

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

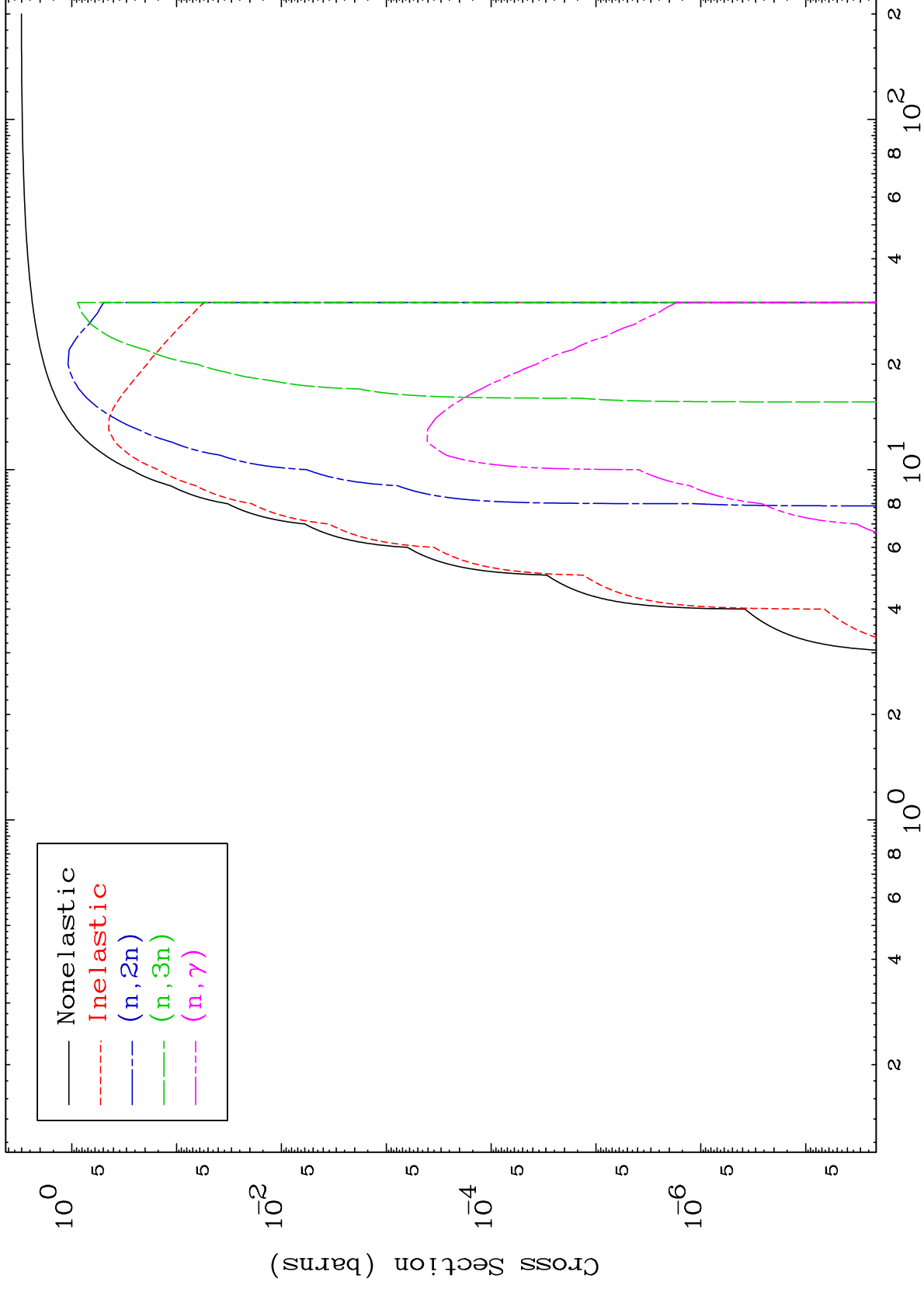
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

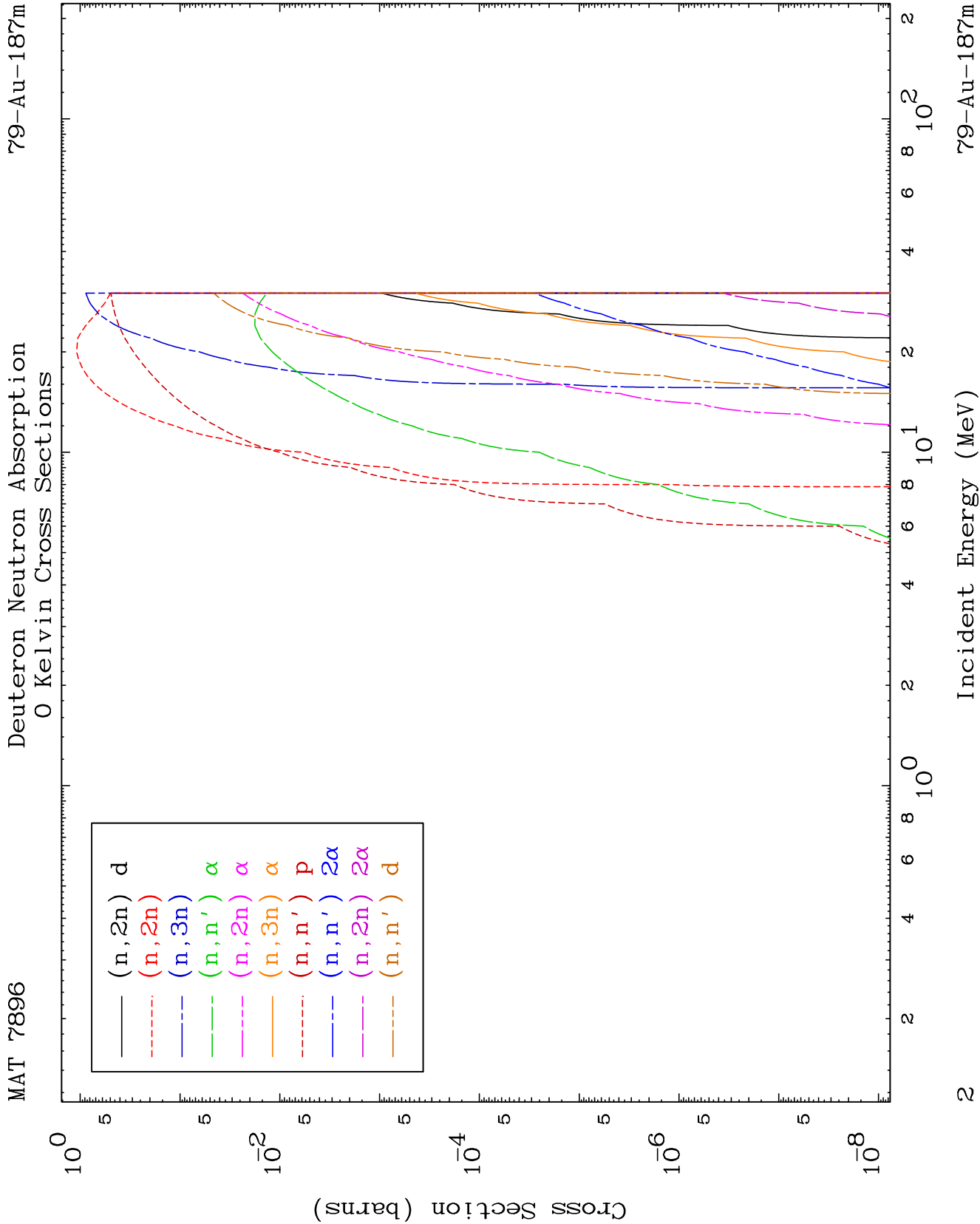
Tele: 925-443-1911

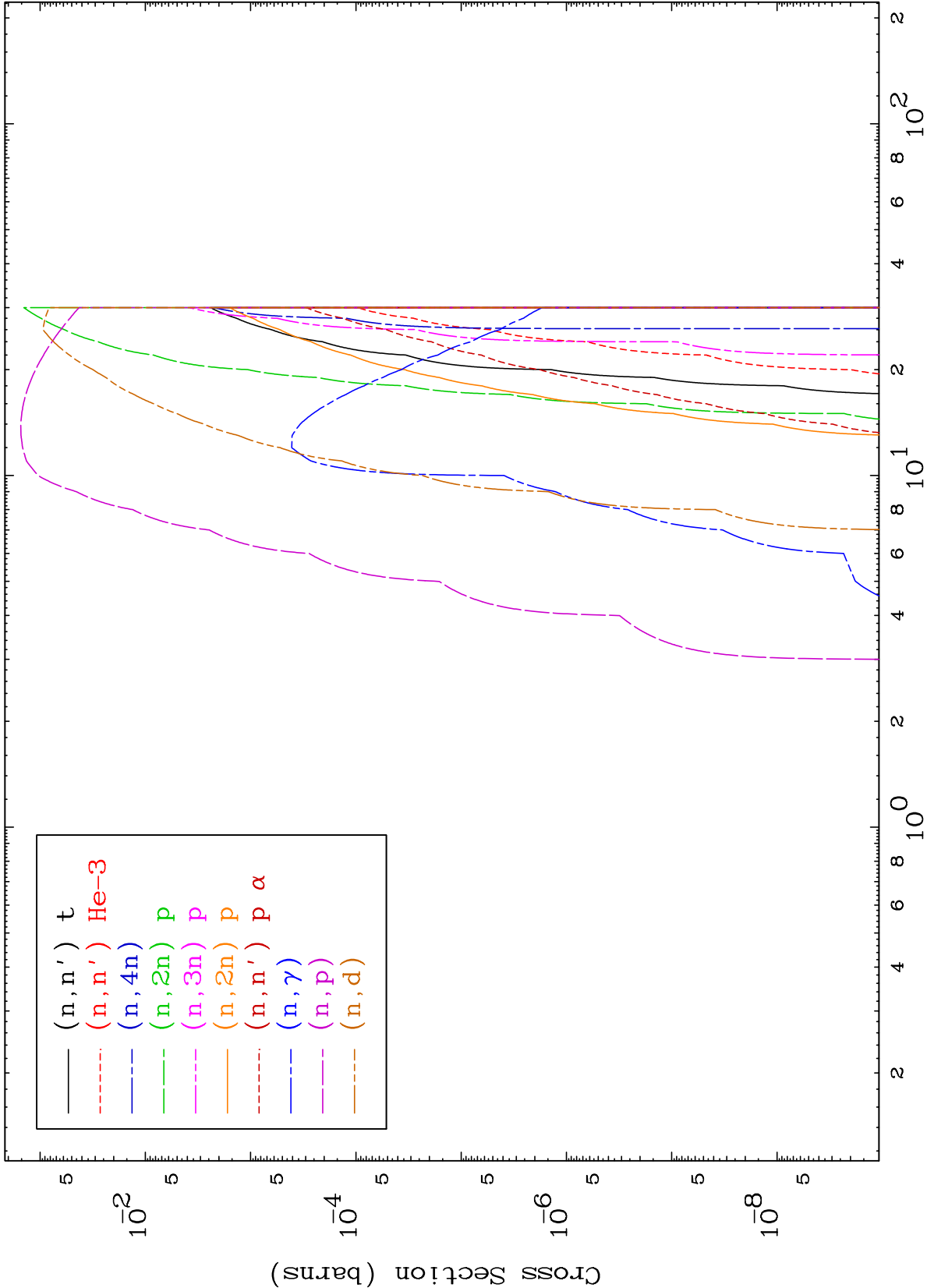
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

