

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

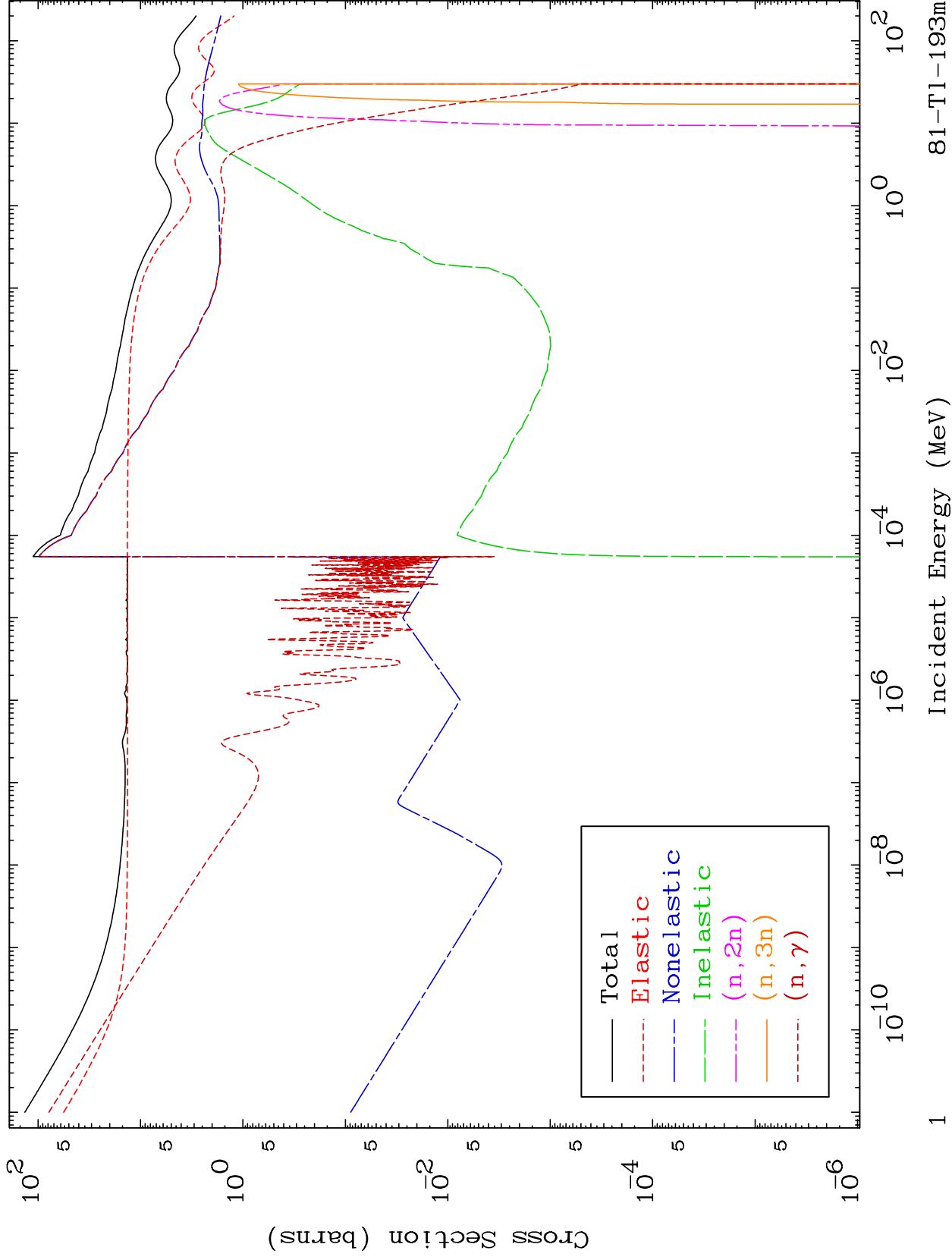
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8096

