

Program EVALPLOT  
(Version 2021-1)

by

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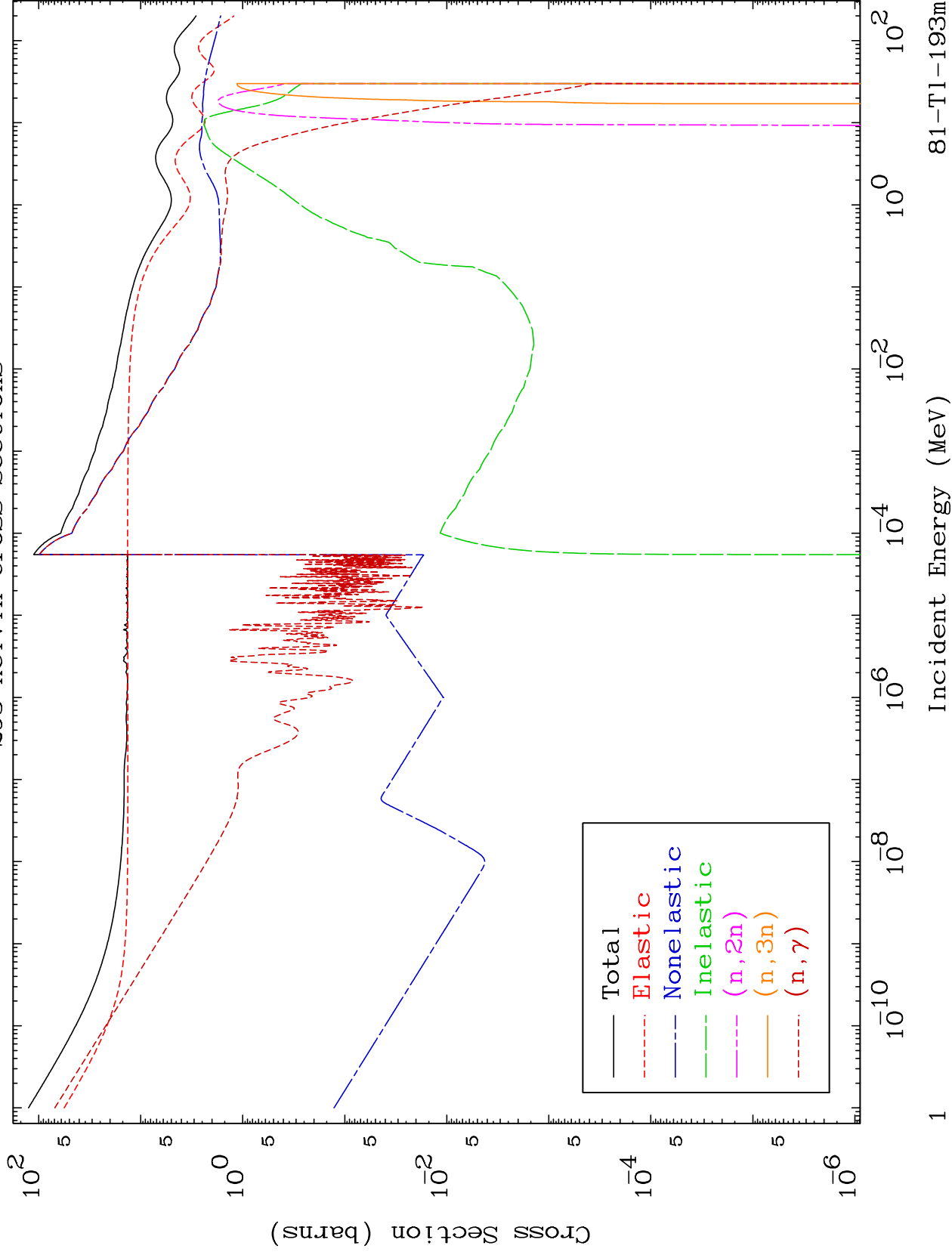
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8096

Neutron Major  
293 Kelvin Cross Sections

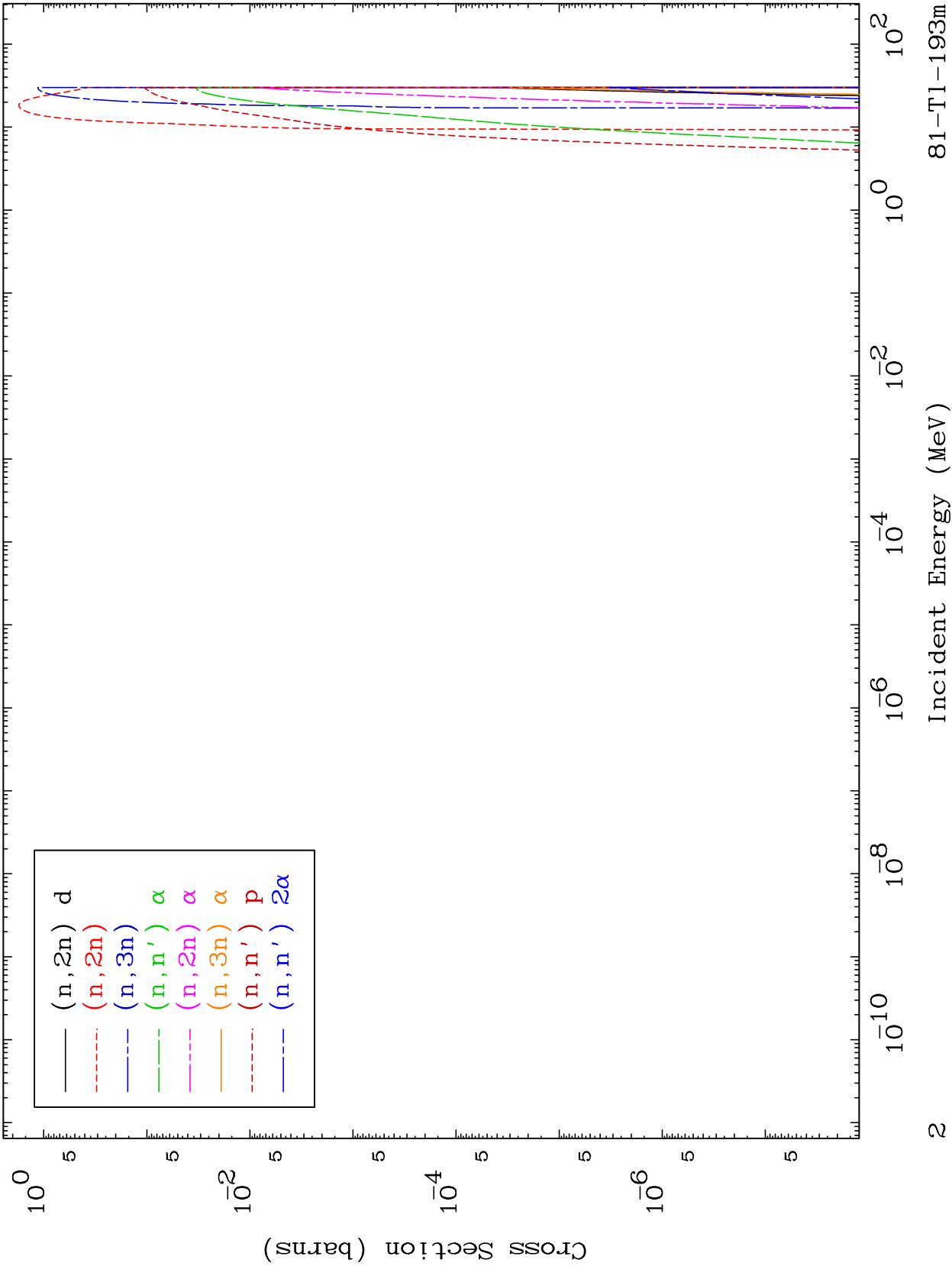
81-TI-193m



MAT 8096

Neutron Absorption  
293 Kelvin Cross Sections

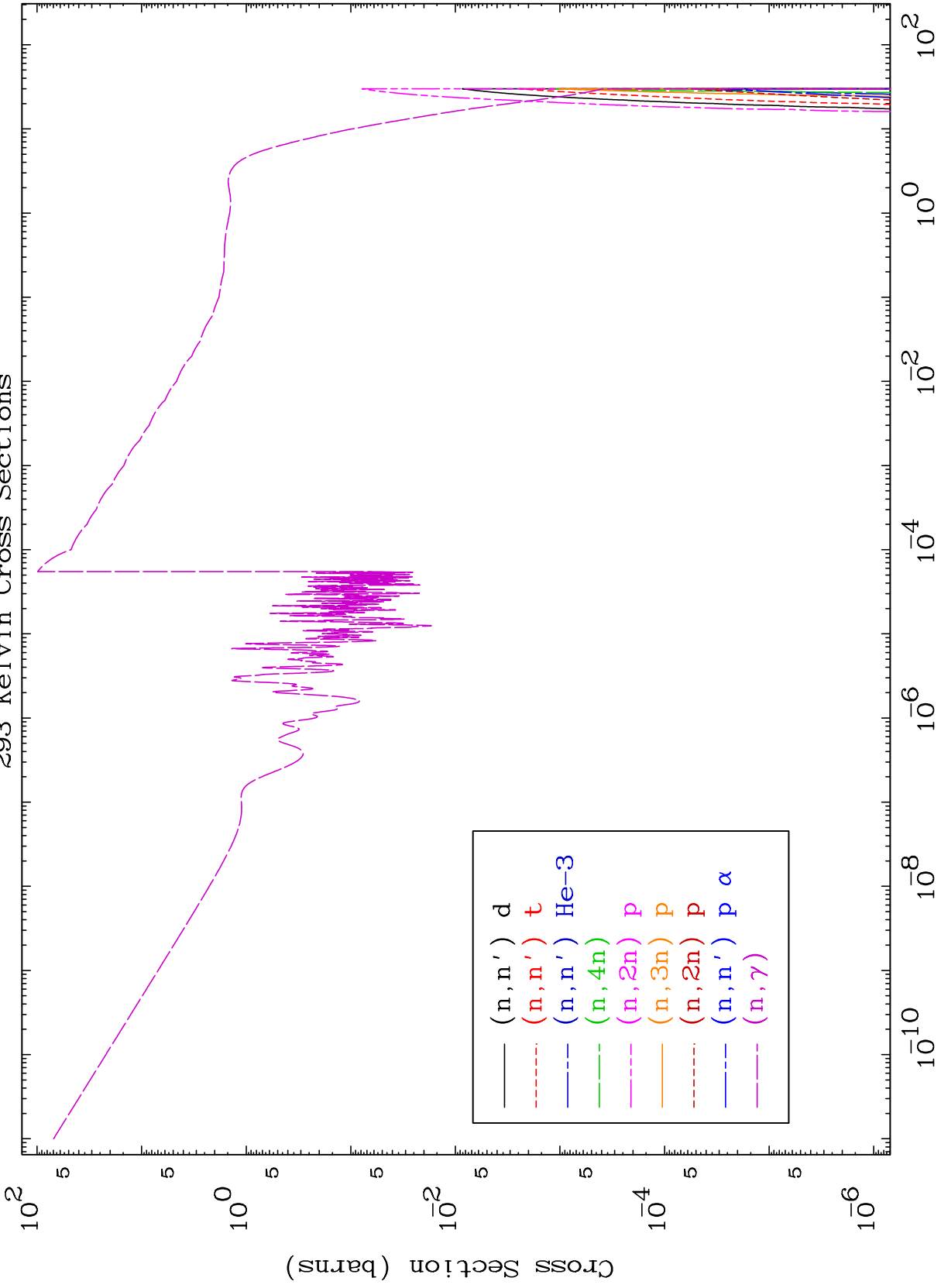
81-Tl-193m



MAT 8096

Neutron Absorption  
293 Kelvin Cross Sections

81-Tl-193m



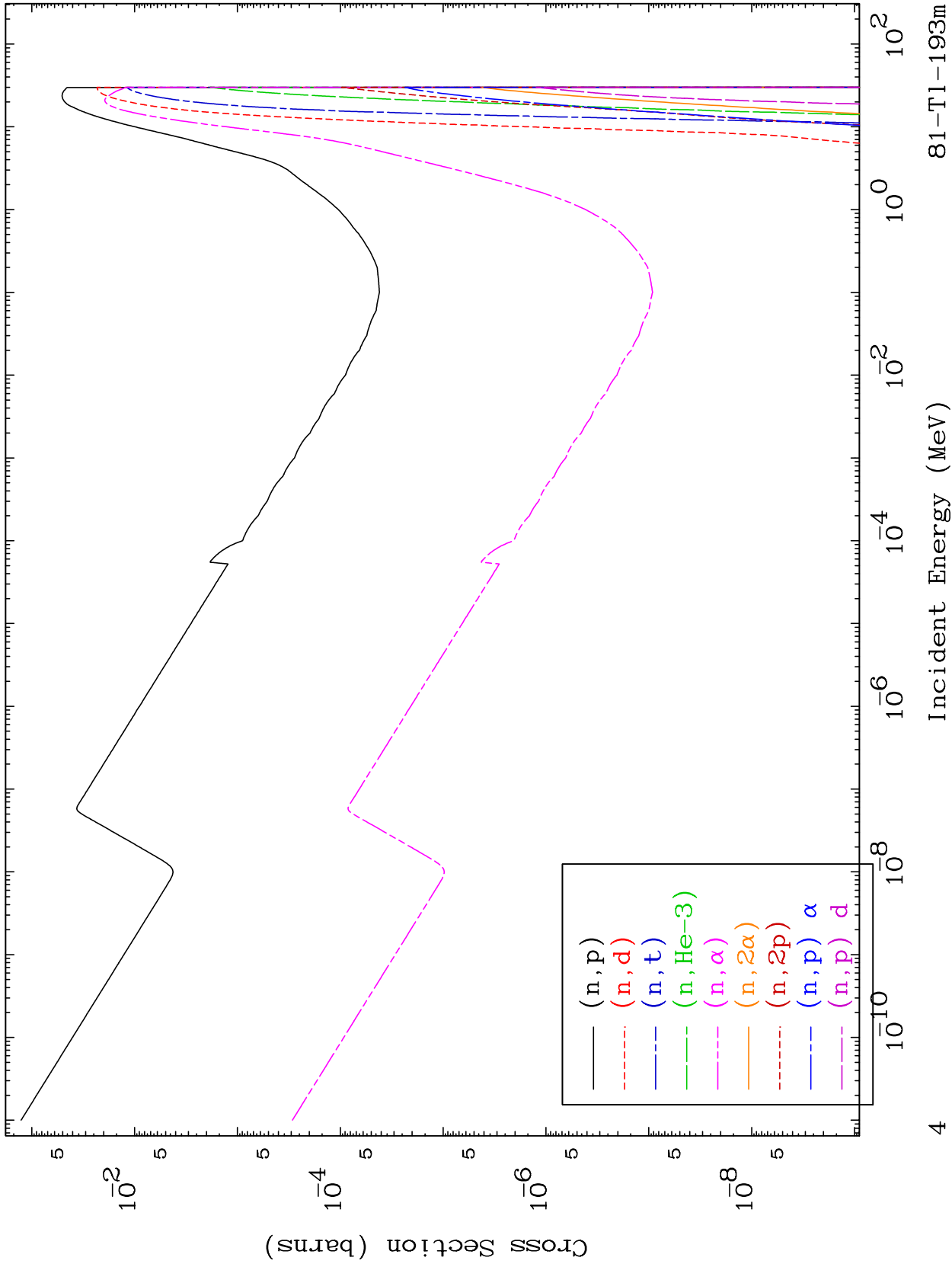
Incident Energy (MeV)

