

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

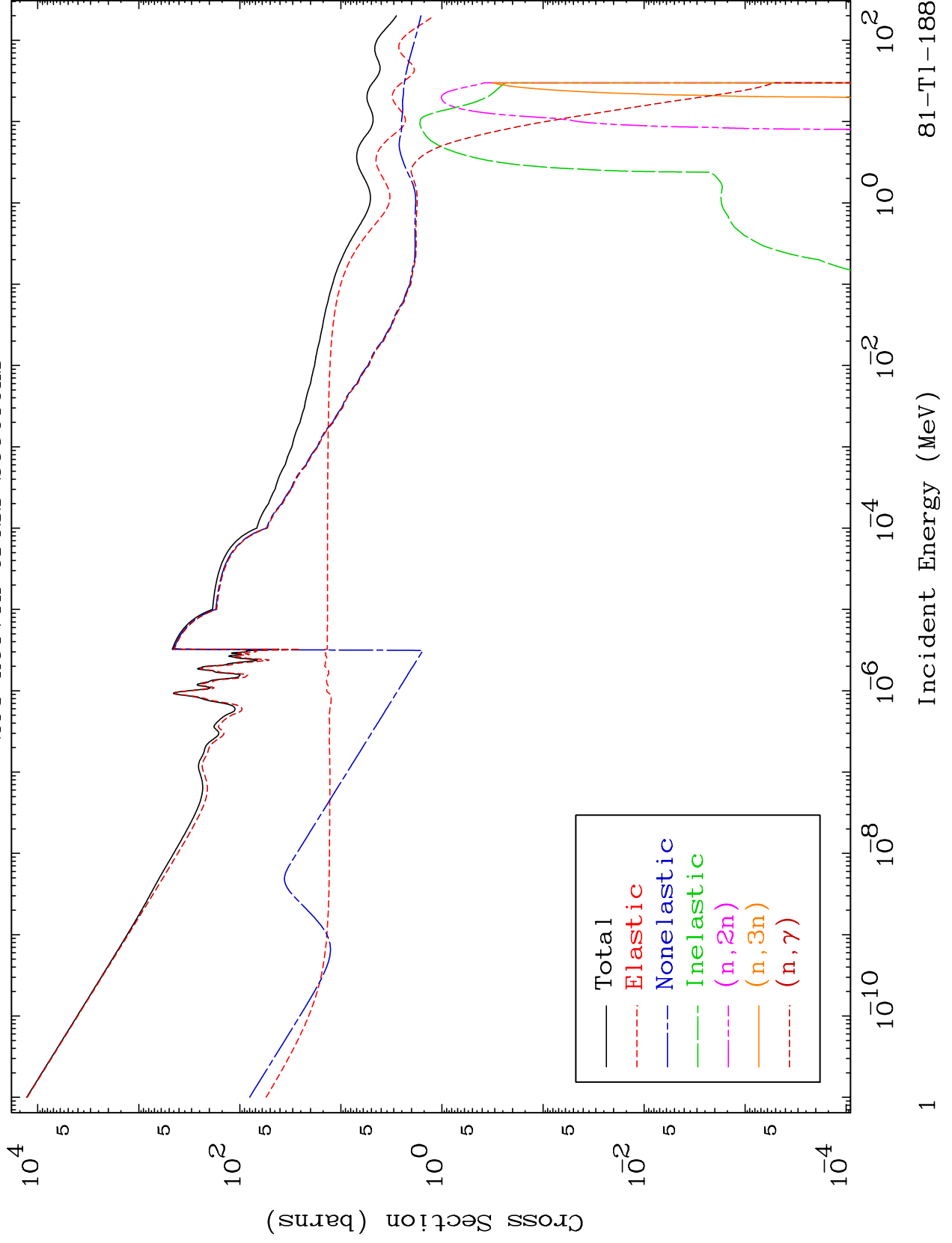
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8080

