

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

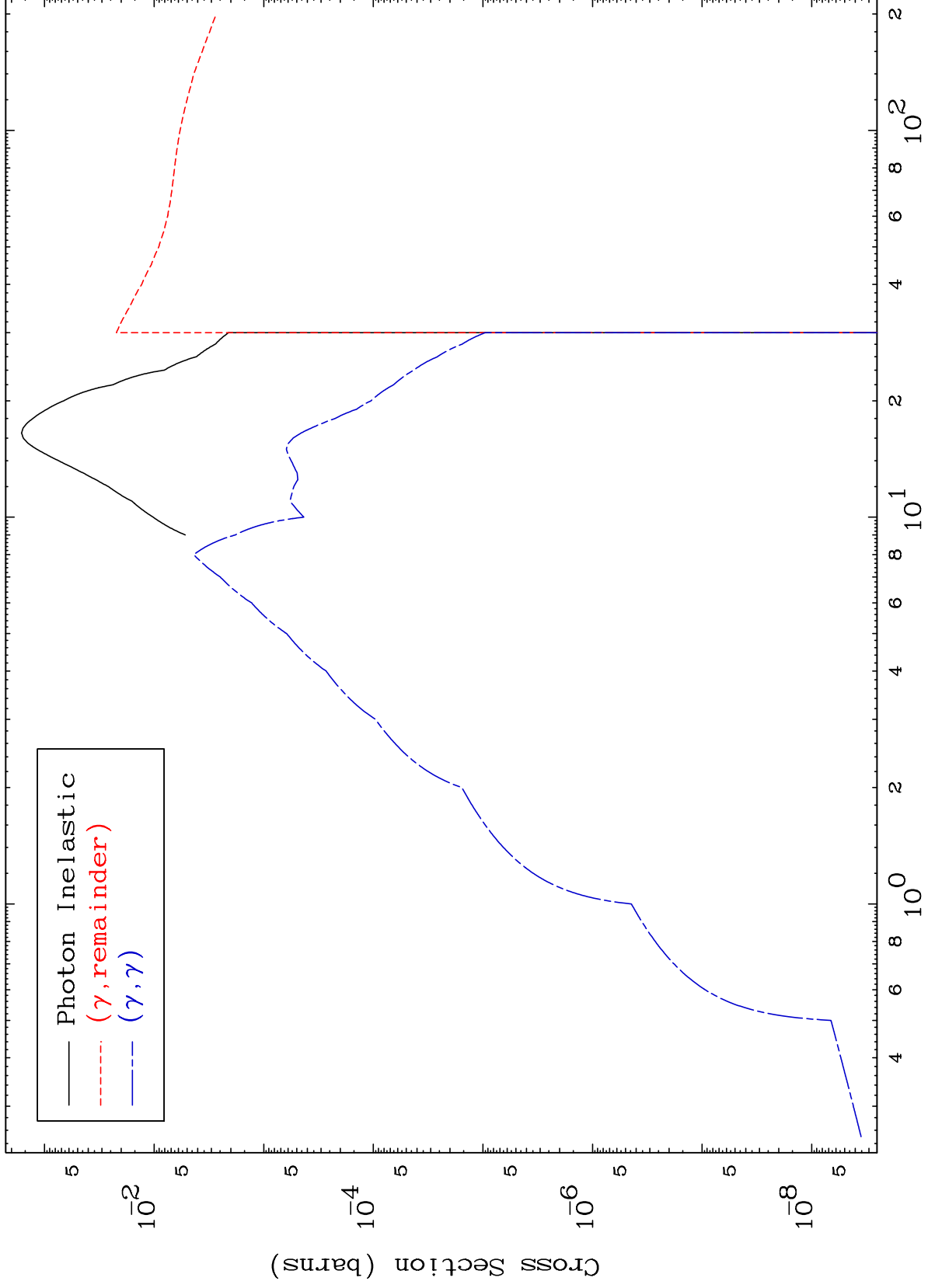
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4023

Photon Major
0 Kelvin Cross Sections

40-Zr-89



1

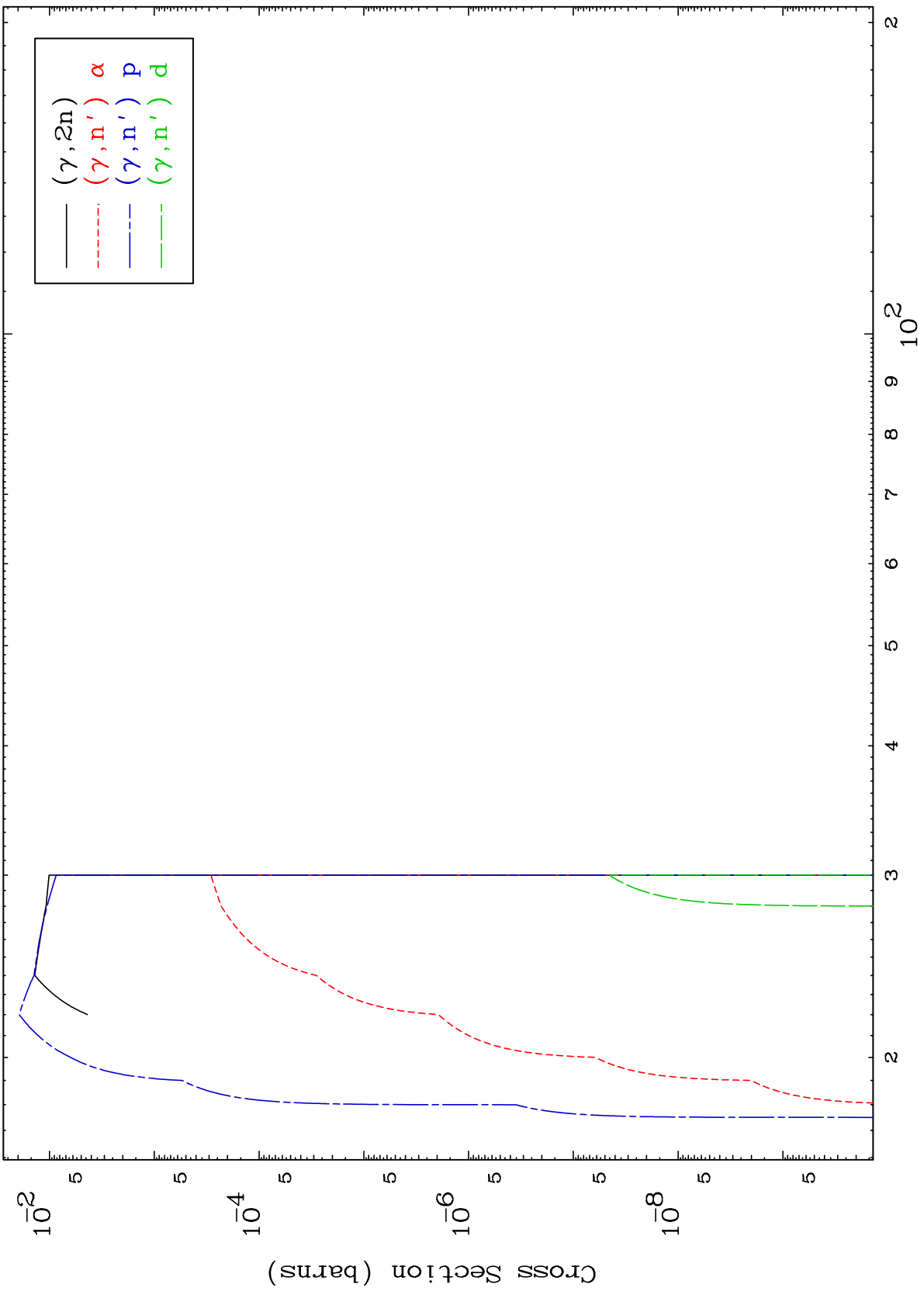
Incident Energy (MeV)

