

Program EVALPLOT  
(Version 2018-1)

by

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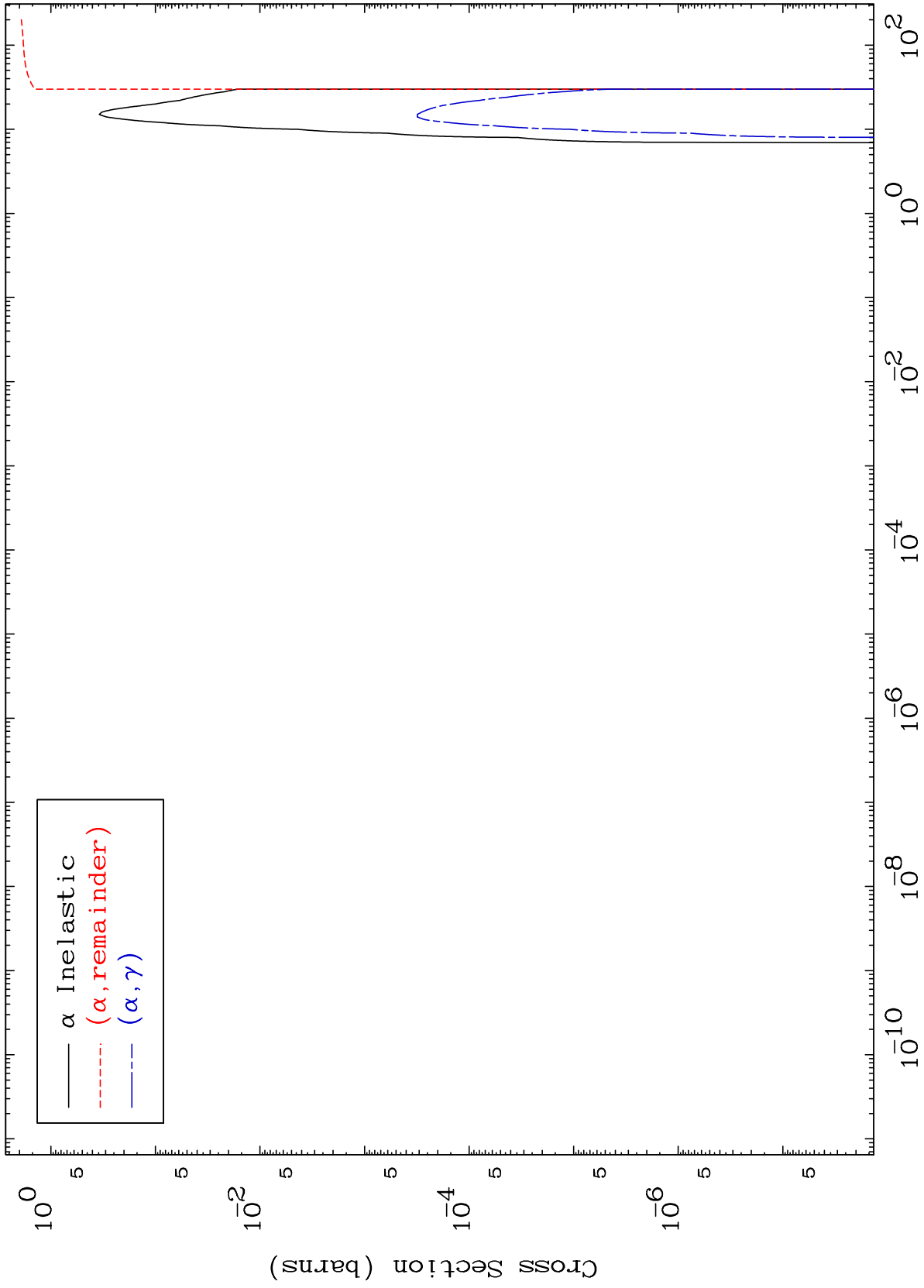
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4022

0 Kelvin  $\alpha$  Major  
Cross Sections

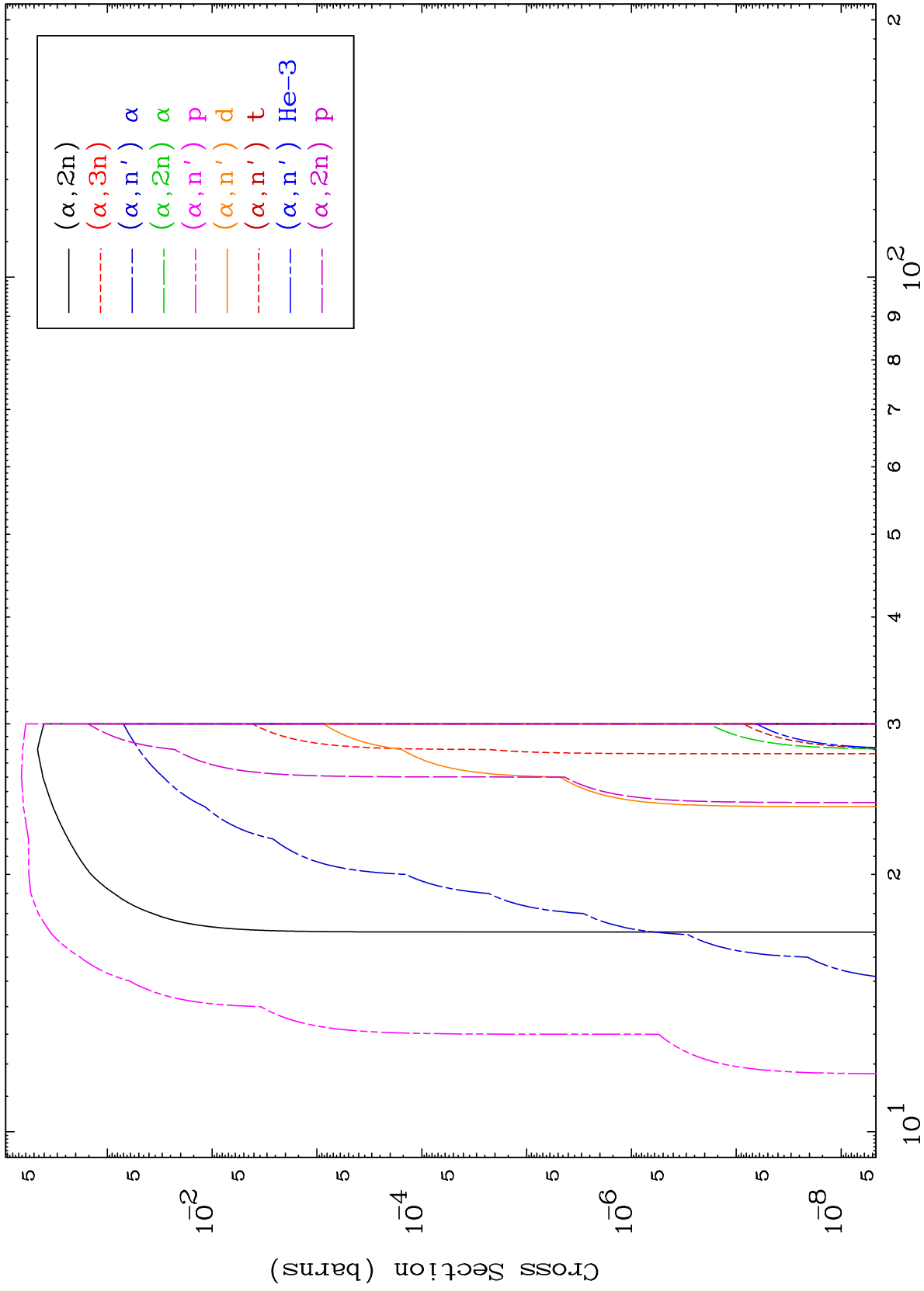
40-Zr-89



MAT 4022

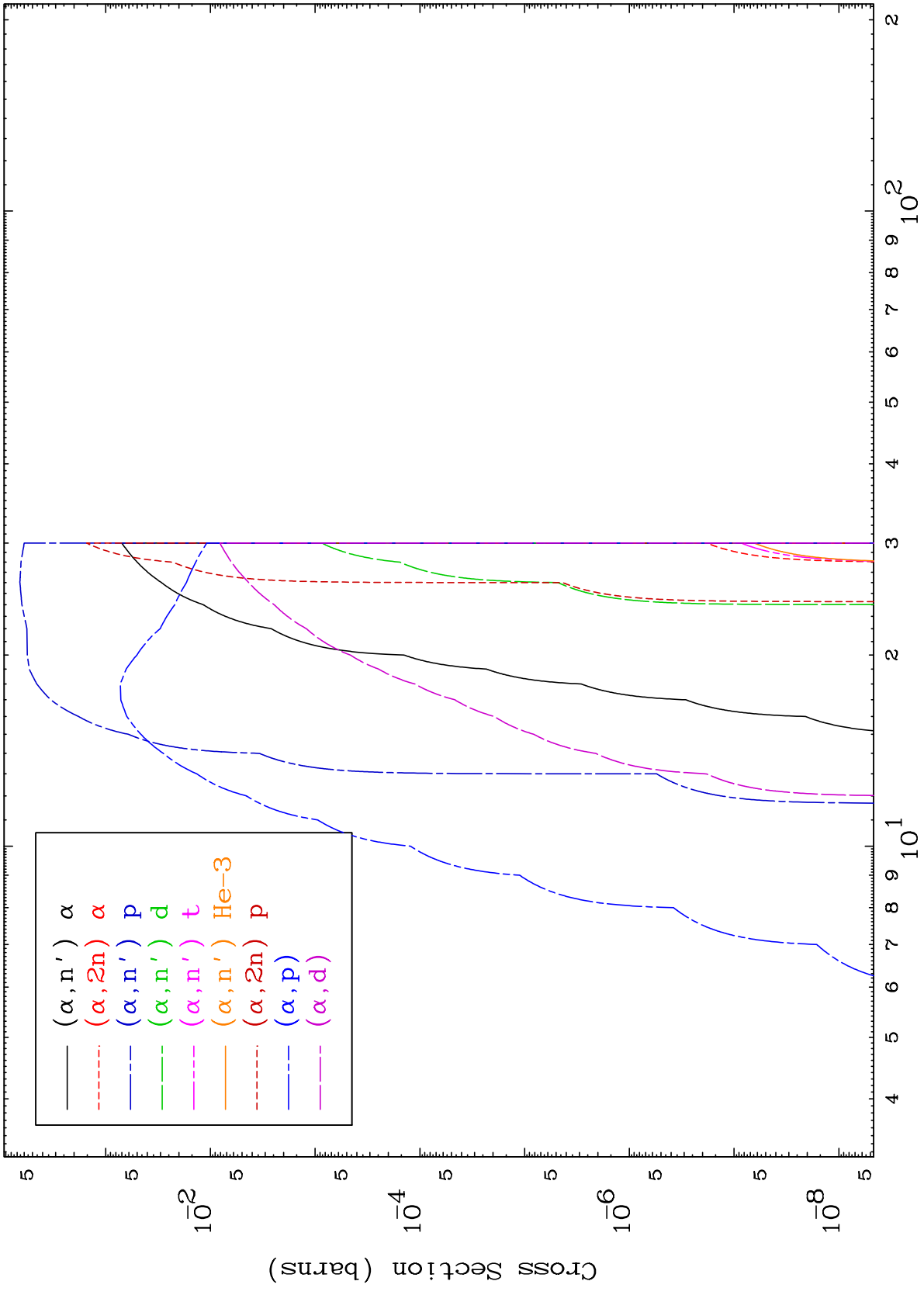
$\alpha$  Neutron Production  
0 Kelvin Cross Sections

40-Zr-89



Incident Energy (MeV)