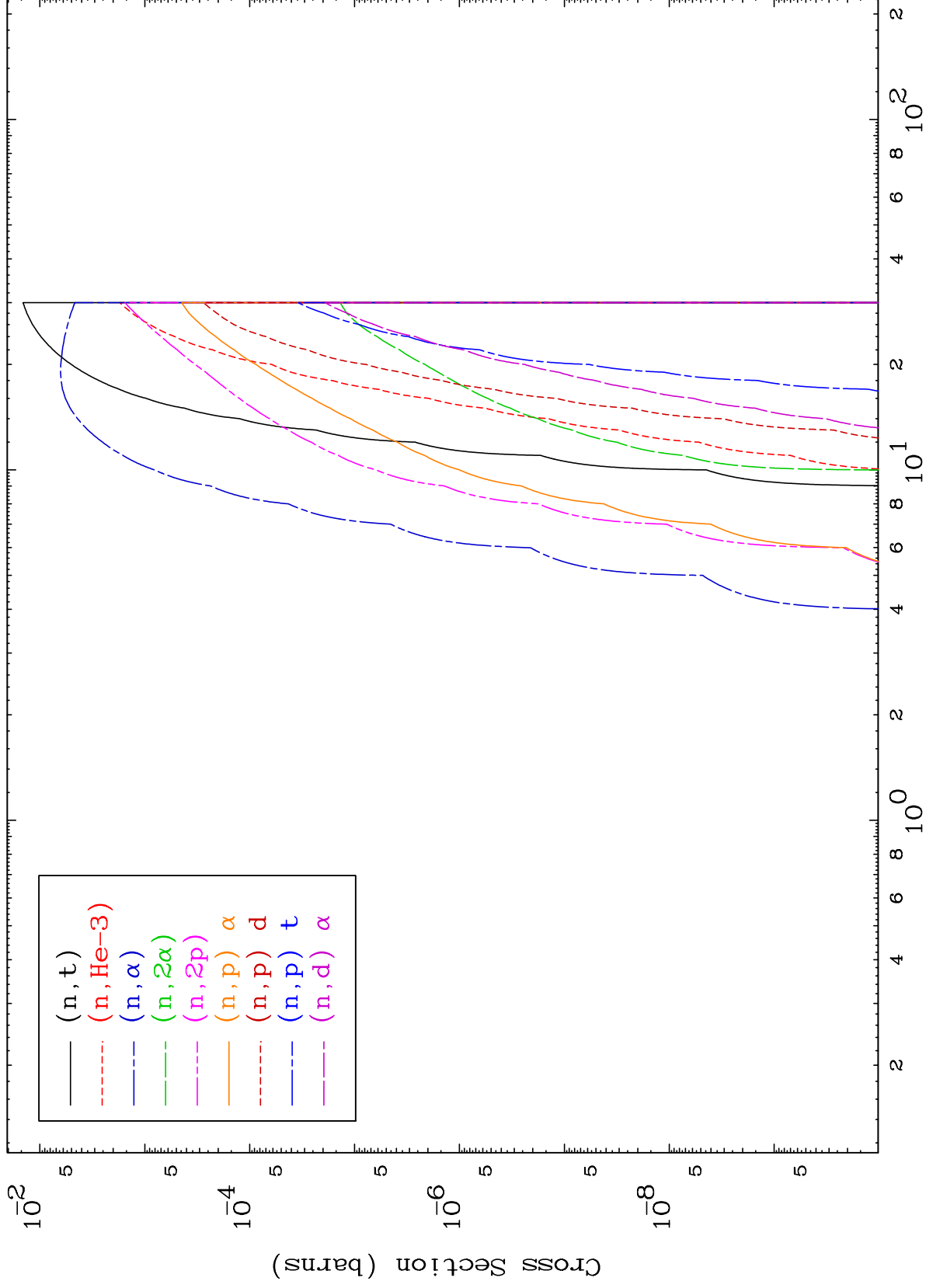
Press Mouse Button to Start

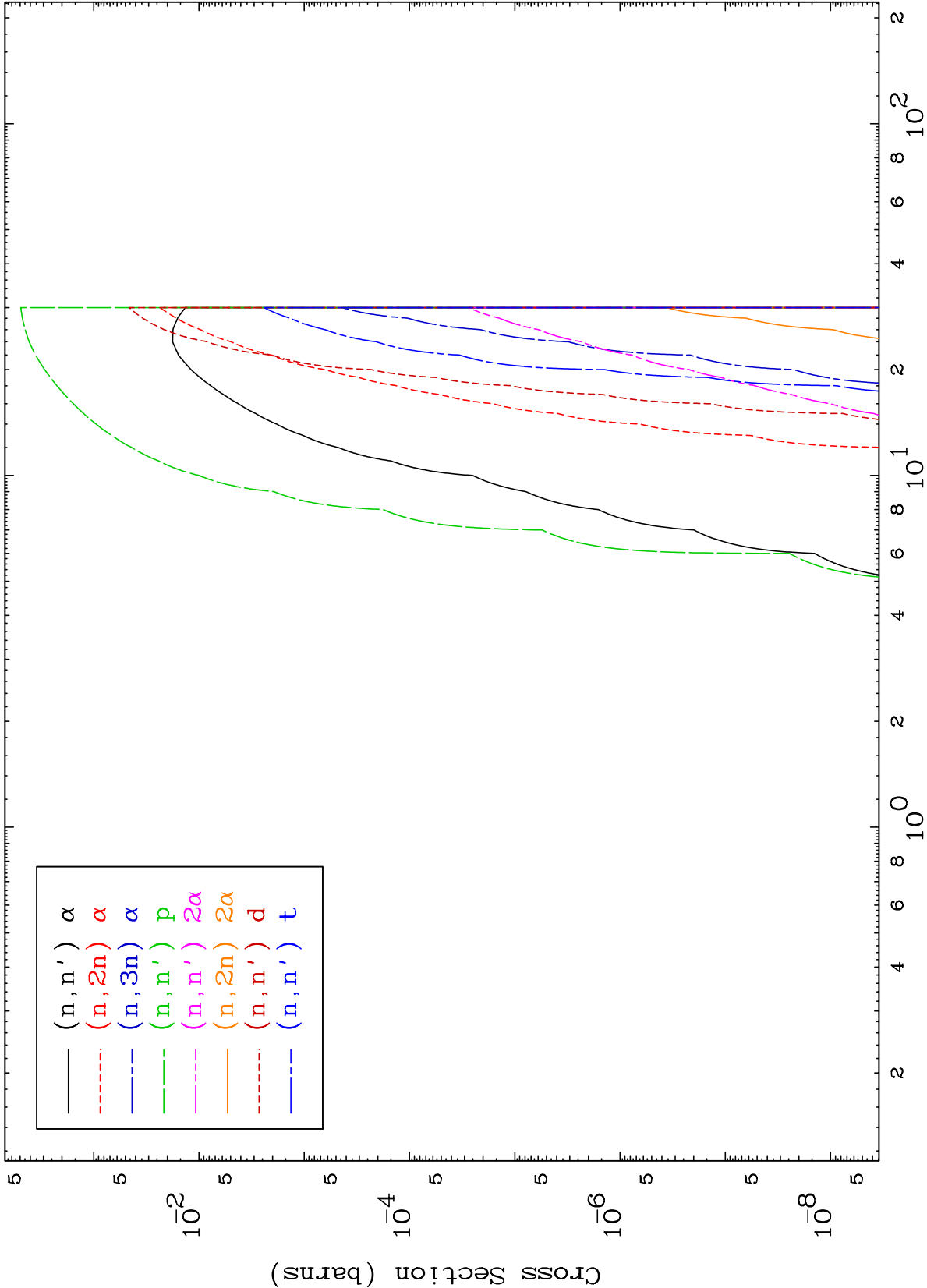
0 Kelvin Cross Sections

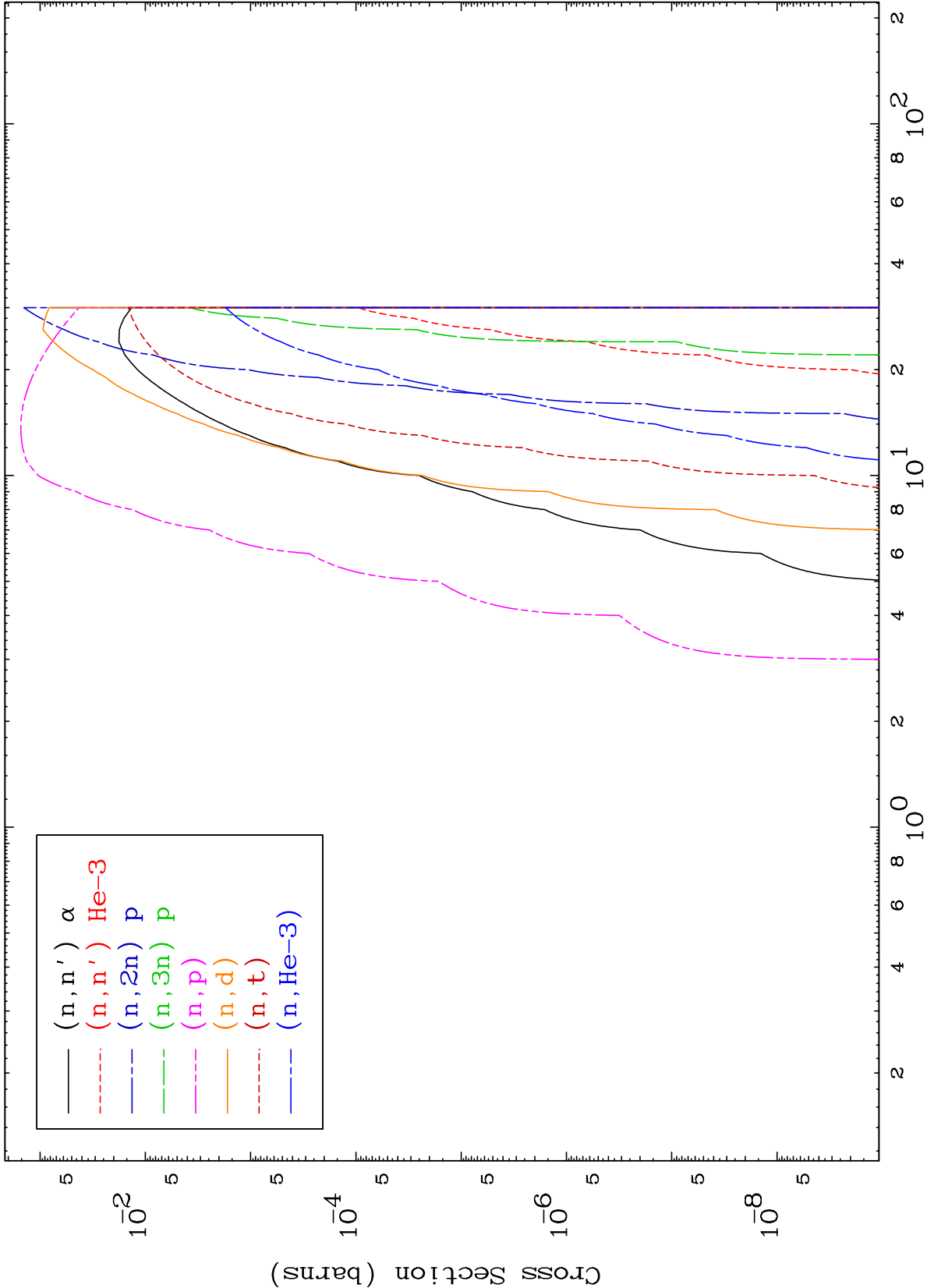


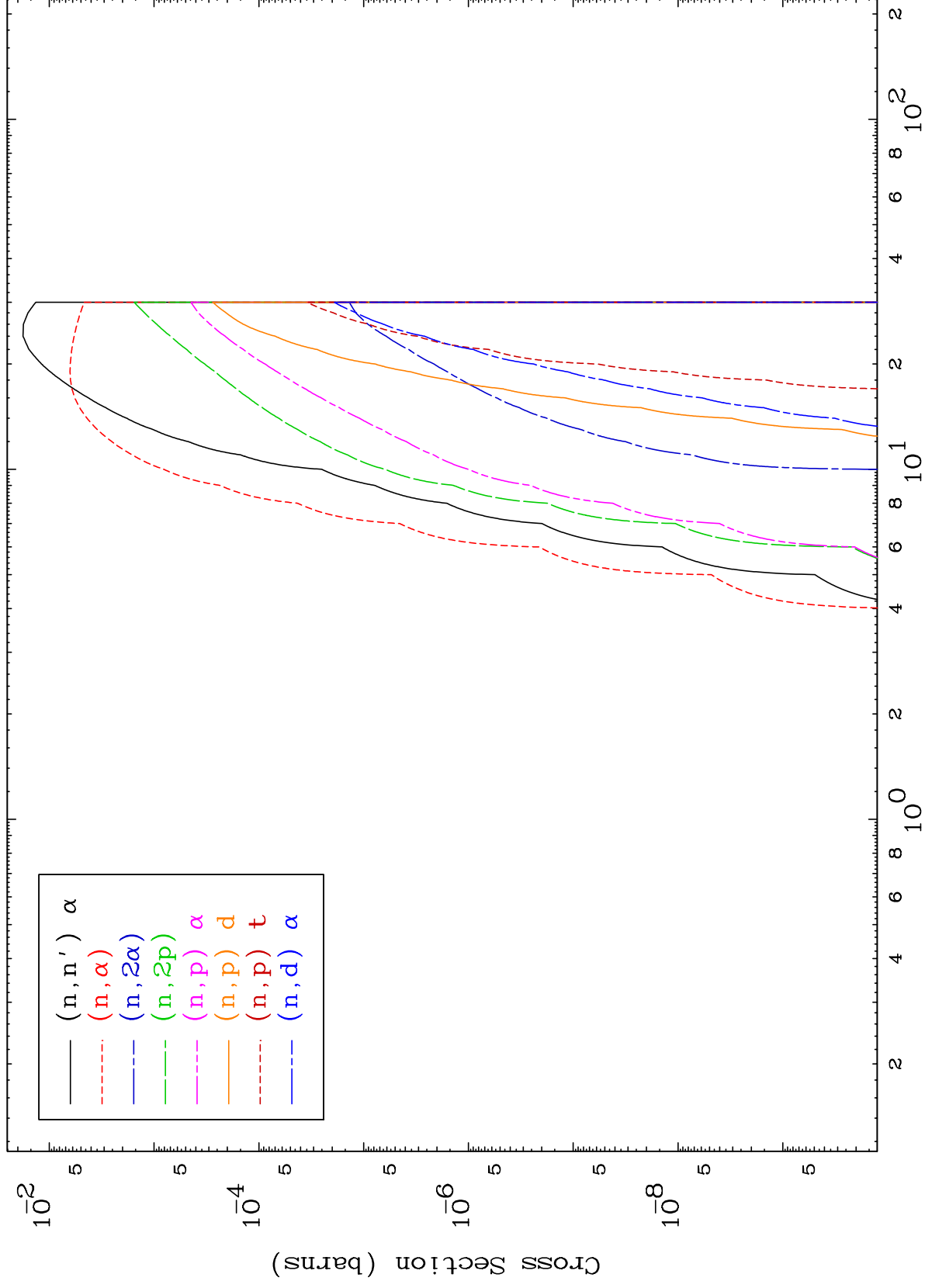










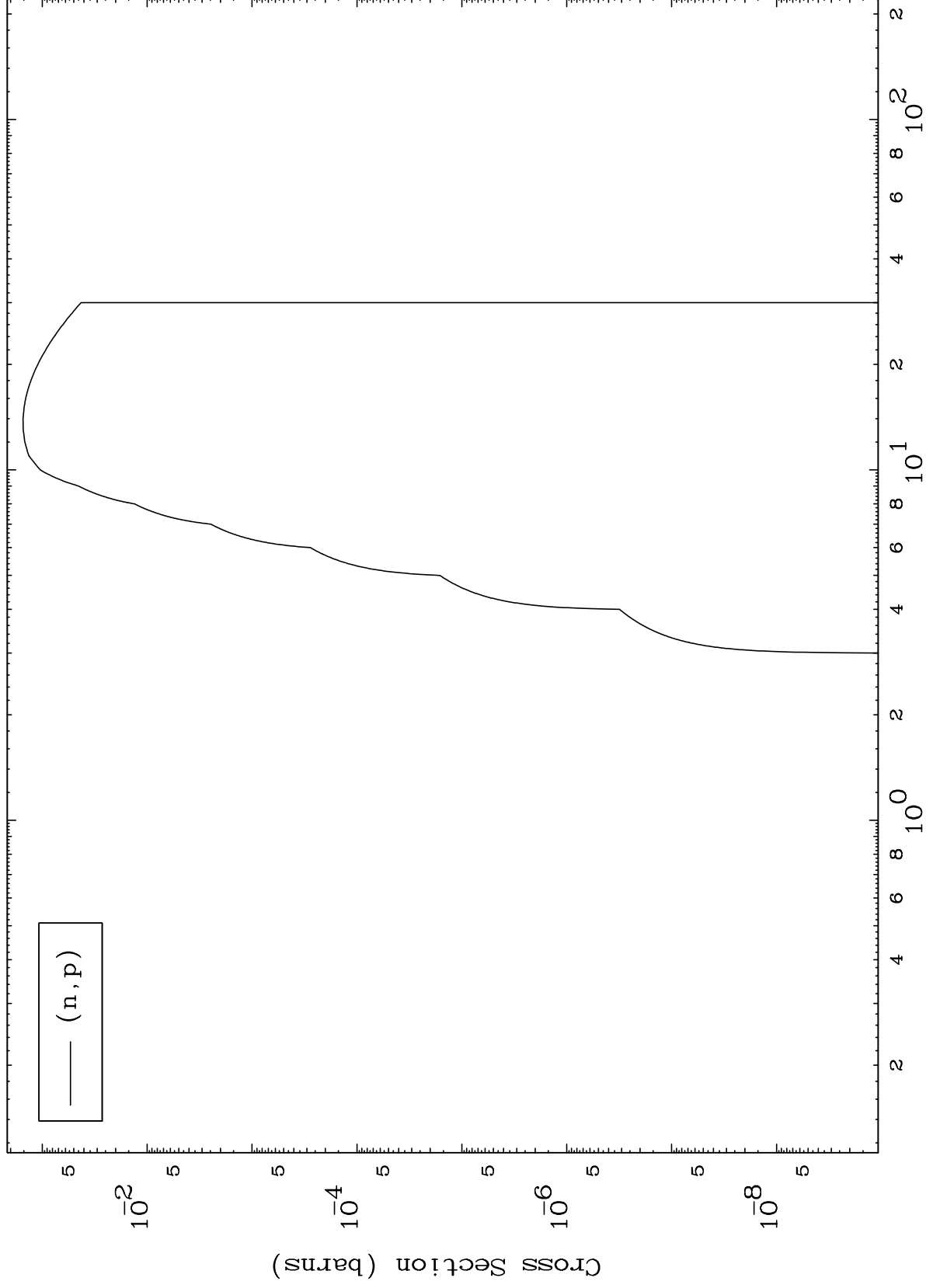




MAT 7896

