

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

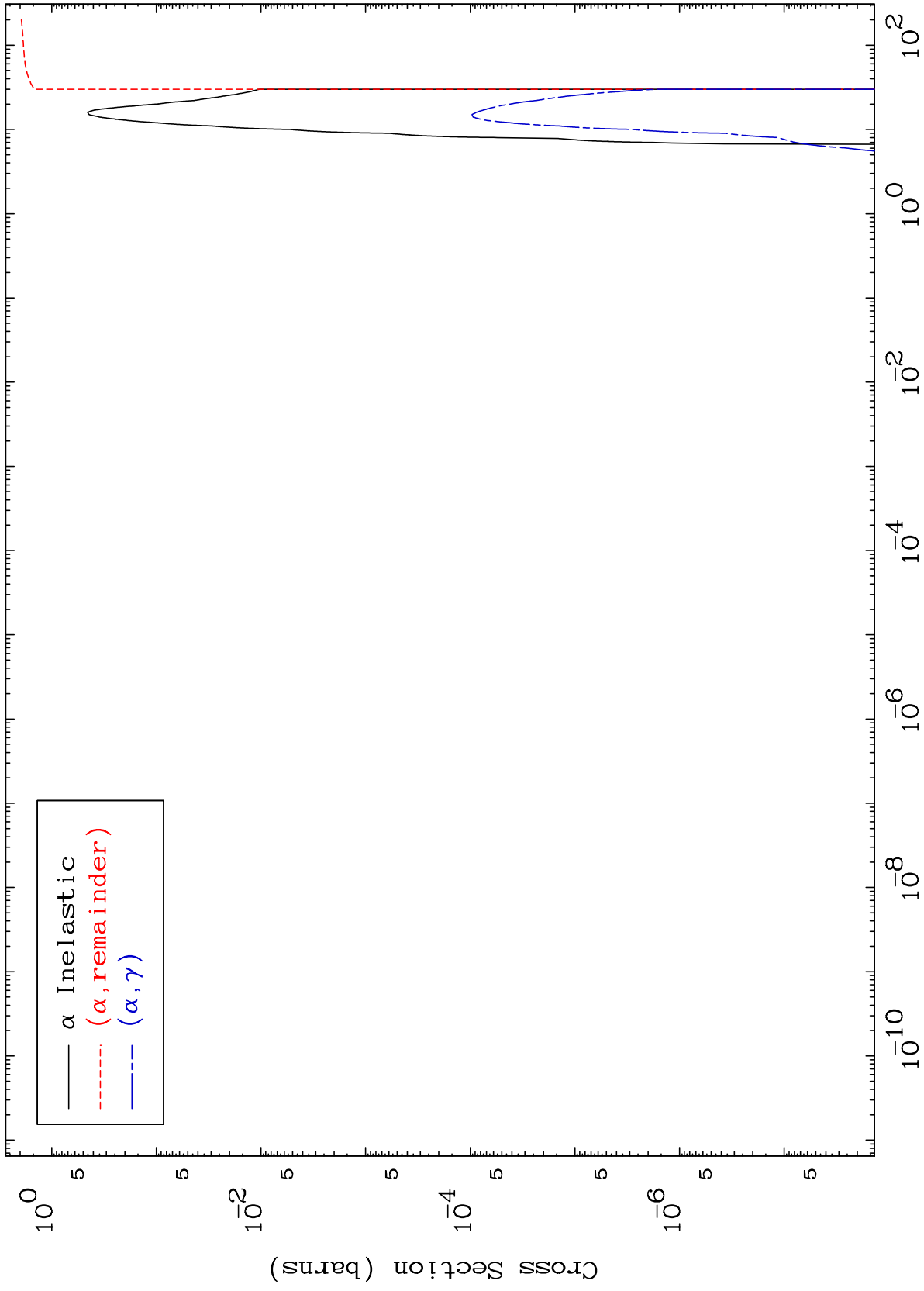
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4031

0 Kelvin α Major
Cross Sections

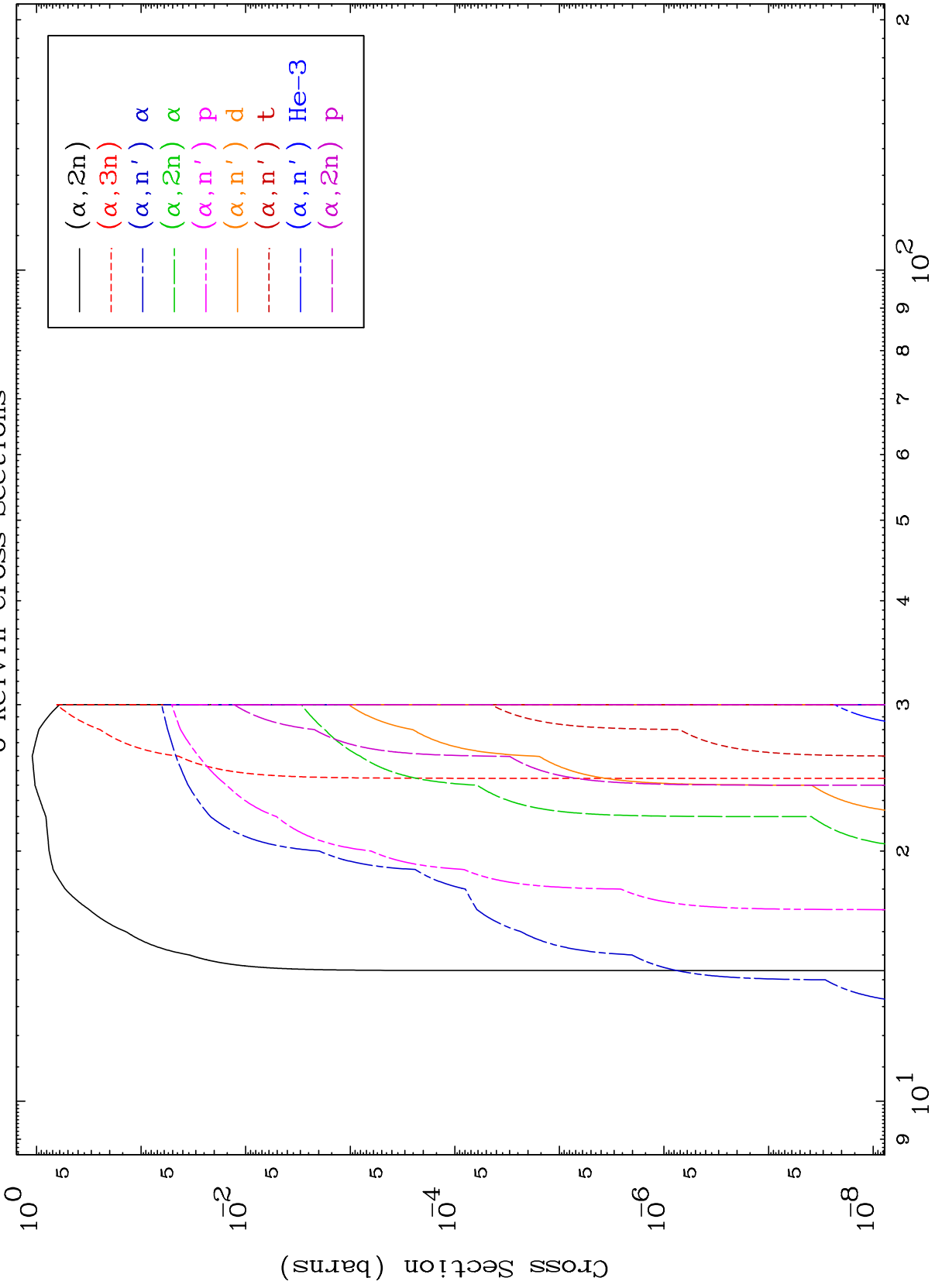
40-Zr-92



MAT 4031

α Neutron Production
0 Kelvin Cross Sections

40-Zr-92



2

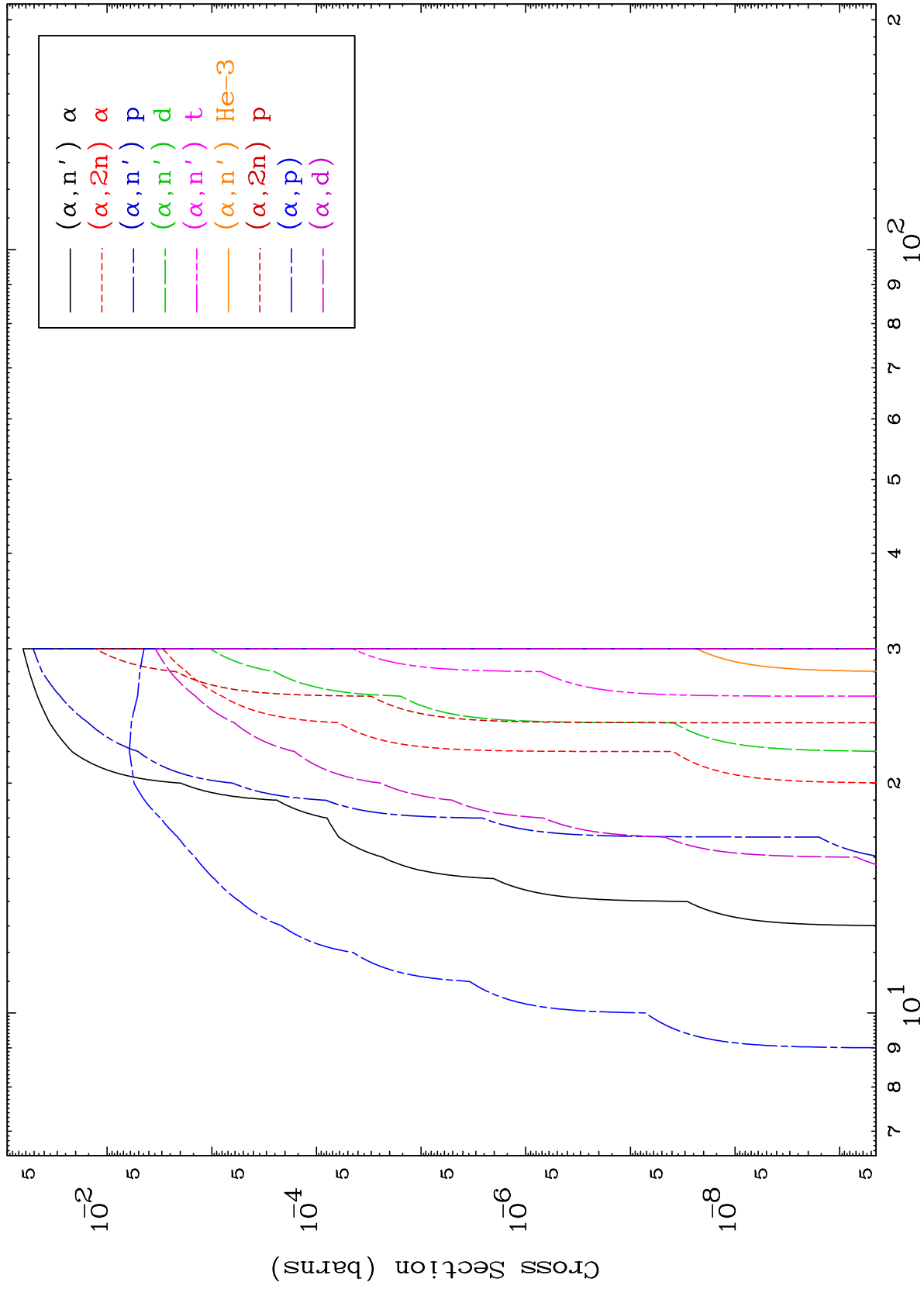
Incident Energy (MeV)

