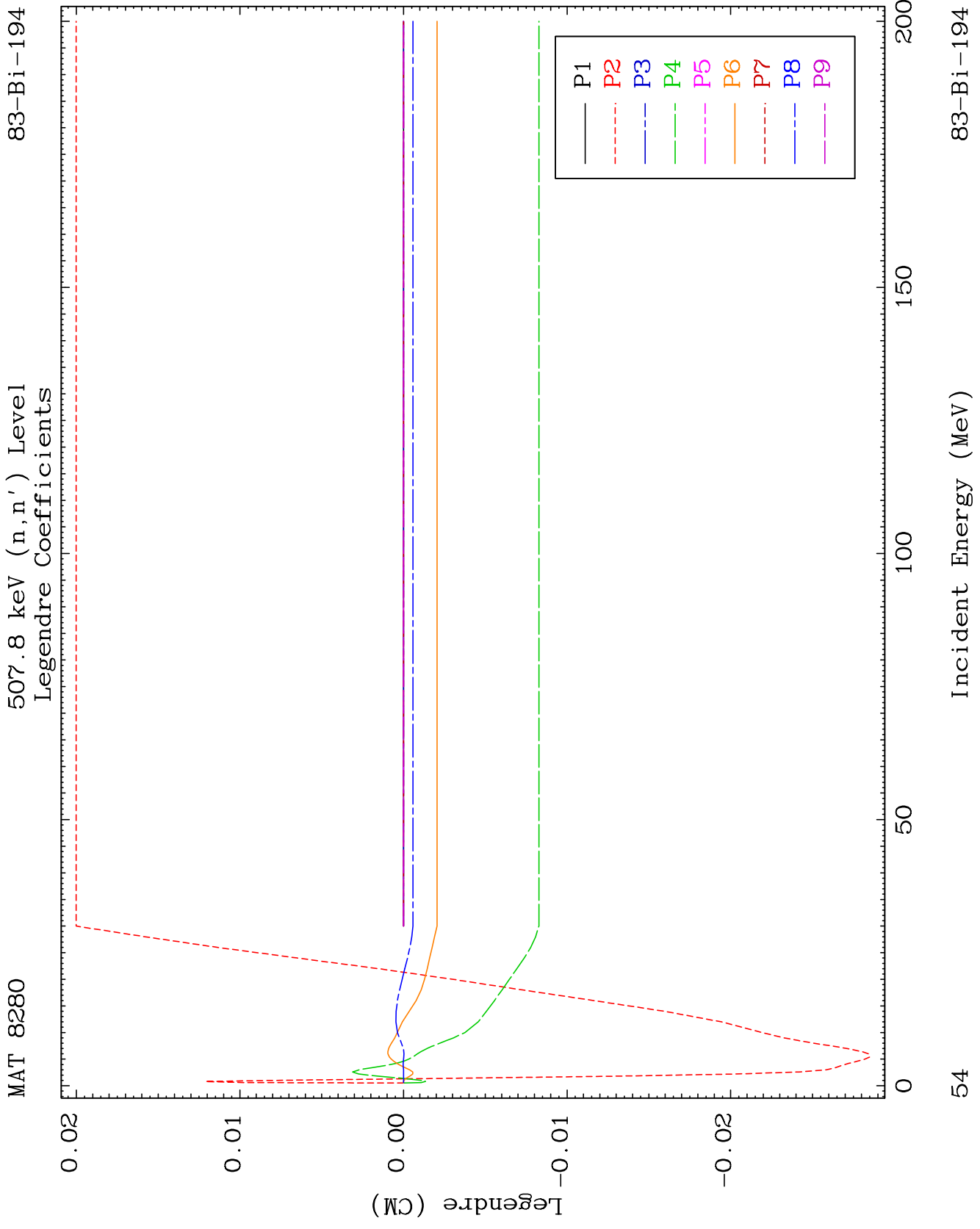


52

Incident Energy (MeV)

83-Bi-194

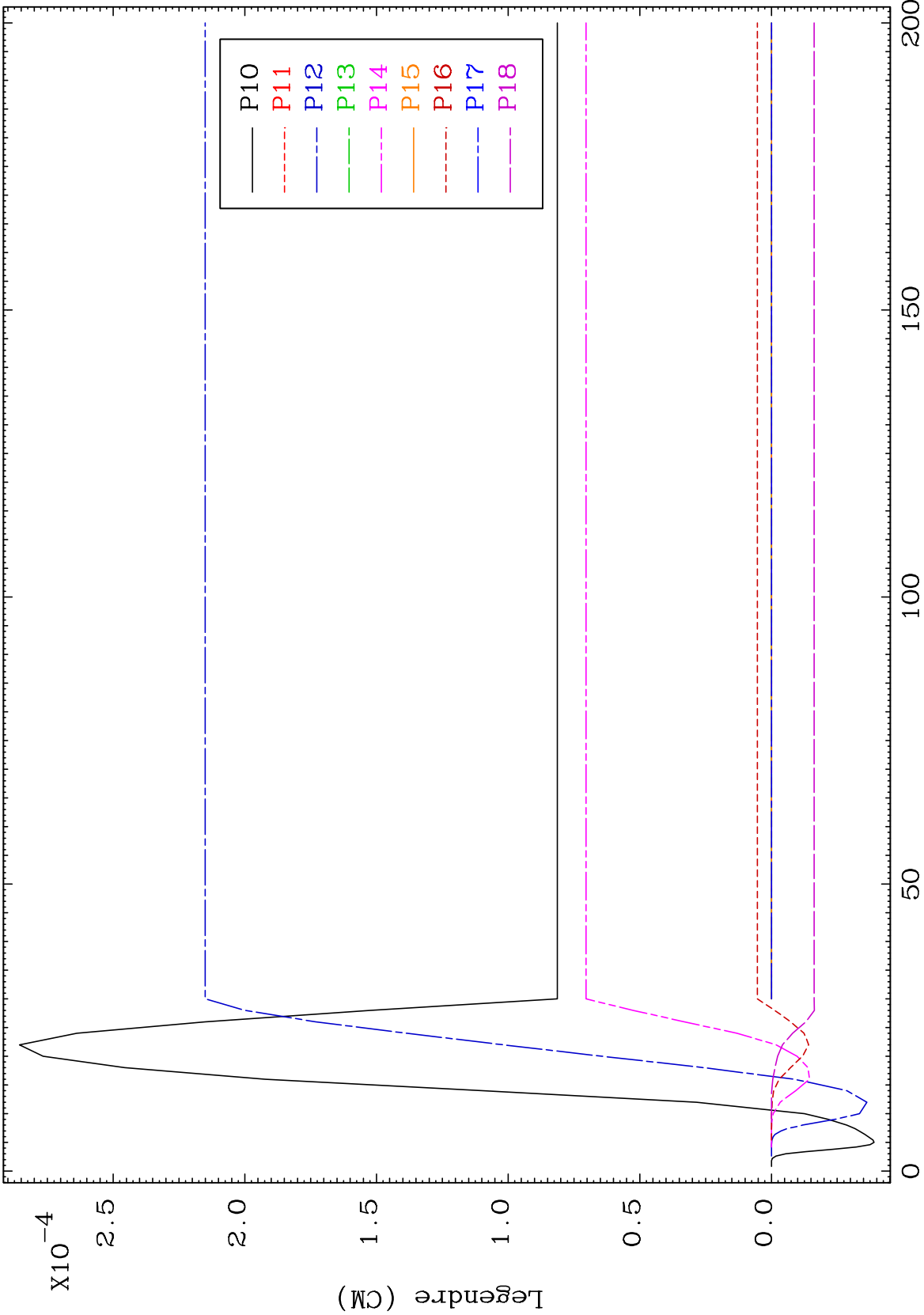




MAT 8280

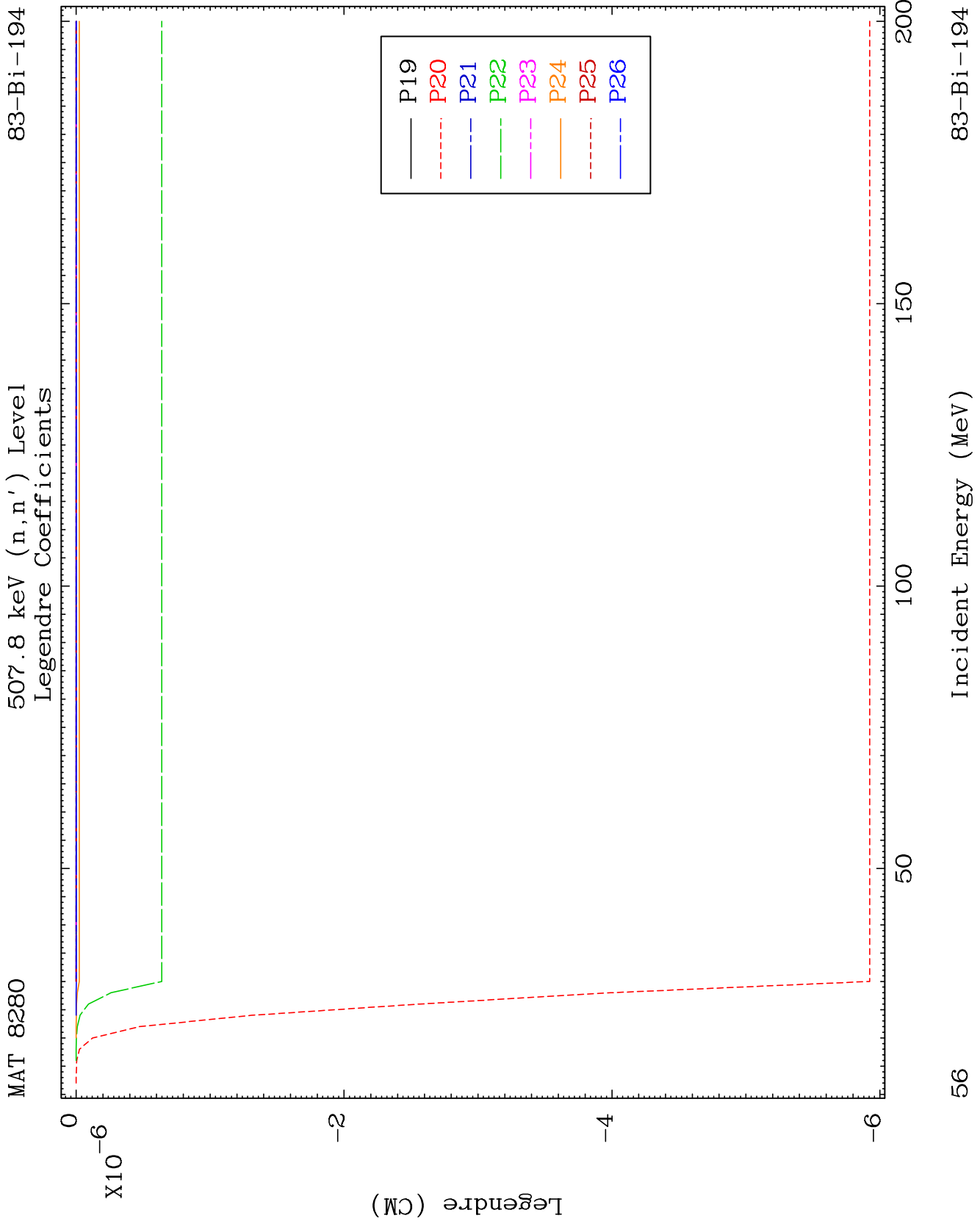
507.8 keV (n,n') Level
Legendre Coefficients