79-Au-187m

(d,p) Levels  
0 Kelvin Cross Sections



8

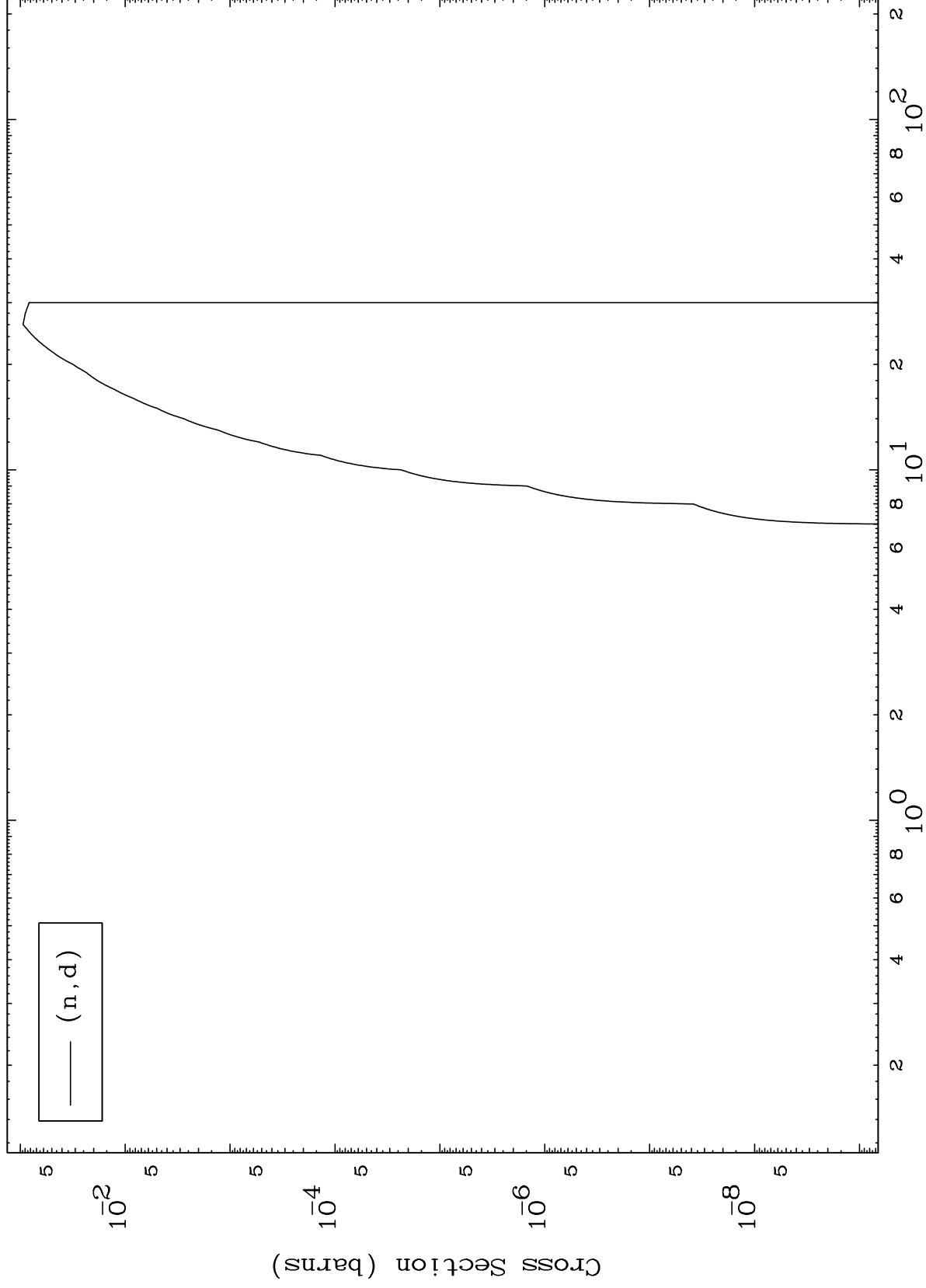
Incident Energy (MeV)

79-Au-187m

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79-Au-187m

(d,d) Levels  
0 Kelvin Cross Sections

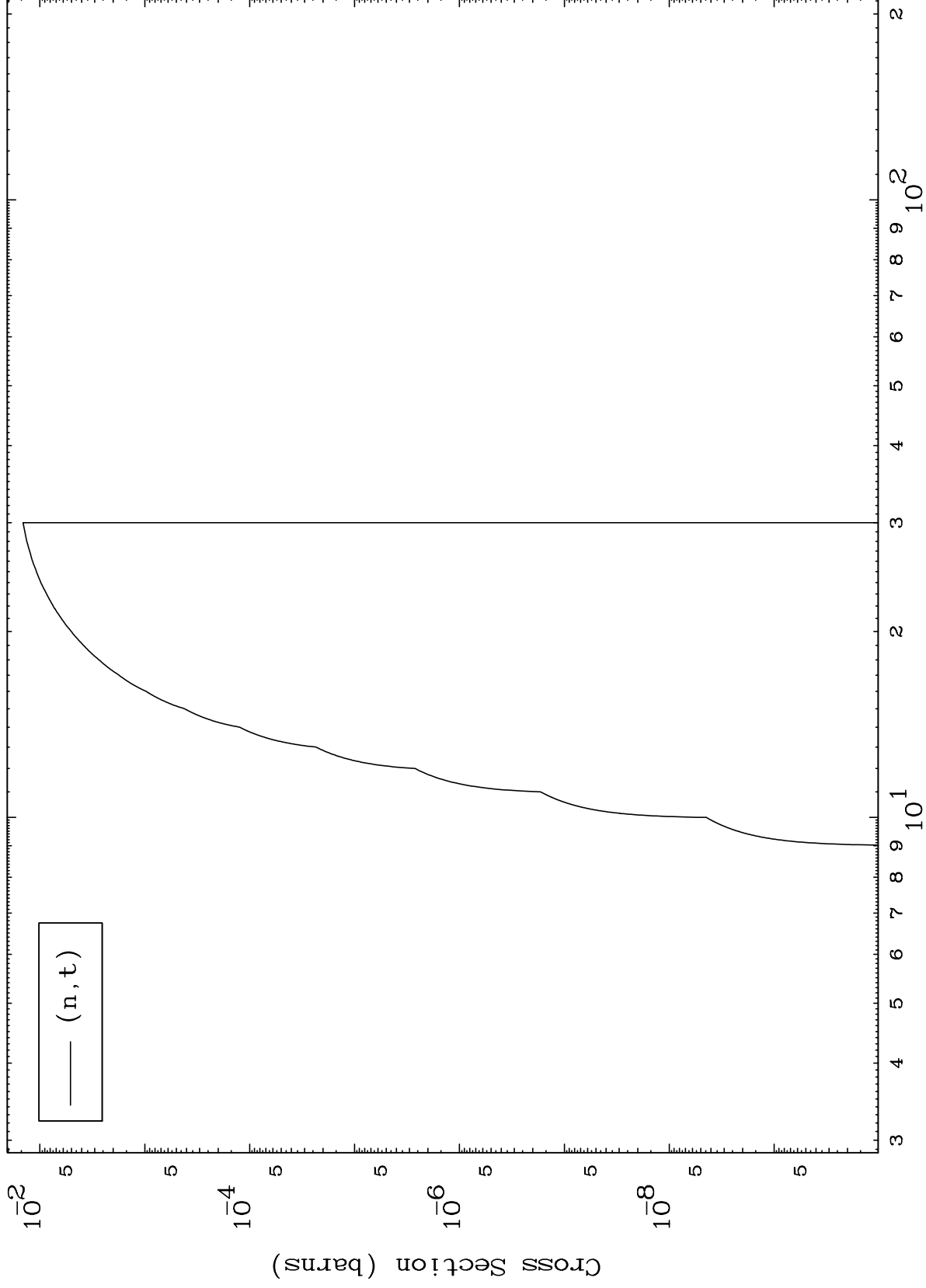


— (n,d)