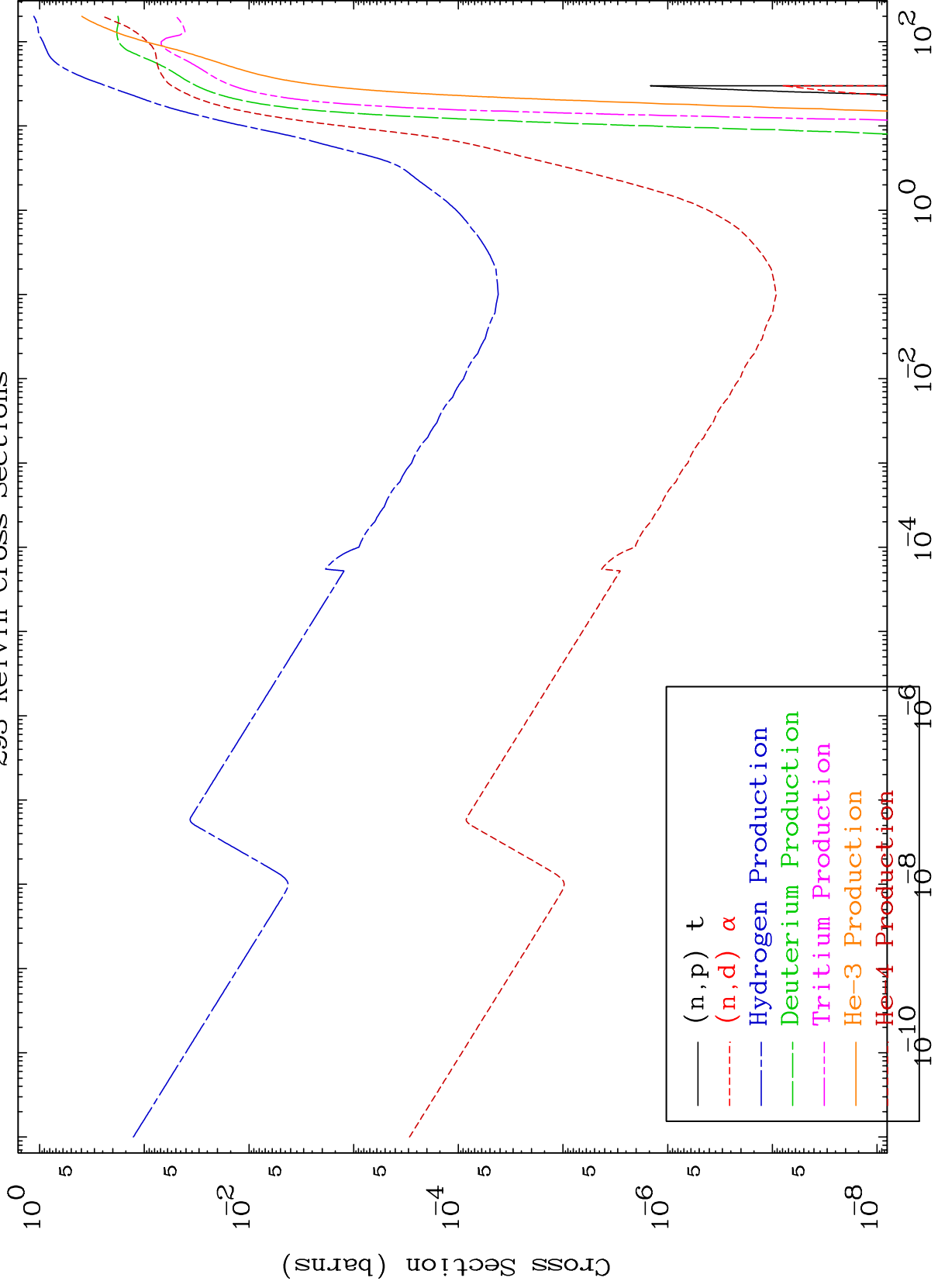
81-Tl-193m

MAT 8096

Neutron Absorption  
293 Kelvin Cross Sections

81-TI-193m

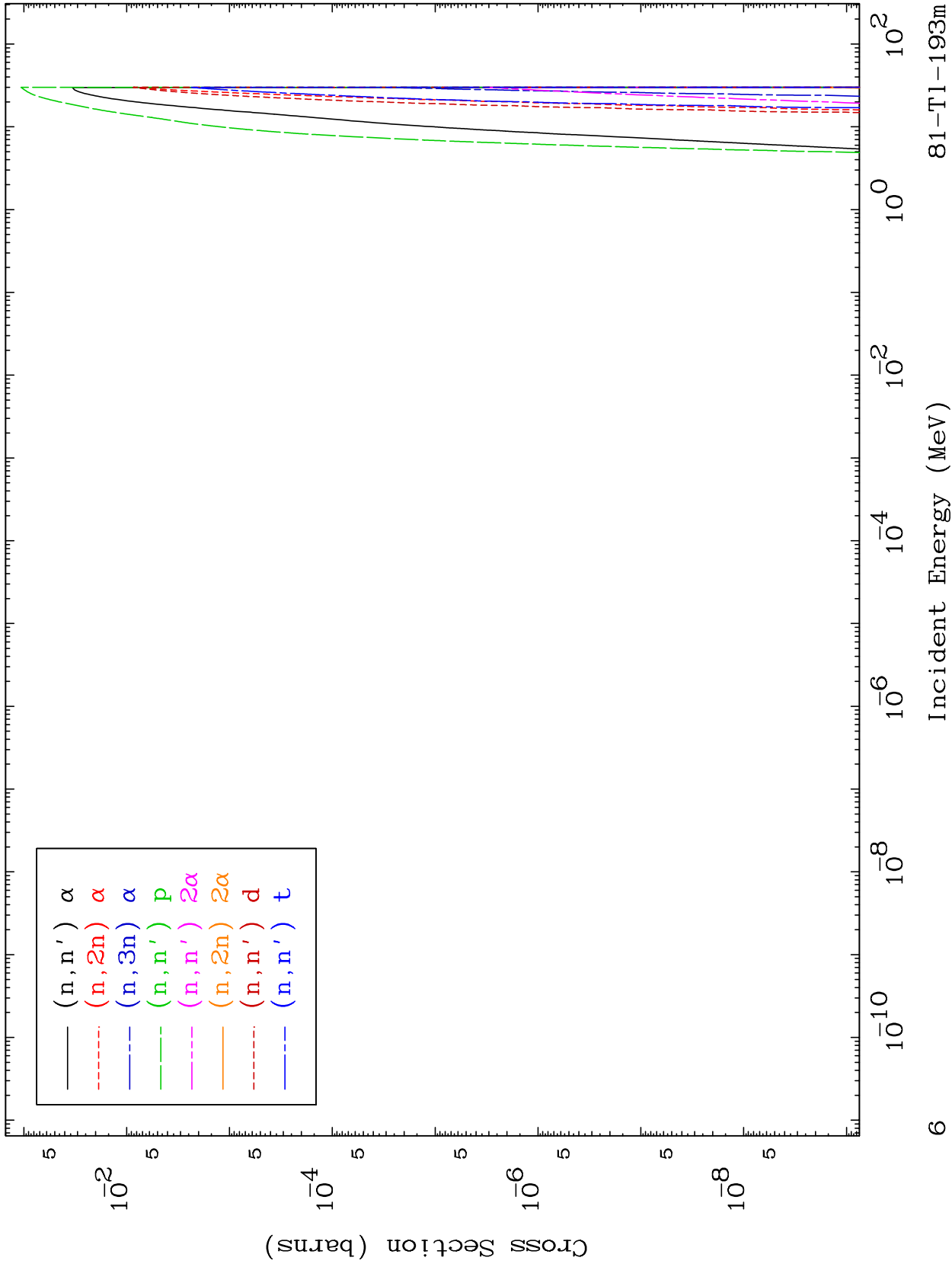




MAT 8096

Charged Particle  
293 Kelvin Cross Sections

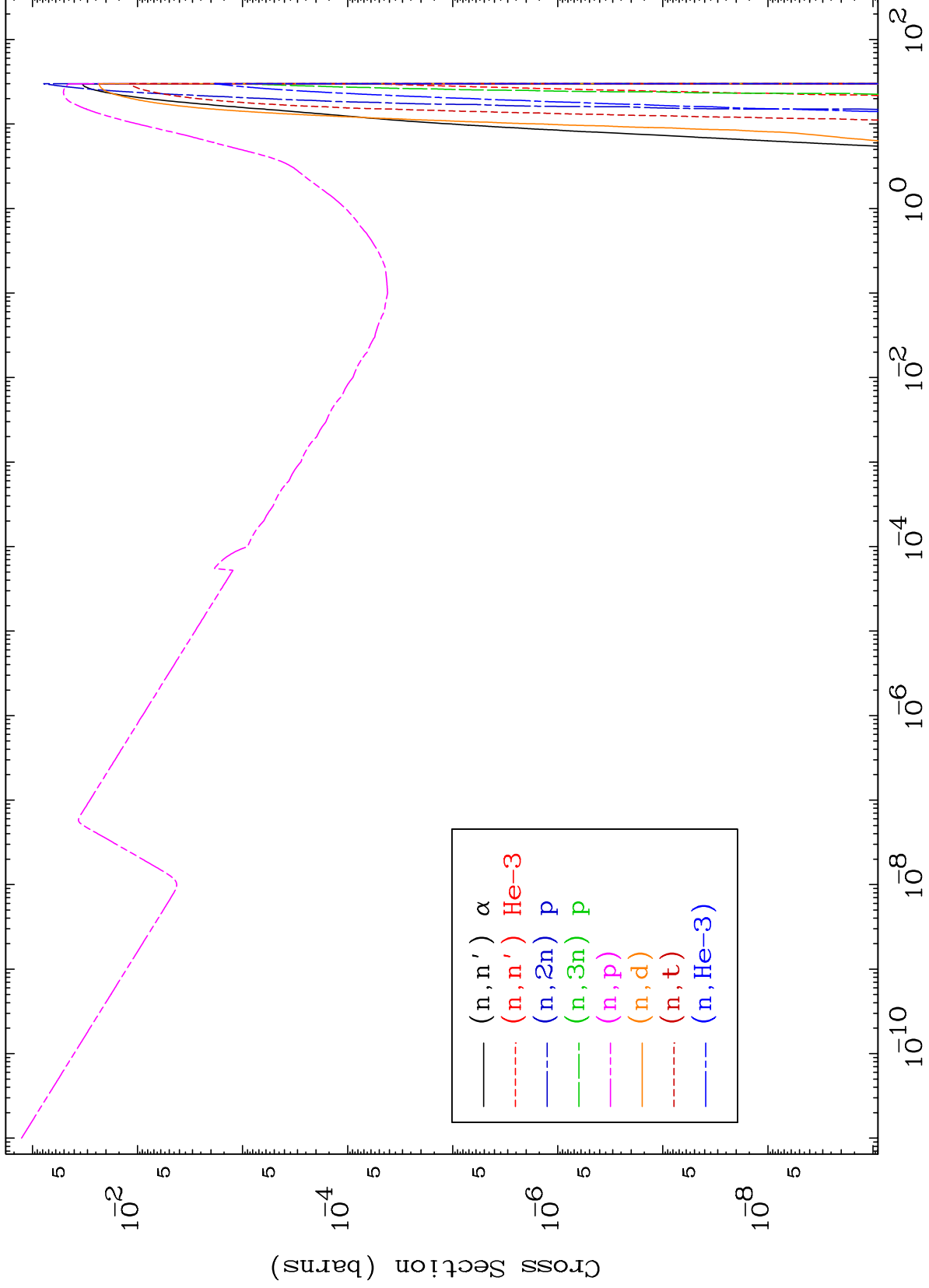
81-Tl-193m



MAT 8096

Charged Particle  
293 Kelvin Cross Sections

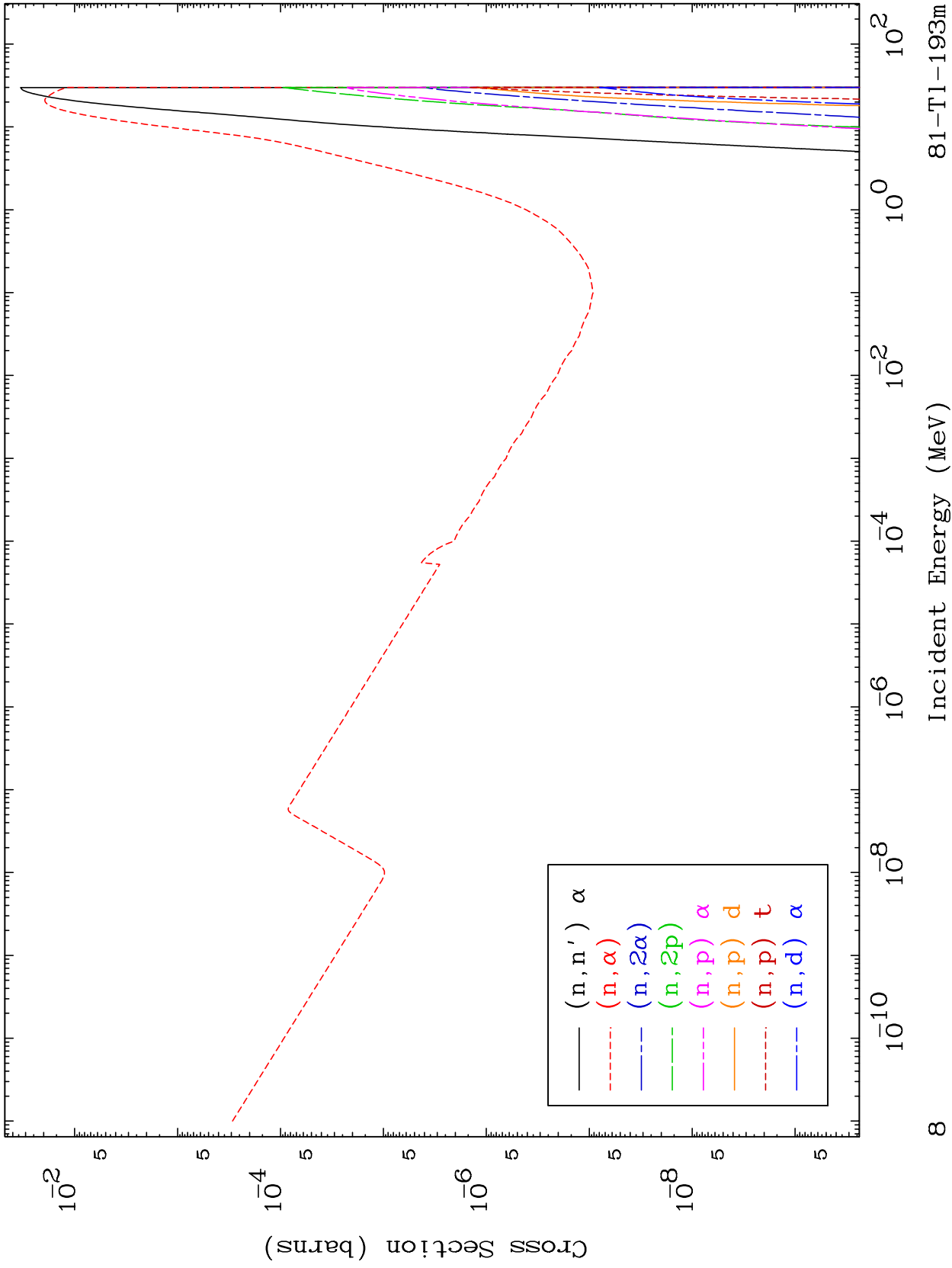
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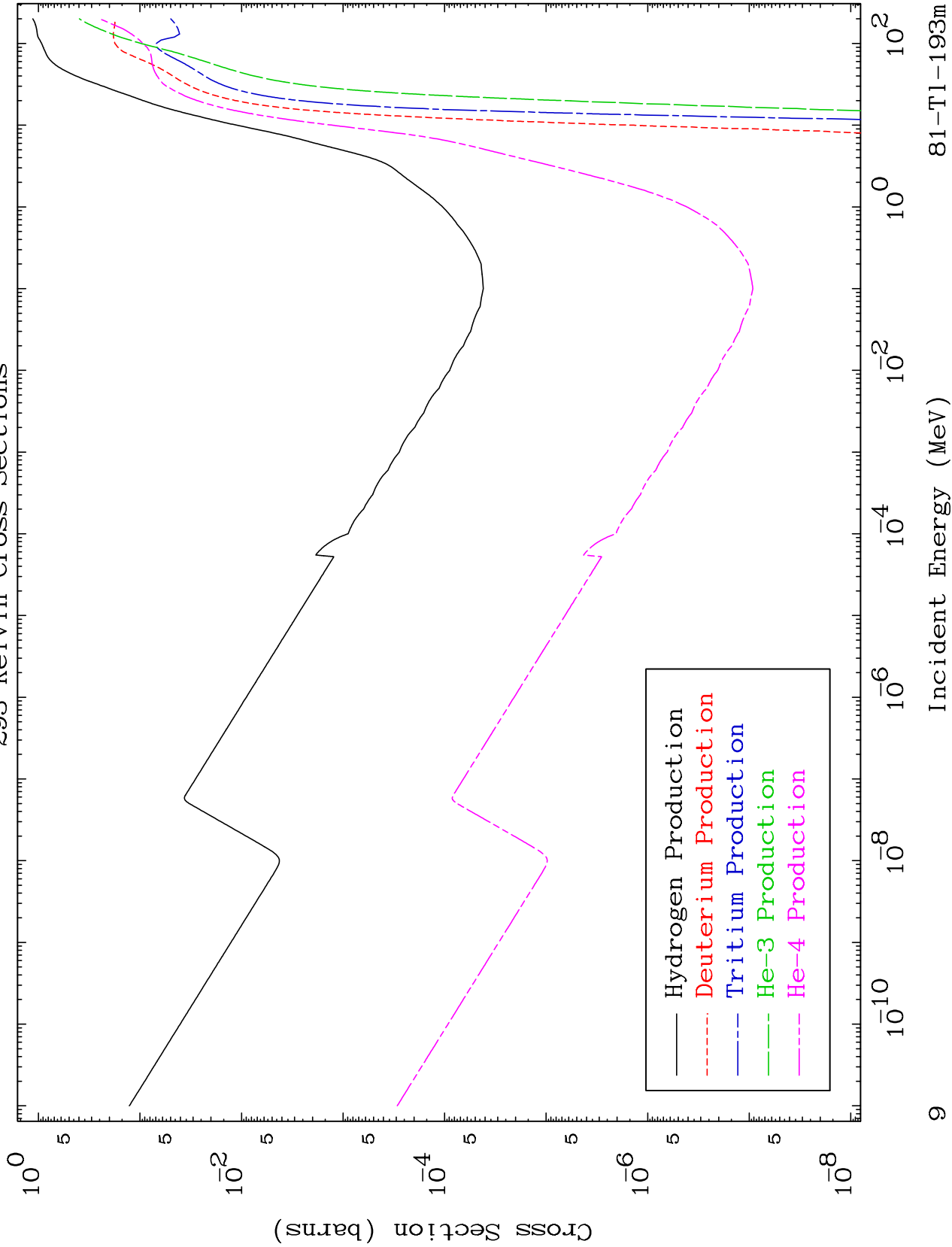