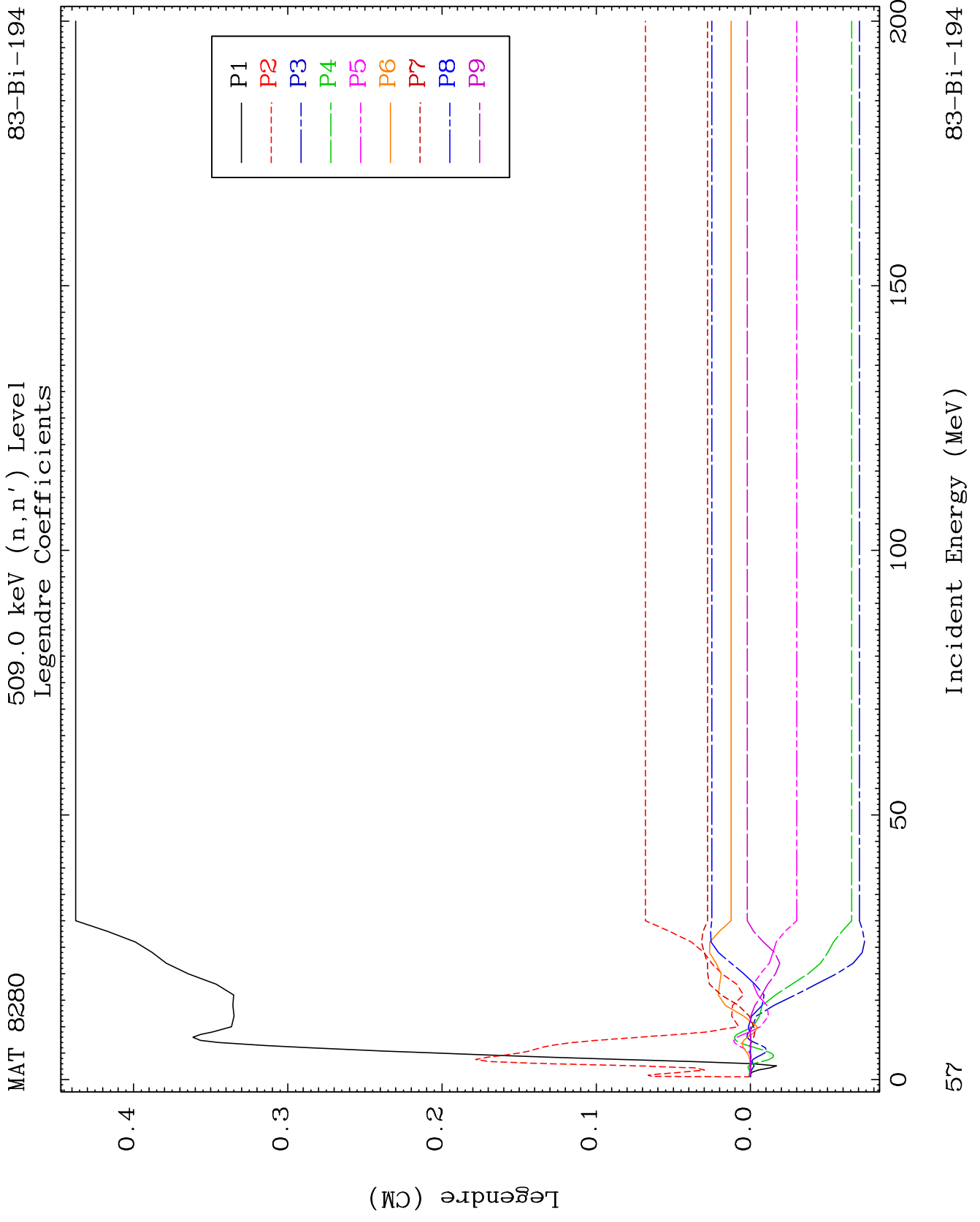
83-Bi-194

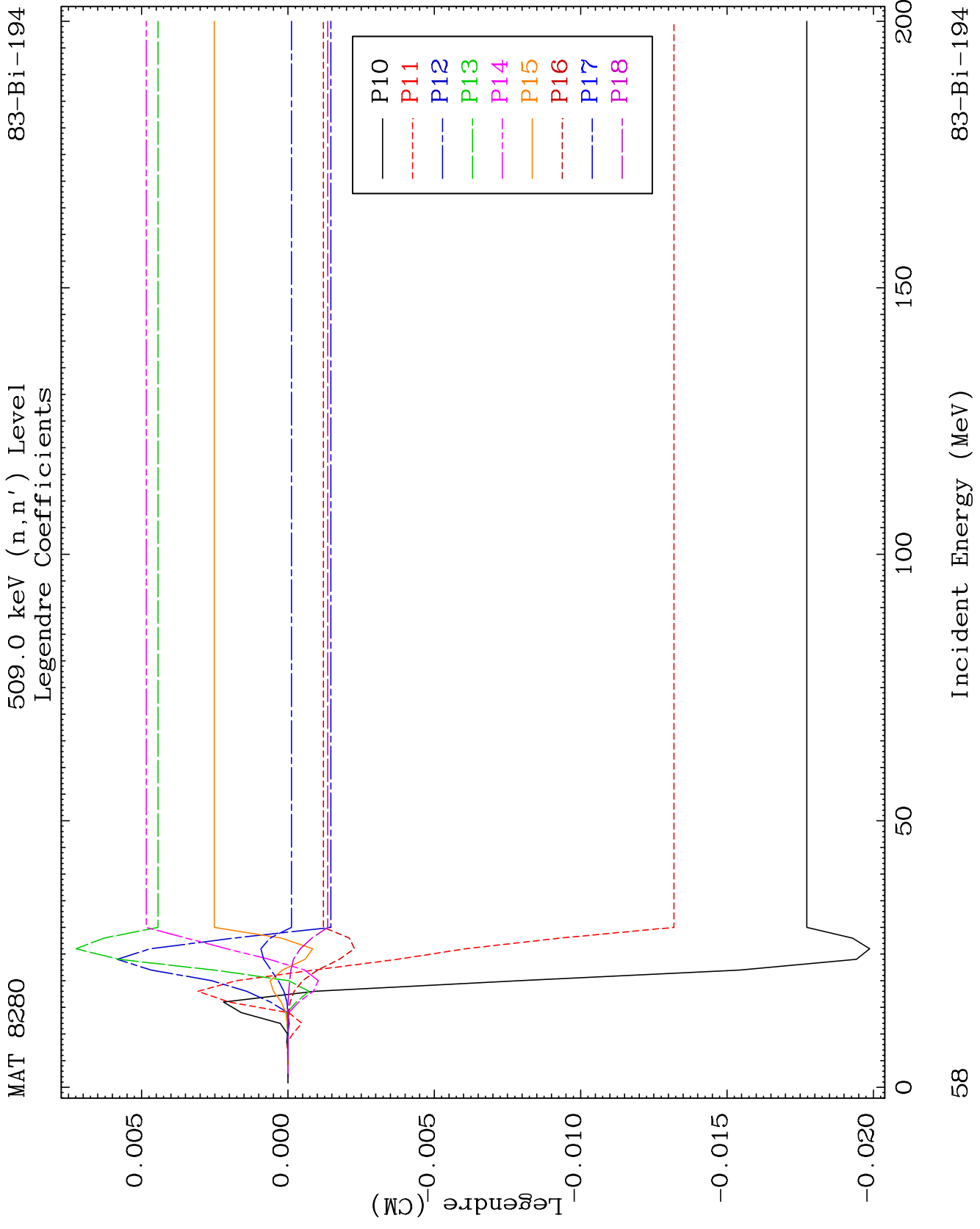


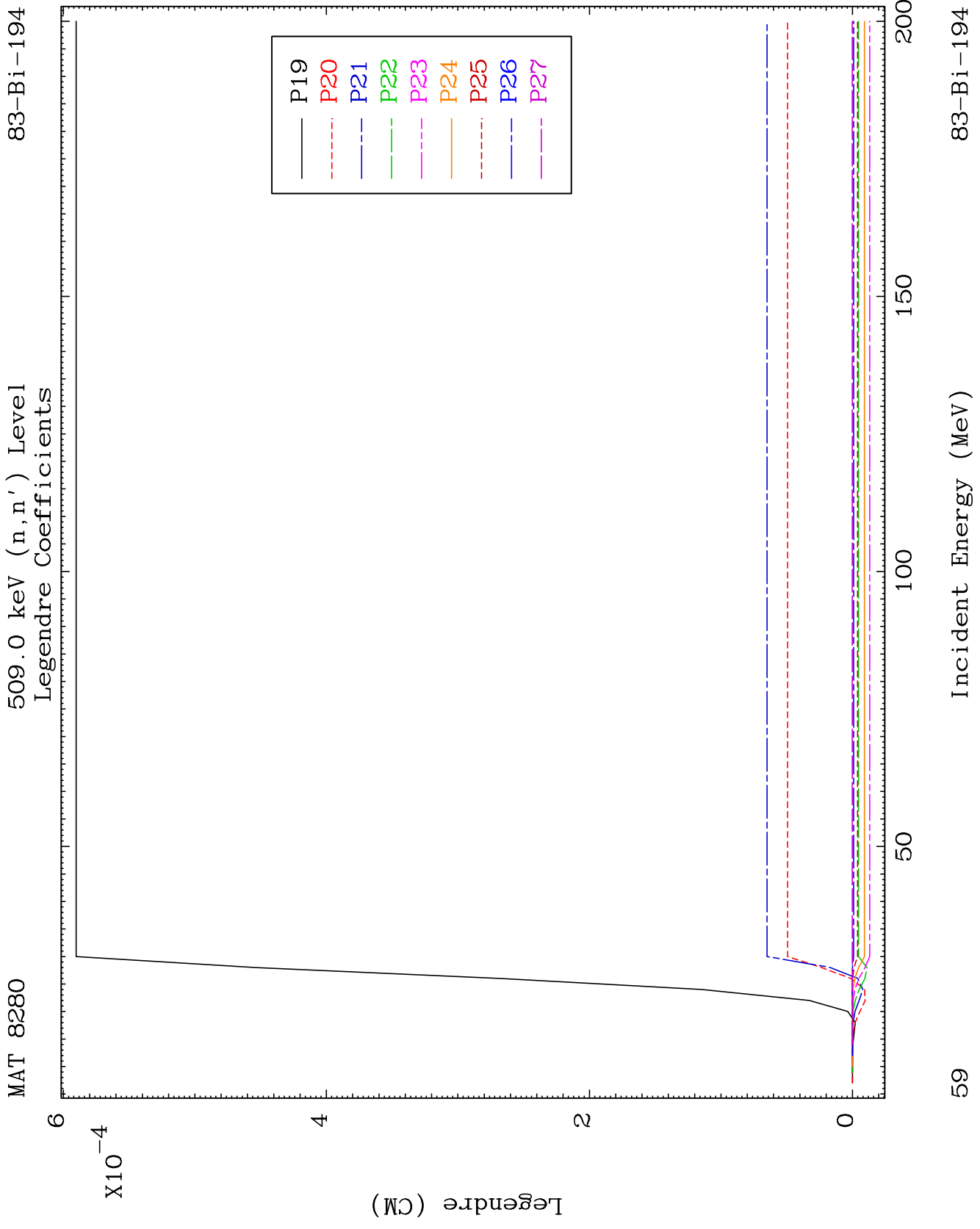
55

83-Bi-194





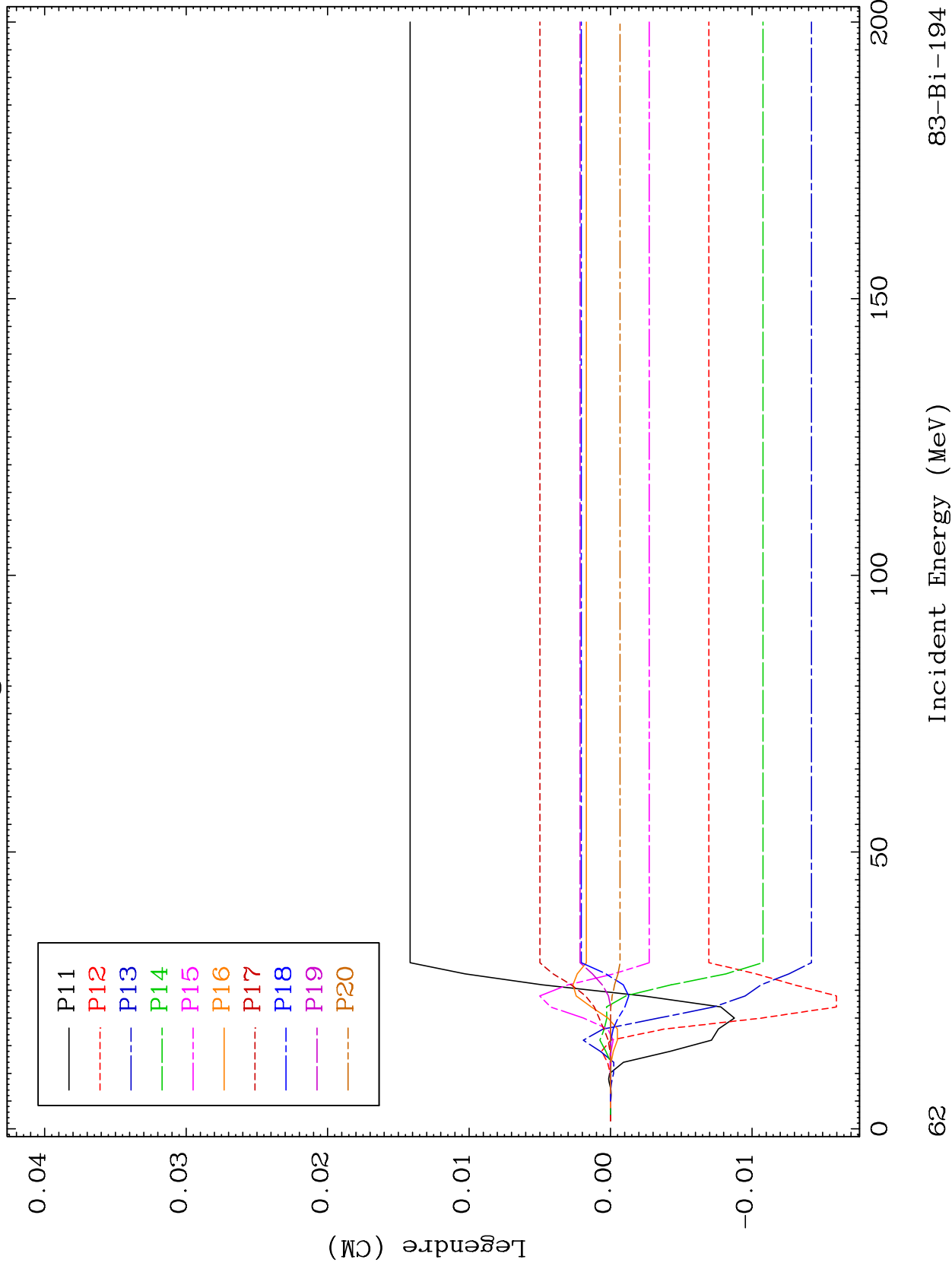




MAT 8280

515.7 keV (n,n') Level
Legendre Coefficients

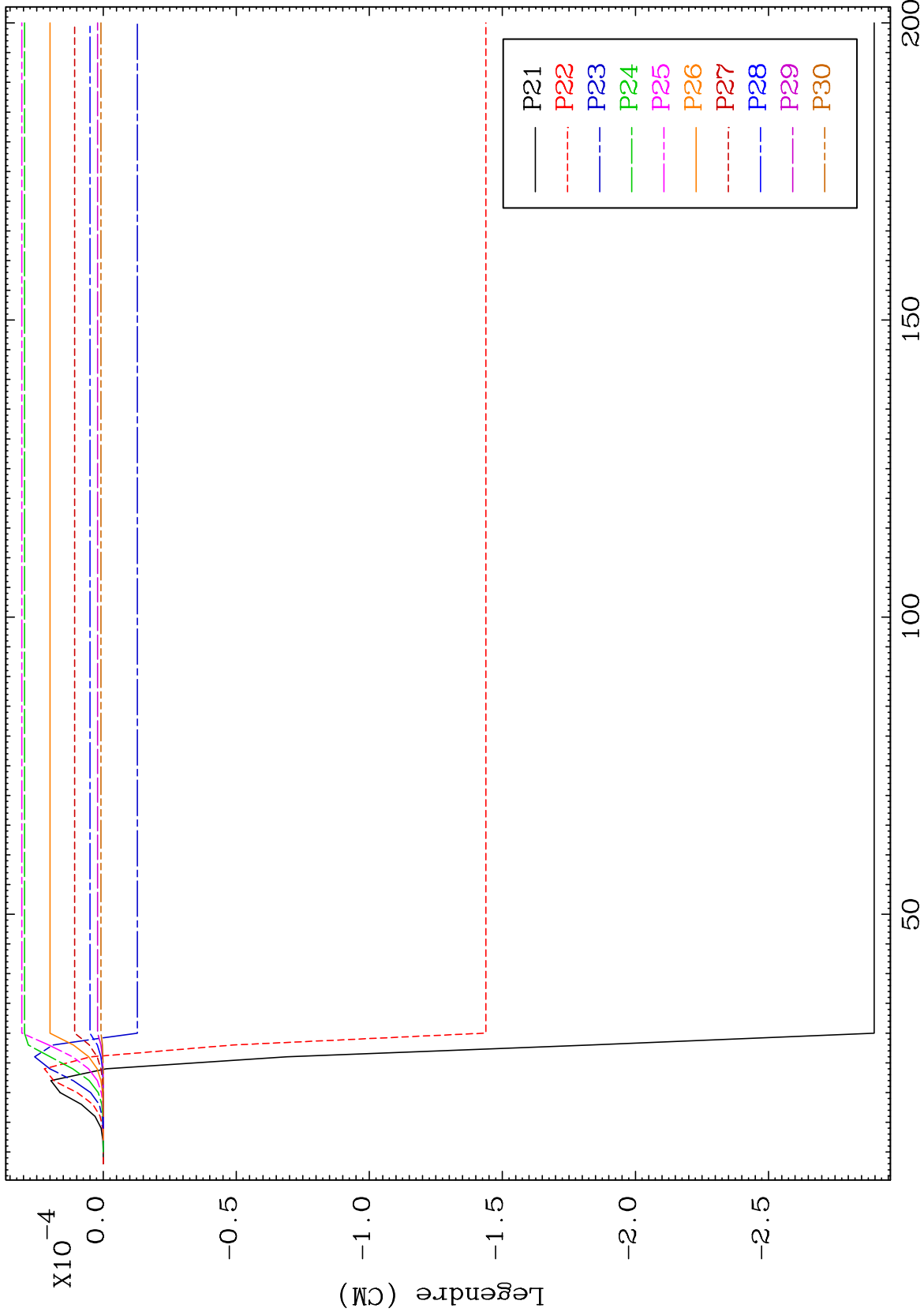
83-Bi-194



83-Bi-194

Incident Energy (MeV)

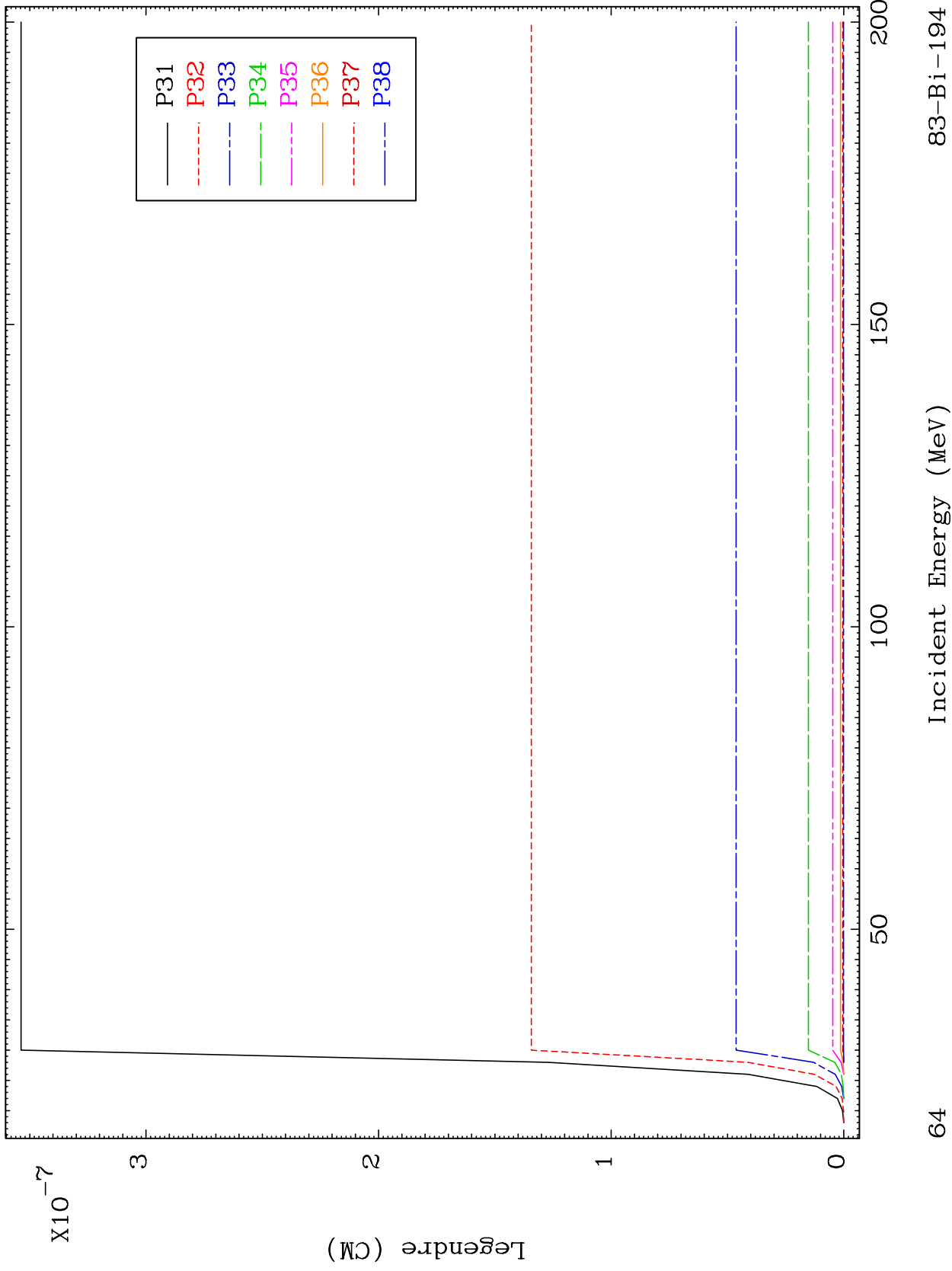
62



MAT 8280

515.7 keV (n,n') Level
Legendre Coefficients

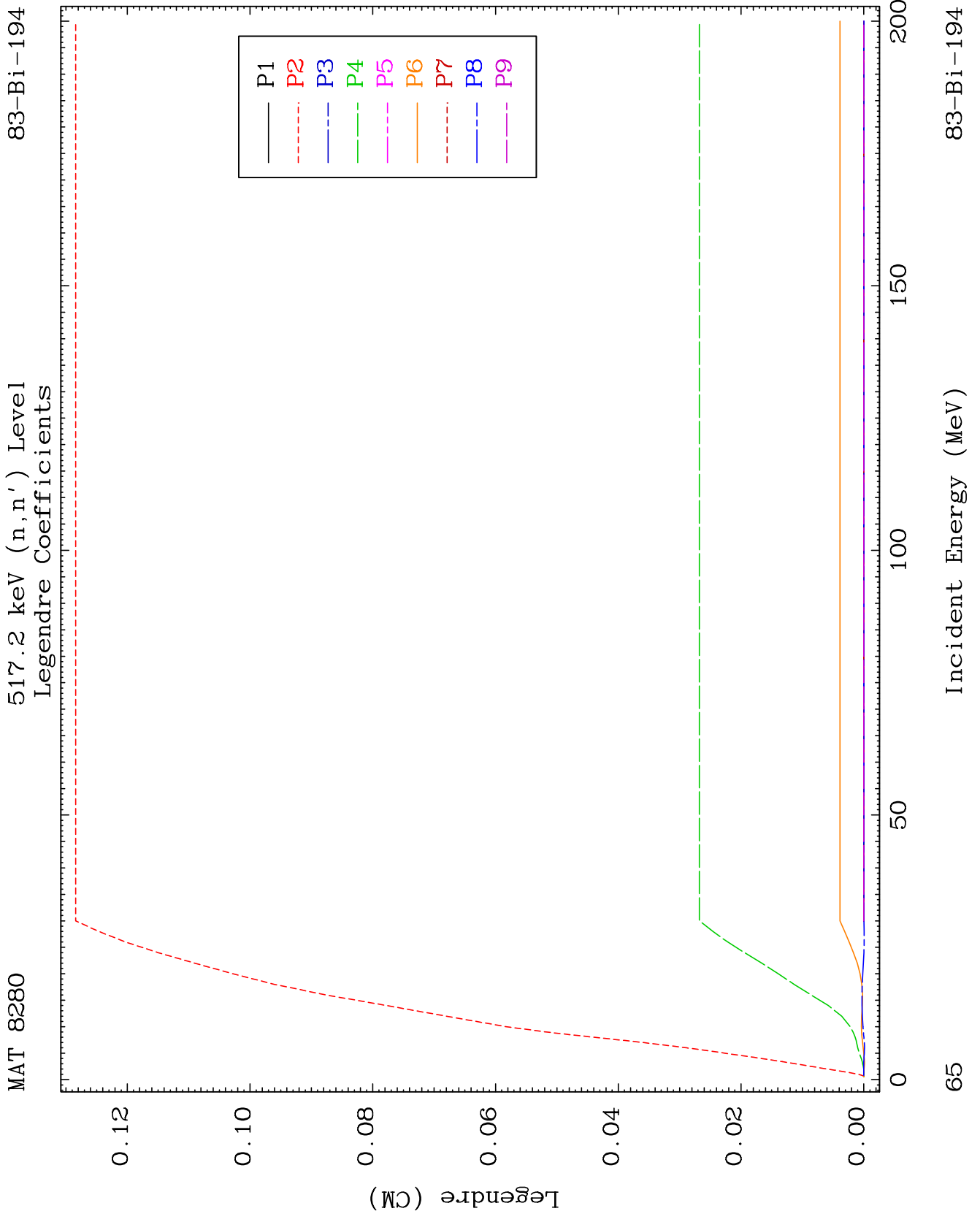
83-Bi-194



64

Incident Energy (MeV)

