

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

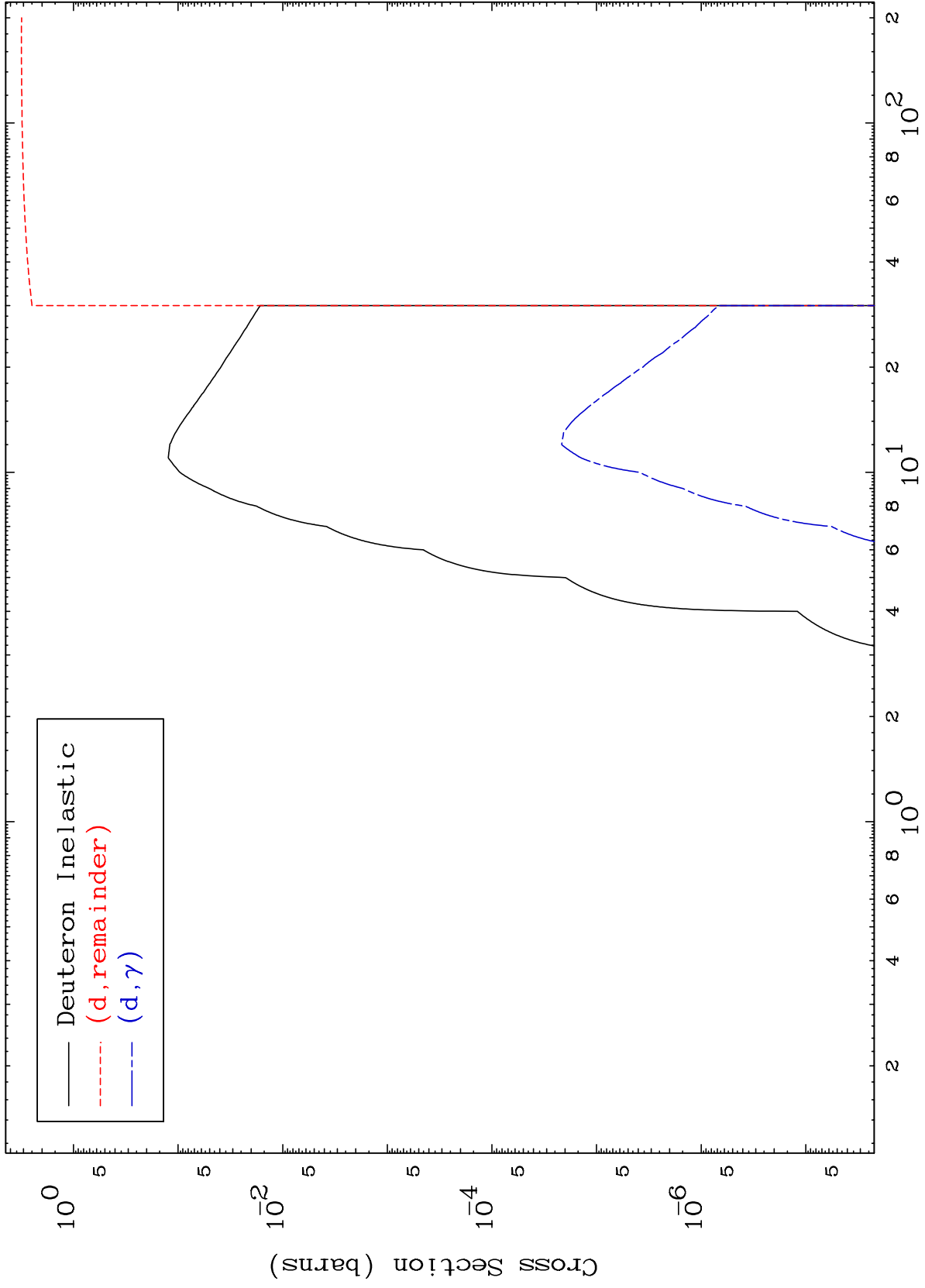
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1466 Hudson Way  
Livermore, CA 94550  
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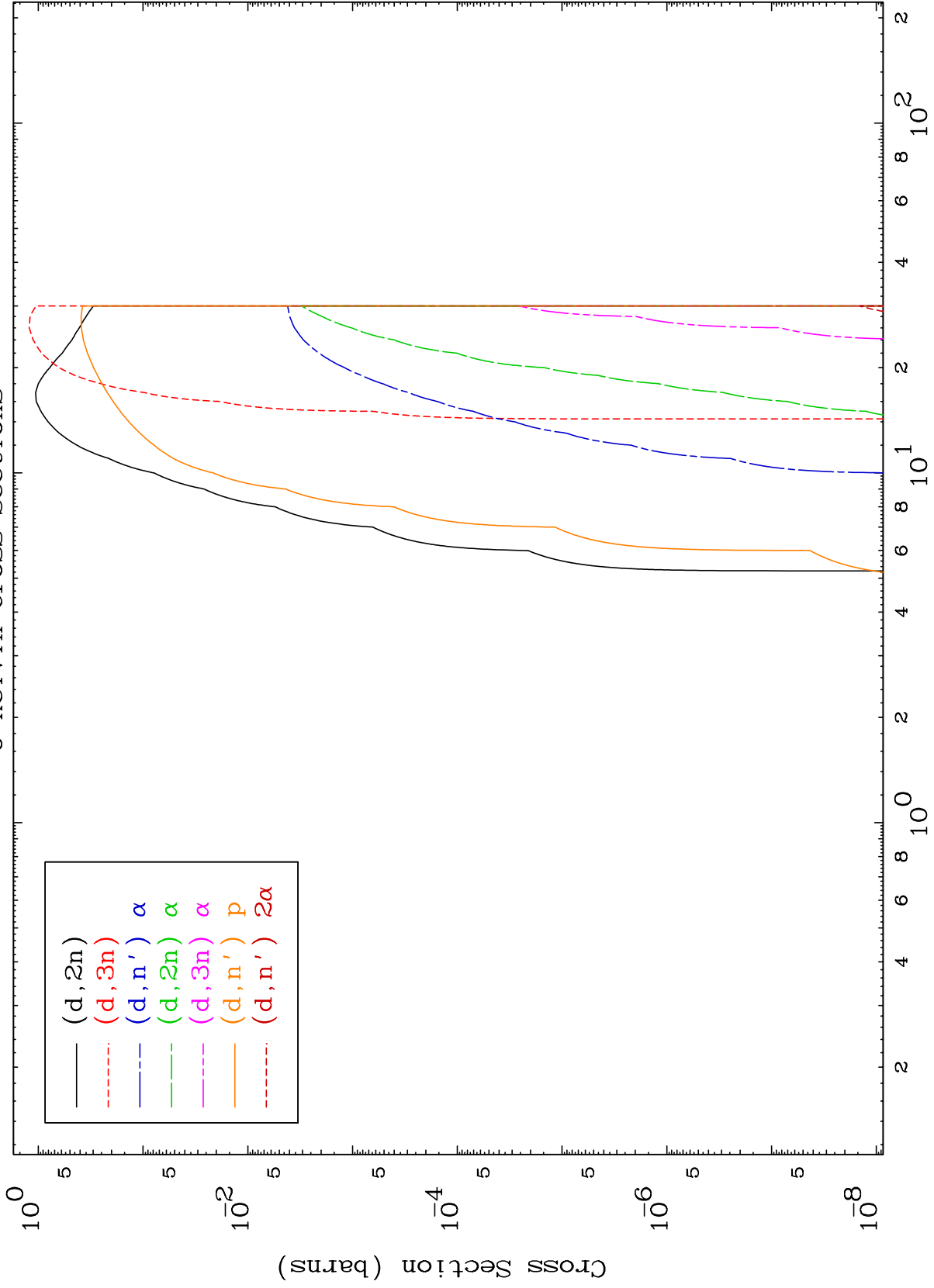
Tele: 925-443-1911

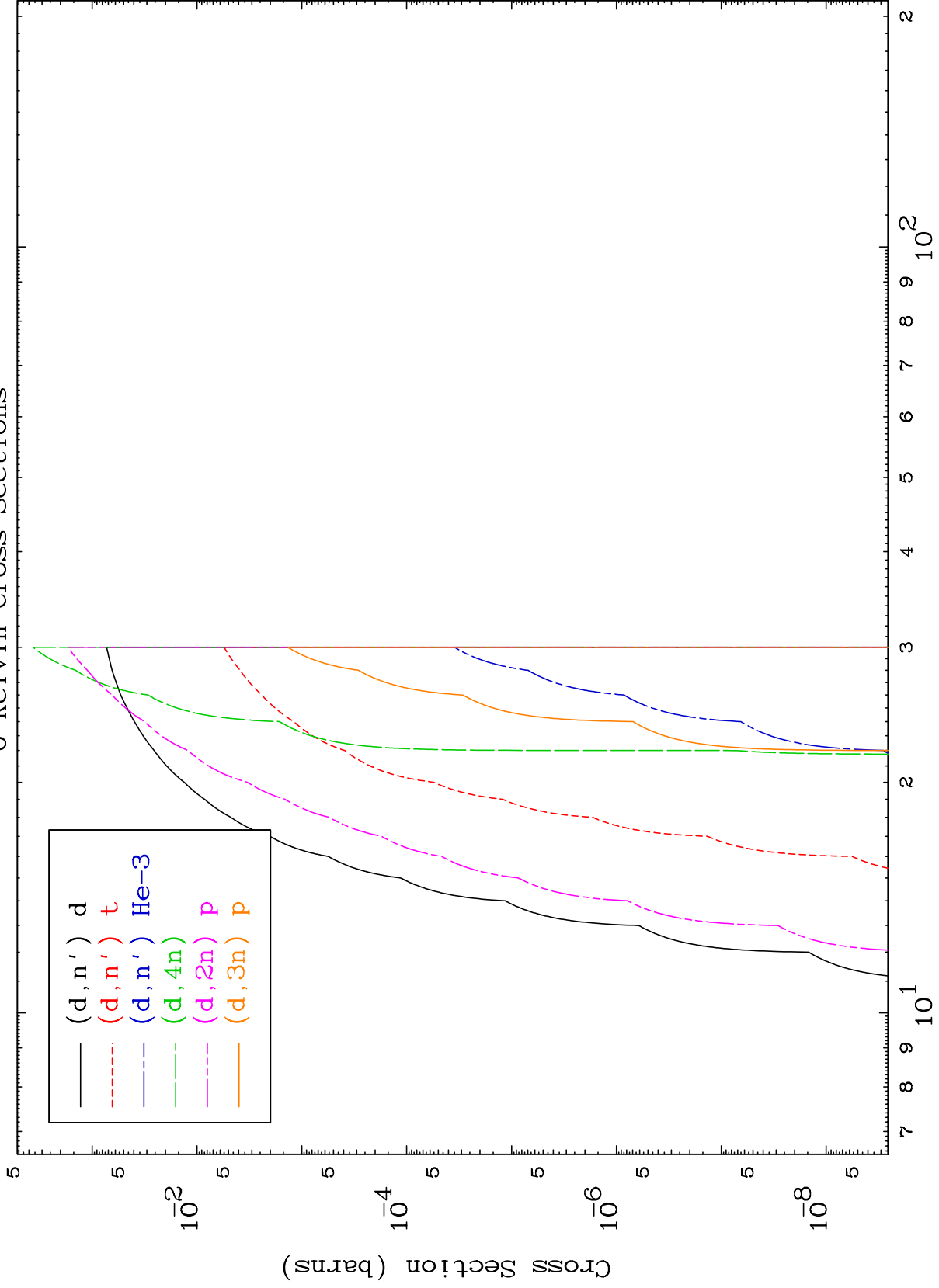
E.Mail:redcullen1@comcast.net

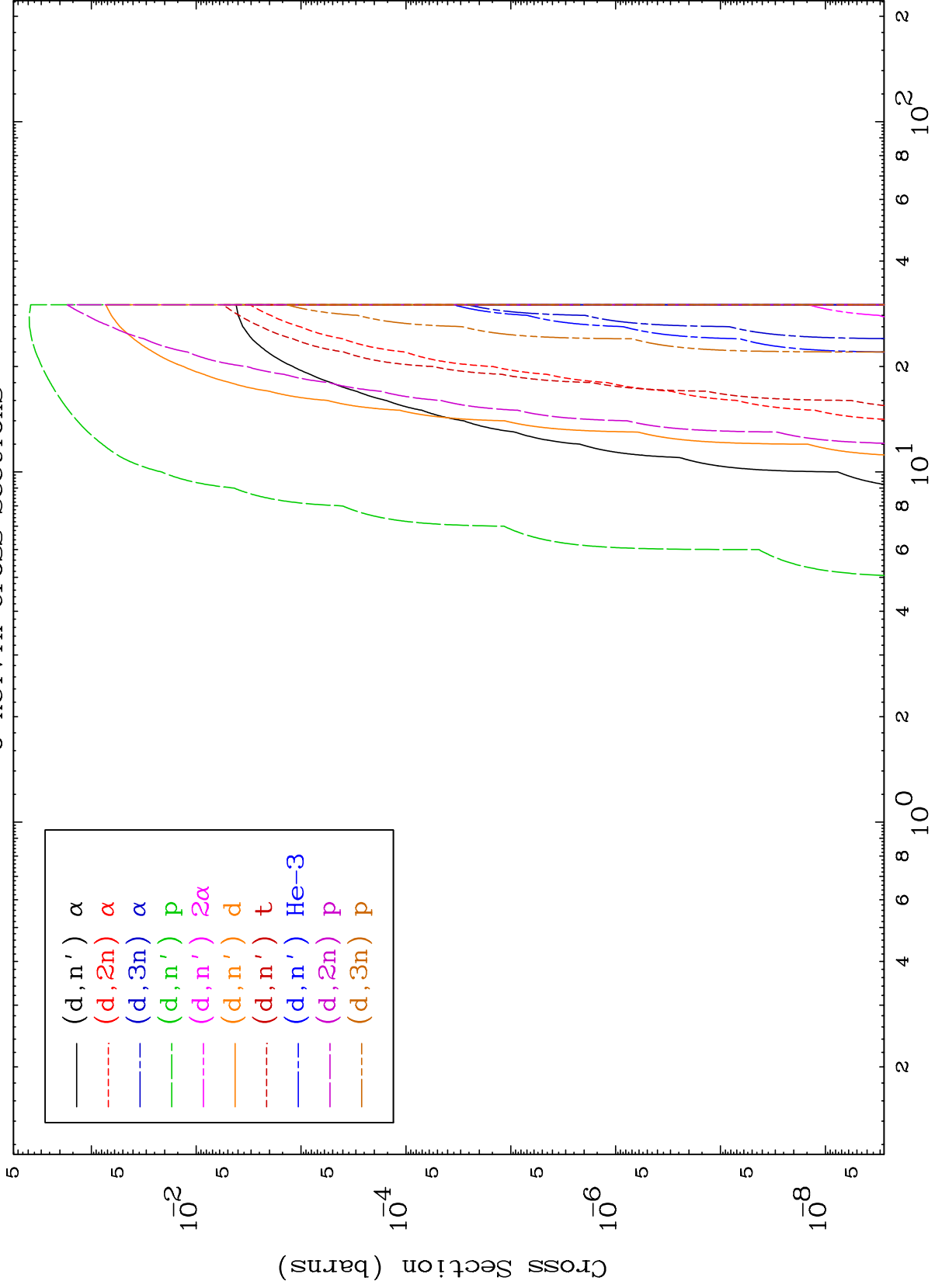
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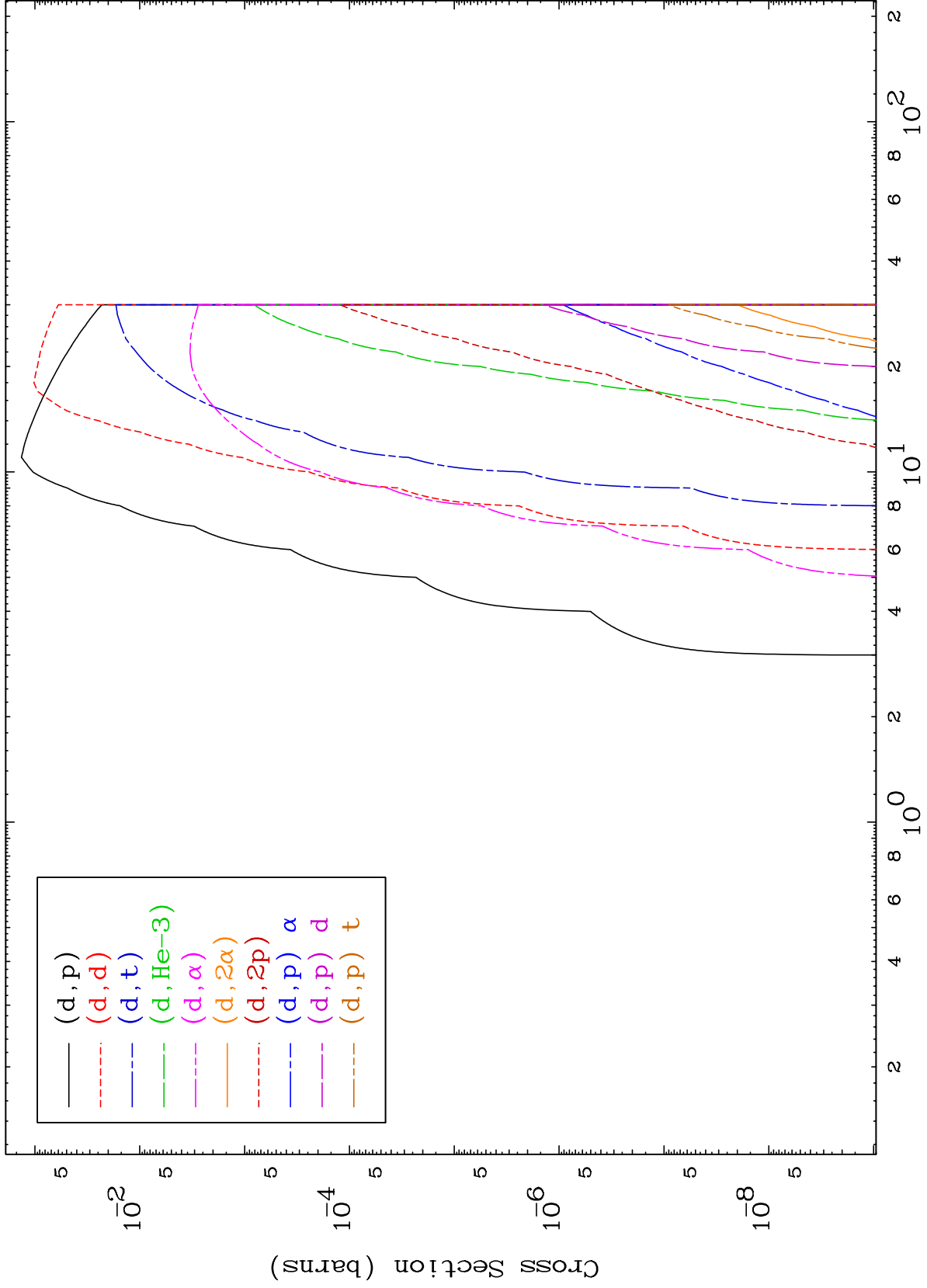
Press Mouse Button to Start