40-Zr-92

MAT 4031

α Charged Particle
0 Kelvin Cross Sections

40-Zr-92



3

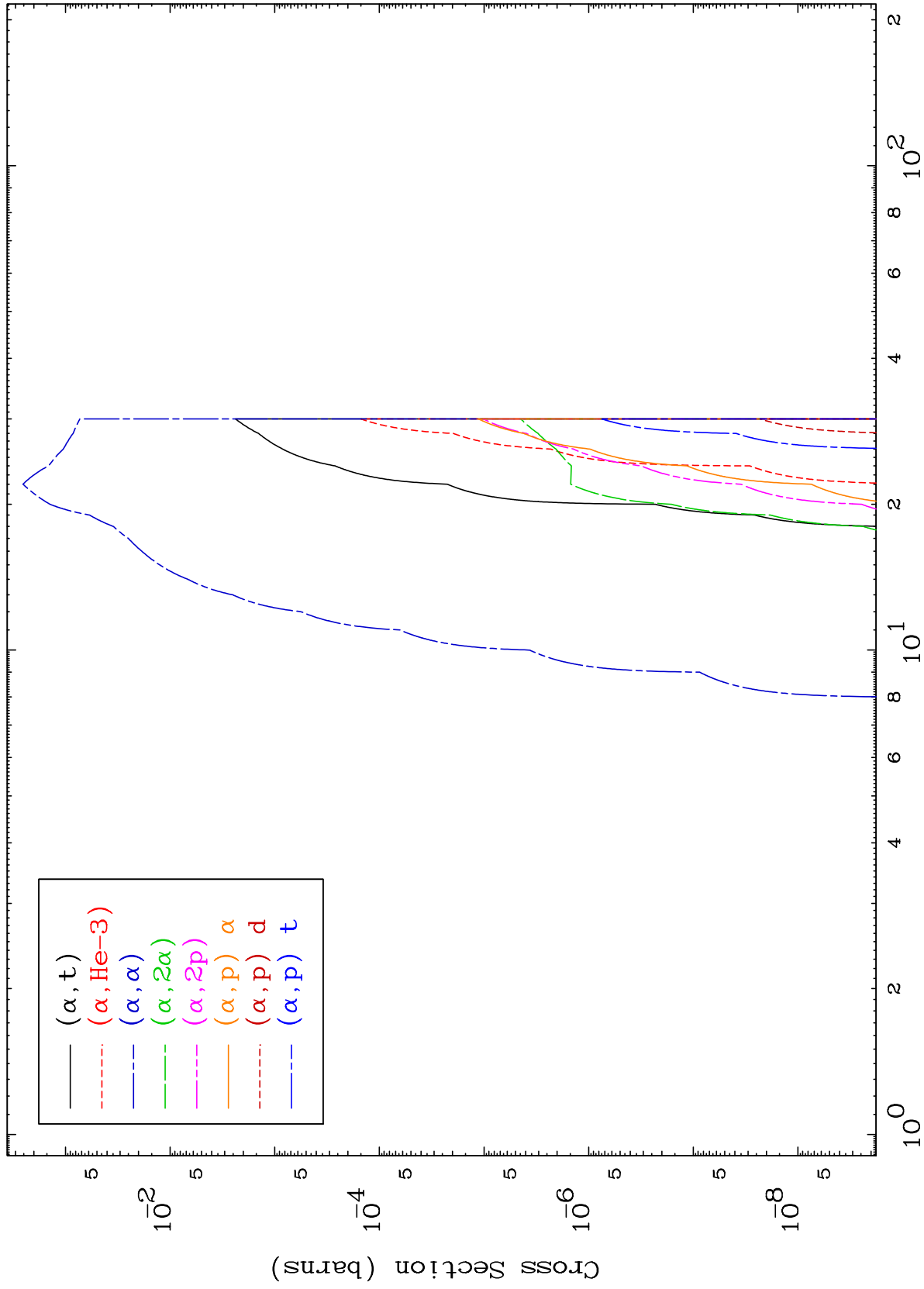
Incident Energy (MeV)

40-Zr-92

MAT 4031

α Charged Particle
0 Kelvin Cross Sections

40-Zr-92



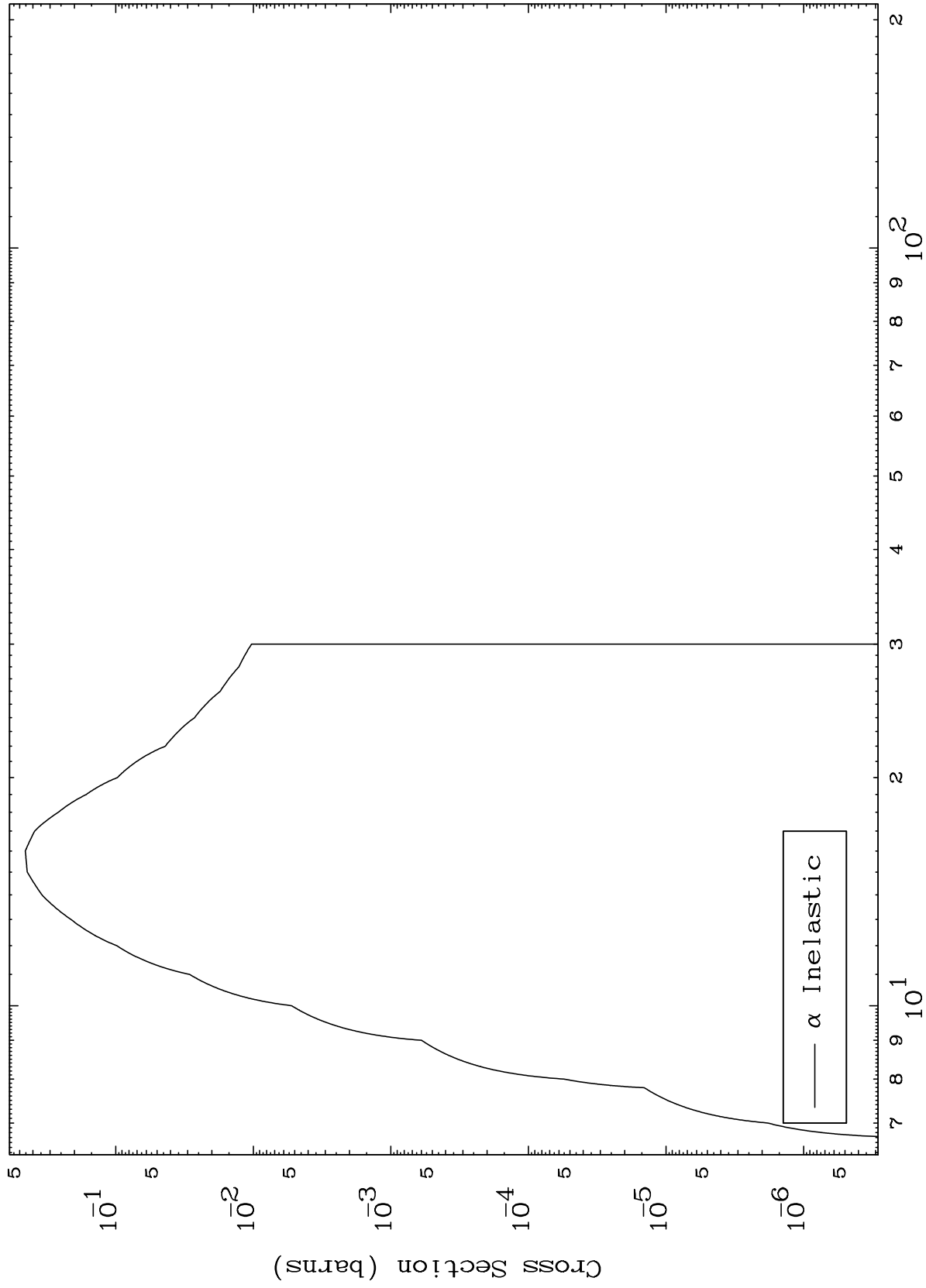
Incident Energy (MeV)

40-Zr-92

MAT 4031

(α, n') Level
0 Kelvin Cross Sections

40-Zr-92



5

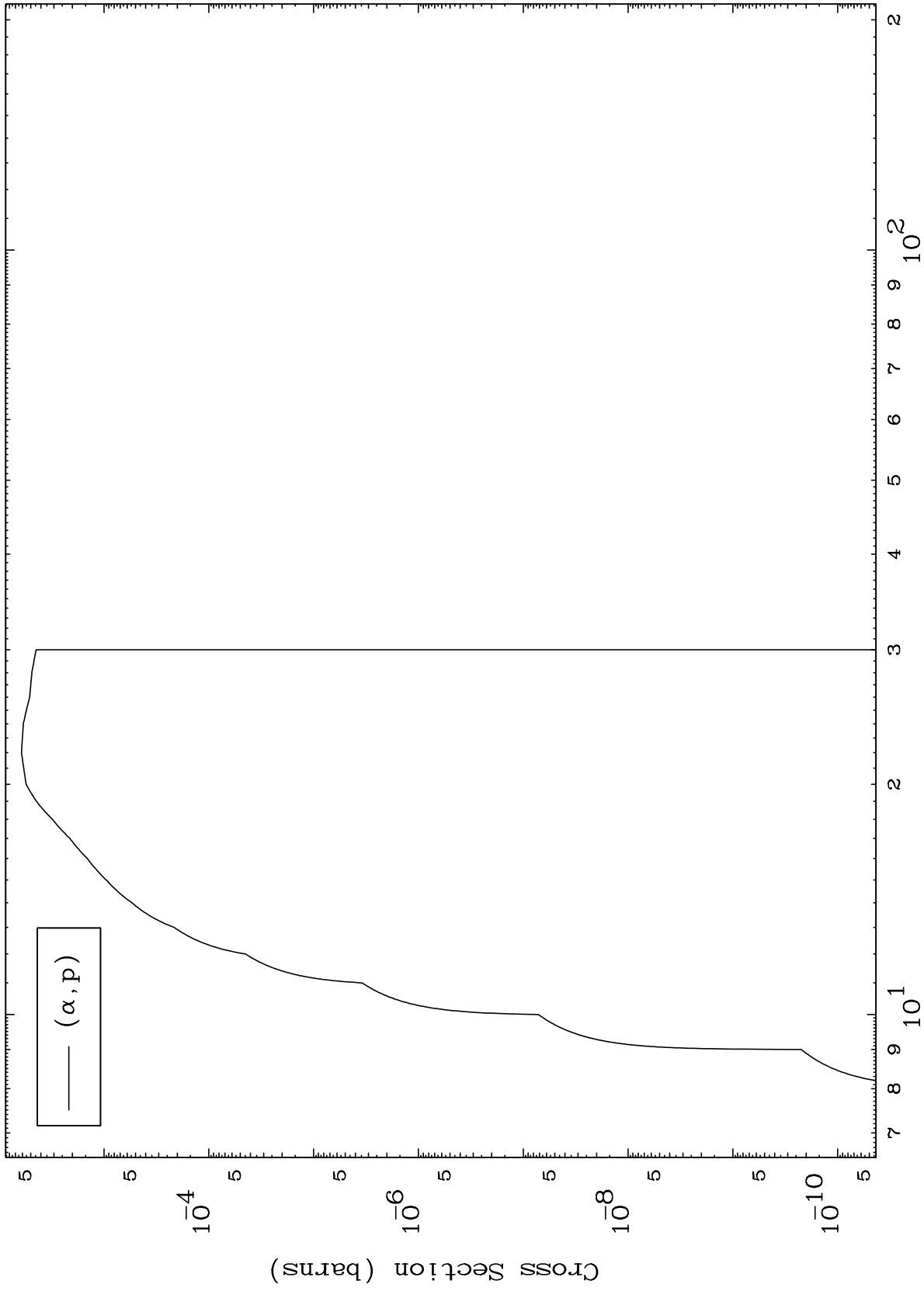
Incident Energy (MeV)