Neutron Major
293 Kelvin Cross Sections

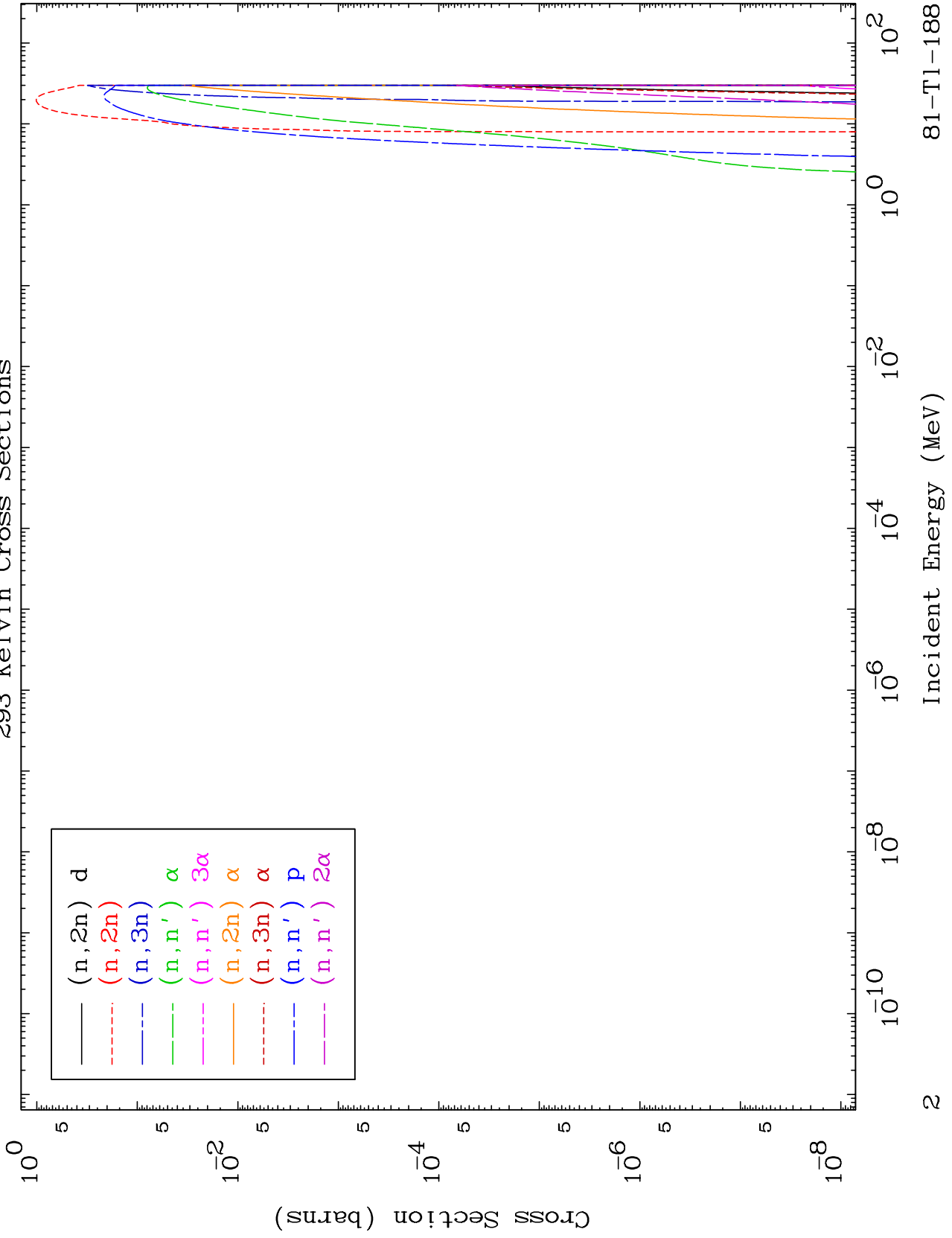
81-Tl-188



MAT 8080

Neutron Absorption
293 Kelvin Cross Sections

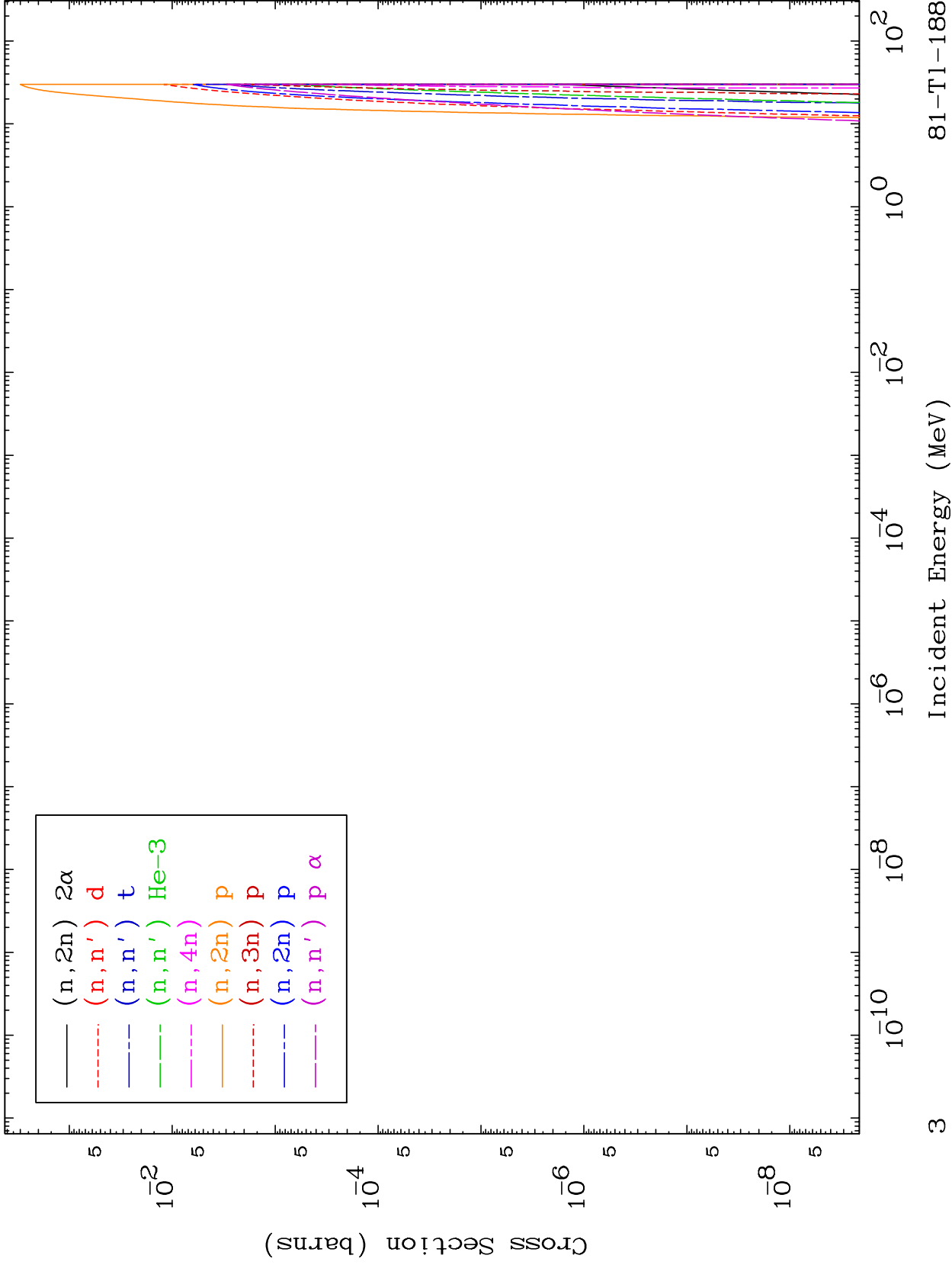
81-Tl-188



MAT 8080

Neutron Absorption
293 Kelvin Cross Sections

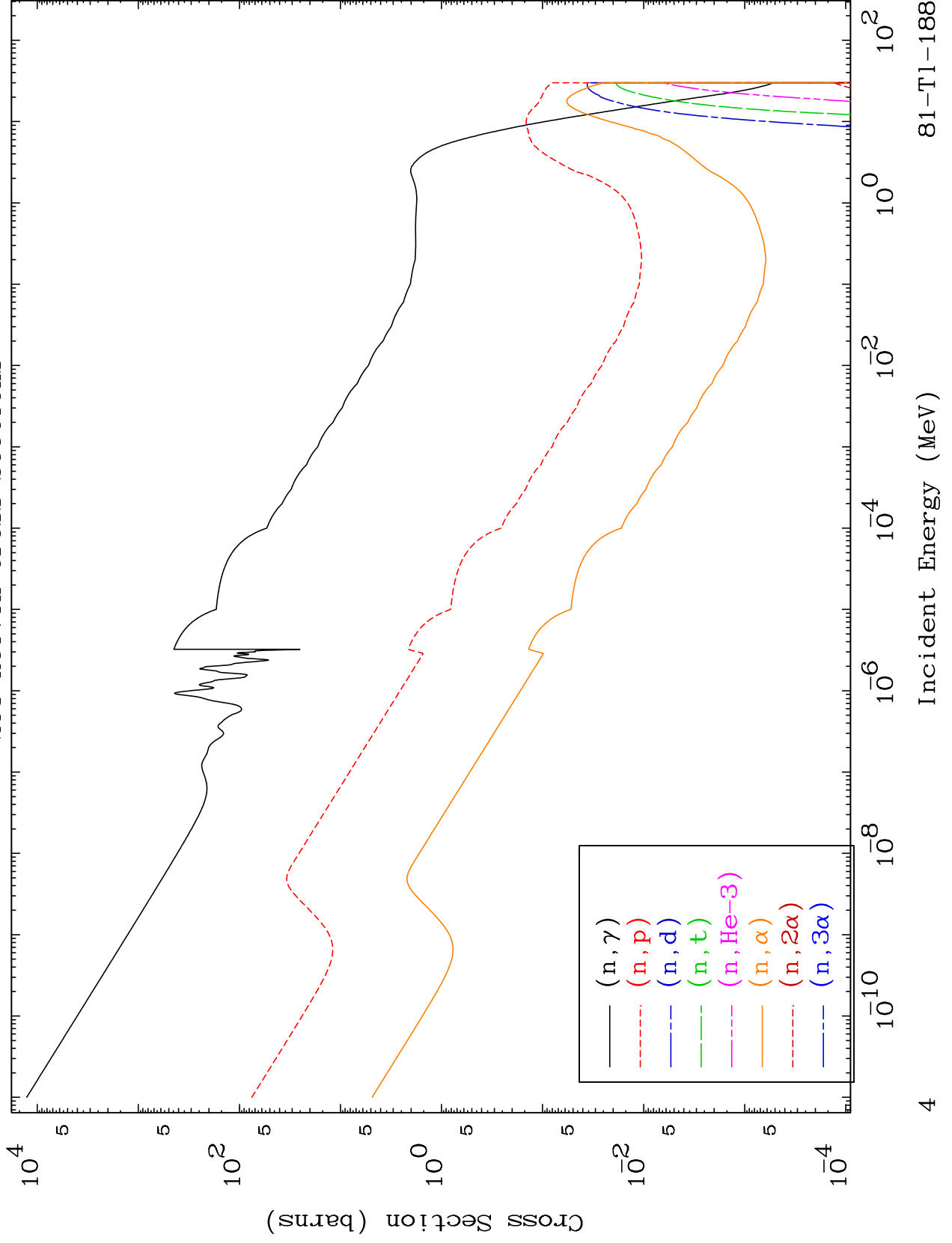
81-Tl-188



MAT 8080

Neutron Absorption
293 Kelvin Cross Sections

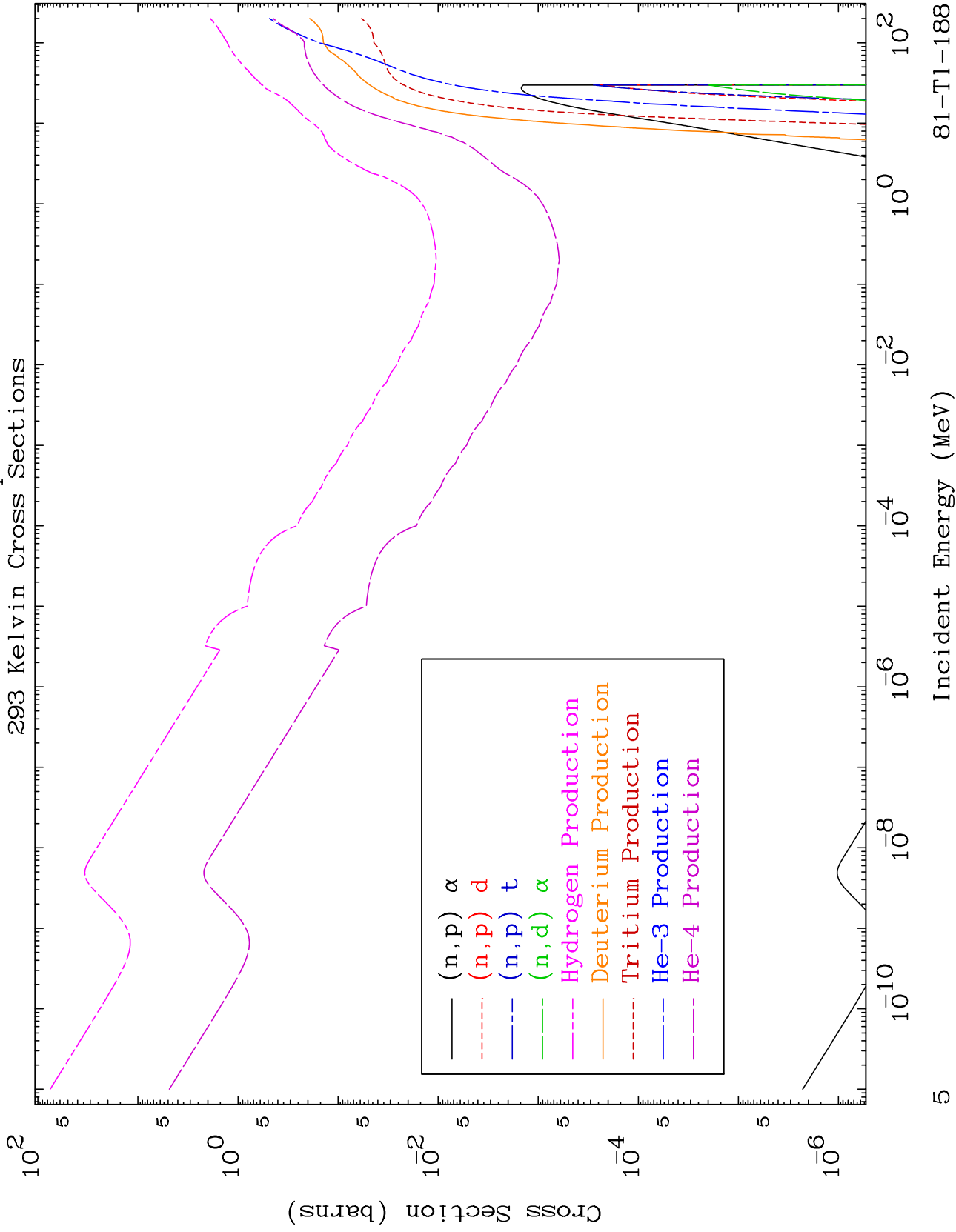
81-Tl-188



MAT 8080

Neutron Absorption
293 Kelvin Cross Sections

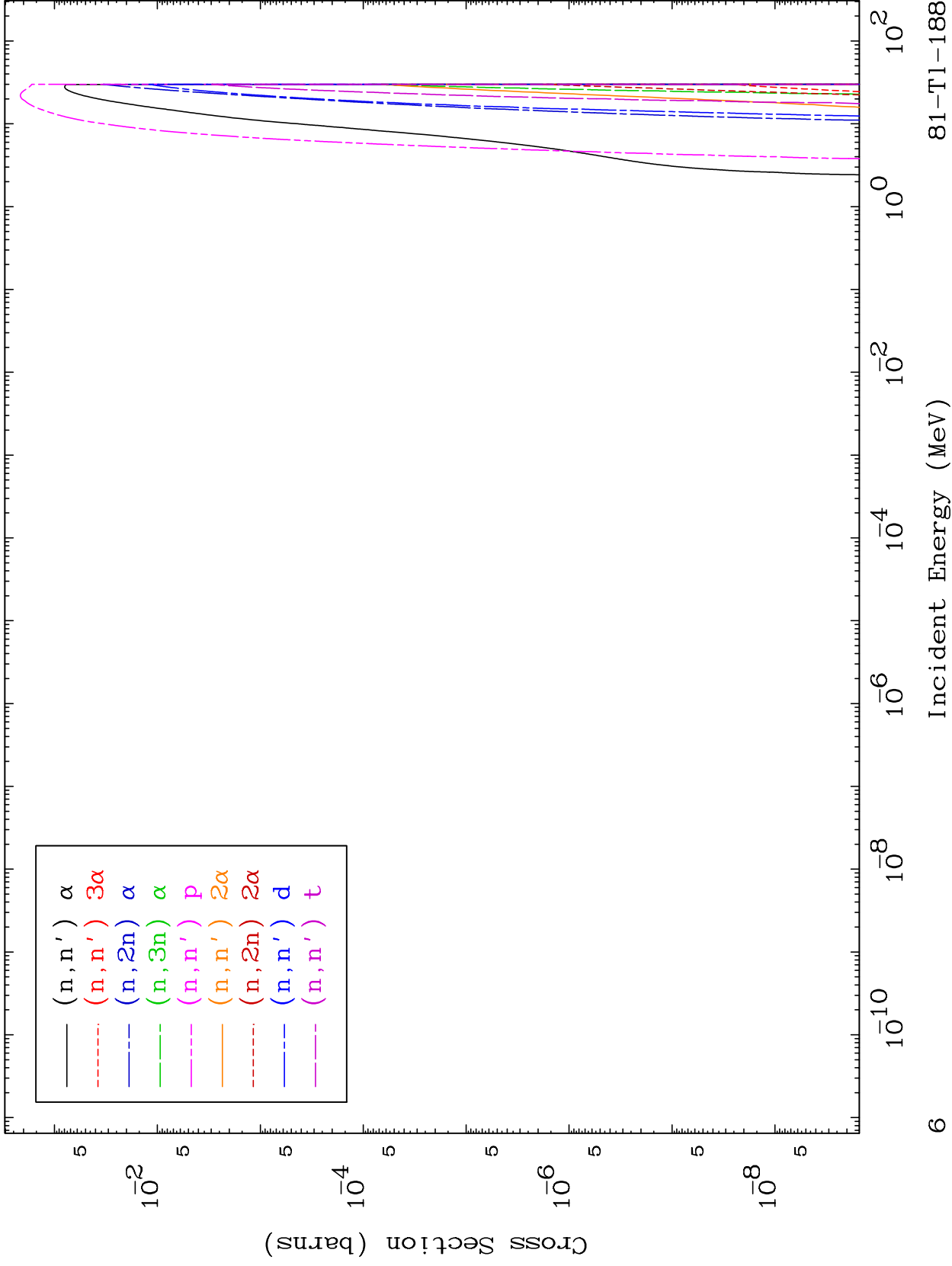
81-Tl-188



MAT 8080

Charged Particle
293 Kelvin Cross Sections

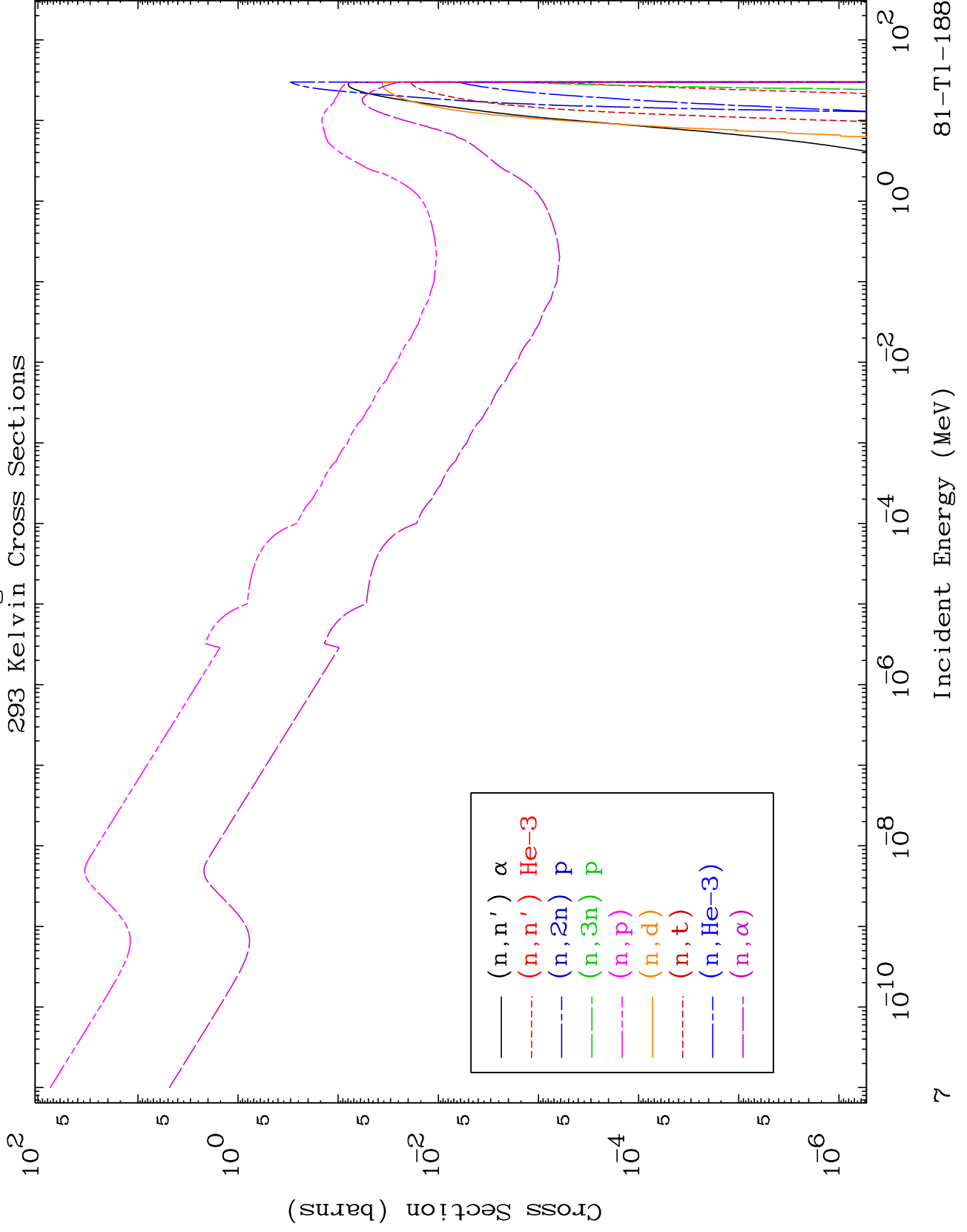
81-Tl-188



MAT 8080

Charged Particle
293 Kelvin Cross Sections

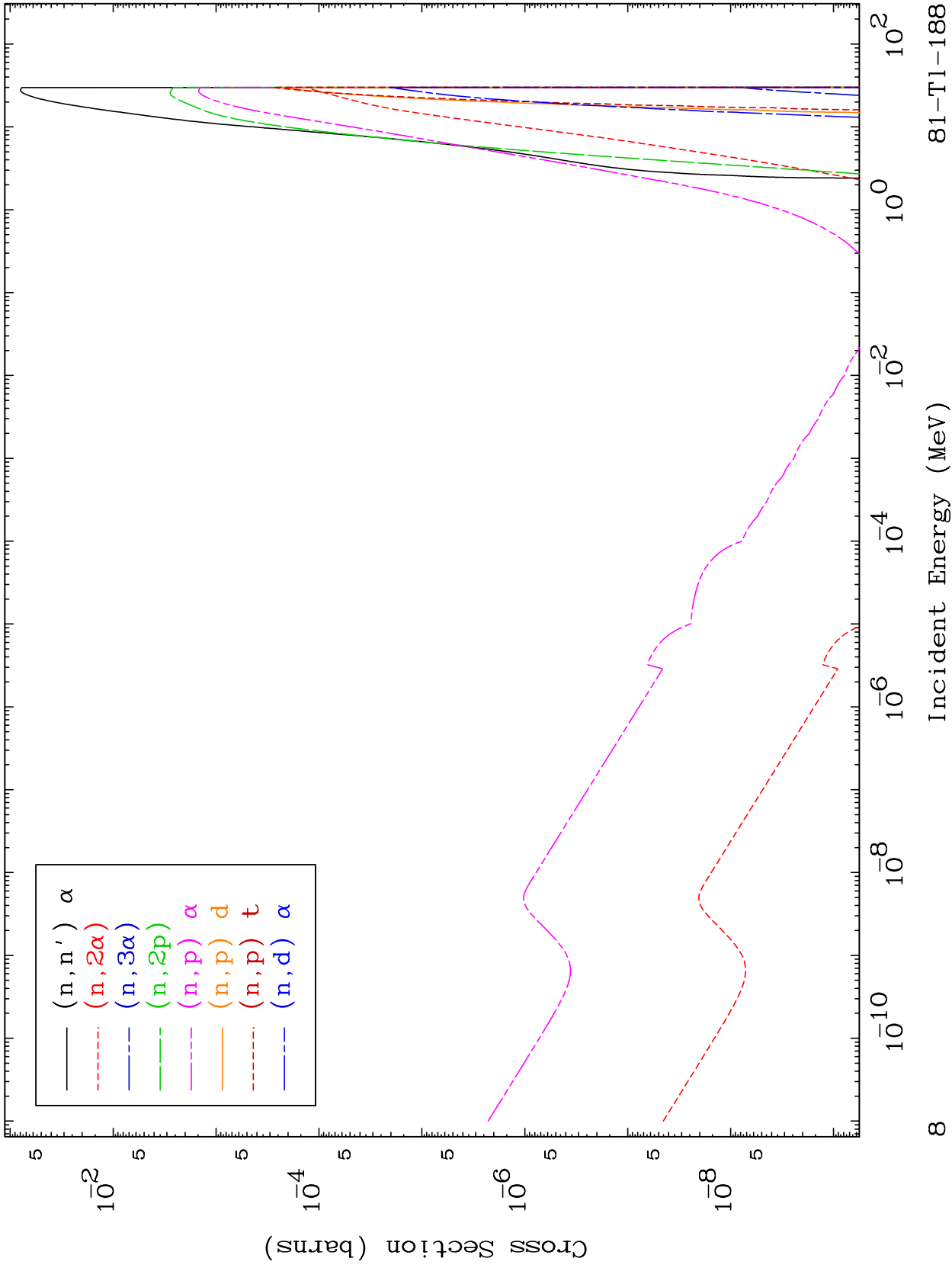
81-Tl-188



MAT 8080

Charged Particle
293 Kelvin Cross Sections

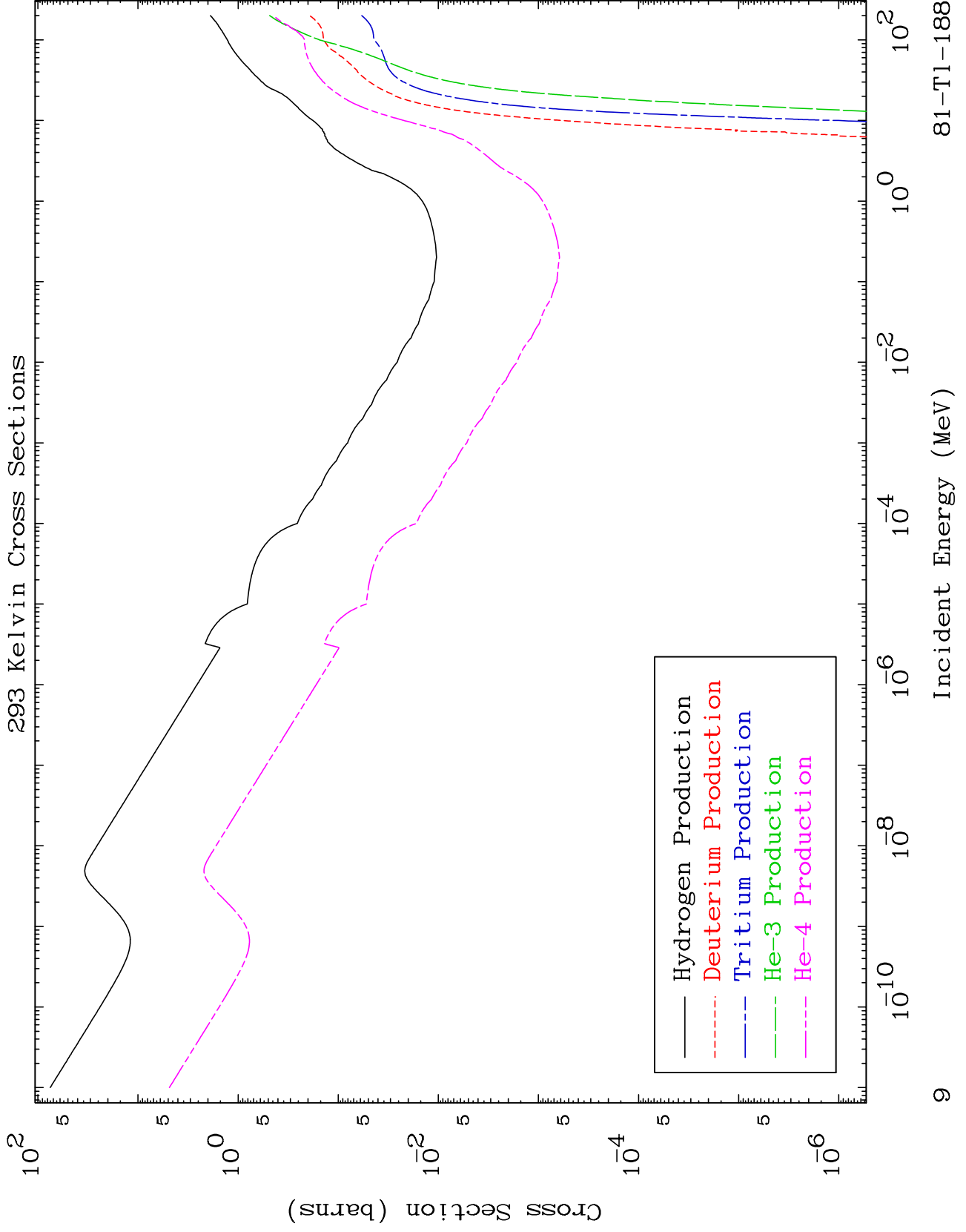
81-Tl-188



MAT 8080

Particle Production
293 Kelvin Cross Sections

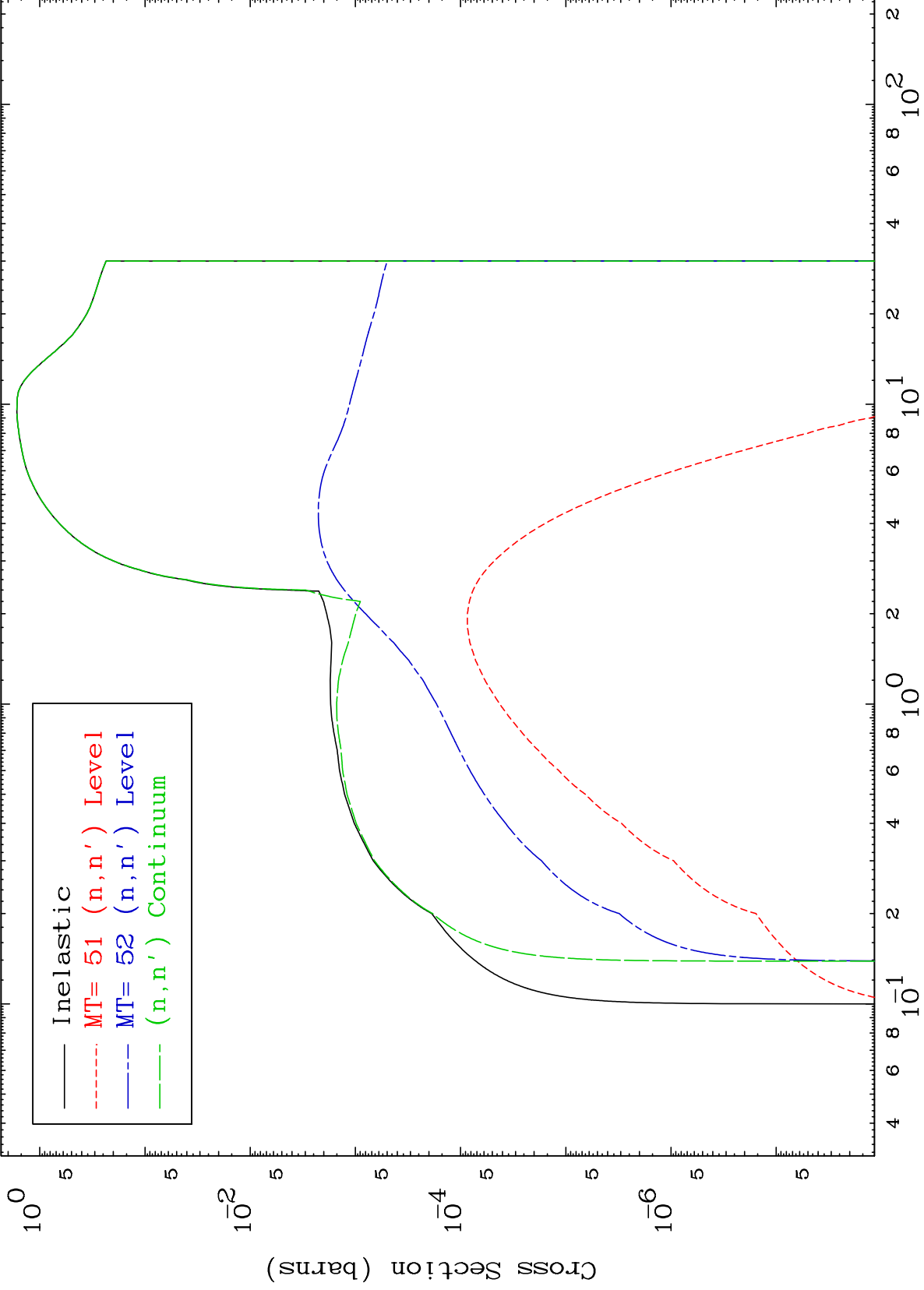
81-T1-188



MAT 8080

293 Kelvin Cross Sections
(n,n') Levels

81-Tl-188



10

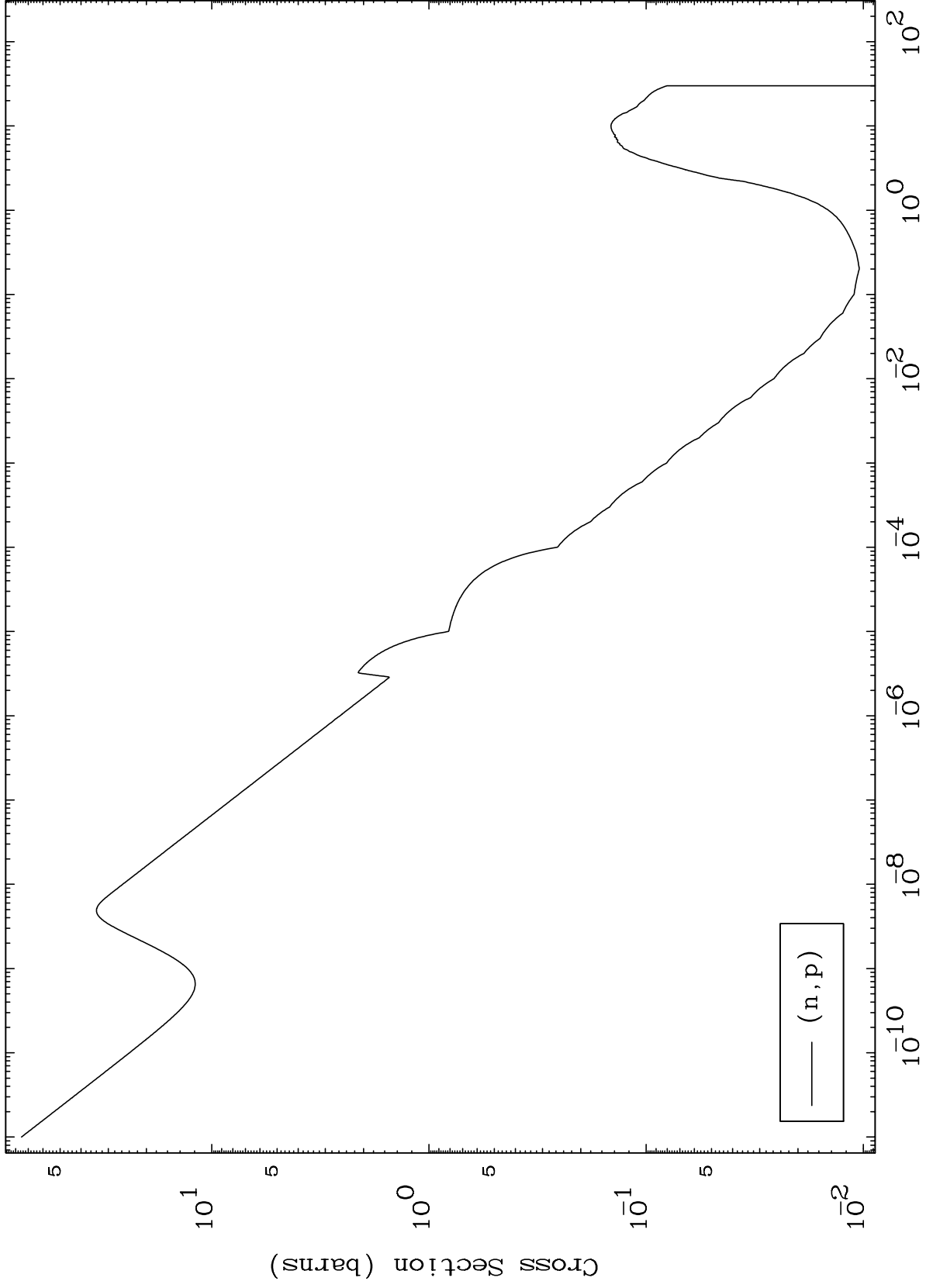
Incident Energy (MeV)

