

Program EVALPLOT
(Version 2021-1)

by

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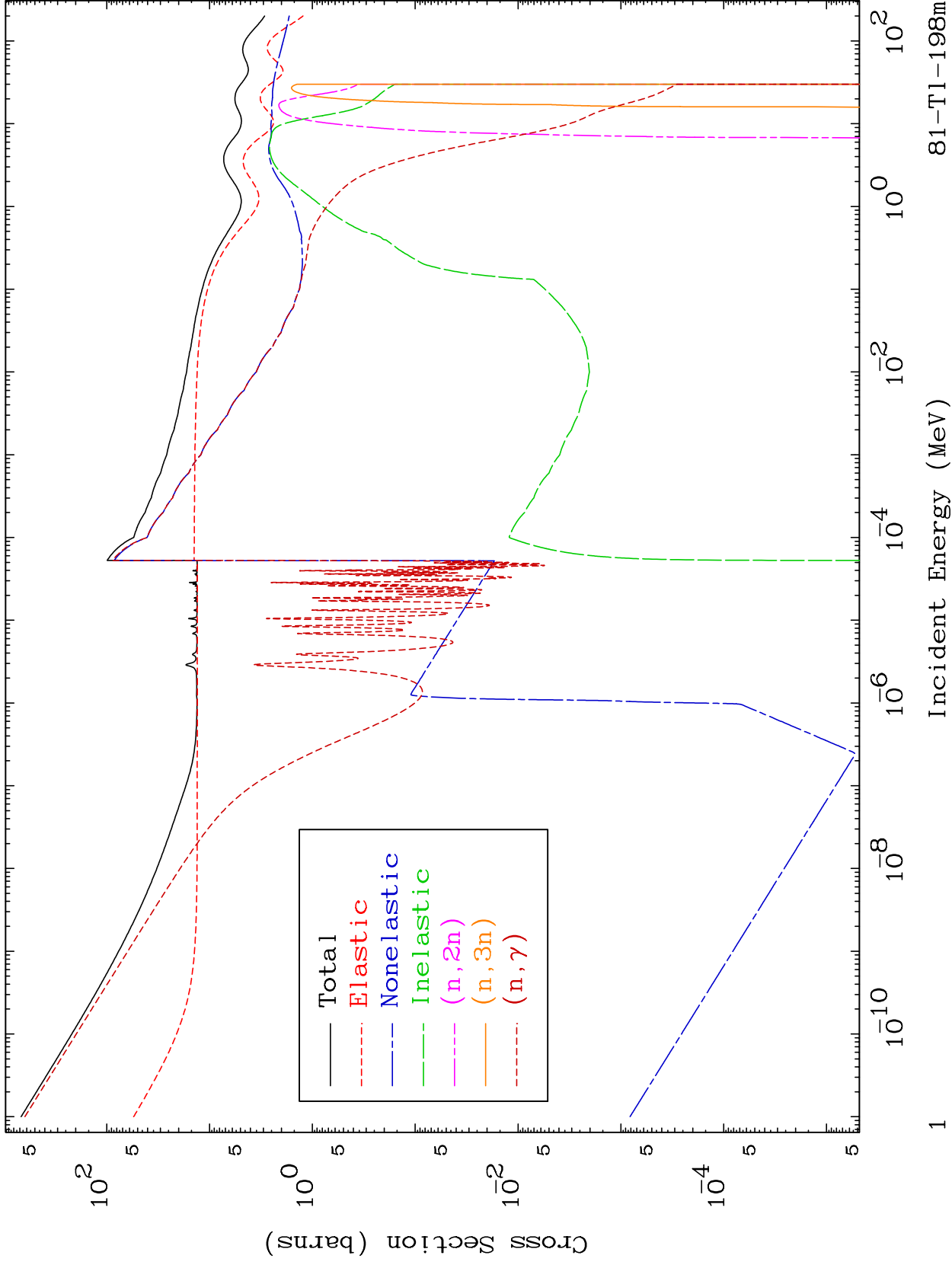
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8111

