

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

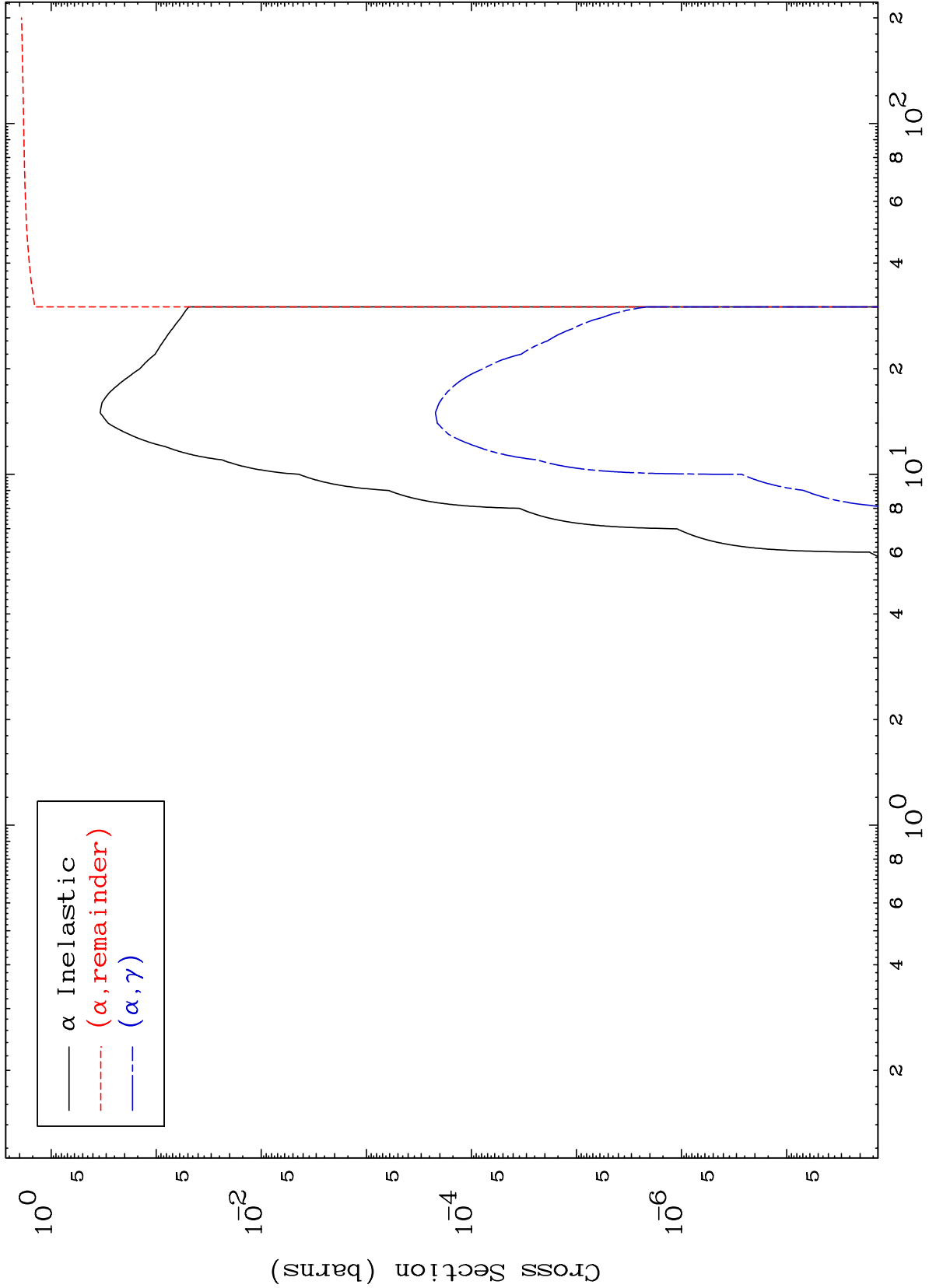
Press Mouse Button to Start

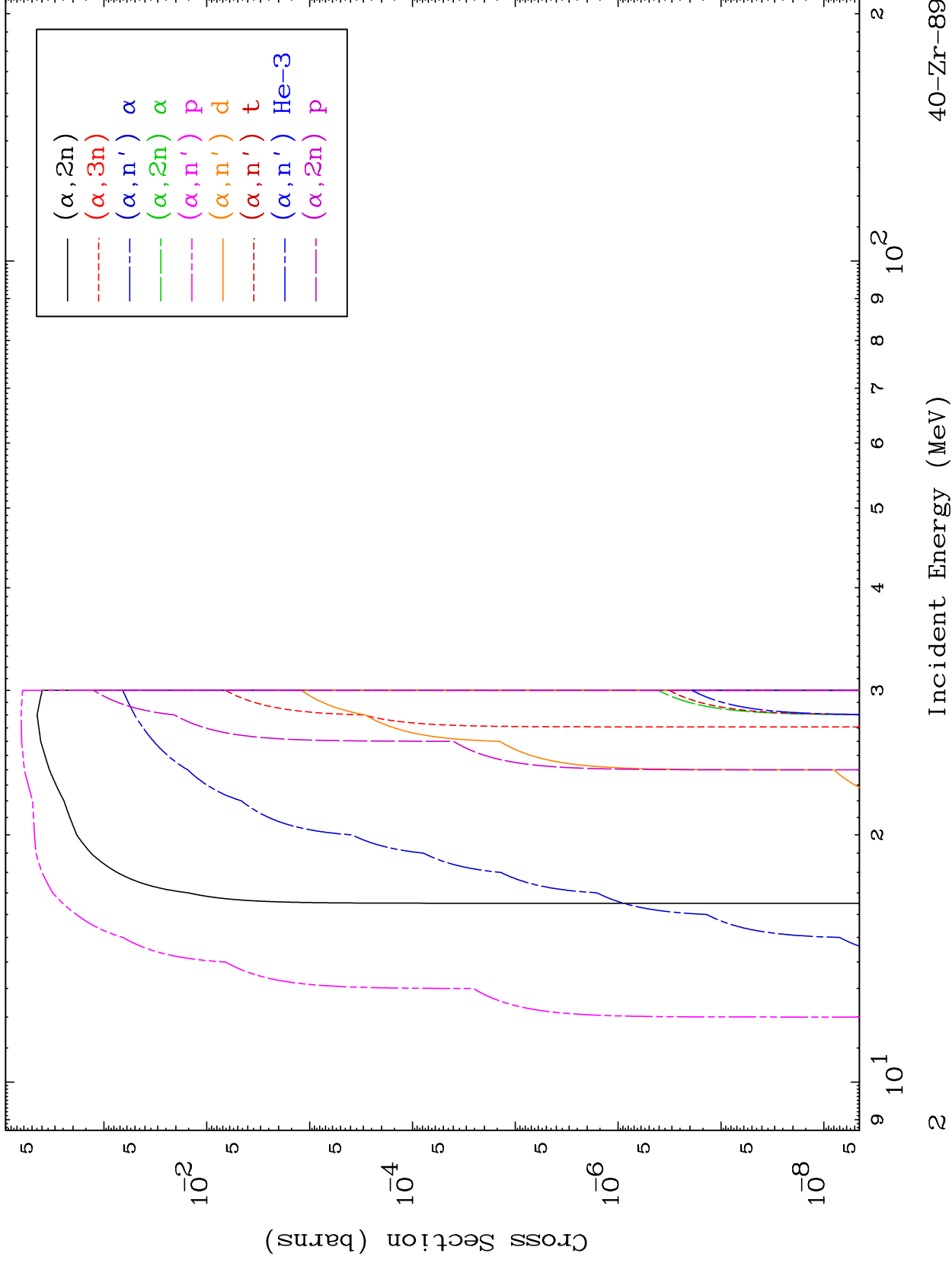
MAT 4023

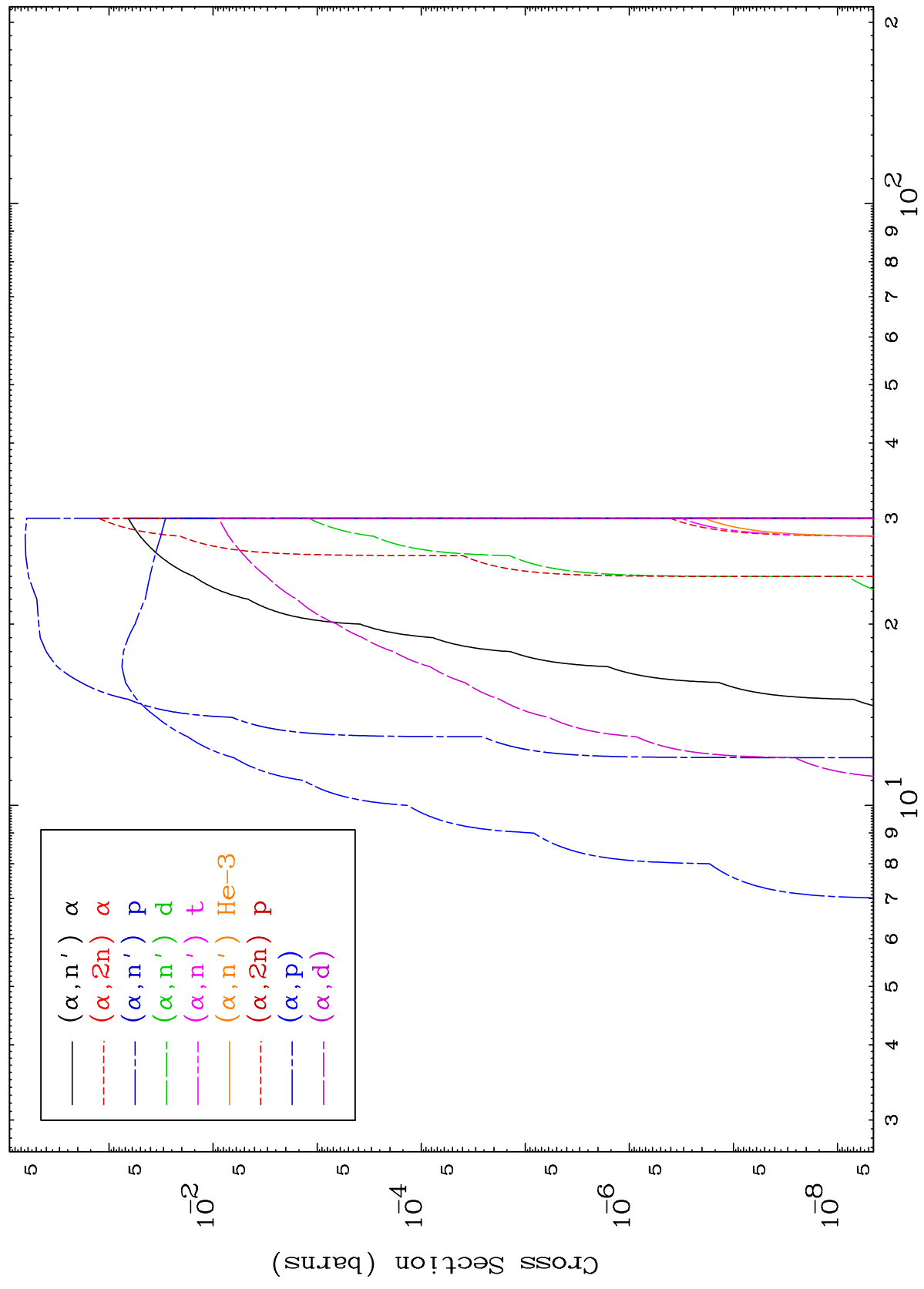
α Major

40-Zr-89

0 Kelvin Cross Sections



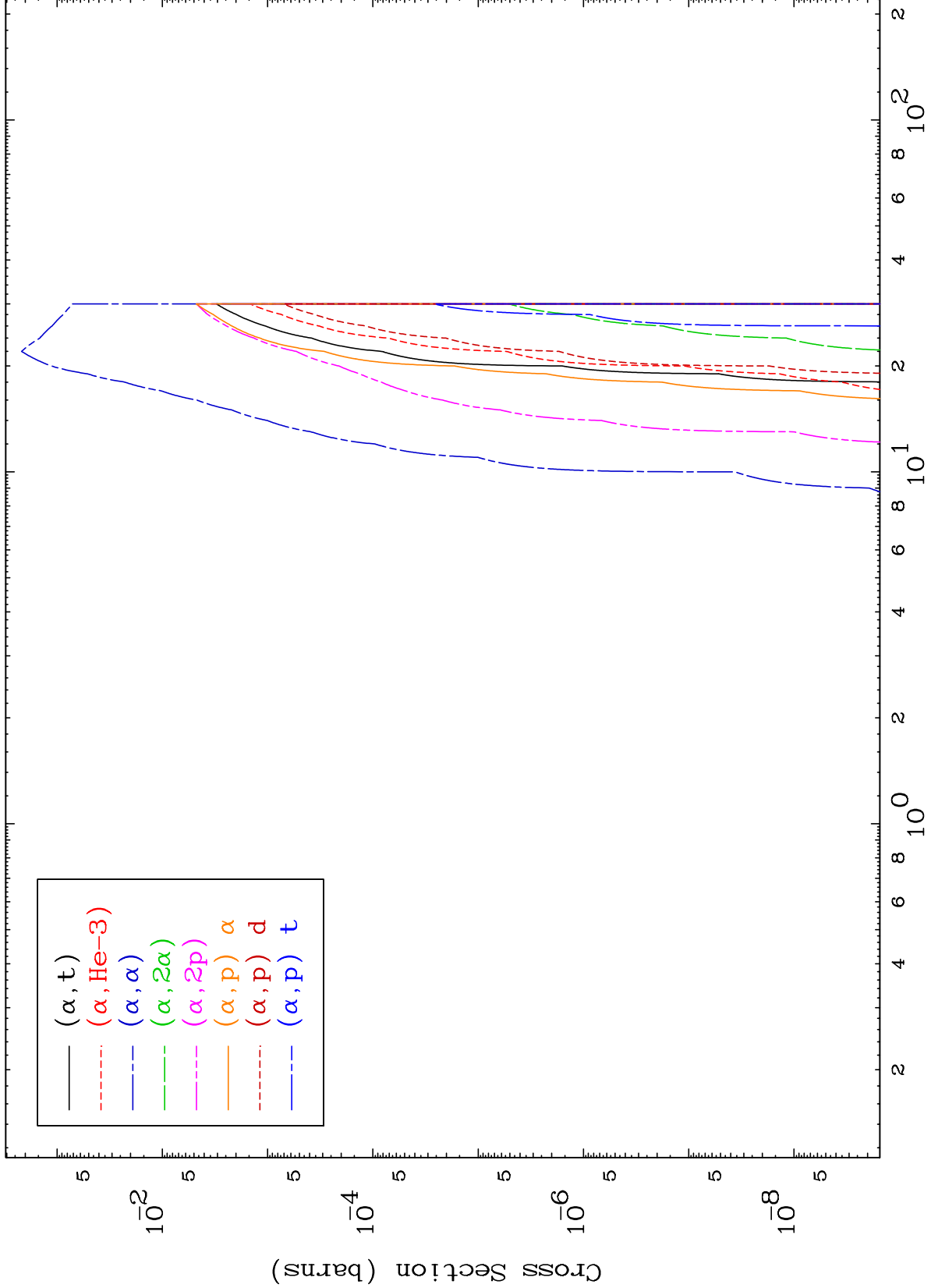




MAT 4023

