

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](mailto:redcullen1@comcast.net)

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

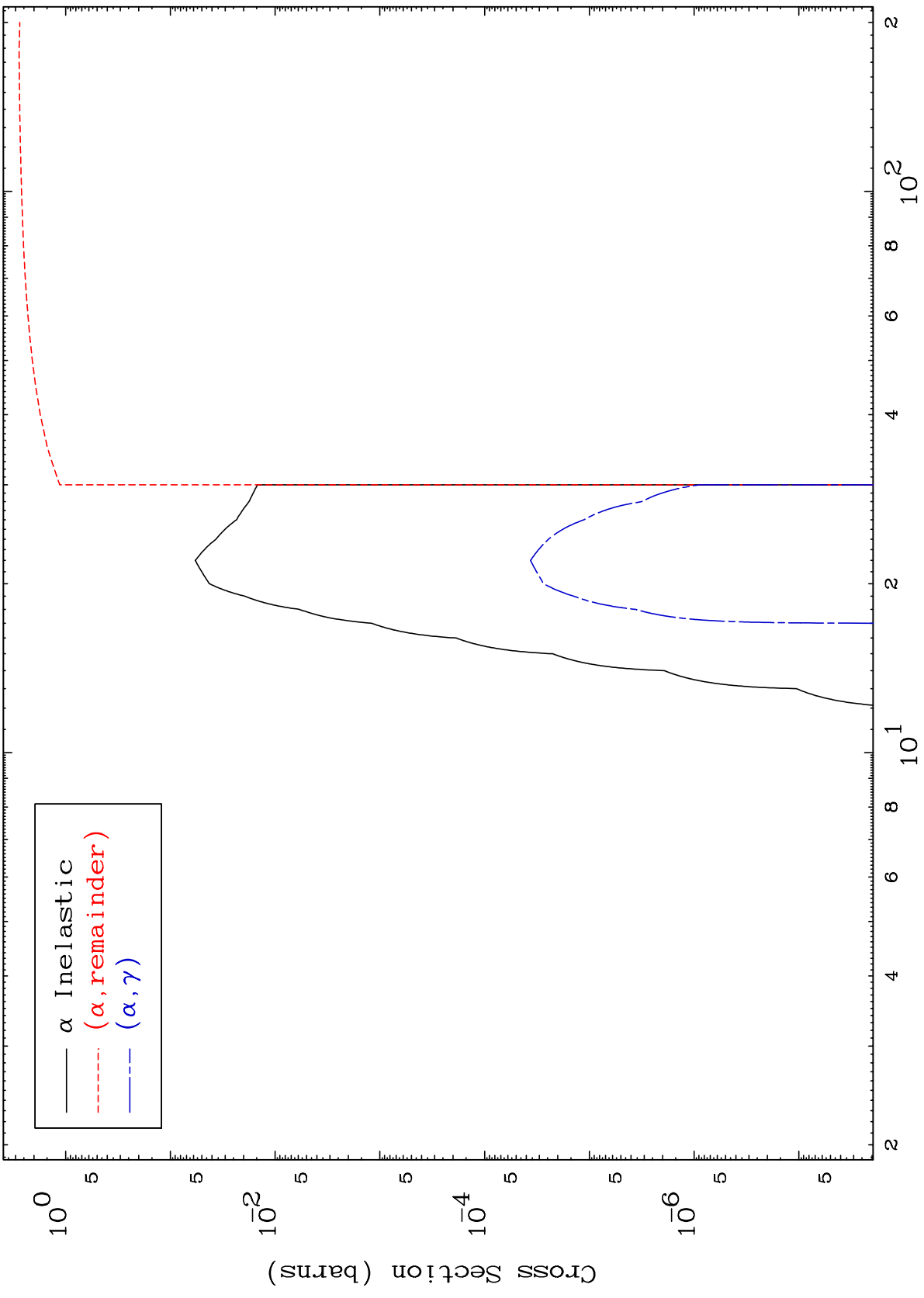
Press Mouse Button to Start

MAT 8037

