

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

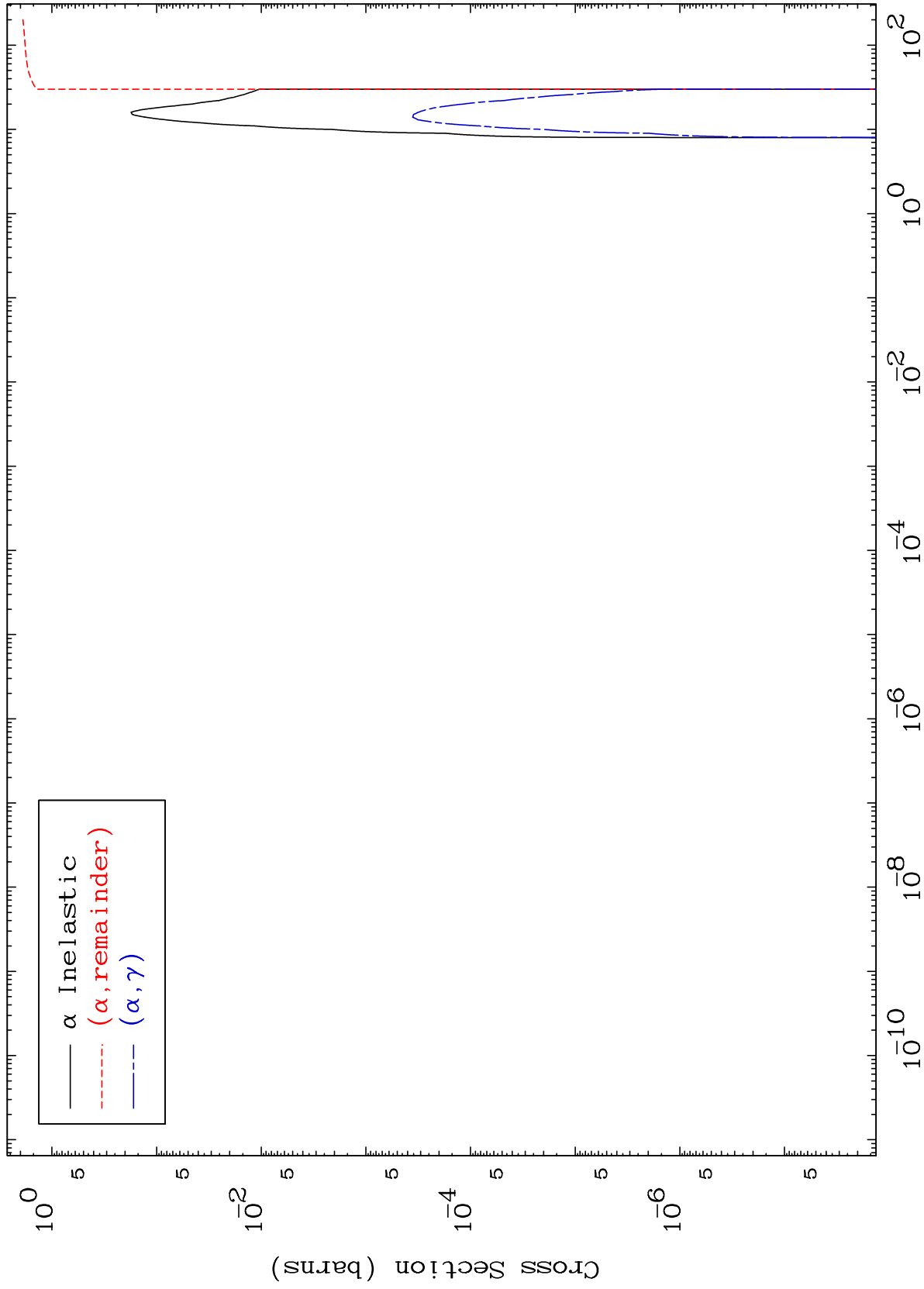
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4016

0 Kelvin α Major
Cross Sections

40-Zr-87

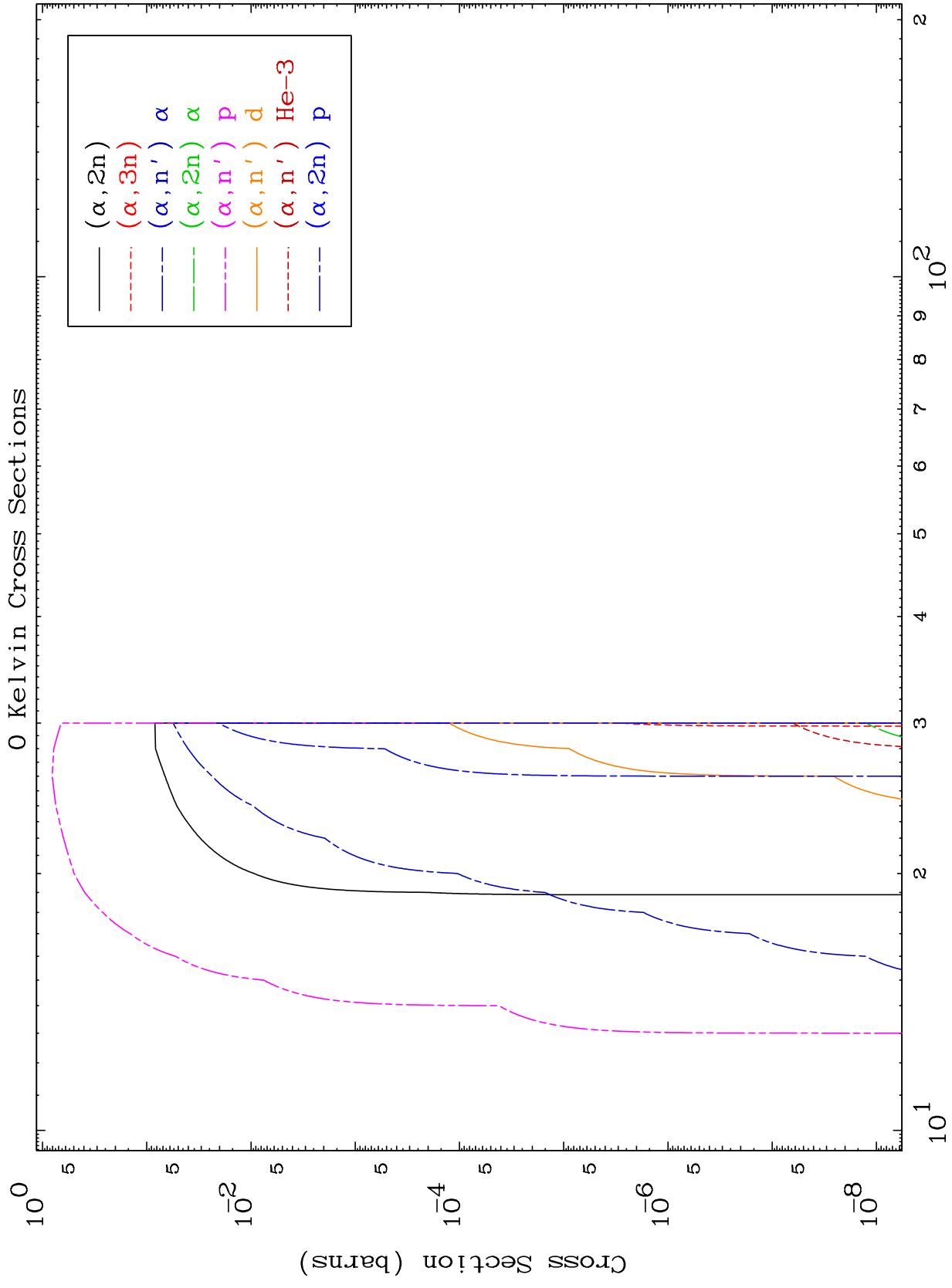


40-Zr-87

MAT 4016

α Neutron Production
0 Kelvin Cross Sections

40-Zr-87



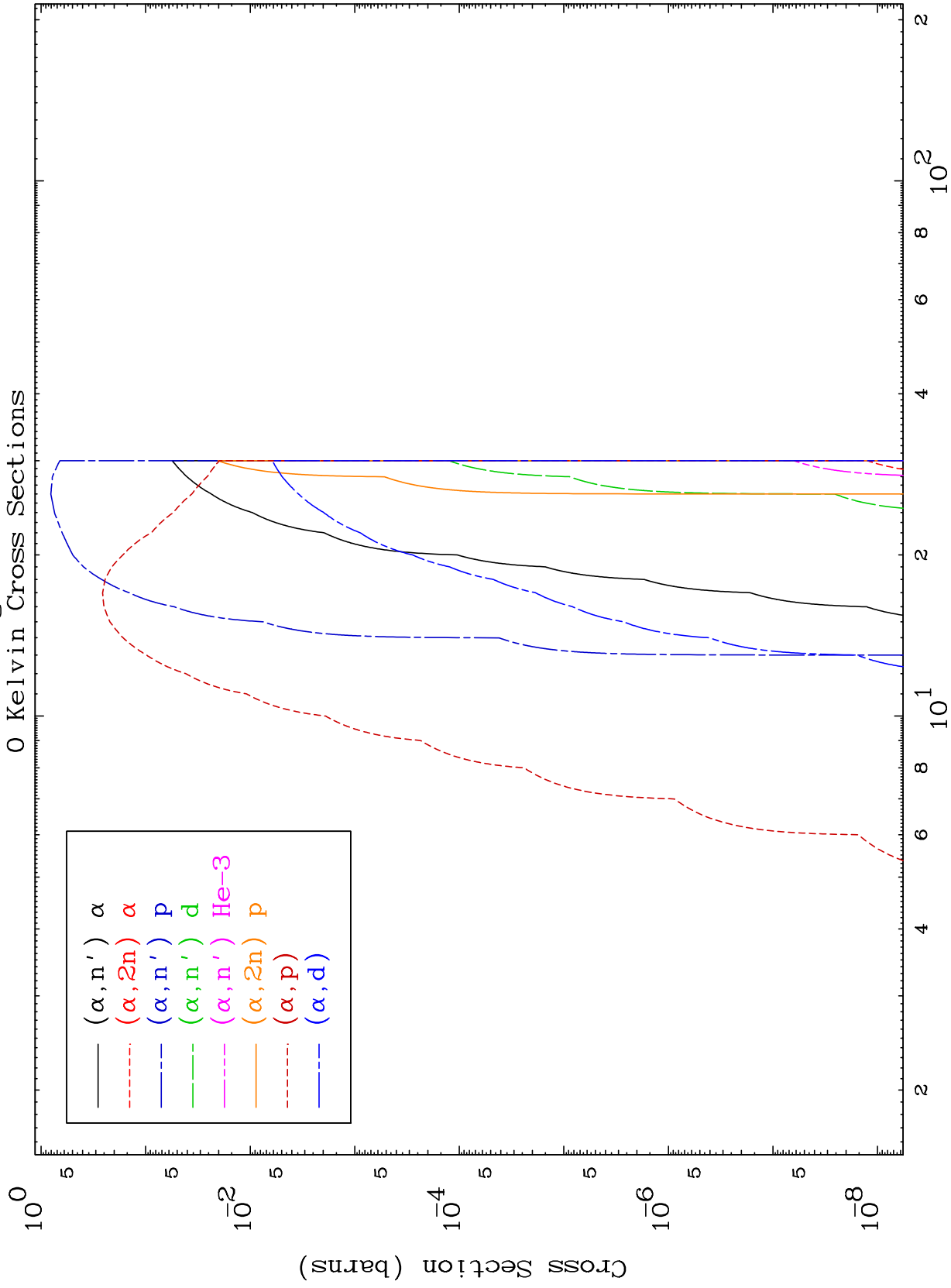
Incident Energy (MeV)

