

Program EVALPLOT
(Version 2021-1)

by

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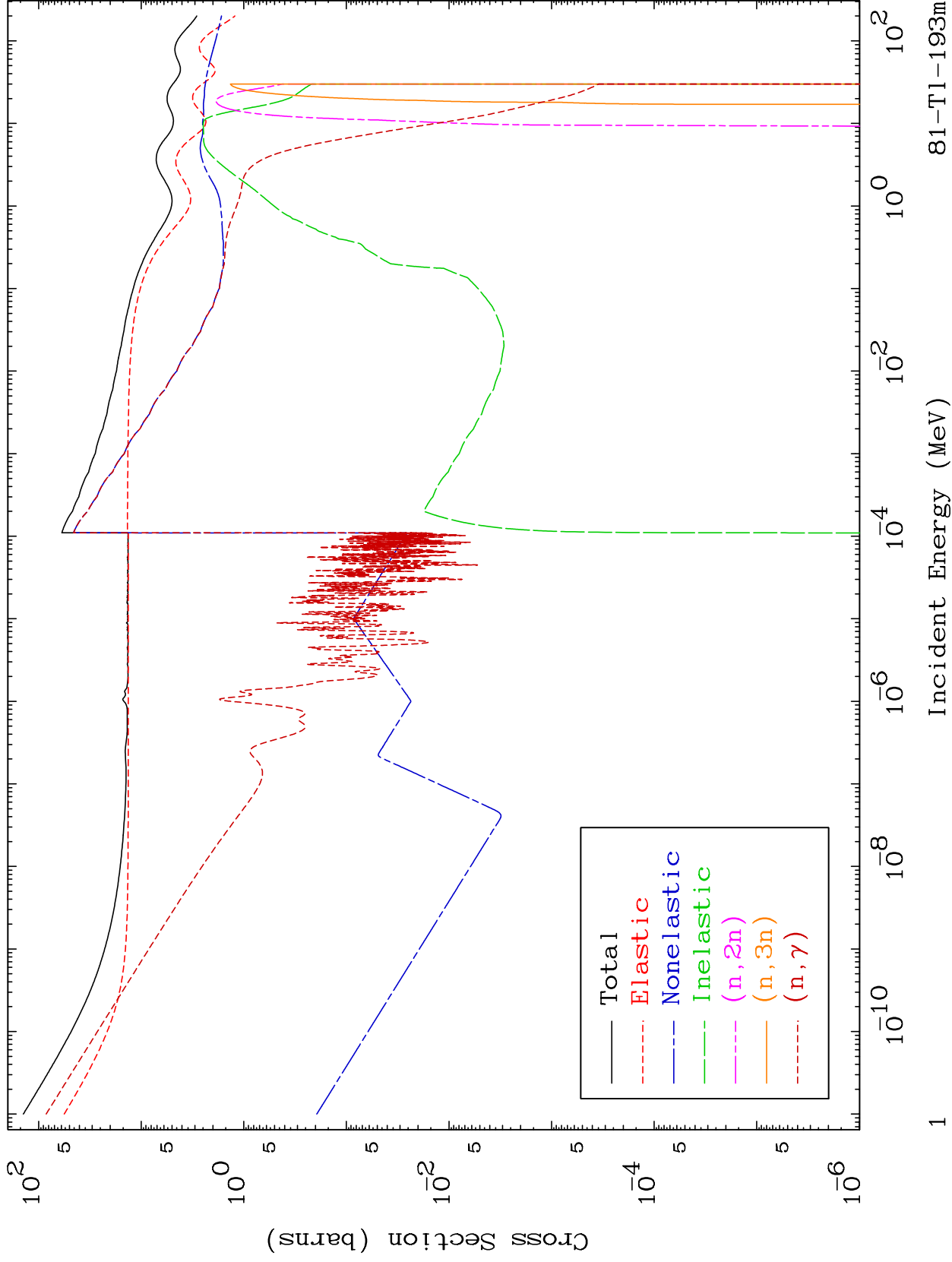
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Press Mouse Button to Start

MAT 8096

Neutron Major
293 Kelvin Cross Sections

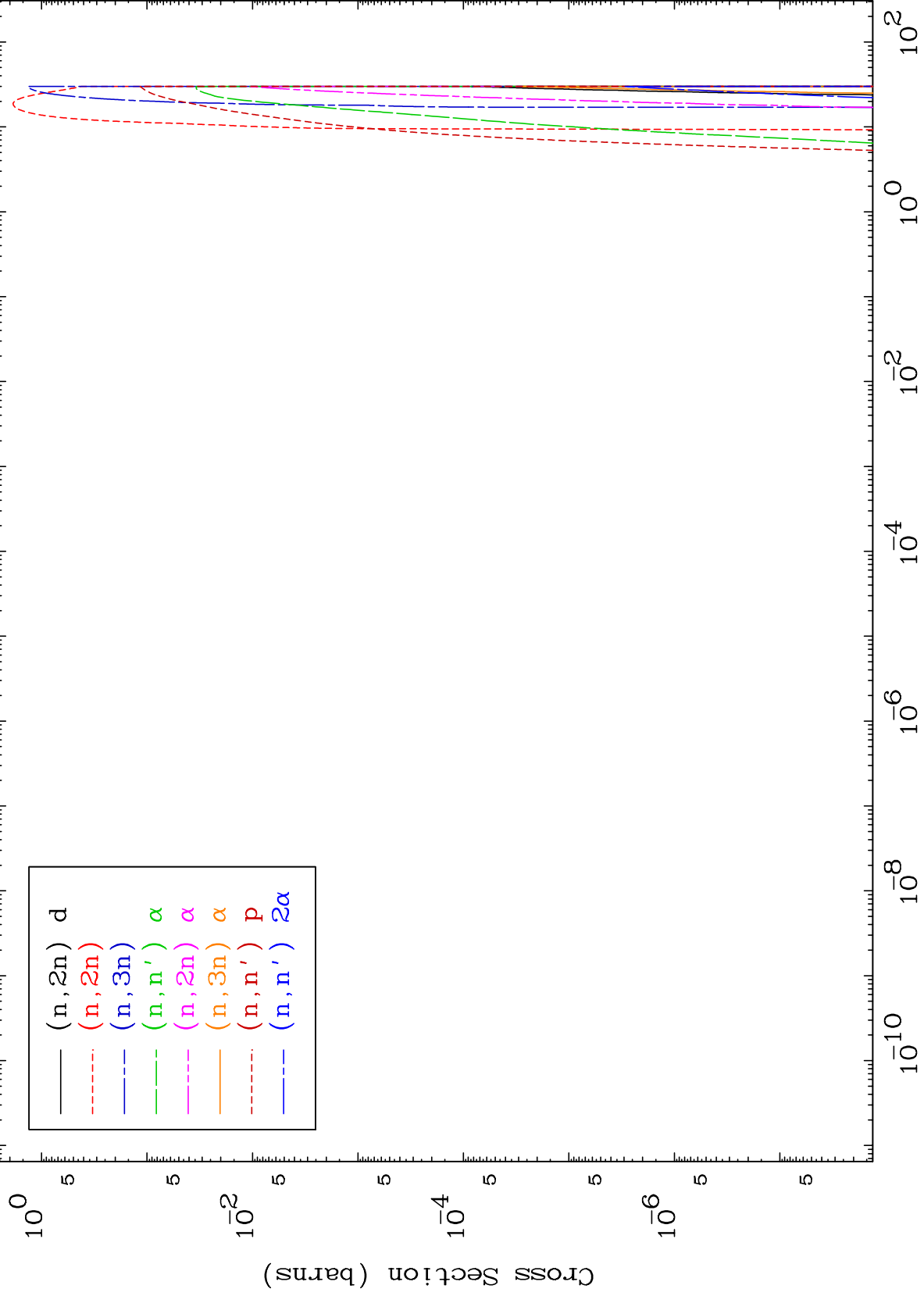
81-TI-193m



MAT 8096

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-193m



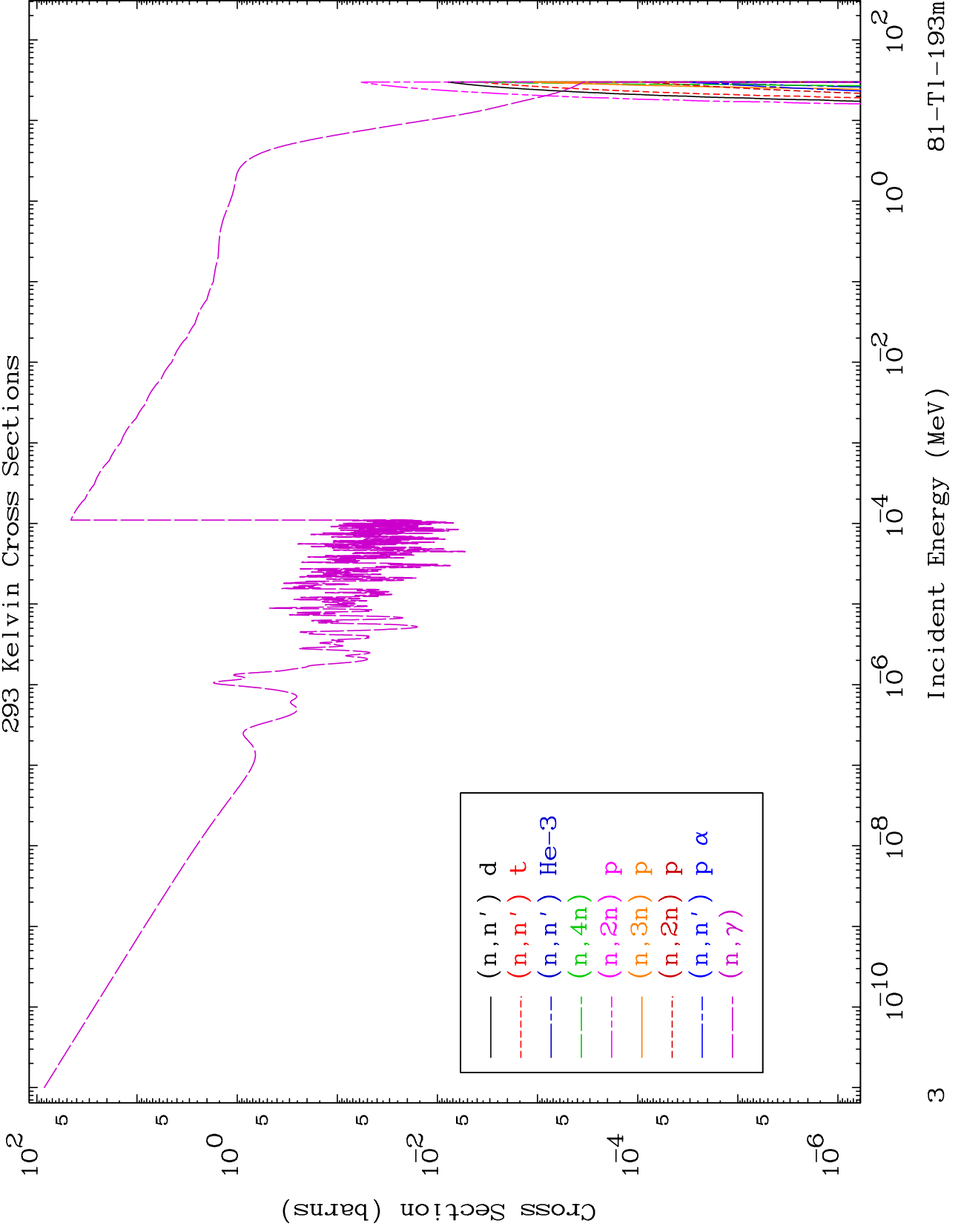
81-Tl-193m

Incident Energy (MeV)

