

Program EVALPLOT
(Version 2015-2)

by

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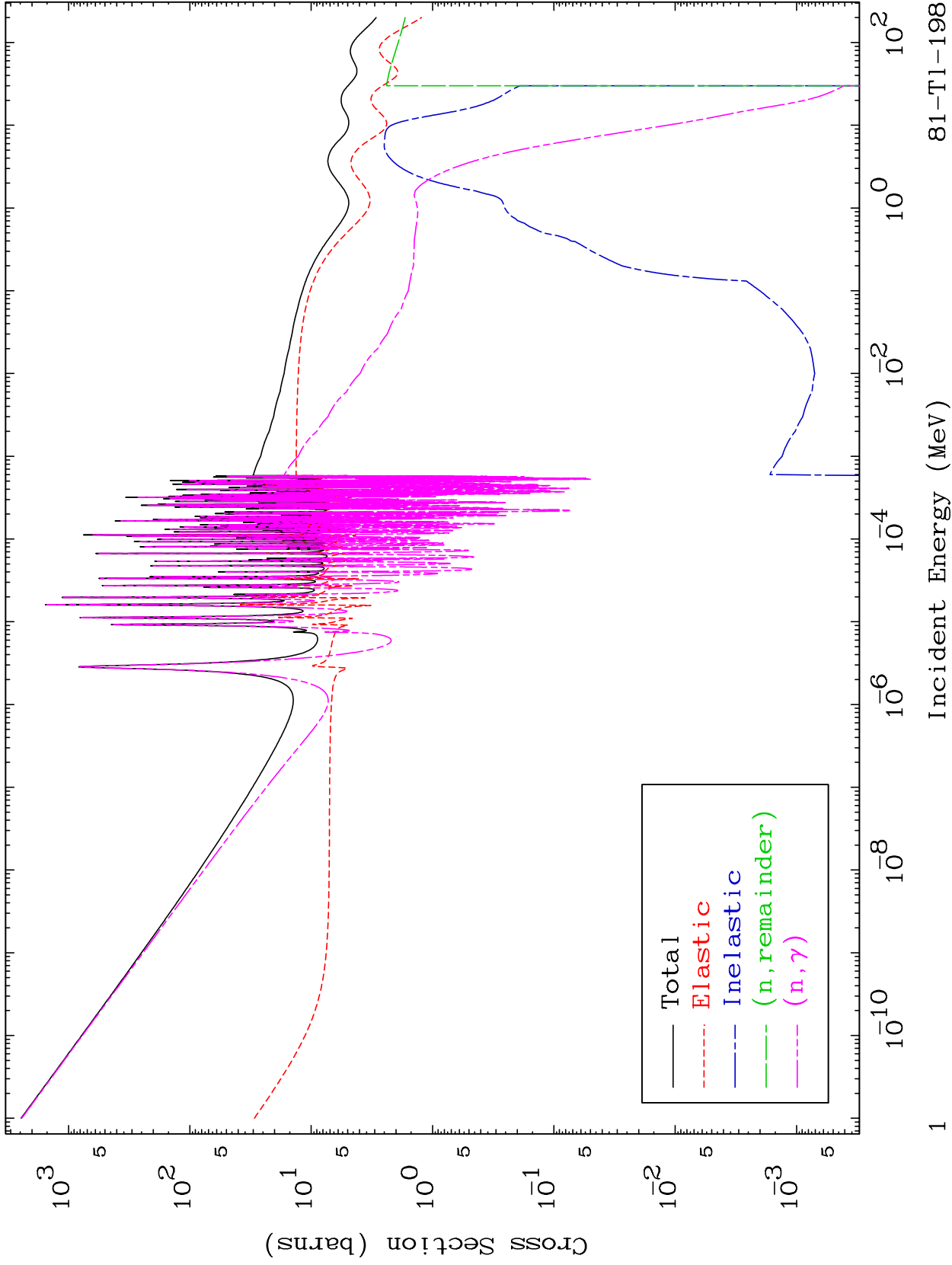
Press Mouse Button to Start

