

Program EVALPLOT  
(Version 2018-1)

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

Web:redcullen1.net/HOMEPAGE.NEW

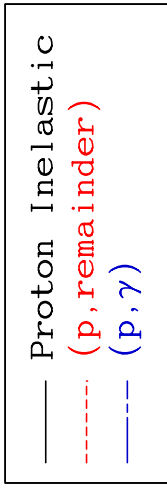
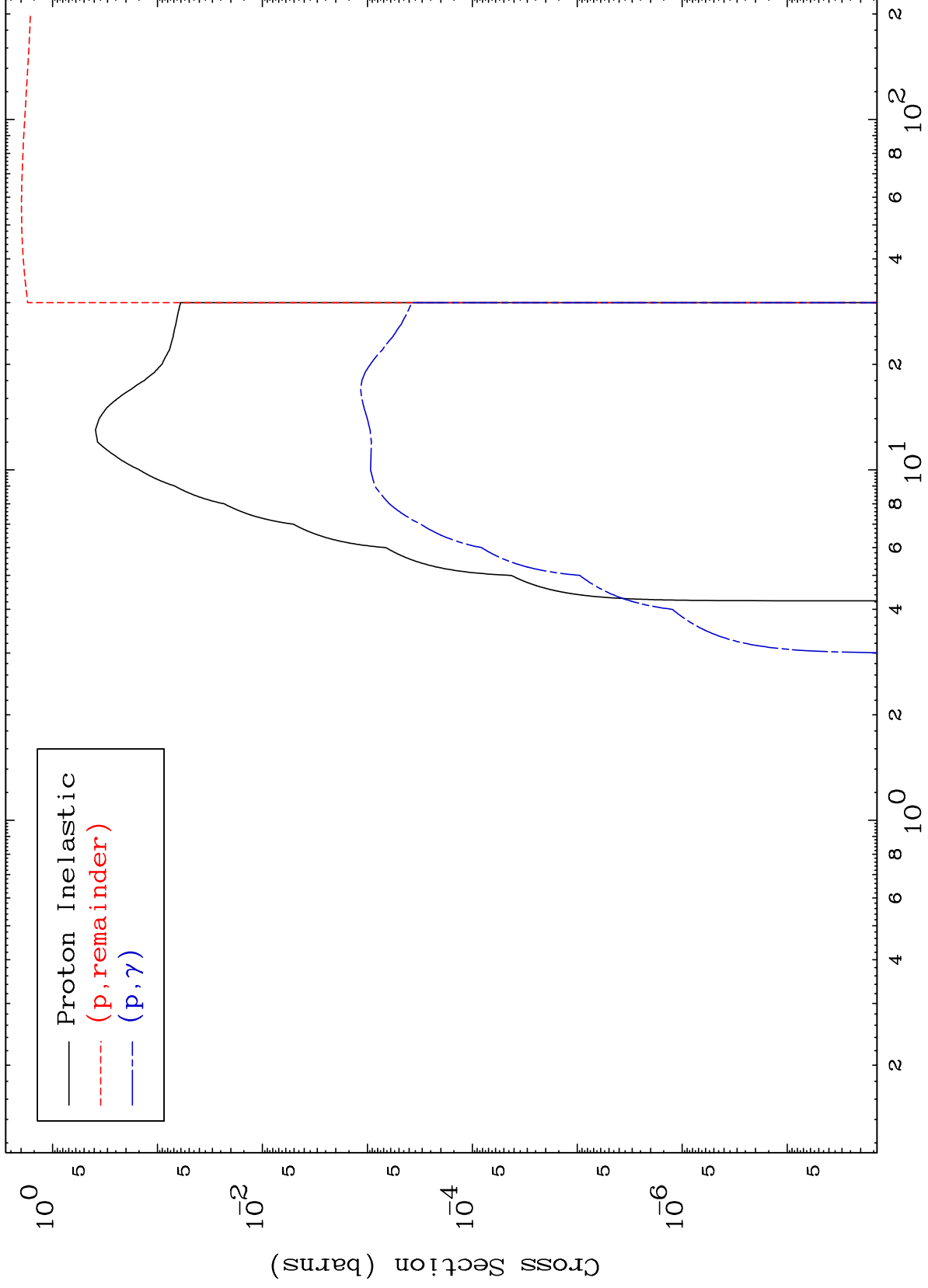
Press Mouse Button to Start

MAT 8031

Proton Major

80-Hg-198

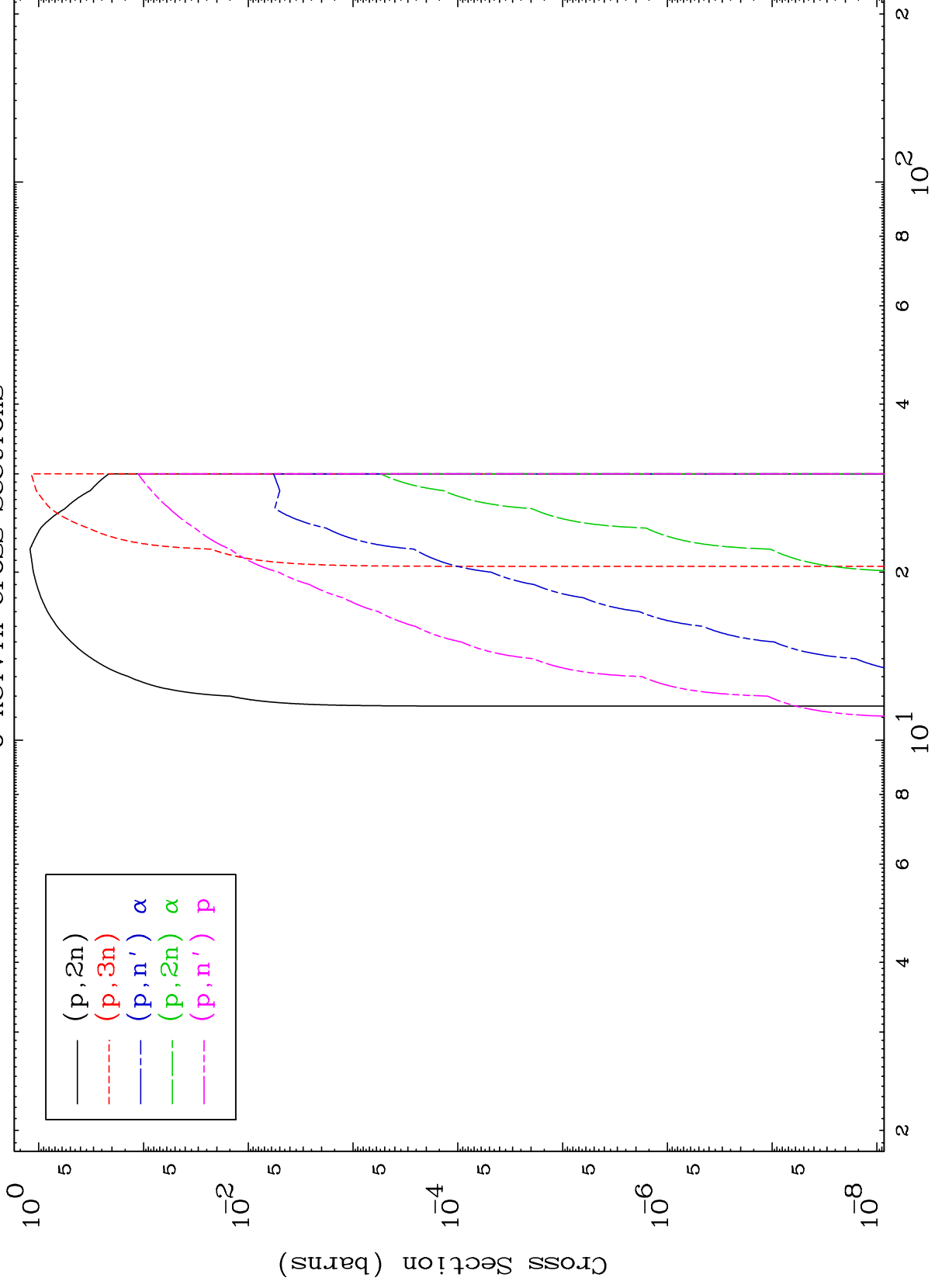
0 Kelvin Cross Sections



MAT 8031

Proton Neutron Production  
0 Kelvin Cross Sections

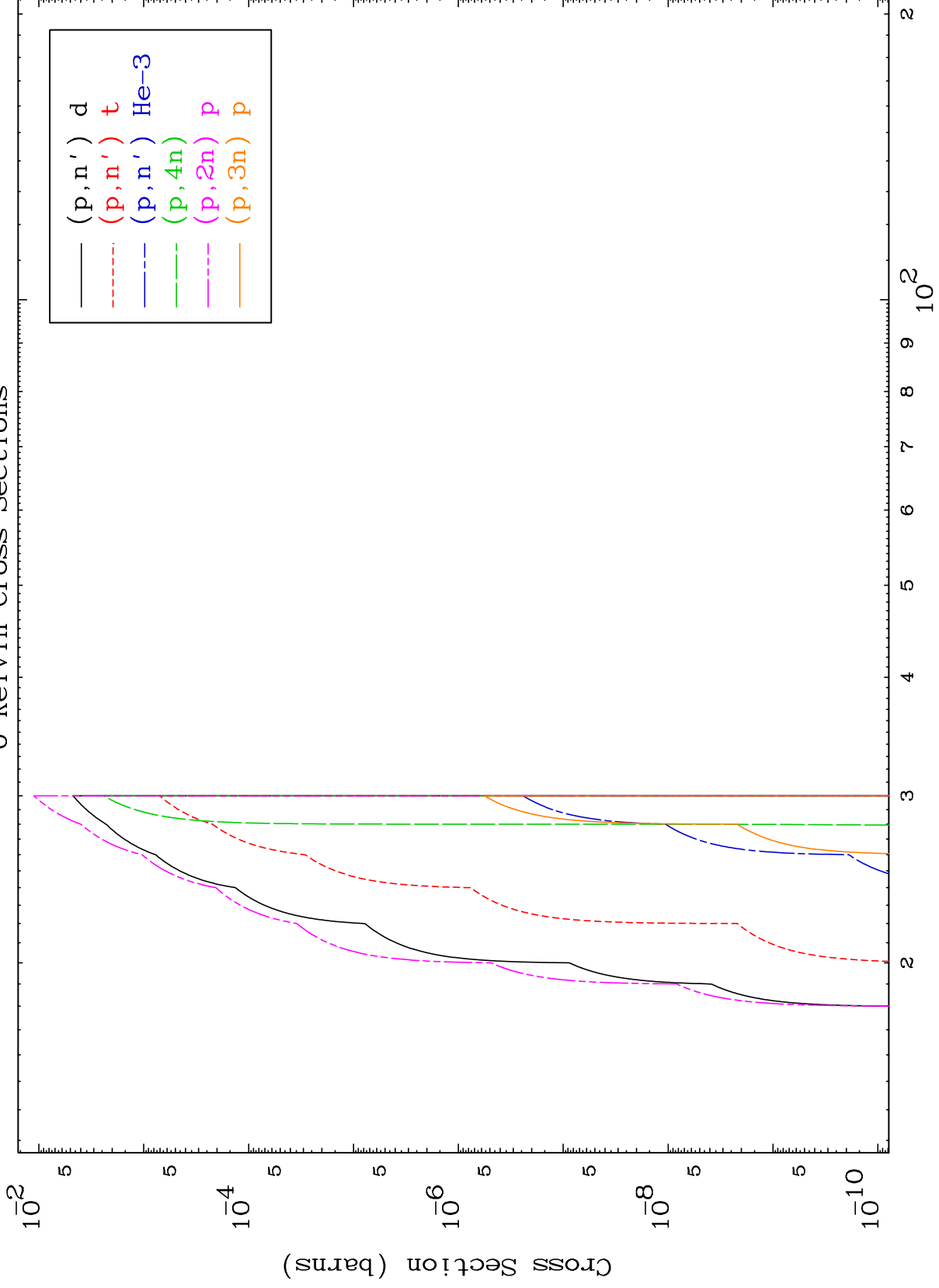
80-Hg-198



2

Incident Energy (MeV)