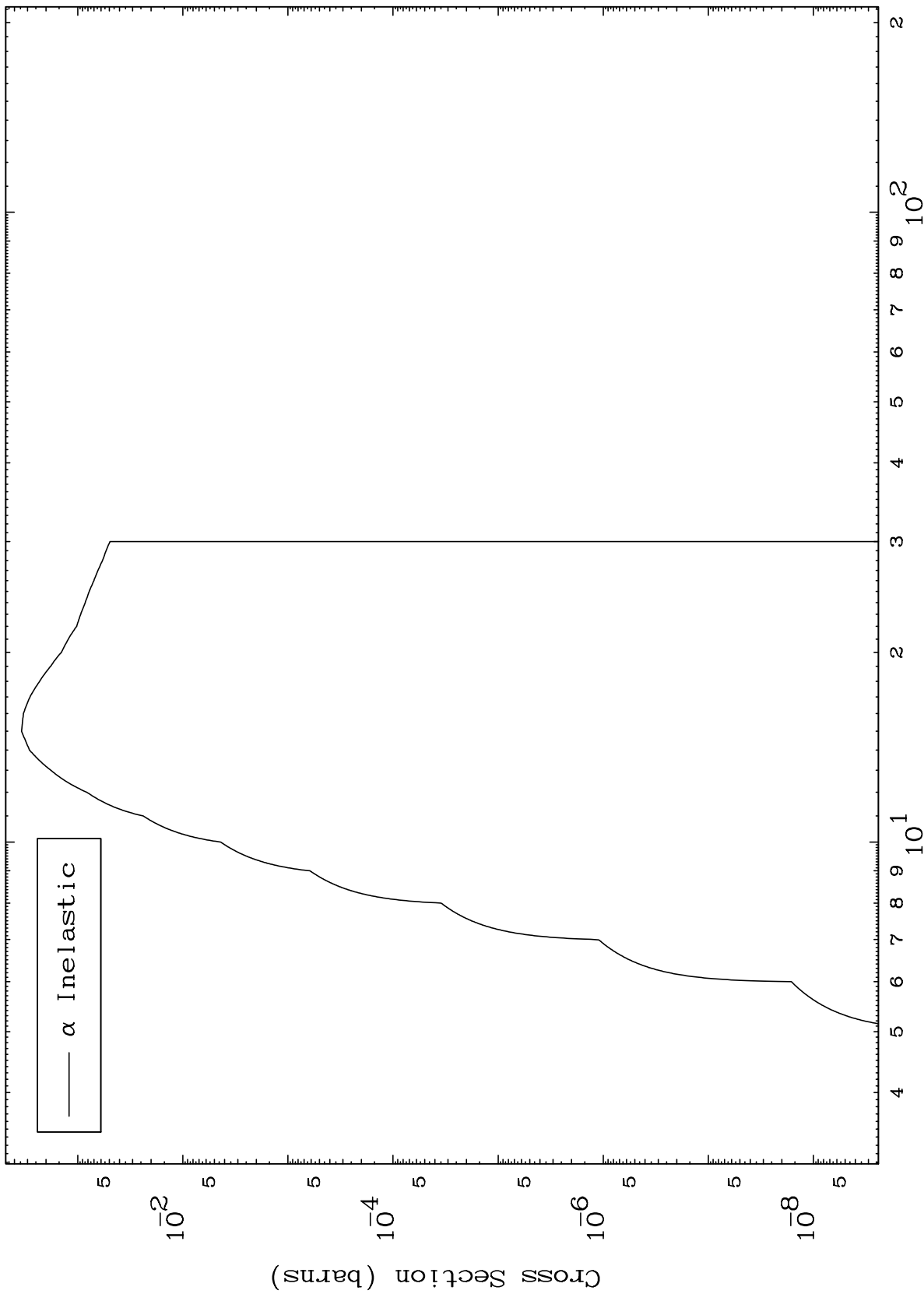
α Charged Particle
0 Kelvin Cross Sections

40-Zr-89



40-Zr-89

(α, n') Level
0 Kelvin Cross Sections



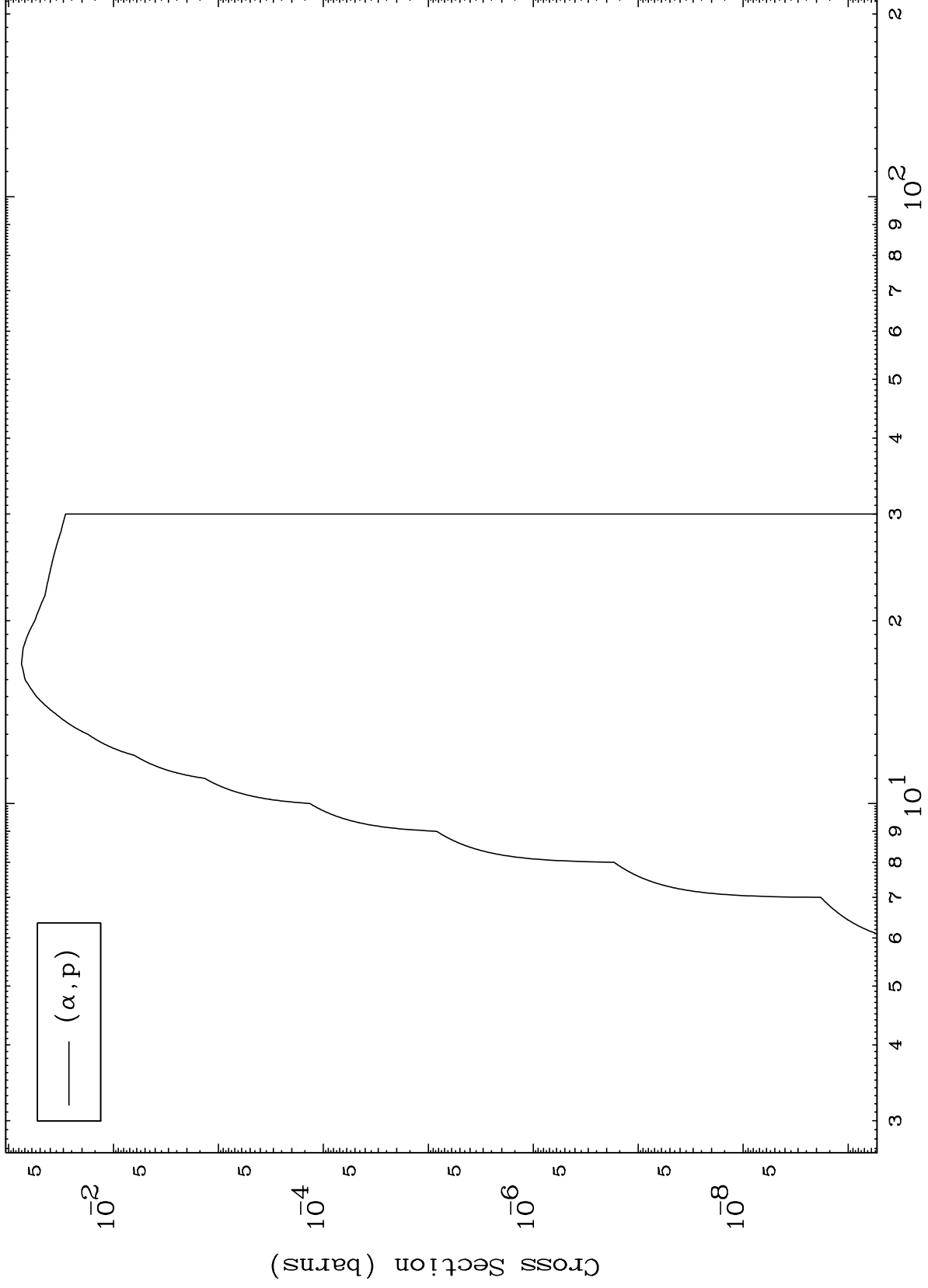
Incident Energy (MeV)

MAT 4023

(α, p) Levels

40-Zr-89

0 Kelvin Cross Sections



6

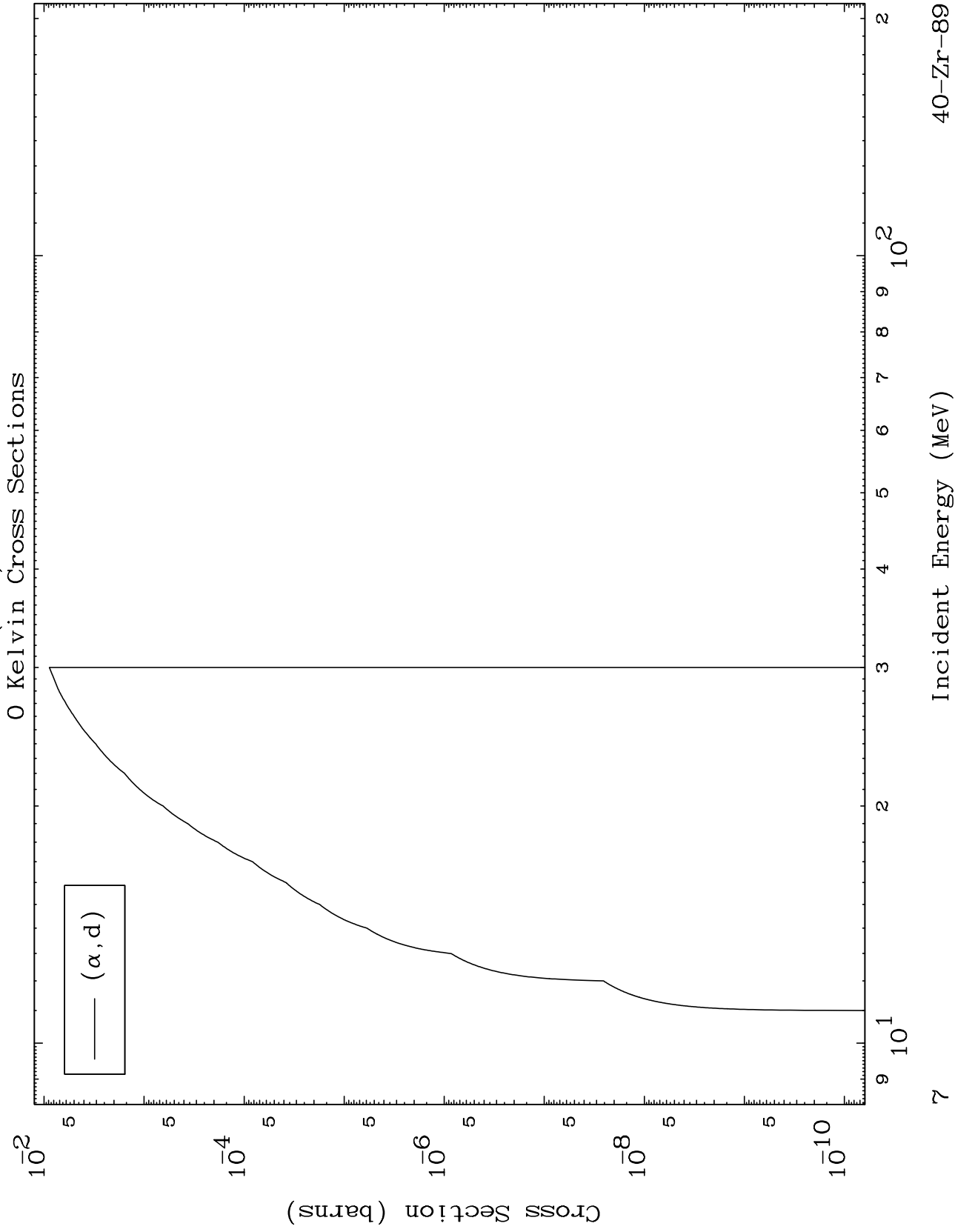
Incident Energy (MeV)

