

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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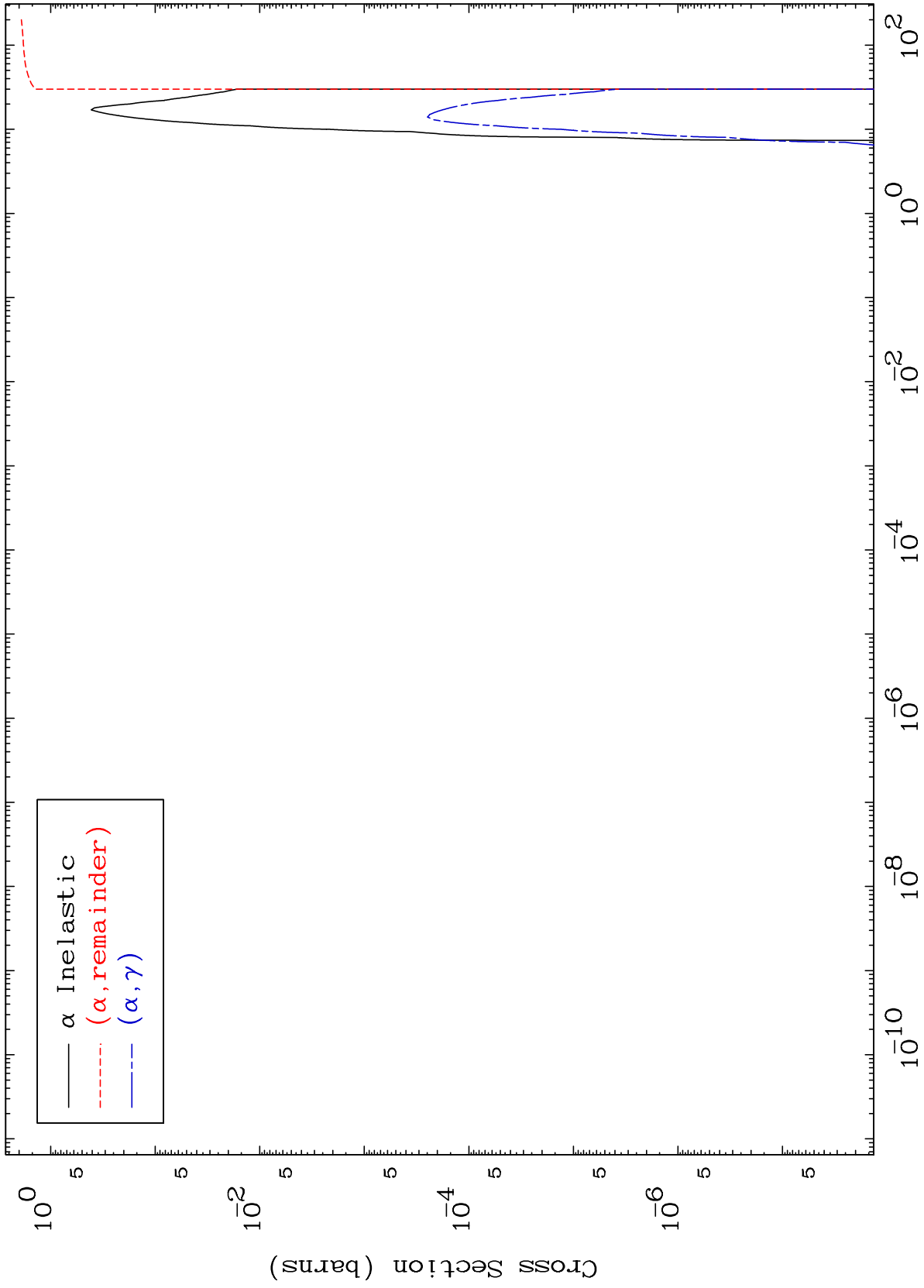
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4019

0 Kelvin  $\alpha$  Major  
Cross Sections

40-Zr-88



1

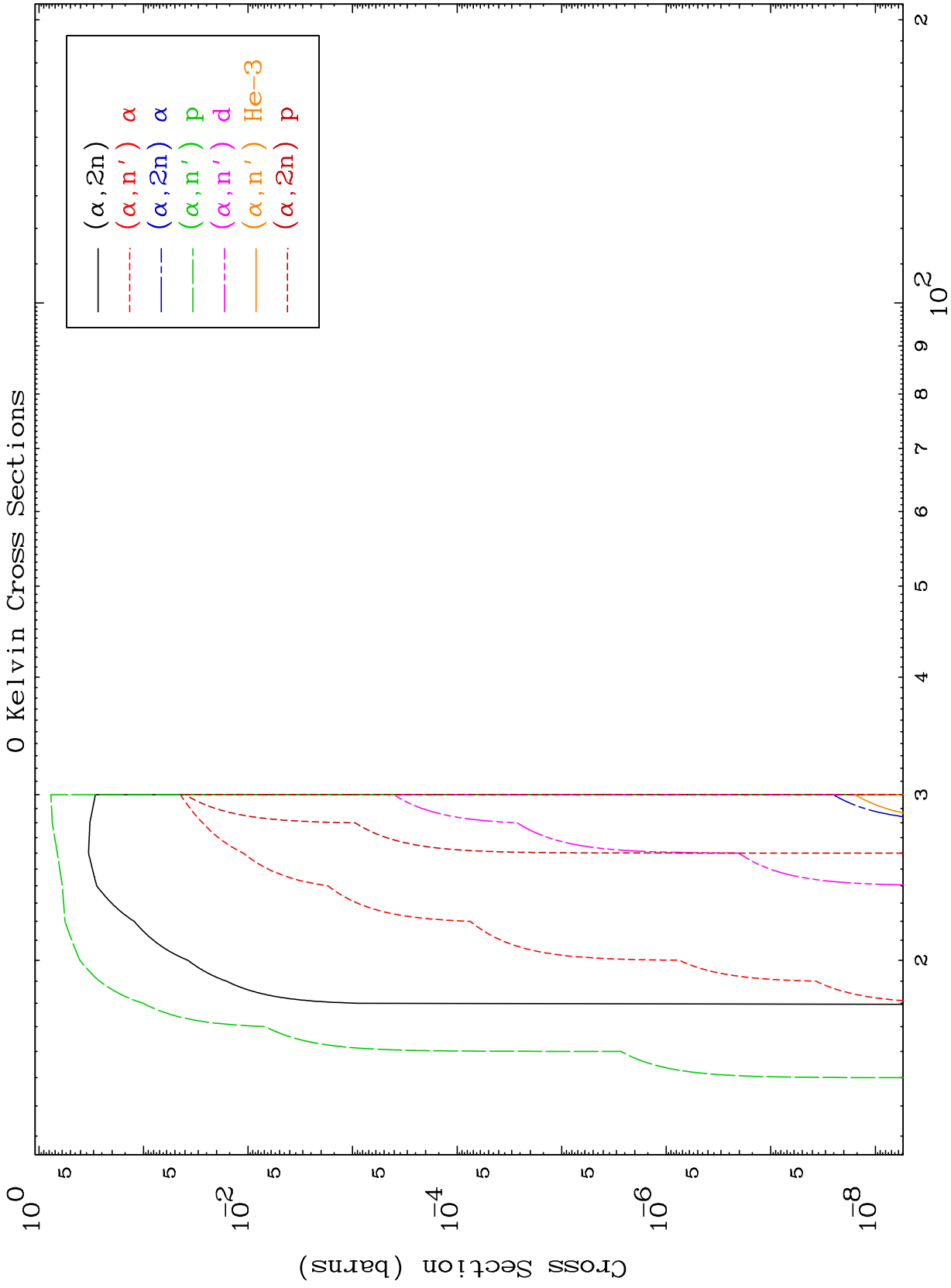
Incident Energy (MeV)

40-Zr-88

MAT 4019

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

40-Zr-88



2

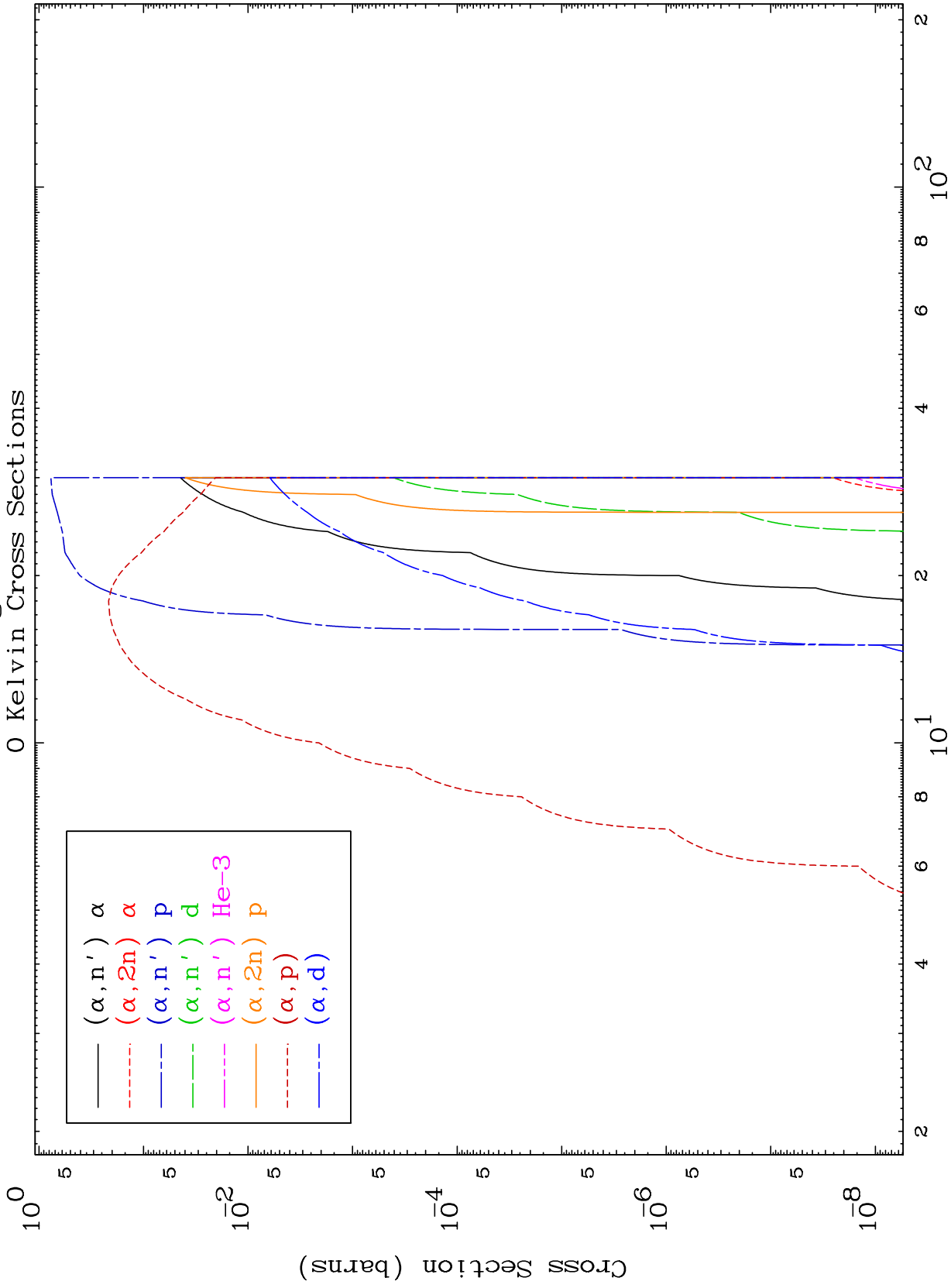
Incident Energy (MeV)