40-Zr-87

MAT 4016

α Charged Particle
0 Kelvin Cross Sections

40-Zr-87



3

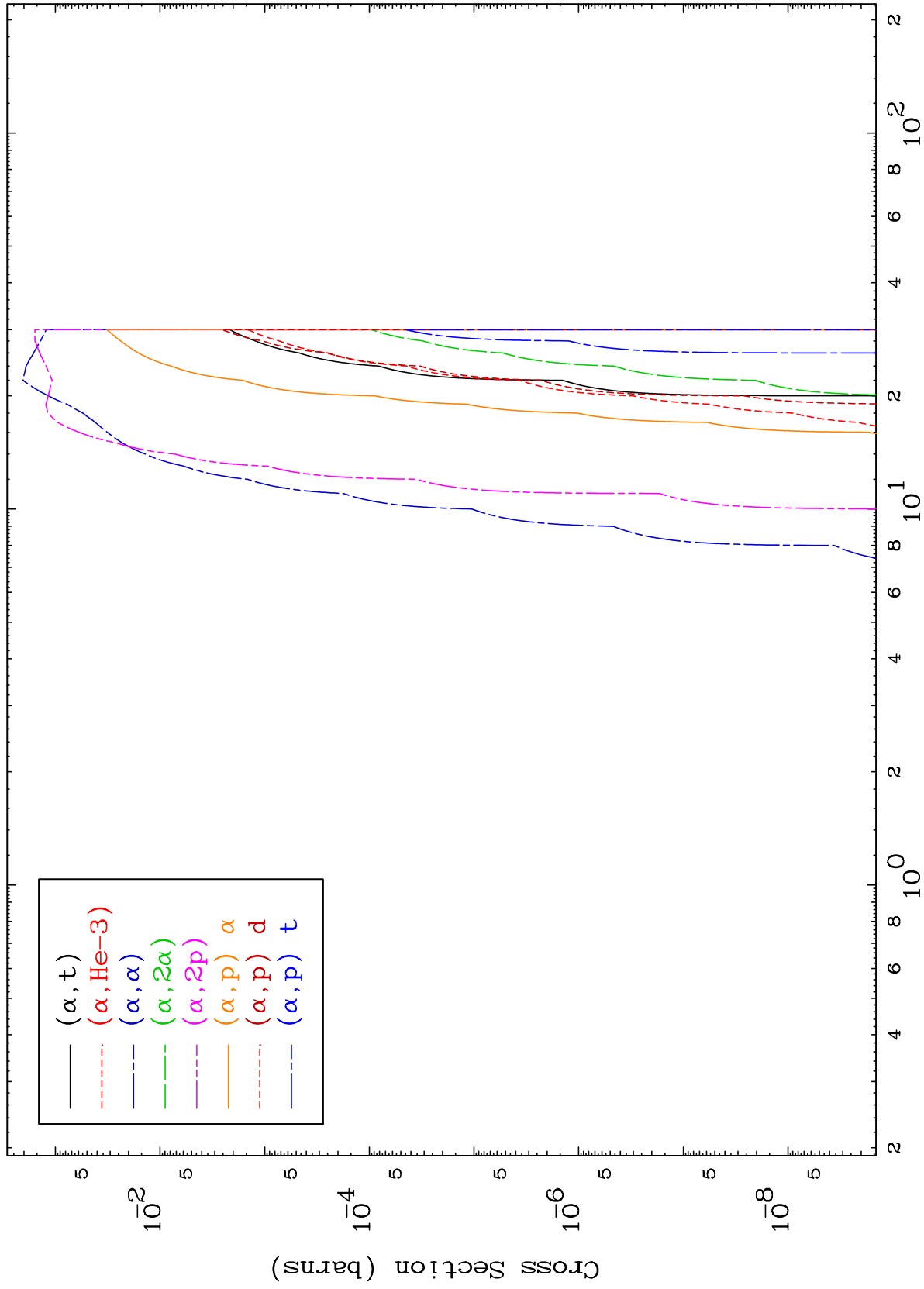
Incident Energy (MeV)

40-Zr-87

MAT 4016

α Charged Particle
0 Kelvin Cross Sections

40-Zr-87

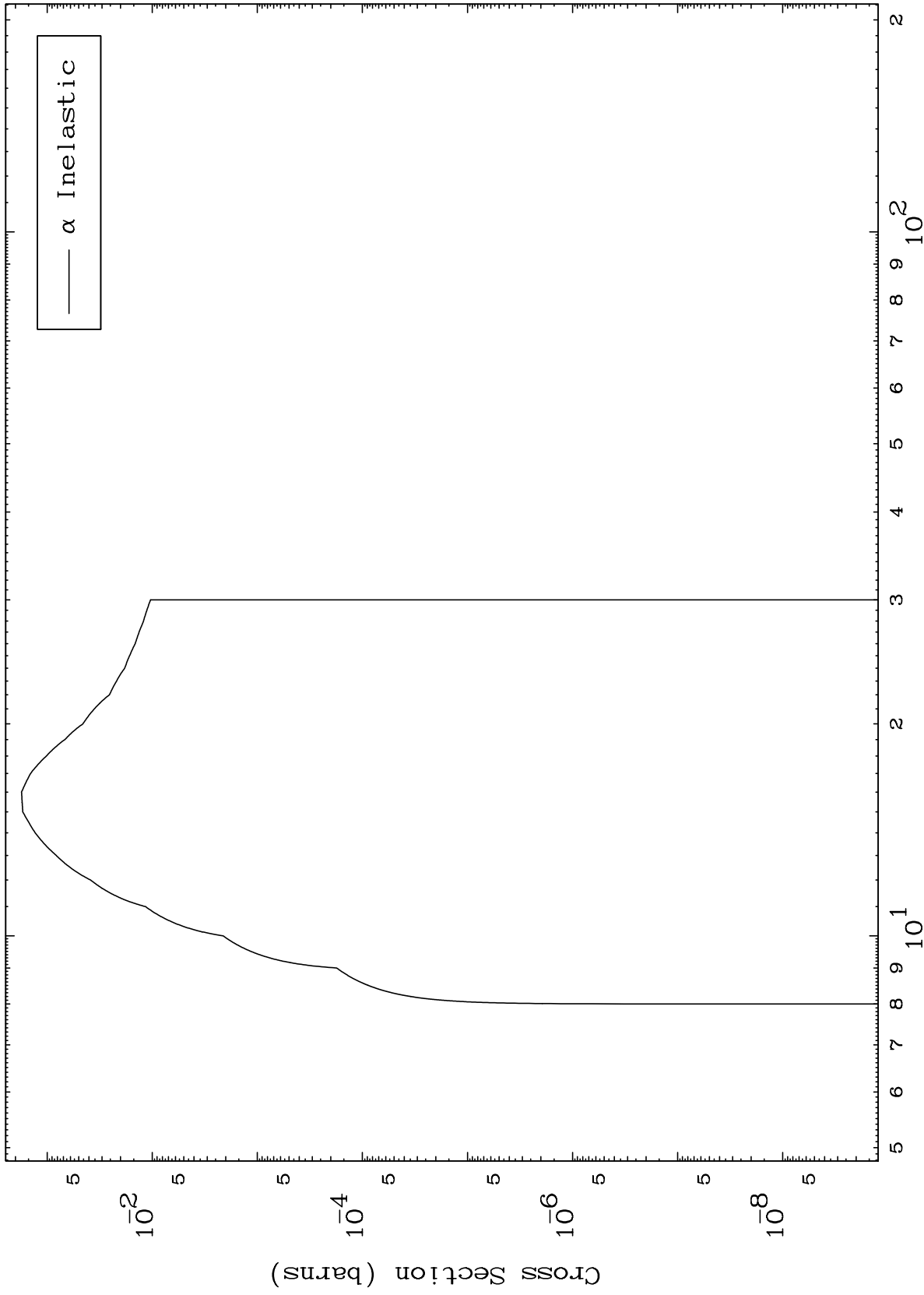


4

MAT 4016

(α, n') Level
0 Kelvin Cross Sections

40-Zr-87



5

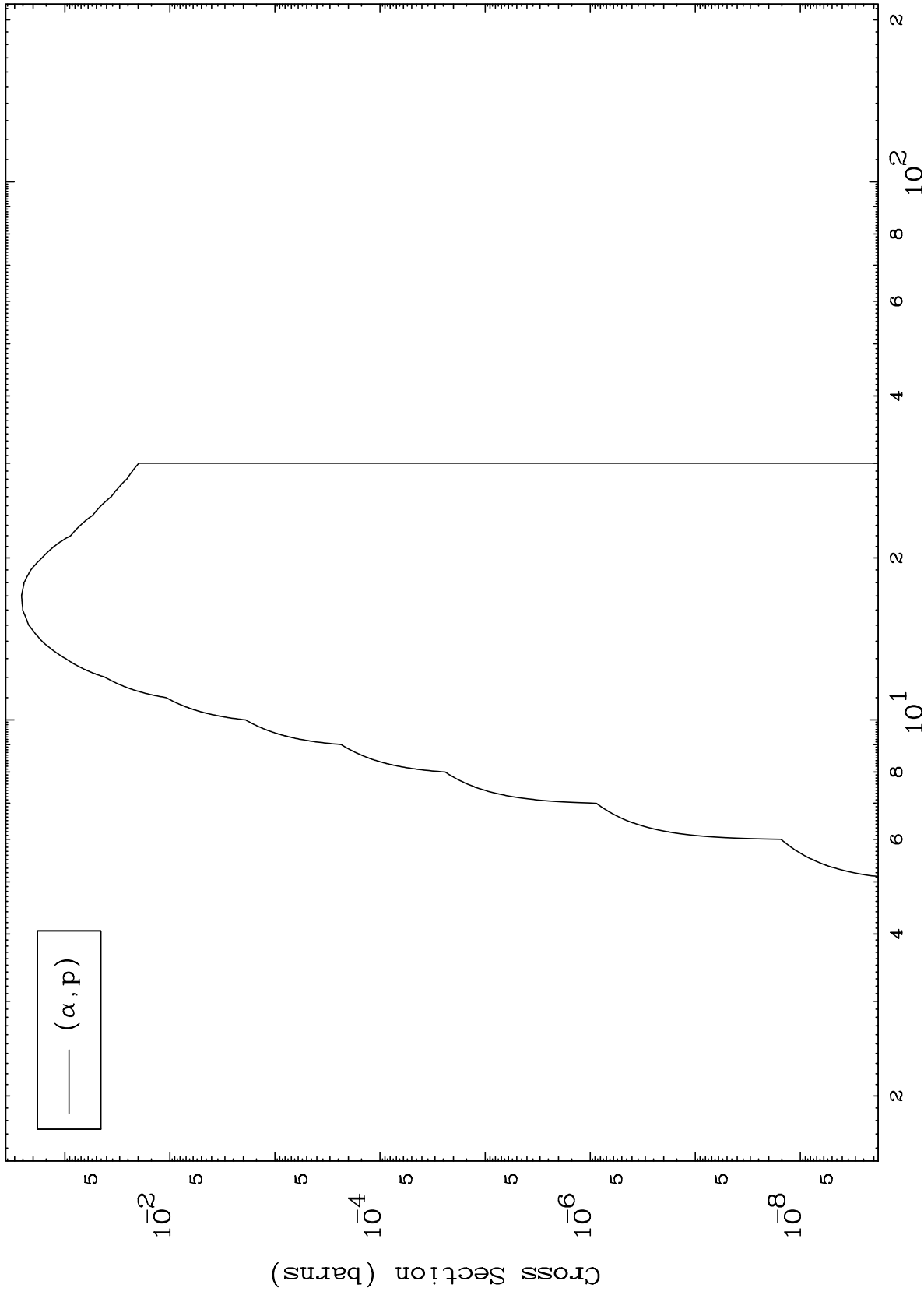
Incident Energy (MeV)

40-Zr-87

MAT 4016

(α, p) Levels
0 Kelvin Cross Sections

40-Zr-87



6

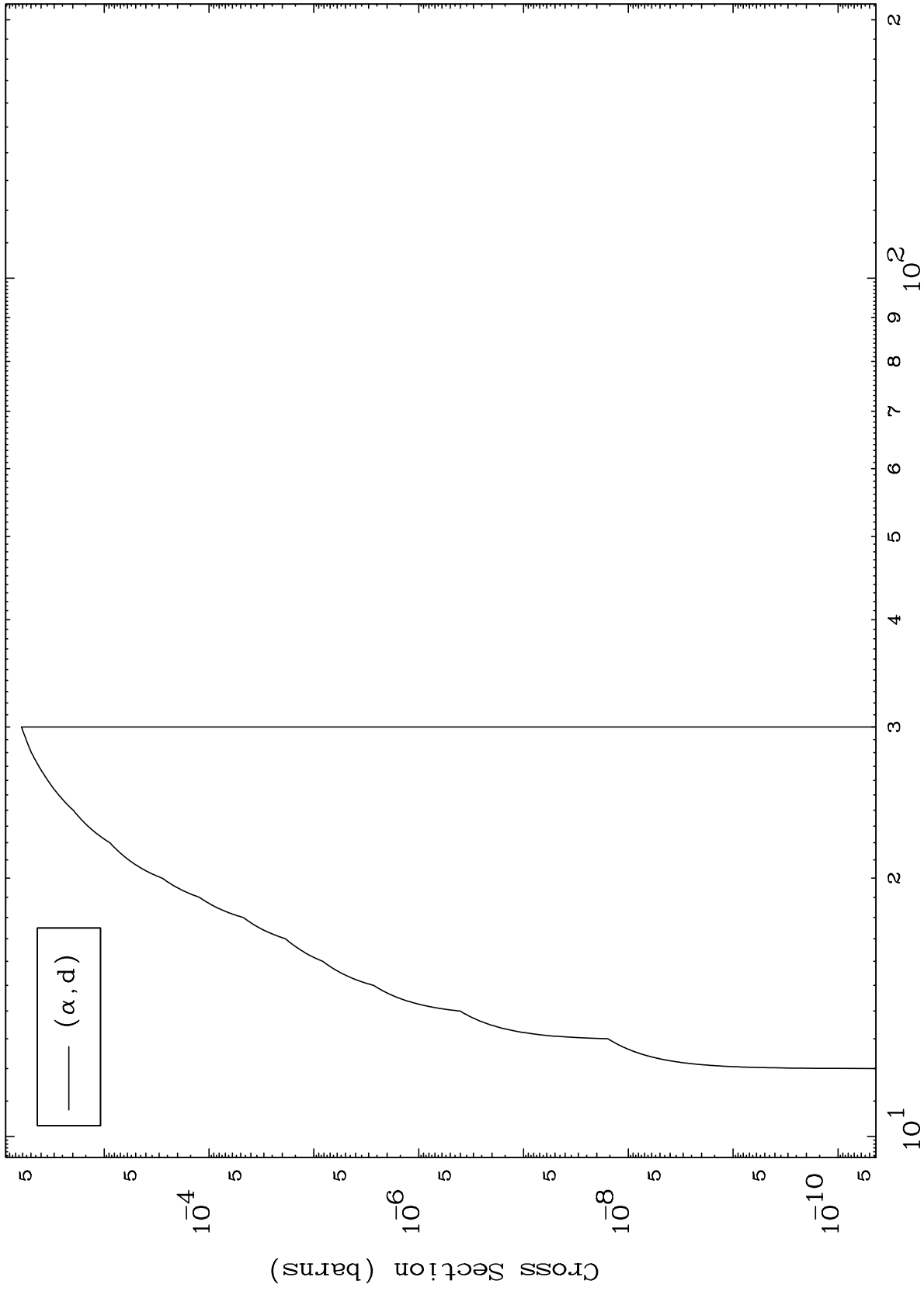
Incident Energy (MeV)