40-Zr-92

MAT 4031

(α, p) Levels
0 Kelvin Cross Sections

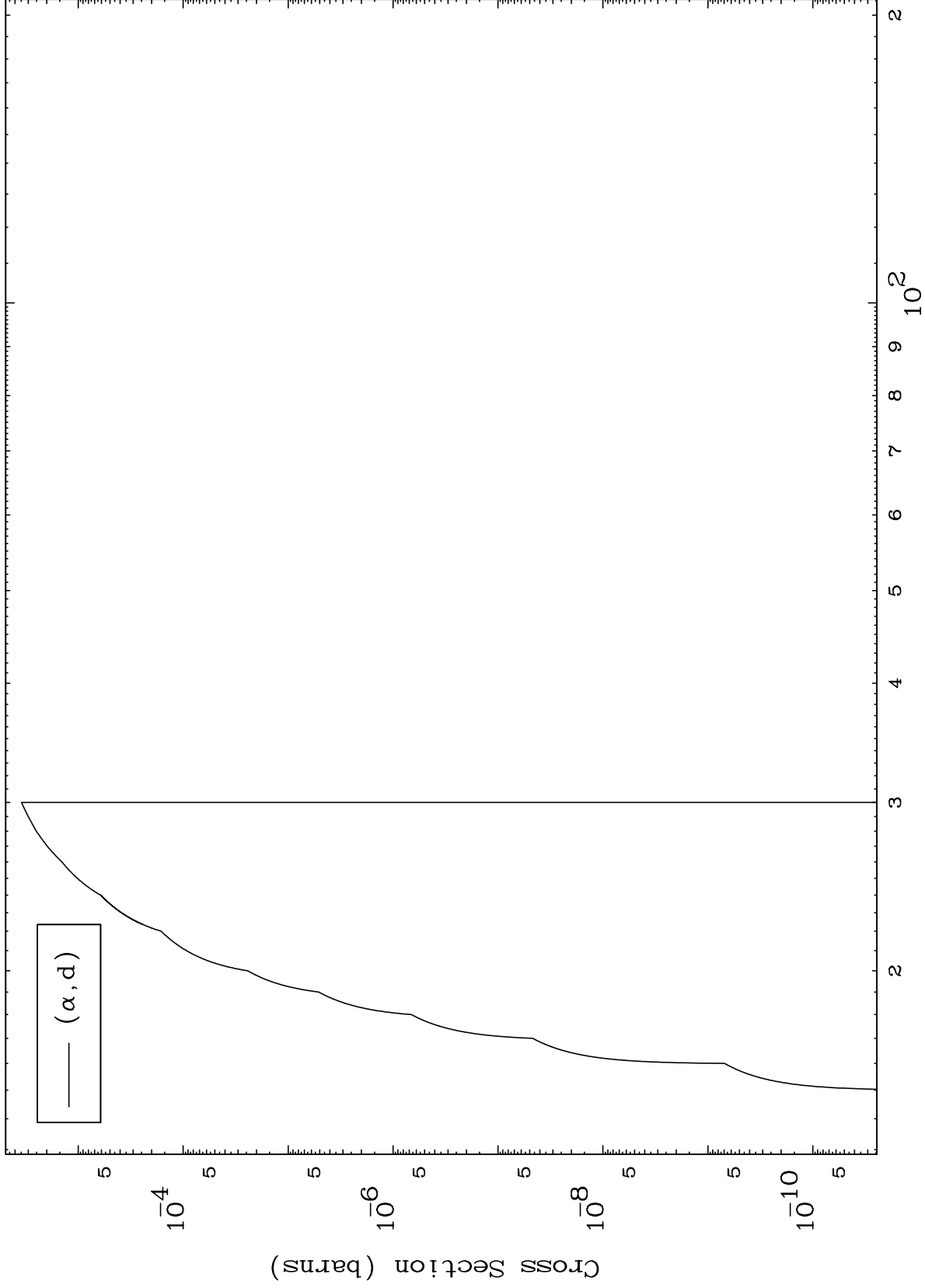
40-Zr-92



MAT 4031

(α, d) Levels
0 Kelvin Cross Sections

40-Zr-92



7

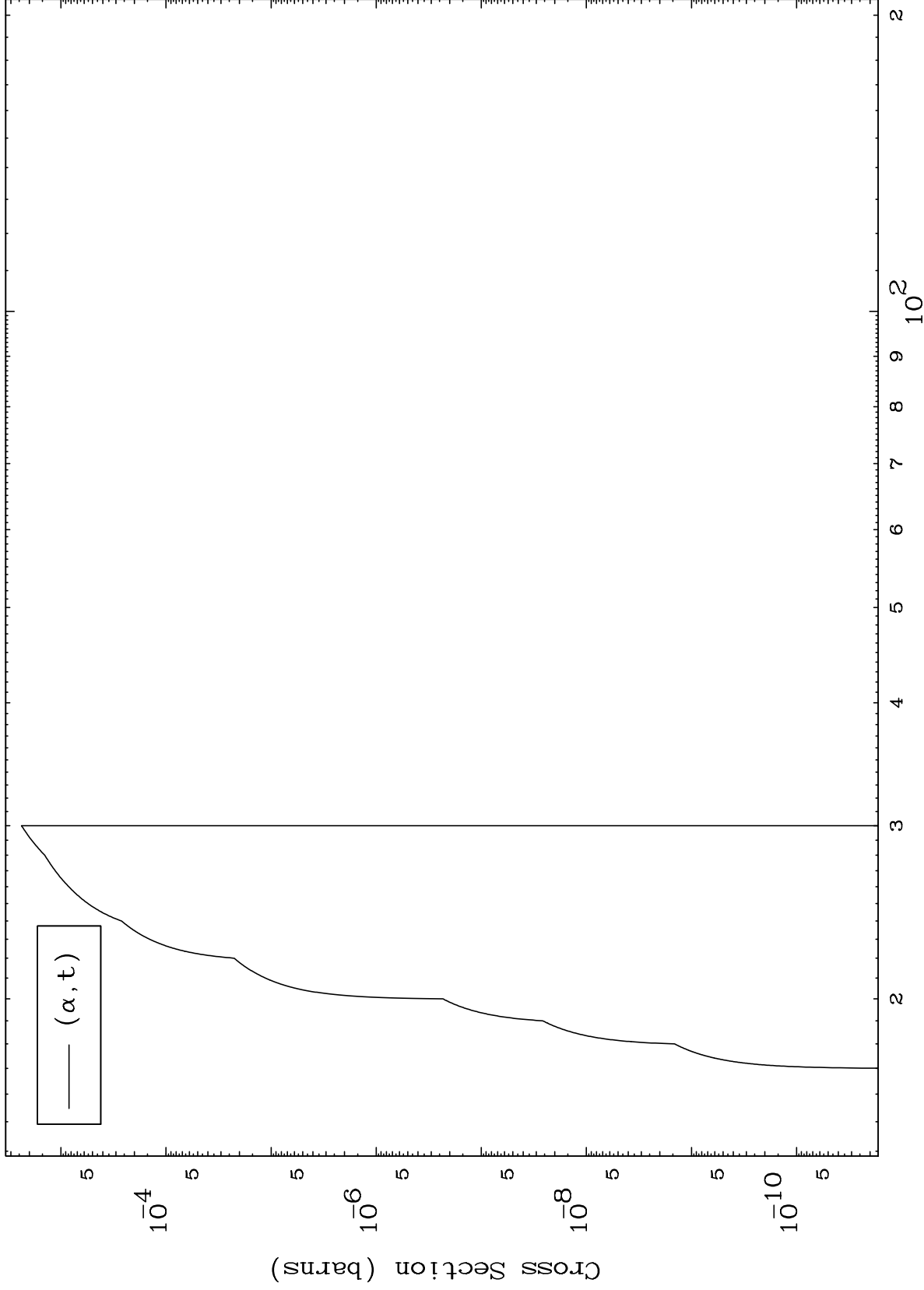
Incident Energy (MeV)