MAT 8111

Major

293 Kelvin Cross Sections

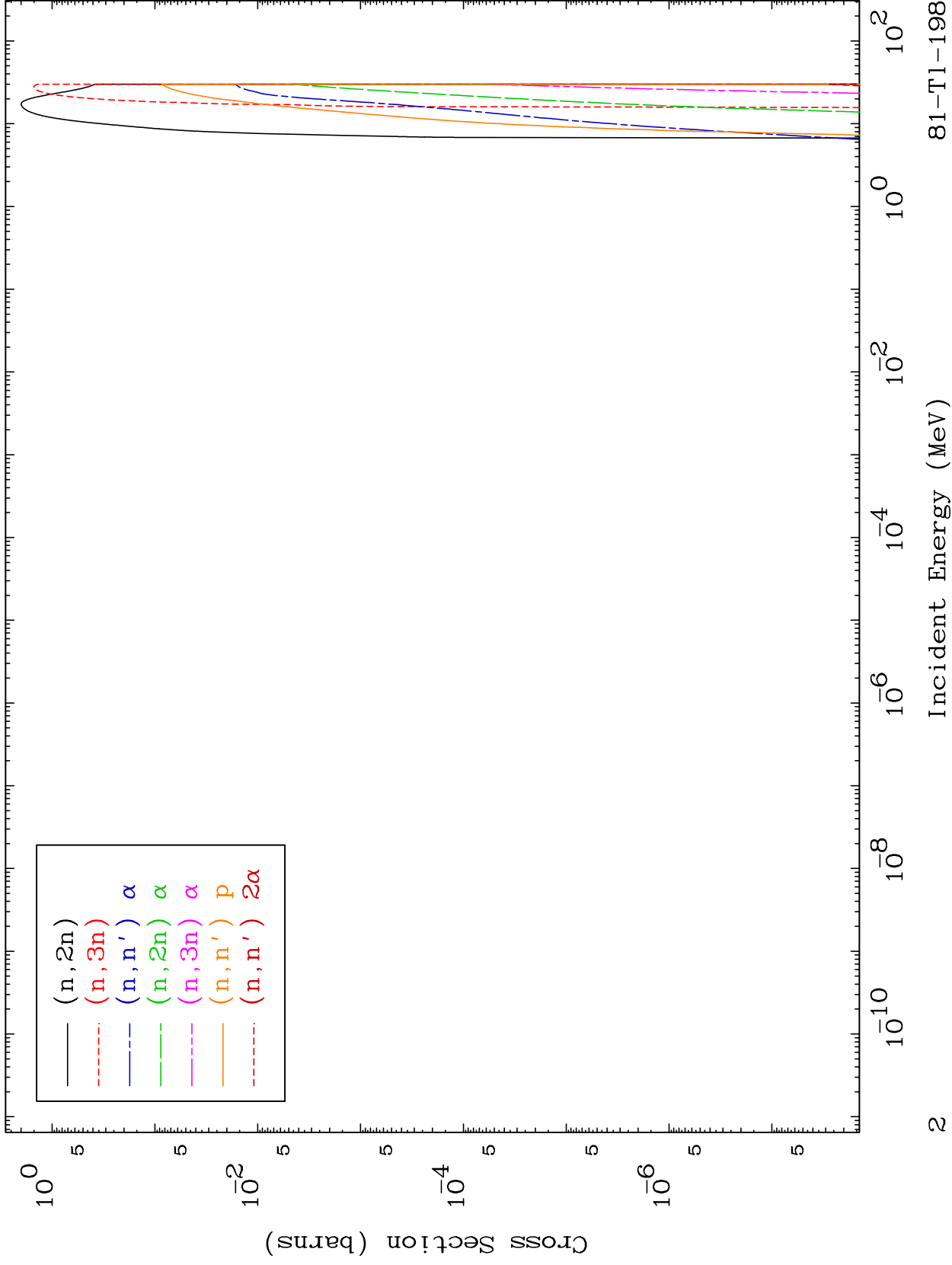
81-Tl-198

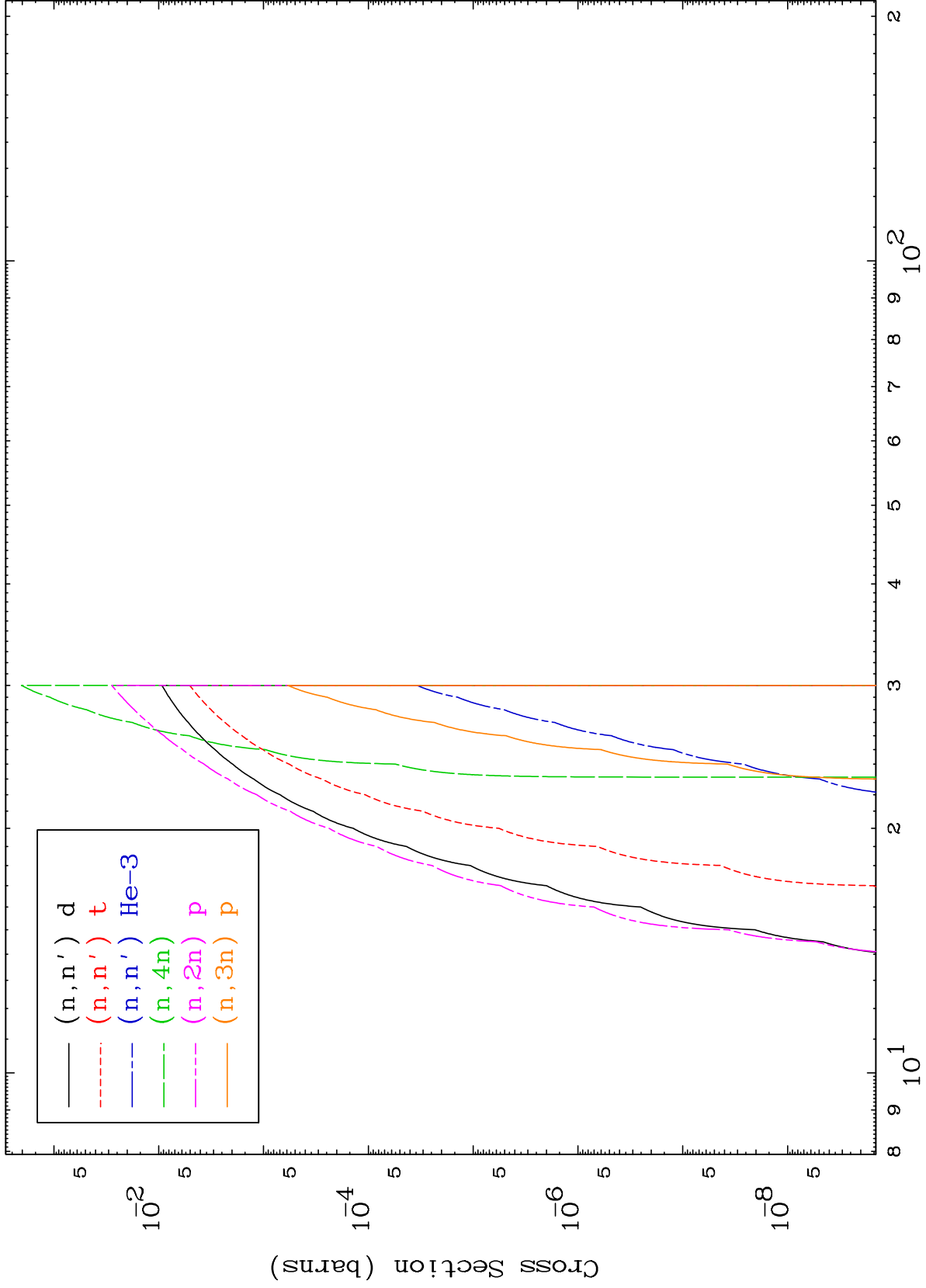


MAT 8111

Neutron Production
293 Kelvin Cross Sections

81-Tl-198

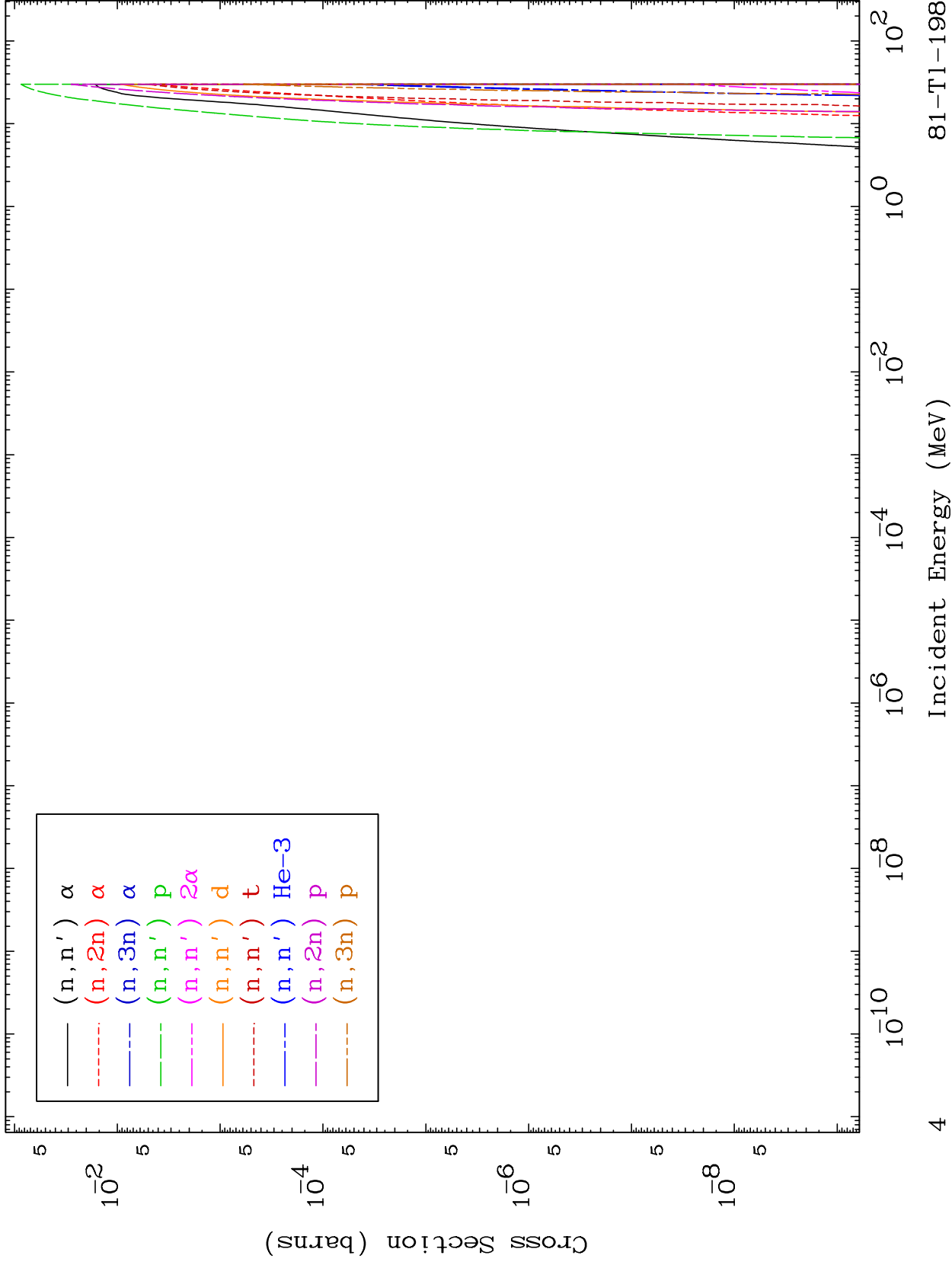




MAT 8111

Charged Particle
293 Kelvin Cross Sections

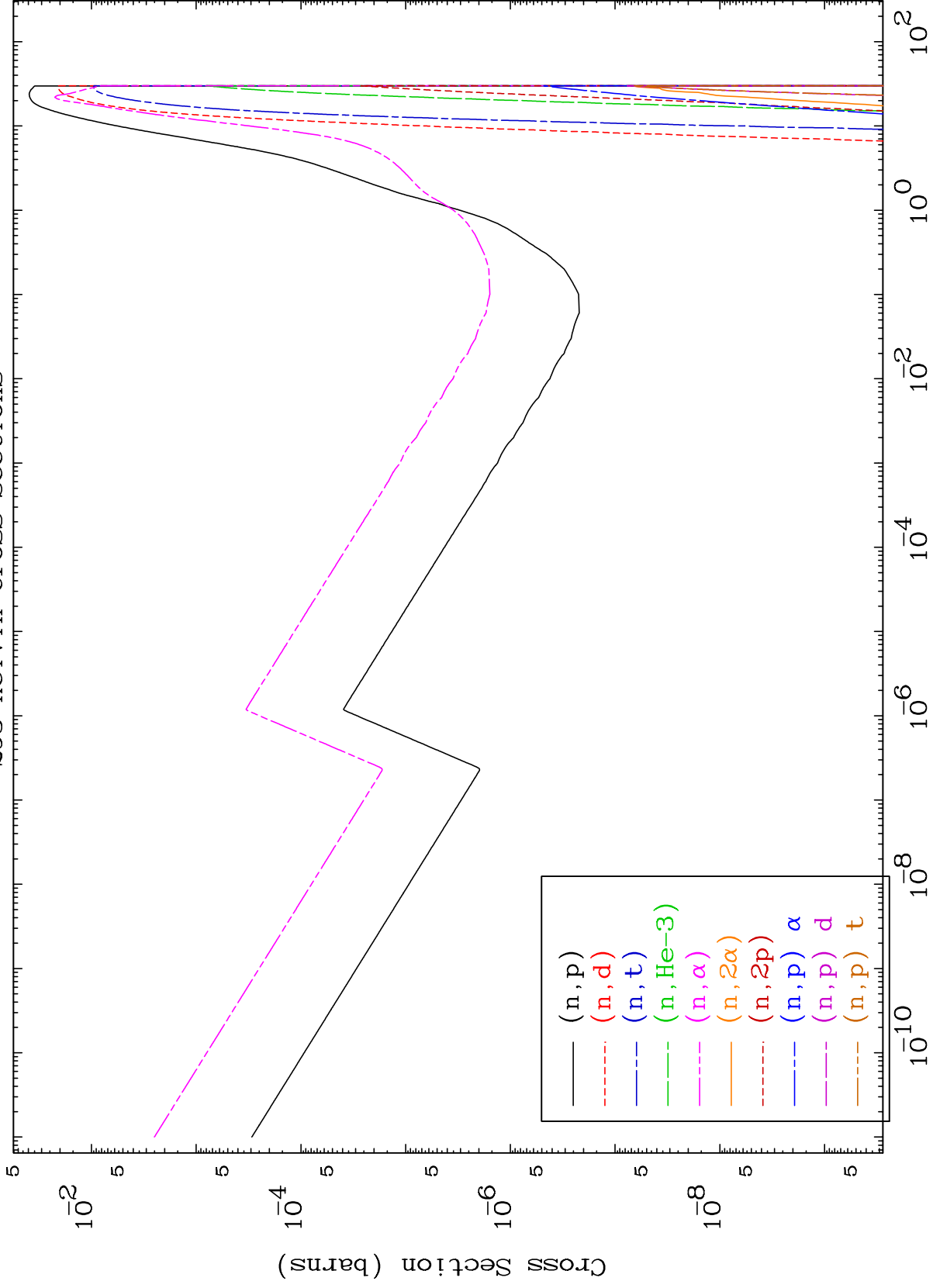
81-Tl-198

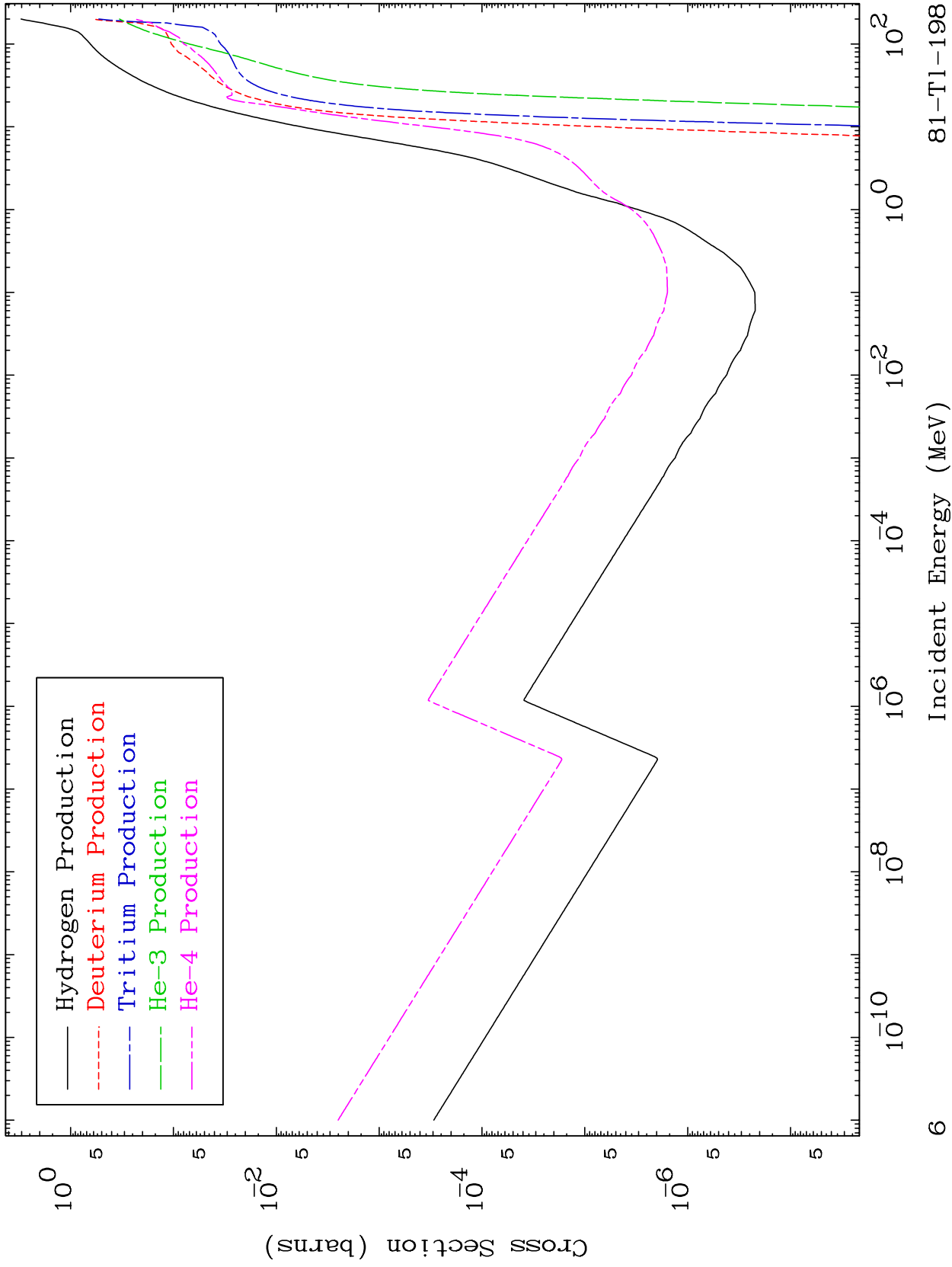


MAT 81111

Charged Particle
293 Kelvin Cross Sections

81-Tl-198

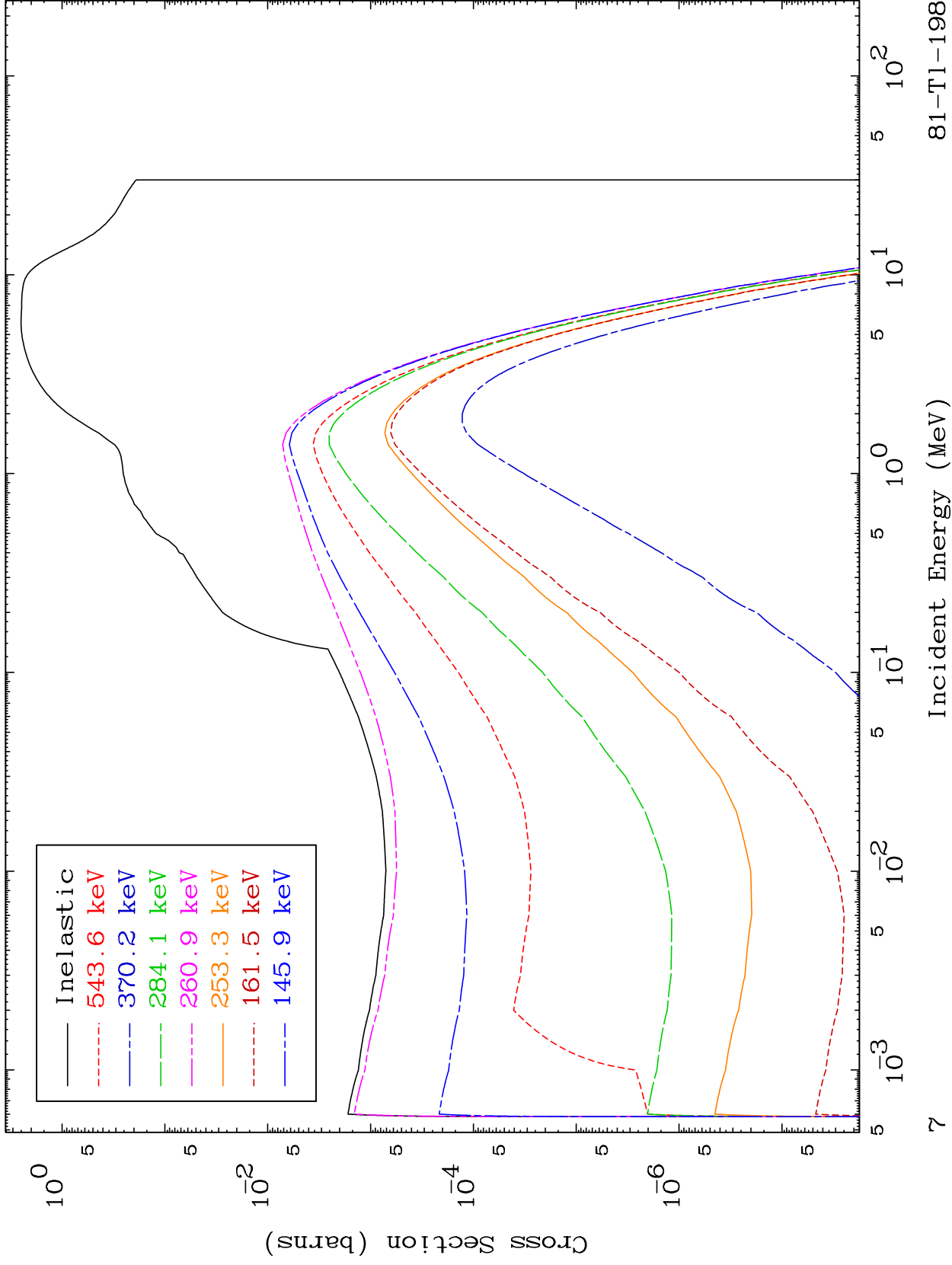




MAT 8111

293 Kelvin Cross Sections
(n,n') Level

81-Tl-198



81-Tl-198

Incident Energy (MeV)

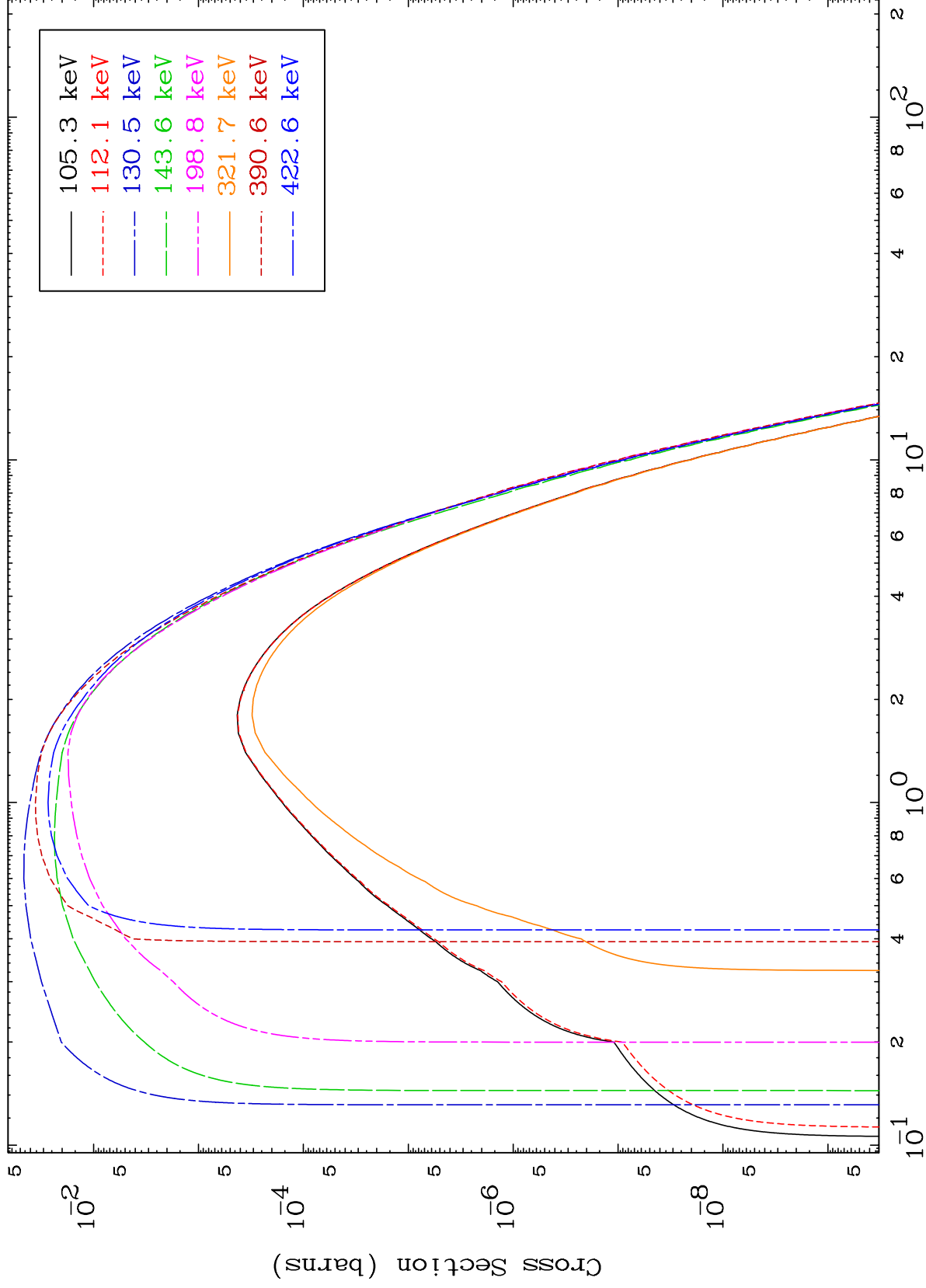
7

MAT 8111

(n,n') Level

293 Kelvin Cross Sections

81-Tl-198



Incident Energy (MeV)