40-Zr-87

MAT 4016

(α, d) Levels
0 Kelvin Cross Sections

40-Zr-87



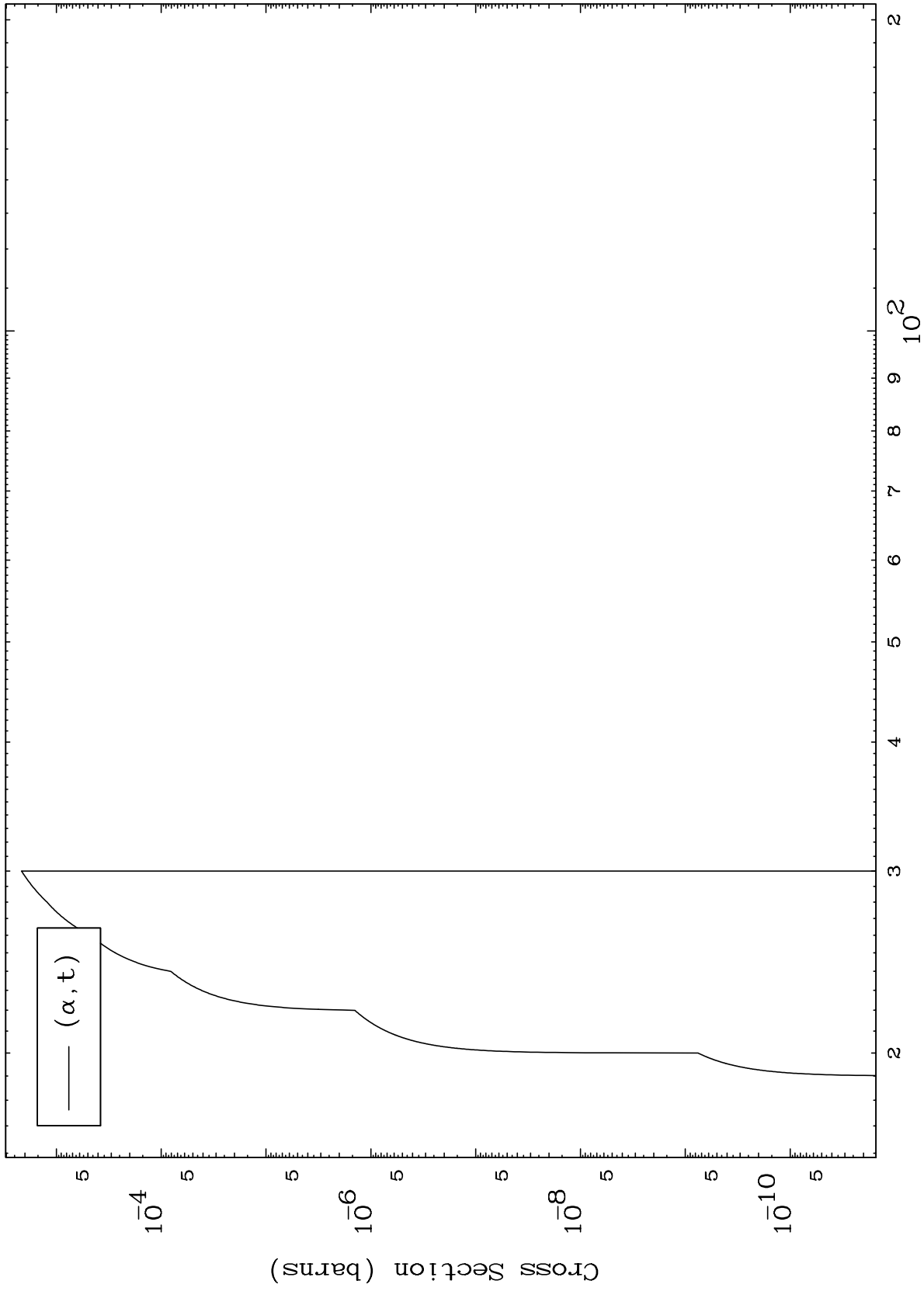
Incident Energy (MeV)

40-Zr-87

MAT 4016

(α, t) Levels
0 Kelvin Cross Sections

40-Zr-87



8

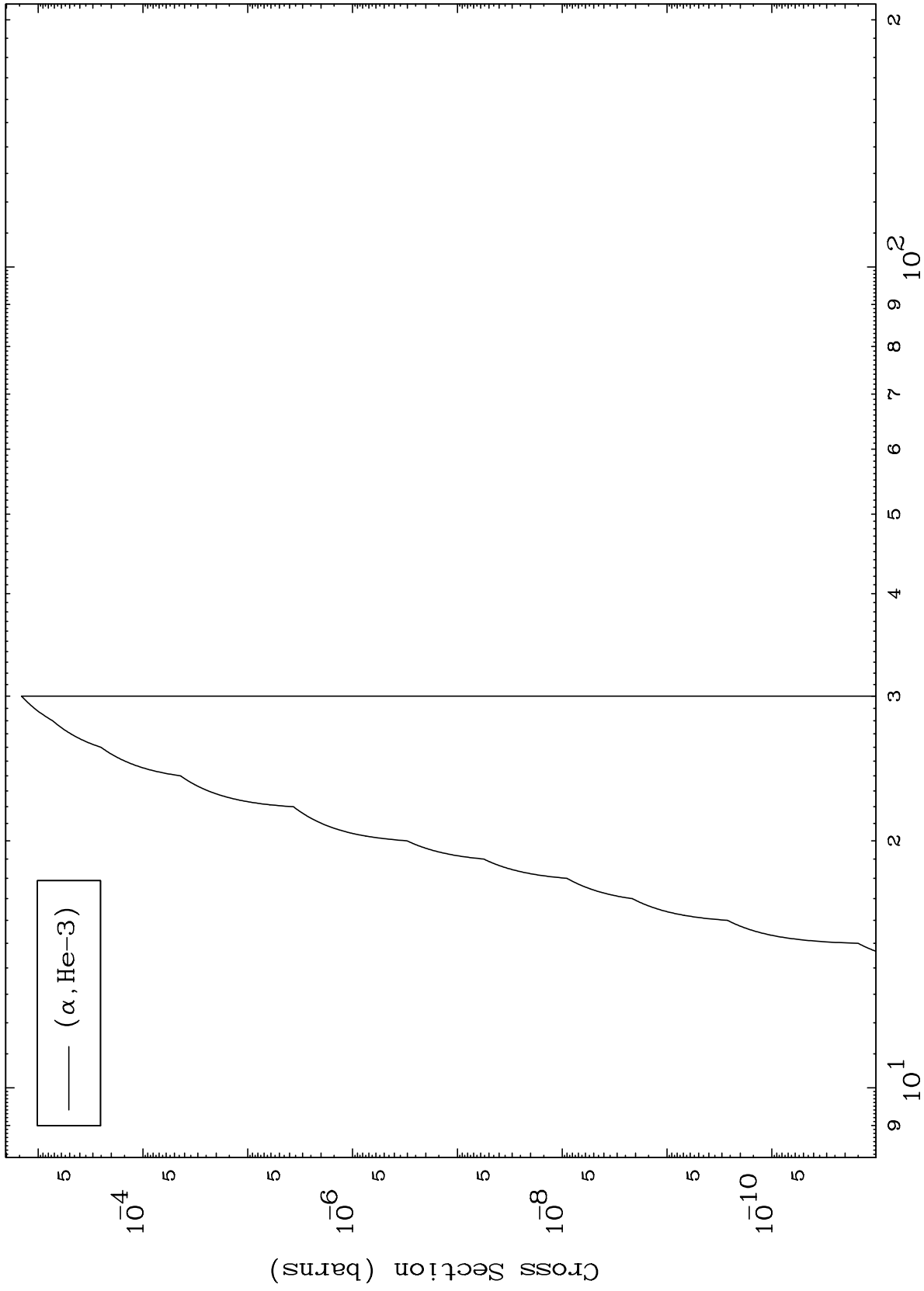
Incident Energy (MeV)

40-Zr-87

MAT 4016

(α ,He3) Levels
0 Kelvin Cross Sections

40-Zr-87



9

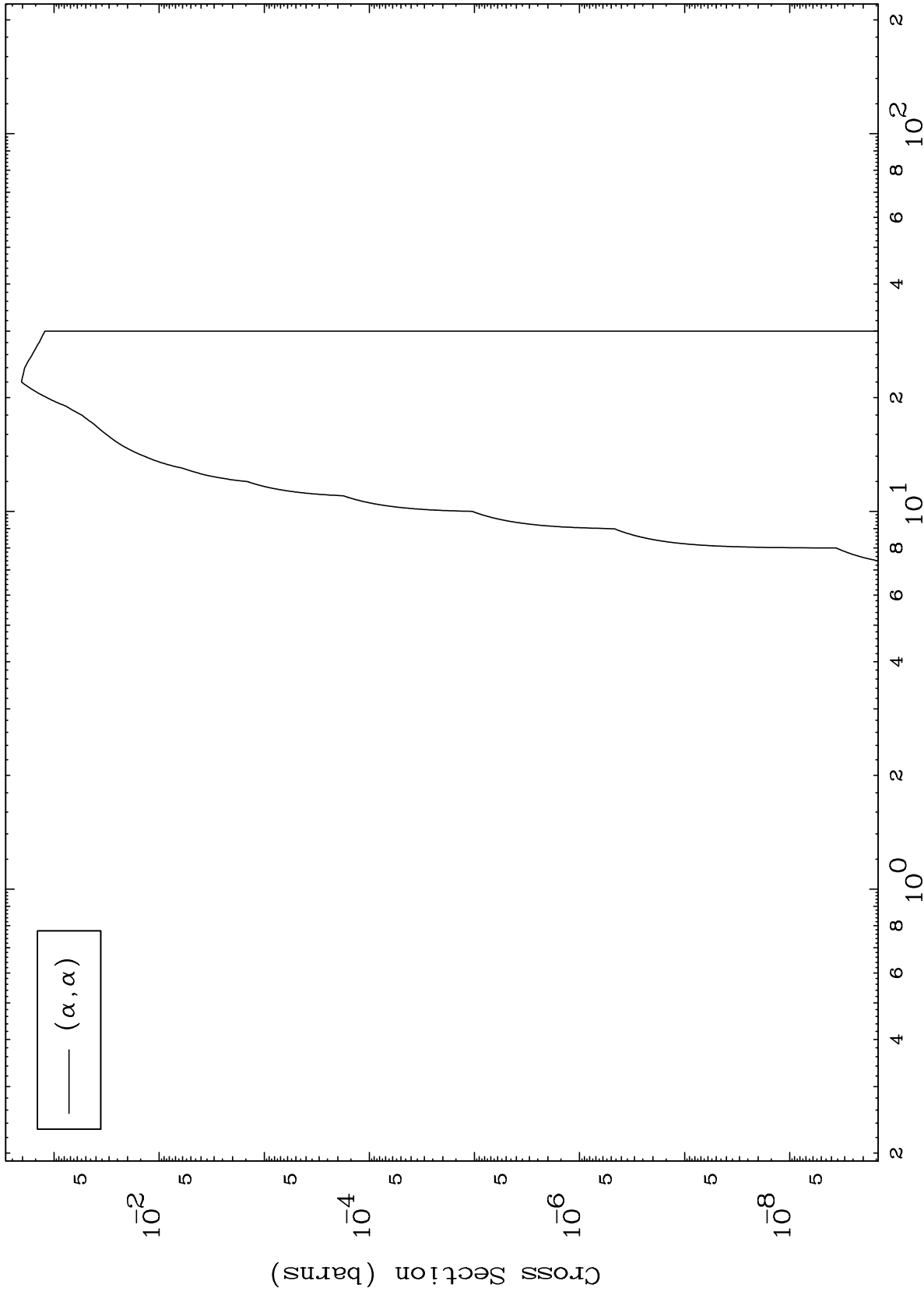
Incident Energy (MeV)

40-Zr-87

MAT 4016

(α, α) Levels
0 Kelvin Cross Sections

40-Zr-87



10

Incident Energy (MeV)