MAT 8096

Neutron Absorption
293 Kelvin Cross Sections

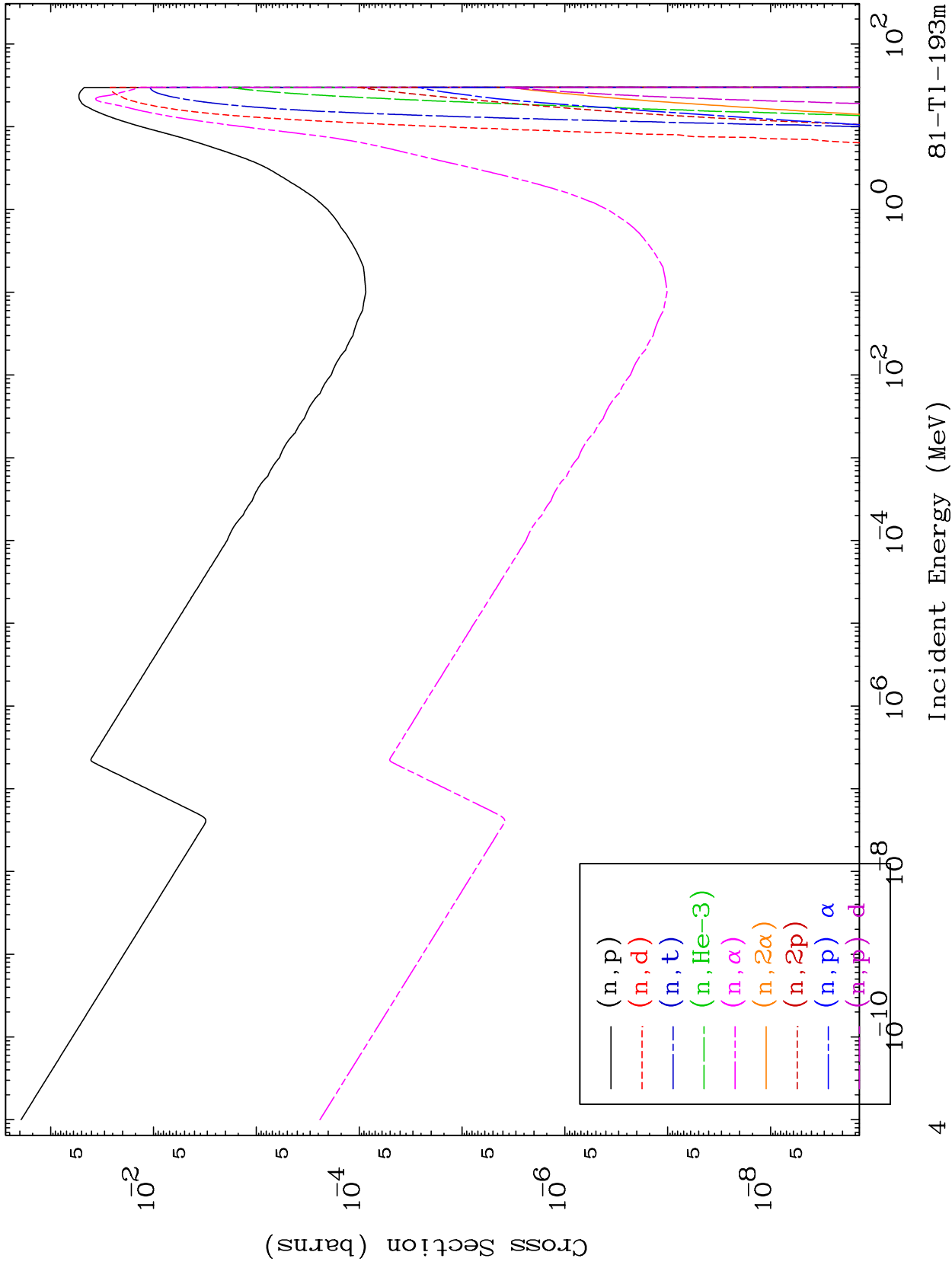
81-TI-193m



MAT 8096

Neutron Absorption
293 Kelvin Cross Sections

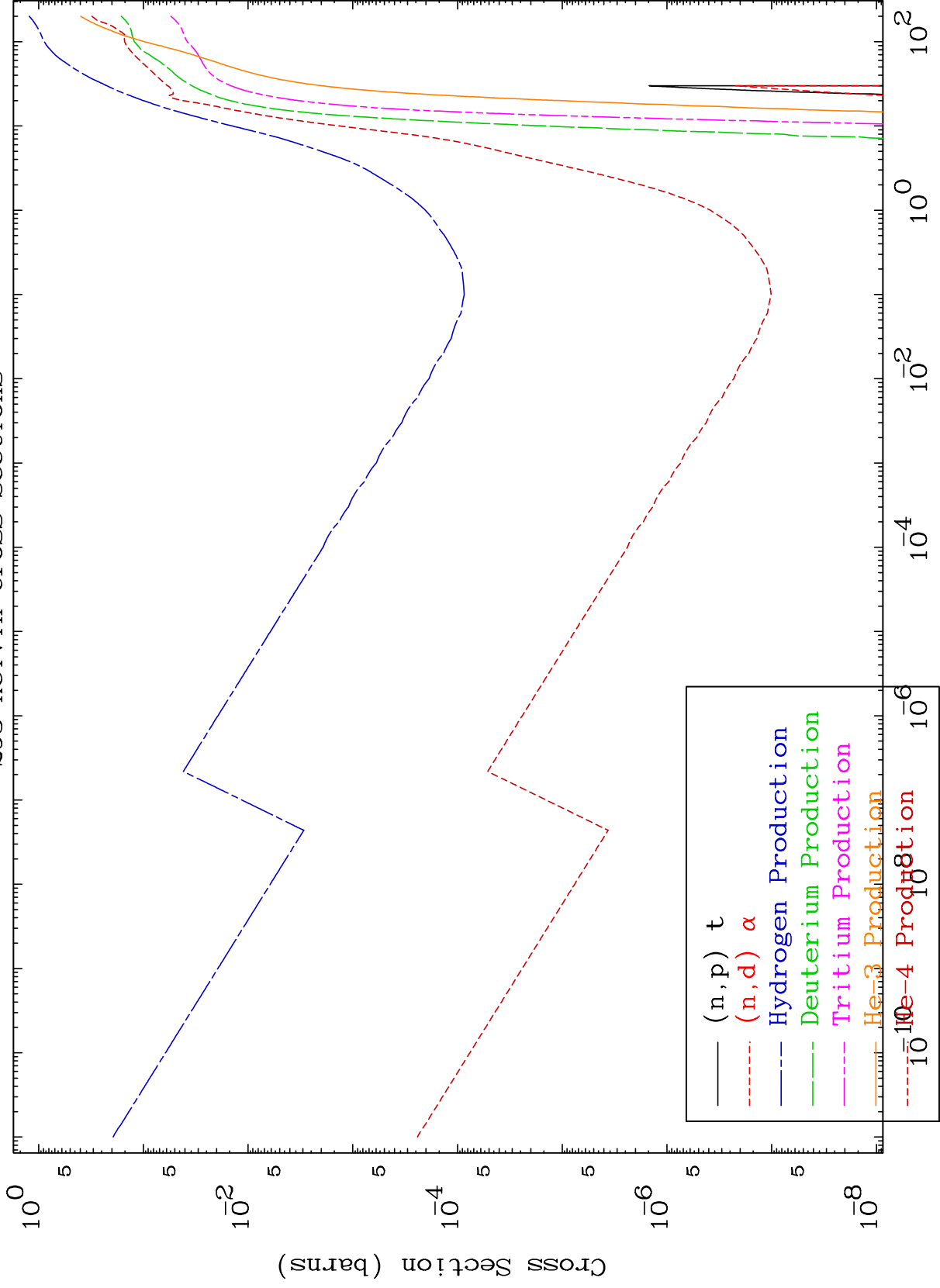
81-Tl-193m



MAT 8096

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-193m



5

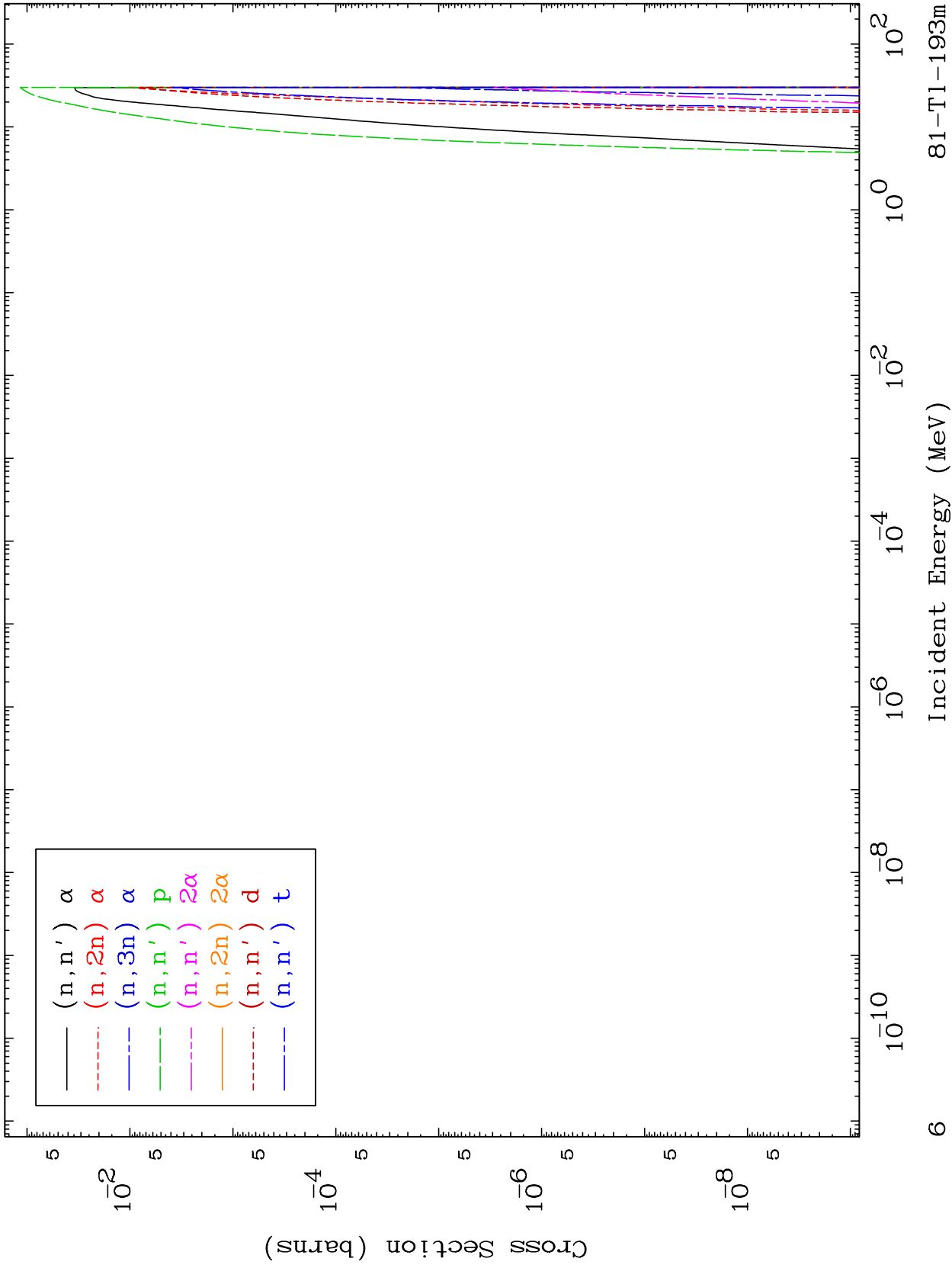
Incident Energy (MeV)

81-Tl-193m

MAT 8096

Charged Particle
293 Kelvin Cross Sections

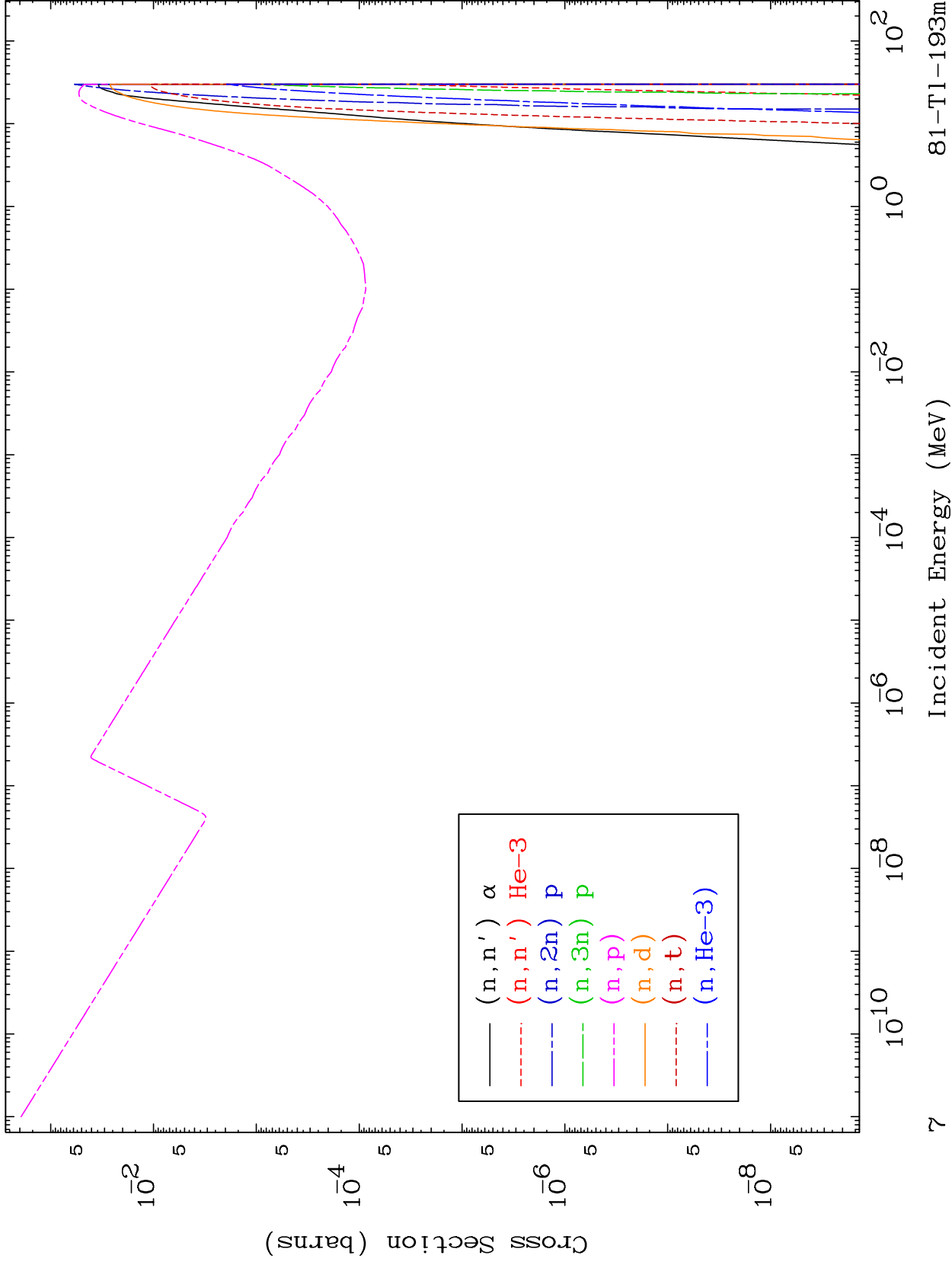
81-Tl-193m



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Charged Particle
293 Kelvin Cross Sections

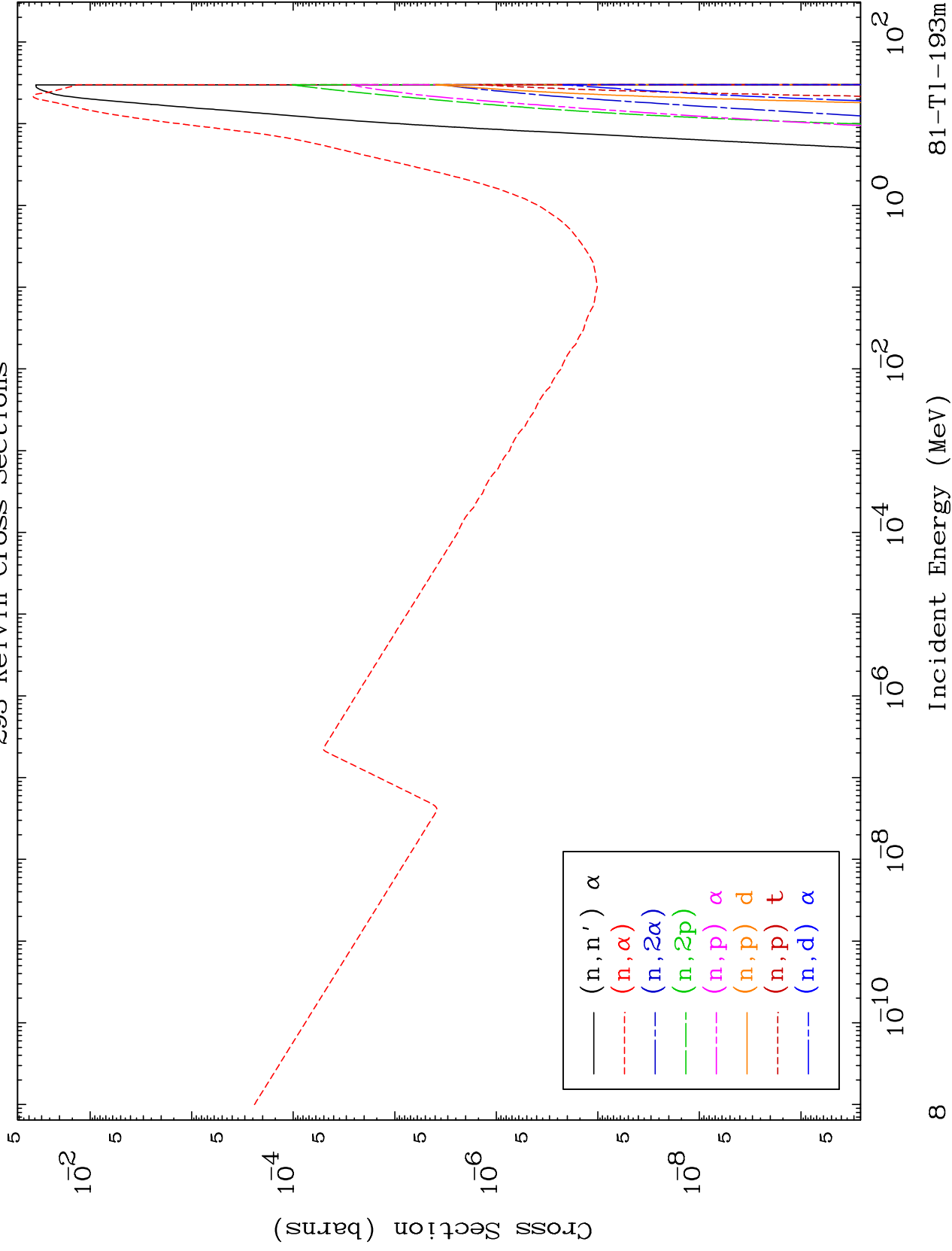
81-TI-193m



MAT 8096

Charged Particle
293 Kelvin Cross Sections

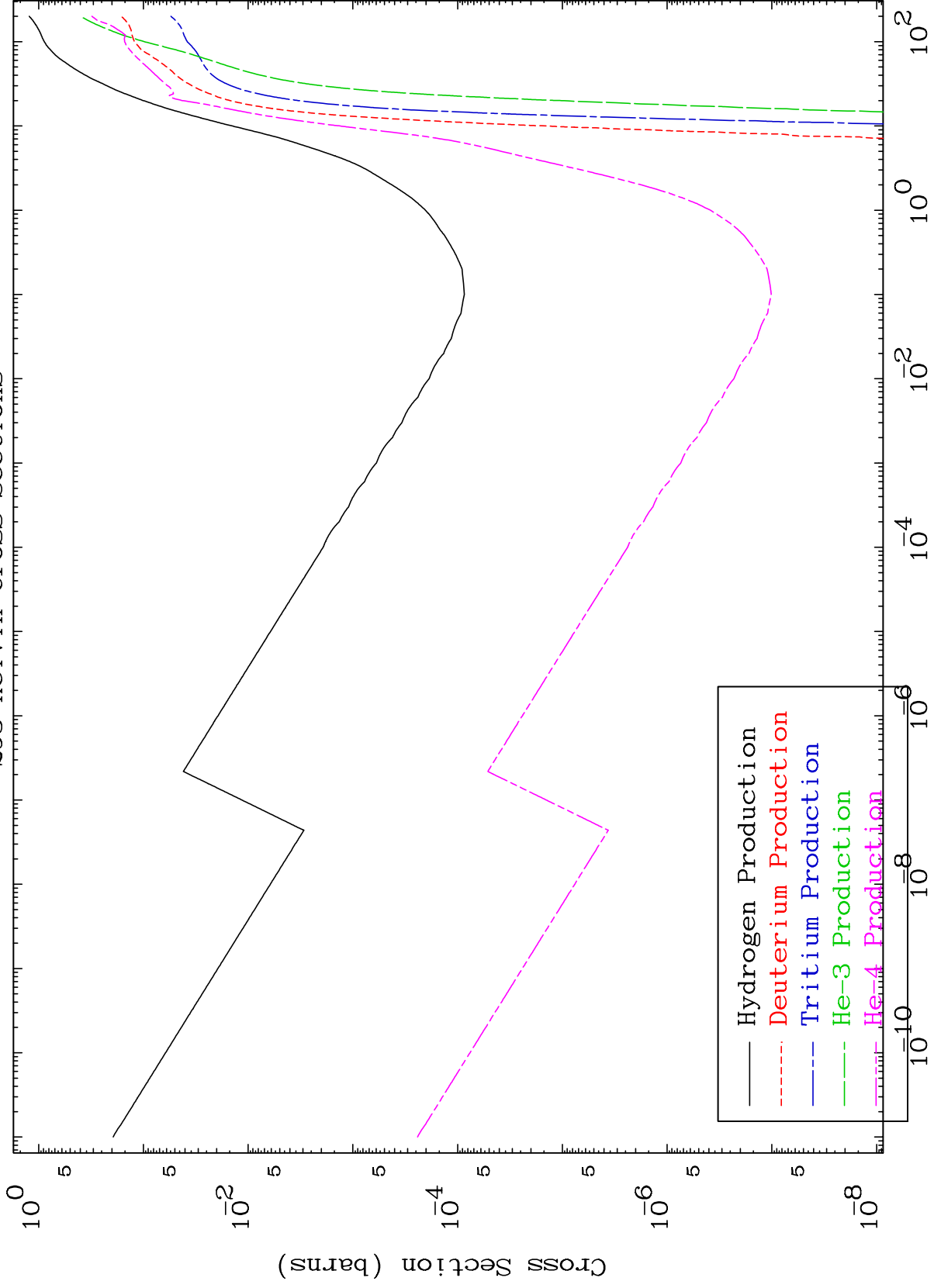
81-Tl-193m



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Particle Production
293 Kelvin Cross Sections