40-Zr-89

MAT 4023

Photon Neutron Production
0 Kelvin Cross Sections

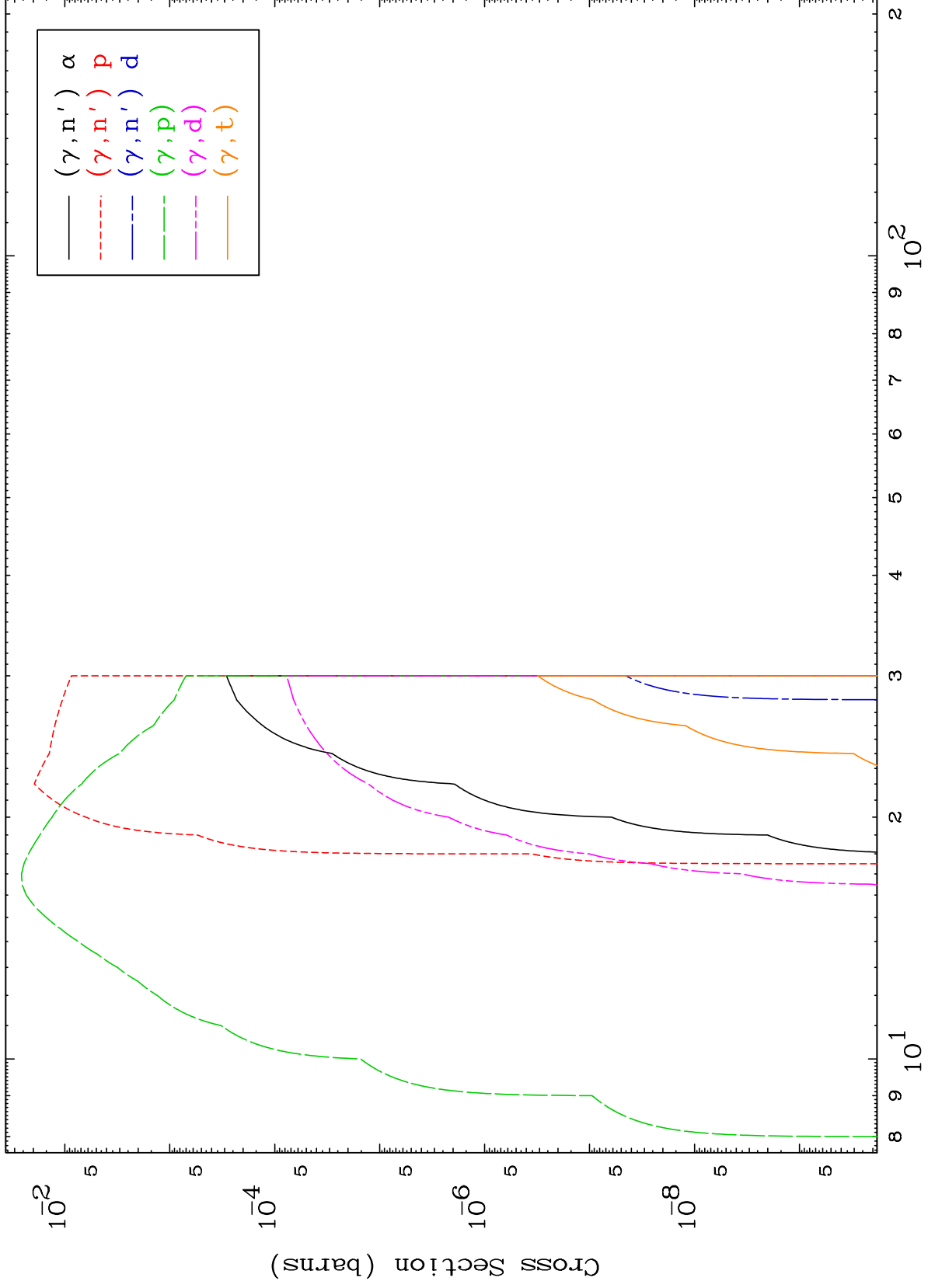
40-Zr-89

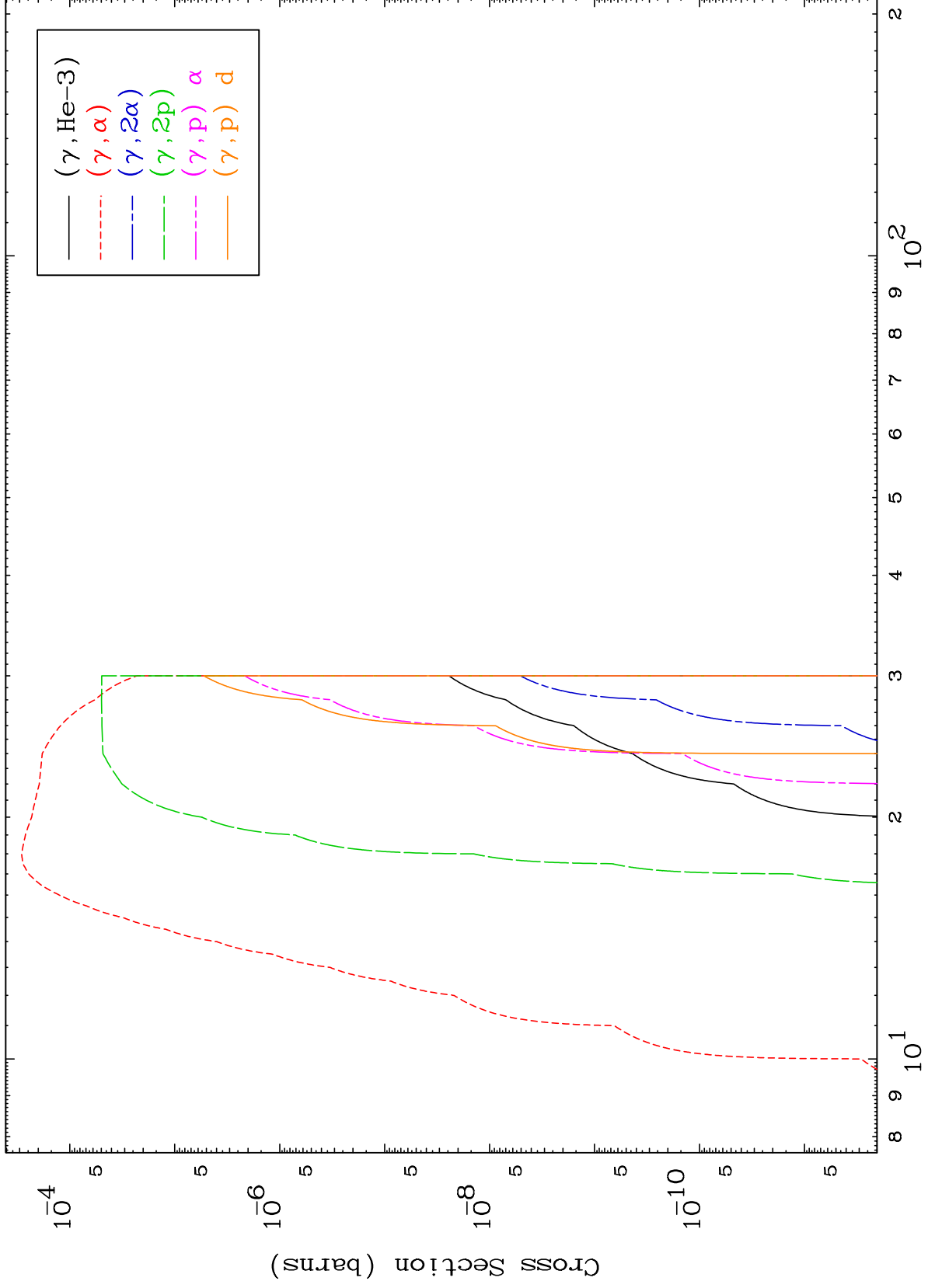


2

Incident Energy (MeV)