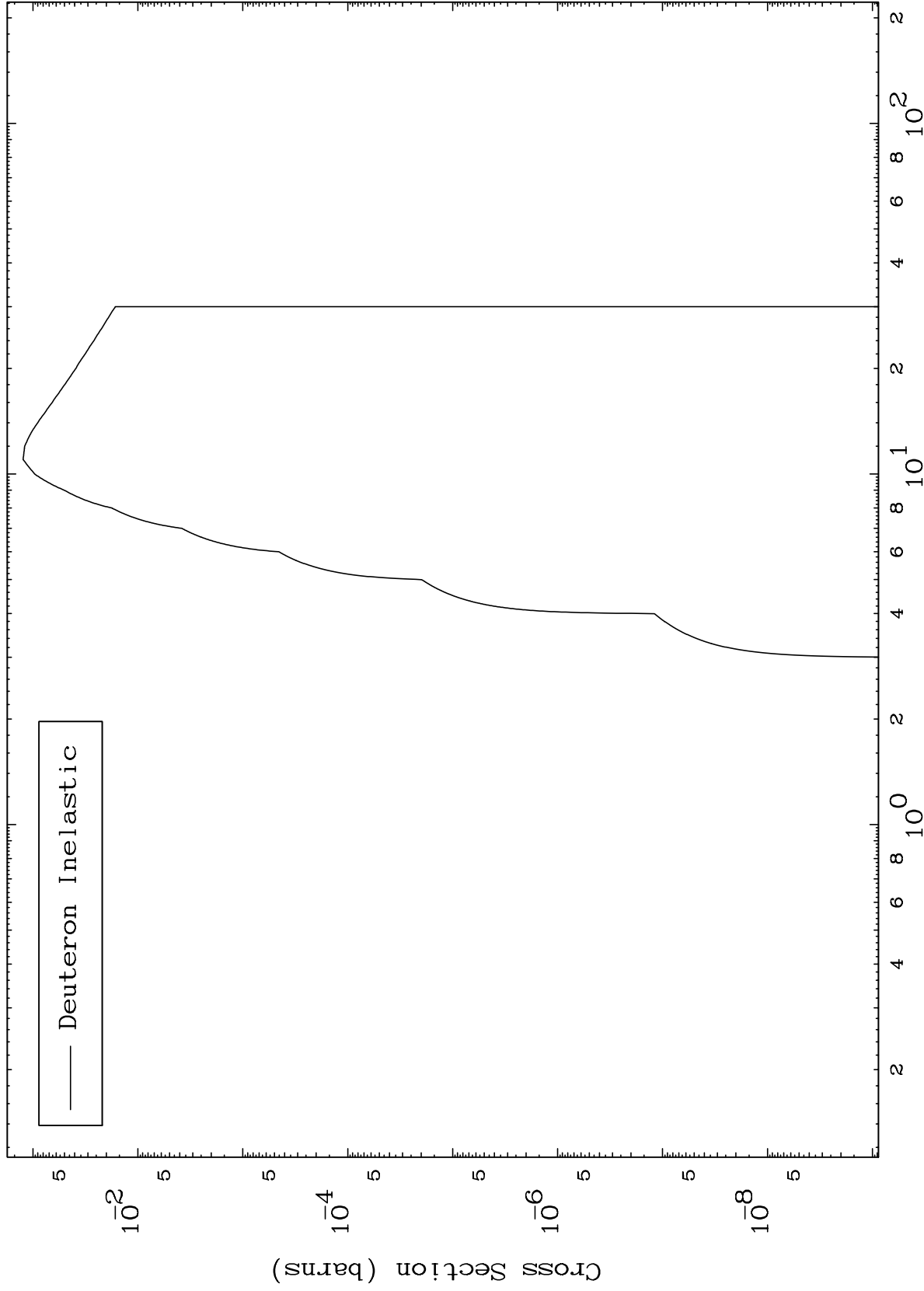


MAT 8028

(d, n') Level

80-Hg-197

0 Kelvin Cross Sections

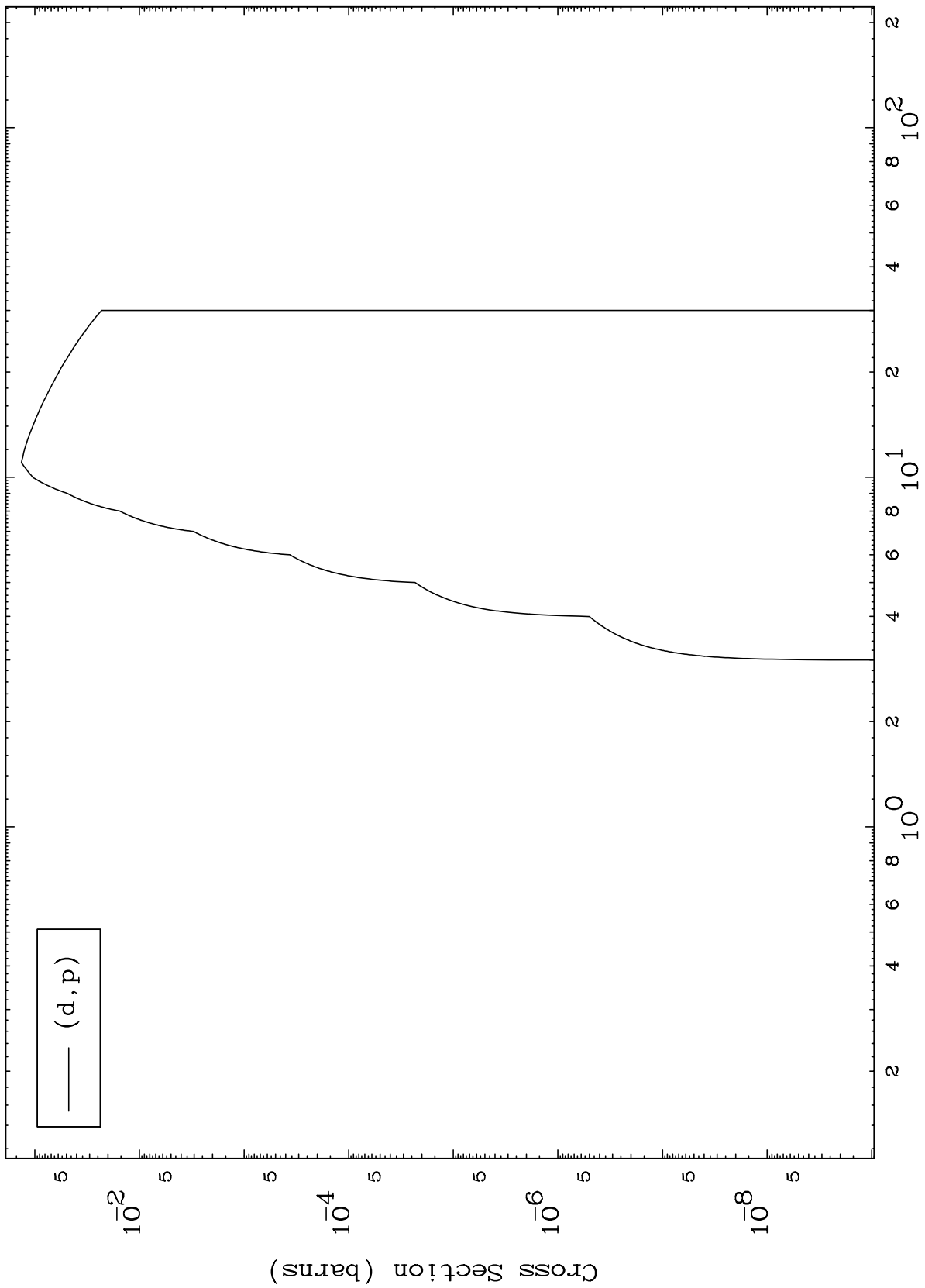


MAT 8028

(d,p) Levels

80-Hg-197

0 Kelvin Cross Sections

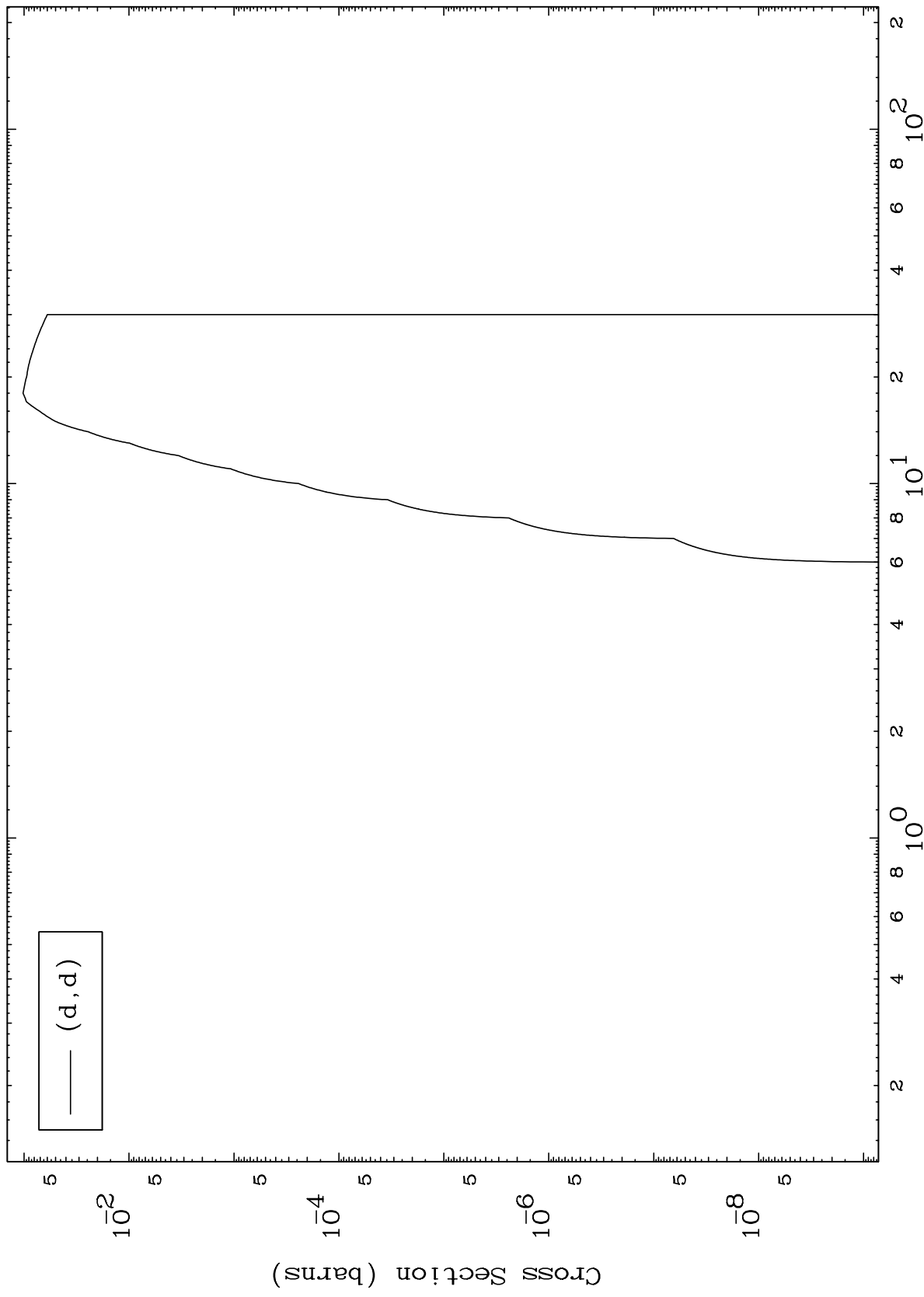




MAT 8028

80-Hg-197

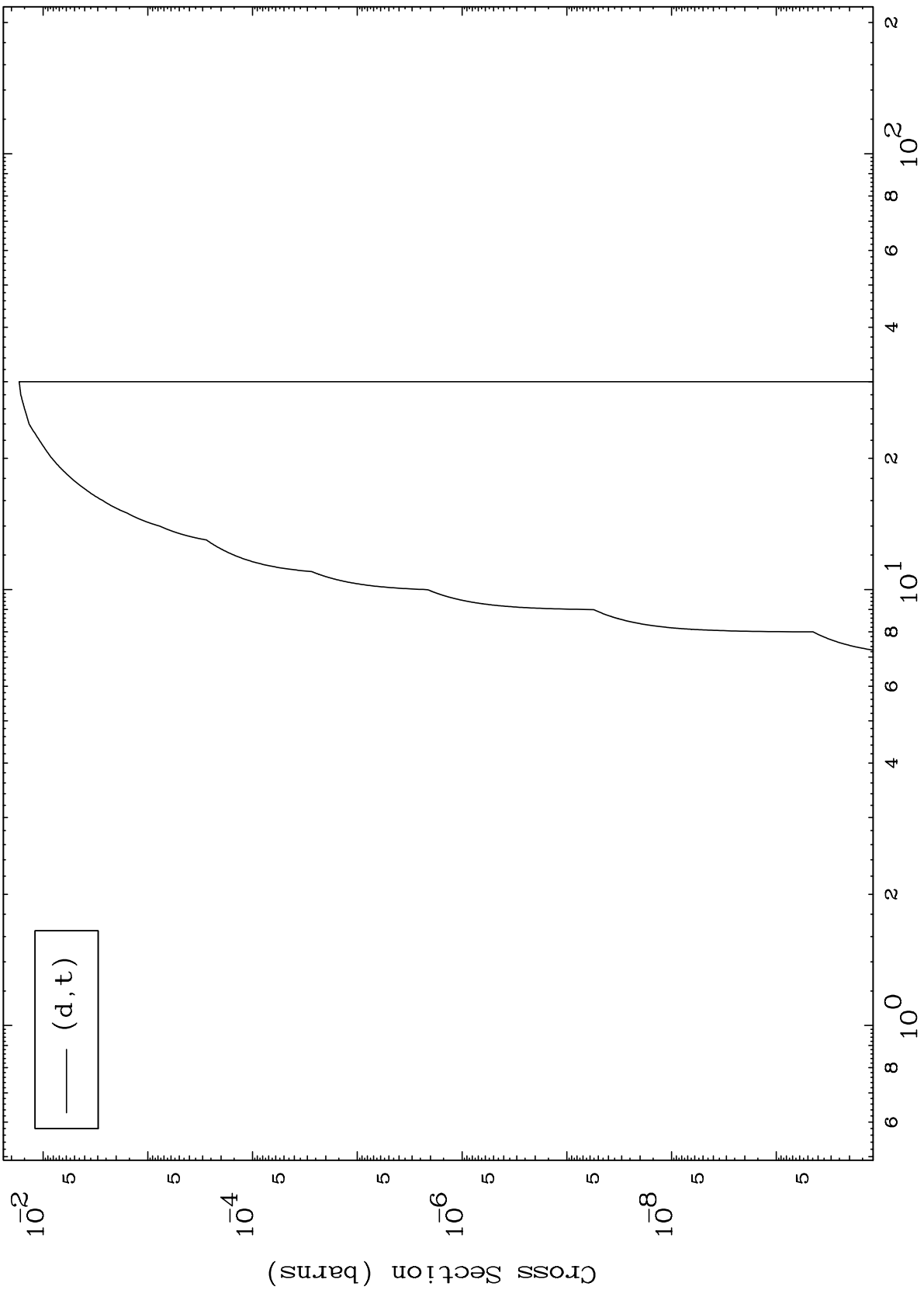
(d,d) Levels  
0 Kelvin Cross Sections



MAT 8028

80-Hg-197

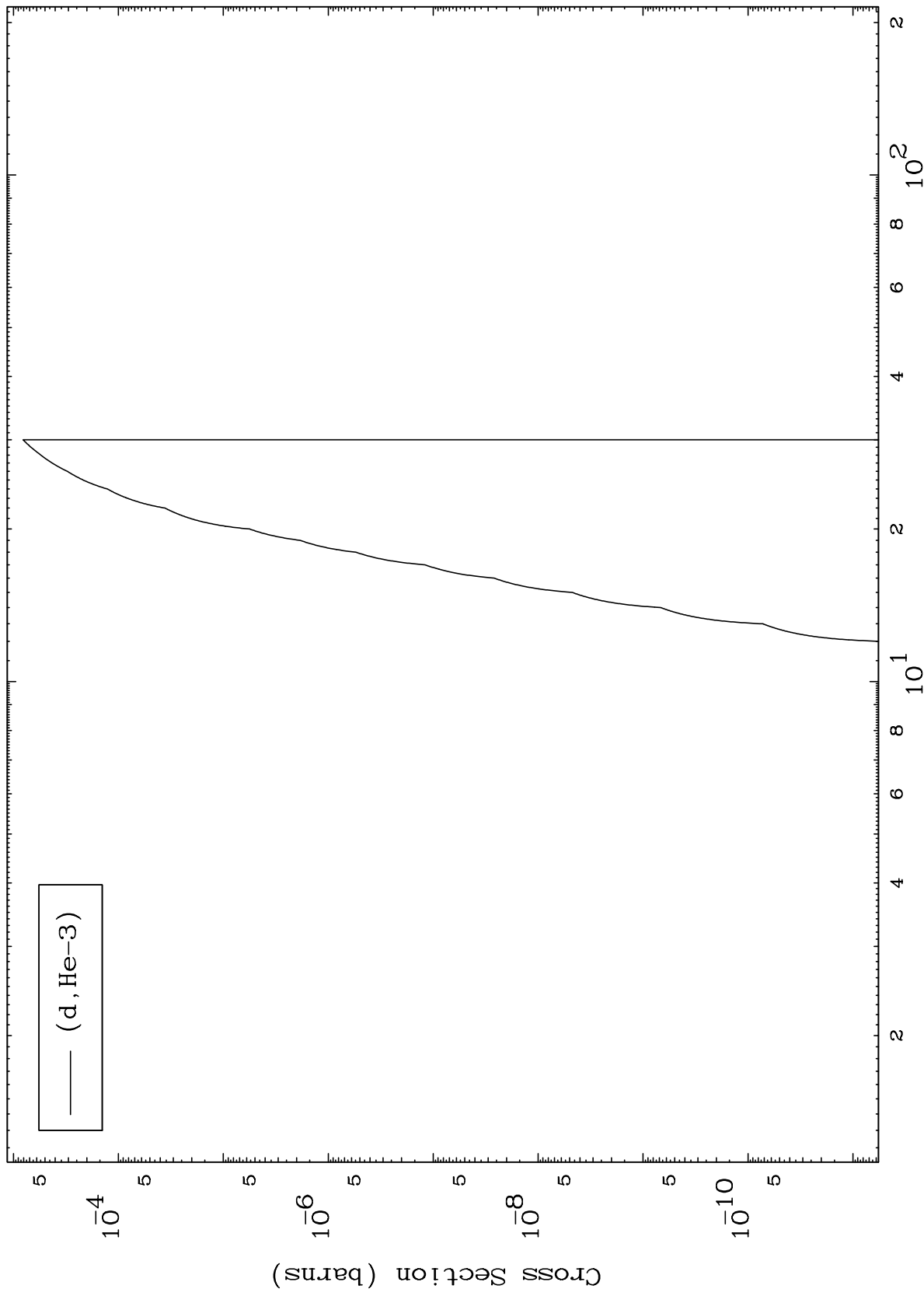
(d, t) Levels  
0 Kelvin Cross Sections



MAT 8028

80-Hg-197

(d,He3) Levels  
0 Kelvin Cross Sections



80-Hg-197

Incident Energy (MeV)