$\alpha$  Major

80-Hg-200

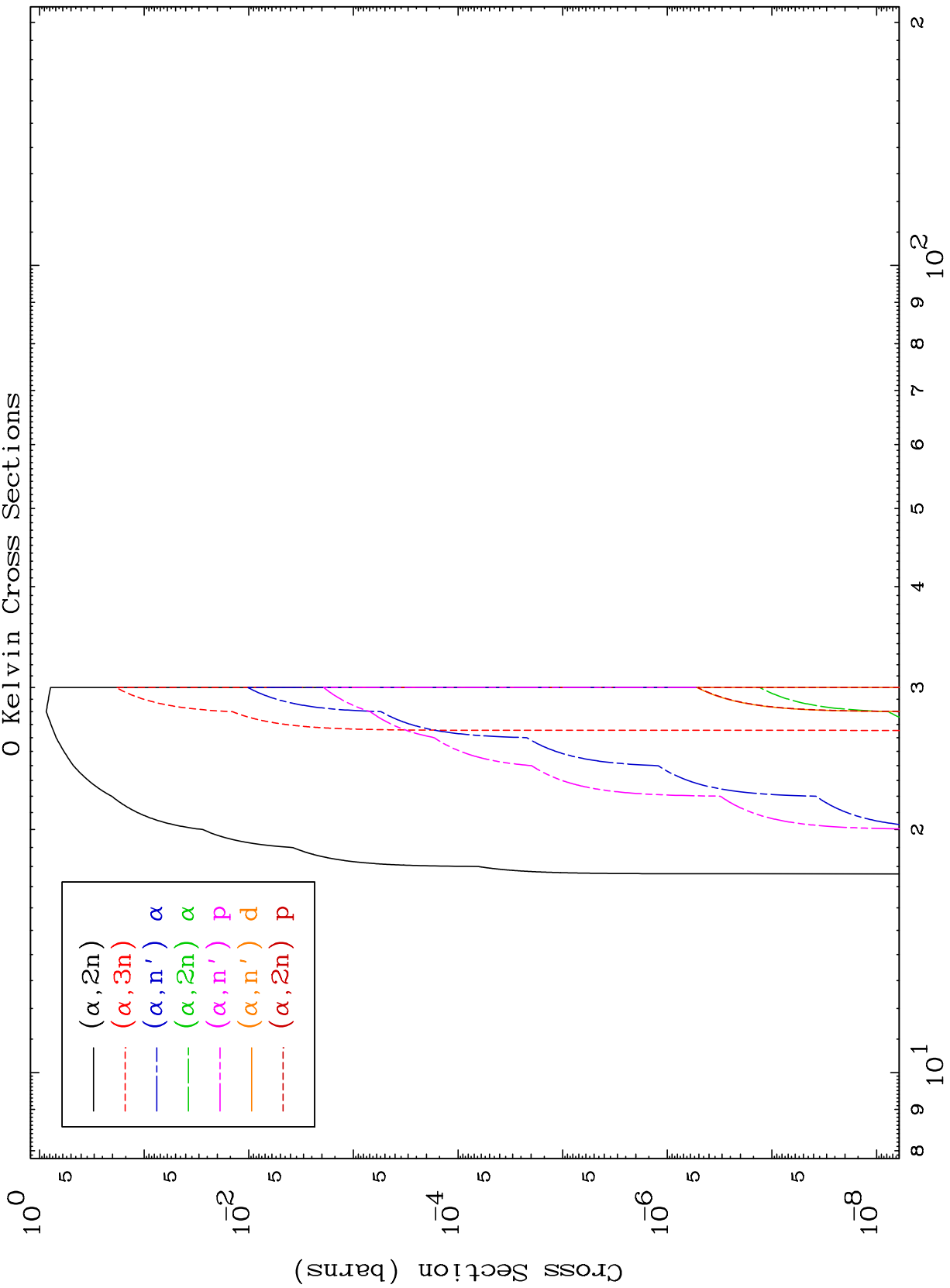
0 Kelvin Cross Sections



MAT 8037

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

80-Hg-200



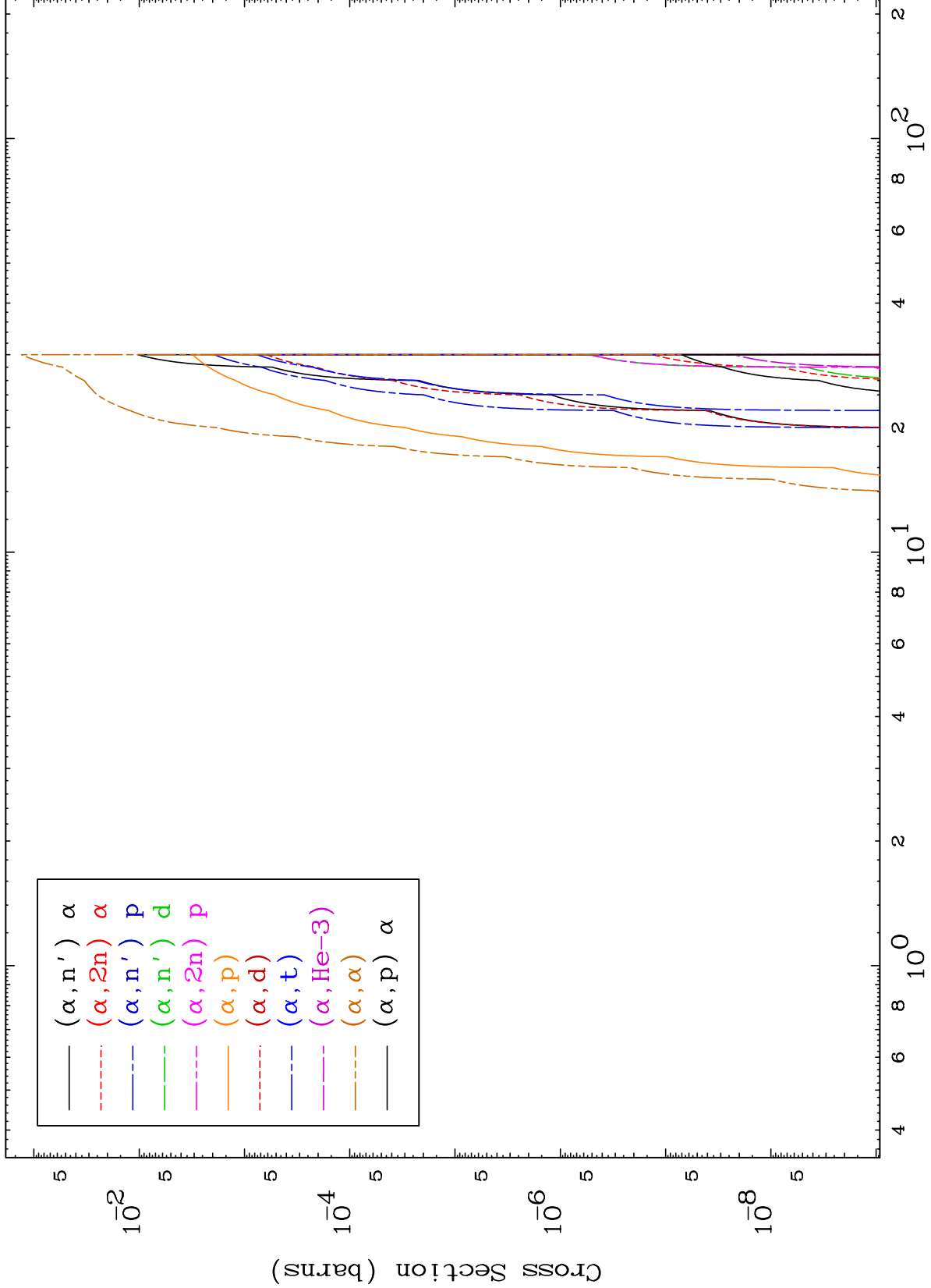
Incident Energy (MeV)