40-Zr-92

MAT 4031

(α, t) Levels
0 Kelvin Cross Sections

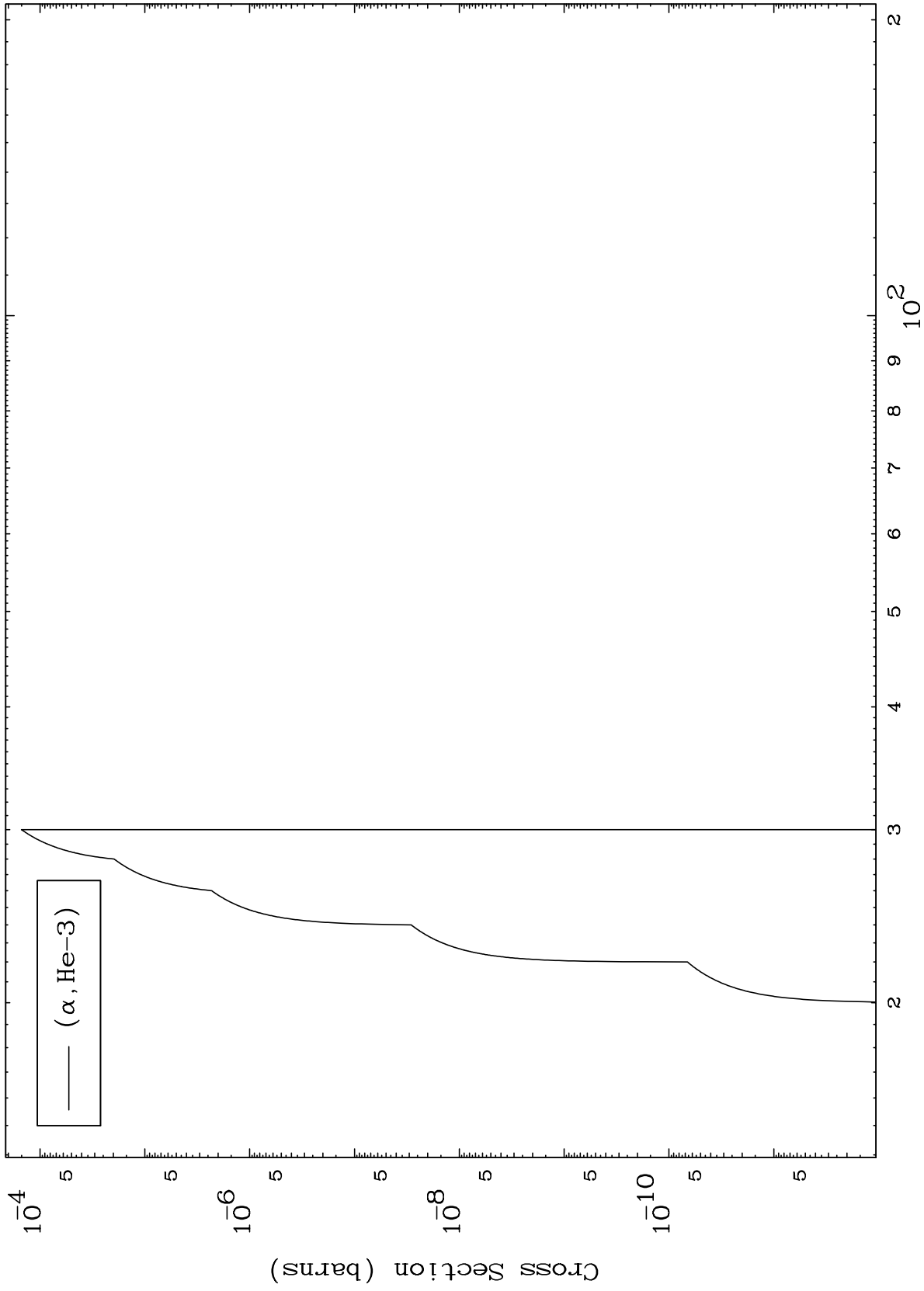
40-Zr-92



MAT 4031

(α ,He3) Levels
0 Kelvin Cross Sections

40-Zr-92



9

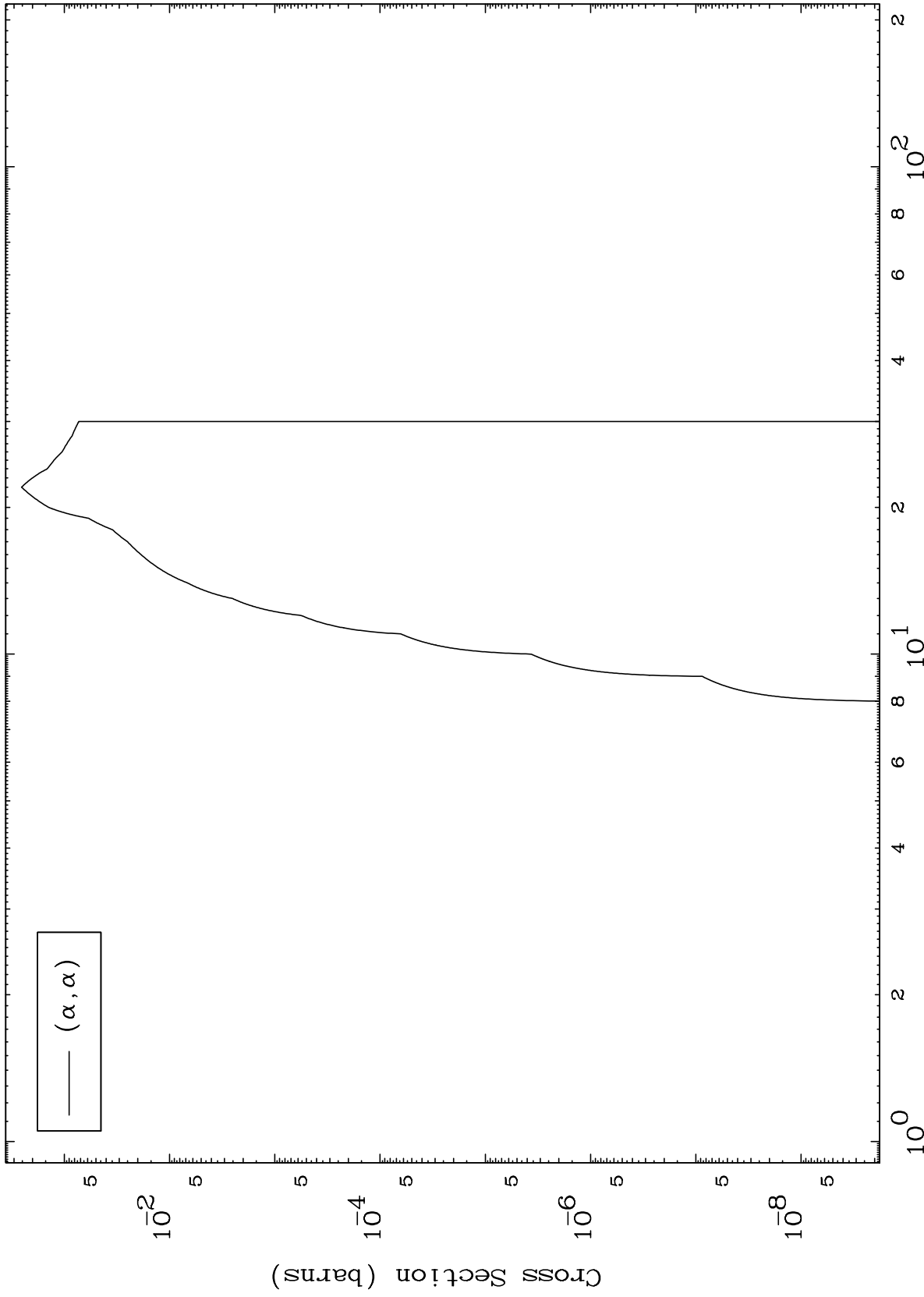
Incident Energy (MeV)

40-Zr-92

MAT 4031

(α, α) Levels
0 Kelvin Cross Sections

40-Zr-92



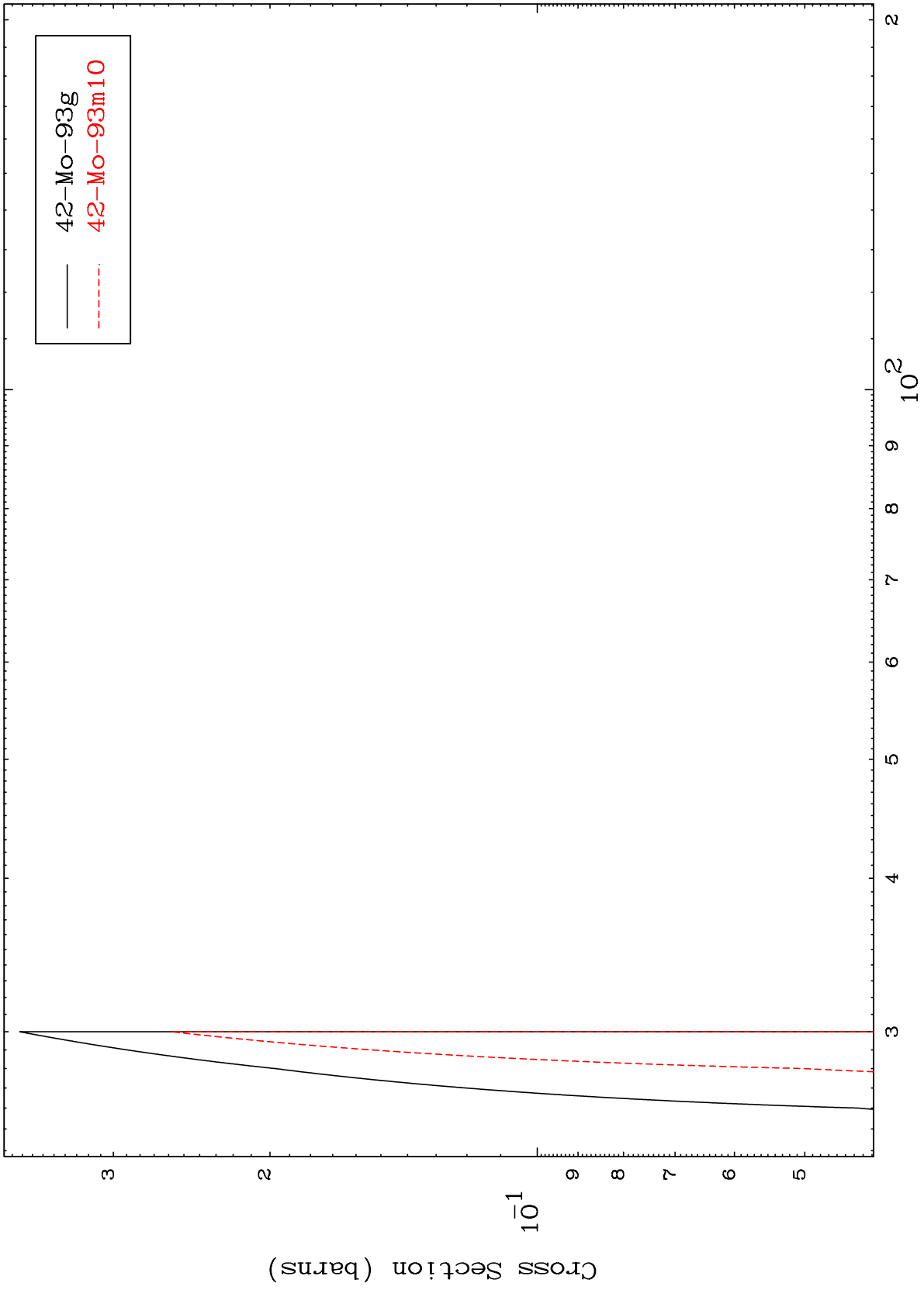
Incident Energy (MeV)

