

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

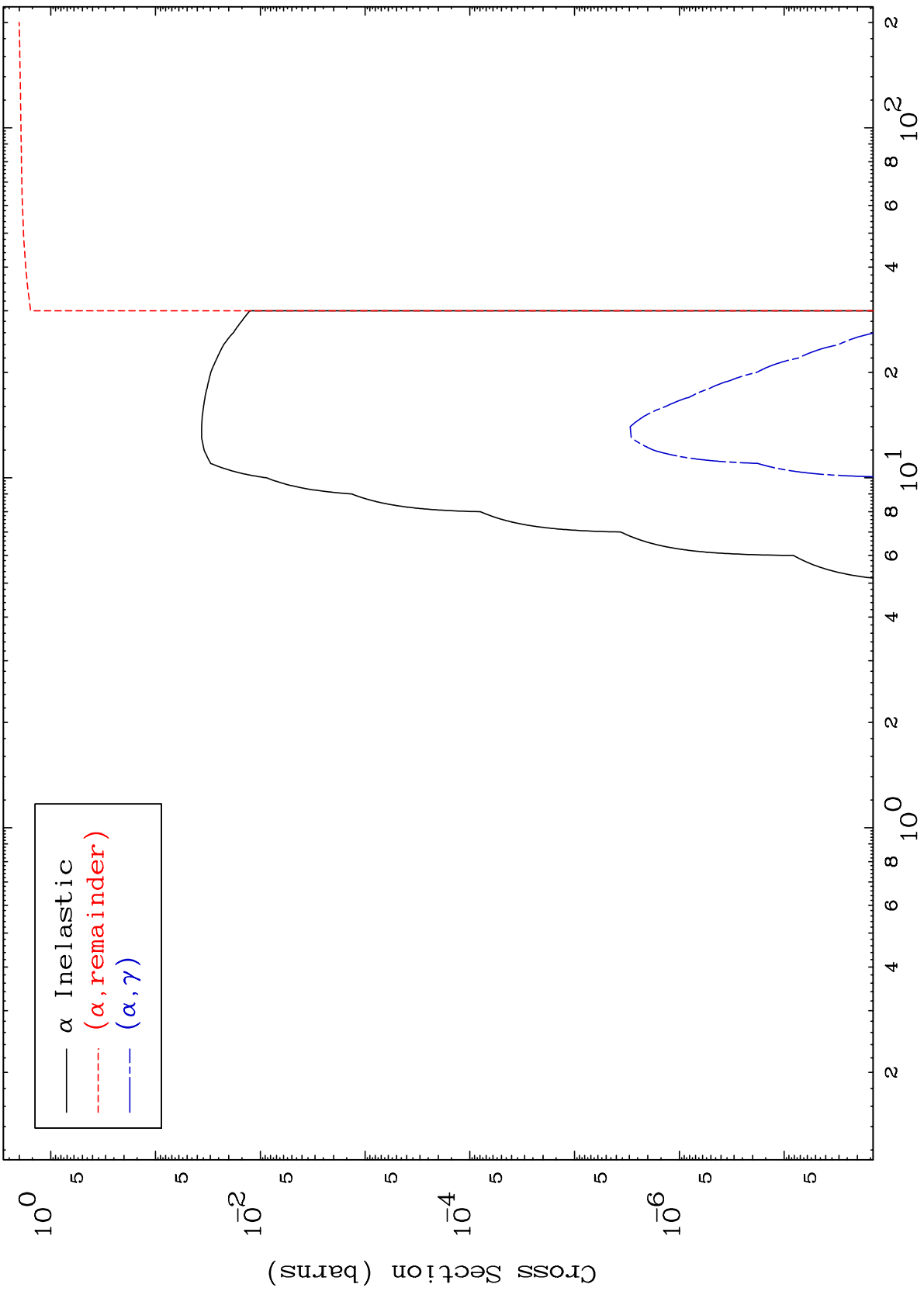
Press Mouse Button to Start

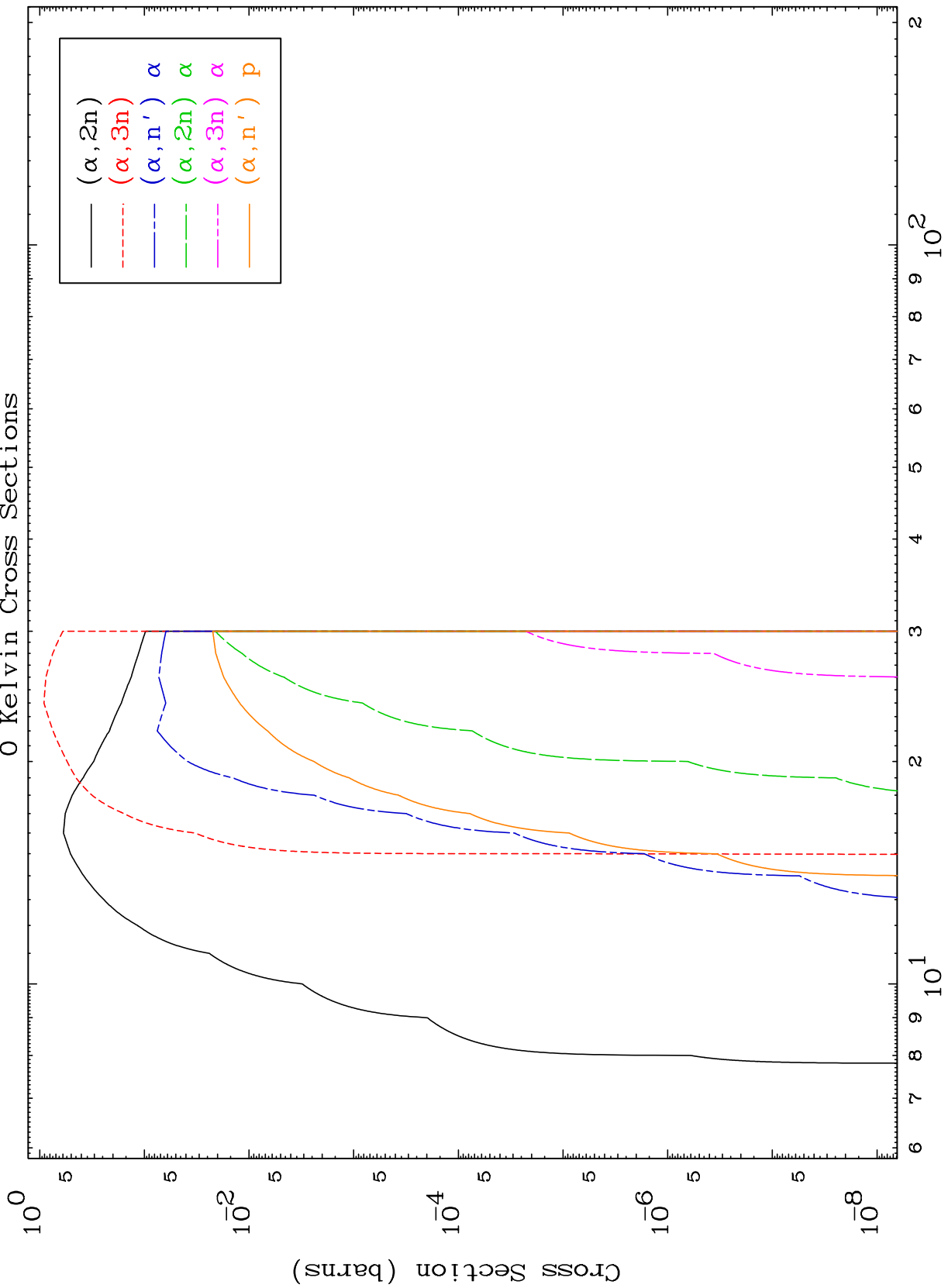
MAT 3949

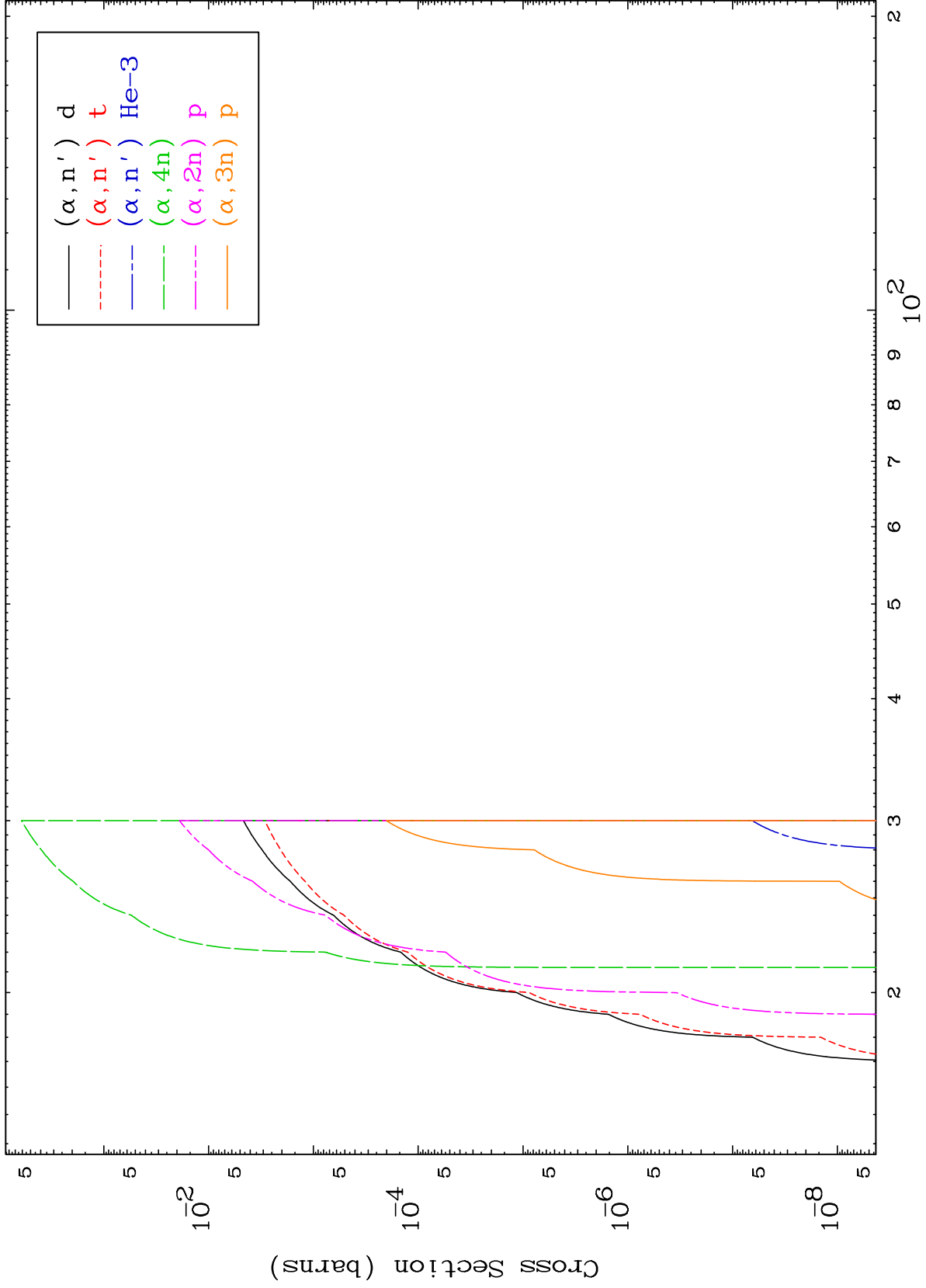