80-Hg-200

MAT 8037

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

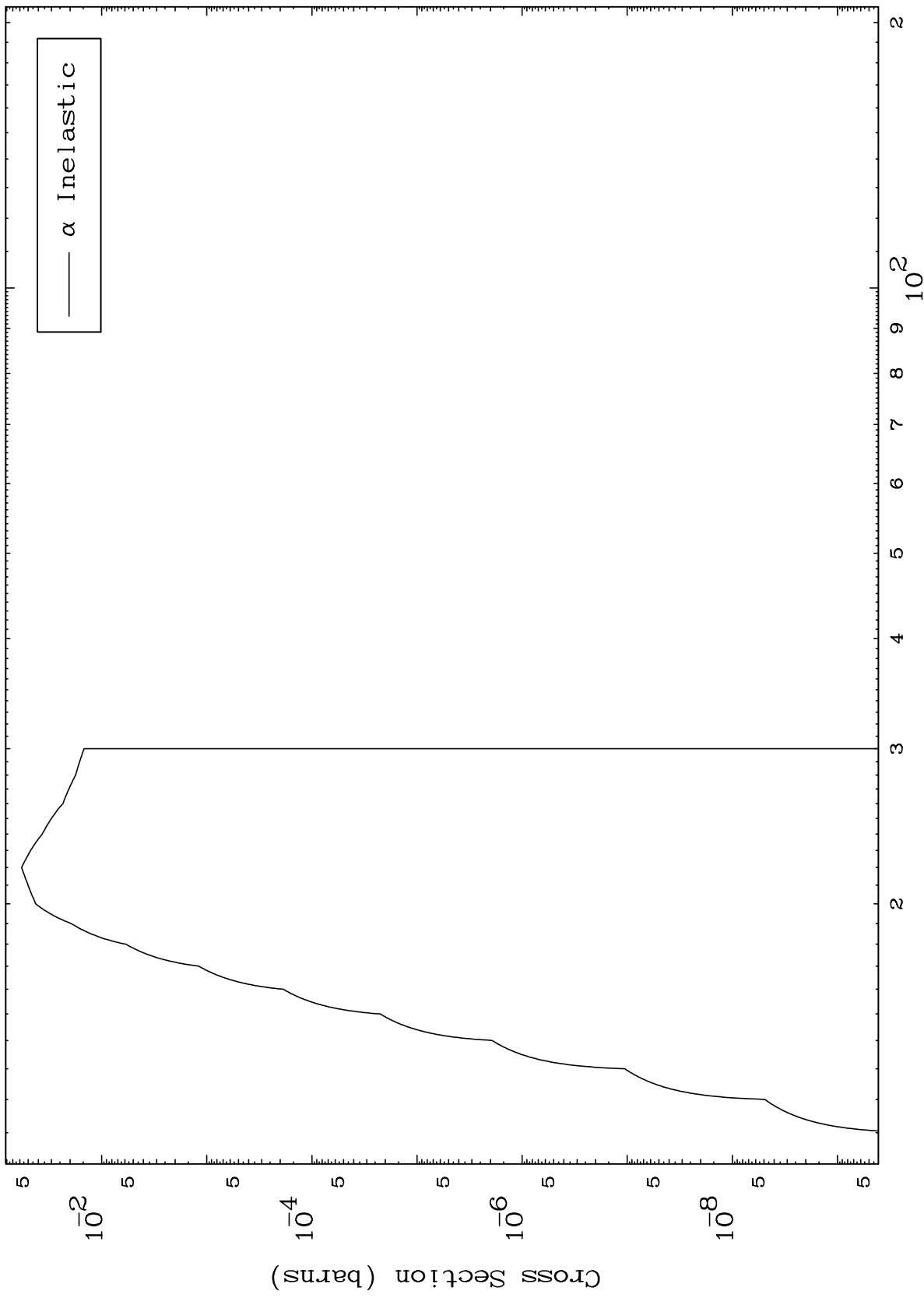
80-Hg-200



MAT 8037

80-Hg-200

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections



80-Hg-200

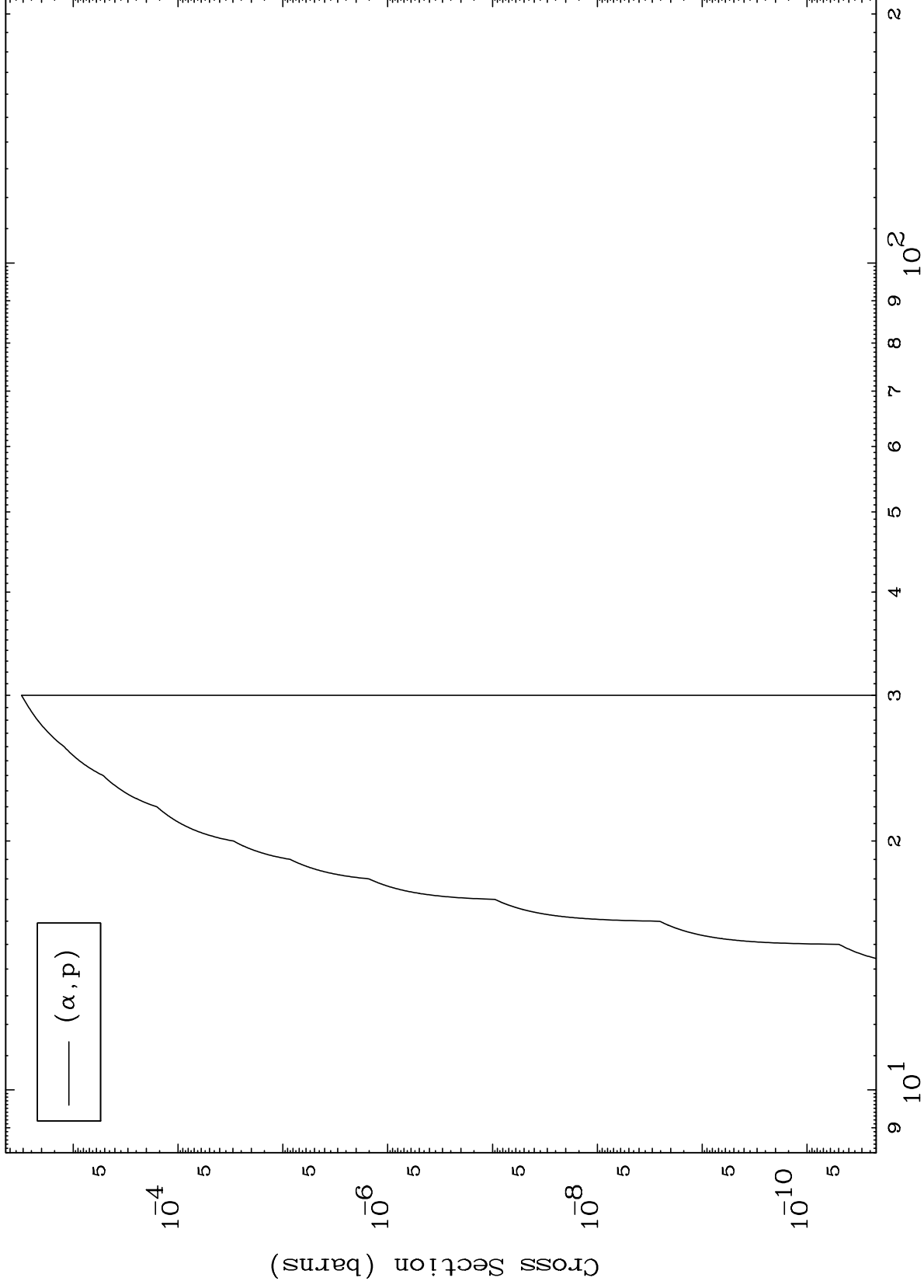
Incident Energy (MeV)

4

MAT 8037

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

80-Hg-200



Incident Energy (MeV)