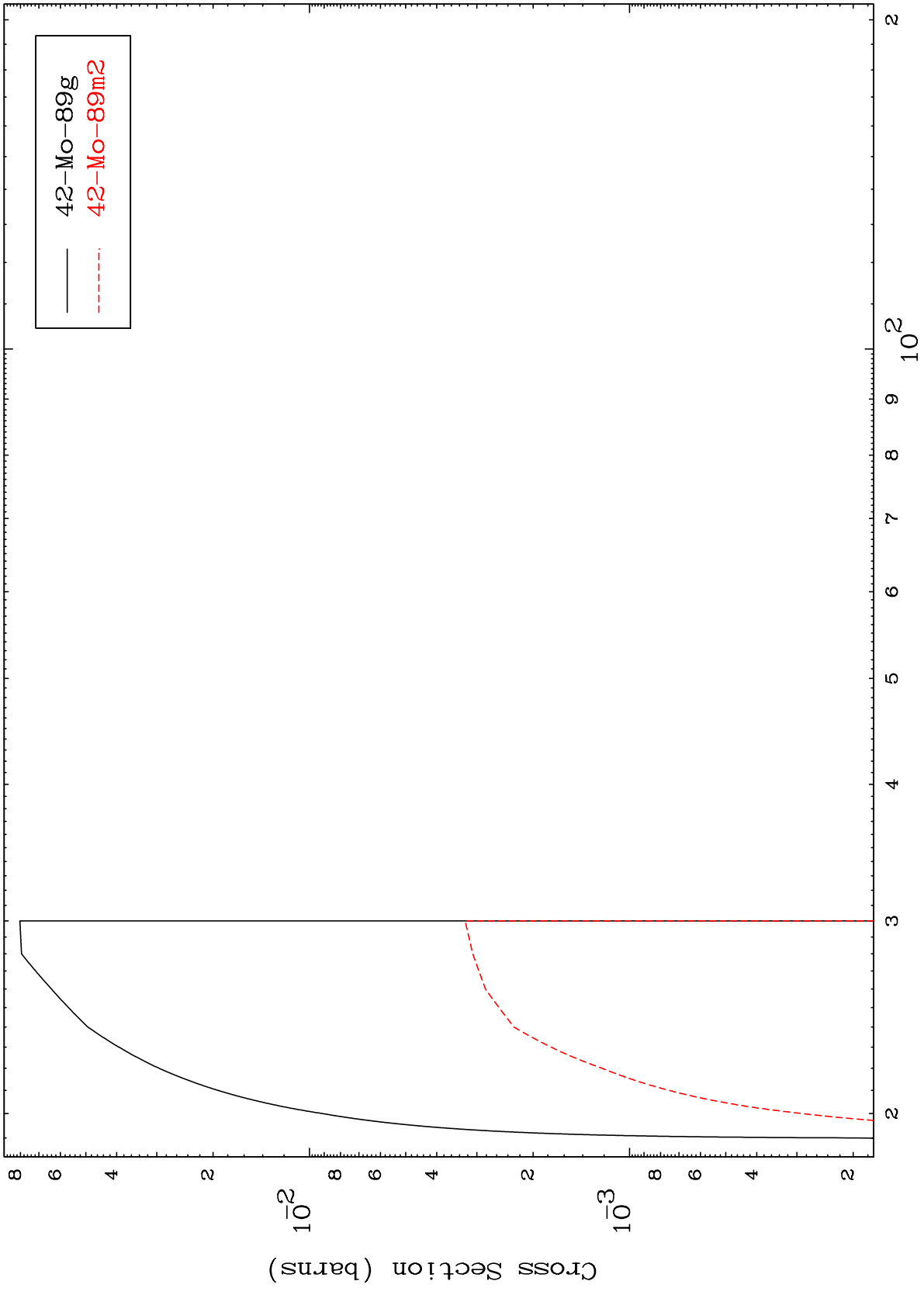
40-Zr-87

MAT 4016

($\alpha, 2n$)

40-Zr-87

Radionuclide Production Cross Section



42-Mo-89g
42-Mo-89m2

11

Incident Energy (MeV)

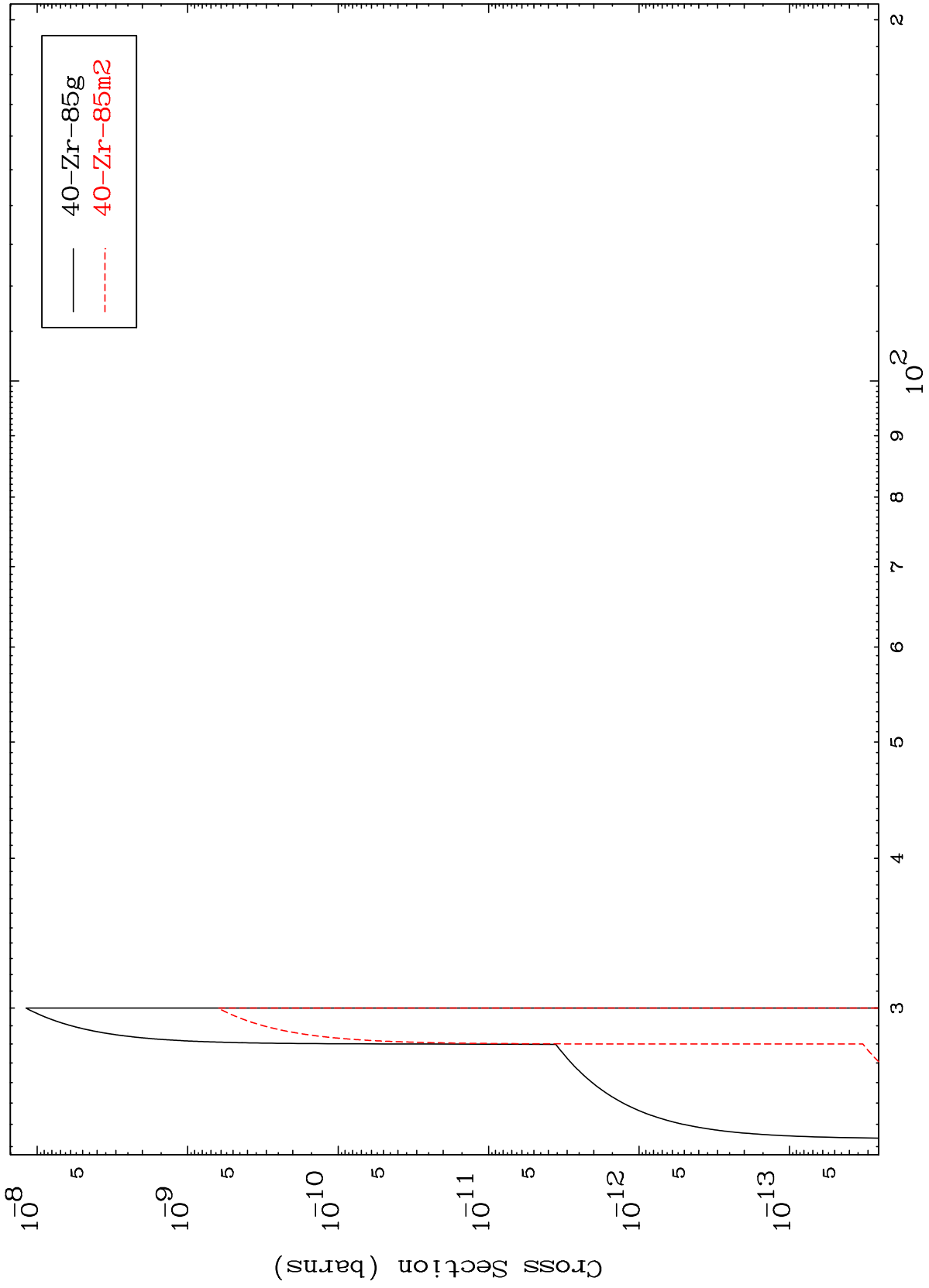
40-Zr-87

MAT 4016

($\alpha, 2n$) α

40-Zr-87

Radionuclide Production Cross Section



12

Incident Energy (MeV)

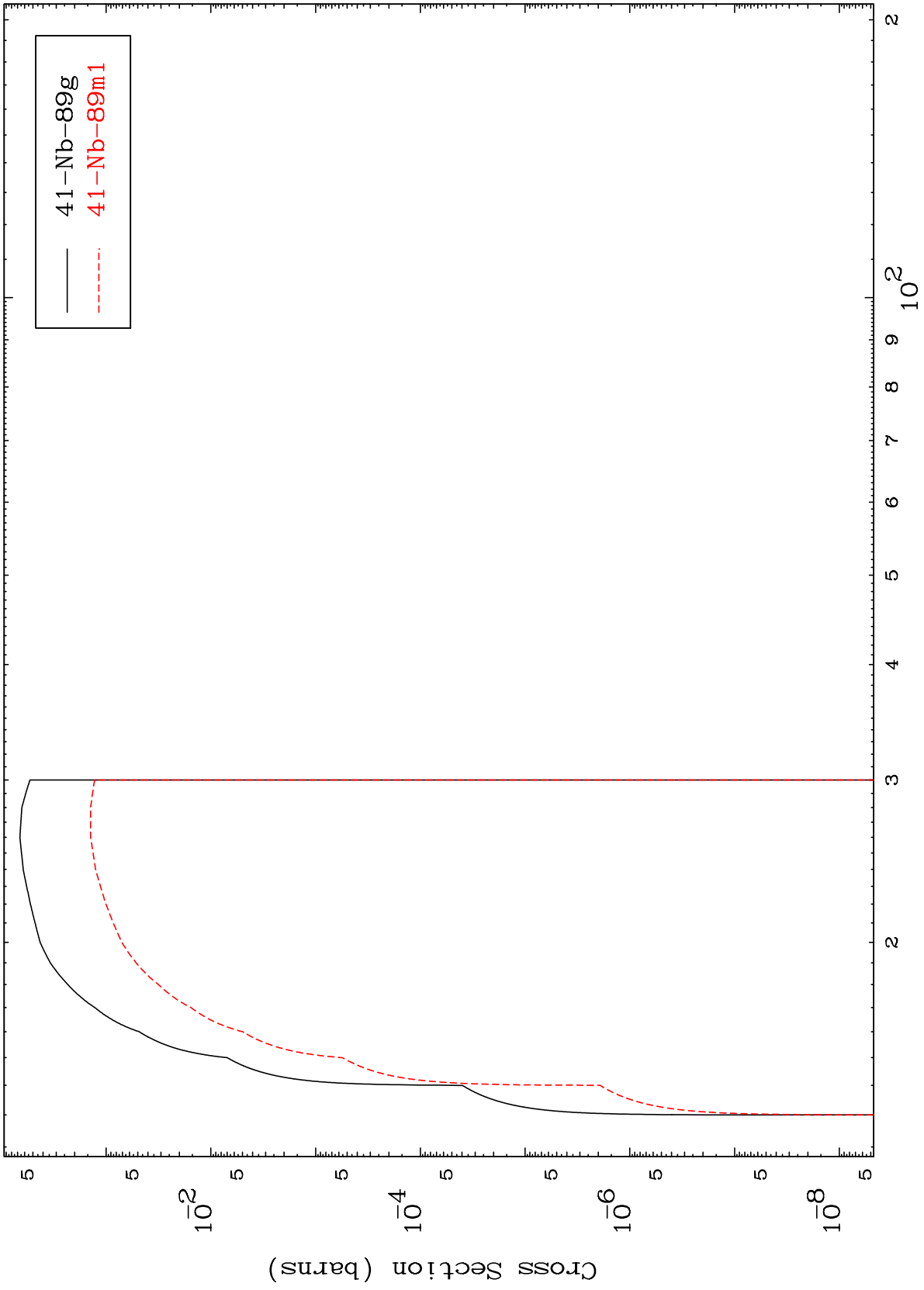
40-Zr-87

MAT 4016

(α, n') p

40-Zr-87

Radionuclide Production Cross Section



13

Incident Energy (MeV)

