

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

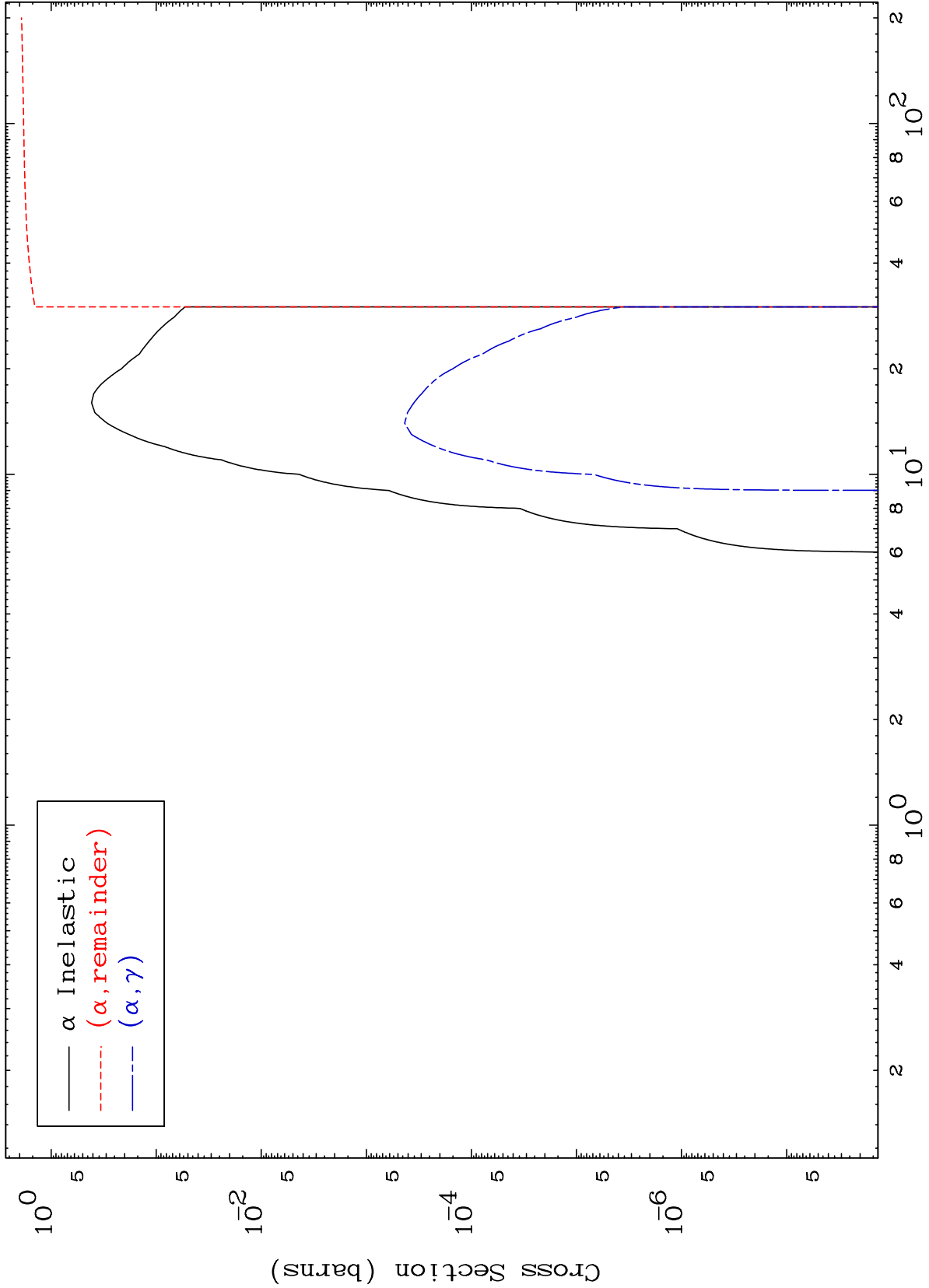
Press Mouse Button to Start

MAT 4022

α Major

40-Zr-89

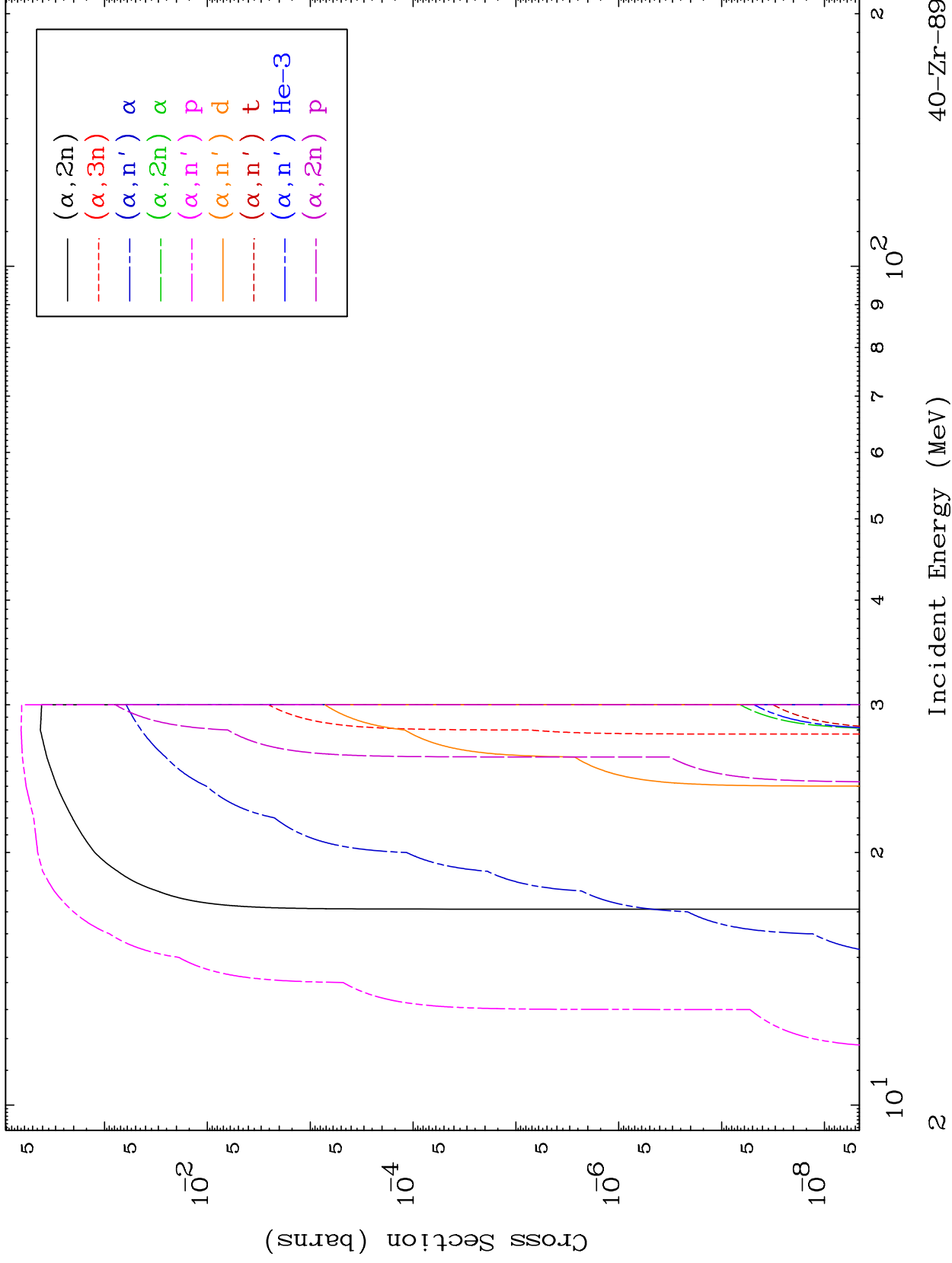
0 Kelvin Cross Sections

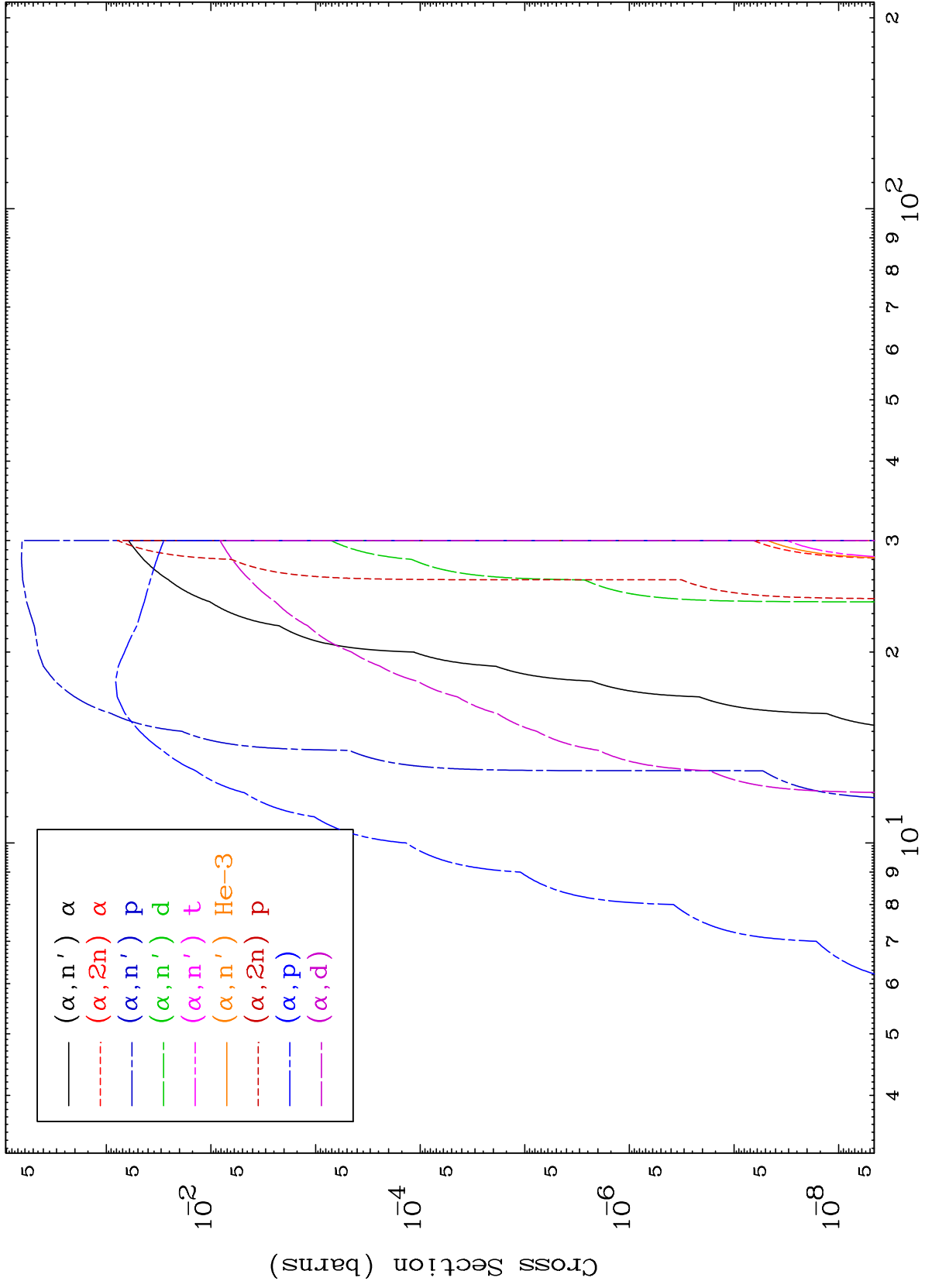


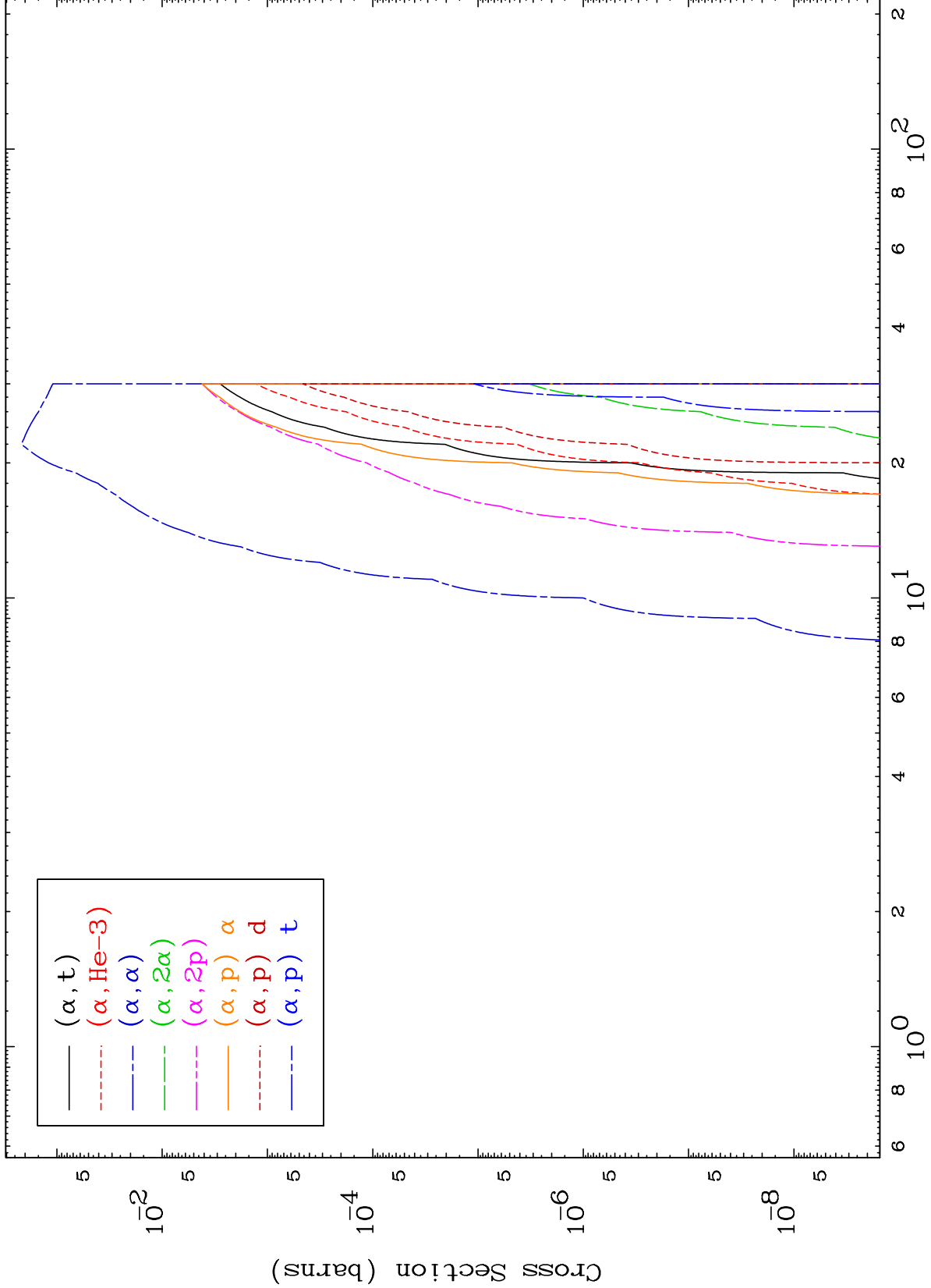
MAT 4022

α Neutron Production