Neutron Major  
293 Kelvin Cross Sections

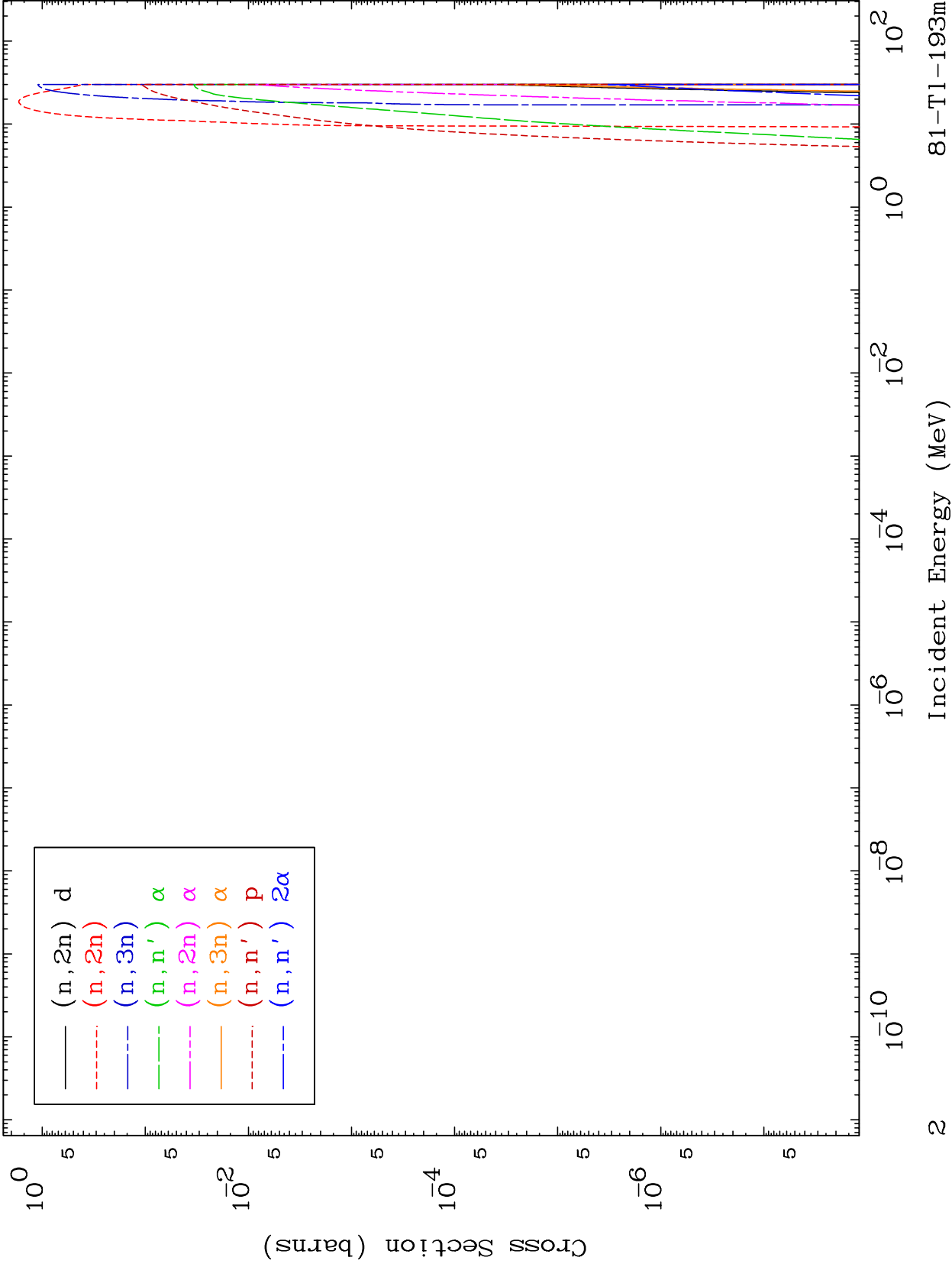
81-TI-193m



MAT 8096

Neutron Absorption  
293 Kelvin Cross Sections

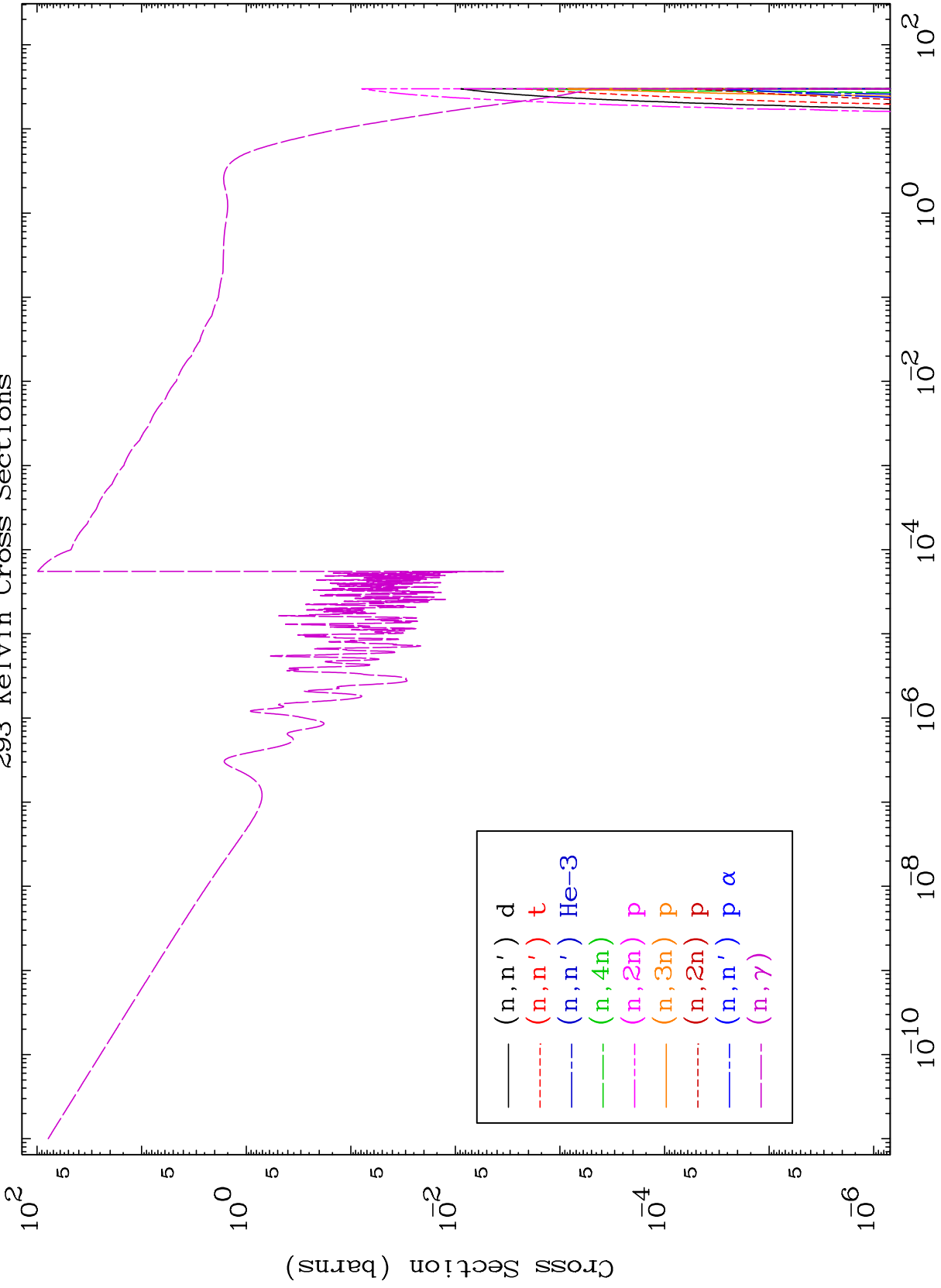
81-Tl-193m



MAT 8096

Neutron Absorption  
293 Kelvin Cross Sections

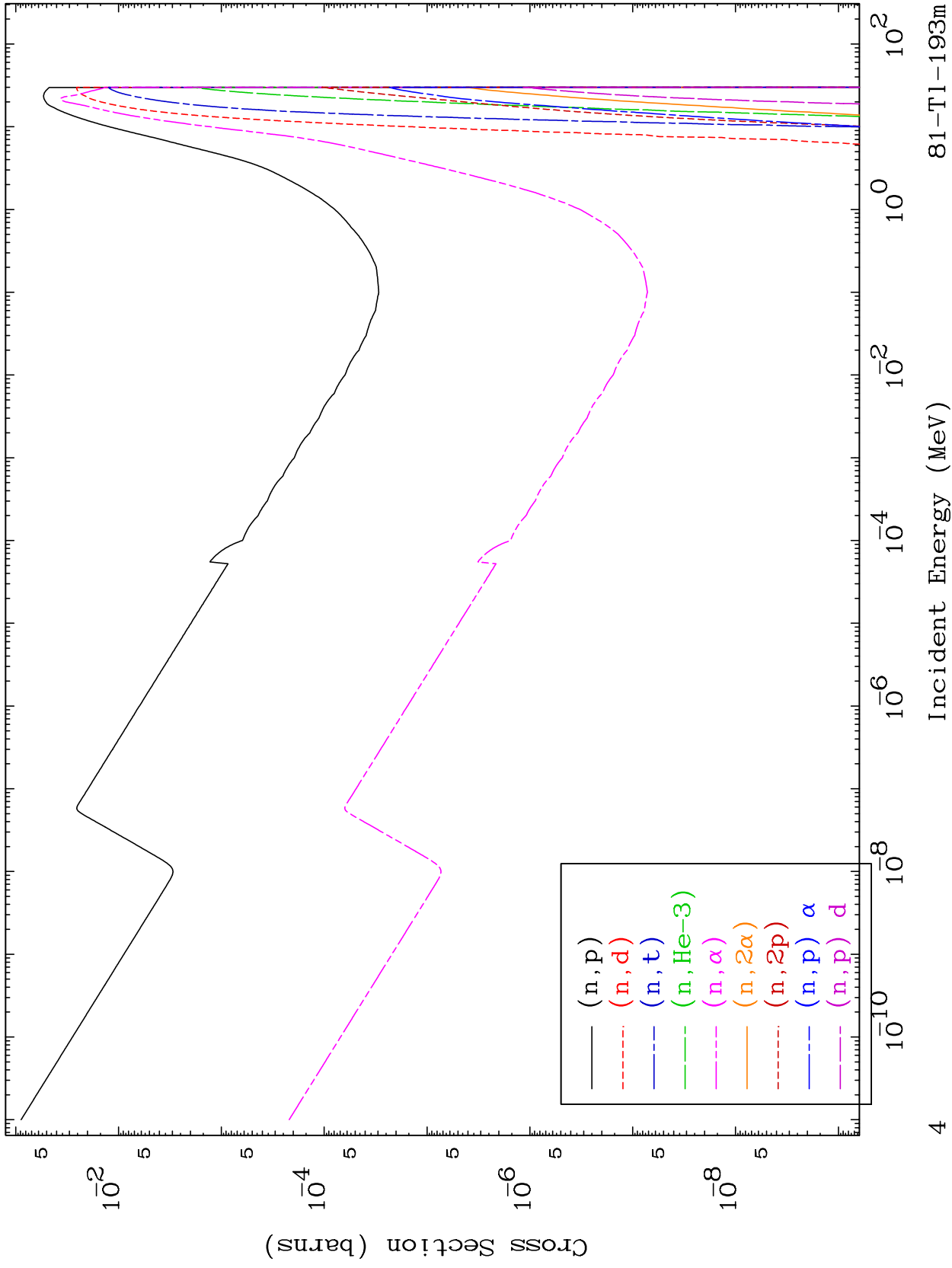
81-TI-193m

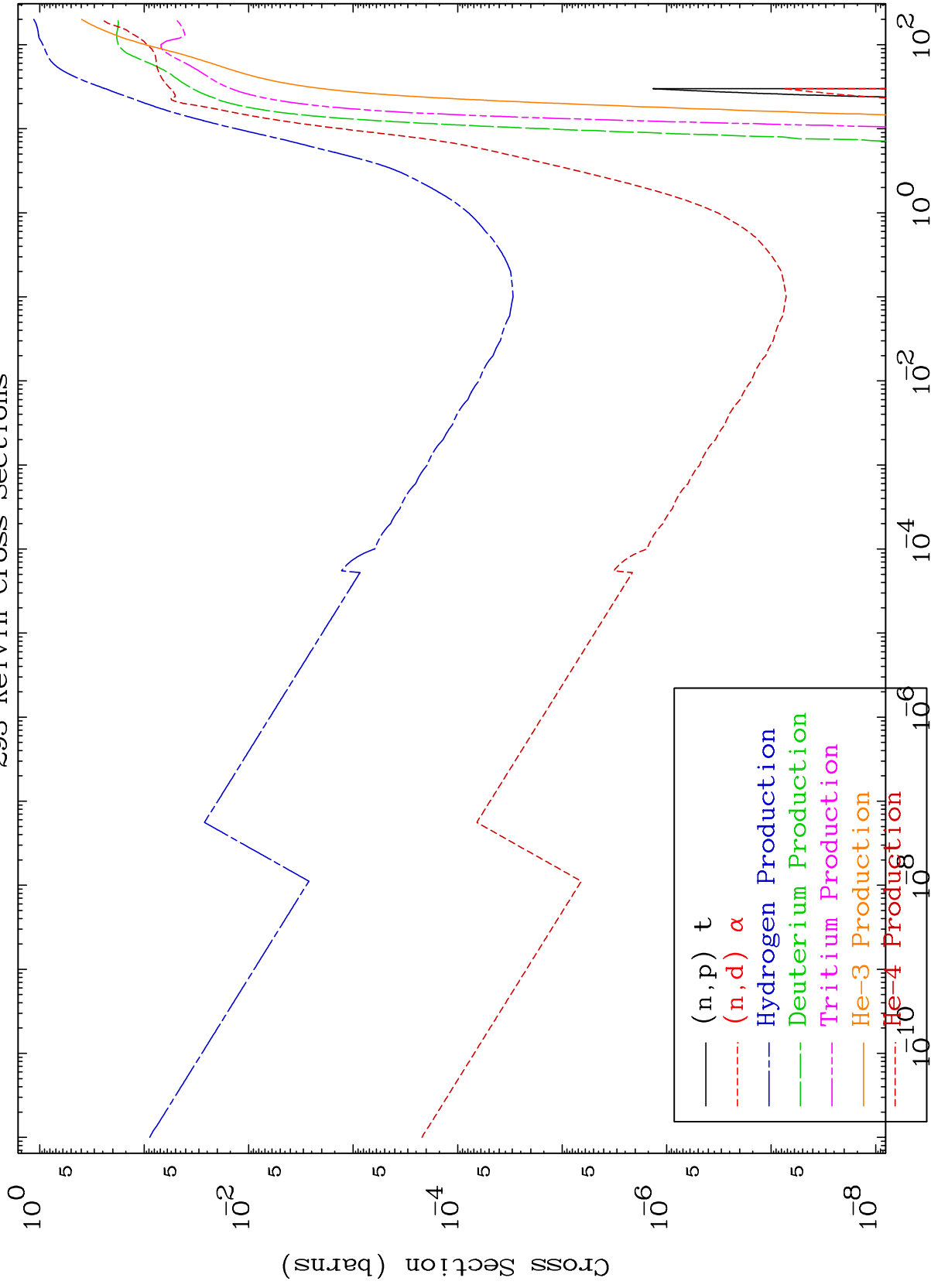


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Neutron Absorption  
293 Kelvin Cross Sections

81-Tl-193m

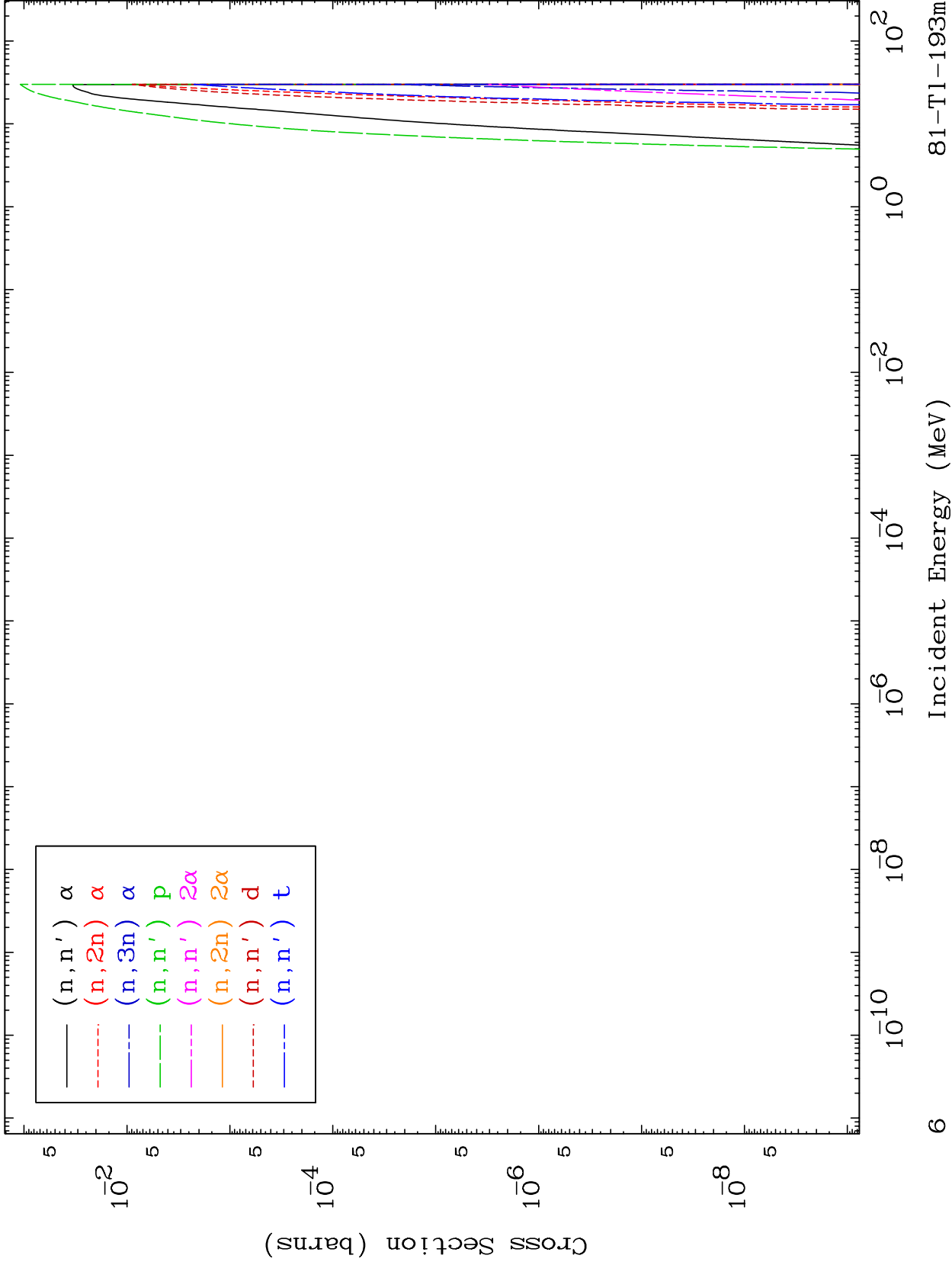




MAT 8096

Charged Particle  
293 Kelvin Cross Sections

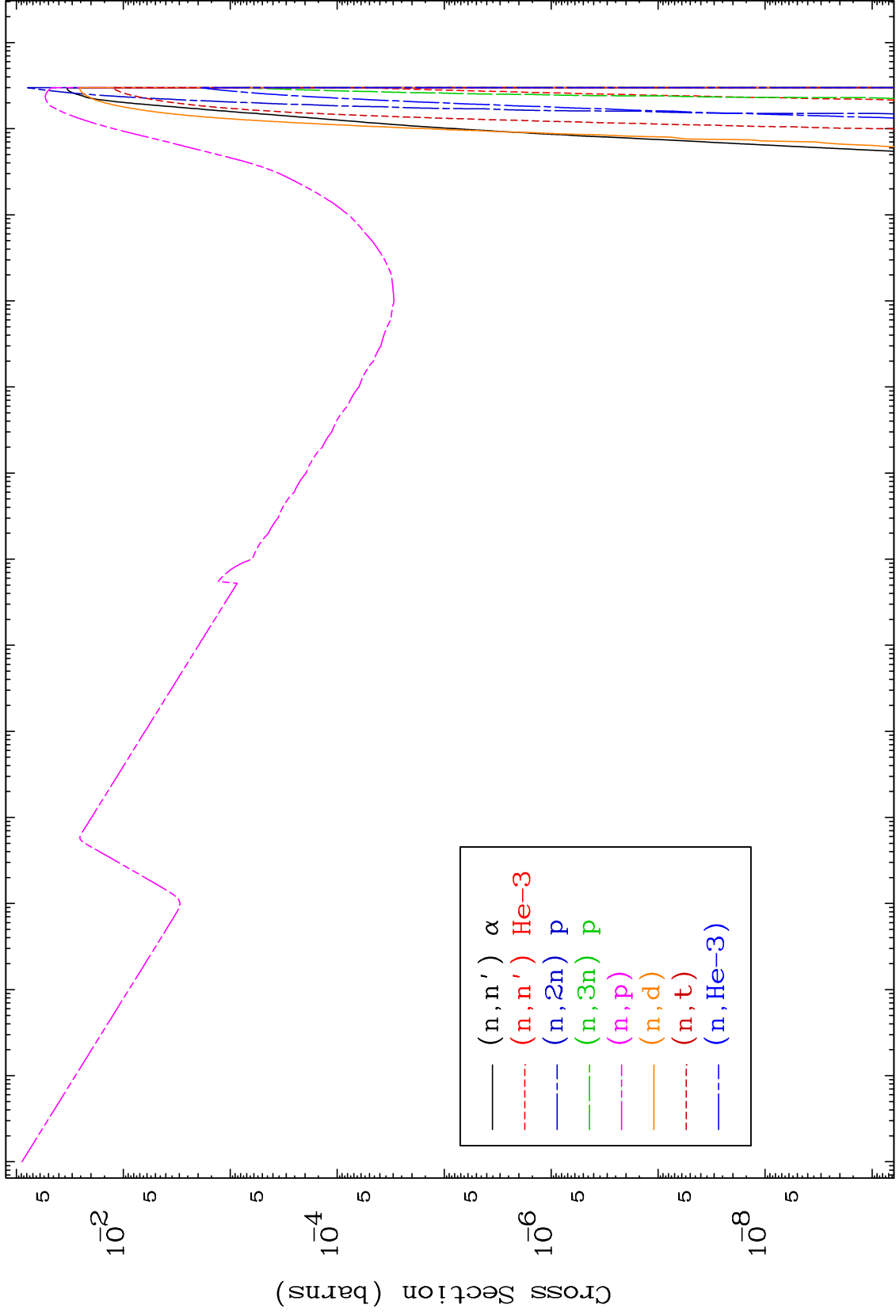
81-Tl-193m



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Charged Particle  
293 Kelvin Cross Sections

81-Tl-193m



81-Tl-193m

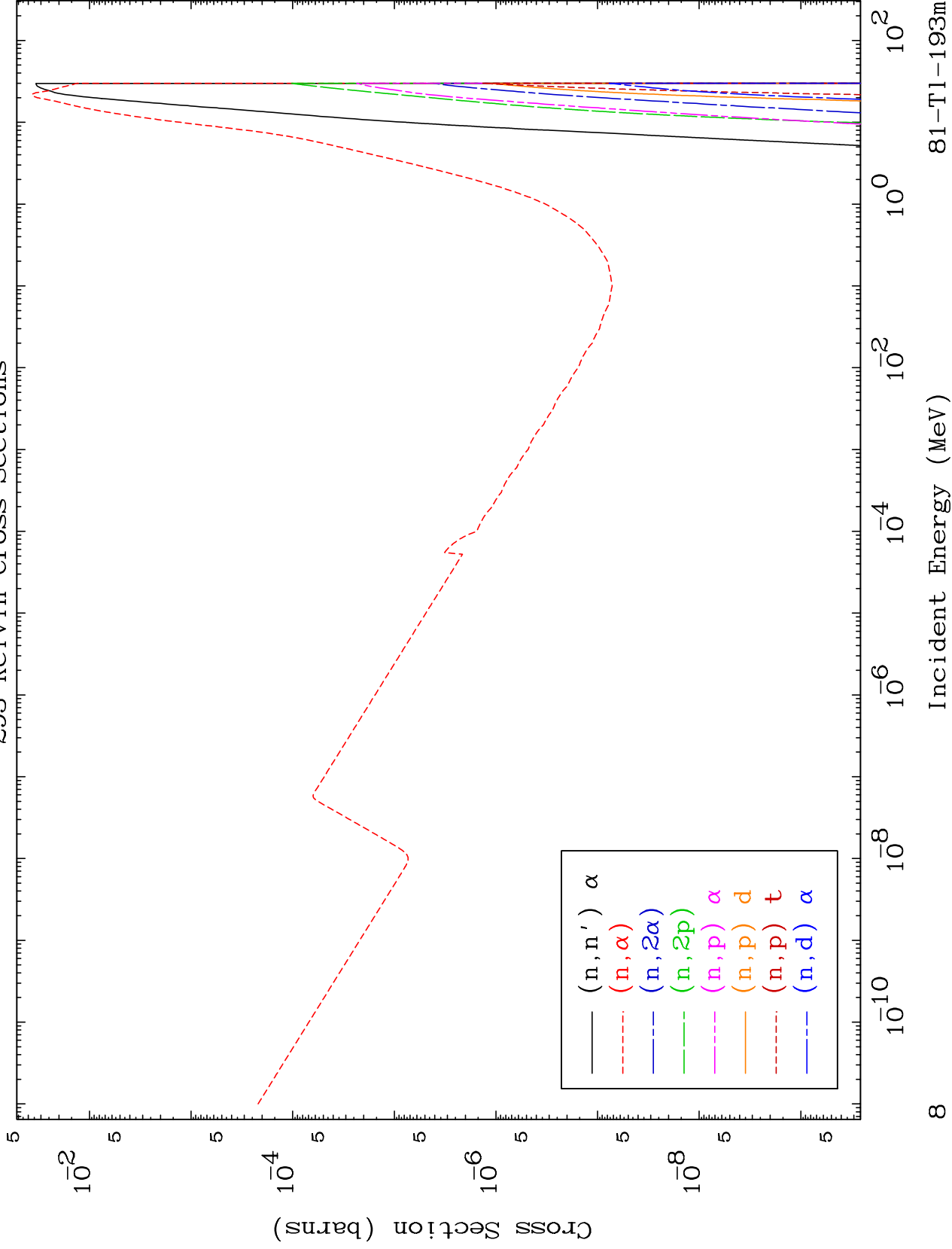
Incident Energy (MeV)