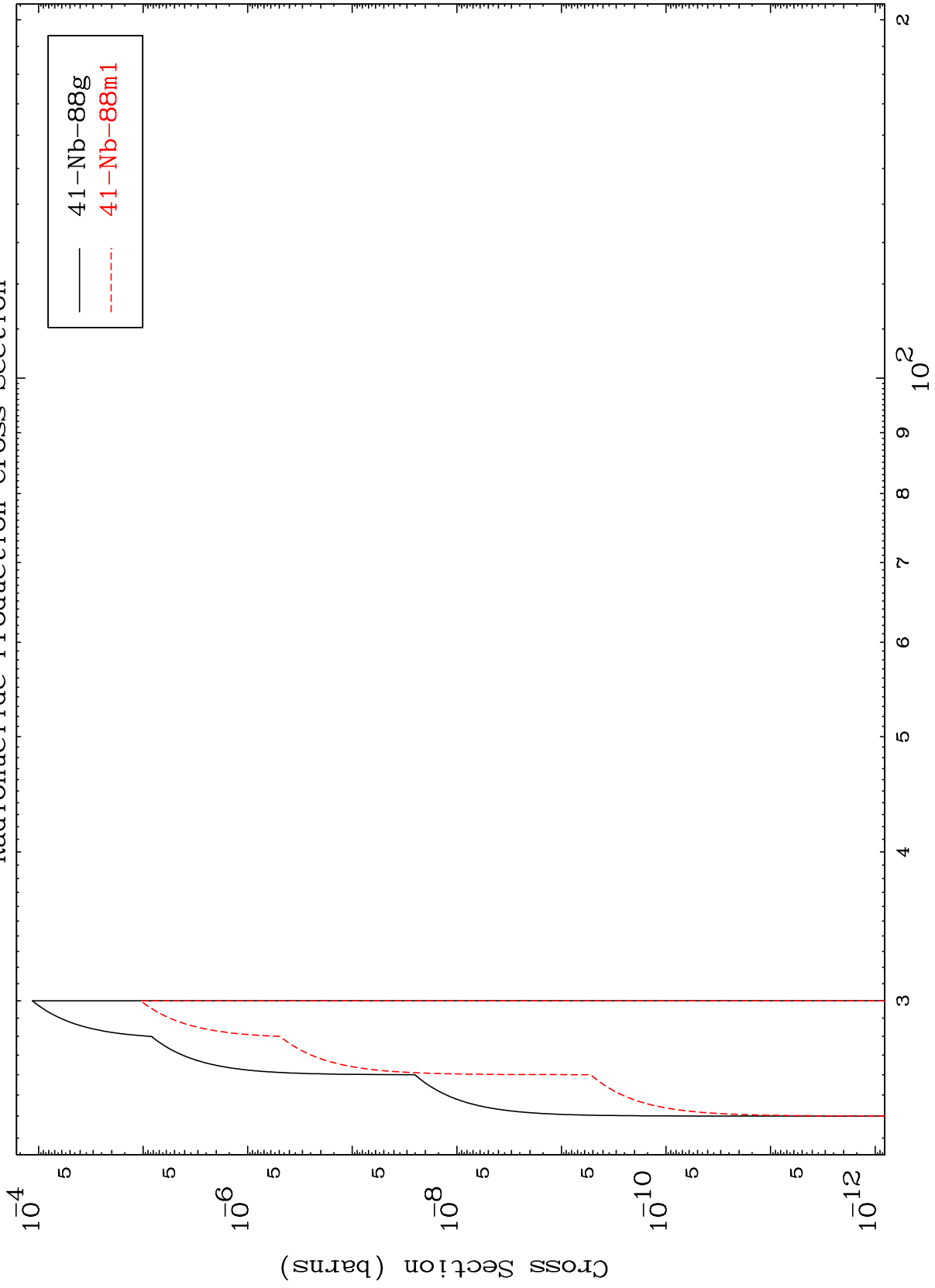
40-Zr-87

MAT 4016

(α, n') d

40-Zr-87

Radionuclide Production Cross Section



14

Incident Energy (MeV)

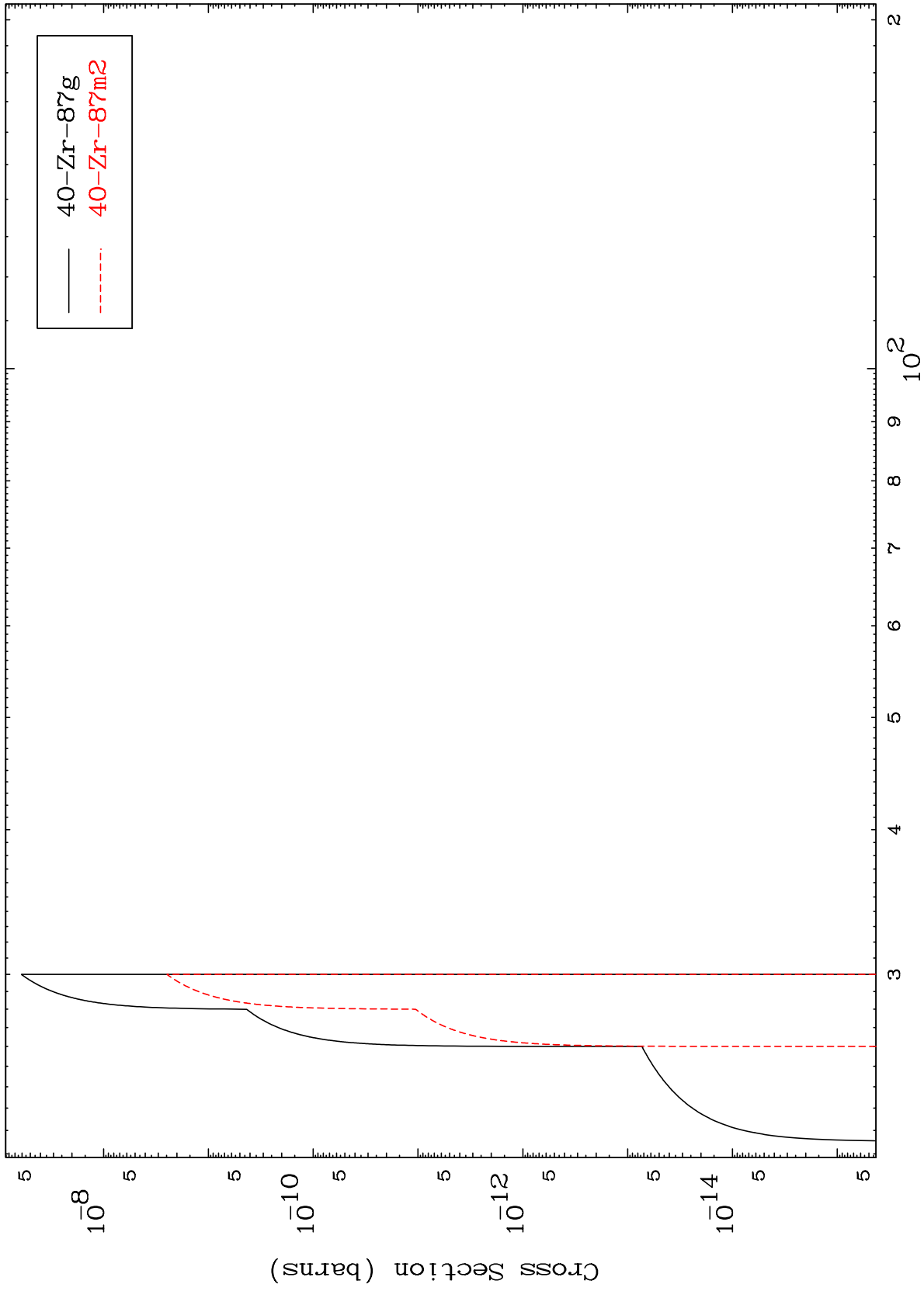
40-Zr-87

MAT 4016

(α, n') He-3

40-Zr-87

Radionuclide Production Cross Section



15

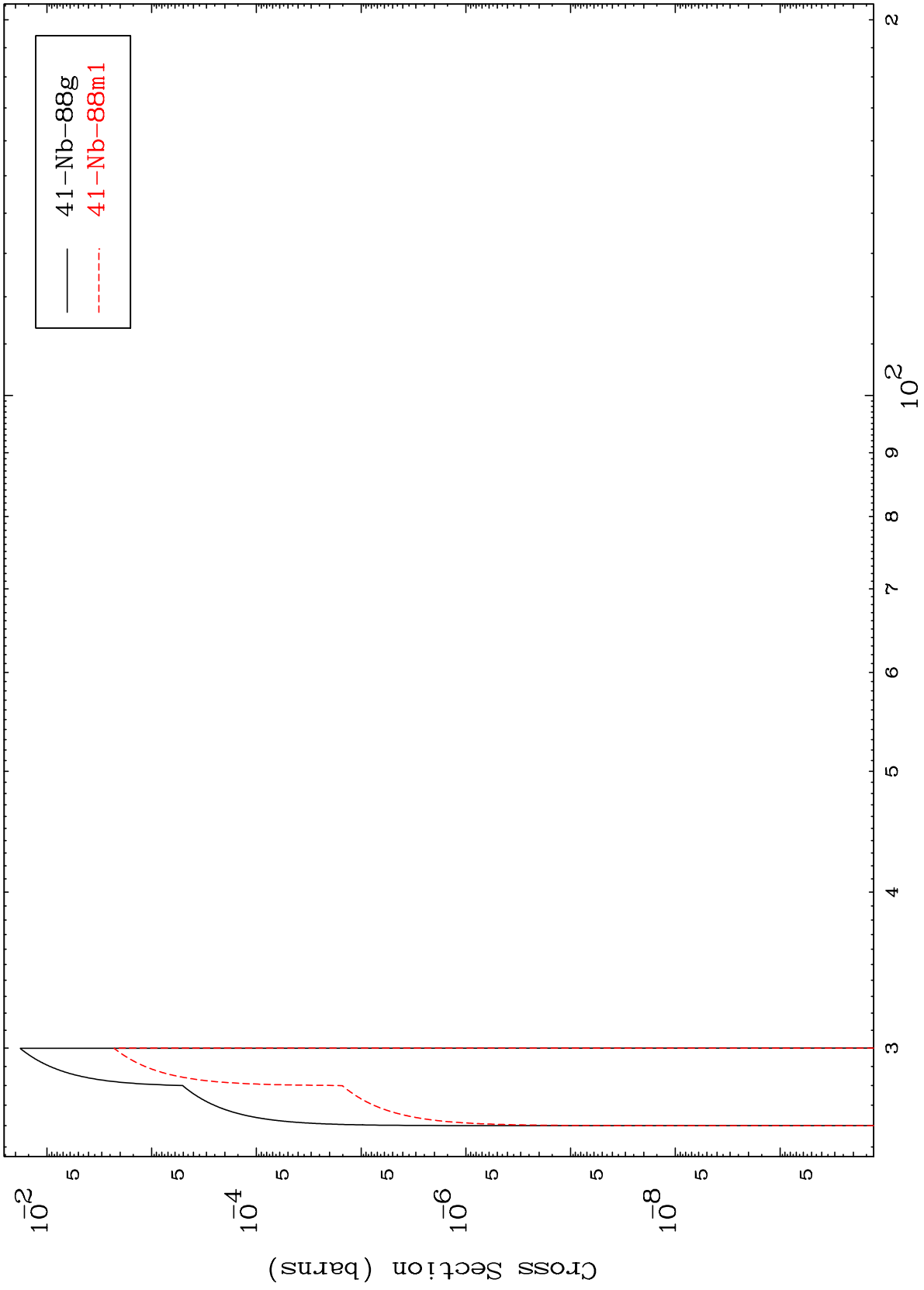
Incident Energy (MeV)

40-Zr-87

MAT 4016

40-Zr-87

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



16

Incident Energy (MeV)

