

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

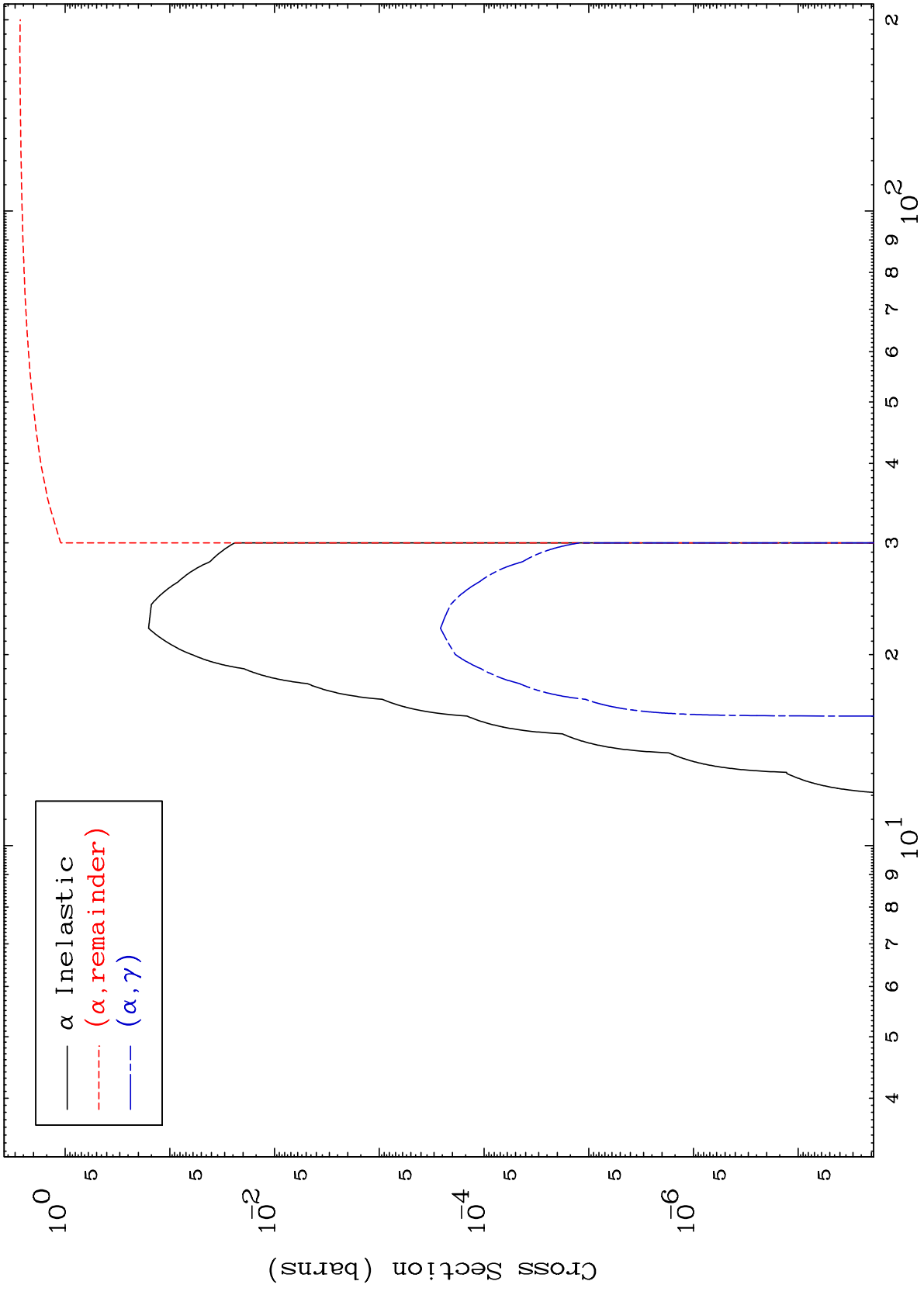
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8022

0 Kelvin  $\alpha$  Major  
Cross Sections

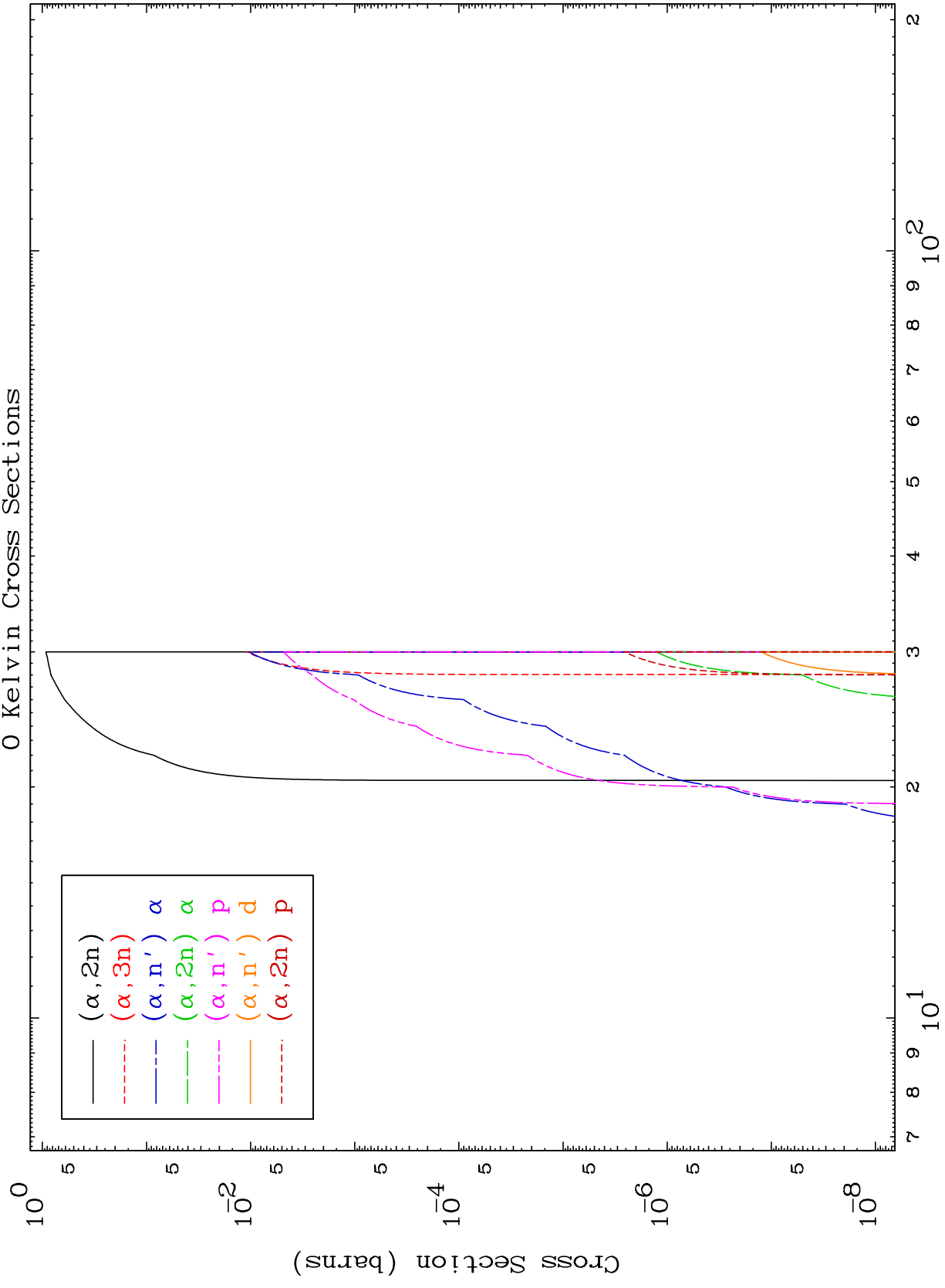
80-Hg-195



MAT 8022

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

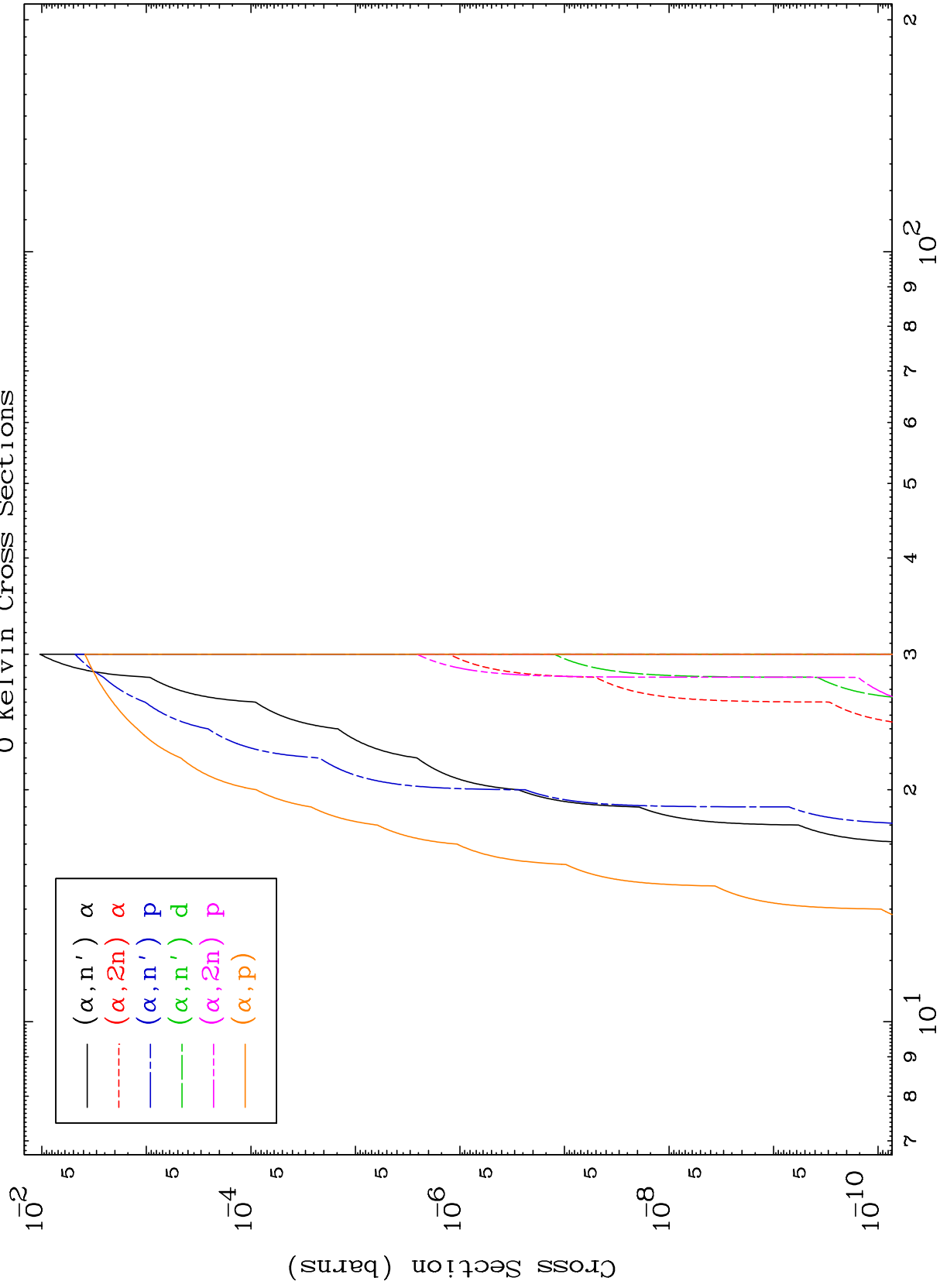
80-Hg-195



2

Incident Energy (MeV)