$\alpha$  Major

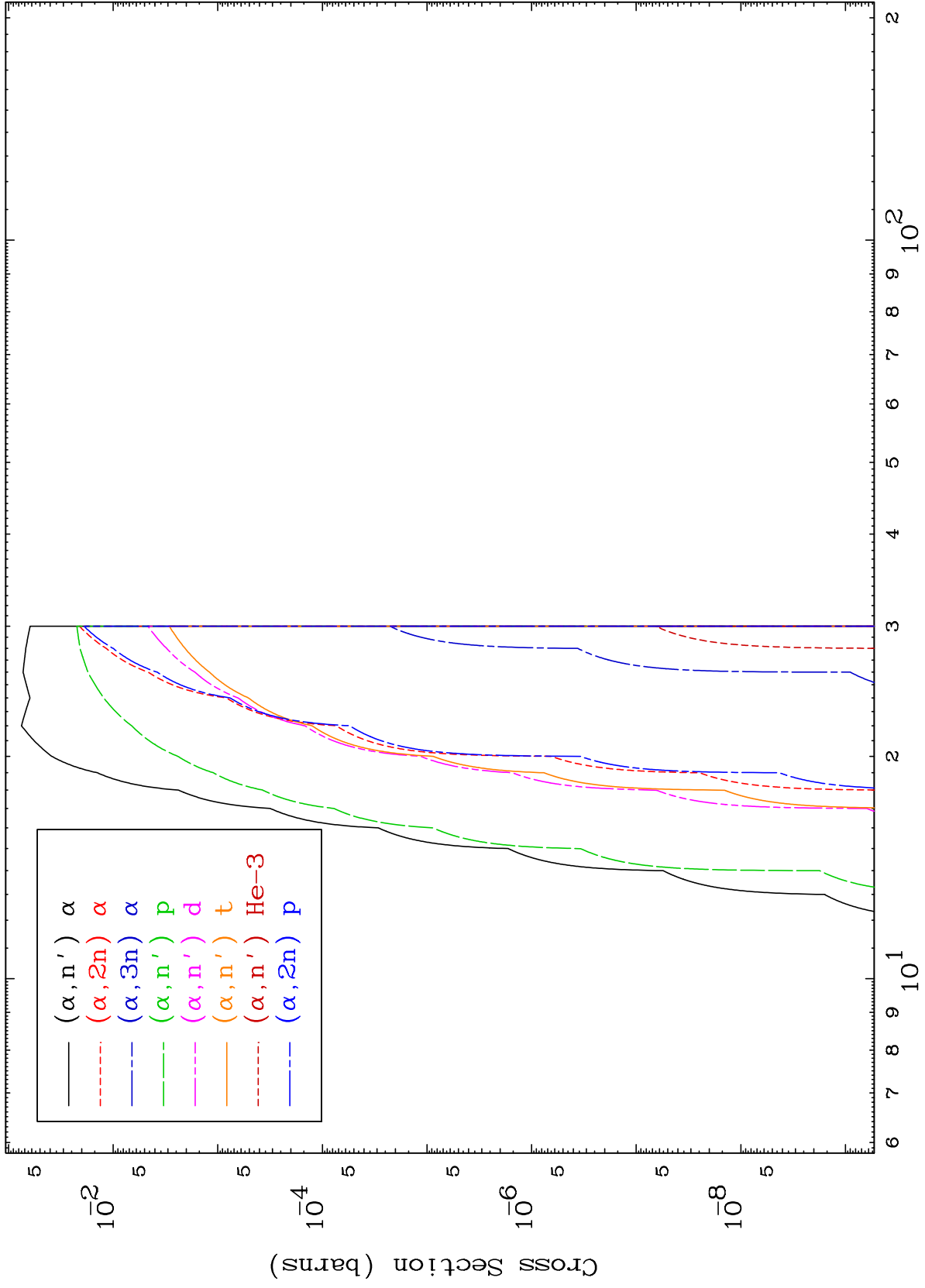
39-Y -97

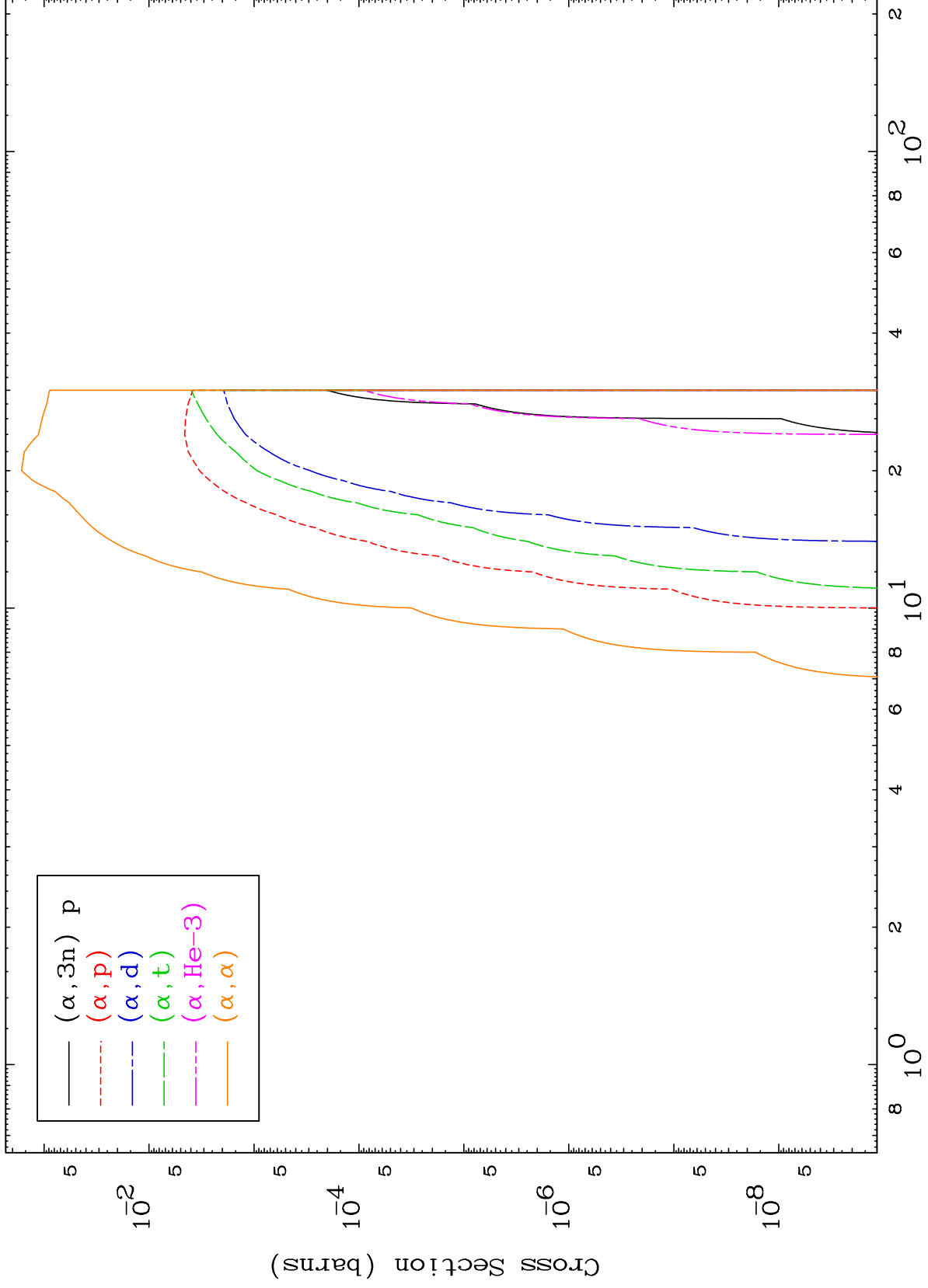
0 Kelvin Cross Sections









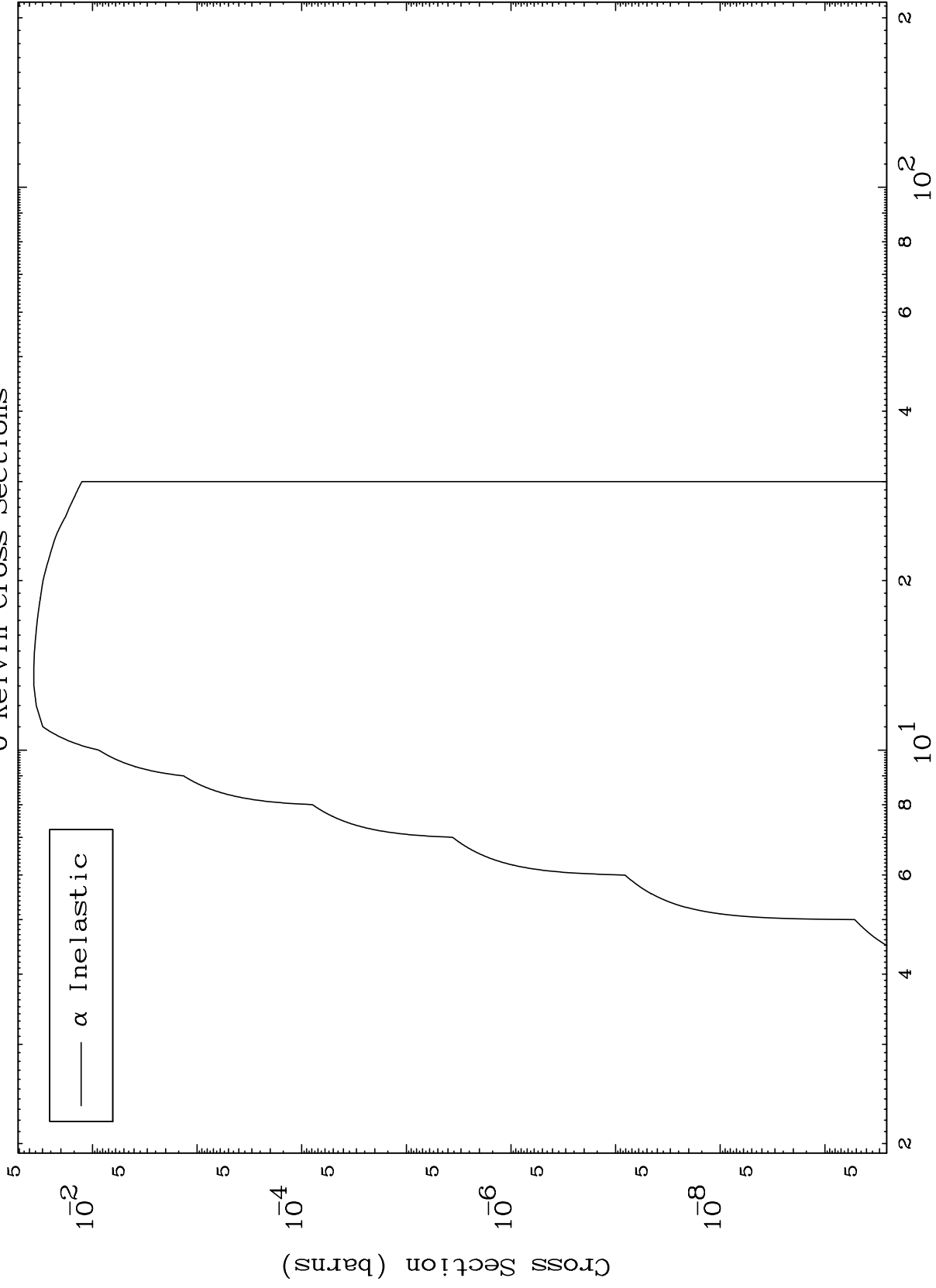


MAT 3949

( $\alpha, n'$ ) Level

