

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

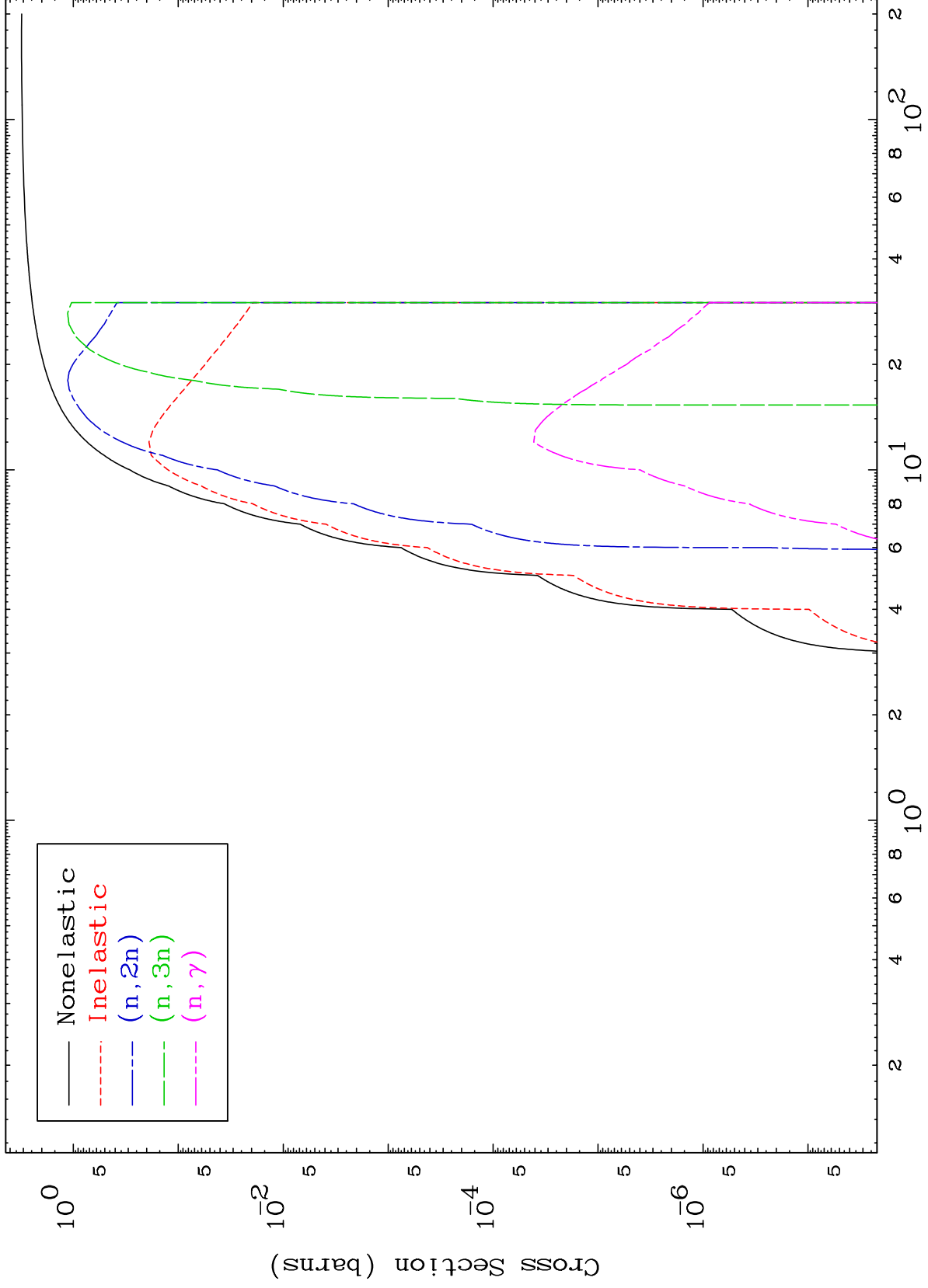
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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

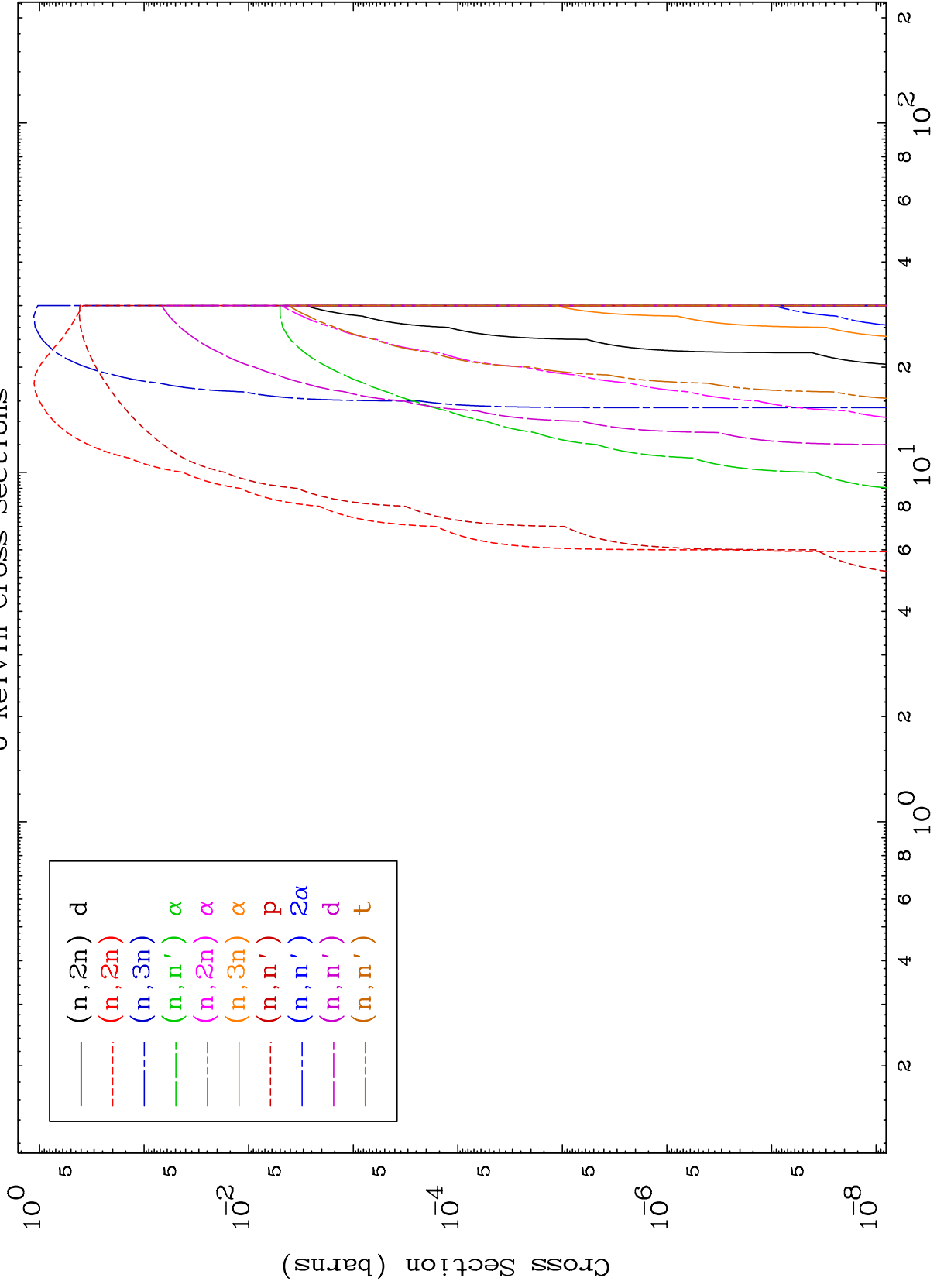
Press Mouse Button to Start



MAT 8022

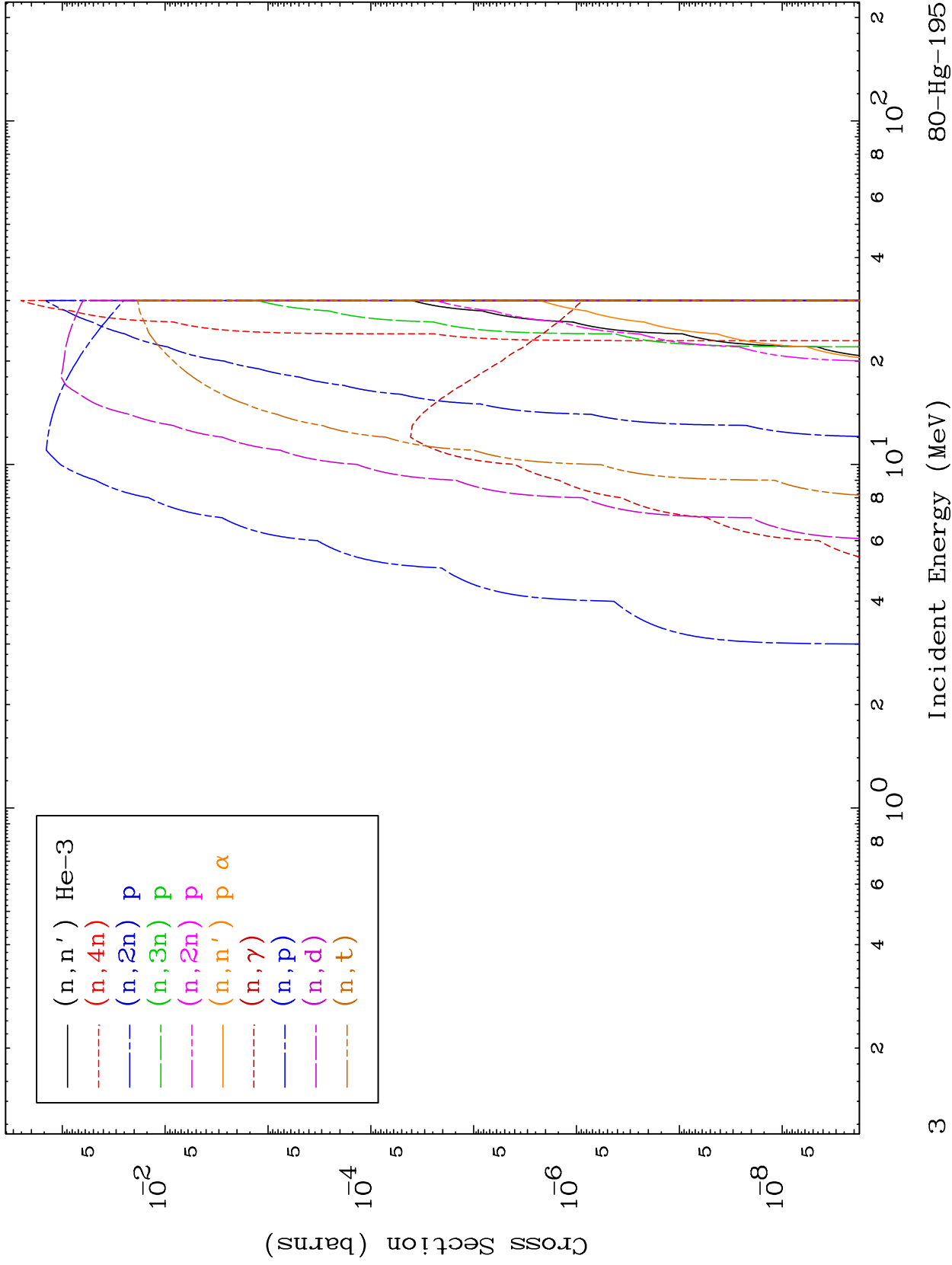
Deuteron Neutron Absorption  
0 Kelvin Cross Sections

80-Hg-195



Incident Energy (MeV)

