

Program EVALPLOT
(Version 2018-1)

by

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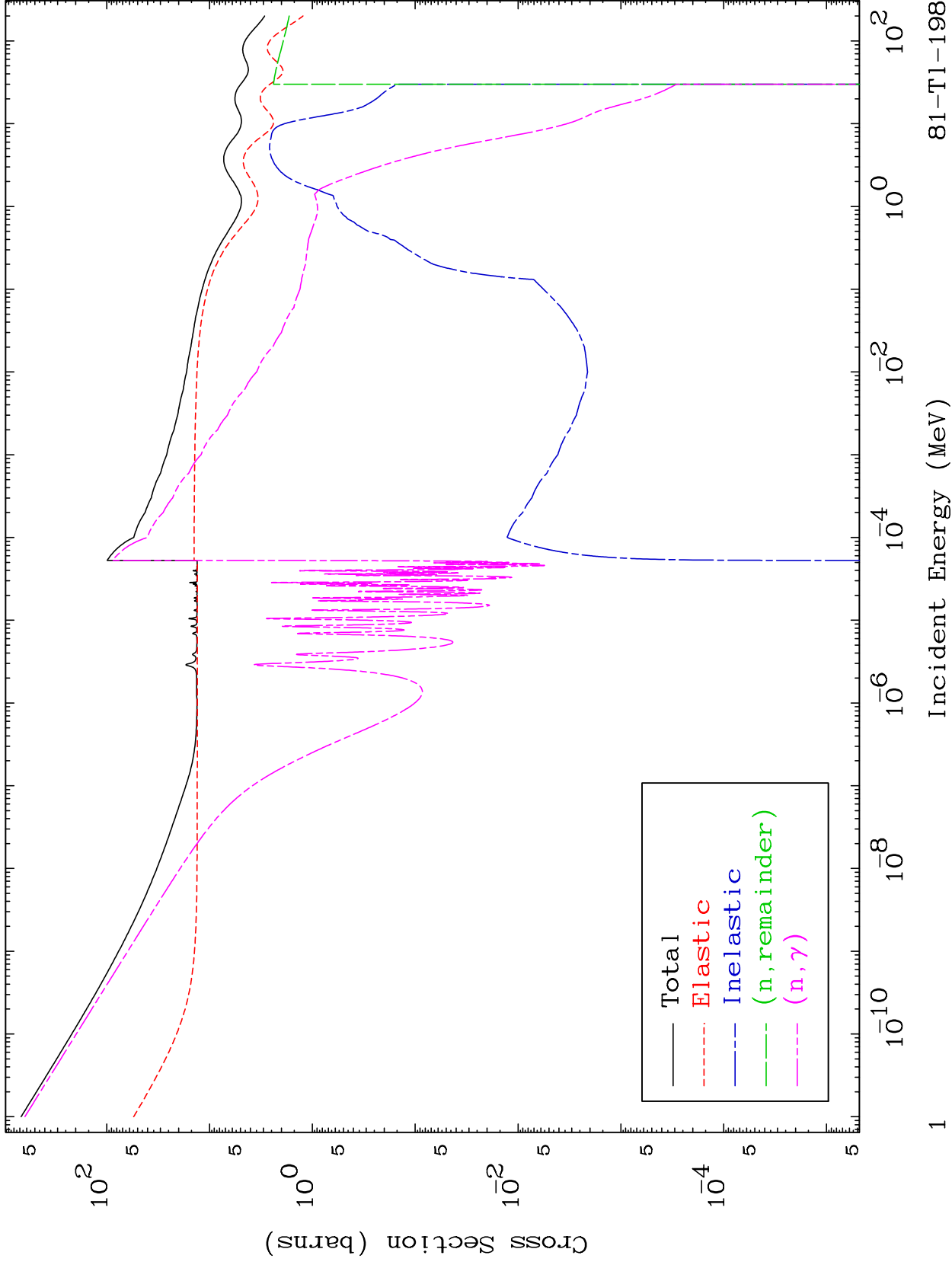
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 81111

