

Program EVALPLOT  
(Version 2015-2)

by

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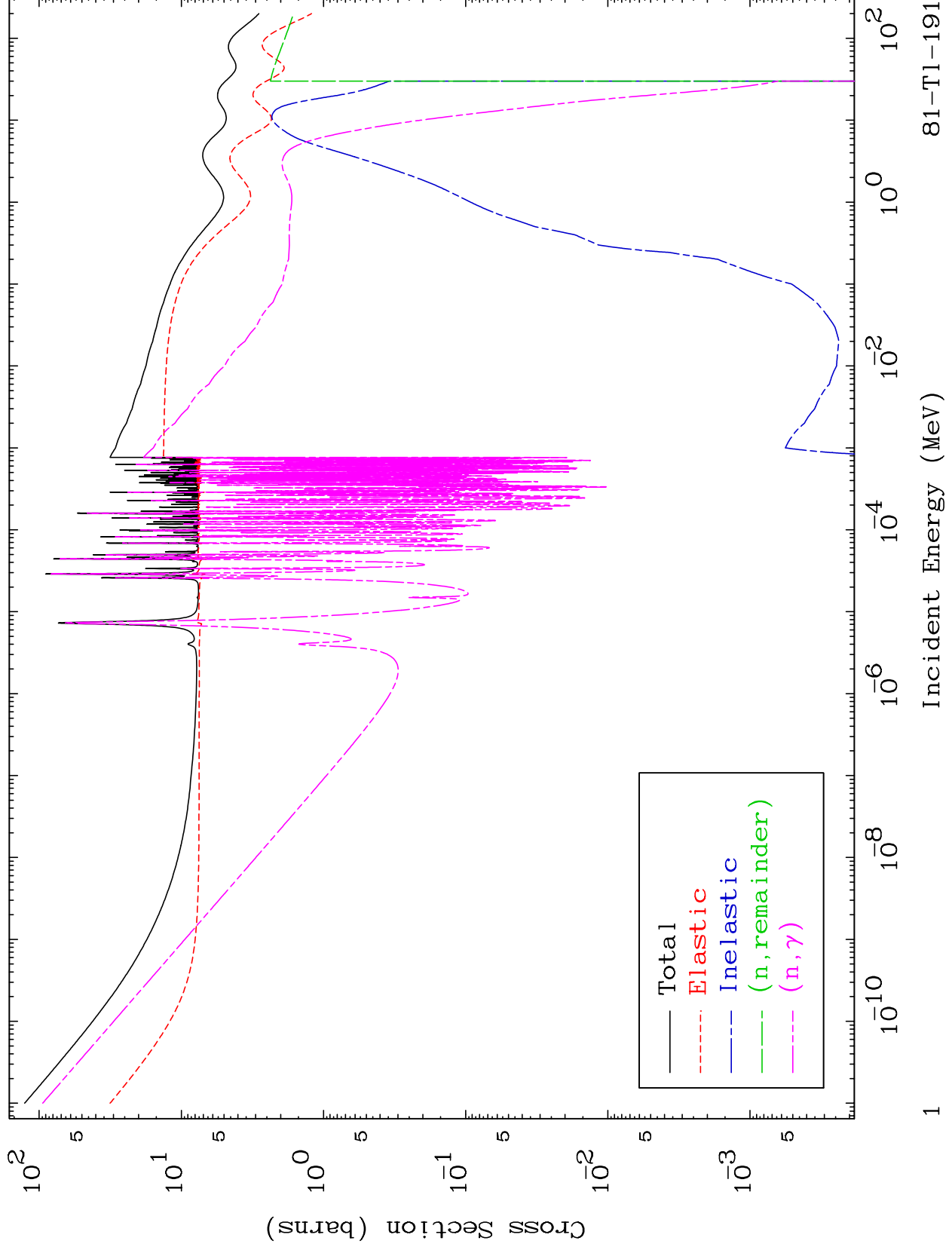
Press Mouse Button to Start