Neutron Major
293 Kelvin Cross Sections

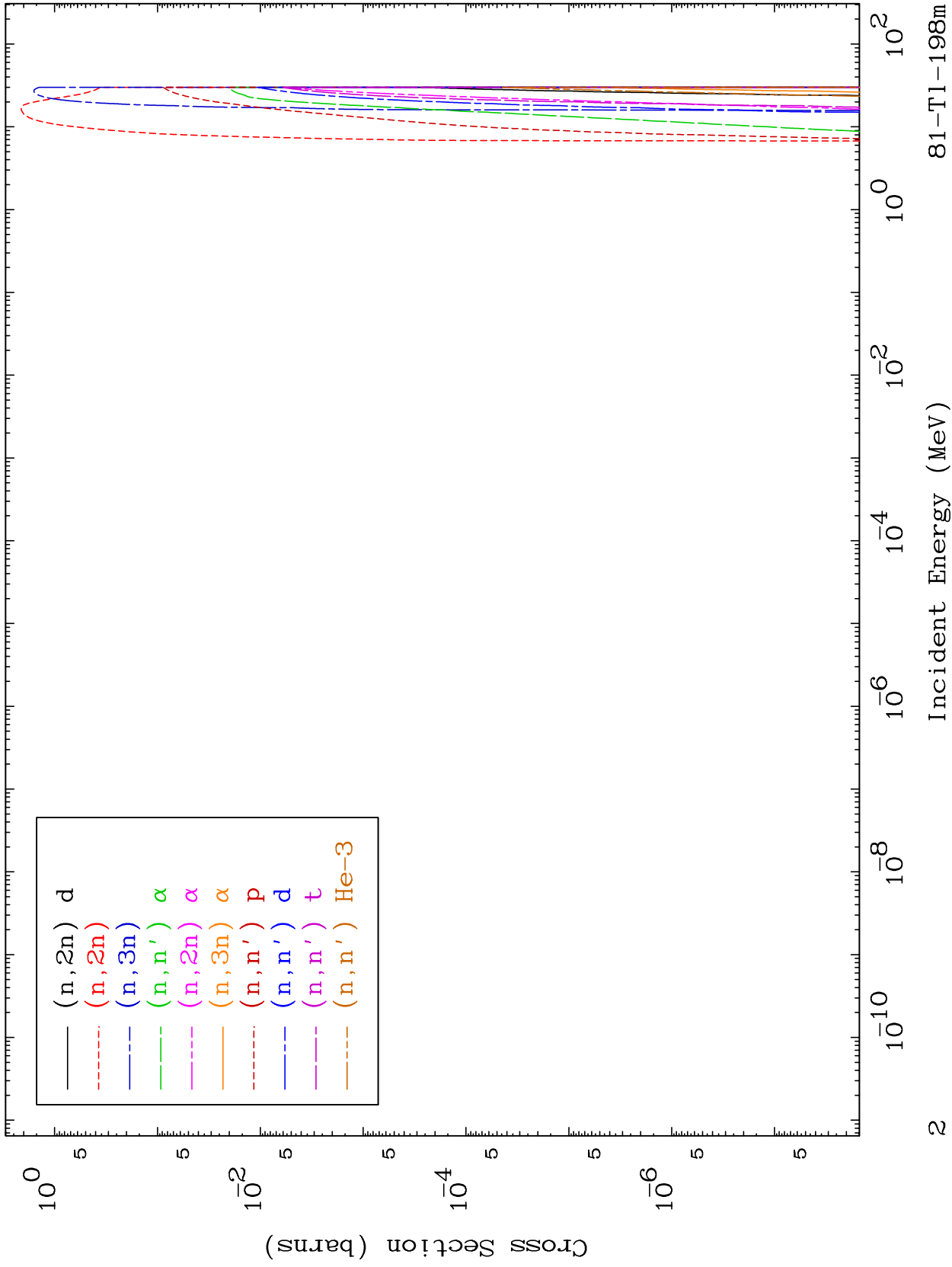
81-TI-198m



MAT 8111

Neutron Absorption
293 Kelvin Cross Sections

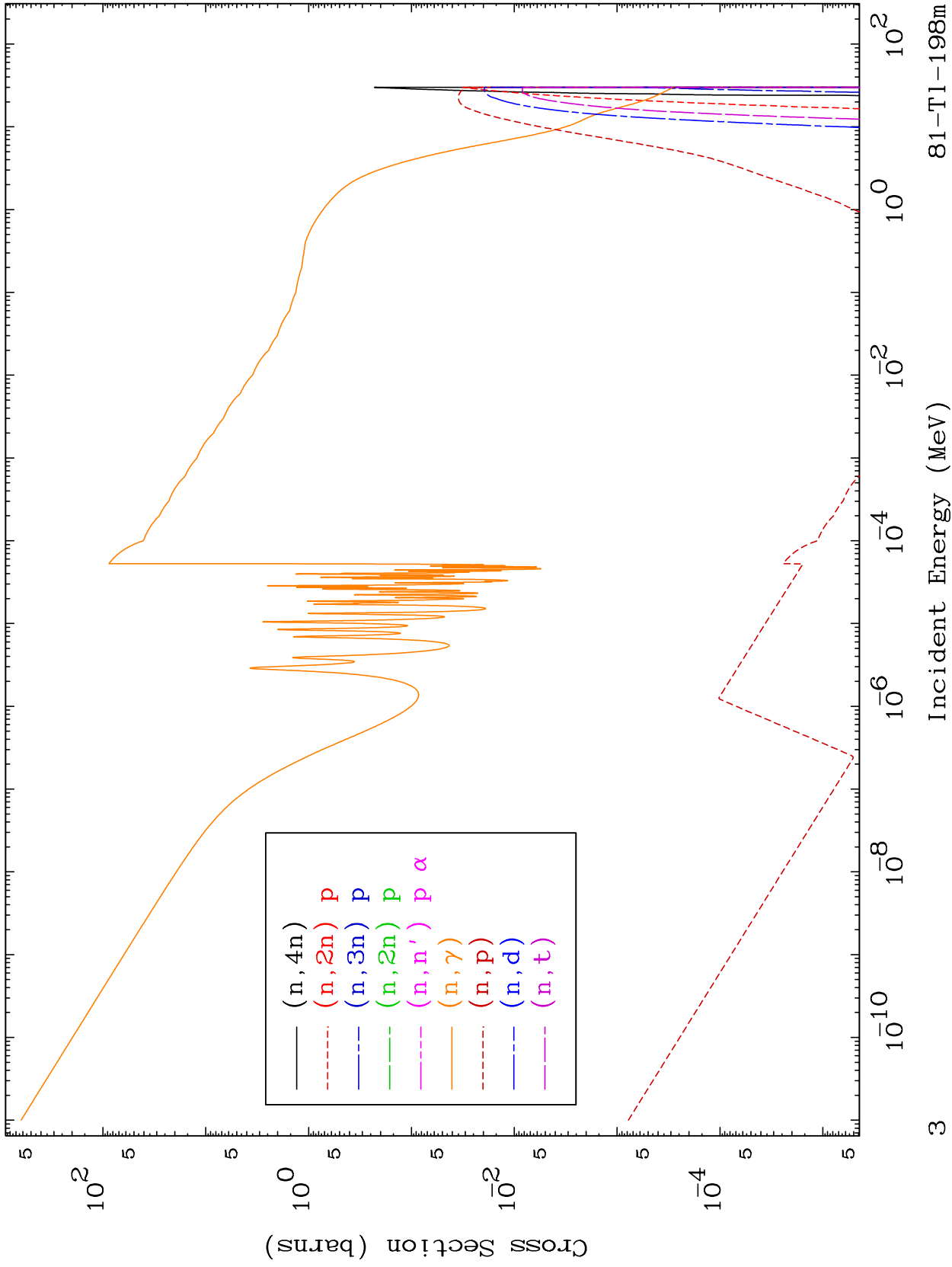
81-Tl-198m



MAT 81111

Neutron Absorption
293 Kelvin Cross Sections

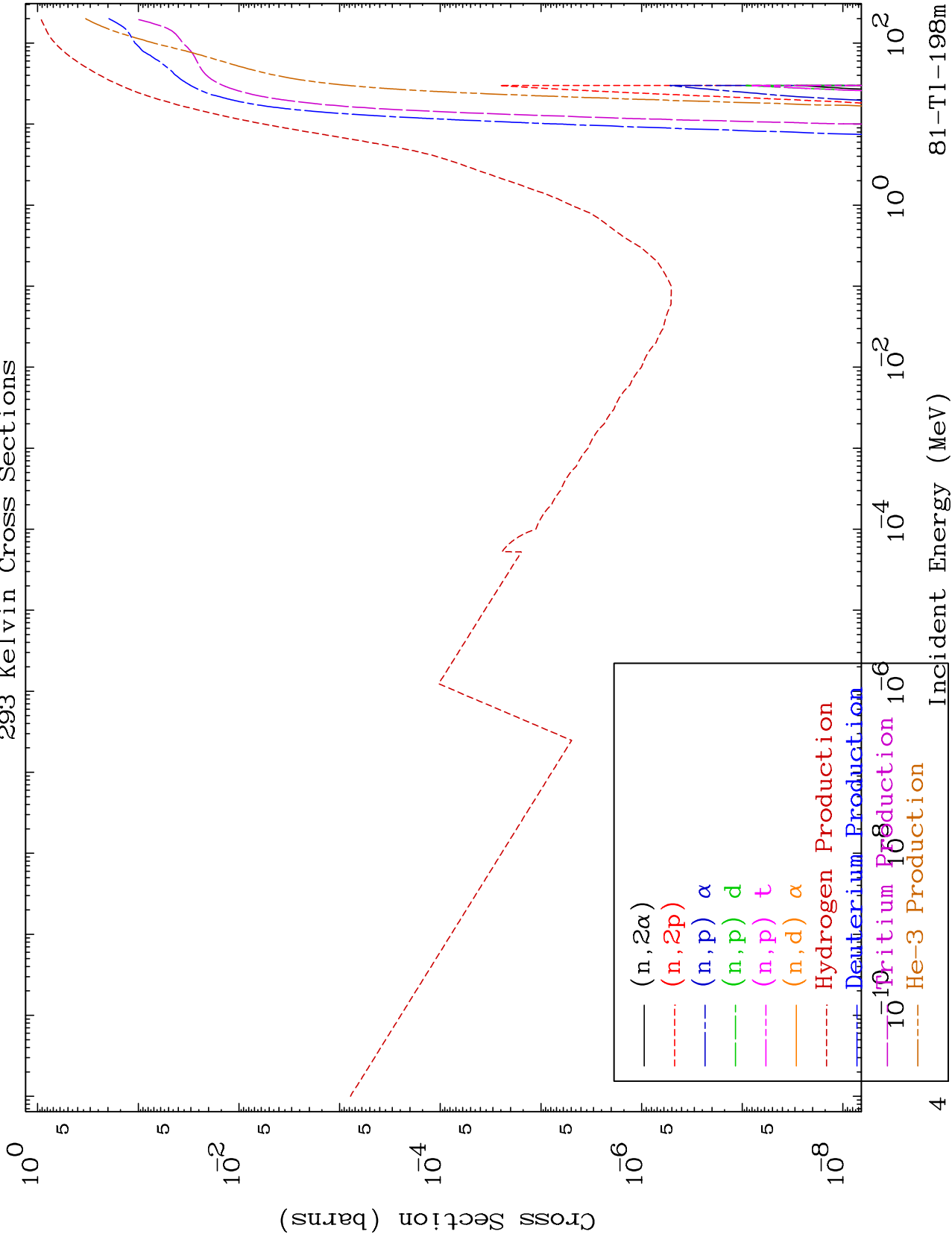
81-TI-198m



MAT 81111

Neutron Absorption
293 Kelvin Cross Sections

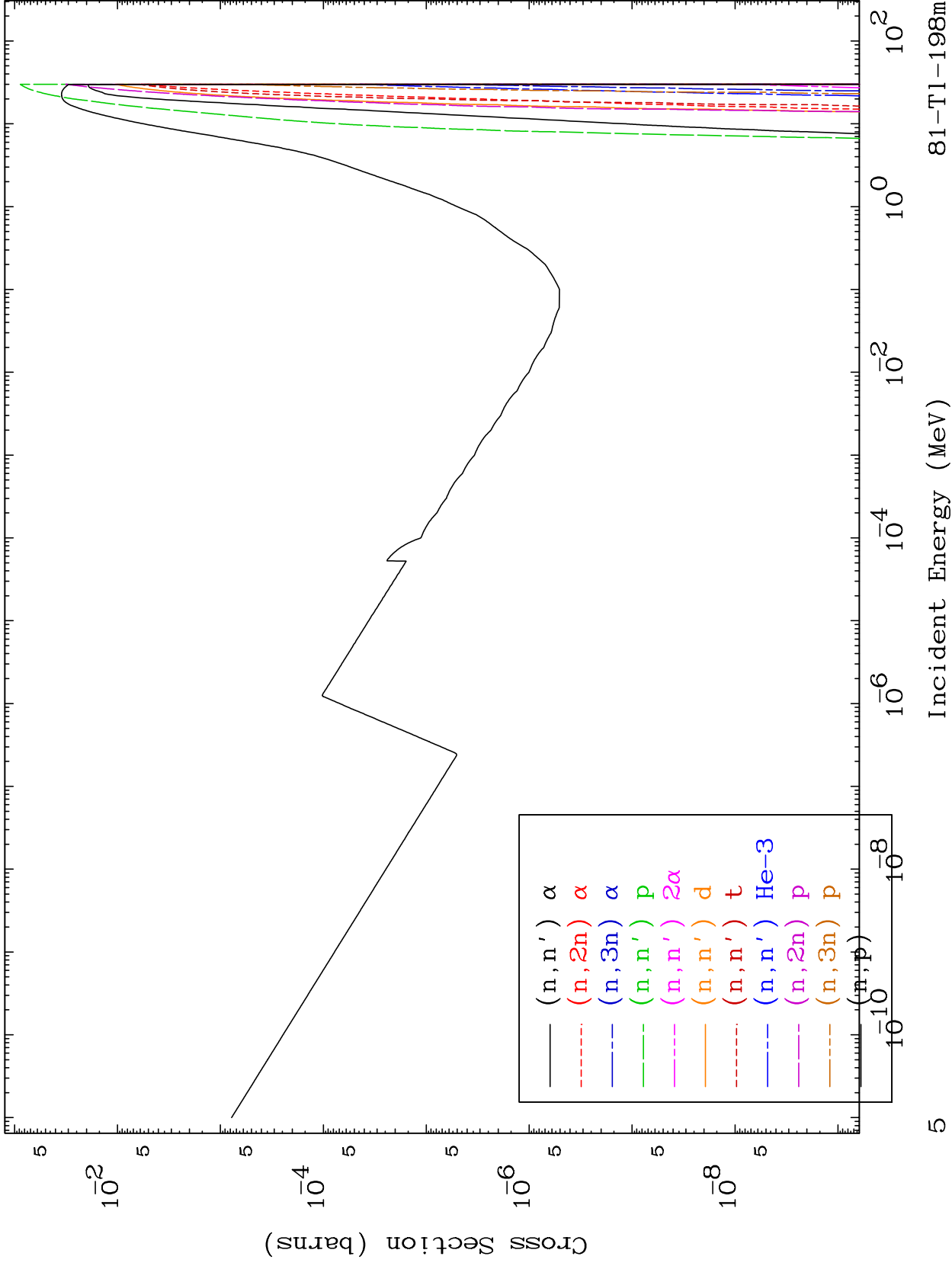
81-TI-198m



MAT 81111

Charged Particle
293 Kelvin Cross Sections

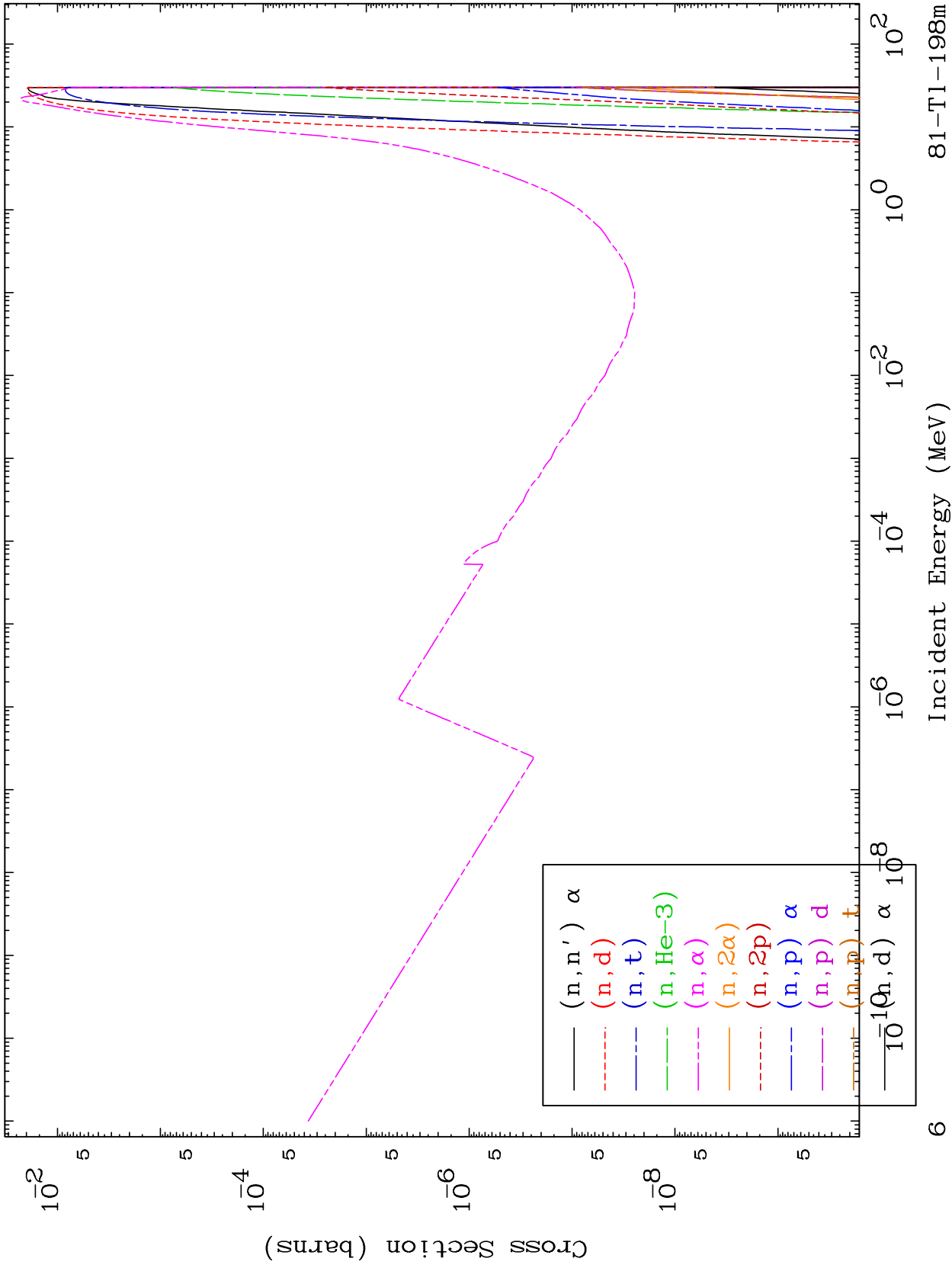
81-Tl-198m



MAT 81111

Charged Particle
293 Kelvin Cross Sections

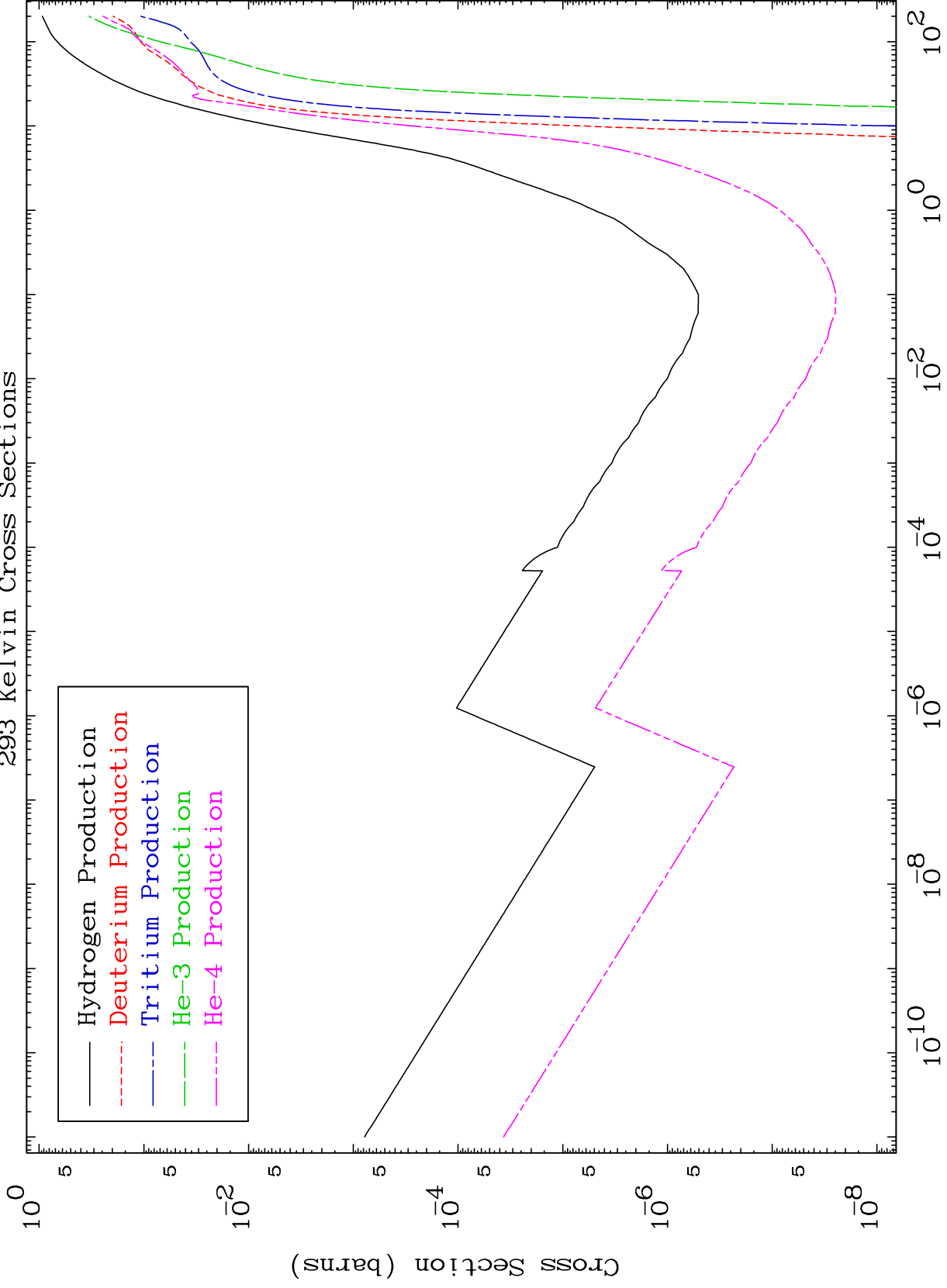
81-Tl-198m



MAT 8111

Particle Production
293 Kelvin Cross Sections

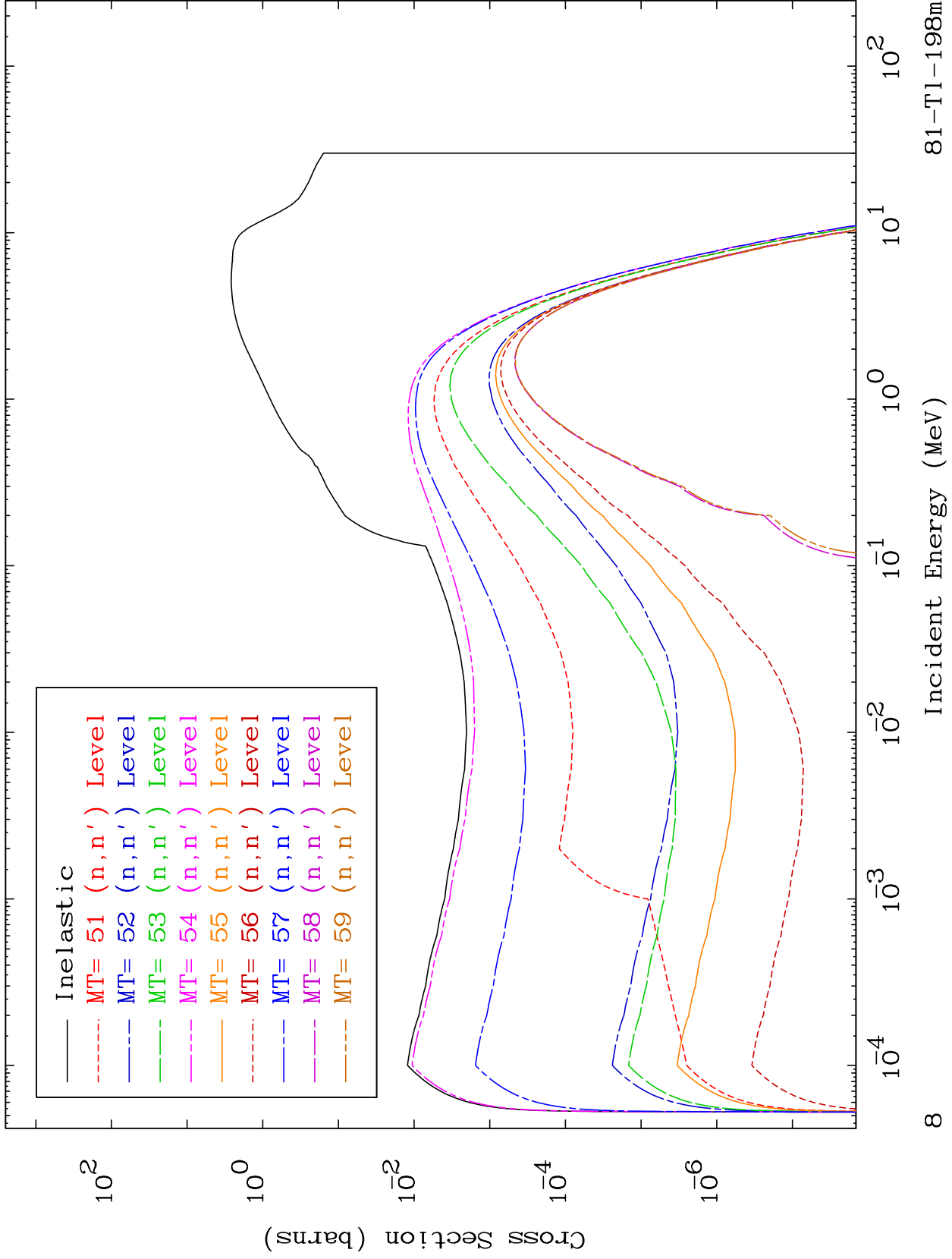
81-Tl-198m



MAT 81111

(n,n') Levels
293 Kelvin Cross Sections