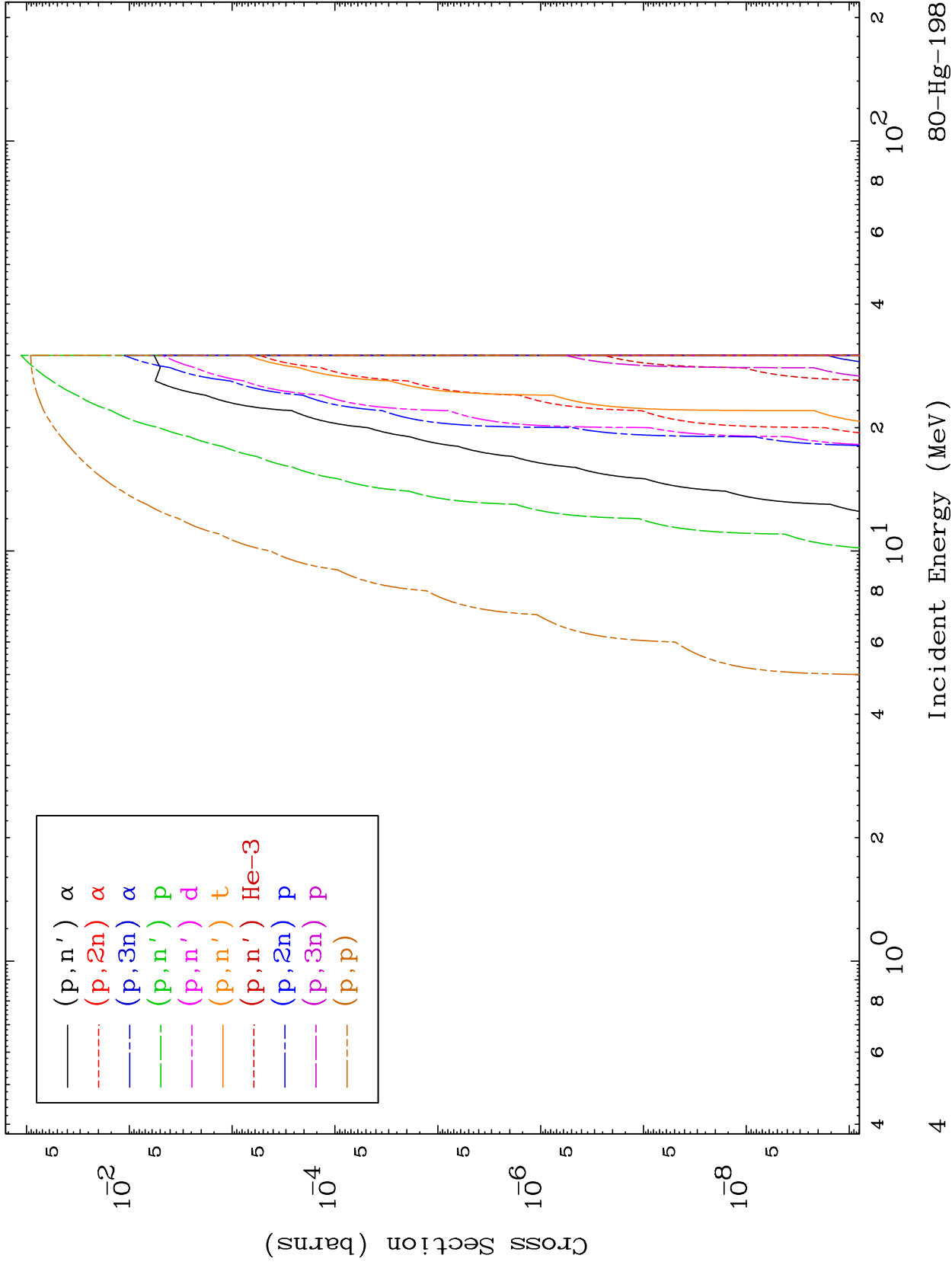
80-Hg-198



MAT 8031

Proton Charged Particle  
0 Kelvin Cross Sections

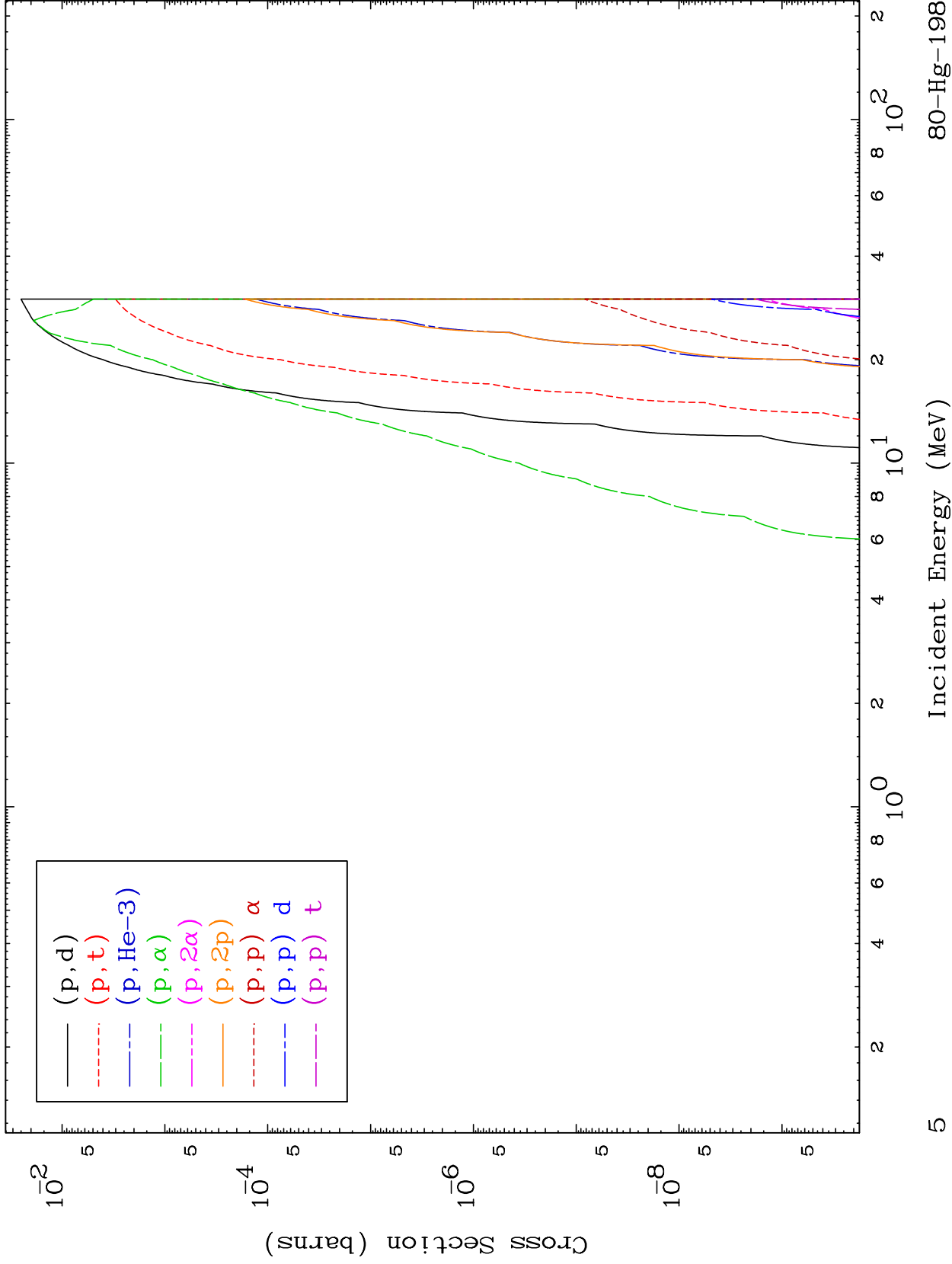
80-Hg-198



MAT 8031

Proton Charged Particle  
0 Kelvin Cross Sections

80-Hg-198

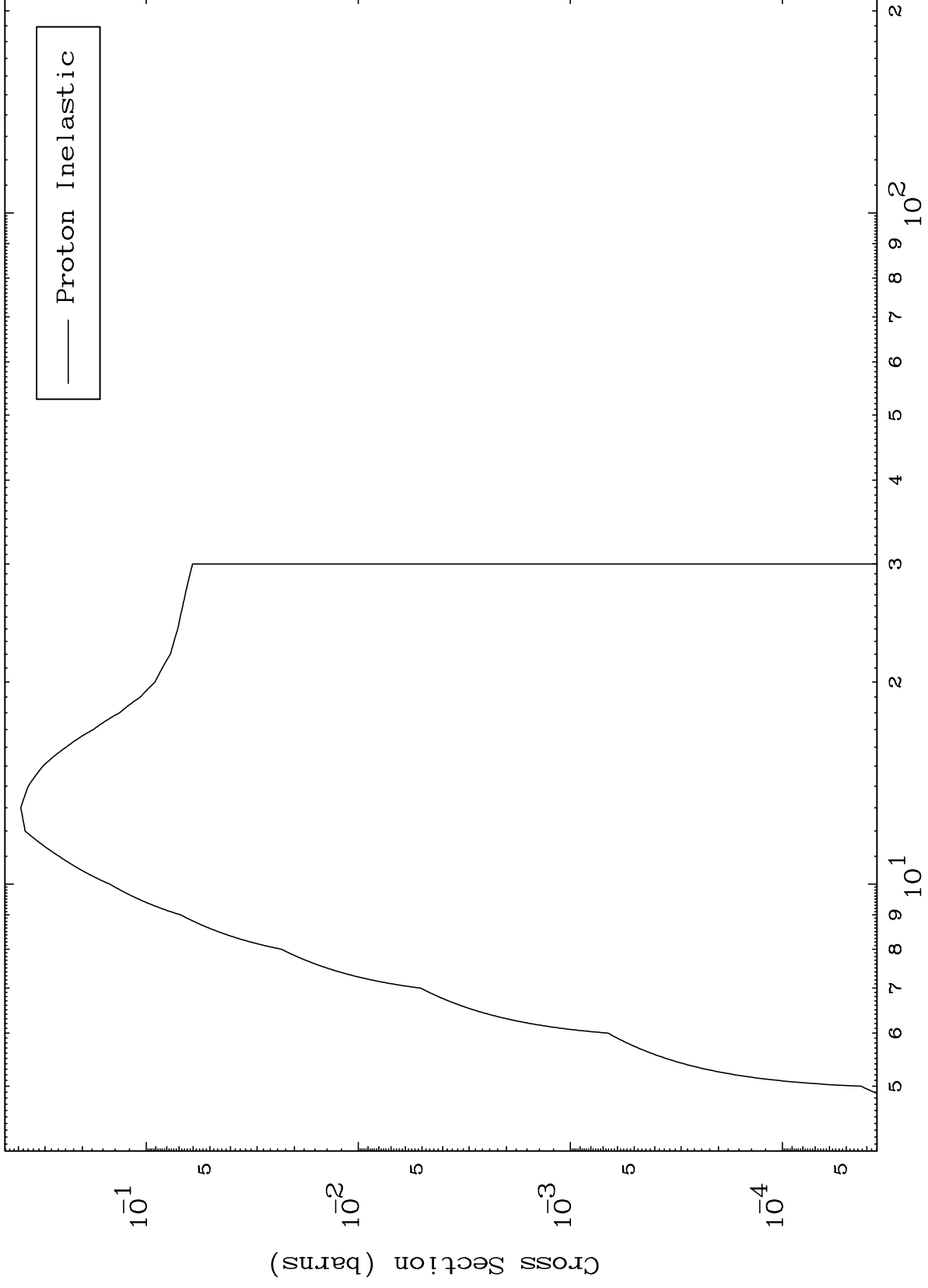


MAT 8031

(p,n') Level

80-Hg-198

0 Kelvin Cross Sections



6

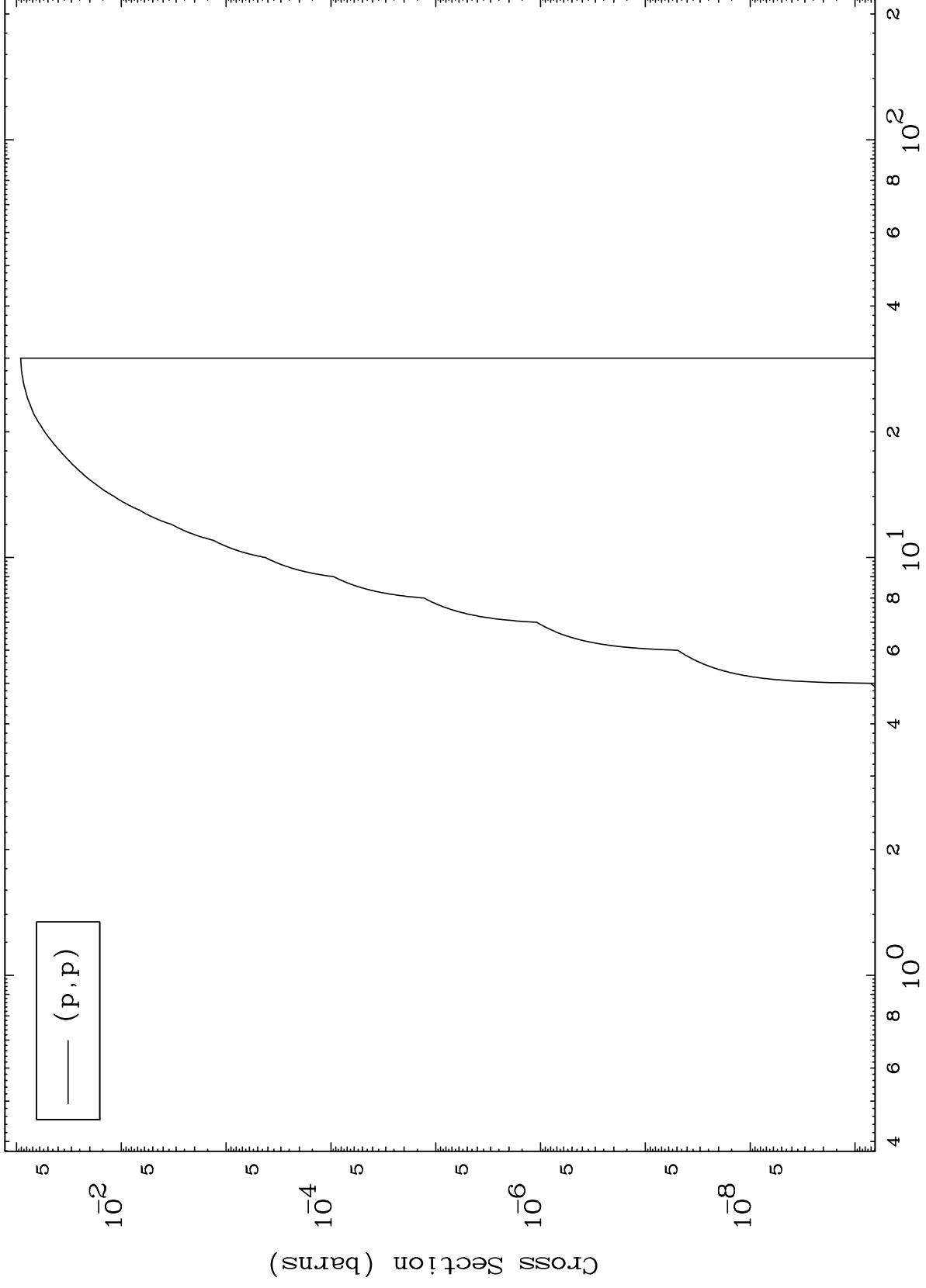
Incident Energy (MeV)

80-Hg-198

MAT 8031

(p,p) Levels  
0 Kelvin Cross Sections

80-Hg-198



7

Incident Energy (MeV)