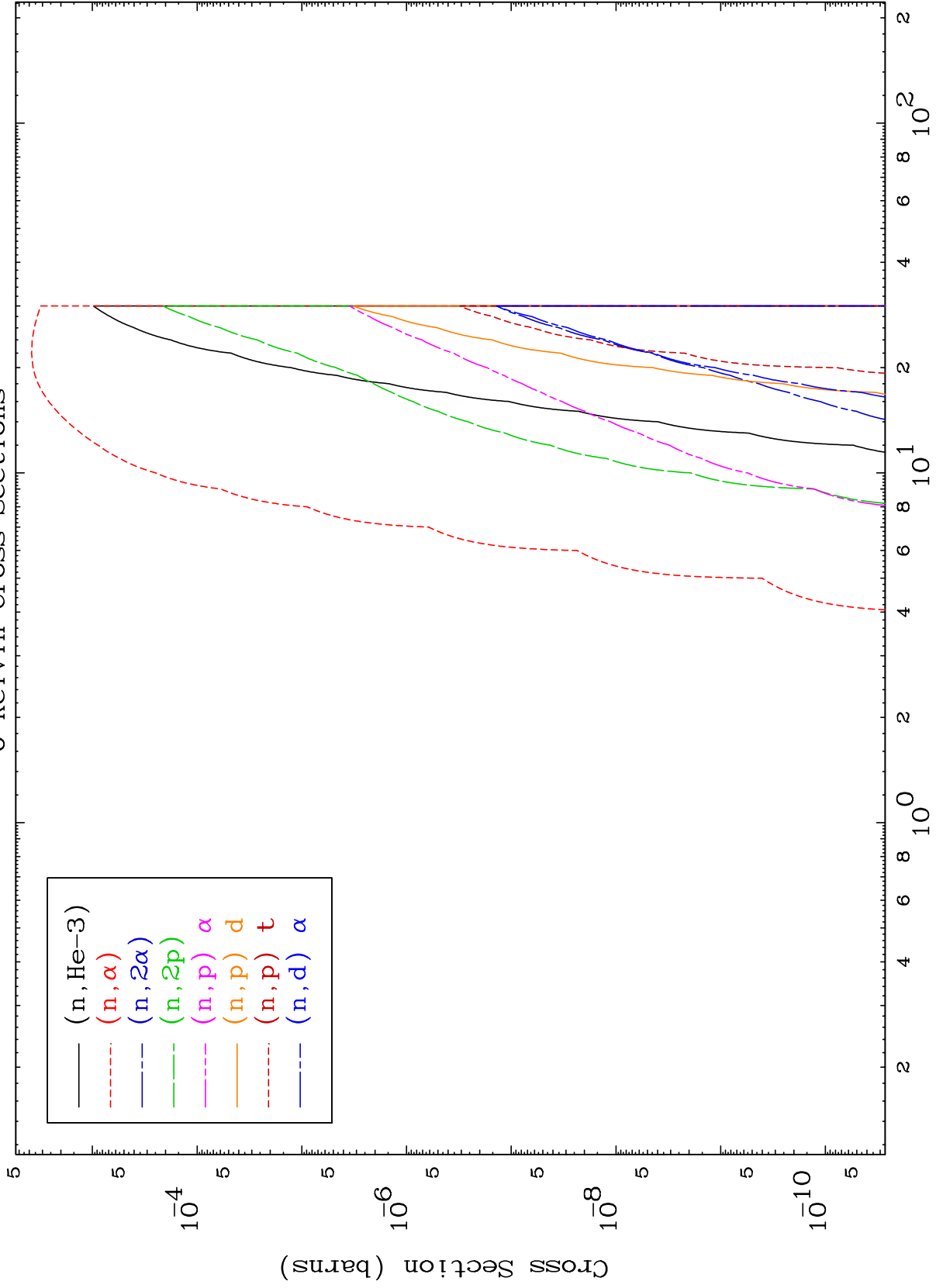
80-Hg-195

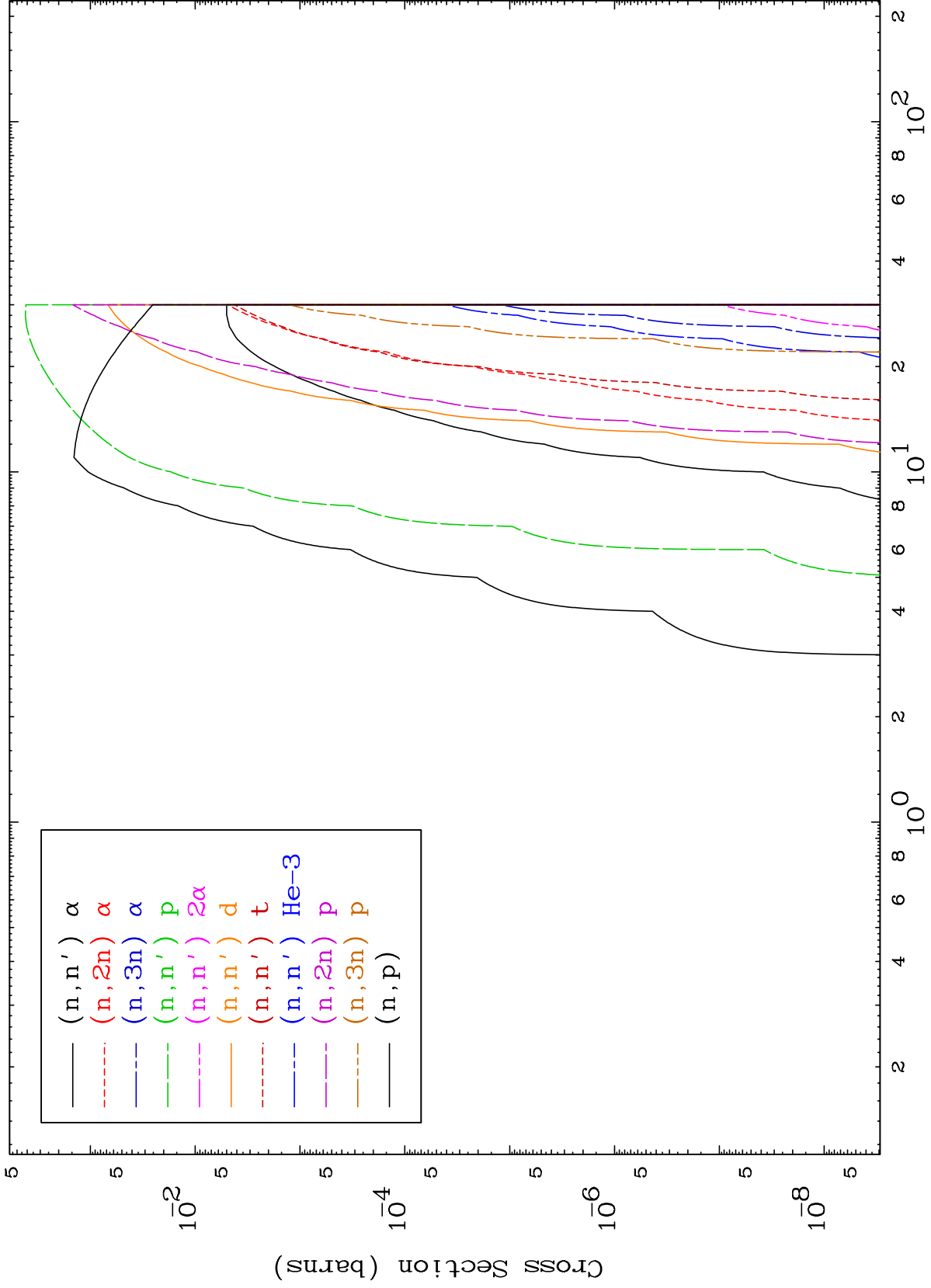


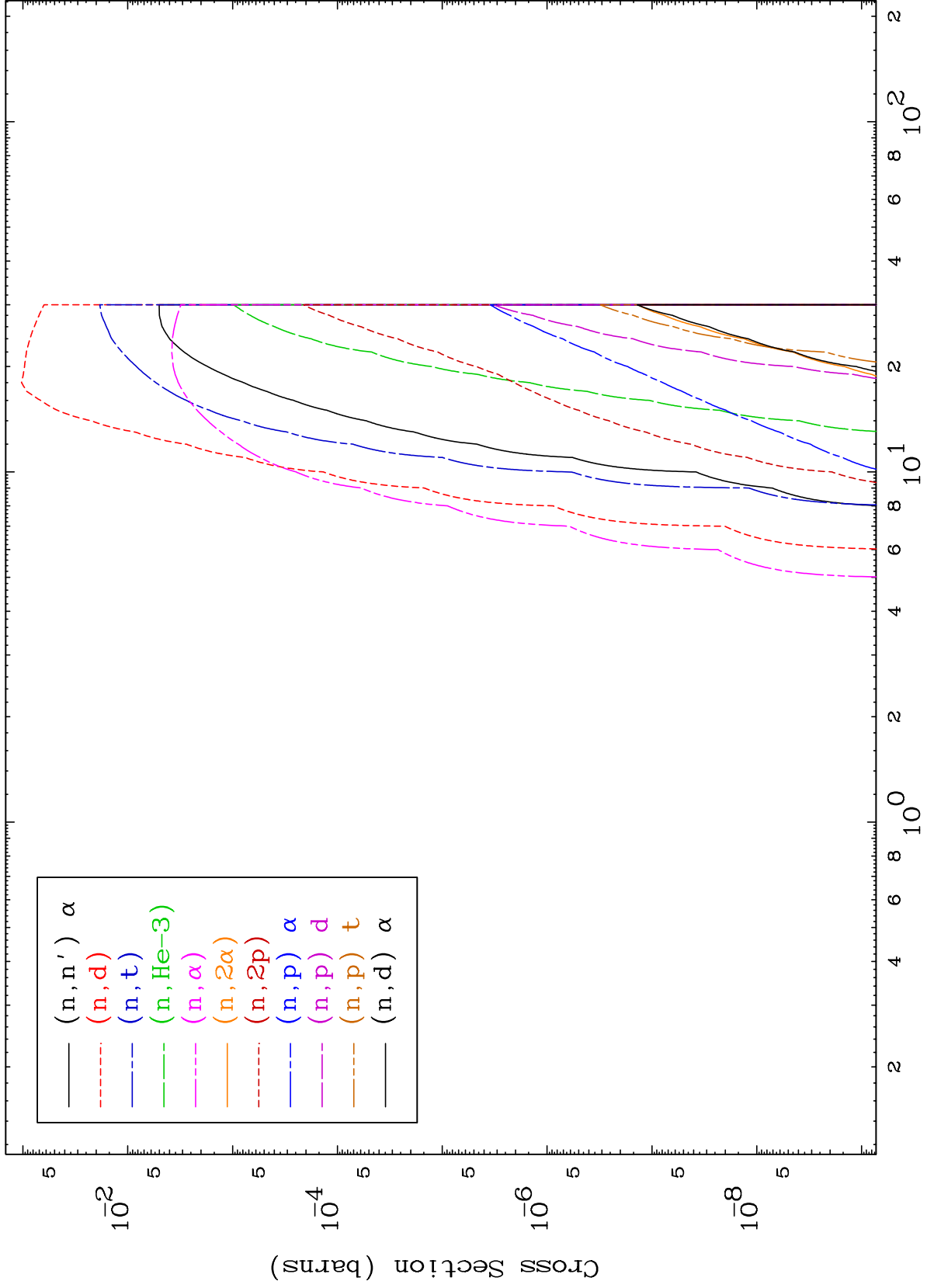
MAT 8022

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

80-Hg-195





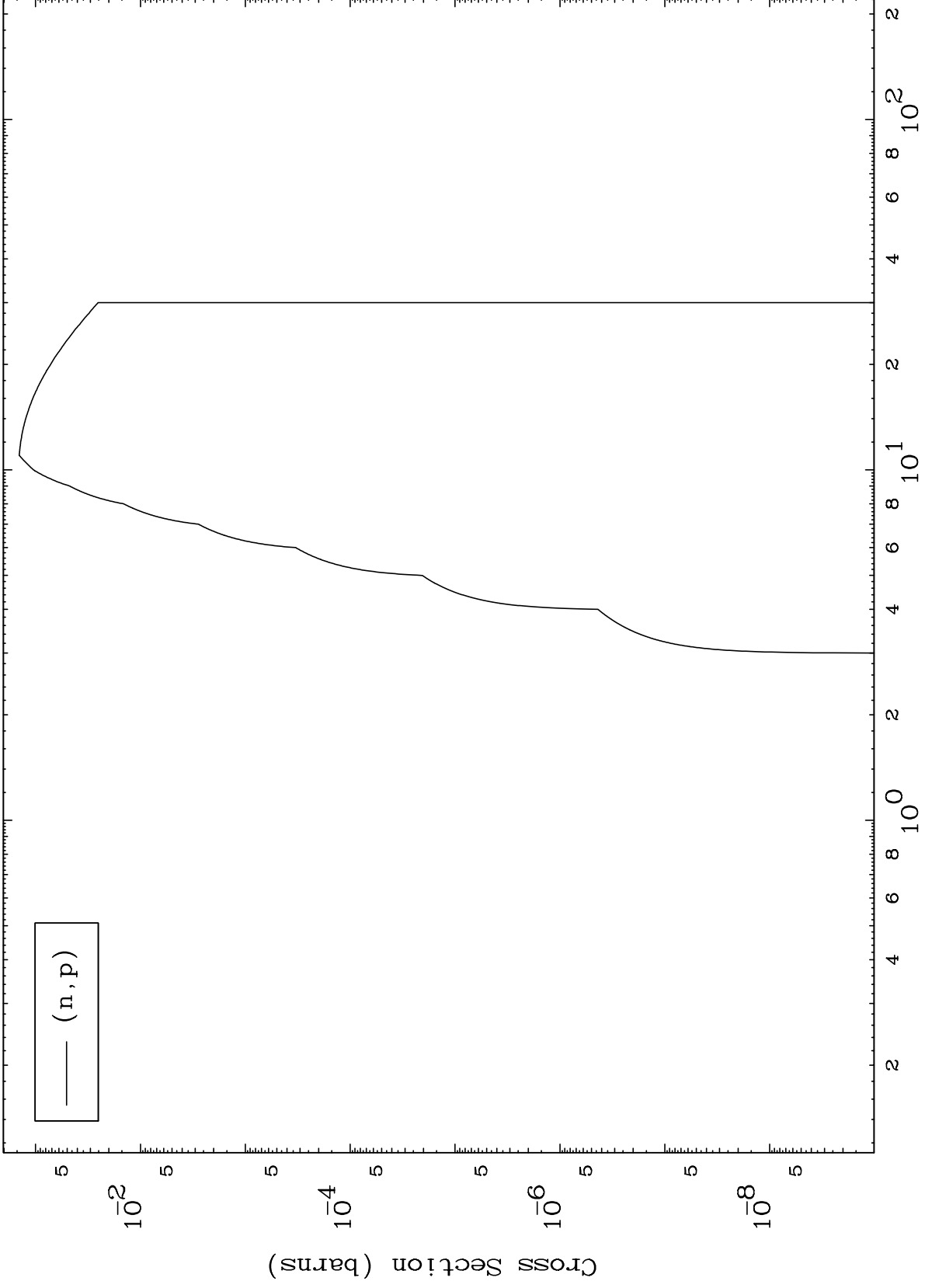


MAT 8022

(d,p) Levels

80-Hg-195

0 Kelvin Cross Sections



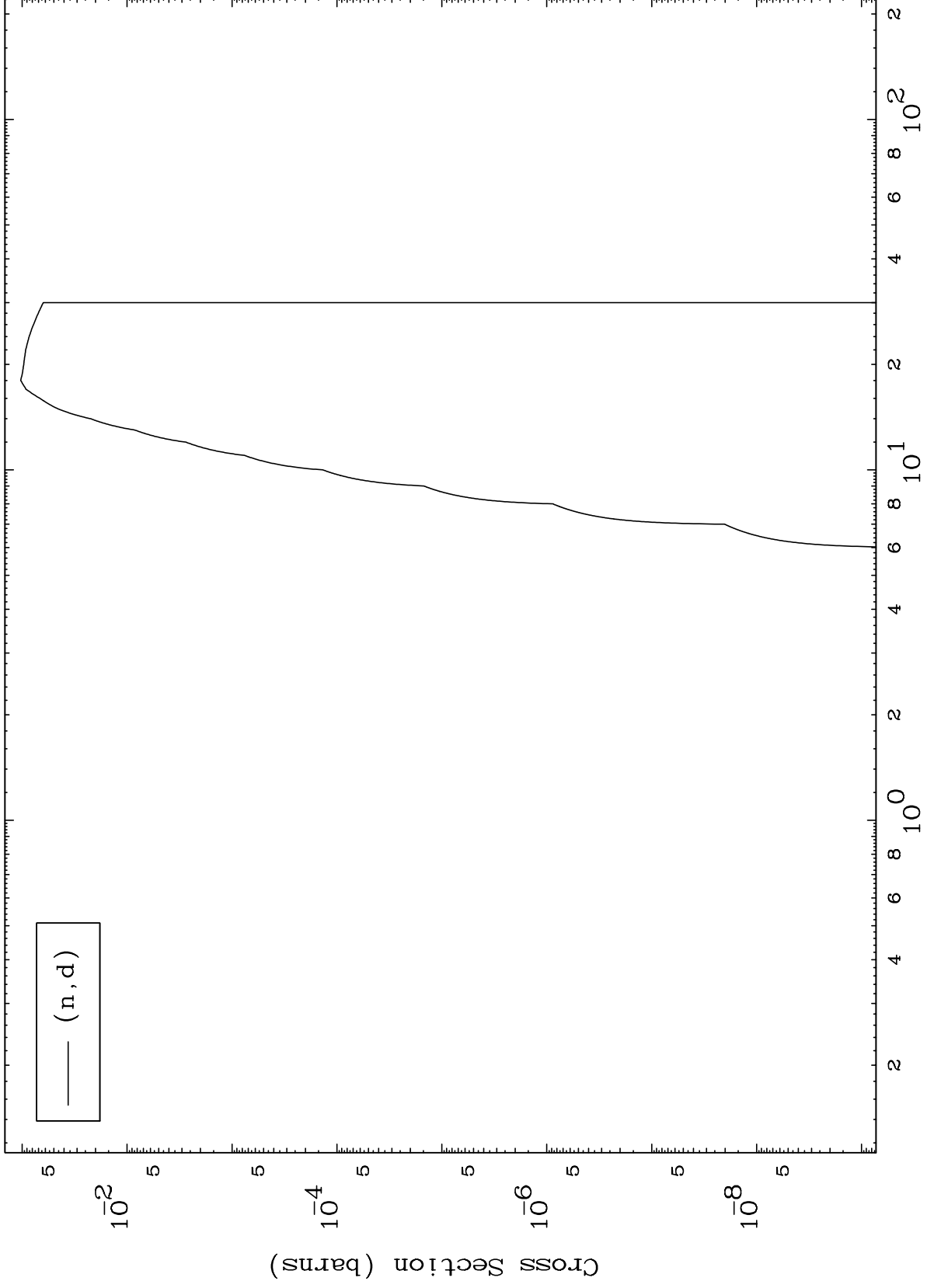


MAT 8022

(d,d) Levels

80-Hg-195

0 Kelvin Cross Sections

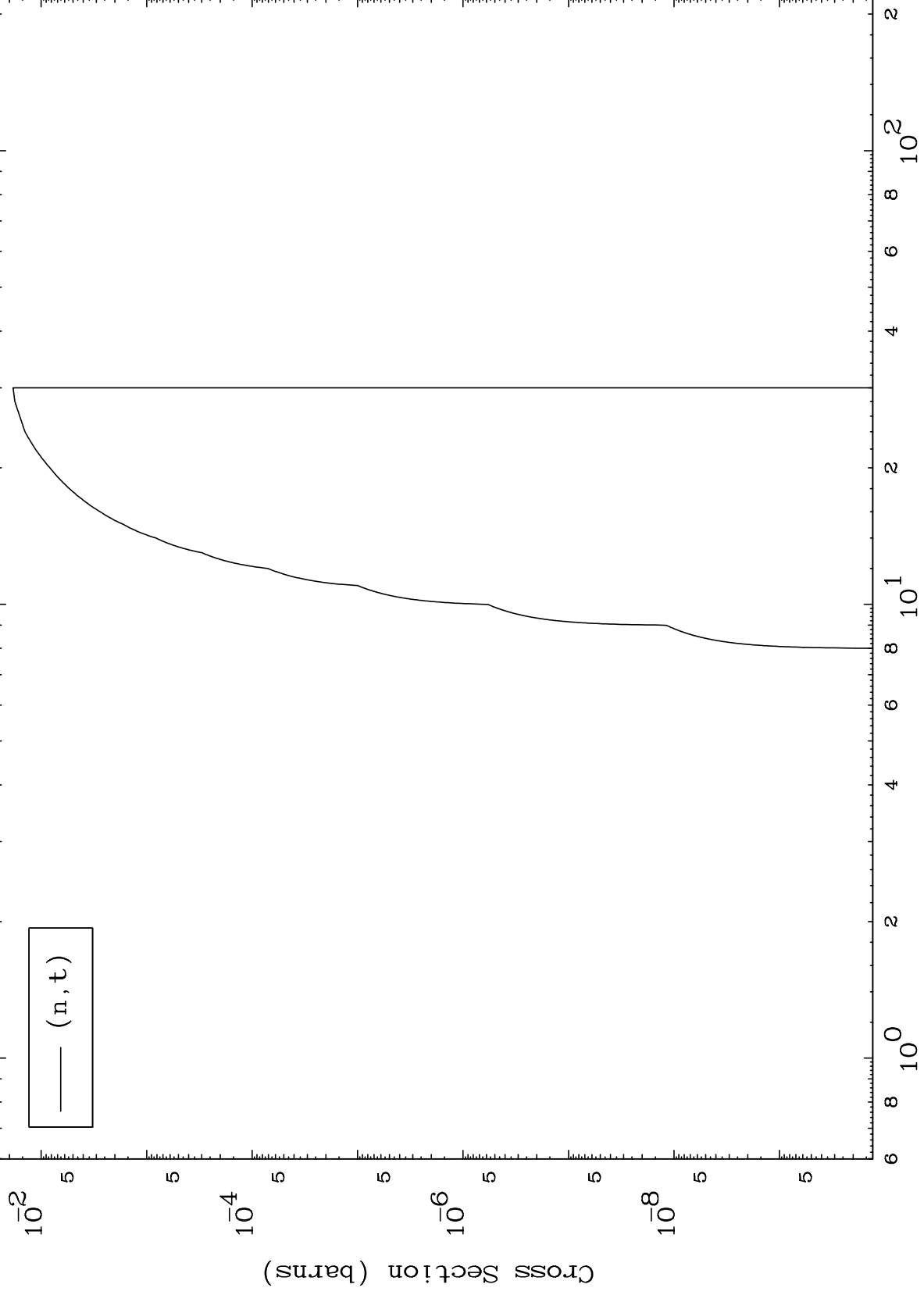


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(d, t) Levels

