

Program EVALPLOT  
(Version 2021-1)

by

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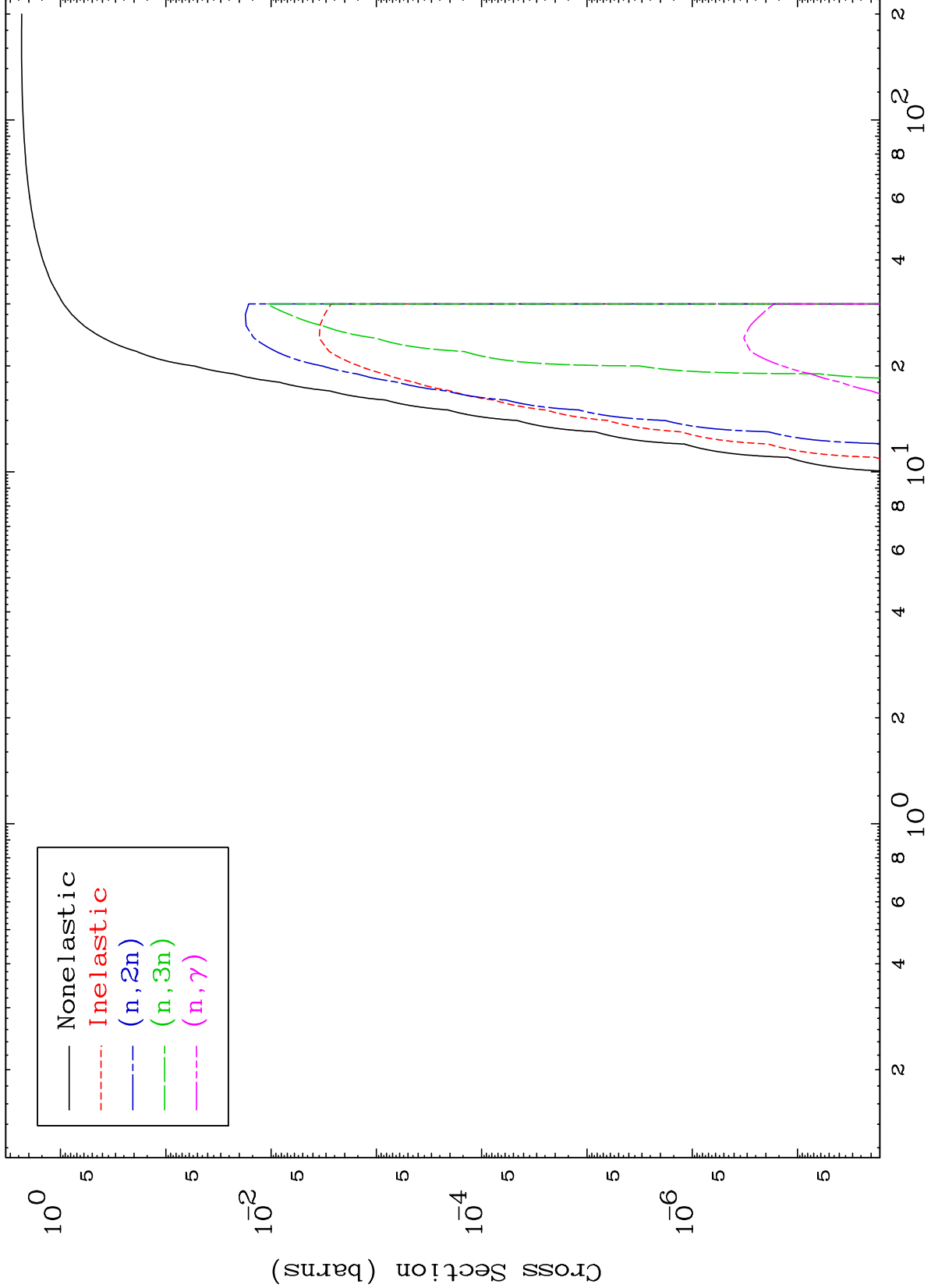
Press Mouse Button to Start

