

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

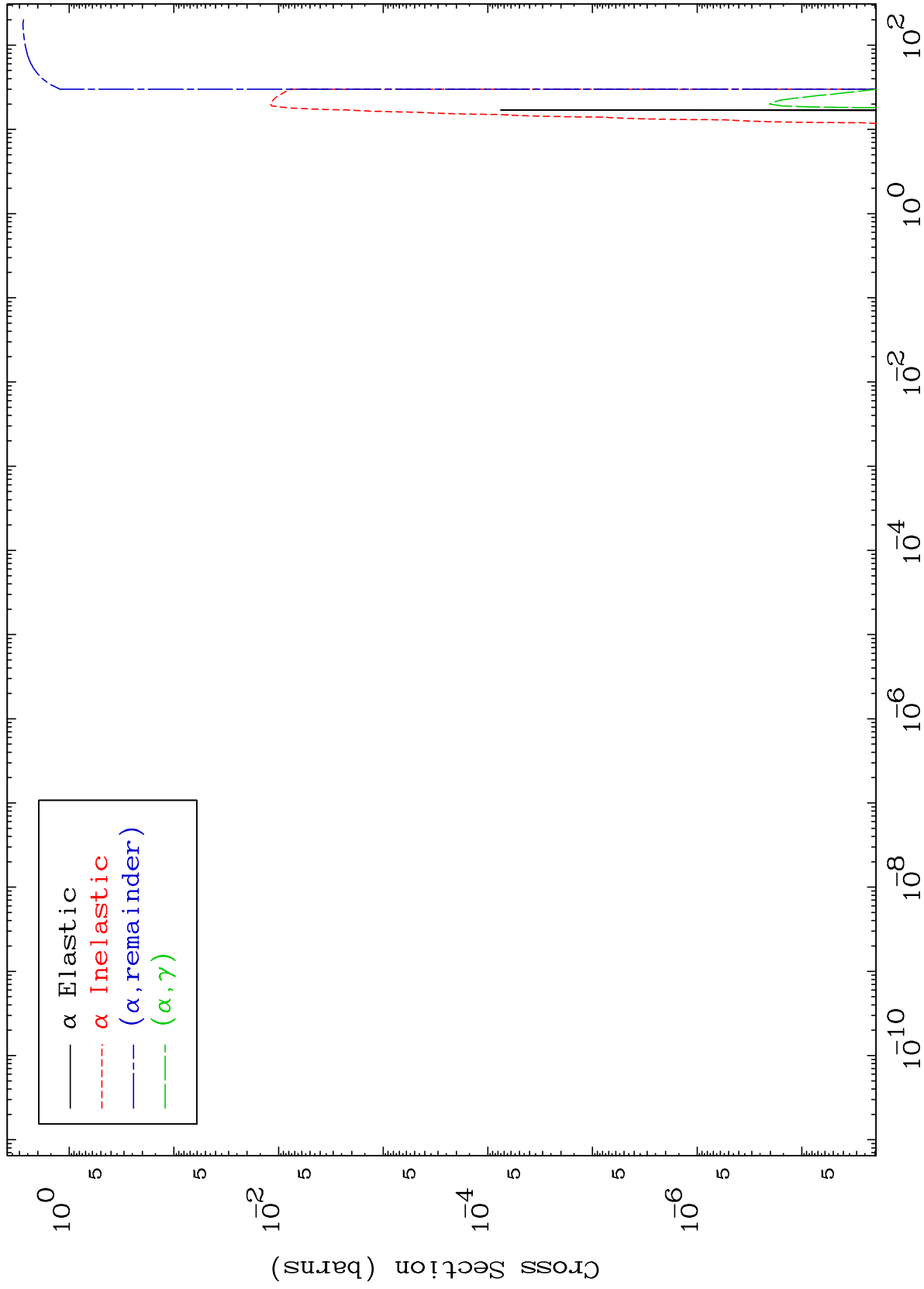
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7746

0 Kelvin  $\alpha$  Major  
Cross Sections

77-Ir-198



77-Ir-198

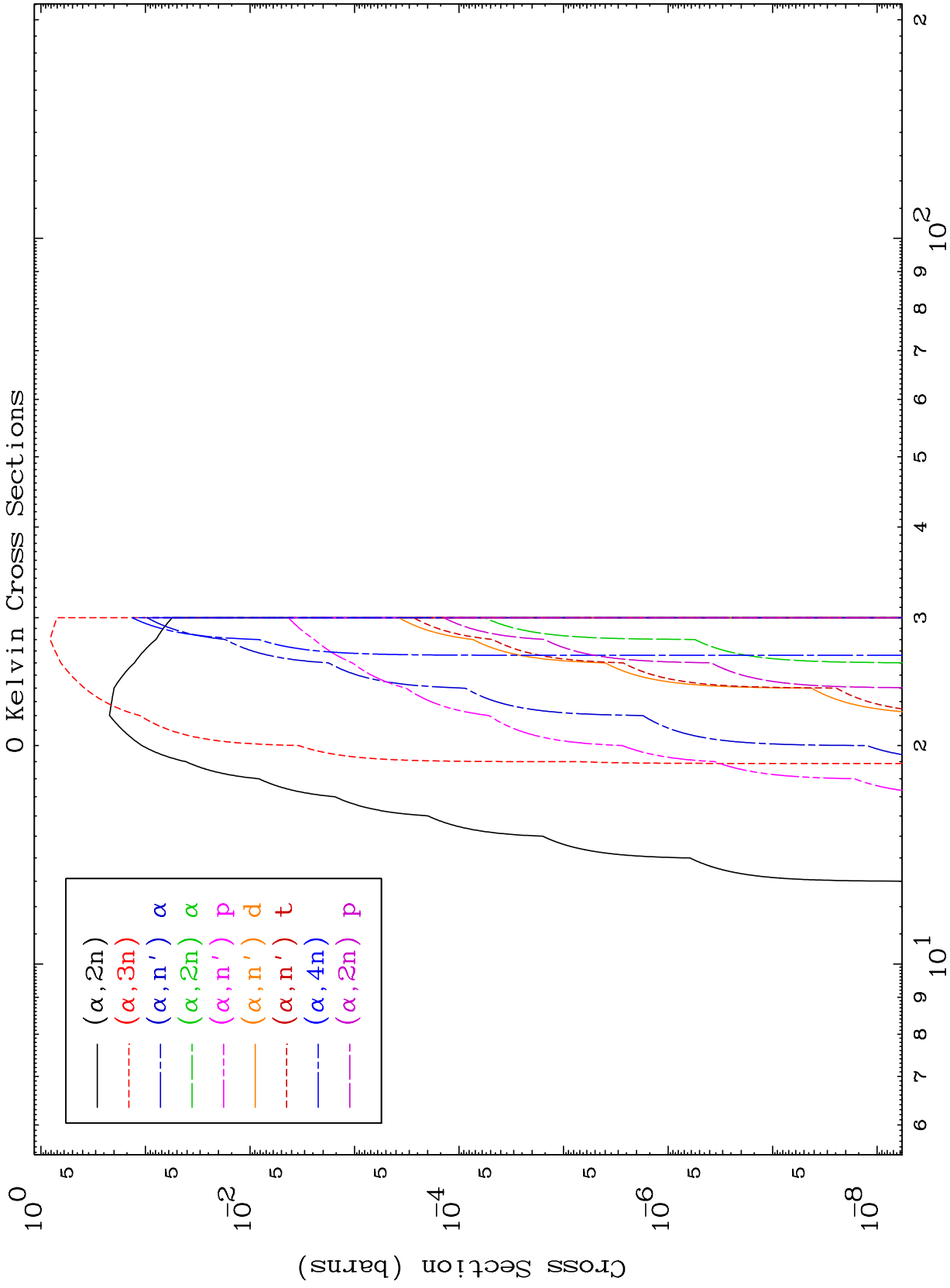
Incident Energy (MeV)