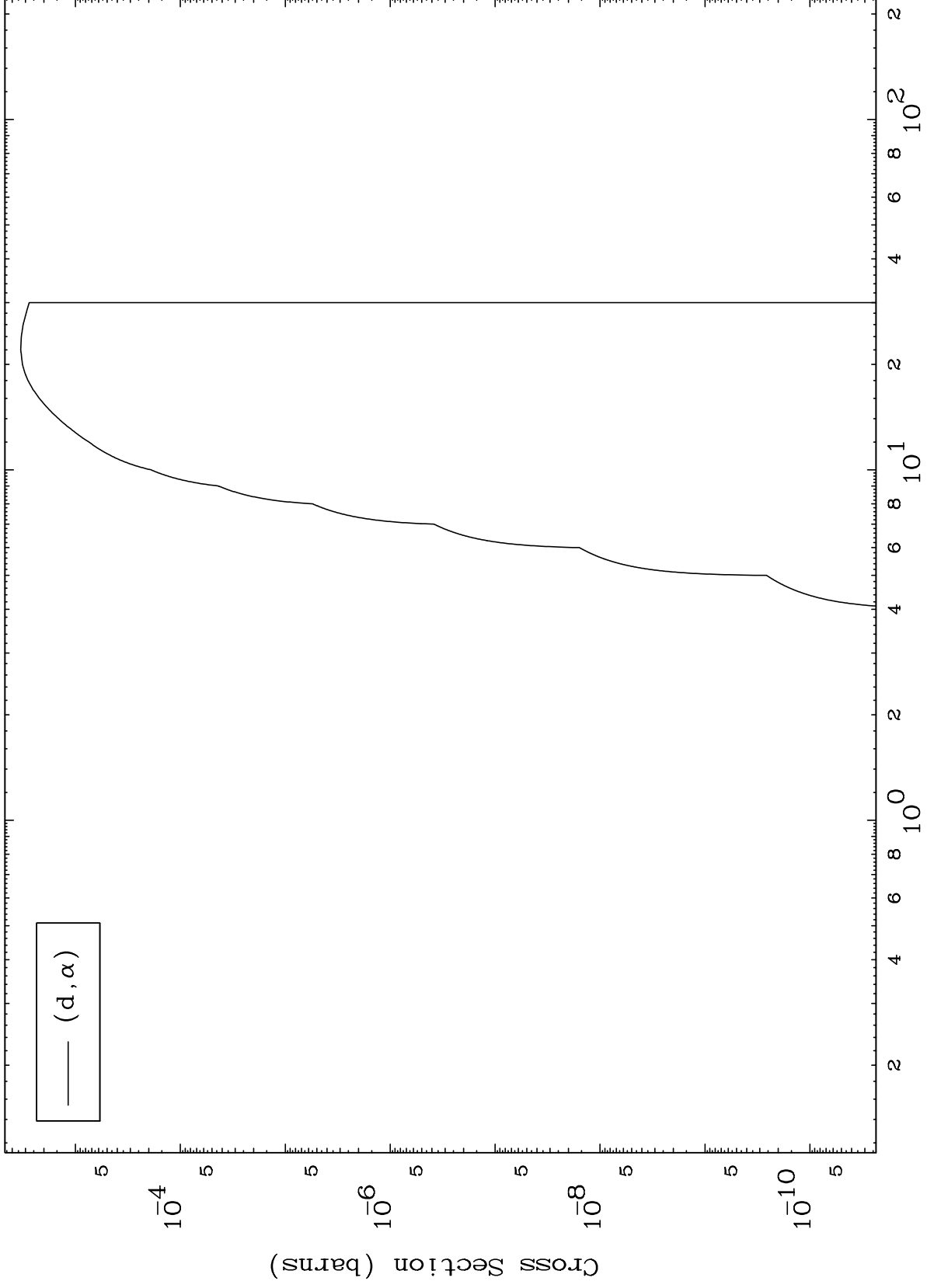
10

MAT 8028

(d,  $\alpha$ ) Levels

80-Hg-197

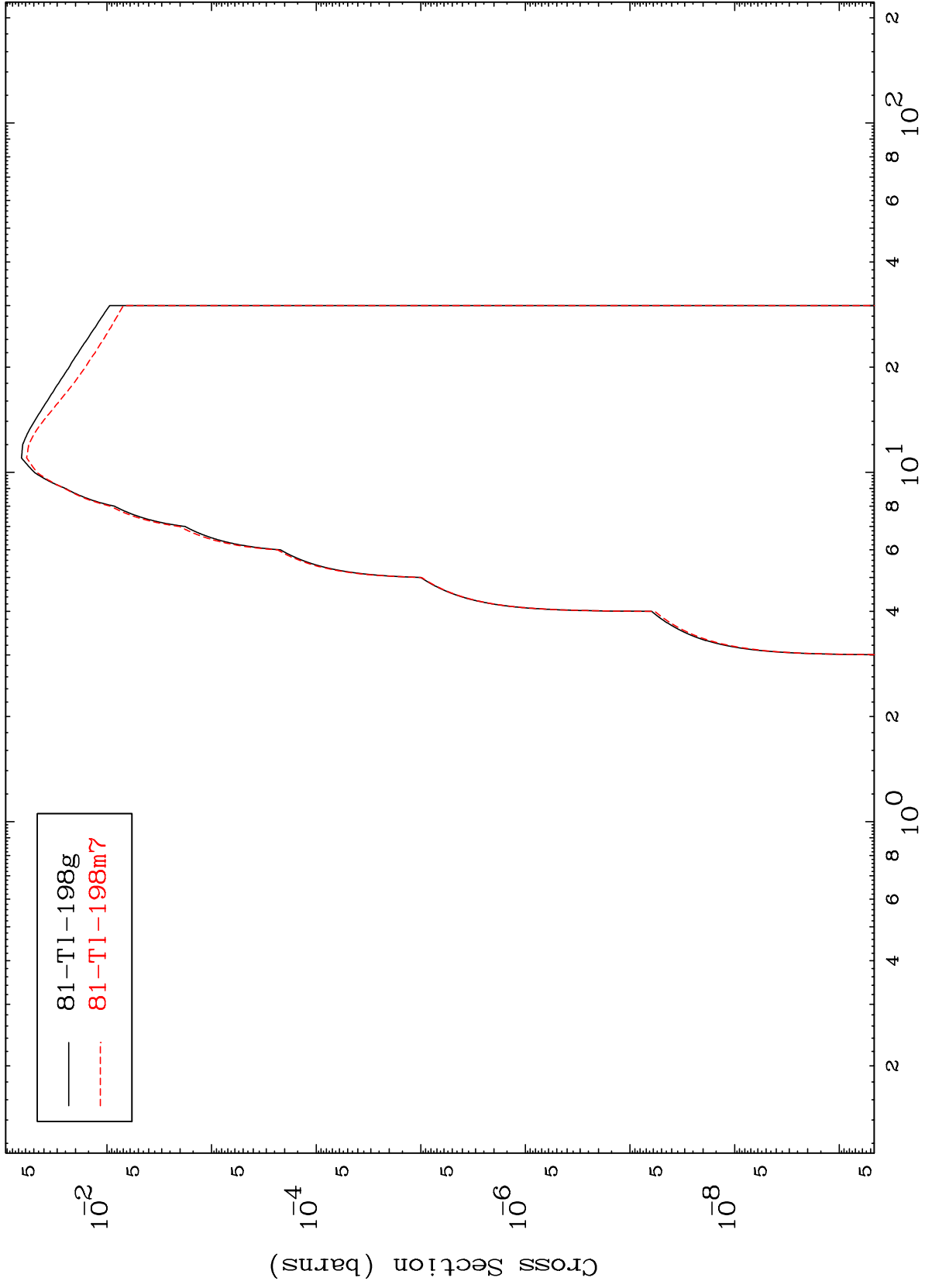
0 Kelvin Cross Sections



MAT 8028

Deuteron Inelastic  
Radionuclide Production Cross Section

80-Hg-197



81-Tl-198g  
81-Tl-198m7

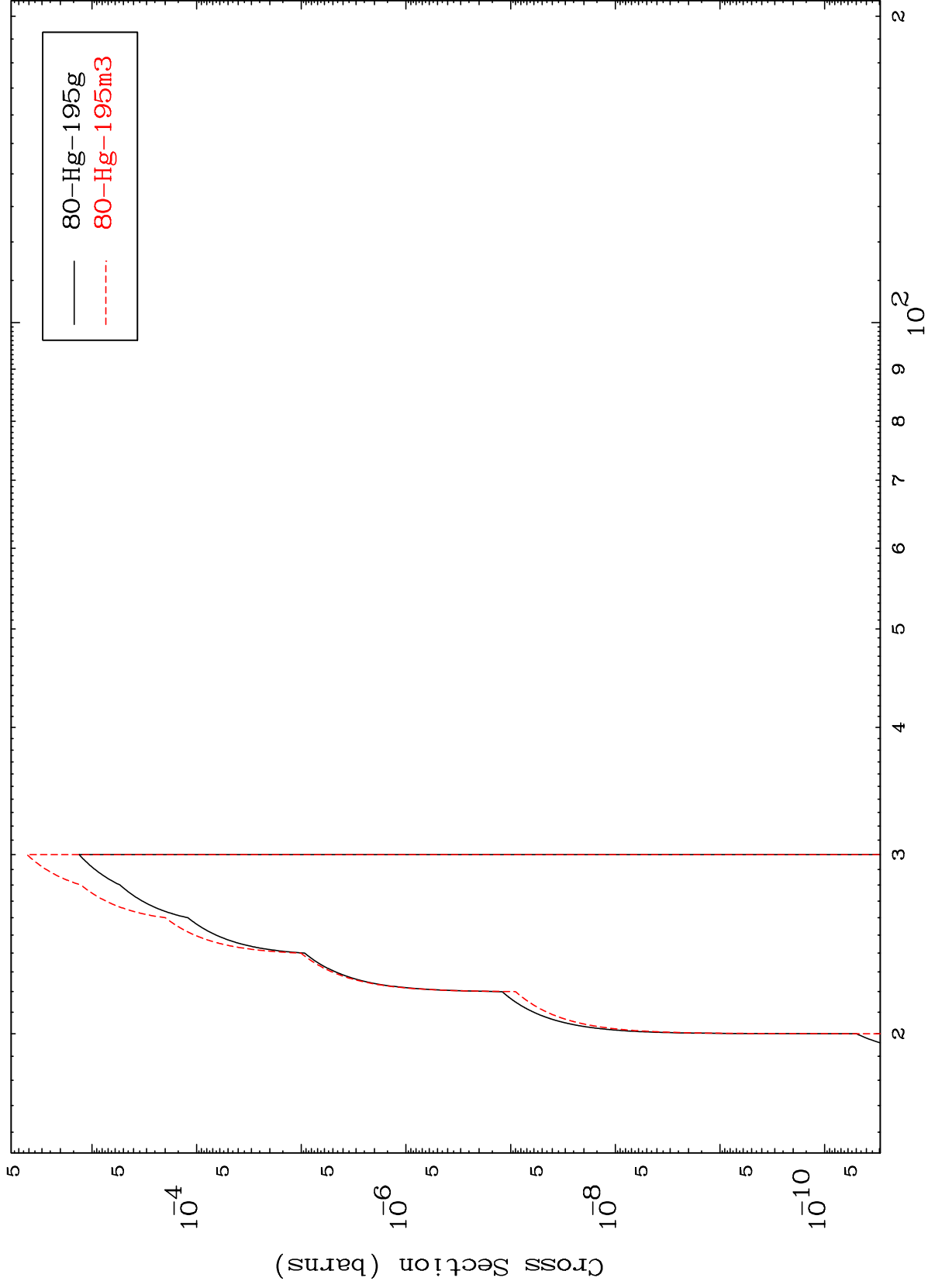
80-Hg-197

MAT 8028

(d,2n) d

80-Hg-197

Radionuclide Production Cross Section



13

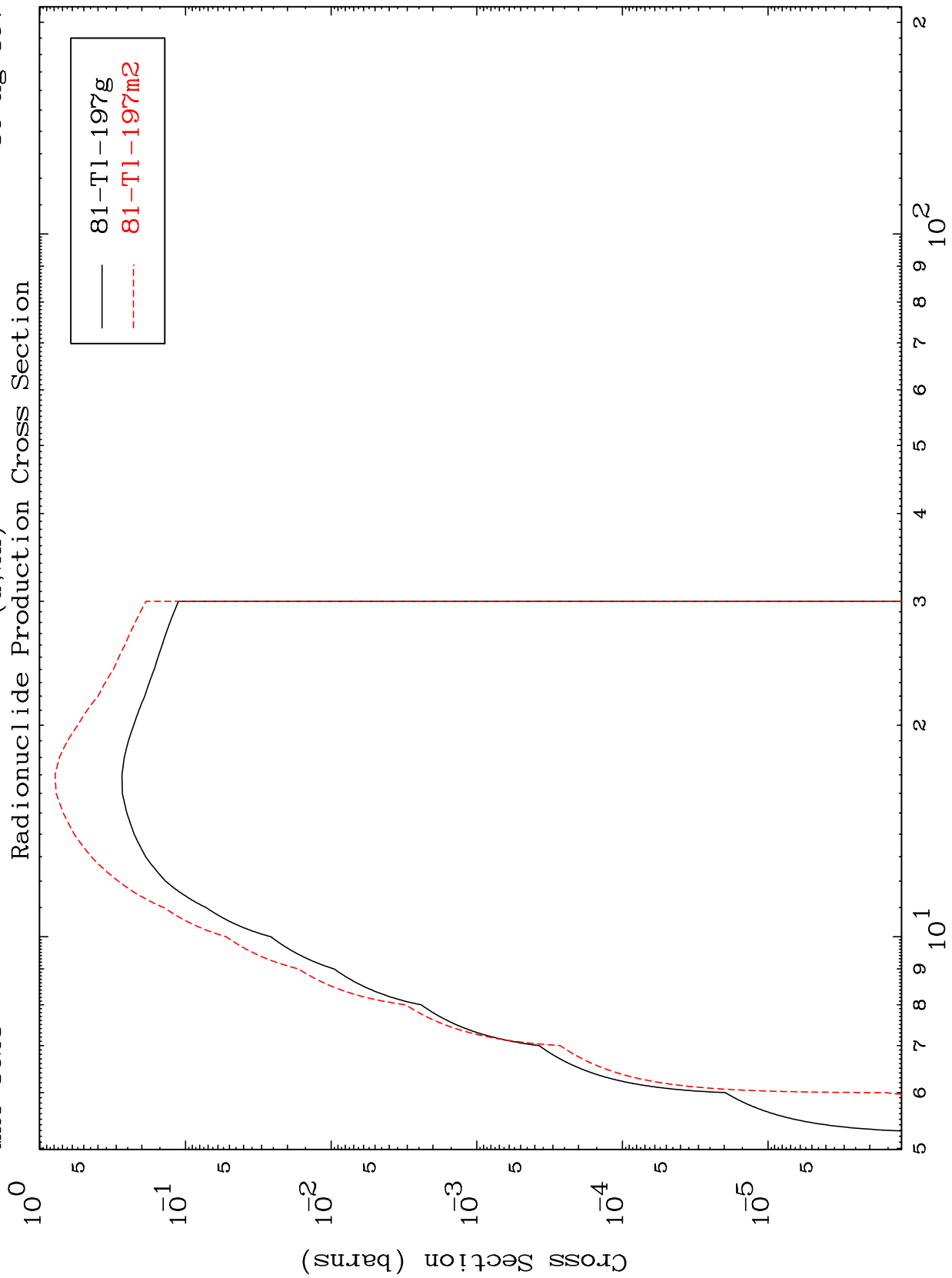
Incident Energy (MeV)

80-Hg-197

MAT 8028

80-Hg-197

Radionuclide Production Cross Section  
(d,2n)



80-Hg-197

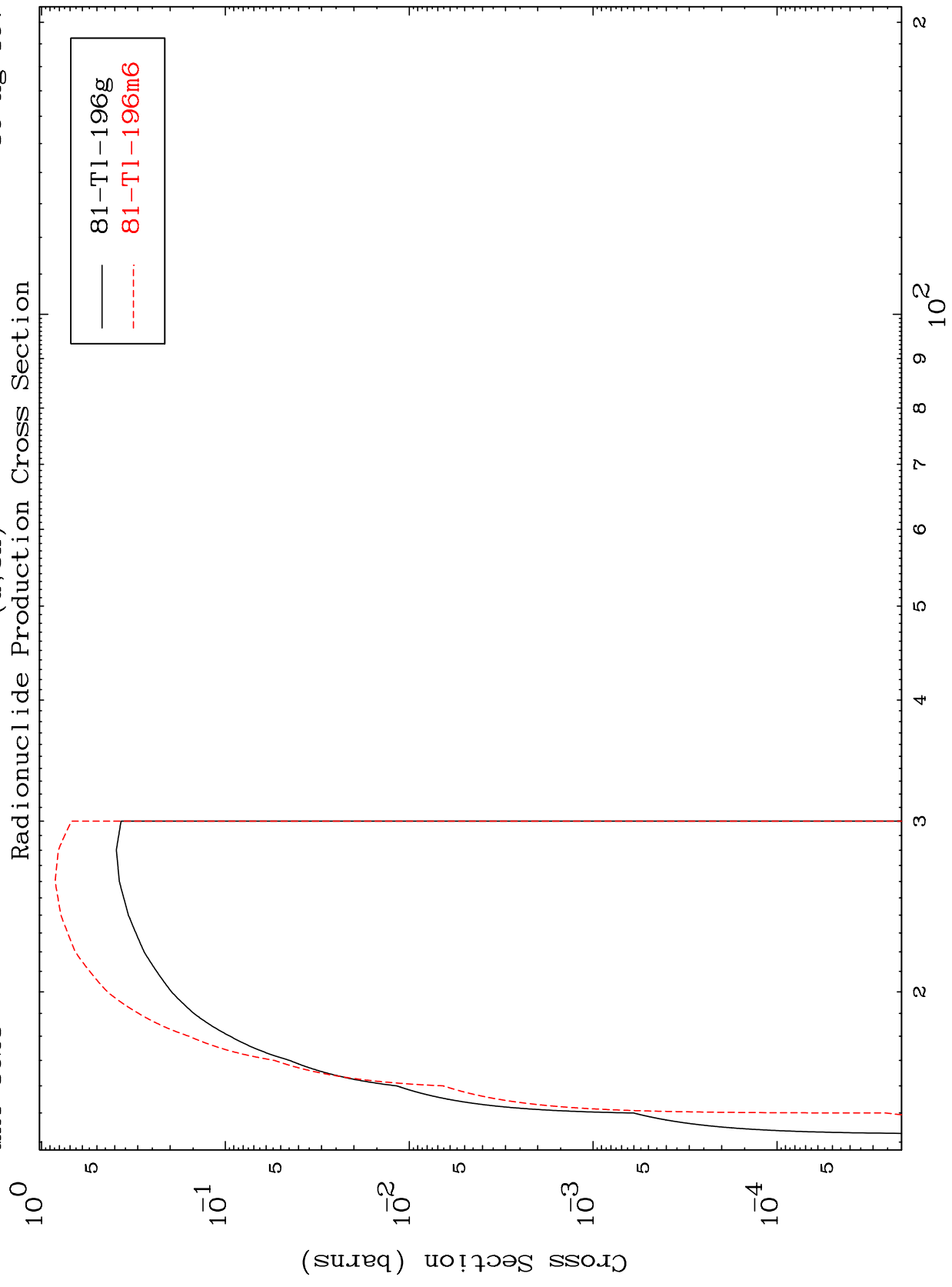