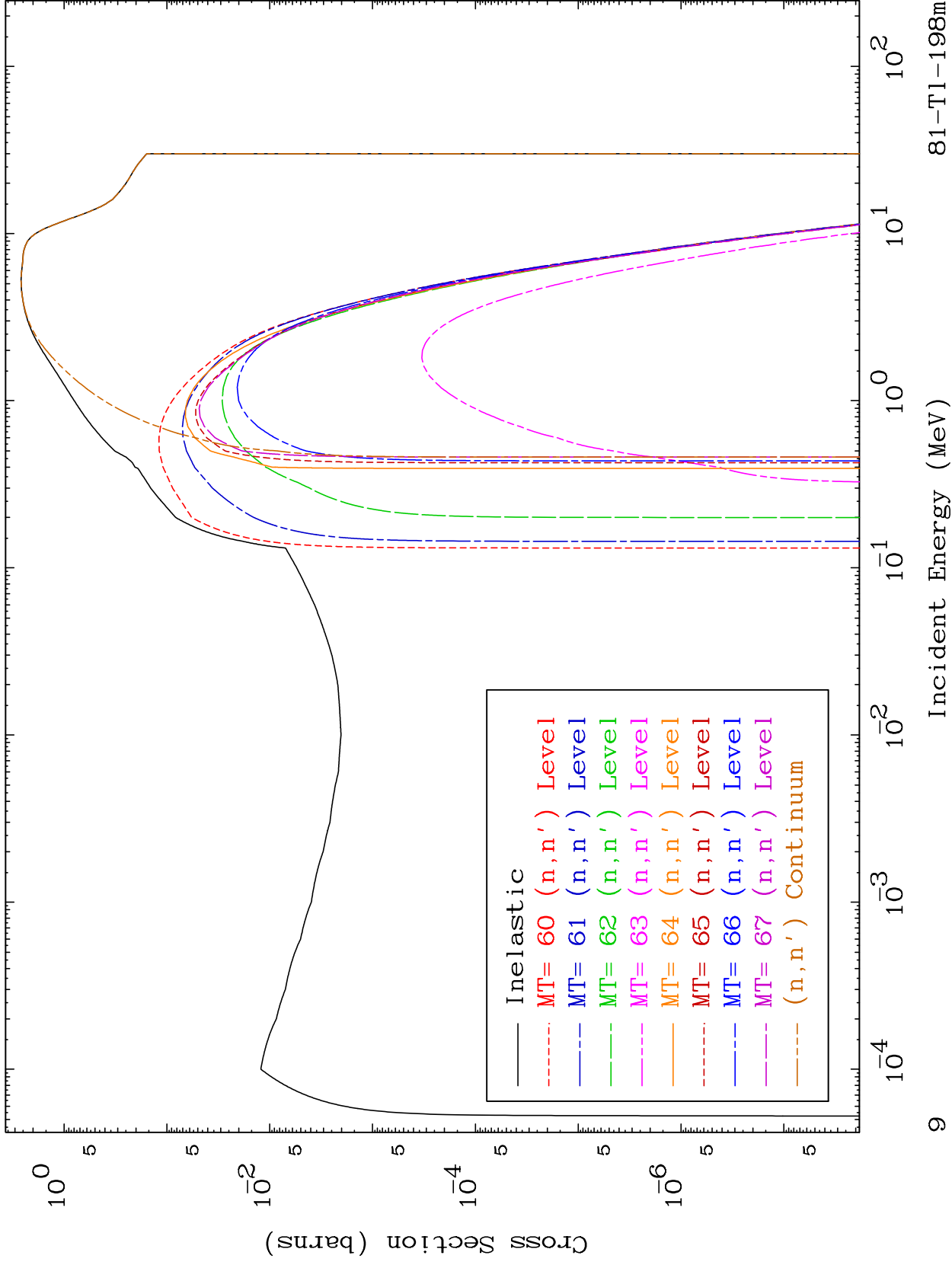
81-Tl-198m



MAT 81111

(n,n') Levels
293 Kelvin Cross Sections

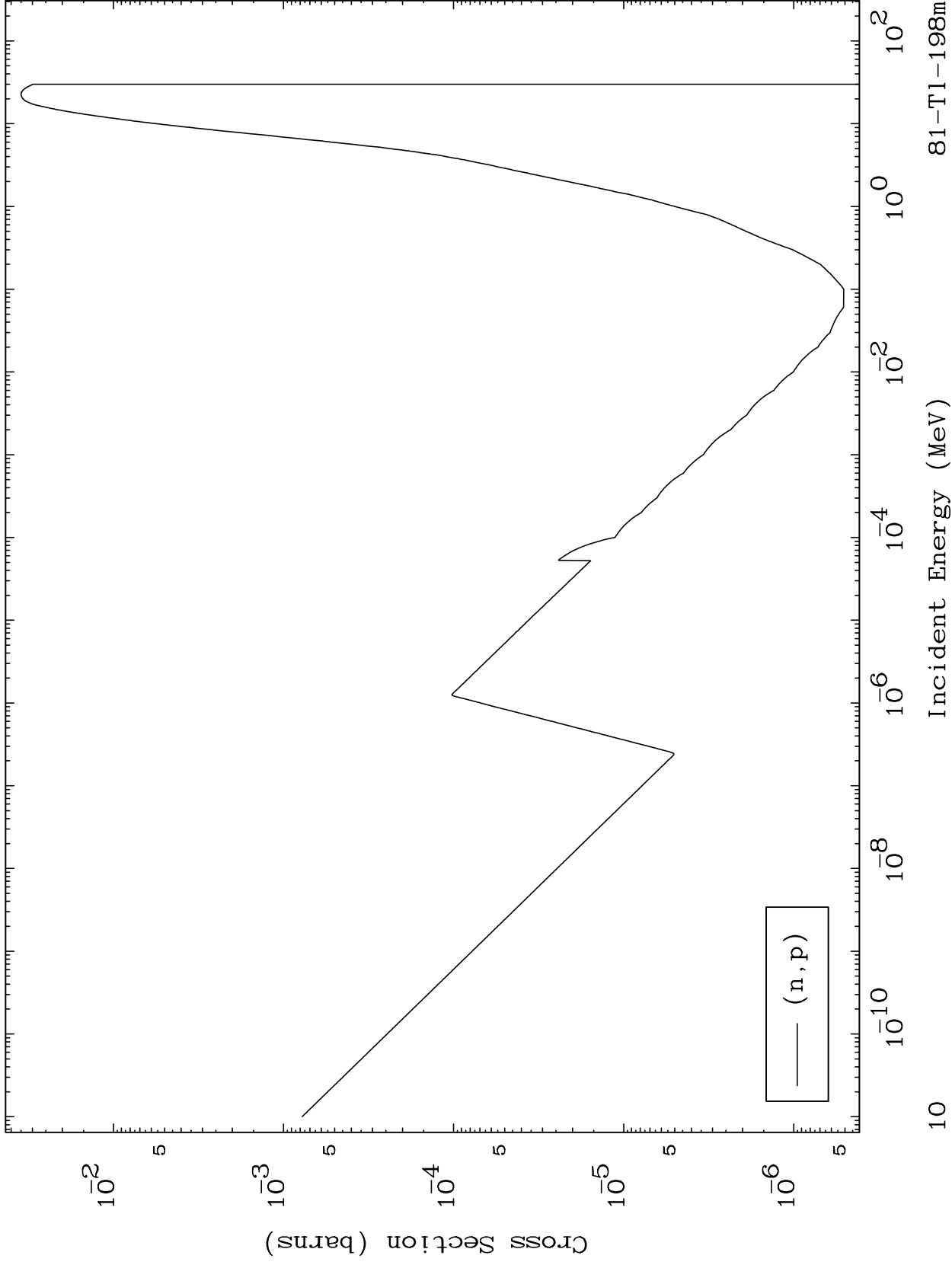
81-TI-198m



MAT 81111

(n,p) Levels
293 Kelvin Cross Sections

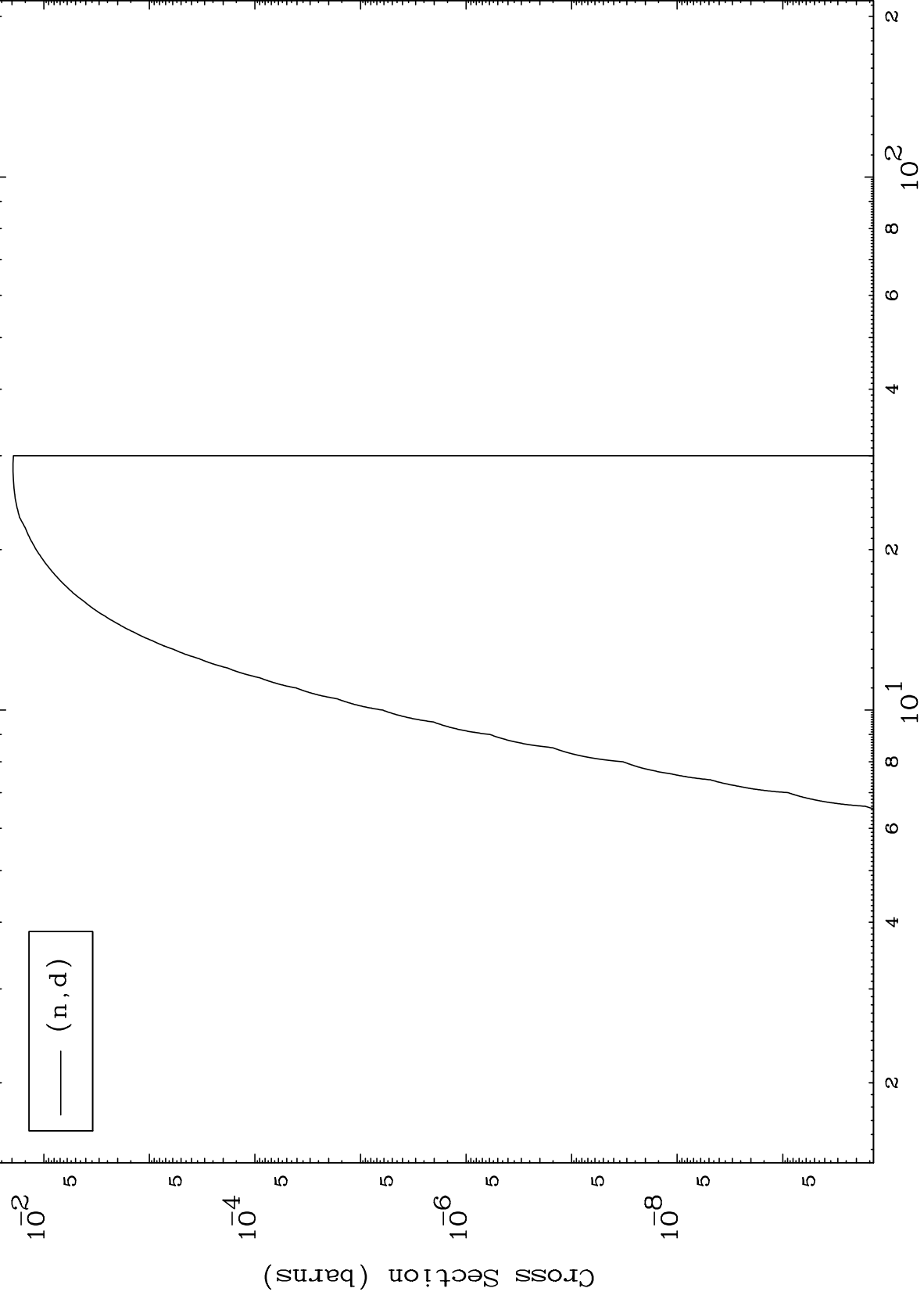
81-Tl-198m



MAT 81111

(n,d) Levels
293 Kelvin Cross Sections

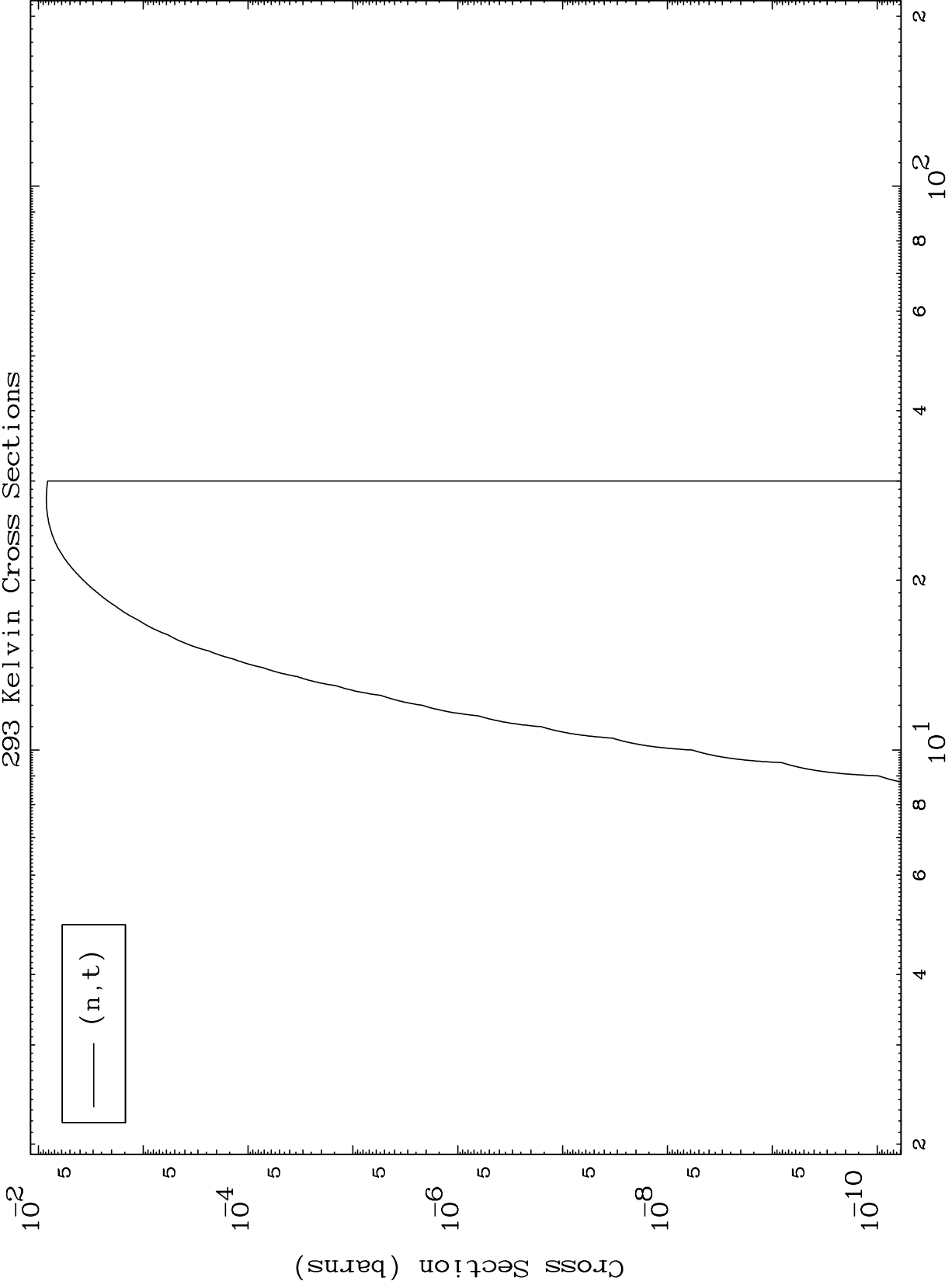
81-Tl-198m



MAT 81111

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-198m



12

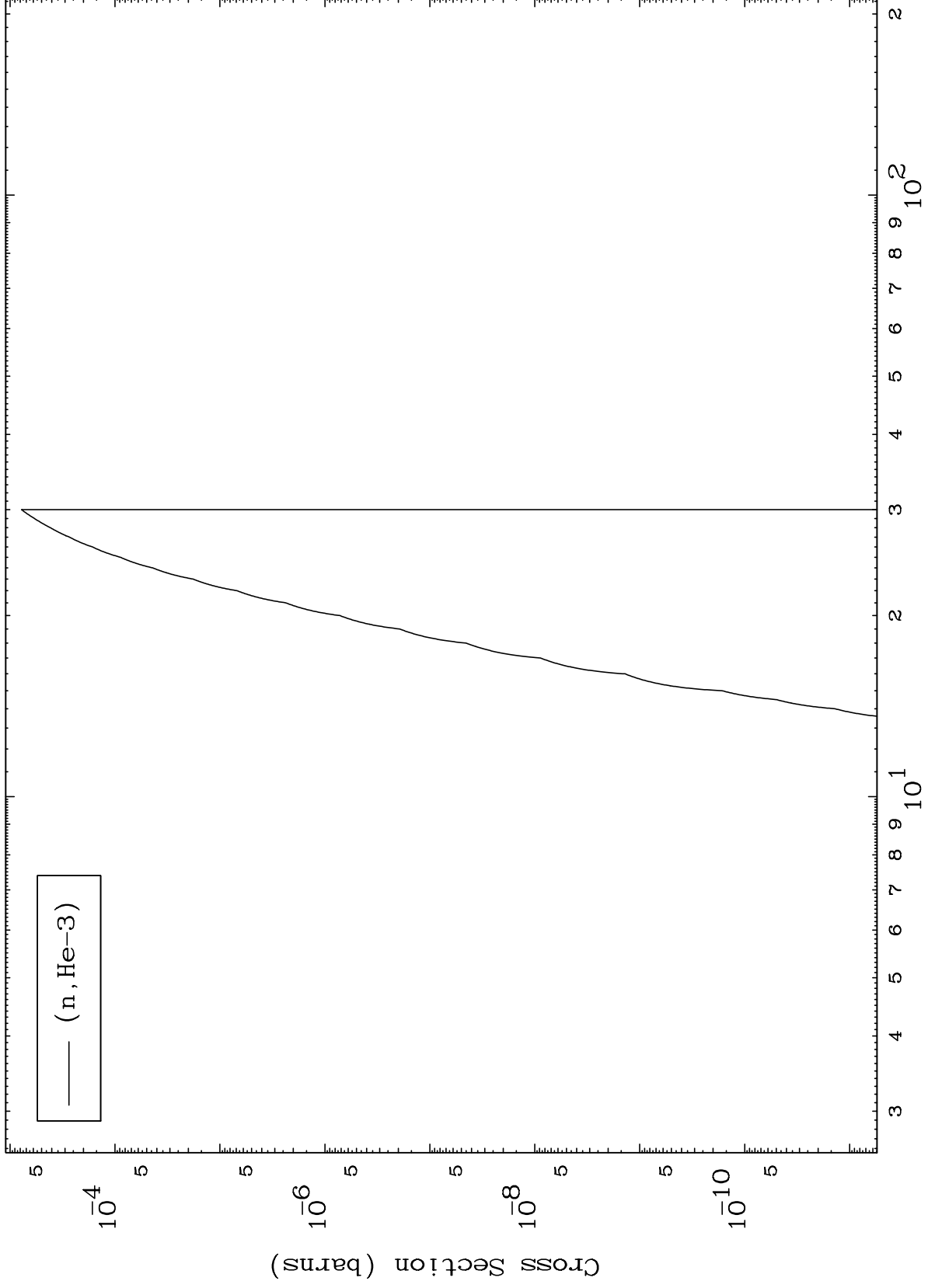
Incident Energy (MeV)

81-Tl-198m

MAT 81111

(n,He3) Levels
293 Kelvin Cross Sections

81-Tl-198m



13

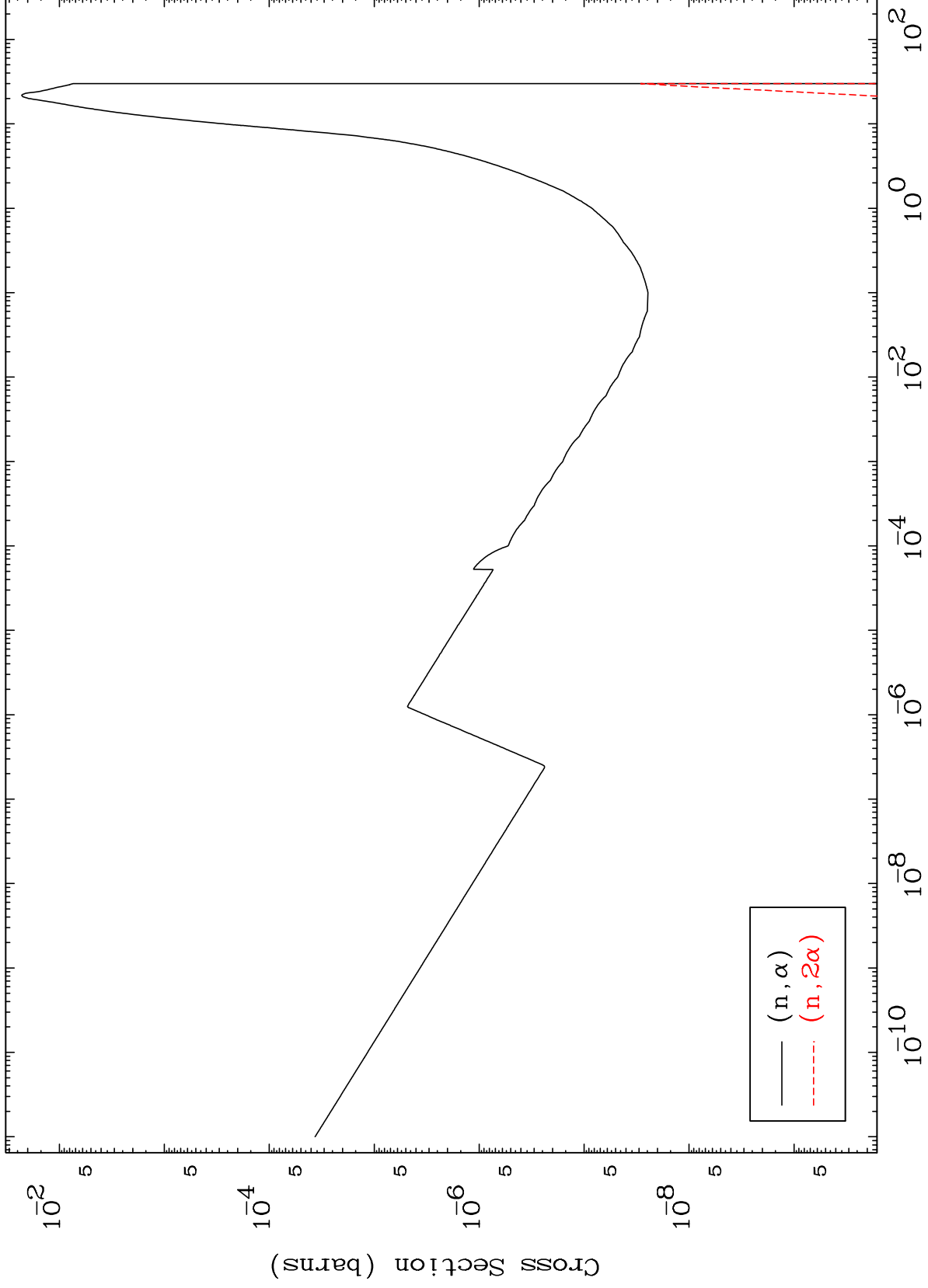
Incident Energy (MeV)

81-Tl-198m

MAT 81111

(n,α) Levels
293 Kelvin Cross Sections

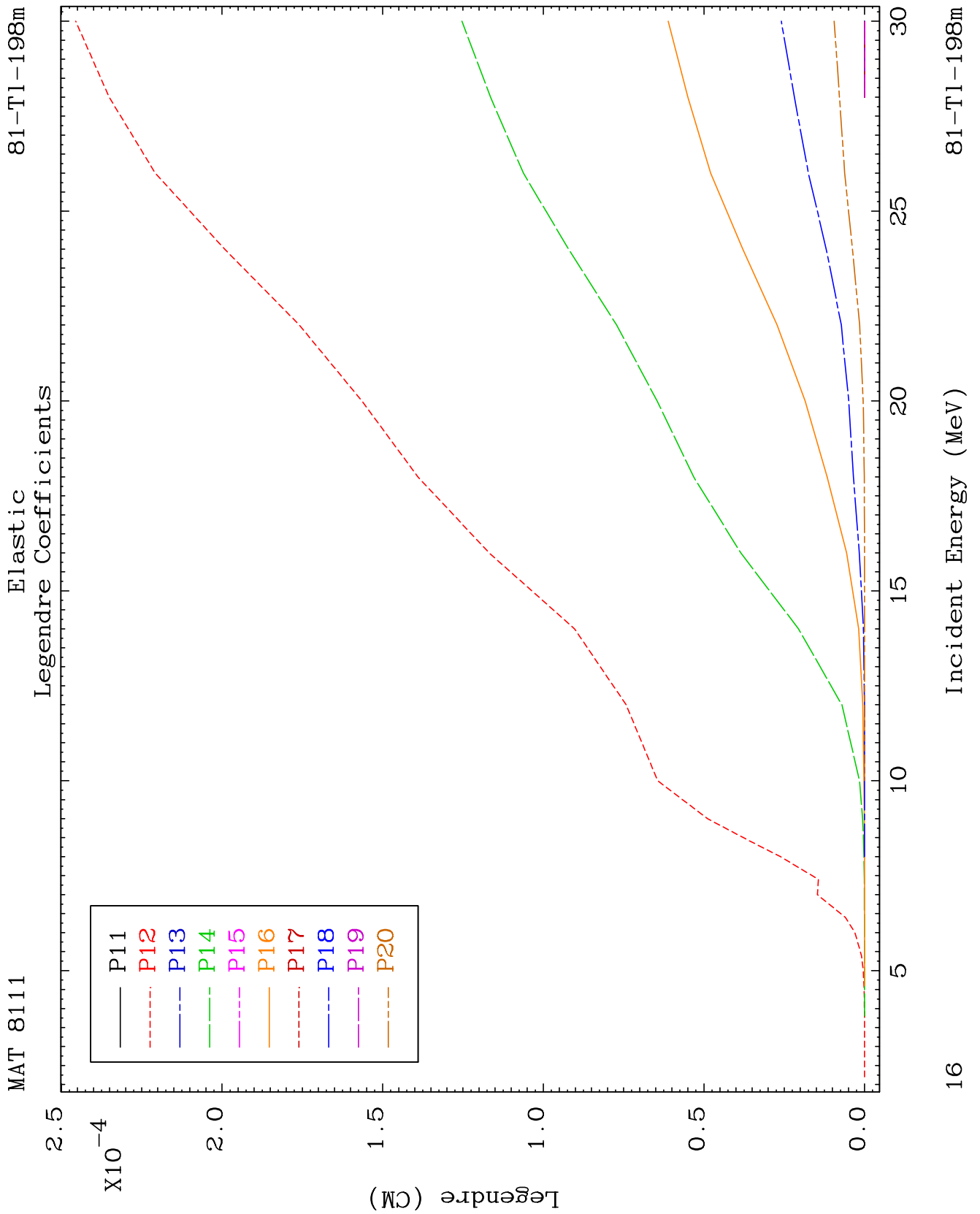
81-Tl-198m



81-Tl-198m

Incident Energy (MeV)