80-Hg-195

0 Kelvin Cross Sections



9

Incident Energy (MeV)

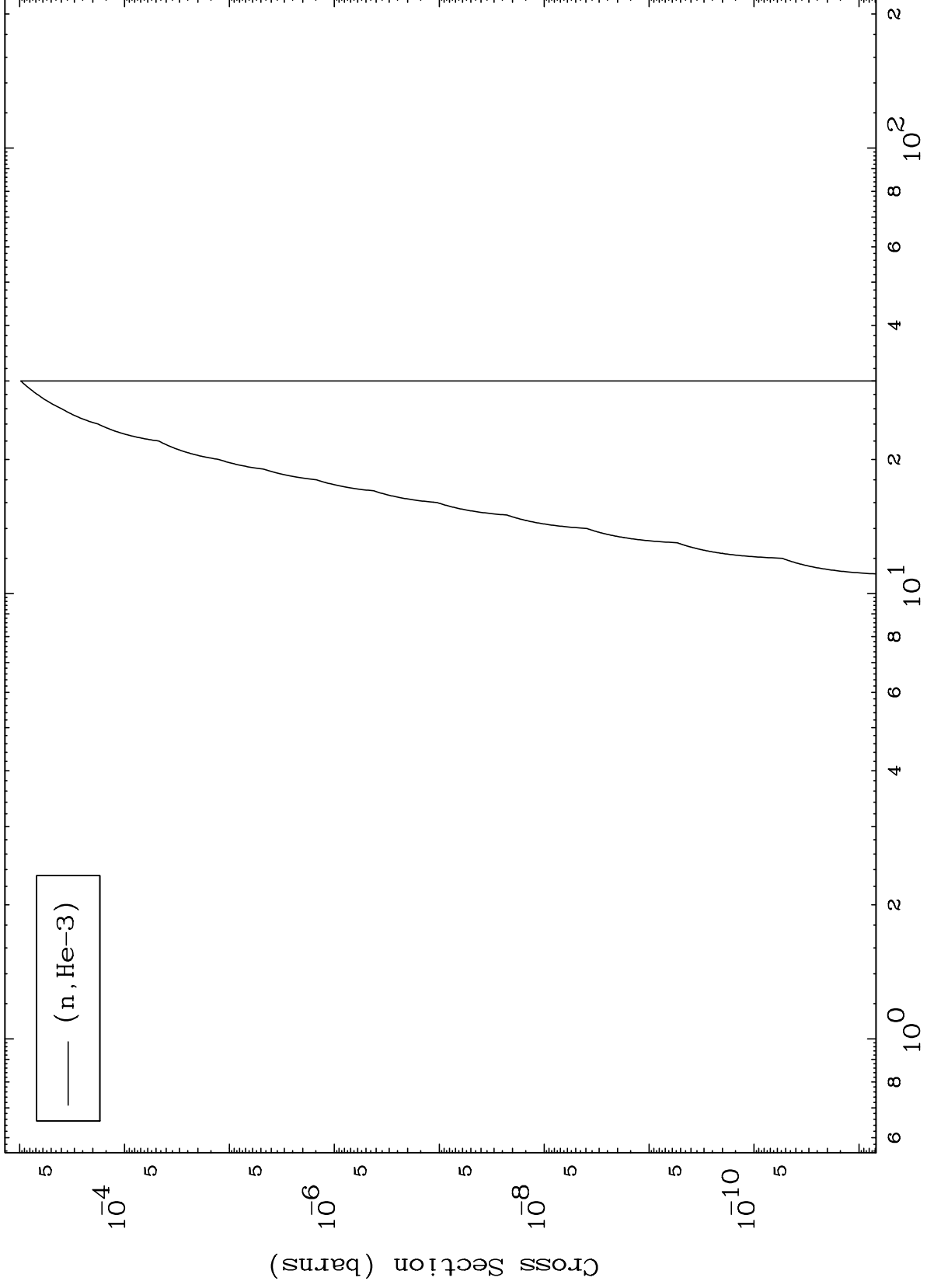
80-Hg-195

MAT 8022

(d,He3) Levels

80-Hg-195

0 Kelvin Cross Sections



10

Incident Energy (MeV)

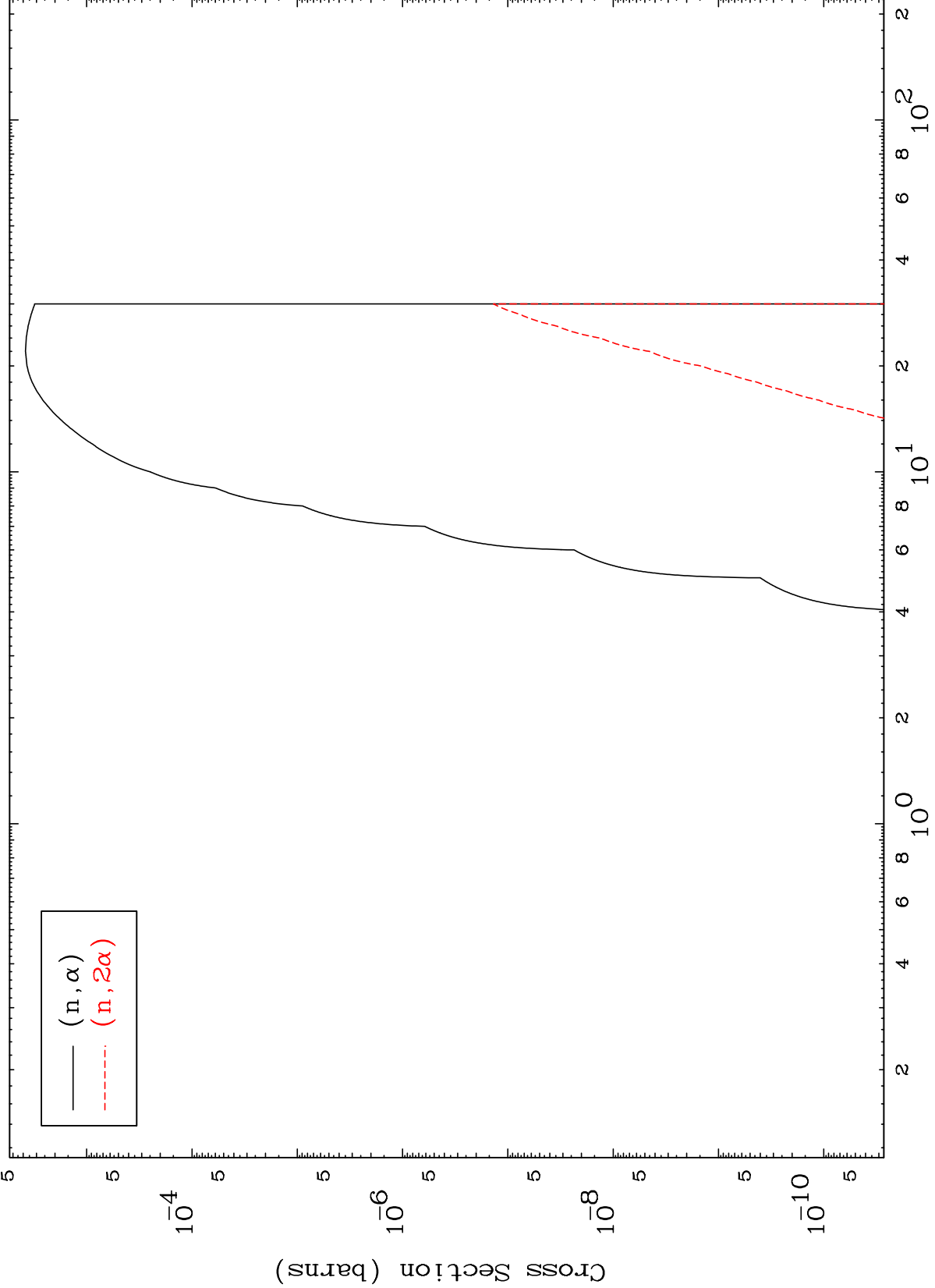
80-Hg-195

MAT 8022

(d,  $\alpha$ ) Levels

80-Hg-195

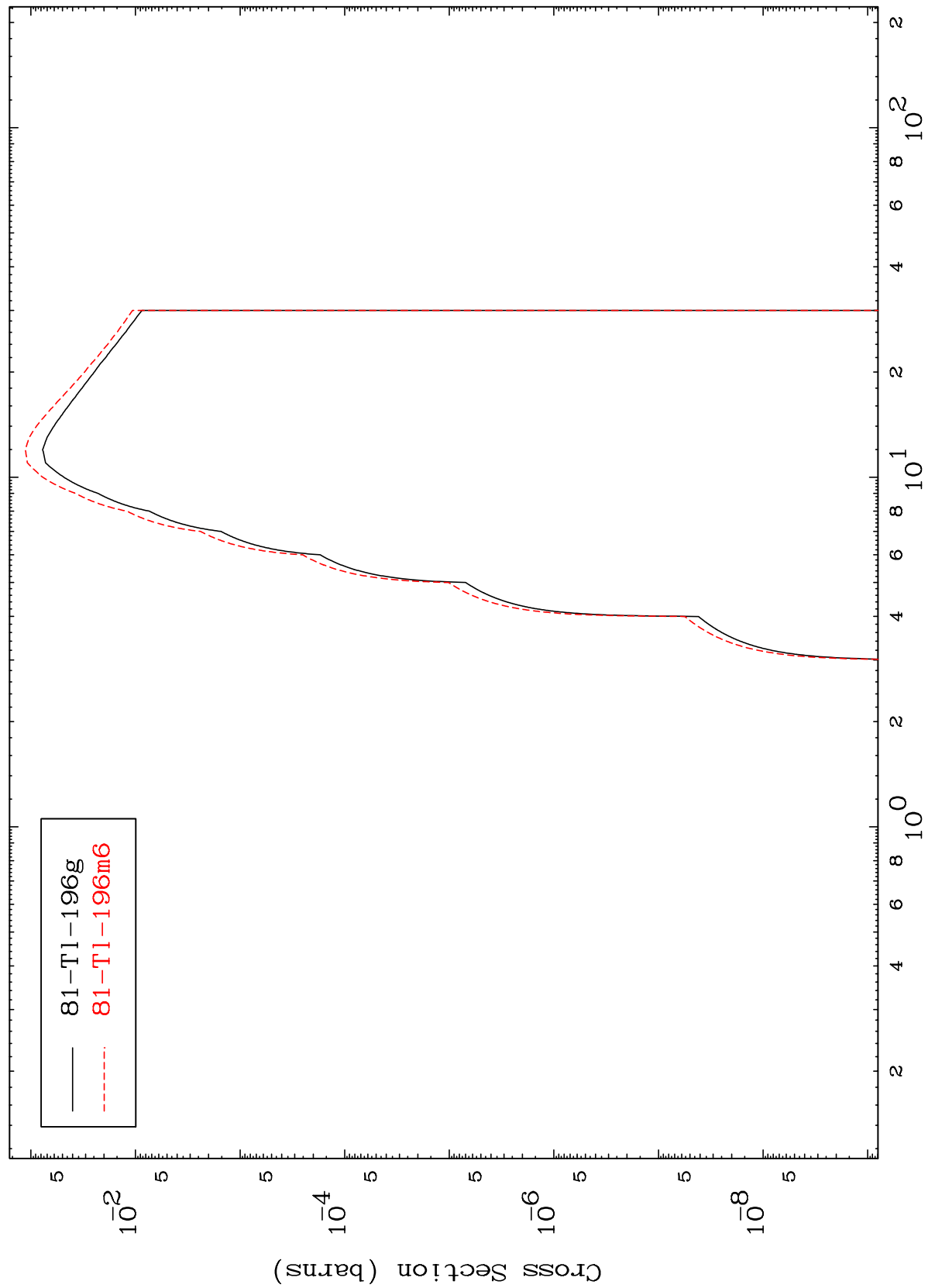
0 Kelvin Cross Sections



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80-Hg-195

Inelastic  
Radionuclide Production Cross Section



80-Hg-195

Incident Energy (MeV)