40-Zr-88

MAT 4019

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

40-Zr-88



3

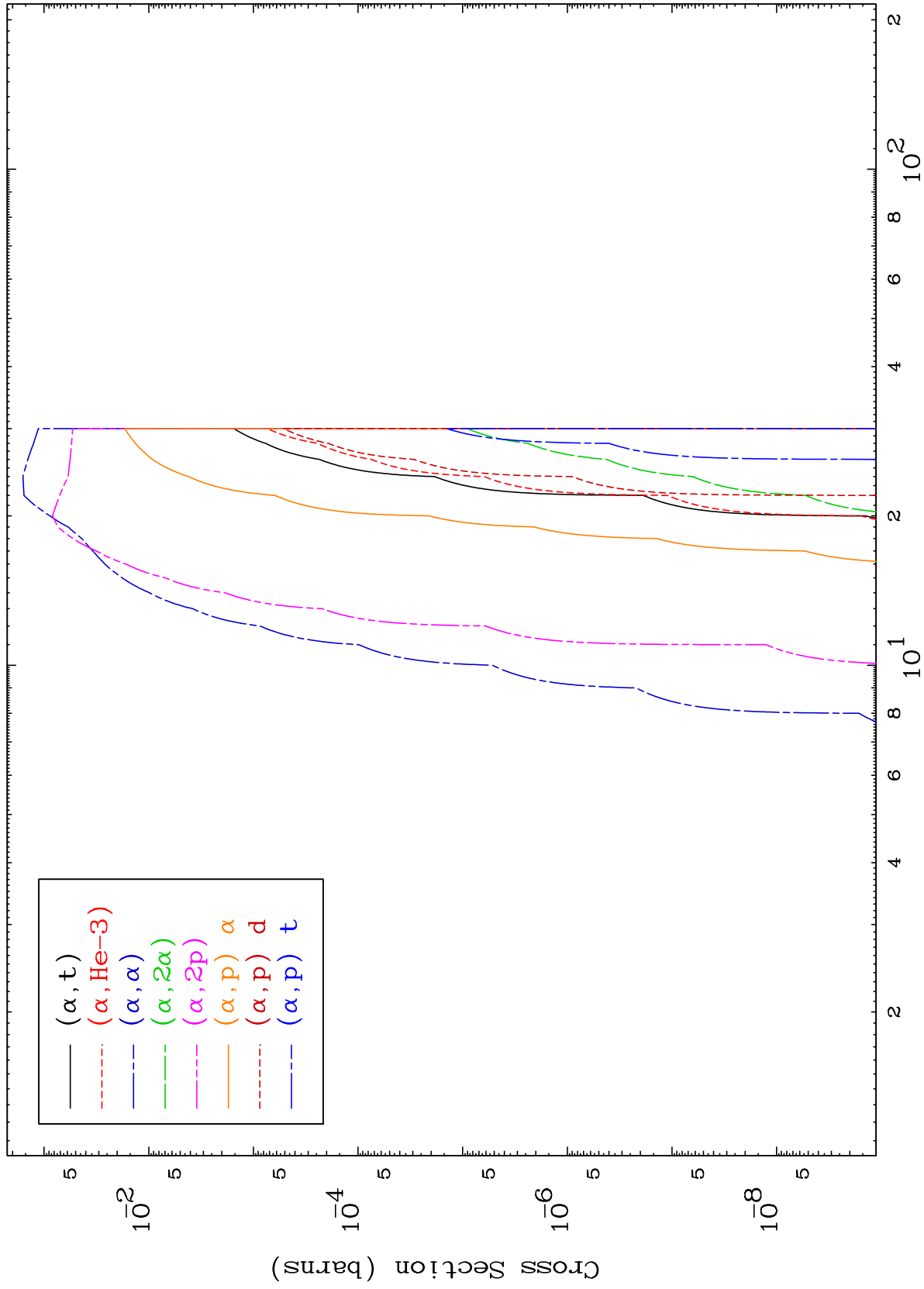
Incident Energy (MeV)

40-Zr-88

MAT 4019

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

40-Zr-88



4

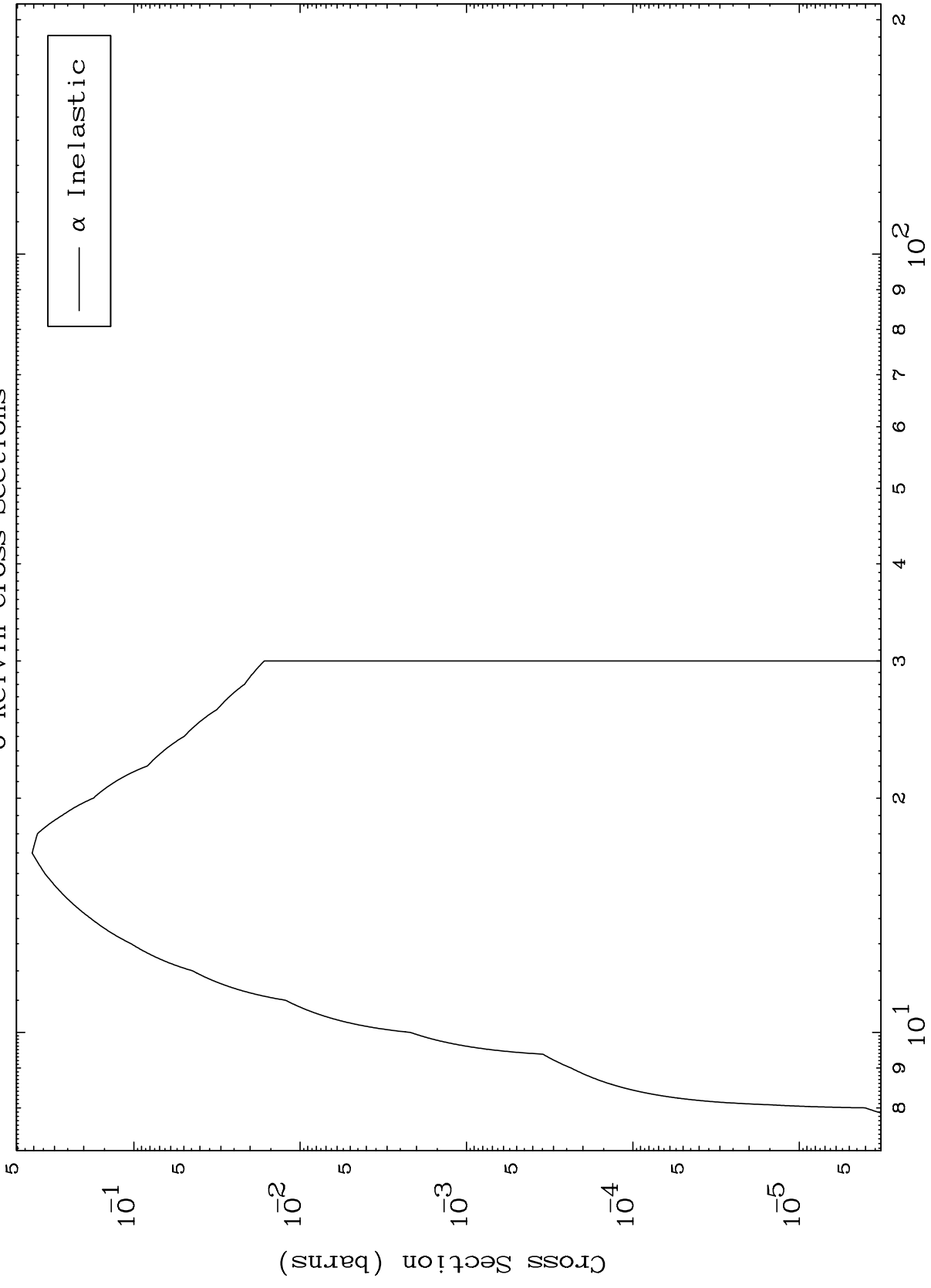
Incident Energy (MeV)

40-Zr-88

MAT 4019

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

40-Zr-88



5

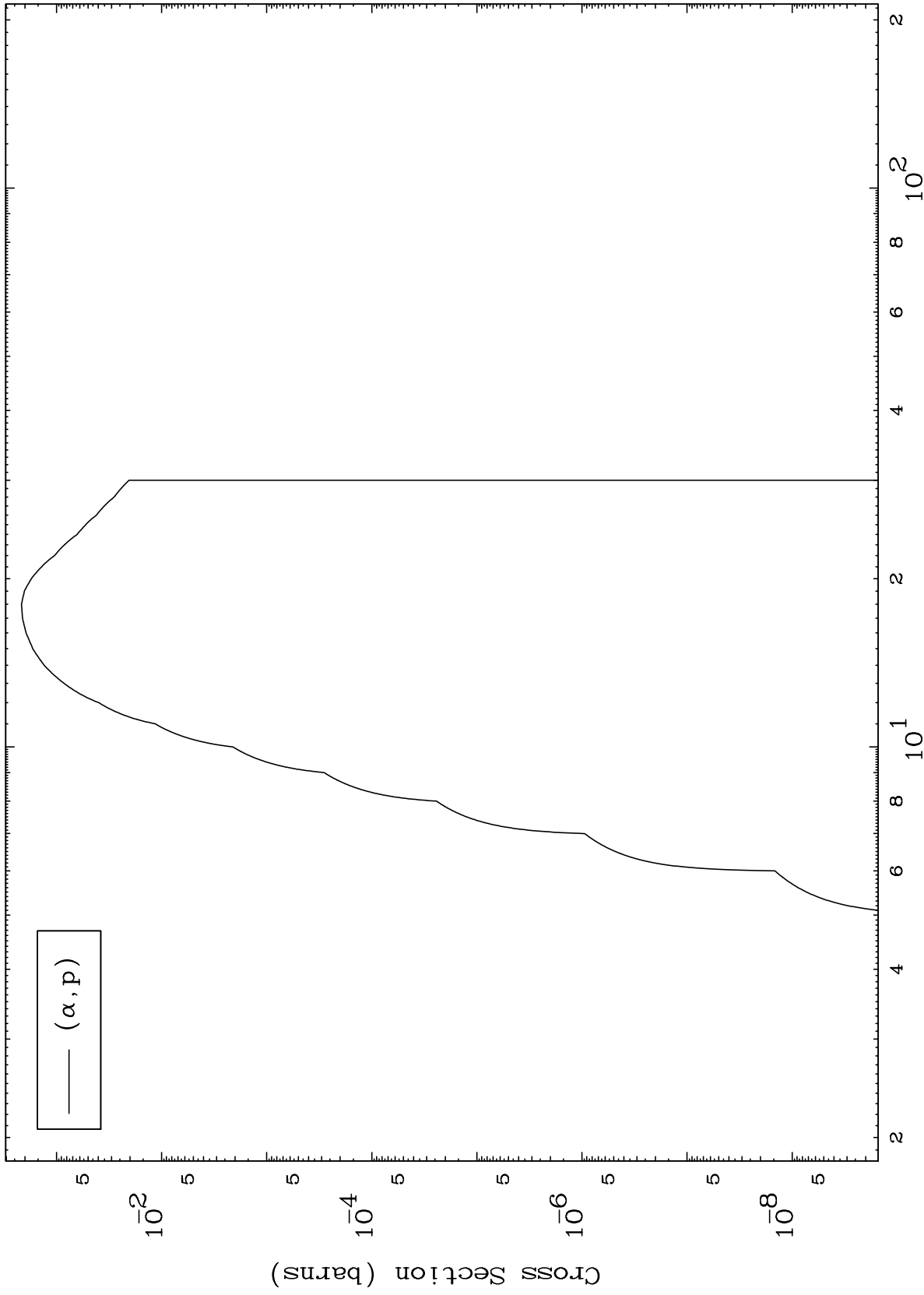
Incident Energy (MeV)

