

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)

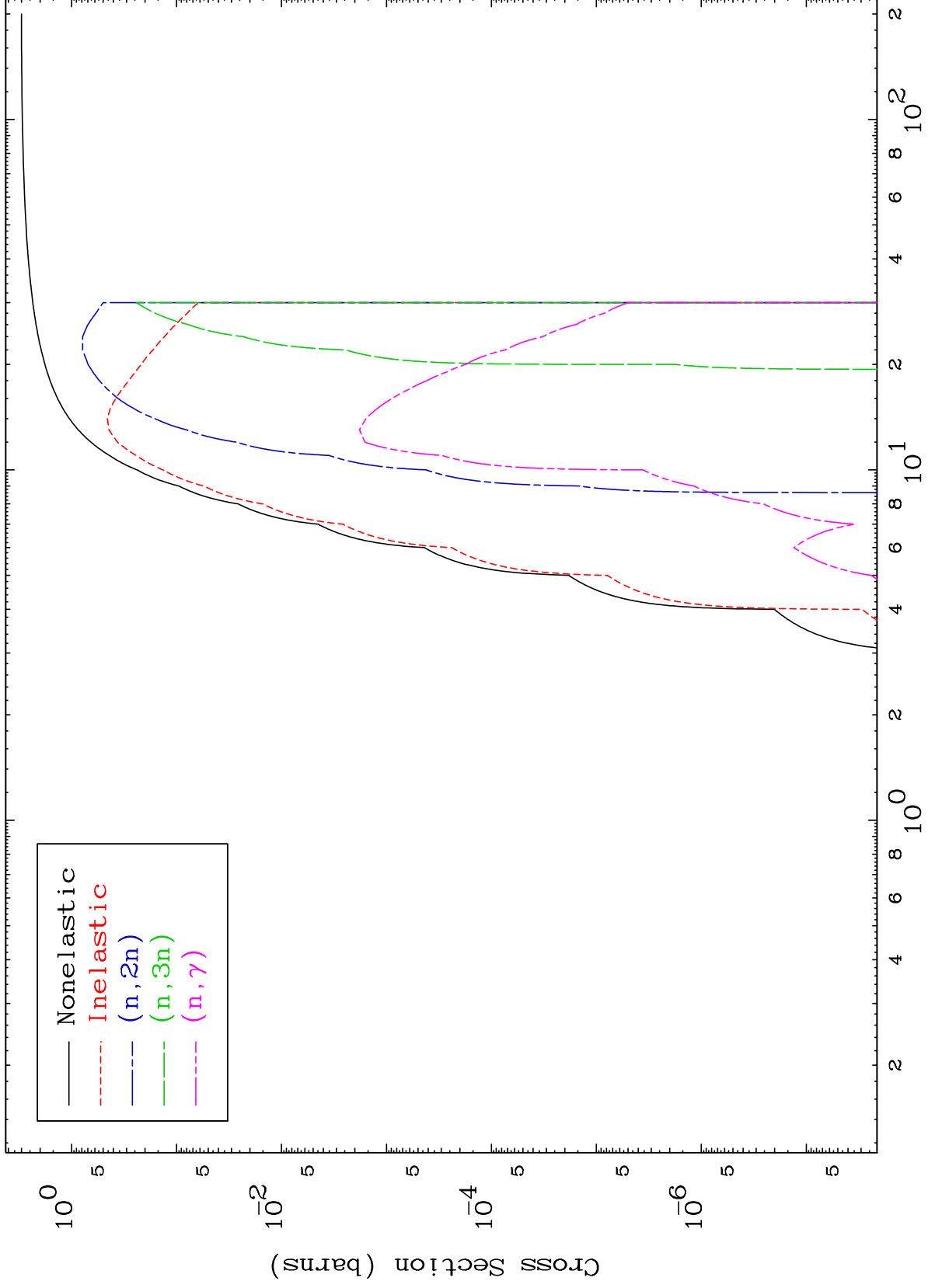
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7999