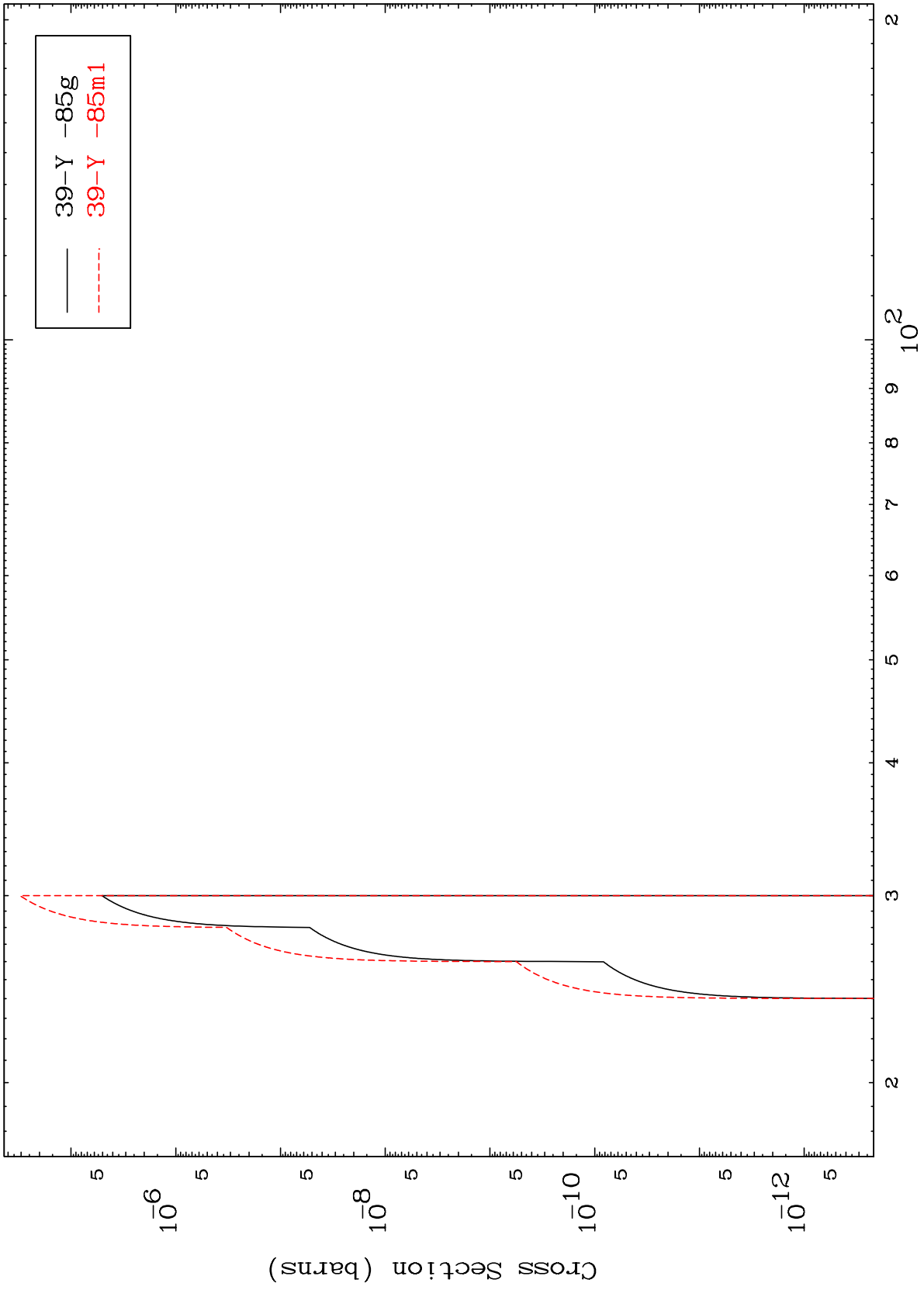
40-Zr-87

MAT 4016

(α, n') p α

40-Zr-87

Radionuclide Production Cross Section



17

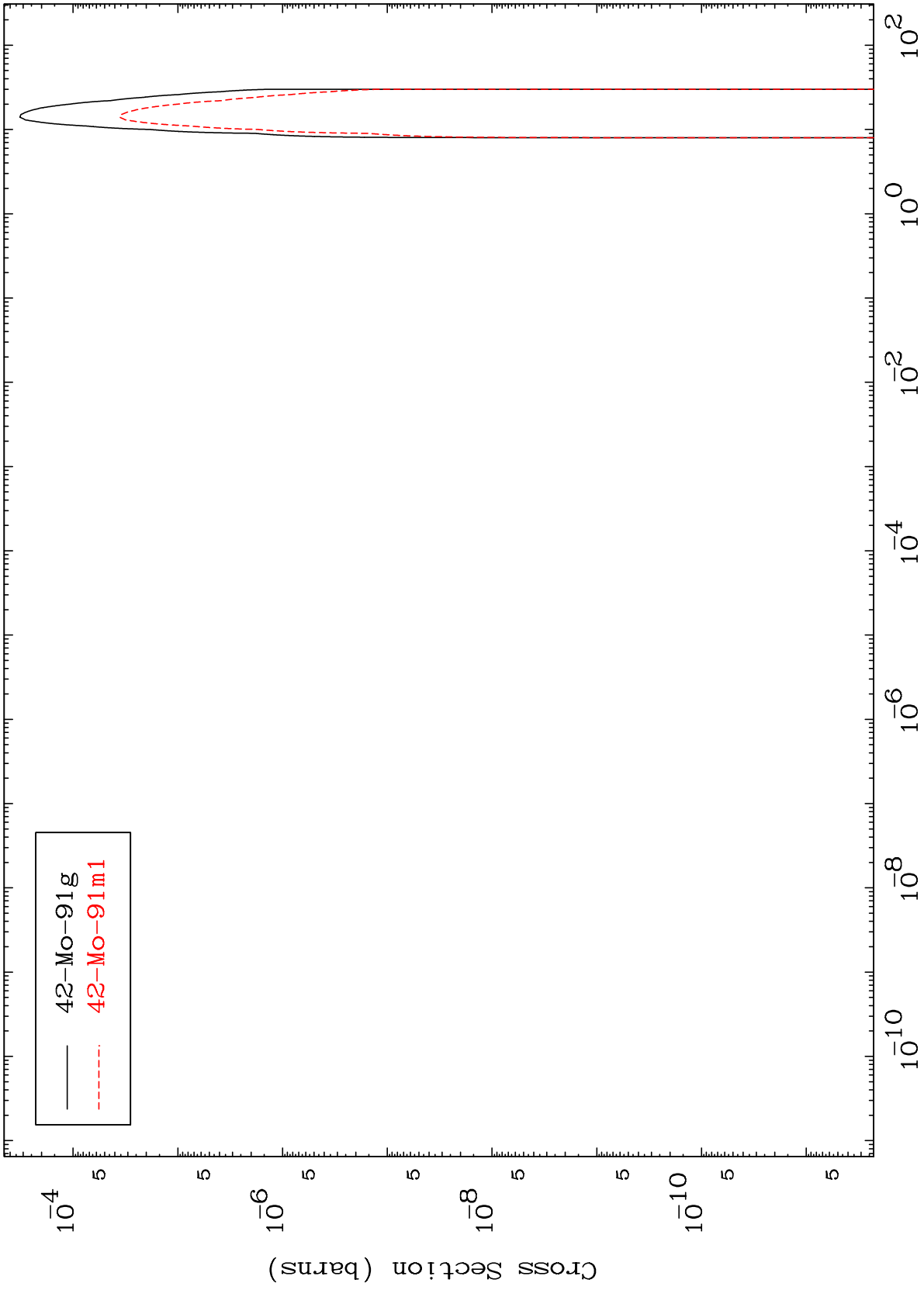
Incident Energy (MeV)

40-Zr-87

MAT 4016

Radionuclide Production Cross Section
(α, γ)

40-Zr-87



18

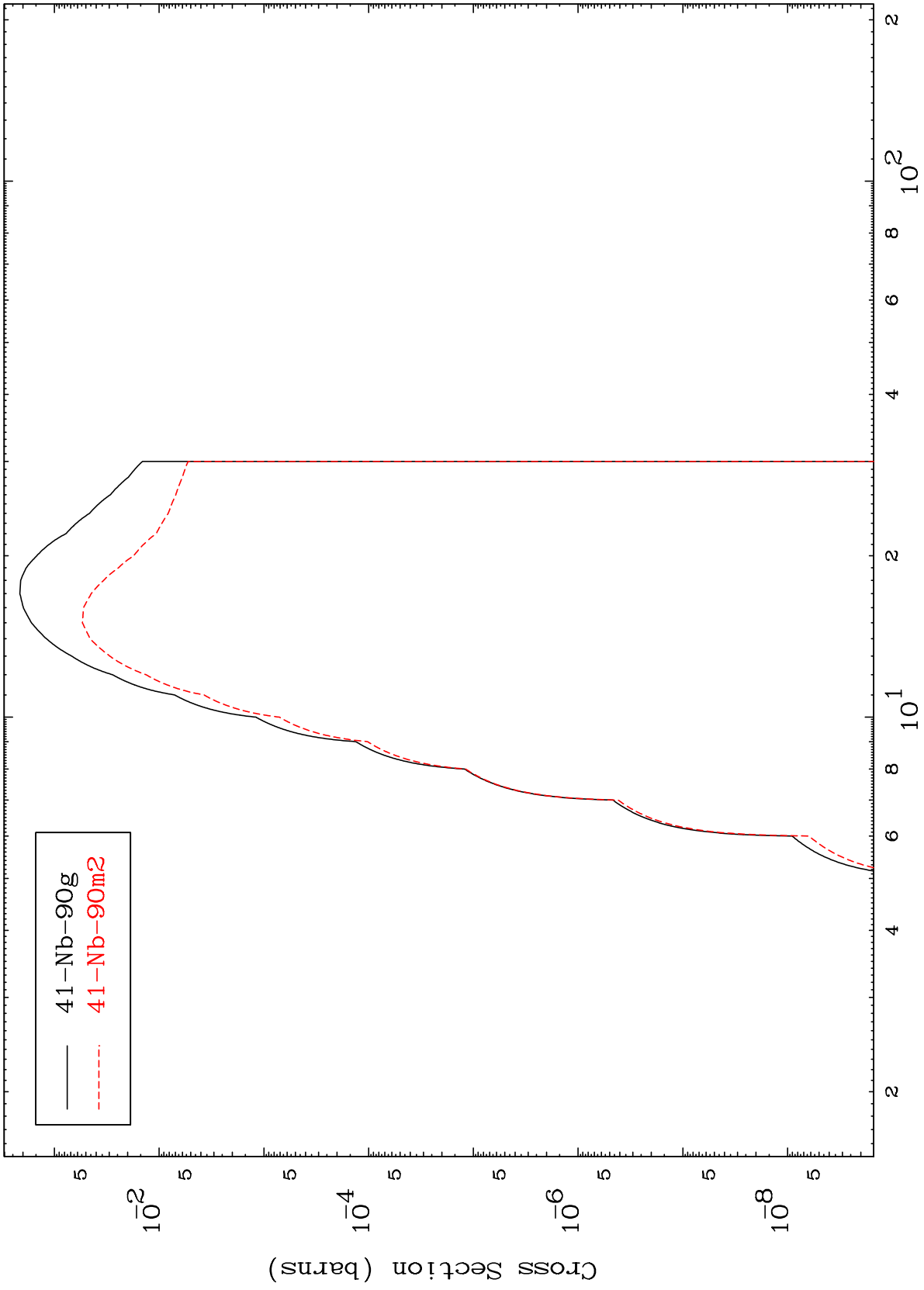
Incident Energy (MeV)

40-Zr-87

MAT 4016

Radionuclide Production Cross Section
(α, p)

40-Zr-87



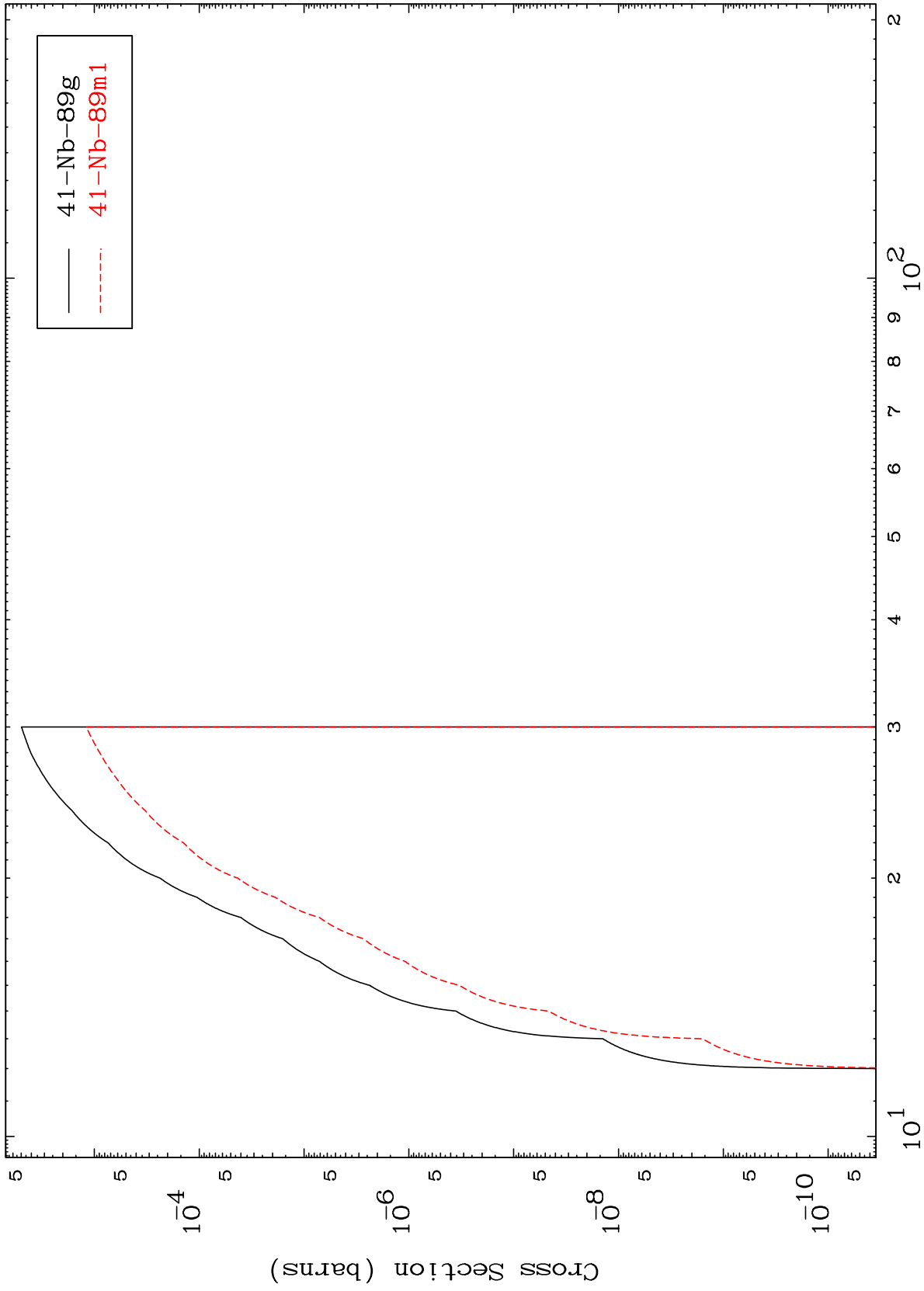
19

MAT 4016

(α, d)