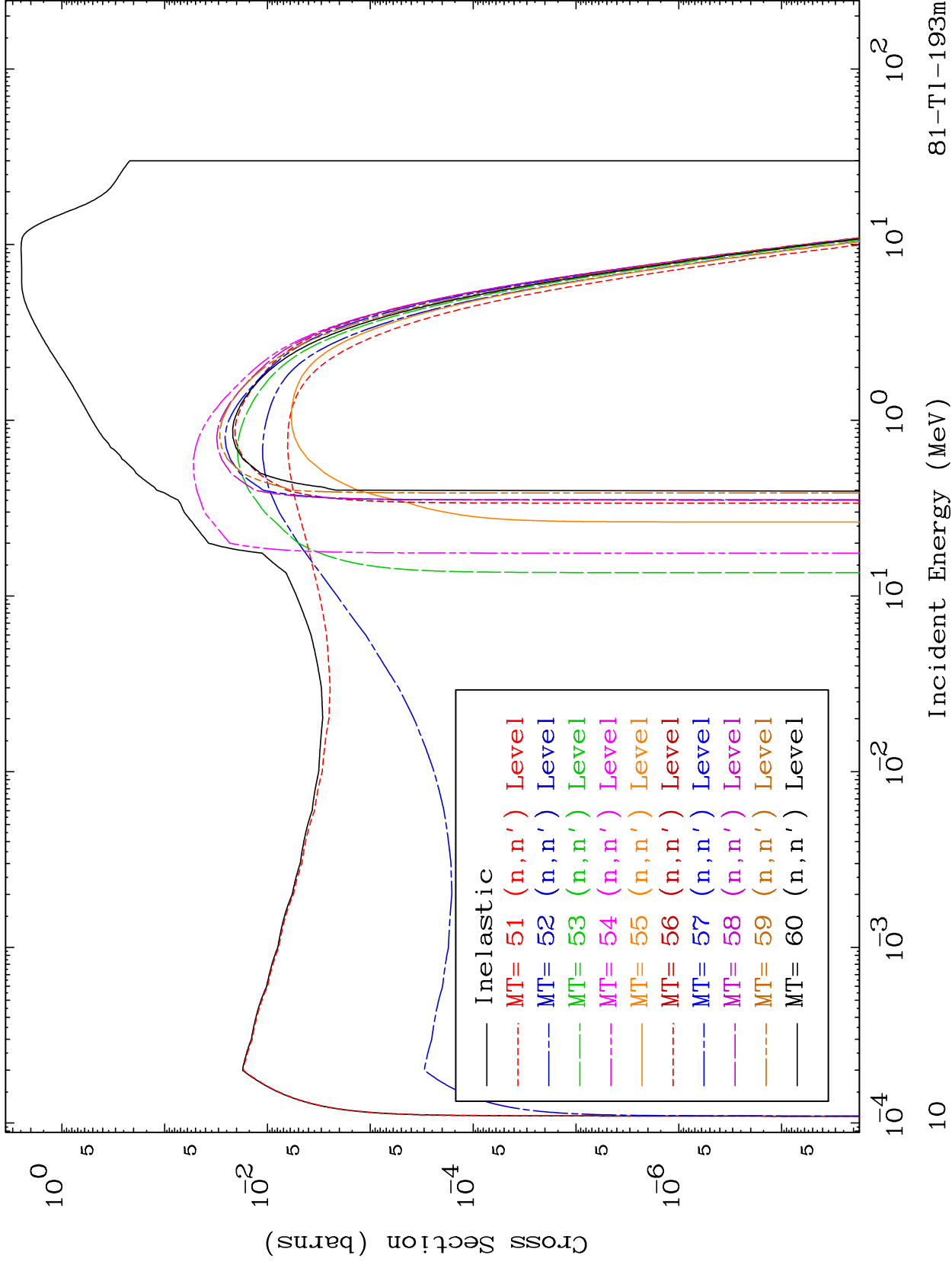
81-Tl-193m



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(n,n') Levels
293 Kelvin Cross Sections

81-TI-193m



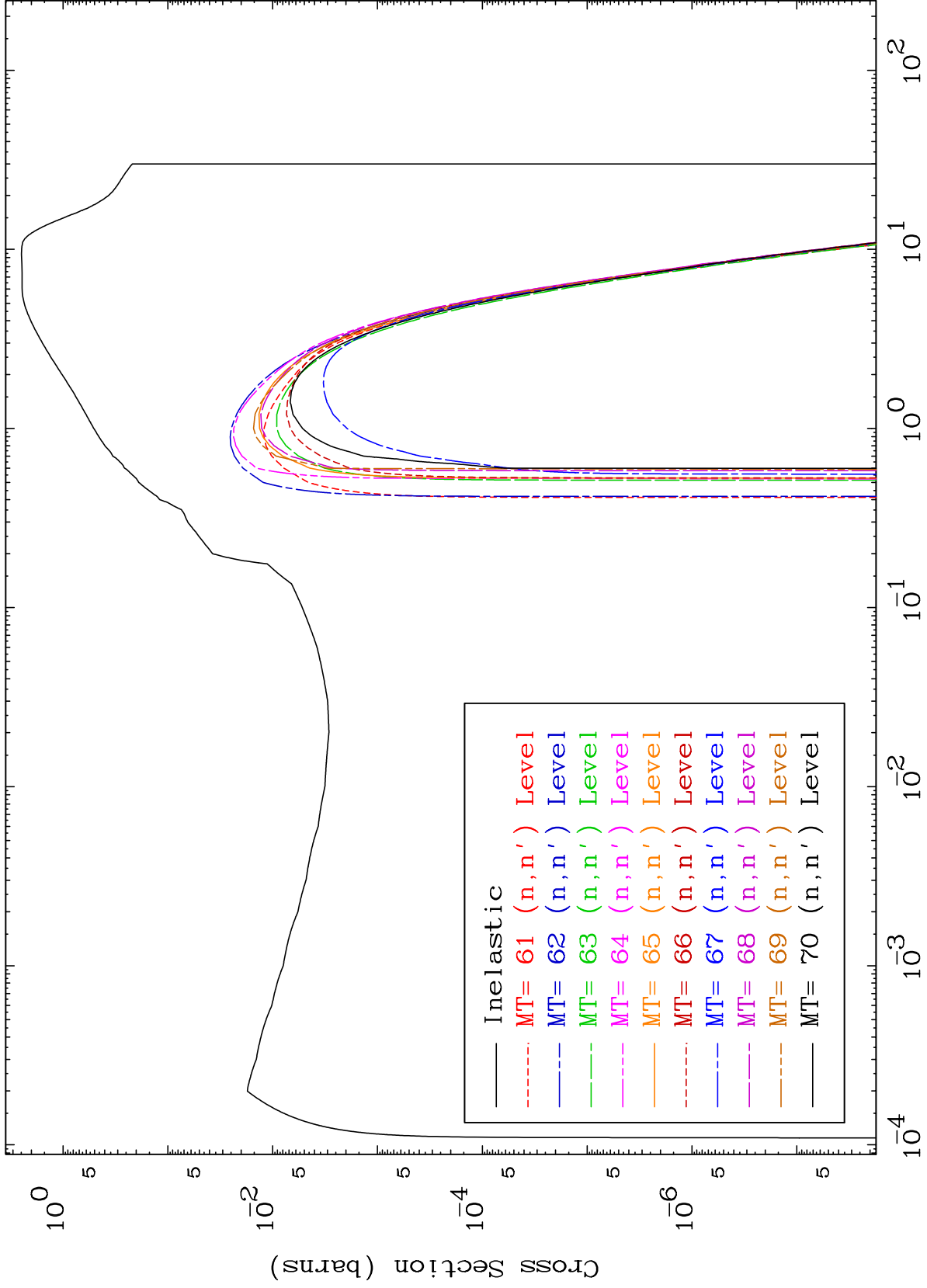
Incident Energy (MeV)

81-TI-193m

MAT 8096

(n,n') Levels
293 Kelvin Cross Sections

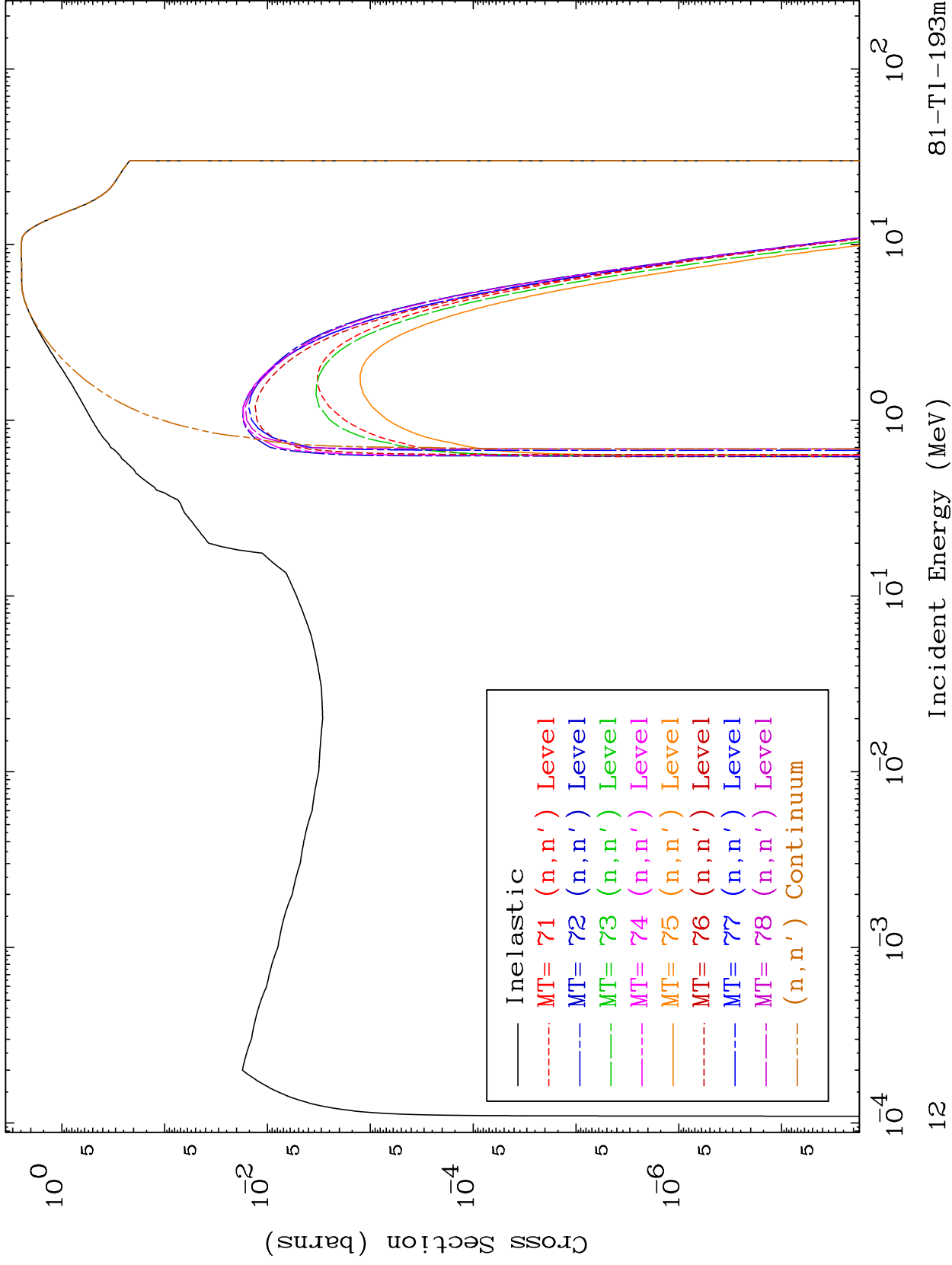
81-TI-193m



MAT 8096

(n,n') Levels
293 Kelvin Cross Sections

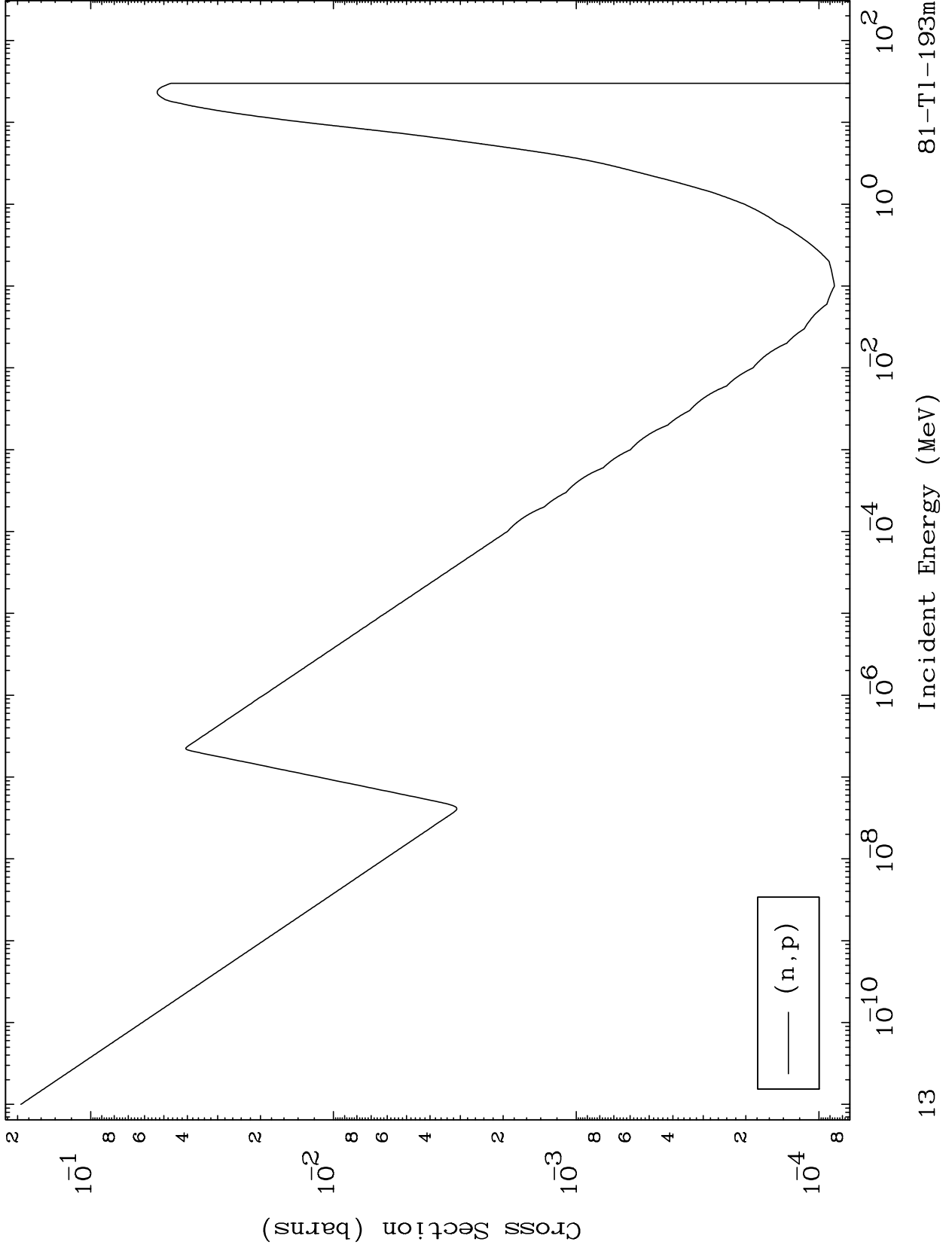
81-TI-193m



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(n,p) Levels
293 Kelvin Cross Sections

