

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

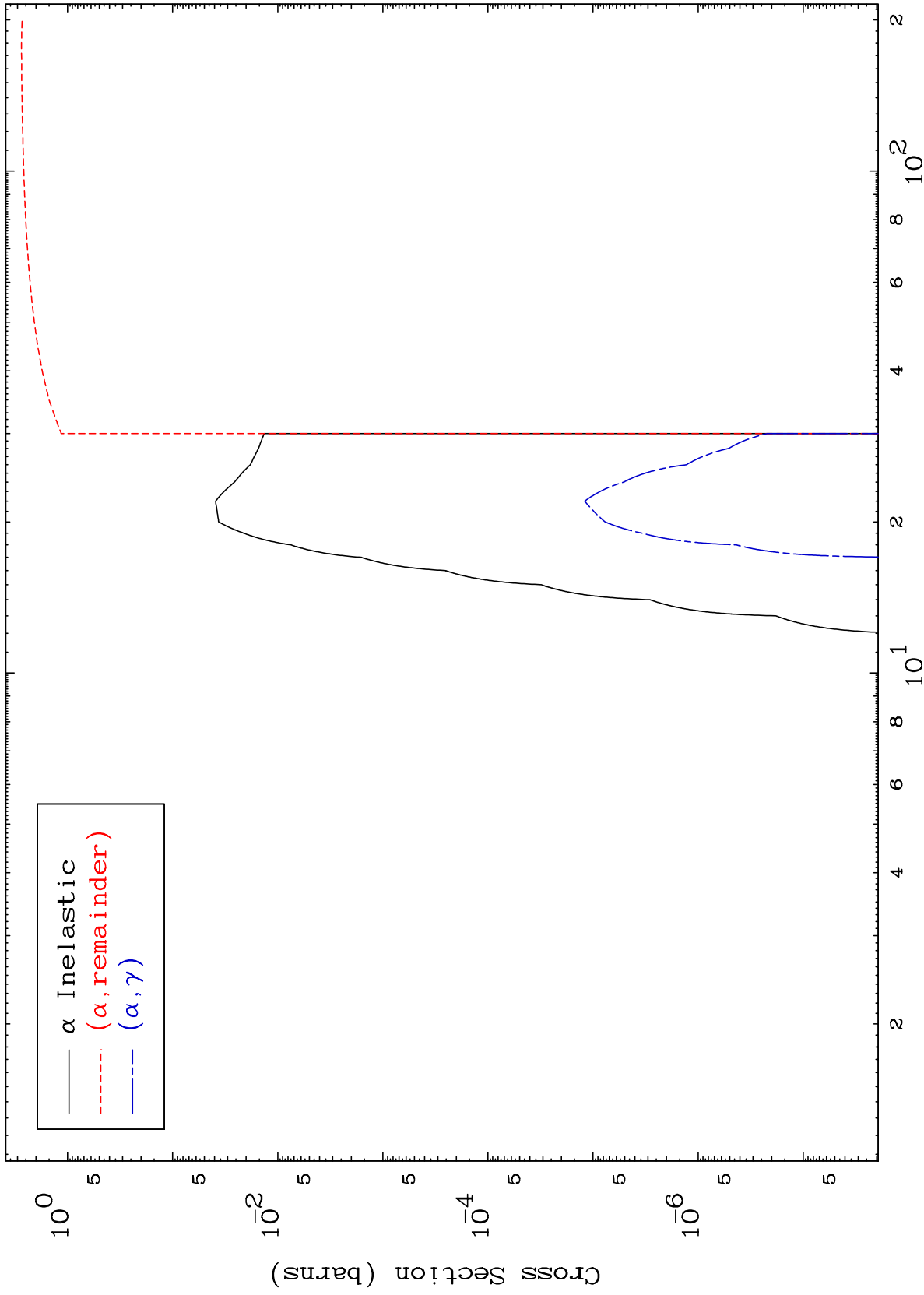
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7926