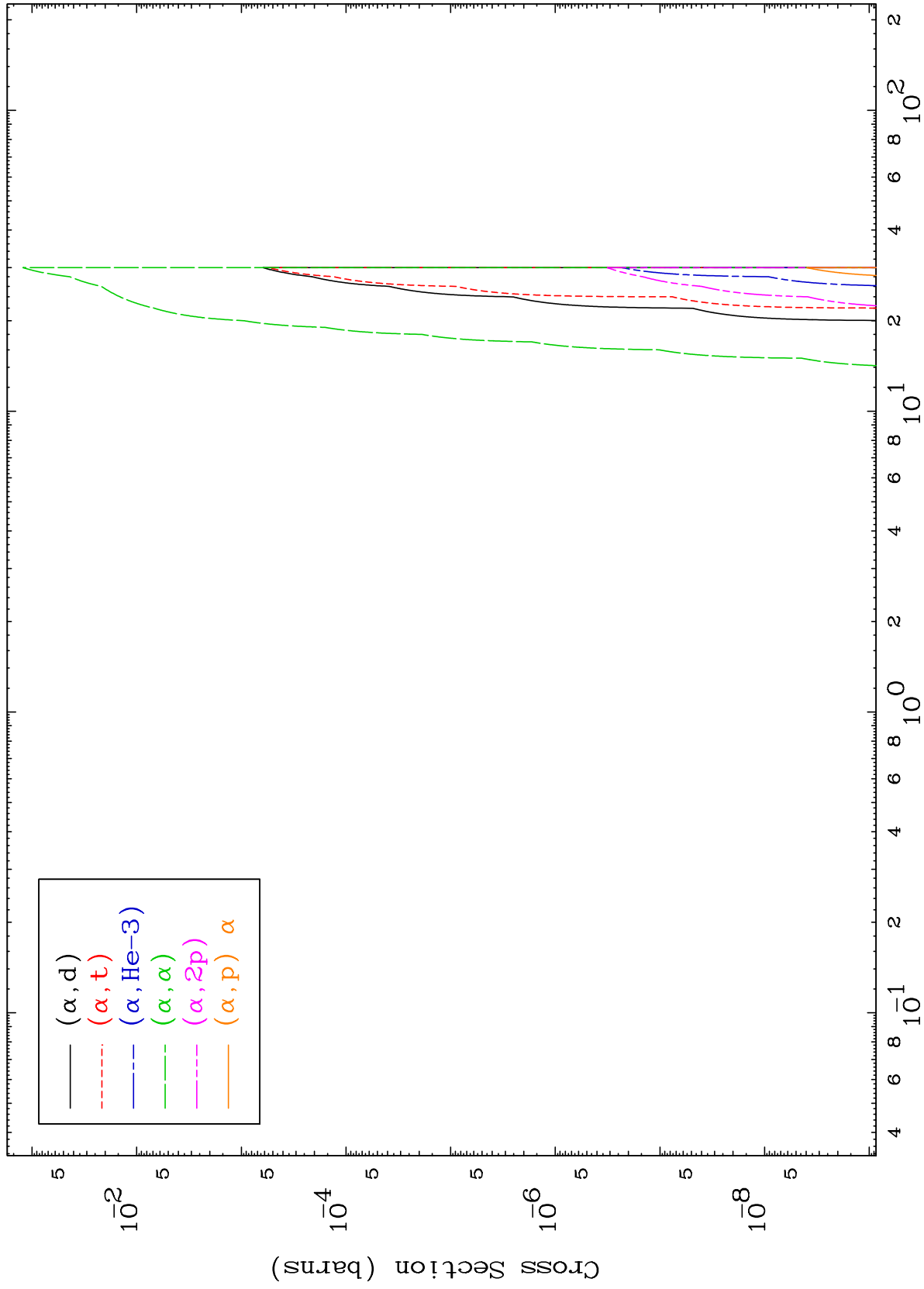
80-Hg-195



MAT 8022

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

80-Hg-195



4

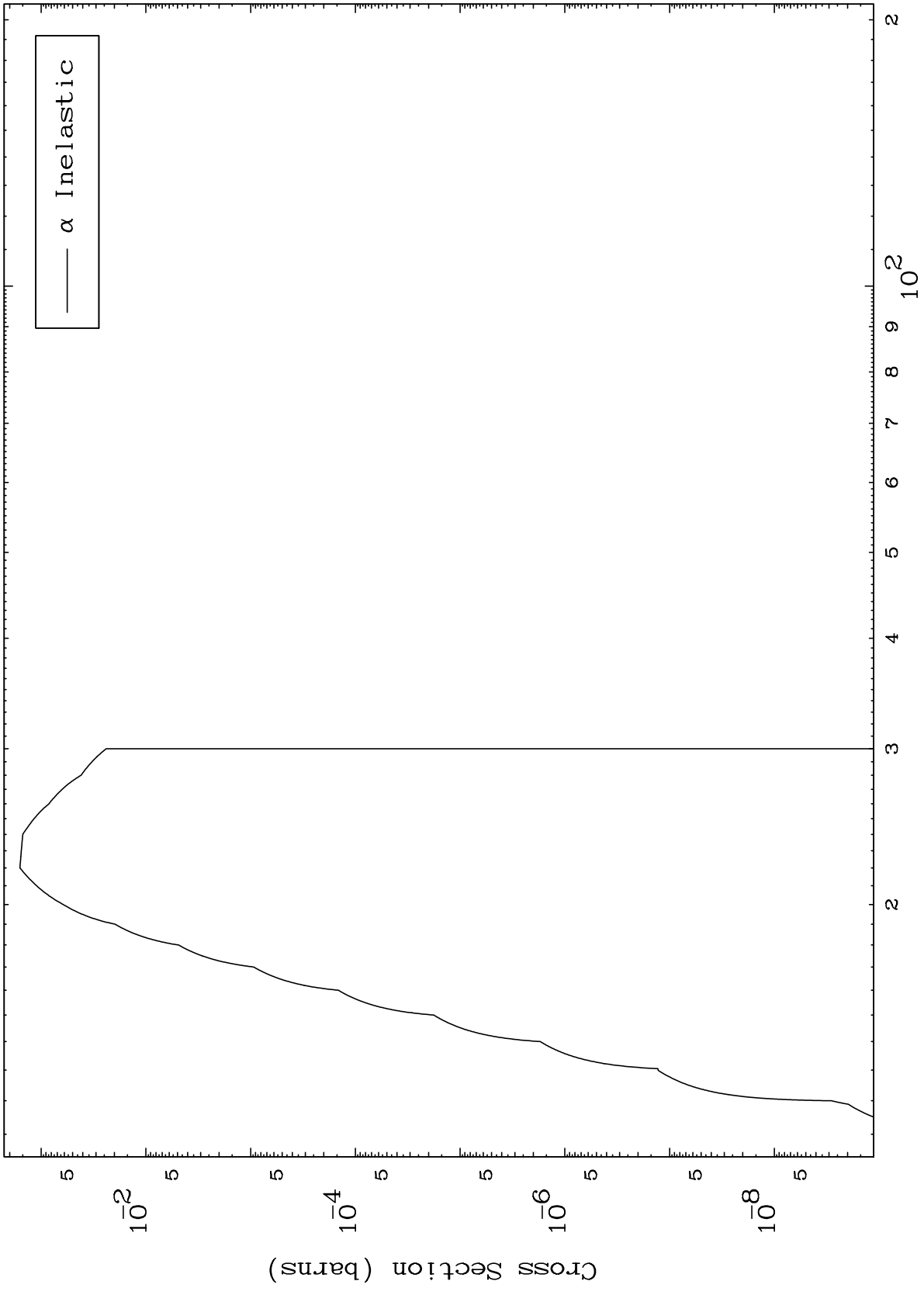
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



$\alpha$  Inelastic

5

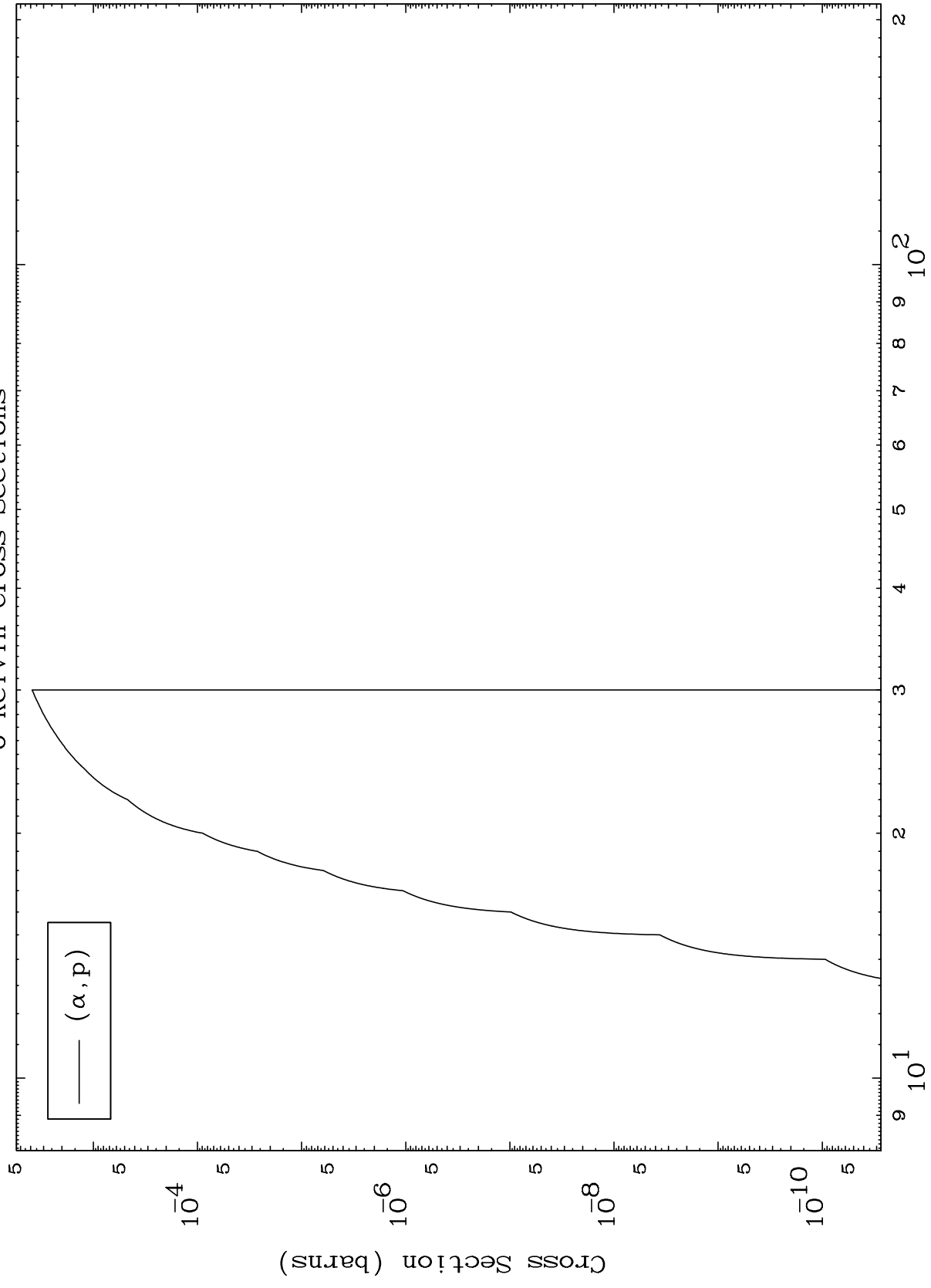
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