40-Zr-87

Radionuclide Production Cross Section



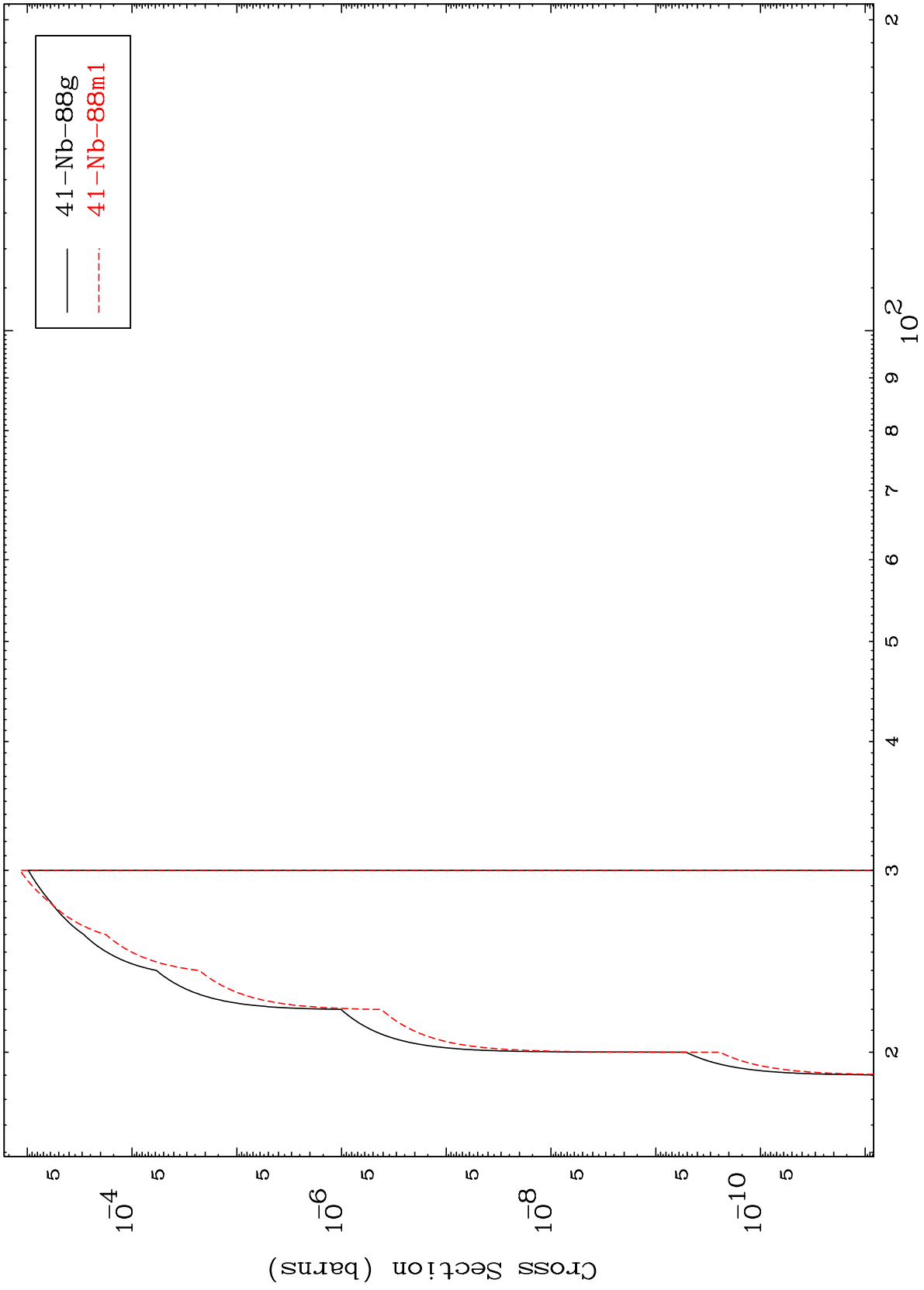
Incident Energy (MeV)

40-Zr-87

MAT 4016

40-Zr-87

(α, t)
Radionuclide Production Cross Section



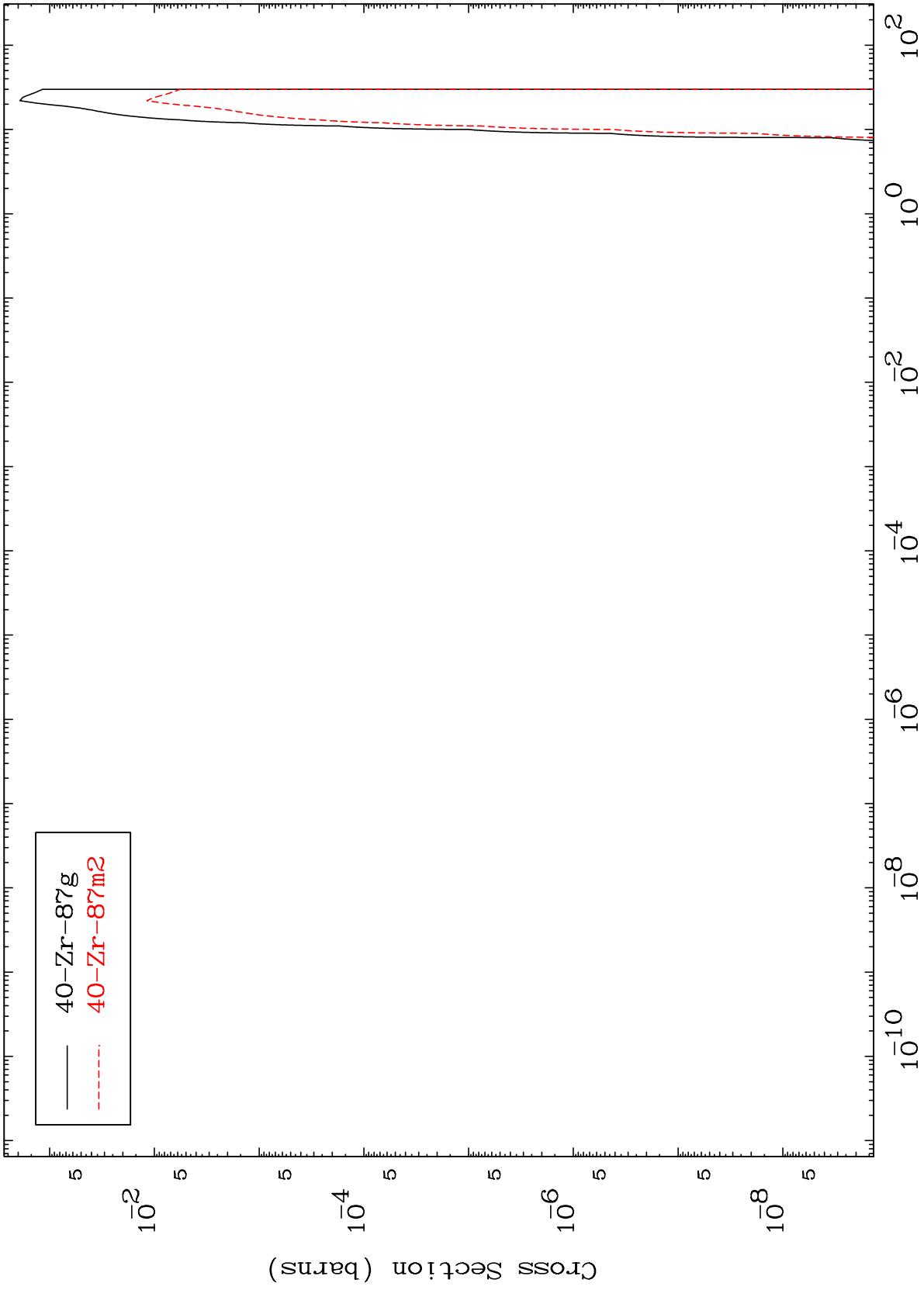
21

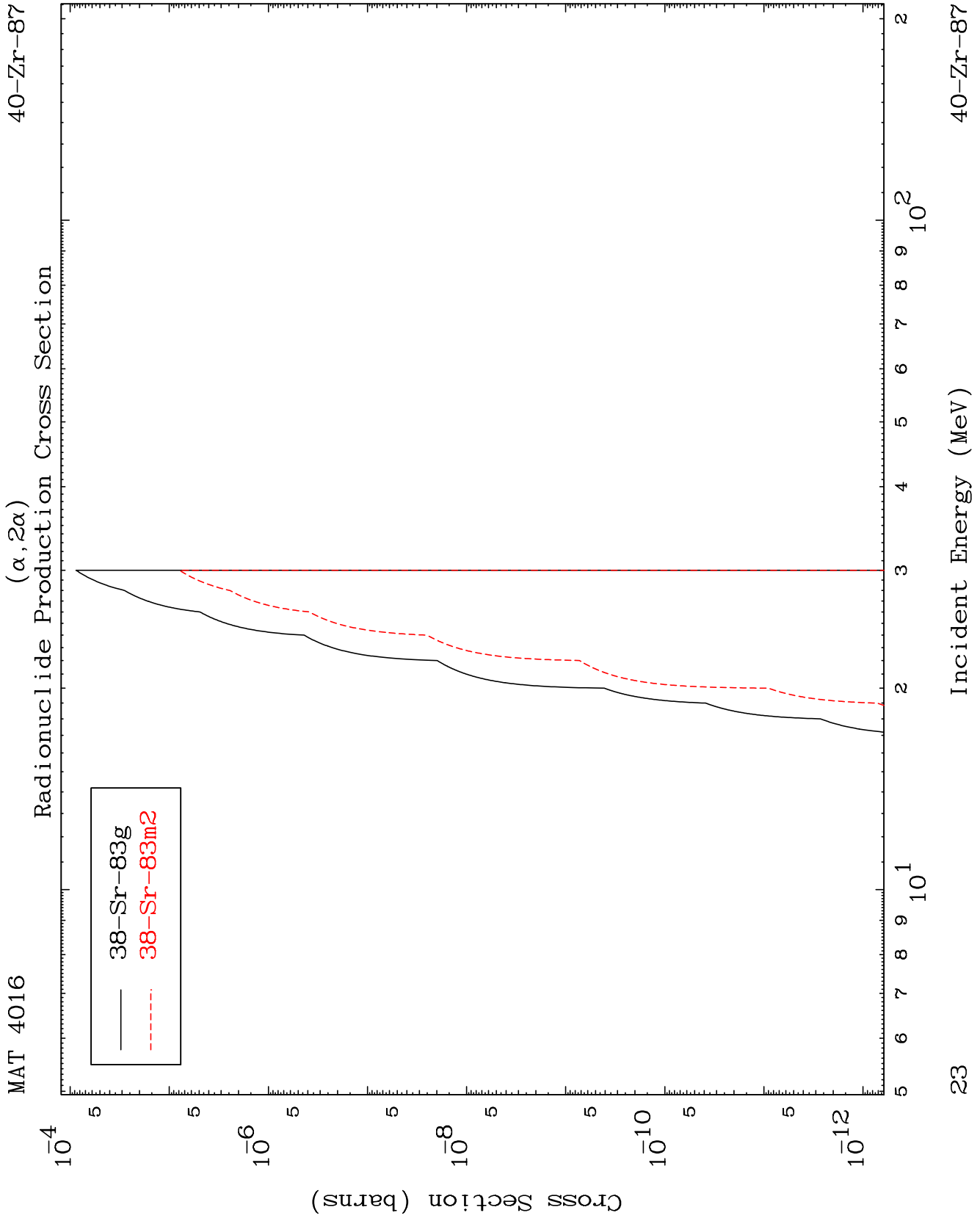
40-Zr-87

MAT 4016

(α, α)
Radionuclide Production Cross Section

40-Zr-87

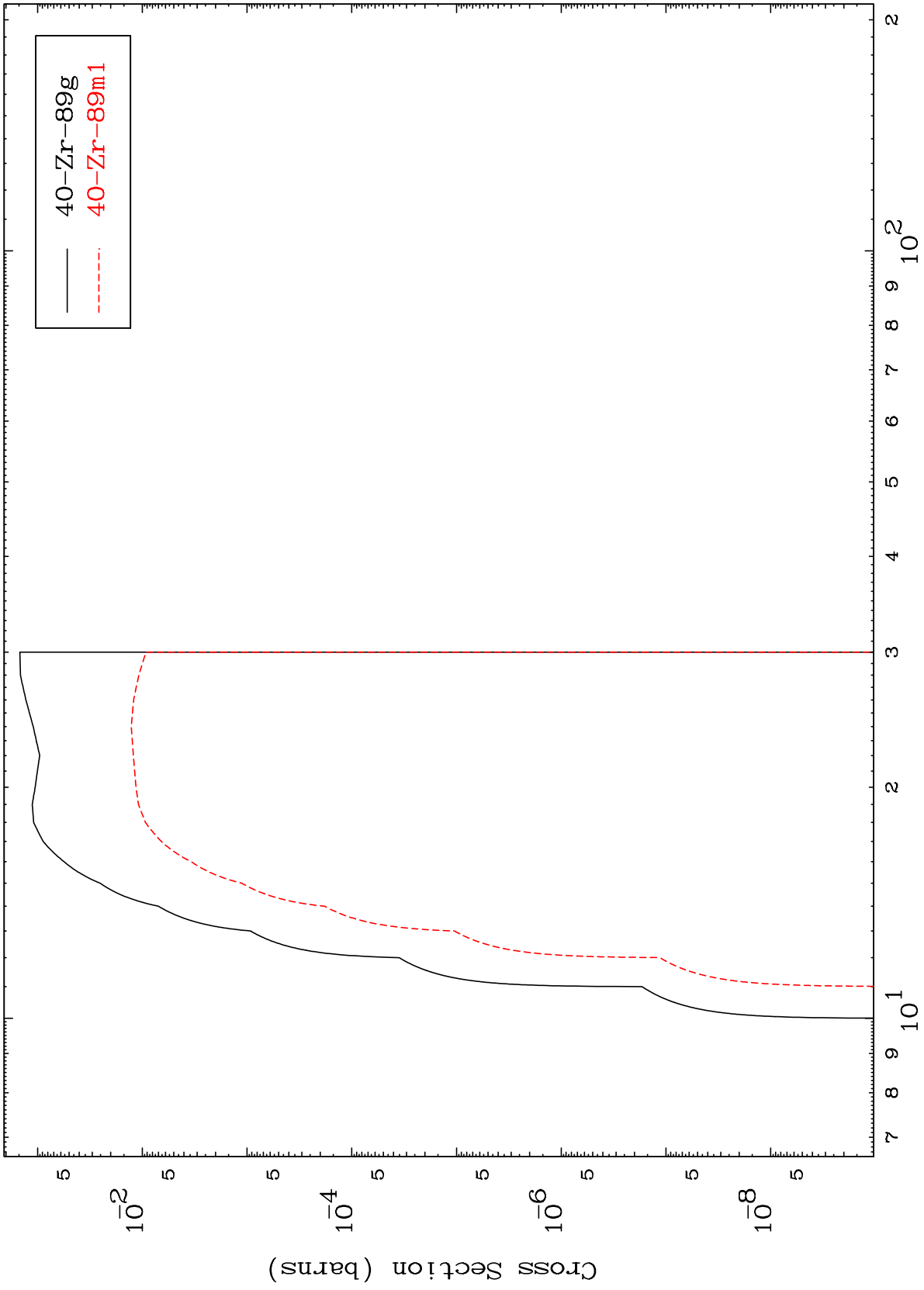




MAT 4016

40-Zr-87

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



24

Incident Energy (MeV)