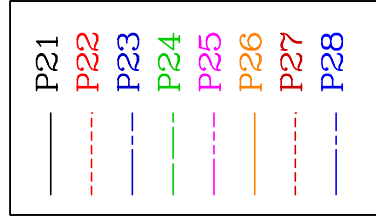
14



MAT 8111

Elastic
Legendre Coefficients

81-TI-198m



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

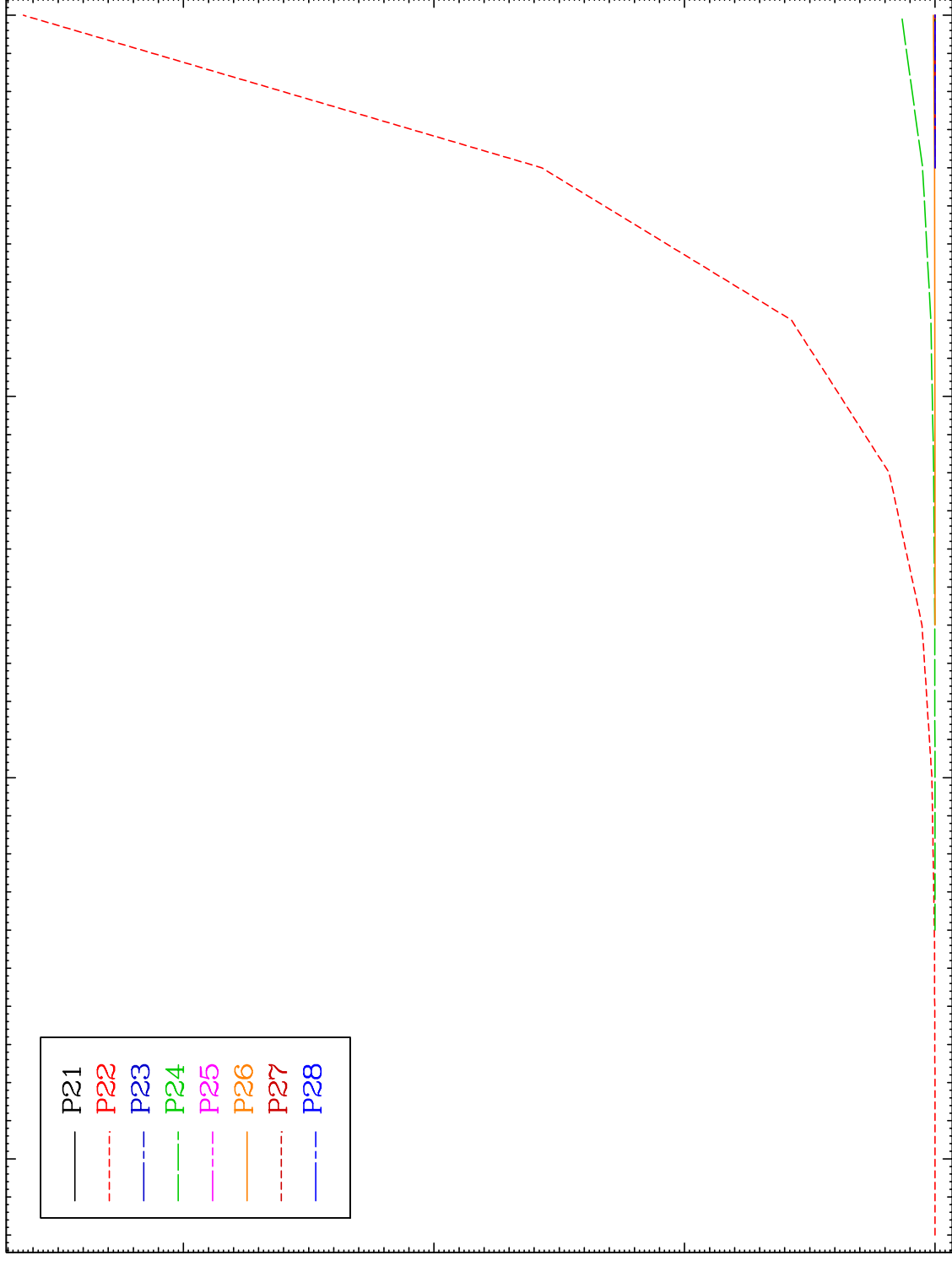
25

30

17

Incident Energy (MeV)

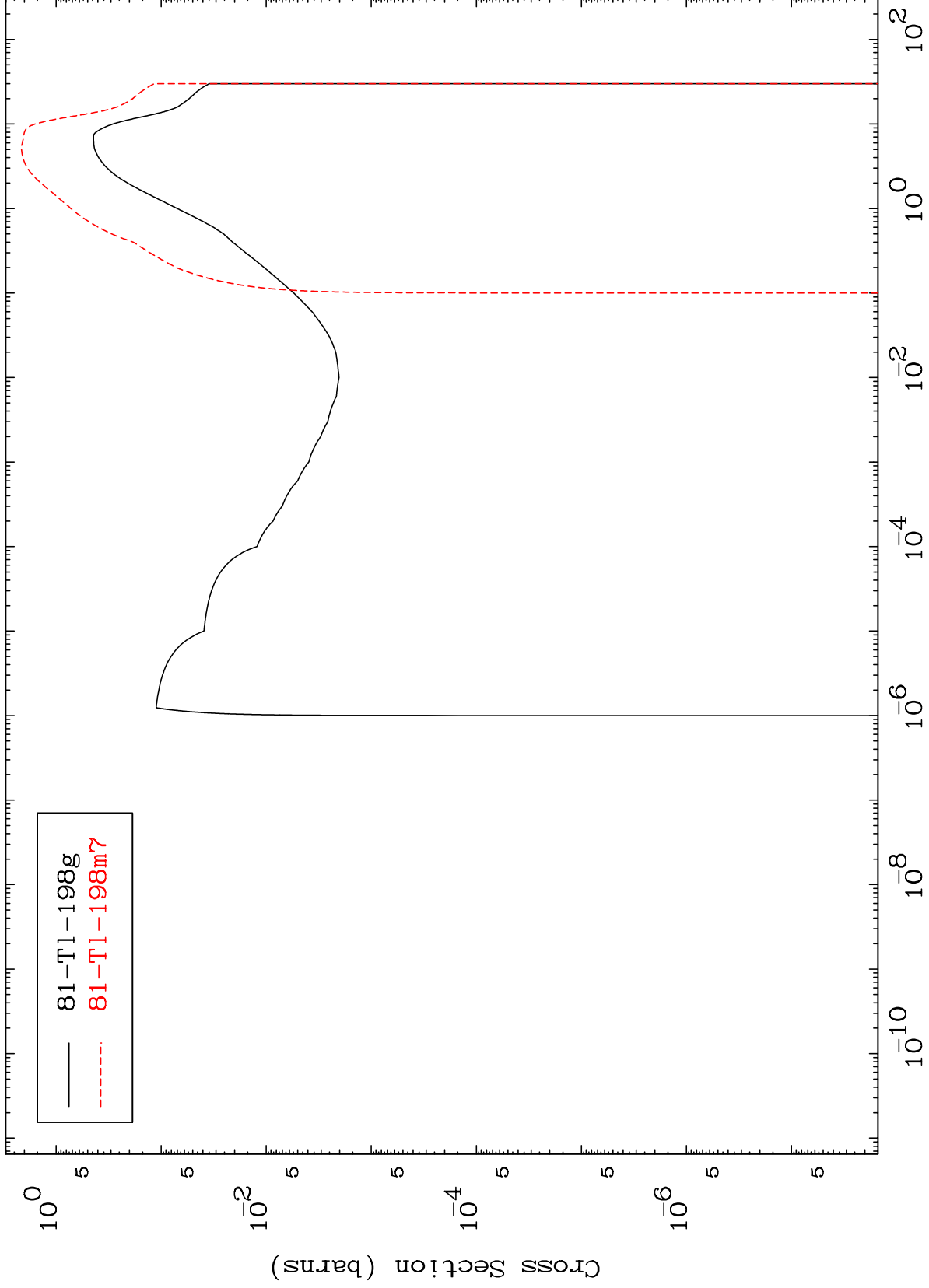
81-TI-198m



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Inelastic
Radionuclide Production Cross Section

81-Tl-198m

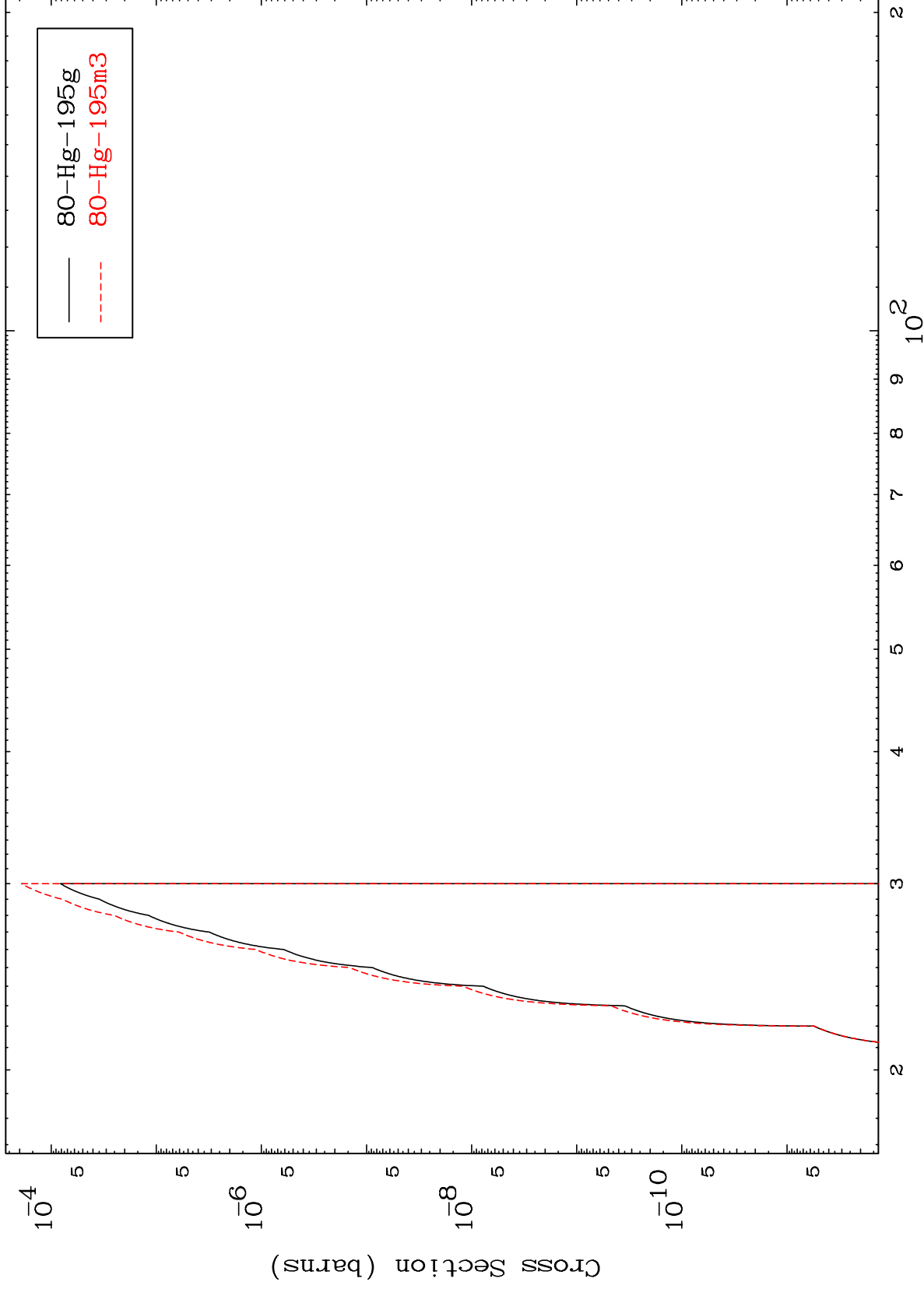


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(n,2n) d

81-TI-198m

Radionuclide Production Cross Section



19

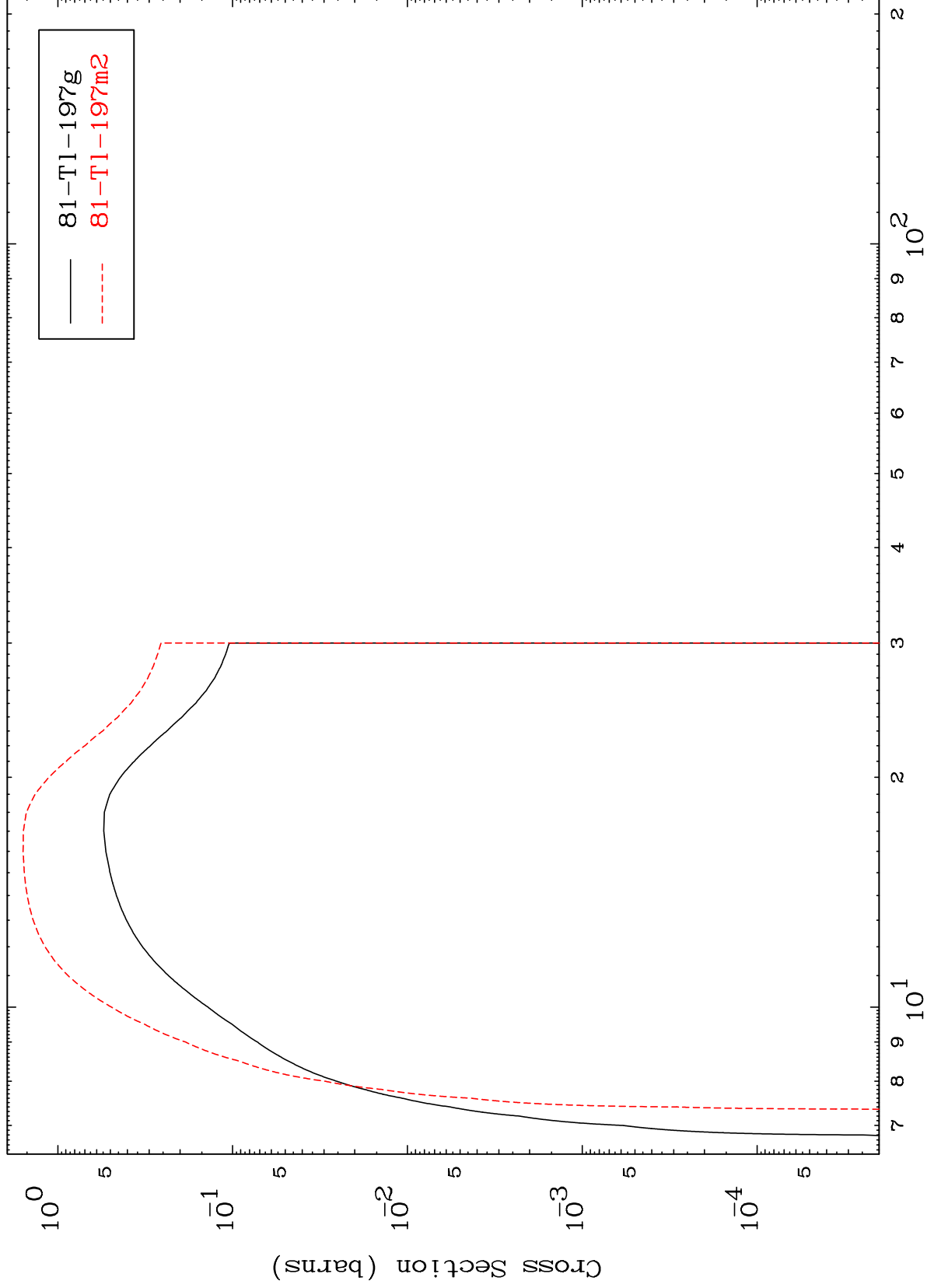
Incident Energy (MeV)

81-TI-198m

MAT 81111

81-Tl-198m

(n,2n)
Radionuclide Production Cross Section



20

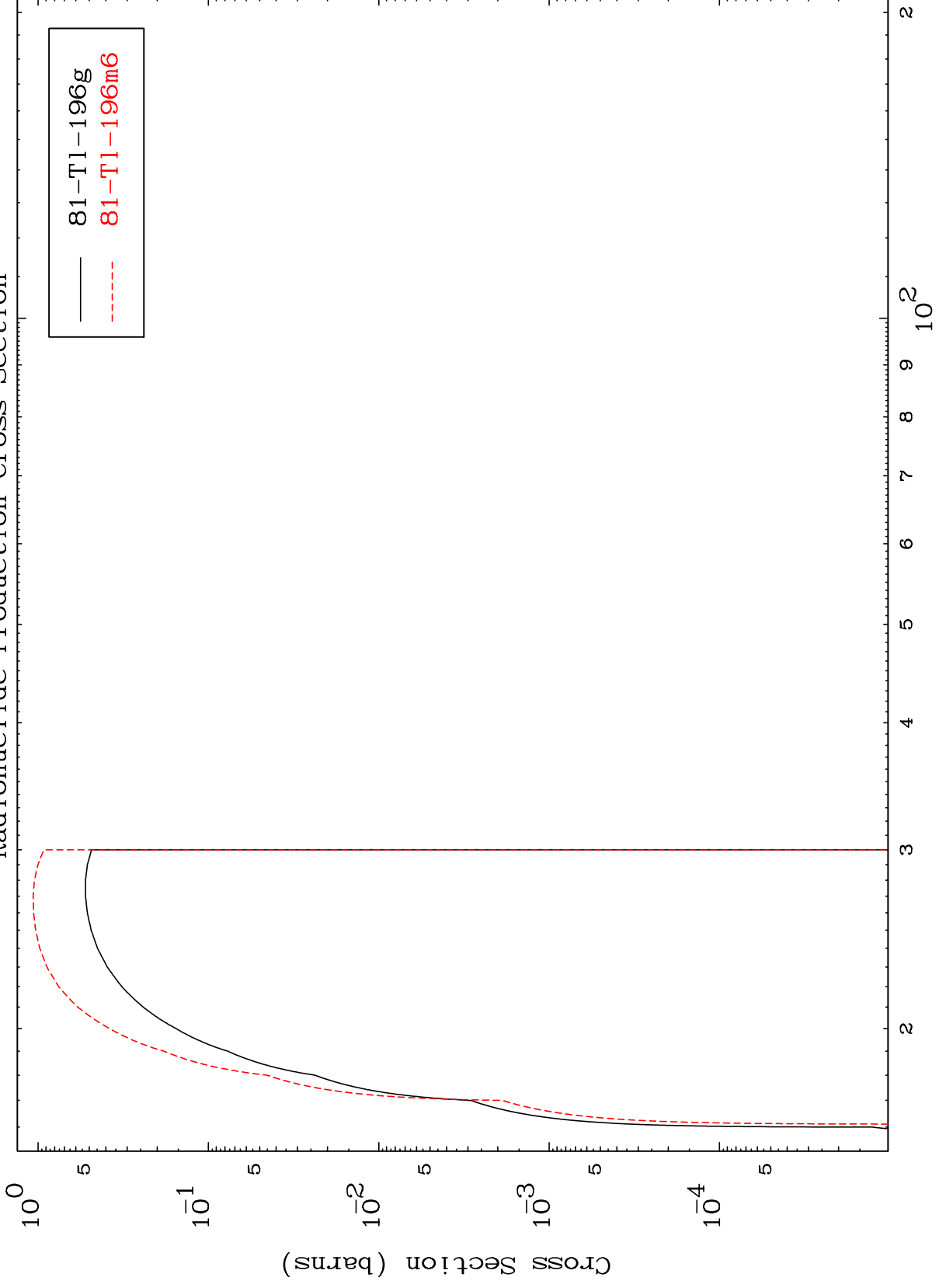
Incident Energy (MeV)