6

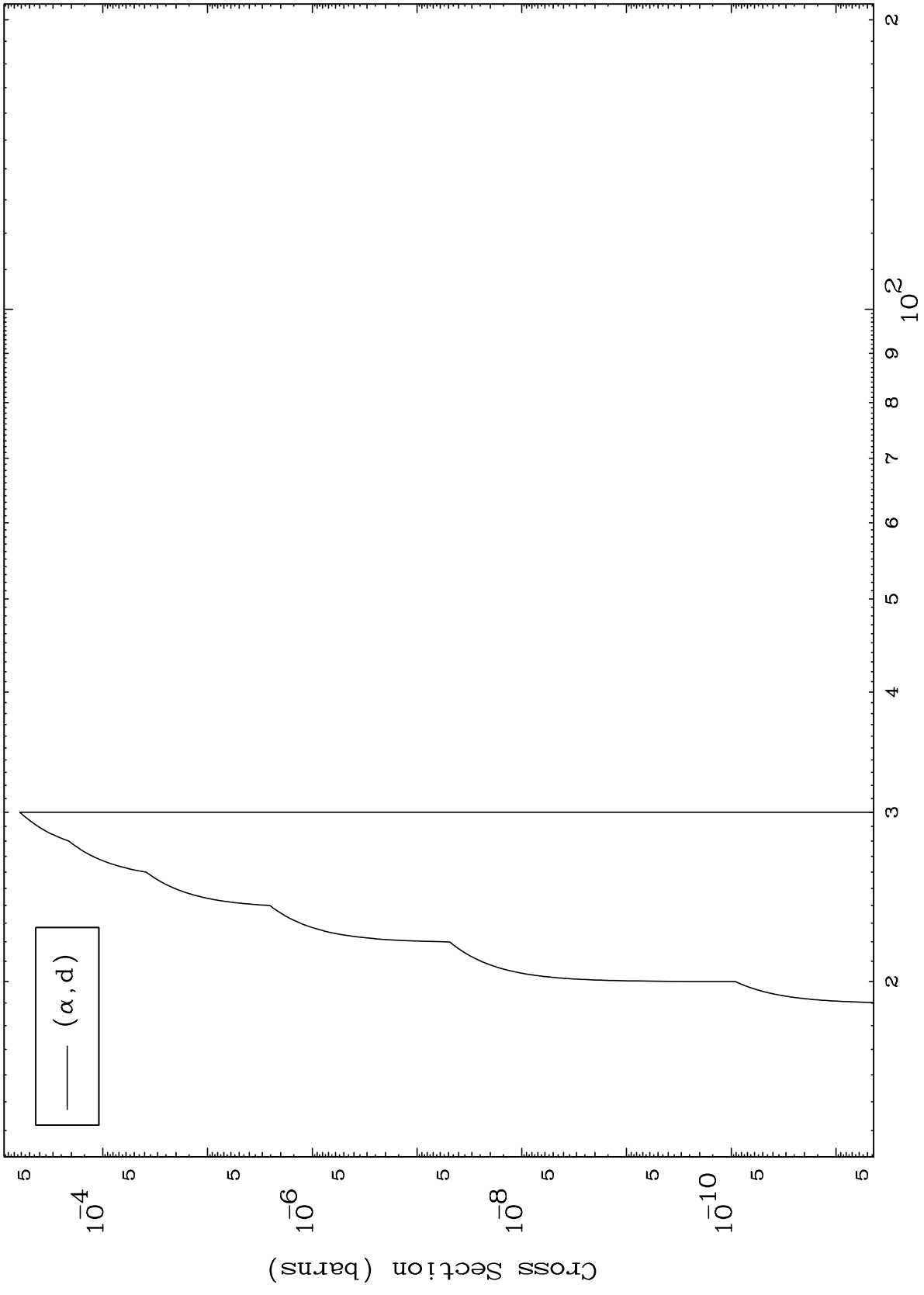
Incident Energy (MeV)

80-Hg-195

MAT 8022

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

80-Hg-195



7

Incident Energy (MeV)

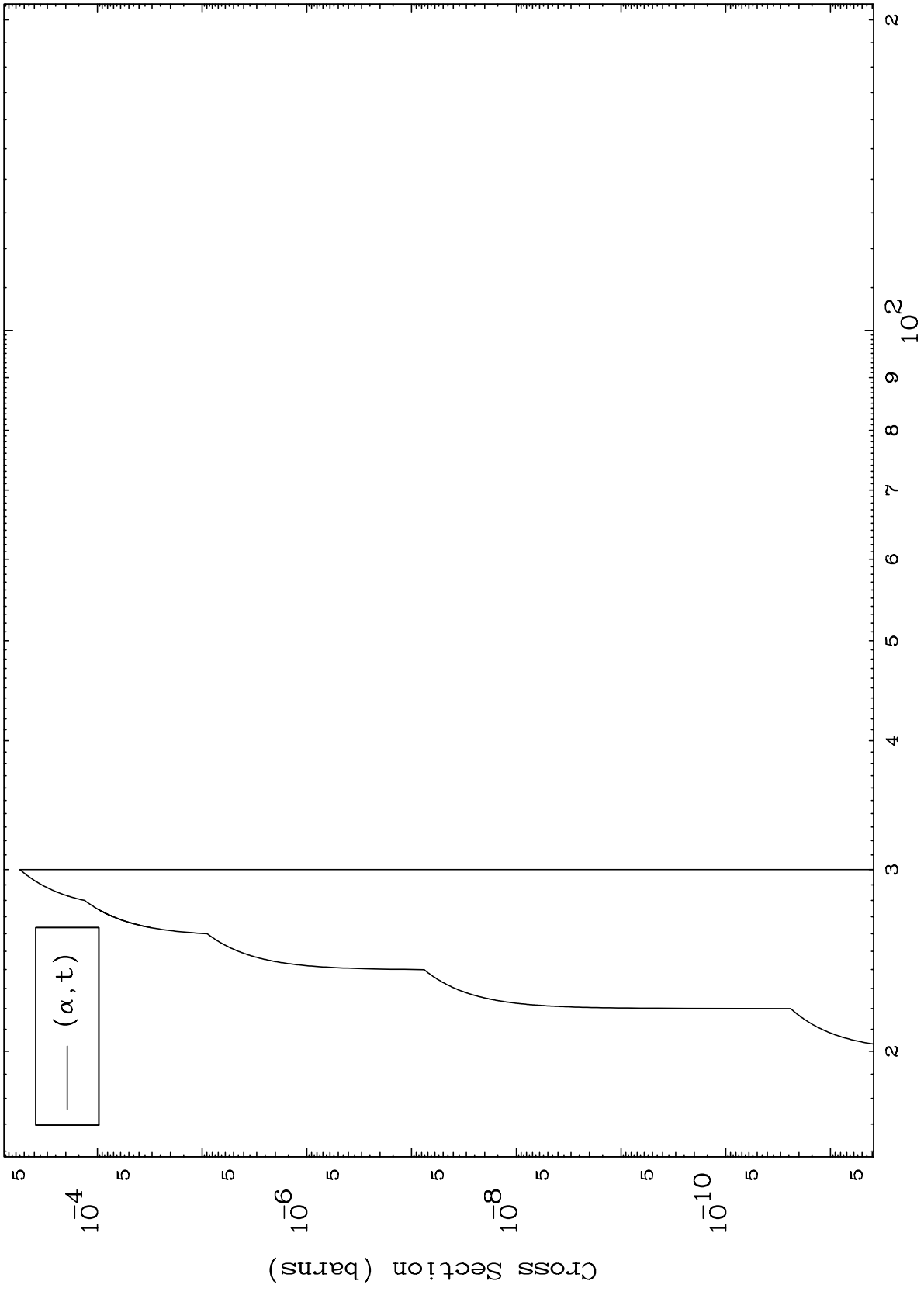
80-Hg-195



MAT 8022

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

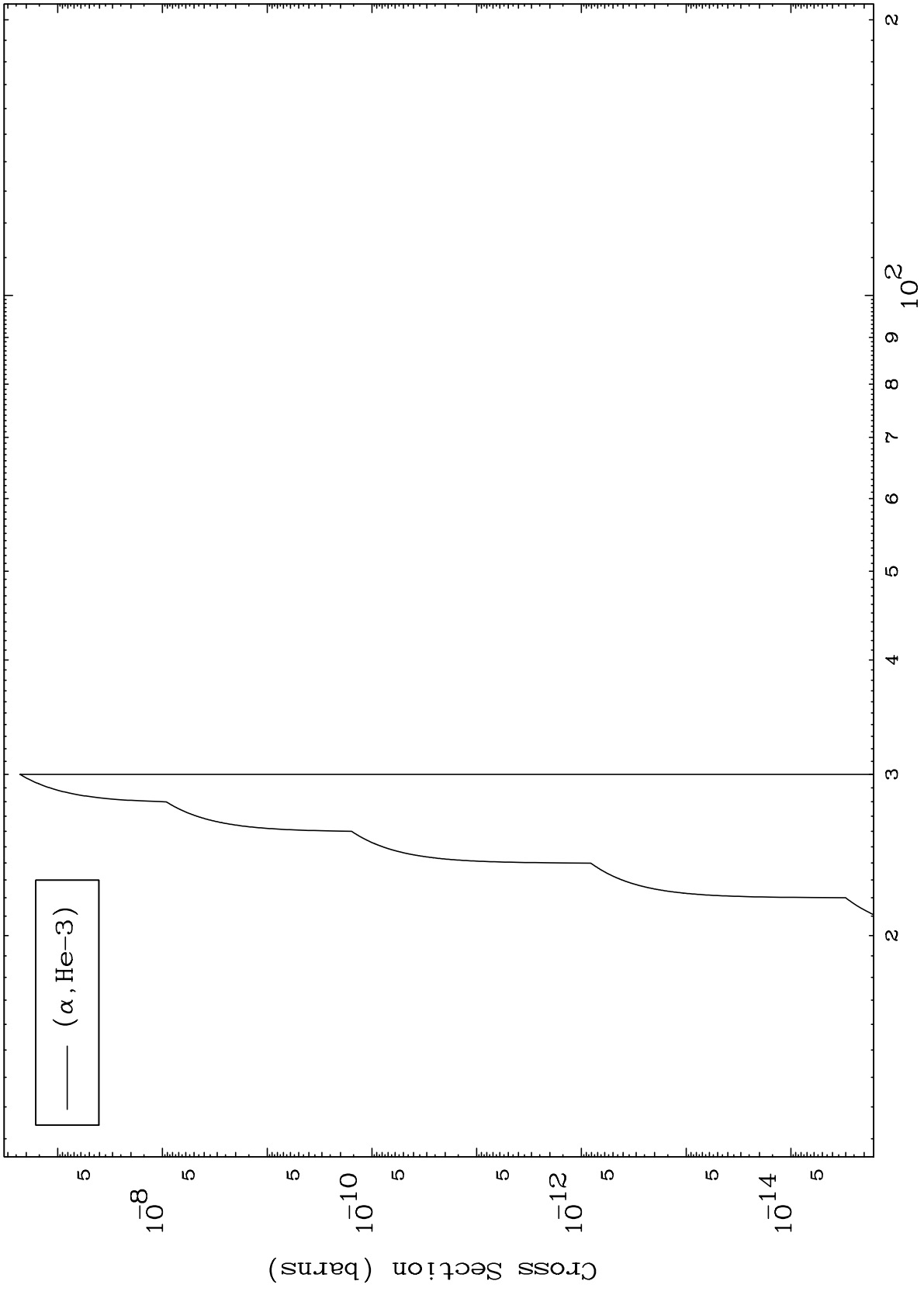
80-Hg-195



8

Incident Energy (MeV)