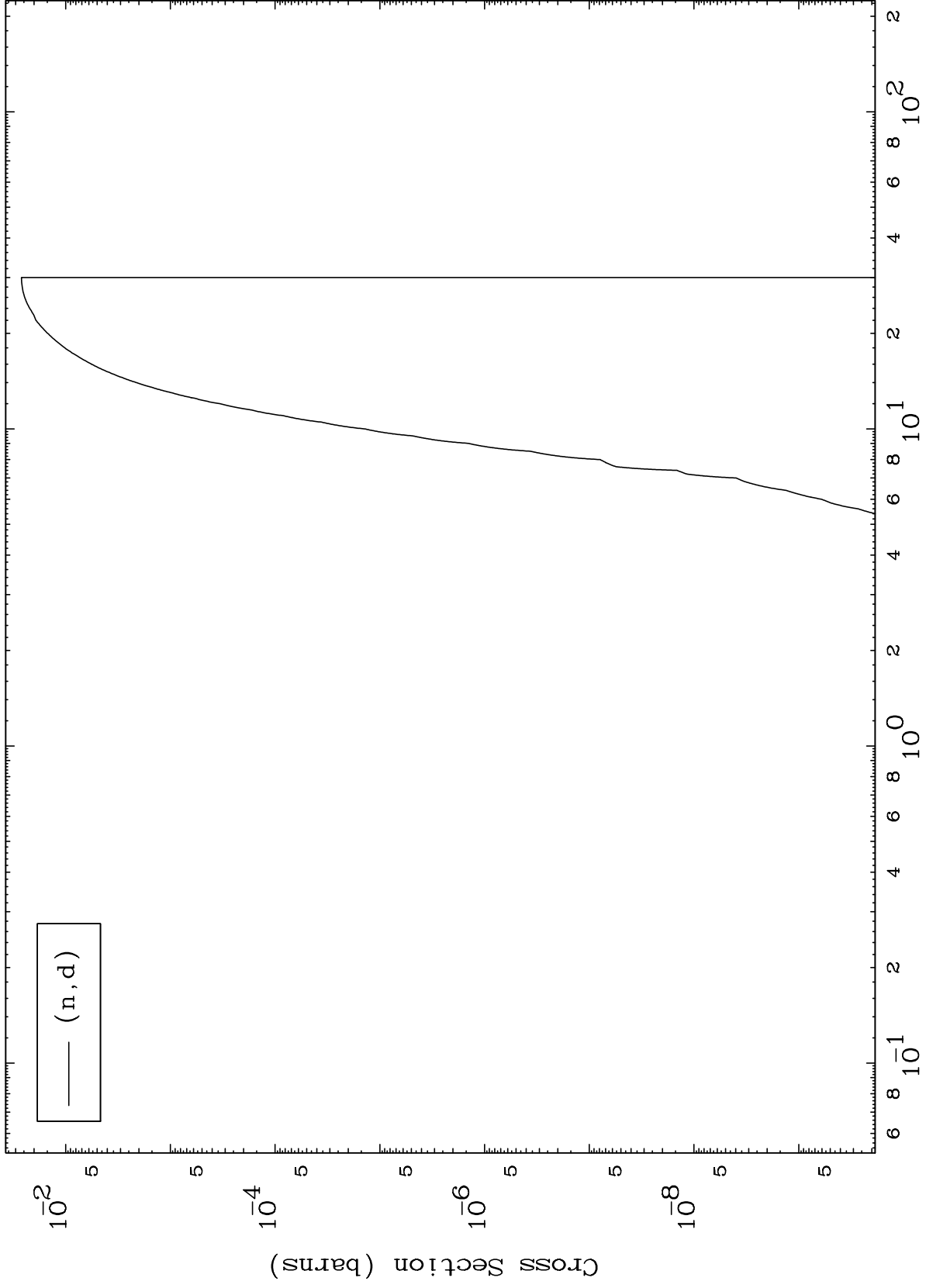
81-Tl-193m



MAT 8096

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-193m



14

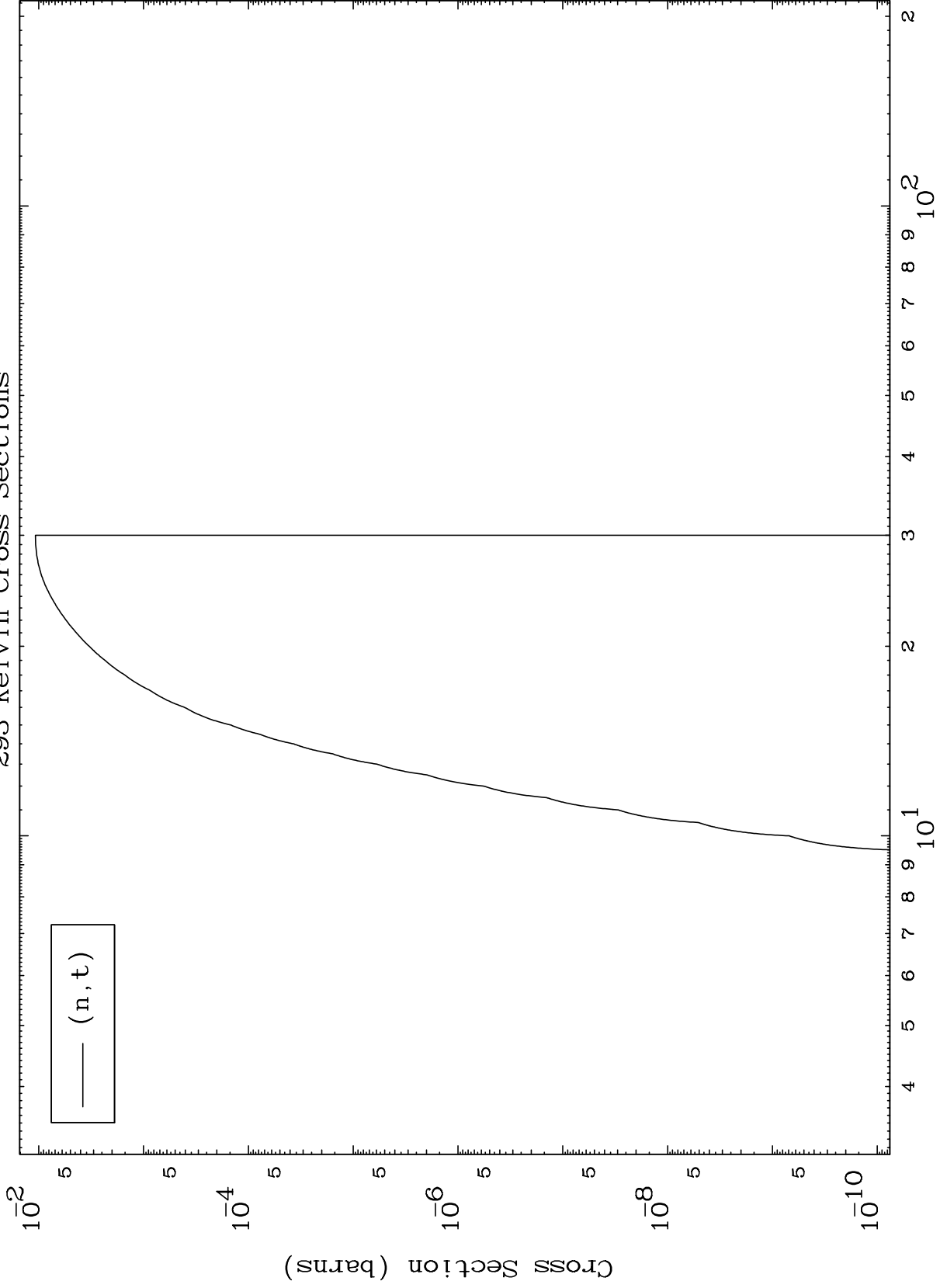
Incident Energy (MeV)

81-Tl-193m

MAT 8096

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-193m



15

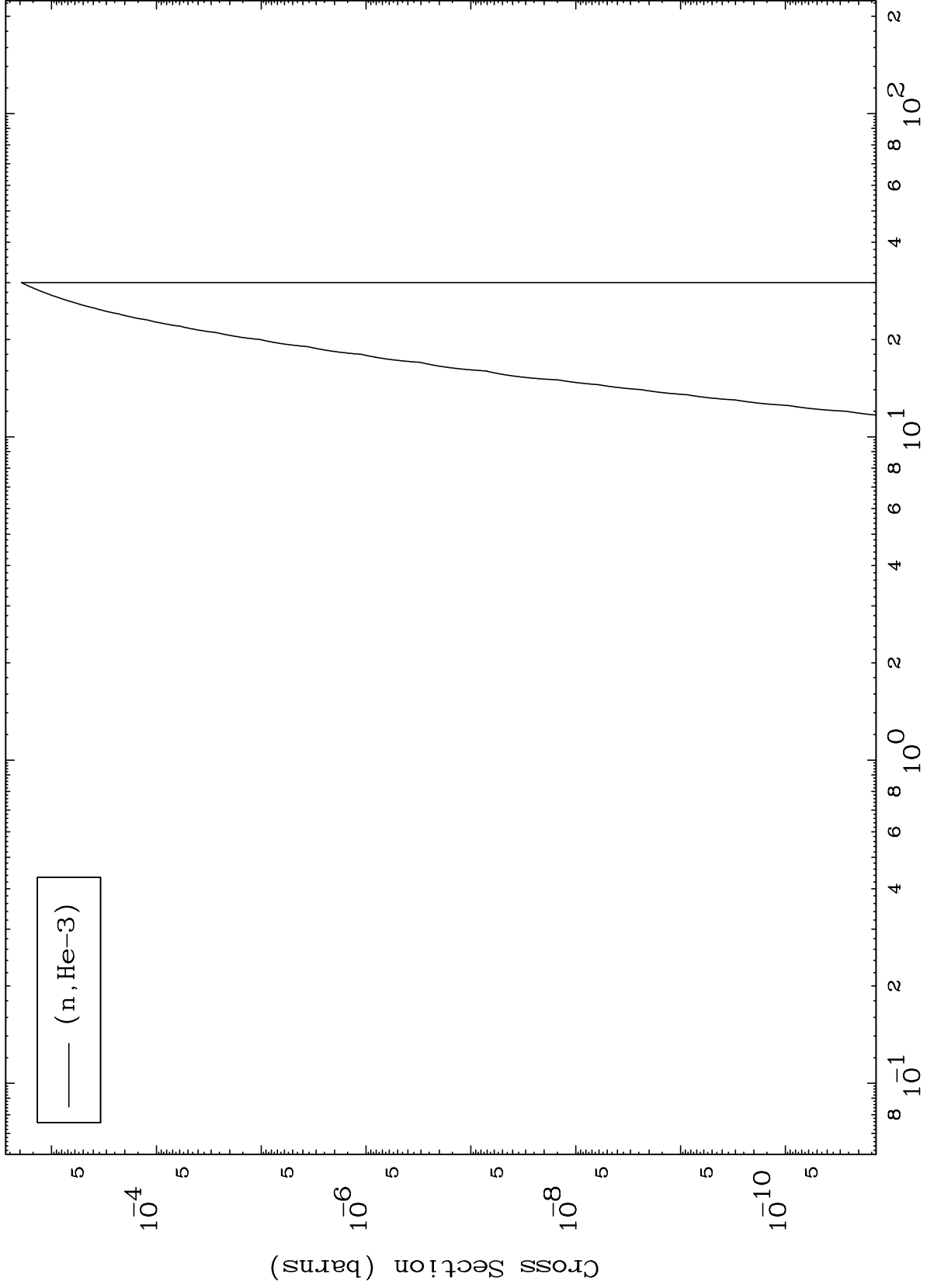
Incident Energy (MeV)

81-Tl-193m

MAT 8096

(n,He3) Levels
293 Kelvin Cross Sections

81-Tl-193m



16

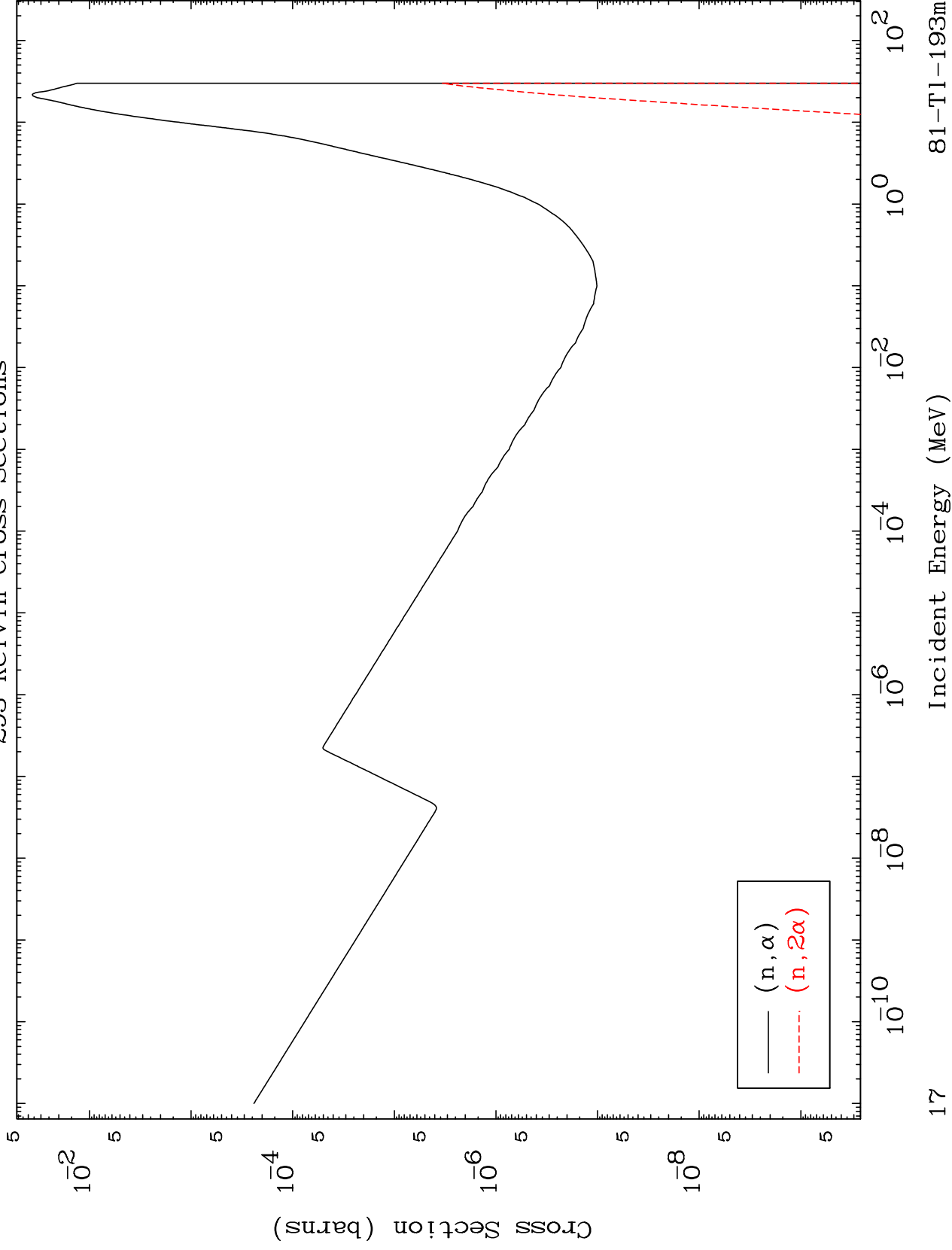
Incident Energy (MeV)

81-Tl-193m

MAT 8096

(n,α) Levels
293 Kelvin Cross Sections

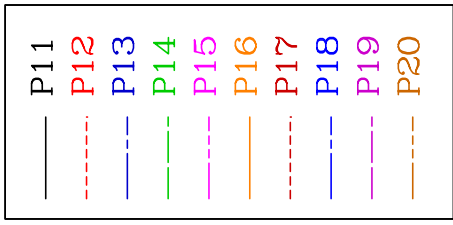
81-Tl-193m



MAT 8096

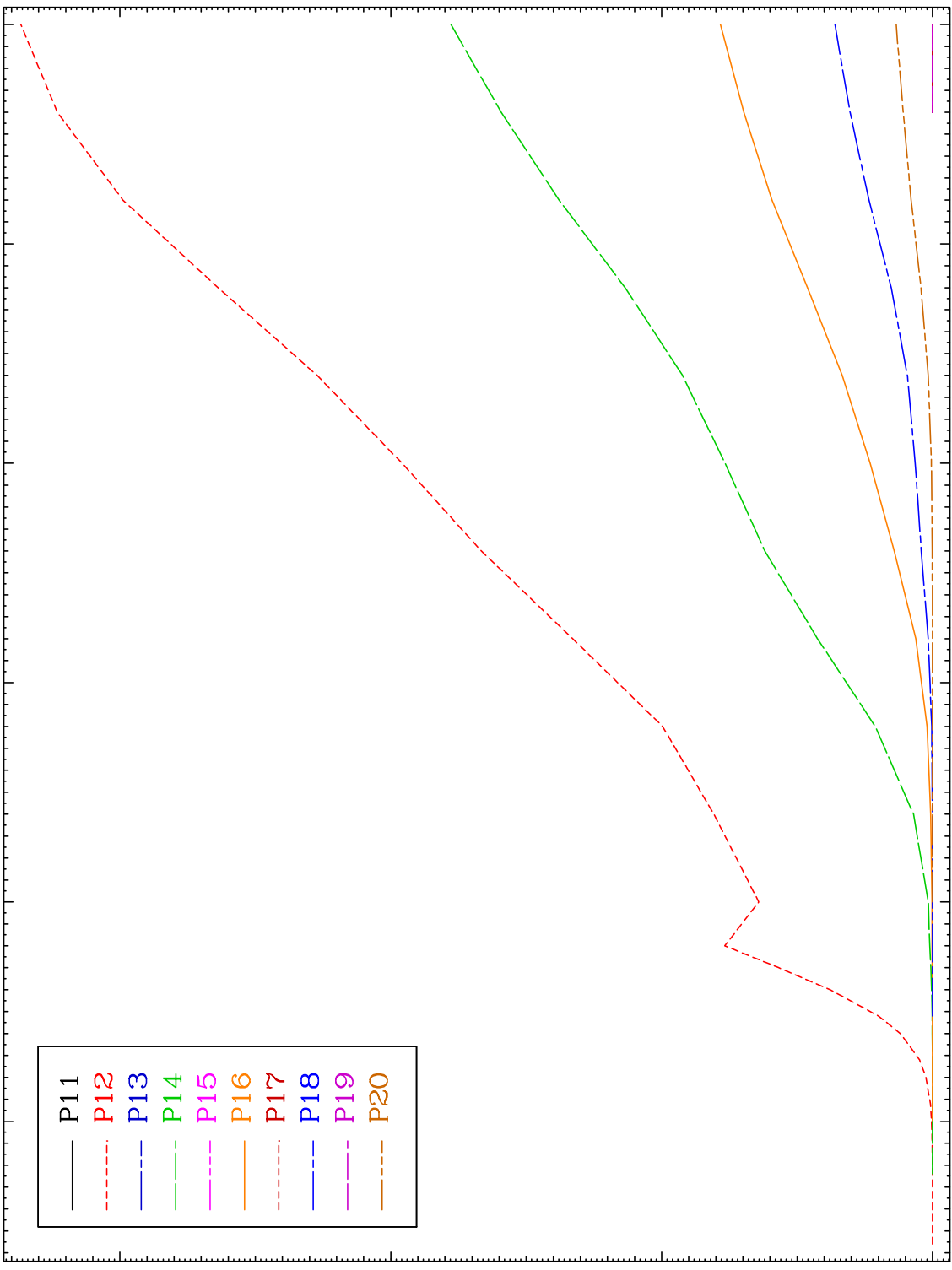
Elastic Legendre Coefficients

81-Tl-193m



$\times 10^{-4}$

Legendre (CM)