39-Y -97

0 Kelvin Cross Sections



Incident Energy (MeV)

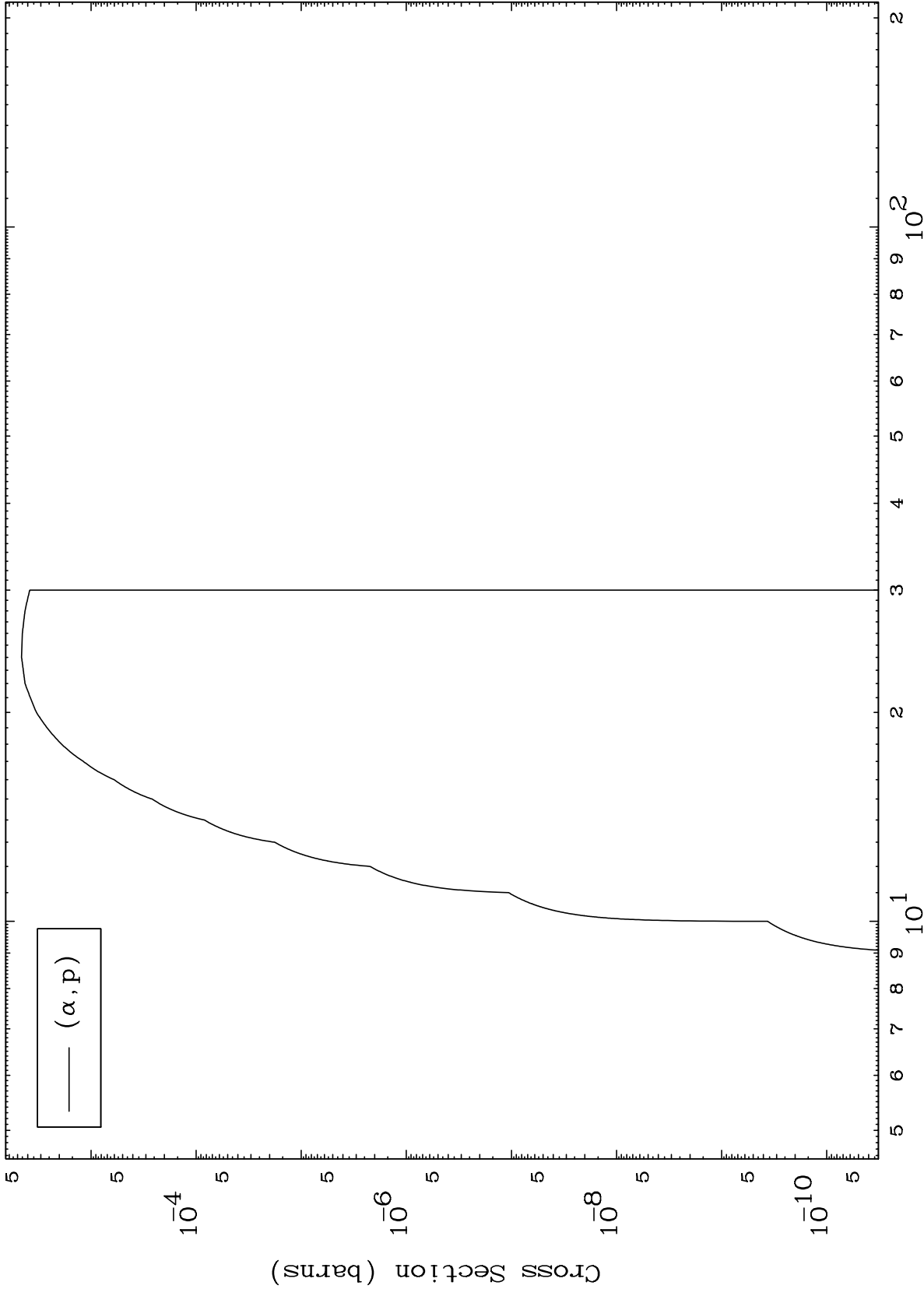
39-Y -97

6

MAT 3949

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

39-Y -97



7

Incident Energy (MeV)

