

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)

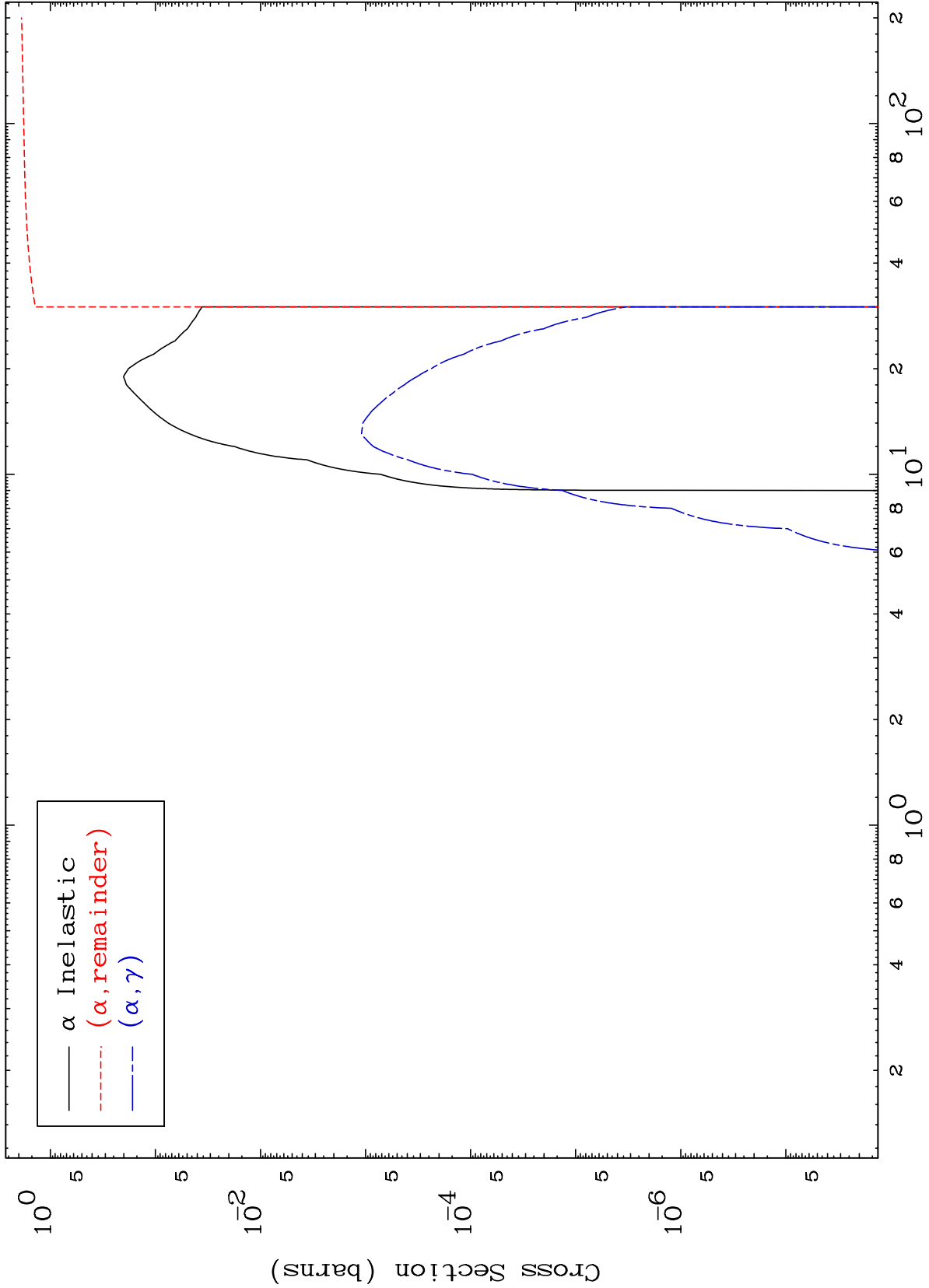
Press Mouse Button to Start

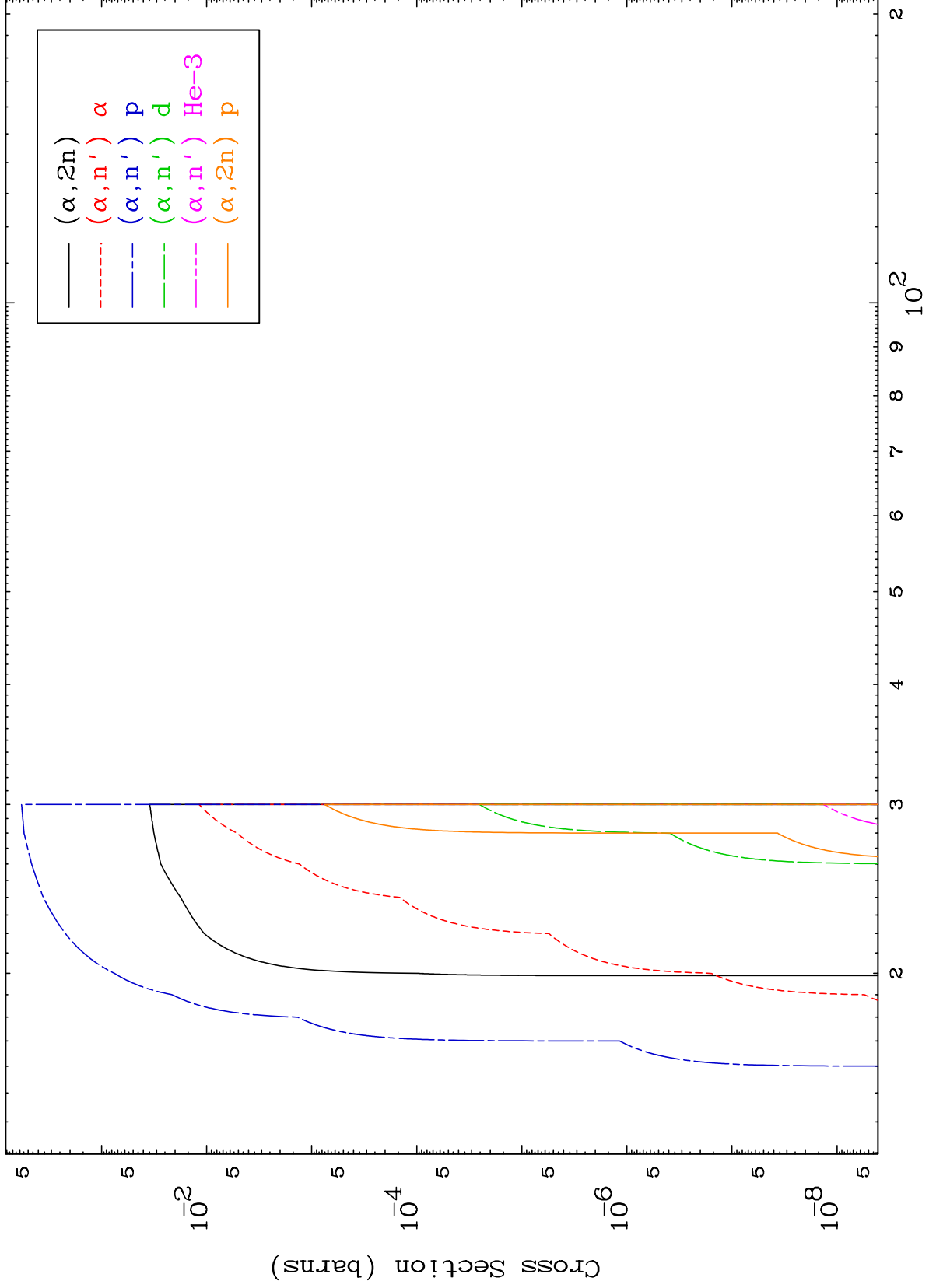
MAT 4013

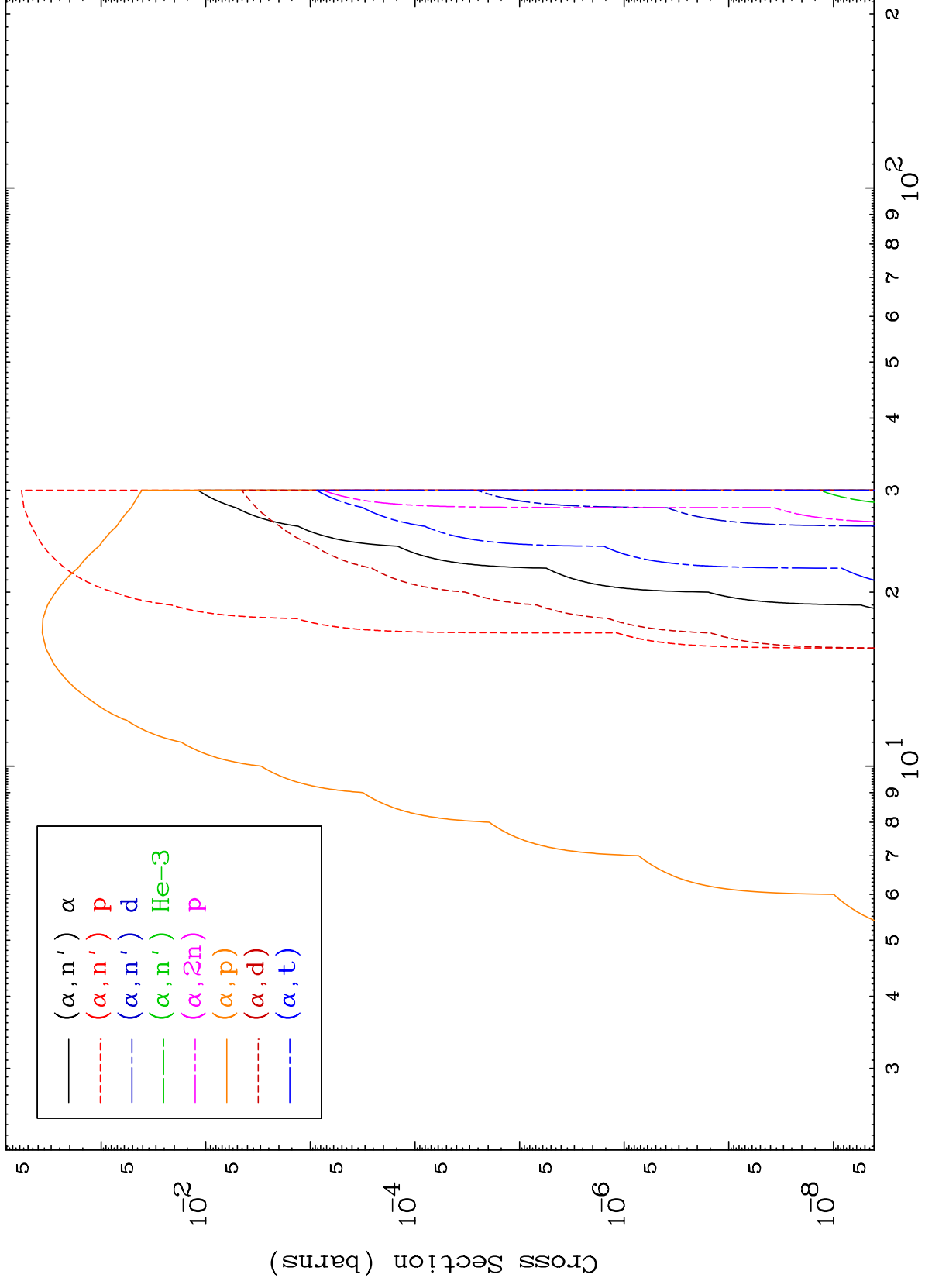
$\alpha$  Major

40-Zr-86

0 Kelvin Cross Sections