Major
293 Kelvin Cross Sections

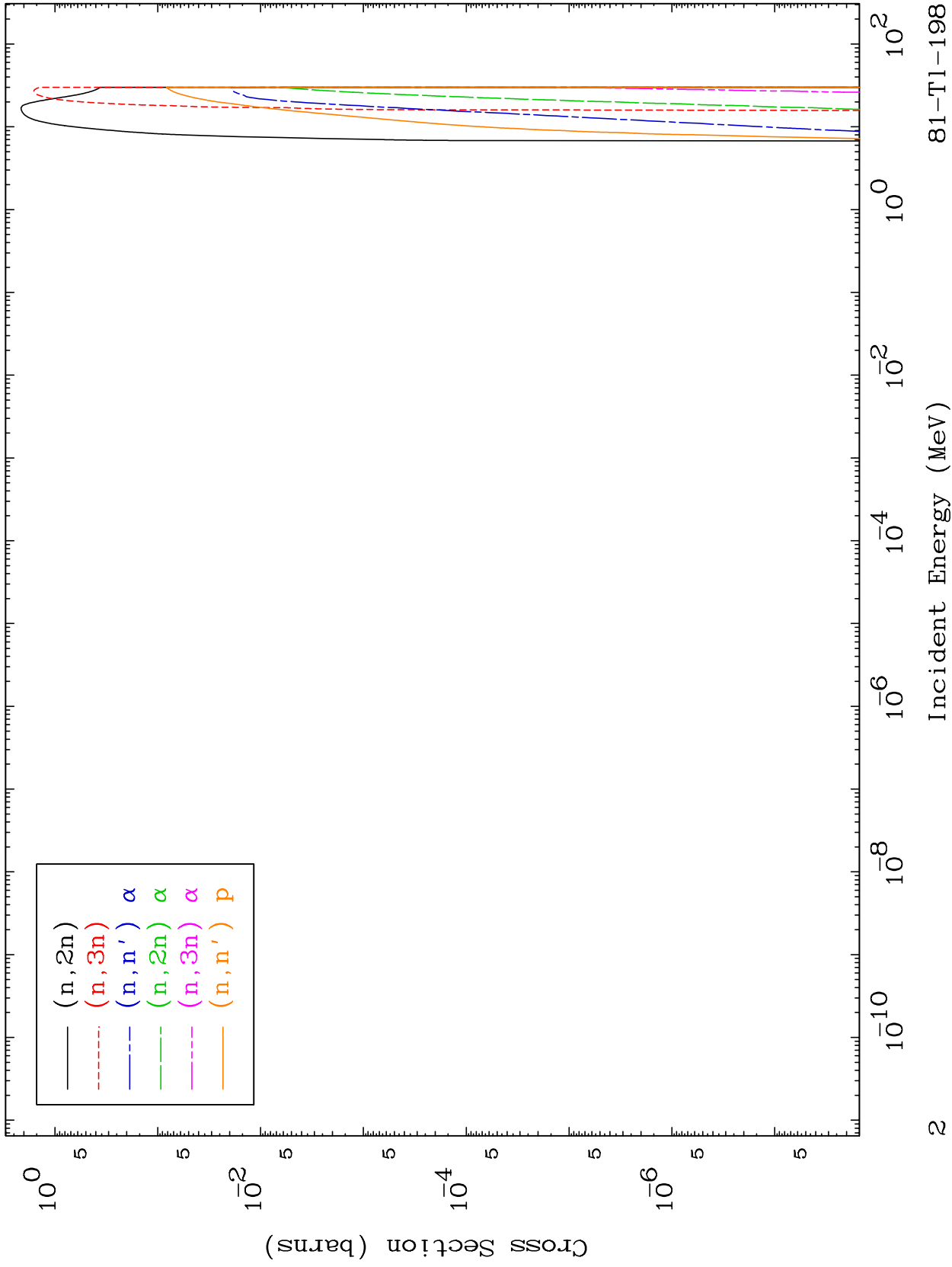
81-Tl-198

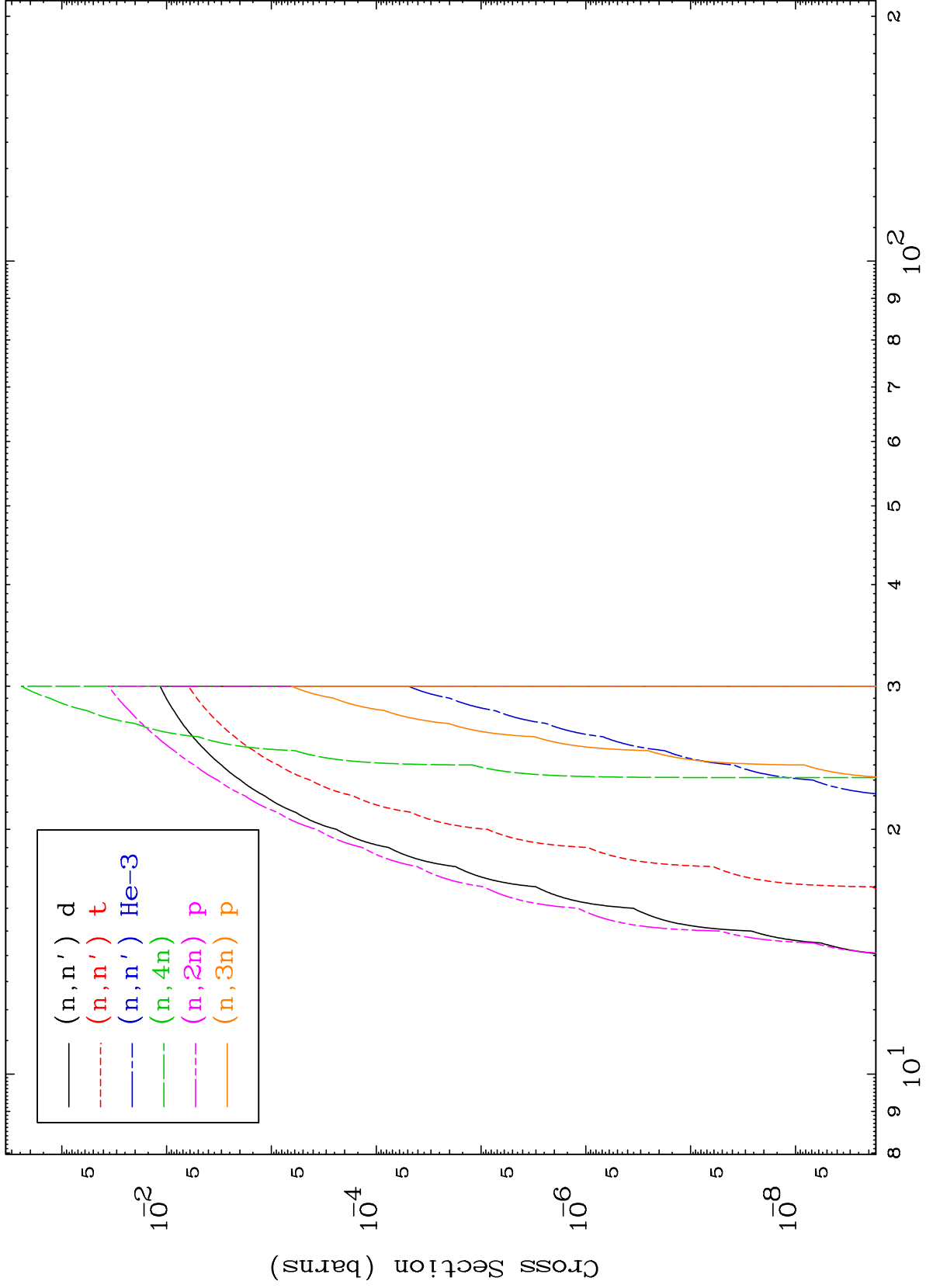


MAT 81111

Neutron Production
293 Kelvin Cross Sections

81-Tl-198

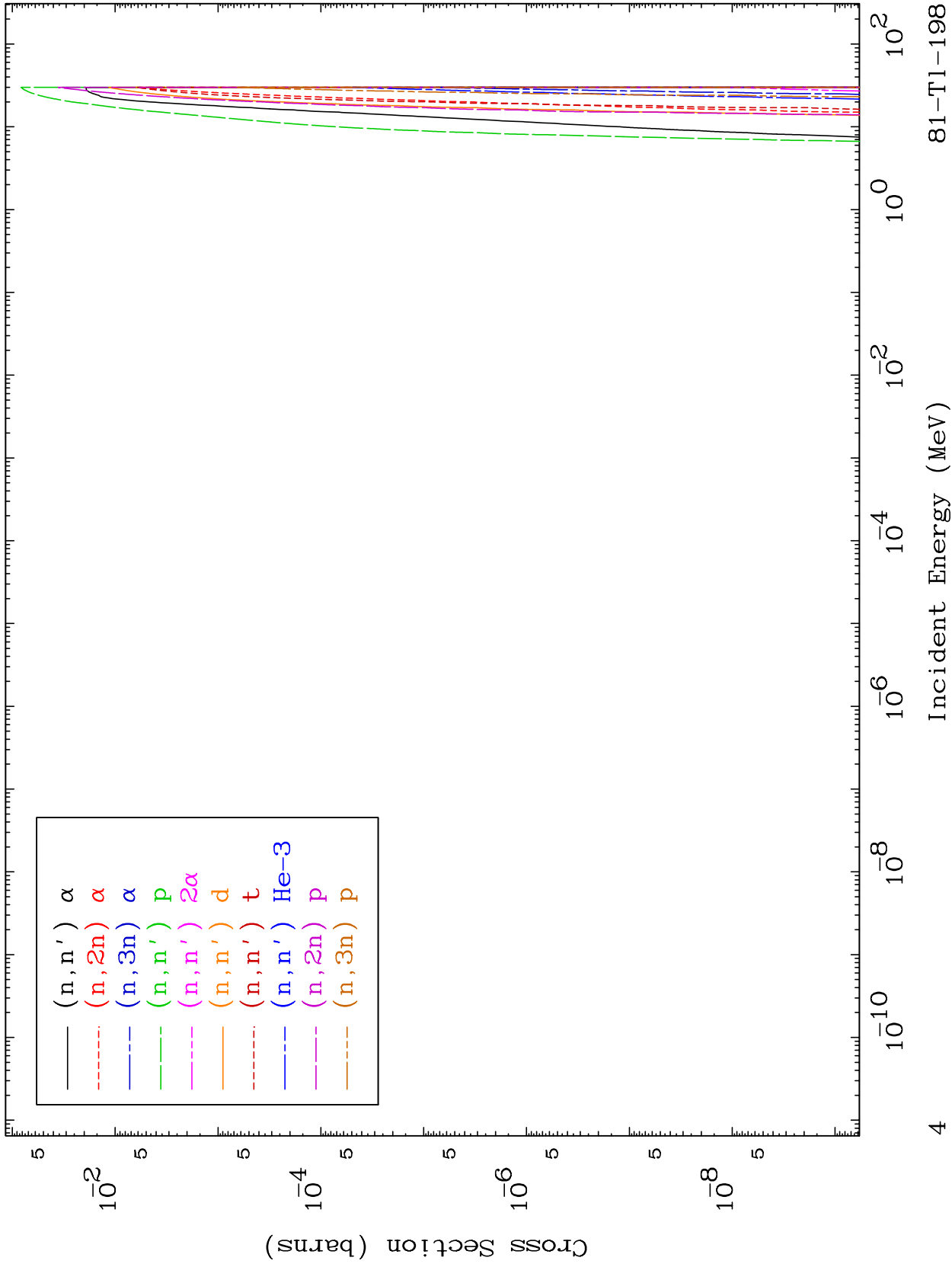




MAT 8111

Charged Particle
293 Kelvin Cross Sections

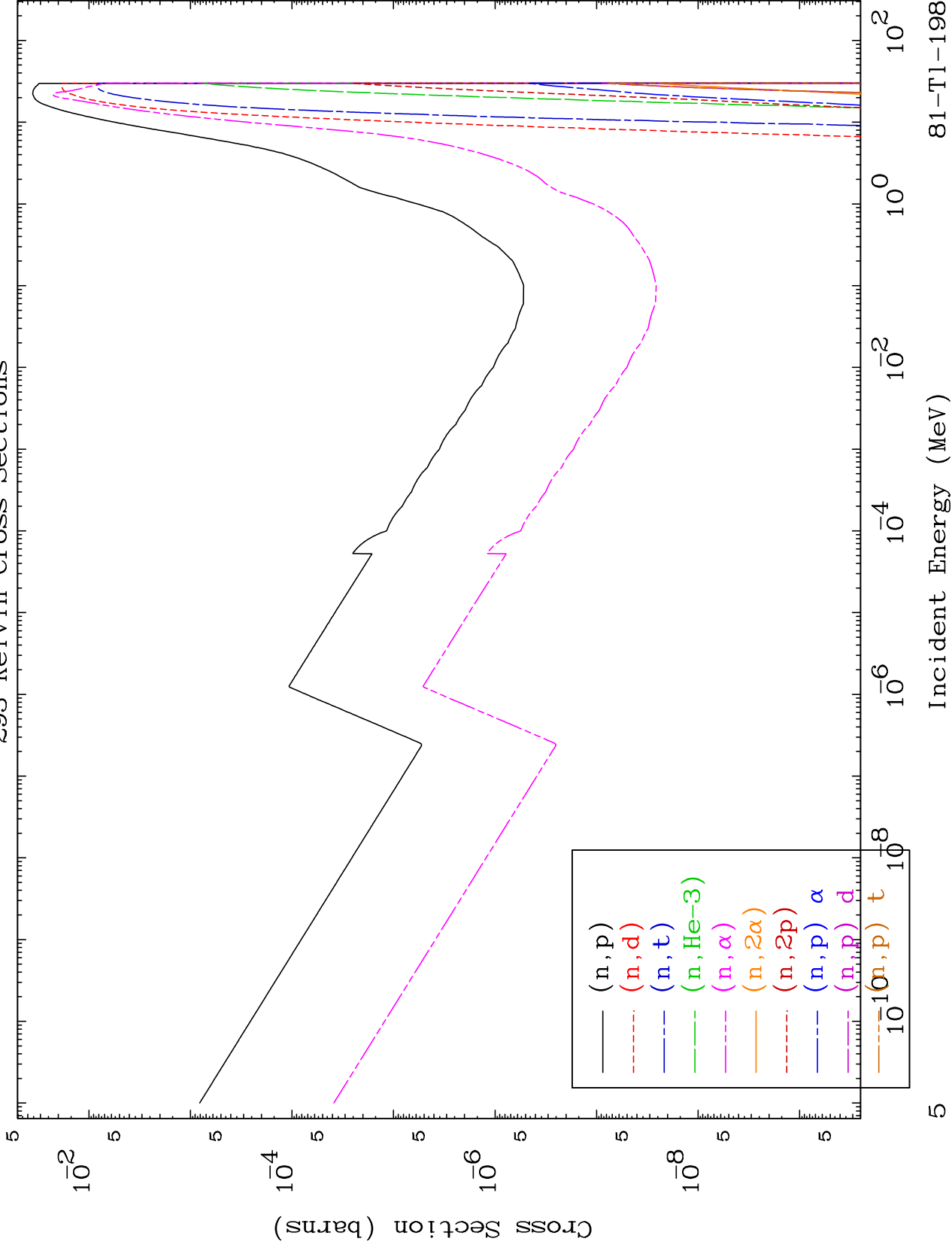
81-Tl-198



MAT 81111

Charged Particle
293 Kelvin Cross Sections

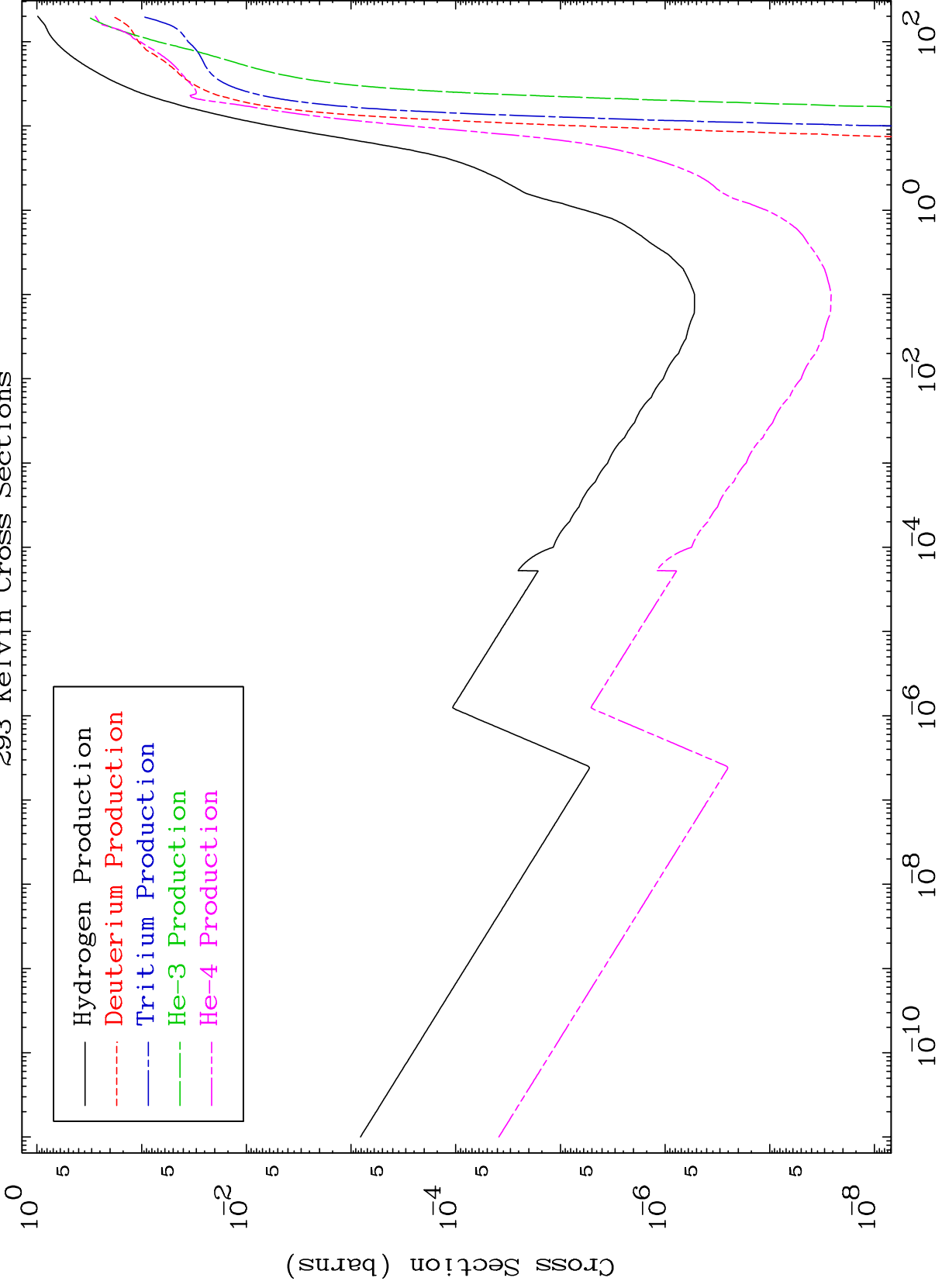
81-Tl-198



MAT 81111

Particle Production
293 Kelvin Cross Sections

81-Tl-198



6

Incident Energy (MeV)

