

Program EVALPLOT
(Version 2021-1)

by

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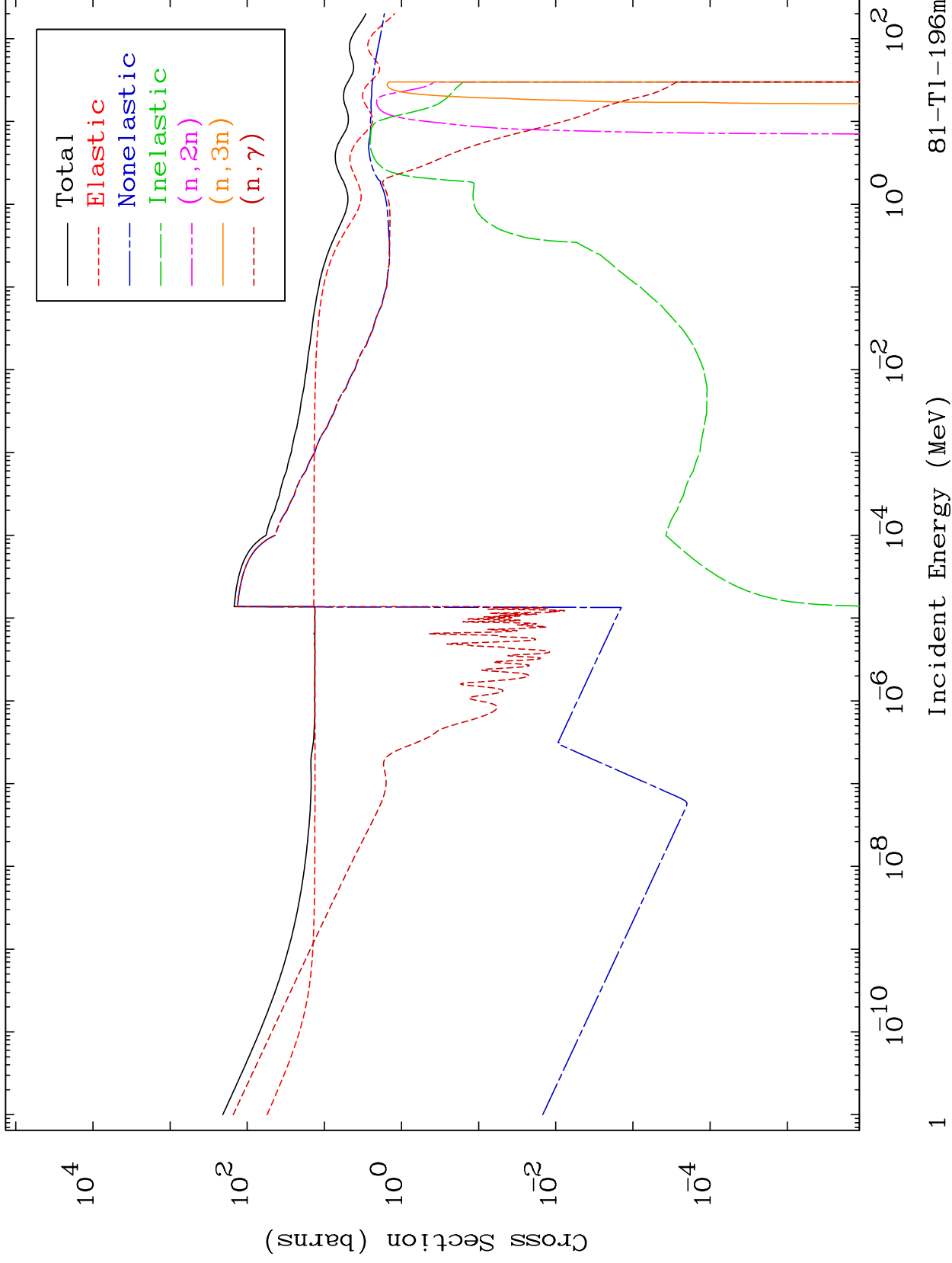
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Press Mouse Button to Start