0 Kelvin  $\alpha$  Major  
Cross Sections

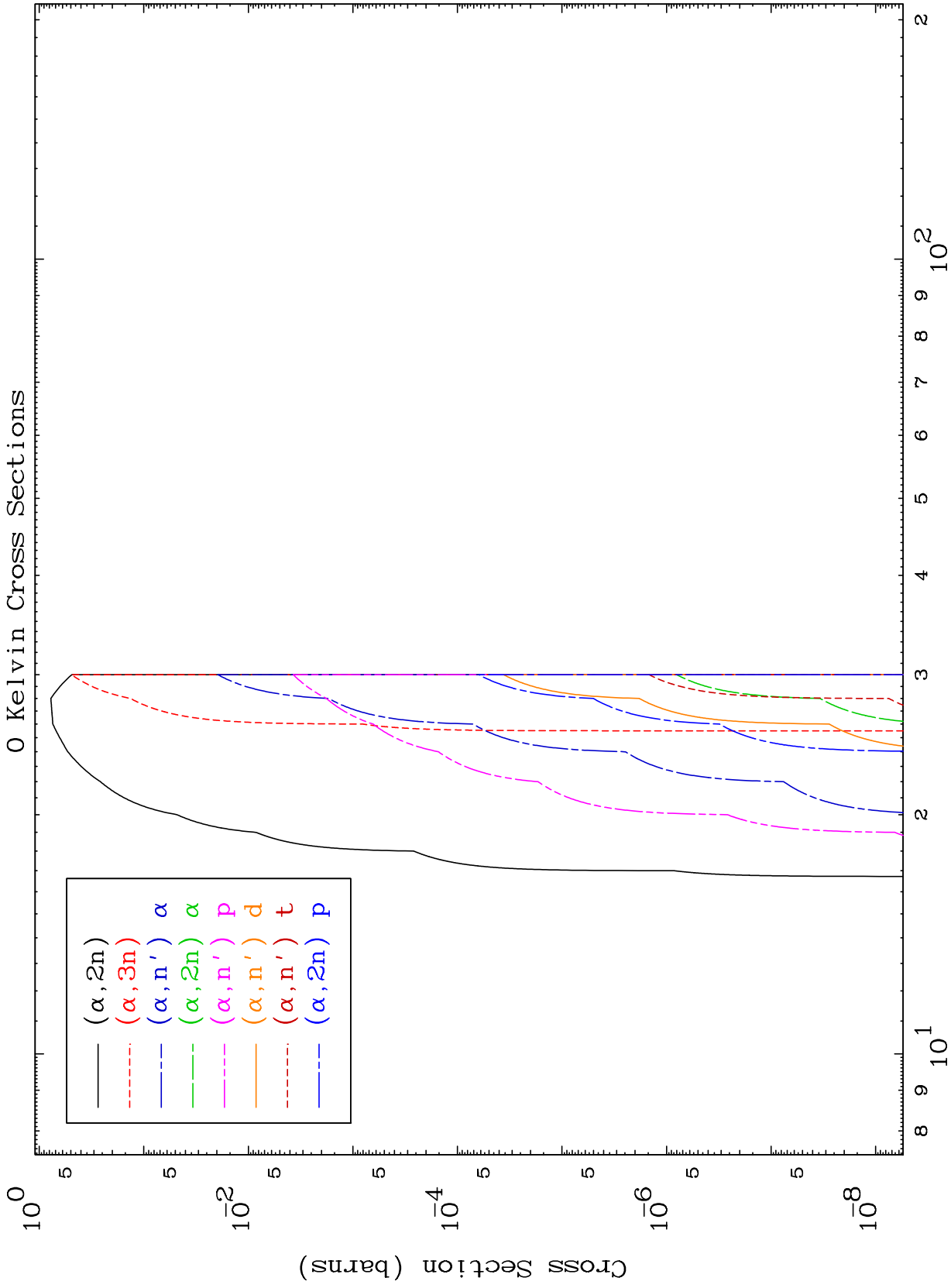
79-Au-197



MAT 7926

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

79-Au-197



2

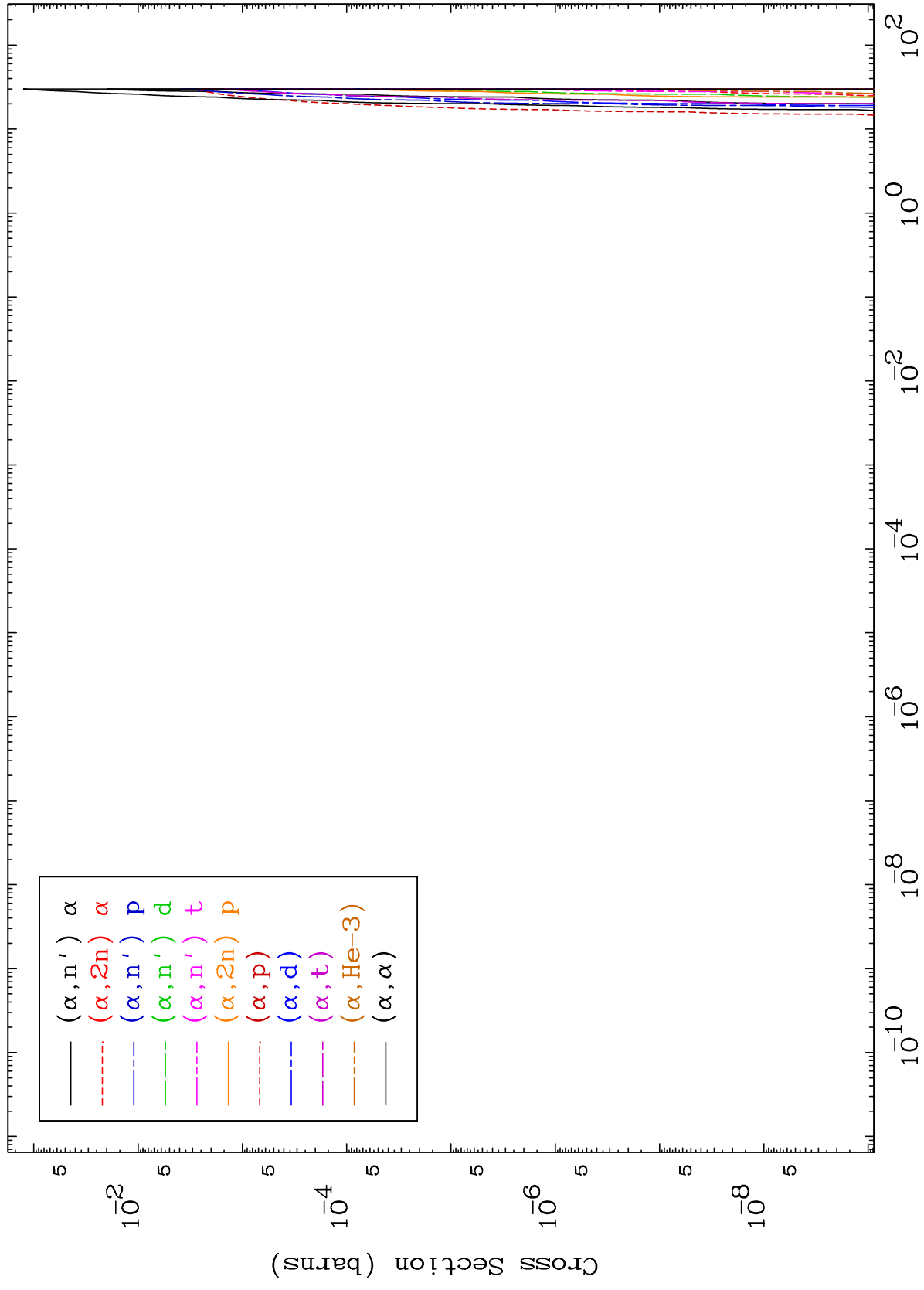
Incident Energy (MeV)

79-Au-197

MAT 7926

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

79-Au-197



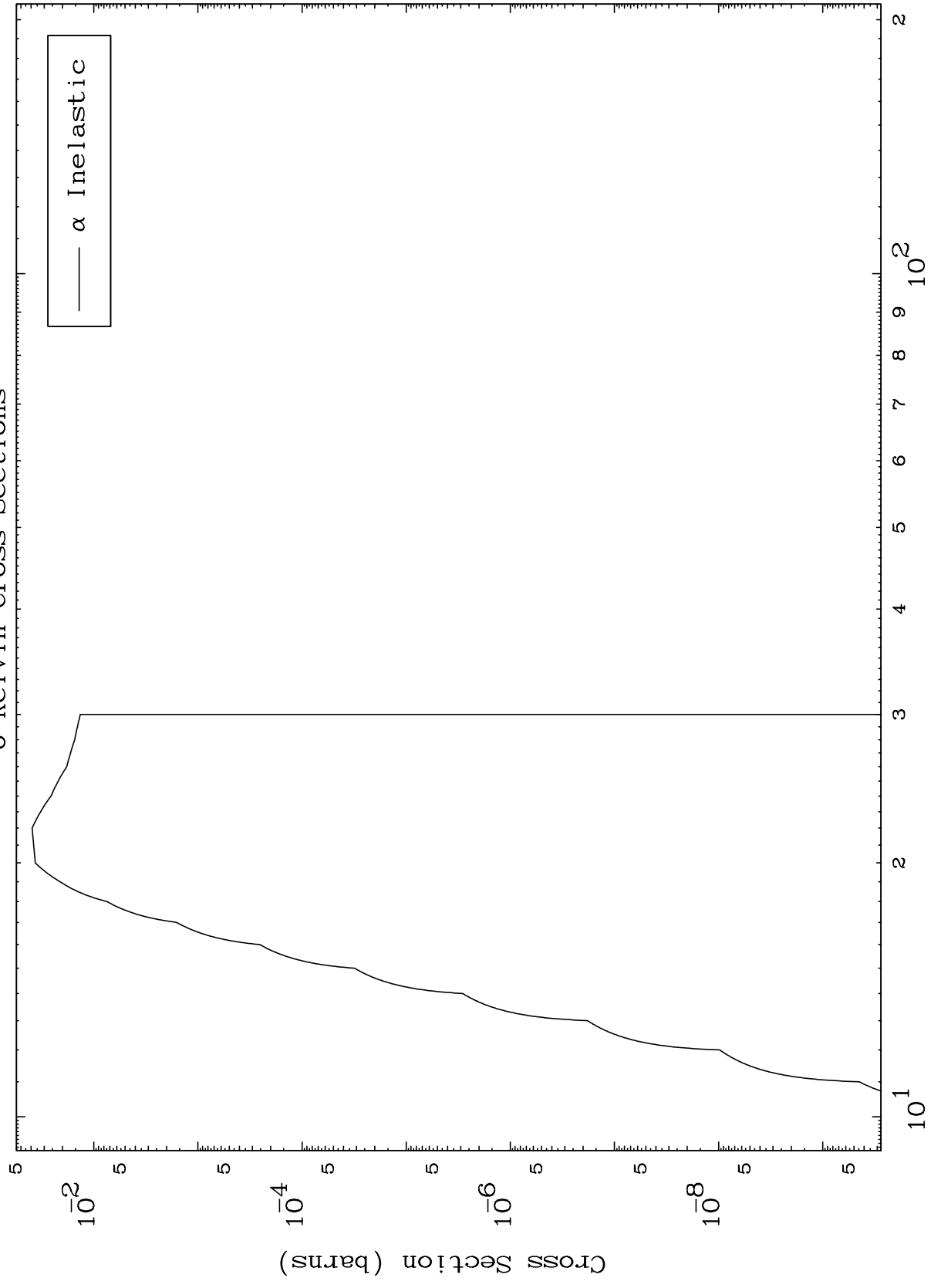
3

79-Au-197

MAT 7926

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

79-Au-197



79-Au-197

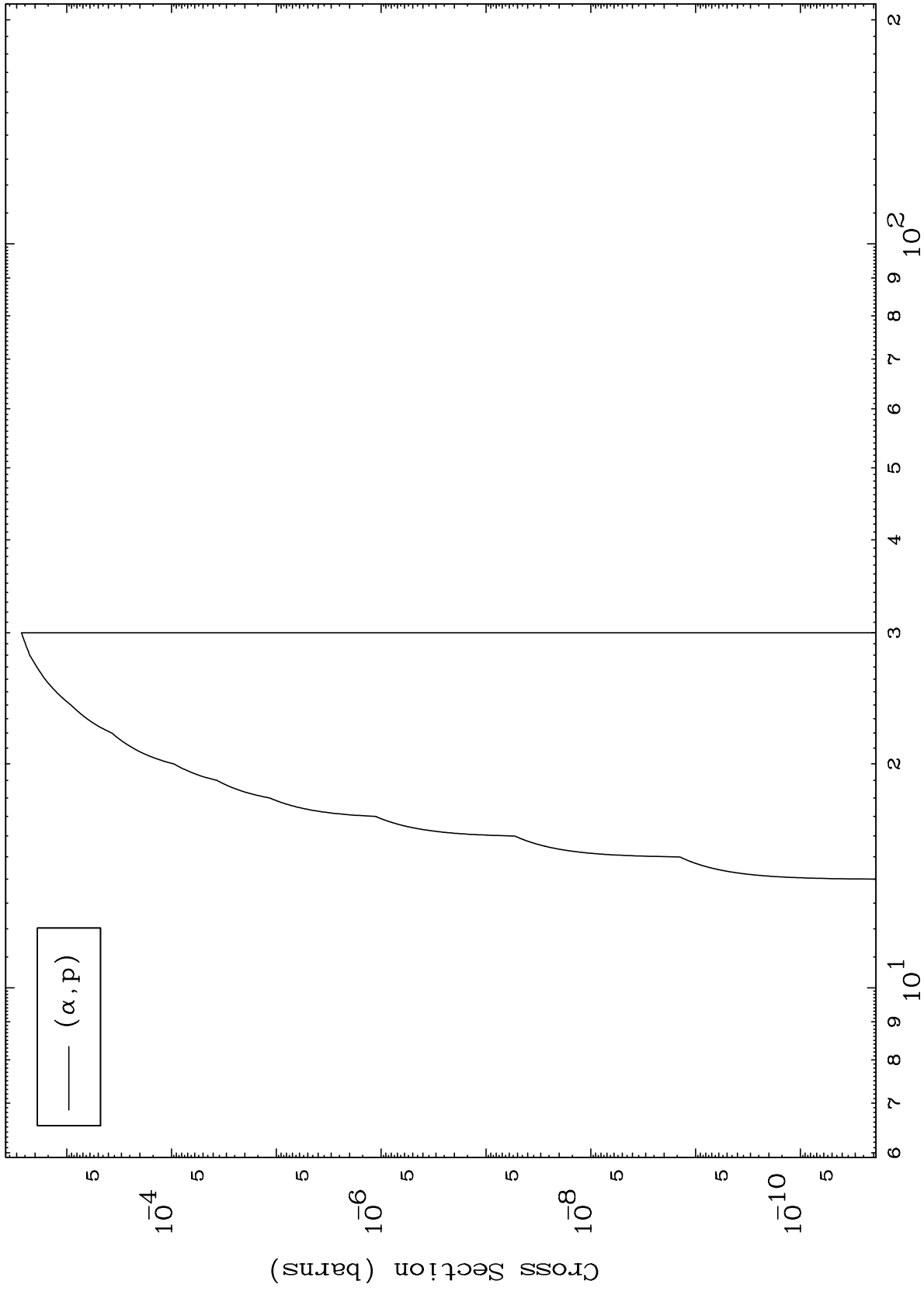
Incident Energy (MeV)