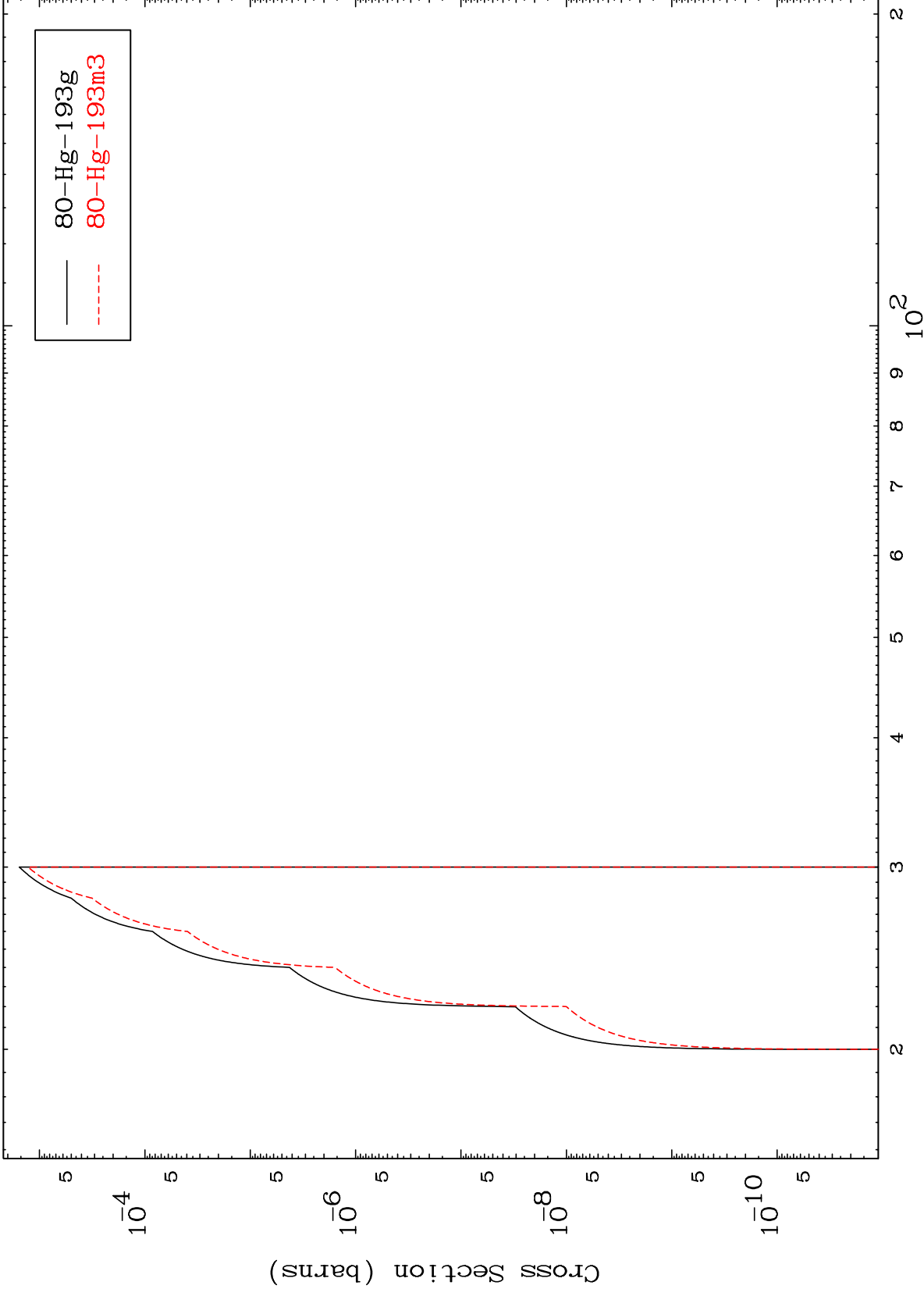
12

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(n,2n) d

80-Hg-195

Radionuclide Production Cross Section



13

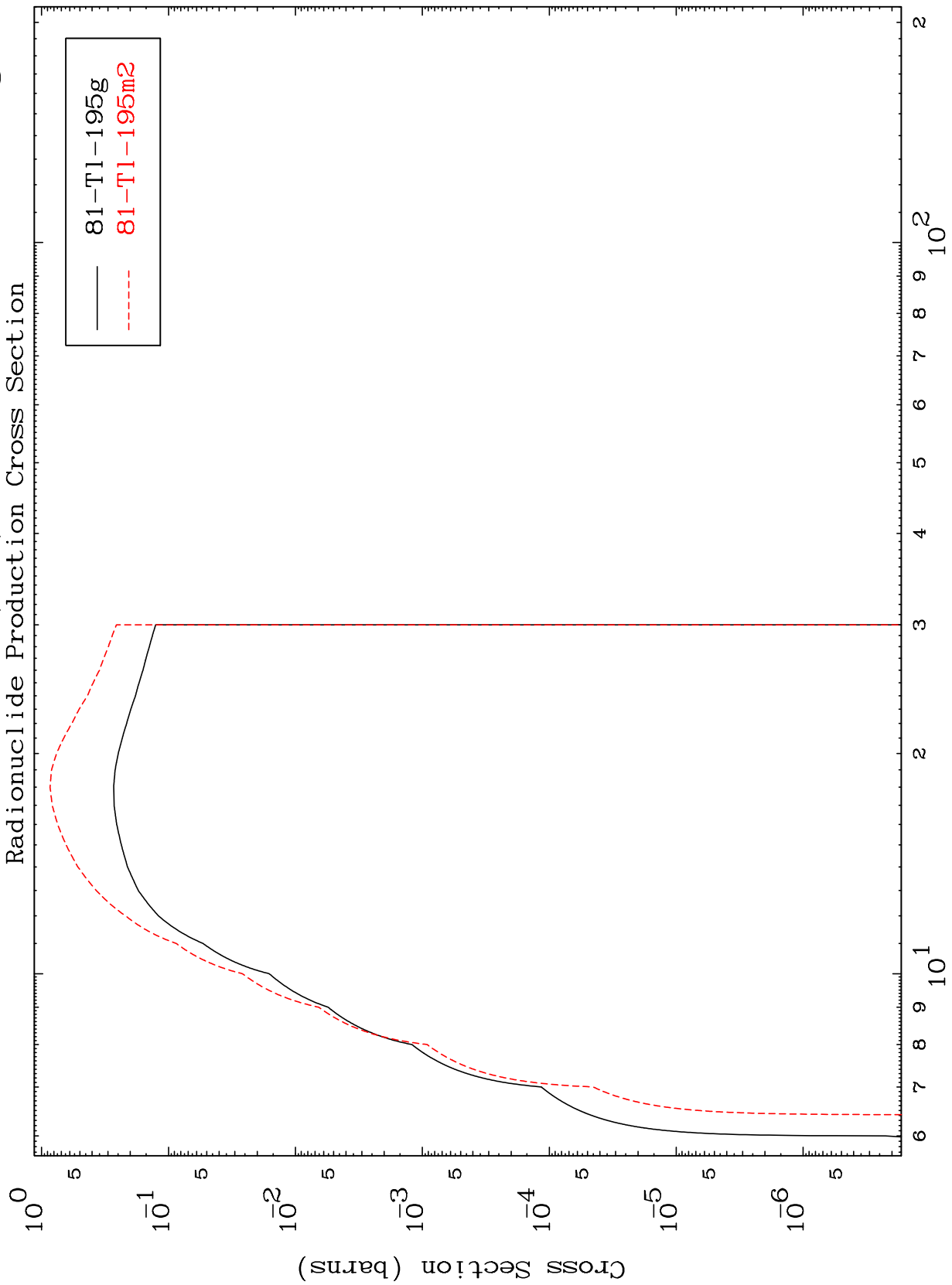
Incident Energy (MeV)

80-Hg-195

MAT 8022

80-Hg-195

Radionuclide Production Cross Section  
(n,2n)



80-Hg-195

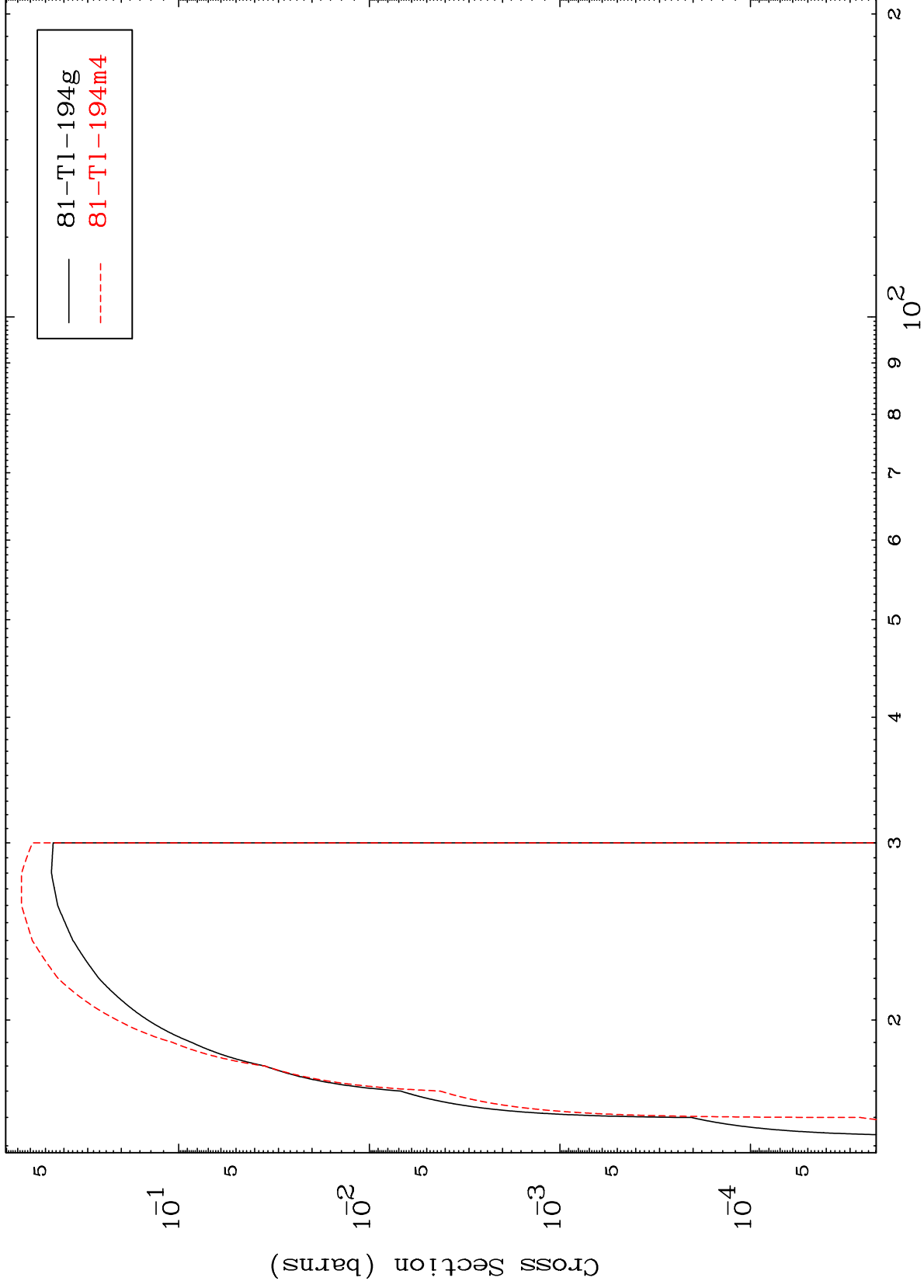
Incident Energy (MeV)

14

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80-Hg-195

(n,3n)  
Radionuclide Production Cross Section



80-Hg-195

Incident Energy (MeV)

