

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

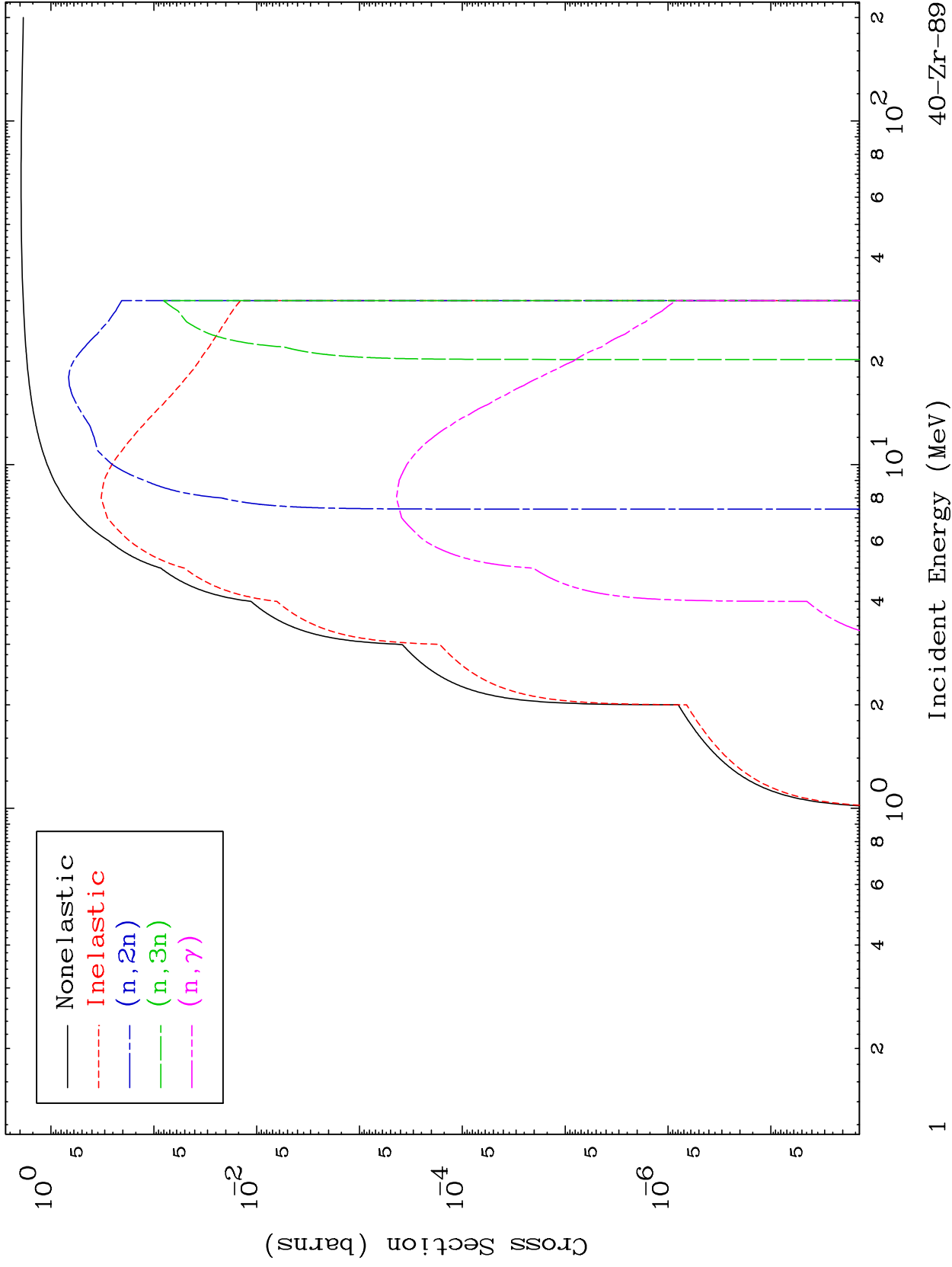
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

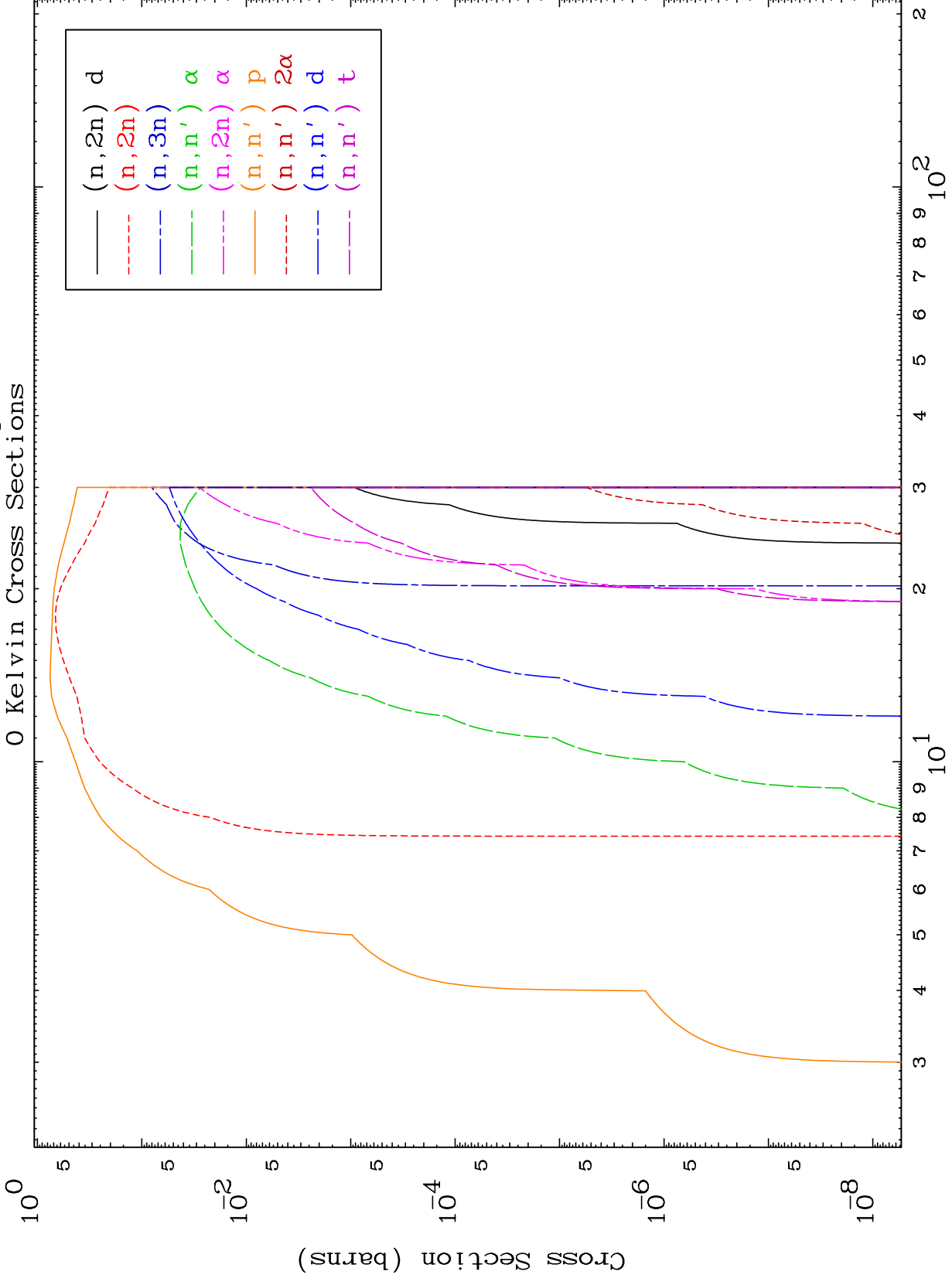
E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



Deuteron Neutron Absorption
0 Kelvin Cross Sections

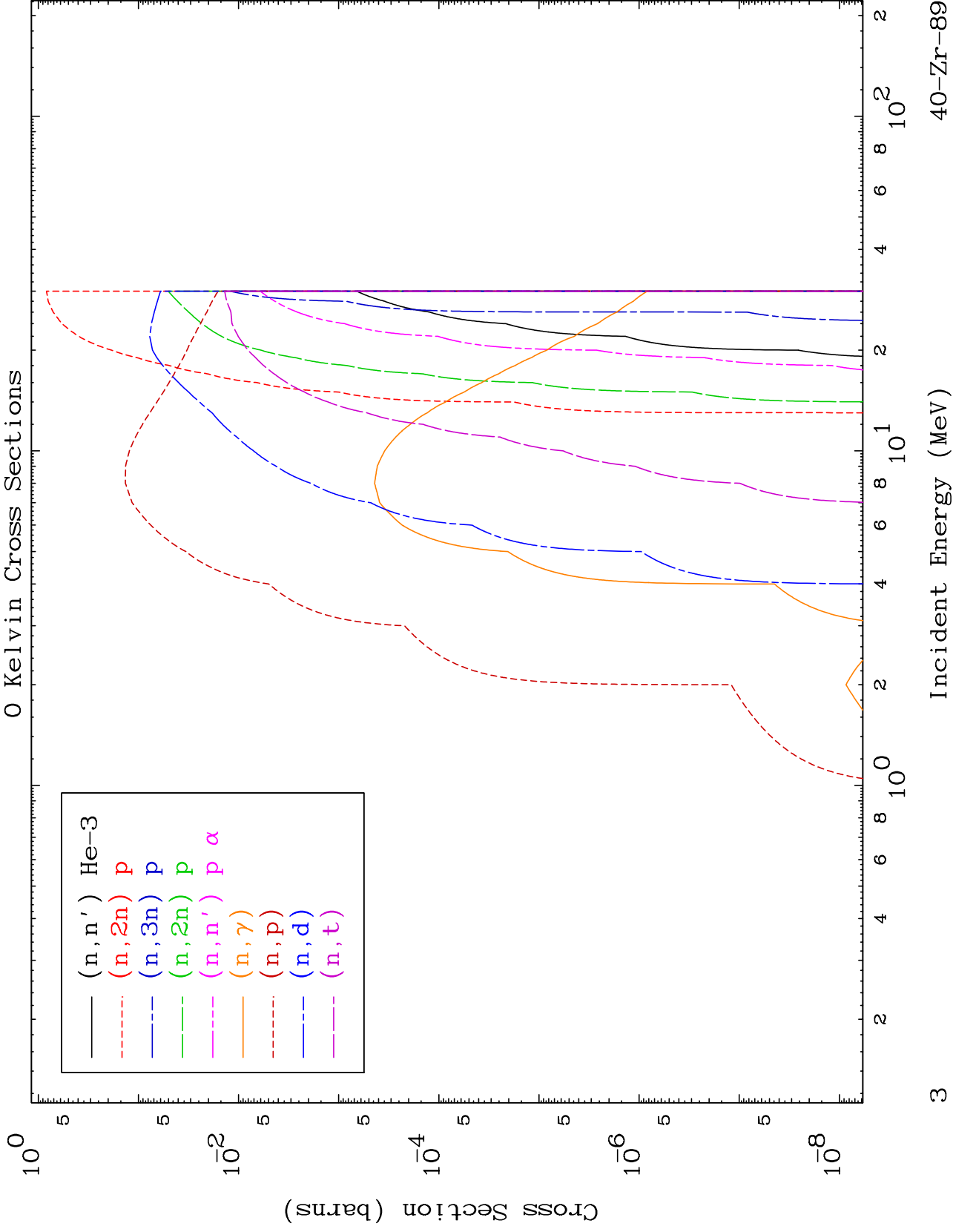


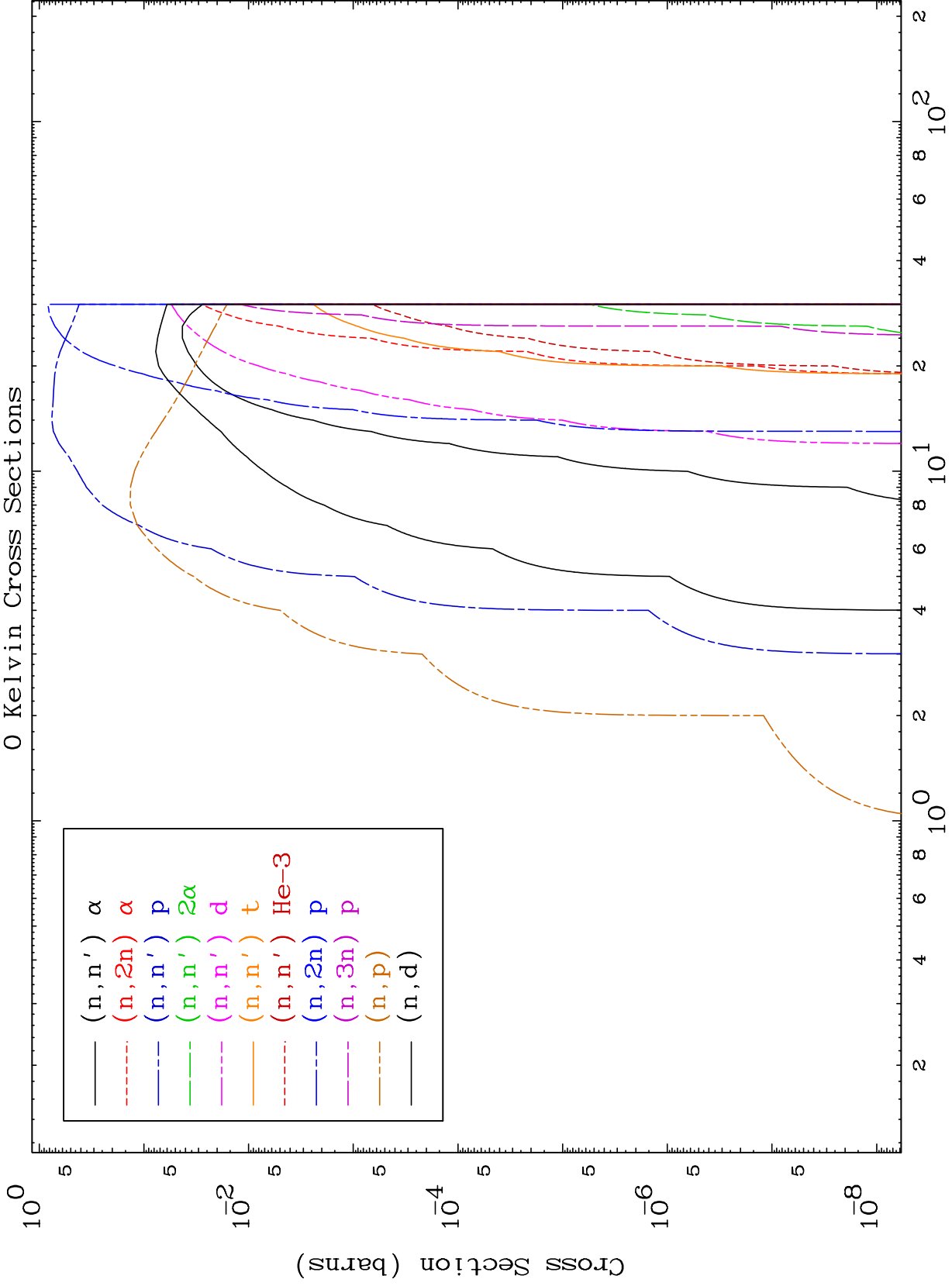
Incident Energy (MeV)