MAT 7902

He-3 Major

79-Au-189m

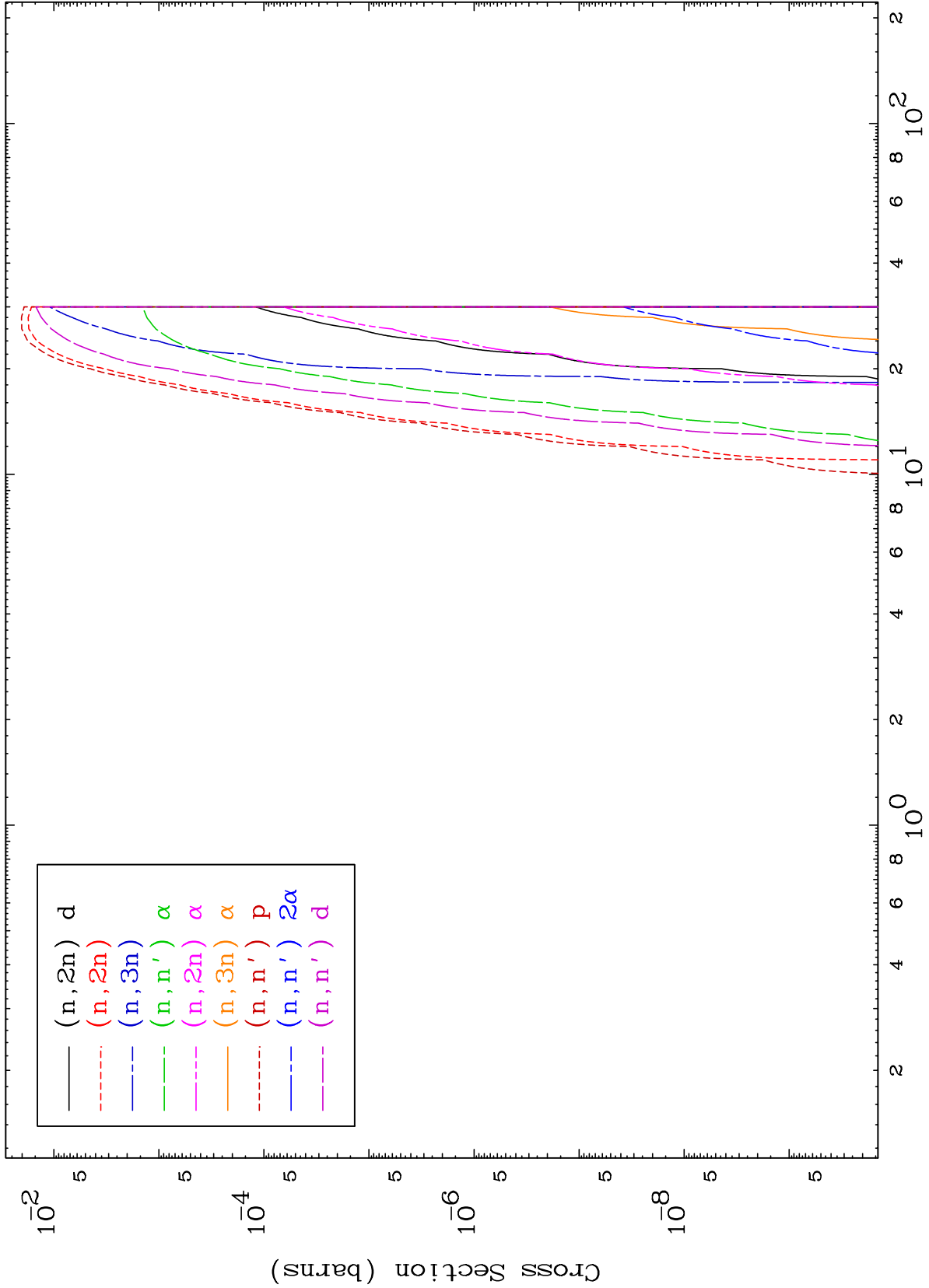
0 Kelvin Cross Sections



MAT 7902

He-3 Neutron Absorption  
0 Kelvin Cross Sections

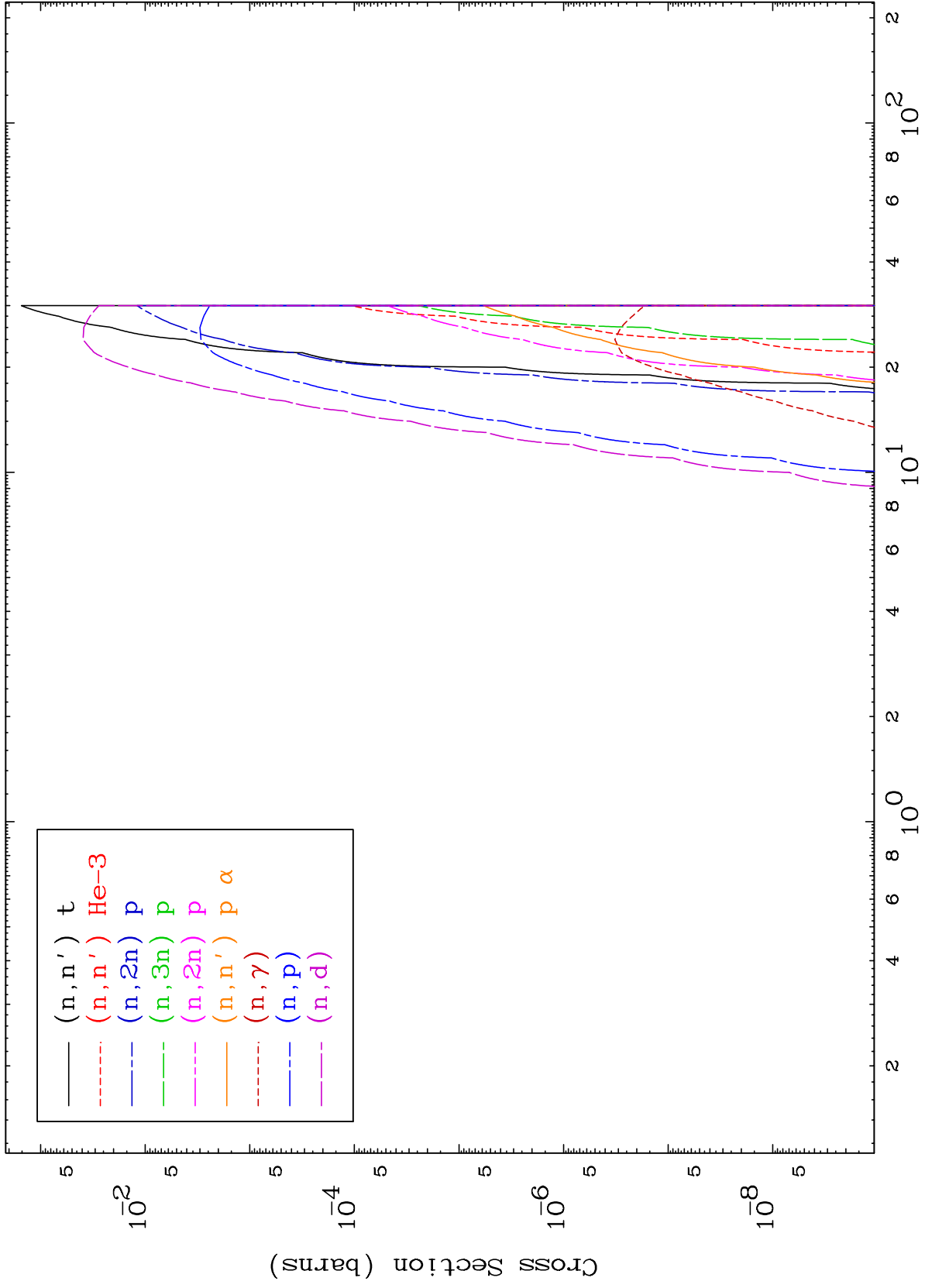
79-Au-189m



MAT 7902

He-3 Neutron Absorption  
0 Kelvin Cross Sections

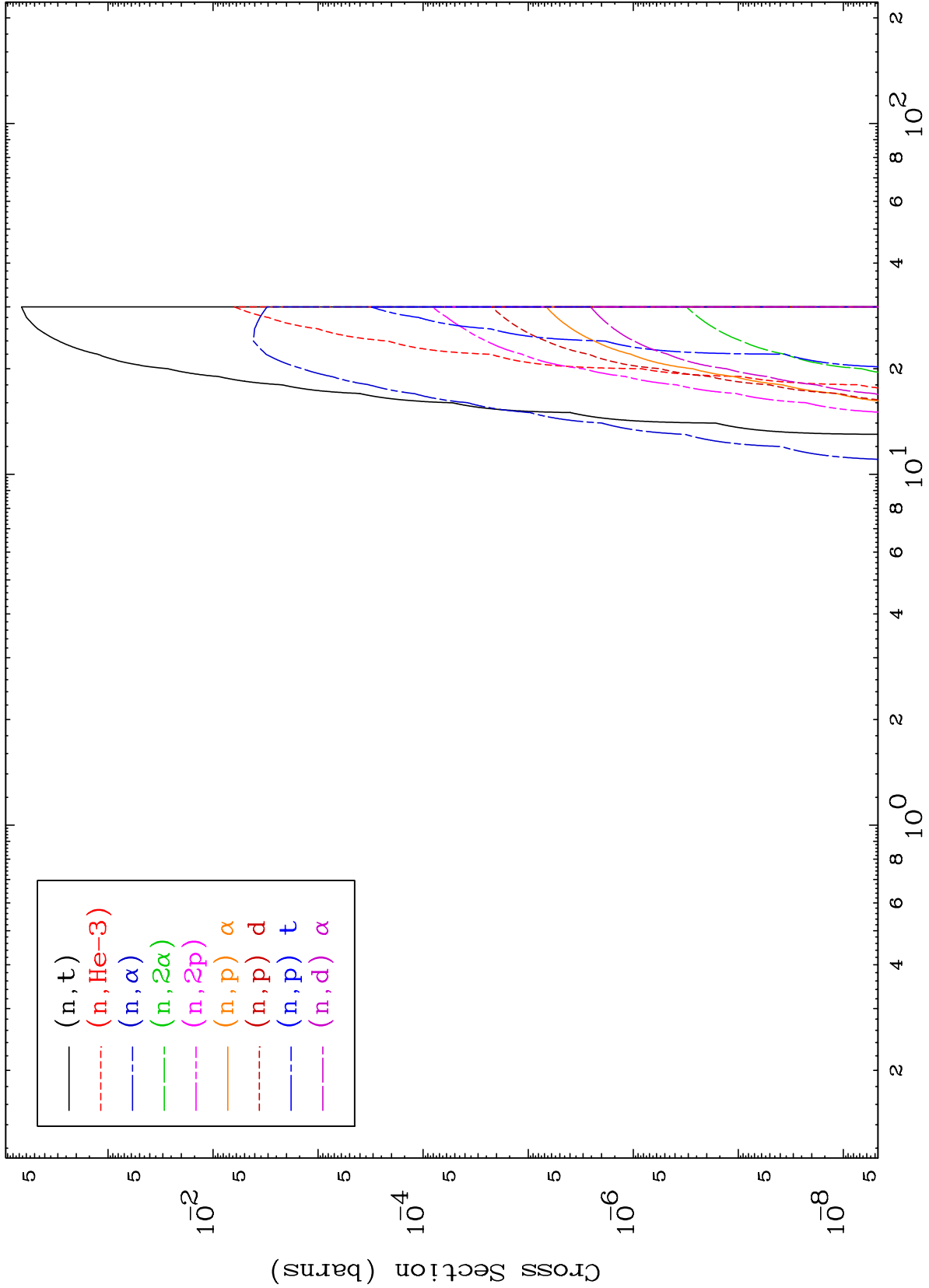
79-Au-189m



MAT 7902

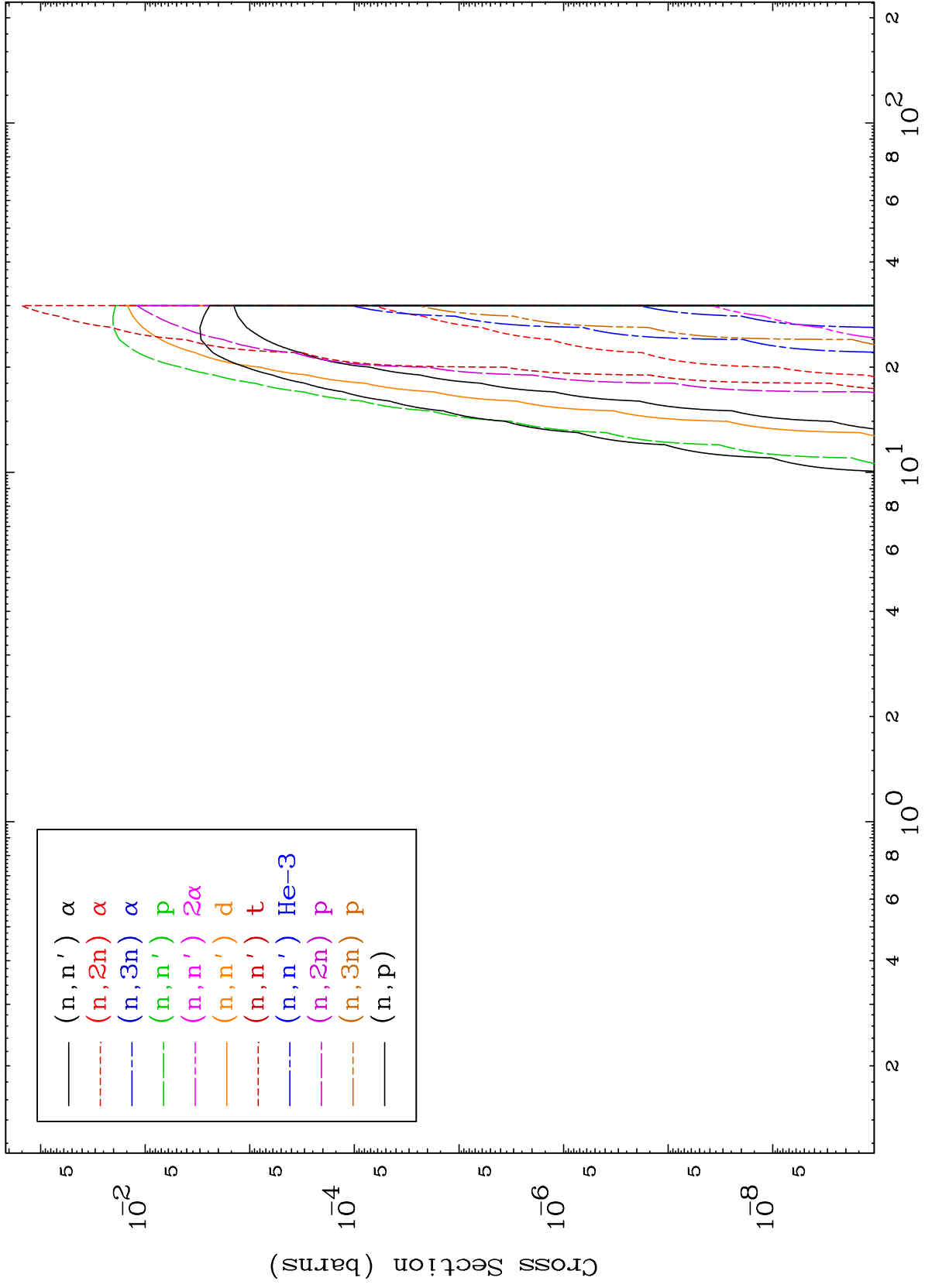
He-3 Neutron Absorption  
0 Kelvin Cross Sections

79-Au-189m



79-Au-189m

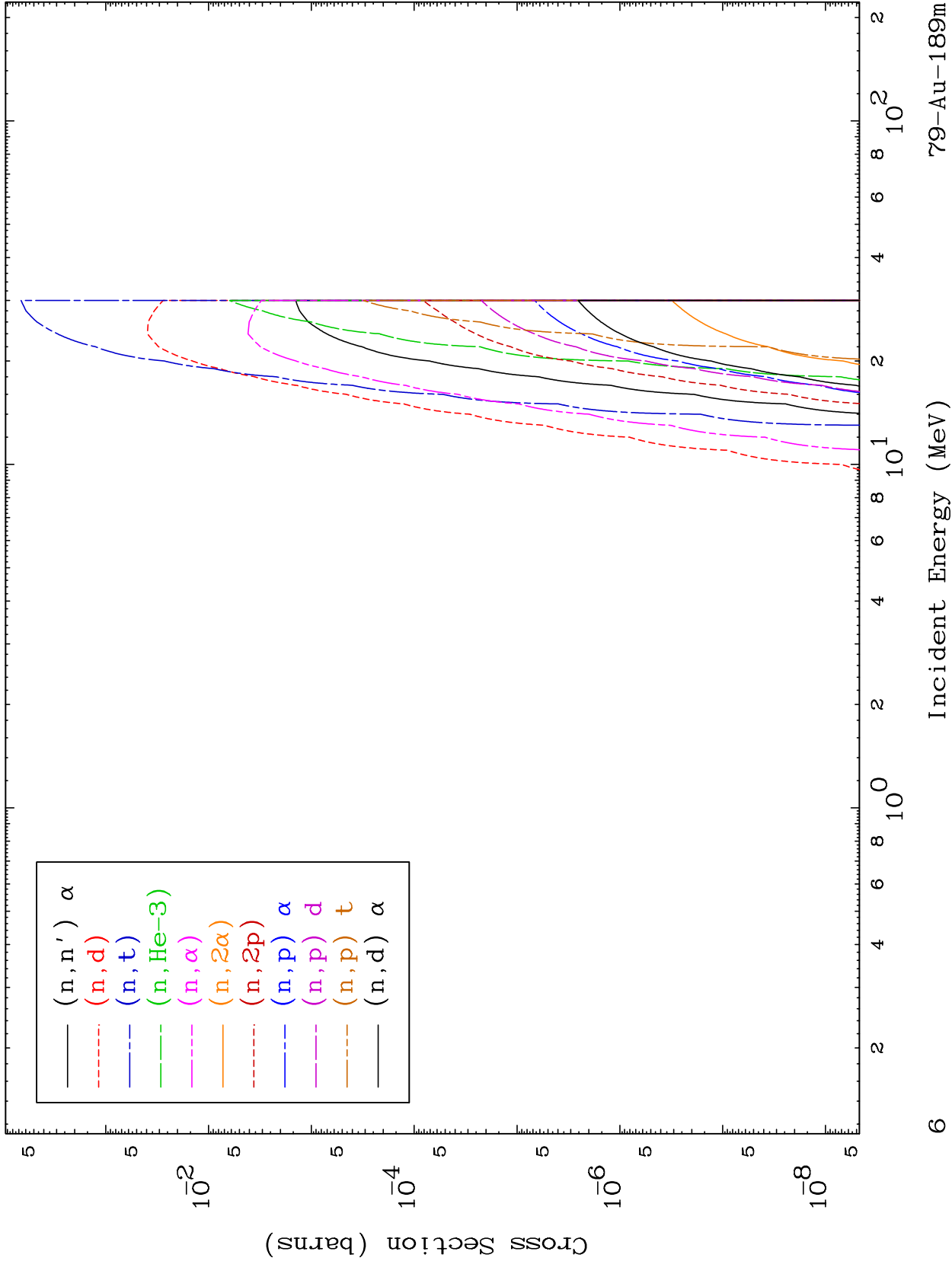
Incident Energy (MeV)