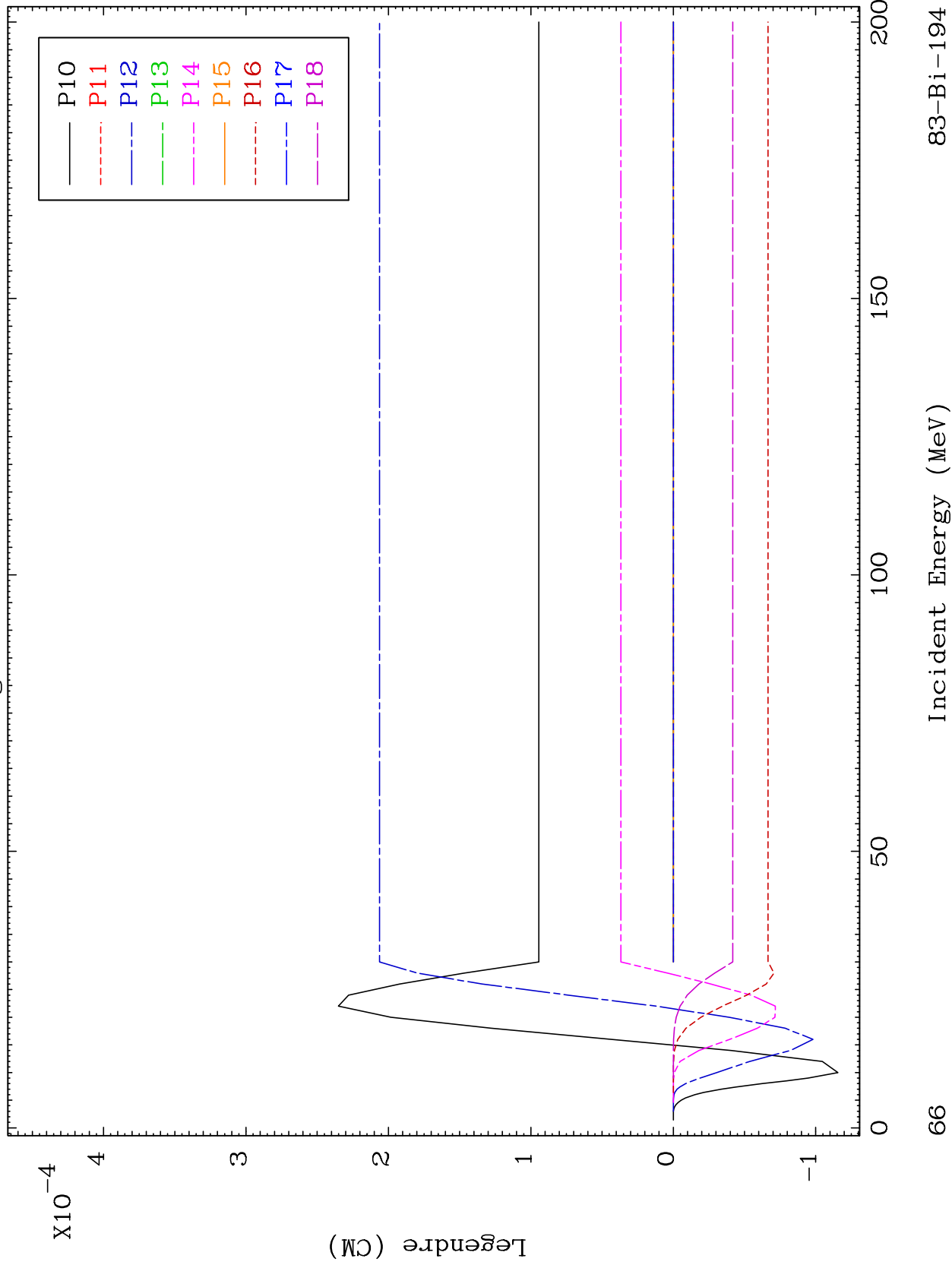
83-Bi-194



MAT 8280

517.2 keV (n,n') Level
Legendre Coefficients

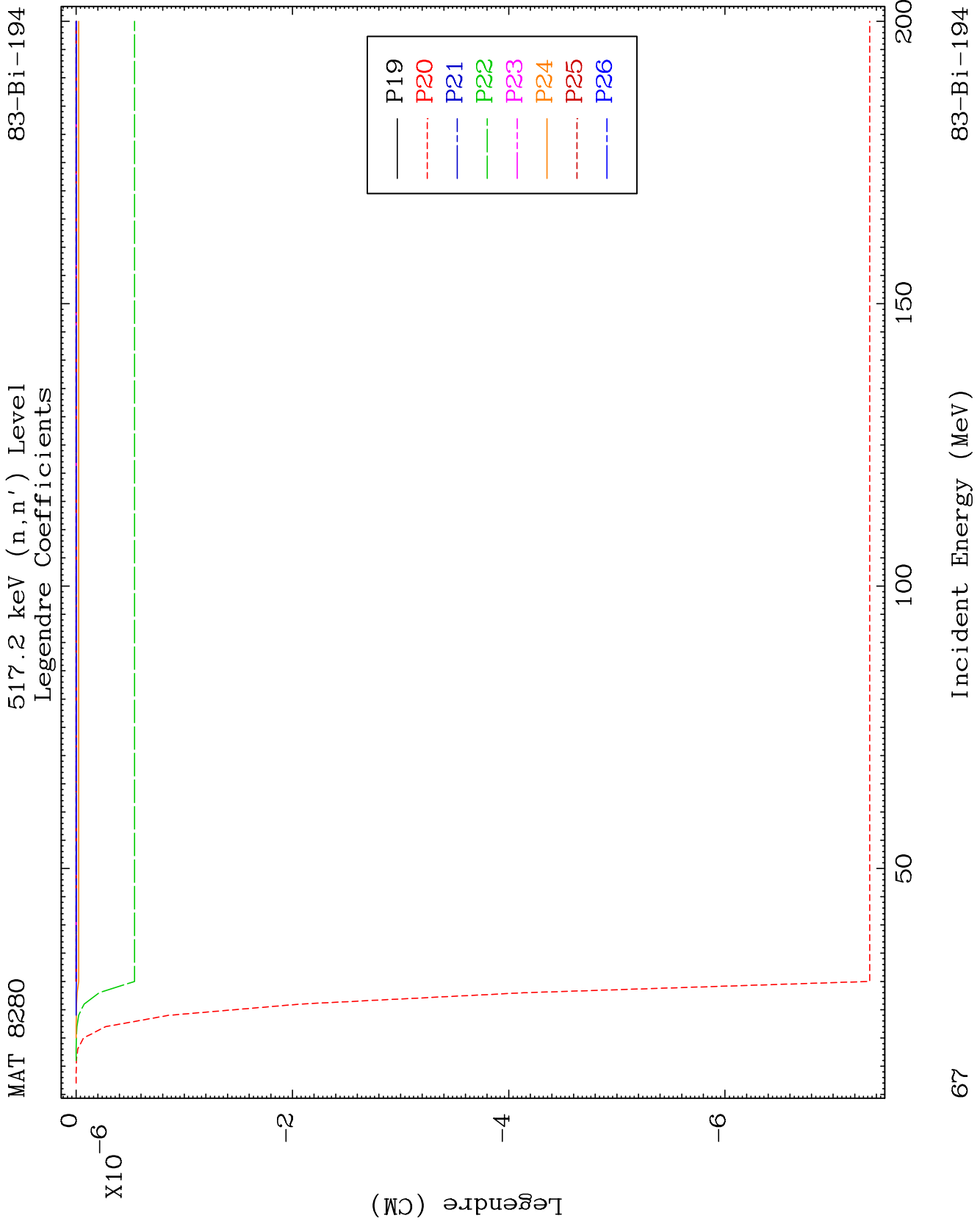
83-Bi-194

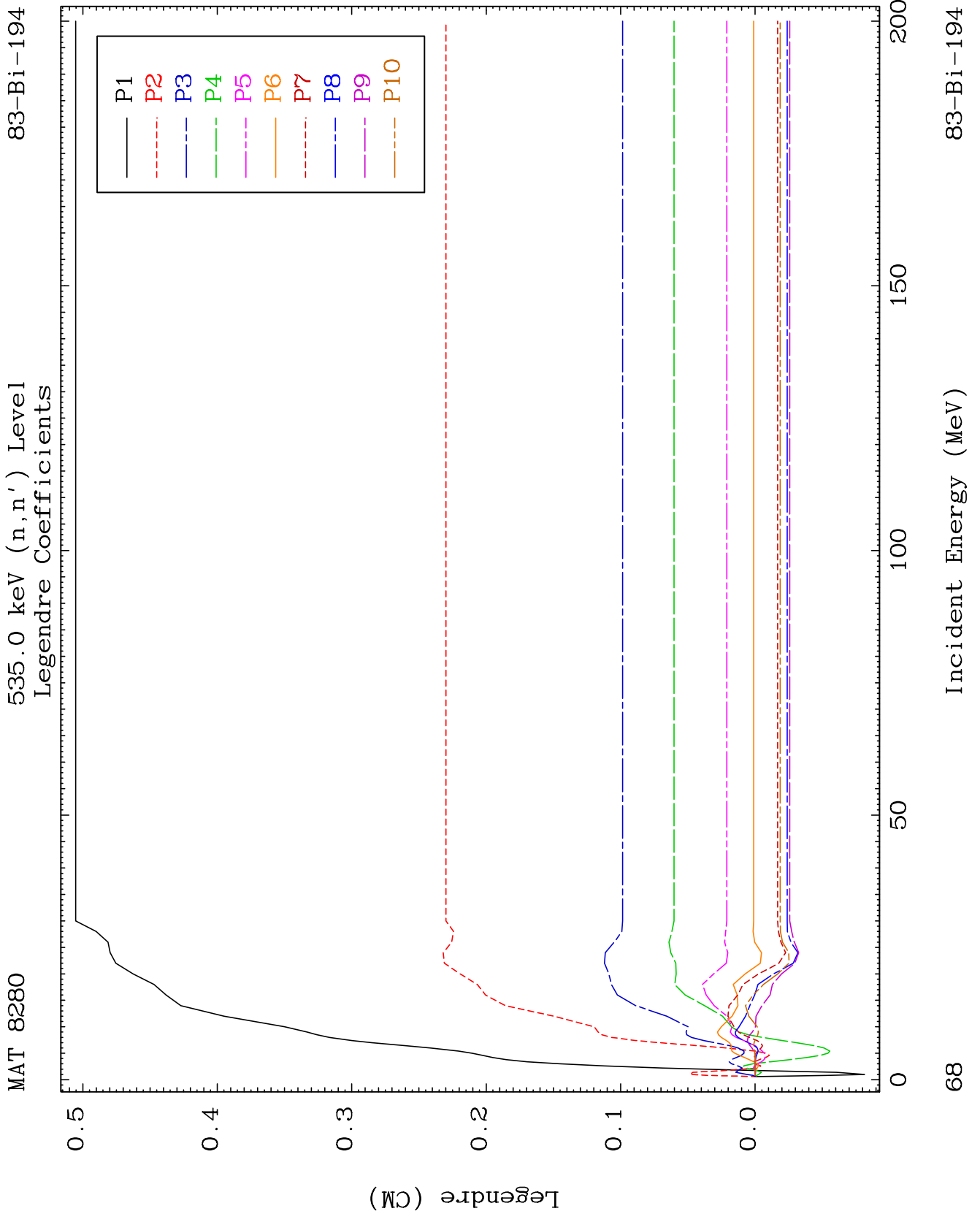


83-Bi-194

Incident Energy (MeV)

66

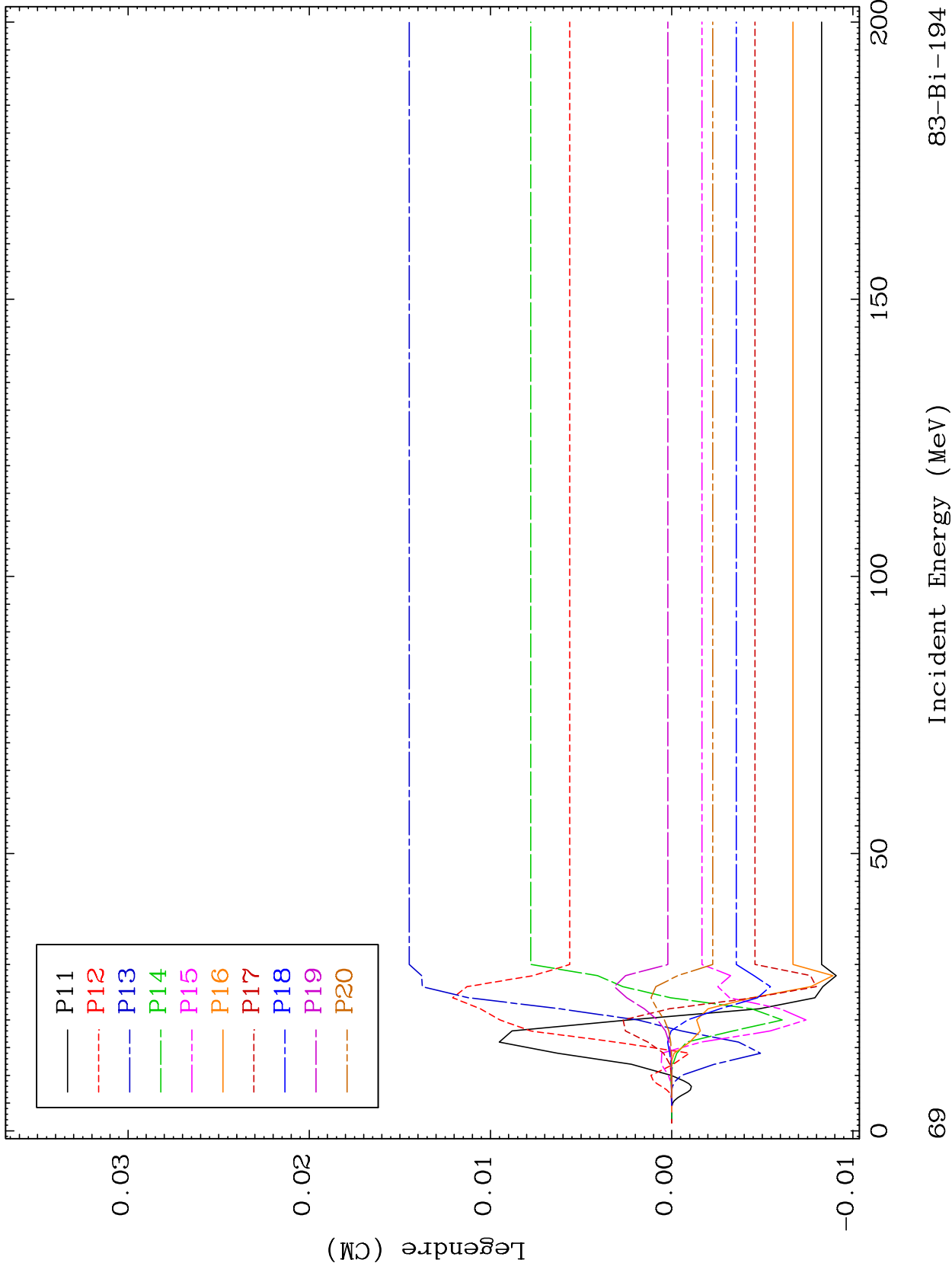




MAT 8280

535.0 keV (n,n') Level
Legendre Coefficients

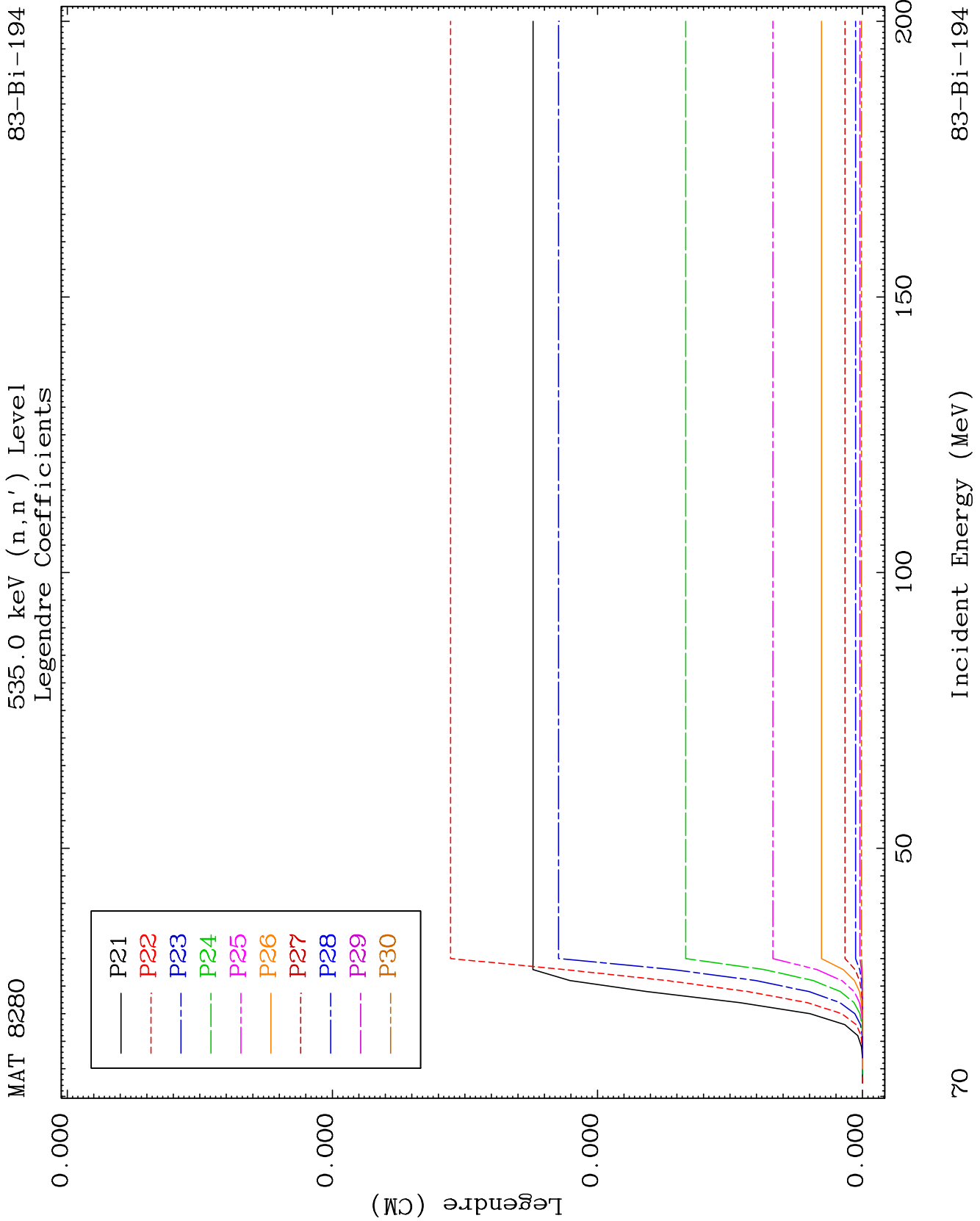
83-Bi-194

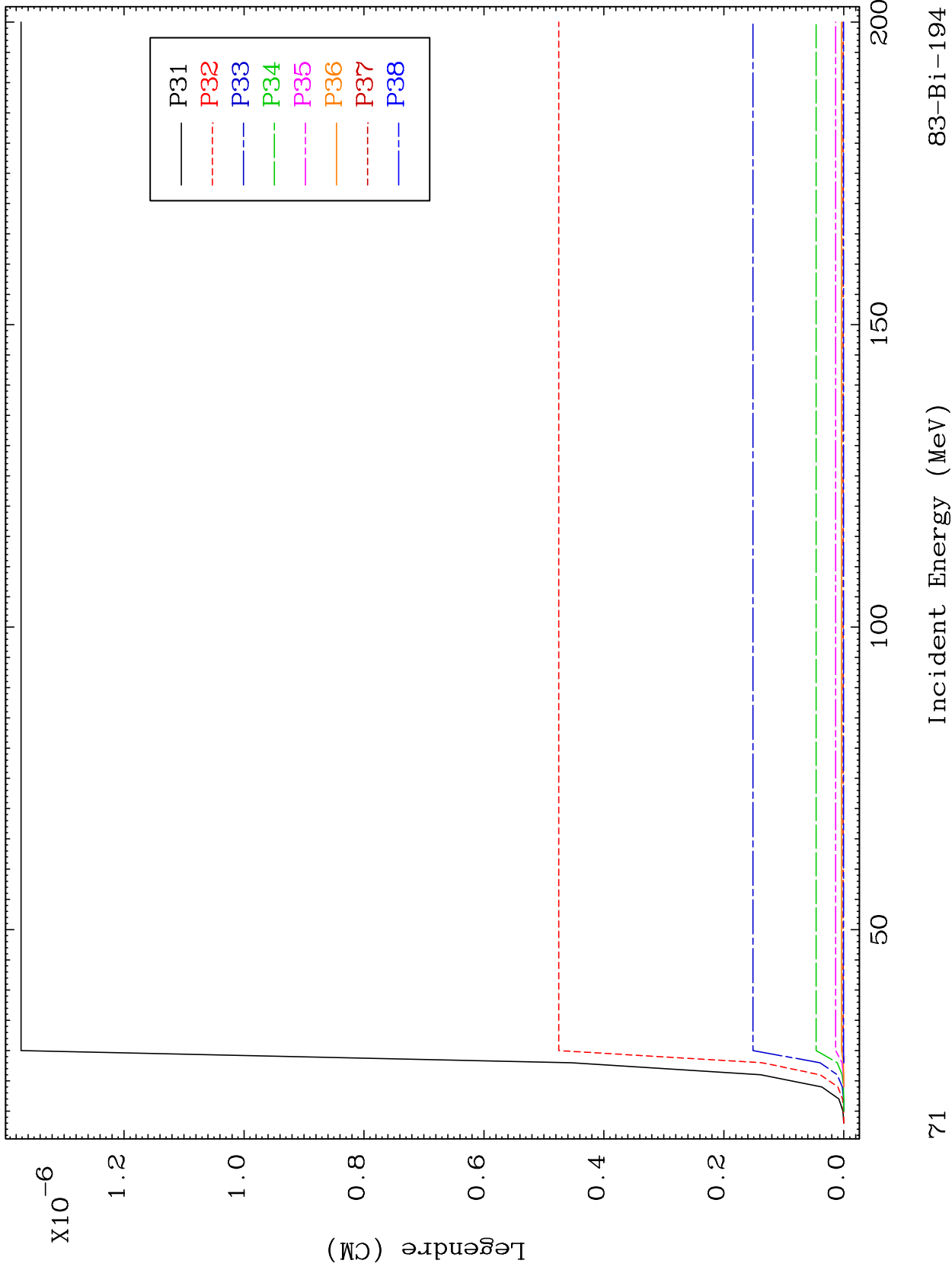


69

Incident Energy (MeV)