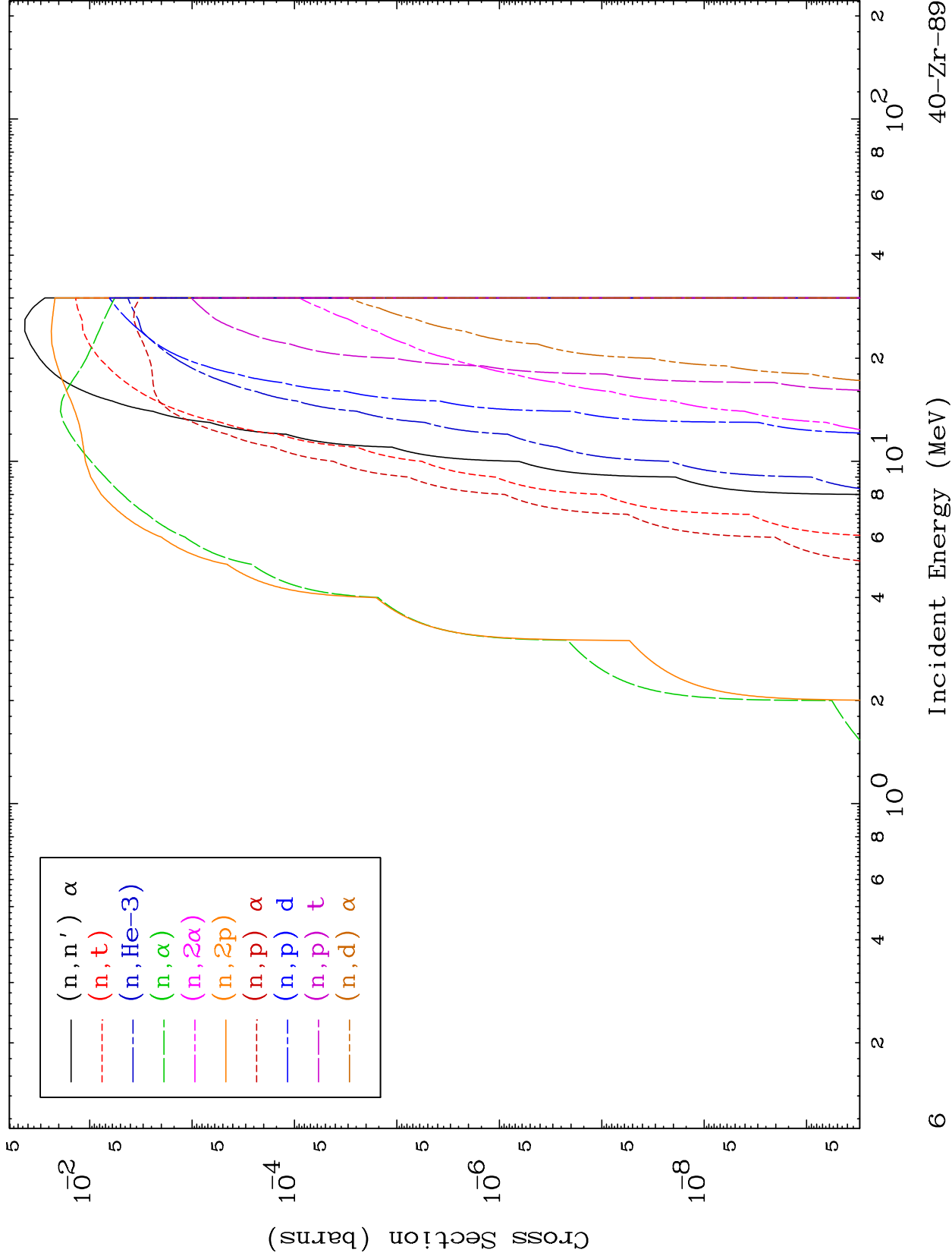
MAT 4022

Deuteron Neutron Absorption
0 Kelvin Cross Sections

40-Zr-89





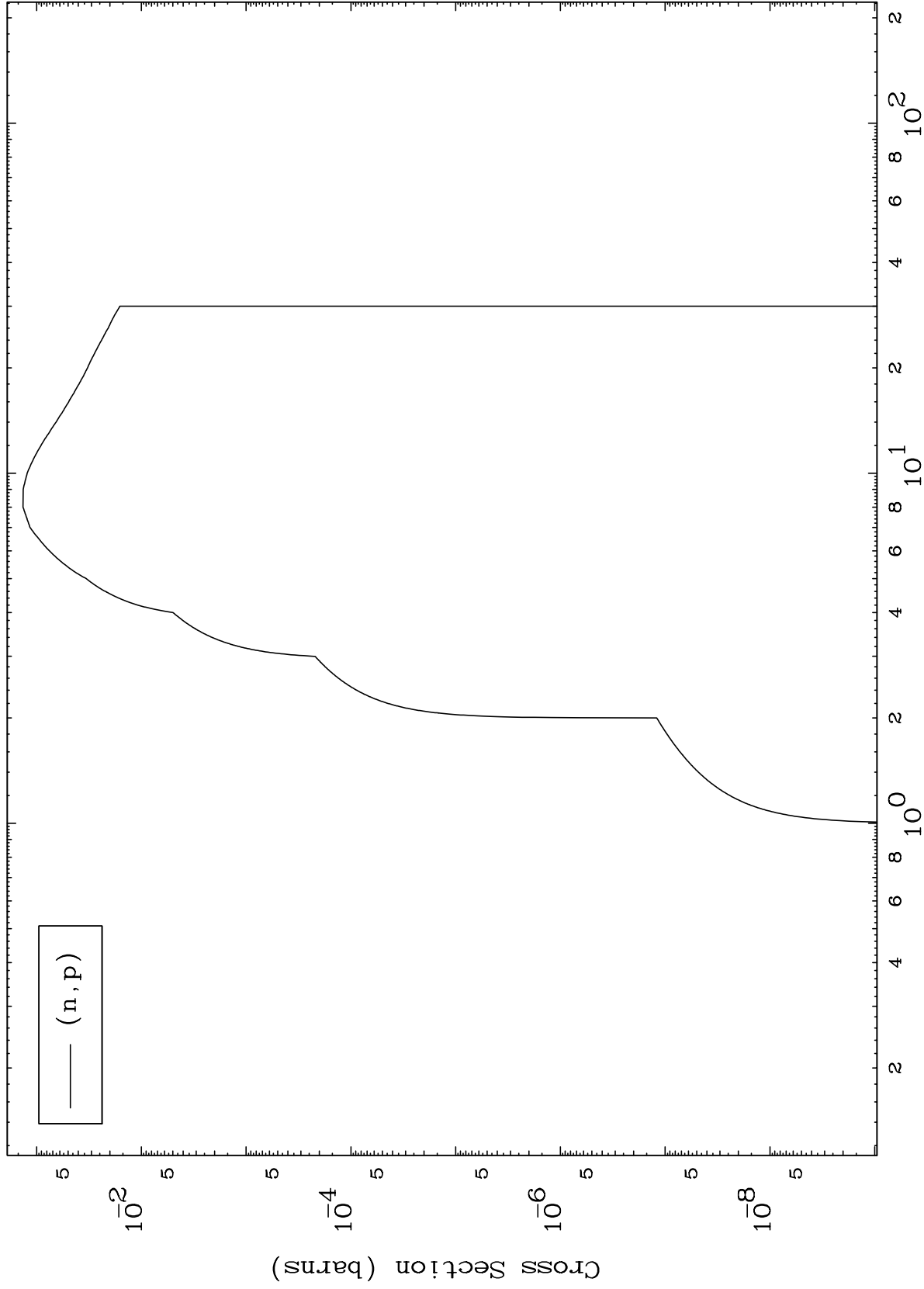


MAT 4022

(d,p) Levels

40-Zr-89

0 Kelvin Cross Sections

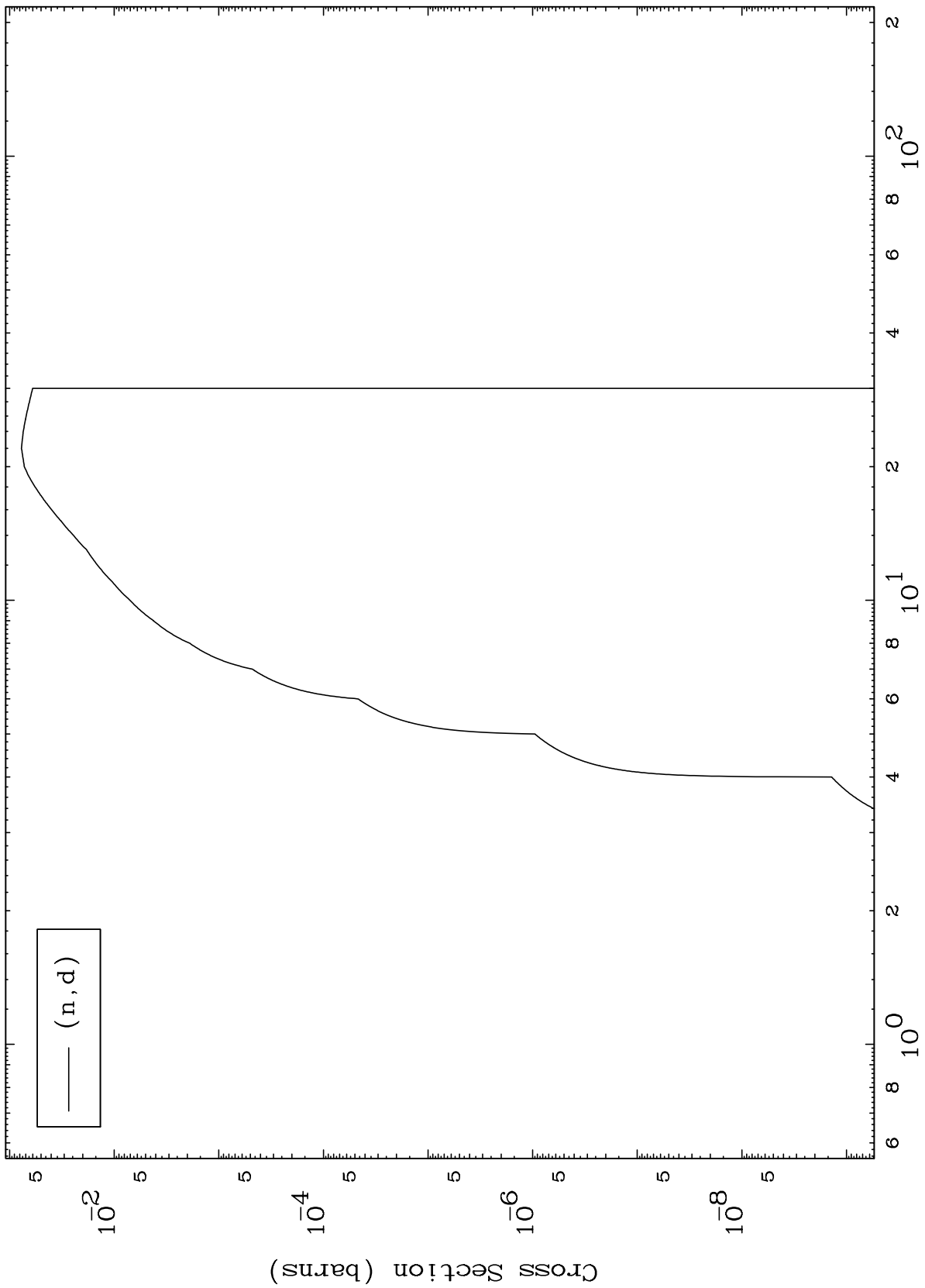


MAT 4022

(d,d) Levels

40-Zr-89

0 Kelvin Cross Sections



Incident Energy (MeV)