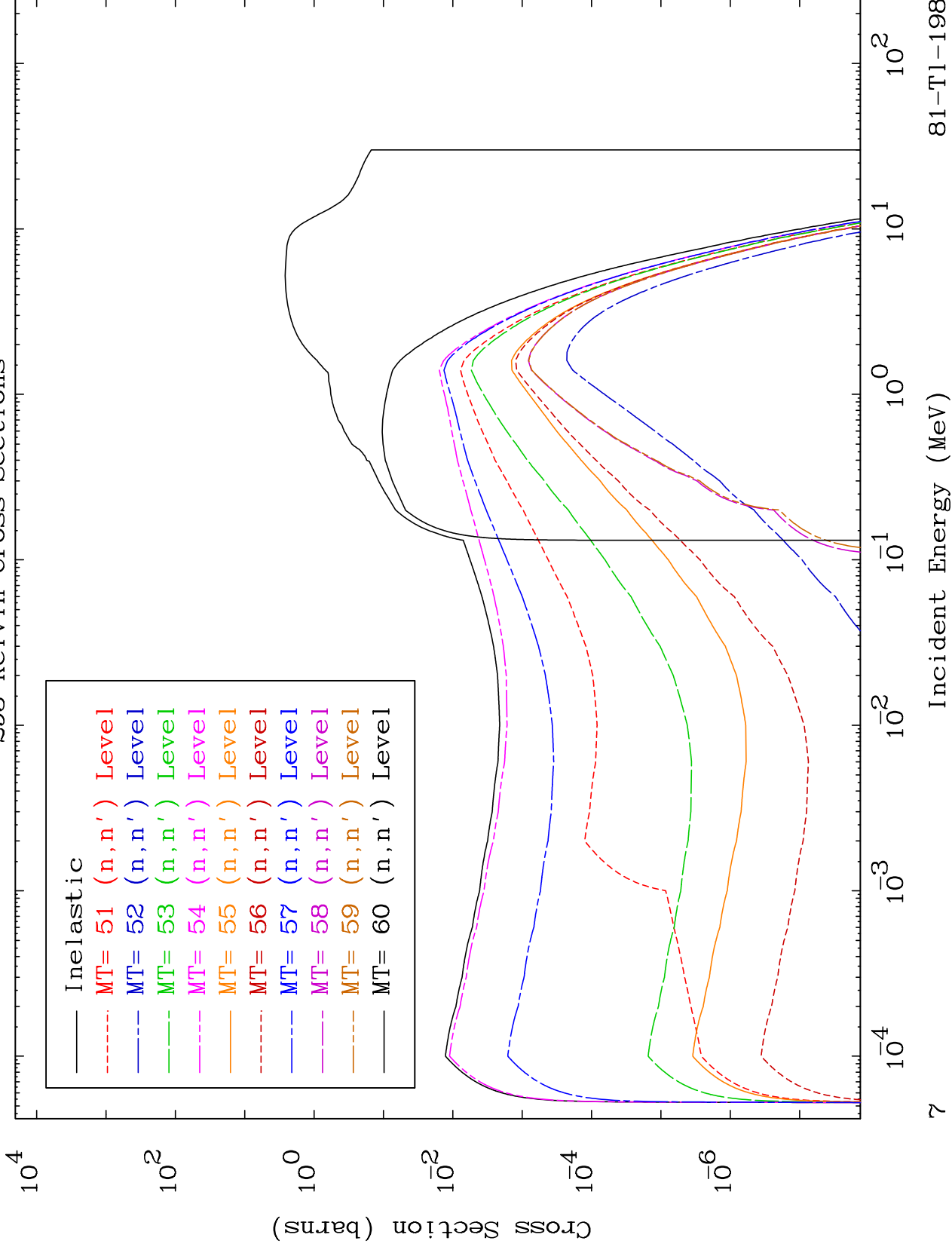
81-Tl-198

MAT 8111

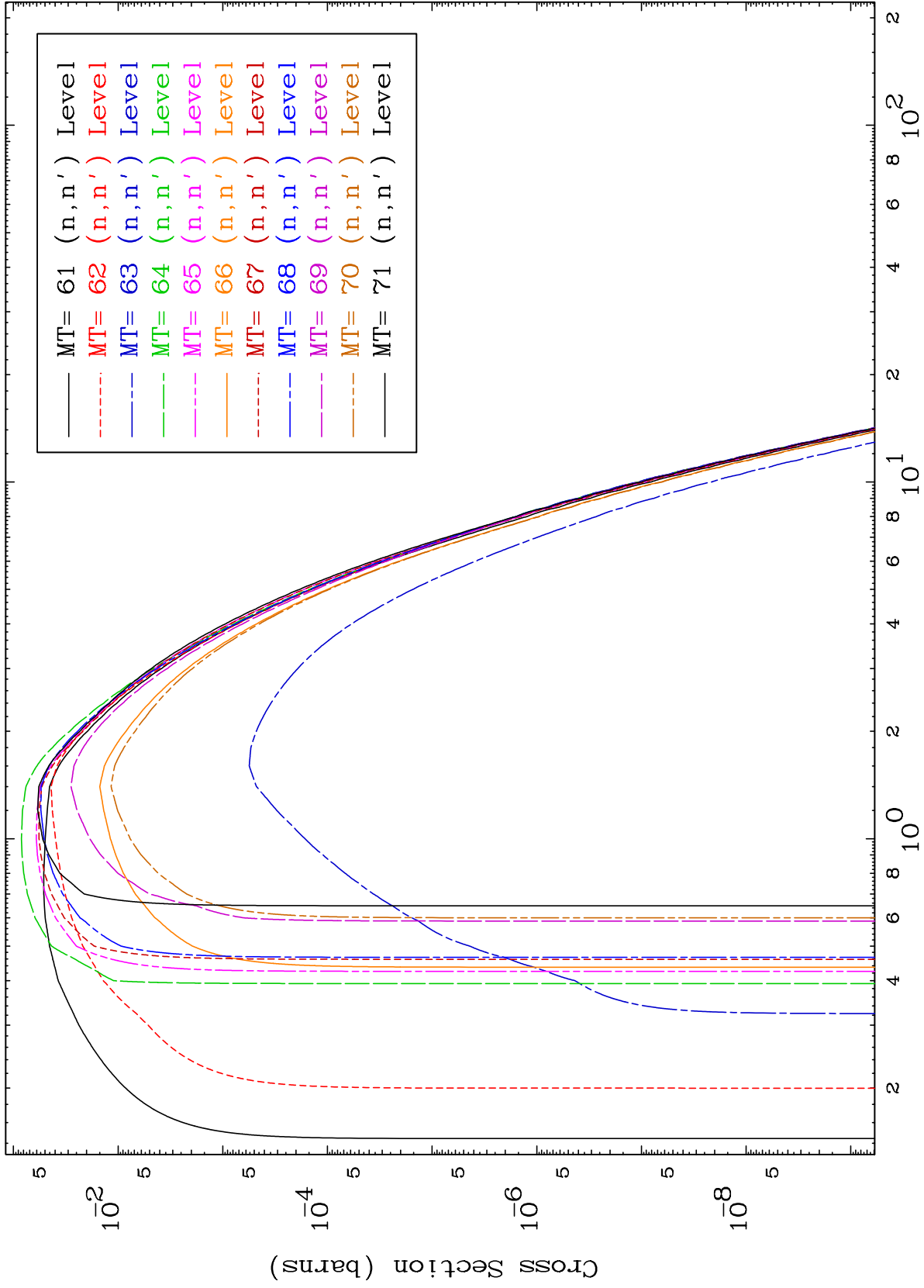
(n,n') Level

81-T1-198

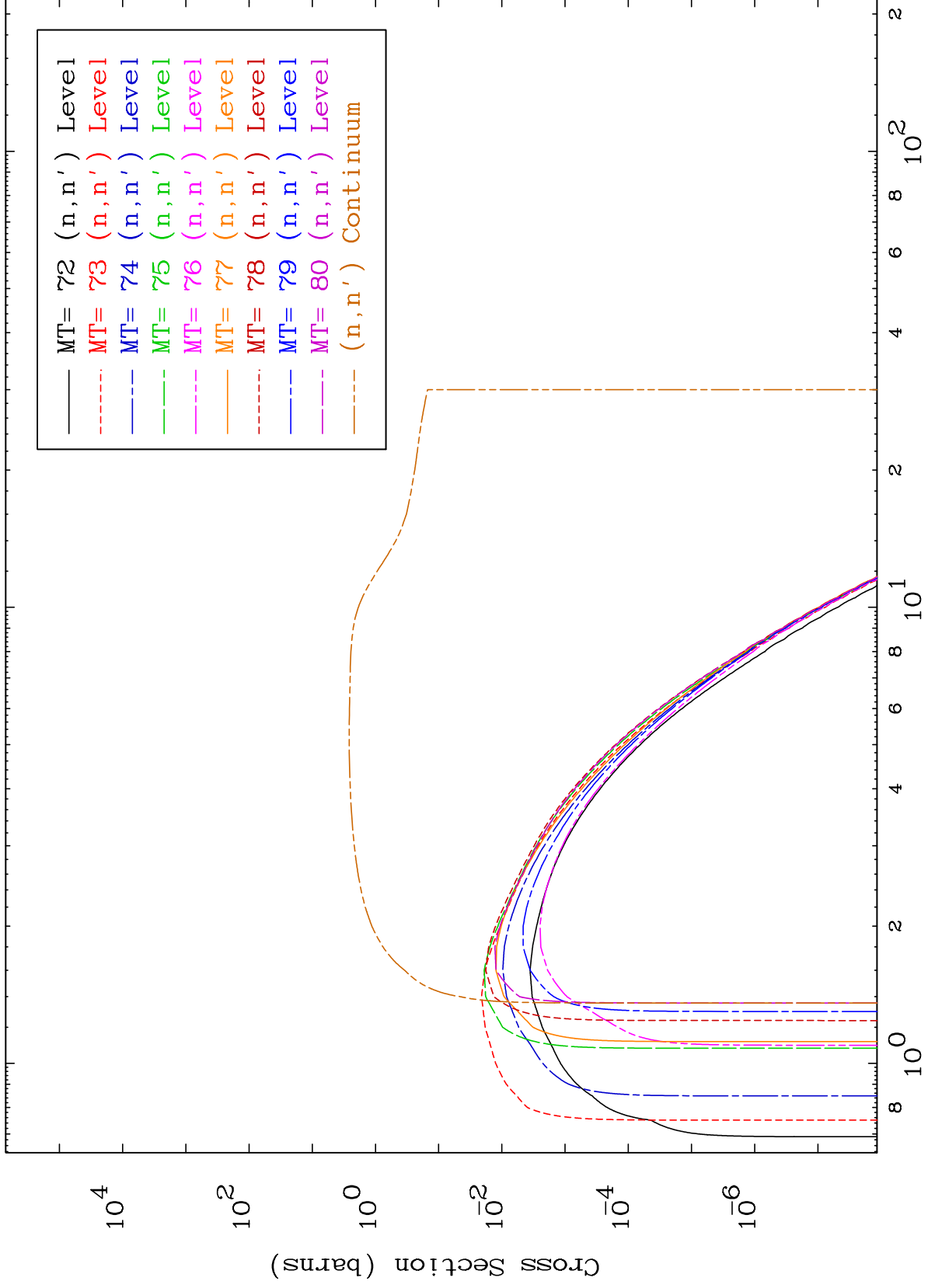
293 Kelvin Cross Sections



293 Kelvin Cross Sections



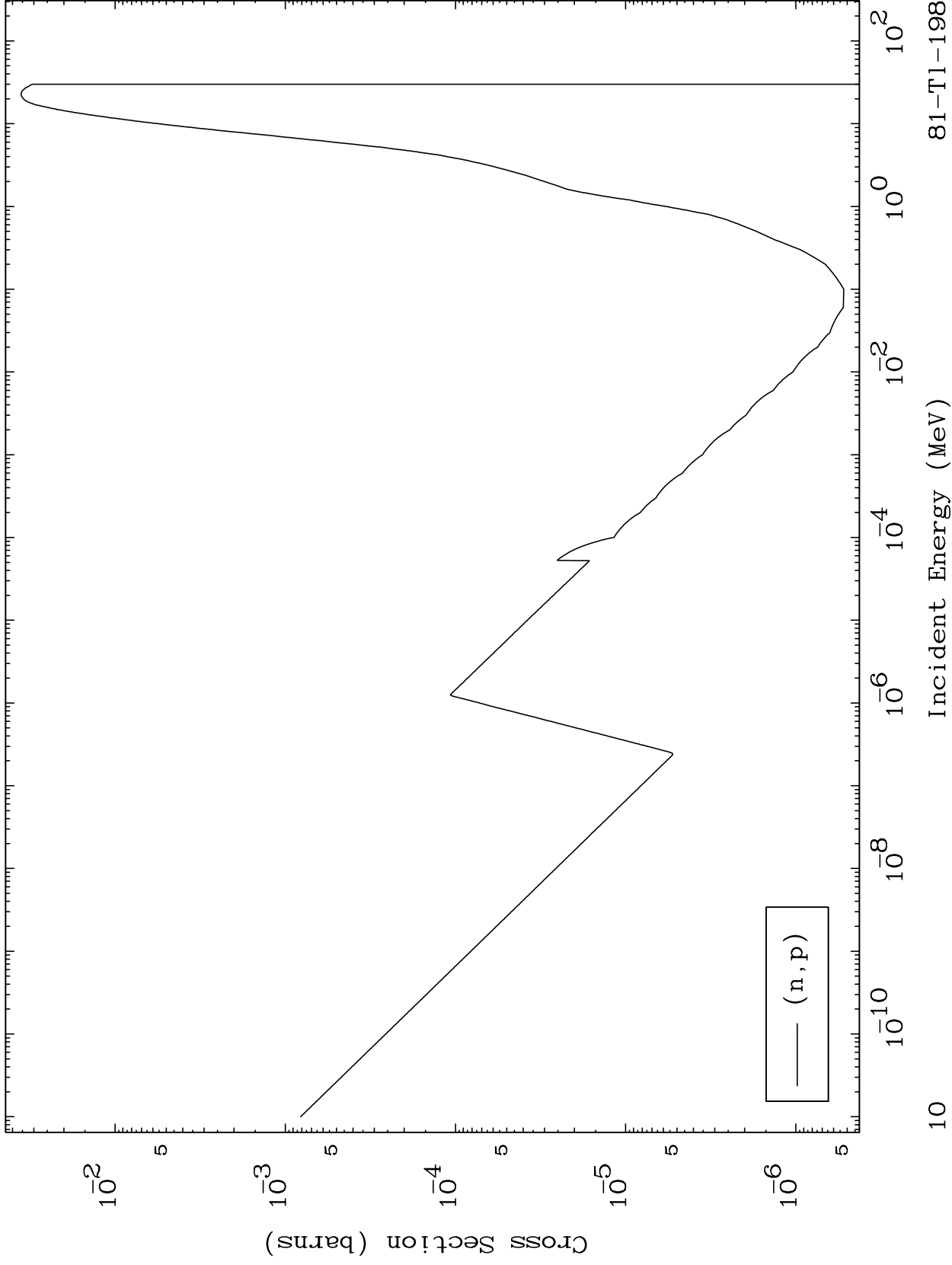
293 Kelvin Cross Sections



MAT 81111

(n,p) Levels
293 Kelvin Cross Sections

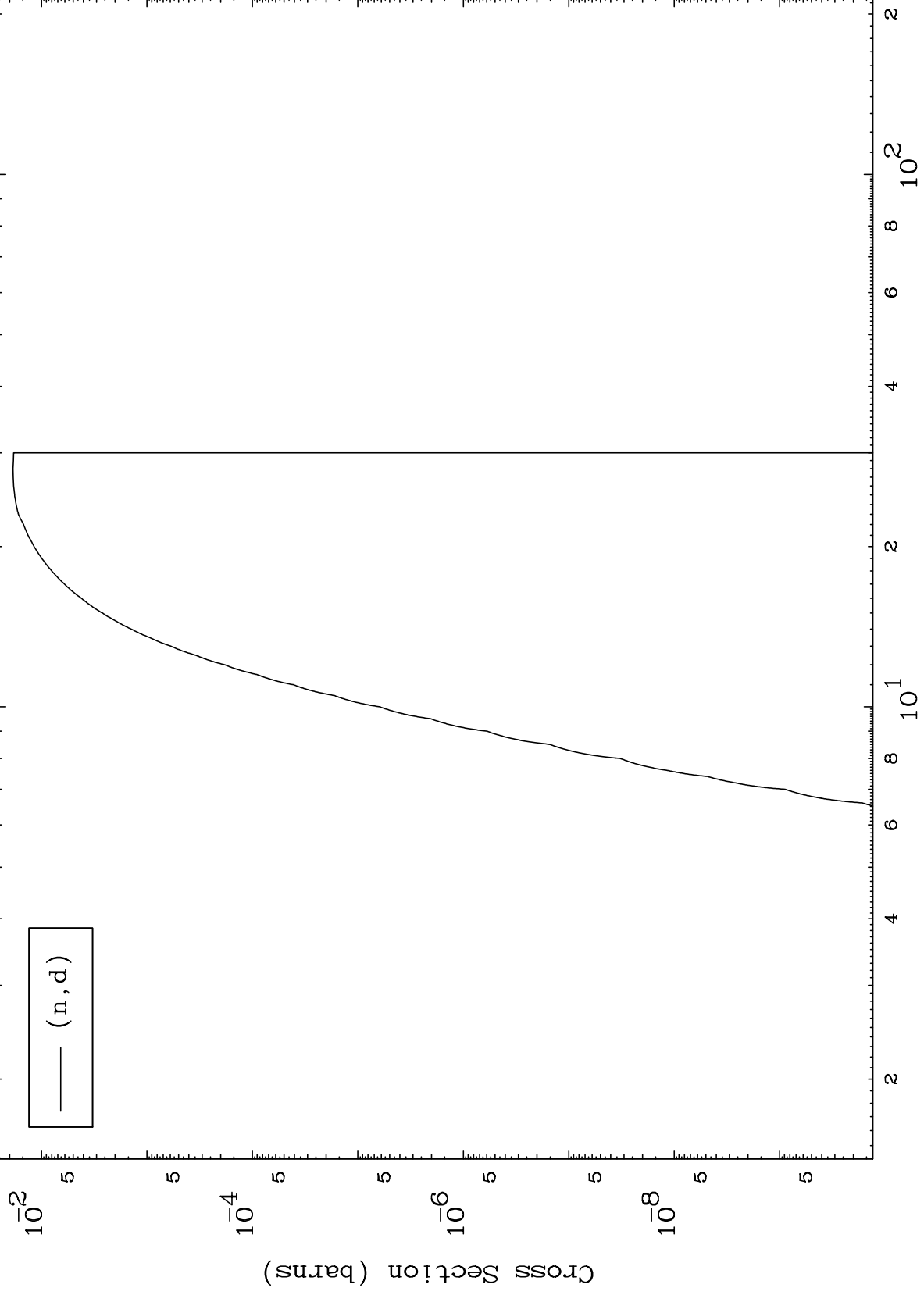
81-Tl-198



MAT 81111

(n,d) Levels
293 Kelvin Cross Sections

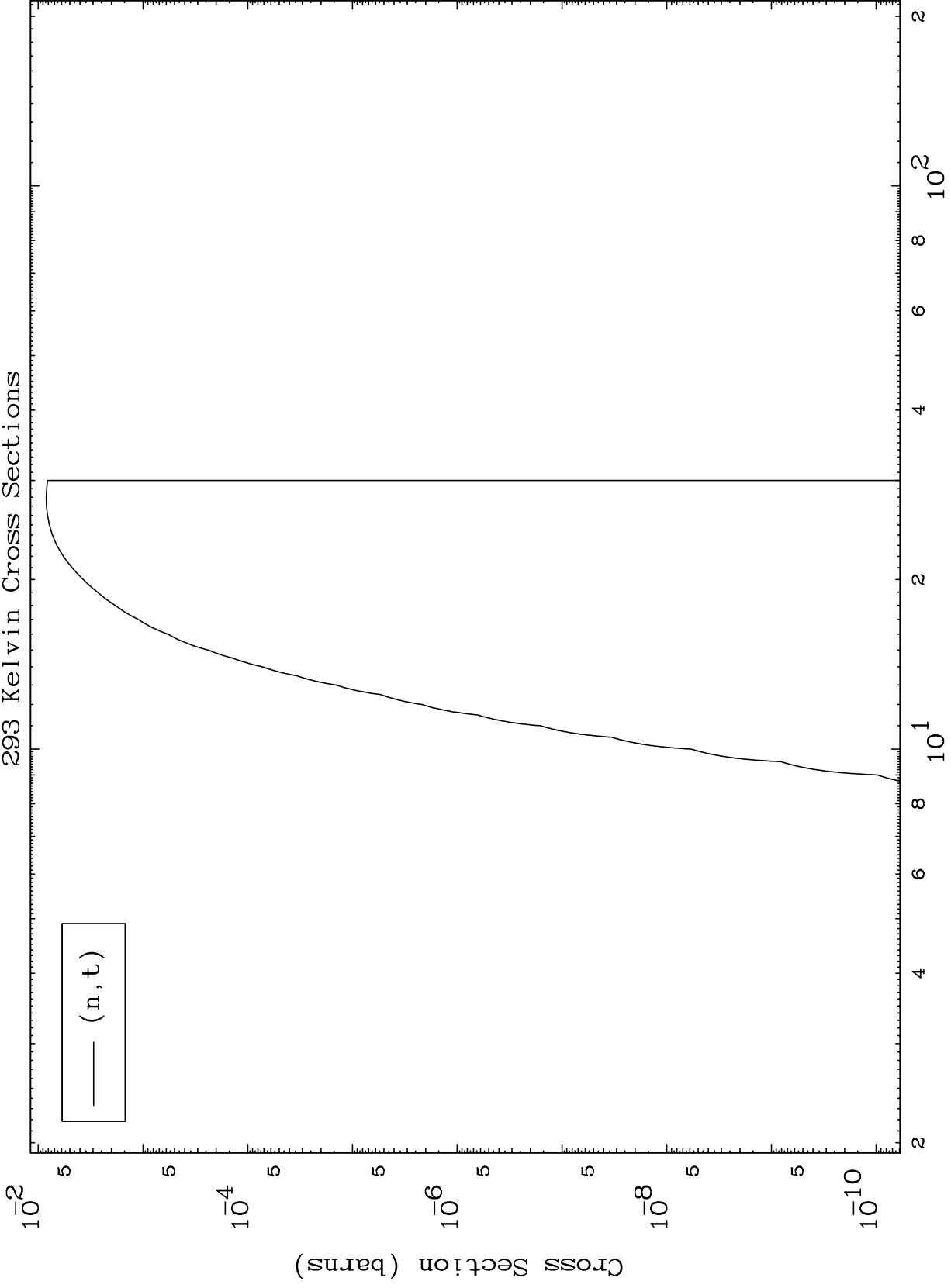
81-Tl-198



MAT 81111

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-198



12

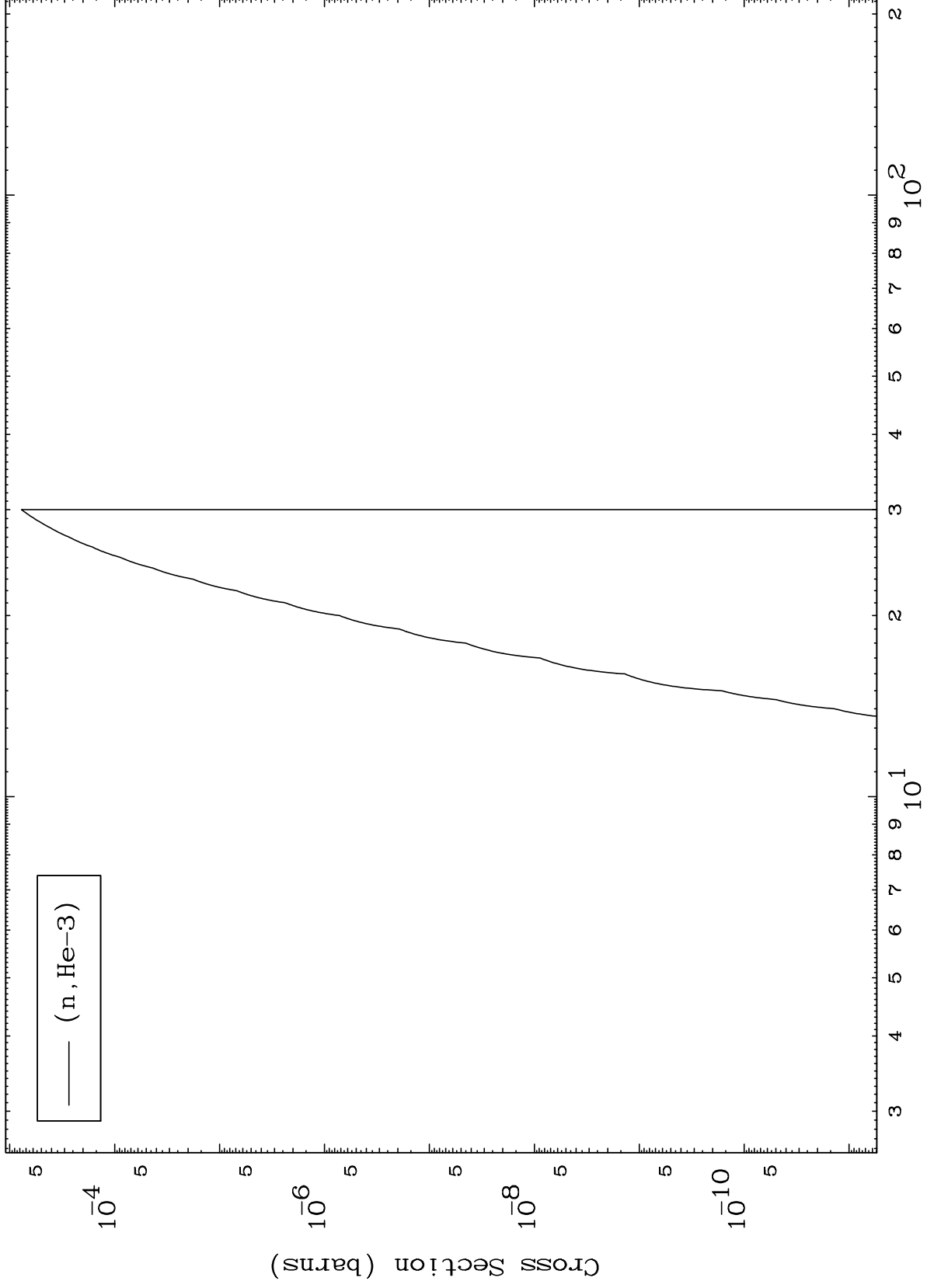
Incident Energy (MeV)

81-Tl-198

MAT 81111

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-198



13

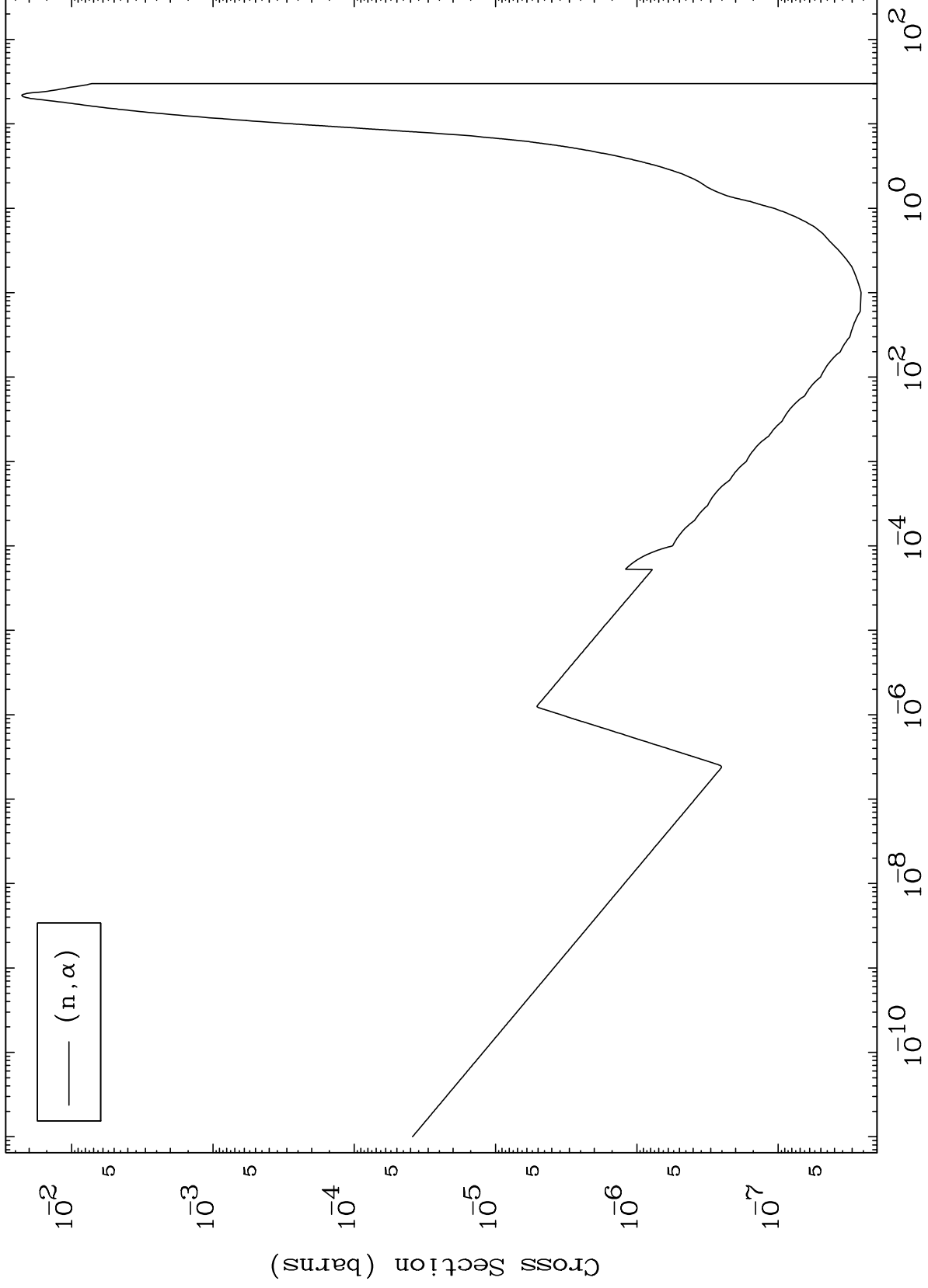
Incident Energy (MeV)