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<sup>79</sup>Au-187m

(d,t) Levels  
0 Kelvin Cross Sections



<sup>79</sup>Au-187m

Incident Energy (MeV)

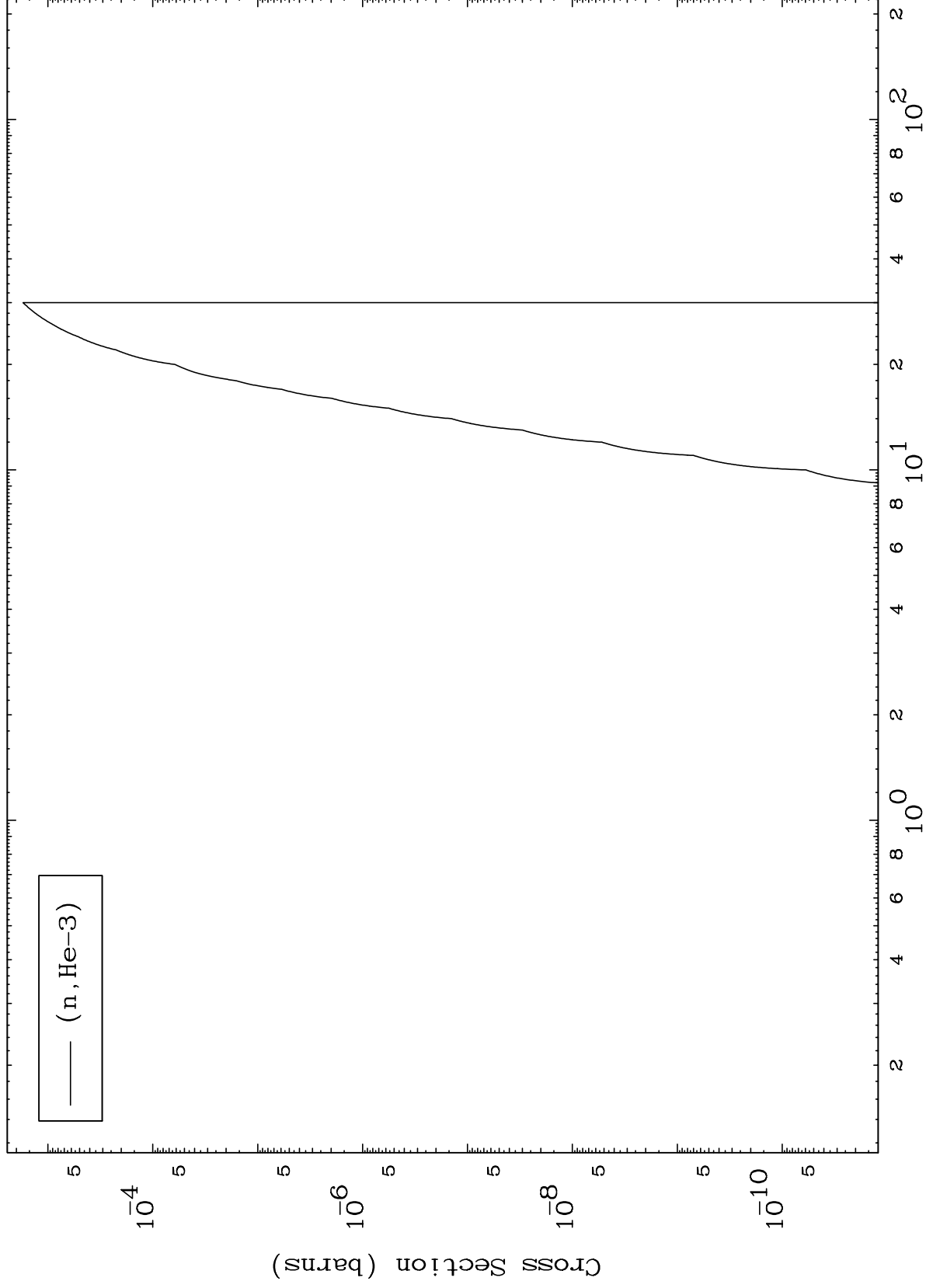
10

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(d,He3) Levels

79-Au-187m

0 Kelvin Cross Sections



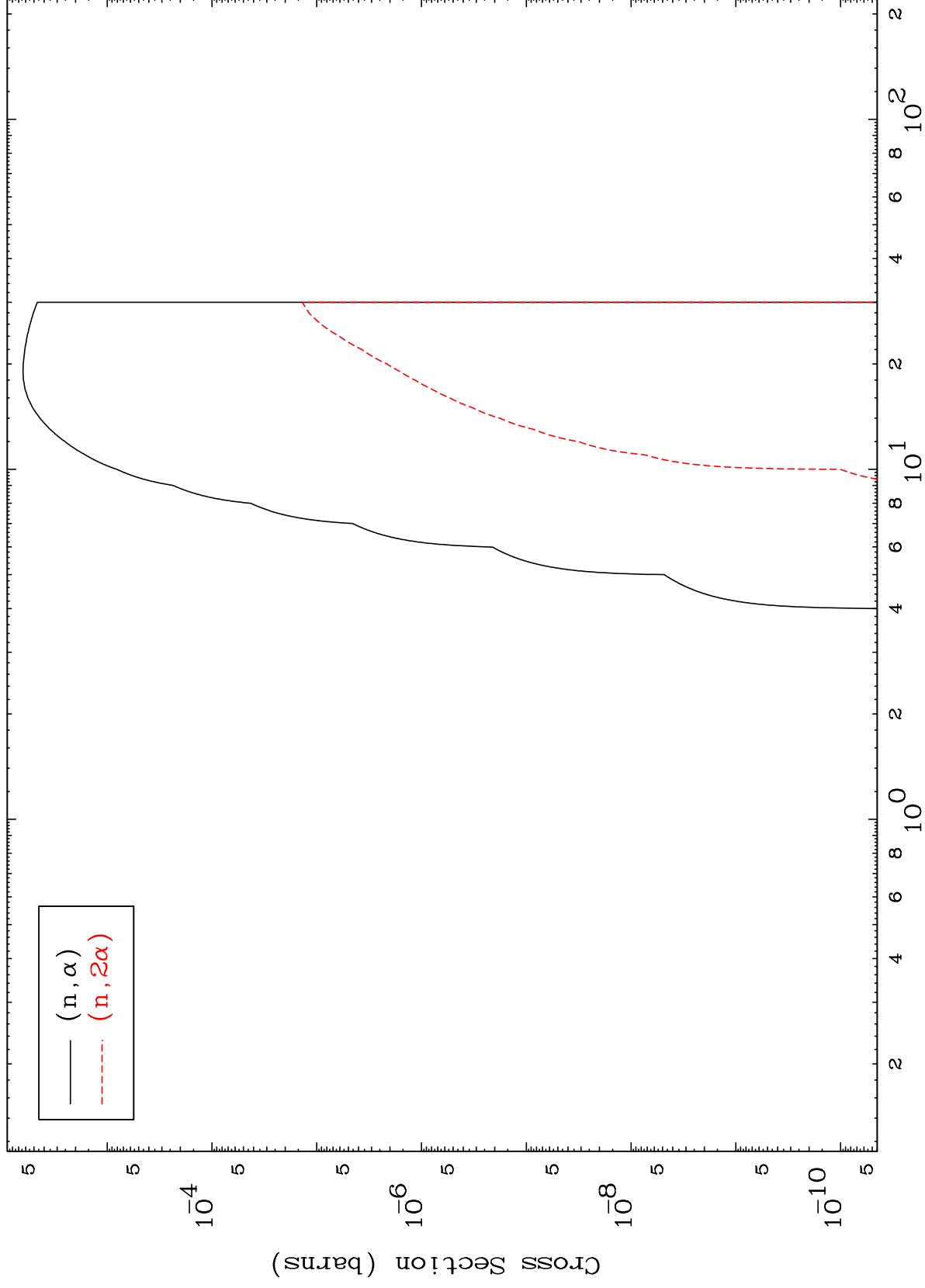
— (n, He-3)

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(d,  $\alpha$ ) Levels

$^{79}\text{Au-187m}$

0 Kelvin Cross Sections



12

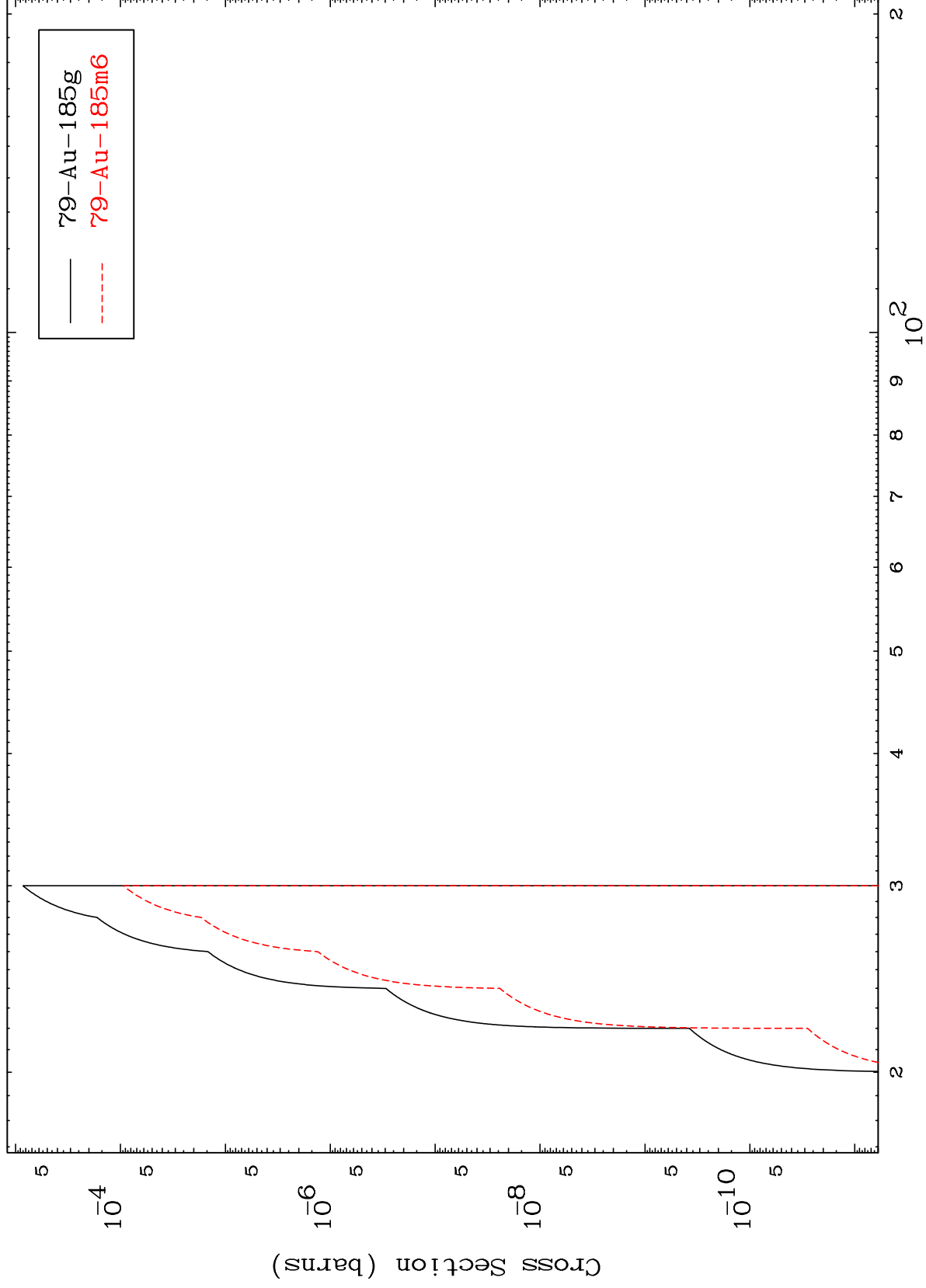
Incident Energy (MeV)

$^{79}\text{Au-187m}$

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<sup>79</sup>Au-187m

(n,2n) d  
Radionuclide Production Cross Section



<sup>79</sup>Au-187m

Incident Energy (MeV)