40-Zr-88

MAT 4019

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

40-Zr-88



6

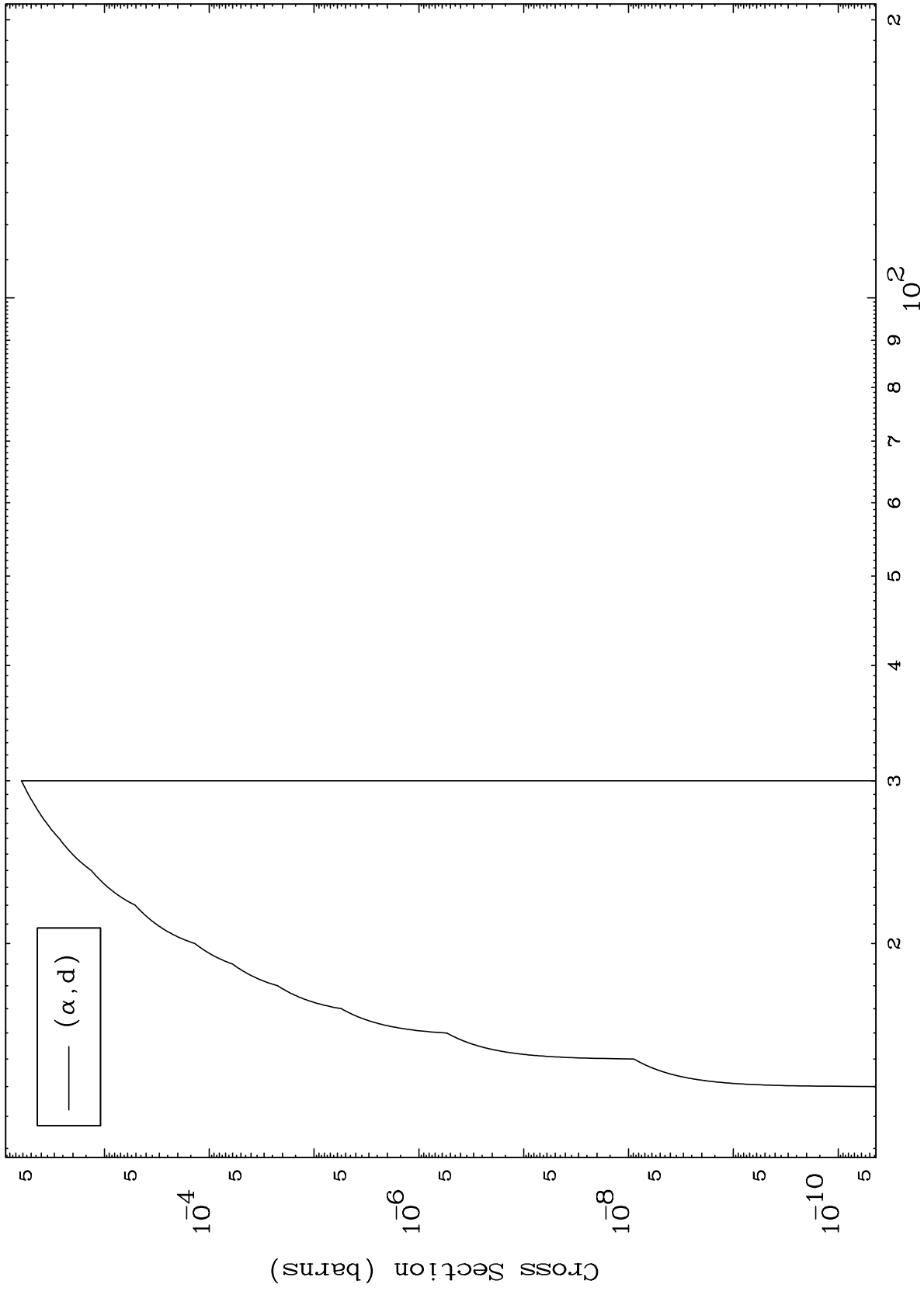
Incident Energy (MeV)

40-Zr-88

MAT 4019

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

40-Zr-88



7

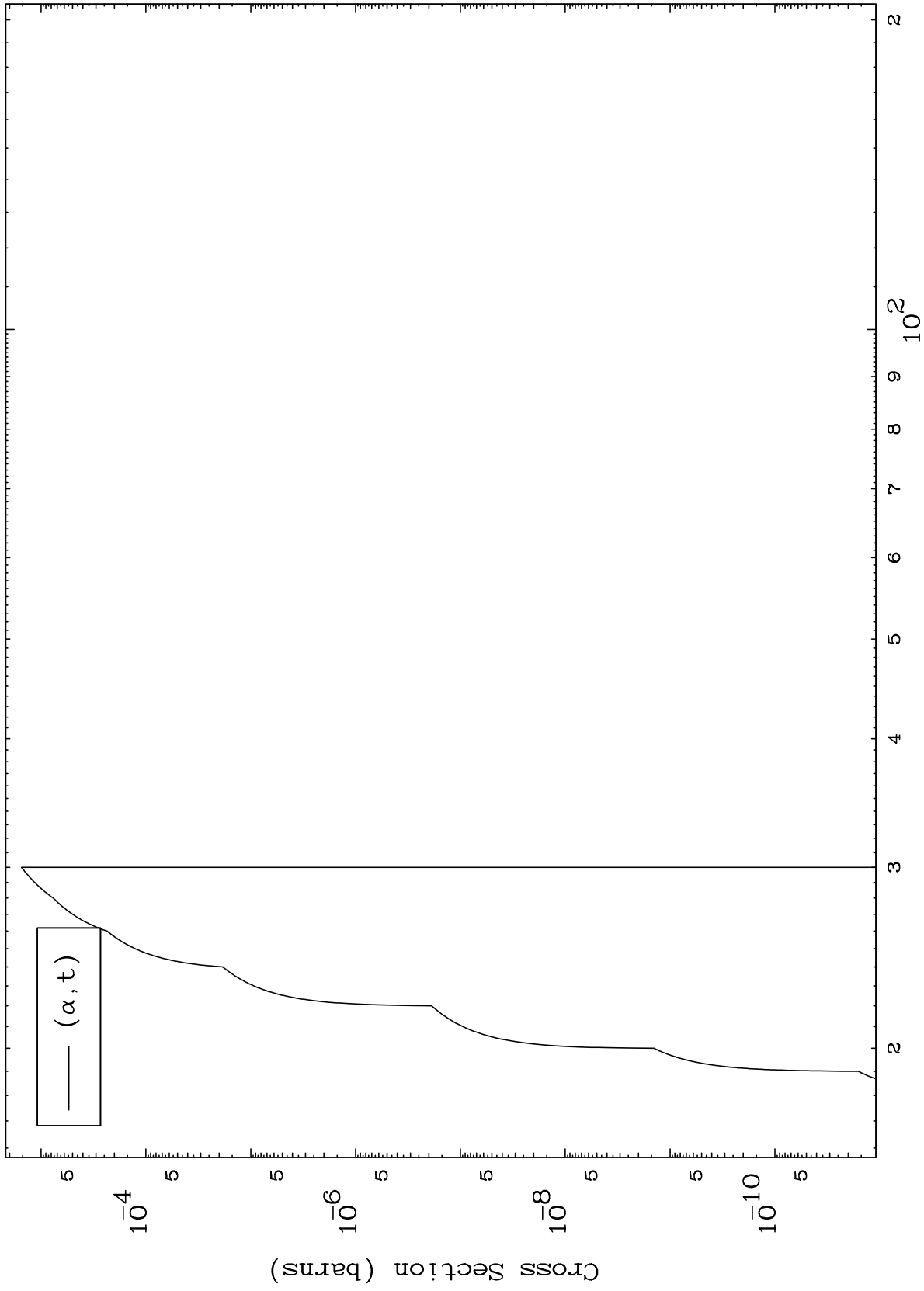
Incident Energy (MeV)

40-Zr-88

MAT 4019

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

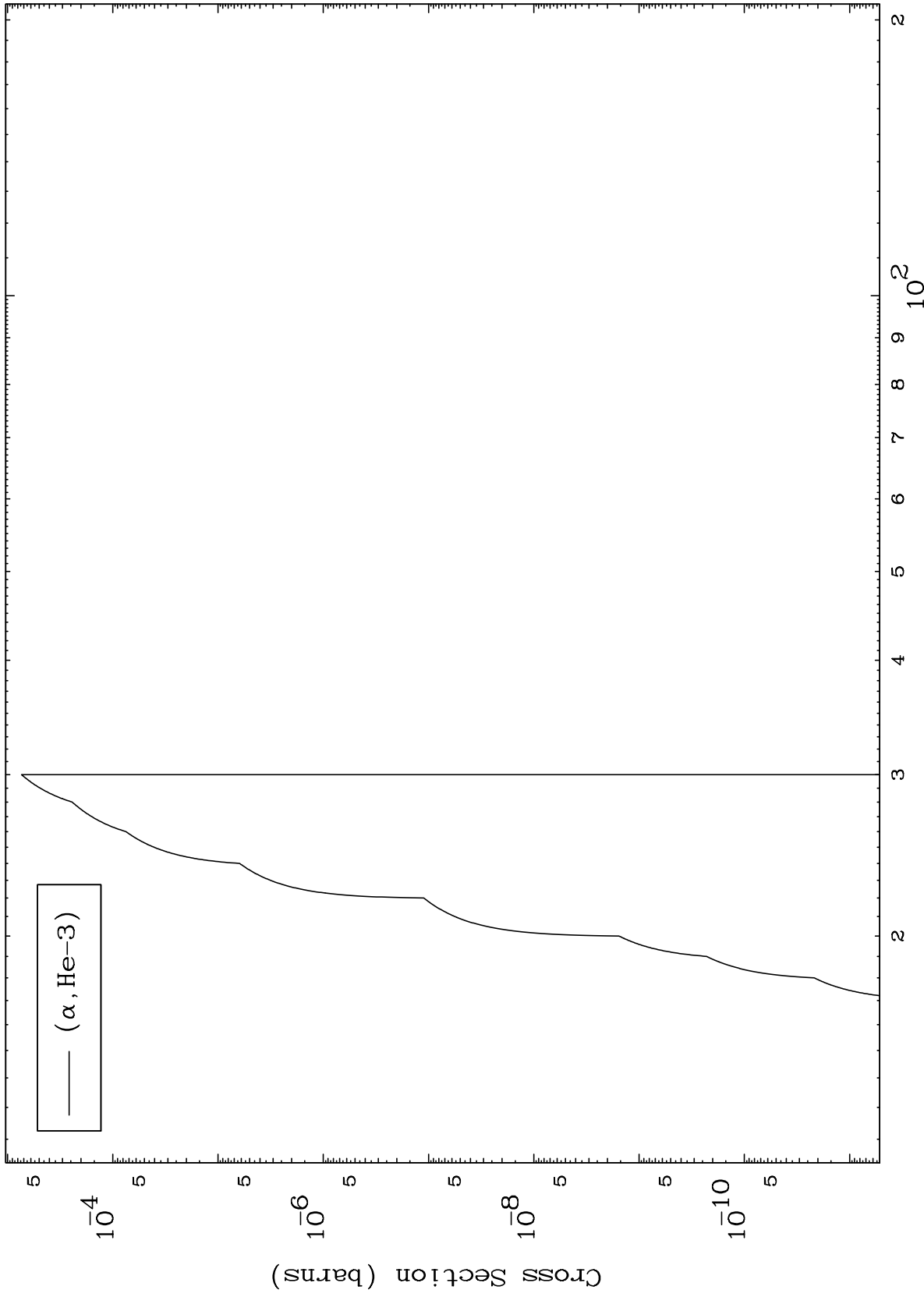
40-Zr-88



8

Incident Energy (MeV)