0 Kelvin Cross Sections

40-Zr-89





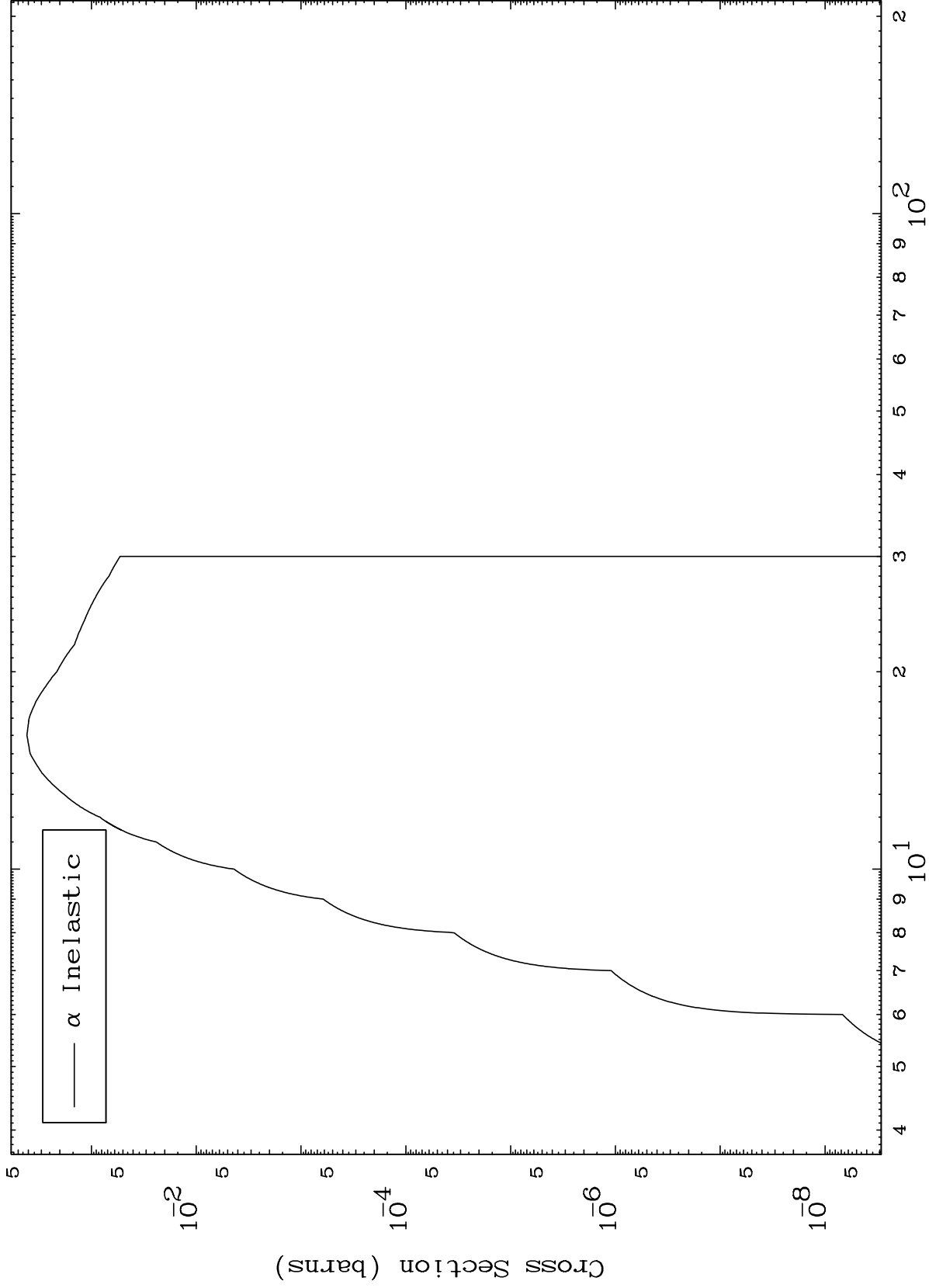


MAT 4022

(α, n') Level

40-Zr-89

0 Kelvin Cross Sections



Incident Energy (MeV)

40-Zr-89

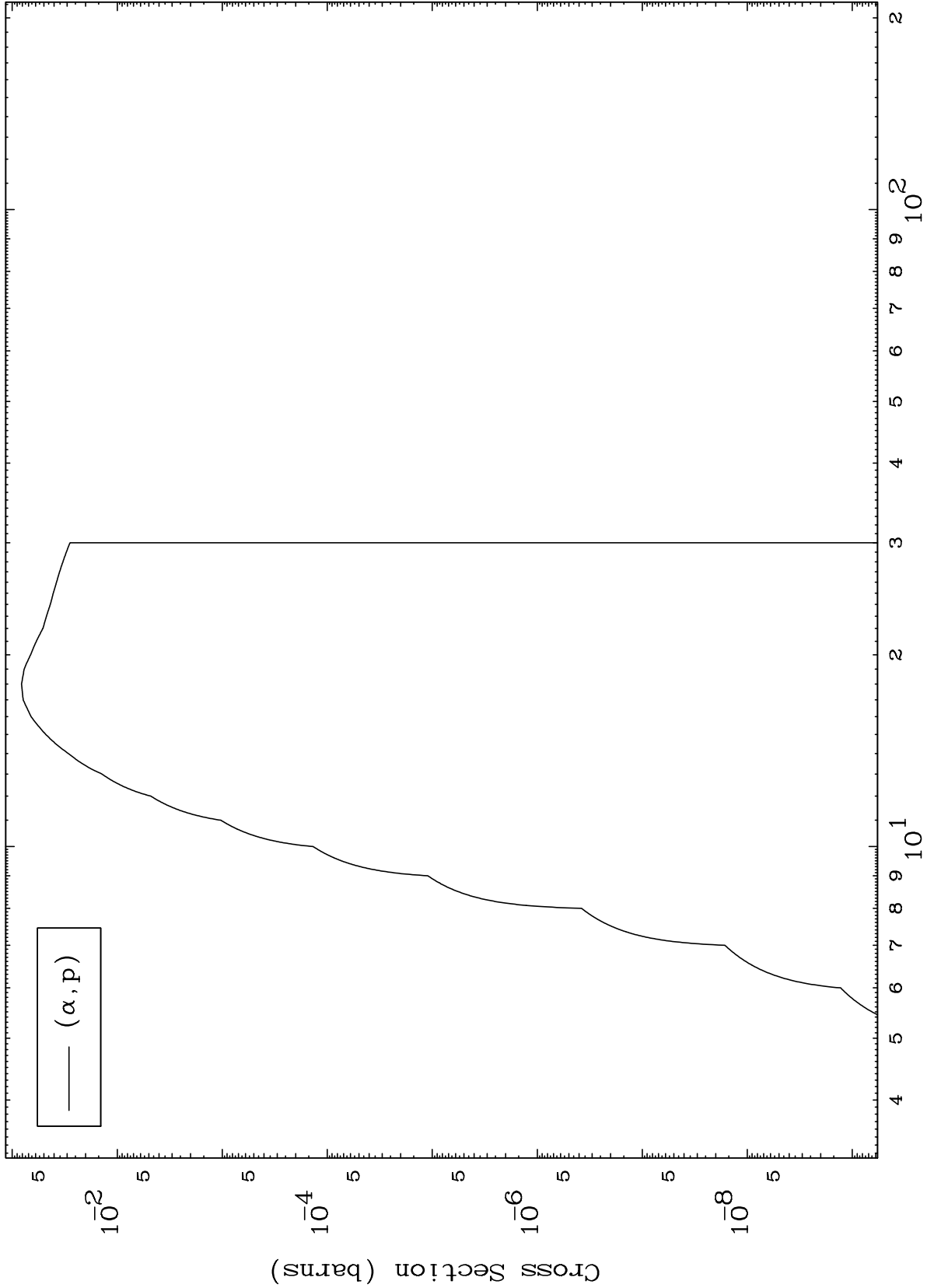
5

MAT 4022

(α, p) Levels

40-Zr-89

0 Kelvin Cross Sections



6

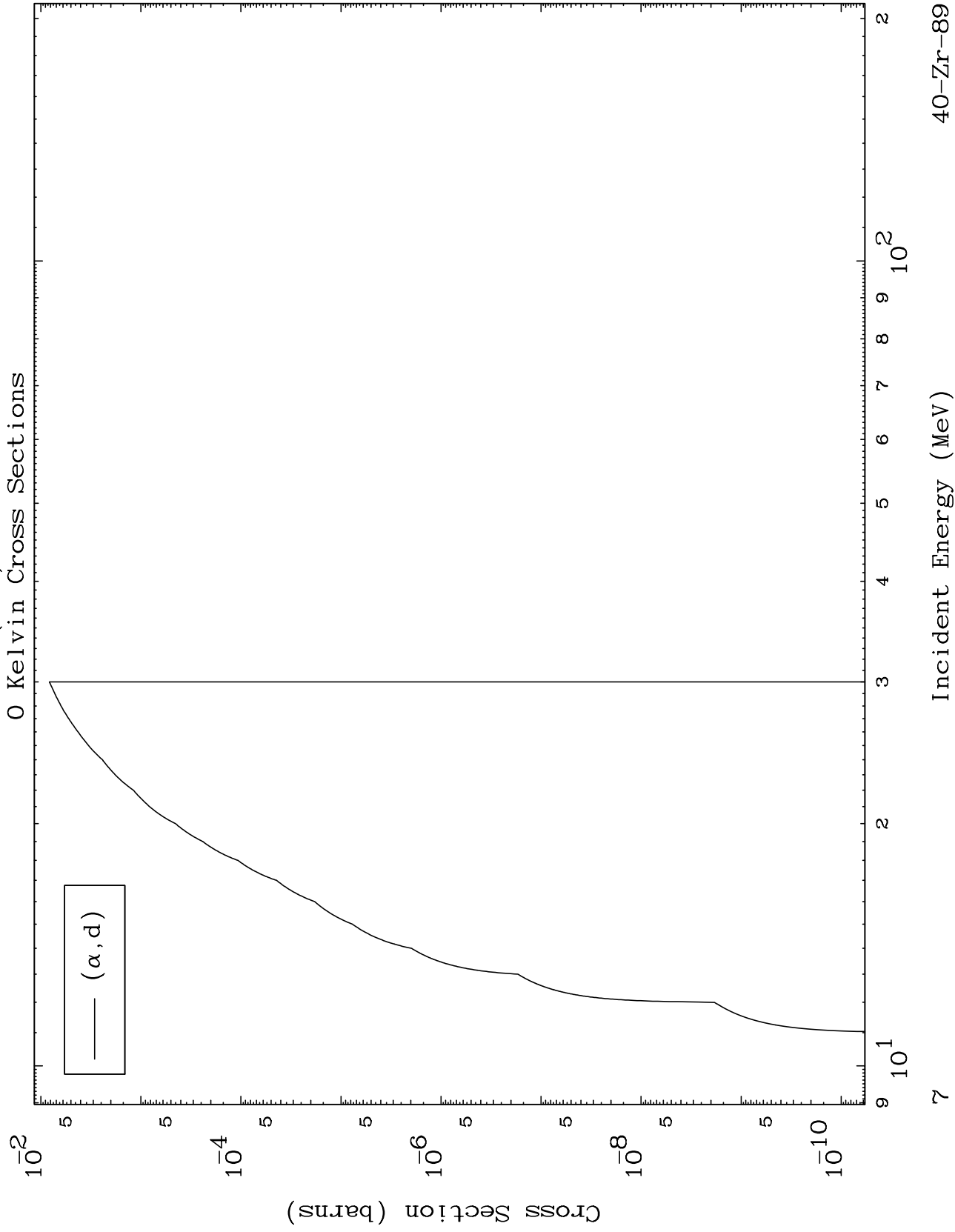
Incident Energy (MeV)