83-Bi-194

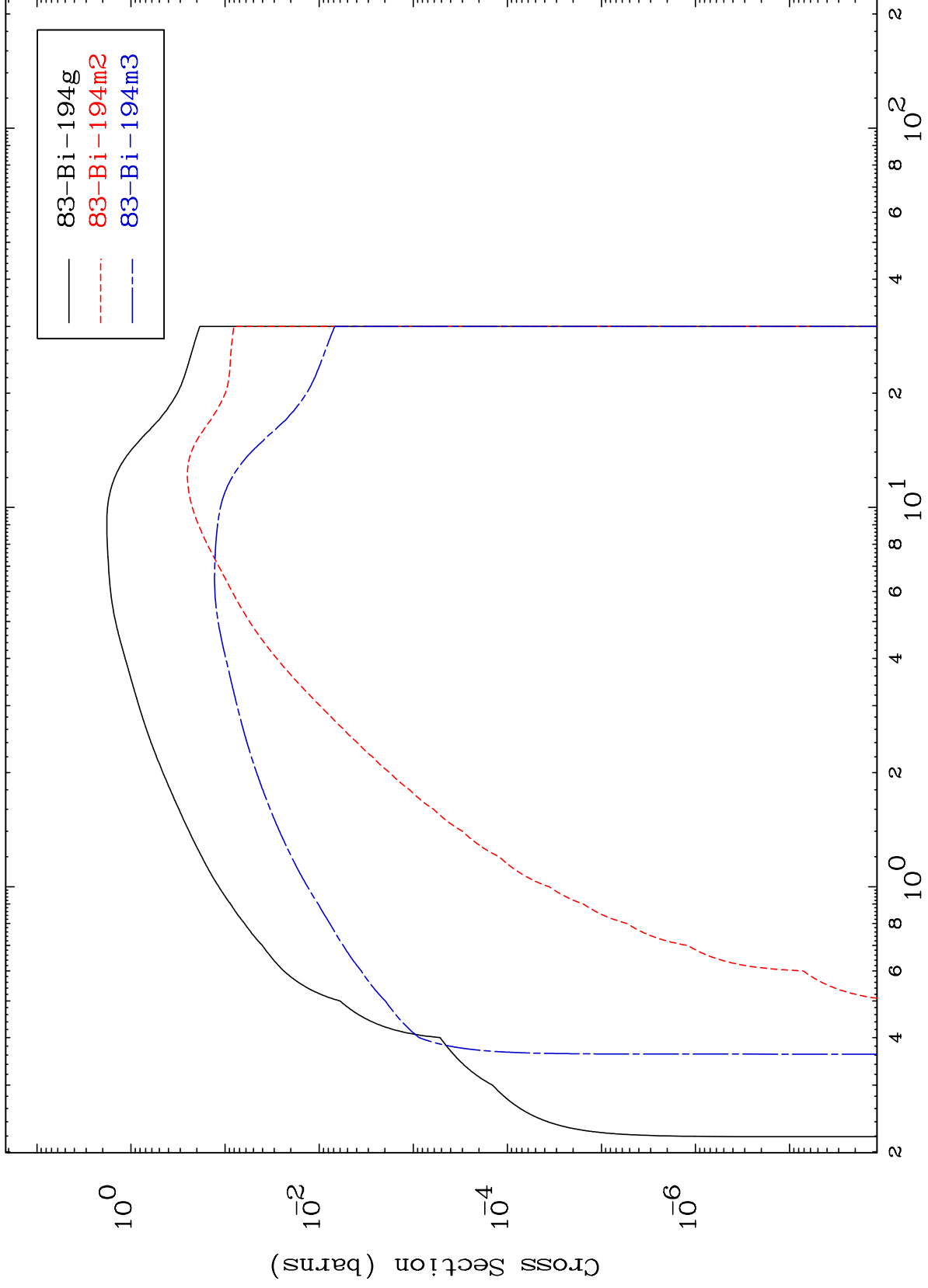




MAT 8280

Inelastic
Radionuclide Production Cross Section

83-Bi-194



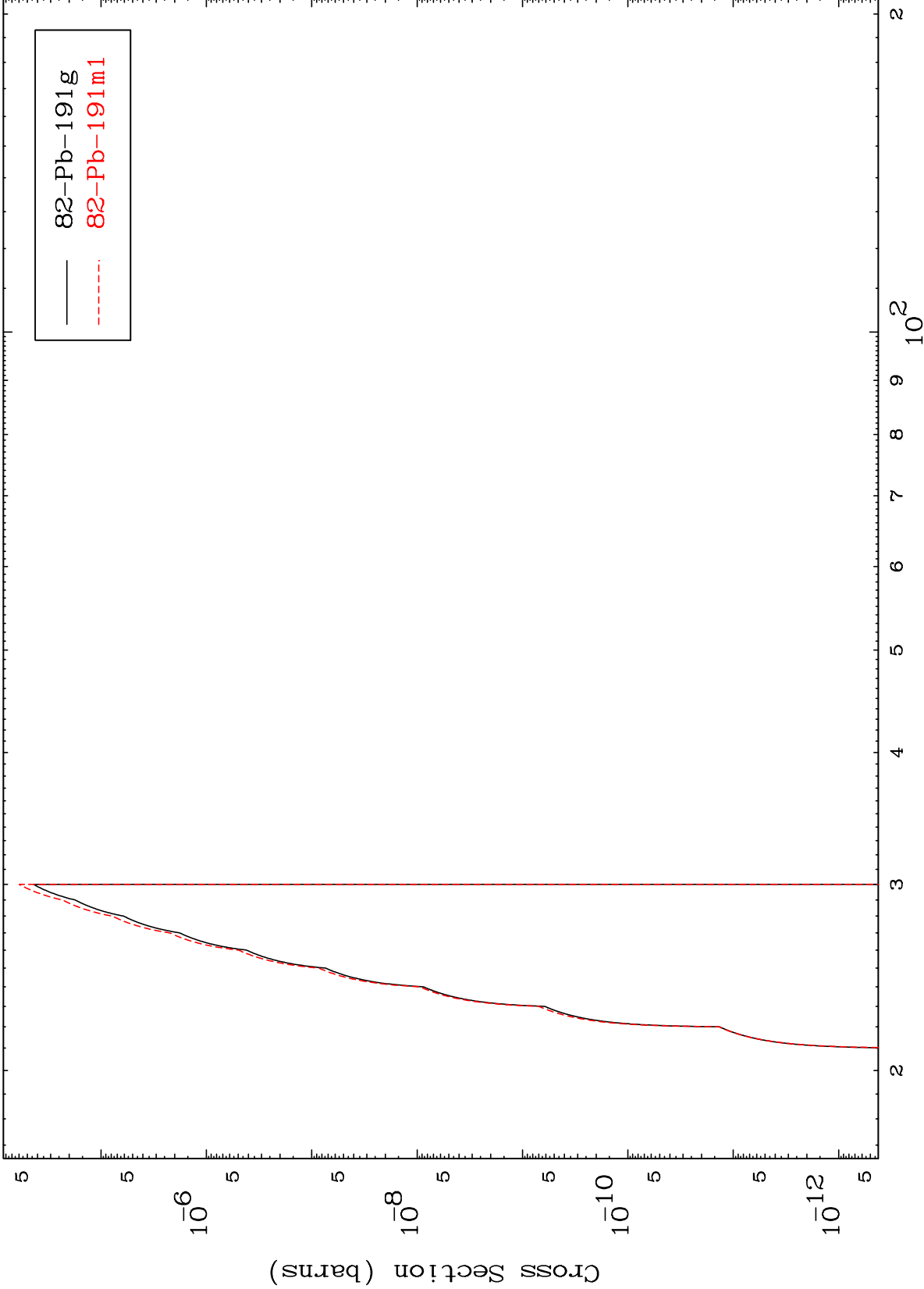
83-Bi-194g
83-Bi-194m2
83-Bi-194m3

72

Incident Energy (MeV)

83-Bi-194

Radionuclide Production Cross Section

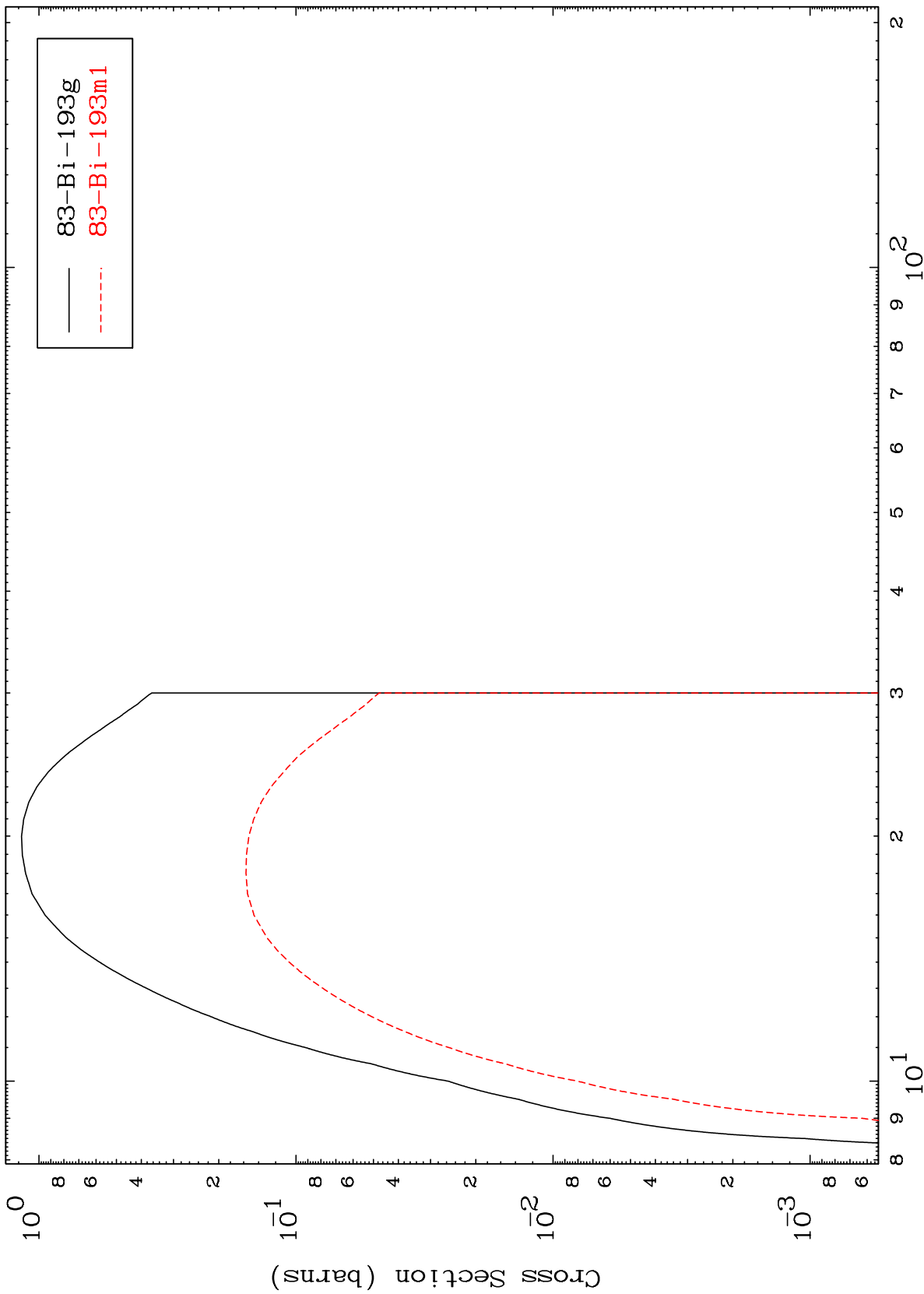


82-Pb-191g
82-Pb-191m1

MAT 8280

83-Bi-194

(n,2n)
Radionuclide Production Cross Section



83-Bi-193g
83-Bi-193m1

74

Incident Energy (MeV)

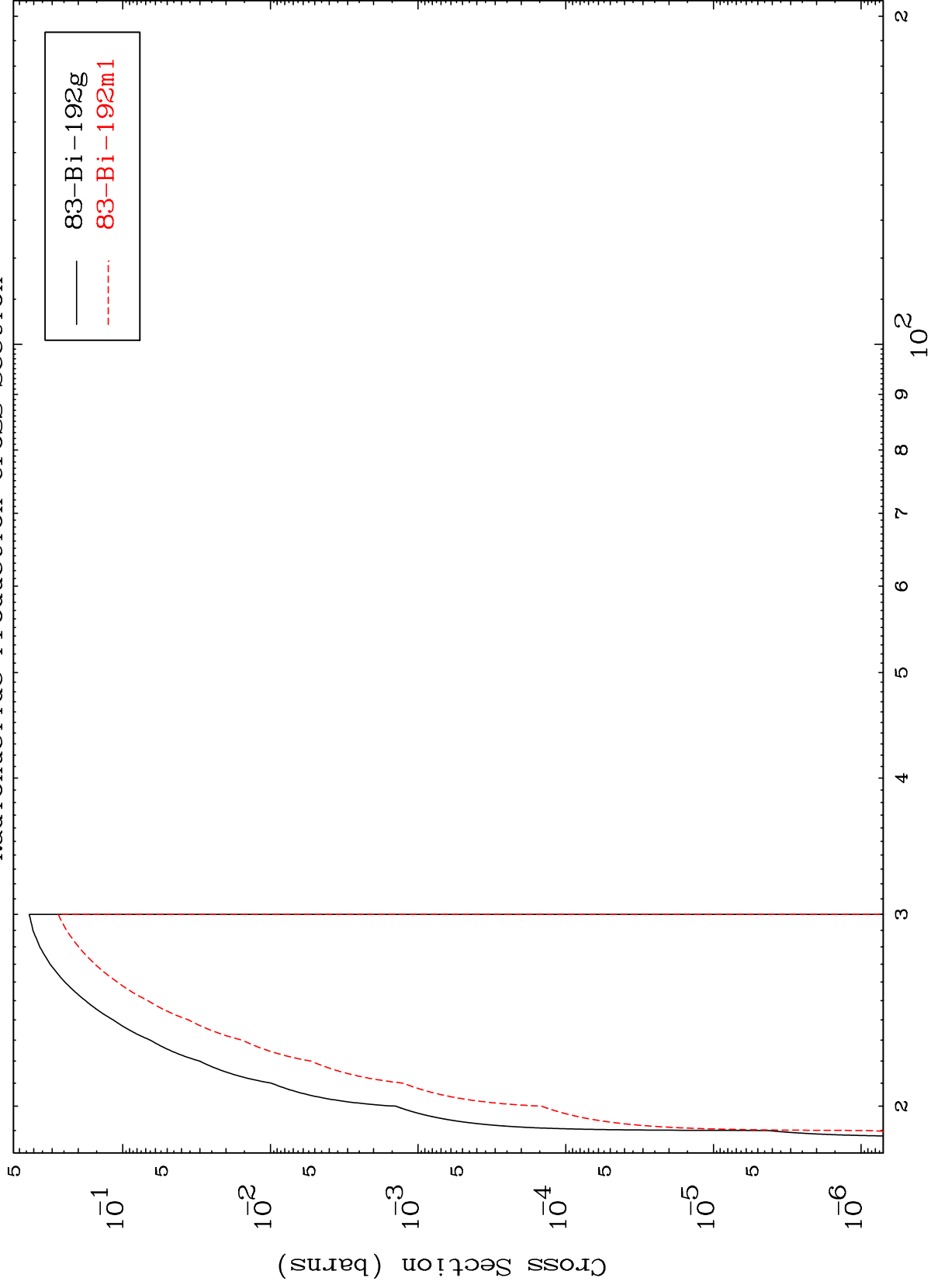
83-Bi-194

MAT 8280

(n,3n)

83-Bi-194

Radionuclide Production Cross Section



75

Incident Energy (MeV)

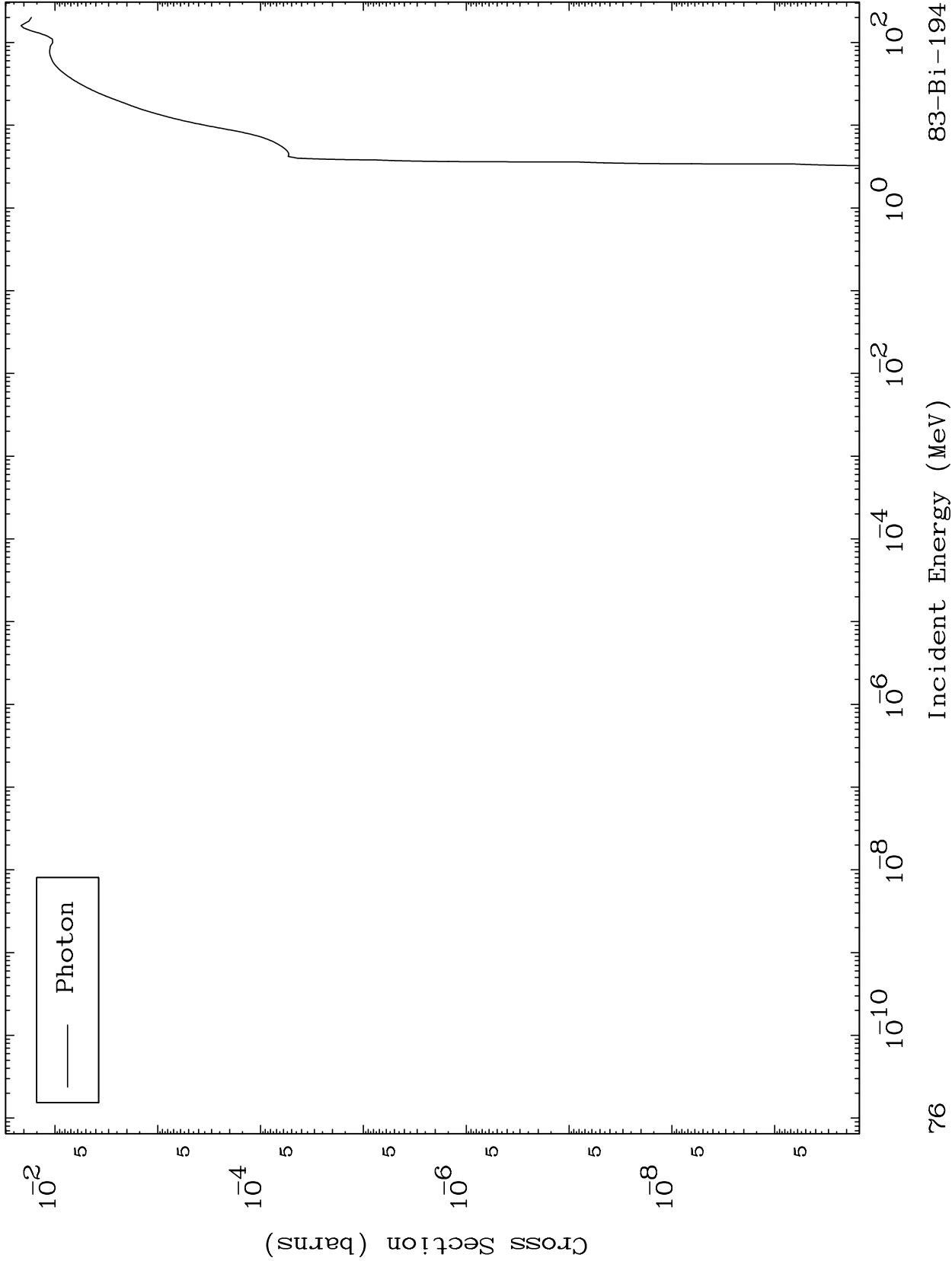
83-Bi-194

MAT 8280

Fission

83-Bi-194

Radionuclide Production Cross Section



76

Incident Energy (MeV)