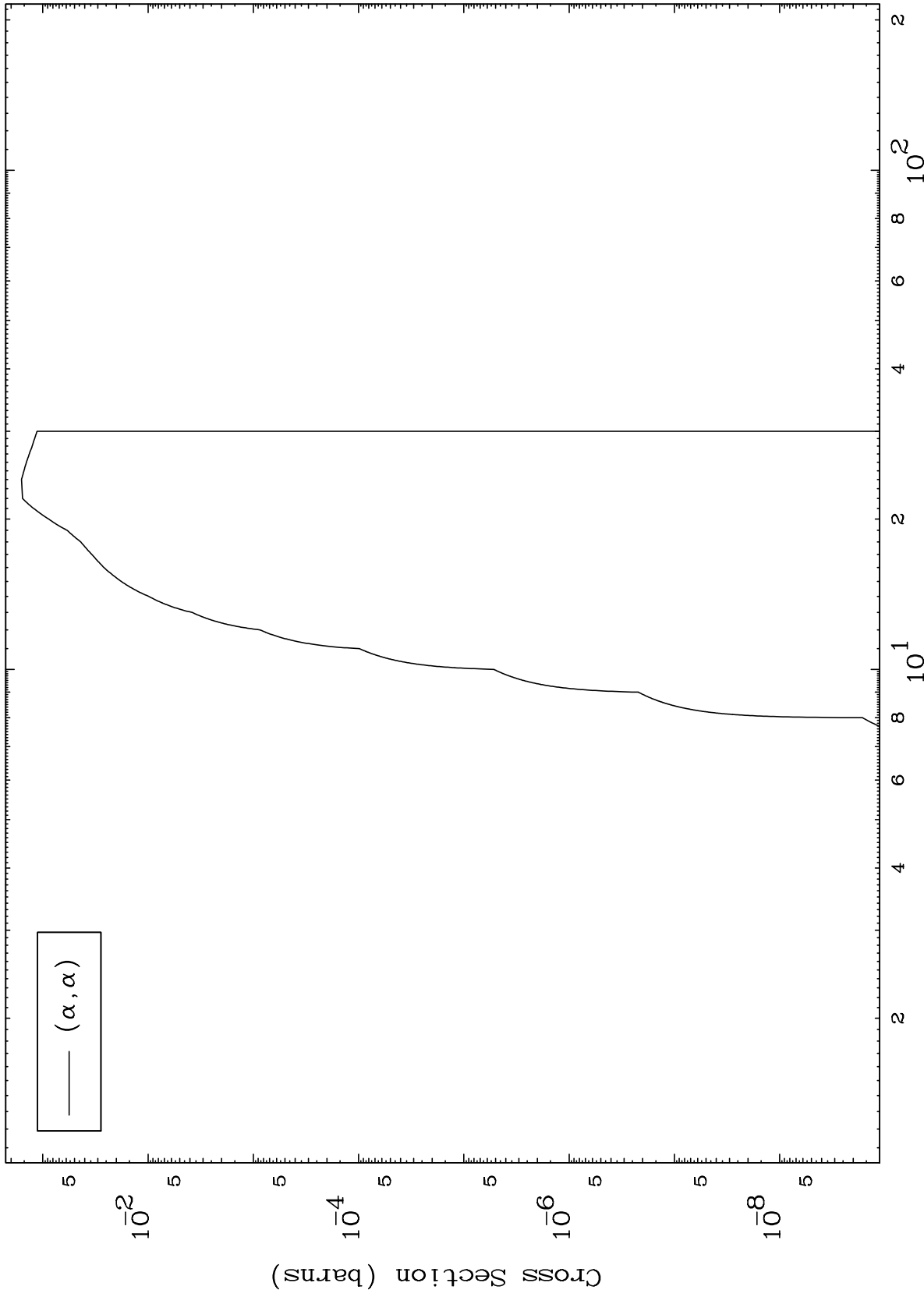
40-Zr-88



MAT 4019

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

40-Zr-88



10

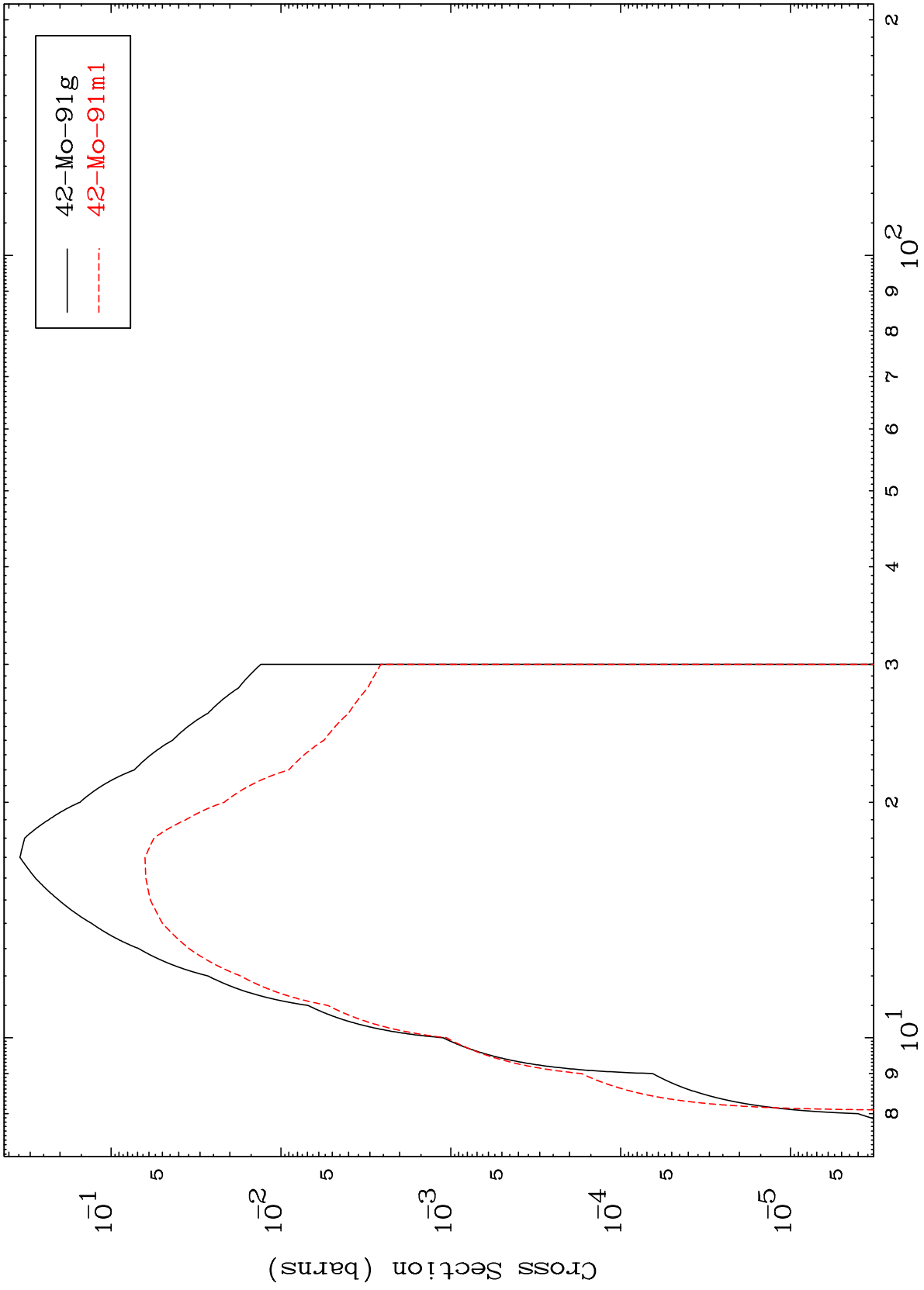
Incident Energy (MeV)

40-Zr-88

MAT 4019

40-Zr-88

Radionuclide Production Cross Section  
 $\alpha$  Inelastic



11

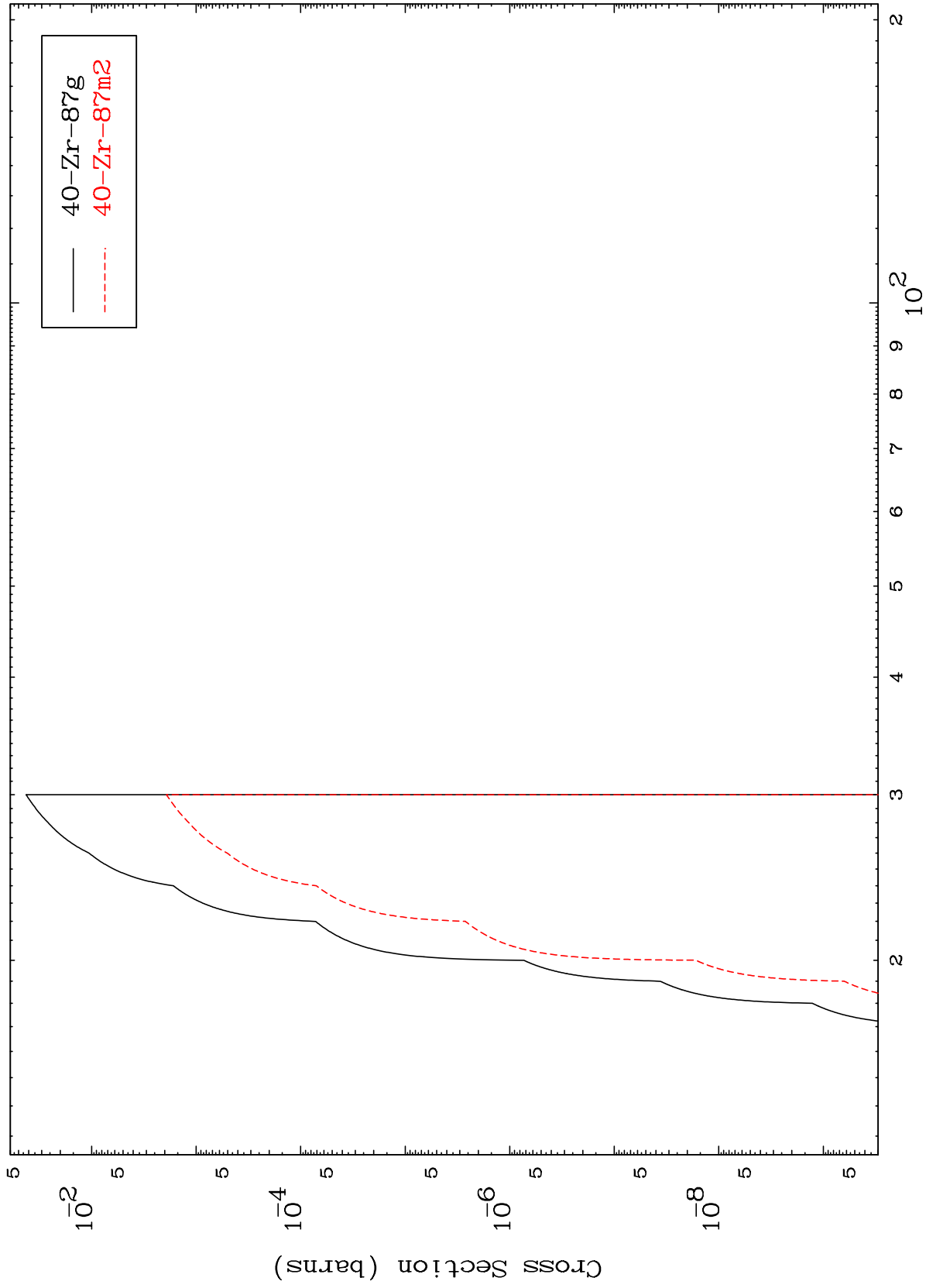
40-Zr-88

MAT 4019

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

40-Zr-88

Radionuclide Production Cross Section



12

Incident Energy (MeV)