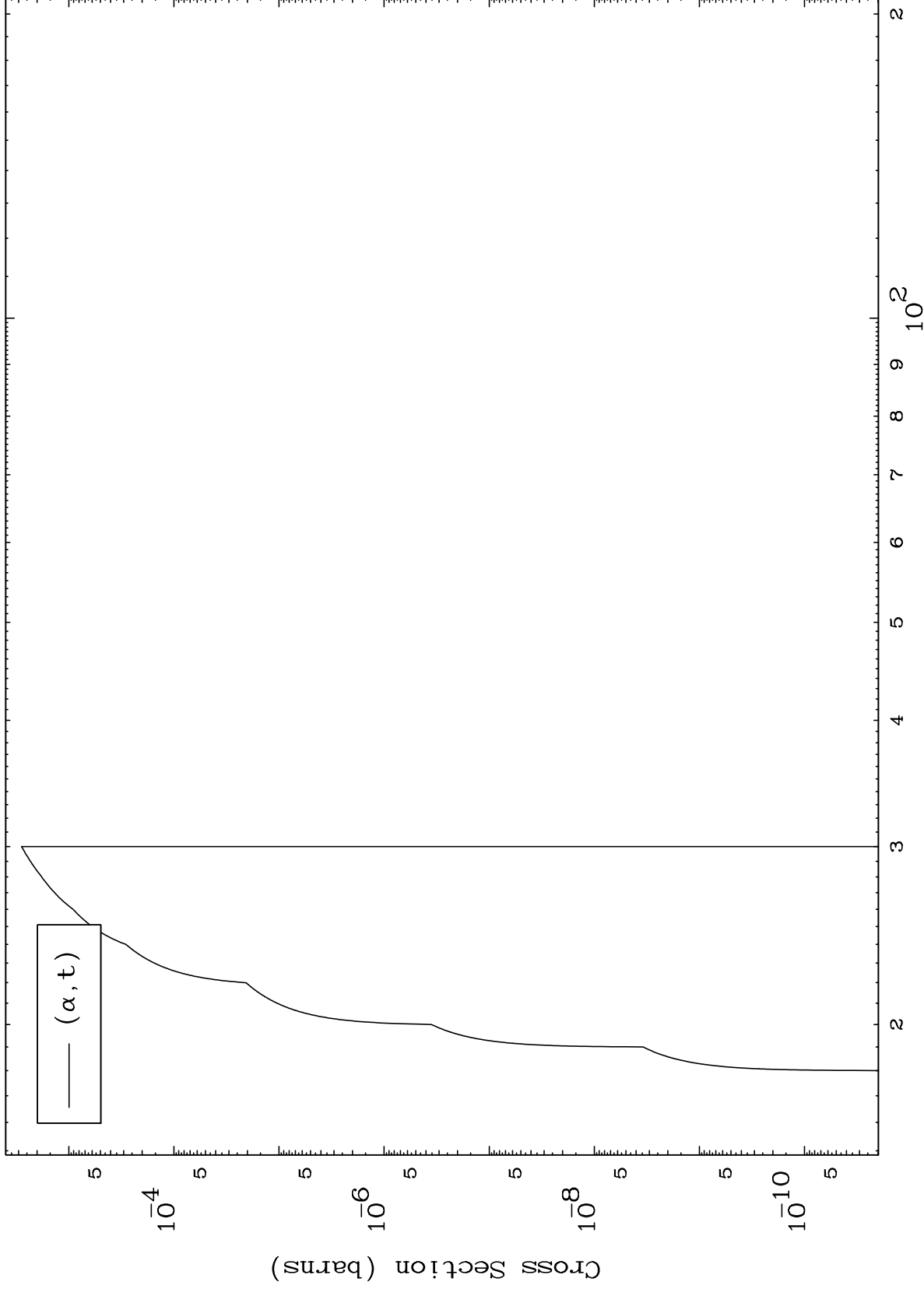
40-Zr-89

MAT 4022

(α, d) Levels

40-Zr-89

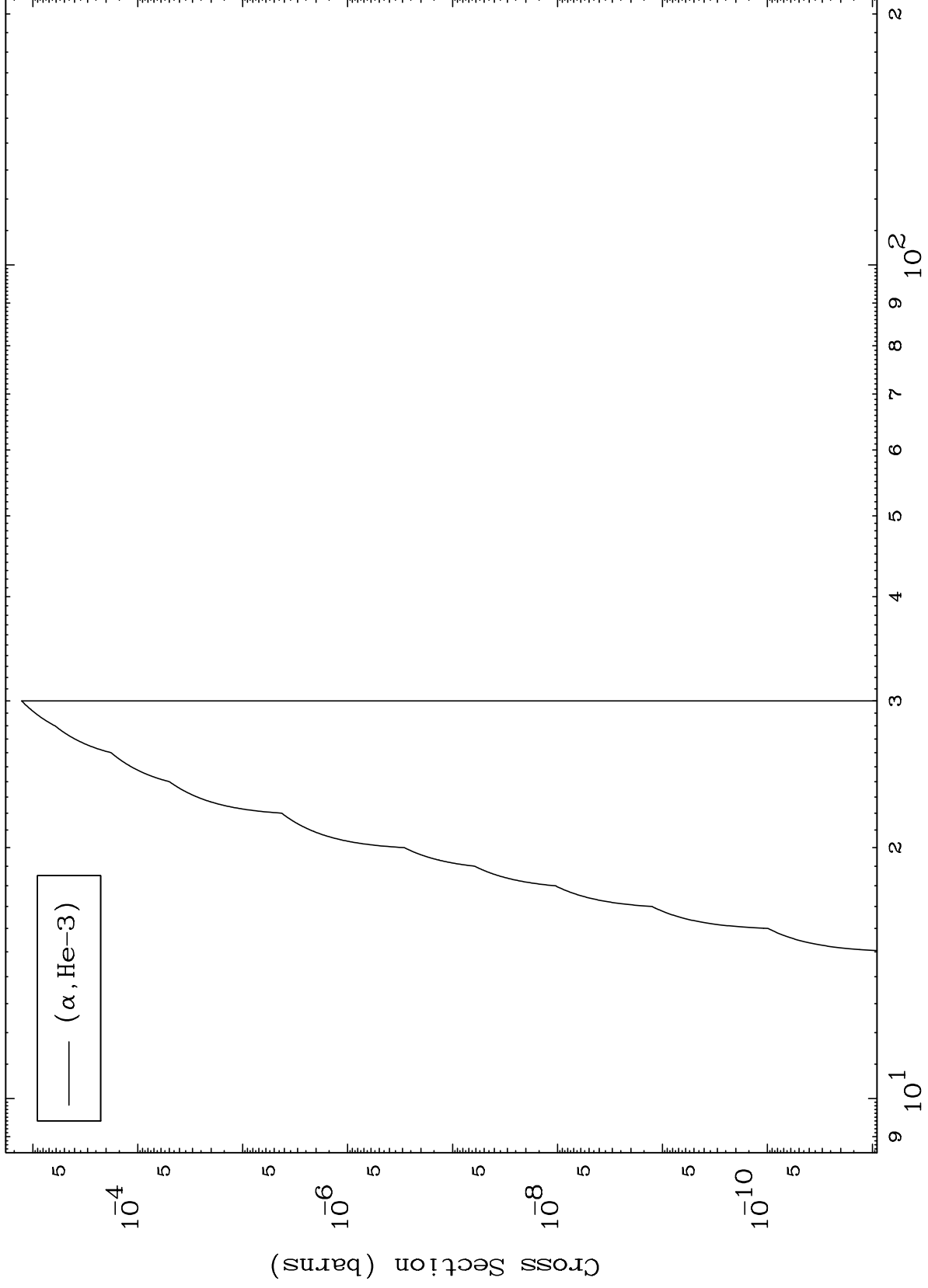




MAT 4022

(α , He3) Levels
0 Kelvin Cross Sections

40-Zr-89



9

Incident Energy (MeV)

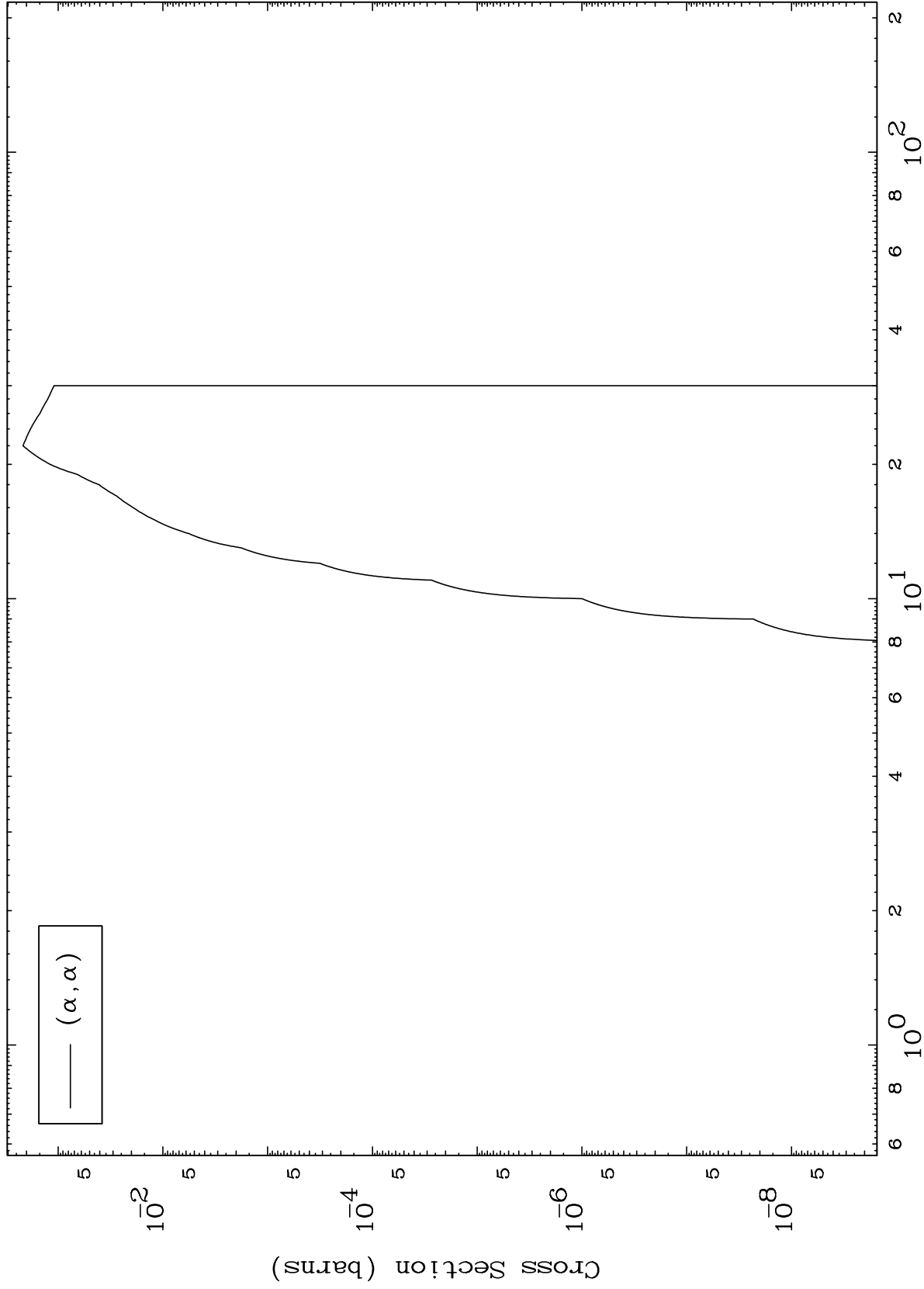
40-Zr-89

MAT 4022

(α, α) Levels

40-Zr-89

0 Kelvin Cross Sections

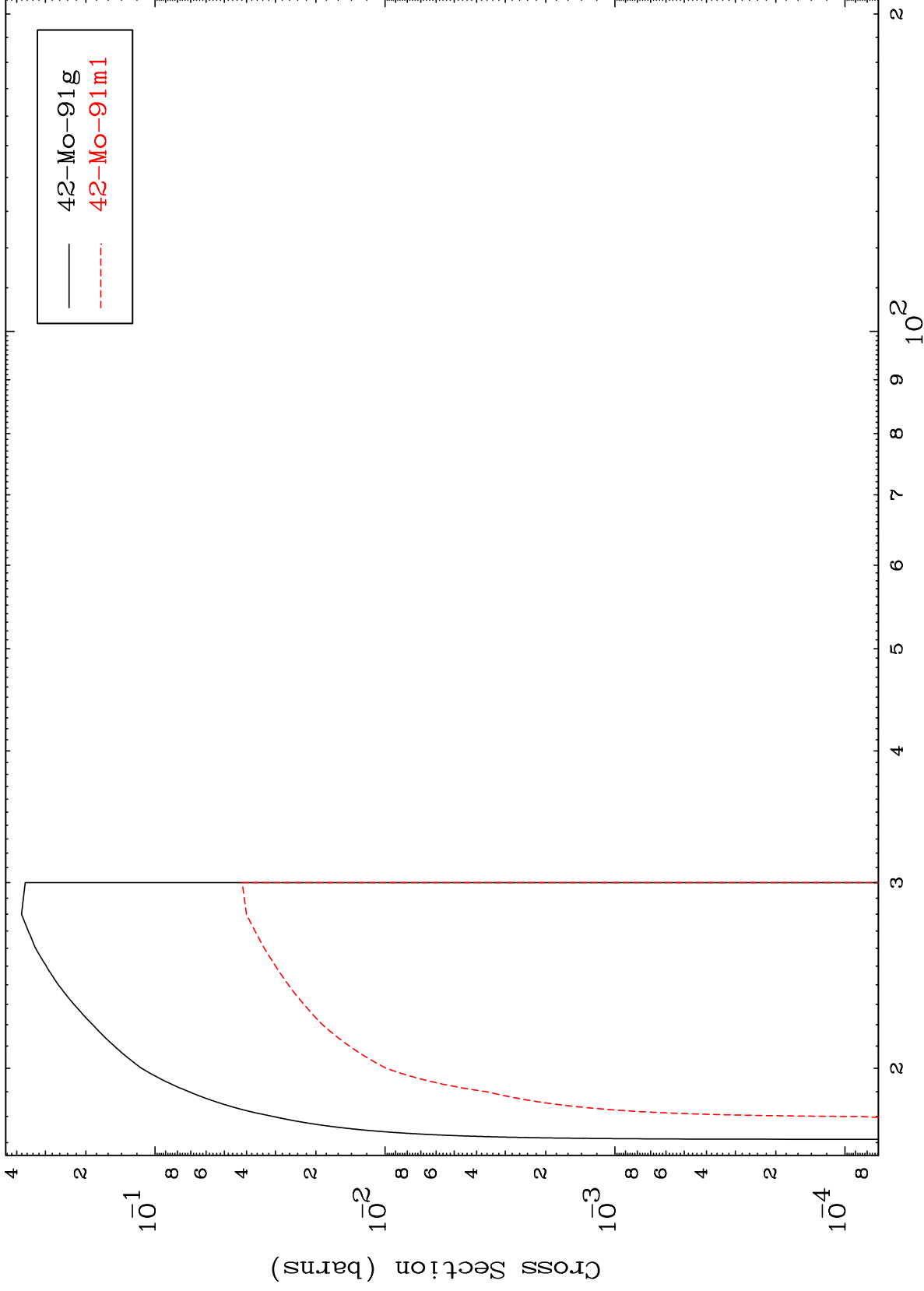


Incident Energy (MeV)