40-Zr-89



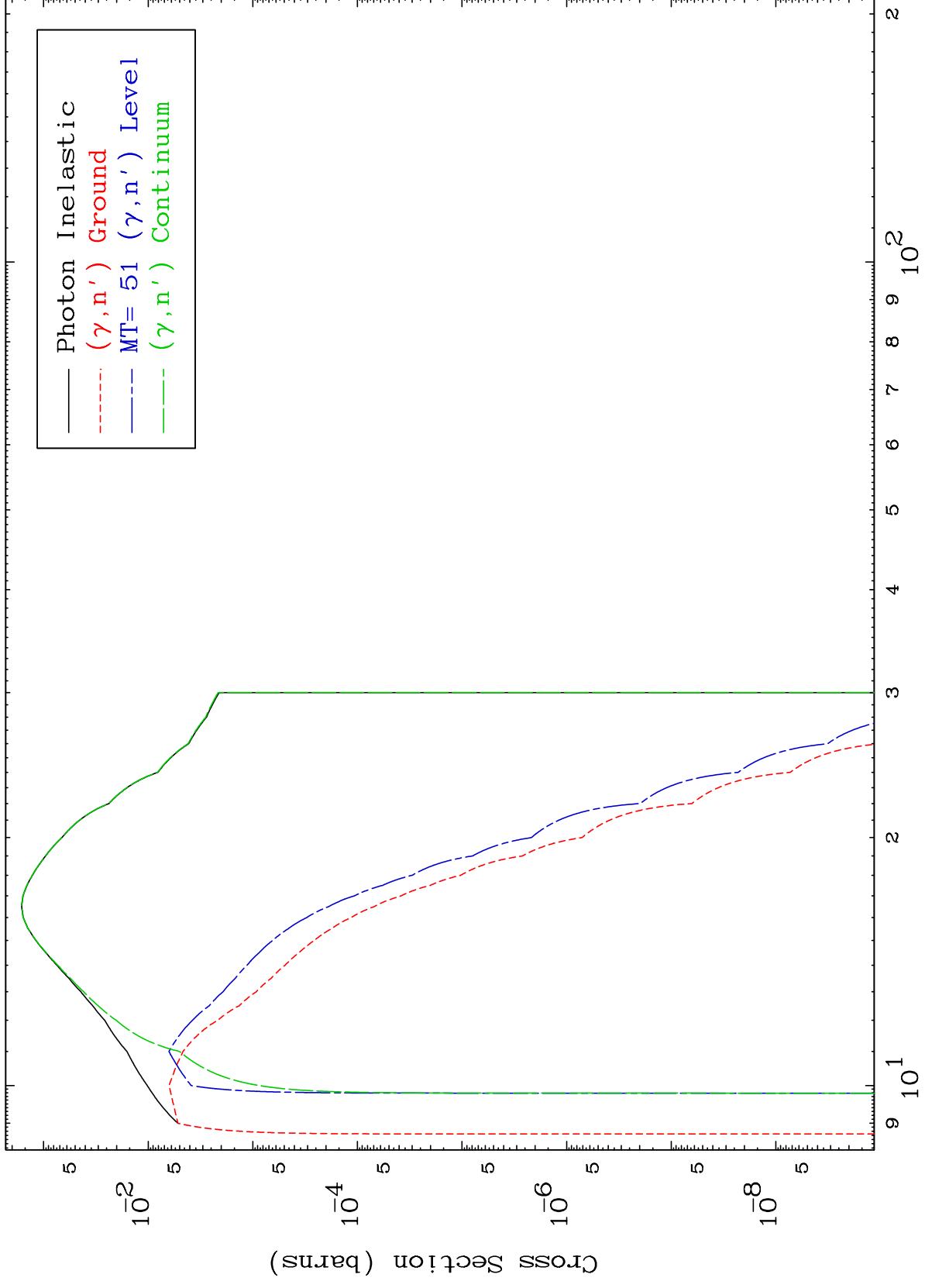


MAT 4023

(γ, n') Level

40-Zr-89

0 Kelvin Cross Sections



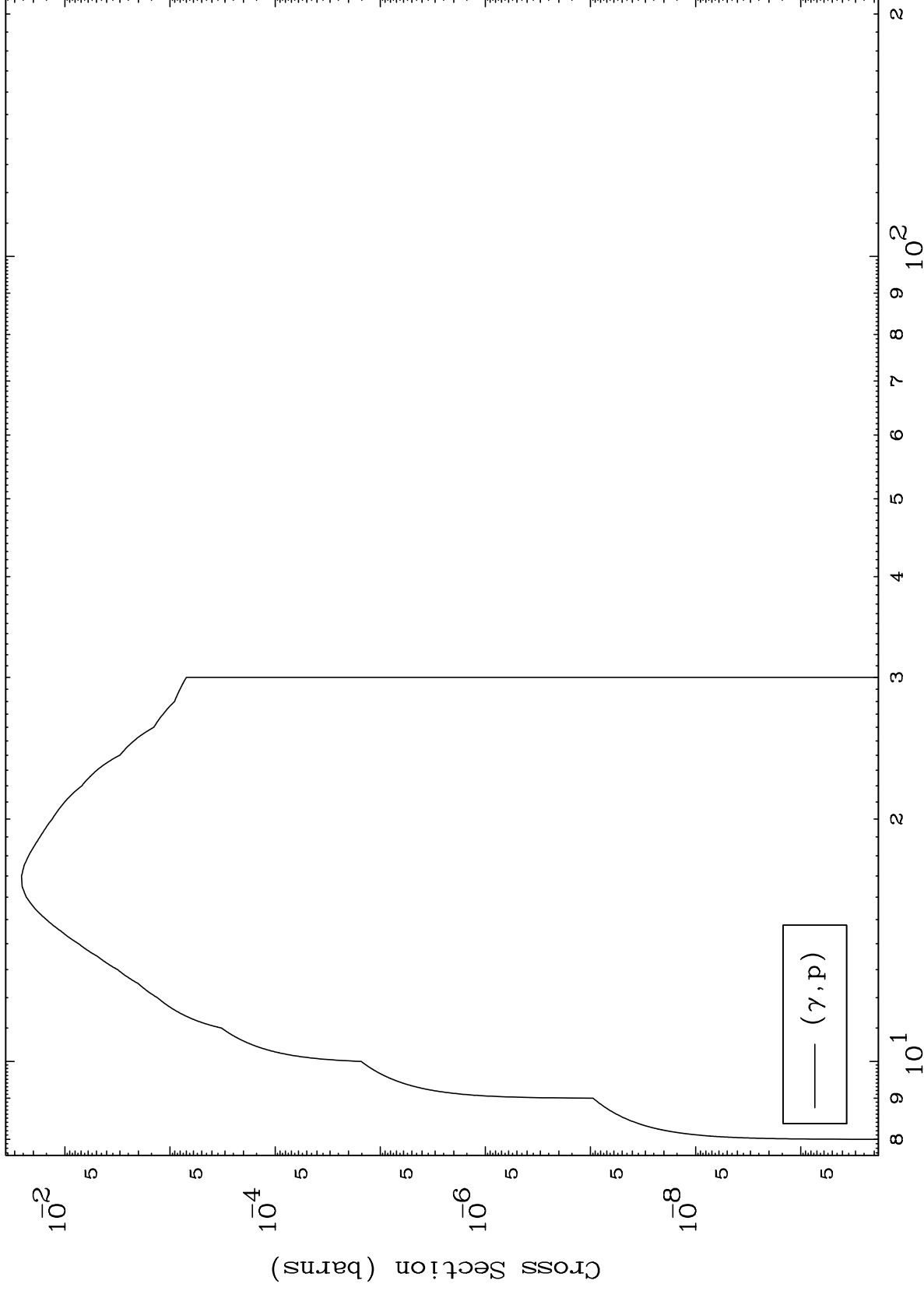
Incident Energy (MeV)

40-Zr-89

MAT 4023

(γ, p) Levels
0 Kelvin Cross Sections

40-Zr-89



40-Zr-89

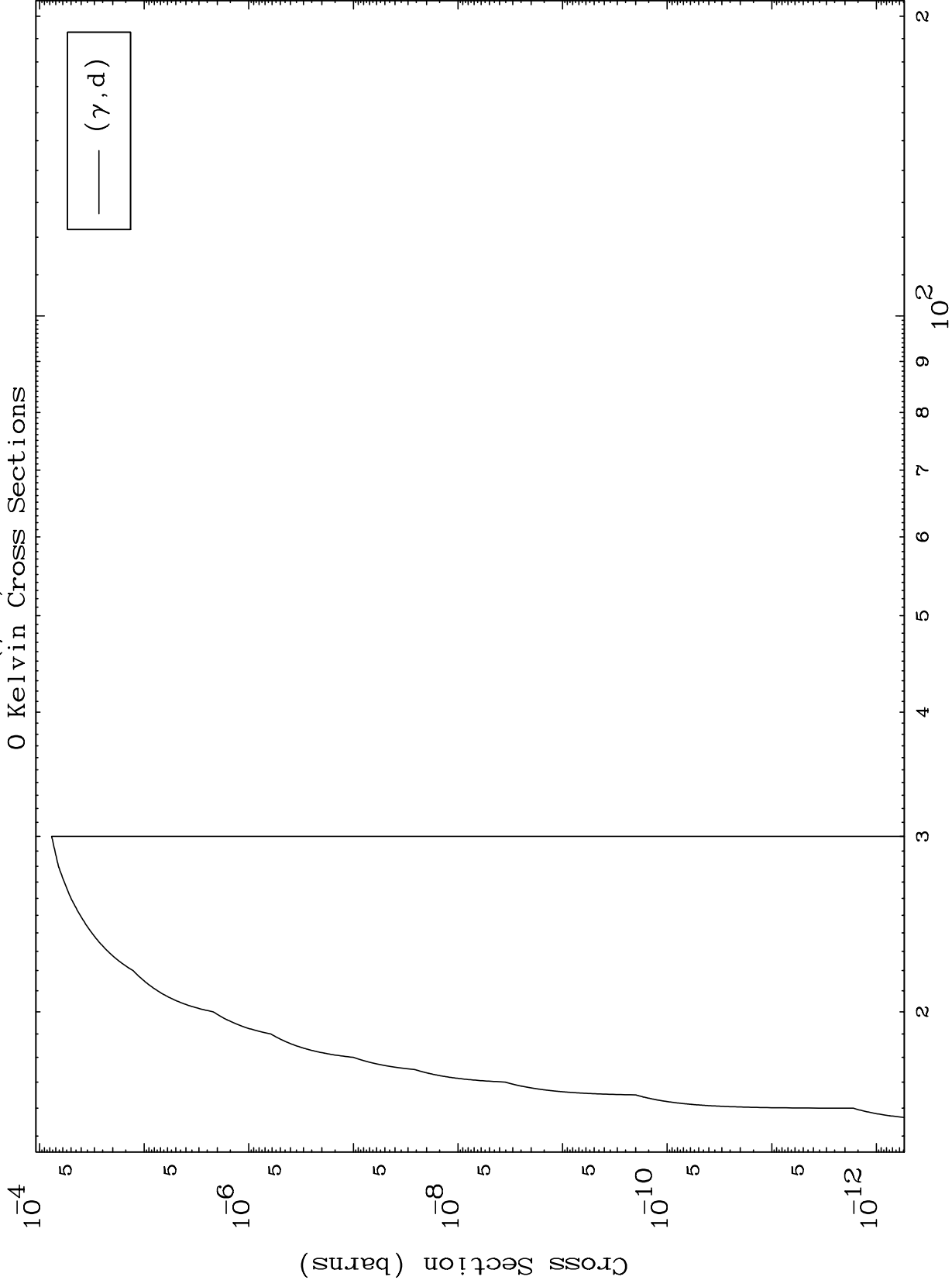
Incident Energy (MeV)