Deuteron Major  
0 Kelvin Cross Sections

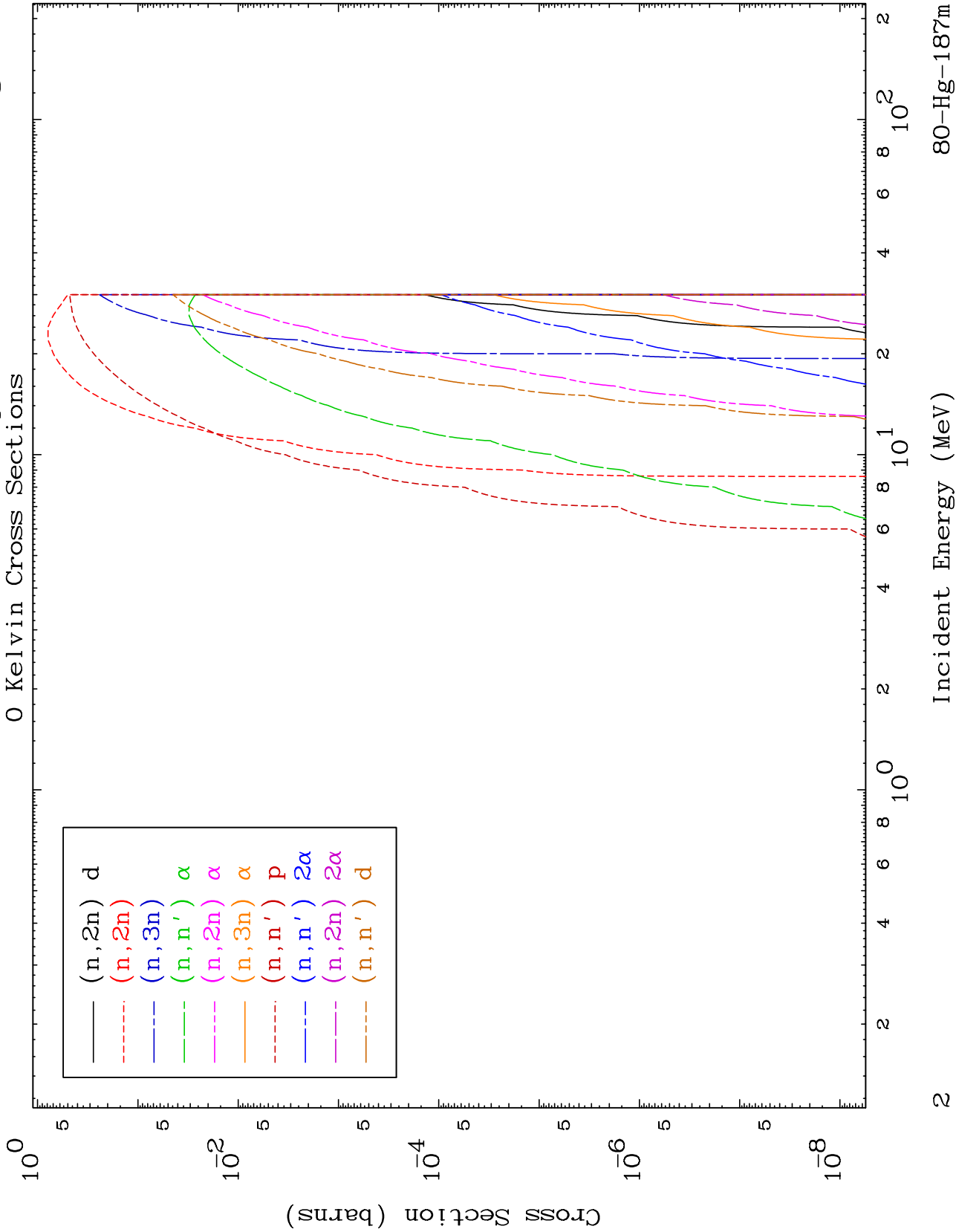
80-Hg-187m

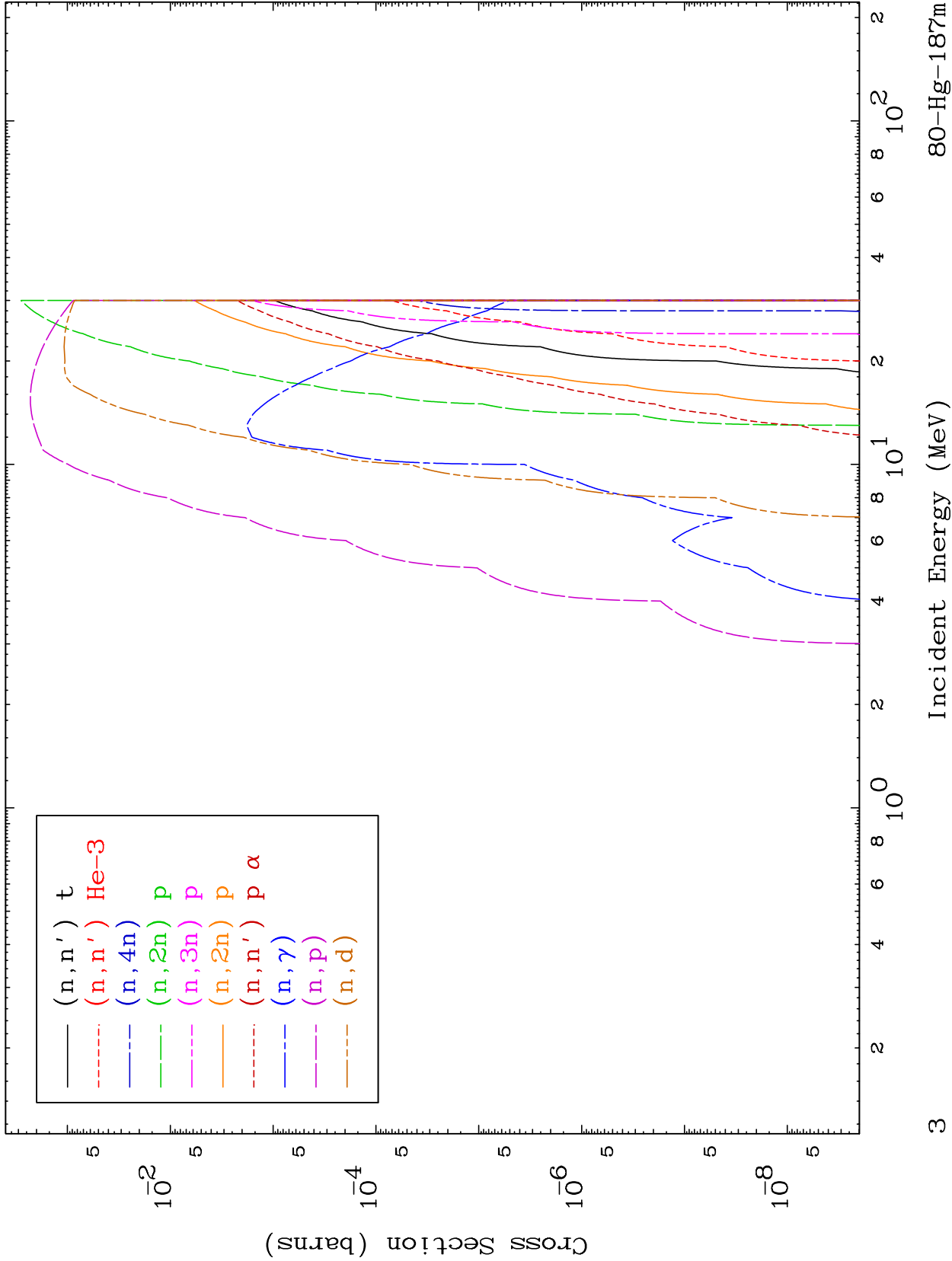


MAT 7999

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

80-Hg-187m

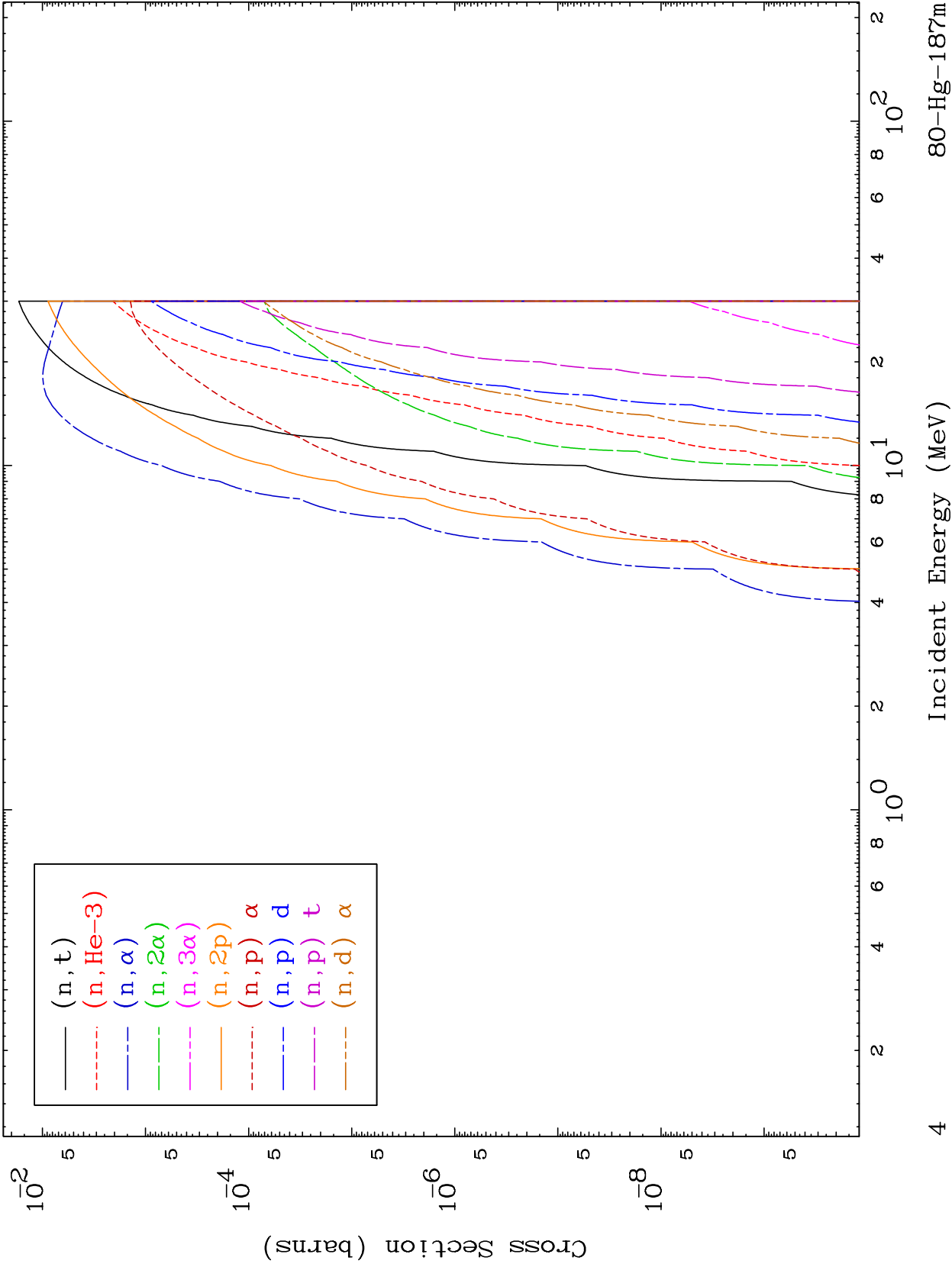




MAT 7999

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

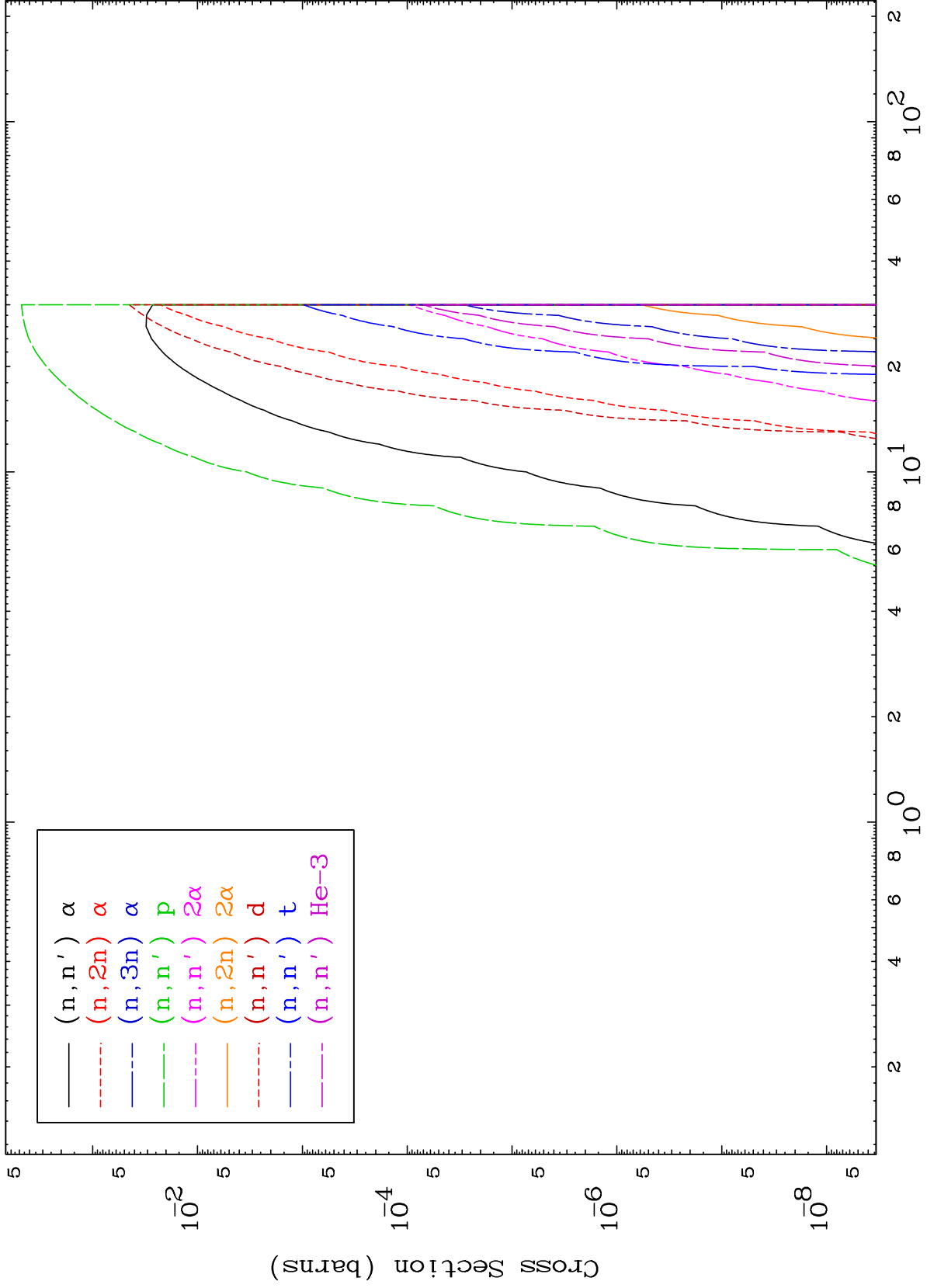
80-Hg-187m



MAT 7999

Deuteron Charged Particle  
0 Kelvin Cross Sections

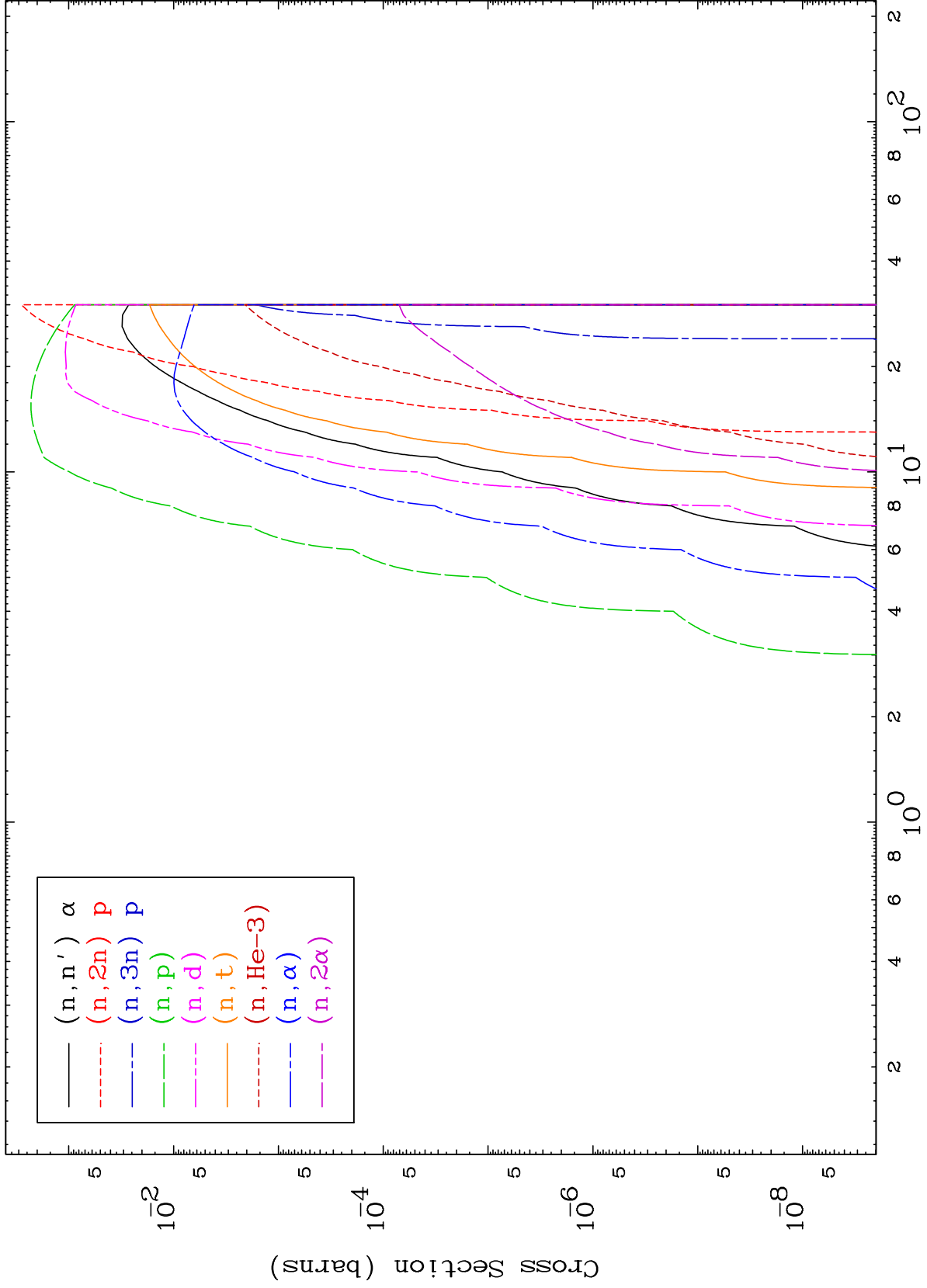
