

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

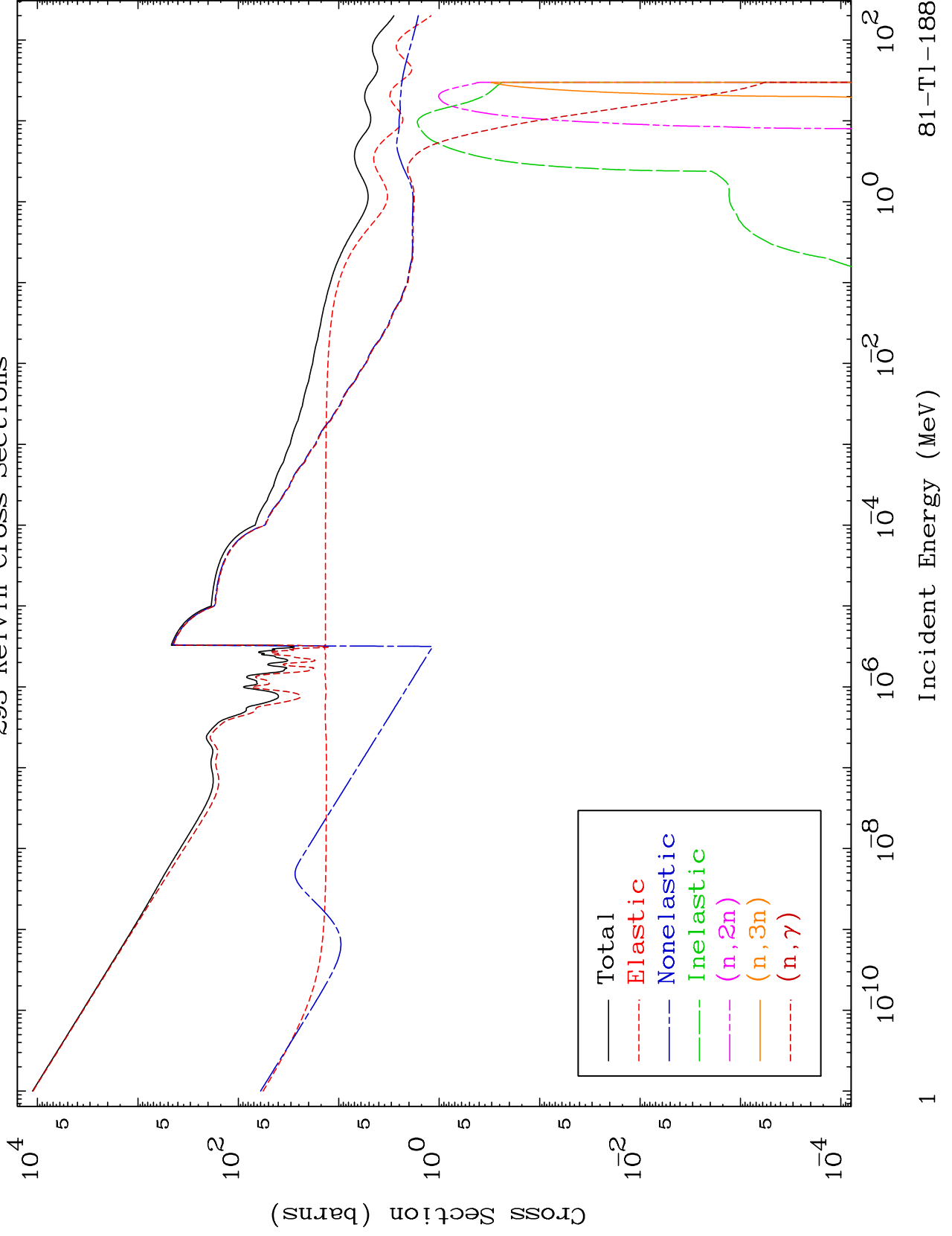
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8080