40-Zr-89

10

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

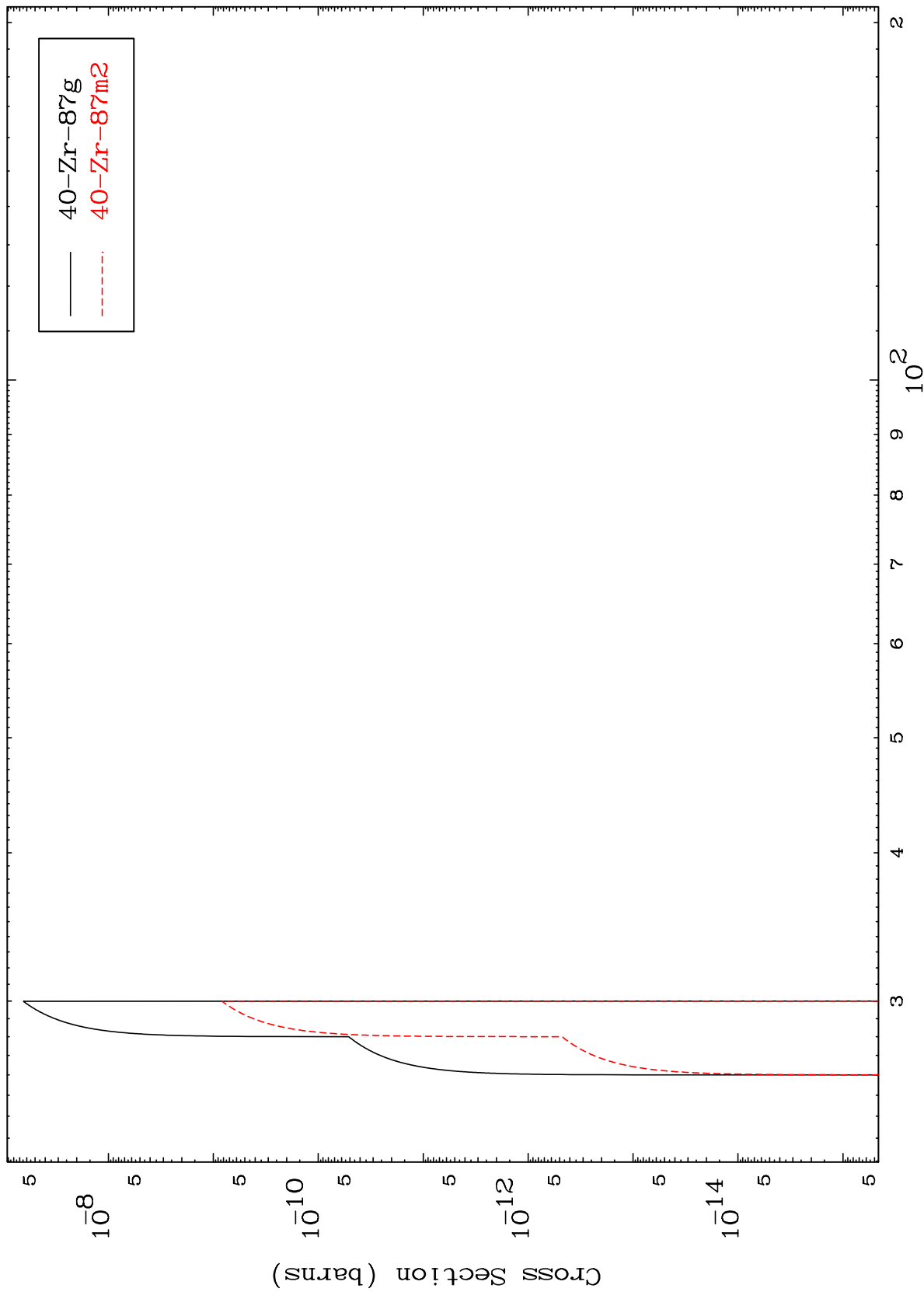


MAT 4022

($\alpha, 2n$) α

40-Zr-89

Radionuclide Production Cross Section

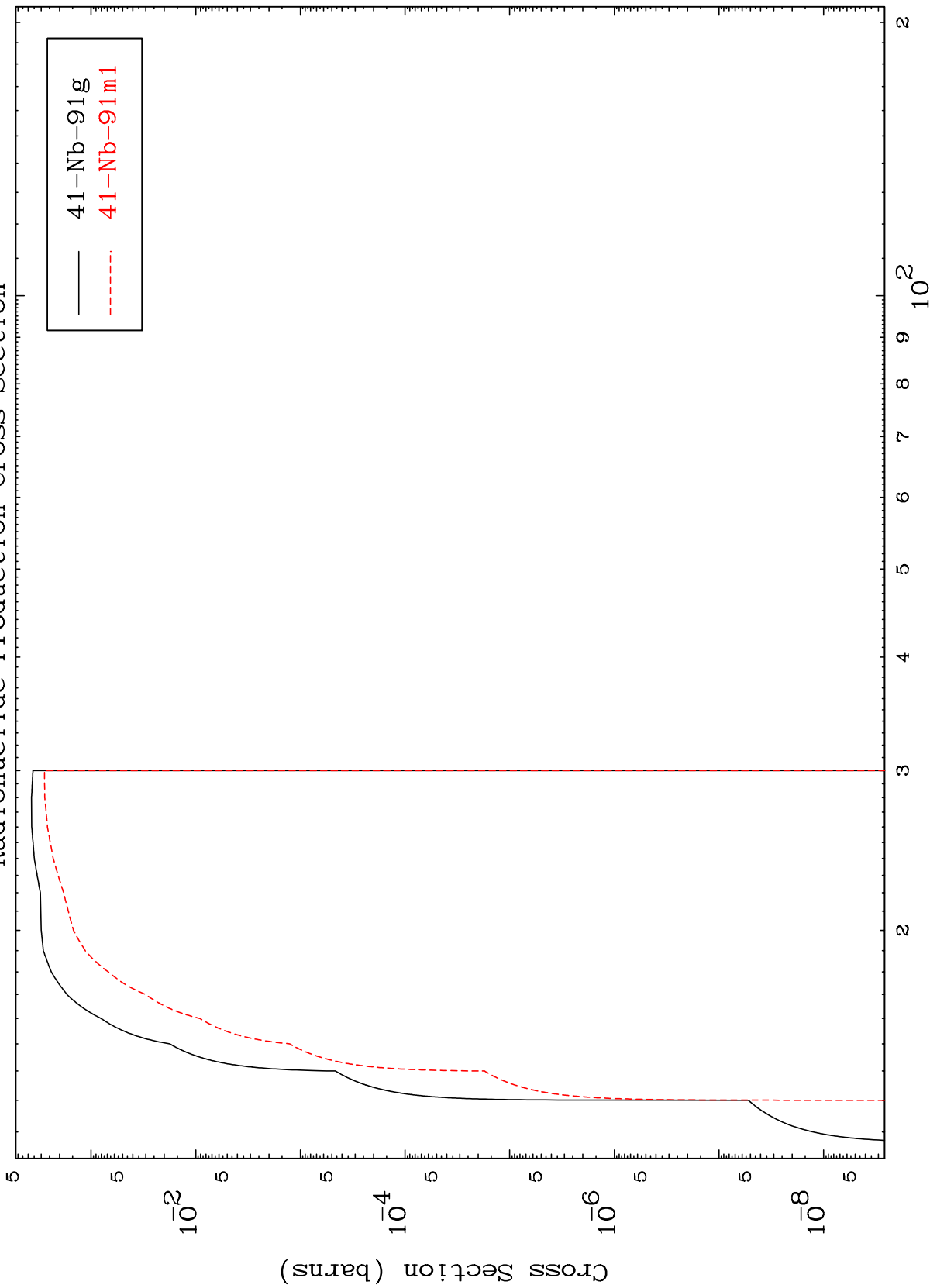


12

Incident Energy (MeV)

40-Zr-89

Radionuclide Production Cross Section

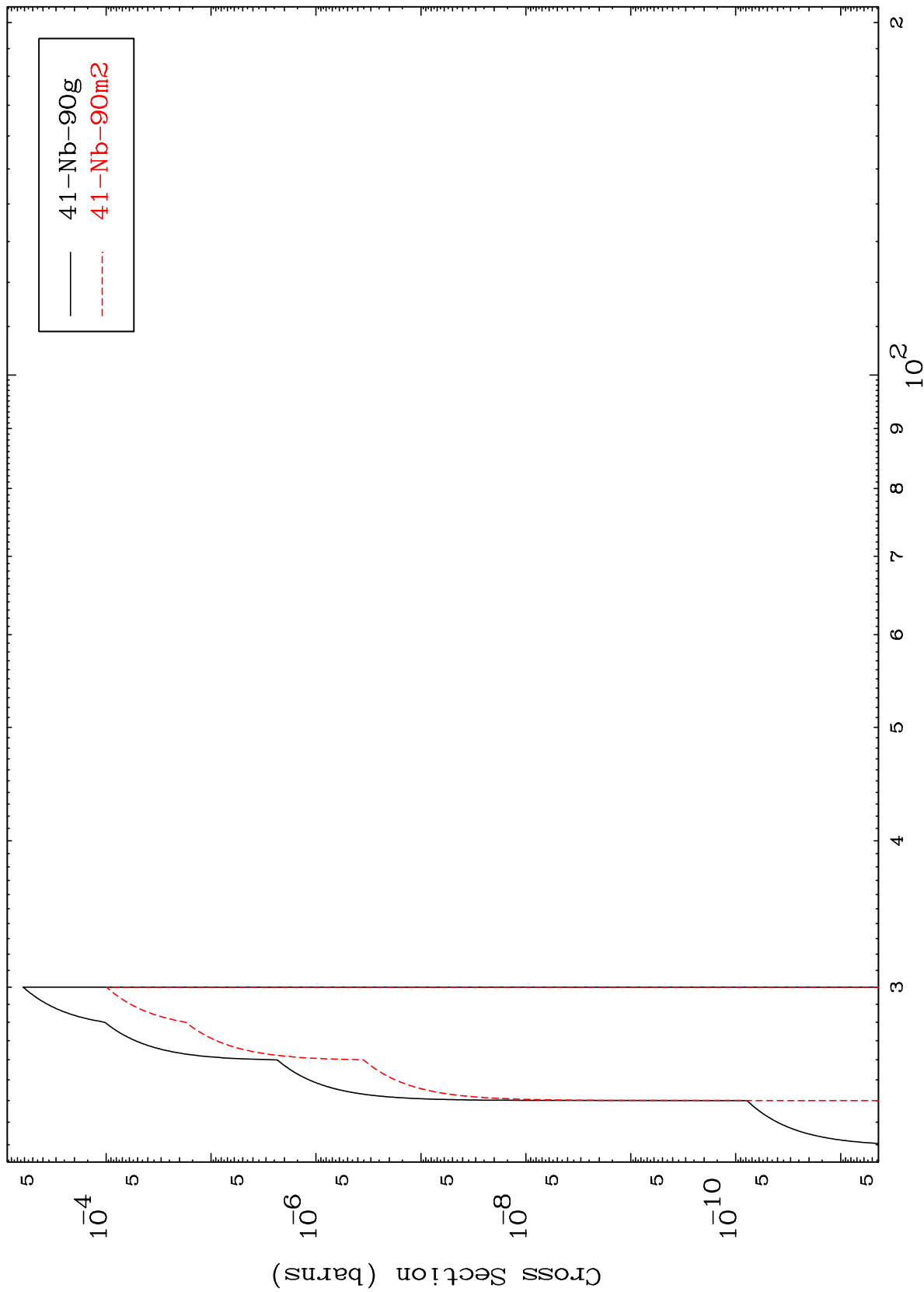


MAT 4022

(α, n') d

40-Zr-89

Radionuclide Production Cross Section



14

Incident Energy (MeV)