80-Hg-187m

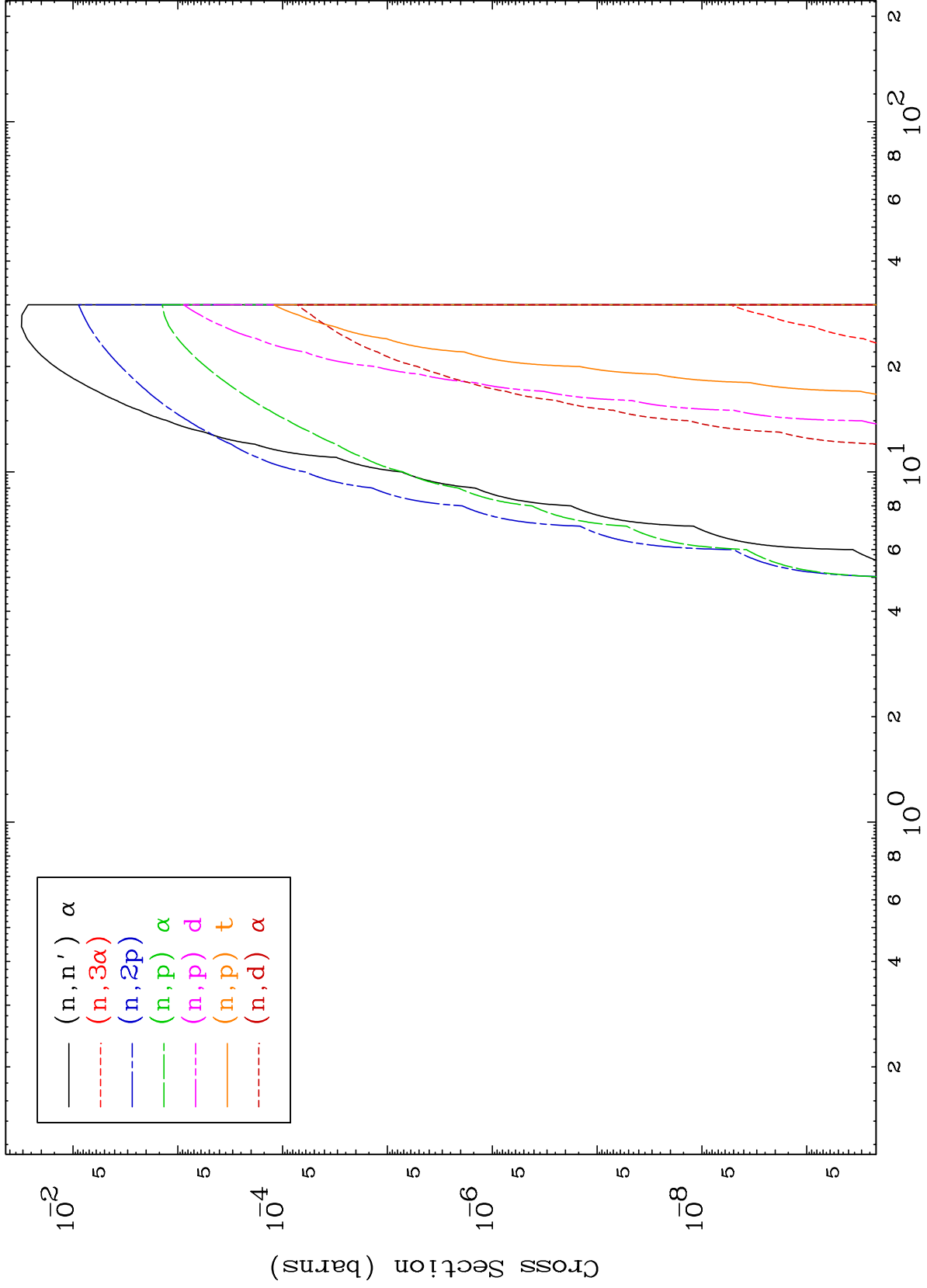


MAT 7999

Deuteron Charged Particle  
0 Kelvin Cross Sections

80-Hg-187m





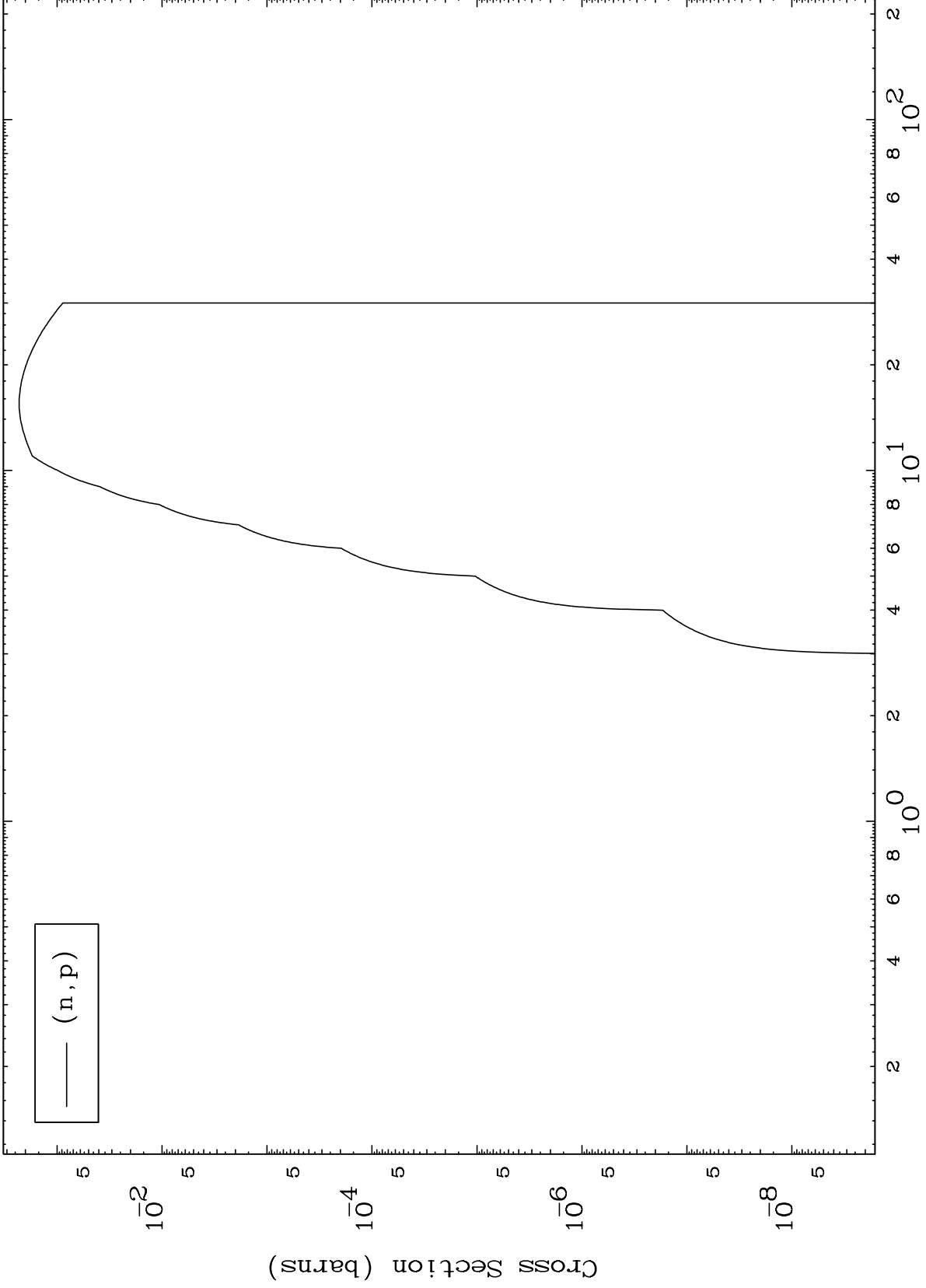


MAT 7999

(d,p) Levels

80-Hg-187m

0 Kelvin Cross Sections

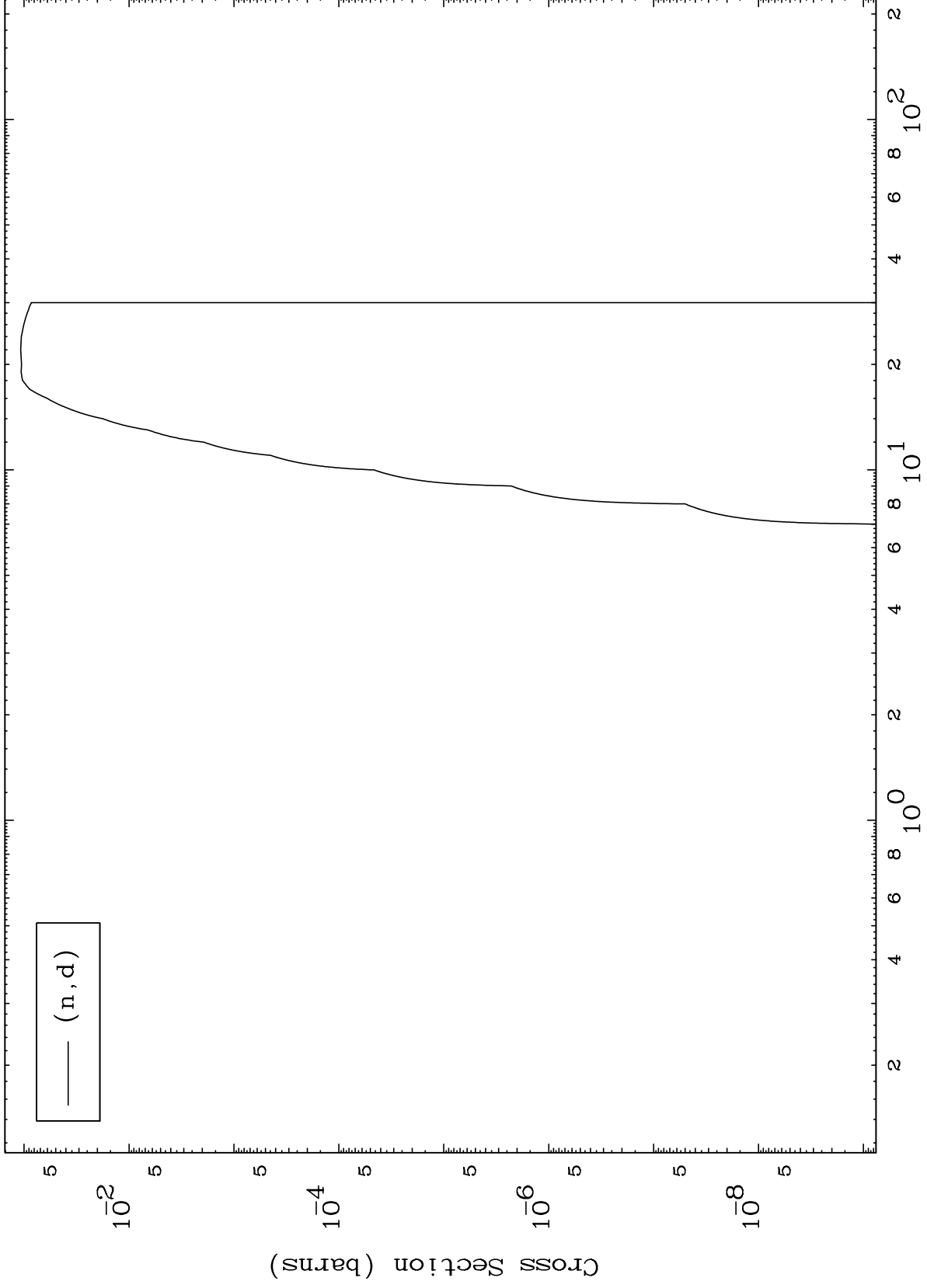


MAT 7999

(d,d) Levels

80-Hg-187m

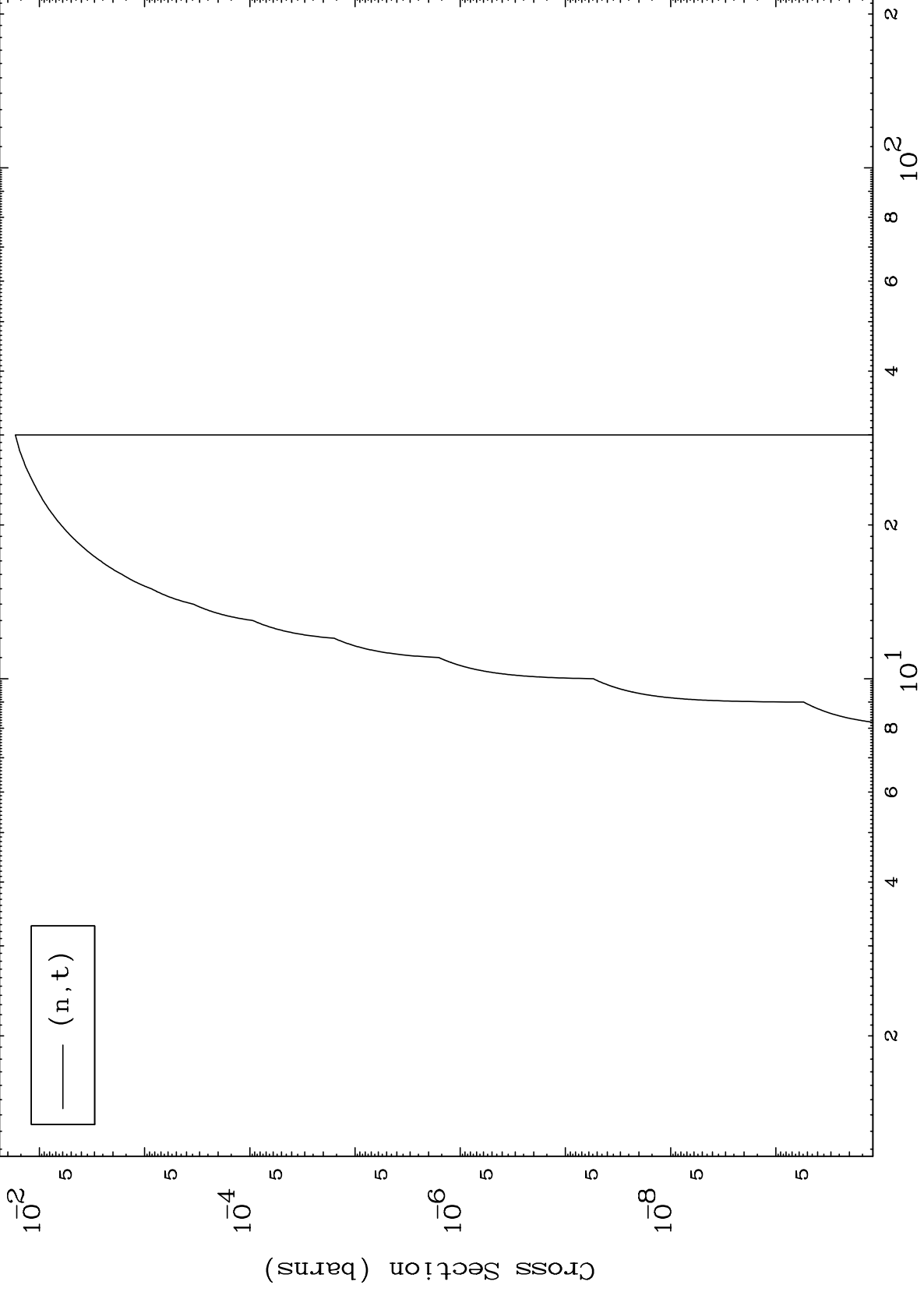
0 Kelvin Cross Sections



MAT 7999

(d,t) Levels  
0 Kelvin Cross Sections

80-Hg-187m



10

Incident Energy (MeV)