40-Zr-92

MAT 4031

40-Zr-92

($\alpha, 3n$)
Radionuclide Production Cross Section



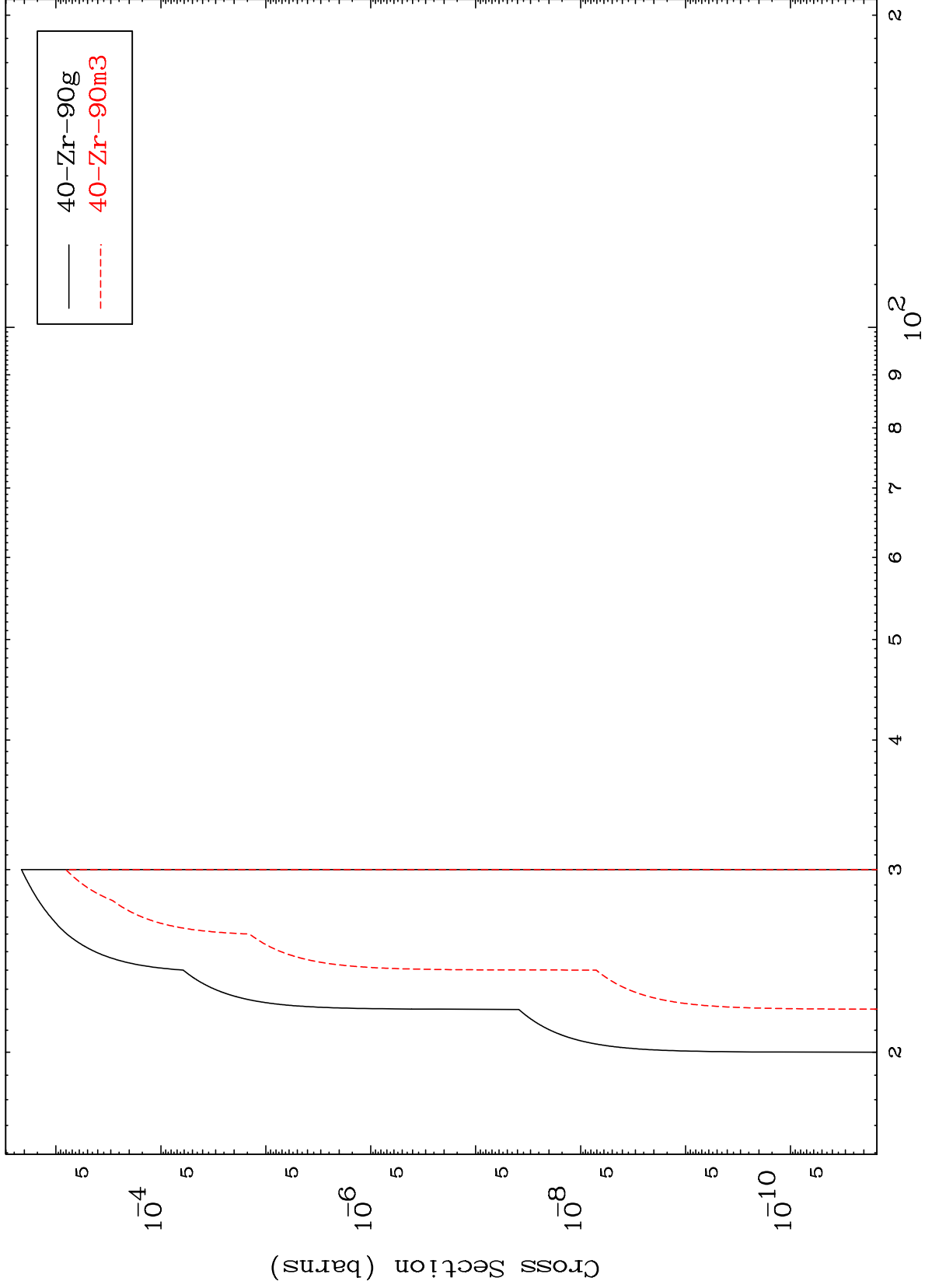
42-Mo-93g
42-Mo-93m10

MAT 4031

$(\alpha, 2n) \alpha$

40-Zr-92

Radionuclide Production Cross Section



12

Incident Energy (MeV)

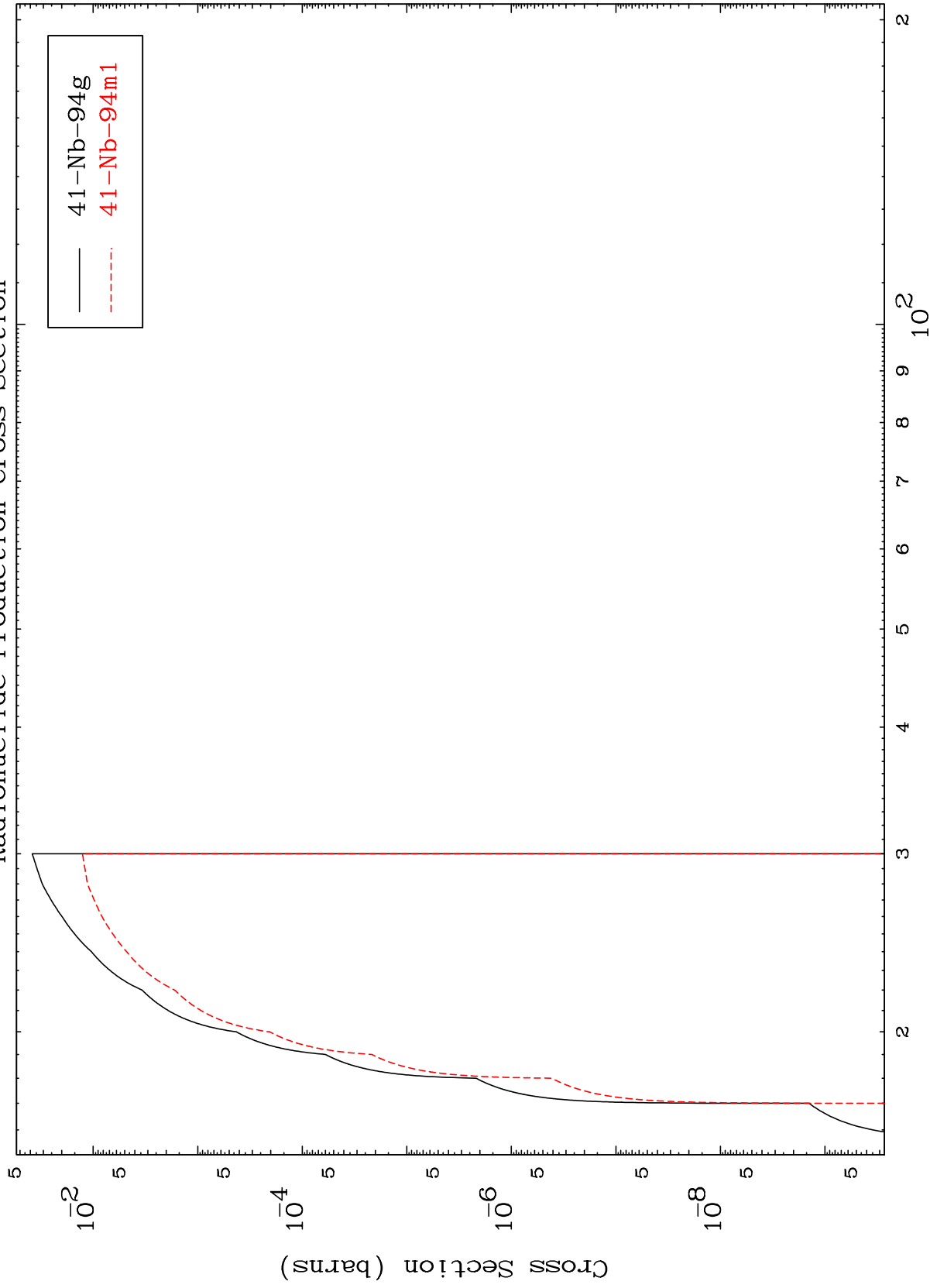
40-Zr-92

MAT 4031

(α, n') p

40-Zr-92

Radionuclide Production Cross Section



13

Incident Energy (MeV)

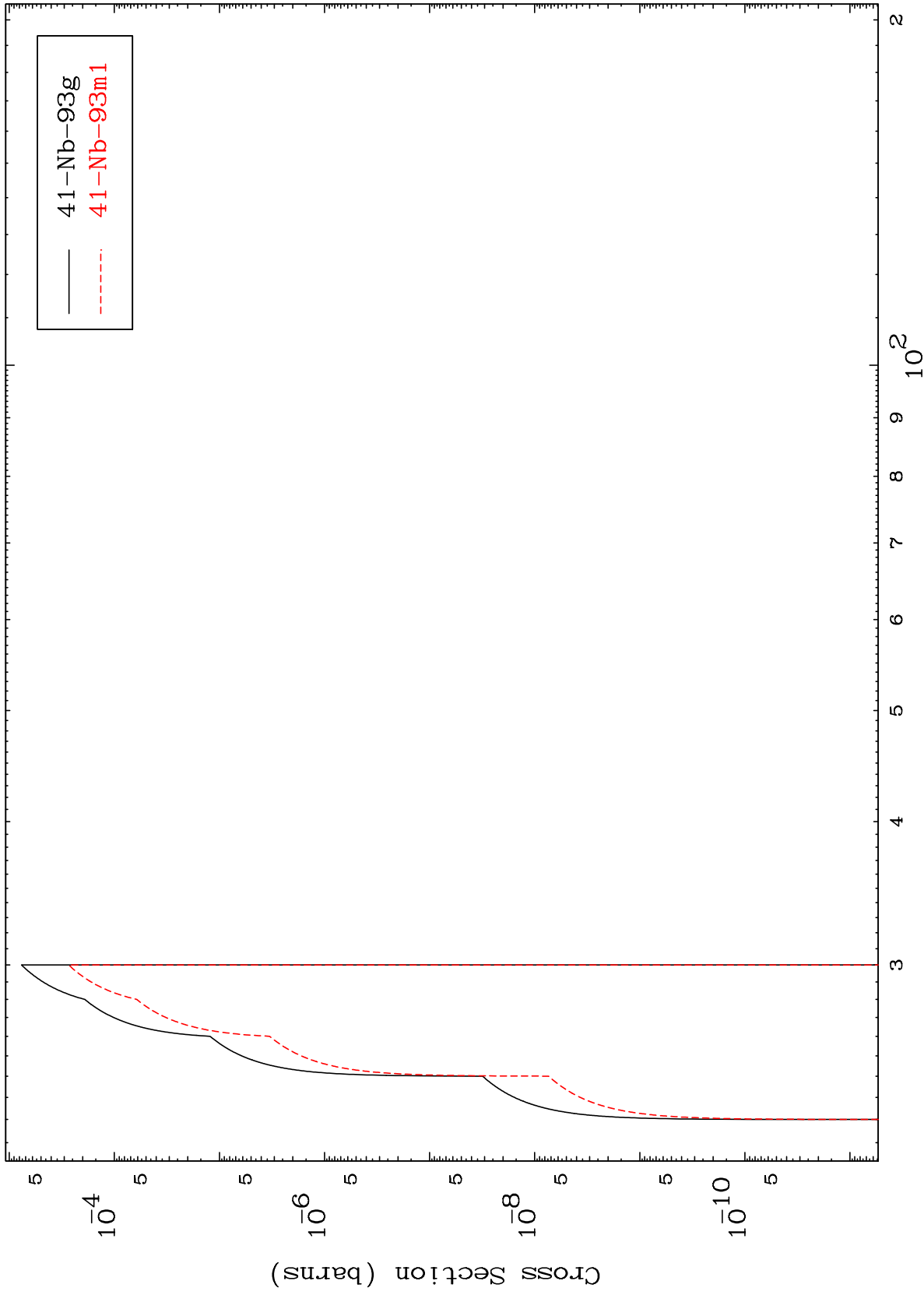
40-Zr-92

MAT 4031

(α, n') d

40-Zr-92

Radionuclide Production Cross Section



14

Incident Energy (MeV)