Incident Energy (MeV)

14

MAT 8028

80-Hg-197

(d,3n)  
Radionuclide Production Cross Section



80-Hg-197

Incident Energy (MeV)

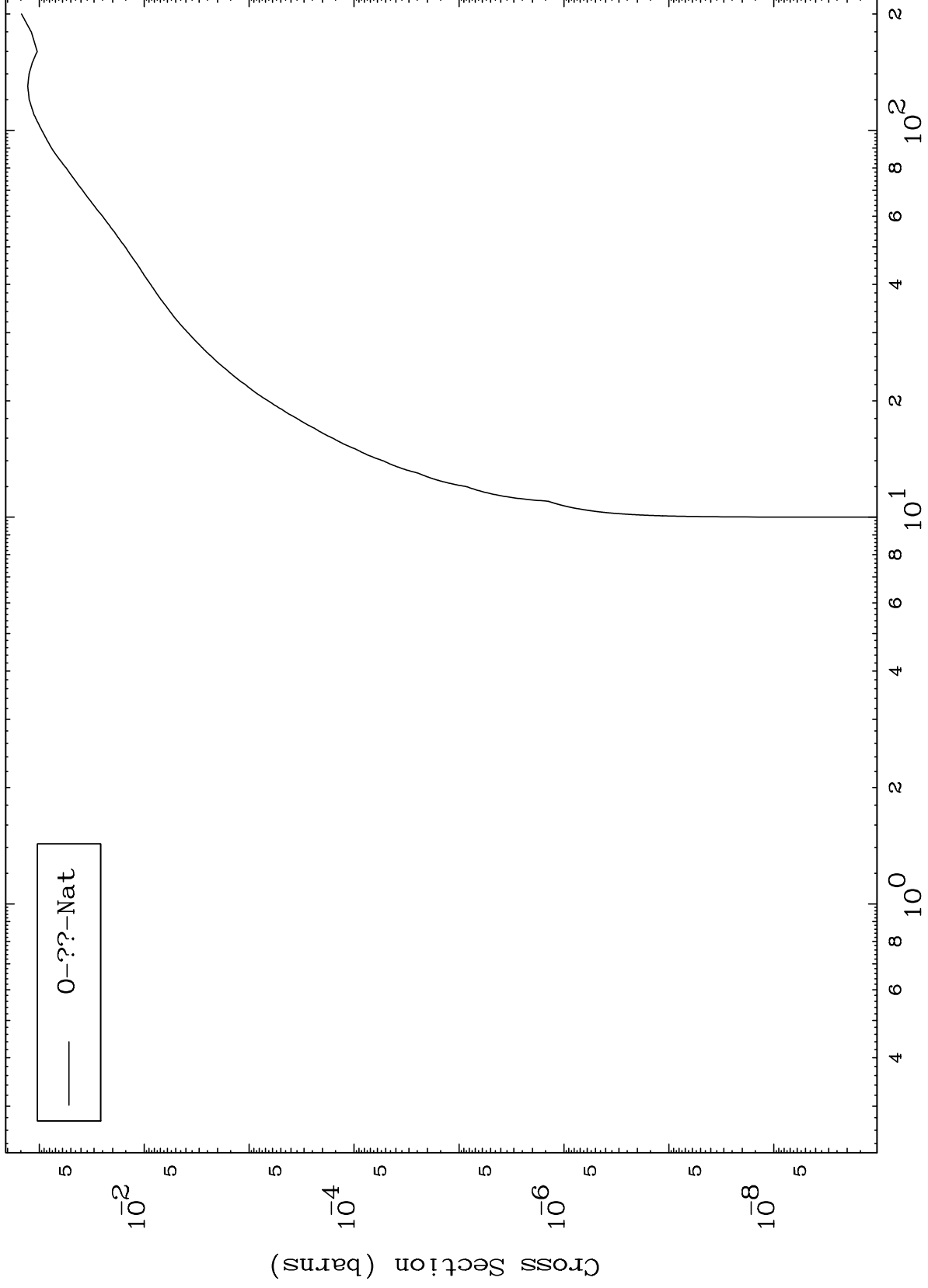
15



MAT 8028

Deuteron Fission  
Radionuclide Production Cross Section

80-Hg-197

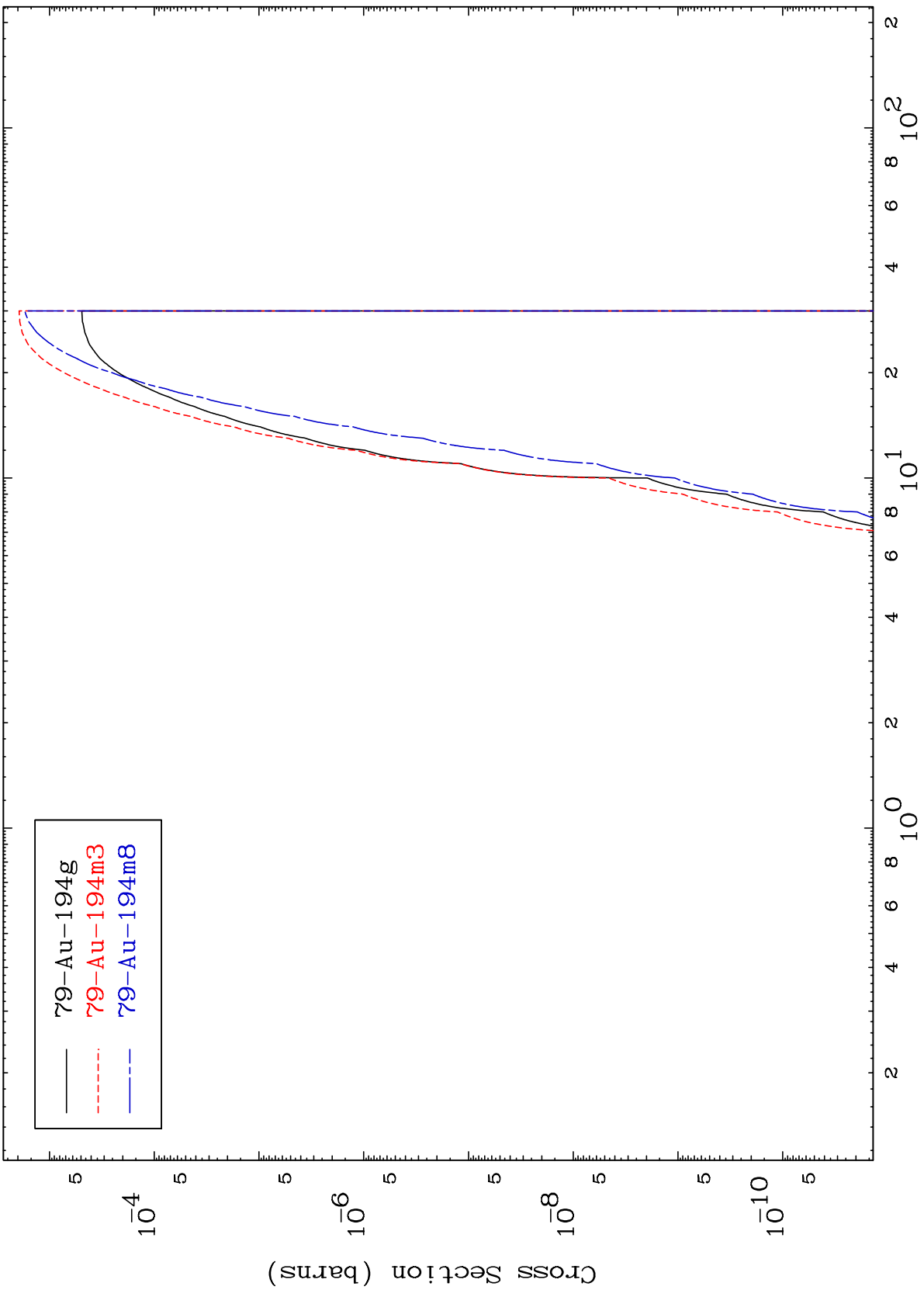


MAT 8028

(d,n')  $\alpha$

80-Hg-197

Radionuclide Production Cross Section

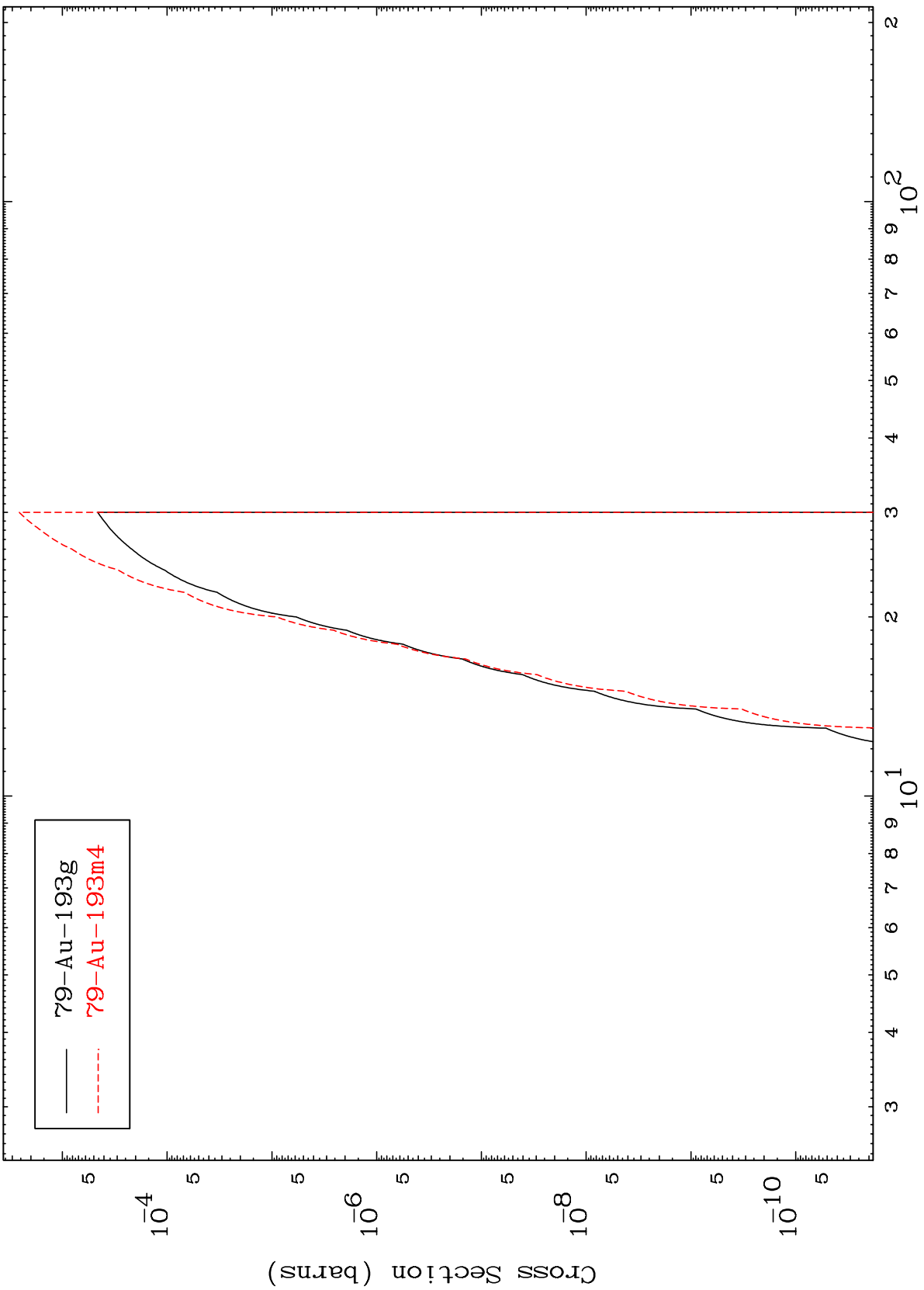


MAT 8028

(d,2n)  $\alpha$

80-Hg-197

Radionuclide Production Cross Section



—  $^{79}\text{Au-193g}$   
- - -  $^{79}\text{Au-193m4}$

18

Incident Energy (MeV)