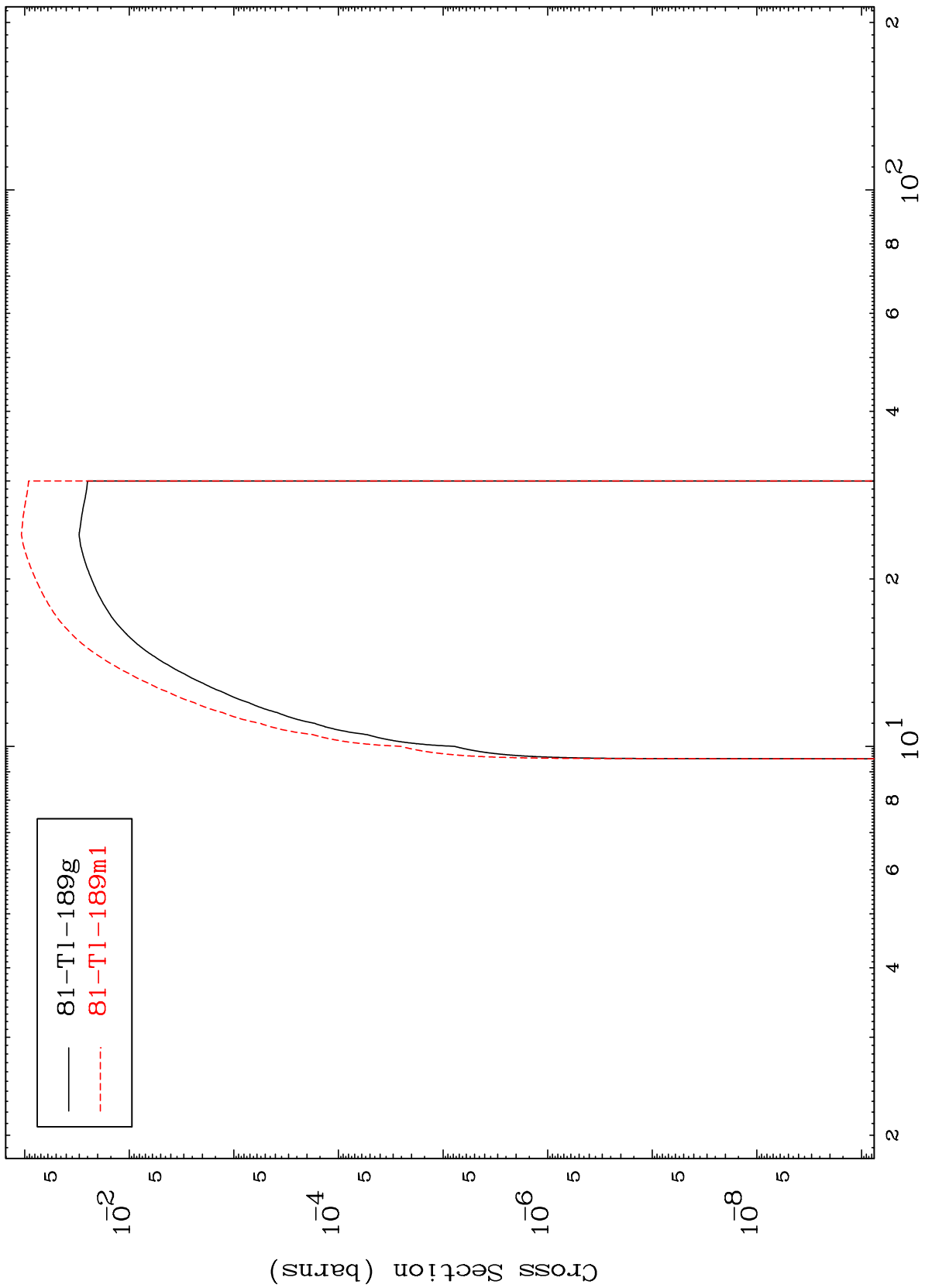
83-Bi-194

MAT 8280

$(n,2n) \alpha$

83-Bi-194

Radionuclide Production Cross Section

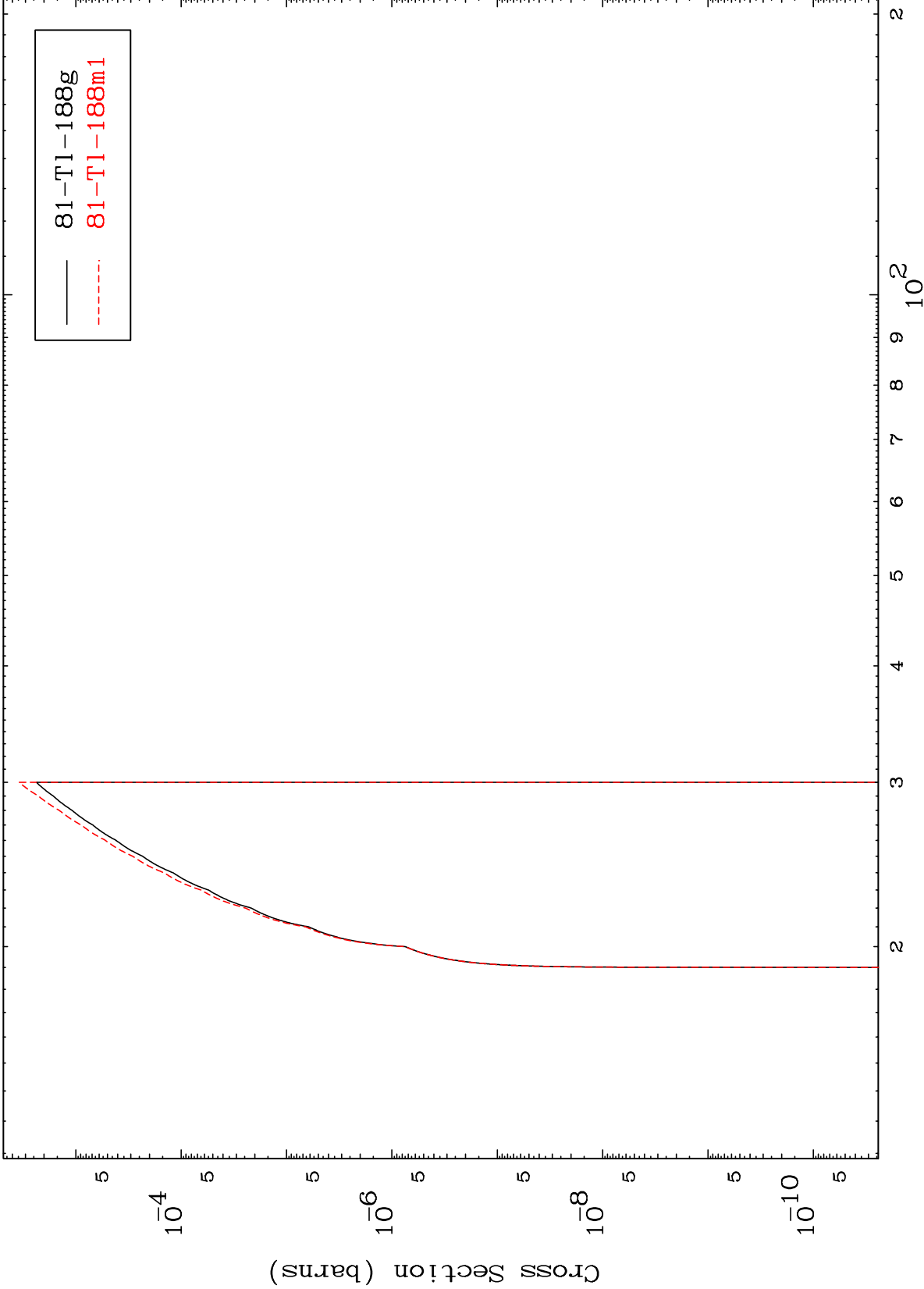


77

Incident Energy (MeV)

83-Bi-194

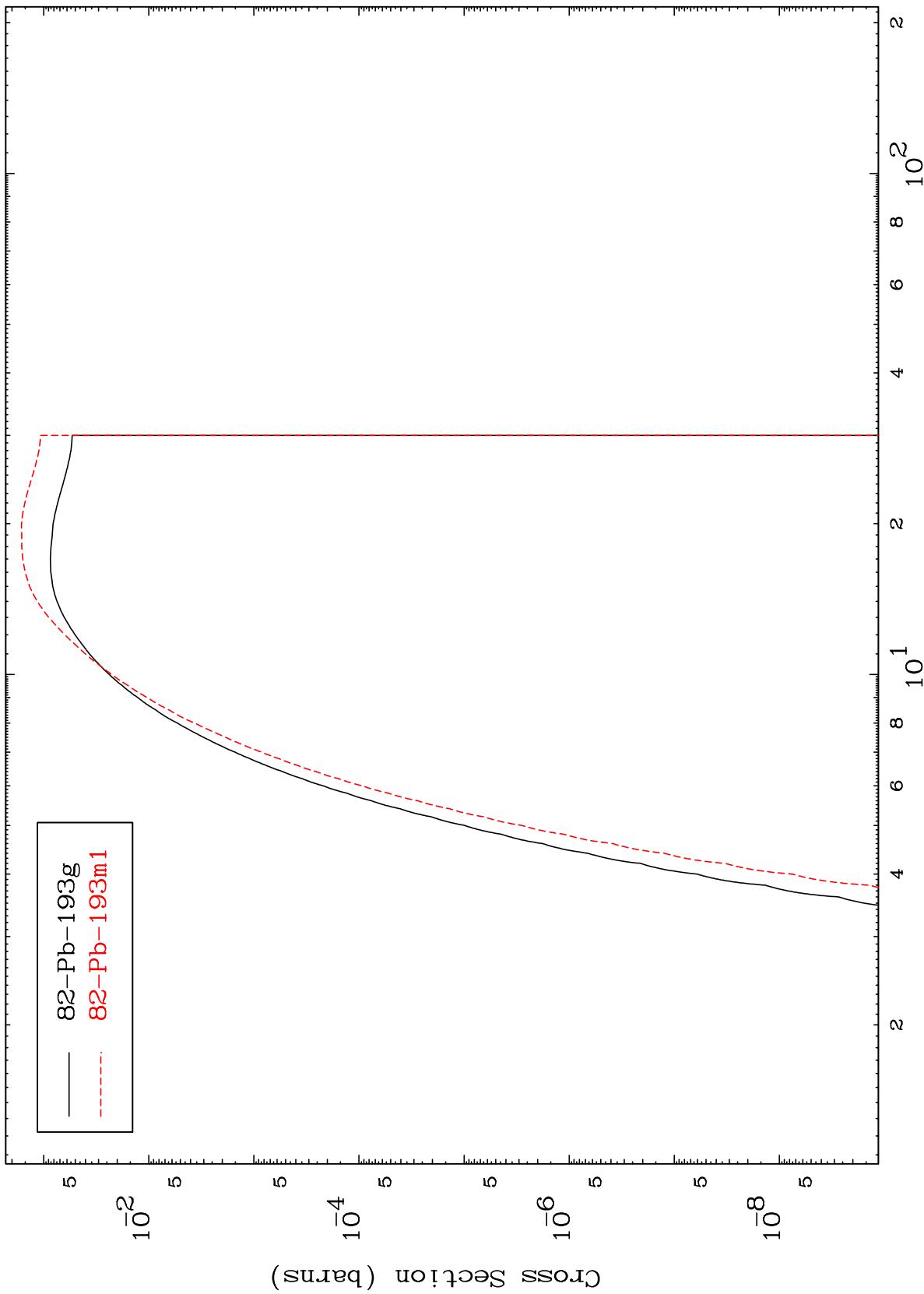
Radionuclide Production Cross Section



MAT 8280

83-Bi-194

(n,n') p
Radionuclide Production Cross Section



79

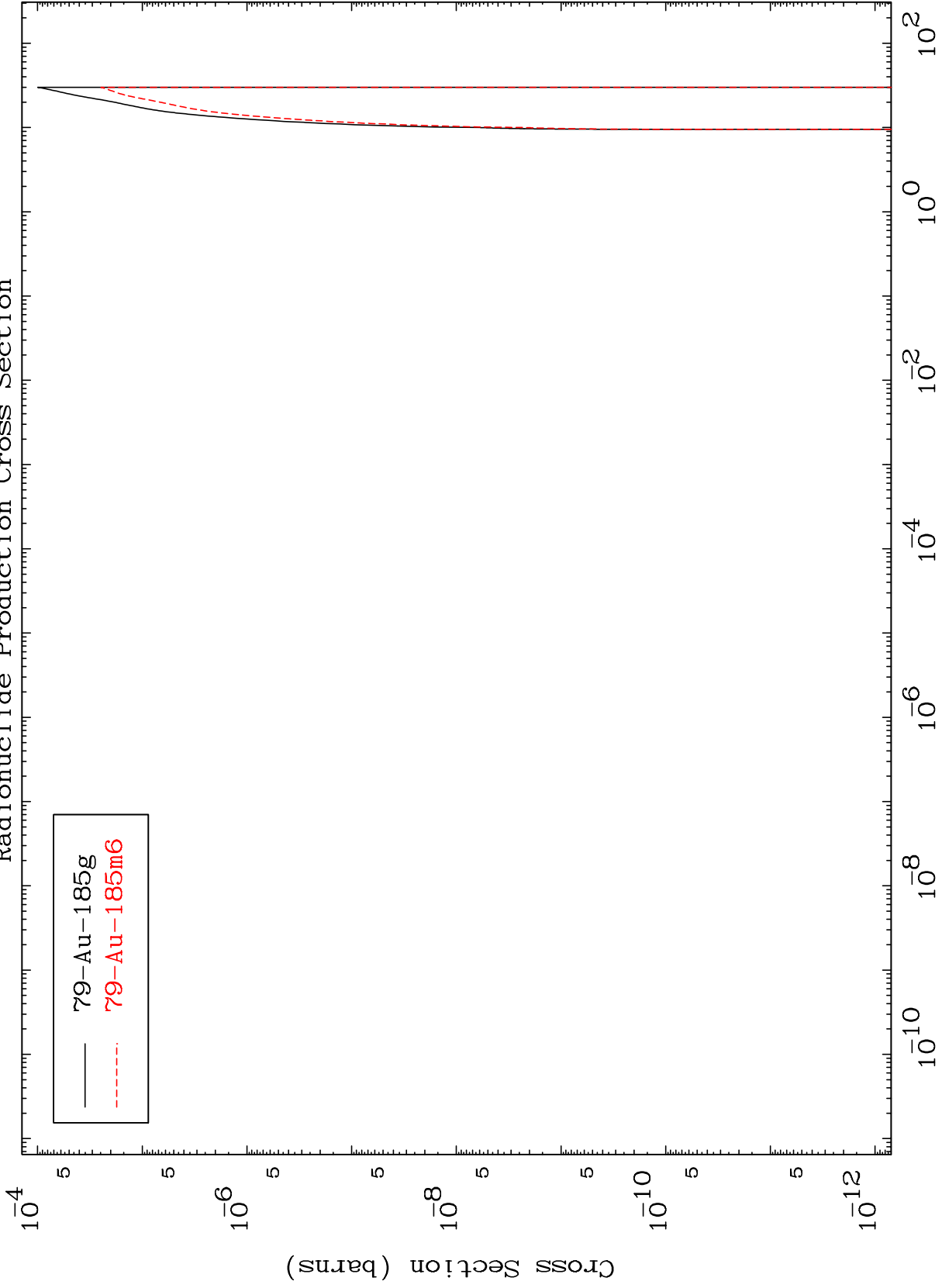
83-Bi-194

MAT 8280

(n,2n) 2 α

83-Bi-194

Radionuclide Production Cross Section



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

80

Incident Energy (MeV)

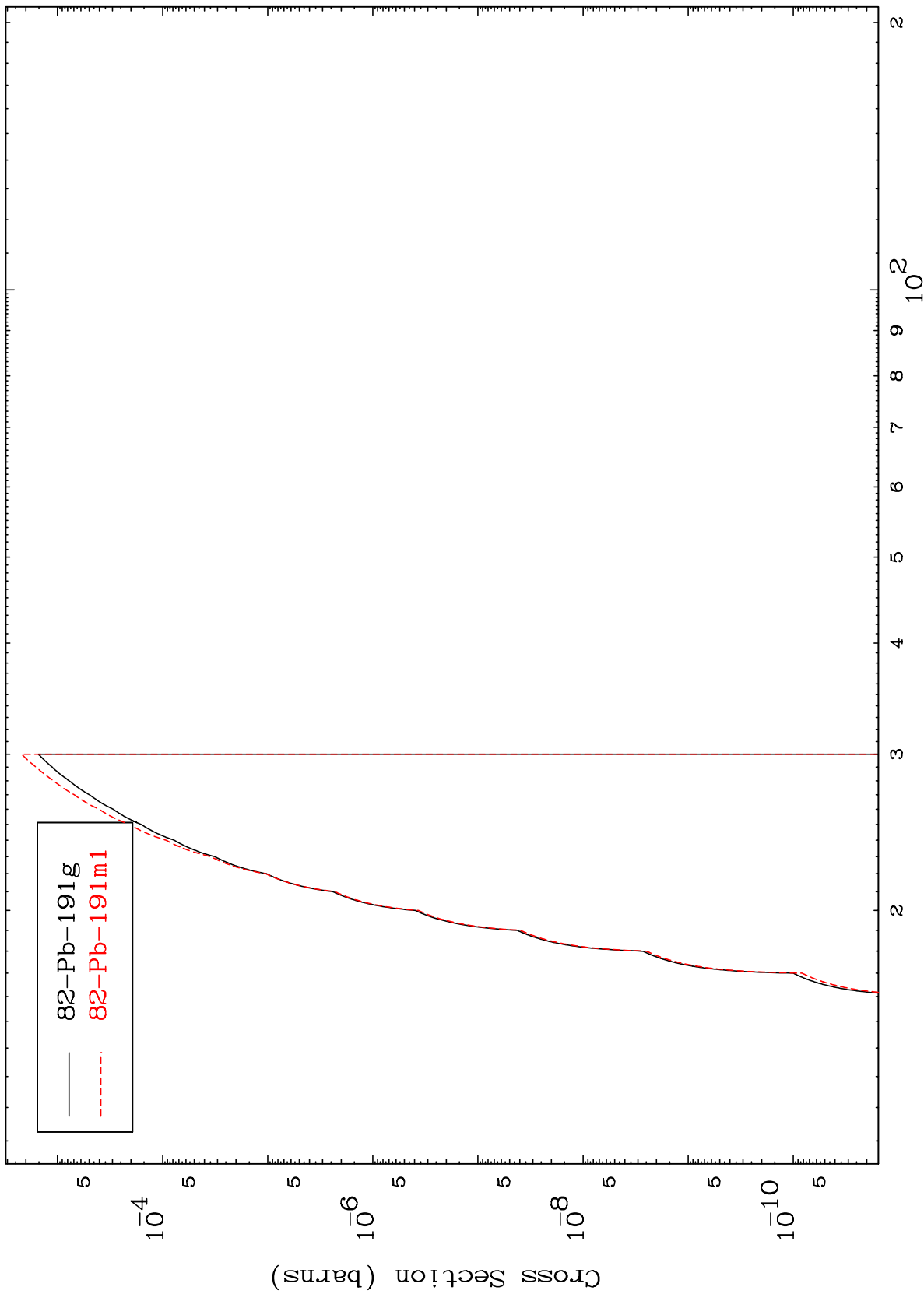
83-Bi-194

MAT 8280

(n,n') t

83-Bi-194

Radionuclide Production Cross Section



81

Incident Energy (MeV)