1

MAT 7746

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

77-Ir-198



2

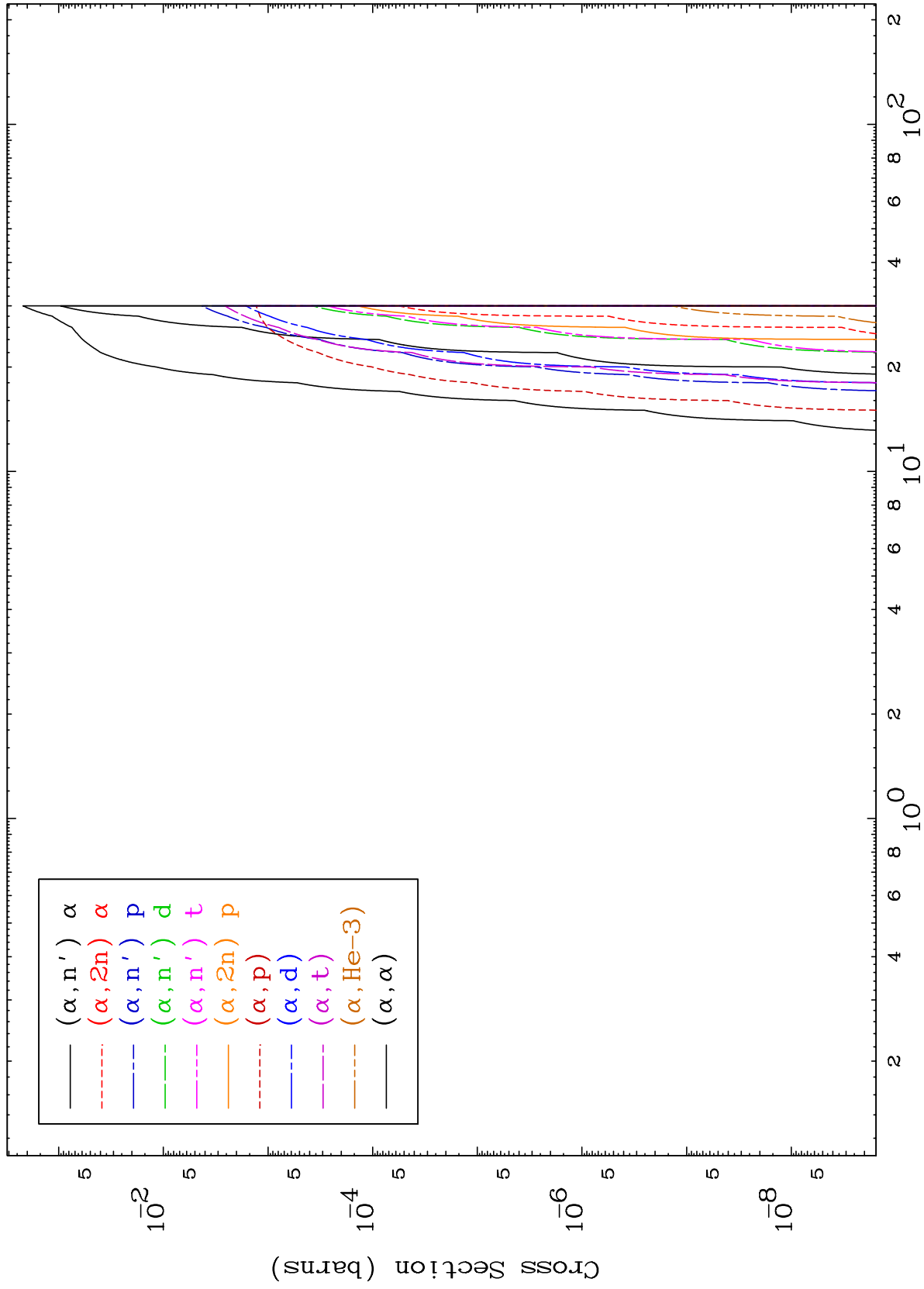
Incident Energy (MeV)

77-Ir-198

MAT 7746

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

77-Ir-198



3

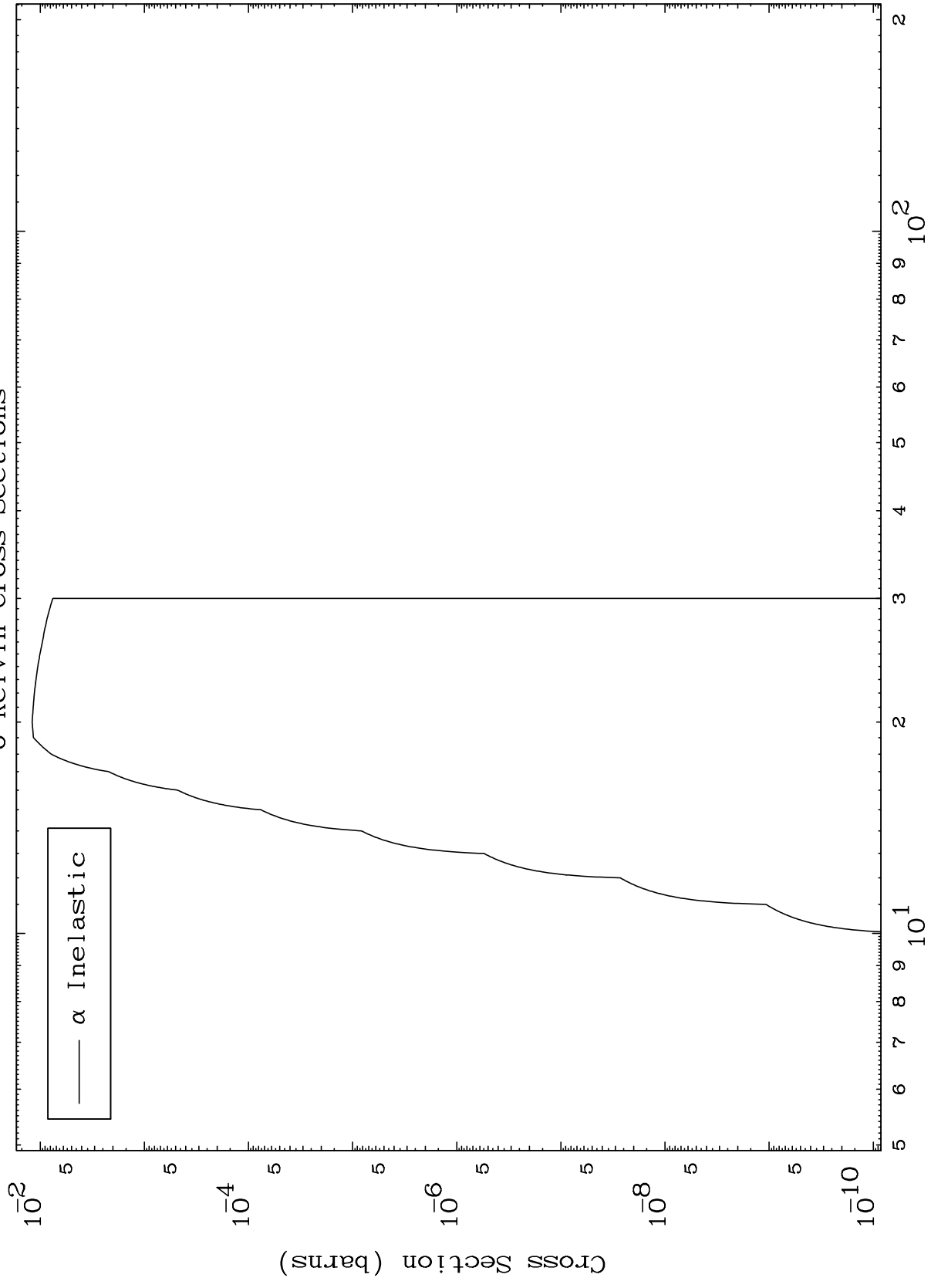
Incident Energy (MeV)