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Charged Particle  
293 Kelvin Cross Sections

81-Tl-193m

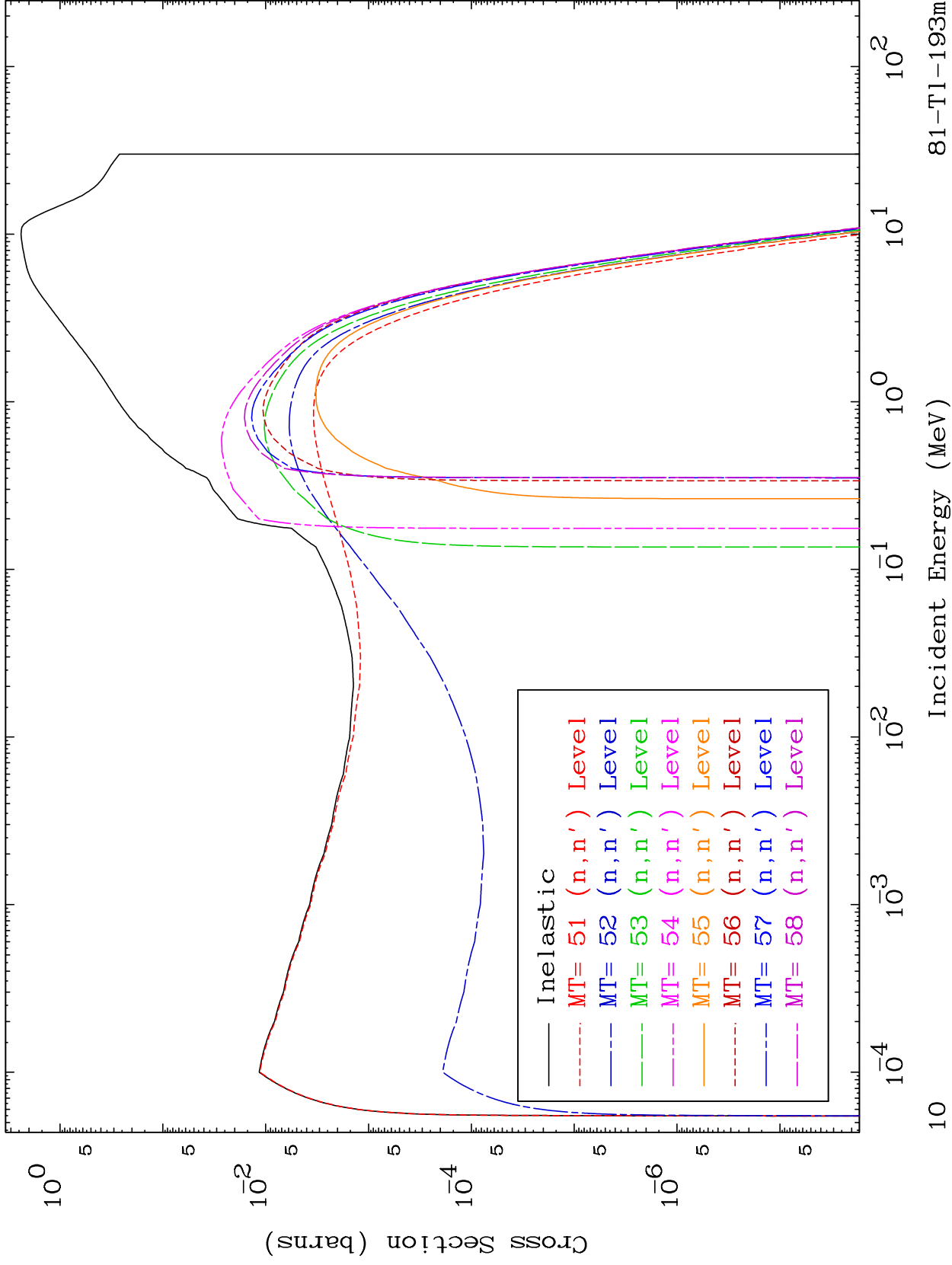




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(n,n') Levels  
293 Kelvin Cross Sections

81-TI-193m



81-TI-193m

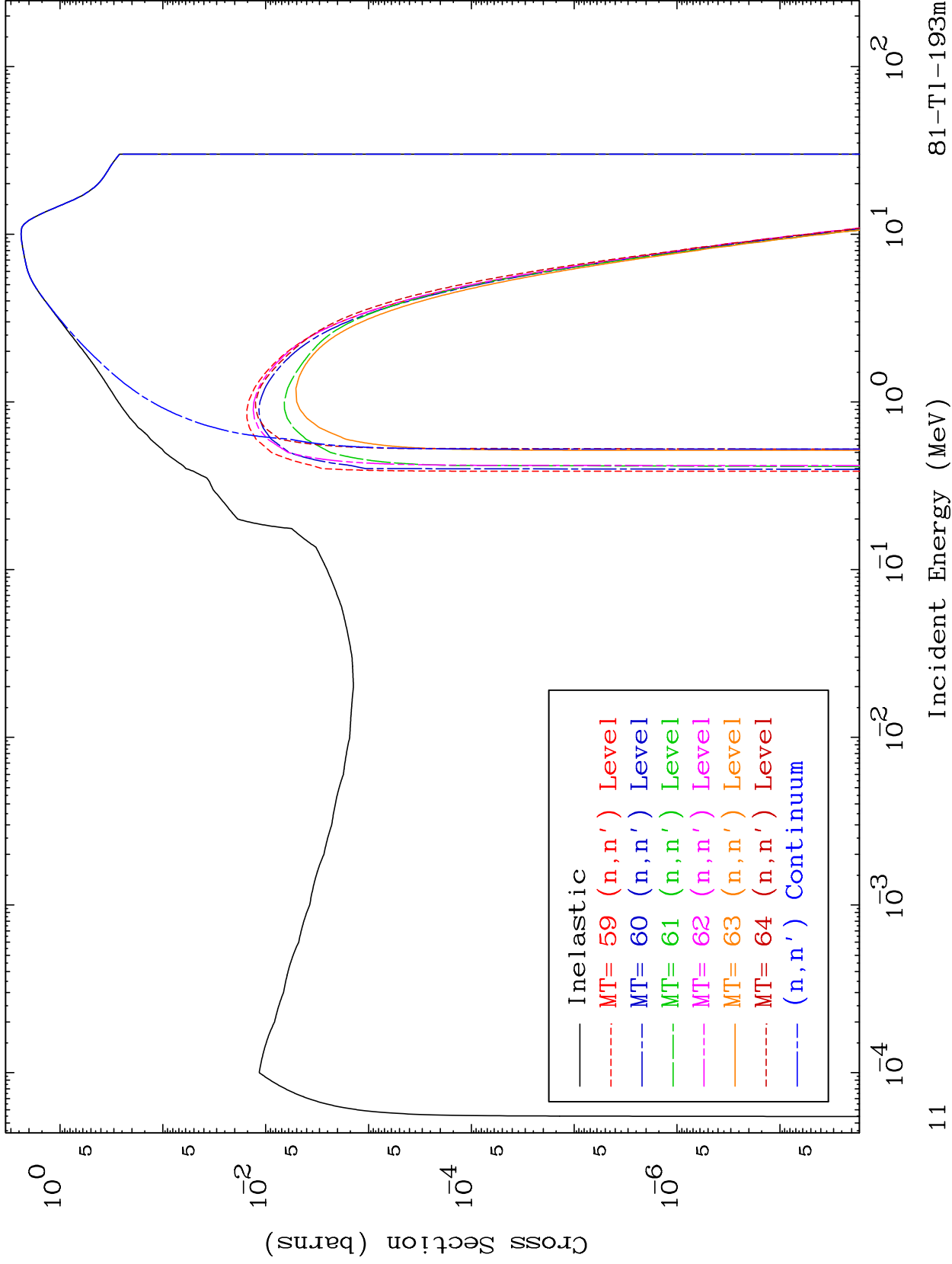
Incident Energy (MeV)