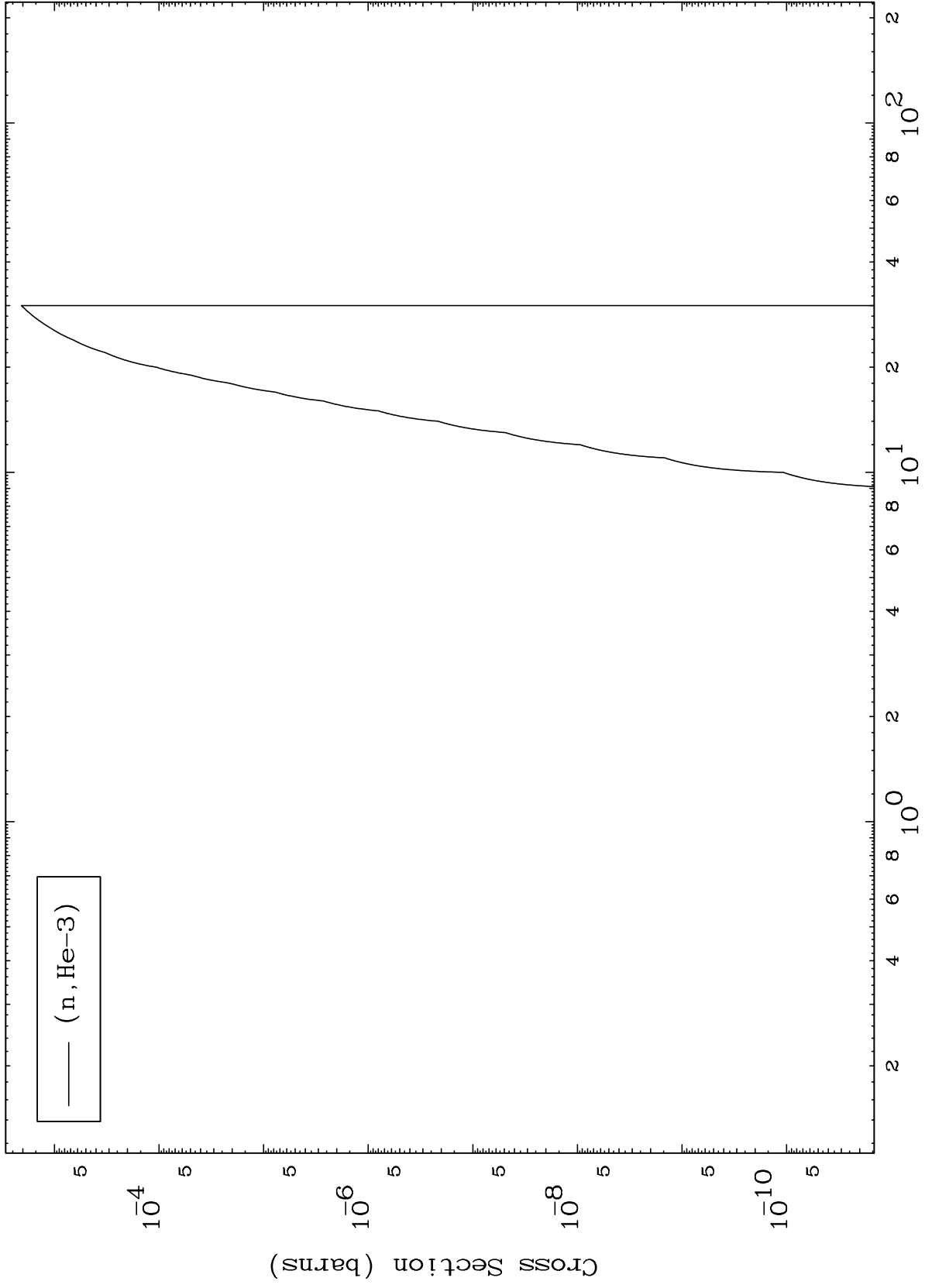
80-Hg-187m

MAT 7999

(d,He3) Levels

80-Hg-187m

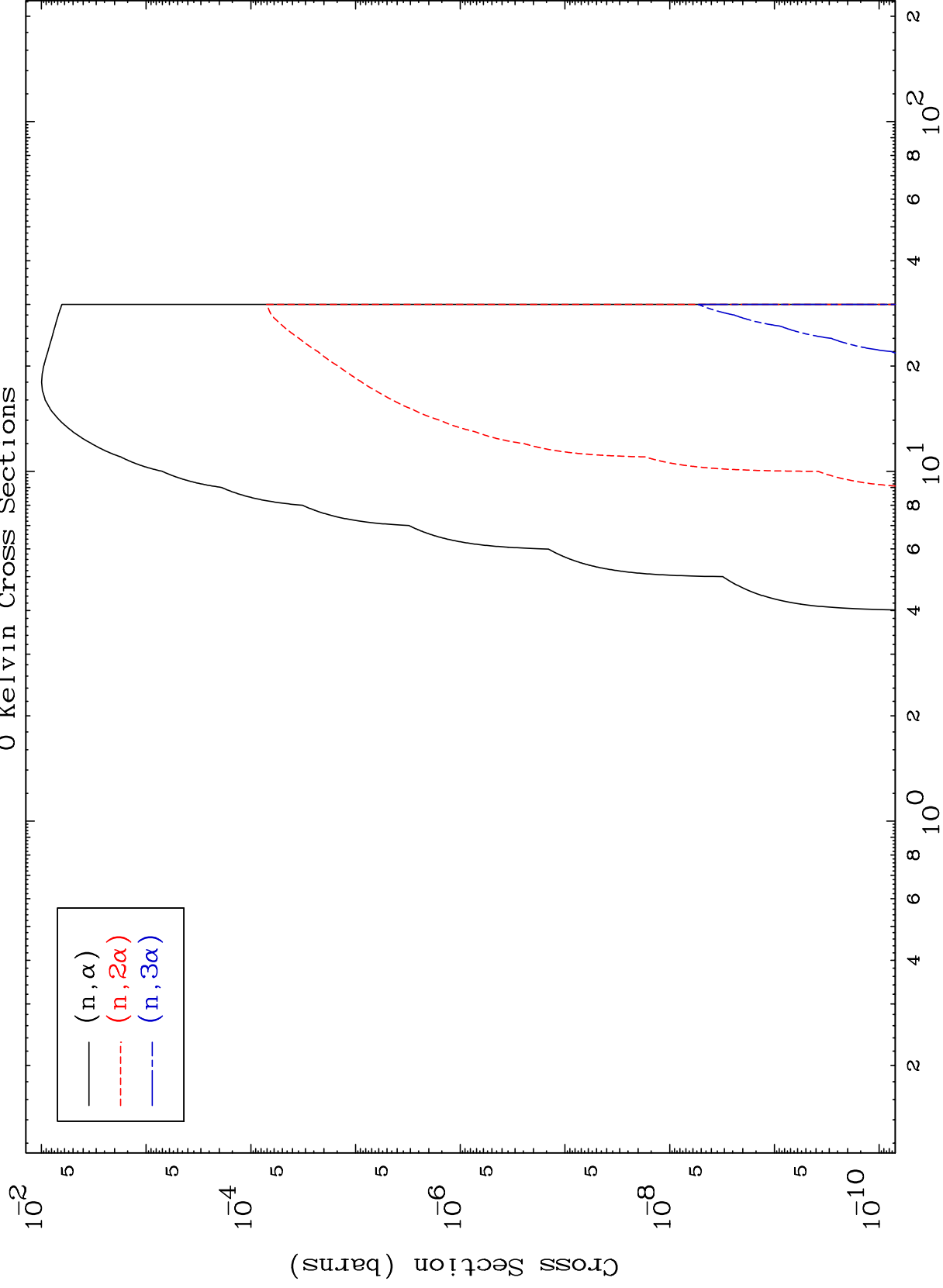
0 Kelvin Cross Sections



MAT 7999

(d,  $\alpha$ ) Levels  
0 Kelvin Cross Sections

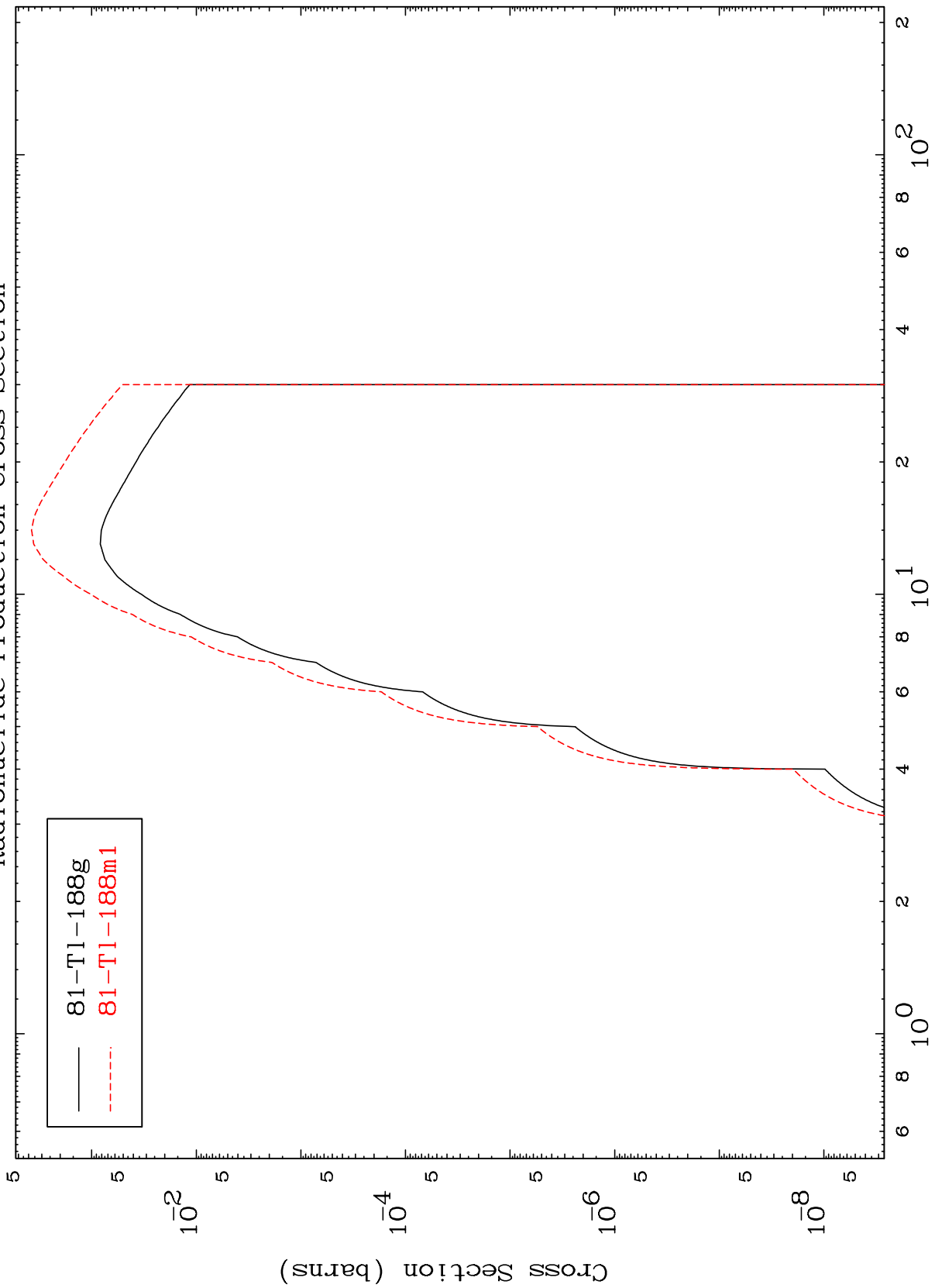
80-Hg-187m



MAT 7999

80-Hg-187m

Inelastic  
Radionuclide Production Cross Section



81-Tl-188g  
81-Tl-188m1

80-Hg-187m

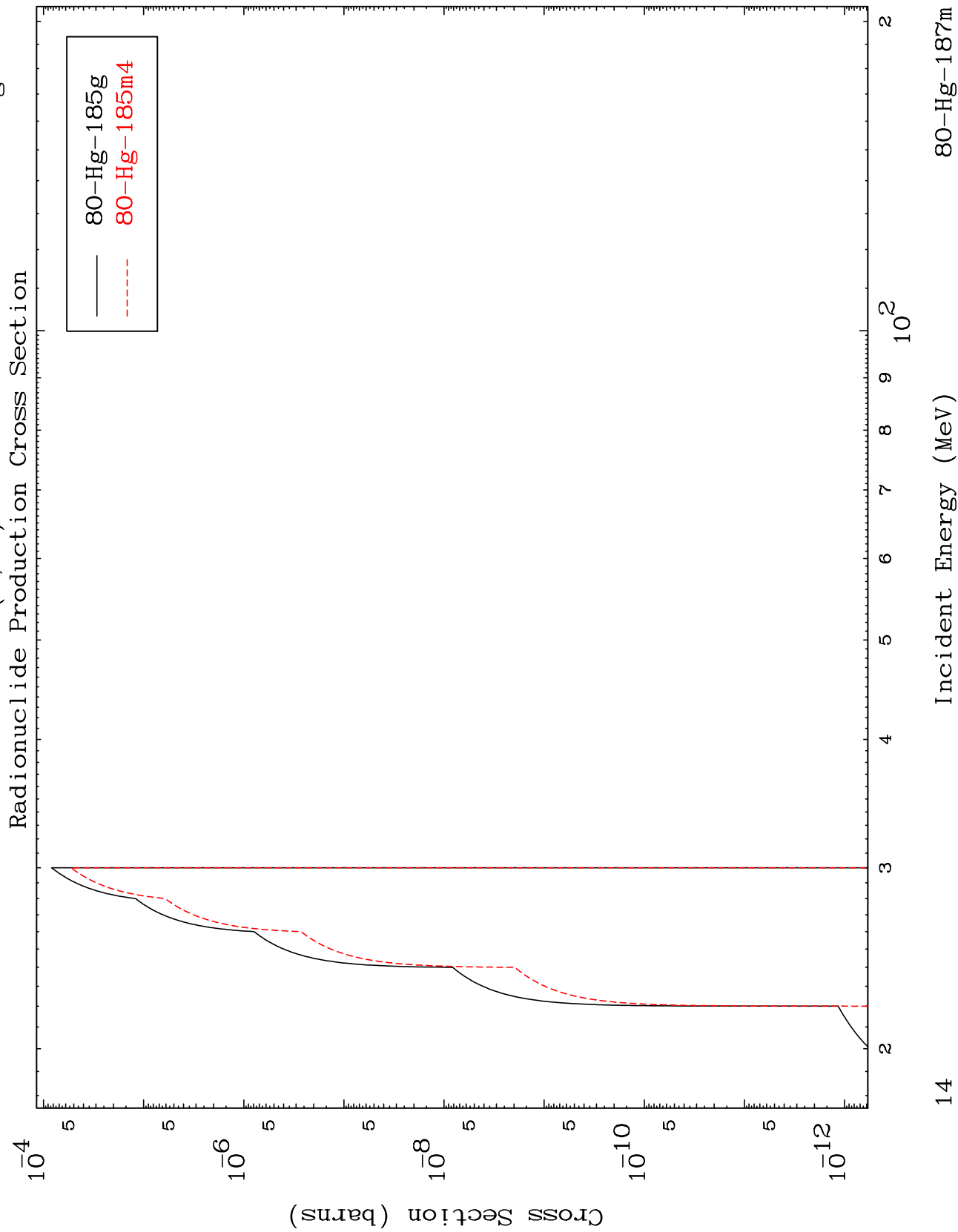
Incident Energy (MeV)

13

MAT 7999

(n,2n) d

80-Hg-187m

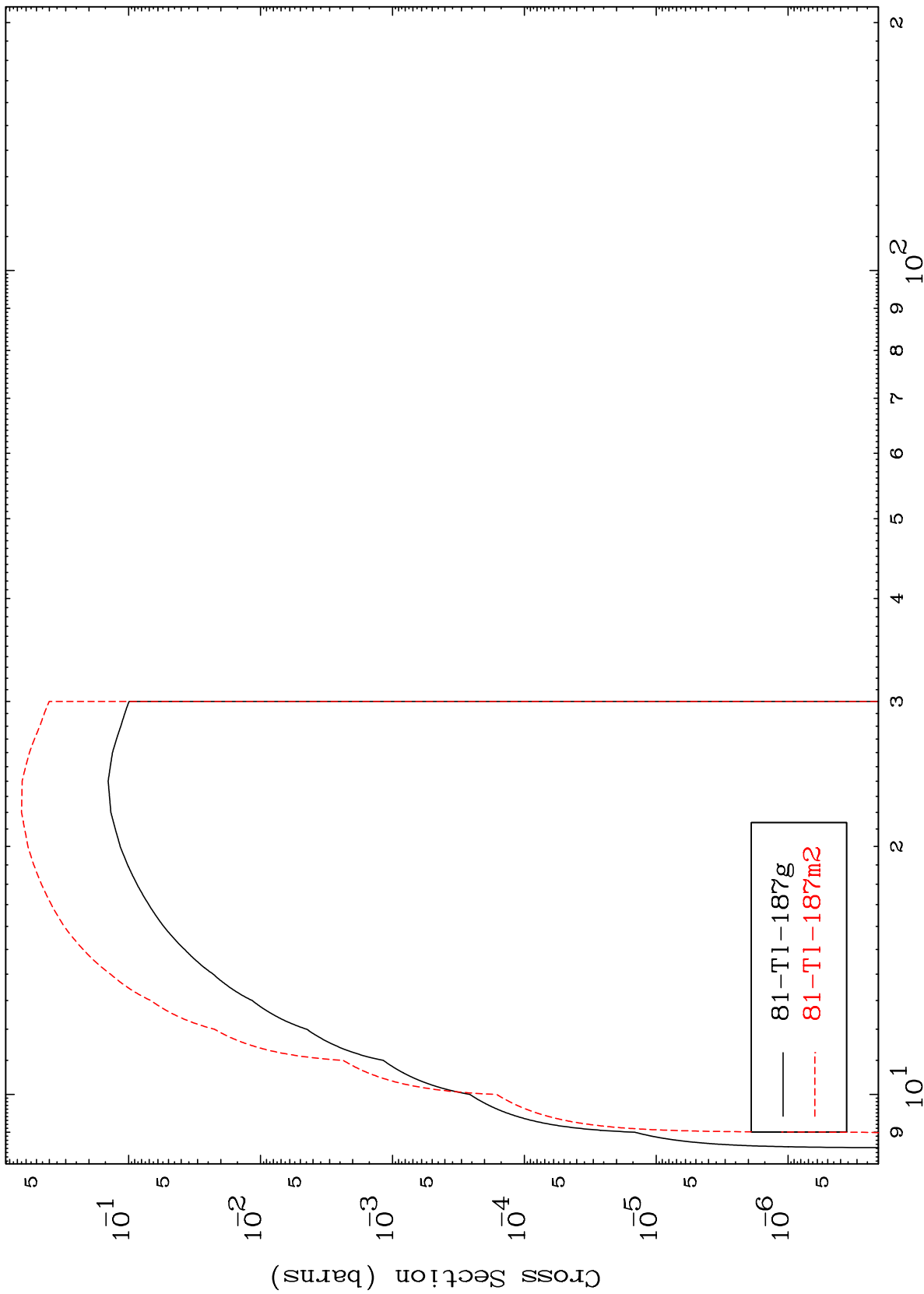


14

MAT 7999

80-Hg-187m

Radionuclide Production Cross Section  
(n,2n)



81-Tl-187g  
81-Tl-187m2

15

Incident Energy (MeV)