4

MAT 7926

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

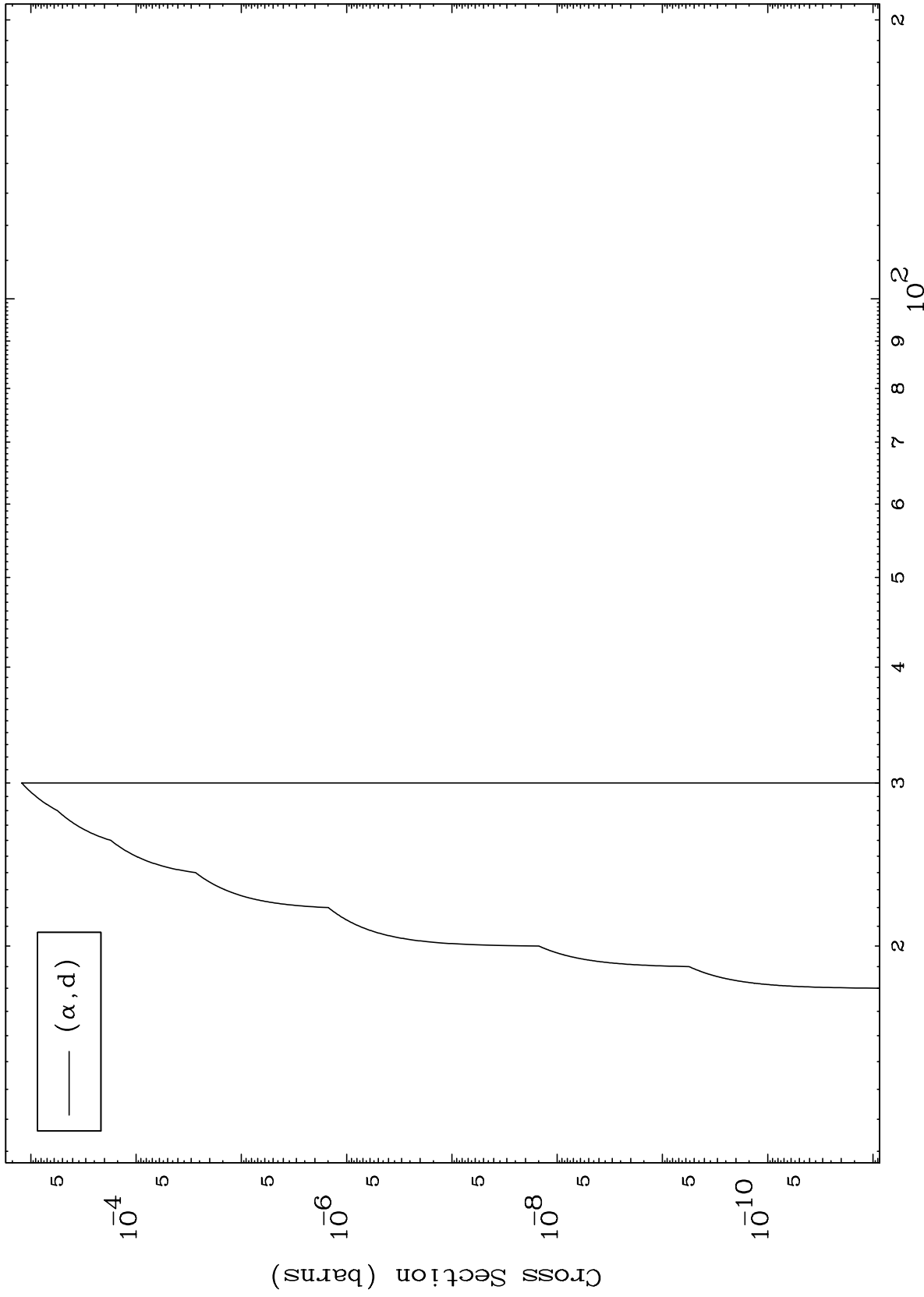
79-Au-197



5

Incident Energy (MeV)