81-Tl-198m

MAT 81111

81-Tl-198m

(n,3n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

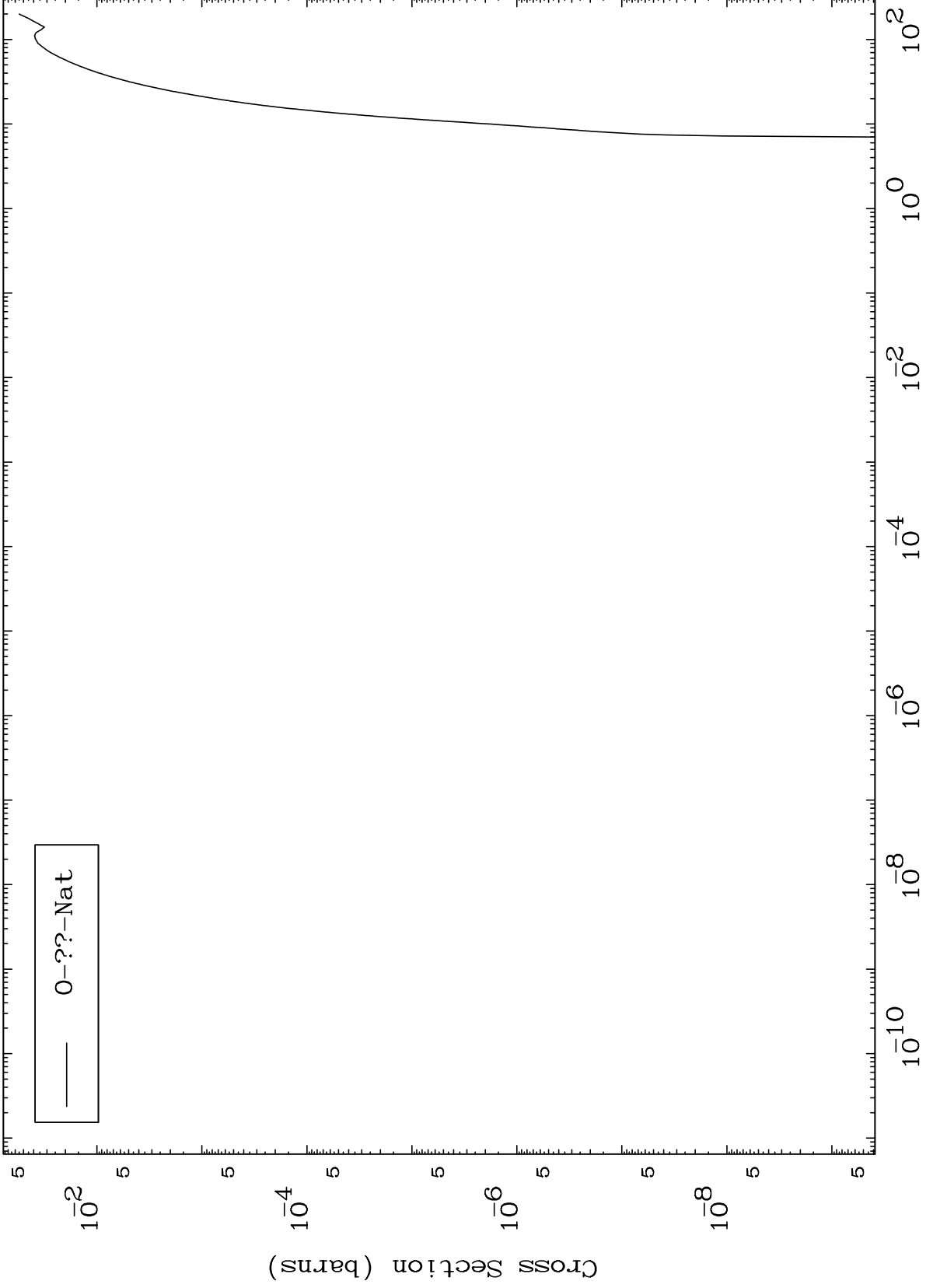
81-Tl-198m

MAT 81111

Fission

81-Tl-198m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

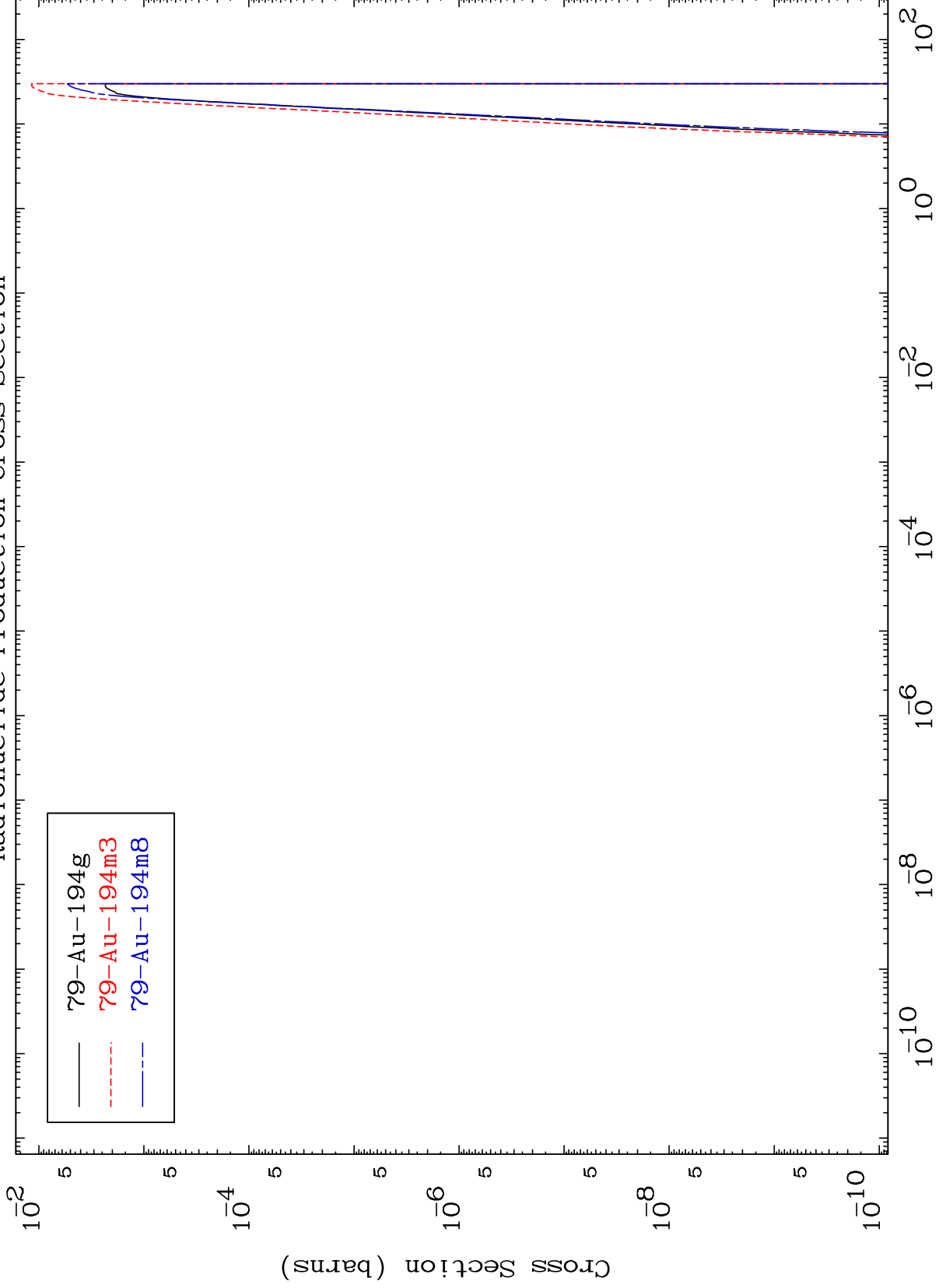
81-Tl-198m

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$(n, n') \alpha$

81-Tl-198m

Radionuclide Production Cross Section

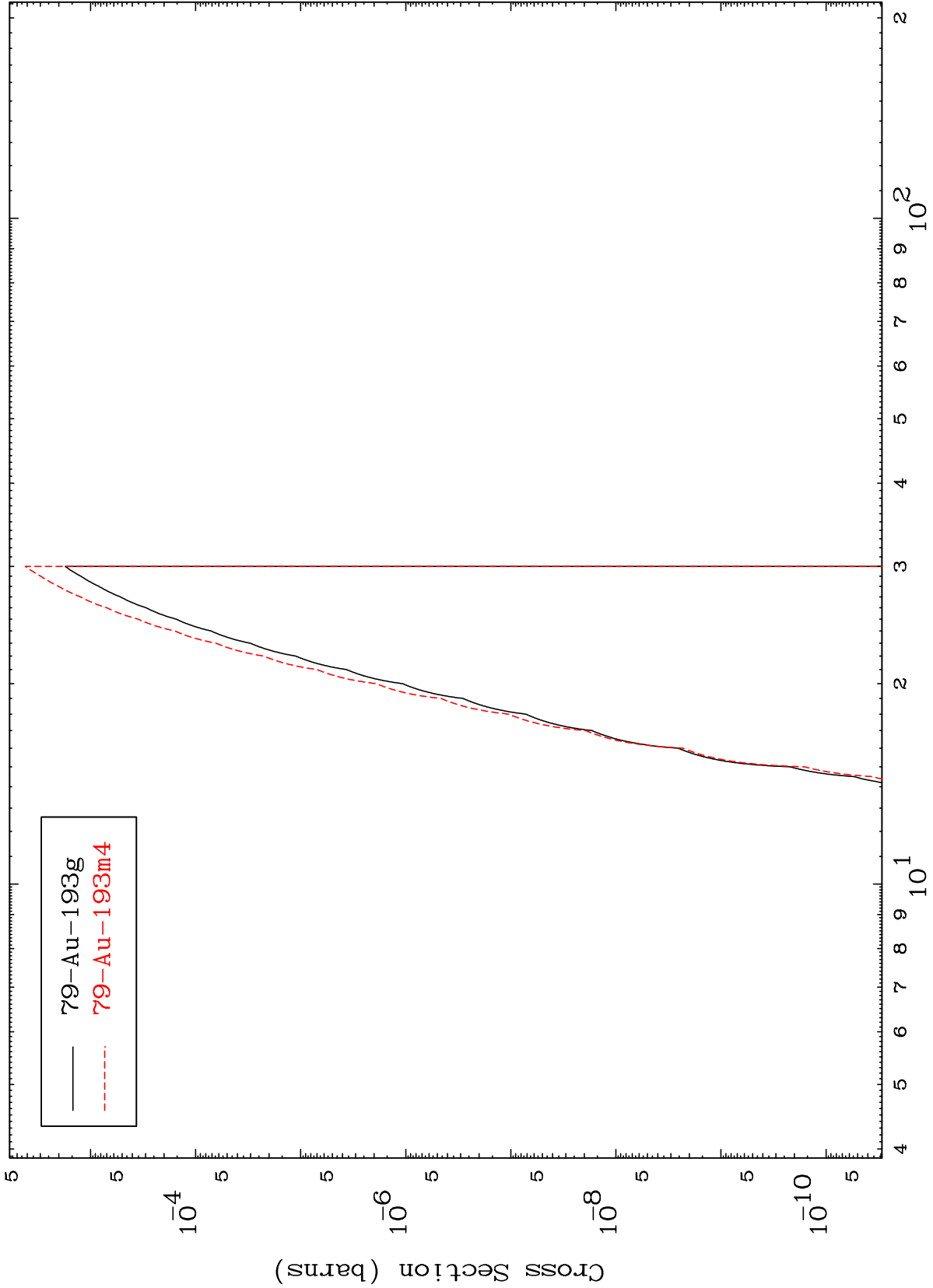


MAT 81111

(n,2n) α

81-TI-198m

Radionuclide Production Cross Section

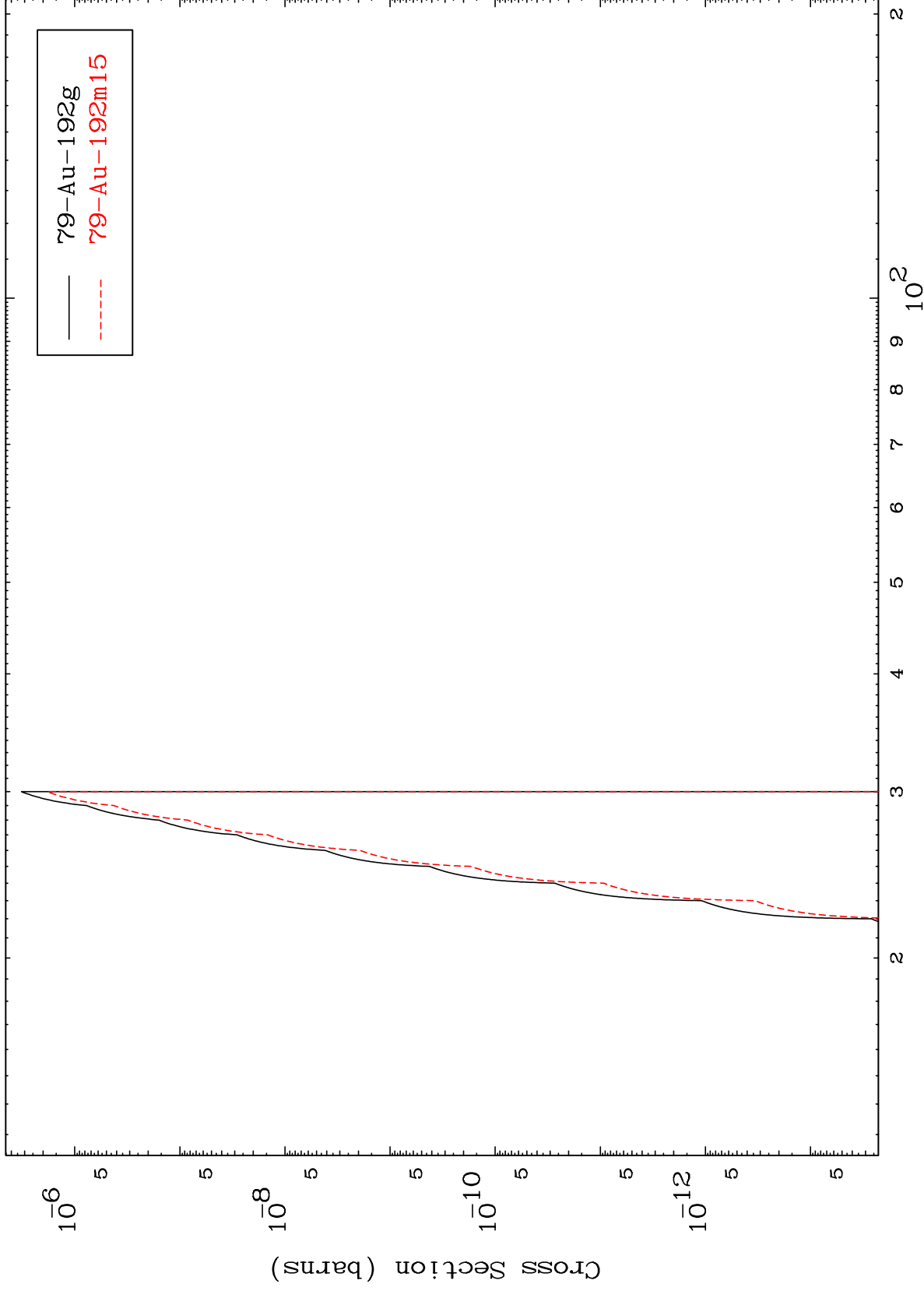


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Incident Energy (MeV)