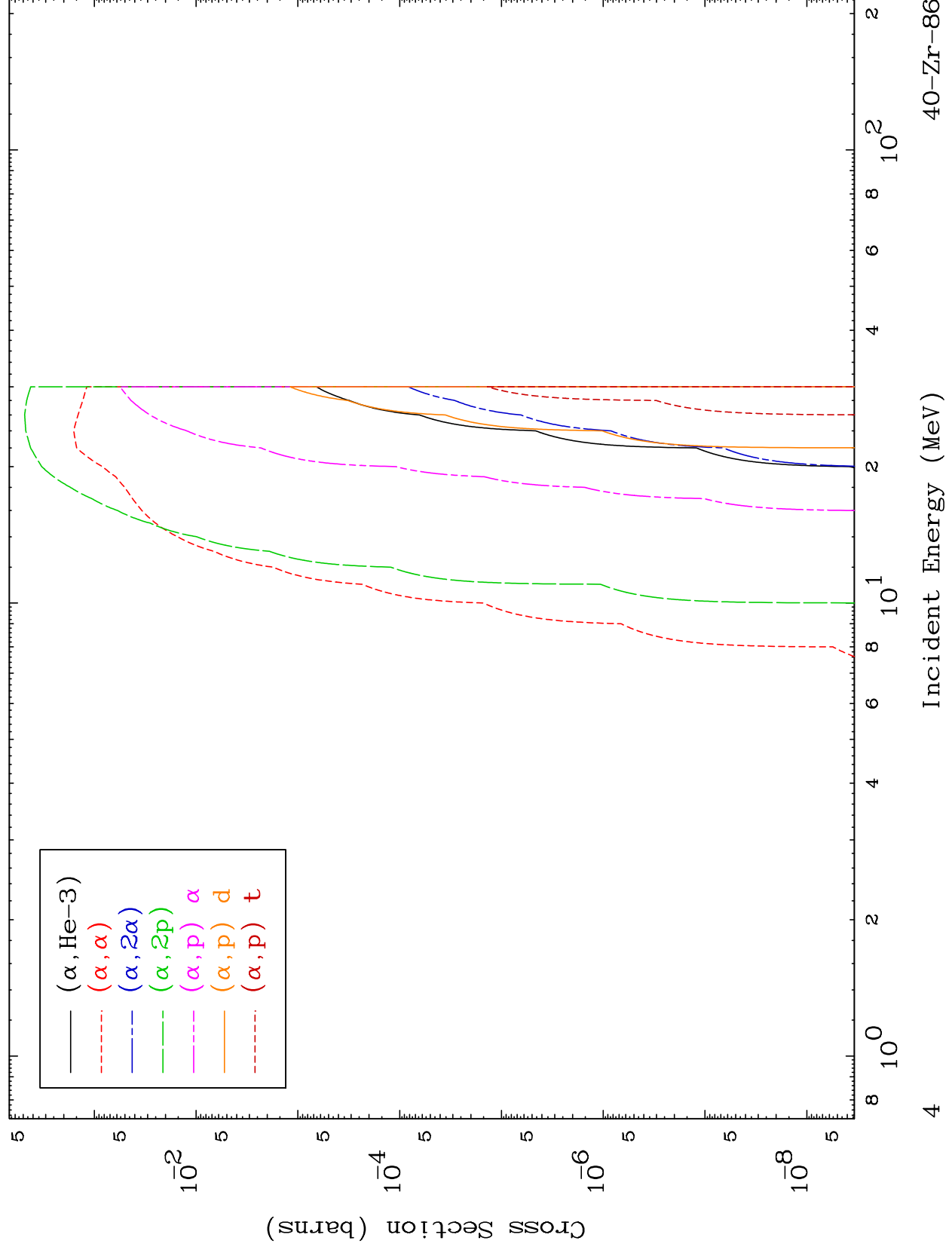




MAT 4013

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

40-Zr-86



40-Zr-86

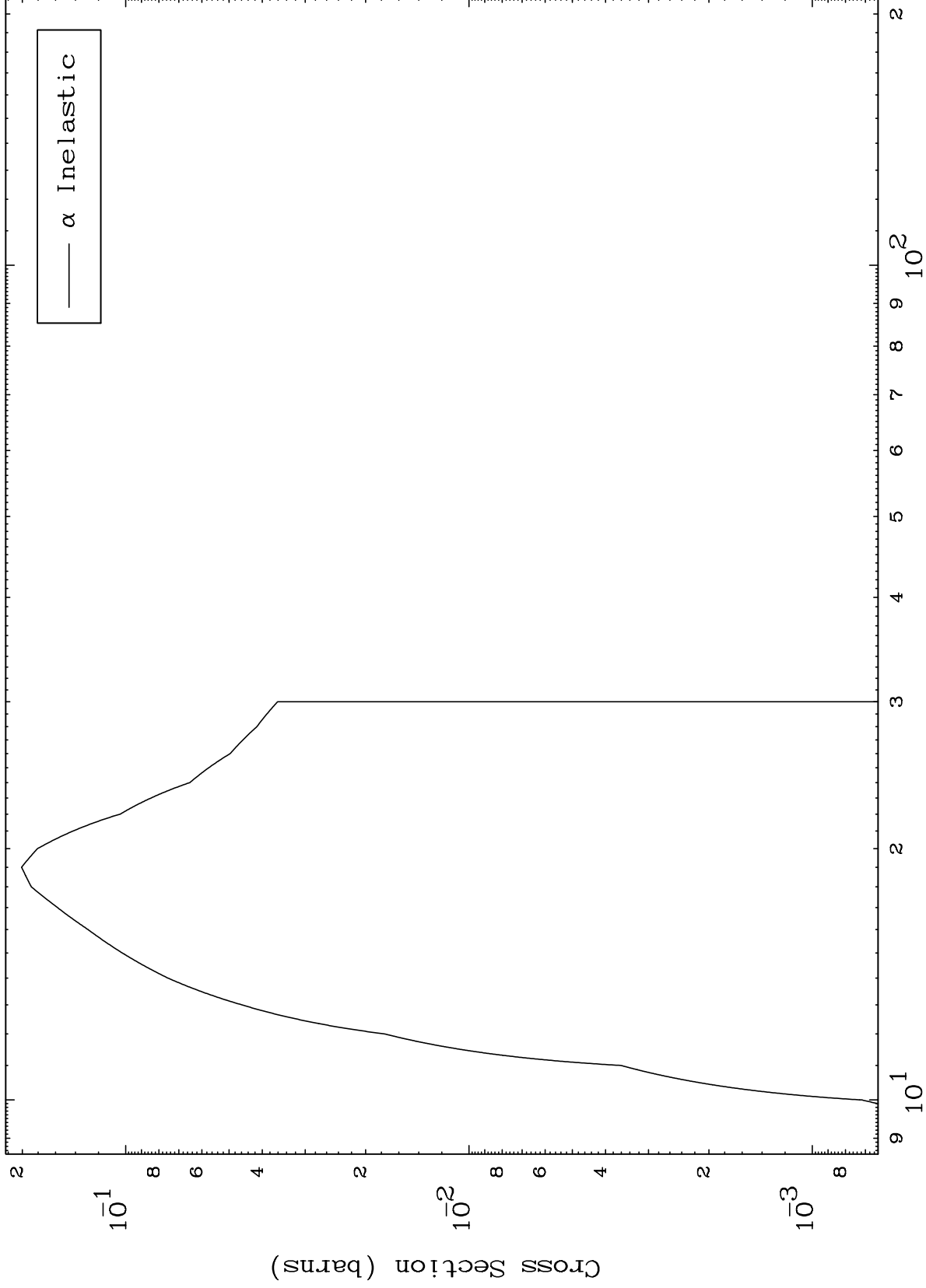
Incident Energy (MeV)

4

MAT 4013

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

40-Zr-86



Incident Energy (MeV)