15

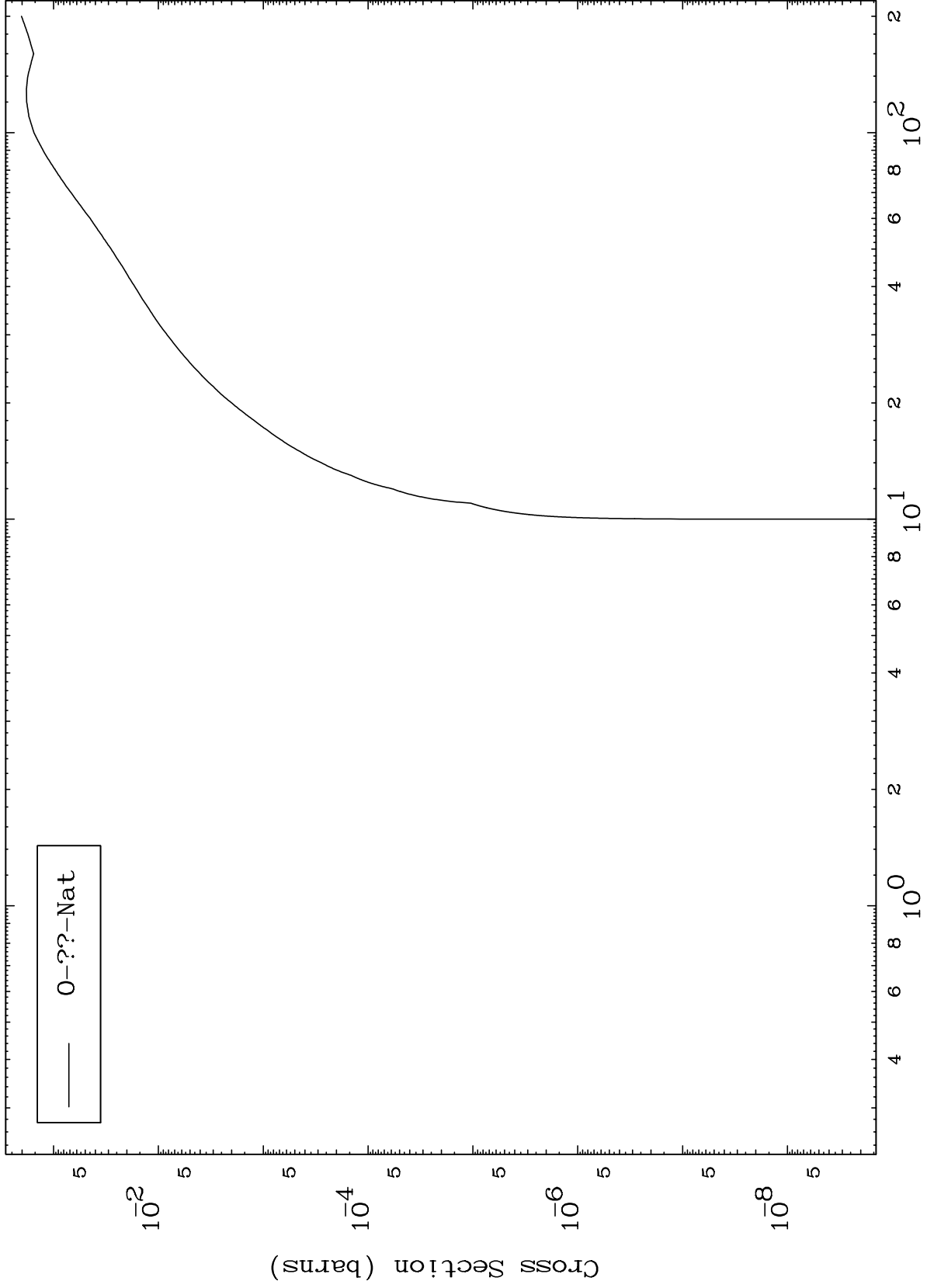


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Fission

80-Hg-195

Radionuclide Production Cross Section

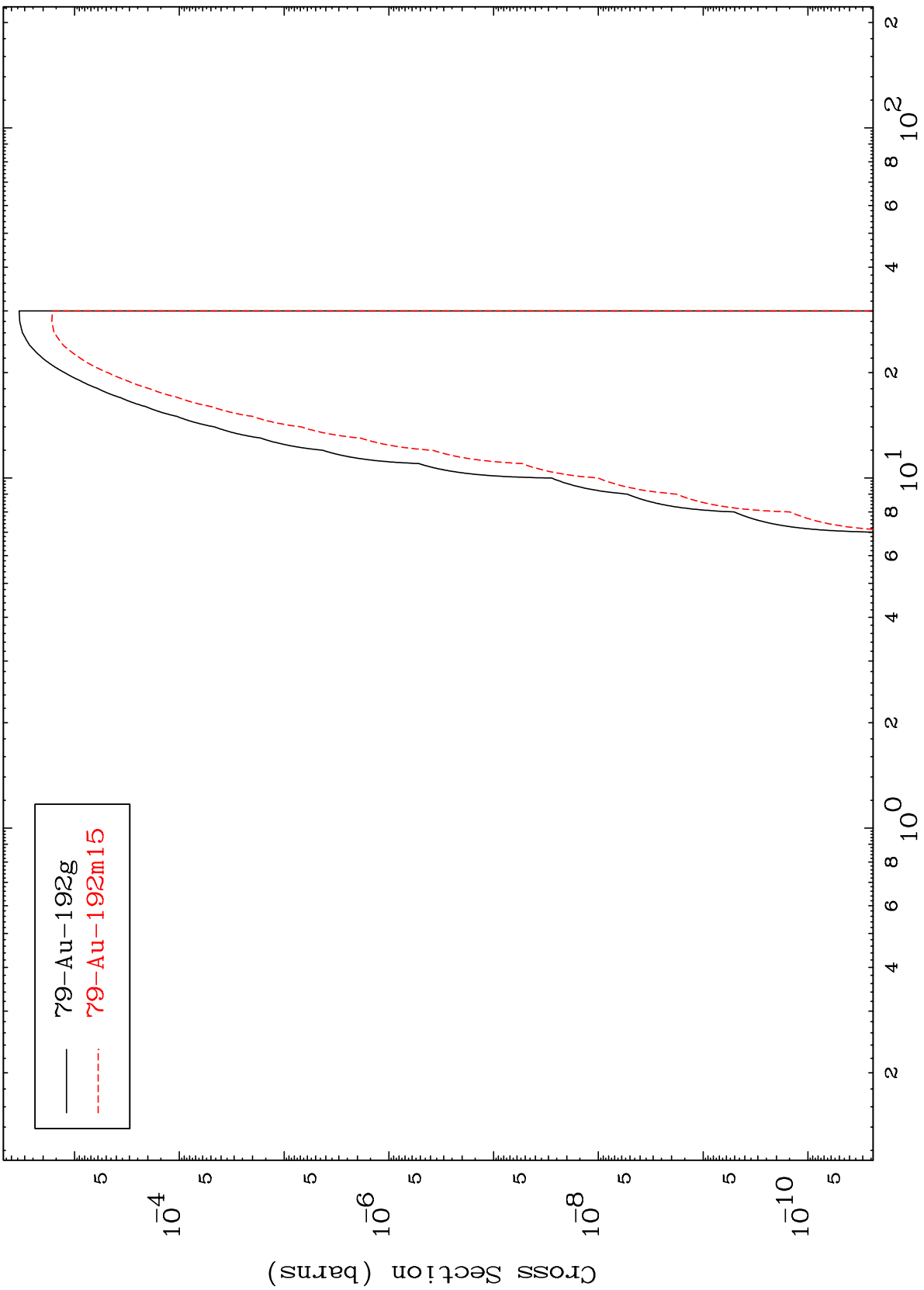


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$(n, n') \alpha$

80-Hg-195

Radionuclide Production Cross Section

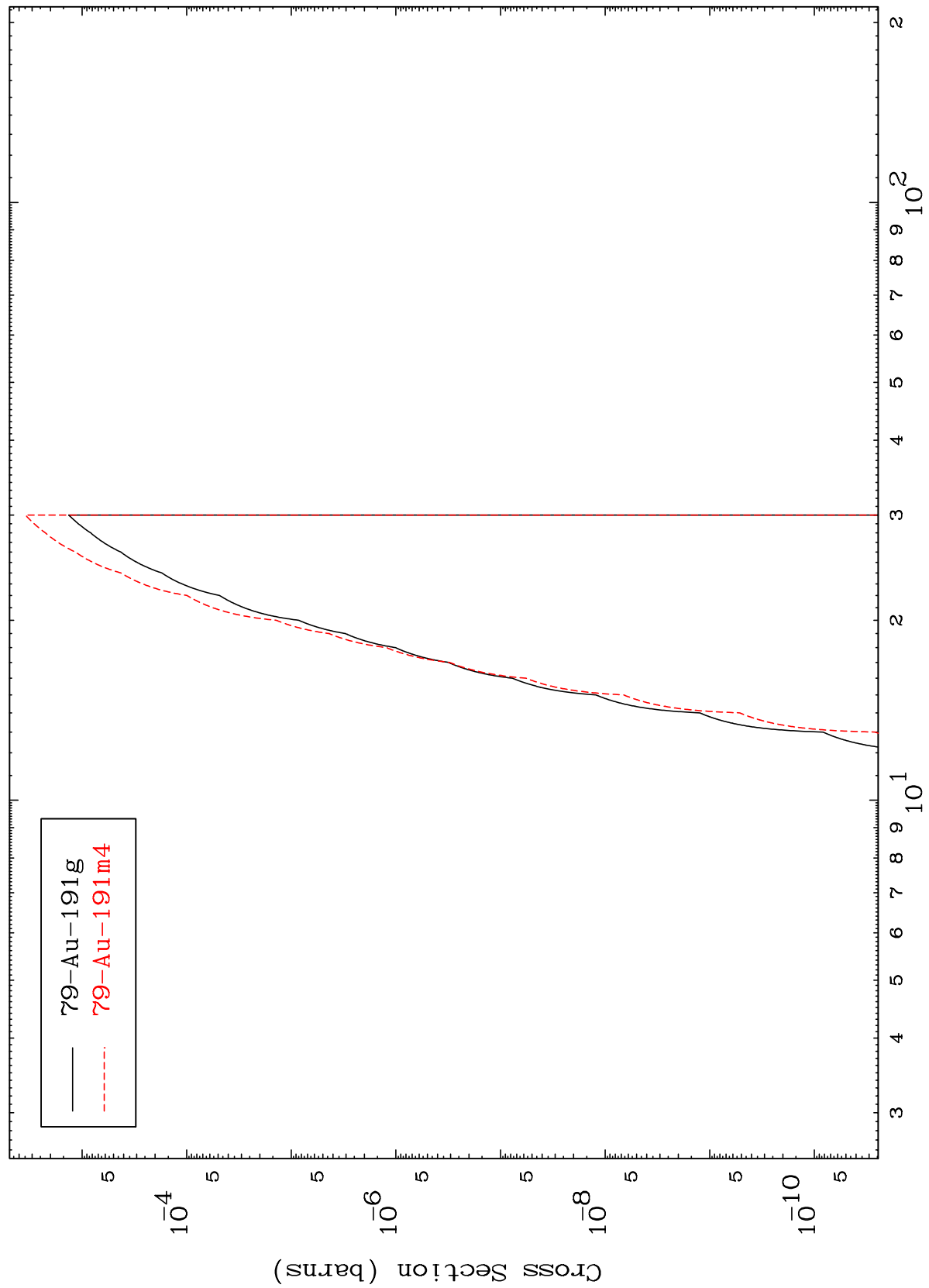


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80-Hg-195

(n,2n)  $\alpha$

Radionuclide Production Cross Section



— 79-Au-191g  
- - - 79-Au-191m4

80-Hg-195

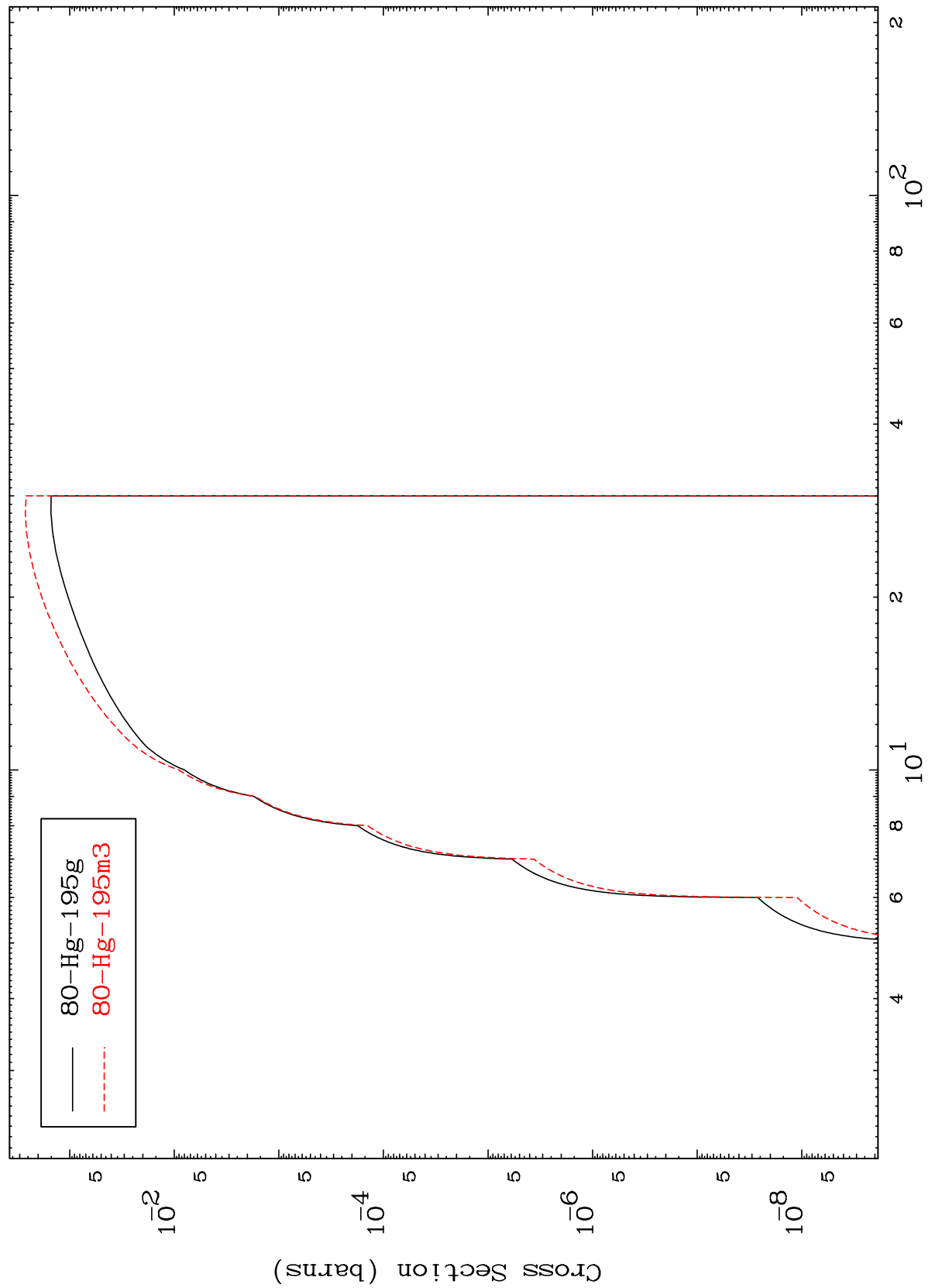
Incident Energy (MeV)