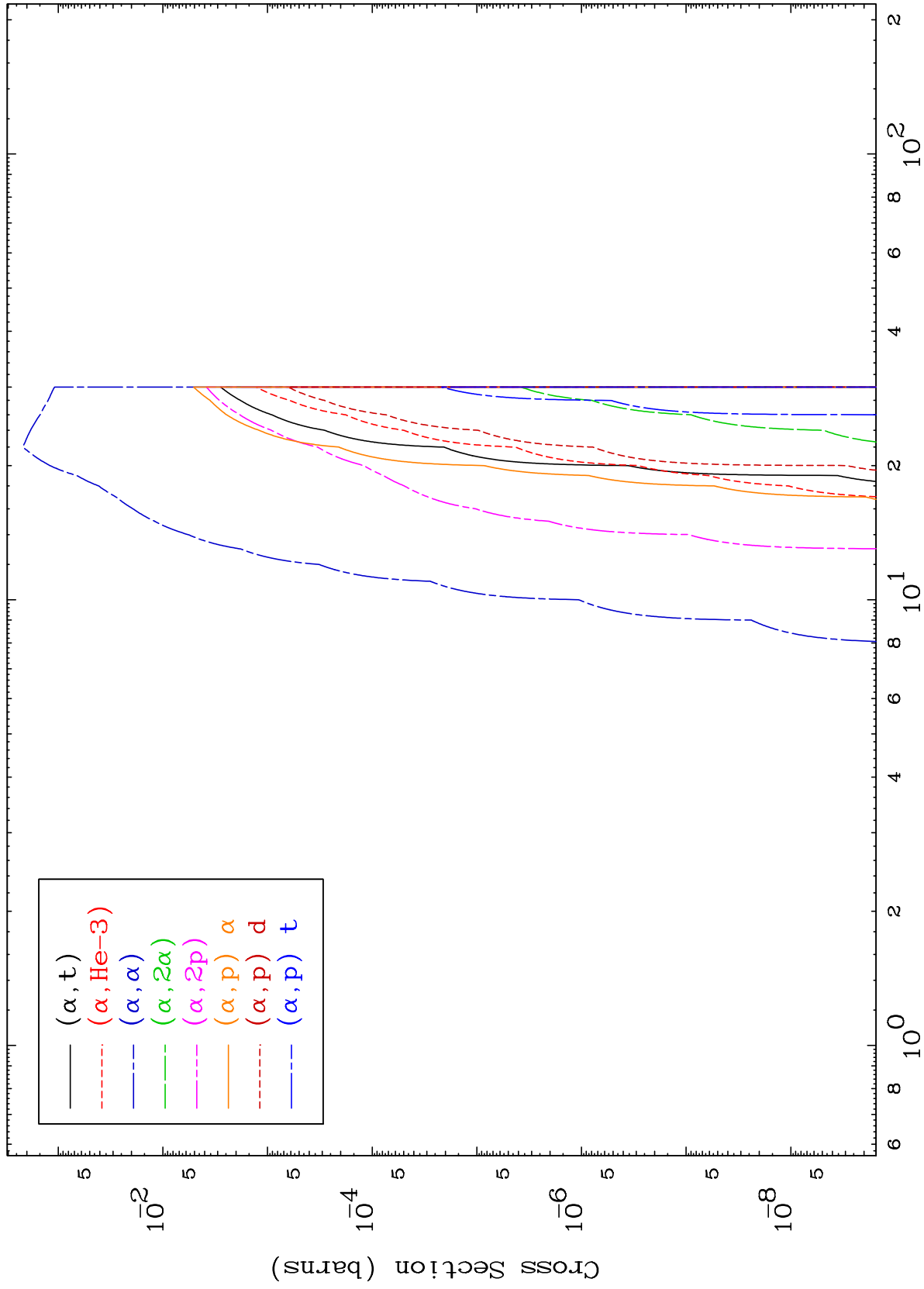
40-Zr-89



MAT 4022

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

40-Zr-89



4

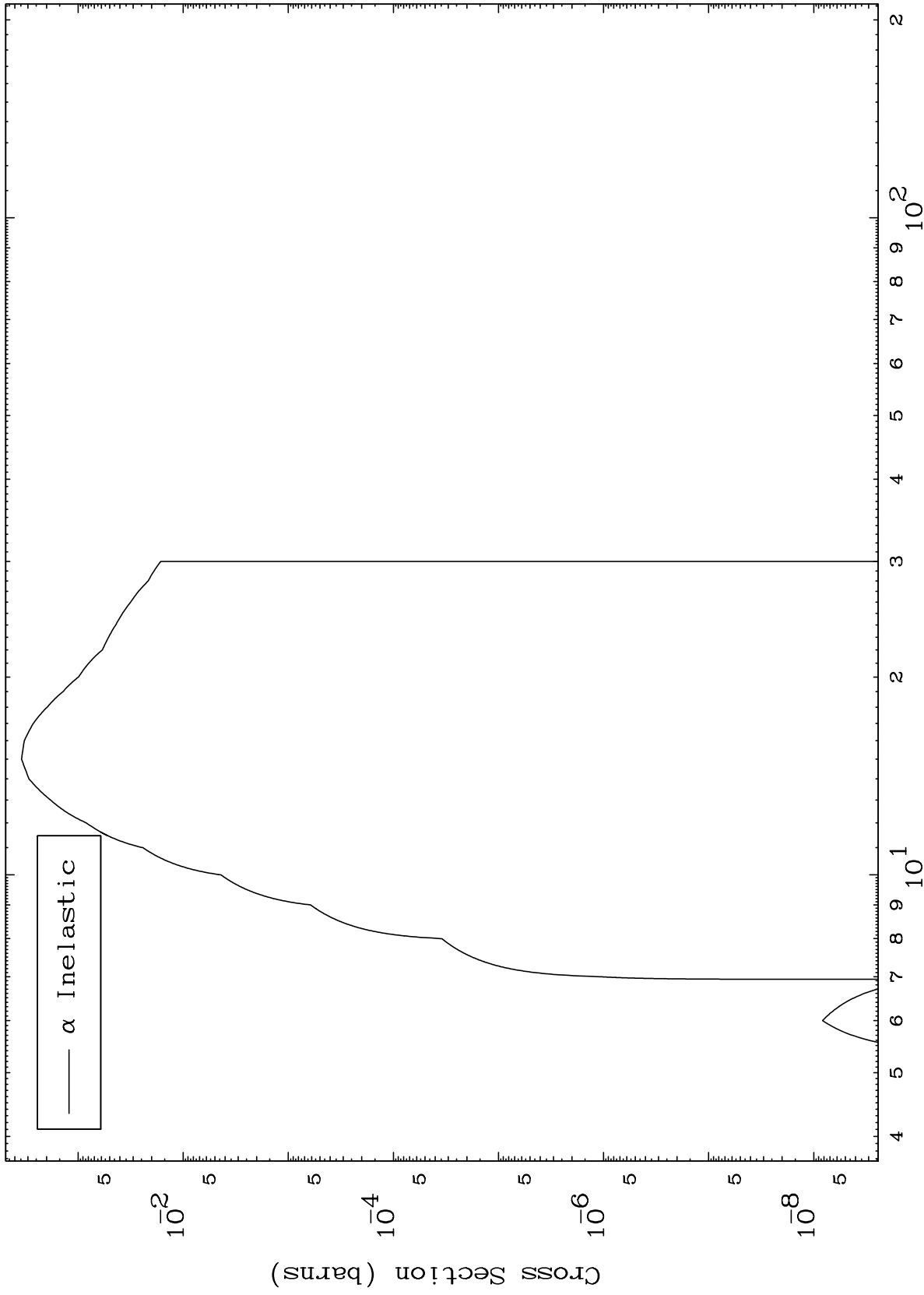
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

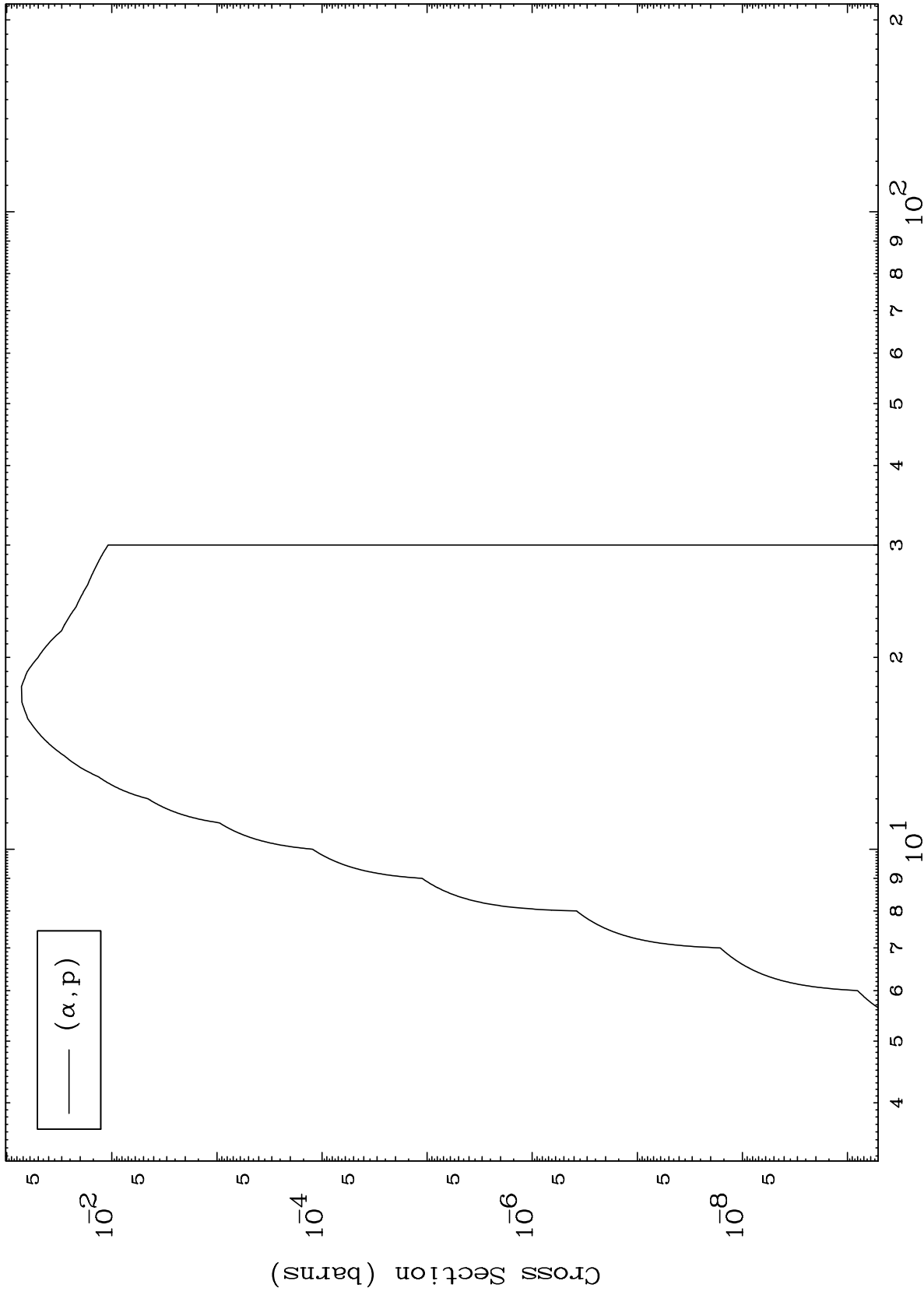
40-Zr-89



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Incident Energy (MeV)

