

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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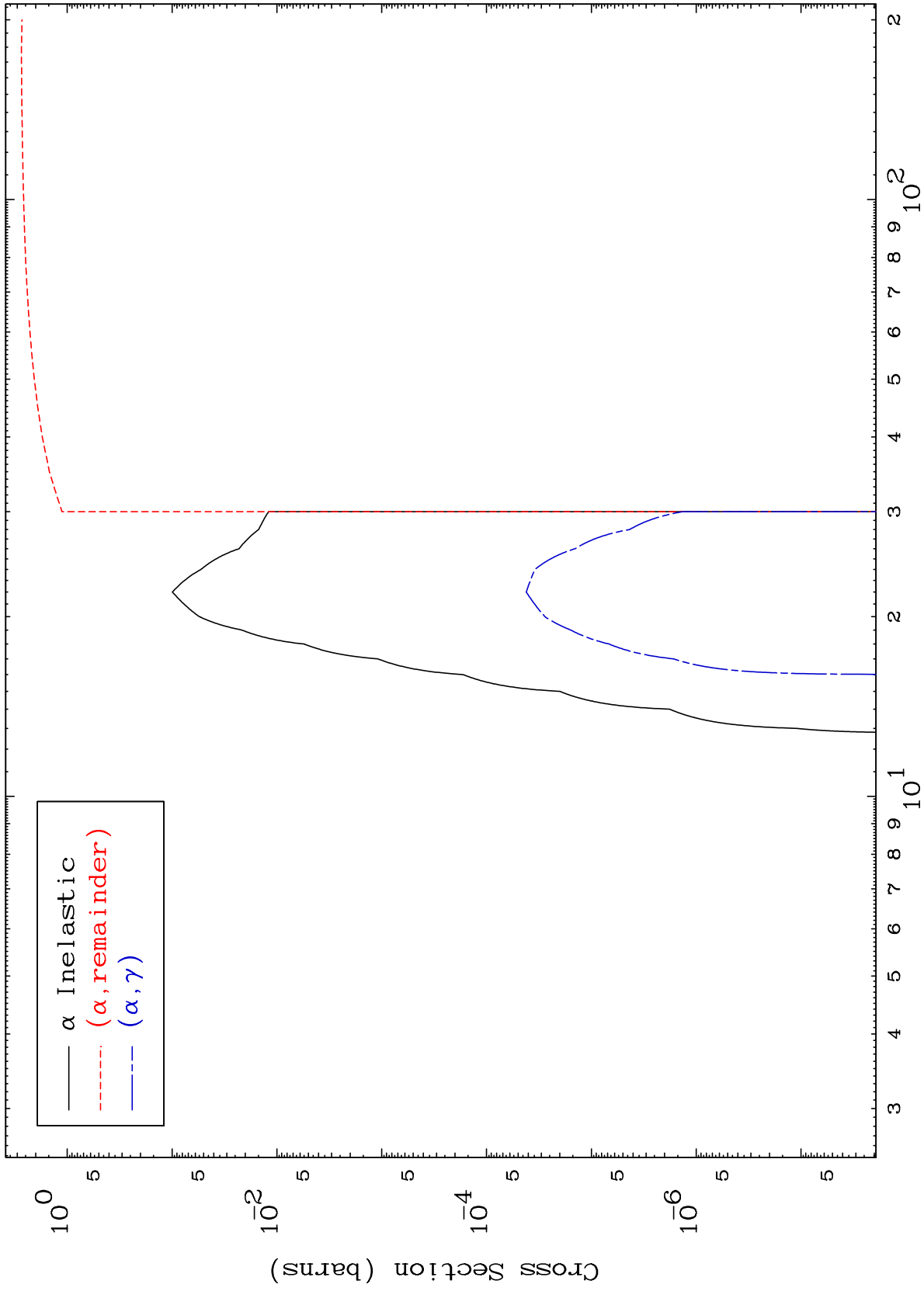
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8031

0 Kelvin  $\alpha$  Major  
Cross Sections

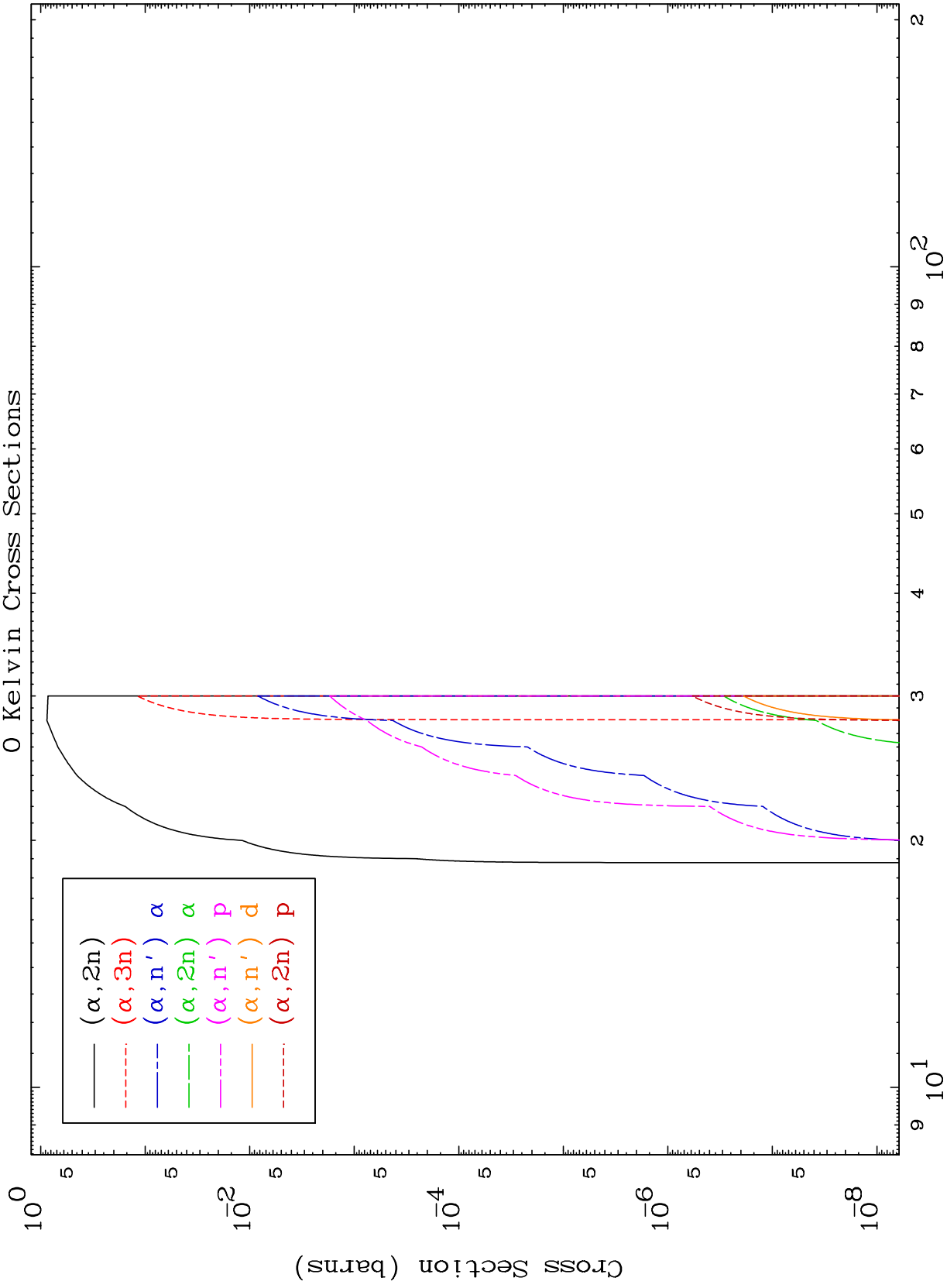
80-Hg-198



MAT 8031

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

80-Hg-198



2

Incident Energy (MeV)