18

MAT 8022

80-Hg-195

(n,n') p  
Radionuclide Production Cross Section

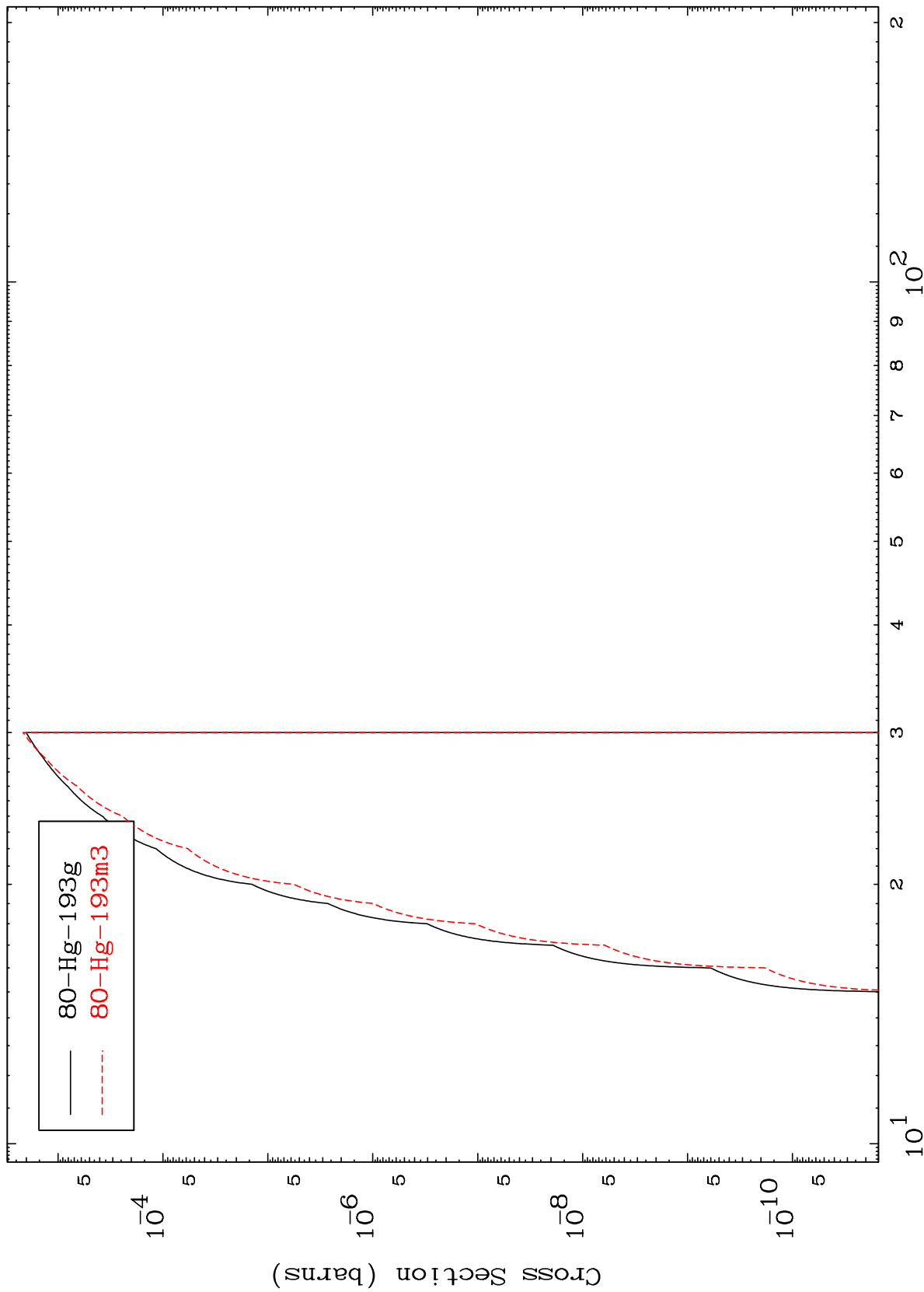


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(n,n') t

80-Hg-195

Radionuclide Production Cross Section



Incident Energy (MeV)

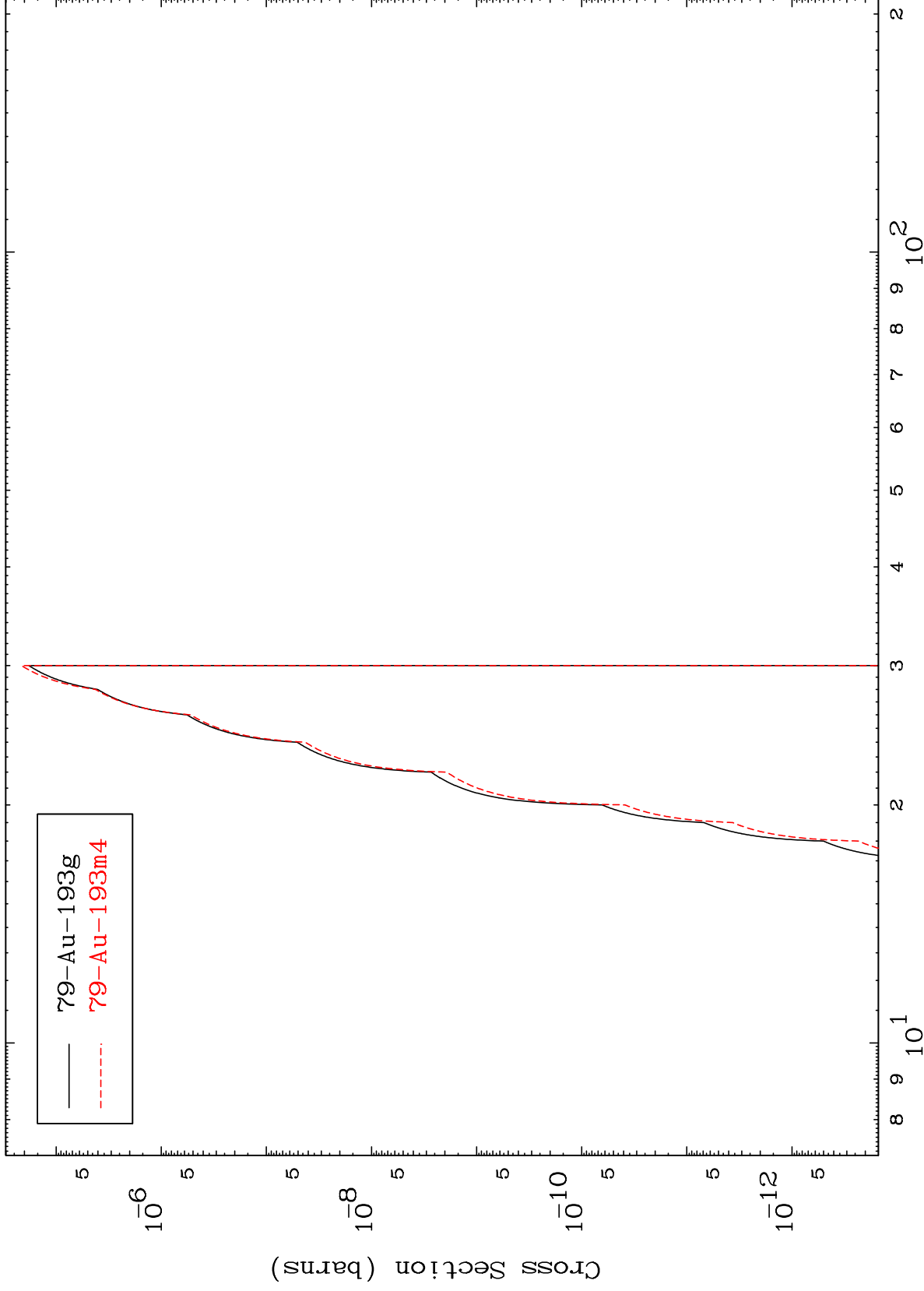
80-Hg-195

MAT 8022

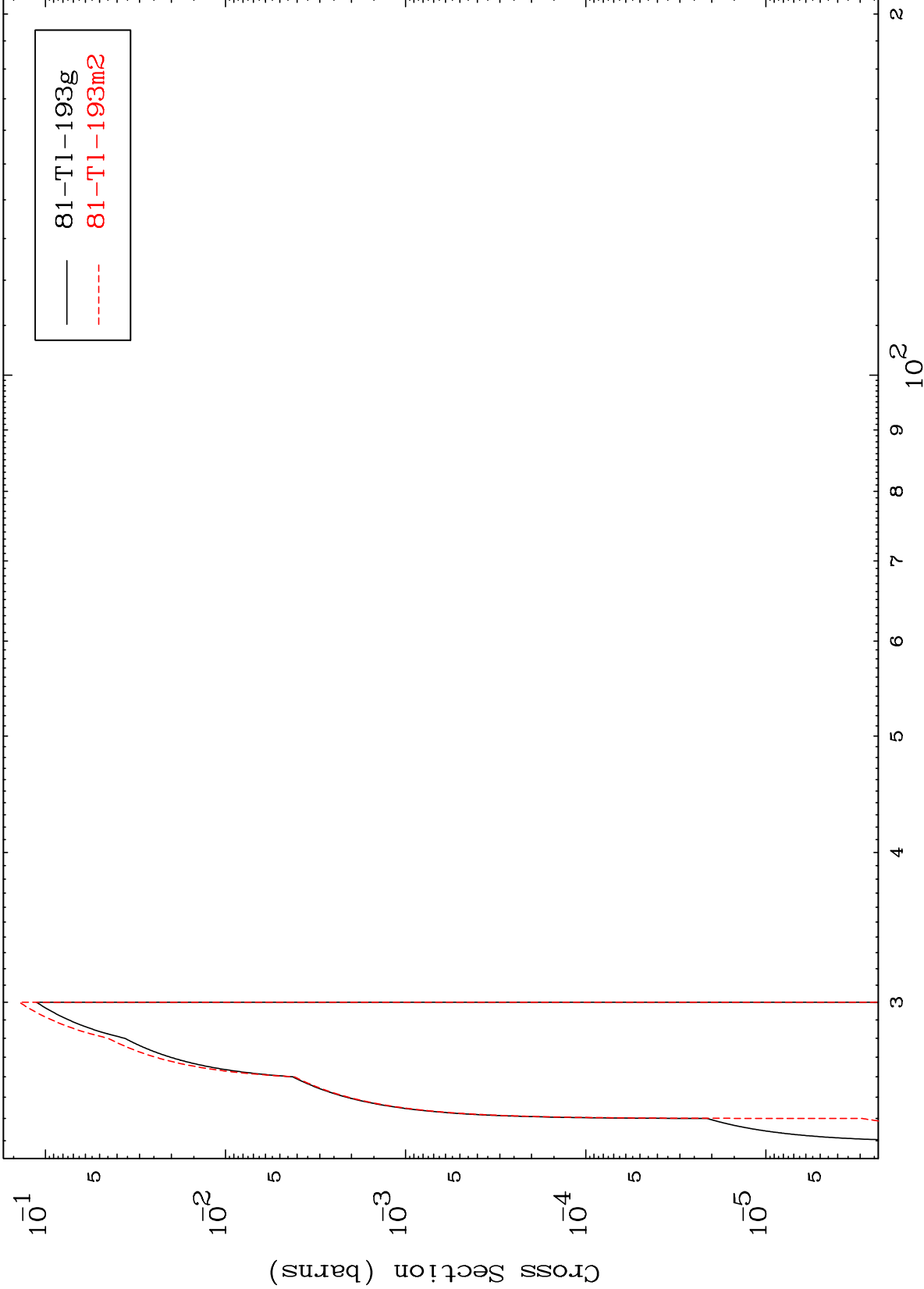
(n,n') He-3

80-Hg-195

Radionuclide Production Cross Section



Radionuclide Production Cross Section

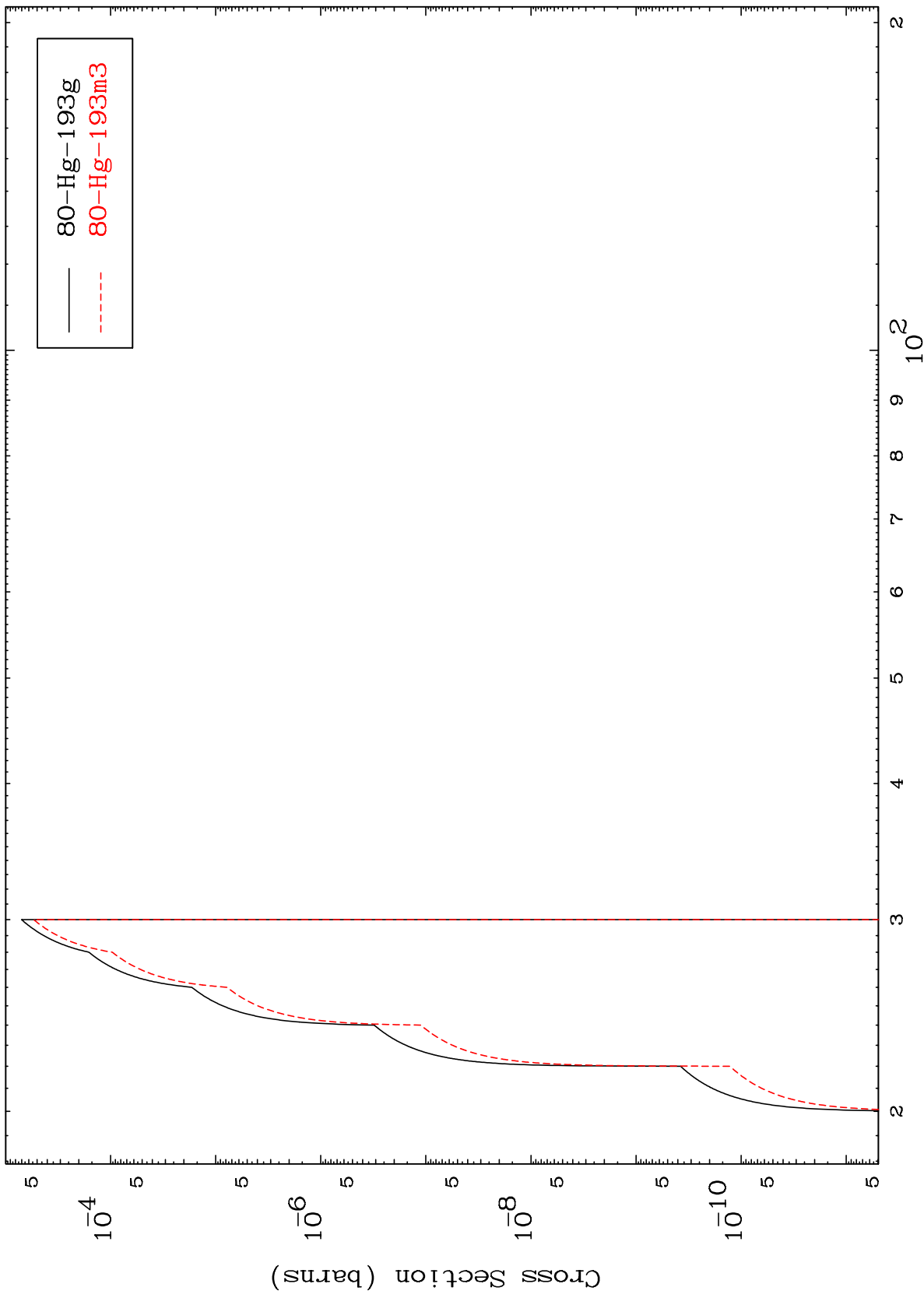


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80-Hg-195

(n,3n) p

Radionuclide Production Cross Section



80-Hg-195

Incident Energy (MeV)