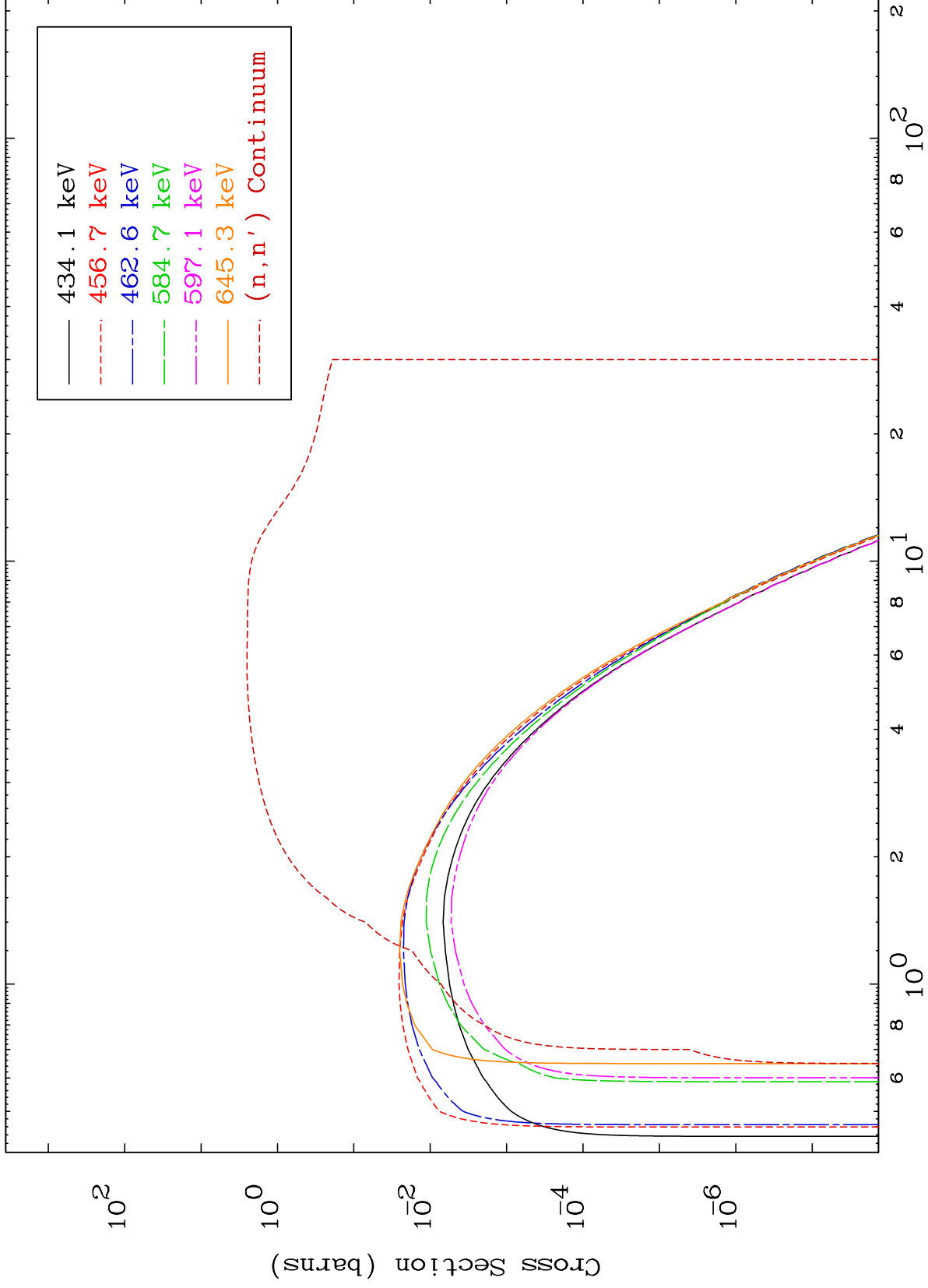
81-Tl-198

MAT 8111

(n,n') Level

81-Tl-198

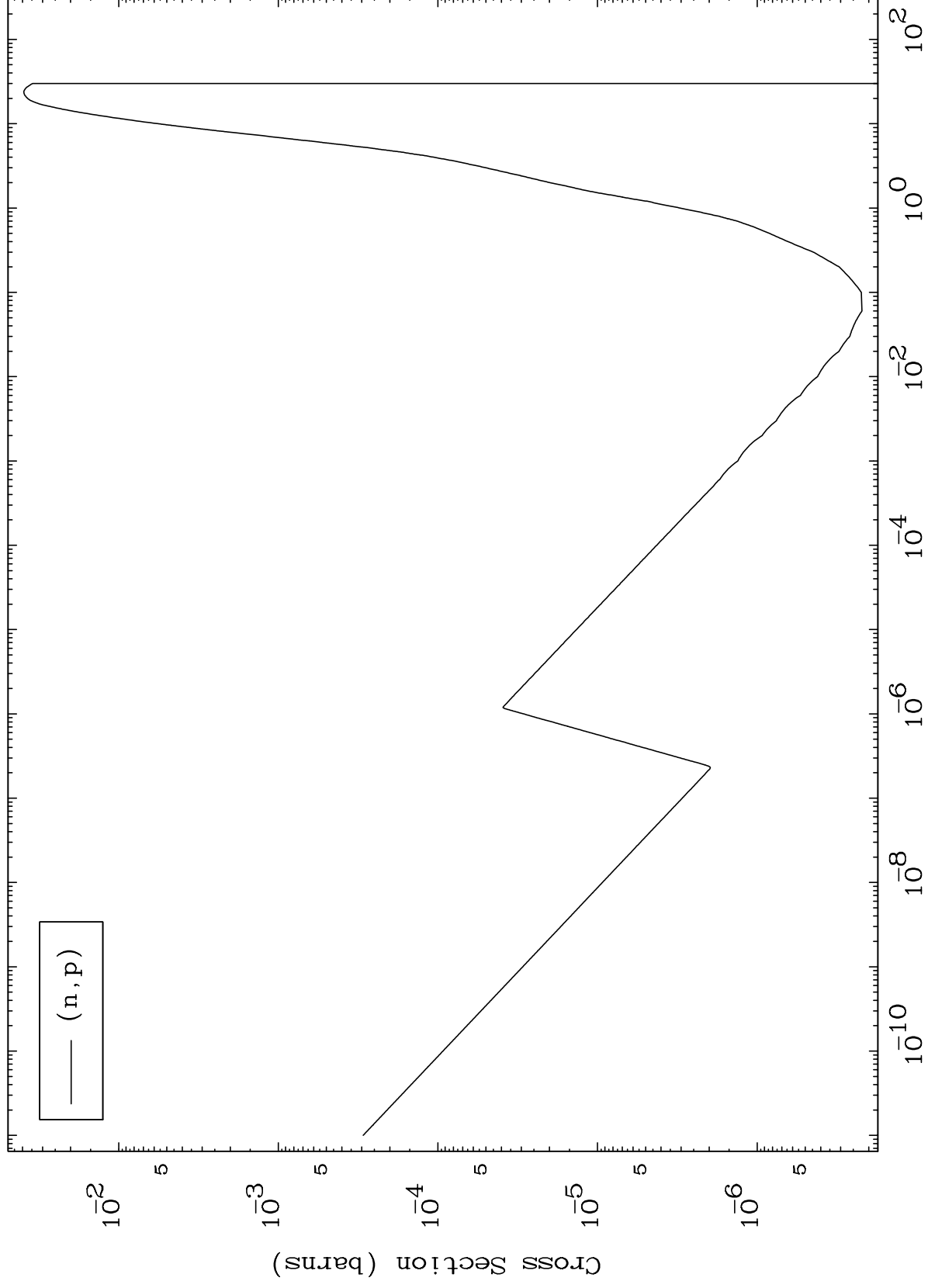
293 Kelvin Cross Sections



MAT 81111

(n,p) Levels
293 Kelvin Cross Sections

81-Tl-198



10

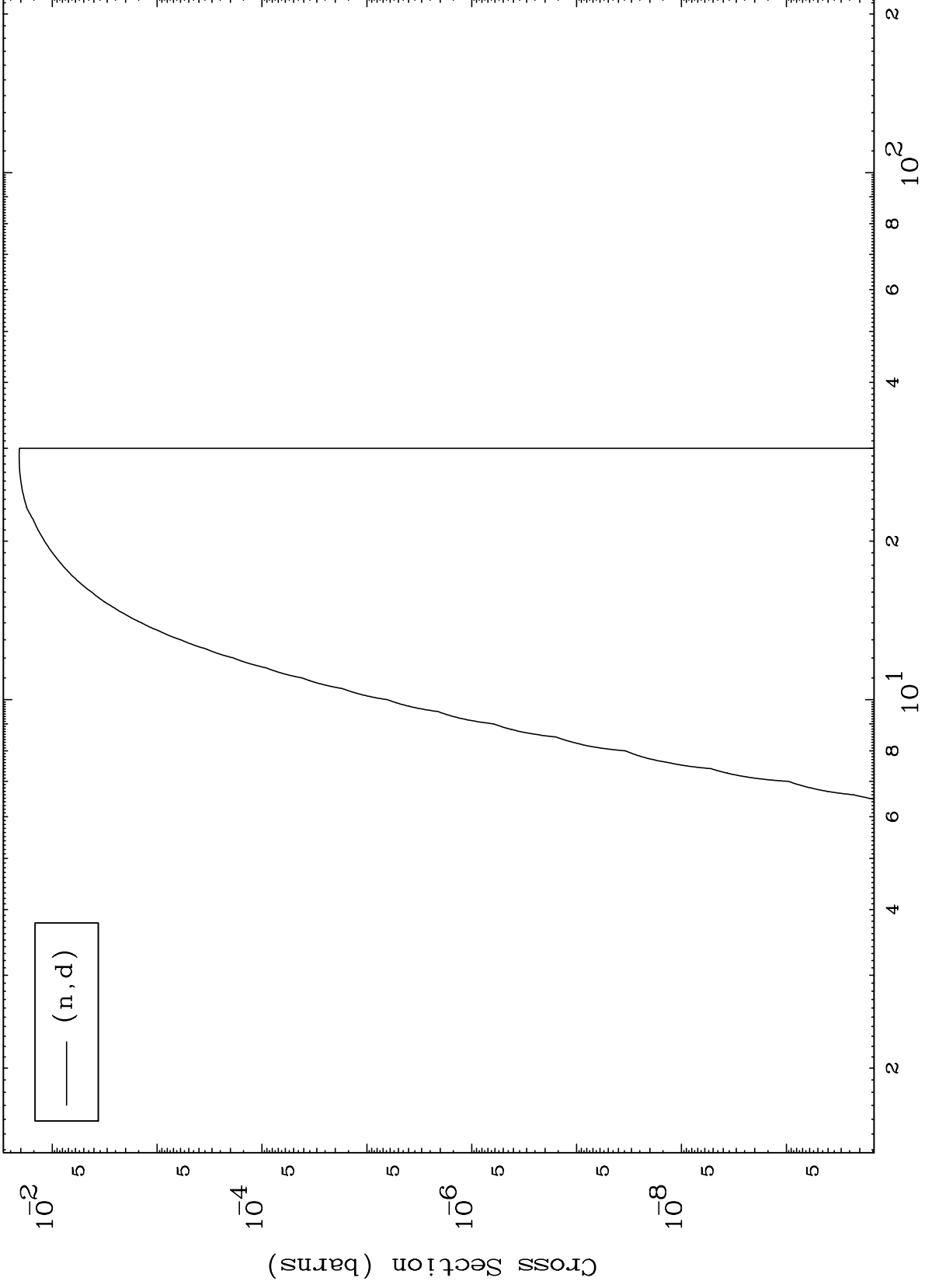
Incident Energy (MeV)

81-Tl-198

MAT 81111

(n,d) Levels
293 Kelvin Cross Sections

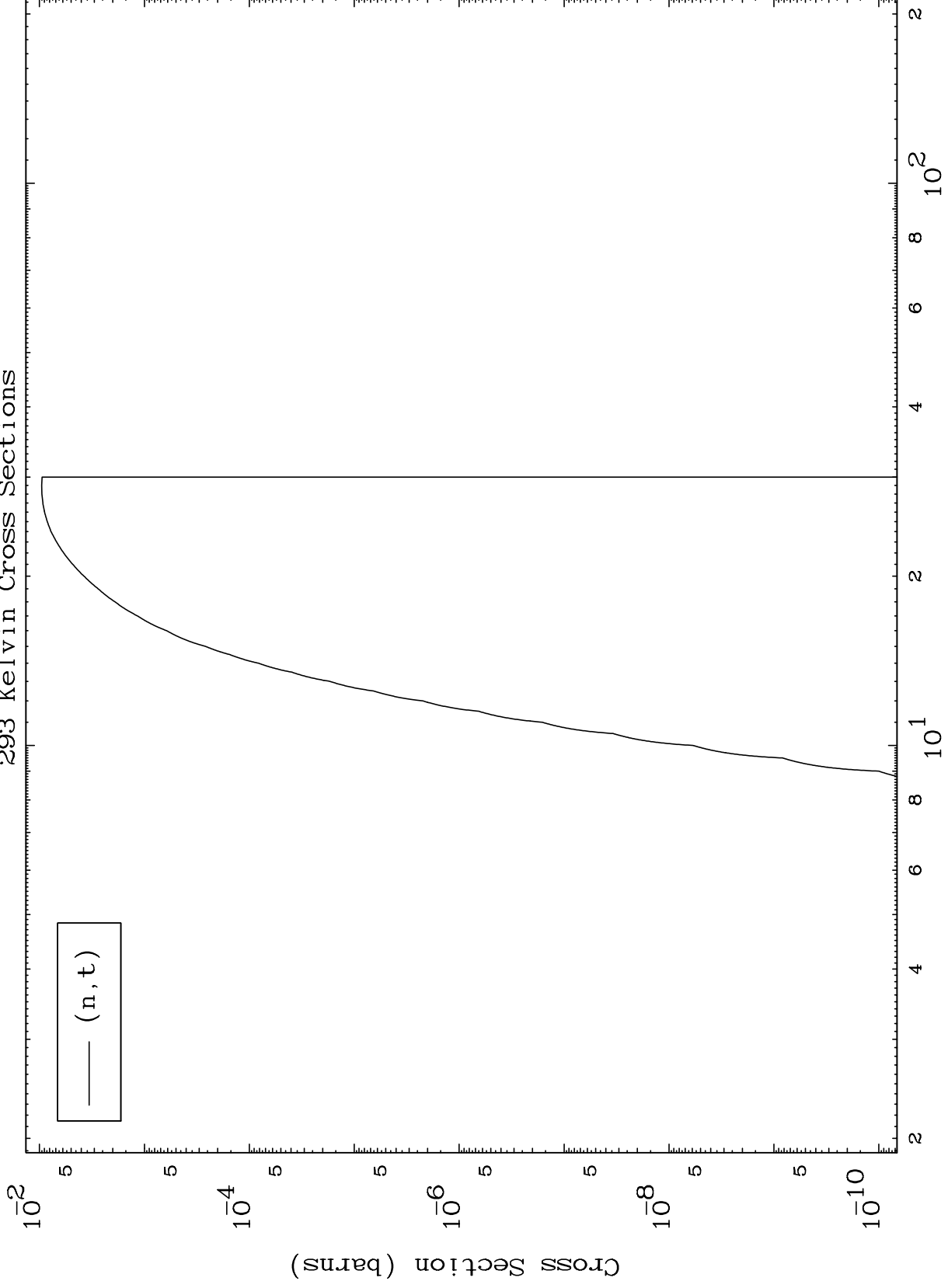
81-T1-198



MAT 81111

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-198



12

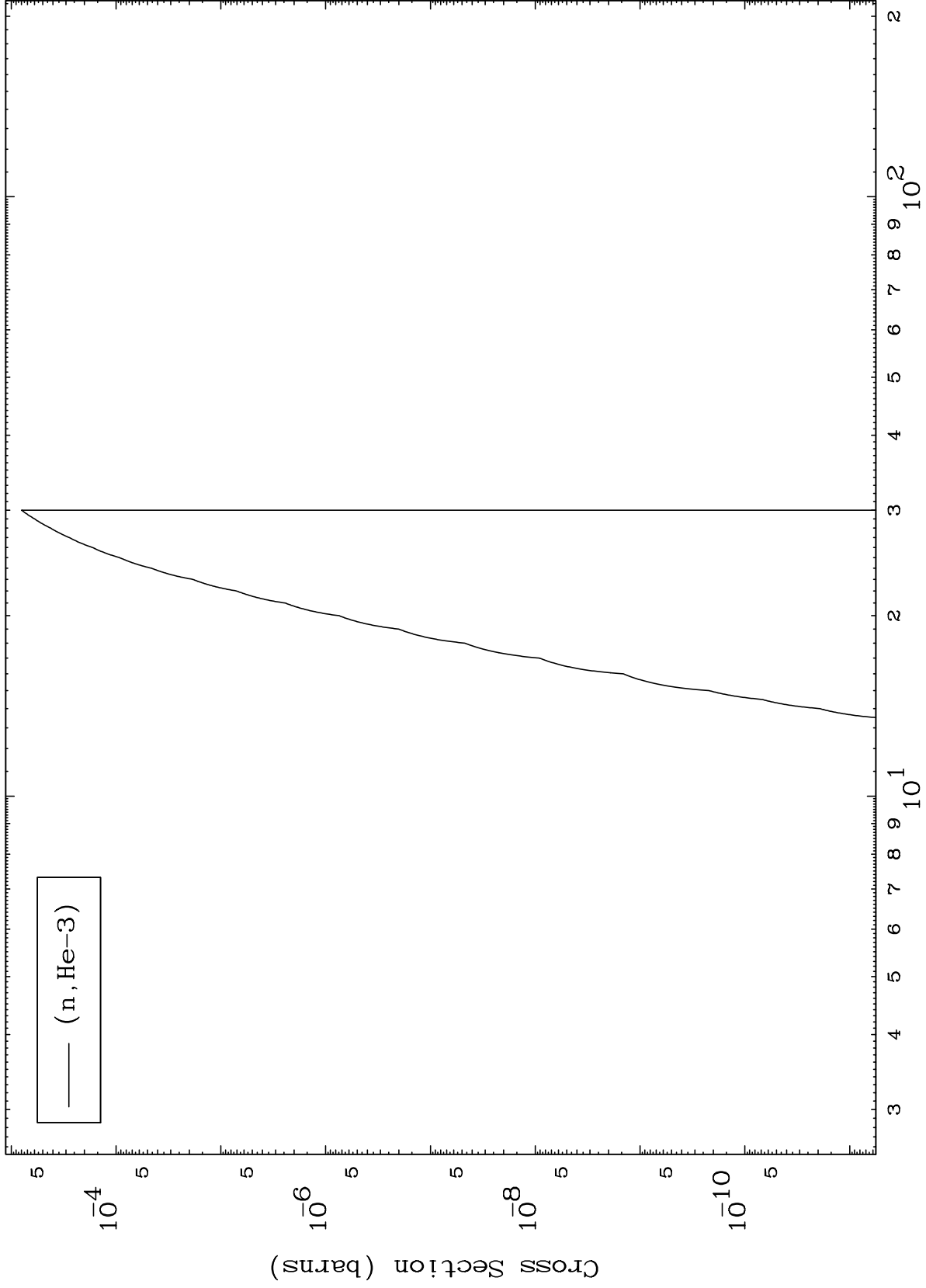
Incident Energy (MeV)

81-Tl-198

MAT 81111

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-198



13

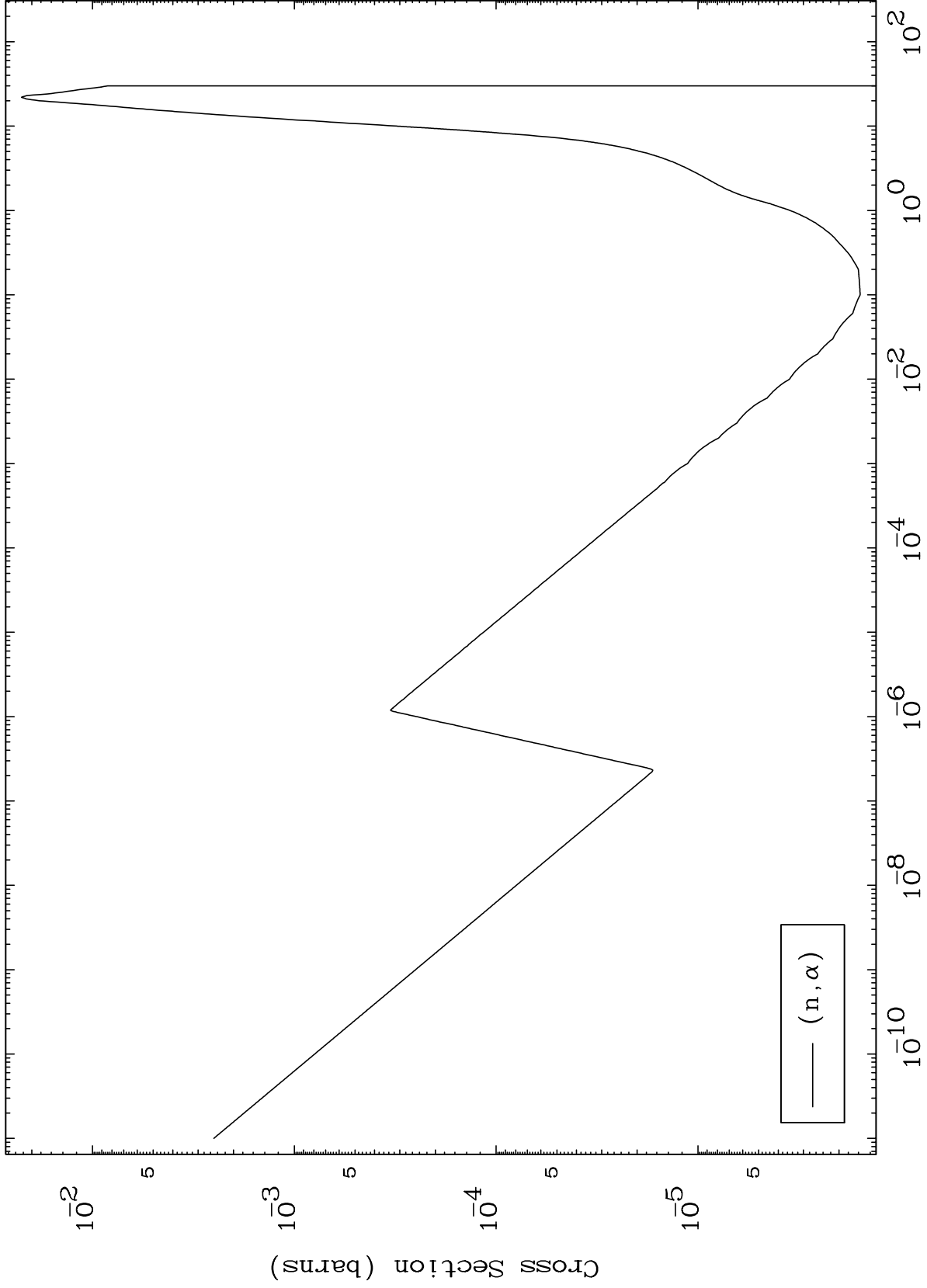
Incident Energy (MeV)

81-T1-198

MAT 81111

(n, α) Levels
293 Kelvin Cross Sections

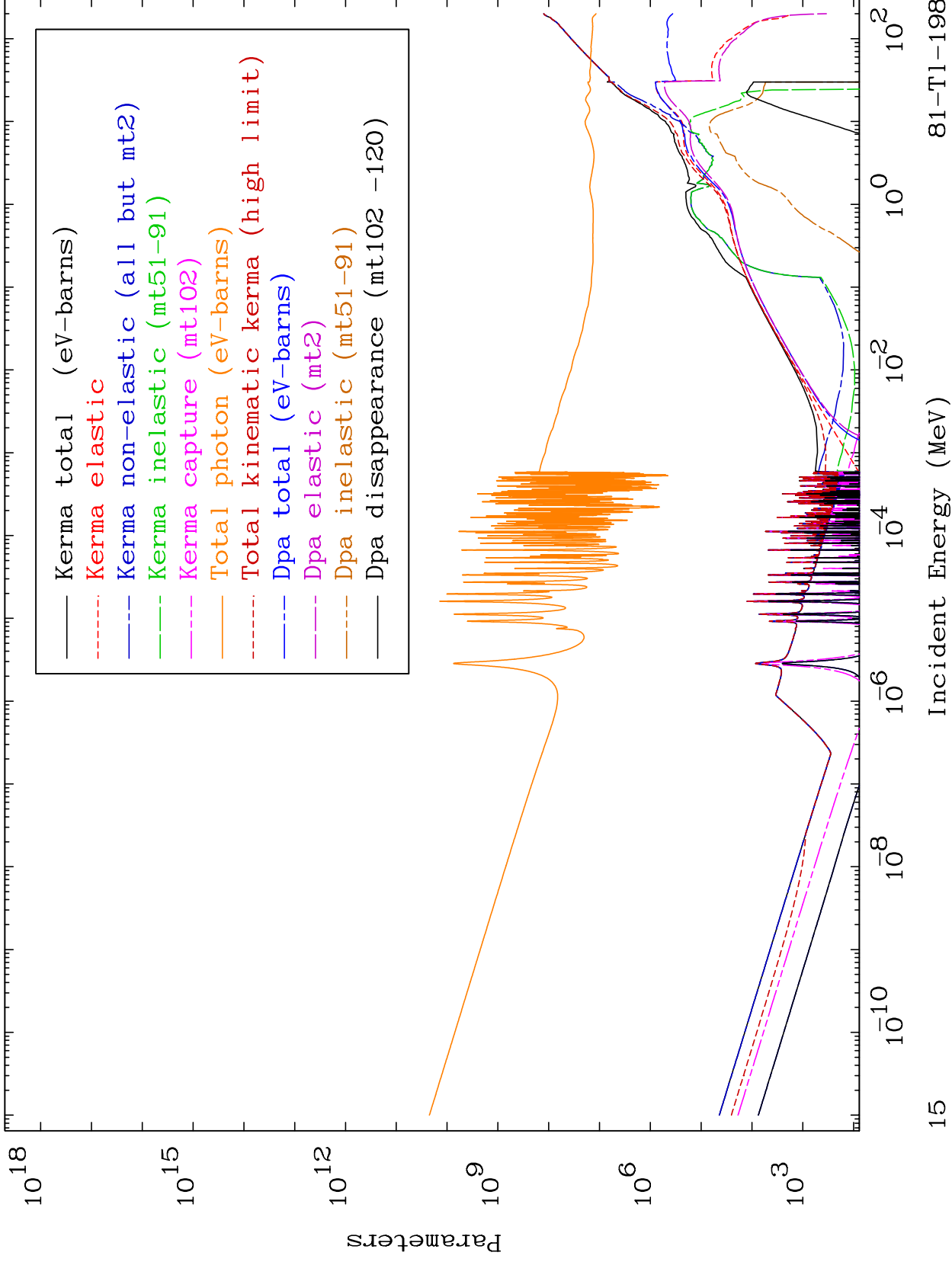
81-Tl-198



14

Incident Energy (MeV)