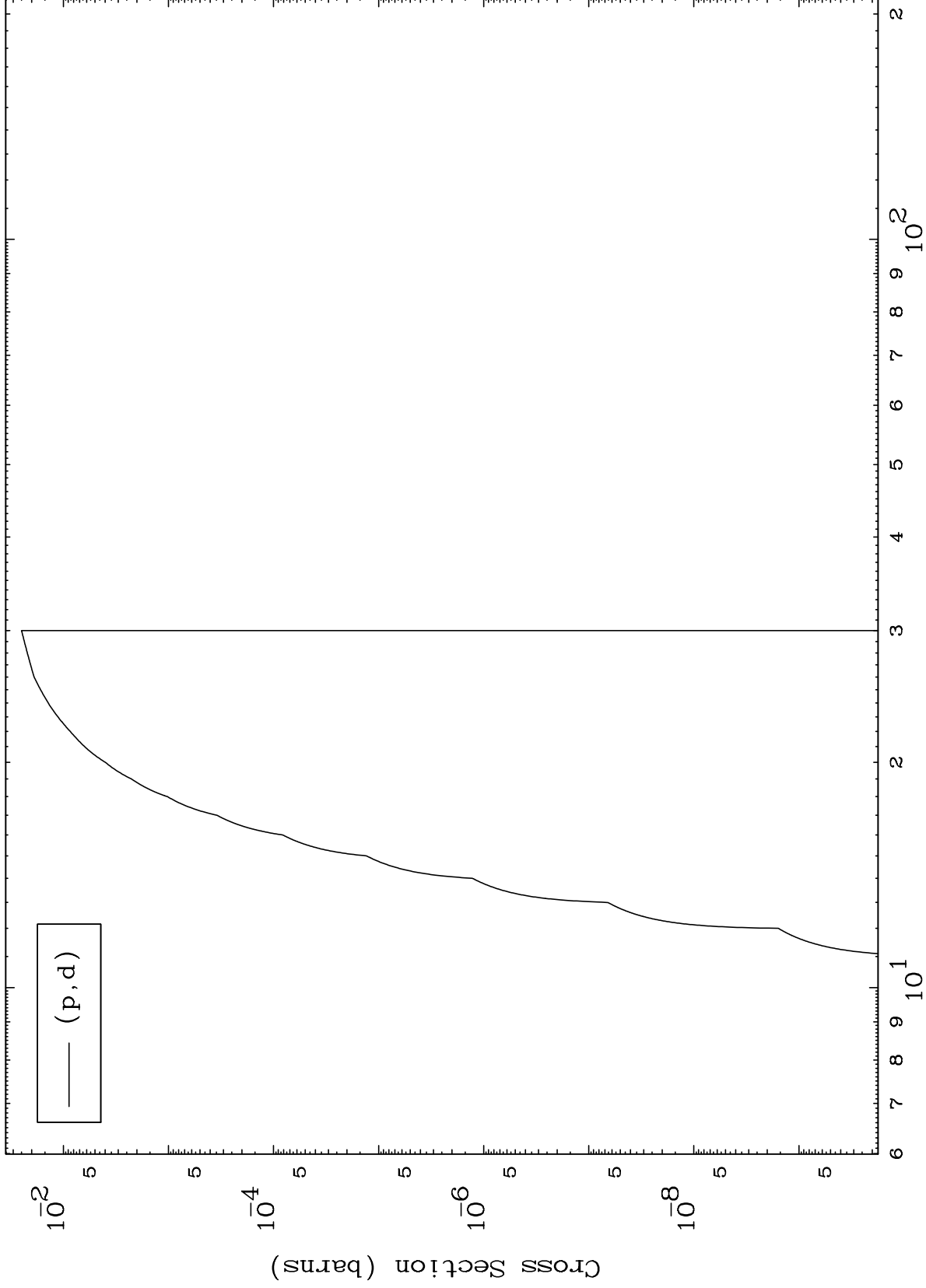
80-Hg-198



MAT 8031

(p,d) Levels  
0 Kelvin Cross Sections

80-Hg-198



8

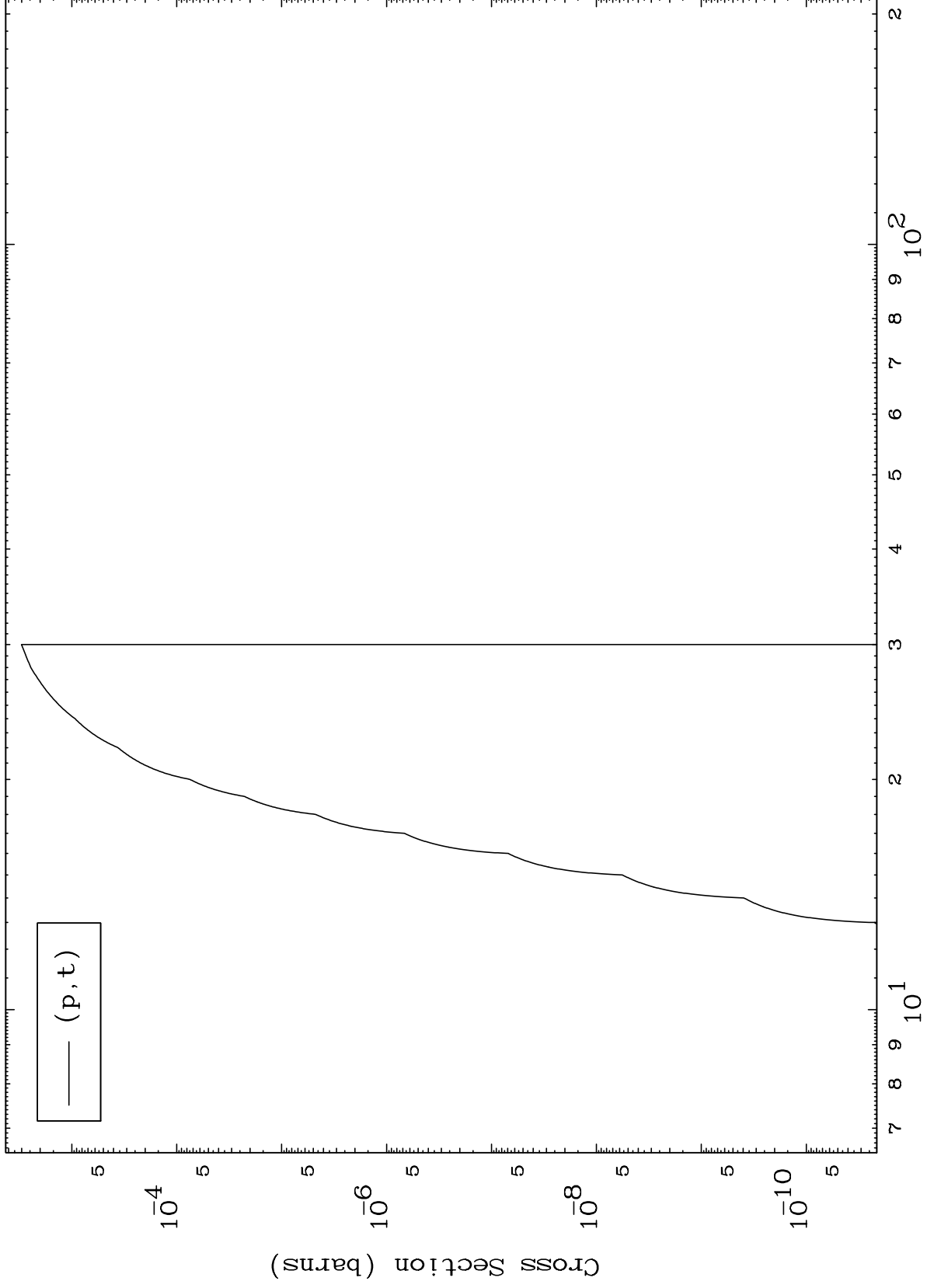
Incident Energy (MeV)

80-Hg-198

MAT 8031

(p,t) Levels  
0 Kelvin Cross Sections

80-Hg-198



9

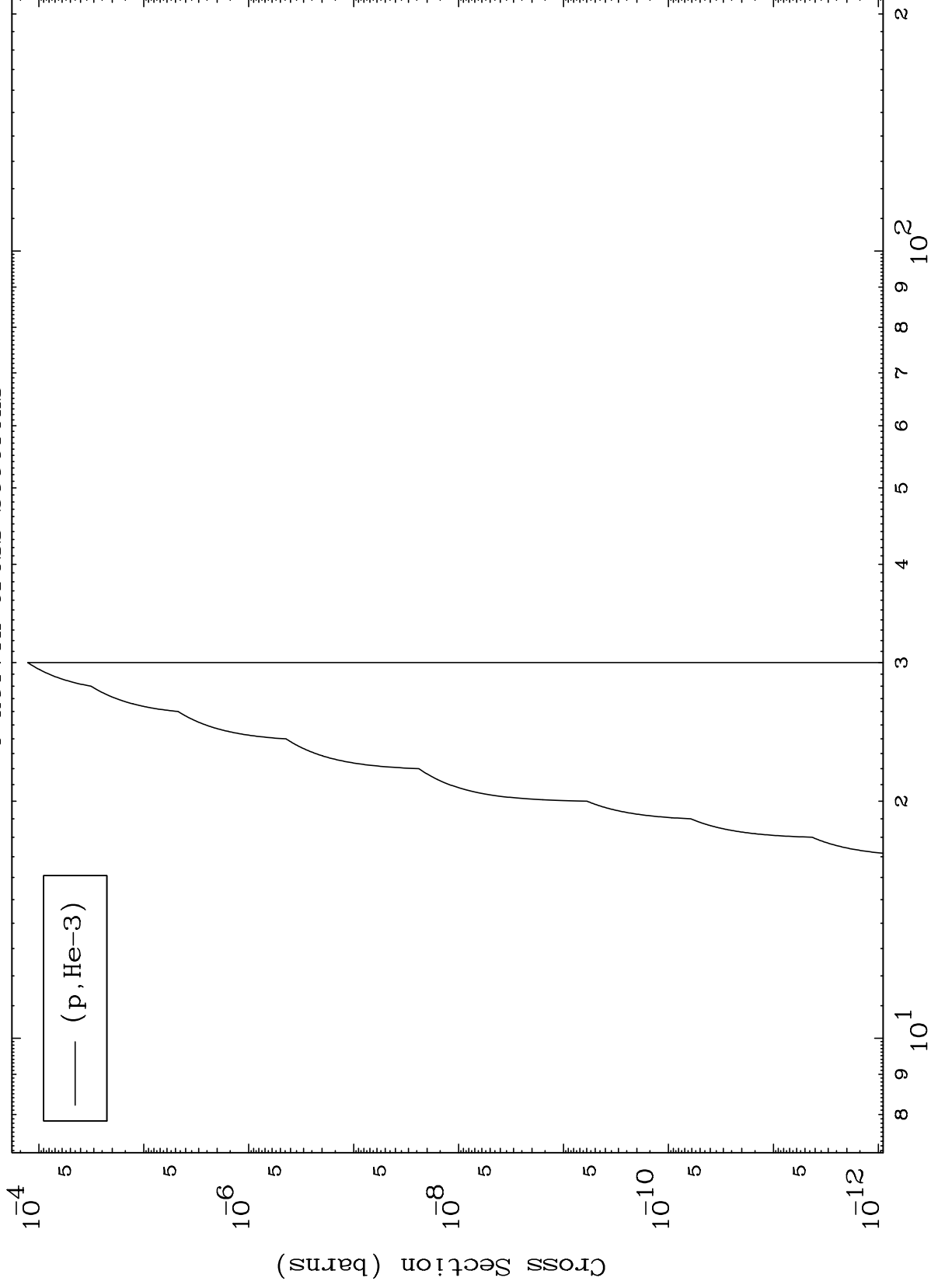
Incident Energy (MeV)

80-Hg-198

MAT 8031

(p,He3) Levels  
0 Kelvin Cross Sections

80-Hg-198



10

Incident Energy (MeV)