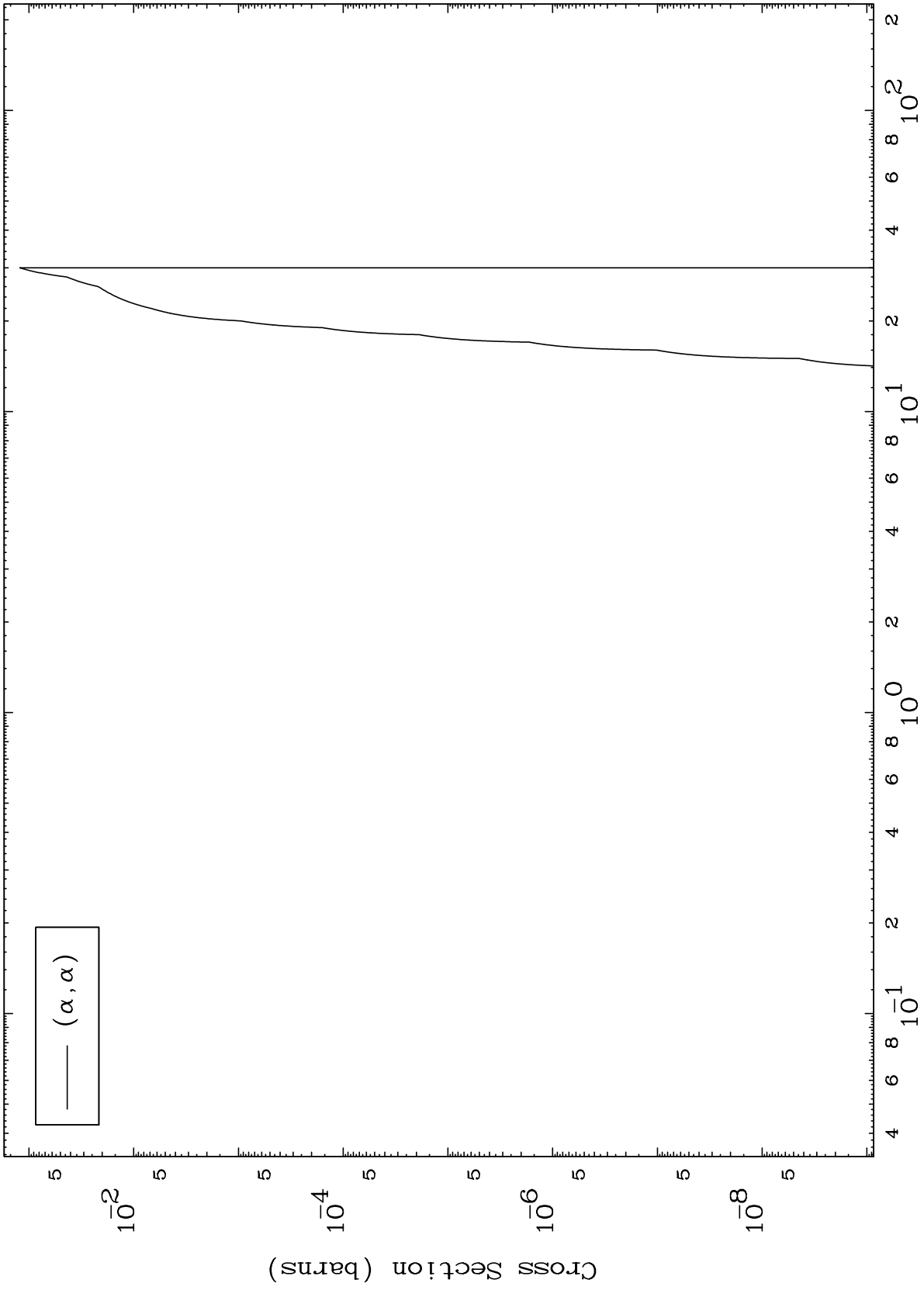
80-Hg-195



MAT 8022

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

80-Hg-195



10

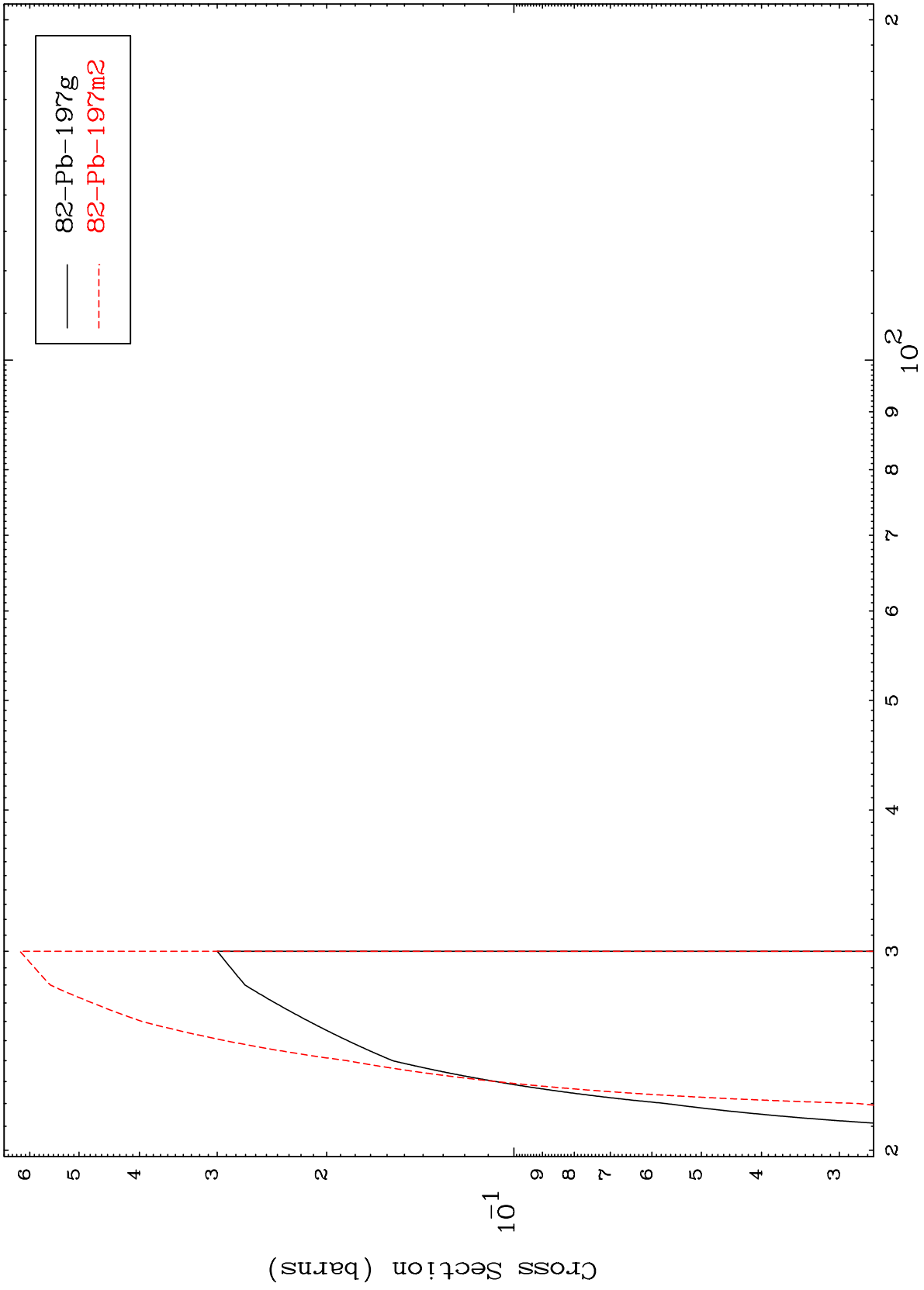
Incident Energy (MeV)

80-Hg-195

MAT 8022

80-Hg-195

( $\alpha, 2n$ )  
Radionuclide Production Cross Section



11

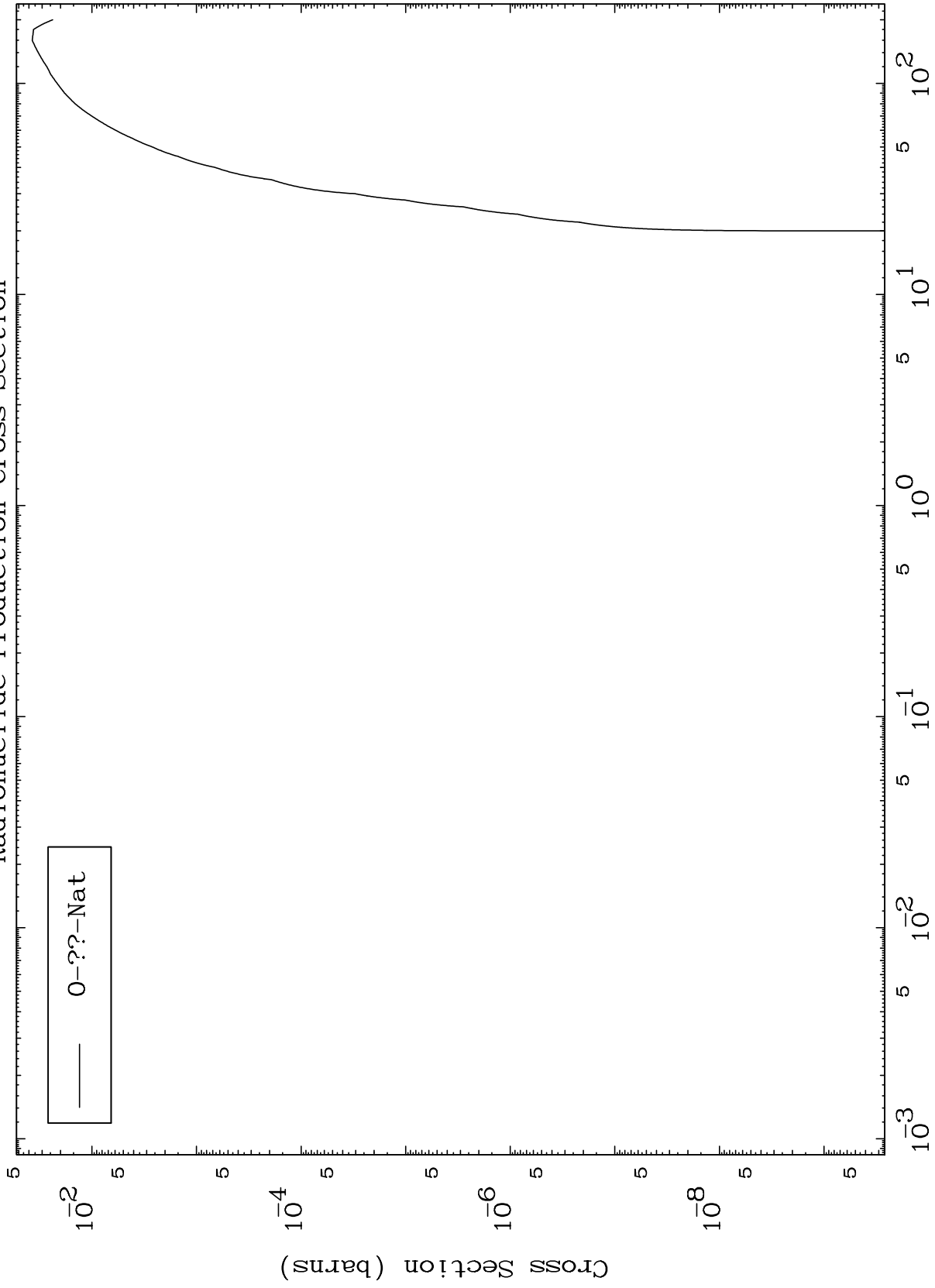
Incident Energy (MeV)