6

MAT 4023

(γ, d) Levels
0 Kelvin Cross Sections

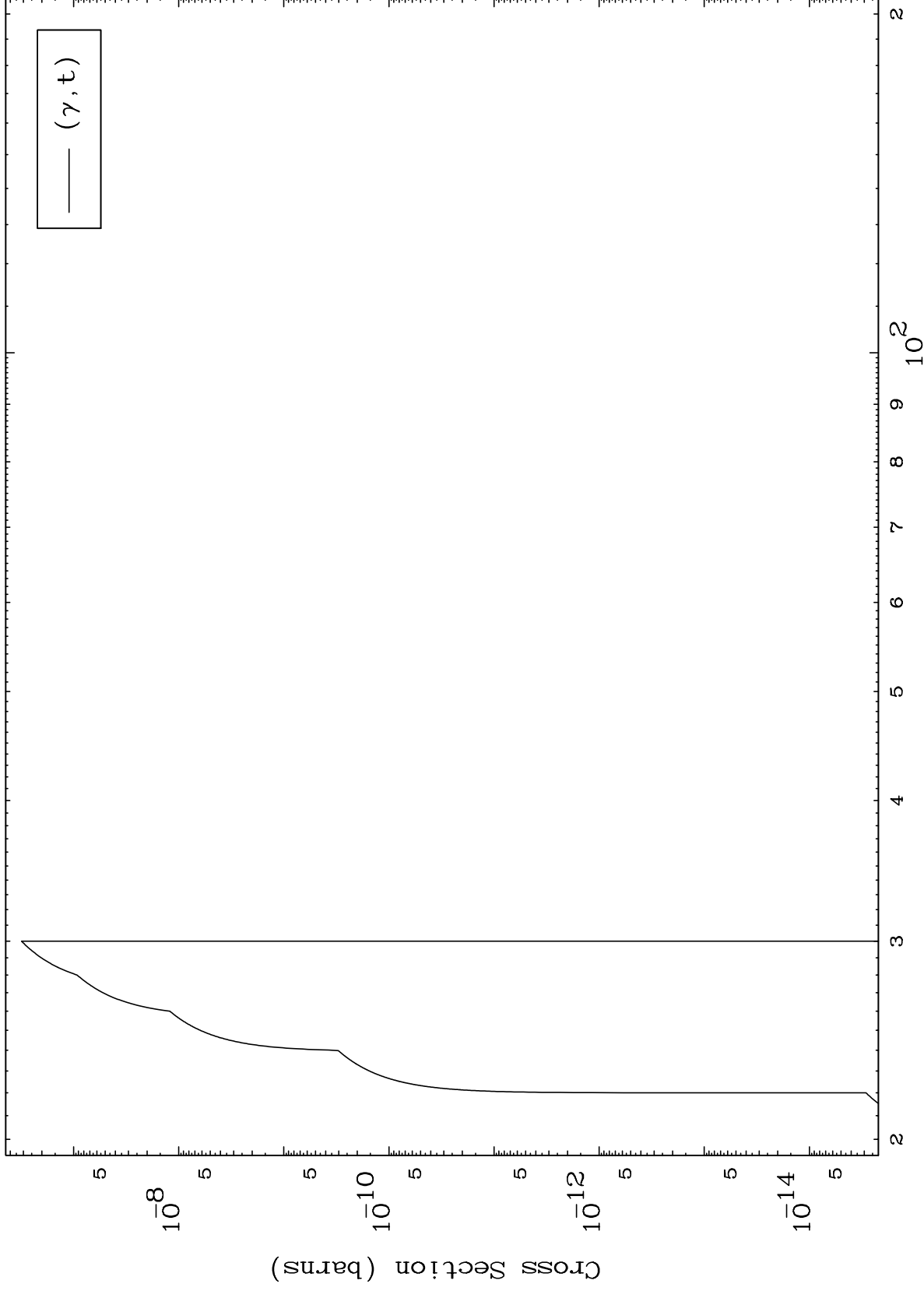
40-Zr-89



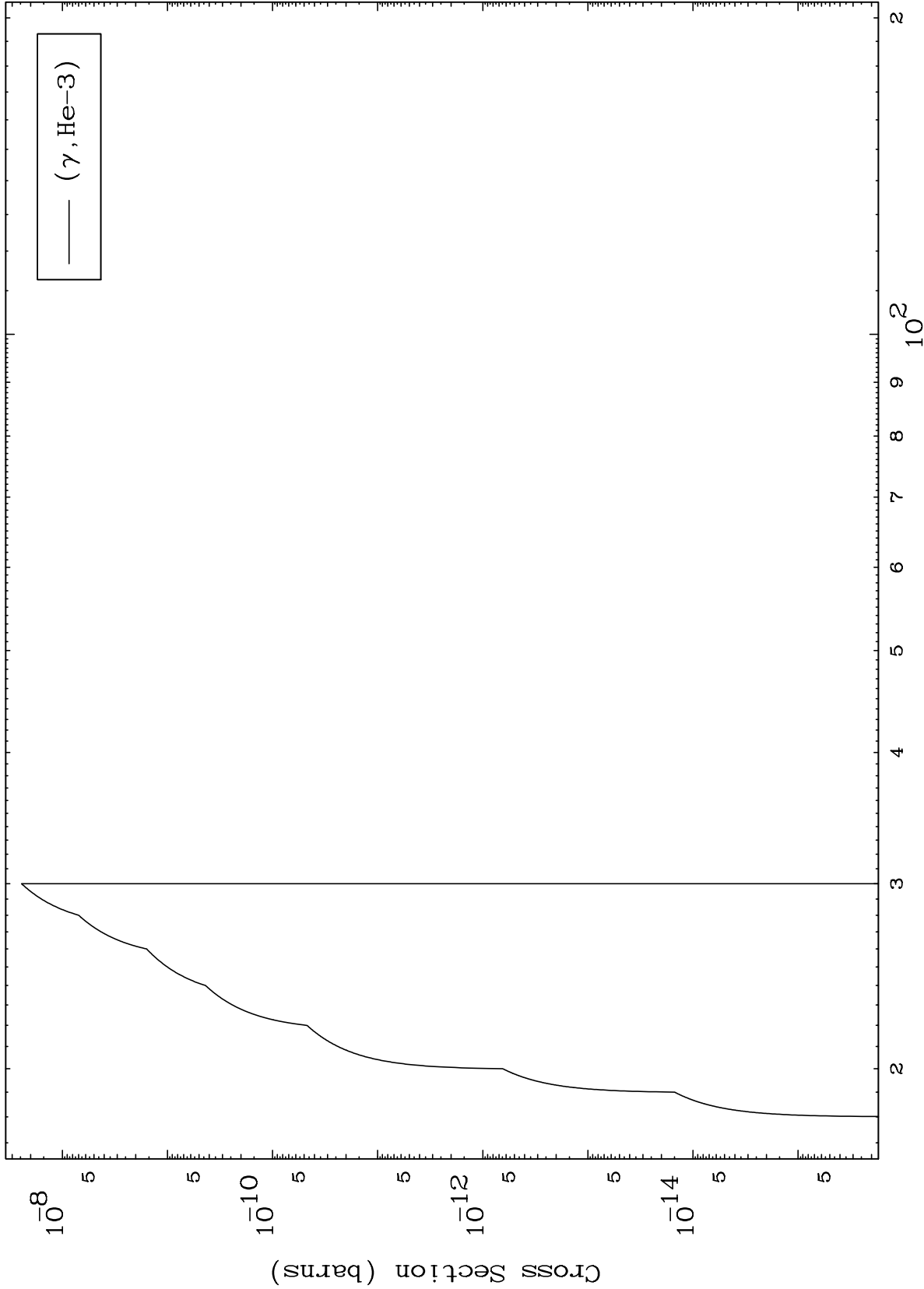
7

Incident Energy (MeV)

40-Zr-89



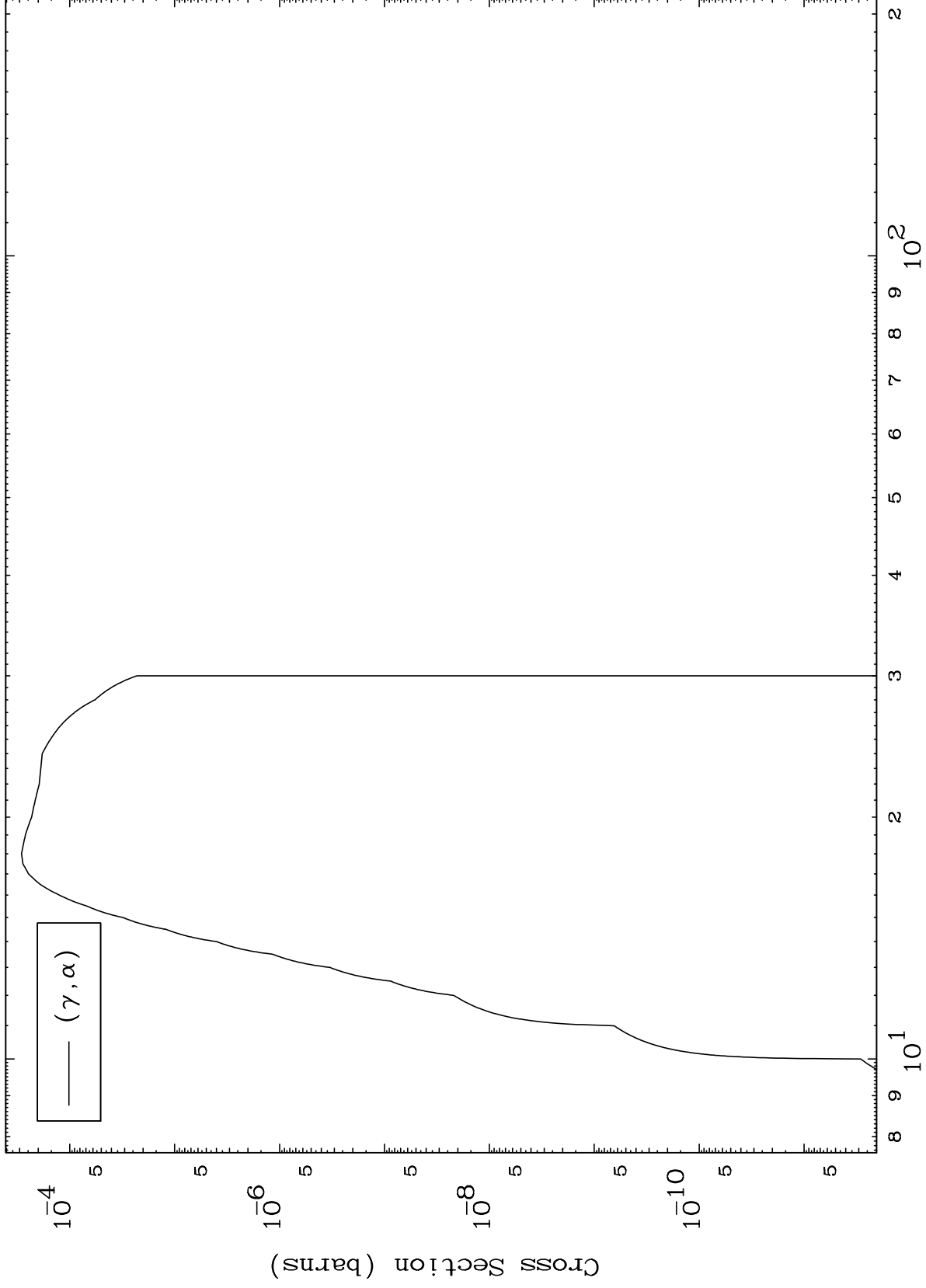
($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections



MAT 4023

(γ, α) Levels
0 Kelvin Cross Sections

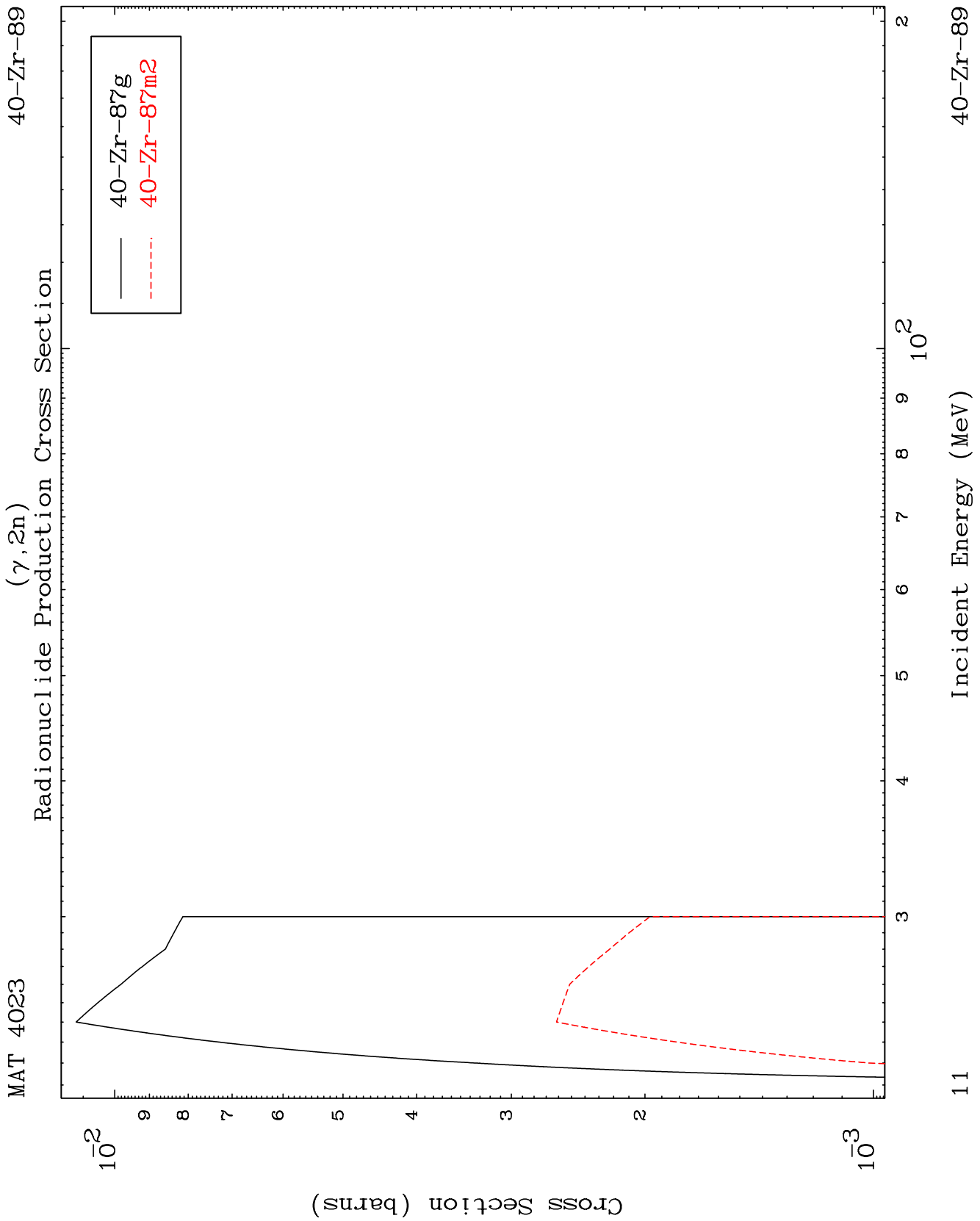
40-Zr-89



10

Incident Energy (MeV)

40-Zr-89

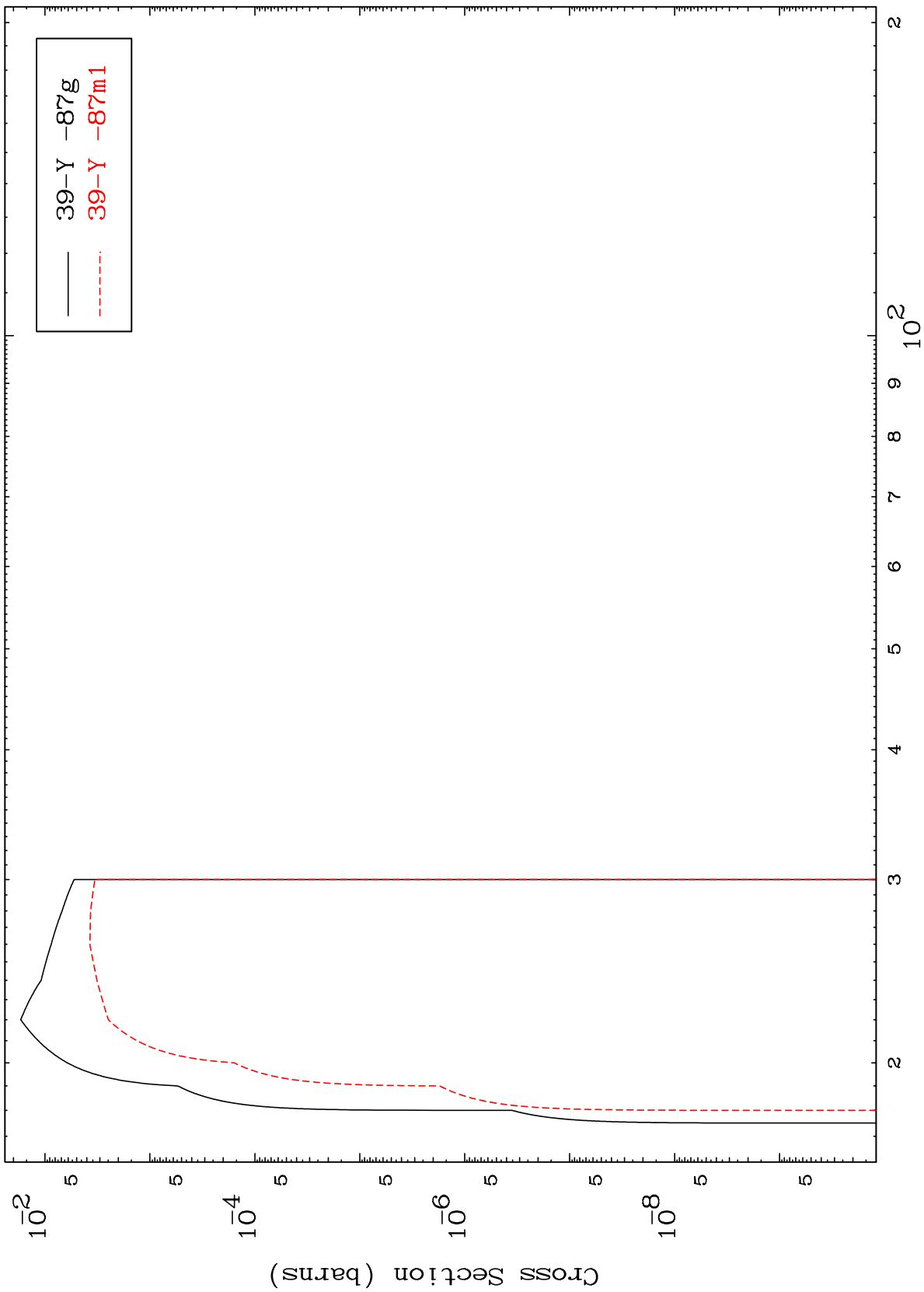


MAT 4023

(γ, n') p

40-Zr-89

Radionuclide Production Cross Section



12

Incident Energy (MeV)