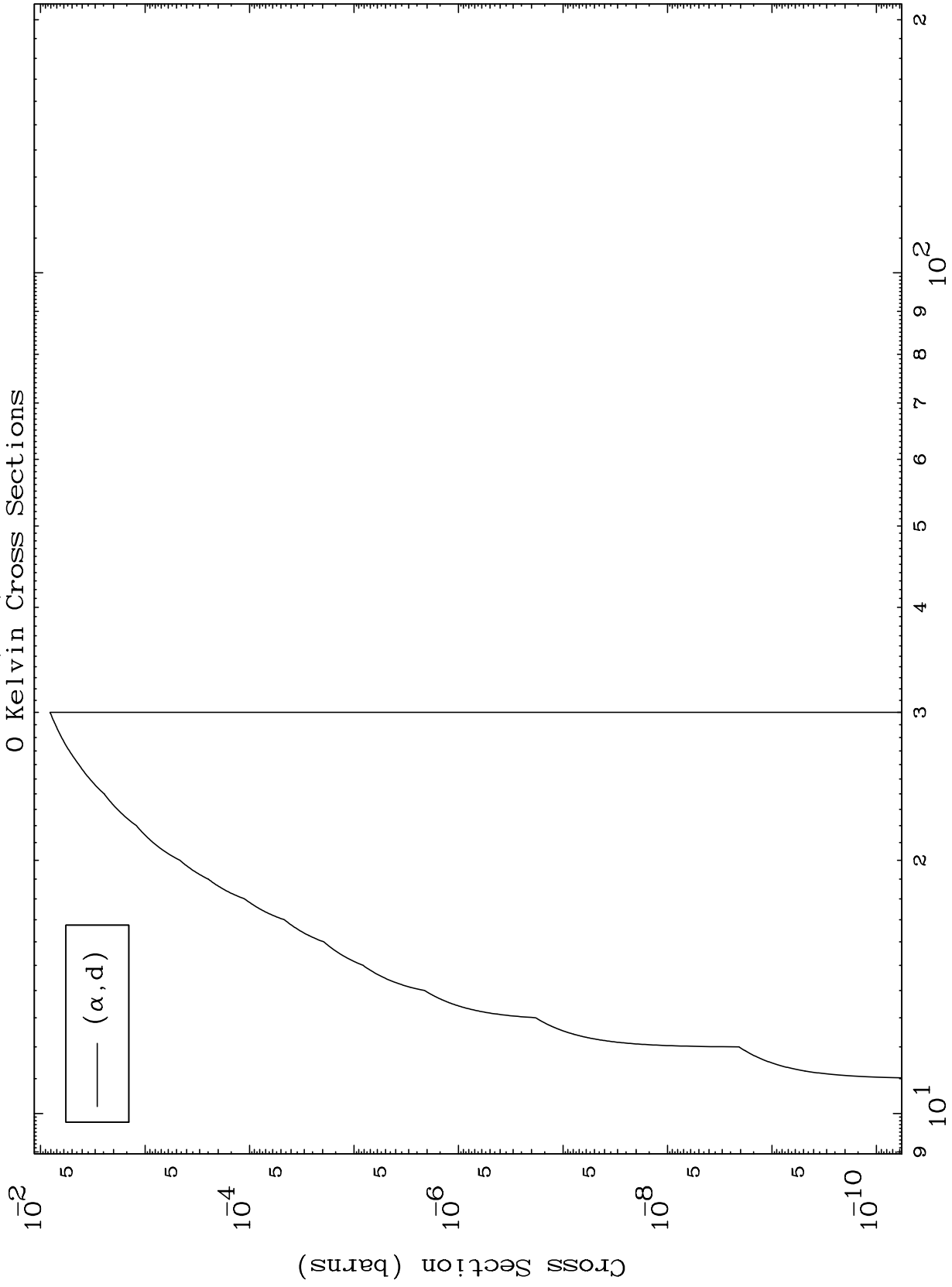
40-Zr-89



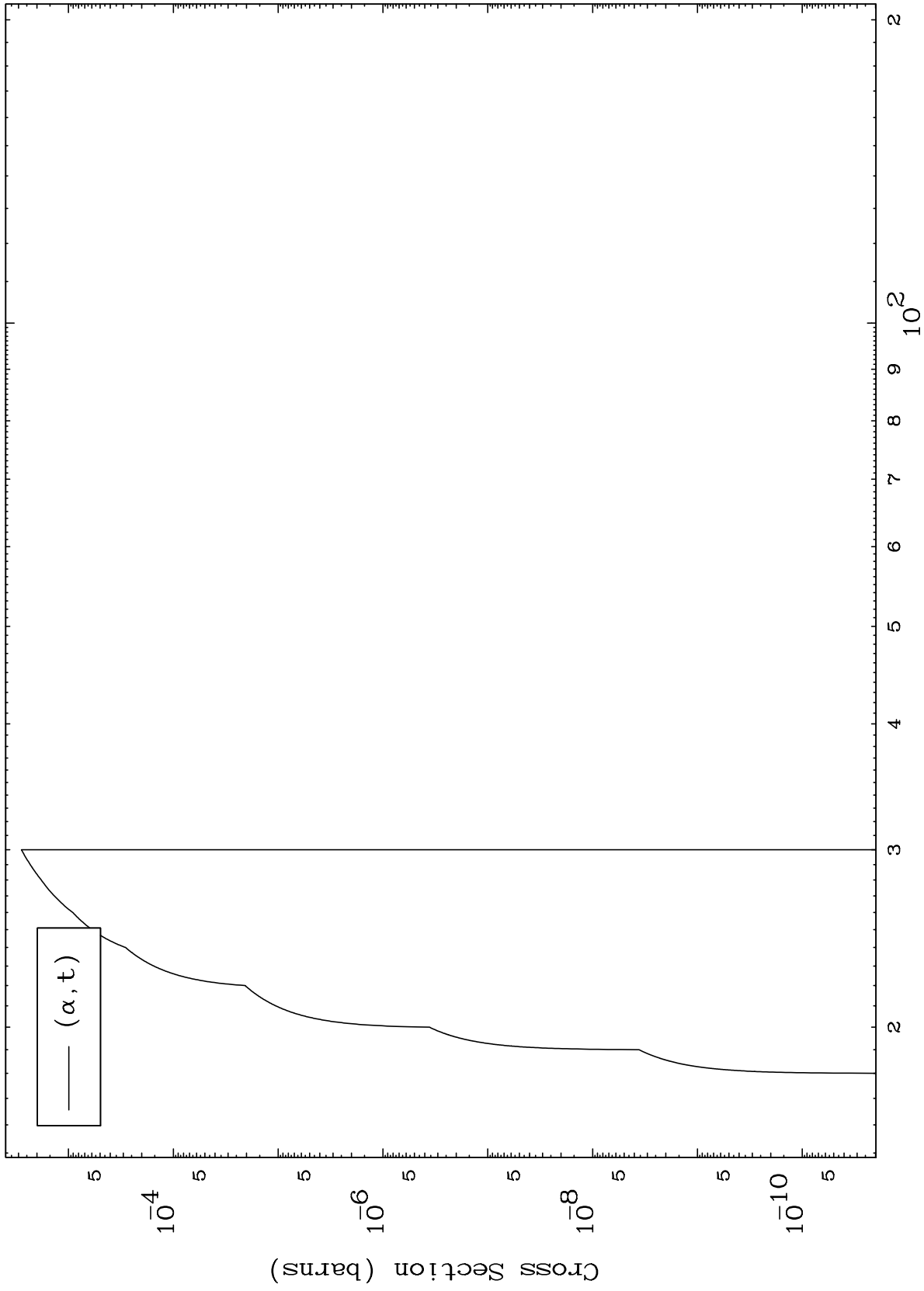
MAT 4022

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

40-Zr-89



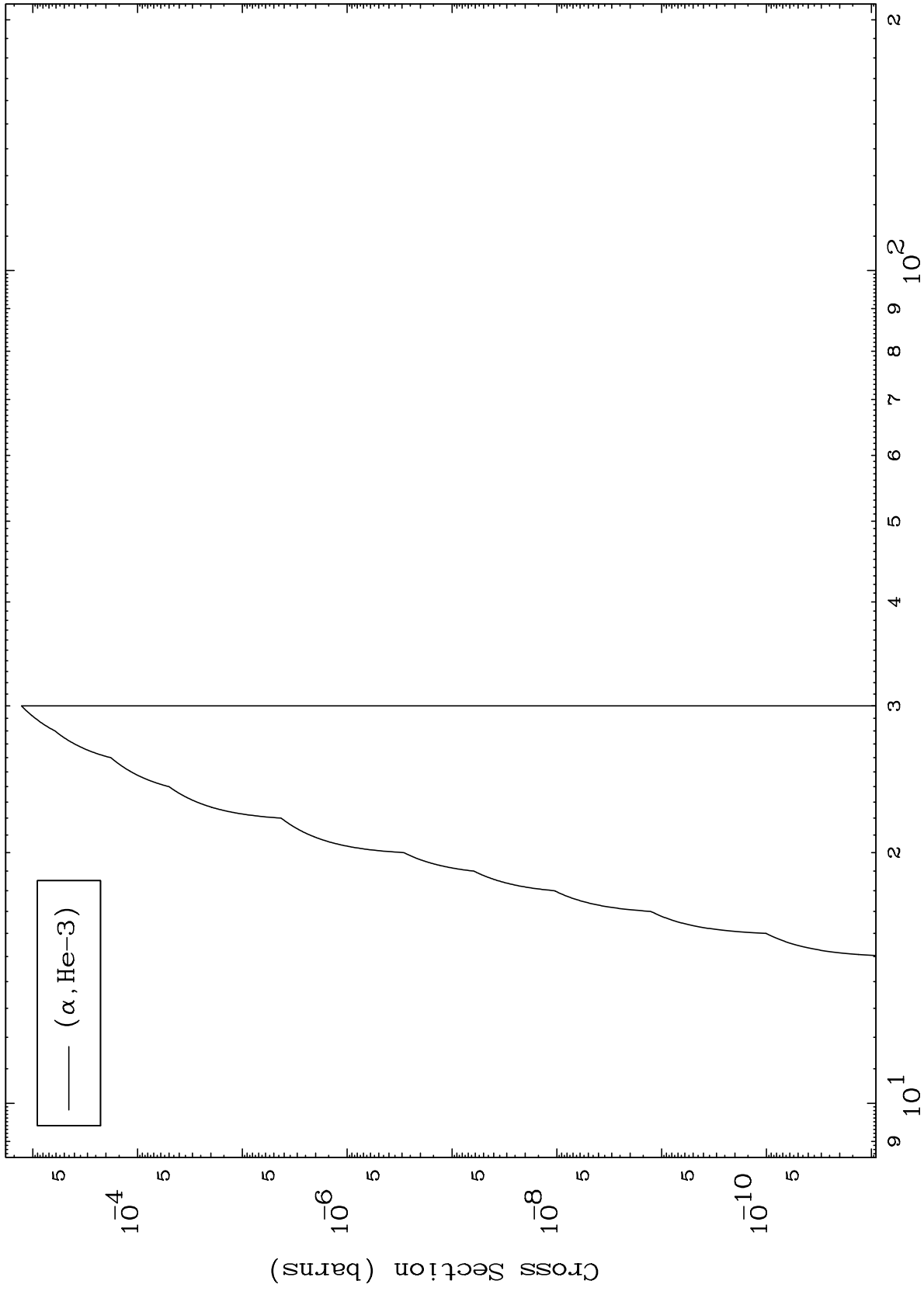




MAT 4022

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

40-Zr-89



9

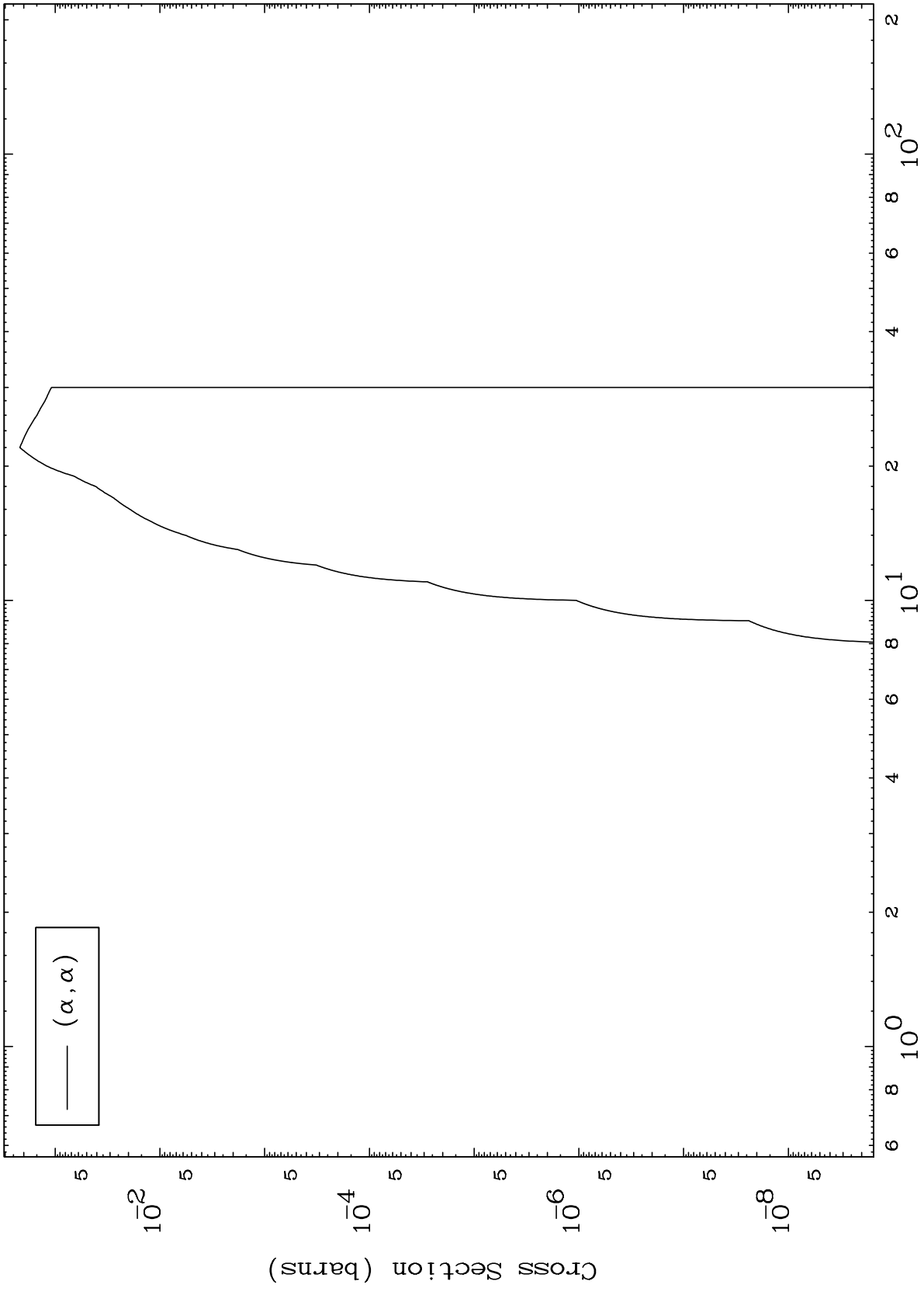
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



10

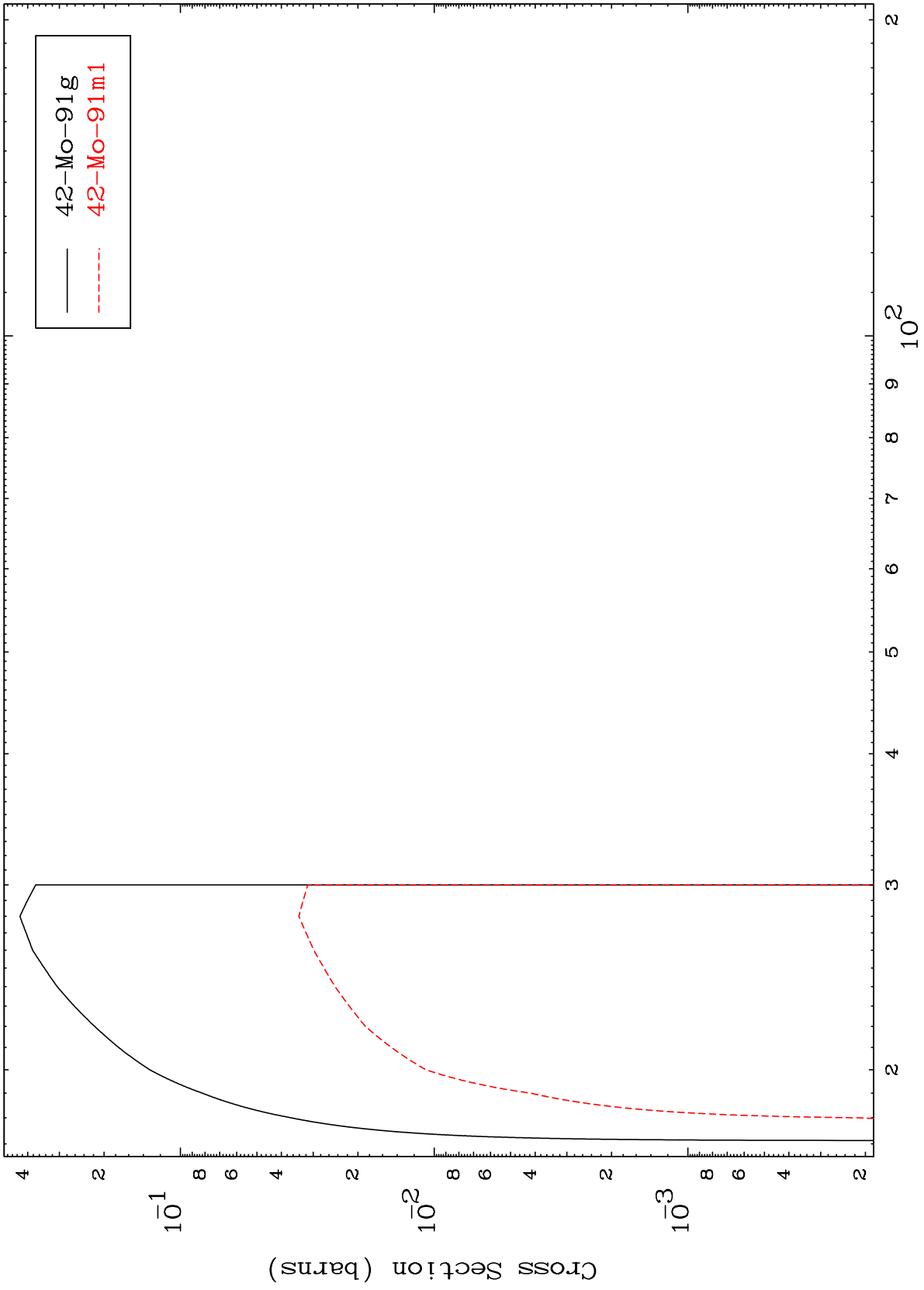
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

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



11

Incident Energy (MeV)