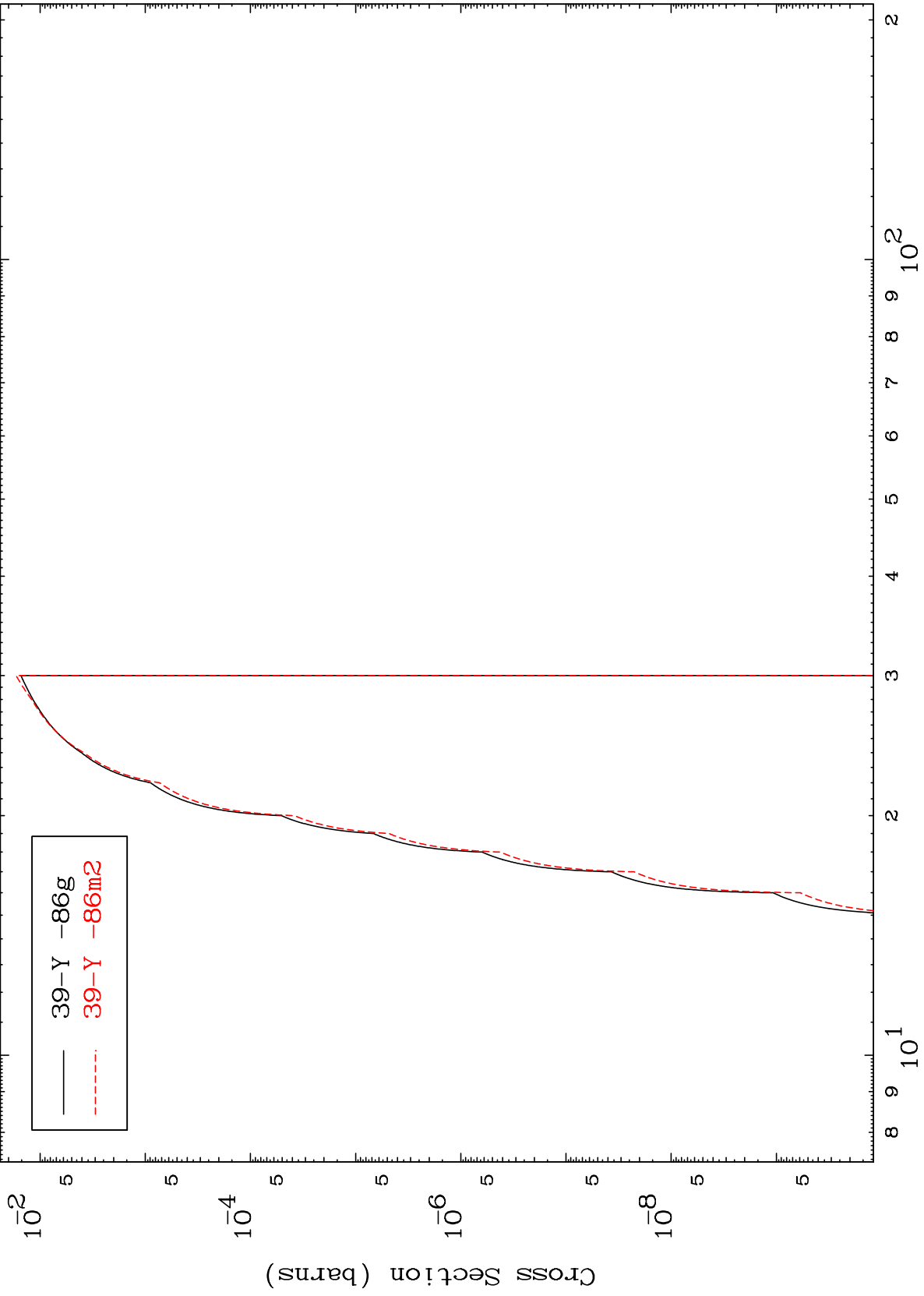
40-Zr-87

MAT 4016

(α, p) α

40-Zr-87

Radionuclide Production Cross Section



25

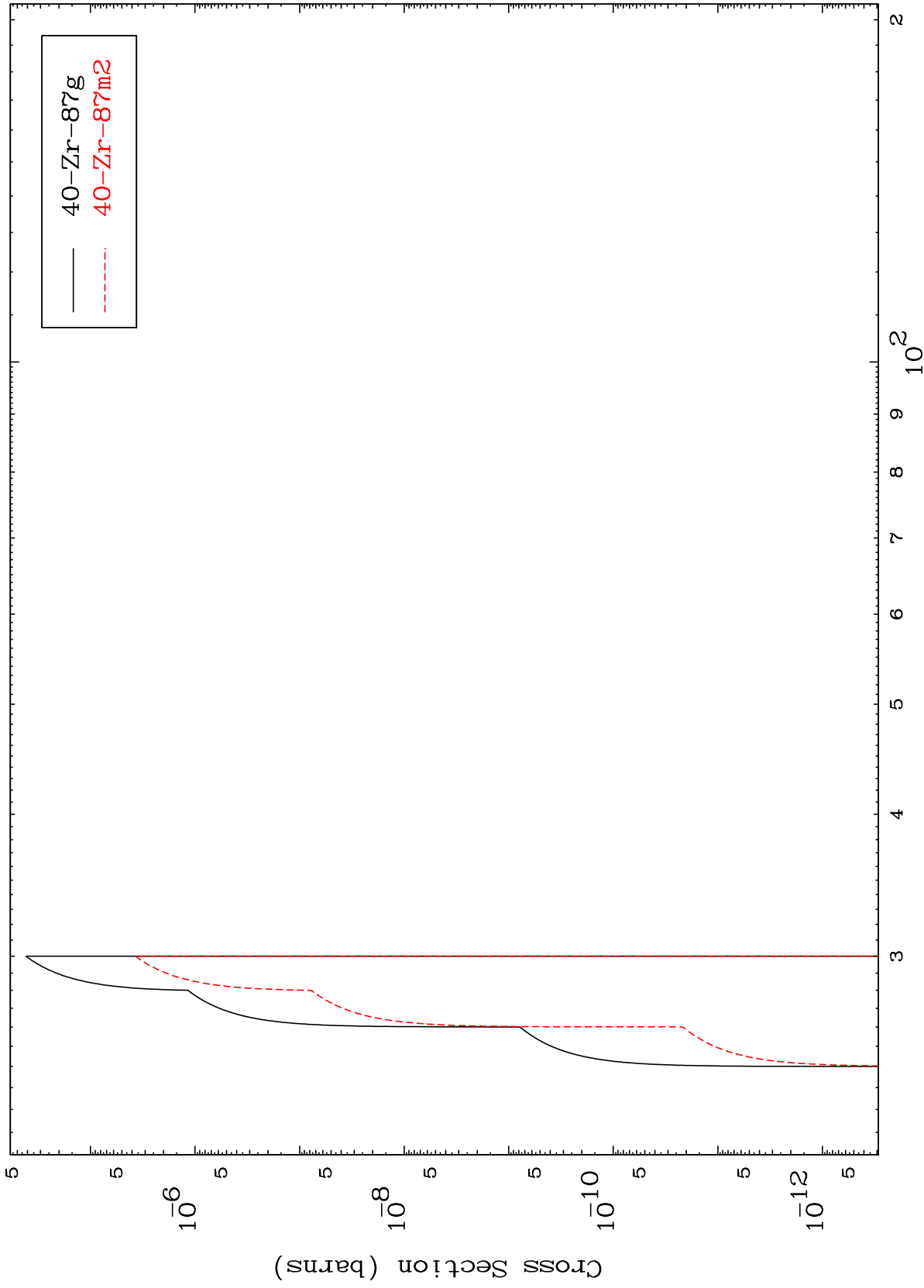
40-Zr-87

MAT 4016

(α, p) t

40-Zr-87

Radionuclide Production Cross Section



26

Incident Energy (MeV)

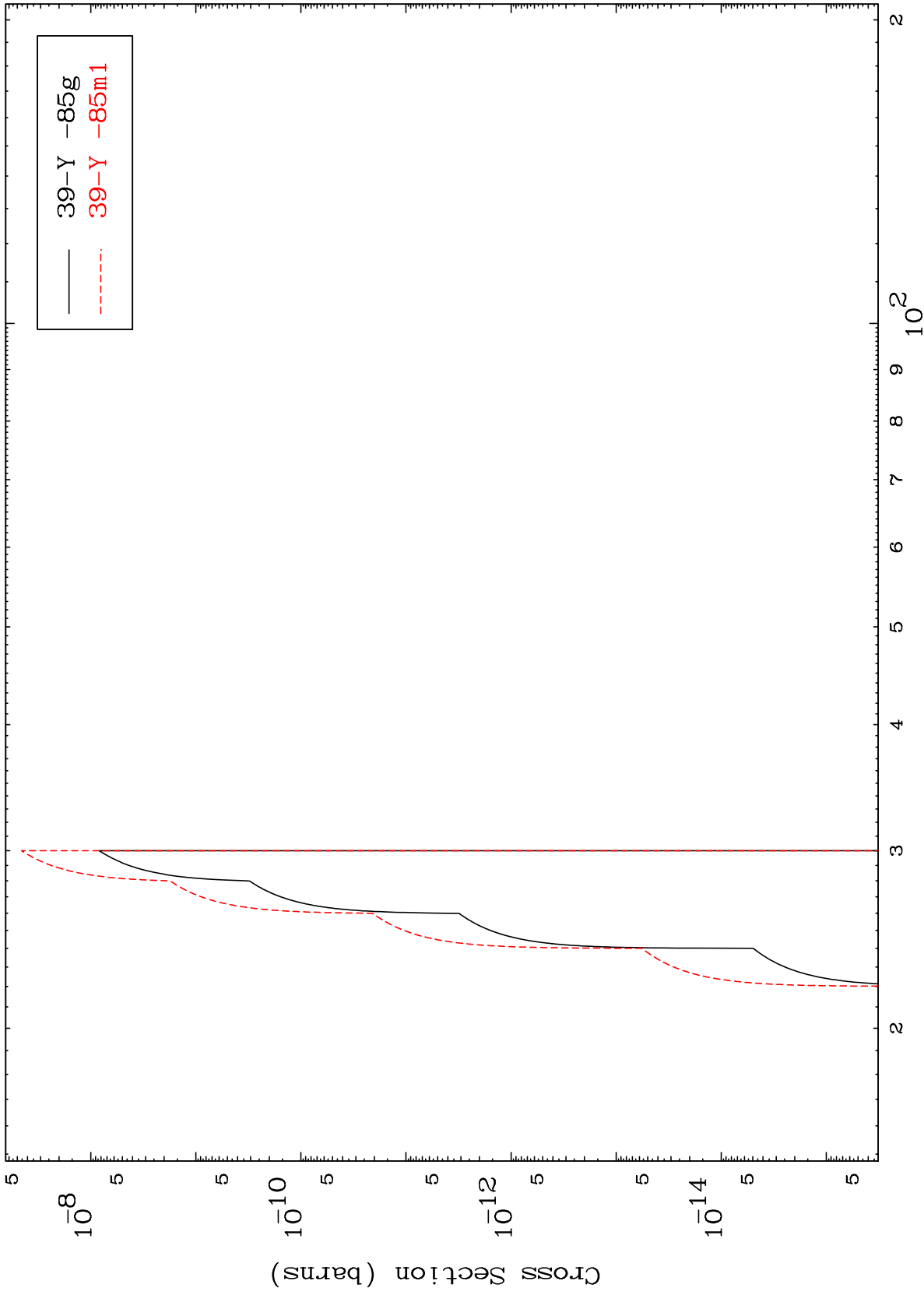
40-Zr-87

MAT 4016

(α, d) α

40-Zr-87

Radionuclide Production Cross Section



27

Incident Energy (MeV)

40-Zr-87