19

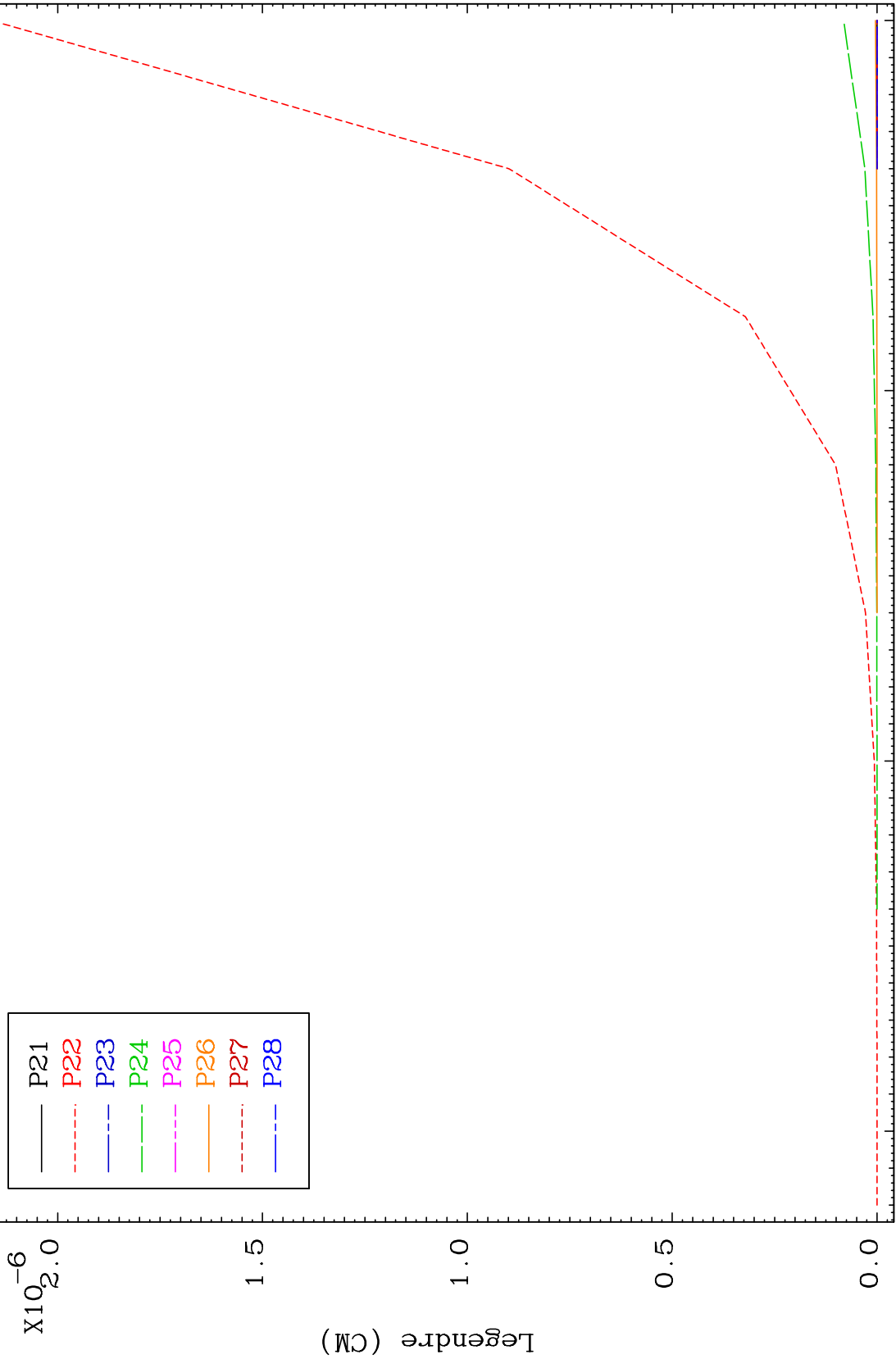
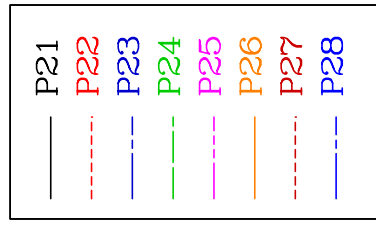
Incident Energy (MeV)

81-Tl-193m

MAT 8096

Elastic Legendre Coefficients

81-TI-193m



20

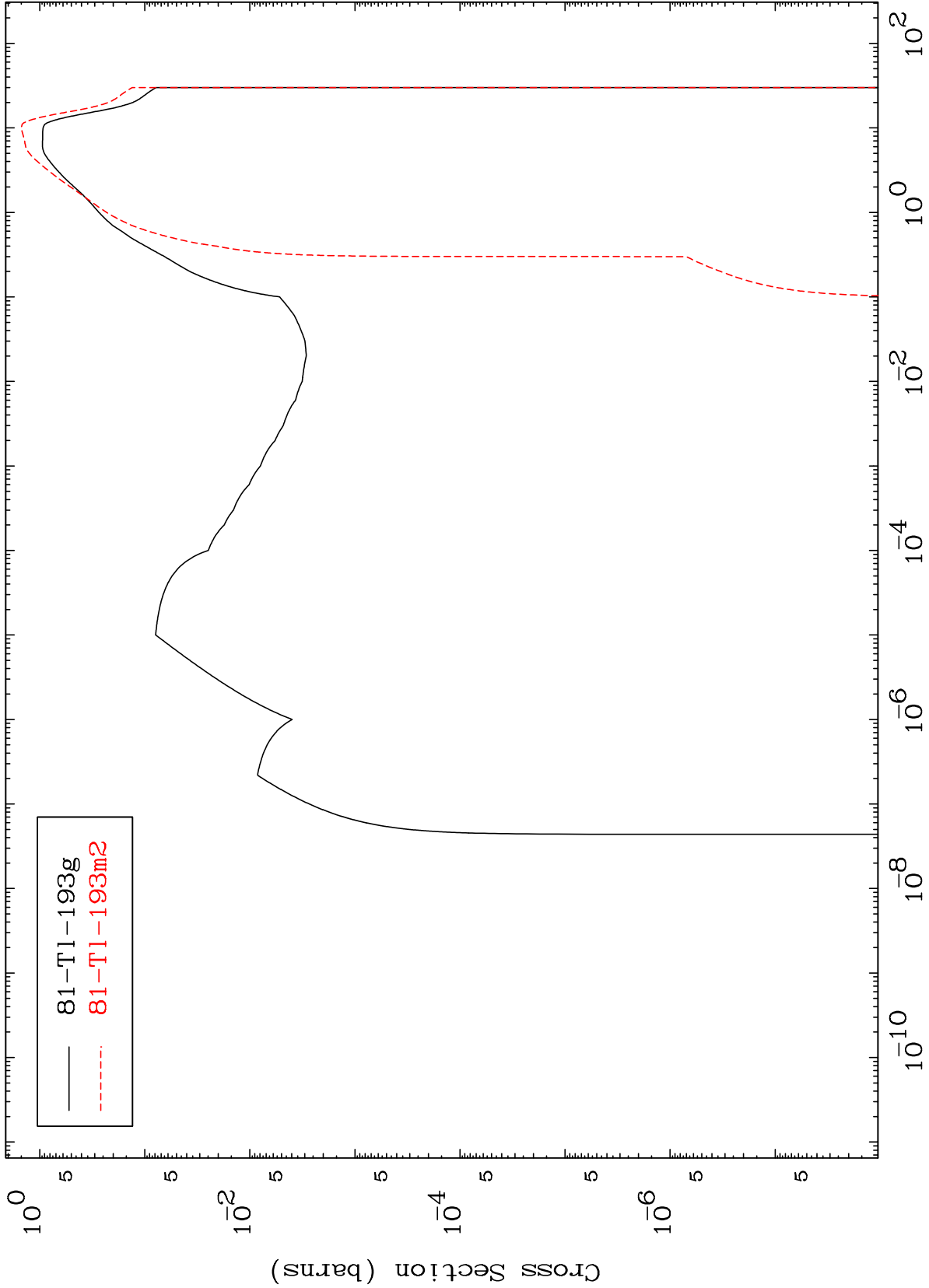
Incident Energy (MeV)

81-TI-193m

MAT 8096

Inelastic
Radionuclide Production Cross Section

81-Tl-193m

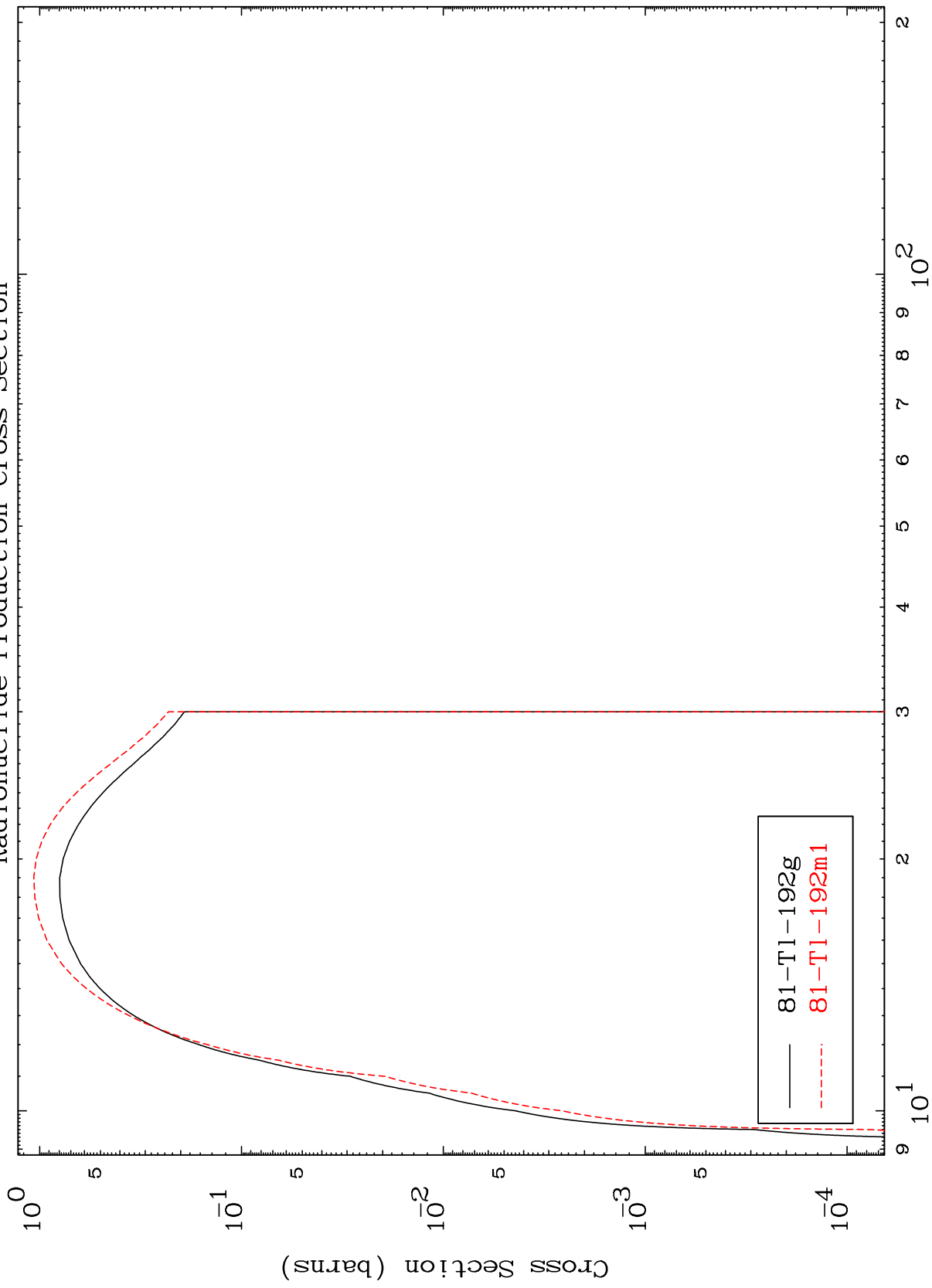


81-Tl-193m

MAT 8096

81-Tl-193m

Radionuclide Production Cross Section
(n,2n)

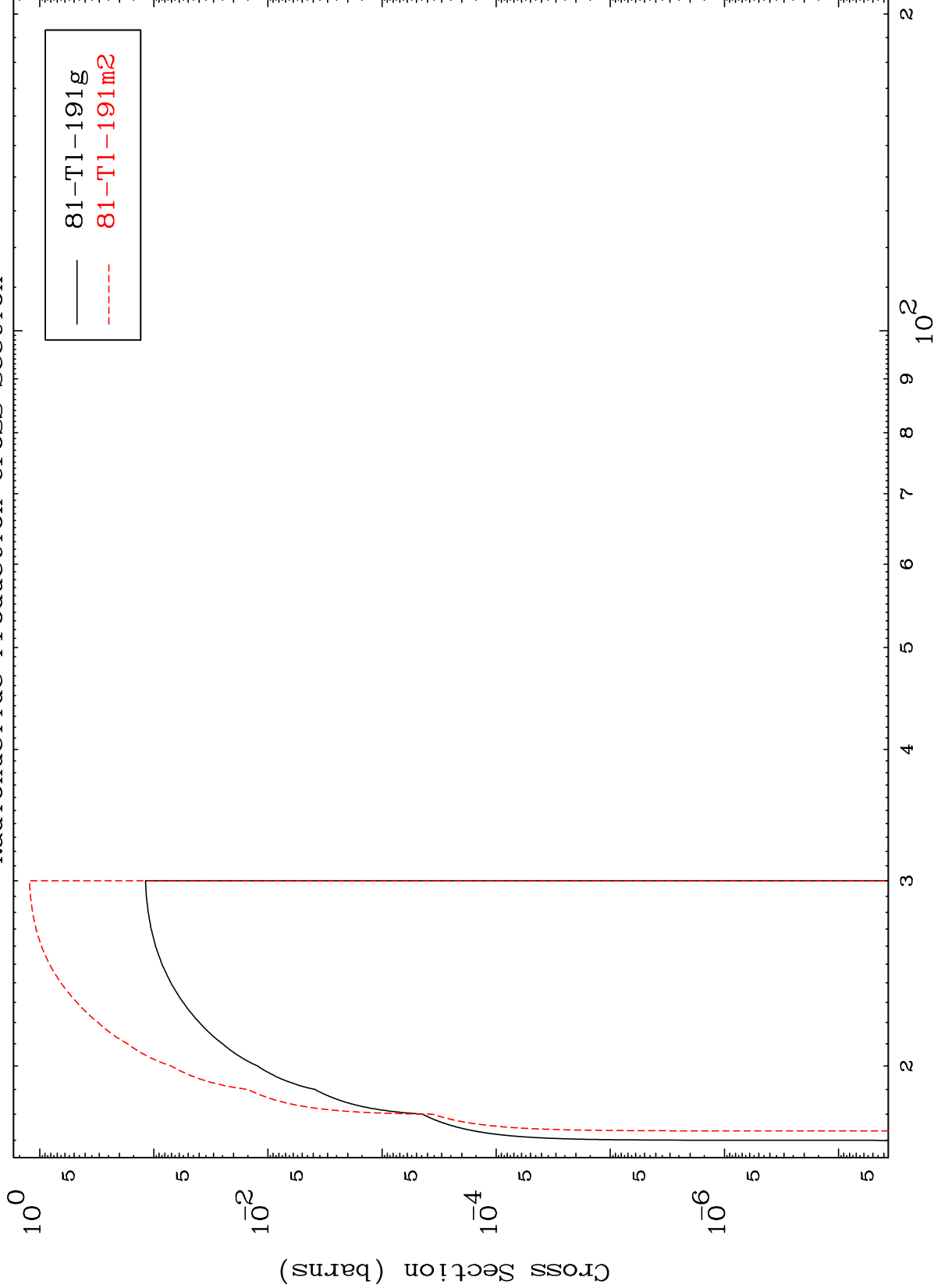


81-Tl-193m

Incident Energy (MeV)