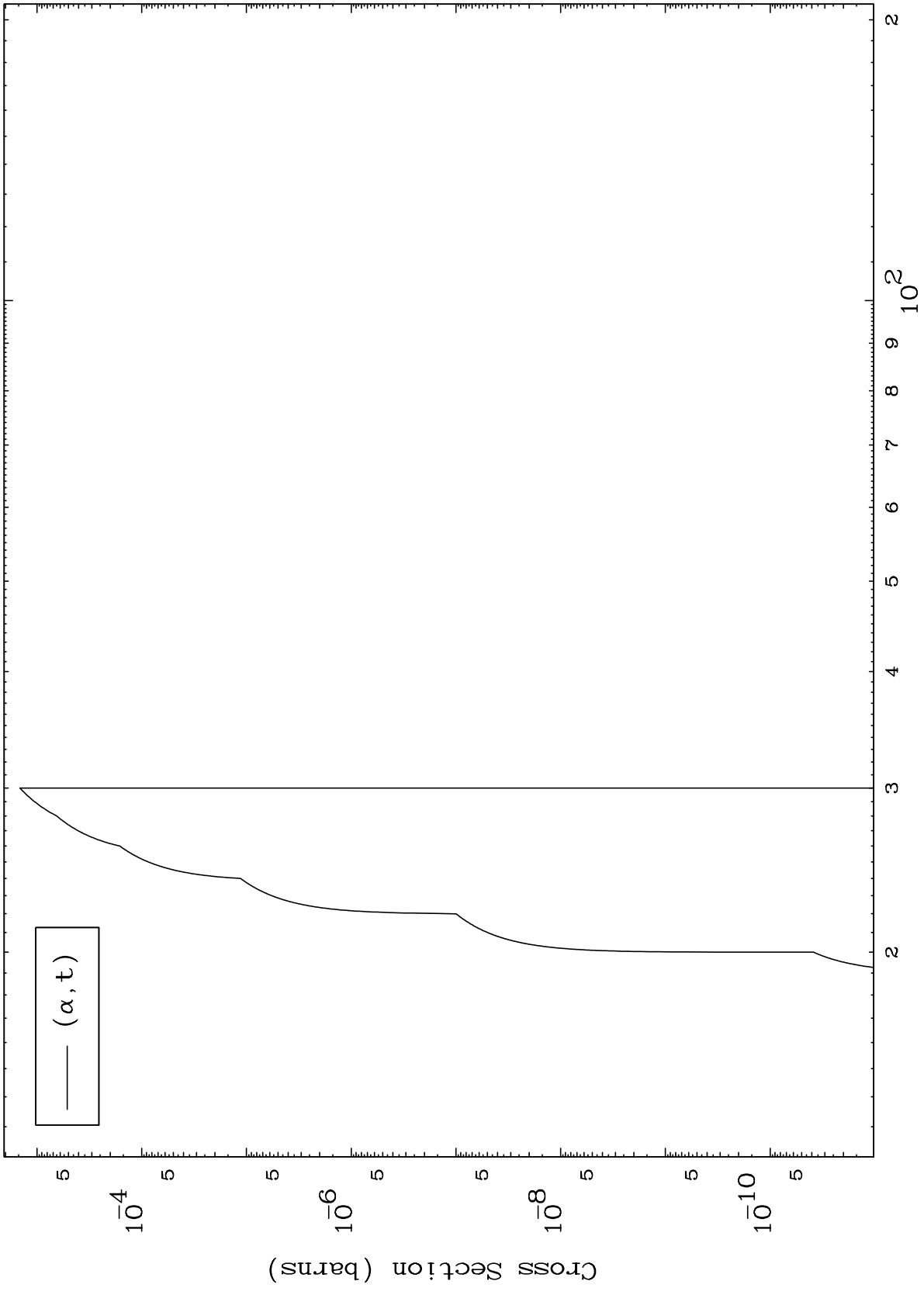
79-Au-197



MAT 7926

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

79-Au-197

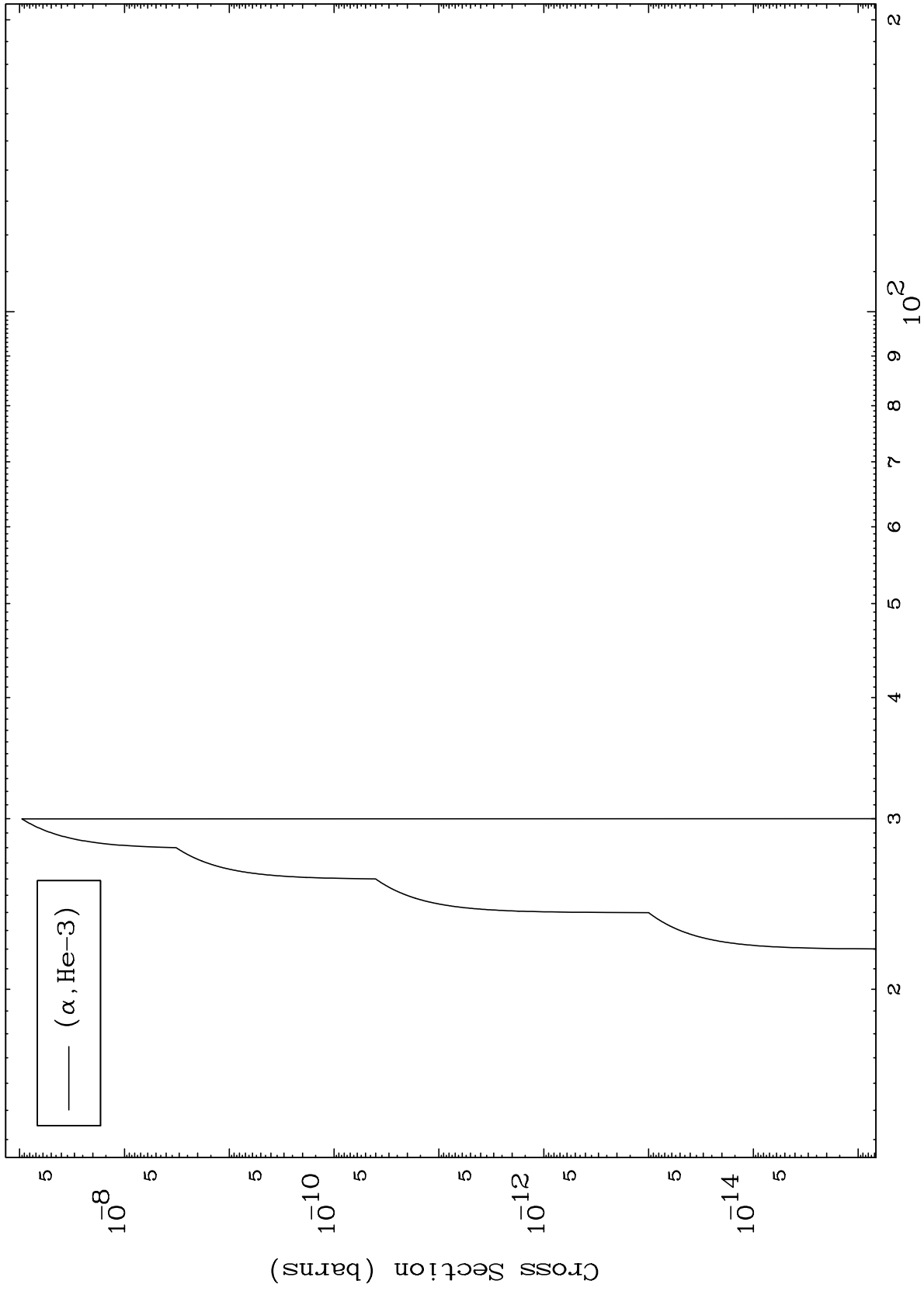


7

Incident Energy (MeV)

79-Au-197

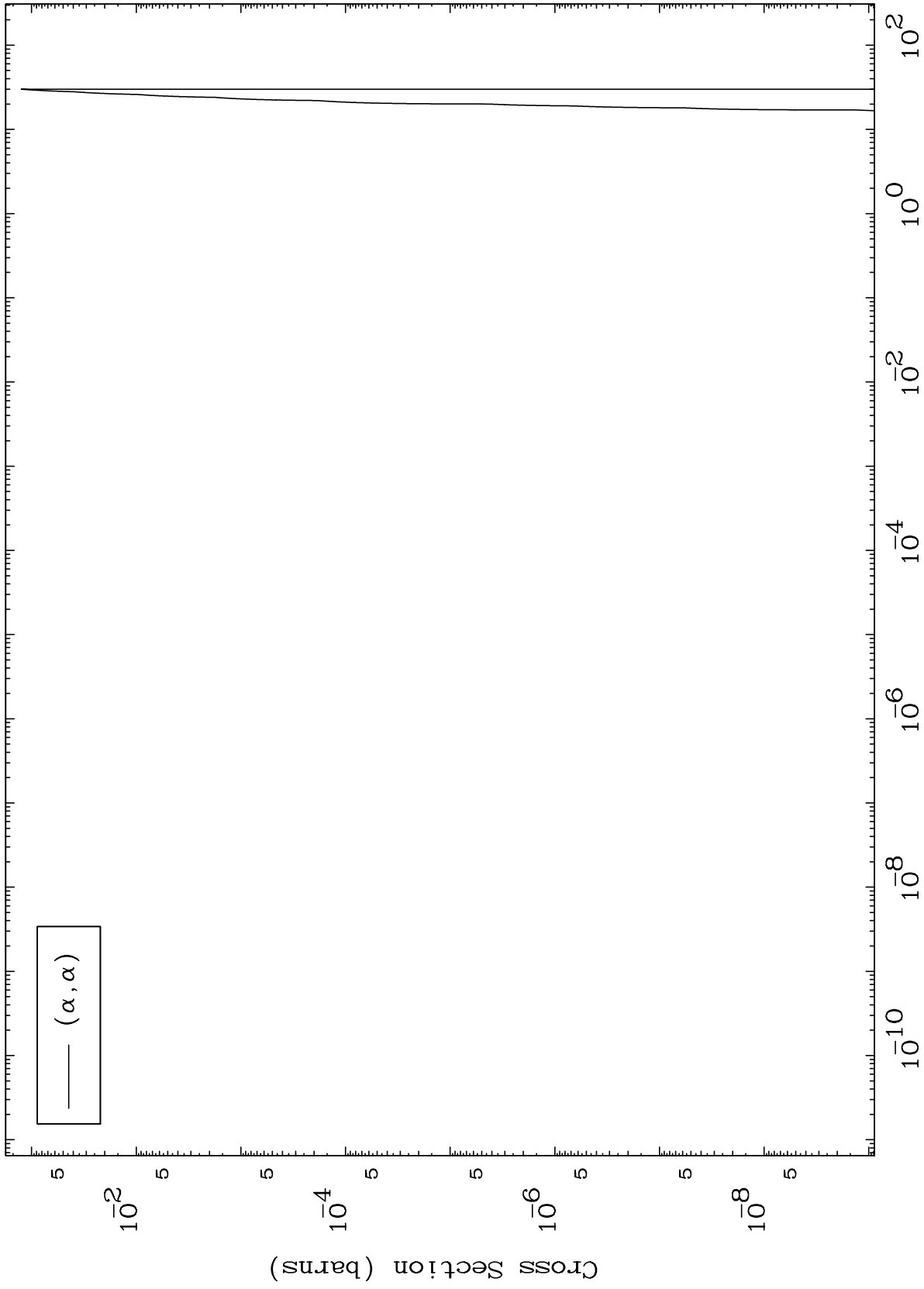




MAT 7926

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

79-Au-197



9

Incident Energy (MeV)