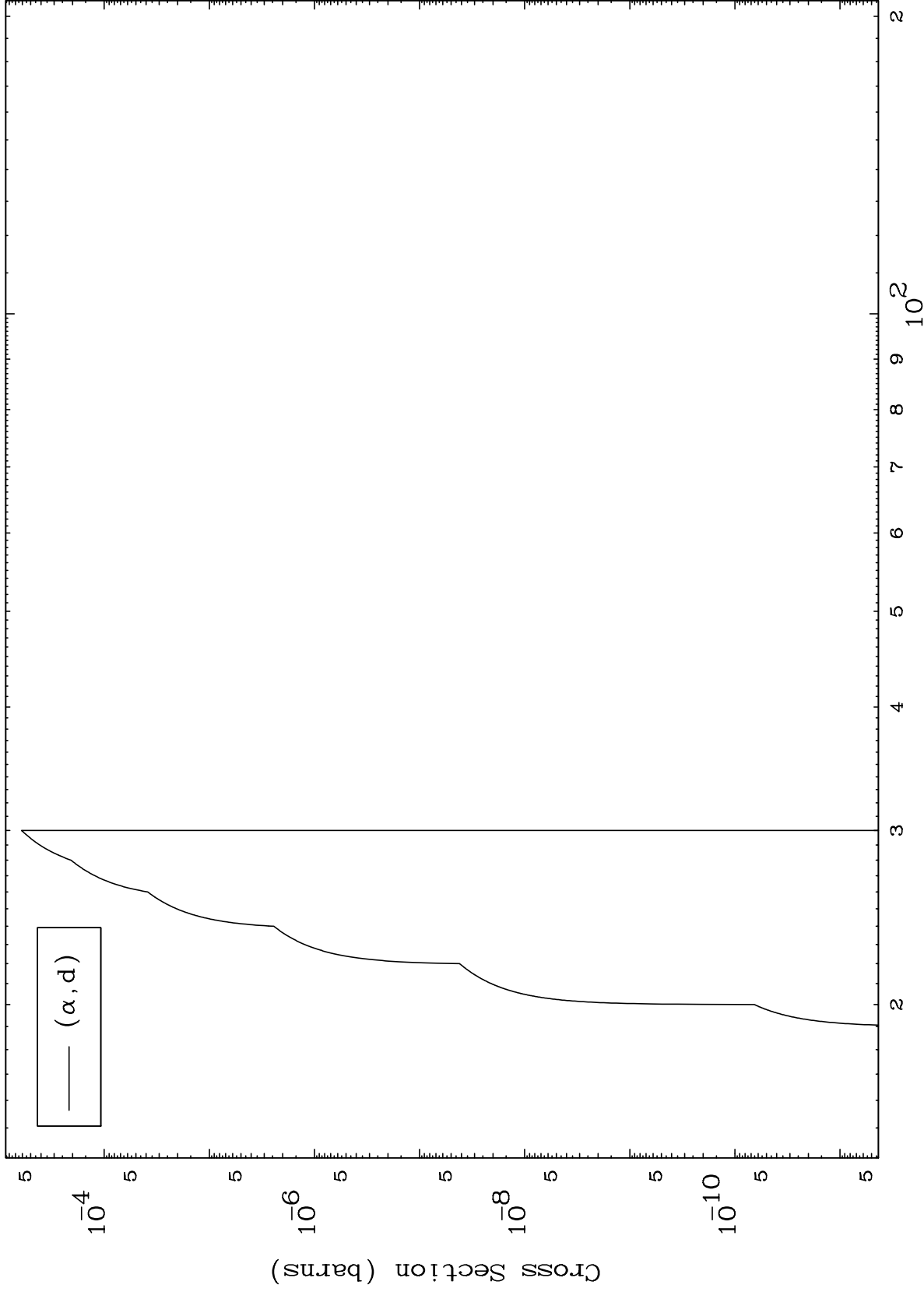
80-Hg-200

5

MAT 8037

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

80-Hg-200



6

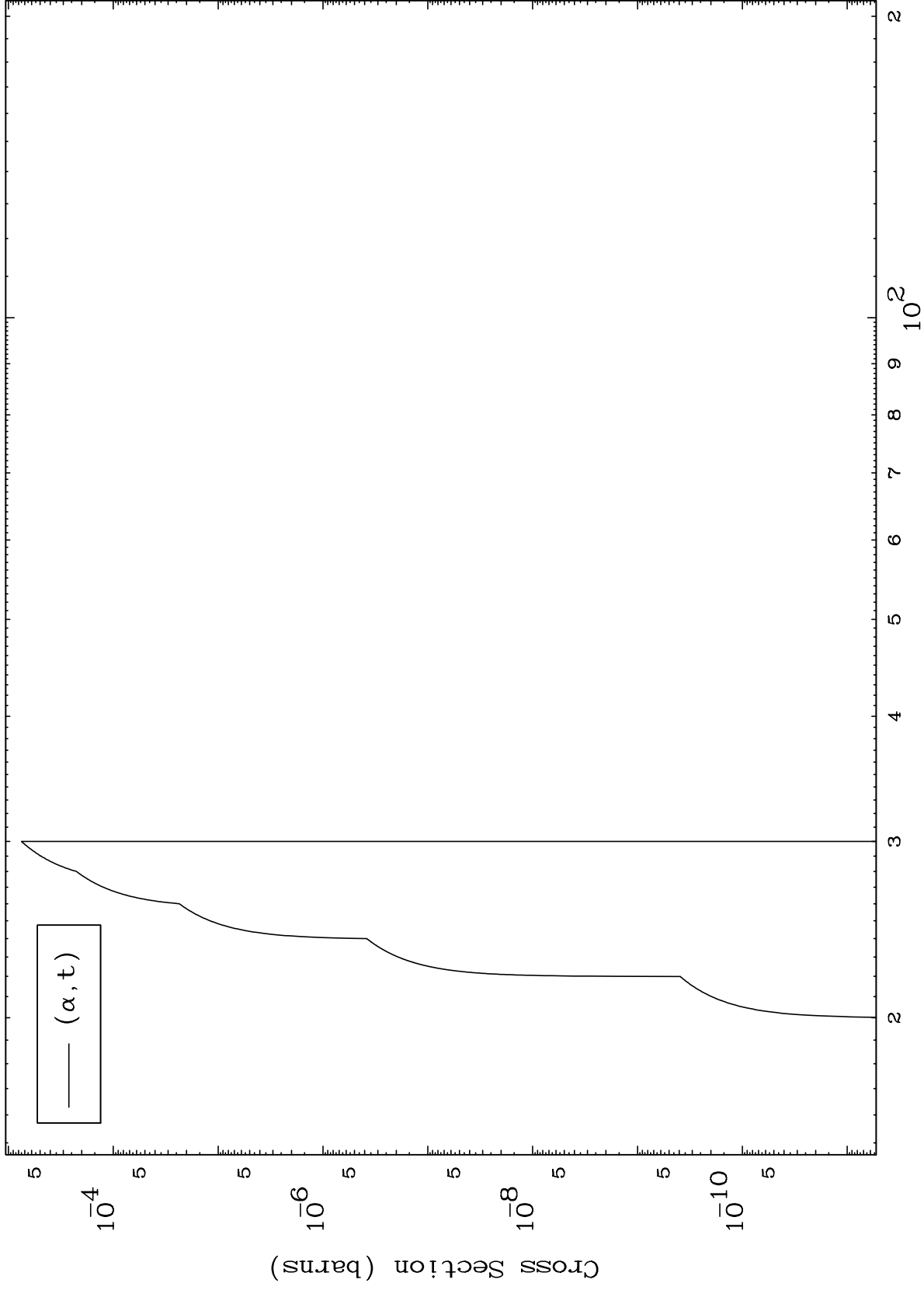
Incident Energy (MeV)