81-T1-198

MAT 81111

(n, α) Levels
293 Kelvin Cross Sections

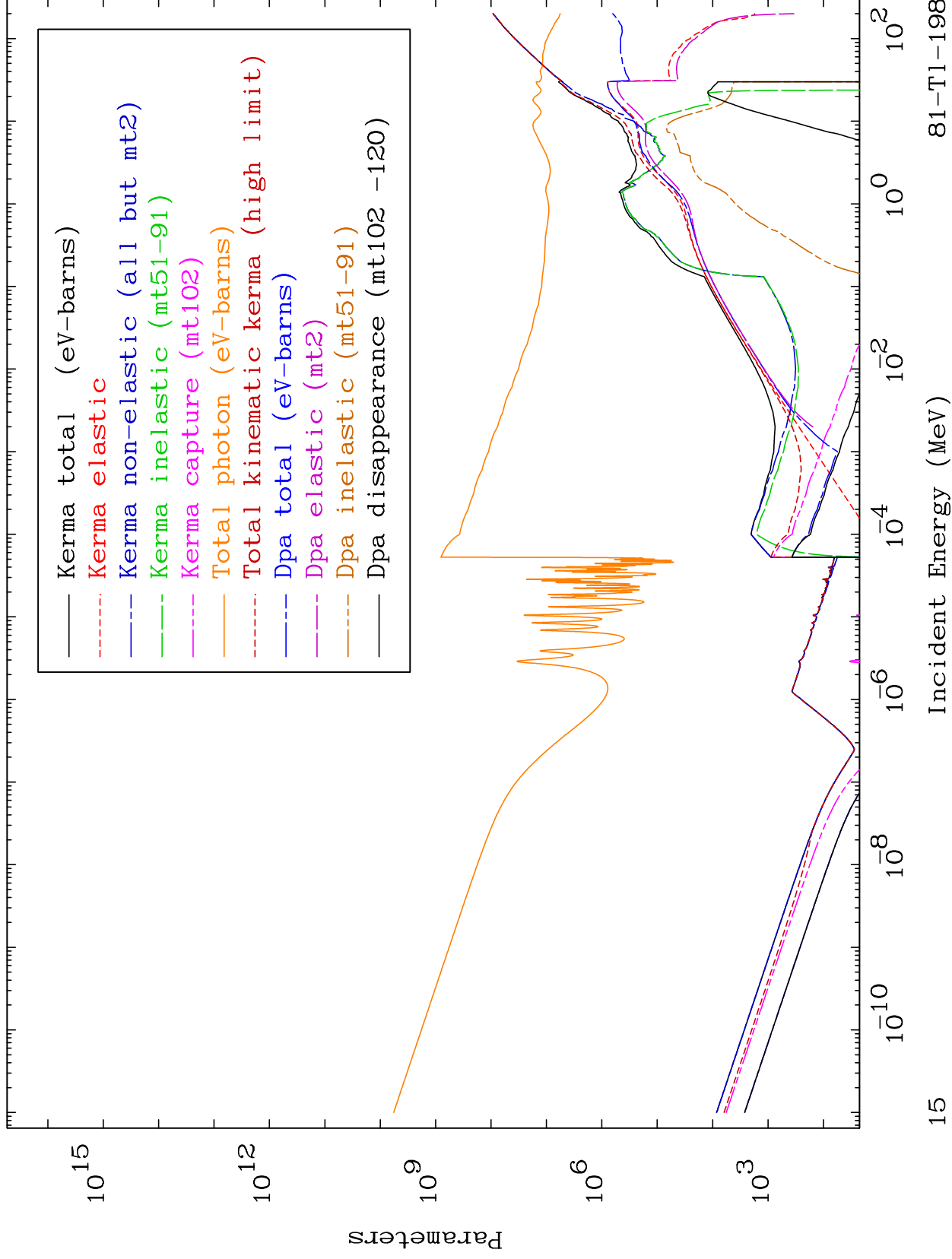
81-Tl-198

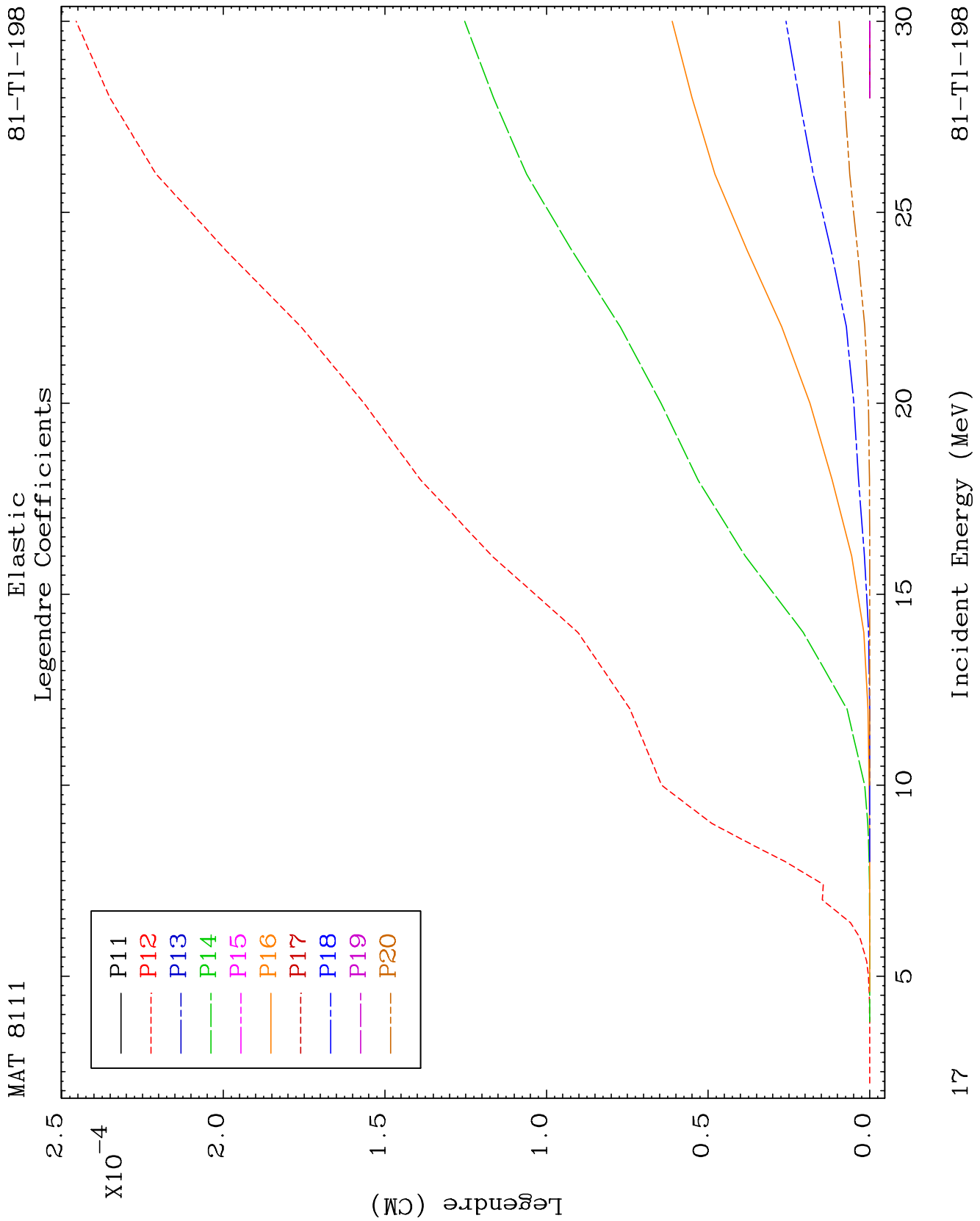


14

Incident Energy (MeV)

81-Tl-198





MAT 8111

Elastic Legendre Coefficients

81-T1-198

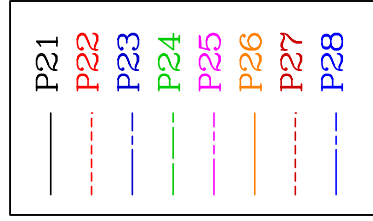
17

81-T1-198

MAT 8111

Elastic
Legendre Coefficients

81-T1-198



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

25

30

18

Incident Energy (MeV)

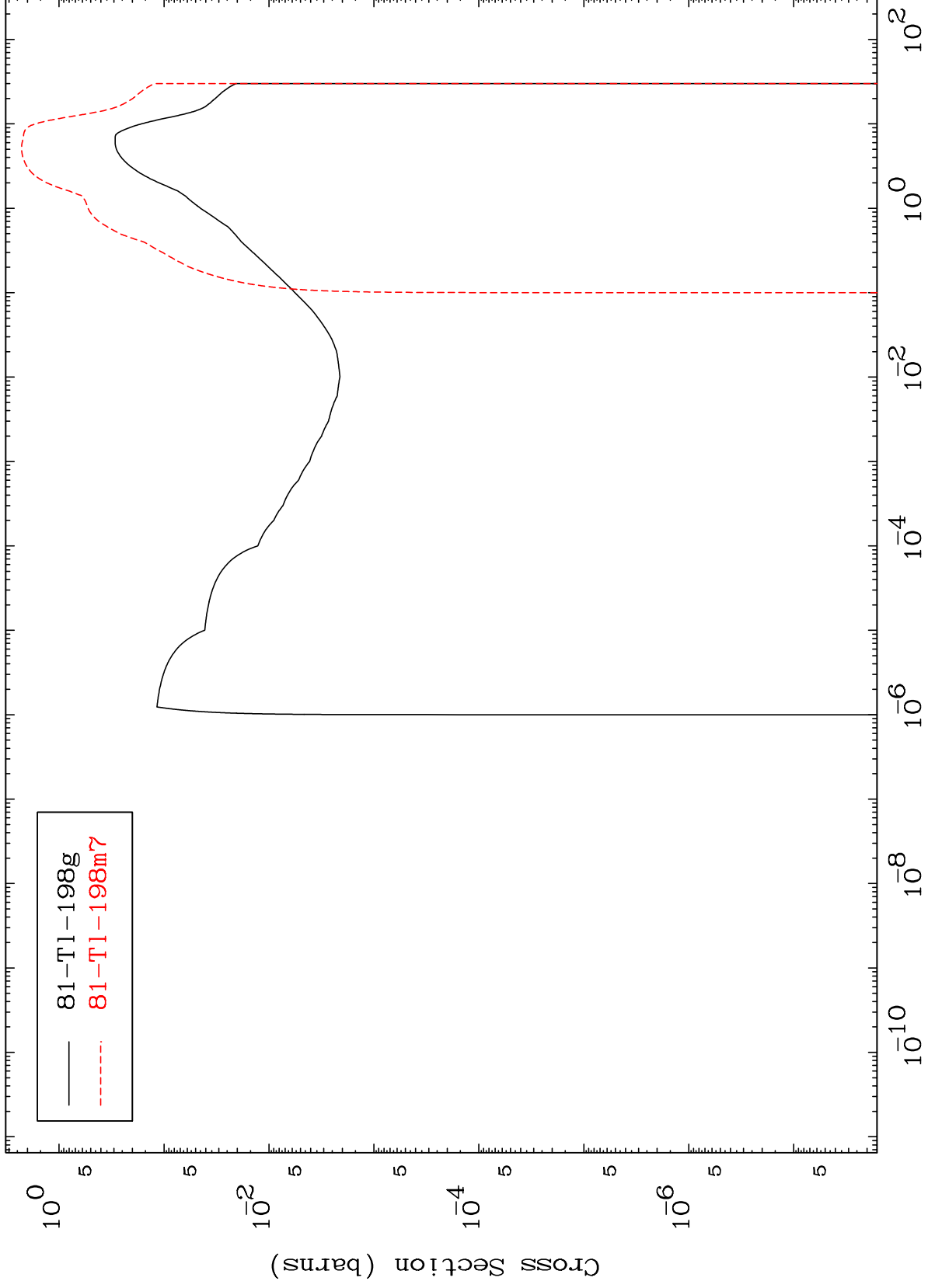
81-T1-198



MAT 81111

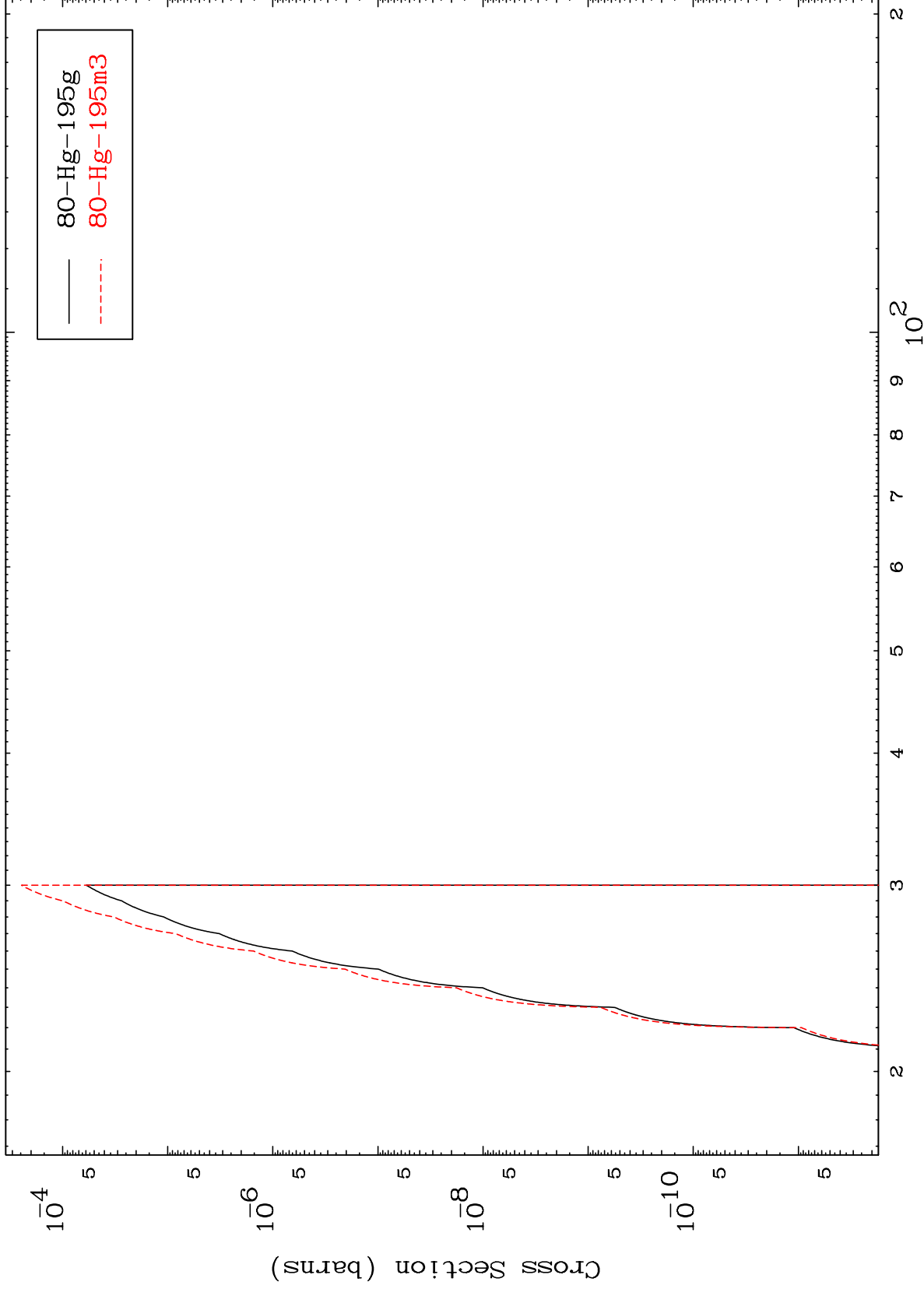
Inelastic
Radionuclide Production Cross Section

81-Tl-198



81-Tl-198g
81-Tl-198m7

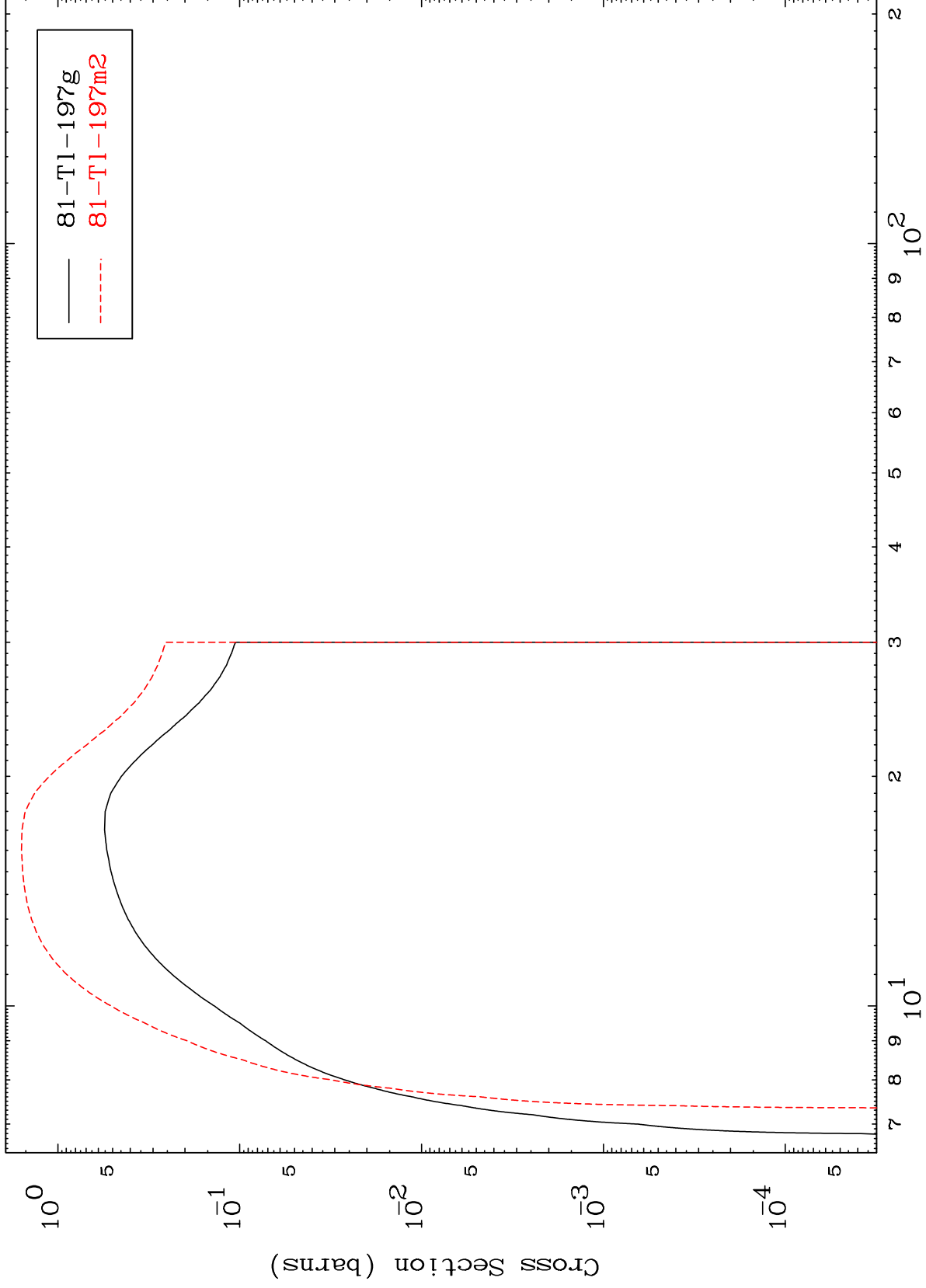
Radionuclide Production Cross Section



MAT 81111

81-Tl-198

(n,2n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

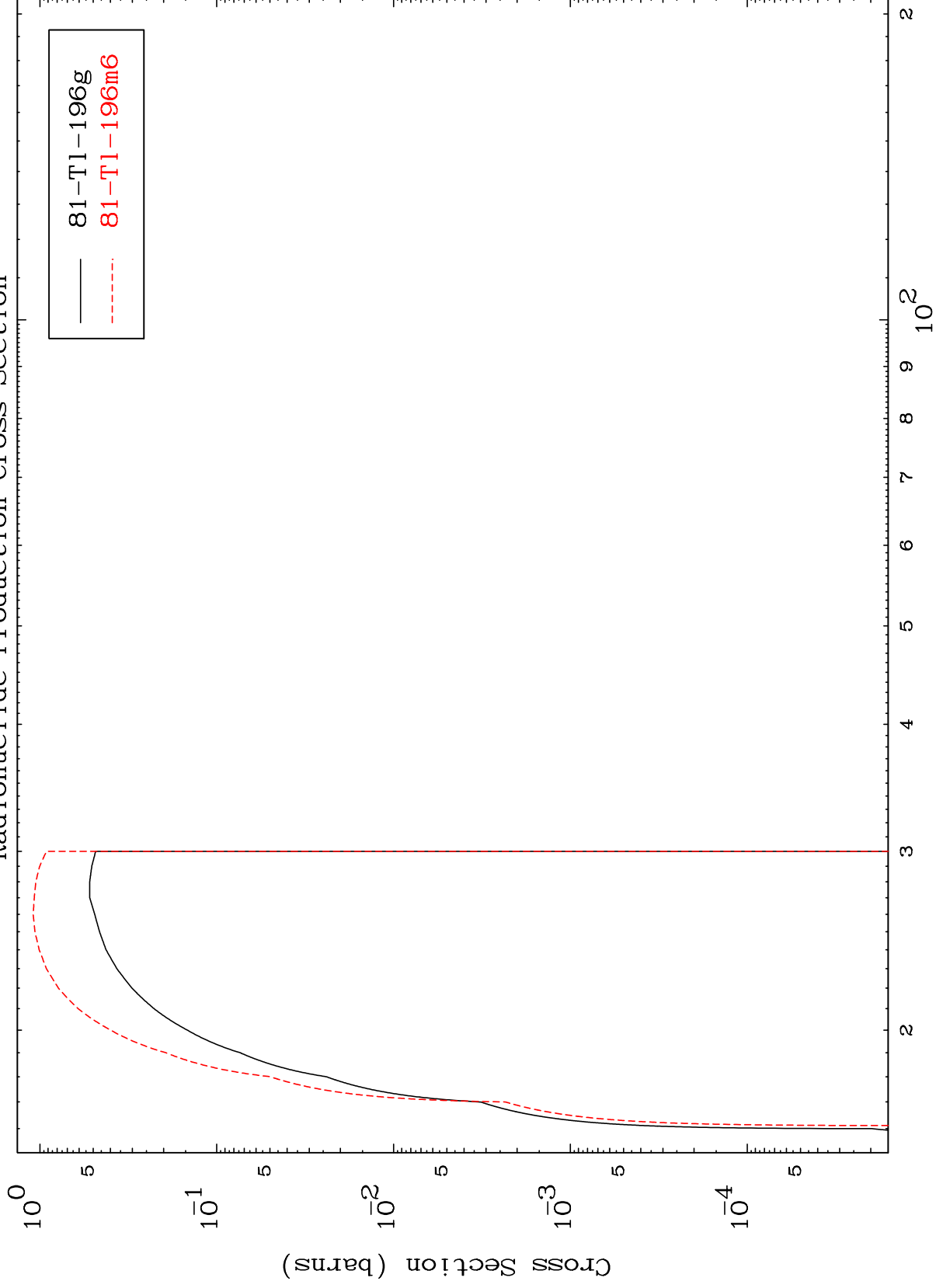
81-Tl-198

MAT 81111

(n,3n)

81-Tl-198

Radionuclide Production Cross Section



22

Incident Energy (MeV)