MAT 8105

Neutron Major
293 Kelvin Cross Sections

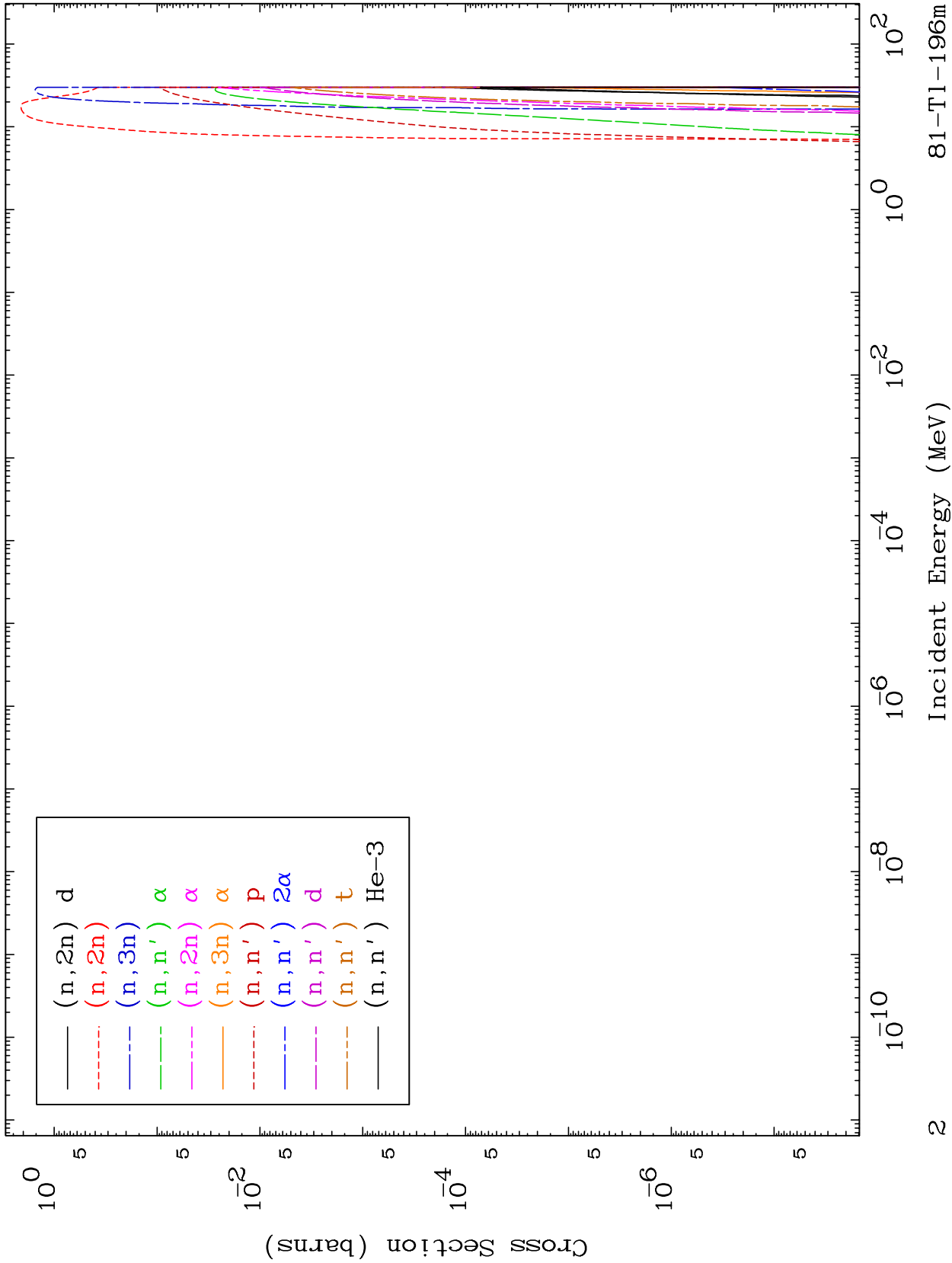
81-TI-196m

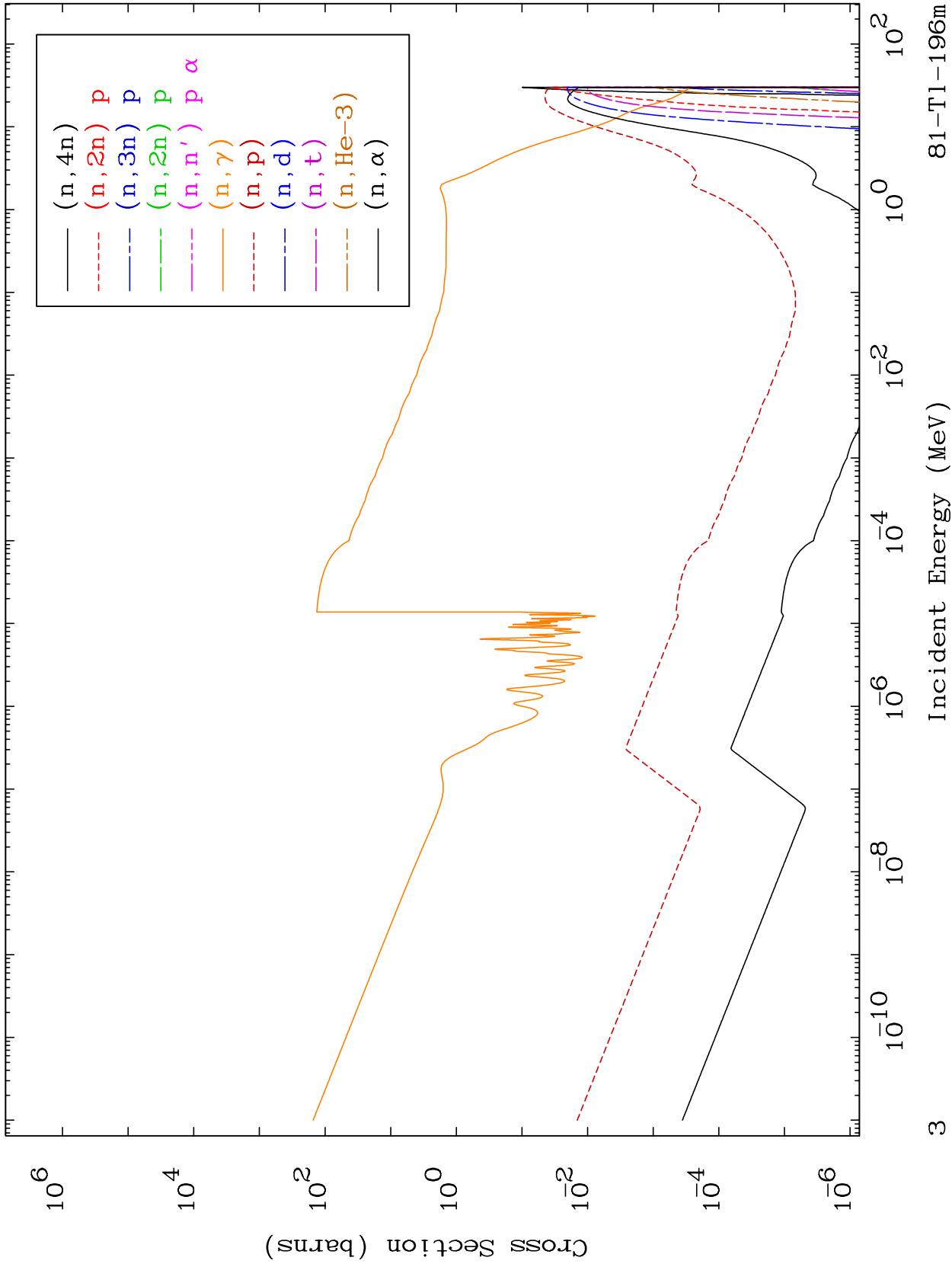


MAT 8105

Neutron Absorption
293 Kelvin Cross Sections

81-TI-196m

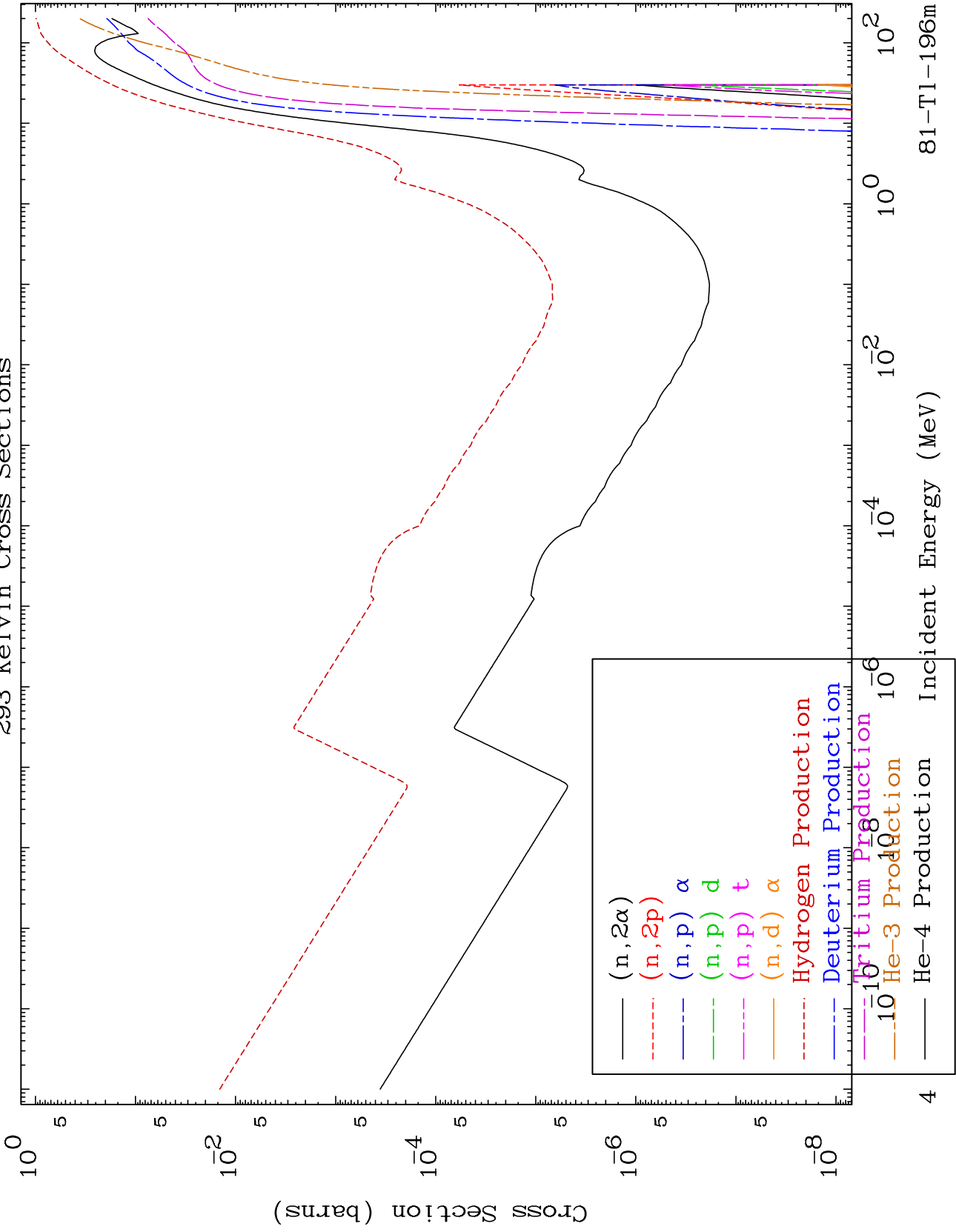




MAT 8105

Neutron Absorption
293 Kelvin Cross Sections

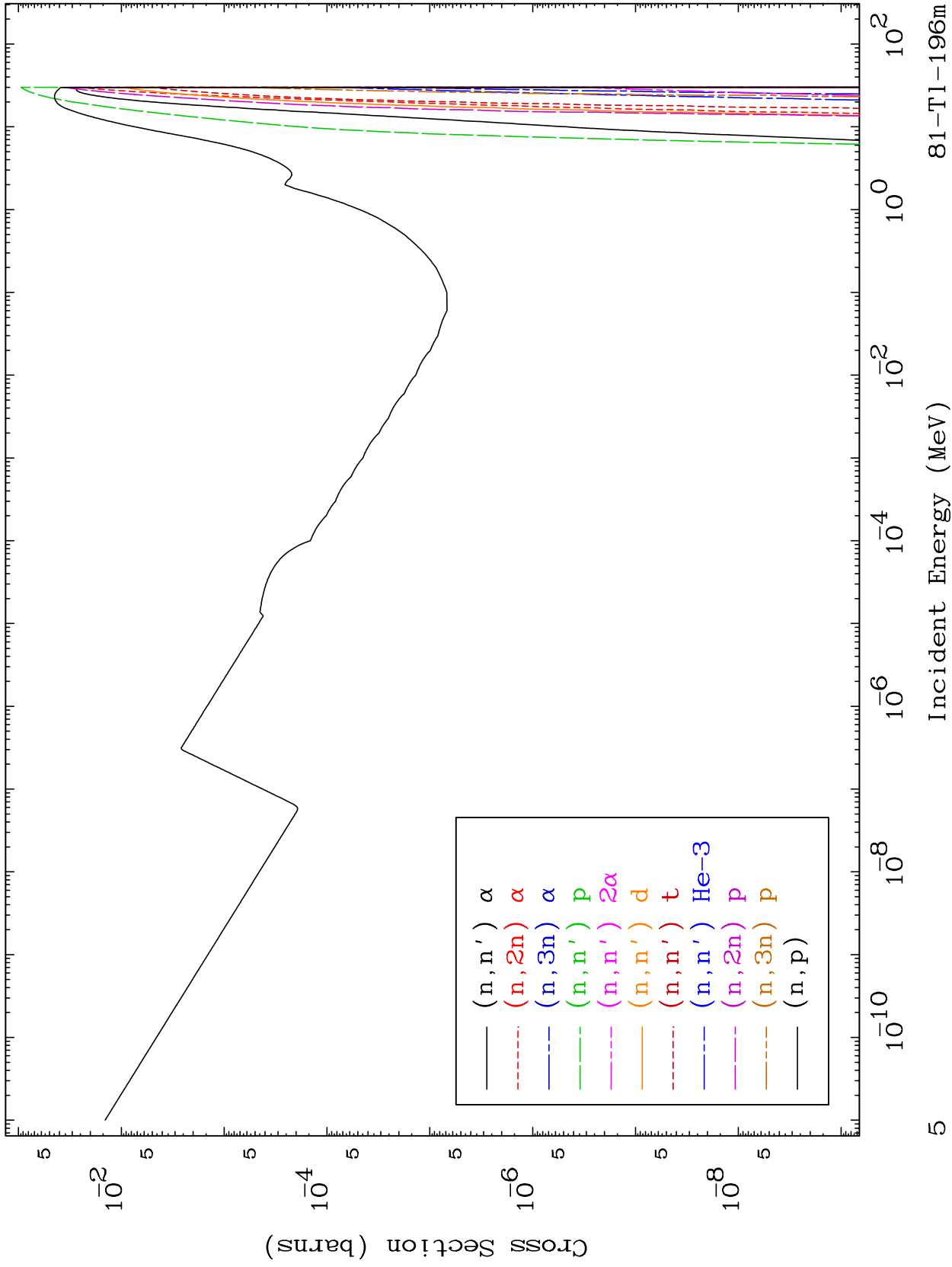
81-TI-196m



MAT 8105

Charged Particle
293 Kelvin Cross Sections

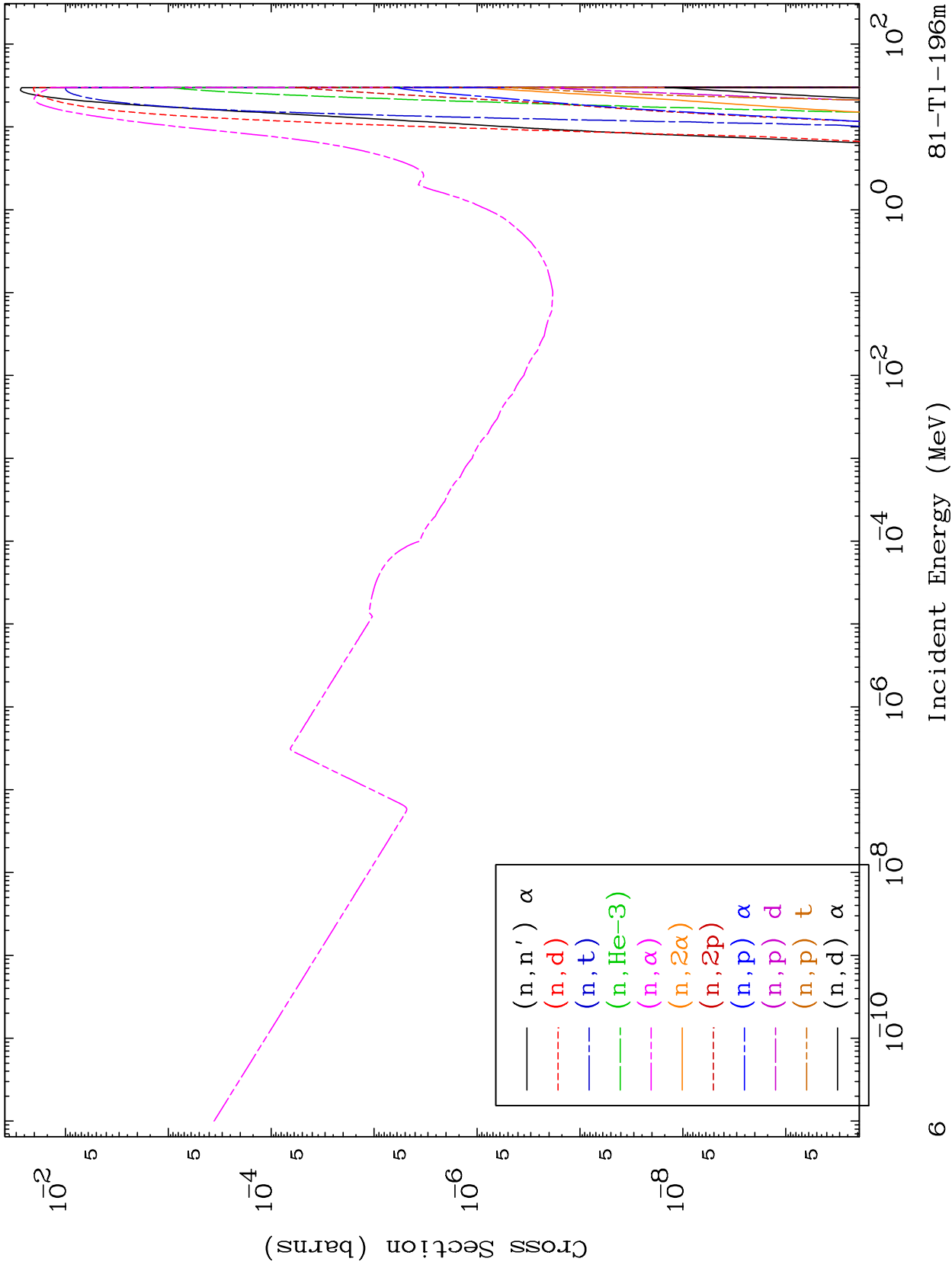
81-Tl-196m



MAT 8105

Charged Particle
293 Kelvin Cross Sections

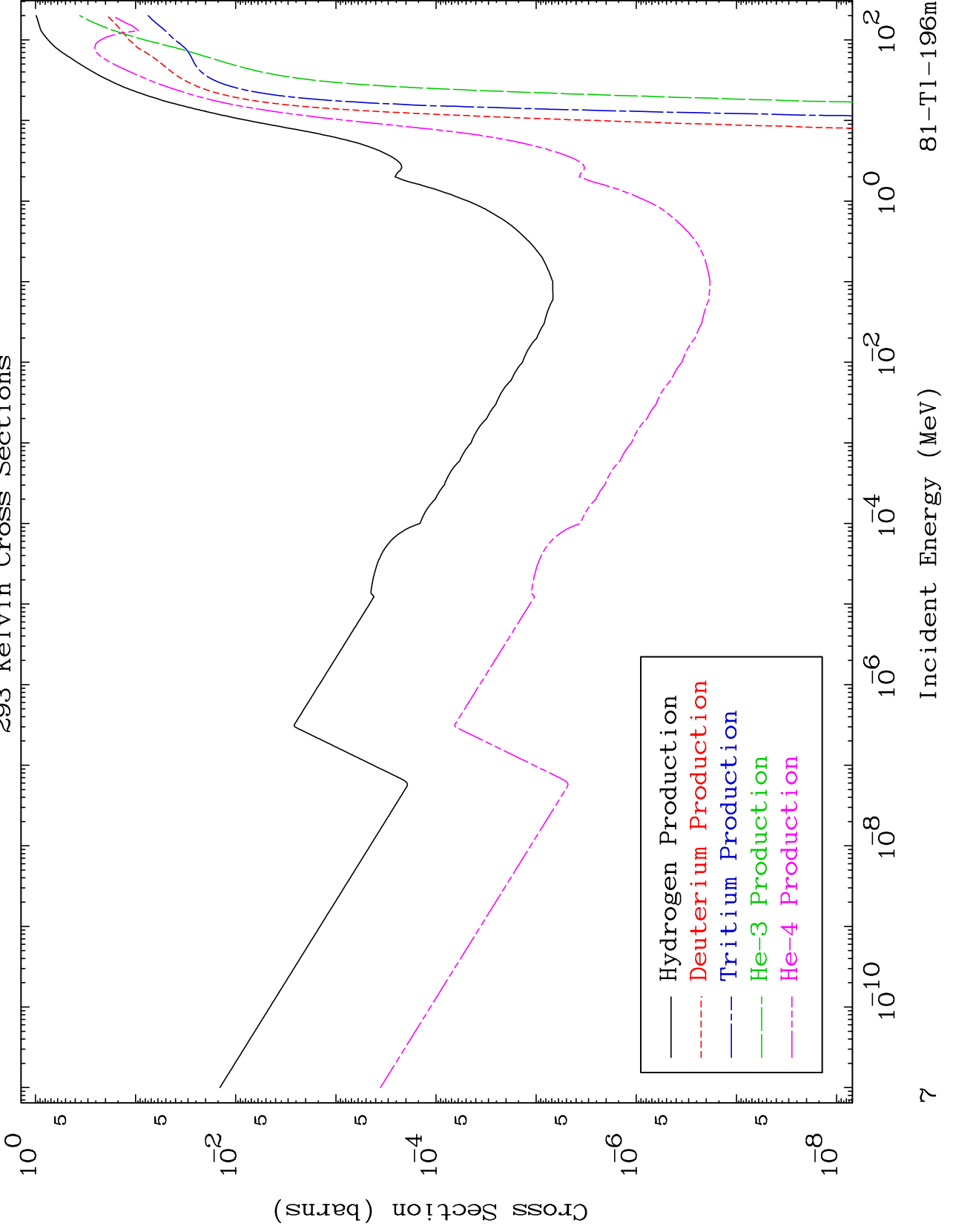
81-Tl-196m



MAT 8105

Particle Production
293 Kelvin Cross Sections

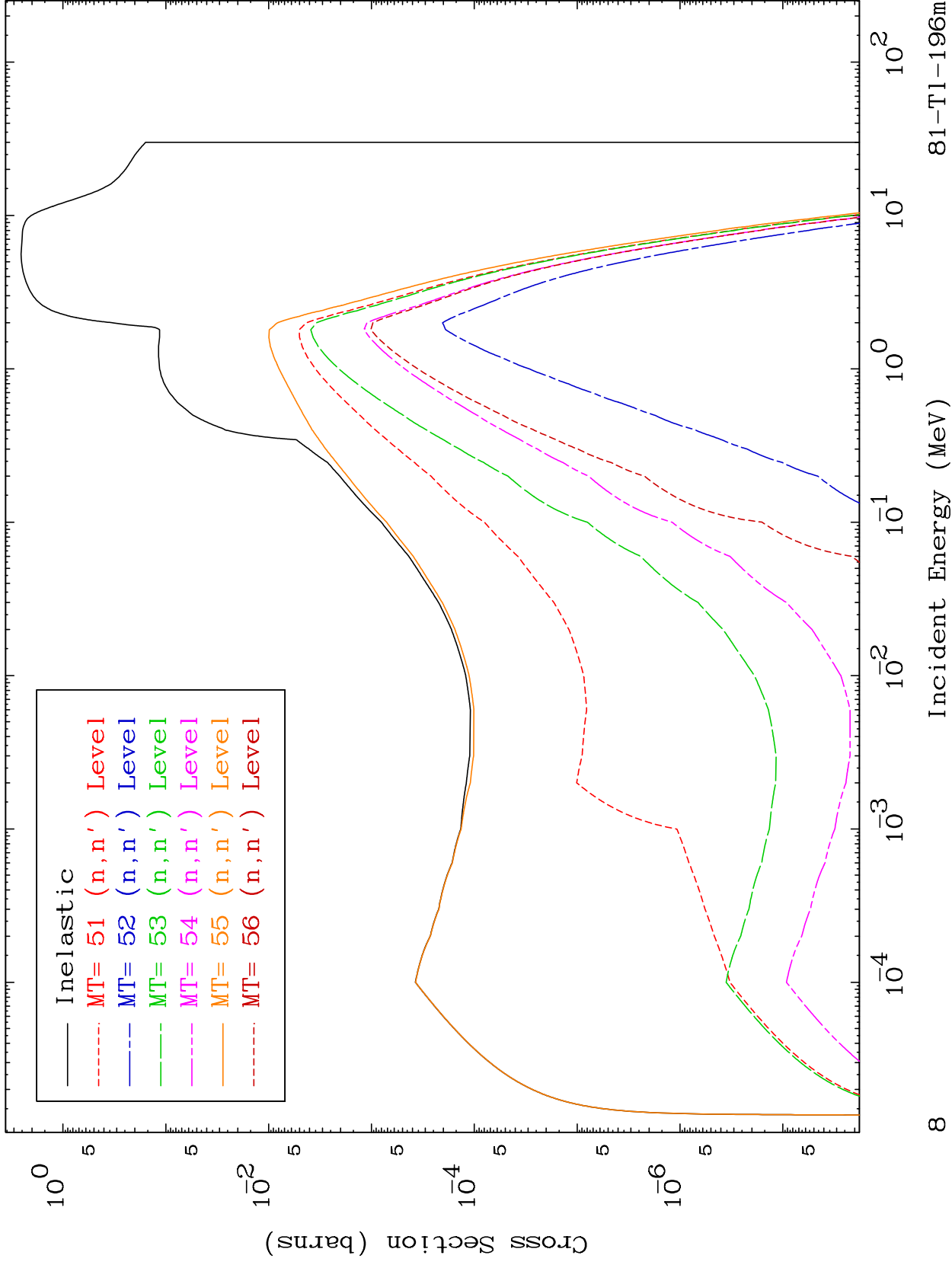