MAT 8096

Charged Particle  
293 Kelvin Cross Sections

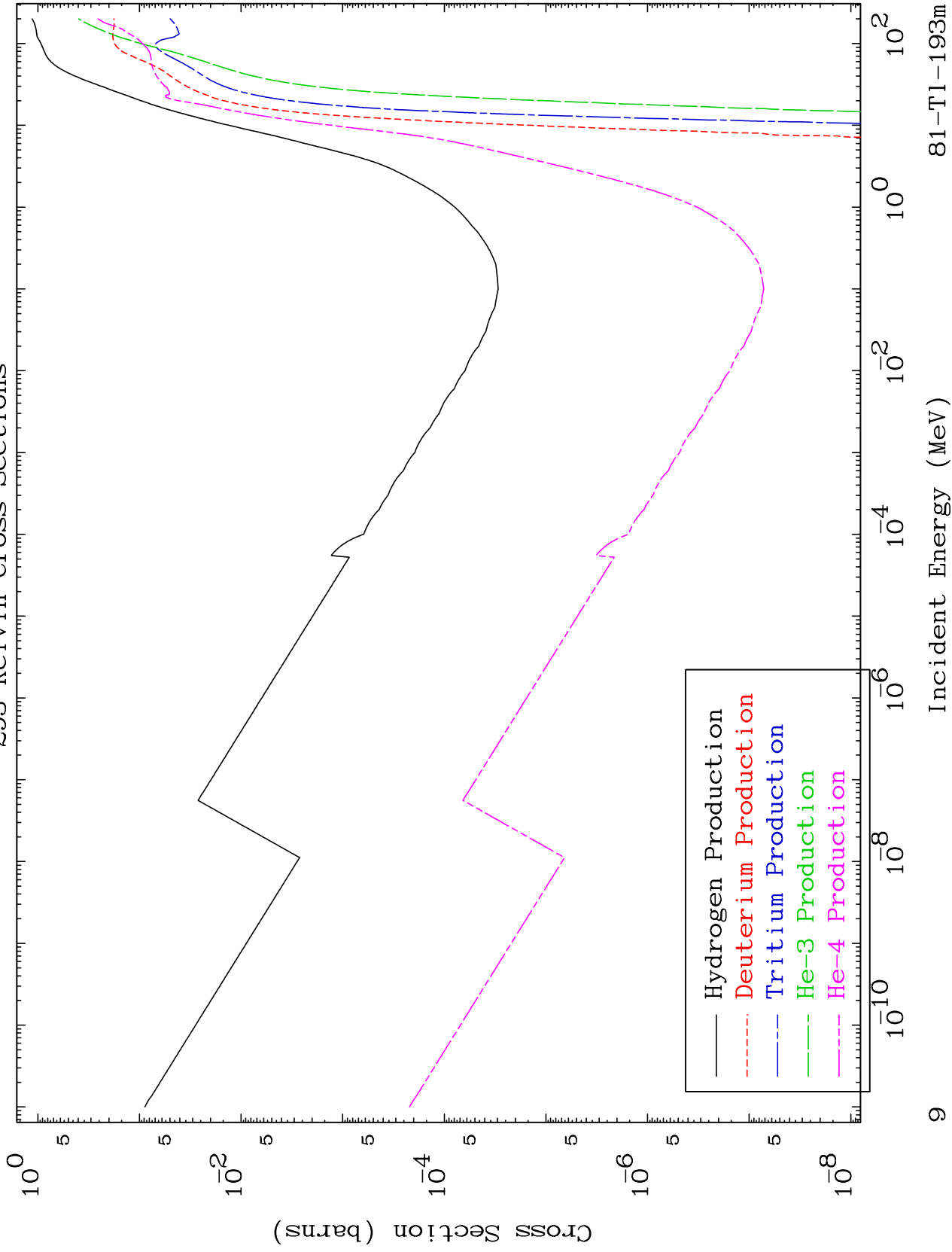
81-Tl-193m



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Particle Production  
293 Kelvin Cross Sections

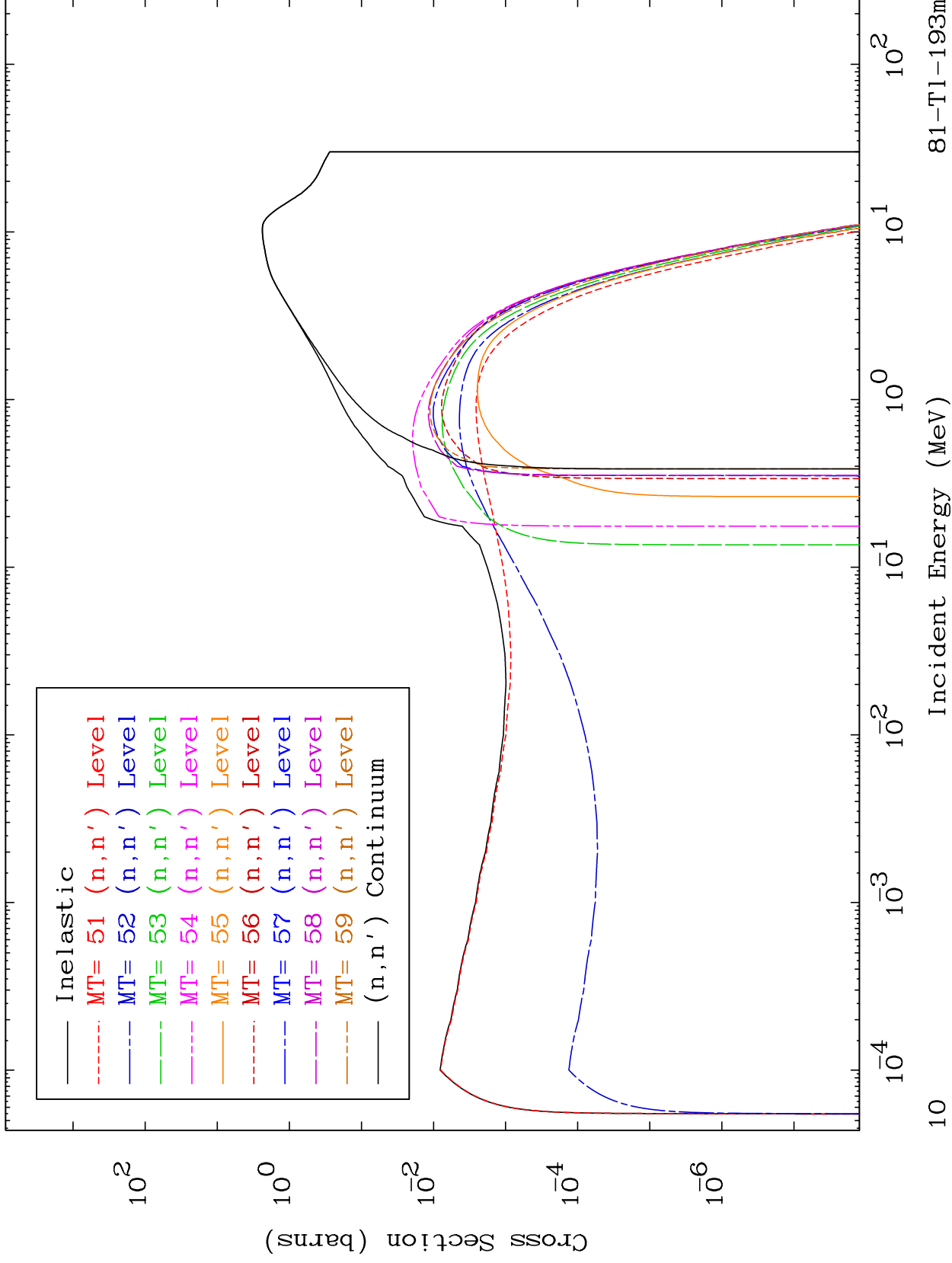
81-Tl-193m

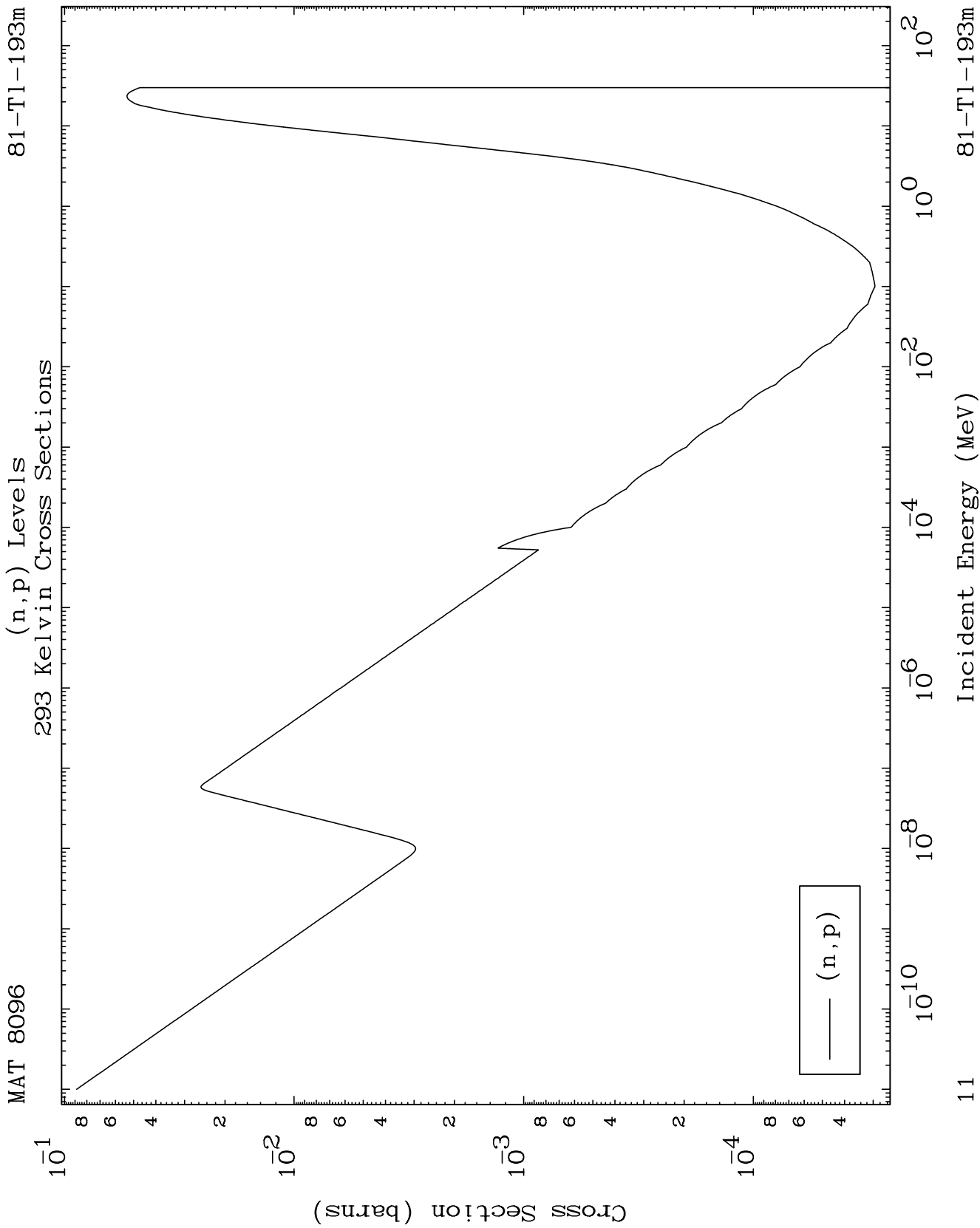


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(n,n') Levels  
293 Kelvin Cross Sections

81-Tl-193m

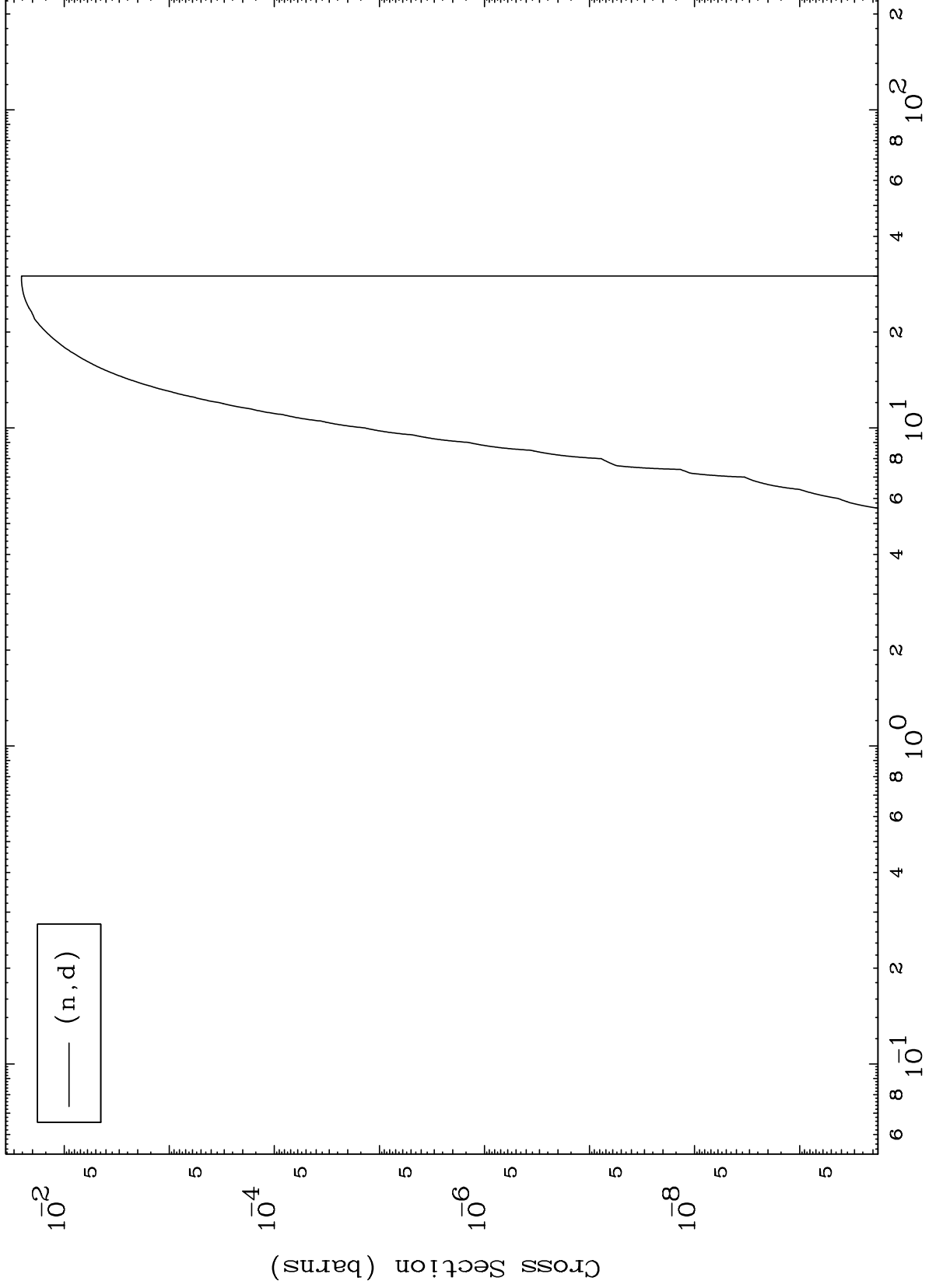




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(n,d) Levels  
293 Kelvin Cross Sections