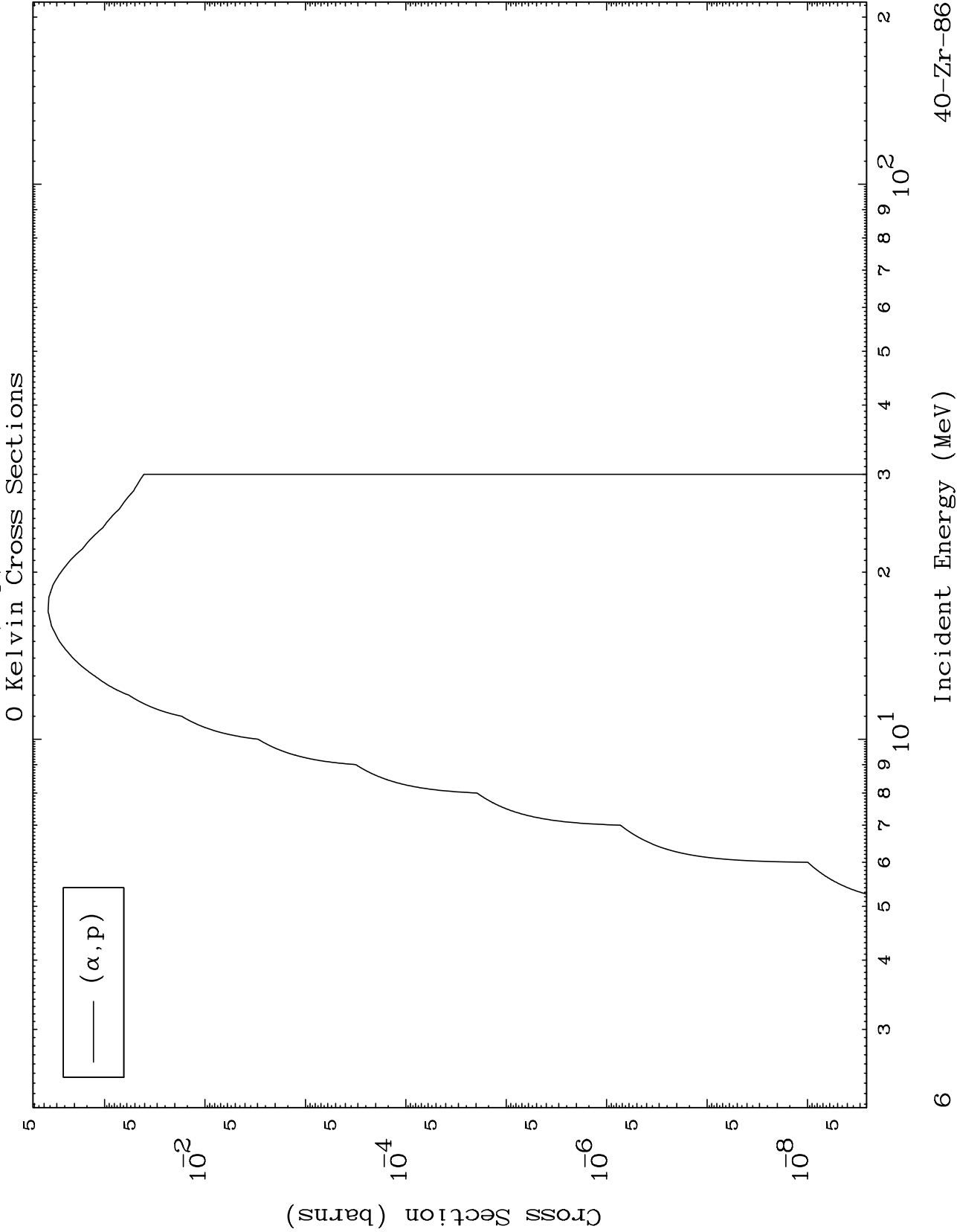
40-Zr-86

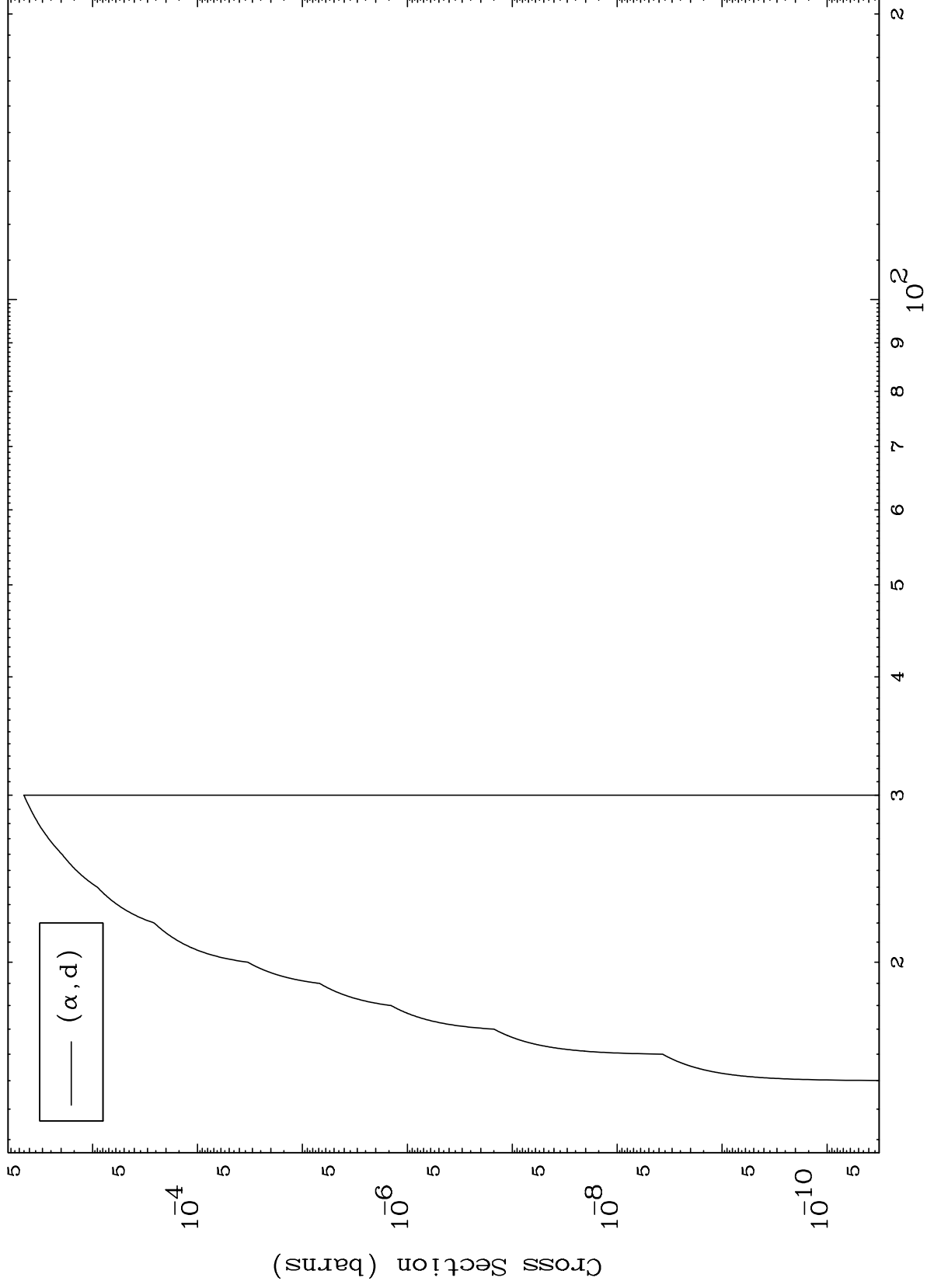
5

MAT 4013

( $\alpha, p$ ) Levels

40-Zr-86



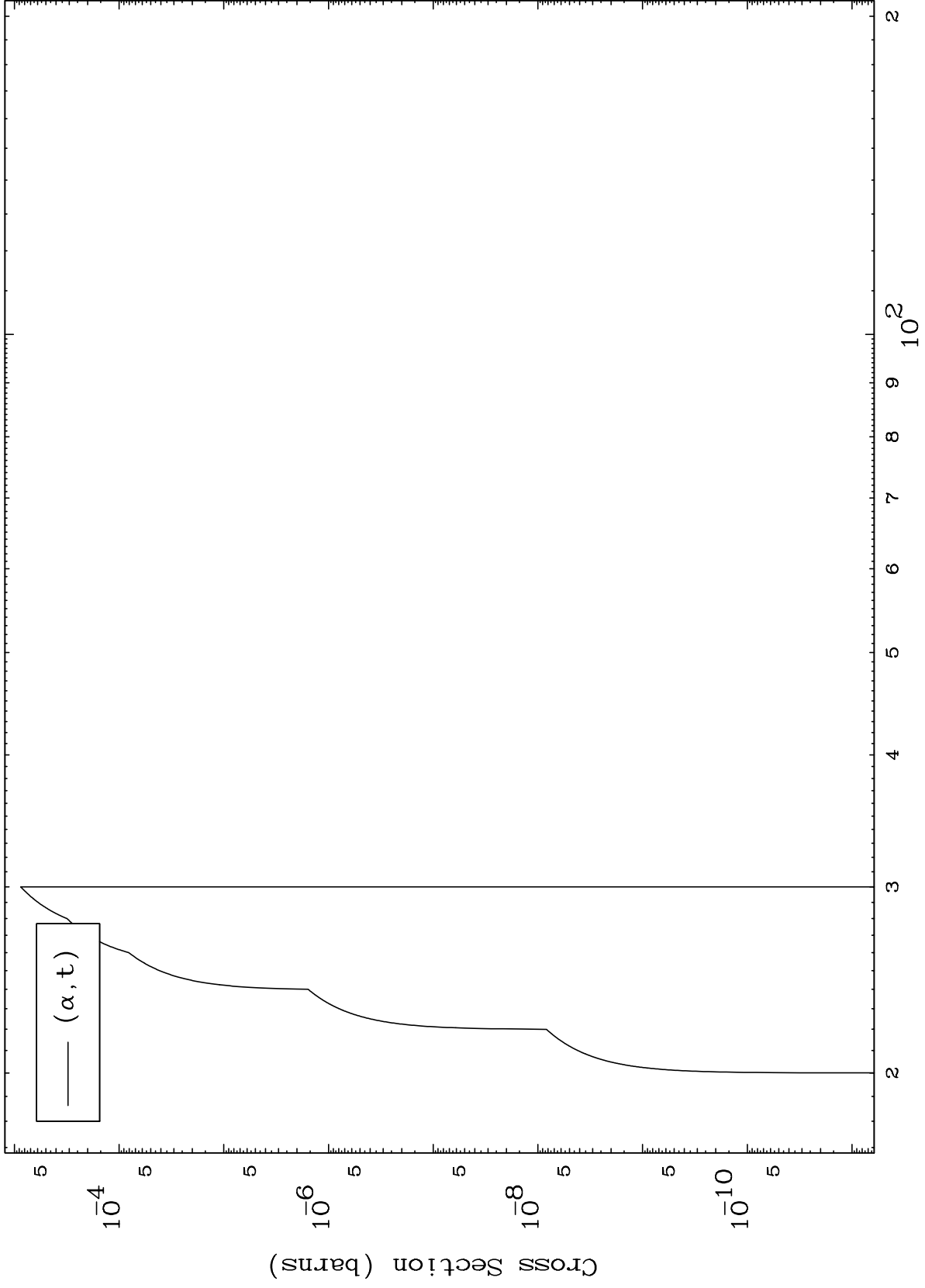




MAT 4013

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

40-Zr-86

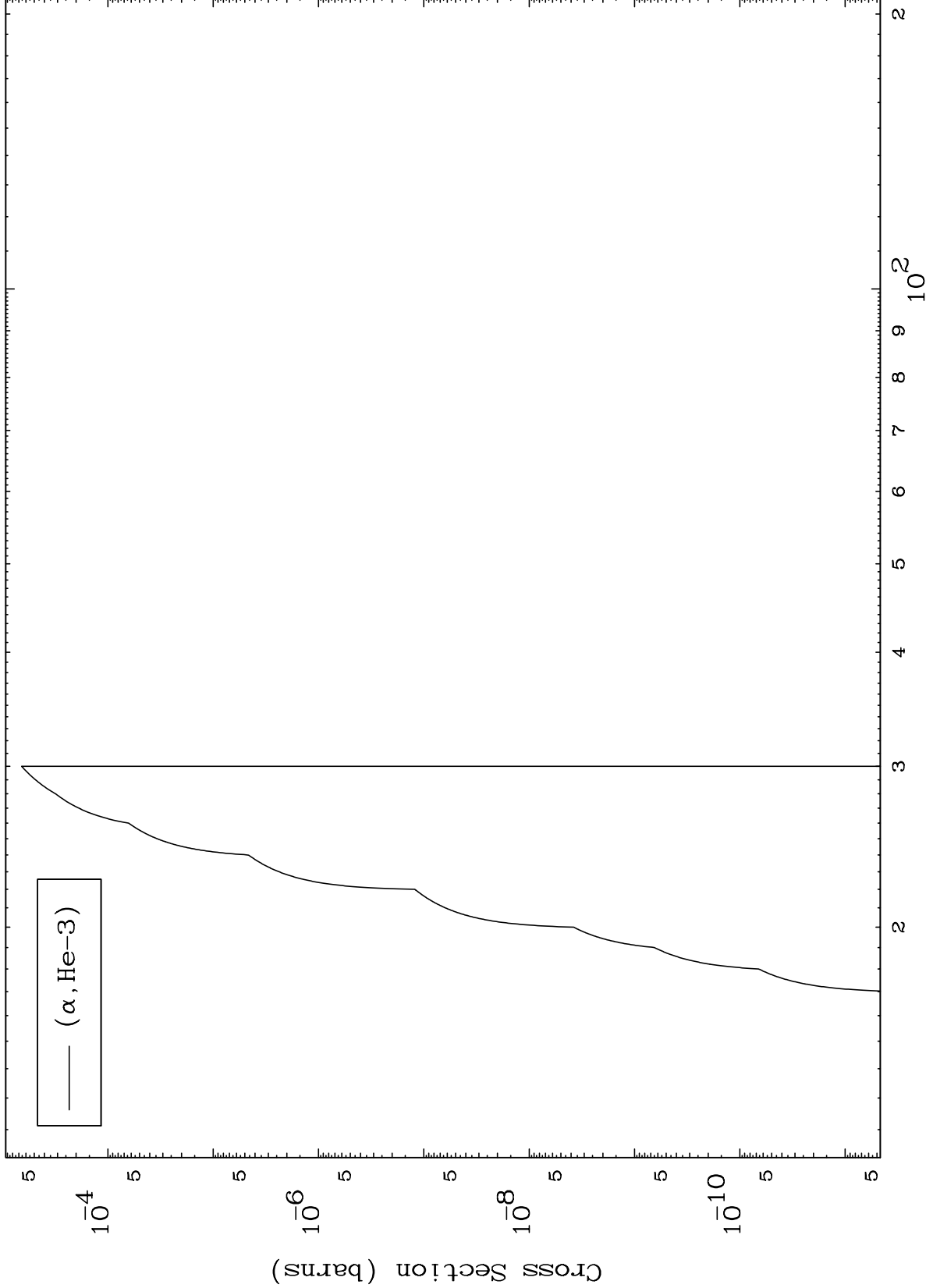


8

Incident Energy (MeV)