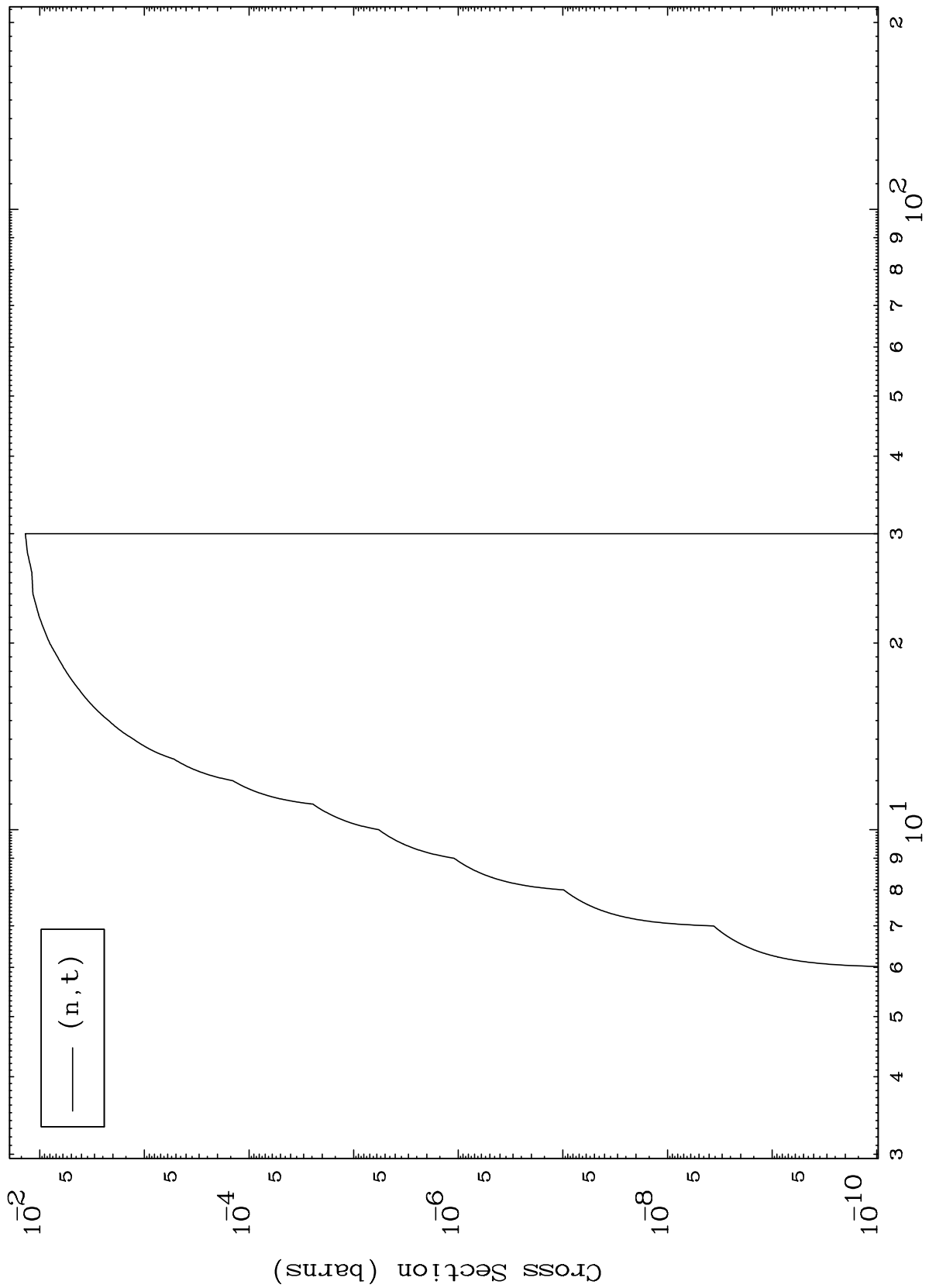
40-Zr-89

8

MAT 4022

40-Zr-89

(d,t) Levels
0 Kelvin Cross Sections



9

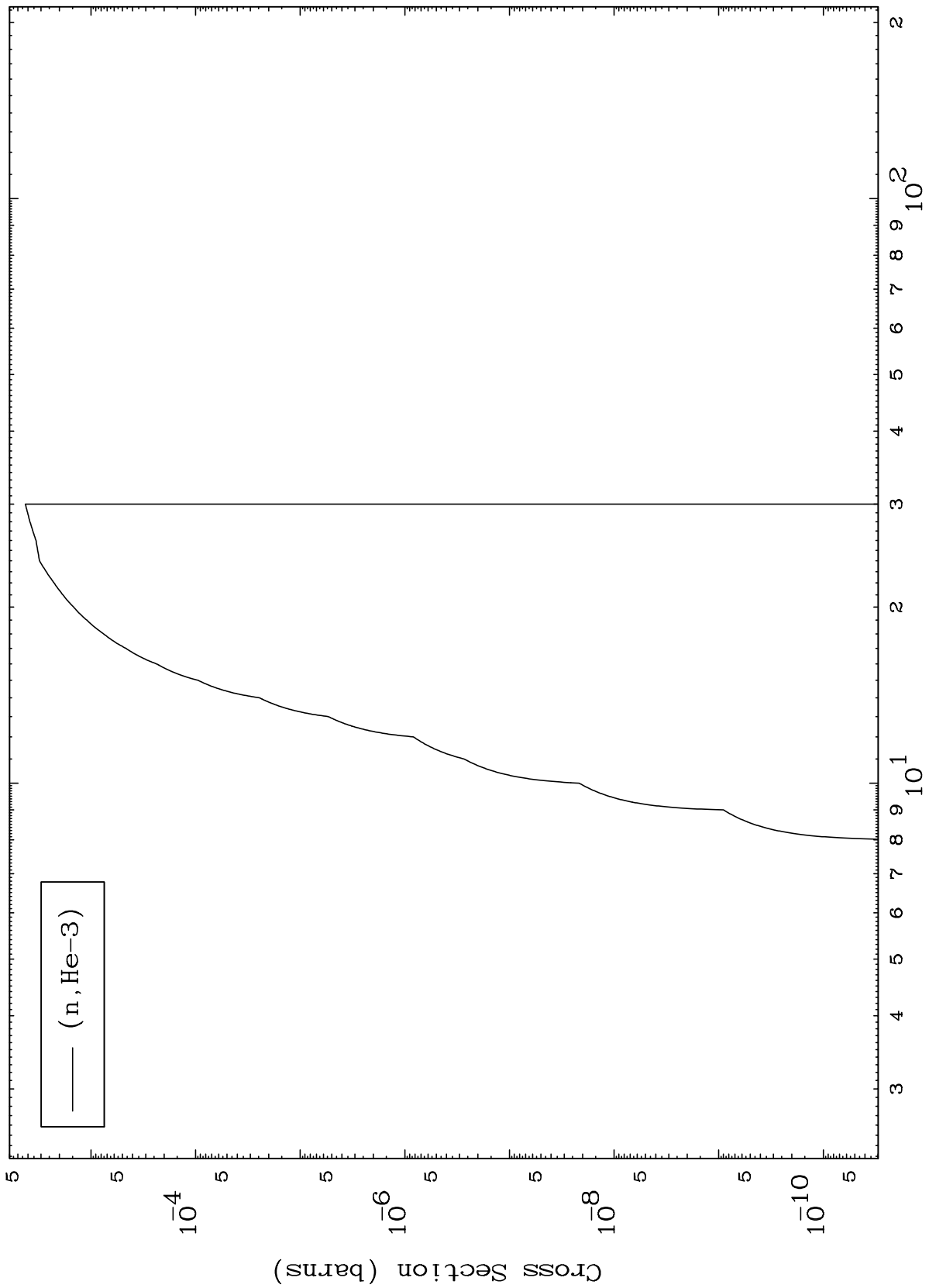
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

(d,He3) Levels
0 Kelvin Cross Sections



40-Zr-89

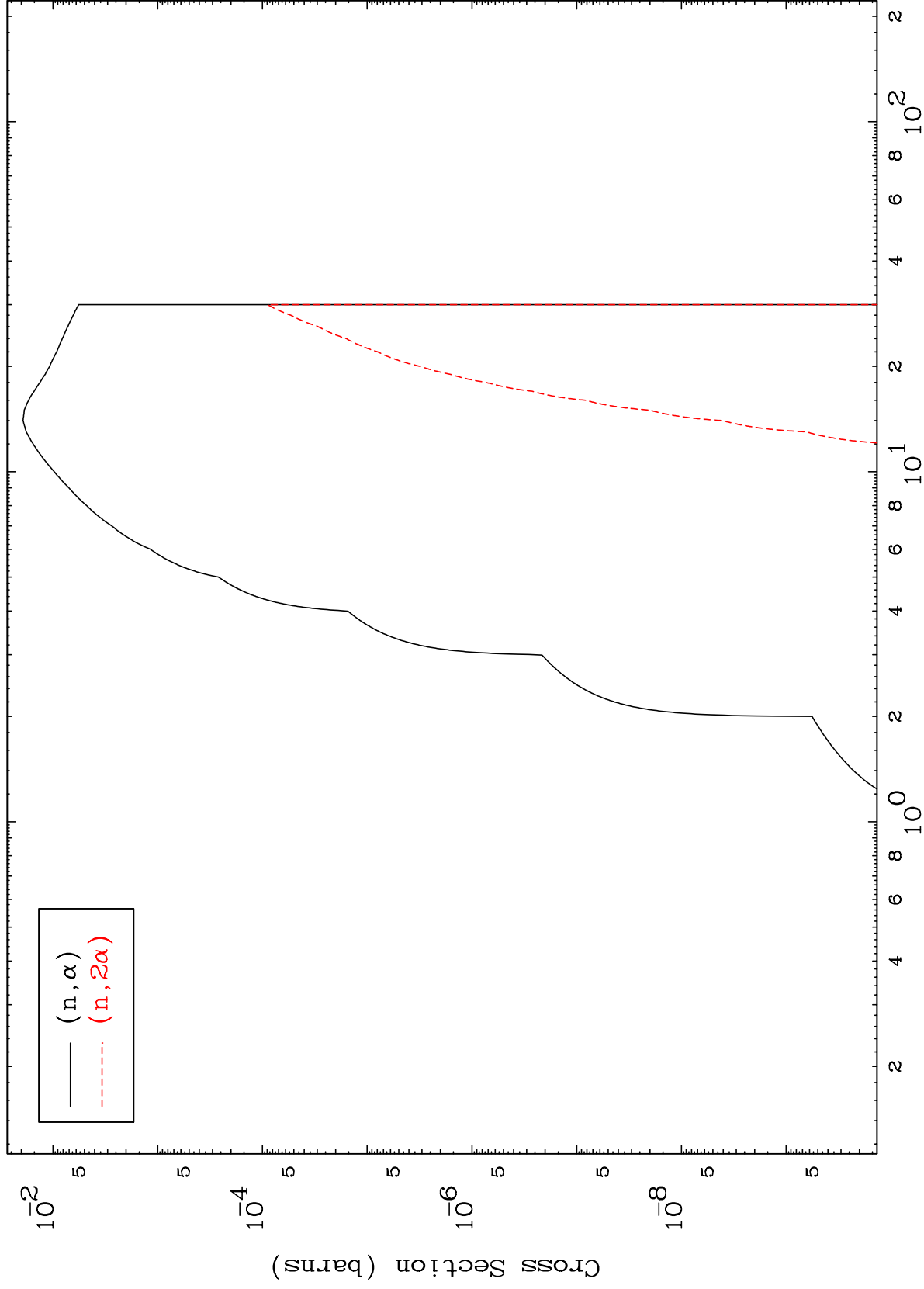
Incident Energy (MeV)

10

MAT 4022

40-Zr-89

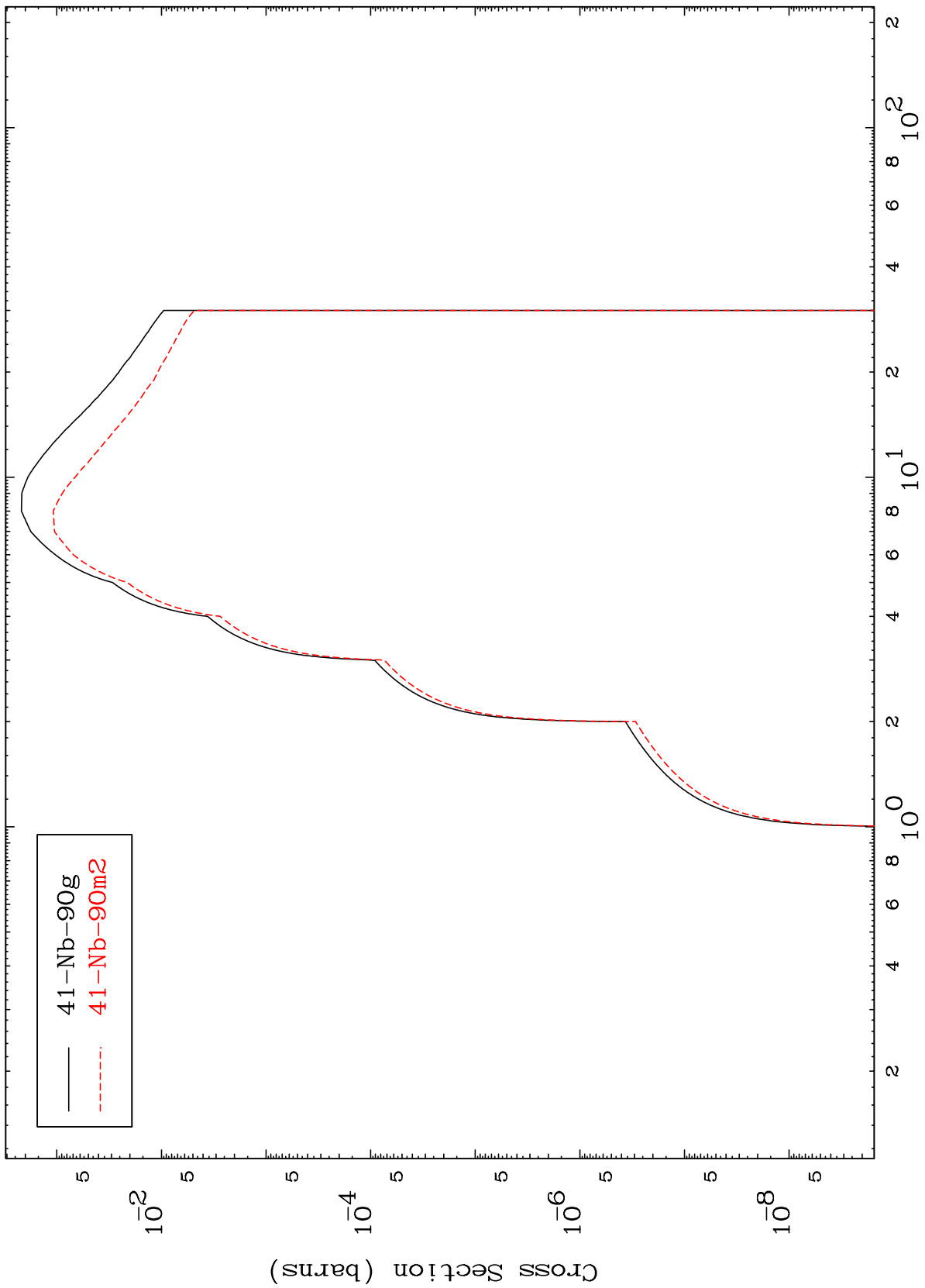
(d, α) Levels
0 Kelvin Cross Sections



MAT 4022

40-Zr-89

Inelastic
Radionuclide Production Cross Section



— 41-Nb-90g
- - - 41-Nb-90m2

40-Zr-89

Incident Energy (MeV)