22

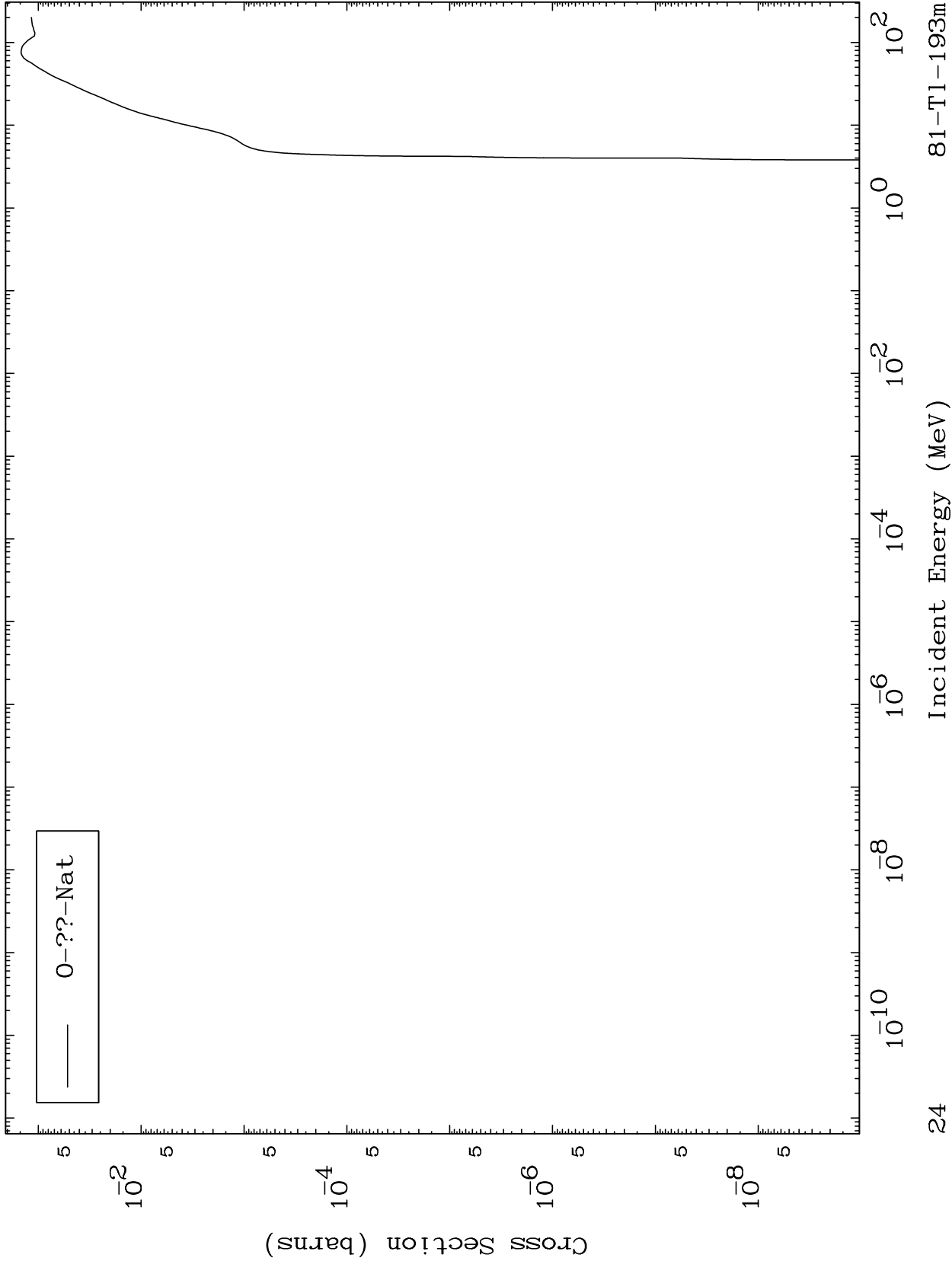
Radionuclide Production Cross Section



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Fission
Radionuclide Production Cross Section