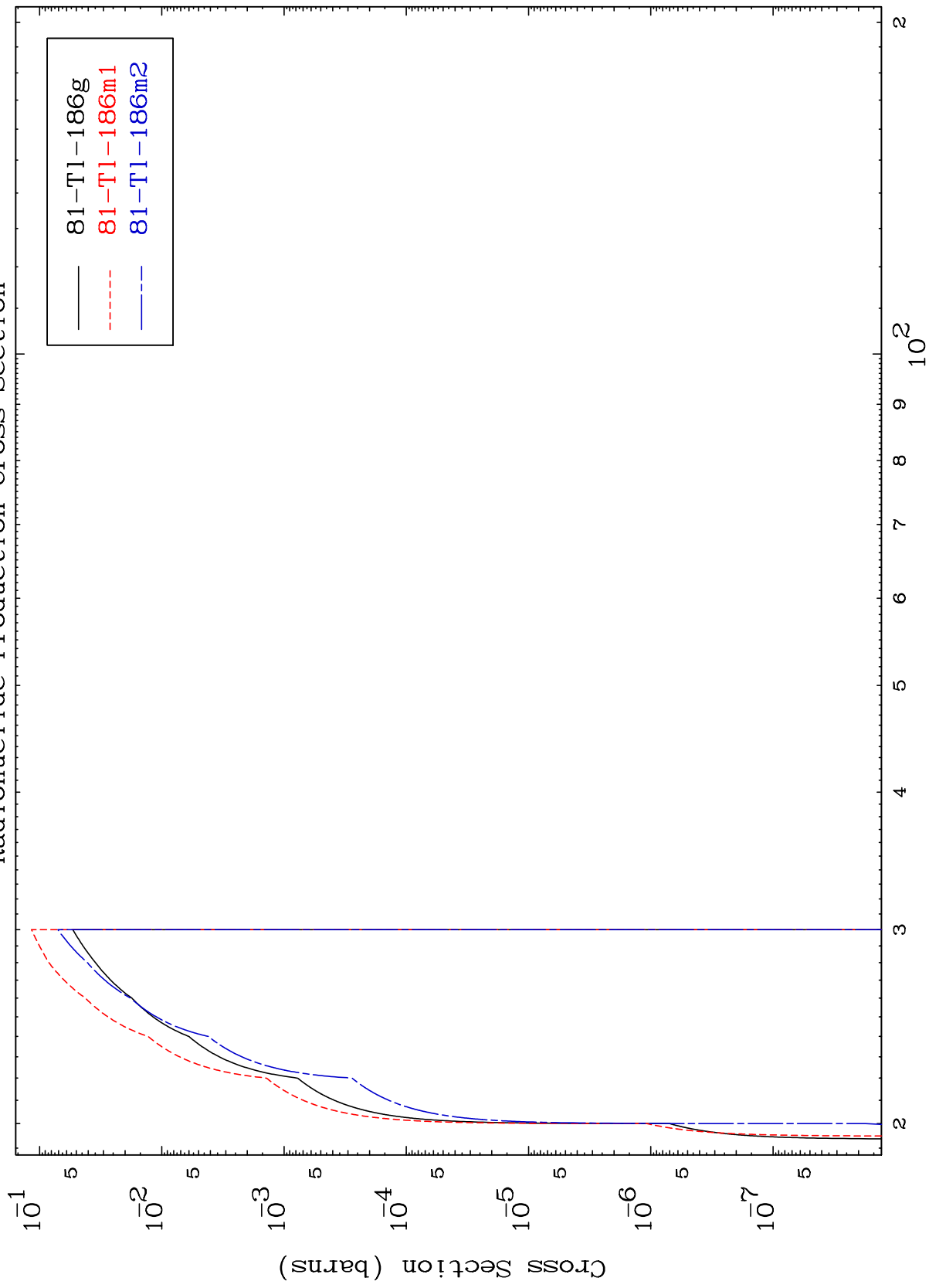
80-Hg-187m



MAT 7999

80-Hg-187m

(n,3n)  
Radionuclide Production Cross Section



80-Hg-187m

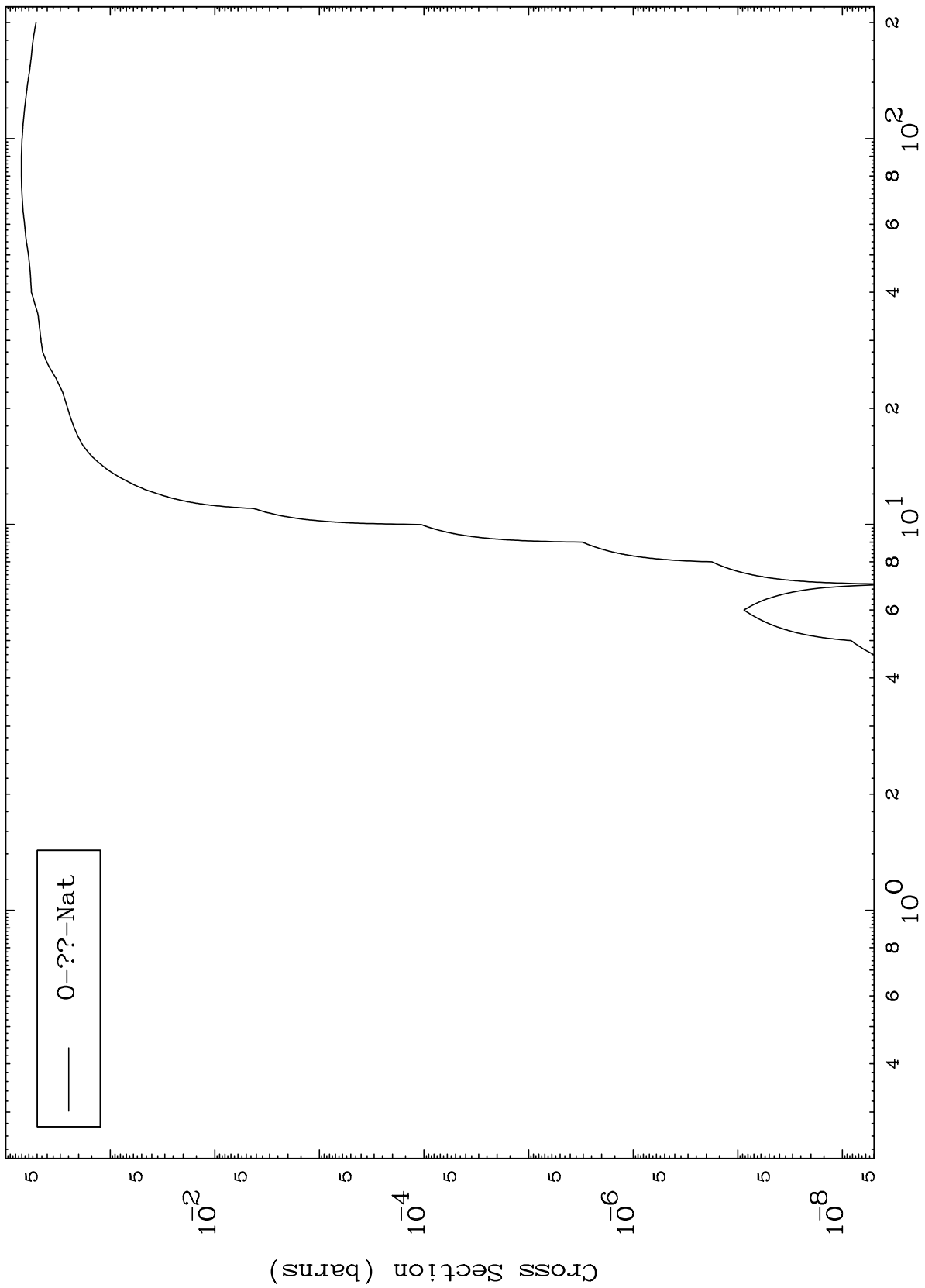
Incident Energy (MeV)