80-Hg-200

MAT 8037

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

80-Hg-200

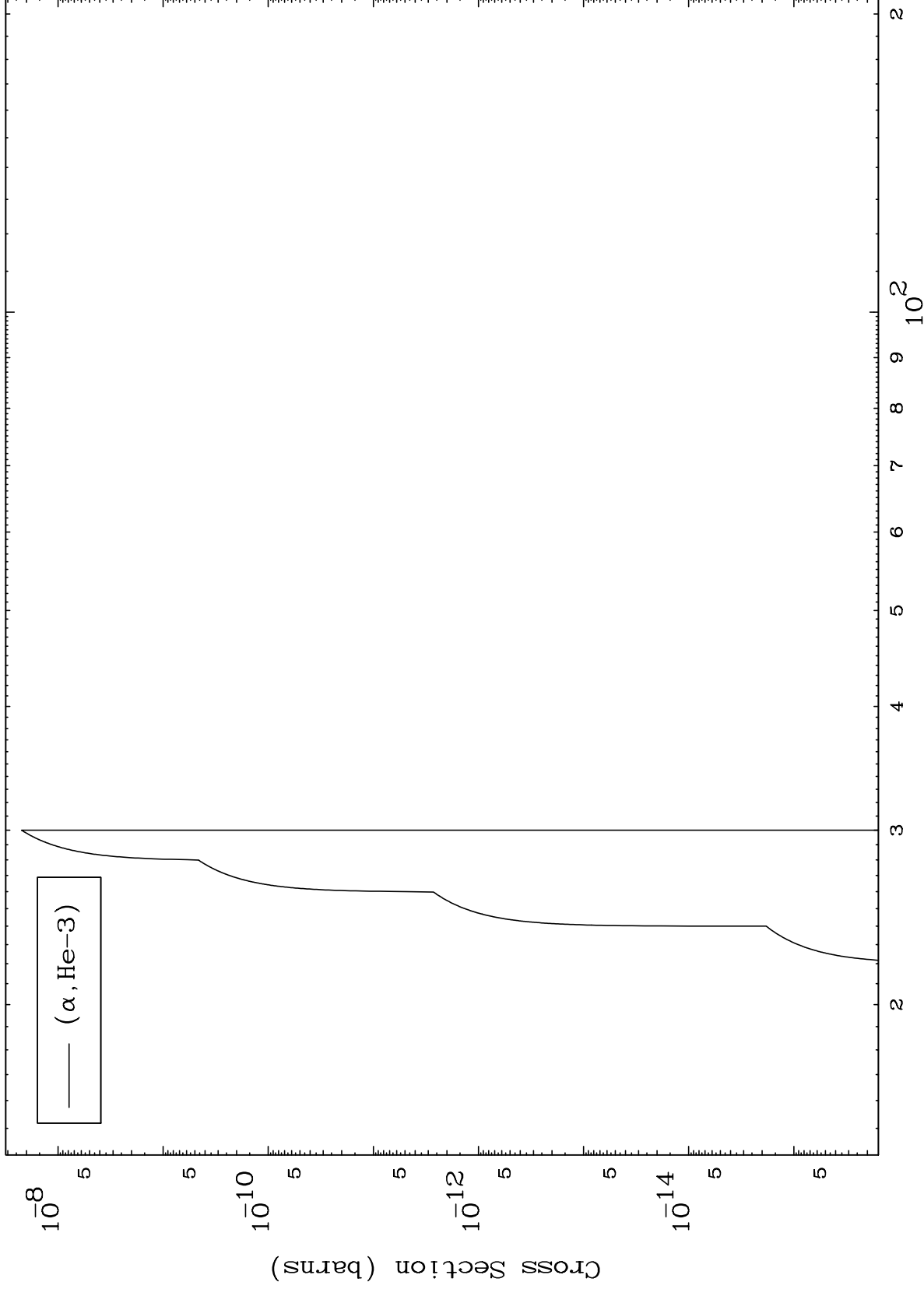


7

Incident Energy (MeV)