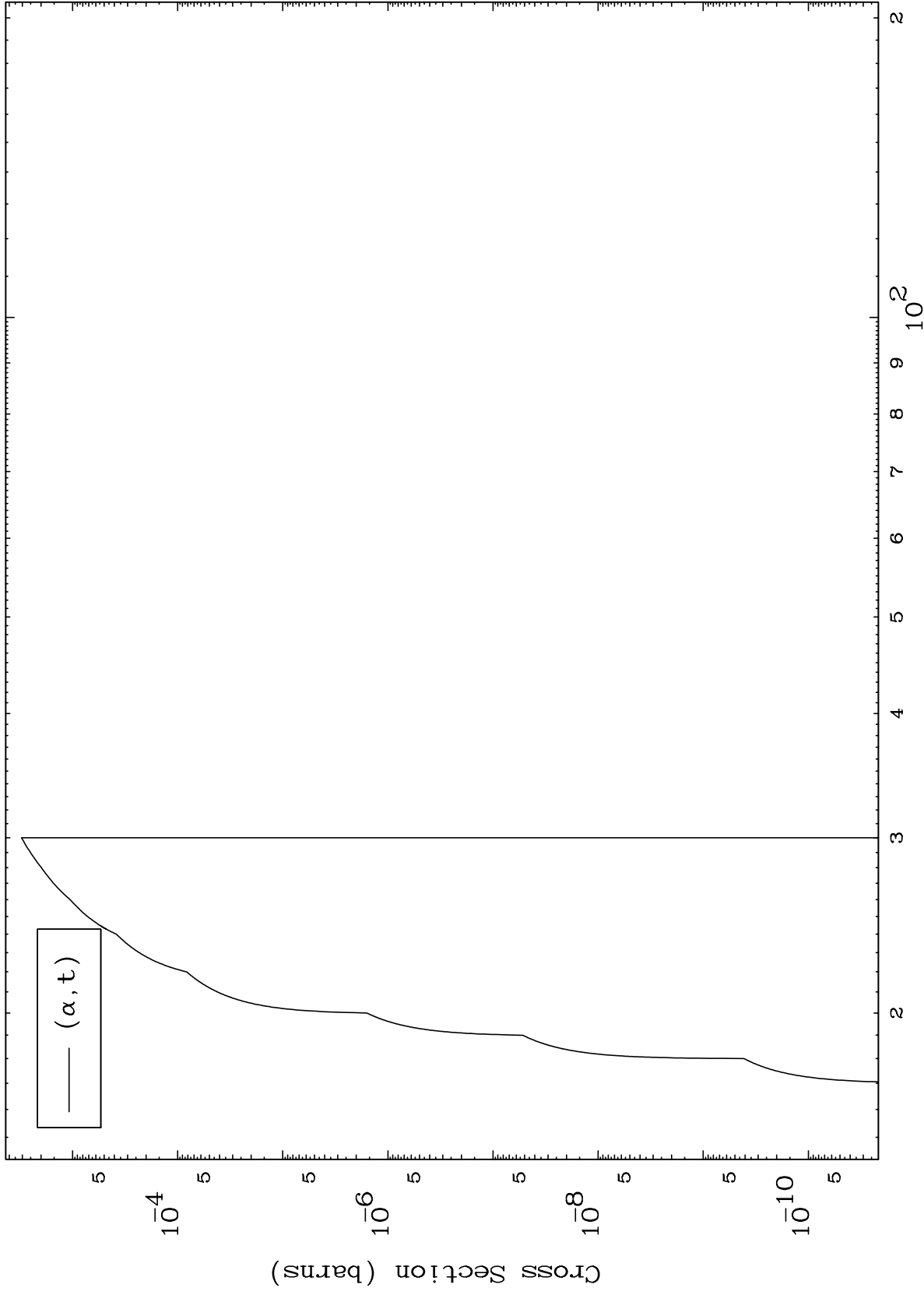
40-Zr-89

MAT 4023

(α, d) Levels

40-Zr-89

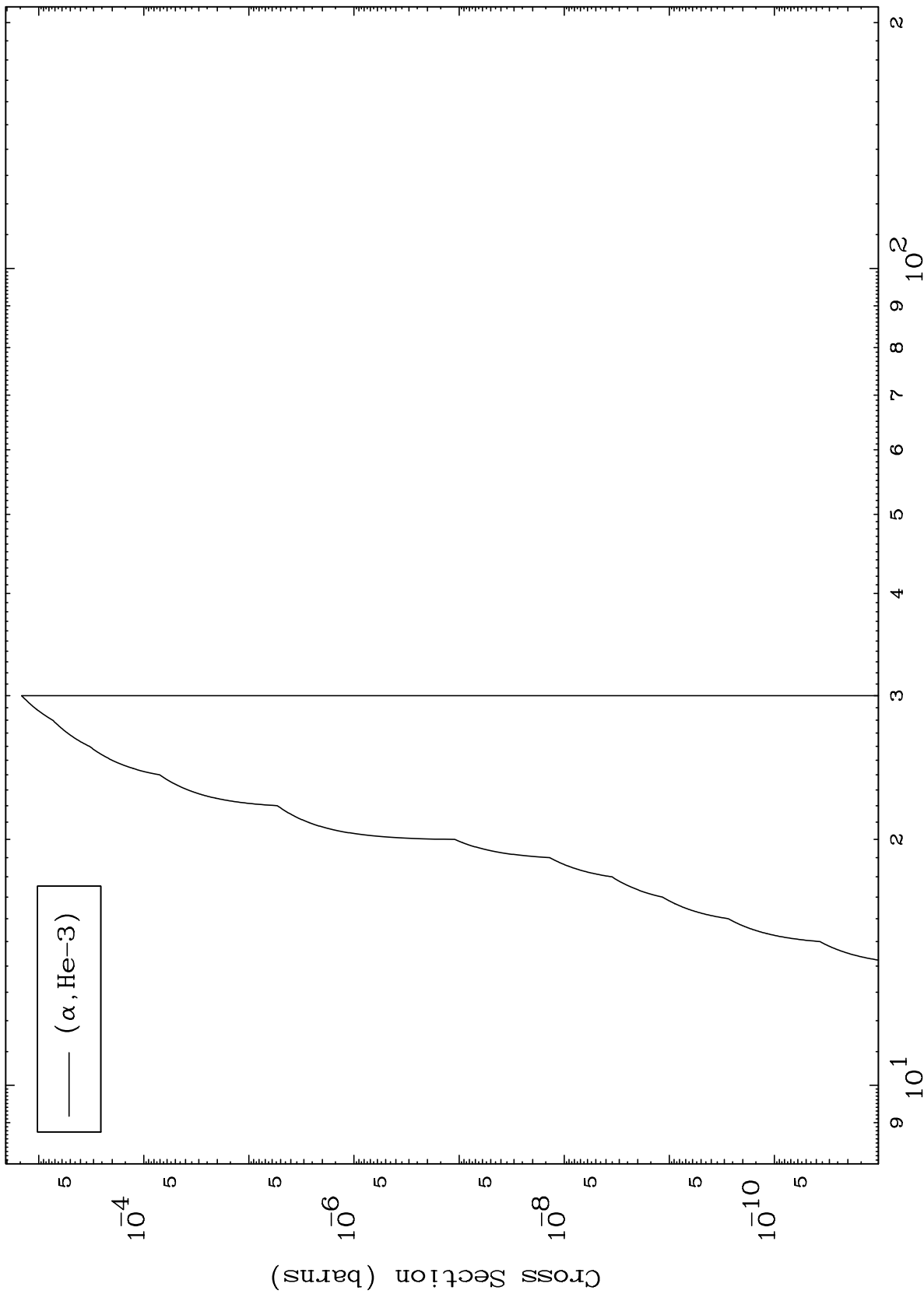




MAT 4023

40-Zr-89

(α , He3) Levels
0 Kelvin Cross Sections



9

Incident Energy (MeV)

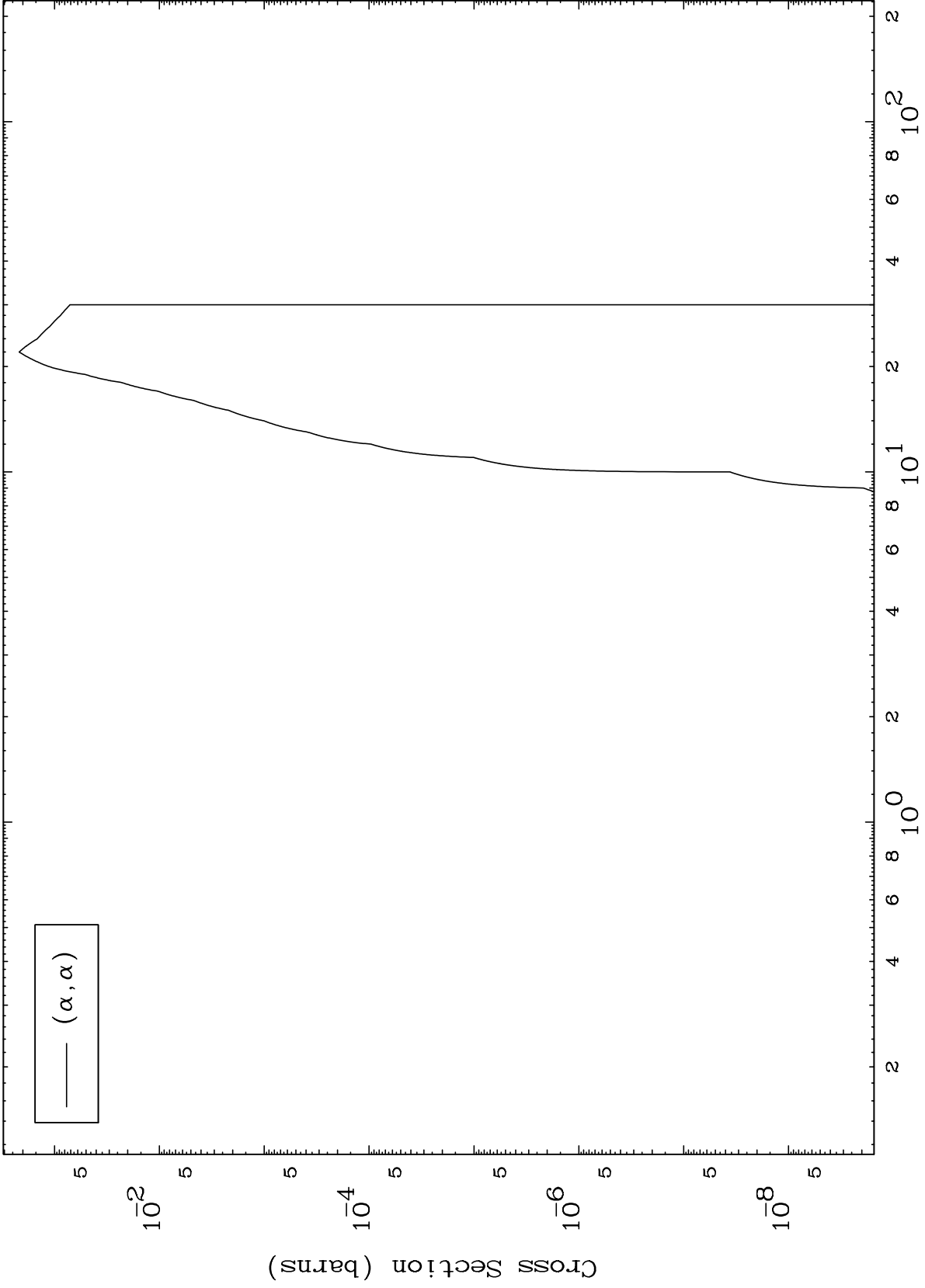
40-Zr-89

MAT 4023

(α, α) Levels

40-Zr-89

0 Kelvin Cross Sections



10

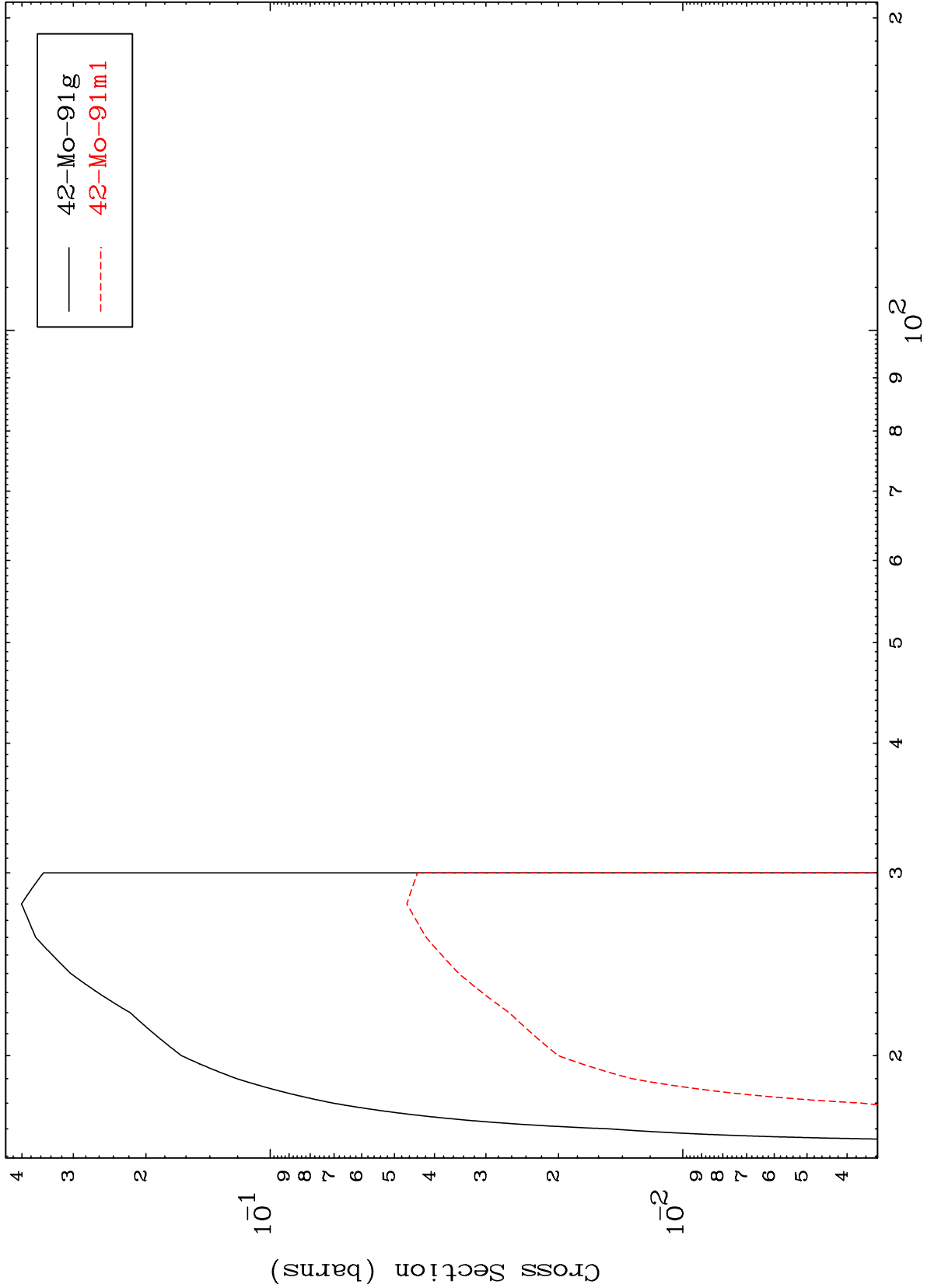
Incident Energy (MeV)