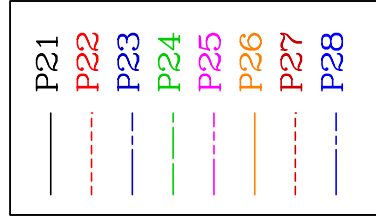
81-Tl-198



MAT 8111

Elastic
Legendre Coefficients

81-T1-198



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

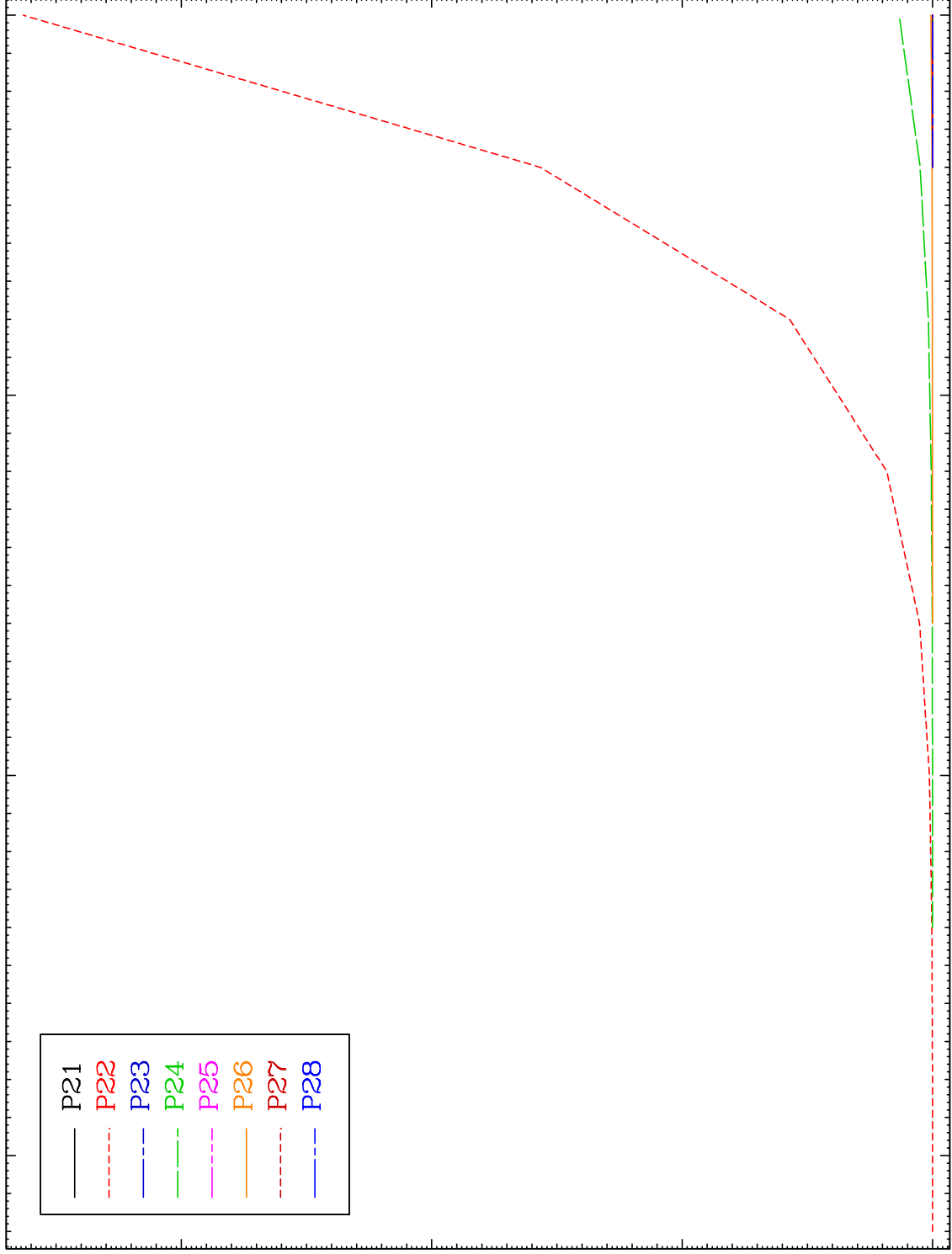
25

30

18

Incident Energy (MeV)

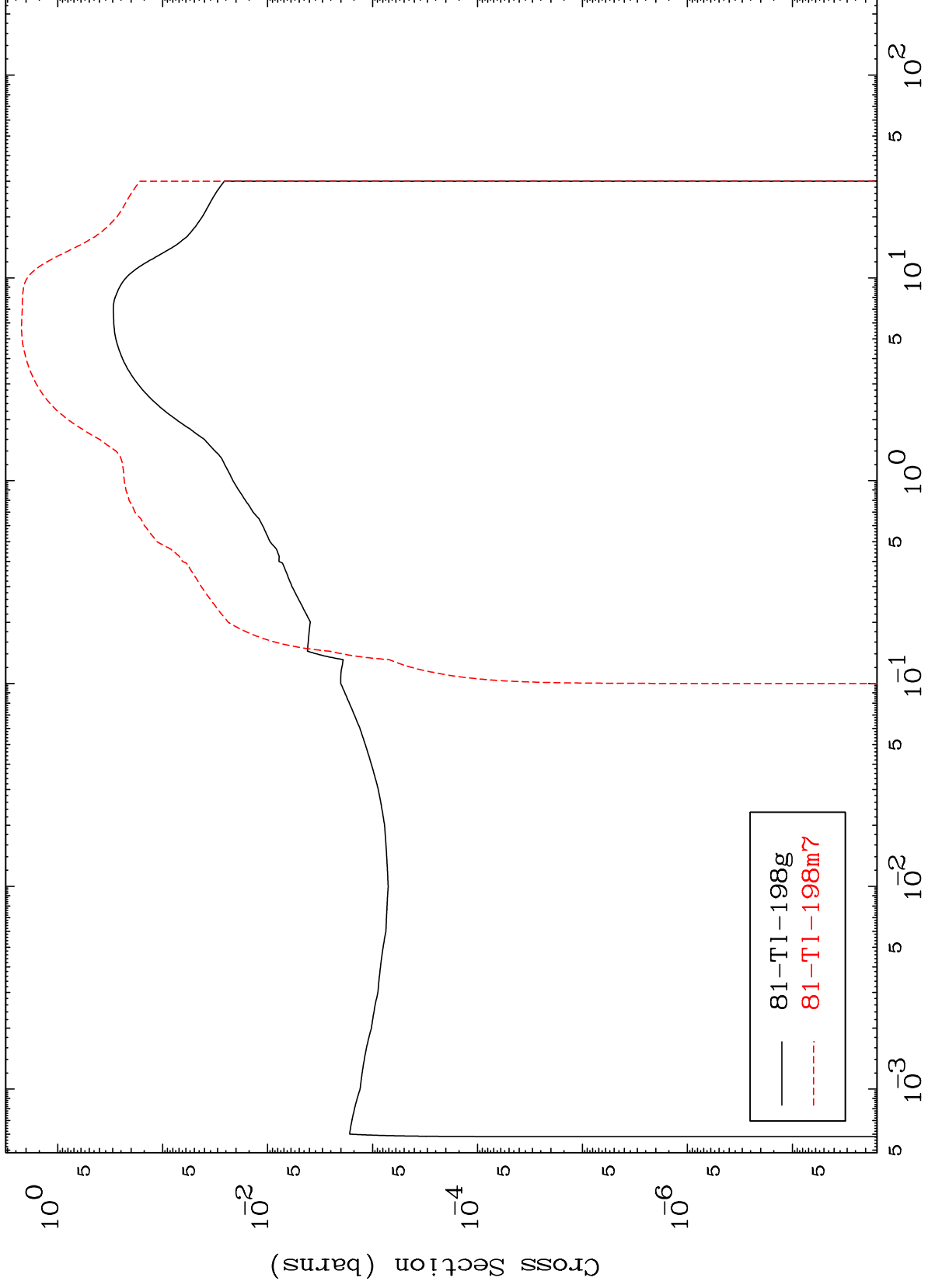
81-T1-198



MAT 81111

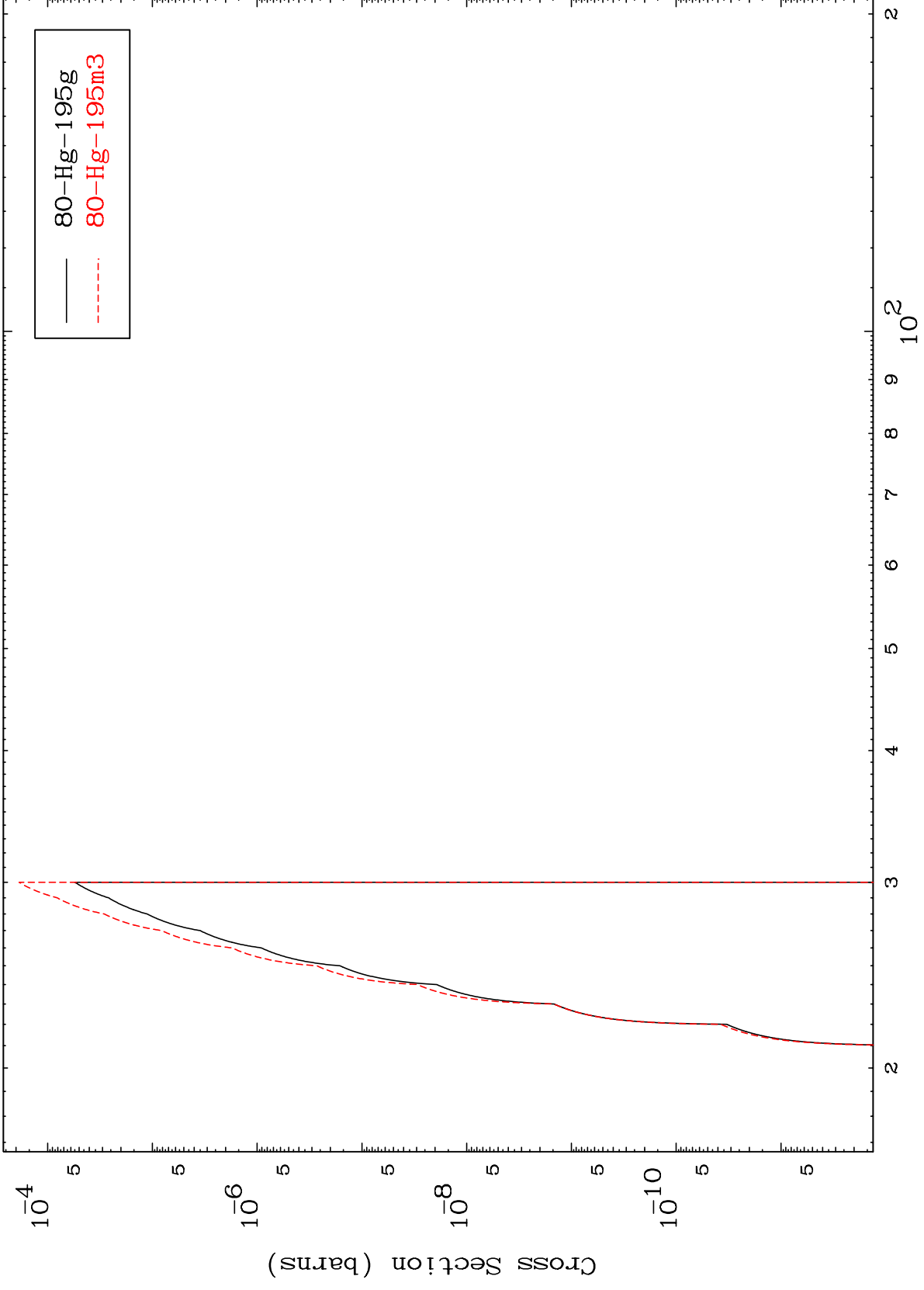
81-Tl-198

Inelastic
Radionuclide Production Cross Section



— 81-Tl-198g
- - - 81-Tl-198m7

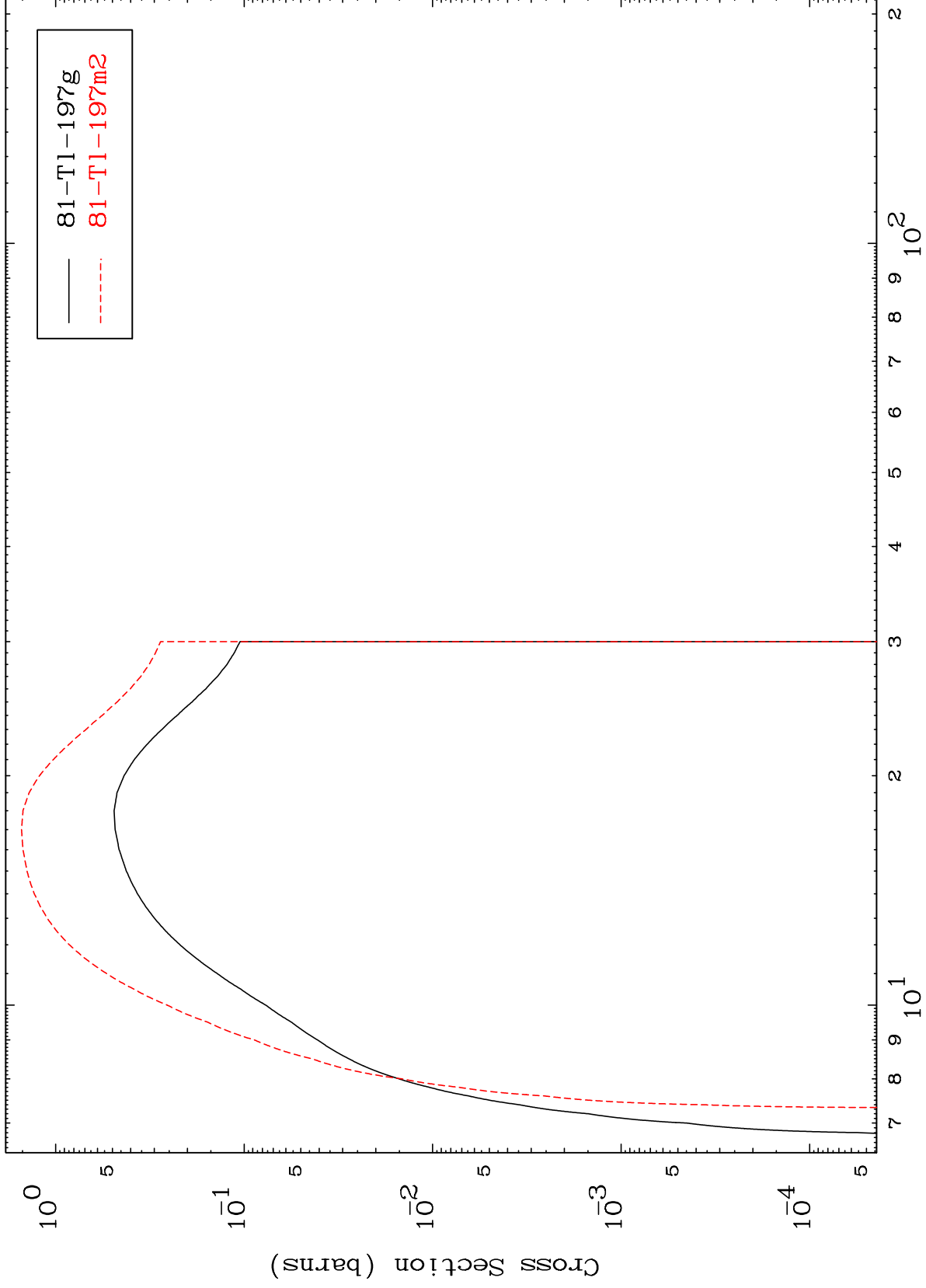
Radionuclide Production Cross Section



MAT 81111

81-Tl-198

(n,2n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

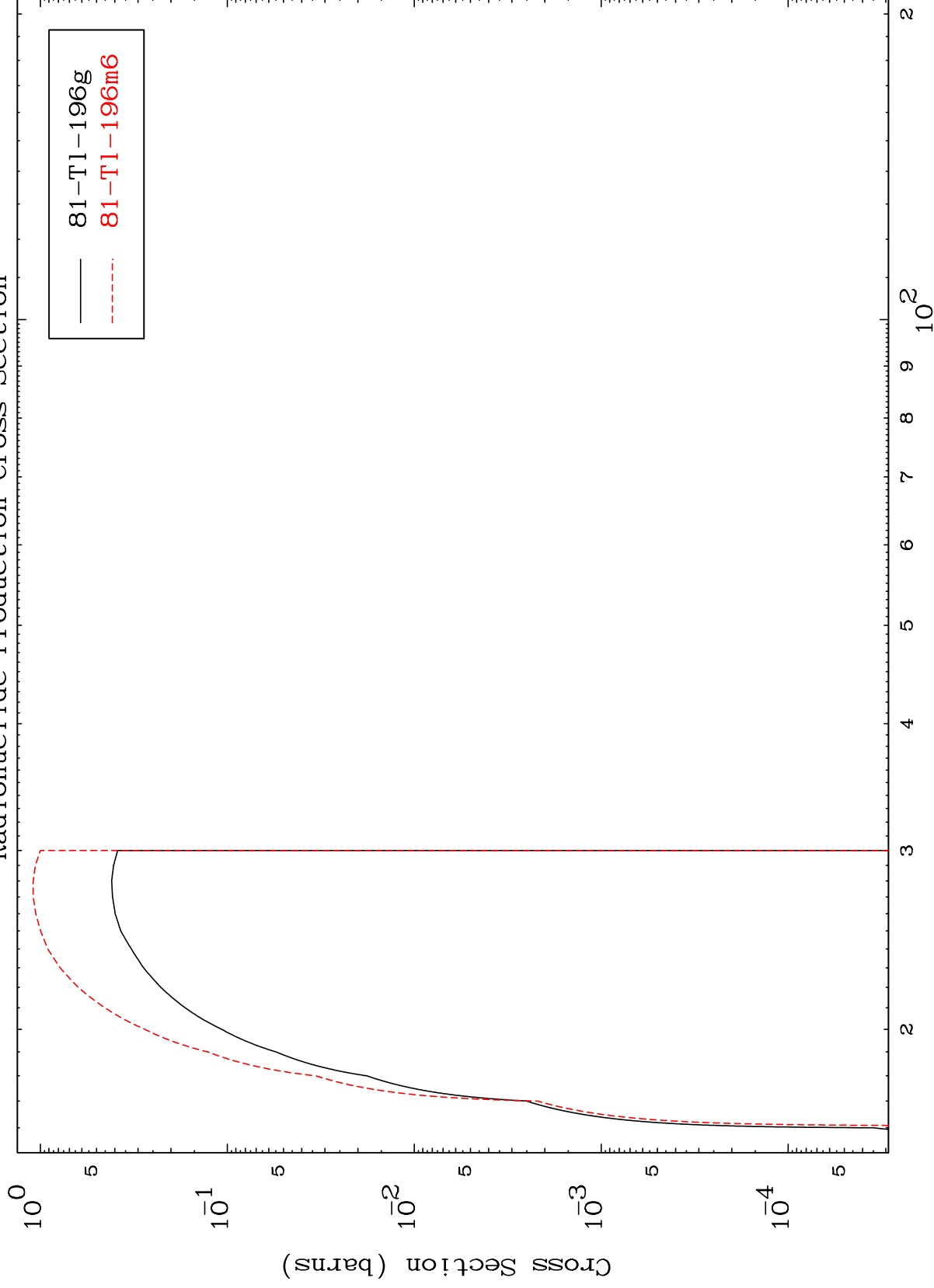
81-Tl-198

MAT 81111

(n,3n)