81-TI-198m

Radionuclide Production Cross Section

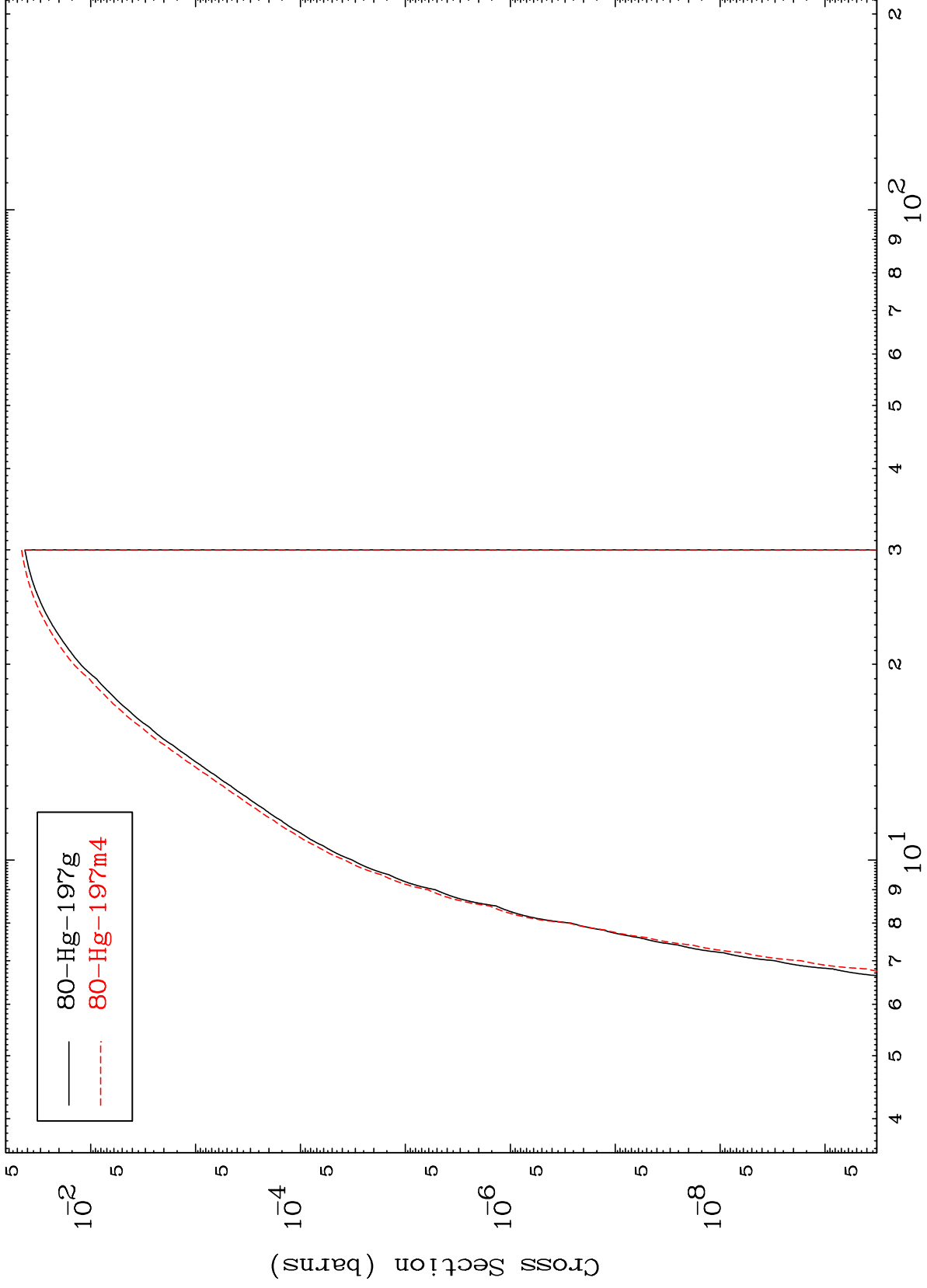


MAT 81111

(n,n') p

81-TI-198m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

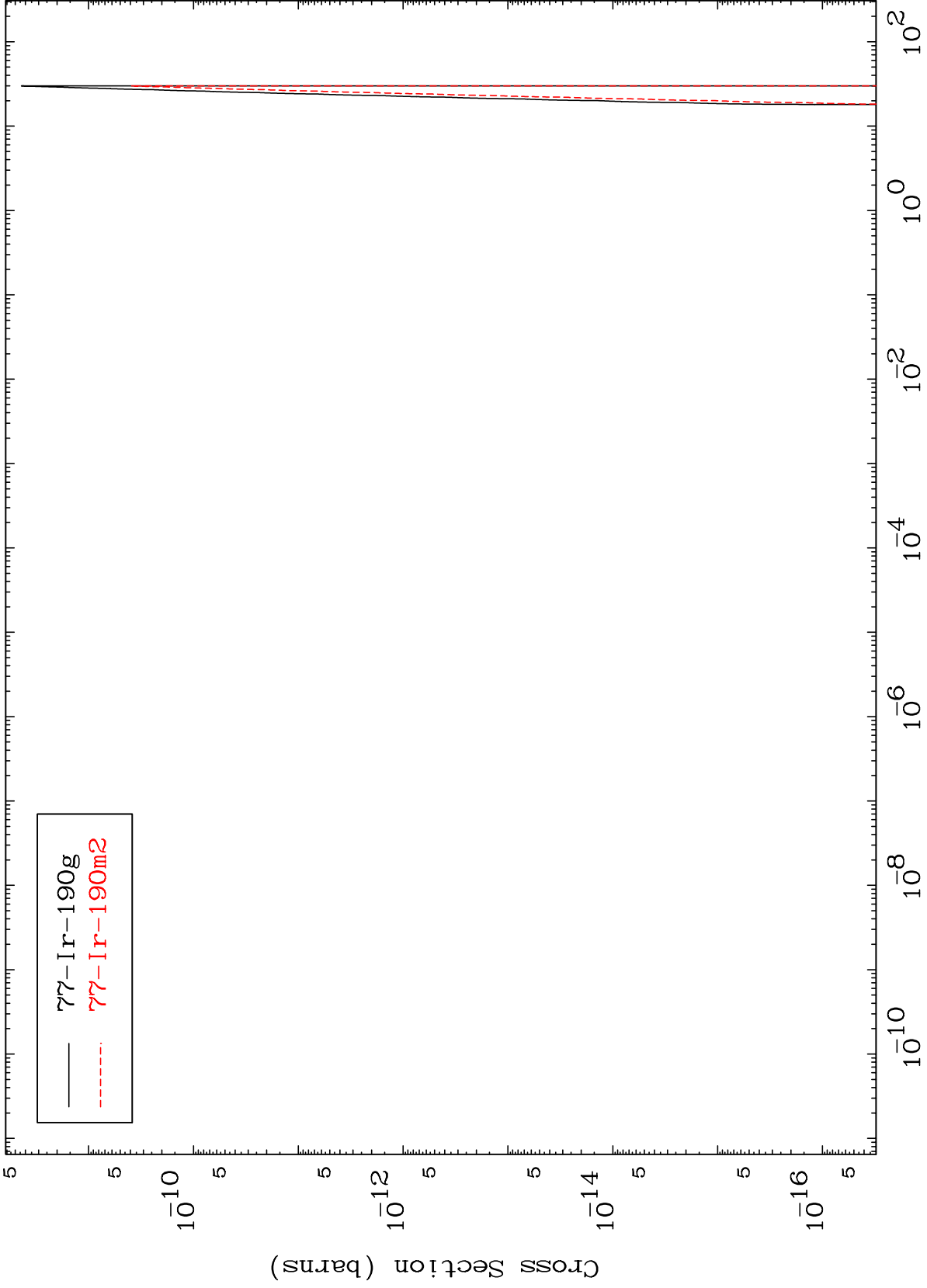
81-TI-198m

MAT 81111

(n,n') 2α

81-Tl-198m

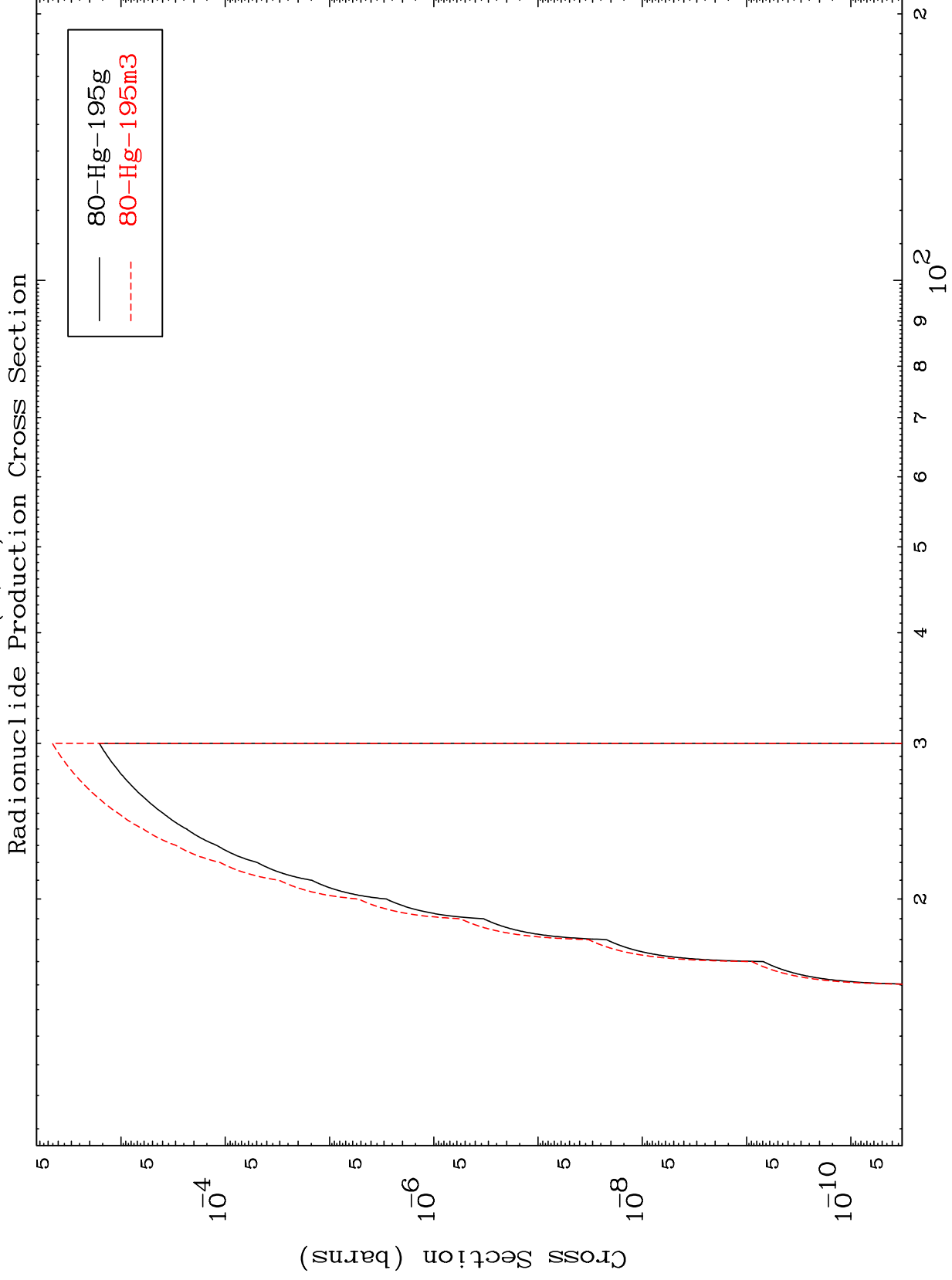
Radionuclide Production Cross Section



27

Incident Energy (MeV)

81-Tl-198m

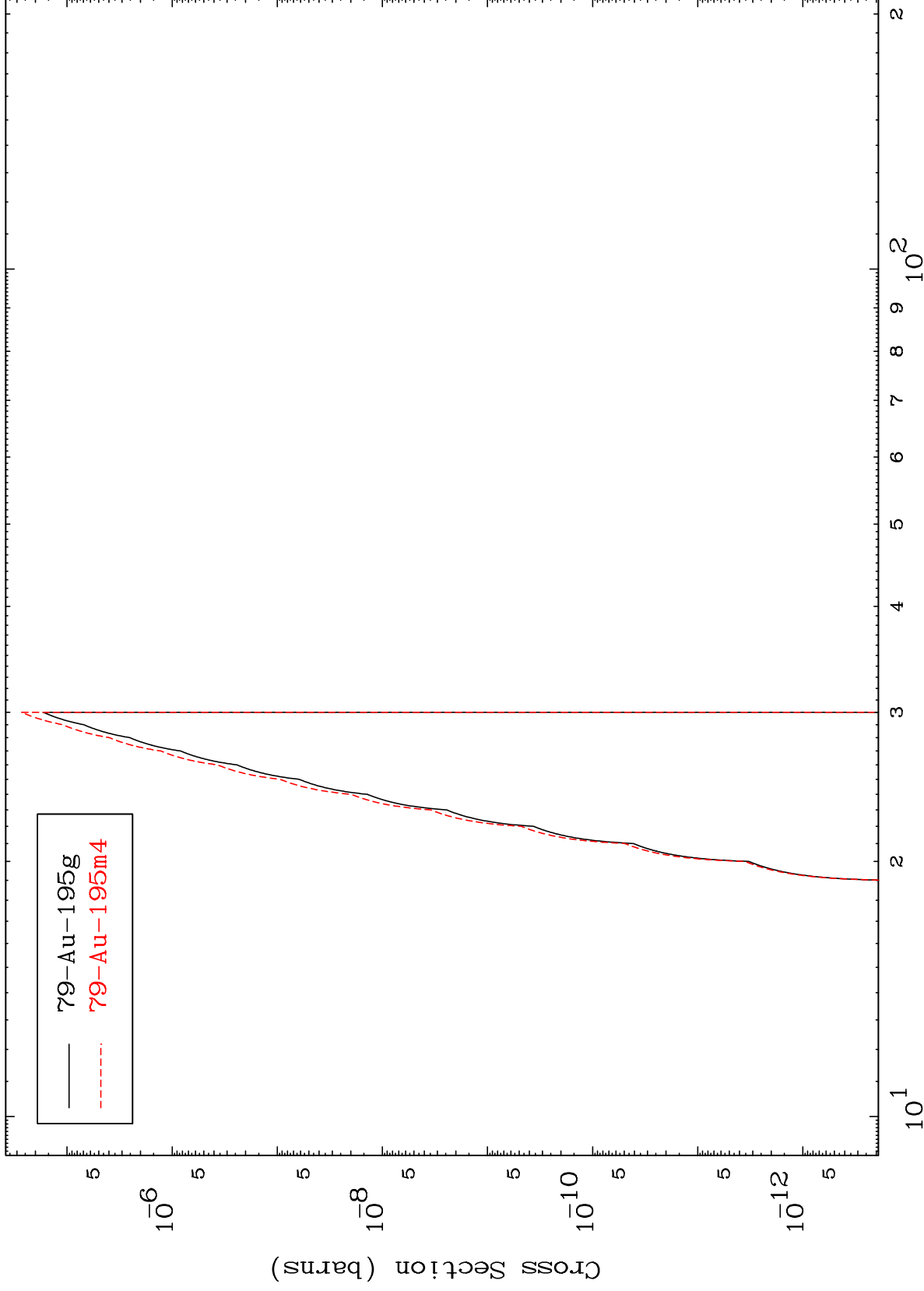


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(n,n') He-3

81-TI-198m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

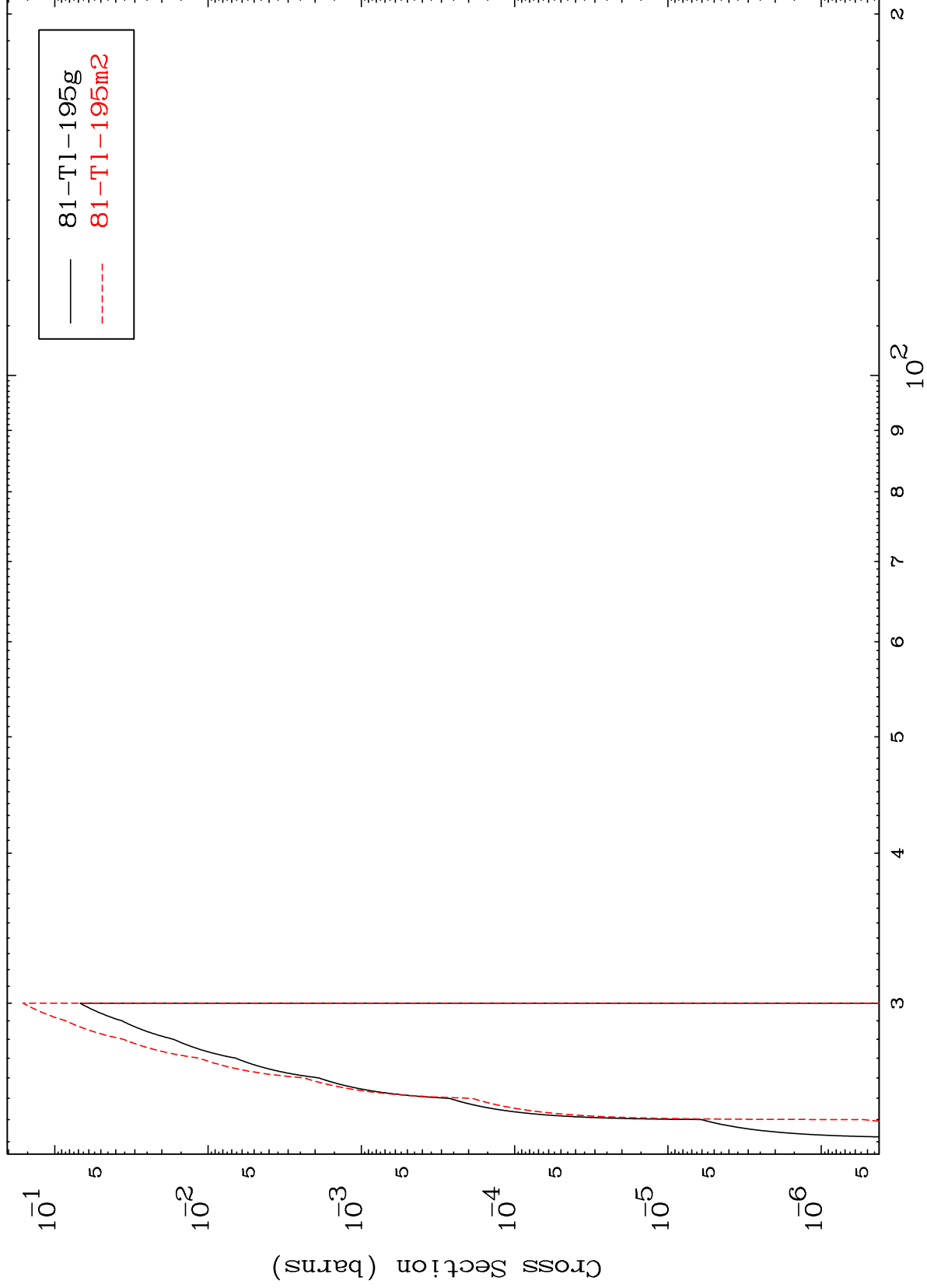
81-TI-198m

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(n,4n)