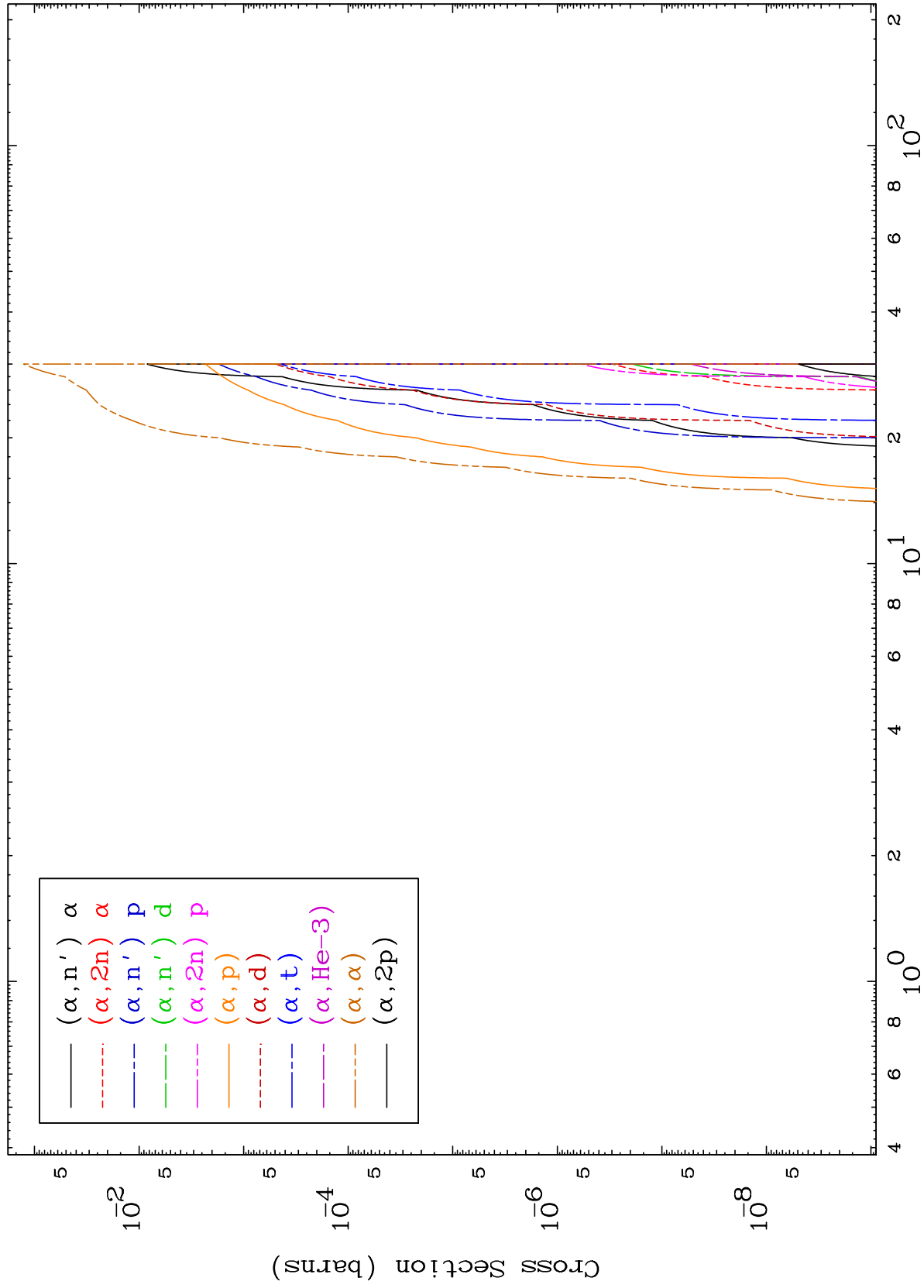
80-Hg-198

MAT 8031

$\alpha$  Charged Particle

80-Hg-198

0 Kelvin Cross Sections



3

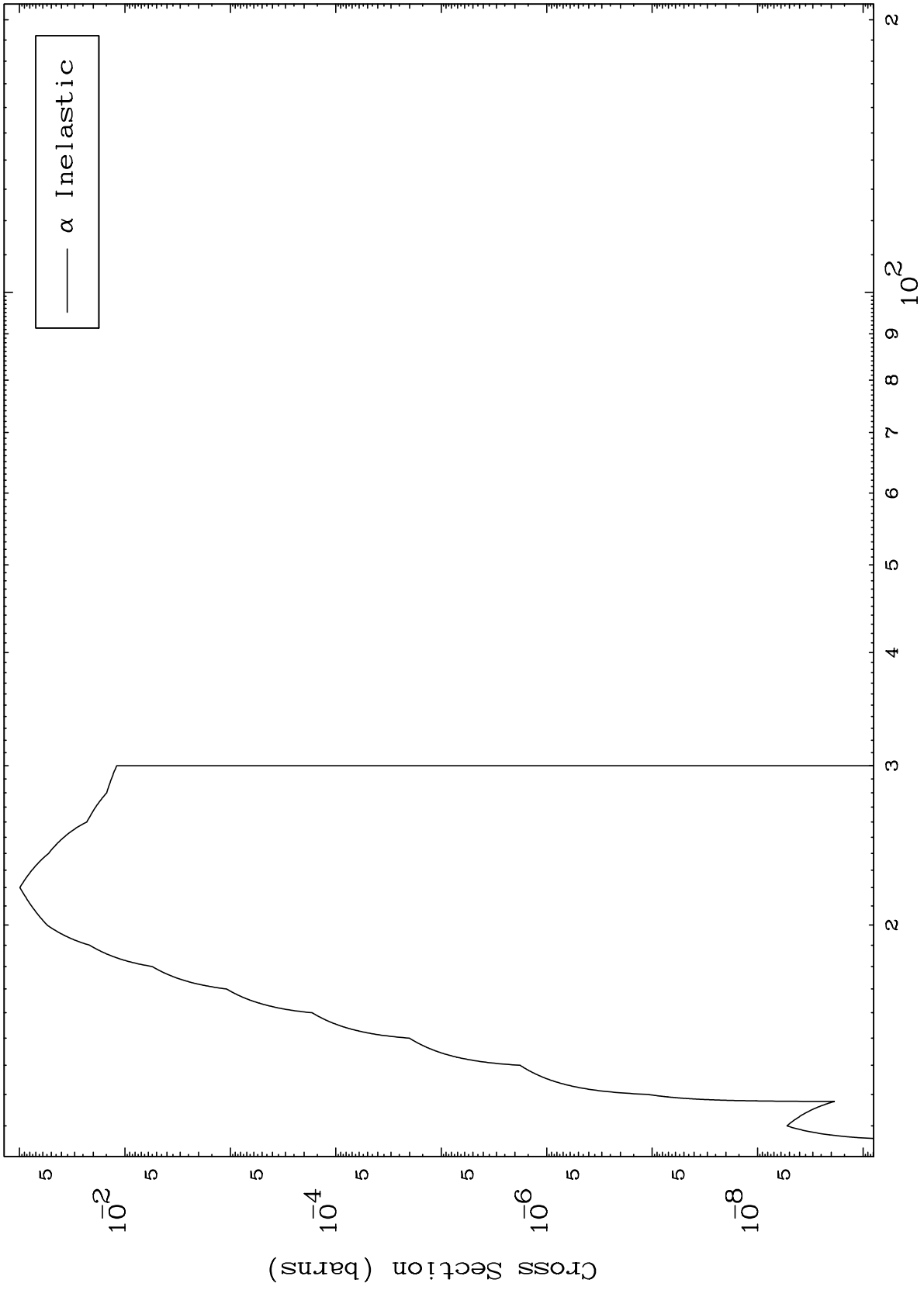
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