MAT 7902

He-3 Charged Particle  
0 Kelvin Cross Sections

79-Au-189m

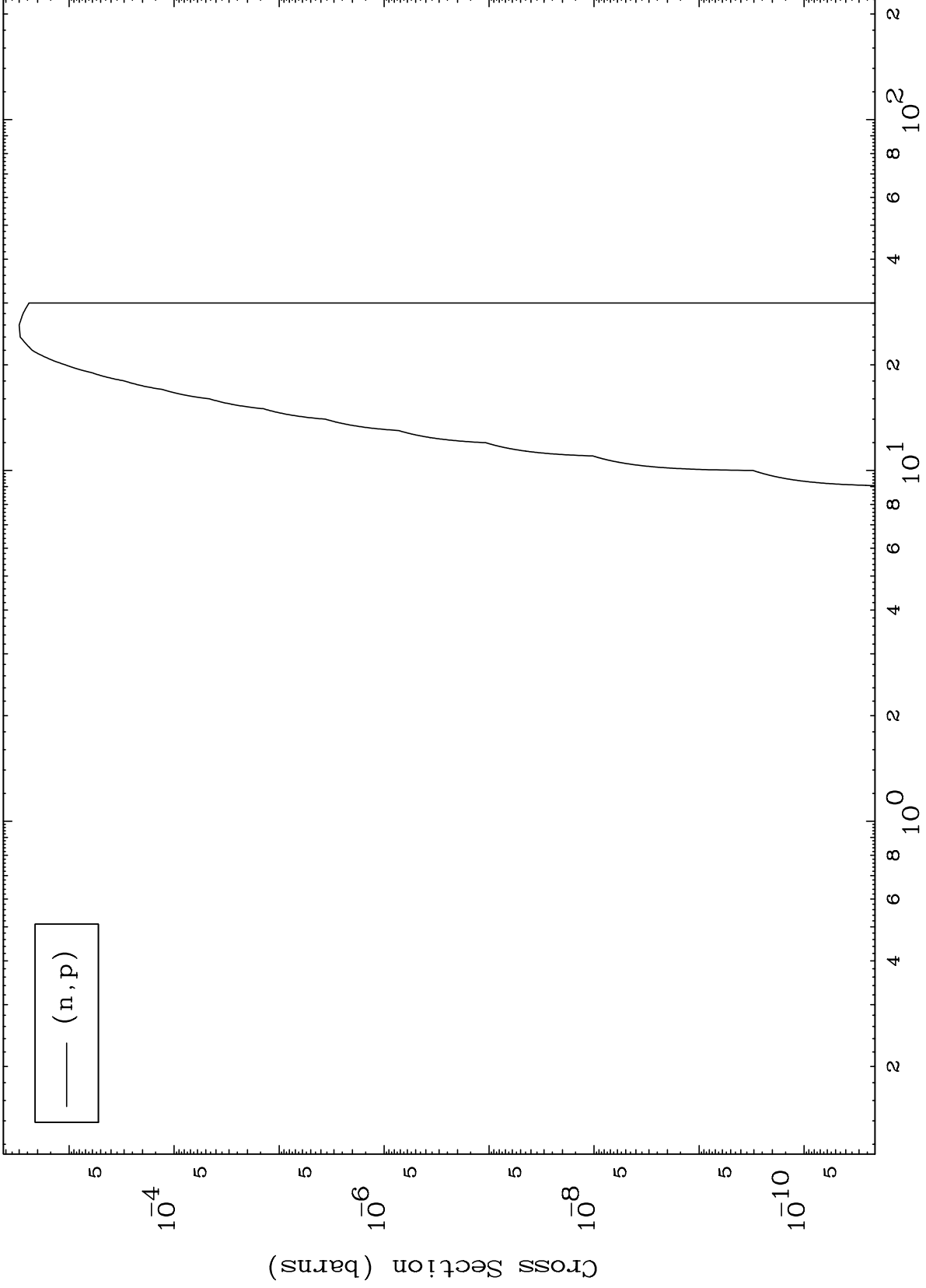


MAT 7902

(He-3,p) Levels

79-Au-189m

0 Kelvin Cross Sections



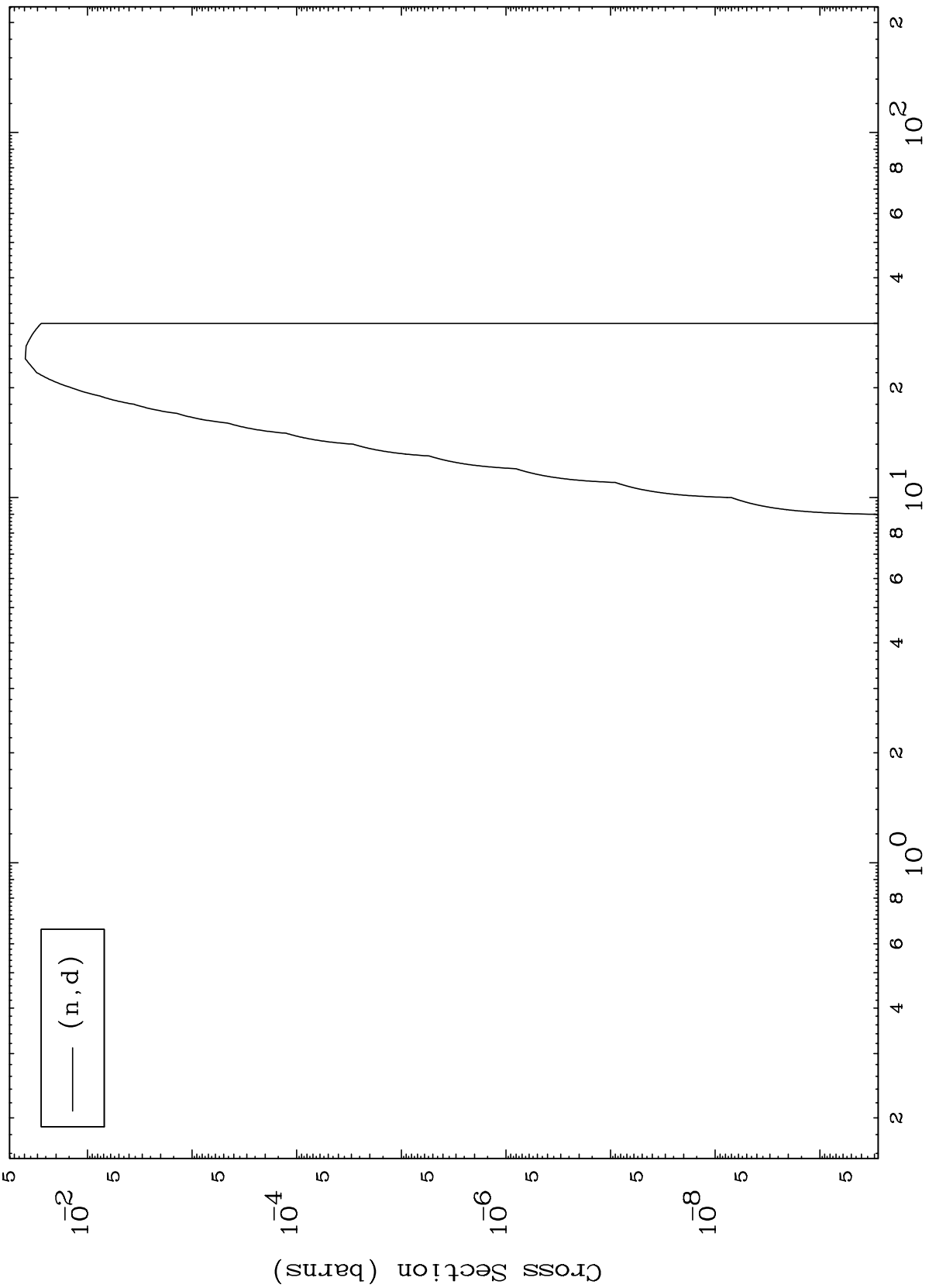


MAT 7902

(He-3,d) Levels

79-Au-189m

0 Kelvin Cross Sections



8

Incident Energy (MeV)