23

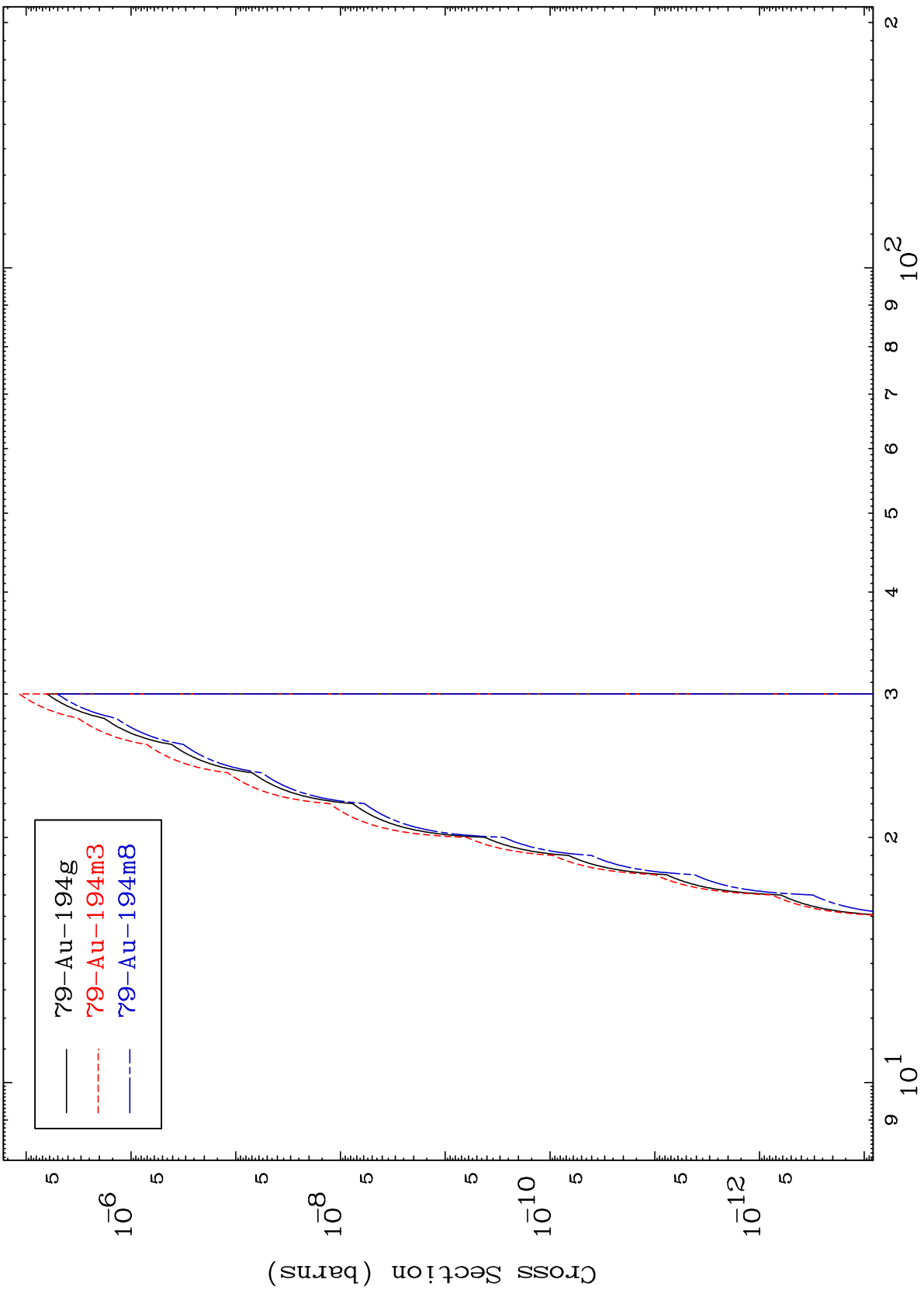


MAT 8022

(n,2n) p

80-Hg-195

Radionuclide Production Cross Section



79-Au-194g  
79-Au-194m3  
79-Au-194m8

24

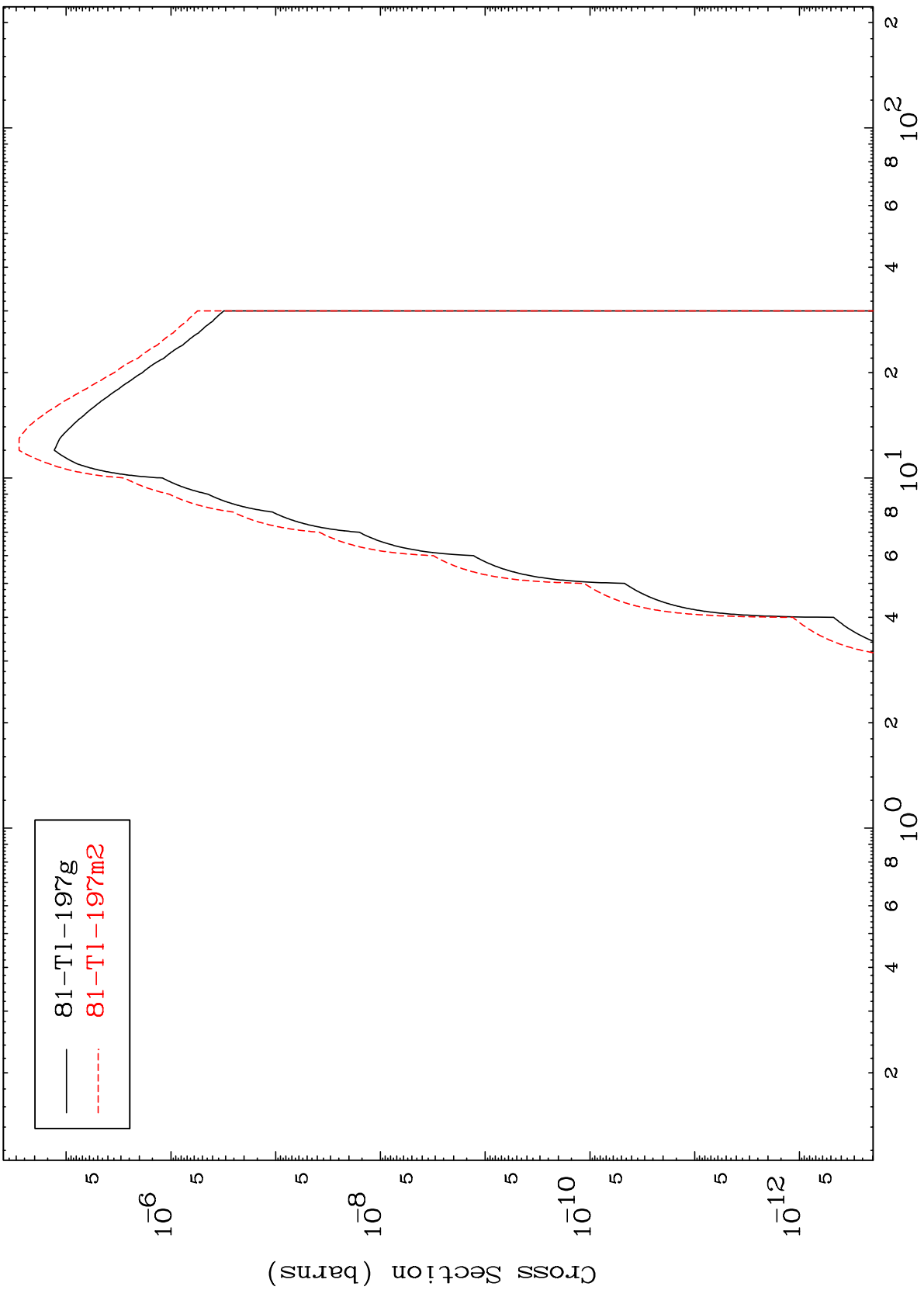
Incident Energy (MeV)

80-Hg-195

MAT 8022

80-Hg-195

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



— 81-Tl-197g  
- - - 81-Tl-197m2

80-Hg-195

Incident Energy (MeV)

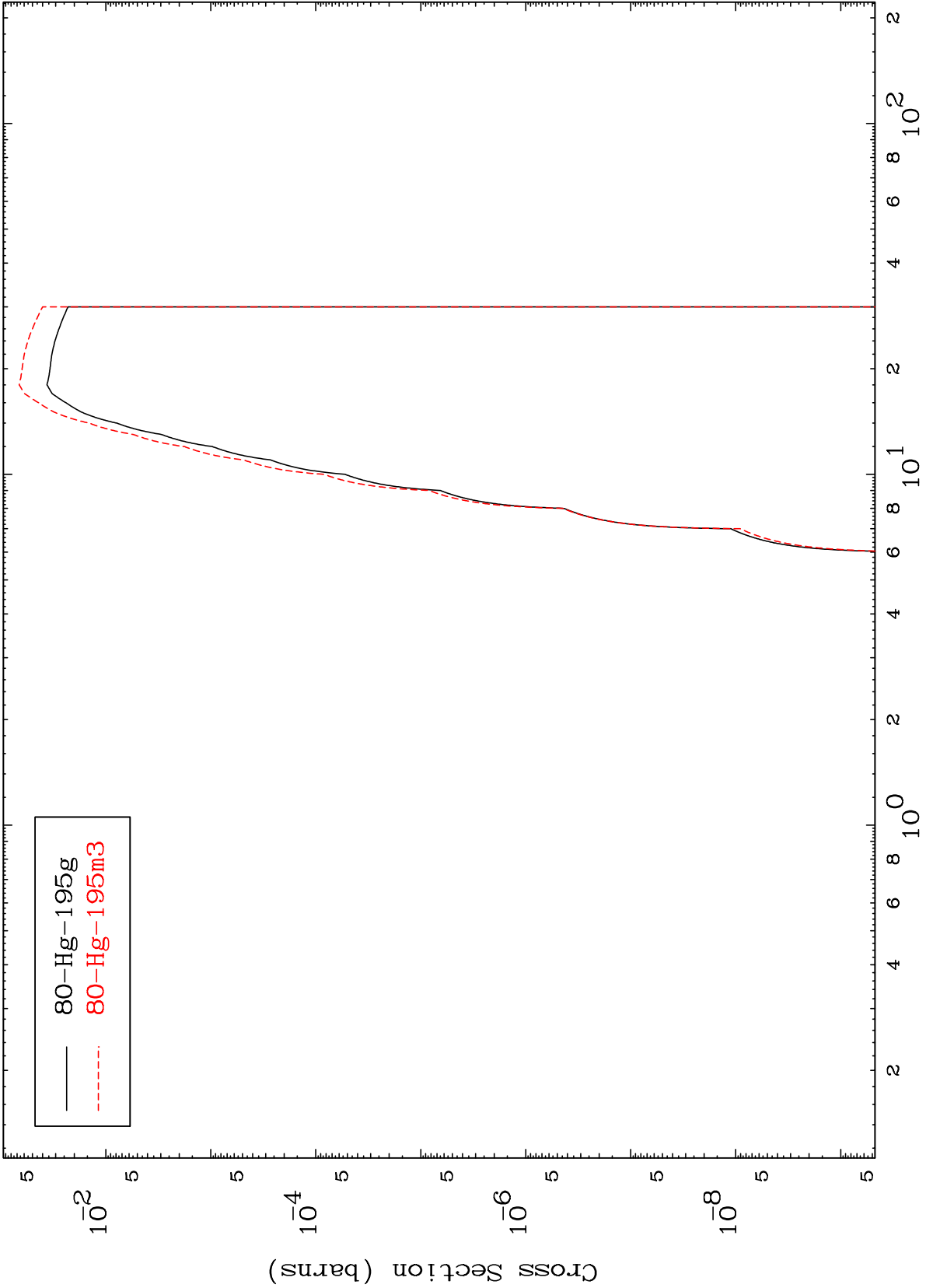
25

MAT 8022

(n,d)

80-Hg-195

Radionuclide Production Cross Section



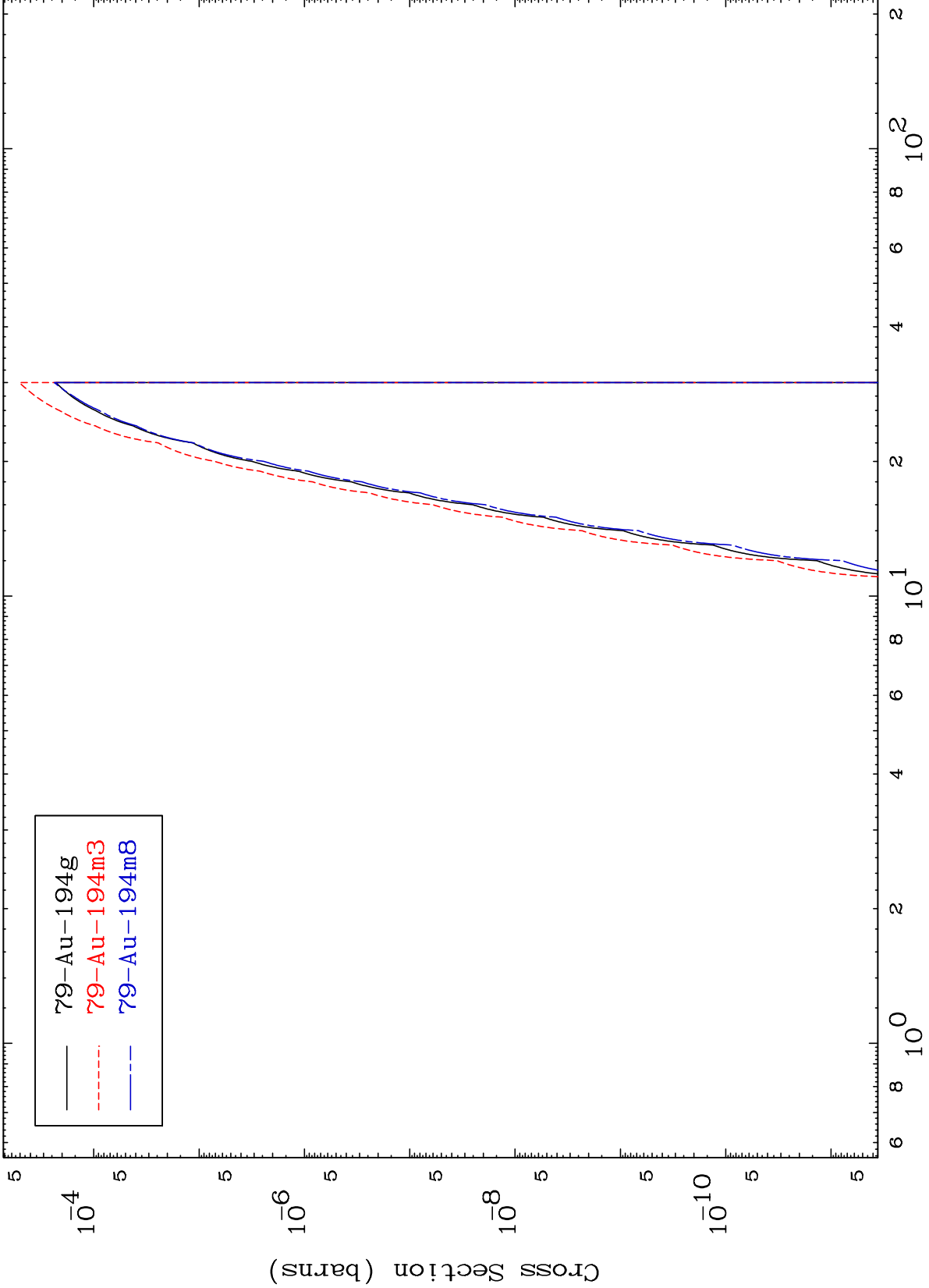
80-Hg-195g  
80-Hg-195m3

MAT 8022

(n,He-3)