80-Hg-195

MAT 8022

$\alpha$  Fission  
Radionuclide Production Cross Section

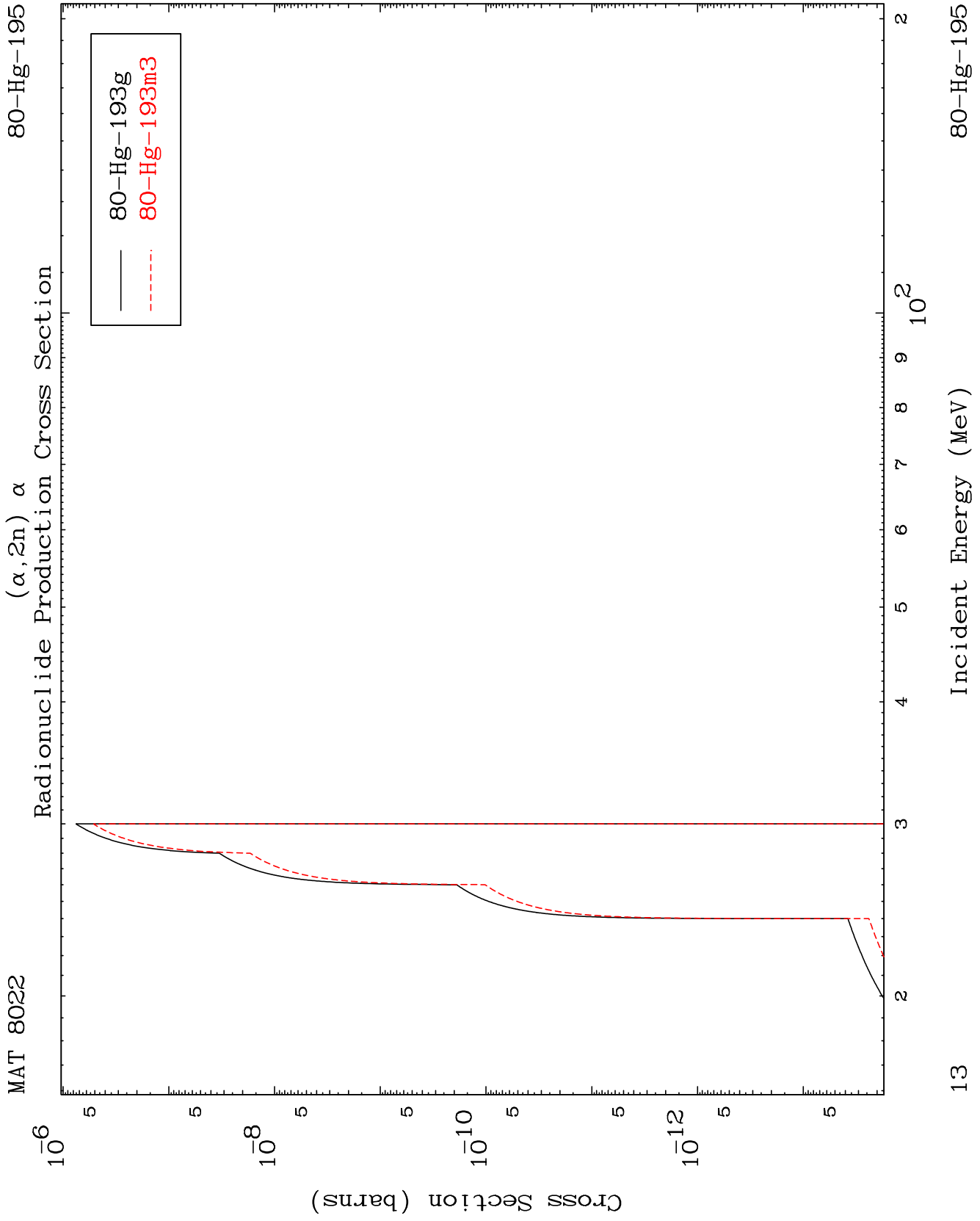
80-Hg-195



12

Incident Energy (MeV)

80-Hg-195

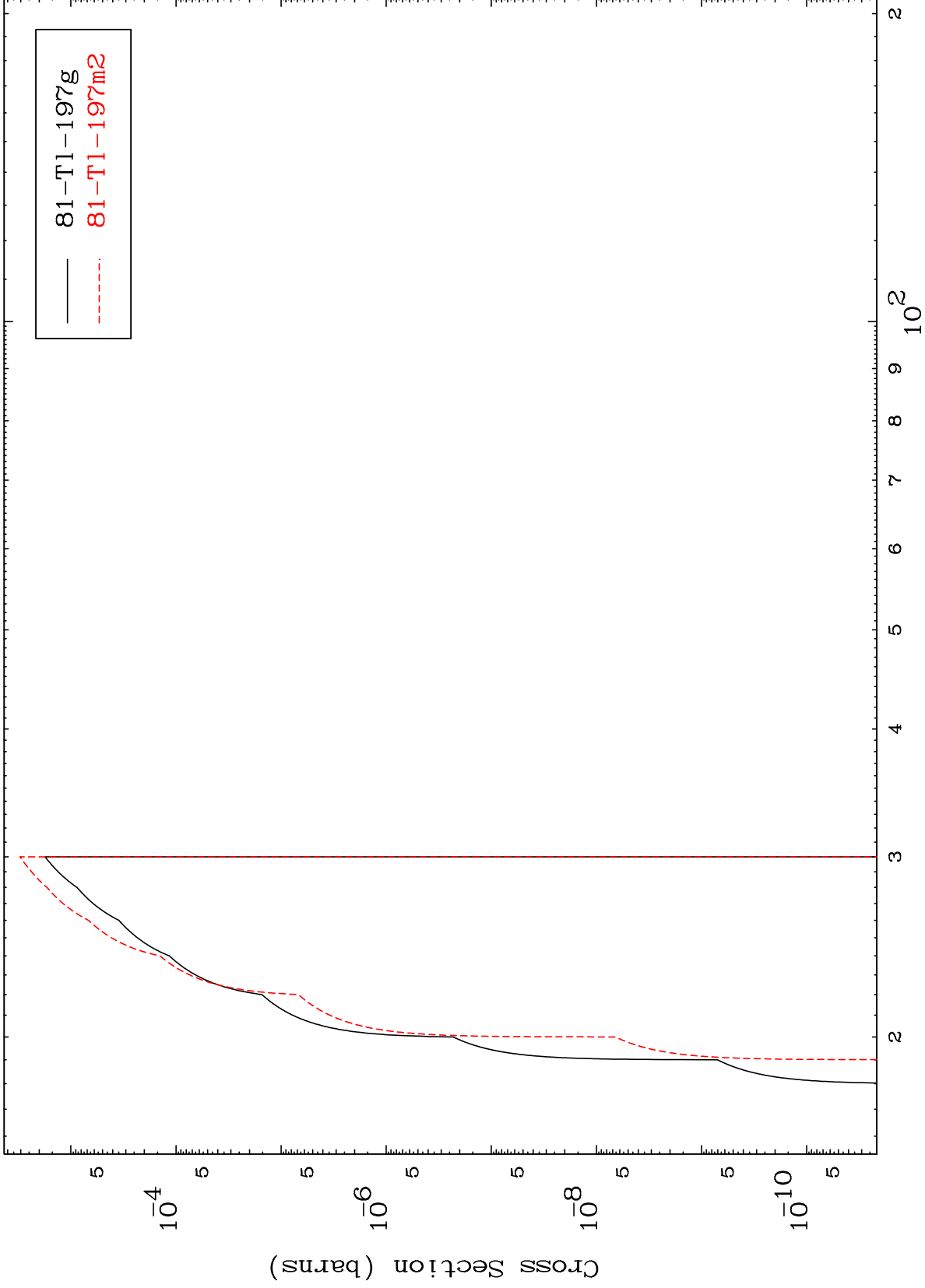


MAT 8022

$(\alpha, n')$  p

80-Hg-195

Radionuclide Production Cross Section



14

Incident Energy (MeV)