80-Hg-200

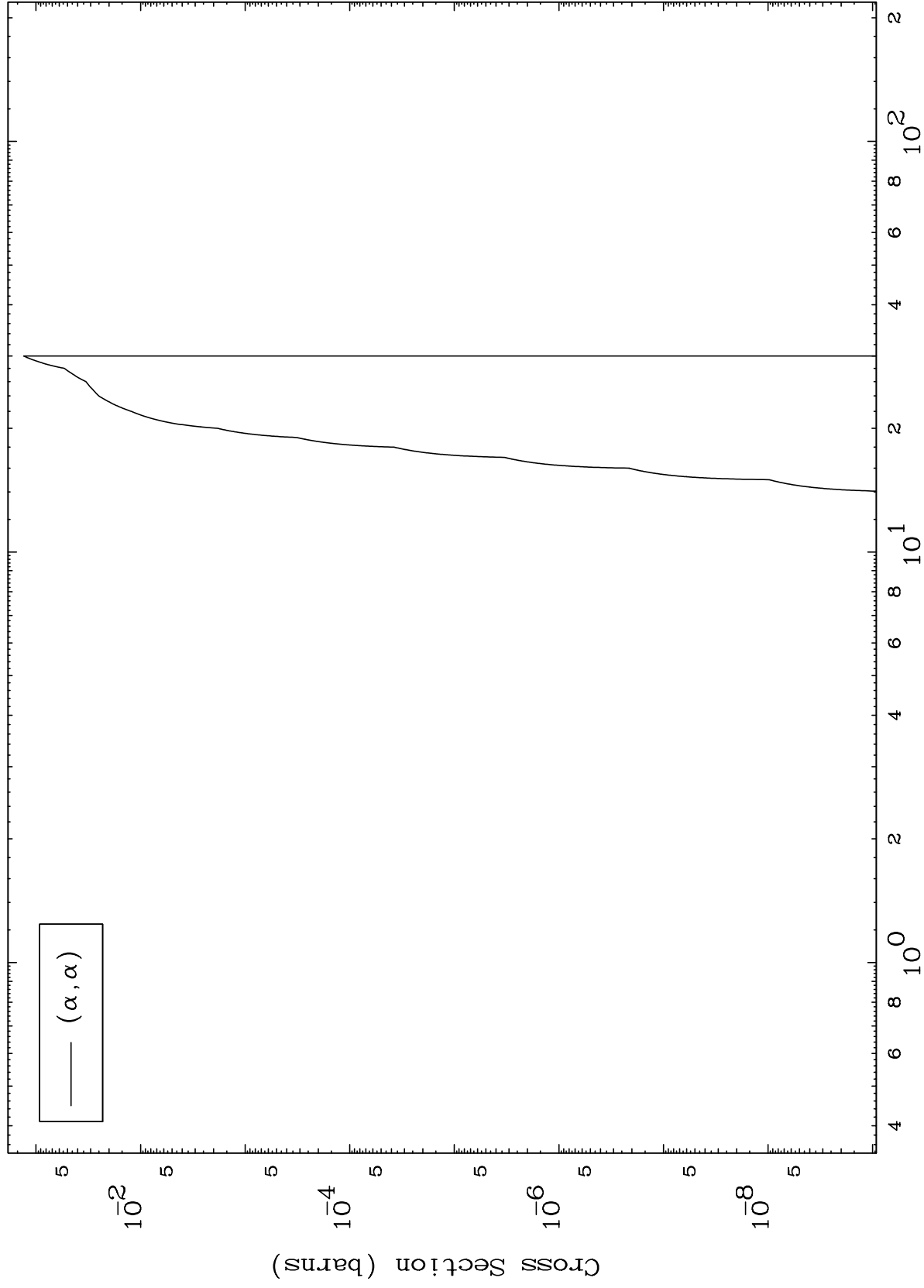




MAT 8037

80-Hg-200

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



9

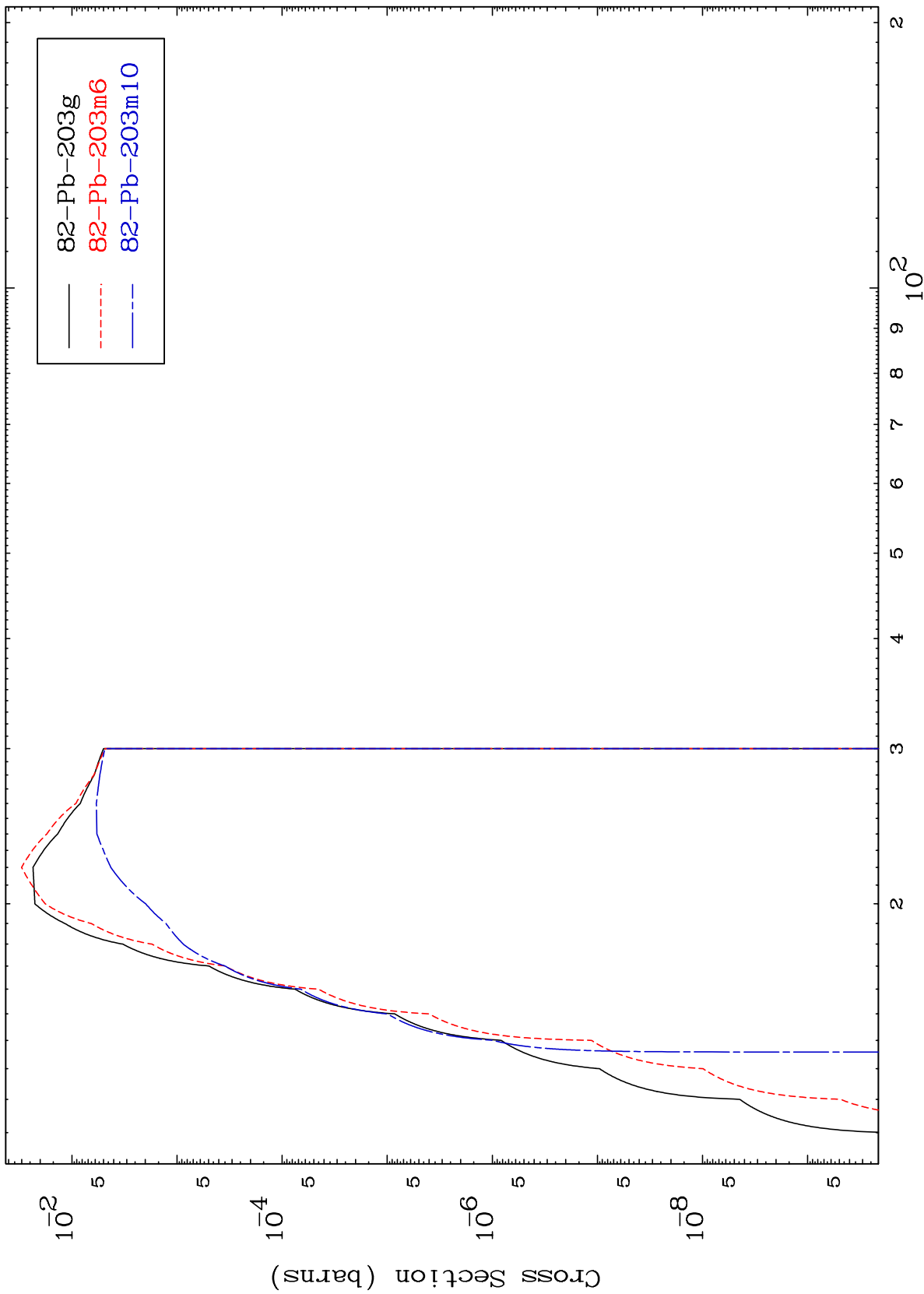
Incident Energy (MeV)

80-Hg-200

MAT 8037

80-Hg-200

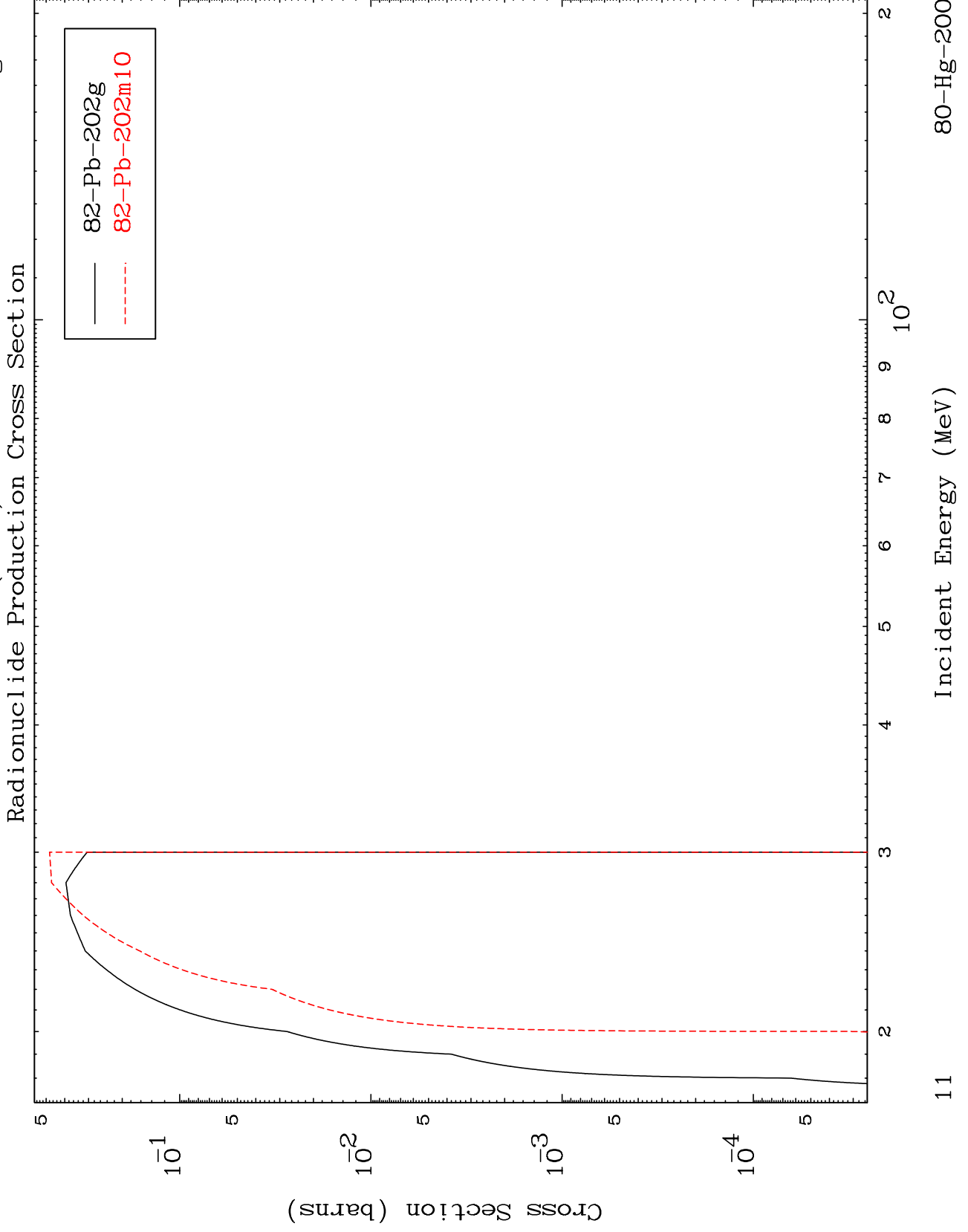
Radionuclide Production Cross Section  
 $\alpha$  Inelastic



80-Hg-200

Incident Energy (MeV)