4

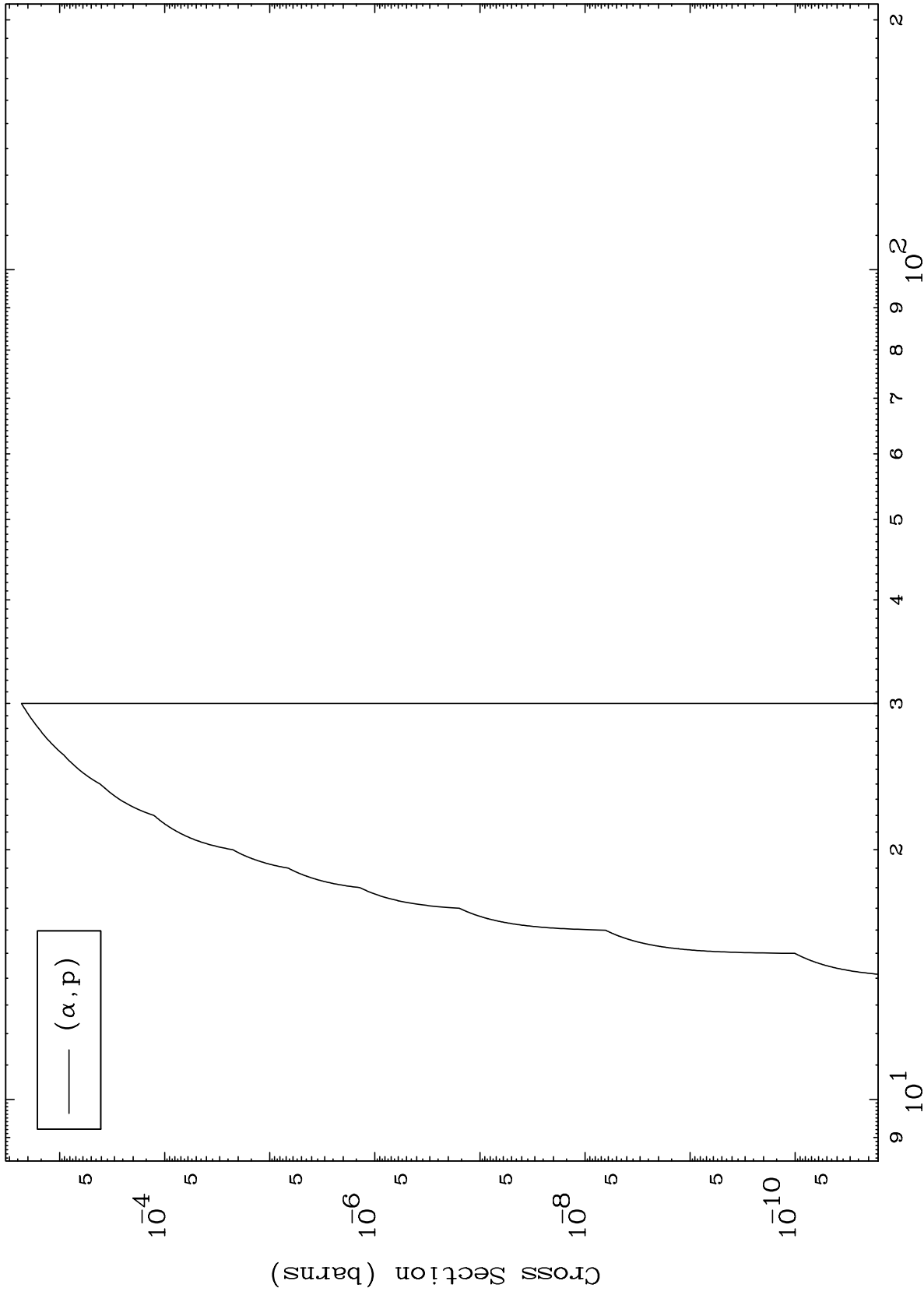
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



5

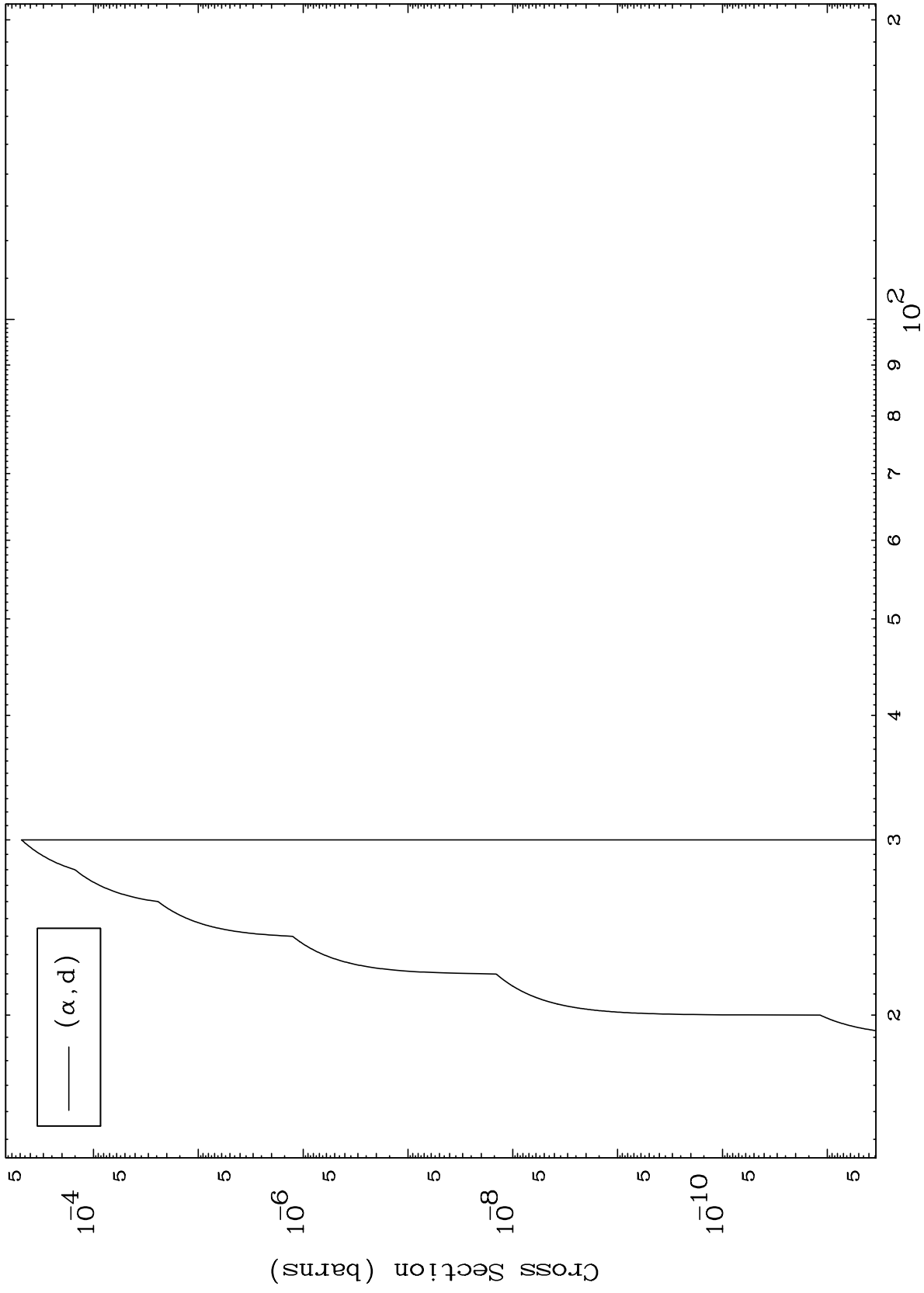
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