40-Zr-86

0 Kelvin Cross Sections

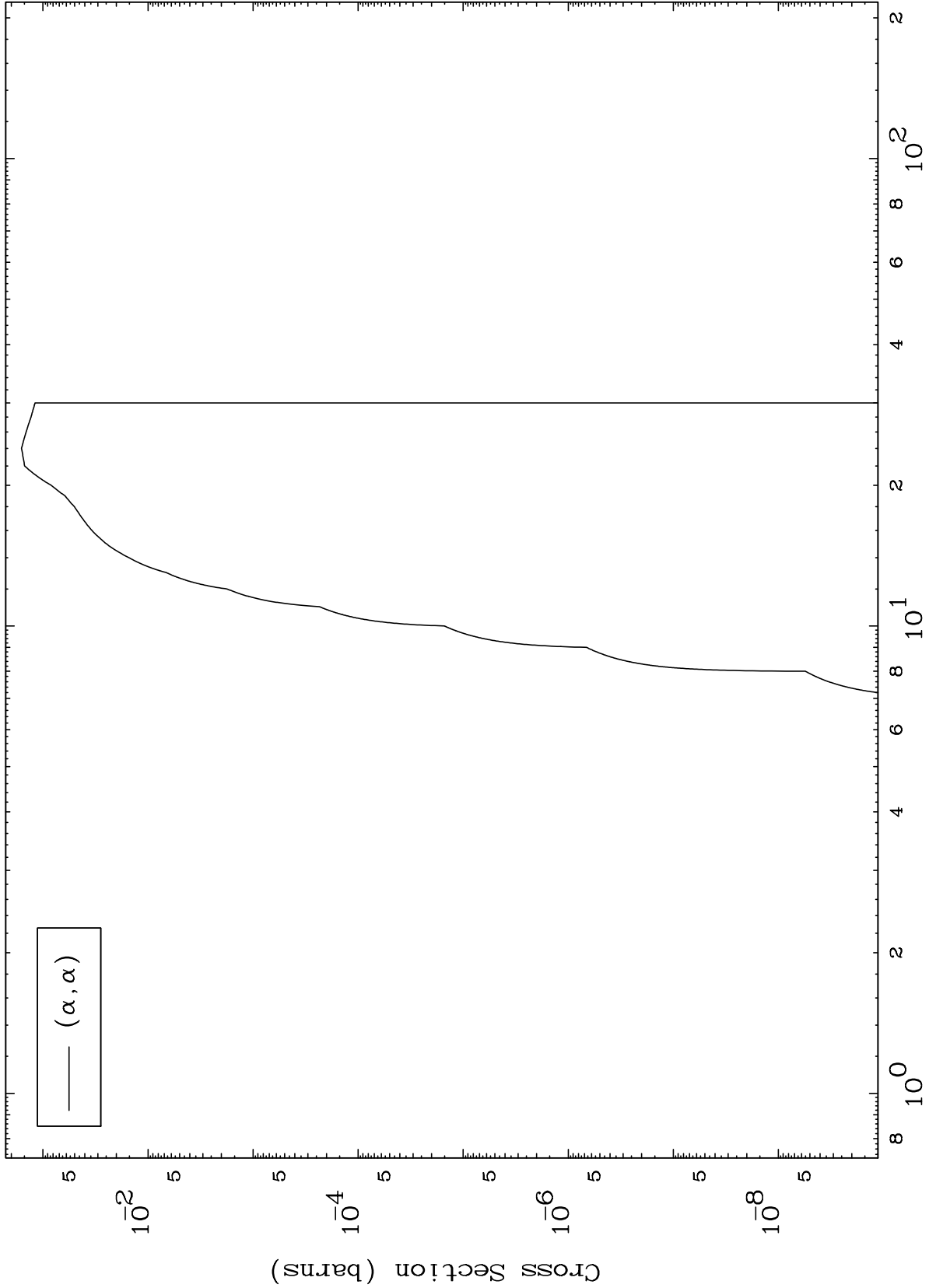


MAT 4013

( $\alpha, \alpha$ ) Levels

40-Zr-86

0 Kelvin Cross Sections



10

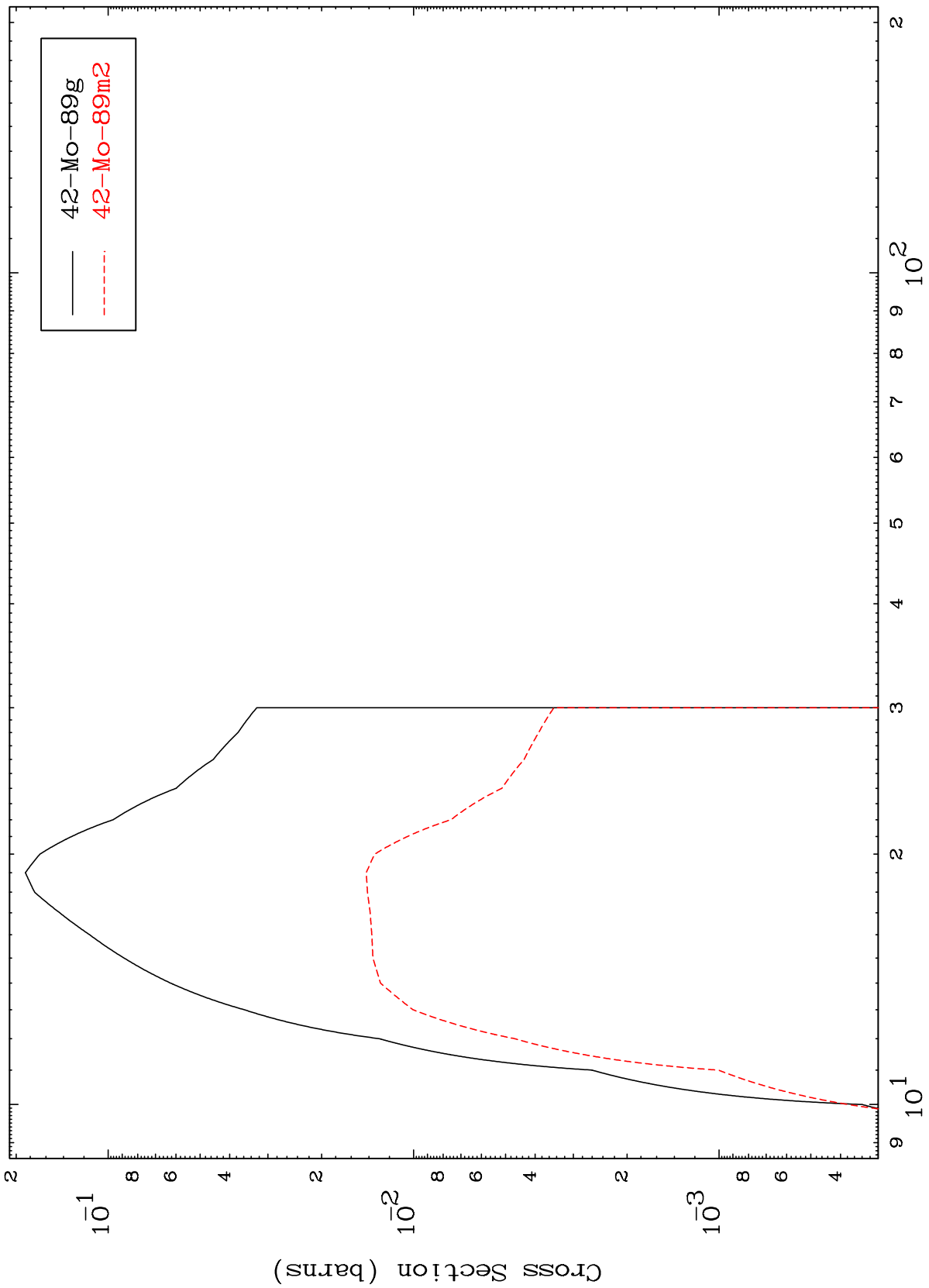
Incident Energy (MeV)

40-Zr-86

MAT 4013

40-Zr-86

Radionuclide Production Cross Section  
 $\alpha$  Inelastic



40-Zr-86

Incident Energy (MeV)