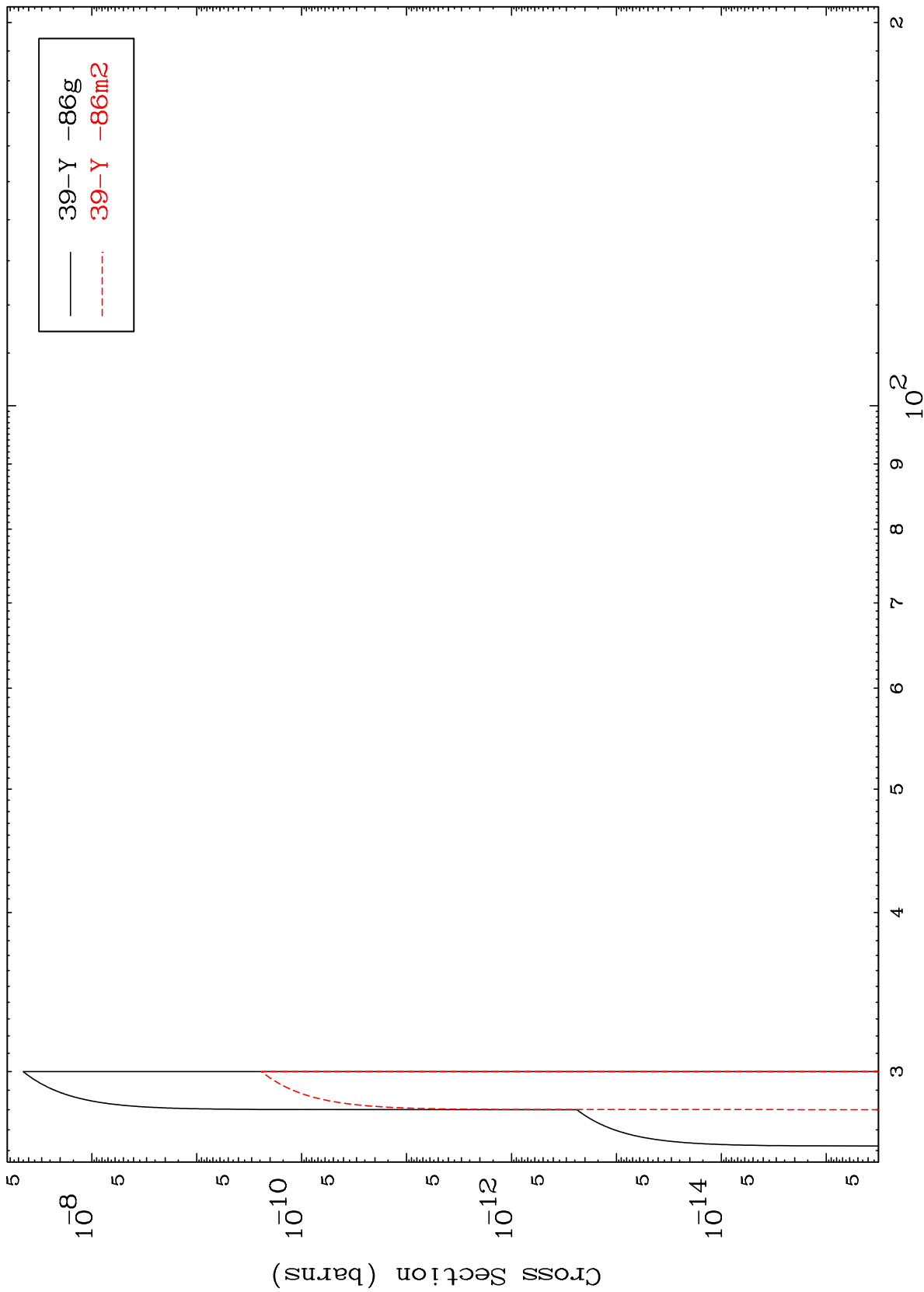
40-Zr-89

MAT 4023

(γ, n') d

40-Zr-89

Radionuclide Production Cross Section



13

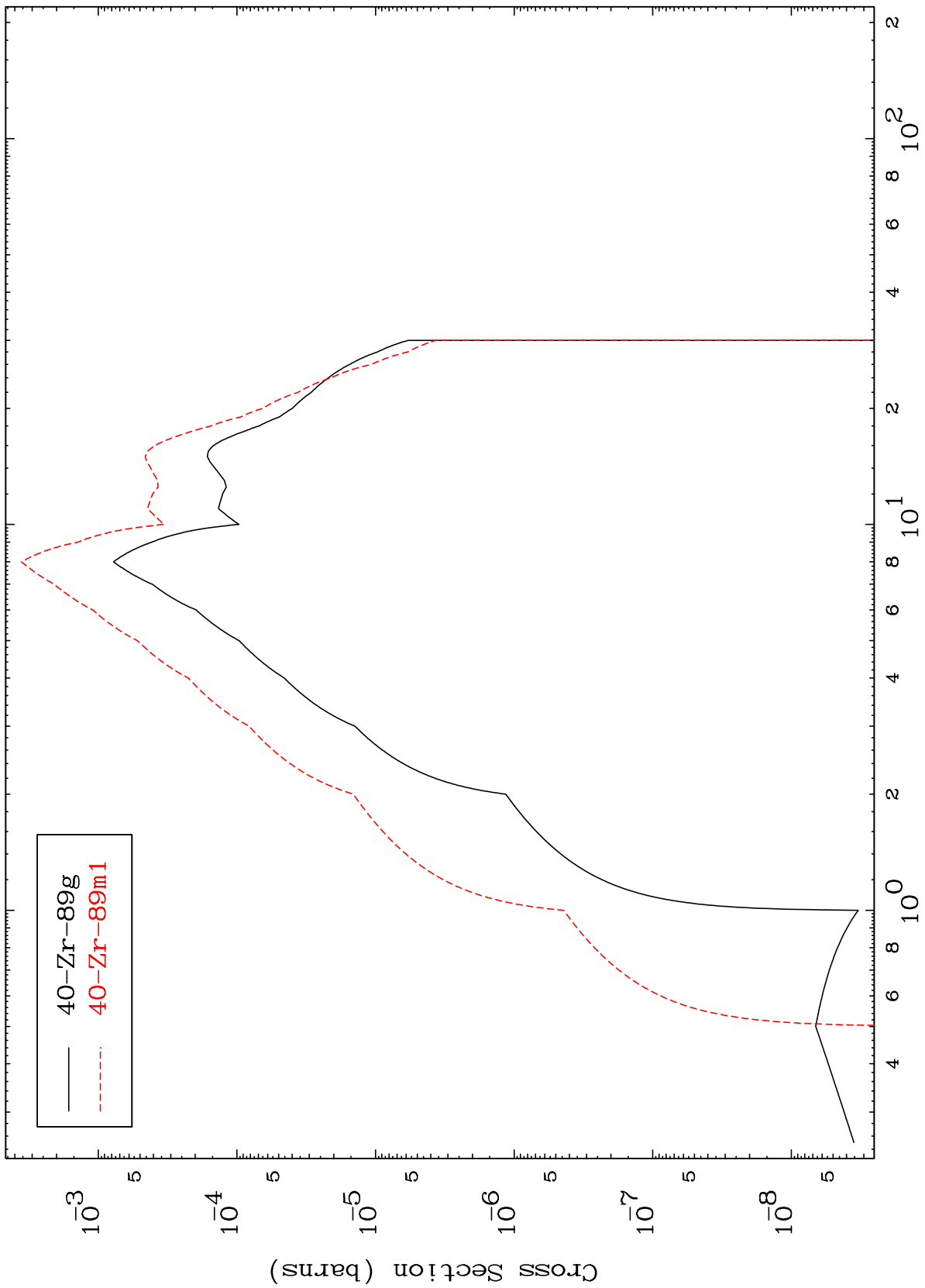
Incident Energy (MeV)

40-Zr-89

MAT 4023

40-Zr-89

(γ, γ)
Radionuclide Production Cross Section



40-Zr-89

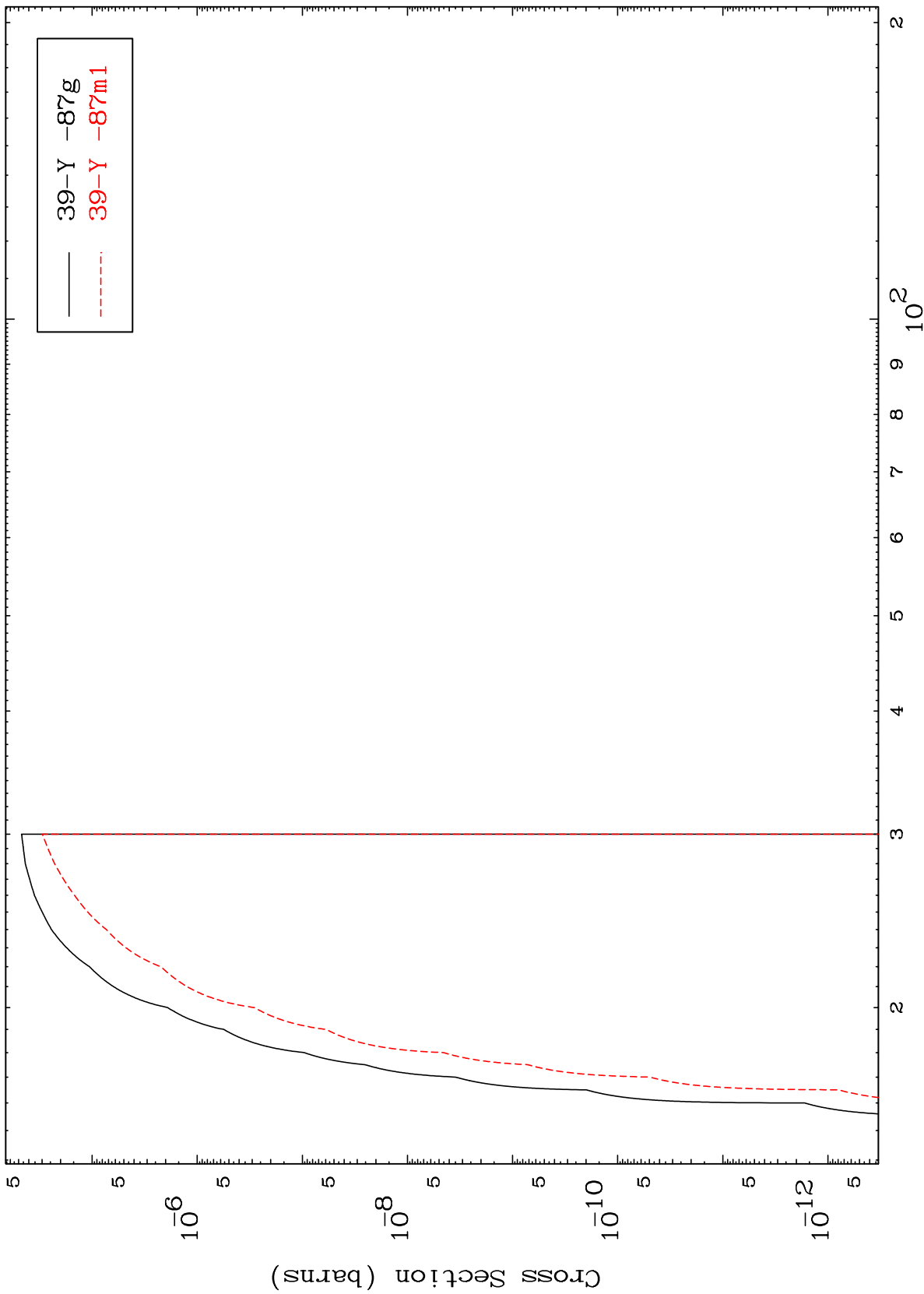
Incident Energy (MeV)