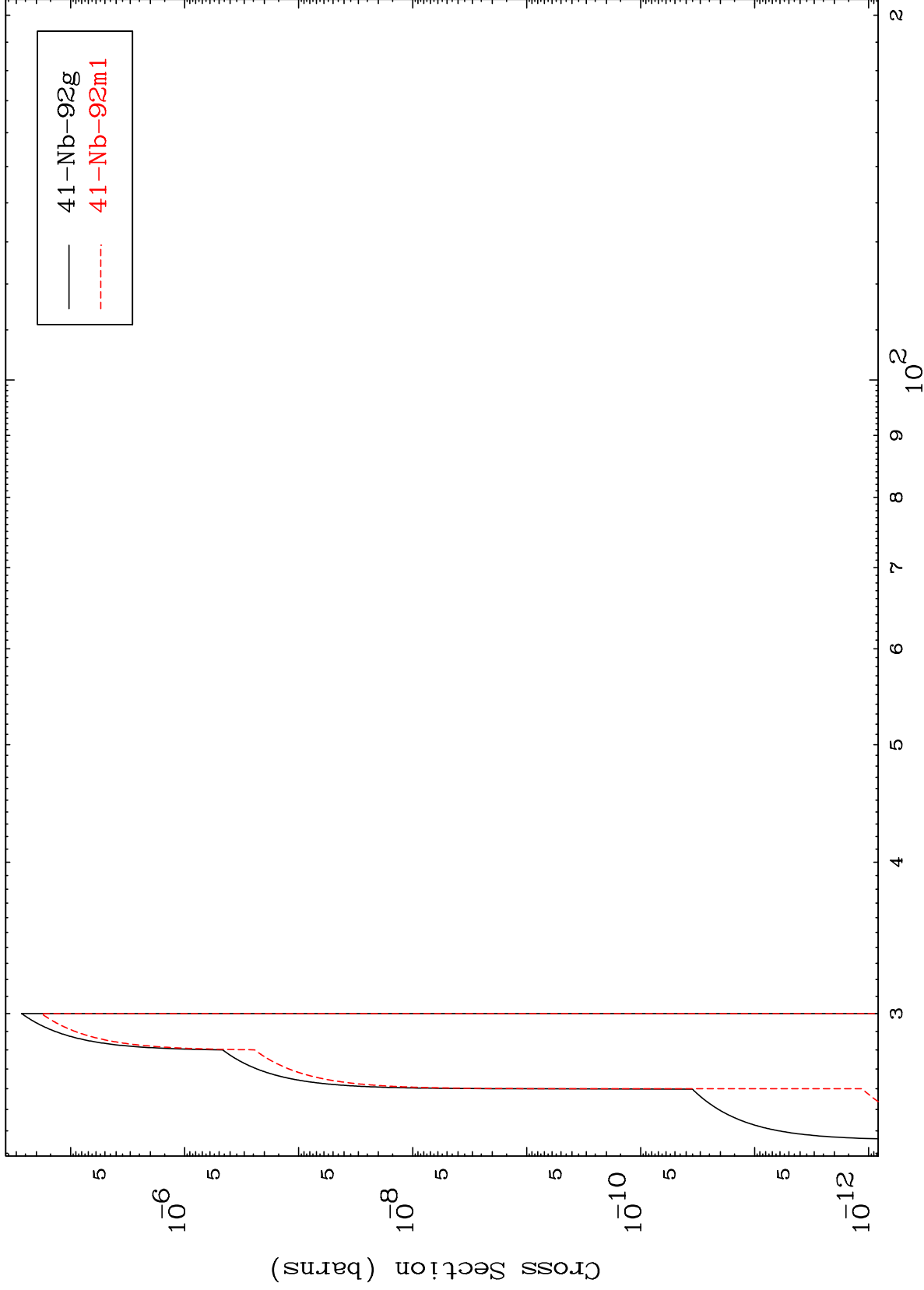
40-Zr-92

MAT 4031

(α, n') t

40-Zr-92

Radionuclide Production Cross Section



15

Incident Energy (MeV)

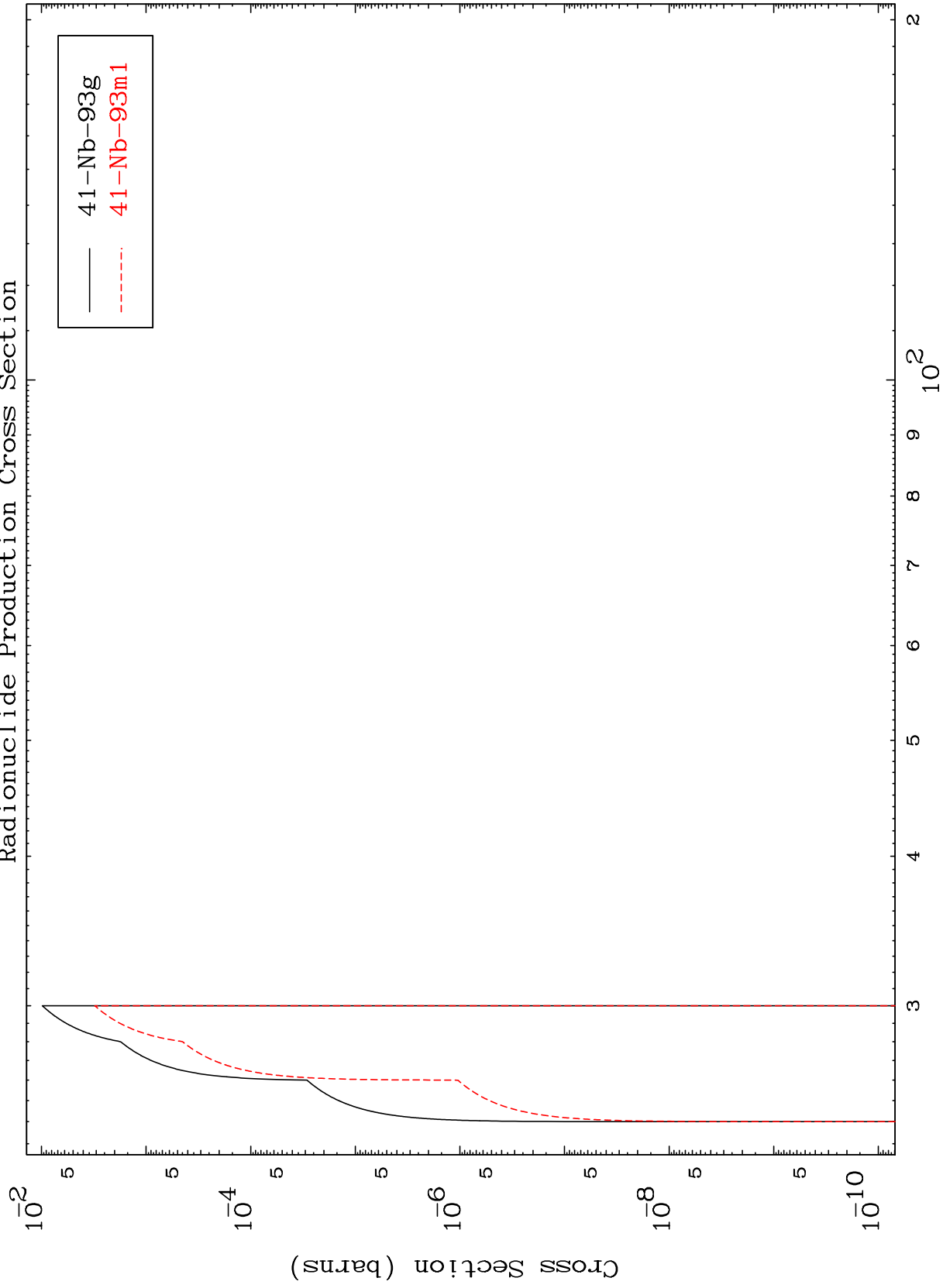
40-Zr-92

MAT 4031

($\alpha, 2n$) p

40-Zr-92

Radionuclide Production Cross Section



16

Incident Energy (MeV)