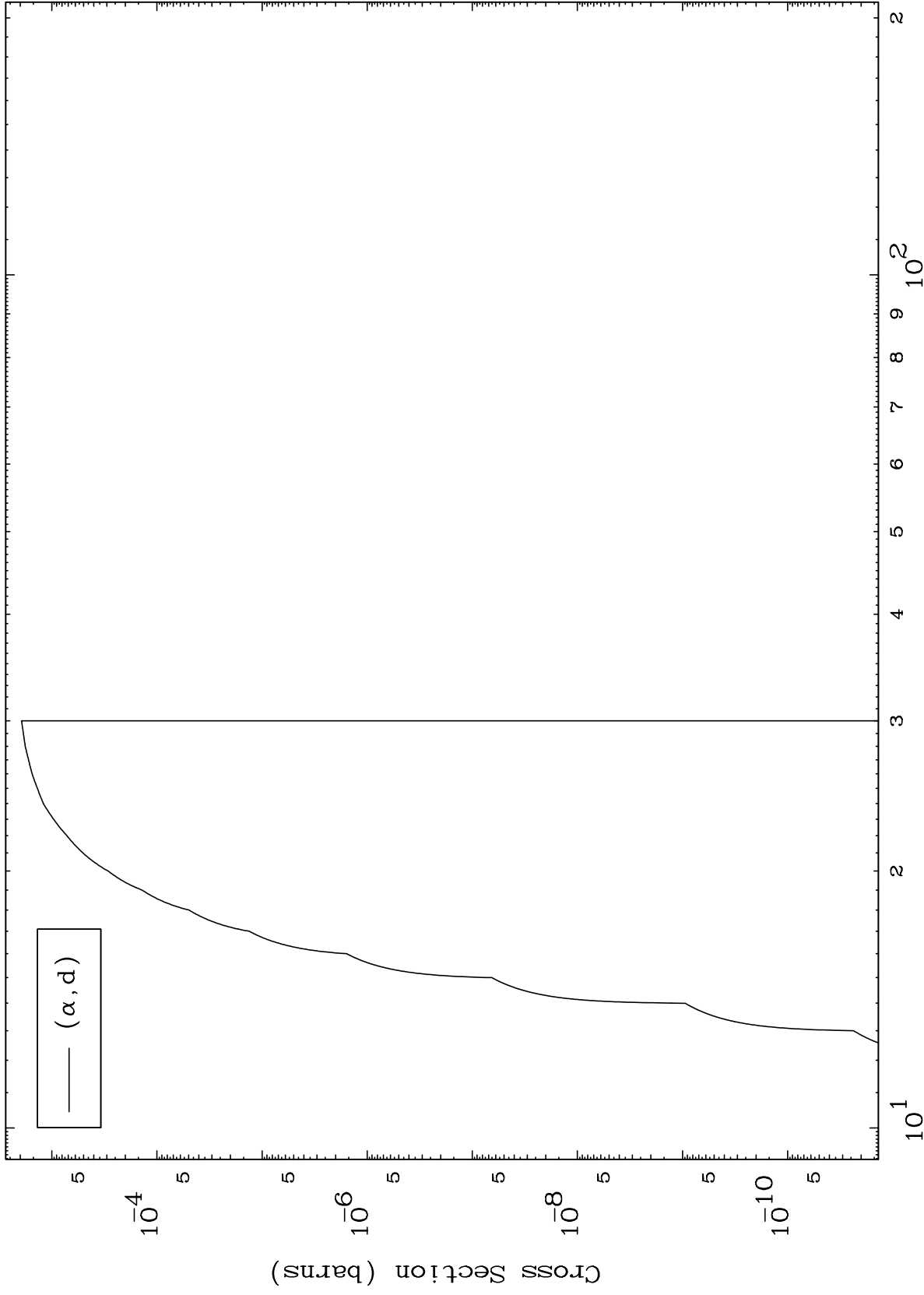
39-Y -97



MAT 3949

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

39-Y -97



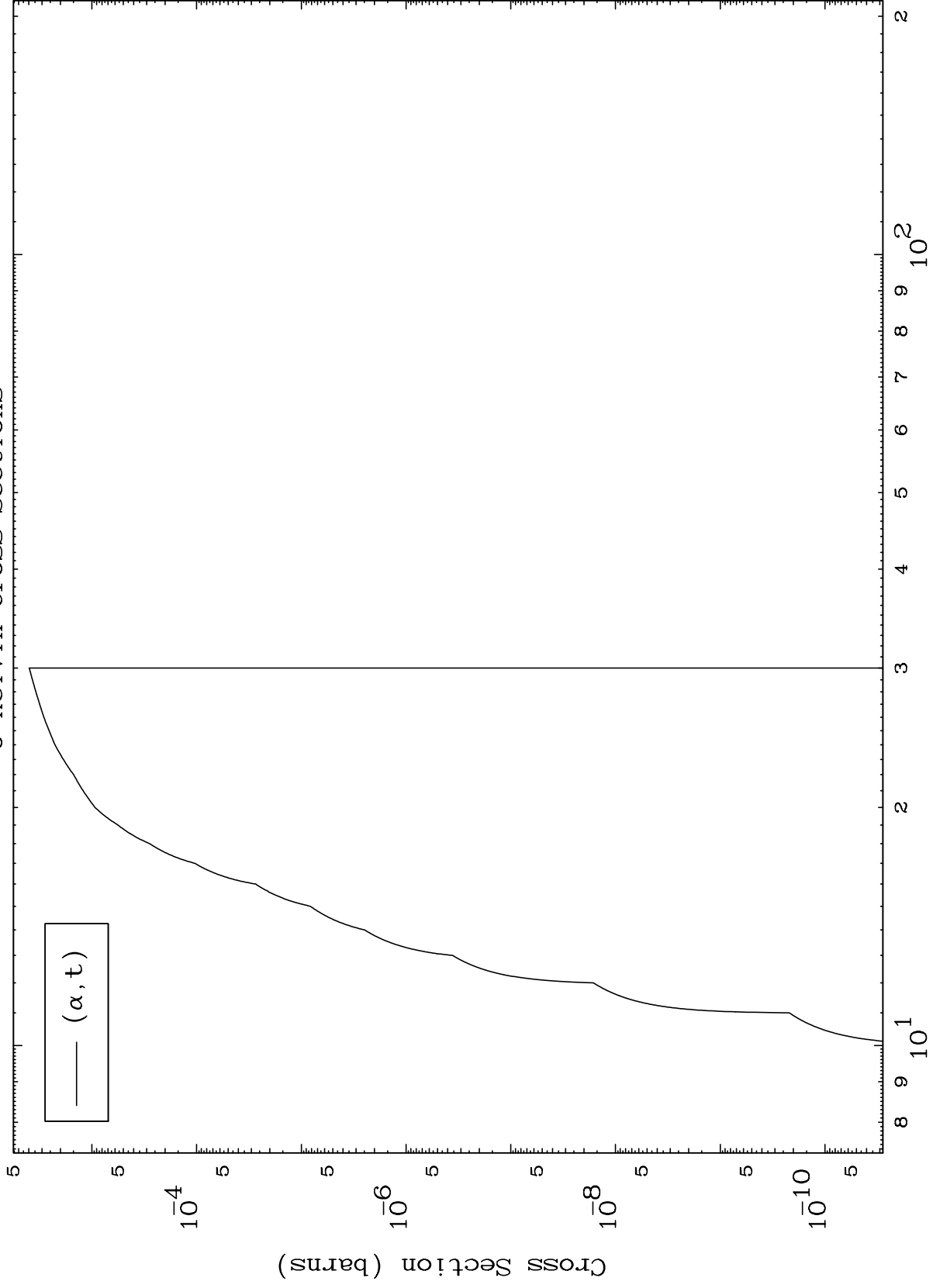
Incident Energy (MeV)

39-Y -97

MAT 3949

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

39-Y -97



9

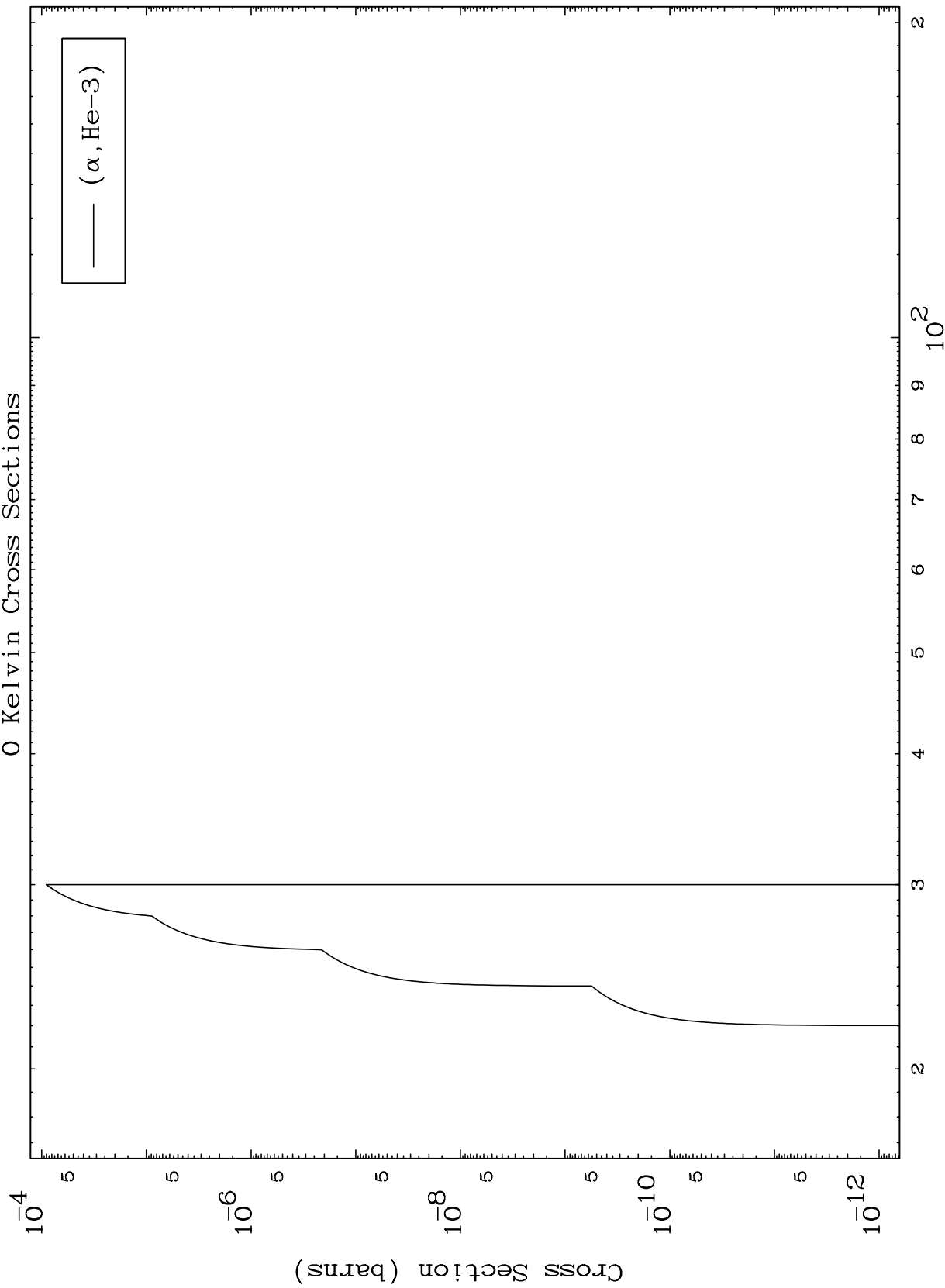
Incident Energy (MeV)