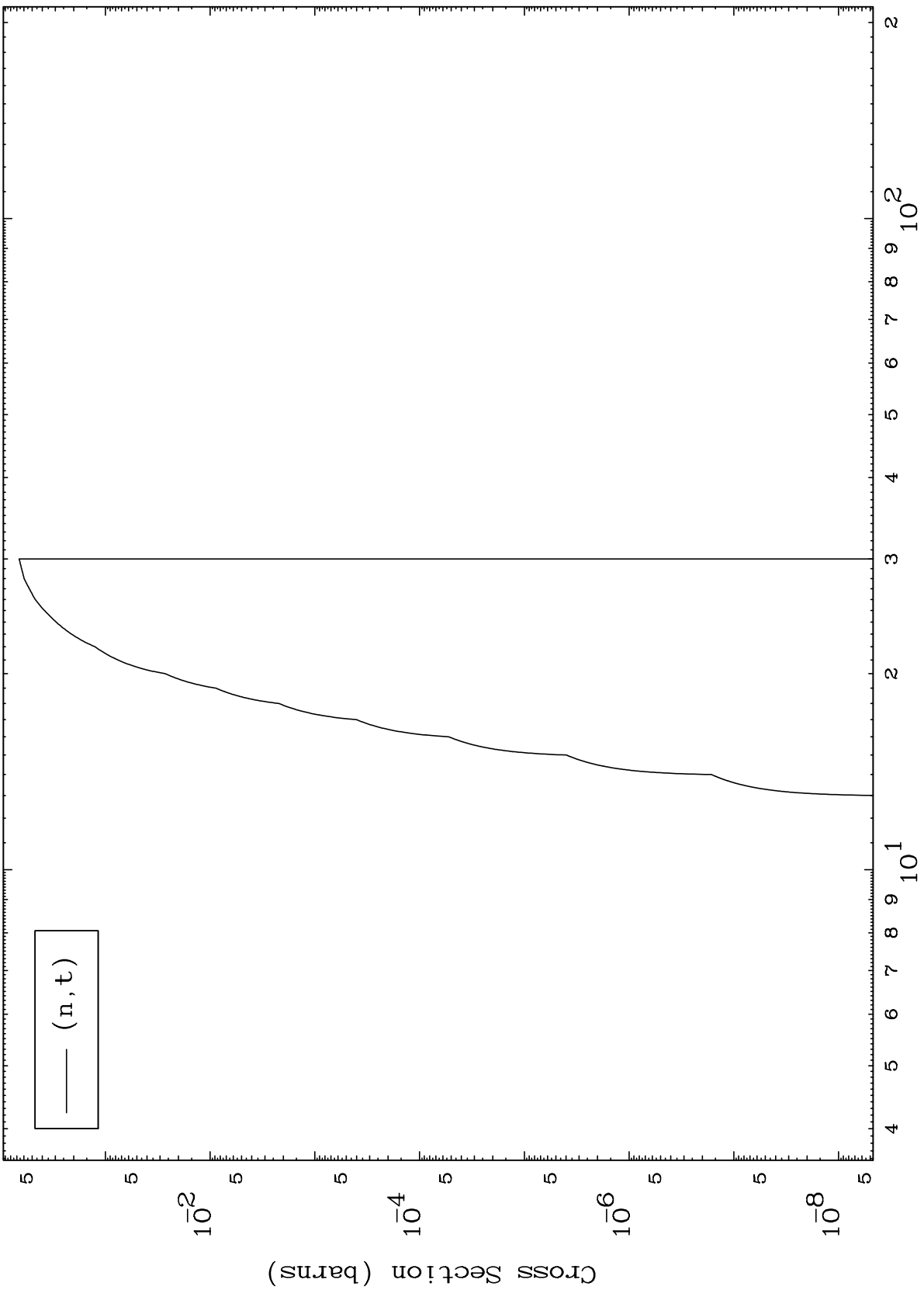
79-Au-189m

MAT 7902

(He-3,t) Levels

79-Au-189m

0 Kelvin Cross Sections



9

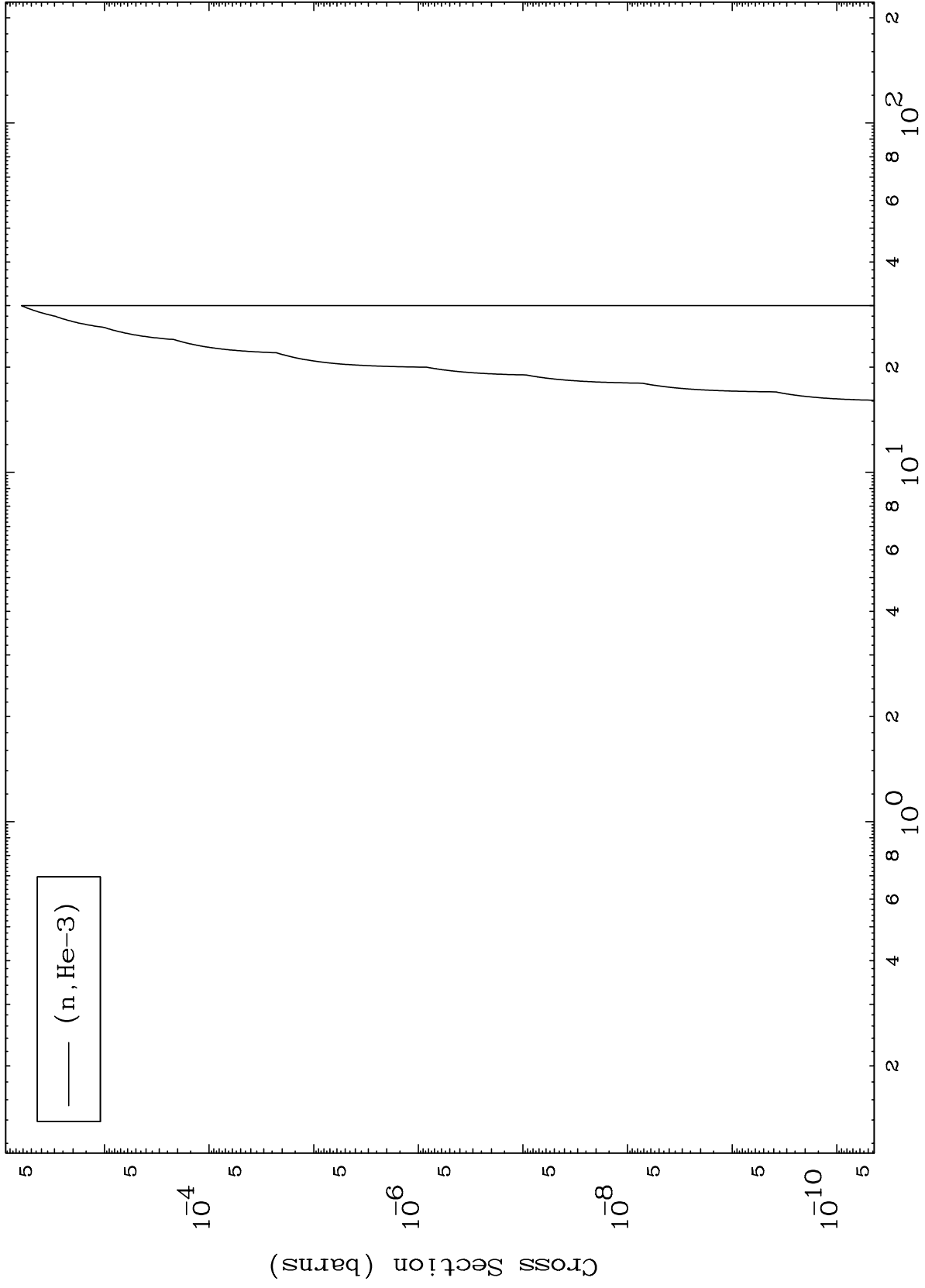
Incident Energy (MeV)

79-Au-189m

MAT 7902

(He-3, He3) Levels  
0 Kelvin Cross Sections

79-Au-189m



10

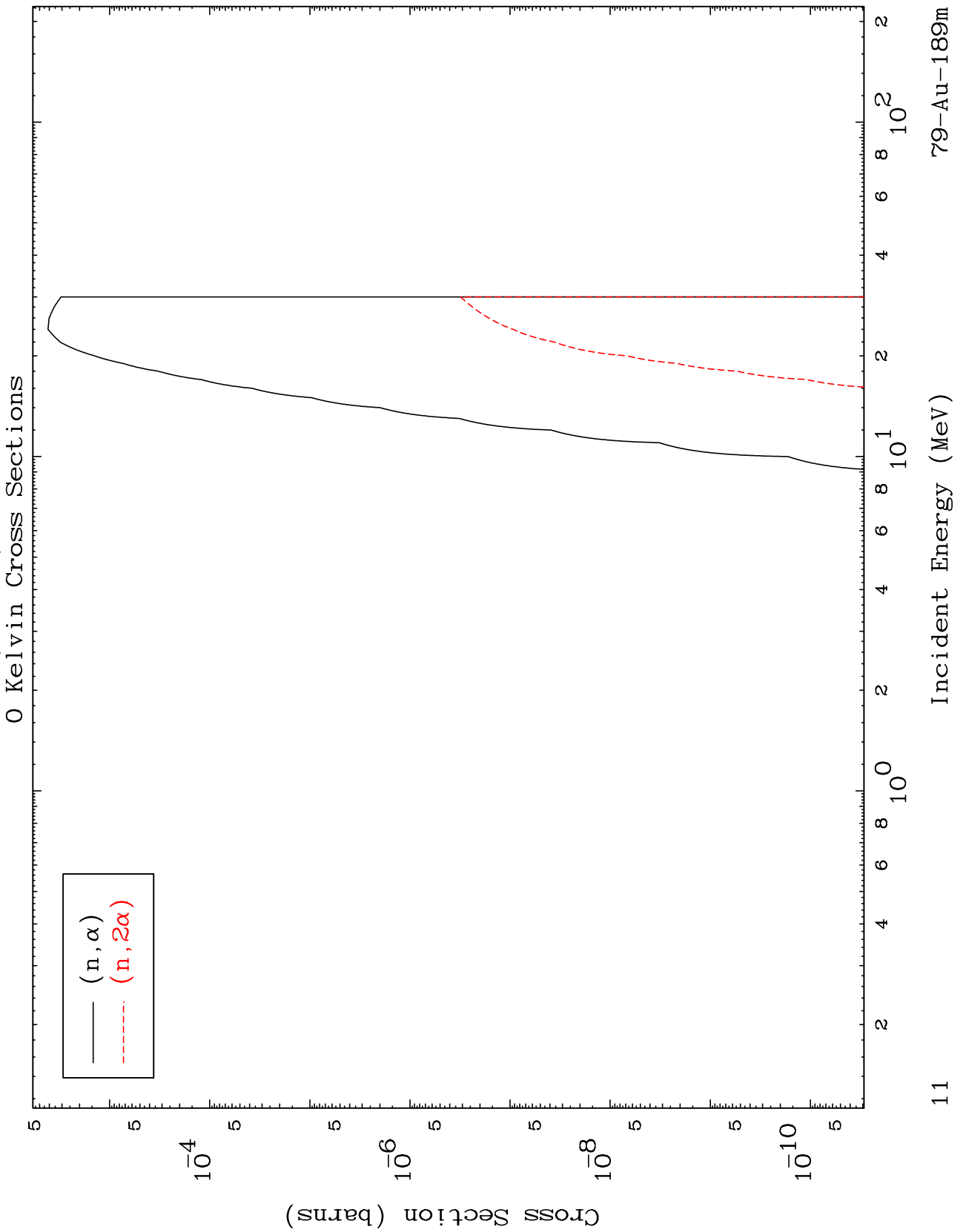
Incident Energy (MeV)

79-Au-189m

MAT 7902

(He-3,  $\alpha$ ) Levels

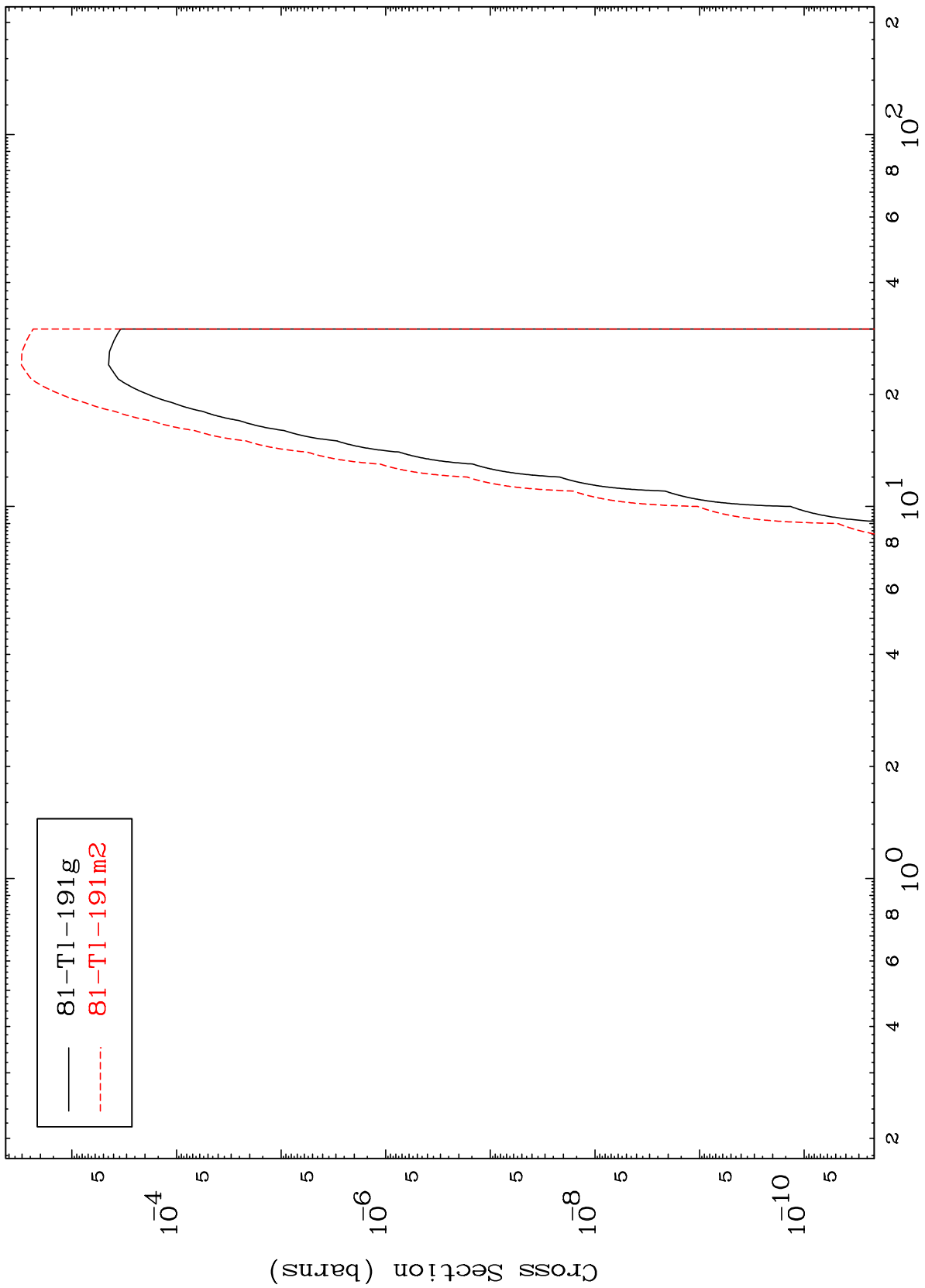
79-Au-189m



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79-Au-189m

Inelastic  
Radionuclide Production Cross Section



79-Au-189m

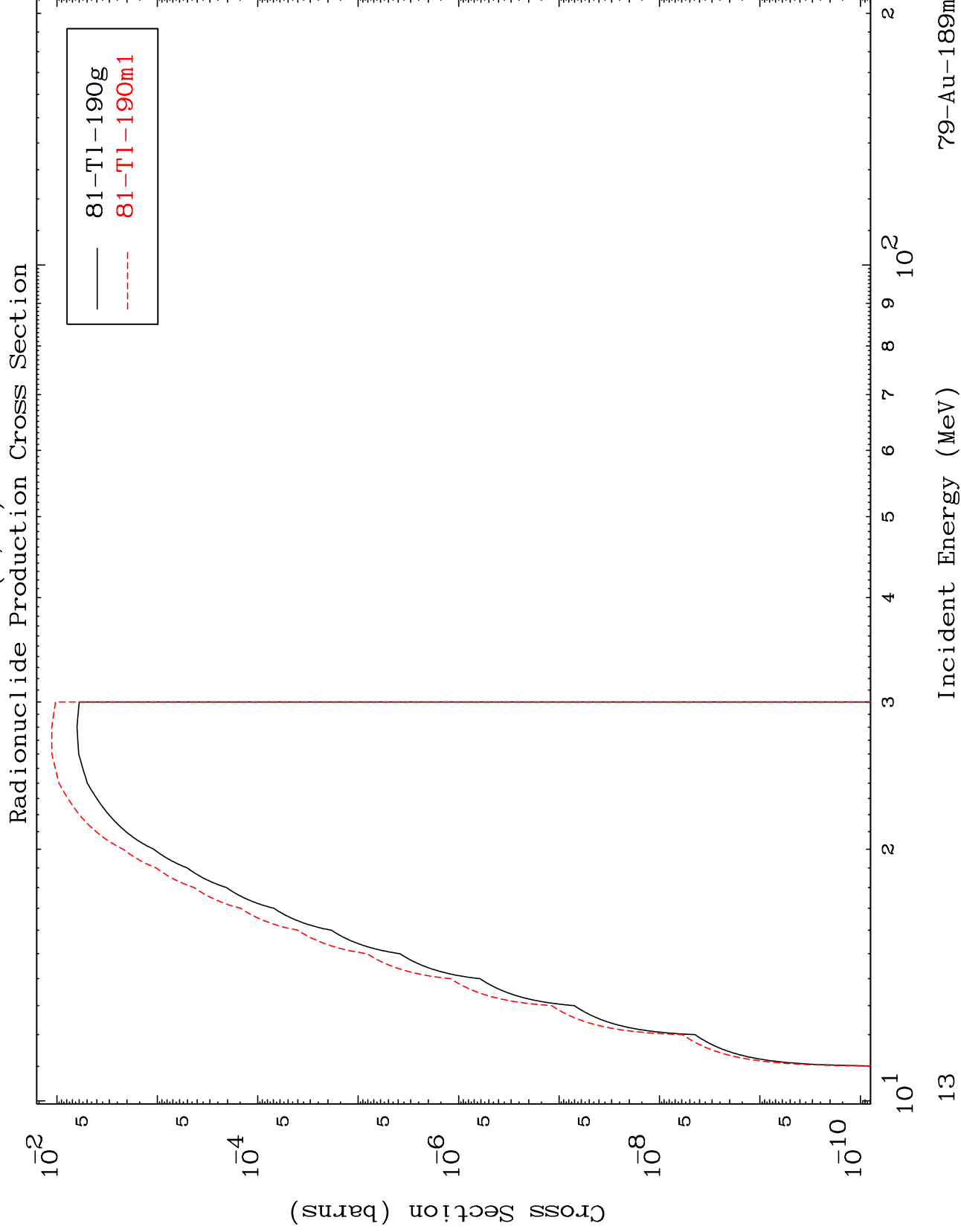
Incident Energy (MeV)