81-Tl-188

MAT 8080

(n,p) Levels
293 Kelvin Cross Sections

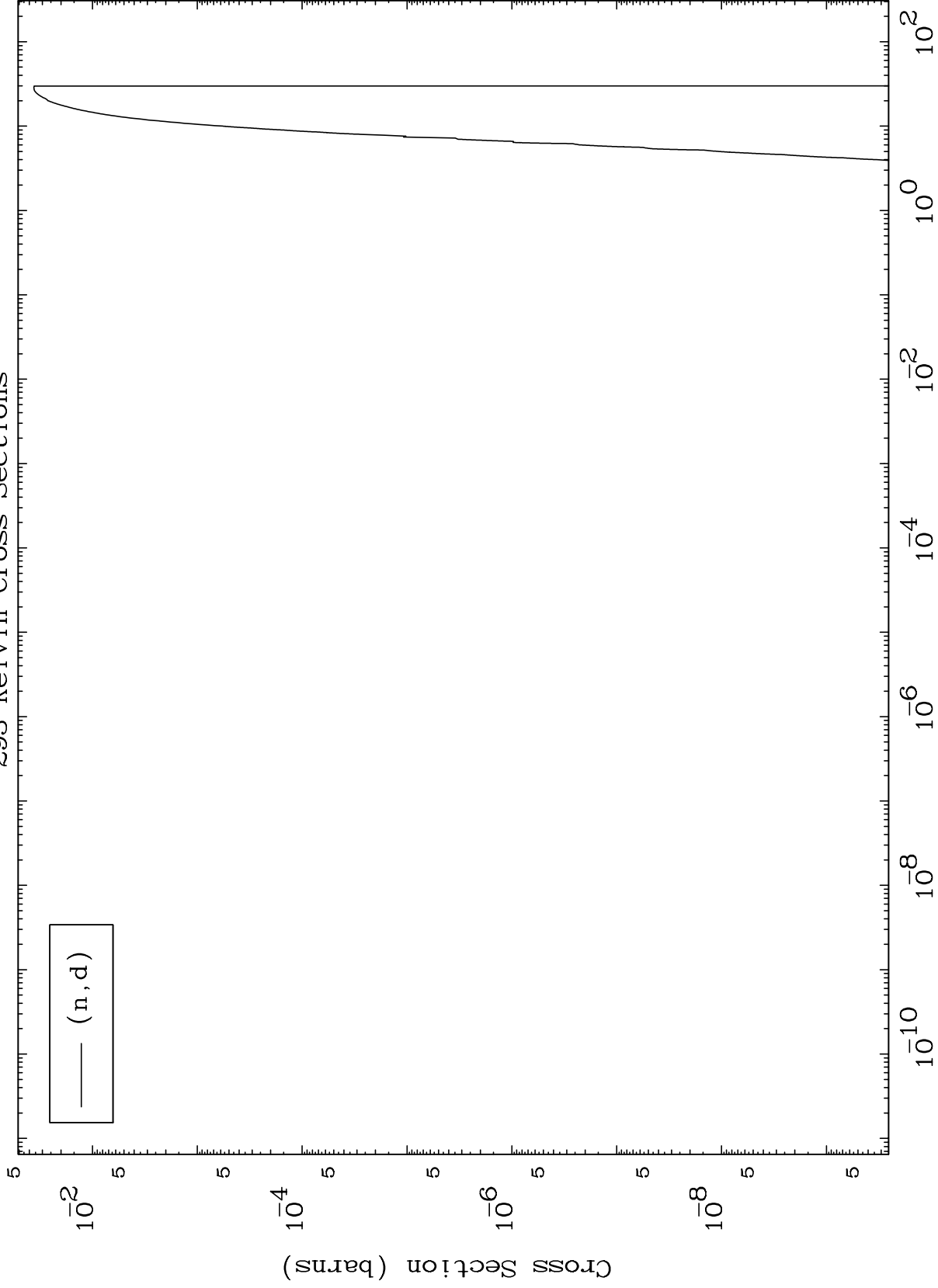
81-Tl-188



MAT 8080

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-188



12

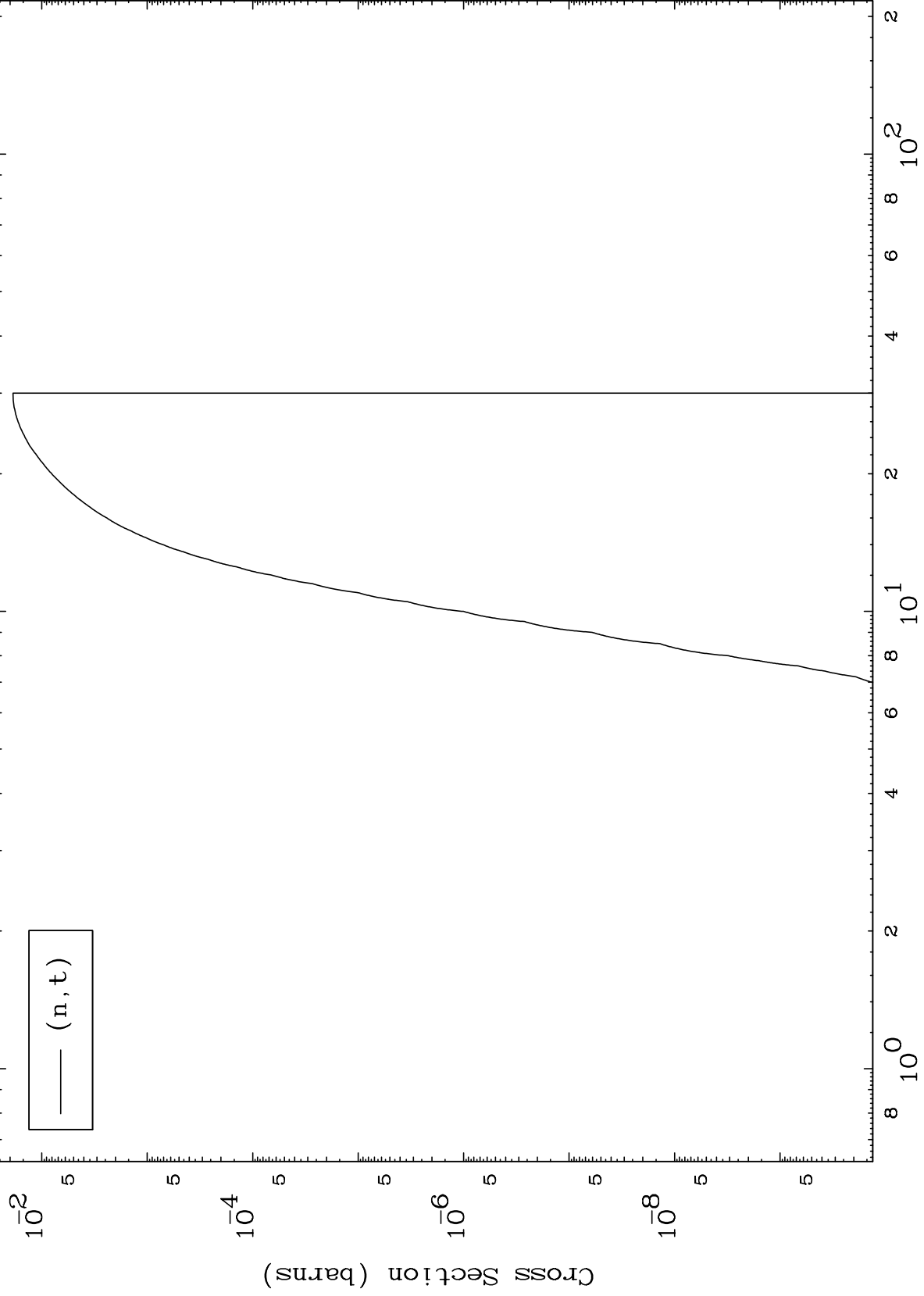
Incident Energy (MeV)

81-Tl-188

MAT 8080

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-188



13

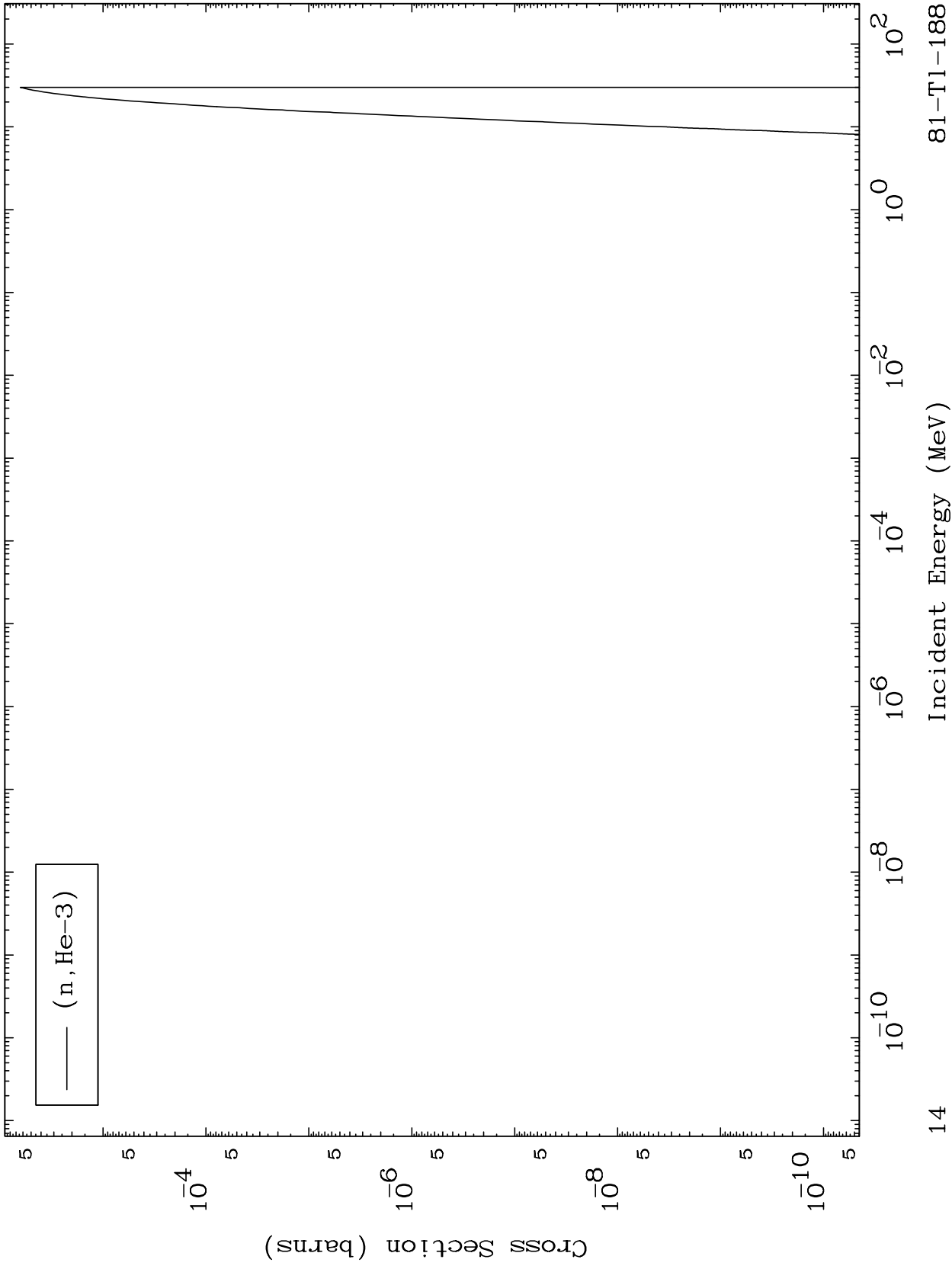
Incident Energy (MeV)