81-Tl-198

Radionuclide Production Cross Section



22

Incident Energy (MeV)

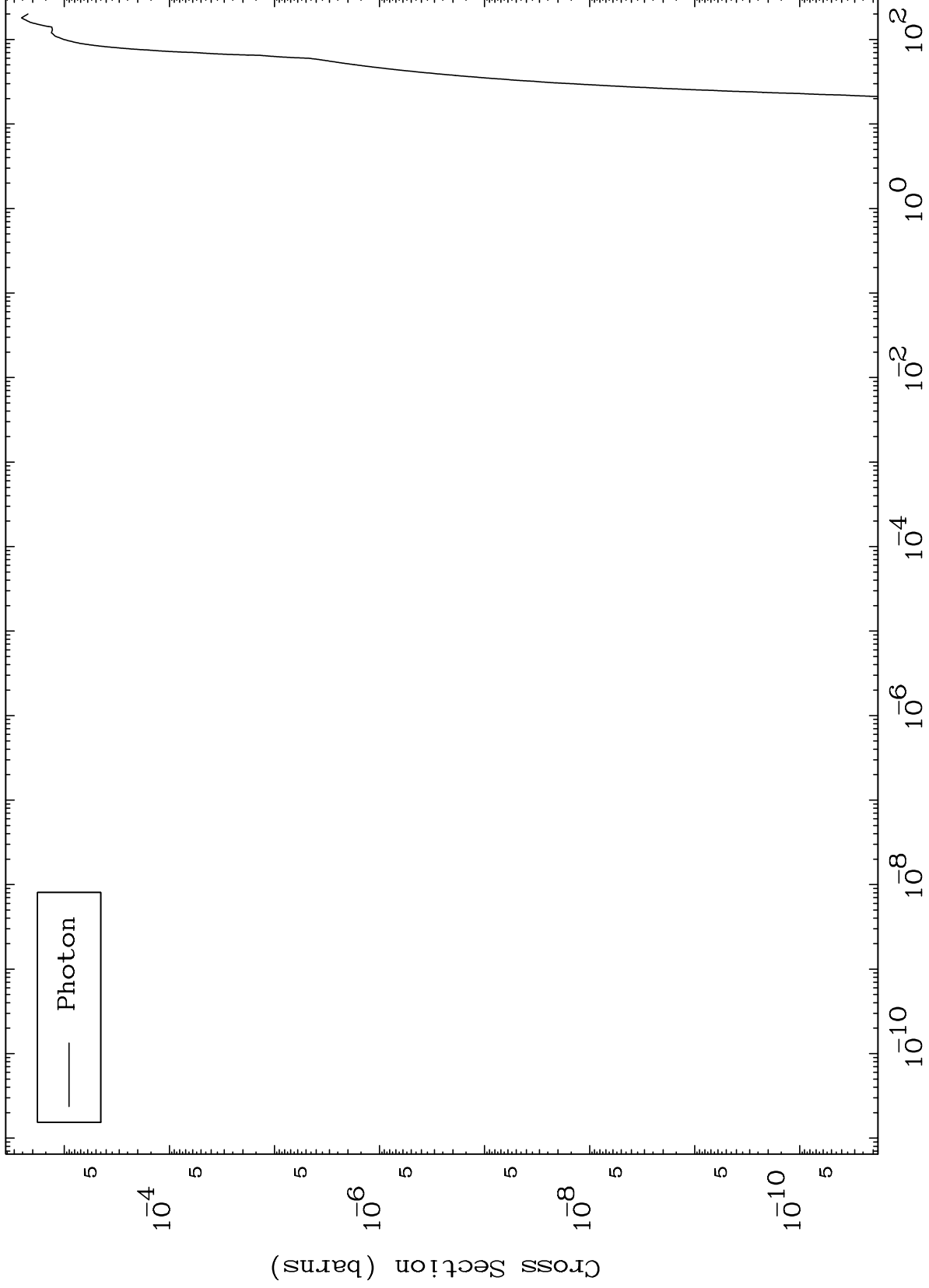
81-Tl-198

MAT 81111

Fission

81-Tl-198

Radionuclide Production Cross Section



23

Incident Energy (MeV)

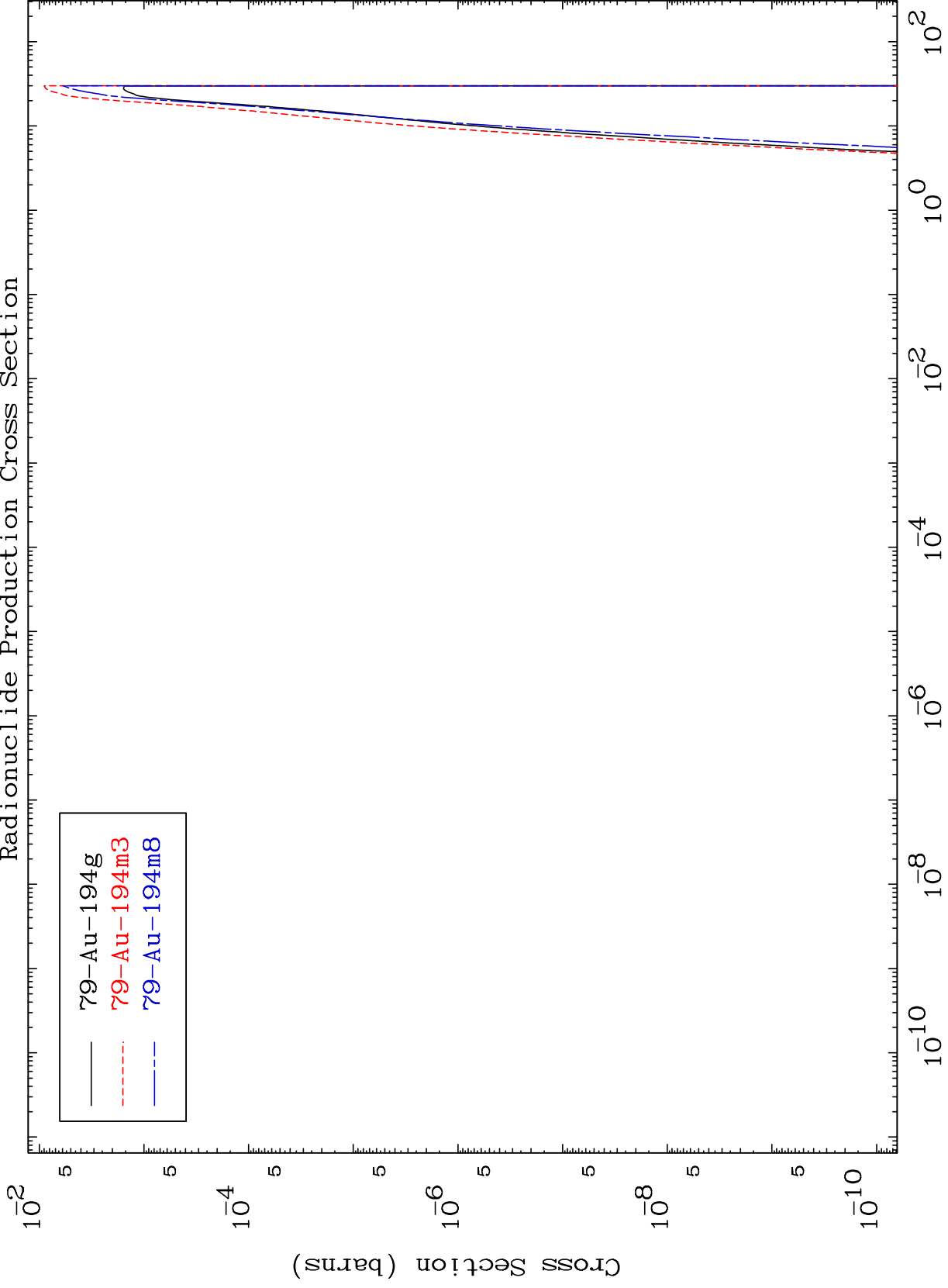
81-Tl-198

MAT 8111

$(n, n') \alpha$

81-Tl-198

Radionuclide Production Cross Section

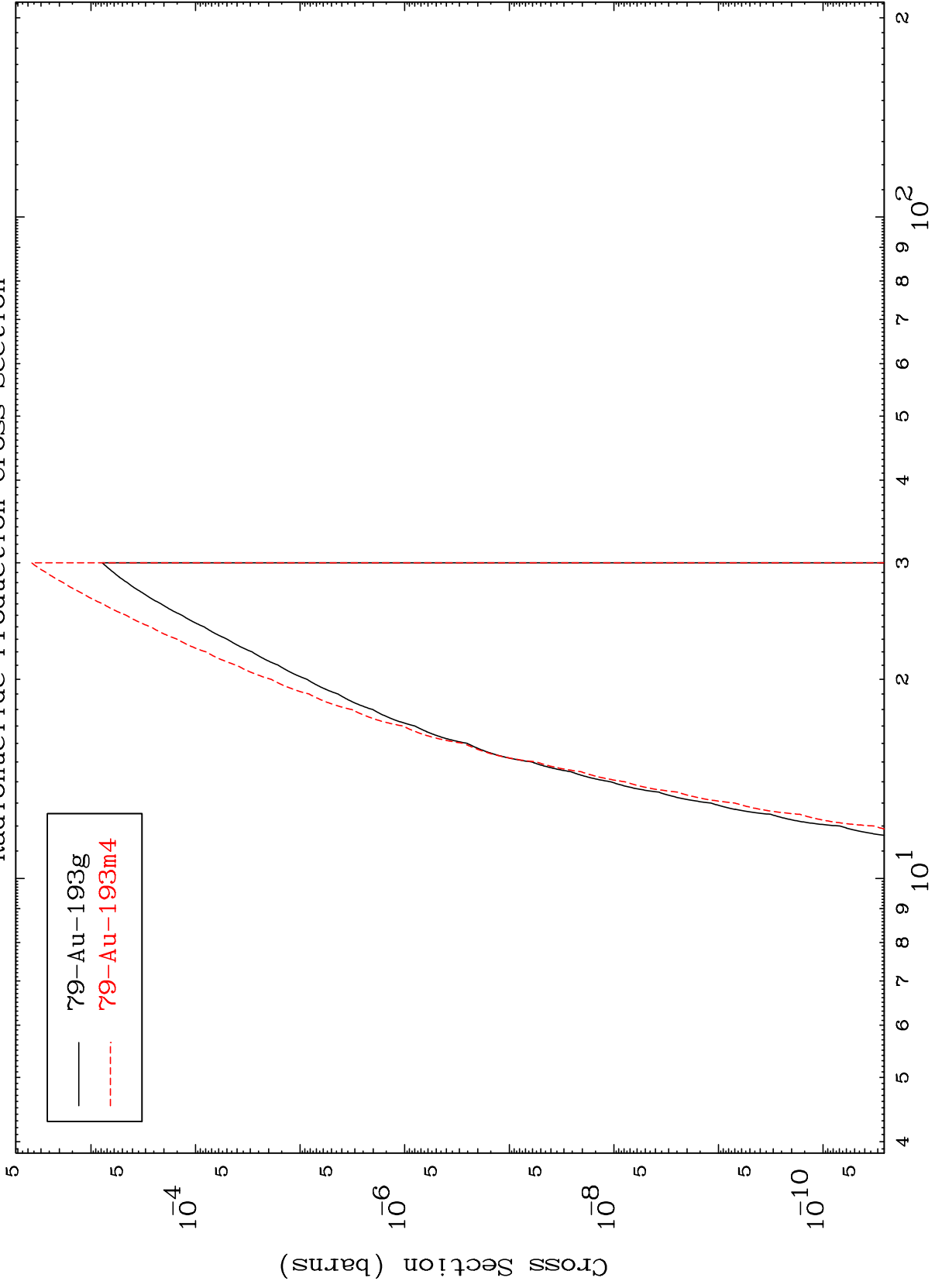


MAT 81111

81-Tl-198

(n,2n) α

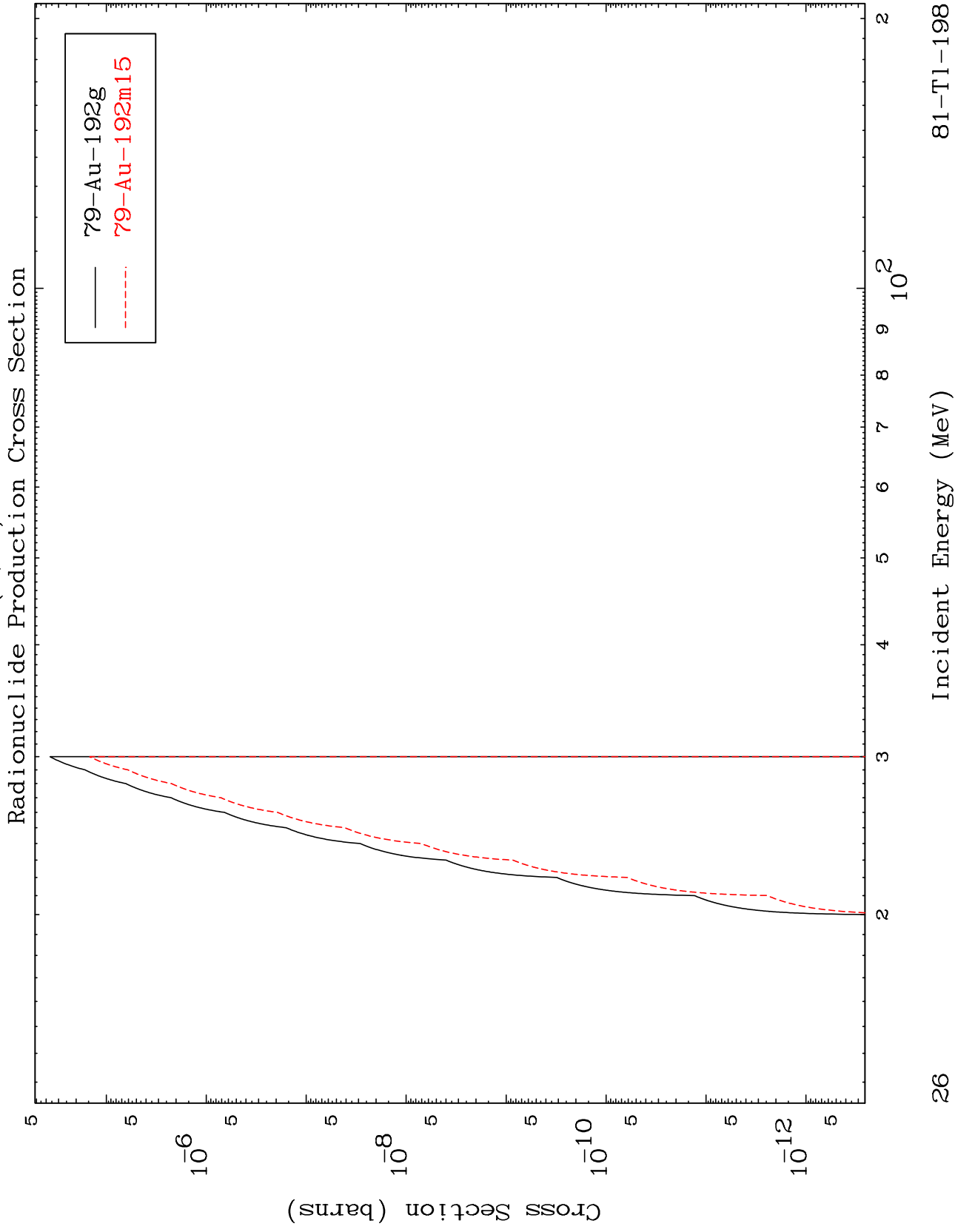
Radionuclide Production Cross Section



25

Incident Energy (MeV)