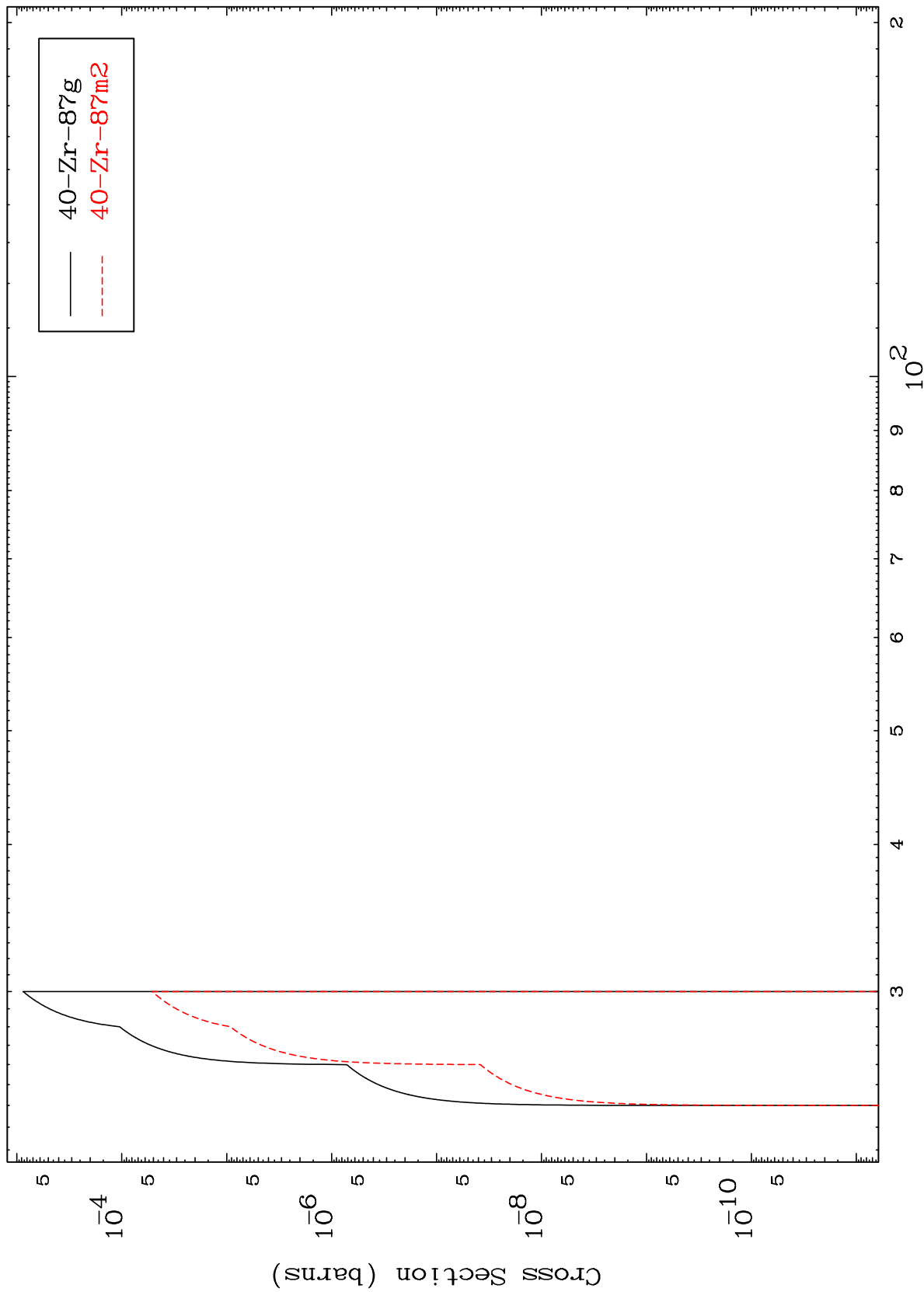
12

MAT 4022

(n,2n) d

40-Zr-89

Radionuclide Production Cross Section



13

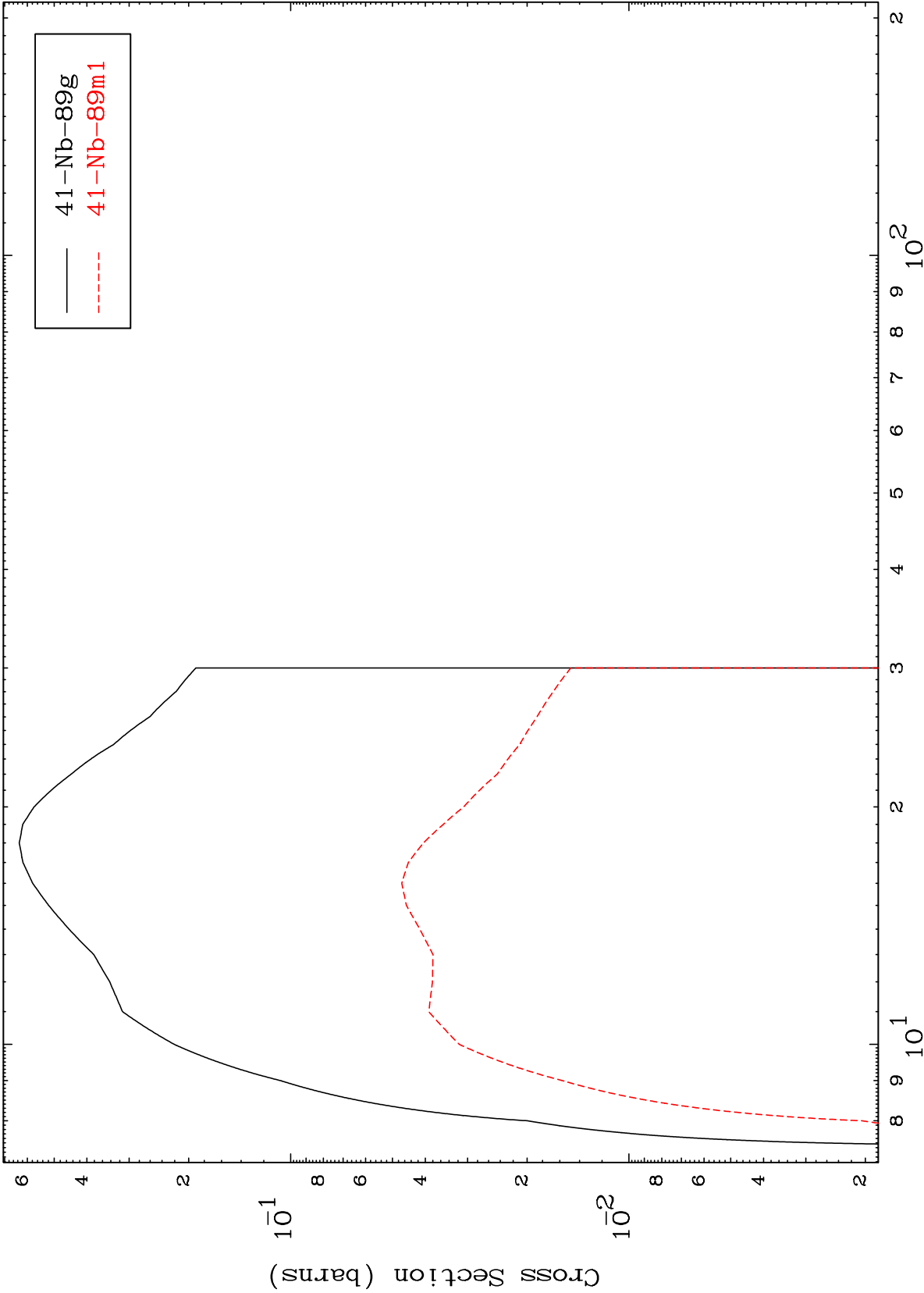
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

(n,2n)
Radionuclide Production Cross Section



41-Nb-89g
41-Nb-89m1

40-Zr-89

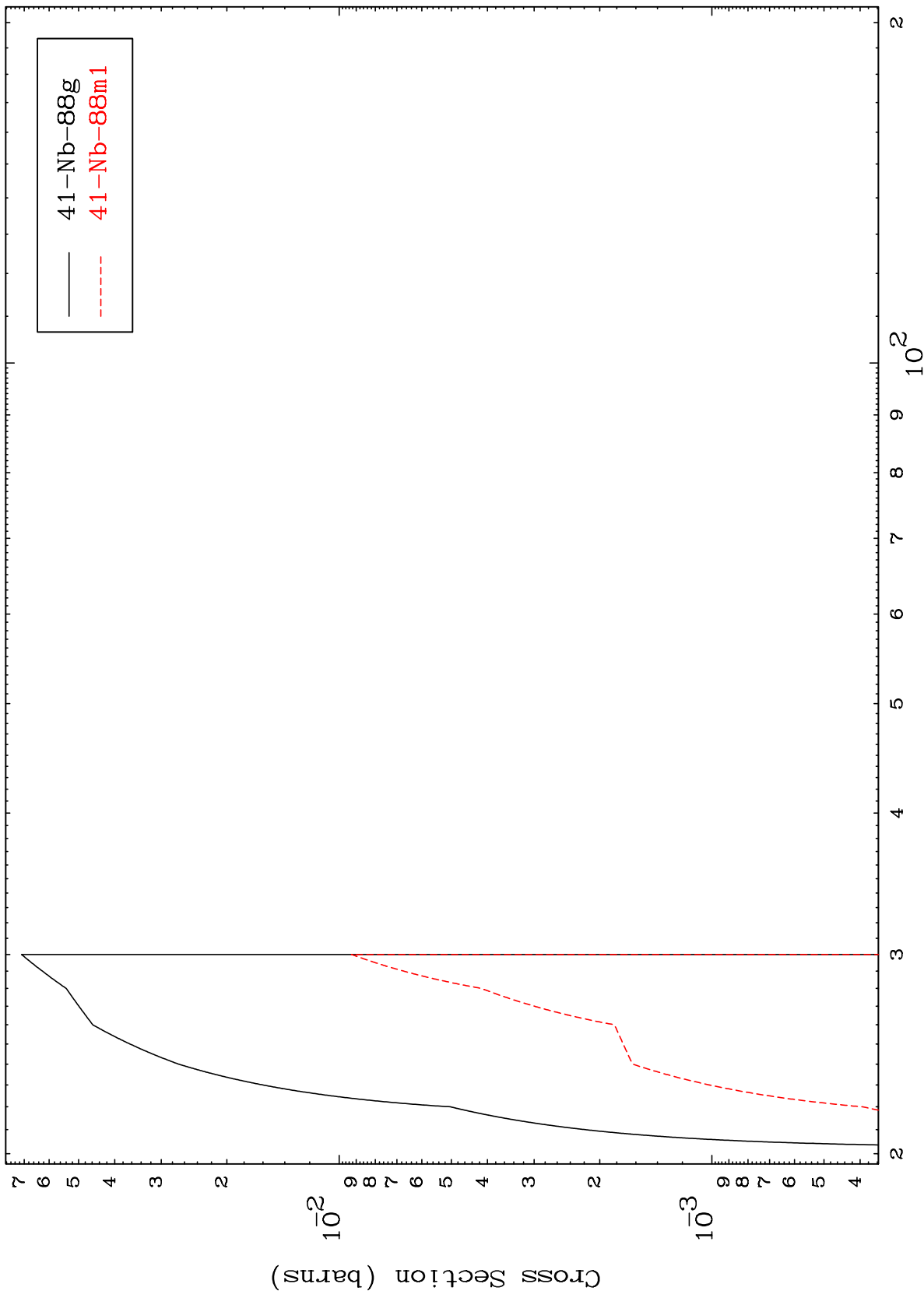
Incident Energy (MeV)

14

MAT 4022

40-Zr-89

(n,3n)
Radionuclide Production Cross Section



40-Zr-89

Incident Energy (MeV)