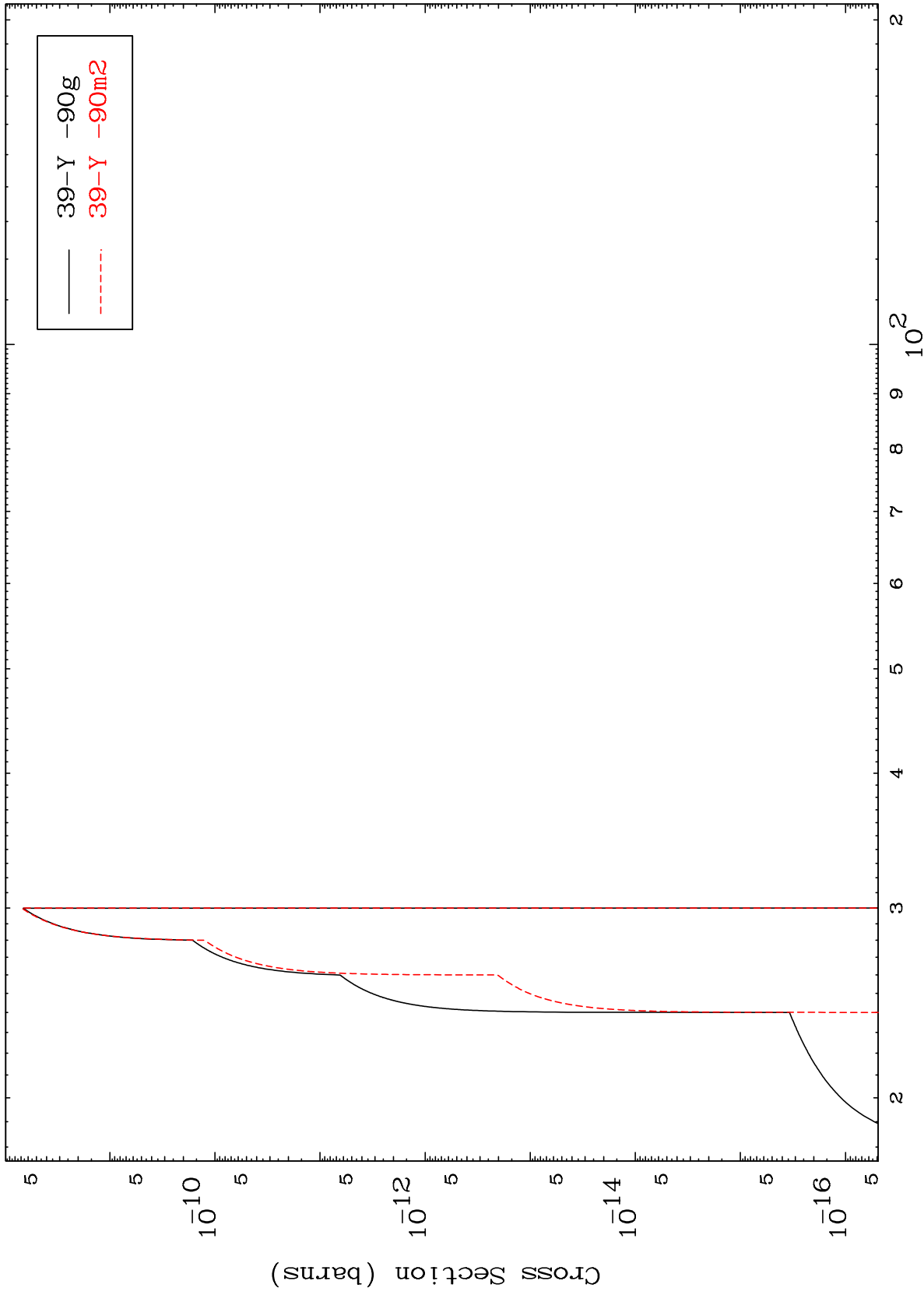
40-Zr-92

MAT 4031

(α, n') p α

40-Zr-92

Radionuclide Production Cross Section



17

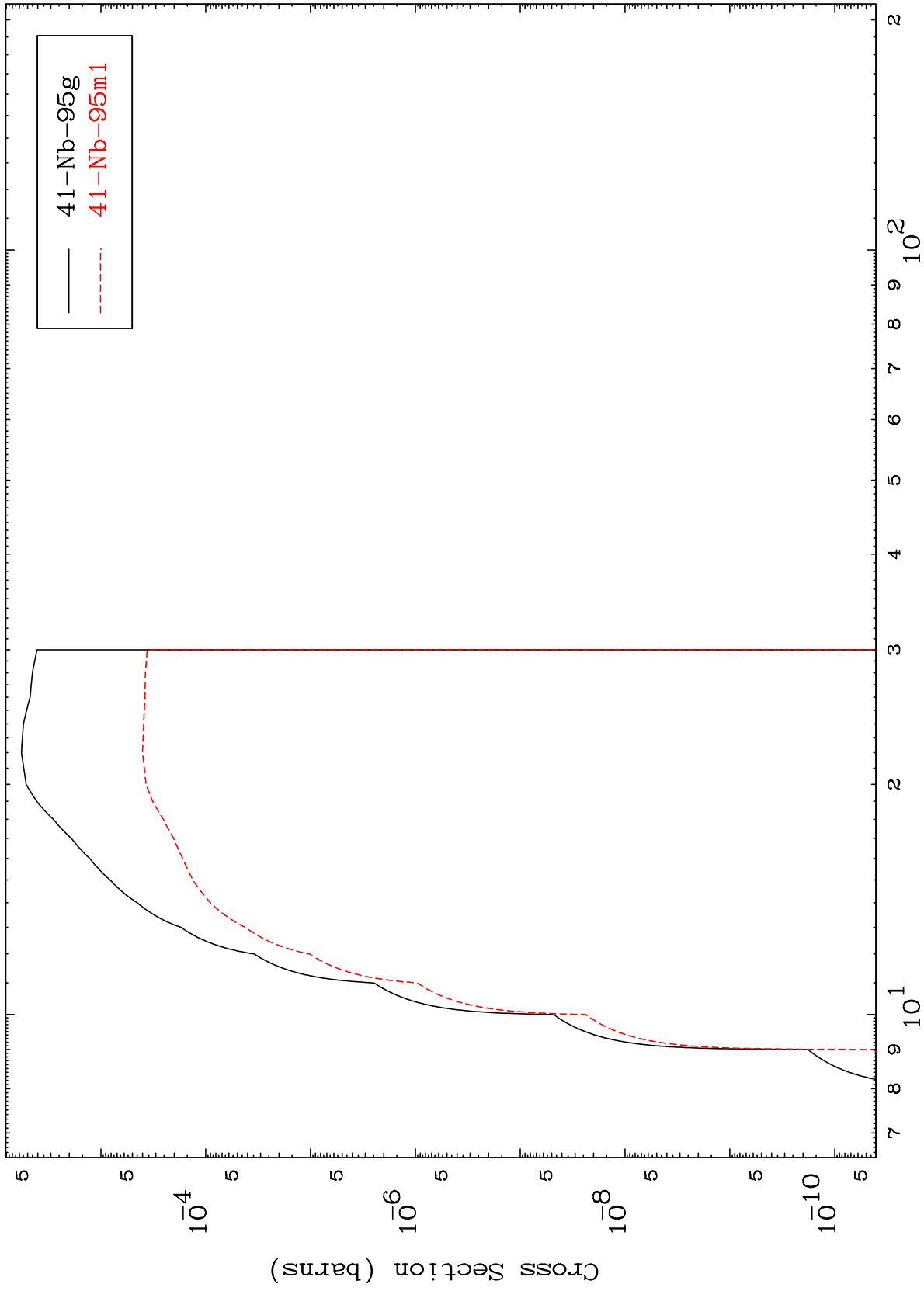
Incident Energy (MeV)

40-Zr-92

MAT 4031

40-Zr-92

(α, p)
Radionuclide Production Cross Section



18

Incident Energy (MeV)

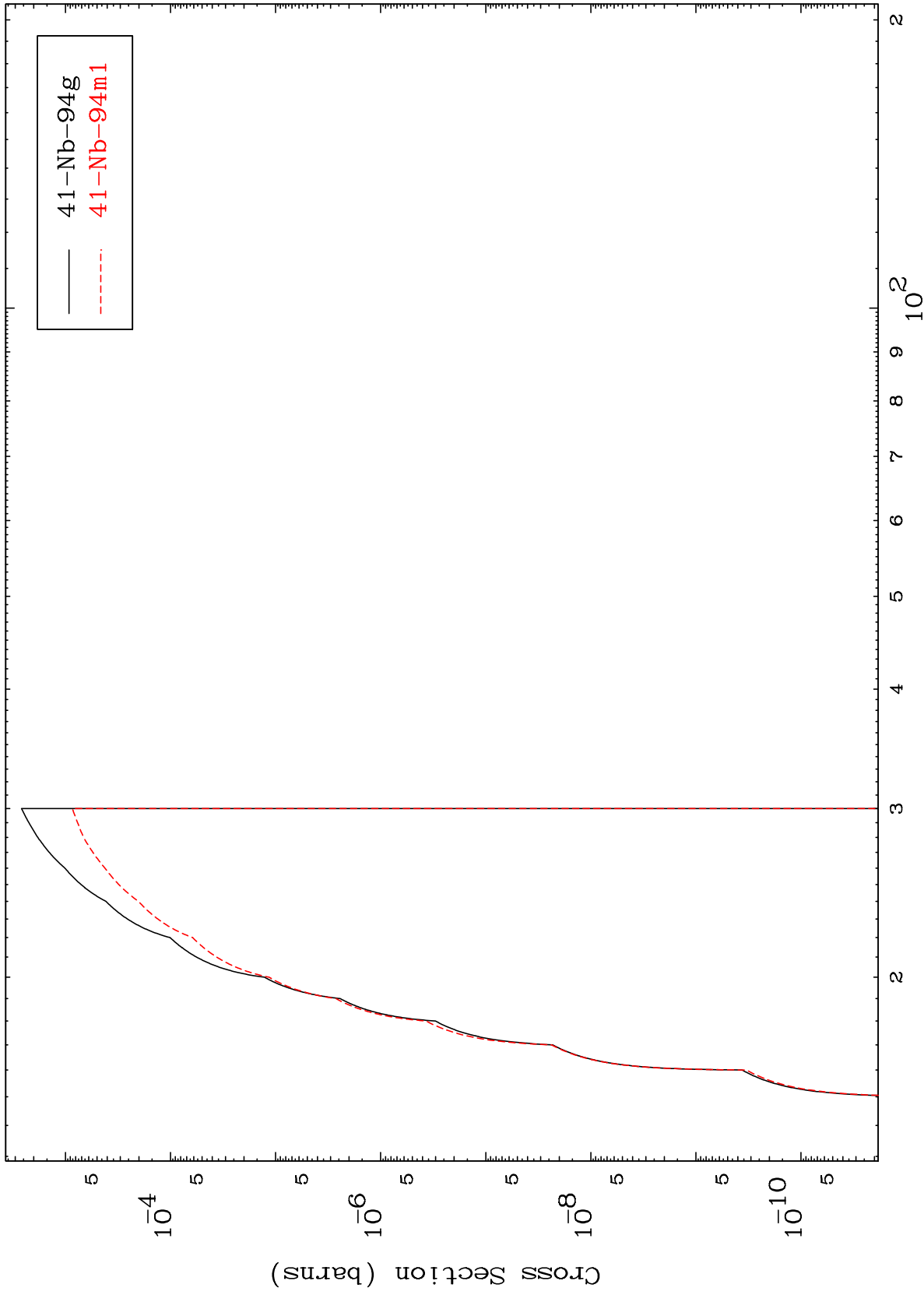
40-Zr-92

MAT 4031

(α, d)