77-Ir-198

MAT 7746

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

77-Ir-198



4

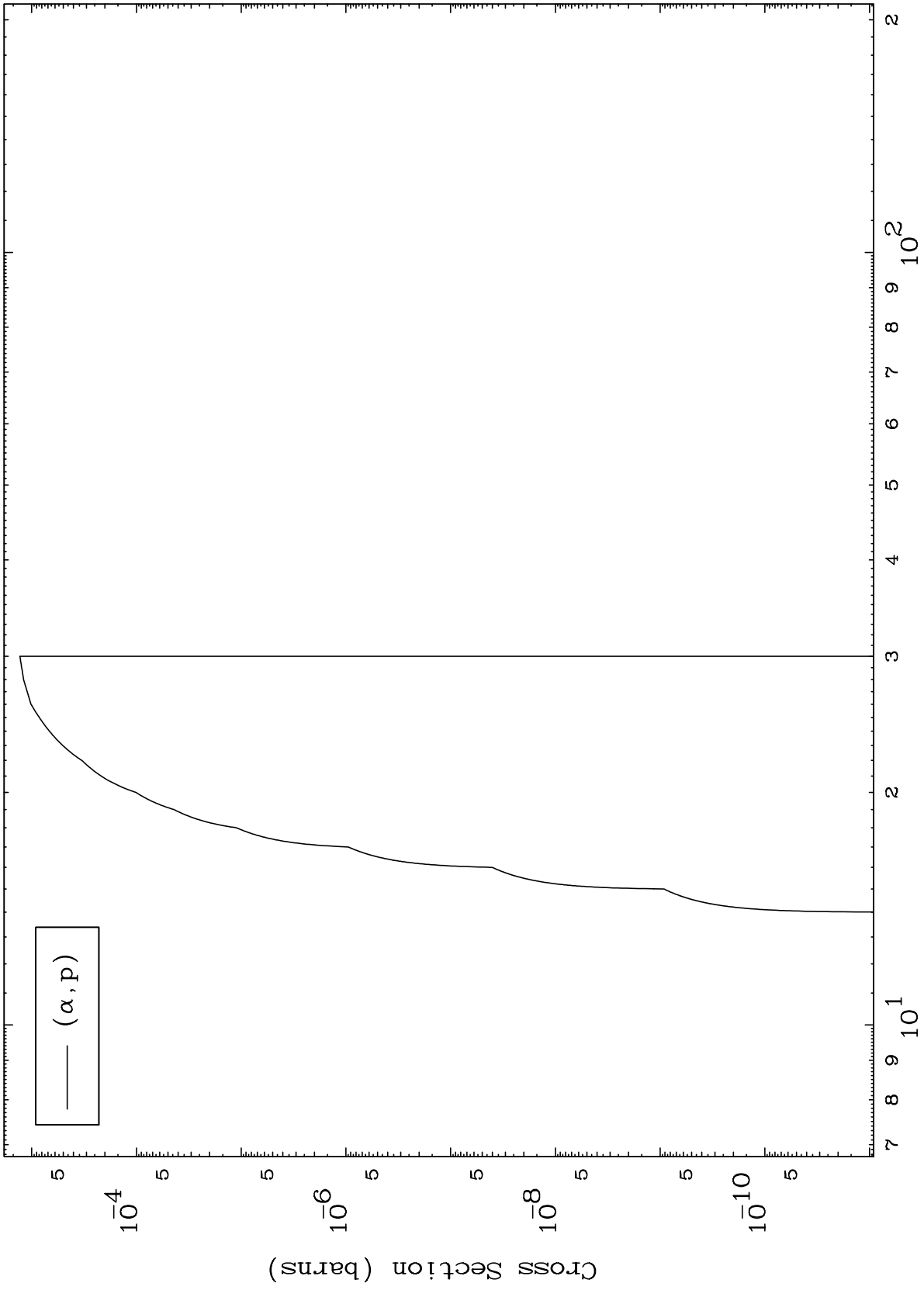
Incident Energy (MeV)

77-Ir-198

MAT 7746

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

77-Ir-198



5

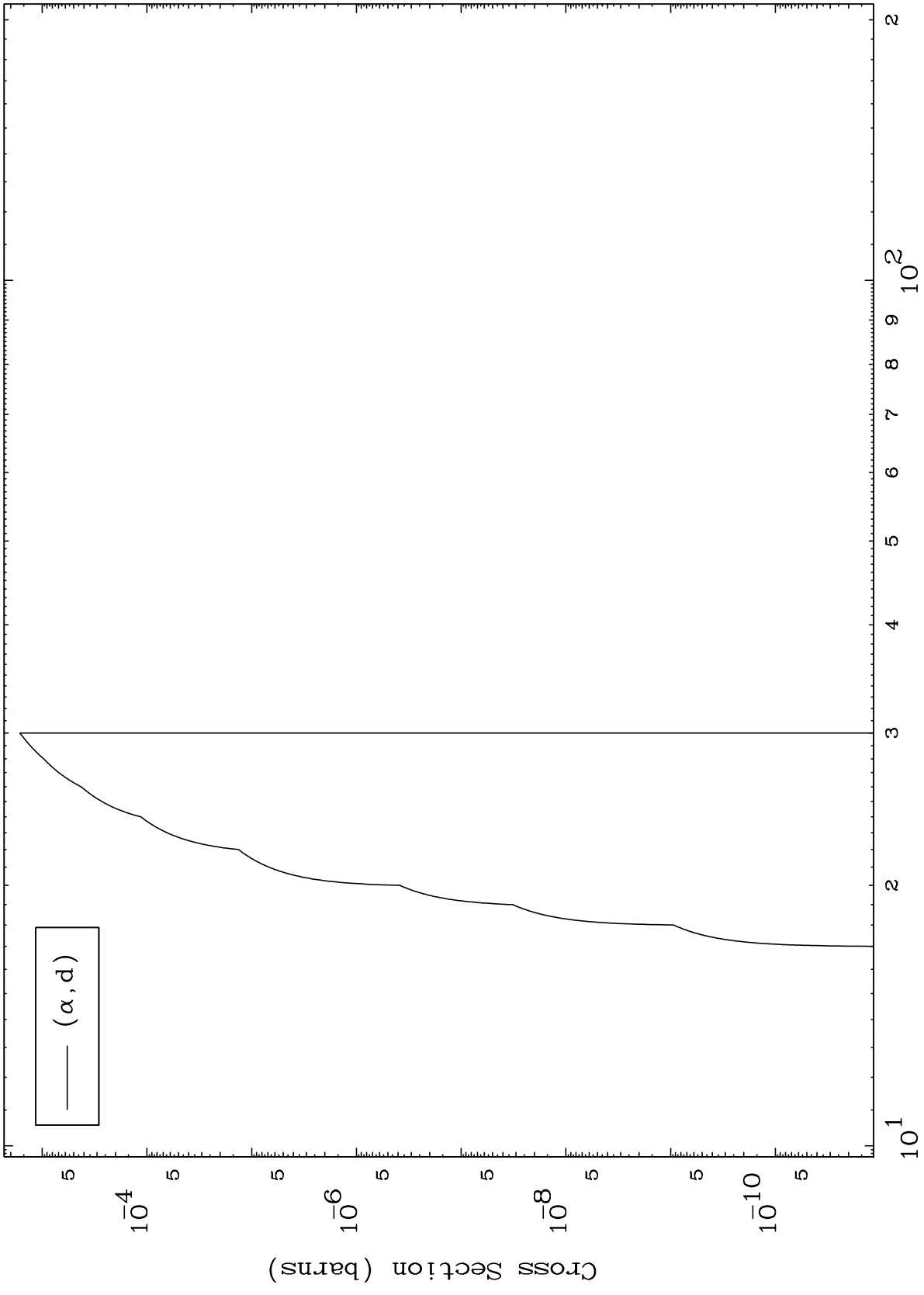
Incident Energy (MeV)