40-Zr-89

MAT 4023

40-Zr-89

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



11

Incident Energy (MeV)

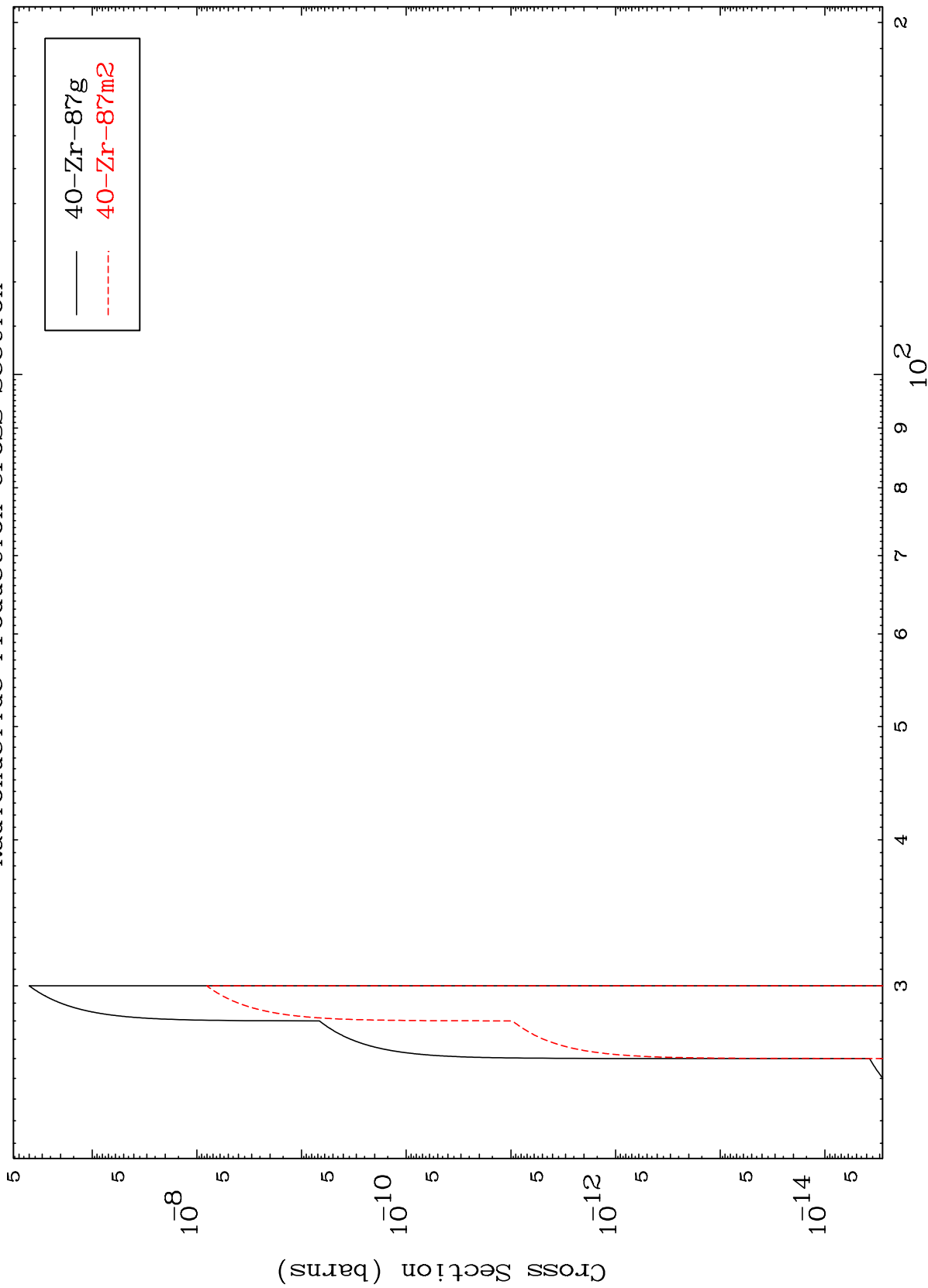
40-Zr-89

MAT 4023

$(\alpha, 2n) \alpha$

40-Zr-89

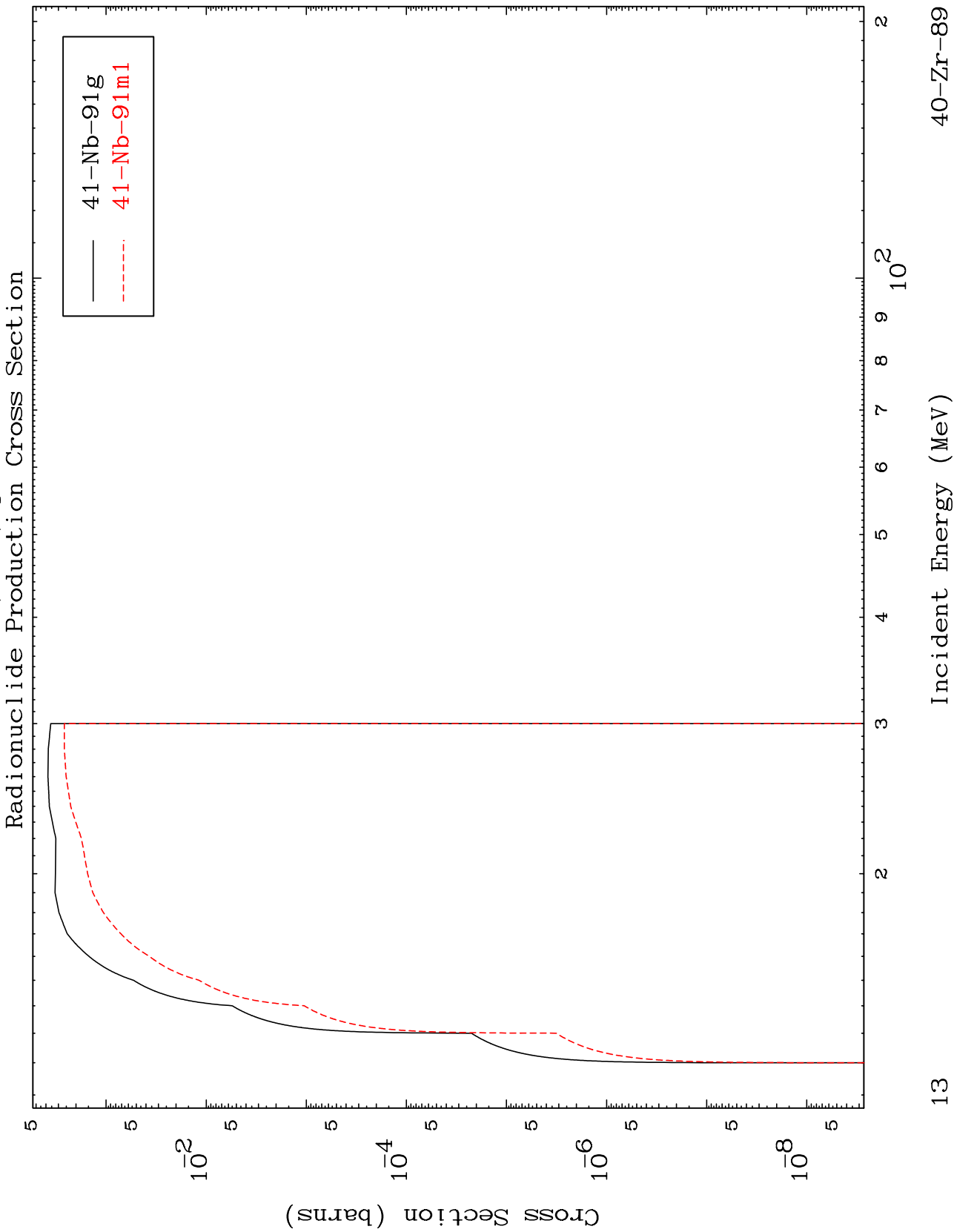
Radionuclide Production Cross Section



12

Incident Energy (MeV)

40-Zr-89

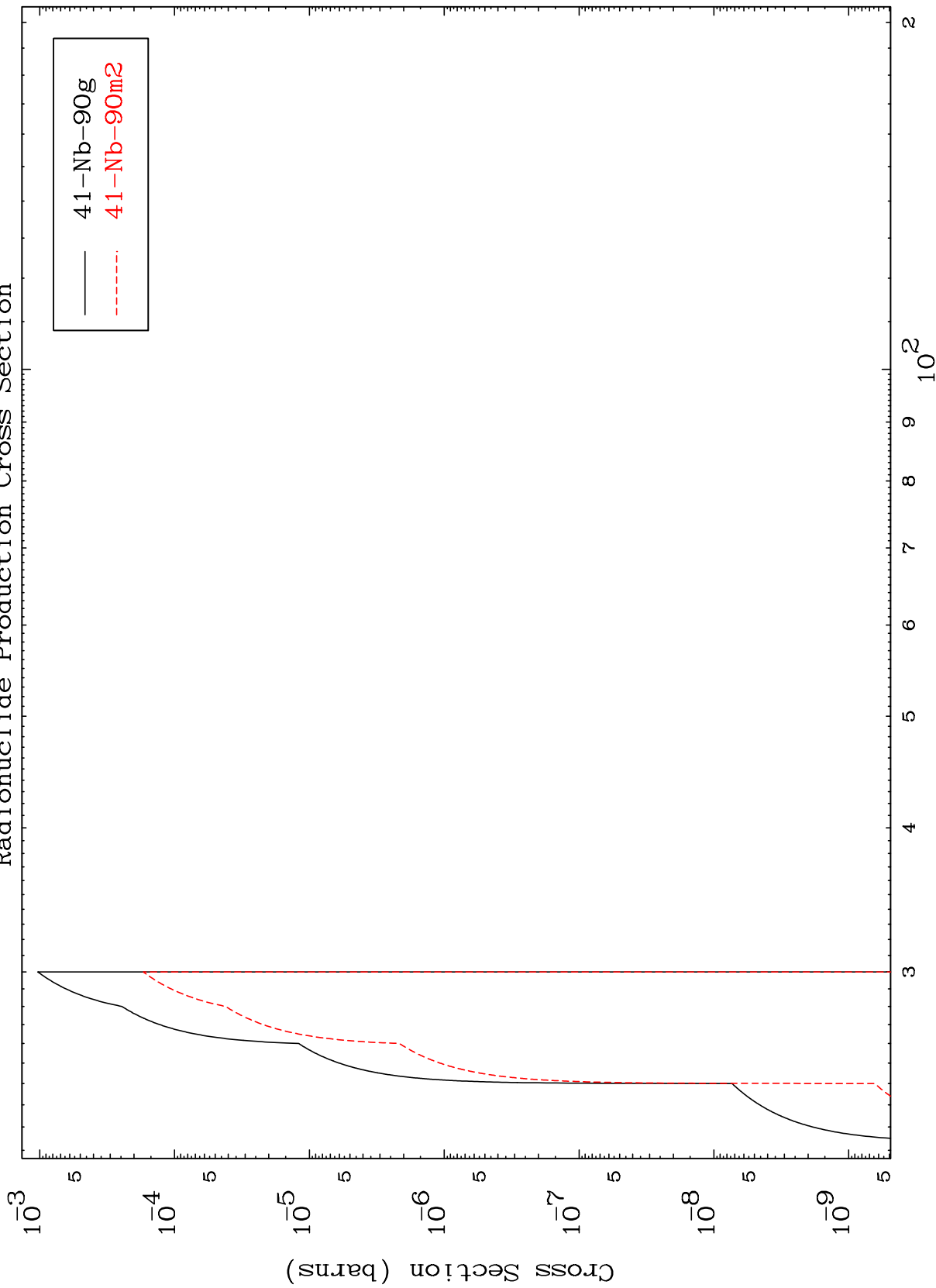


MAT 4023

(α, n') d

40-Zr-89

Radionuclide Production Cross Section

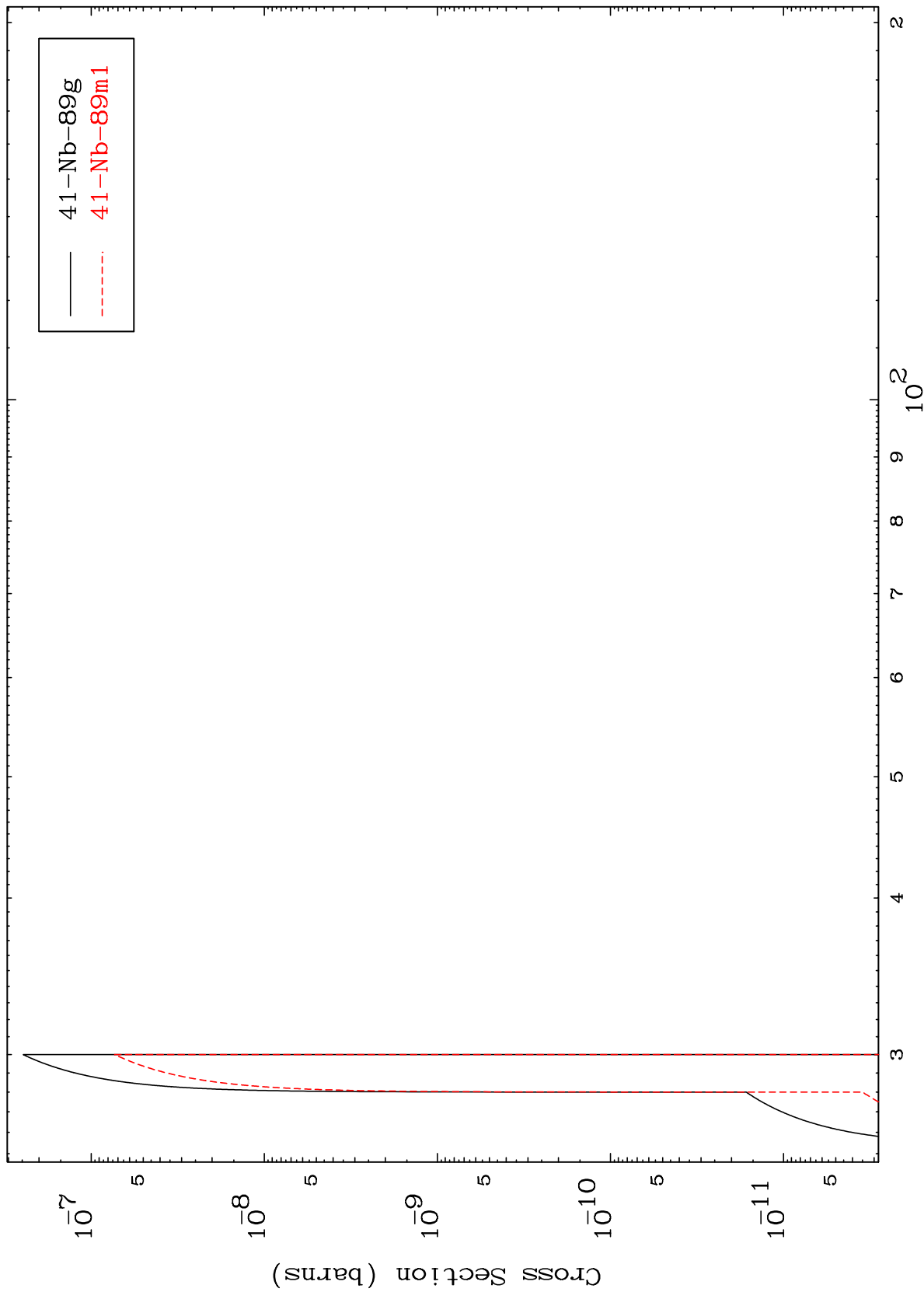


14

Incident Energy (MeV)