40-Zr-92

Radionuclide Production Cross Section



19

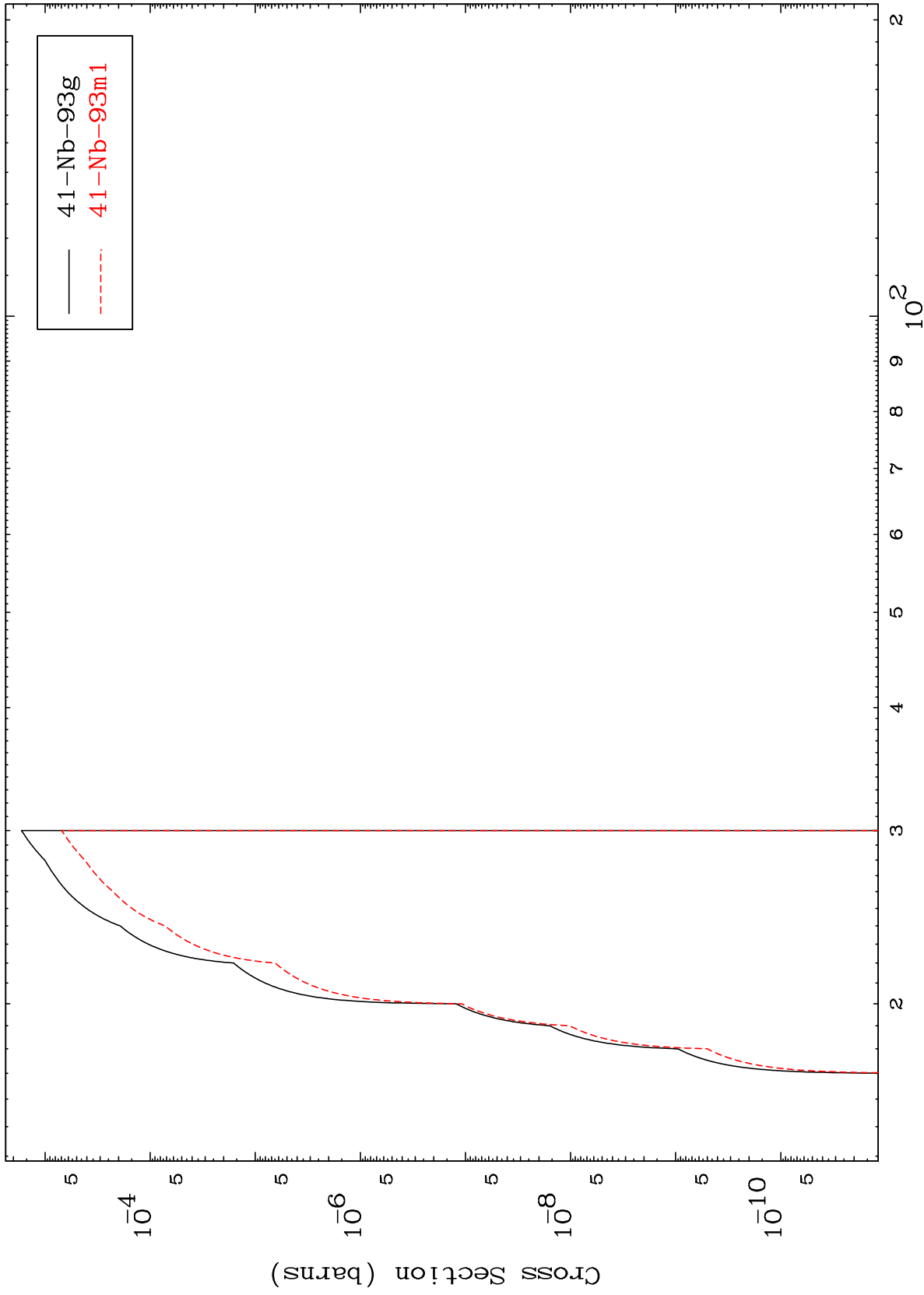
Incident Energy (MeV)

40-Zr-92

MAT 4031

40-Zr-92

(α, t)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

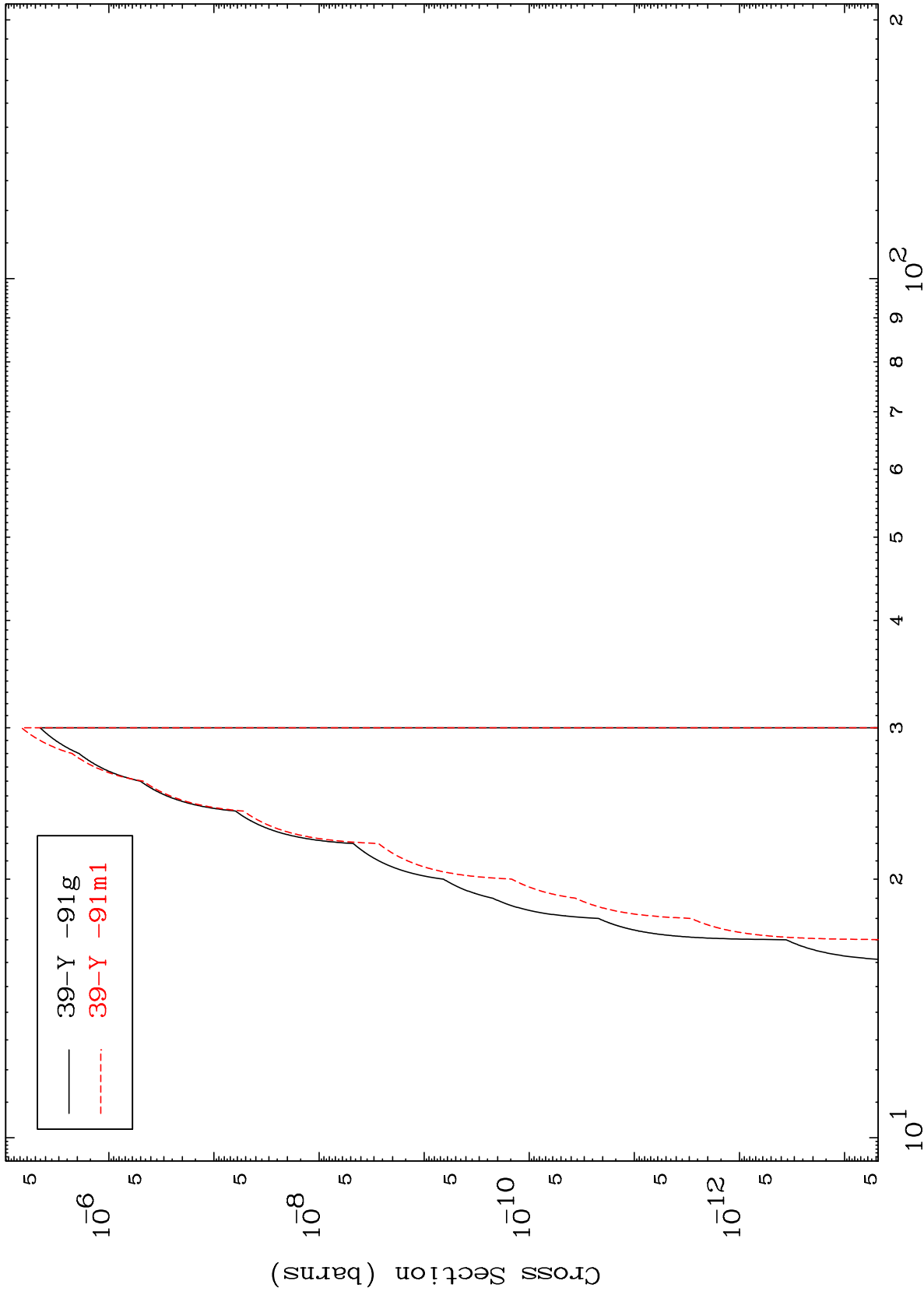
40-Zr-92

MAT 4031

(α, p) α

40-Zr-92

Radionuclide Production Cross Section



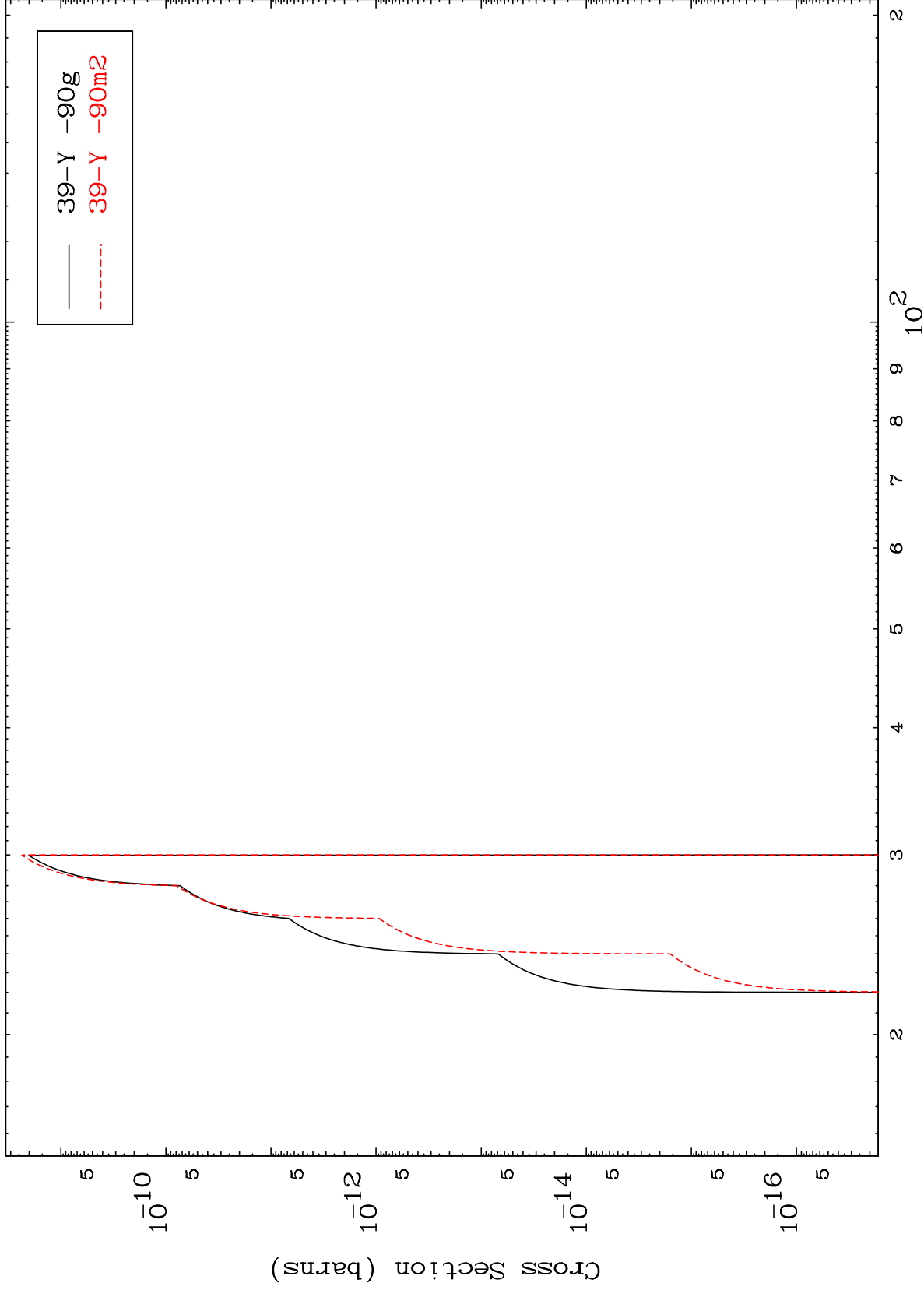
39-Y -91g
39-Y -91m1

MAT 4031

(α, d) α

40-Zr-92

Radionuclide Production Cross Section



22

Incident Energy (MeV)

40-Zr-92