Neutron Major
293 Kelvin Cross Sections

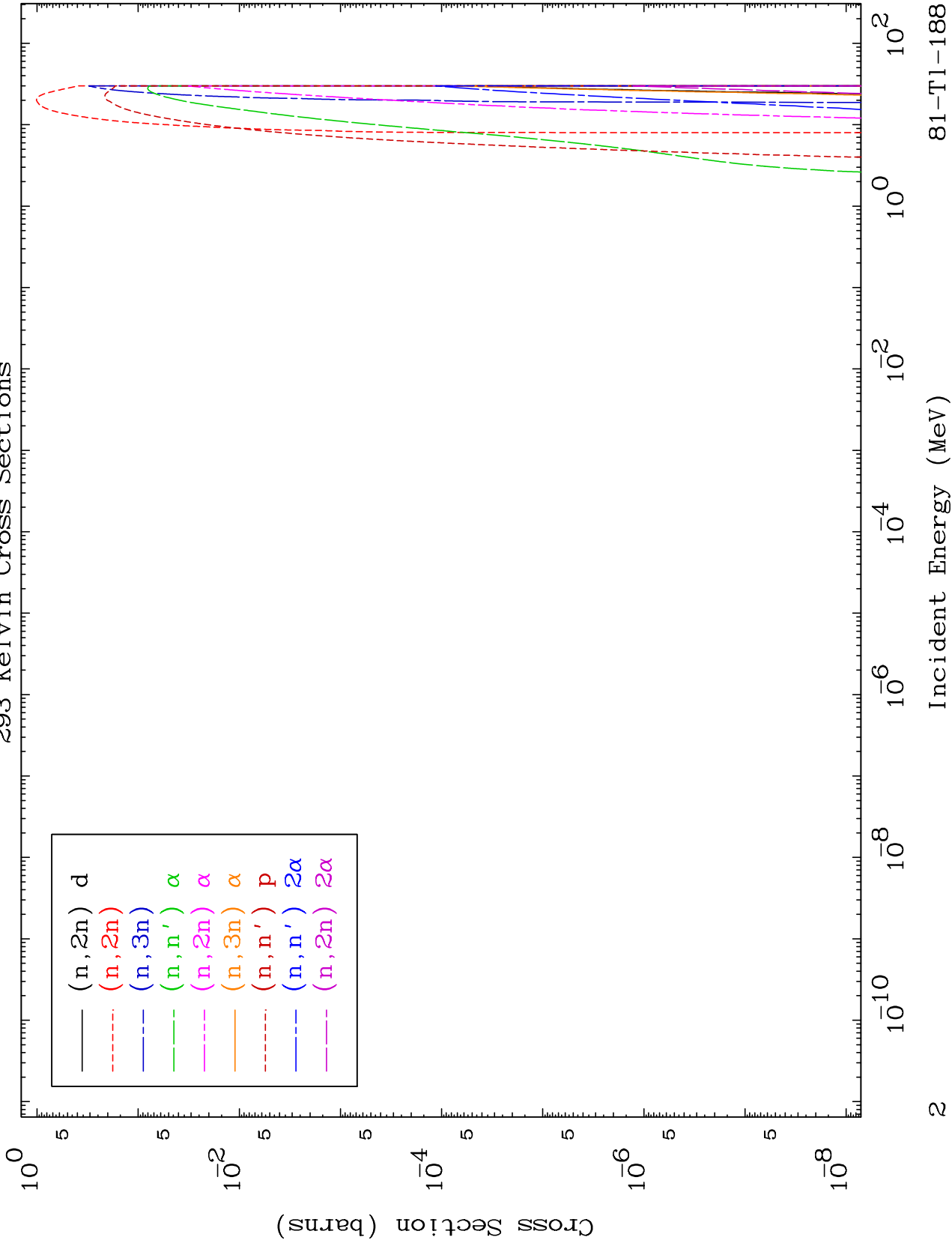
81-Tl-188

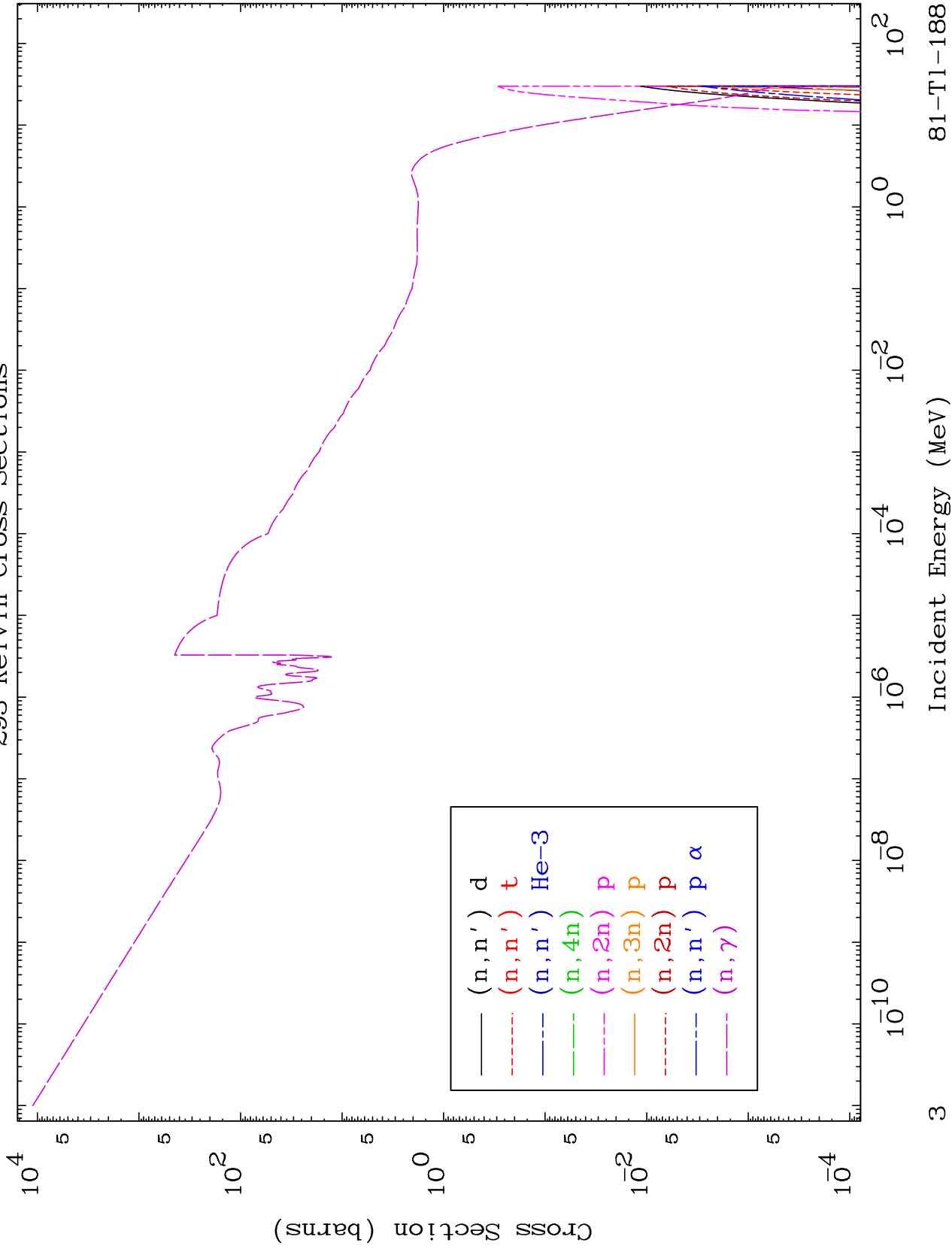


MAT 8080

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-188

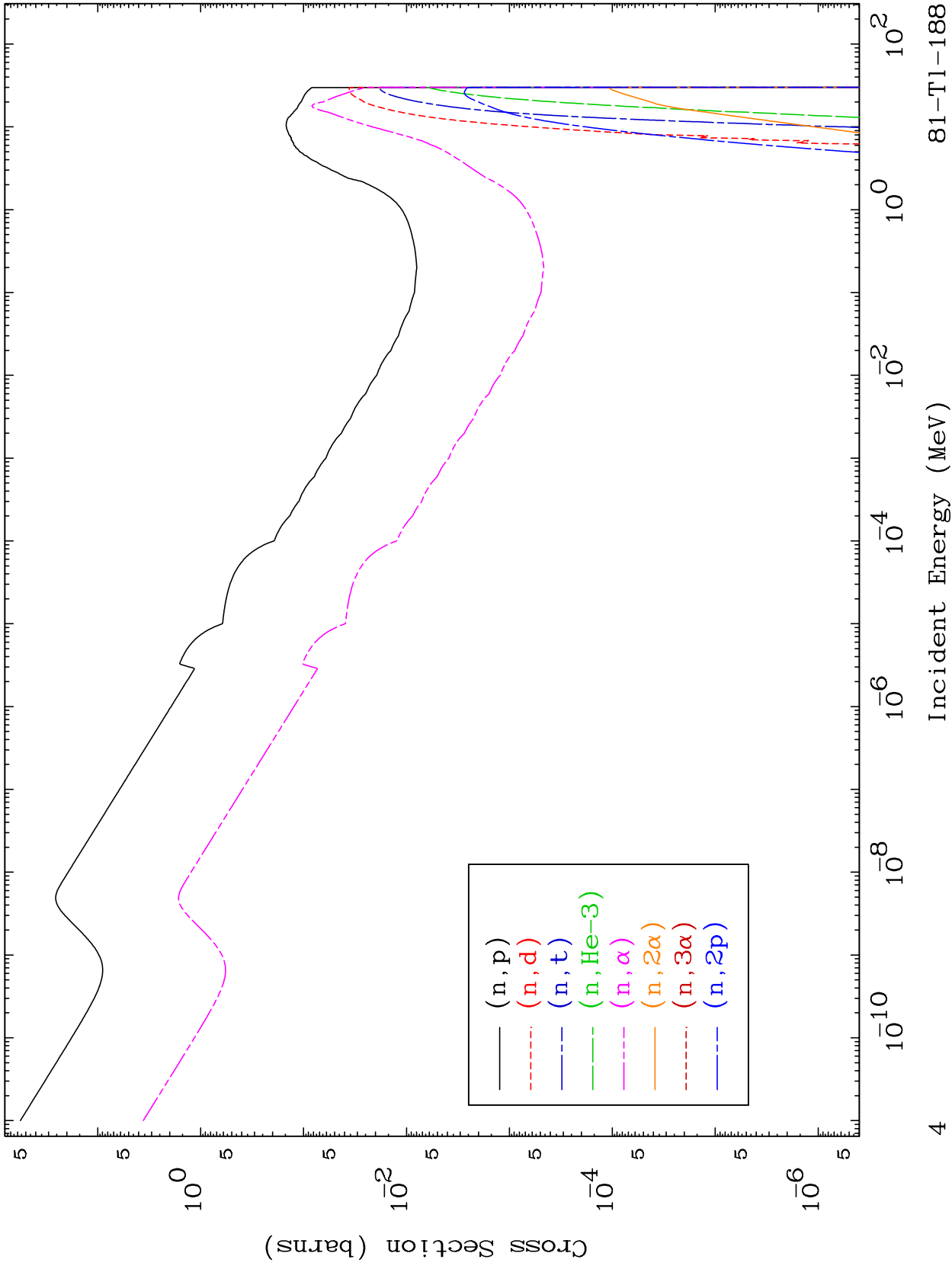


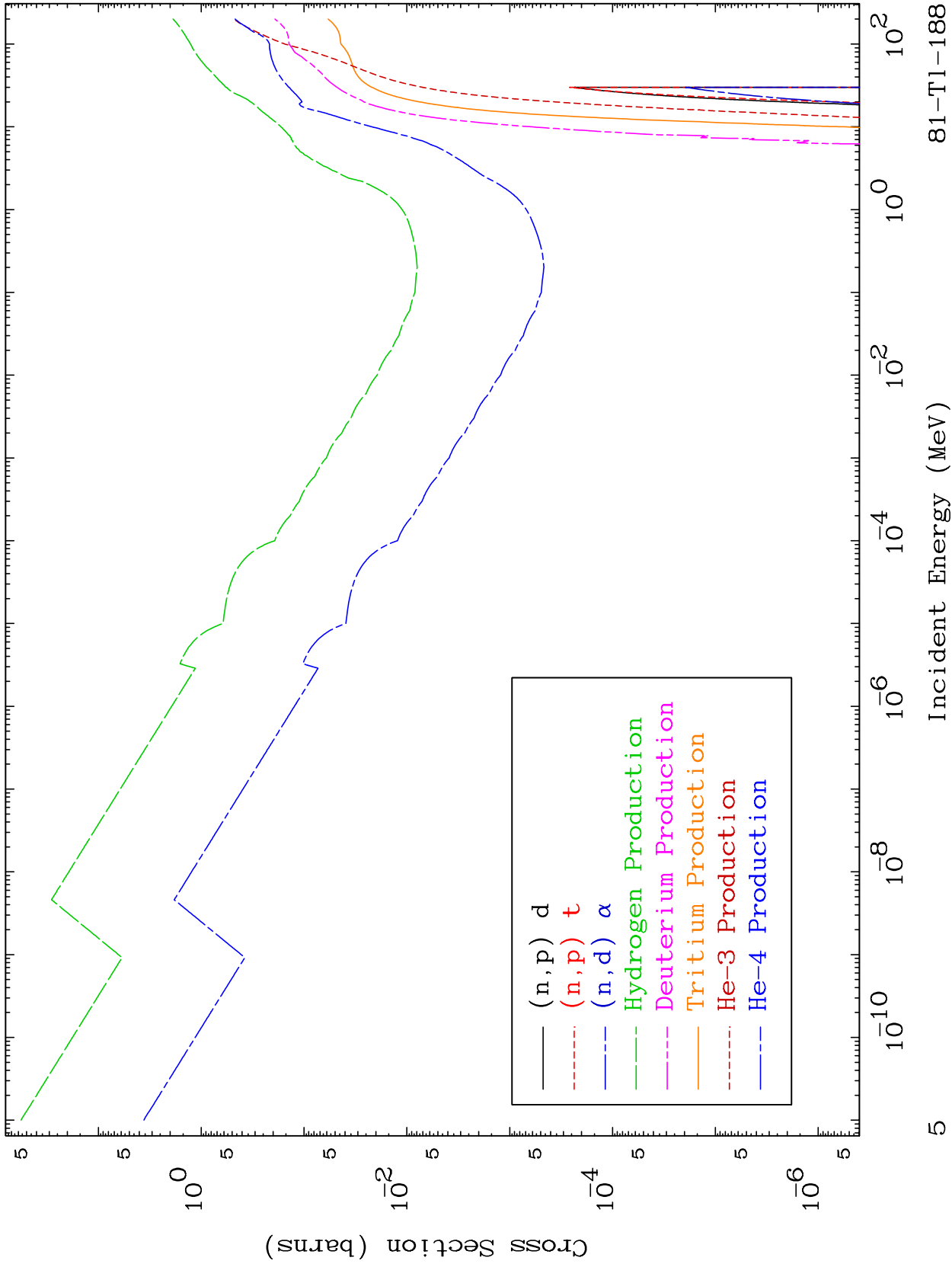


MAT 8080

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-188

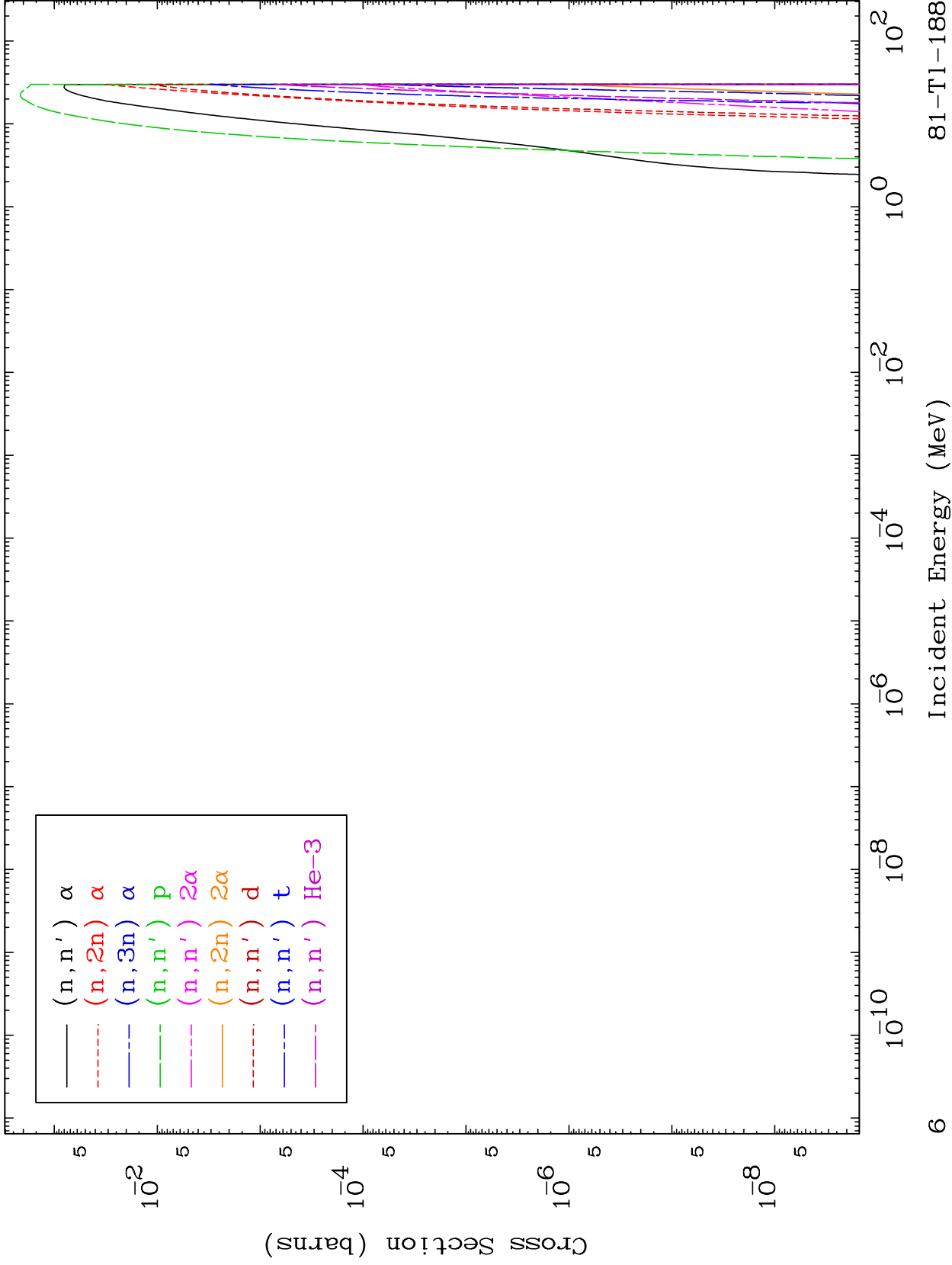




MAT 8080

Charged Particle
293 Kelvin Cross Sections

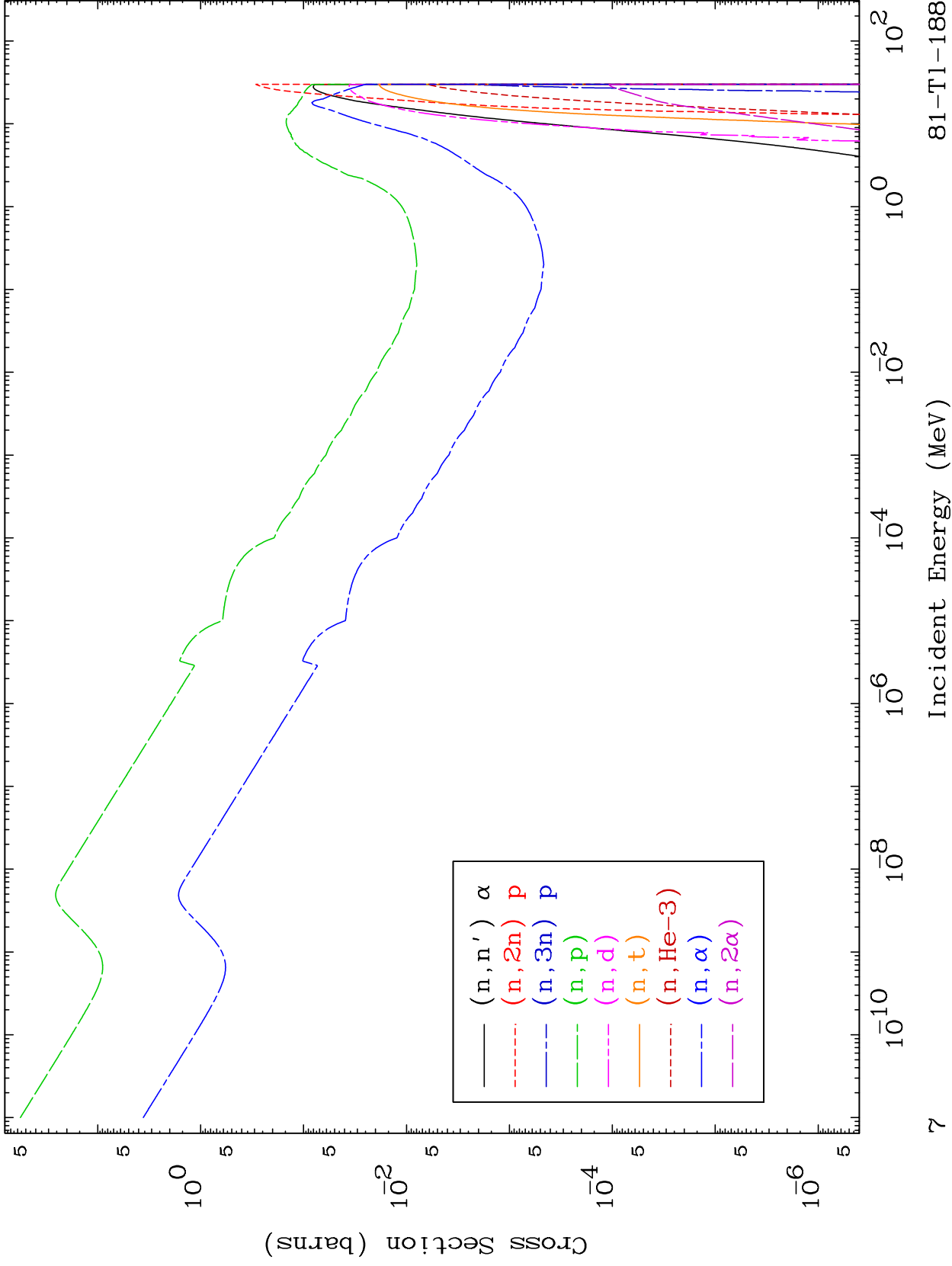
81-Tl-188



MAT 8080

Charged Particle
293 Kelvin Cross Sections

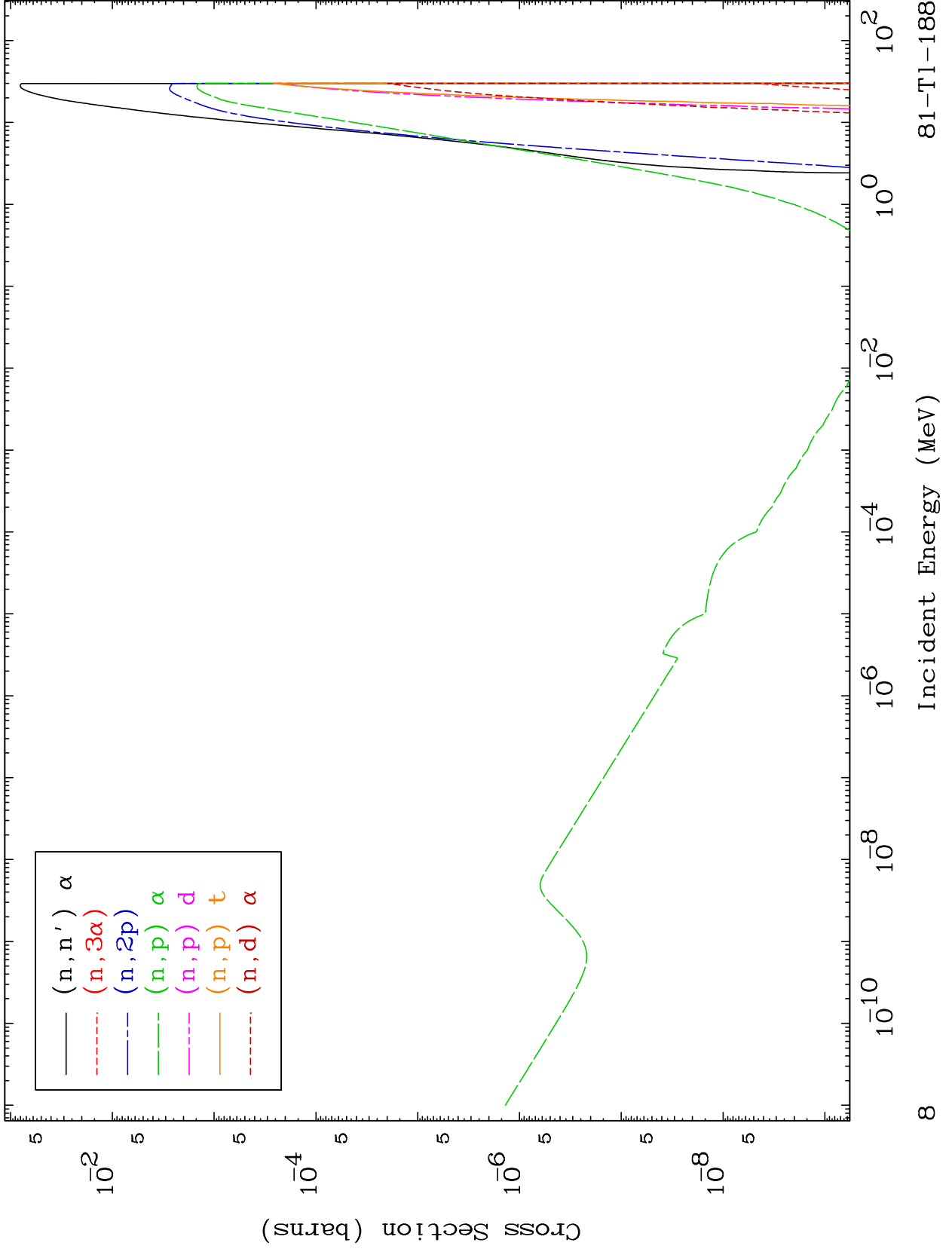
81-Tl-188

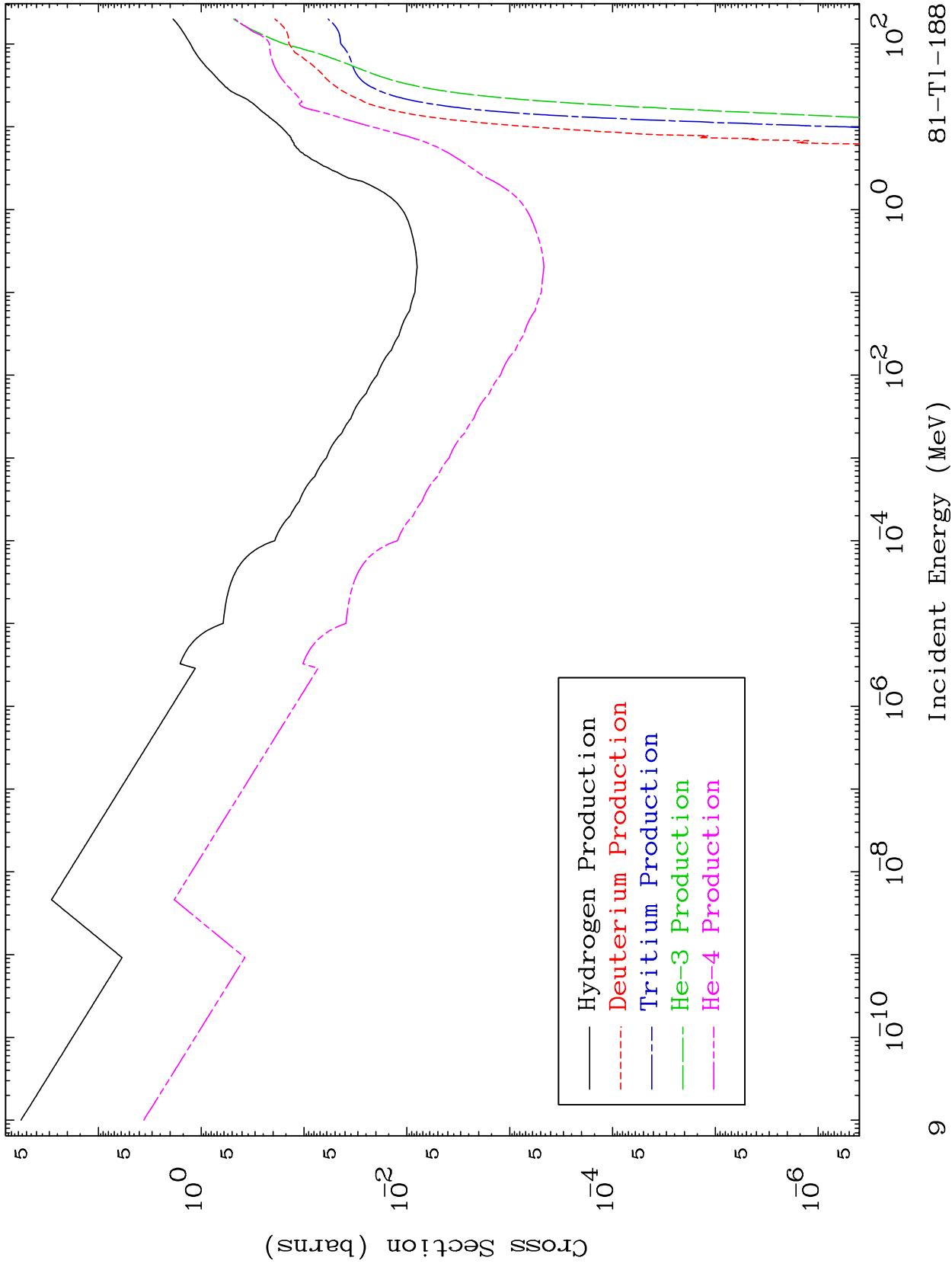


MAT 8080

Charged Particle
293 Kelvin Cross Sections

81-Tl-188

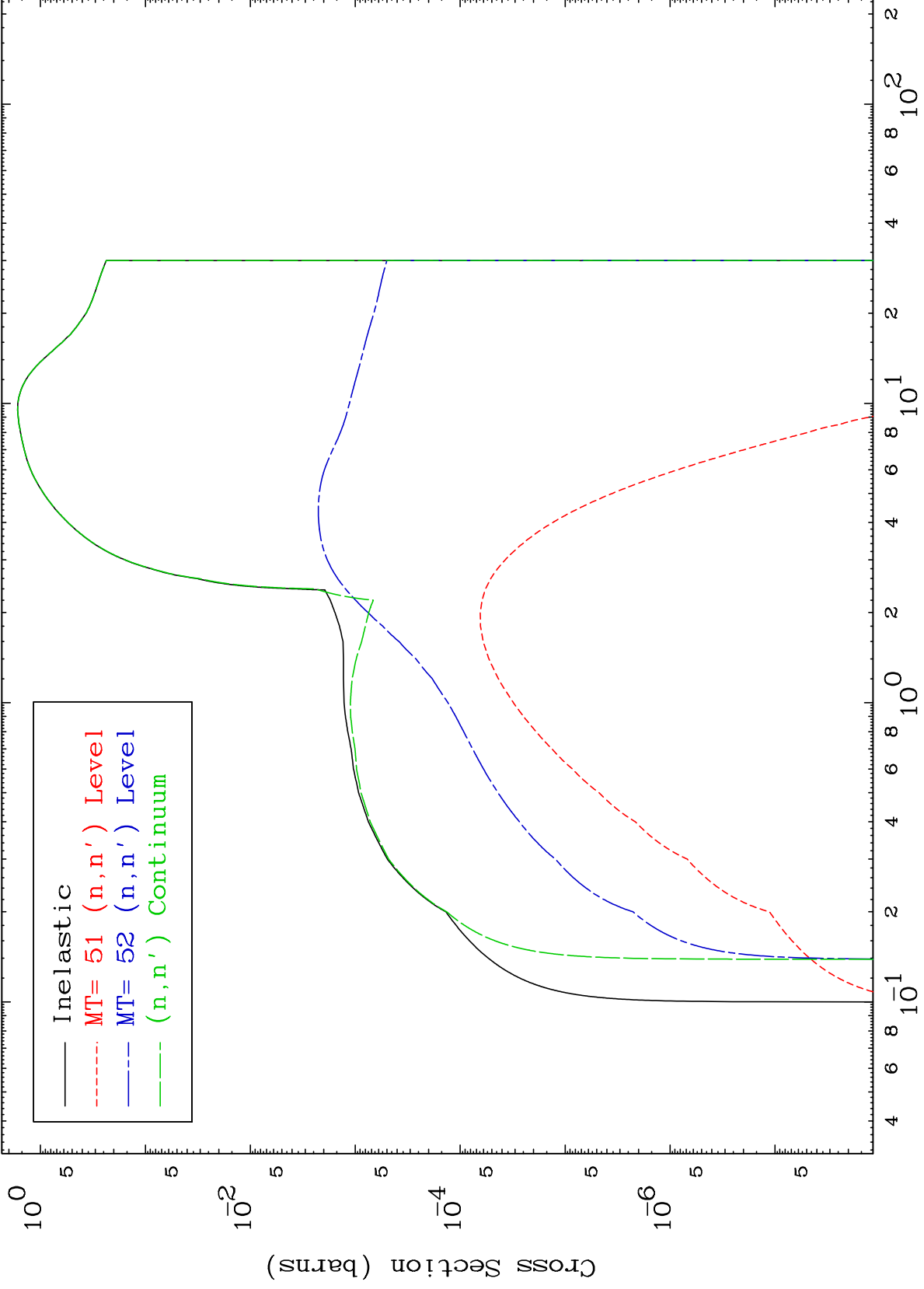




MAT 8080

293 Kelvin Cross Sections
(n,n') Levels

81-Tl-188



10

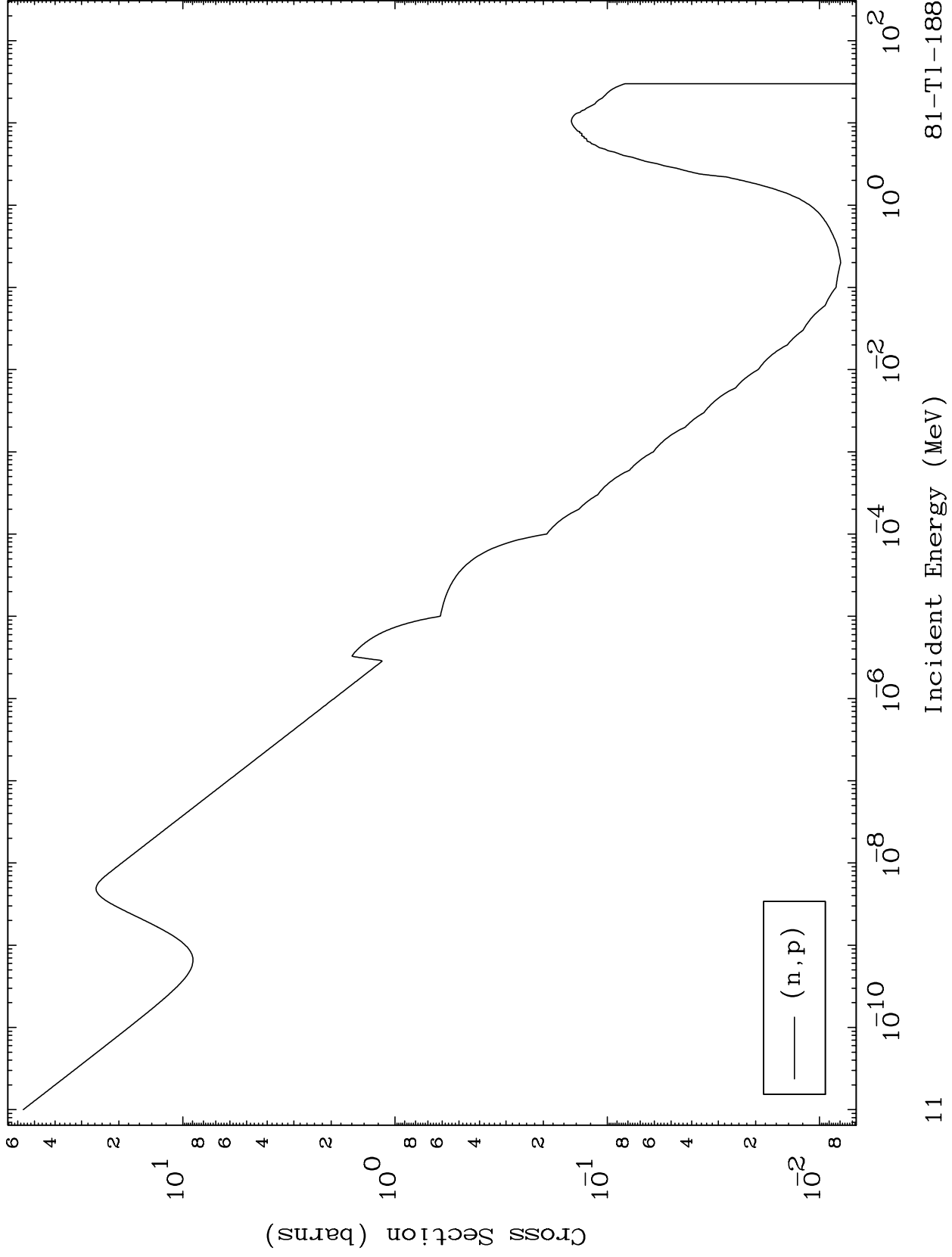
Incident Energy (MeV)