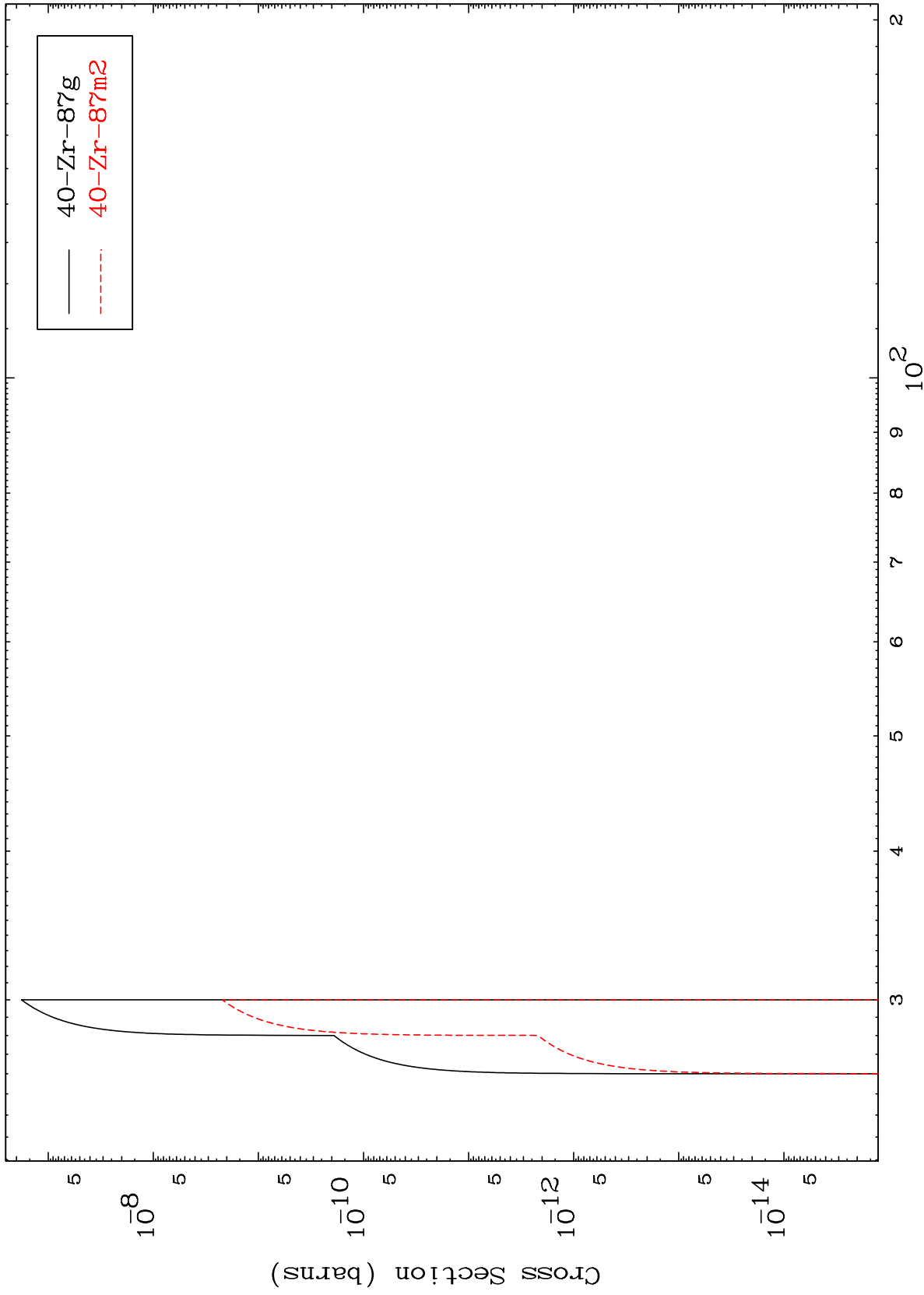
40-Zr-89

MAT 4022

( $\alpha, 2n$ )  $\alpha$

40-Zr-89

Radionuclide Production Cross Section



12

Incident Energy (MeV)

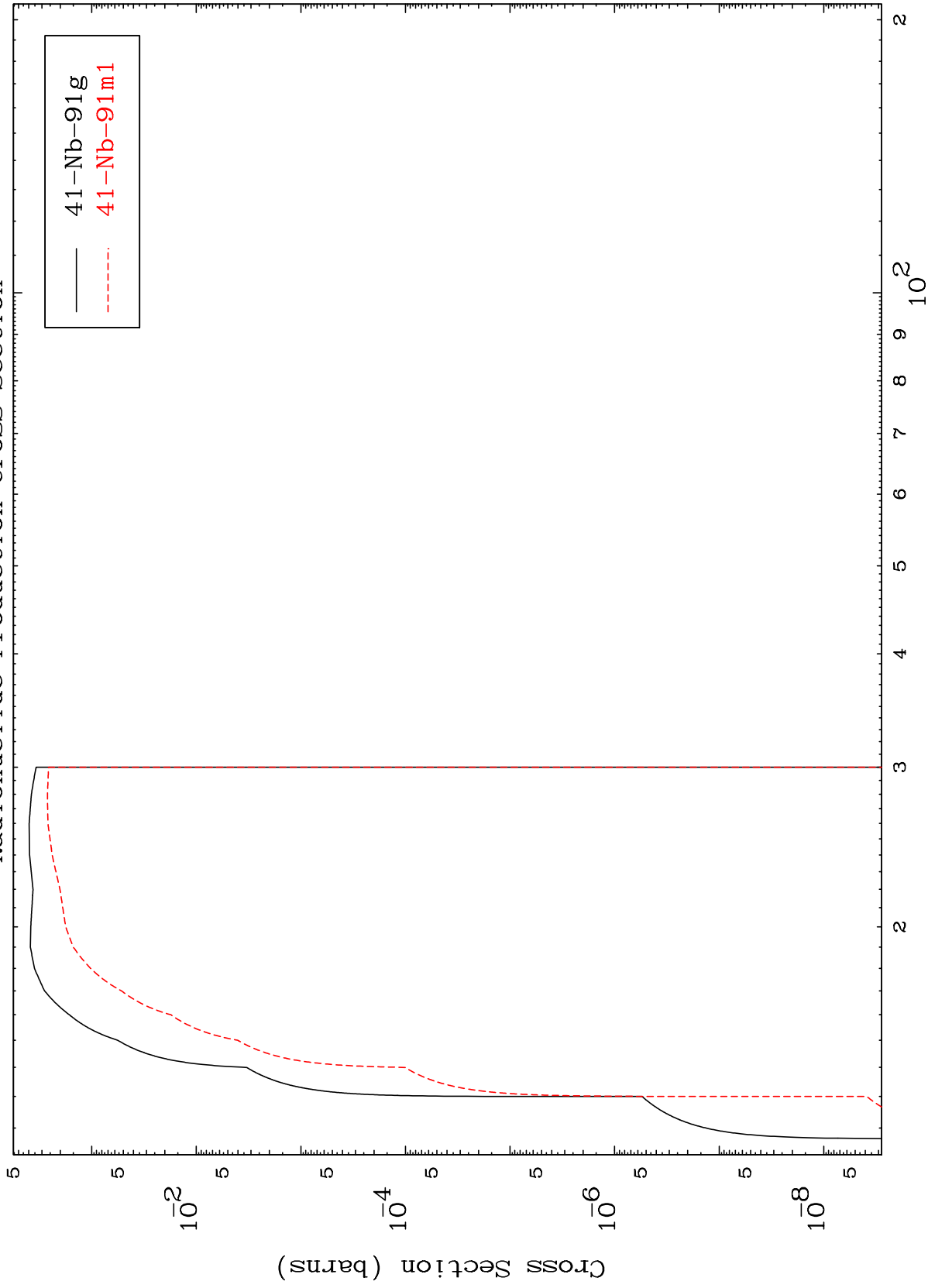
40-Zr-89

MAT 4022

( $\alpha, n'$ ) p

40-Zr-89

Radionuclide Production Cross Section



13

Incident Energy (MeV)

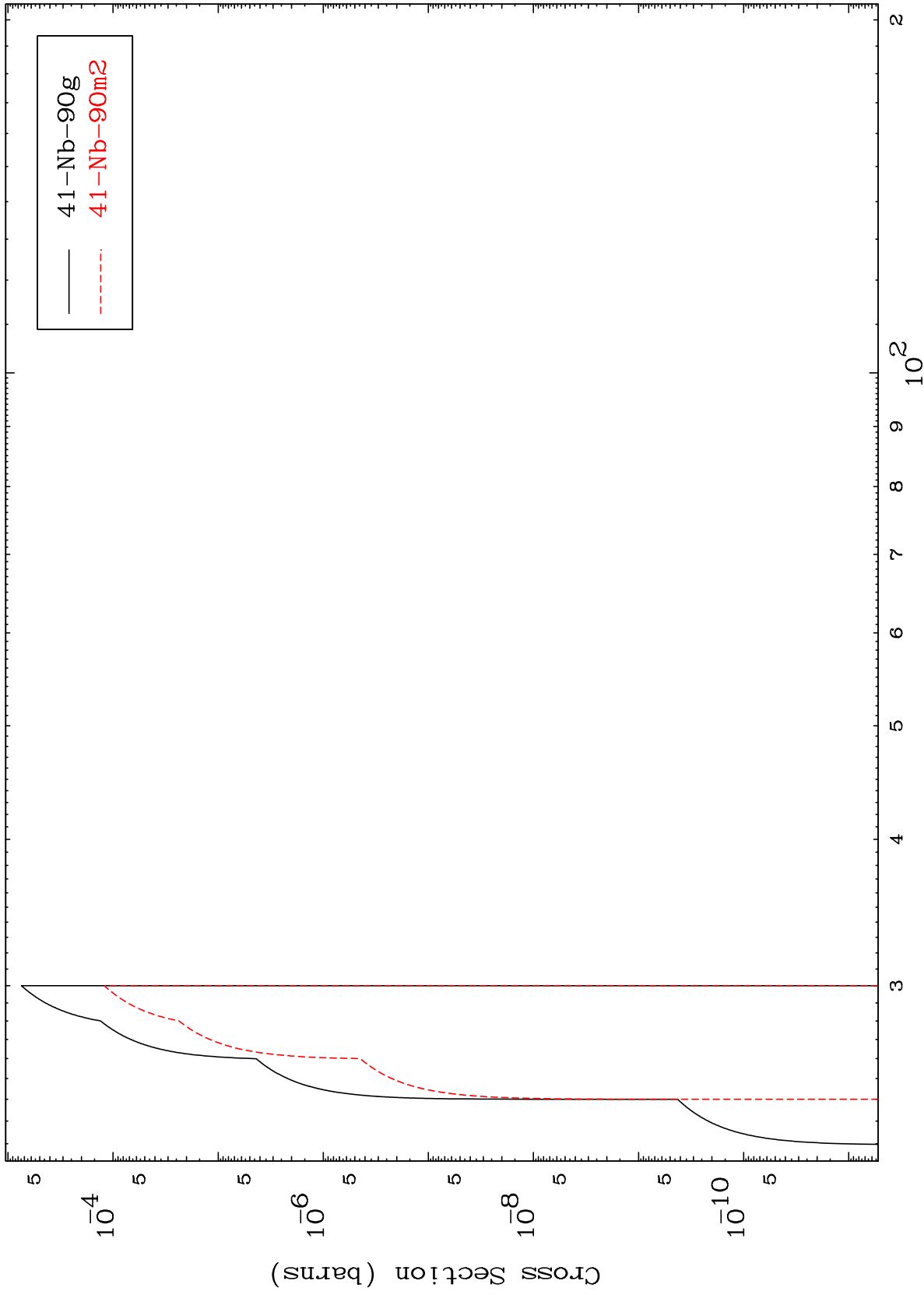
40-Zr-89

MAT 4022

( $\alpha, n'$ ) d

40-Zr-89

Radionuclide Production Cross Section



14

Incident Energy (MeV)