40-Zr-89

Radionuclide Production Cross Section

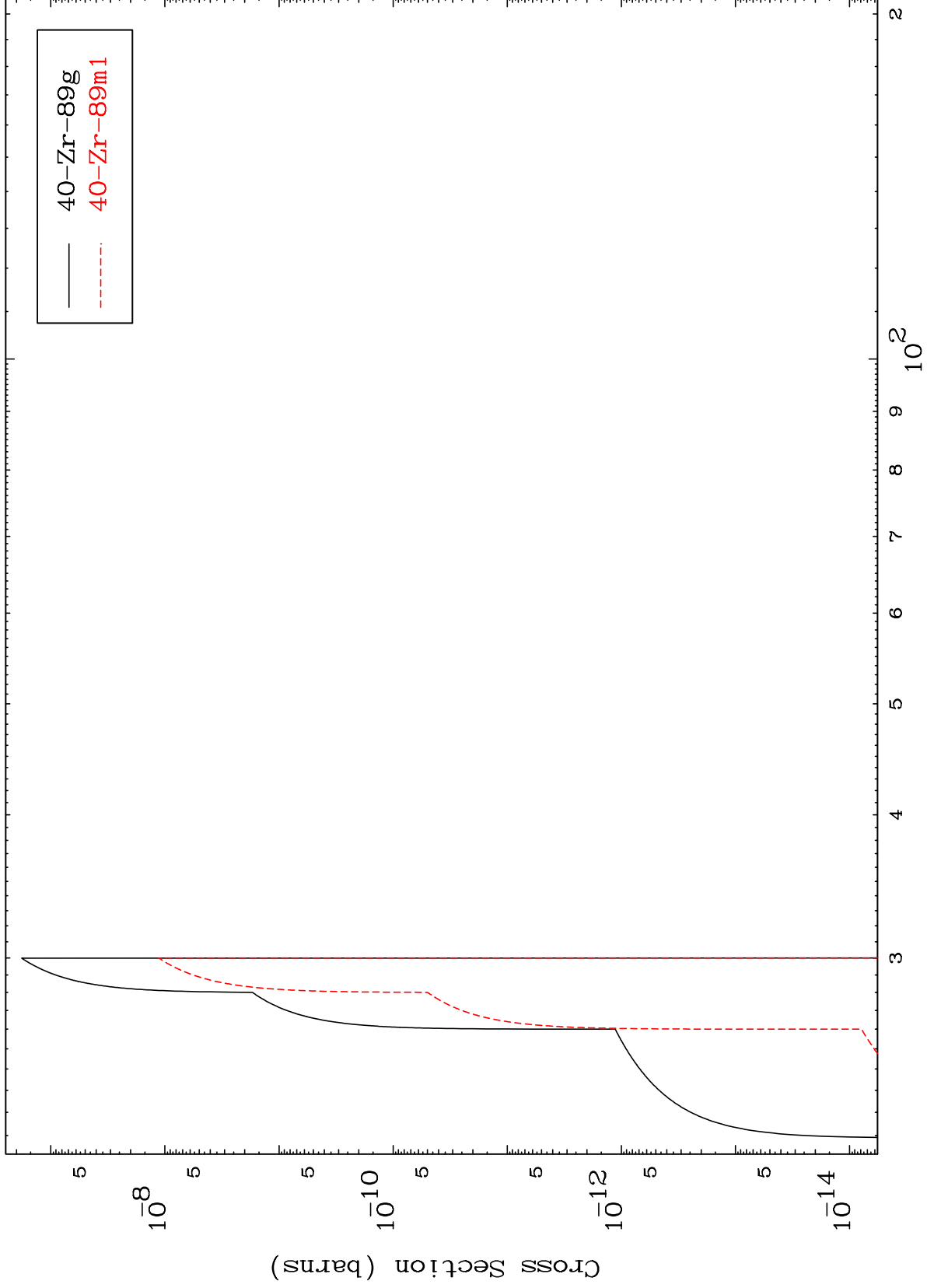


MAT 4023

(α, n') He-3

40-Zr-89

Radionuclide Production Cross Section

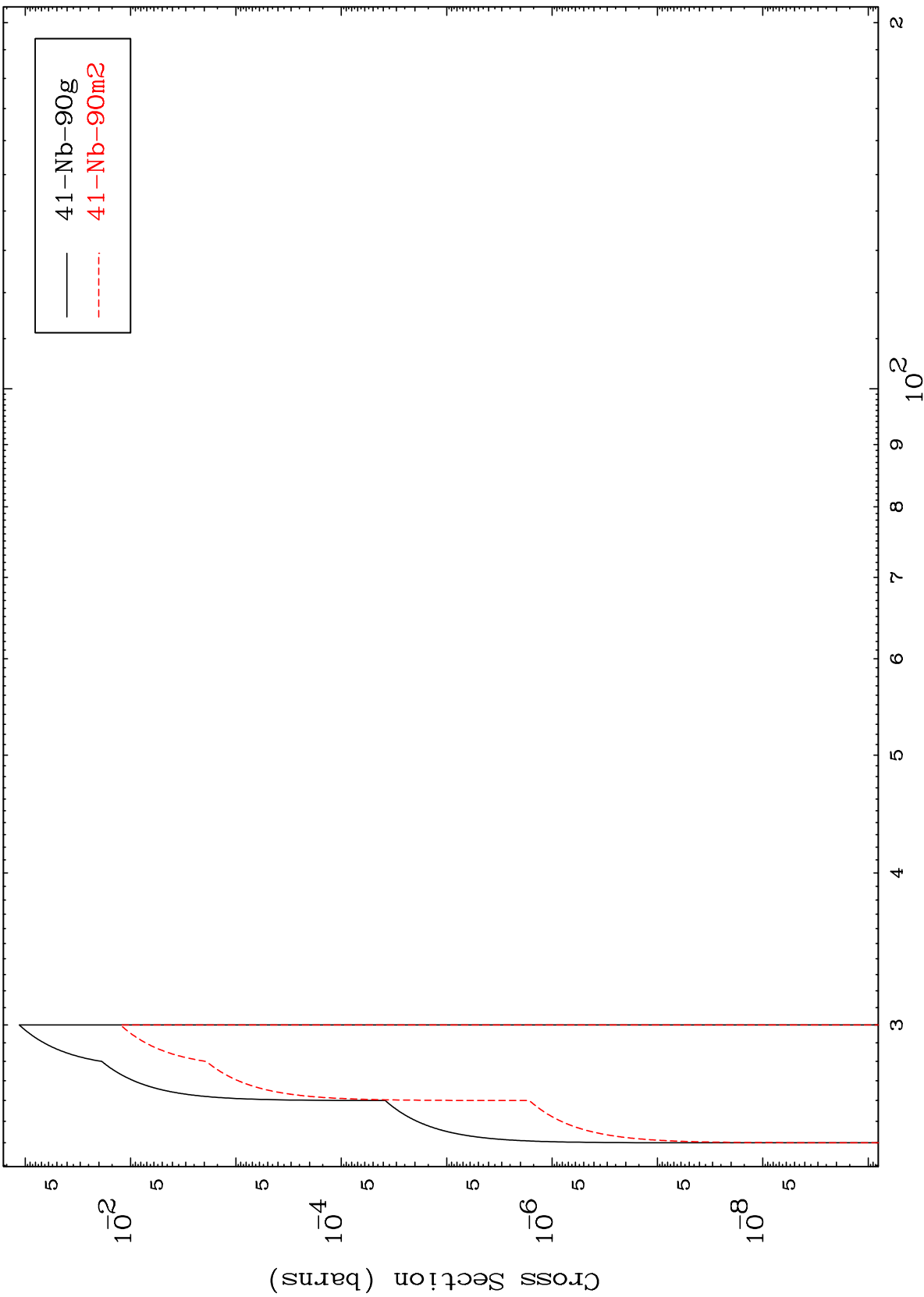


16

Incident Energy (MeV)