81-Tl-188

MAT 8080

(n,He3) Levels
293 Kelvin Cross Sections

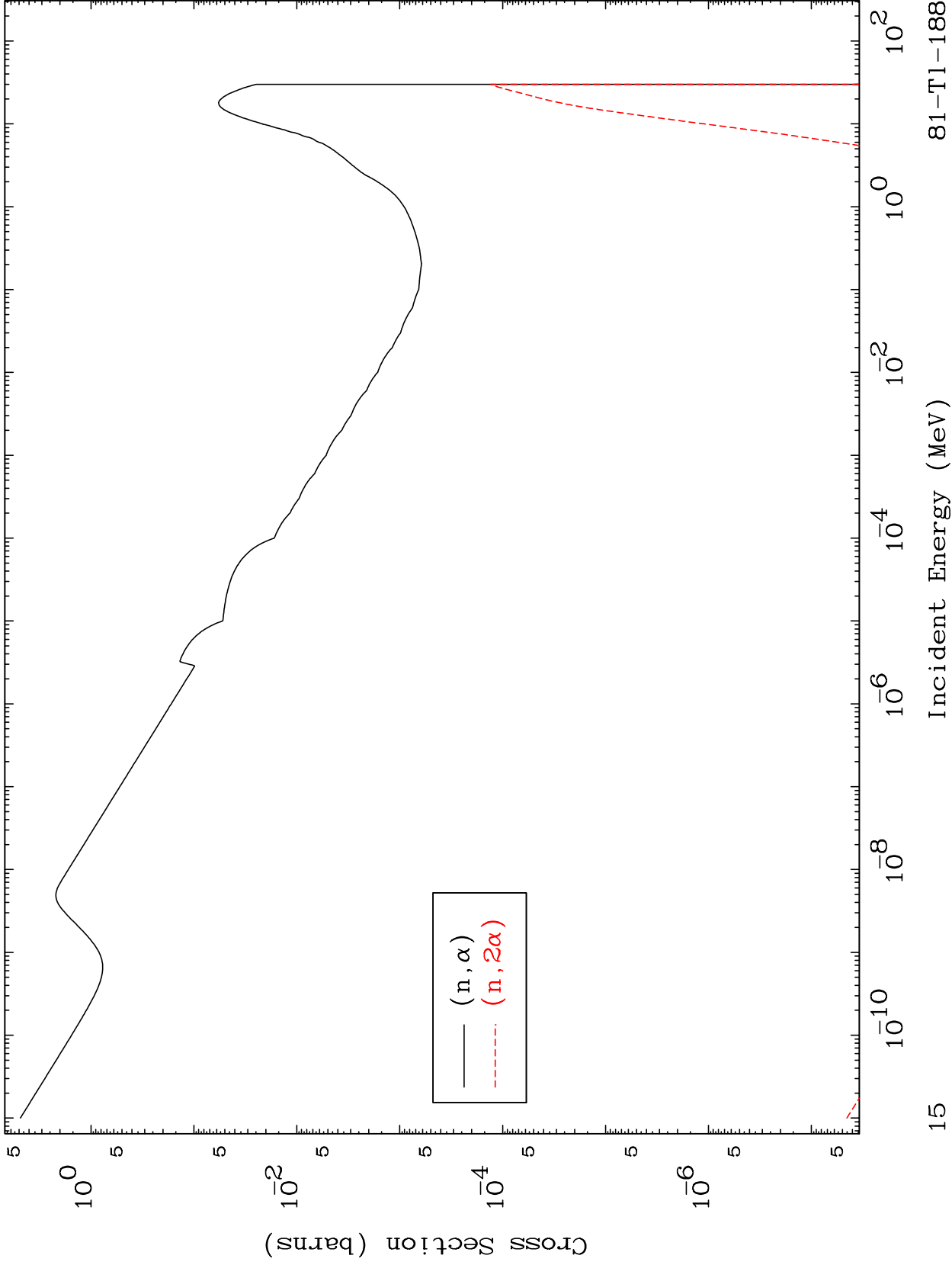
81-Tl-188



MAT 8080

(n, α) Levels
293 Kelvin Cross Sections

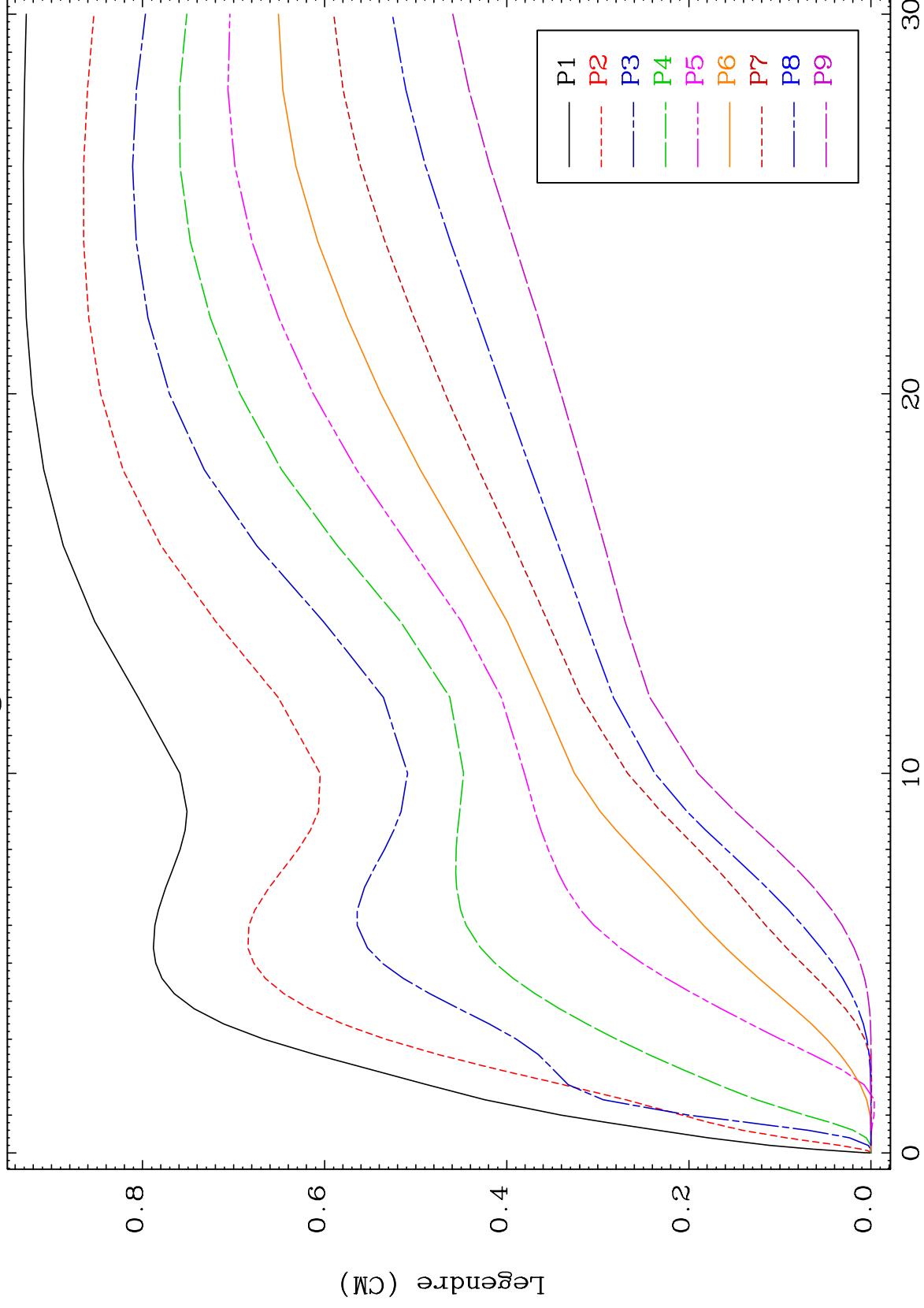
81-Tl-188



MAT 8080

Elastic Legendre Coefficients

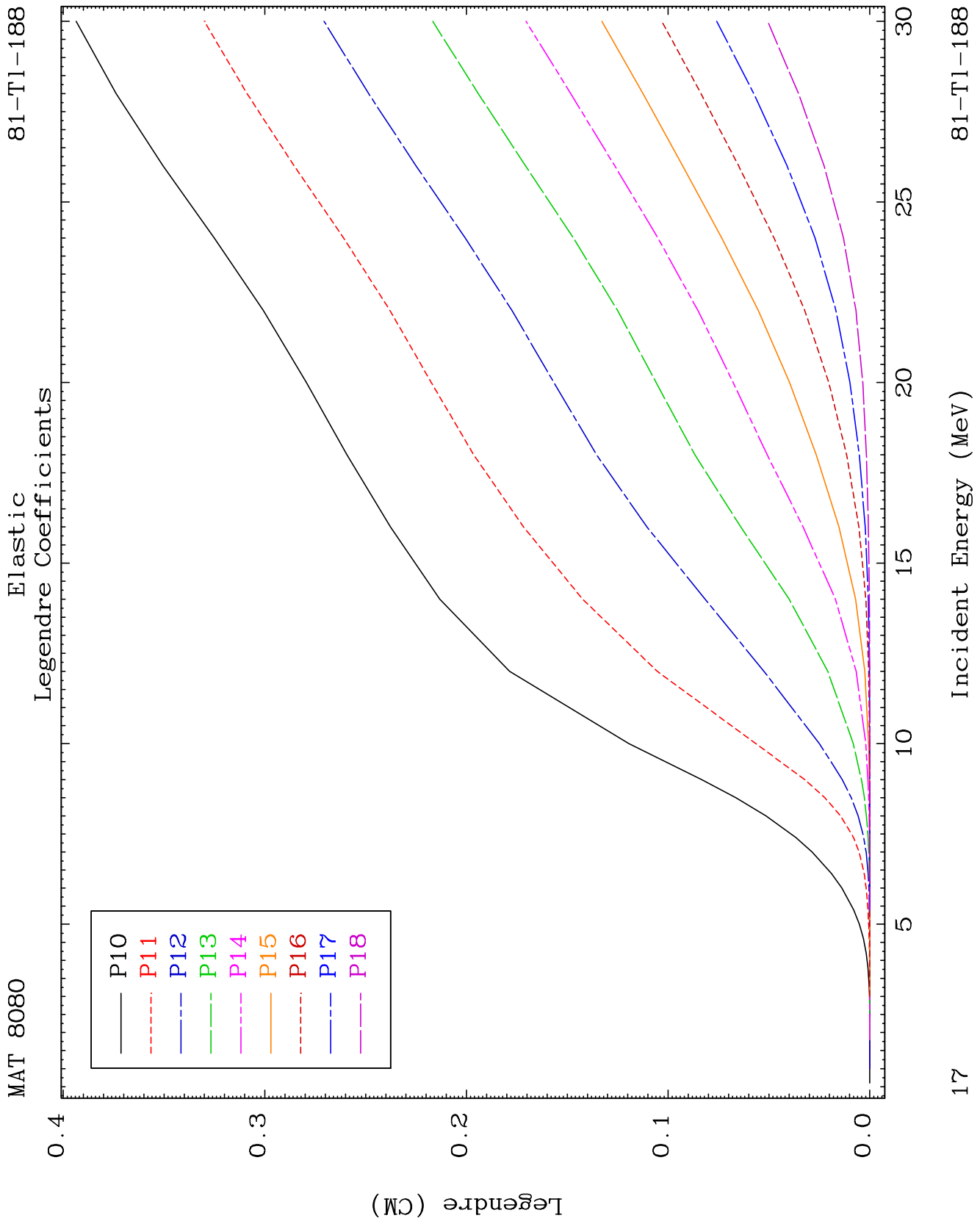
81-Tl-188



16

Incident Energy (MeV)

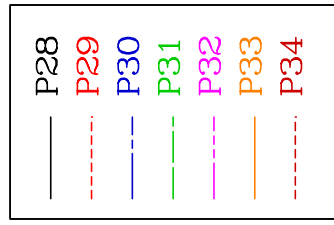
81-Tl-188



MAT 8080

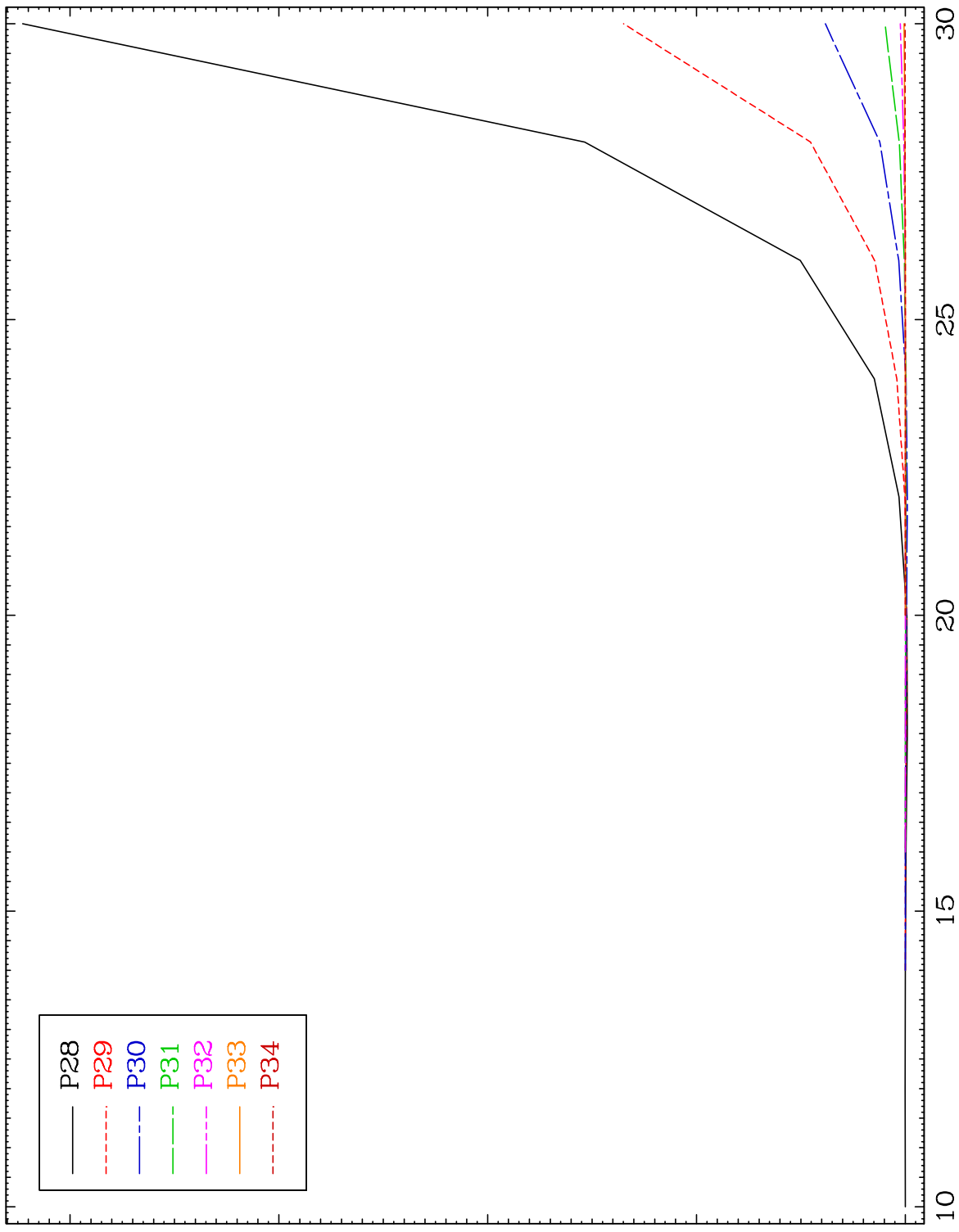
Elastic
Legendre Coefficients

81-Tl-188



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

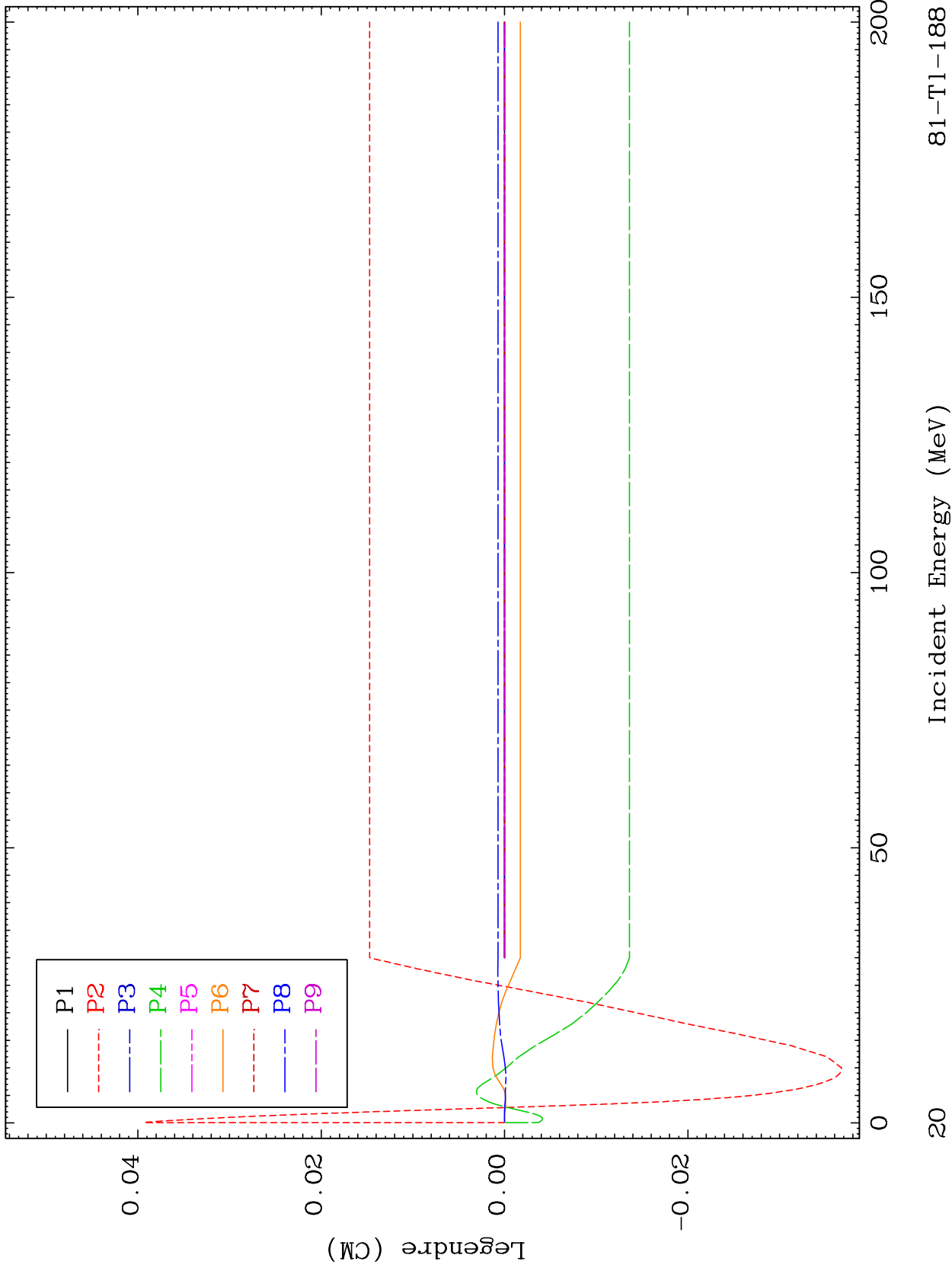
Incident Energy (MeV)