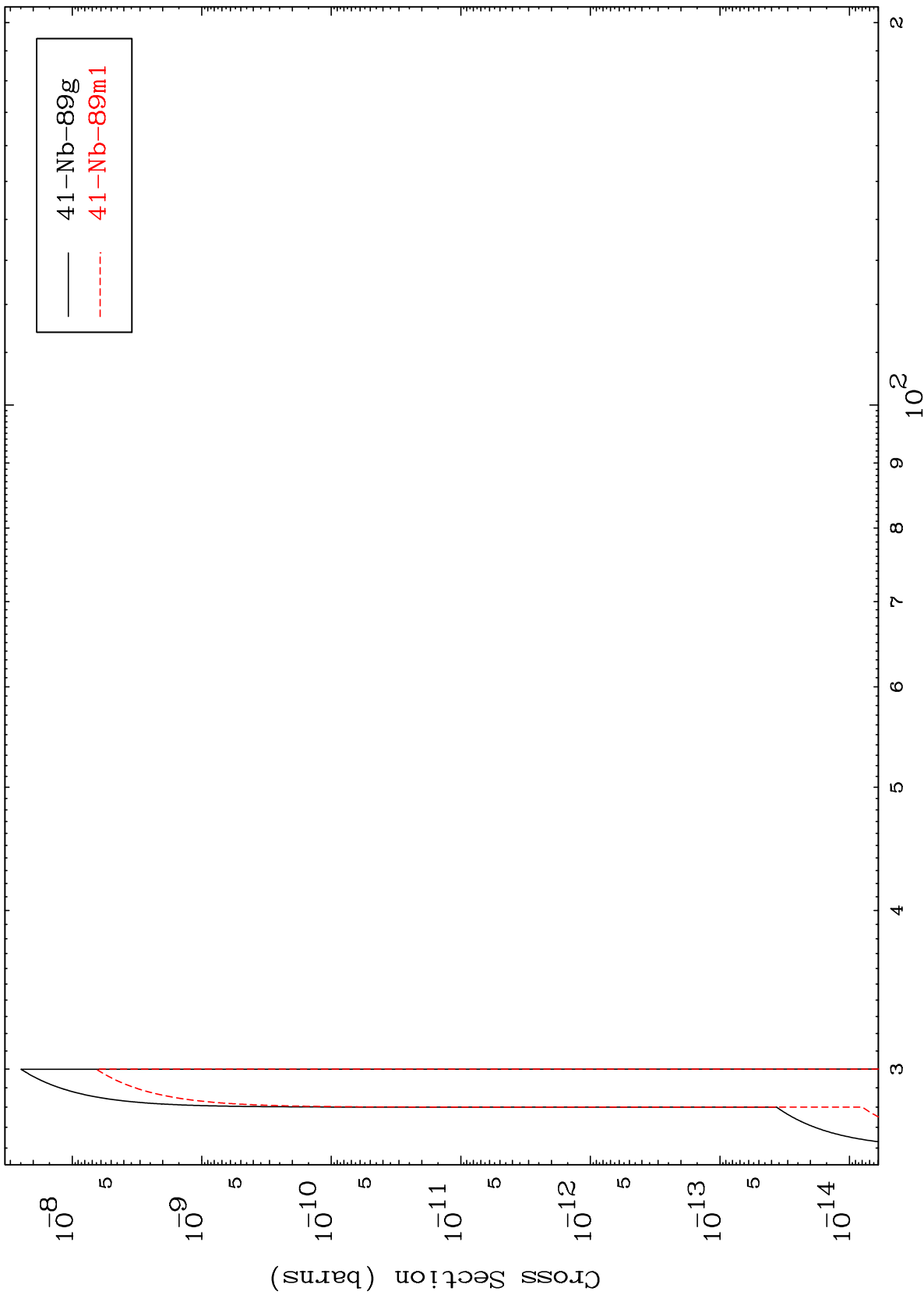
40-Zr-89

MAT 4022

(α, n') t

40-Zr-89

Radionuclide Production Cross Section

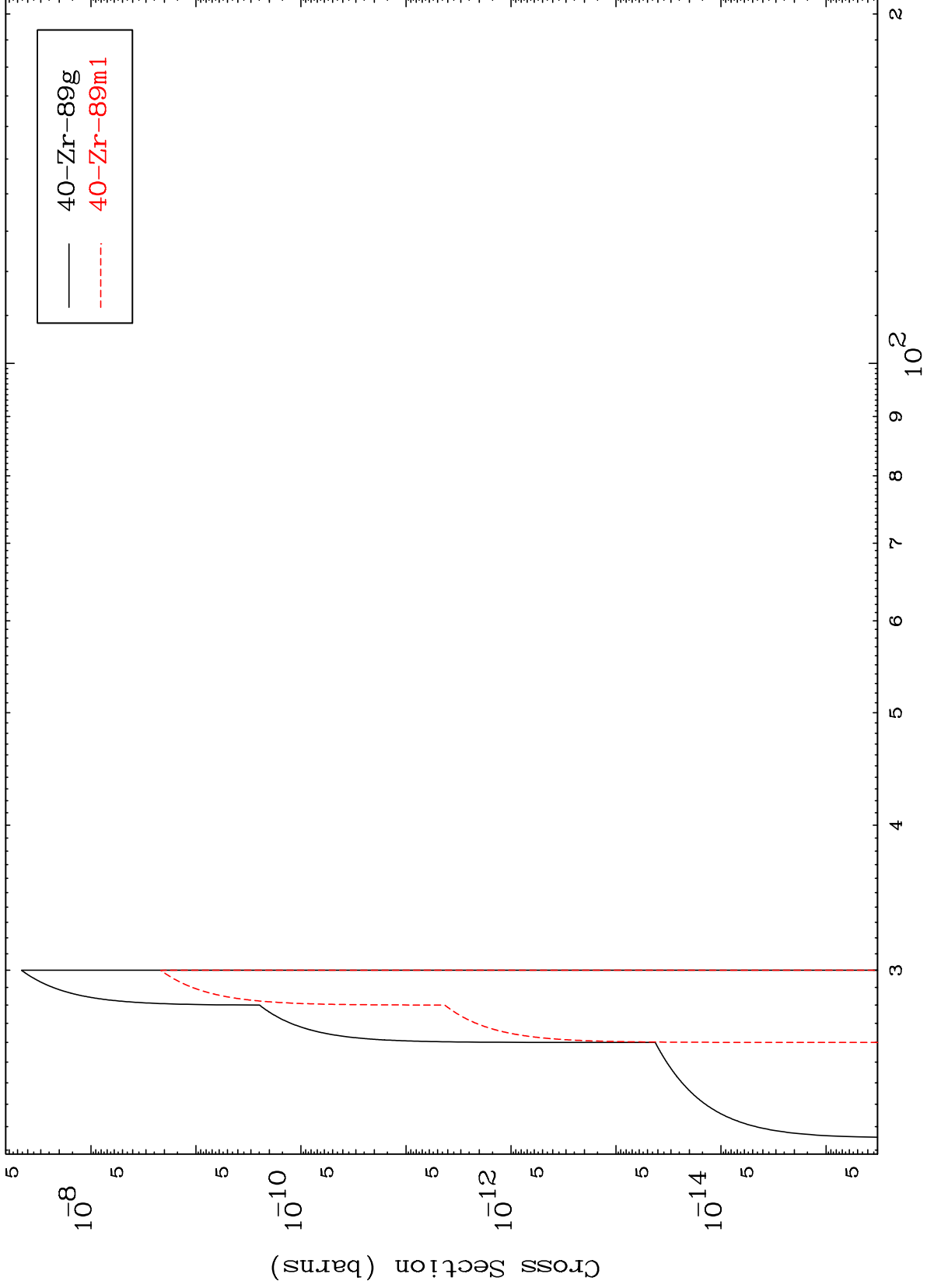


15

Incident Energy (MeV)

40-Zr-89

Radionuclide Production Cross Section

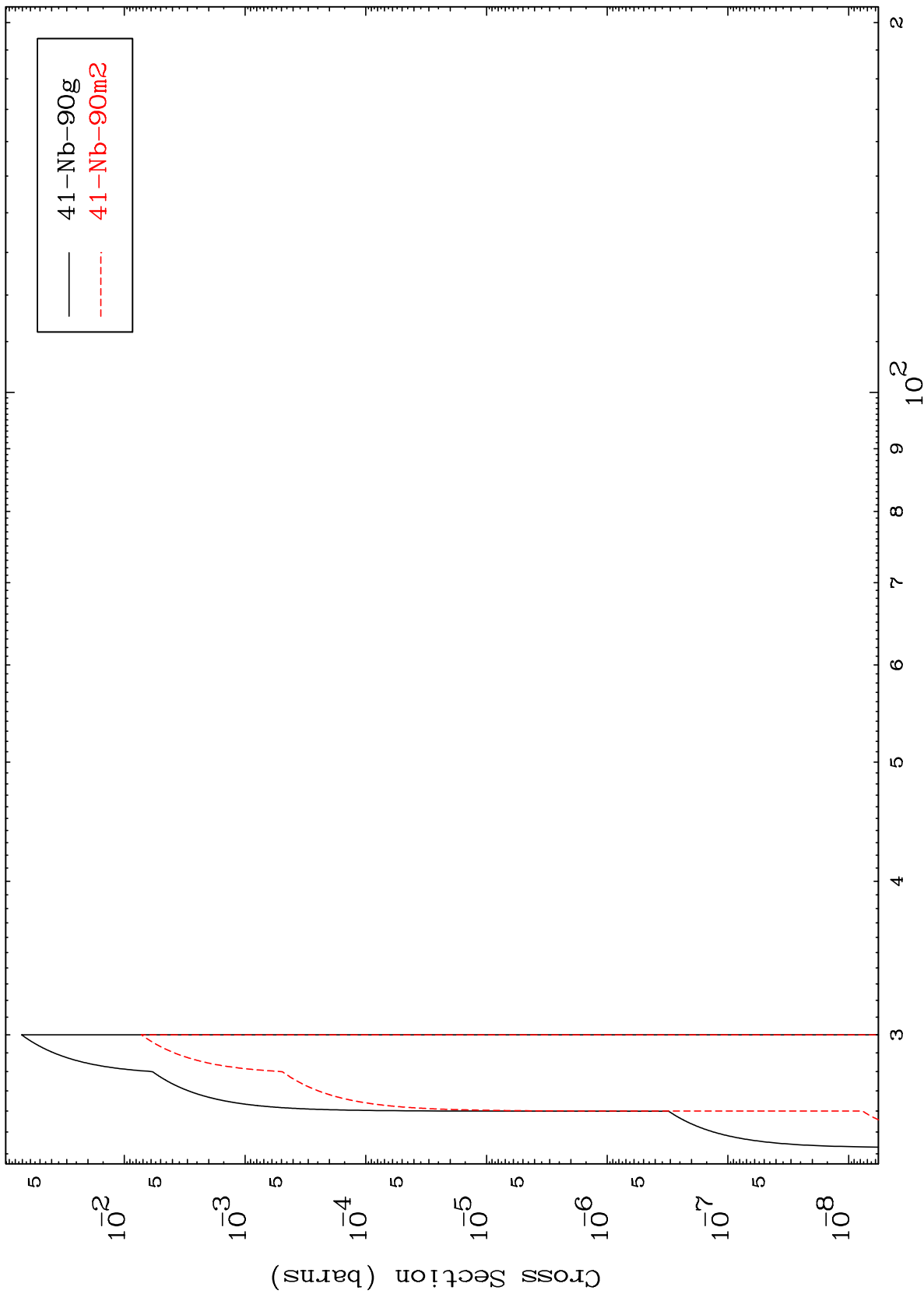


MAT 4022

($\alpha, 2n$) p

40-Zr-89

Radionuclide Production Cross Section

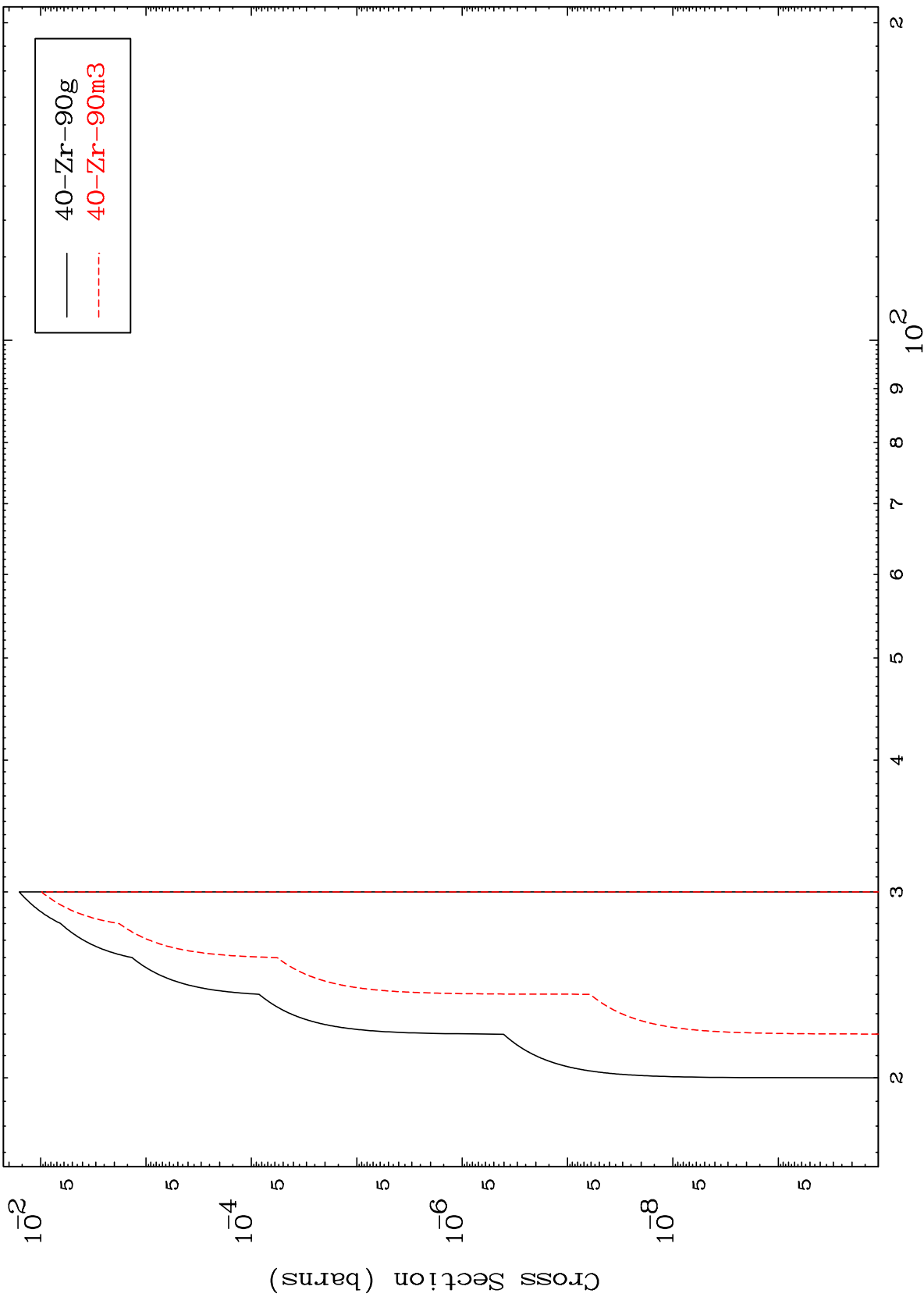


17

Incident Energy (MeV)