MAT 8090

Major

293 Kelvin Cross Sections

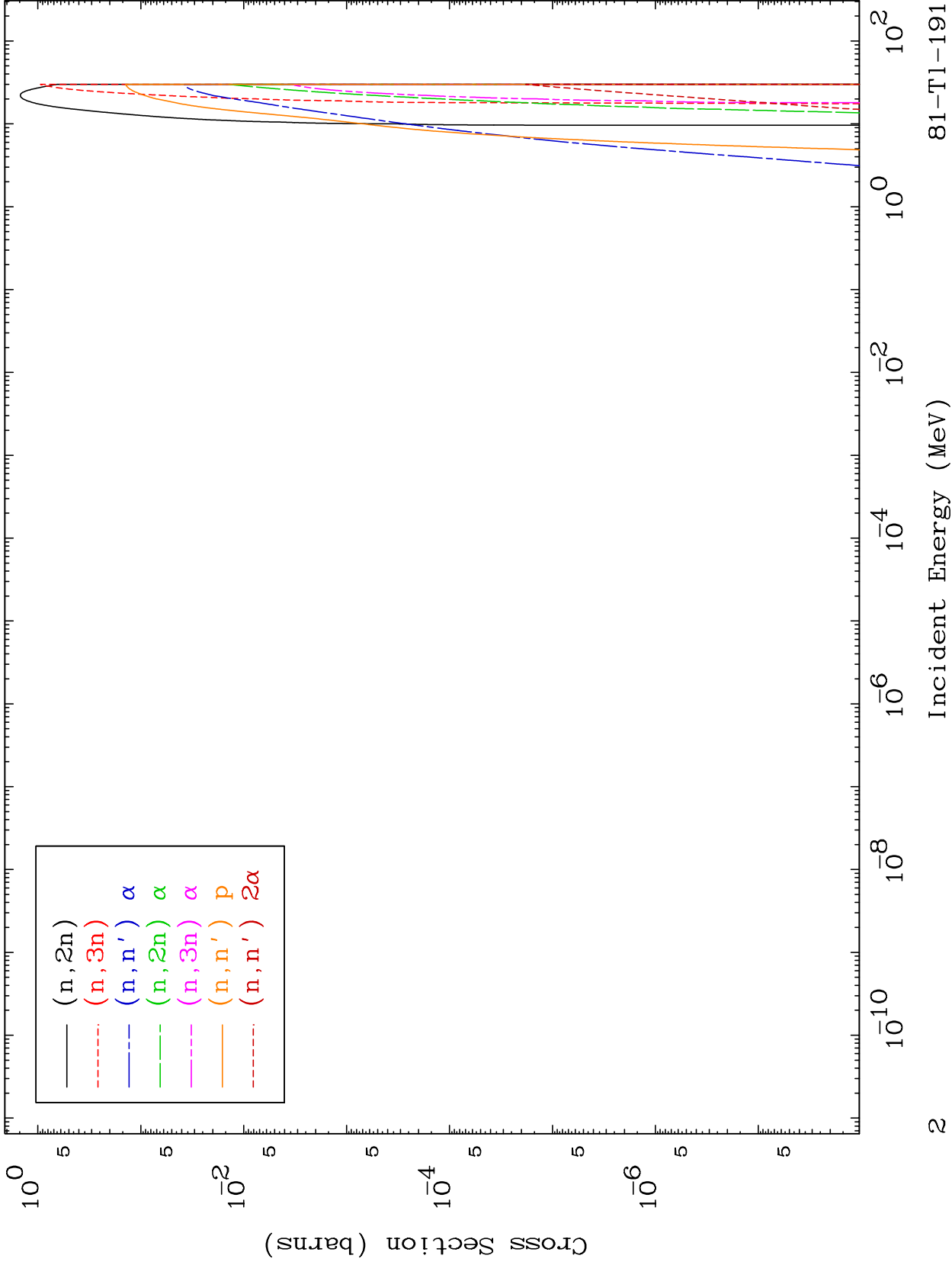
81-Tl-191



MAT 8090

Neutron Production  
293 Kelvin Cross Sections

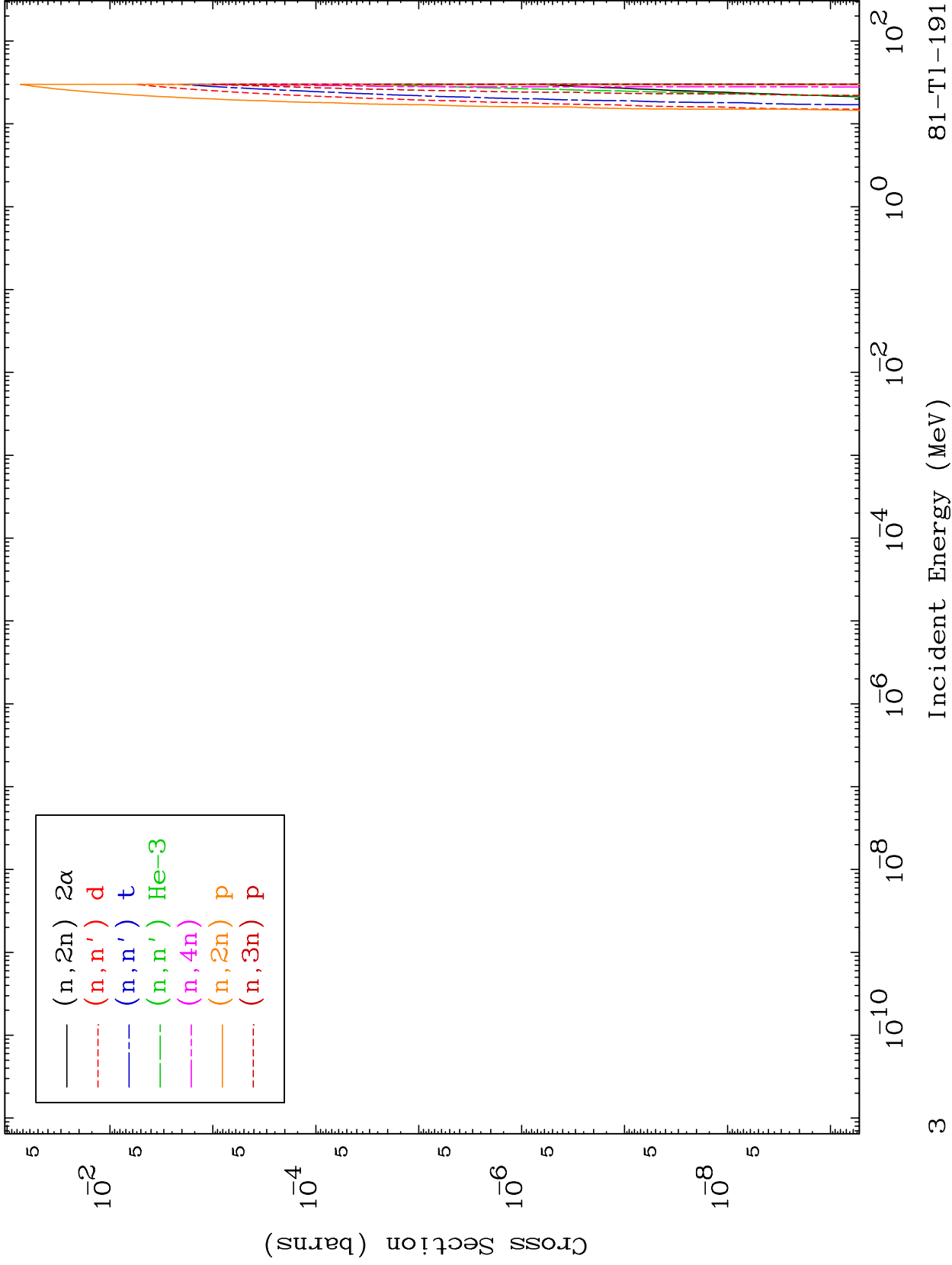
81-Tl-191



MAT 8090

Neutron Production  
293 Kelvin Cross Sections

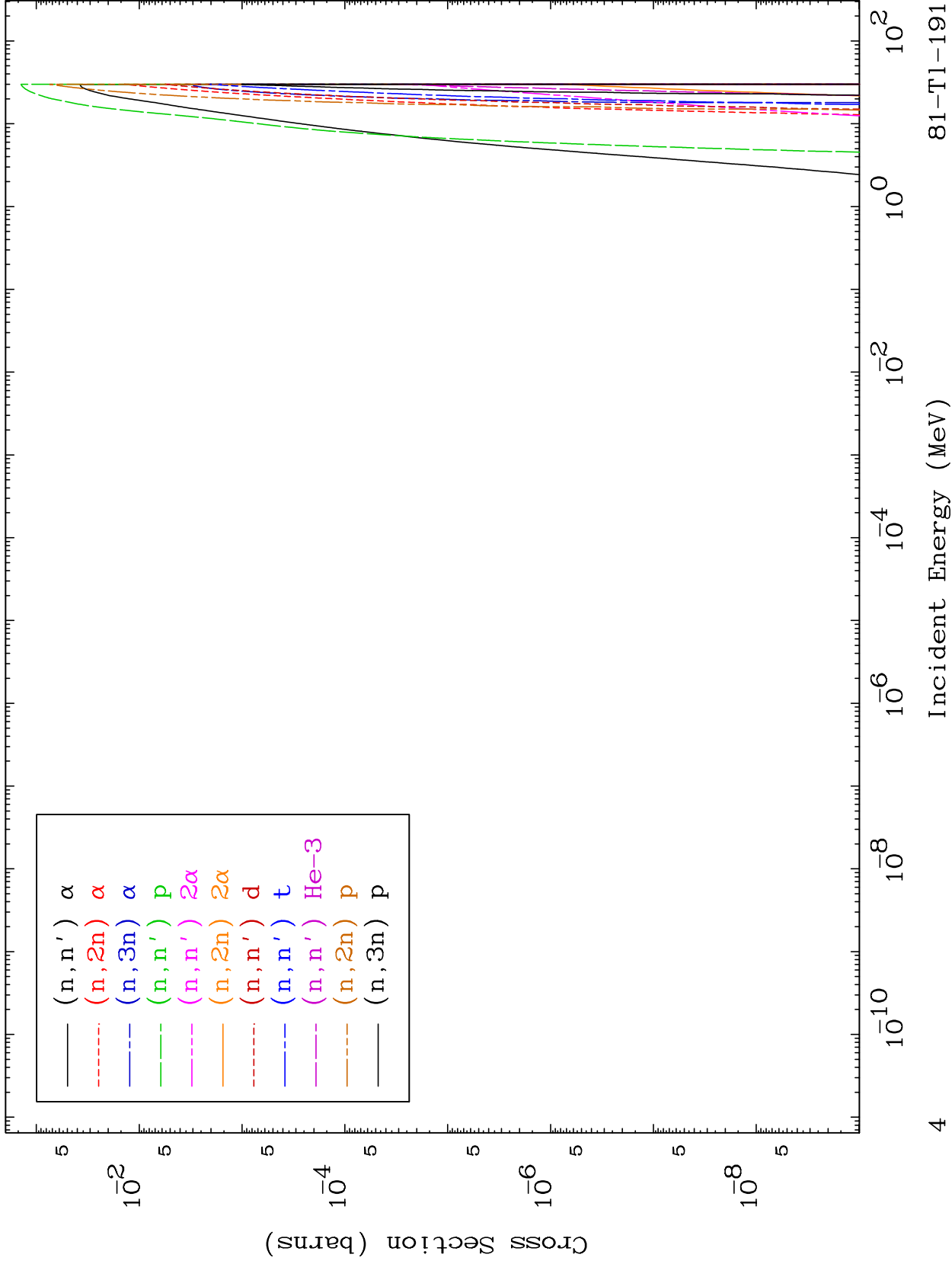
81-Tl-191



MAT 8090

Charged Particle  
293 Kelvin Cross Sections

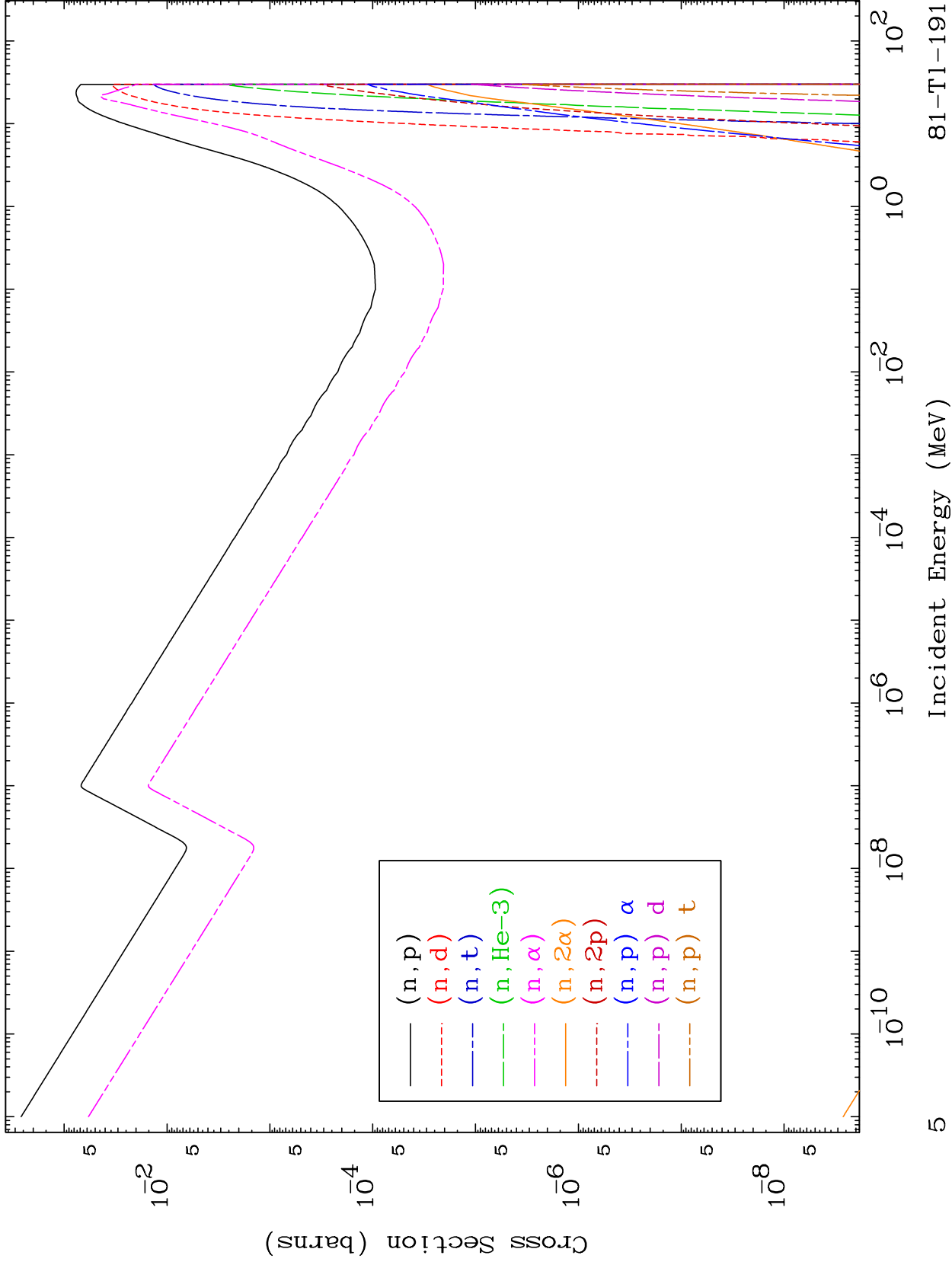
81-Tl-191

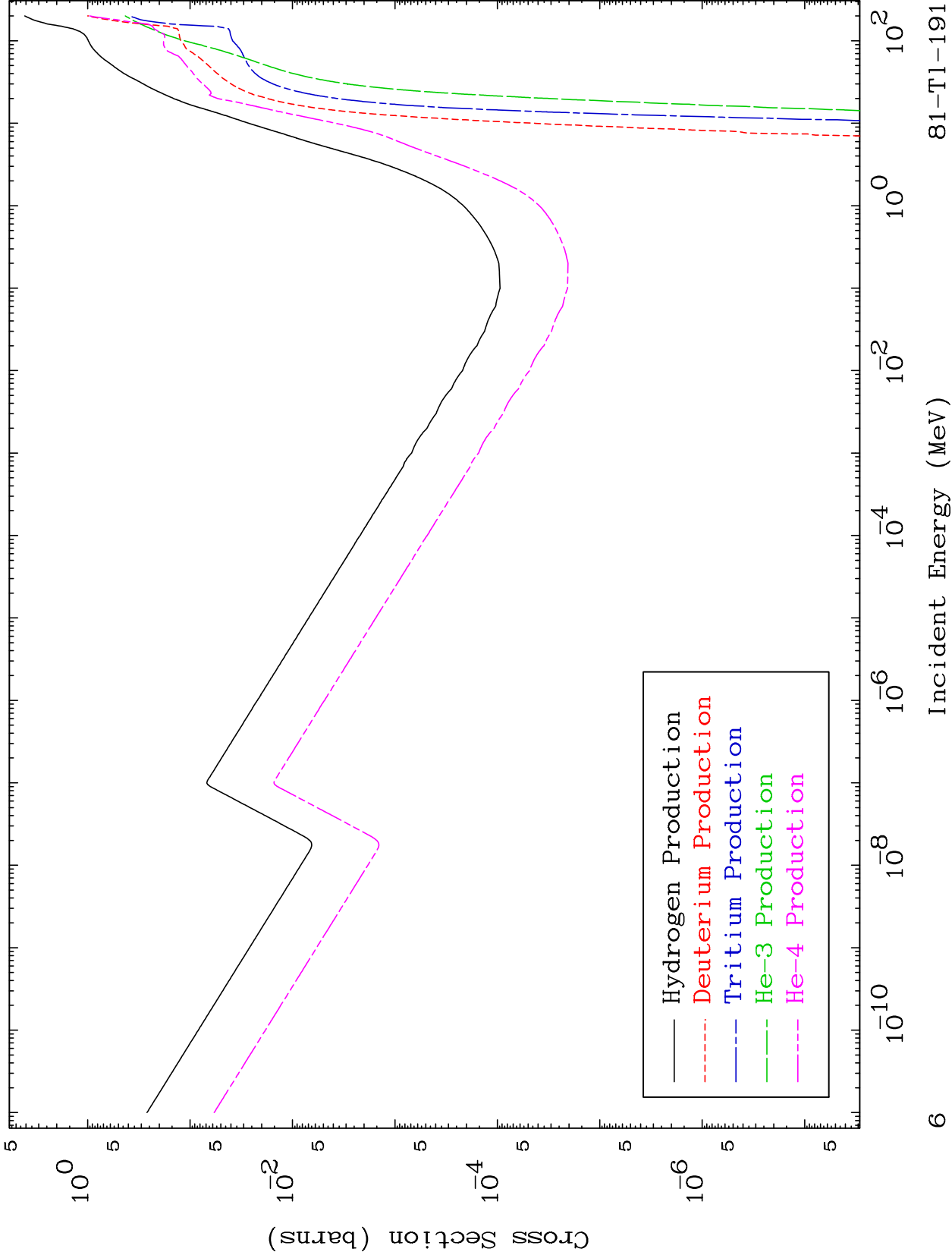


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Charged Particle  
293 Kelvin Cross Sections

81-Tl-191

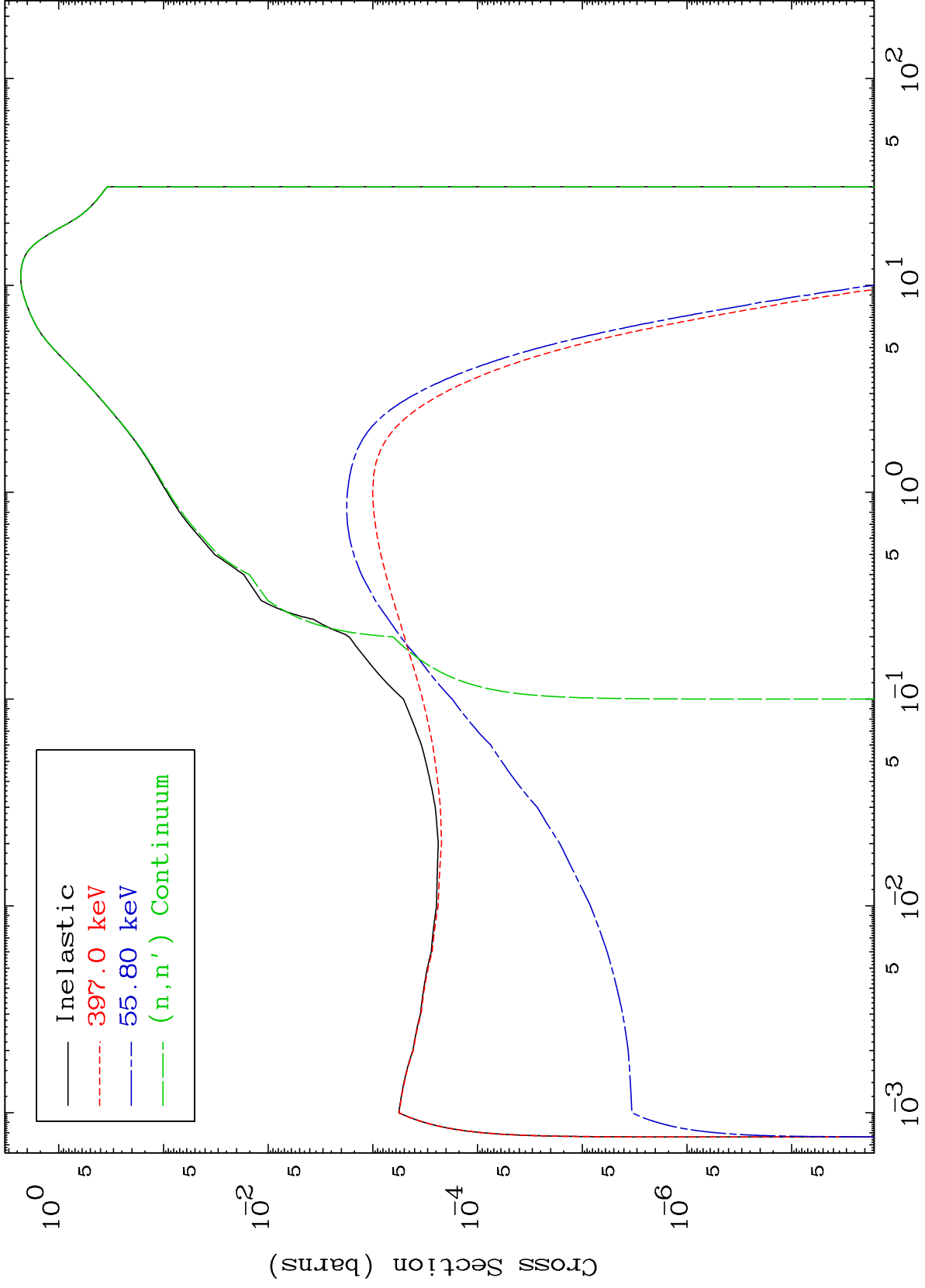




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293 Kelvin Cross Sections  
(n,n') Level