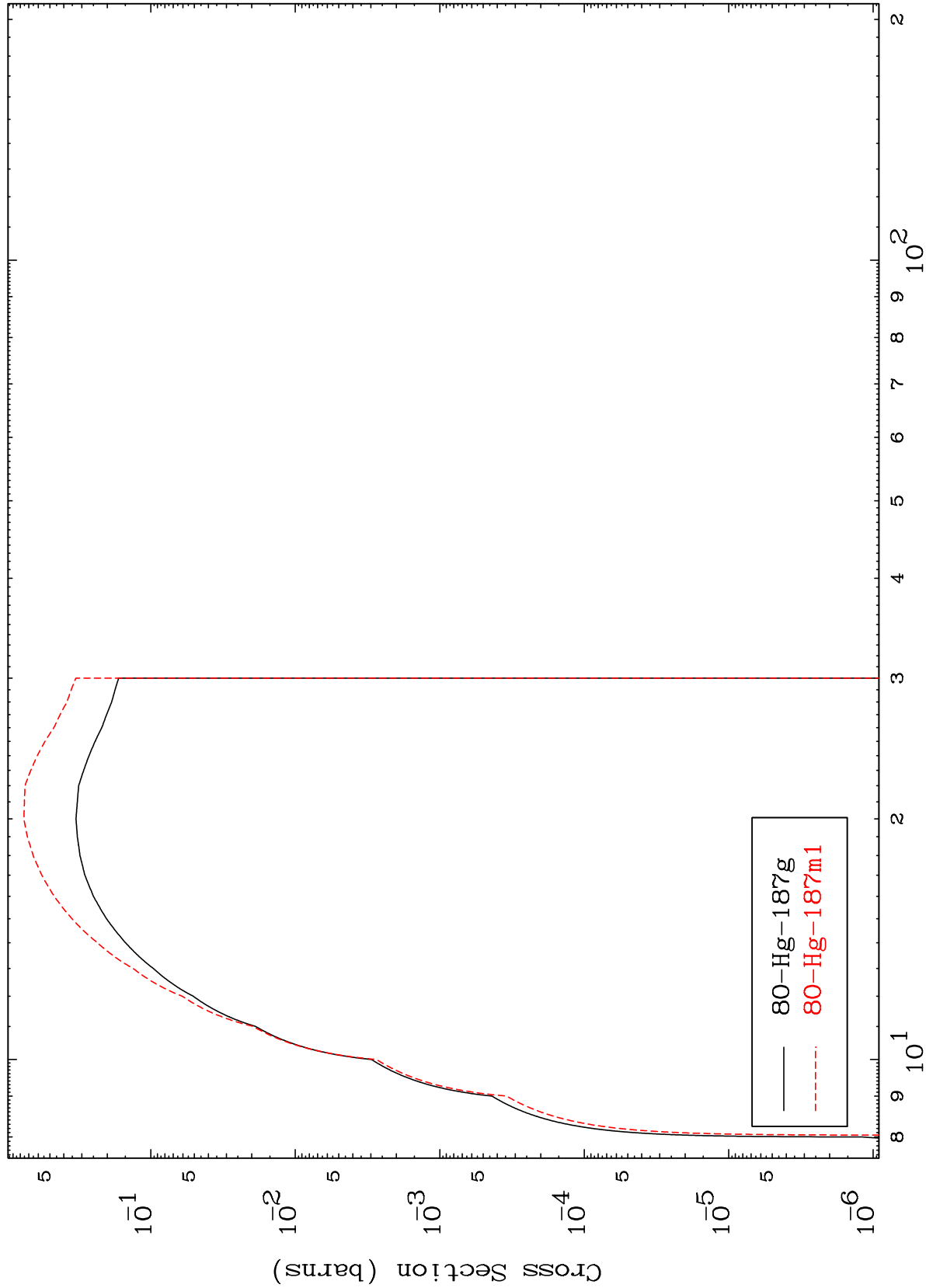
13

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$^{79}\text{Au-187m}$

Radionuclide Production Cross Section

(n,2n)



$^{79}\text{Au-187m}$

Incident Energy (MeV)