10

MAT 8096

(n,n') Levels  
293 Kelvin Cross Sections

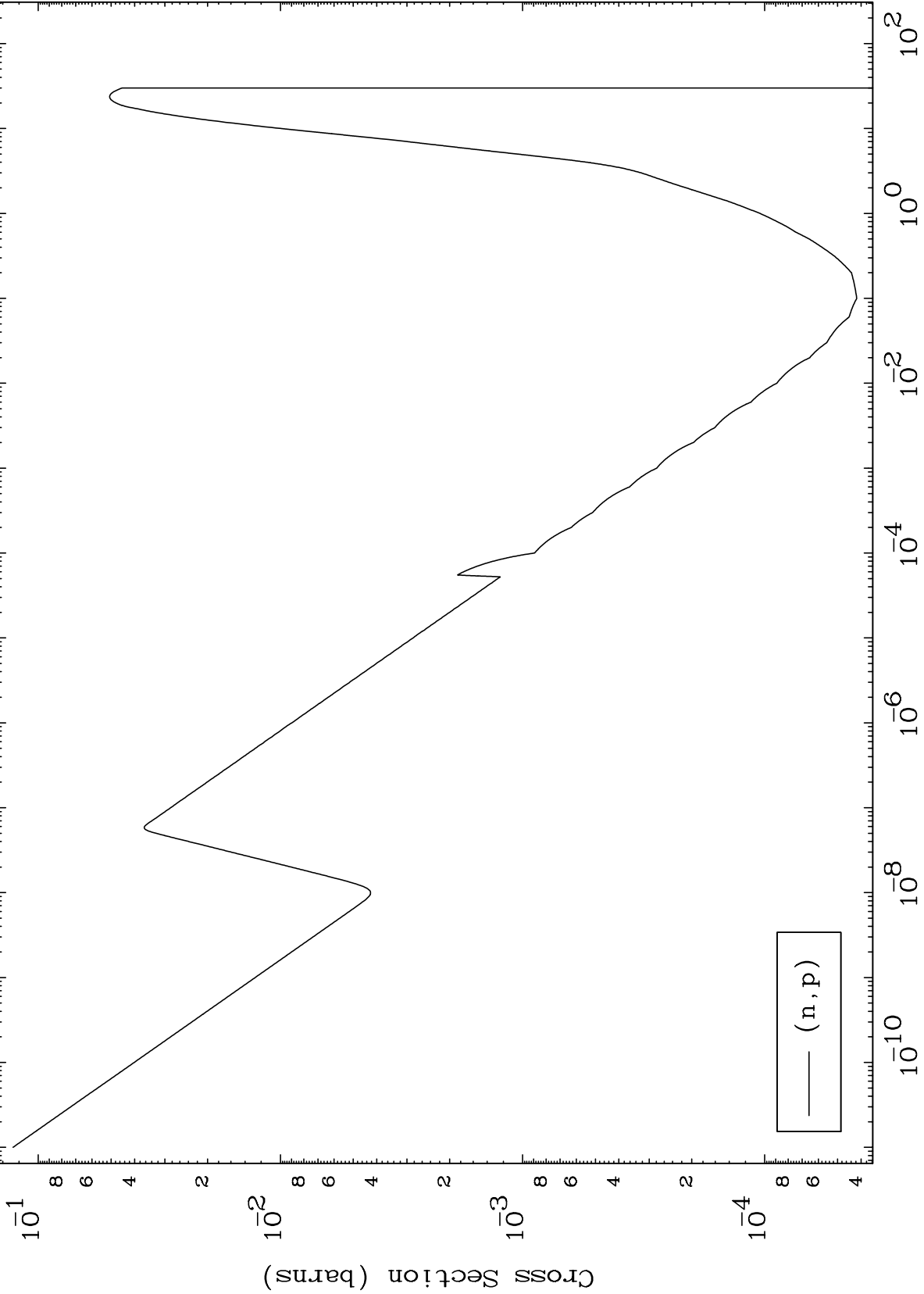
81-Tl-193m



MAT 8096

(n,p) Levels  
293 Kelvin Cross Sections

81-Tl-193m

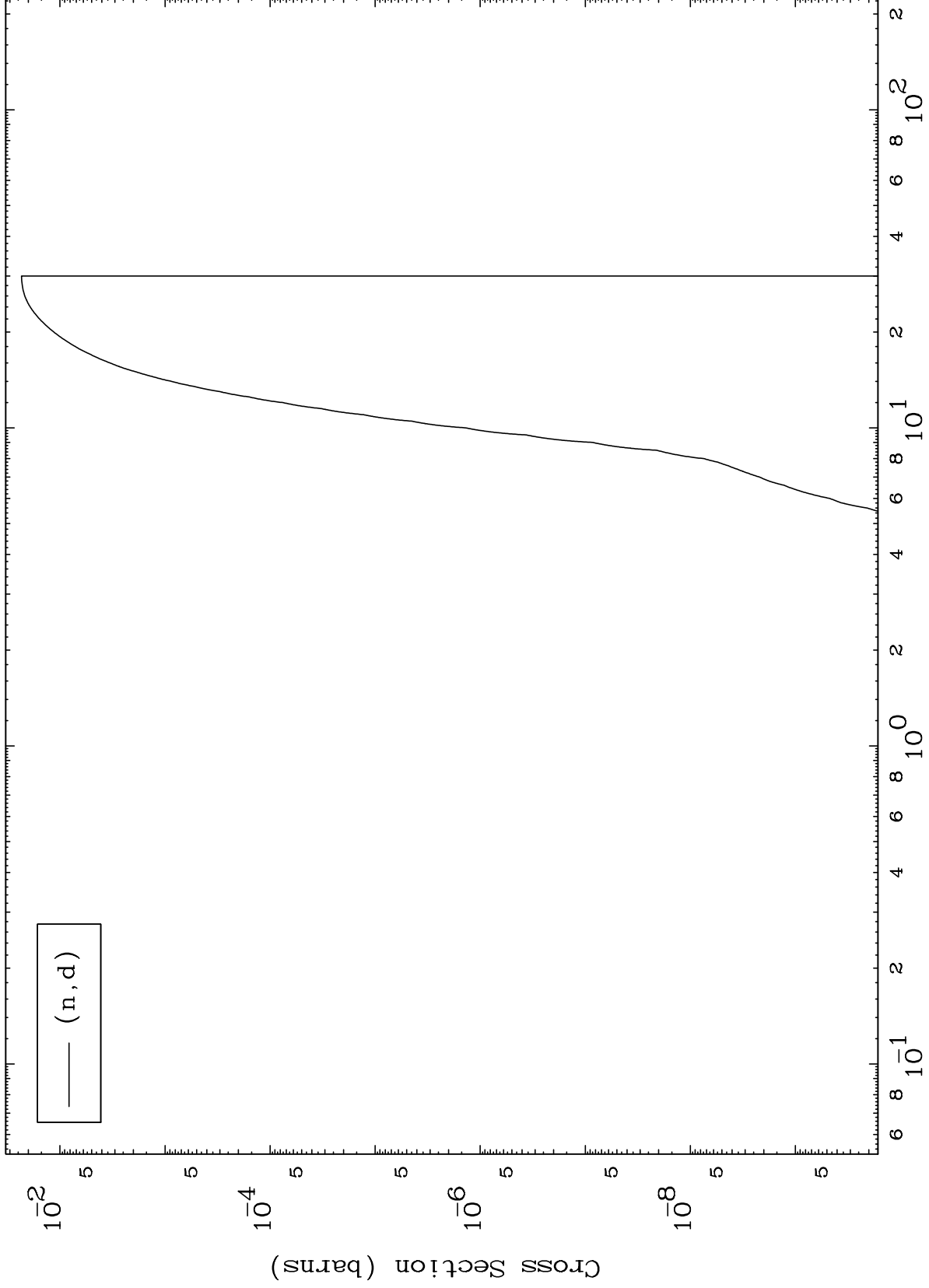


81-Tl-193m

MAT 8096

(n,d) Levels  
293 Kelvin Cross Sections

81-Tl-193m



13

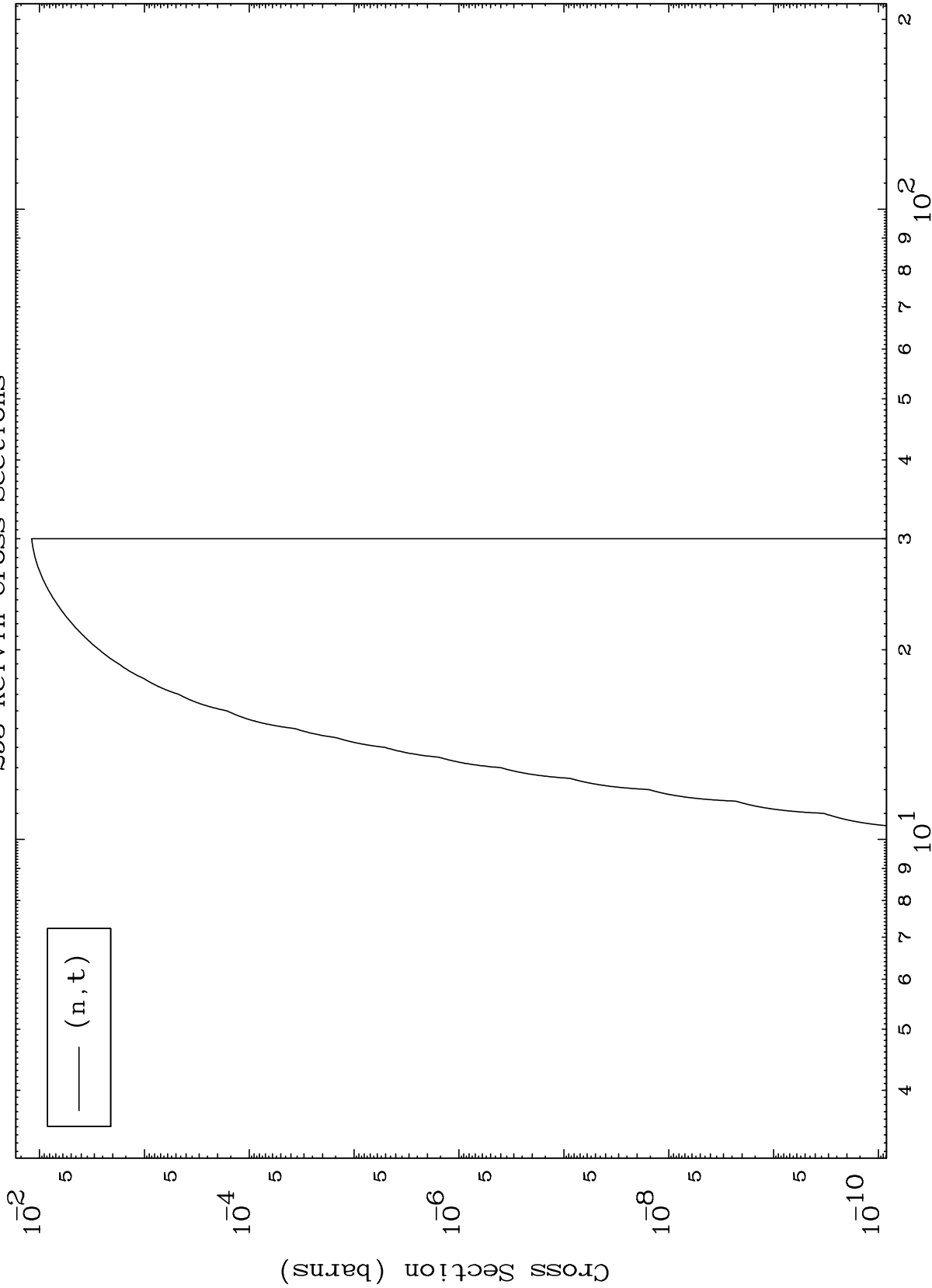
Incident Energy (MeV)

81-Tl-193m

MAT 8096

(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-193m



14

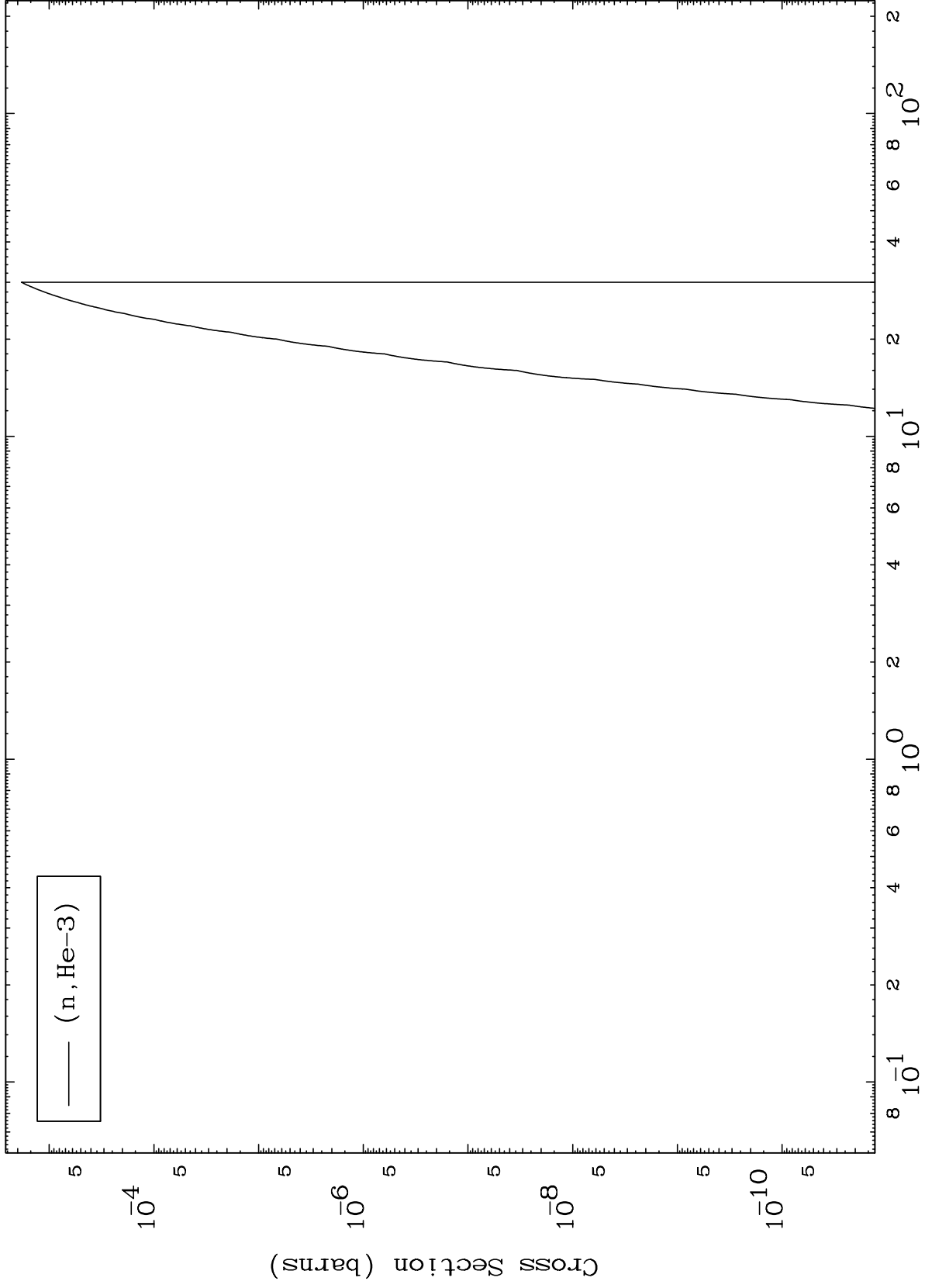
Incident Energy (MeV)

81-Tl-193m

MAT 8096

(n,He3) Levels  
293 Kelvin Cross Sections

81-TI-193m



15

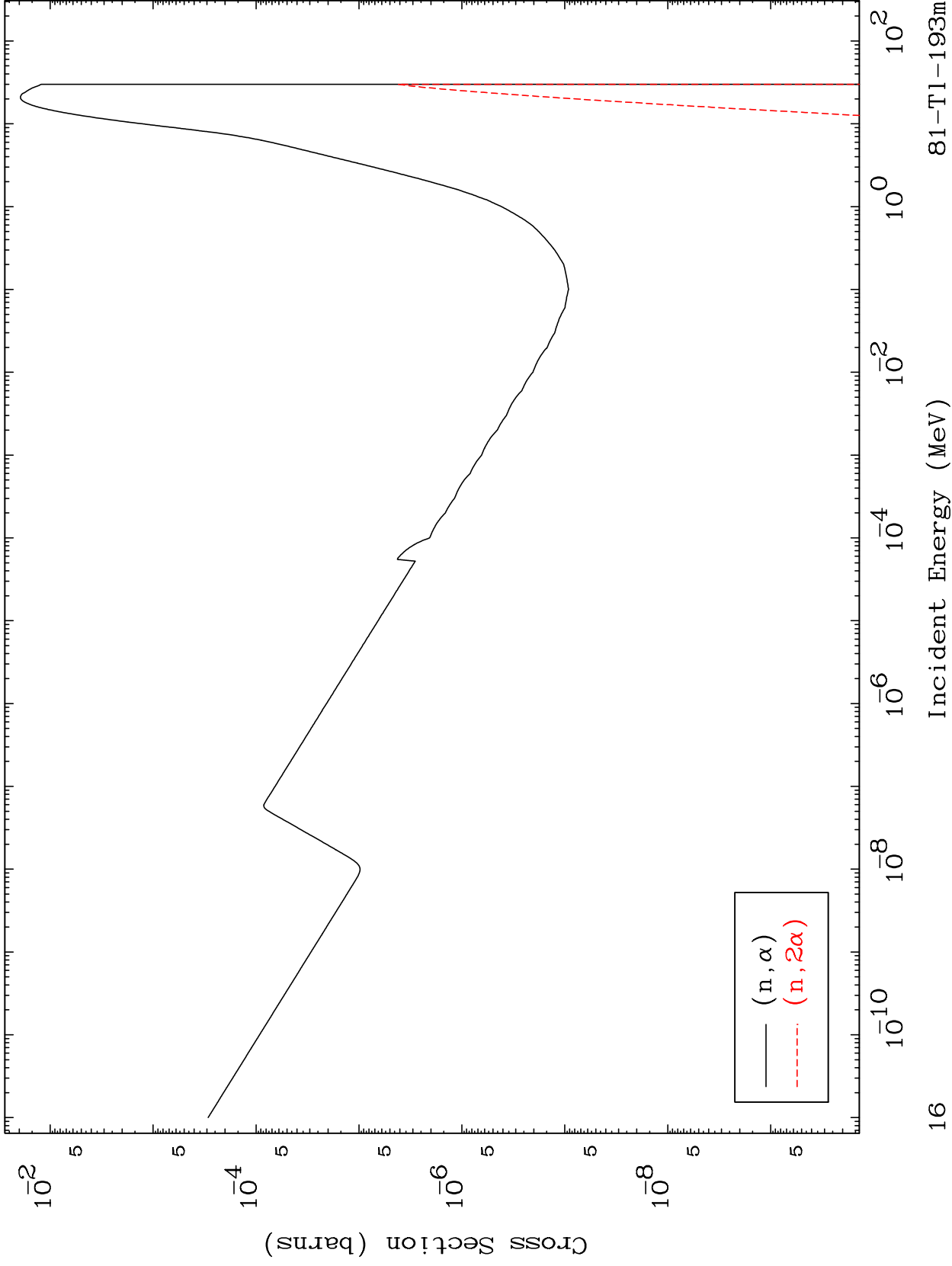
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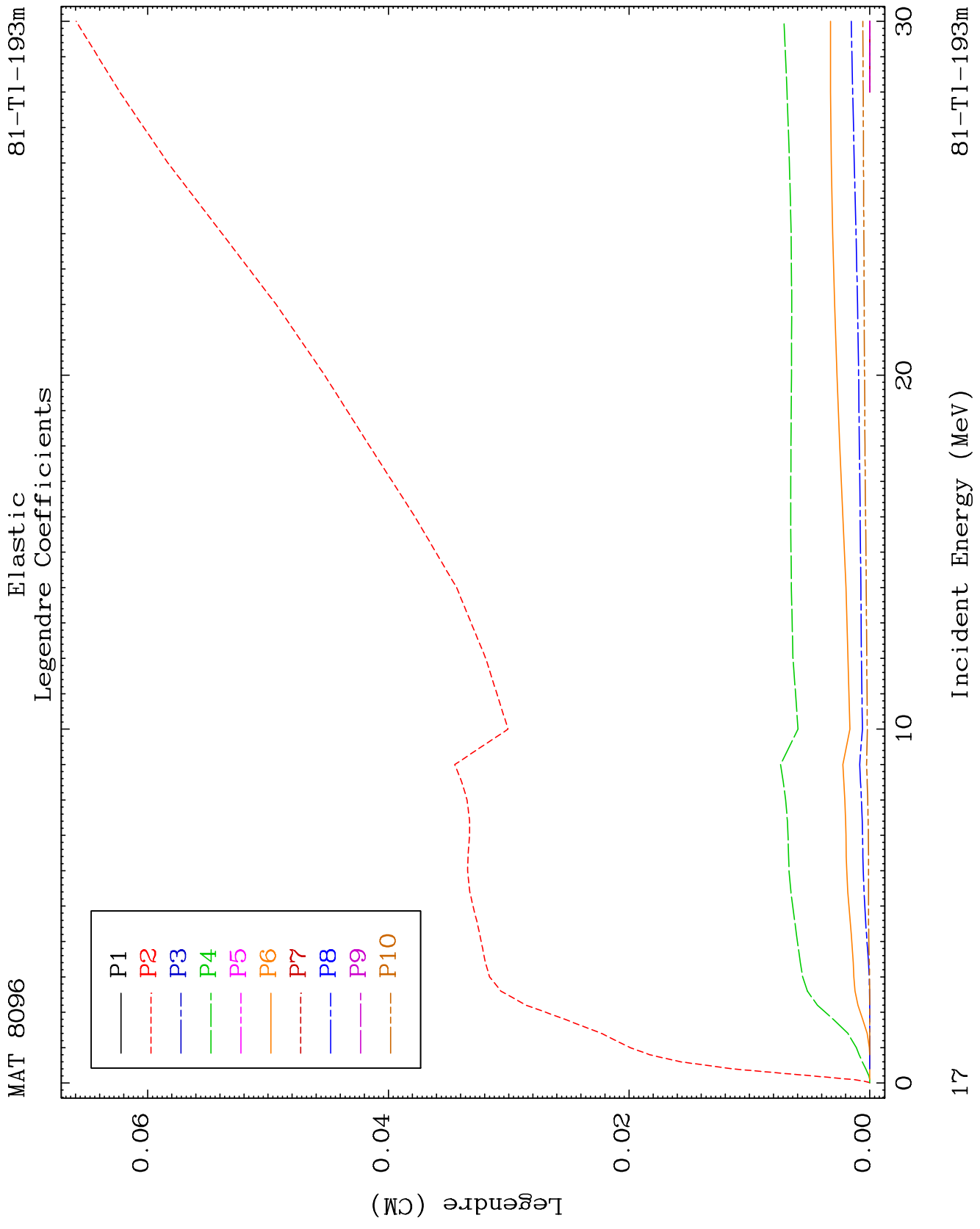
81-TI-193m

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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

81-Tl-193m

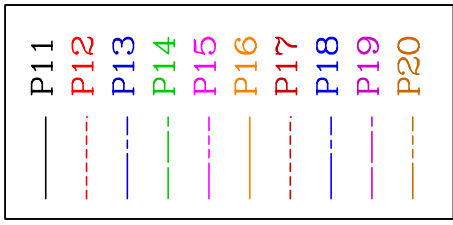




MAT 8096

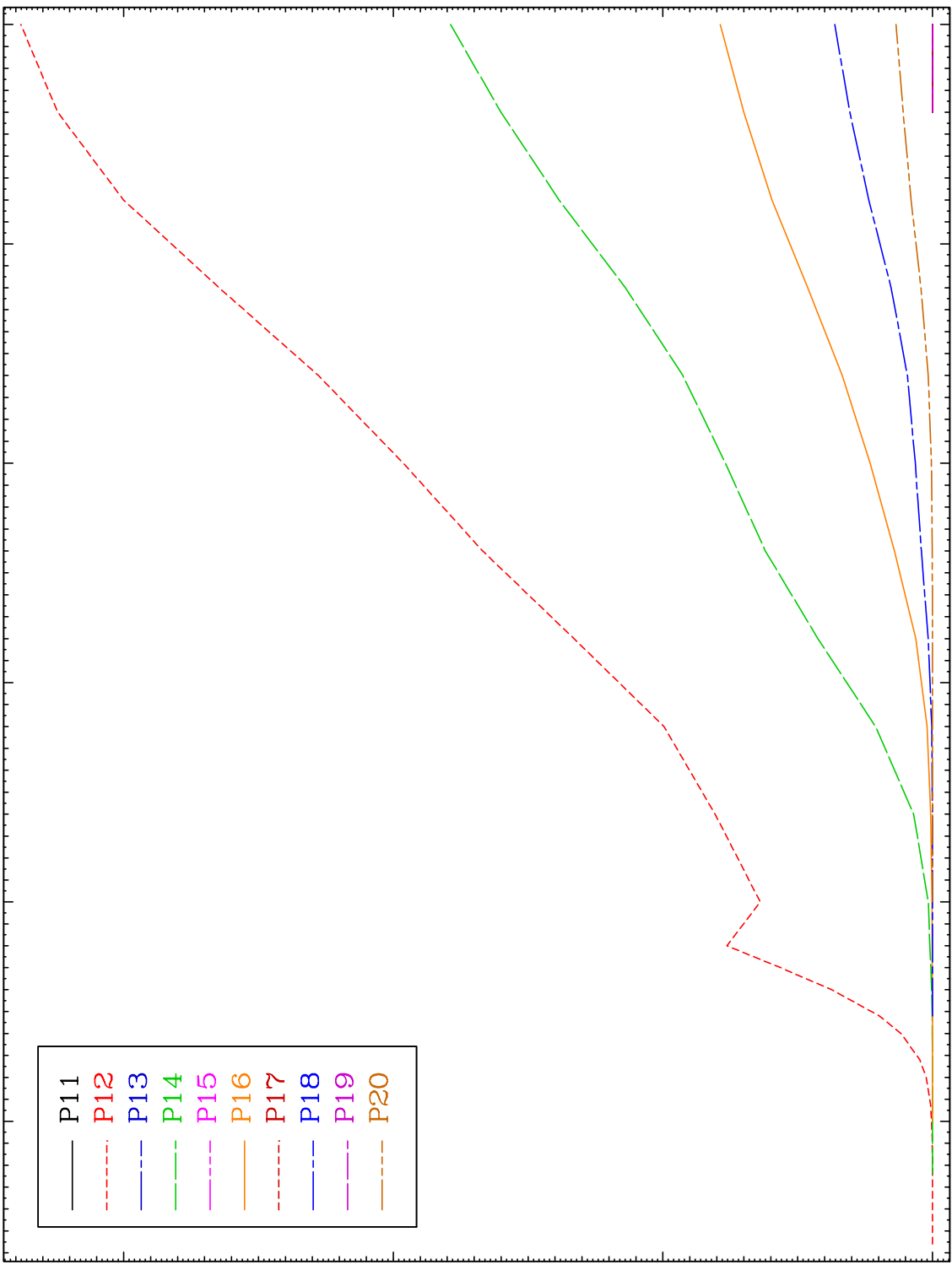
Elastic Legendre Coefficients

81-Tl-193m



$\times 10^{-4}$

Legendre (CM)