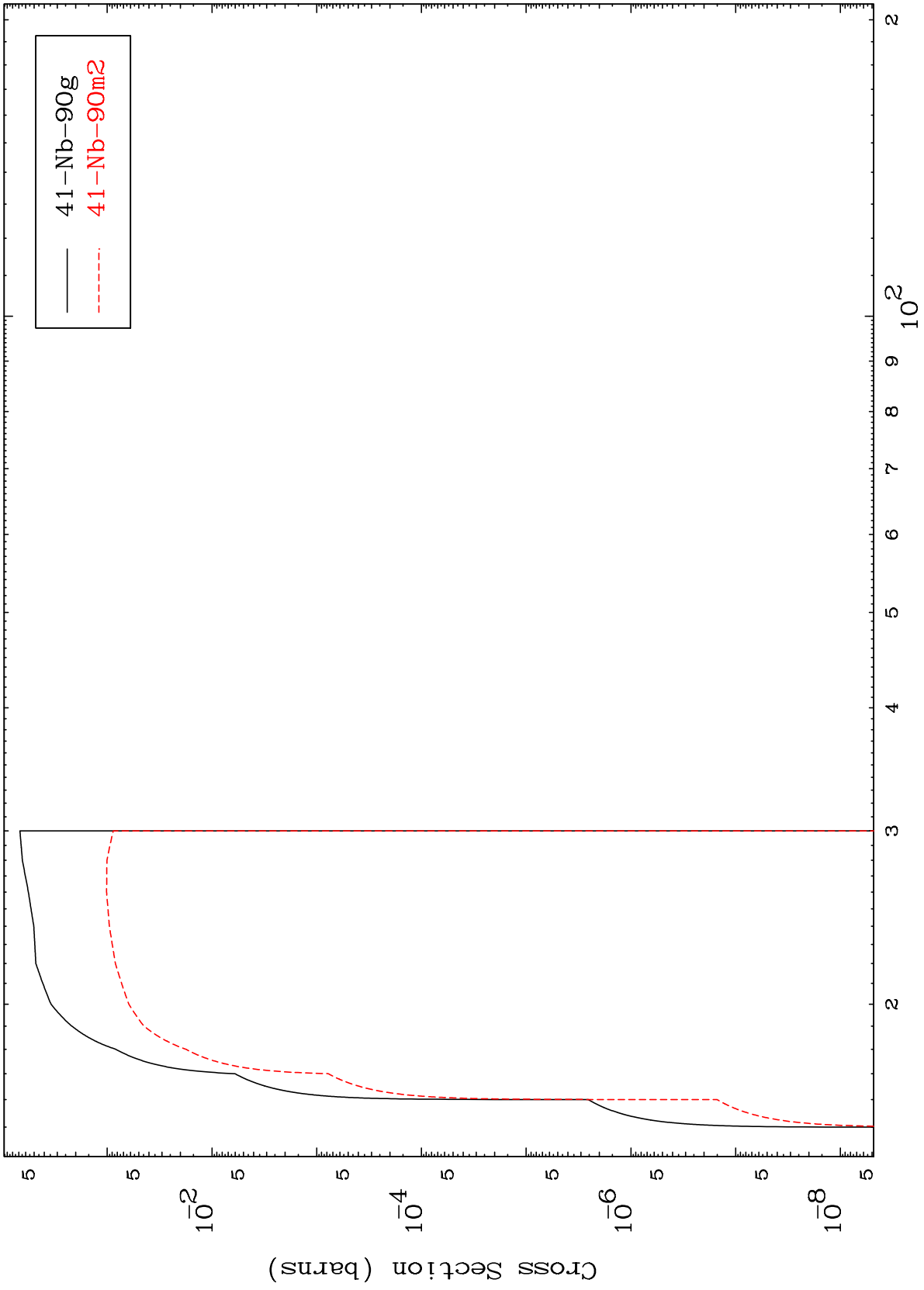
40-Zr-88

MAT 4019

( $\alpha, n'$ ) p

40-Zr-88

Radionuclide Production Cross Section



13

Incident Energy (MeV)

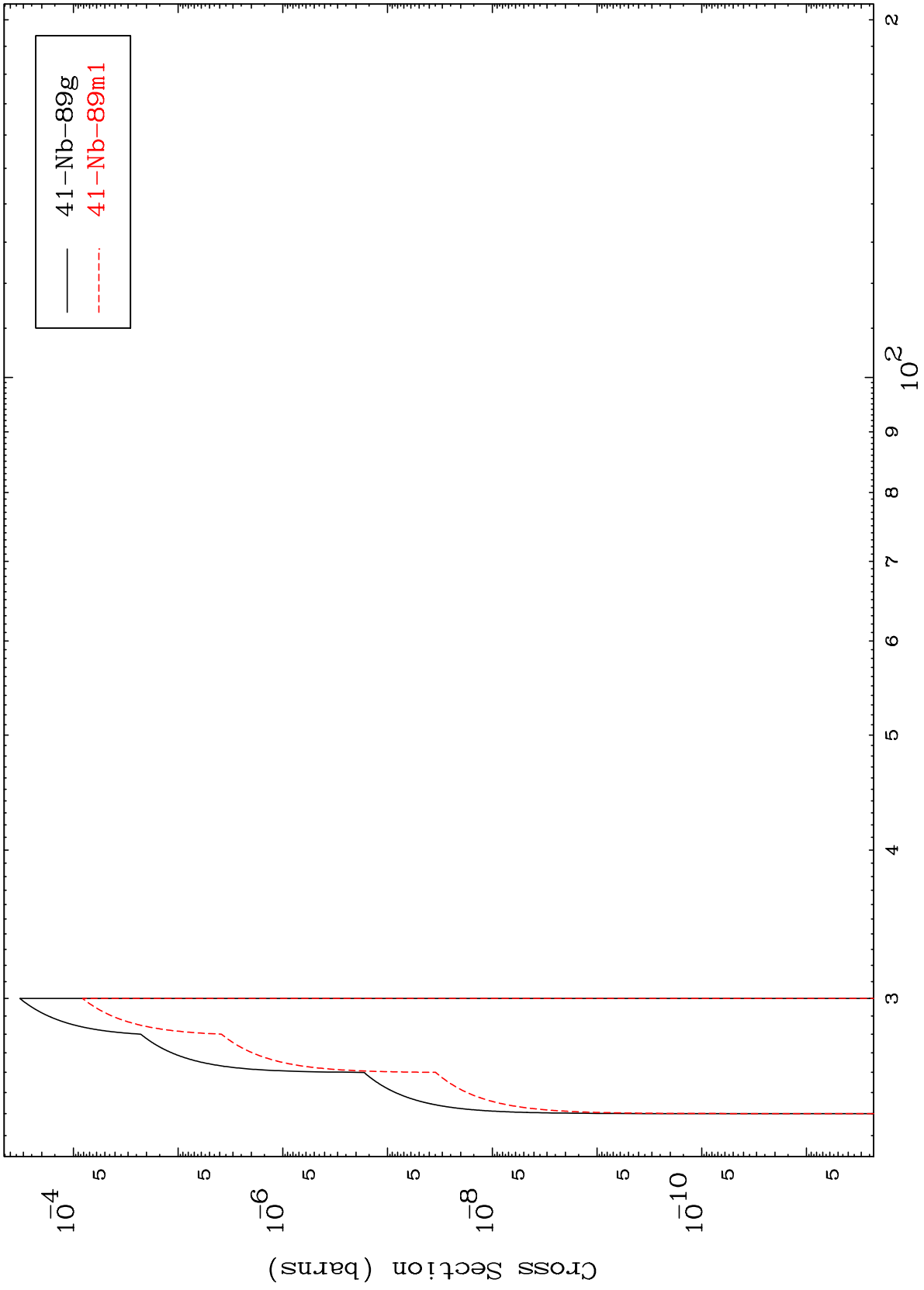
40-Zr-88

MAT 4019

( $\alpha, n'$ ) d

40-Zr-88

Radionuclide Production Cross Section



14

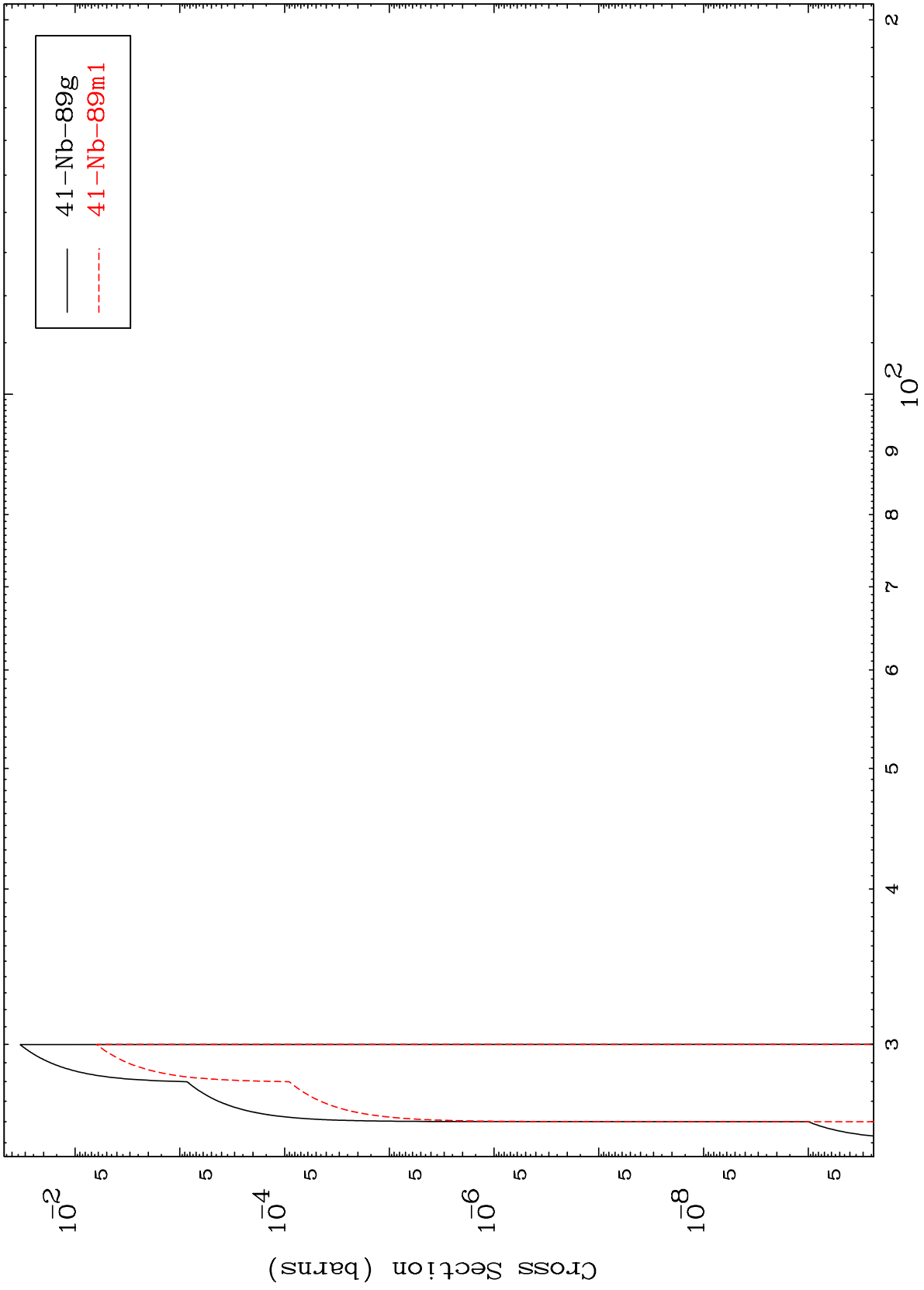
Incident Energy (MeV)

40-Zr-88

MAT 4019

40-Zr-88

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



15

Incident Energy (MeV)