81-Tl-193m



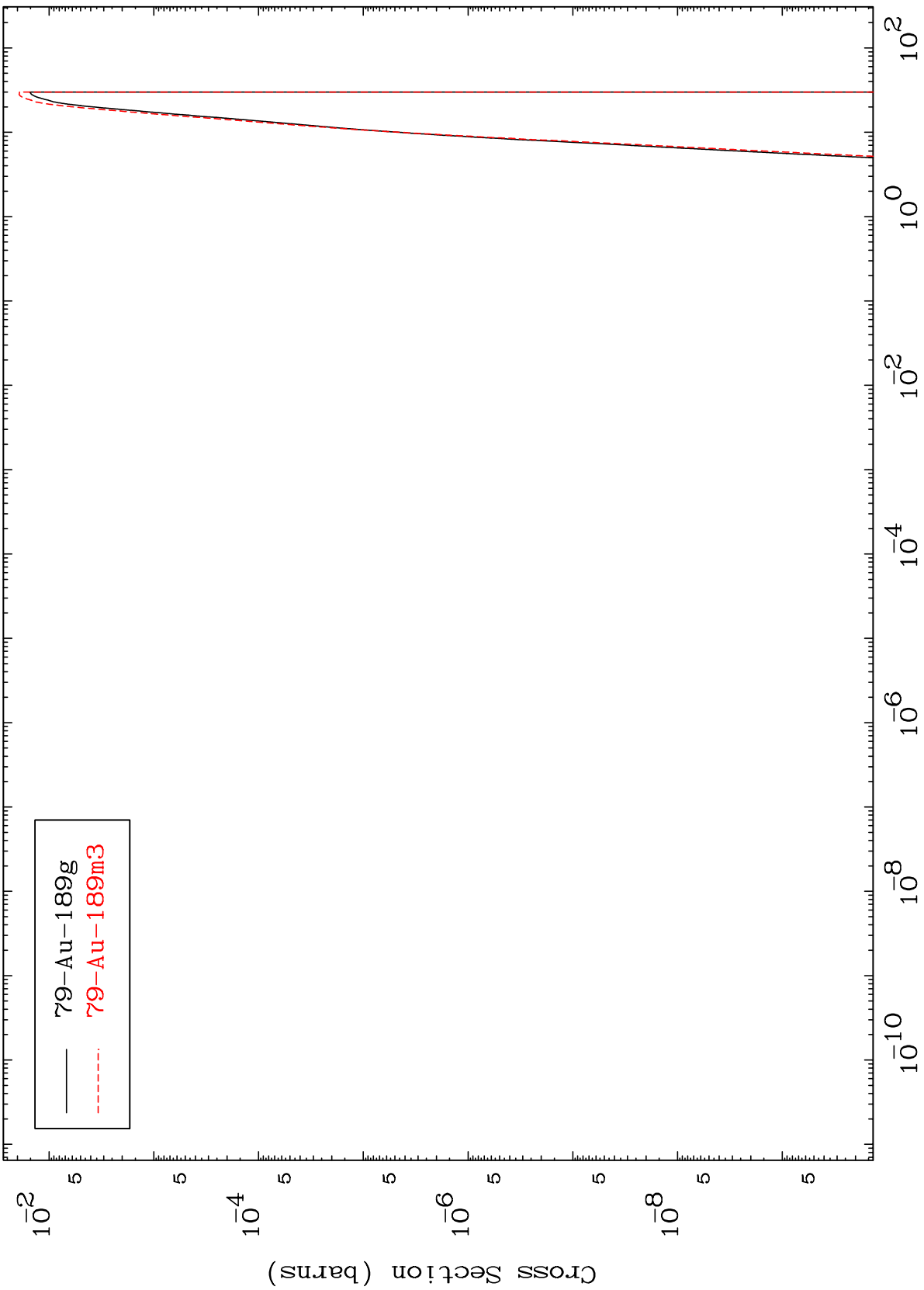
81-Tl-193m

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(n,n') α

81-Tl-193m

Radionuclide Production Cross Section

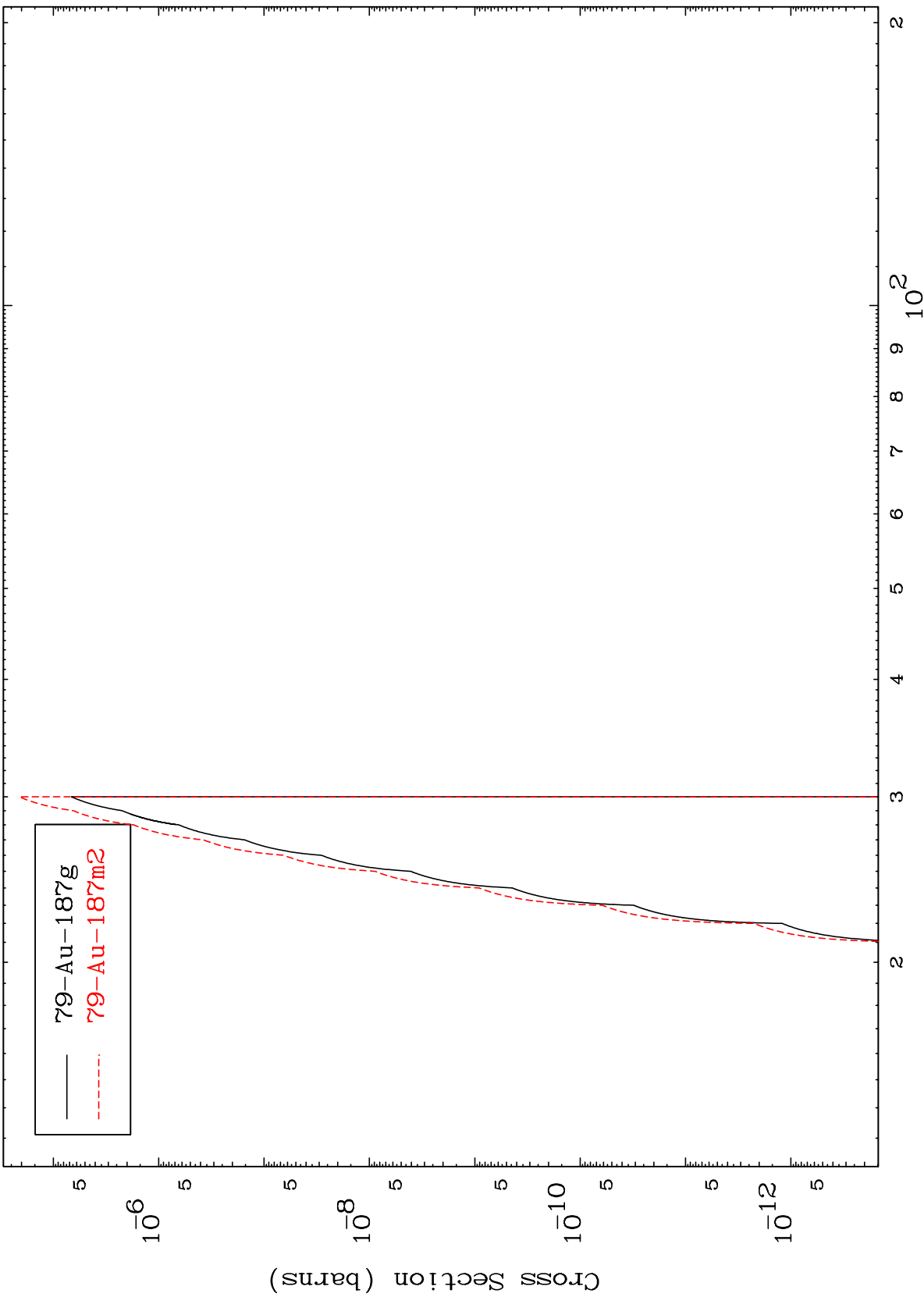


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(n,3n) α

81-Tl-193m

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-193m

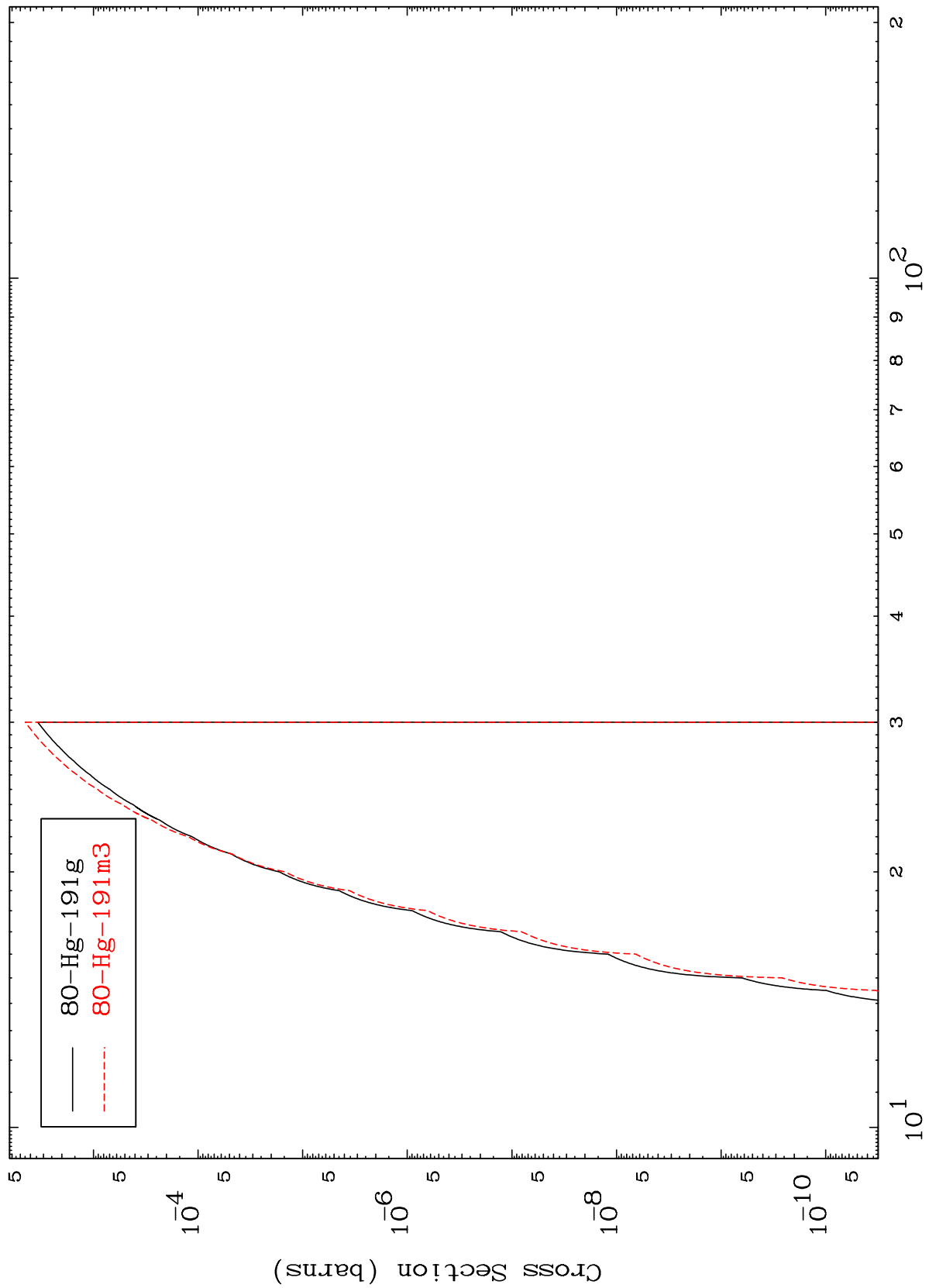
26

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(n,n') d

81-TI-193m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

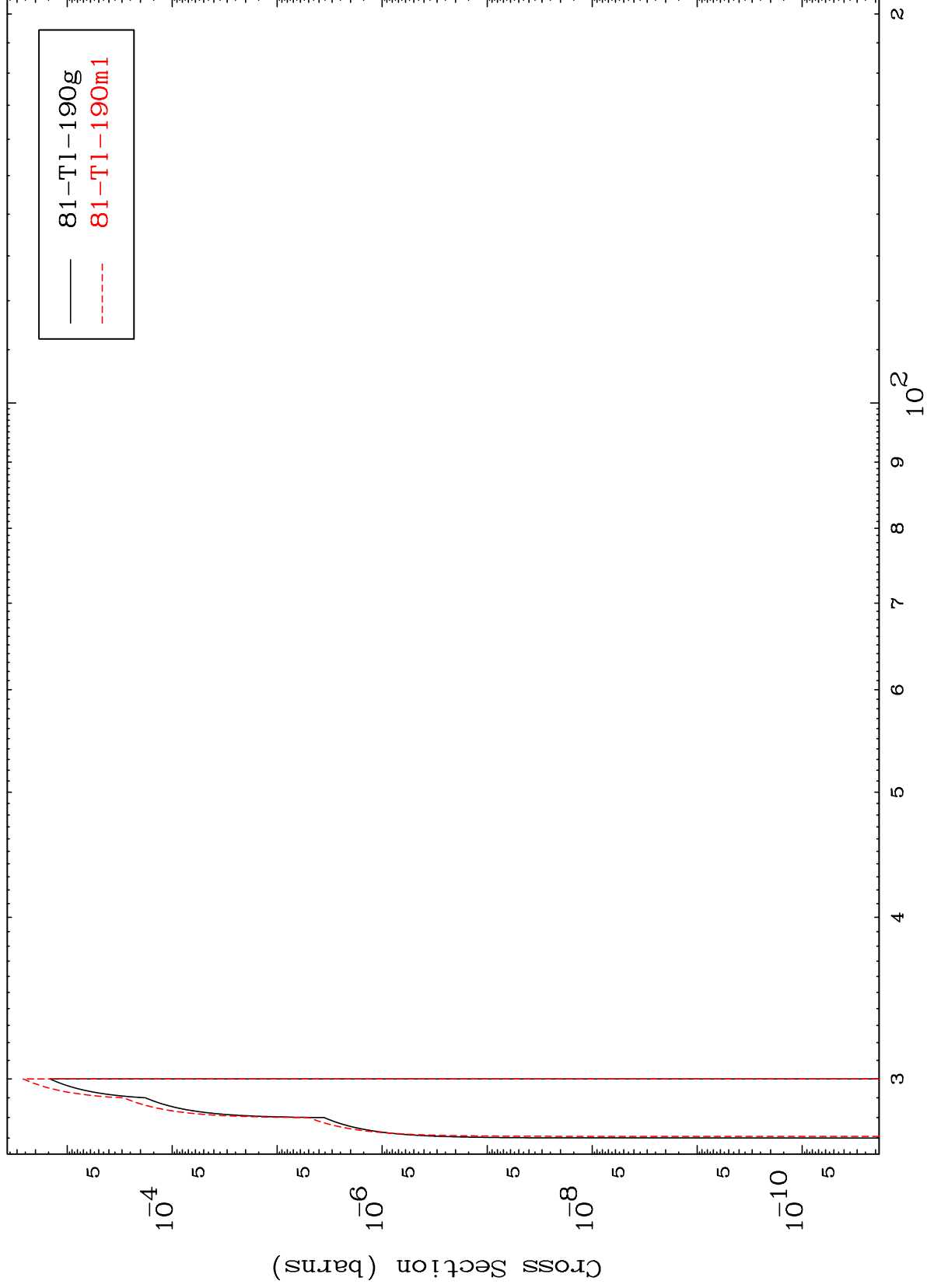
81-TI-193m

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(n,4n)

81-Tl-193m

Radionuclide Production Cross Section

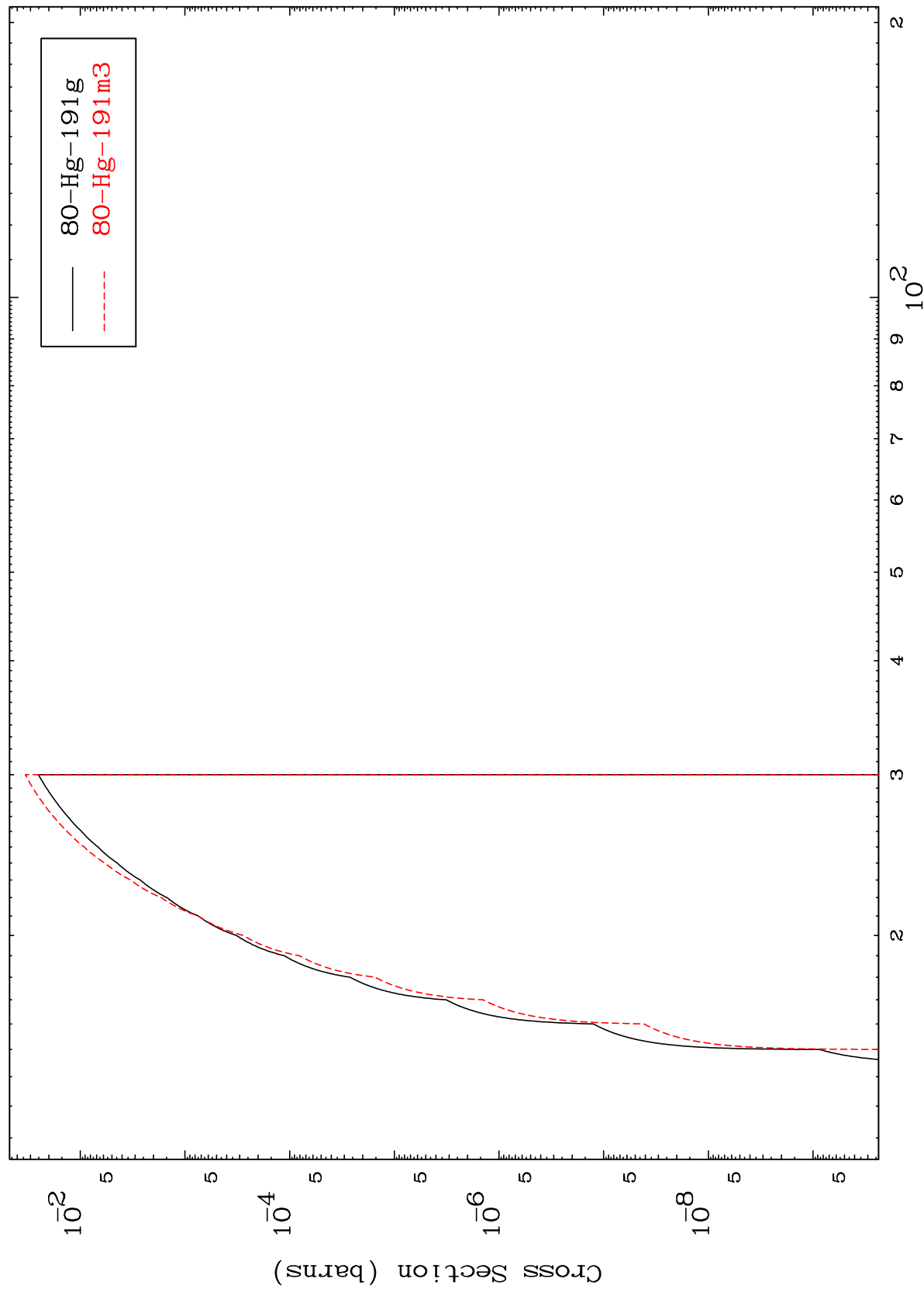


28

Incident Energy (MeV)

81-Tl-193m

Radionuclide Production Cross Section

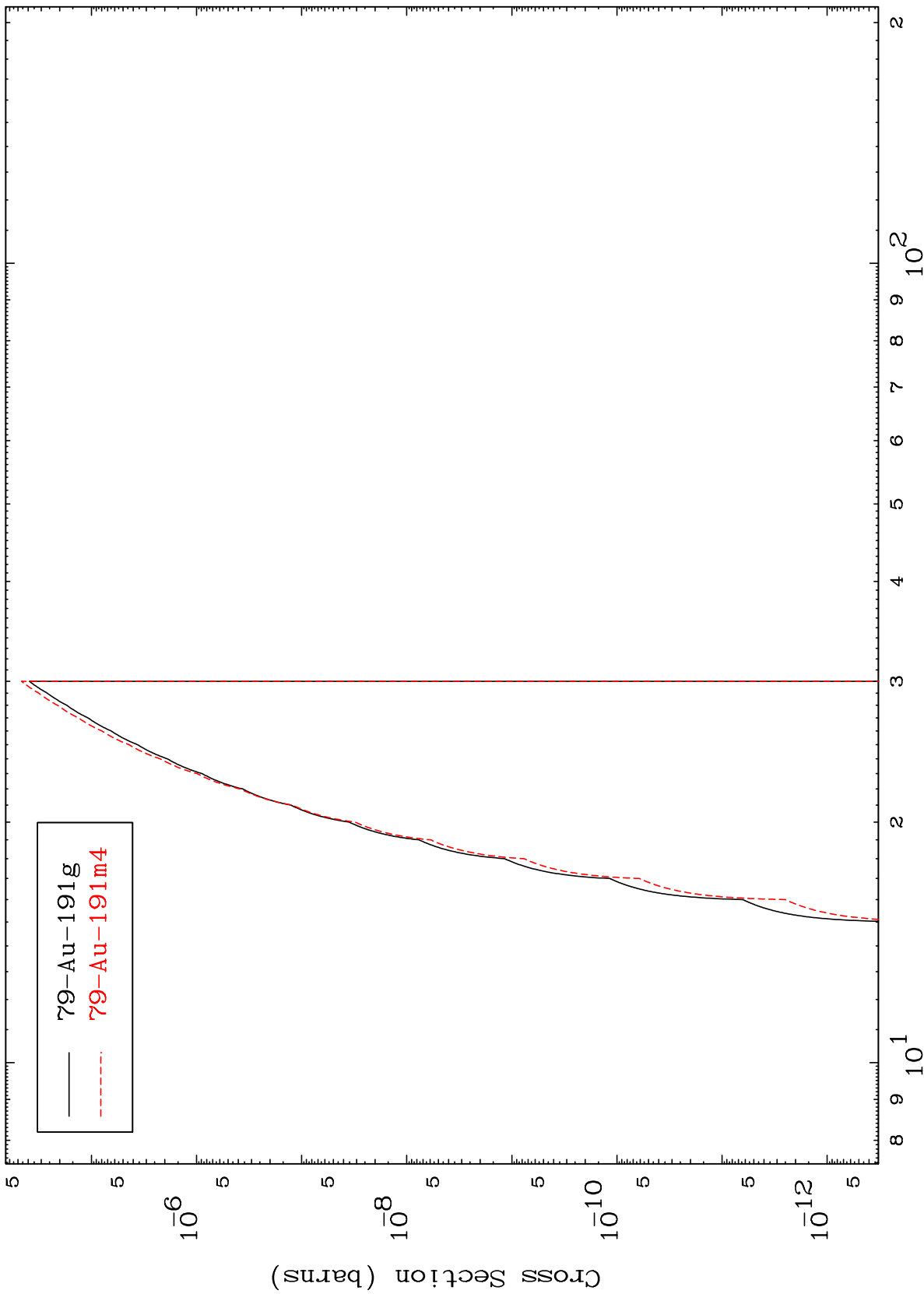


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(n,2n) p

81-Tl-193m

Radionuclide Production Cross Section



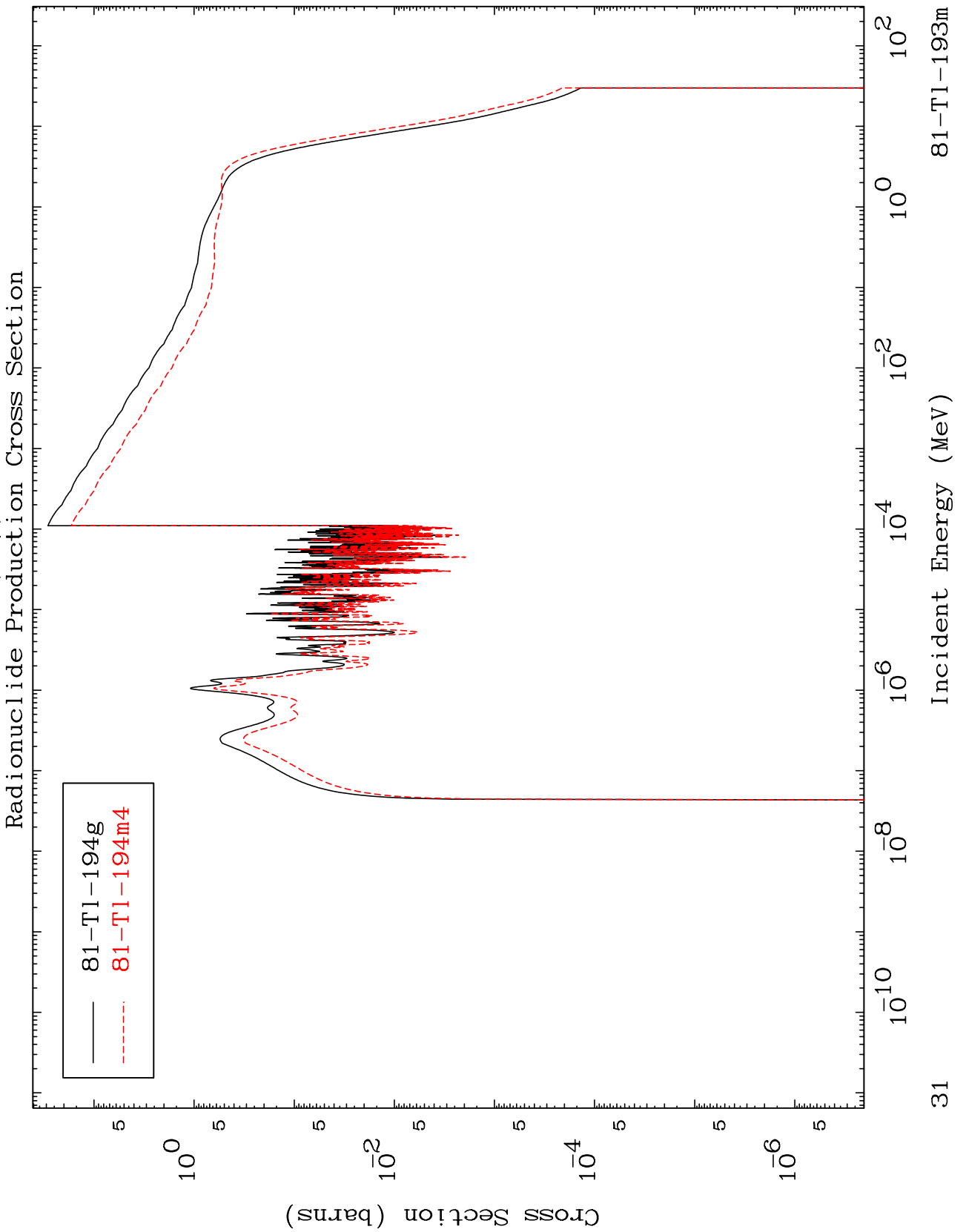
Incident Energy (MeV)