77-Ir-198

MAT 7746

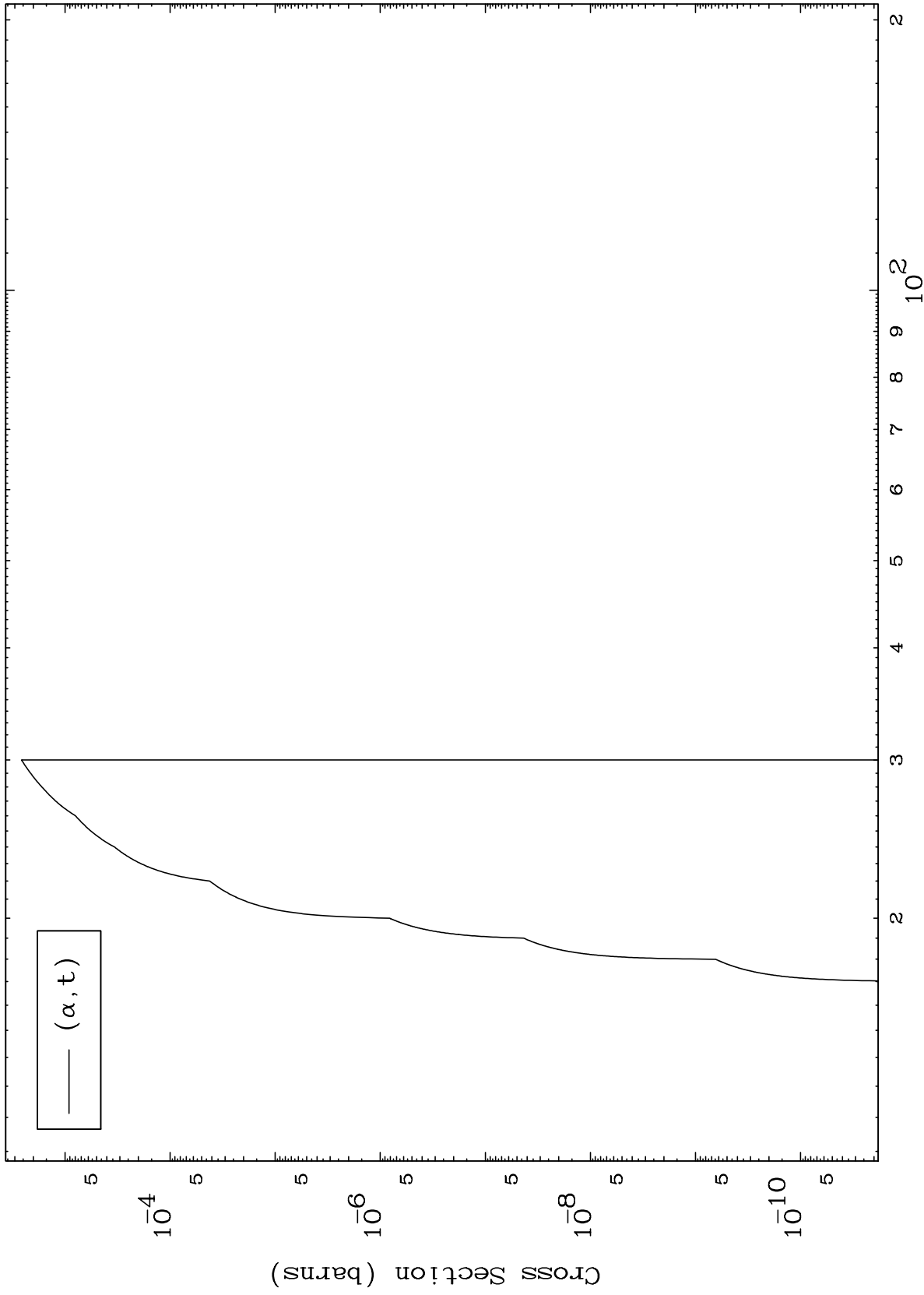
( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

77-Ir-198



Incident Energy (MeV)

77-Ir-198

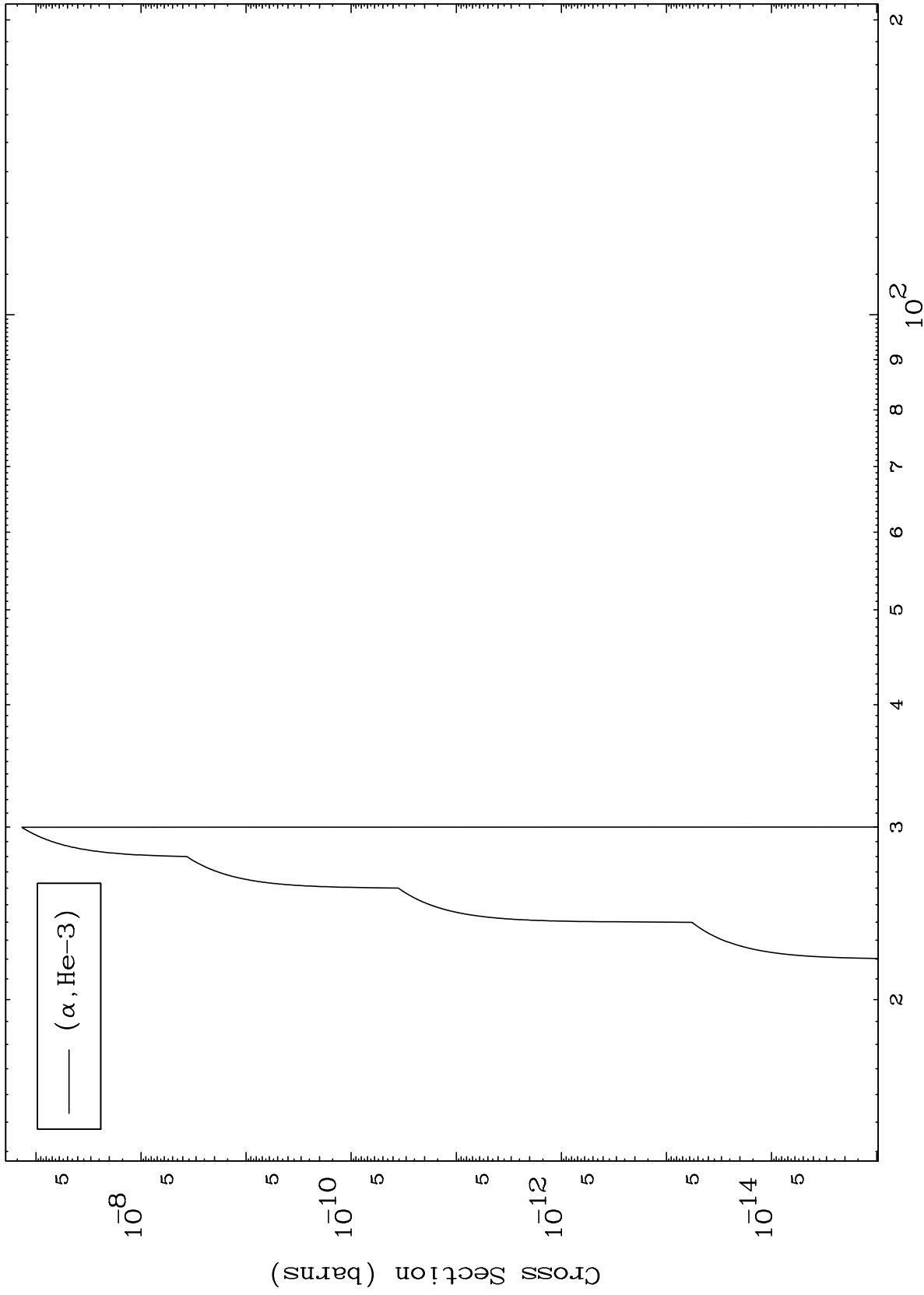




MAT 7746

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

77-Ir-198



8

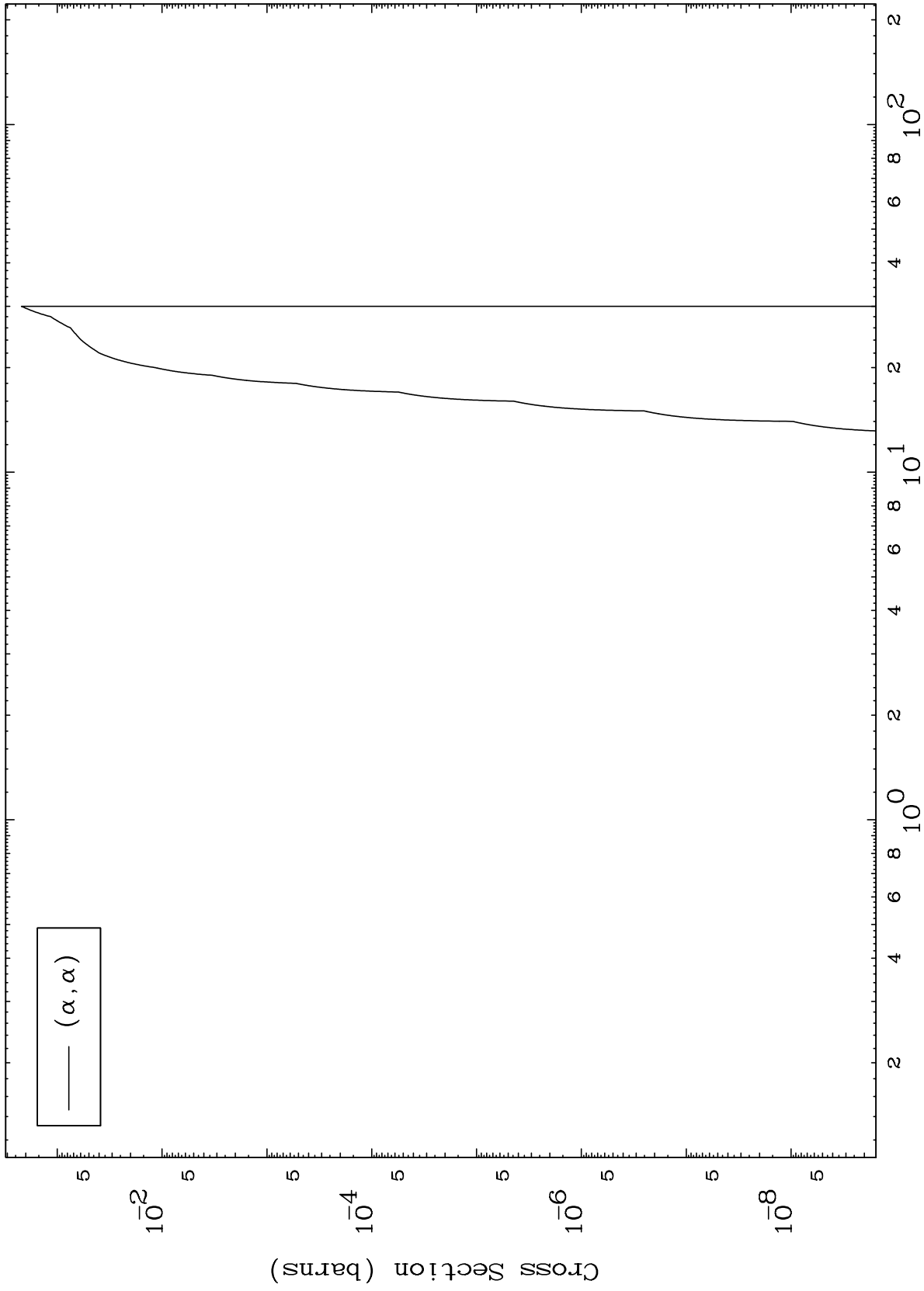
Incident Energy (MeV)