12

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(n,2n)

<sup>79</sup>Au-189m



13

Incident Energy (MeV)

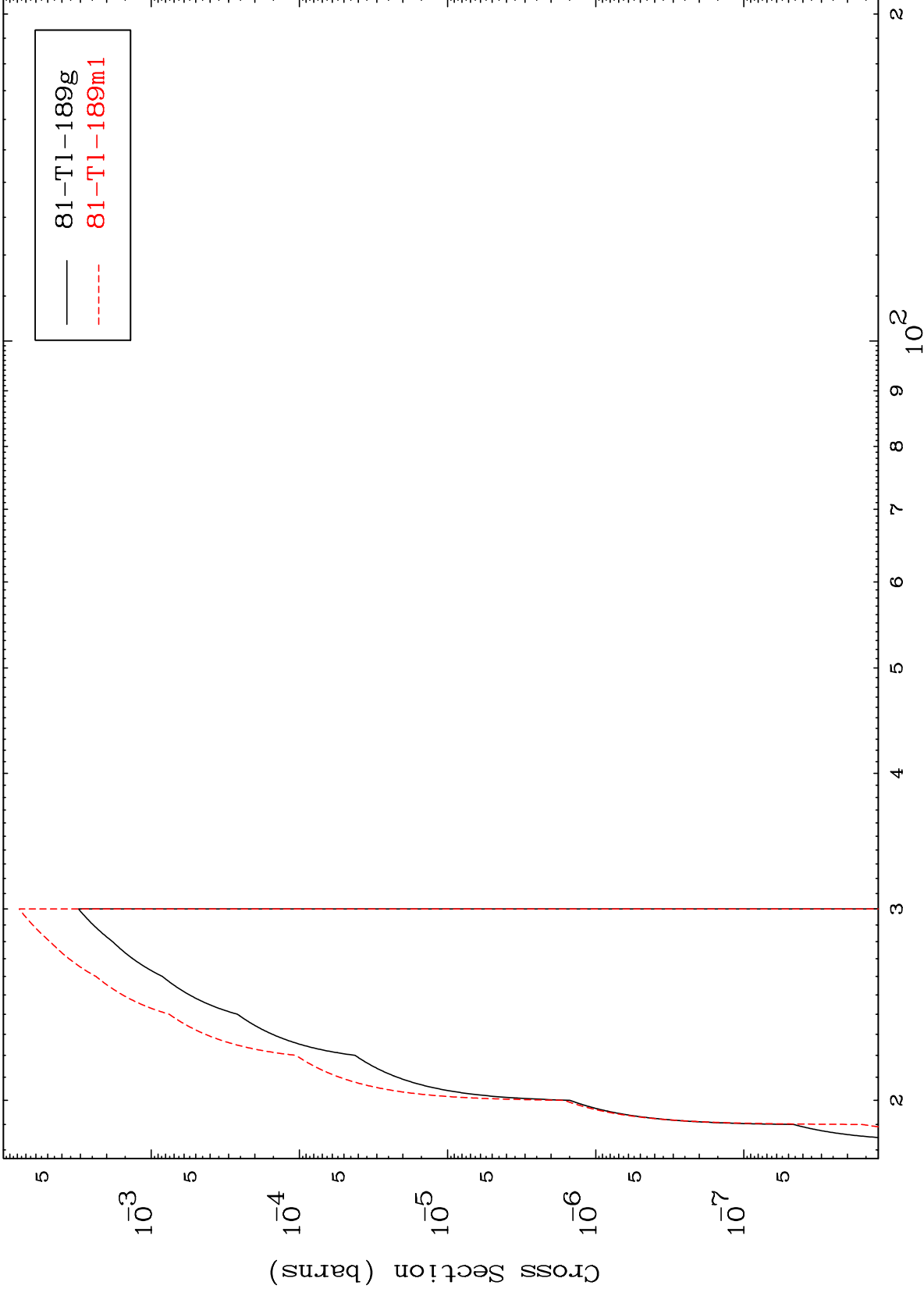
<sup>79</sup>Au-189m

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(n,3n)

<sup>79</sup>Au-189m

Radionuclide Production Cross Section



81-Tl-189g  
81-Tl-189m1

14

Incident Energy (MeV)