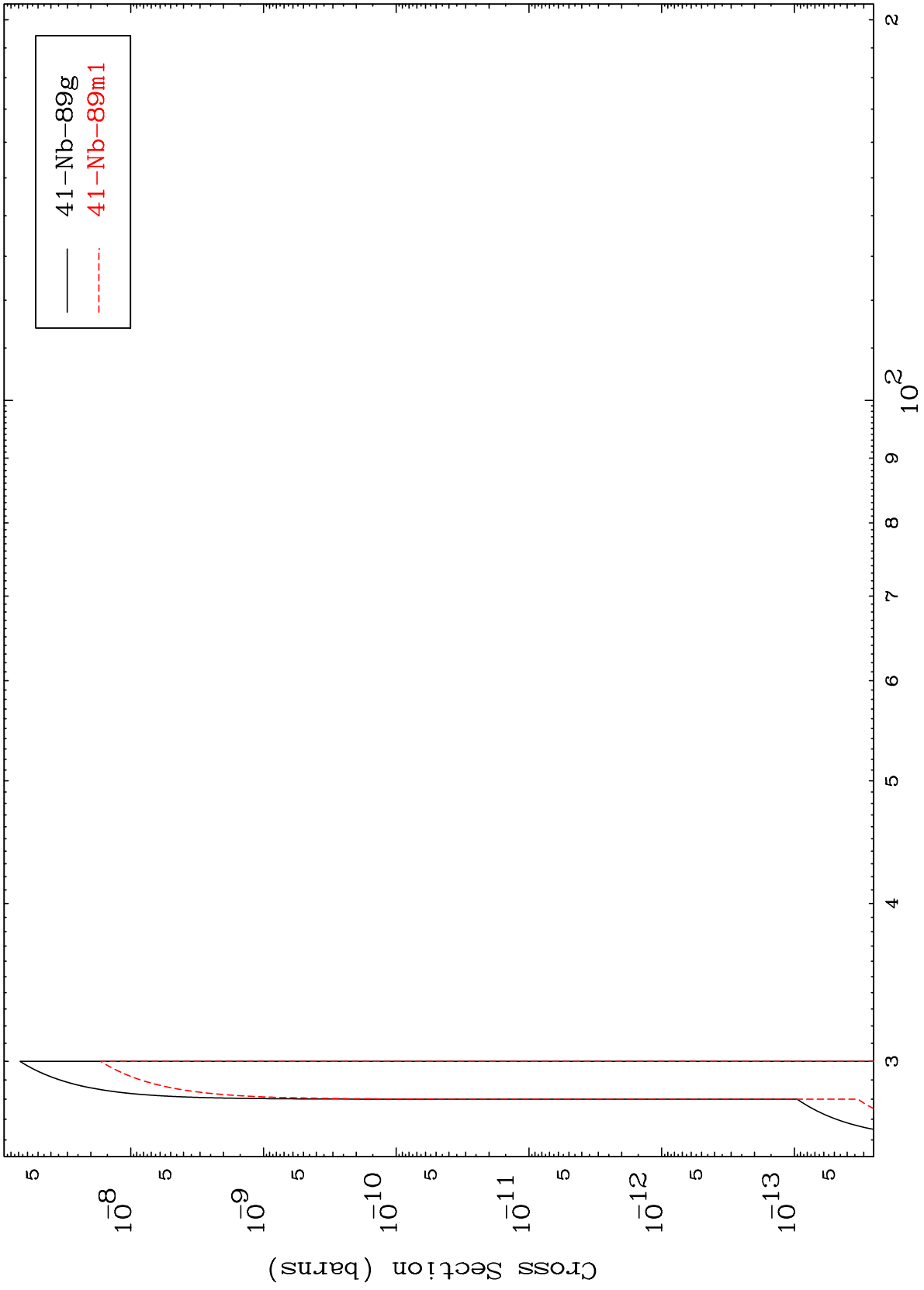
40-Zr-89

MAT 4022

( $\alpha, n'$ ) t

40-Zr-89

Radionuclide Production Cross Section



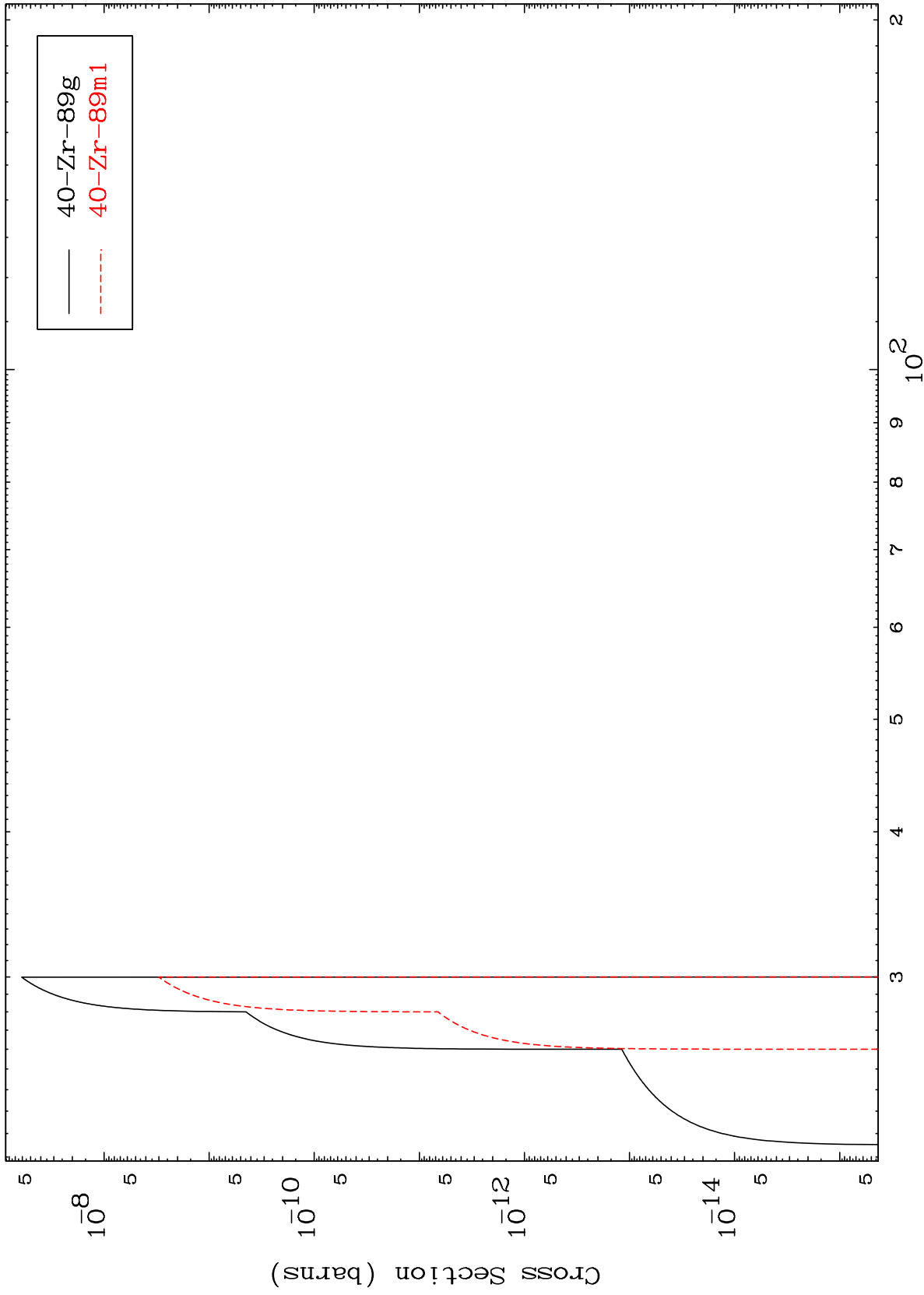
15

Incident Energy (MeV)

40-Zr-89



Radionuclide Production Cross Section

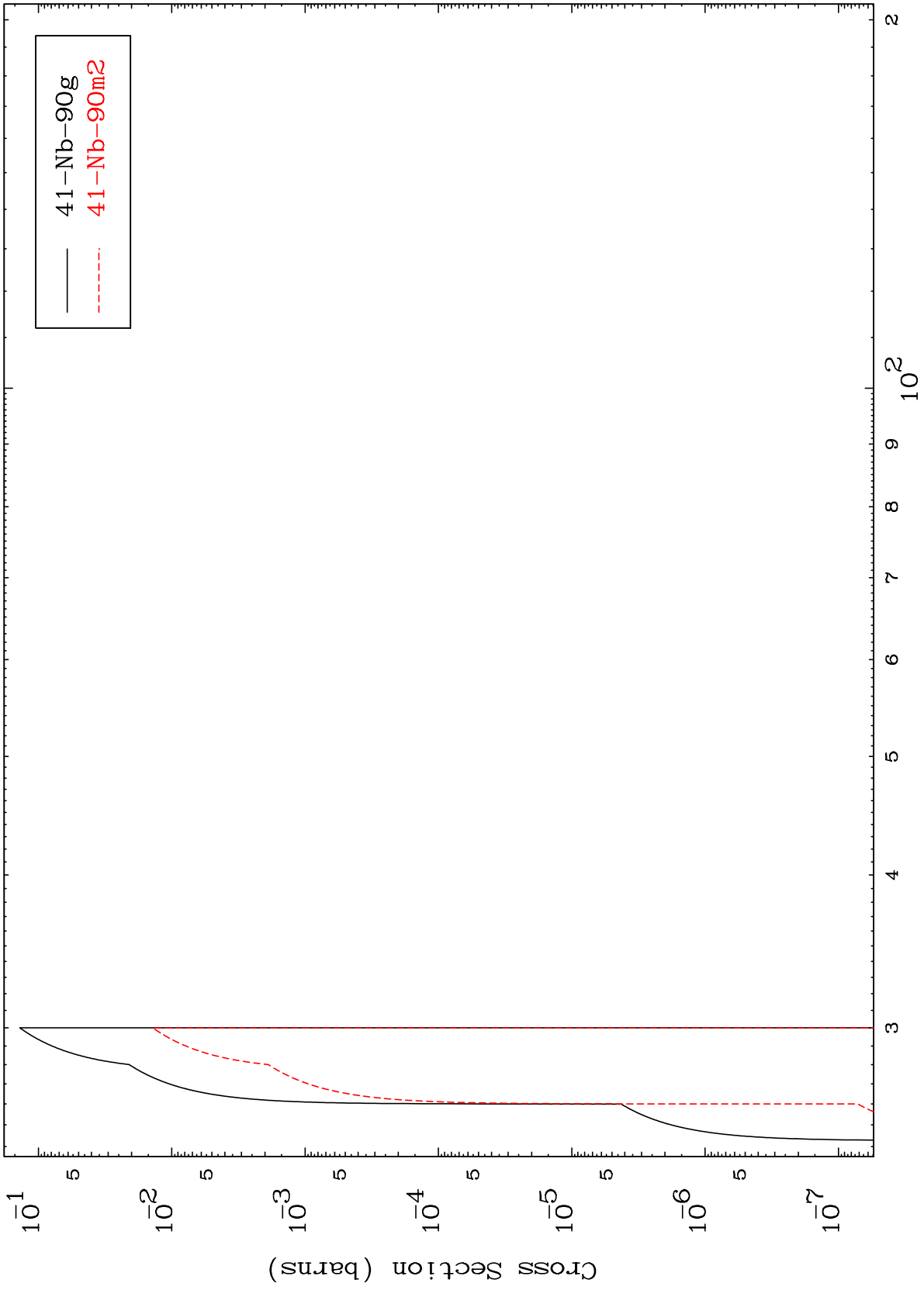


MAT 4022

( $\alpha, 2n$ ) p

40-Zr-89

Radionuclide Production Cross Section



17

Incident Energy (MeV)

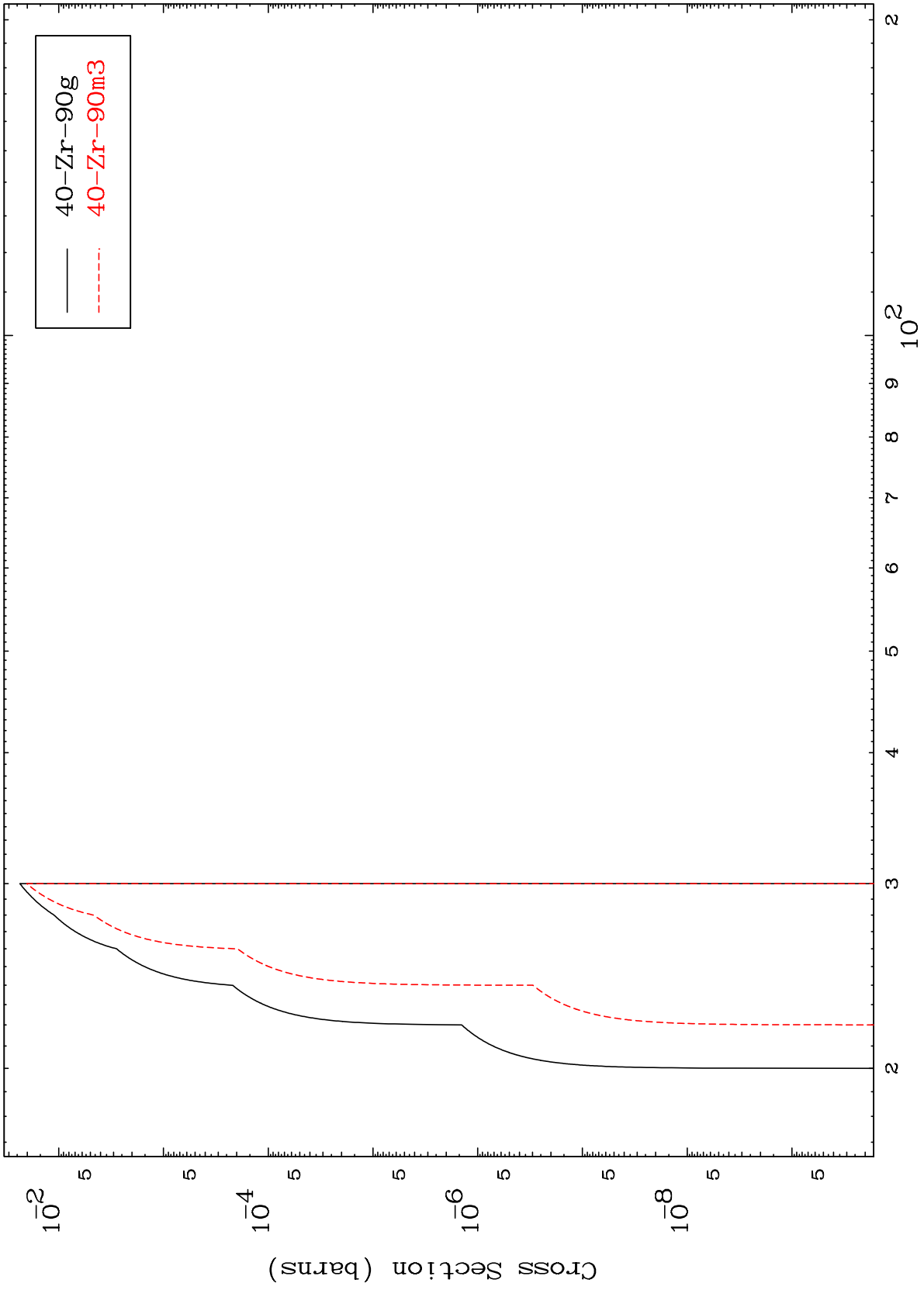
40-Zr-89

MAT 4022

( $\alpha, 2n$ ) p

40-Zr-89

Radionuclide Production Cross Section



18

Incident Energy (MeV)