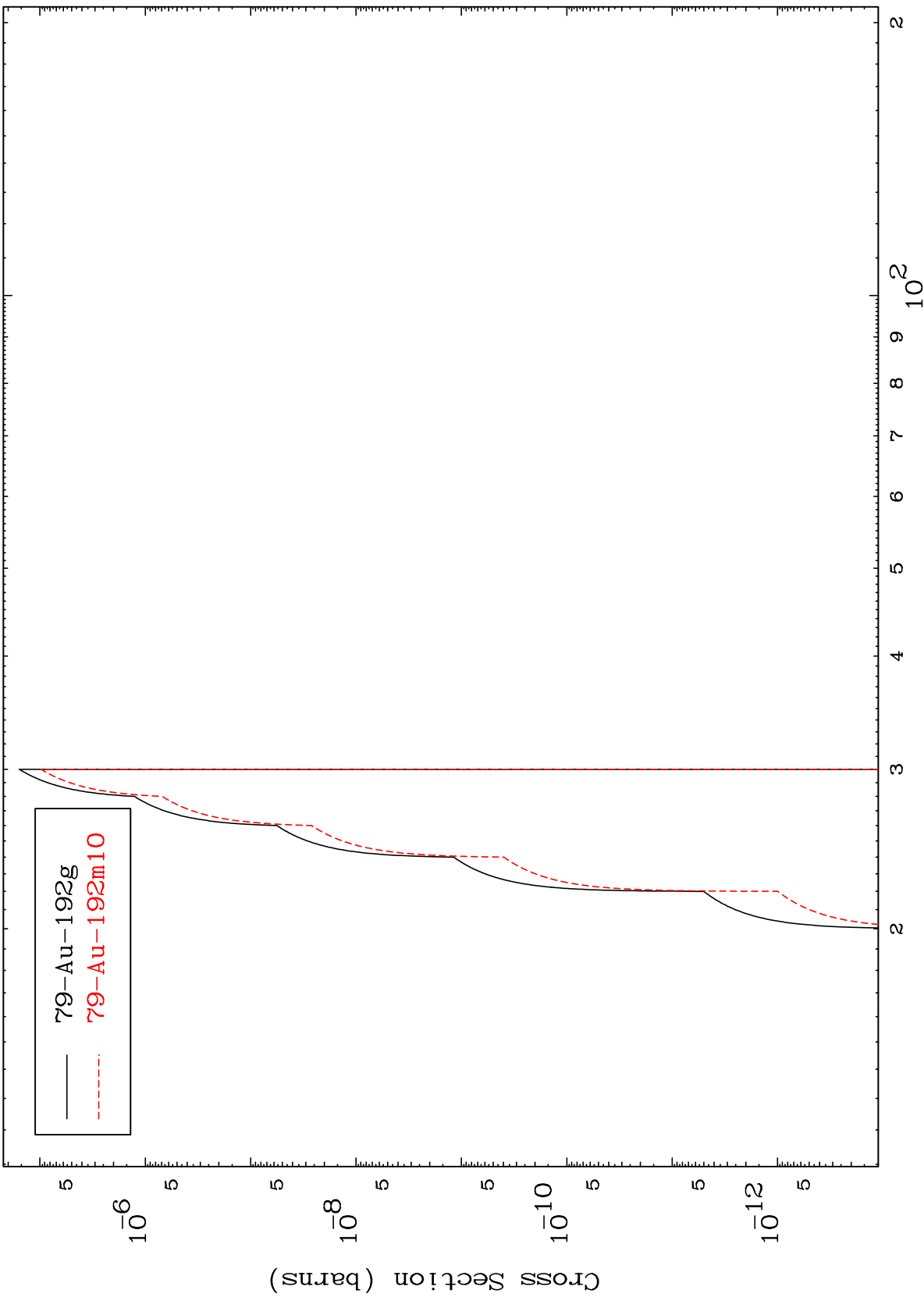
80-Hg-197

MAT 8028

(d,3n)  $\alpha$

80-Hg-197

Radionuclide Production Cross Section



19

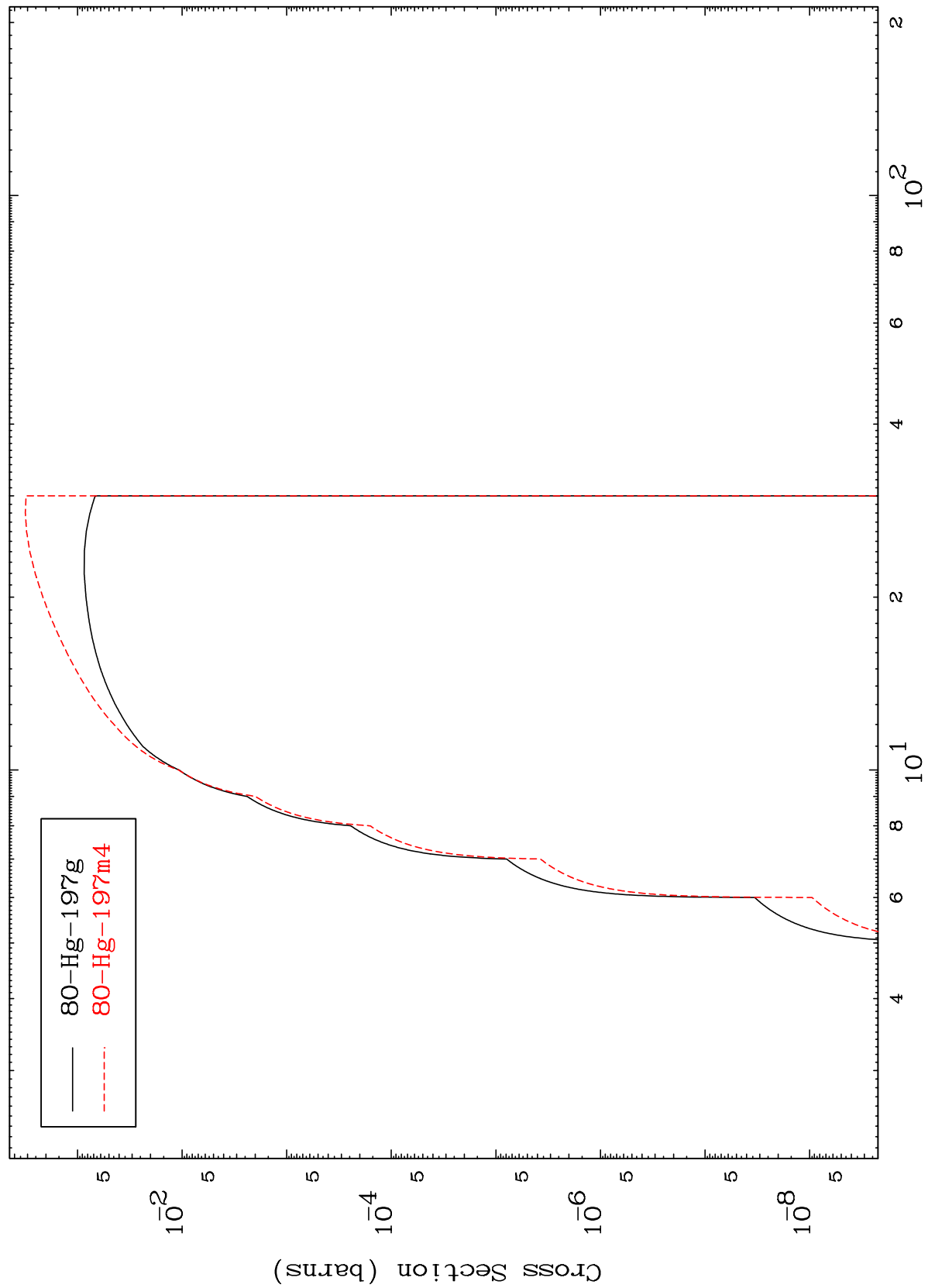
Incident Energy (MeV)

80-Hg-197

MAT 8028

80-Hg-197

(d,n') p  
Radionuclide Production Cross Section



20

Incident Energy (MeV)

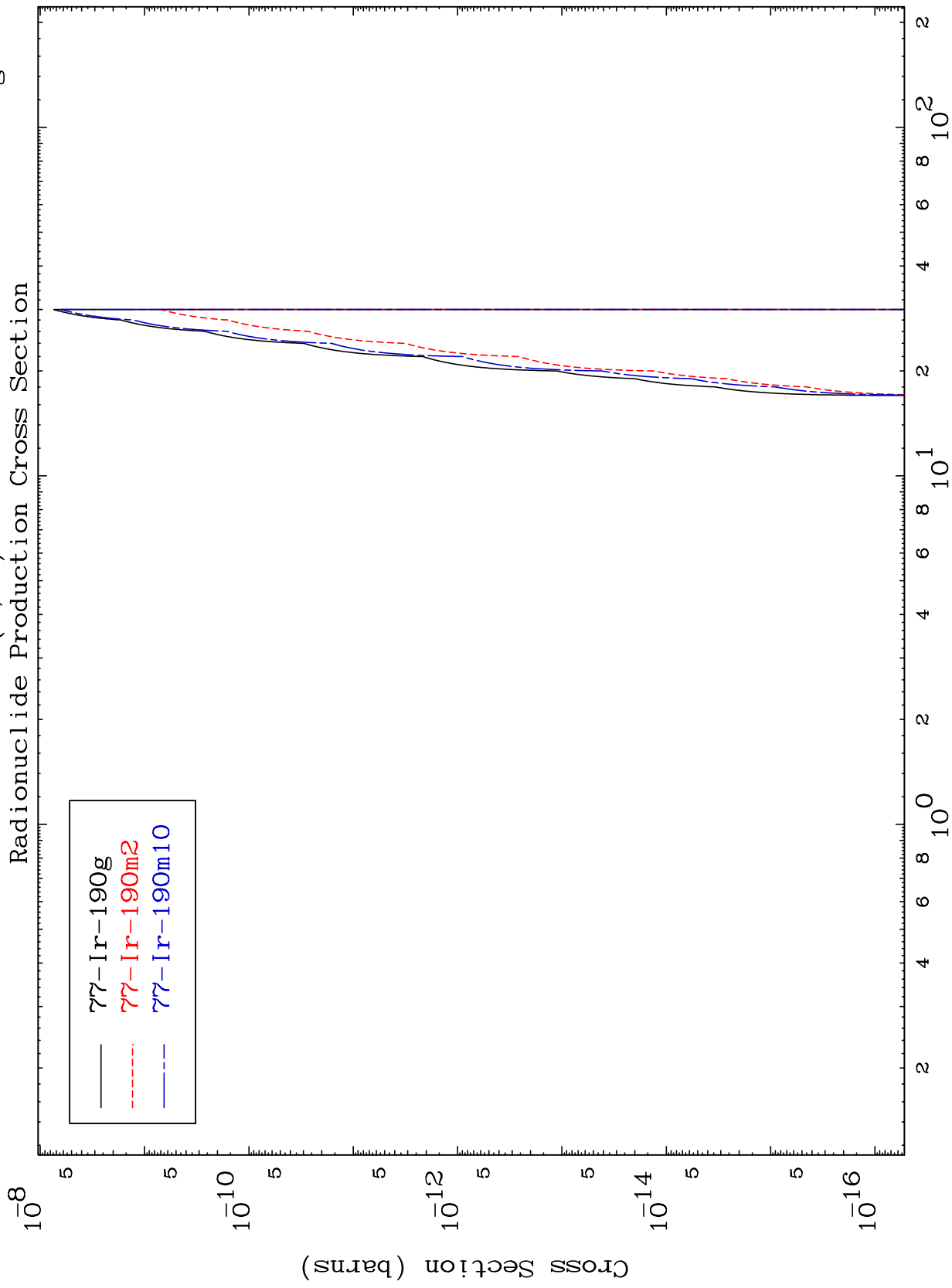
80-Hg-197

MAT 8028

80-Hg-197

(d,n') 2 $\alpha$

Radionuclide Production Cross Section



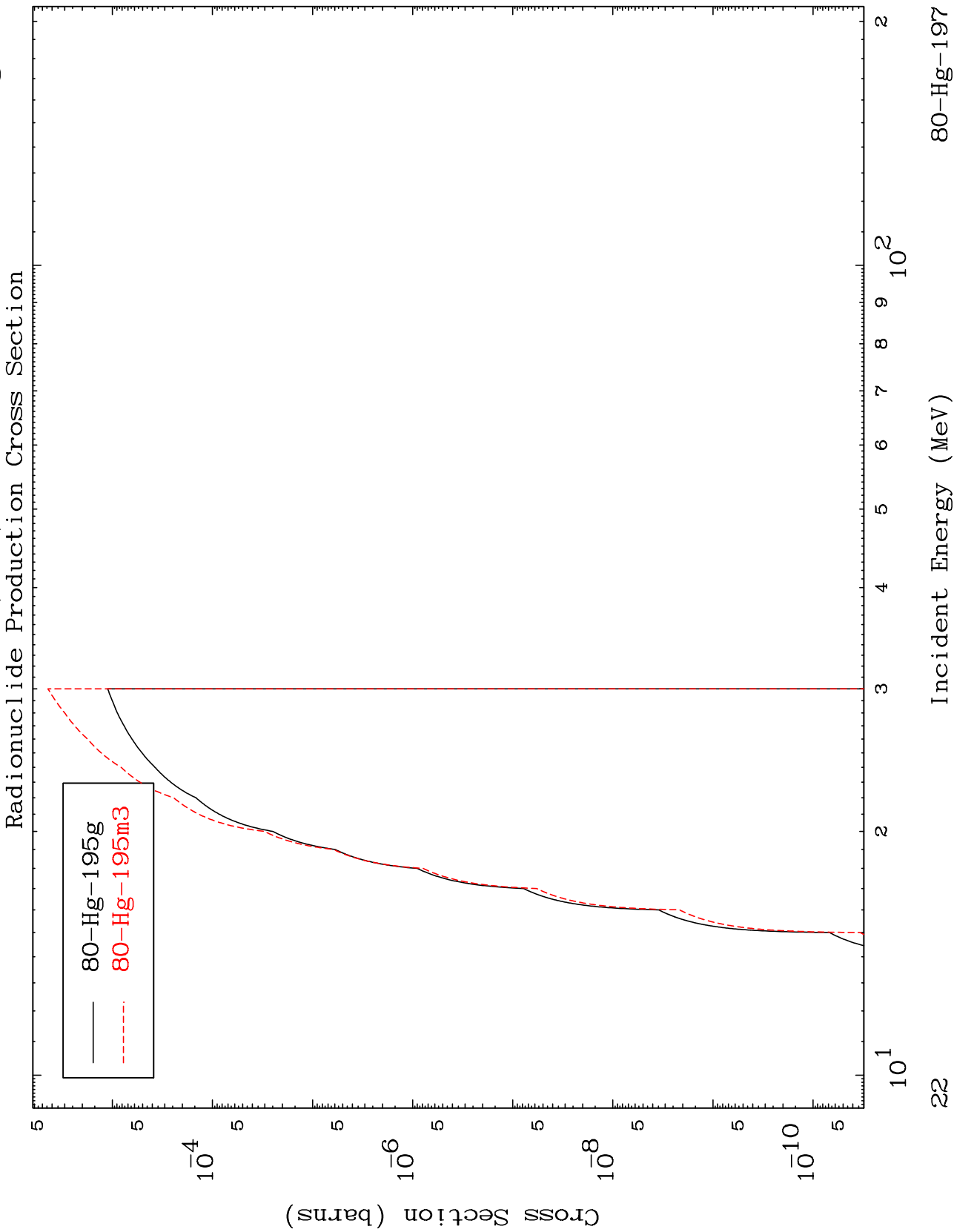
80-Hg-197

Incident Energy (MeV)