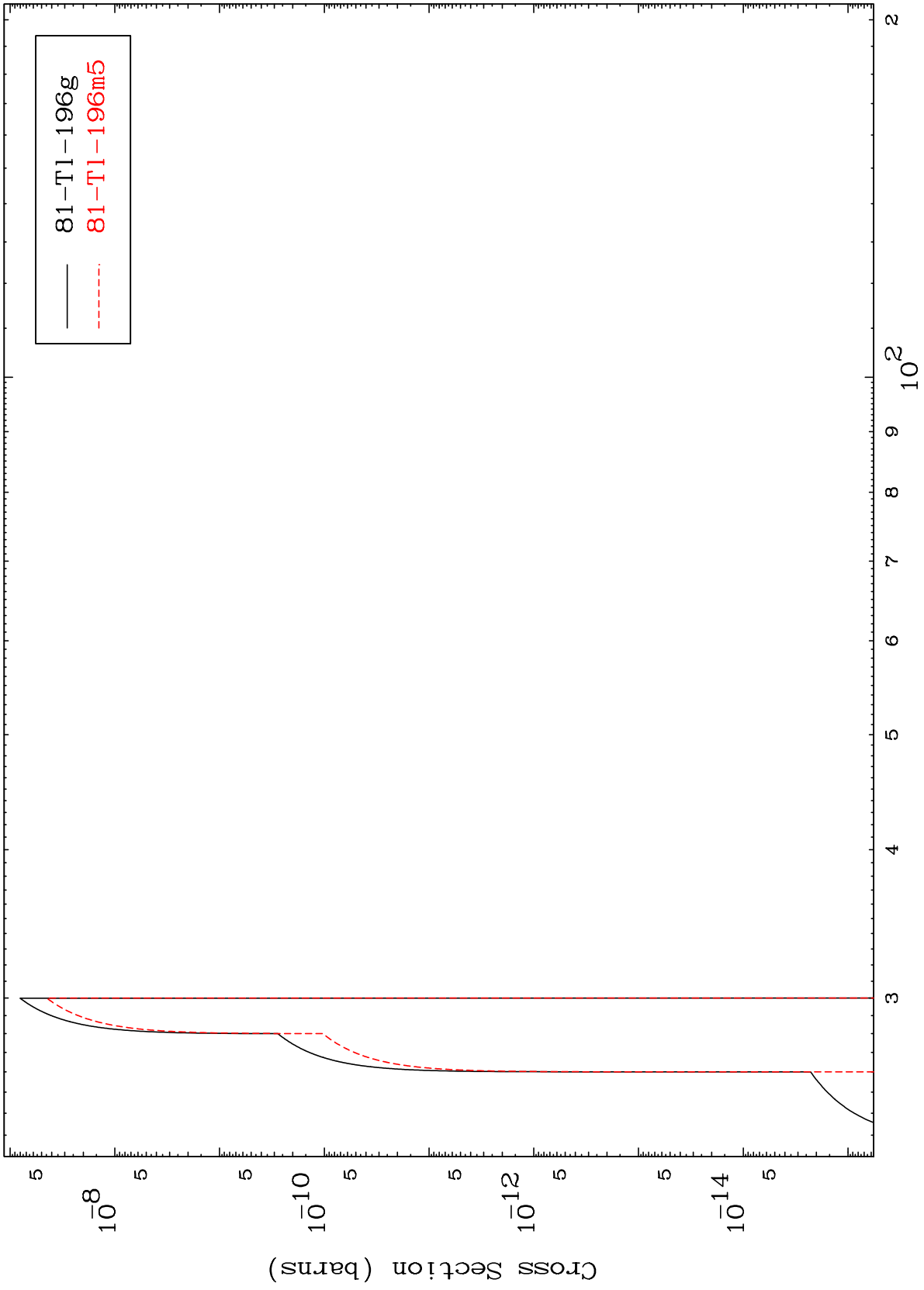
80-Hg-195

MAT 8022

( $\alpha, n'$ ) d

80-Hg-195

Radionuclide Production Cross Section



15

Incident Energy (MeV)

80-Hg-195

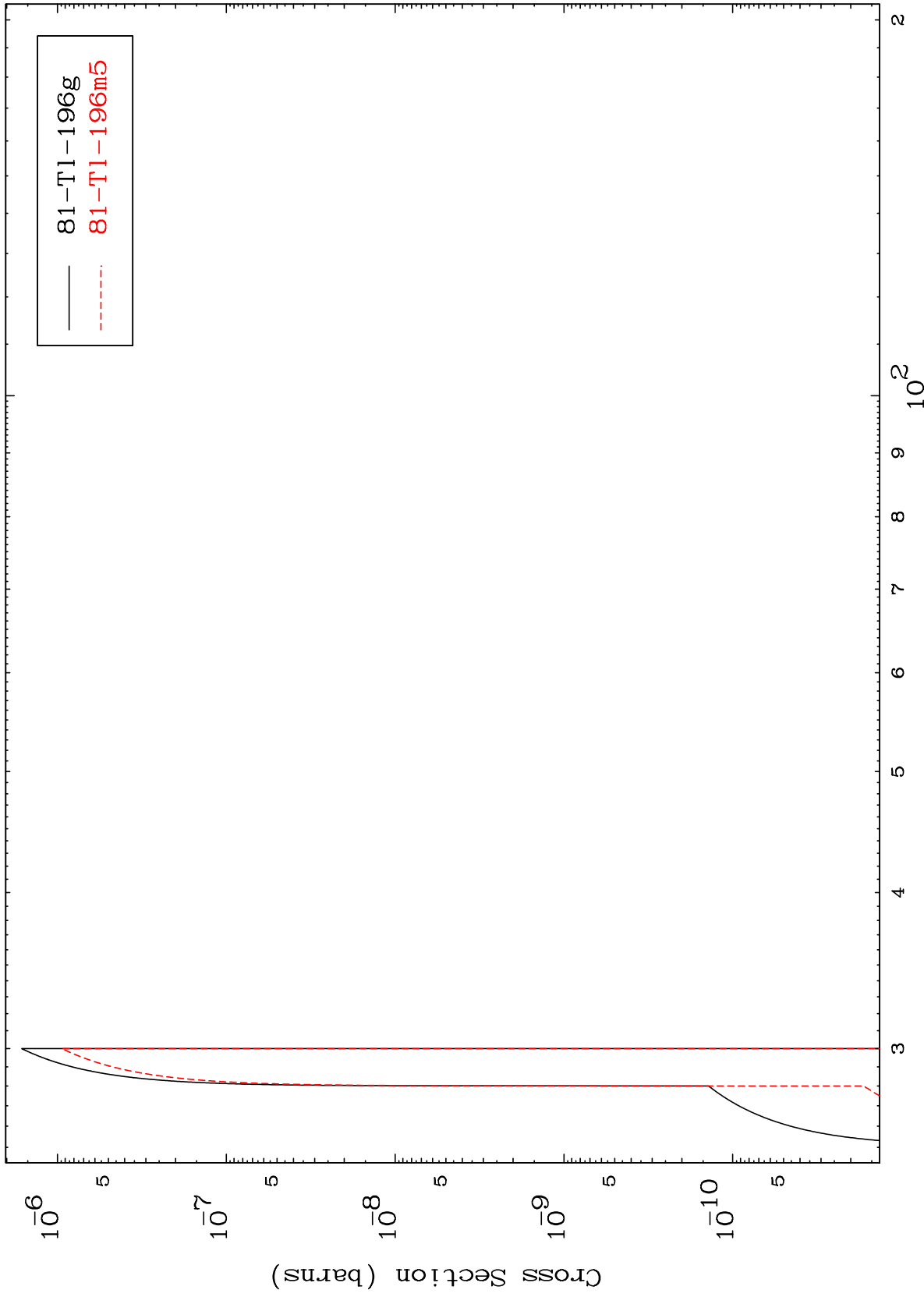


MAT 8022

( $\alpha, 2n$ ) p

80-Hg-195

Radionuclide Production Cross Section



16

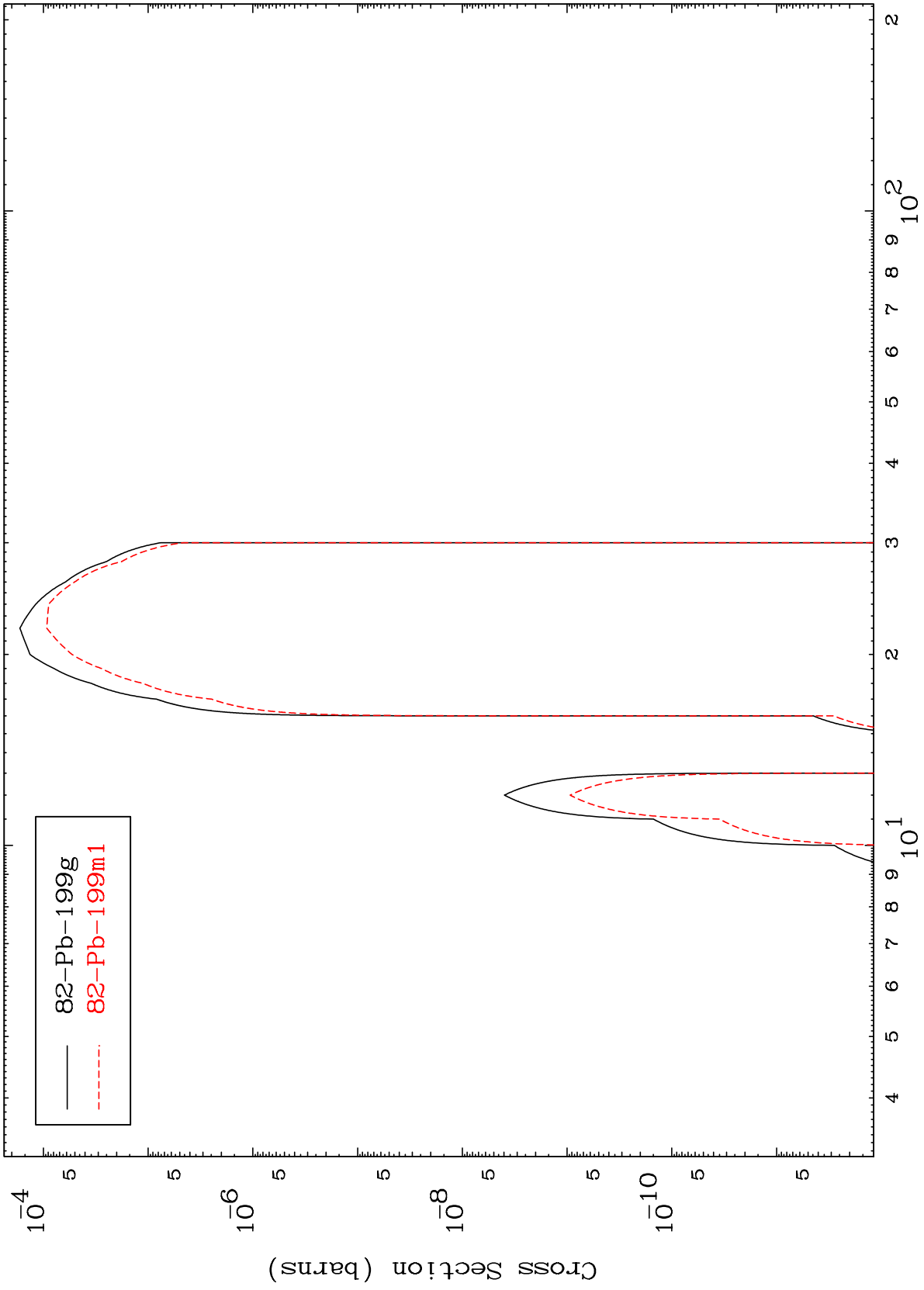
Incident Energy (MeV)