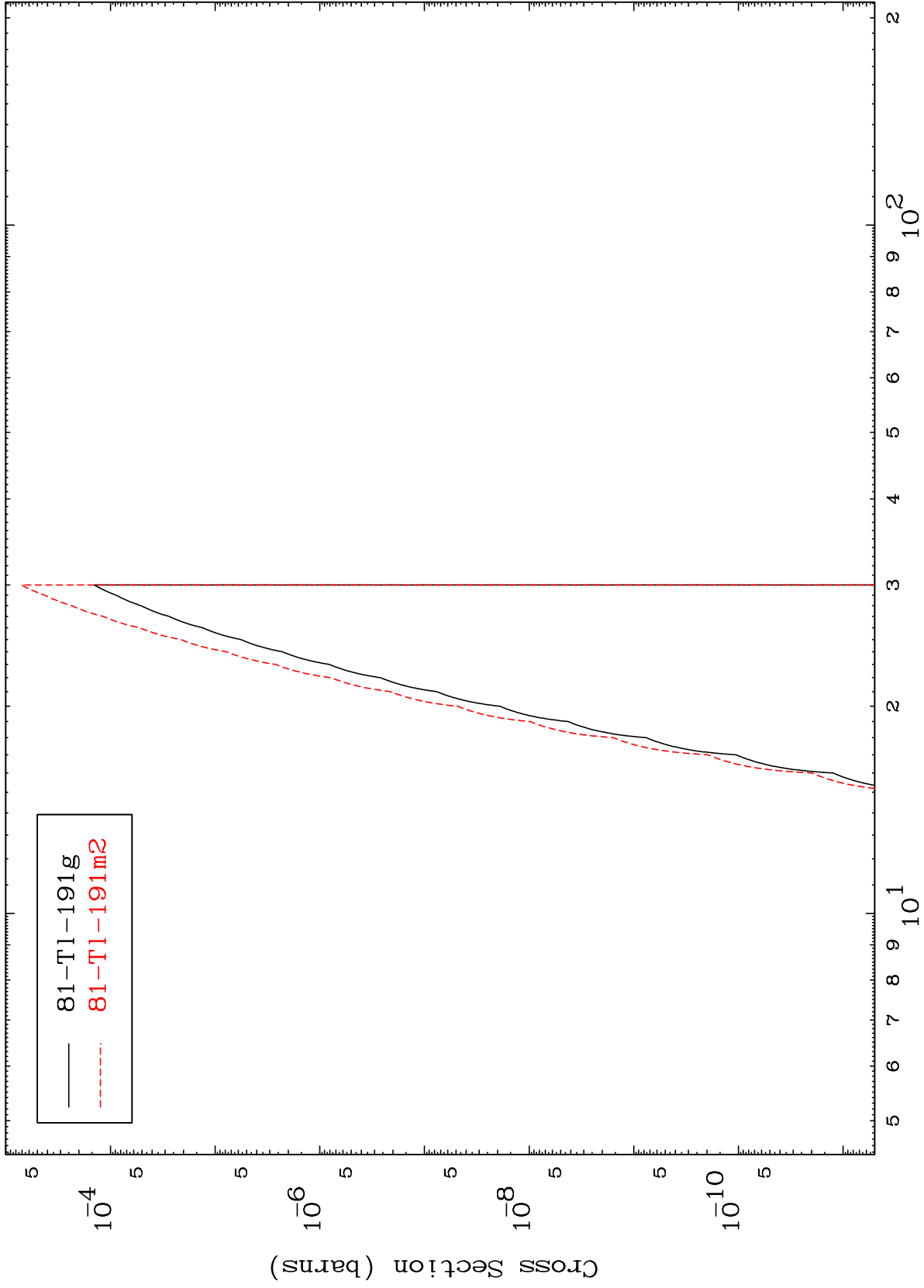
83-Bi-194

MAT 8280

(n,n') He-3

83-Bi-194

Radionuclide Production Cross Section



82

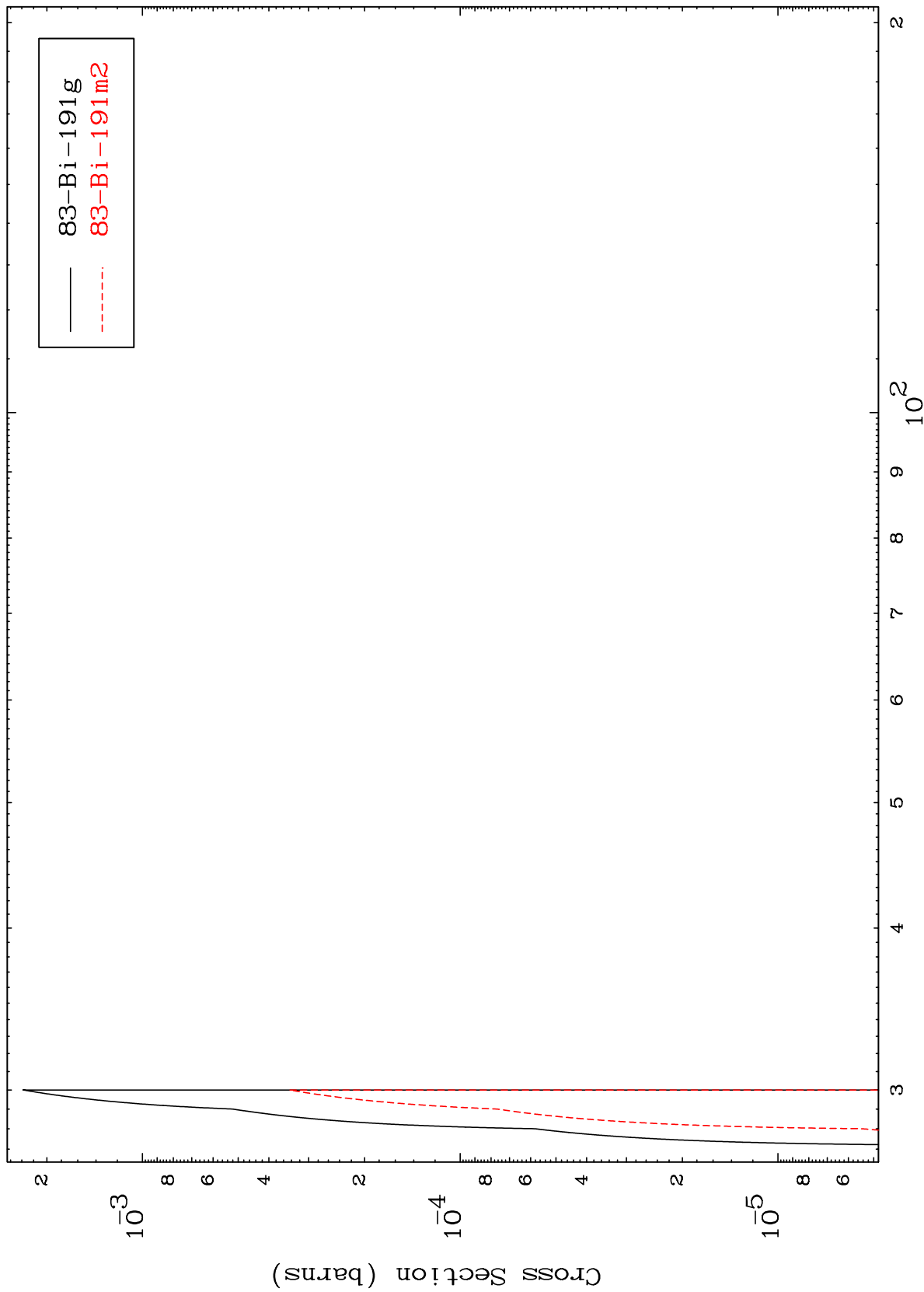
Incident Energy (MeV)

83-Bi-194

MAT 8280

⁸³Bi-194

(n,4n)
Radionuclide Production Cross Section



83

⁸³Bi-194

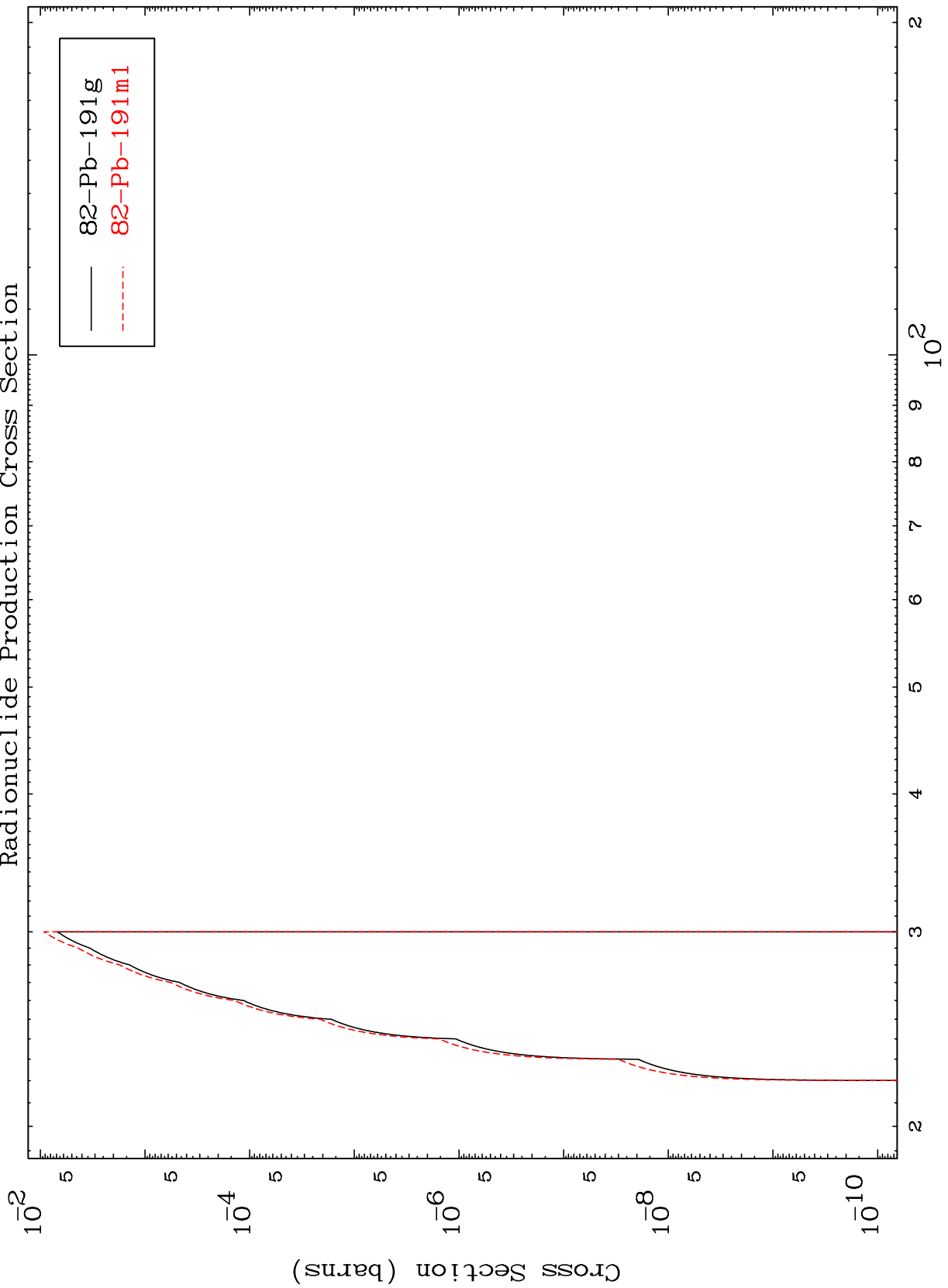
Incident Energy (MeV)

MAT 8280

(n,3n) p

83-Bi-194

Radionuclide Production Cross Section



84

Incident Energy (MeV)

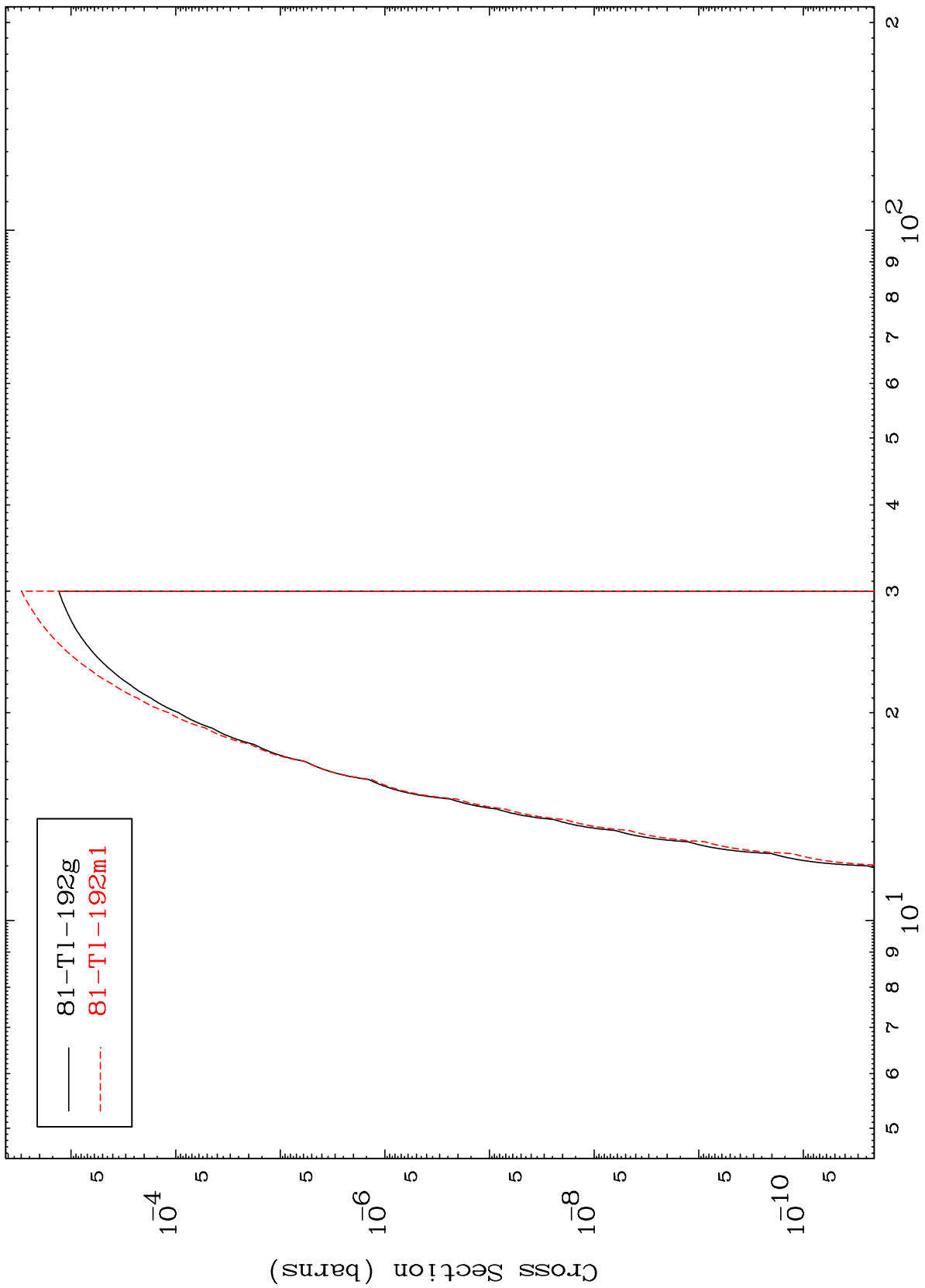
83-Bi-194

MAT 8280

(n,2n) p

83-Bi-194

Radionuclide Production Cross Section



85

Incident Energy (MeV)