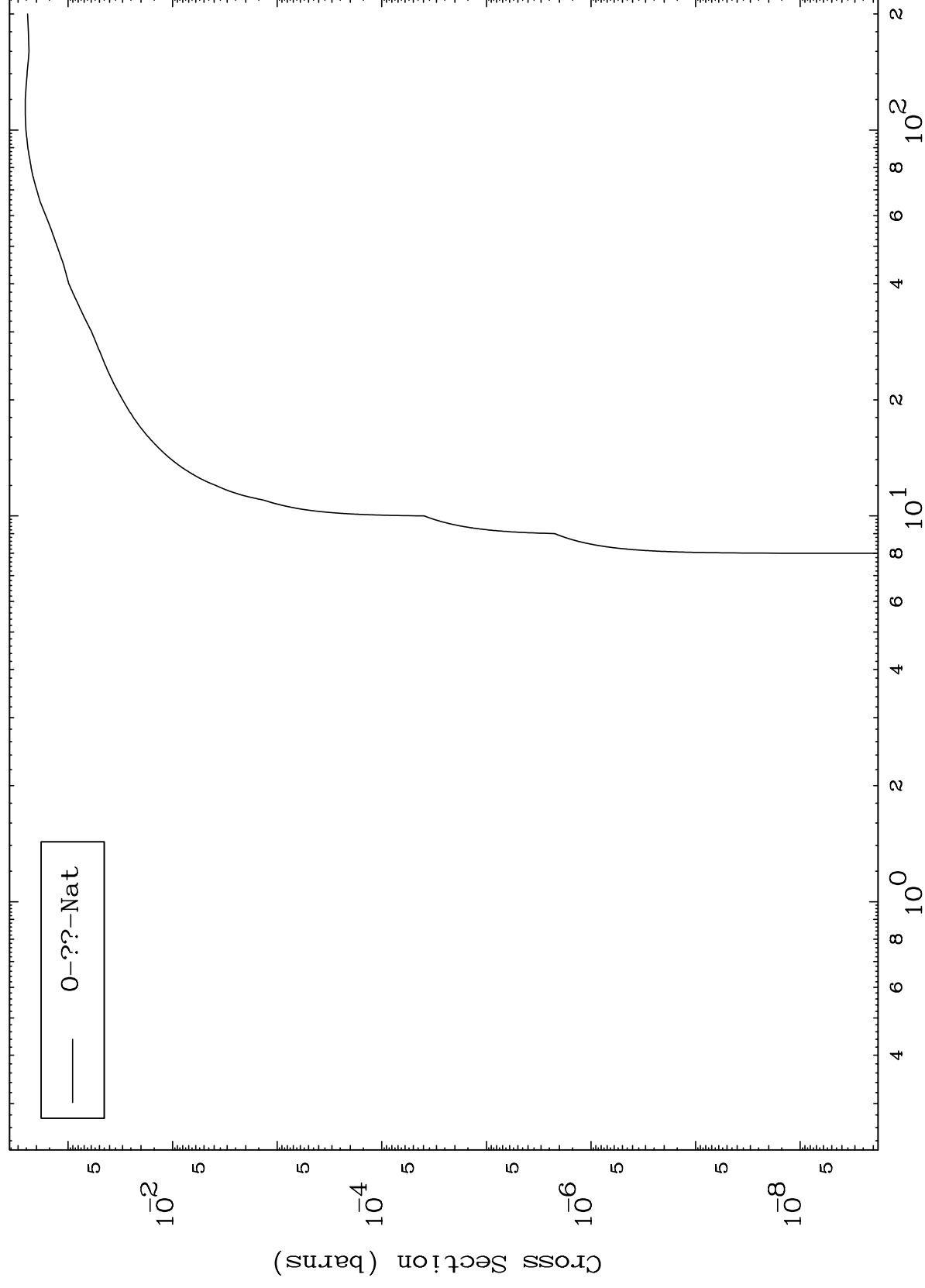
14

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## Fission

79-Au-187m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

79-Au-187m

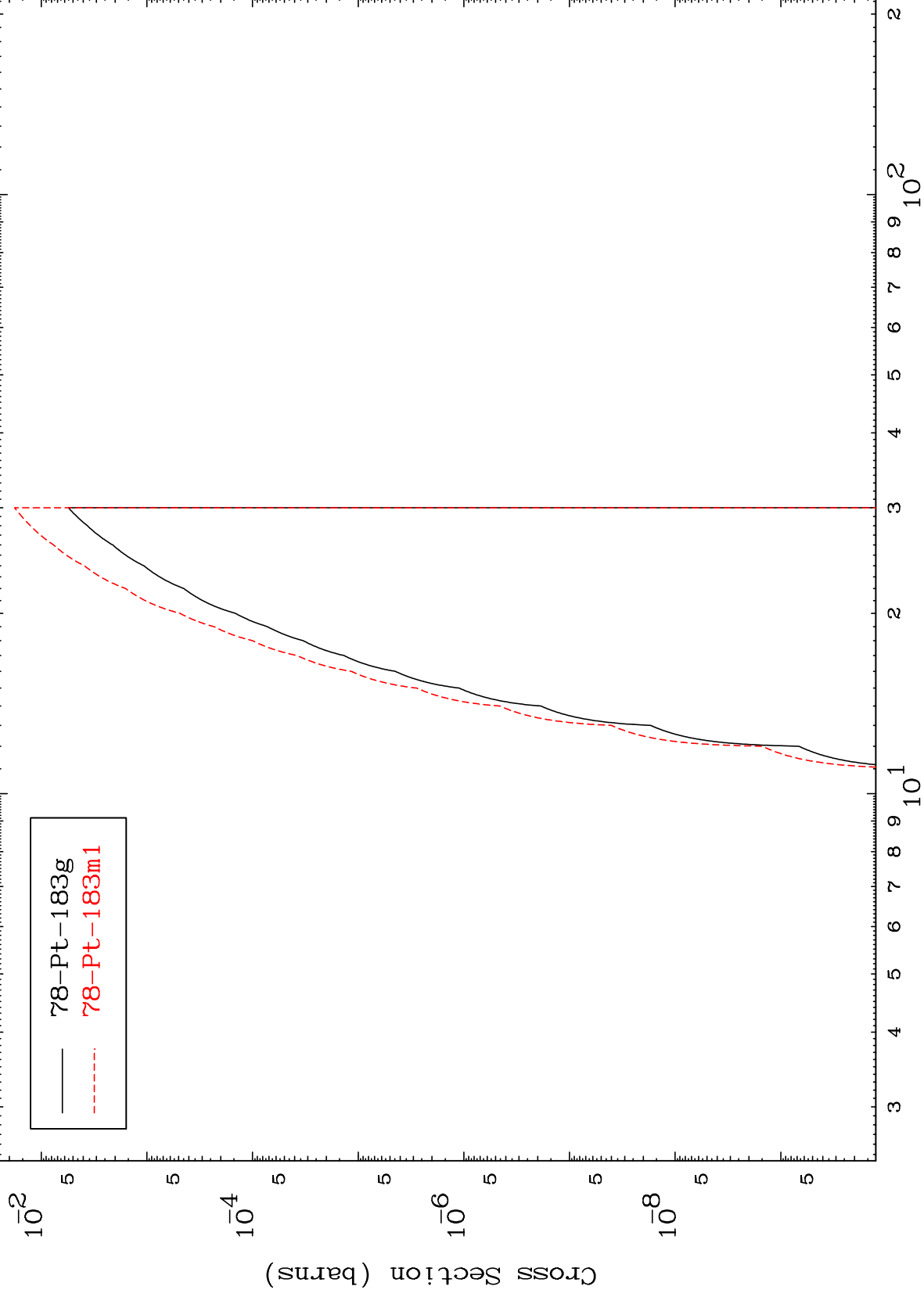


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$^{79}\text{Au-187m}$

$(n,2n) \alpha$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

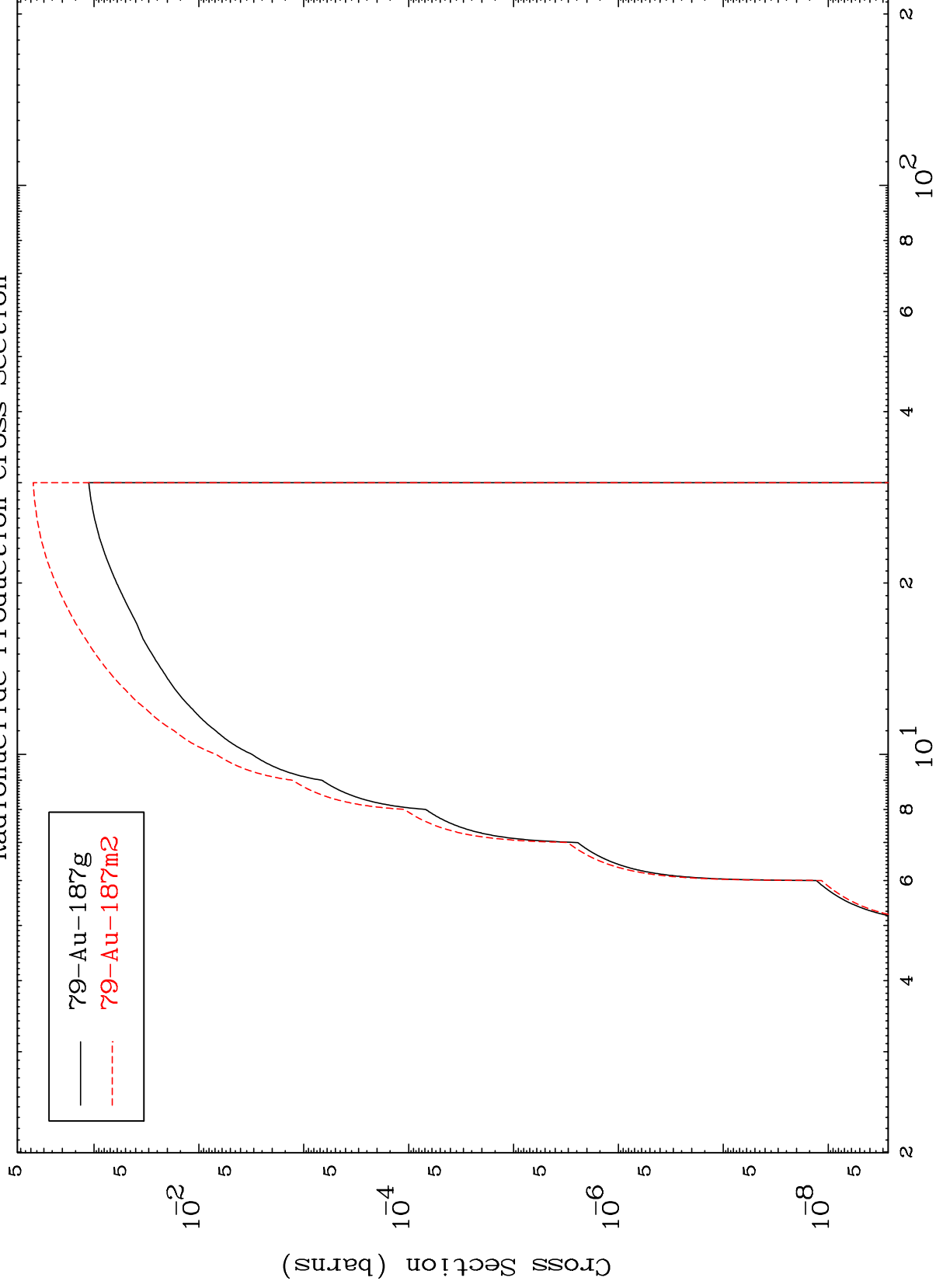
$^{79}\text{Au-187m}$

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$^{79}\text{Au-187m}$

Radionuclide Production Cross Section

$(n,n')\text{ p}$

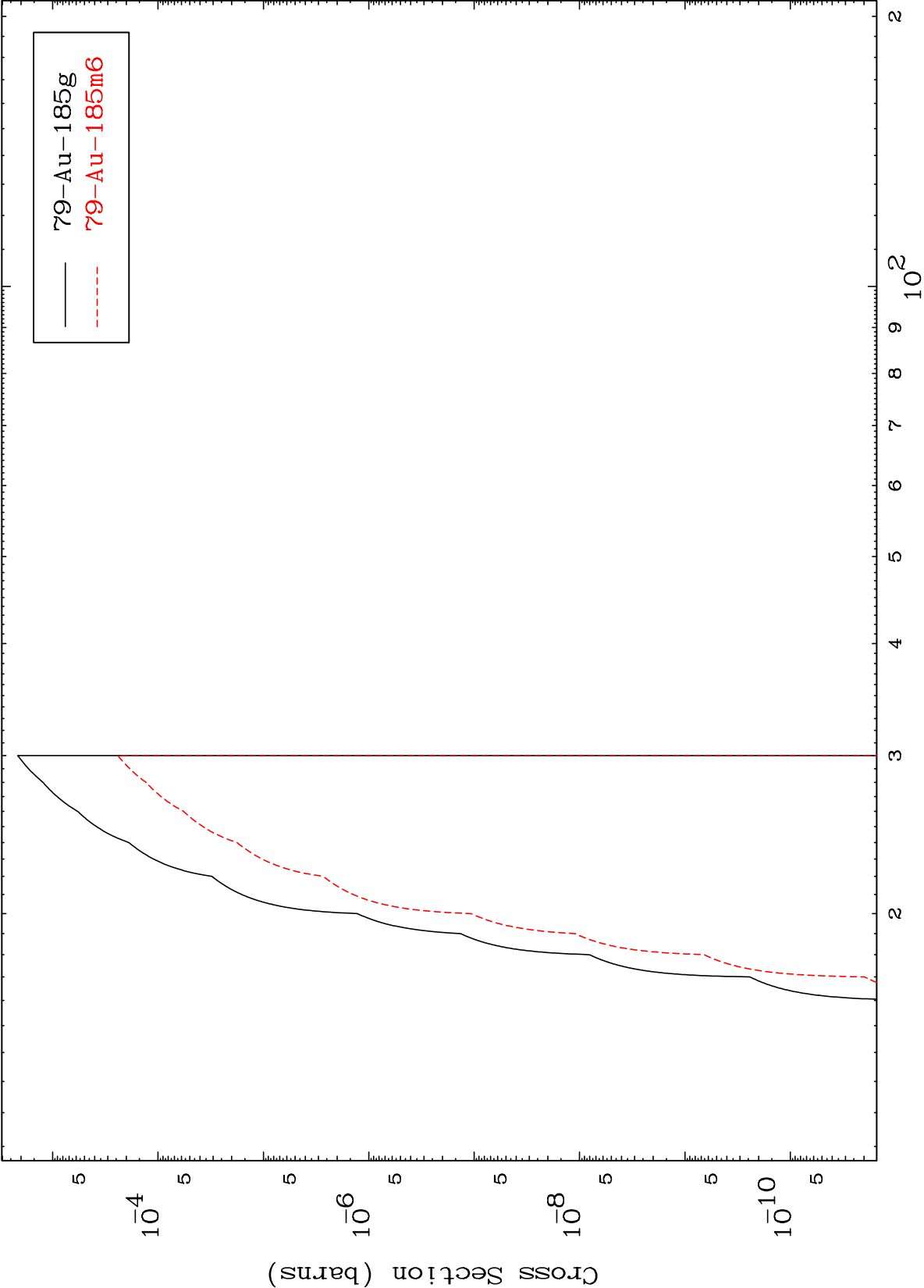


17

Incident Energy (MeV)