81-Tl-198

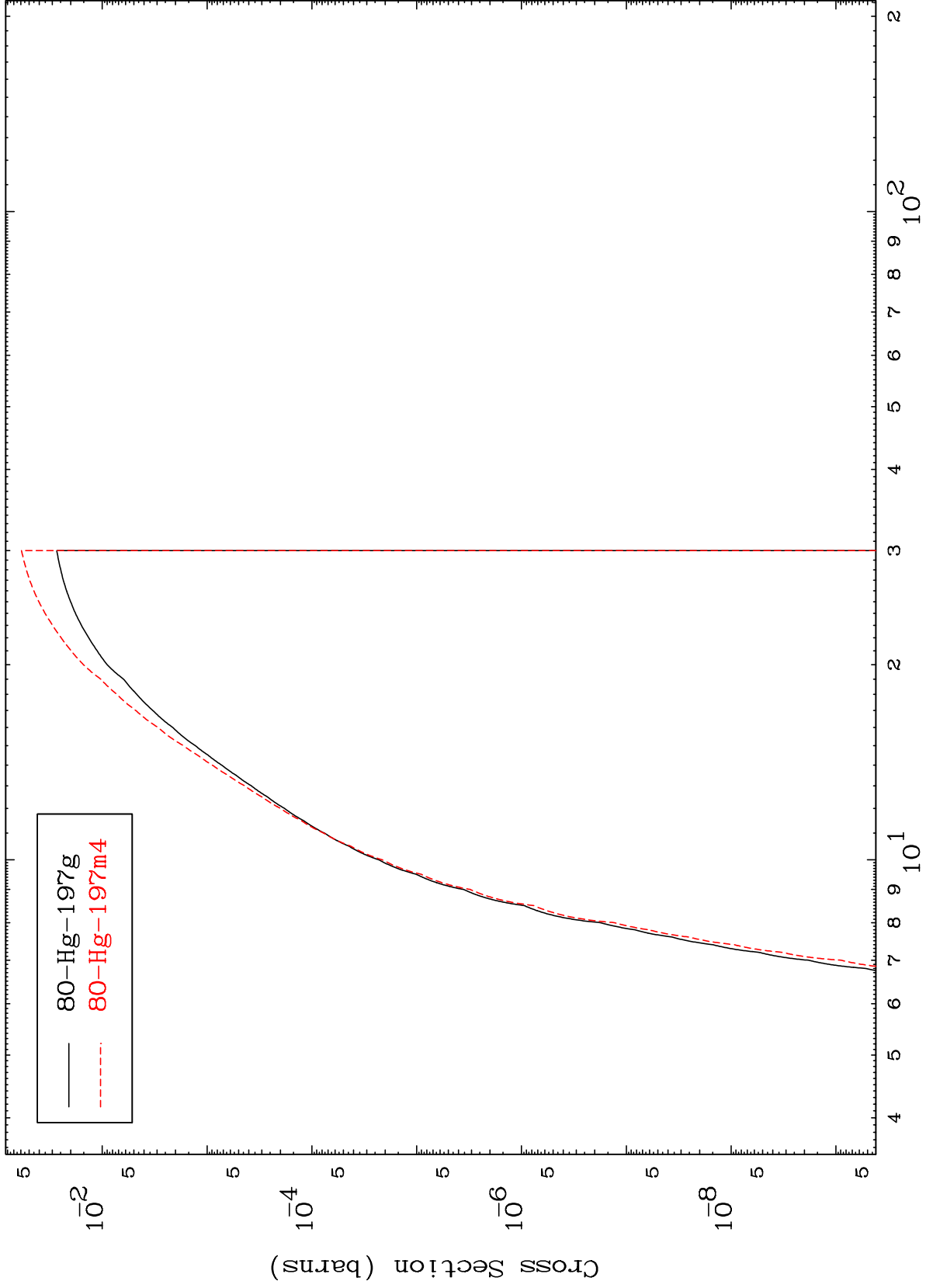


MAT 81111

(n,n') p

81-T1-198

Radionuclide Production Cross Section



27

Incident Energy (MeV)

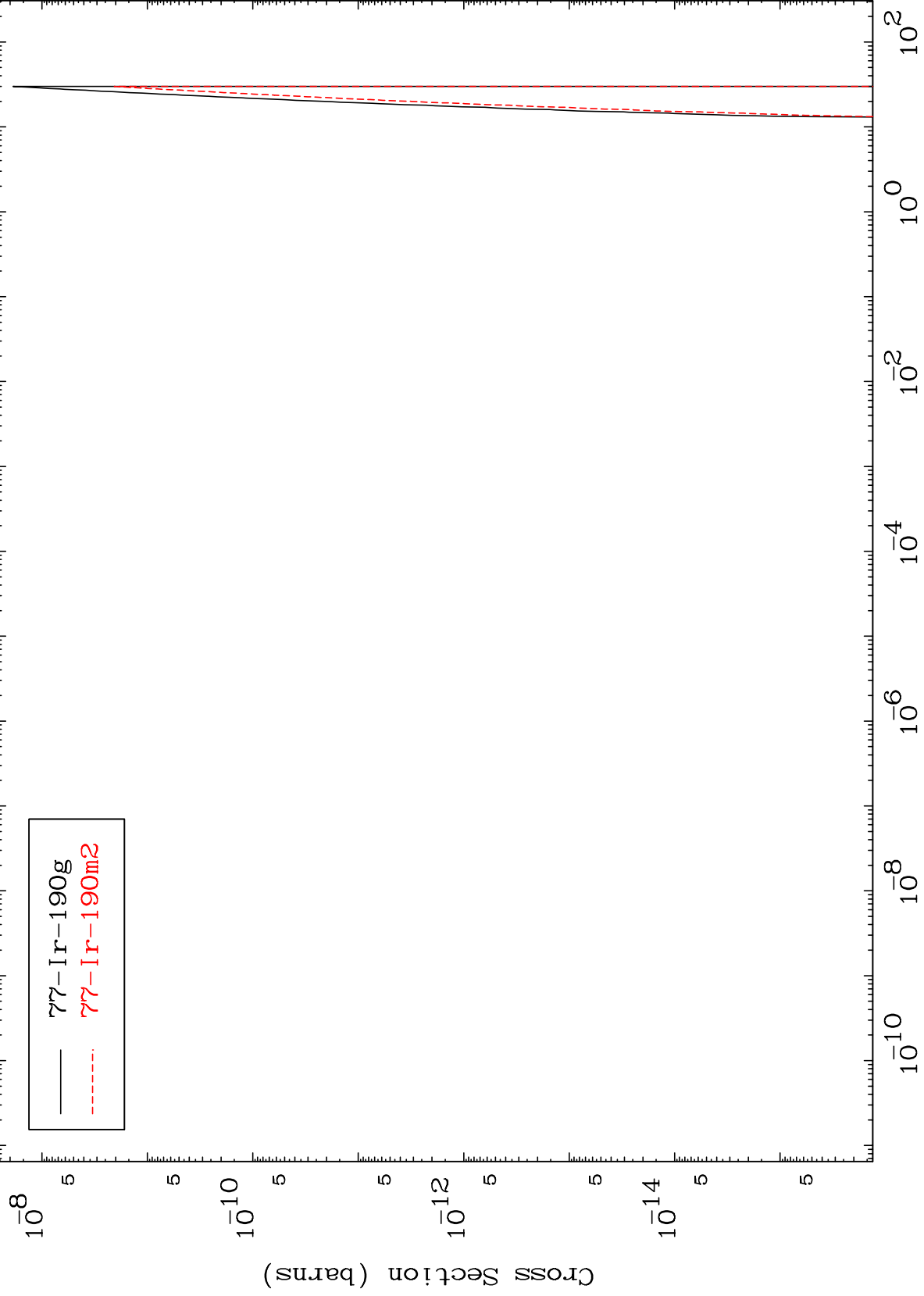
81-T1-198

MAT 81111

(n,n') 2α

81-Tl-198

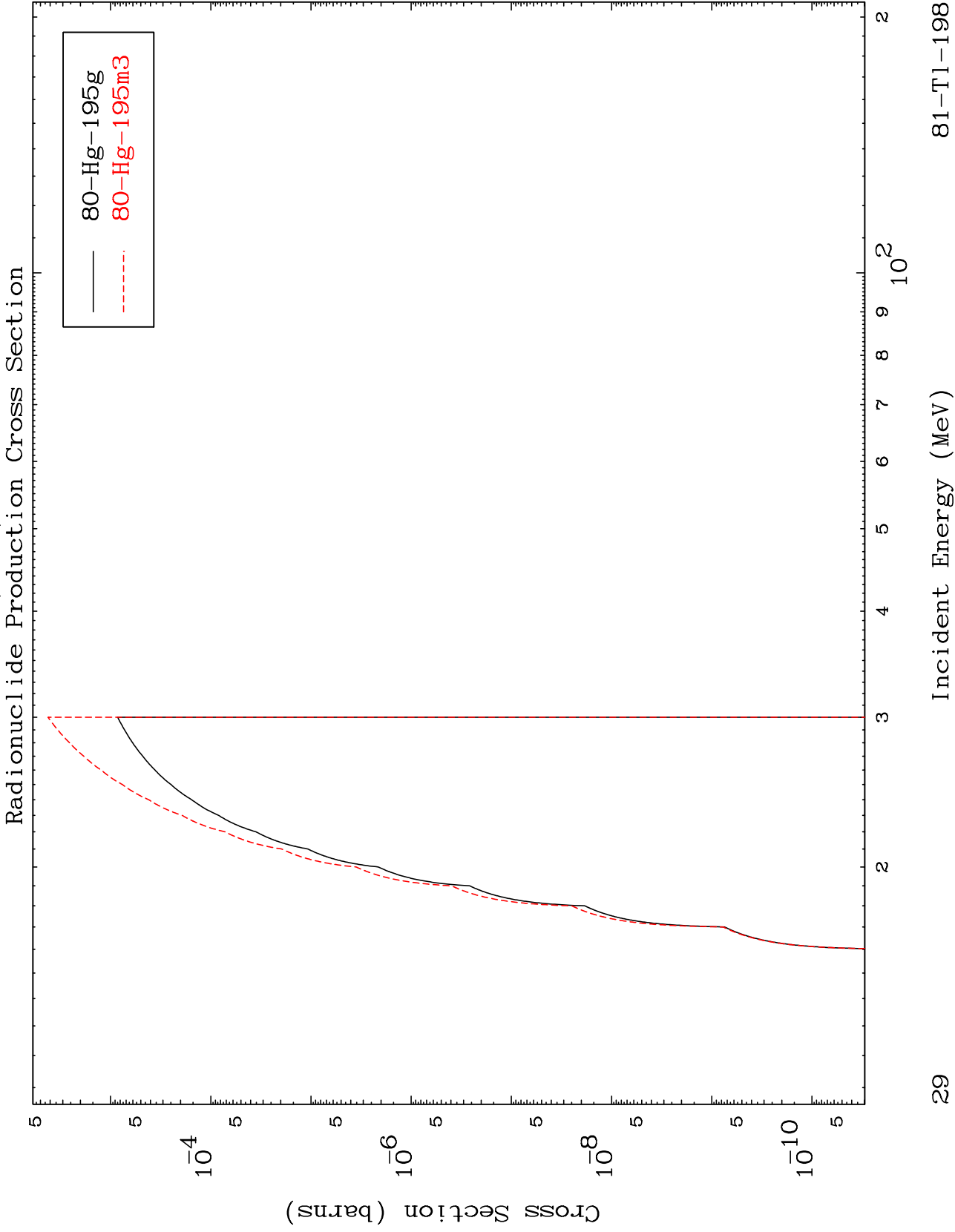
Radionuclide Production Cross Section



28

Incident Energy (MeV)

81-Tl-198

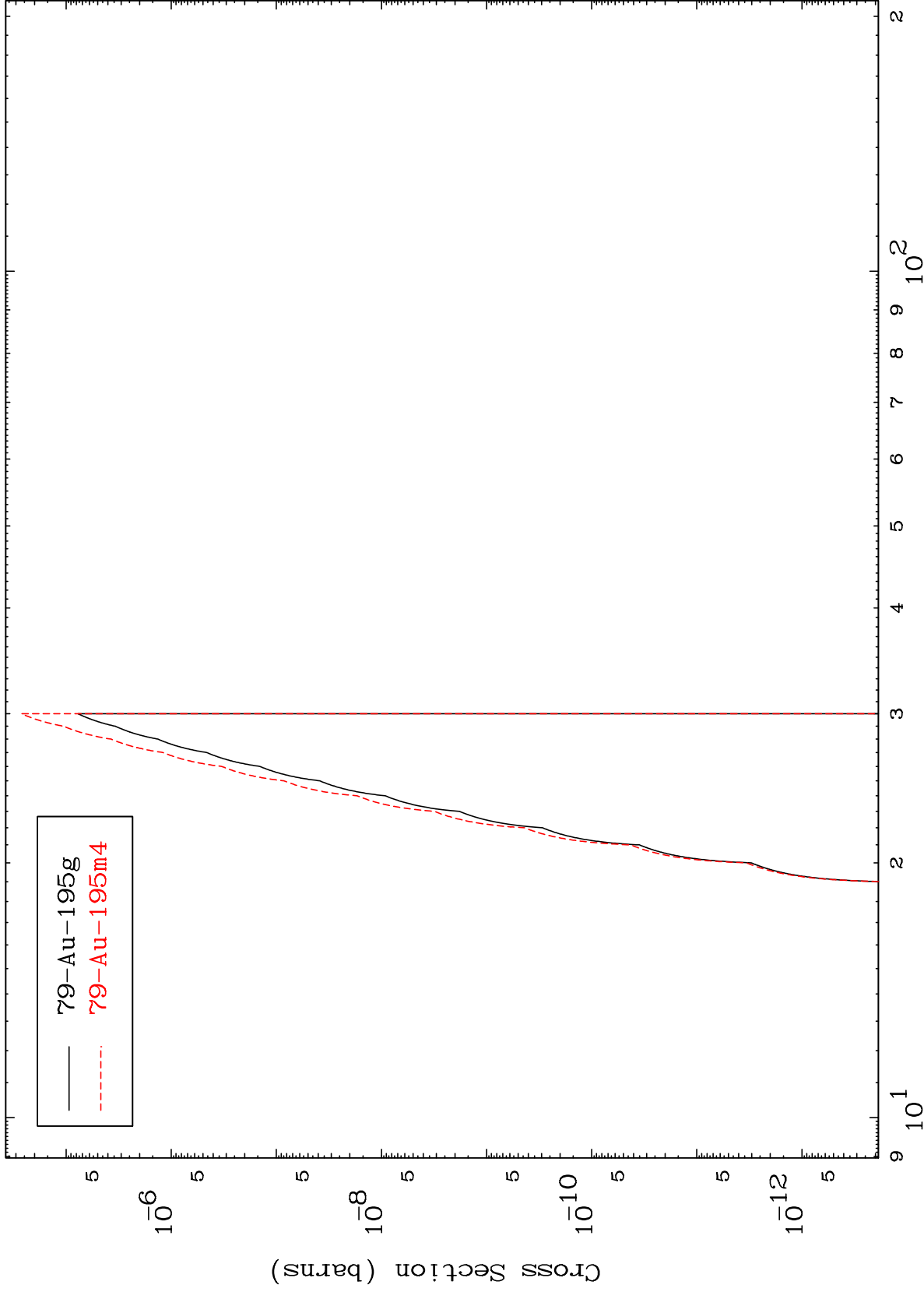


MAT 8111

(n,n') He-3

81-T1-198

Radionuclide Production Cross Section



30

Incident Energy (MeV)

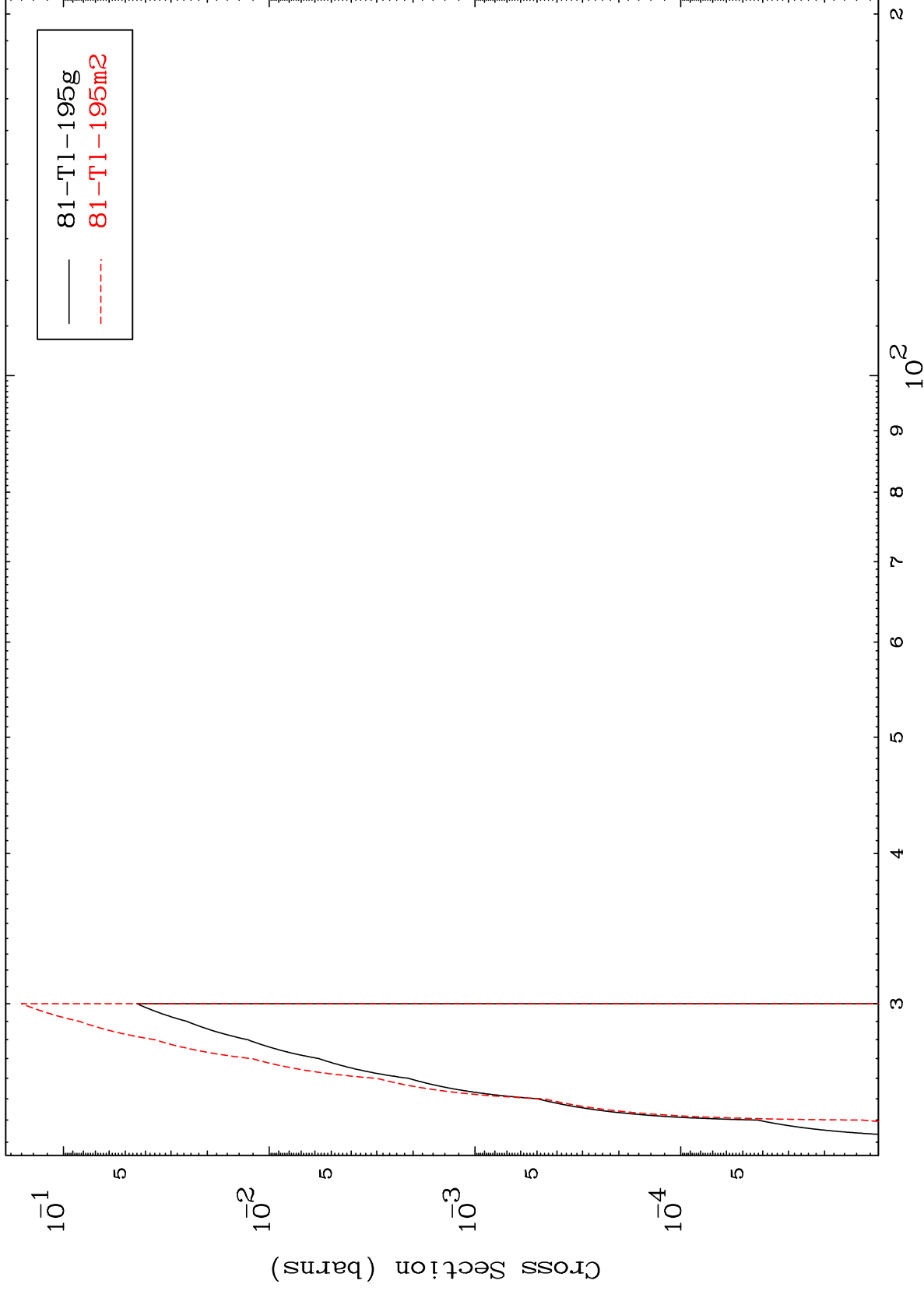
81-T1-198

MAT 81111

(n,4n)