40-Zr-89

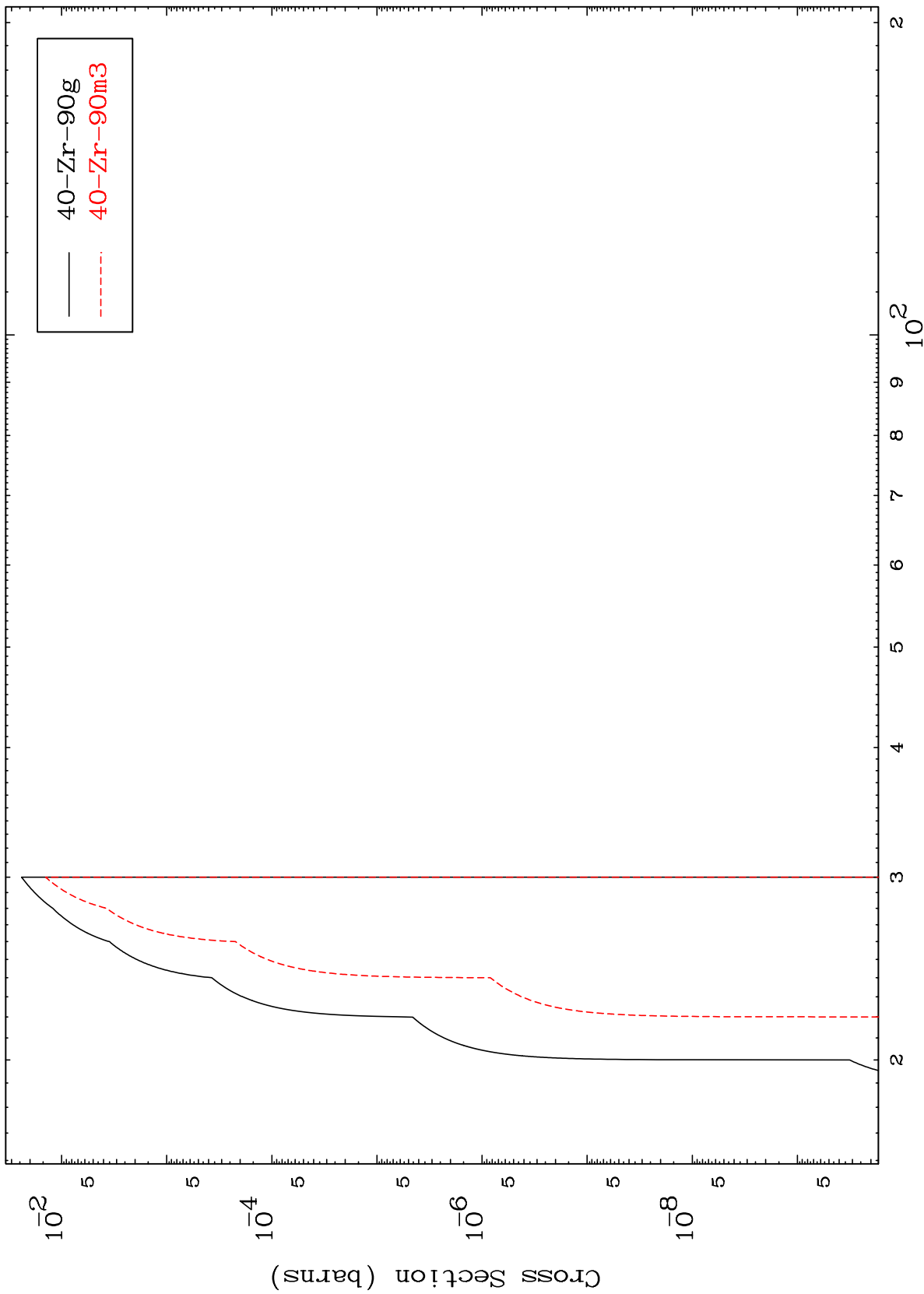
Radionuclide Production Cross Section



MAT 4023

40-Zr-89

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

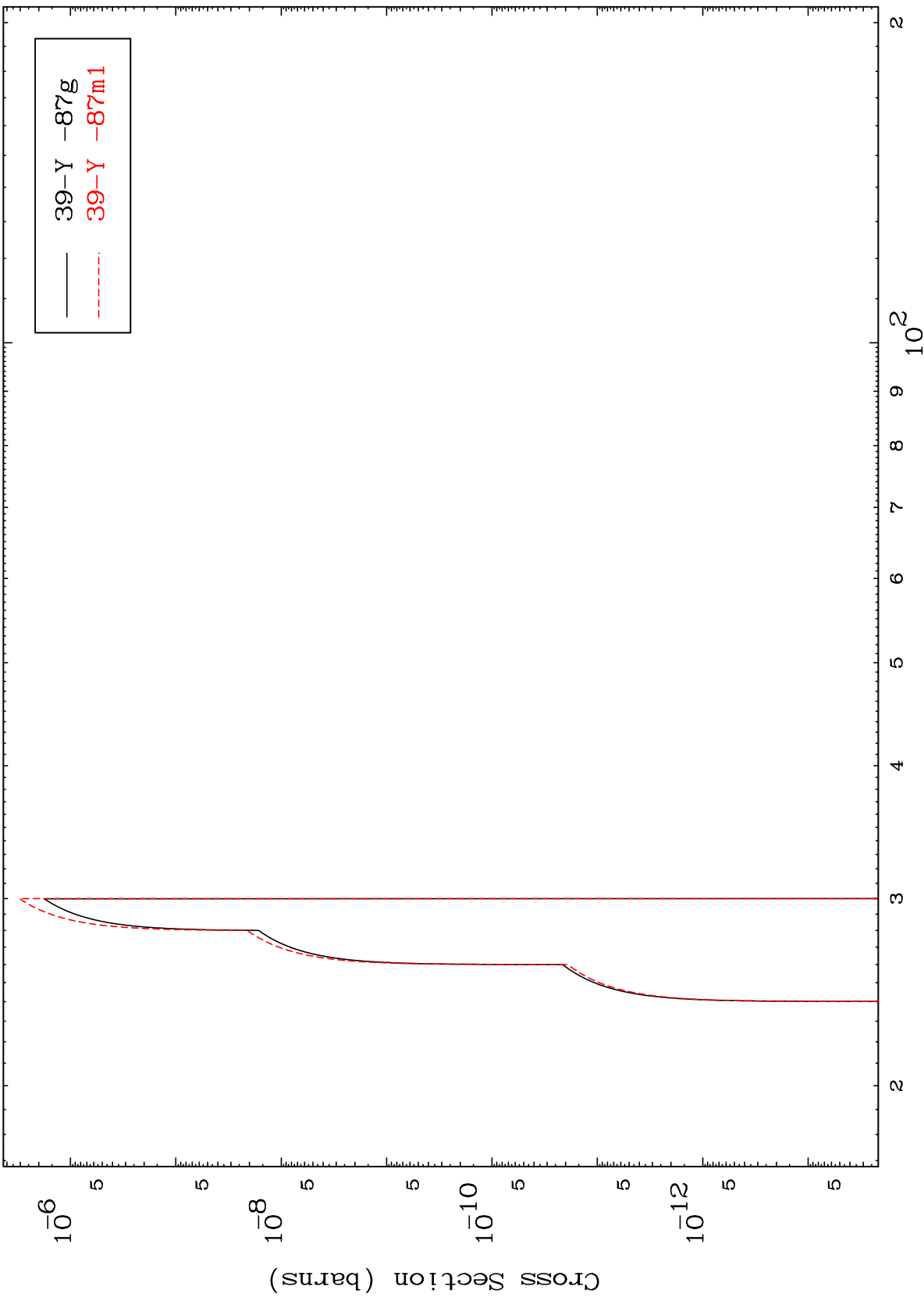


40-Zr-89

Incident Energy (MeV)

18

Radionuclide Production Cross Section

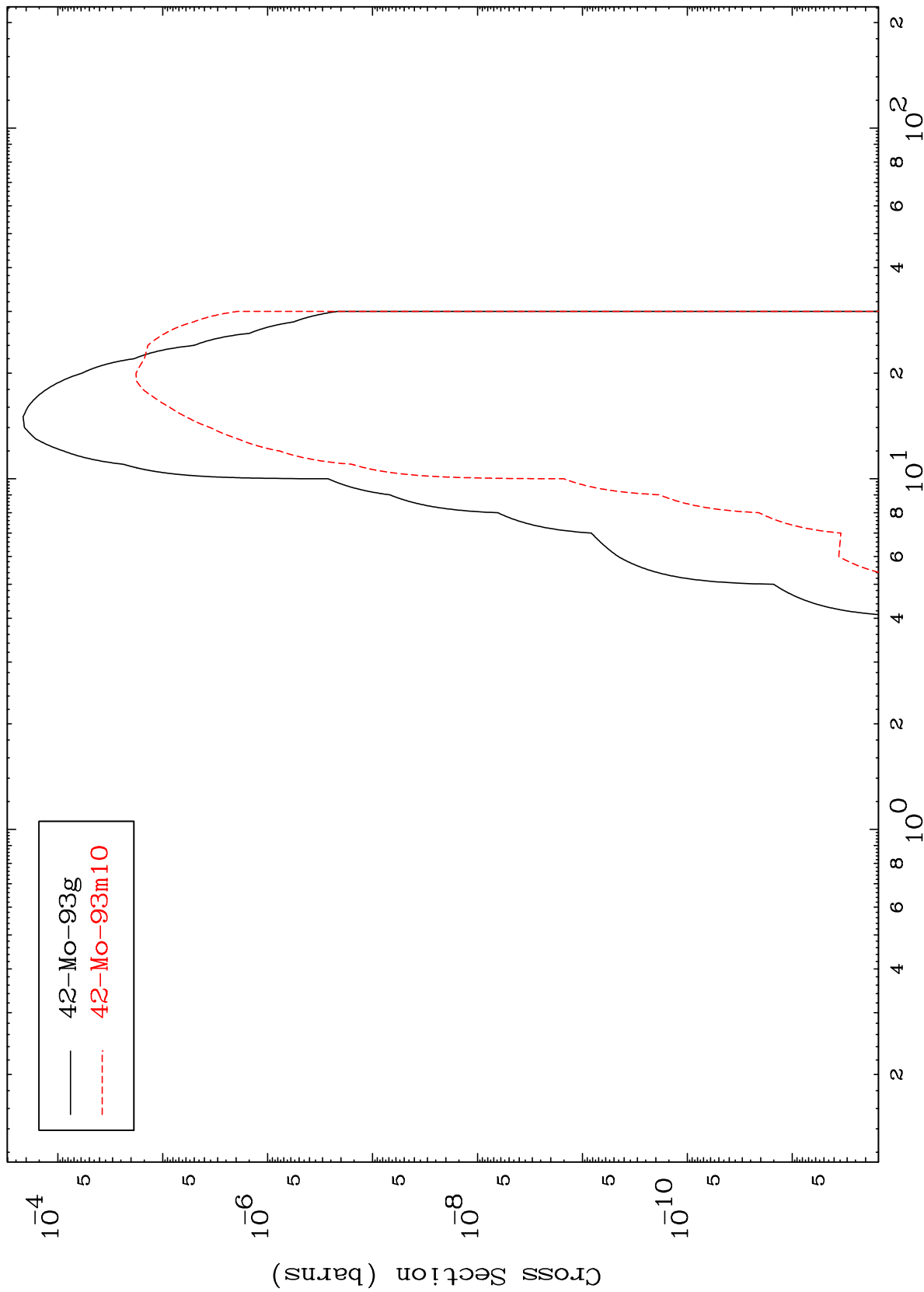


MAT 4023

(α, γ)

40-Zr-89

Radionuclide Production Cross Section



20

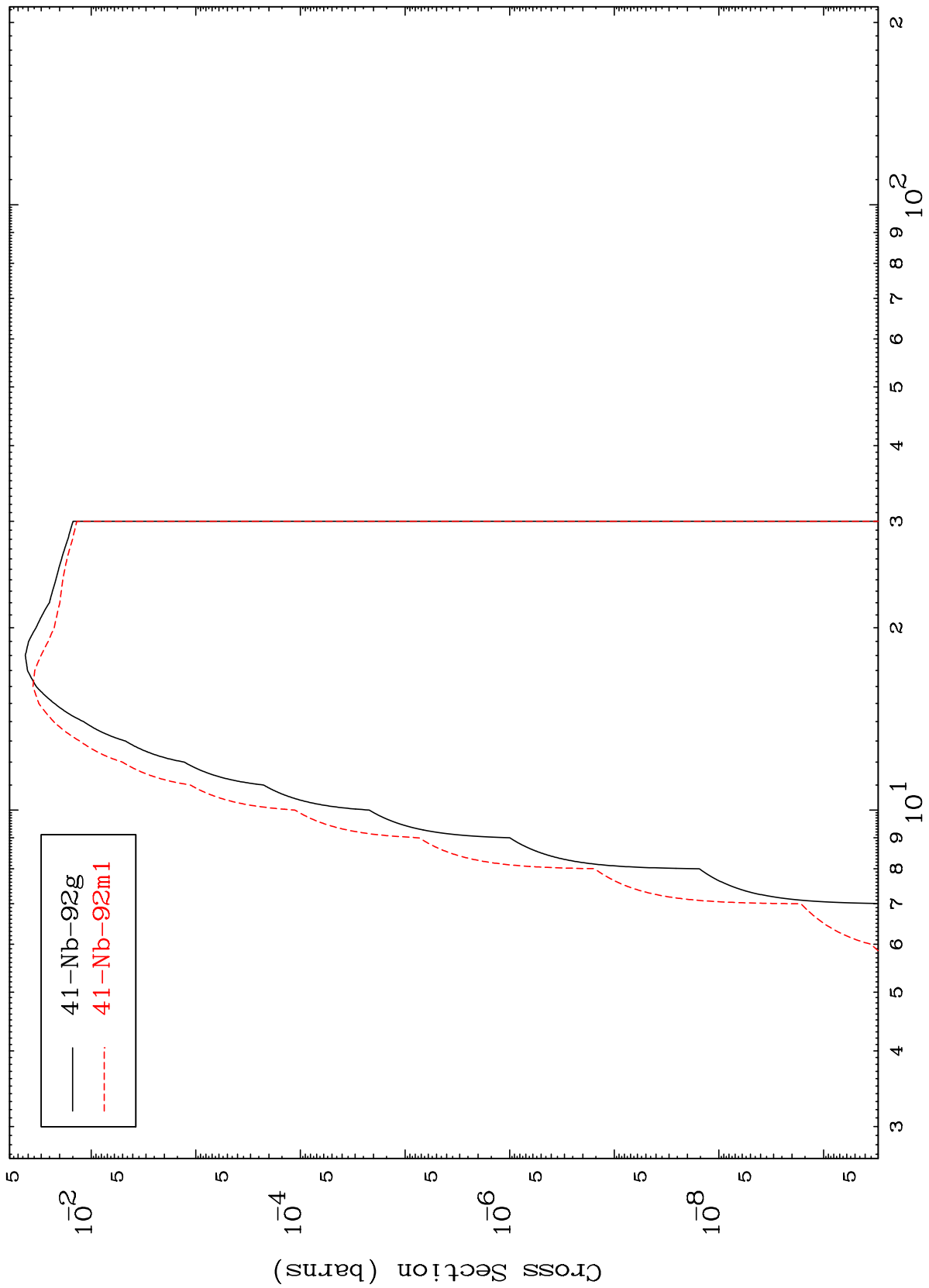
Incident Energy (MeV)

40-Zr-89

MAT 4023

40-Zr-89

(α, p)
Radionuclide Production Cross Section



40-Zr-89

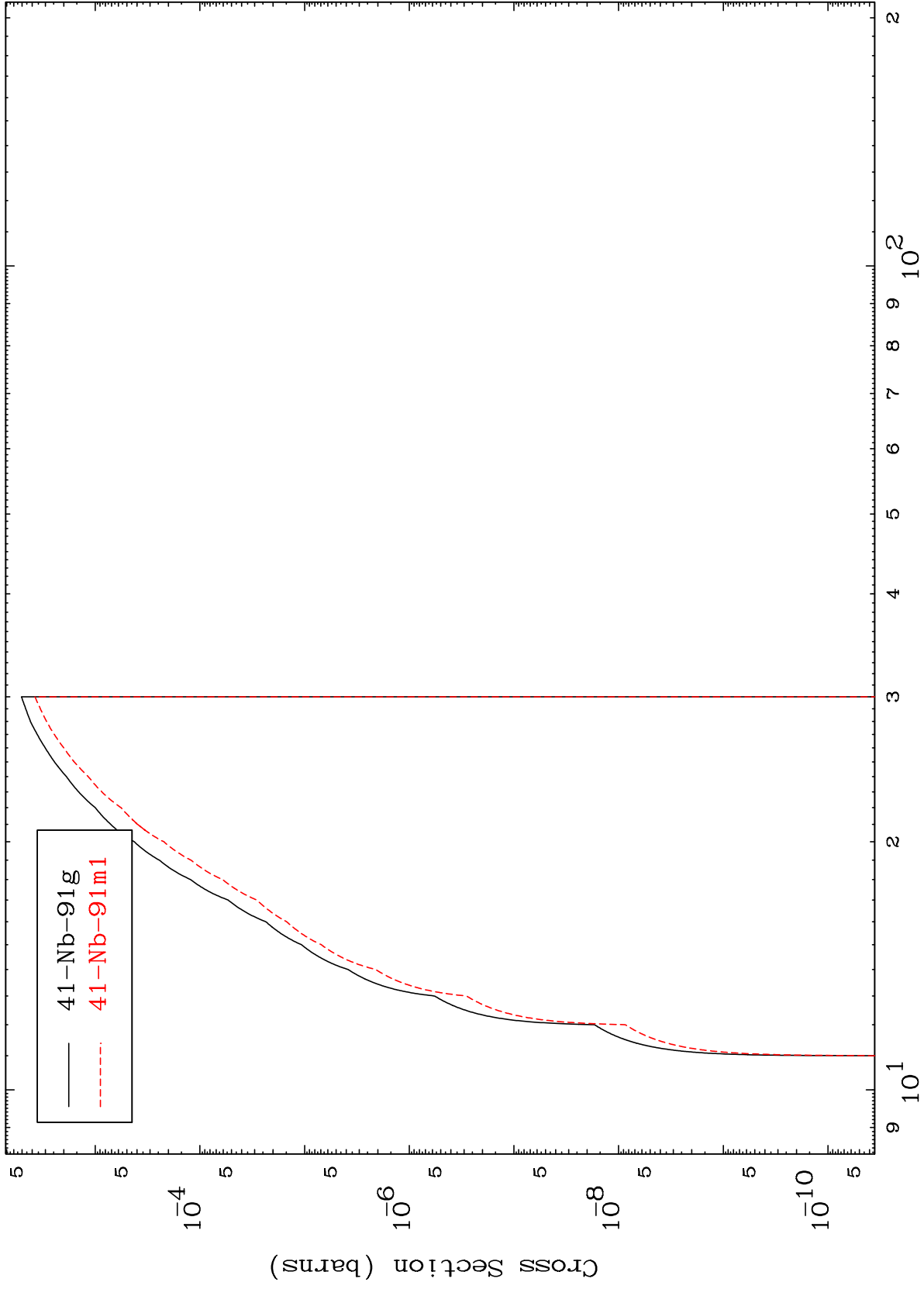
Incident Energy (MeV)