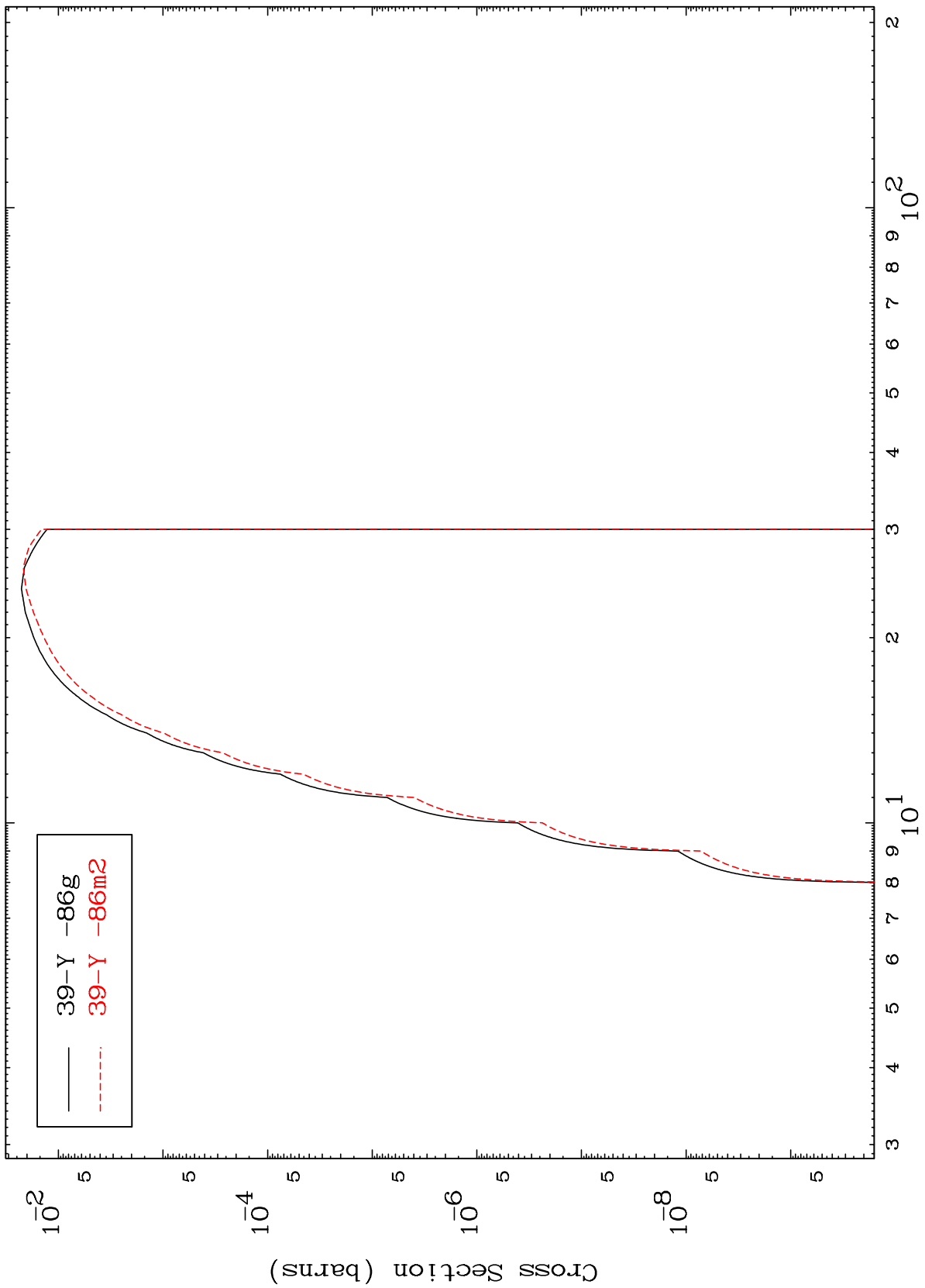
15

MAT 4022

$(n, n') \alpha$

40-Zr-89

Radionuclide Production Cross Section

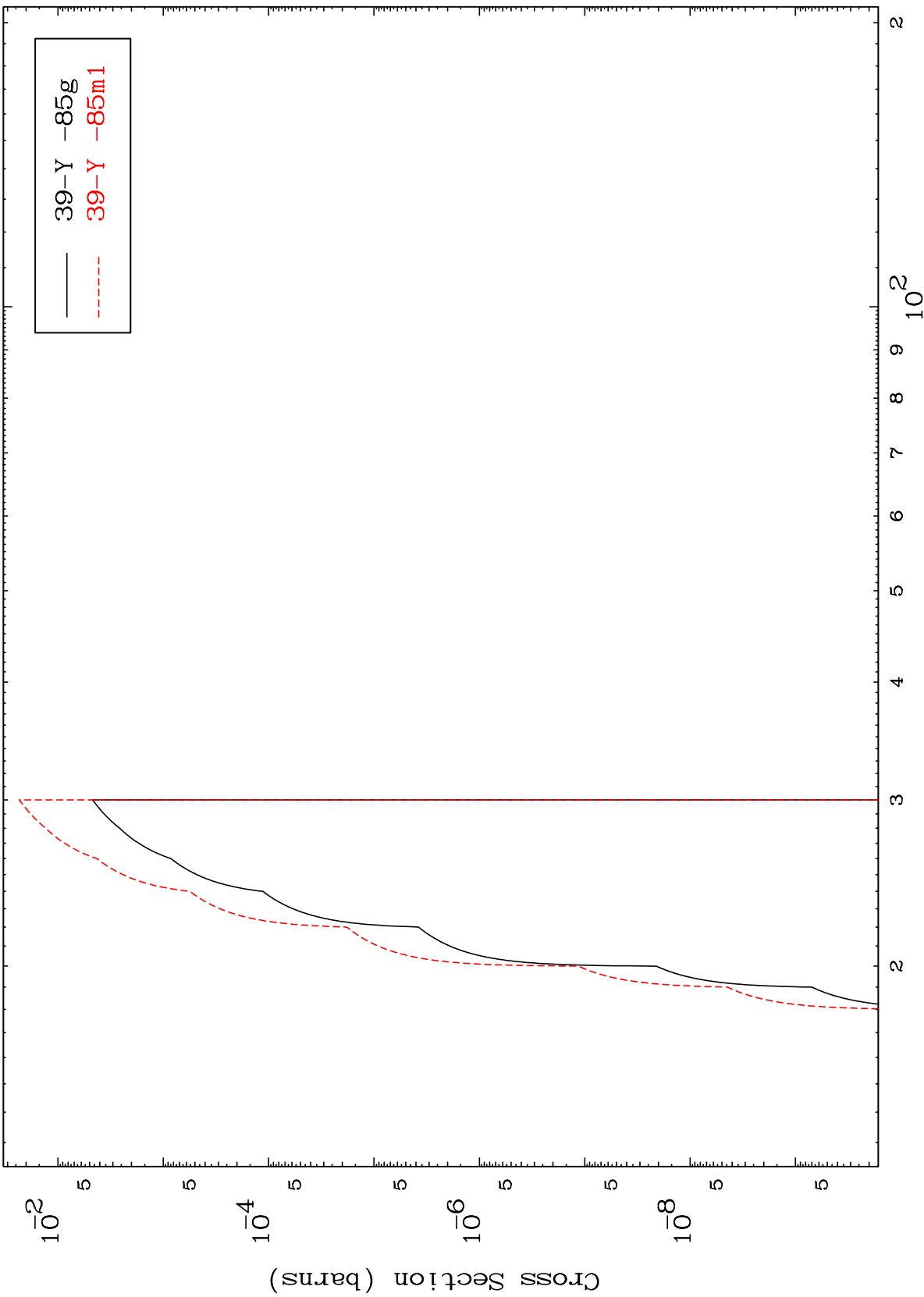


16

Incident Energy (MeV)

40-Zr-89

Radionuclide Production Cross Section

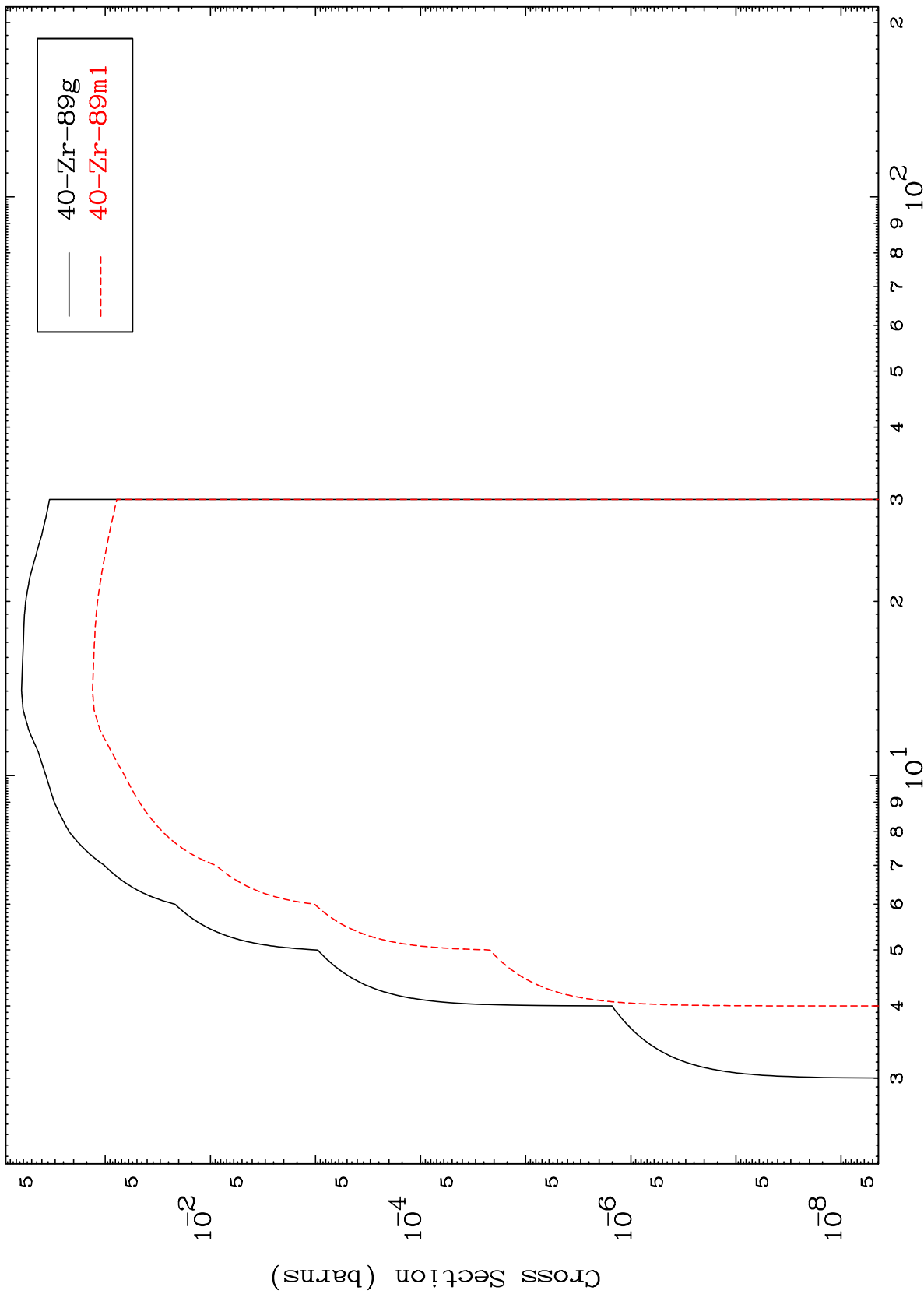


MAT 4022

(n,n') p

40-Zr-89

Radionuclide Production Cross Section



18

Incident Energy (MeV)

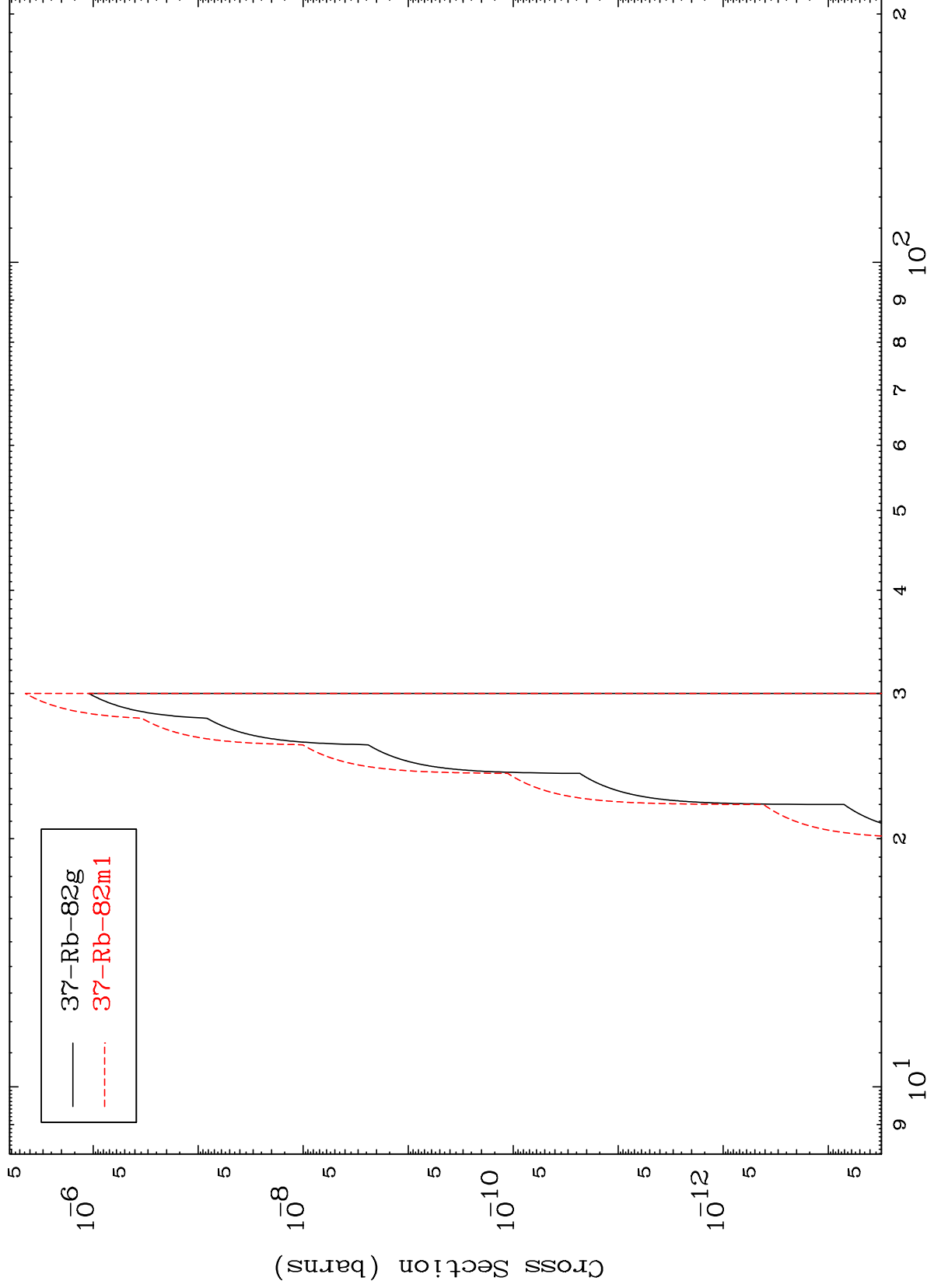
40-Zr-89

MAT 4022

(n,n') 2α

40-Zr-89

Radionuclide Production Cross Section



19

Incident Energy (MeV)