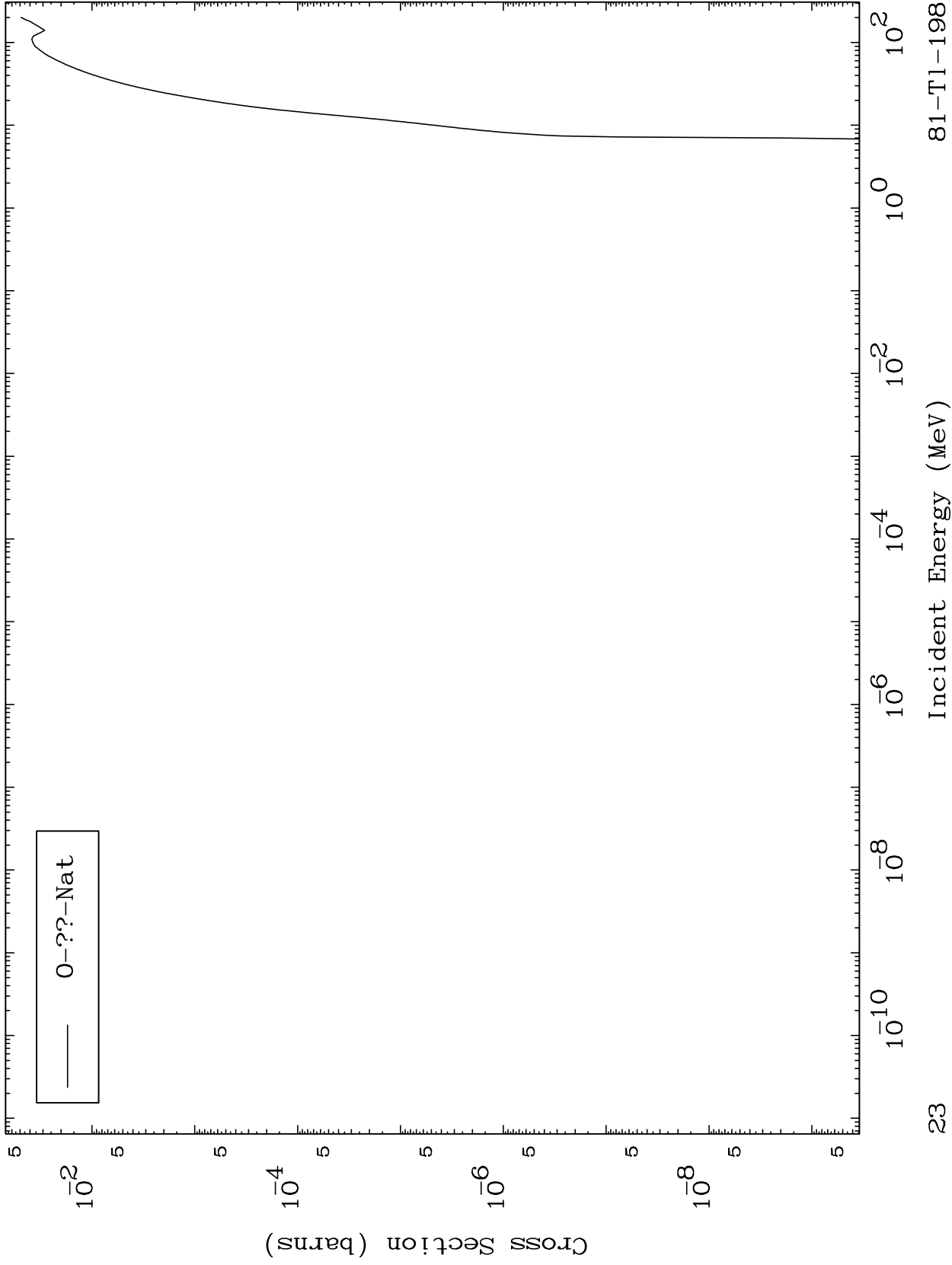
81-Tl-198

MAT 81111

Fission

81-Tl-198

Radionuclide Production Cross Section

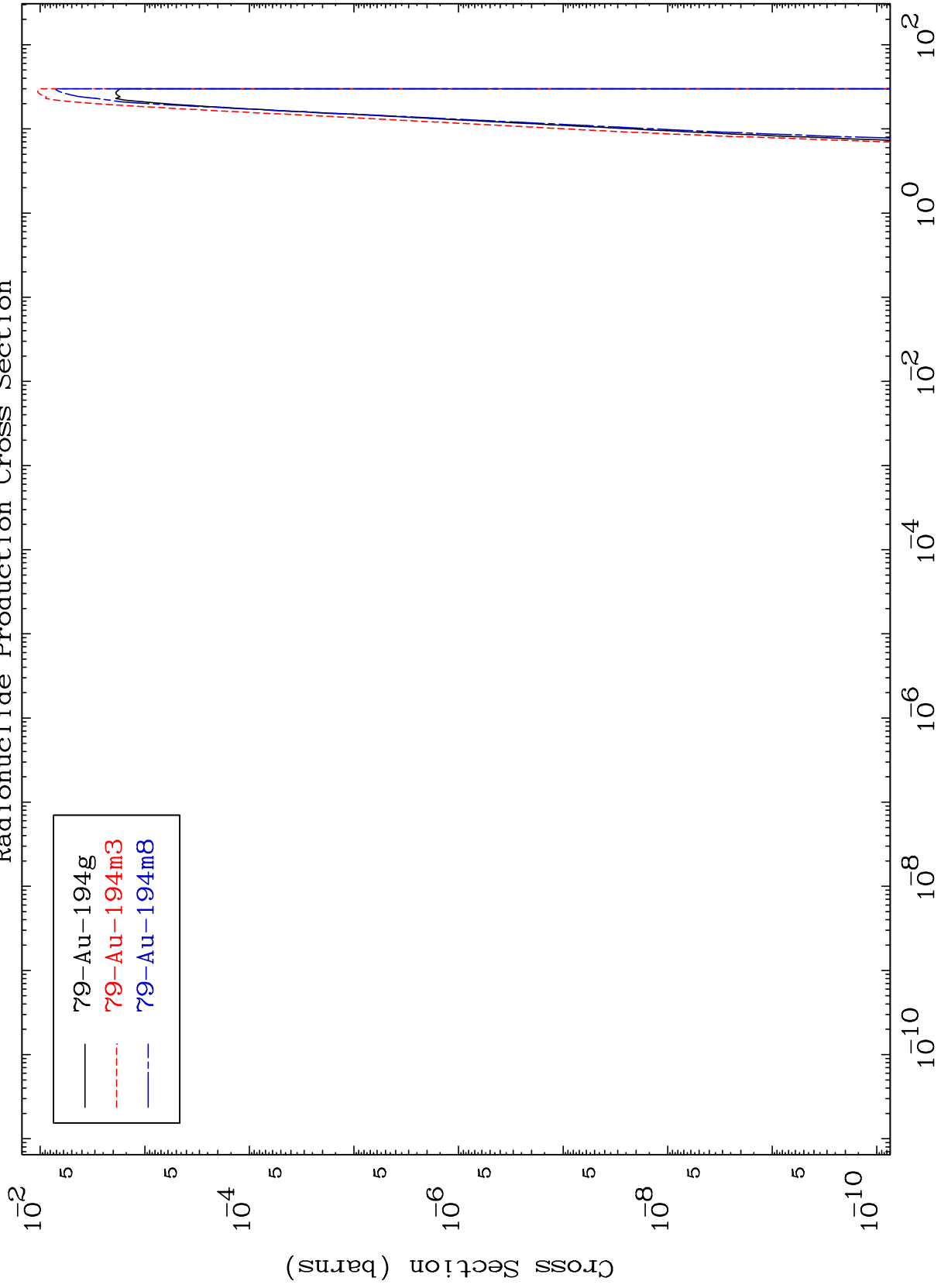


MAT 81111

$(n, n') \alpha$

81-Tl-198

Radionuclide Production Cross Section



24

Incident Energy (MeV)

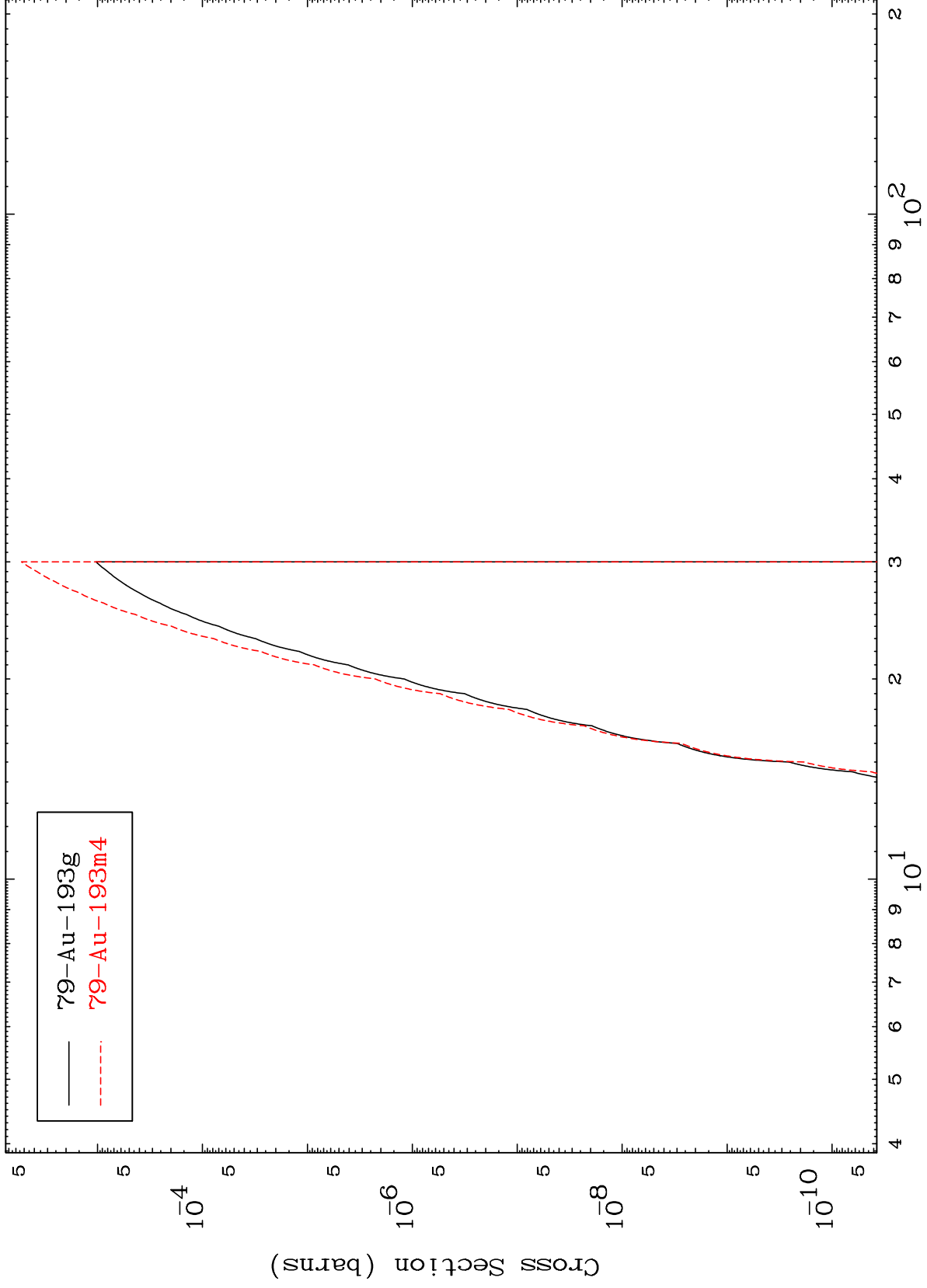
81-Tl-198

MAT 8111

(n,2n) α

81-Tl-198

Radionuclide Production Cross Section

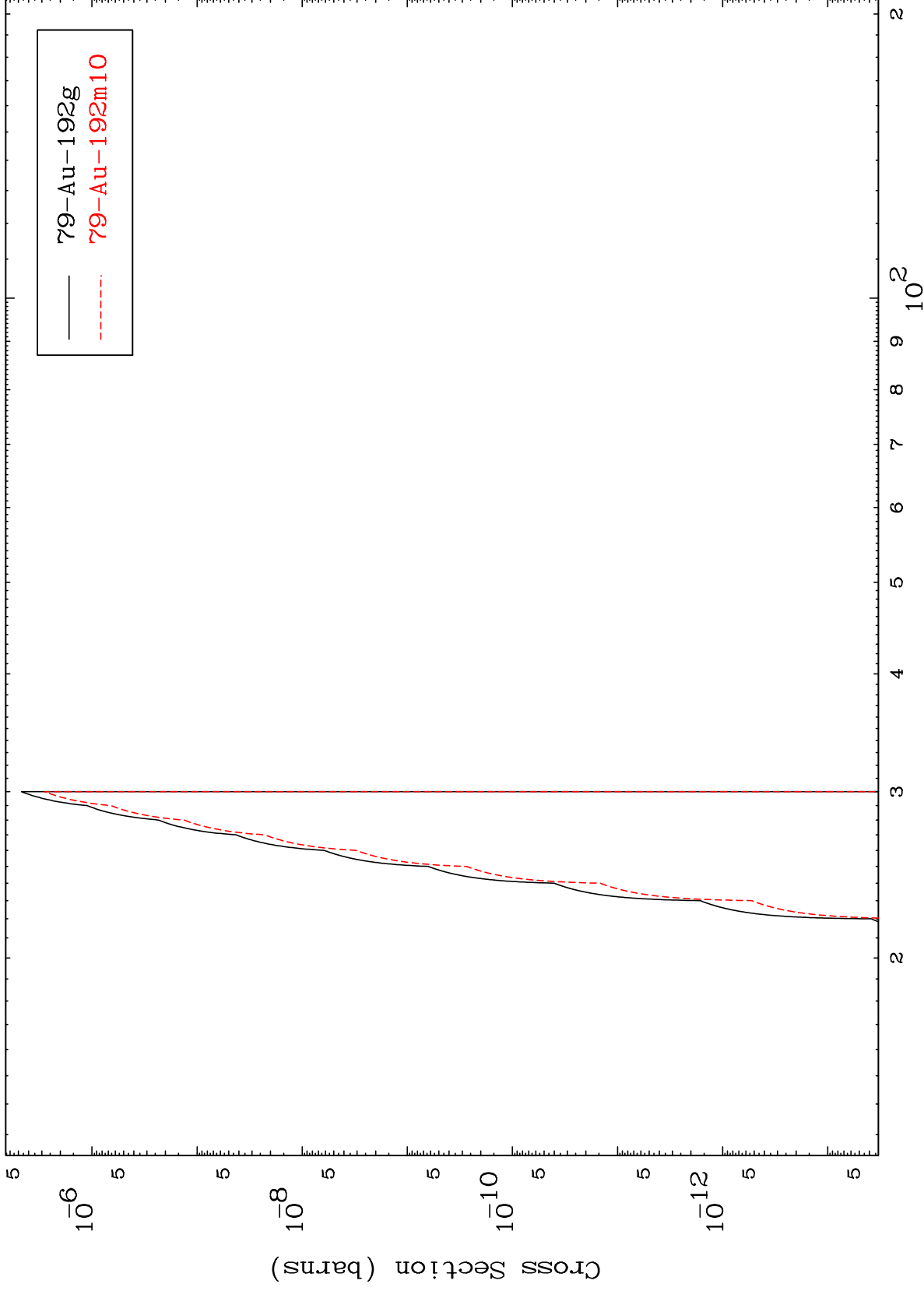


25

Incident Energy (MeV)

81-Tl-198

Radionuclide Production Cross Section

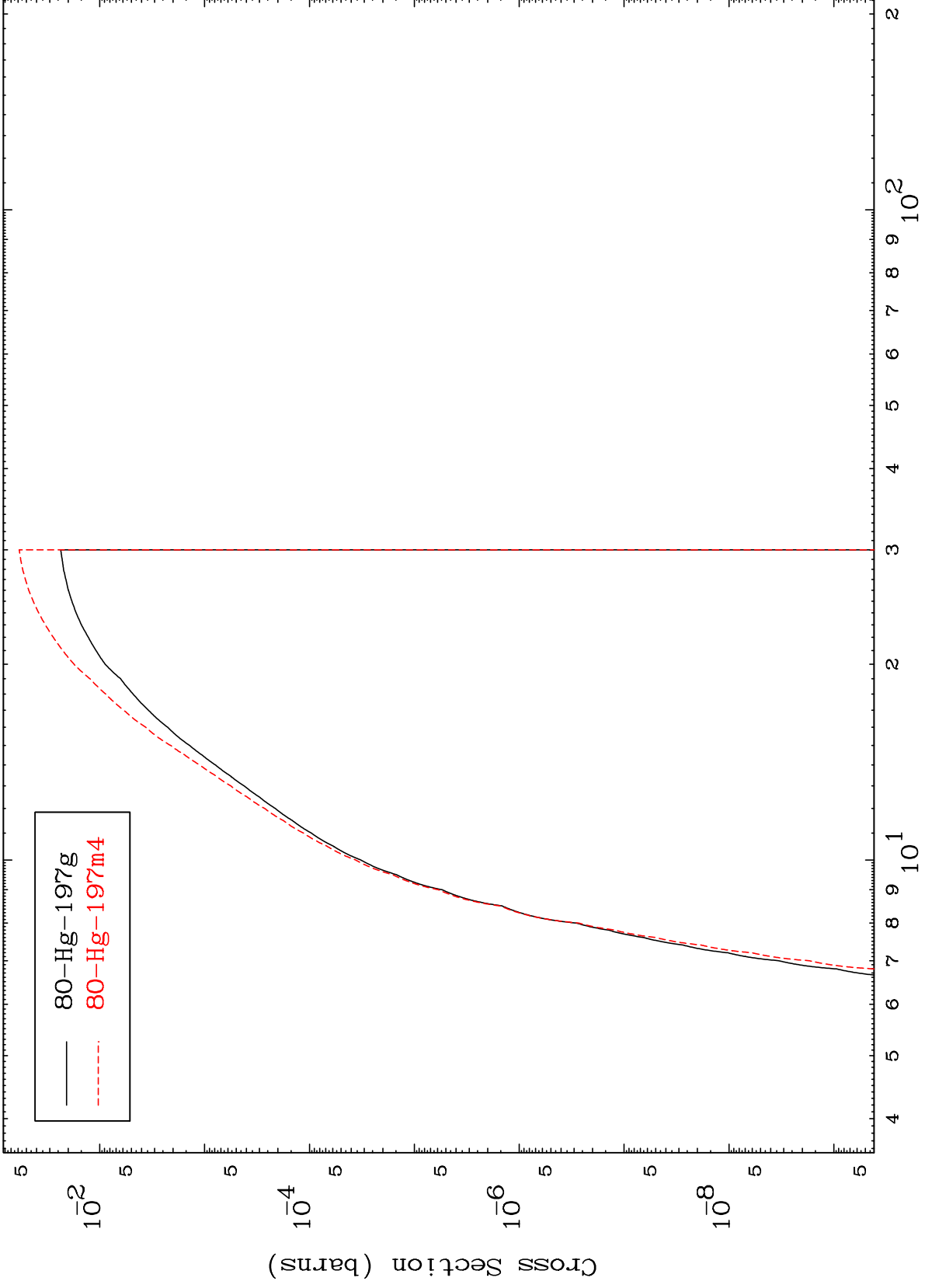


MAT 81111

(n,n') p

81-Tl-198

Radionuclide Production Cross Section



27

Incident Energy (MeV)