14

MAT 4023

40-Zr-89

(γ, d)
Radionuclide Production Cross Section



40-Zr-89

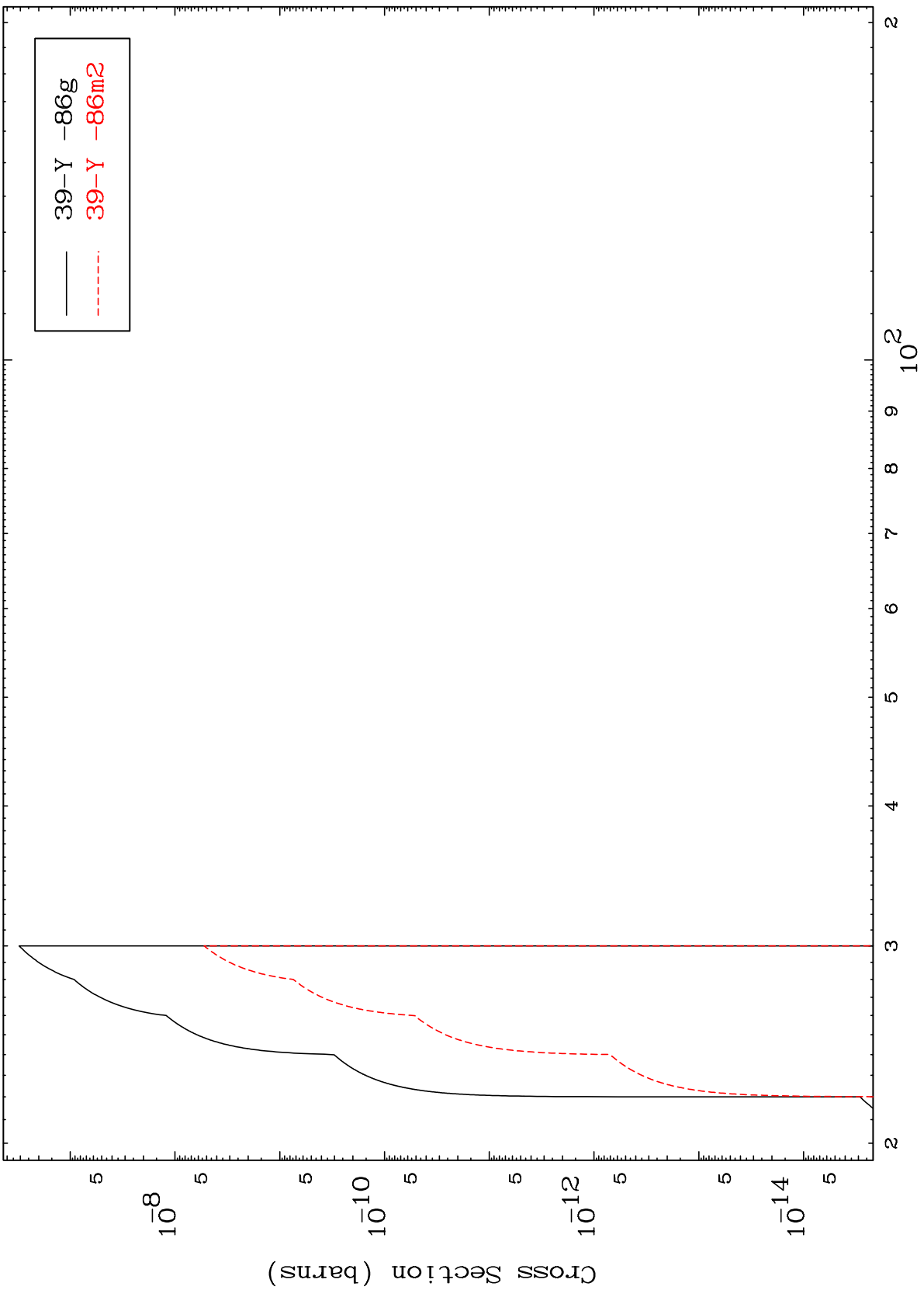
Incident Energy (MeV)

15

MAT 4023

40-Zr-89

(γ, t)
Radionuclide Production Cross Section



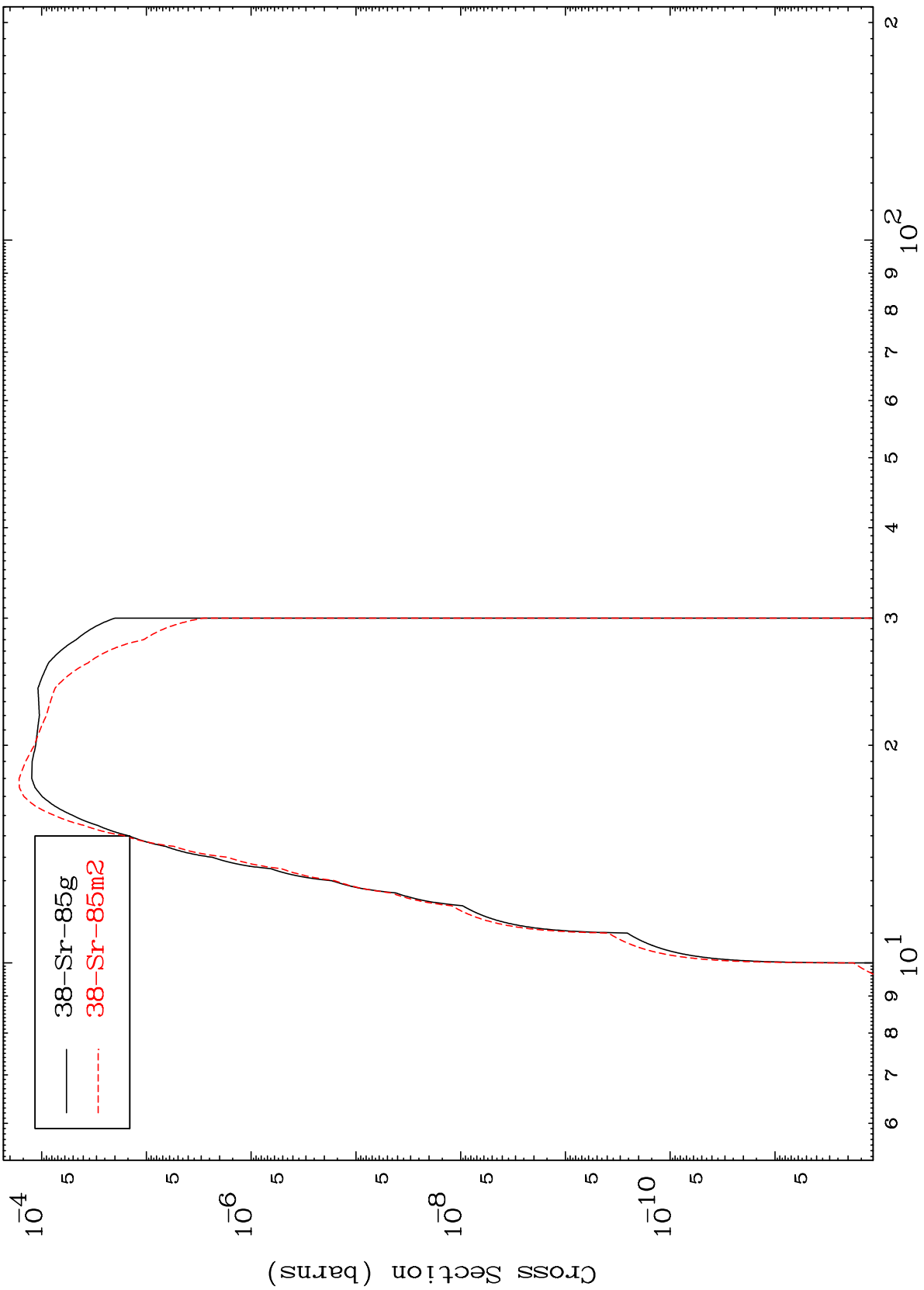
16

40-Zr-89

MAT 4023

40-Zr-89

(γ, α)
Radionuclide Production Cross Section



— 38-Sr-85g
- - - 38-Sr-85m2

40-Zr-89

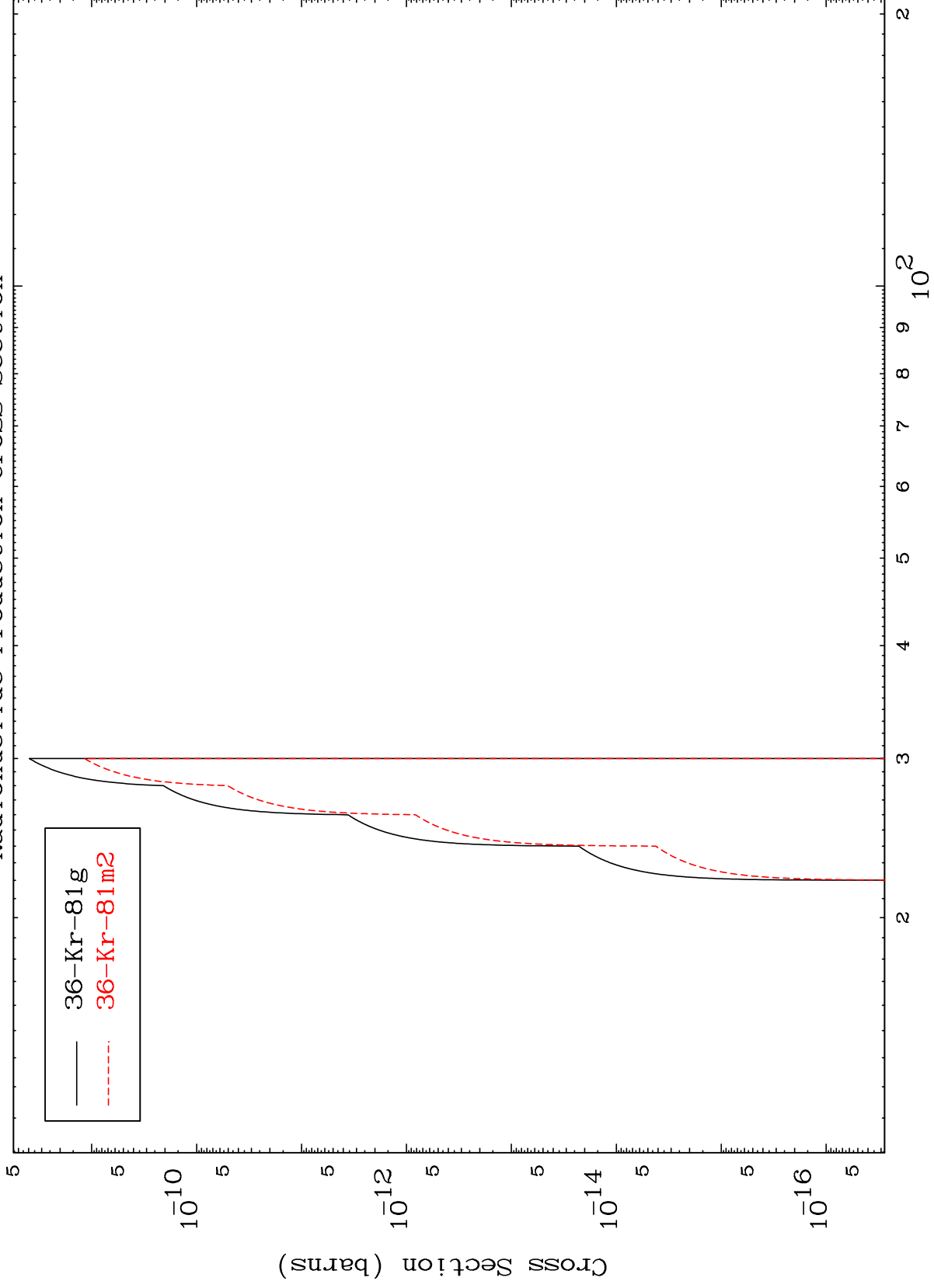
Incident Energy (MeV)