18

Incident Energy (MeV)

81-Tl-193m

30

25

20

15

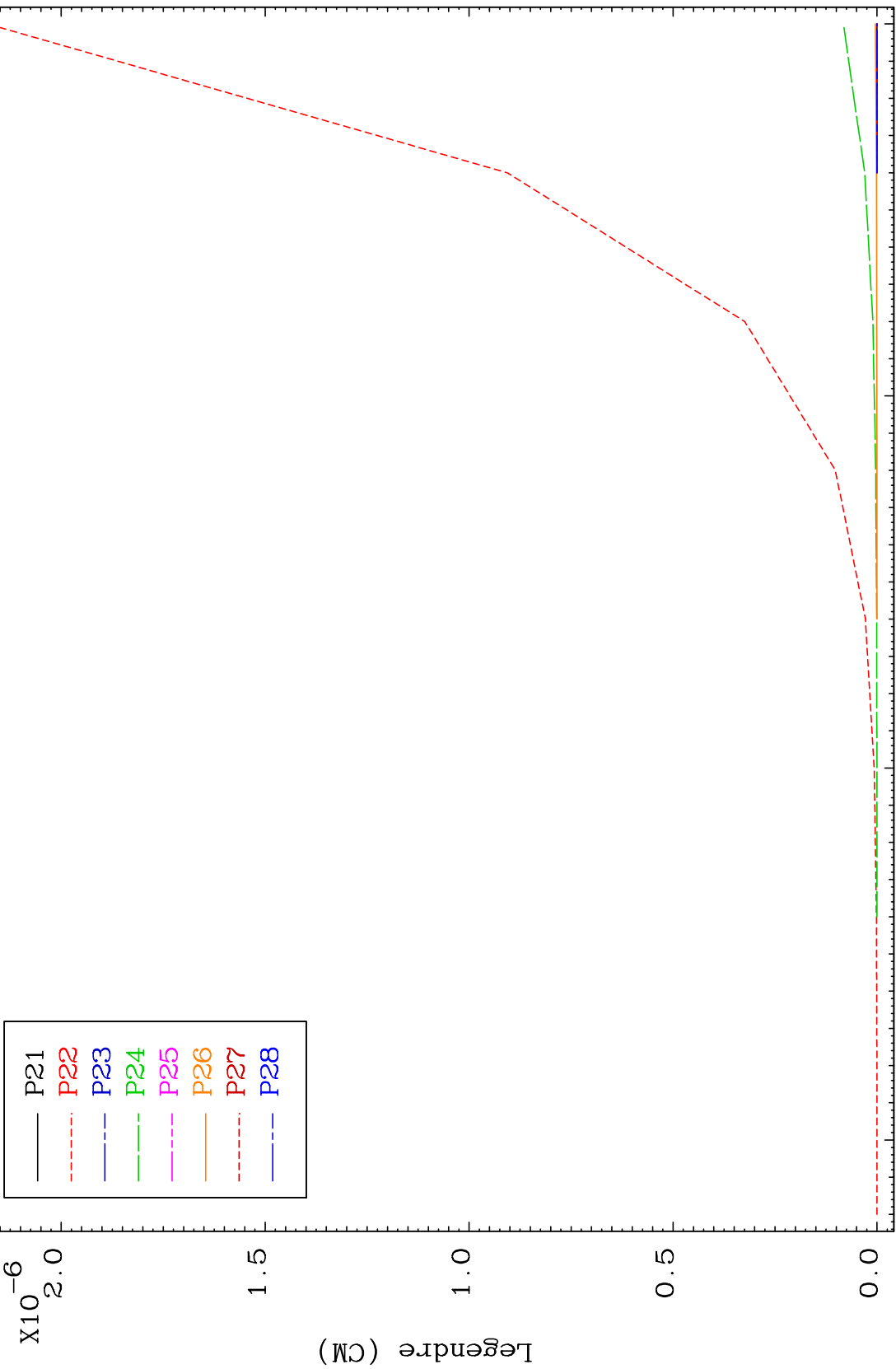
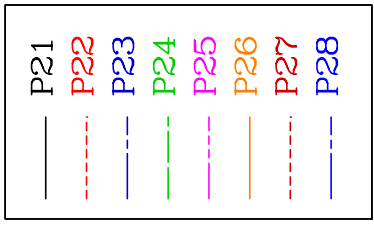
10

5

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Elastic Legendre Coefficients

81-Tl-193m



19

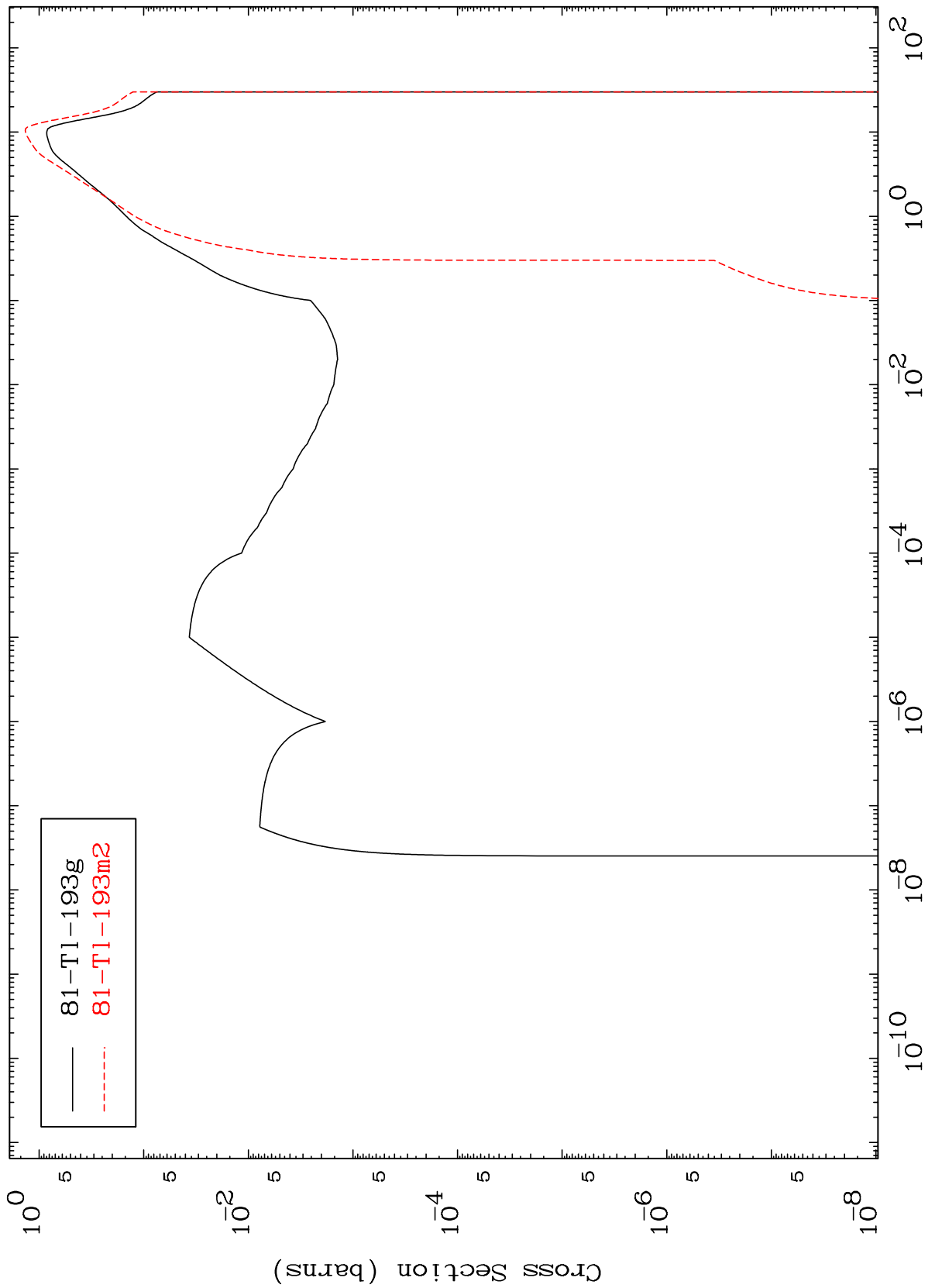
Incident Energy (MeV)

81-Tl-193m

MAT 8096

Inelastic  
Radionuclide Production Cross Section

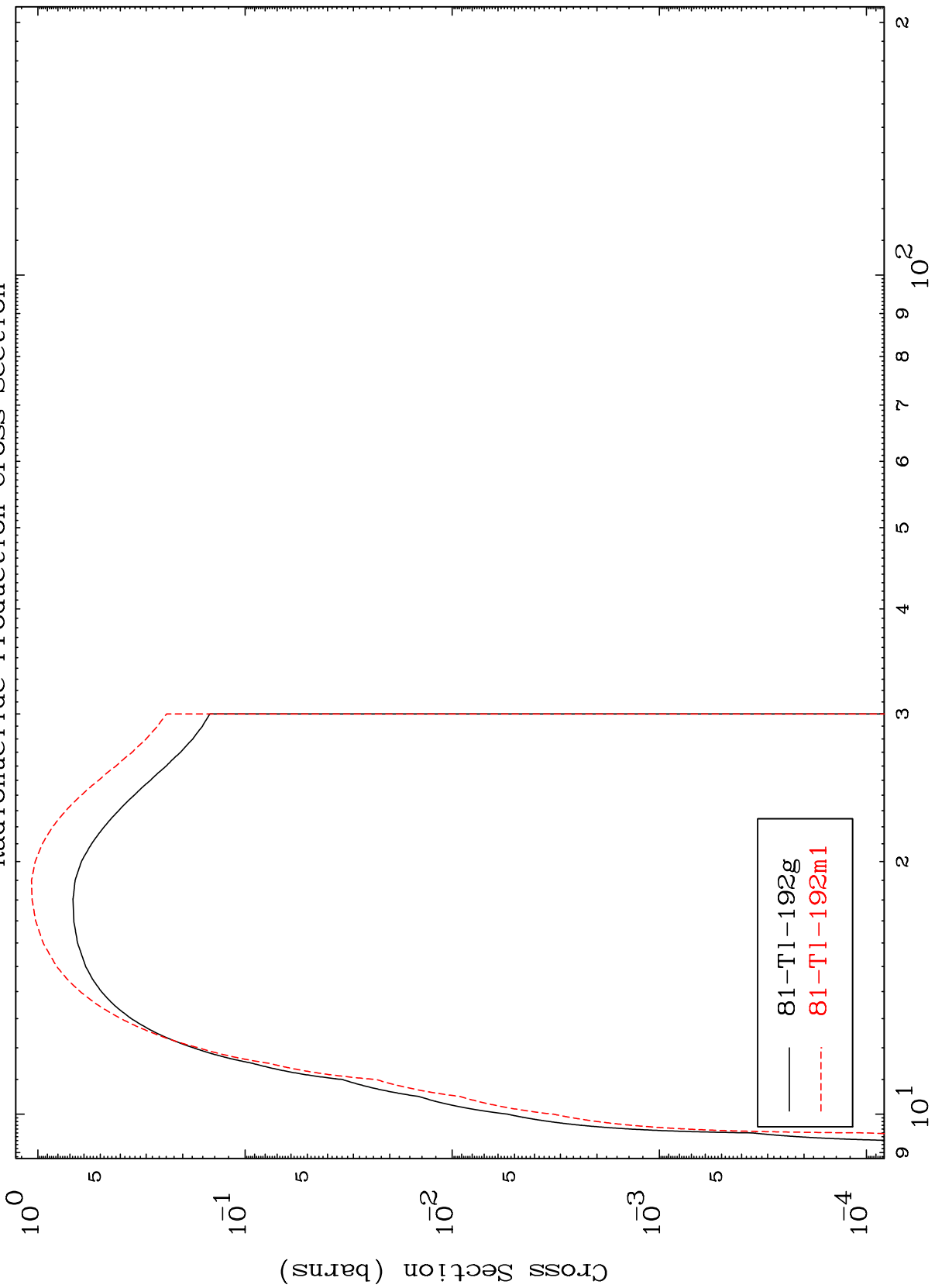
81-Tl-193m



MAT 8096

81-Tl-193m

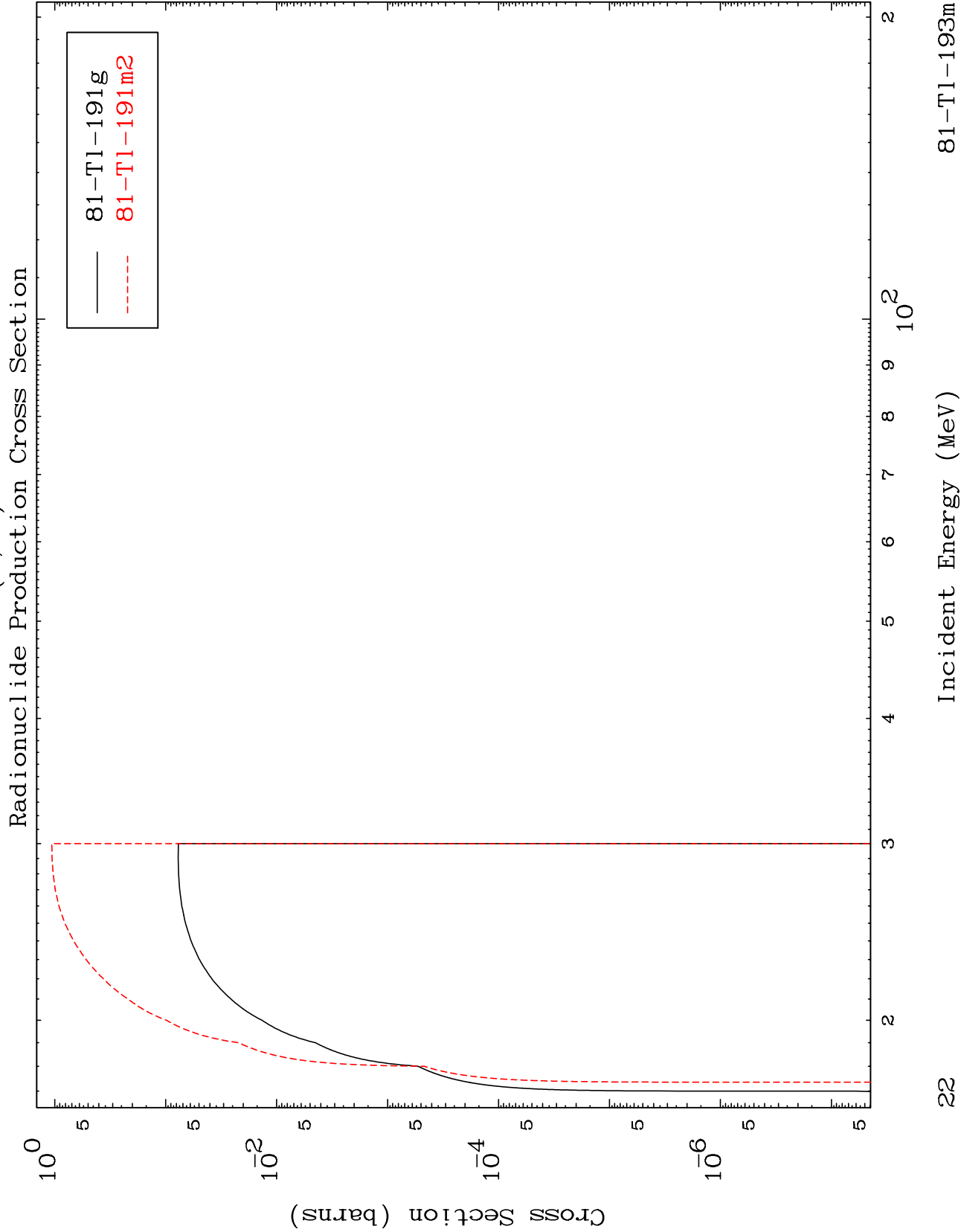
Radionuclide Production Cross Section



81-Tl-193m

Incident Energy (MeV)