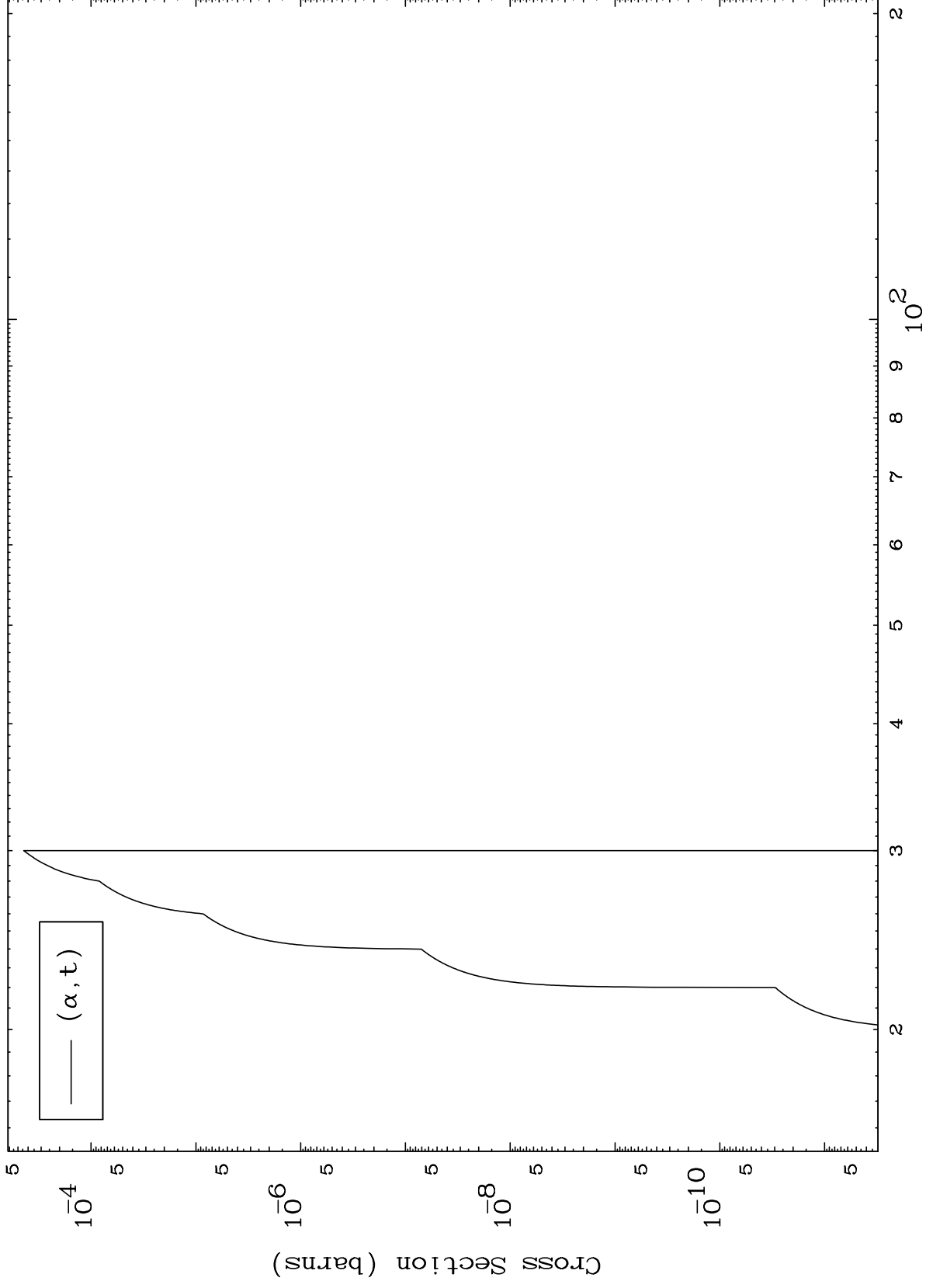
80-Hg-198



MAT 8031

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

80-Hg-198



7

Incident Energy (MeV)