80-Hg-195

Radionuclide Production Cross Section



79-Au-194g  
79-Au-194m3  
79-Au-194m8

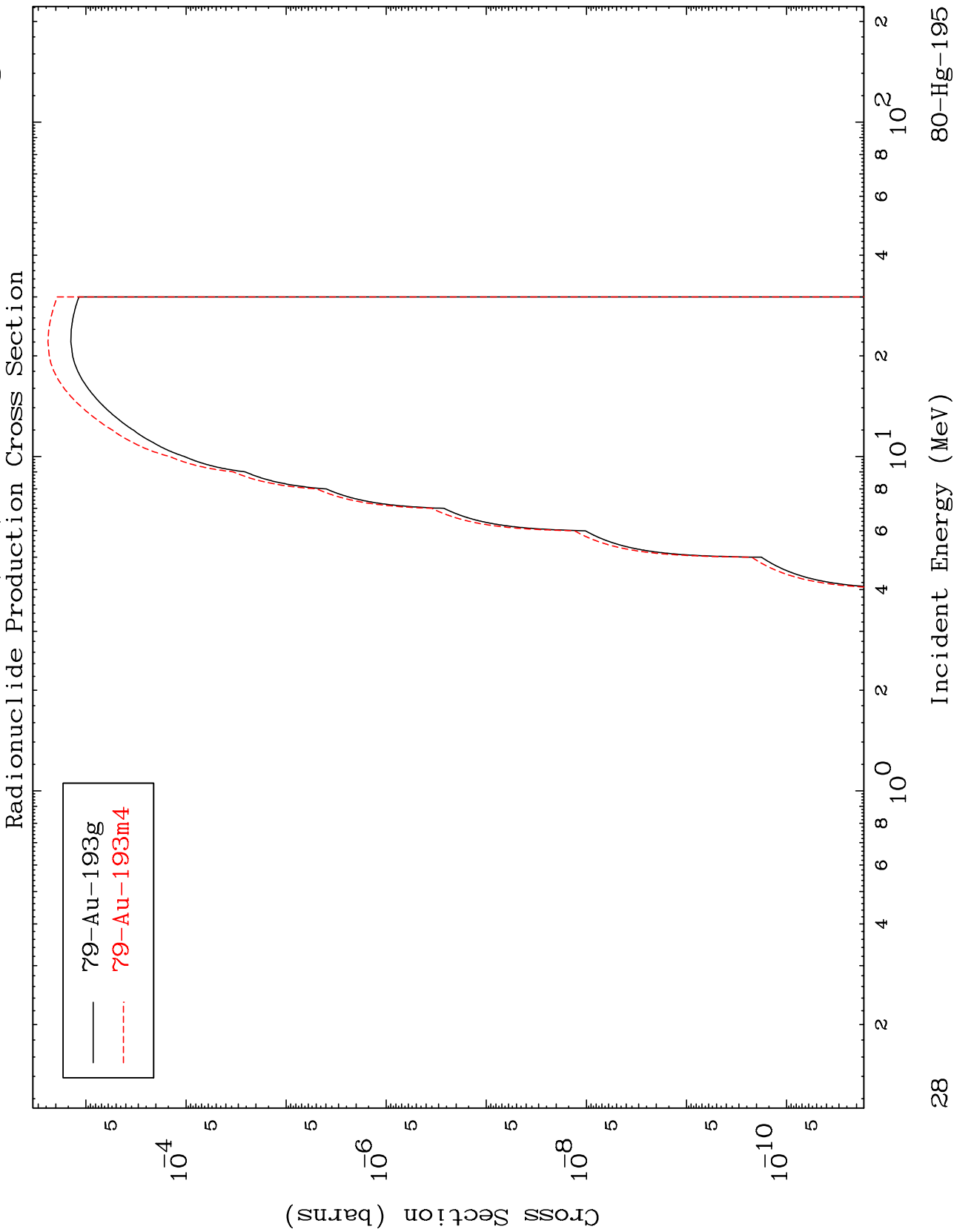
27

Incident Energy (MeV)

80-Hg-195

MAT 8022

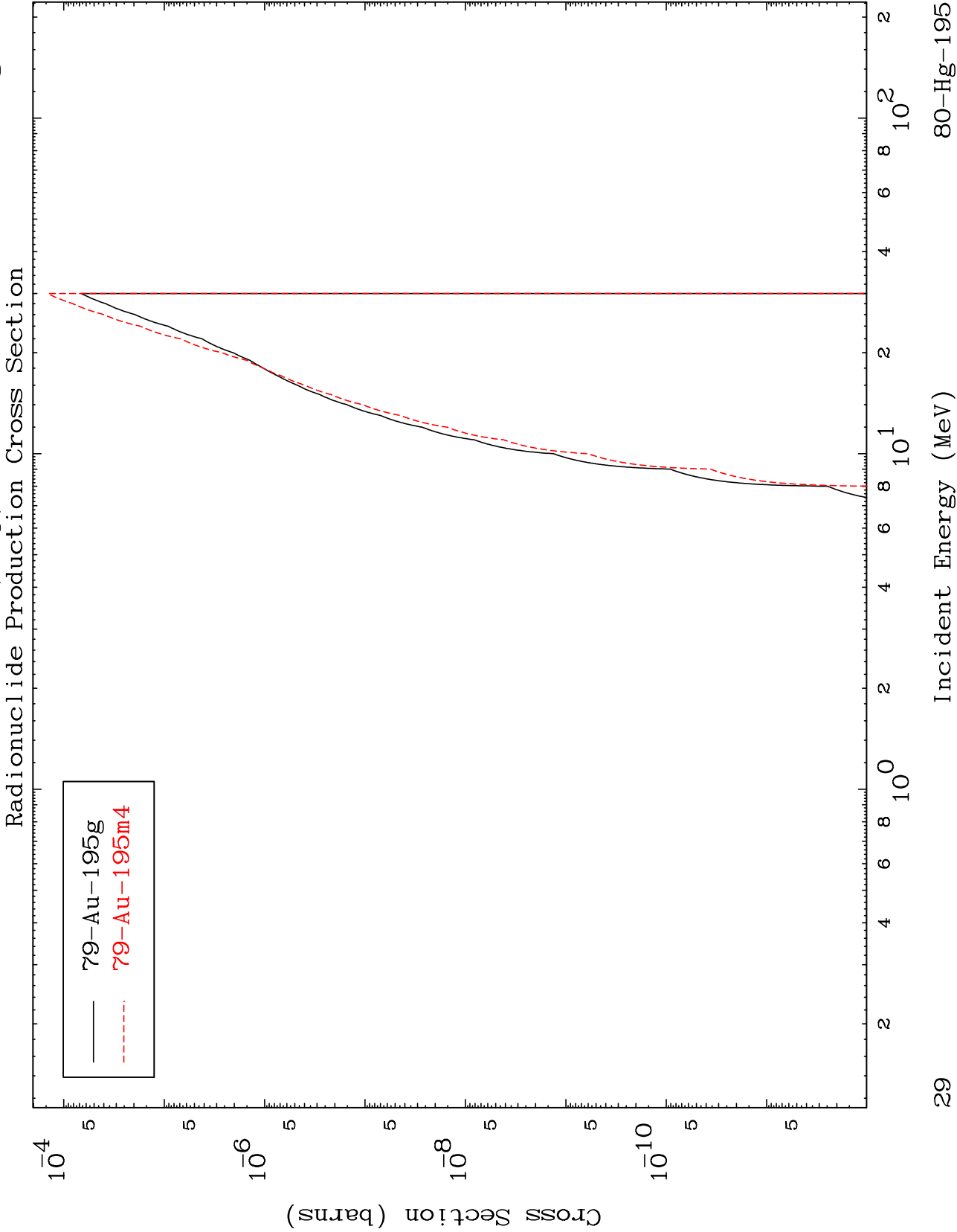
80-Hg-195



MAT 8022

(n,2p)

80-Hg-195



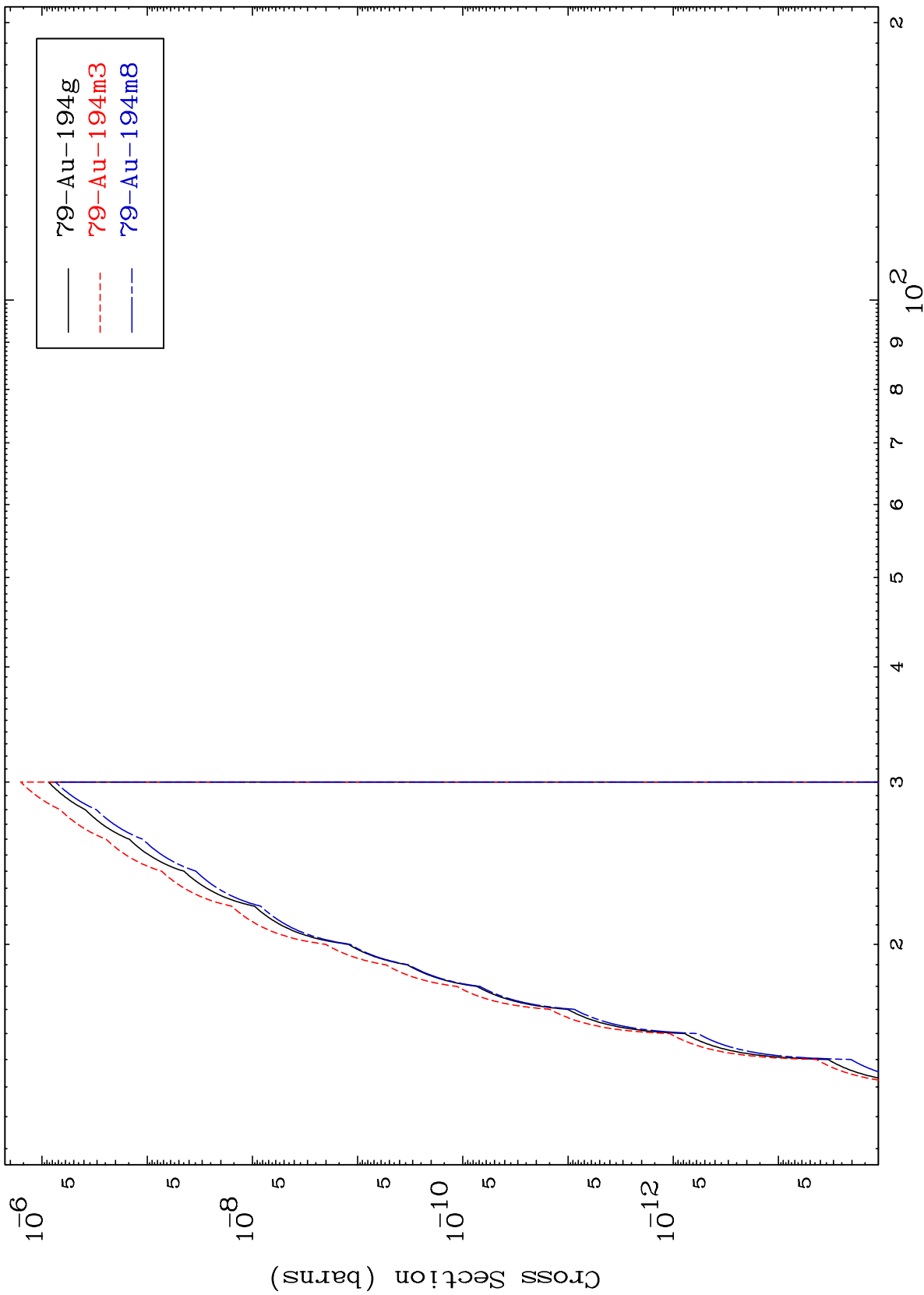
79-Au-195g  
79-Au-195m4

MAT 8022

(n,p) d

80-Hg-195

Radionuclide Production Cross Section



30

Incident Energy (MeV)

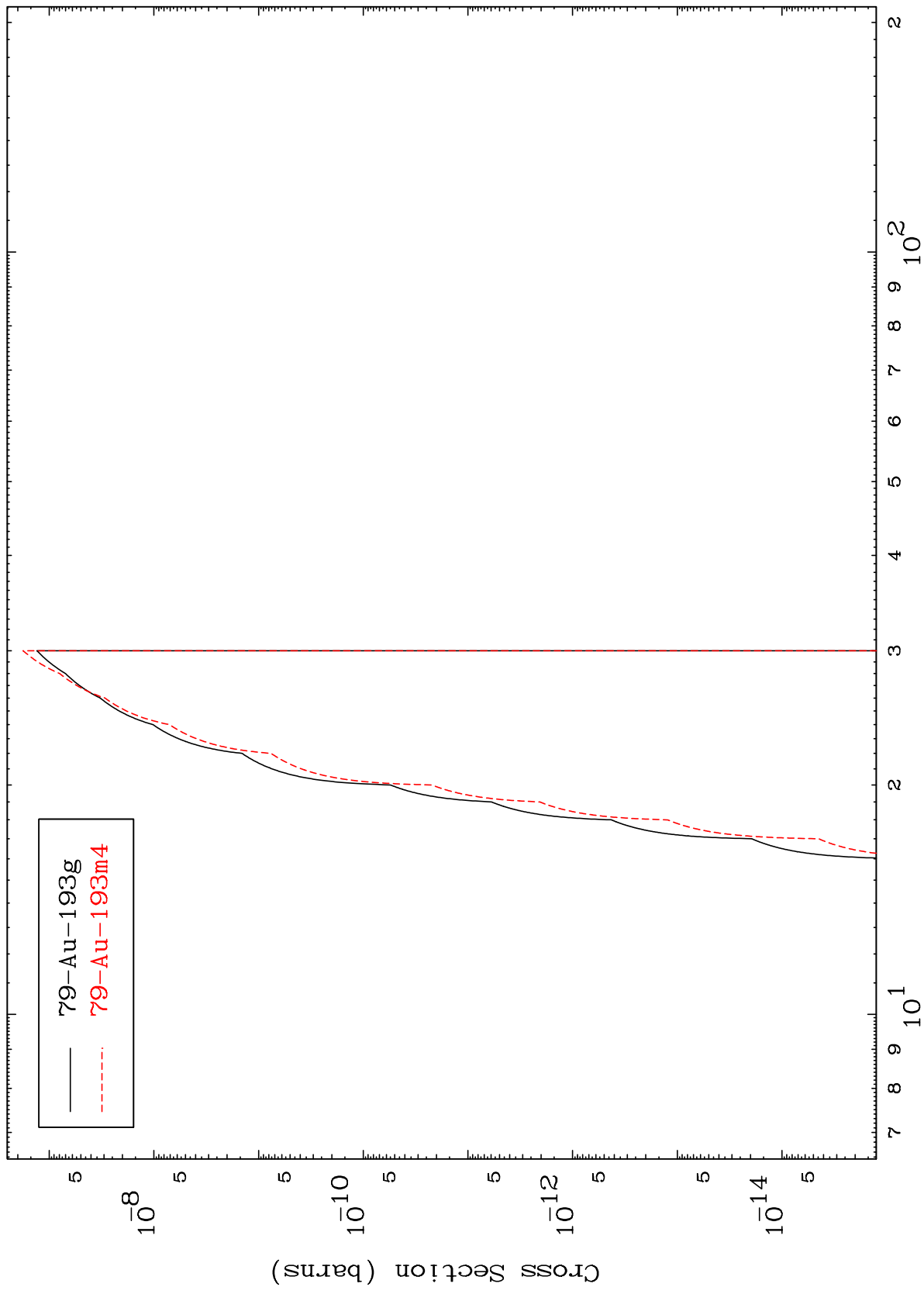
80-Hg-195

MAT 8022

(n,p) t

80-Hg-195

Radionuclide Production Cross Section



31

Incident Energy (MeV)

80-Hg-195