39-Y -97

MAT 3949

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

39-Y -97



10

Incident Energy (MeV)

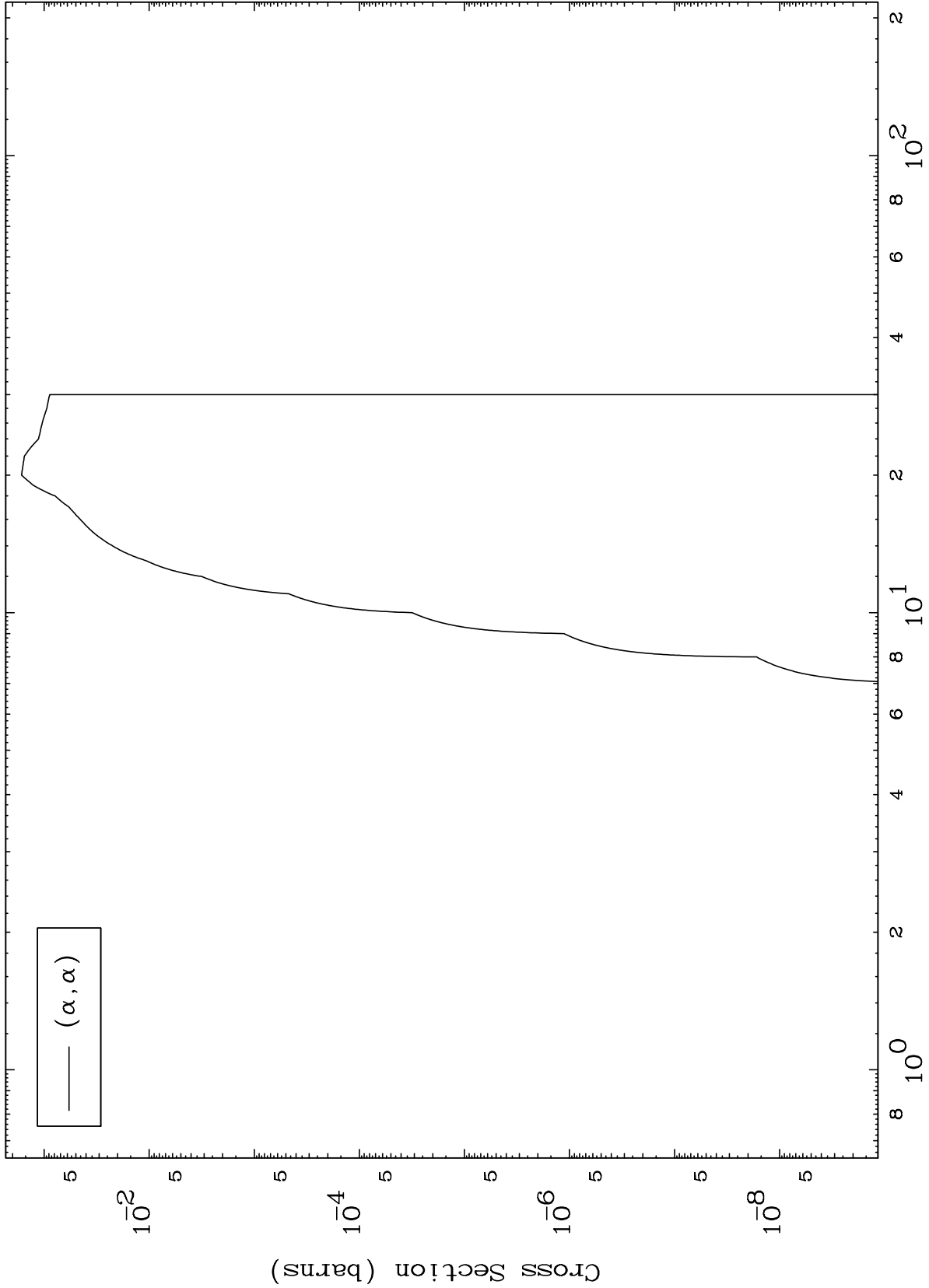
39-Y -97

MAT 3949

( $\alpha, \alpha$ ) Levels

39-Y -97

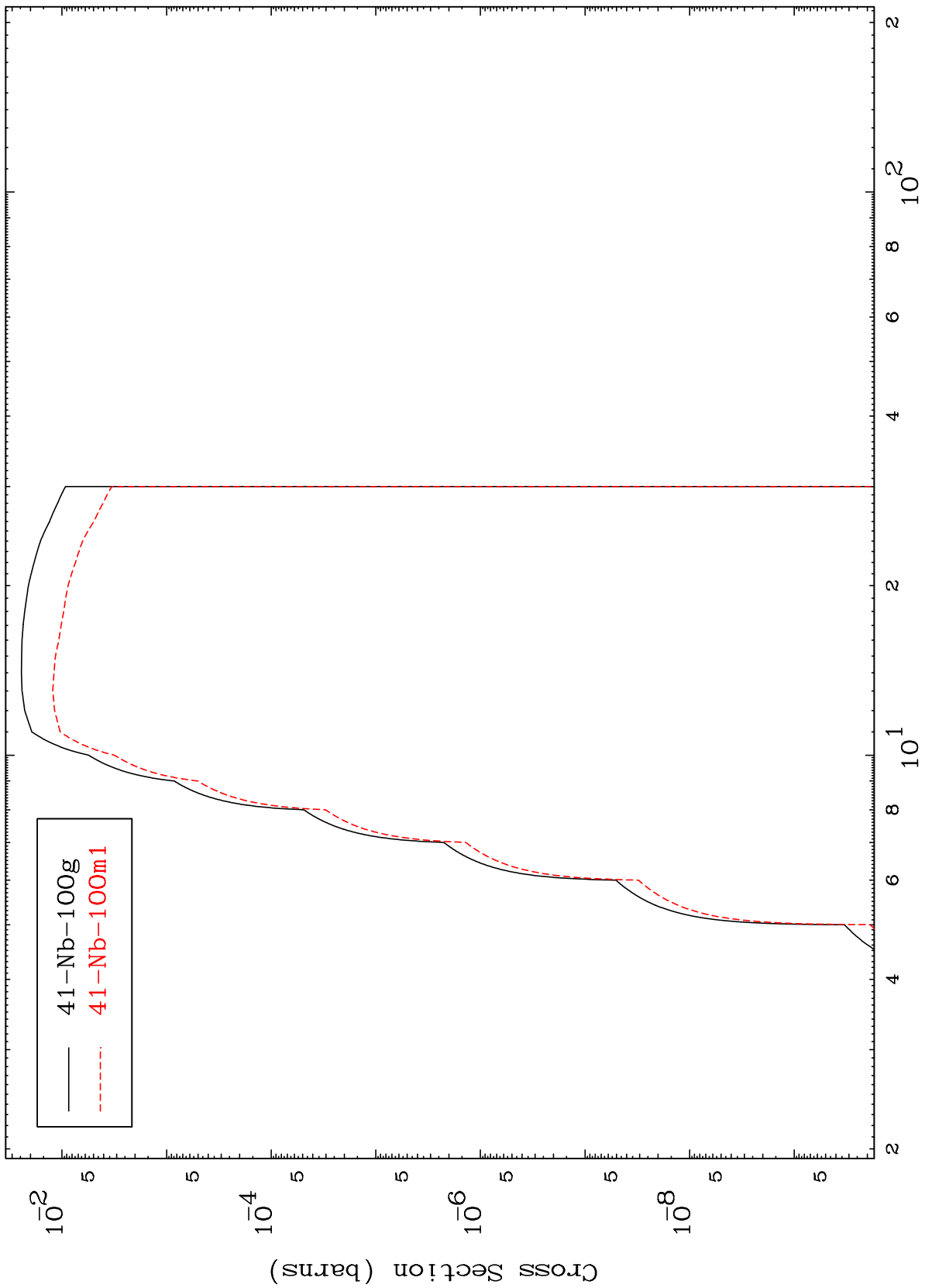
0 Kelvin Cross Sections



MAT 3949

39-Y -97

Radionuclide Production Cross Section  