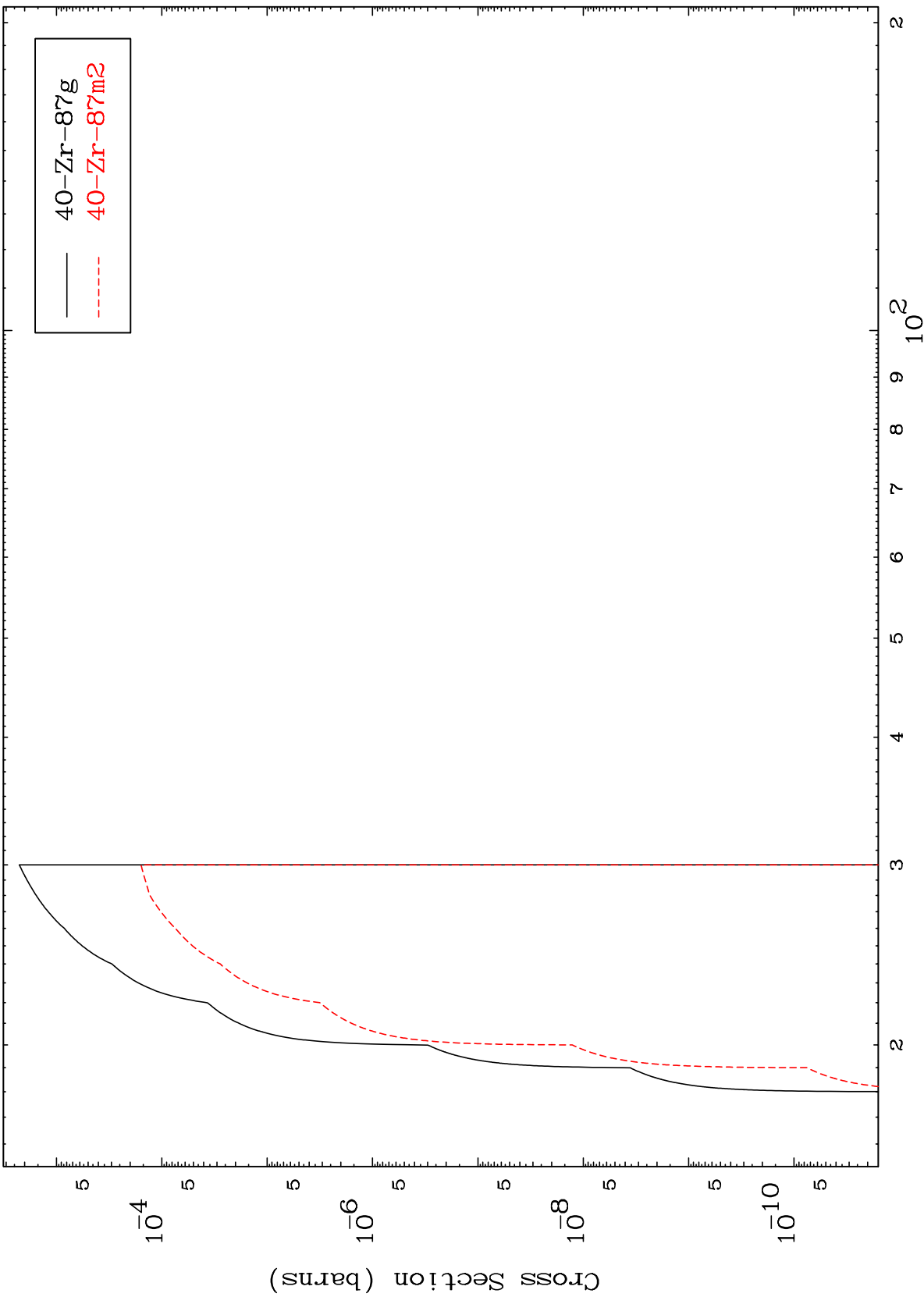
40-Zr-89

MAT 4022

(n,n') t

40-Zr-89

Radionuclide Production Cross Section



20

Incident Energy (MeV)

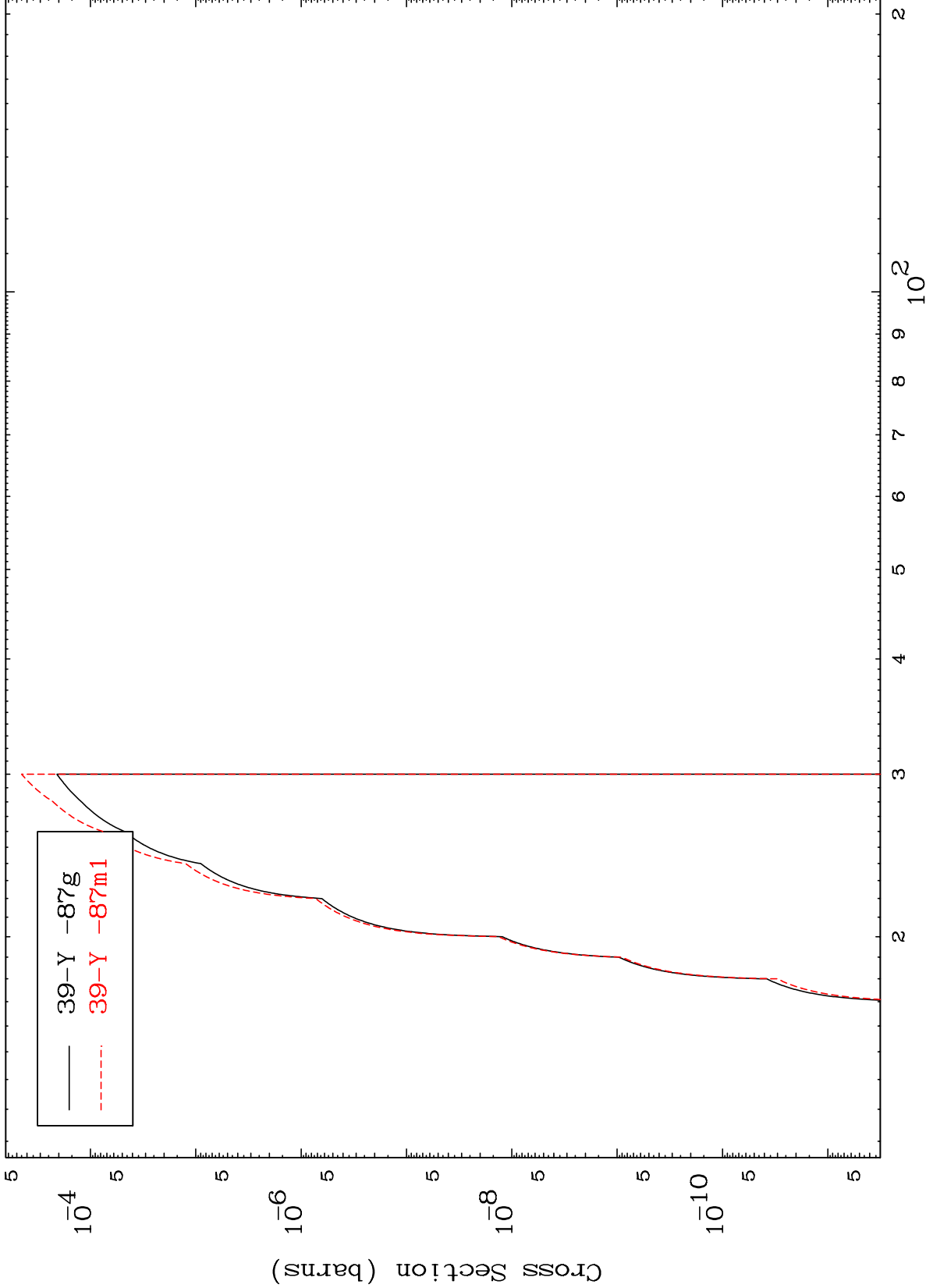
40-Zr-89

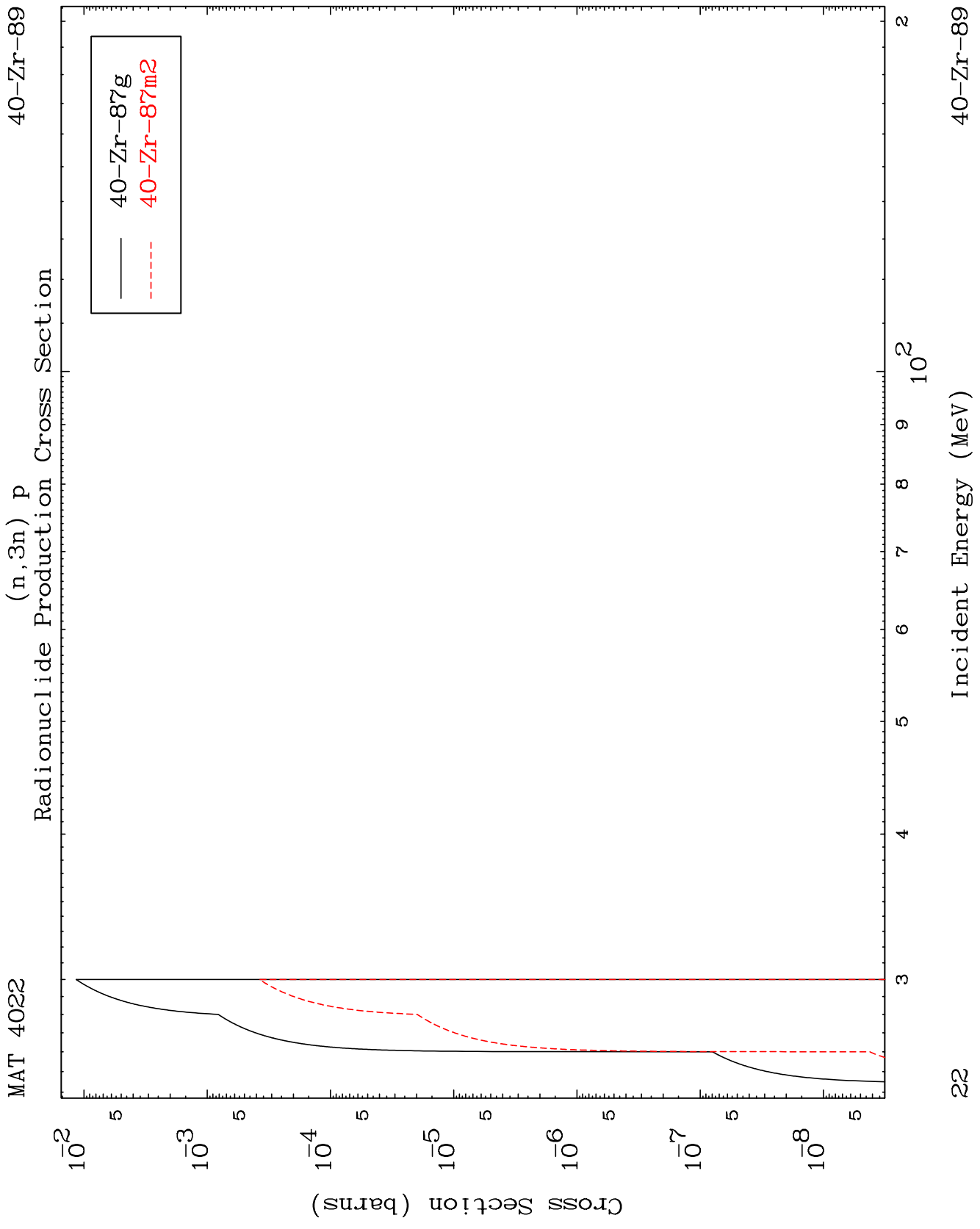
MAT 4022

(n,n') He-3

40-Zr-89

Radionuclide Production Cross Section



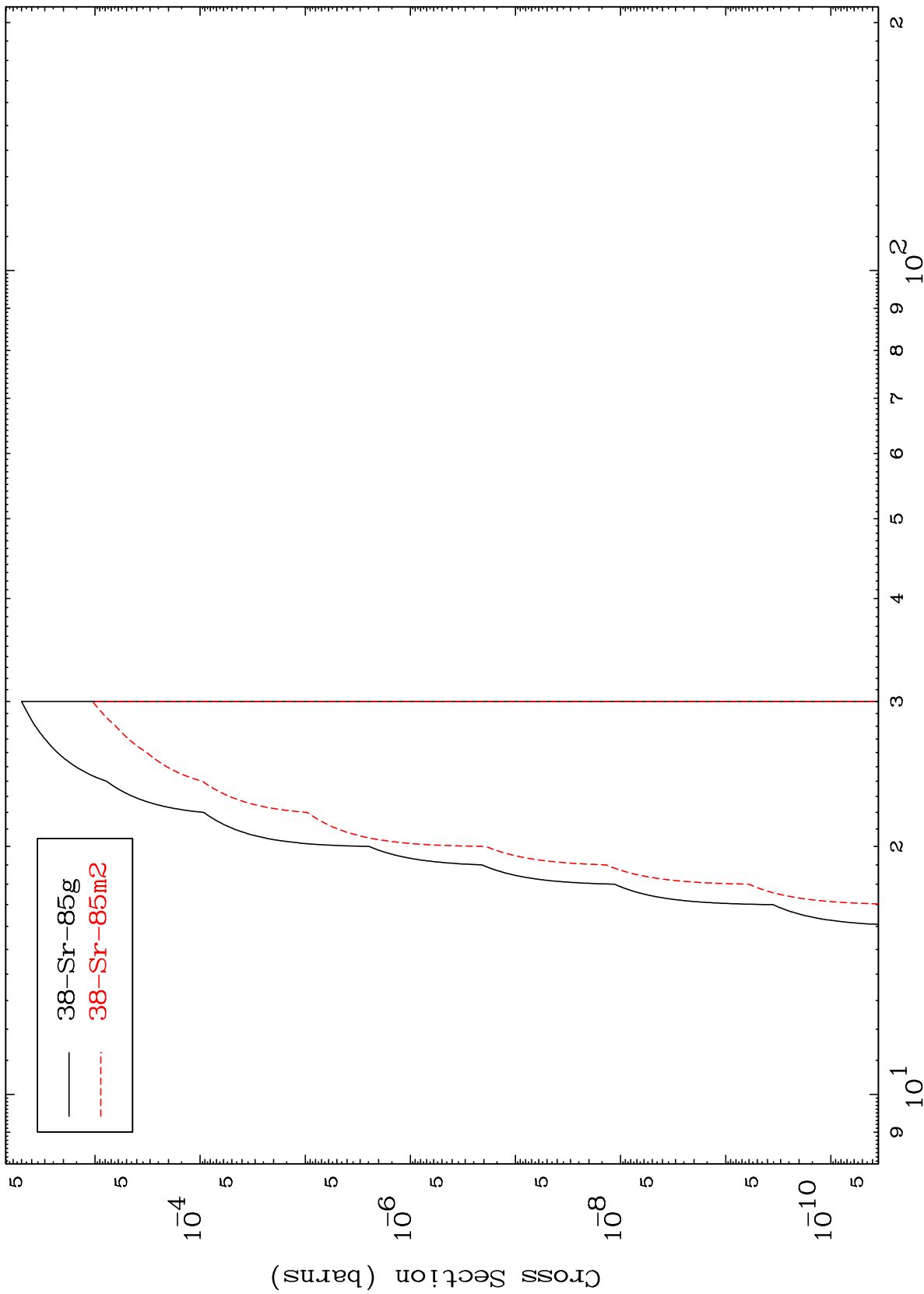


MAT 4022

(n,n') p α

40-Zr-89

Radionuclide Production Cross Section



Incident Energy (MeV)