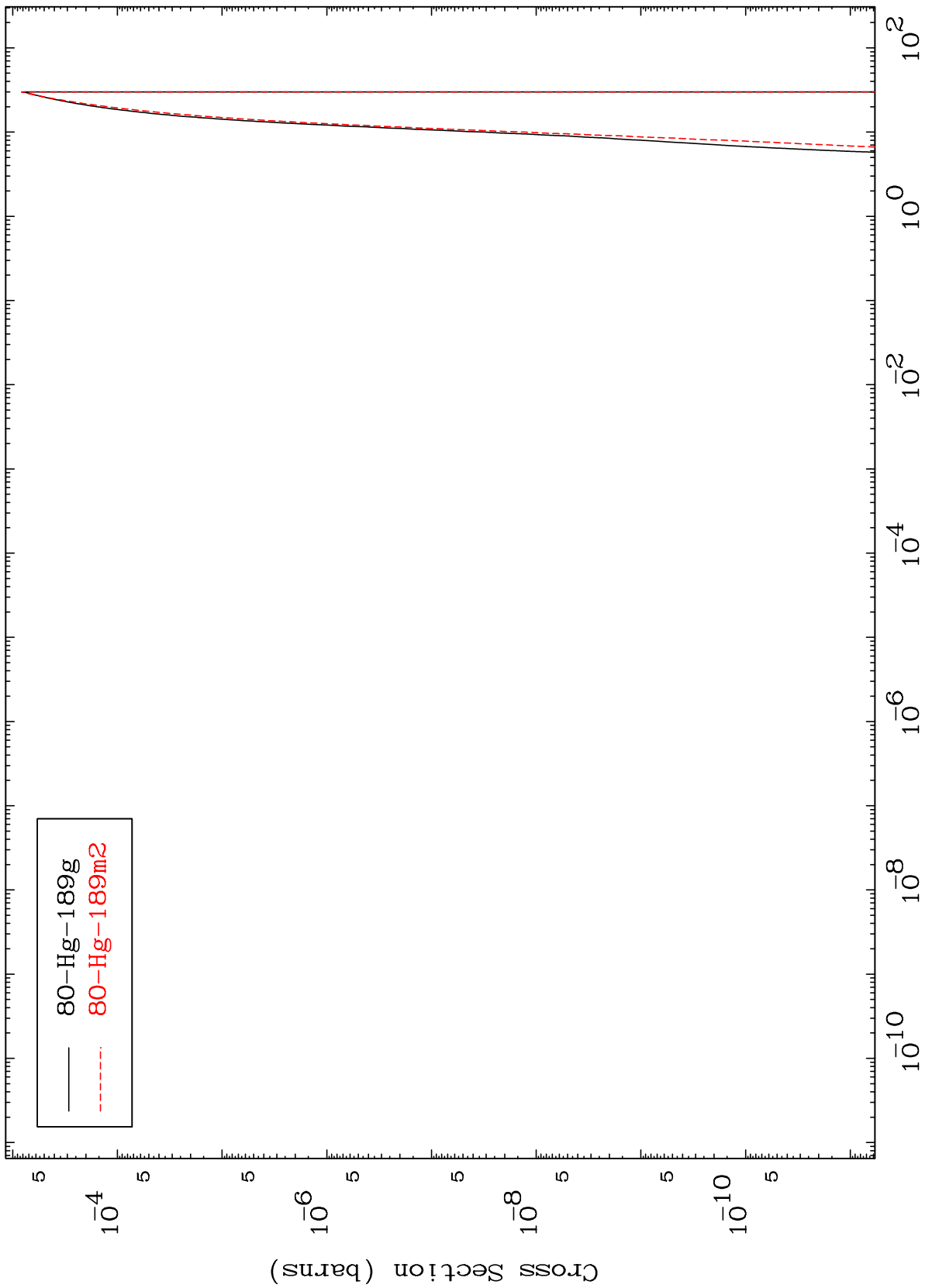
83-Bi-194

MAT 8280

(n,n') p α

83-Bi-194

Radionuclide Production Cross Section



86

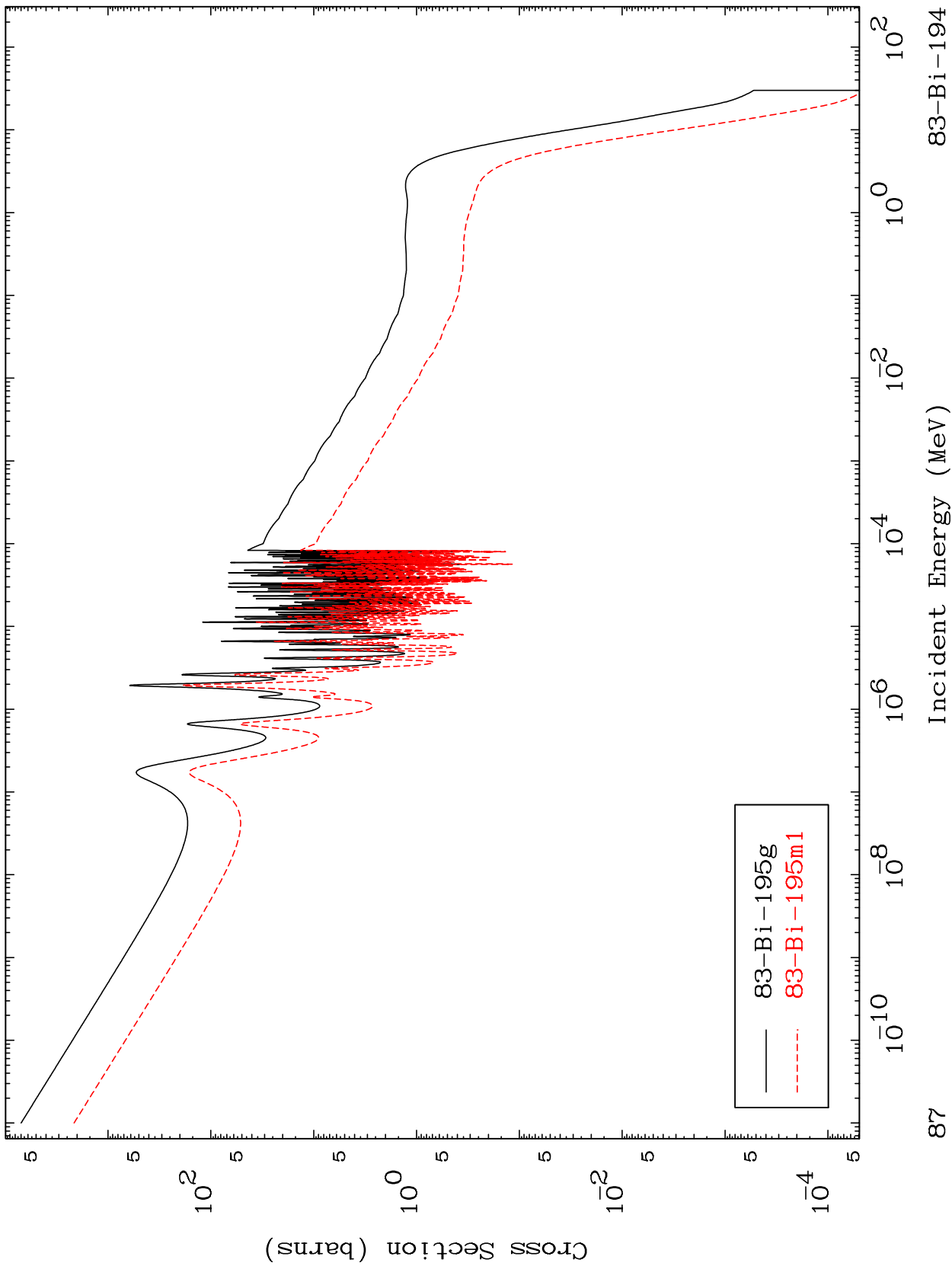
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

(n, γ)
Radionuclide Production Cross Section

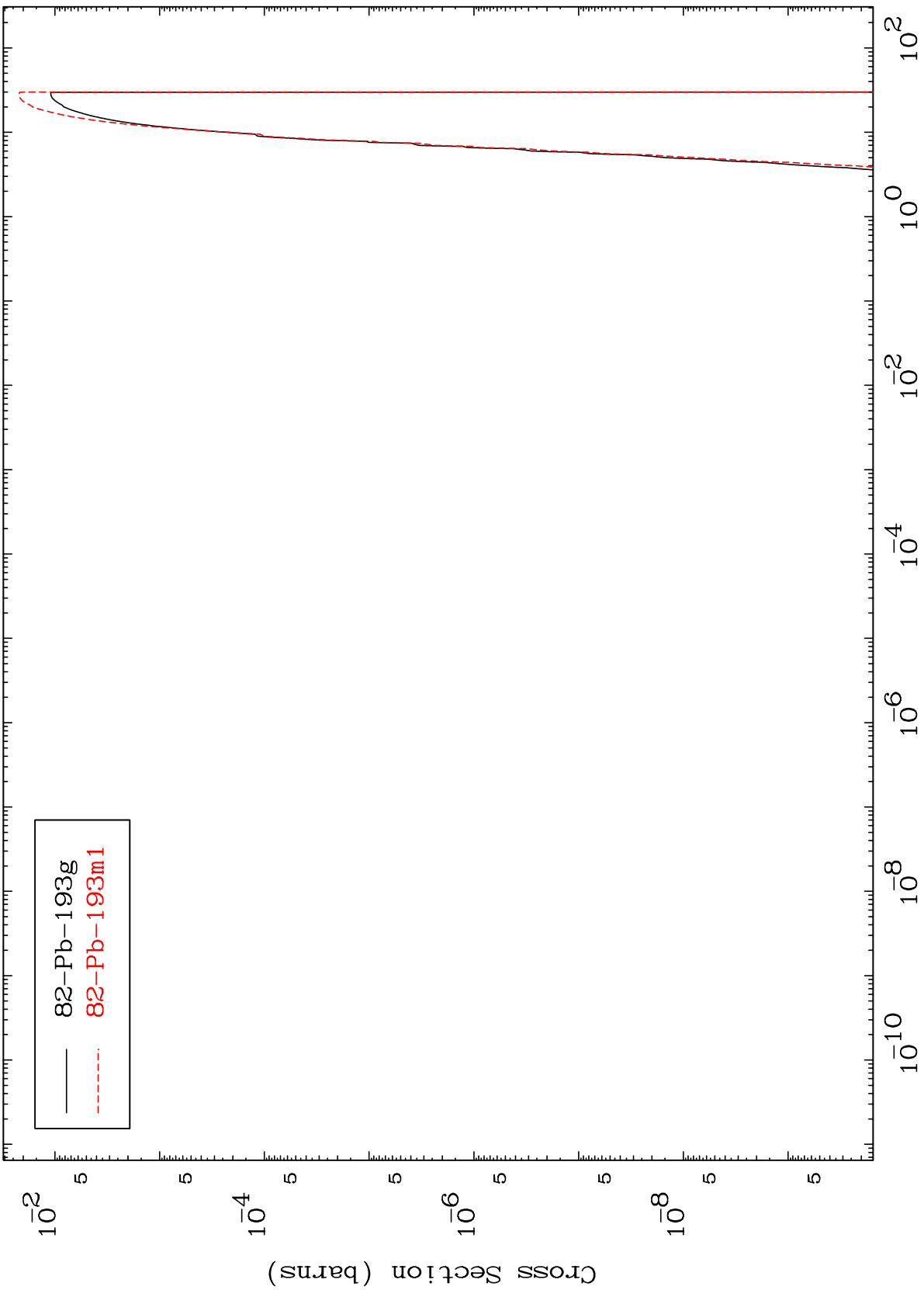
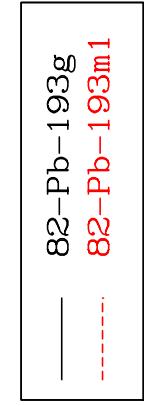


MAT 8280

(n,d)

83-Bi-194

Radionuclide Production Cross Section



88

Incident Energy (MeV)

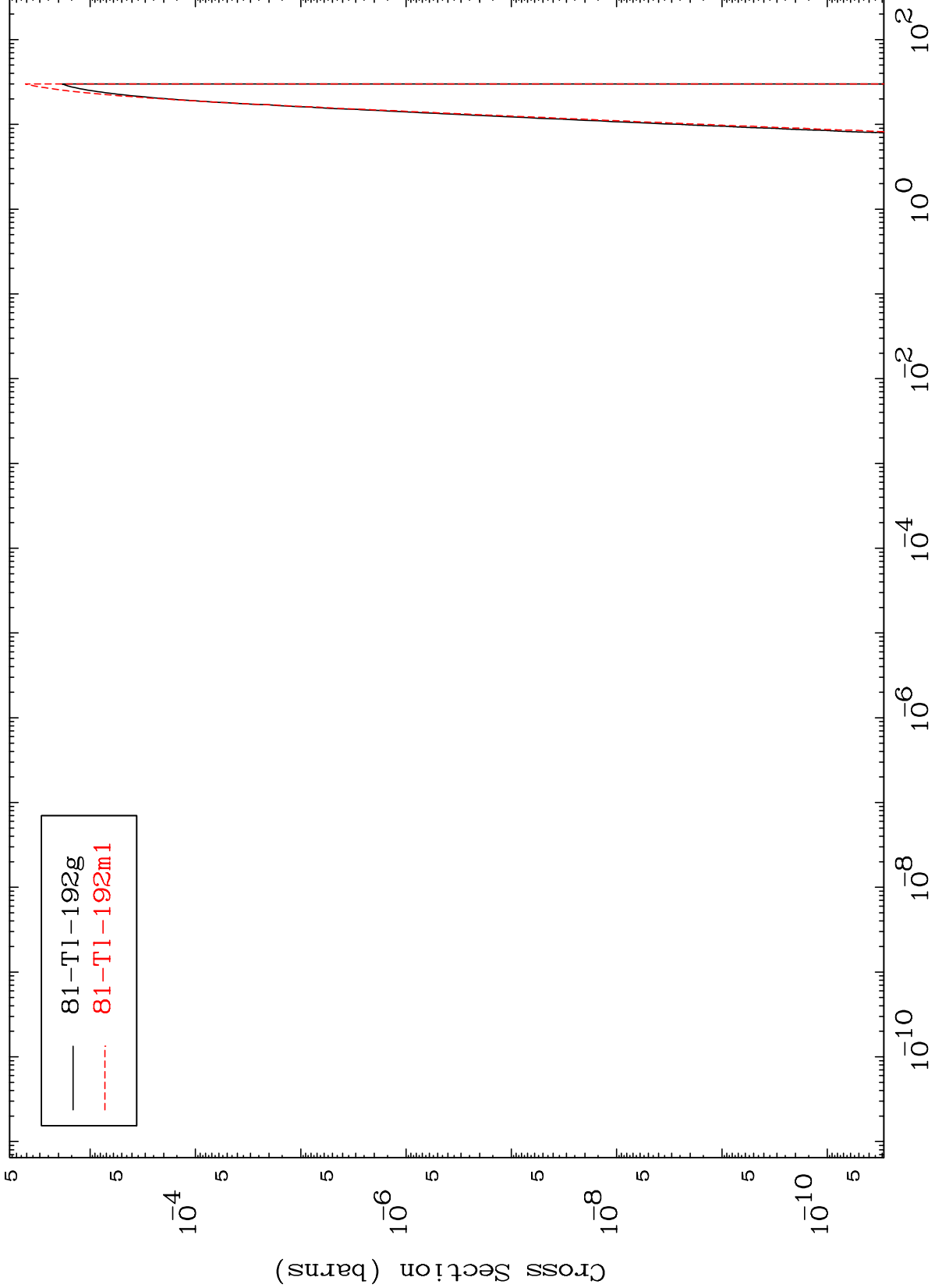
83-Bi-194

MAT 8280

(n,He-3)

83-Bi-194

Radionuclide Production Cross Section



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

89

Incident Energy (MeV)

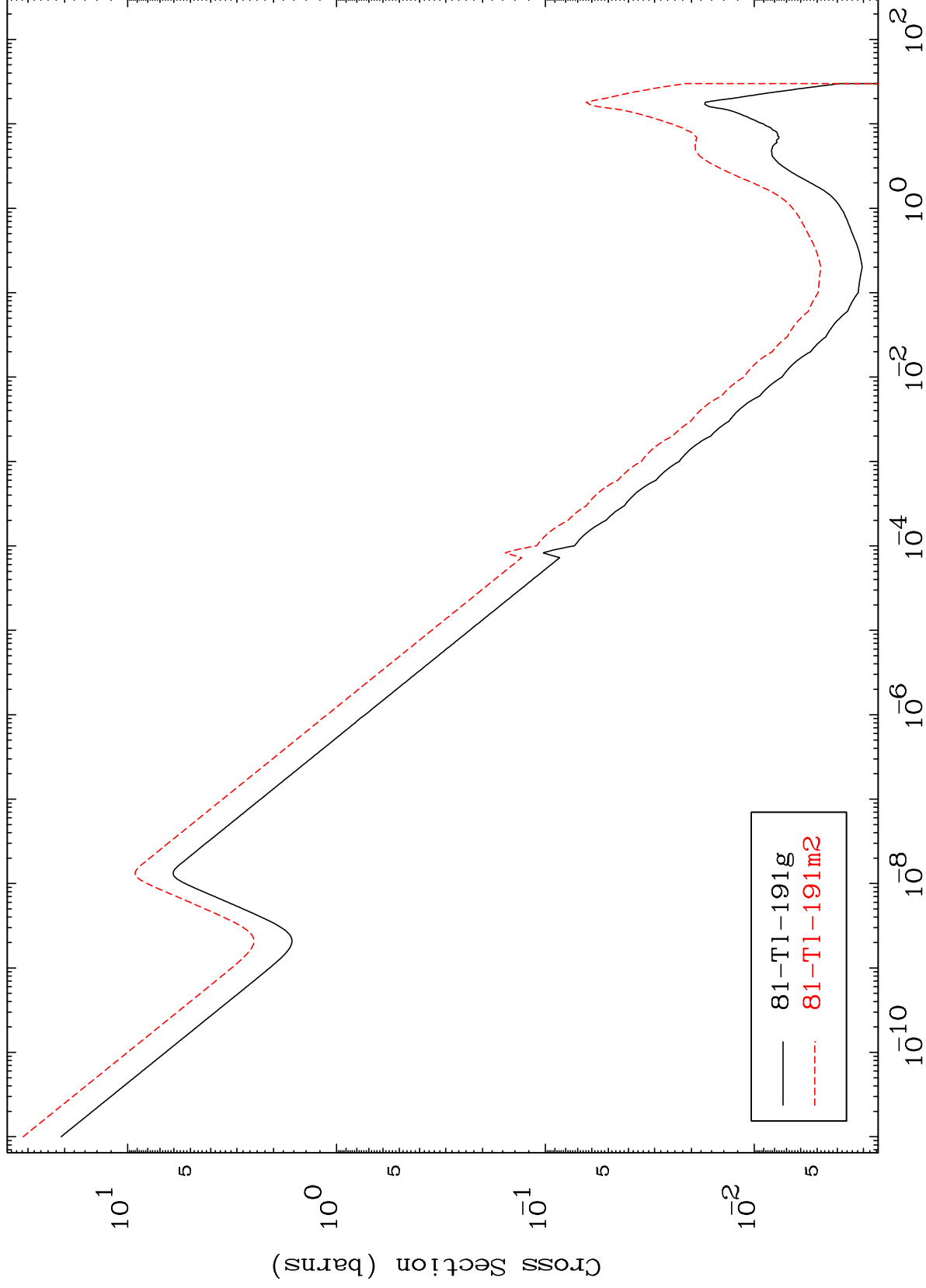
83-Bi-194

MAT 8280

(n, α)

83-Bi-194

Radionuclide Production Cross Section



90

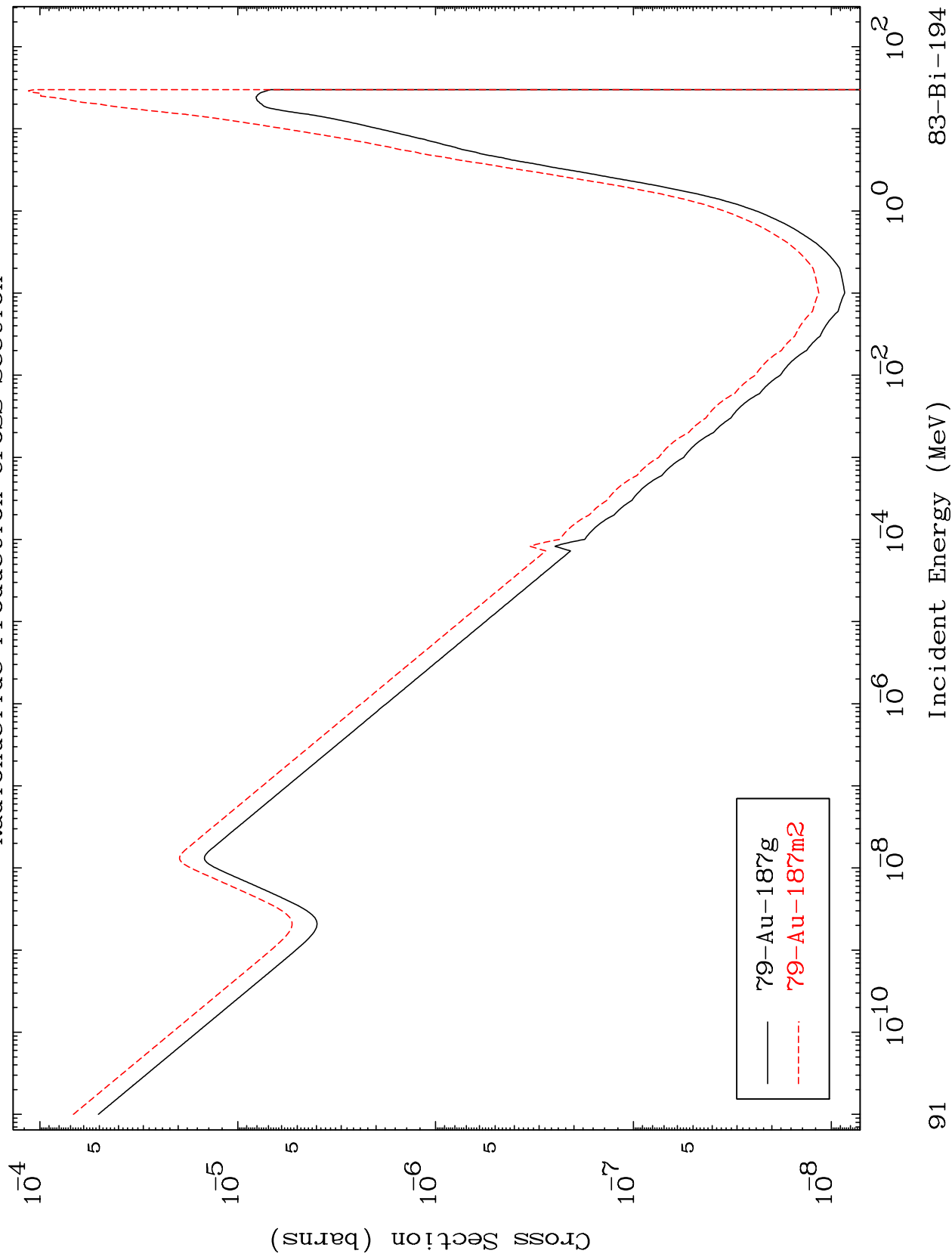
Incident Energy (MeV)