81-Tl-191



7

Incident Energy (MeV)

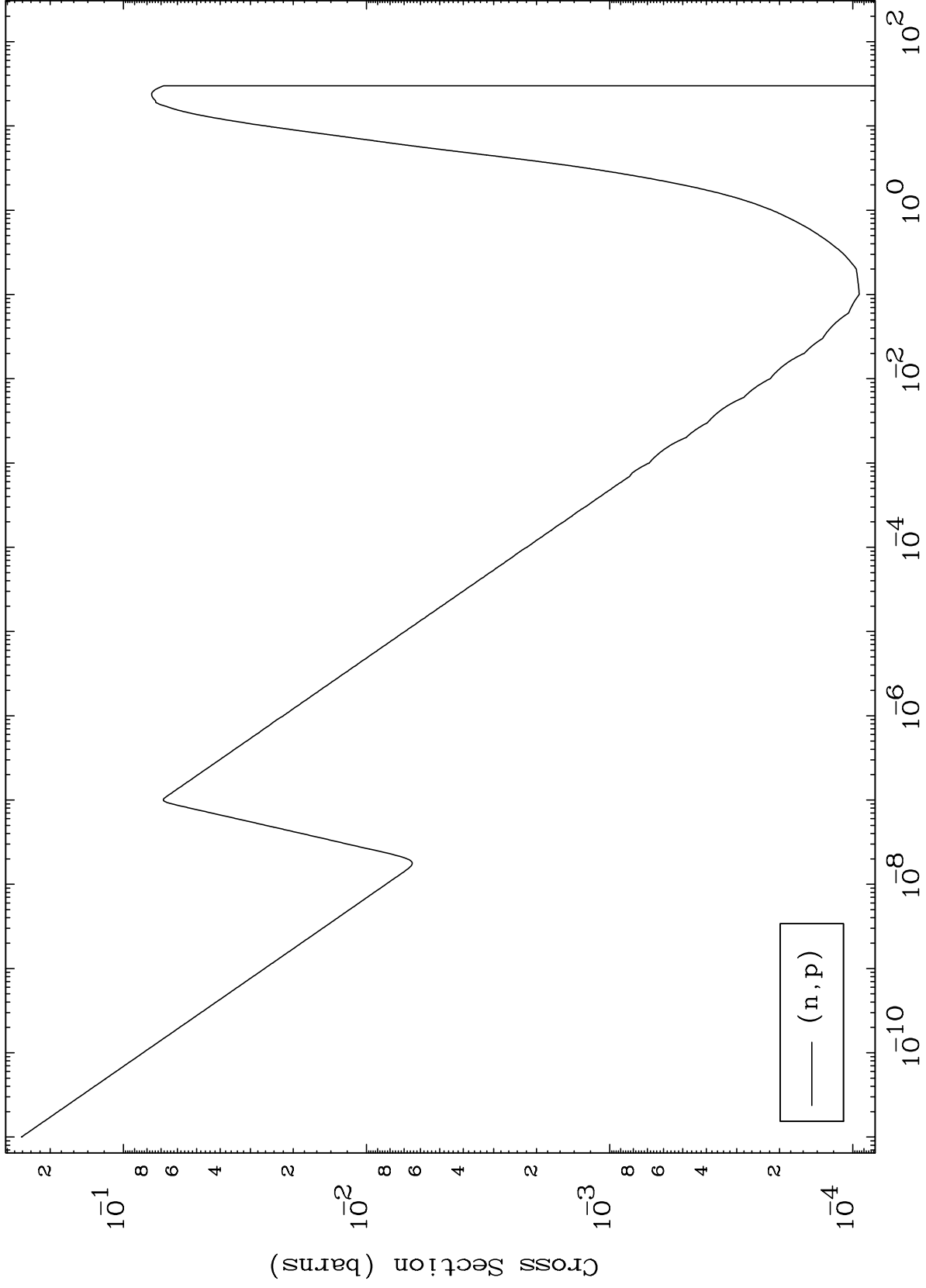
81-Tl-191



MAT 8090

(n,p) Levels  
293 Kelvin Cross Sections

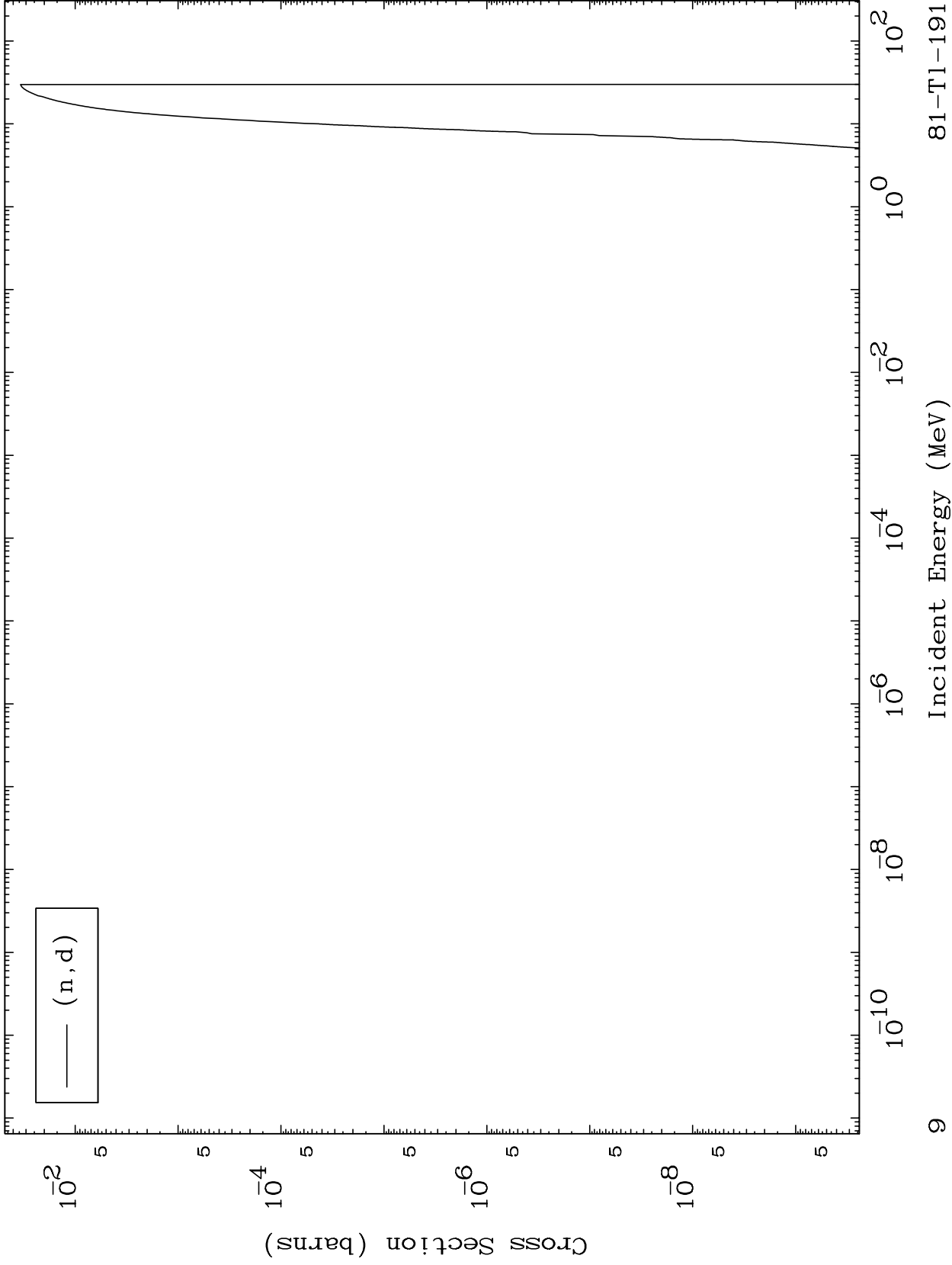
81-Tl-191



MAT 8090

(n,d) Levels  
293 Kelvin Cross Sections

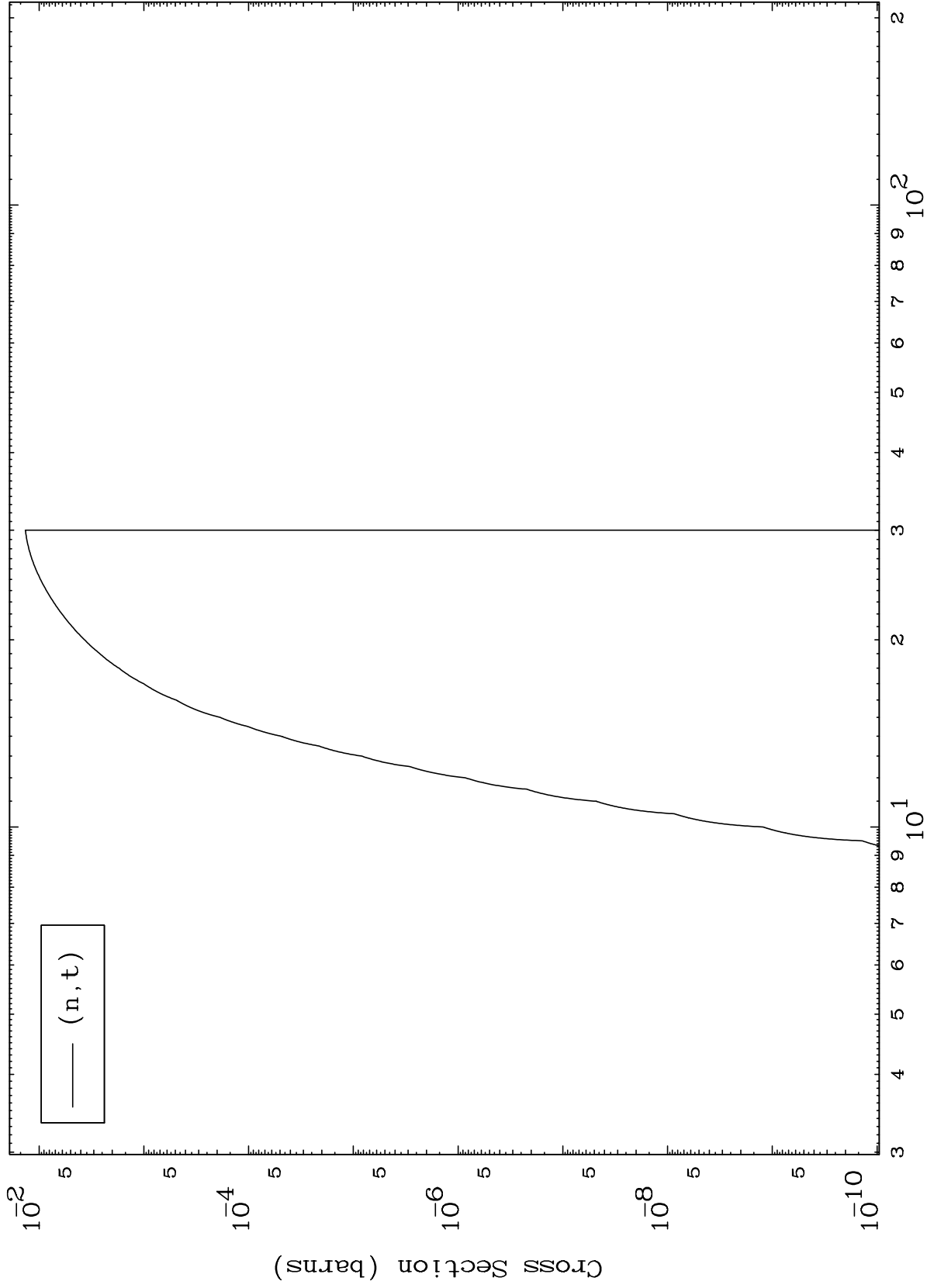
81-Tl-191



MAT 8090

(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-191



10

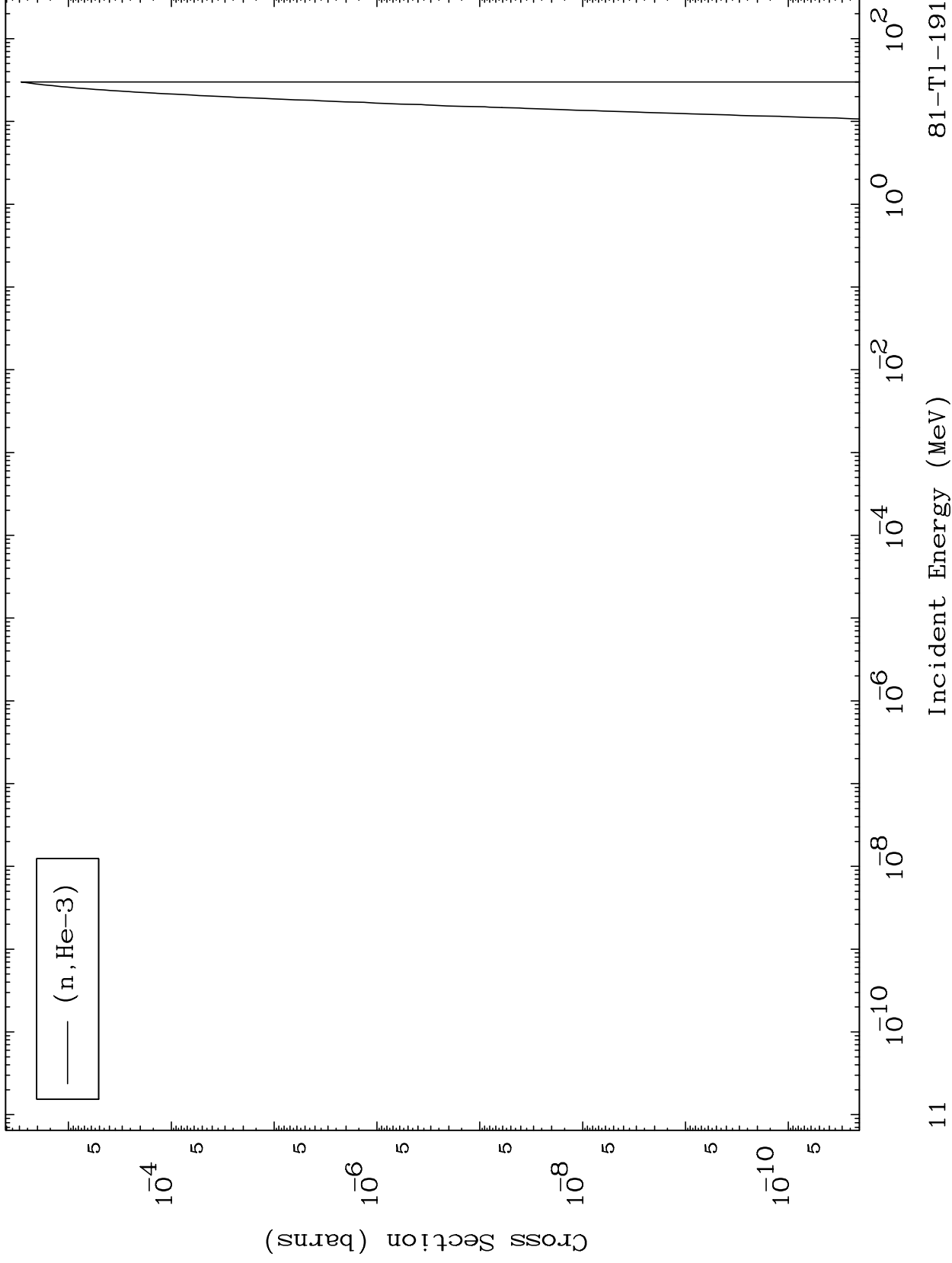
Incident Energy (MeV)

81-Tl-191

MAT 8090