77-Ir-198

MAT 7746

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

77-Ir-198

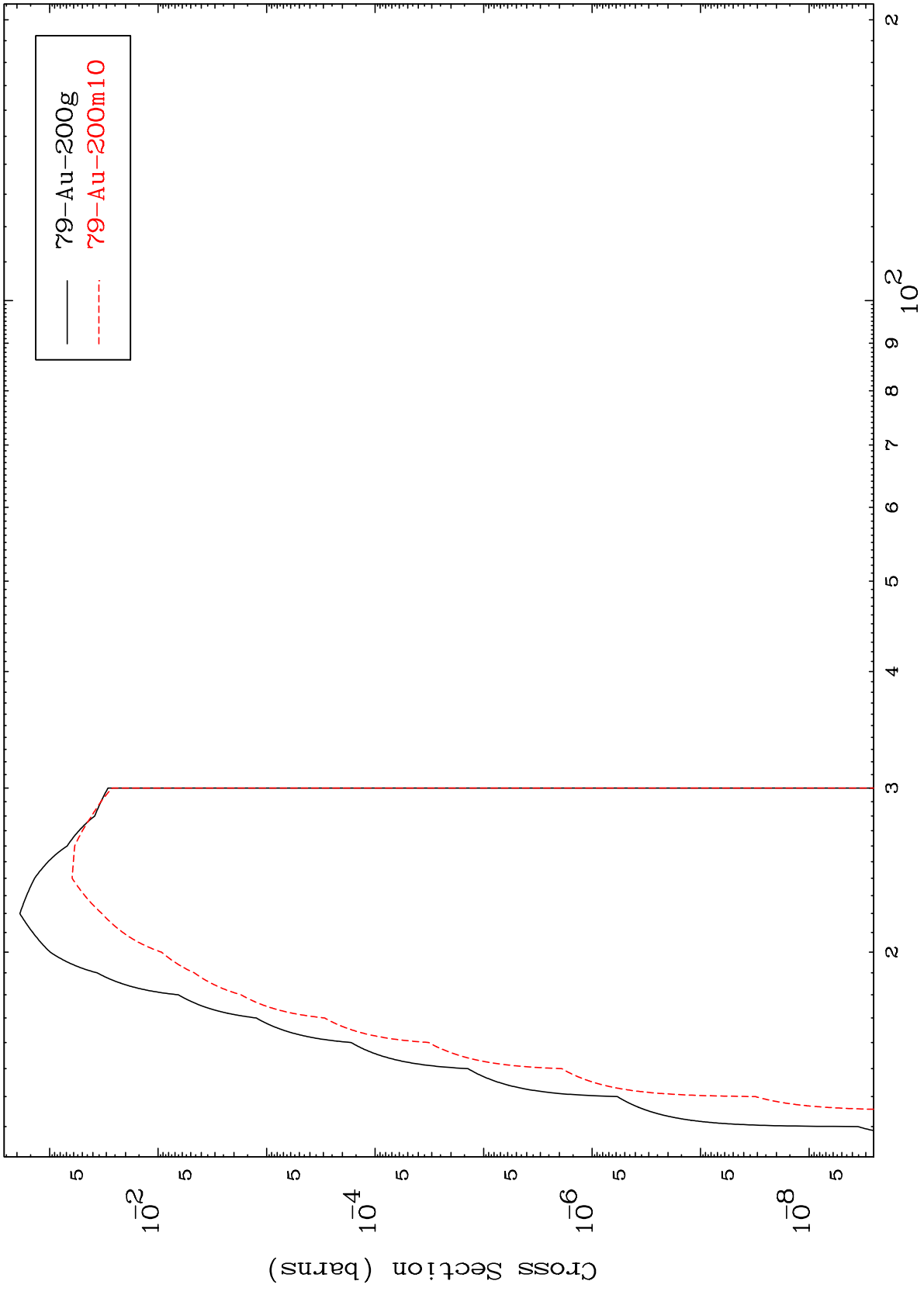


MAT 7746

( $\alpha, 2n$ )

77-Ir-198

Radionuclide Production Cross Section



10

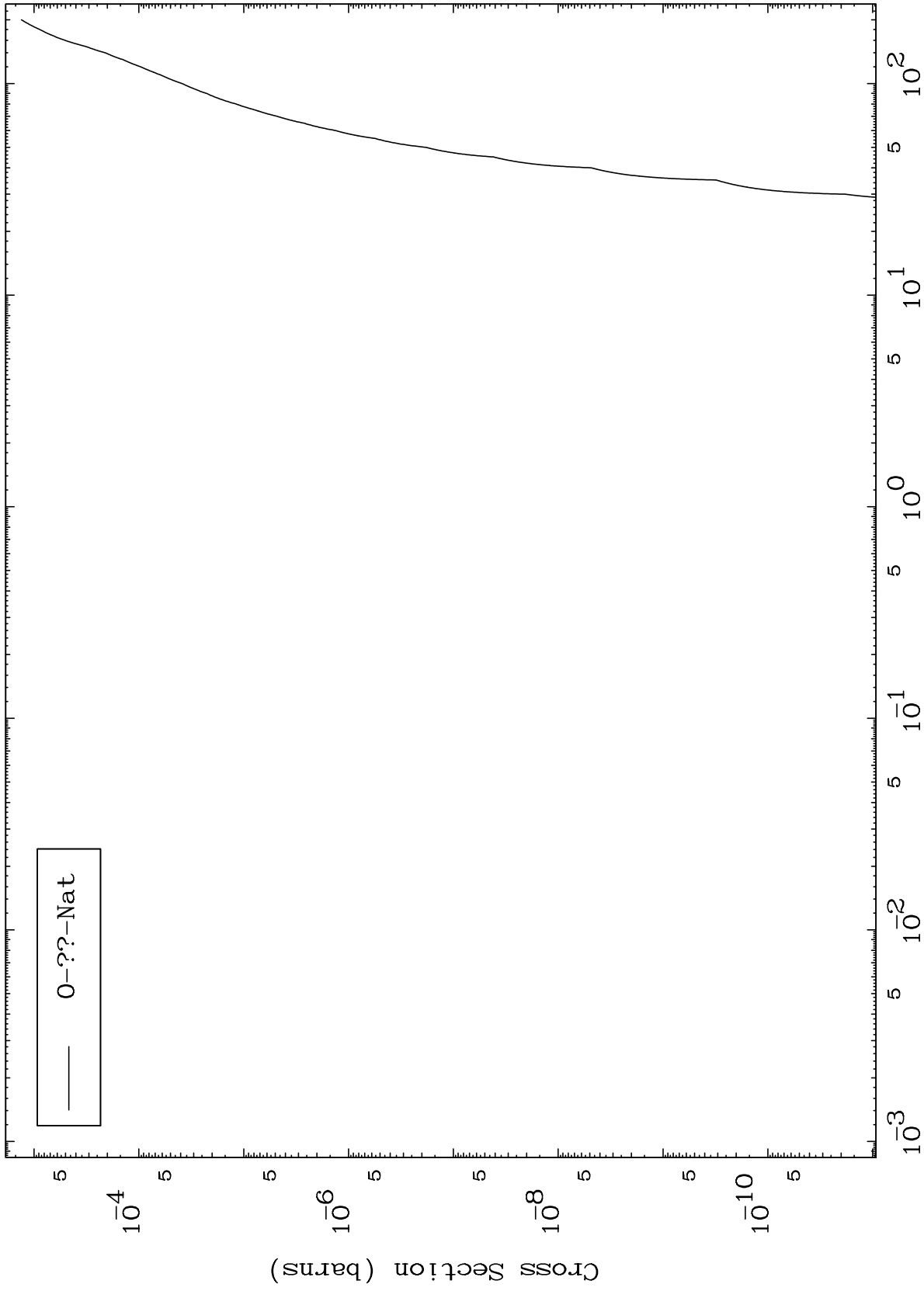
Incident Energy (MeV)