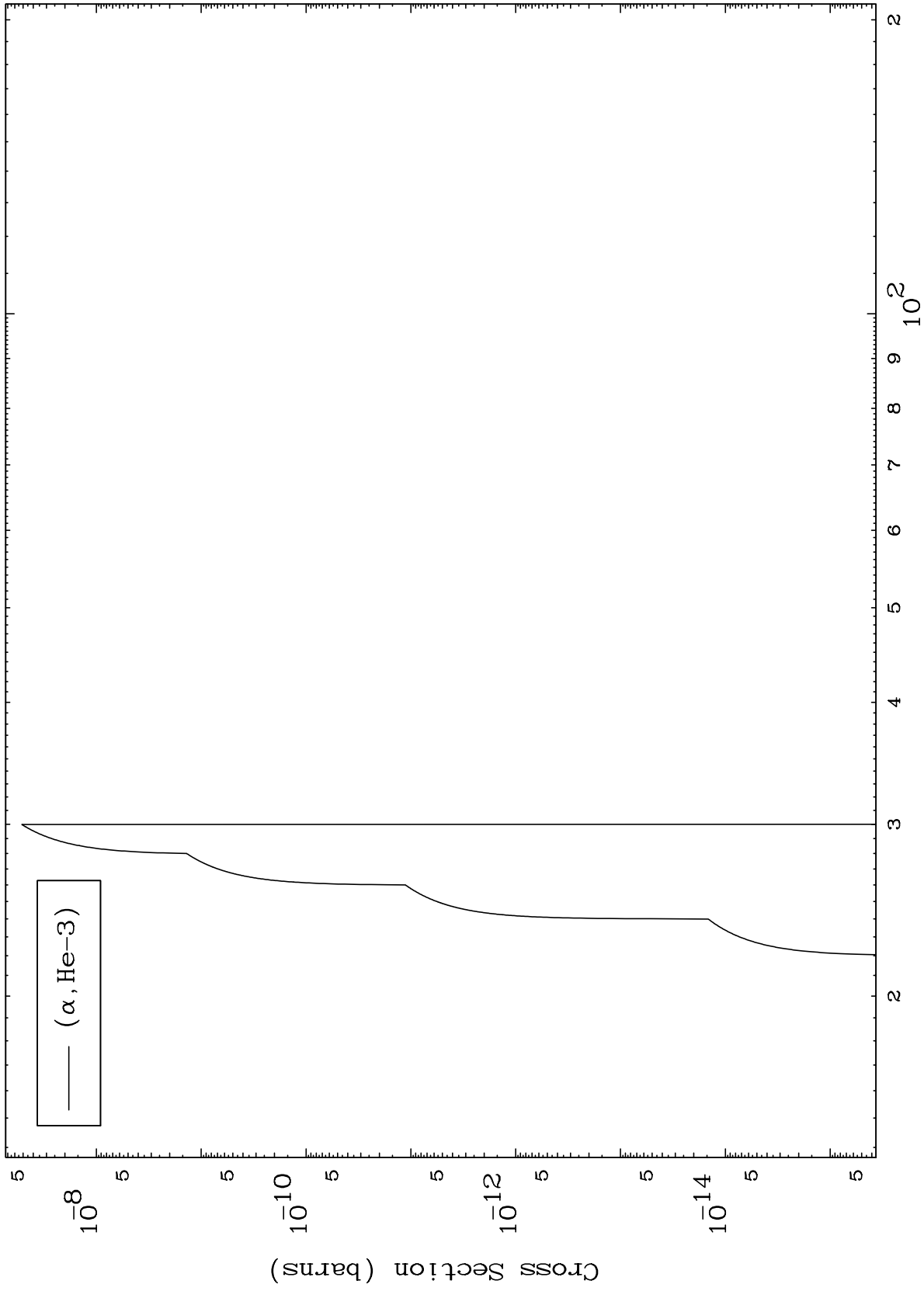
80-Hg-198



MAT 8031

( $\alpha$ ,He3) Levels  
0 Kelvin Cross Sections

80-Hg-198



8

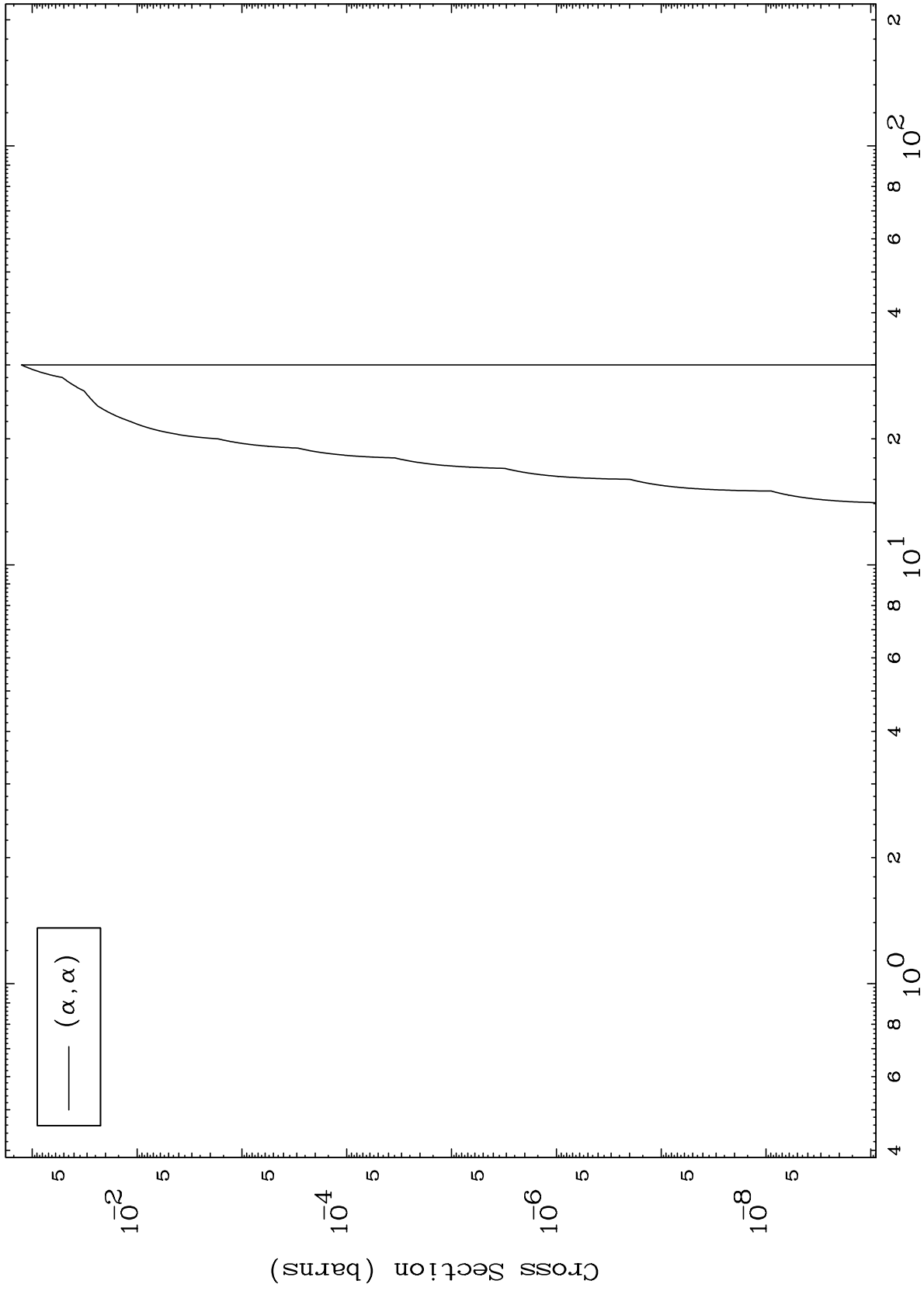
Incident Energy (MeV)