81-Tl-193m



12

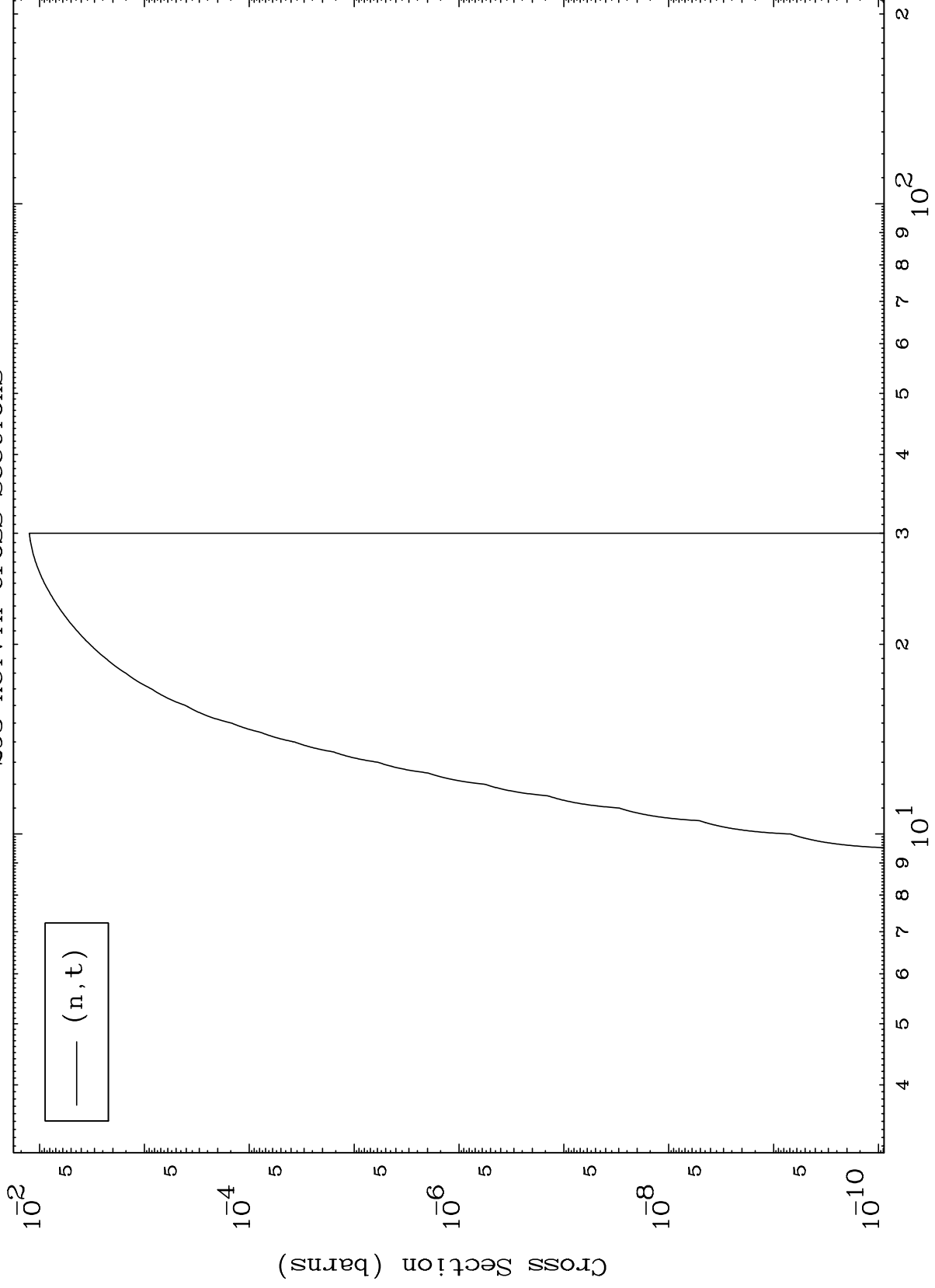
Incident Energy (MeV)

81-Tl-193m

MAT 8096

(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-193m



13

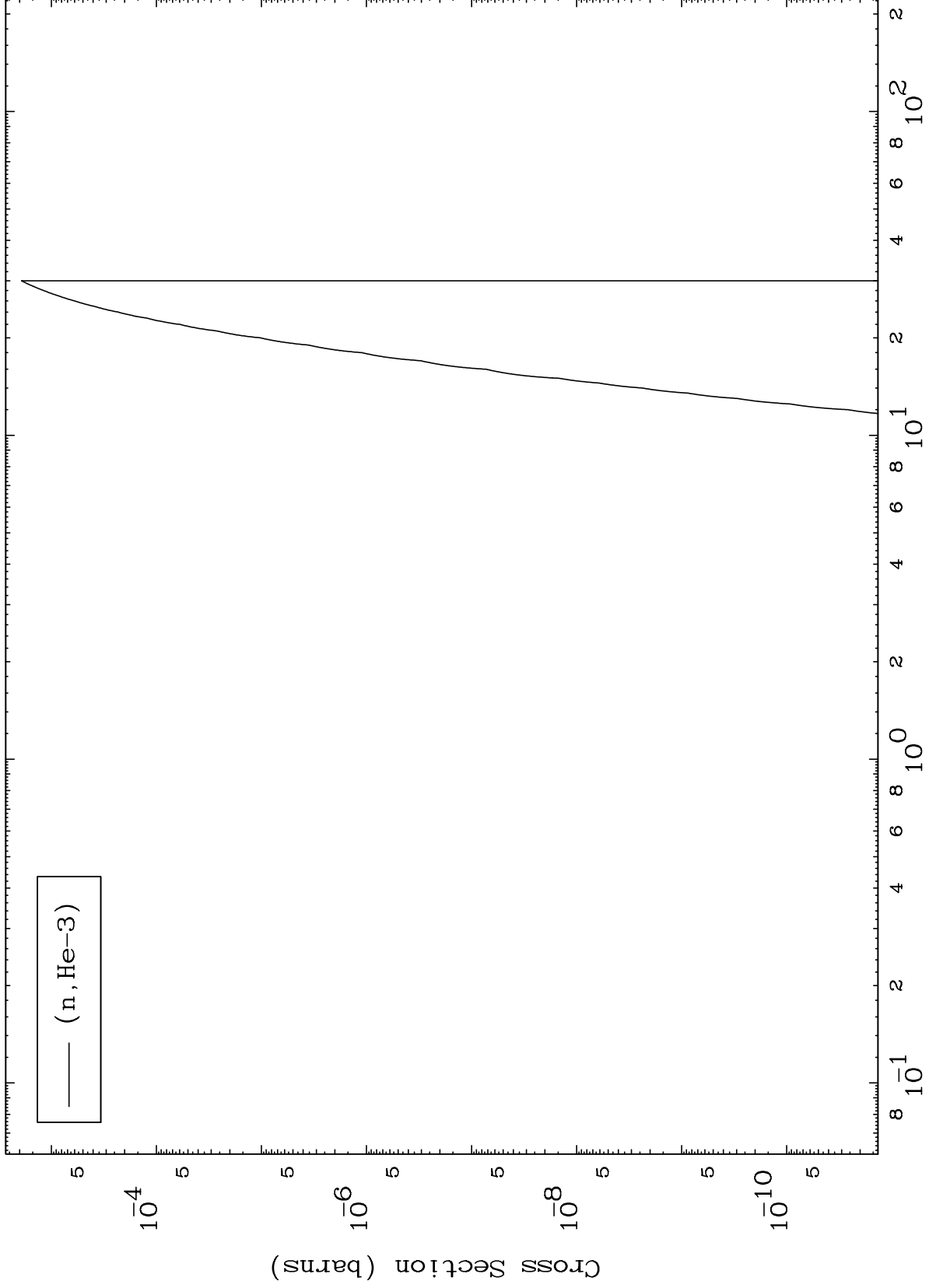
Incident Energy (MeV)

81-Tl-193m

MAT 8096

(n,He3) Levels  
293 Kelvin Cross Sections

81-Tl-193m



14

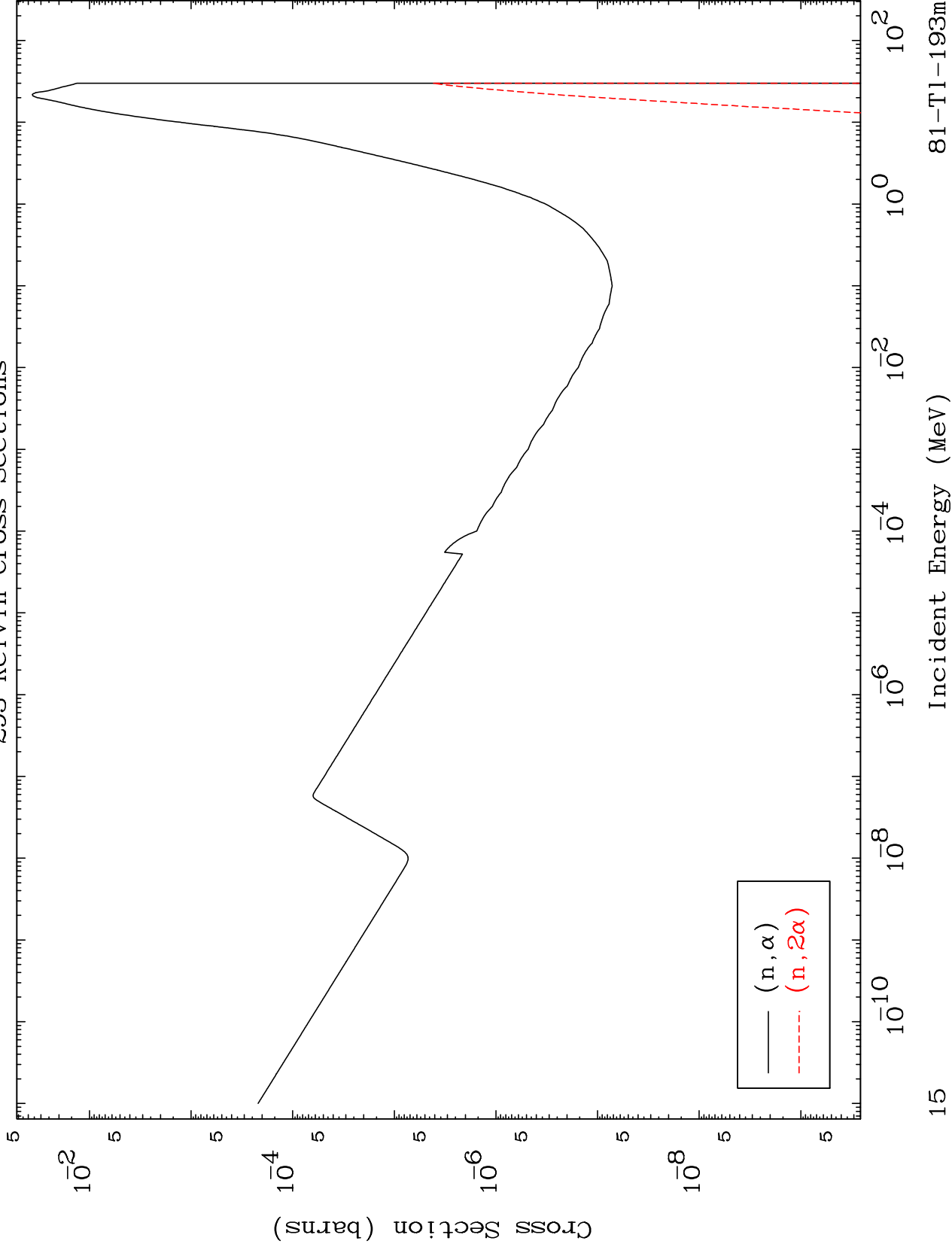
Incident Energy (MeV)

81-Tl-193m

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(n,α) Levels  
293 Kelvin Cross Sections

81-Tl-193m

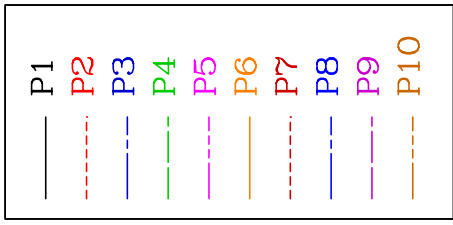
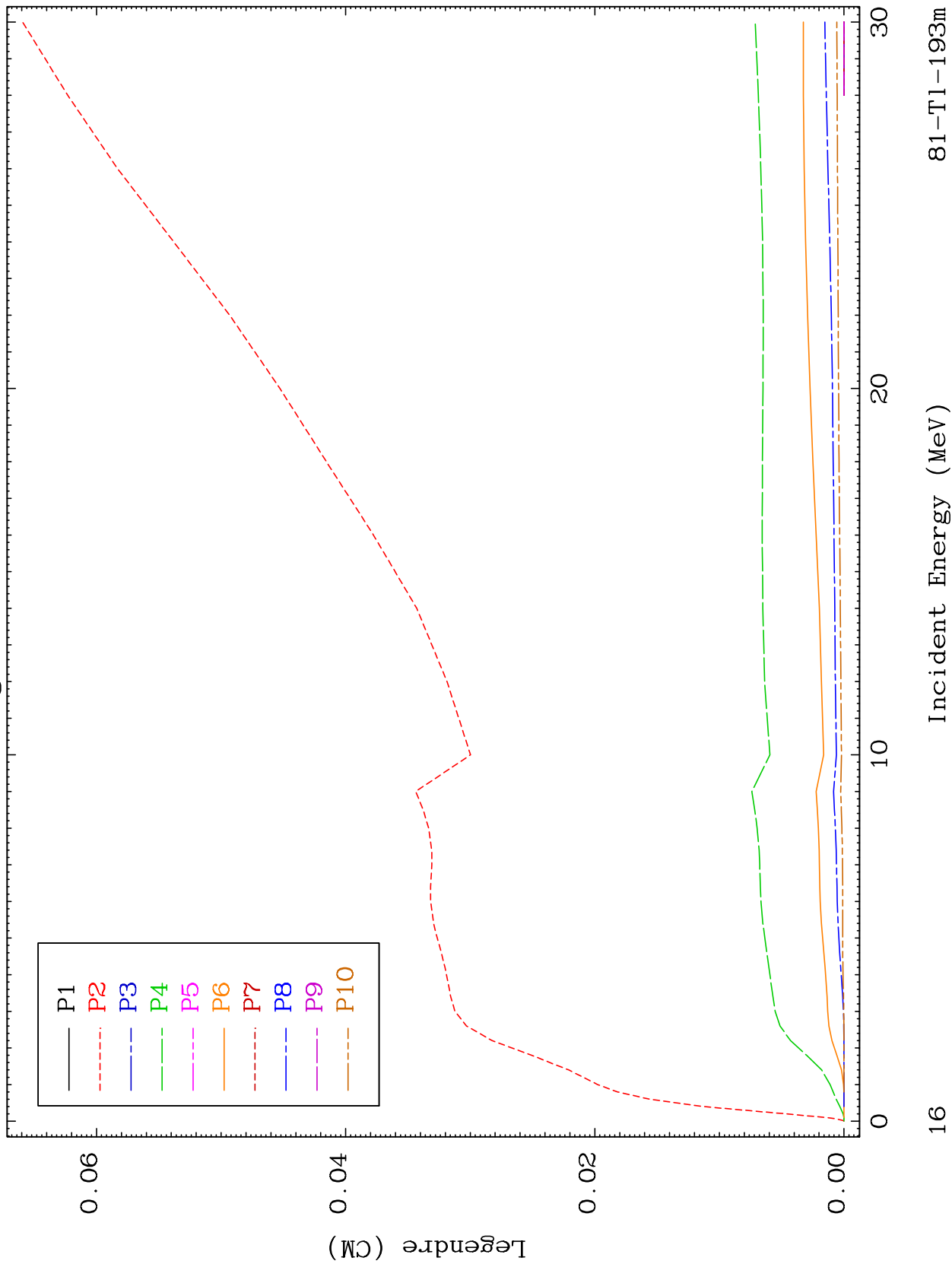




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Elastic Legendre Coefficients