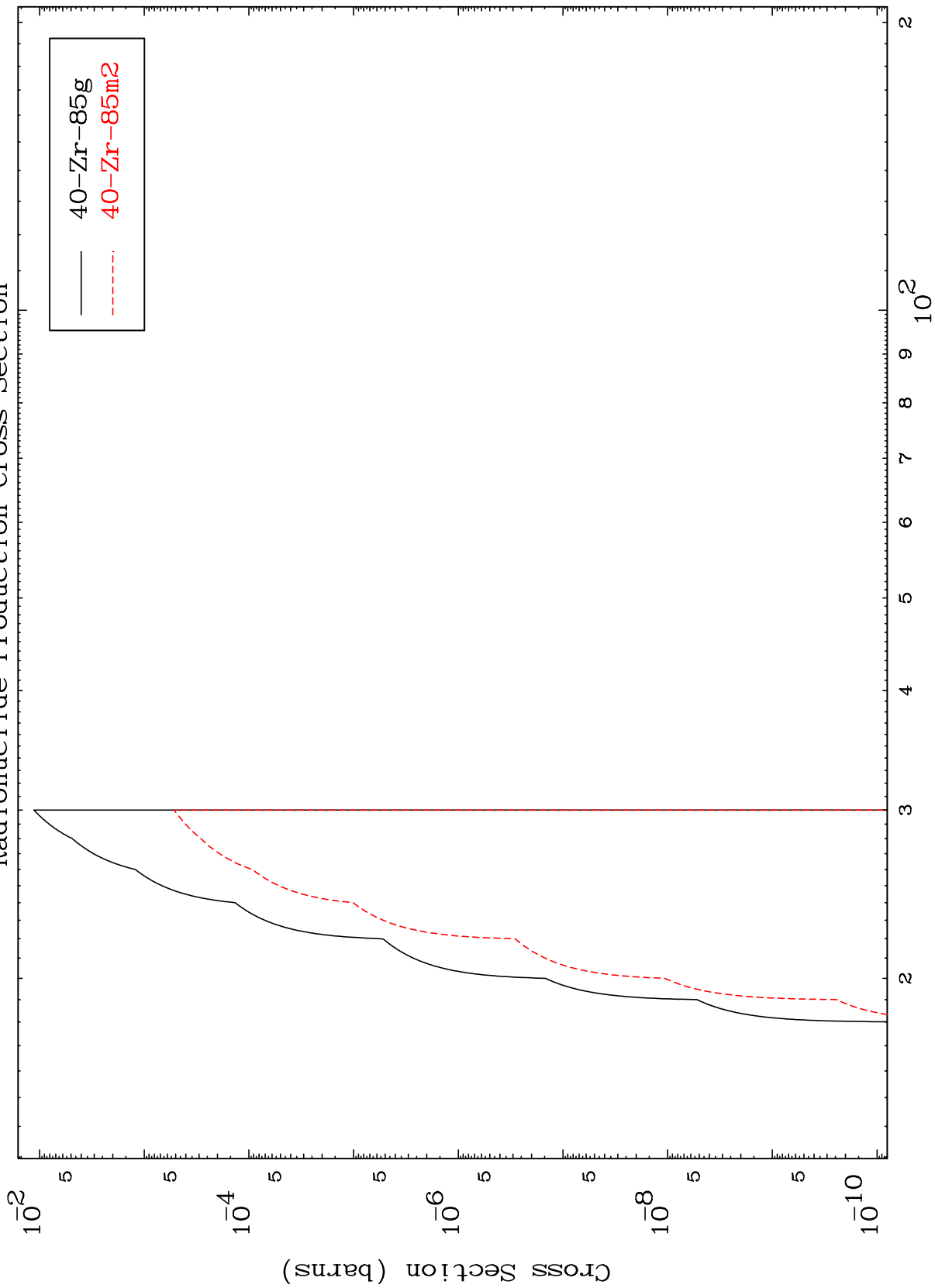
11

MAT 4013

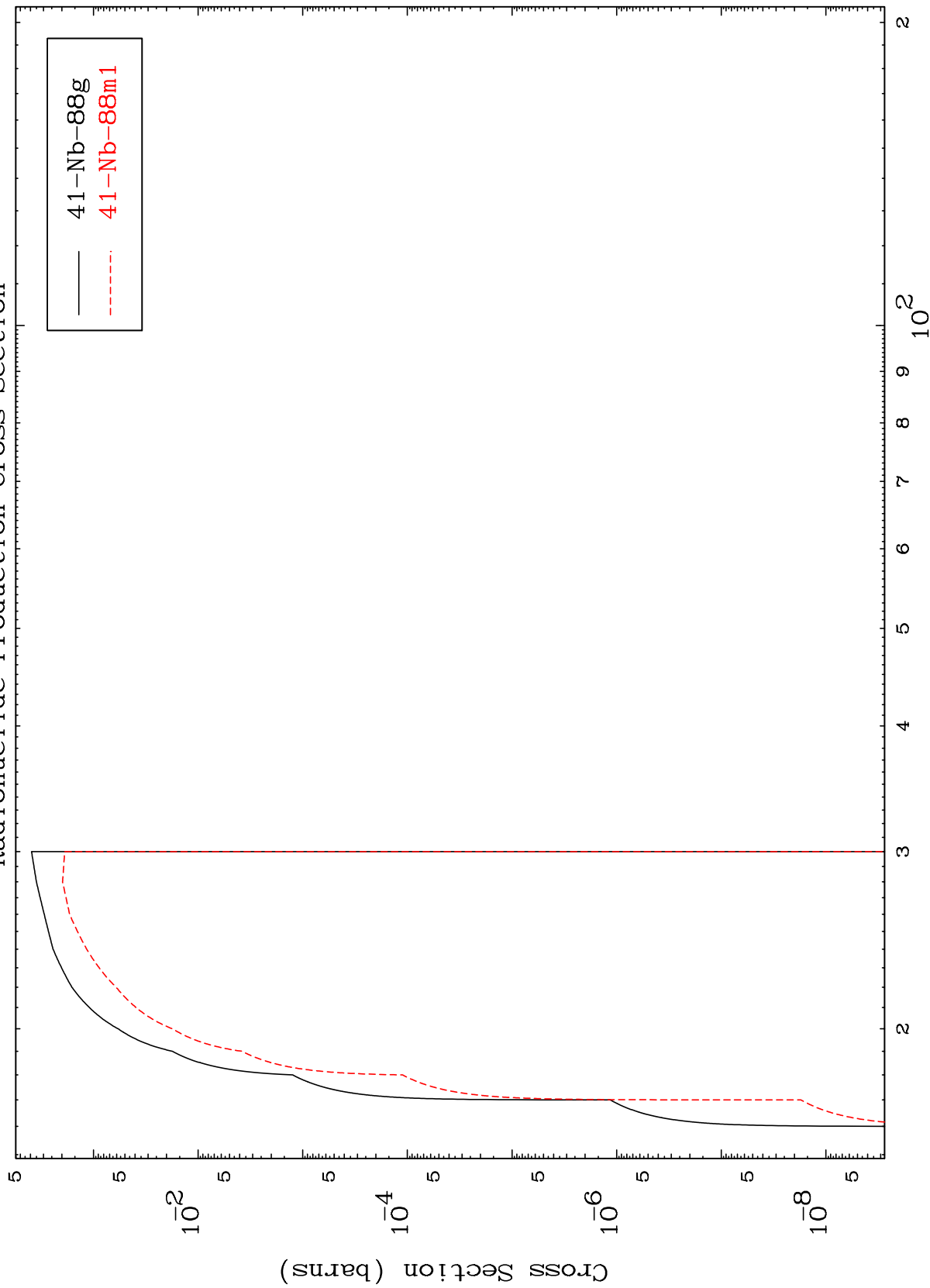
$(\alpha, n')$   $\alpha$

40-Zr-86

Radionuclide Production Cross Section



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

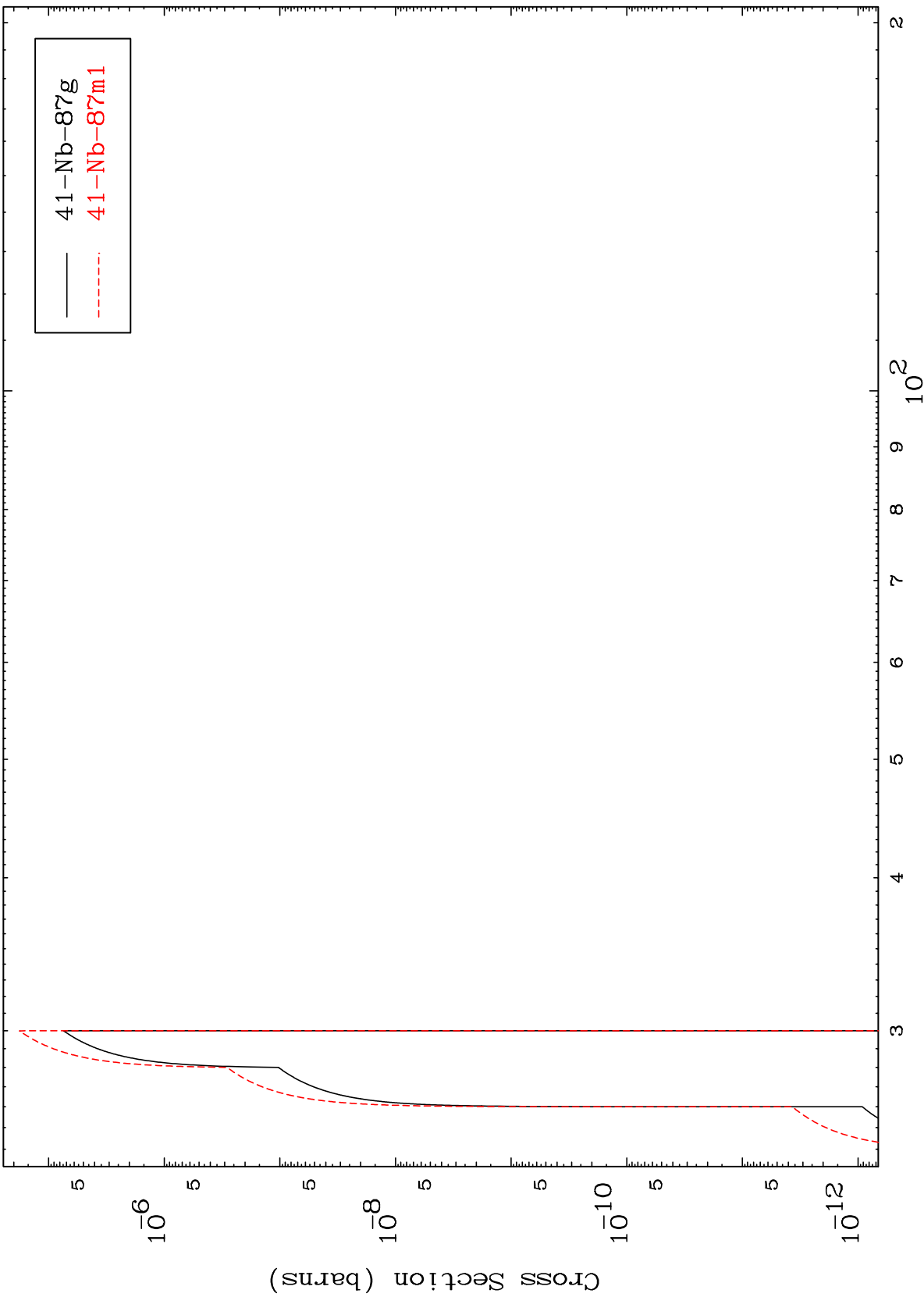


MAT 4013

( $\alpha, n'$ ) d

40-Zr-86

Radionuclide Production Cross Section