81-TI-196m



MAT 8105

(n,n') Levels
293 Kelvin Cross Sections

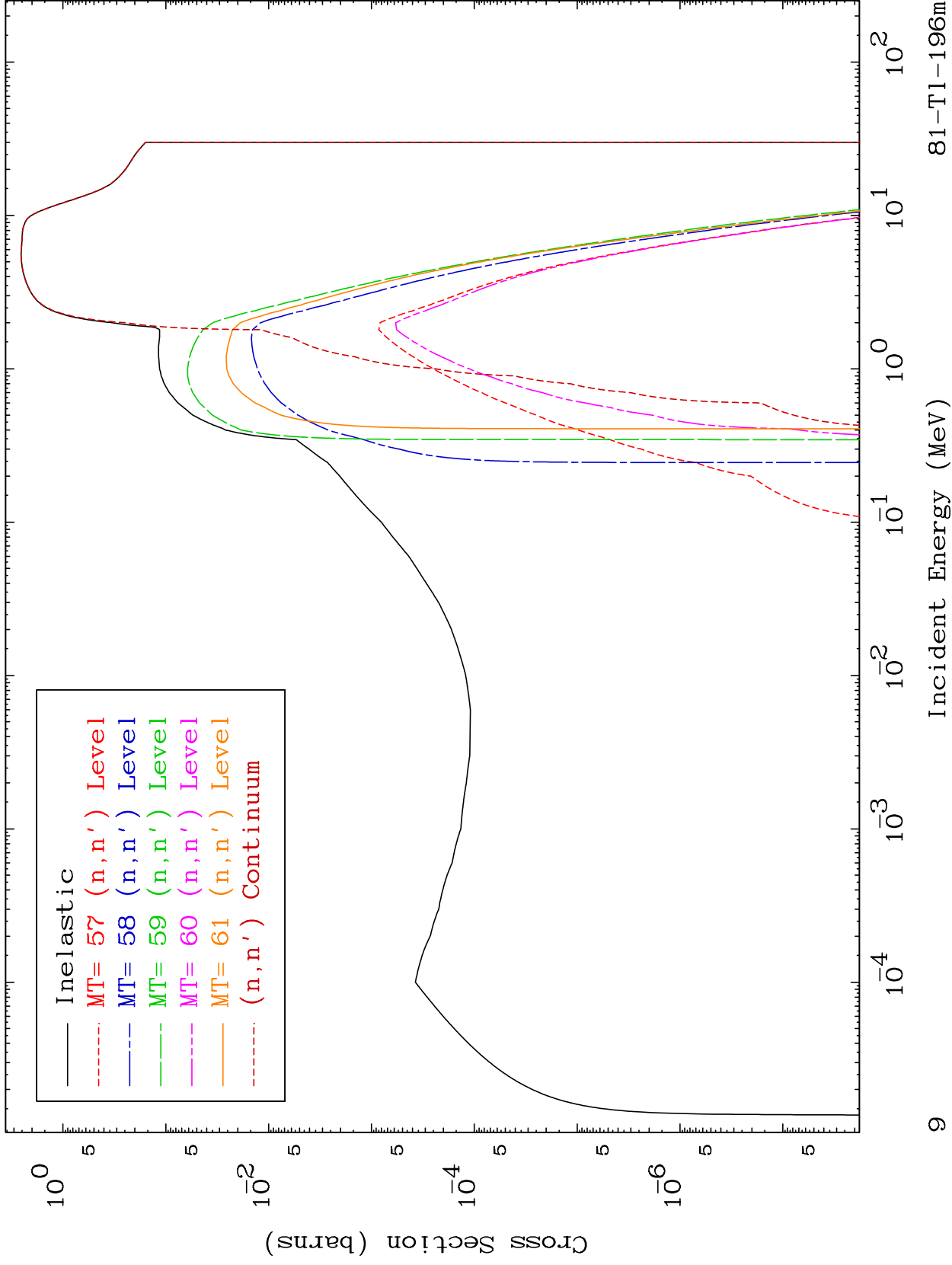
81-TI-196m



MAT 8105

(n,n') Levels
293 Kelvin Cross Sections

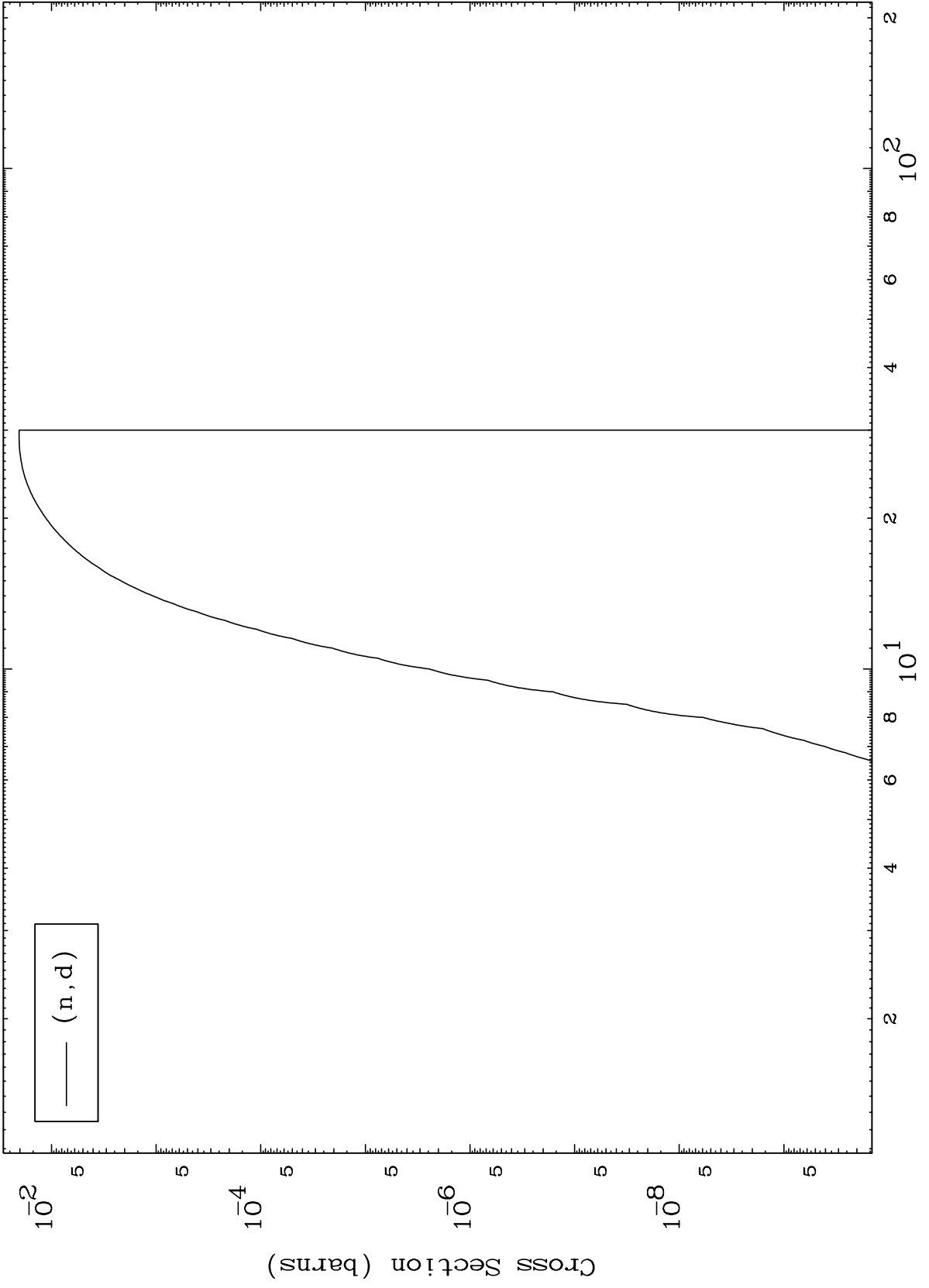
81-TI-196m



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(n,d) Levels
293 Kelvin Cross Sections

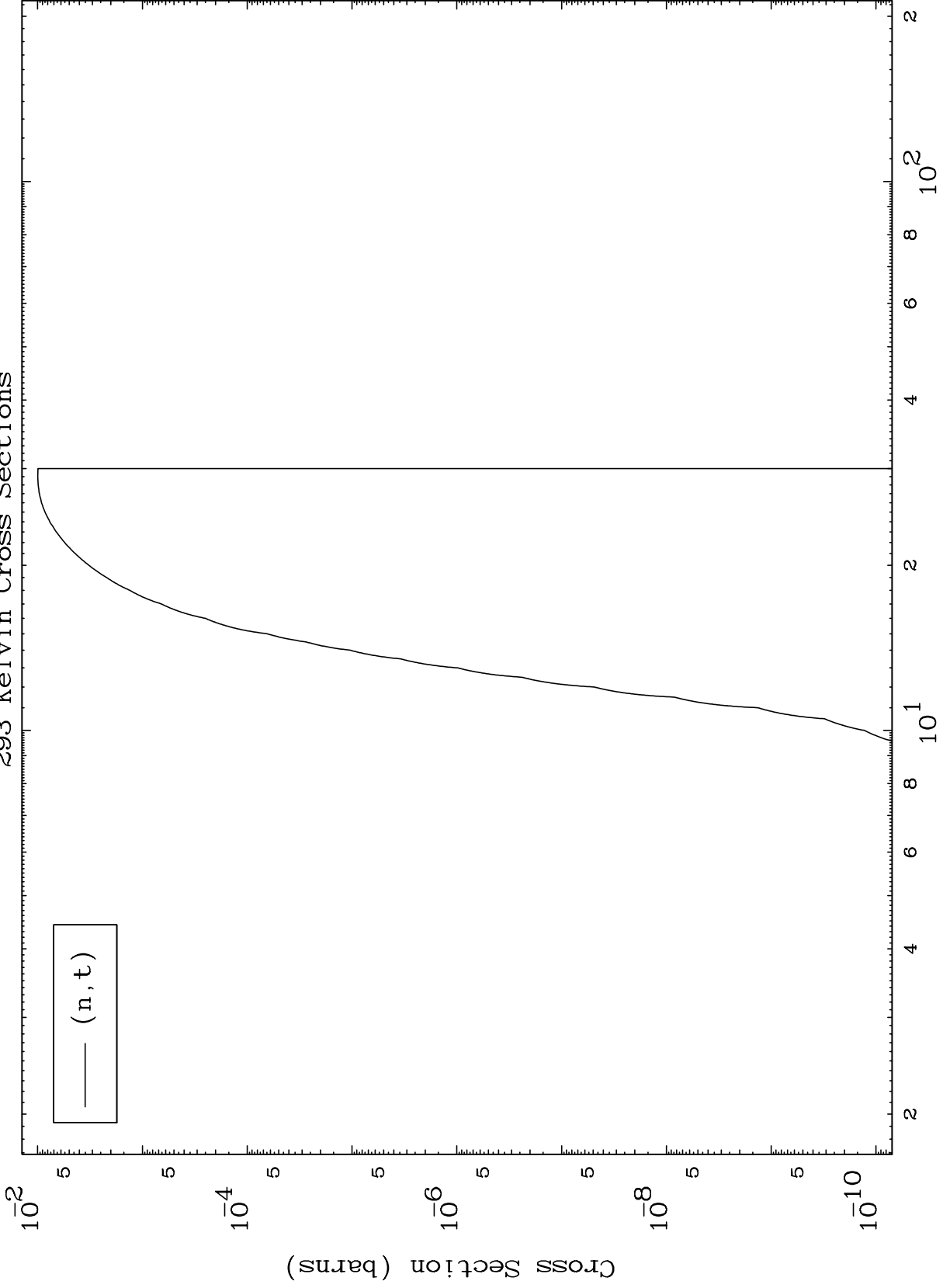
81-Tl-196m



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(n,t) Levels
293 Kelvin Cross Sections

81-Tl-196m



12

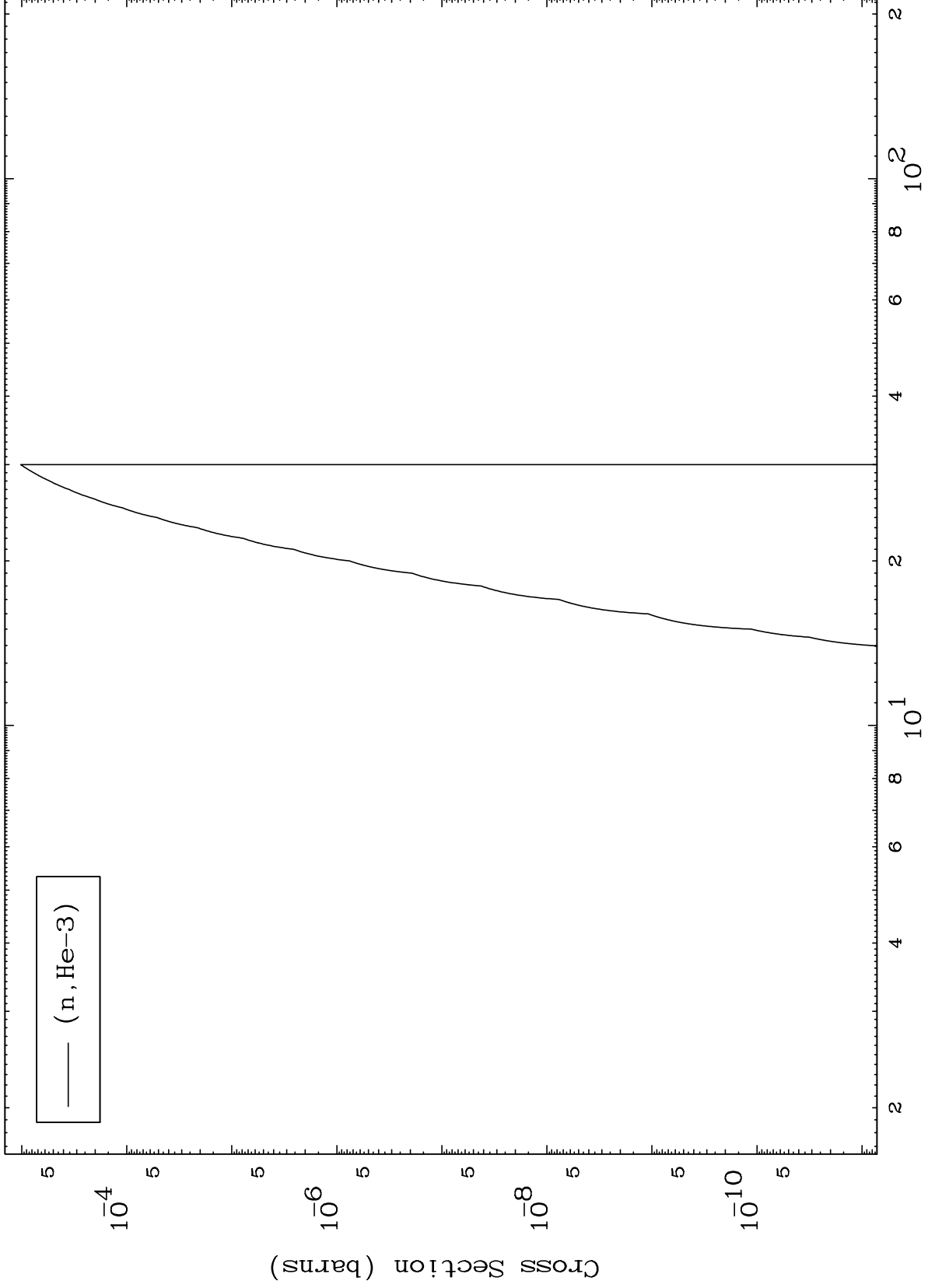
Incident Energy (MeV)

81-Tl-196m

MAT 8105

(n,He3) Levels
293 Kelvin Cross Sections

81-TI-196m



13

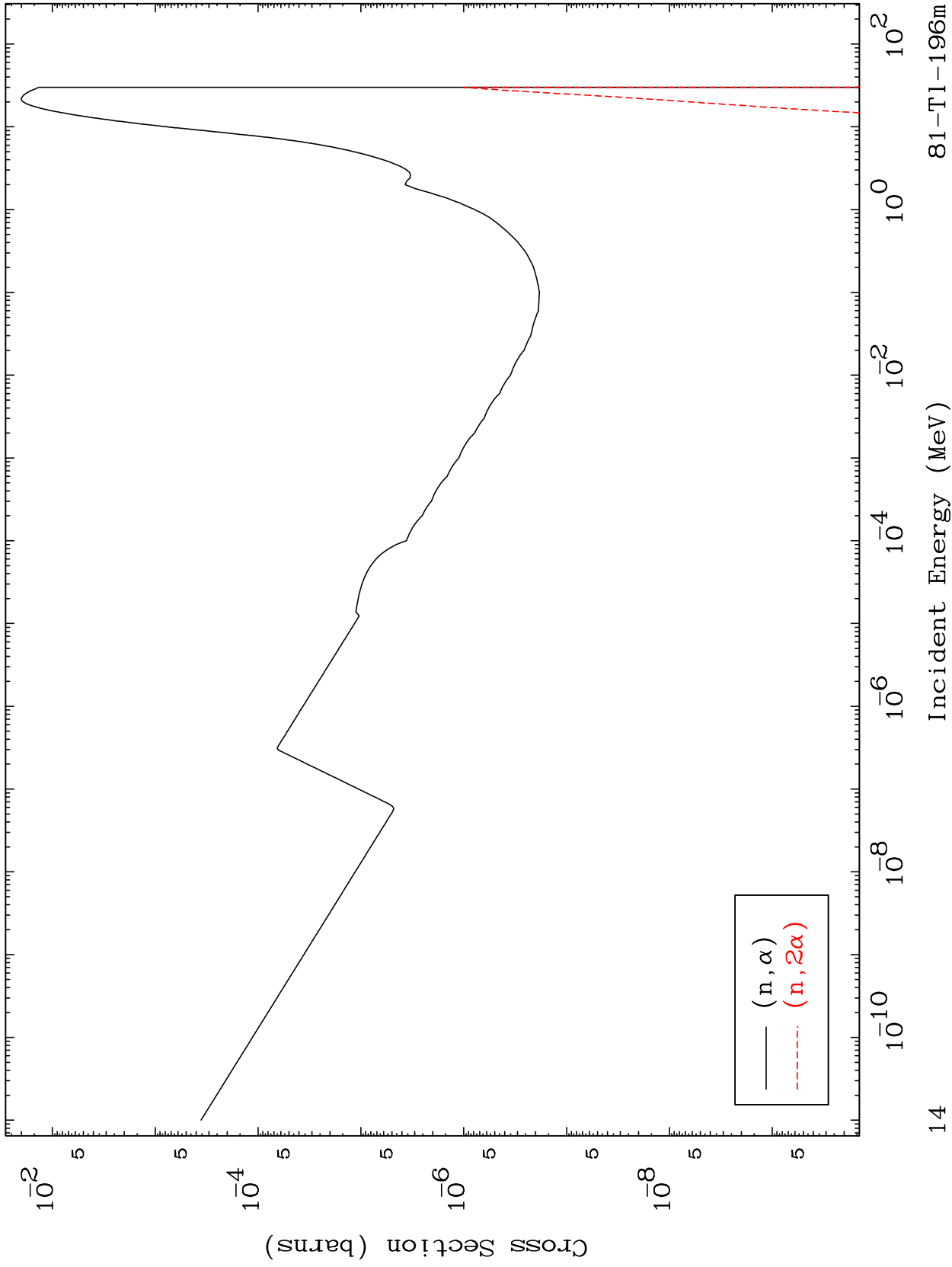
Incident Energy (MeV)