81-Tl-193m



MAT 8096

Elastic Legendre Coefficients

81-Tl-193m



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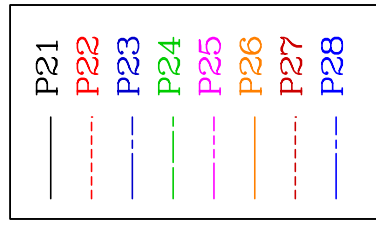
Incident Energy (MeV)

81-Tl-193m

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Elastic  
Legendre Coefficients

81-Tl-193m



$\times 10^{-6}$   
2.0  
1.5

Legendre (CM)

1.0

0.5

0.0

15

20

25

30

18

Incident Energy (MeV)

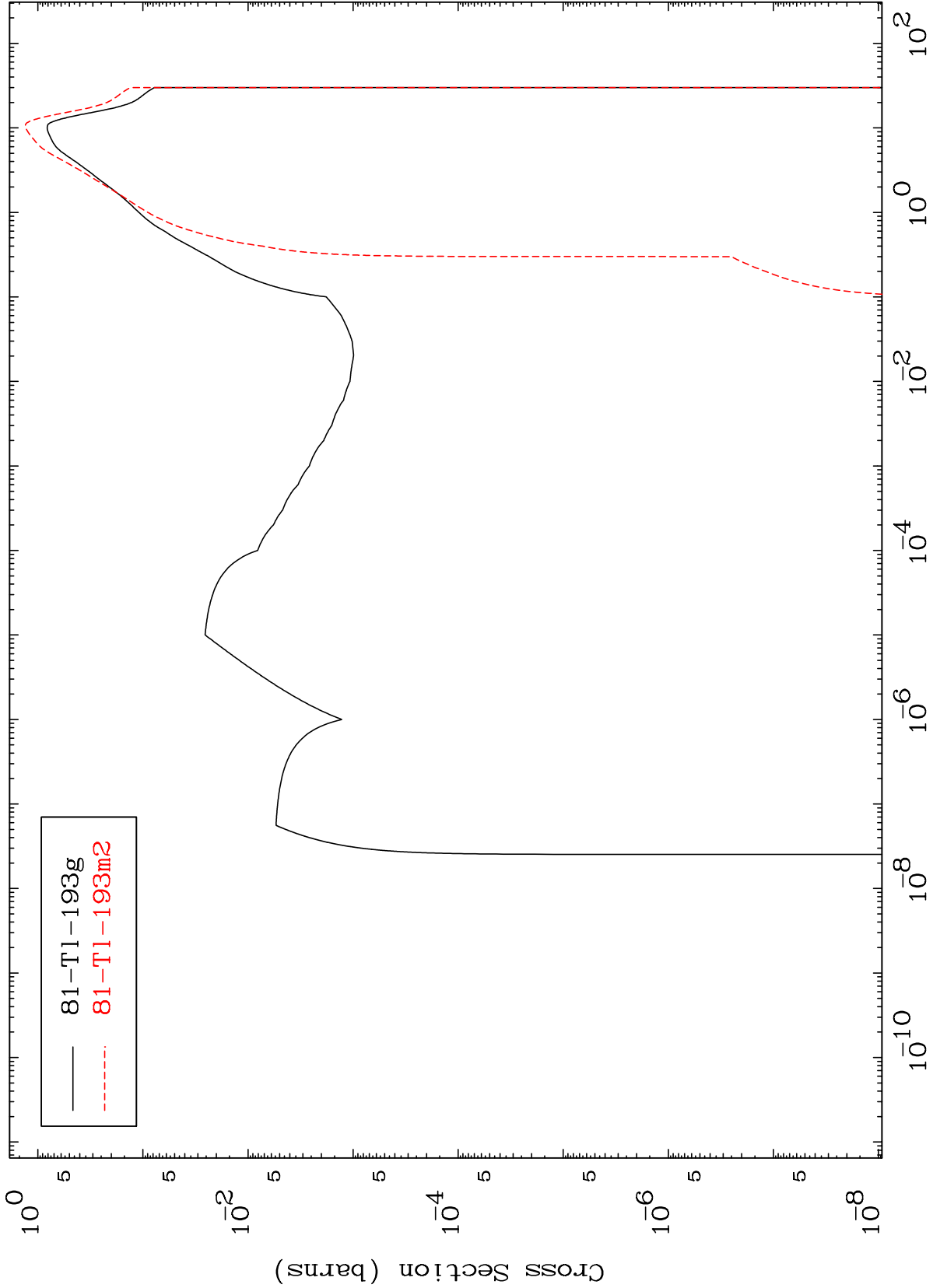
81-Tl-193m



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Inelastic  
Radionuclide Production Cross Section

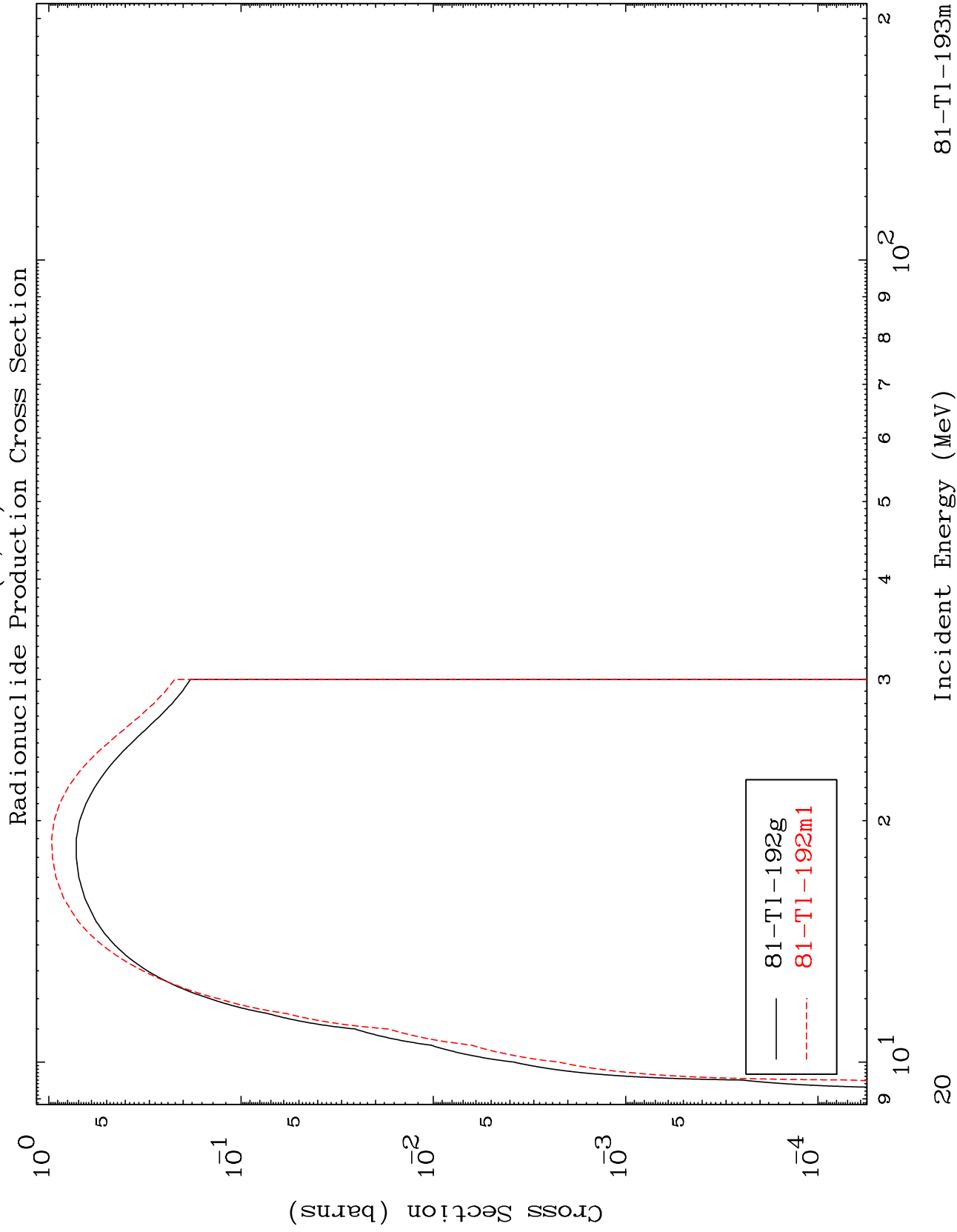
81-Tl-193m



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(n,2n)

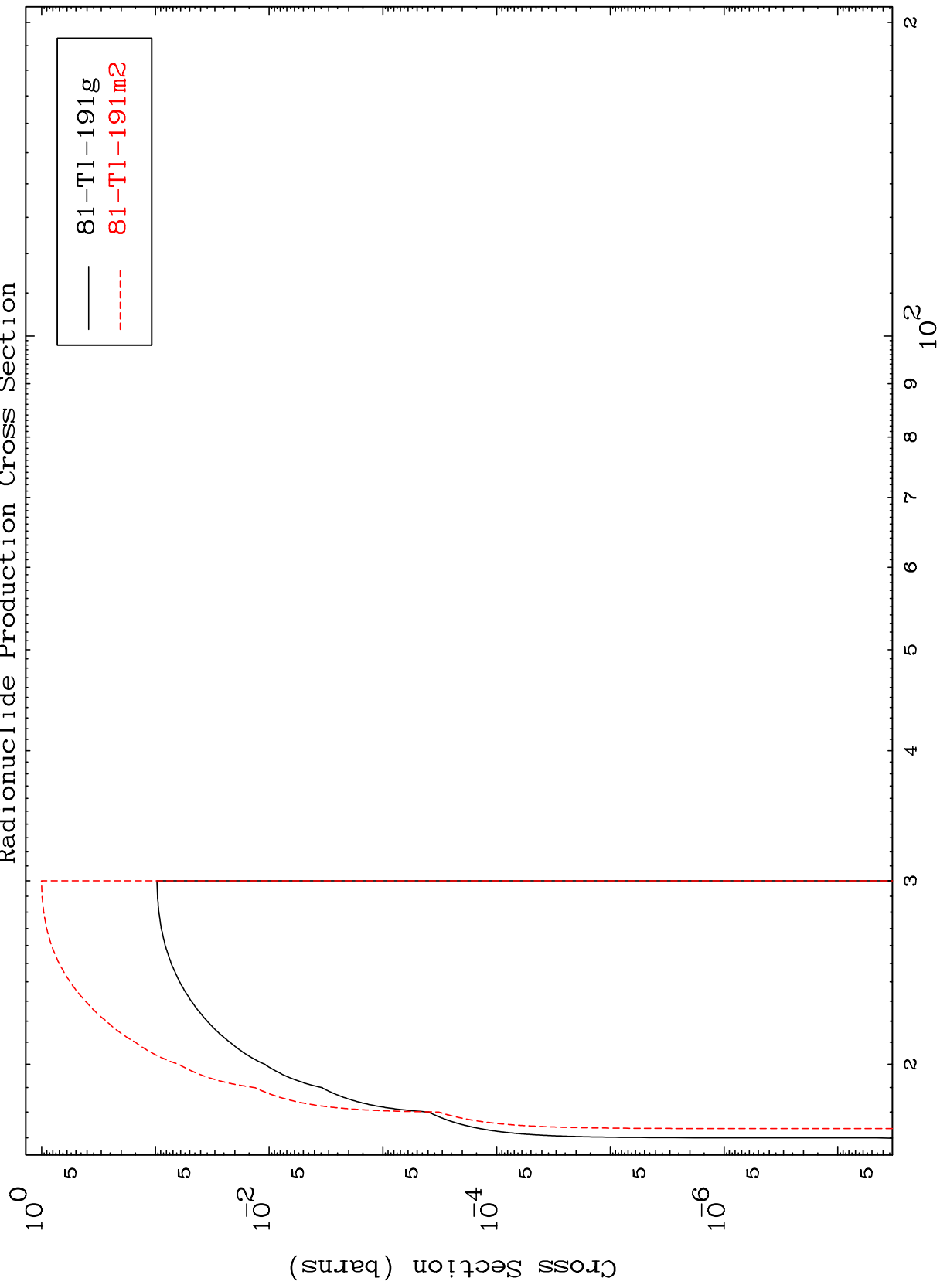
81-Tl-193m



MAT 8096

81-Tl-193m

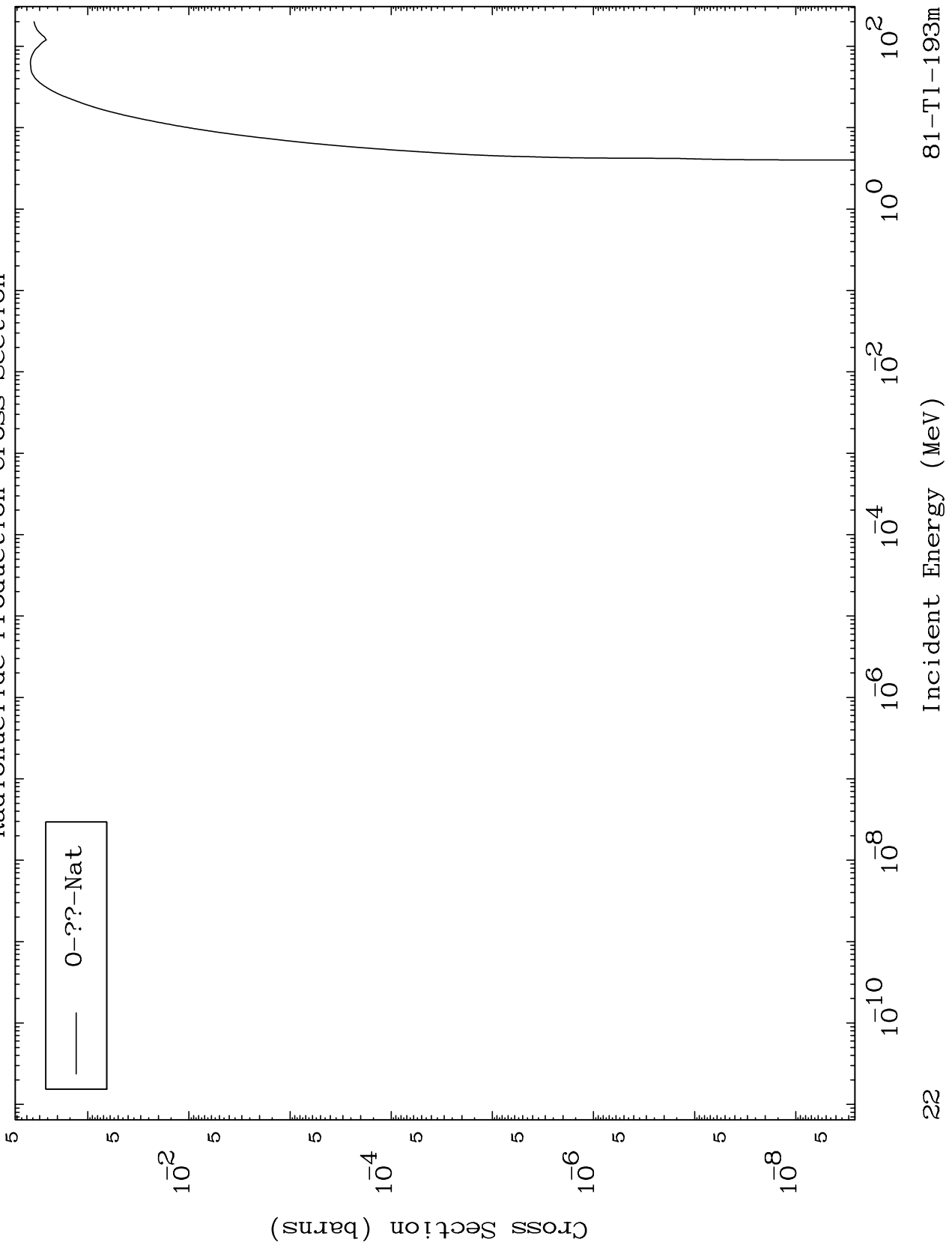
(n,3n)  
Radionuclide Production Cross Section