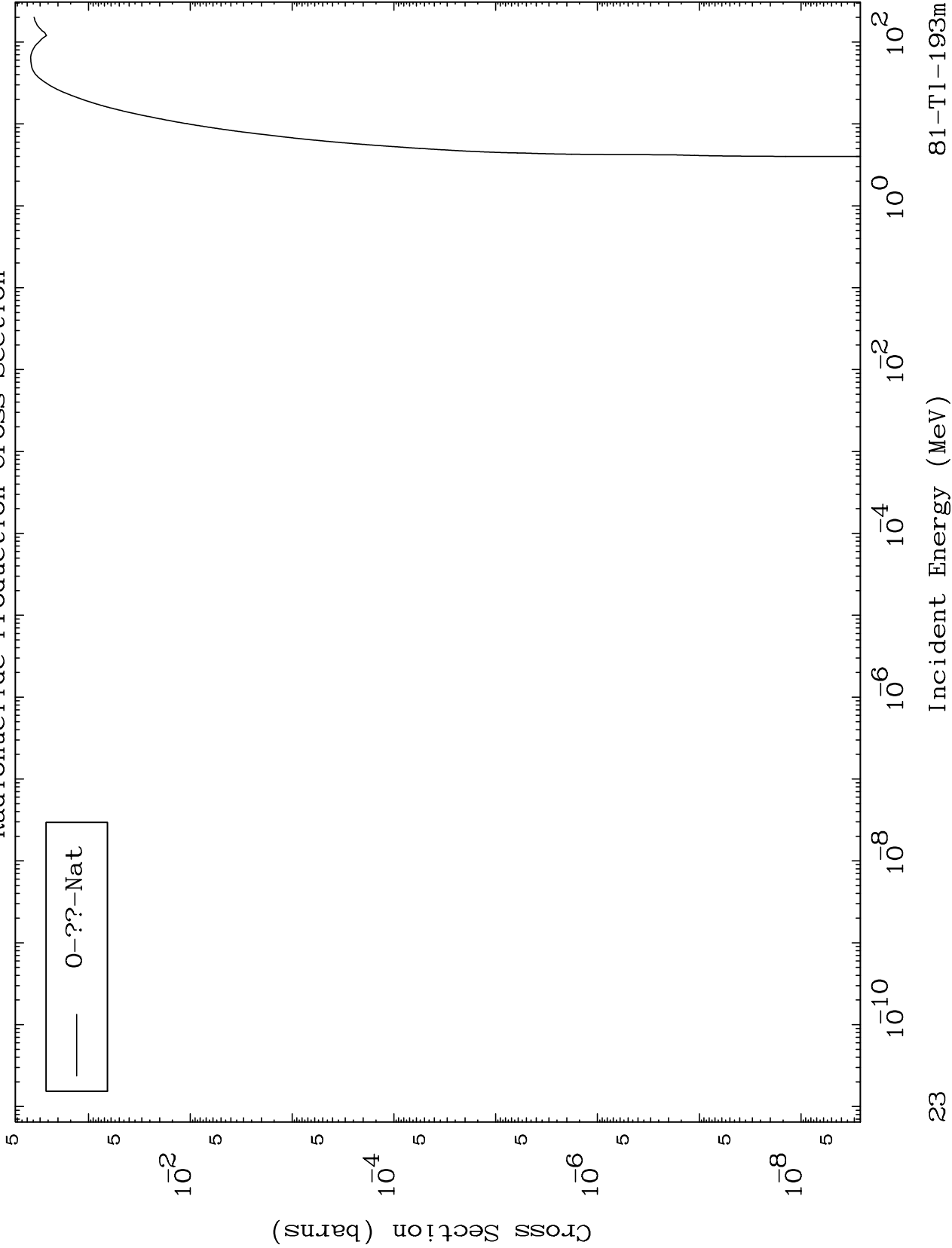
21



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Fission  
Radionuclide Production Cross Section

81-Tl-193m

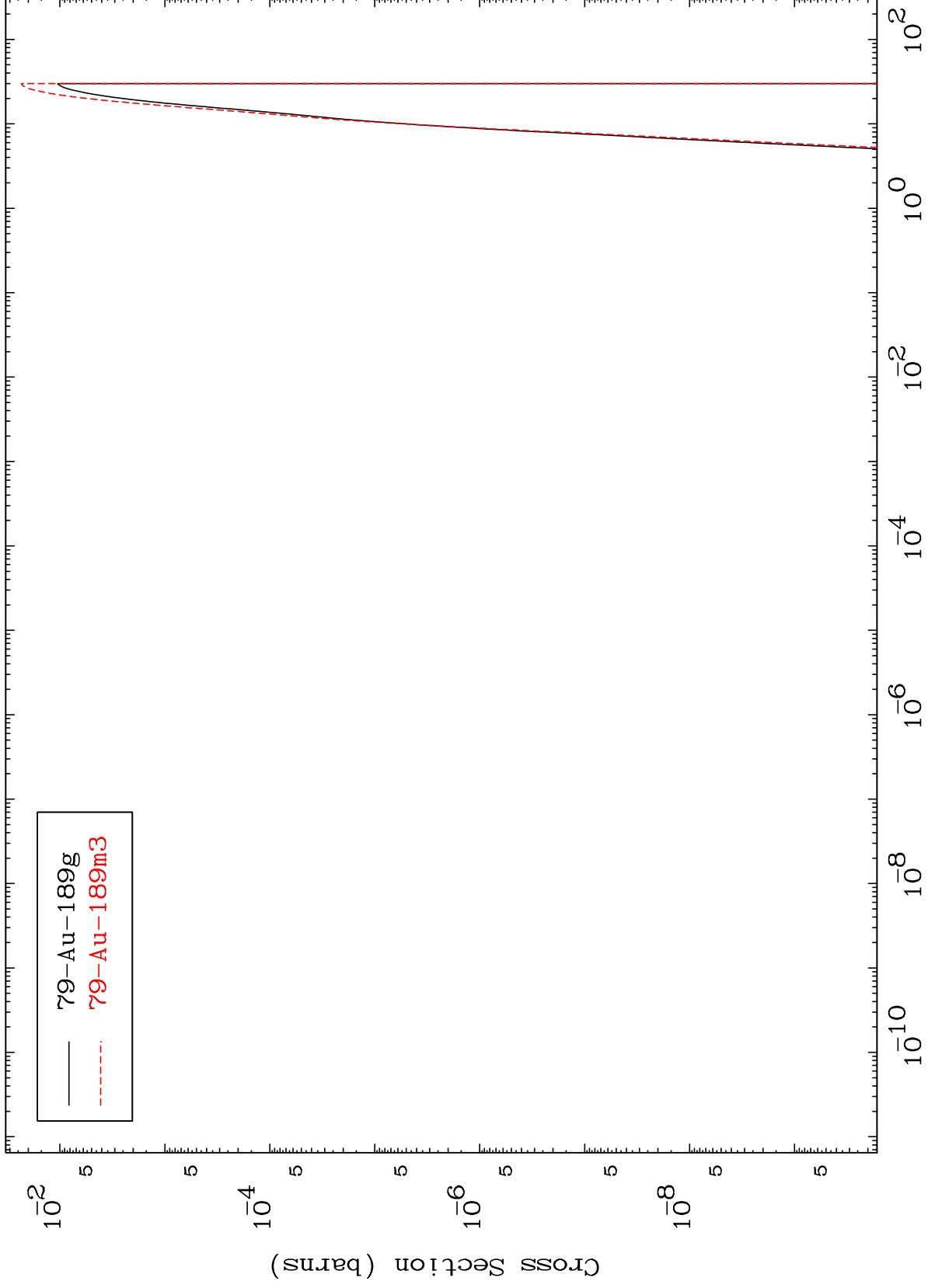


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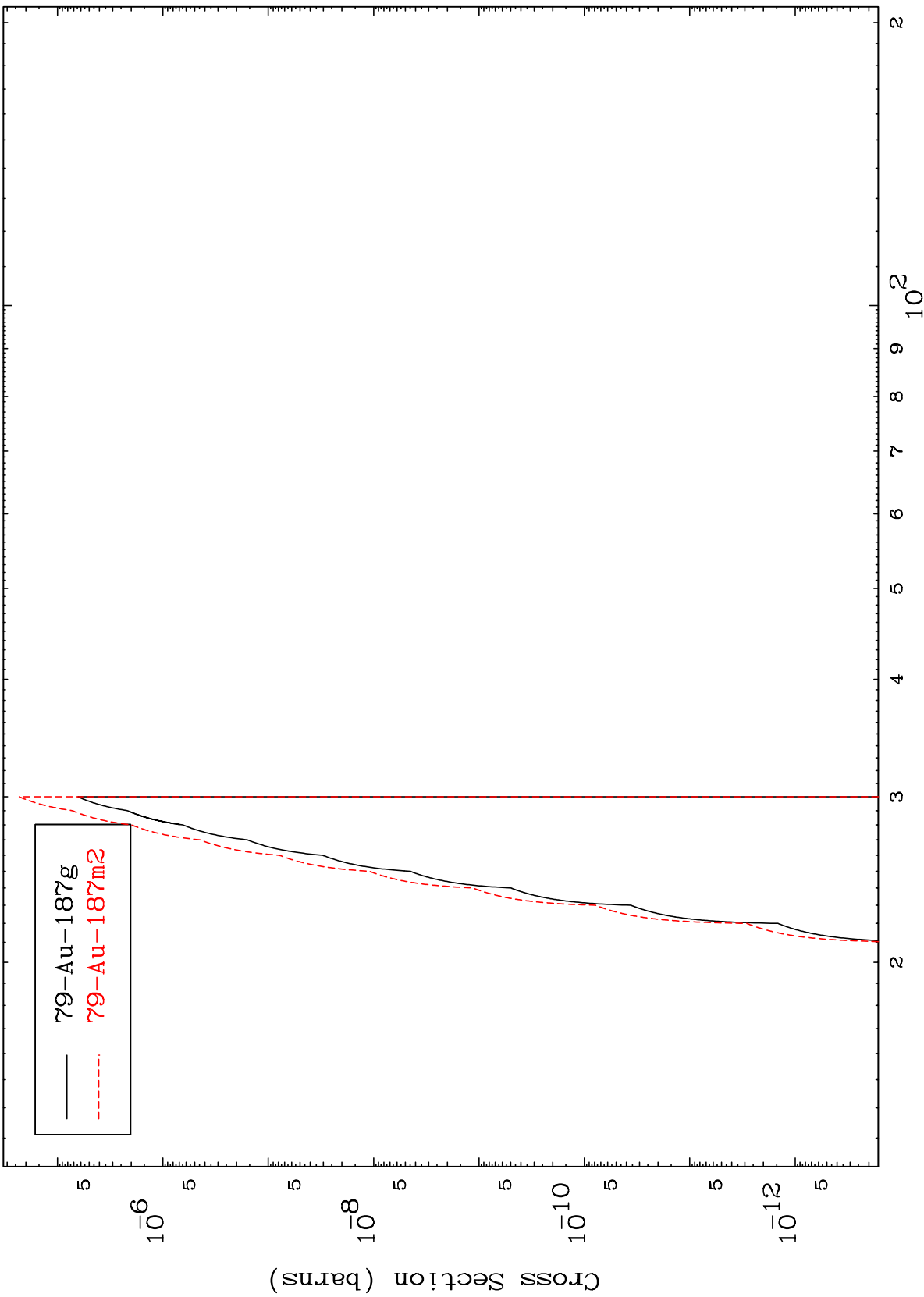
$(n, n') \alpha$