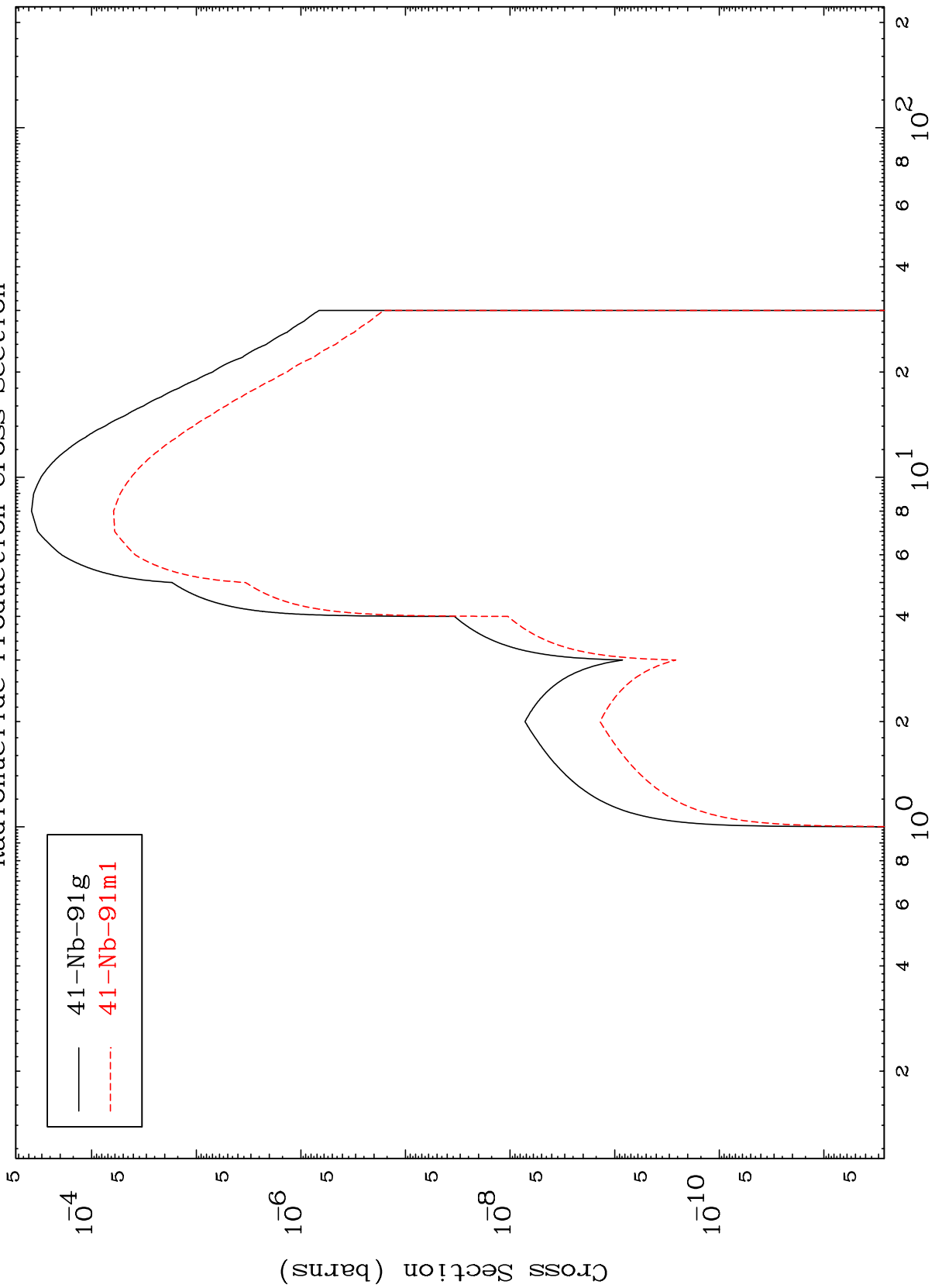
40-Zr-89

23

MAT 4022

40-Zr-89

(n, γ)
Radionuclide Production Cross Section



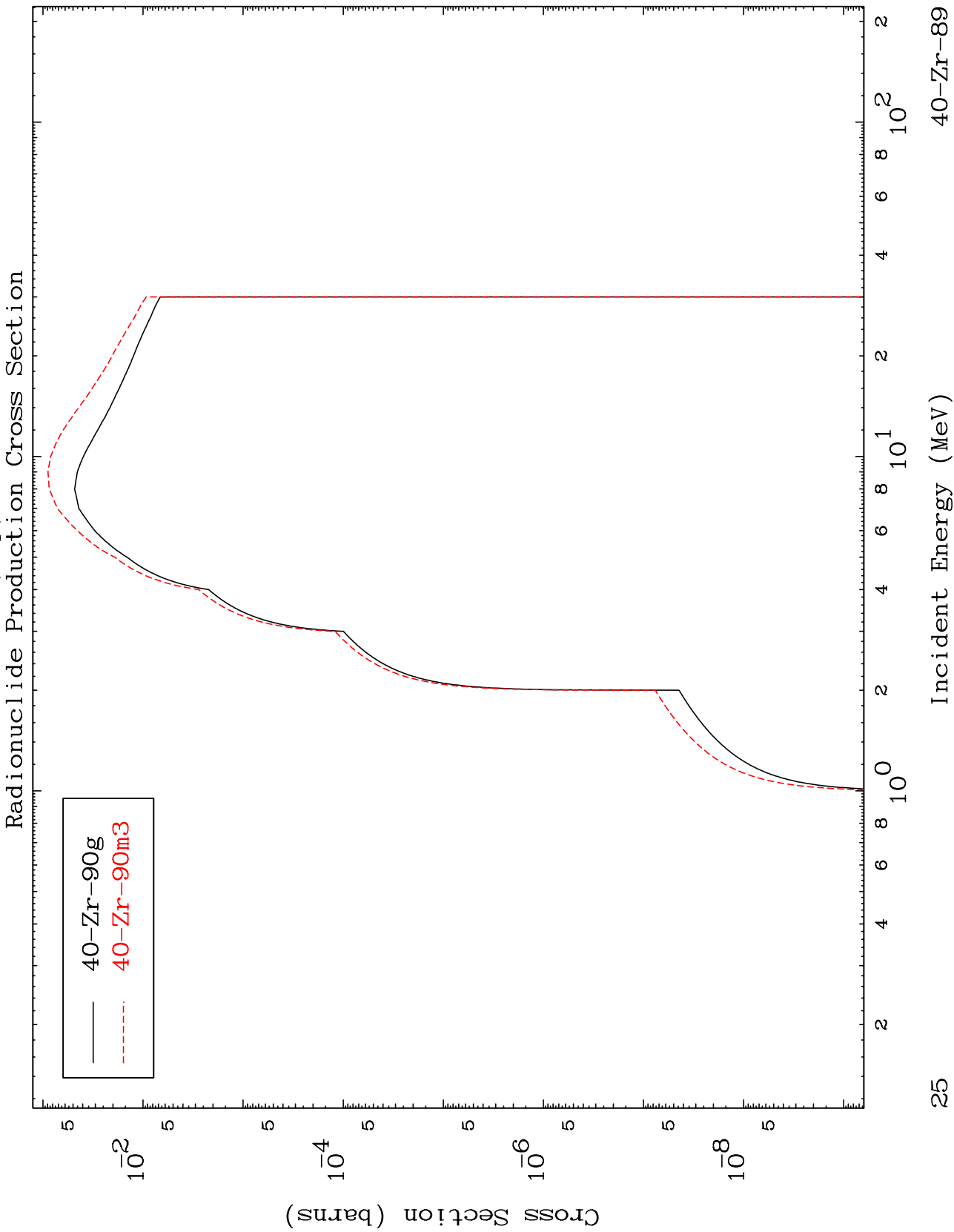
40-Zr-89

Incident Energy (MeV)

24

MAT 4022

40-Zr-89

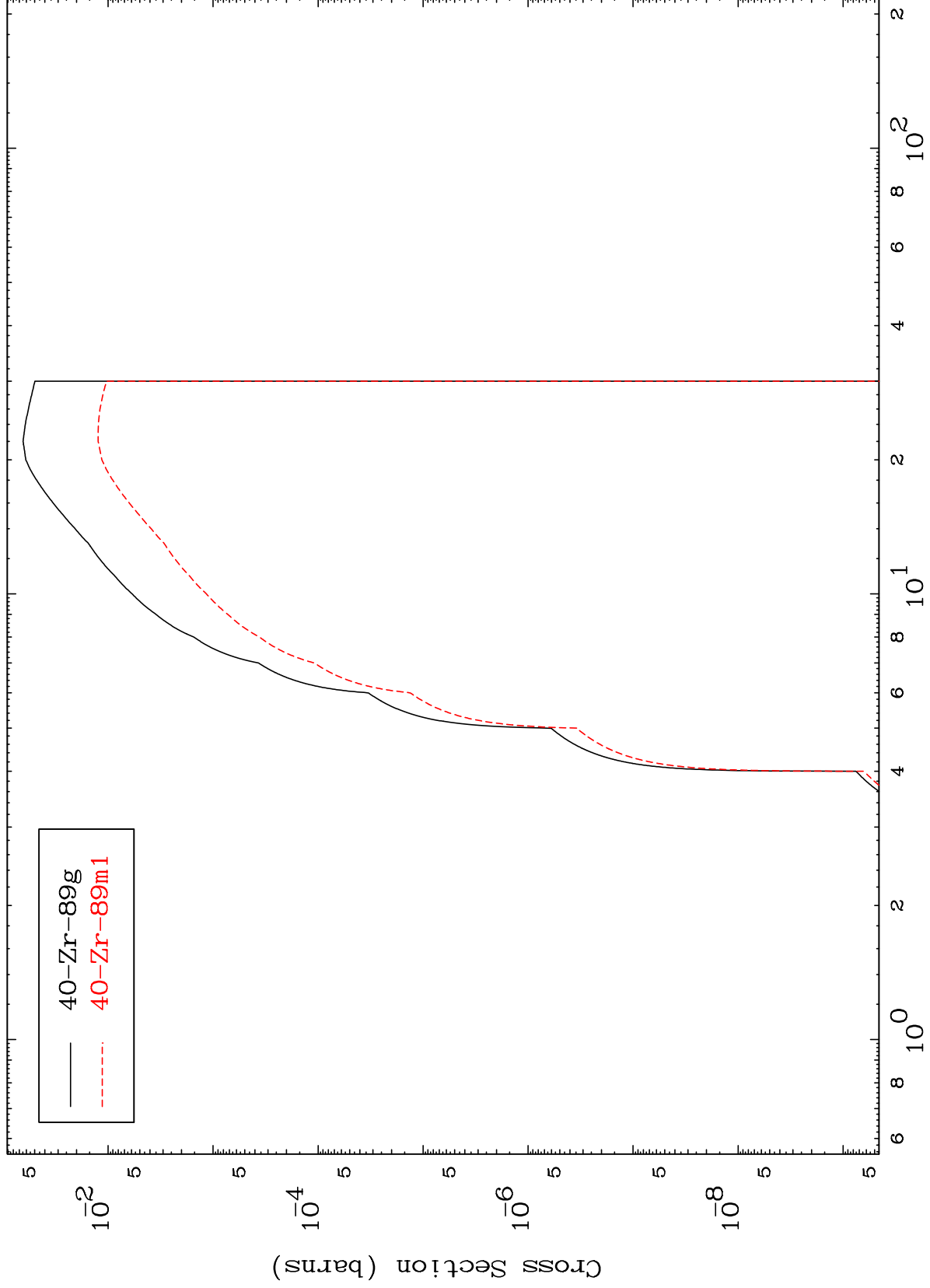


MAT 4022

(n,d)