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Fission  
Radionuclide Production Cross Section

81-Tl-193m

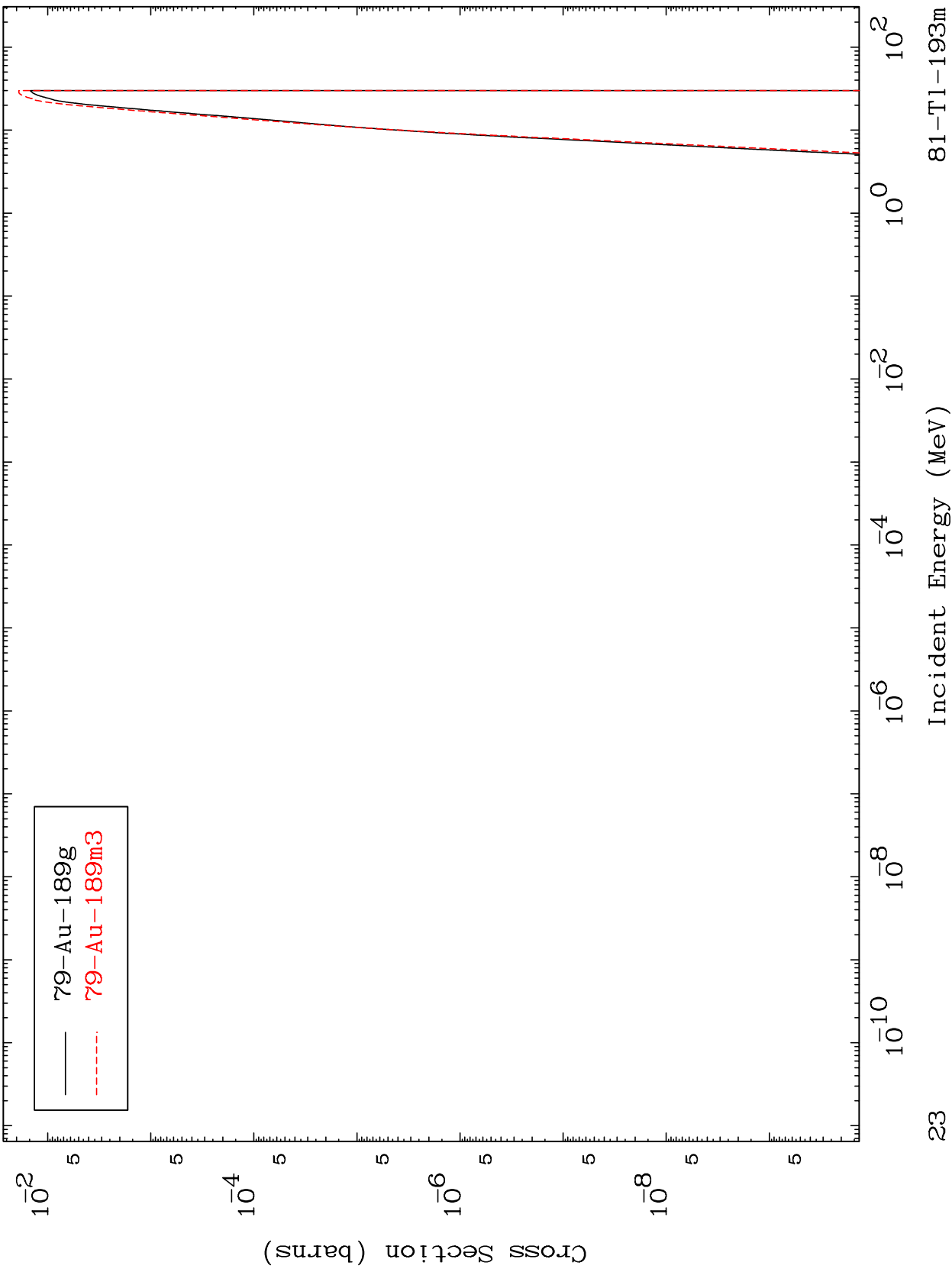


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$(n, n') \alpha$

81-Tl-193m

Radionuclide Production Cross Section



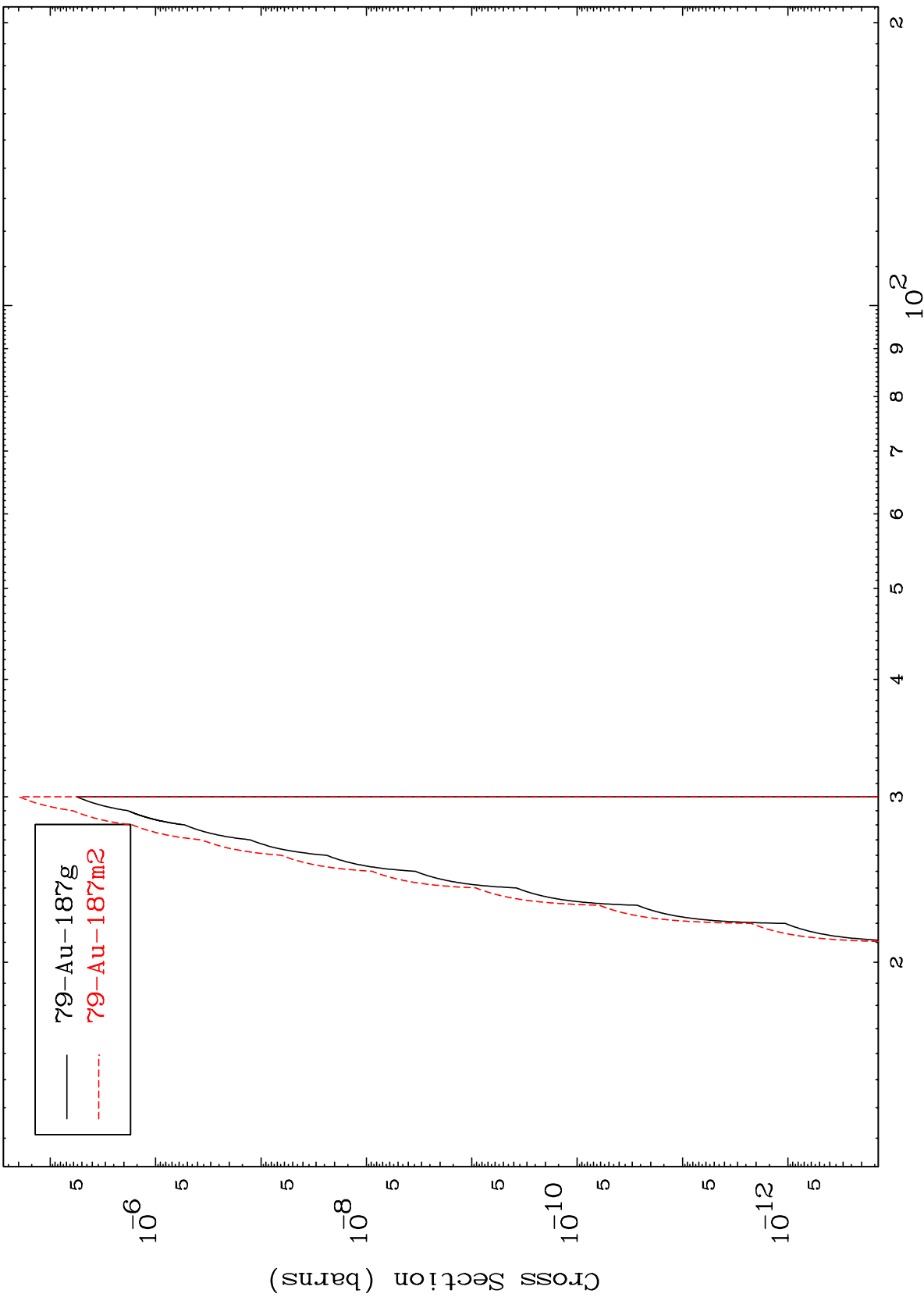


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(n,3n)  $\alpha$

81-Tl-193m

Radionuclide Production Cross Section

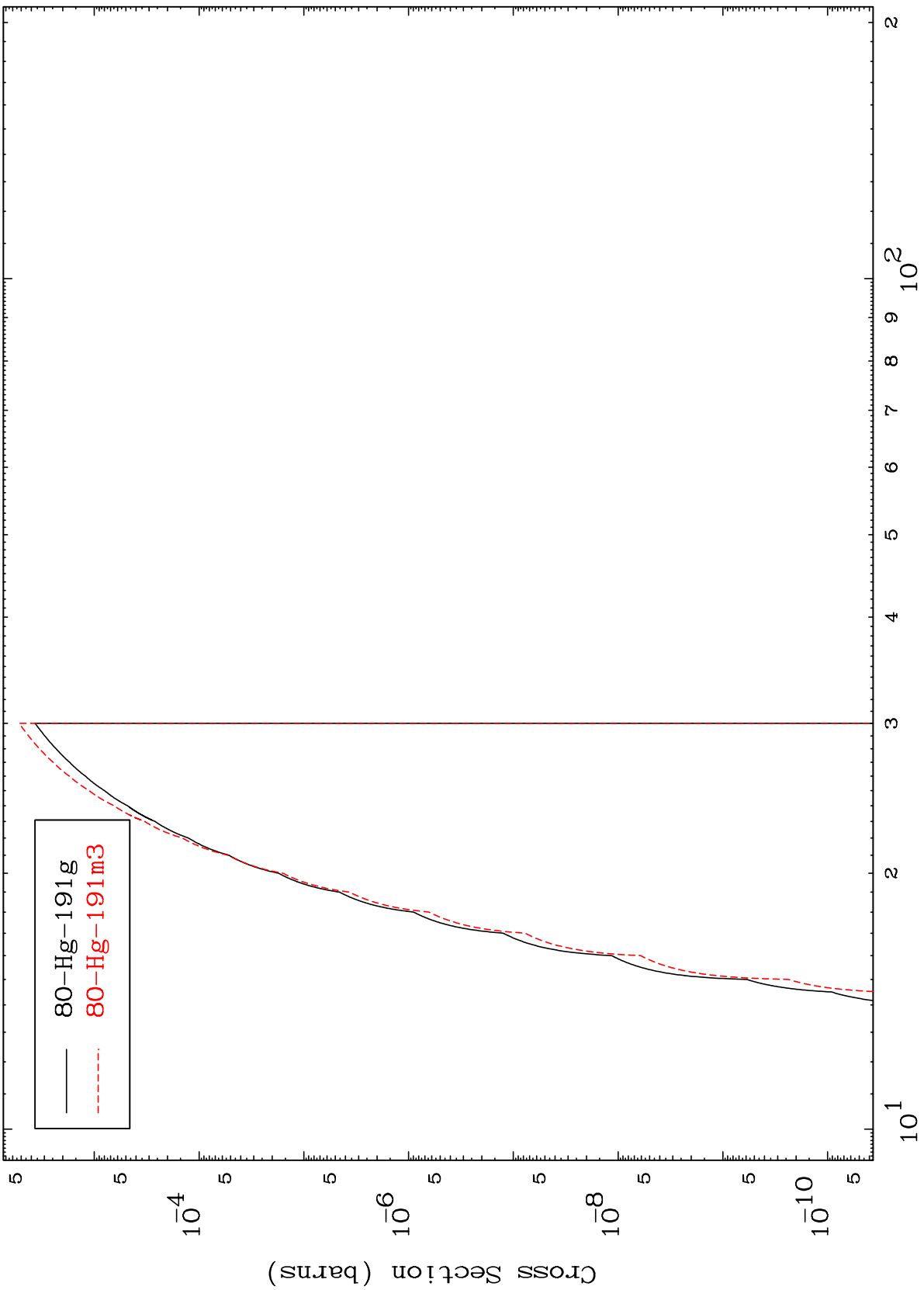


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(n,n') d

81-TI-193m

Radionuclide Production Cross Section



25

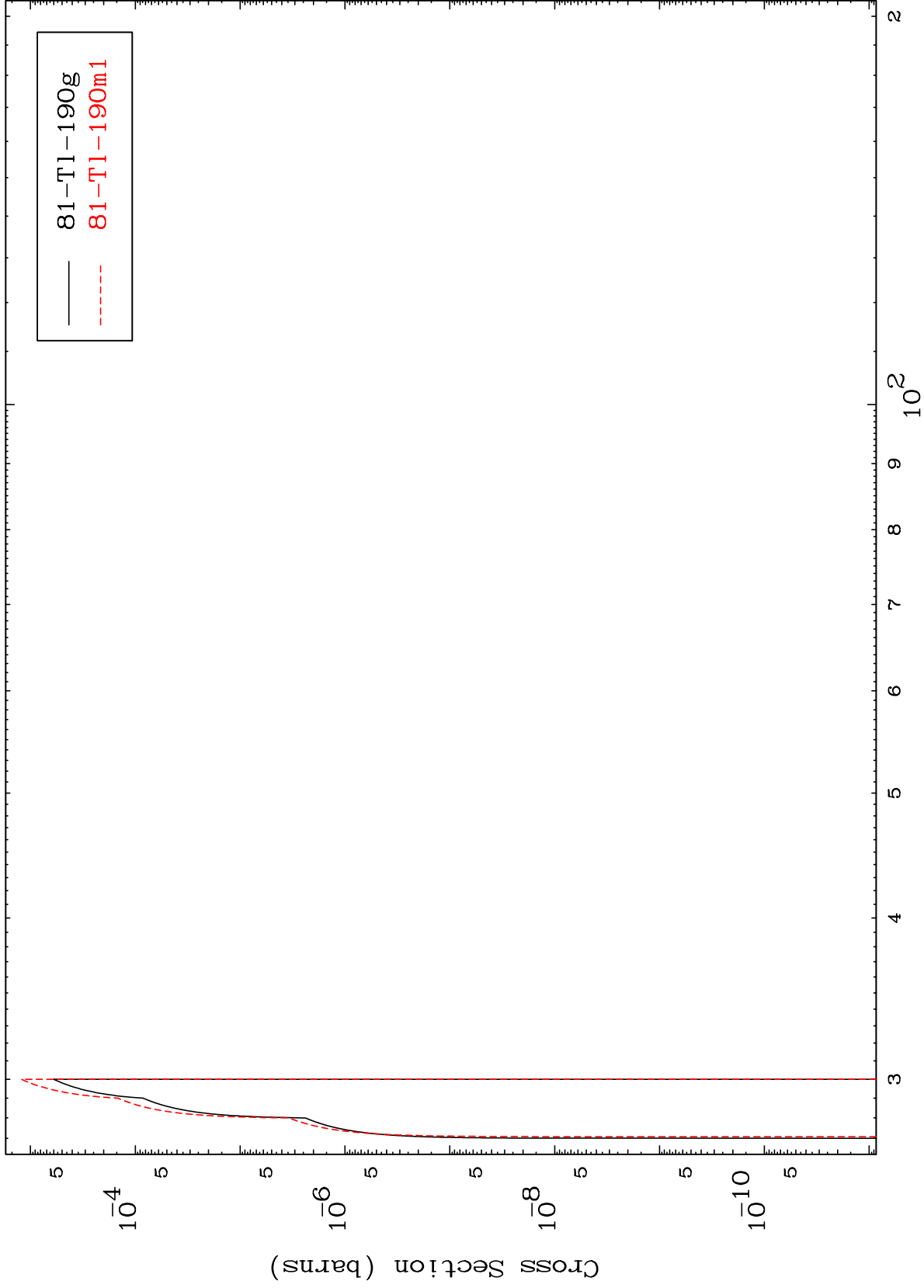
Incident Energy (MeV)