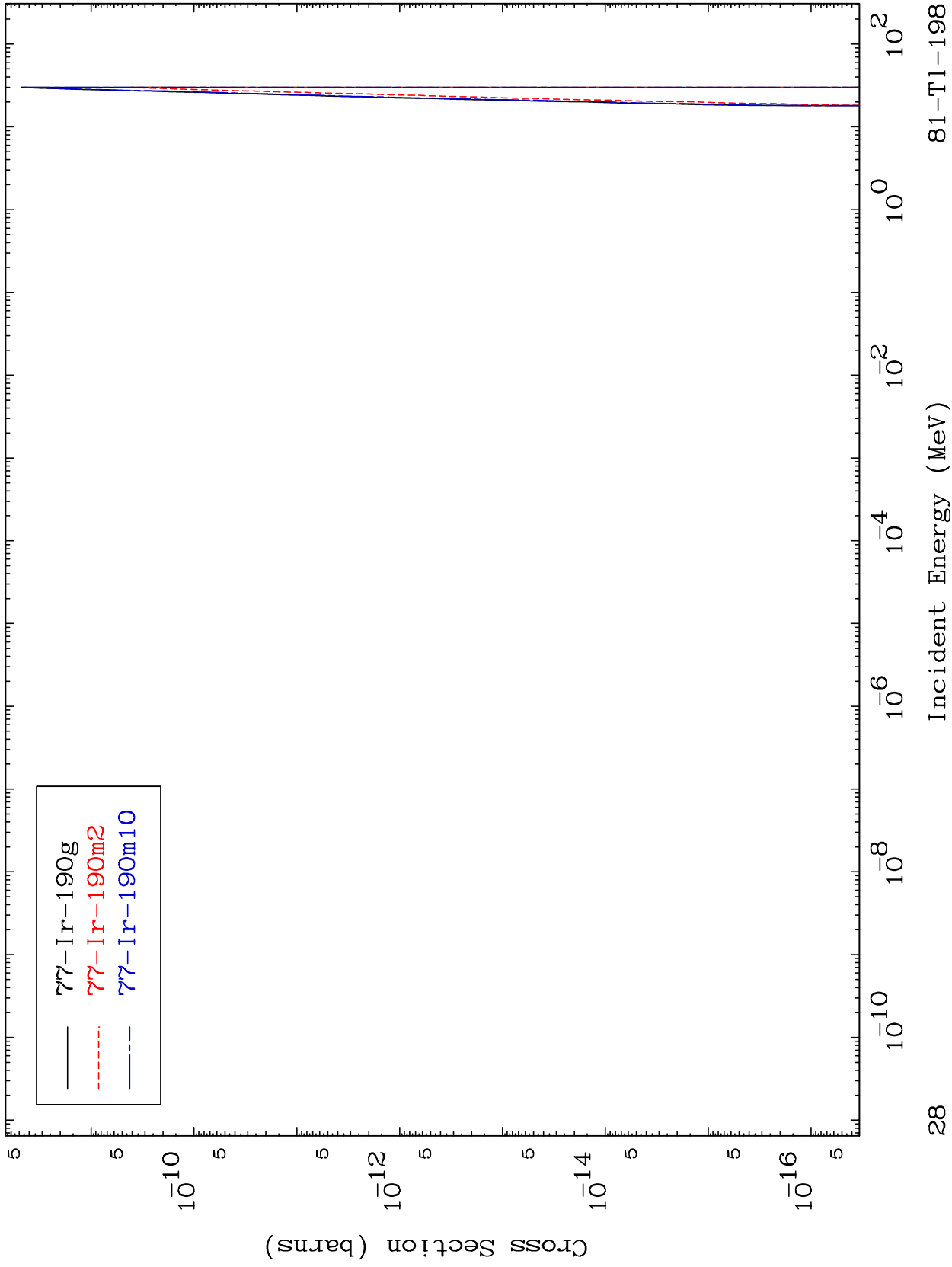
81-Tl-198

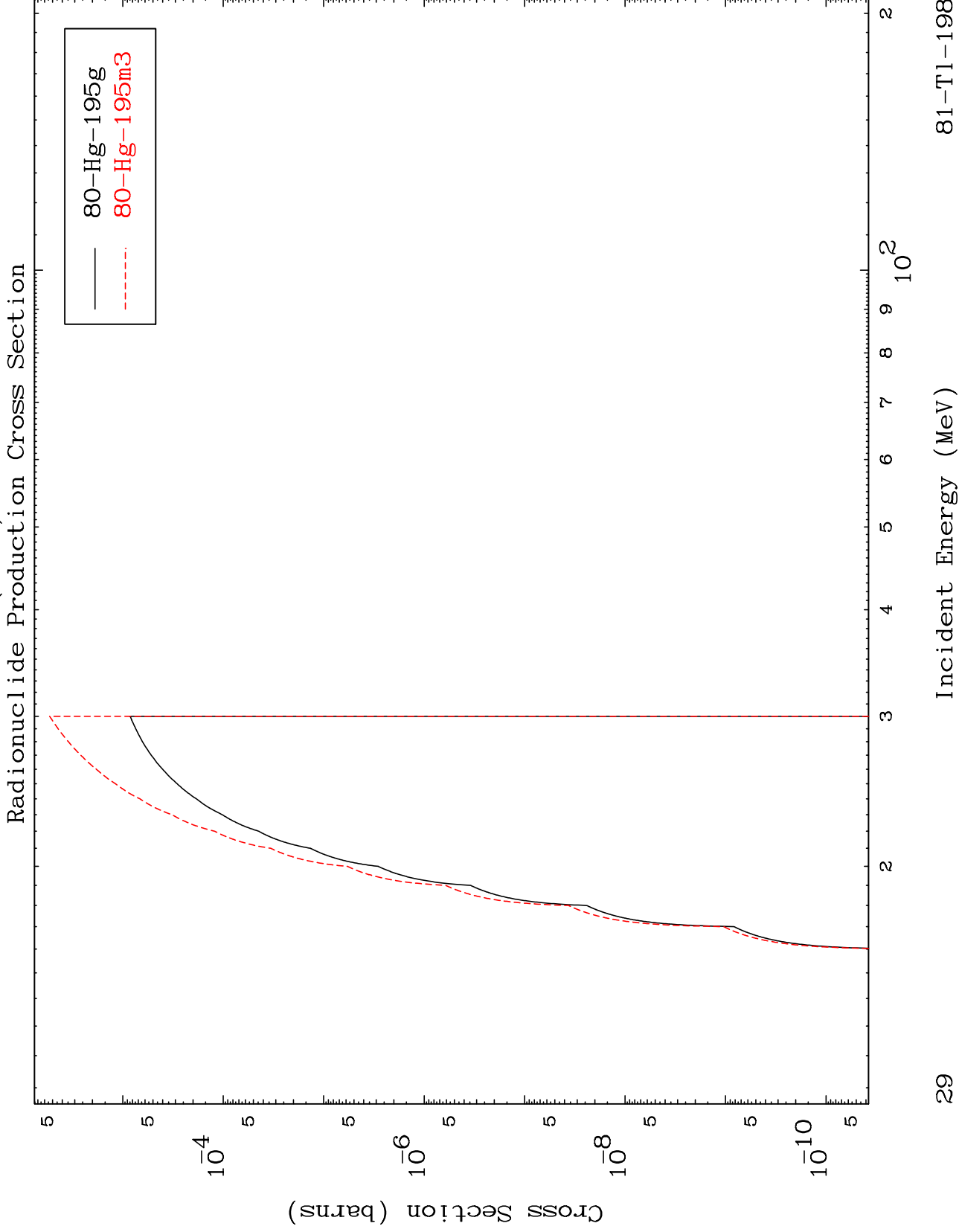
MAT 81111

(n,n') 2α

81-Tl-198

Radionuclide Production Cross Section



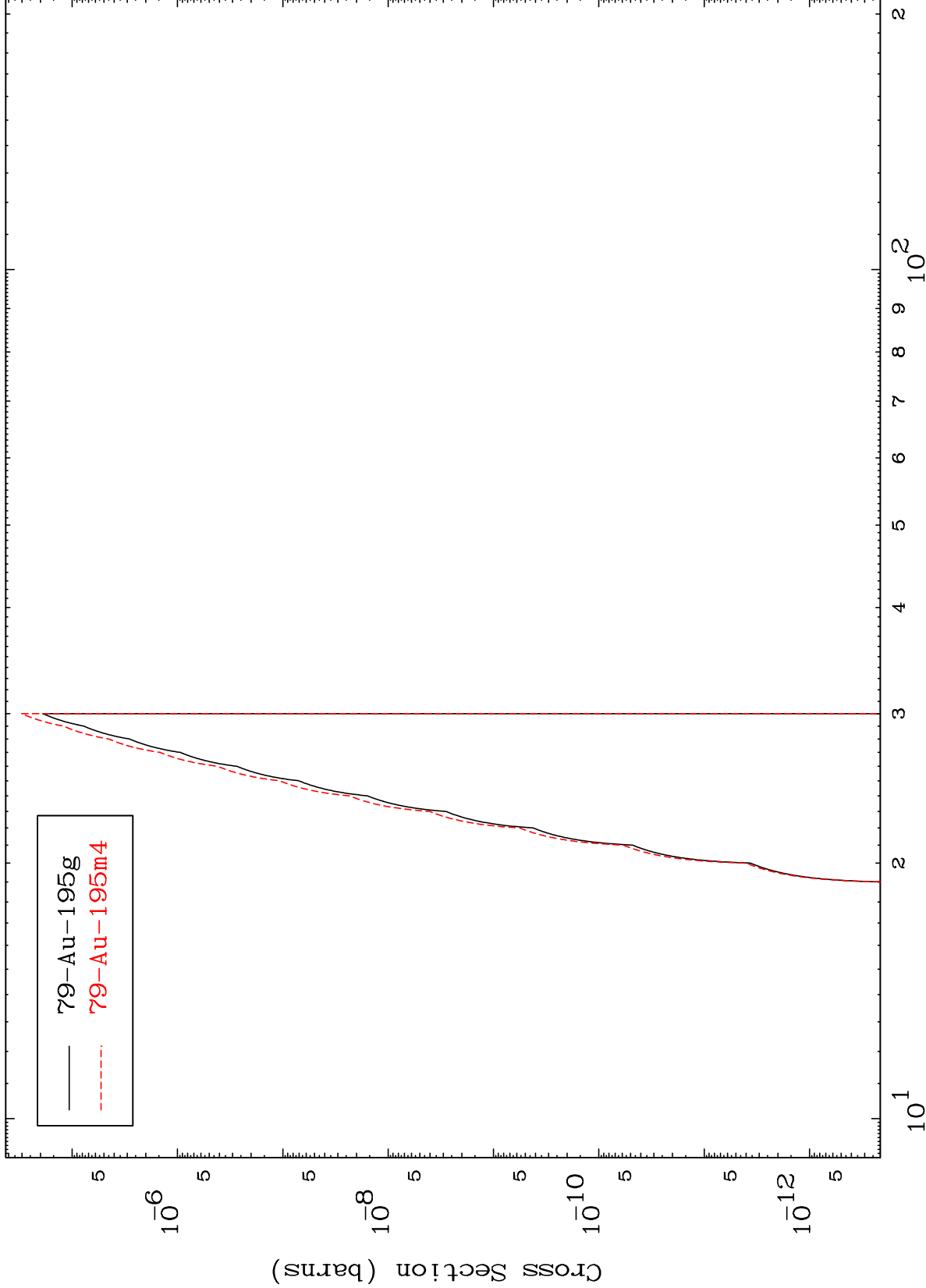


MAT 8111

(n,n') He-3

81-T1-198

Radionuclide Production Cross Section

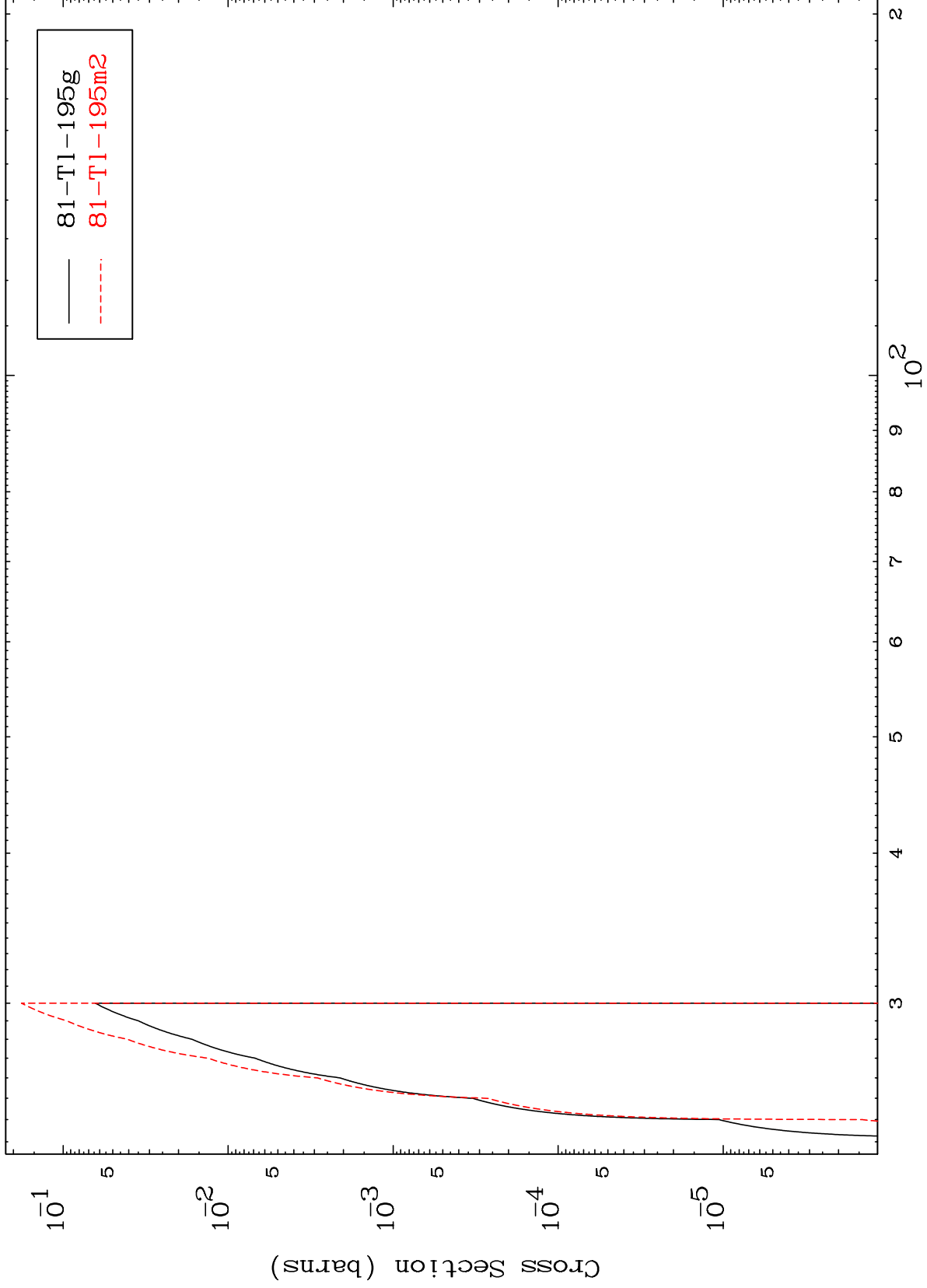


30

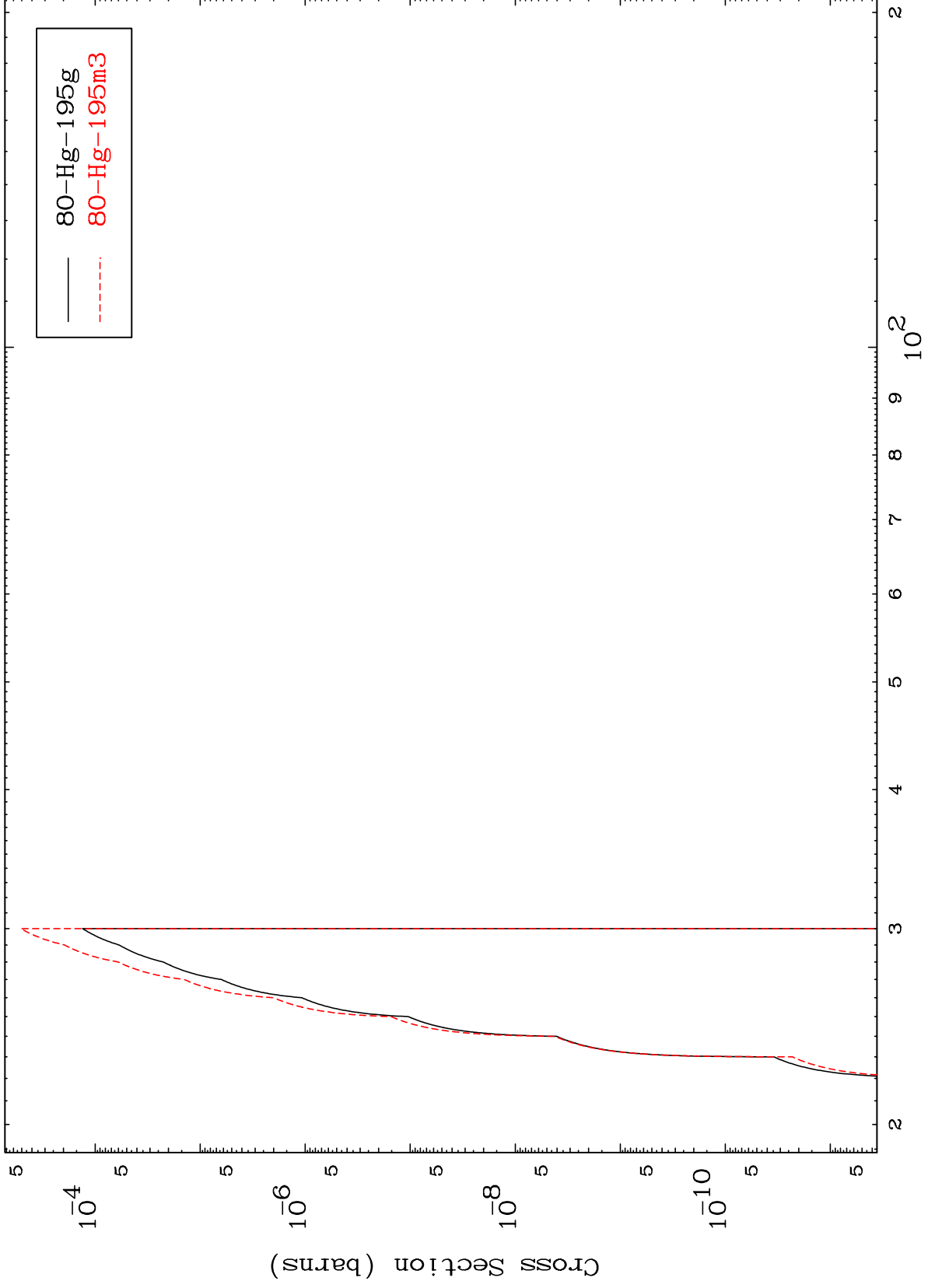
Incident Energy (MeV)