14

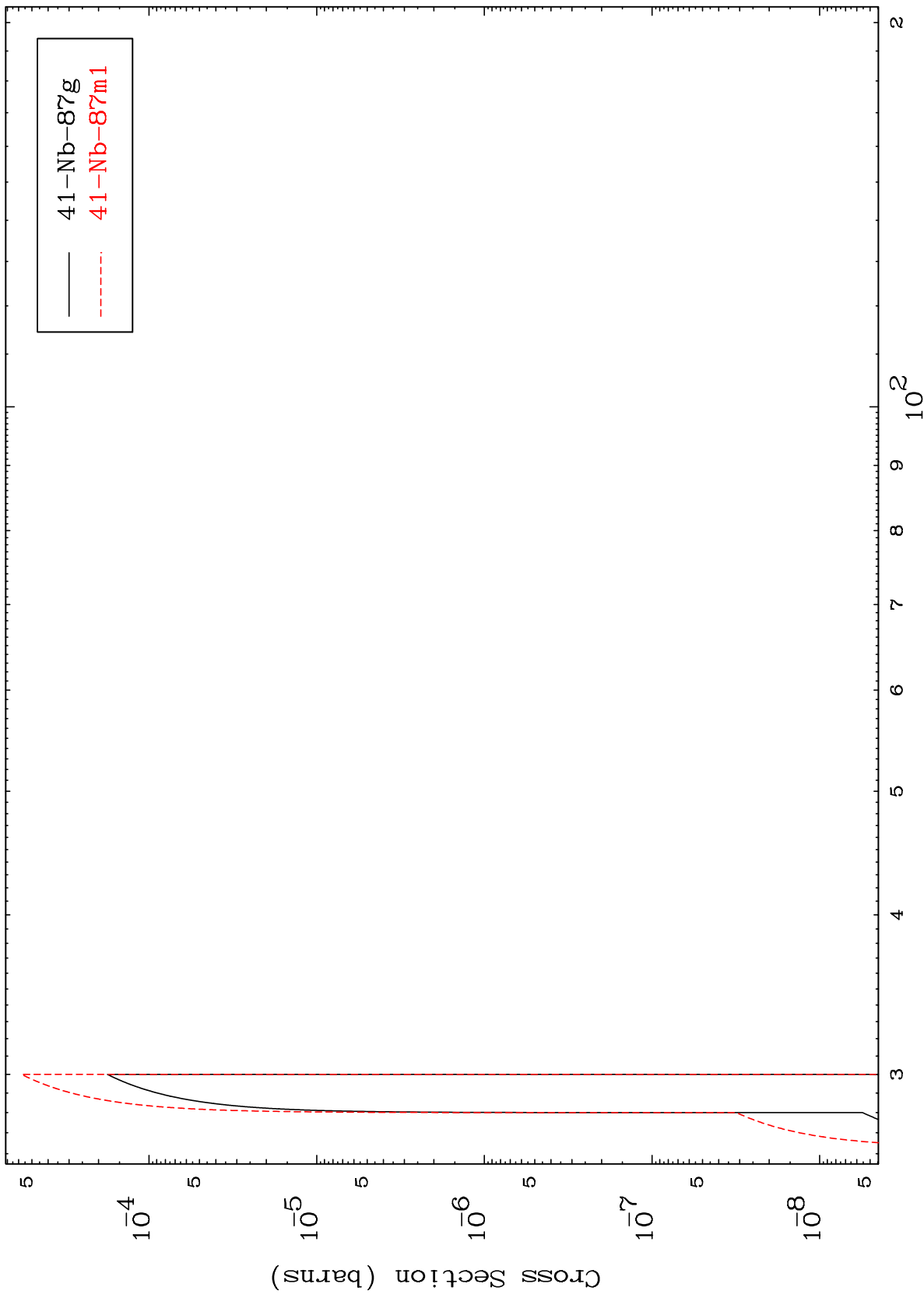
Incident Energy (MeV)

40-Zr-86

MAT 4013

40-Zr-86

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



40-Zr-86

Incident Energy (MeV)

15

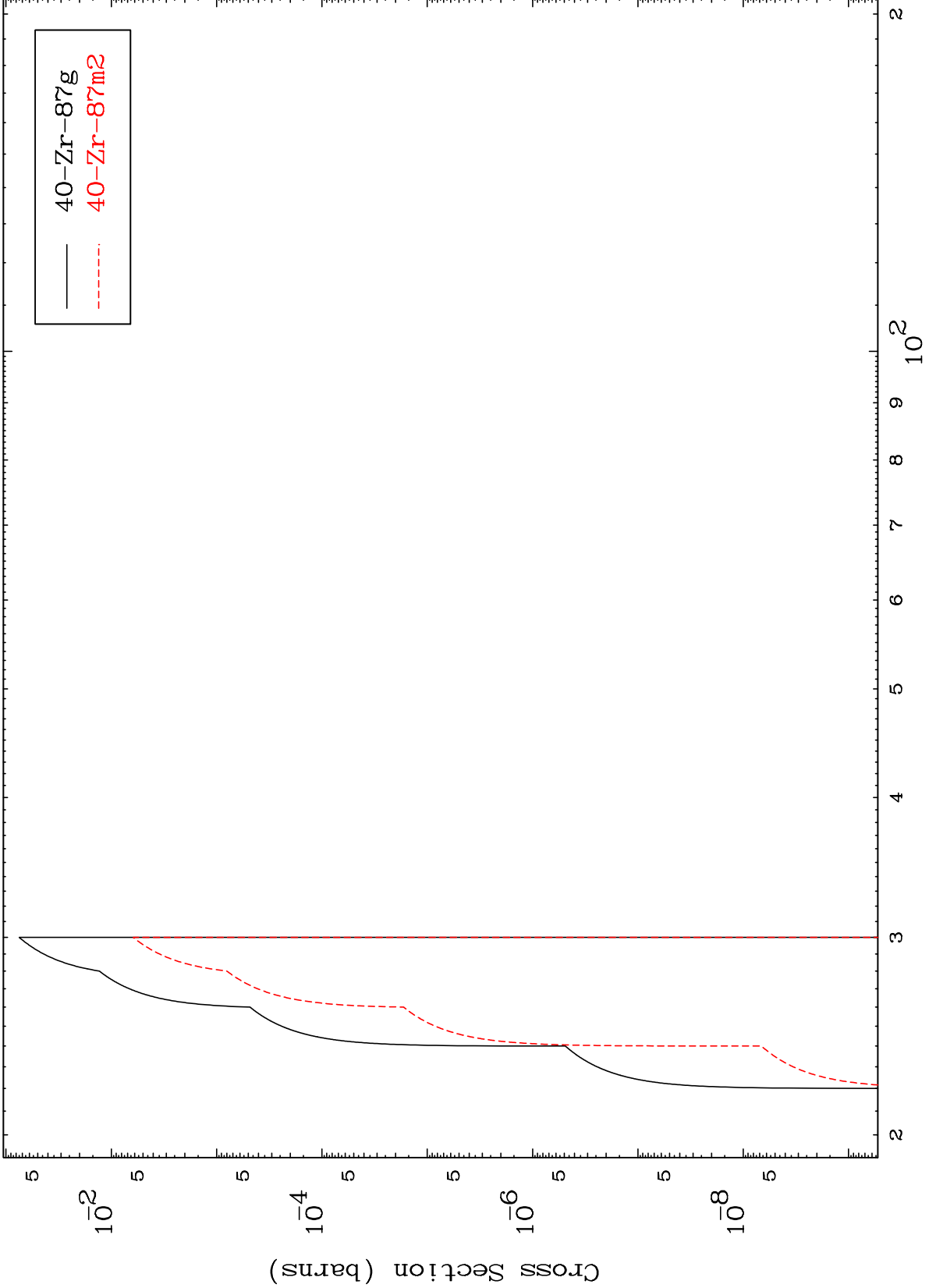


MAT 4013

( $\alpha, 2n$ ) p

40-Zr-86

Radionuclide Production Cross Section



16

Incident Energy (MeV)