16

MAT 7999

Fission  
Radionuclide Production Cross Section

80-Hg-187m

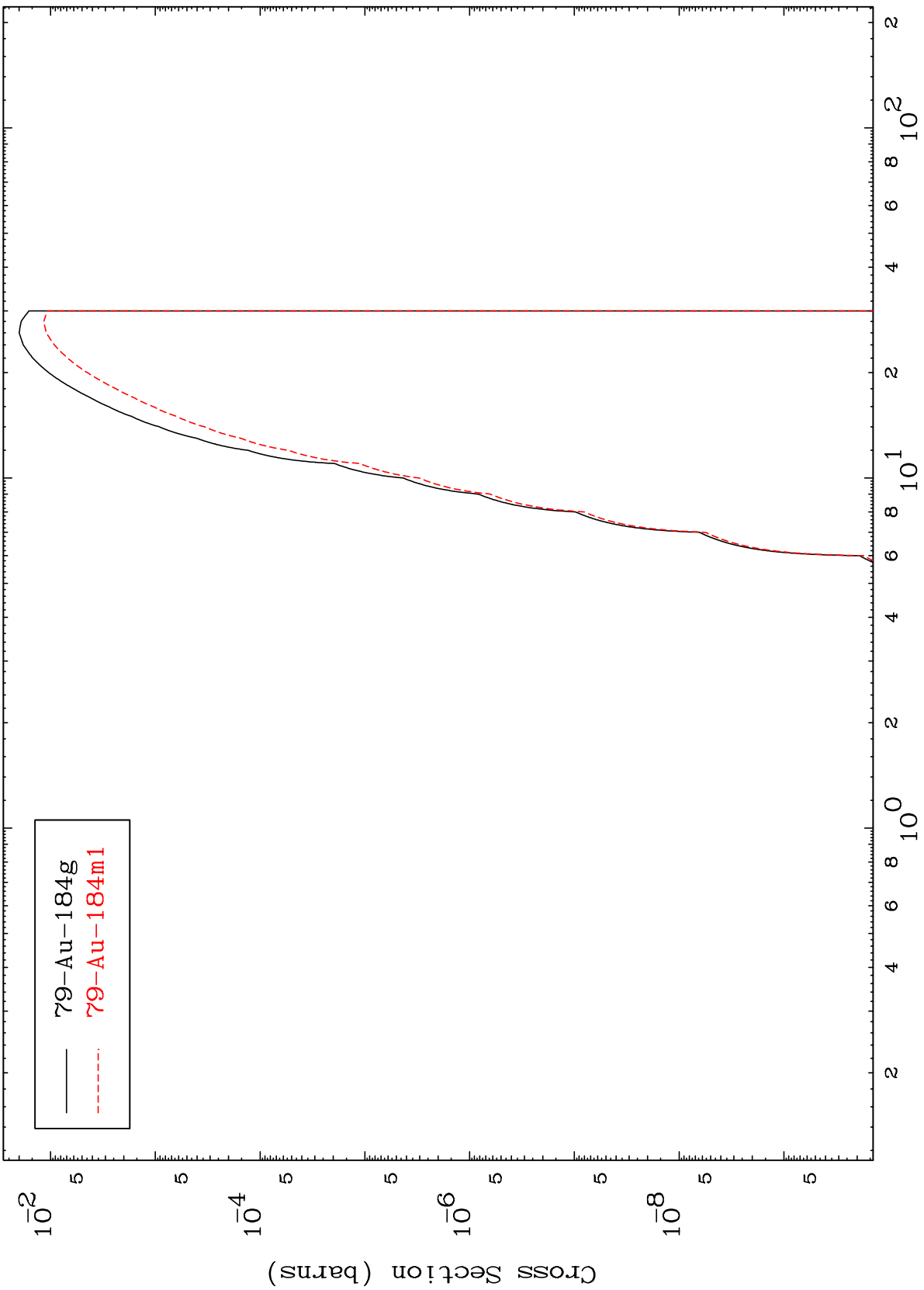


MAT 7999

$(n, n') \alpha$

80-Hg-187m

Radionuclide Production Cross Section

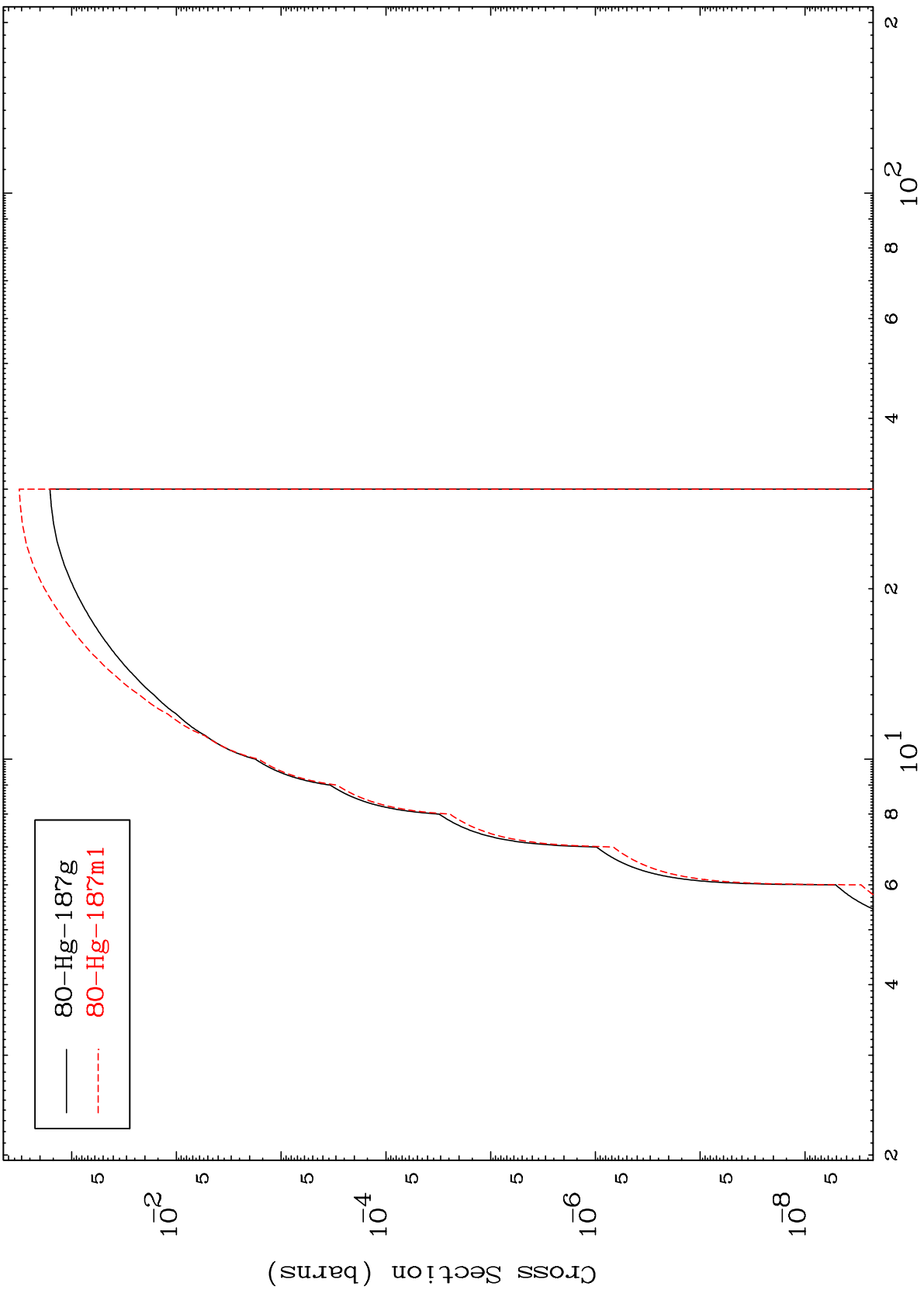


MAT 7999

(n,n') p

80-Hg-187m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

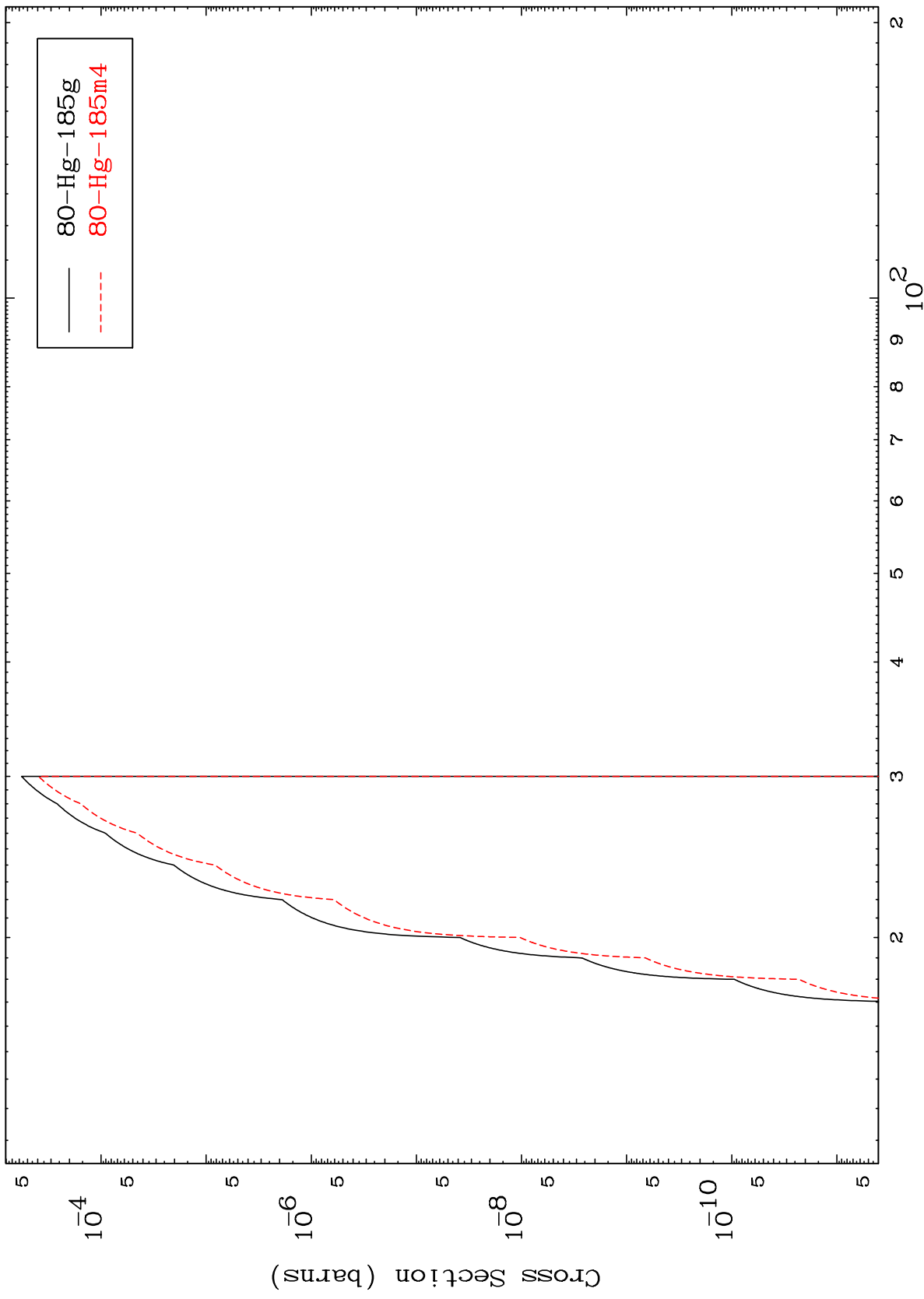
80-Hg-187m

MAT 7999

(n,n') t

80-Hg-187m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

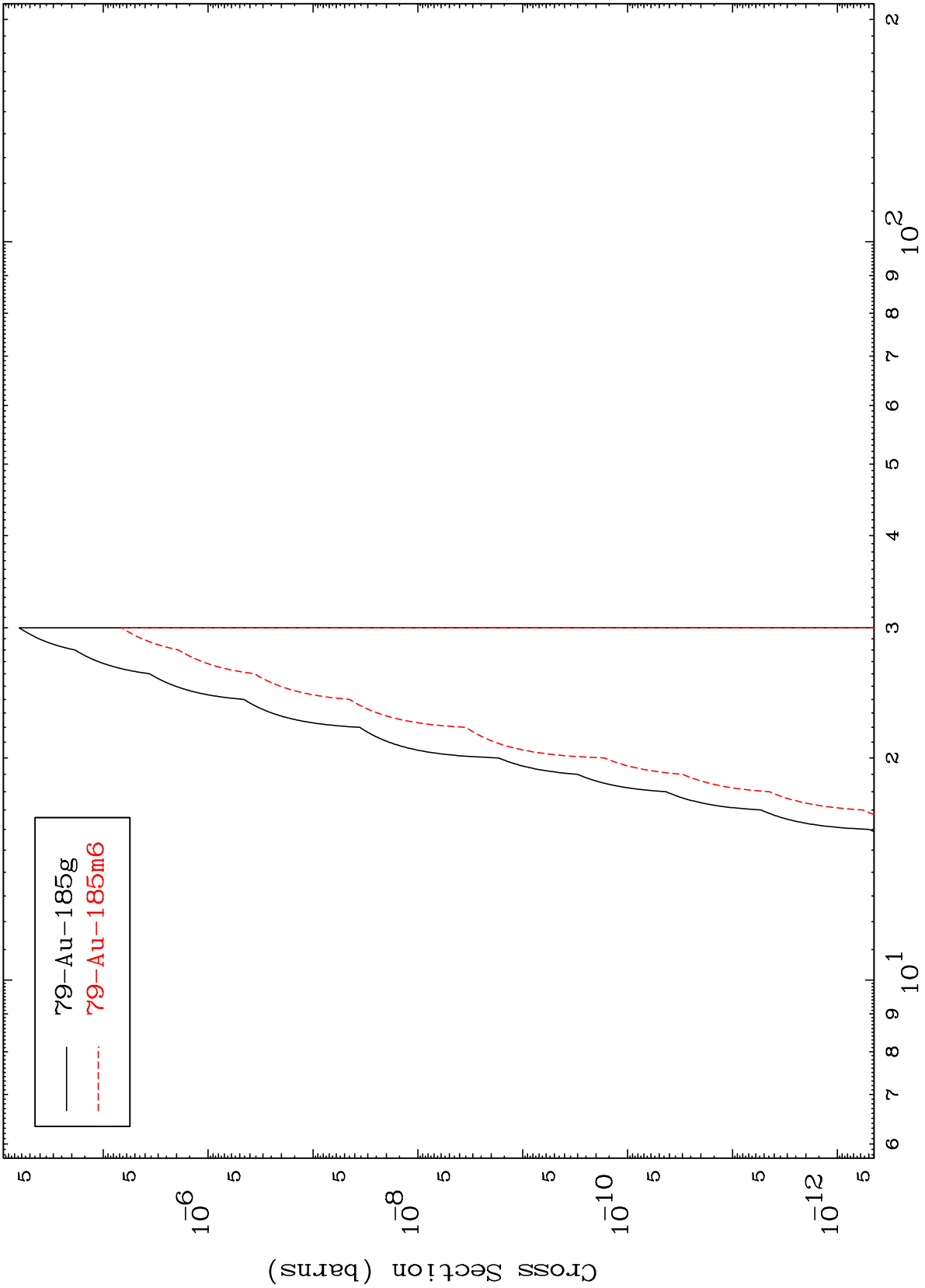
80-Hg-187m

MAT 7999

(n,n') He-3

80-Hg-187m

Radionuclide Production Cross Section

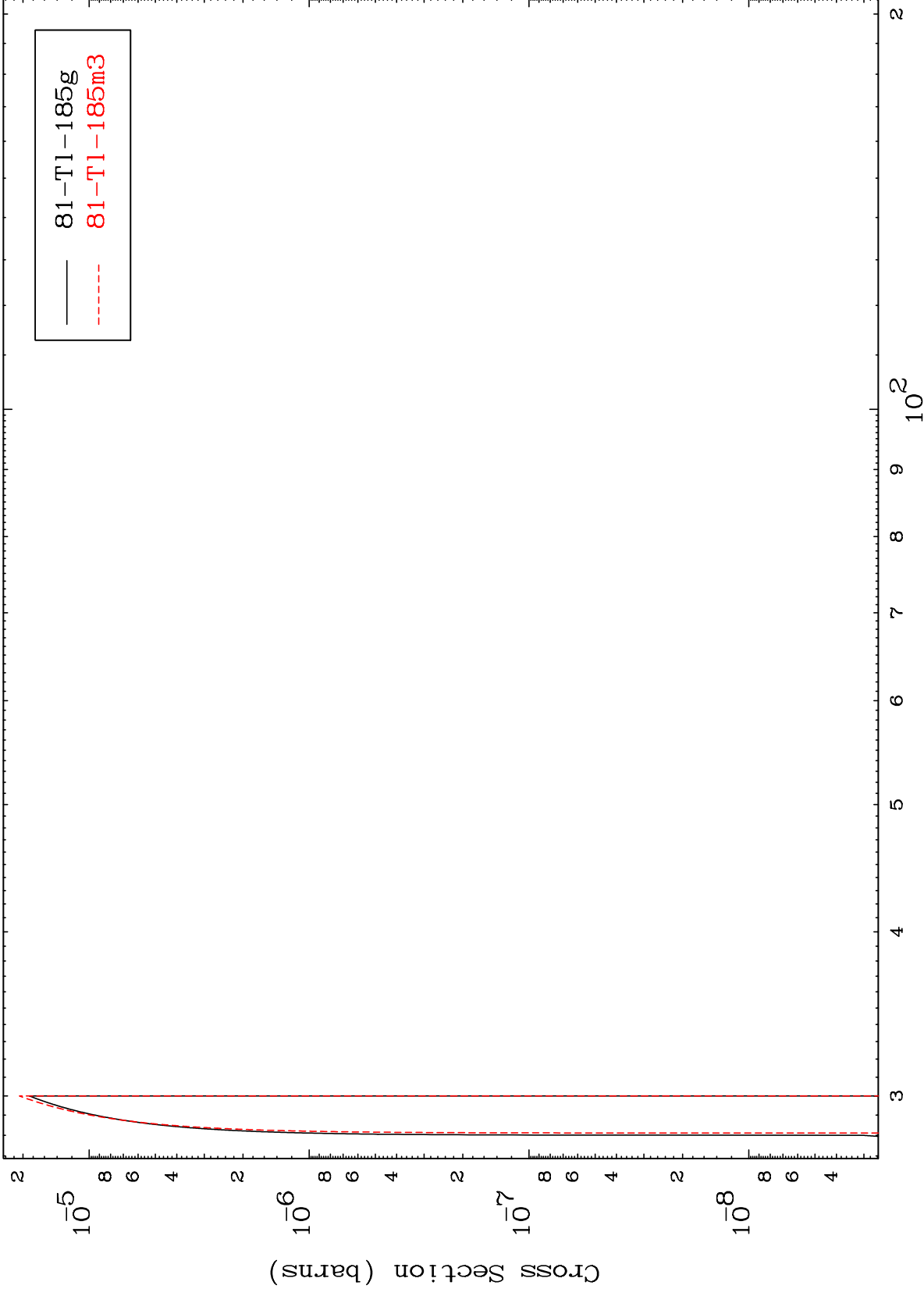


MAT 7999

(n,4n)