$^{79}\text{Au-187m}$

Radionuclide Production Cross Section

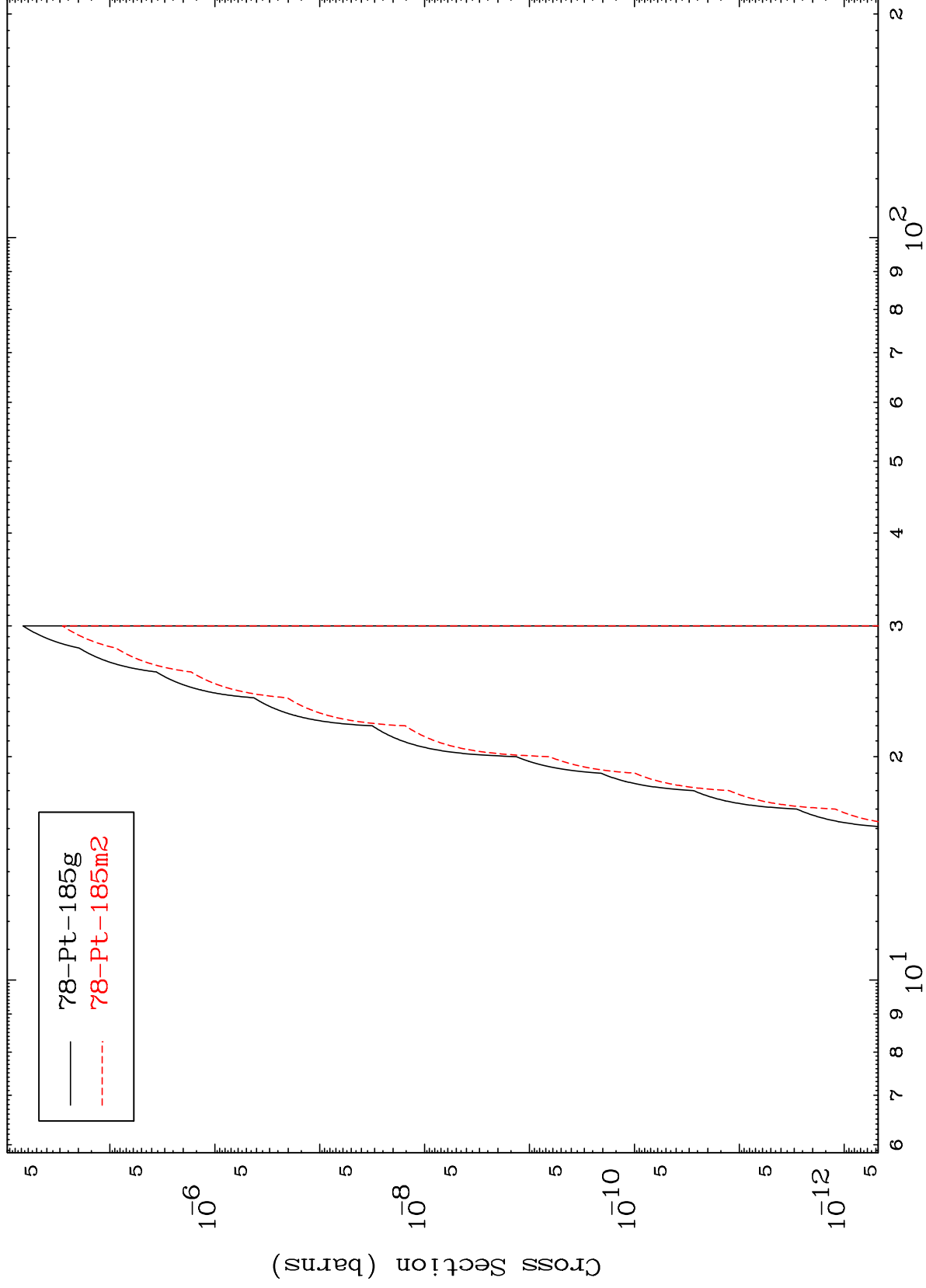


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(n,n') He-3

<sup>79</sup>Au-<sup>187</sup>m

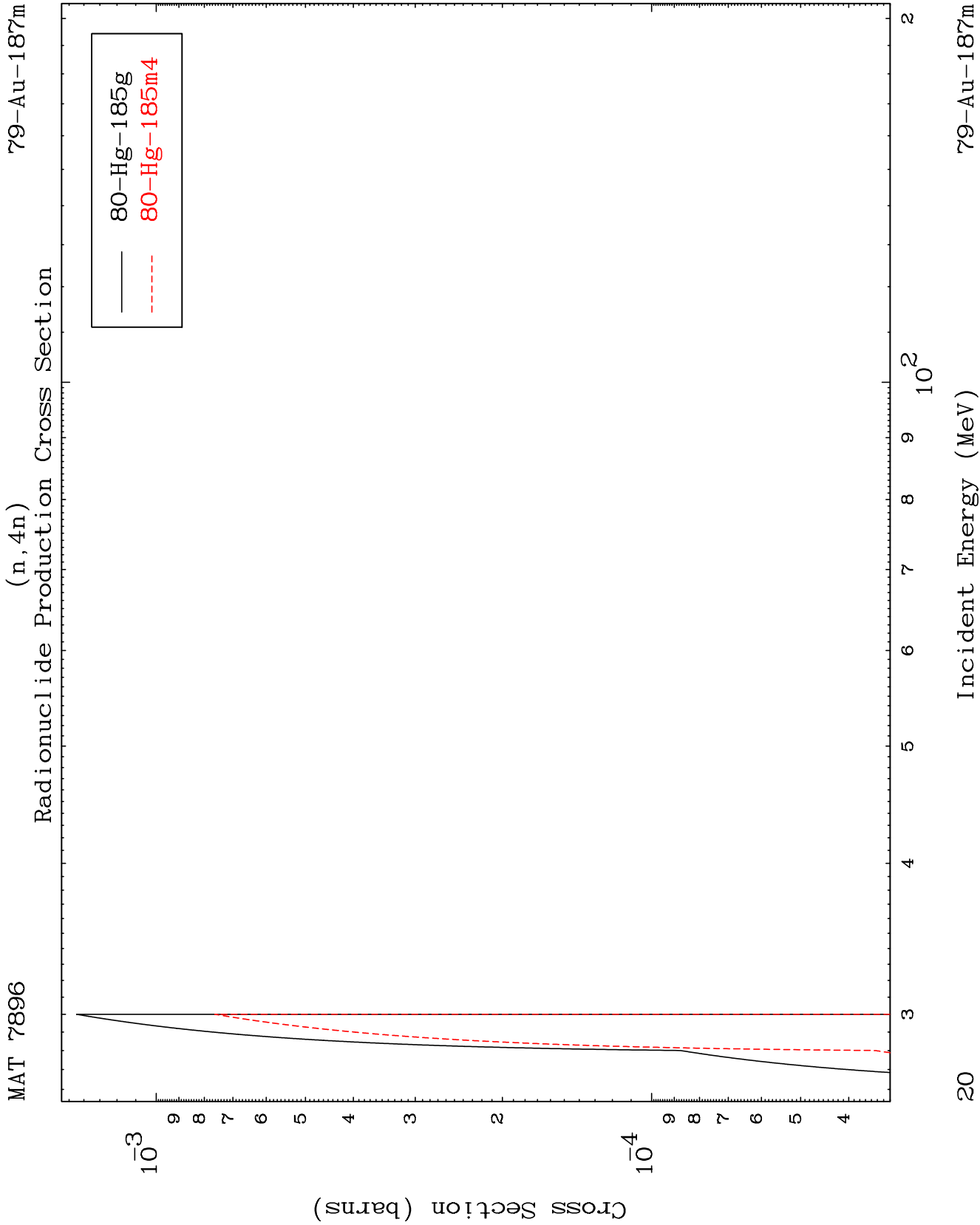
Radionuclide Production Cross Section



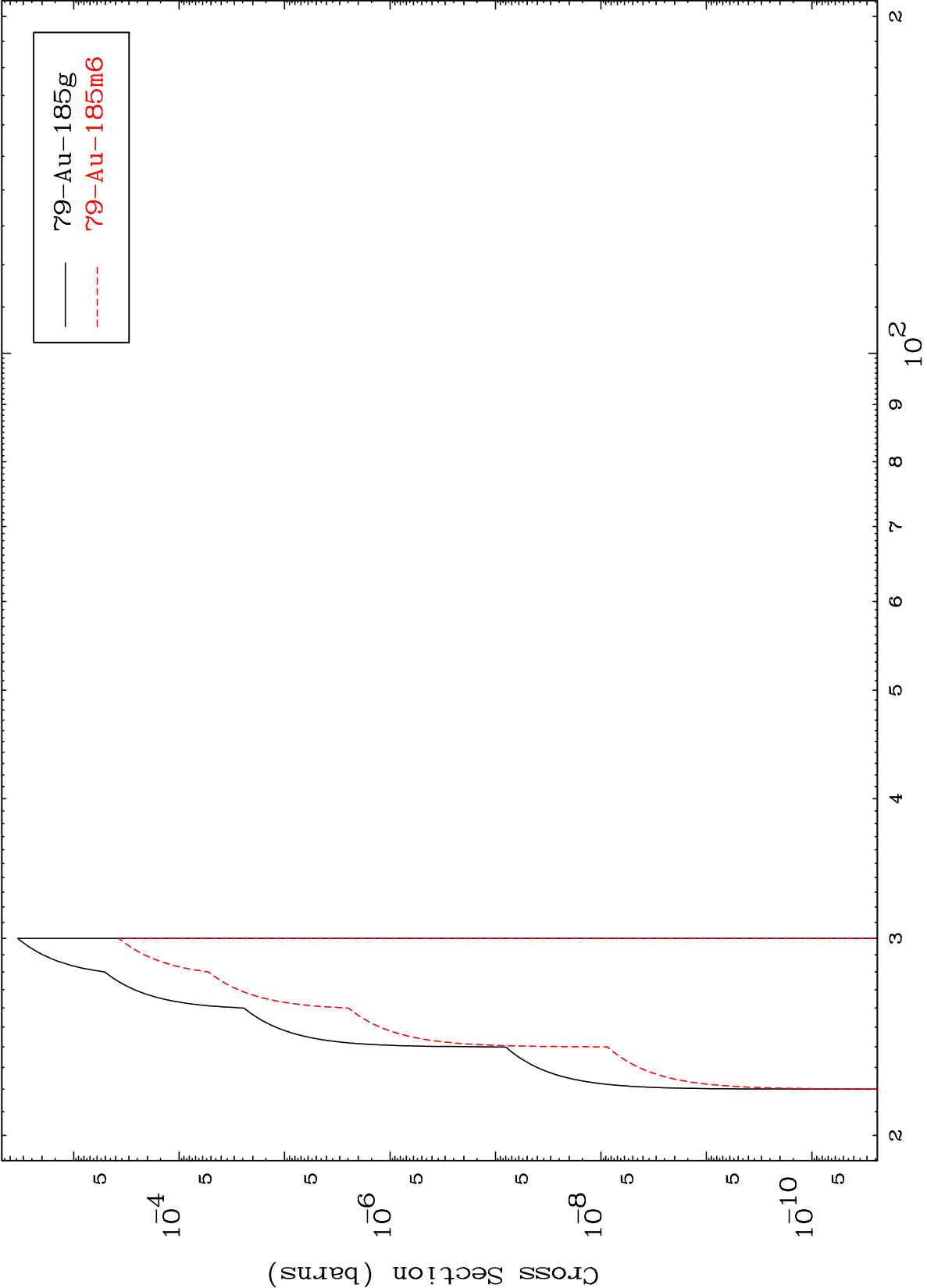
19

Incident Energy (MeV)

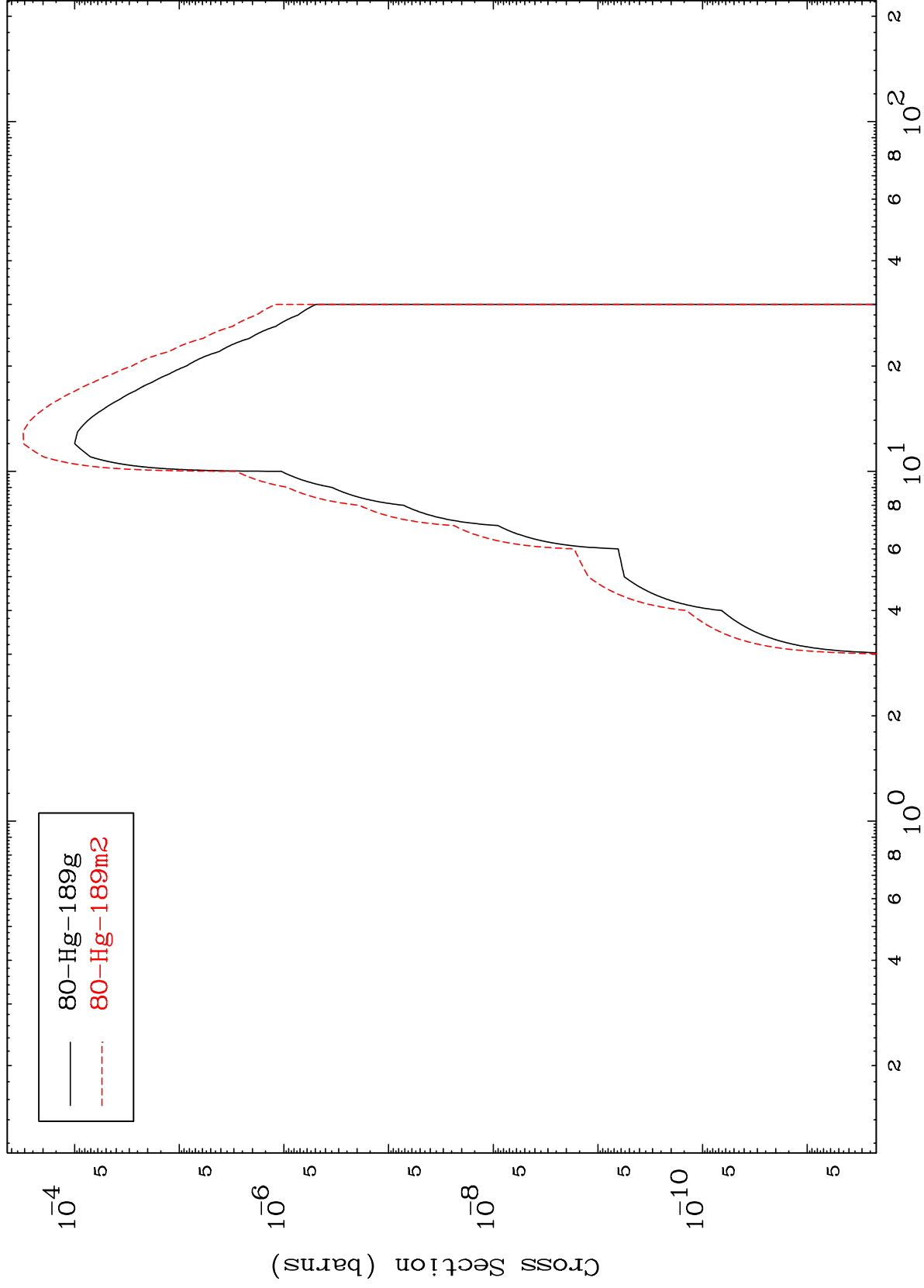
<sup>79</sup>Au-<sup>187</sup>m



Radionuclide Production Cross Section



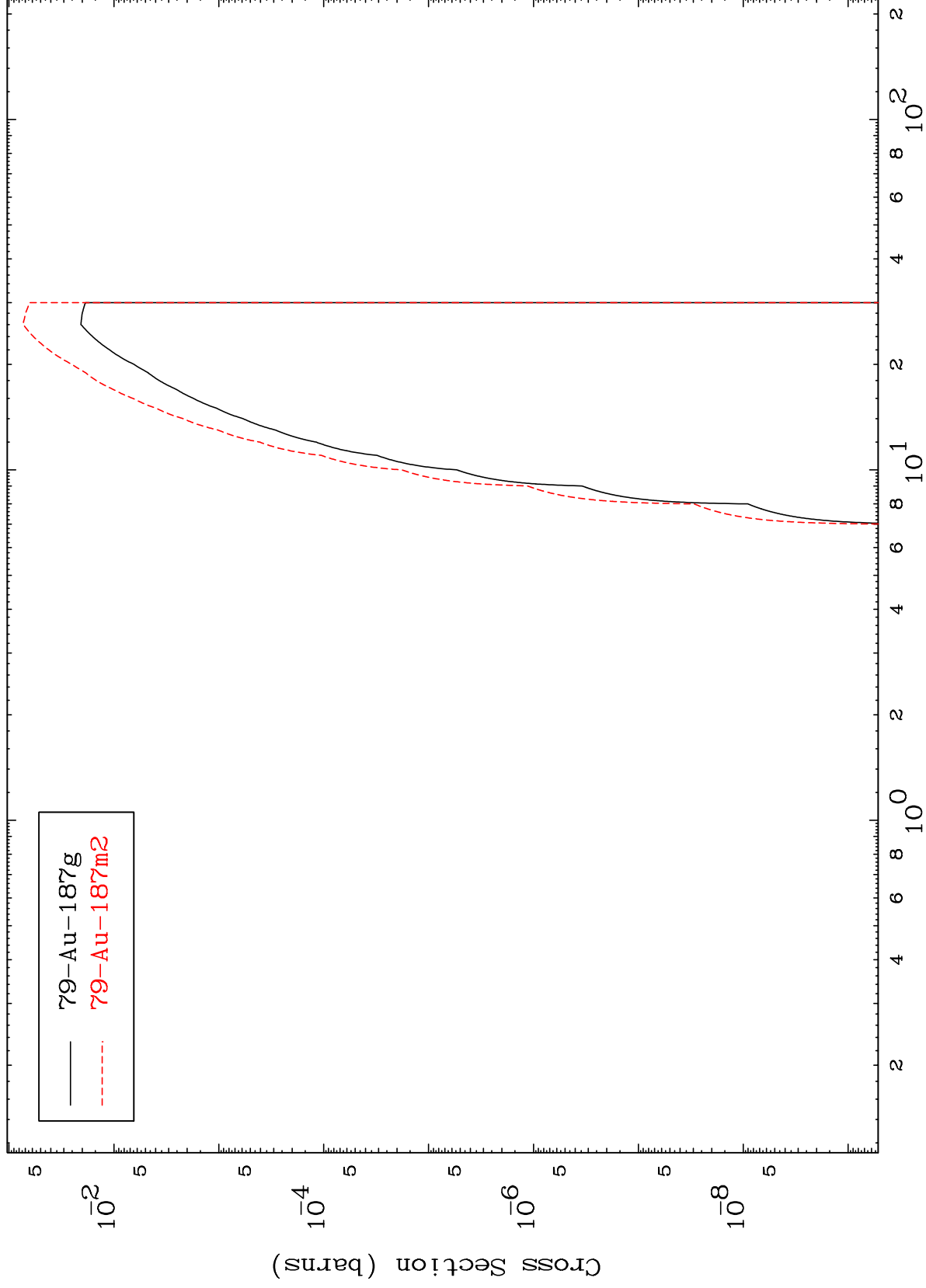
Radionuclide Production Cross Section  
(n,  $\gamma$ )