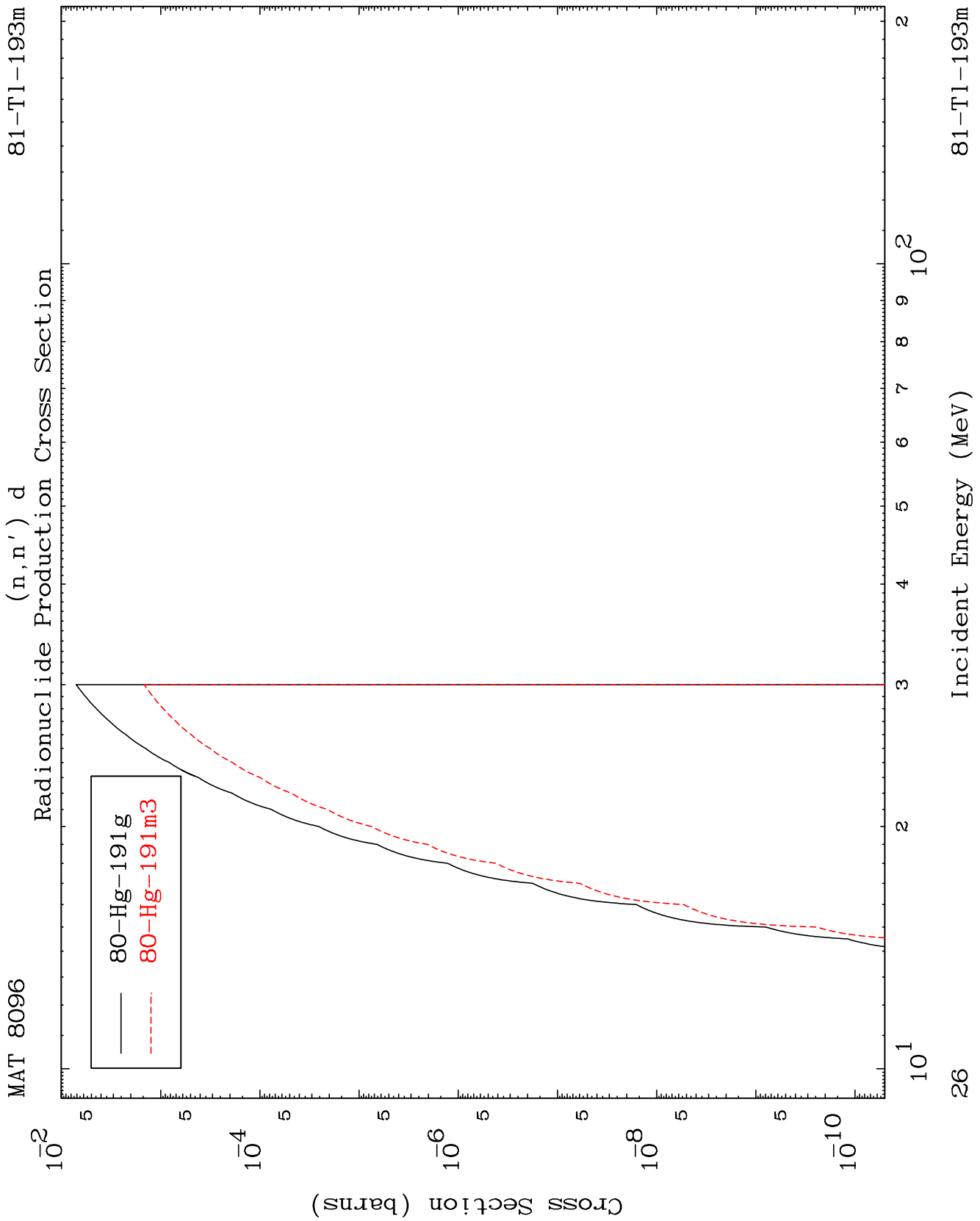
81-Tl-193m

Radionuclide Production Cross Section



Radionuclide Production Cross Section

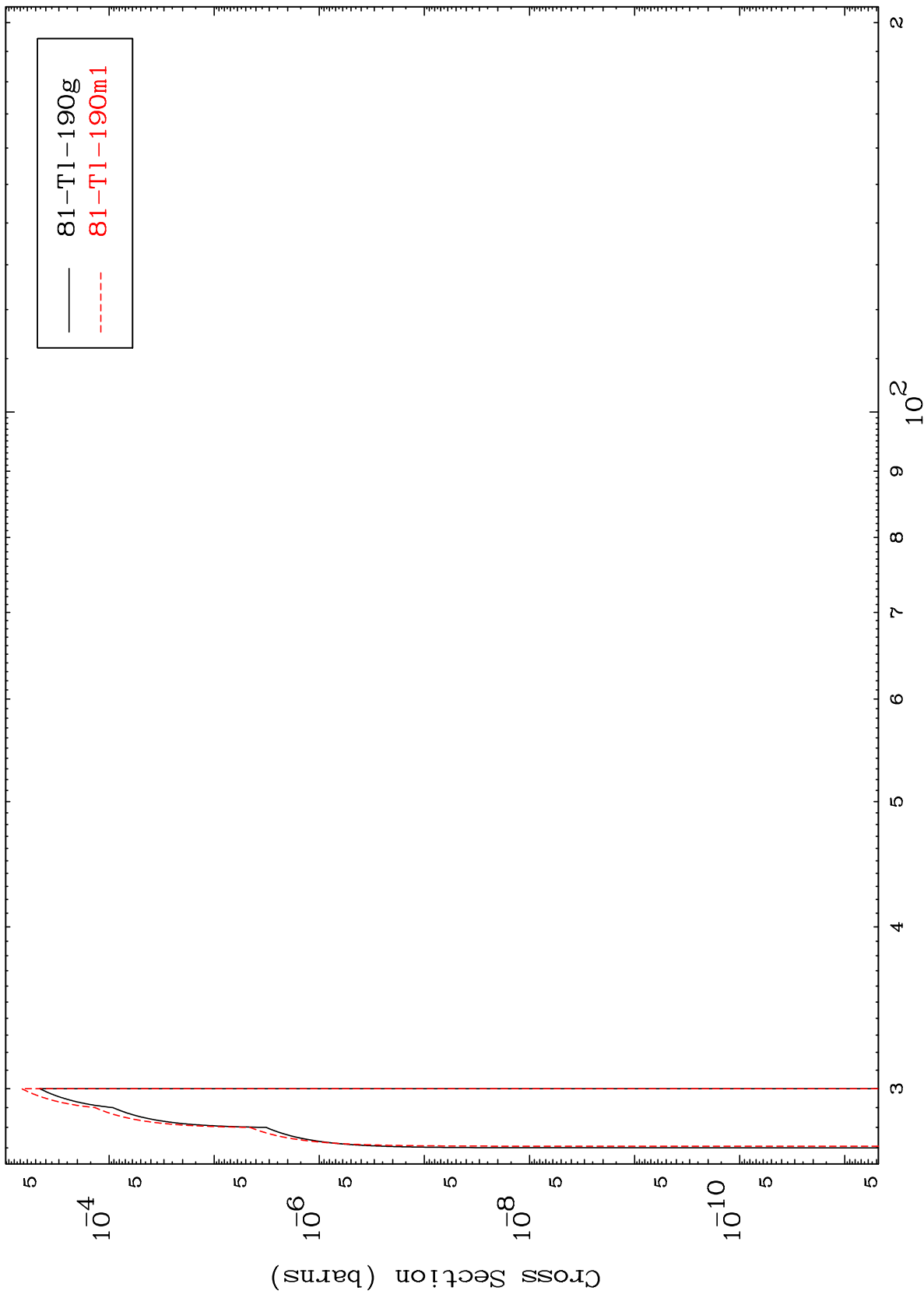




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81-Tl-193m

(n,4n)  
Radionuclide Production Cross Section



27

81-Tl-193m

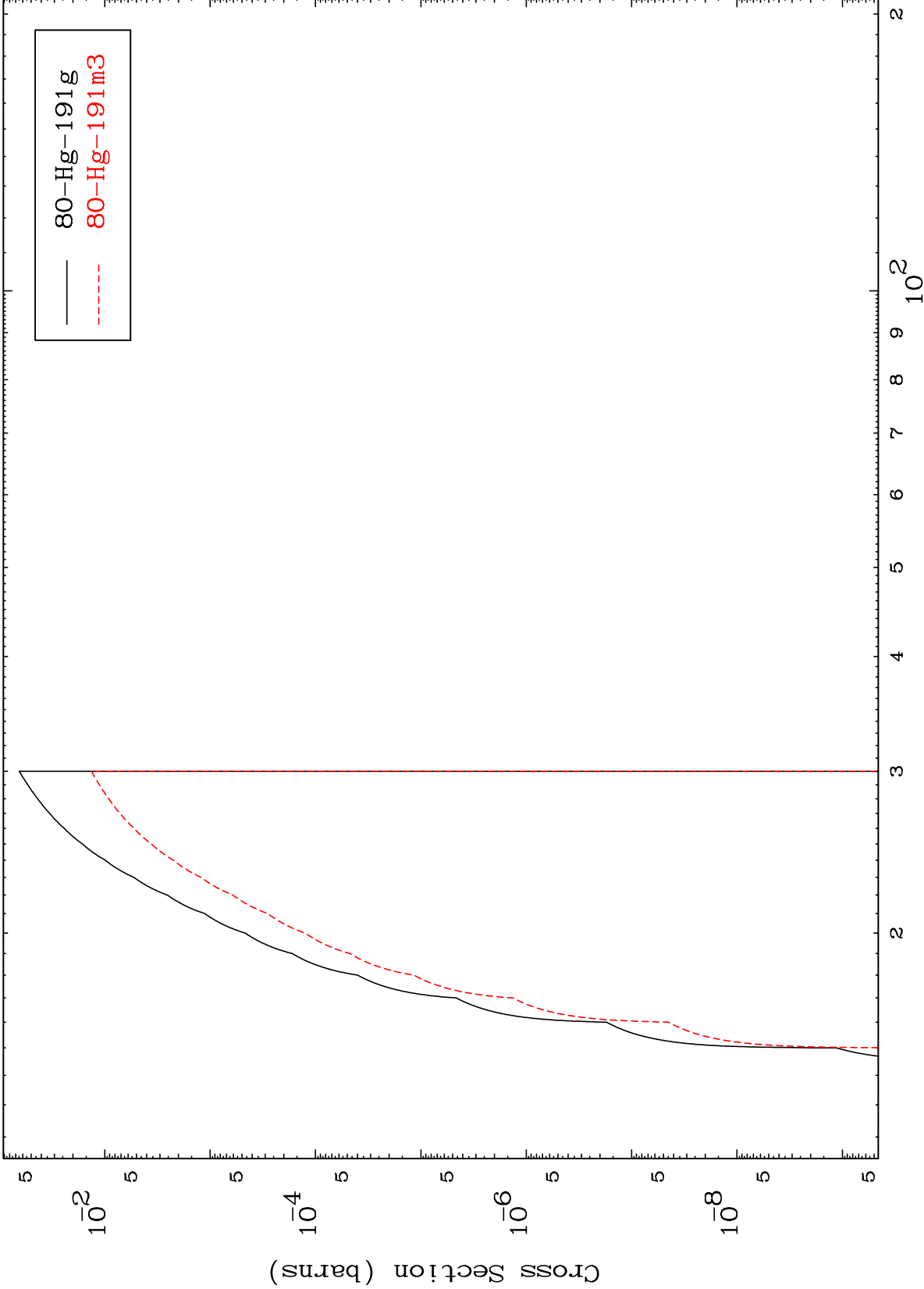
Incident Energy (MeV)

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(n,2n) p

81-TI-193m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

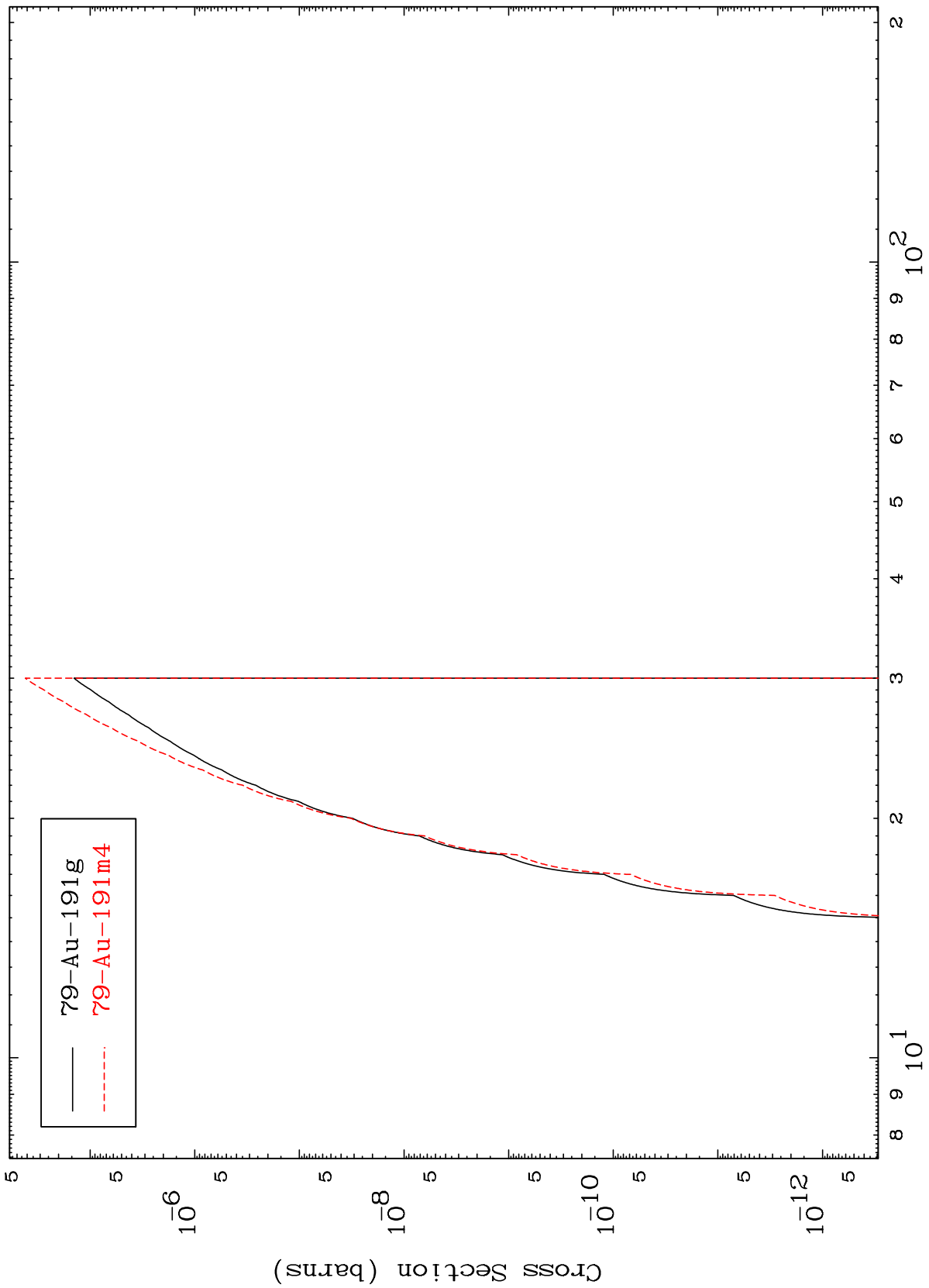
81-TI-193m

MAT 8096

(n,2n) p

81-Tl-193m

Radionuclide Production Cross Section



29

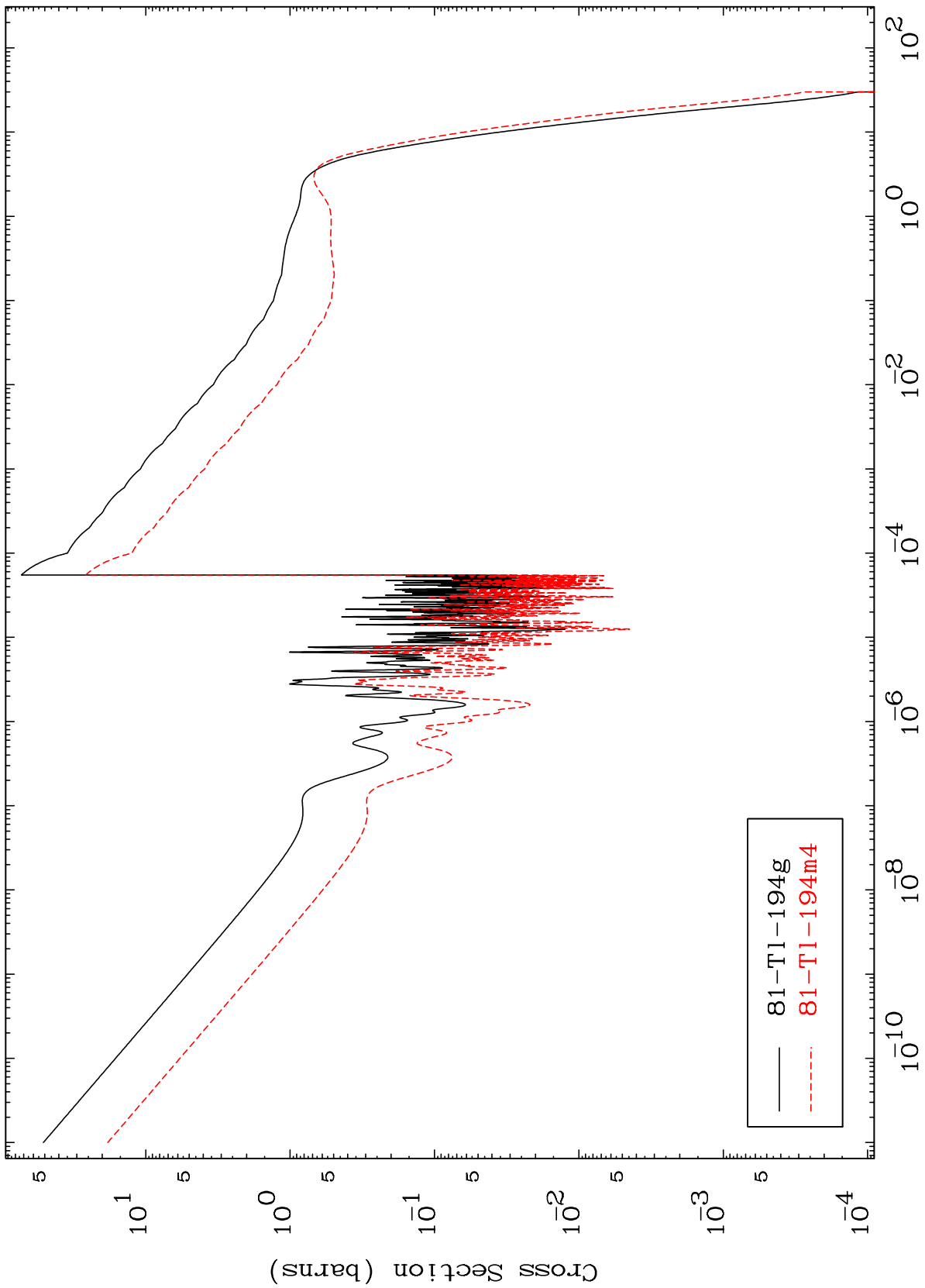
Incident Energy (MeV)

81-Tl-193m

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81-Tl-193m

Radionuclide Production Cross Section  
(n,  $\gamma$ )



30

81-Tl-193m

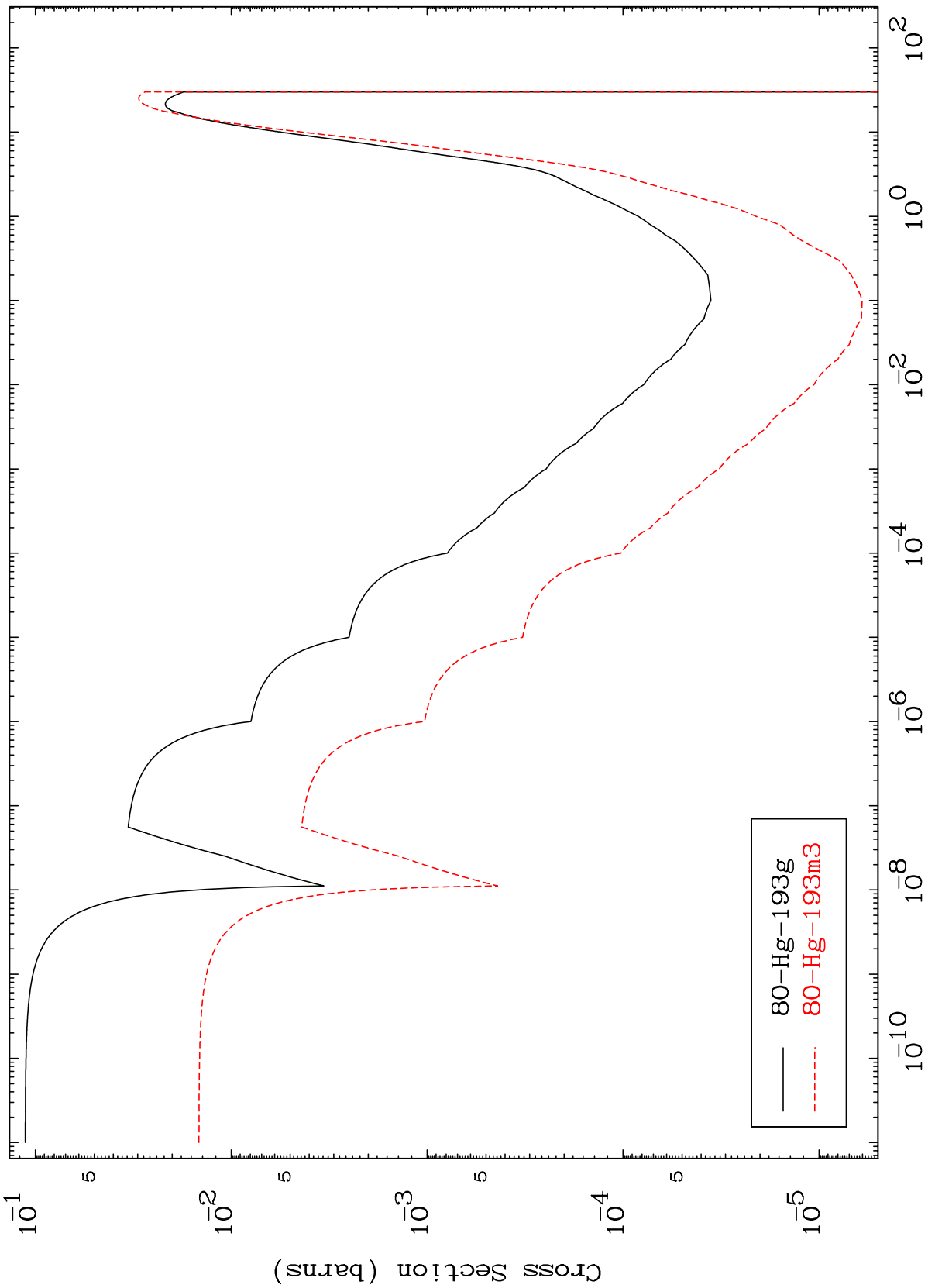
Incident Energy (MeV)