81-TI-196m

MAT 8105

(n,α) Levels
293 Kelvin Cross Sections

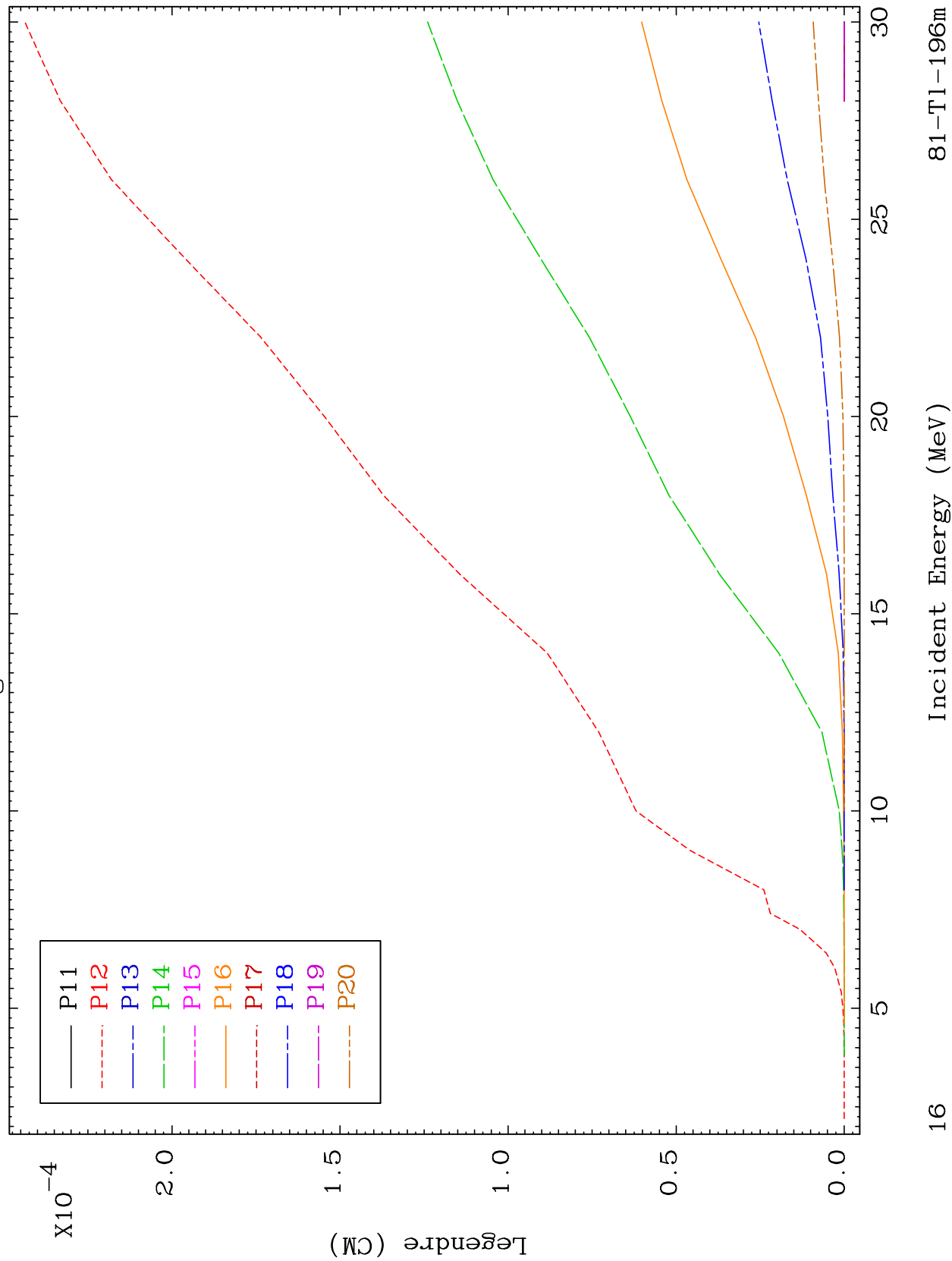
81-Tl-196m



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Elastic Legendre Coefficients

81-TI-196m

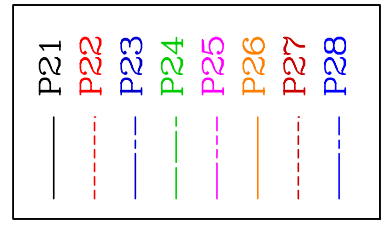


- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18
- P19
- P20

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Elastic Legendre Coefficients

81-TI-196m



$\times 10^{-6}$
1.5
1.0
0.5
0.0

Legendre (CM)



17

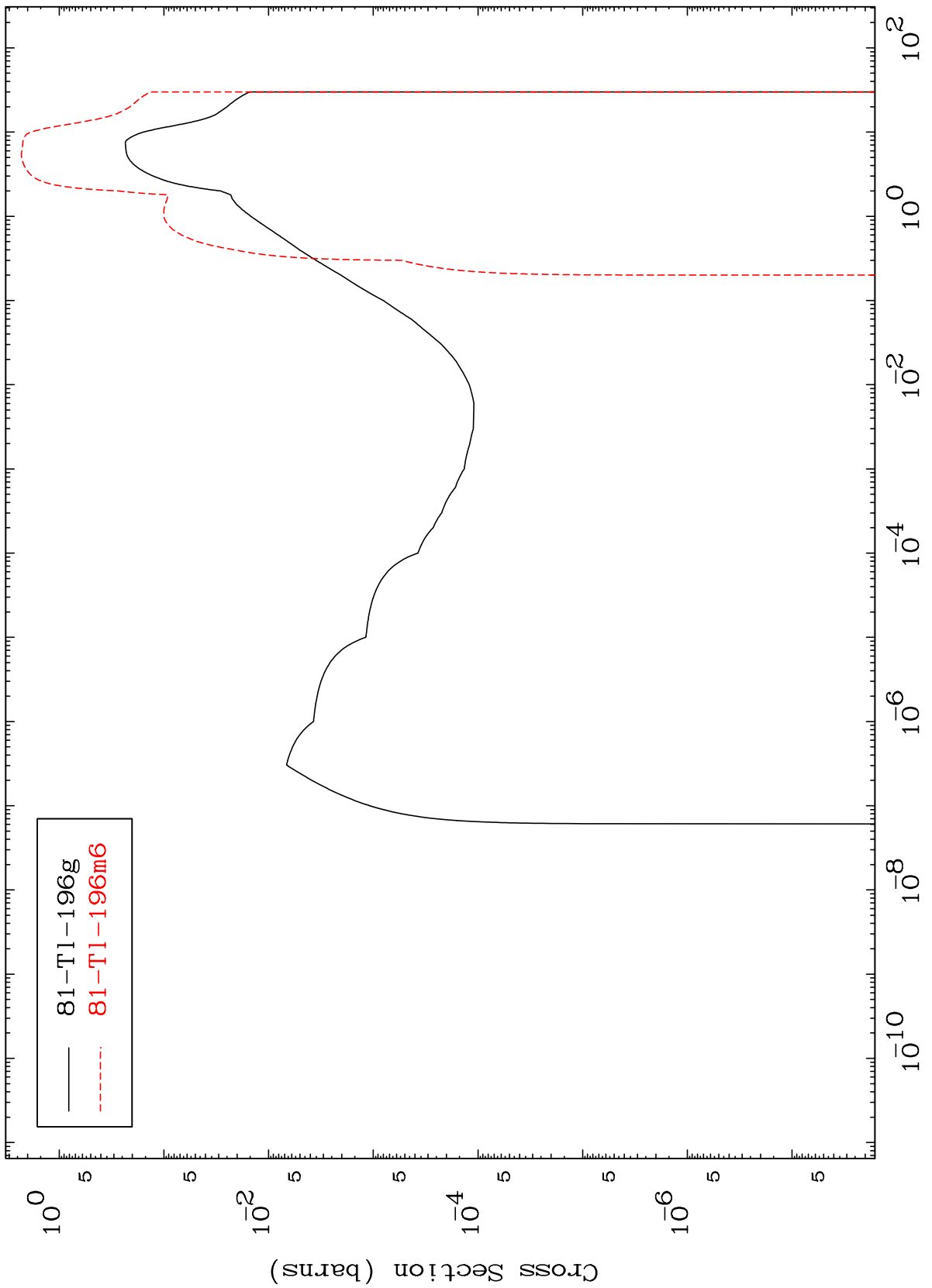
Incident Energy (MeV)

81-TI-196m

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Inelastic
Radionuclide Production Cross Section

81-Tl-196m



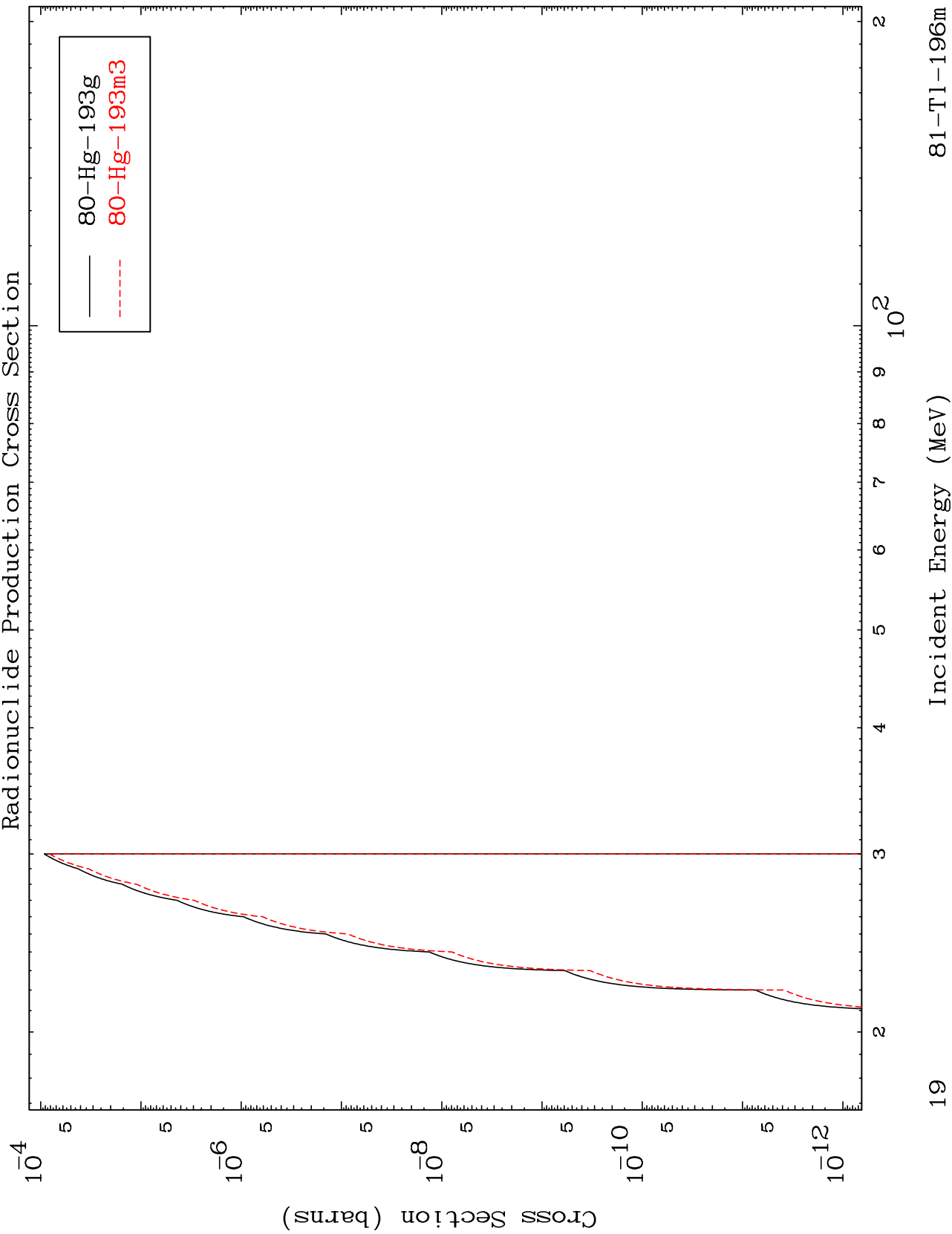
81-Tl-196g
81-Tl-196m6

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(n,2n) d

81-TI-196m

Radionuclide Production Cross Section



19

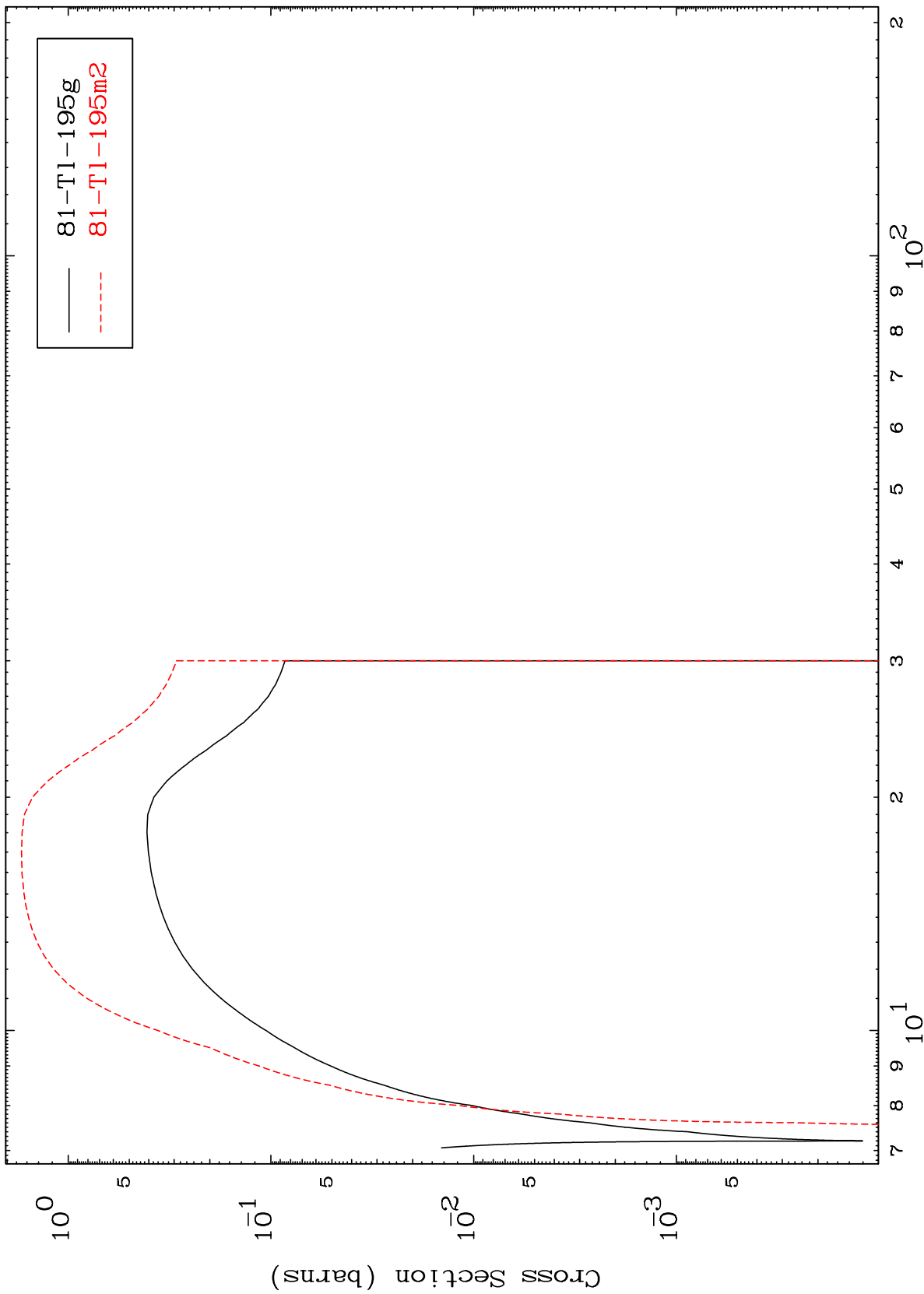
Incident Energy (MeV)