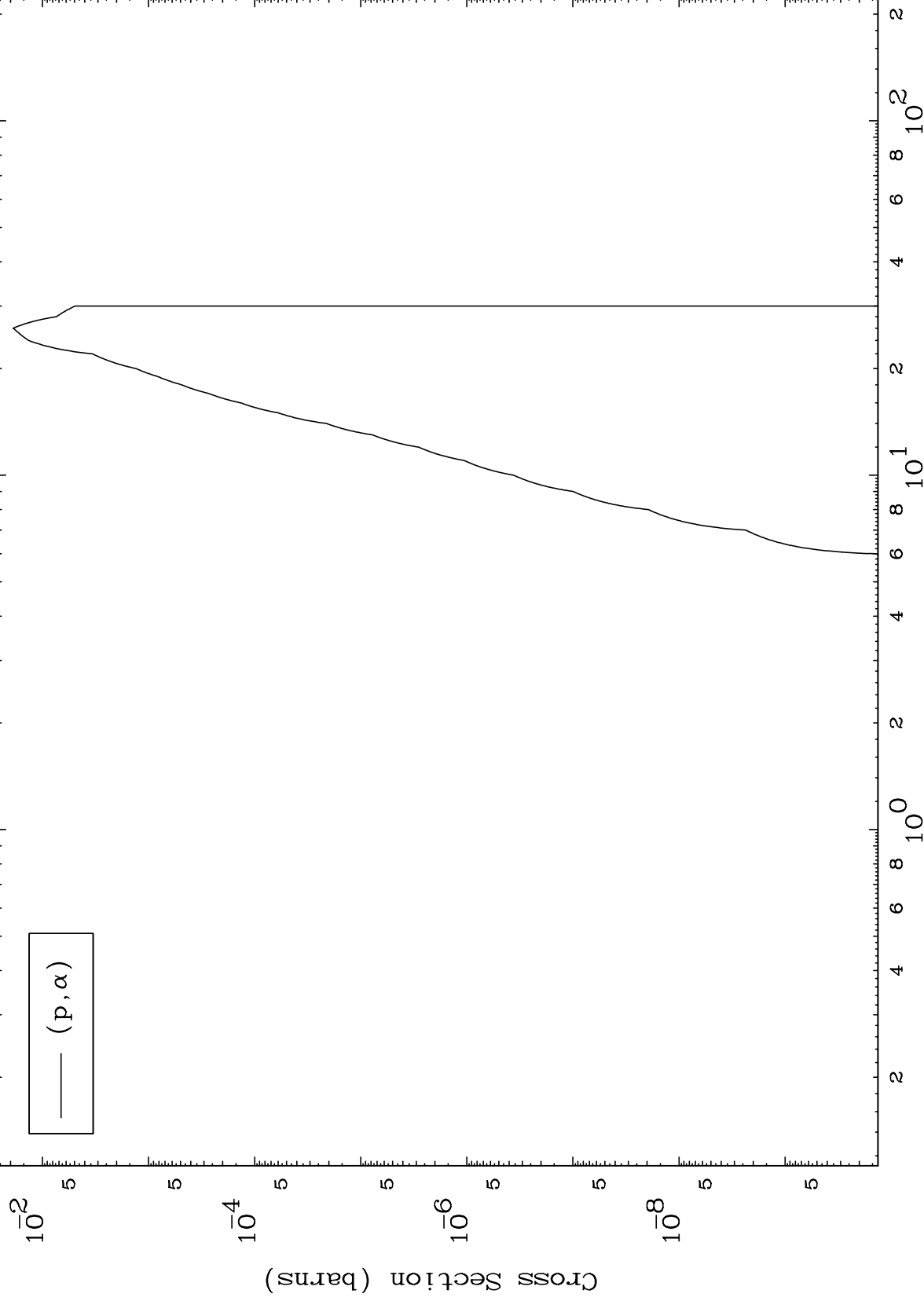
80-Hg-198

MAT 8031

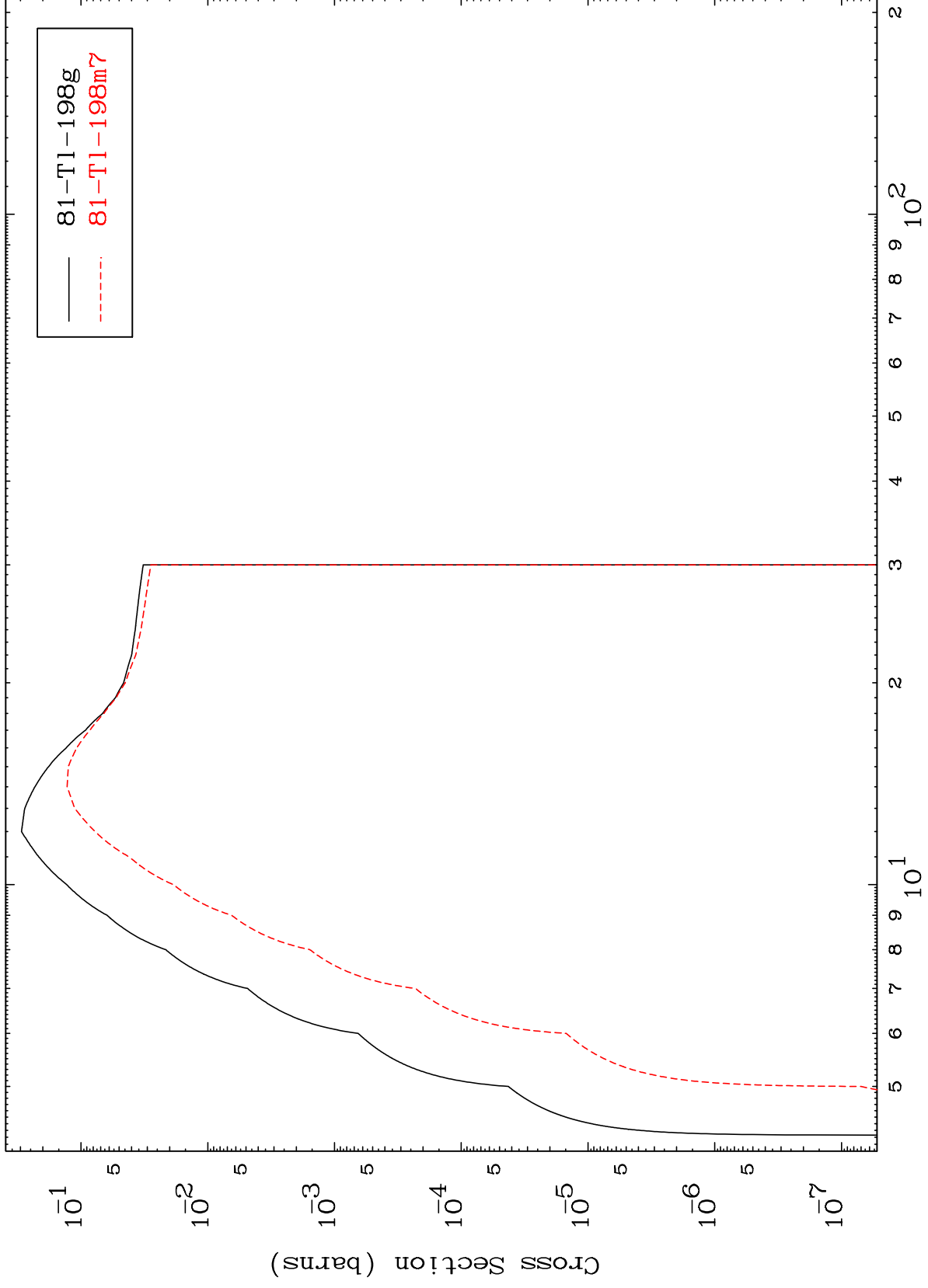
(p,  $\alpha$ ) Levels

80-Hg-198

0 Kelvin Cross Sections



Proton Inelastic  
Radionuclide Production Cross Section

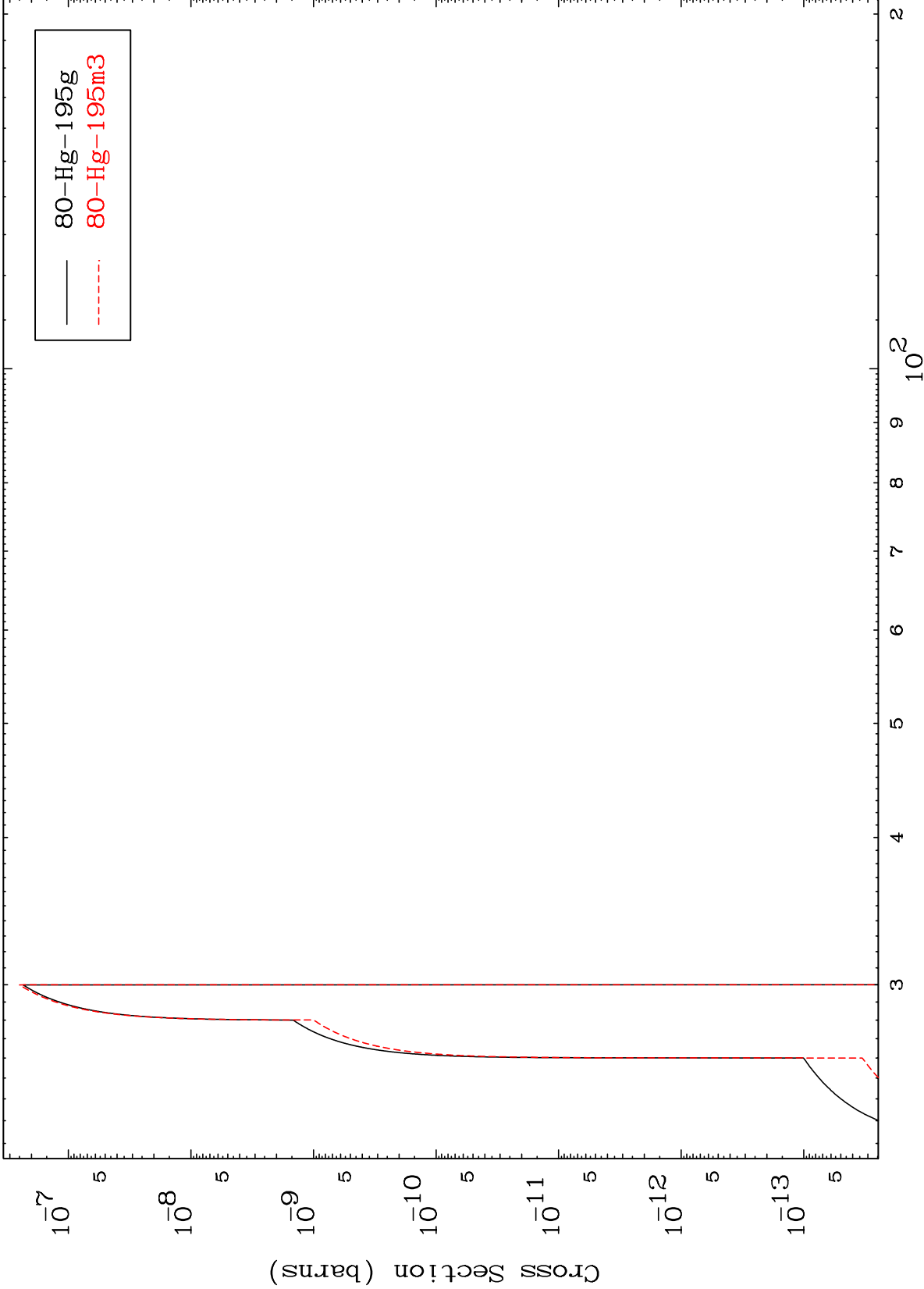


MAT 8031

(p,2n) d

80-Hg-198

Radionuclide Production Cross Section



13

Incident Energy (MeV)

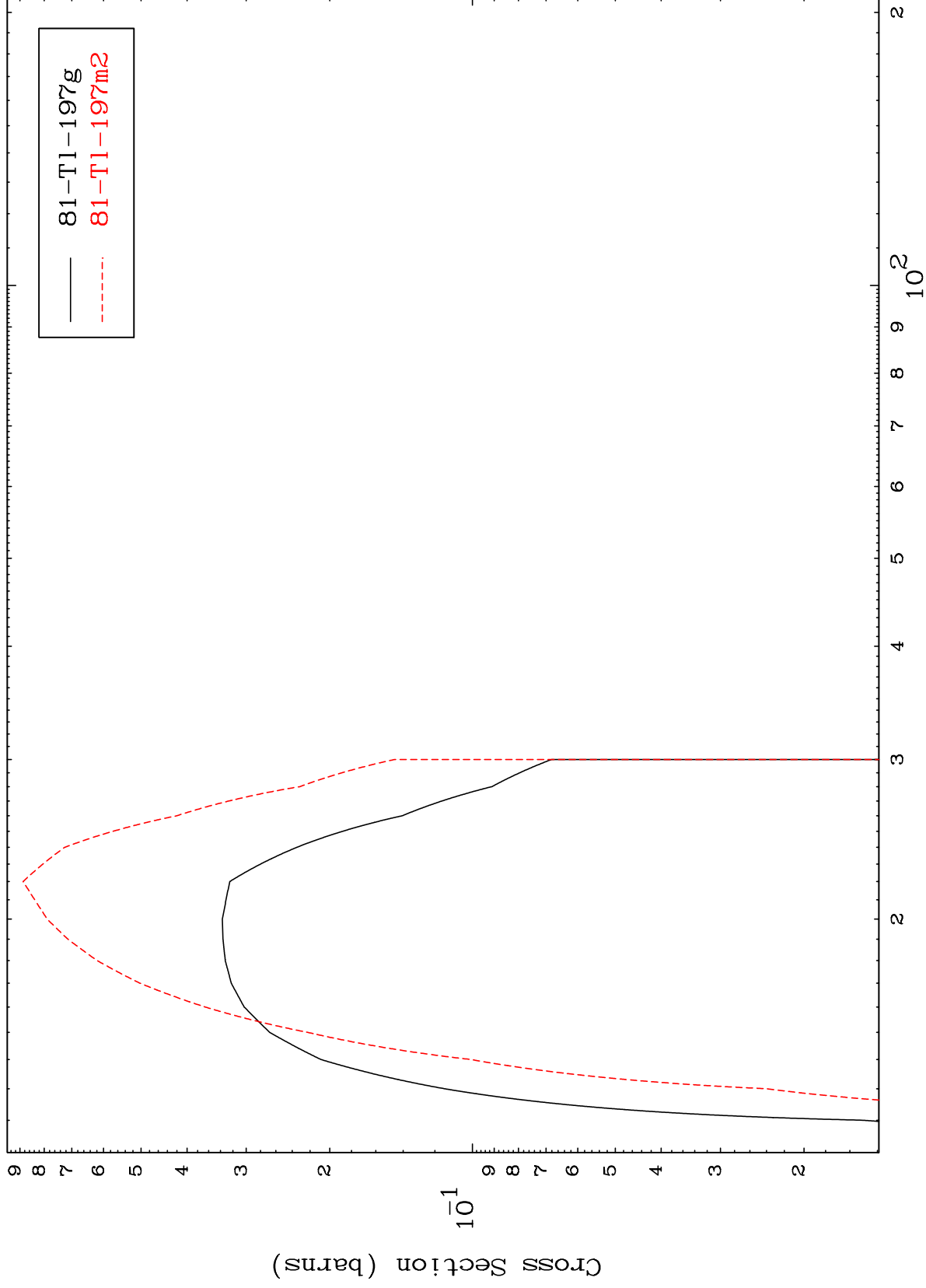
80-Hg-198

MAT 8031

(p,2n)

80-Hg-198

Radionuclide Production Cross Section



14

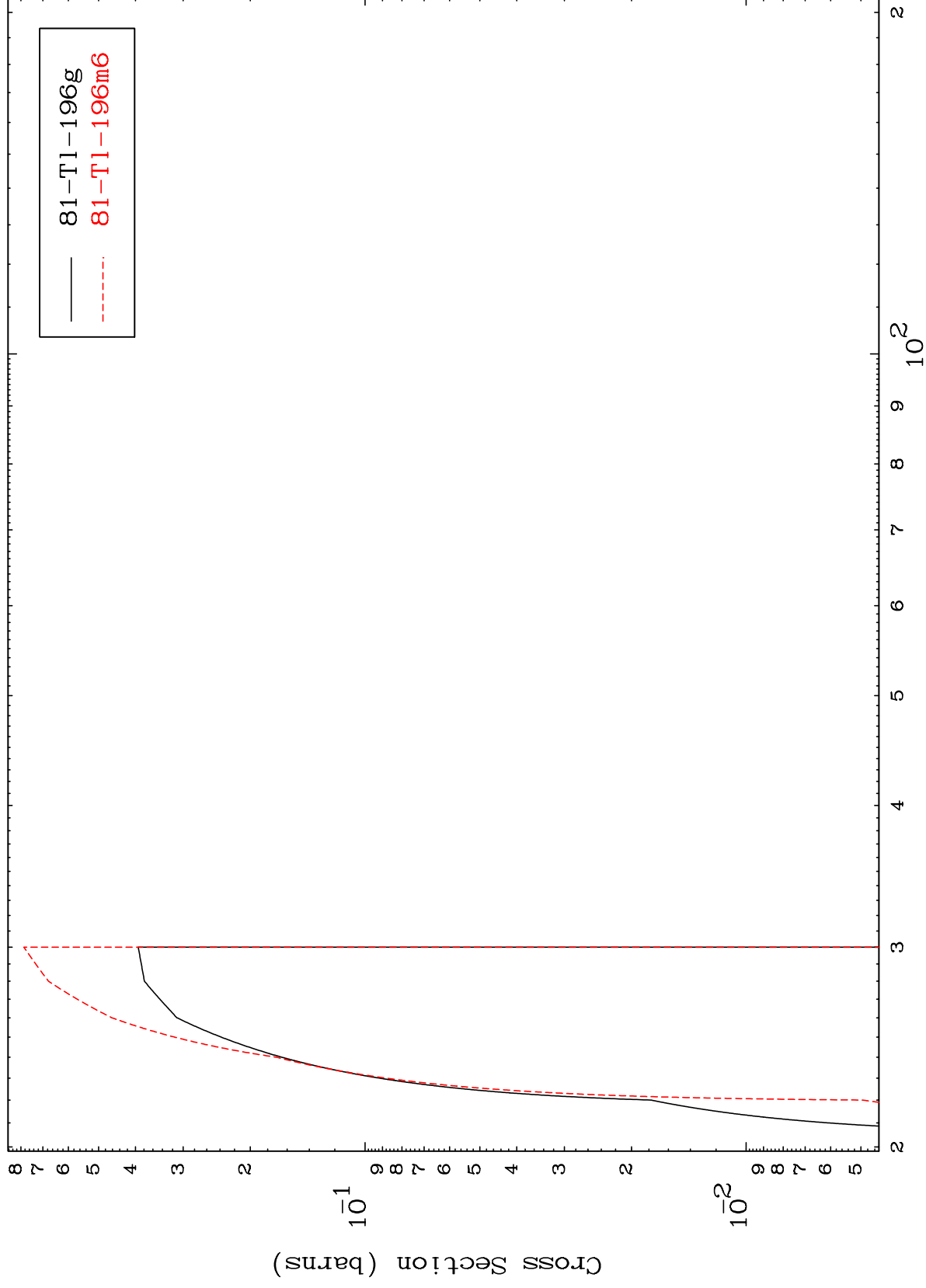
Incident Energy (MeV)

80-Hg-198

MAT 8031

80-Hg-198

(p,3n)  
Radionuclide Production Cross Section



15

Incident Energy (MeV)