MAT 8096

81-Tl-193m

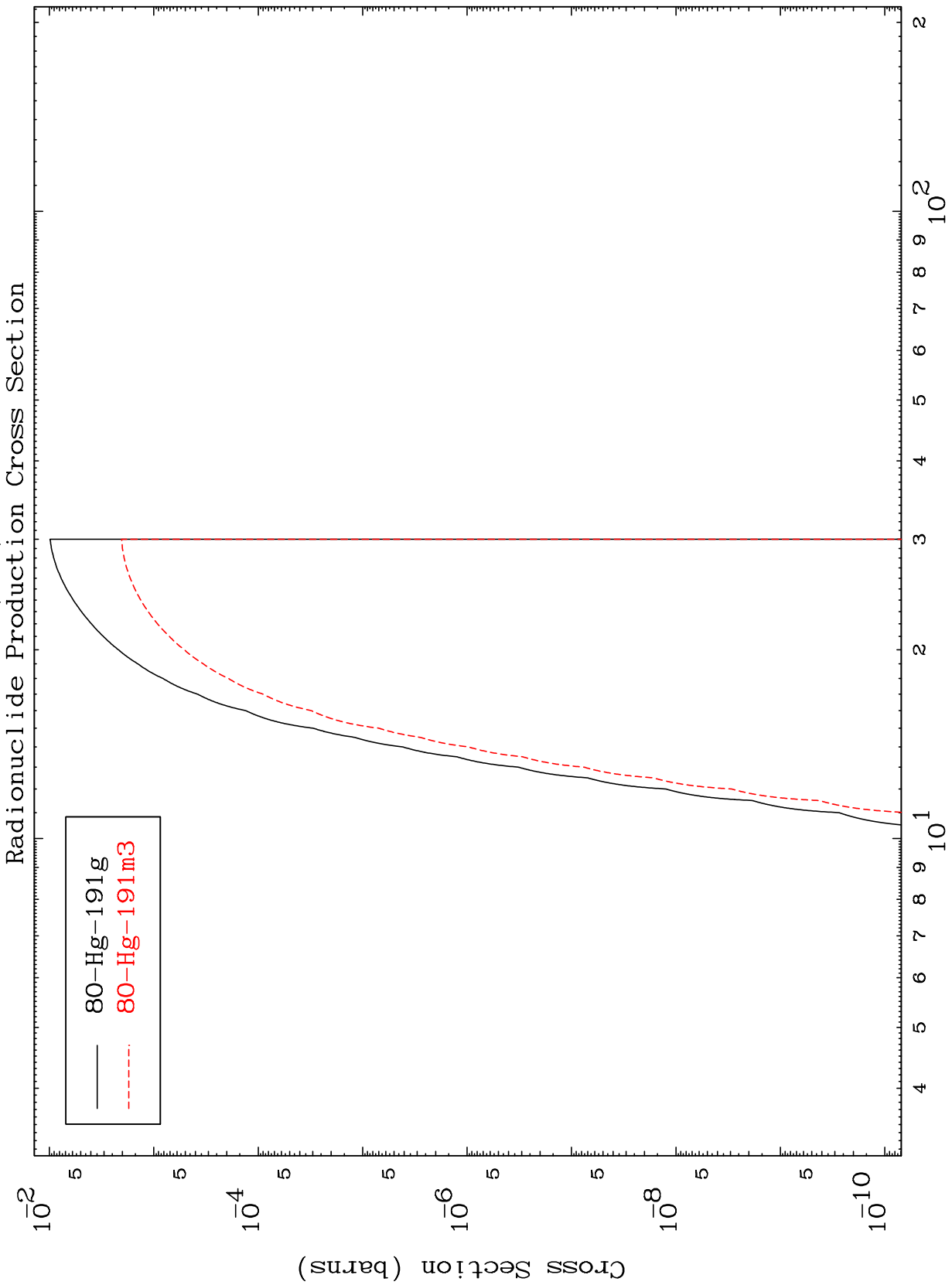
Radionuclide Production Cross Section

(n,p)



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81-TI-193m

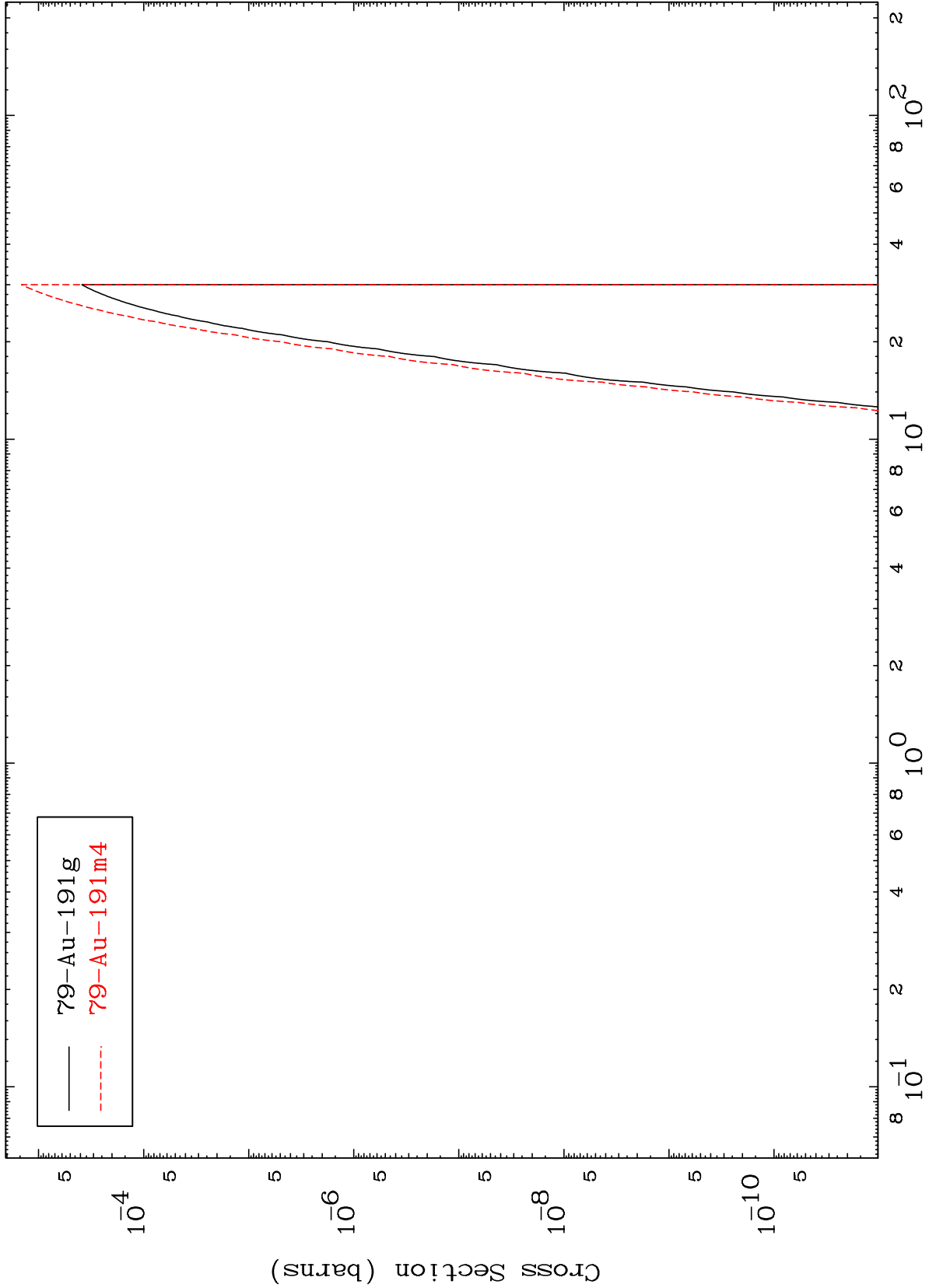


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(n,He-3)

81-Tl-193m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

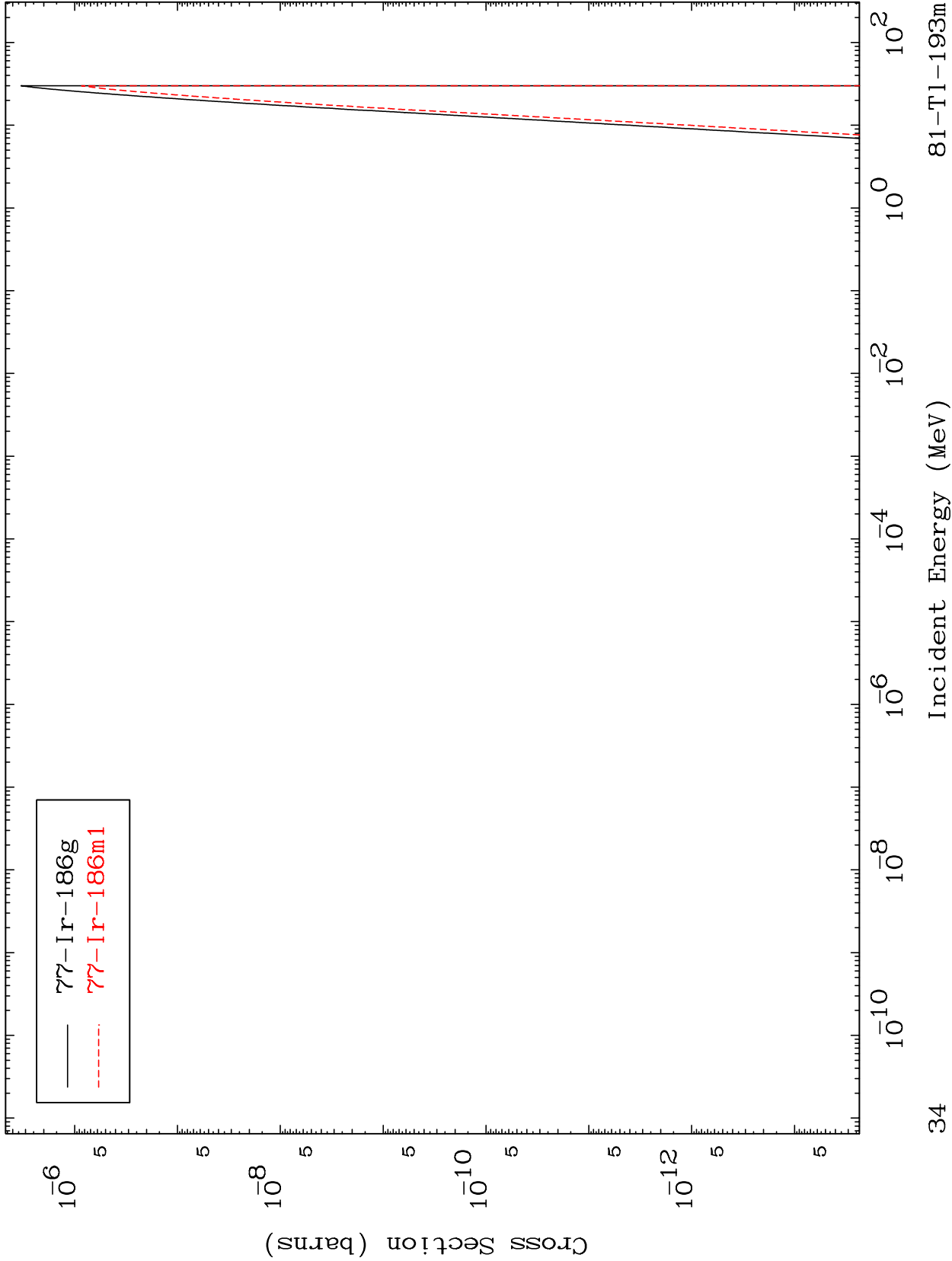
81-Tl-193m

MAT 8096

(n,2α)

81-Tl-193m

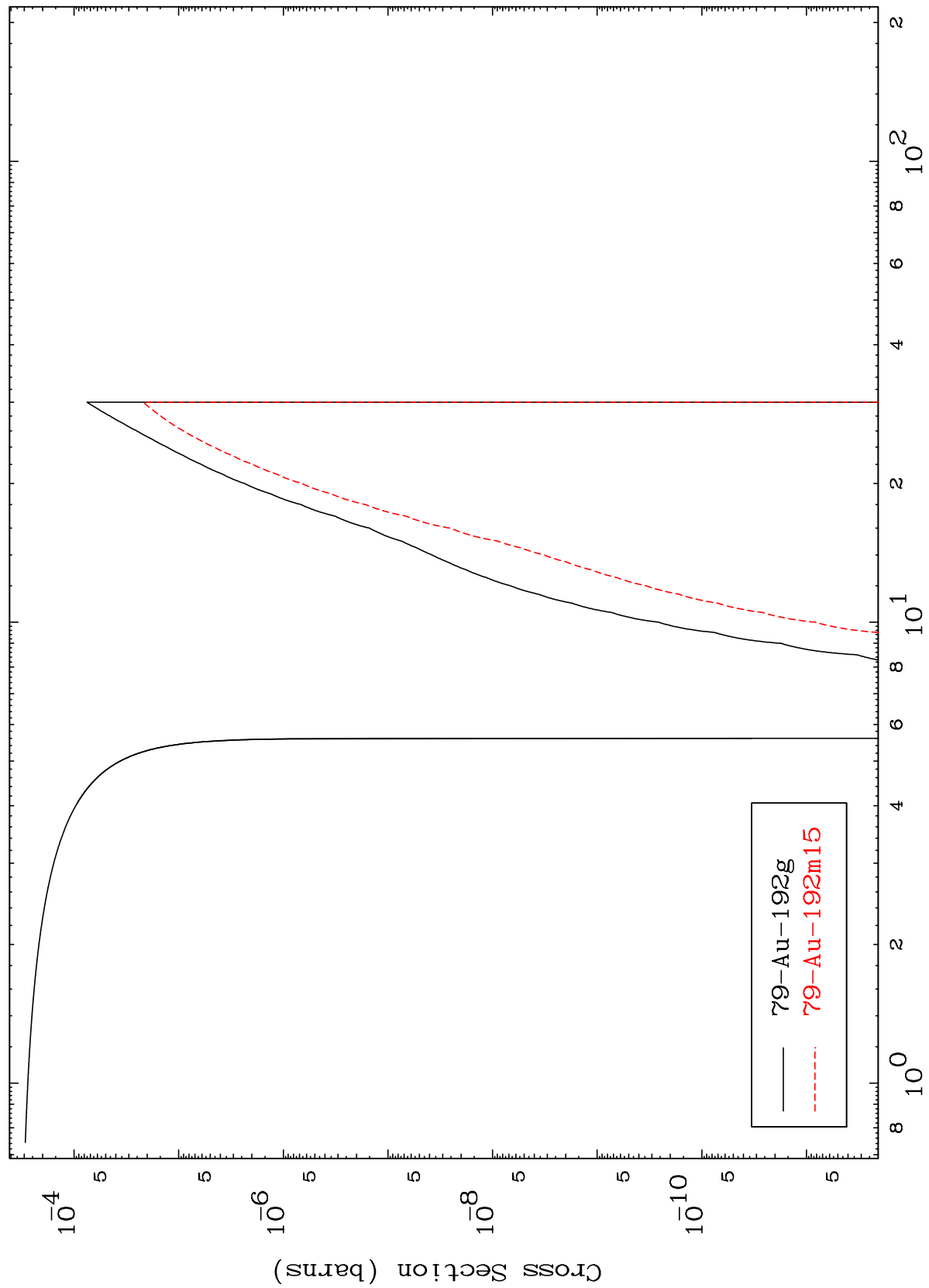
Radionuclide Production Cross Section



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81-Tl-193m

(n,2p)  
Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-193m

35

MAT 8096

(n,p) d

81-TI-193m