 $\alpha$  Inelastic



12

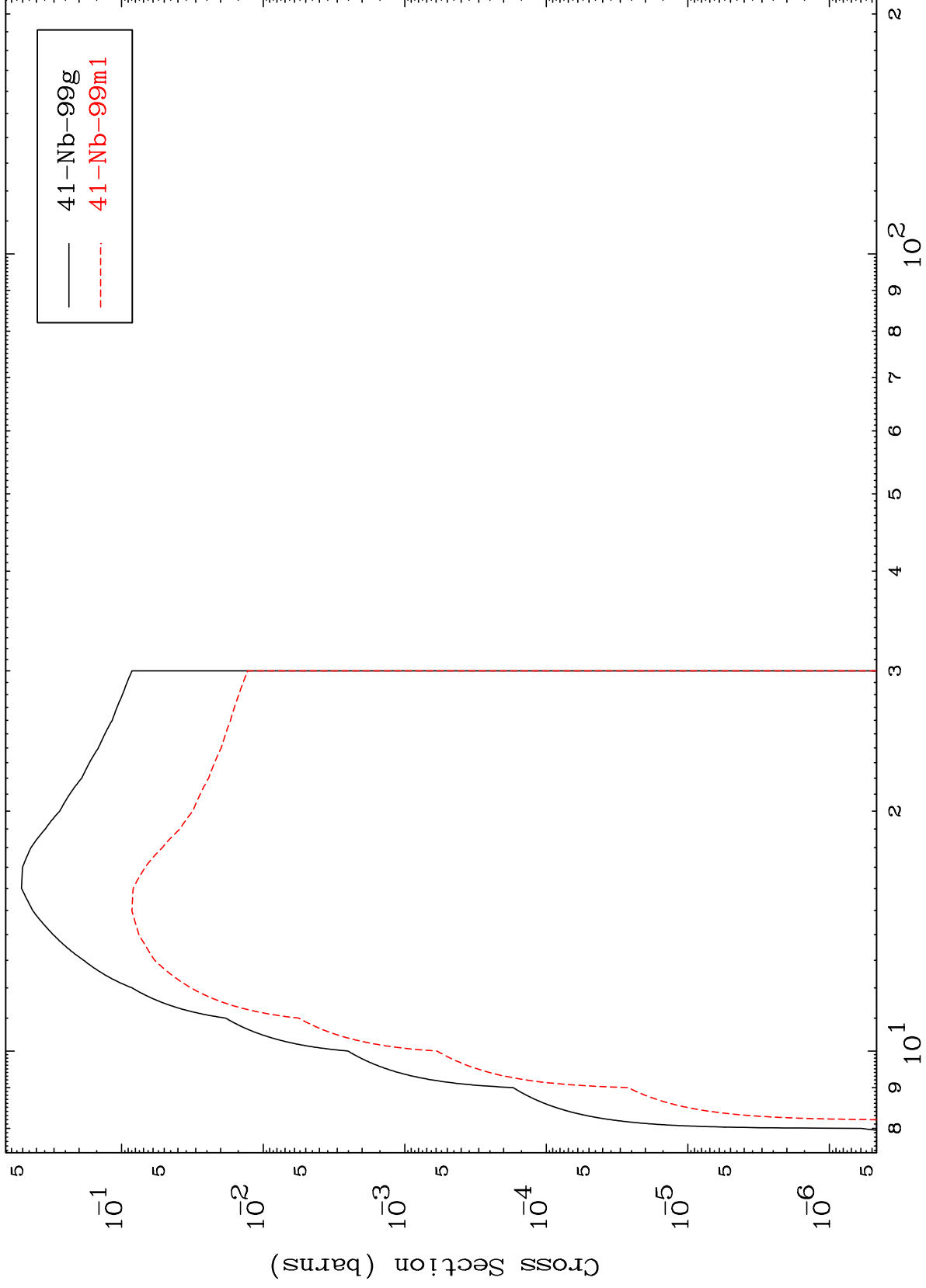
Incident Energy (MeV)

39-Y -97

MAT 3949

39-Y -97

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



39-Y -97

Incident Energy (MeV)

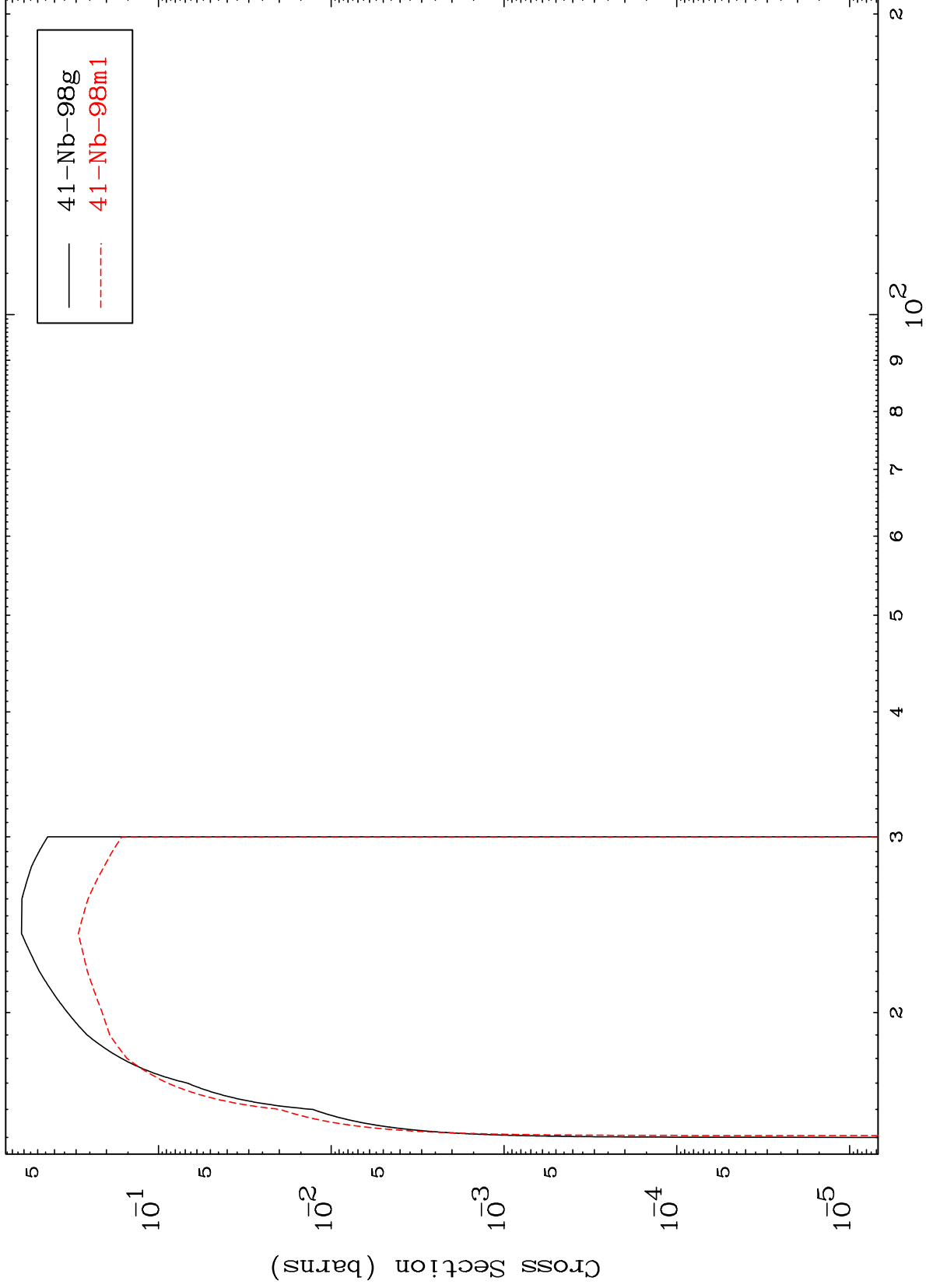
13

MAT 3949

( $\alpha, 3n$ )

39-Y -97

Radionuclide Production Cross Section



14

Incident Energy (MeV)