81-Tl-188

MAT 8080

(n,p) Levels
293 Kelvin Cross Sections

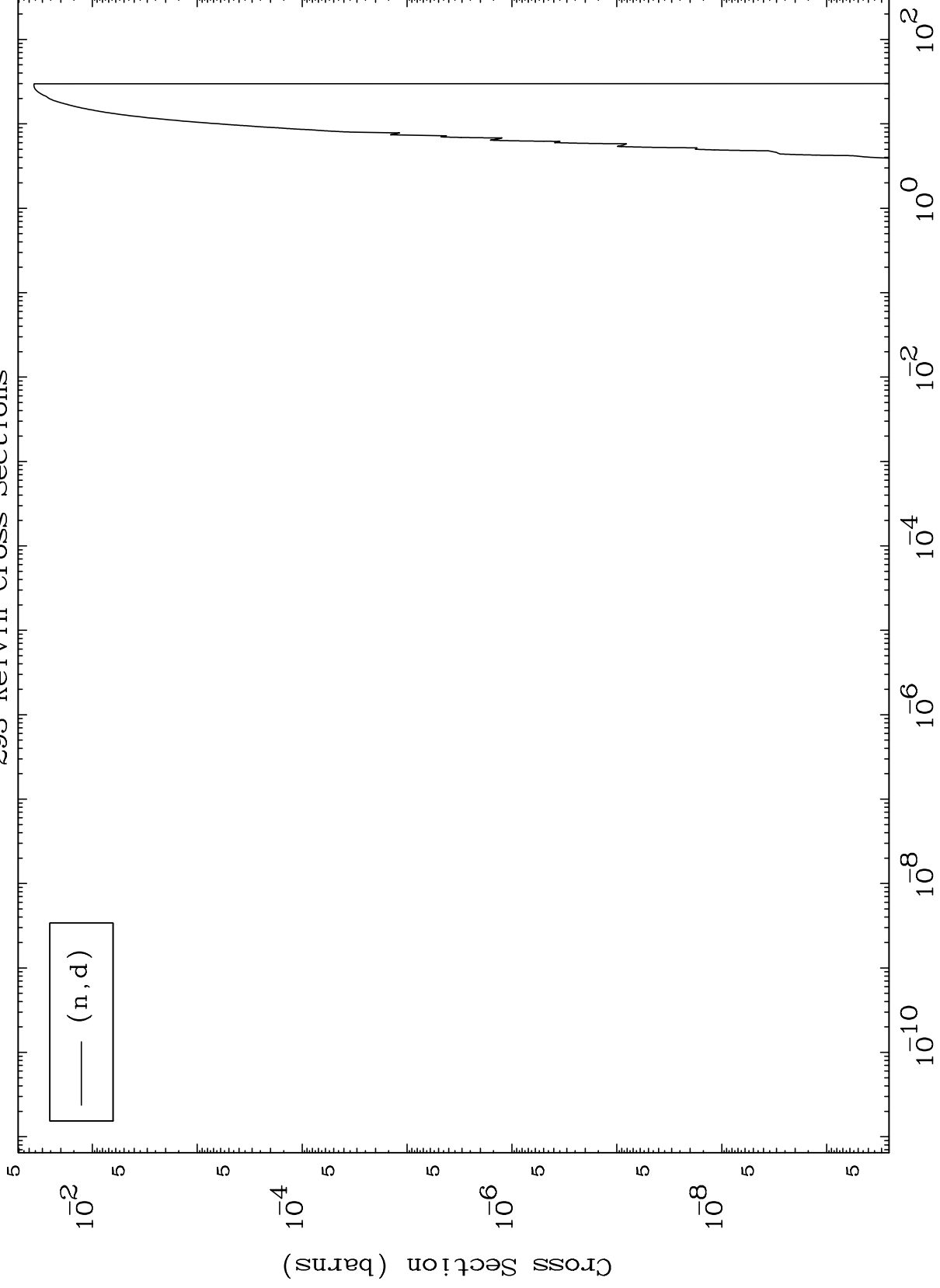
81-Tl-188



MAT 8080

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-188



12

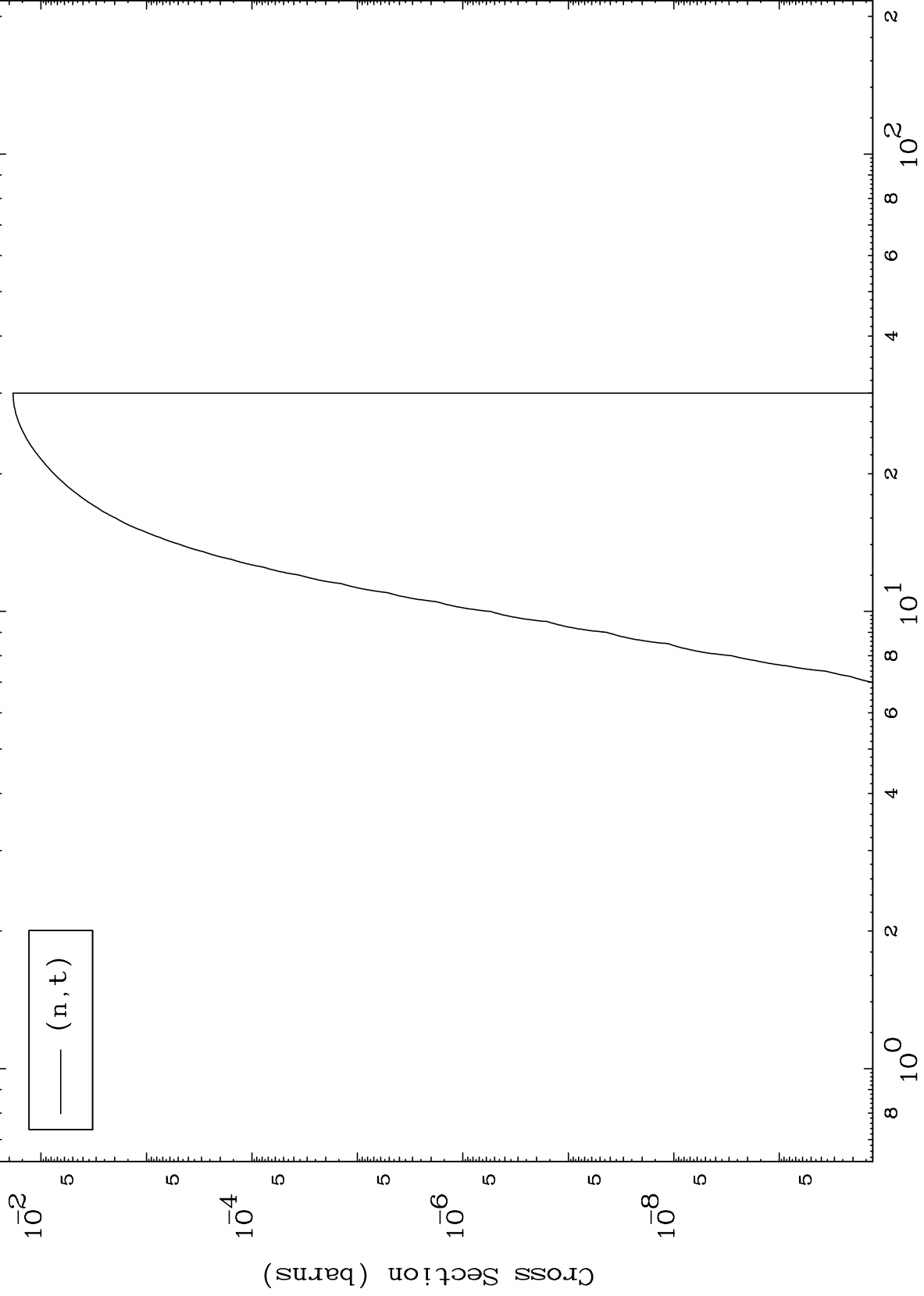
Incident Energy (MeV)

81-Tl-188

MAT 8080

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-188



13

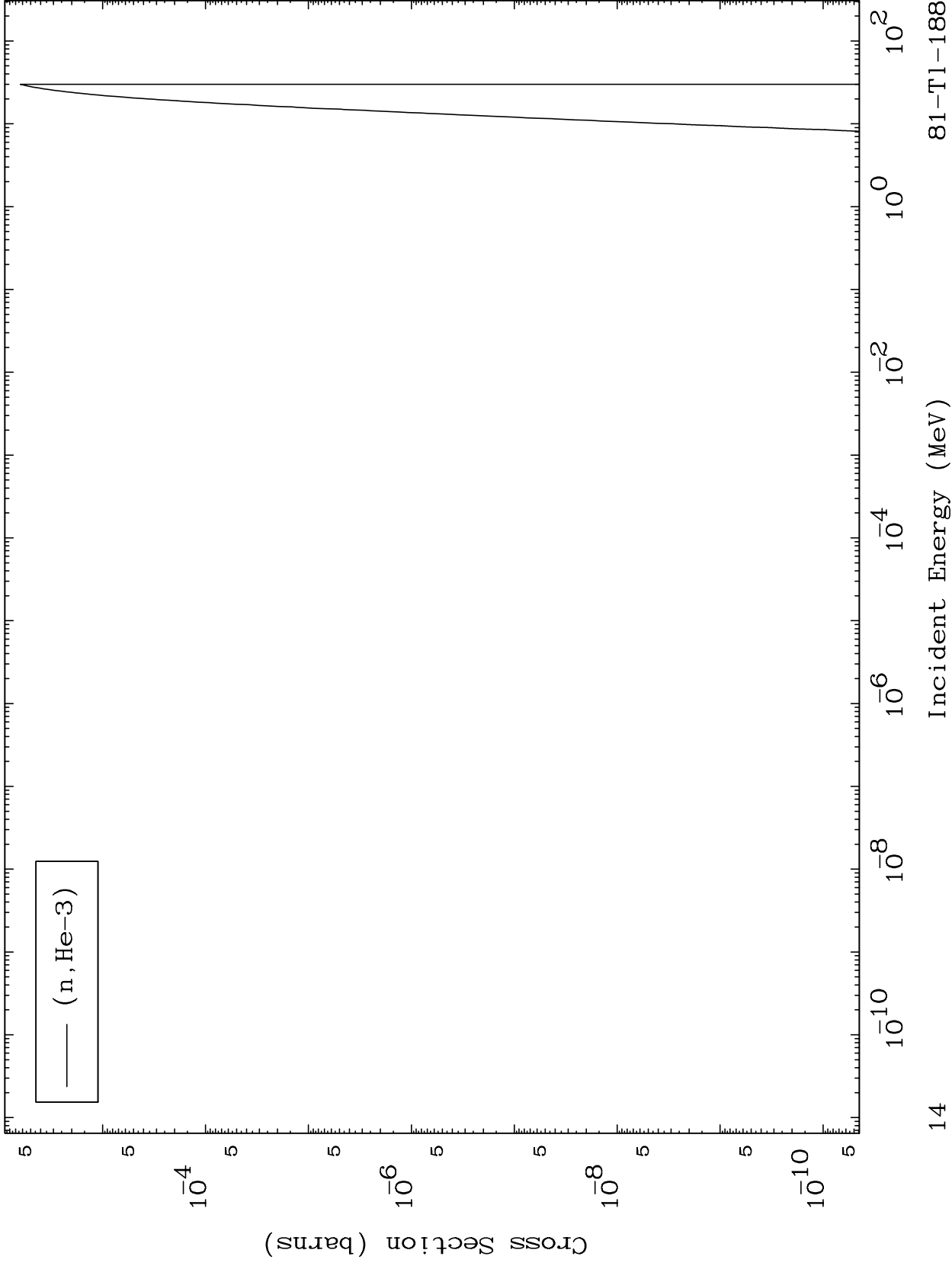
Incident Energy (MeV)

81-Tl-188

MAT 8080

(n,He3) Levels
293 Kelvin Cross Sections

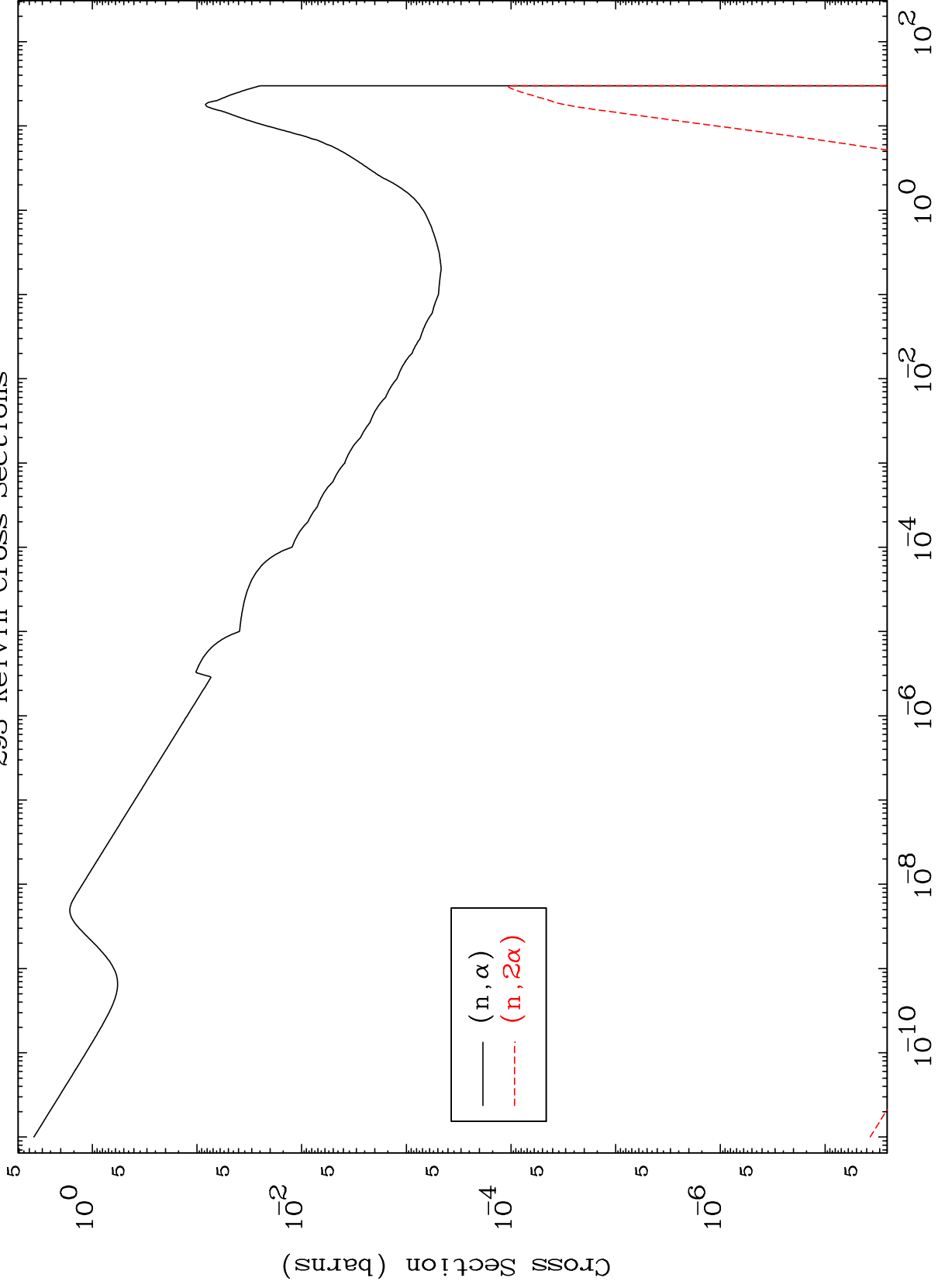
81-Tl-188



MAT 8080

(n,α) Levels
293 Kelvin Cross Sections

81-Tl-188



15

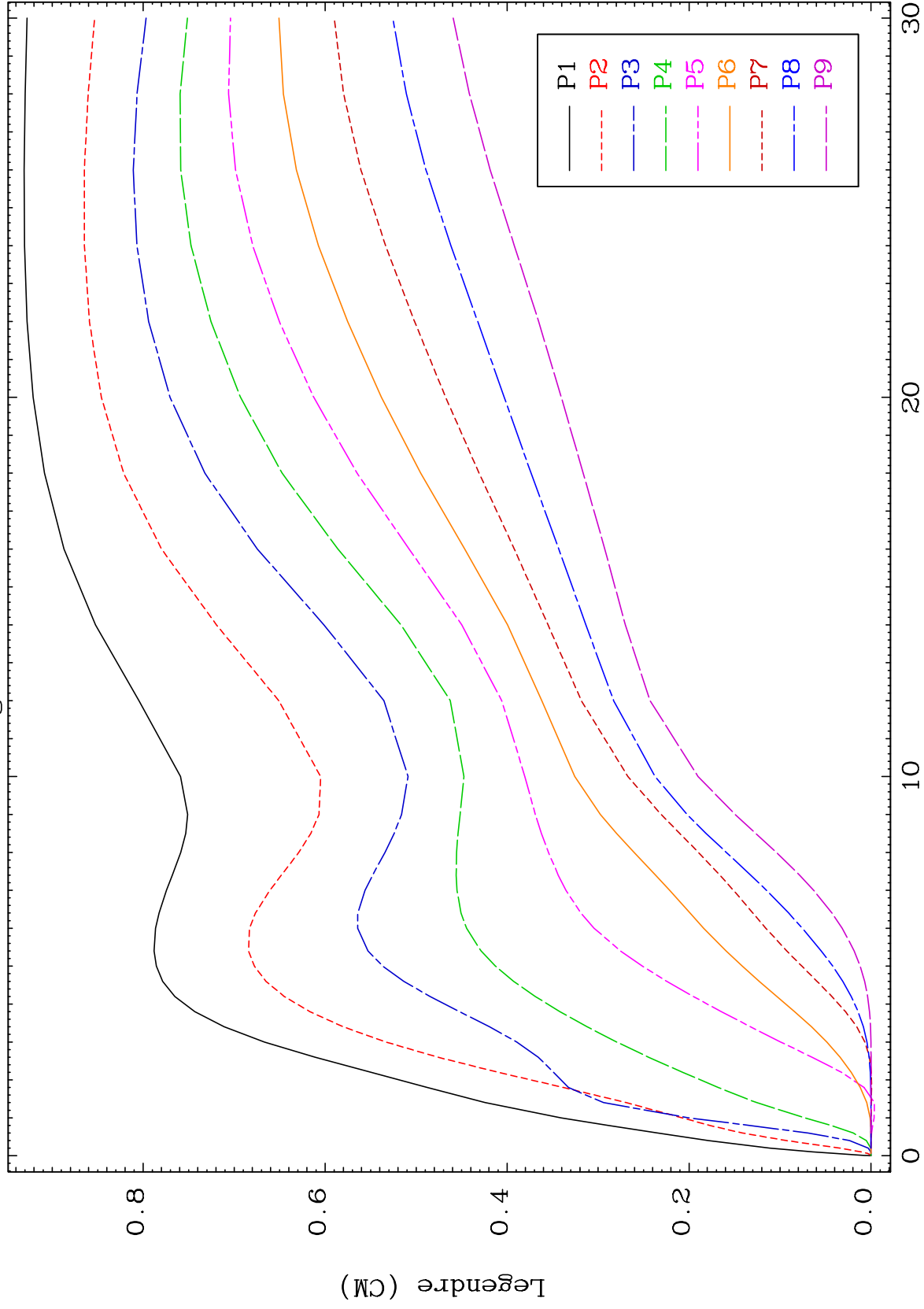
Incident Energy (MeV)