80-Hg-198

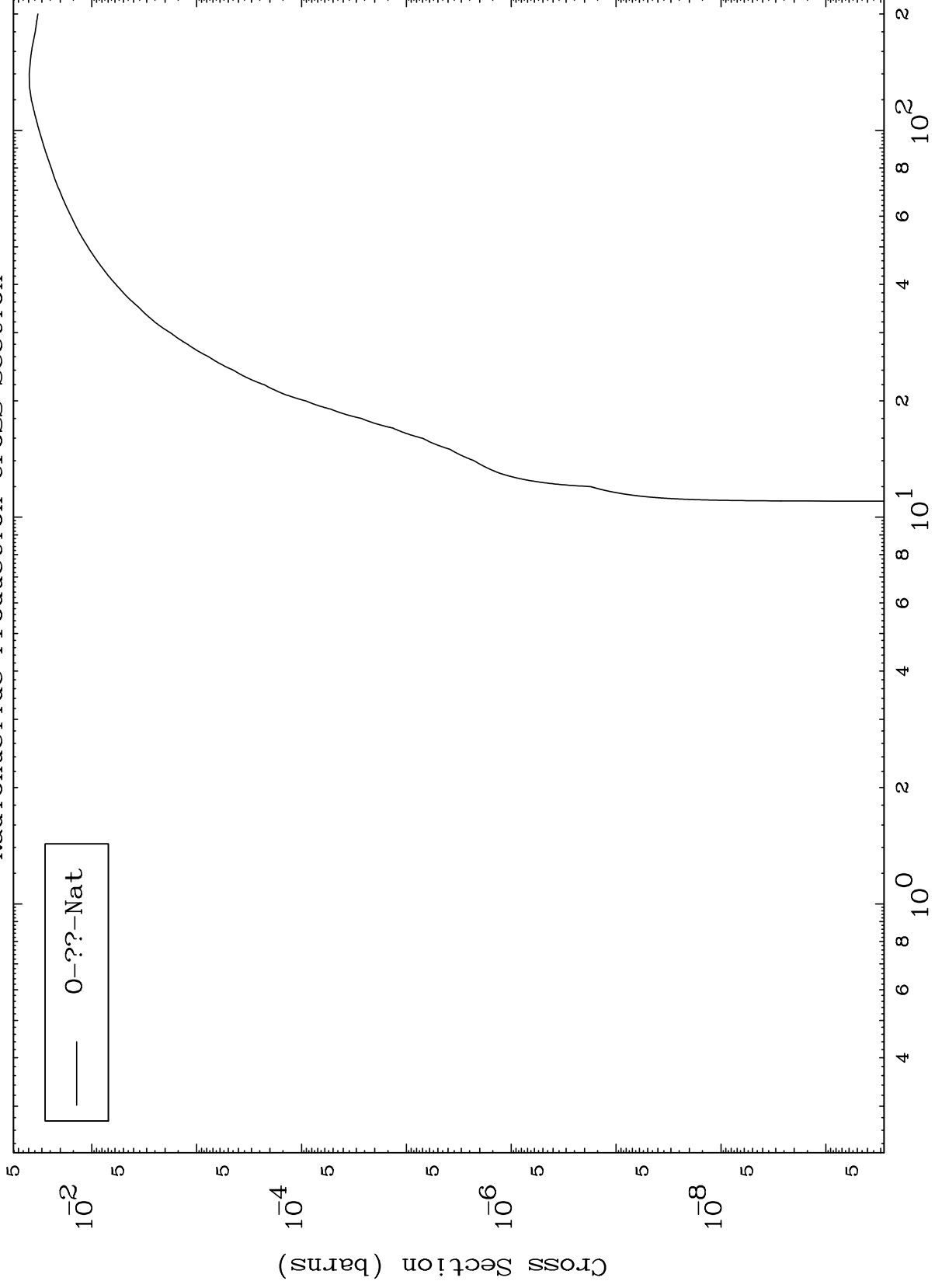


MAT 8031

Proton Fission

80-Hg-198

Radionuclide Production Cross Section



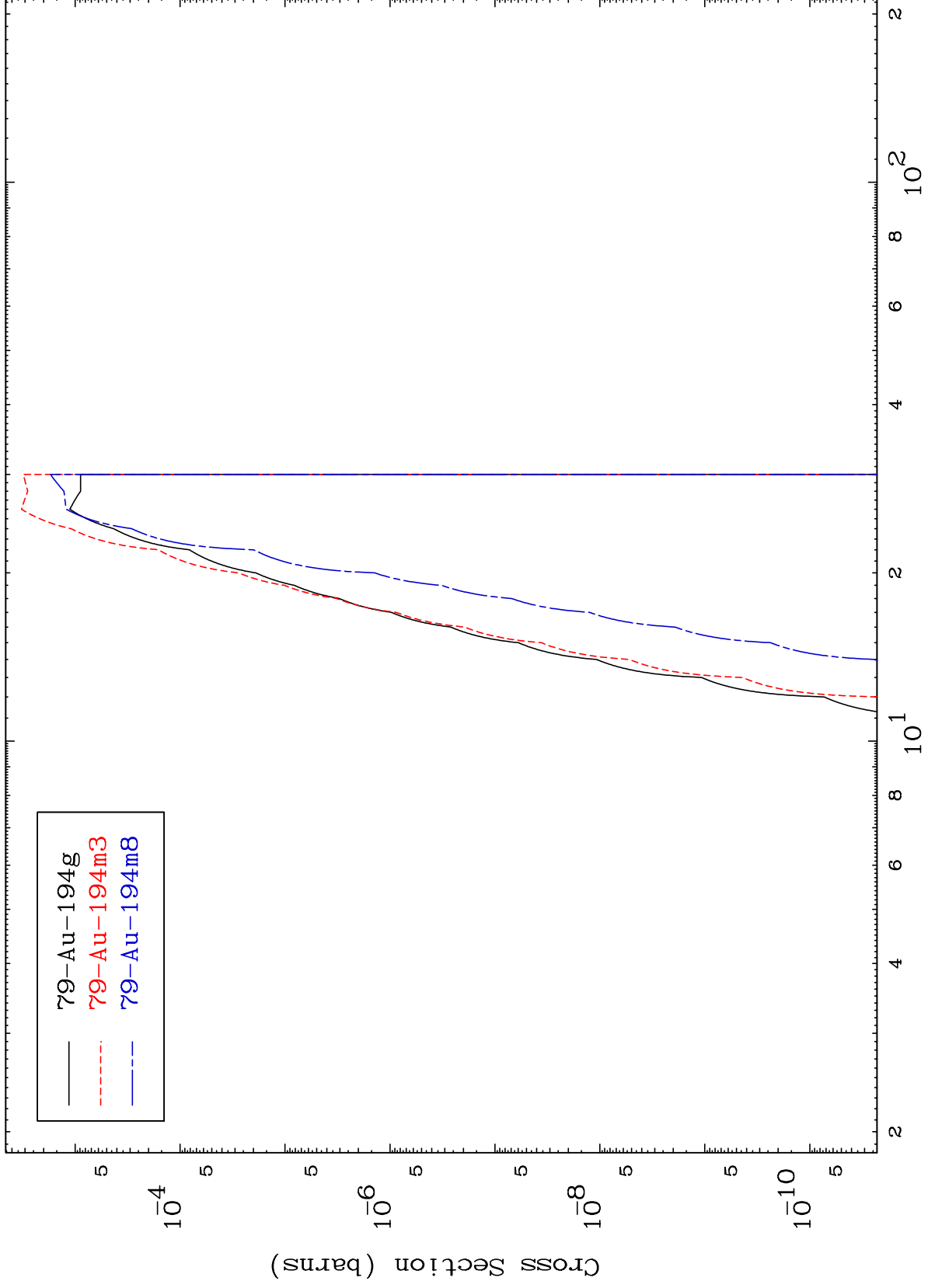
— 0-??-Nat

MAT 8031

(p,n')  $\alpha$

80-Hg-198

Radionuclide Production Cross Section



17

Incident Energy (MeV)

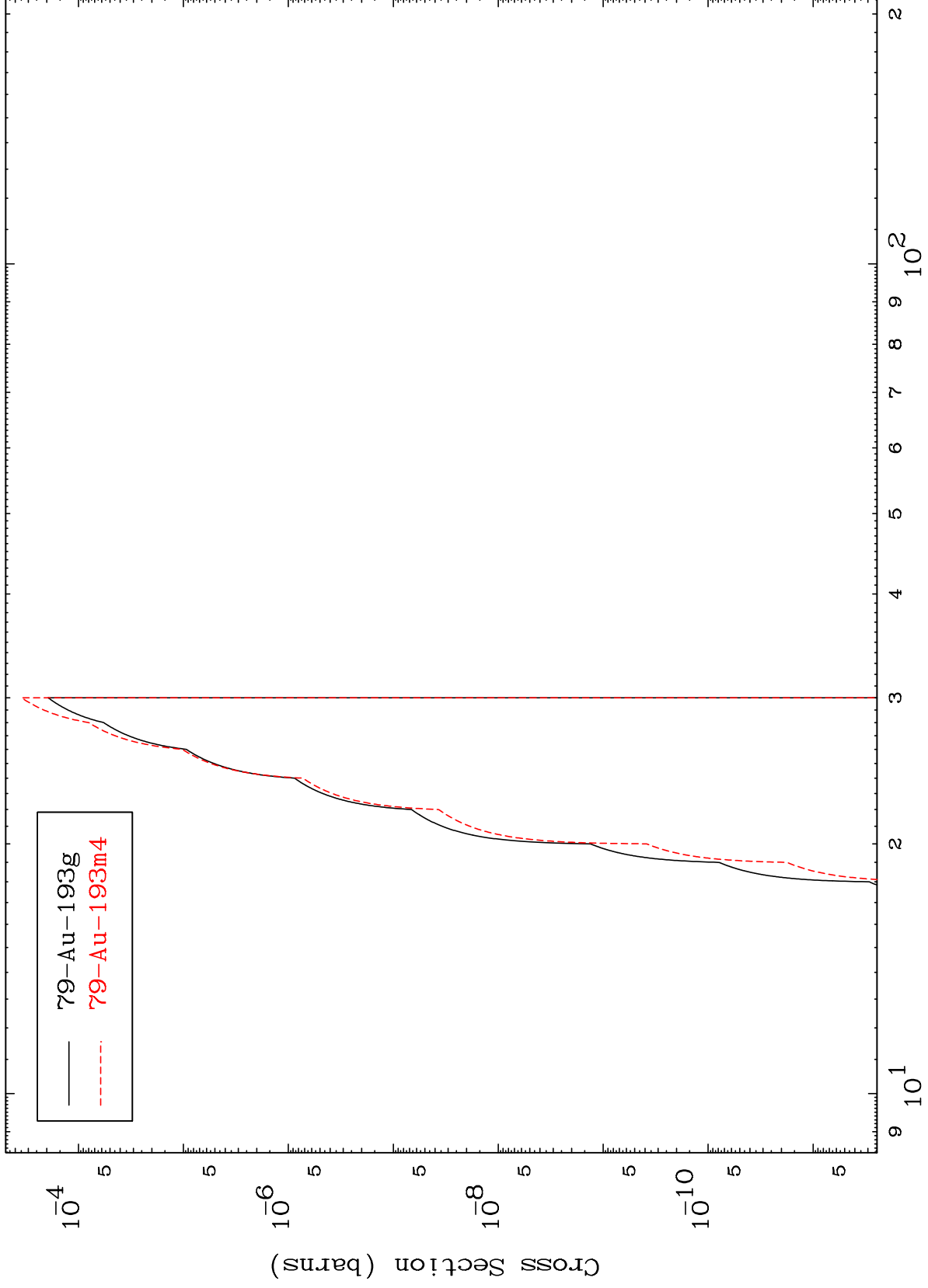
80-Hg-198

MAT 8031

(p,2n)  $\alpha$

80-Hg-198

Radionuclide Production Cross Section



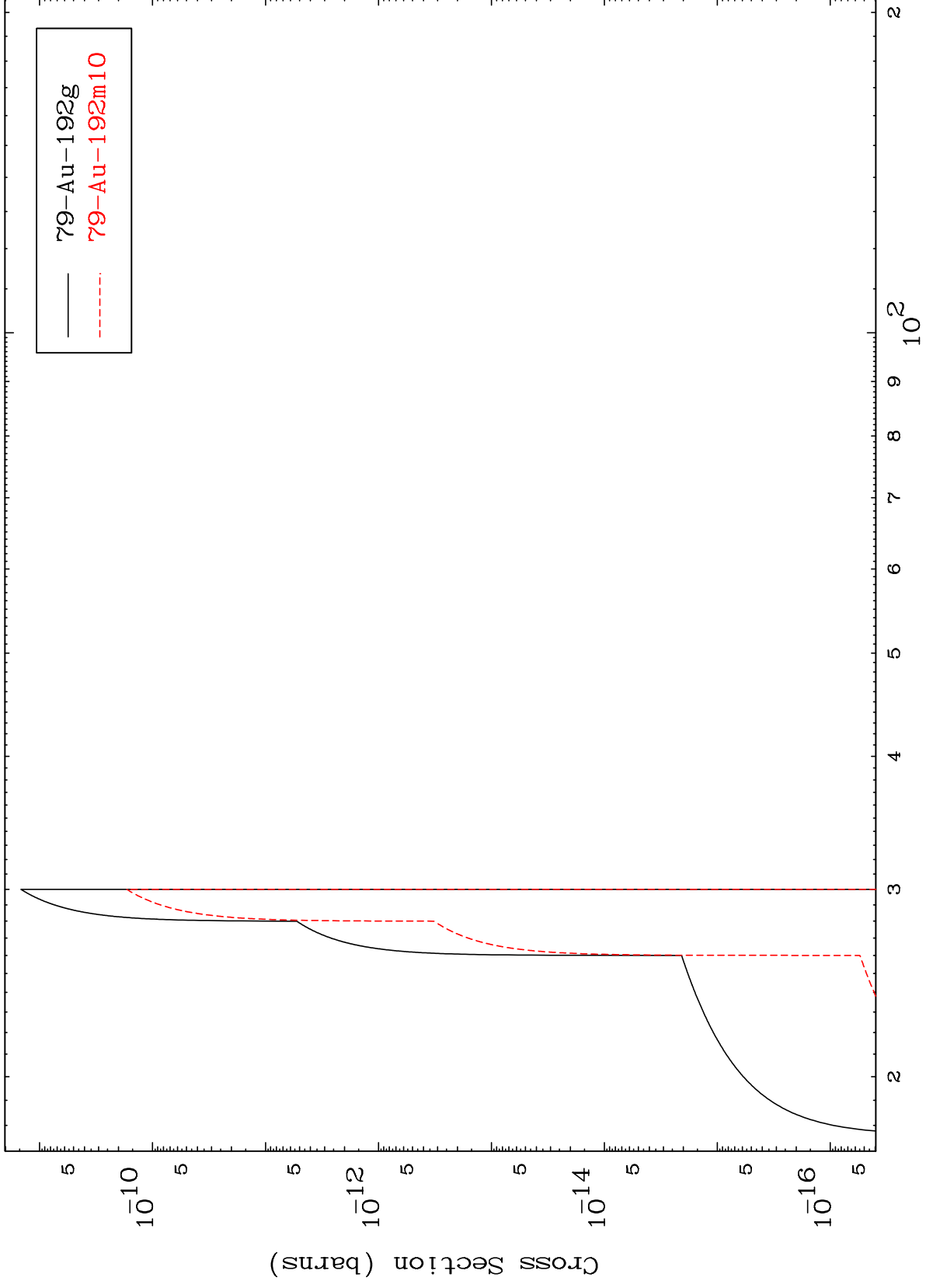
79-Au-193g  
79-Au-193m4

18

Incident Energy (MeV)

80-Hg-198

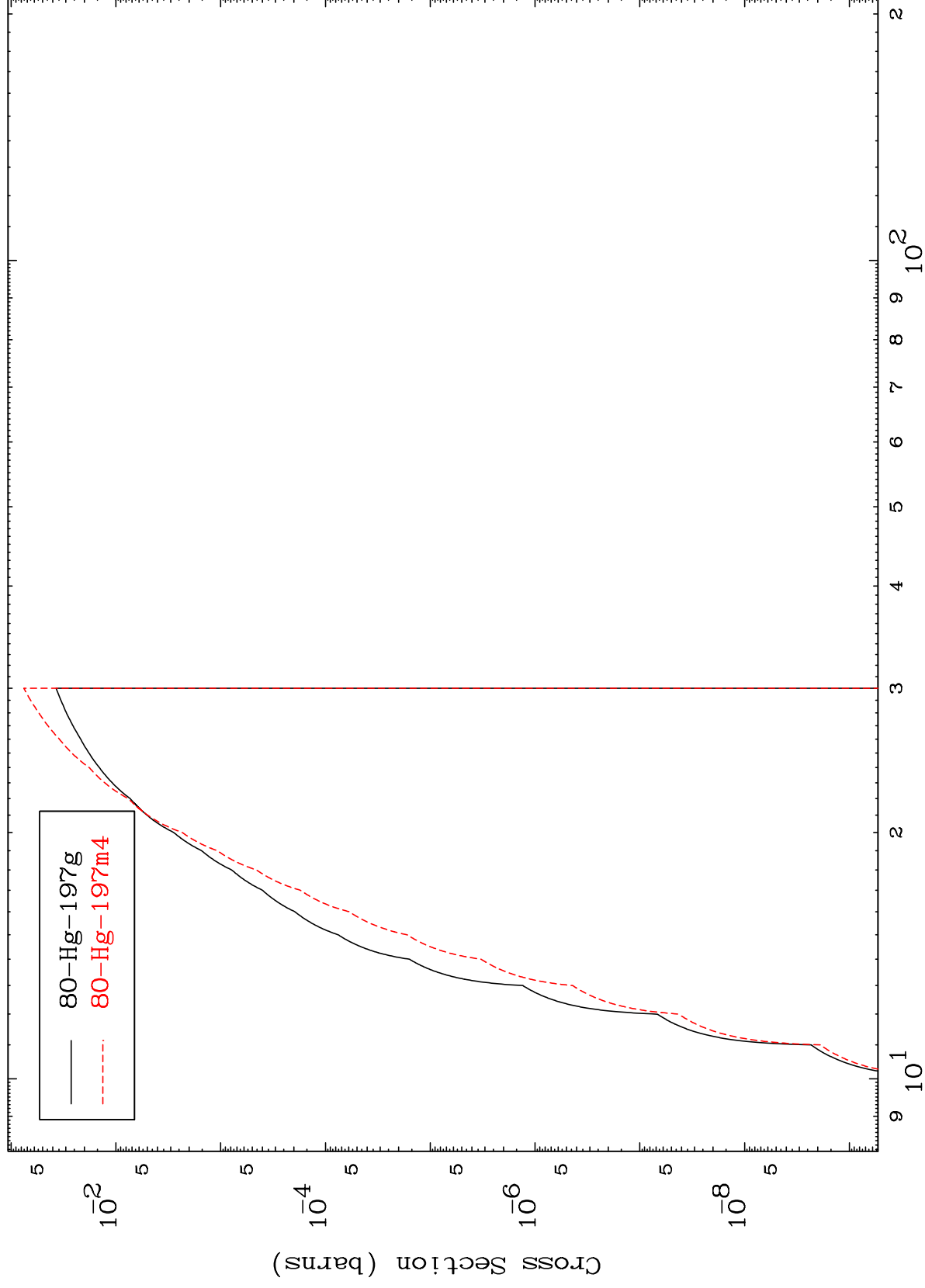
Radionuclide Production Cross Section



MAT 8031

80-Hg-198

(p,n') p  
Radionuclide Production Cross Section



80-Hg-198

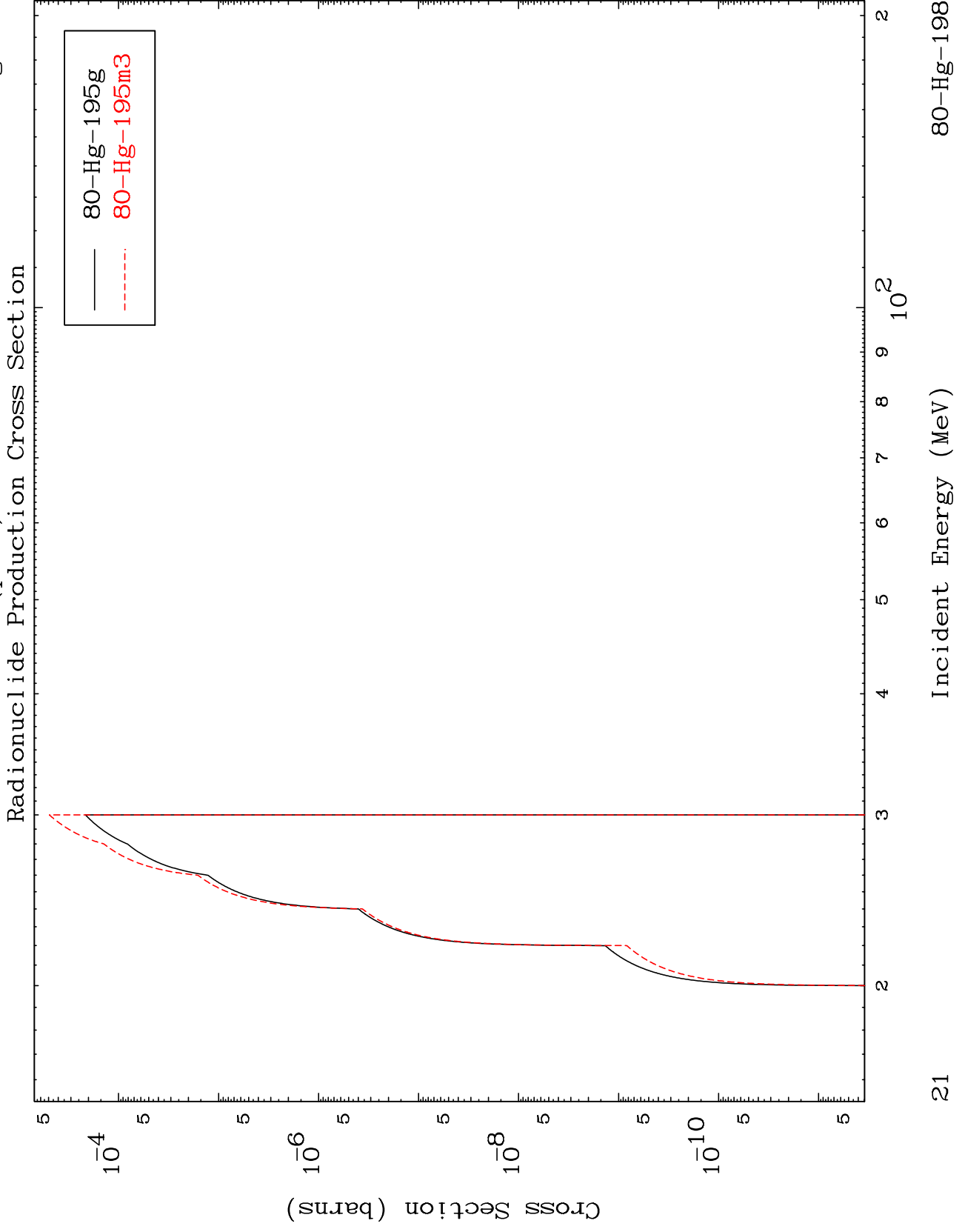
Incident Energy (MeV)