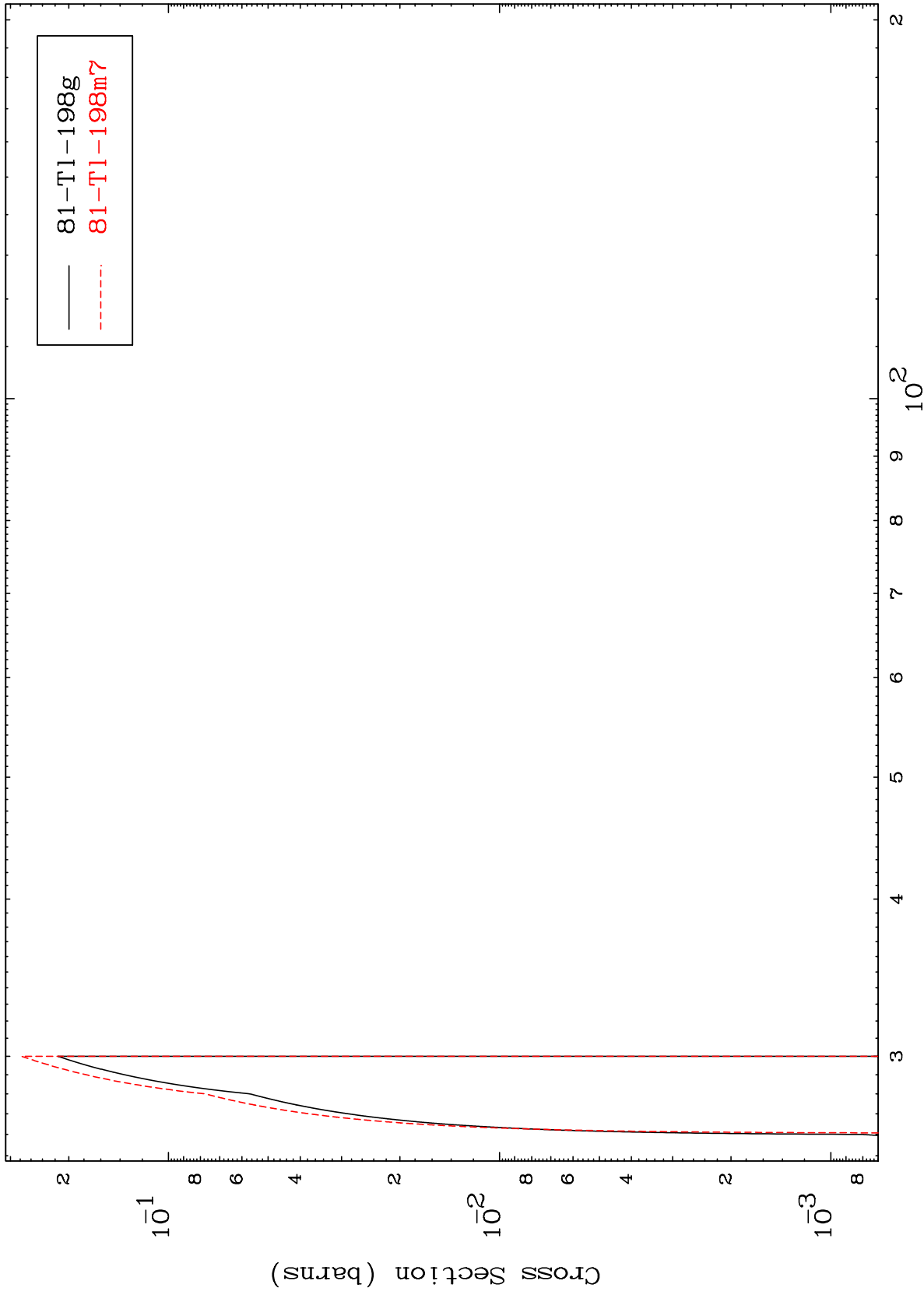
79-Au-197

MAT 7926

( $\alpha, 3n$ )

79-Au-197

Radionuclide Production Cross Section



10

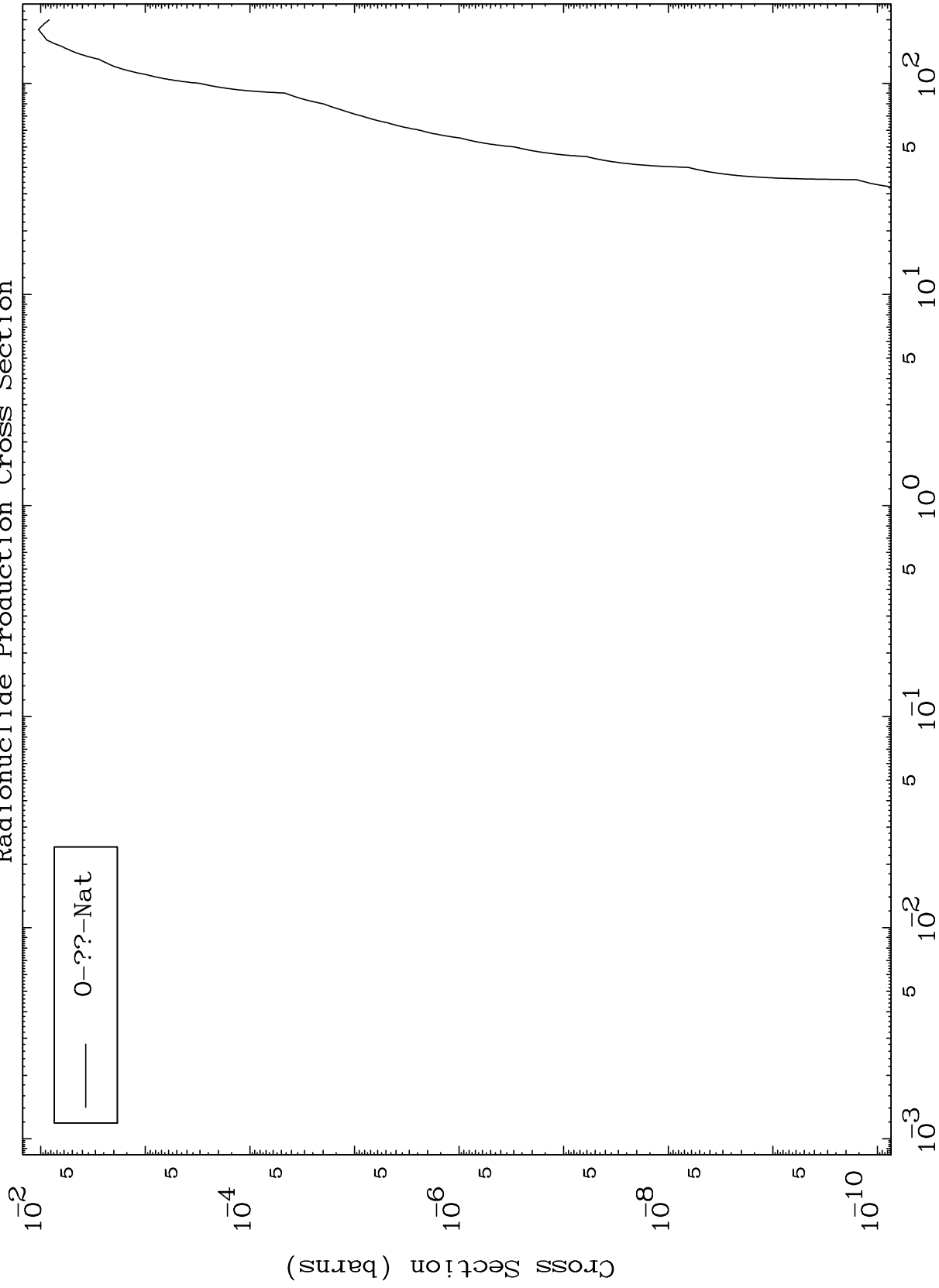
Incident Energy (MeV)