81-Tl-188

MAT 8080

Elastic Legendre Coefficients

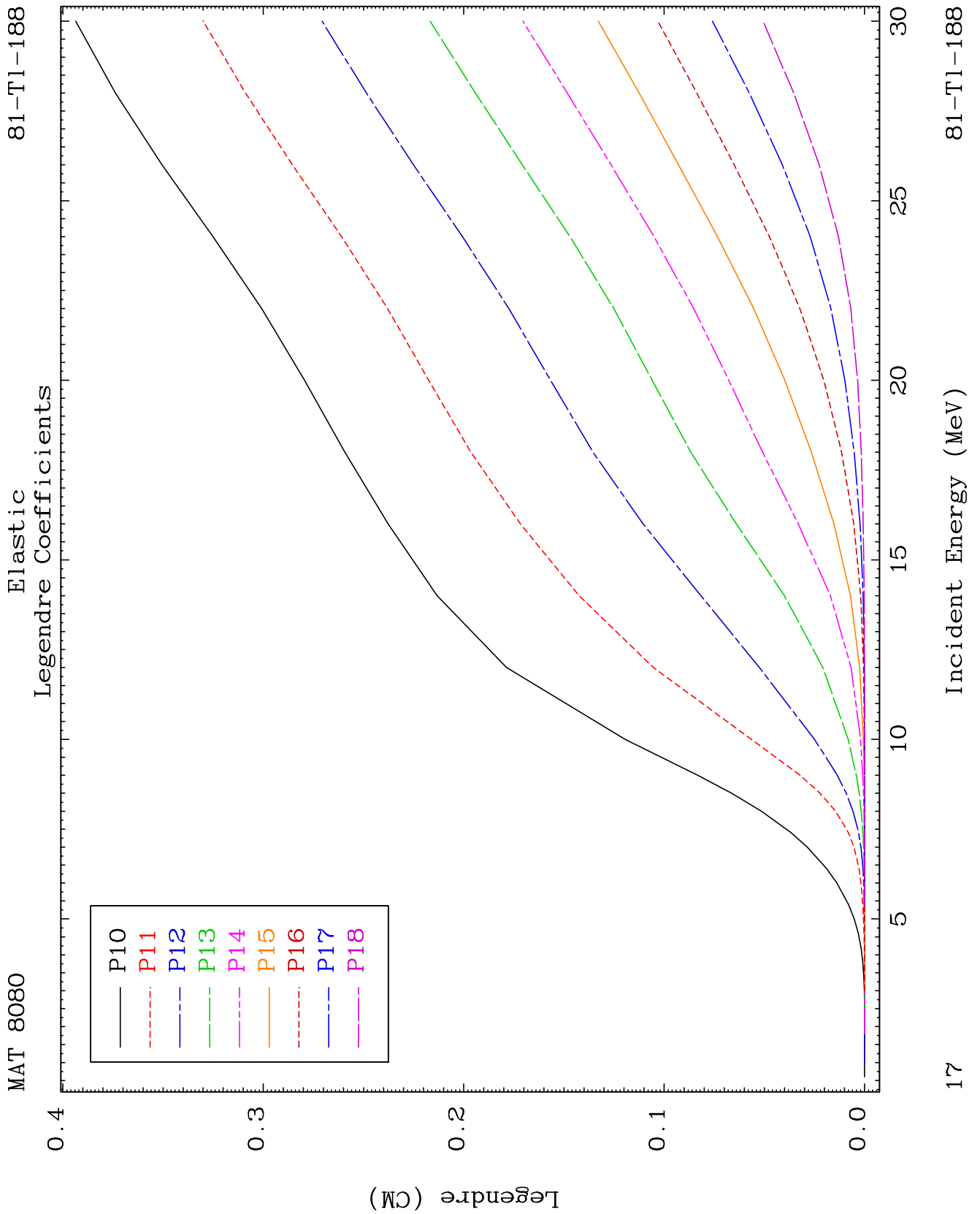
81-Tl-188



16

Incident Energy (MeV)

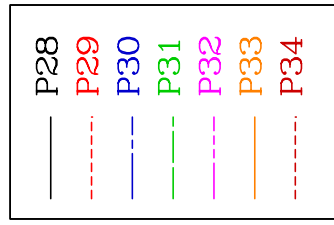
81-Tl-188



MAT 8080

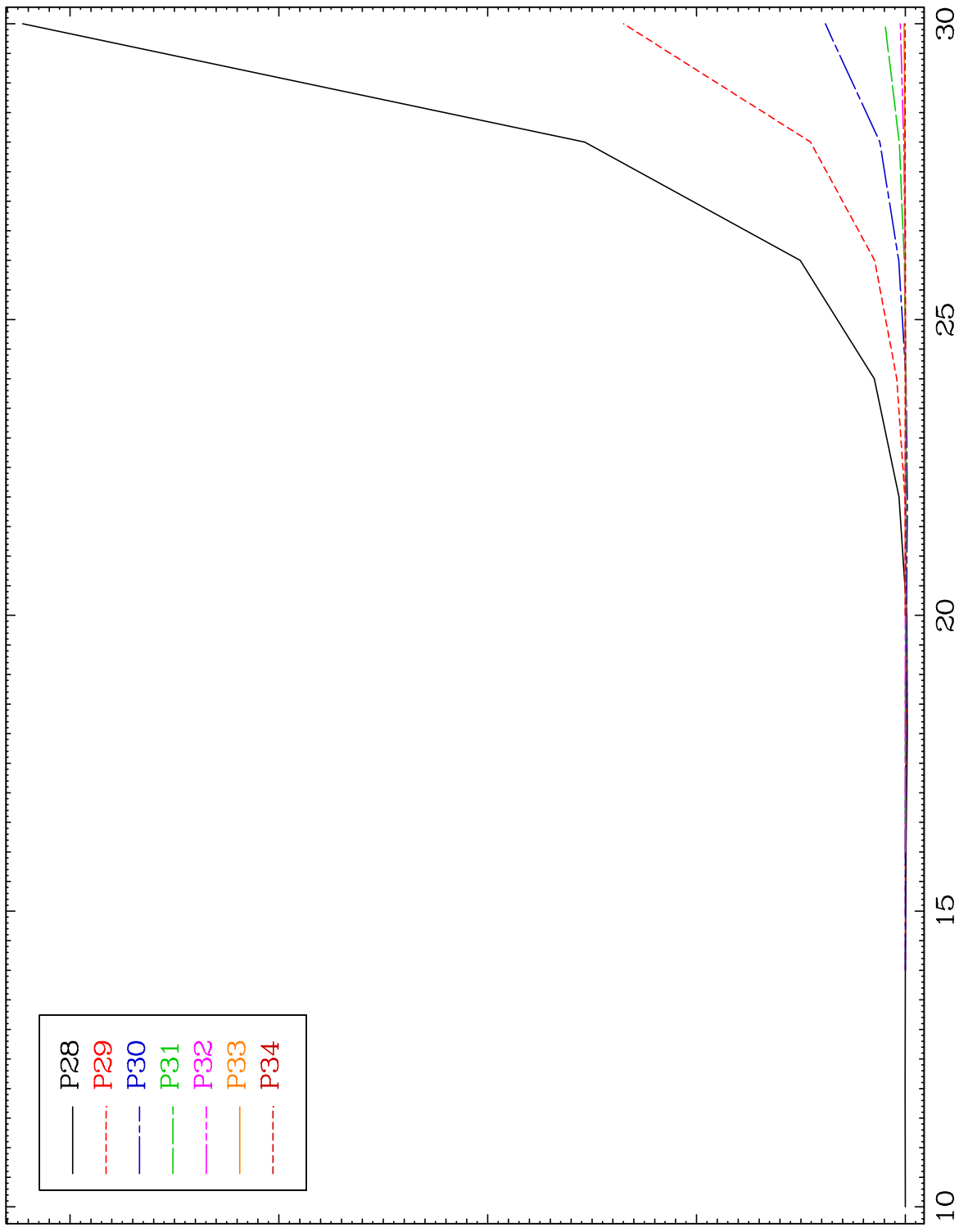
Elastic
Legendre Coefficients

81-Tl-188



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

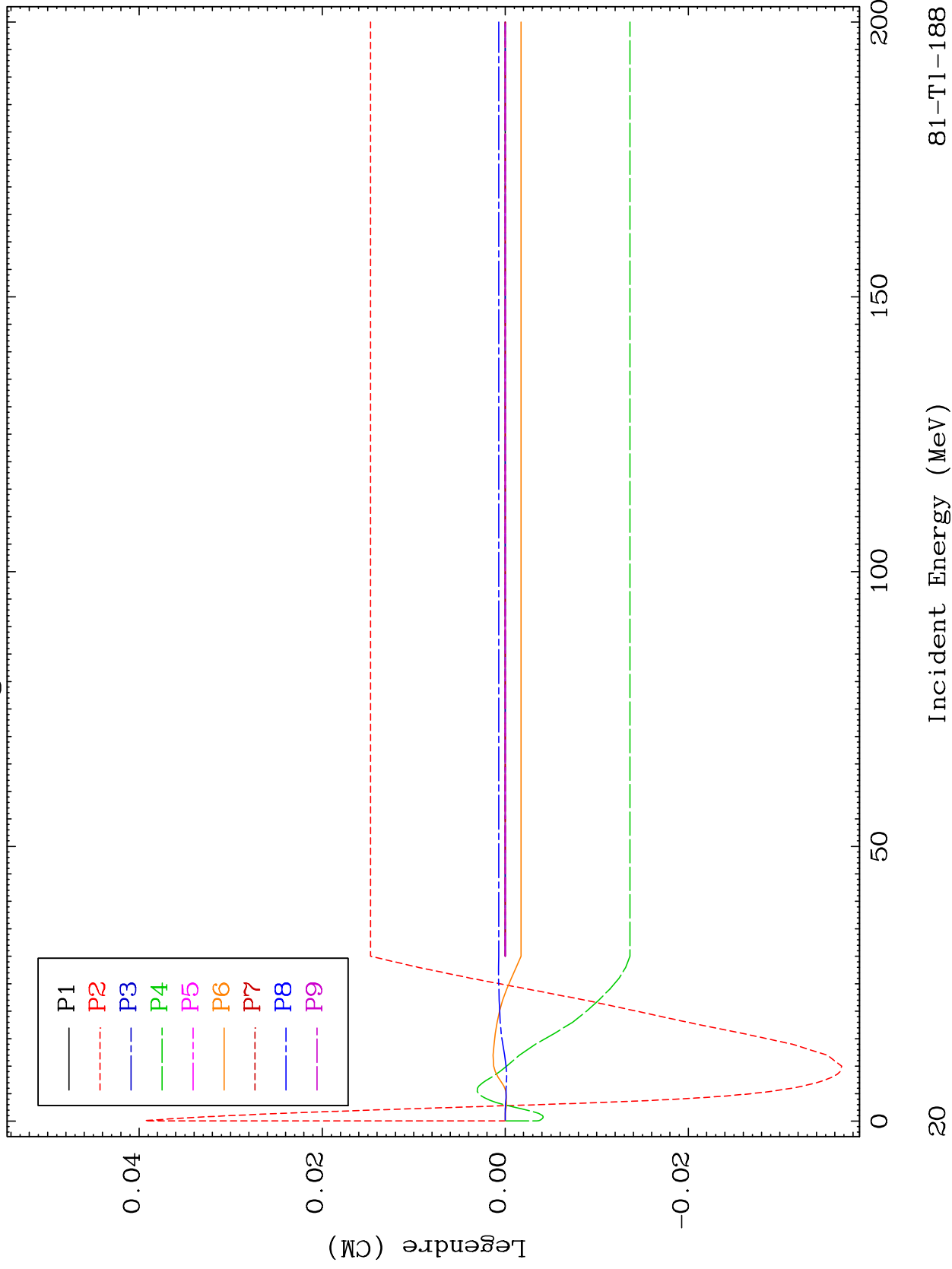
Incident Energy (MeV)

81-Tl-188

MAT 8080

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

81-Tl-188



81-Tl-188

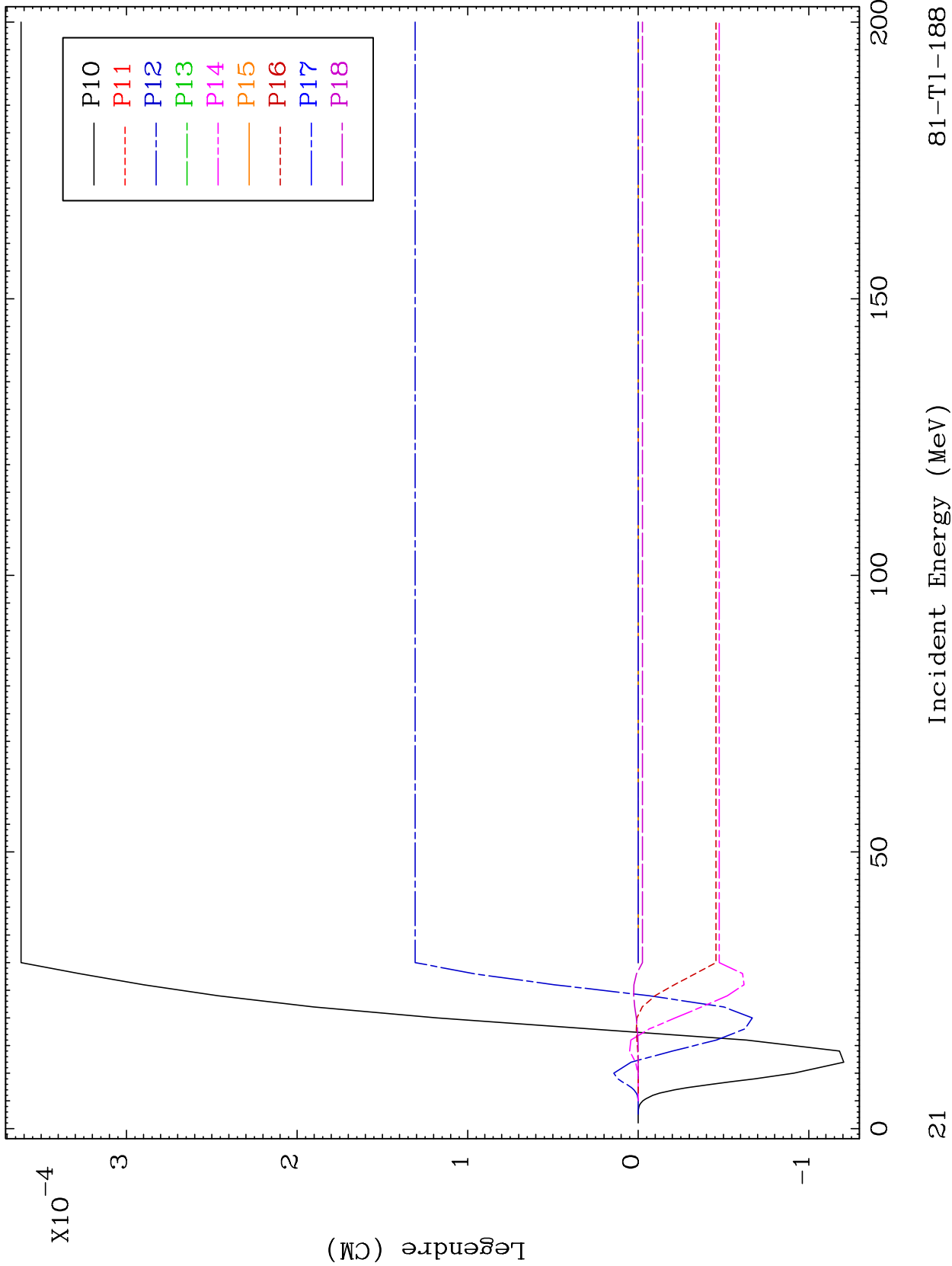
Incident Energy (MeV)