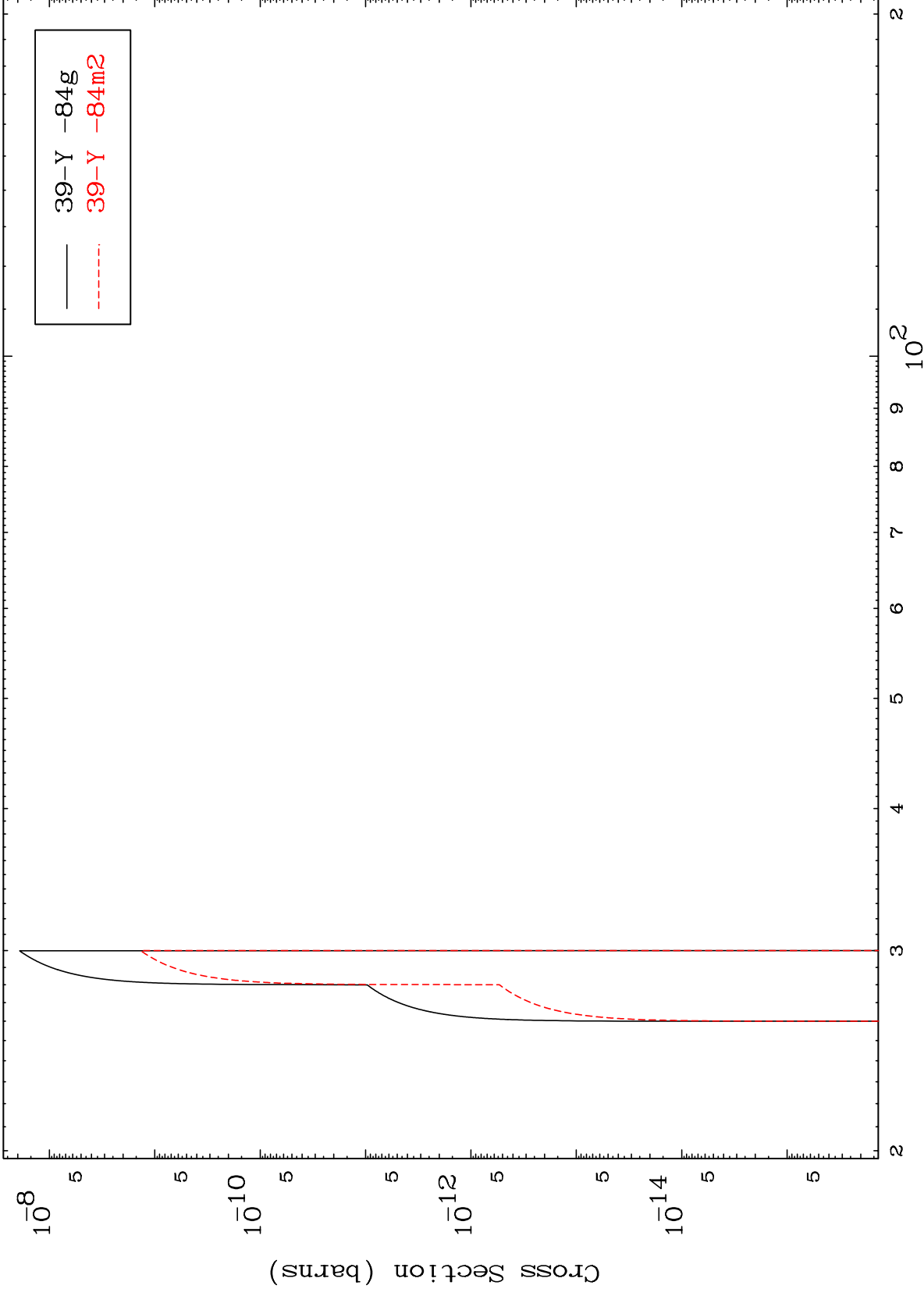
40-Zr-86

MAT 4013

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

40-Zr-86

Radionuclide Production Cross Section



17

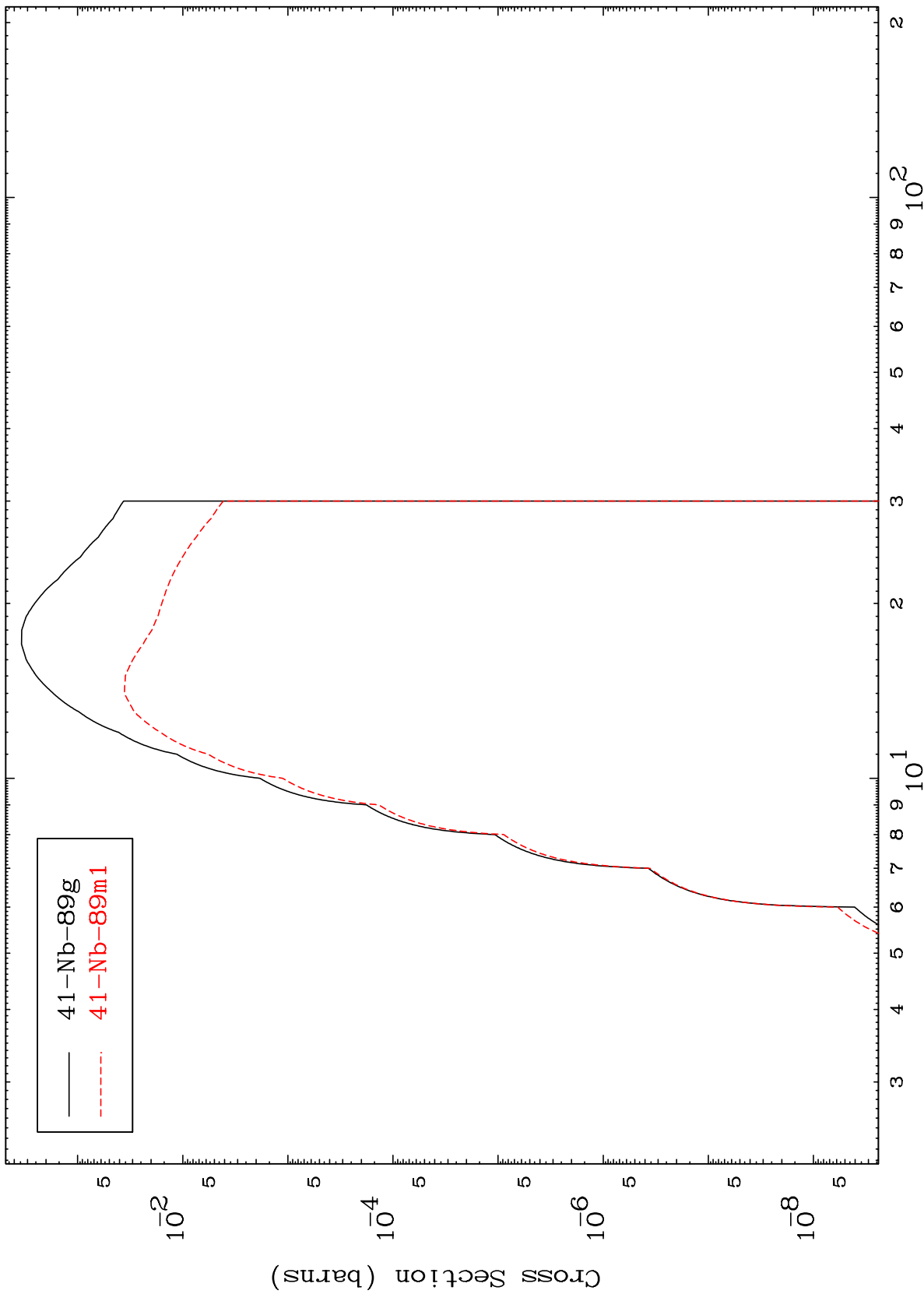
Incident Energy (MeV)

40-Zr-86

MAT 4013

40-Zr-86

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

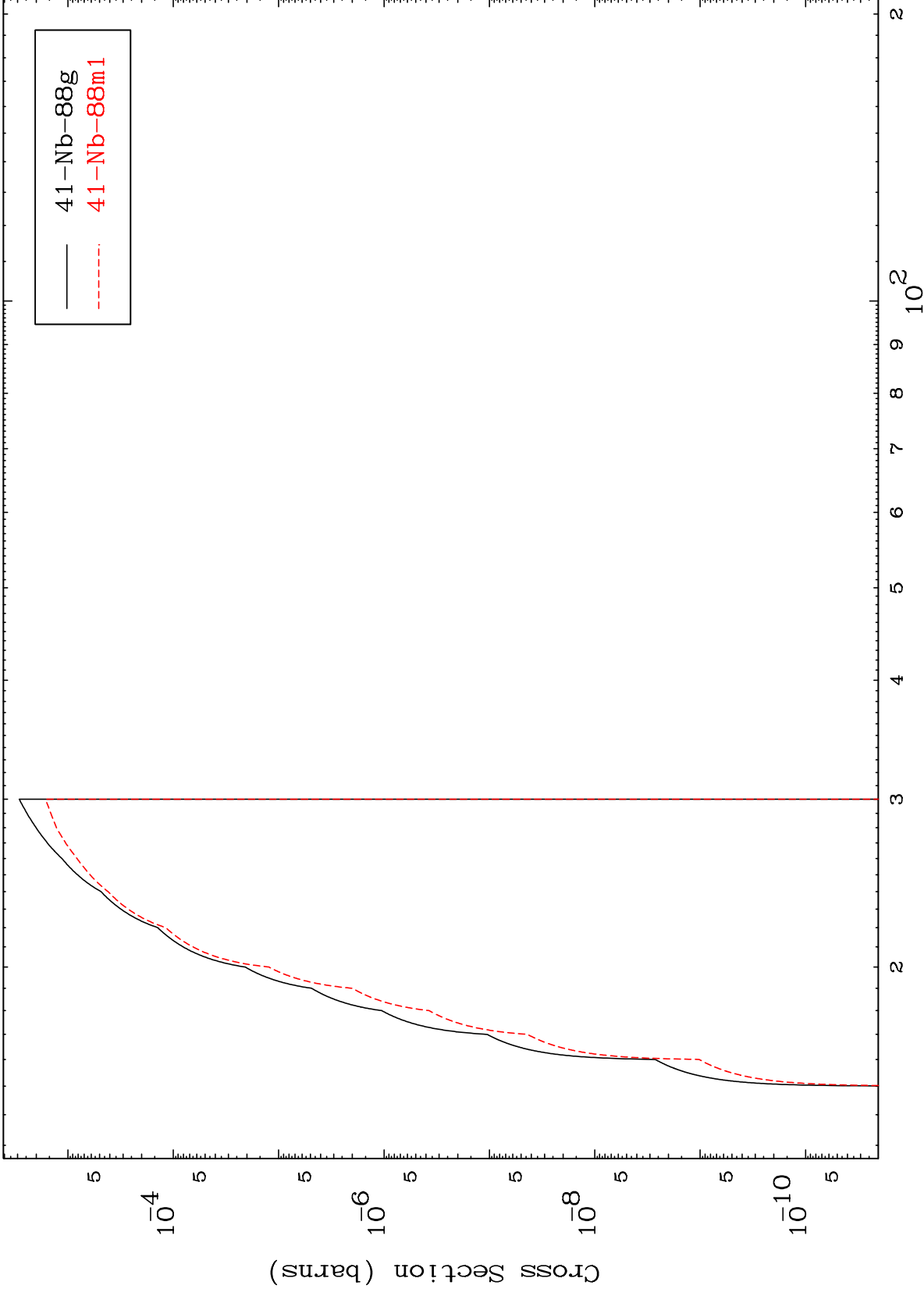


18

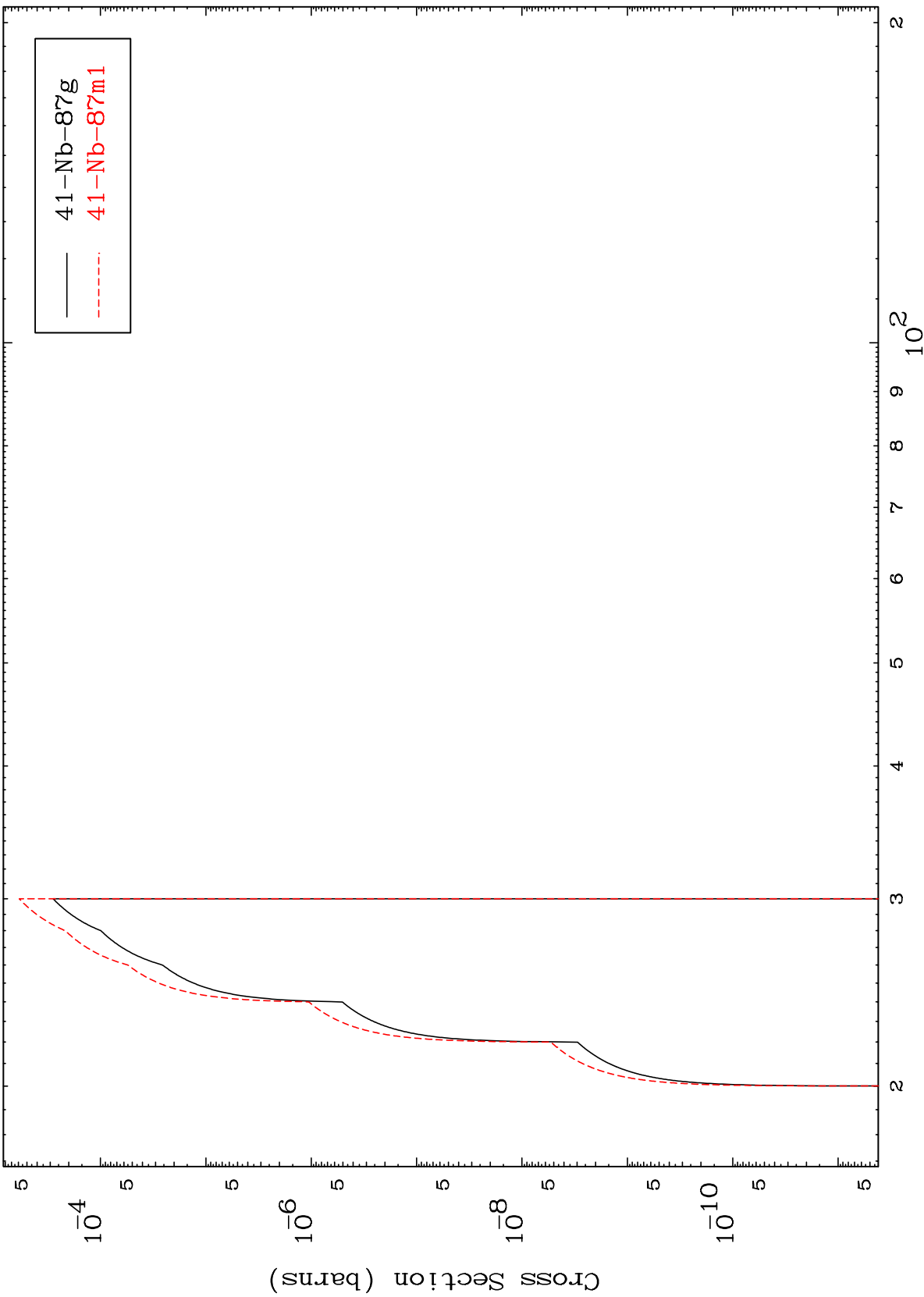
Incident Energy (MeV)