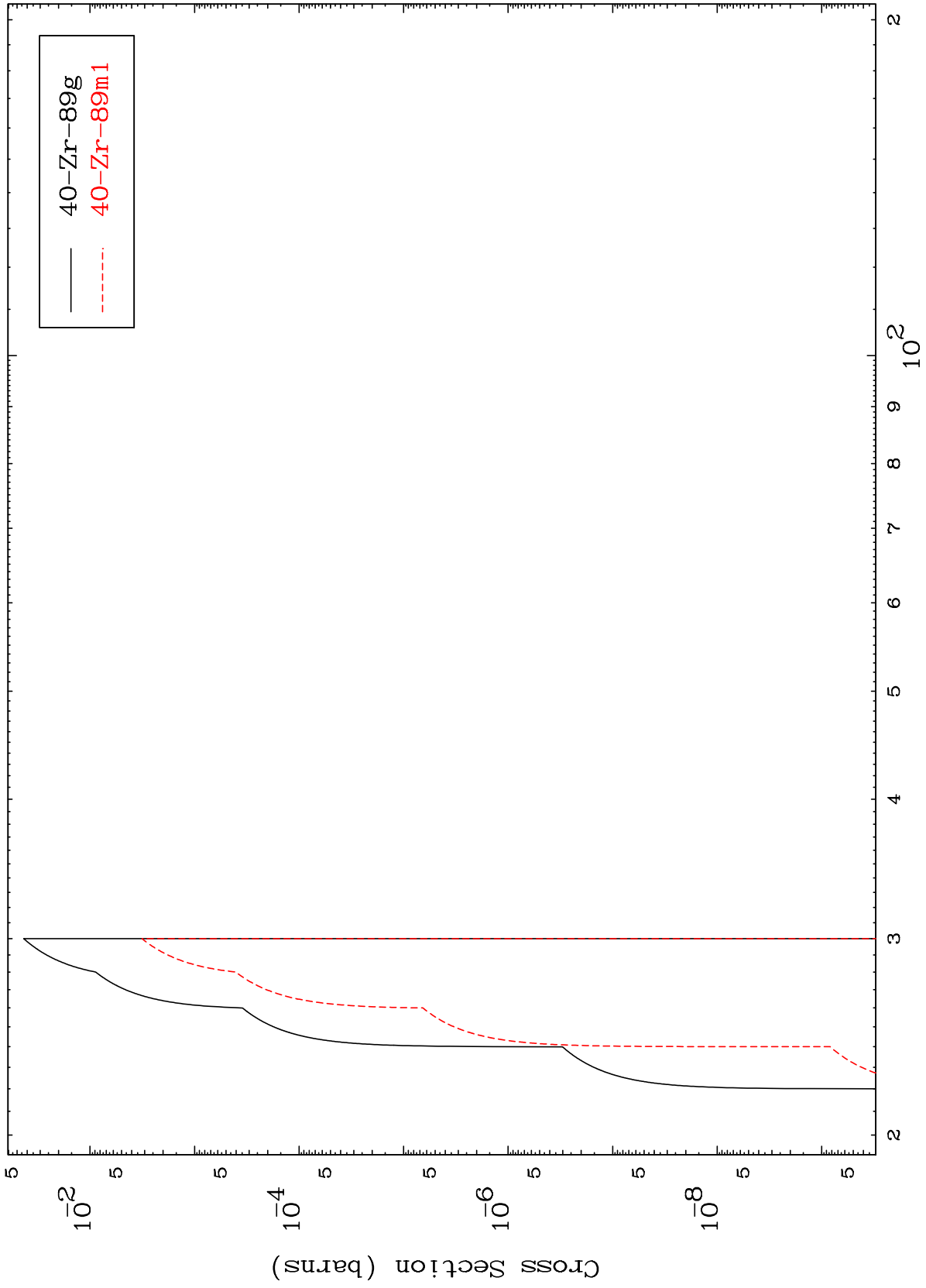
40-Zr-88

MAT 4019

( $\alpha, 2n$ ) p

40-Zr-88

Radionuclide Production Cross Section



16

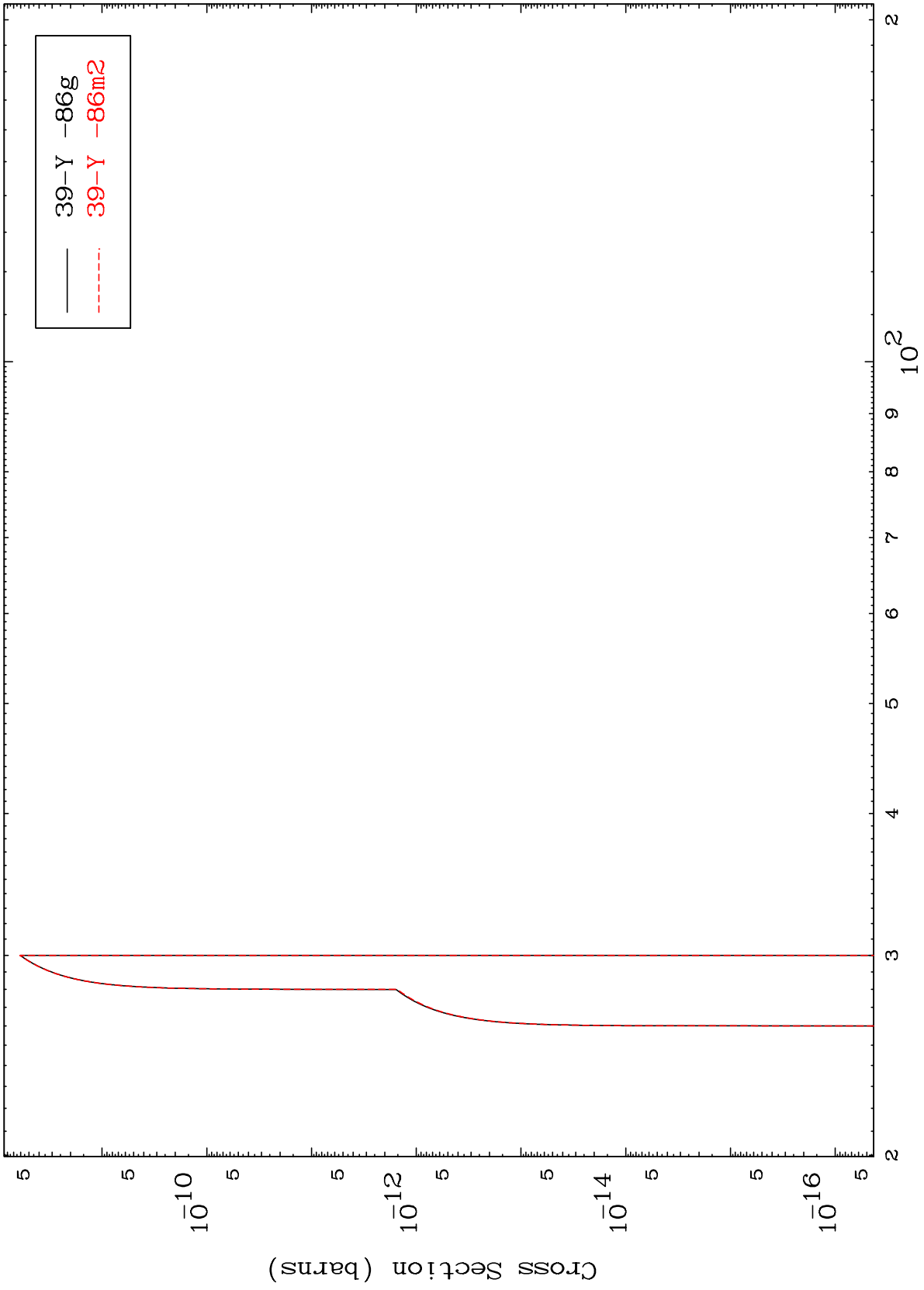
Incident Energy (MeV)