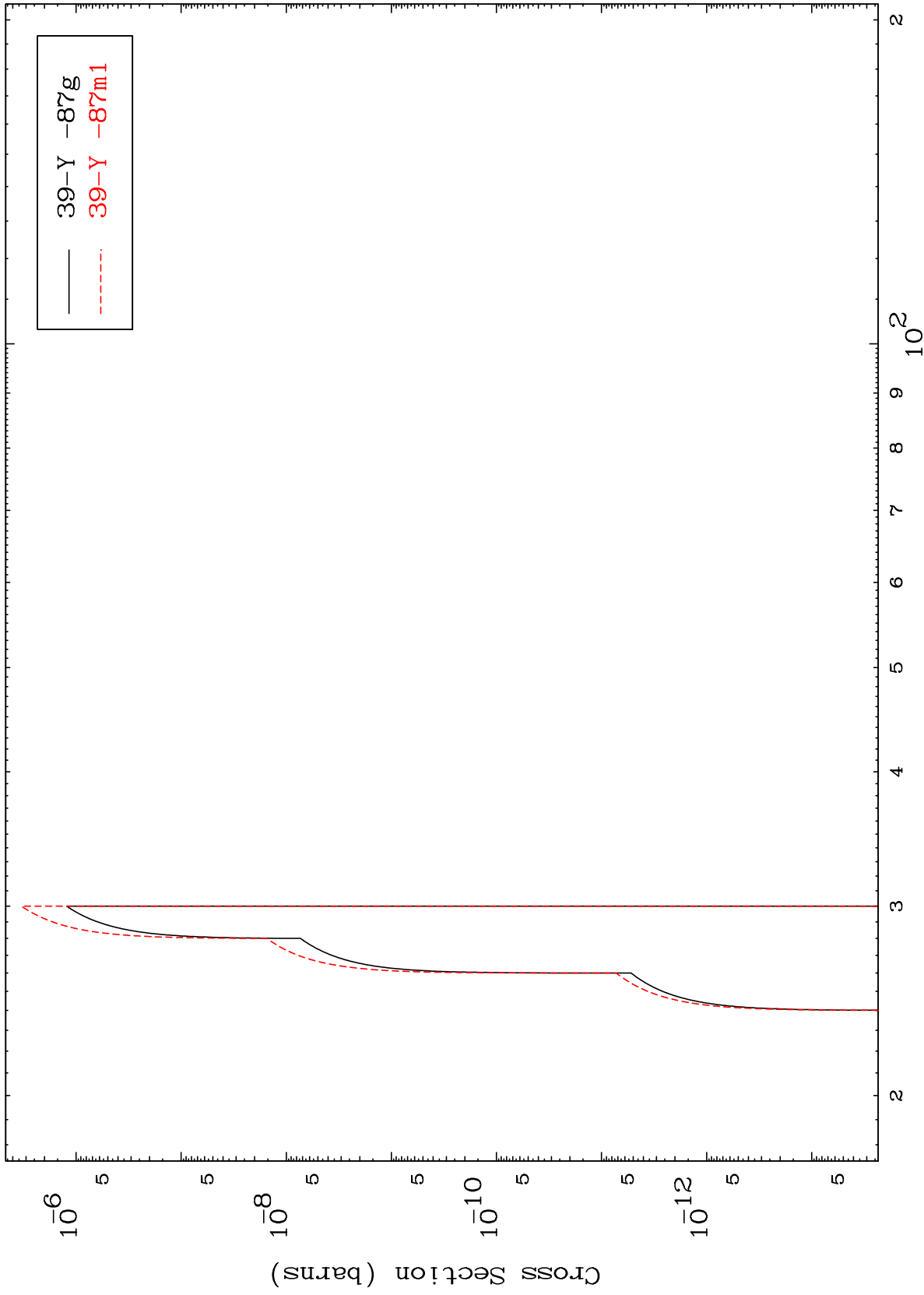
40-Zr-89

MAT 4022

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

40-Zr-89

Radionuclide Production Cross Section



19

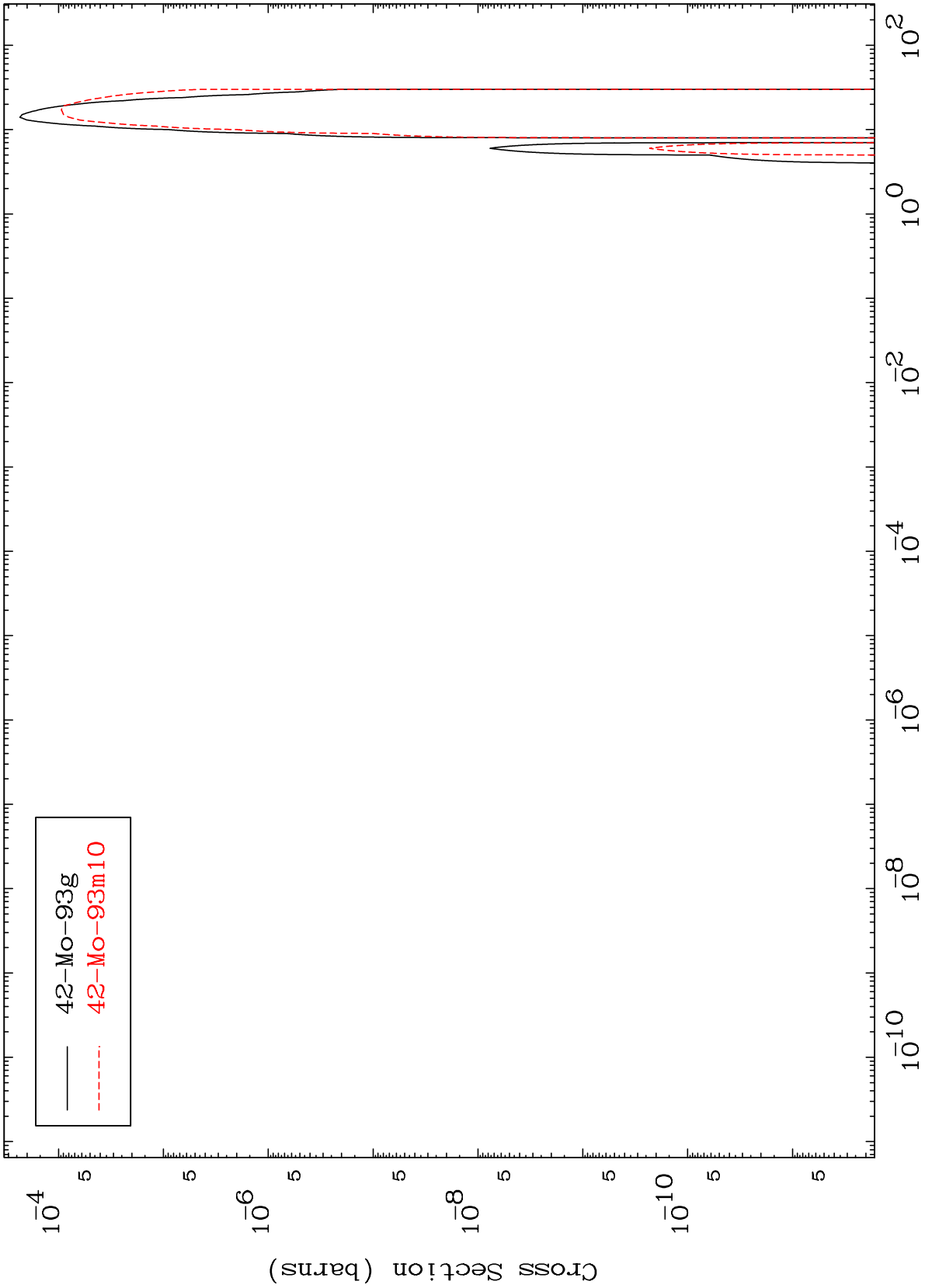
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

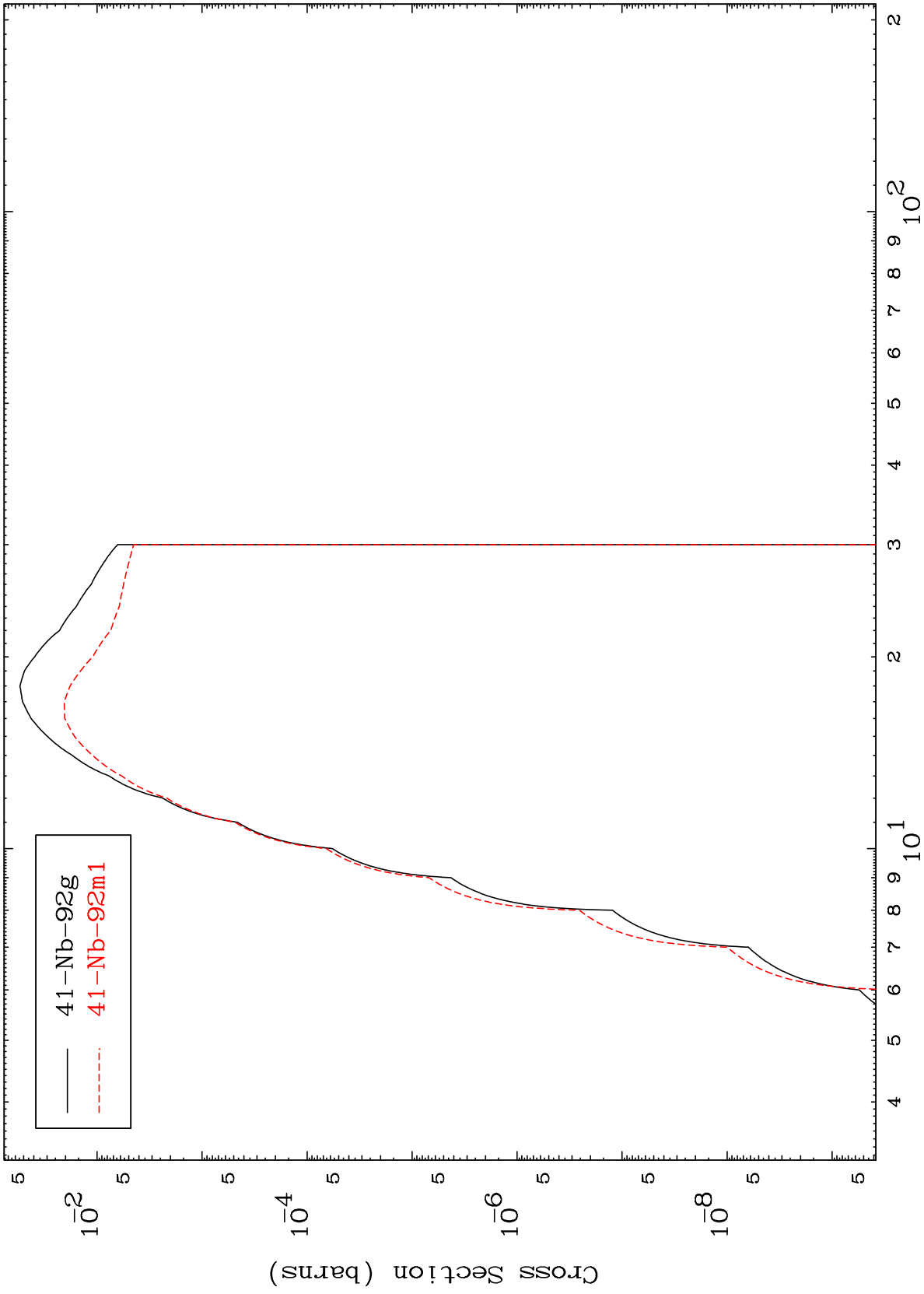
( $\alpha, \gamma$ )  
Radionuclide Production Cross Section



MAT 4022

40-Zr-89

Radionuclide Production Cross Section

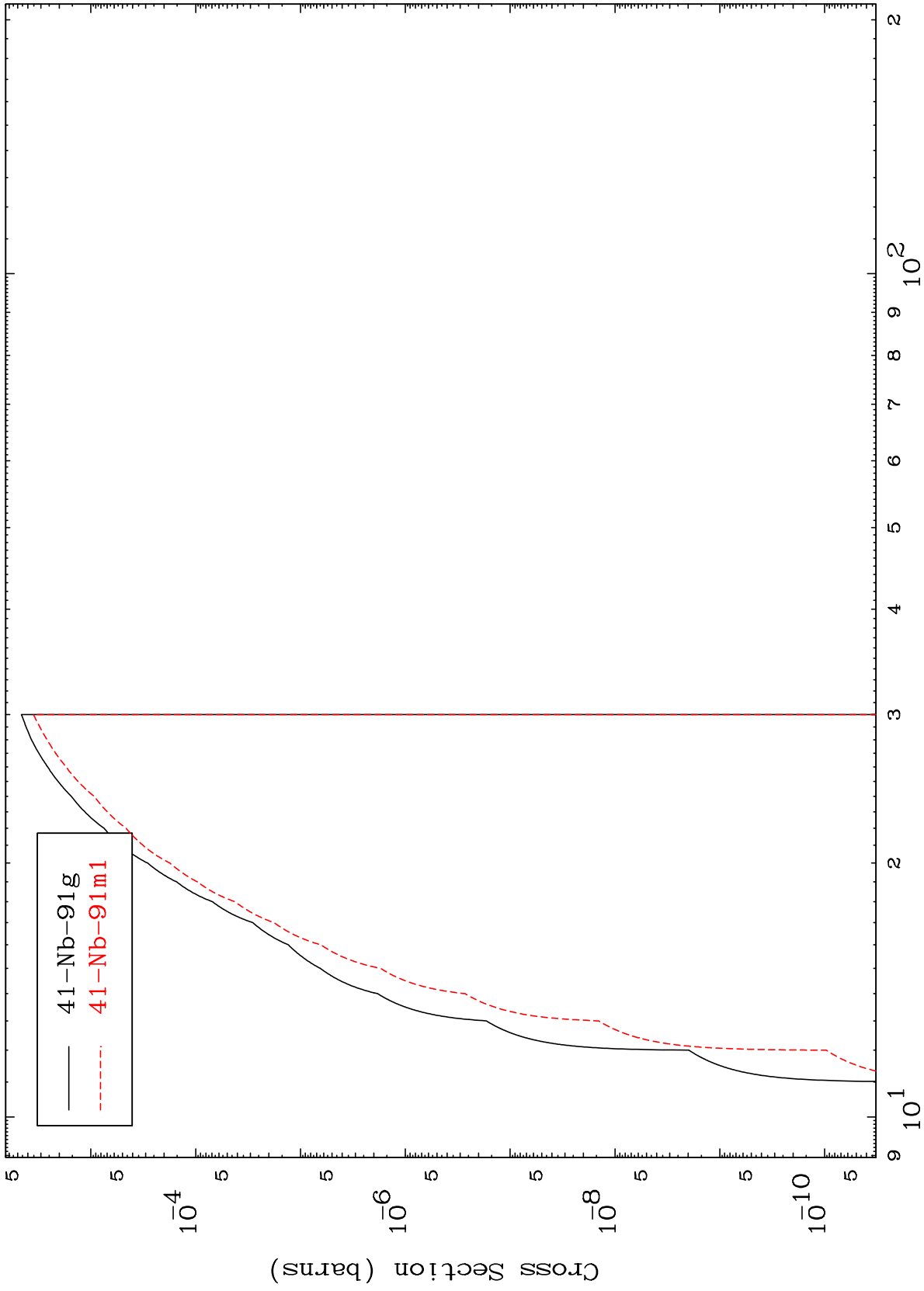


MAT 4022

( $\alpha, d$ )