81-TI-193m

MAT 8096

81-Tl-193m

(n,4n)  
Radionuclide Production Cross Section

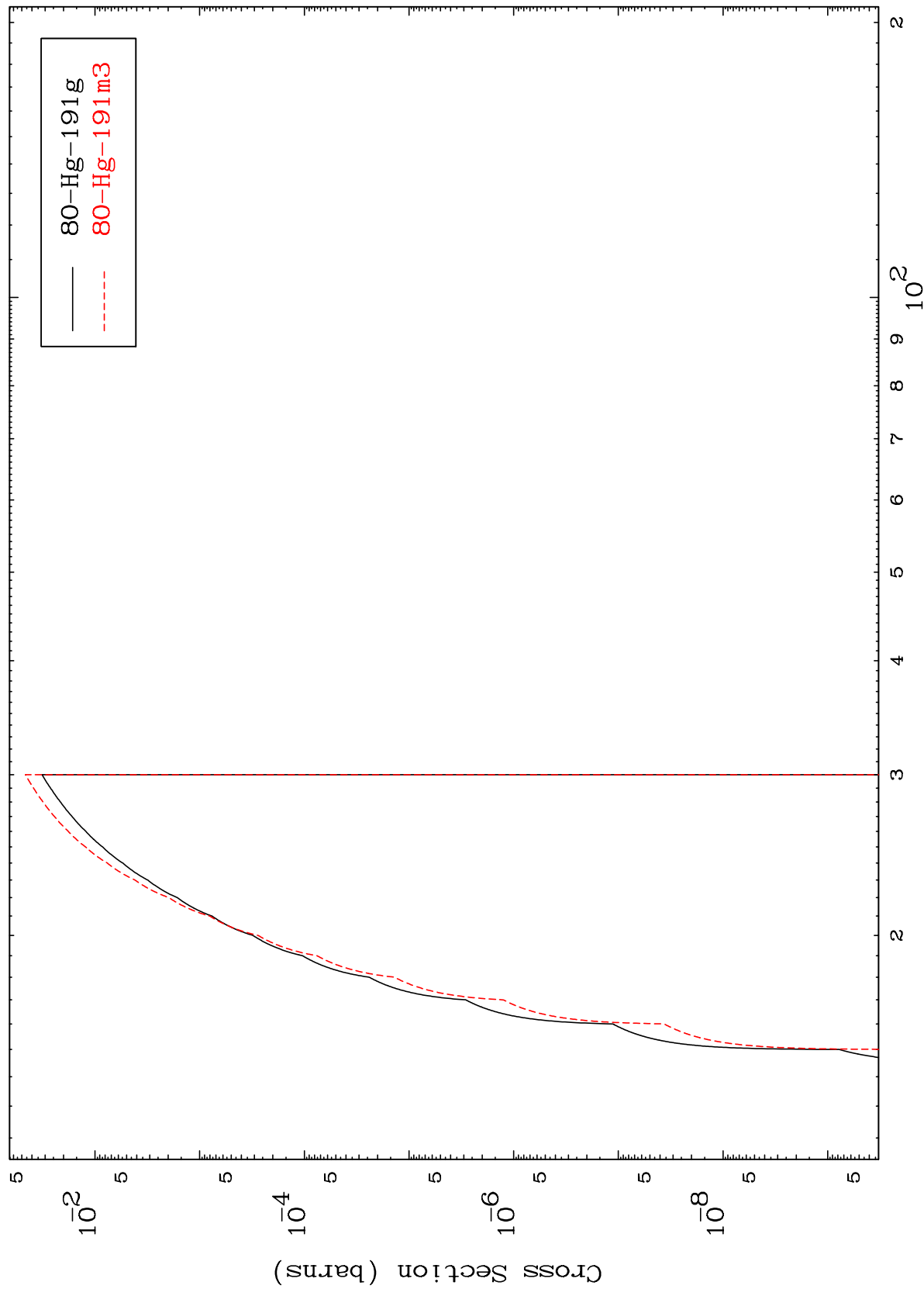


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81-Tl-193m

Incident Energy (MeV)

Radionuclide Production Cross Section

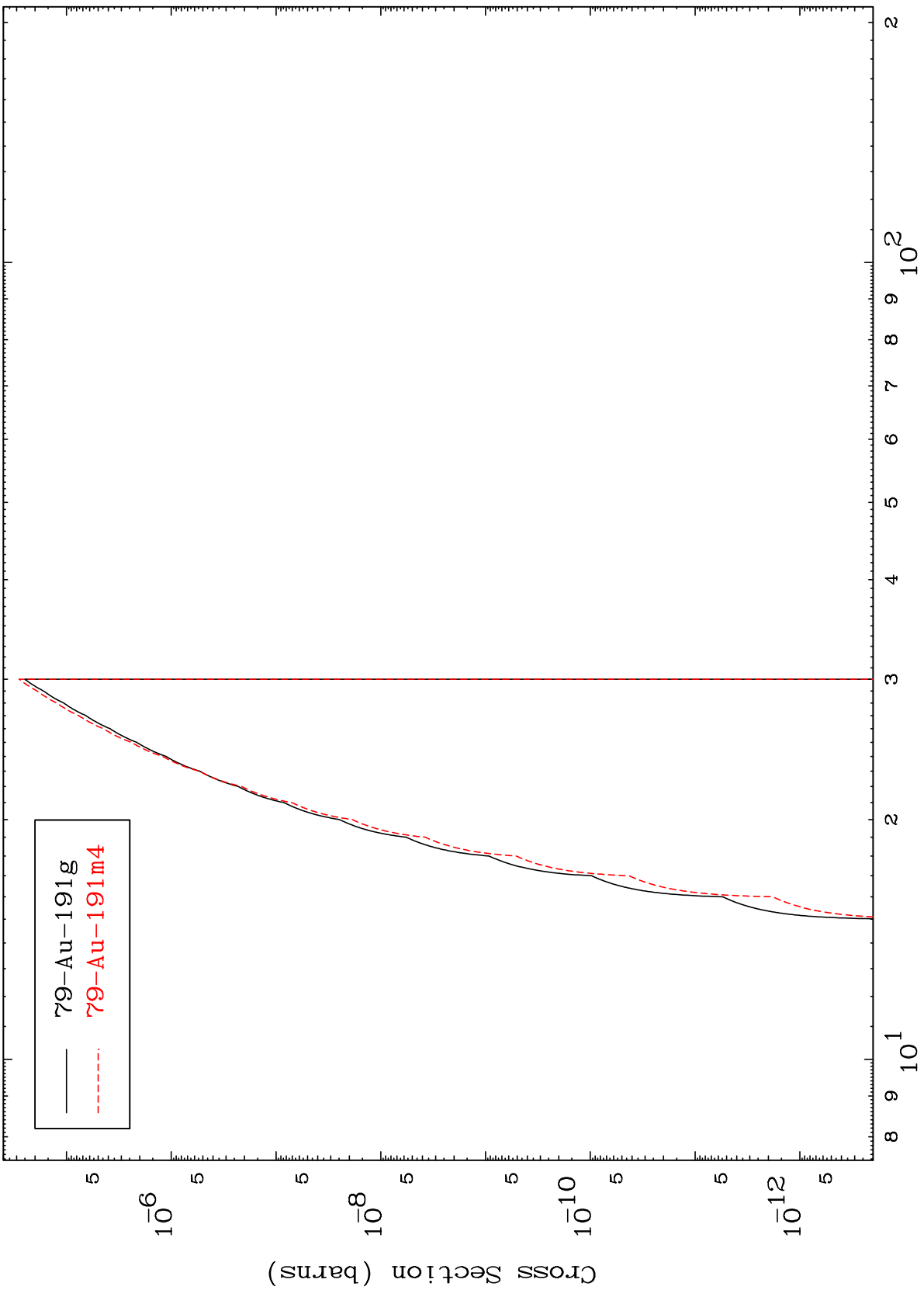


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(n,2n) p

81-Tl-193m

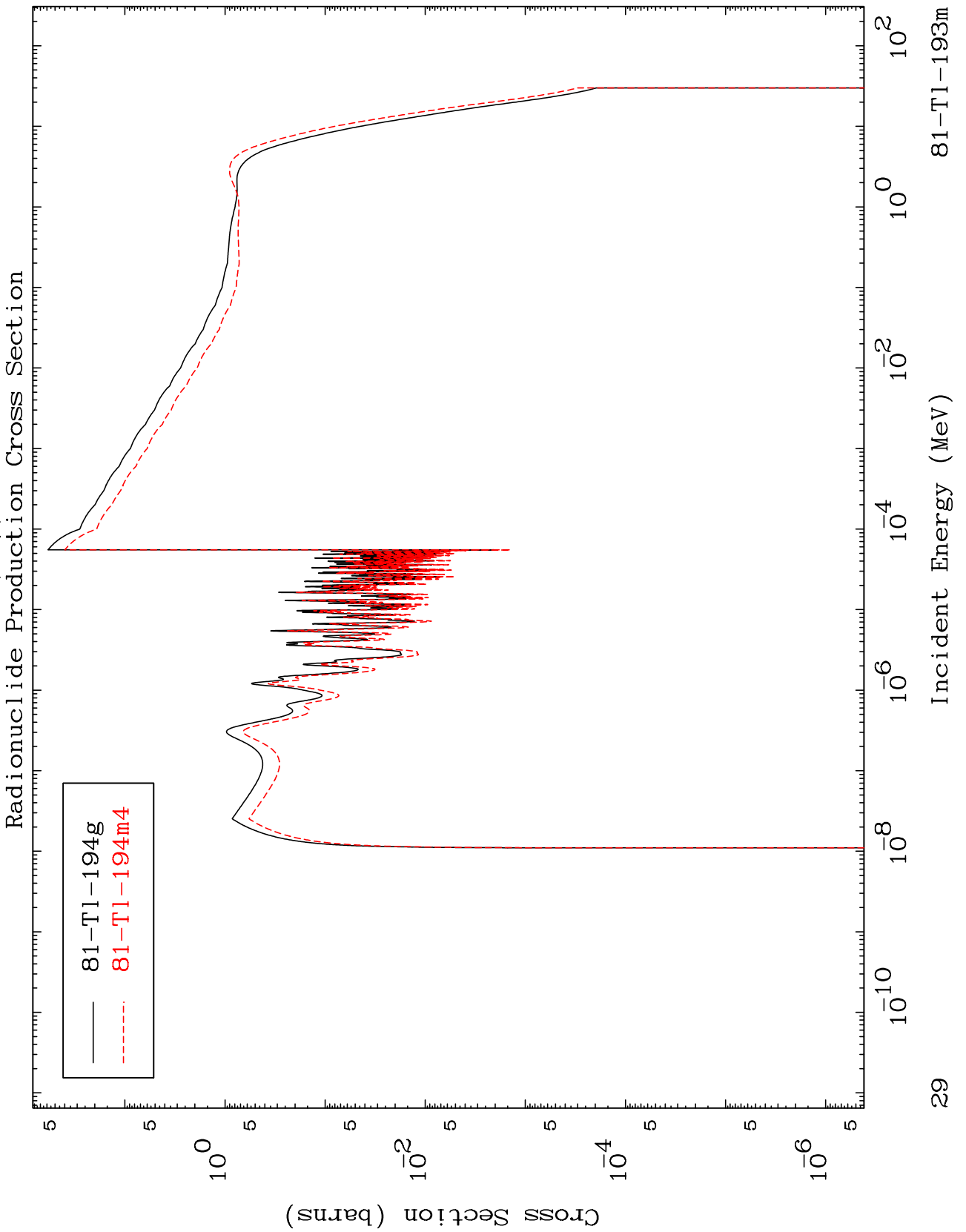
Radionuclide Production Cross Section



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Incident Energy (MeV)