79-Au-197

MAT 7926

$\alpha$  Fission  
Radionuclide Production Cross Section

79-Au-197



11

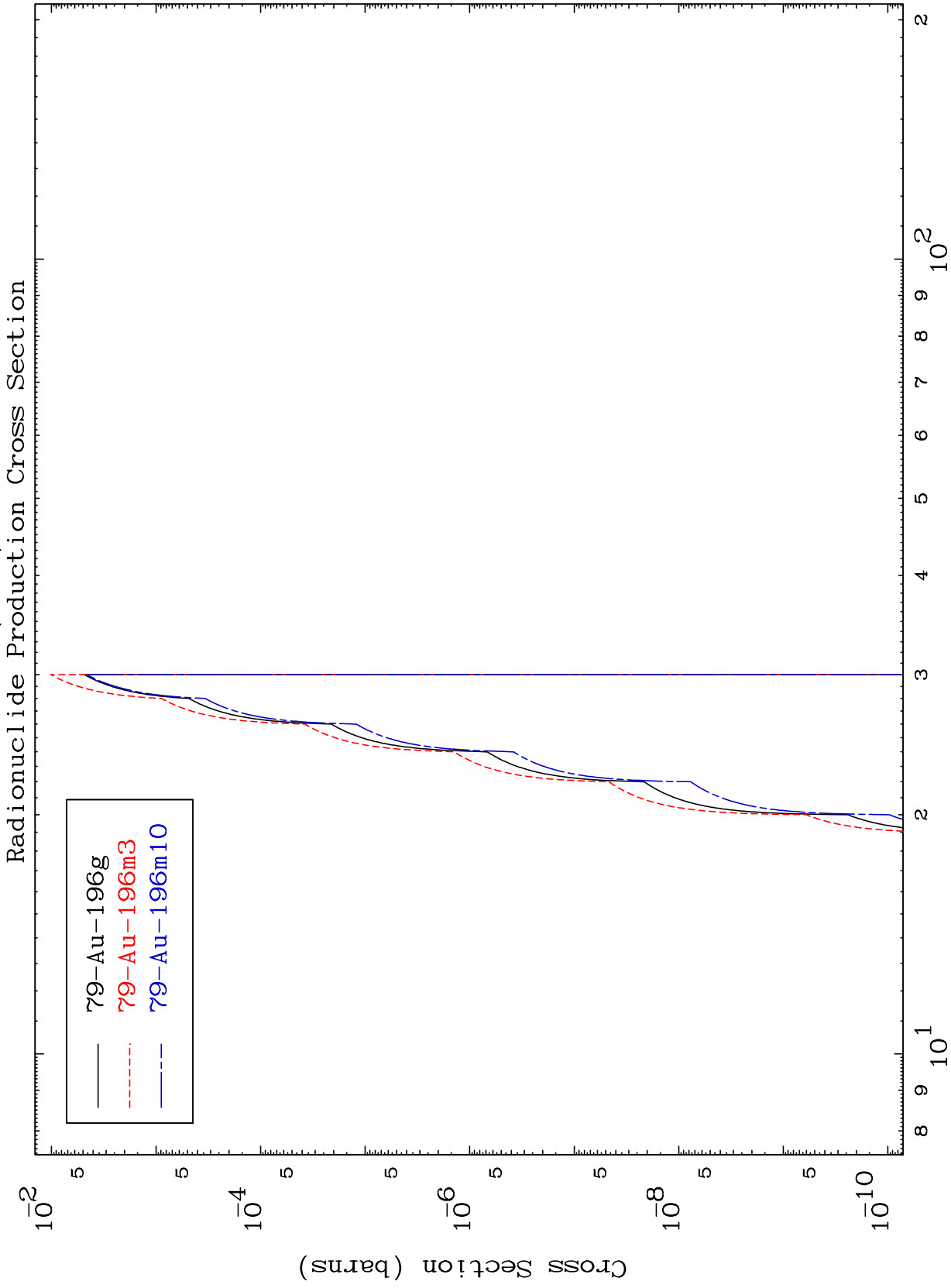
Incident Energy (MeV)

79-Au-197

MAT 7926

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

$^{79}\text{Au-197}$



12

Incident Energy (MeV)