(n,He3) Levels  
293 Kelvin Cross Sections

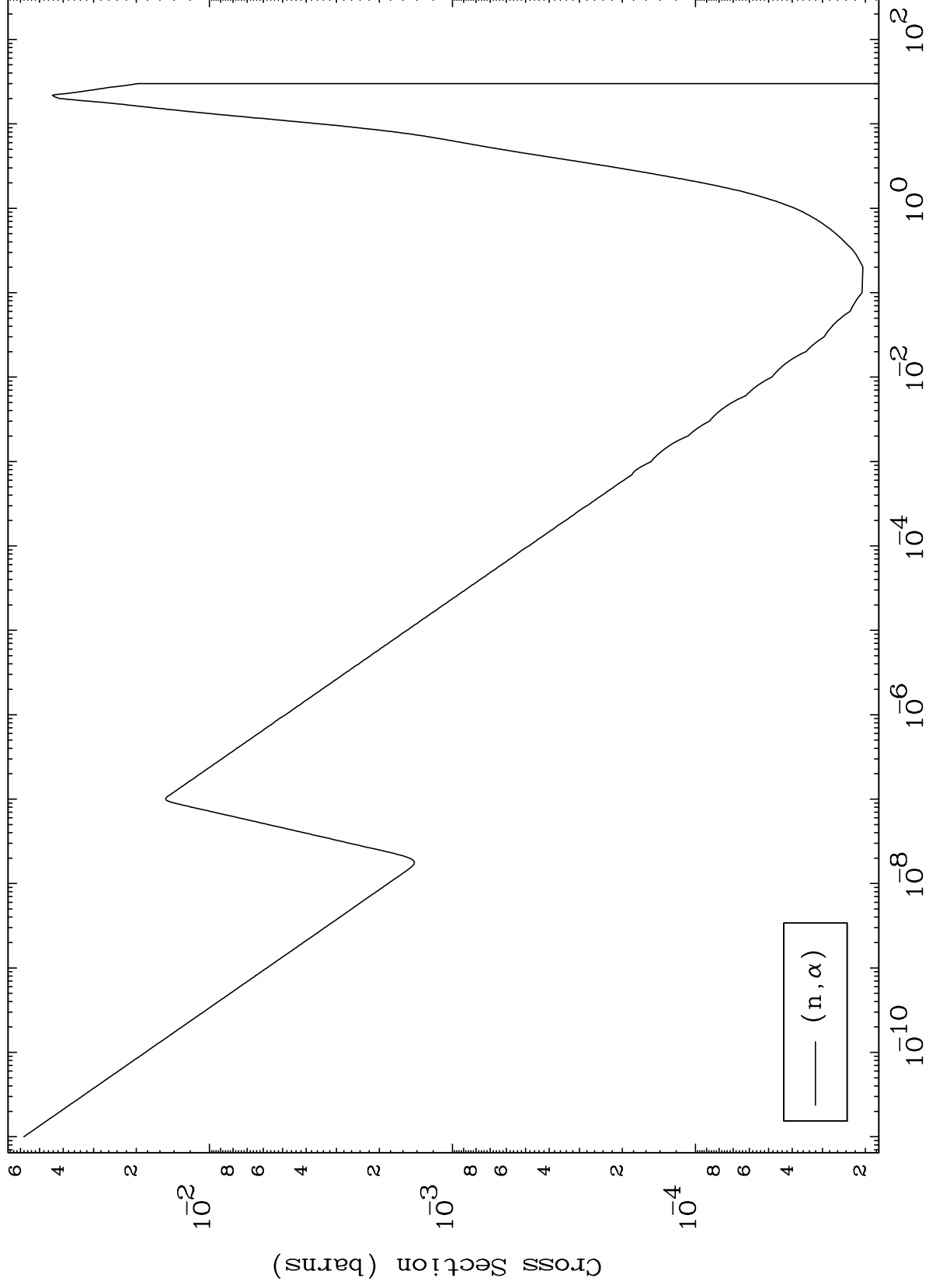
81-Tl-191



MAT 8090

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

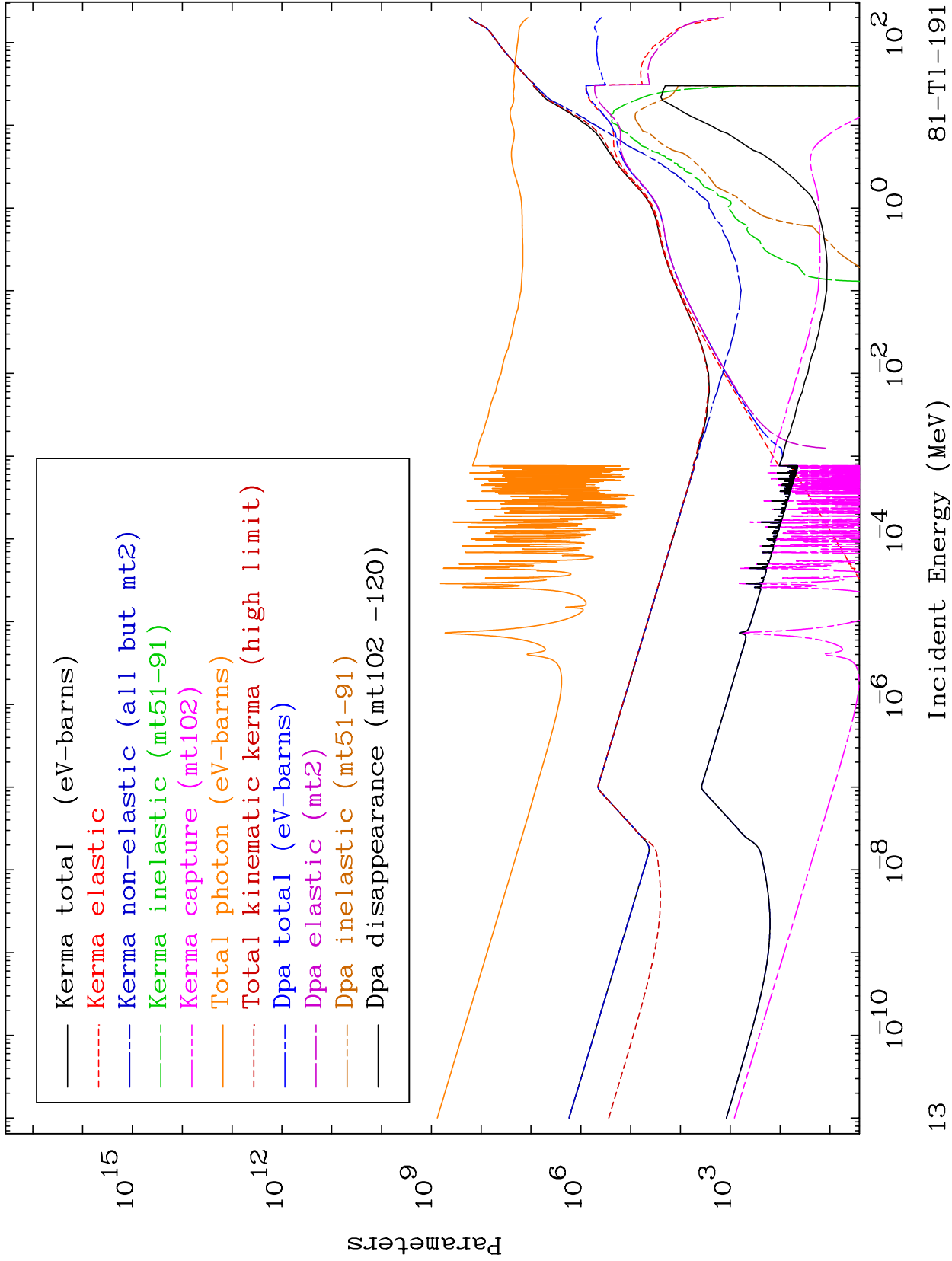
81-Tl-191



12

Incident Energy (MeV)

81-Tl-191

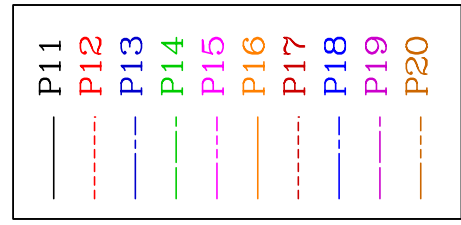




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Elastic Legendre Coefficients

81-Tl-191



$\times 10^{-4}$

Legendre (CM)



15

Incident Energy (MeV)