40-Zr-89

Radionuclide Production Cross Section



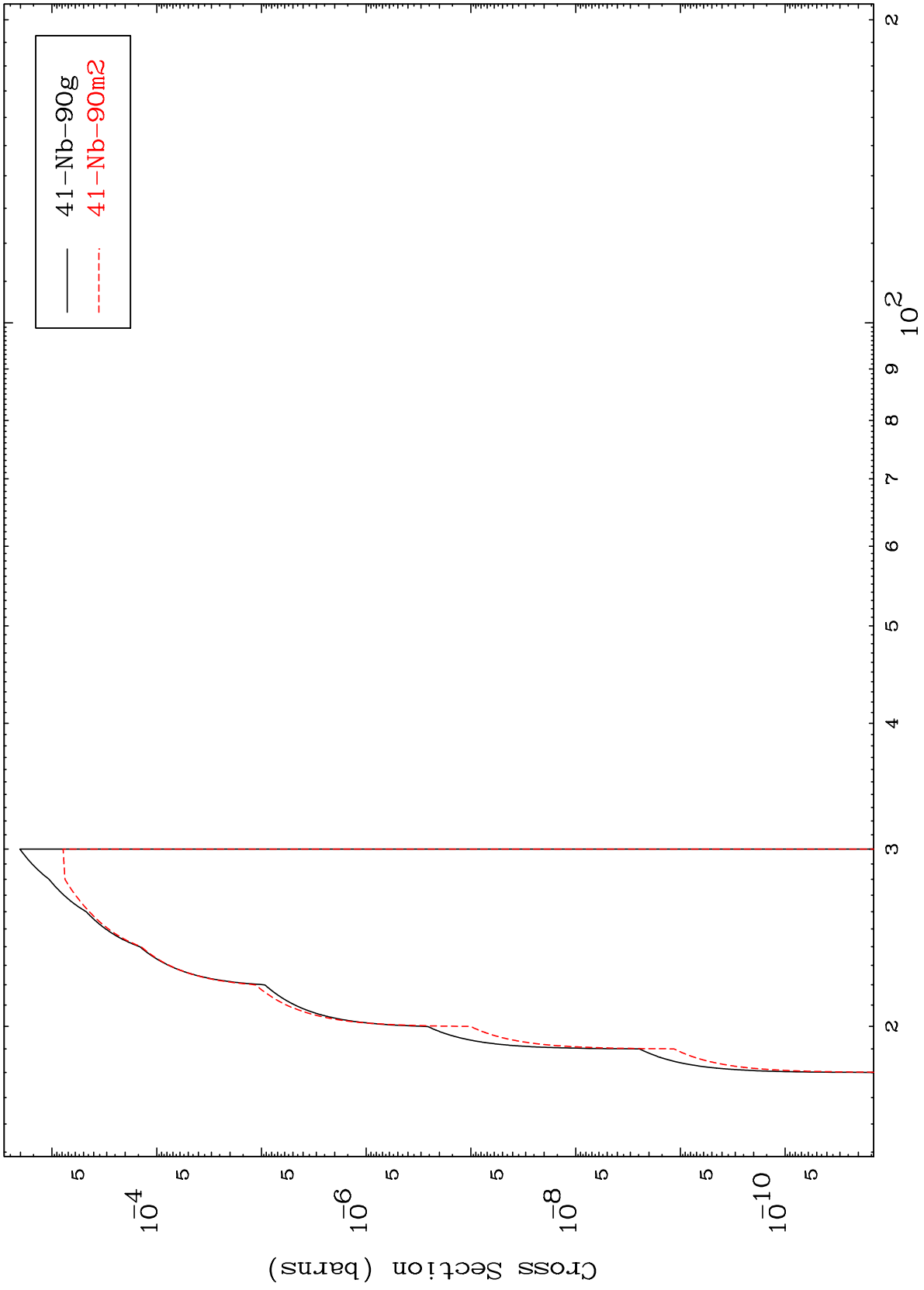
22

40-Zr-89

MAT 4022

40-Zr-89

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



23

40-Zr-89

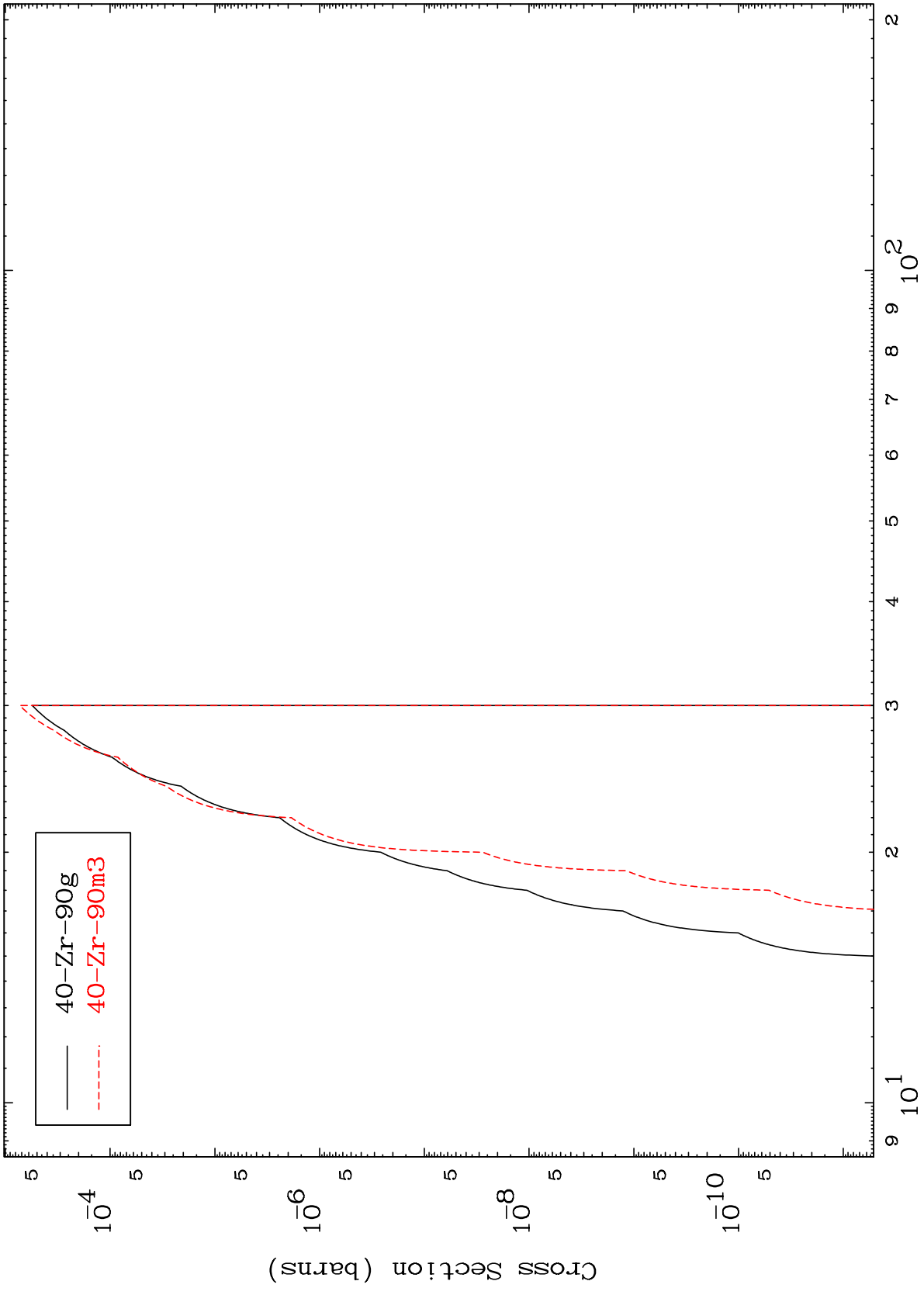


MAT 4022

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

40-Zr-89

Radionuclide Production Cross Section



24

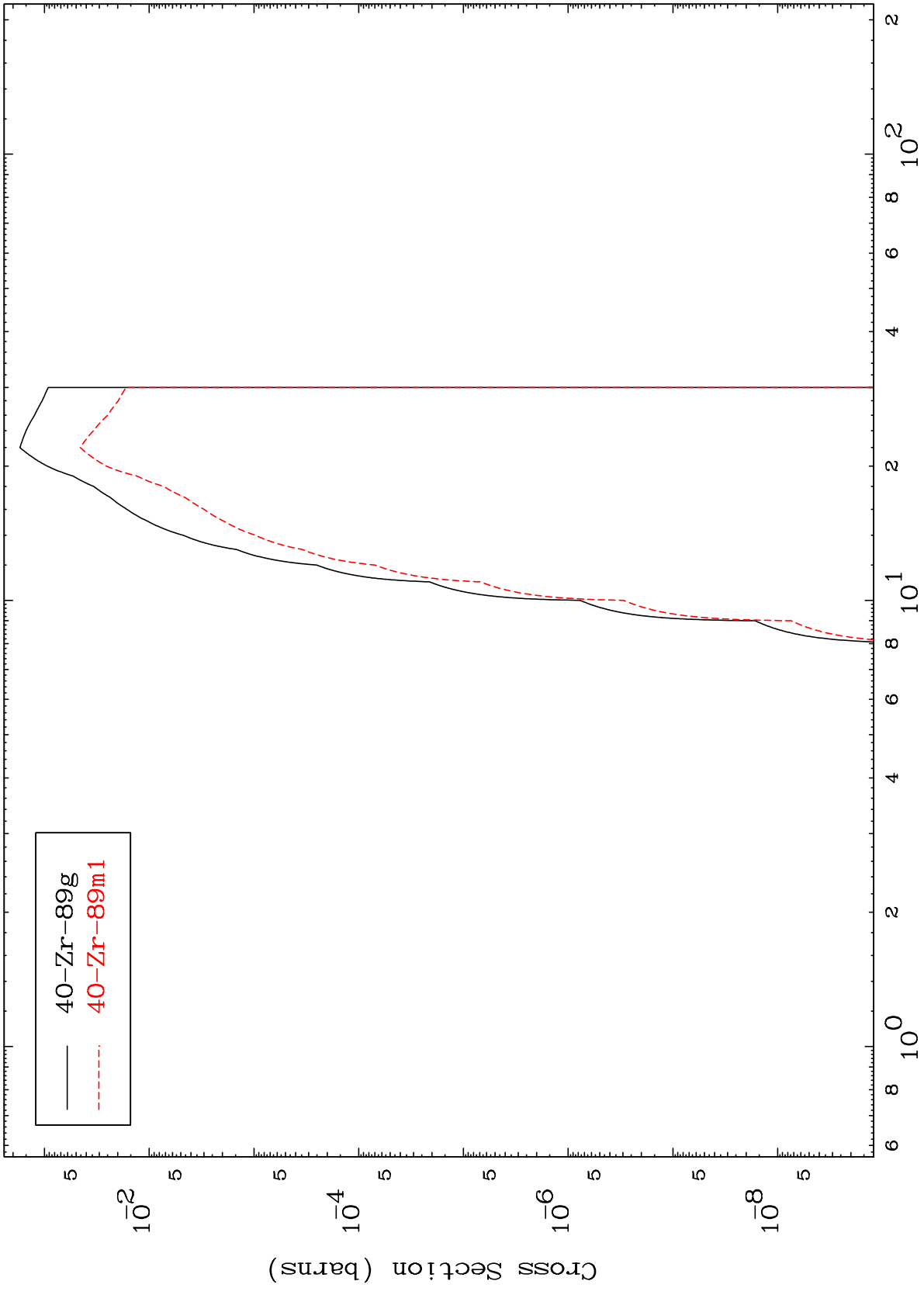
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