20

MAT 8080

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

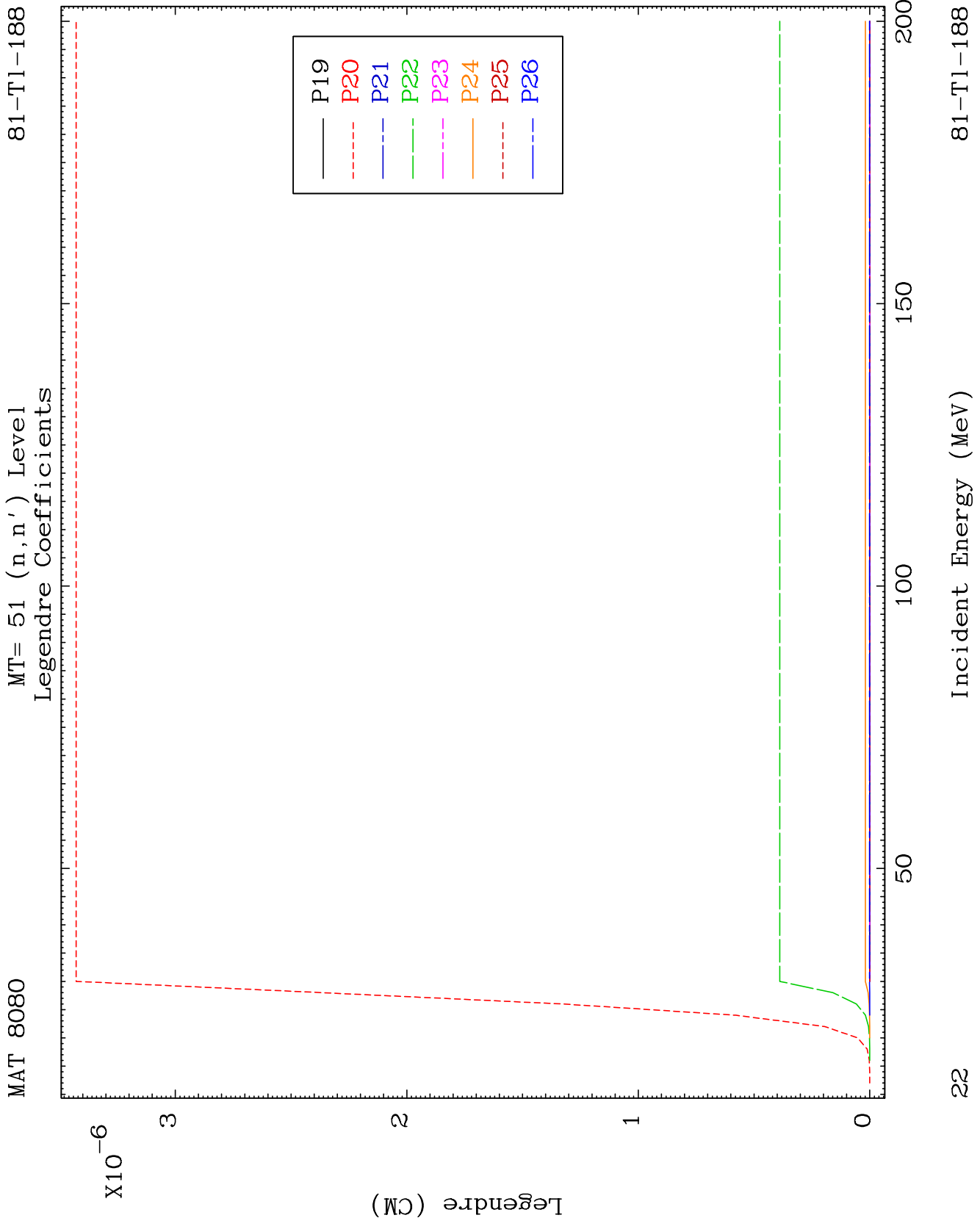
81-Tl-188

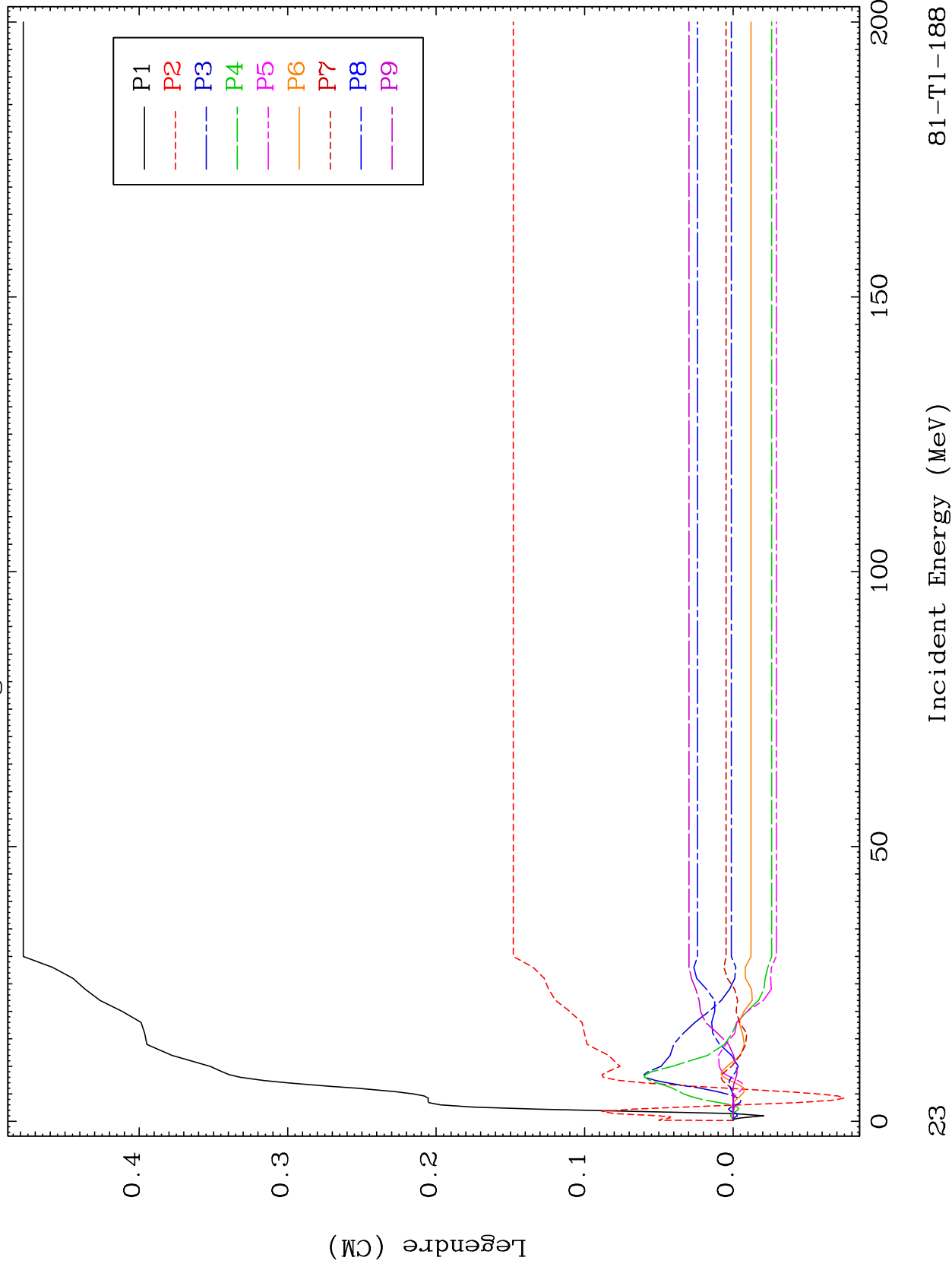


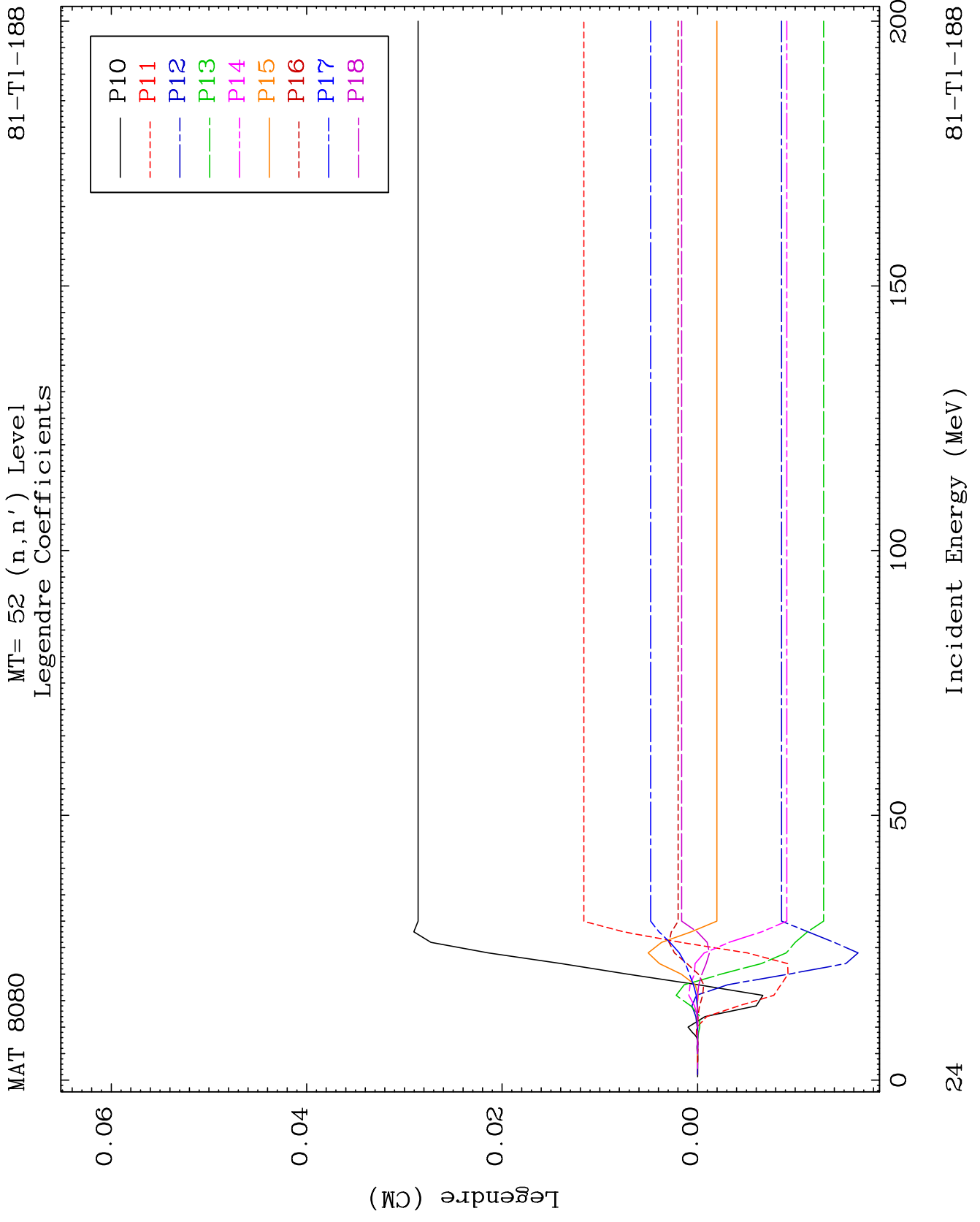
81-Tl-188

Incident Energy (MeV)