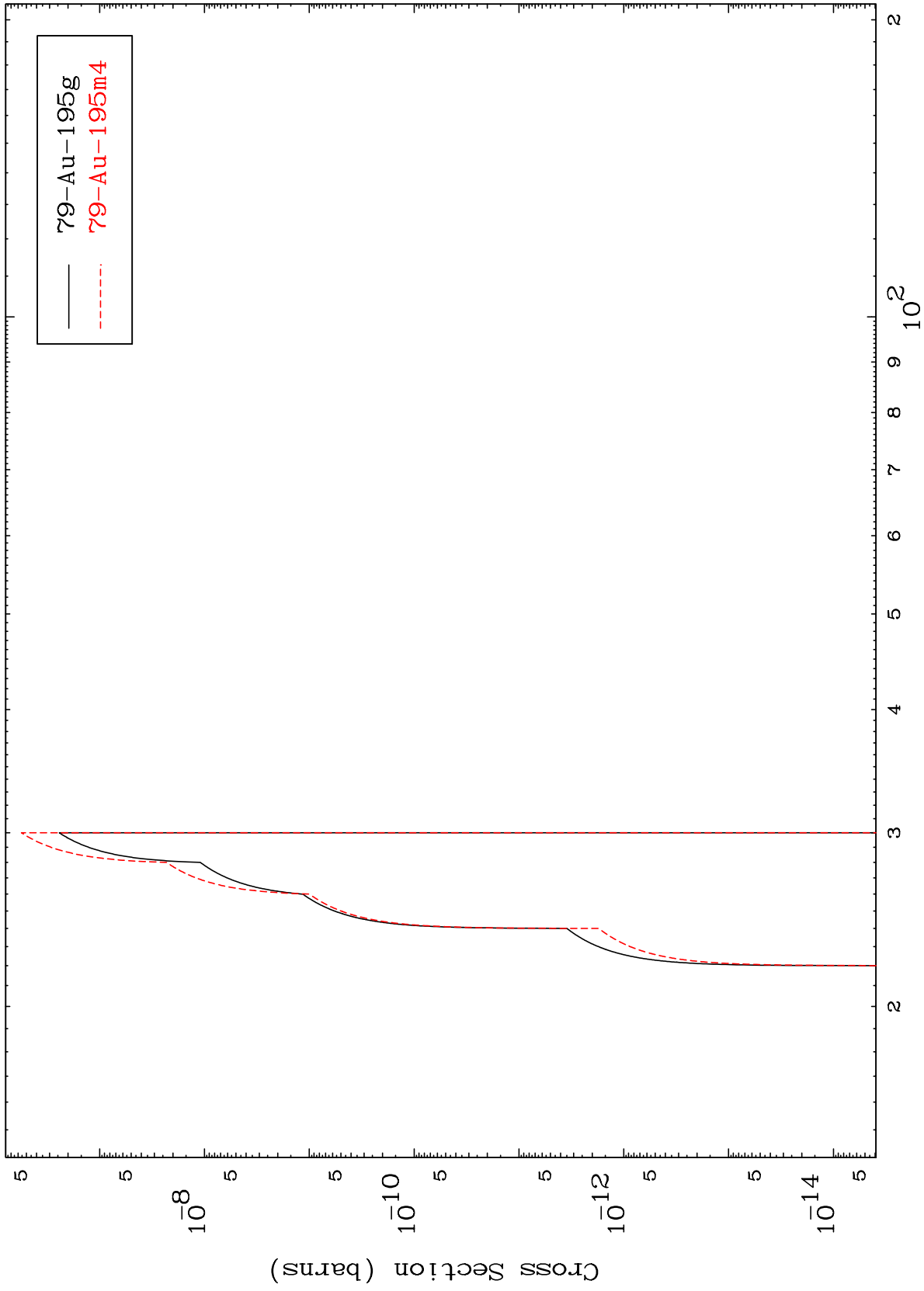
$^{79}\text{Au-197}$

MAT 7926

$(\alpha, 2n) \alpha$

$^{79}\text{Au-197}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

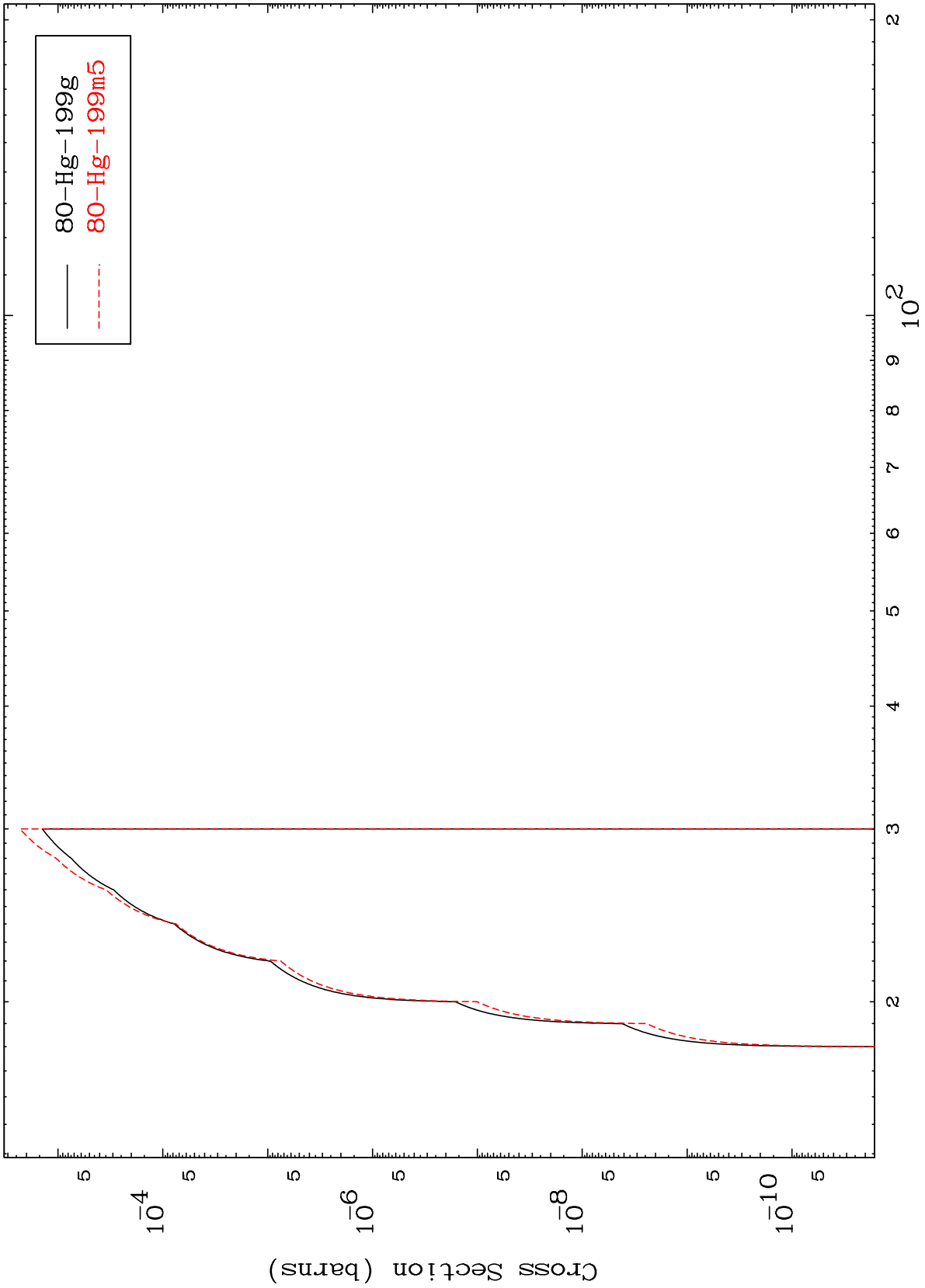
$^{79}\text{Au-197}$

MAT 7926

( $\alpha, n'$ ) p

79-Au-197

Radionuclide Production Cross Section



14

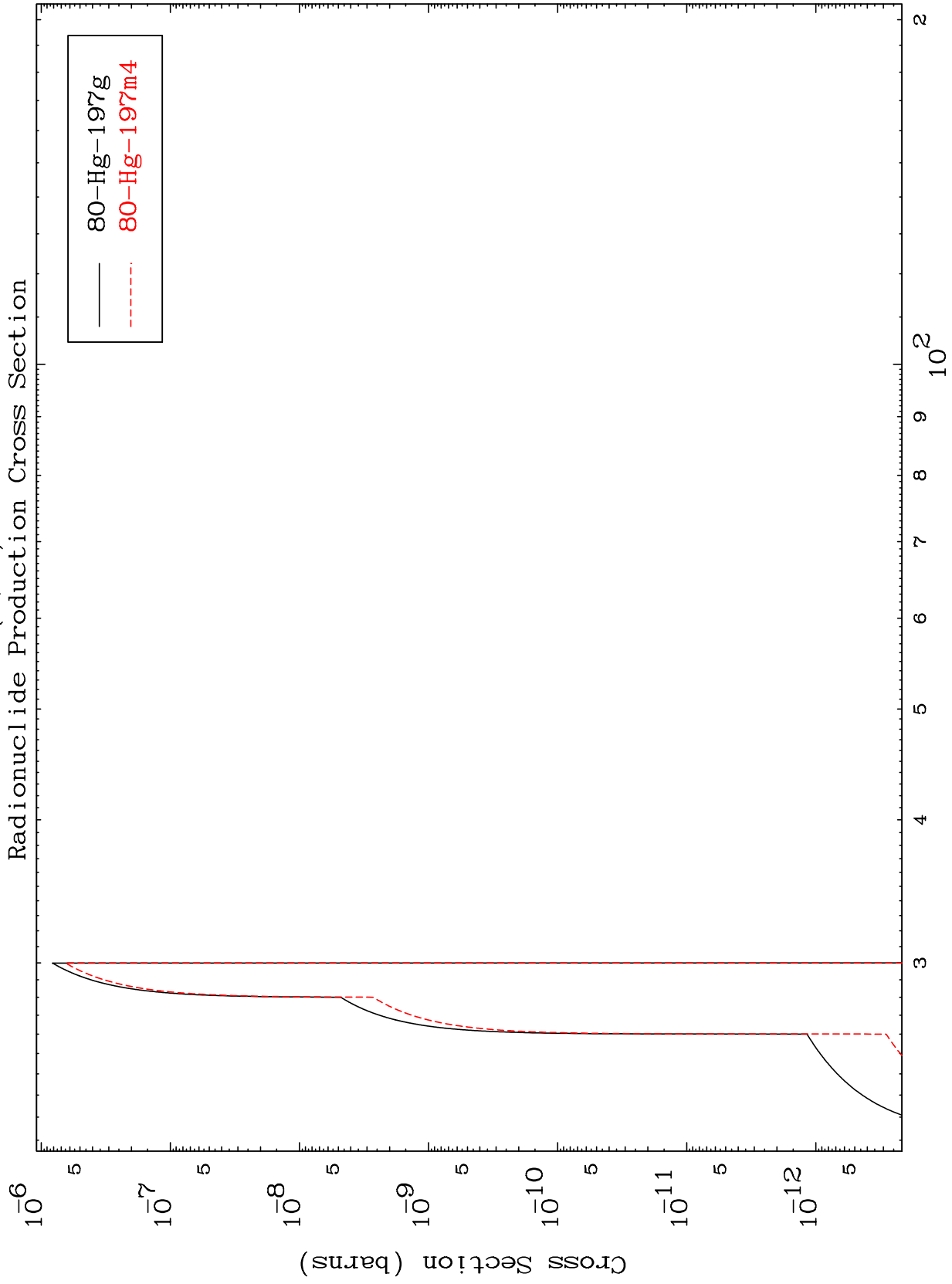
Incident Energy (MeV)

79-Au-197

MAT 7926

( $\alpha, n'$ ) t

79-Au-197



15

Incident Energy (MeV)

79-Au-197

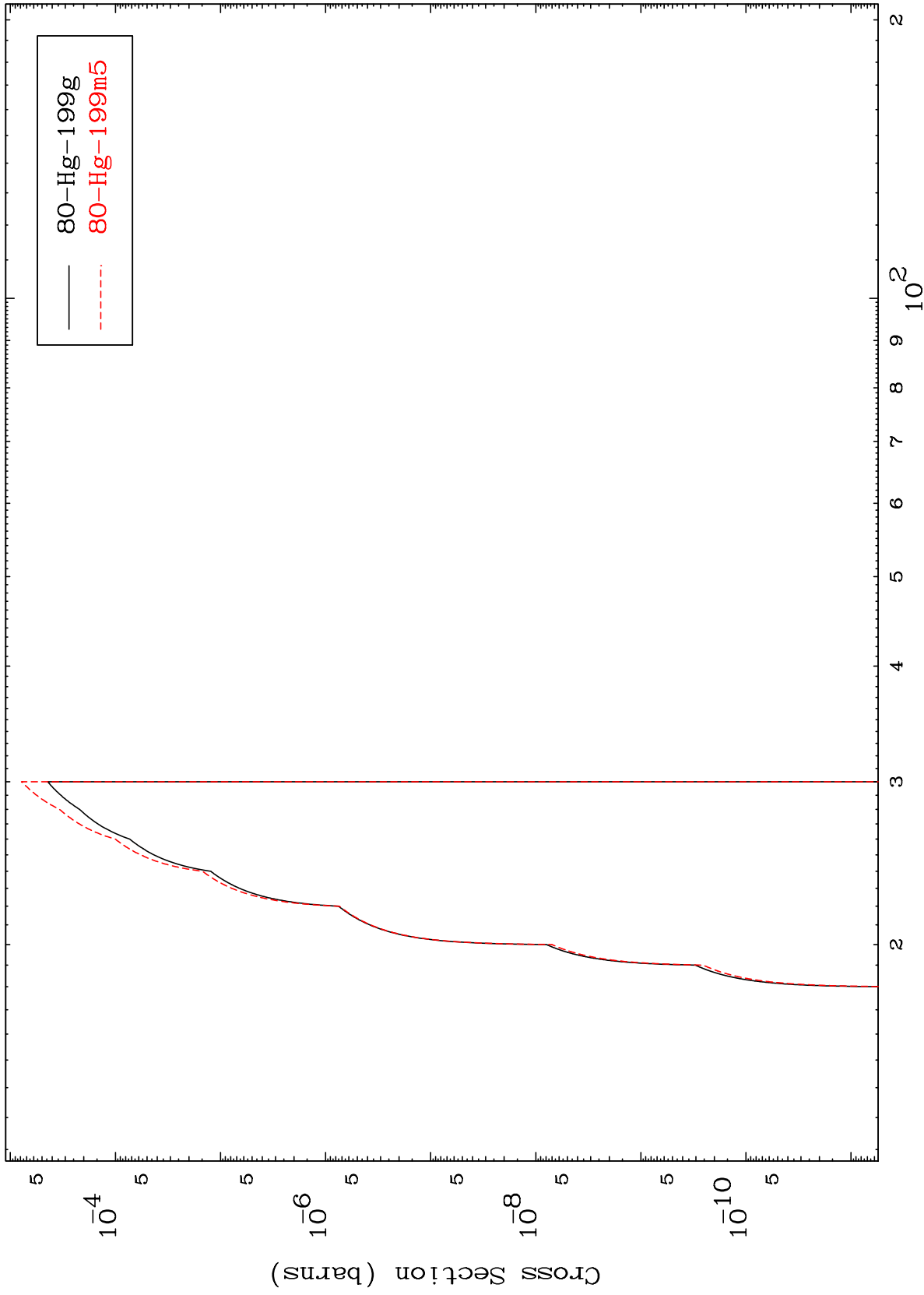


MAT 7926

( $\alpha, d$ )