81-Tl-191

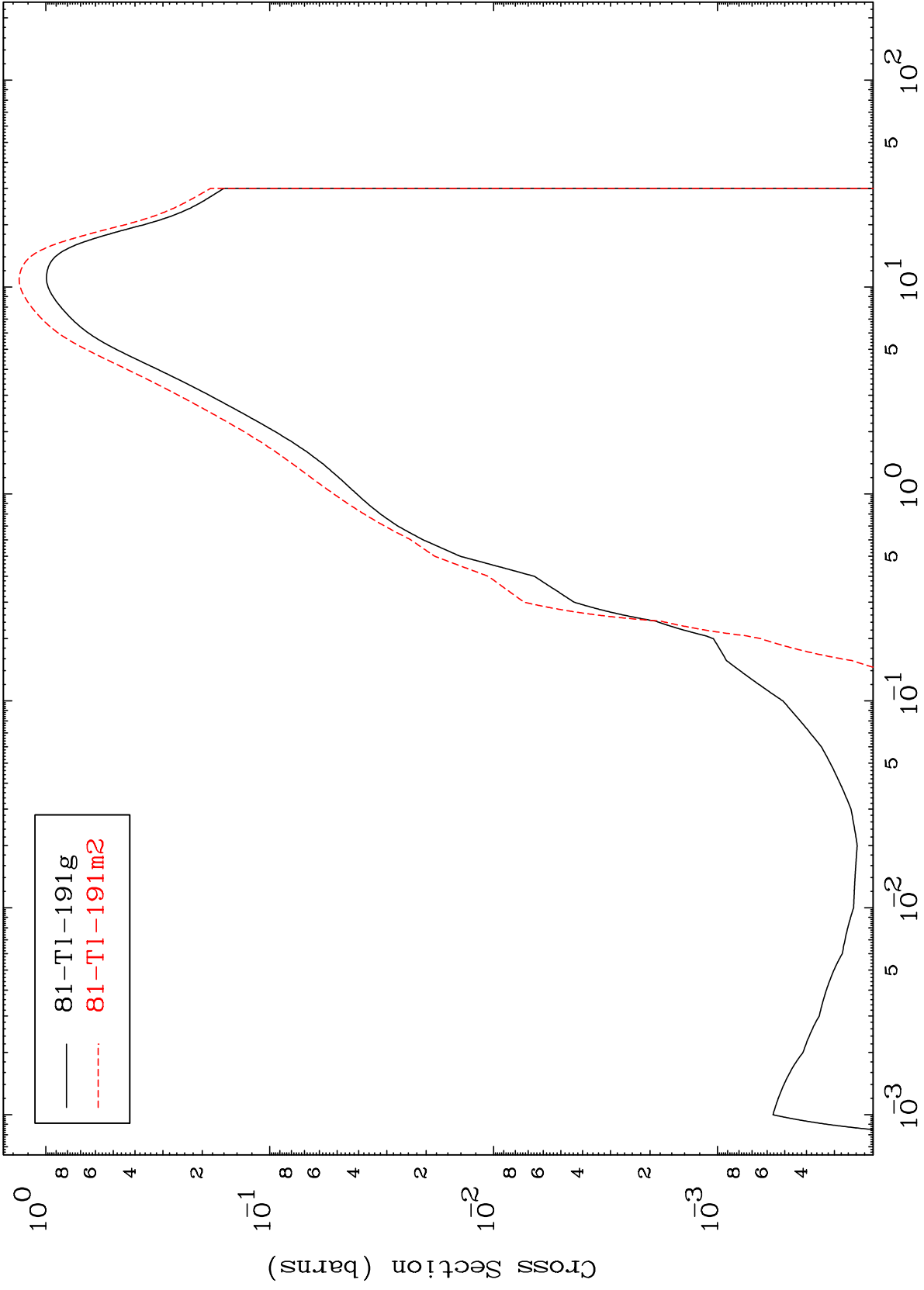




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81-Tl-191

Inelastic  
Radionuclide Production Cross Section



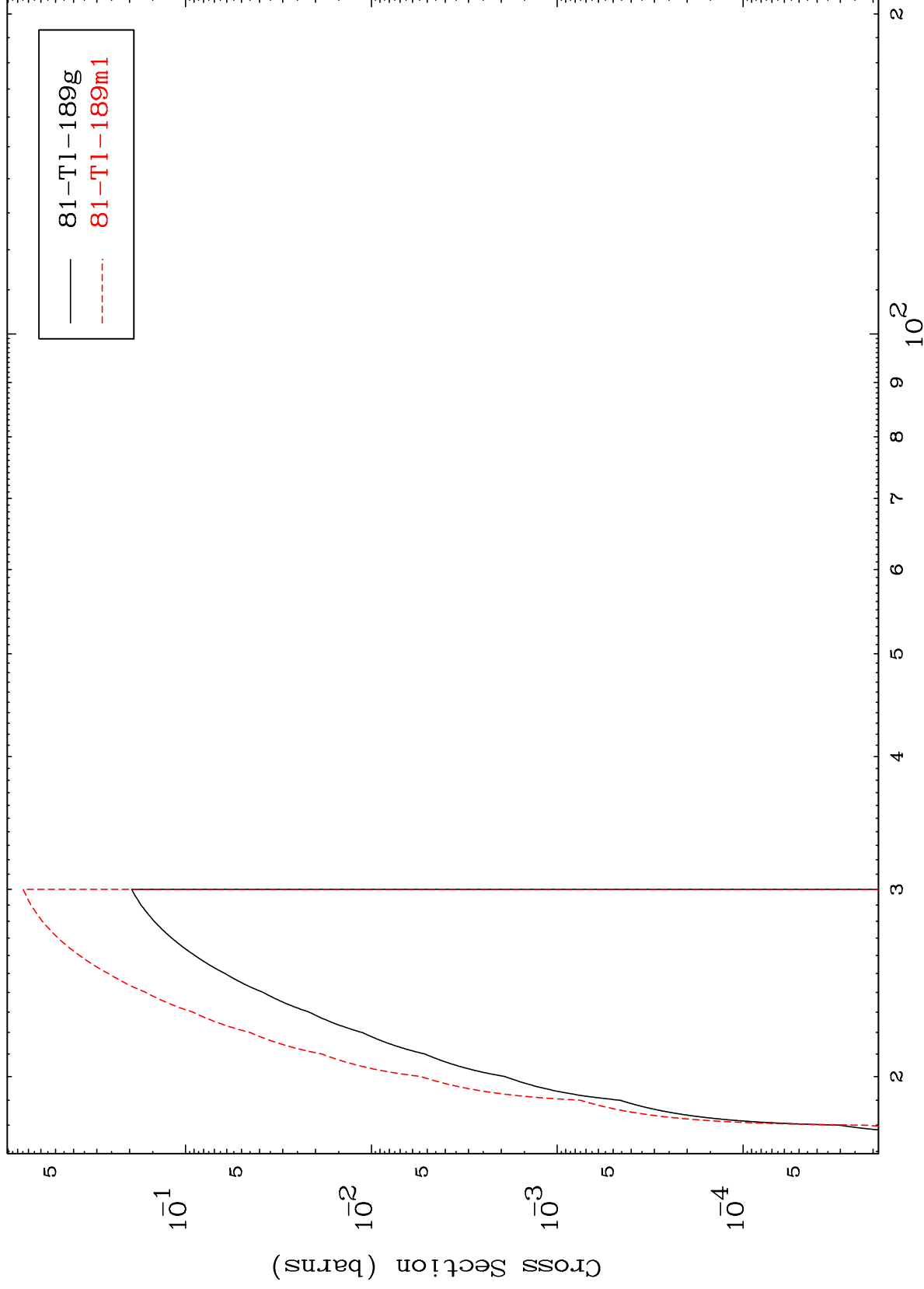
81-Tl-191g  
81-Tl-191m2

81-Tl-191

Incident Energy (MeV)

17

Radionuclide Production Cross Section

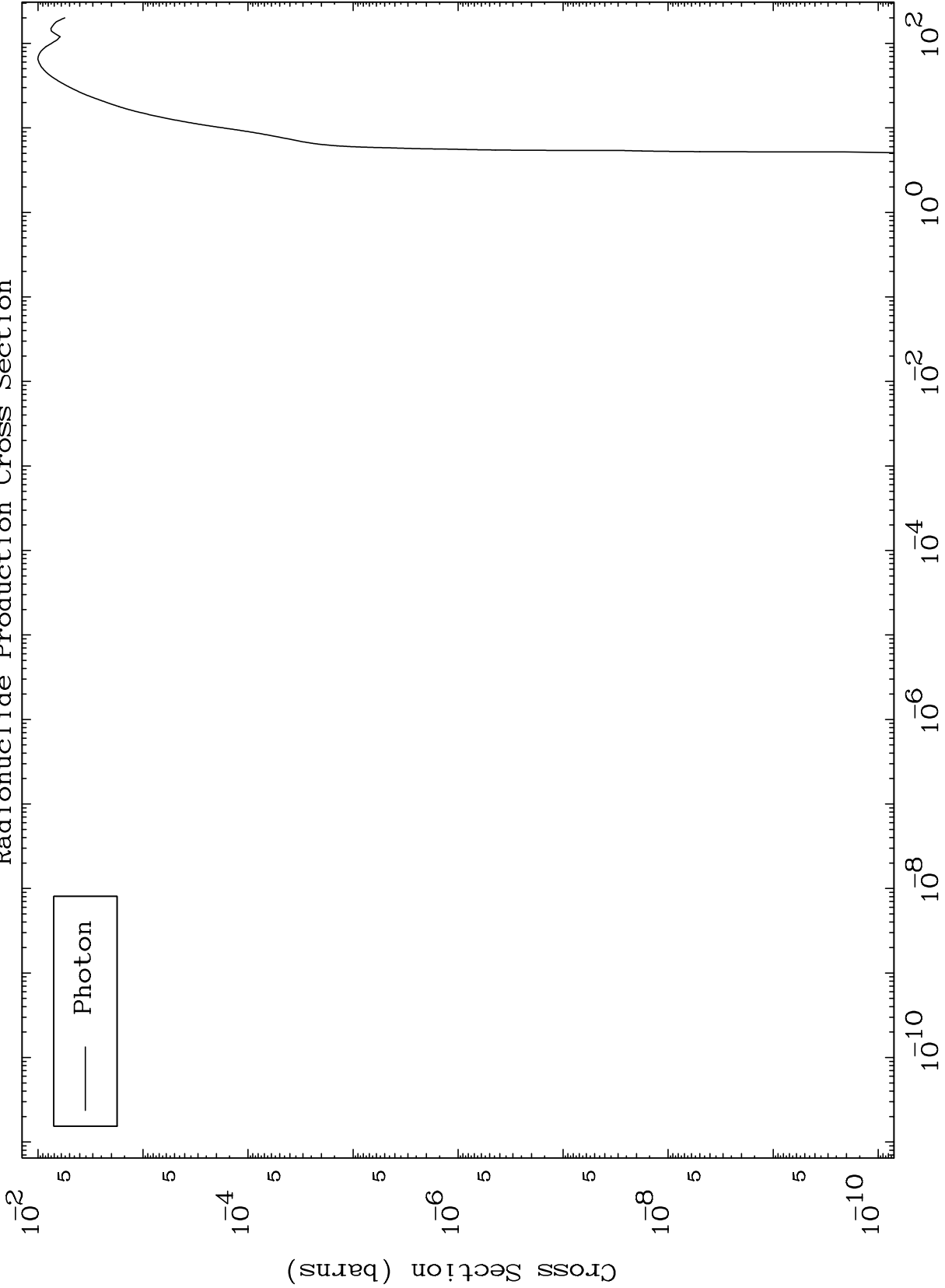


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Fission

81-Tl-191

Radionuclide Production Cross Section



19

Incident Energy (MeV)