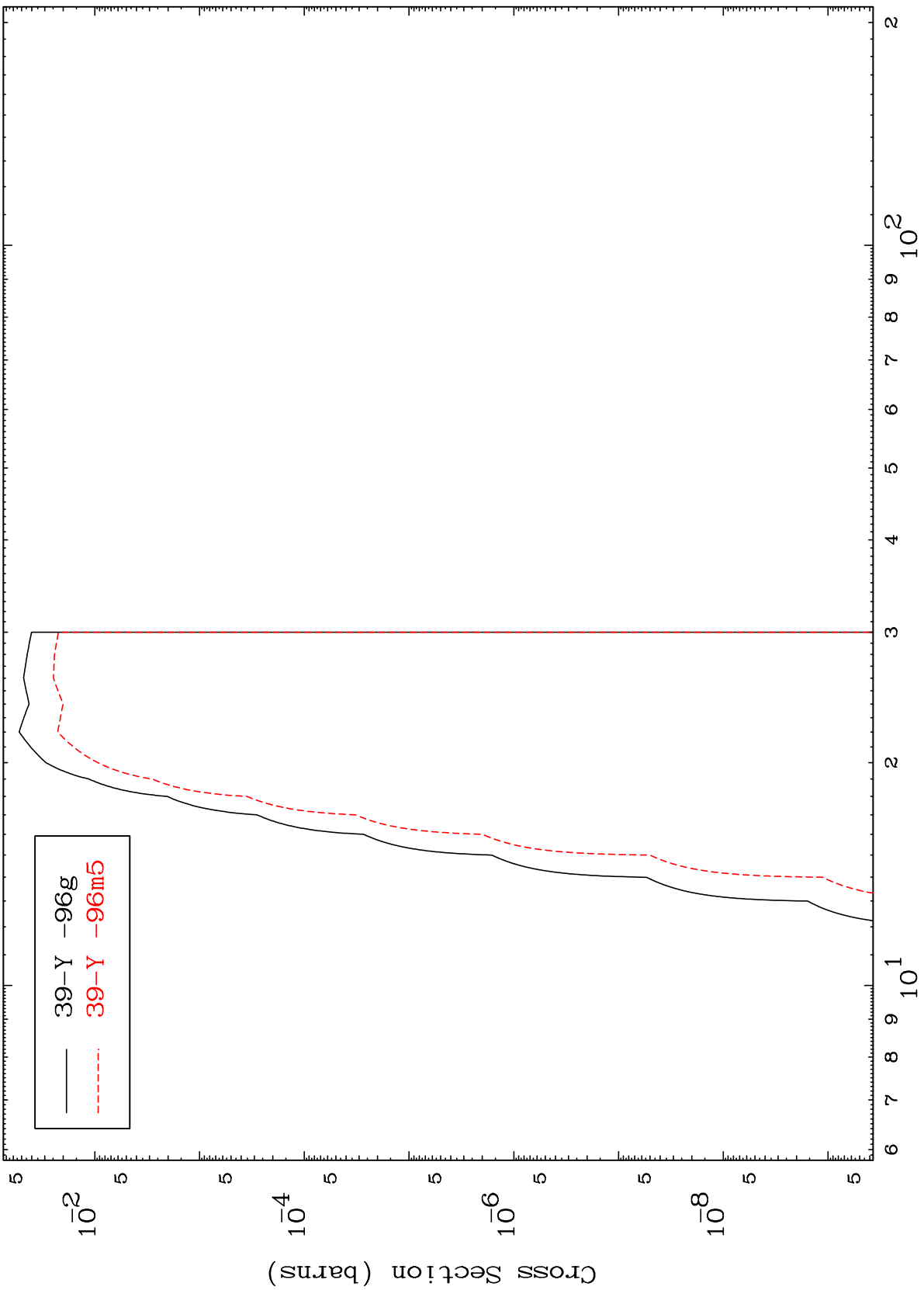
39-Y -97

MAT 3949

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

39-Y -97

Radionuclide Production Cross Section



39-Y -96g  
39-Y -96m5

Incident Energy (MeV)

39-Y -97

15

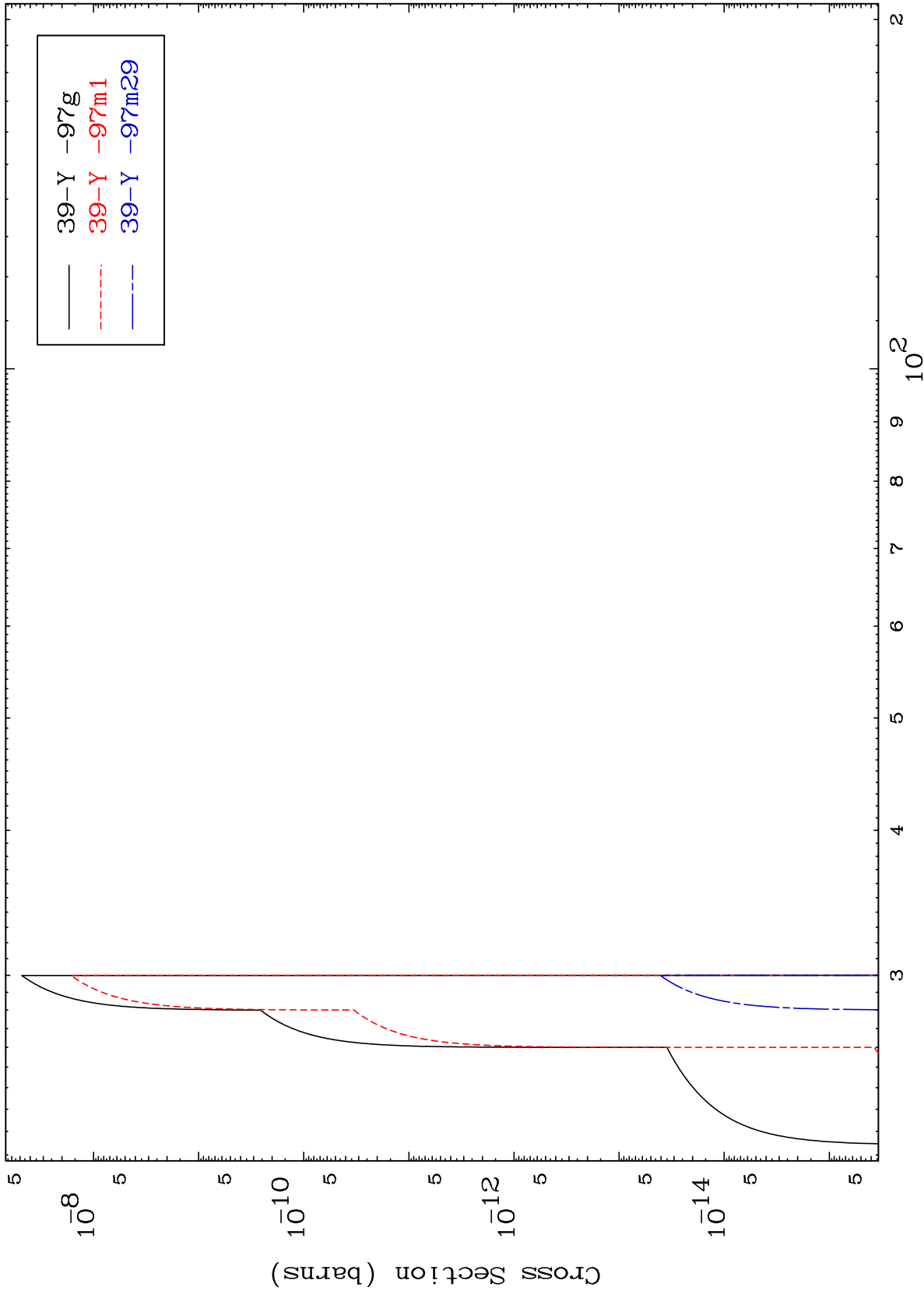


MAT 3949

( $\alpha, n'$ ) He-3

39-Y -97

Radionuclide Production Cross Section



16

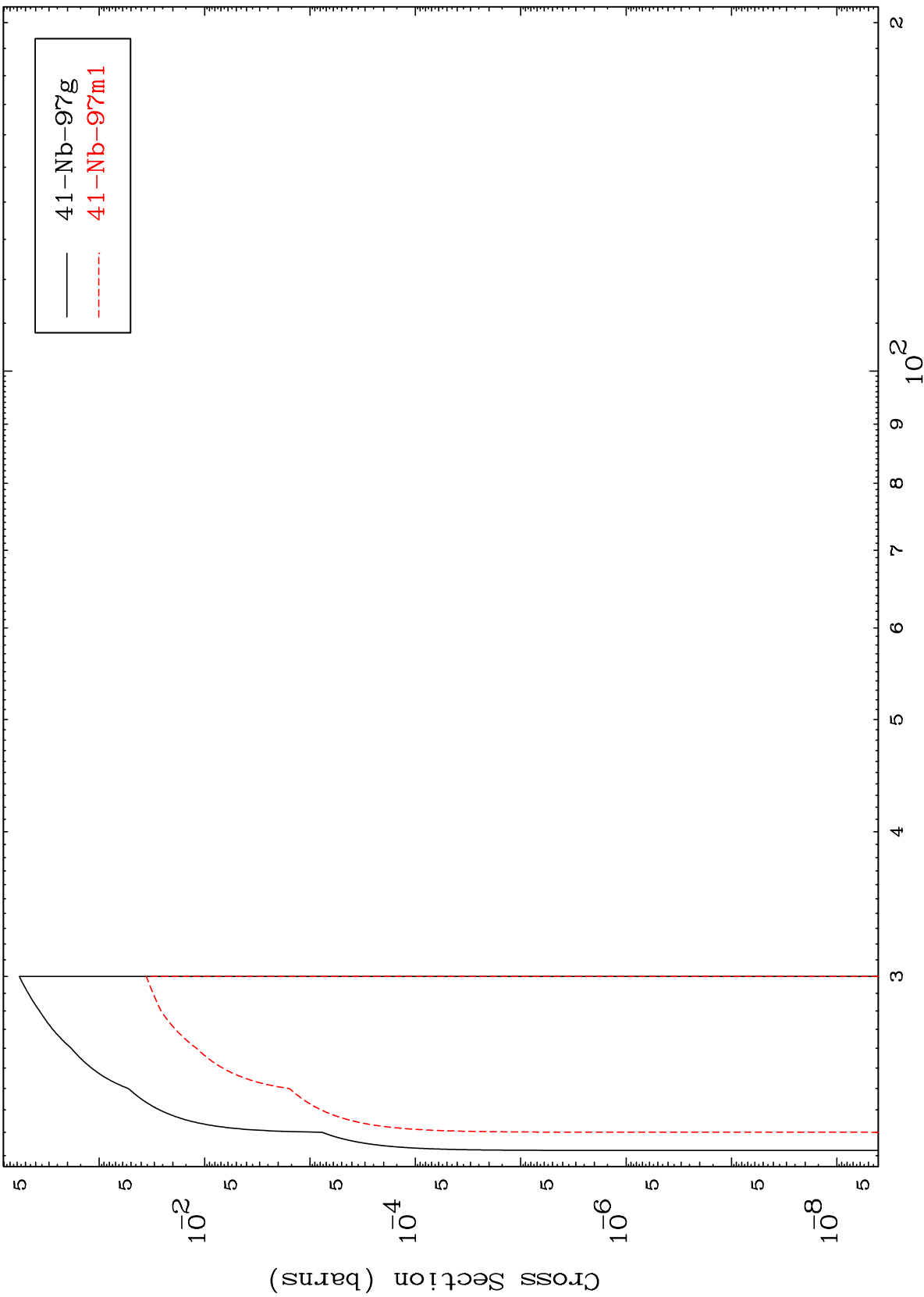
Incident Energy (MeV)