81-Tl-188

MAT 8080

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

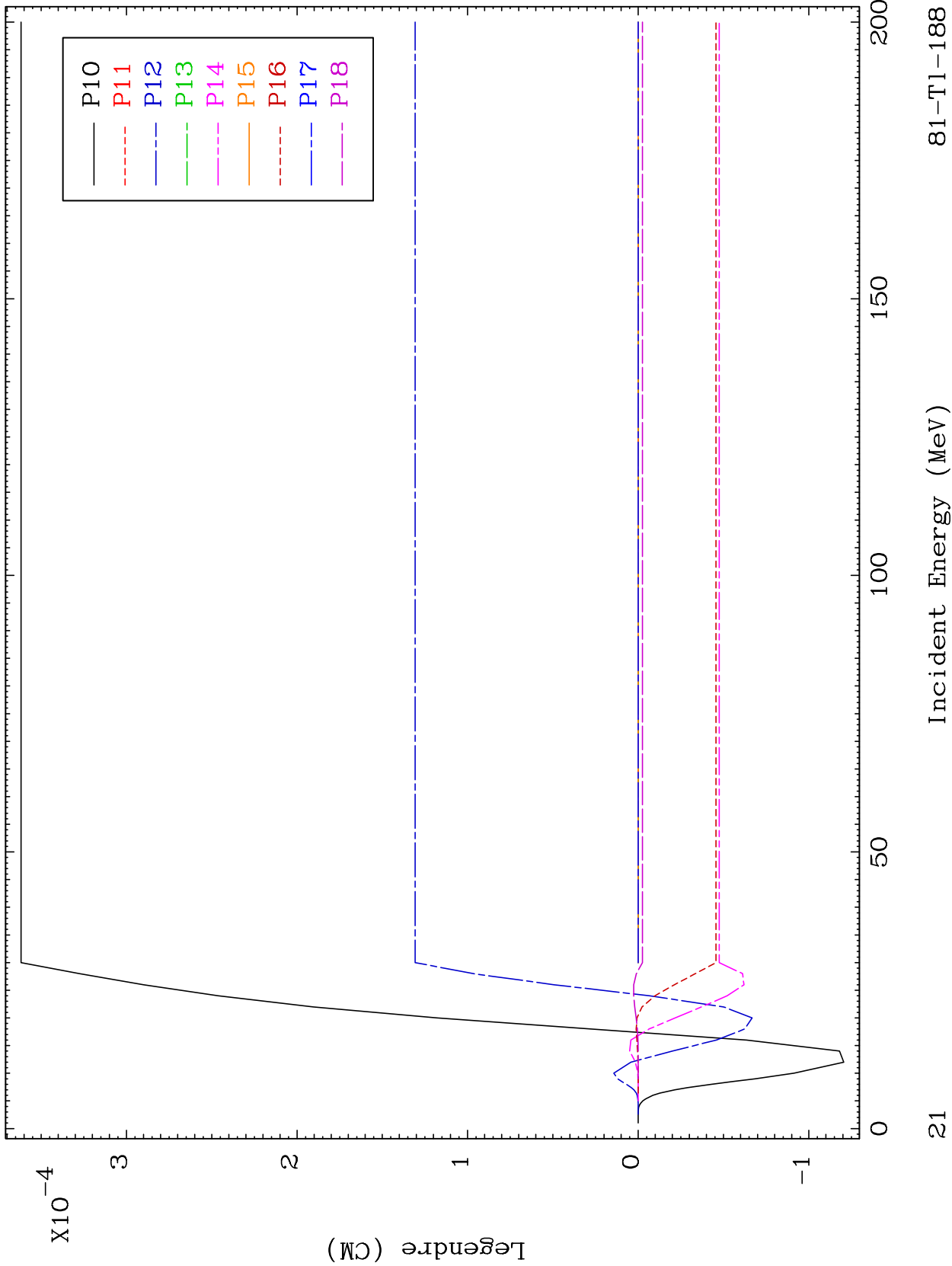
81-Tl-188



MAT 8080

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

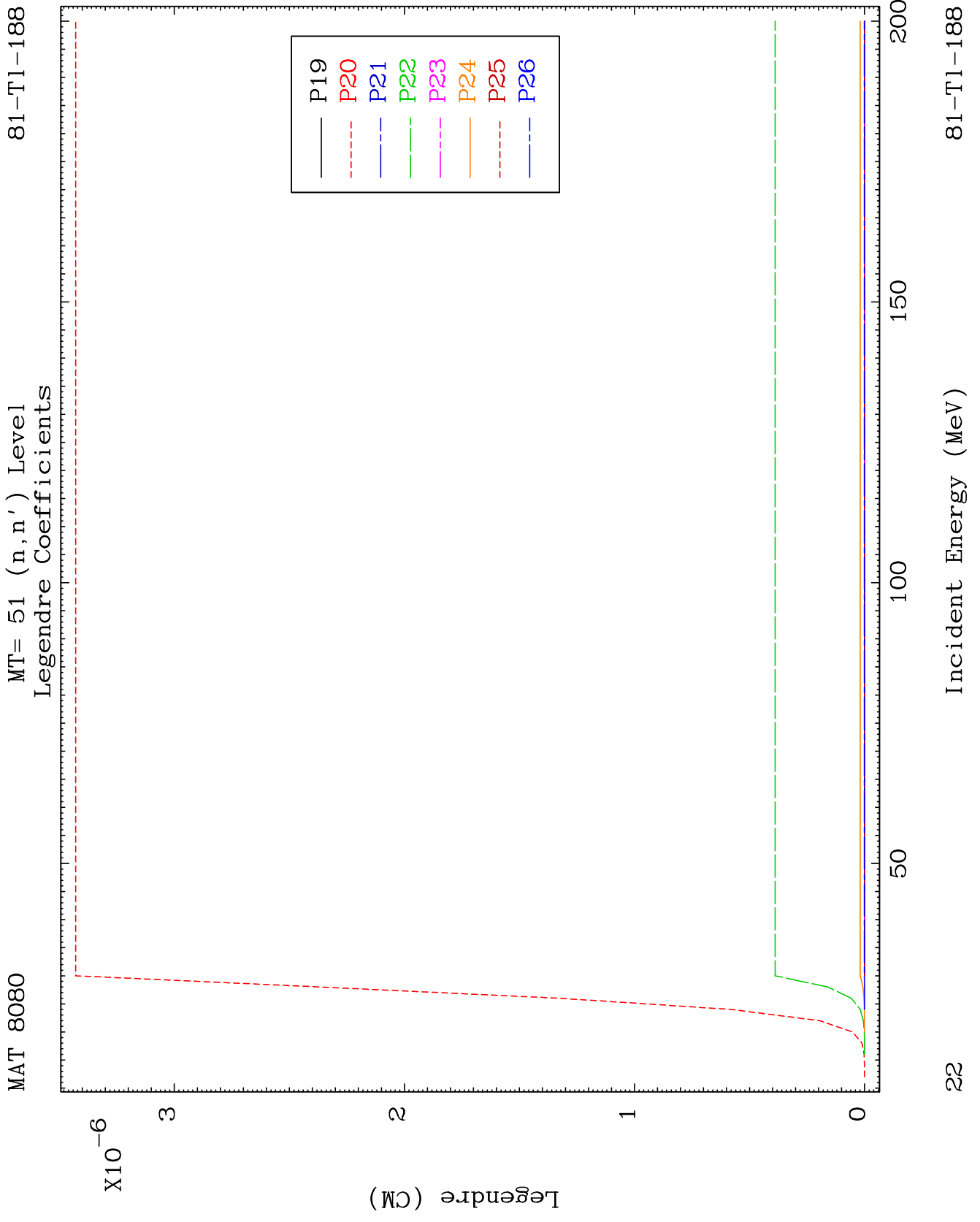
81-Tl-188

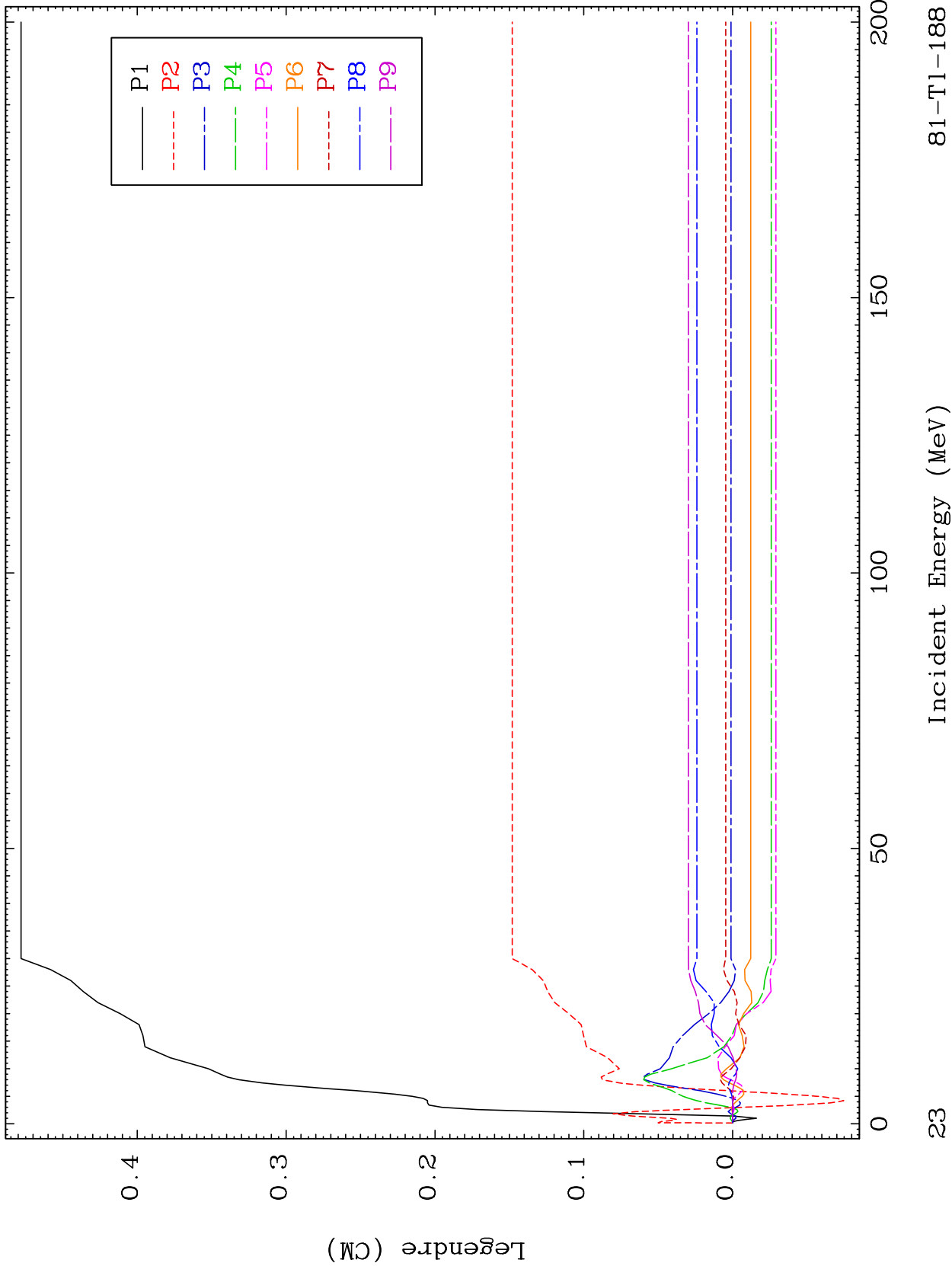


21

Incident Energy (MeV)

81-Tl-188

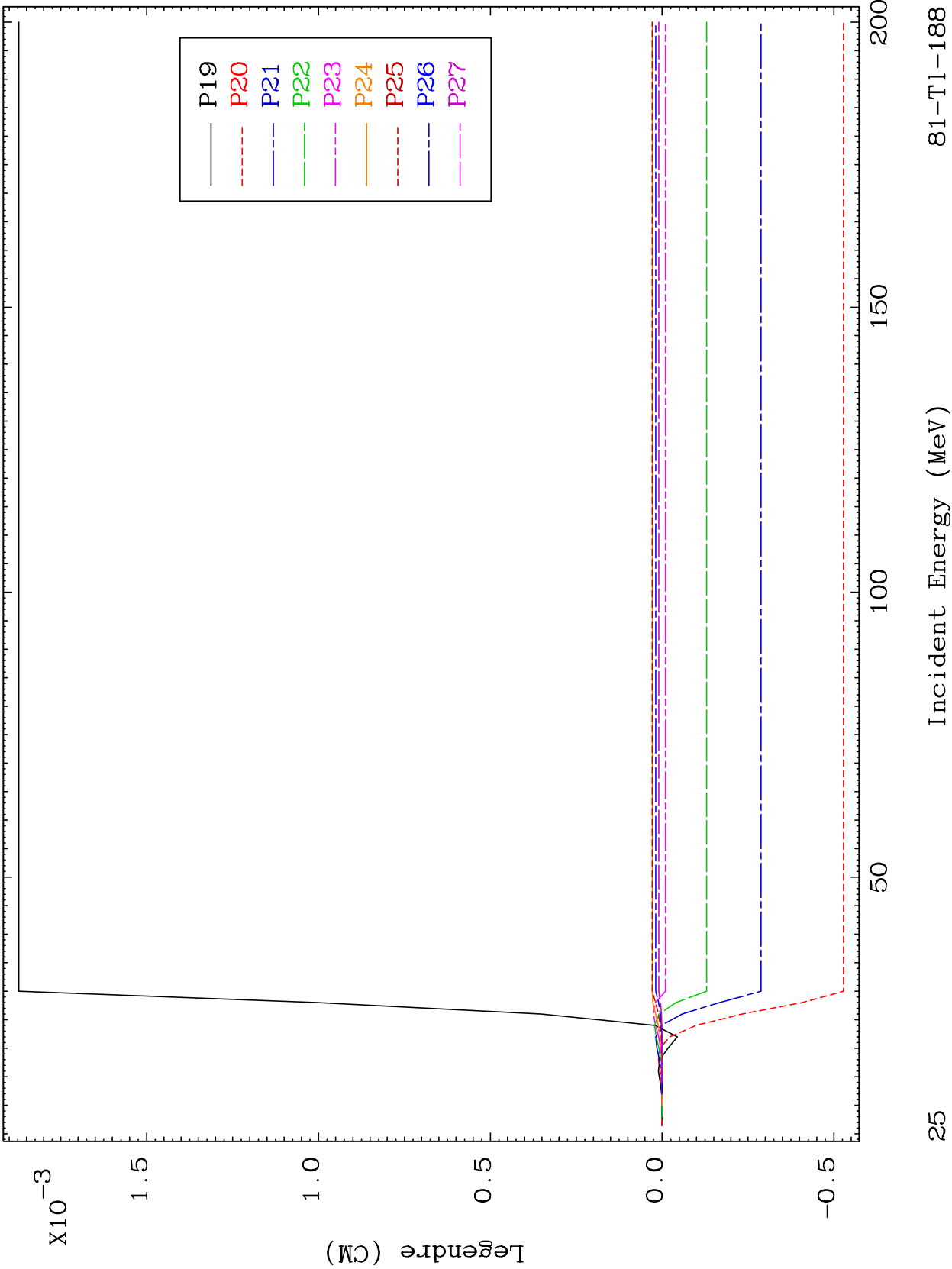




MAT 8080

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

81-Tl-188



25

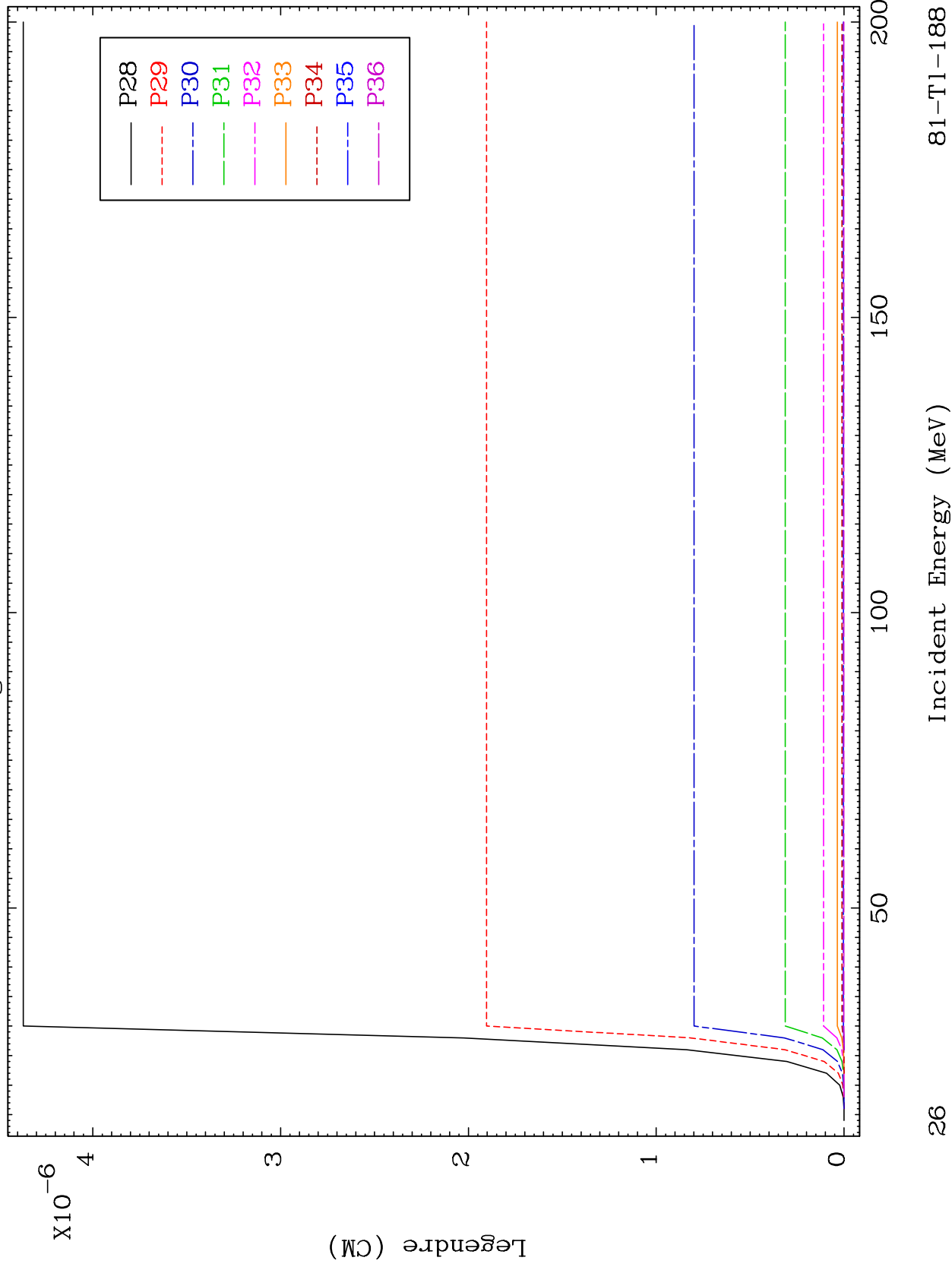
Incident Energy (MeV)

81-Tl-188

MAT 8080

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

81-Tl-188



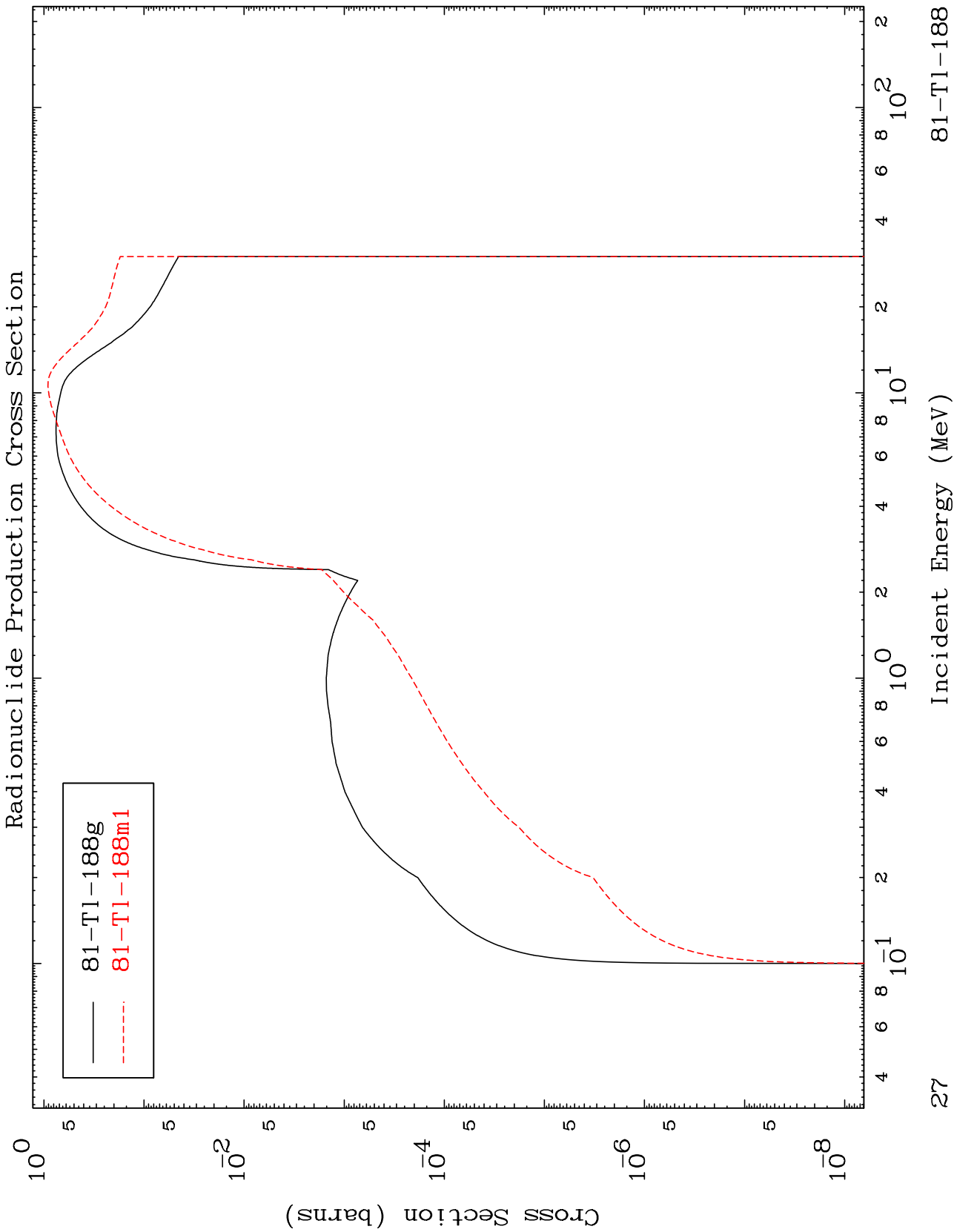
26

Incident Energy (MeV)