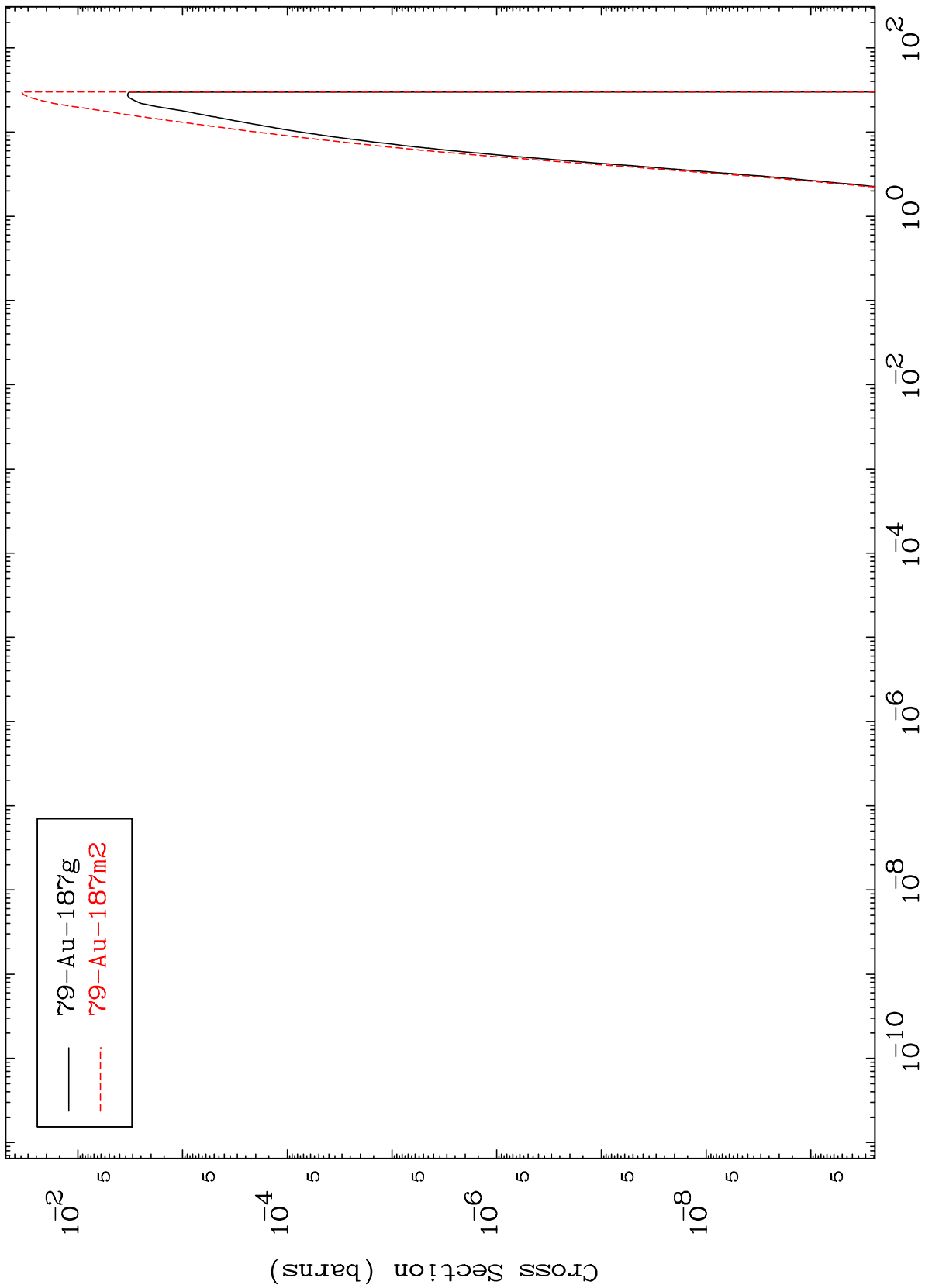
81-Tl-191

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$(n, n') \alpha$

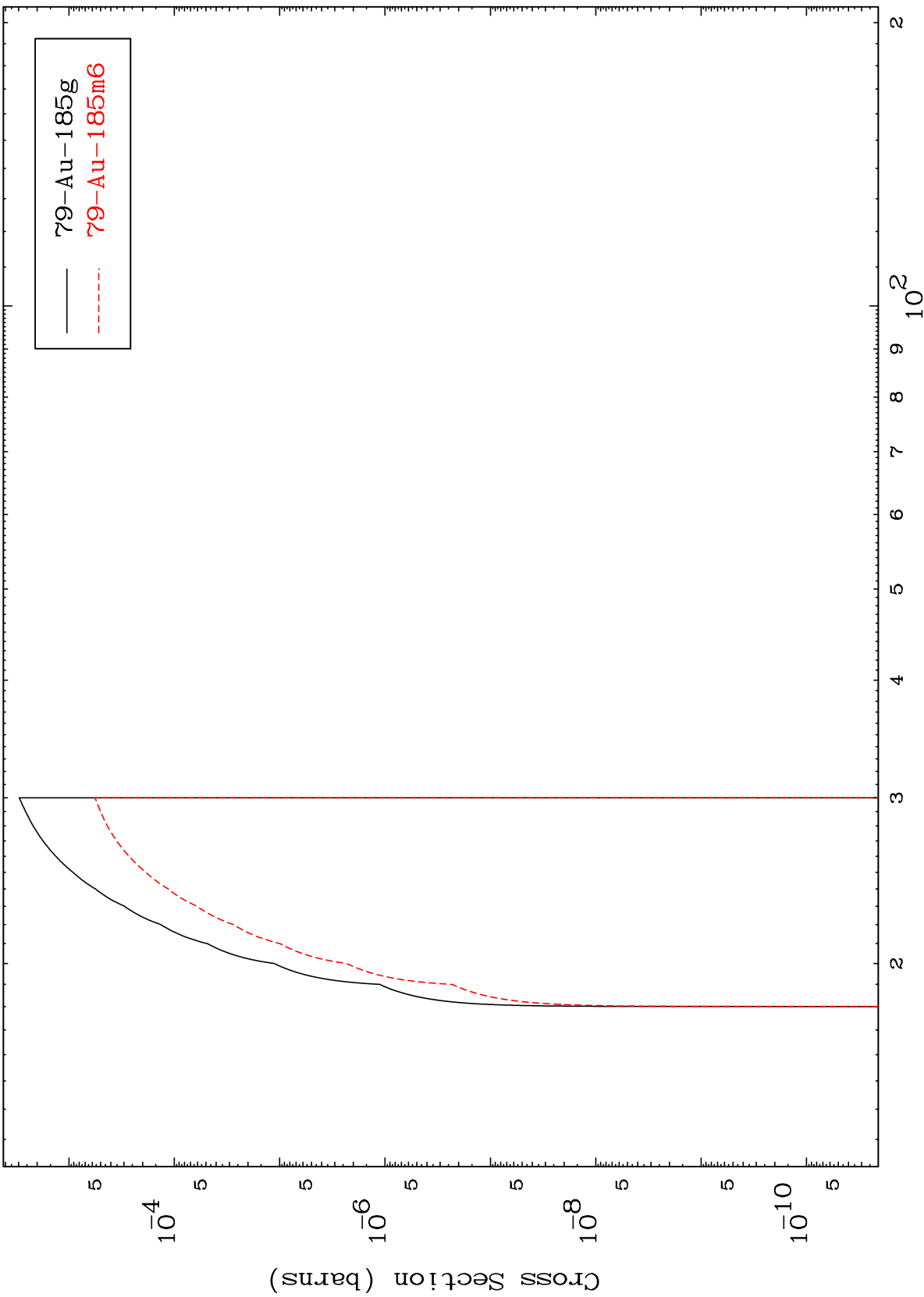
81-Tl-191

Radionuclide Production Cross Section



—  $^{187}\text{Au}$   
- - -  $^{187\text{m}2}\text{Au}$

Radionuclide Production Cross Section

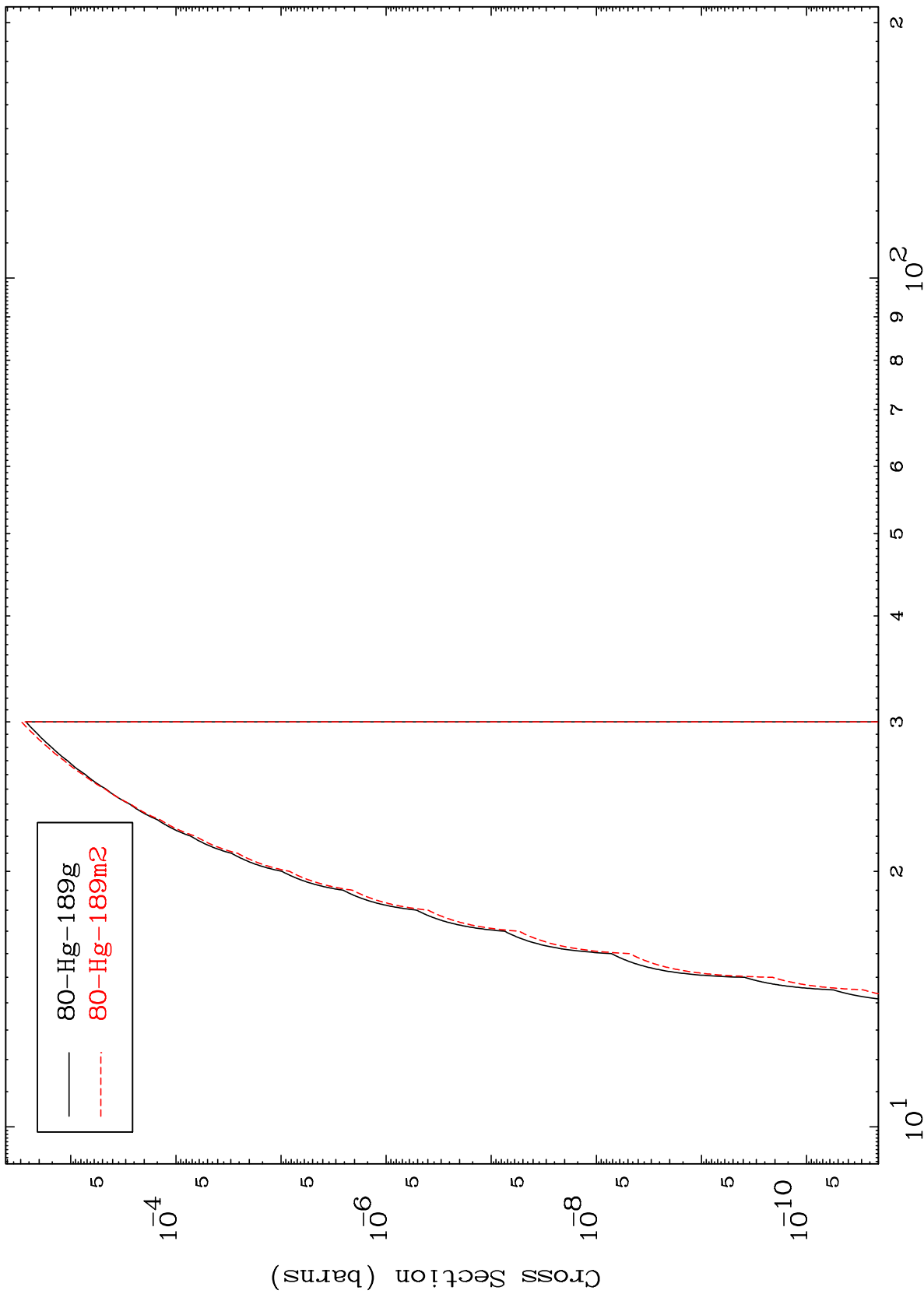


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(n,n') d

81-Tl-191

Radionuclide Production Cross Section



22

Incident Energy (MeV)

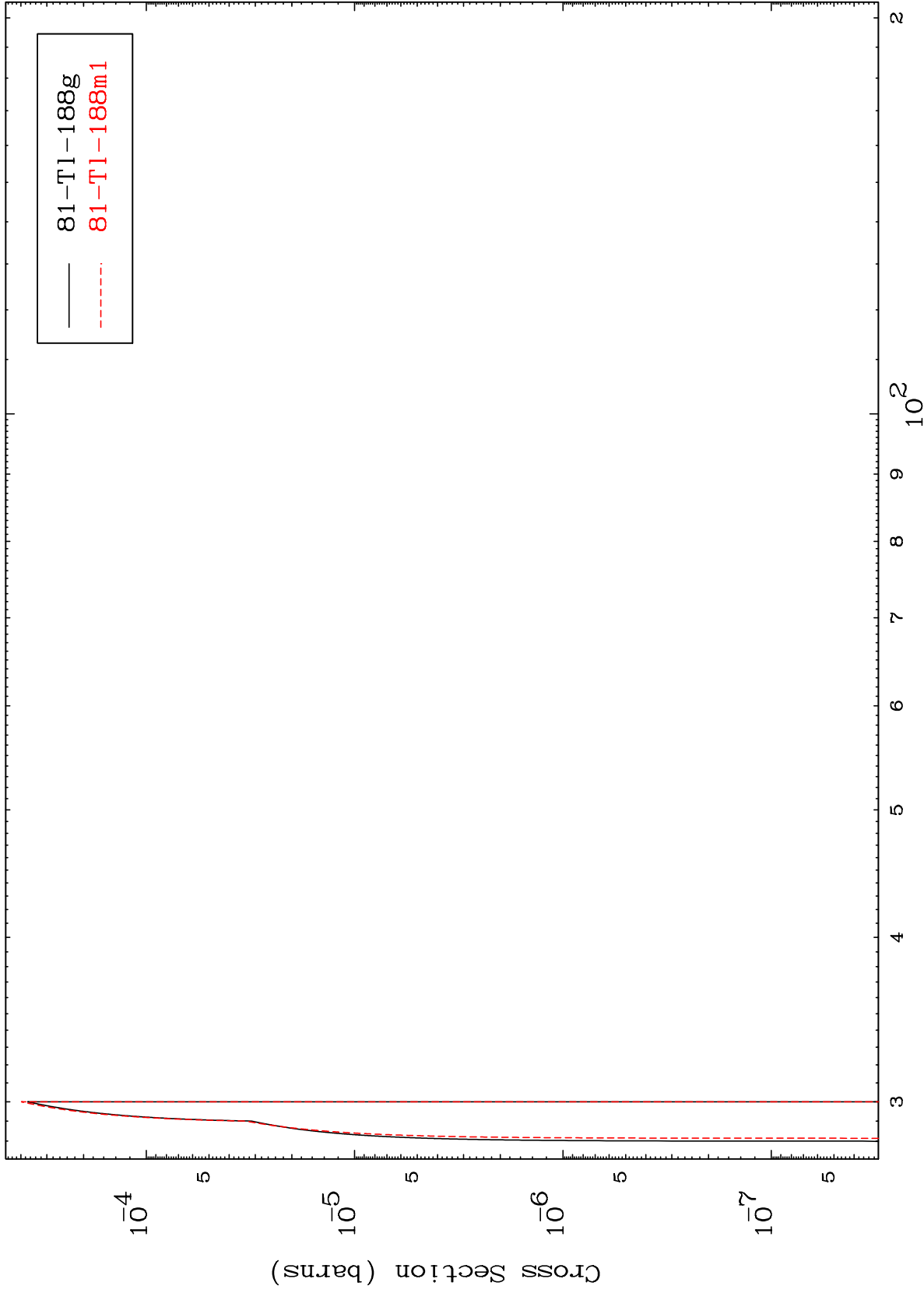
81-Tl-191

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(n,4n)

81-Tl-191

Radionuclide Production Cross Section



23

Incident Energy (MeV)