80-Hg-198

MAT 8031

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

80-Hg-198



9

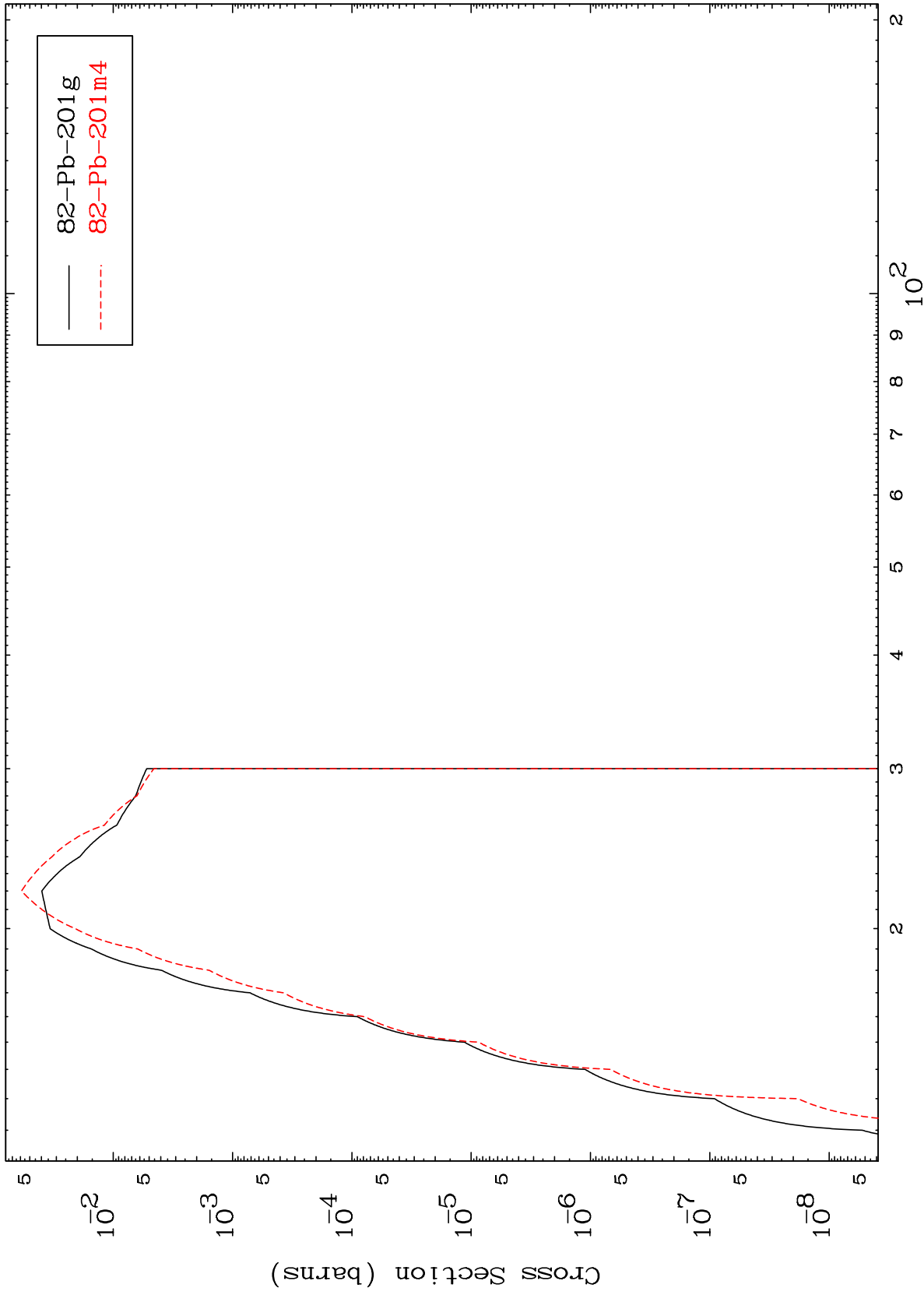
Incident Energy (MeV)

80-Hg-198

MAT 8031

80-Hg-198

$\alpha$  Inelastic  
Radionuclide Production Cross Section



10

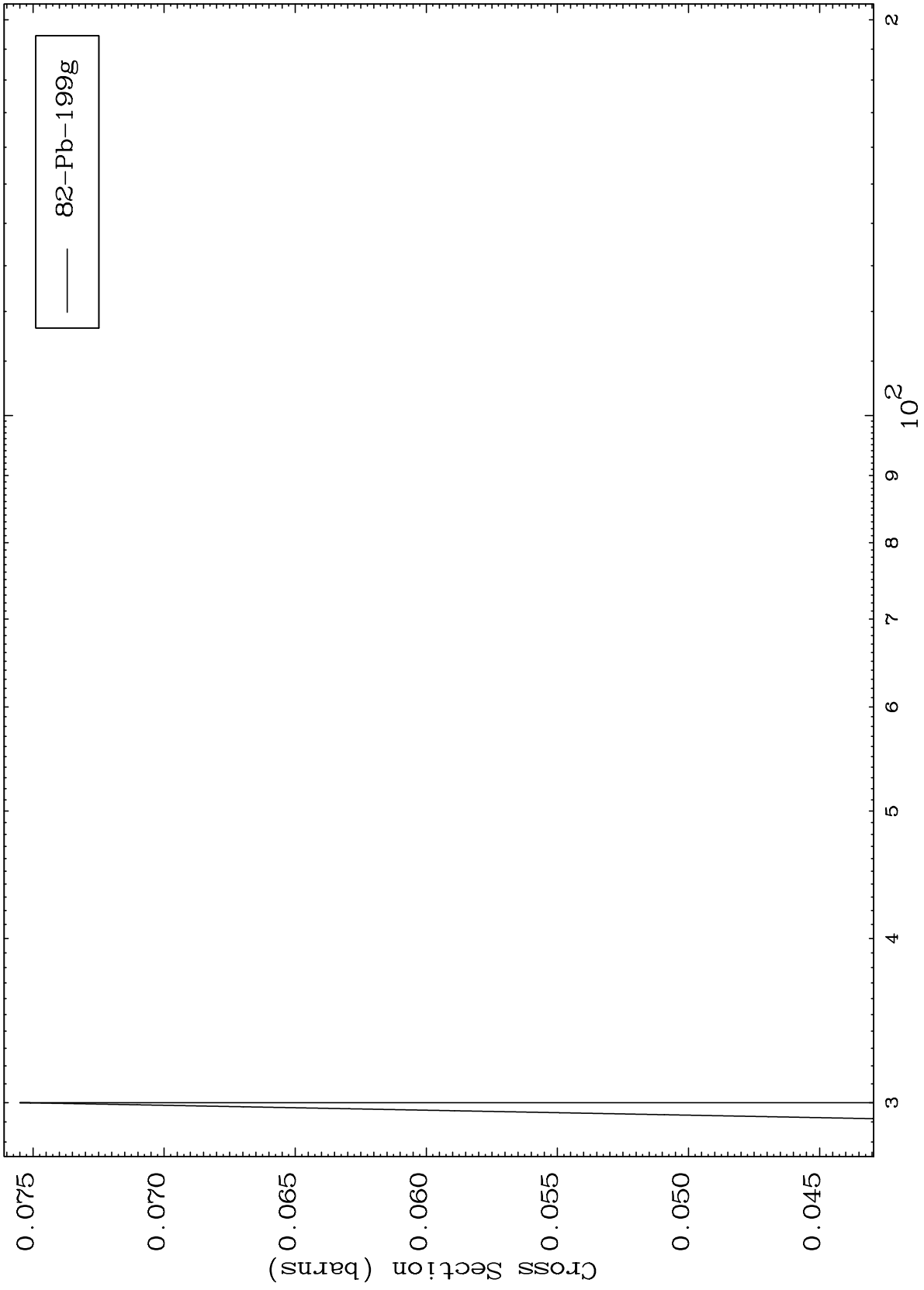
Incident Energy (MeV)