40-Zr-88

MAT 4019

40-Zr-88

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



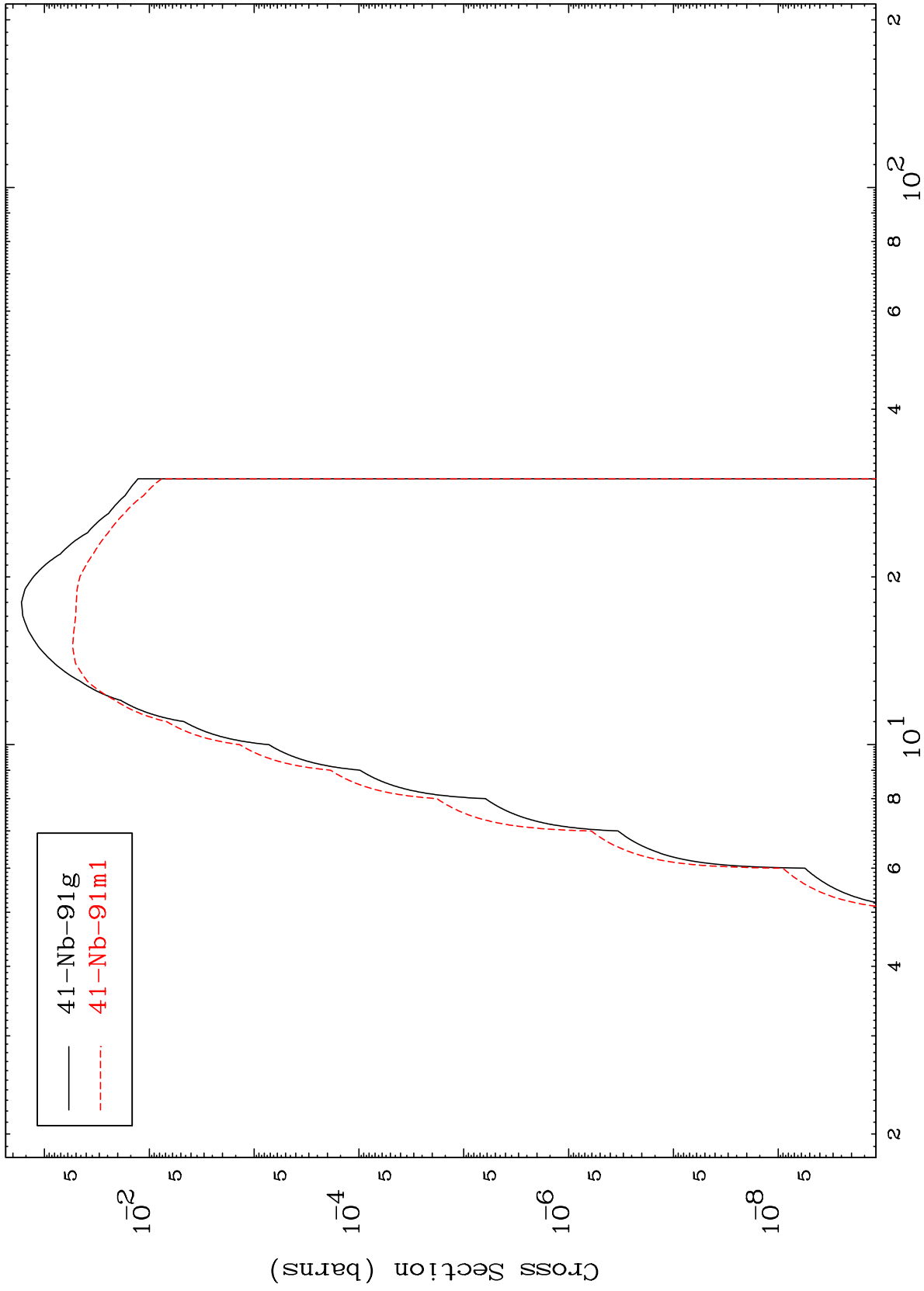
17

40-Zr-88

MAT 4019

40-Zr-88

Radionuclide Production Cross Section



41-Nb-91g  
41-Nb-91m1

18

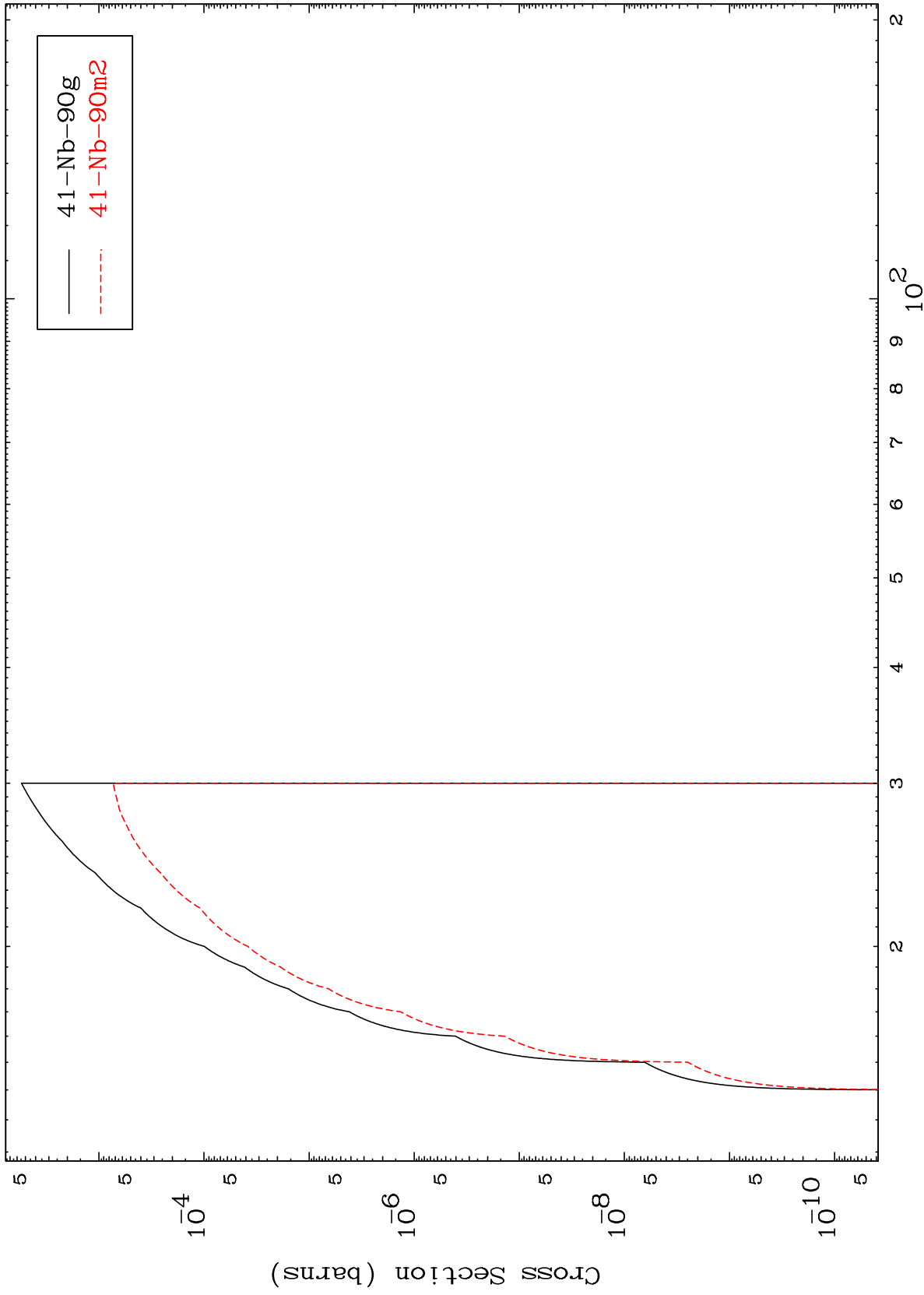
40-Zr-88

MAT 4019

( $\alpha, d$ )

40-Zr-88

Radionuclide Production Cross Section



19

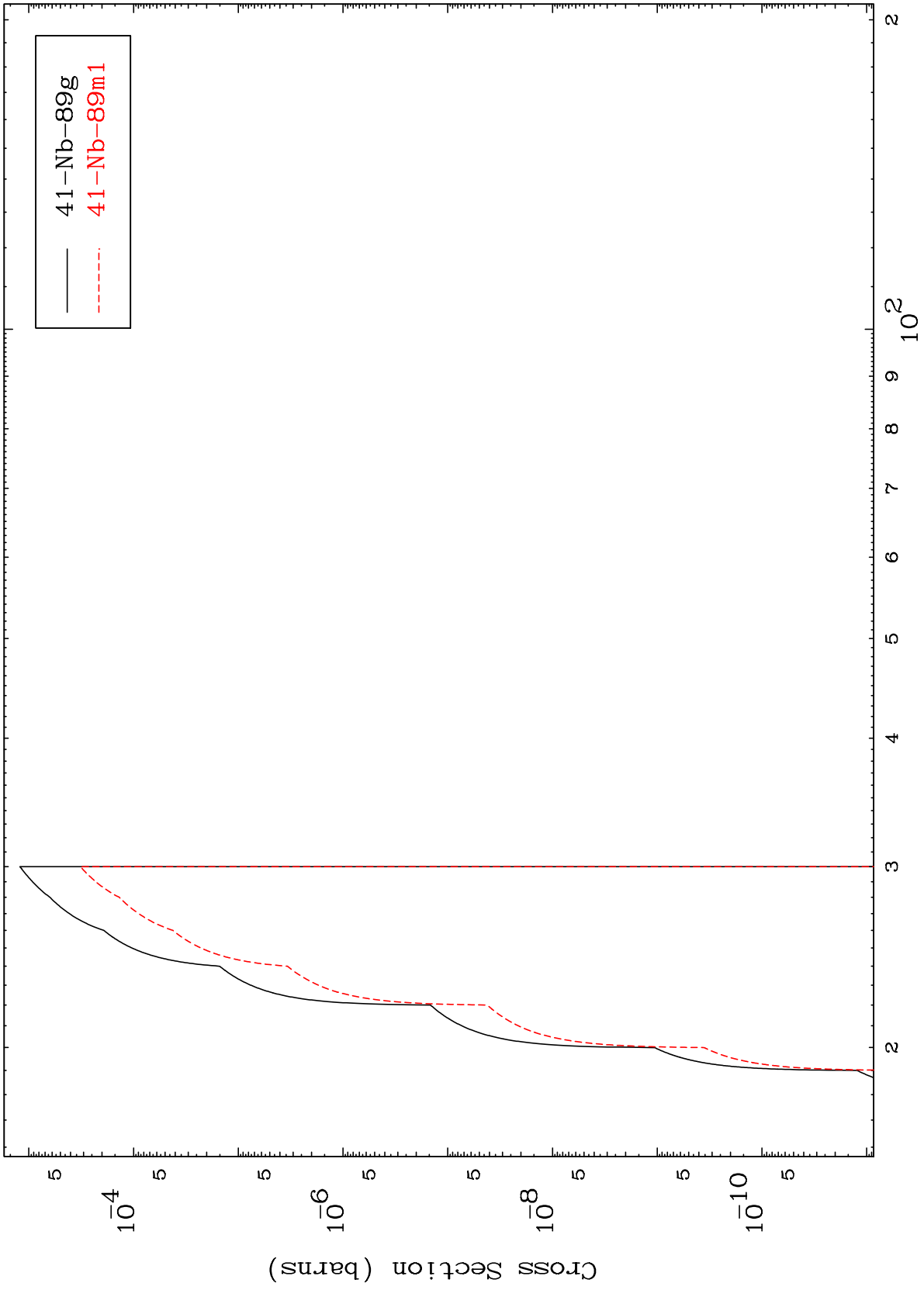
Incident Energy (MeV)

40-Zr-88

MAT 4019

40-Zr-88

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



20

Incident Energy (MeV)