40-Zr-89

Radionuclide Production Cross Section

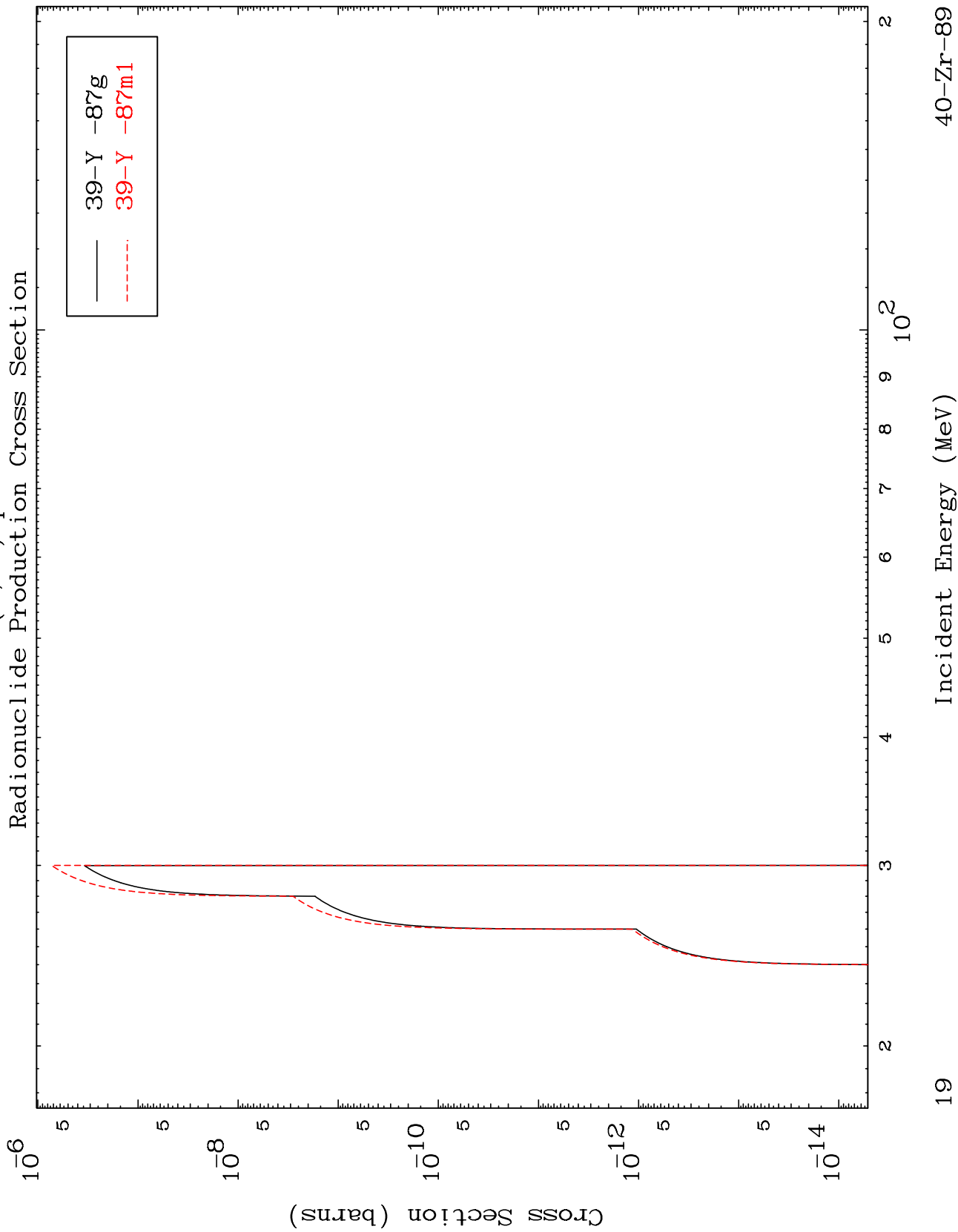


40-Zr-90g
40-Zr-90m3

MAT 4022

(α, n') p α

40-Zr-89



19

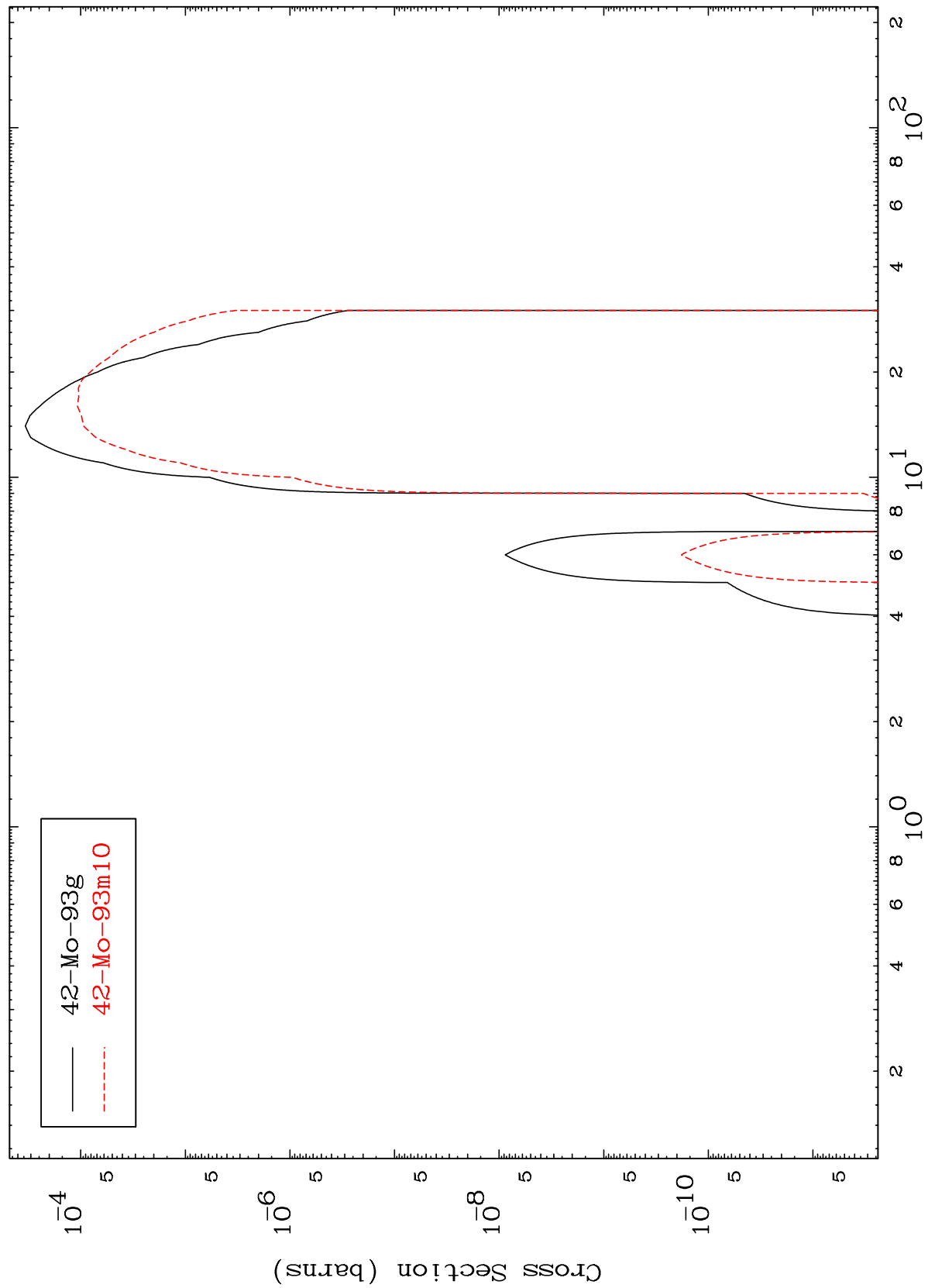
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

Radionuclide Production Cross Section
(α, γ)



20

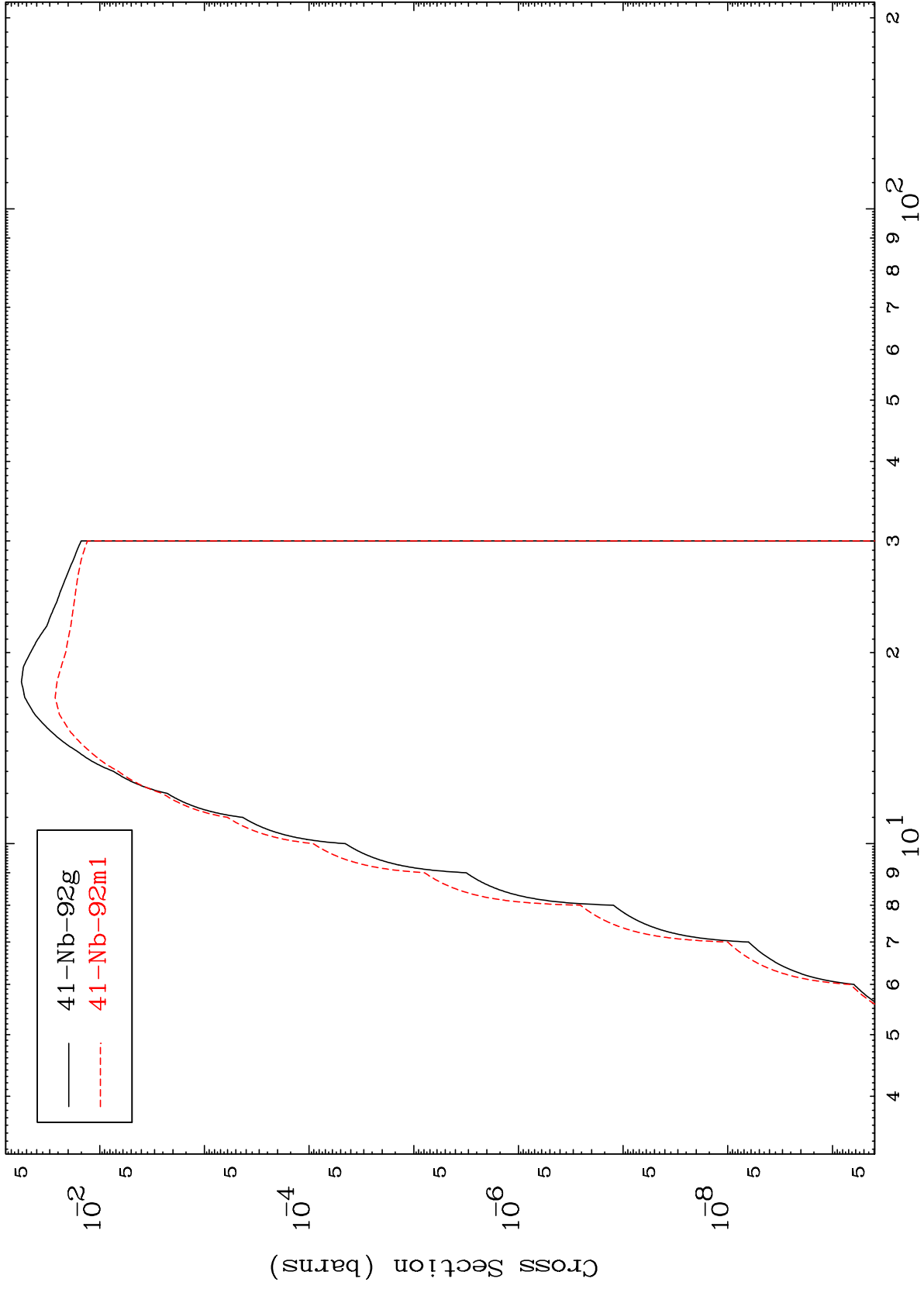
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