21

MAT 4023

40-Zr-89

(α, d)
Radionuclide Production Cross Section

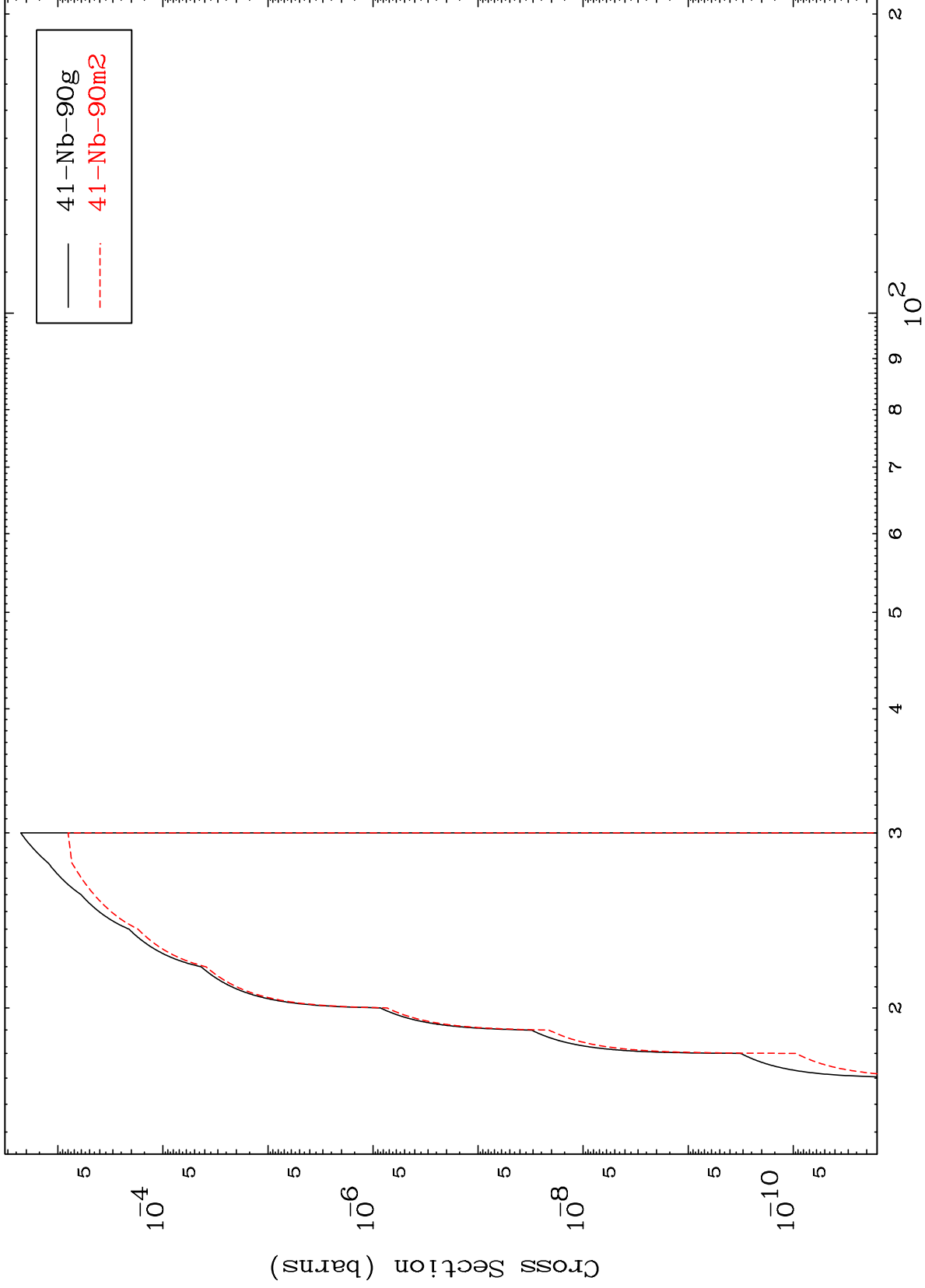


40-Zr-89

Incident Energy (MeV)

22

Radionuclide Production Cross Section

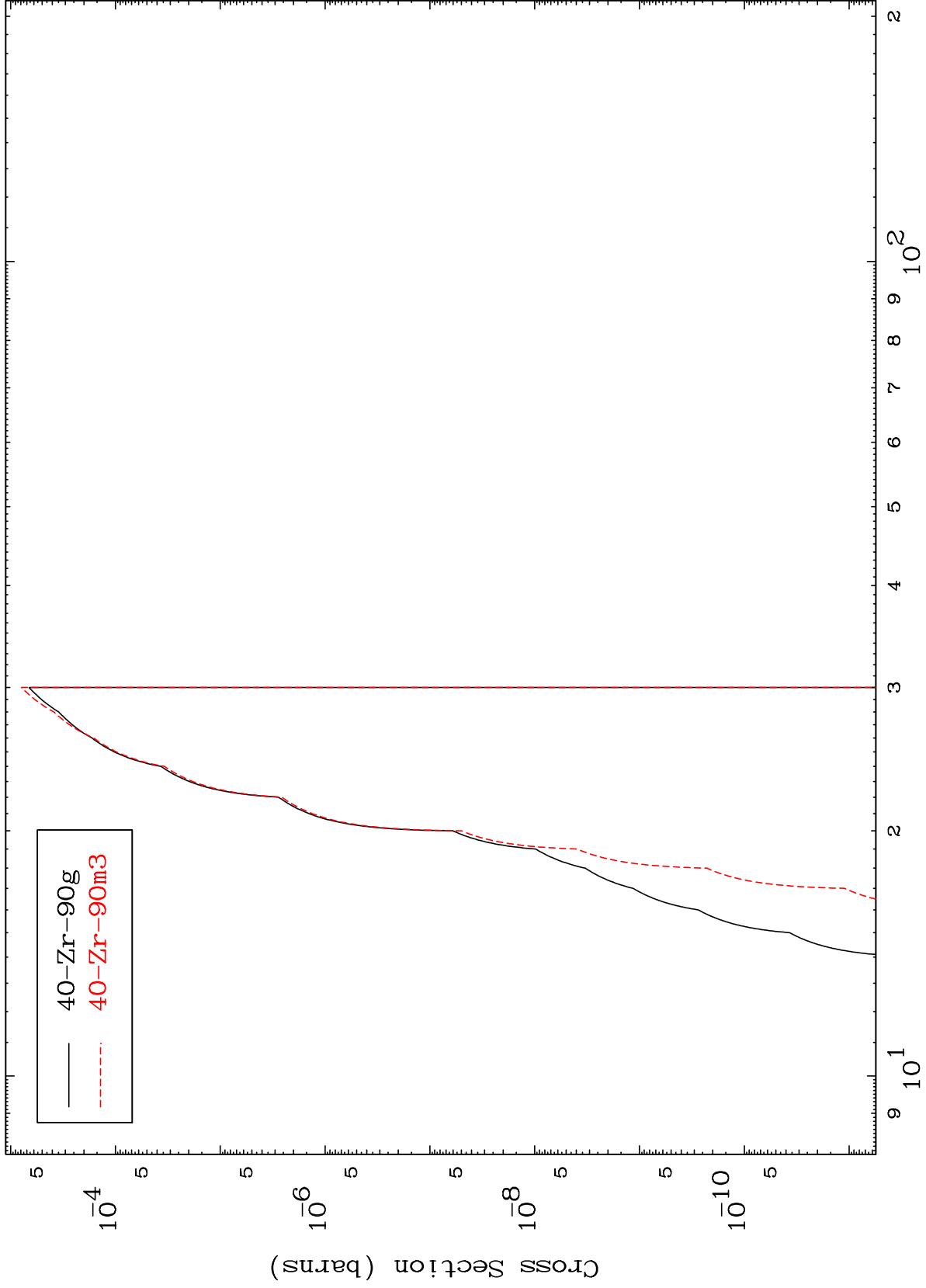


MAT 4023

(α ,He-3)

40-Zr-89

Radionuclide Production Cross Section



24

Incident Energy (MeV)

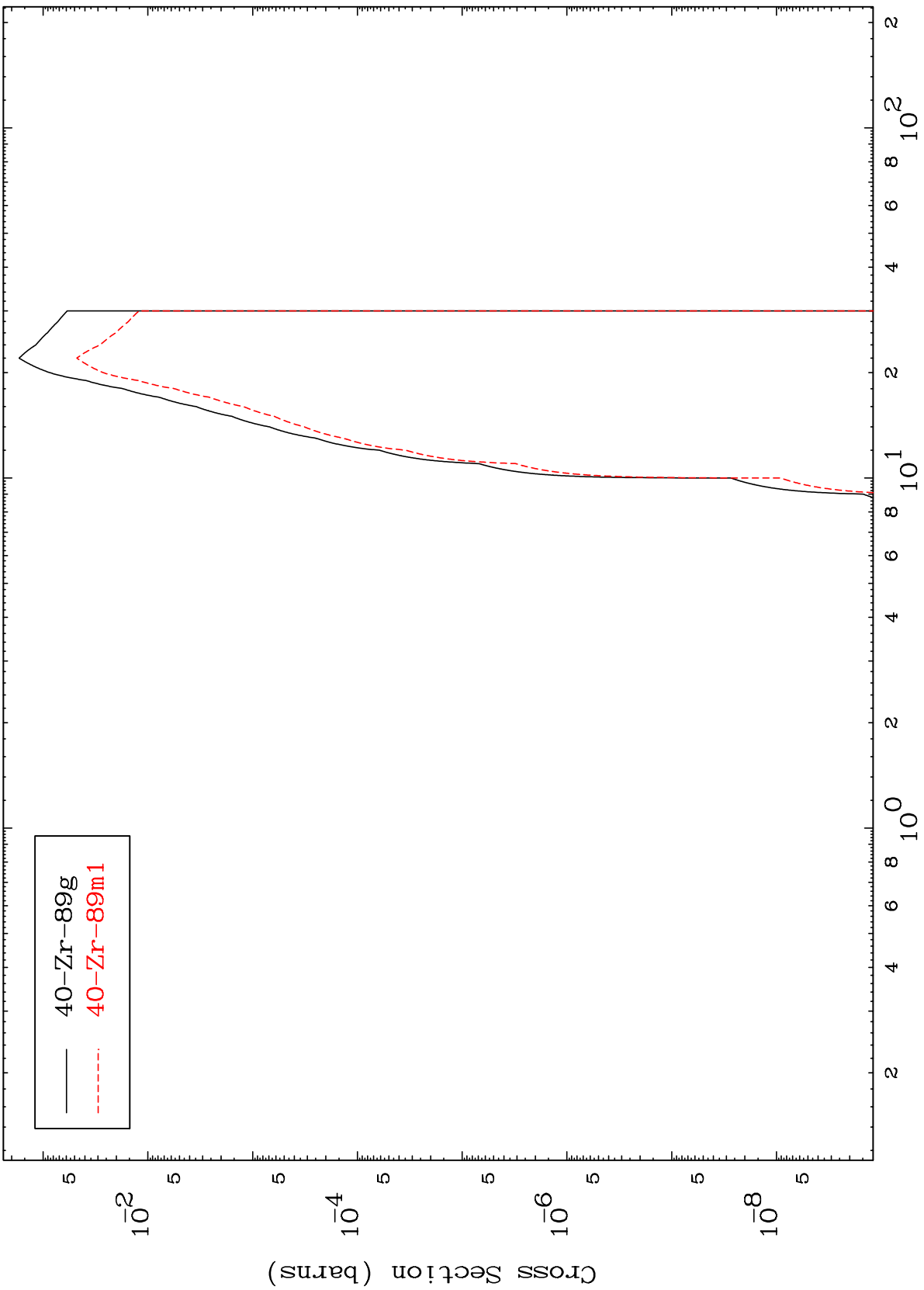
40-Zr-89

MAT 4023

(α, α)