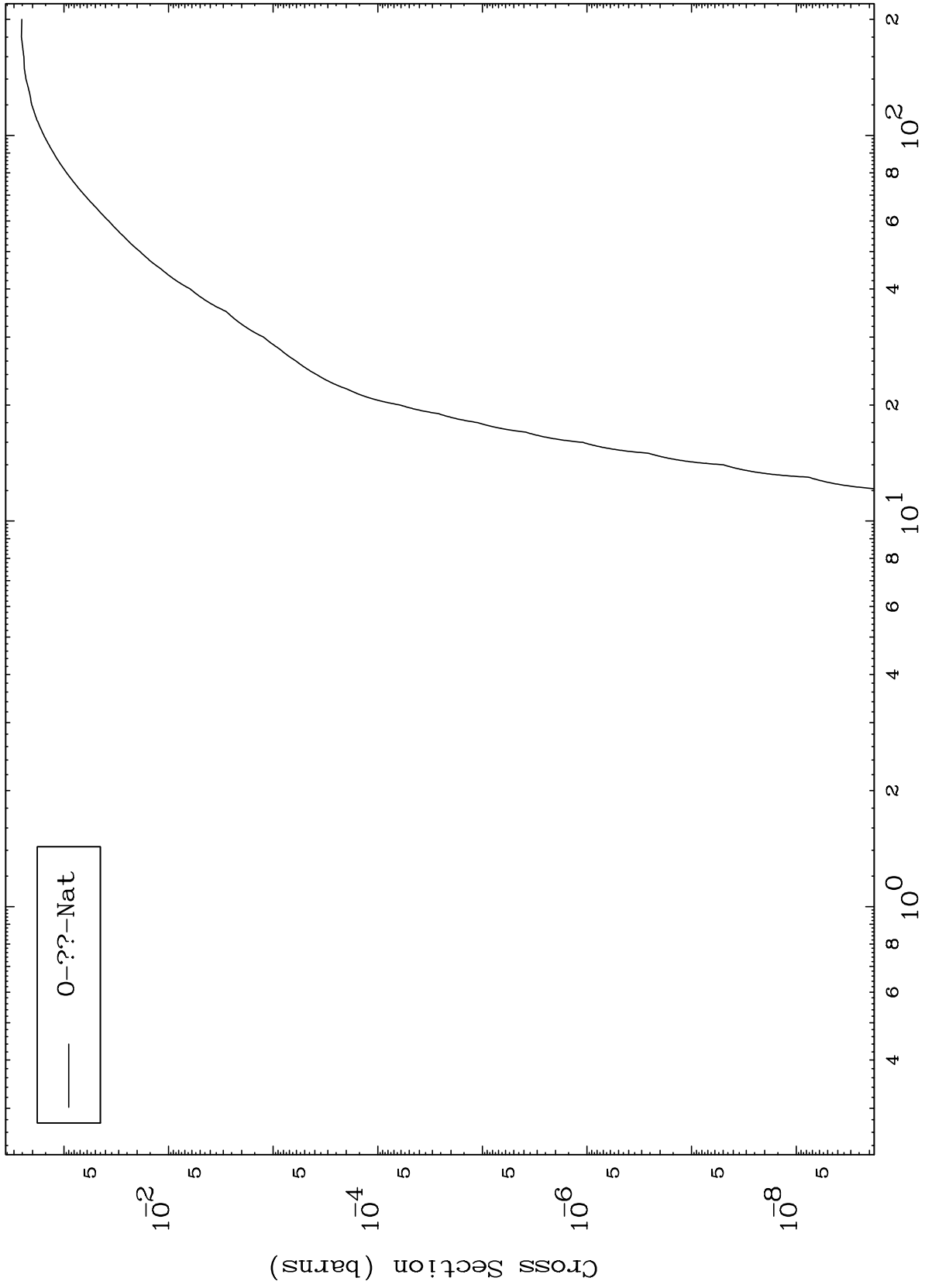
<sup>79</sup>Au-189m

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Fission

<sup>79</sup>Au-189m

Radionuclide Production Cross Section



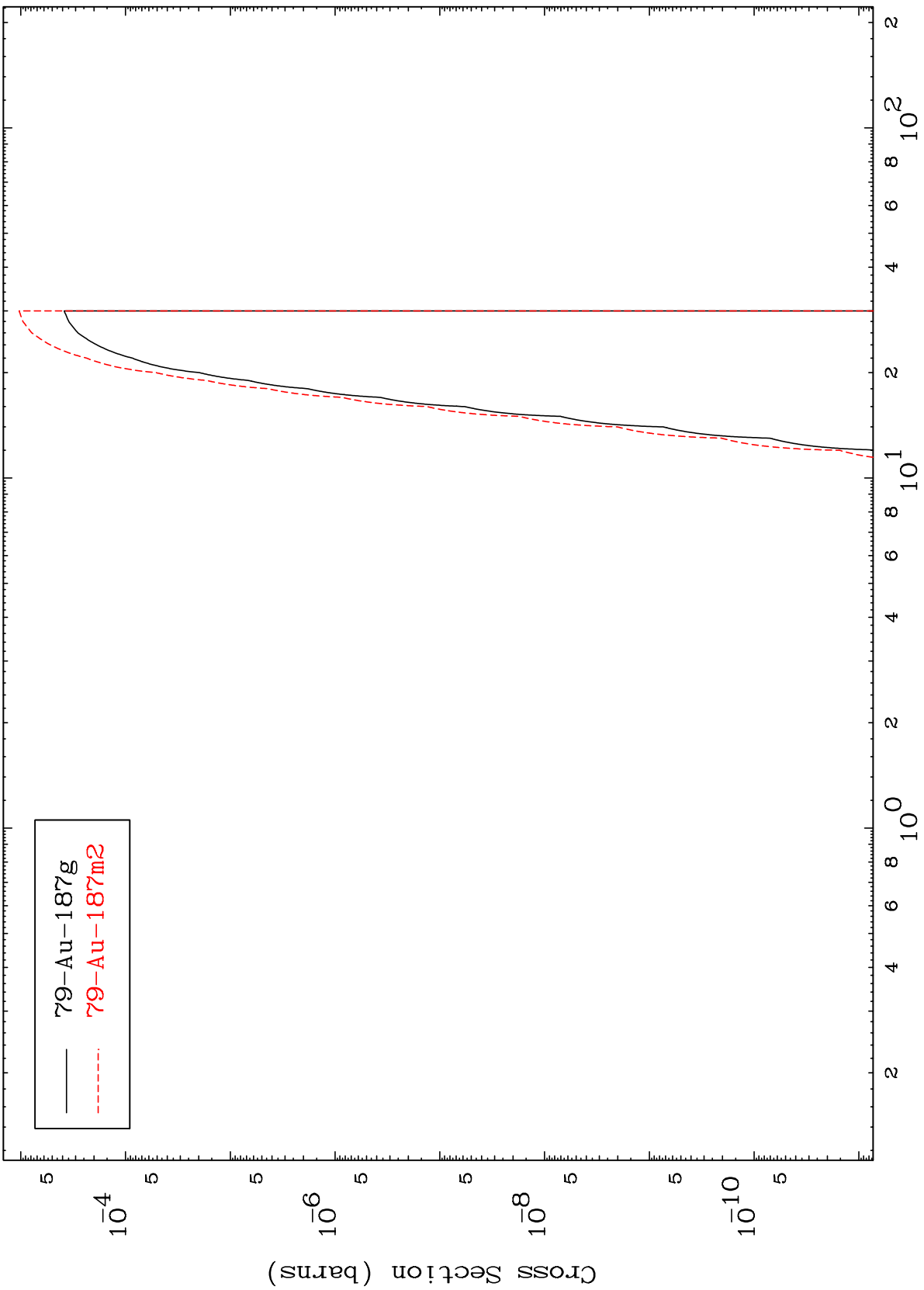


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$(n, n') \alpha$

$^{79}\text{Au-189m}$

Radionuclide Production Cross Section

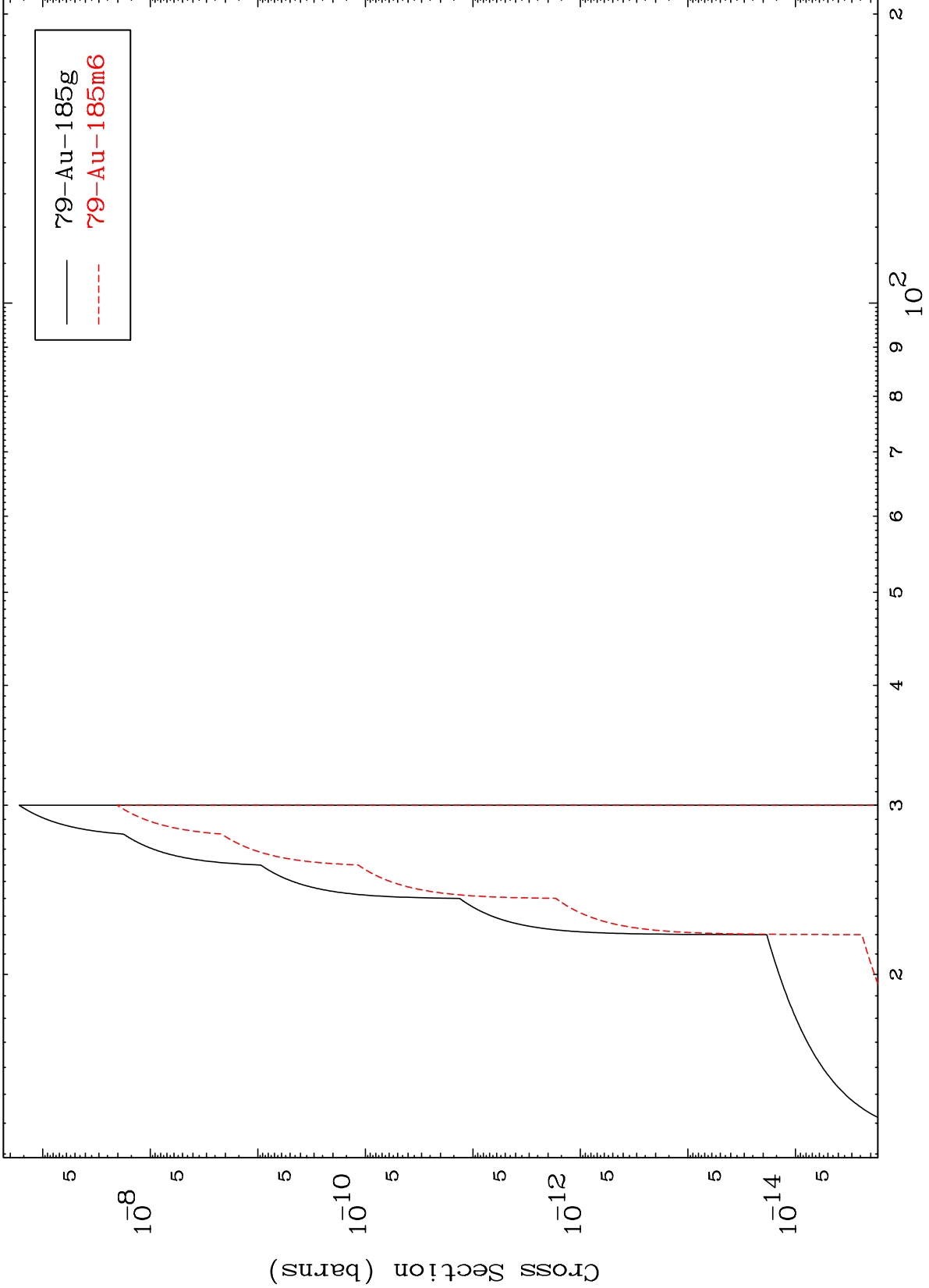


MAT 7902

(n,3n)  $\alpha$

<sup>79</sup>Au-189m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

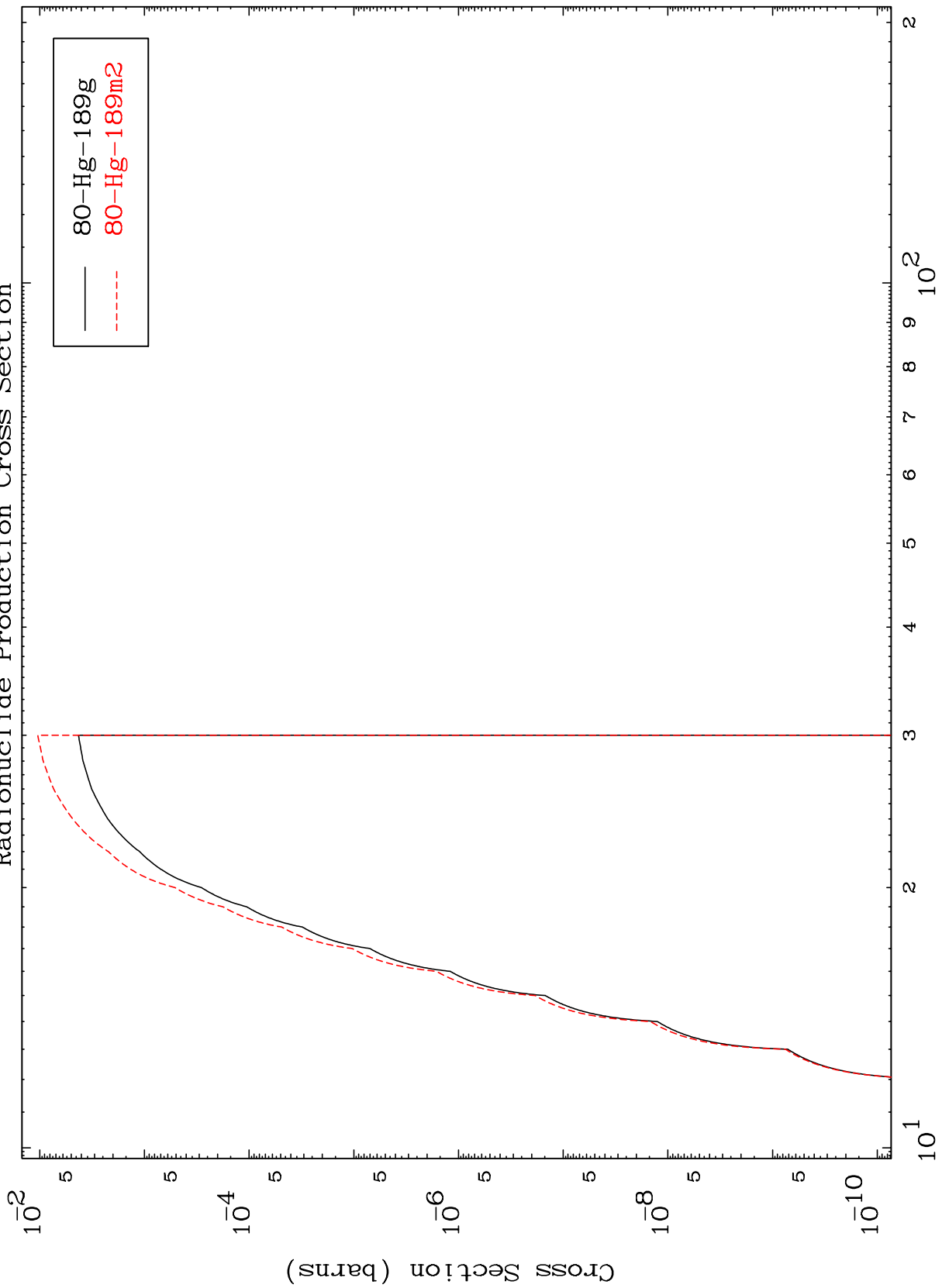
<sup>79</sup>Au-189m

MAT 7902

(n,n') d

79-Au-189m

Radionuclide Production Cross Section



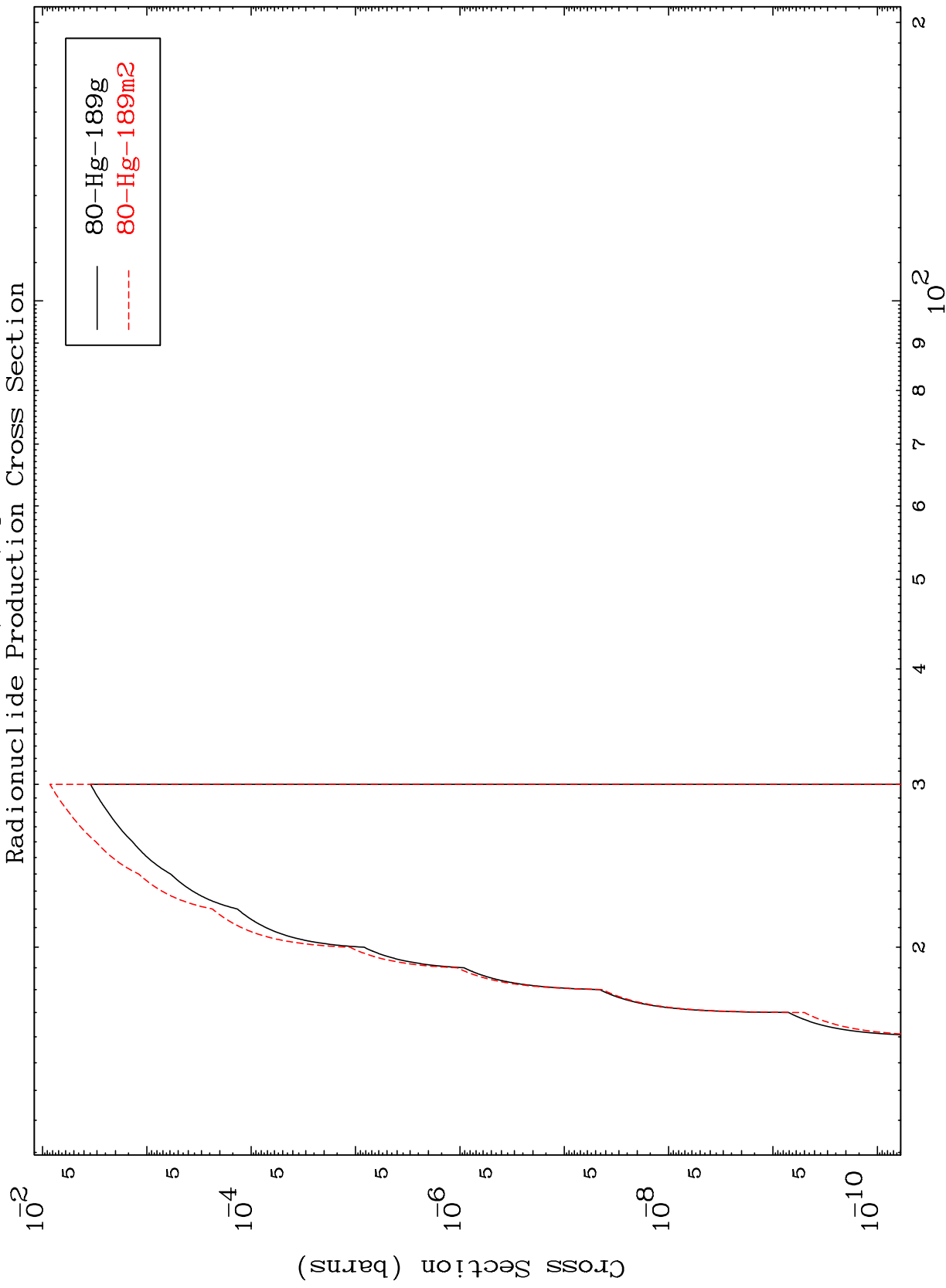
Incident Energy (MeV)