17

MAT 4023

40-Zr-89

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

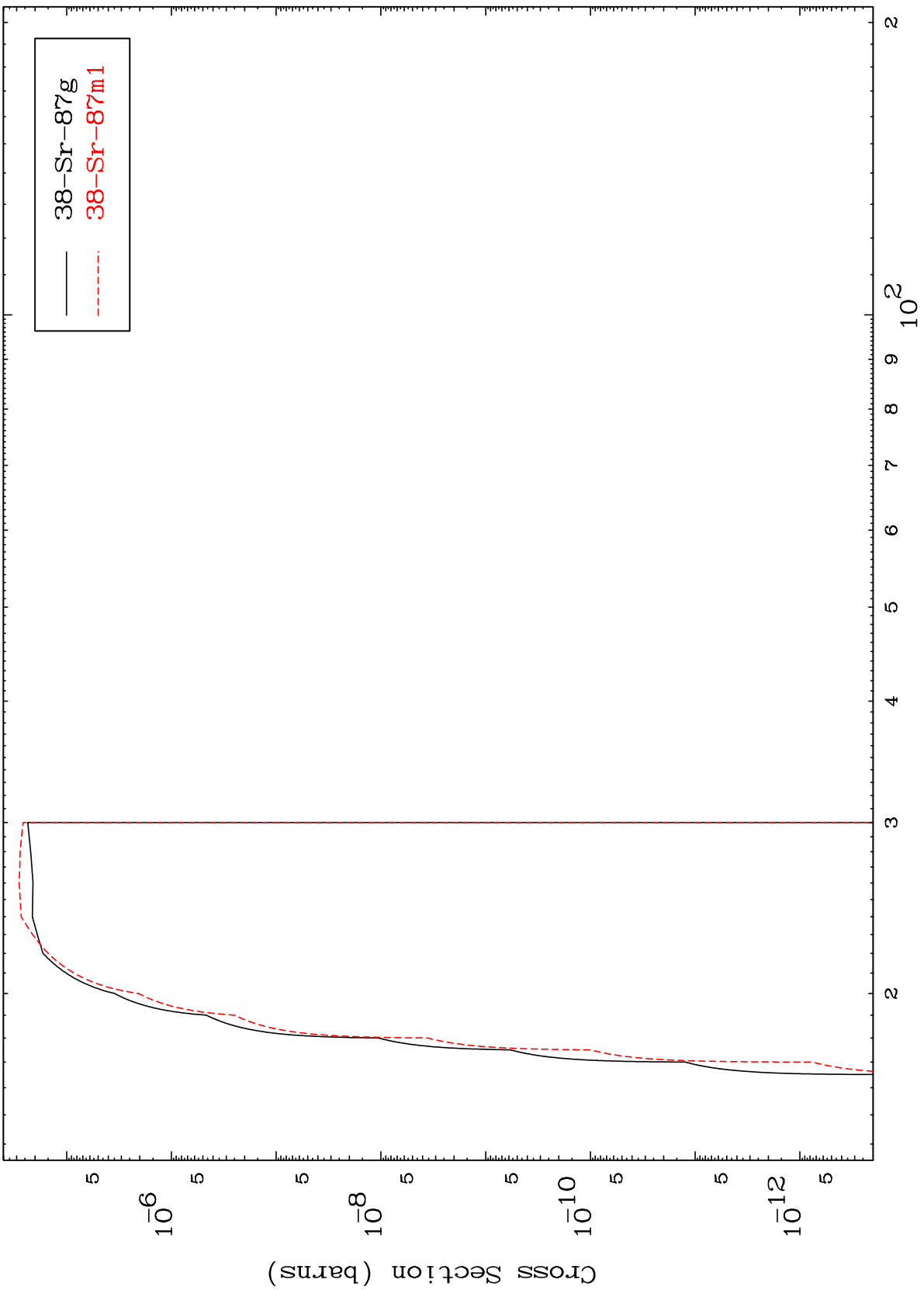


18

Incident Energy (MeV)

40-Zr-89

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

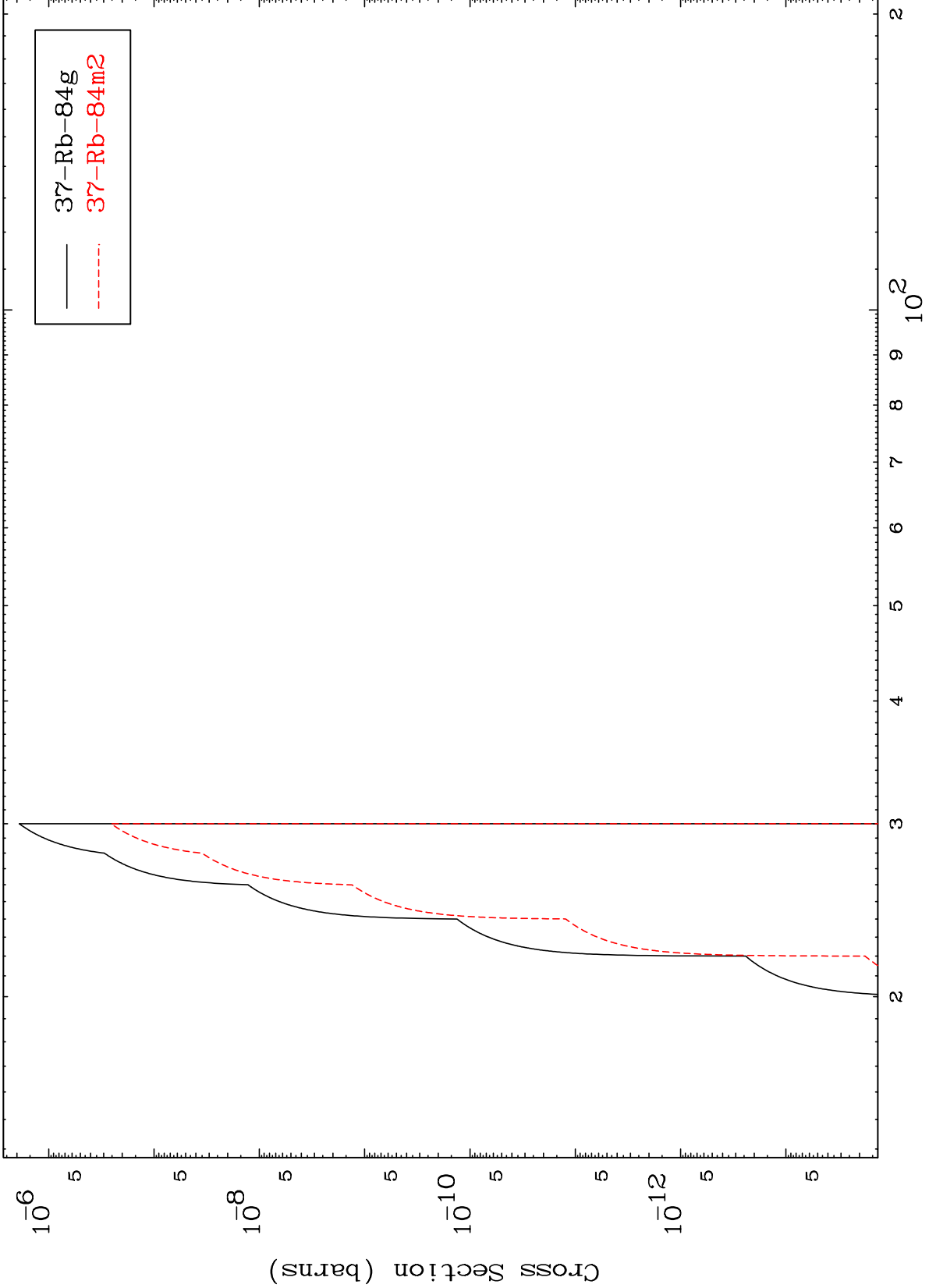


MAT 4023

(γ, p) α

40-Zr-89

Radionuclide Production Cross Section



20

Incident Energy (MeV)

40-Zr-89