21



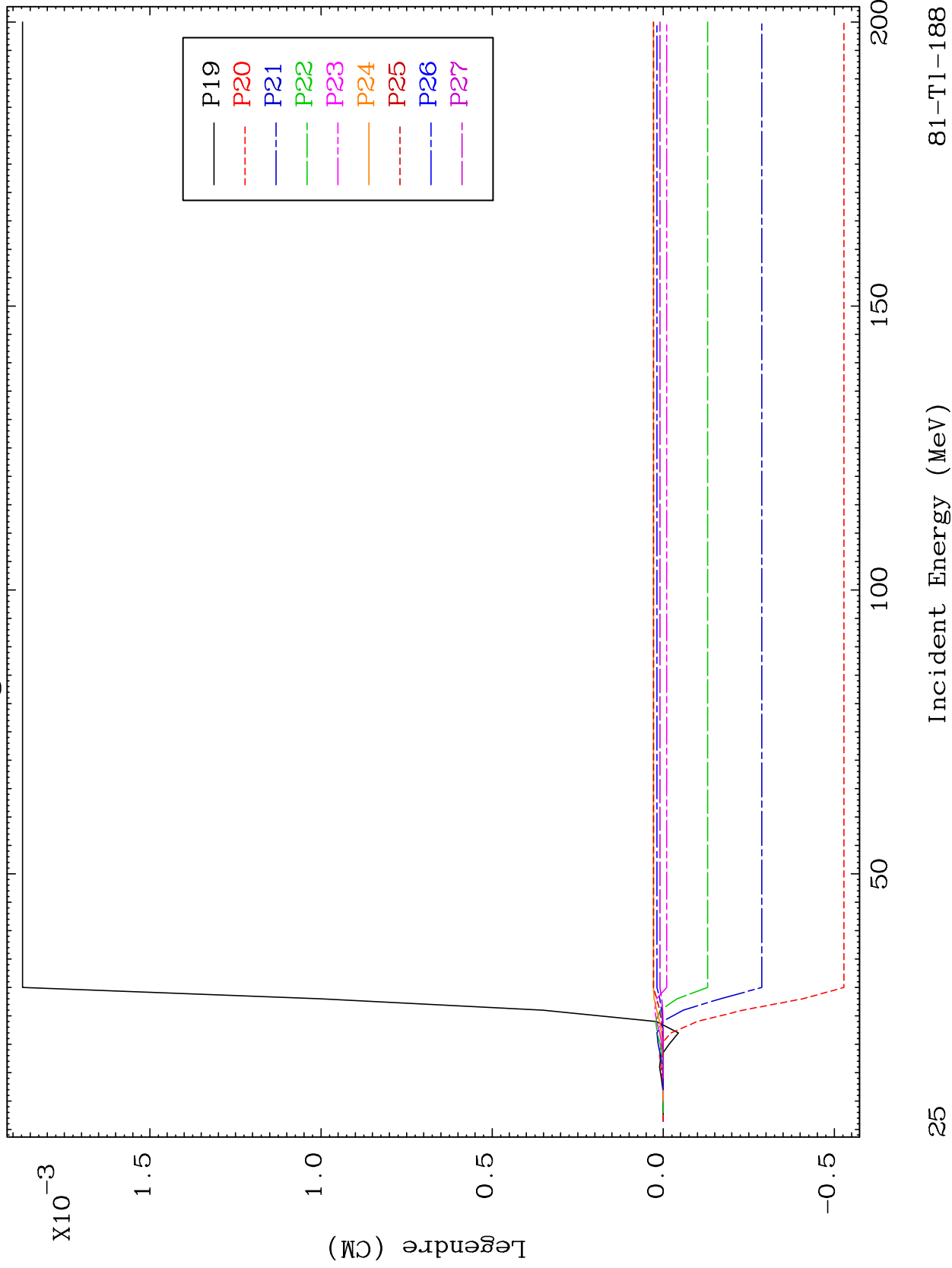




MAT 8080

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

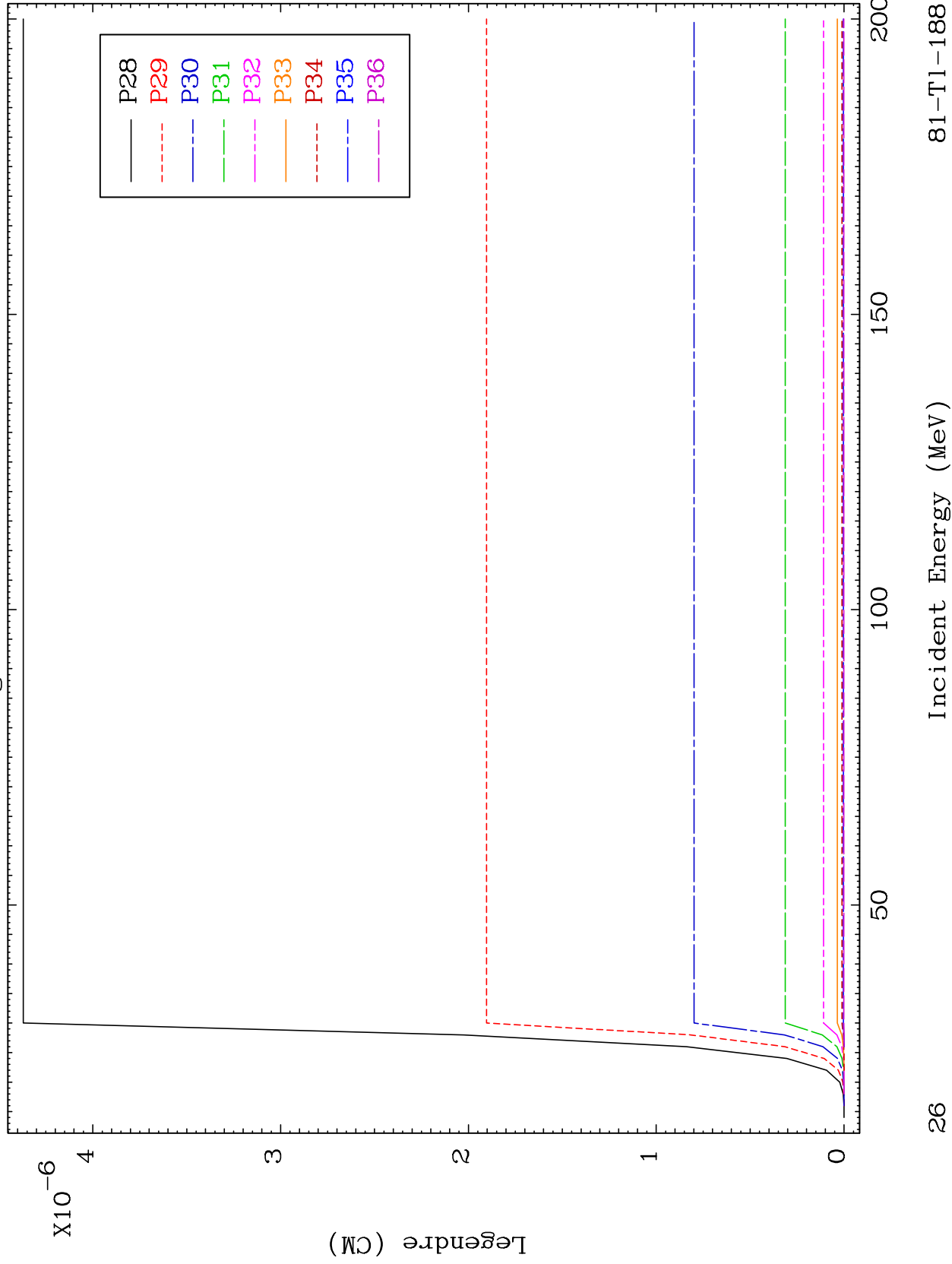
81-Tl-188



MAT 8080

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

81-Tl-188



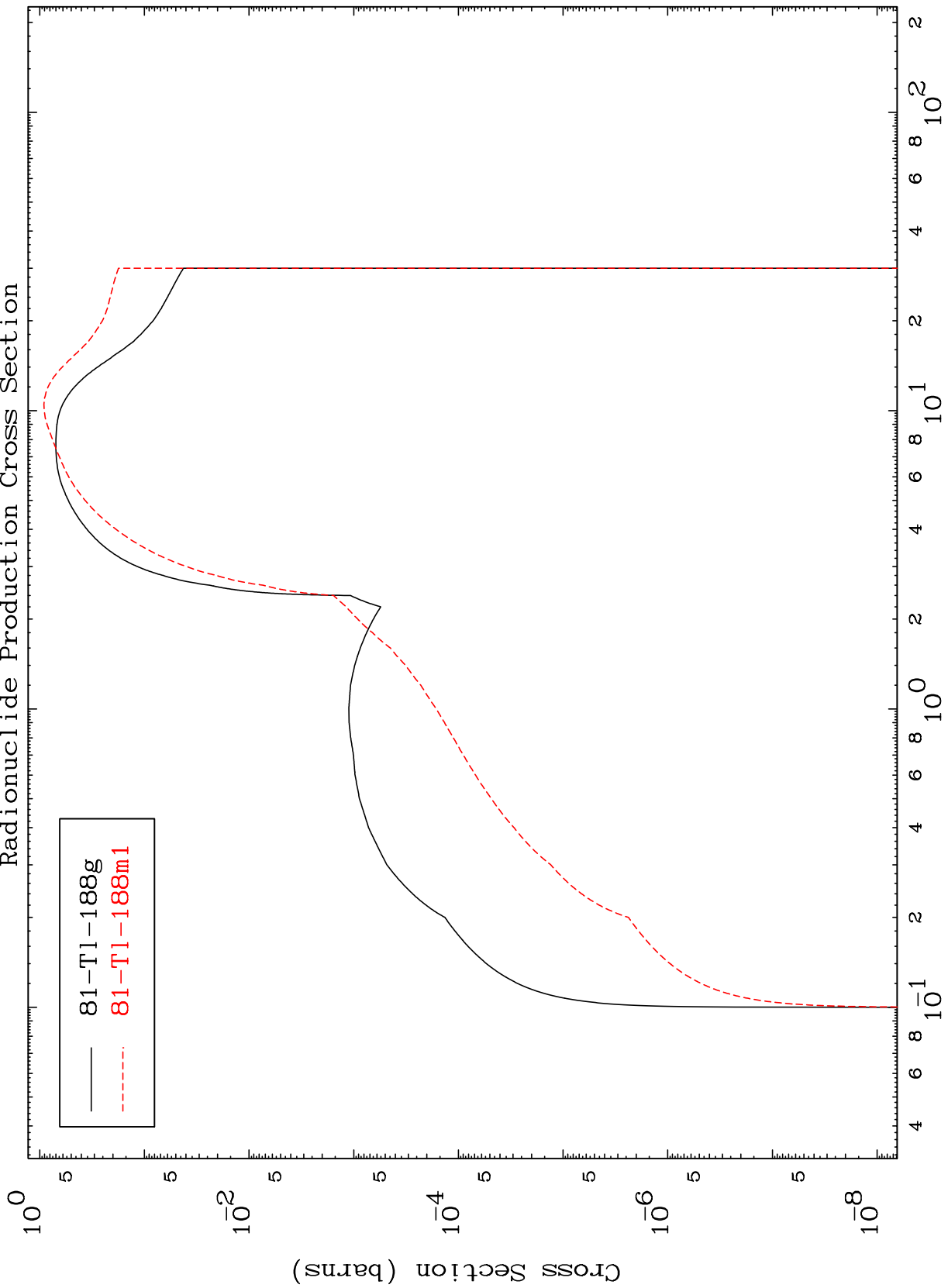
26

81-Tl-188

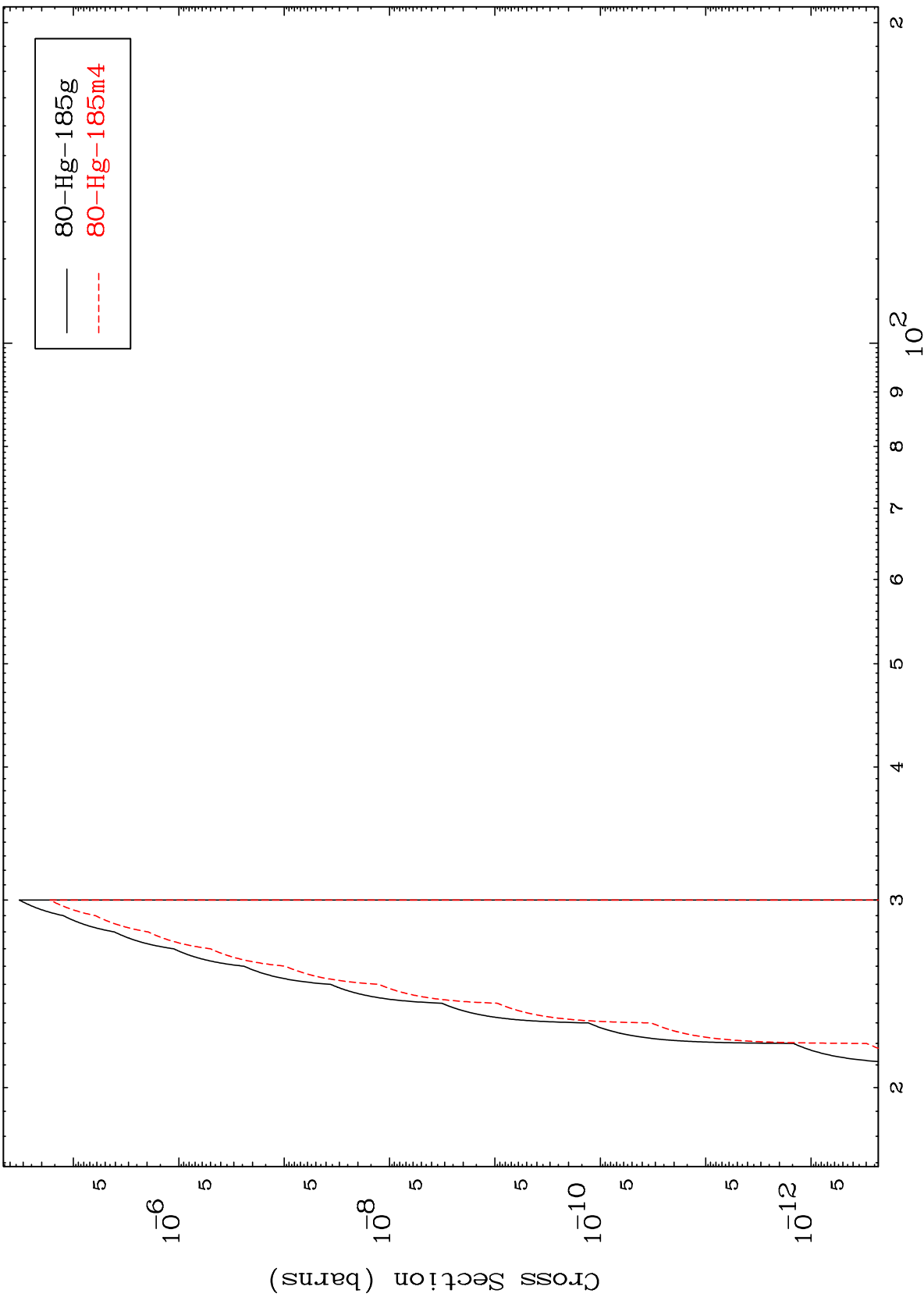
MAT 8080

81-Tl-188

Inelastic
Radionuclide Production Cross Section



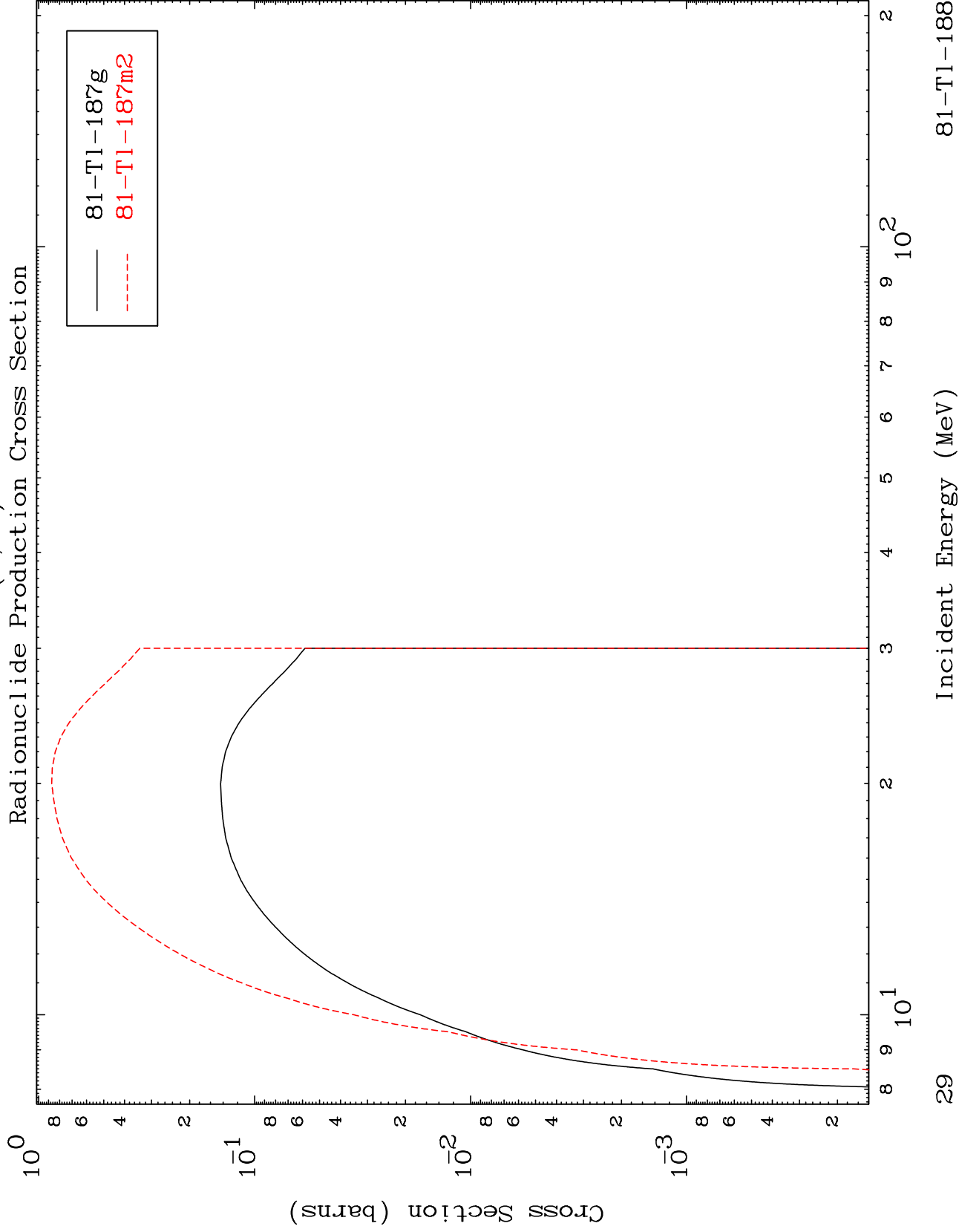
Radionuclide Production Cross Section



MAT 8080

(n,2n)

81-Tl-188



29

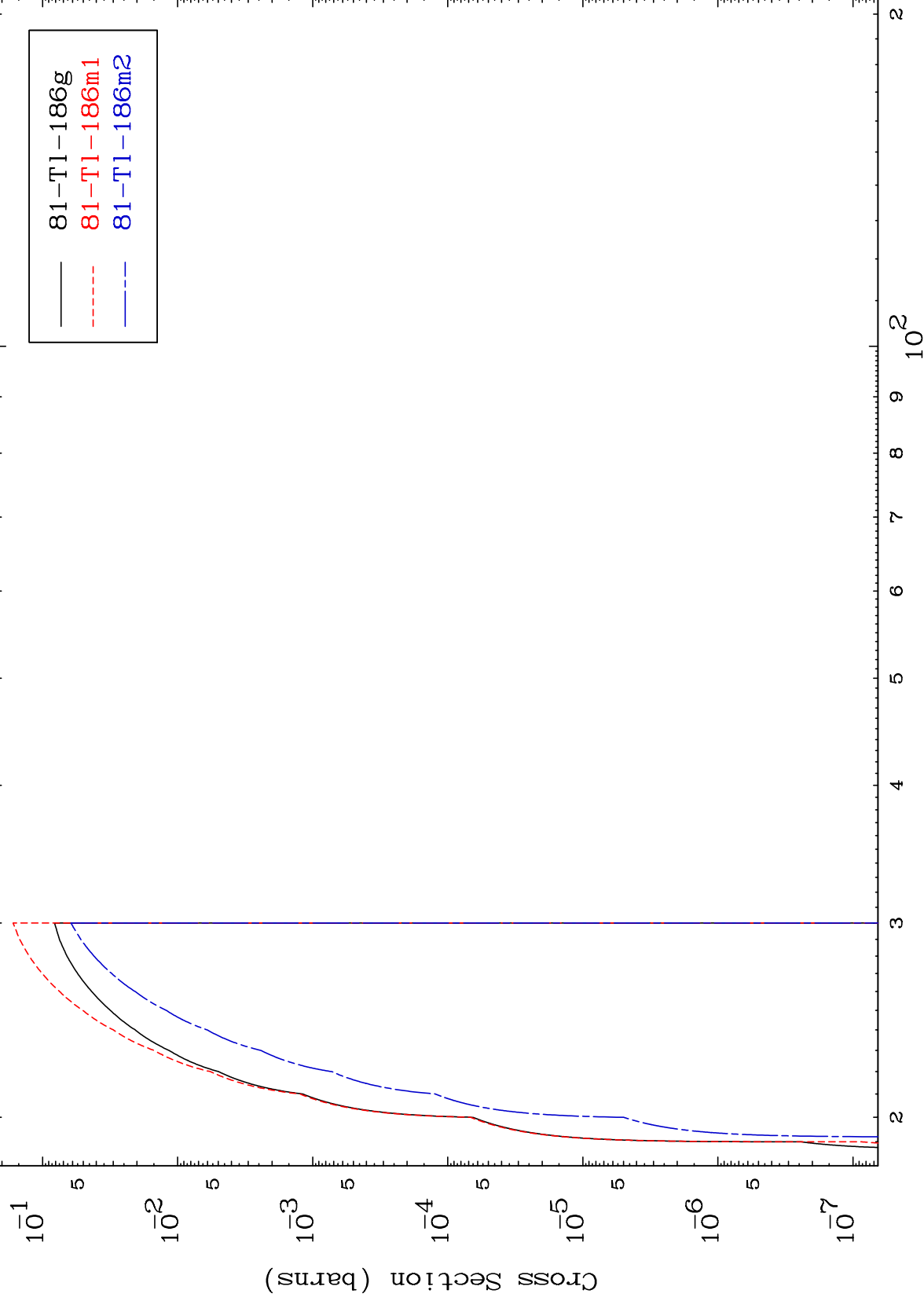
81-Tl-188

MAT 8080

(n,3n)

81-Tl-188

Radionuclide Production Cross Section



30

Incident Energy (MeV)

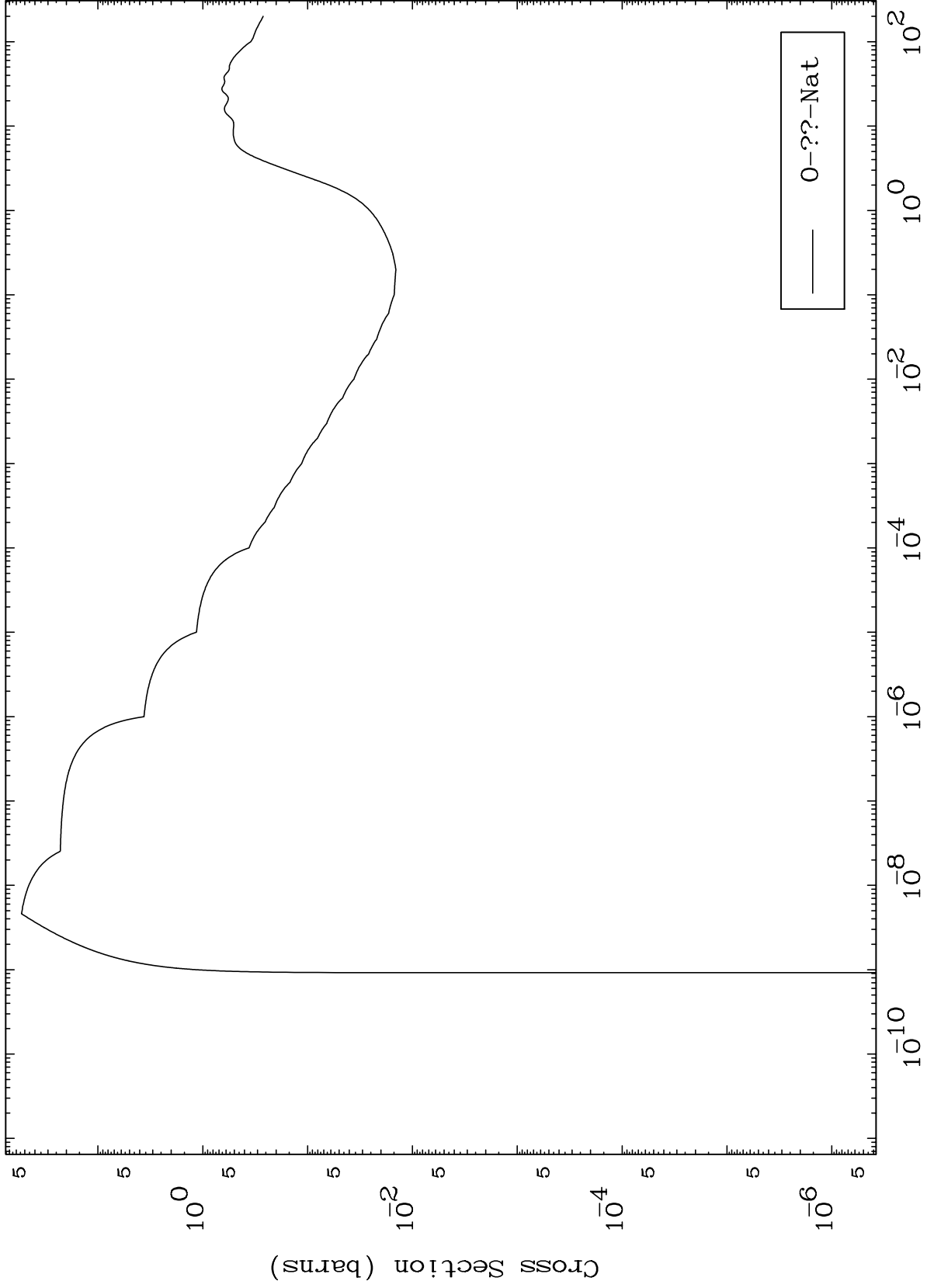
81-Tl-188

MAT 8080

Fission

81-Tl-188

Radionuclide Production Cross Section

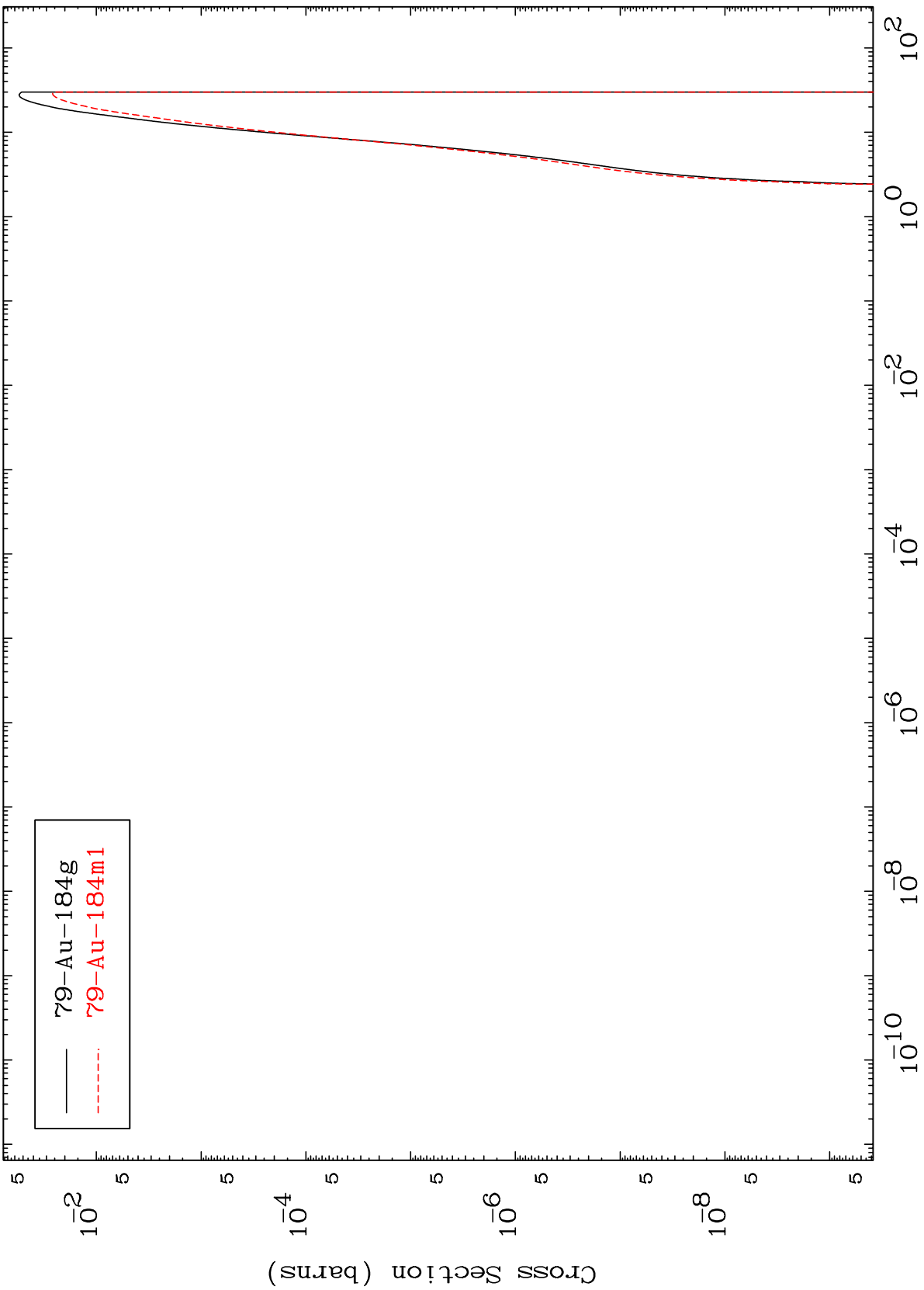


MAT 8080

$(n, n') \alpha$

81-Tl-188

Radionuclide Production Cross Section



— $^{79}\text{Au-184g}$
- - - $^{79}\text{Au-184m1}$

Incident Energy (MeV)