(α, p)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

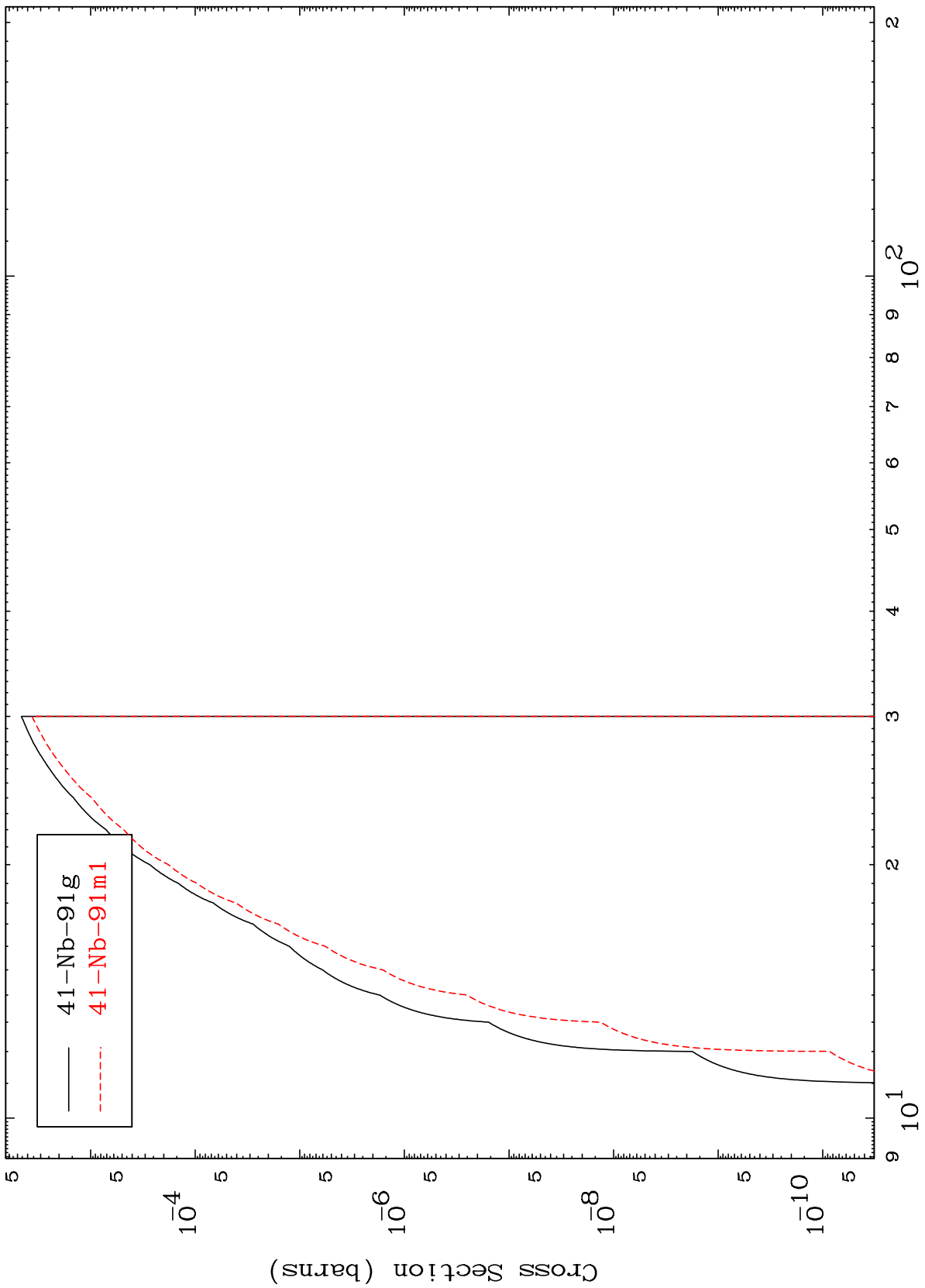
40-Zr-89

MAT 4022

(α, d)

40-Zr-89

Radionuclide Production Cross Section

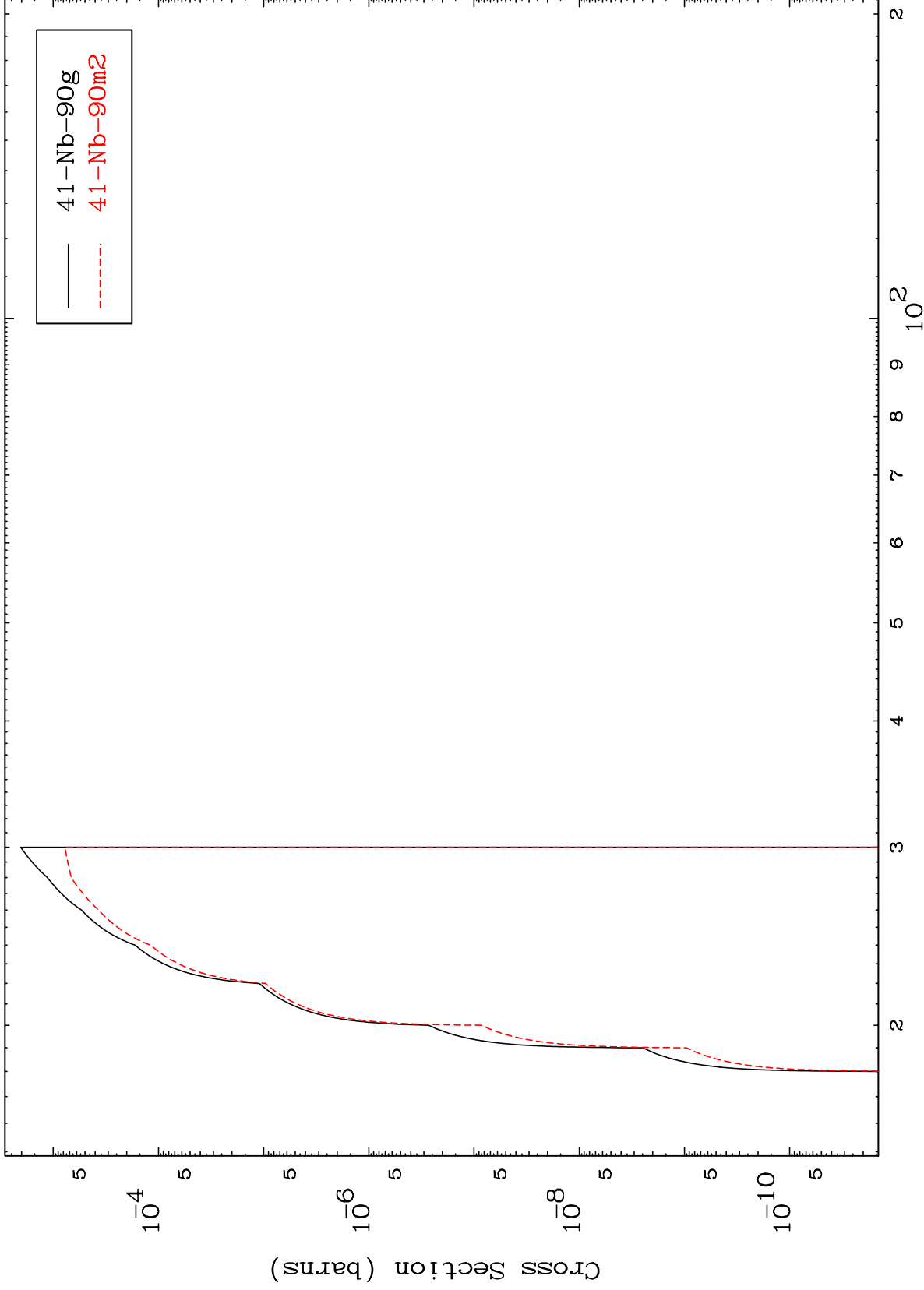


22

Incident Energy (MeV)

40-Zr-89

Radionuclide Production Cross Section

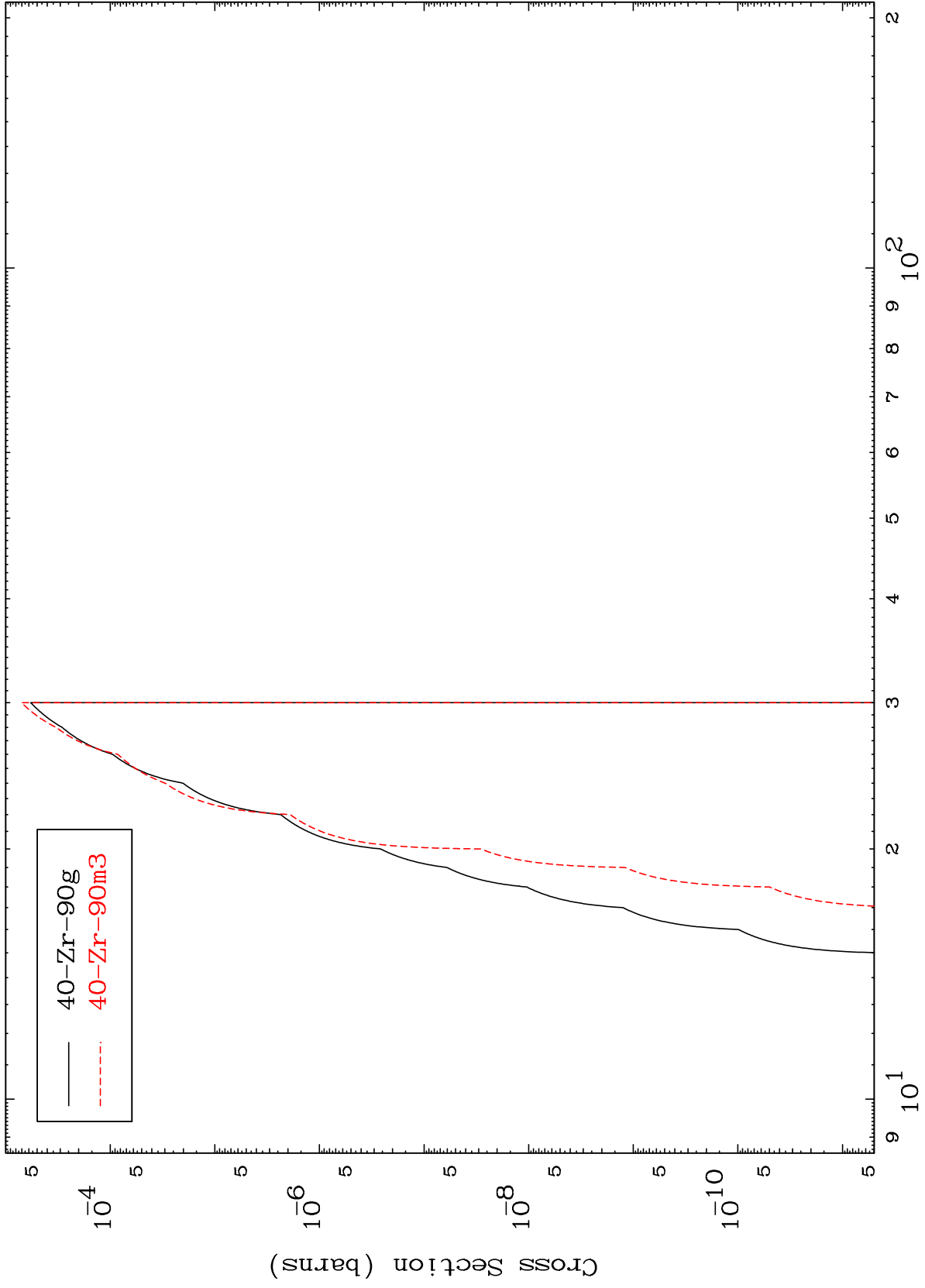


MAT 4022

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

40-Zr-89

Radionuclide Production Cross Section



Incident Energy (MeV)