79-Au-189m

MAT 7902

79-Au-189m

(n,2n) p  
Radionuclide Production Cross Section



19

Incident Energy (MeV)

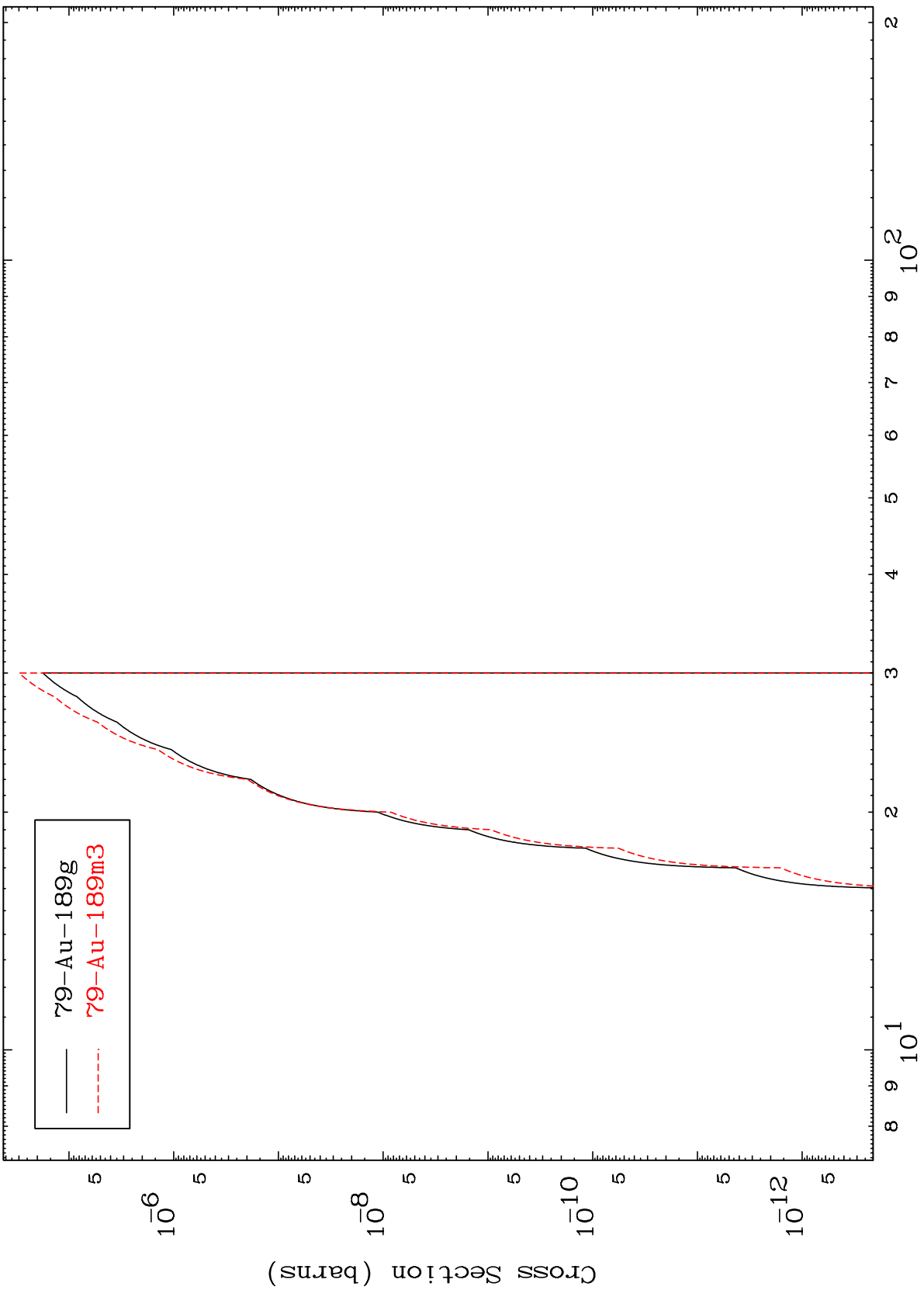
79-Au-189m

MAT 7902

$^{79}\text{Au-189m}$  (n,2n) p

$^{79}\text{Au-189m}$

Radionuclide Production Cross Section



Legend:  
—  $^{79}\text{Au-189g}$   
- - -  $^{79}\text{Au-189m3}$

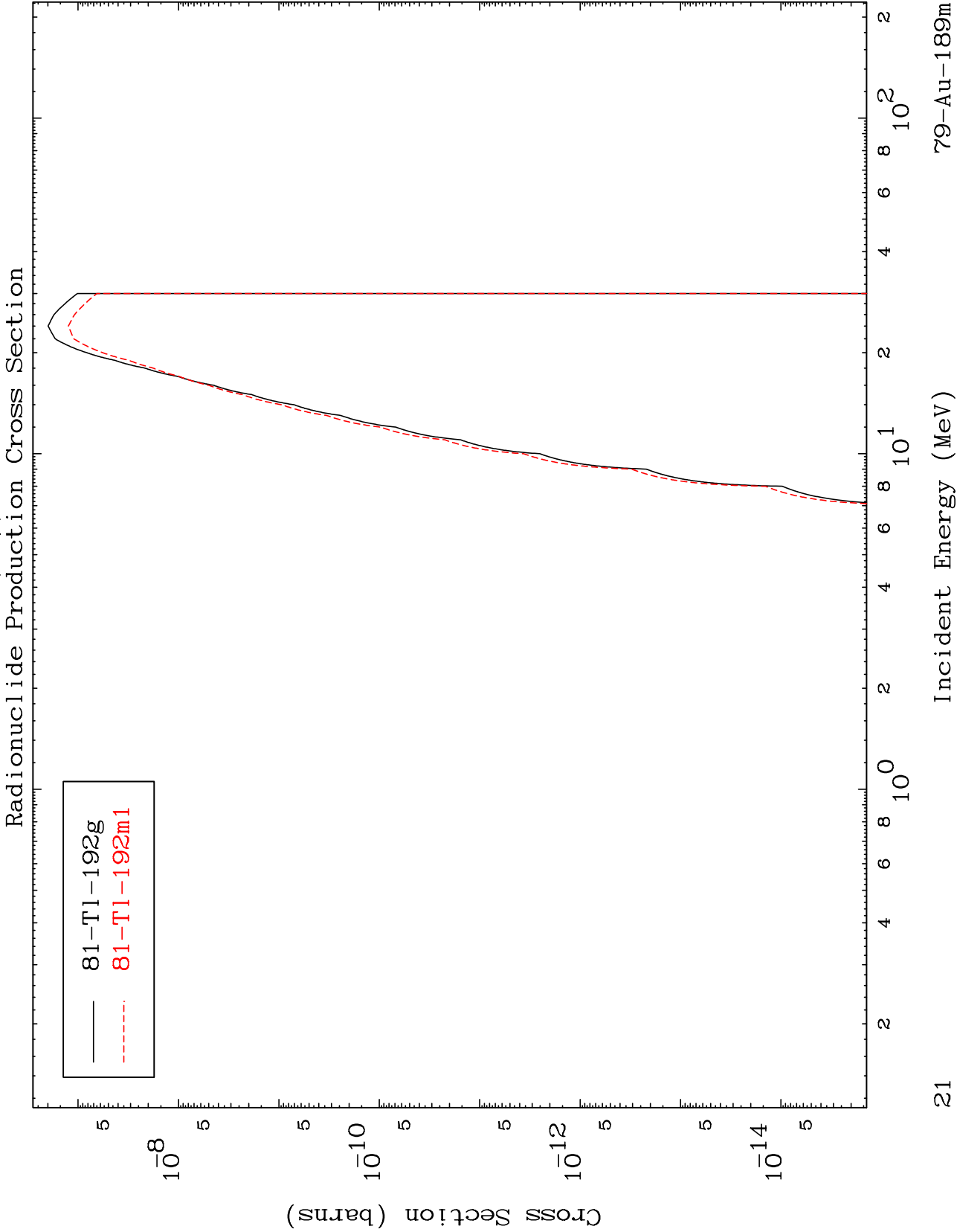
Incident Energy (MeV)

$^{79}\text{Au-189m}$

20

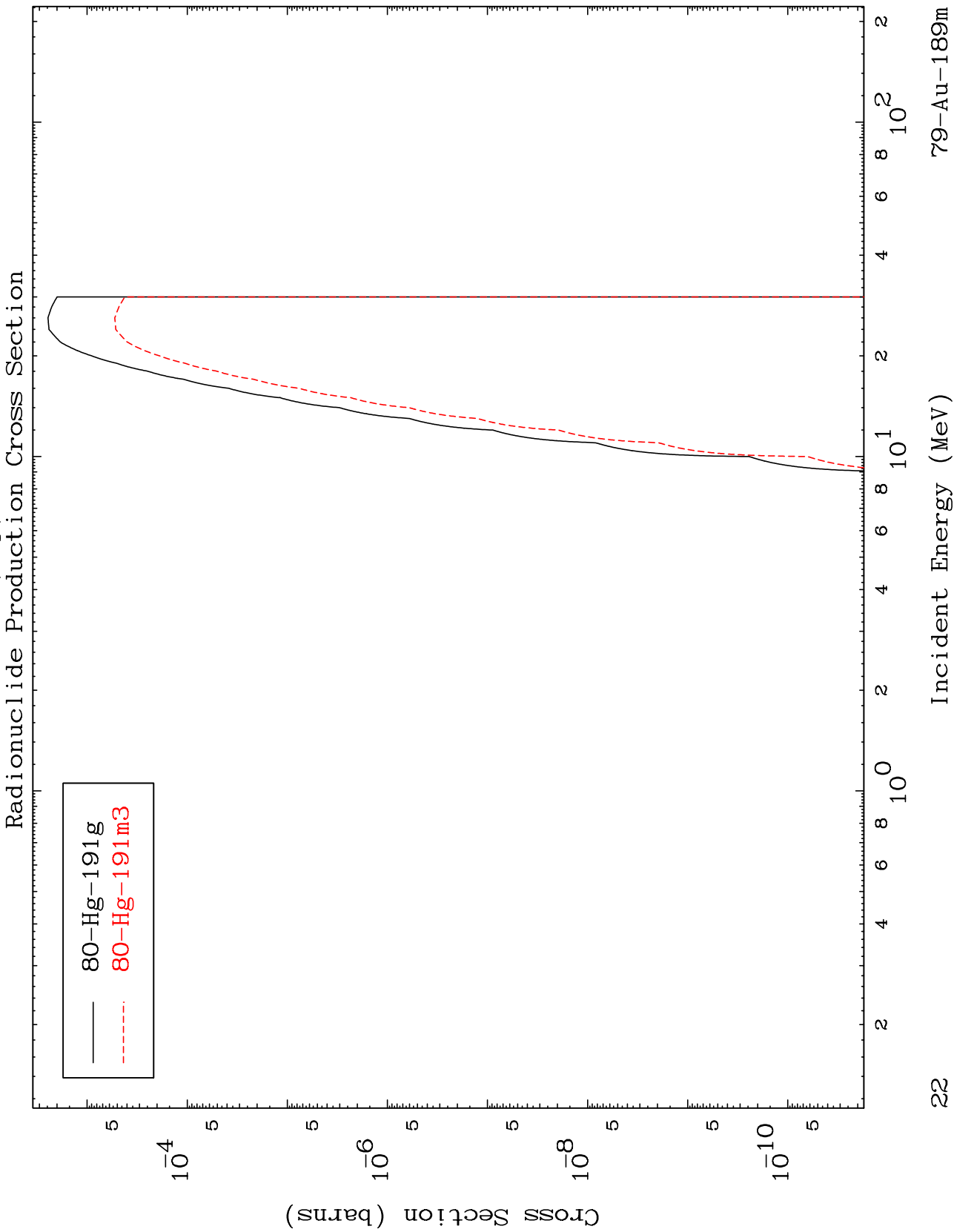
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79-Au-189m