80-Hg-187m

Radionuclide Production Cross Section

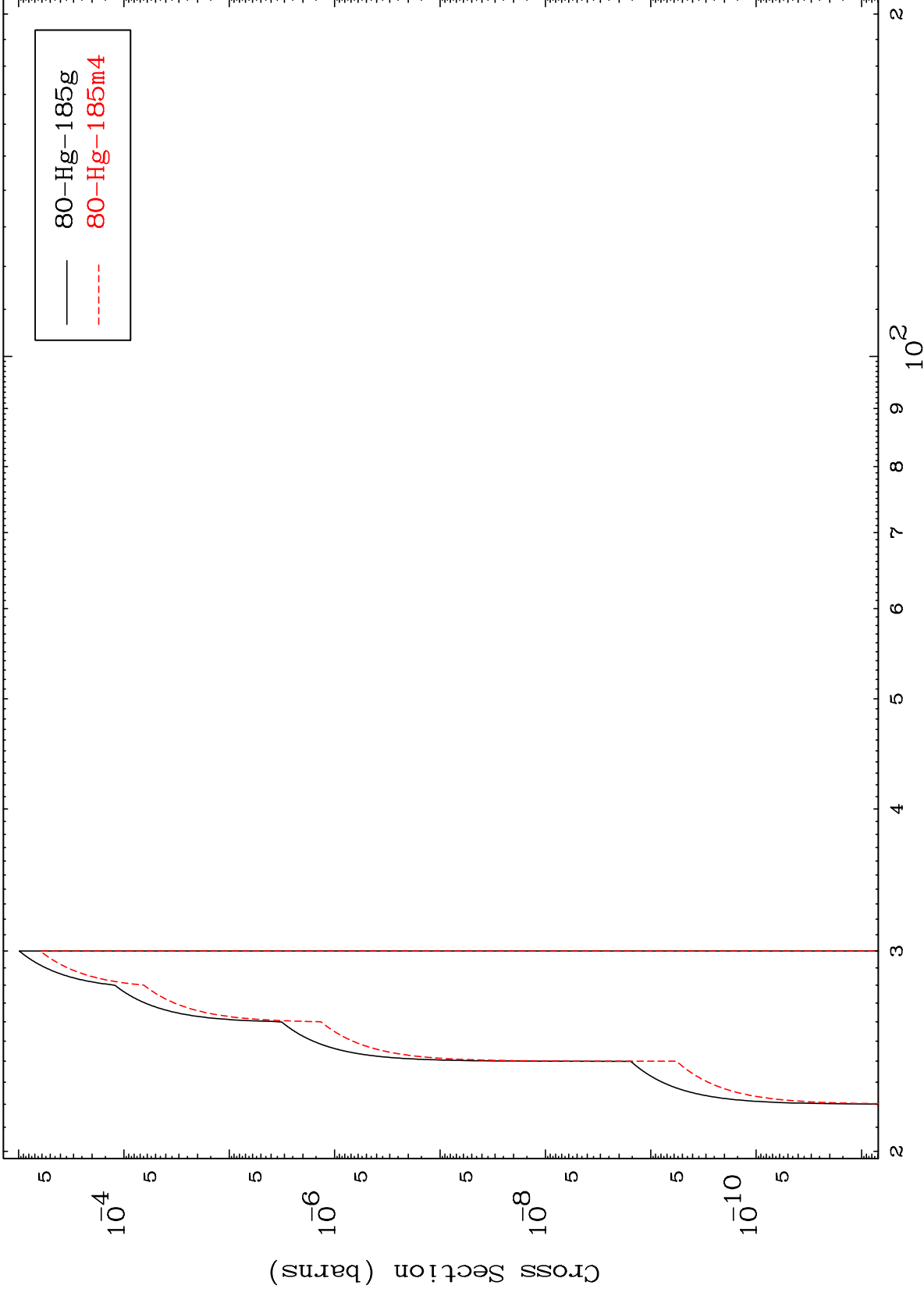


MAT 7999

(n,3n) p

80-Hg-187m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

80-Hg-187m

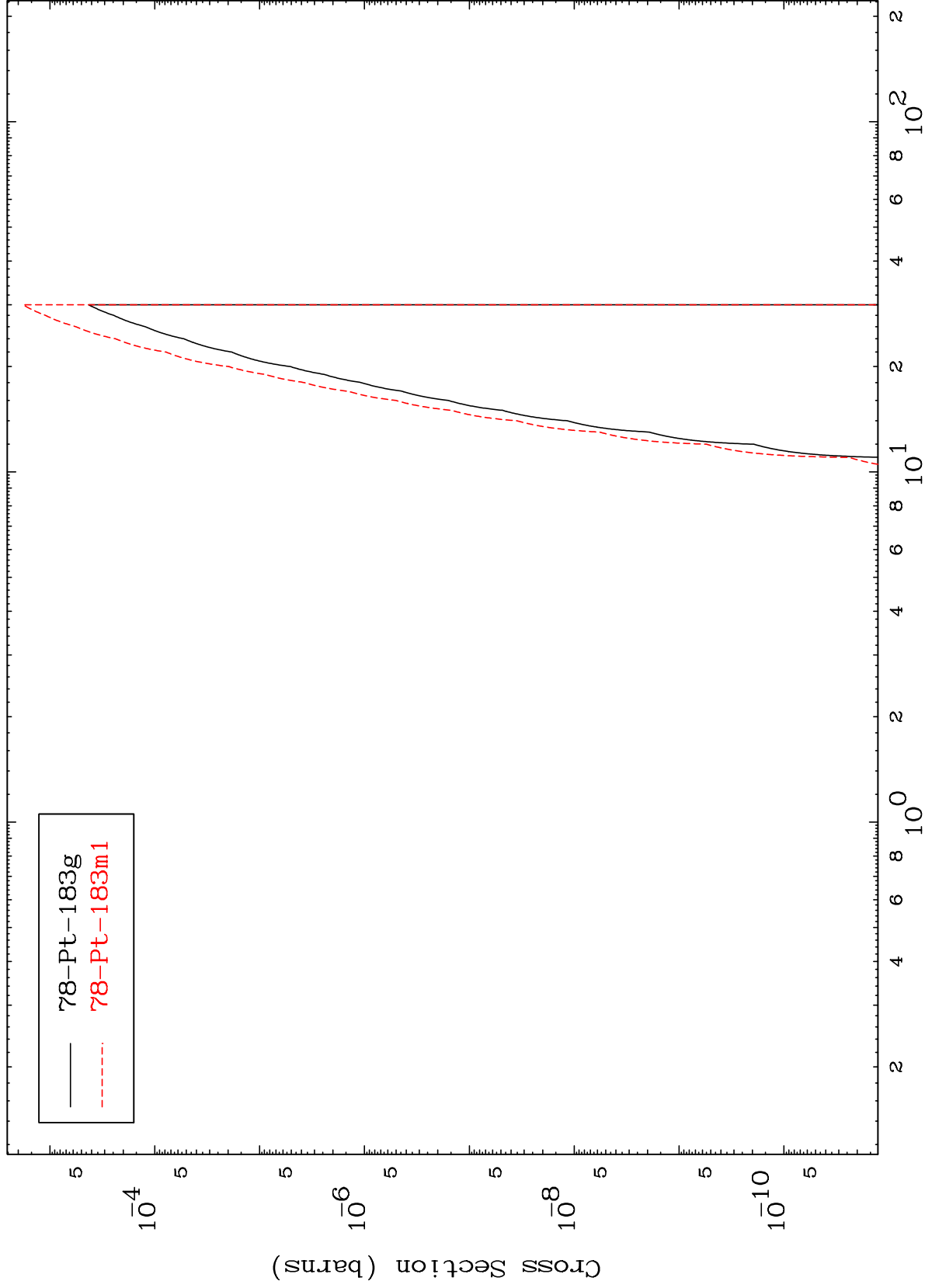


MAT 7999

(n,n') p  $\alpha$

80-Hg-187m

Radionuclide Production Cross Section



24

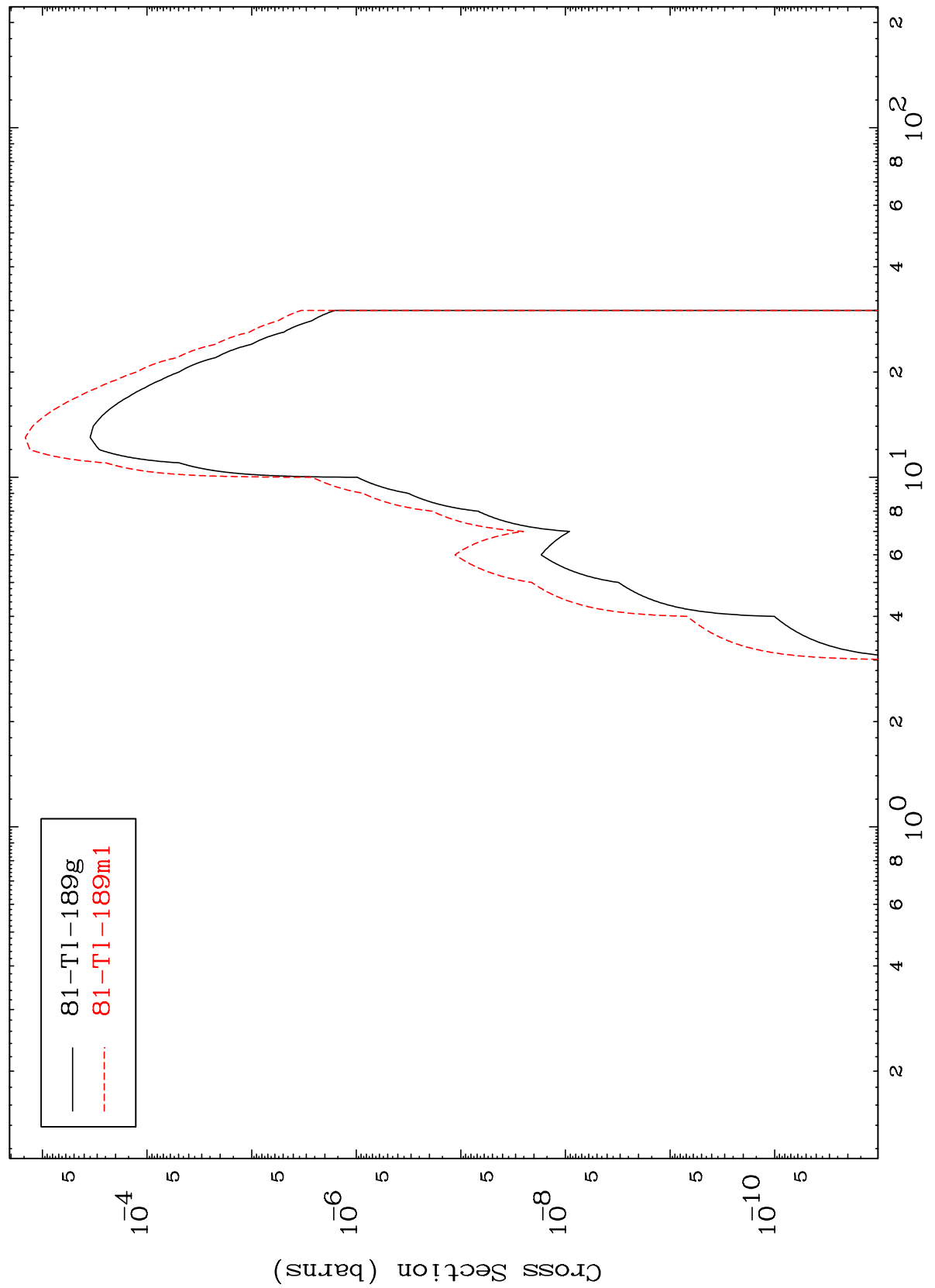
Incident Energy (MeV)

80-Hg-187m

MAT 7999

80-Hg-187m

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



80-Hg-187m

Incident Energy (MeV)

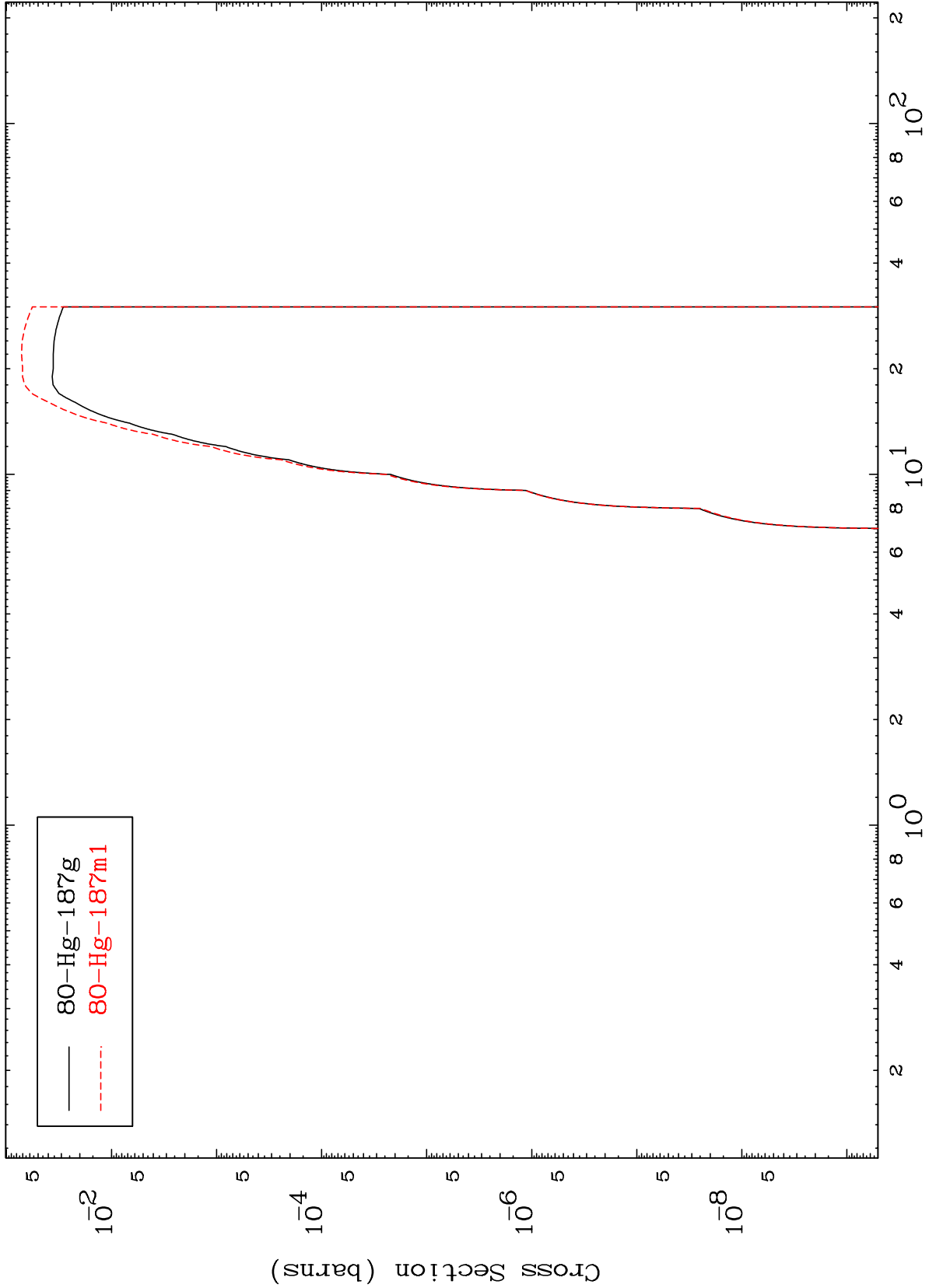
25

MAT 7999

80-Hg-187m

(n,d)