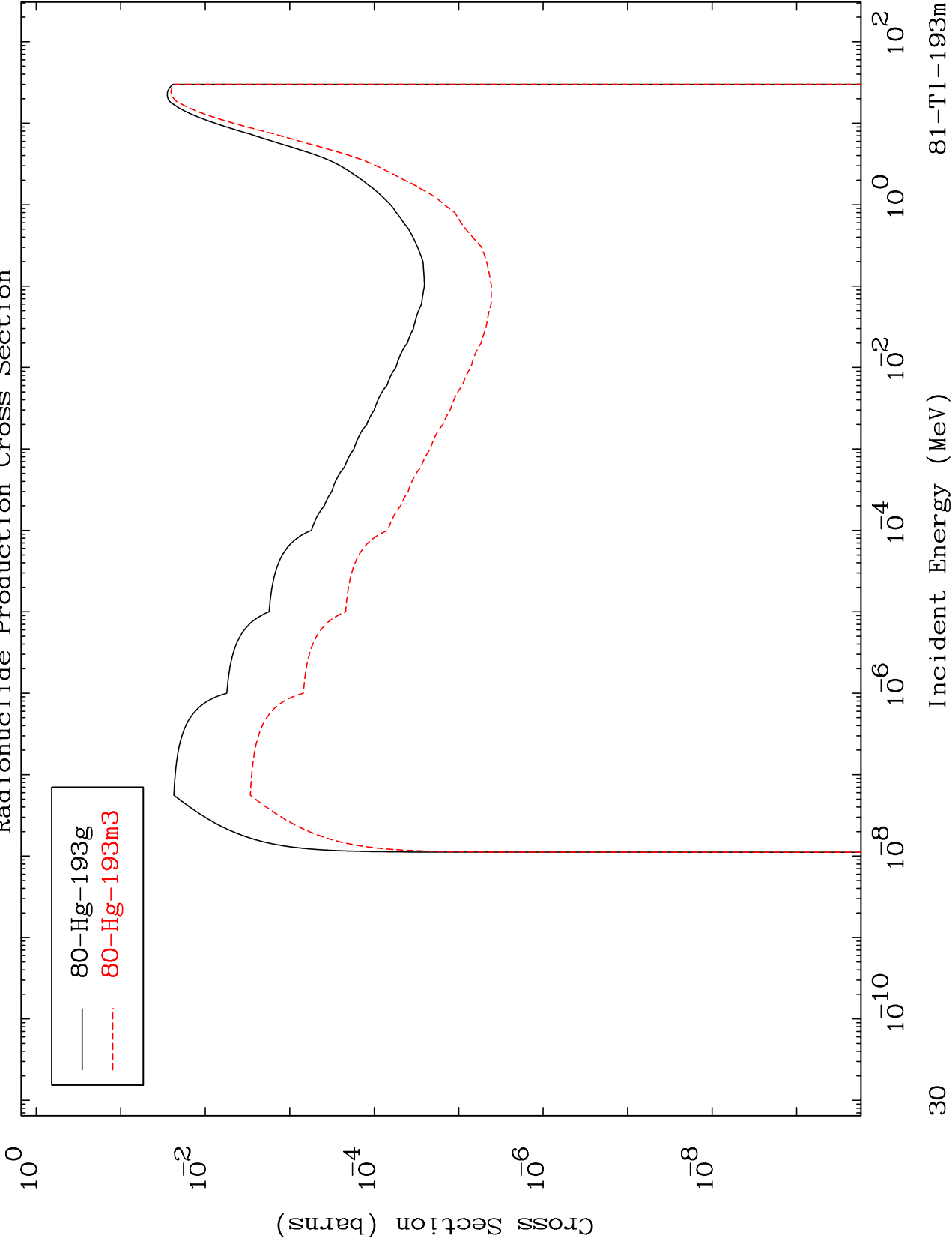
81-Tl-193m

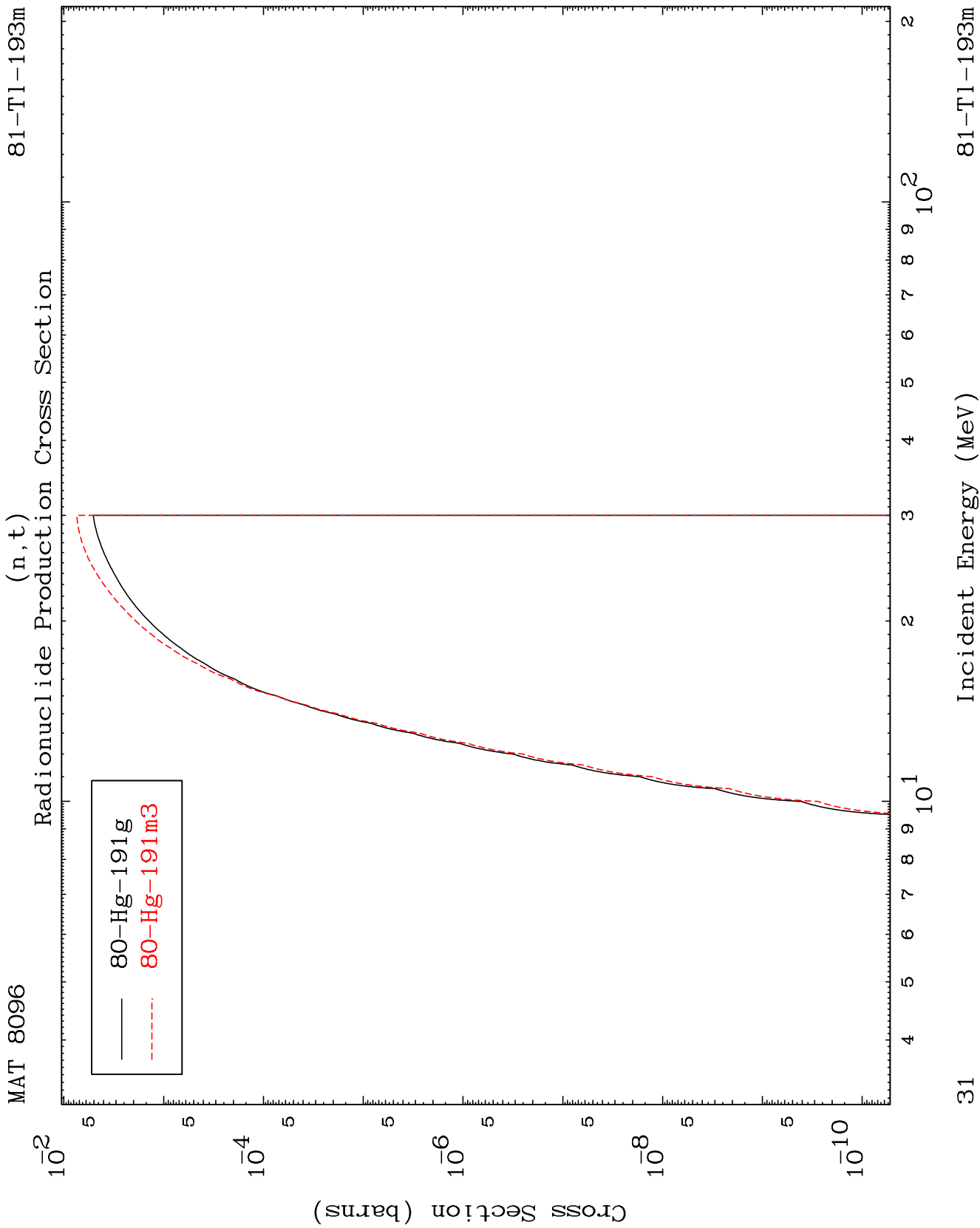


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81-Tl-193m

Radionuclide Production Cross Section





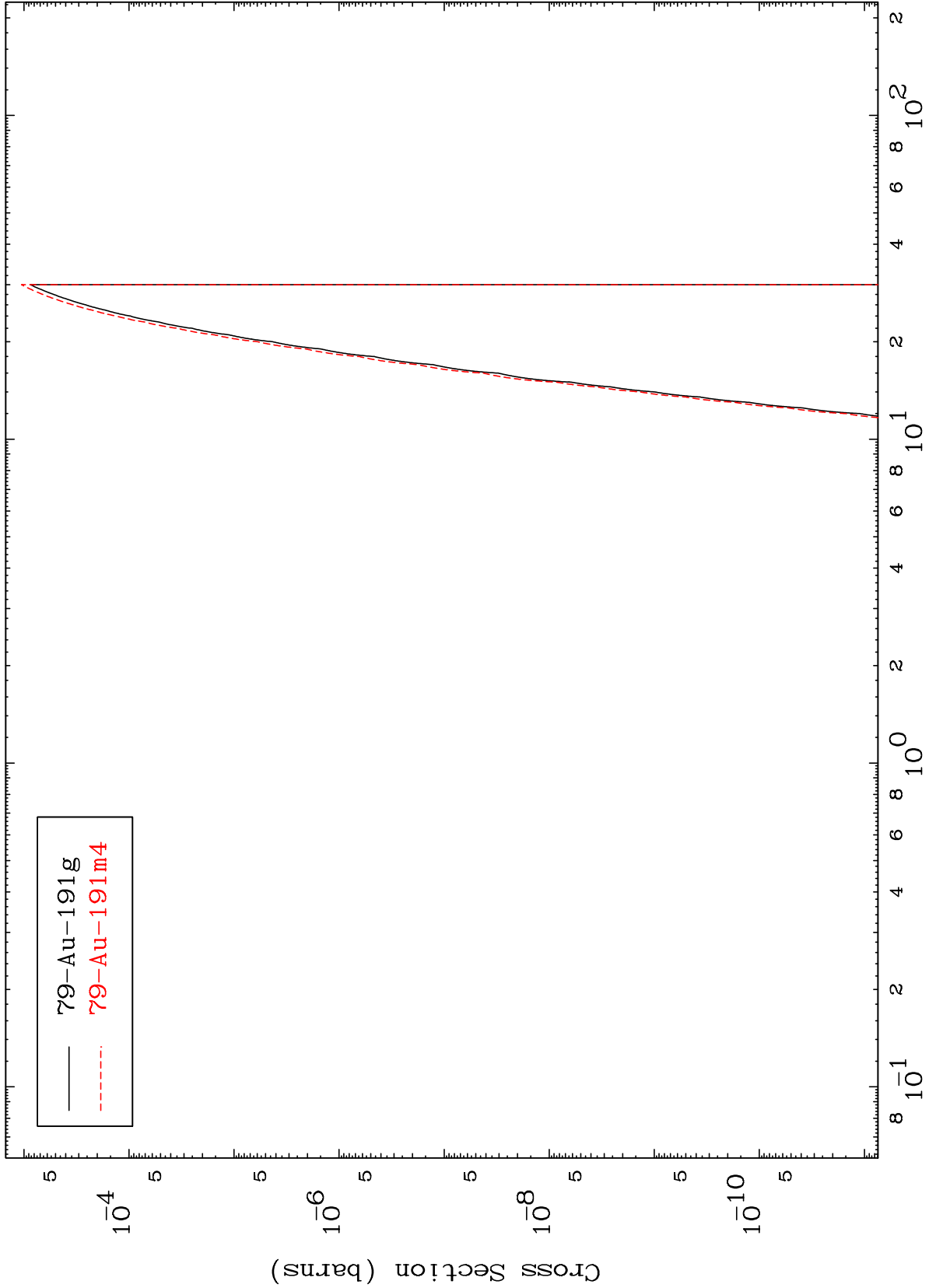


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(n,He-3)

81-Tl-193m

Radionuclide Production Cross Section

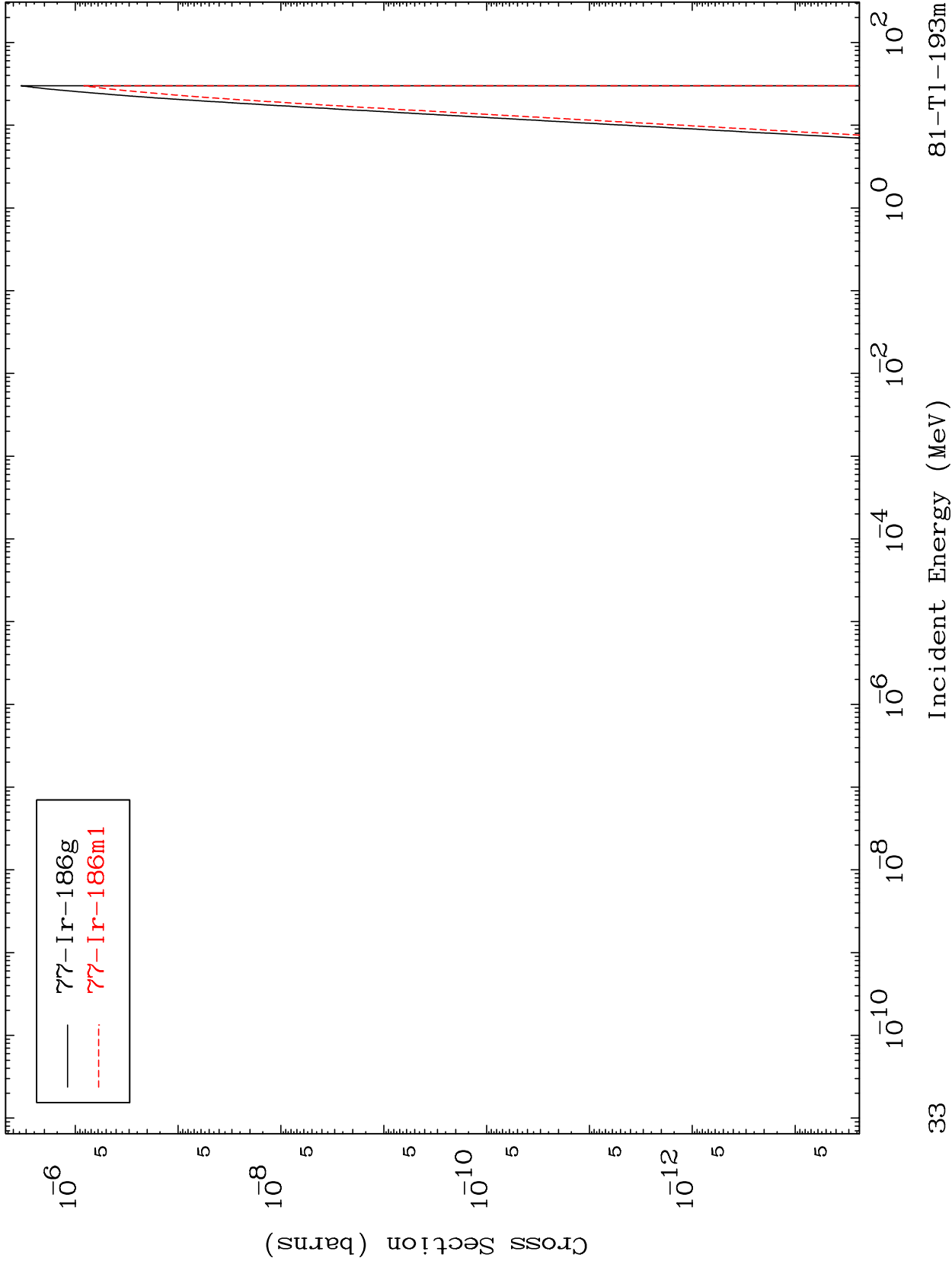


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(n,2α)

81-Tl-193m

Radionuclide Production Cross Section

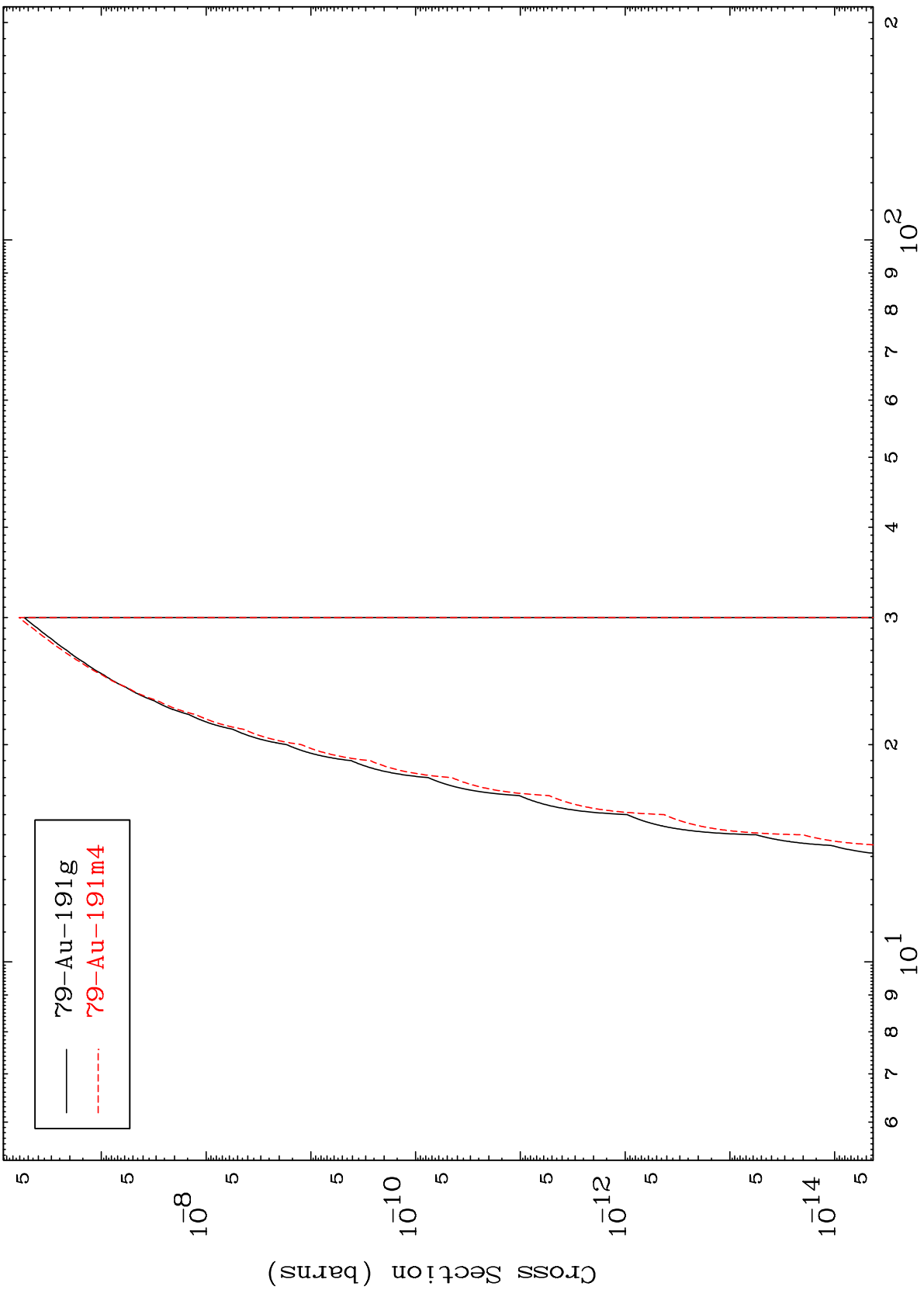


MAT 8096

(n,p) d

81-Tl-193m

Radionuclide Production Cross Section



34

Incident Energy (MeV)

81-Tl-193m