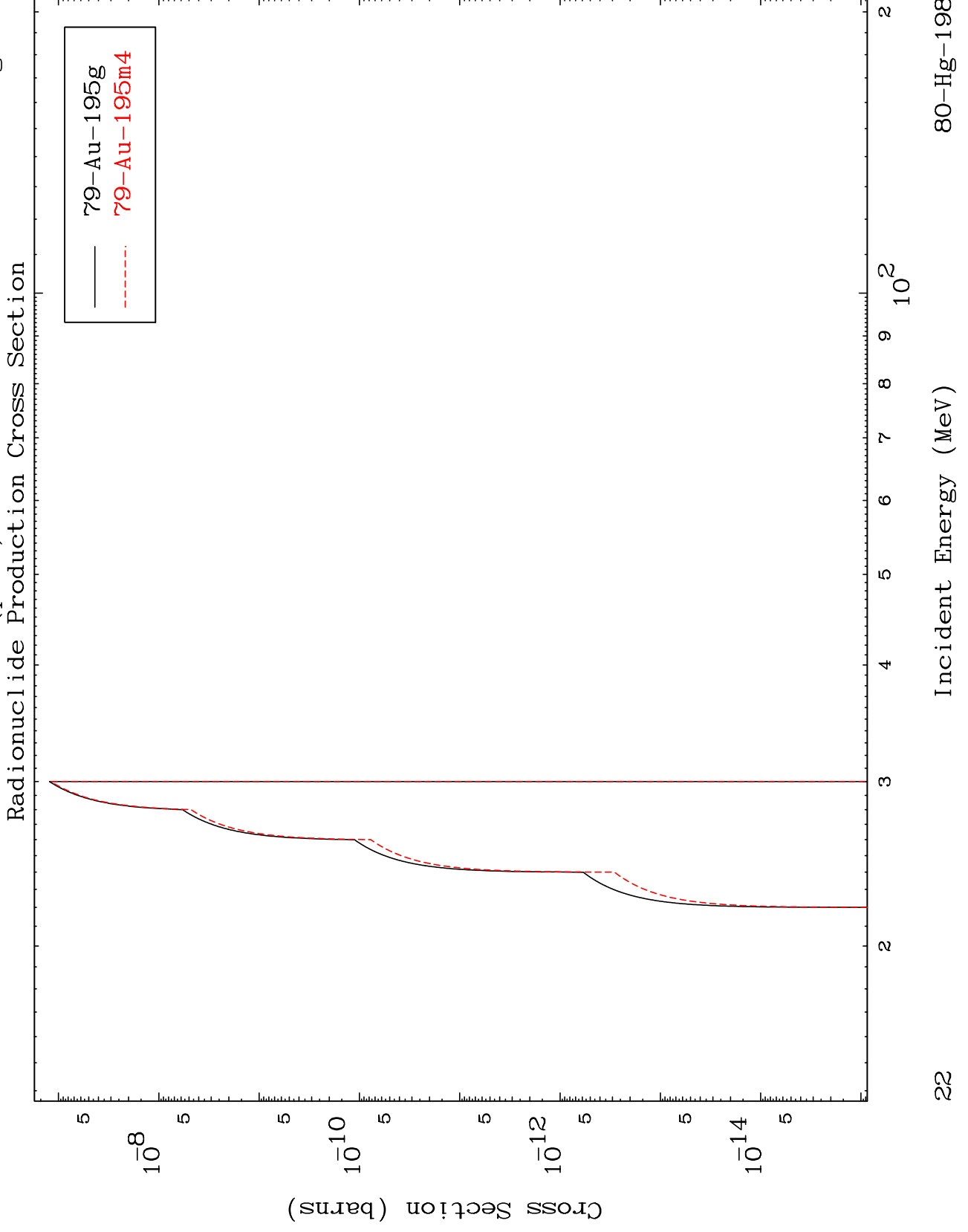
20

MAT 8031

(p,n') t

80-Hg-198

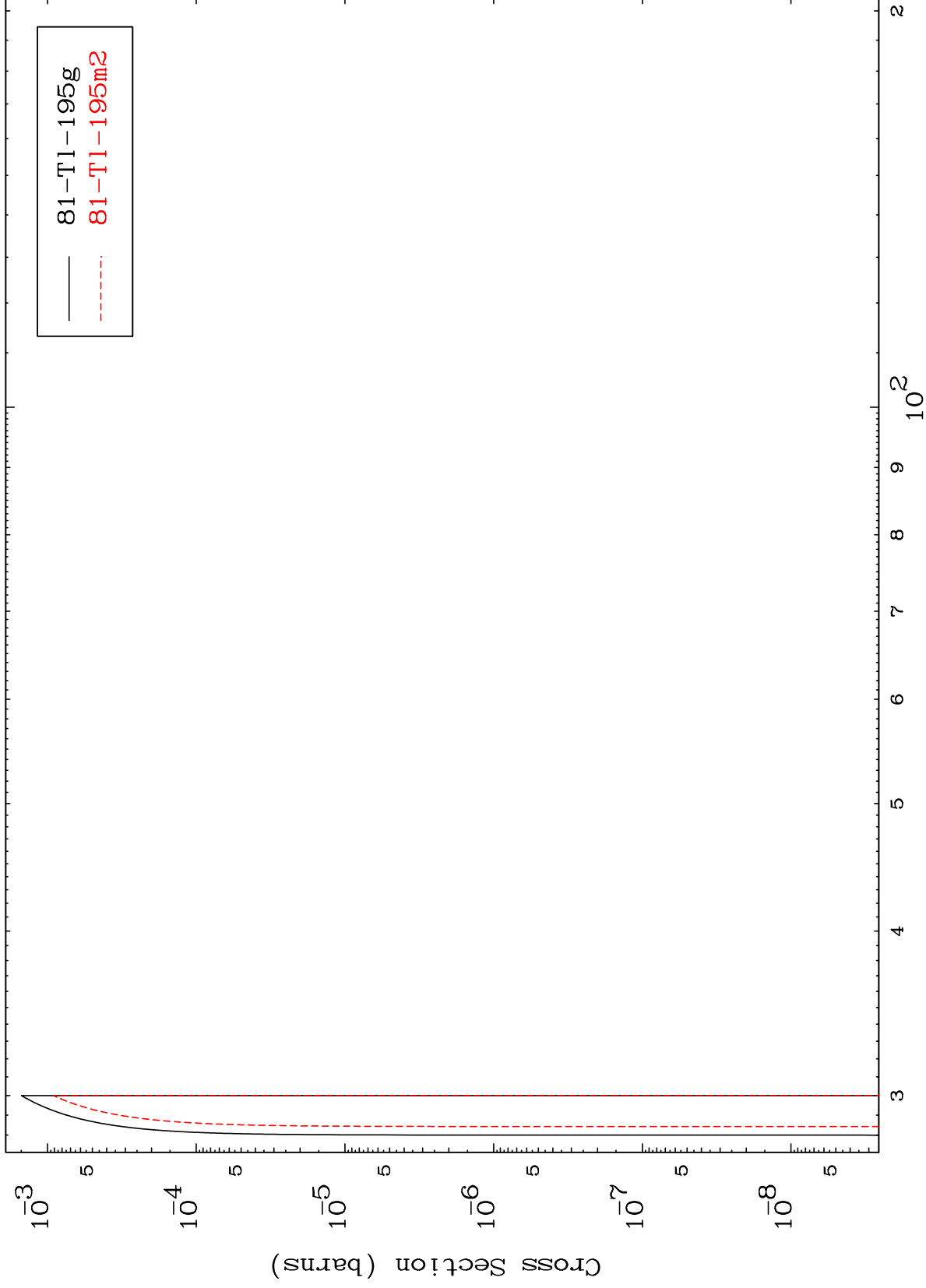




MAT 8031

80-Hg-198

(p,4n)  
Radionuclide Production Cross Section



80-Hg-198

Incident Energy (MeV)

23

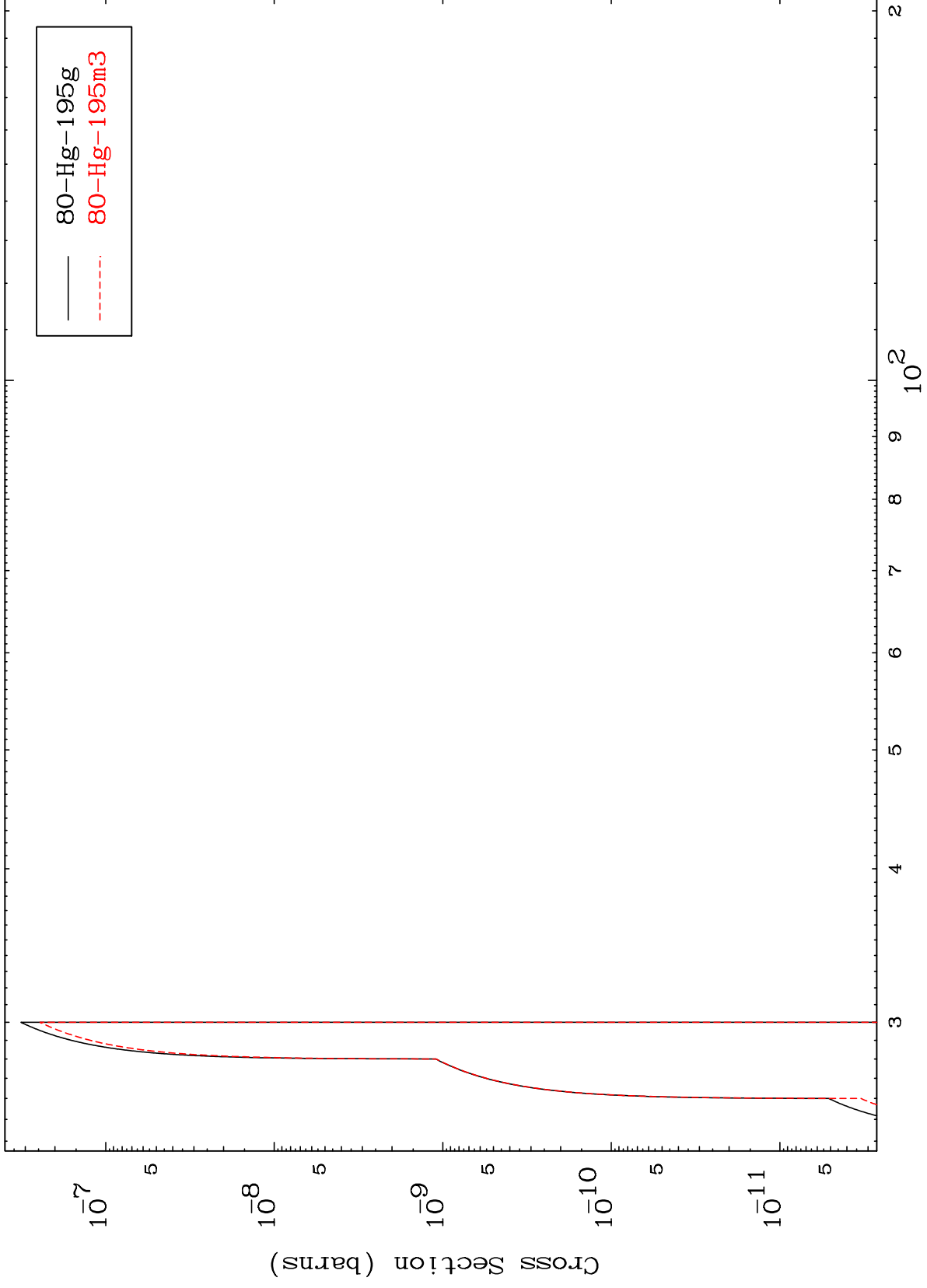


MAT 8031

(p,3n) p

80-Hg-198

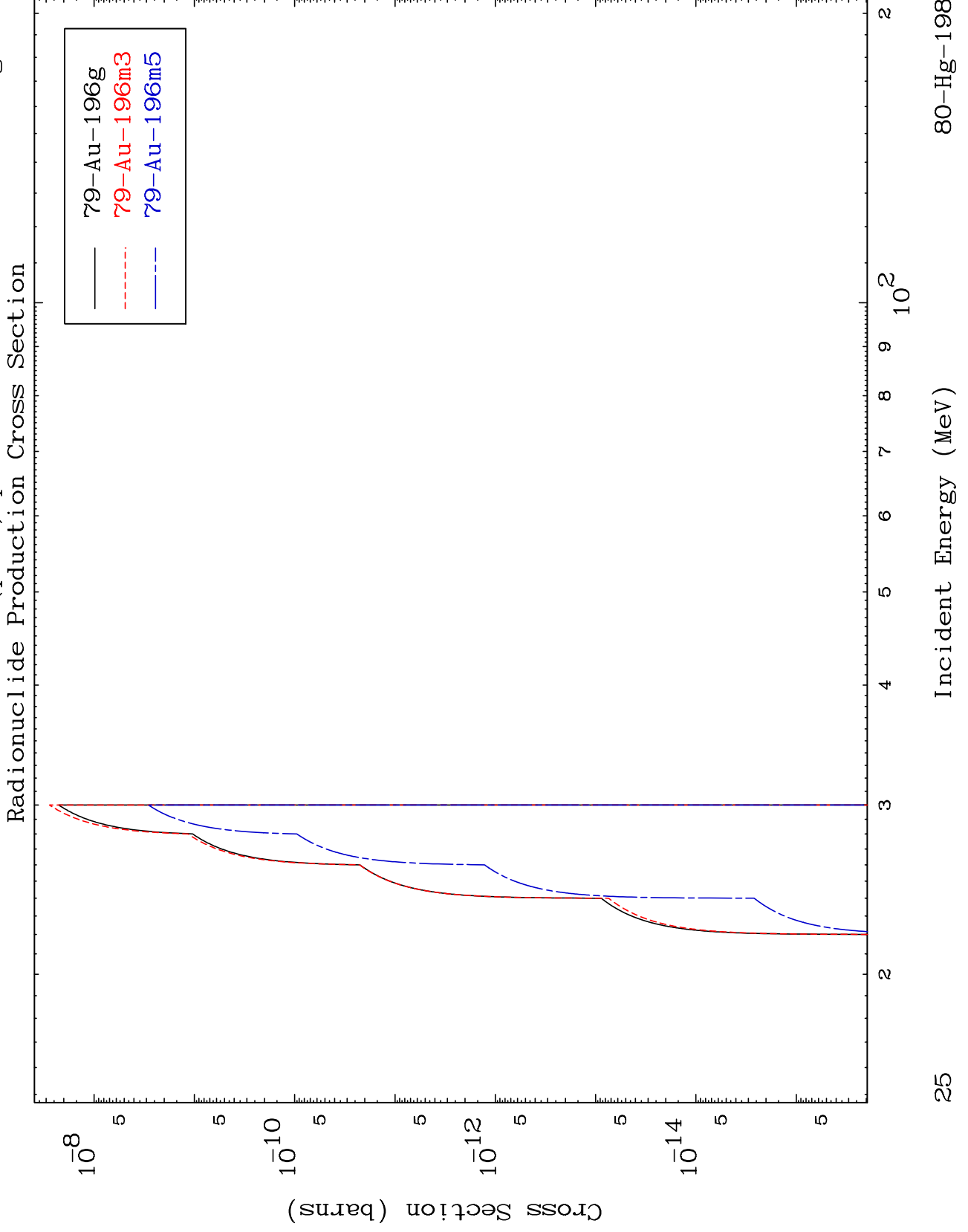
Radionuclide Production Cross Section



24

Incident Energy (MeV)