MAT 8028

(d,n') t

80-Hg-197



22

Incident Energy (MeV)

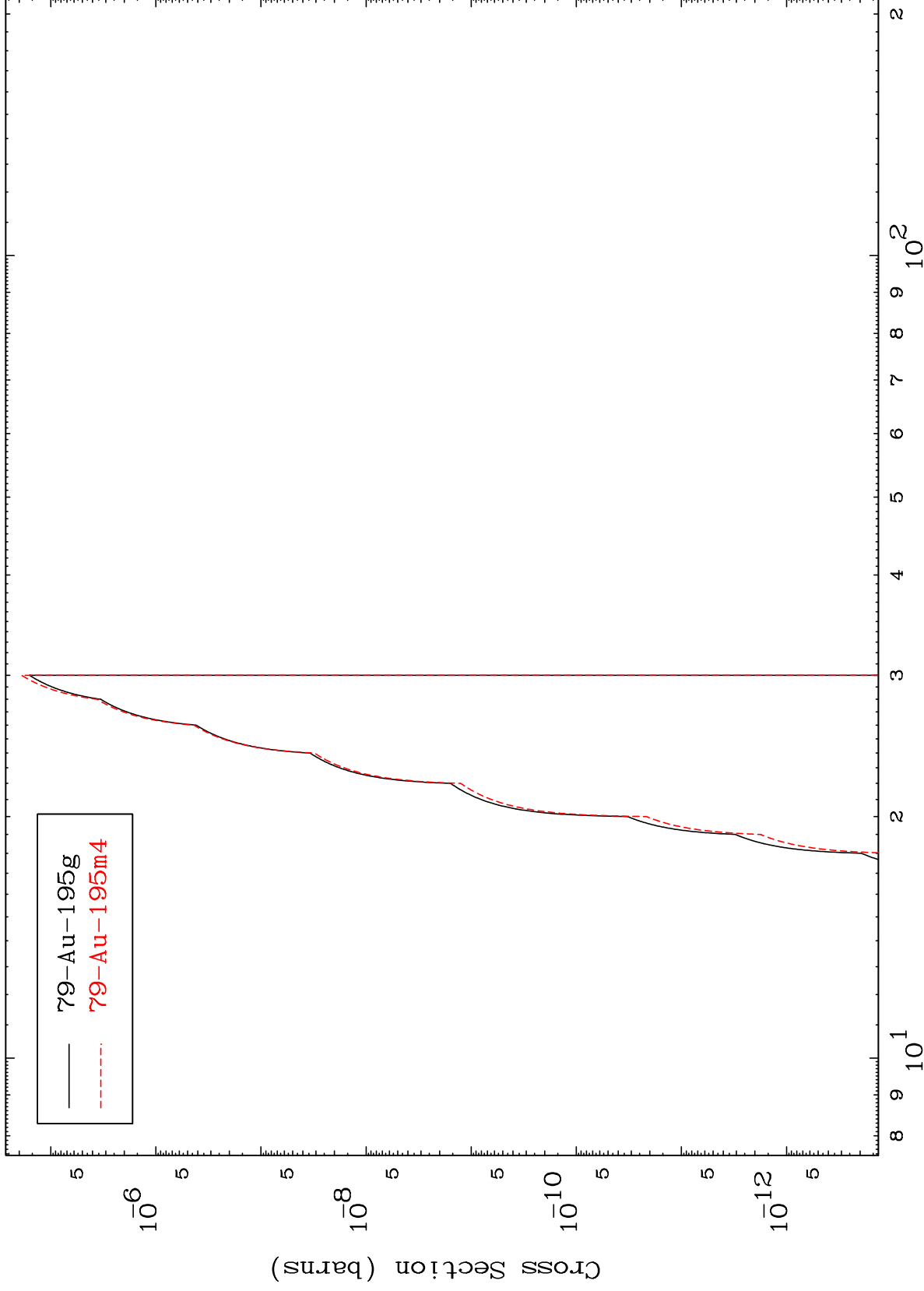
80-Hg-197

MAT 8028

(d,n') He-3

80-Hg-197

Radionuclide Production Cross Section



23

Incident Energy (MeV)

80-Hg-197

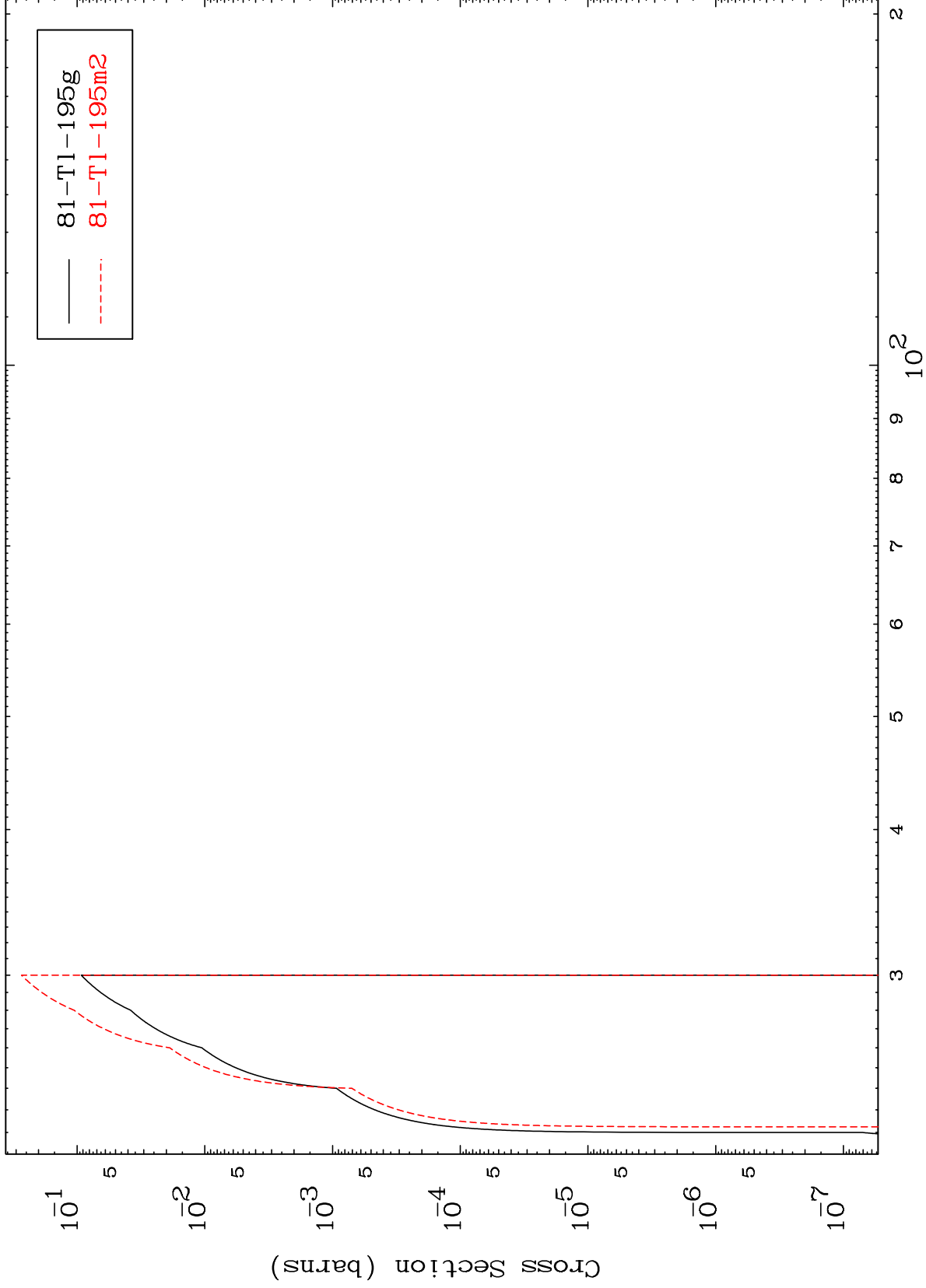


MAT 8028

(d,4n)

80-Hg-197

Radionuclide Production Cross Section



24

Incident Energy (MeV)

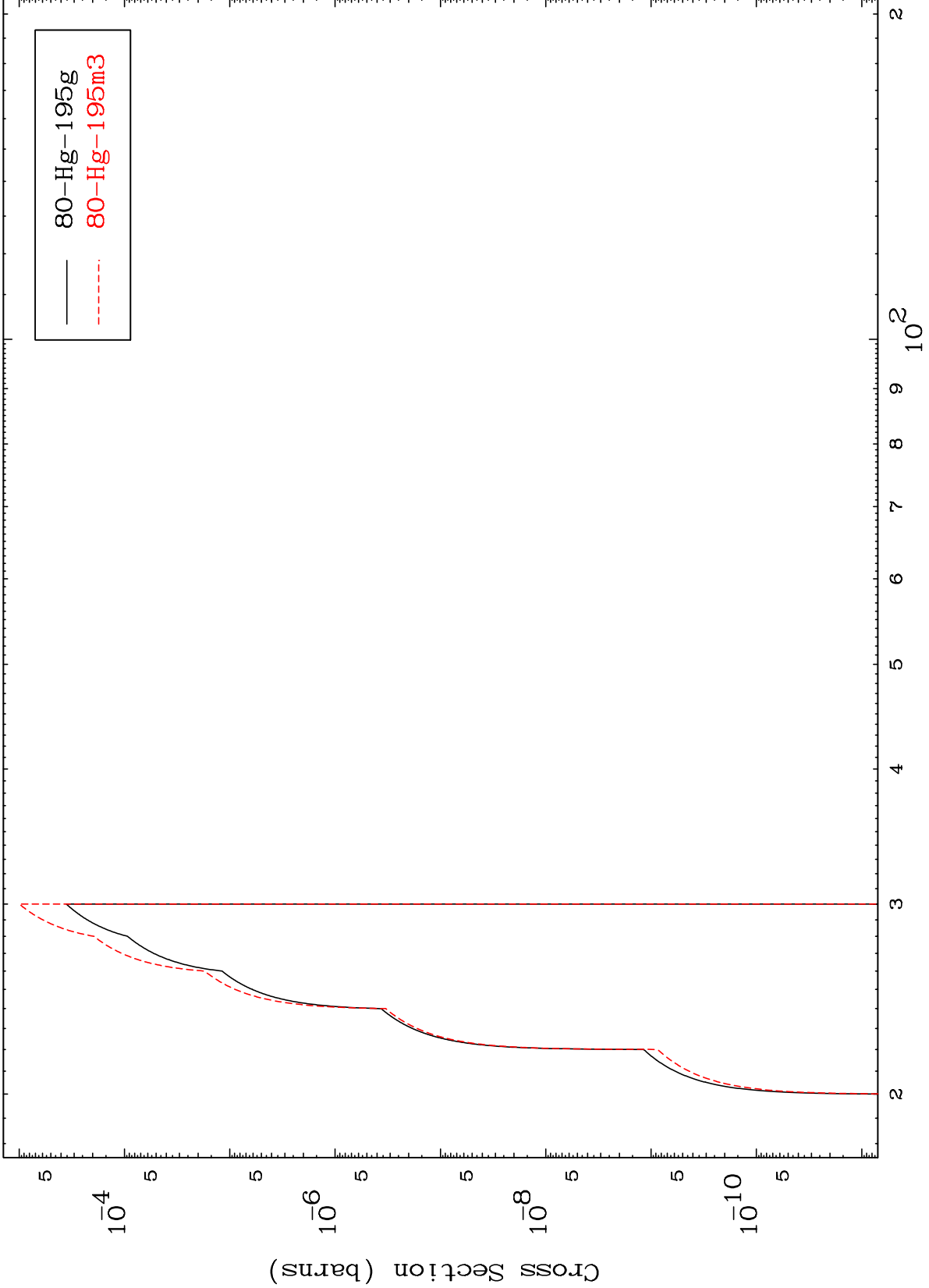
80-Hg-197

MAT 8028

(d,3n) p

80-Hg-197

Radionuclide Production Cross Section



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

25

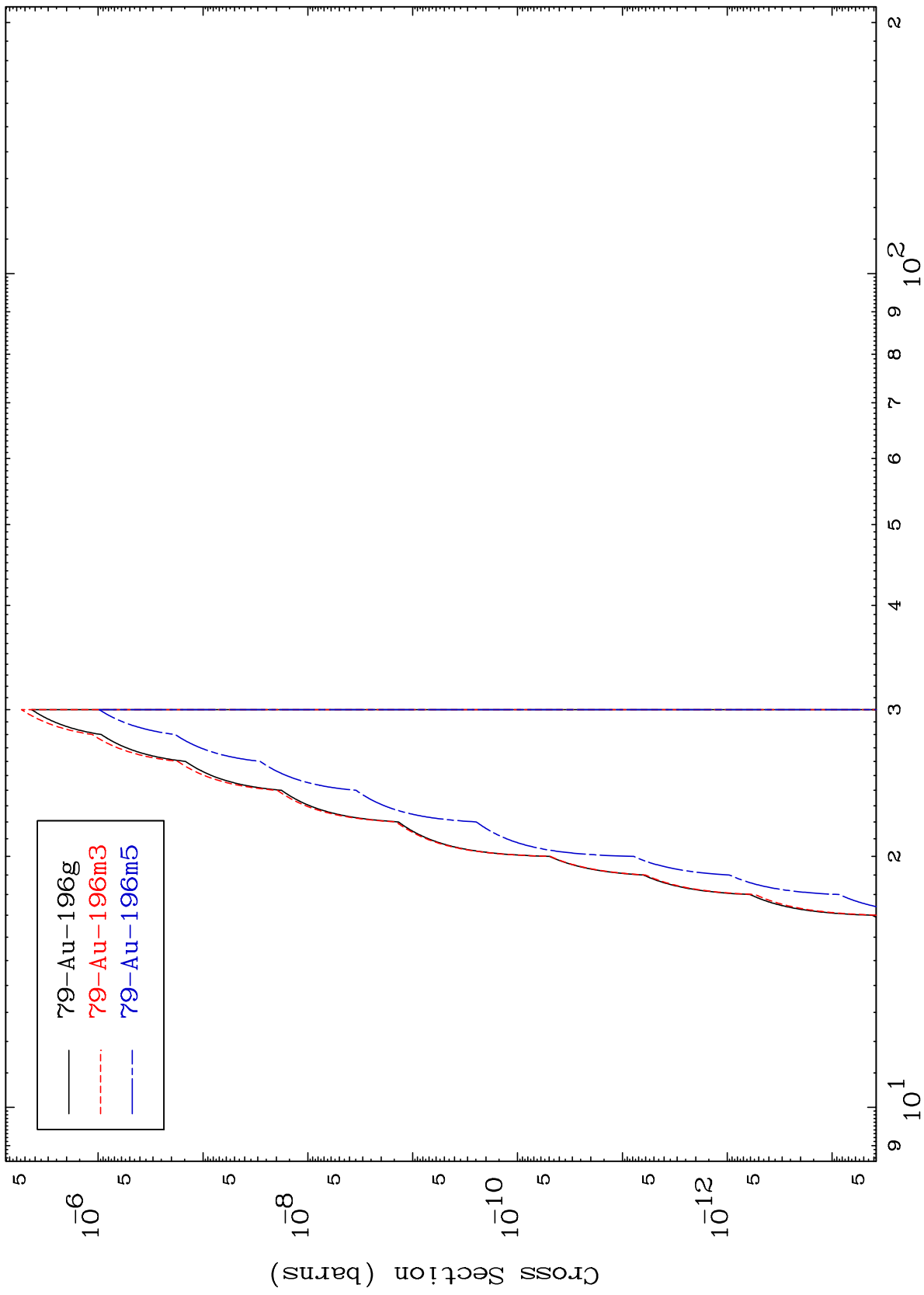
Incident Energy (MeV)

80-Hg-197

MAT 8028

80-Hg-197

(d,2n) p  
Radionuclide Production Cross Section



26

Incident Energy (MeV)