81-TI-196m

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81-Tl-196m

(n,2n)
Radionuclide Production Cross Section

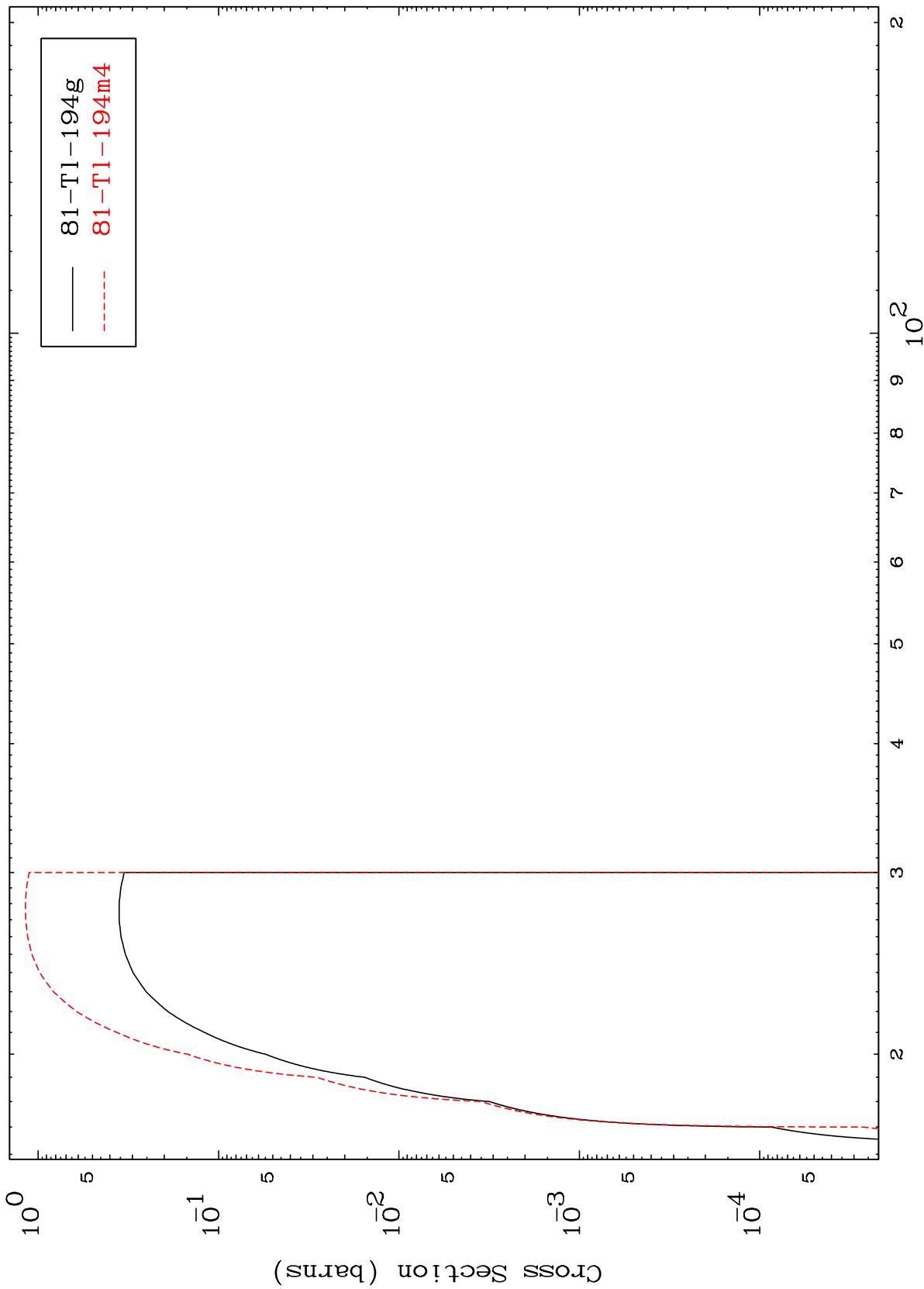


81-Tl-196m

Incident Energy (MeV)