77-Ir-198

MAT 7746

$\alpha$  Fission  
Radionuclide Production Cross Section

77-Ir-198



11

Incident Energy (MeV)

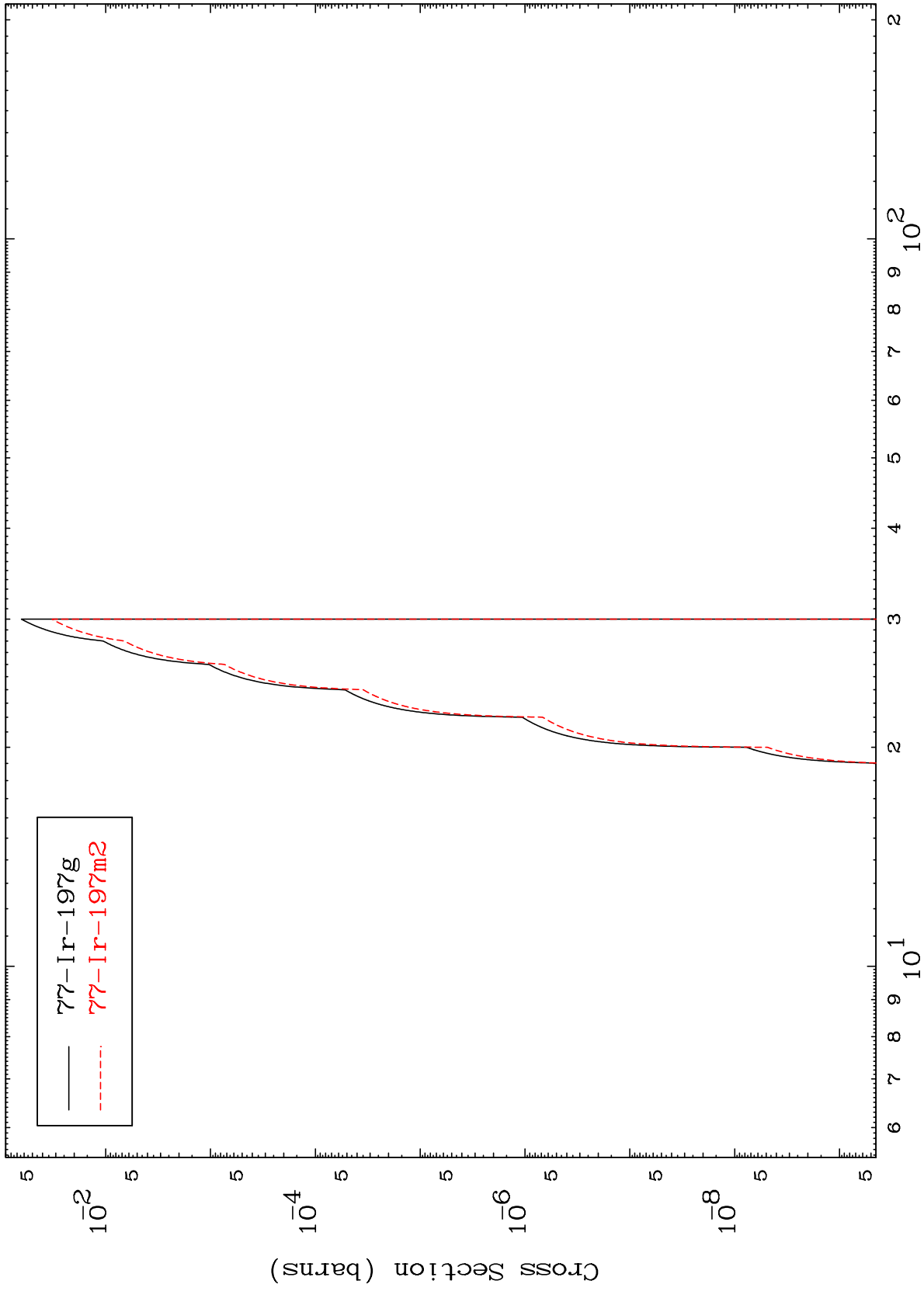
77-Ir-198

MAT 7746

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

77-Ir-198

Radionuclide Production Cross Section



77-Ir-197g  
77-Ir-197m2

12

Incident Energy (MeV)