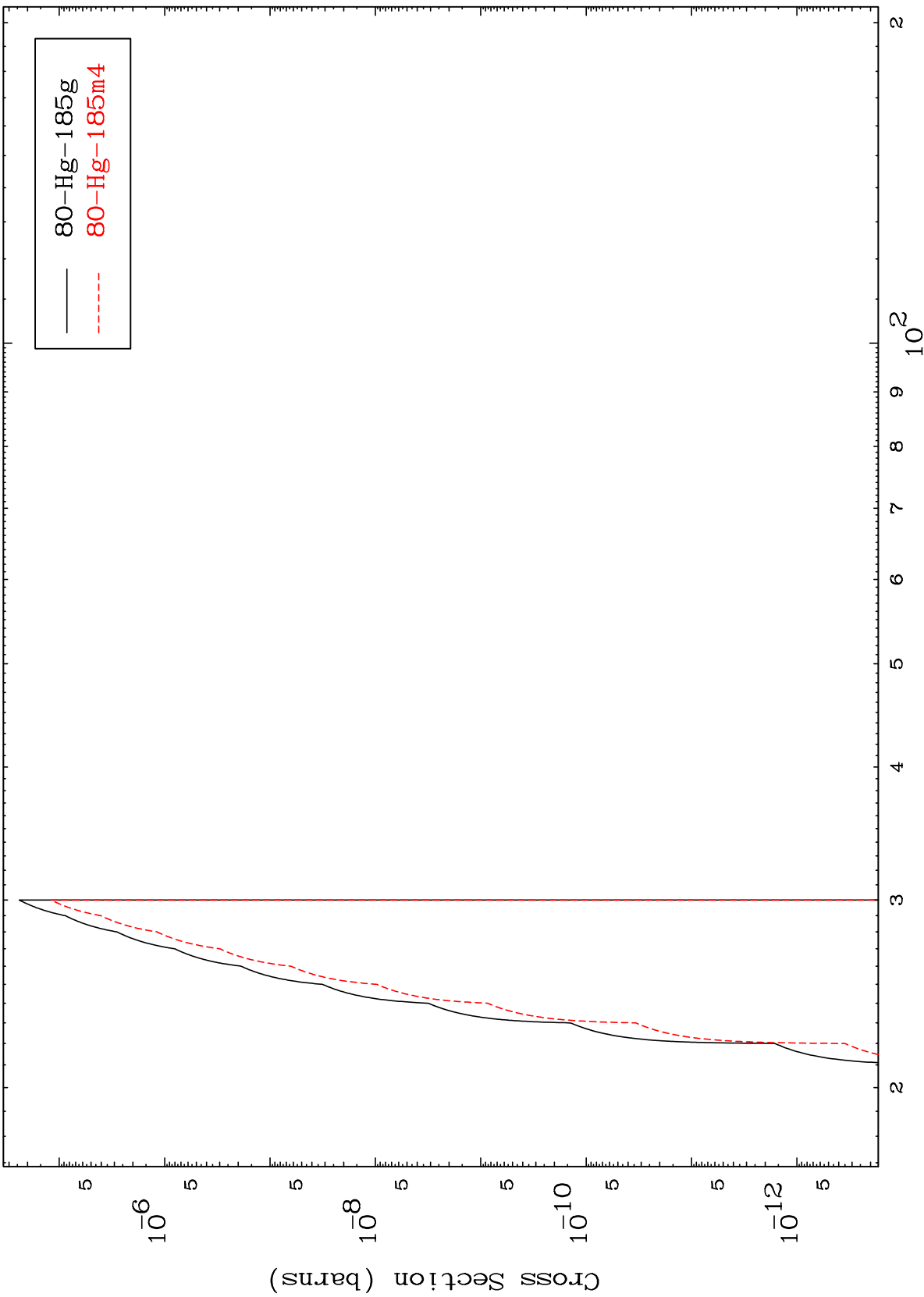
81-Tl-188

MAT 8080

81-Tl-188



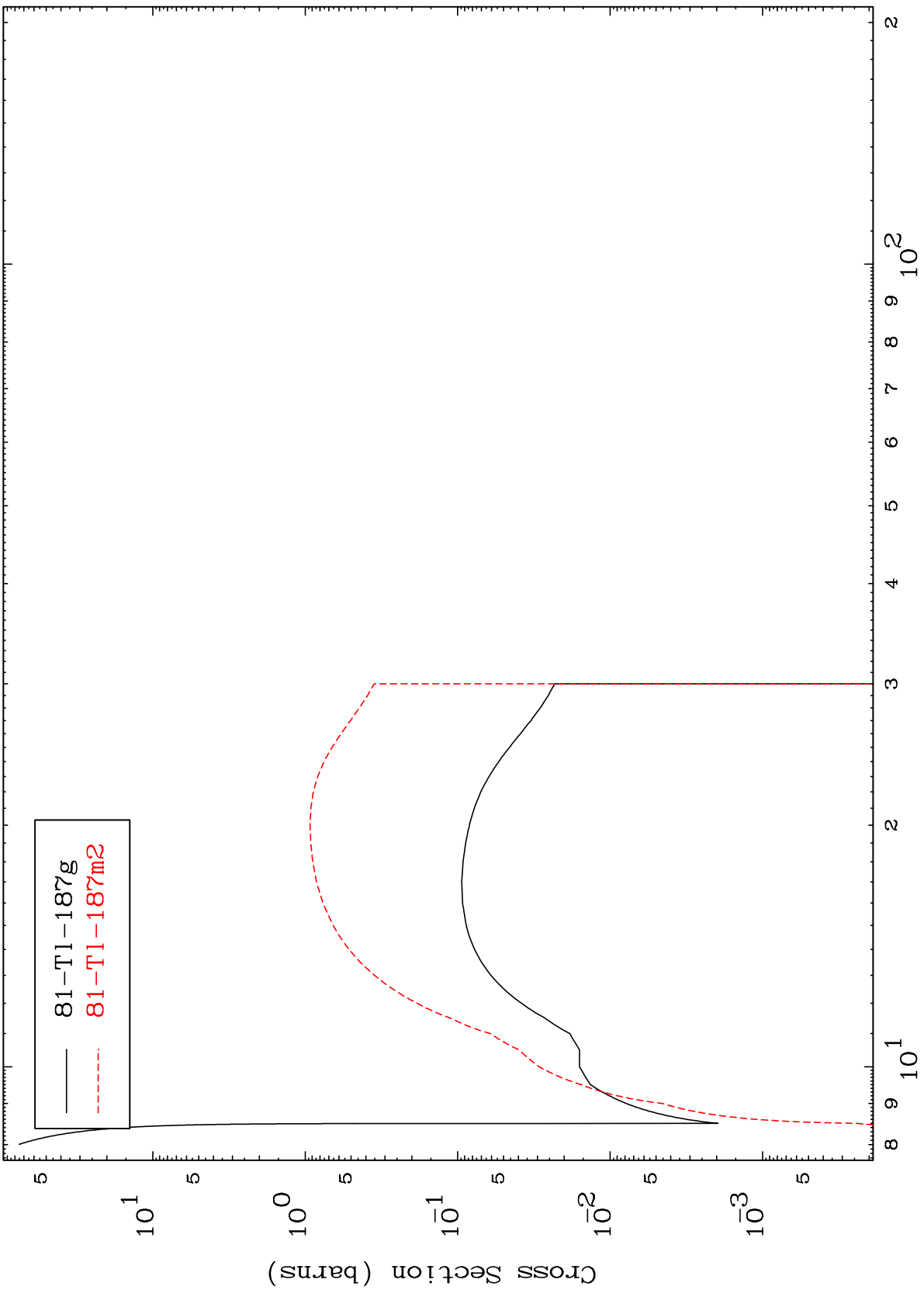
Radionuclide Production Cross Section



MAT 8080

81-Tl-188

Radionuclide Production Cross Section (n,2n)



29

81-Tl-188

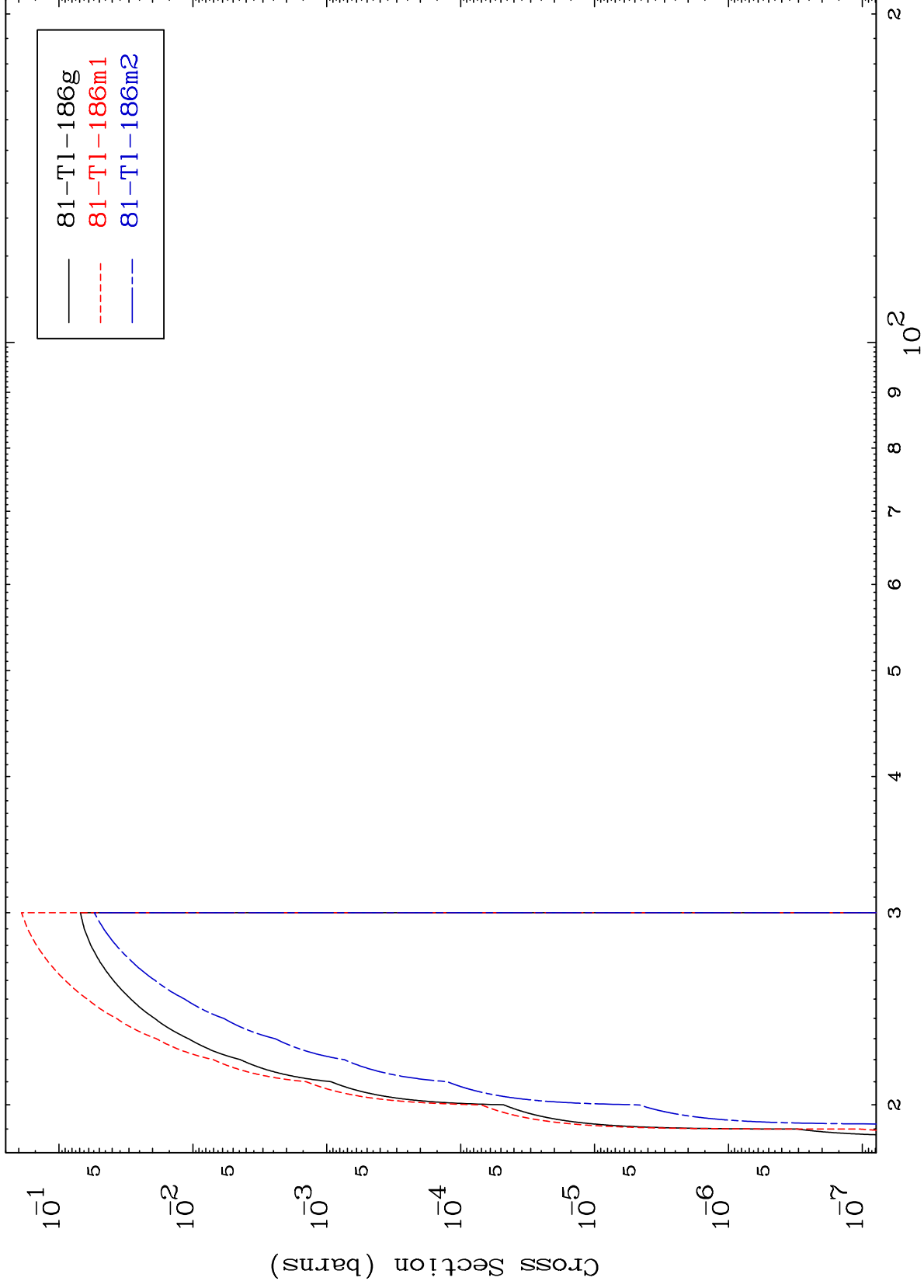
Incident Energy (MeV)

MAT 8080

(n,3n)

81-Tl-188

Radionuclide Production Cross Section



30

Incident Energy (MeV)

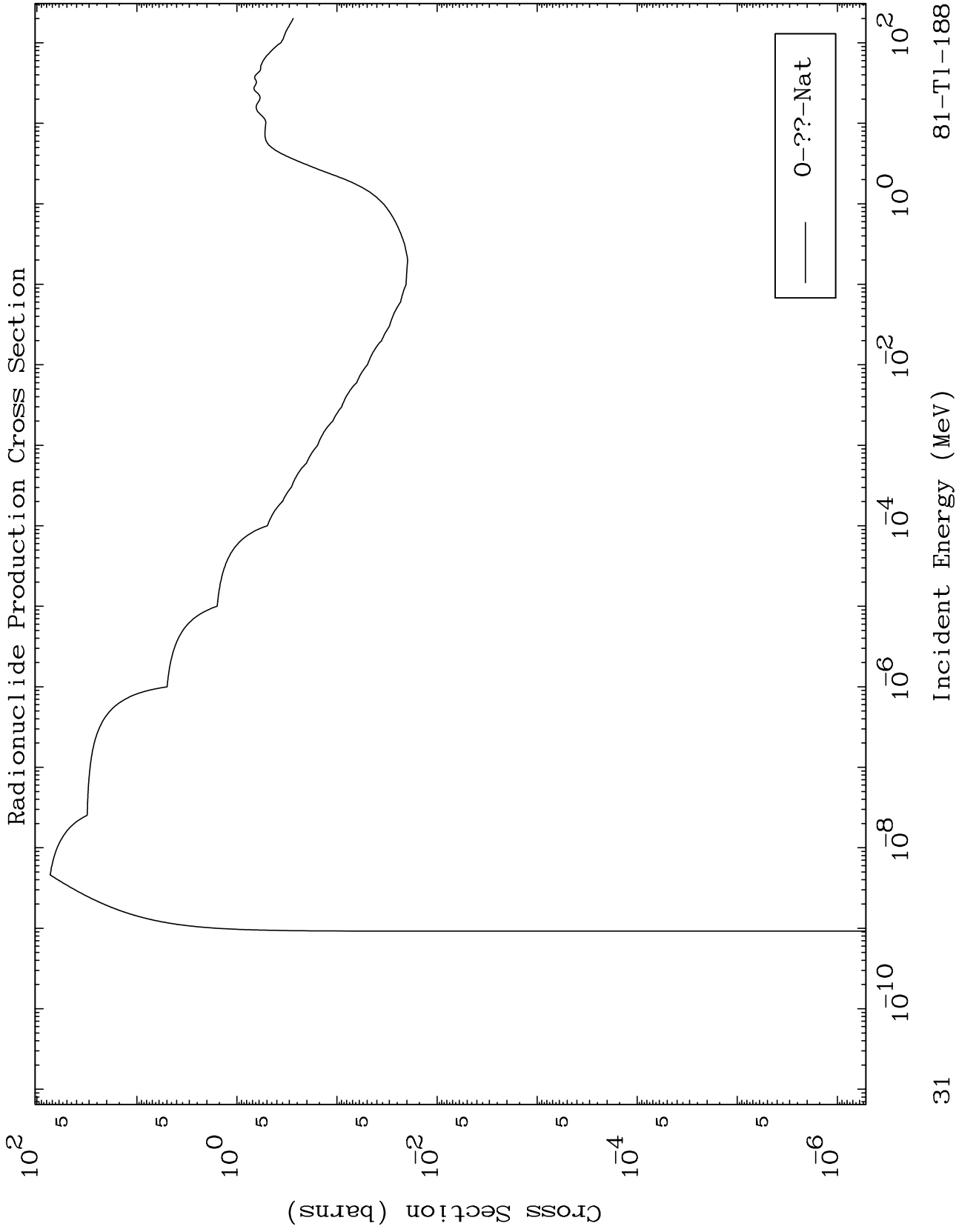
81-Tl-188

MAT 8080

Fission

81-Tl-188

Radionuclide Production Cross Section



31

Incident Energy (MeV)