81-Tl-198m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

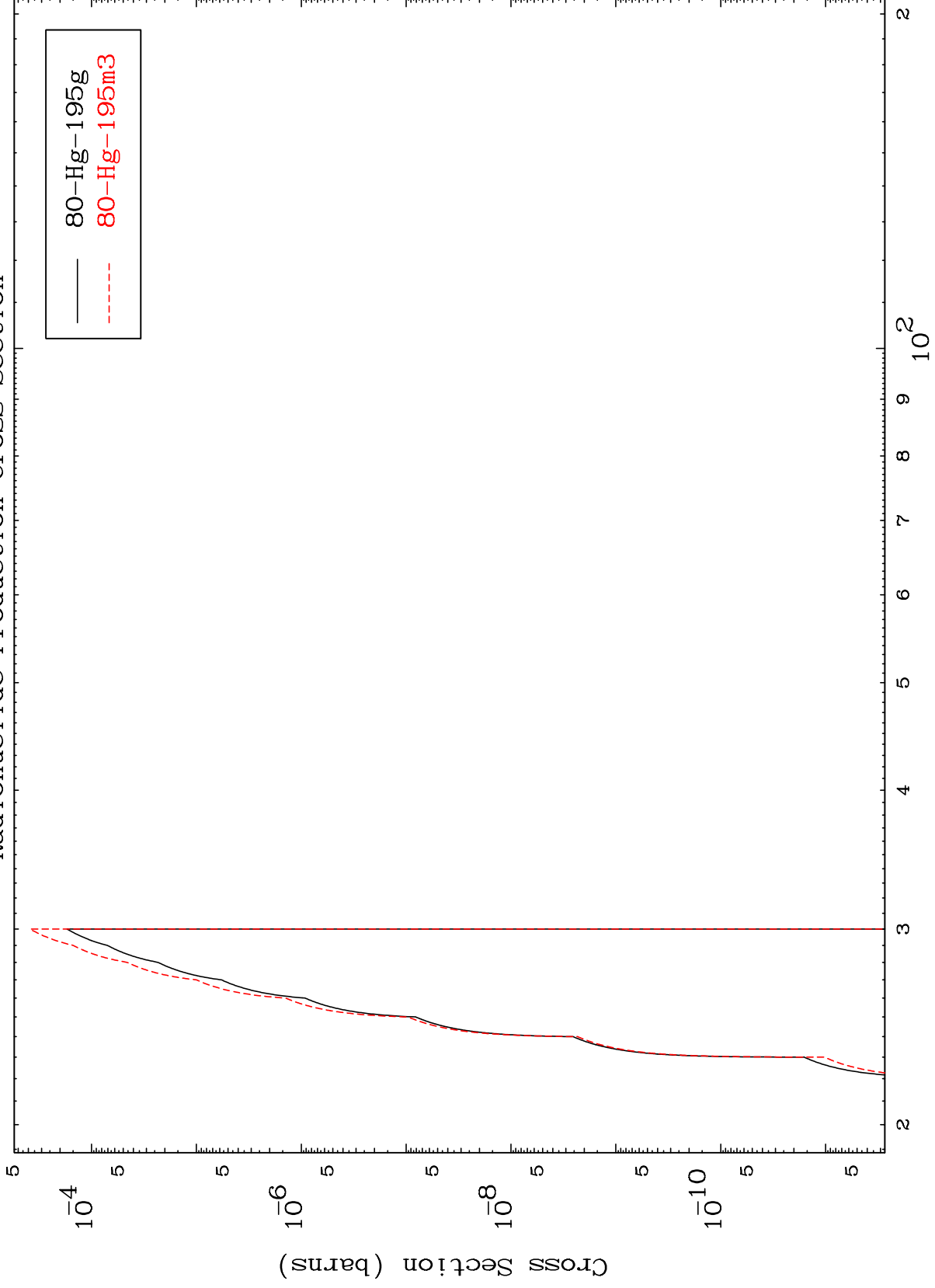
81-Tl-198m

MAT 81111

(n,3n) p

81-TI-198m

Radionuclide Production Cross Section



31

Incident Energy (MeV)

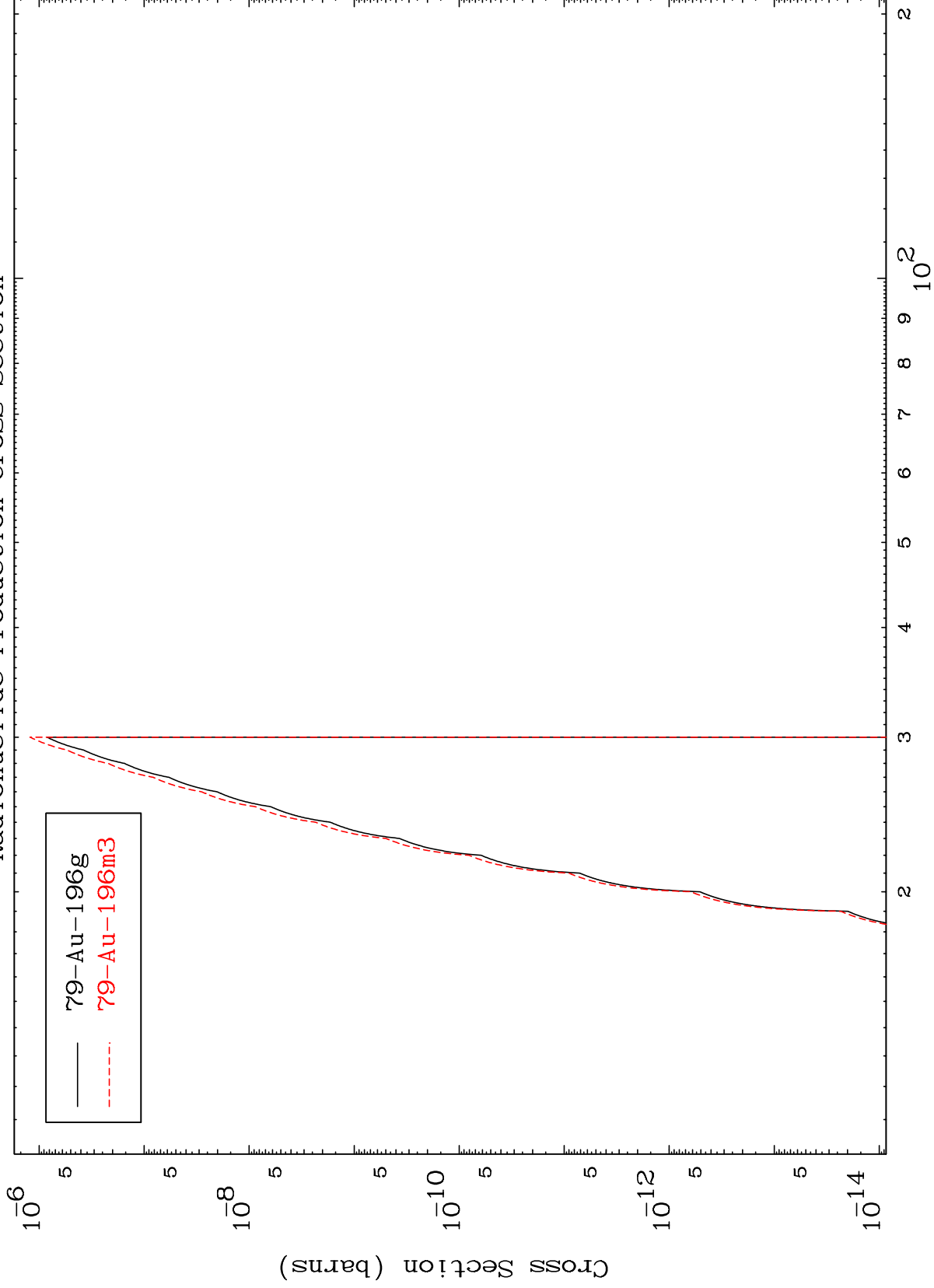
81-TI-198m

MAT 81111

(n,2n) p

81-Tl-198m

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-198m

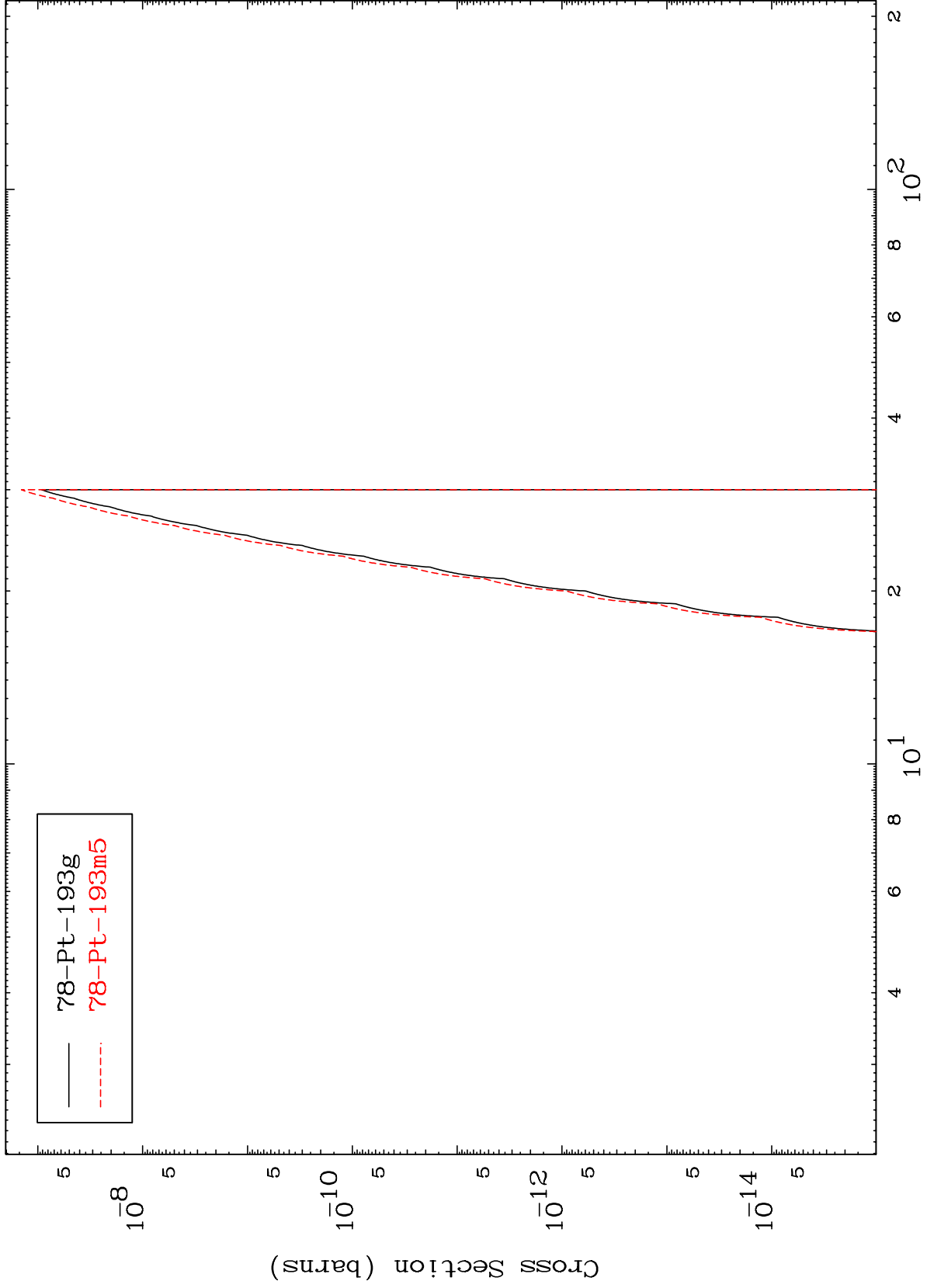
32

MAT 8111

(n,n') p α

81-Tl-198m

Radionuclide Production Cross Section



33

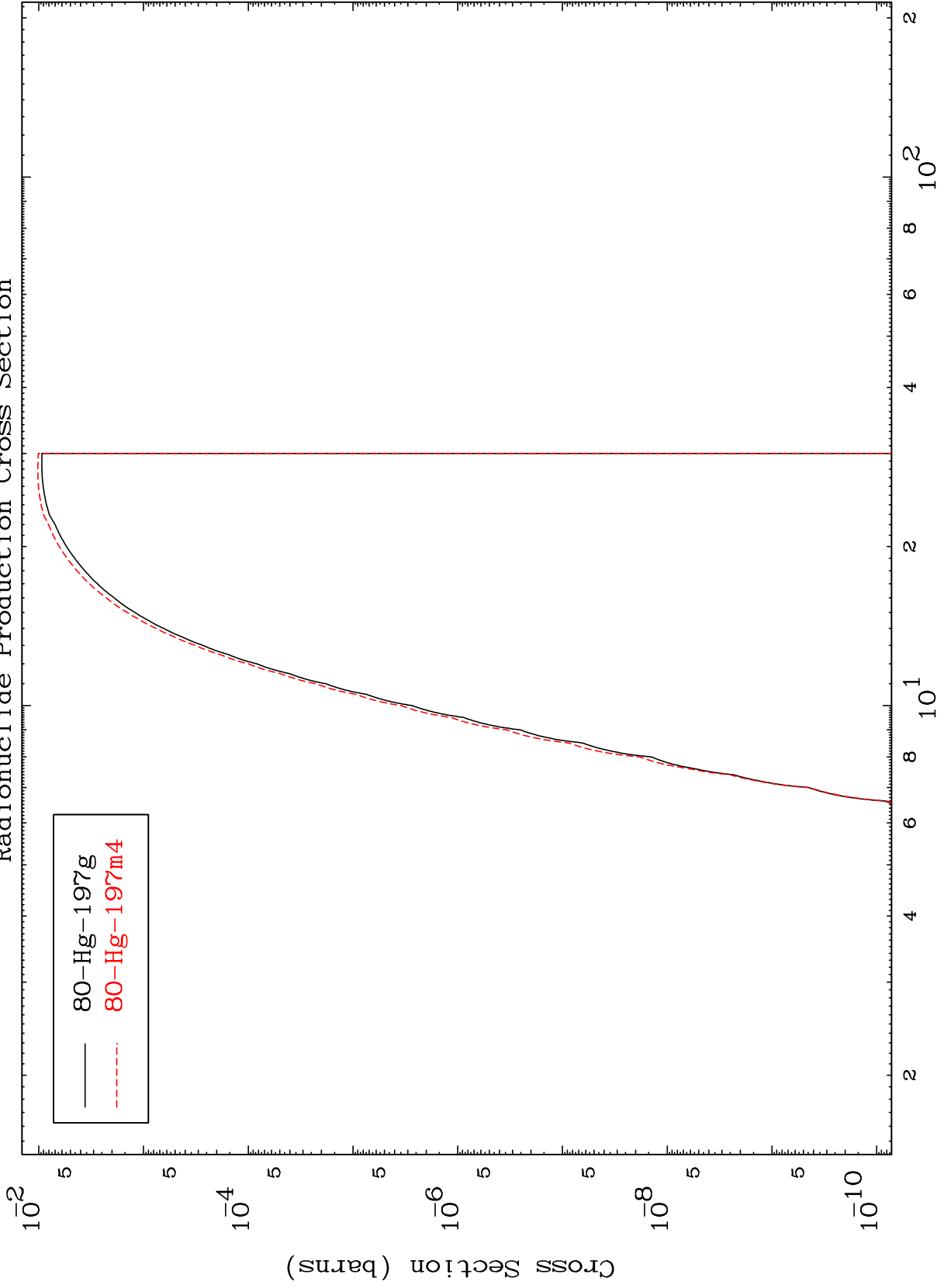
Incident Energy (MeV)

81-Tl-198m

MAT 81111

81-TI-198m

Radionuclide Production Cross Section (n,d)



34

Incident Energy (MeV)

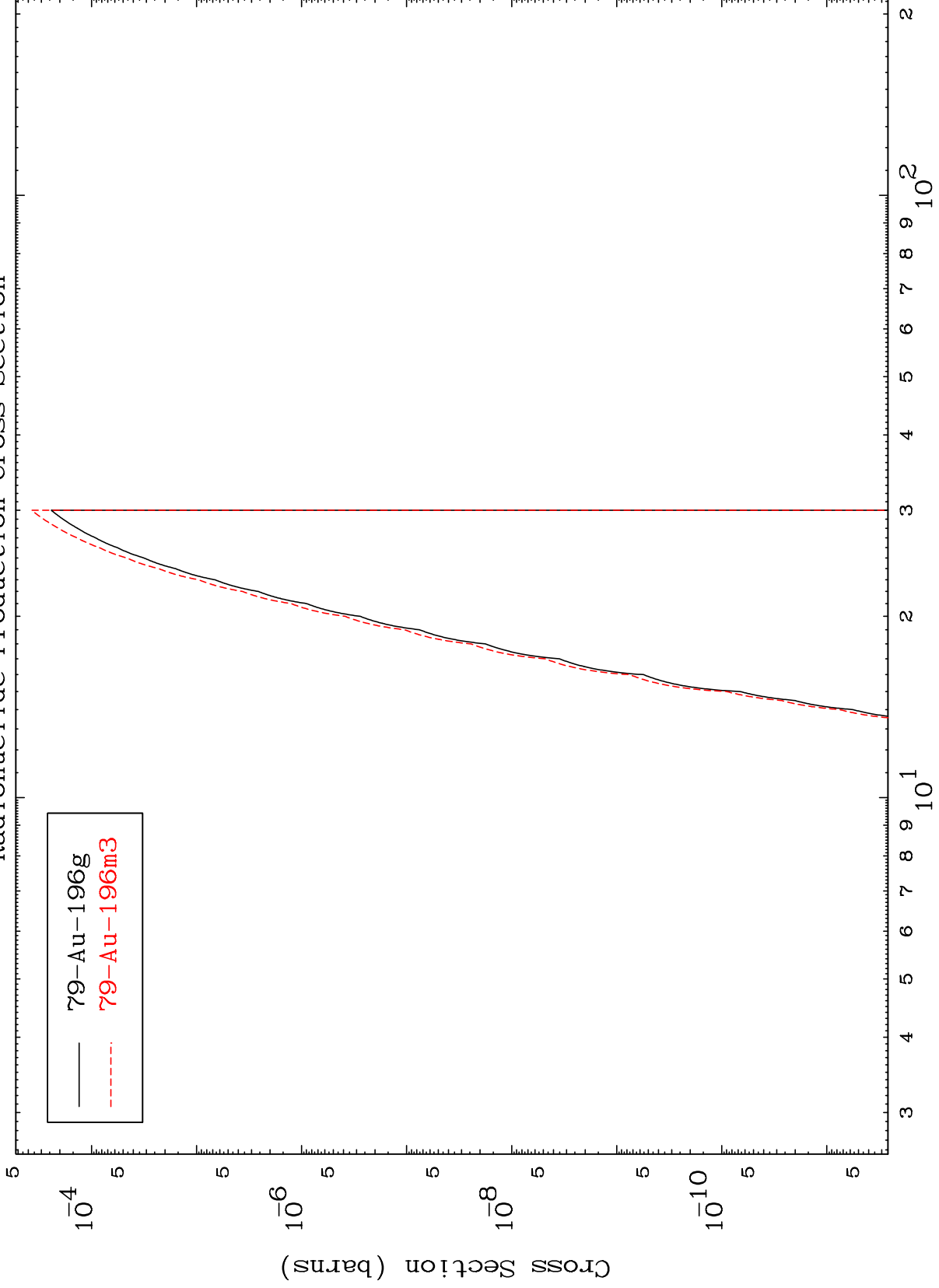
81-TI-198m

MAT 81111

(n,He-3)

81-TI-198m

Radionuclide Production Cross Section



Incident Energy (MeV)