81-T1-198

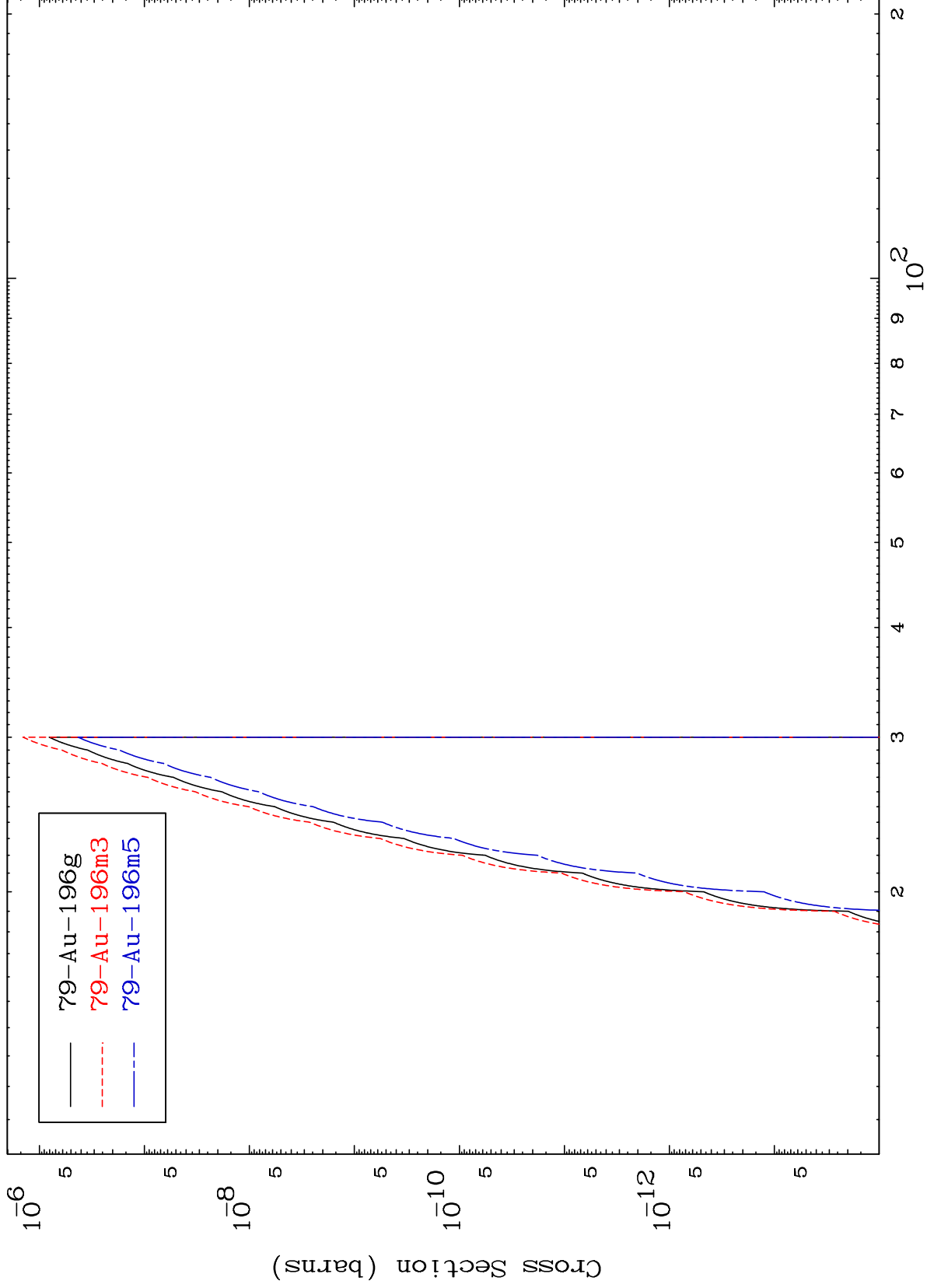
Radionuclide Production Cross Section



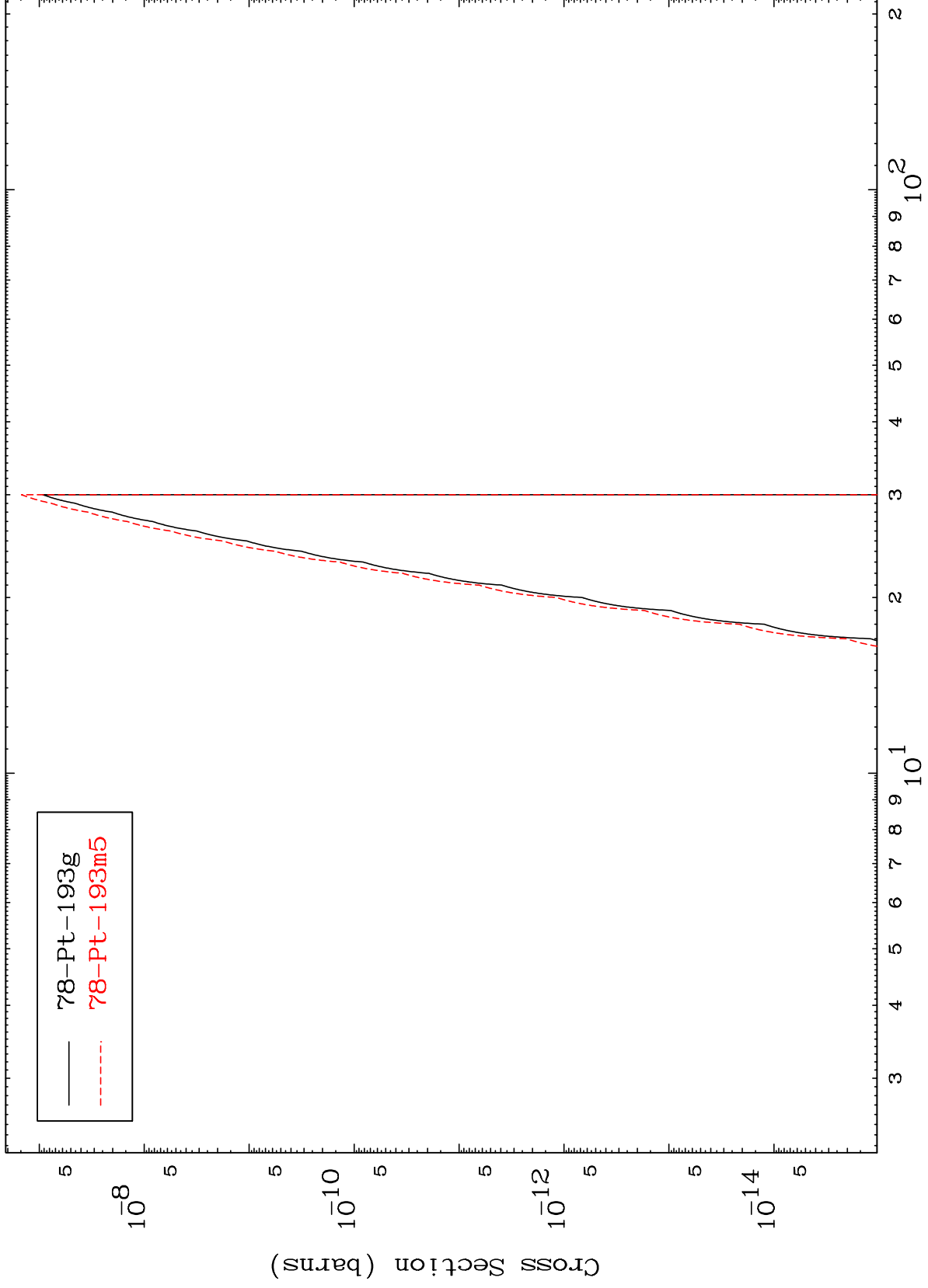
Radionuclide Production Cross Section



Radionuclide Production Cross Section



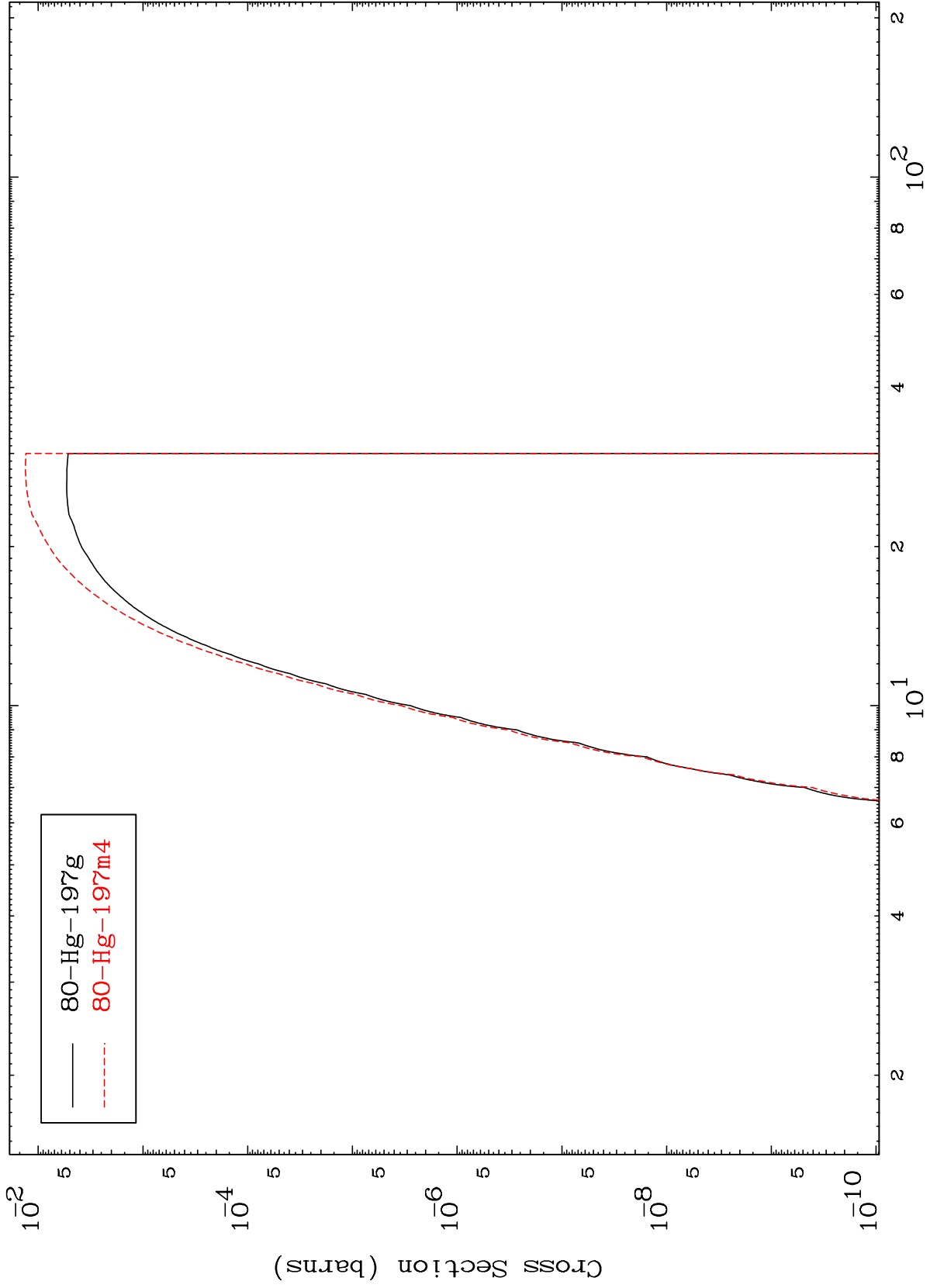
Radionuclide Production Cross Section



MAT 81111

81-Tl-198

(n,d)
Radionuclide Production Cross Section

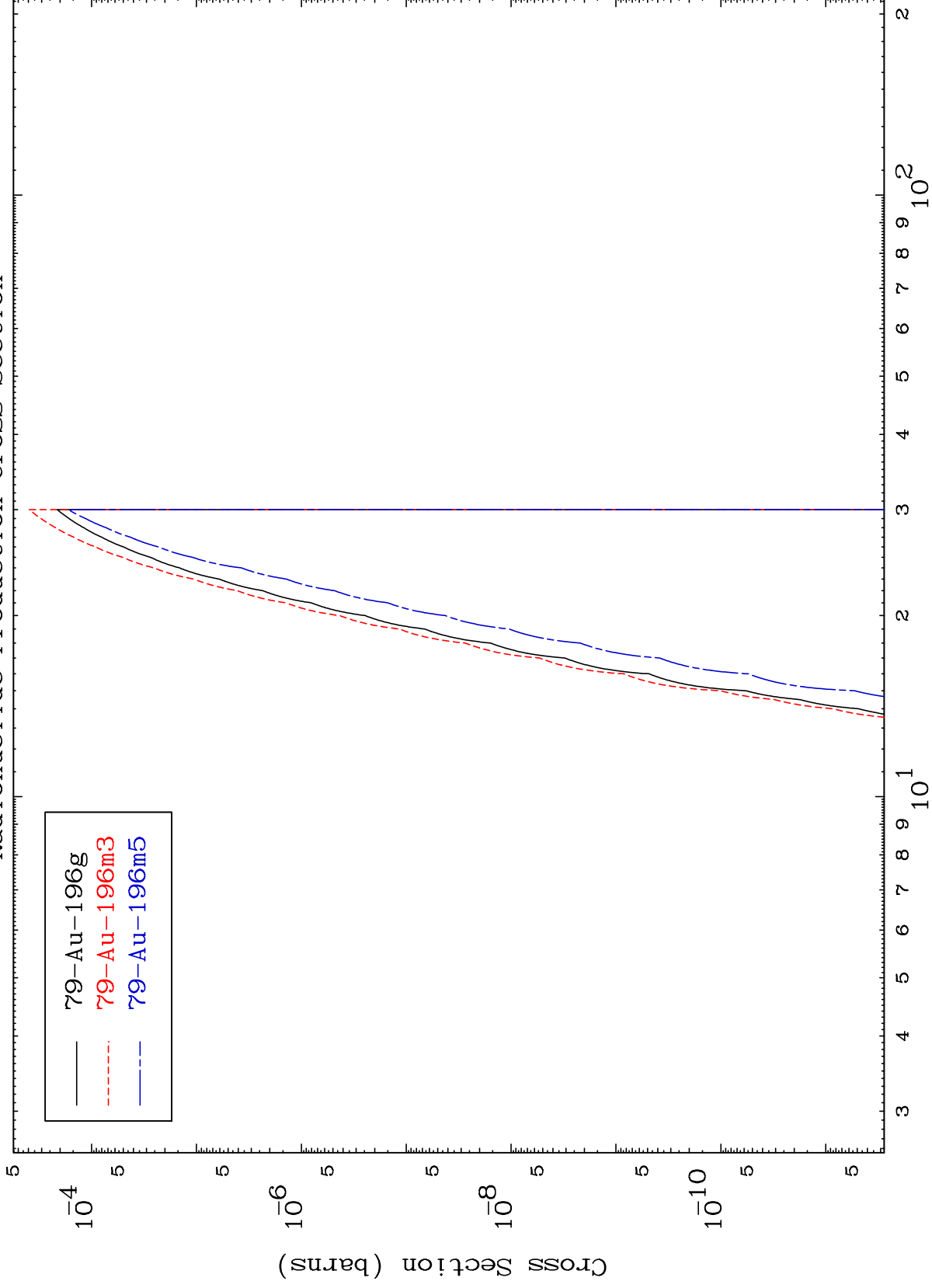


35

81-Tl-198

Incident Energy (MeV)

Radionuclide Production Cross Section

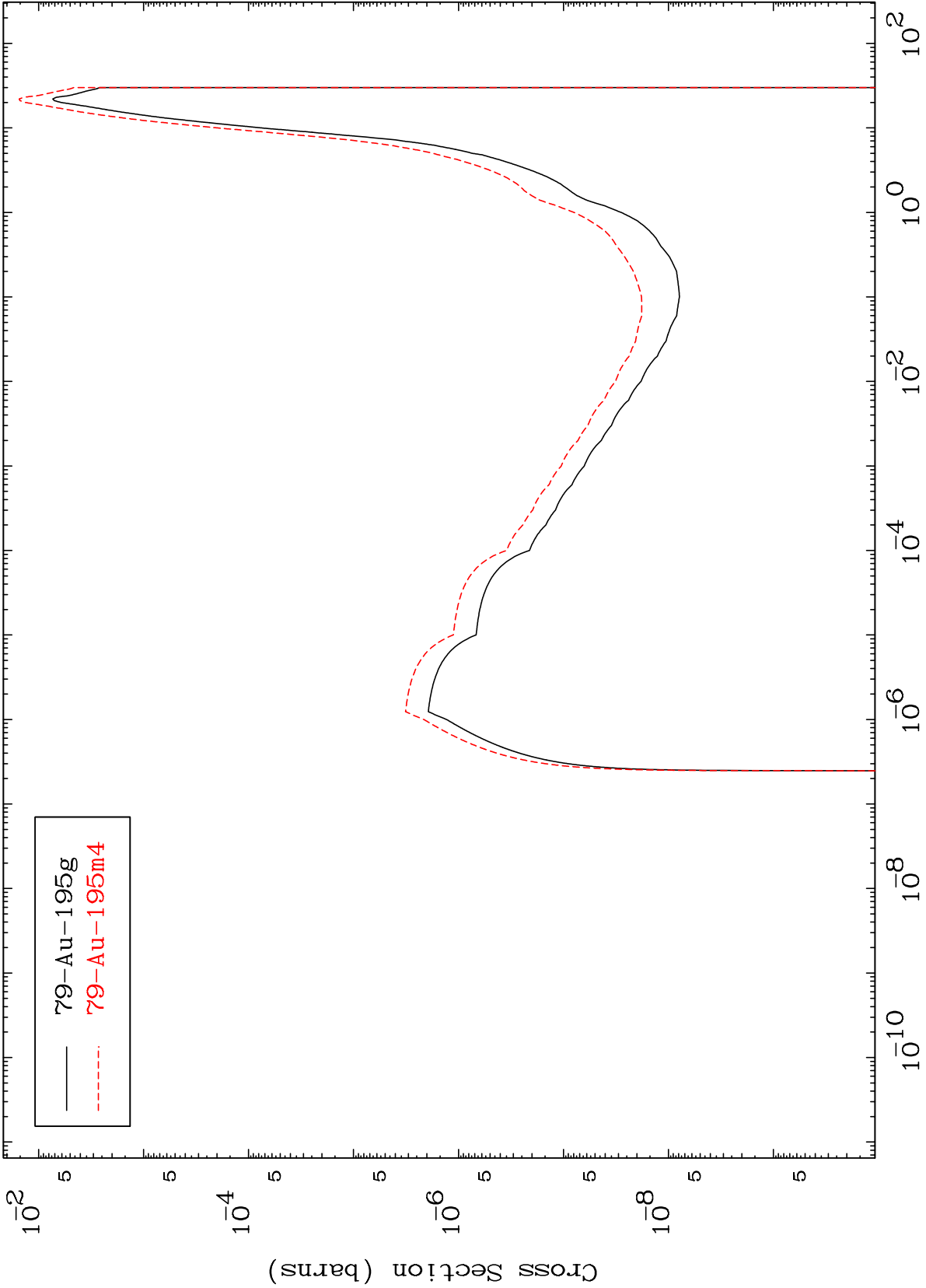


MAT 81111

(n, α)