81-Tl-188

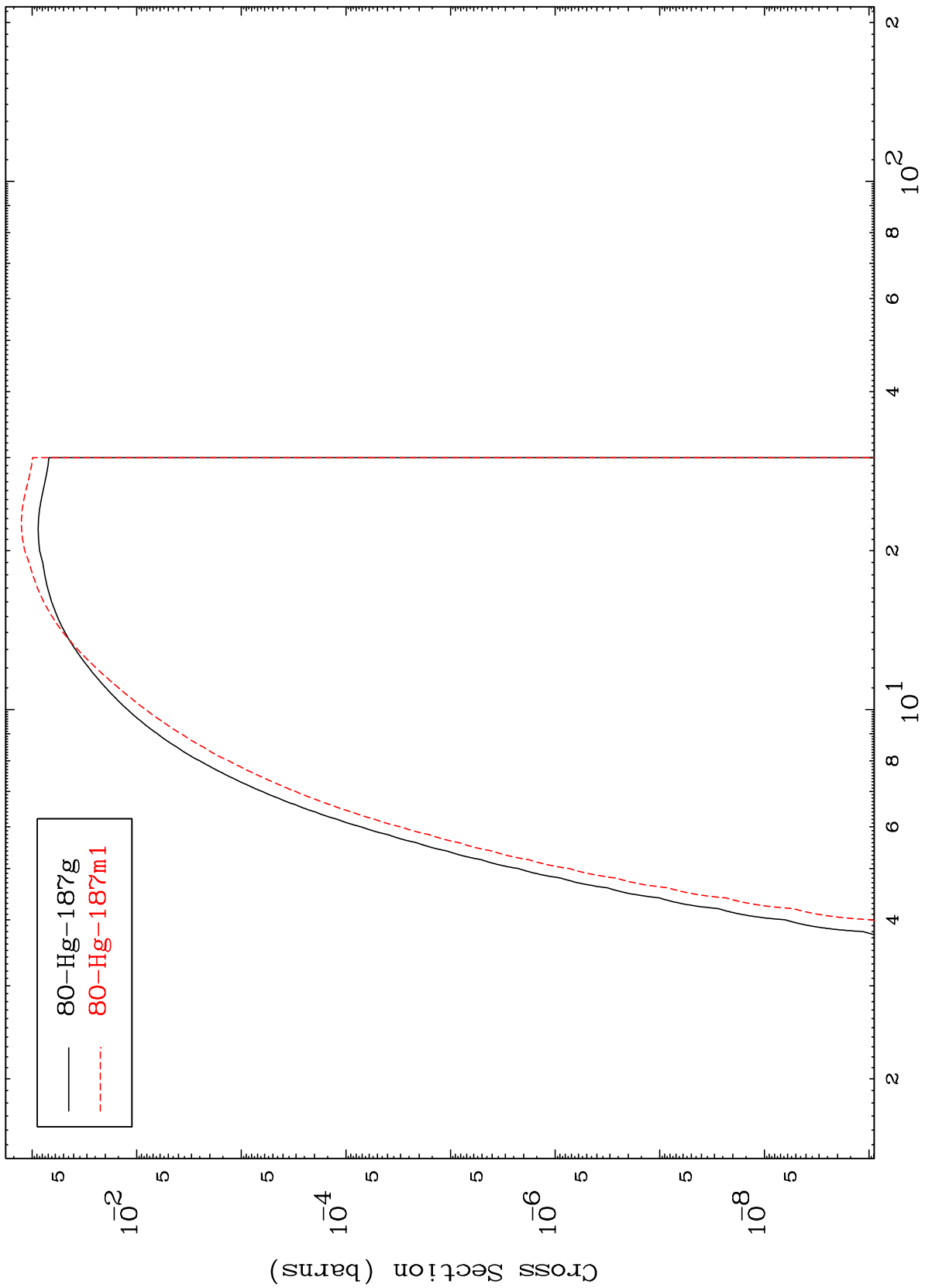
32

MAT 8080

(n,n') p

81-Tl-188

Radionuclide Production Cross Section



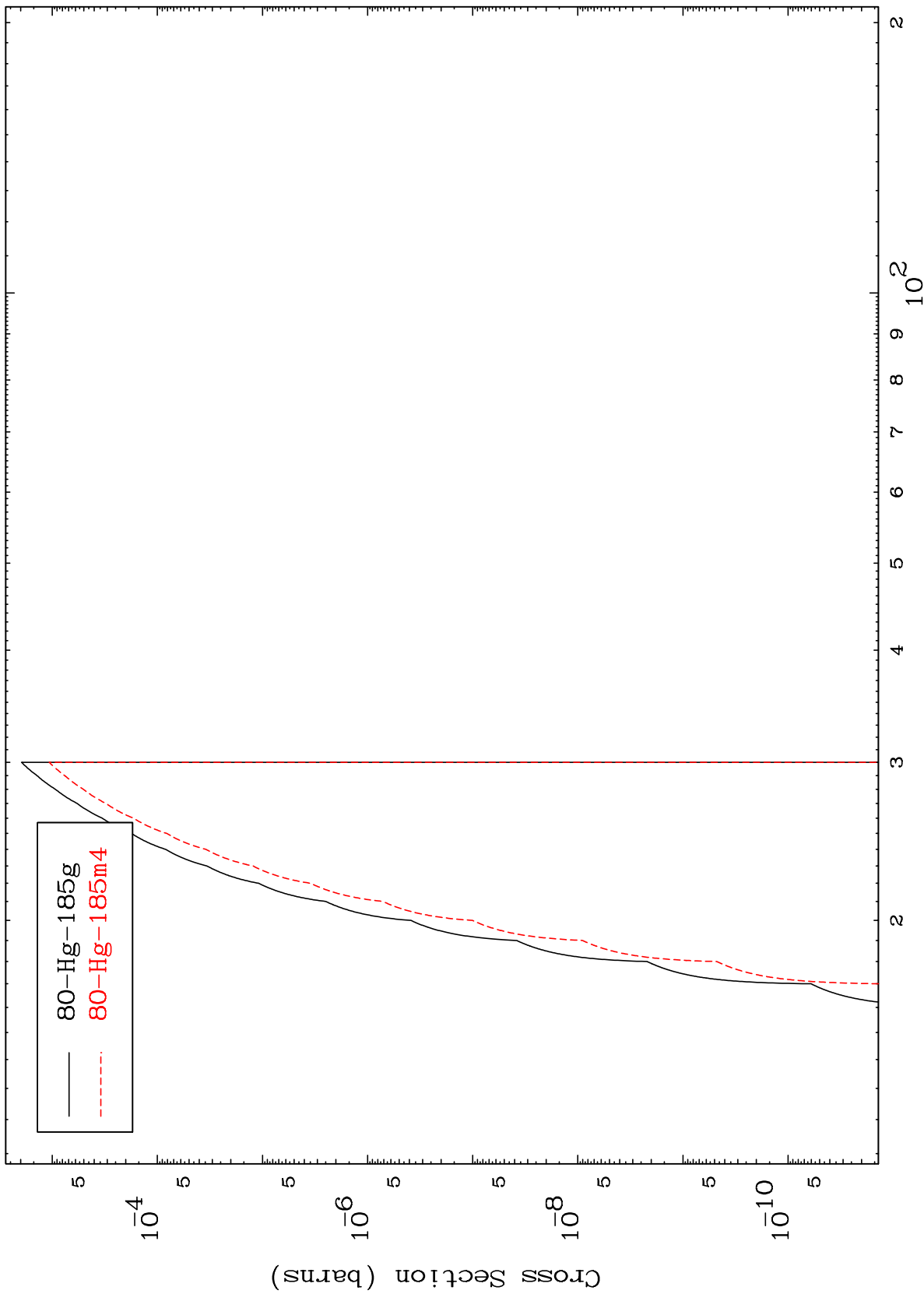
— 80-Hg-187g
- - - 80-Hg-187m1

MAT 8080

(n,n') t

81-Tl-188

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-188

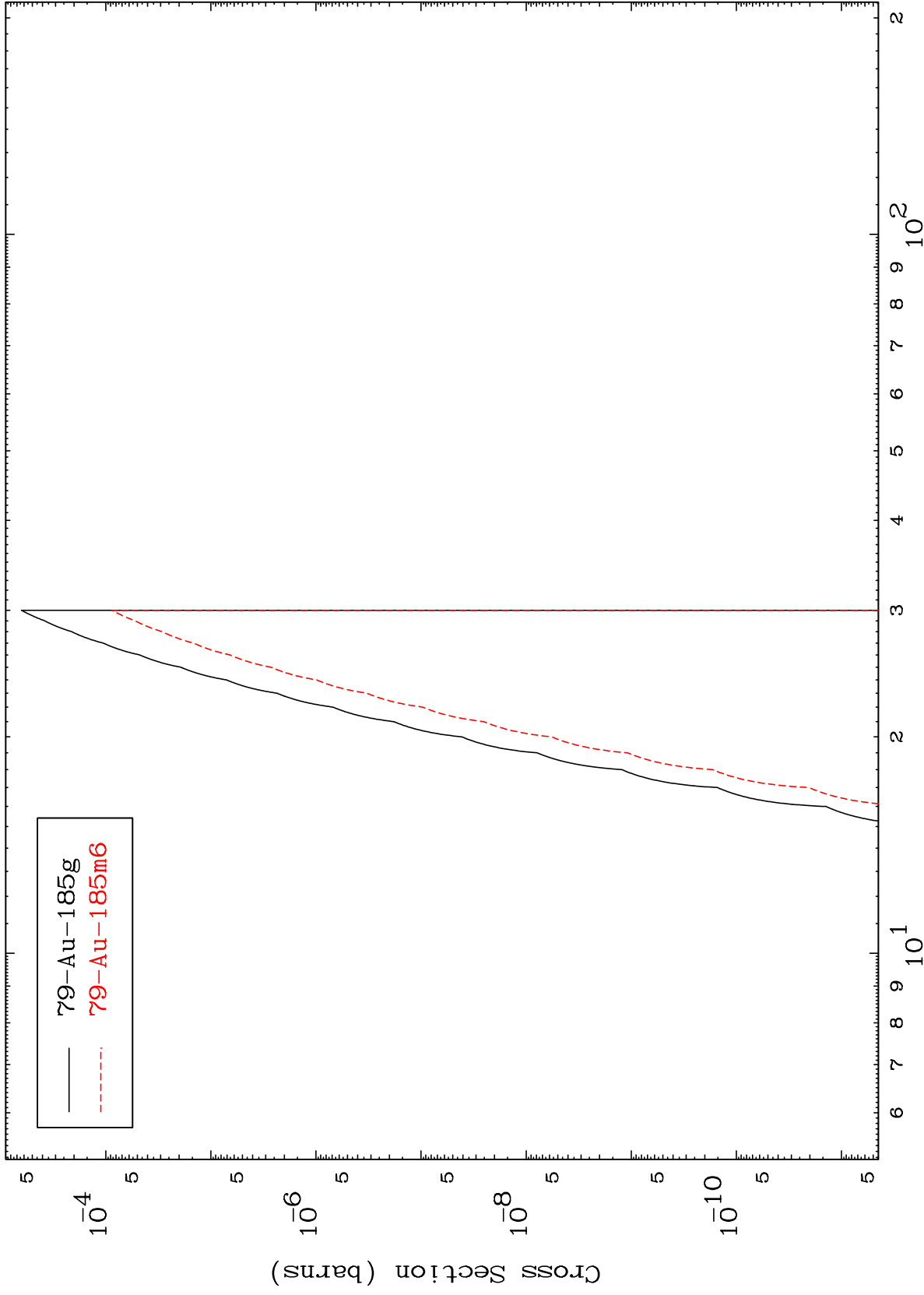
34

MAT 8080

(n,n') He-3

81-Tl-188

Radionuclide Production Cross Section



35

Incident Energy (MeV)

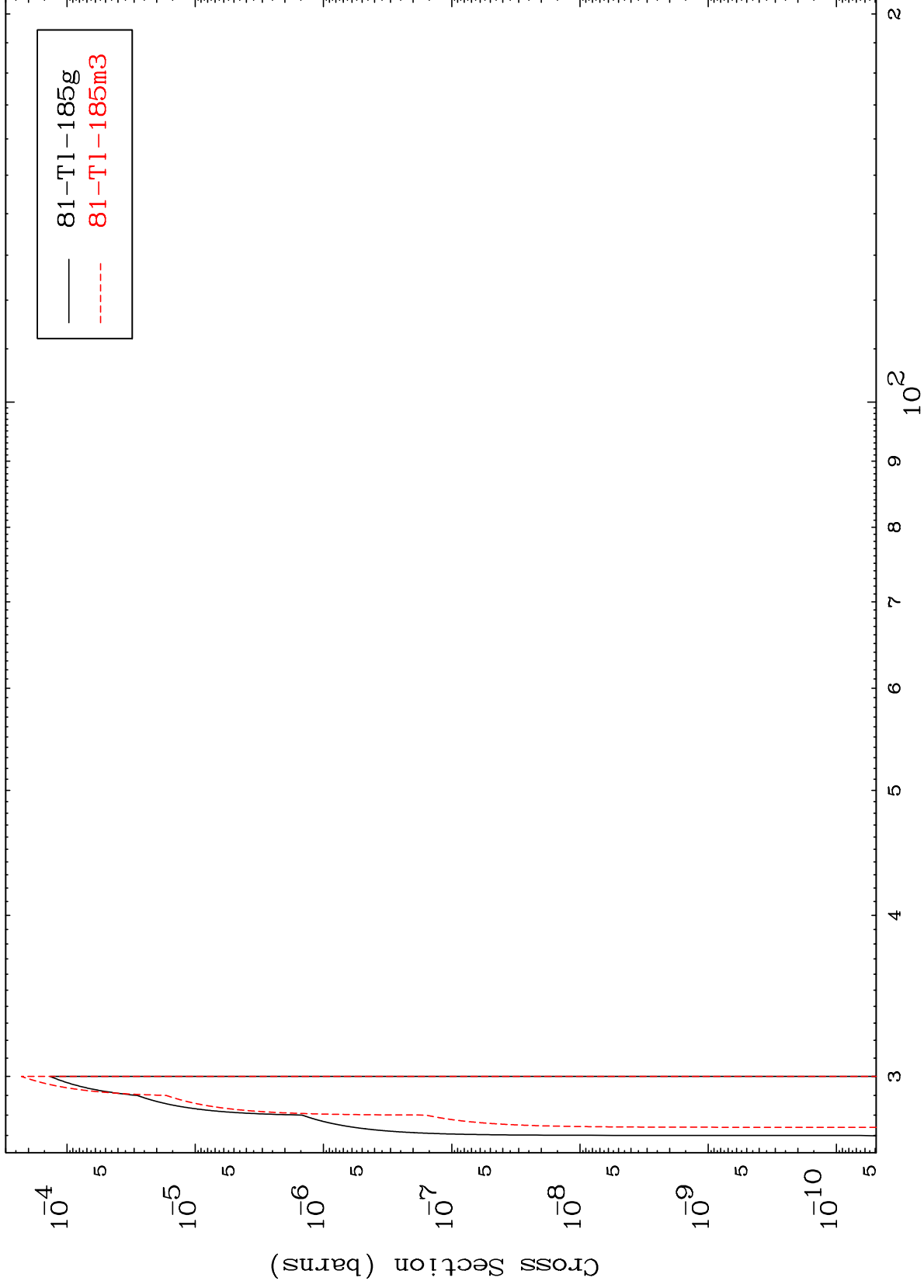
81-Tl-188

MAT 8080

(n,4n)

81-Tl-188

Radionuclide Production Cross Section



36

Incident Energy (MeV)

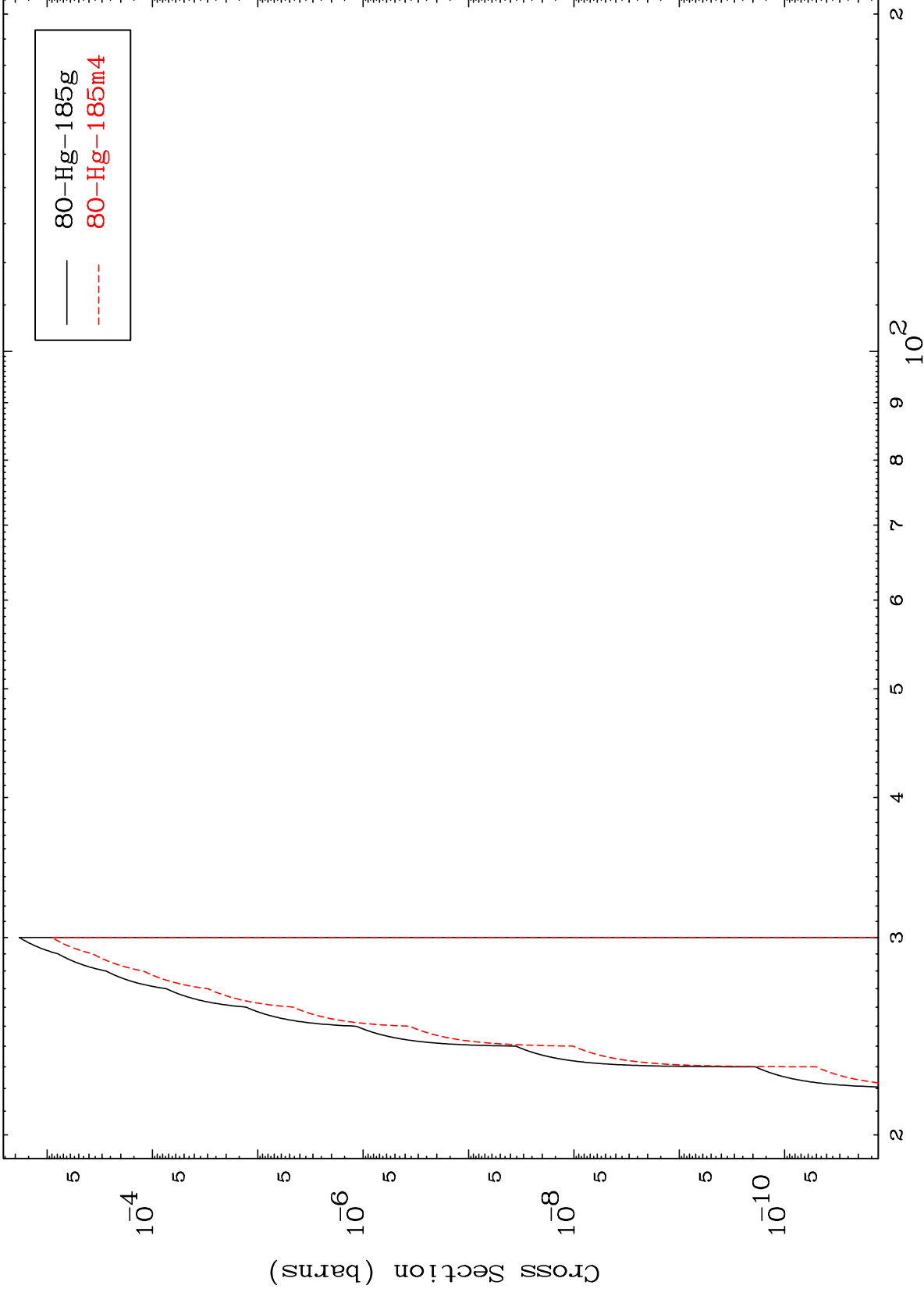
81-Tl-188

MAT 8080

(n,3n) p

81-Tl-188

Radionuclide Production Cross Section



37

Incident Energy (MeV)