MAT 7902

79-Au-189m

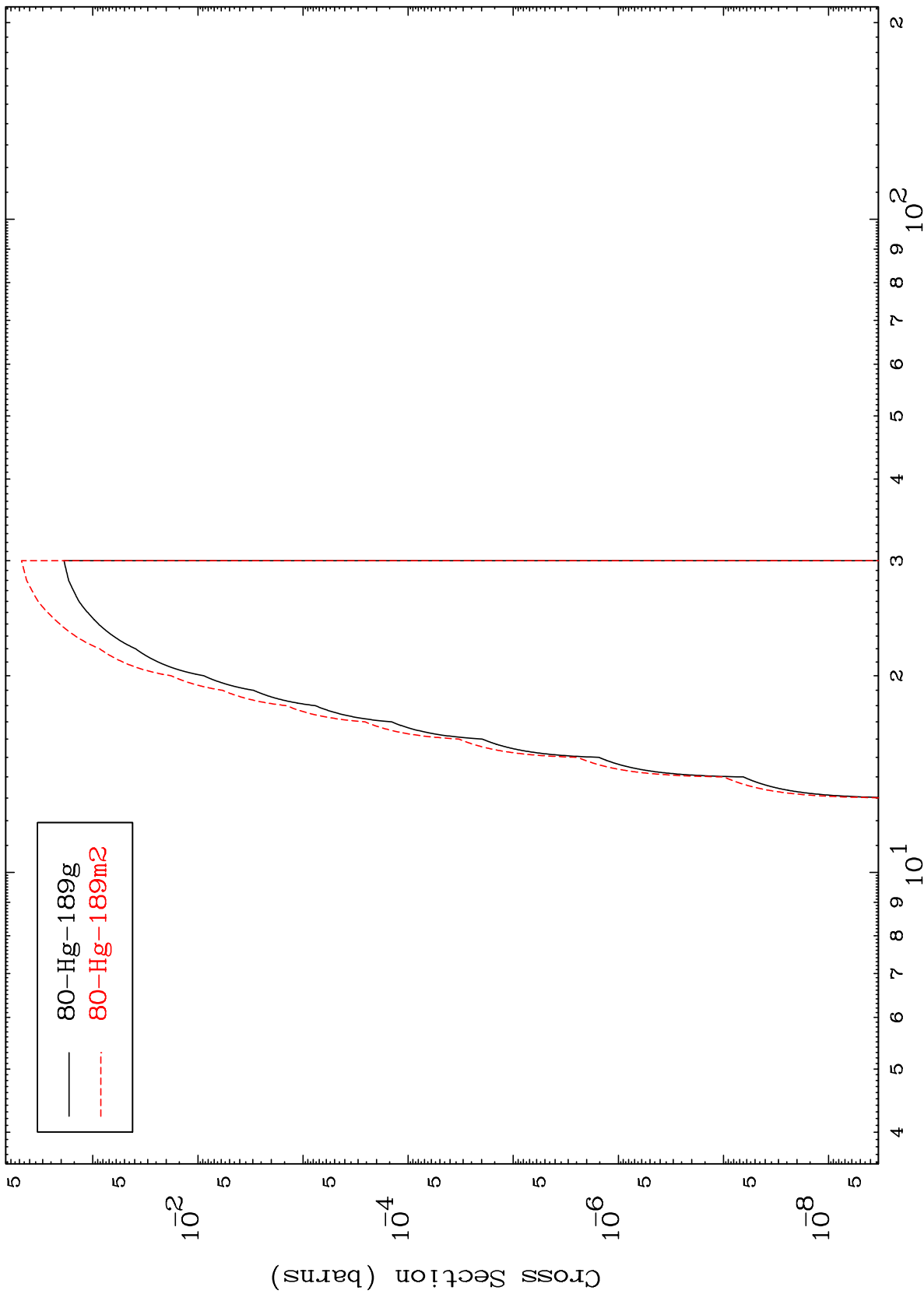


80-Hg-191g  
80-Hg-191m3

MAT 7902

<sup>79</sup>Au-189m

(n, t)  
Radionuclide Production Cross Section



<sup>79</sup>Au-189m

Incident Energy (MeV)

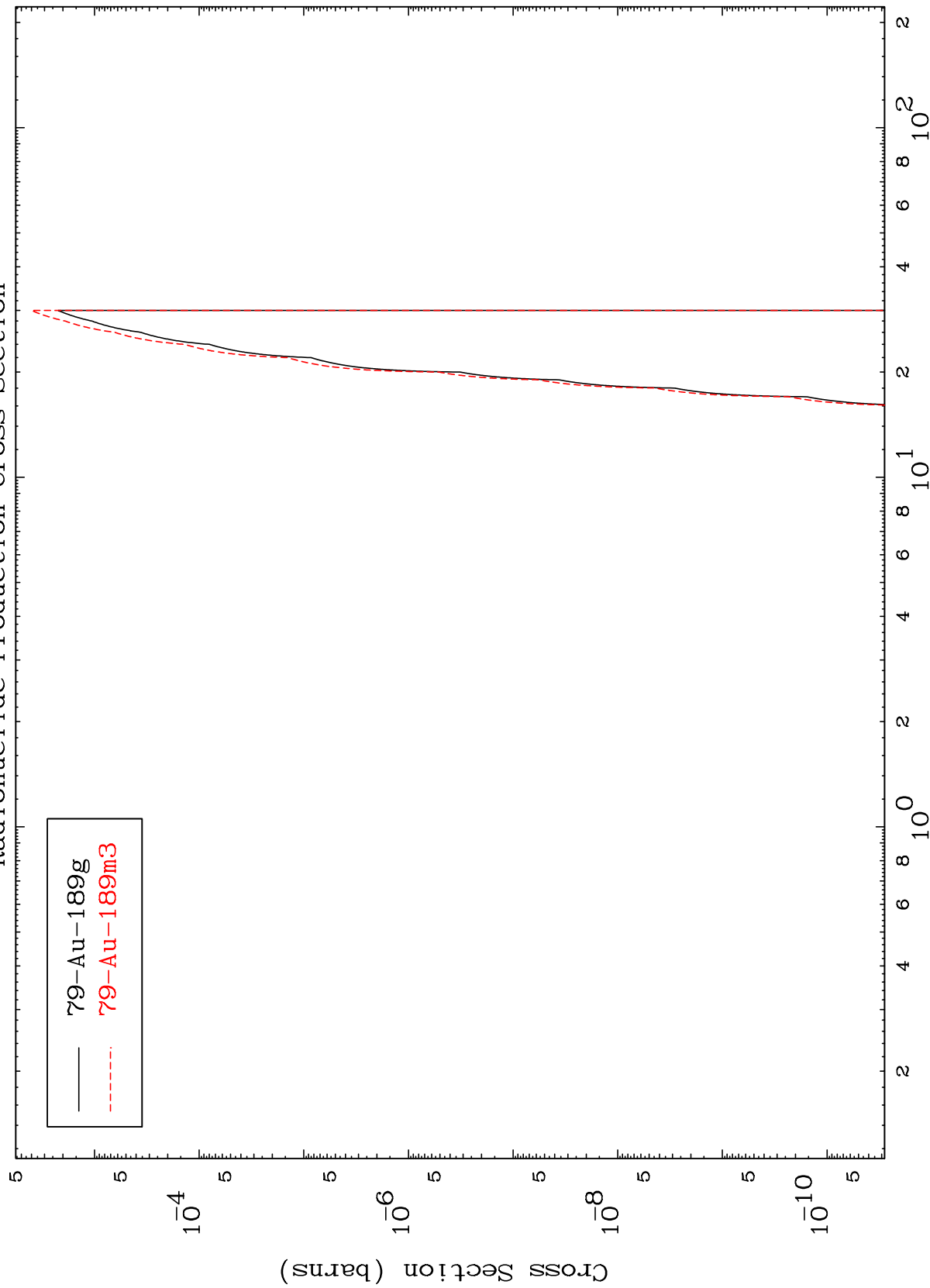
23



MAT 7902

<sup>79</sup>Au-189m

Radionuclide Production Cross Section

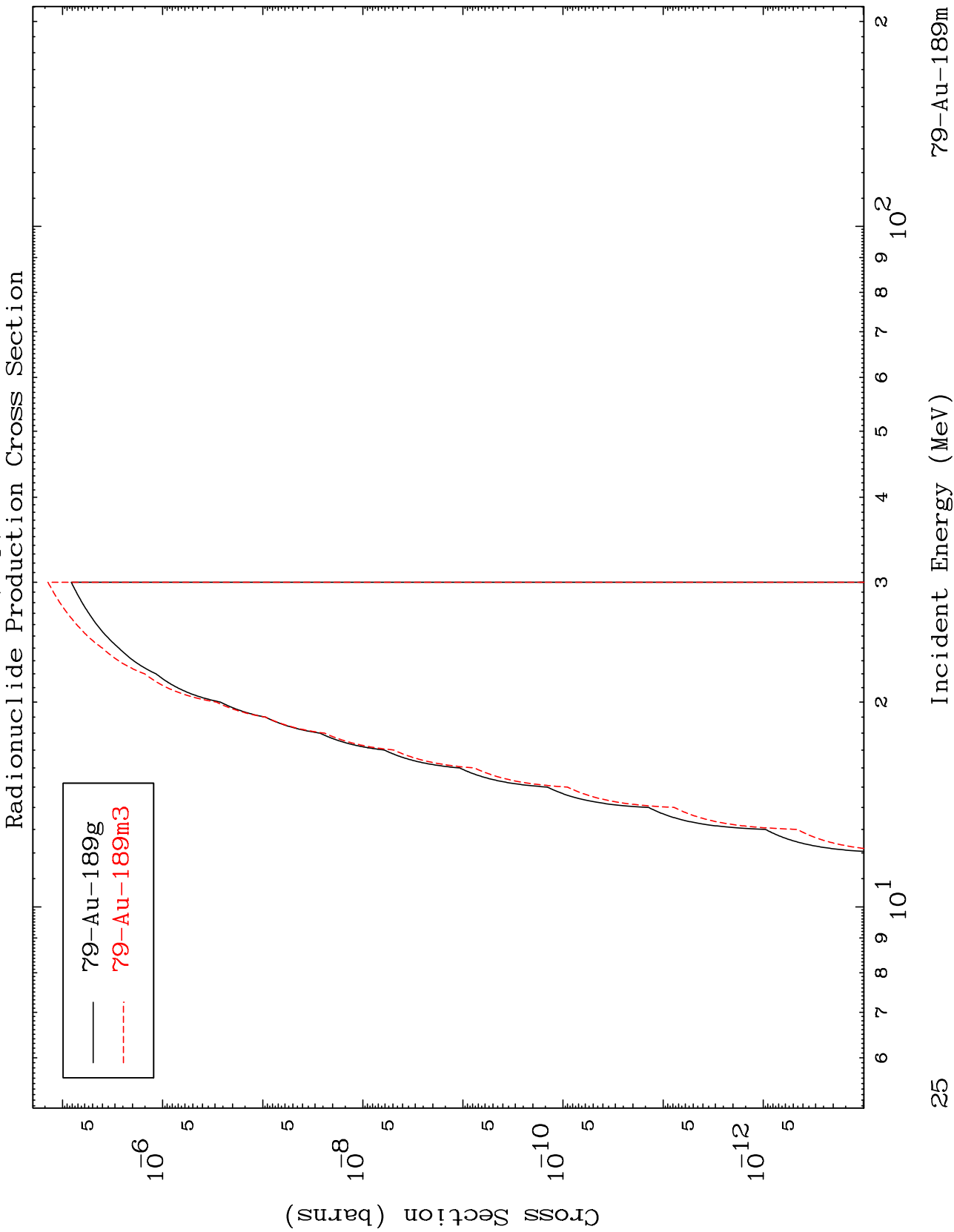


<sup>79</sup>Au-189m

Incident Energy (MeV)

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<sup>79</sup>Au-189m



<sup>79</sup>Au-189m

Incident Energy (MeV)

25