20

(n,3n)
Radionuclide Production Cross Section

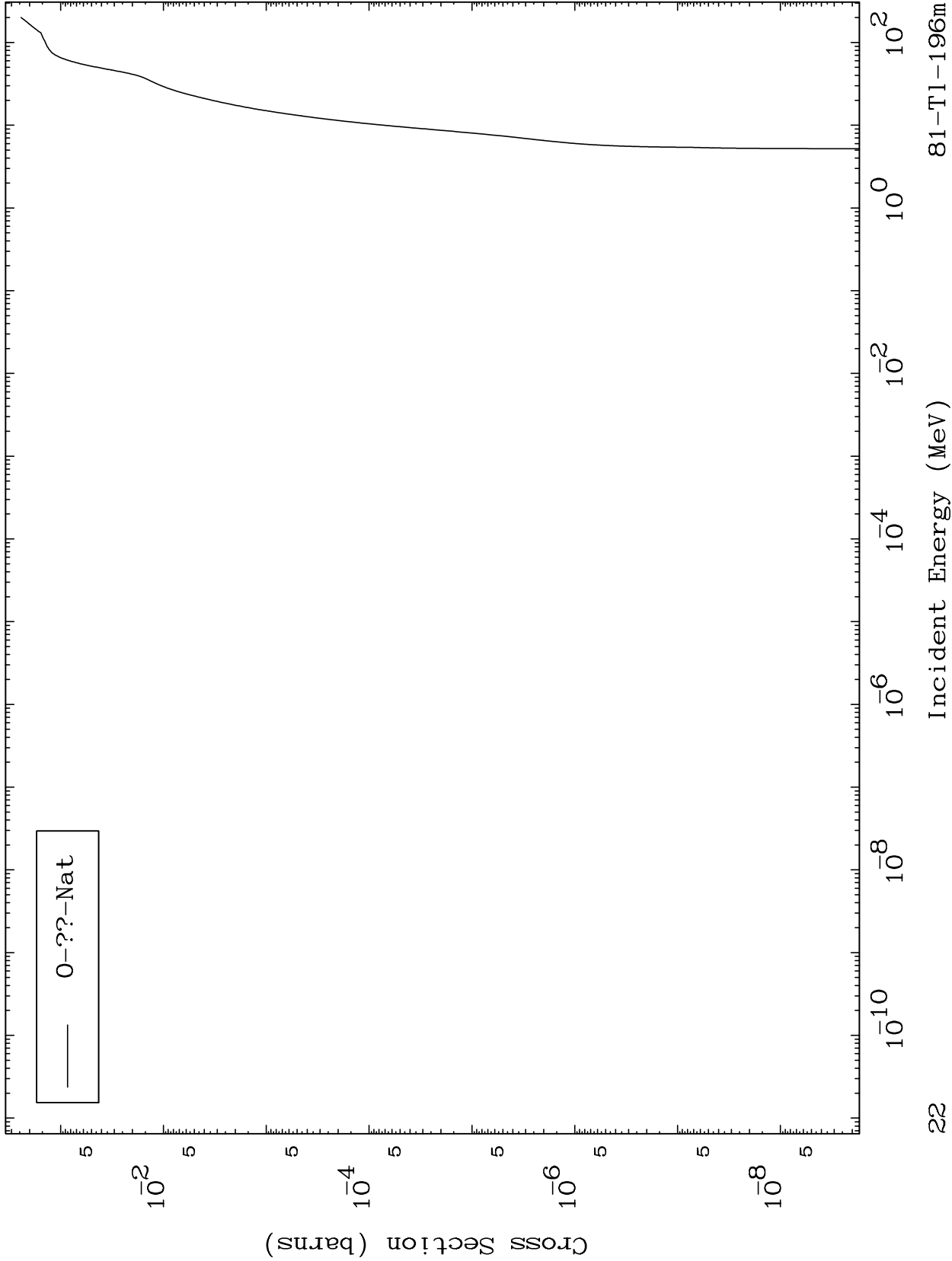


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Fission

81-Tl-196m

Radionuclide Production Cross Section

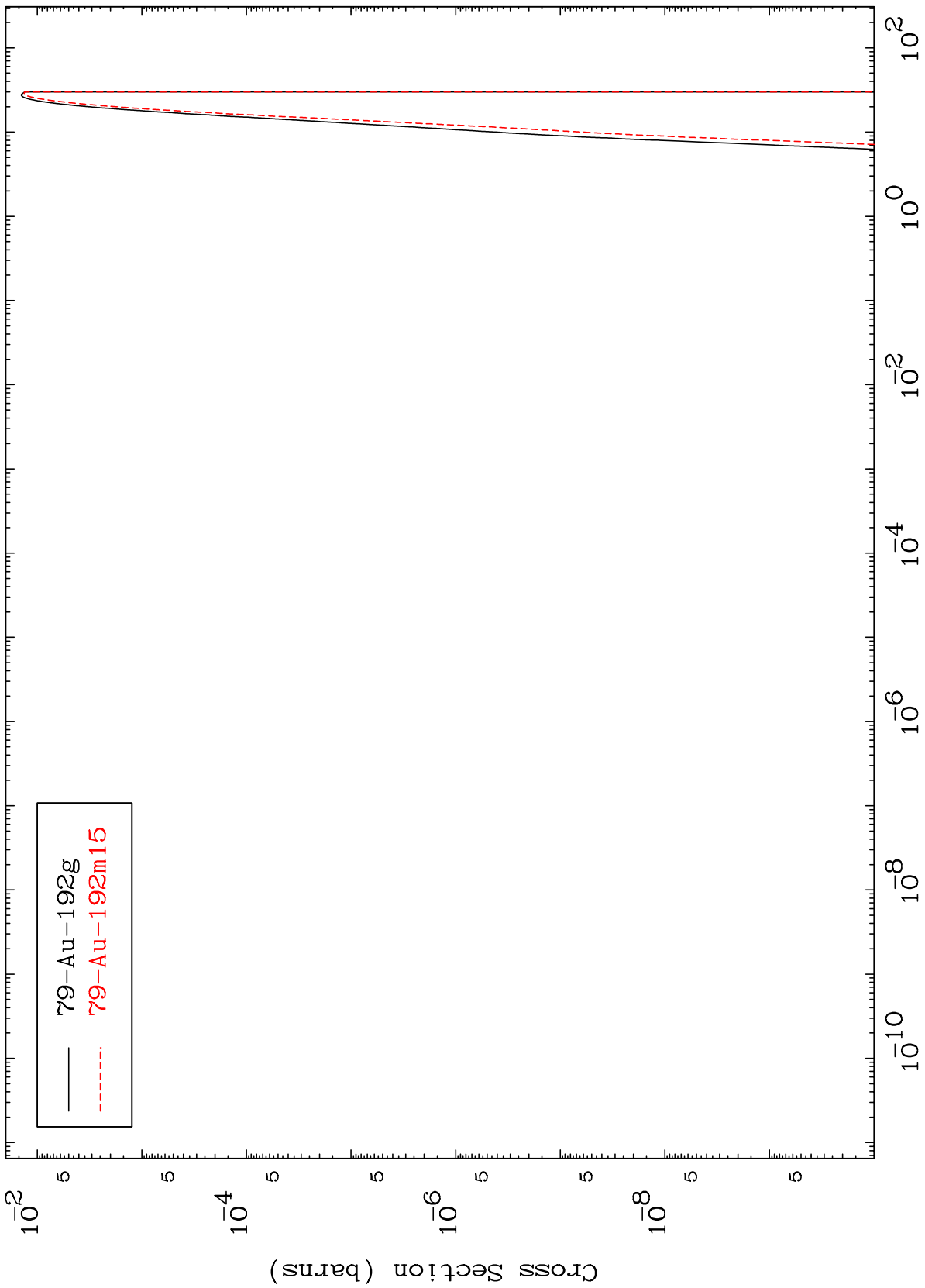


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$(n, n') \alpha$

81-Tl-196m

Radionuclide Production Cross Section

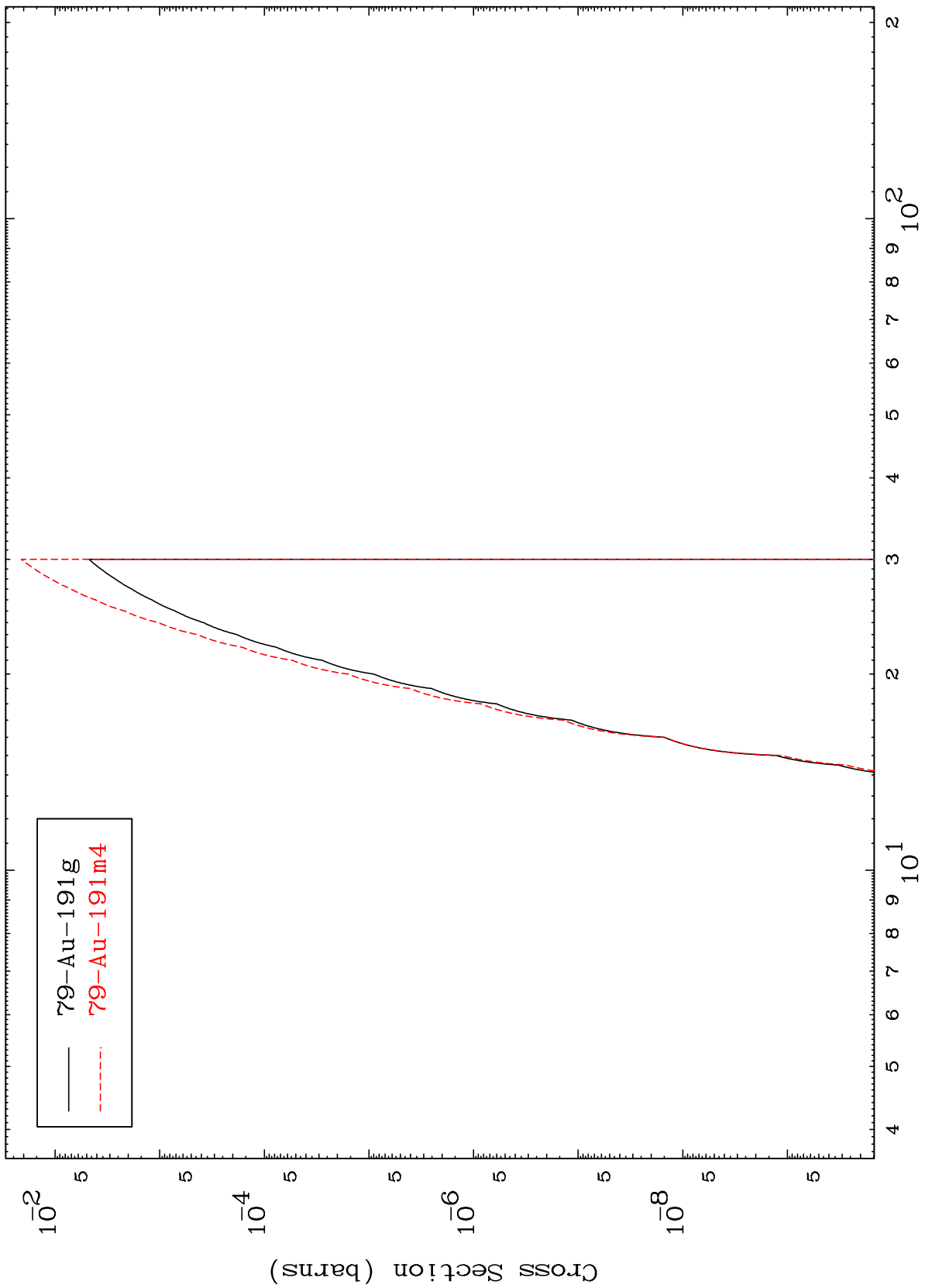


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(n,2n) α

81-Tl-196m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

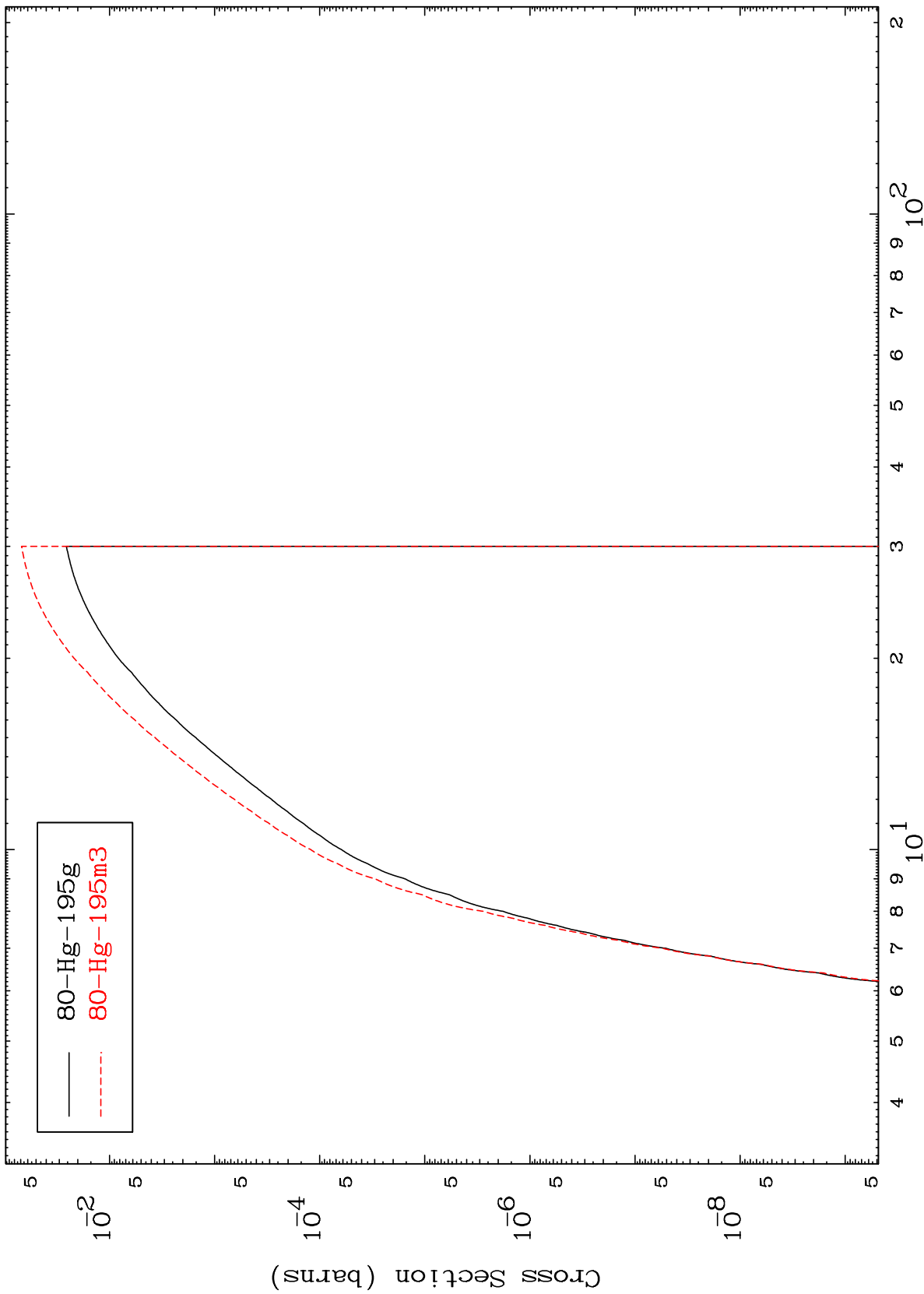
81-Tl-196m

MAT 8105

(n,n') p

81-TI-196m

Radionuclide Production Cross Section



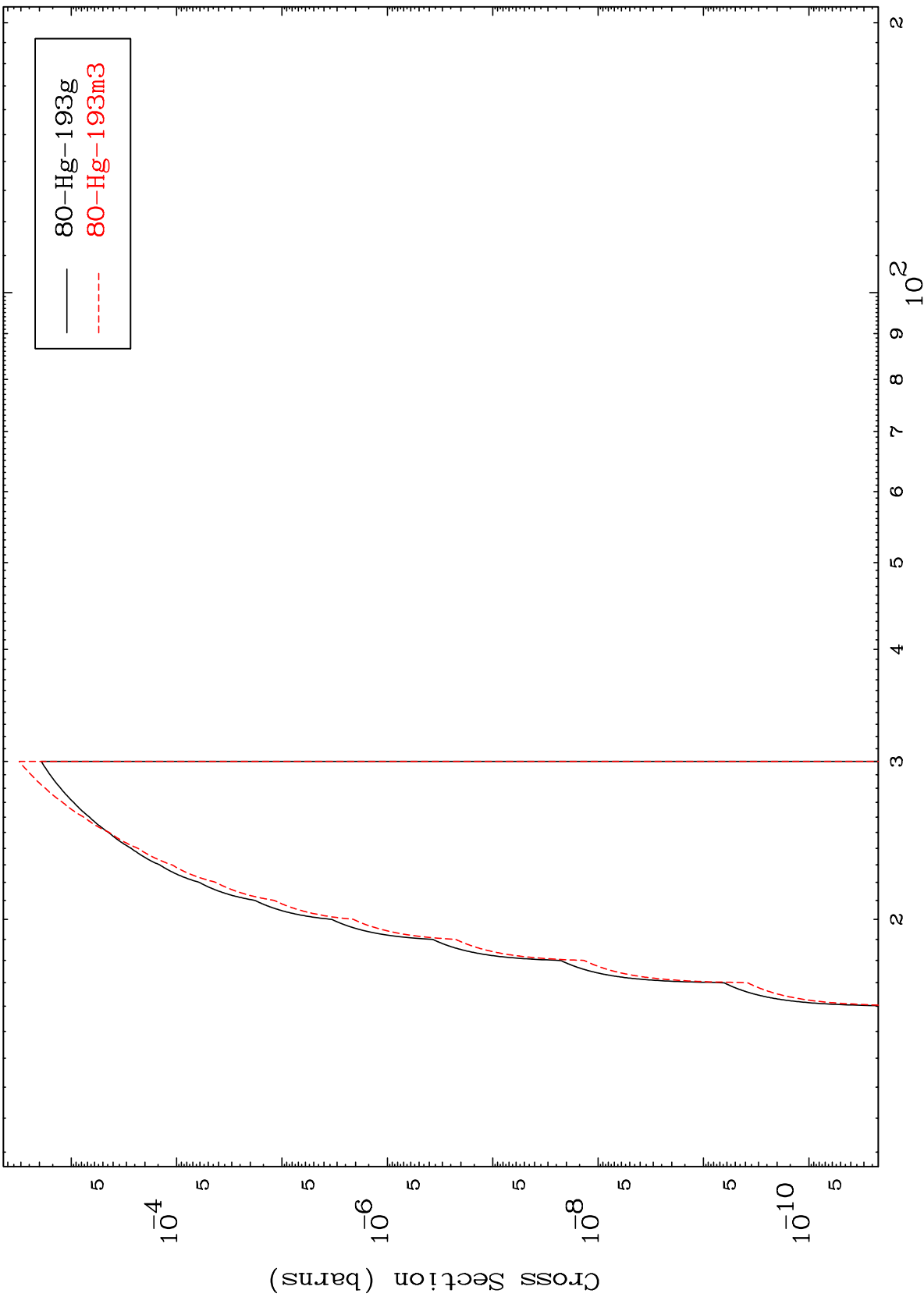
80-Hg-195g
80-Hg-195m3

Incident Energy (MeV)

81-TI-196m

25

Radionuclide Production Cross Section

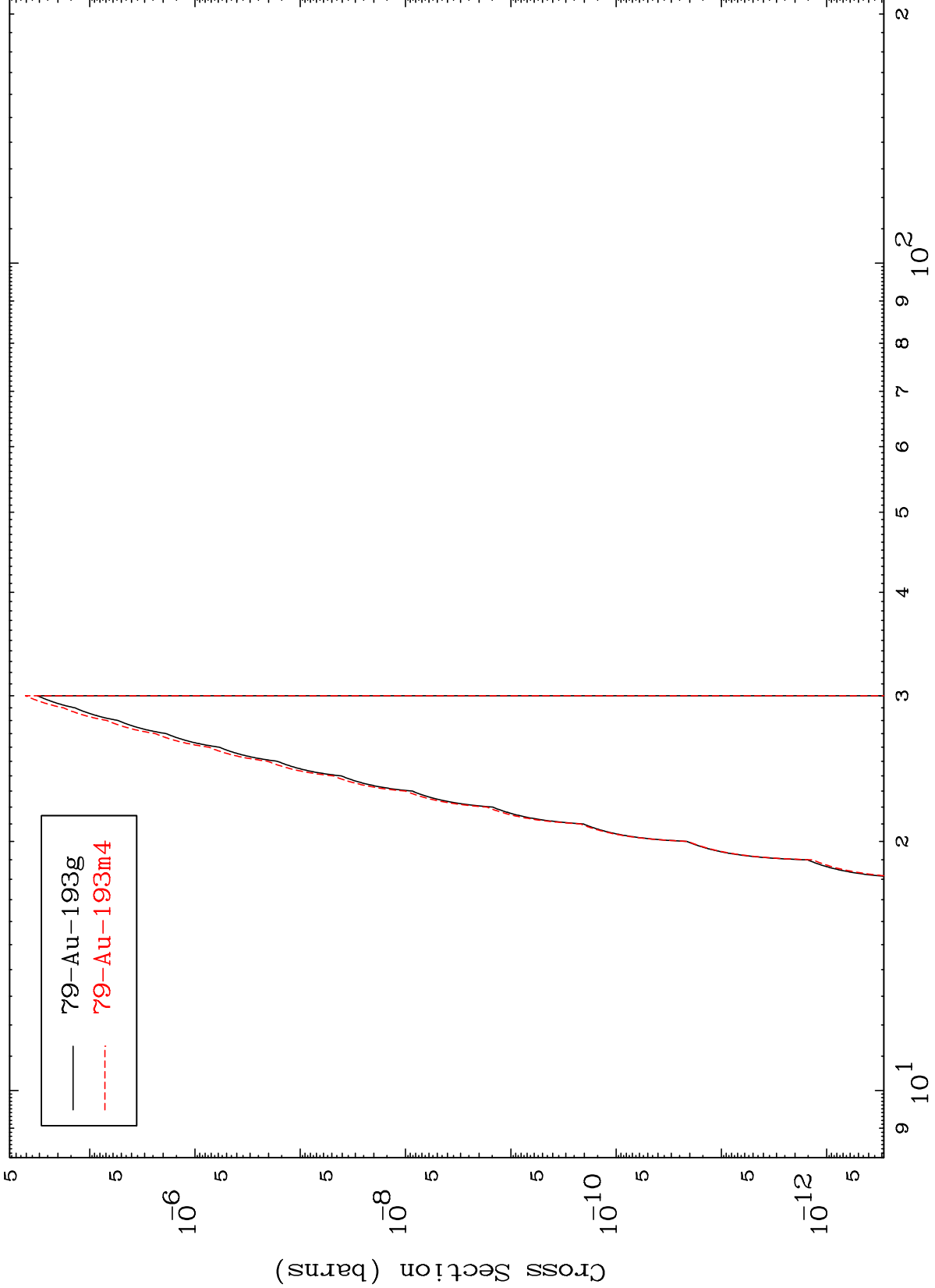


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(n,n') He-3

81-Tl-196m

Radionuclide Production Cross Section



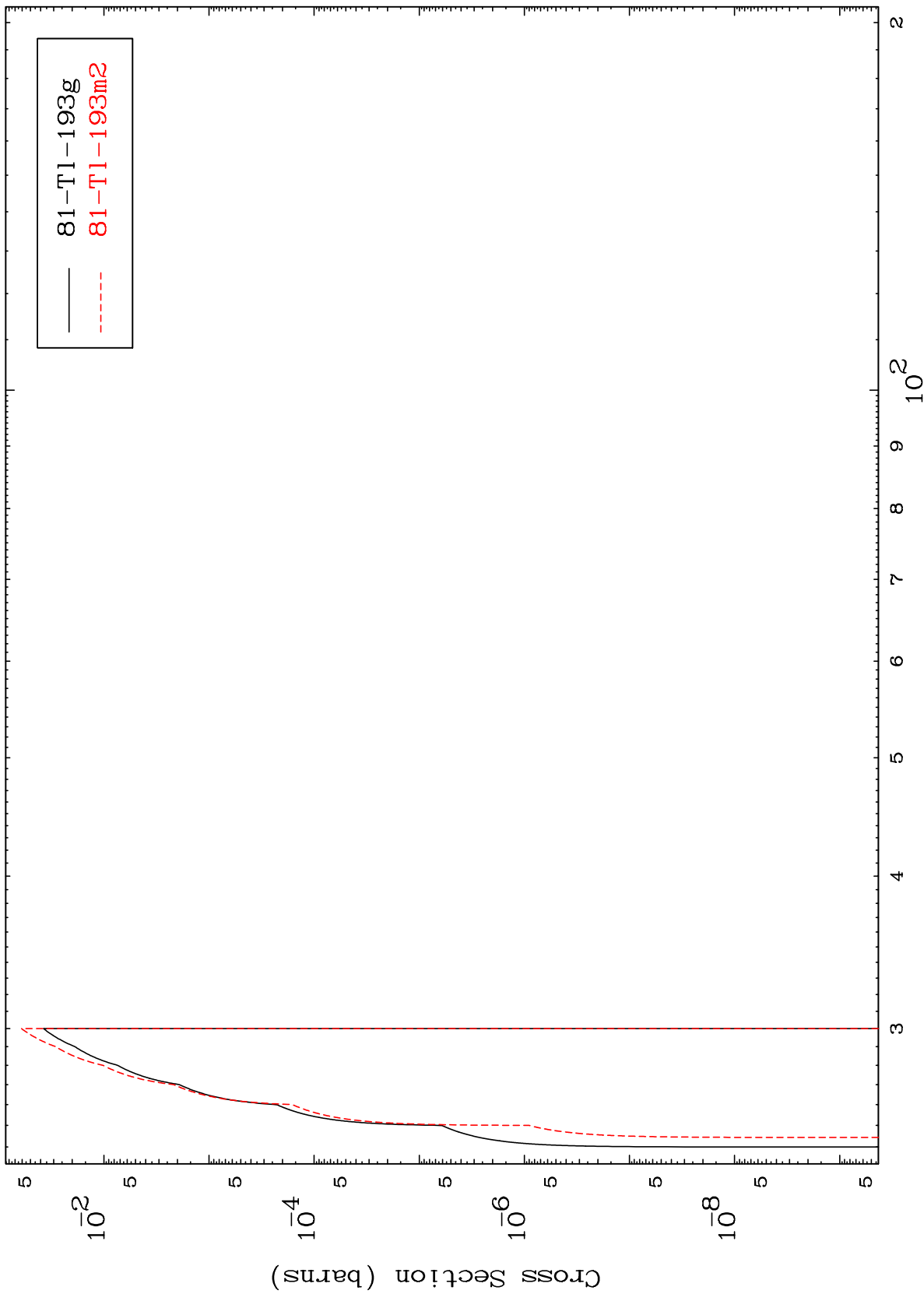
79-Au-193g
79-Au-193m4

27

Incident Energy (MeV)