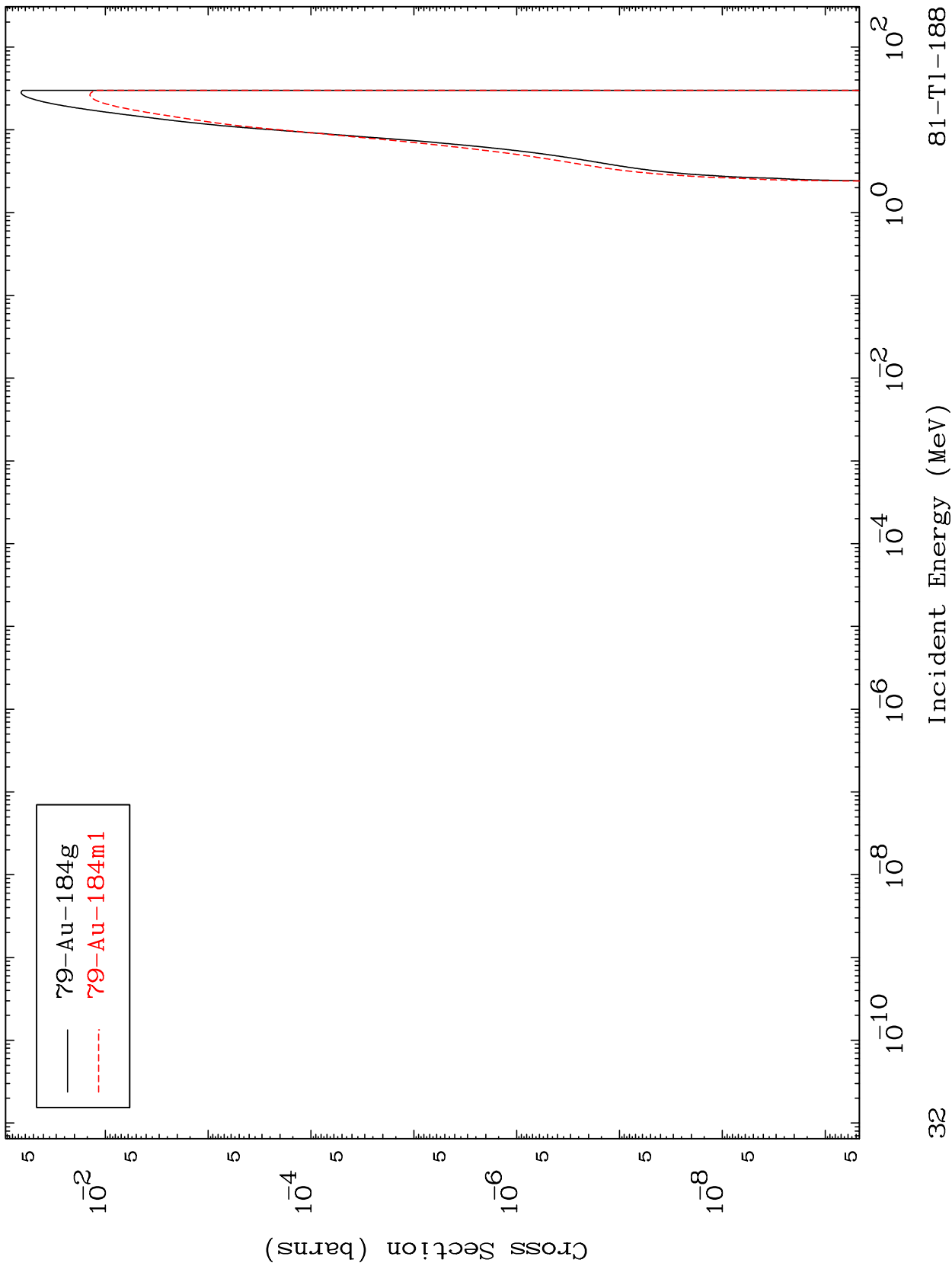
81-Tl-188

MAT 8080

$(n, n') \alpha$

81-Tl-188

Radionuclide Production Cross Section

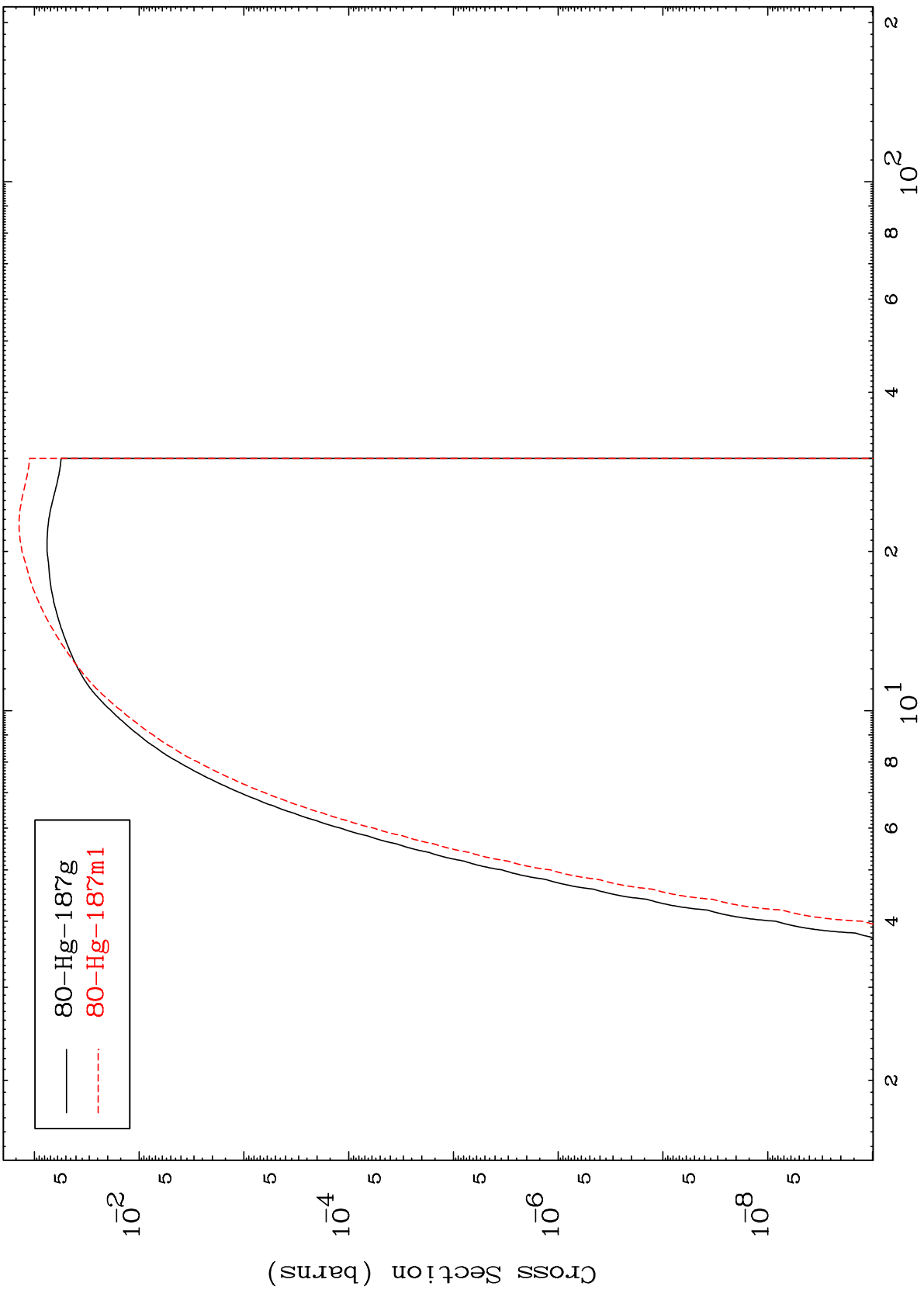


MAT 8080

(n,n') p

81-Tl-188

Radionuclide Production Cross Section

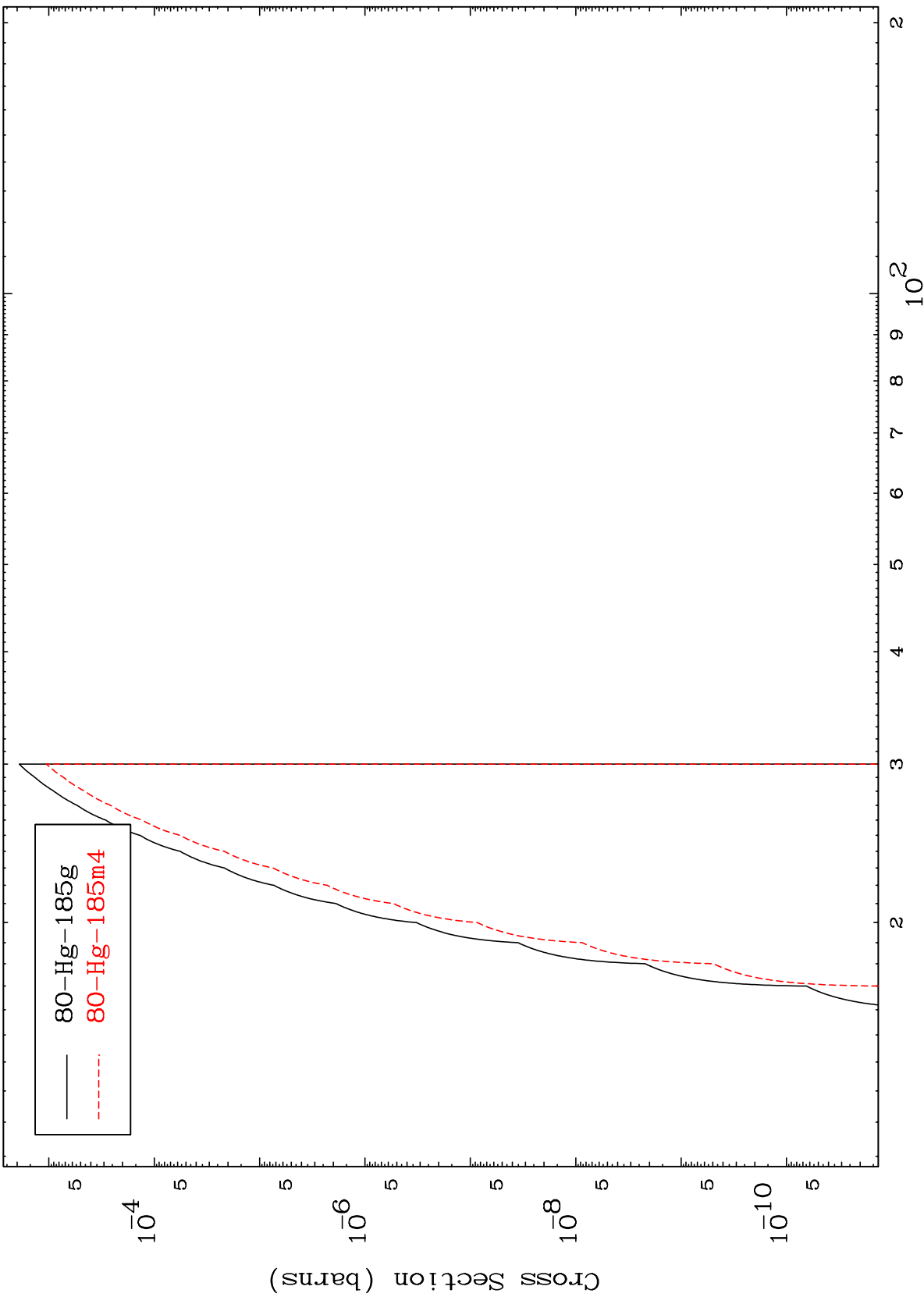


MAT 8080

(n,n') t

81-Tl-188

Radionuclide Production Cross Section



34

Incident Energy (MeV)

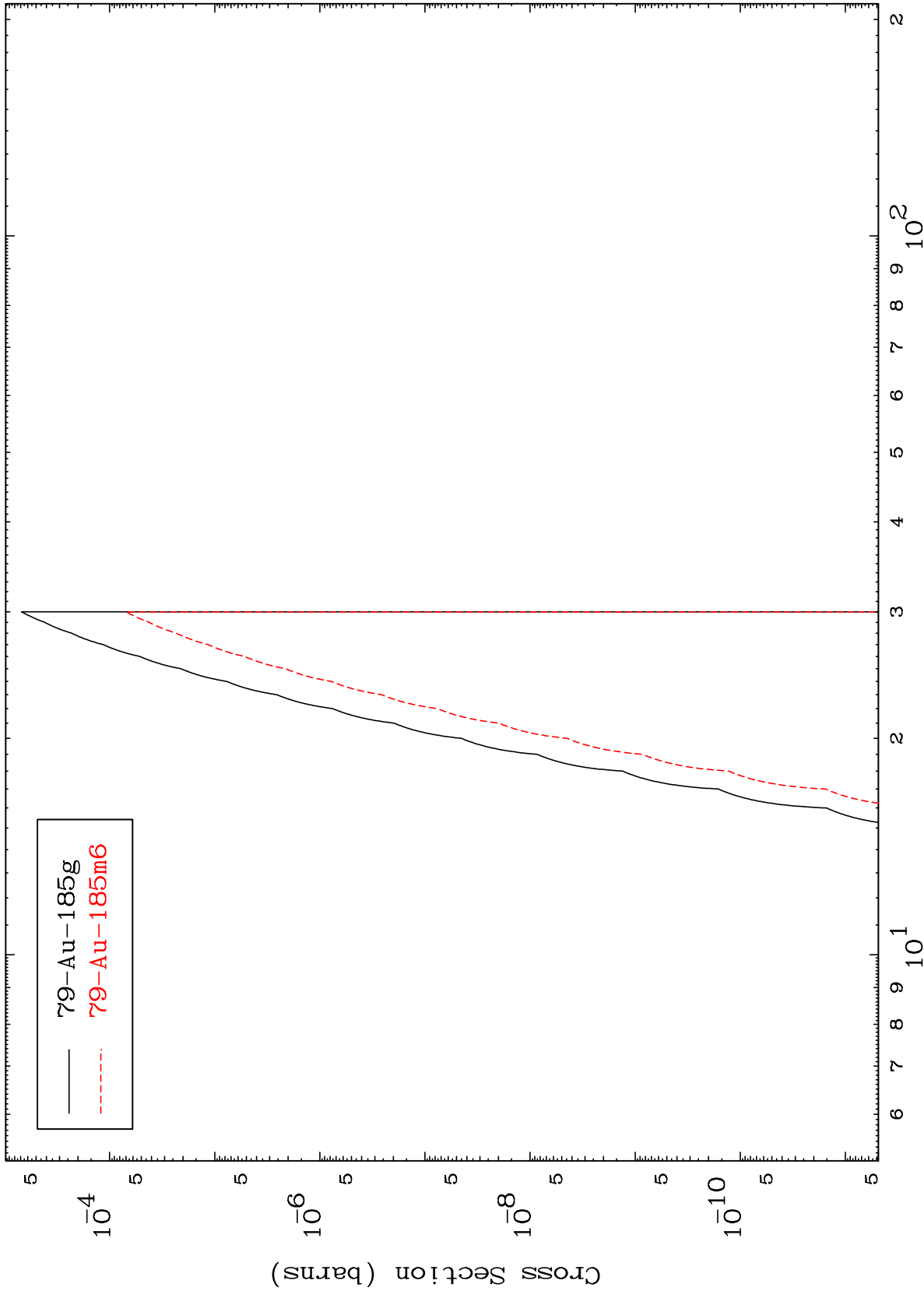
81-Tl-188

MAT 8080

(n,n') He-3

81-Tl-188

Radionuclide Production Cross Section



35

Incident Energy (MeV)

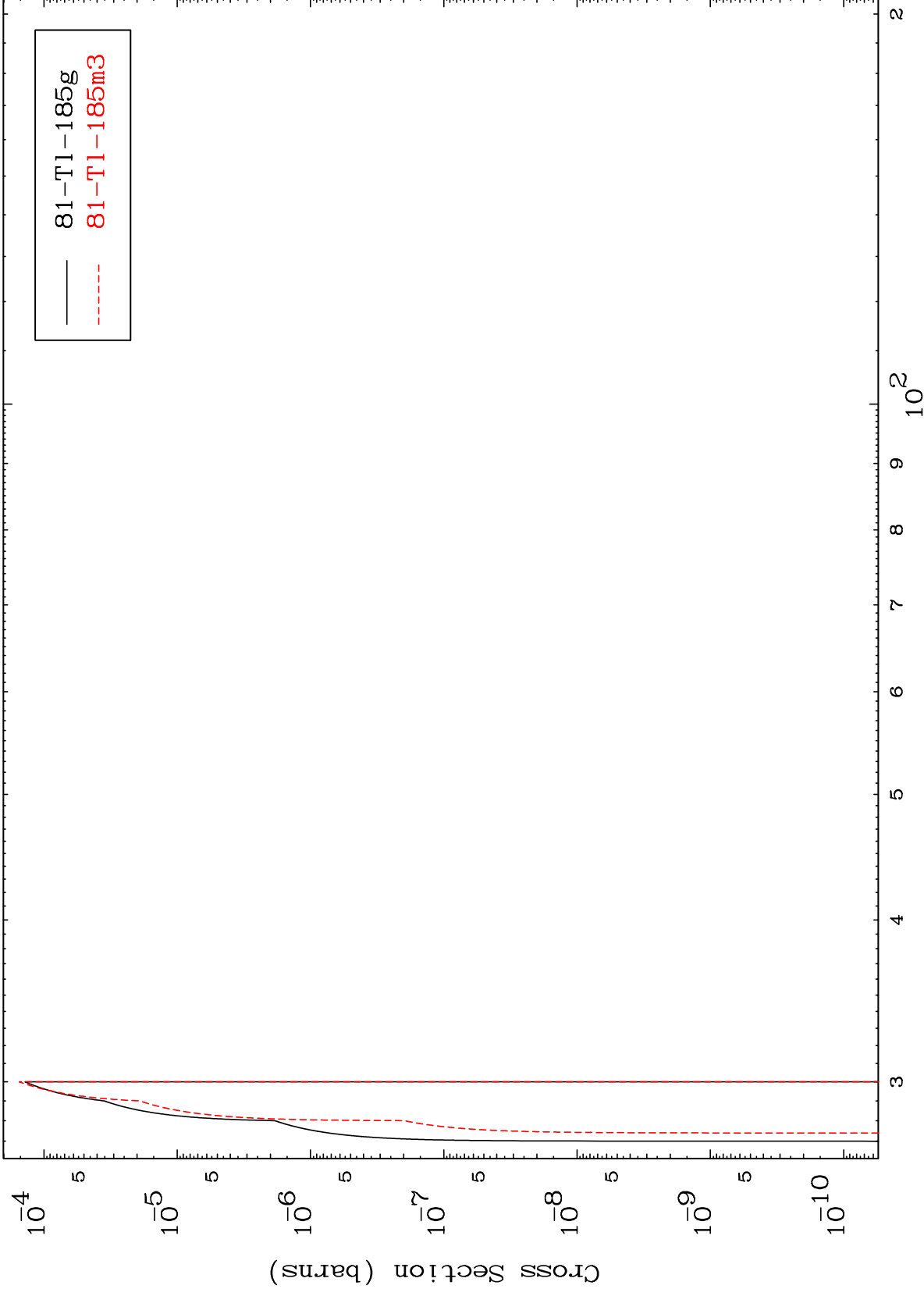
81-Tl-188

MAT 8080

(n,4n)

81-Tl-188

Radionuclide Production Cross Section

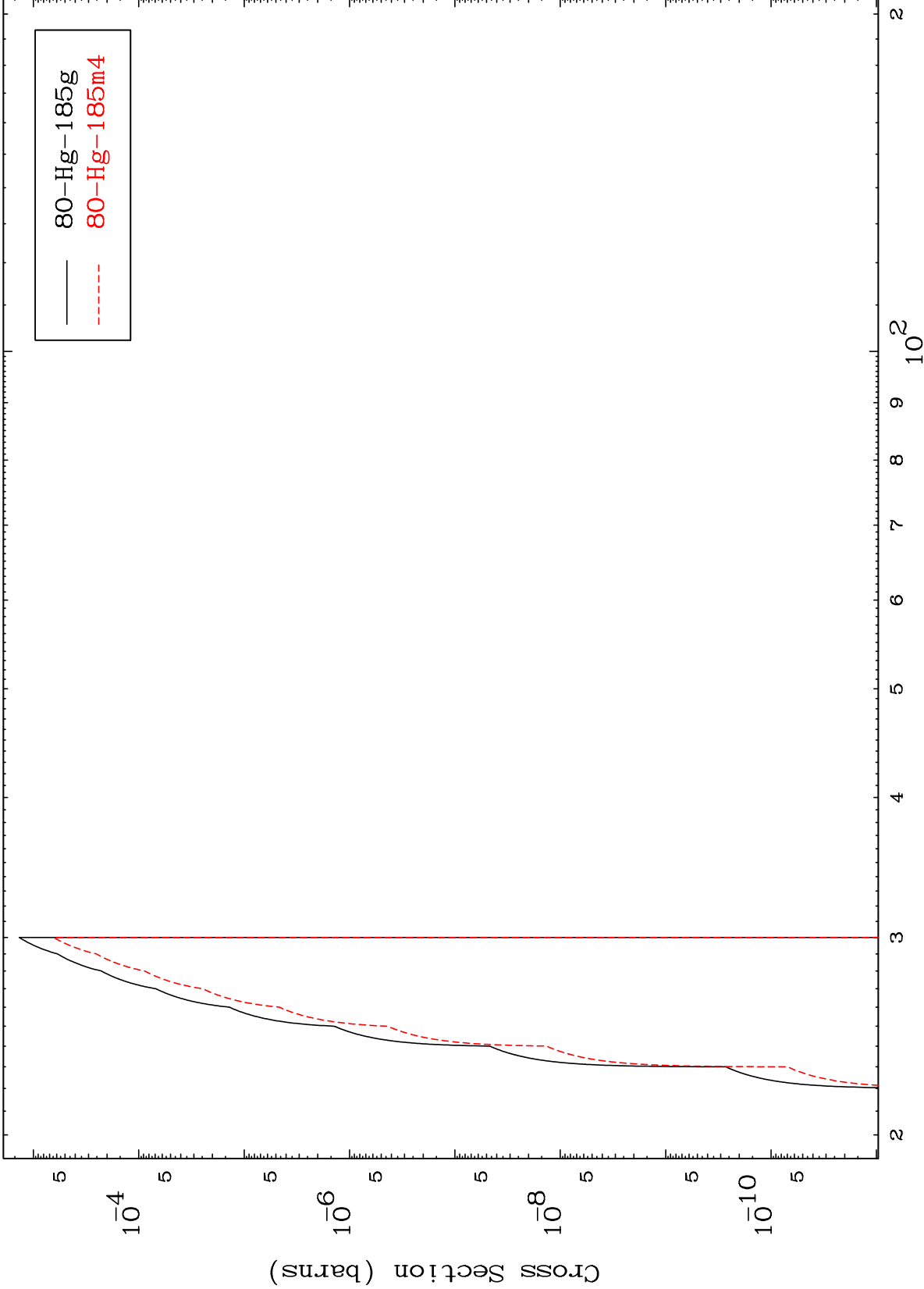


MAT 8080

(n,3n) p

81-Tl-188

Radionuclide Production Cross Section



37

Incident Energy (MeV)