80-Hg-198

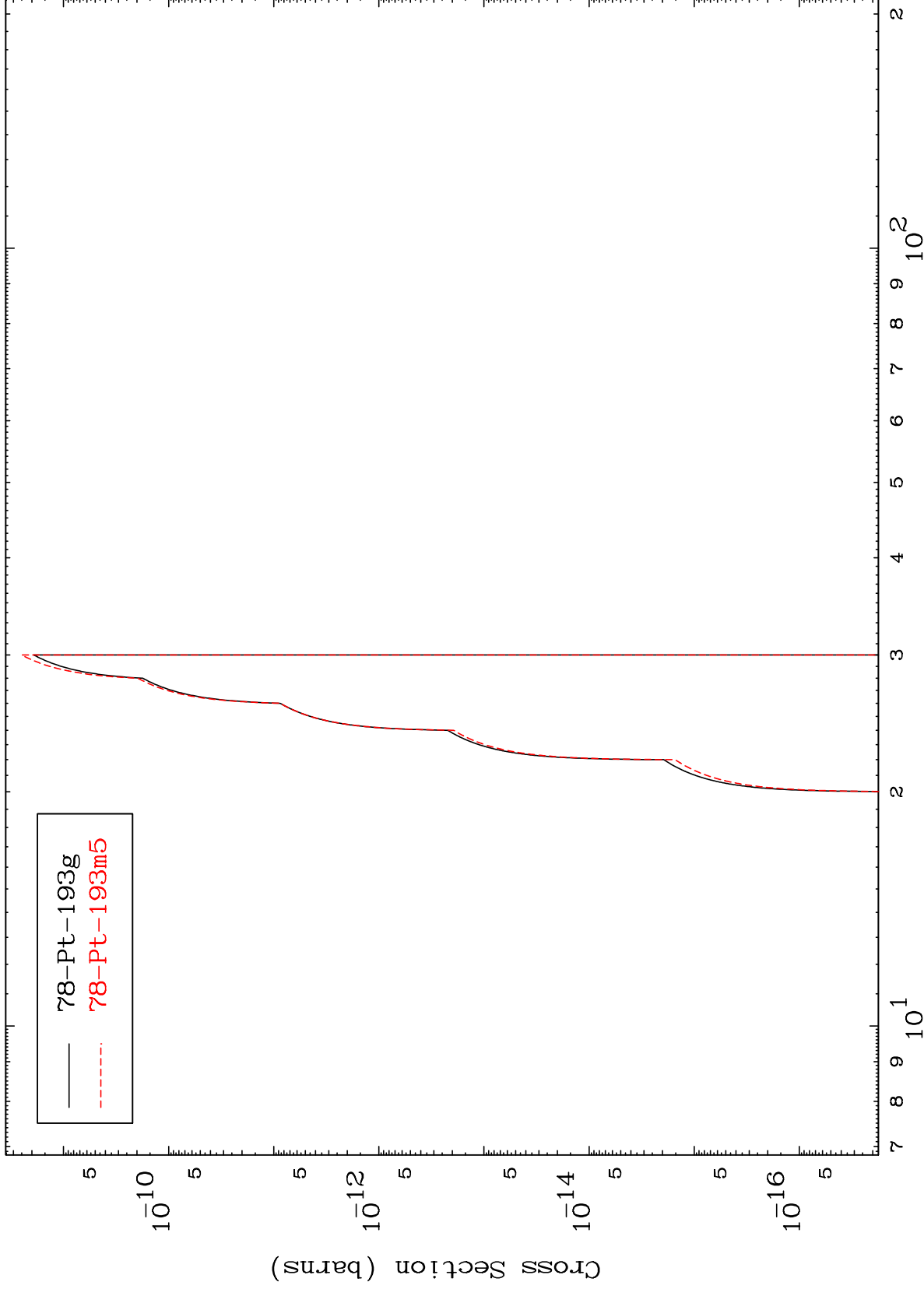


MAT 8031

(p,n') p  $\alpha$

80-Hg-198

Radionuclide Production Cross Section



26

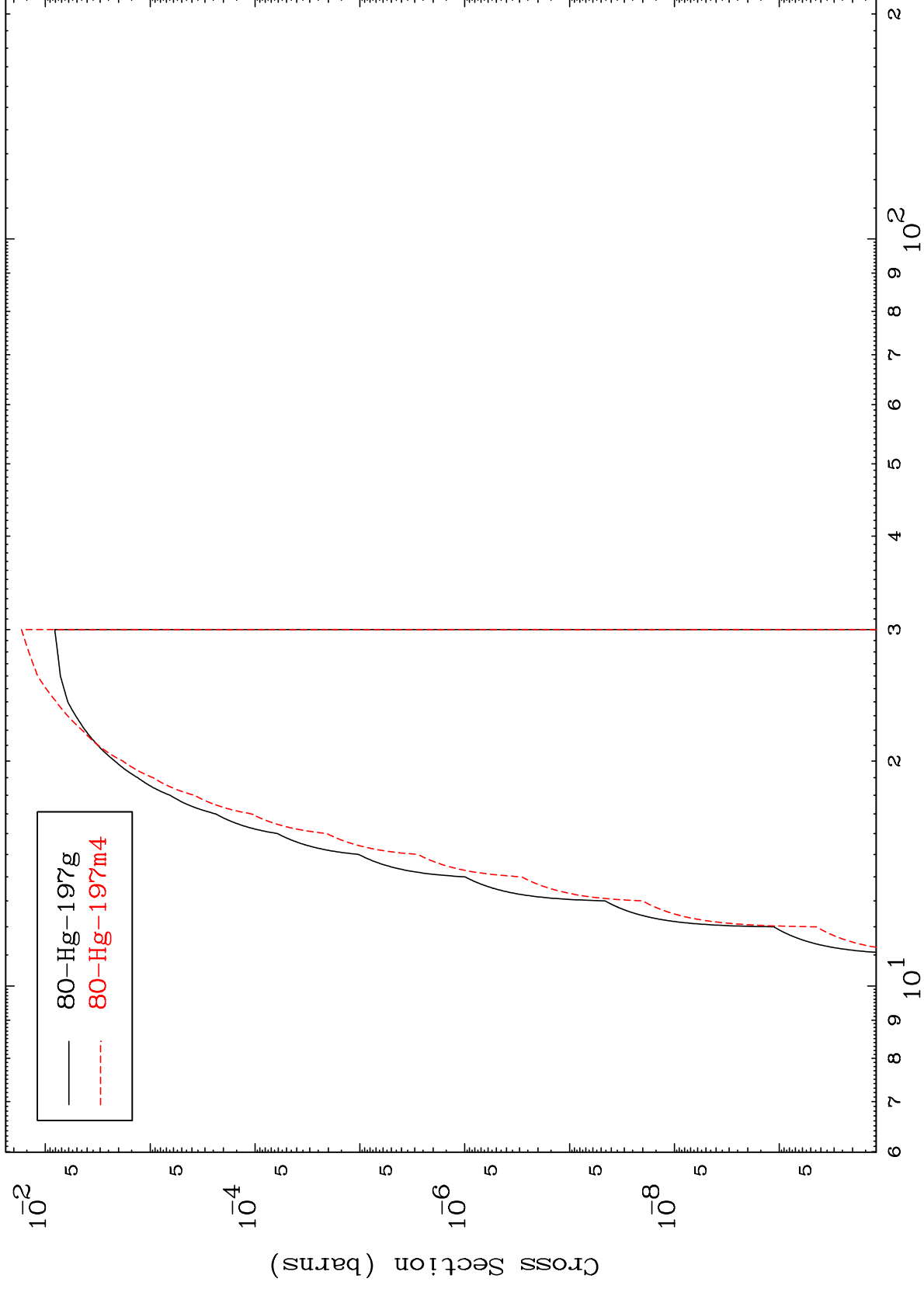
Incident Energy (MeV)

80-Hg-198

MAT 8031

80-Hg-198

(p,d)  
Radionuclide Production Cross Section



27

Incident Energy (MeV)

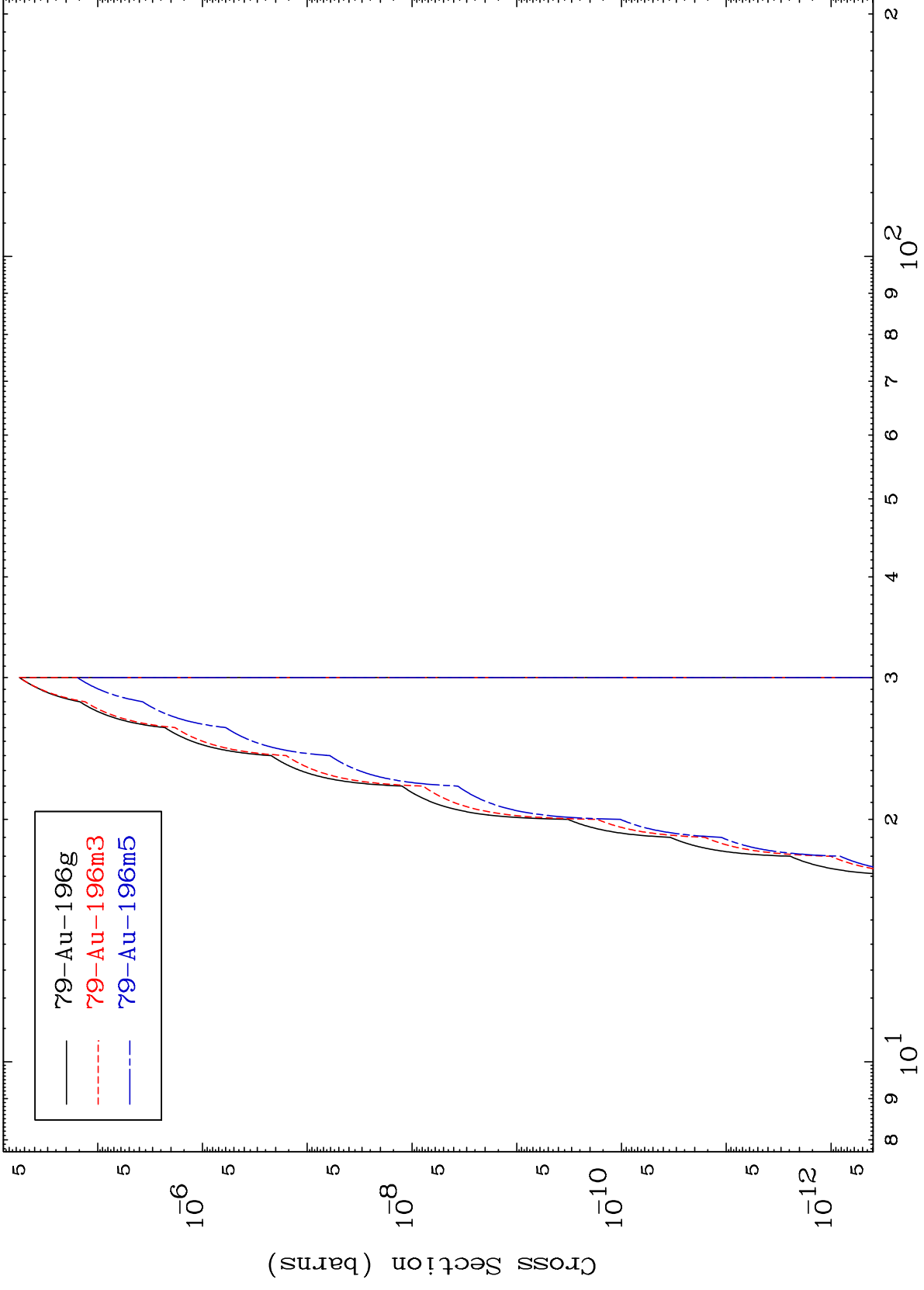
80-Hg-198

MAT 8031

(p,He-3)

80-Hg-198

Radionuclide Production Cross Section



28

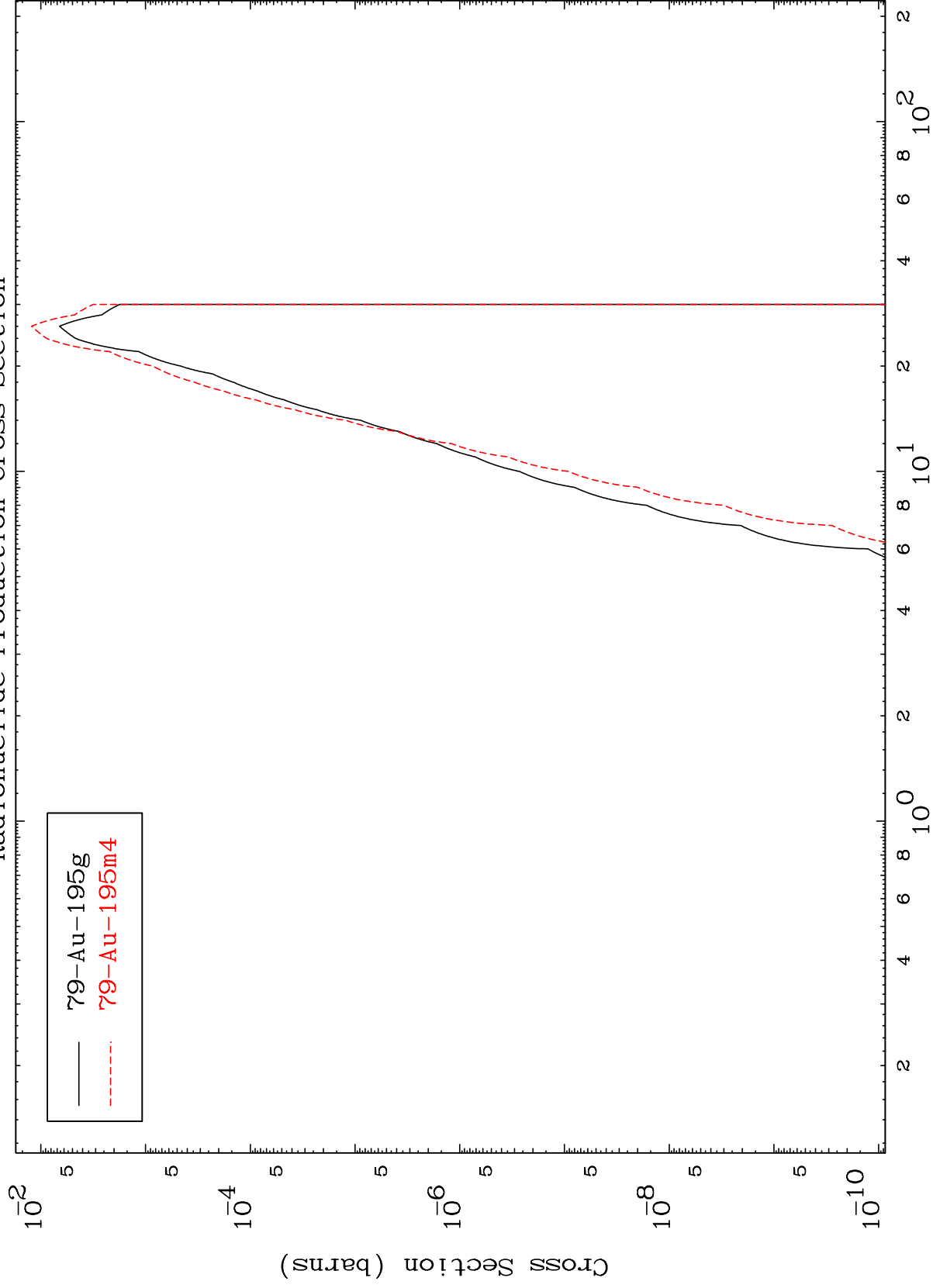
Incident Energy (MeV)