81-Tl-198

Radionuclide Production Cross Section



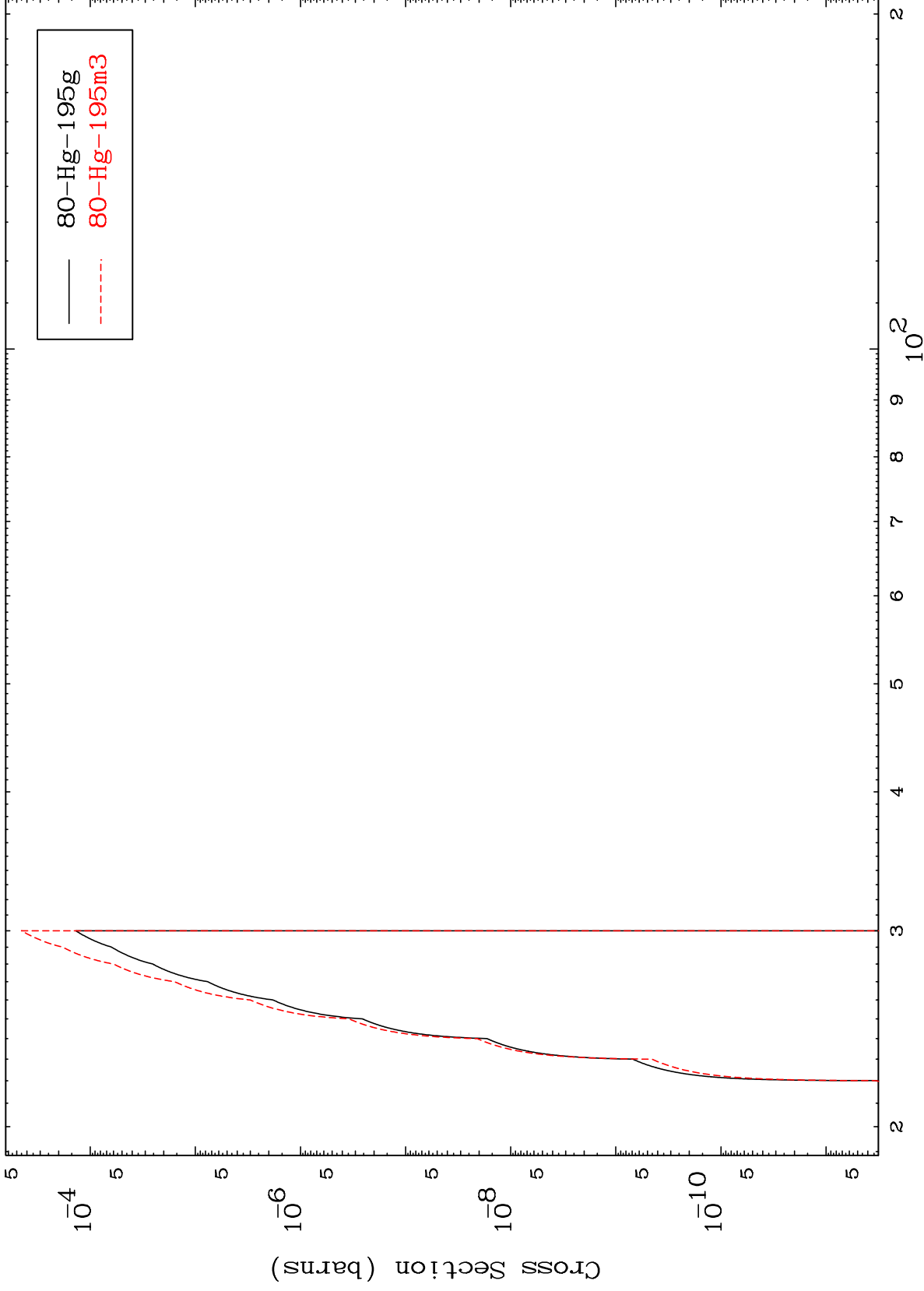
81-Tl-195g
81-Tl-195m2

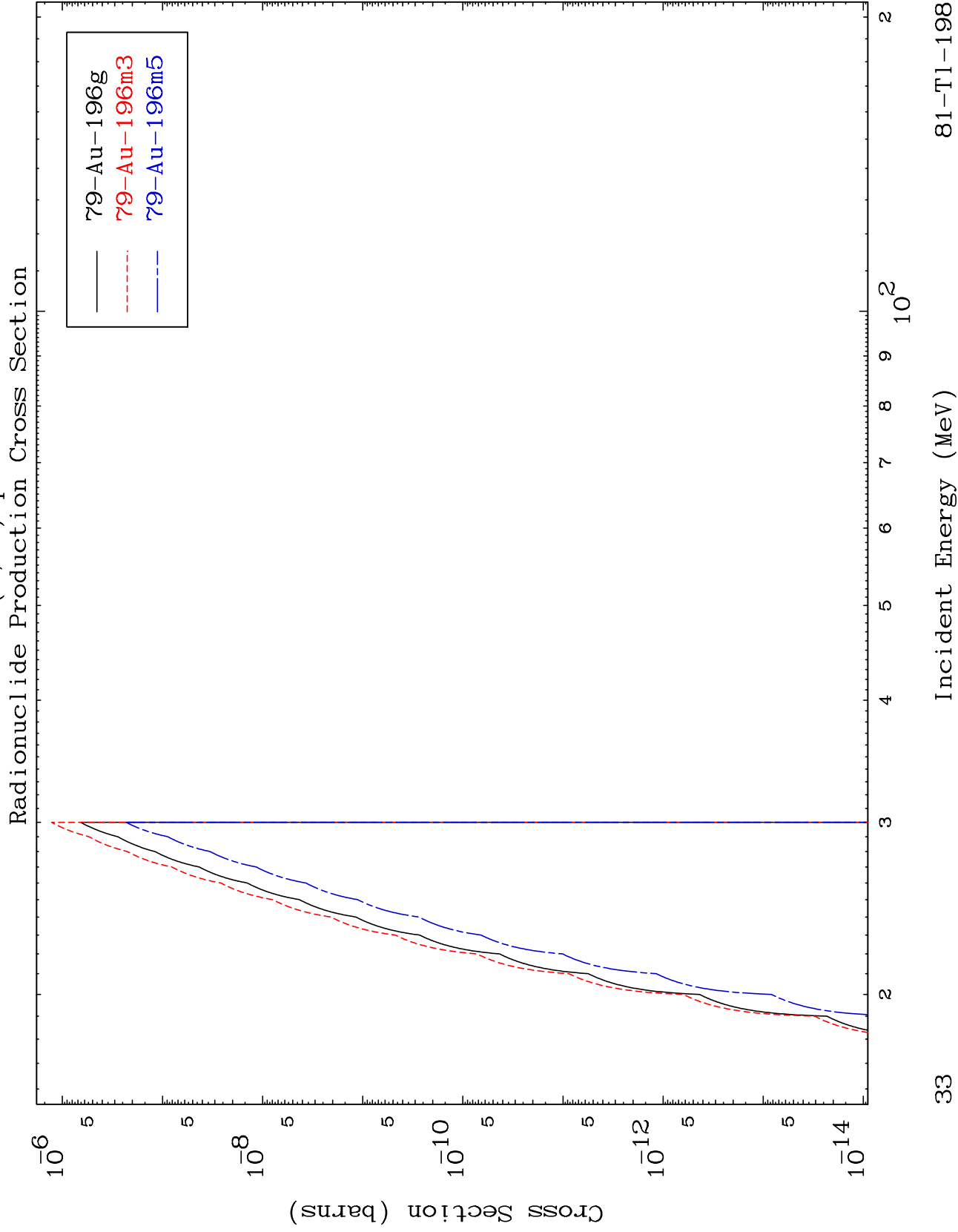
31

Incident Energy (MeV)

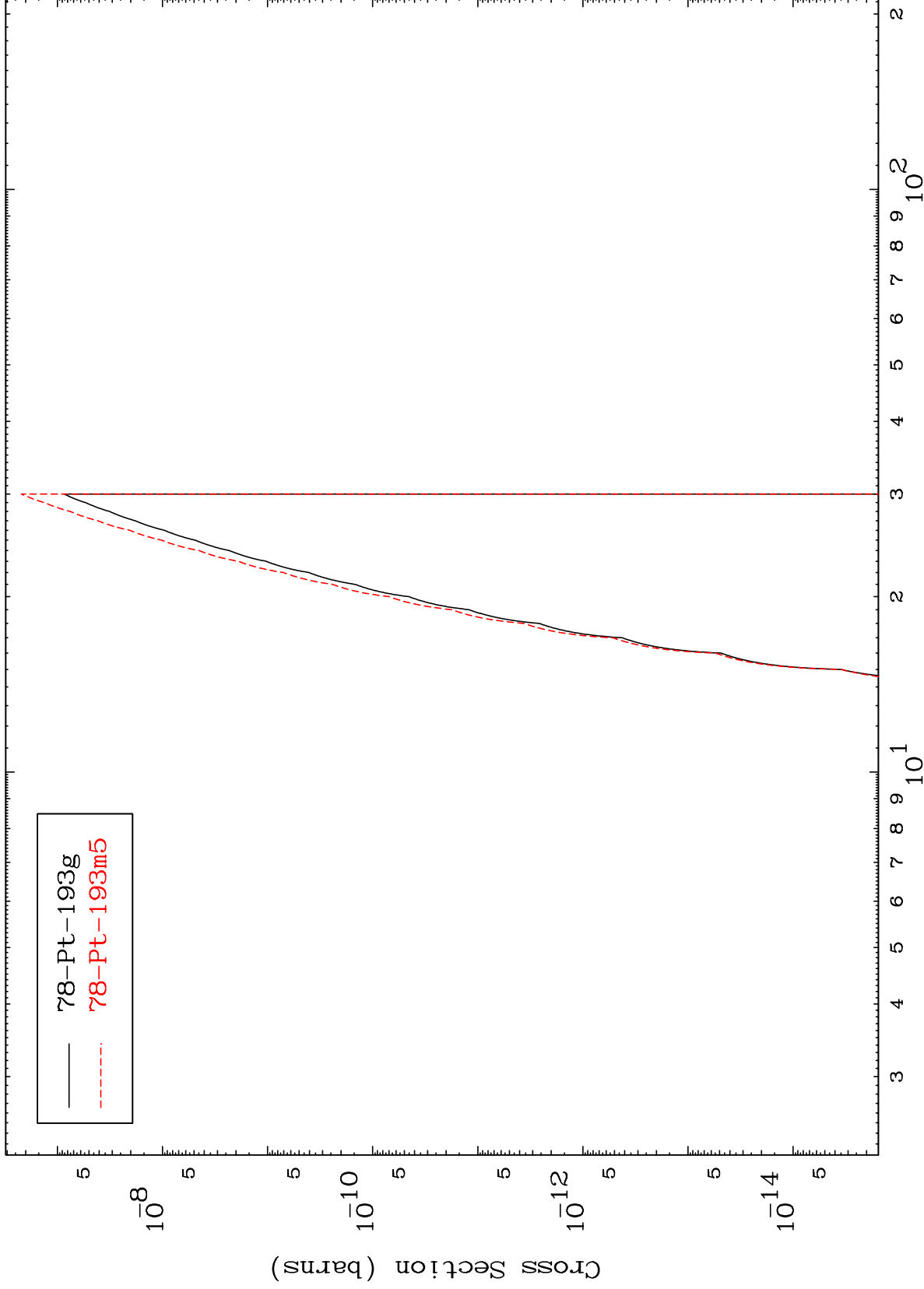
81-Tl-198

Radionuclide Production Cross Section





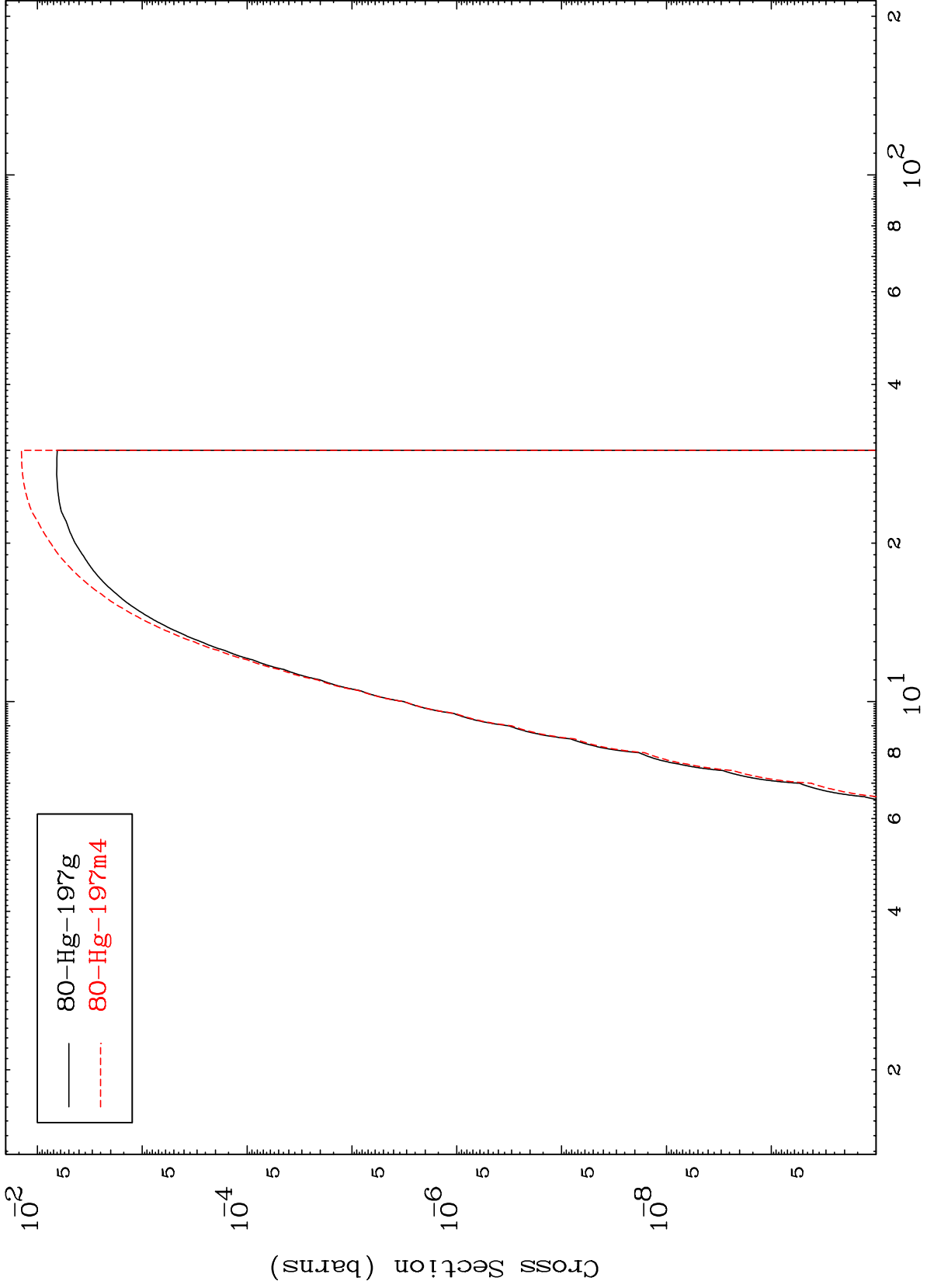
Radionuclide Production Cross Section



MAT 81111

81-Tl-198

(n,d)
Radionuclide Production Cross Section

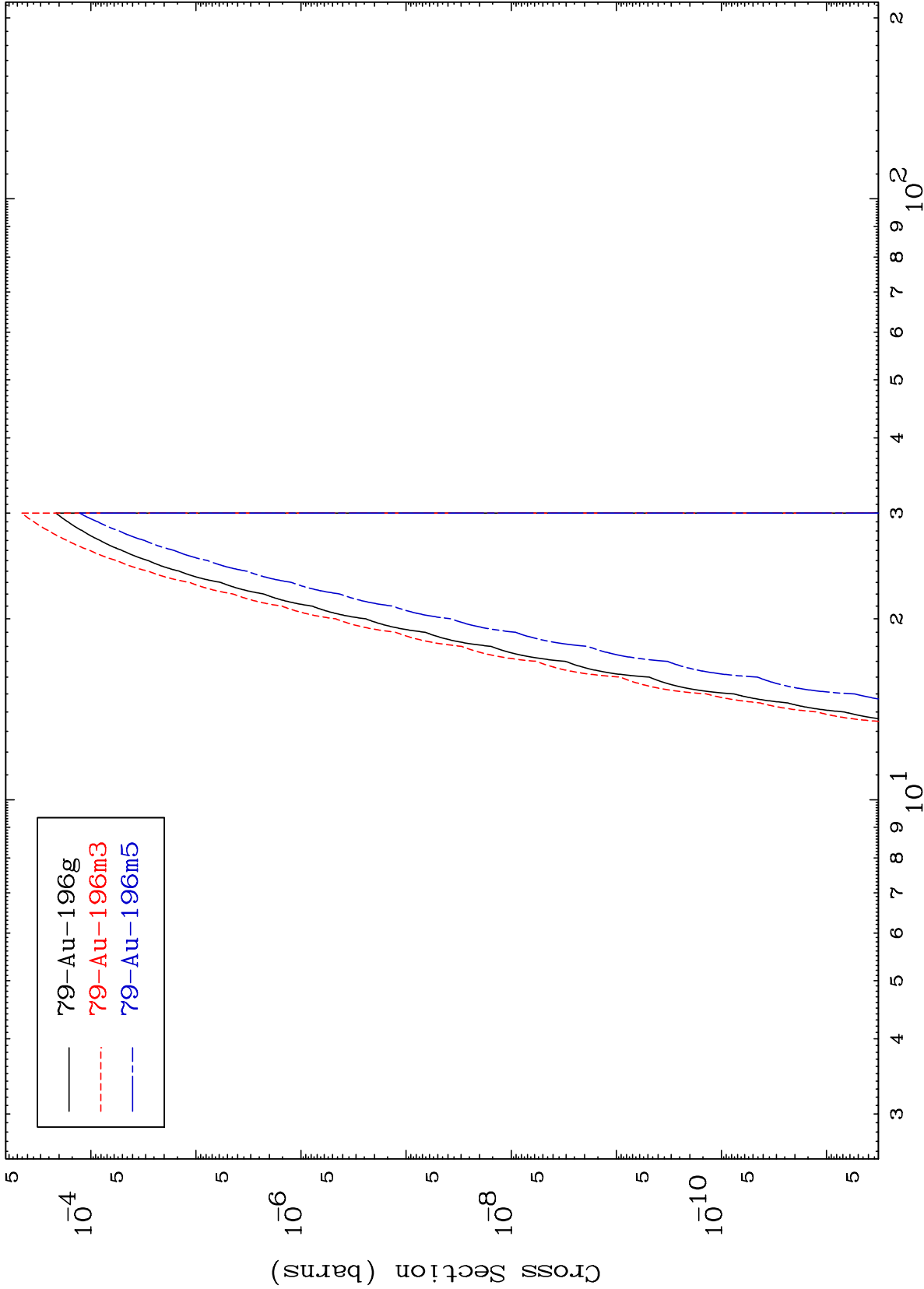


35

81-Tl-198

Incident Energy (MeV)