80-Hg-195

MAT 8022

80-Hg-195

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



17

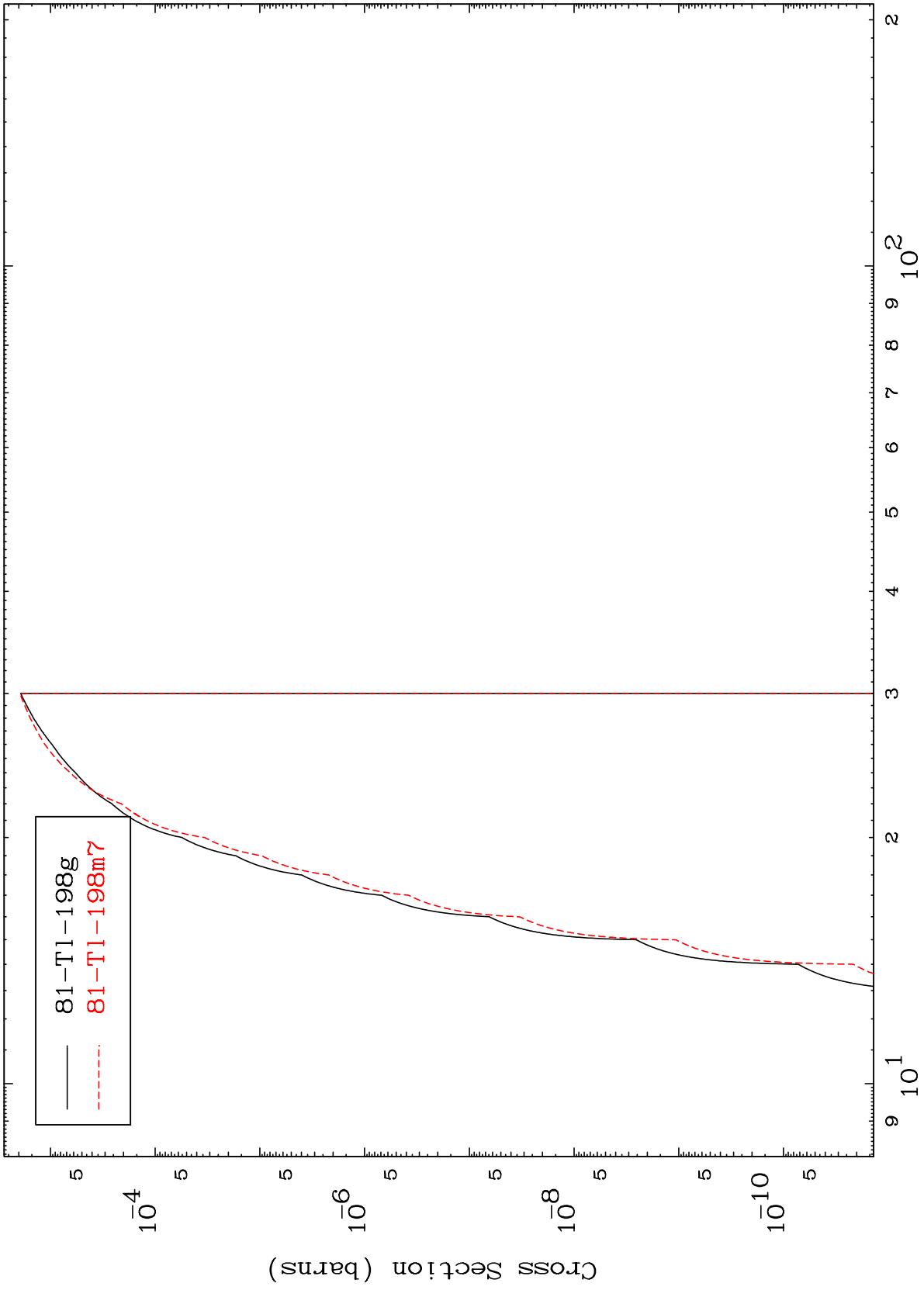
Incident Energy (MeV)

80-Hg-195

MAT 8022

80-Hg-195

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



18

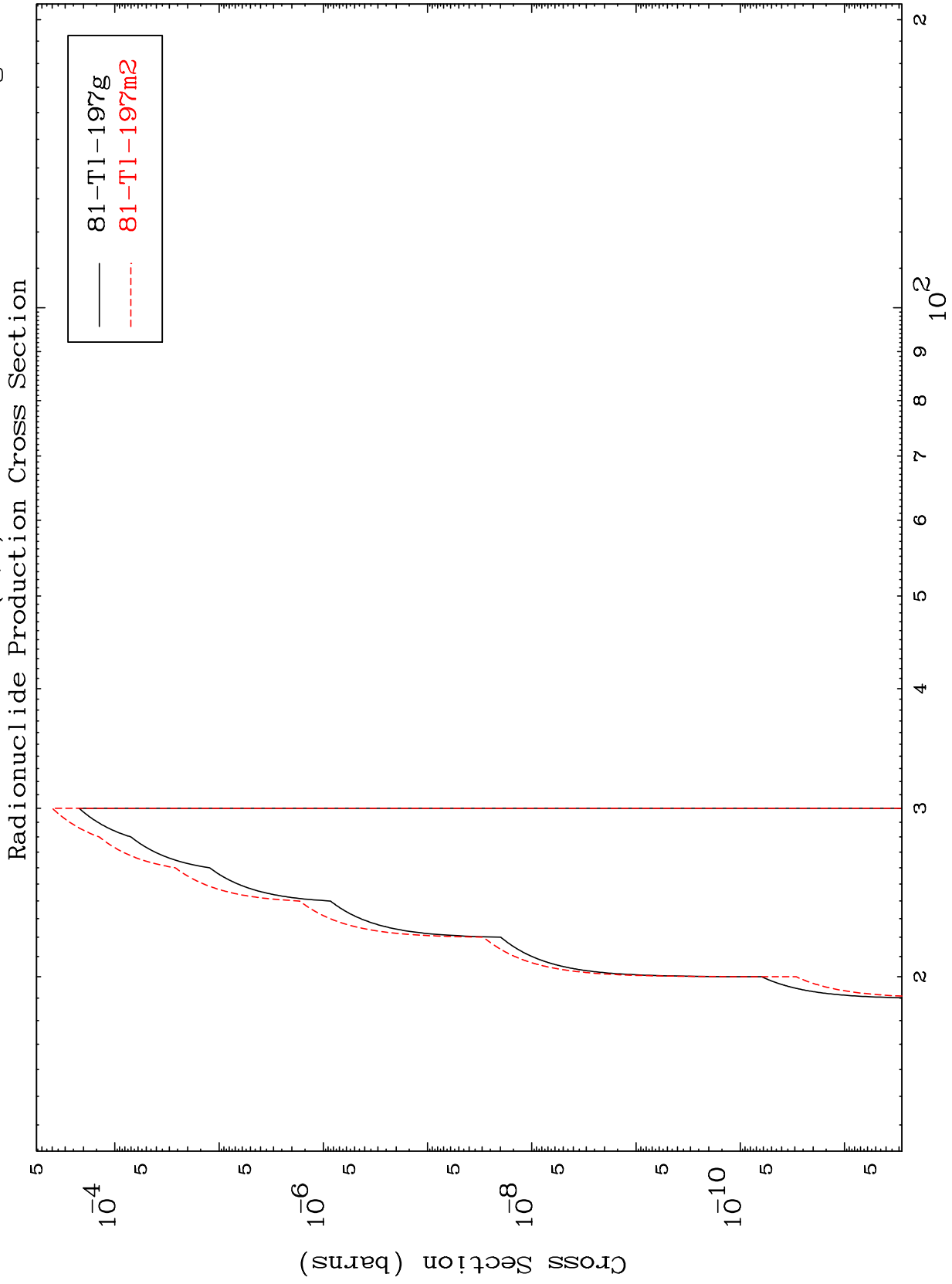
Incident Energy (MeV)

80-Hg-195

MAT 8022

( $\alpha, d$ )

80-Hg-195



19

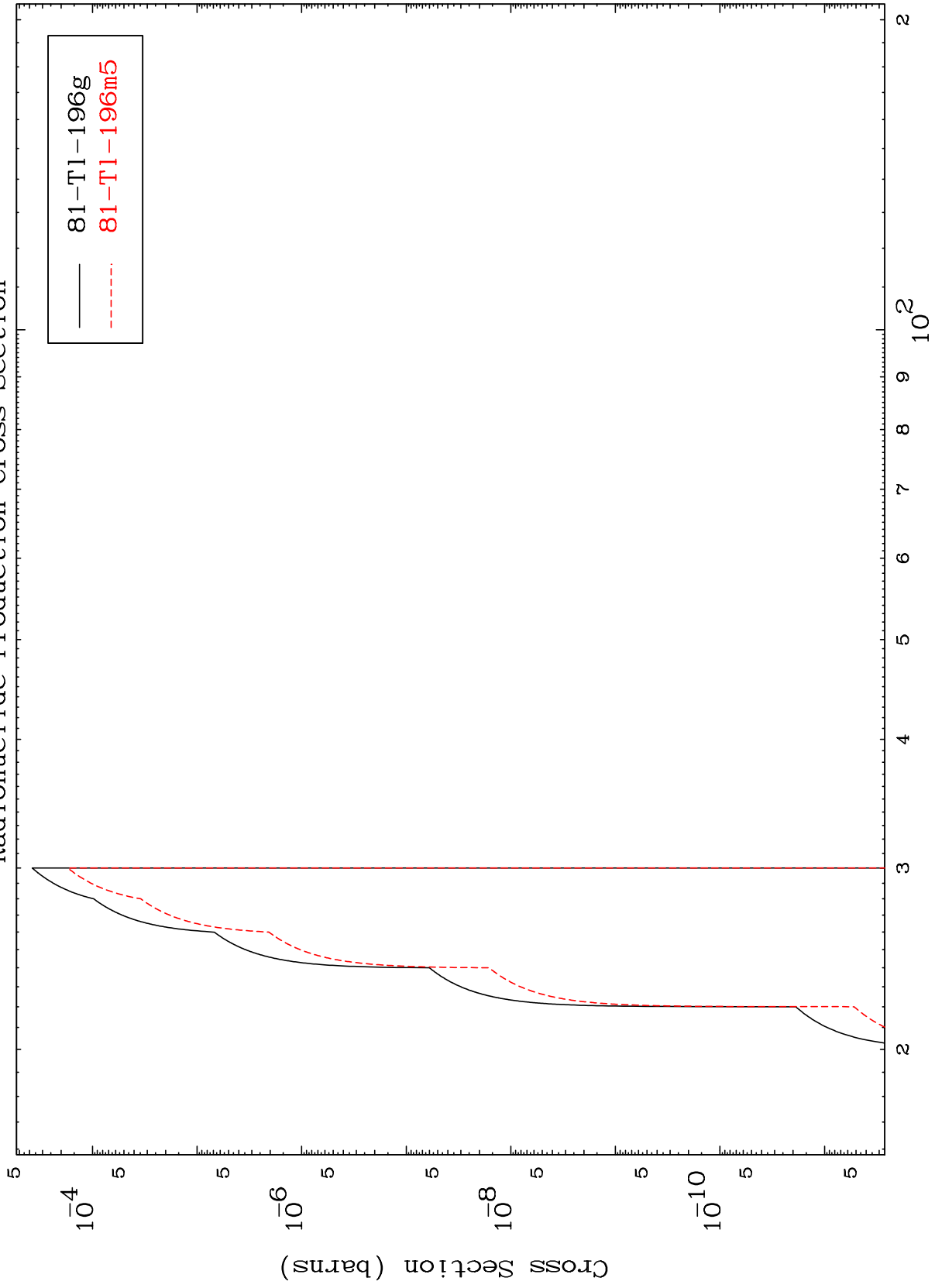
80-Hg-195

80-Hg-195

MAT 8022

80-Hg-195

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



20

Incident Energy (MeV)