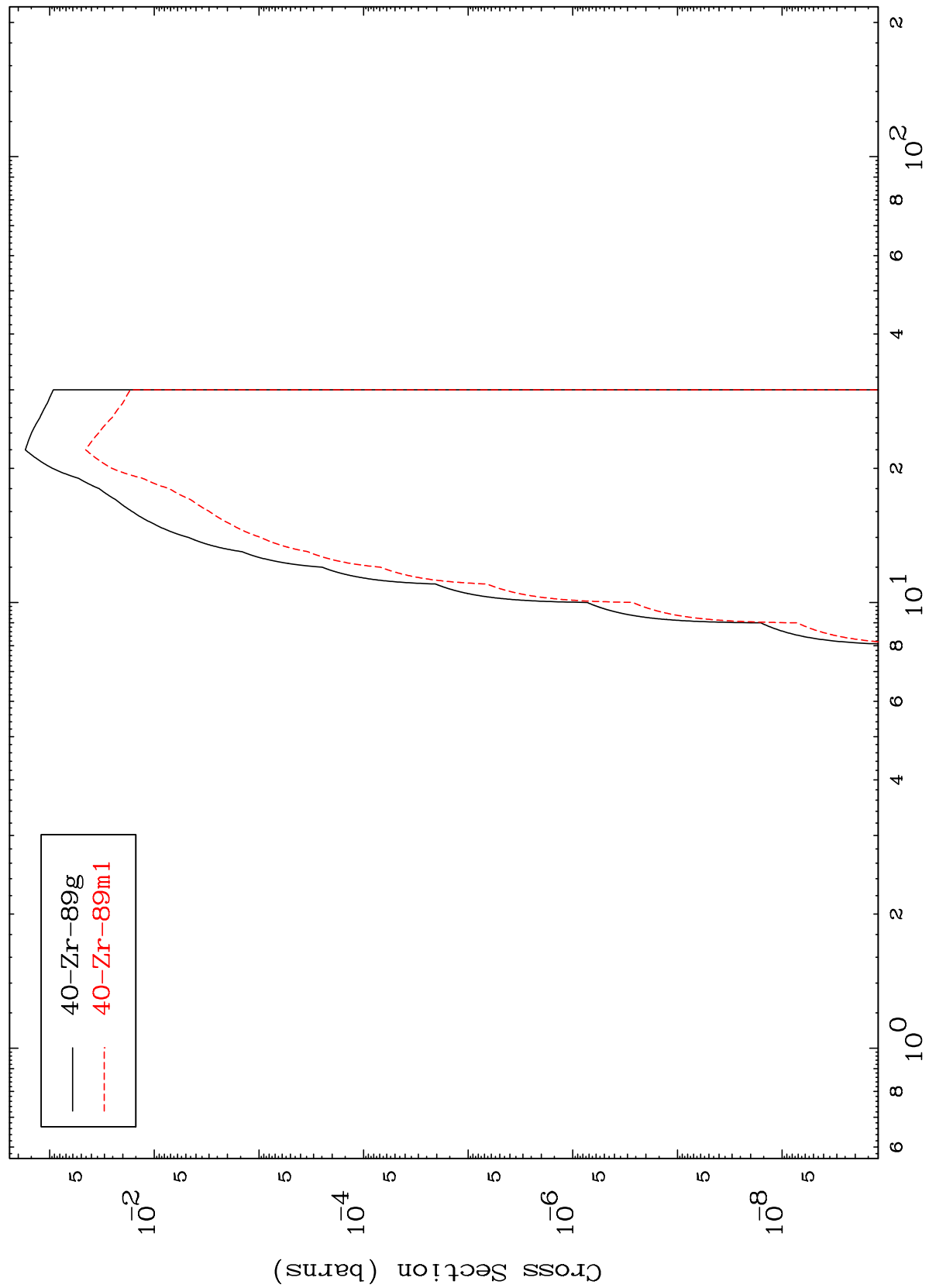
40-Zr-89

24

MAT 4022

40-Zr-89

(α, α)
Radionuclide Production Cross Section



— 40-Zr-89g
- - - 40-Zr-89m1

25

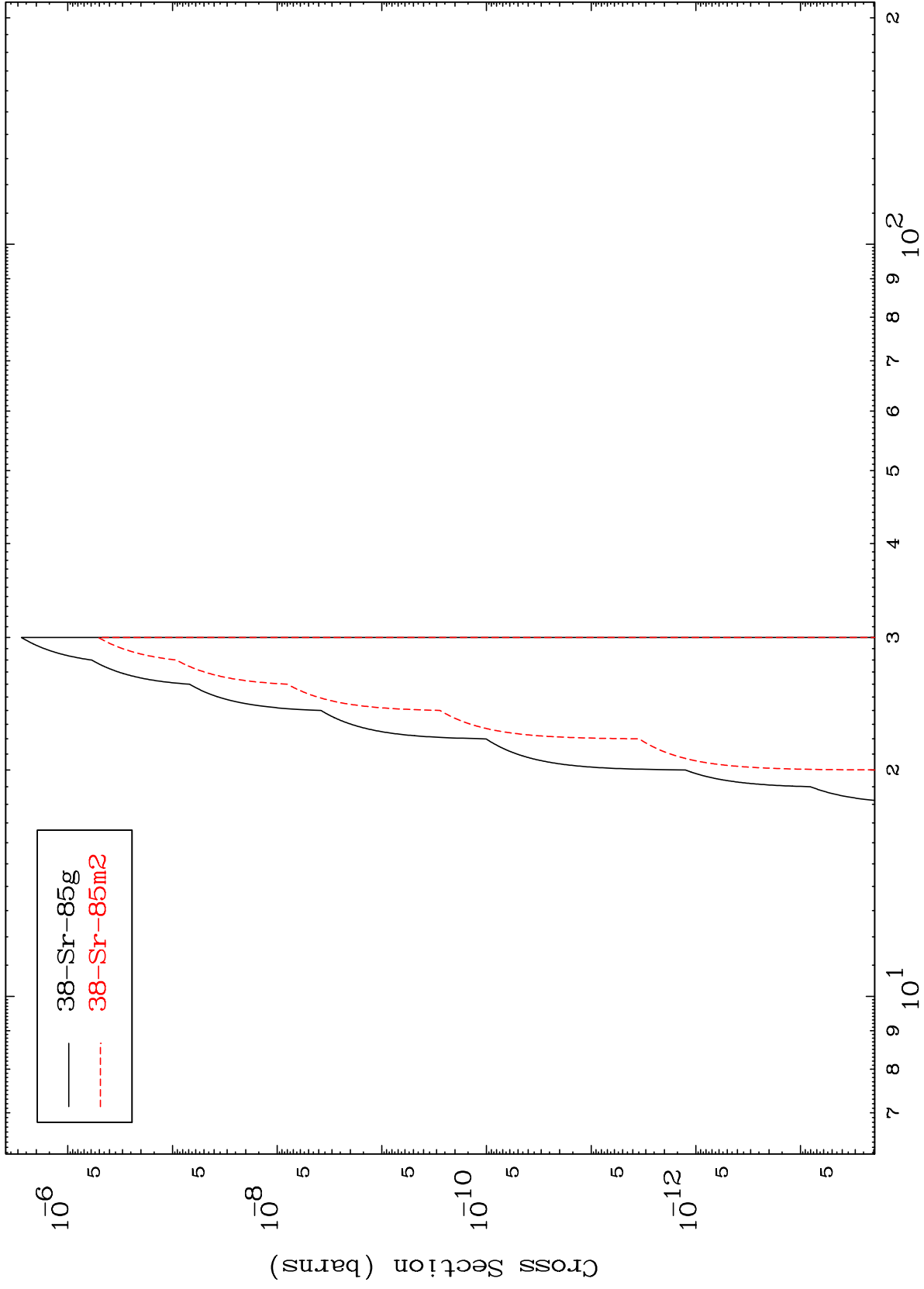
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

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



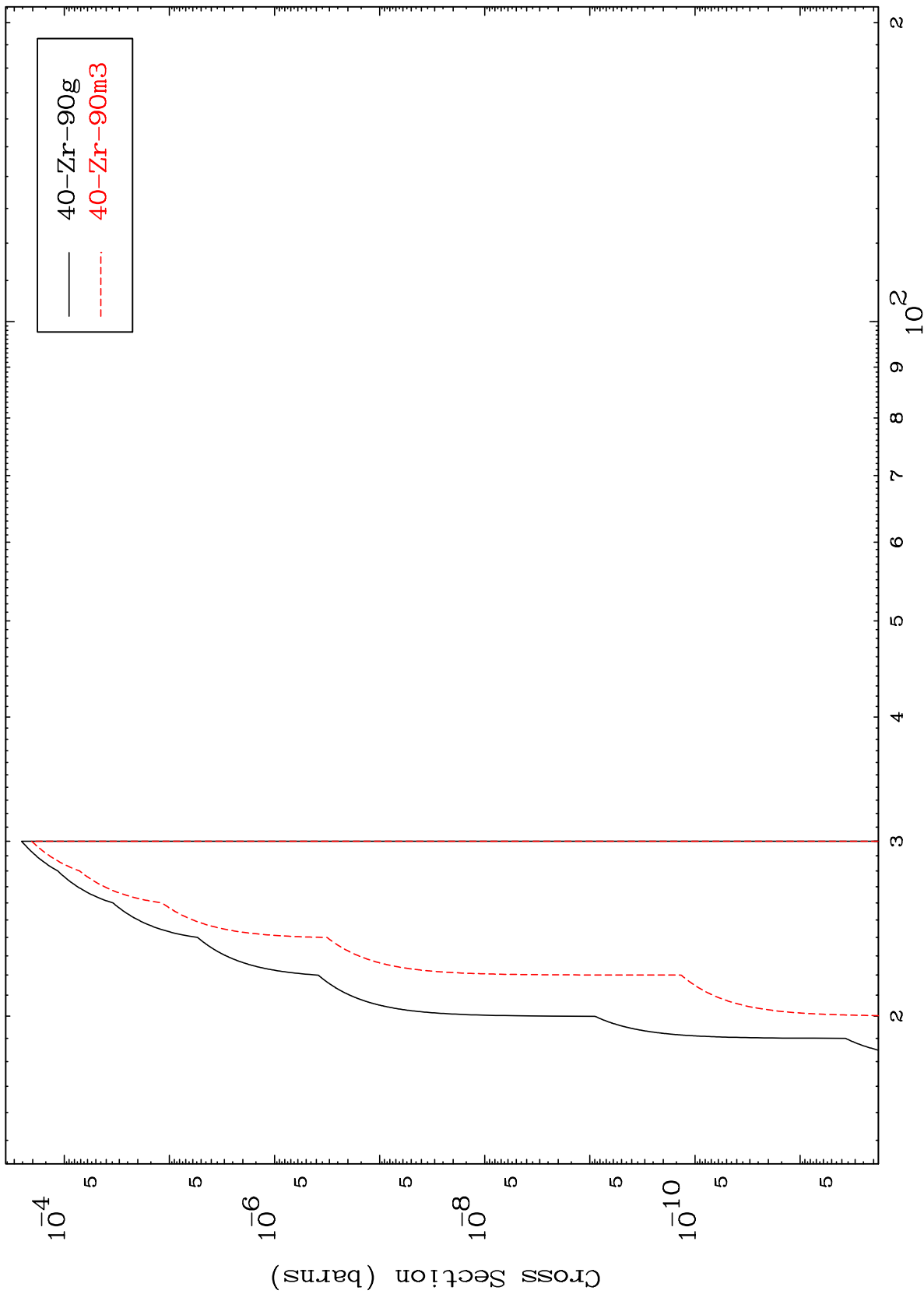
— 38-Sr-85g
- - - 38-Sr-85m2

40-Zr-89

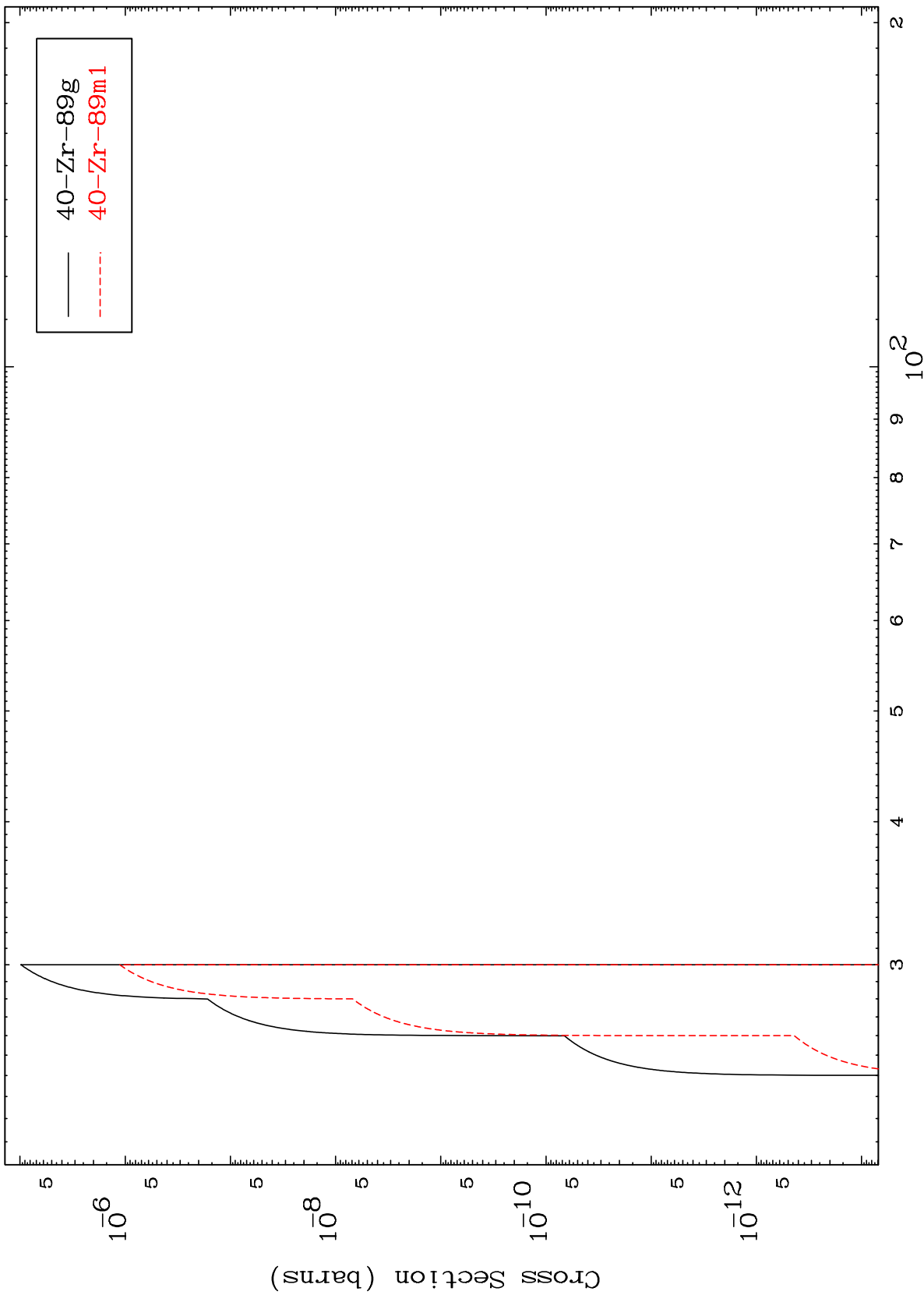
Incident Energy (MeV)

26

Radionuclide Production Cross Section



Radionuclide Production Cross Section



MAT 4022

(α, d) α

40-Zr-89