40-Zr-86

Radionuclide Production Cross Section



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

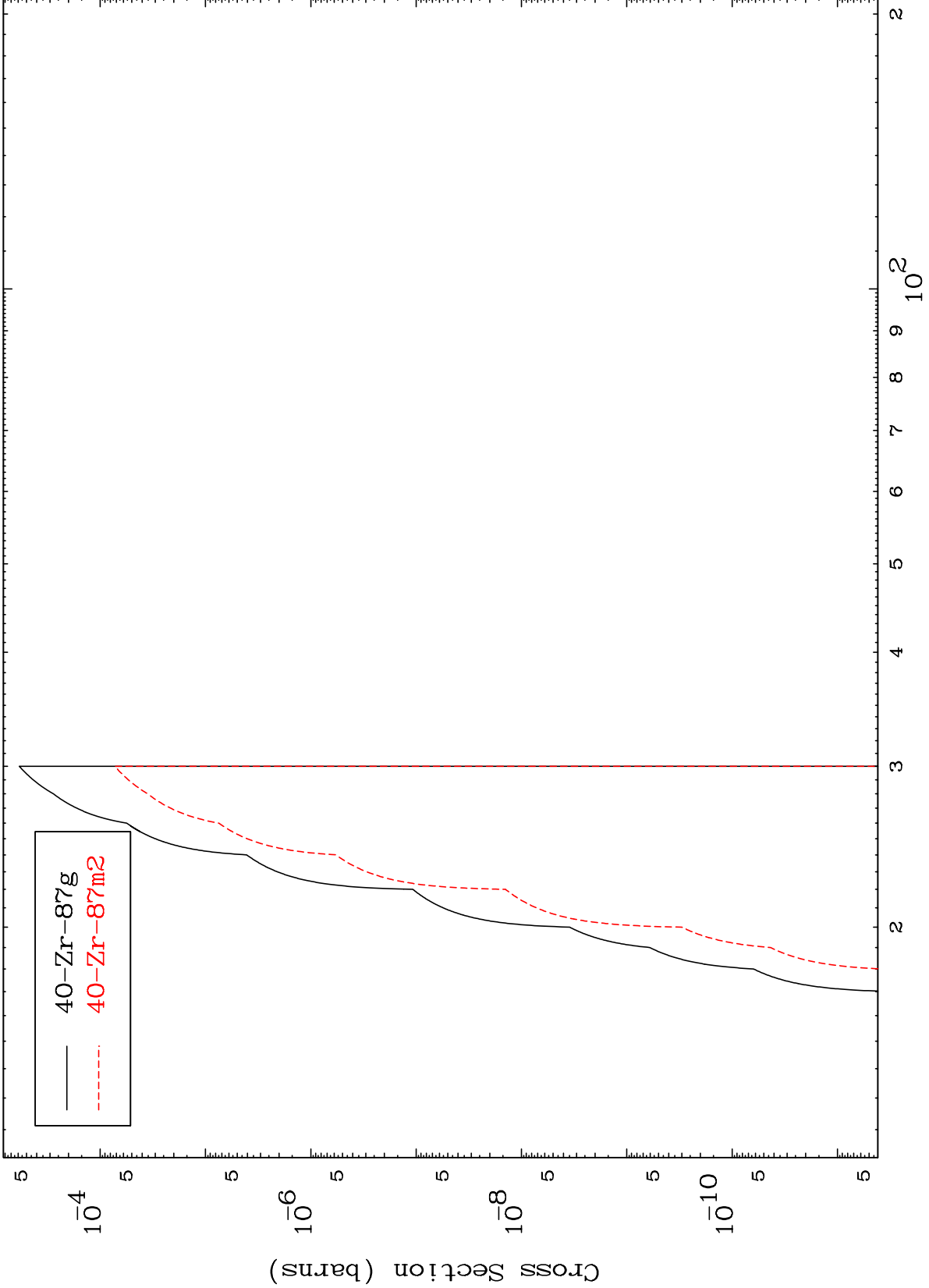


MAT 4013

( $\alpha$ ,He-3)

40-Zr-86

Radionuclide Production Cross Section

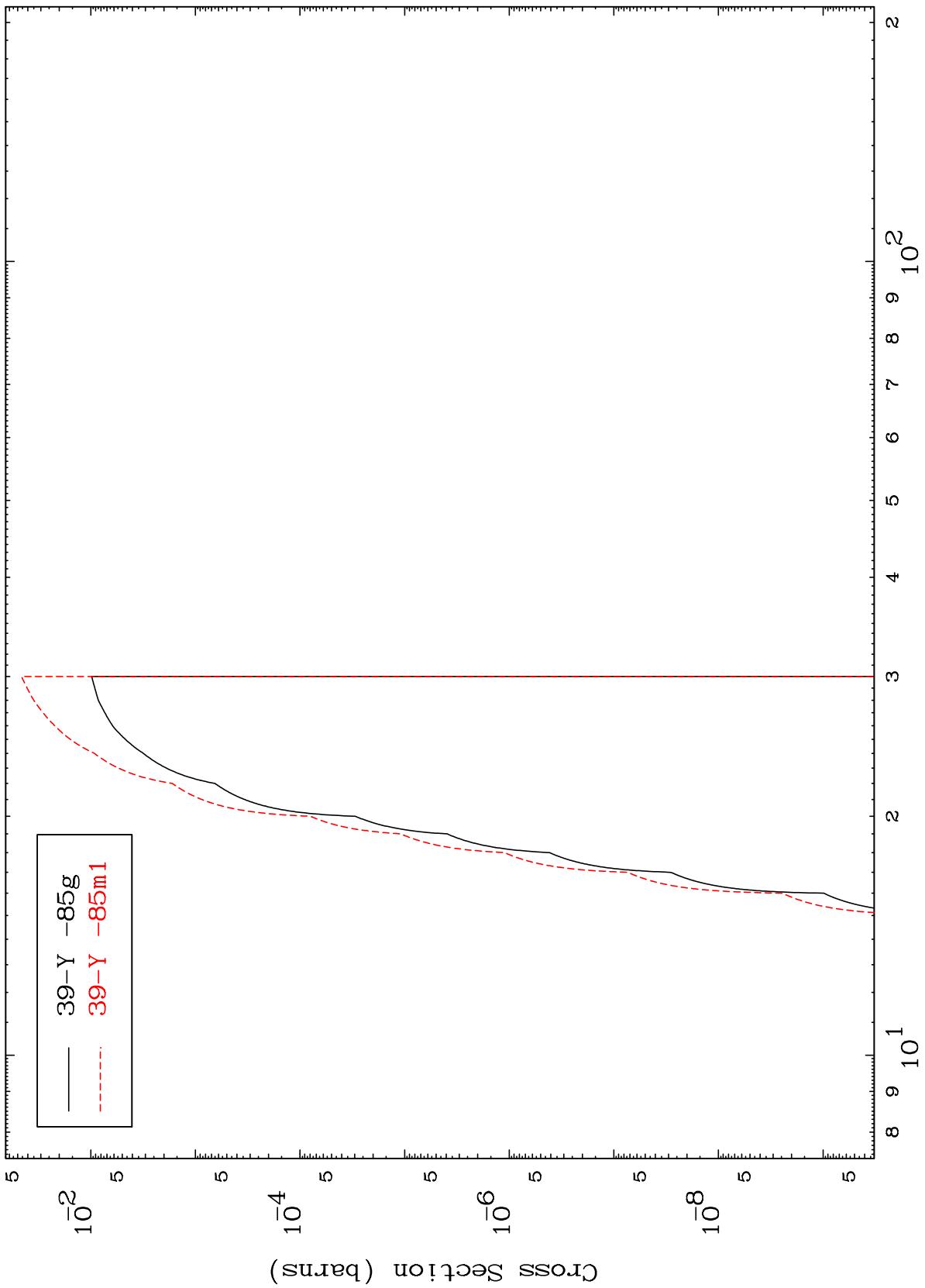


MAT 4013

( $\alpha, p$ )  $\alpha$

40-Zr-86

Radionuclide Production Cross Section



22

Incident Energy (MeV)

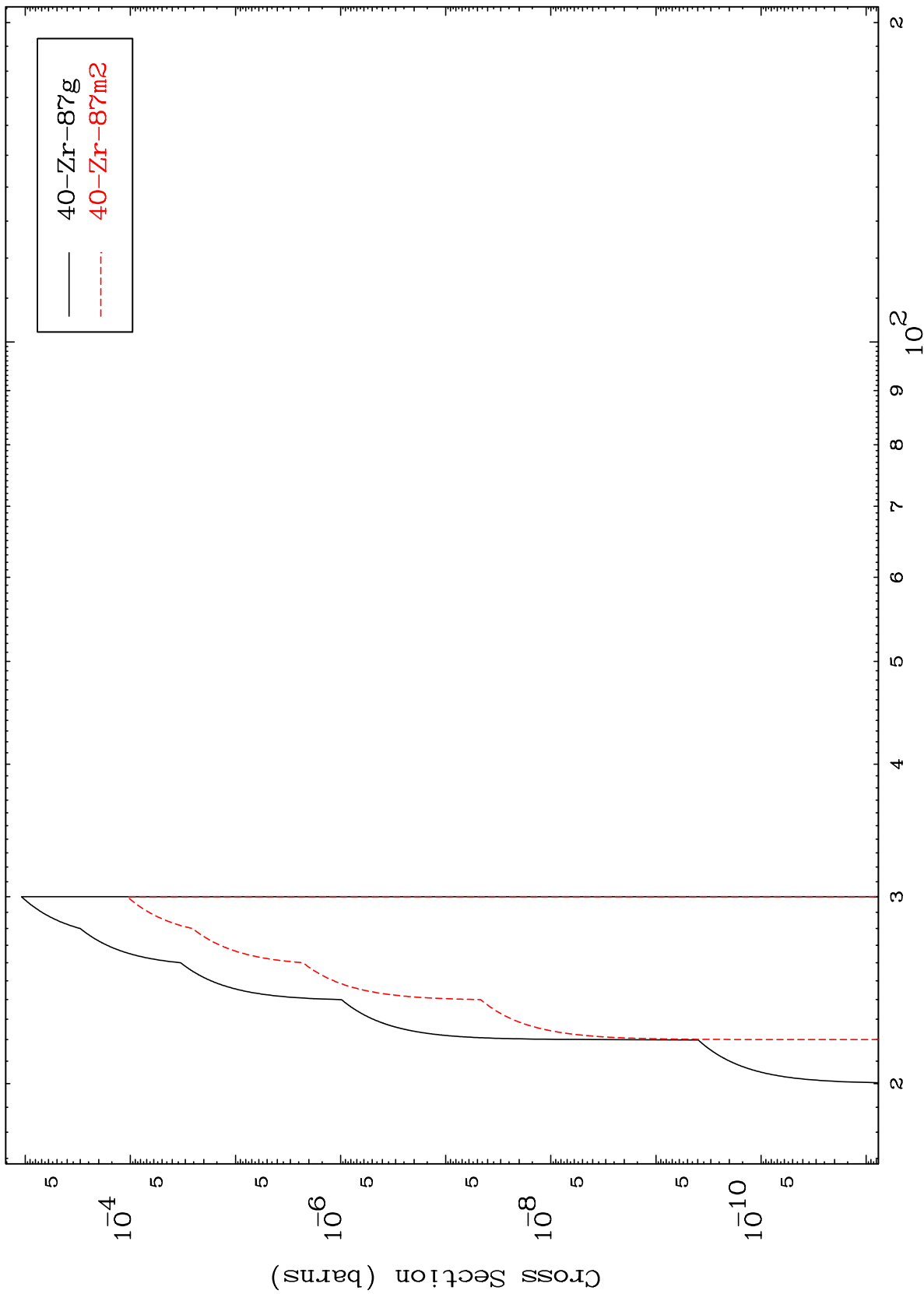
40-Zr-86

MAT 4013

( $\alpha, p$ ) d

40-Zr-86

Radionuclide Production Cross Section



23

40-Zr-86

Incident Energy (MeV)