80-Hg-198

MAT 8031

80-Hg-198

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



11

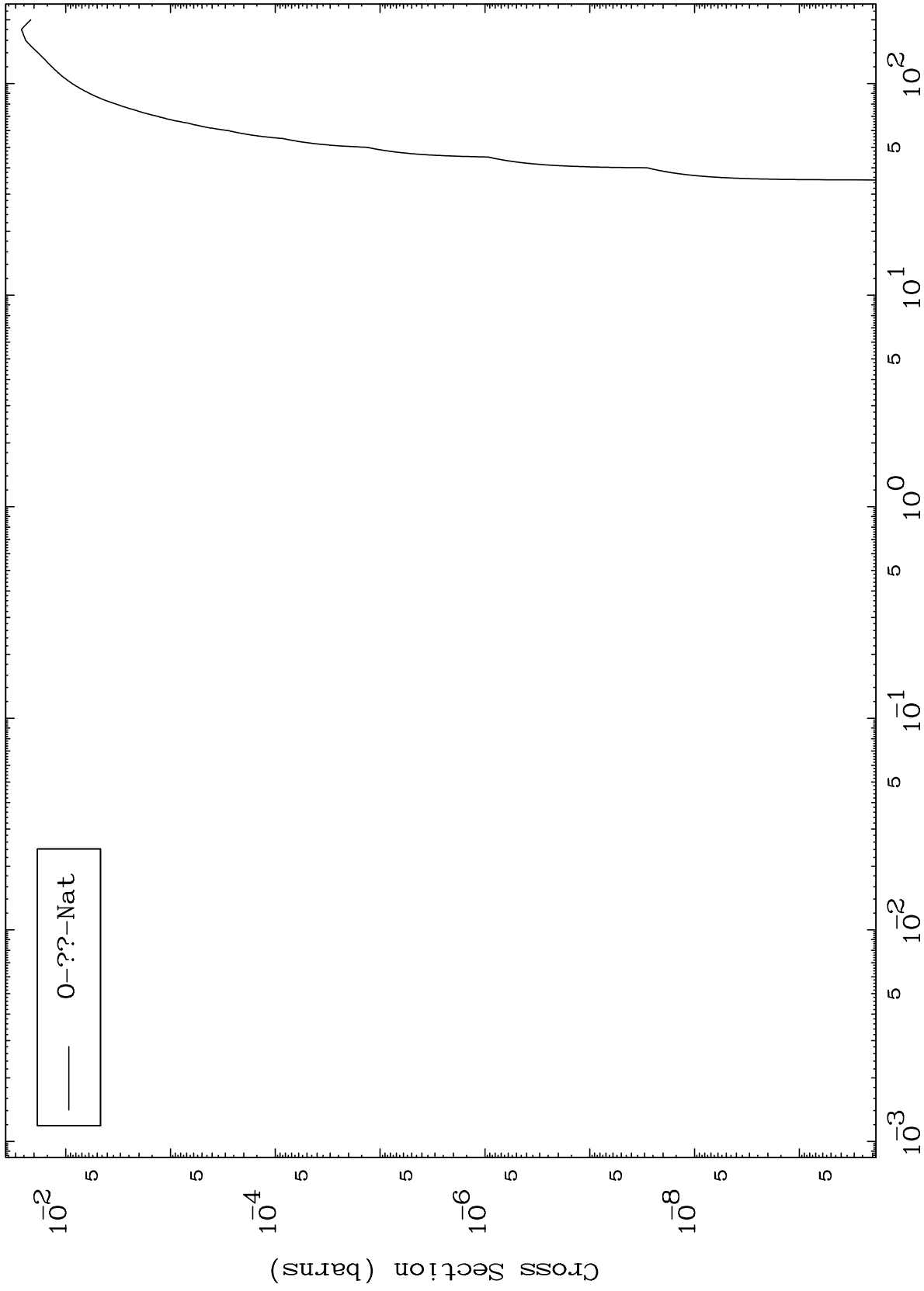
Incident Energy (MeV)

80-Hg-198

MAT 8031

$\alpha$  Fission  
Radionuclide Production Cross Section

80-Hg-198



12

Incident Energy (MeV)