Radionuclide Production Cross Section

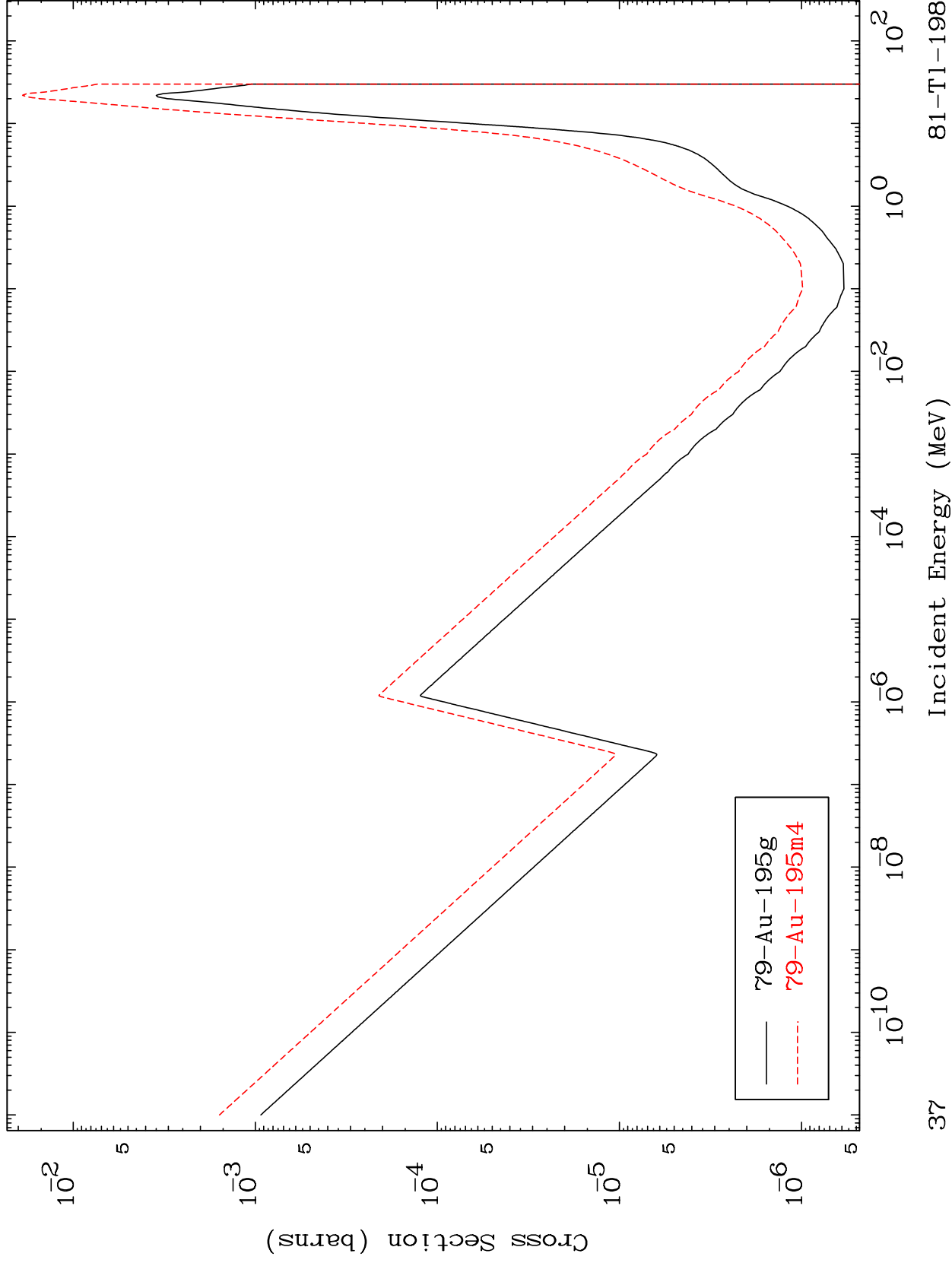


MAT 81111

(n, α)

81-Tl-198

Radionuclide Production Cross Section



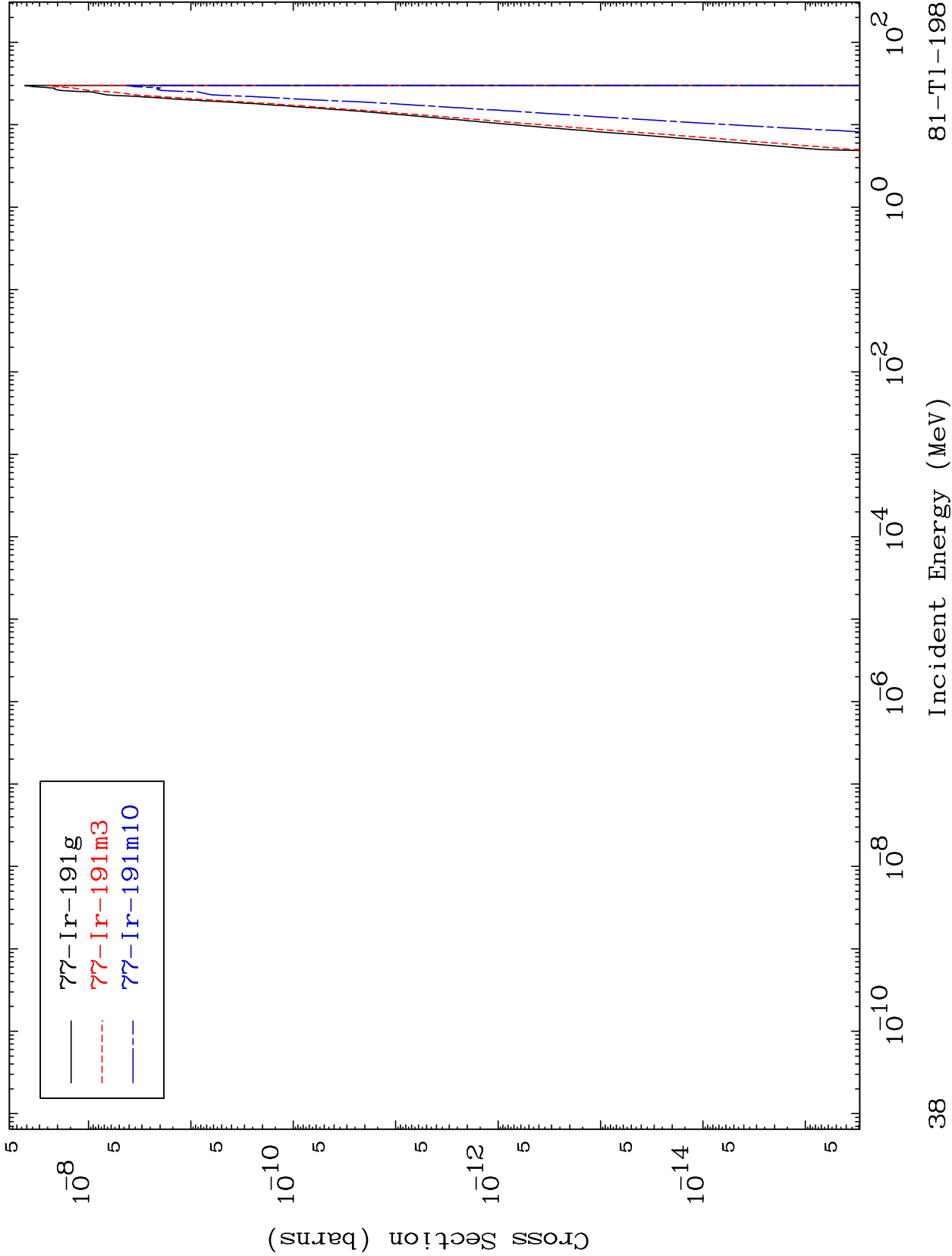
37

MAT 81111

(n,2α)

81-Tl-198

Radionuclide Production Cross Section

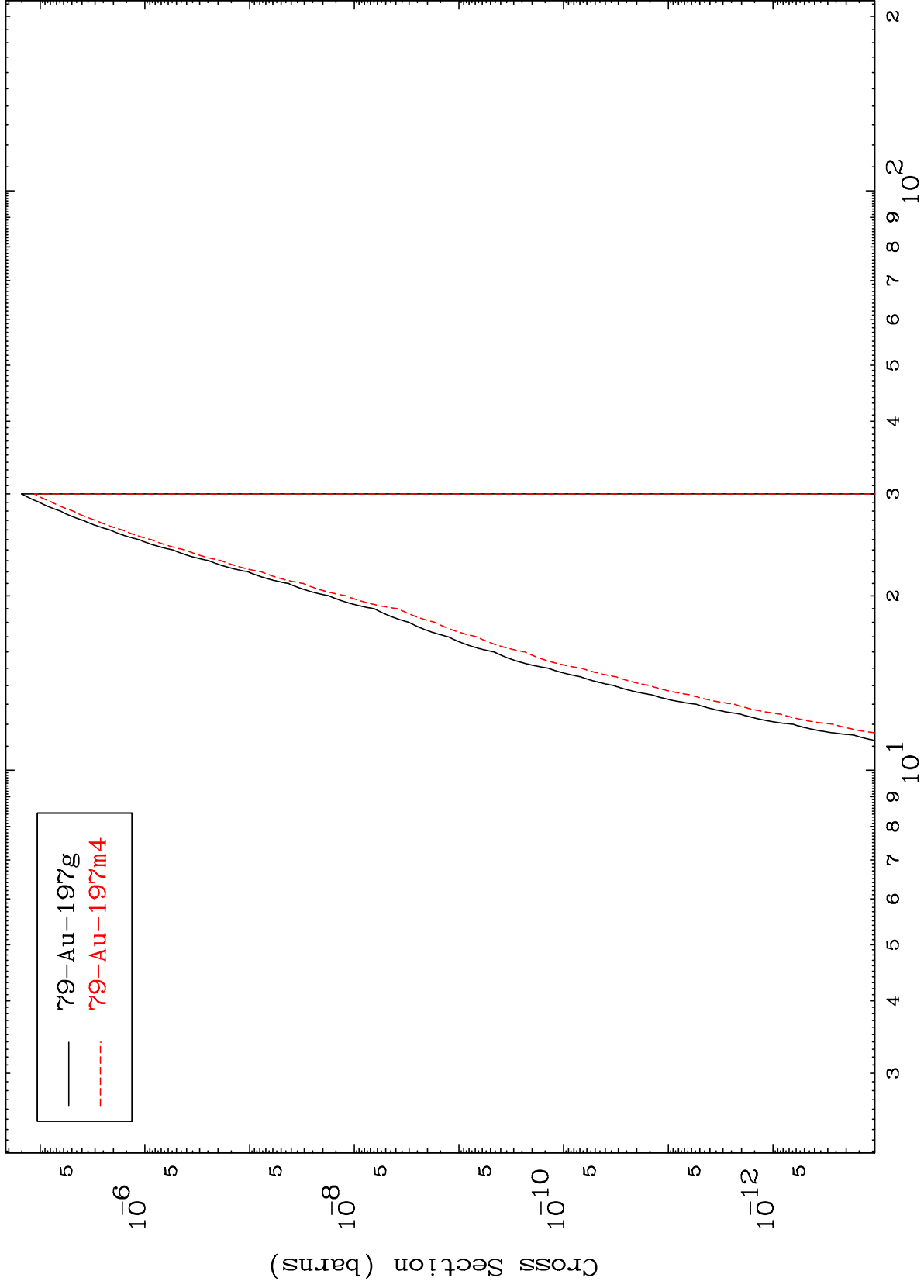


77-Ir-191g
77-Ir-191m3
77-Ir-191m10

MAT 81111

81-Tl-198

(n,2p)
Radionuclide Production Cross Section



39

Incident Energy (MeV)

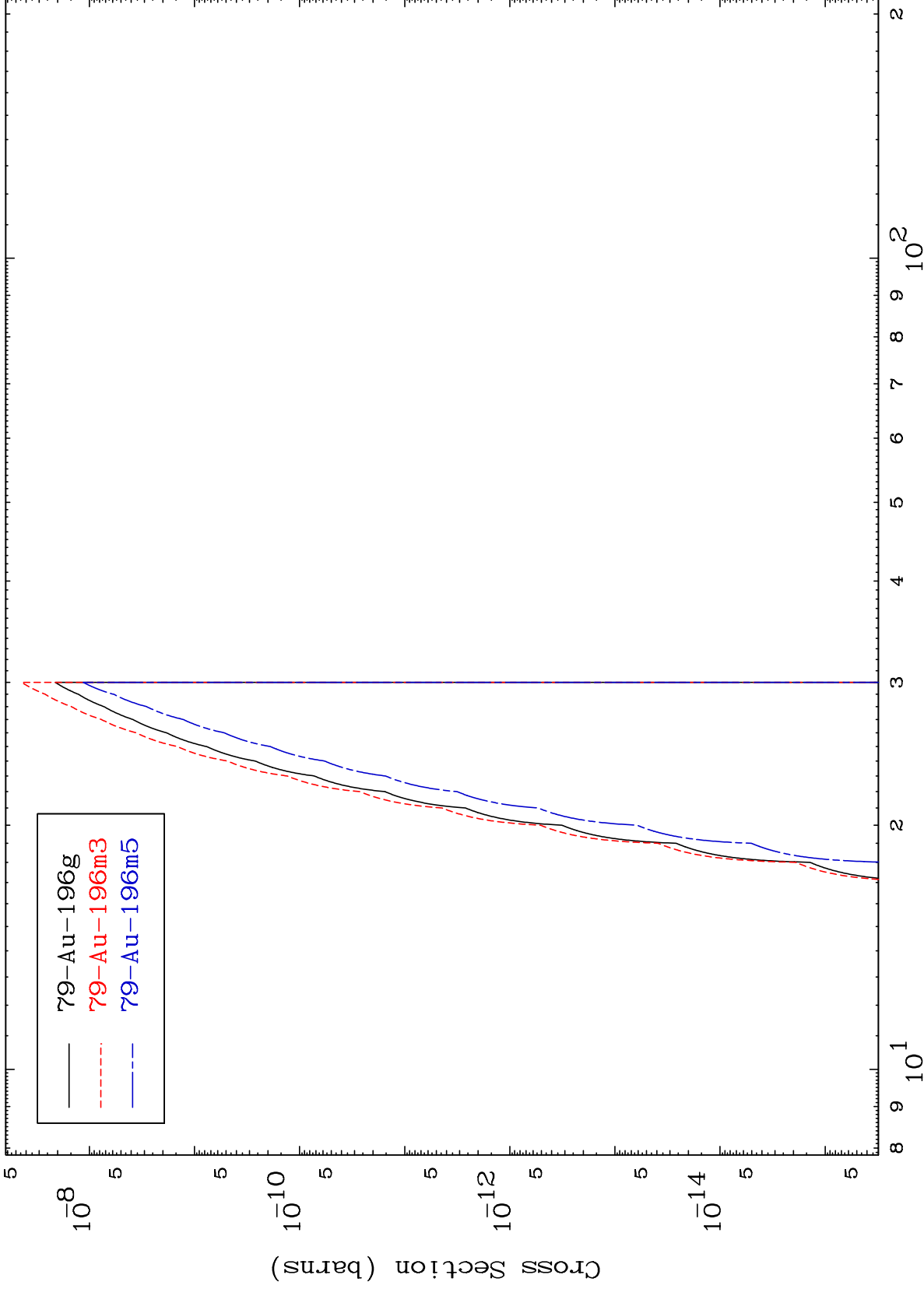
81-Tl-198

MAT 81111

(n,p) d

81-Tl-198

Radionuclide Production Cross Section



40

Incident Energy (MeV)

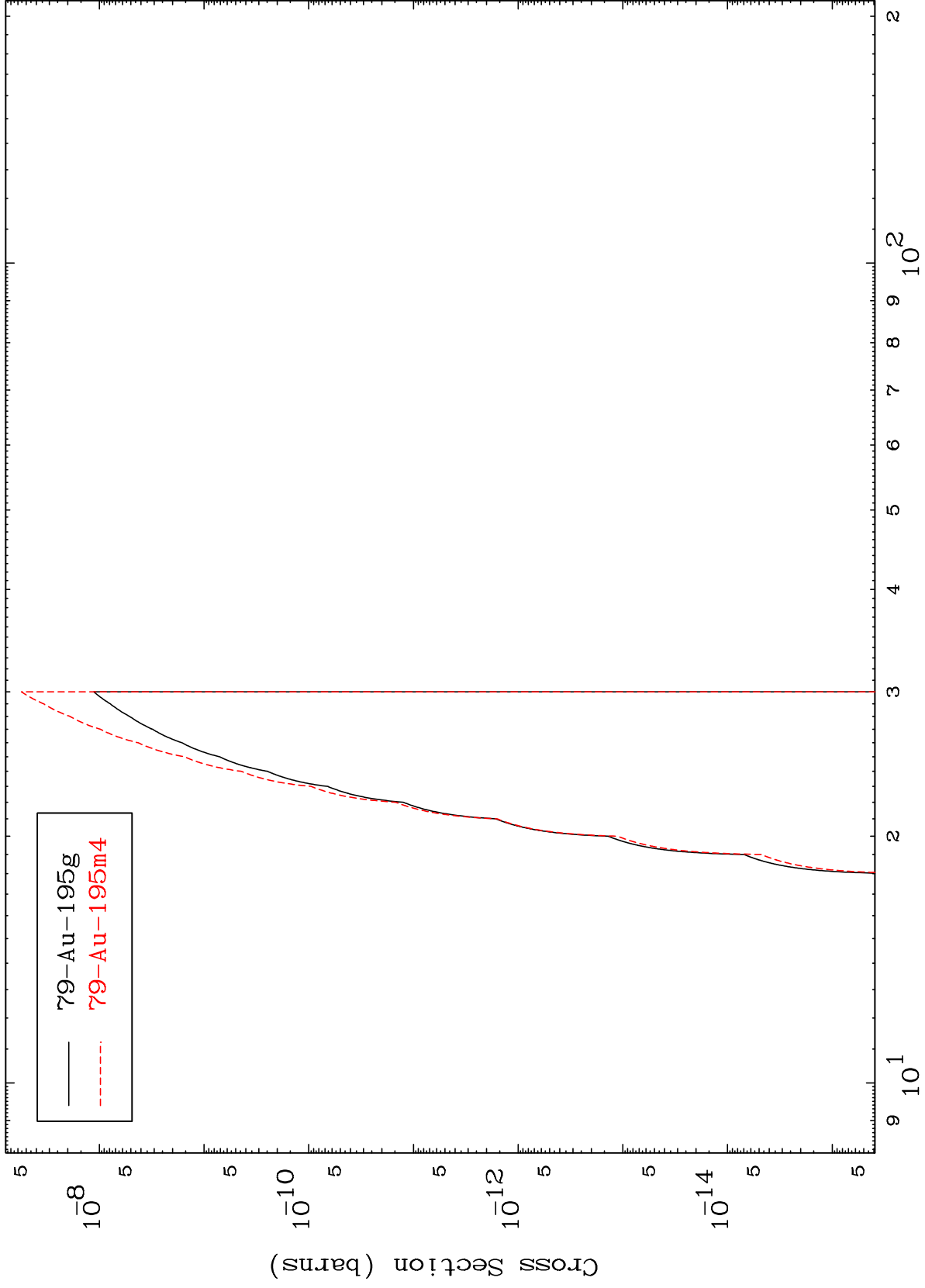
81-Tl-198

MAT 81111

(n,p) t

81-Tl-198

Radionuclide Production Cross Section



MAT 81111

(n,d) α

81-Tl-198

Radionuclide Production Cross Section