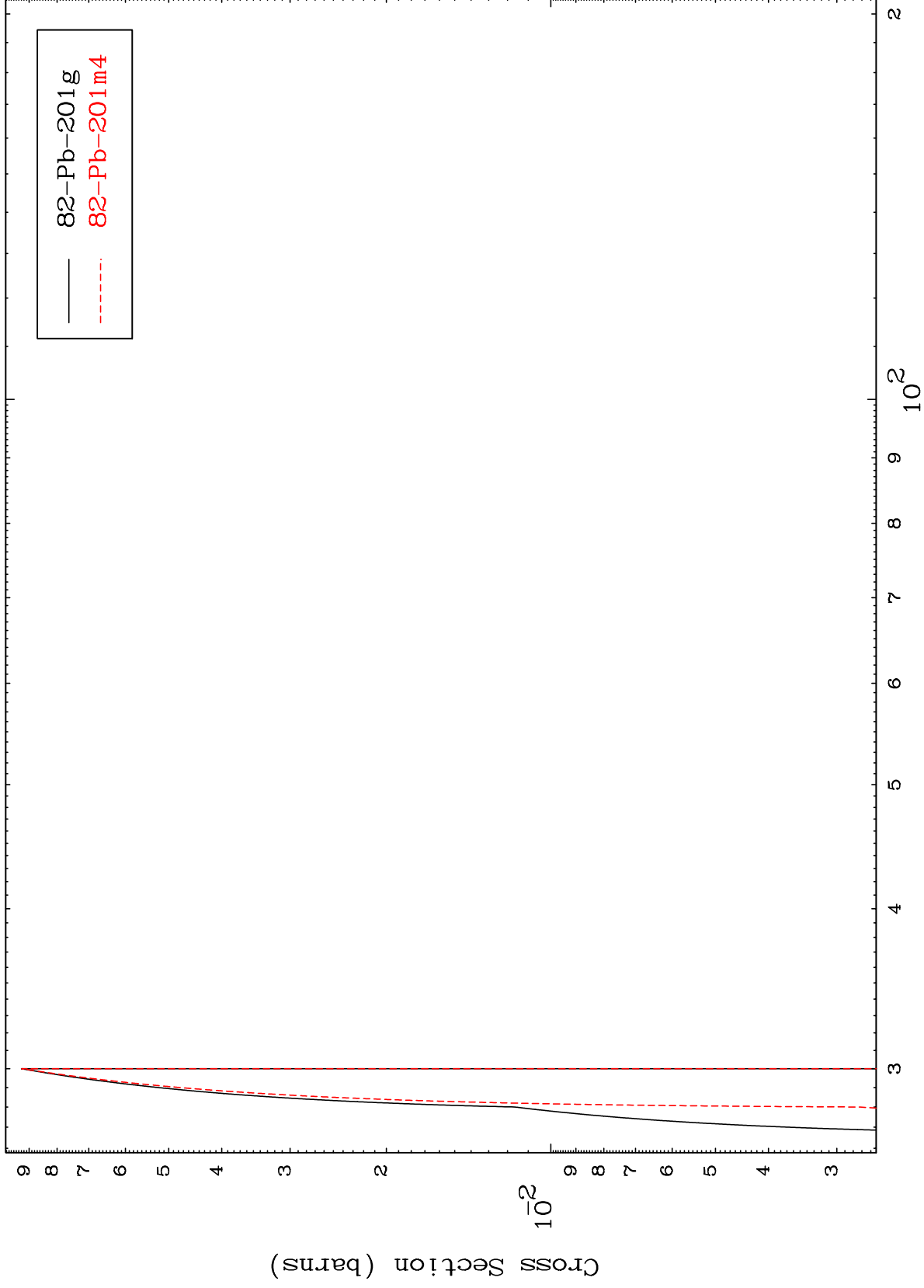
10



MAT 8037

80-Hg-200

( $\alpha, 3n$ )  
Radionuclide Production Cross Section



12

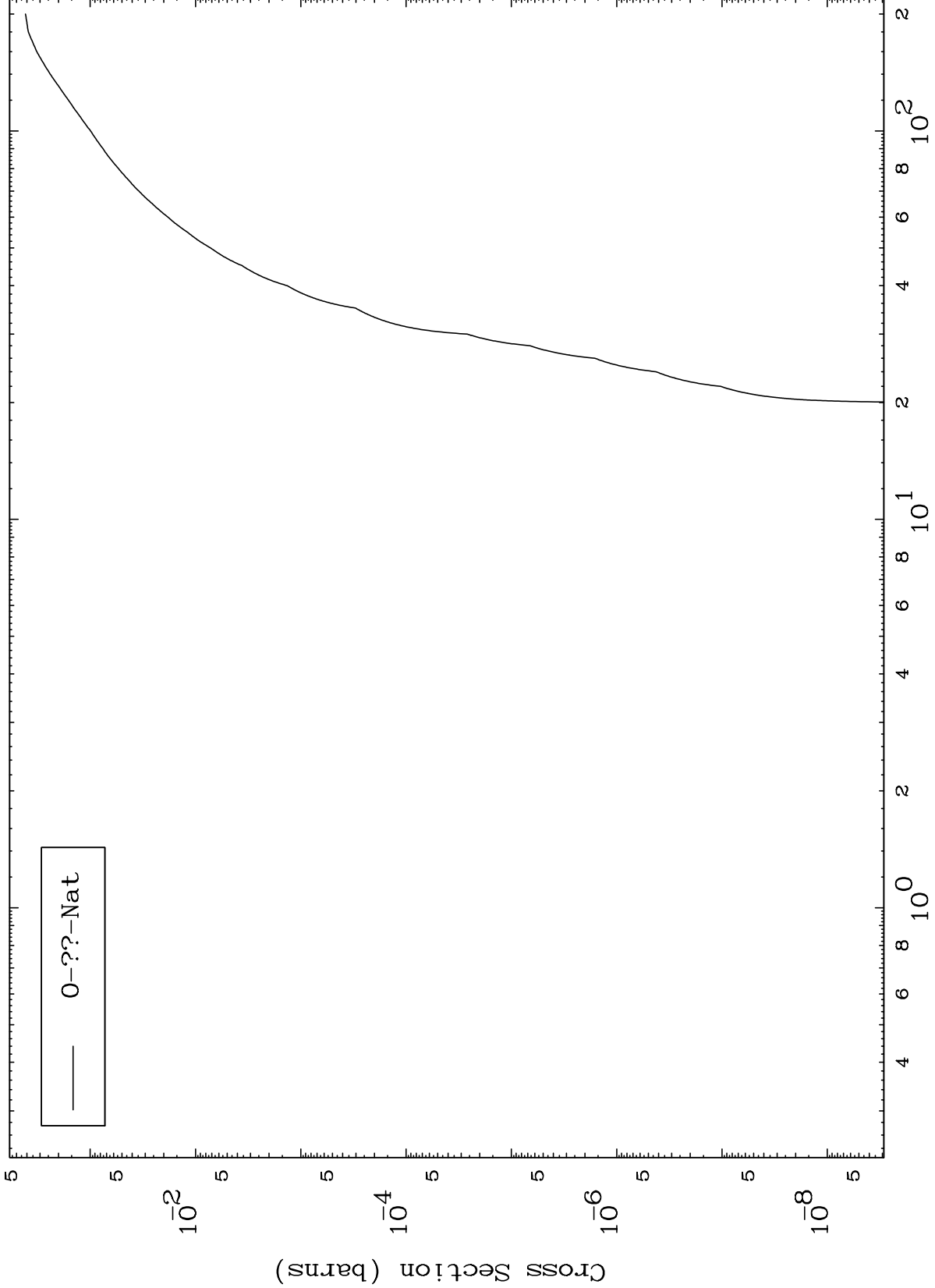
80-Hg-200

Incident Energy (MeV)