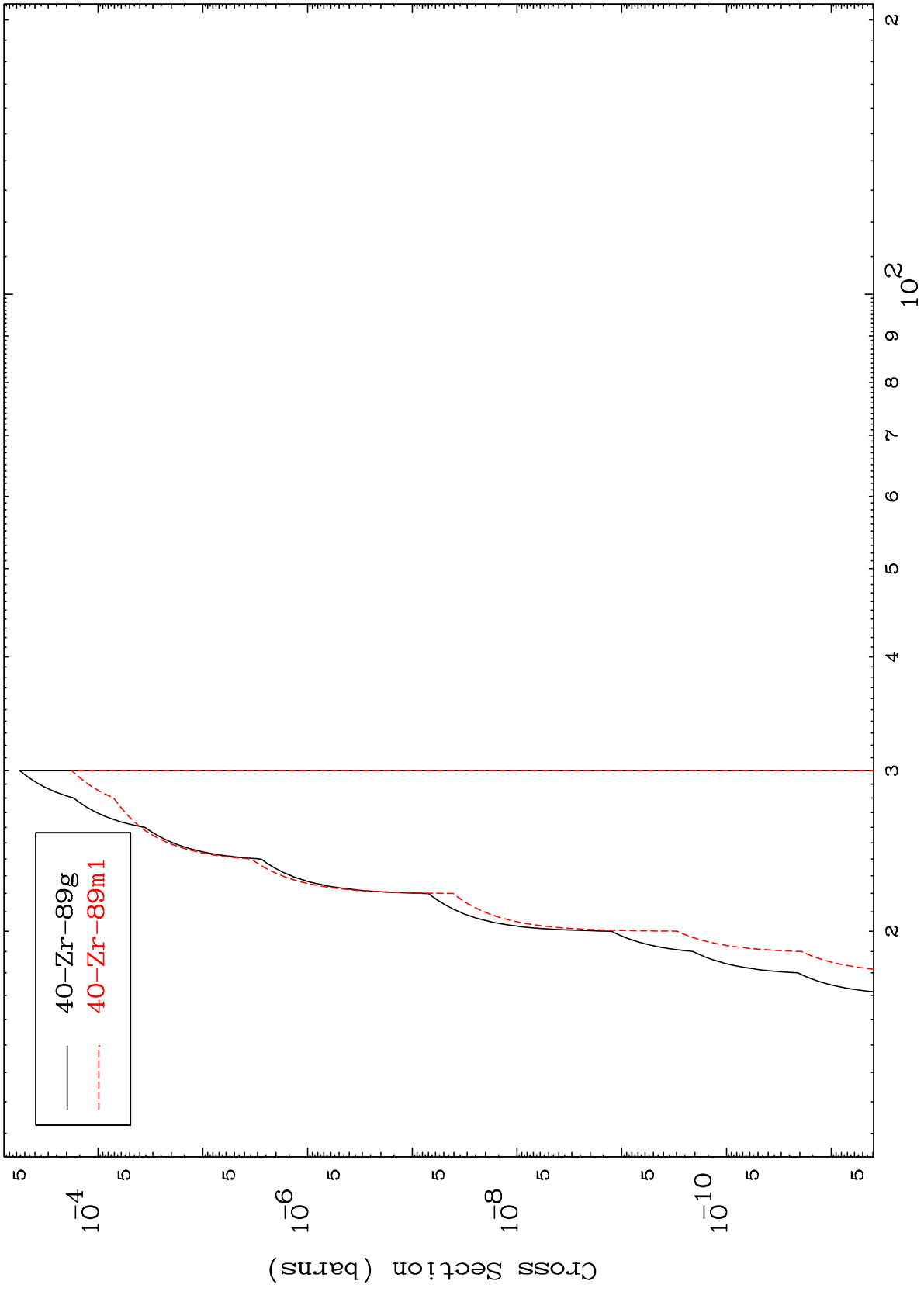
40-Zr-88

MAT 4019

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

40-Zr-88

Radionuclide Production Cross Section



21

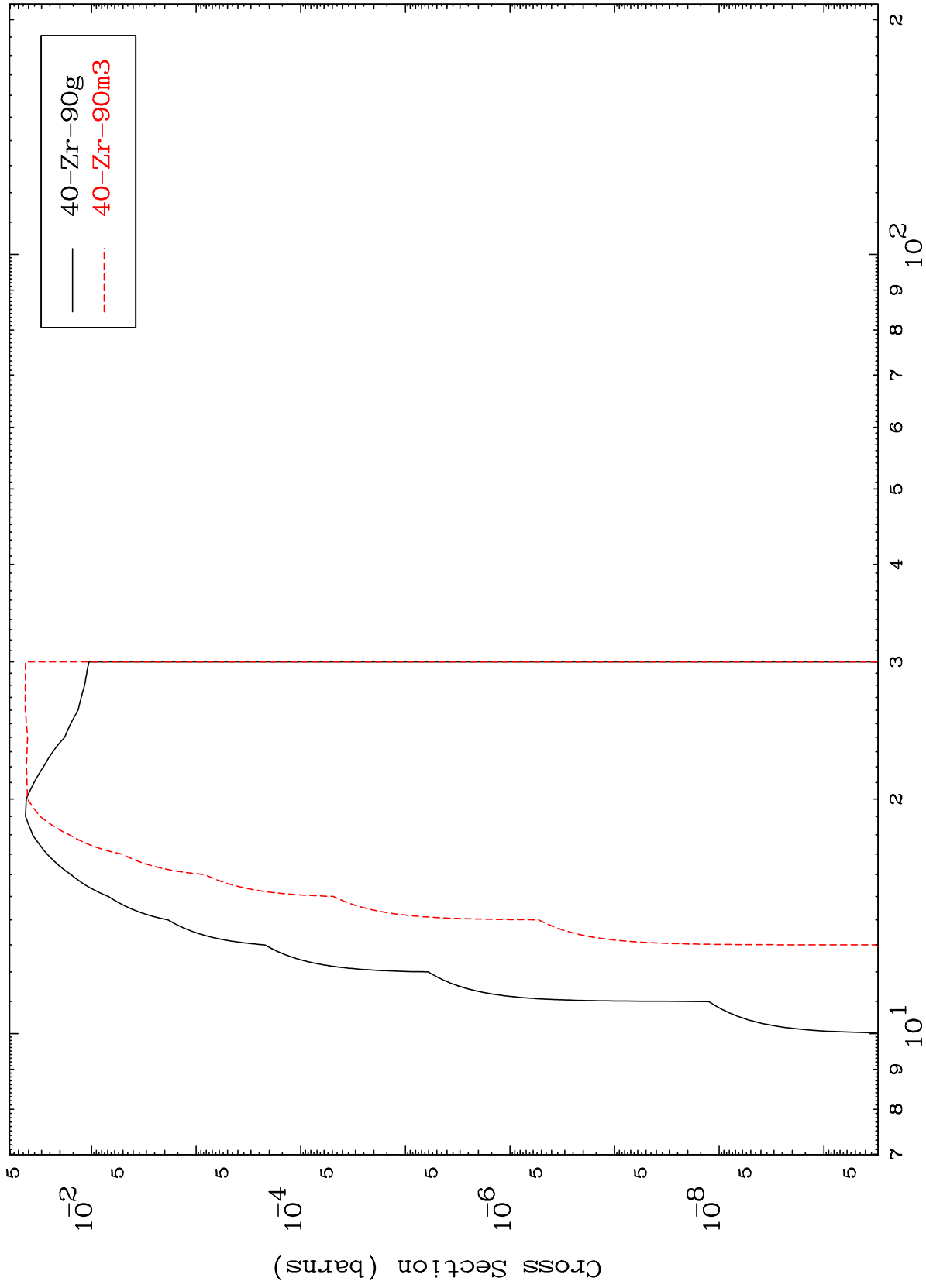
Incident Energy (MeV)

40-Zr-88

MAT 4019

40-Zr-88

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



22

Incident Energy (MeV)

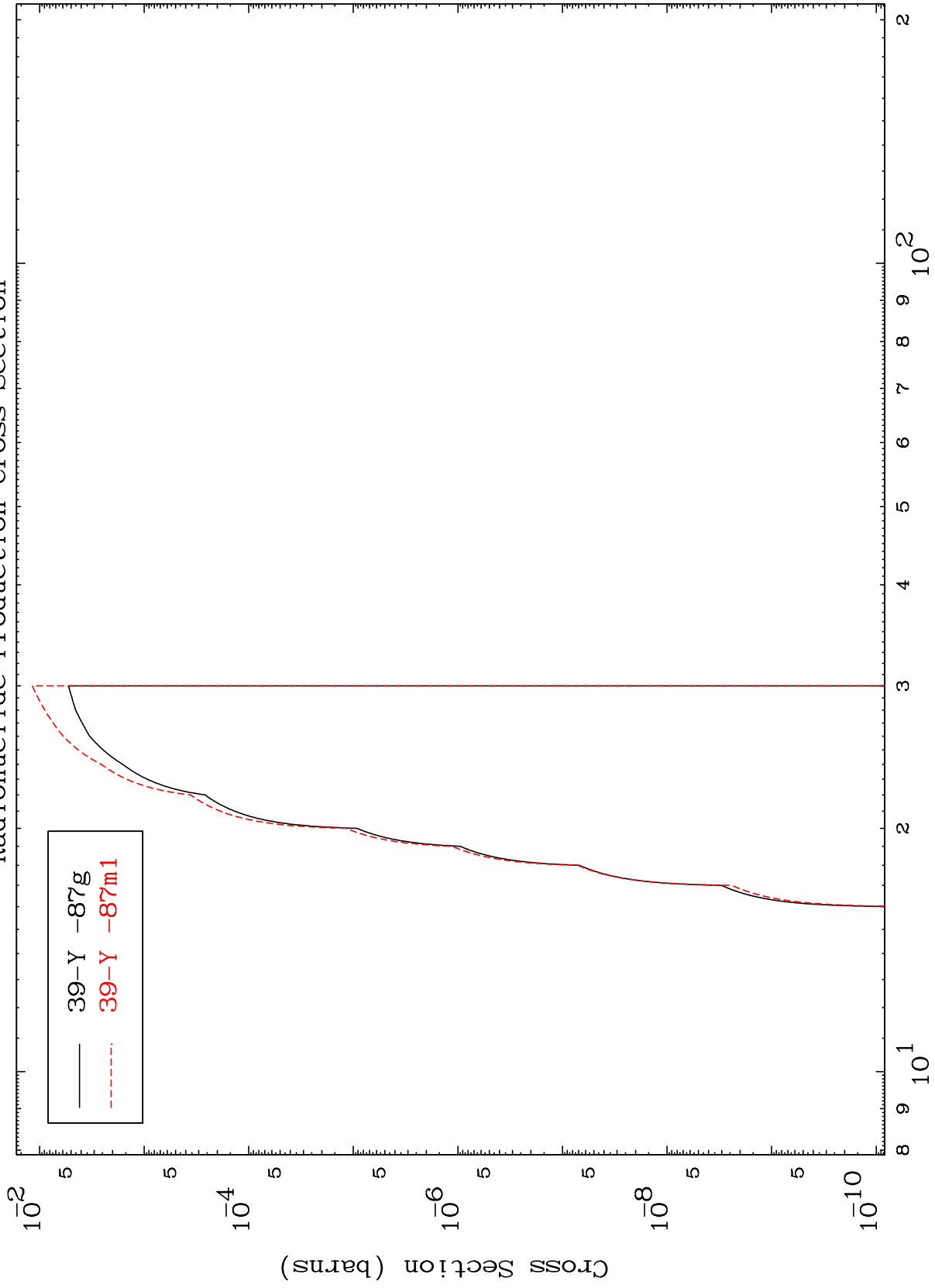
40-Zr-88

MAT 4019

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

40-Zr-88

Radionuclide Production Cross Section



39-Y -87g  
39-Y -87m1

23

Incident Energy (MeV)

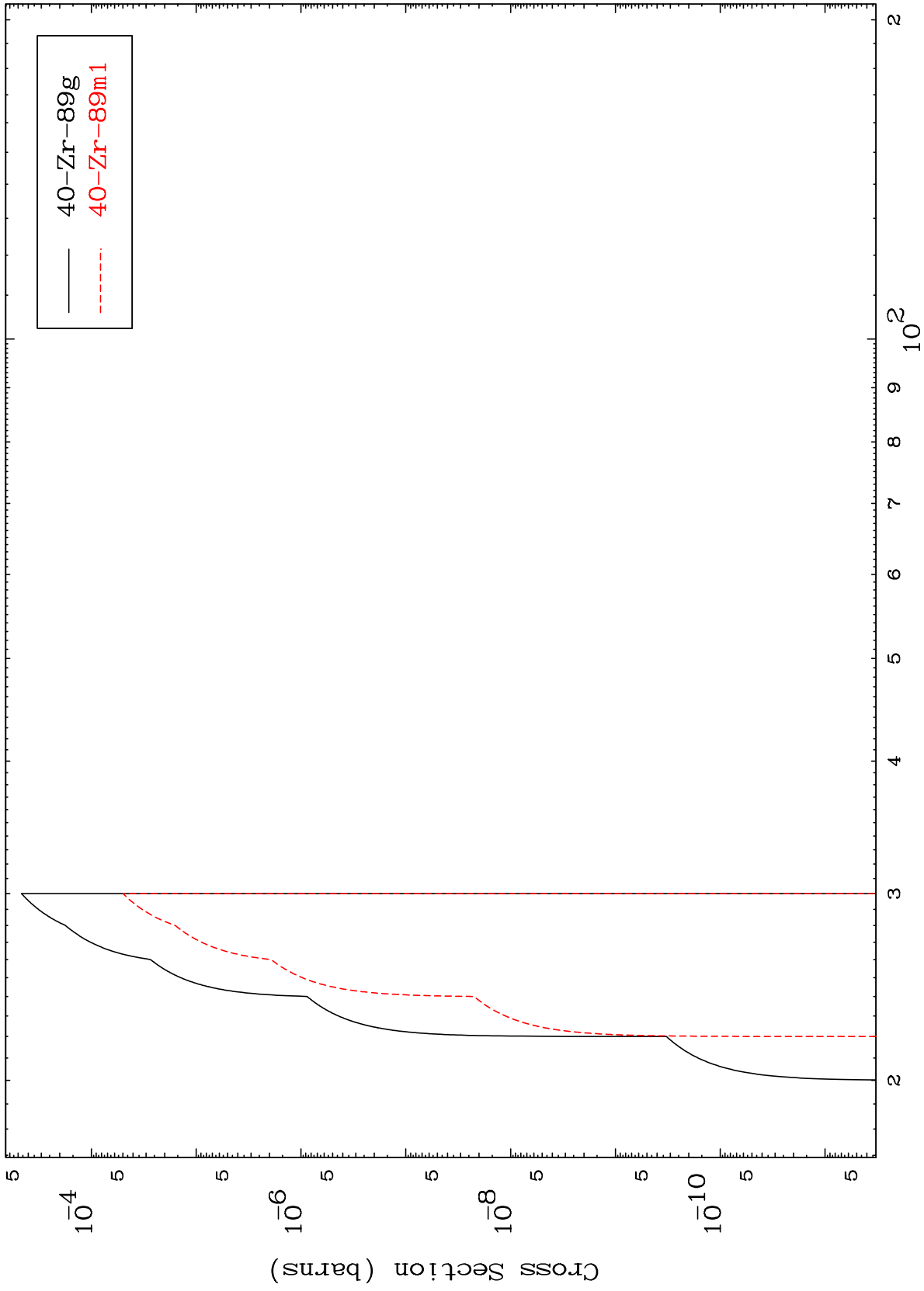
40-Zr-88

MAT 4019

( $\alpha, p$ ) d

40-Zr-88

Radionuclide Production Cross Section



24

Incident Energy (MeV)

40-Zr-88