40-Zr-89

Radionuclide Production Cross Section

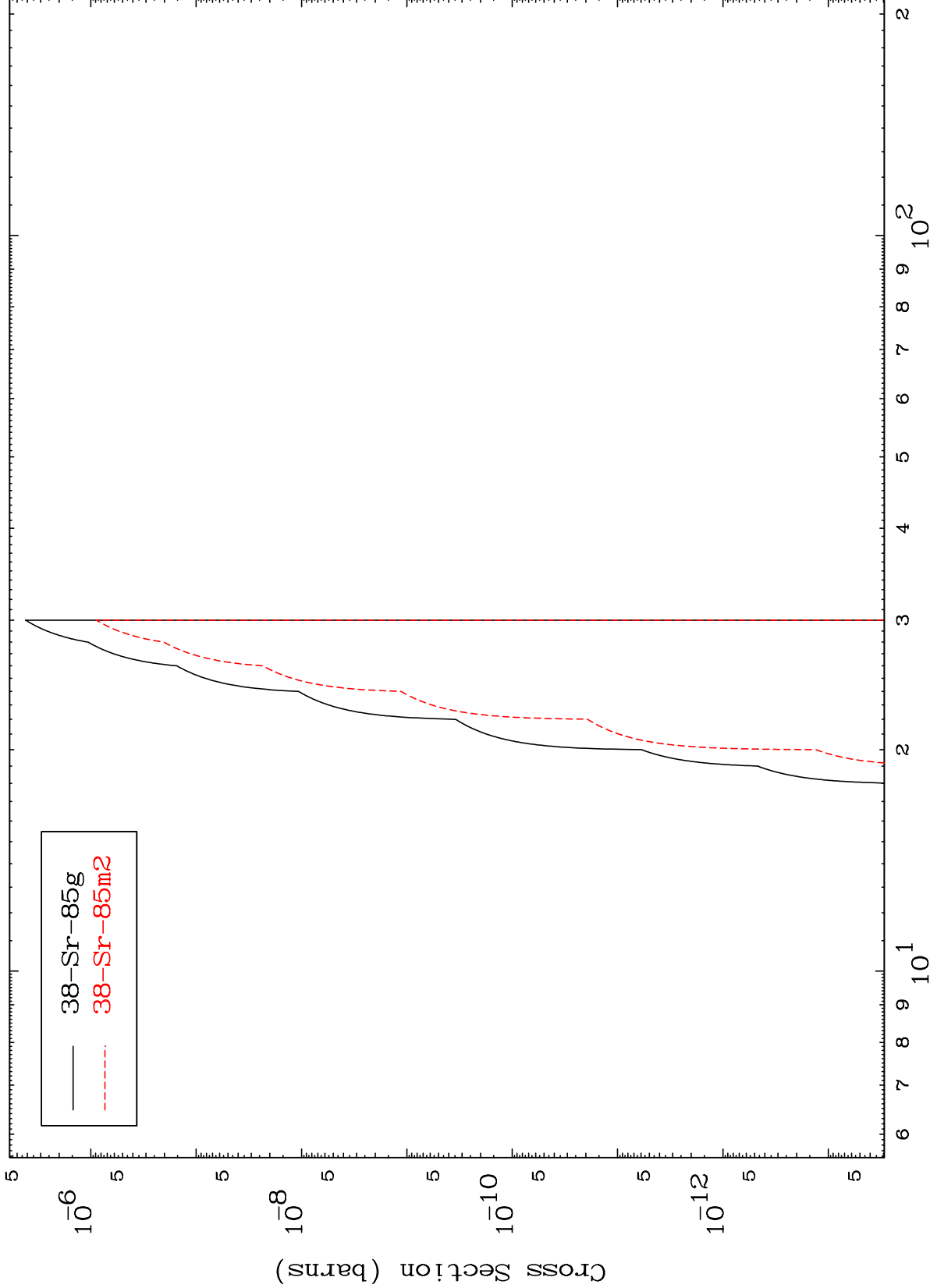


— 40-Zr-89g
- - - 40-Zr-89m1

MAT 4023

40-Zr-89

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



38-Sr-85g
38-Sr-85m2

40-Zr-89

Incident Energy (MeV)

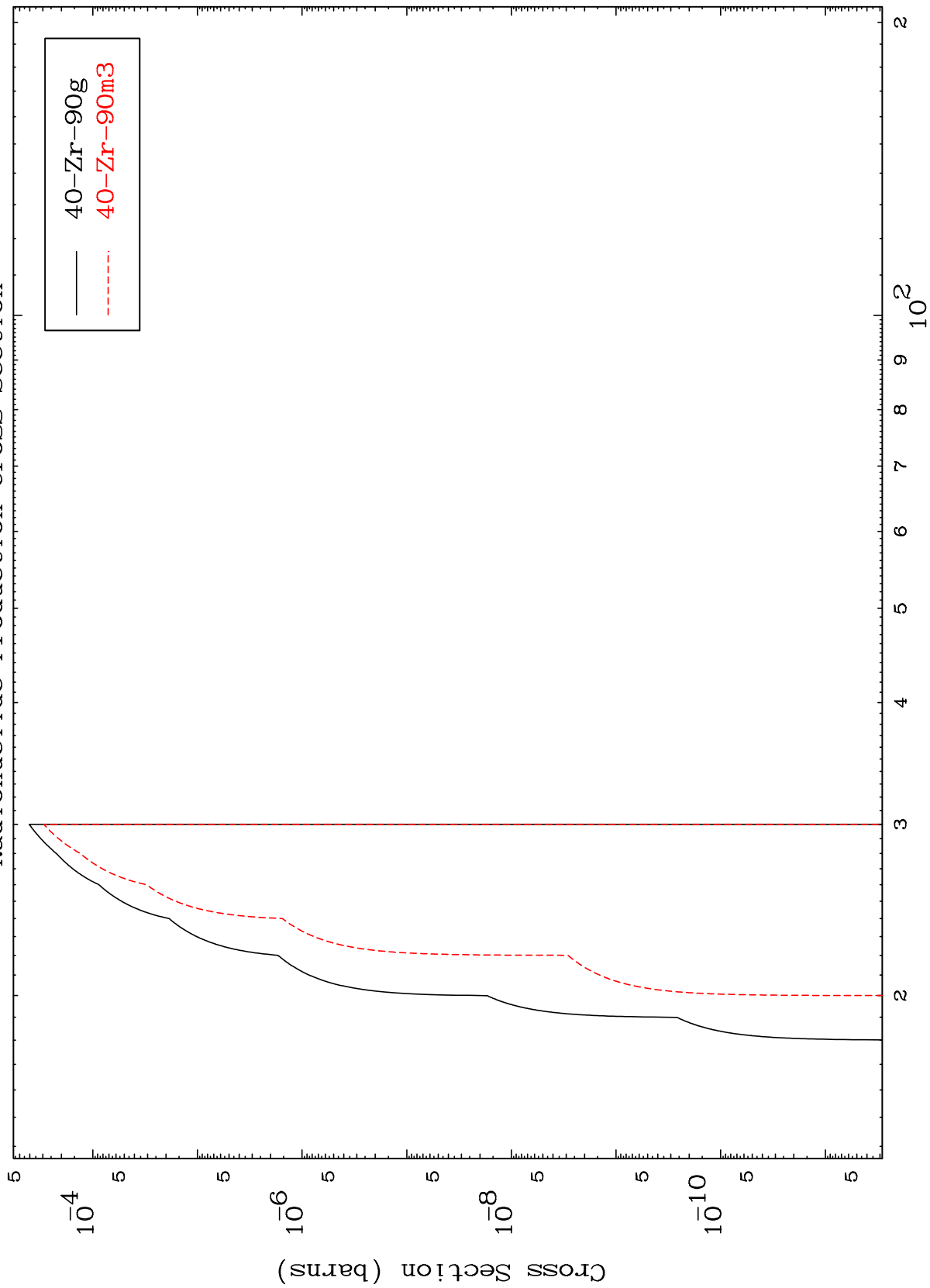
26

MAT 4023

(α, p) d

40-Zr-89

Radionuclide Production Cross Section

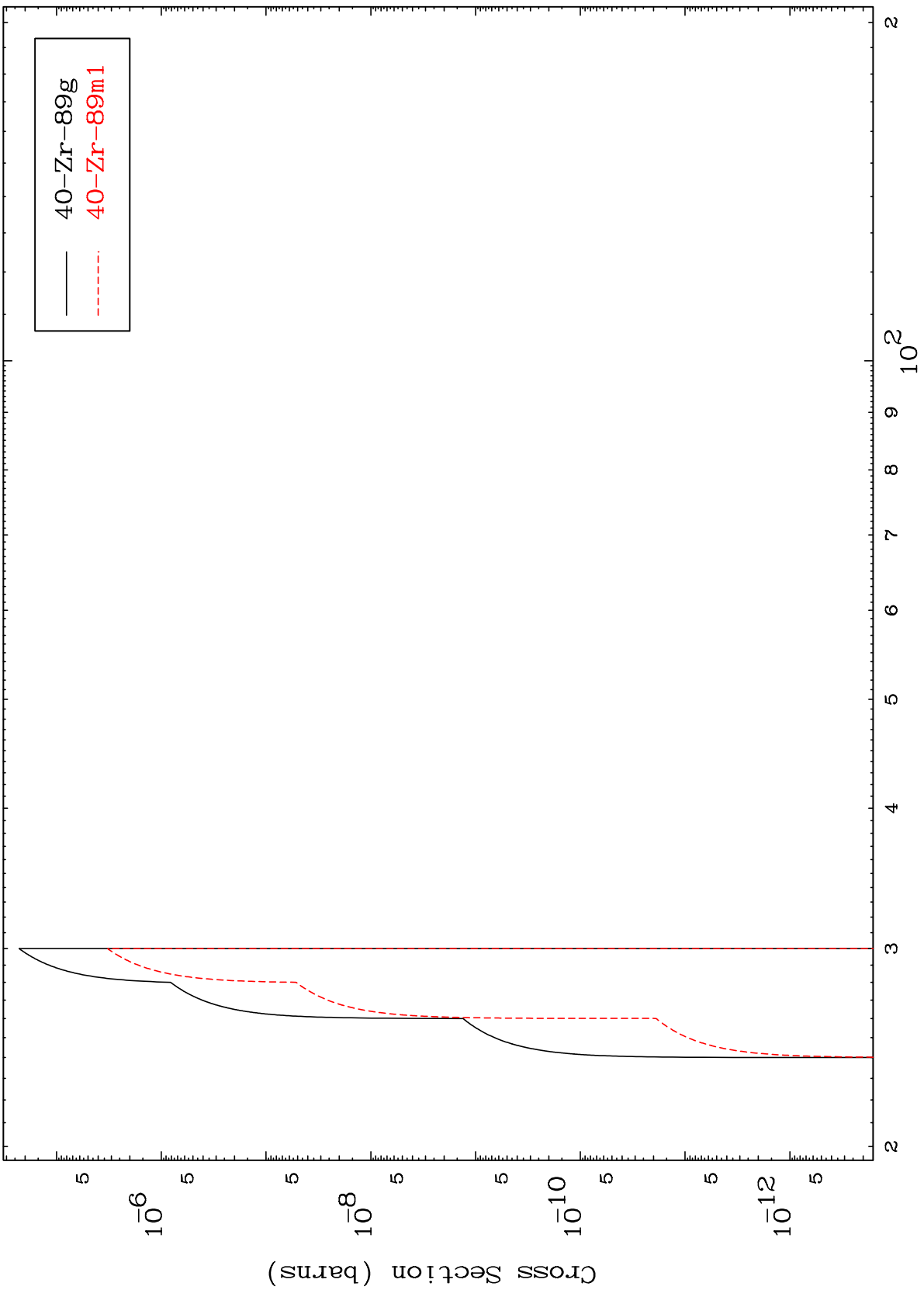


27

Incident Energy (MeV)

40-Zr-89

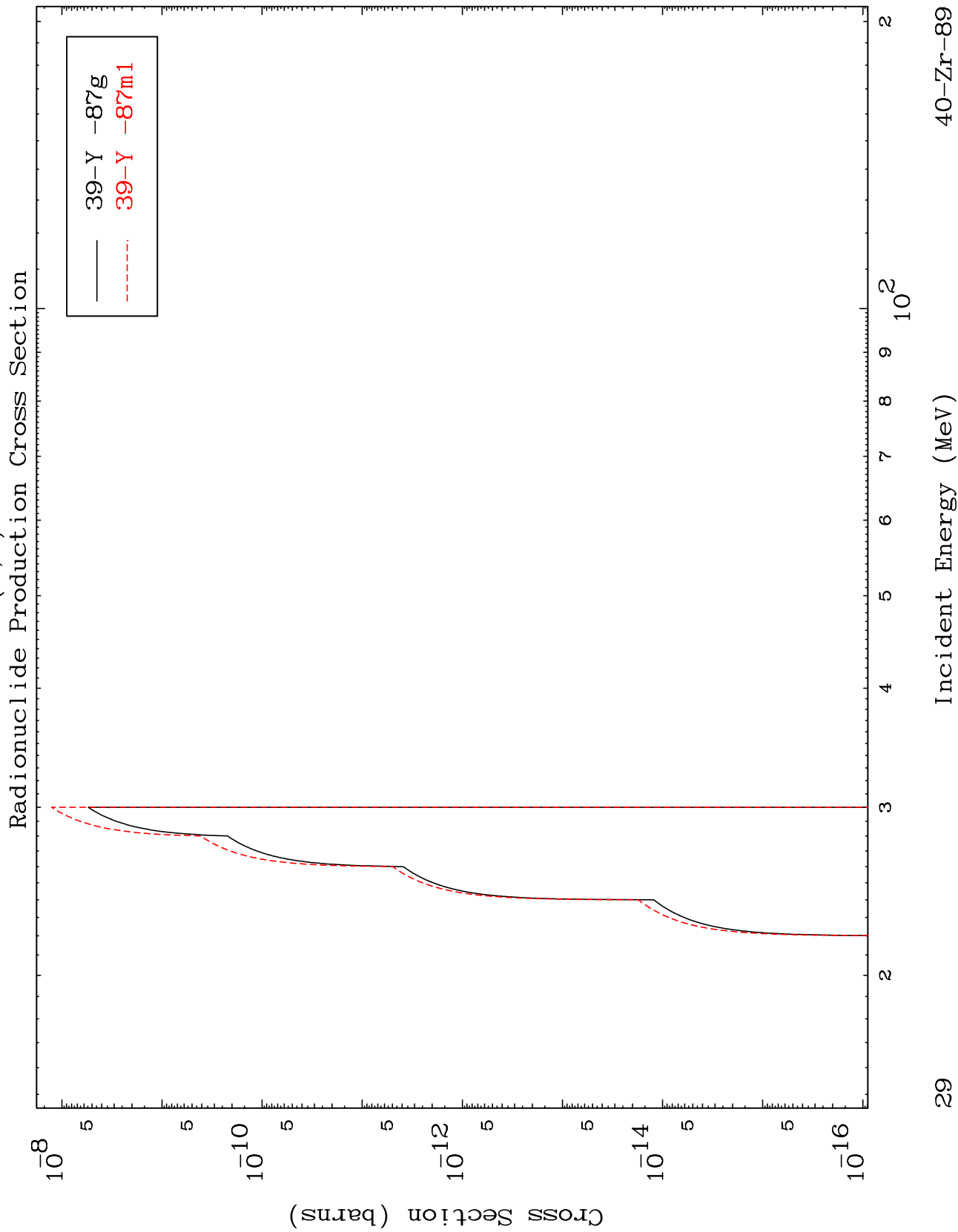
Radionuclide Production Cross Section



MAT 4023

(α, d) α

40-Zr-89



29

40-Zr-89