Radionuclide Production Cross Section



— 40-Zr-89g  
- - - 40-Zr-89m1

25

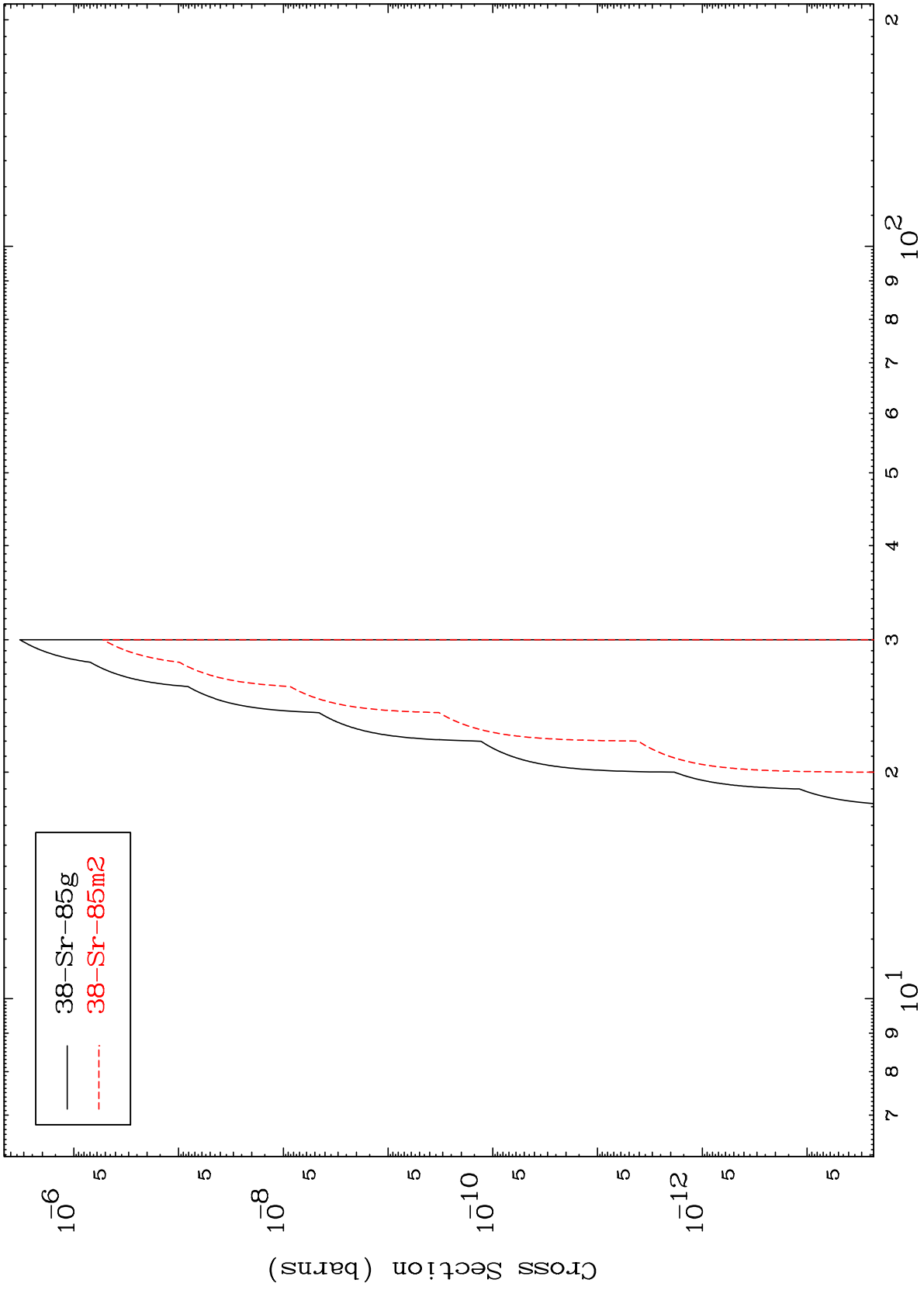
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

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



26

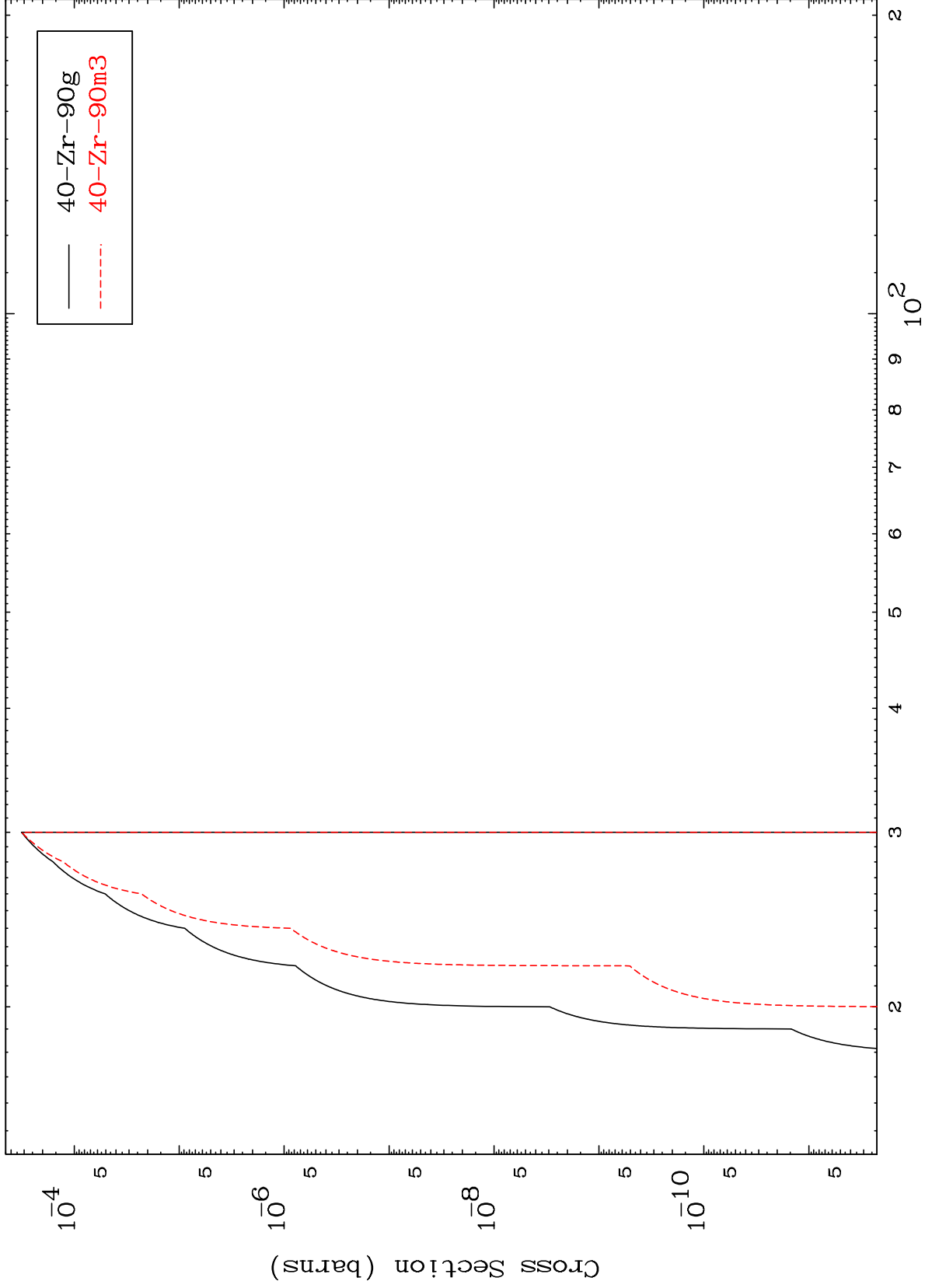
40-Zr-89

MAT 4022

( $\alpha, p$ ) d

40-Zr-89

Radionuclide Production Cross Section



27

Incident Energy (MeV)

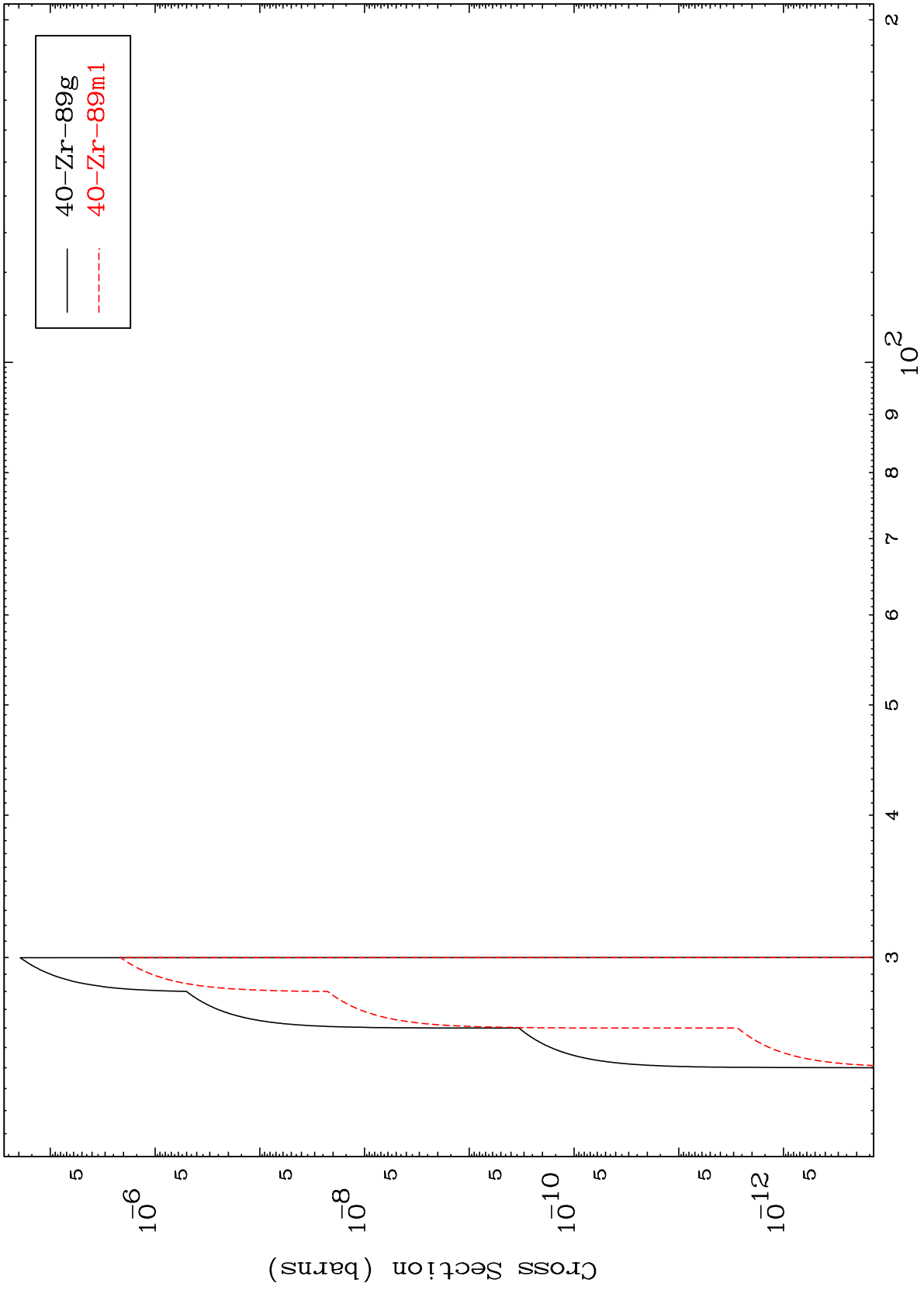
40-Zr-89

MAT 4022

( $\alpha, p$ ) t

40-Zr-89

Radionuclide Production Cross Section



28

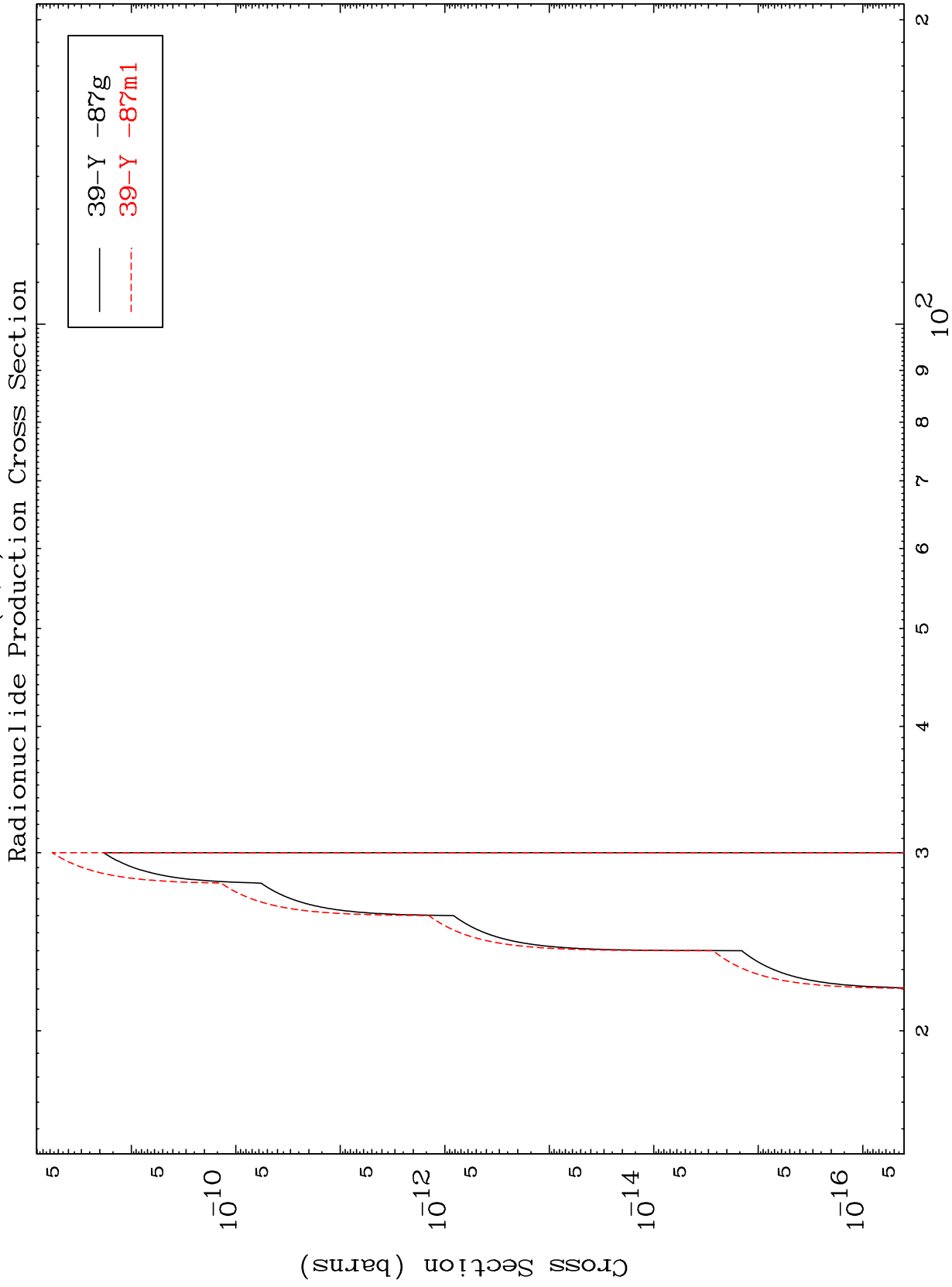
Incident Energy (MeV)

40-Zr-89

MAT 4022

( $\alpha, d$ )  $\alpha$

40-Zr-89



29

Incident Energy (MeV)

40-Zr-89