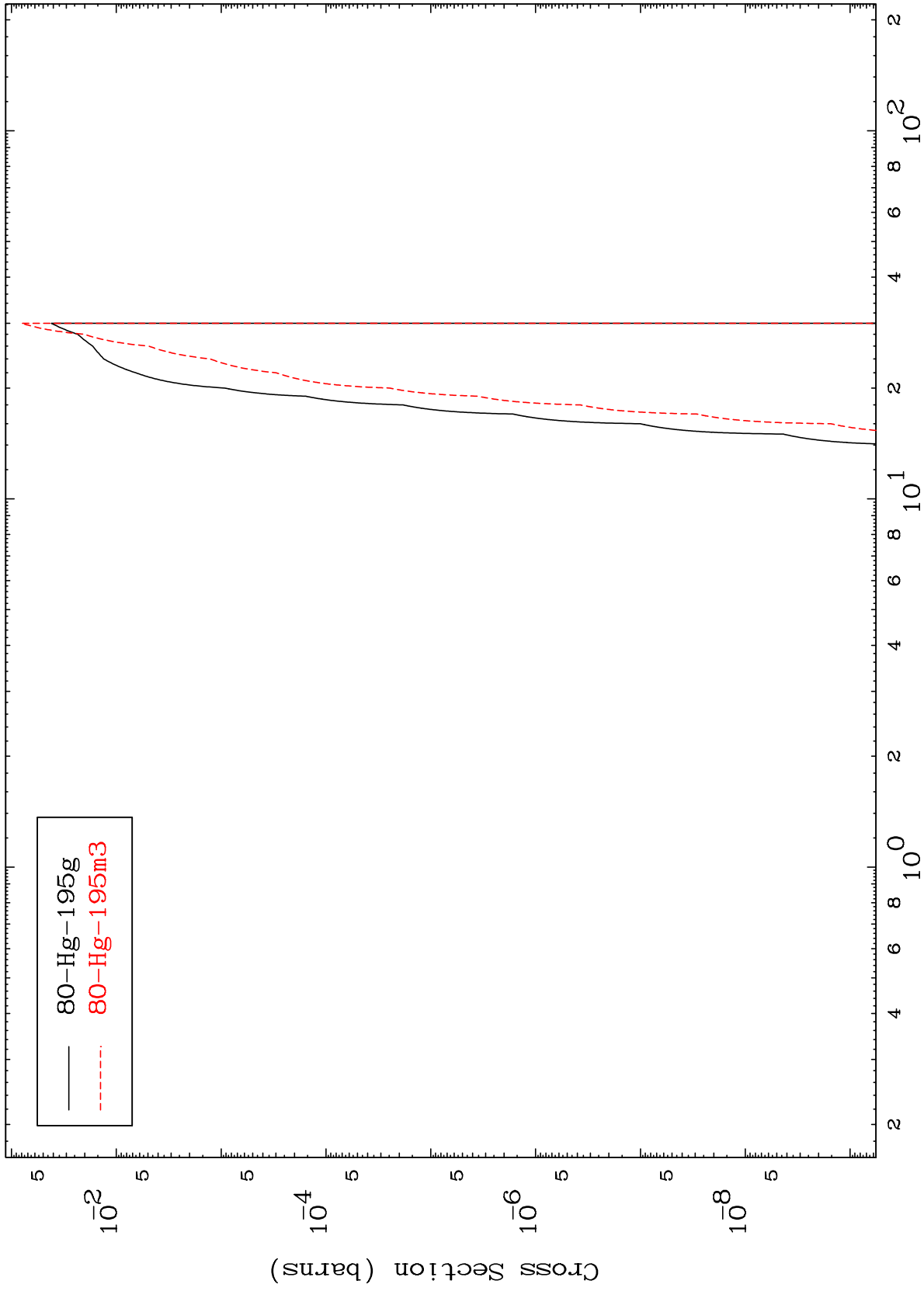
80-Hg-195

MAT 8022

( $\alpha, \alpha$ )

80-Hg-195

Radionuclide Production Cross Section



21

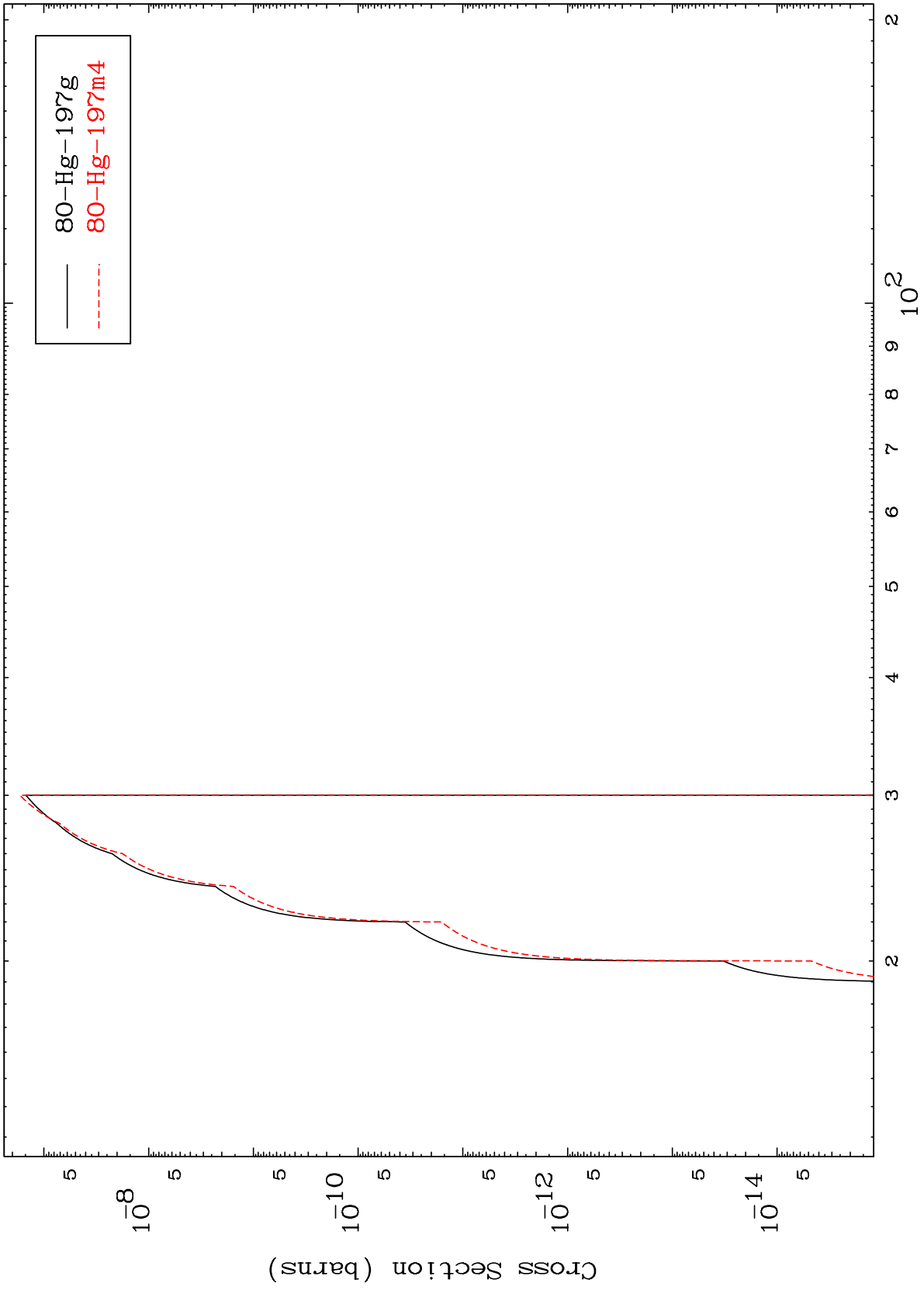
Incident Energy (MeV)

80-Hg-195

MAT 8022

80-Hg-195

( $\alpha, 2p$ )  
Radionuclide Production Cross Section



22

80-Hg-195

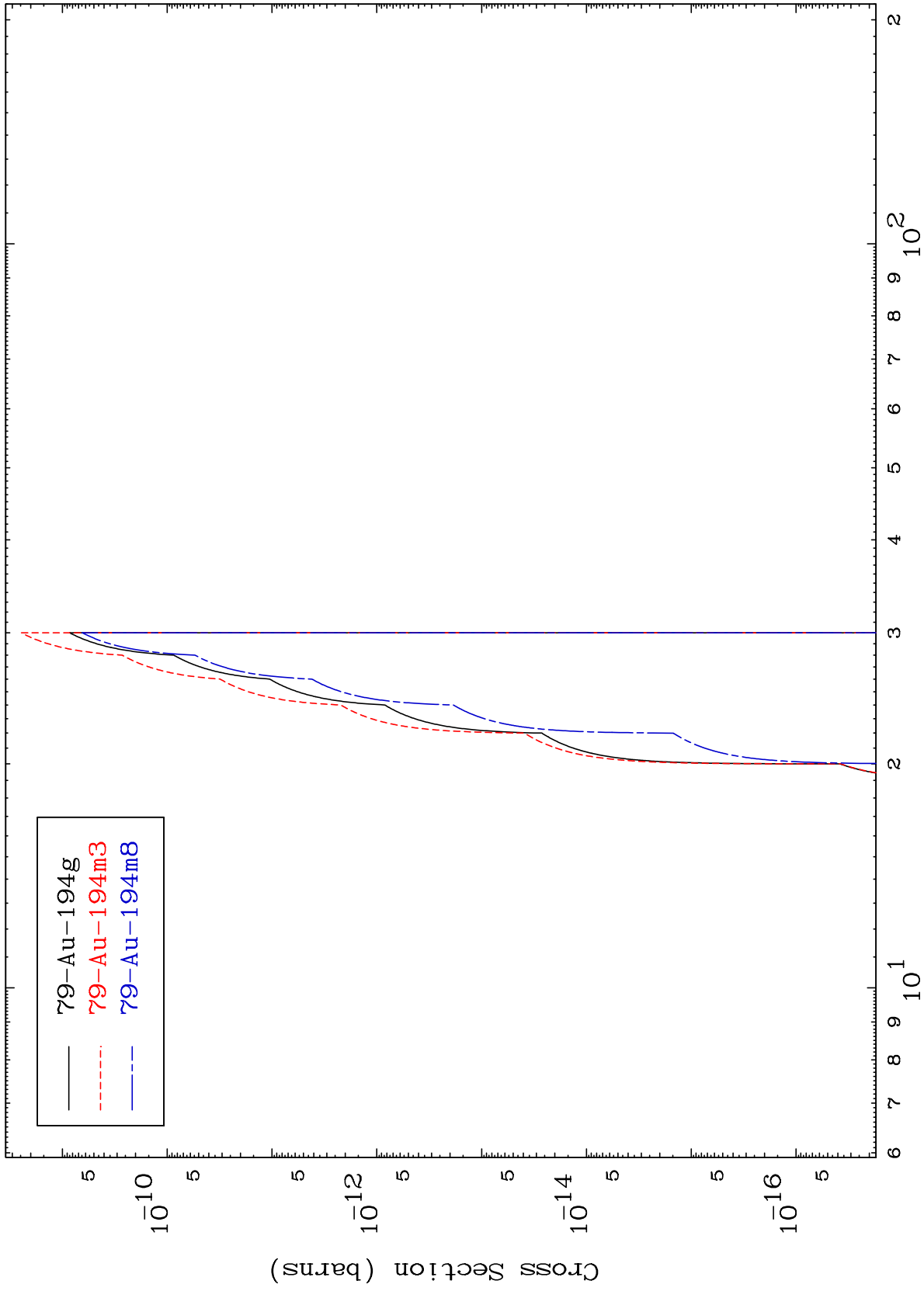
Incident Energy (MeV)

MAT 8022

$(\alpha, p) \alpha$

80-Hg-195

Radionuclide Production Cross Section



23

Incident Energy (MeV)

80-Hg-195