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$^{79}\text{Au-187m}$

Radionuclide Production Cross Section (n,d)



23

Incident Energy (MeV)

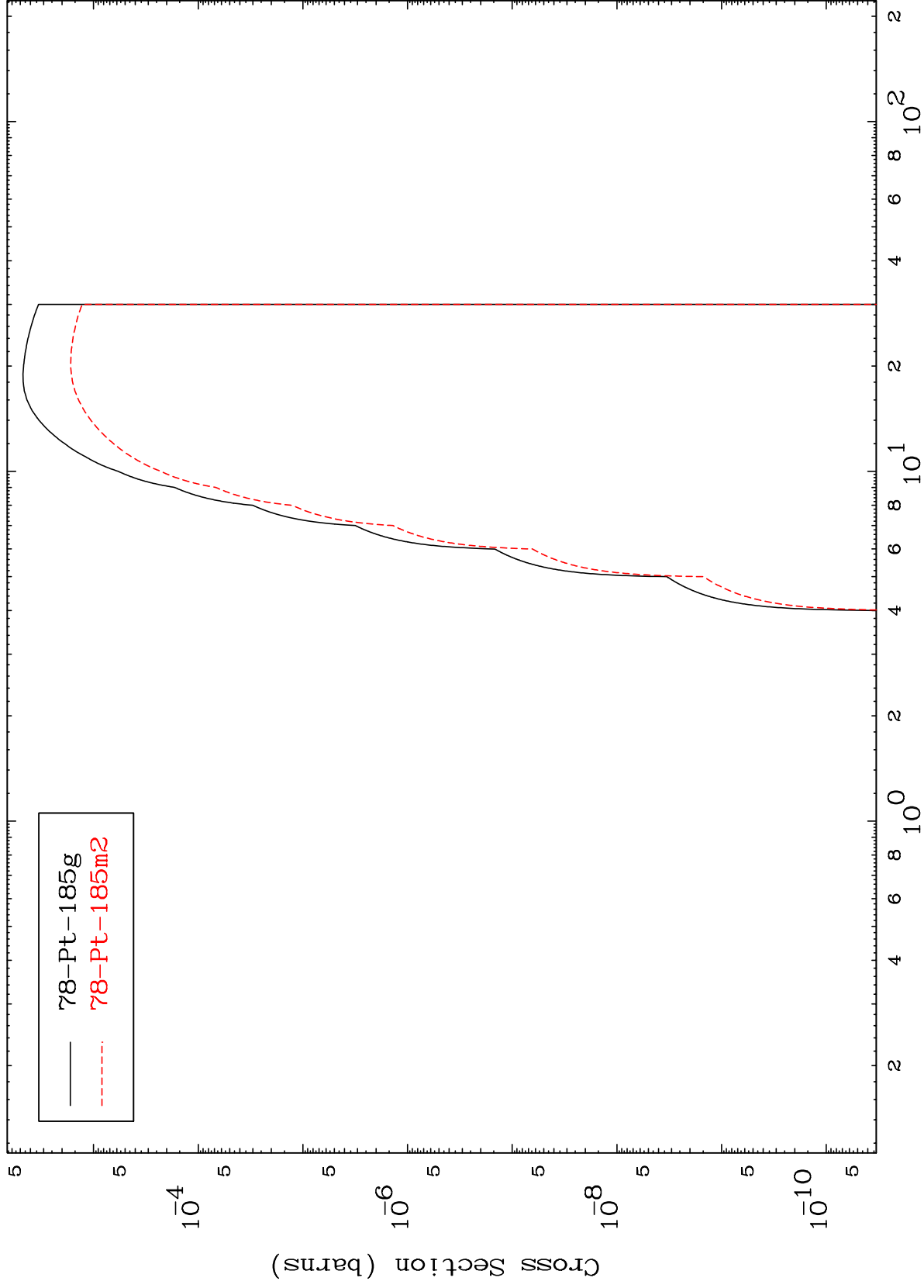
$^{79}\text{Au-187m}$



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$^{79}\text{Au-187m}$

Radionuclide Production Cross Section



24

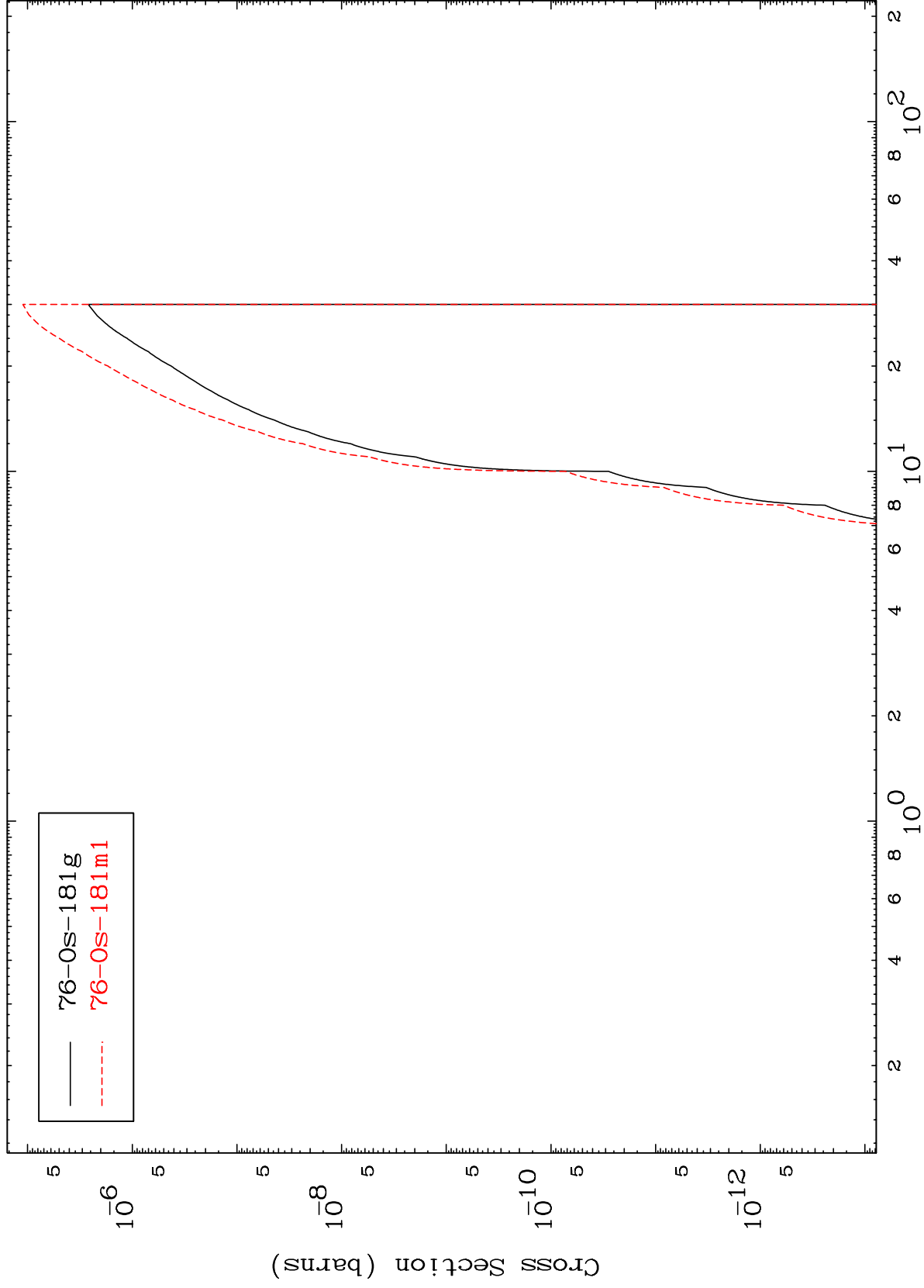
Incident Energy (MeV)

$^{79}\text{Au-187m}$

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<sup>79</sup>Au-187m

(n,2α)  
Radionuclide Production Cross Section



25

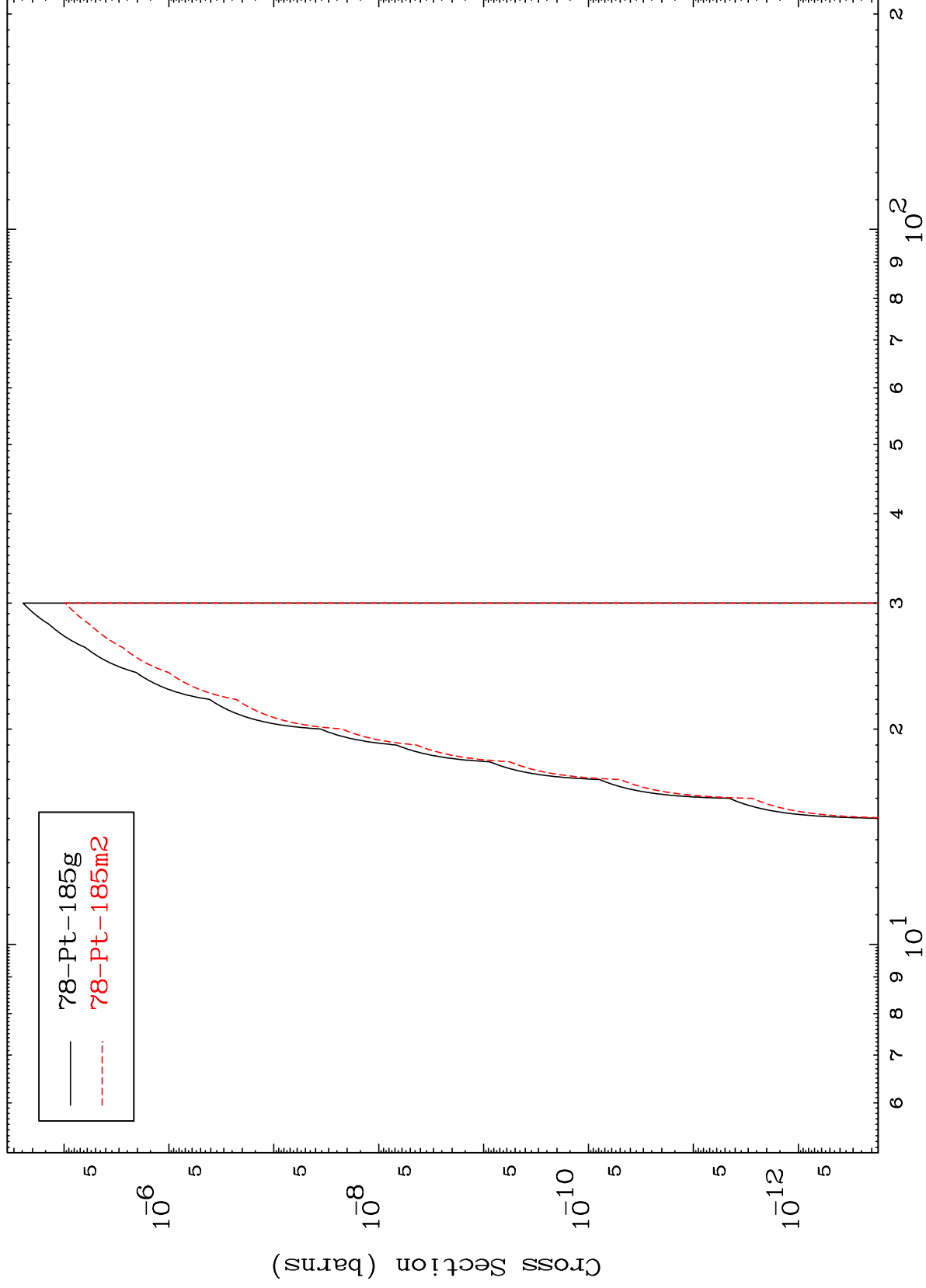
Incident Energy (MeV)

<sup>79</sup>Au-187m

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$^{79}\text{Au-187m}$

(n,p) t  
Radionuclide Production Cross Section



26

Incident Energy (MeV)

$^{79}\text{Au-187m}$