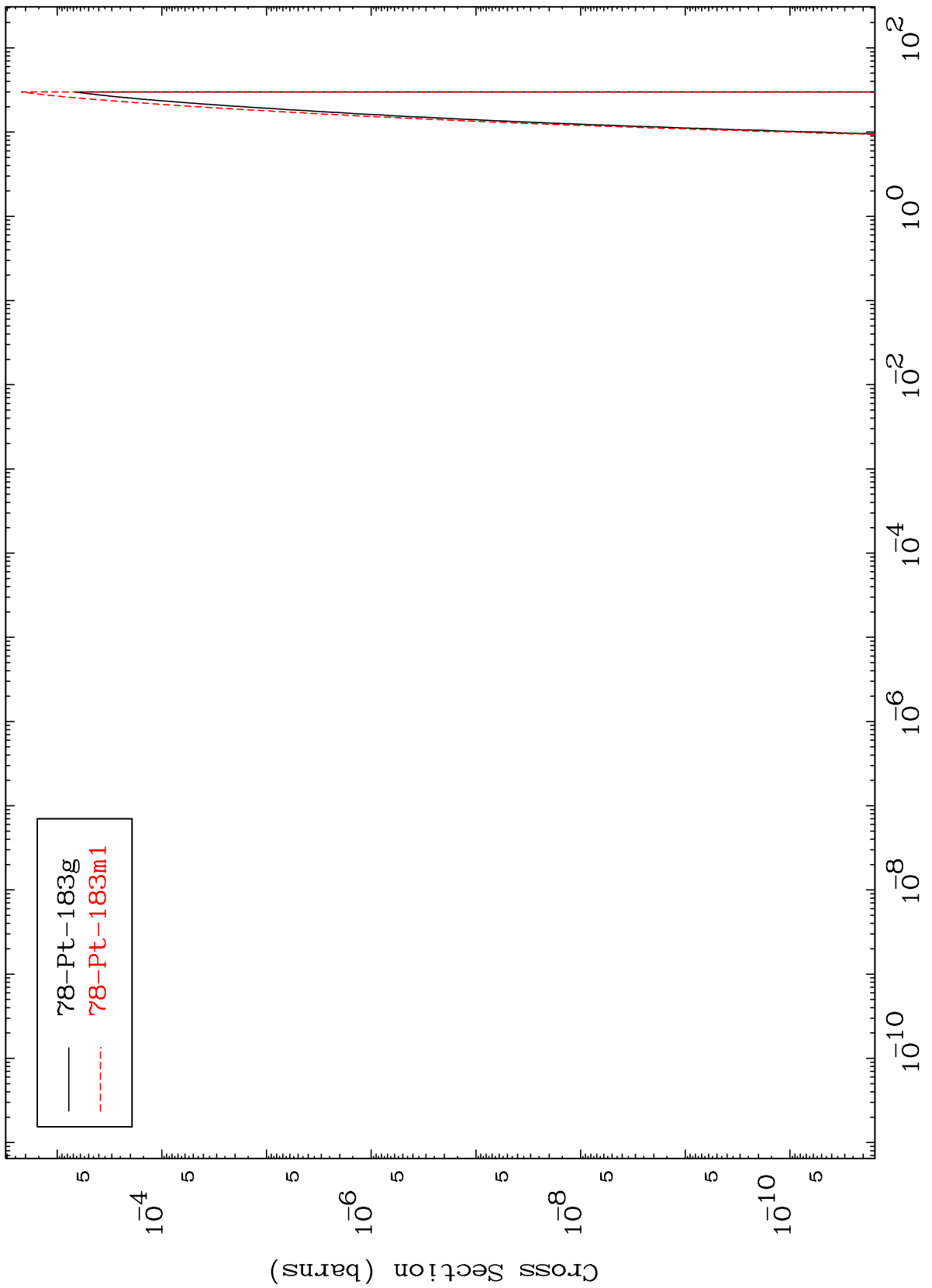
81-Tl-188

MAT 8080

(n,n') p α

81-Tl-188

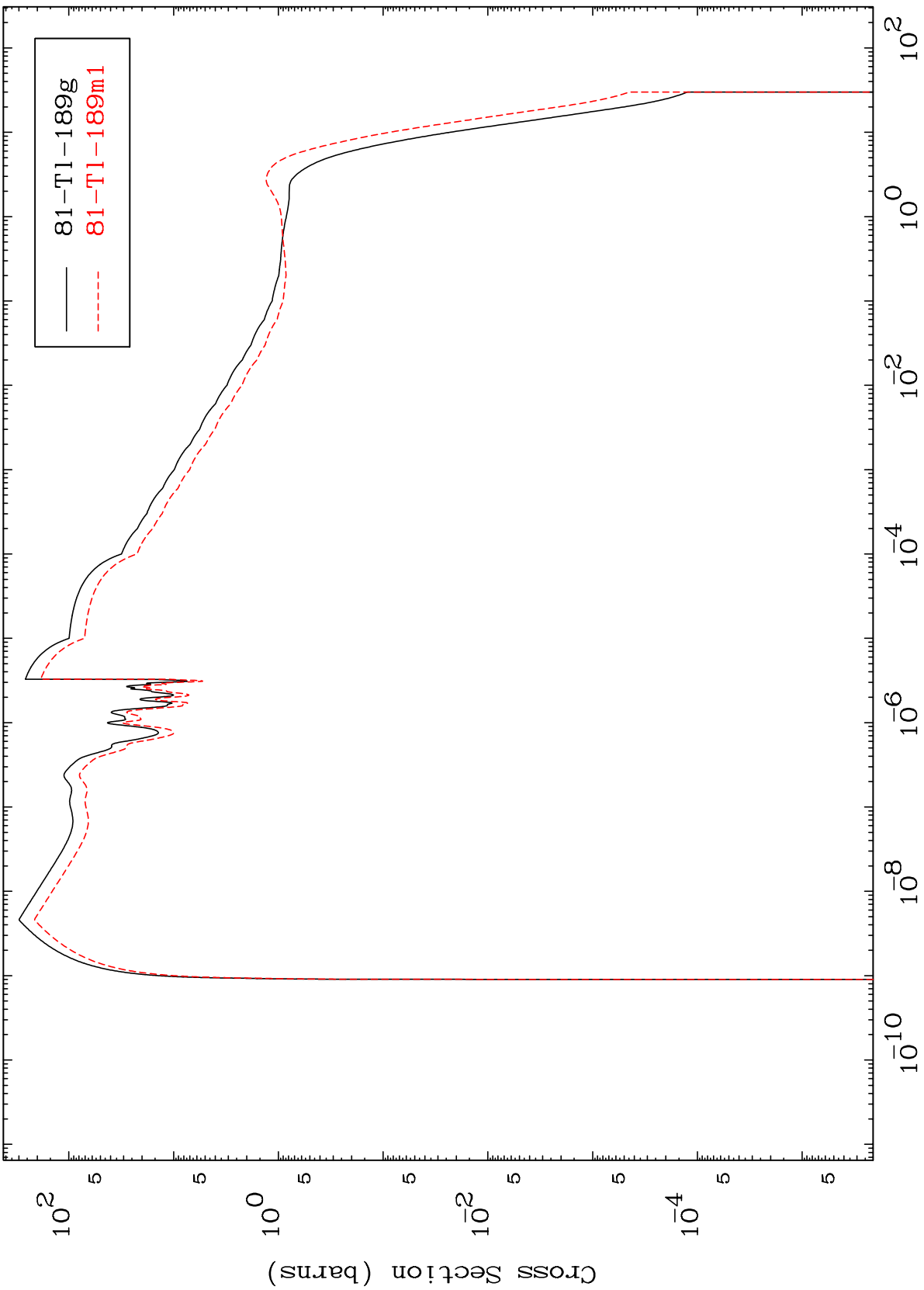
Radionuclide Production Cross Section



MAT 8080

81-Tl-188

(n, γ)
Radionuclide Production Cross Section



39

81-Tl-188

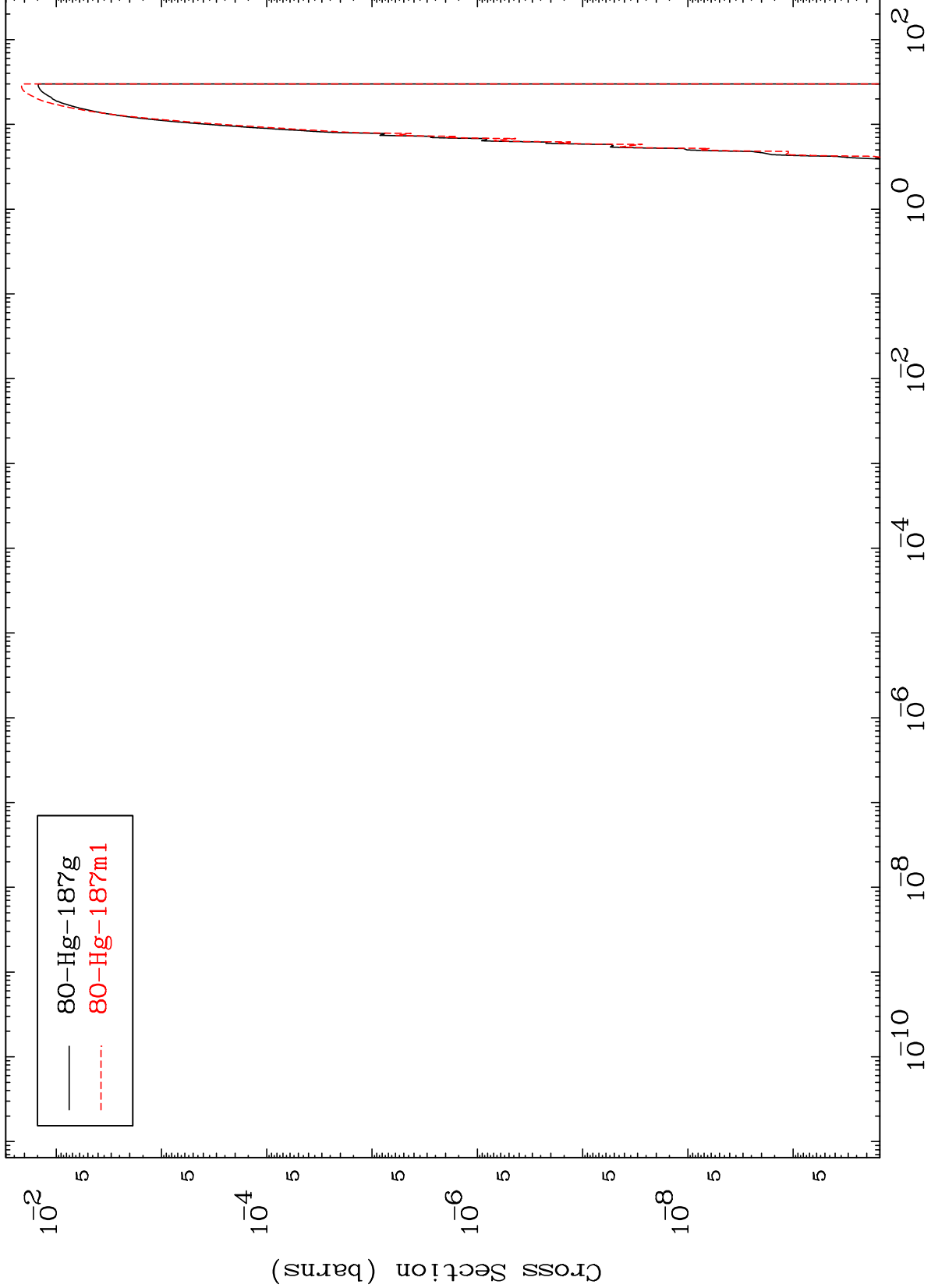
Incident Energy (MeV)

MAT 8080

(n,d)

81-Tl-188

Radionuclide Production Cross Section



80-Hg-187g
80-Hg-187m1

40

Incident Energy (MeV)

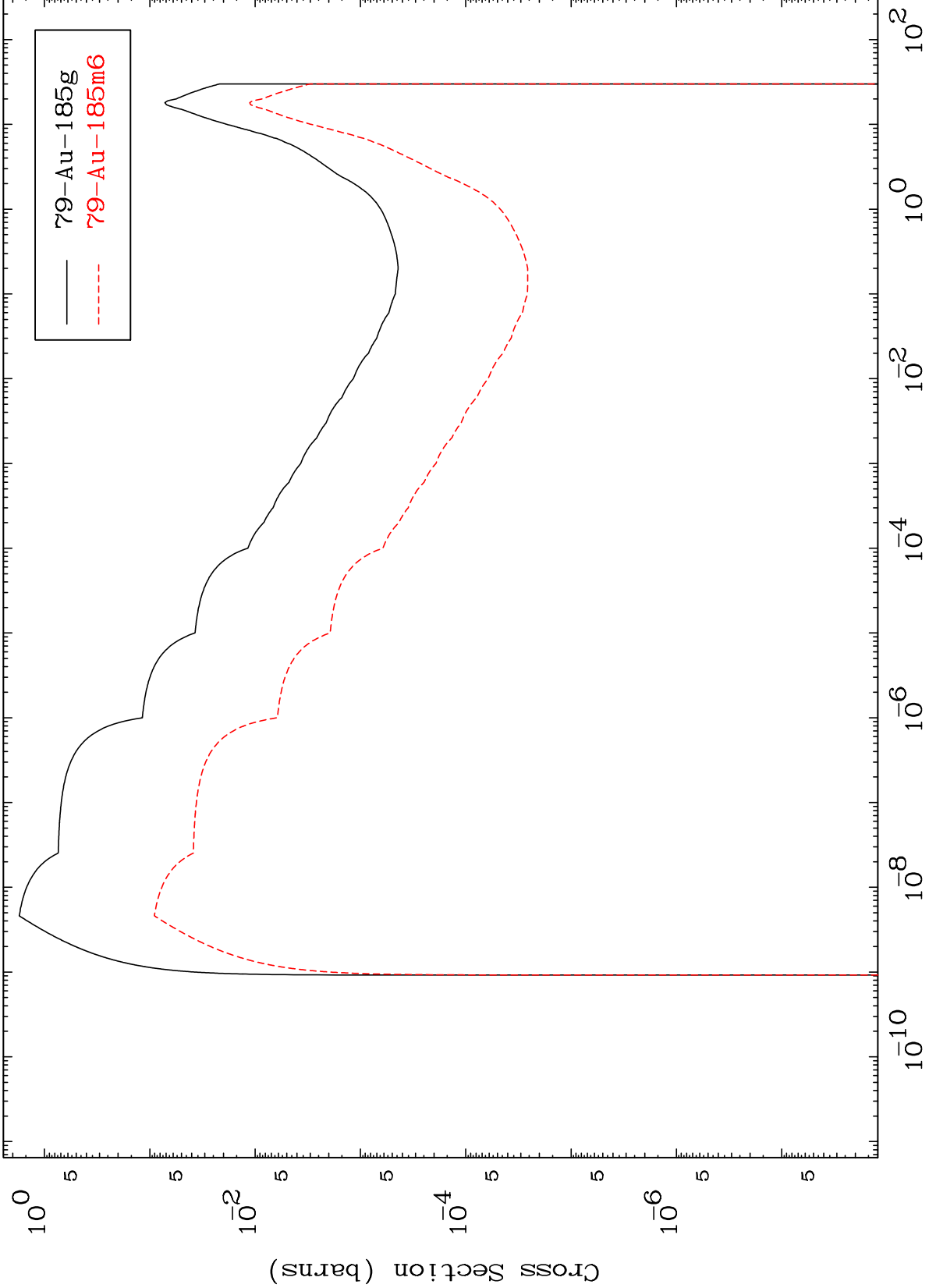
81-Tl-188

MAT 8080

(n, α)

81-Tl-188

Radionuclide Production Cross Section



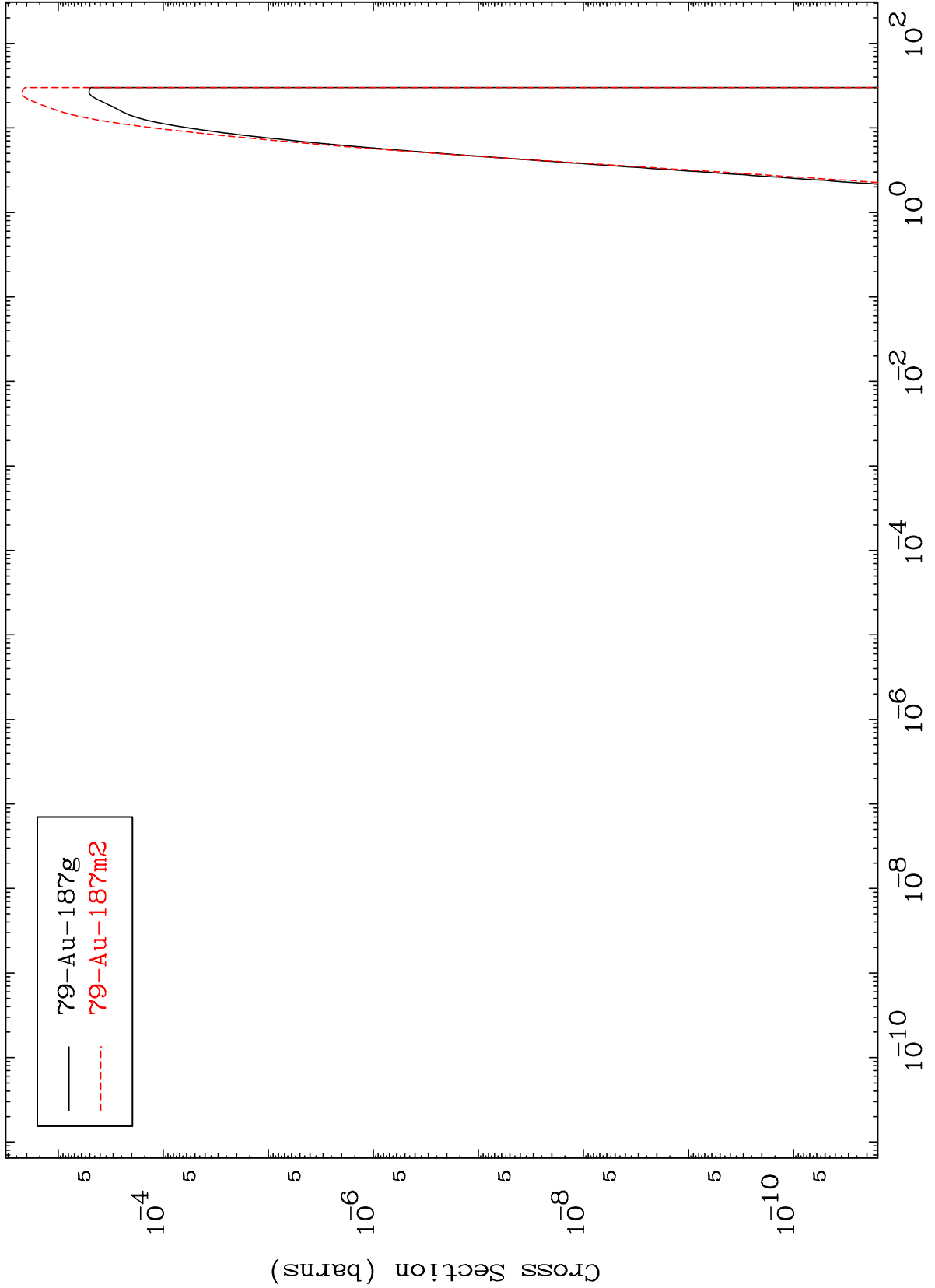
79-Au-185g
79-Au-185m6

MAT 8080

(n,2p)

81-Tl-188

Radionuclide Production Cross Section

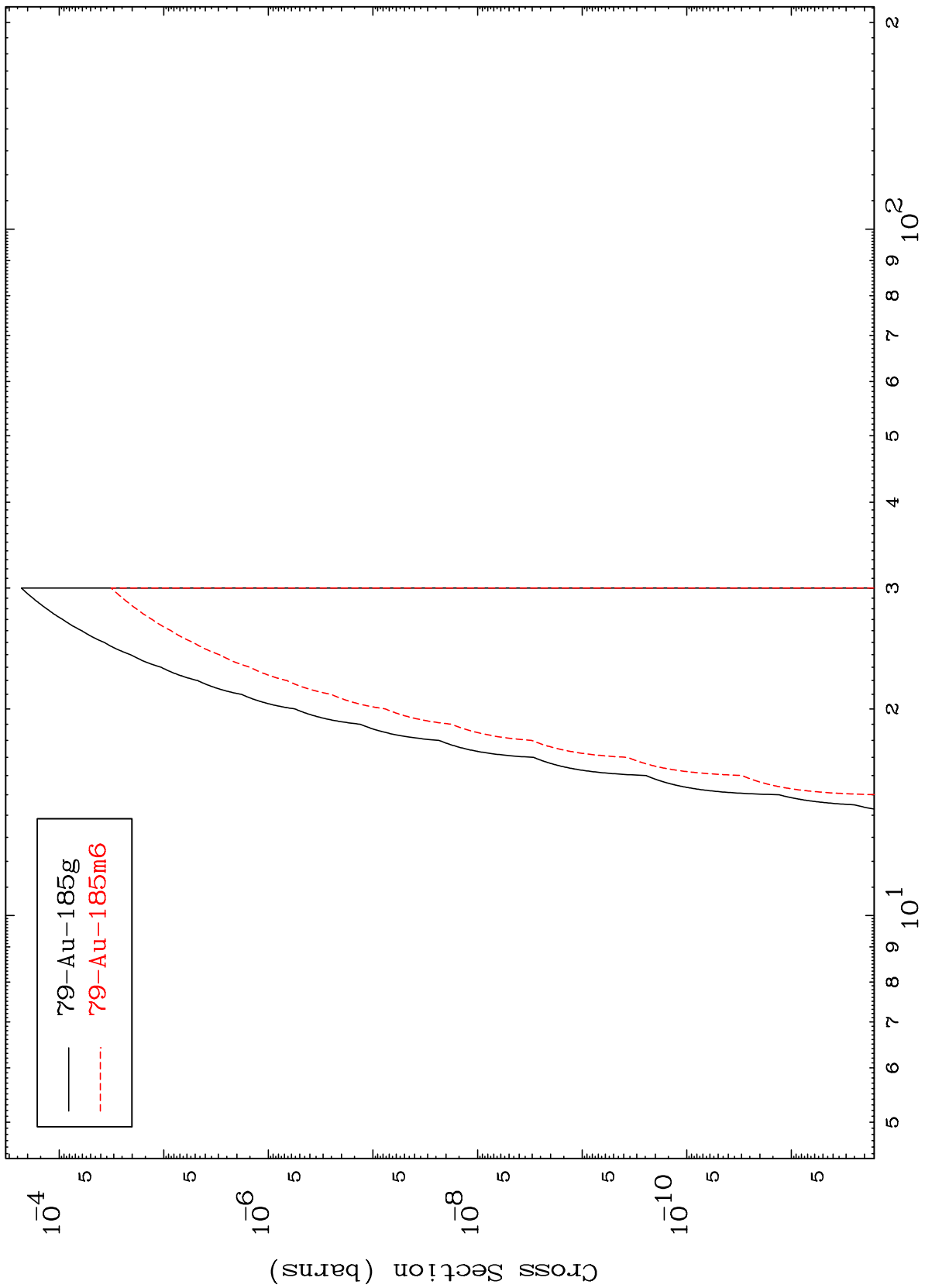


MAT 8080

(n,p) t

81-Tl-188

Radionuclide Production Cross Section



43

Incident Energy (MeV)

81-Tl-188

MAT 8080

(n,d) α

81-Tl-188

Radionuclide Production Cross Section