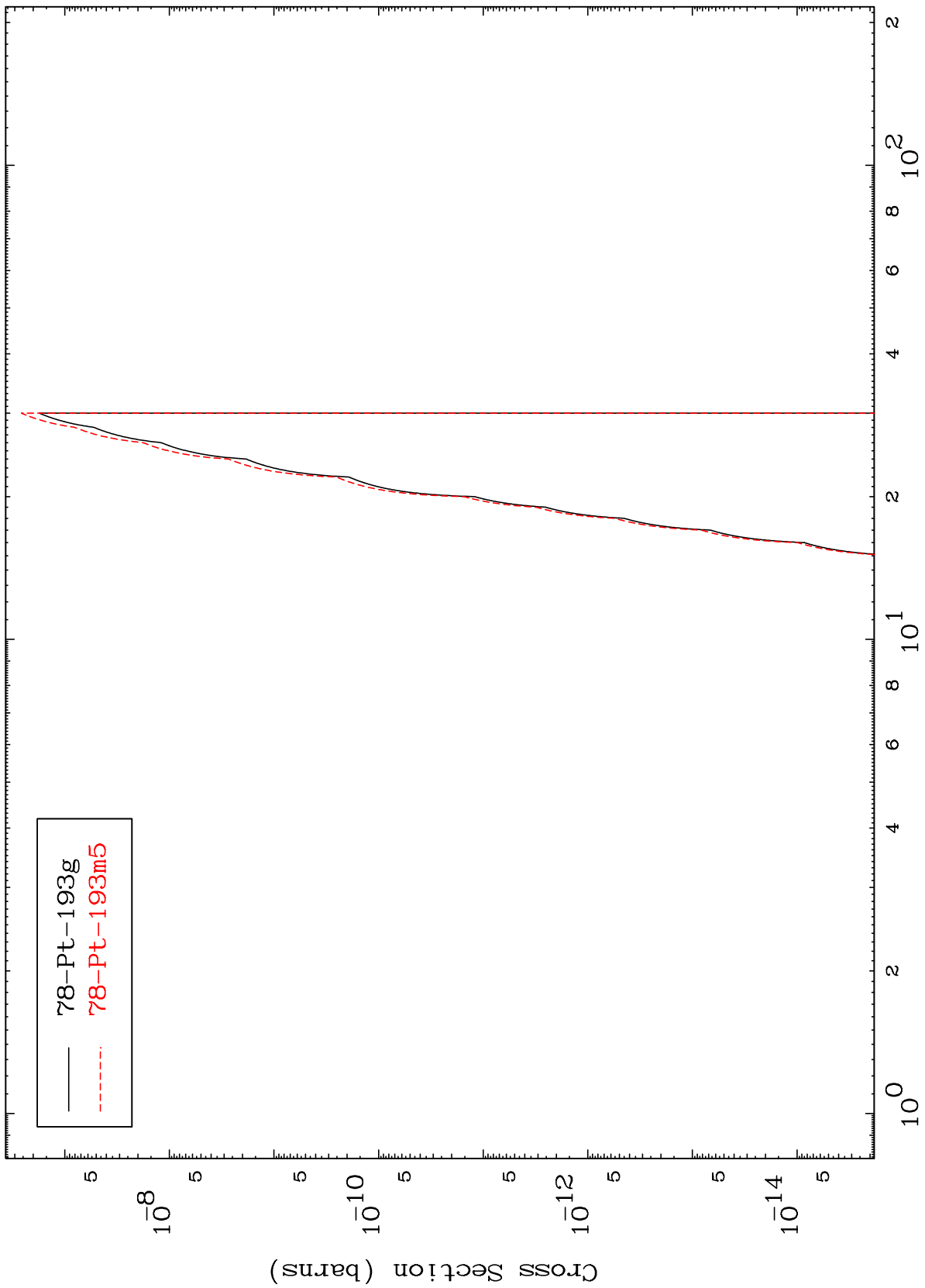
80-Hg-197

MAT 8028

(d,n') p  $\alpha$

80-Hg-197

Radionuclide Production Cross Section



78-Pt-193g  
78-Pt-193m5

27

Incident Energy (MeV)

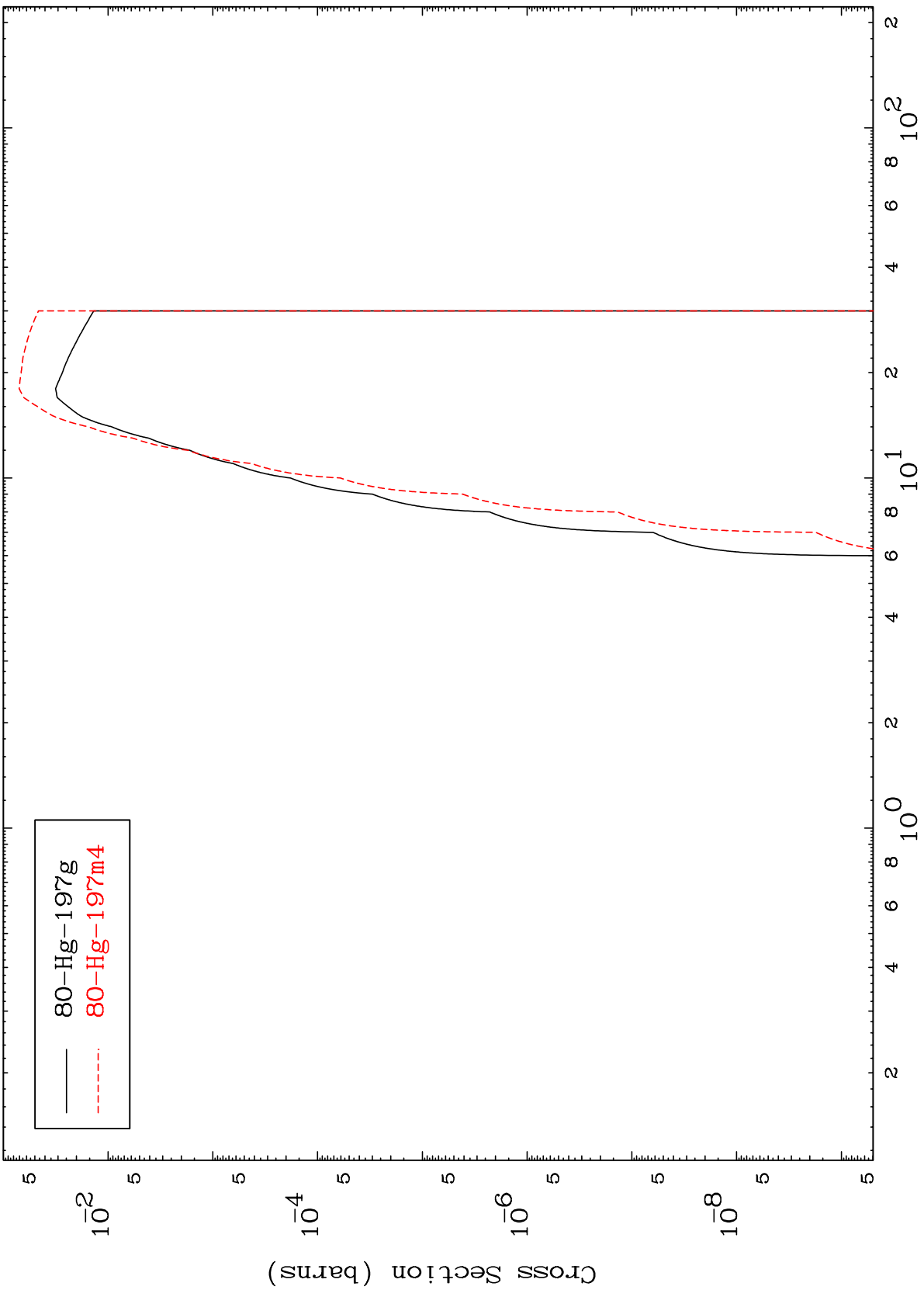
80-Hg-197

MAT 8028

(d,d)

80-Hg-197

Radionuclide Production Cross Section



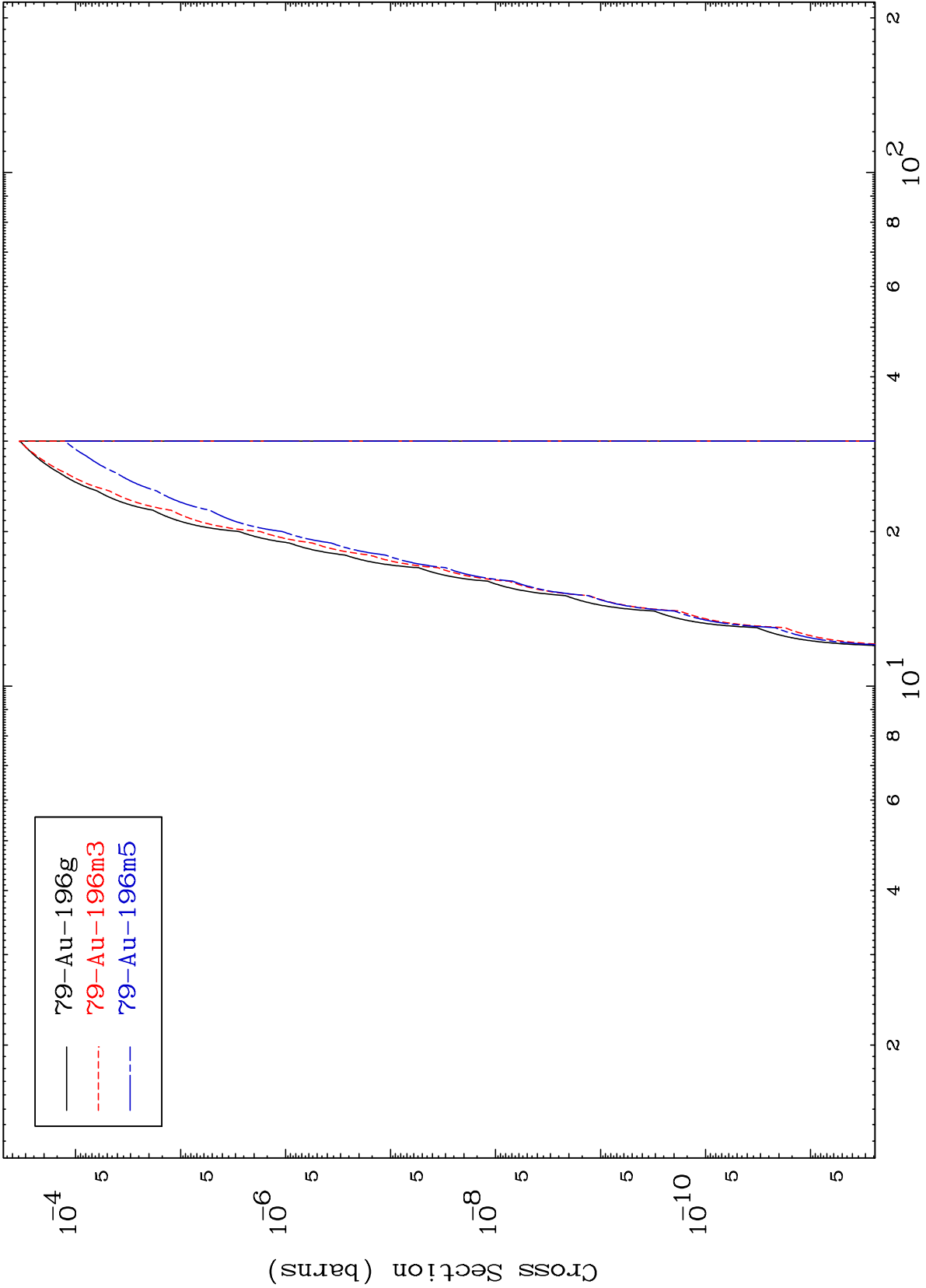
80-Hg-197g  
80-Hg-197m4

MAT 8028

(d,He-3)

80-Hg-197

Radionuclide Production Cross Section



29

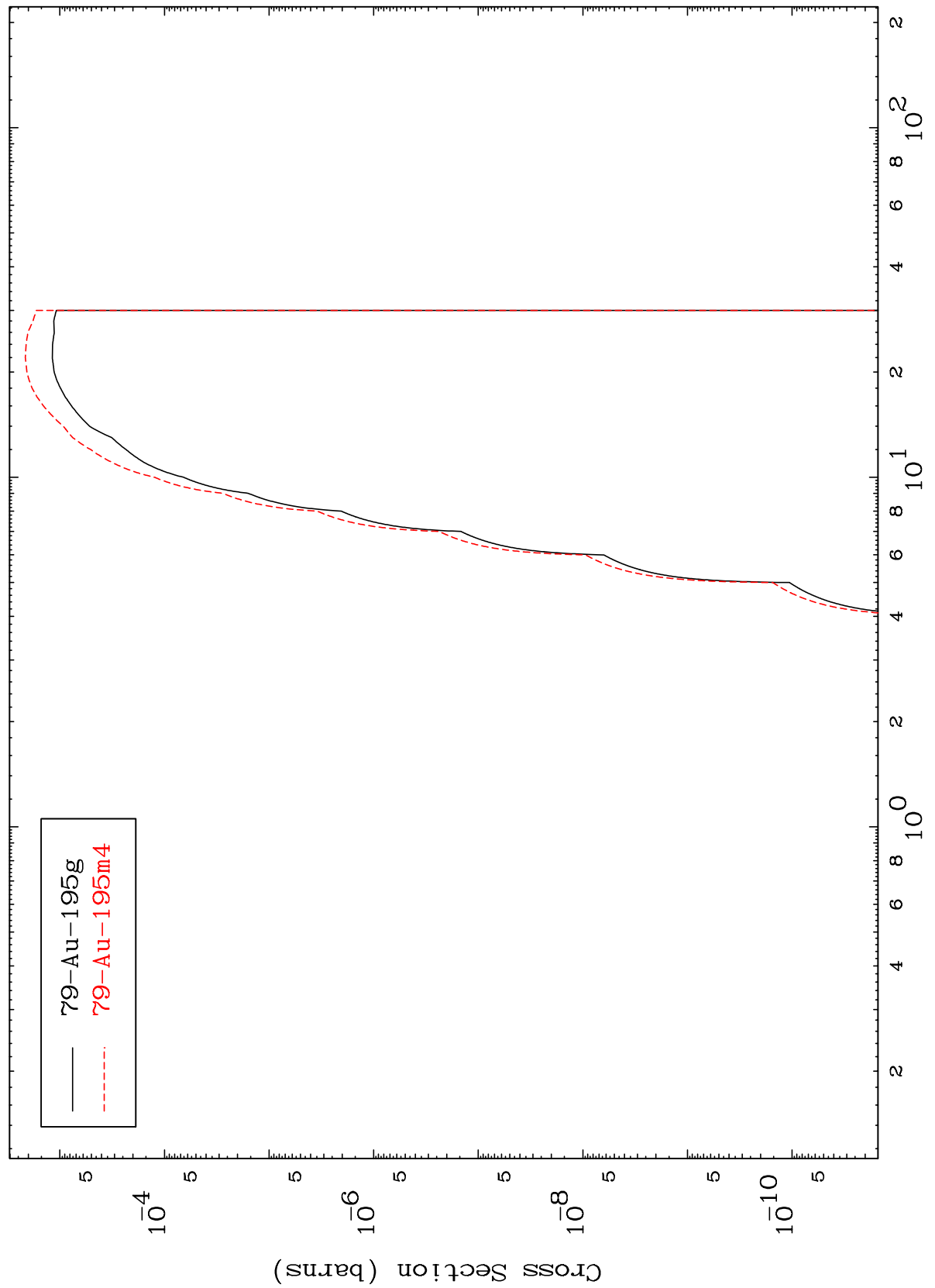
Incident Energy (MeV)

80-Hg-197

MAT 8028

80-Hg-197

Radionuclide Production Cross Section  
(d,  $\alpha$ )



30

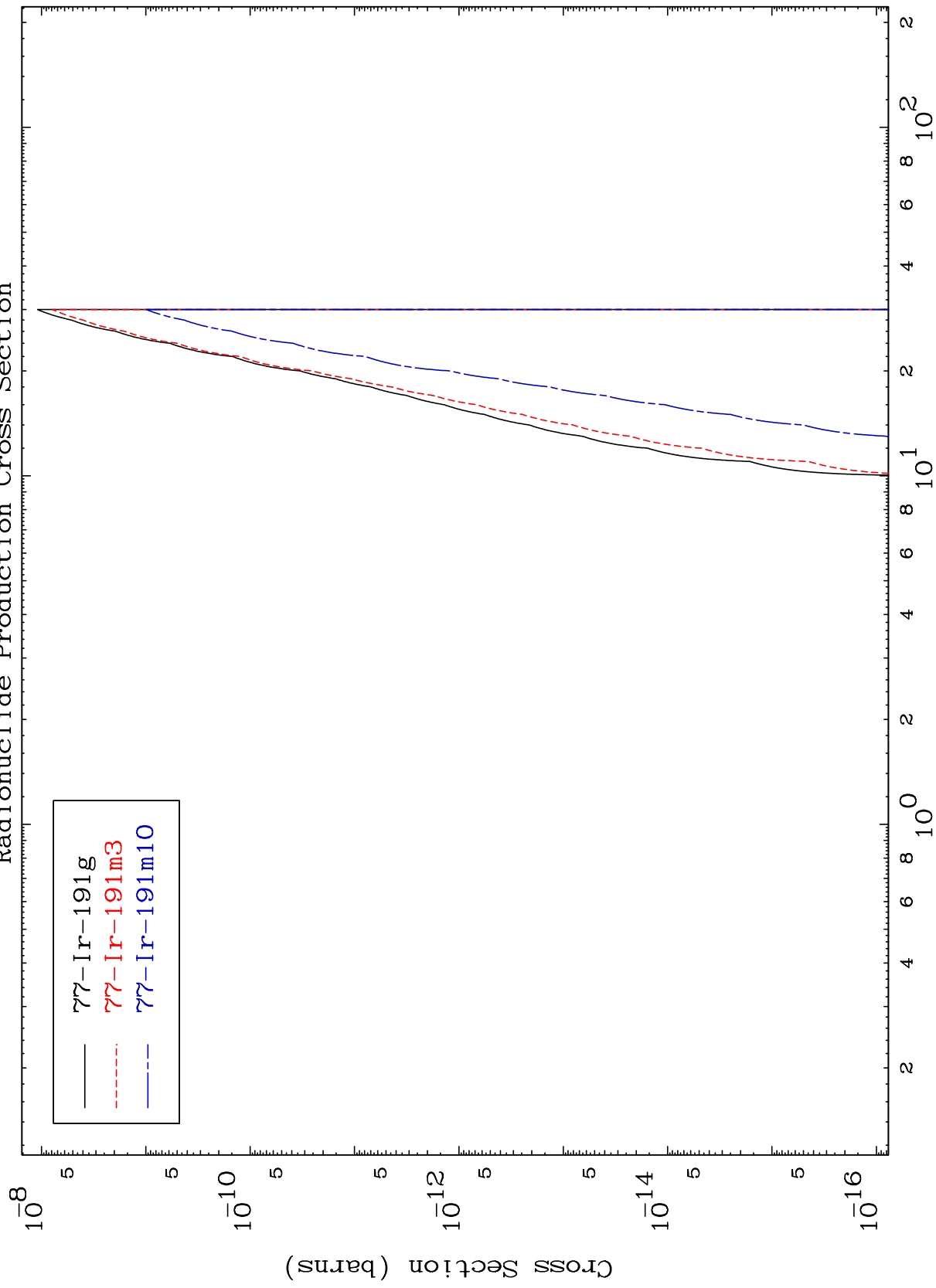
80-Hg-197

Incident Energy (MeV)