81-Tl-191

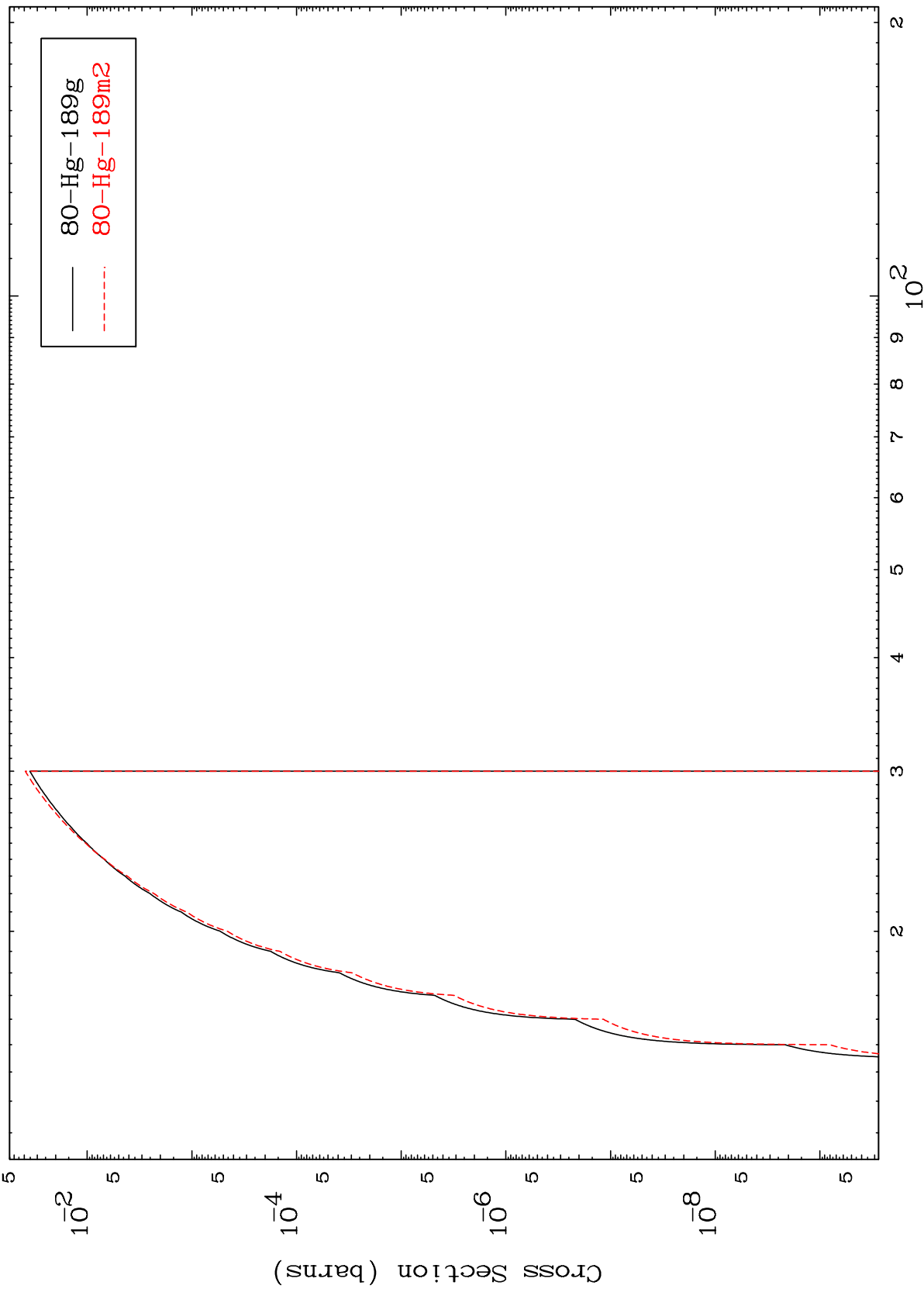


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(n,2n) p

81-Tl-191

Radionuclide Production Cross Section



24

Incident Energy (MeV)

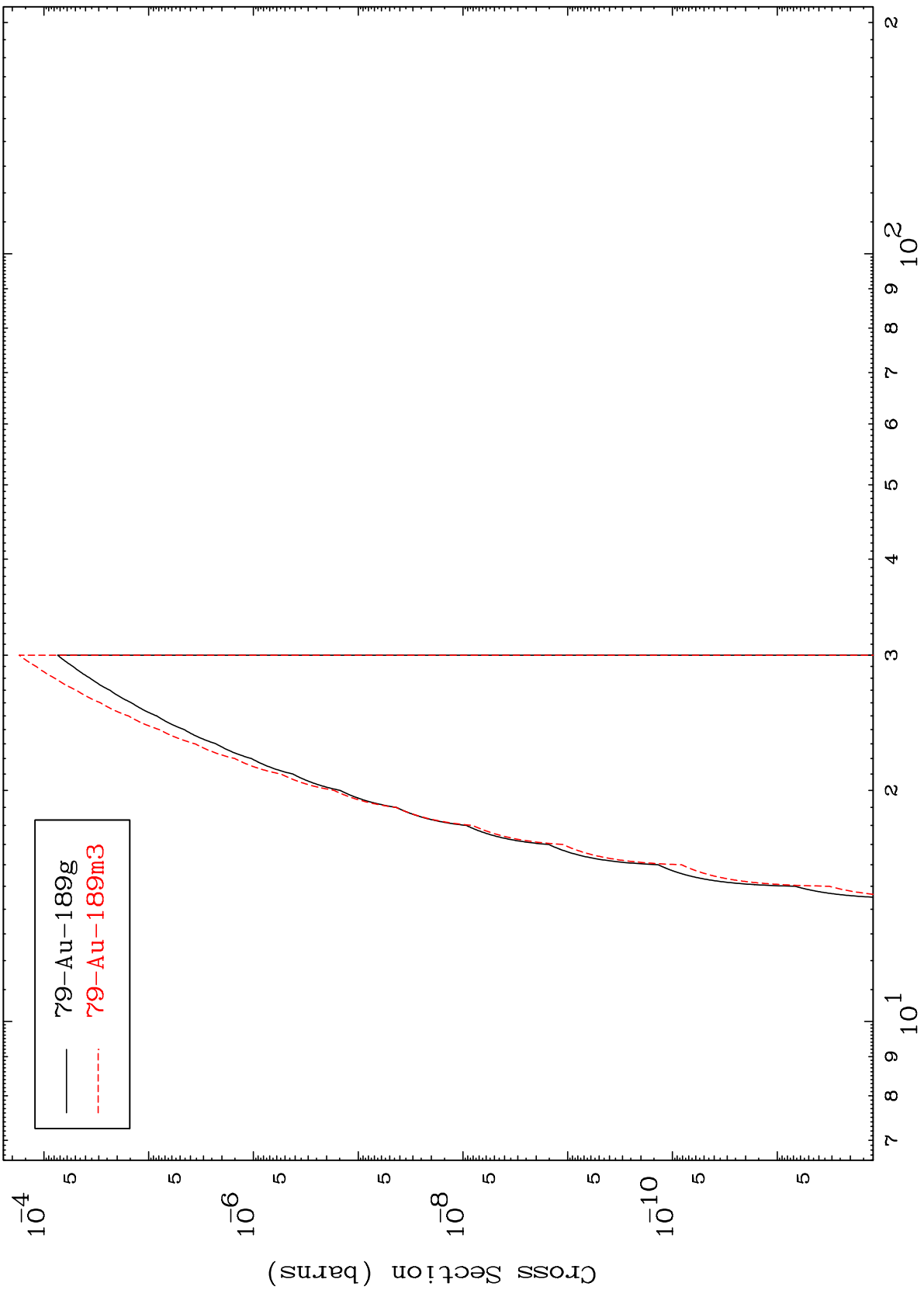
81-Tl-191

MAT 8090

(n,2n) p

81-Tl-191

Radionuclide Production Cross Section



25

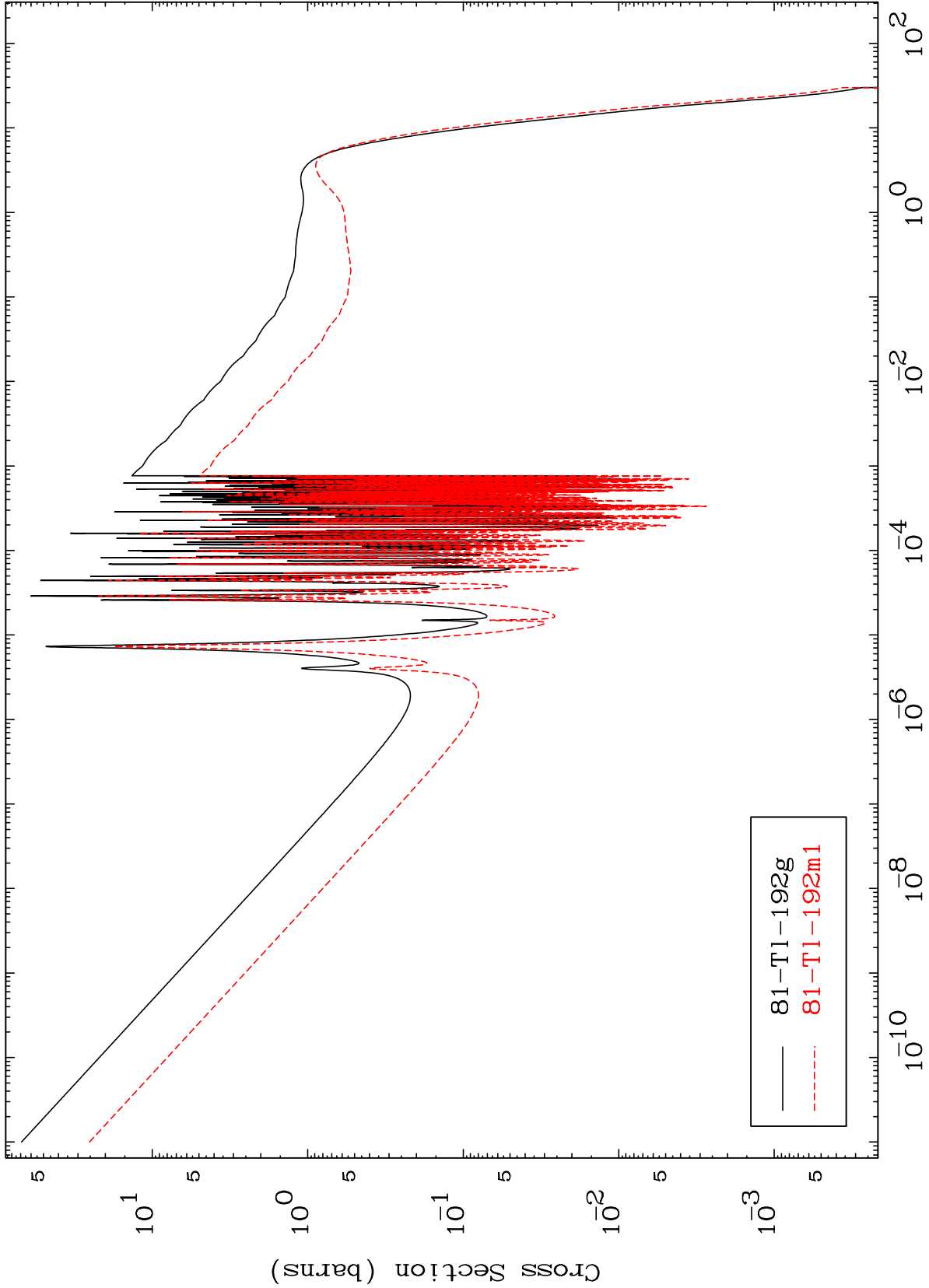
Incident Energy (MeV)

81-Tl-191

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81-Tl-191

(n,γ)  
Radionuclide Production Cross Section



— 81-Tl-192g  
- - - 81-Tl-192m1

81-Tl-191

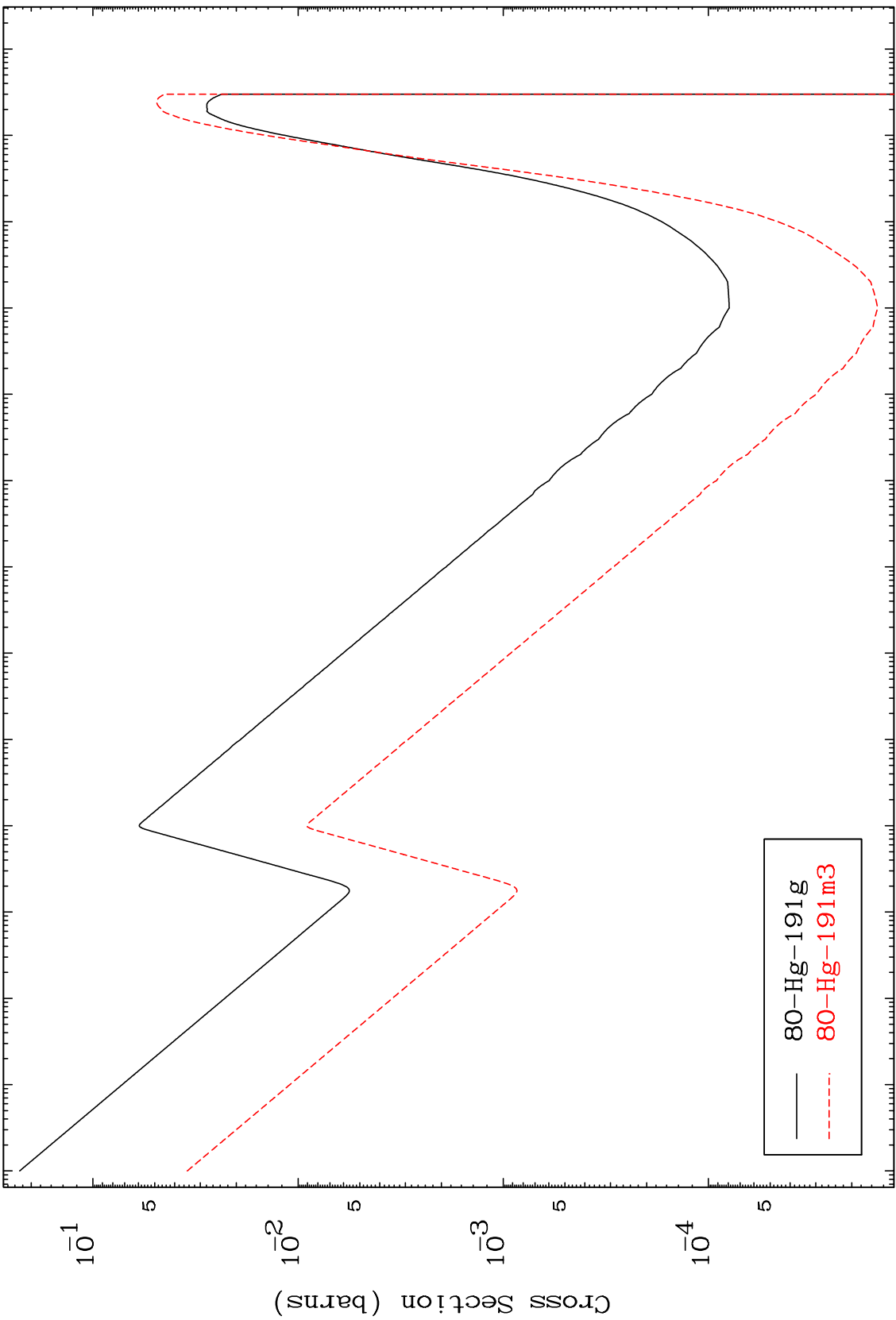
Incident Energy (MeV)