81-Tl-196m

(n,4n)
Radionuclide Production Cross Section

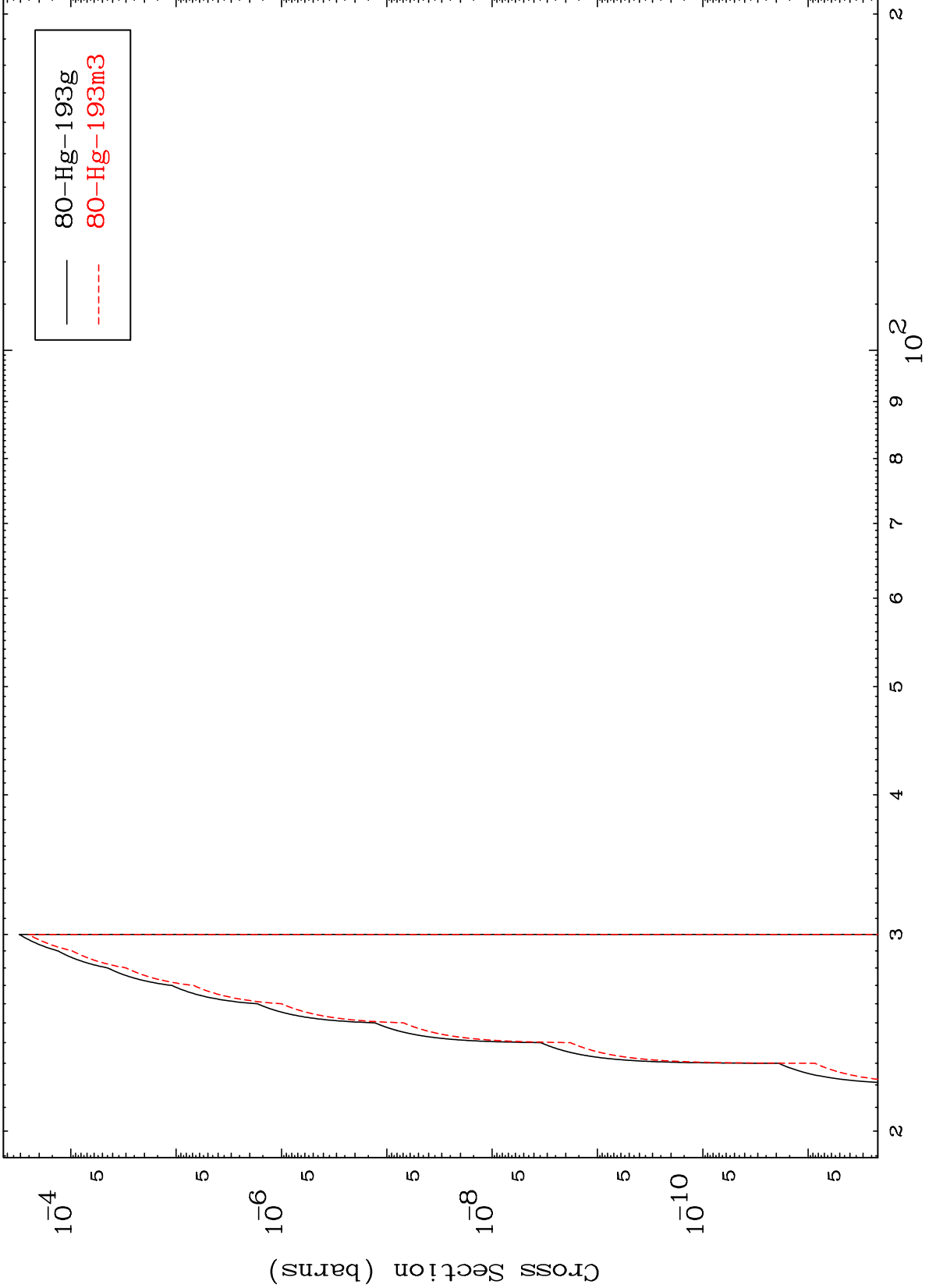


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(n,3n) p

81-TI-196m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

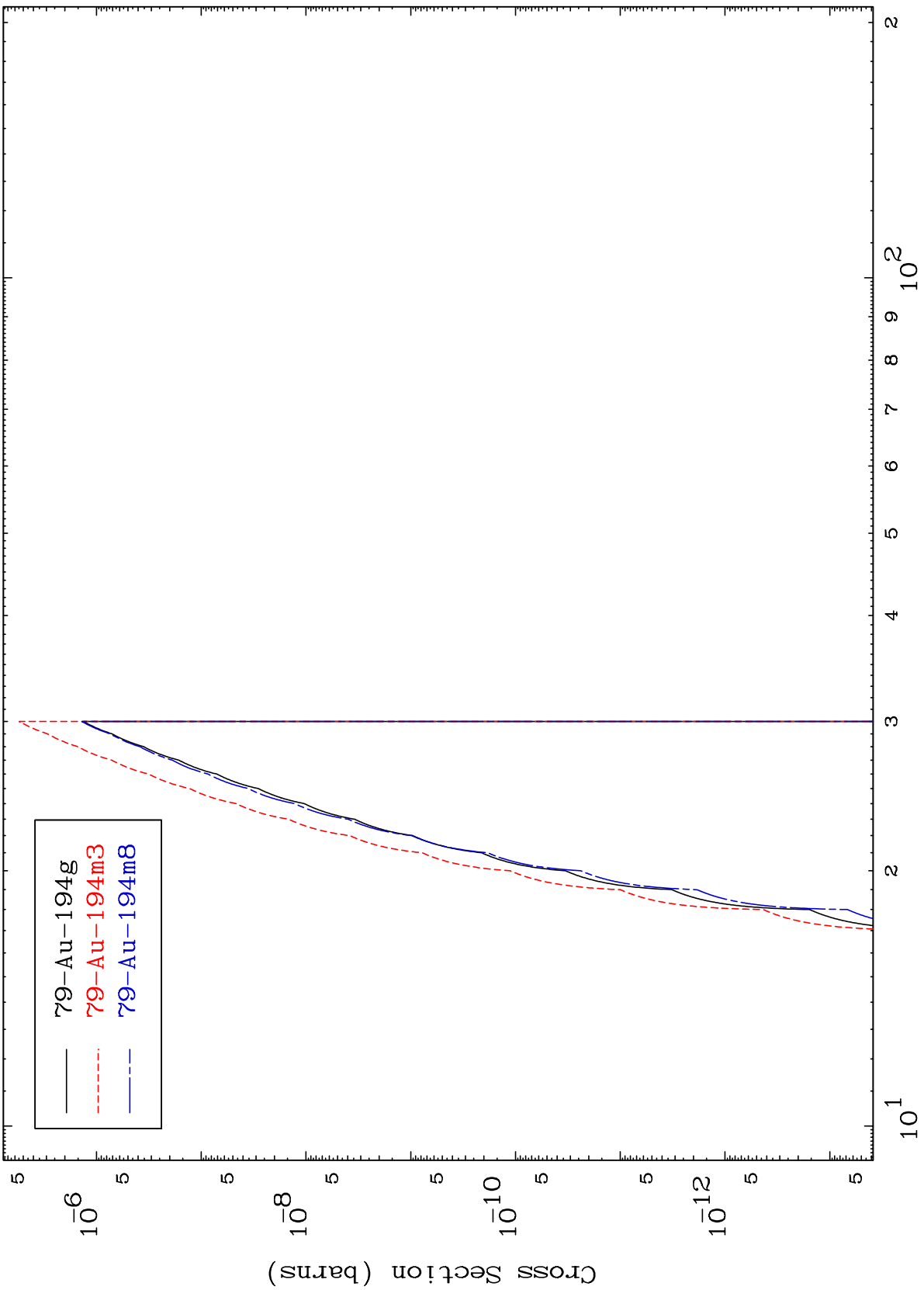
81-TI-196m

MAT 8105

(n,2n) p

81-Tl-196m

Radionuclide Production Cross Section



79-Au-194g
79-Au-194m3
79-Au-194m8

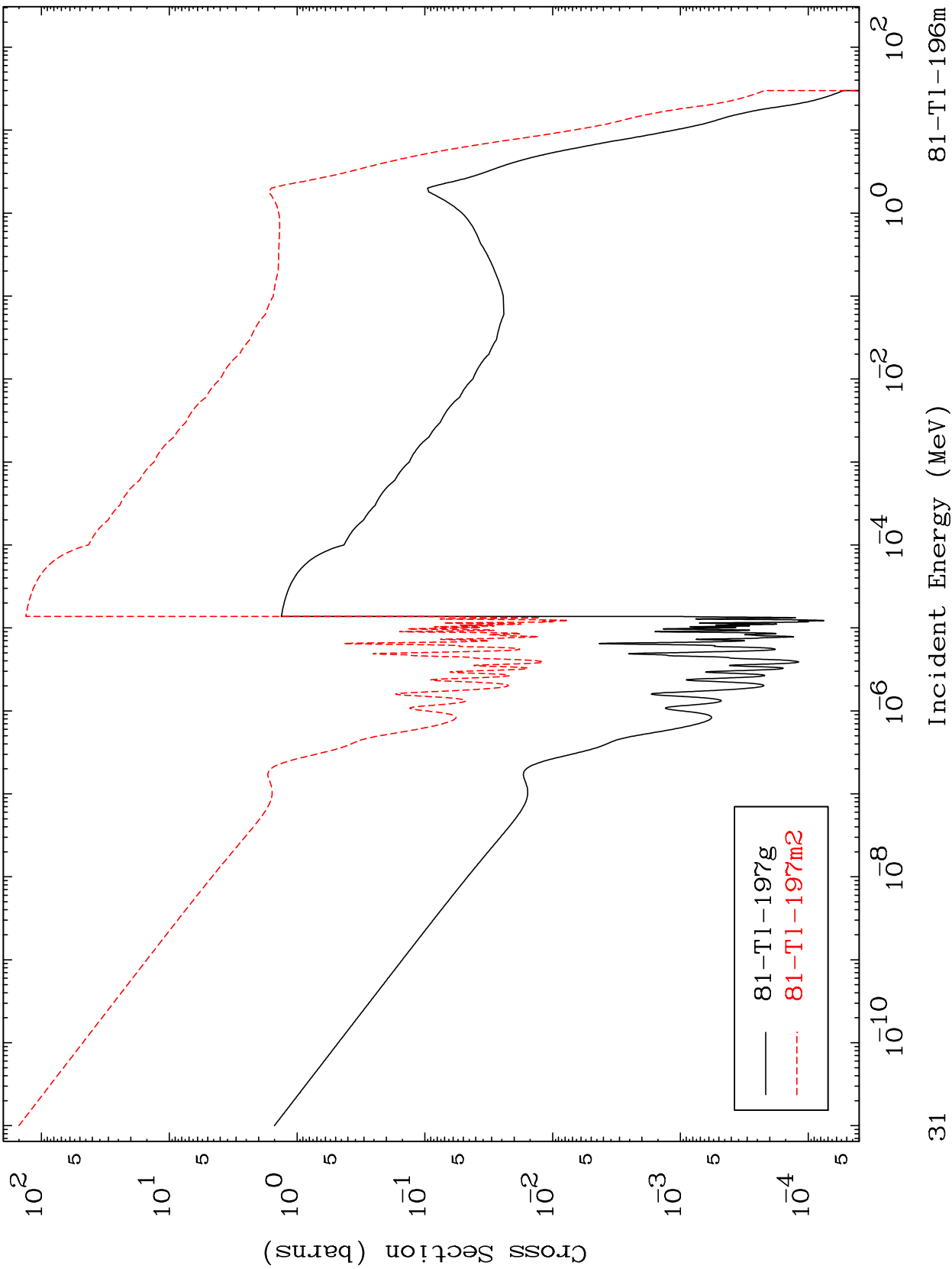
Incident Energy (MeV)

81-Tl-196m

MAT 8105

81-Tl-196m

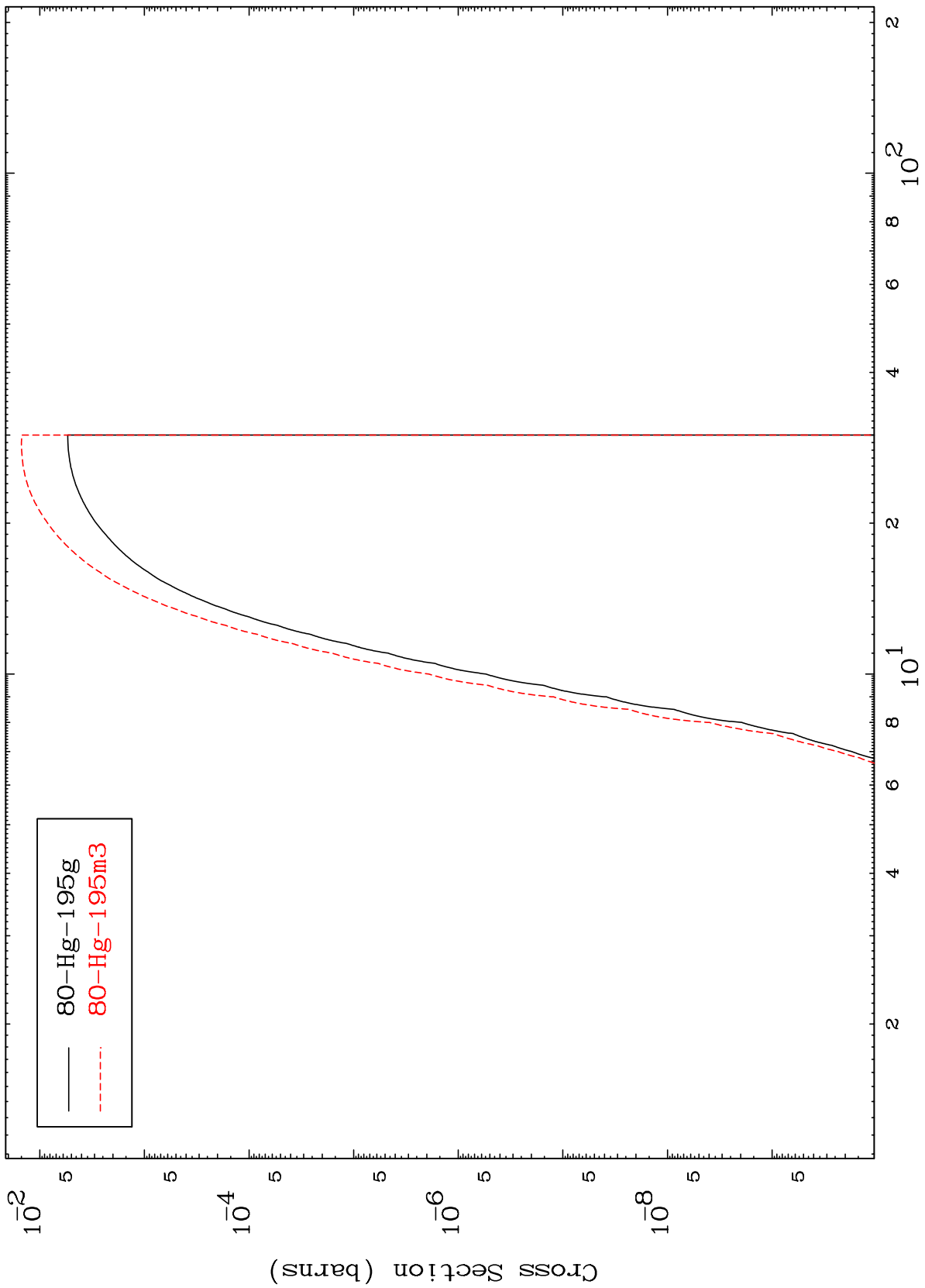
Radionuclide Production Cross Section
(n, γ)



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81-Tl-196m

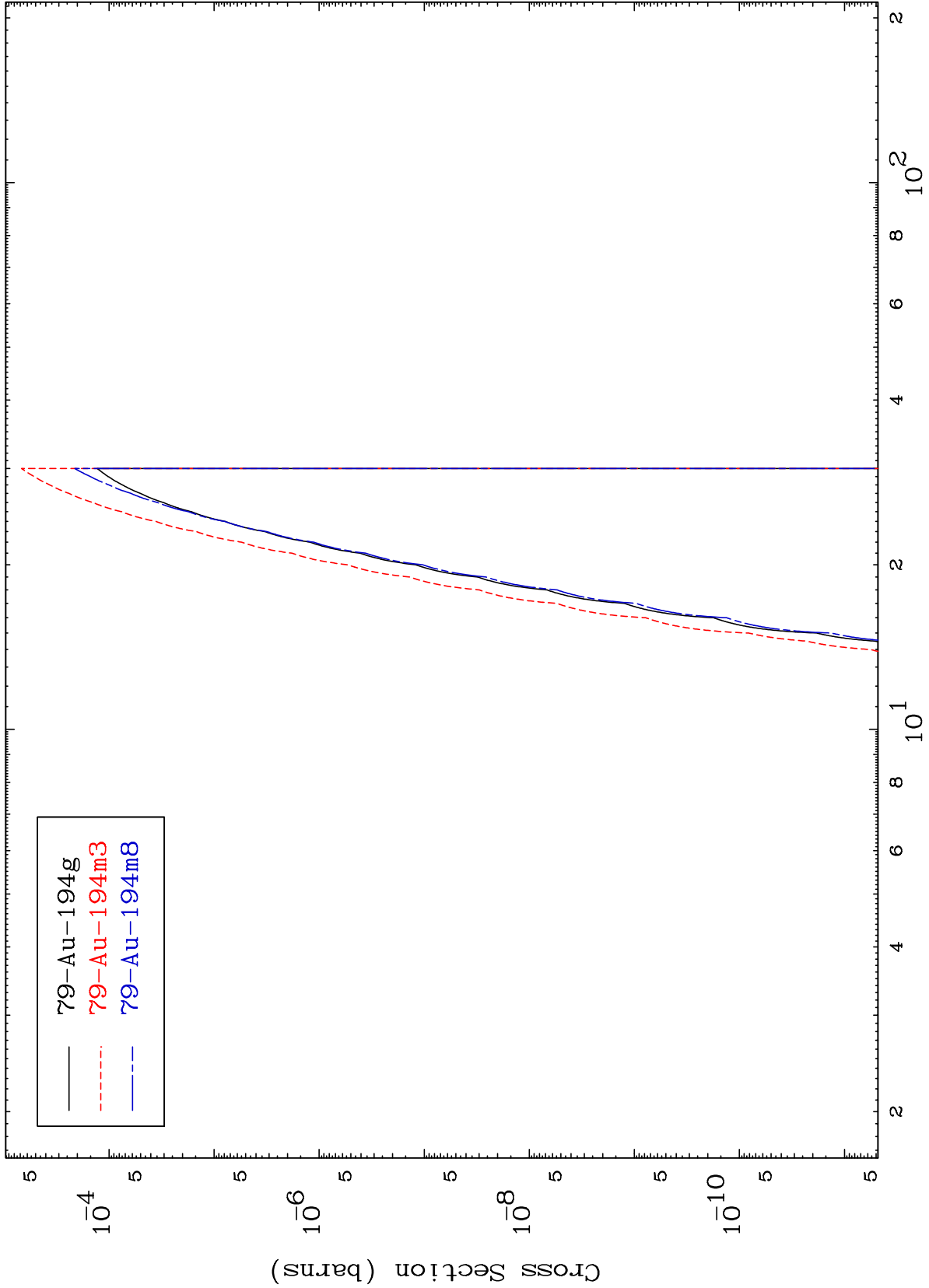
(n,d)
Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-196m