83-Bi-194

MAT 8280

83-Bi-194

(n,2α)
Radionuclide Production Cross Section



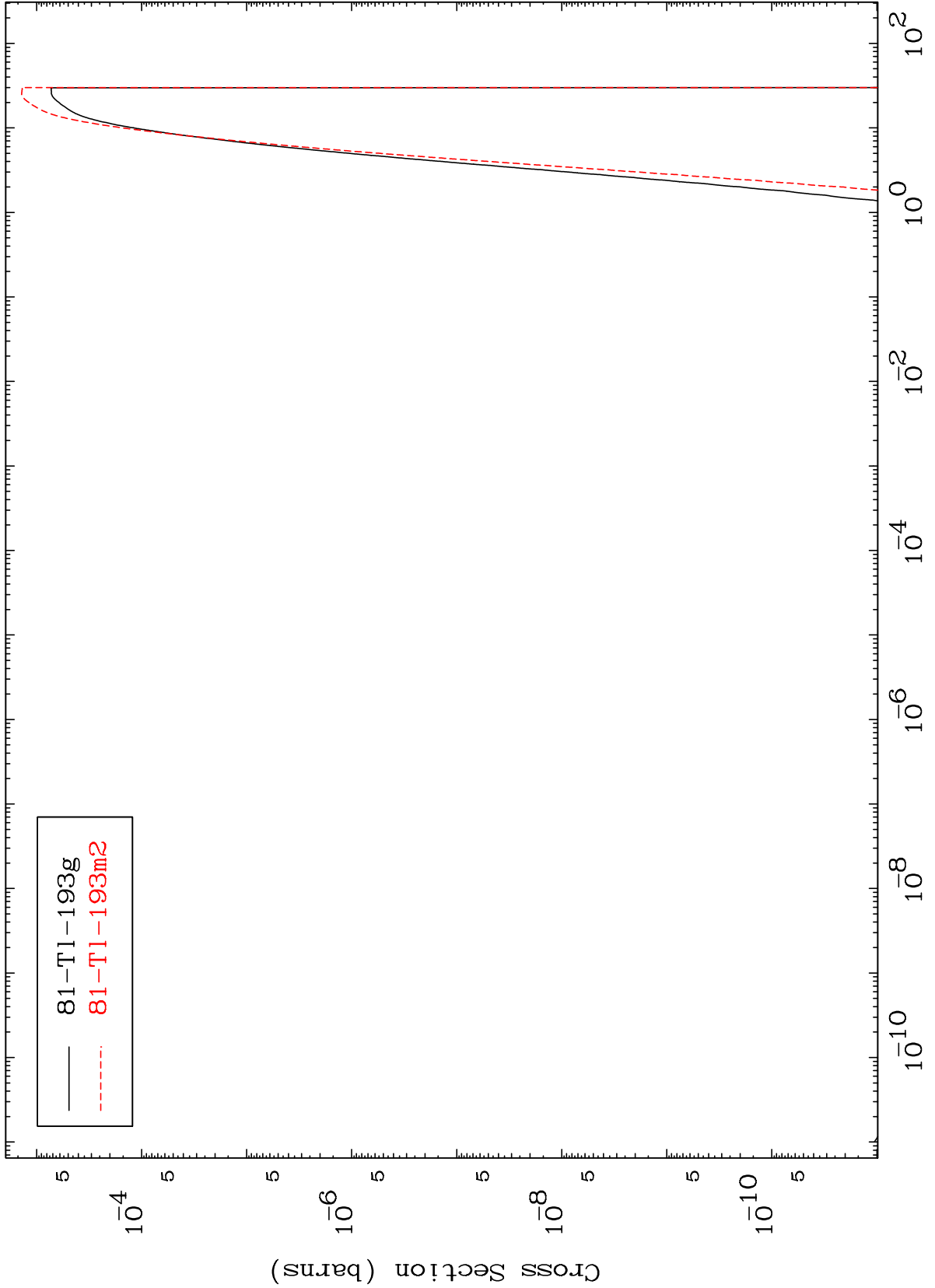
91

MAT 8280

(n,2p)

83-Bi-194

Radionuclide Production Cross Section



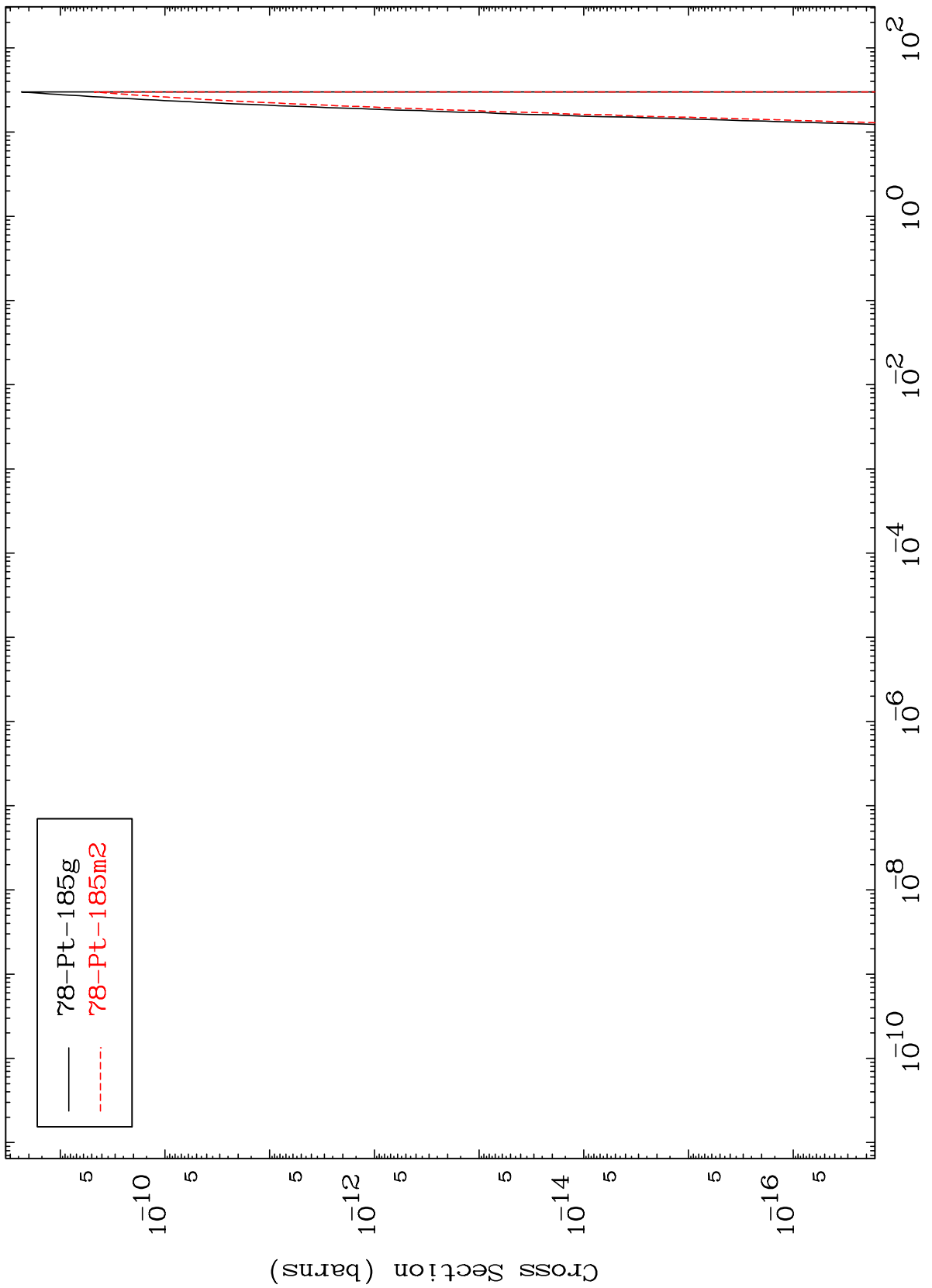
81-Tl-193g
81-Tl-193m2

MAT 8280

(n,d) 2 α

83-Bi-194

Radionuclide Production Cross Section



93

Incident Energy (MeV)

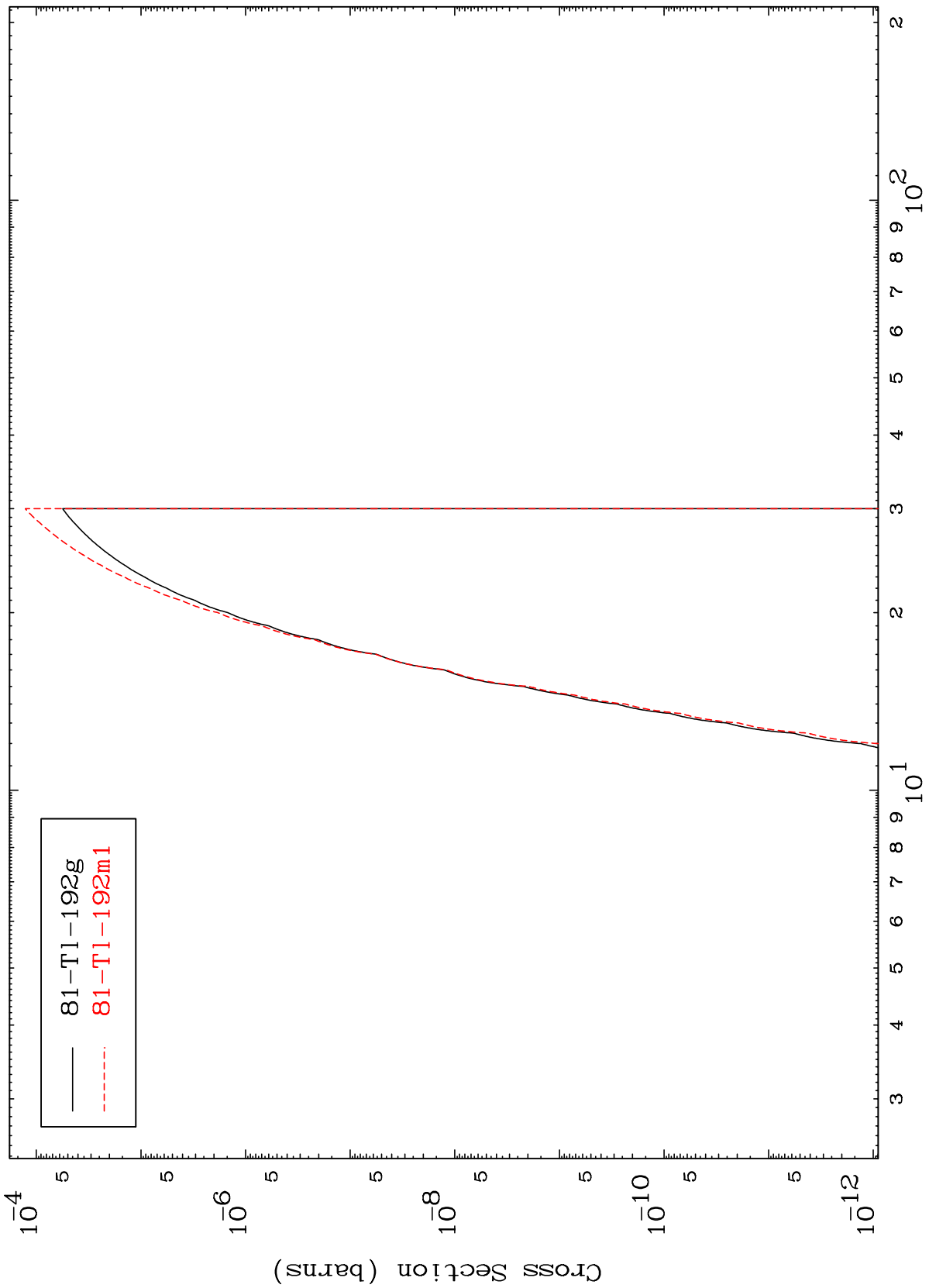
83-Bi-194

MAT 8280

(n,p) d

83-Bi-194

Radionuclide Production Cross Section



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

94

Incident Energy (MeV)

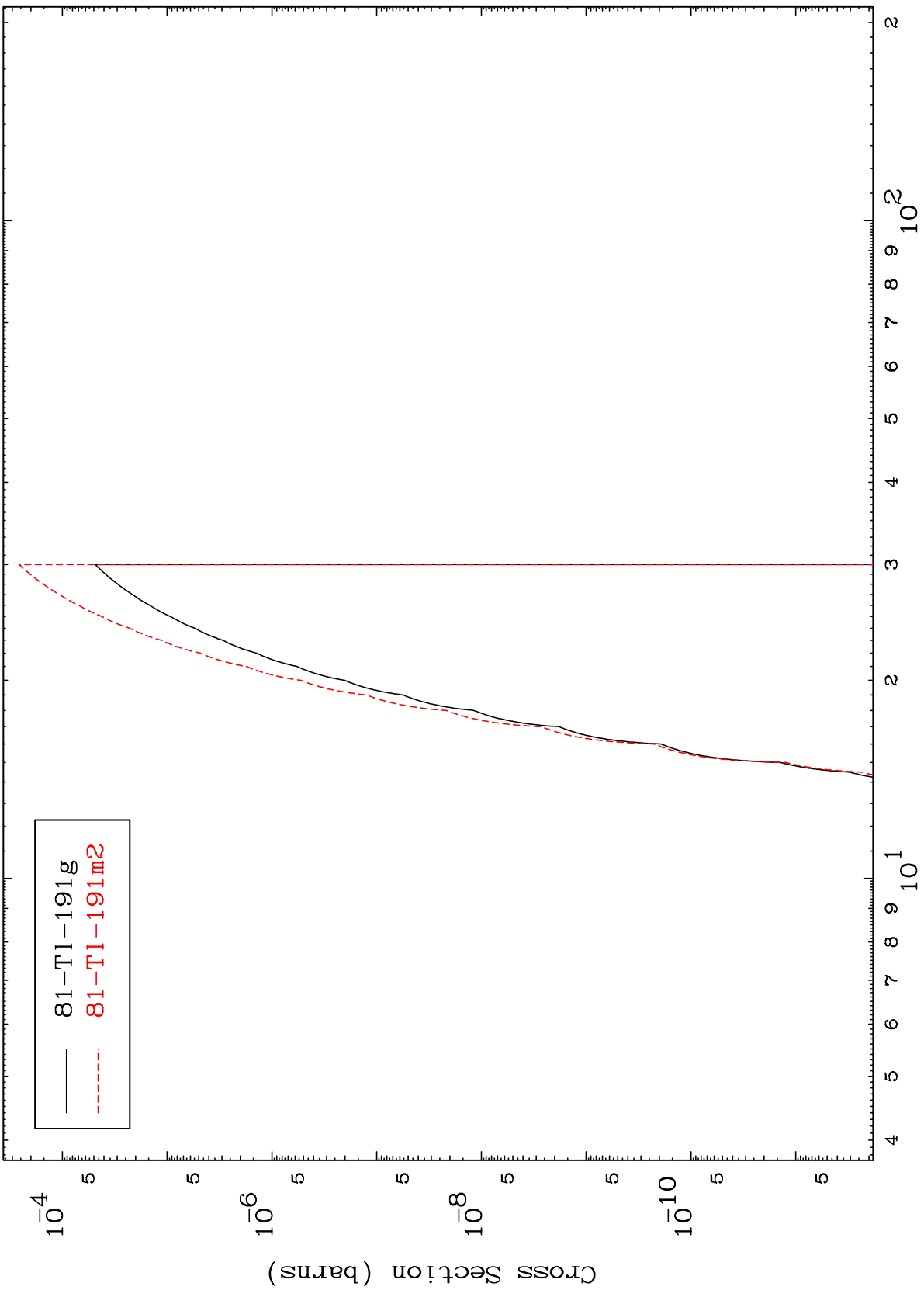
83-Bi-194

MAT 8280

(n,p) t

83-Bi-194

Radionuclide Production Cross Section



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

95

Incident Energy (MeV)

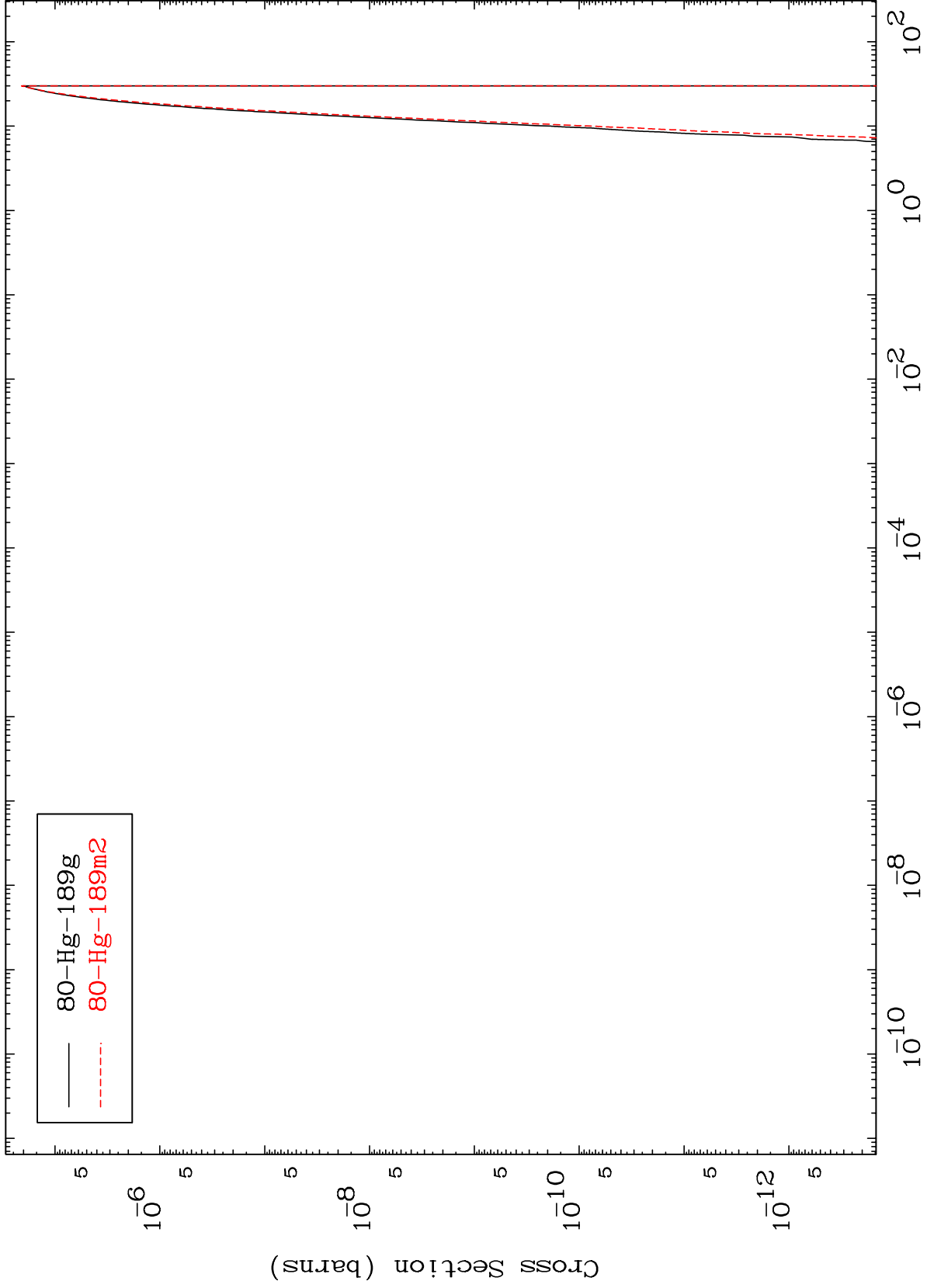
83-Bi-194

MAT 8280

(n,d) α

83-Bi-194

Radionuclide Production Cross Section



96

Incident Energy (MeV)

83-Bi-194