Radionuclide Production Cross Section



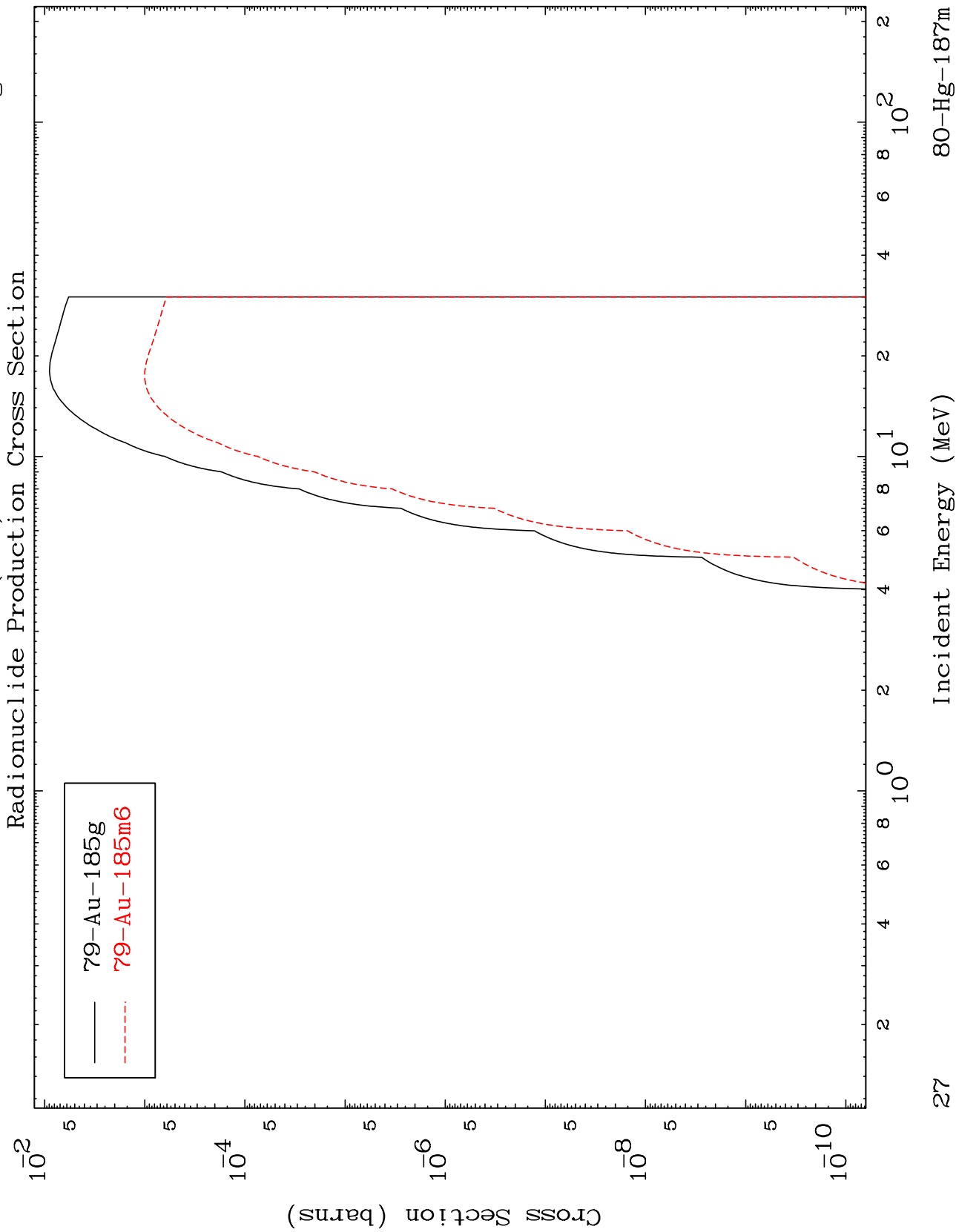
80-Hg-187m

Incident Energy (MeV)

26

MAT 7999

80-Hg-187m

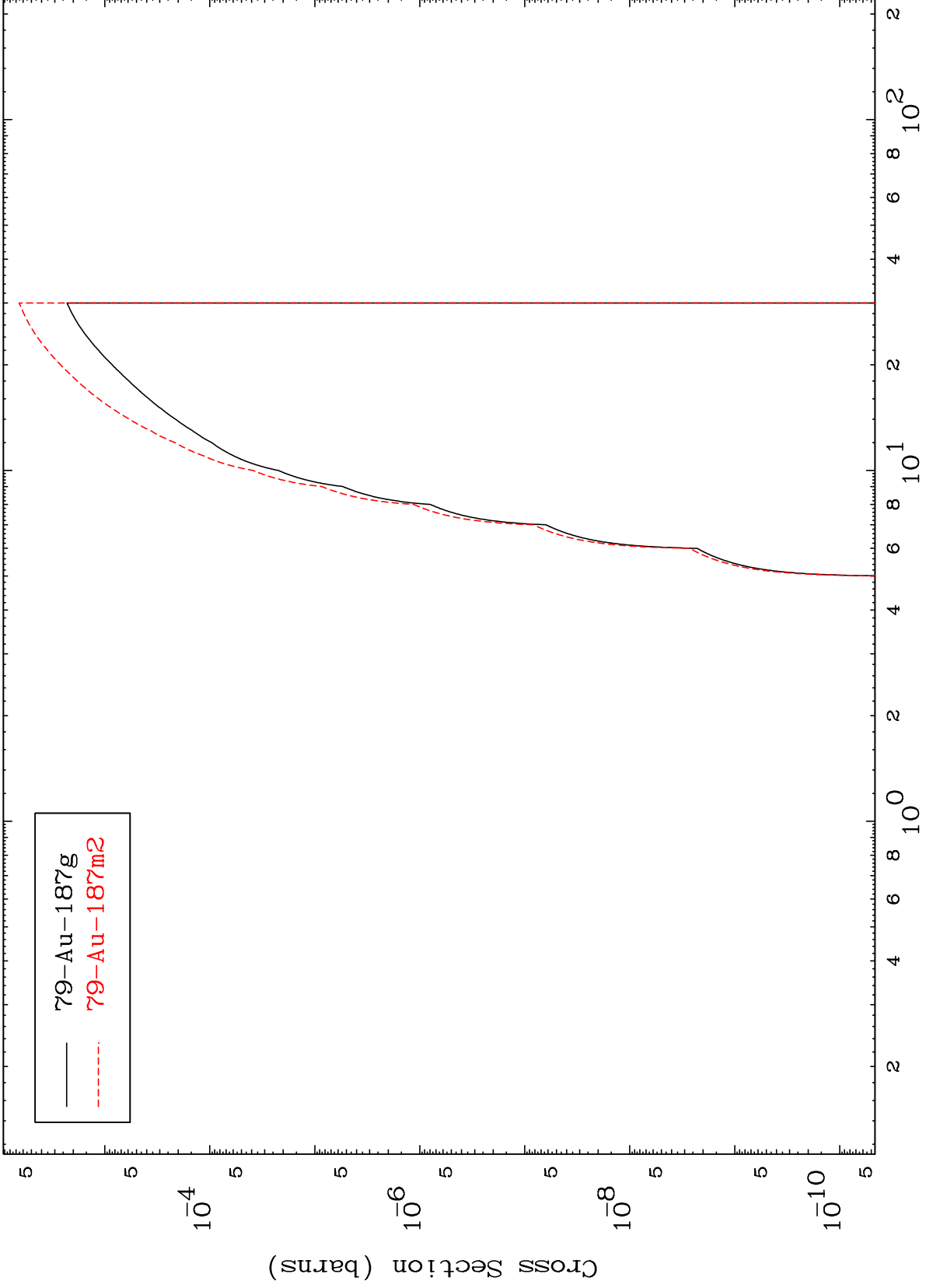


MAT 7999

(n,2p)

80-Hg-187m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

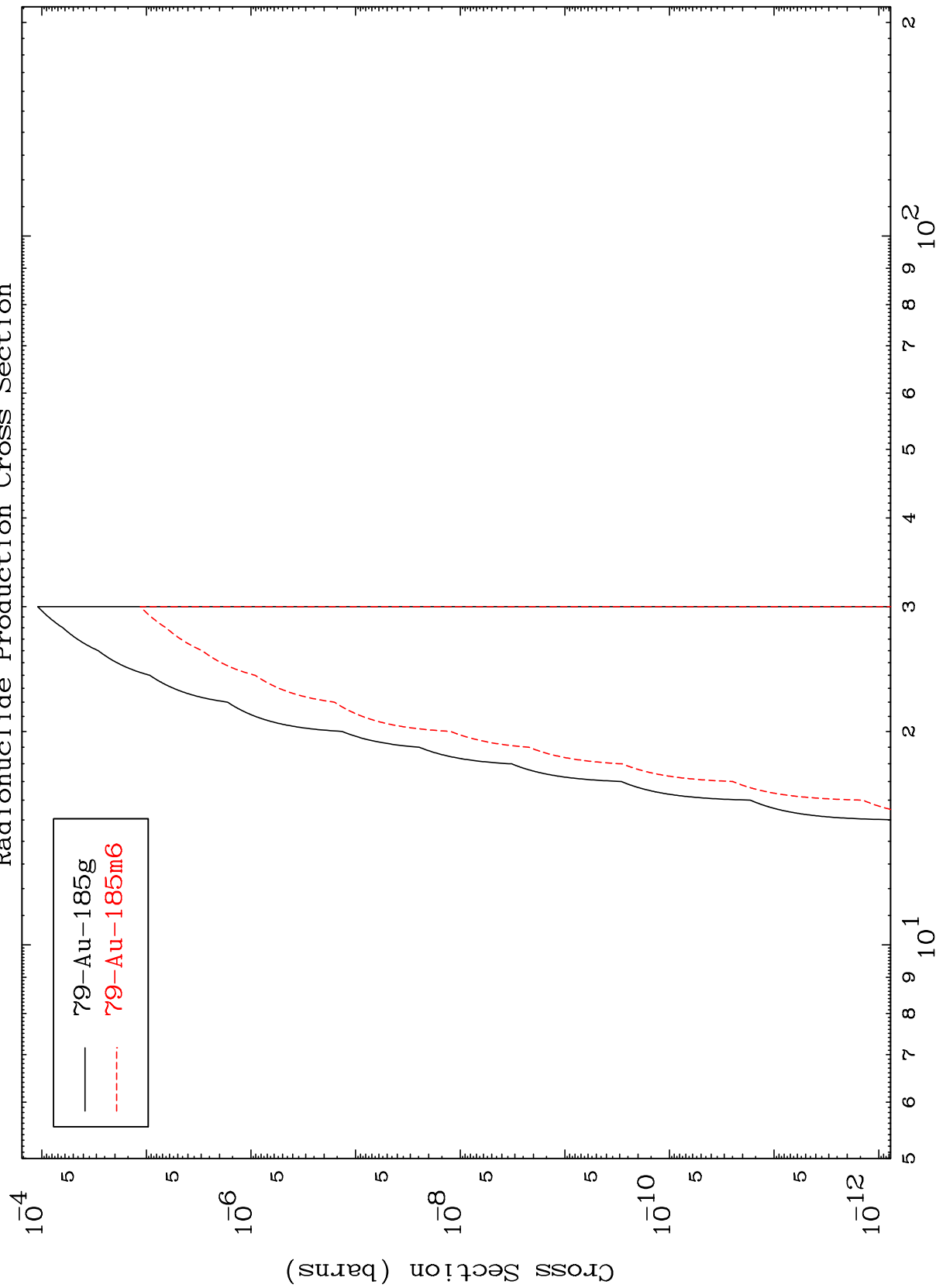
80-Hg-187m

MAT 7999

(n,p) t

80-Hg-187m

Radionuclide Production Cross Section



79-Au-185g  
79-Au-185m6

Incident Energy (MeV)

80-Hg-187m

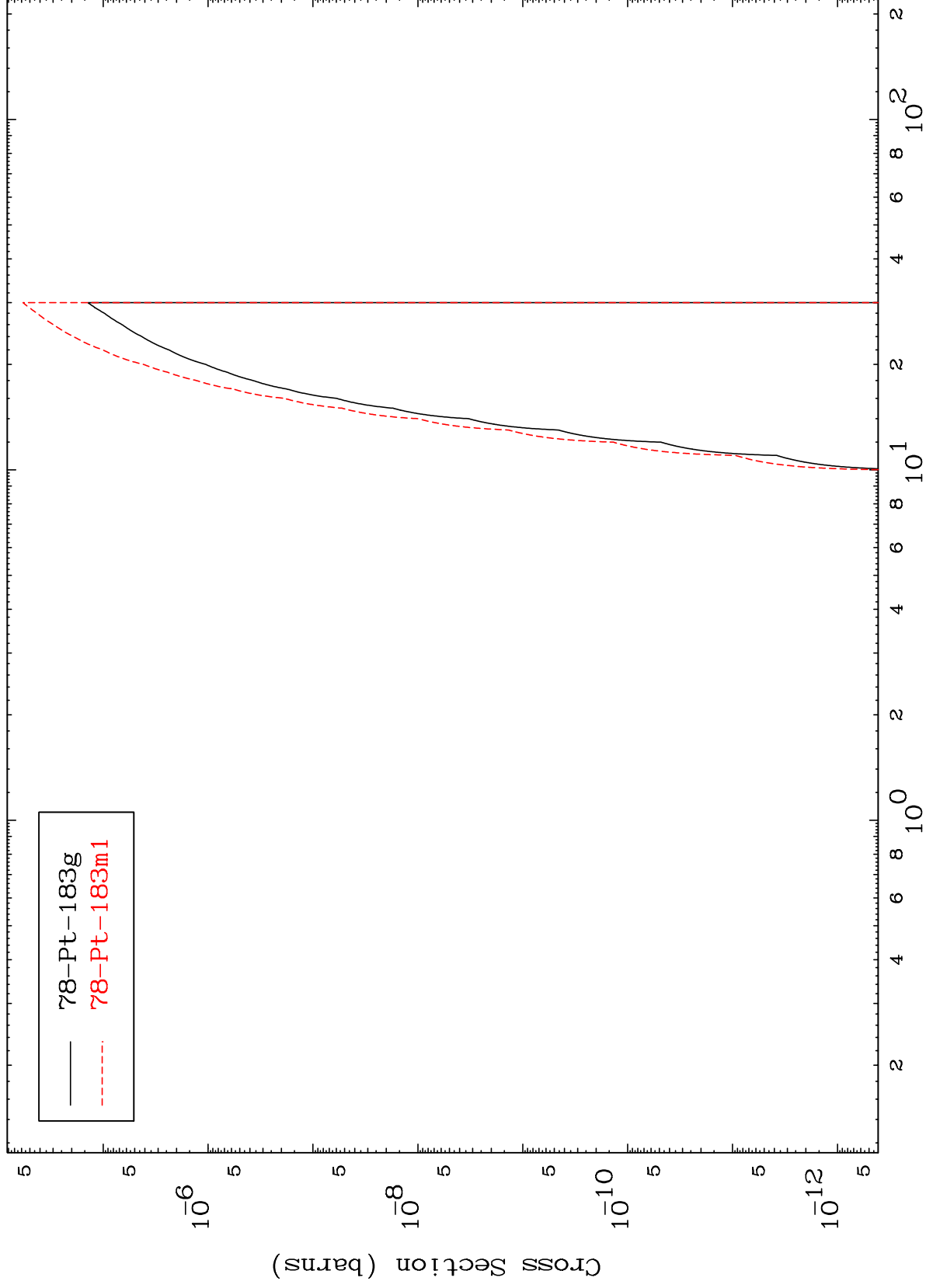
29

MAT 7999

(n,d)  $\alpha$

80-Hg-187m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

80-Hg-187m