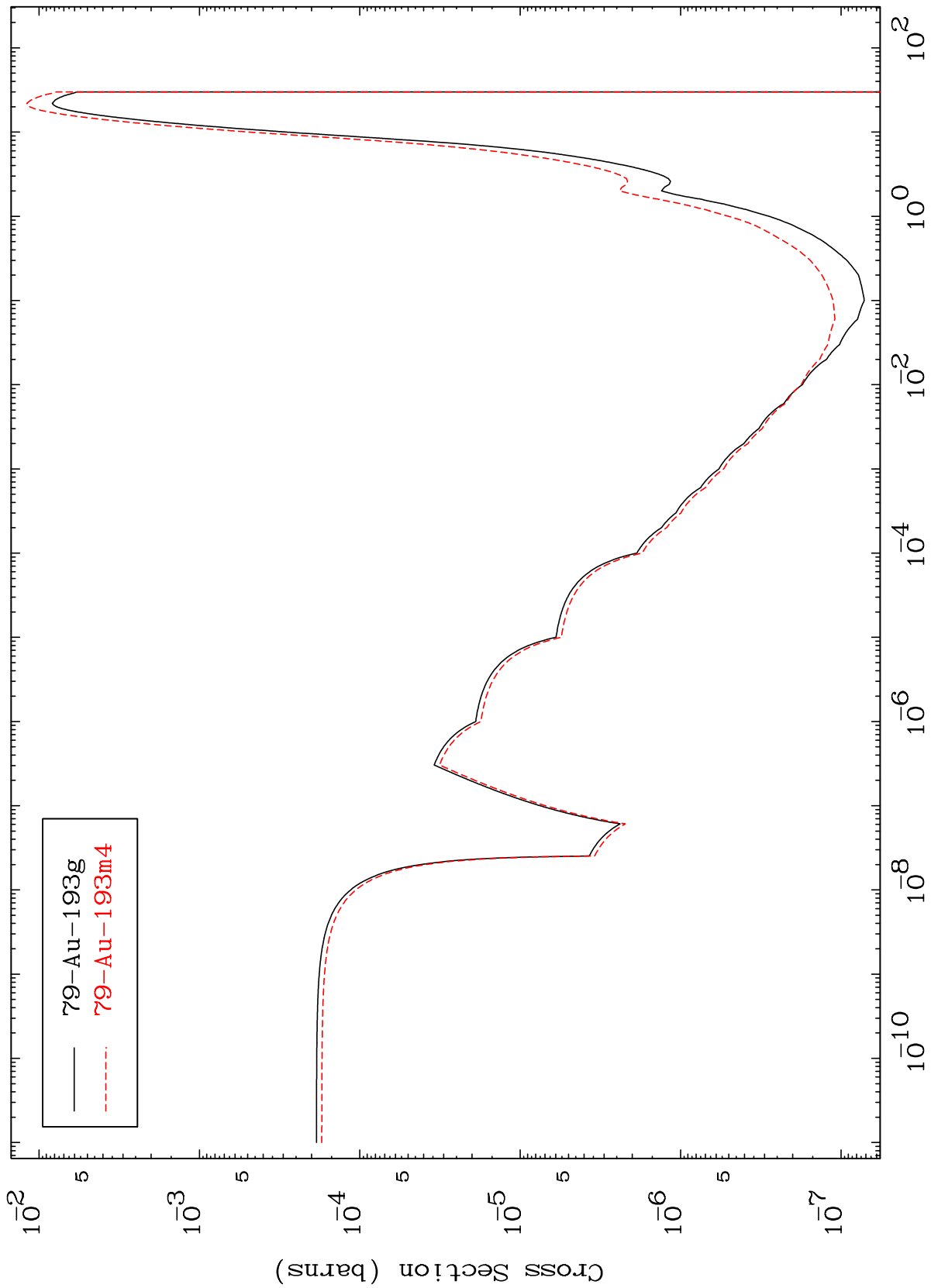
Radionuclide Production Cross Section



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81-Tl-196m

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-196m

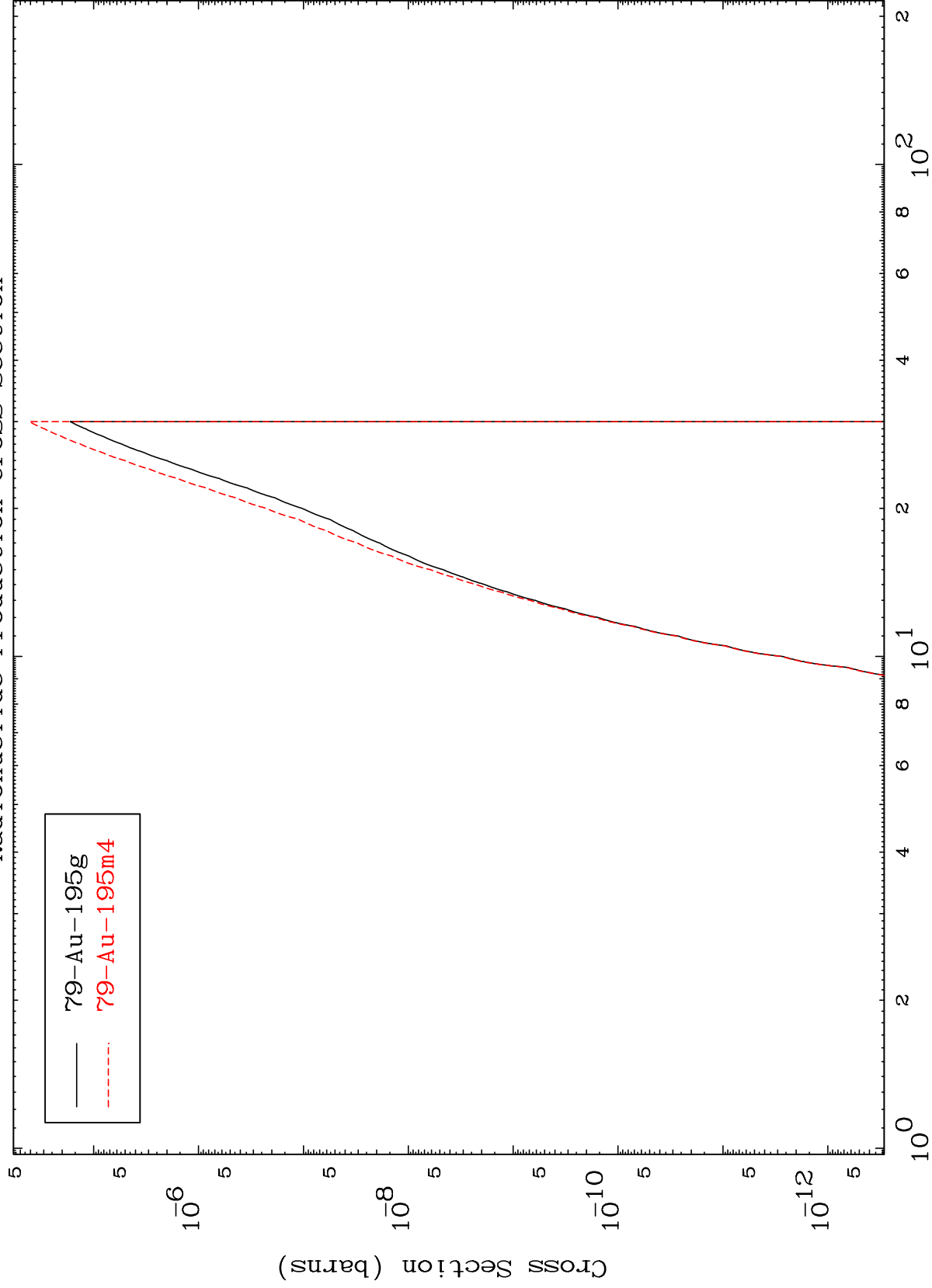
34

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(n,2p)

81-Tl-196m

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-196m

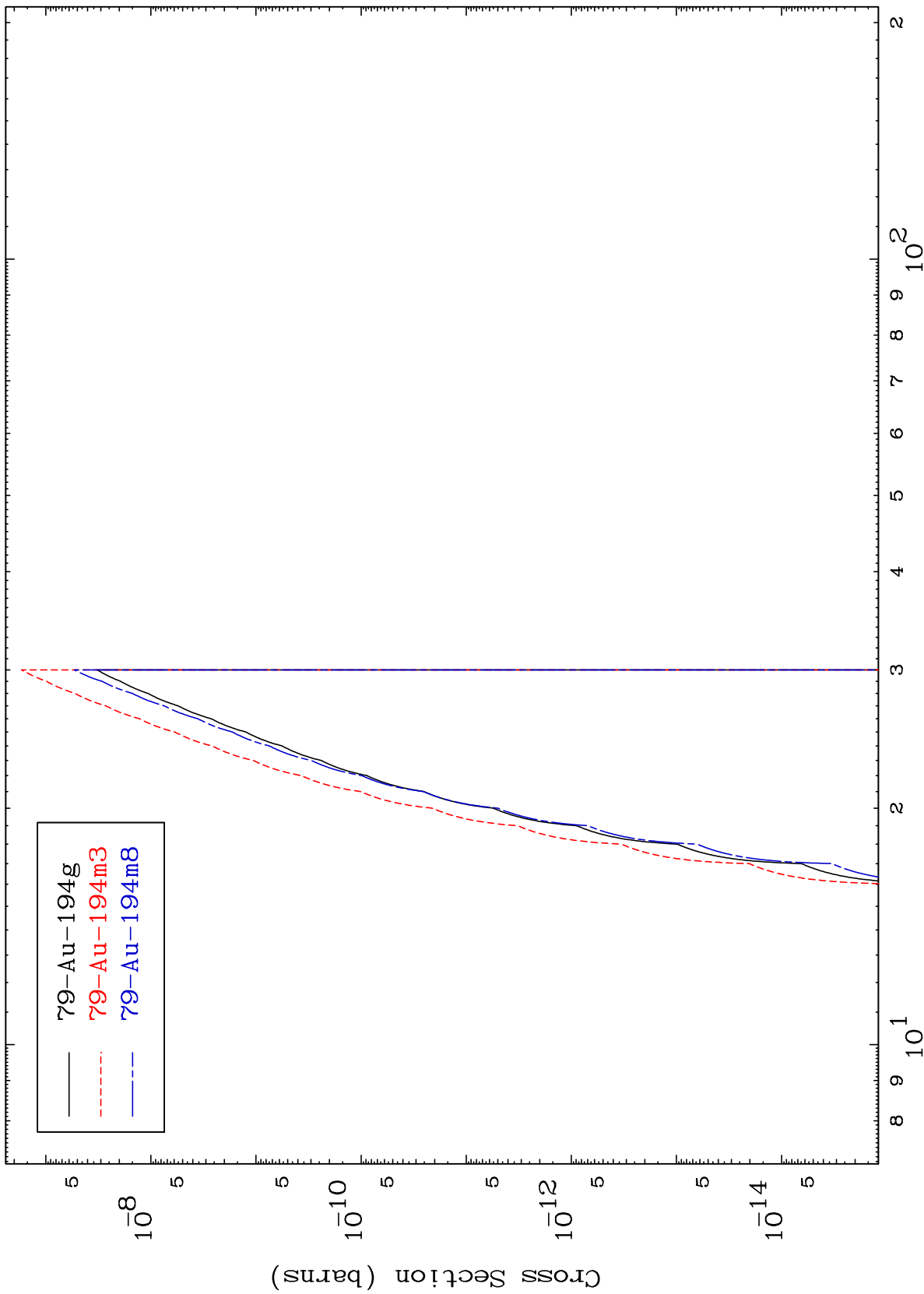
35

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(n,p) d

81-Tl-196m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

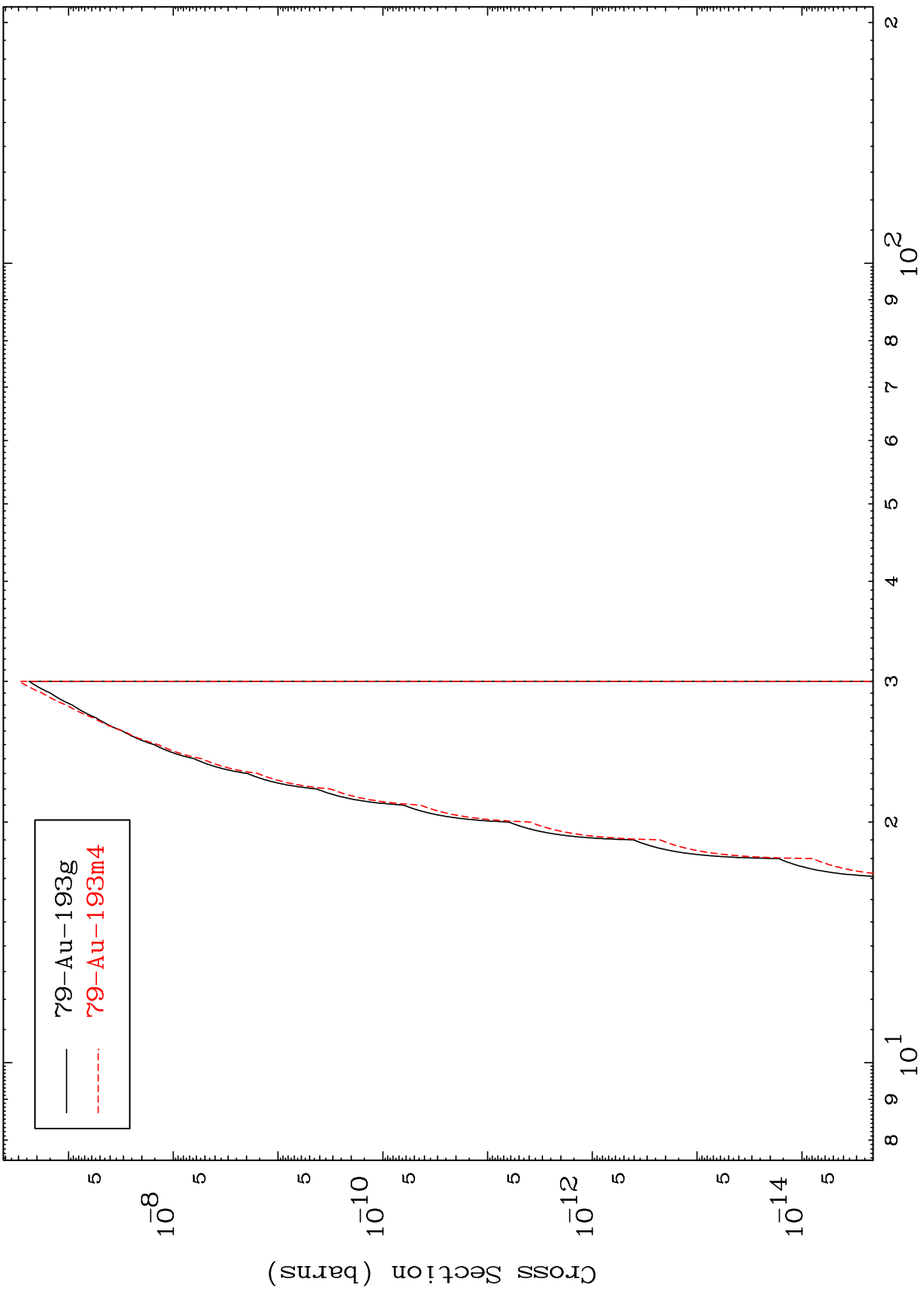
81-Tl-196m

MAT 8105

(n,p) t

81-Tl-196m

Radionuclide Production Cross Section



37

Incident Energy (MeV)

81-Tl-196m