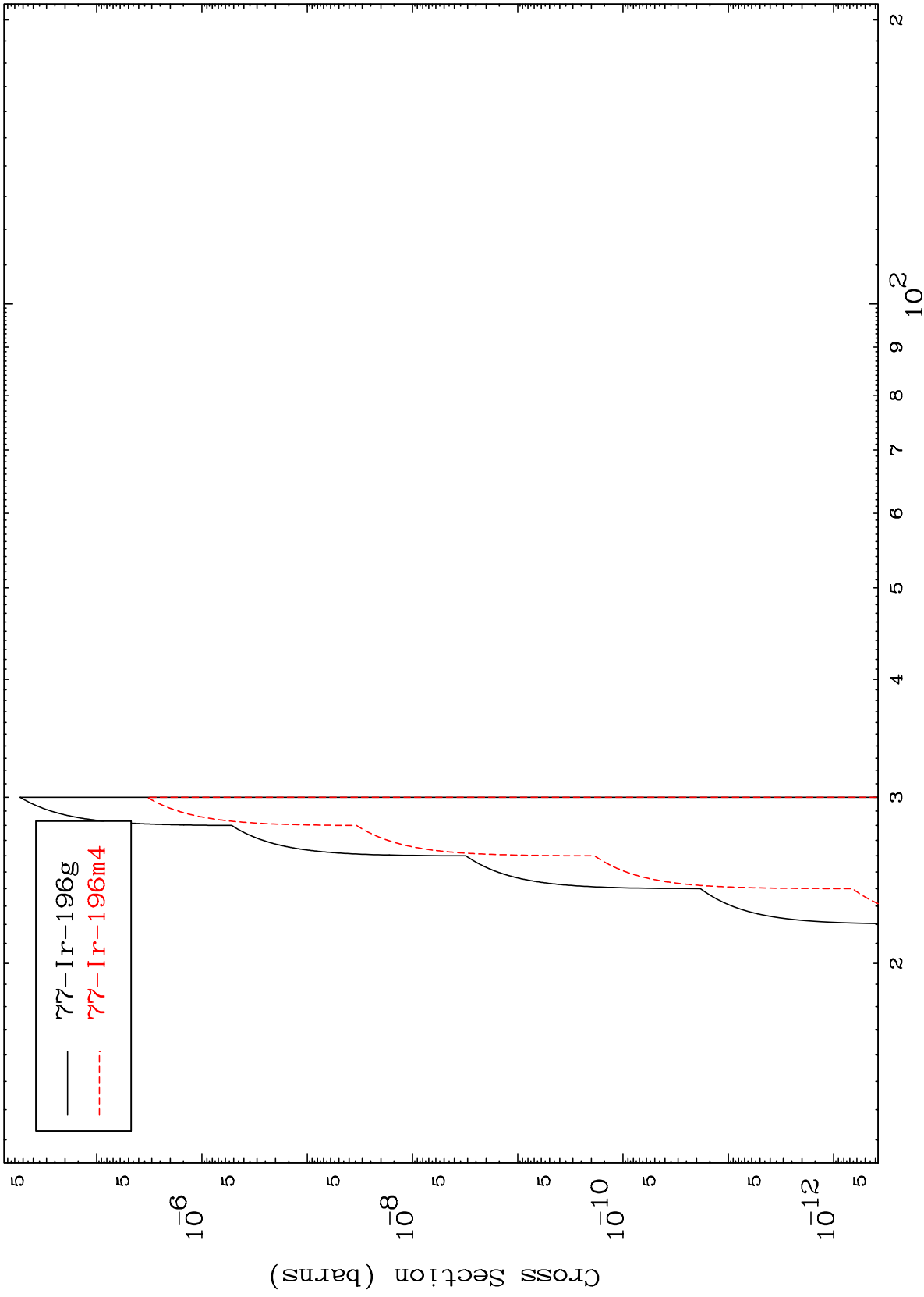
77-Ir-198

MAT 7746

$(\alpha, 2n) \alpha$

$^{77}\text{Ir-198}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

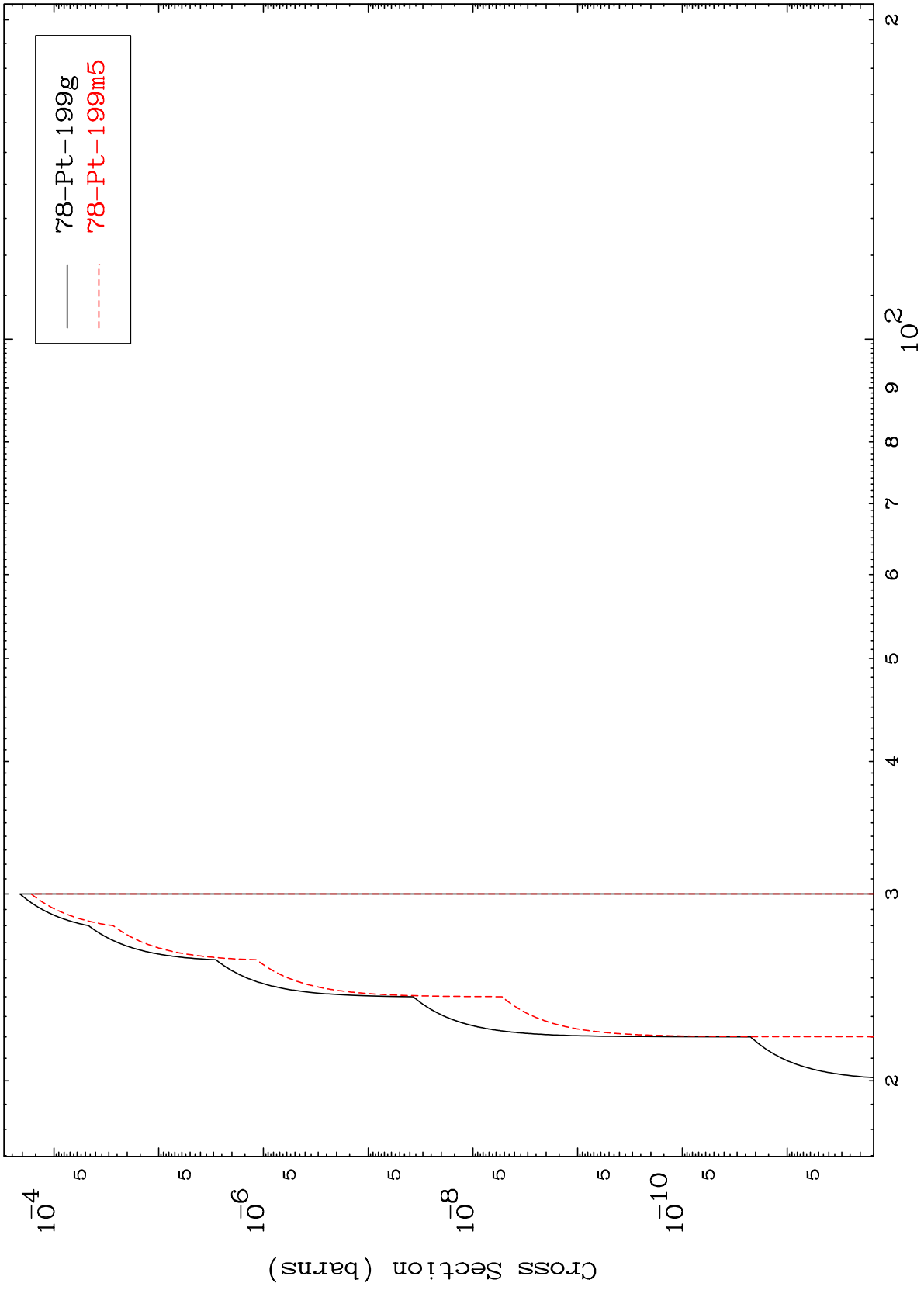
$^{77}\text{Ir-198}$

MAT 7746

( $\alpha, n'$ ) d

77-Ir-198

Radionuclide Production Cross Section



14

Incident Energy (MeV)

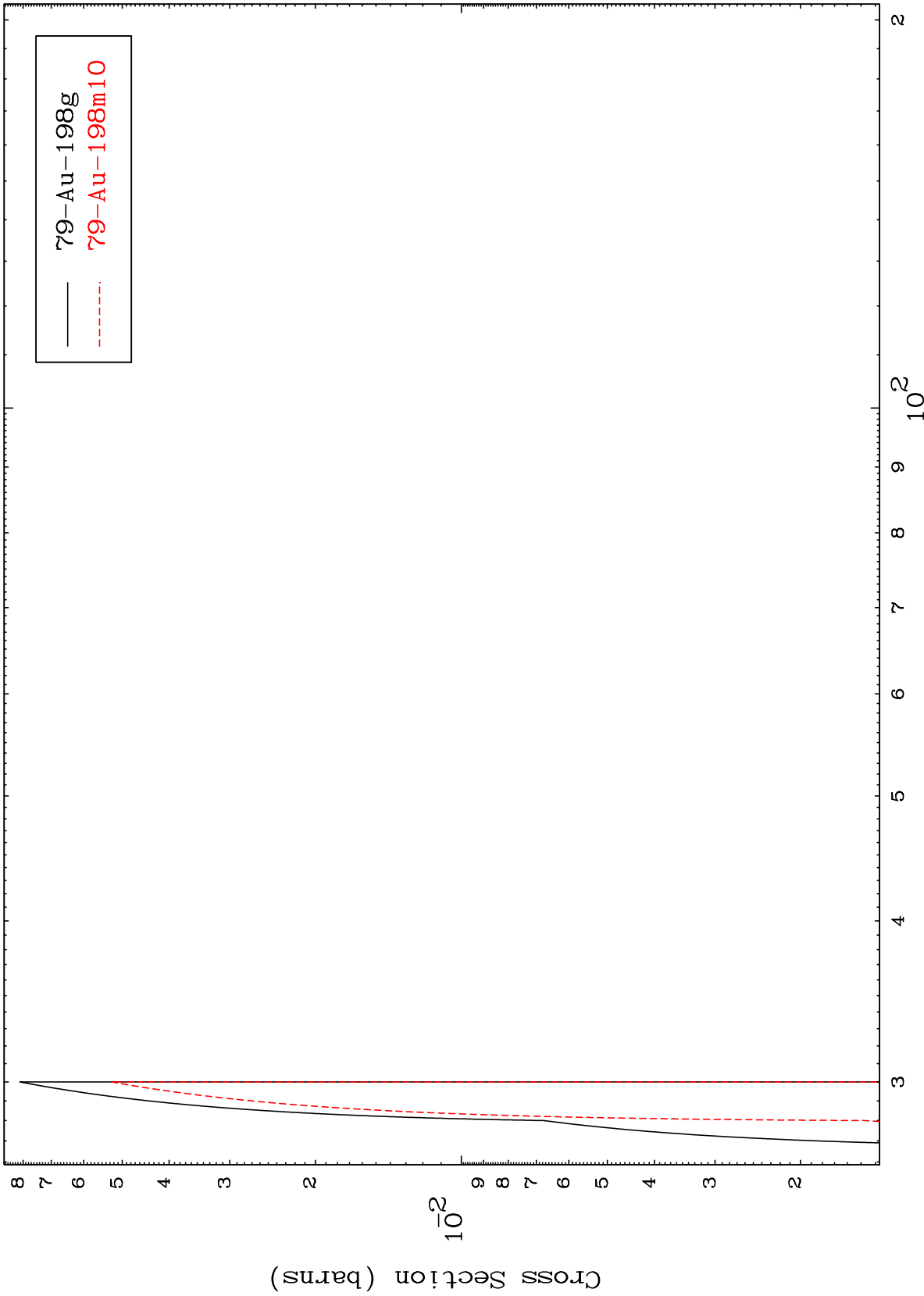
77-Ir-198

MAT 7746

( $\alpha, 4n$ )