81-Tl-198

Radionuclide Production Cross Section



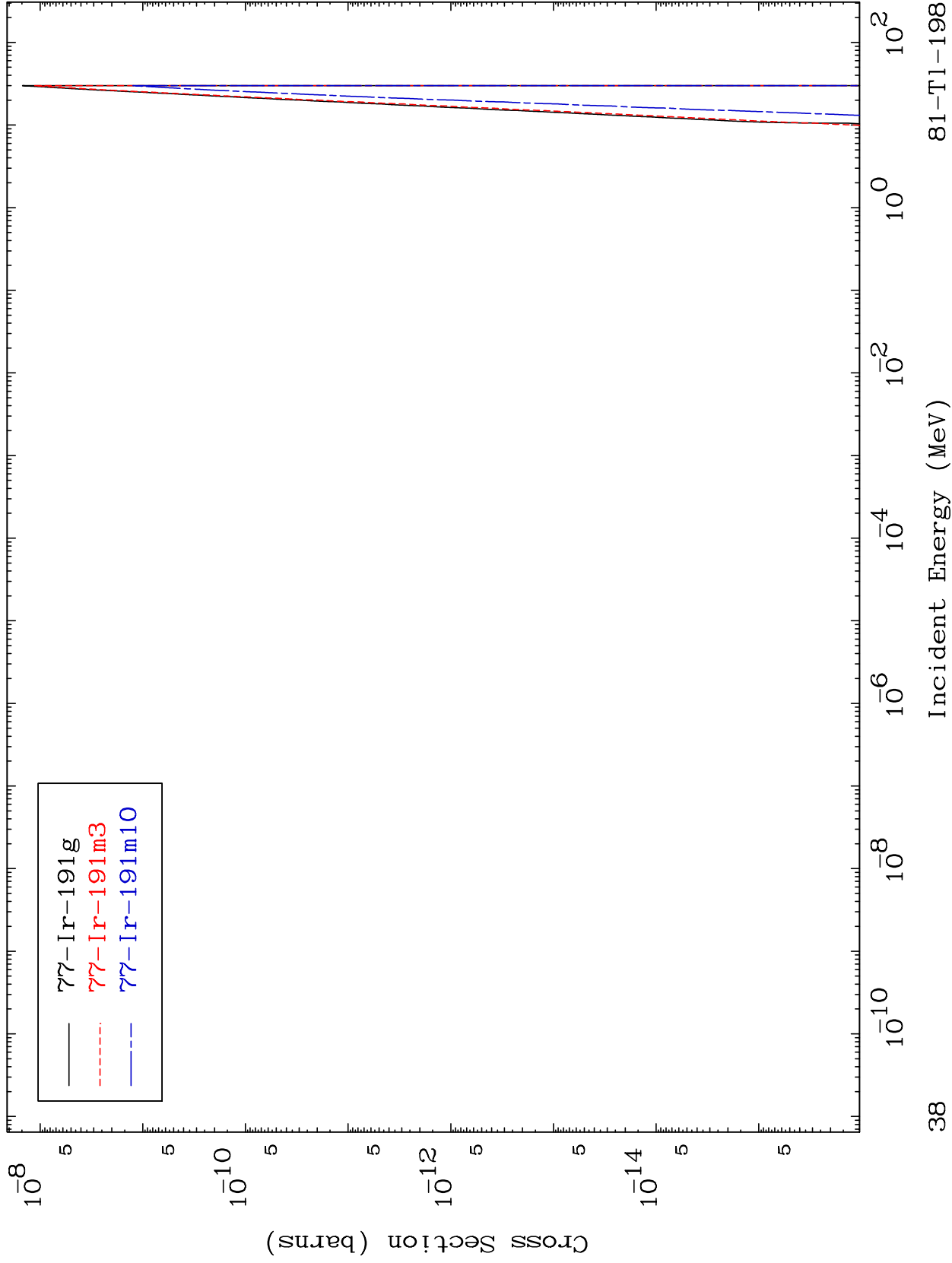
— 79-Au-195g
- - - 79-Au-195m4

MAT 81111

(n,2α)

81-Tl-198

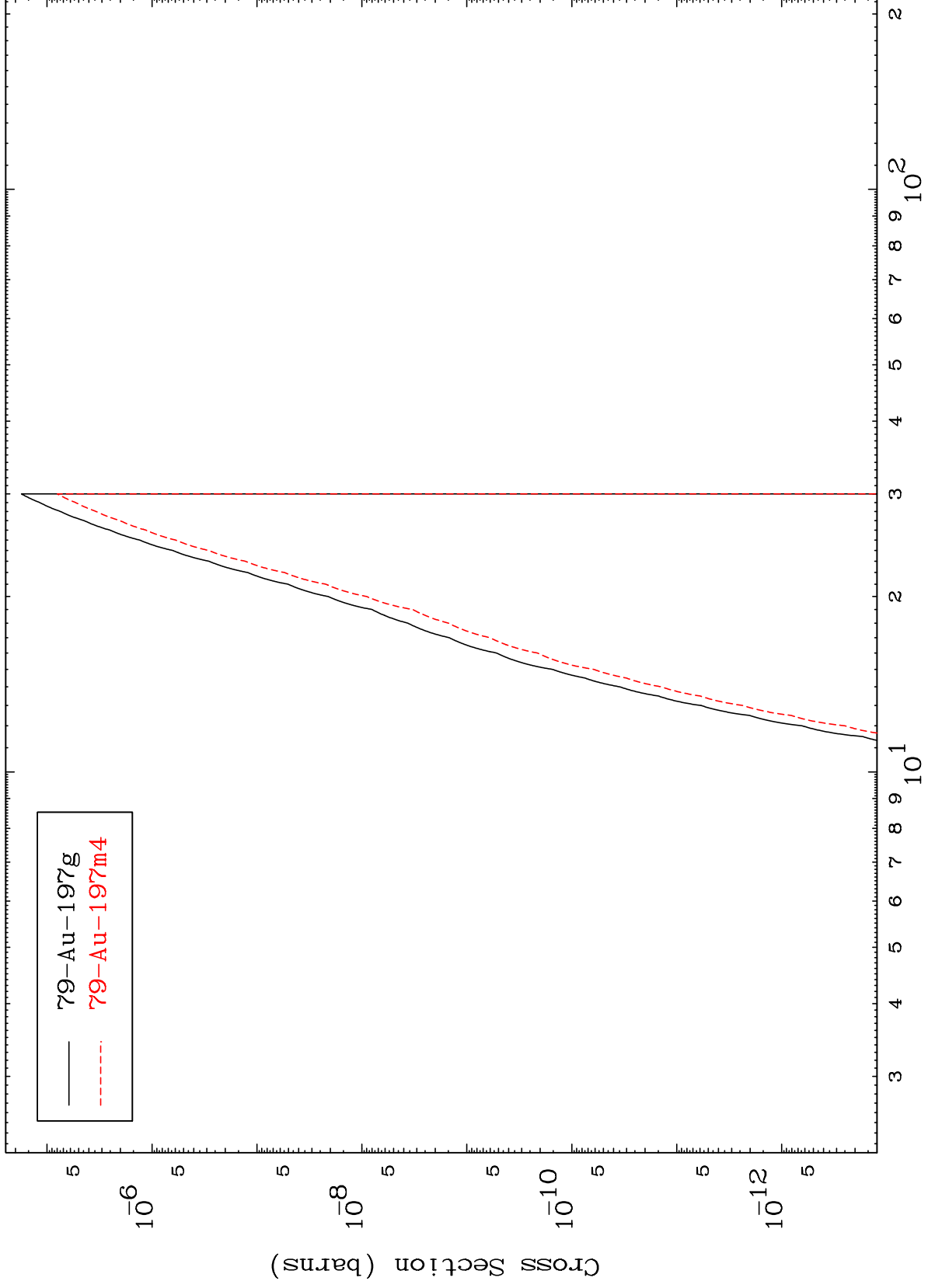
Radionuclide Production Cross Section



MAT 81111

81-Tl-198

(n,2p)
Radionuclide Production Cross Section



39

Incident Energy (MeV)

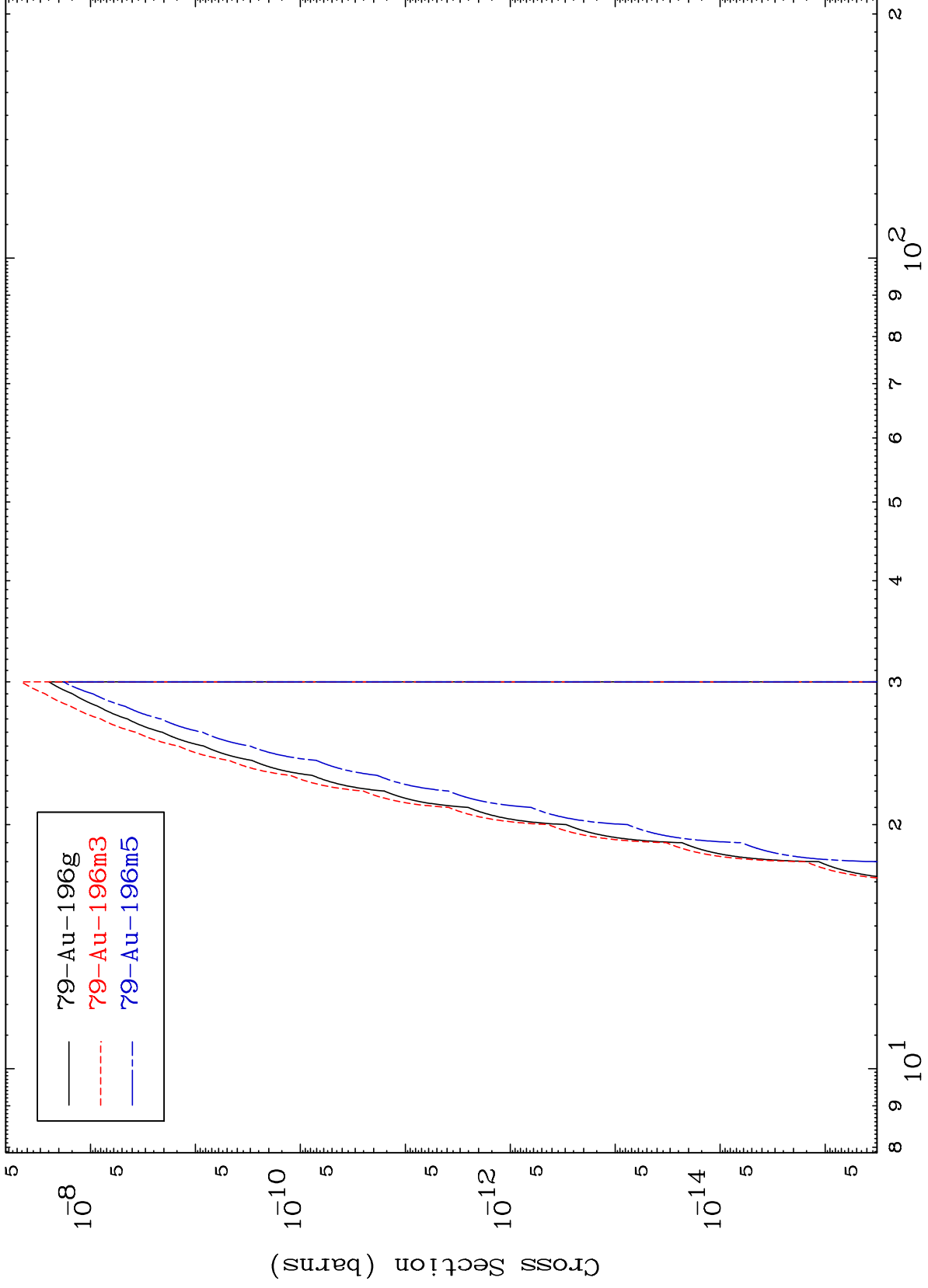
81-Tl-198

MAT 81111

(n,p) d

81-Tl-198

Radionuclide Production Cross Section



40

Incident Energy (MeV)

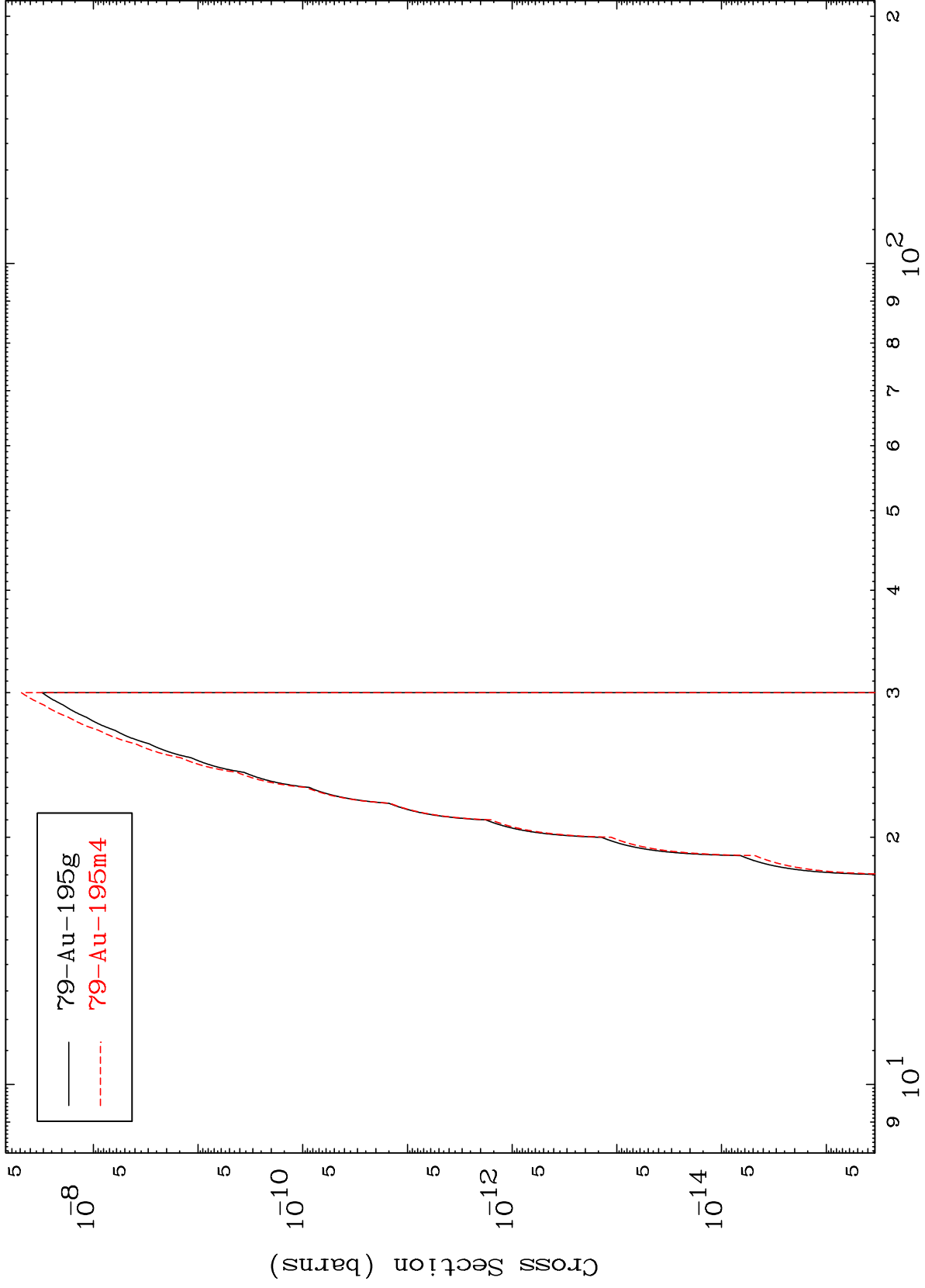
81-Tl-198

MAT 81111

(n,p) t

81-Tl-198

Radionuclide Production Cross Section



41

Incident Energy (MeV)

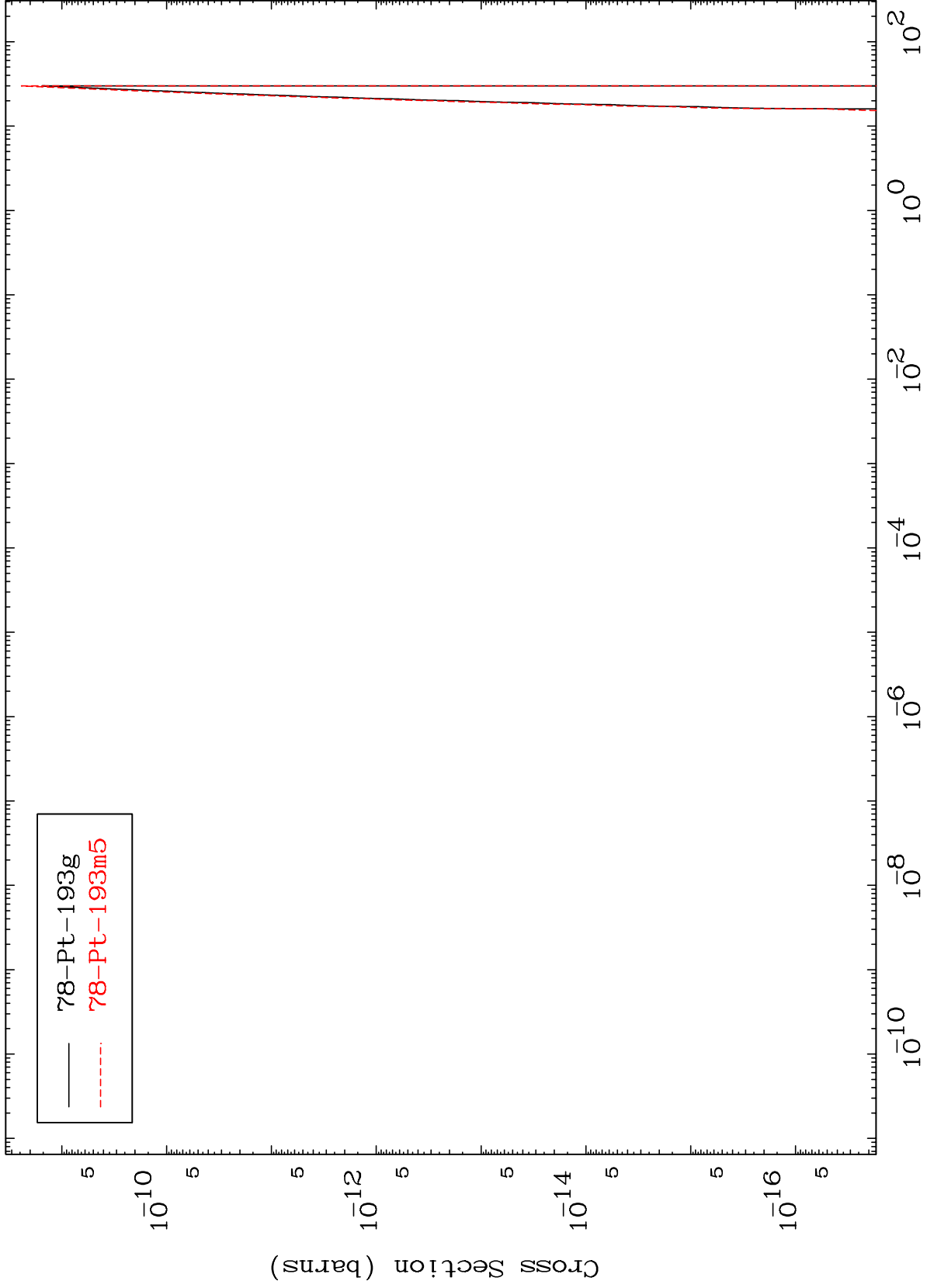
81-Tl-198

MAT 81111

(n,d) α

81-Tl-198

Radionuclide Production Cross Section



42

Incident Energy (MeV)

81-Tl-198