40-Zr-89

Radionuclide Production Cross Section



26

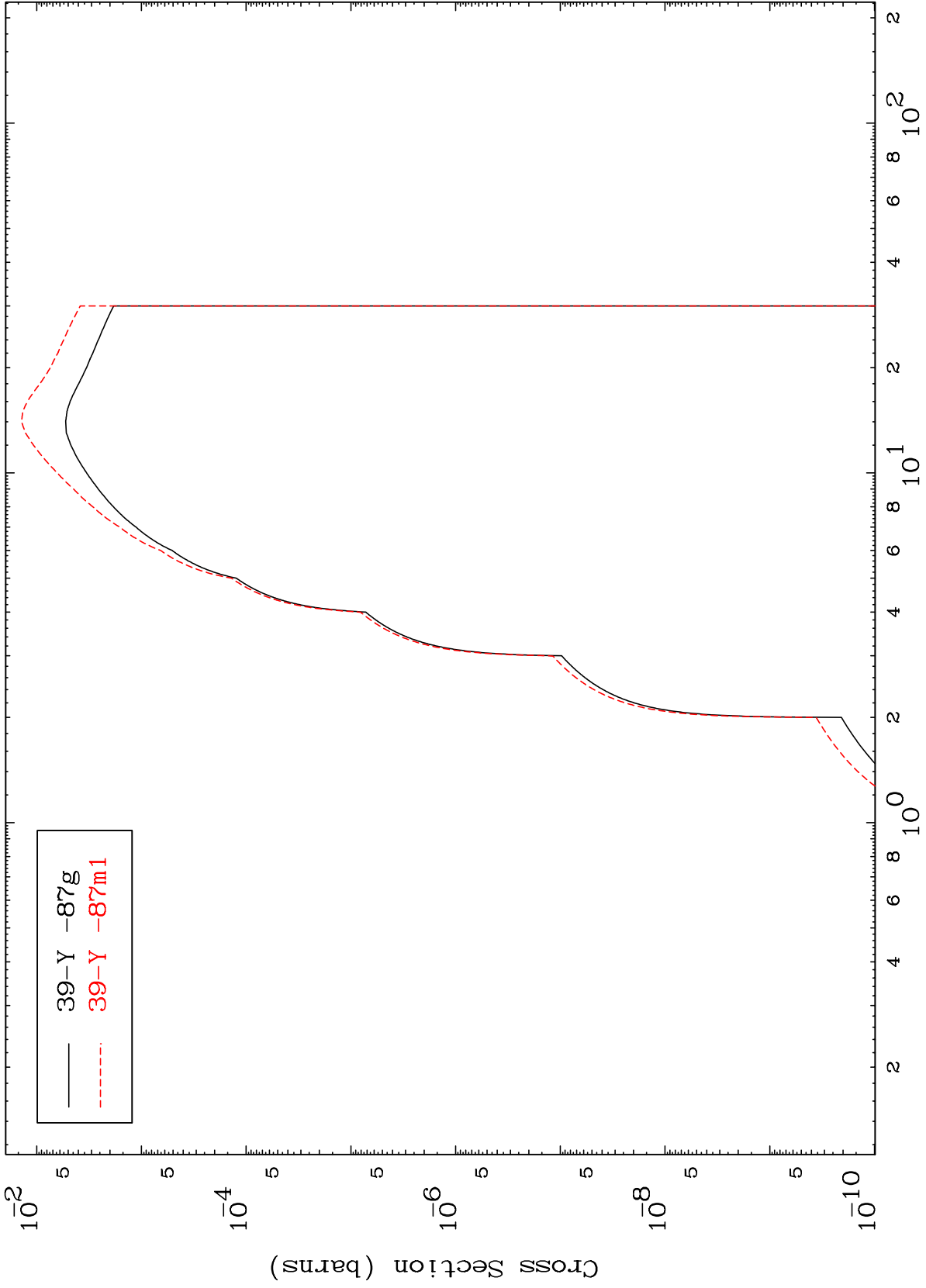
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

(n, α)
Radionuclide Production Cross Section



40-Zr-89

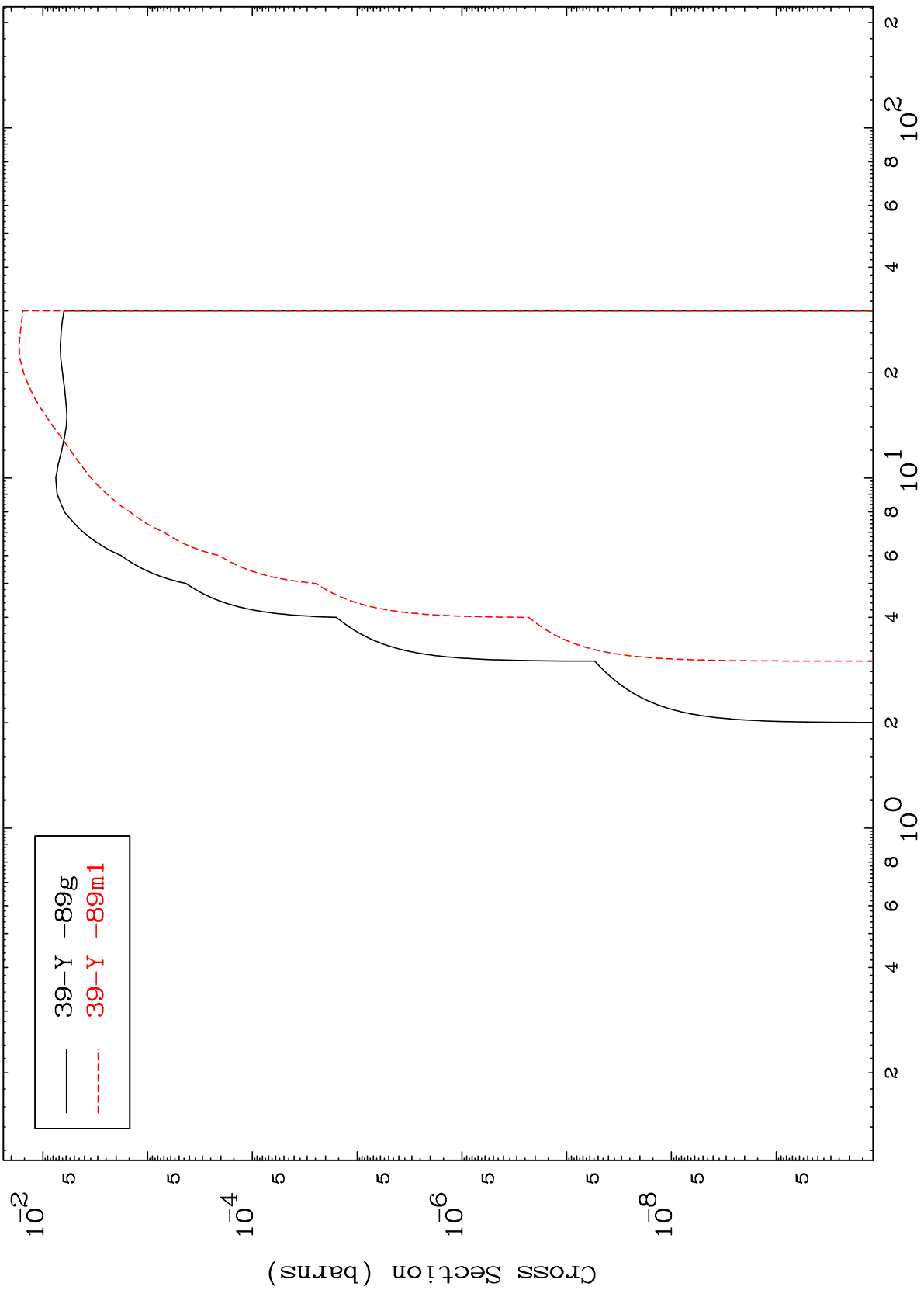
Incident Energy (MeV)

27

MAT 4022

40-Zr-89

Radionuclide Production Cross Section (n,2p)



40-Zr-89

Incident Energy (MeV)

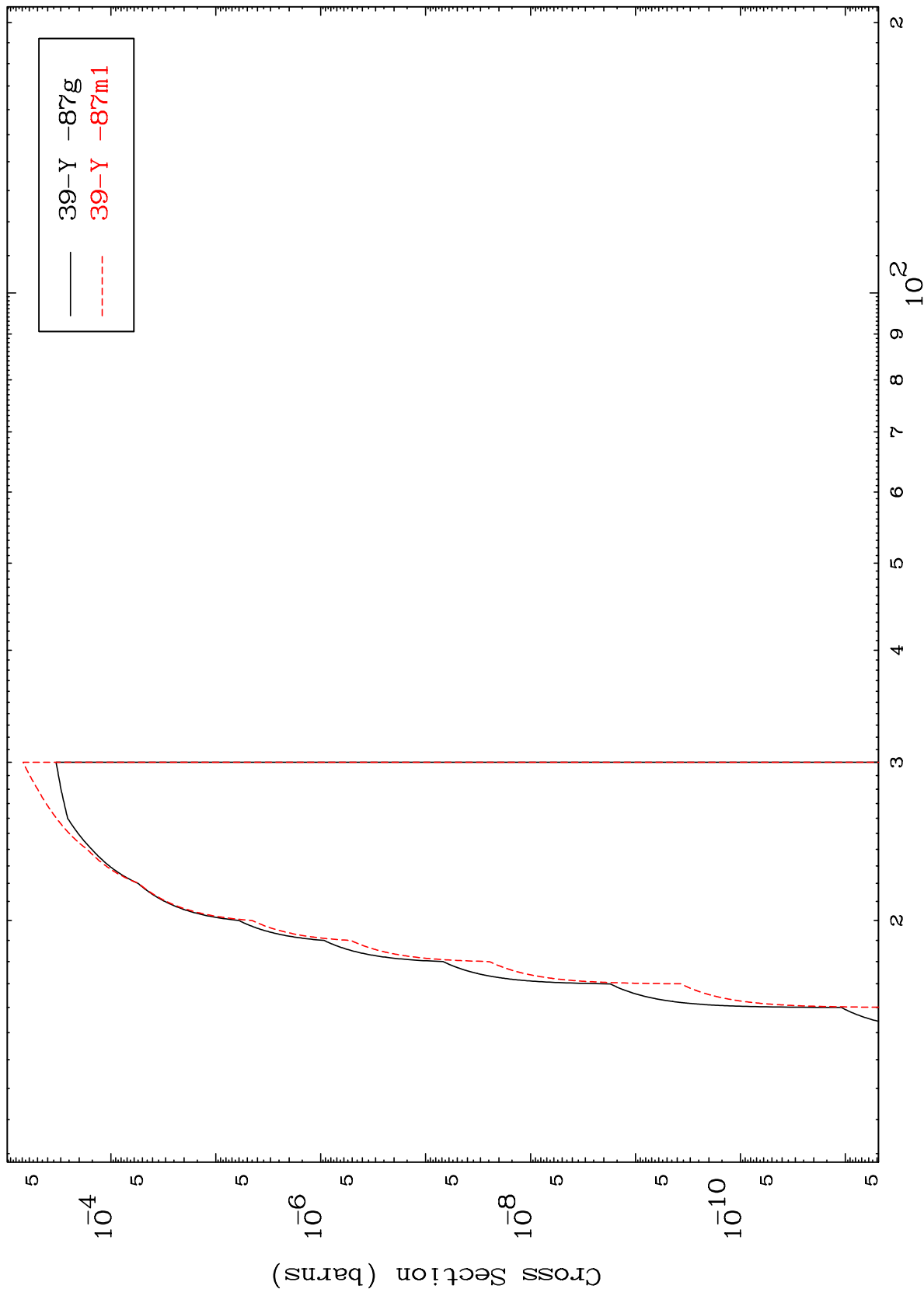
28

MAT 4022

(n,p) t

40-Zr-89

Radionuclide Production Cross Section



29

Incident Energy (MeV)

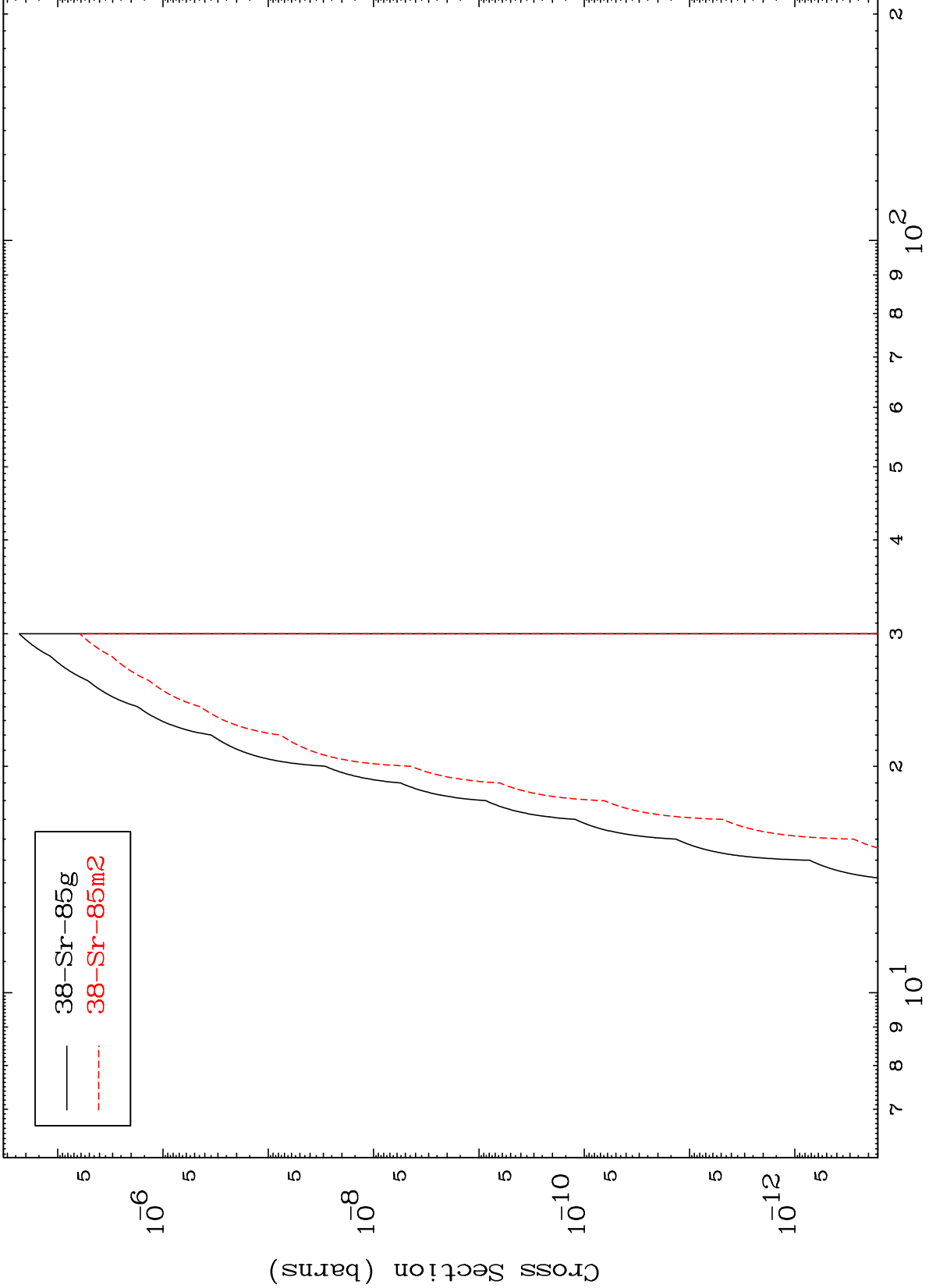
40-Zr-89

MAT 4022

(n,d) α

40-Zr-89

Radionuclide Production Cross Section



30

Incident Energy (MeV)

40-Zr-89