<sup>77</sup>Ir-198

Radionuclide Production Cross Section



79-Au-198g  
79-Au-198m10

15

Incident Energy (MeV)

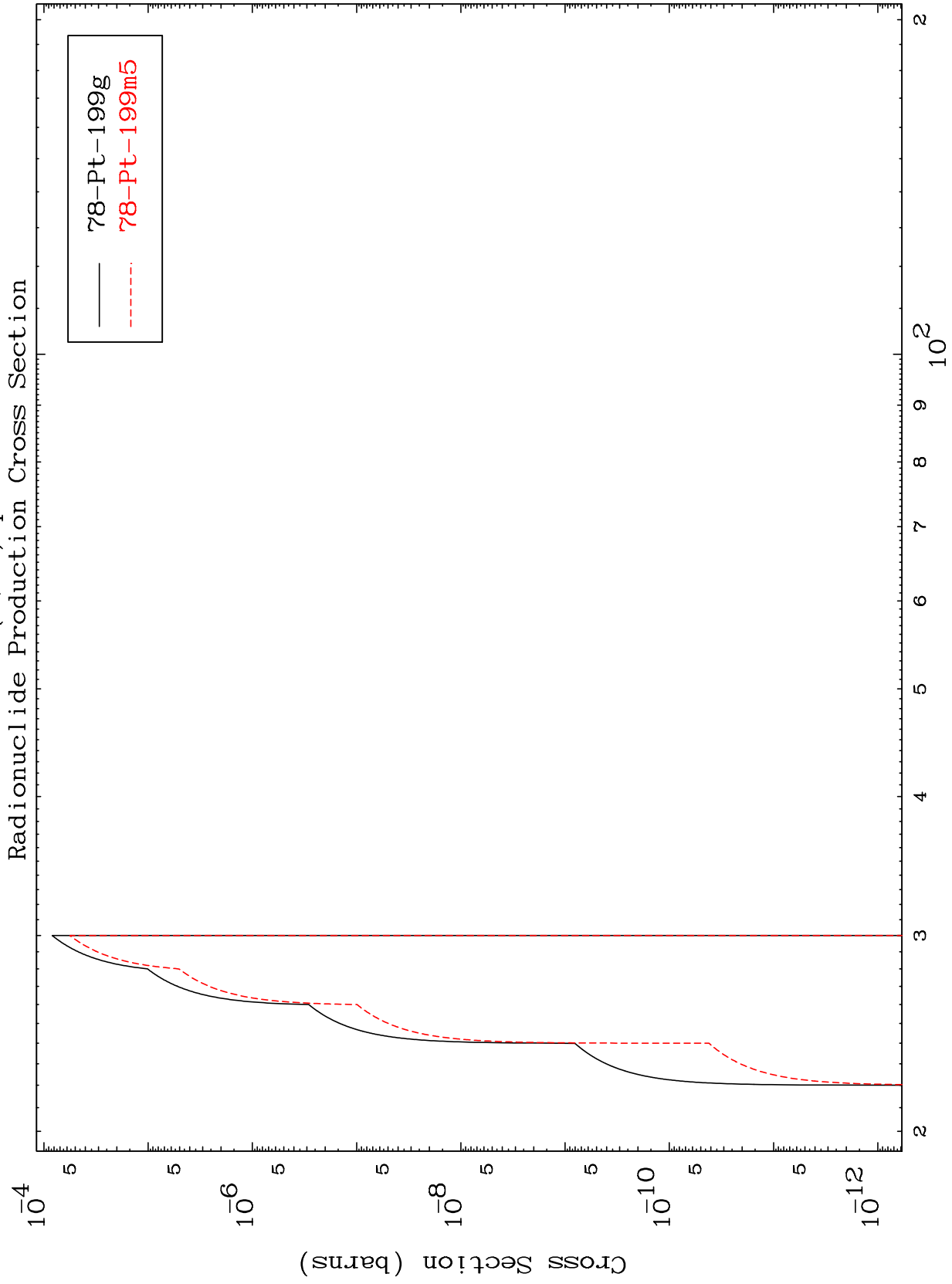
<sup>77</sup>Ir-198



MAT 7746

( $\alpha, 2n$ ) p

77-Ir-198



16

Incident Energy (MeV)

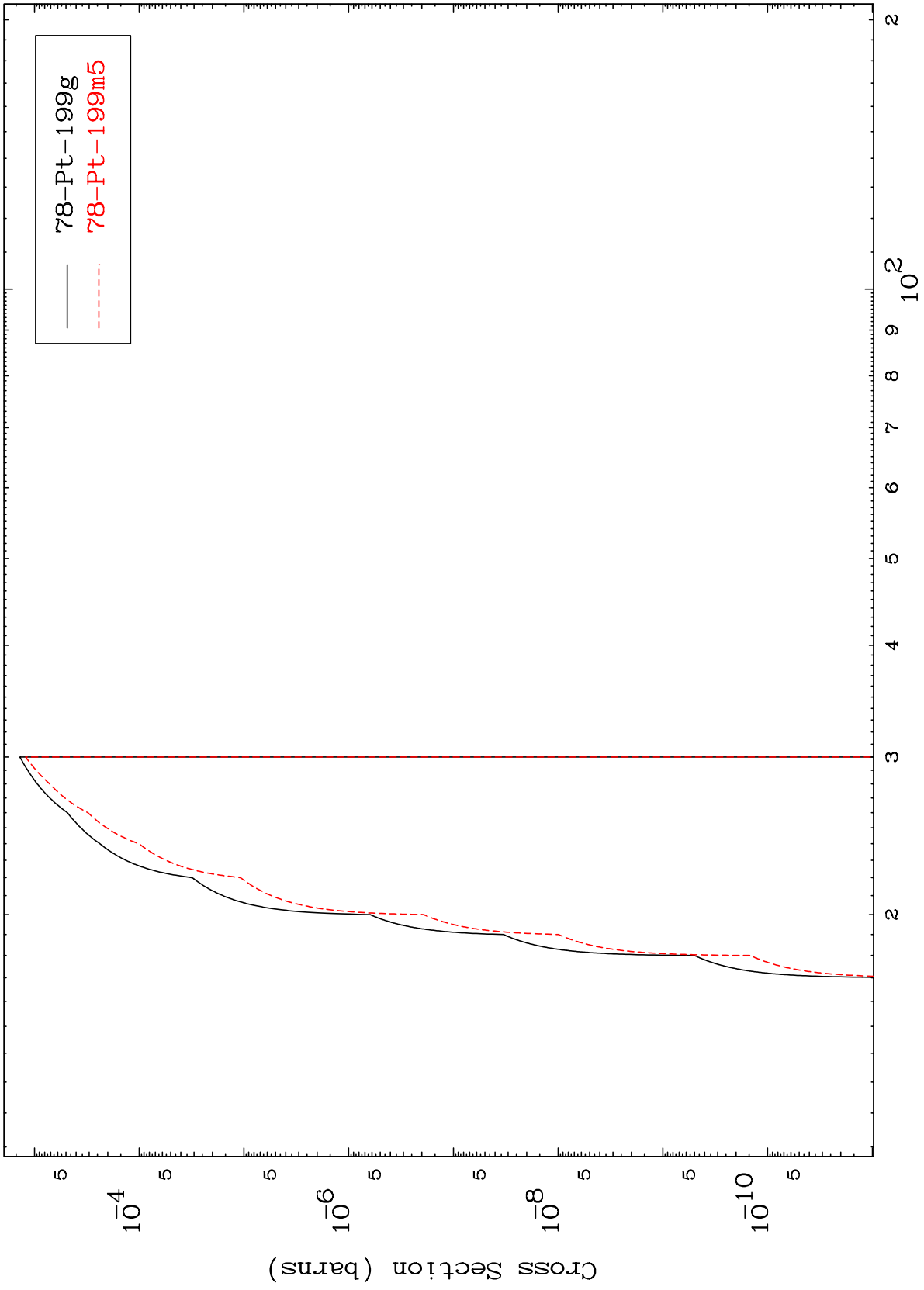
77-Ir-198

MAT 7746

( $\alpha, t$ )

77-Ir-198

Radionuclide Production Cross Section



17

Incident Energy (MeV)

77-Ir-198