81-Tl-193m

30

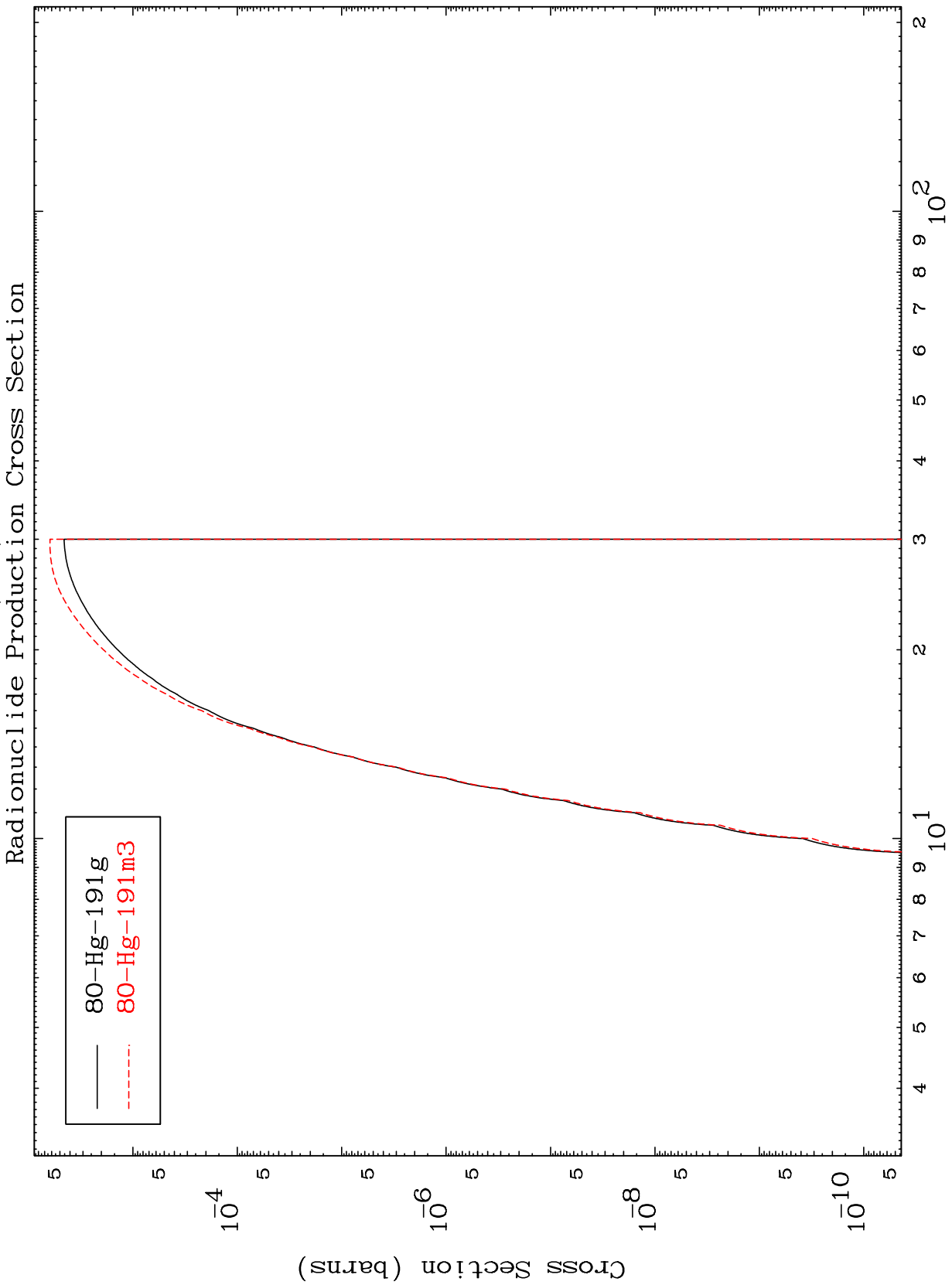
MAT 8096

81-Tl-193m



MAT 8096

81-Tl-193m

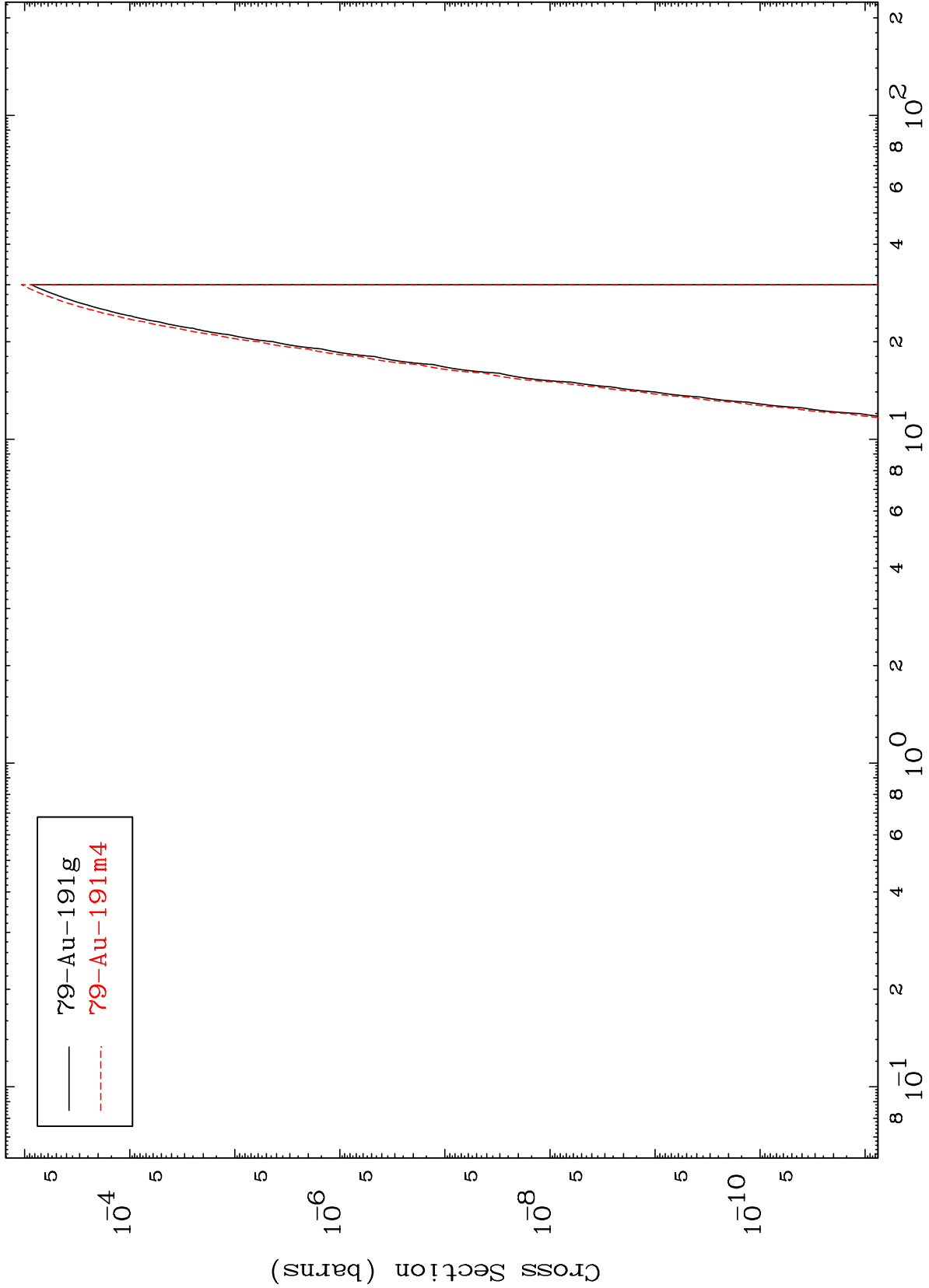


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(n,He-3)

81-Tl-193m

Radionuclide Production Cross Section



— $^{79}\text{Au-191g}$
- - - $^{79}\text{Au-191m4}$

34

Incident Energy (MeV)

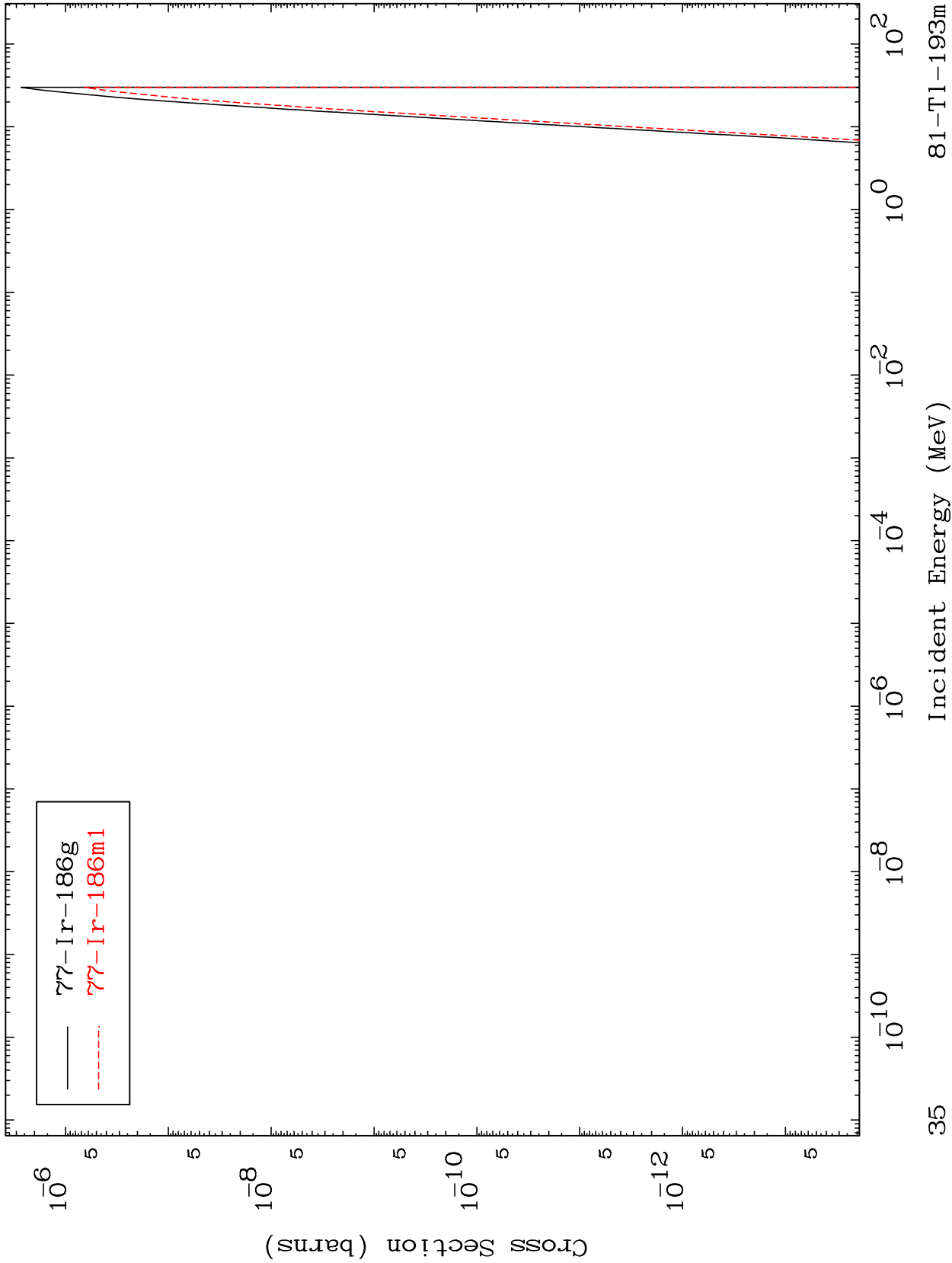
81-Tl-193m

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(n,2α)

81-Tl-193m

Radionuclide Production Cross Section

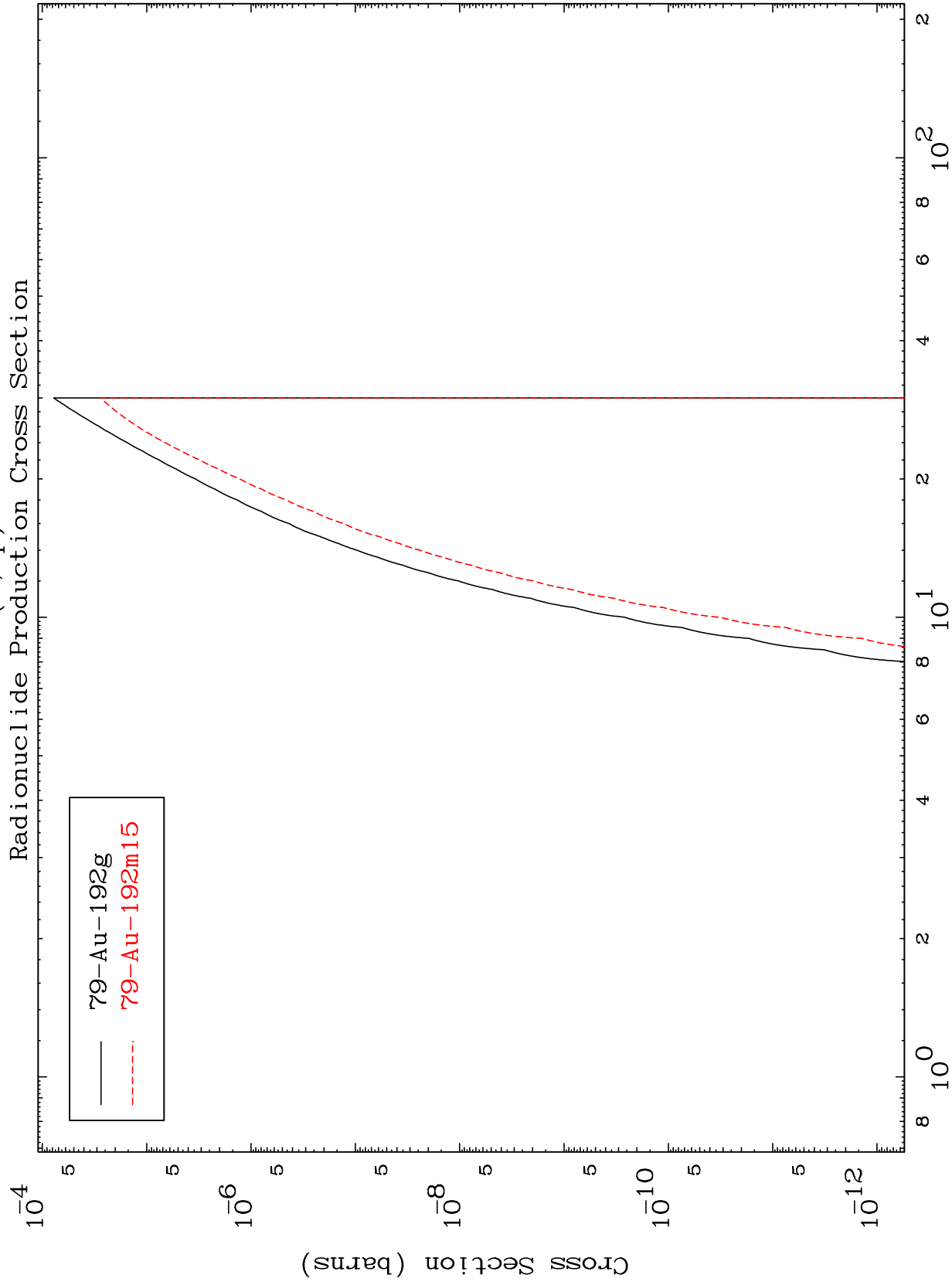


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(n,2p)

81-Tl-193m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

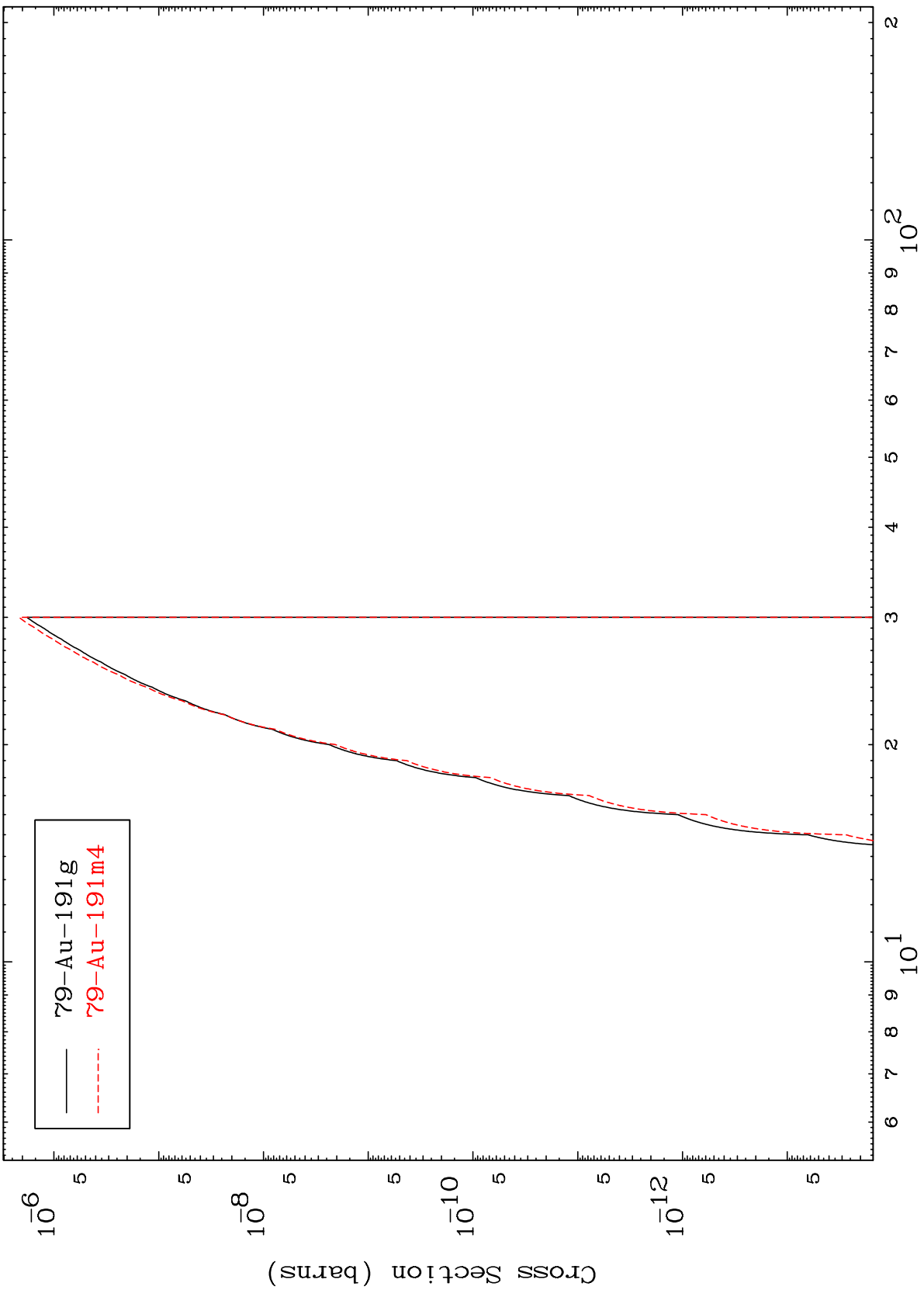
81-Tl-193m

MAT 8096

(n,p) d

81-Tl-193m

Radionuclide Production Cross Section



37

Incident Energy (MeV)

81-Tl-193m