80-Hg-198

MAT 8031

80-Hg-198

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



29

Incident Energy (MeV)

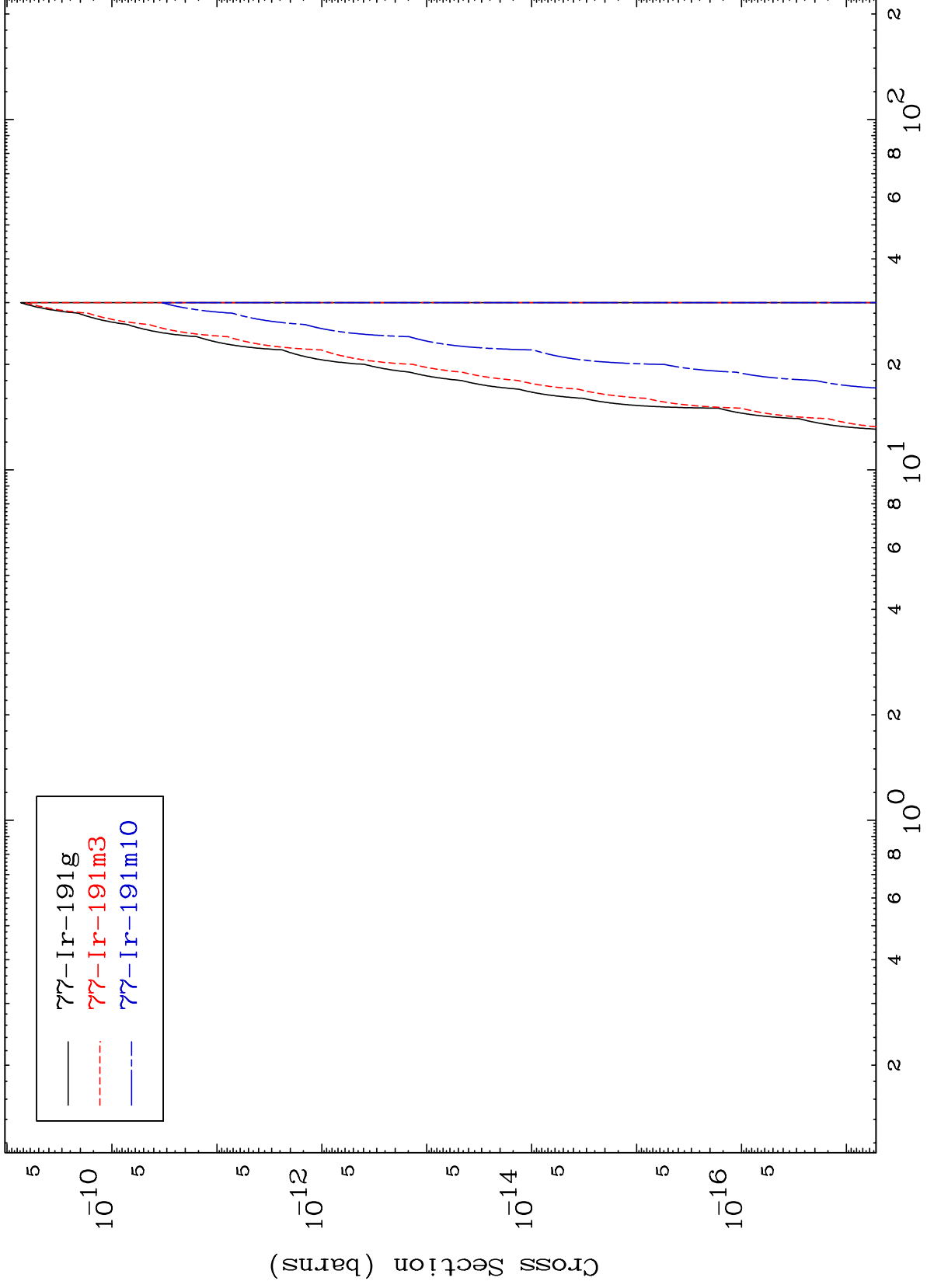
80-Hg-198

MAT 8031

(p,2 $\alpha$ )

80-Hg-198

Radionuclide Production Cross Section



30

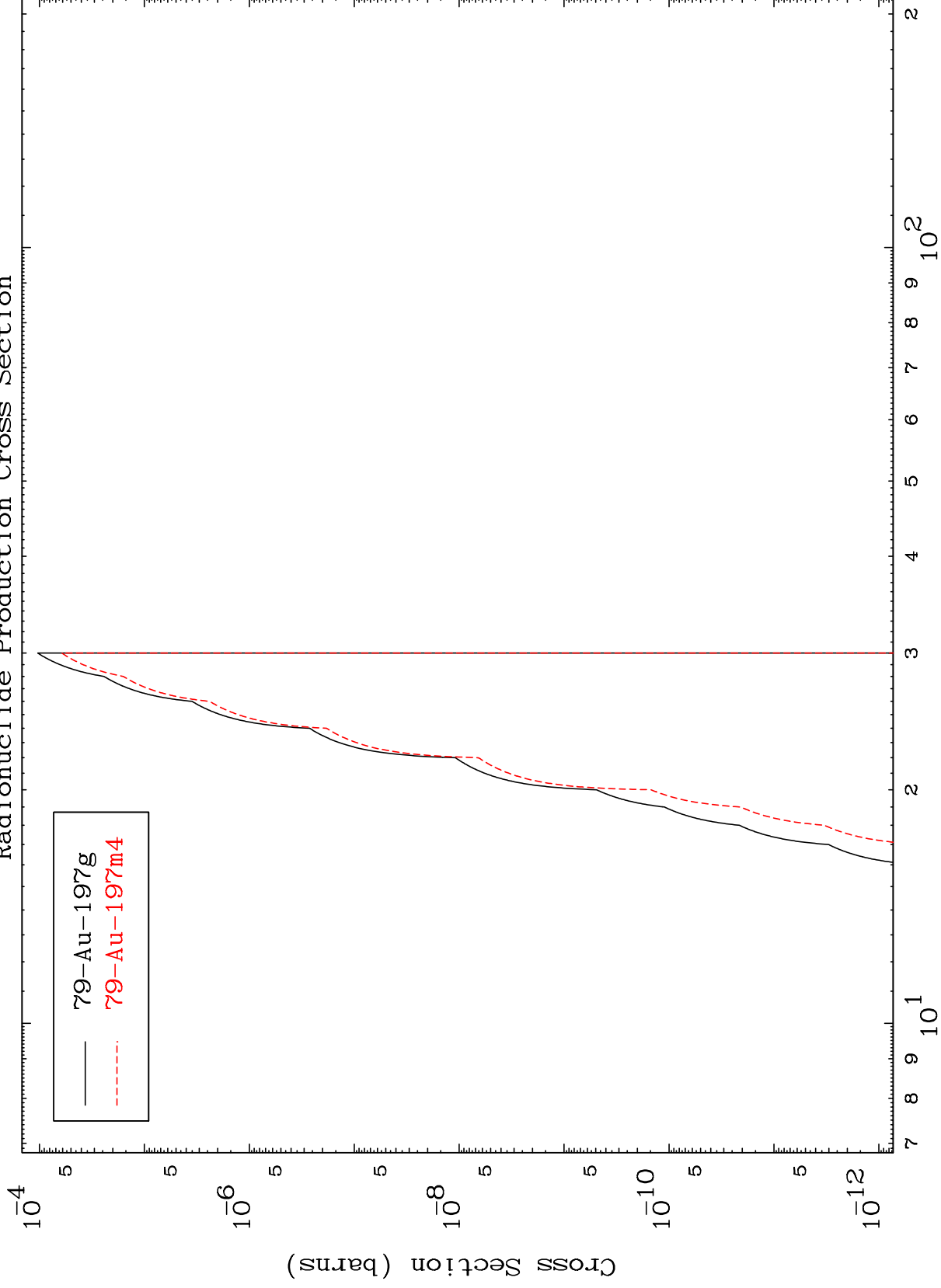
Incident Energy (MeV)

80-Hg-198

MAT 8031

80-Hg-198

(p,2p)  
Radionuclide Production Cross Section



31

Incident Energy (MeV)

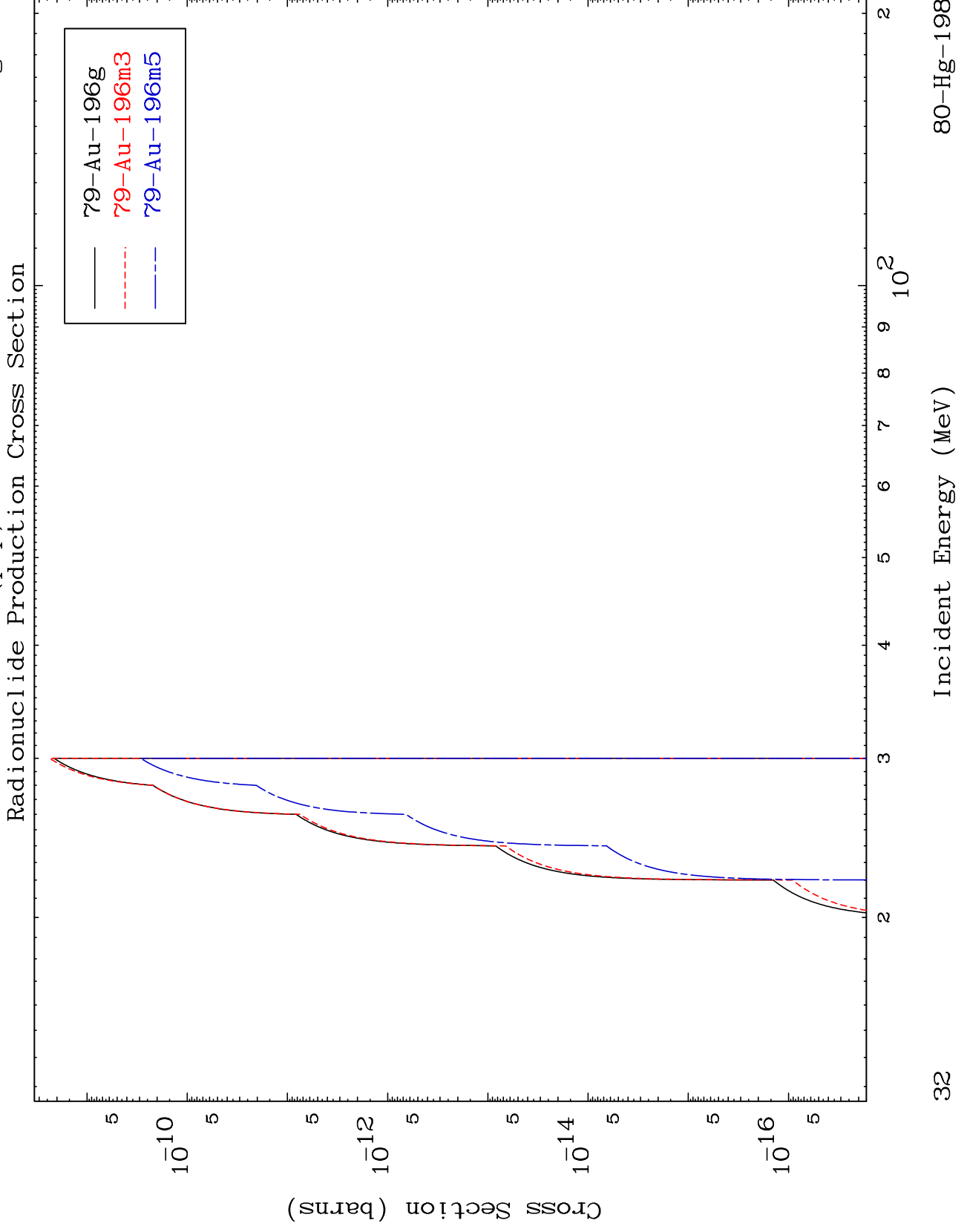
80-Hg-198



MAT 8031

(p,p) d

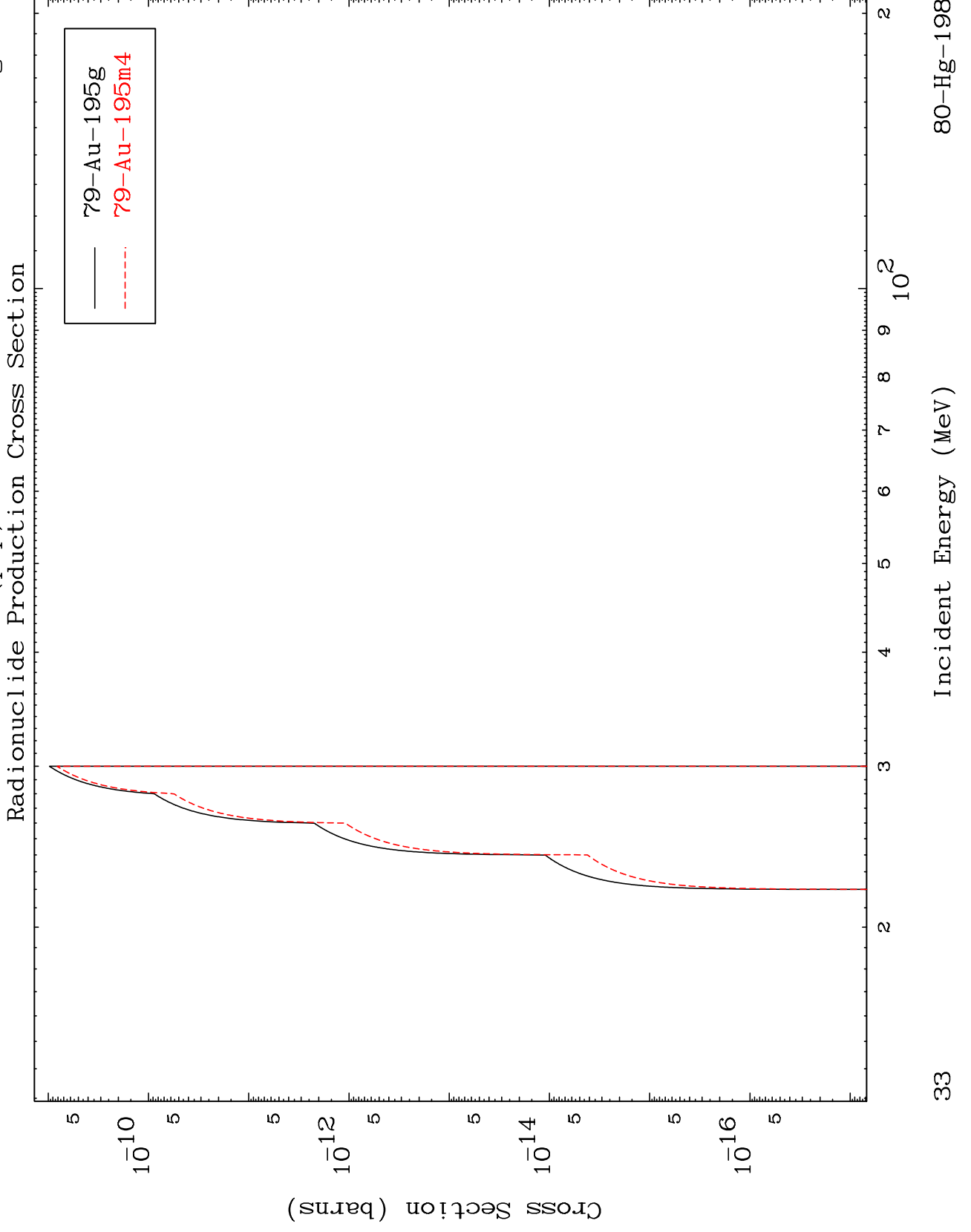
80-Hg-198



MAT 8031

(p,p) t

80-Hg-198



33