MAT 8037

$\alpha$  Fission  
Radionuclide Production Cross Section

80-Hg-200

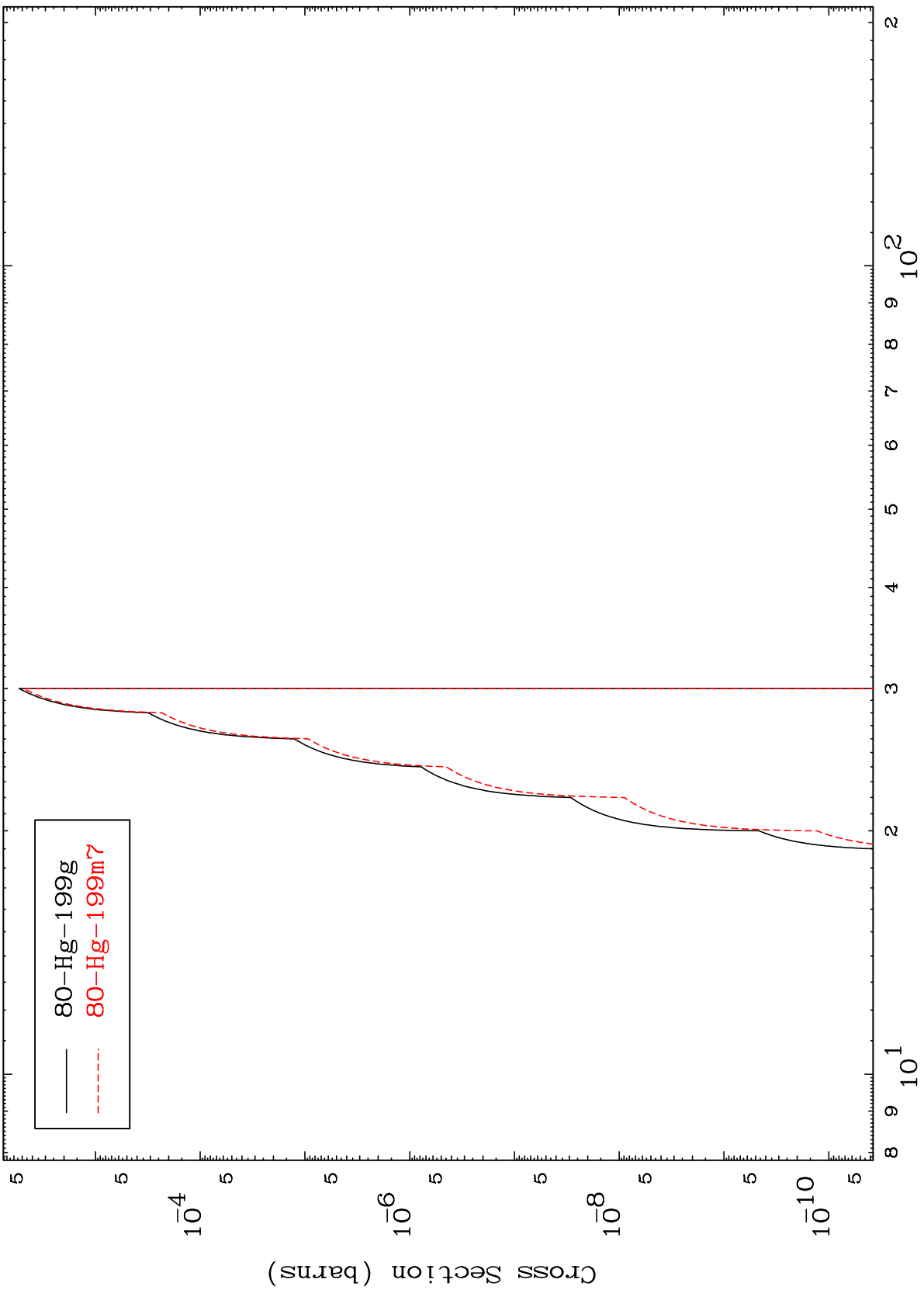


MAT 8037

$(\alpha, n')$   $\alpha$

80-Hg-200

Radionuclide Production Cross Section



14

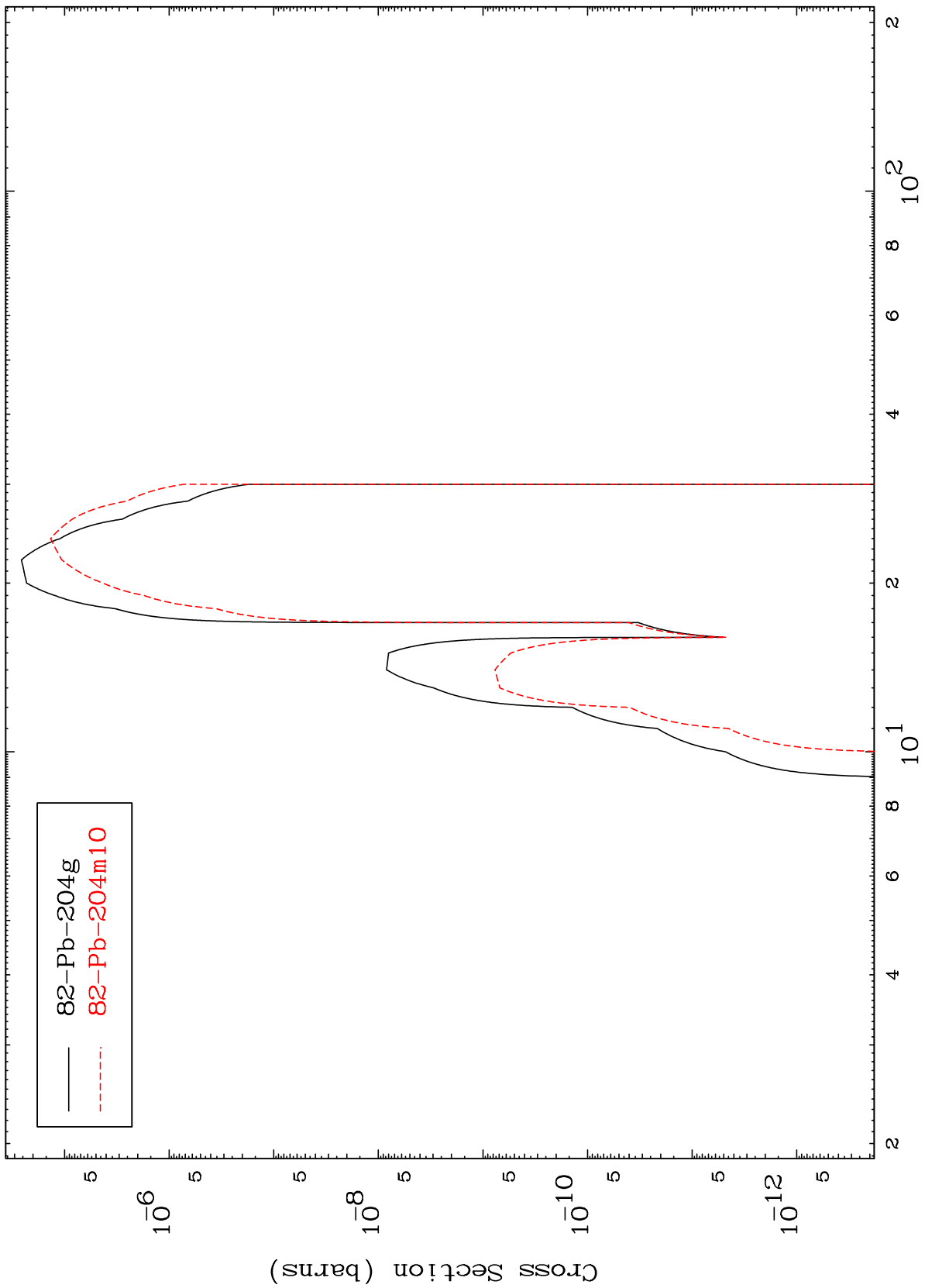
Incident Energy (MeV)

80-Hg-200

MAT 8037

80-Hg-200

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



15

Incident Energy (MeV)

80-Hg-200