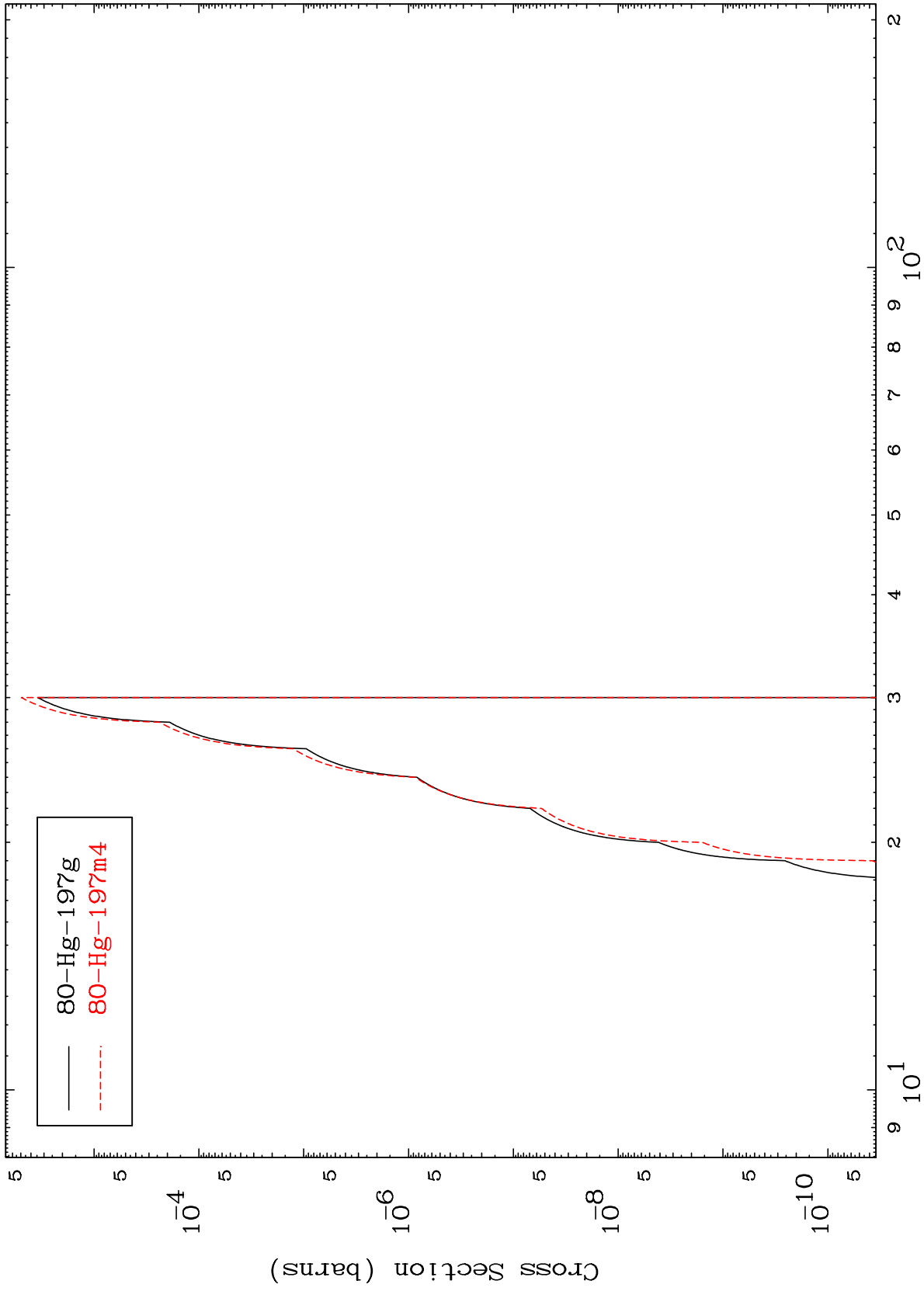
80-Hg-198

MAT 8031

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

80-Hg-198

Radionuclide Production Cross Section



13

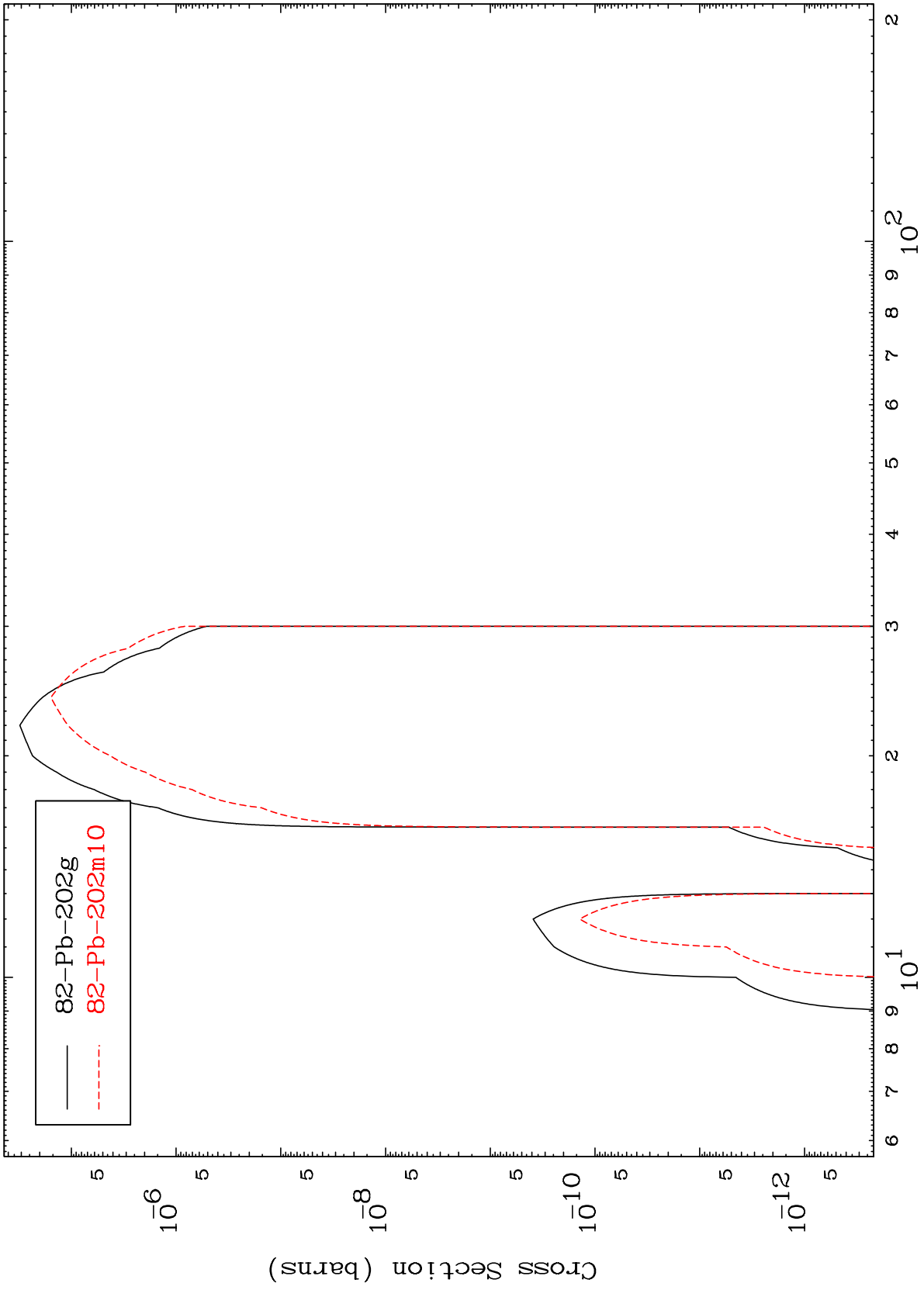
Incident Energy (MeV)

80-Hg-198

MAT 8031

80-Hg-198

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



14

Incident Energy (MeV)

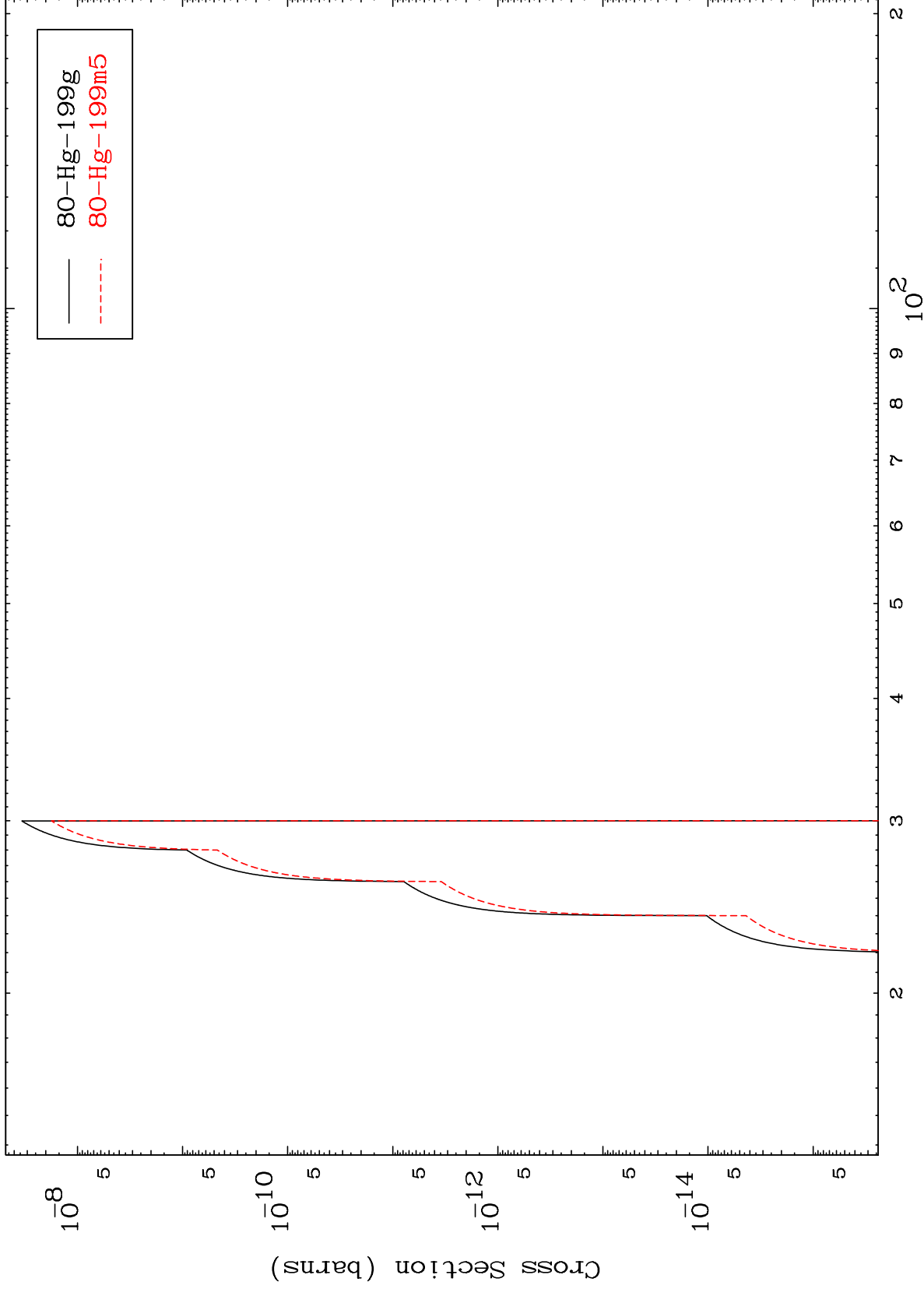
80-Hg-198

MAT 8031

( $\alpha, \text{He-3}$ )

80-Hg-198

Radionuclide Production Cross Section



15

Incident Energy (MeV)

80-Hg-198