26

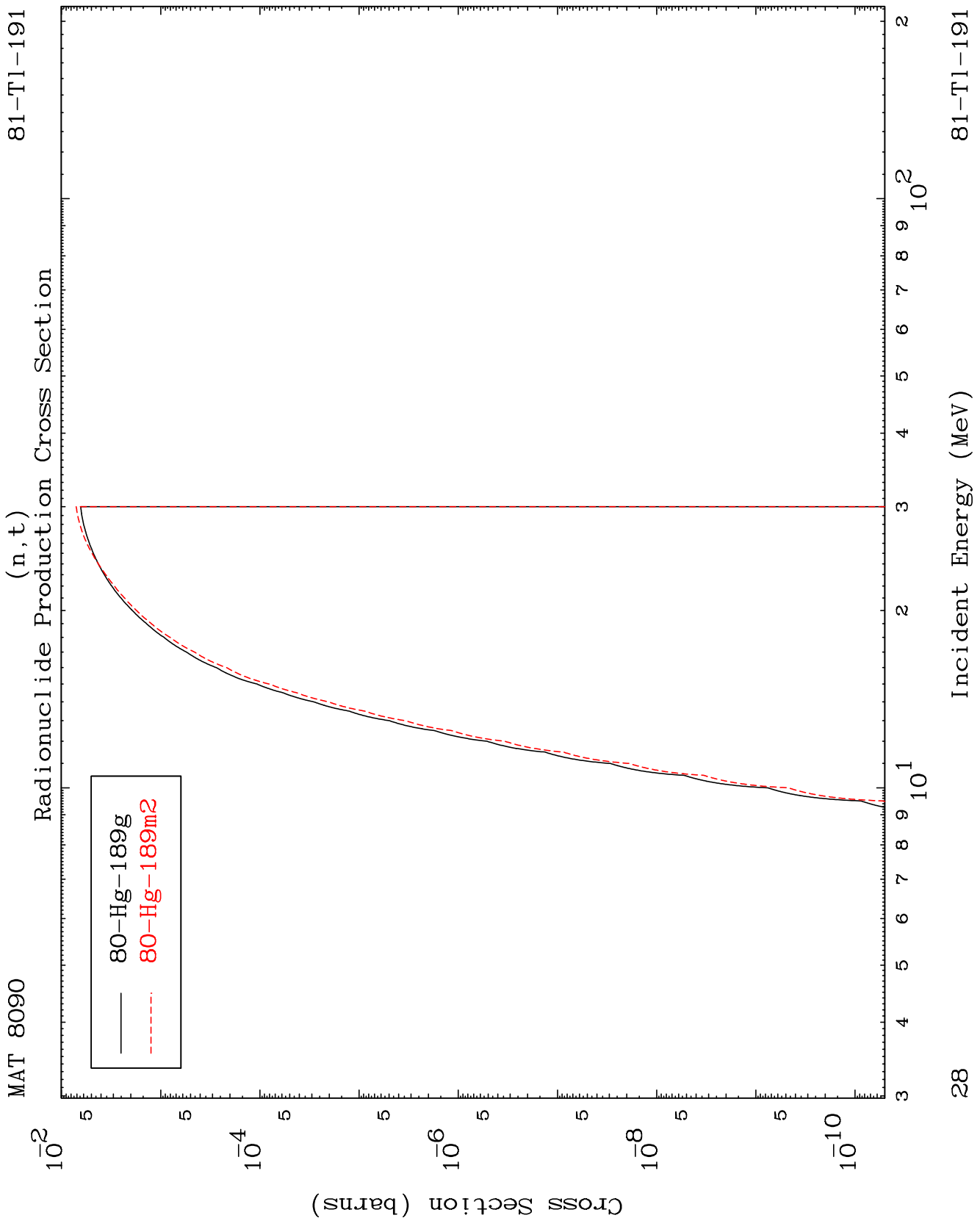
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81-Tl-191

Radionuclide Production Cross Section (n,p)



— 80-Hg-191g  
- - - 80-Hg-191m3

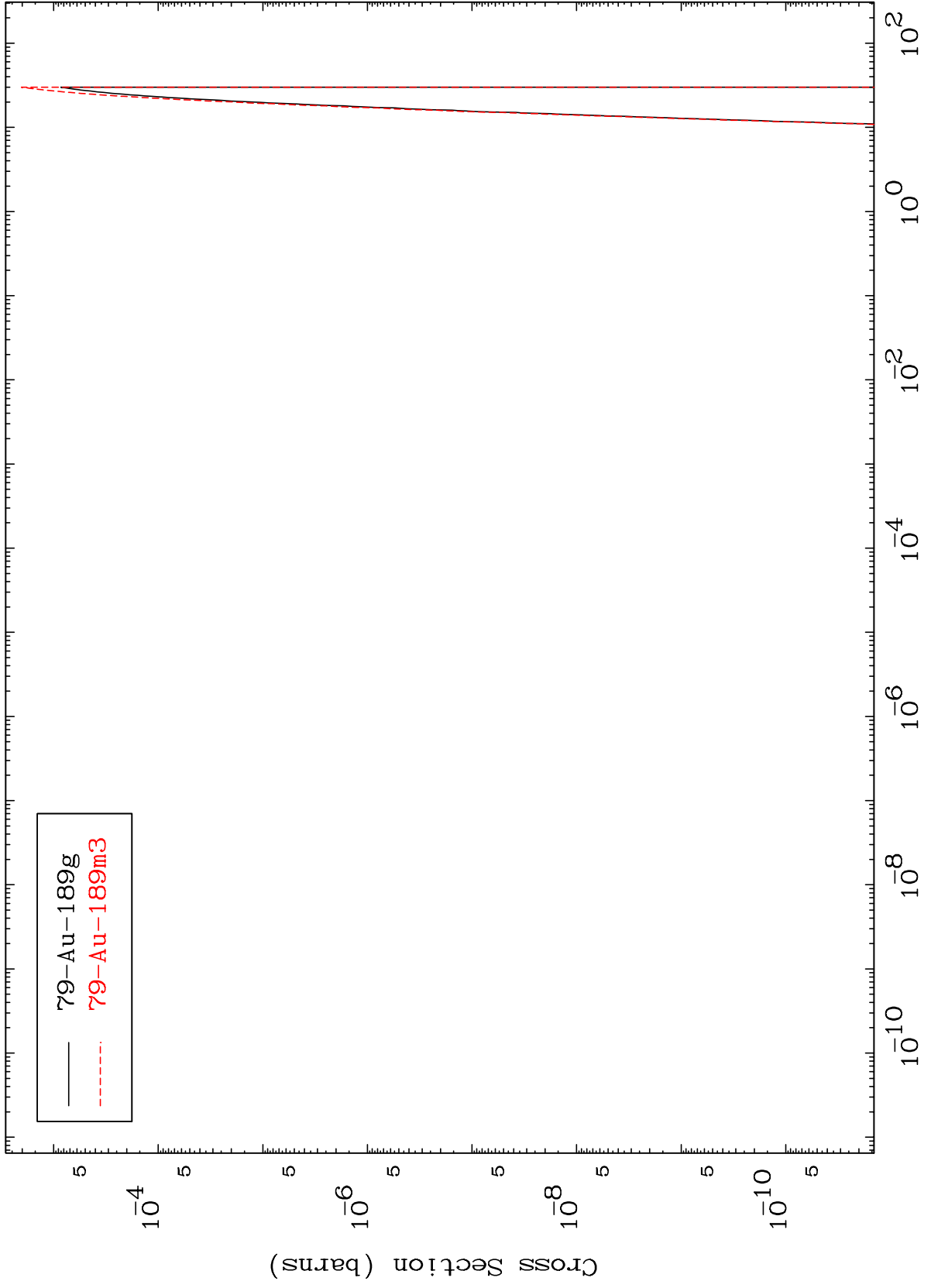


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(n,He-3)

81-Tl-191

Radionuclide Production Cross Section



29

Incident Energy (MeV)

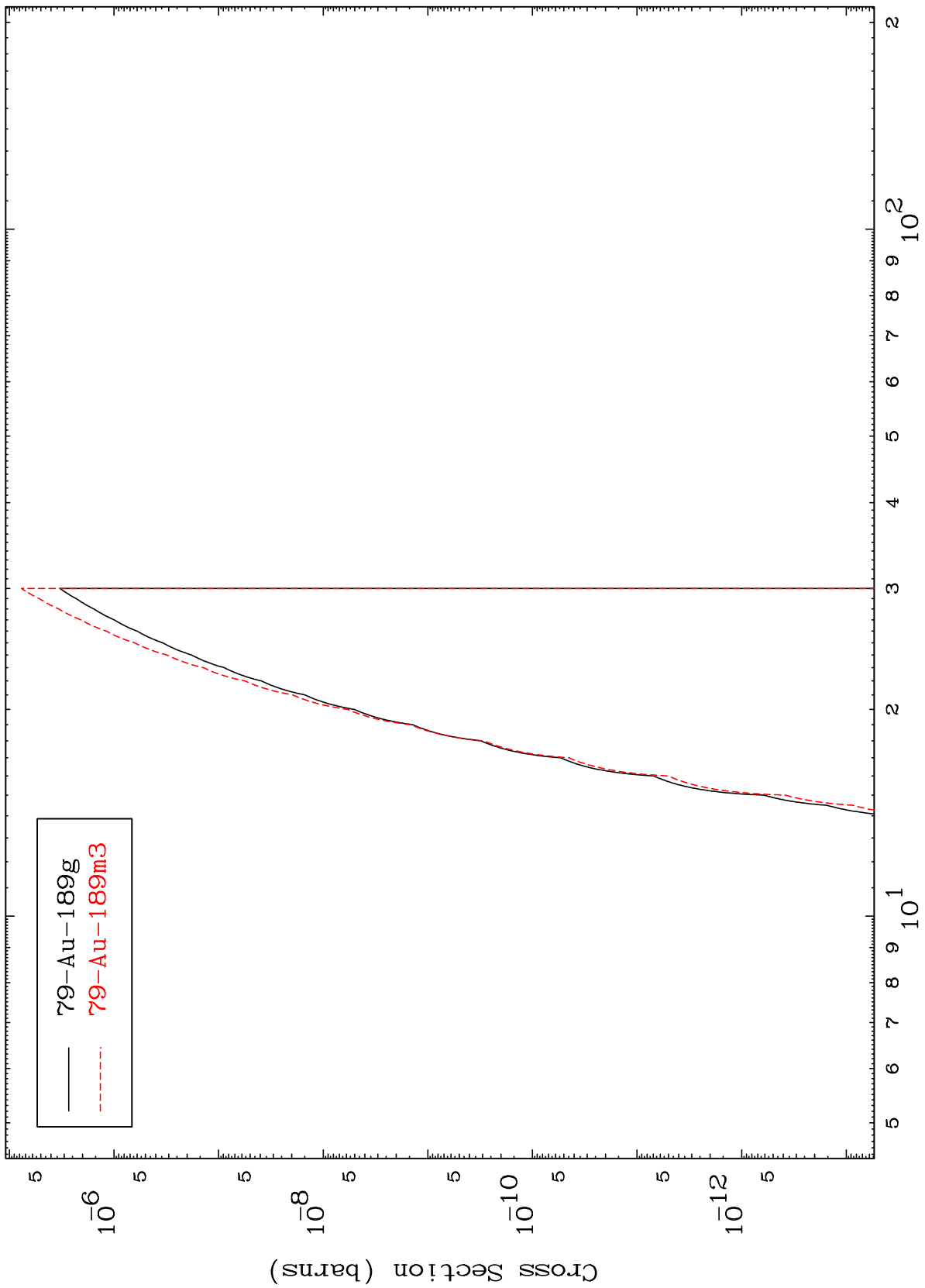
81-Tl-191

MAT 8090

(n,p) d

81-Tl-191

Radionuclide Production Cross Section



30

Incident Energy (MeV)

81-Tl-191