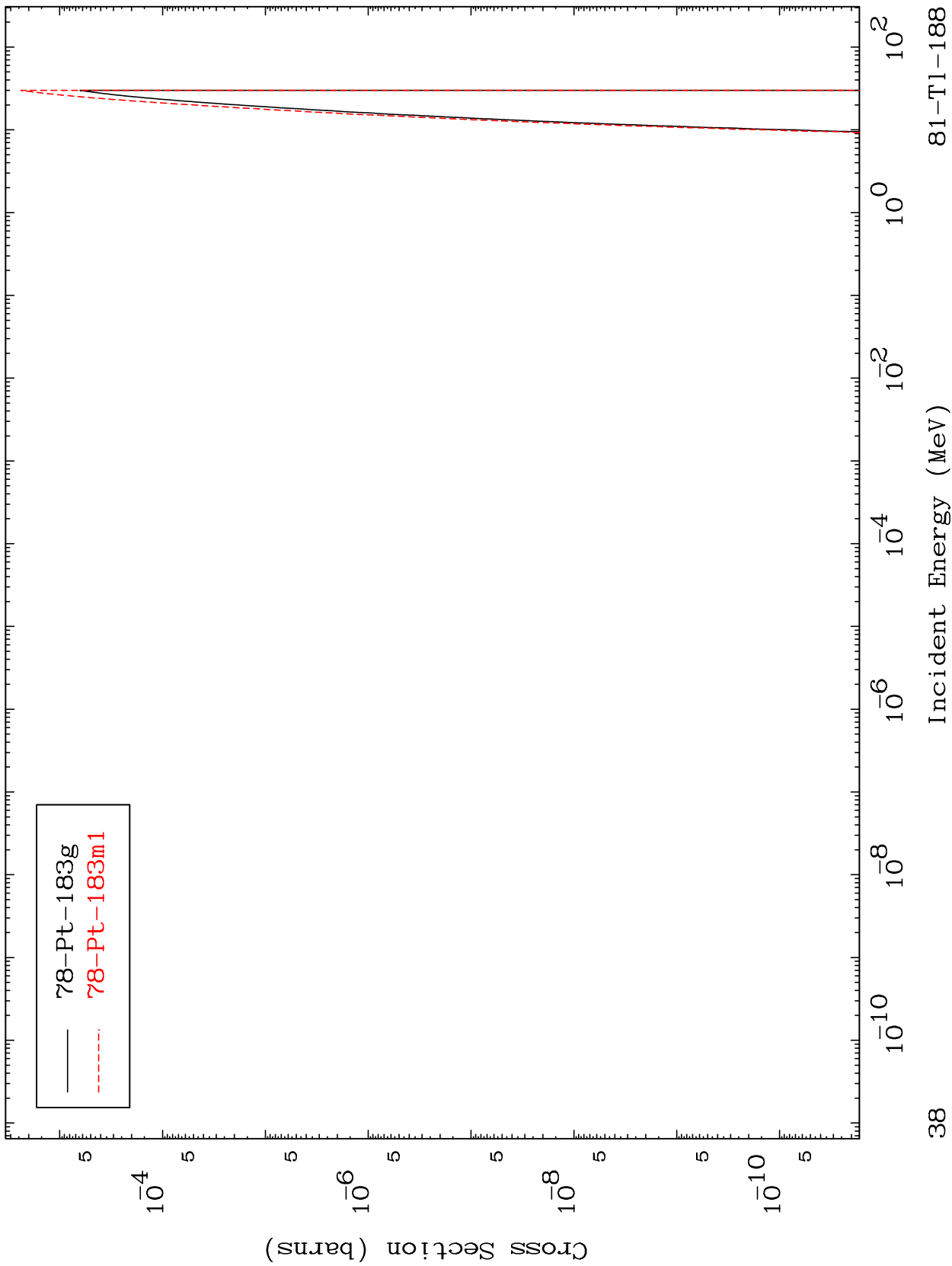
81-Tl-188

MAT 8080

(n,n') p α

81-Tl-188

Radionuclide Production Cross Section

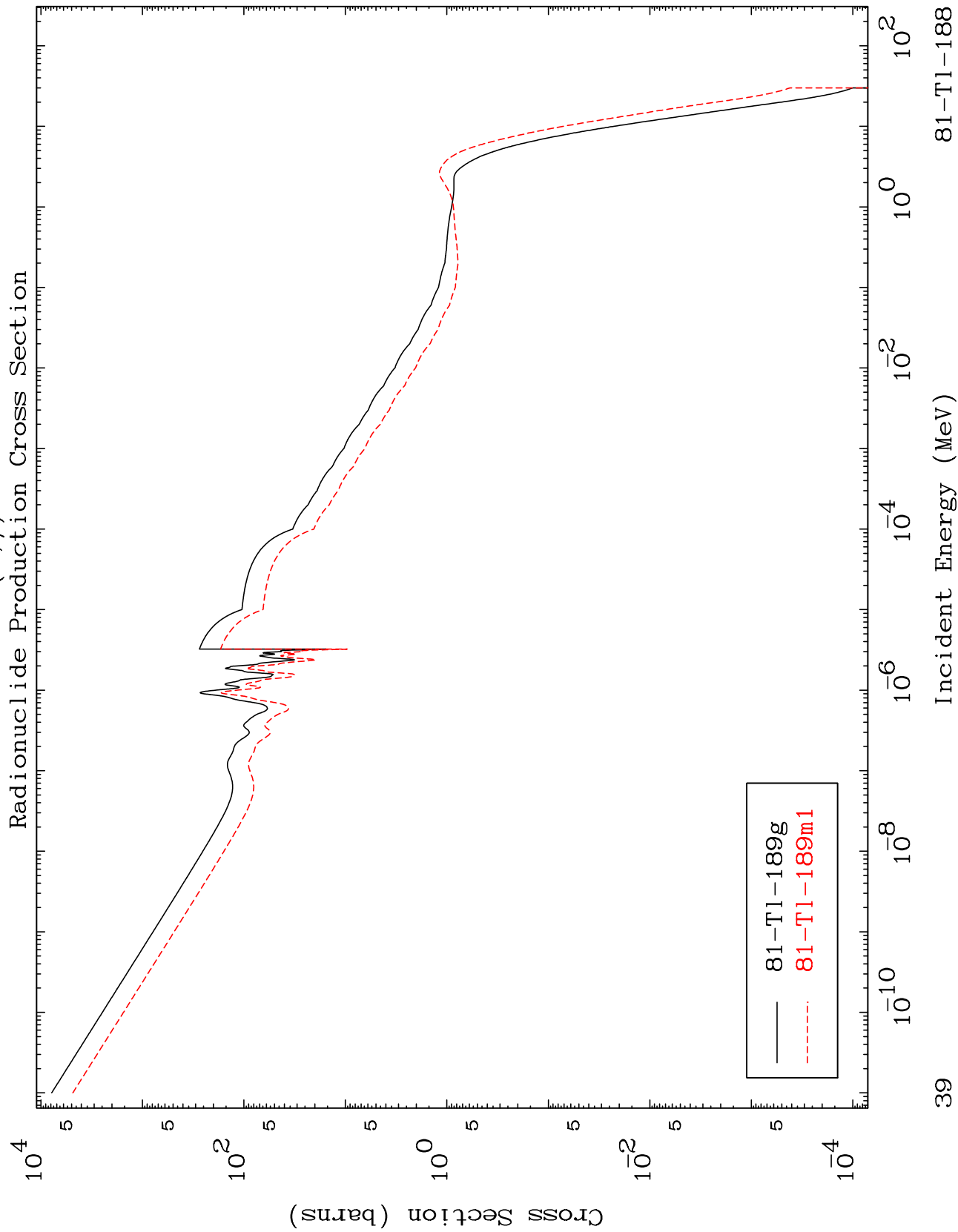


78-Pt-183g
78-Pt-183m1

MAT 8080

81-Tl-188

Radionuclide Production Cross Section
(n, γ)

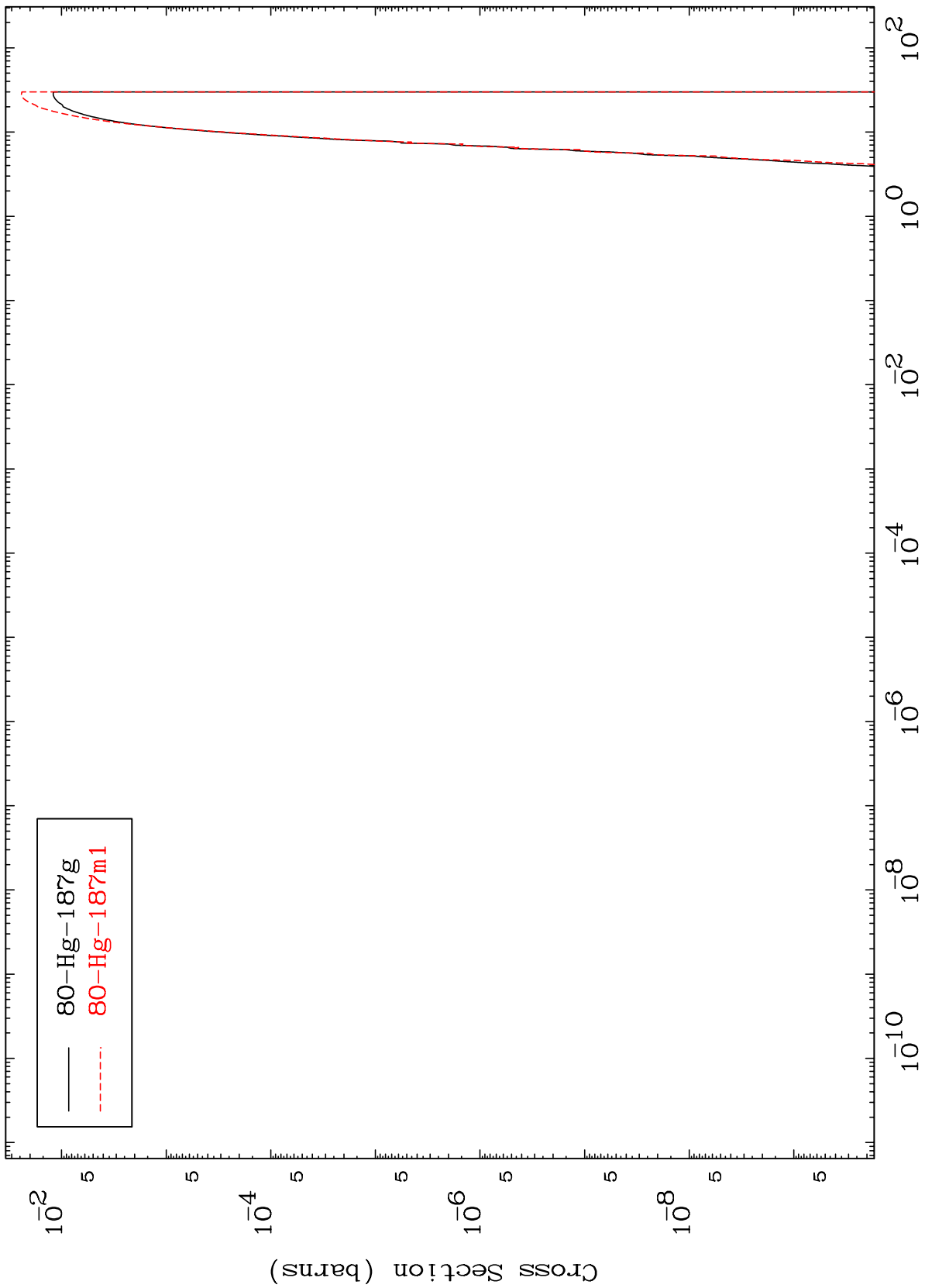


MAT 8080

(n,d)

81-Tl-188

Radionuclide Production Cross Section



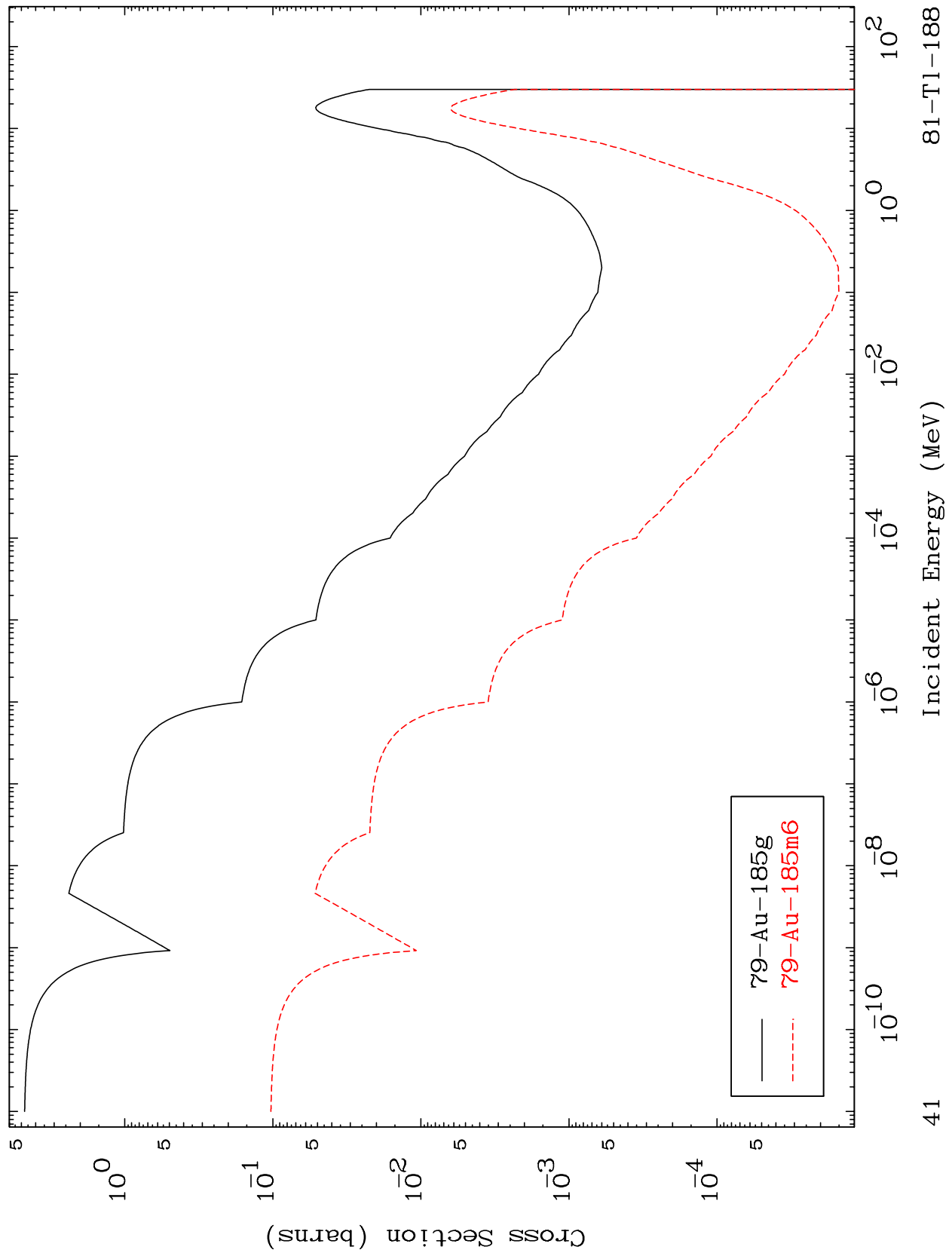
80-Hg-187g
80-Hg-187m1

40

Incident Energy (MeV)

81-Tl-188

Radionuclide Production Cross Section (n,α)

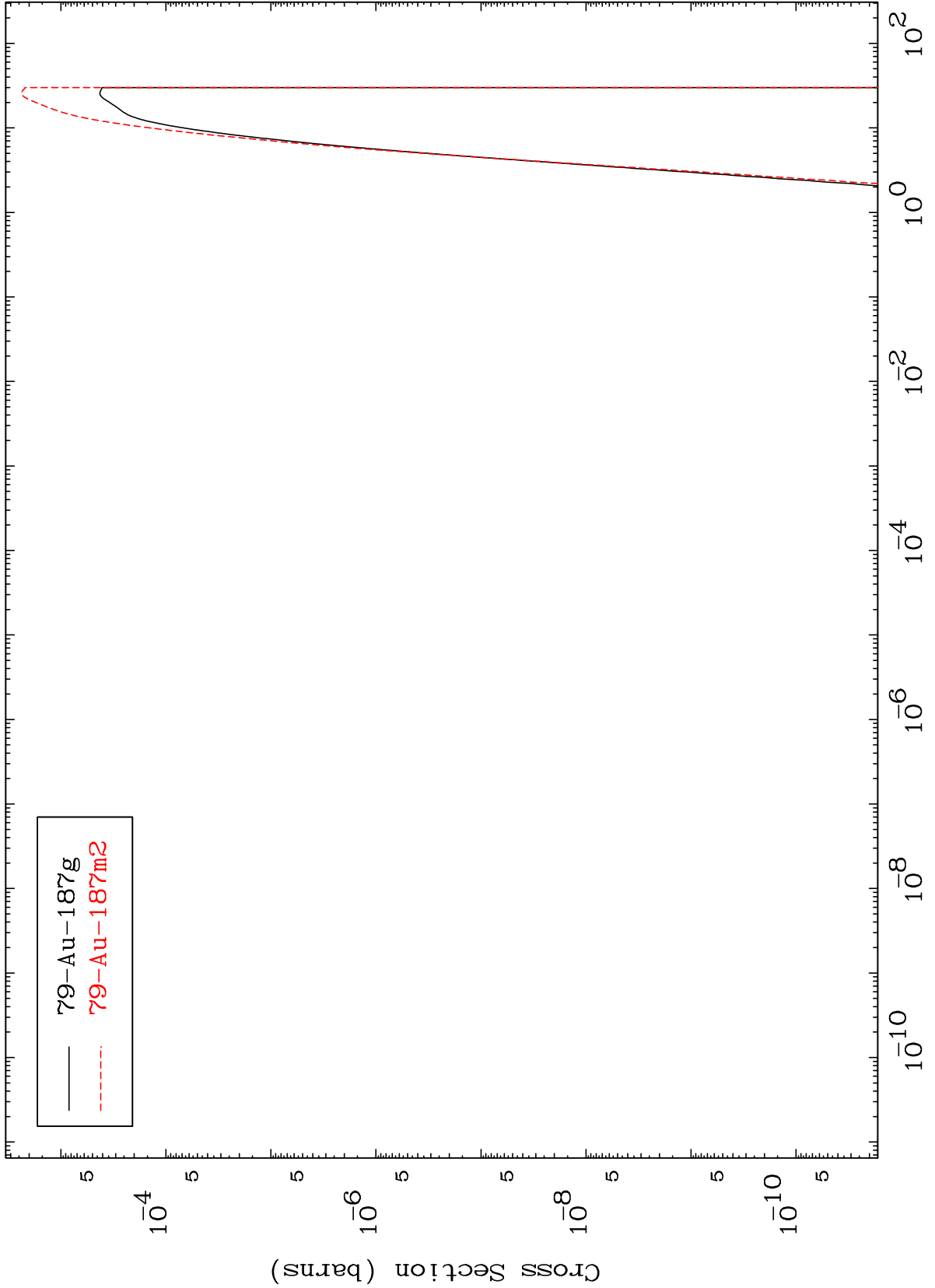


MAT 8080

(n,2p)

81-Tl-188

Radionuclide Production Cross Section

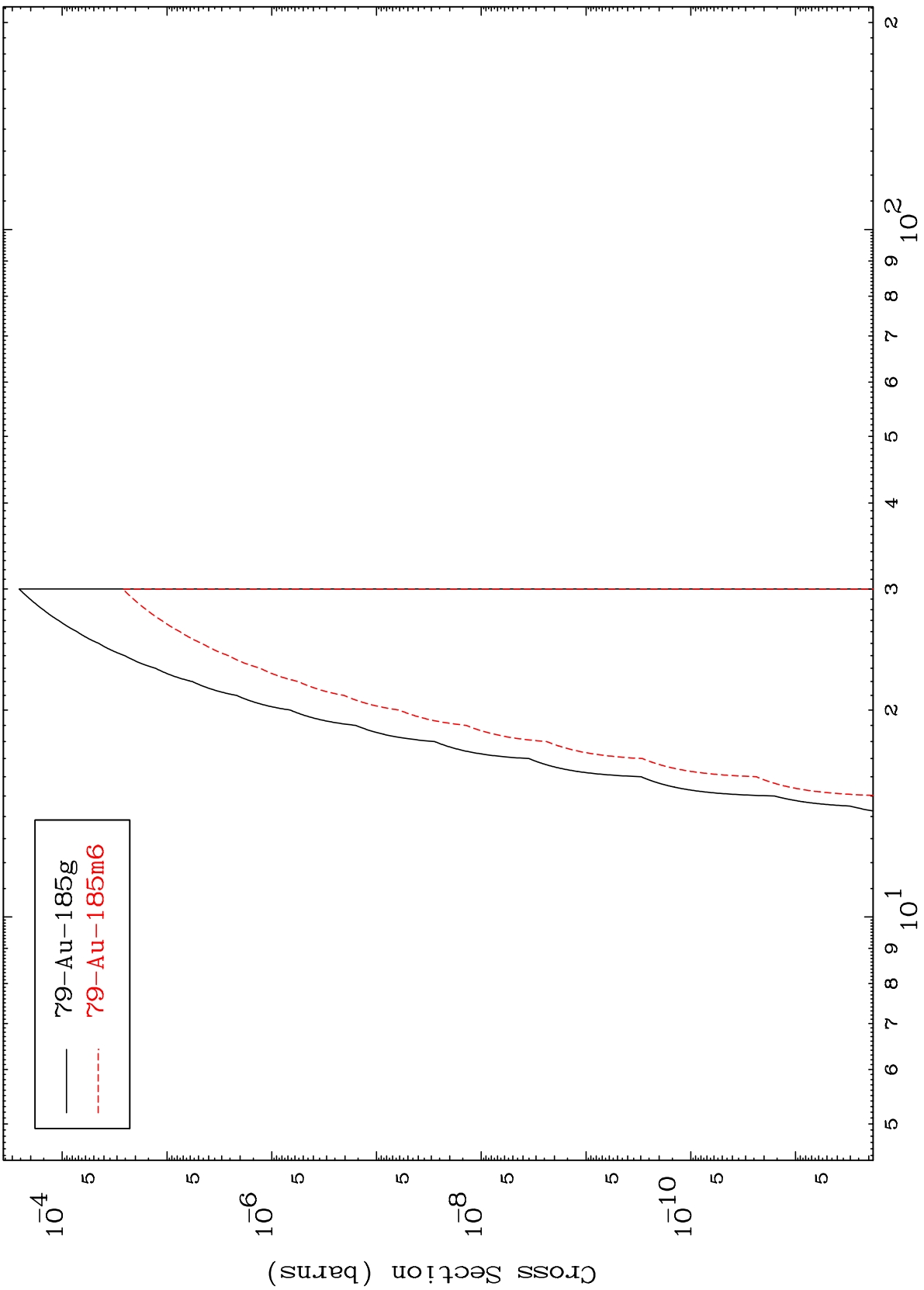


MAT 8080

(n,p) t

81-Tl-188

Radionuclide Production Cross Section



— ^{185}gAu
- - - $^{185}\text{m6Au}$

43

Incident Energy (MeV)

81-Tl-188

MAT 8080

(n,d) α

81-Tl-188

Radionuclide Production Cross Section