79-Au-197

Radionuclide Production Cross Section



16

Incident Energy (MeV)

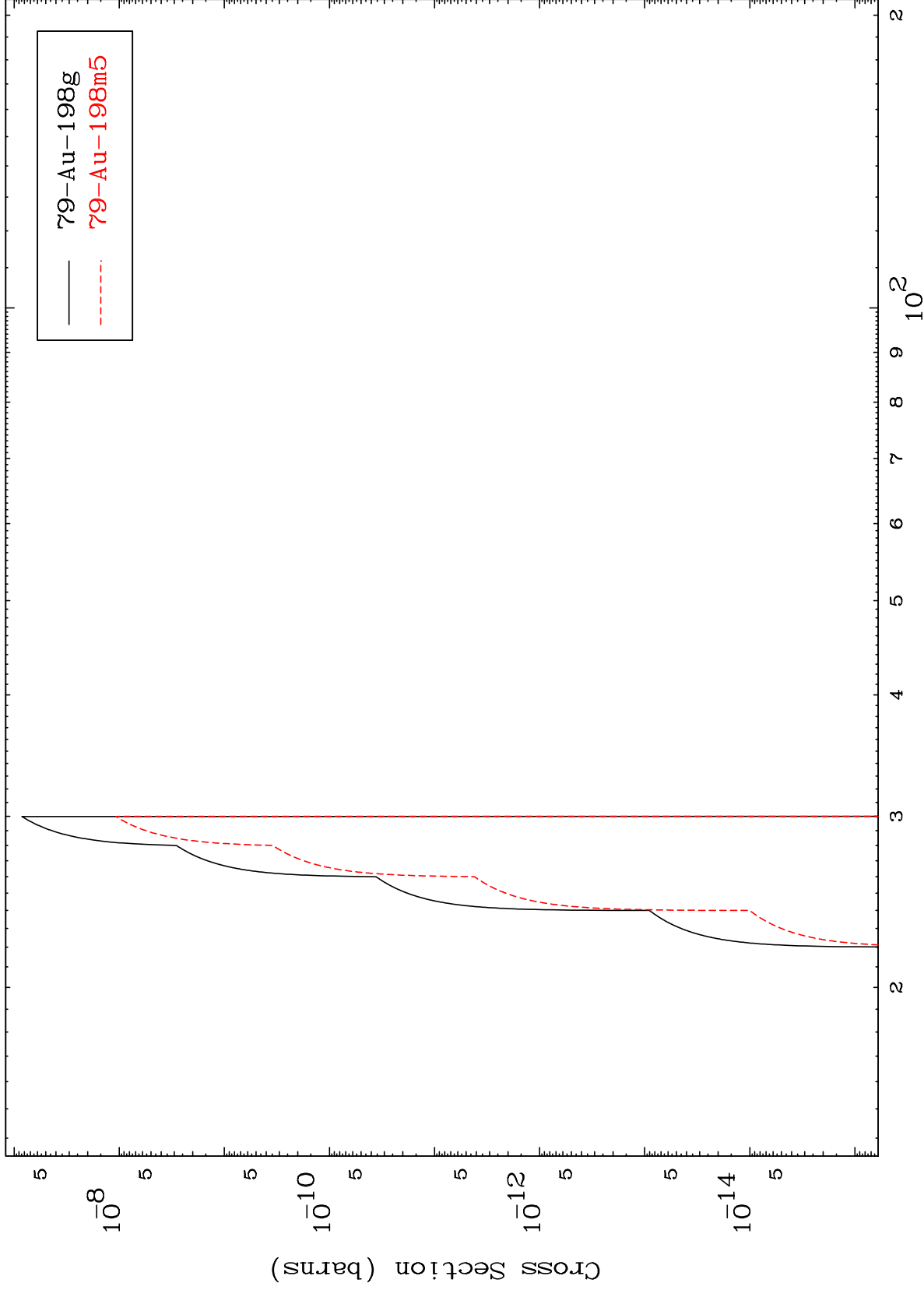
79-Au-197

MAT 7926

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

$^{79}\text{Au-197}$

Radionuclide Production Cross Section



17

Incident Energy (MeV)

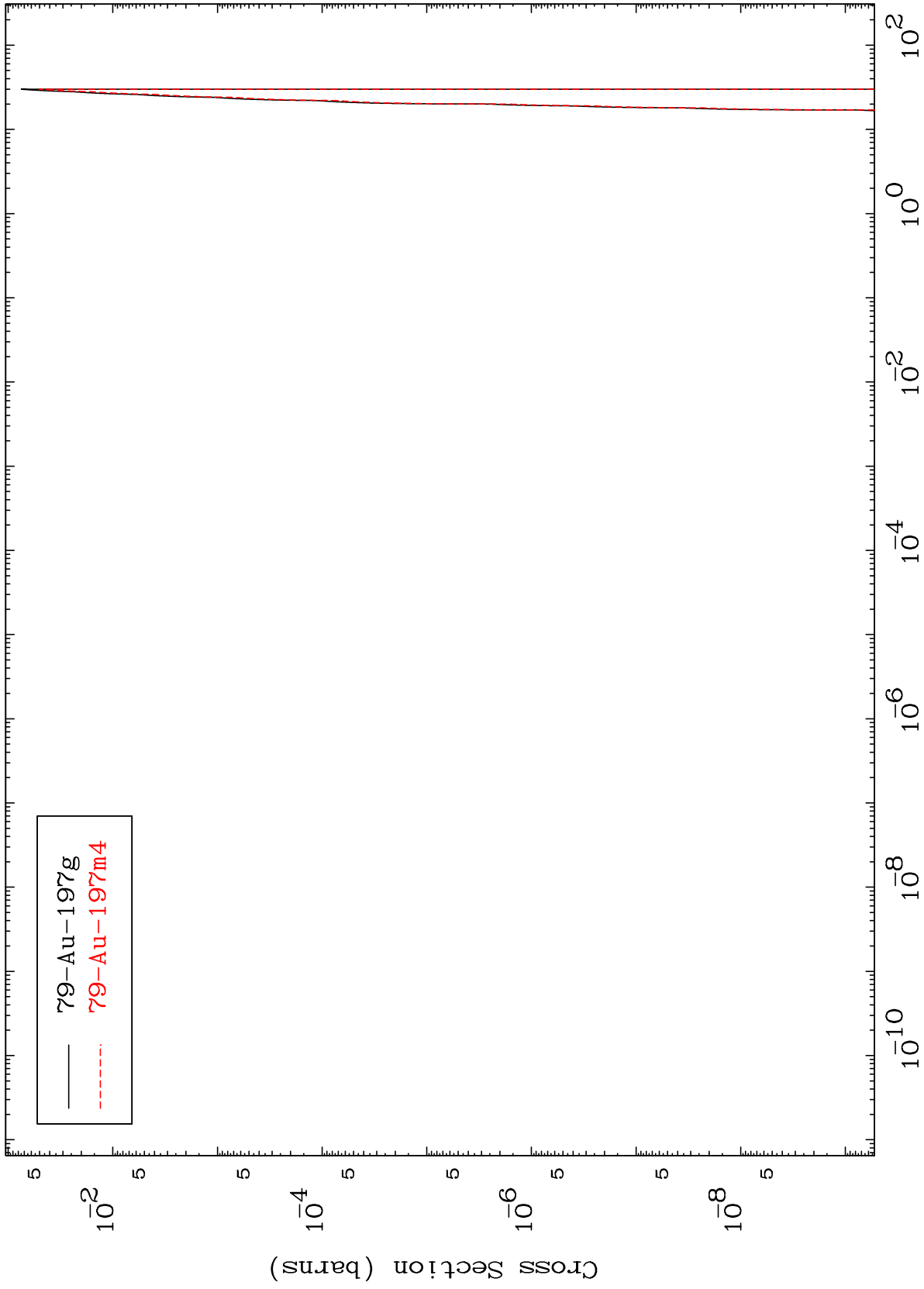
$^{79}\text{Au-197}$

MAT 7926

( $\alpha, \alpha$ )

<sup>79</sup>Au-197

Radionuclide Production Cross Section



18

Incident Energy (MeV)

<sup>79</sup>Au-197