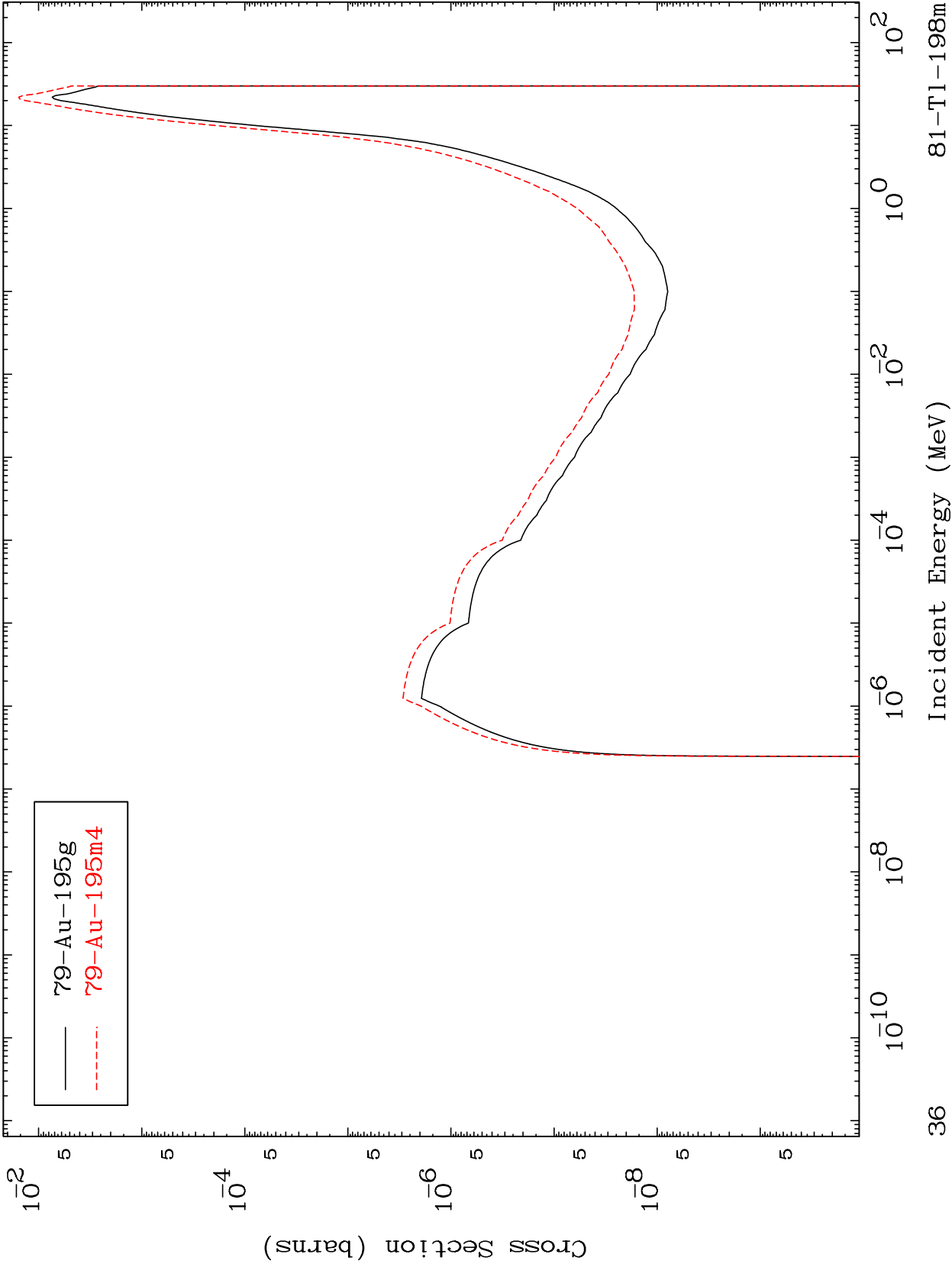
81-TI-198m

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81-Tl-198m

(n, α)
Radionuclide Production Cross Section

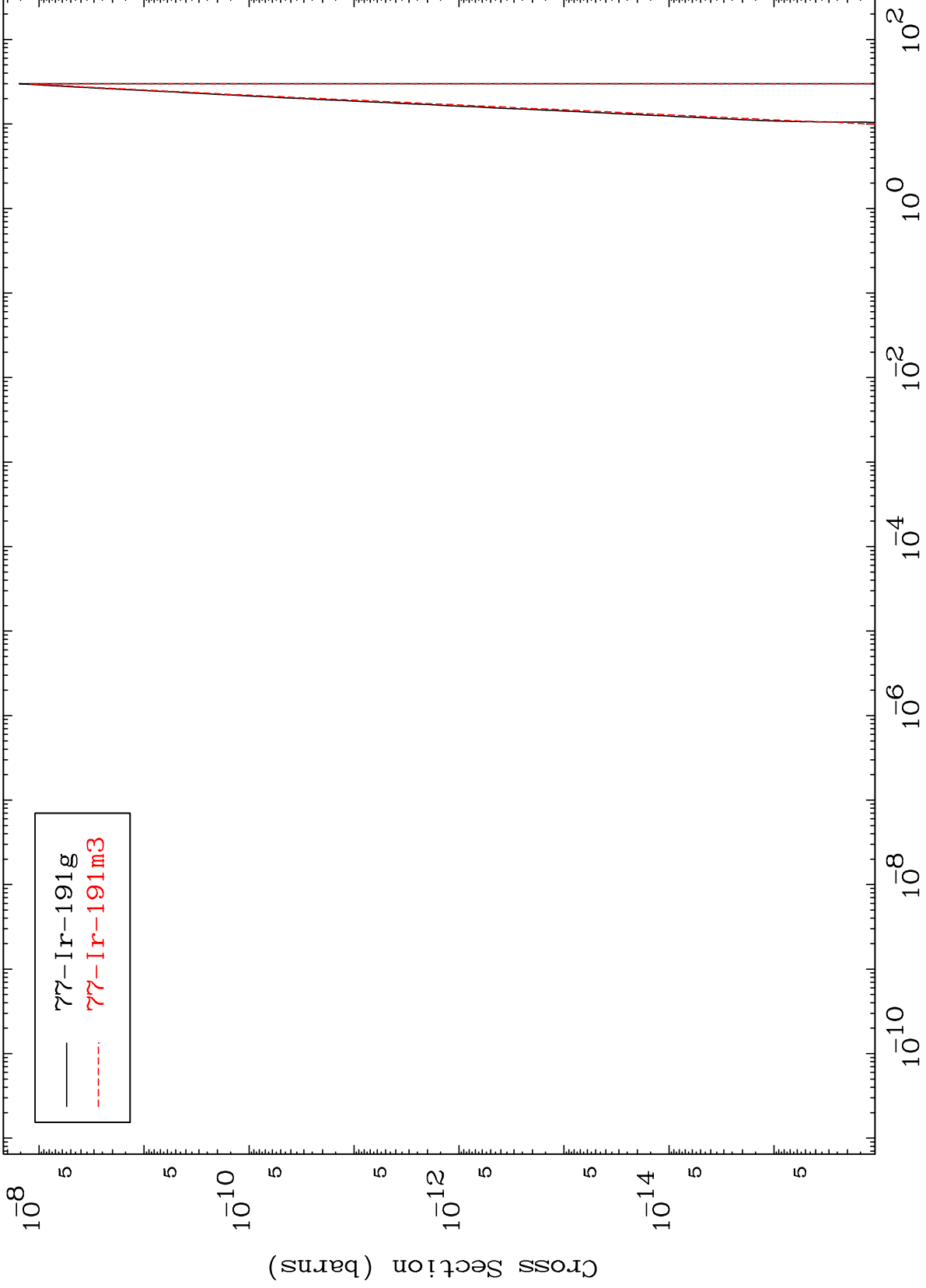


MAT 81111

(n,2α)

81-Tl-198m

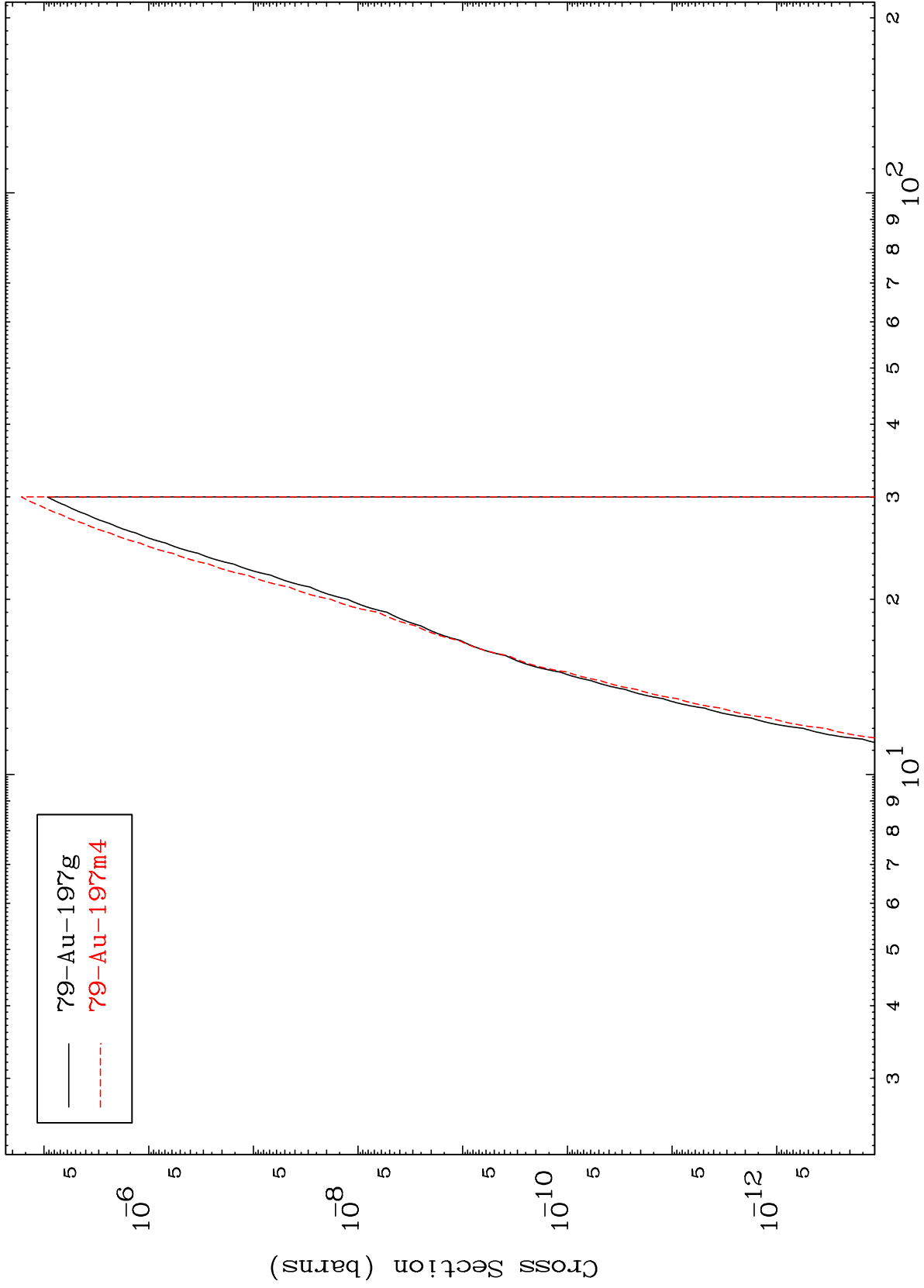
Radionuclide Production Cross Section



MAT 8111

81-TI-198m

(n,2p)
Radionuclide Production Cross Section



38

Incident Energy (MeV)

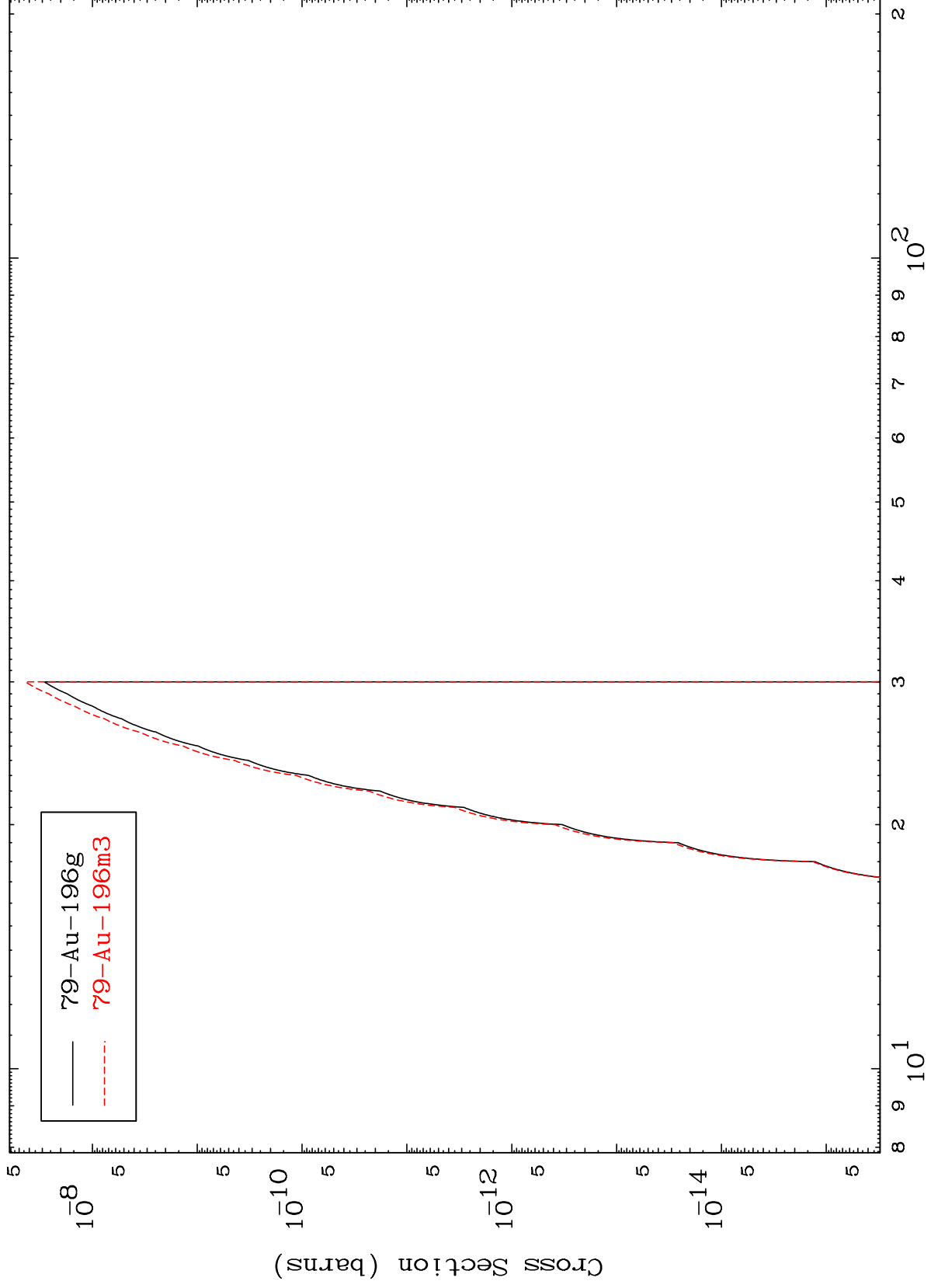
81-TI-198m

MAT 81111

(n,p) d

81-TI-198m

Radionuclide Production Cross Section



79-Au-196g
79-Au-196m3

39

Incident Energy (MeV)

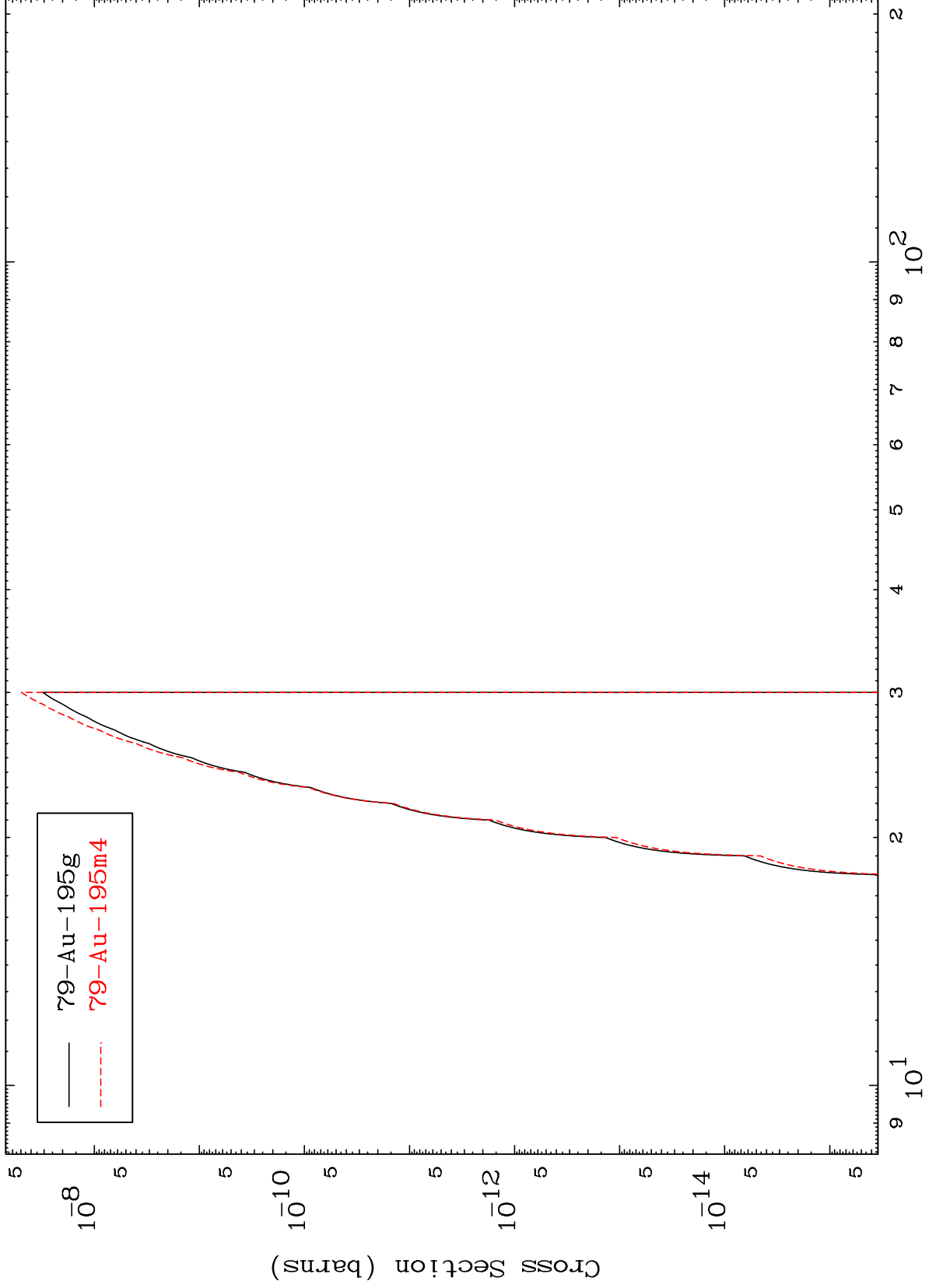
81-TI-198m

MAT 81111

(n,p) t

81-Tl-198m

Radionuclide Production Cross Section



40

Incident Energy (MeV)

81-Tl-198m

MAT 81111

(n,d) α

81-TI-198m

Radionuclide Production Cross Section