39-Y -97

MAT 3949

39-Y -97

( $\alpha, 4n$ )  
Radionuclide Production Cross Section



17

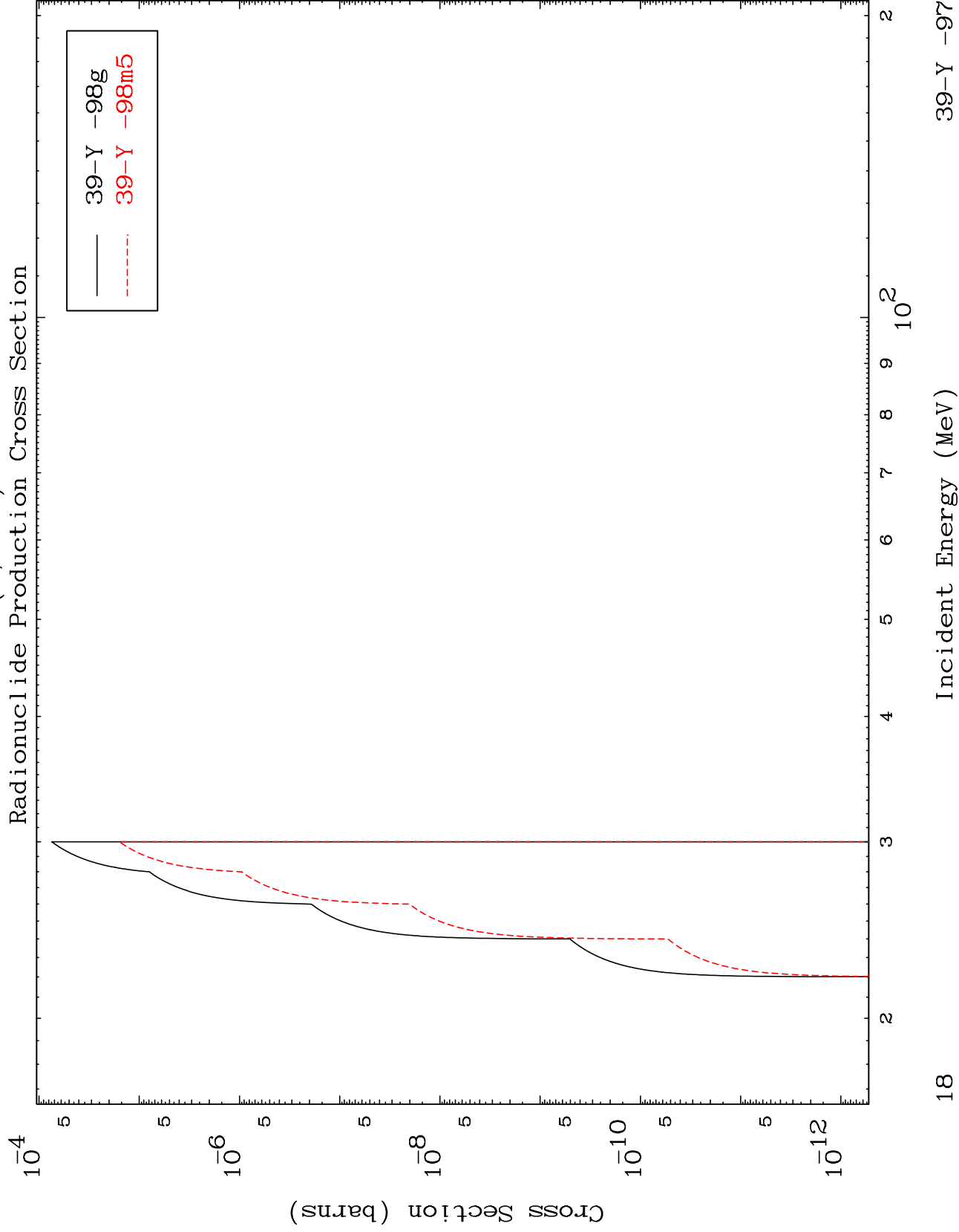
Incident Energy (MeV)

39-Y -97

MAT 3949

( $\alpha$ ,He-3)

39-Y -97

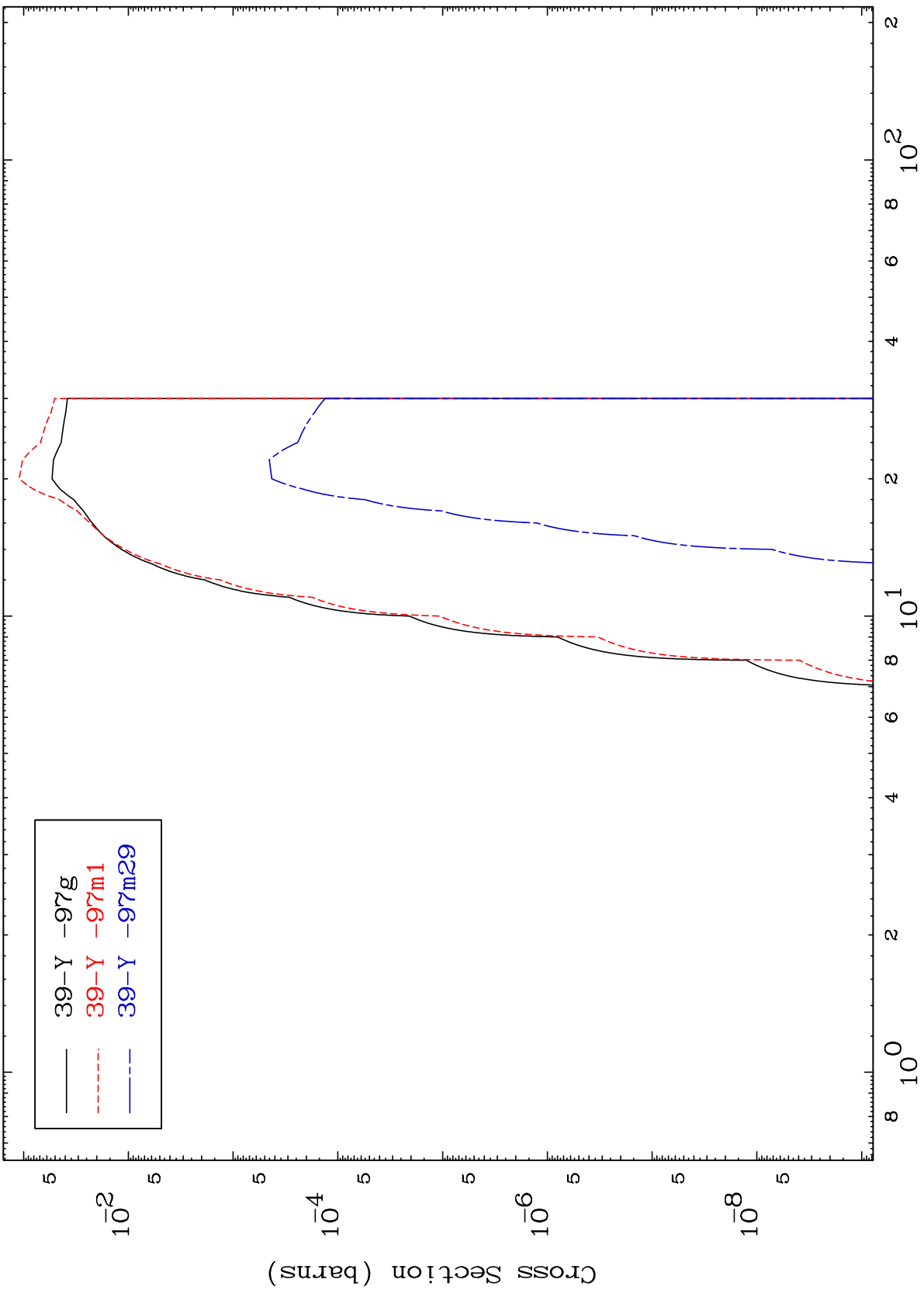


18

MAT 3949

39-Y -97

Radionuclide Production Cross Section



19

Incident Energy (MeV)

39-Y -97