MAT 8028

80-Hg-197

Radionuclide Production Cross Section  
(d,2α)



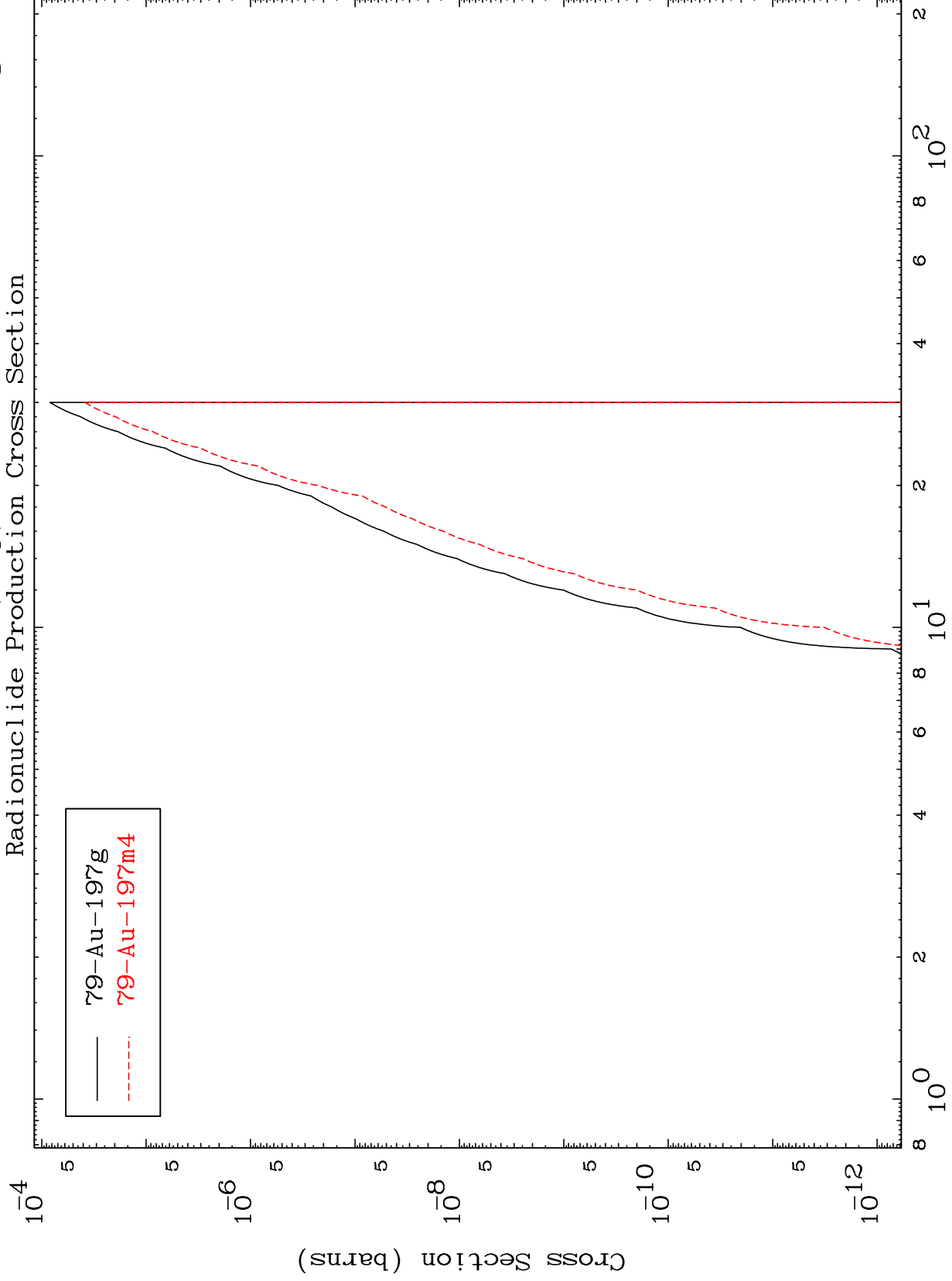


MAT 8028

(d,2p)

80-Hg-197

Radionuclide Production Cross Section



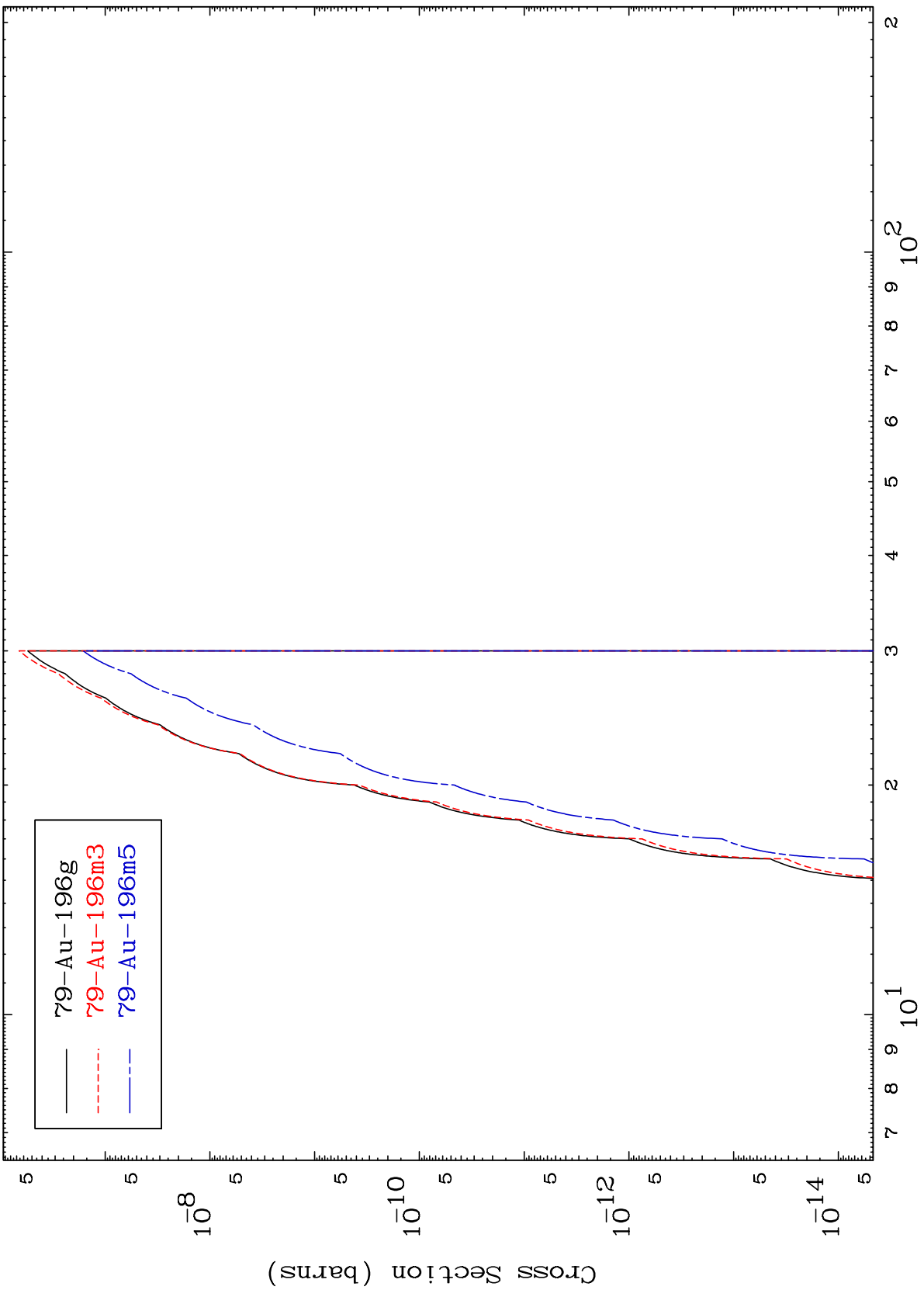
32

MAT 8028

(d,p) d

80-Hg-197

Radionuclide Production Cross Section



33

Incident Energy (MeV)

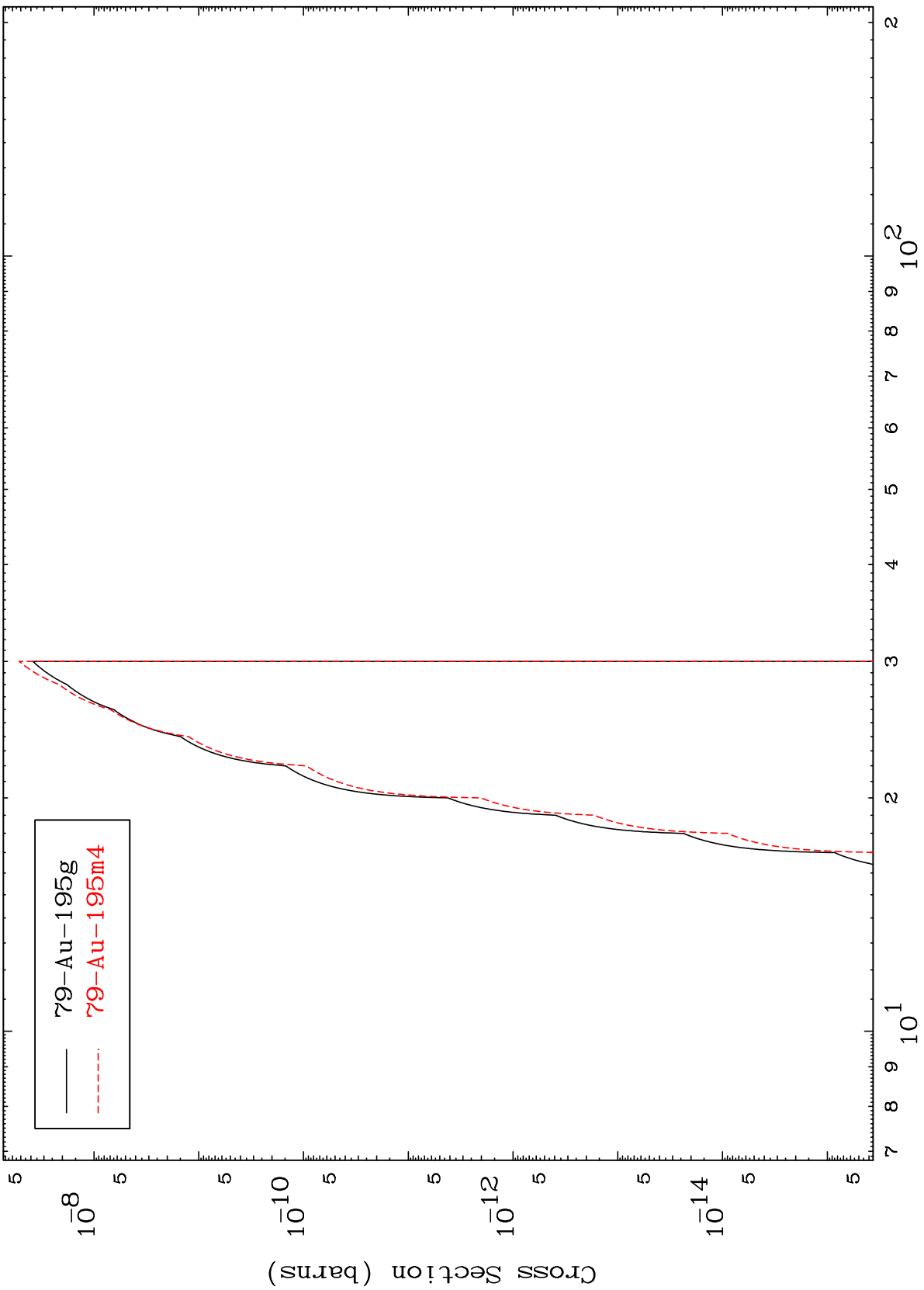
80-Hg-197

MAT 8028

(d,p) t

80-Hg-197

Radionuclide Production Cross Section



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

34

Incident Energy (MeV)

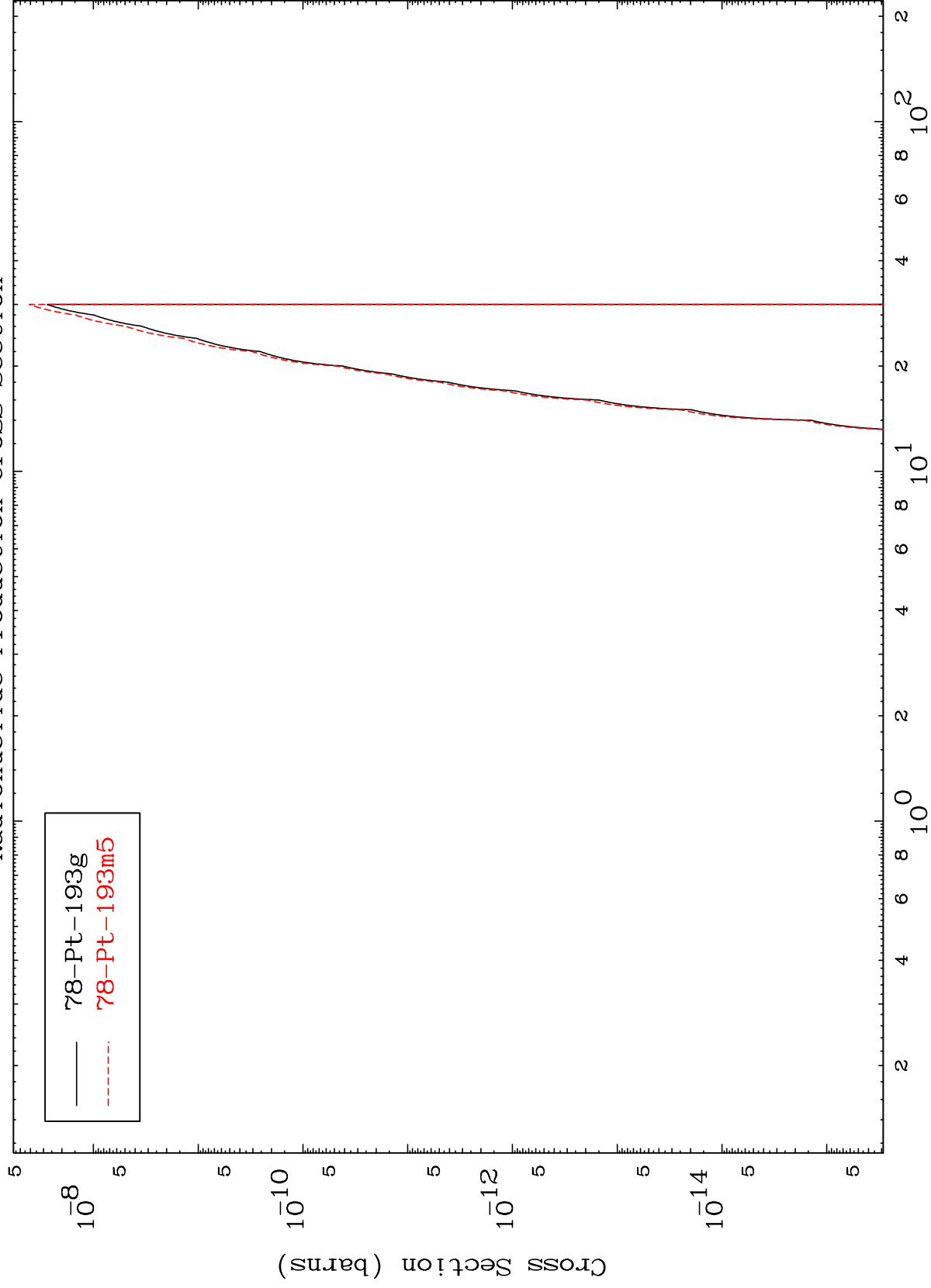
80-Hg-197

MAT 8028

(d,d)  $\alpha$

80-Hg-197

Radionuclide Production Cross Section



78-Pt-193g  
78-Pt-193m5