

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

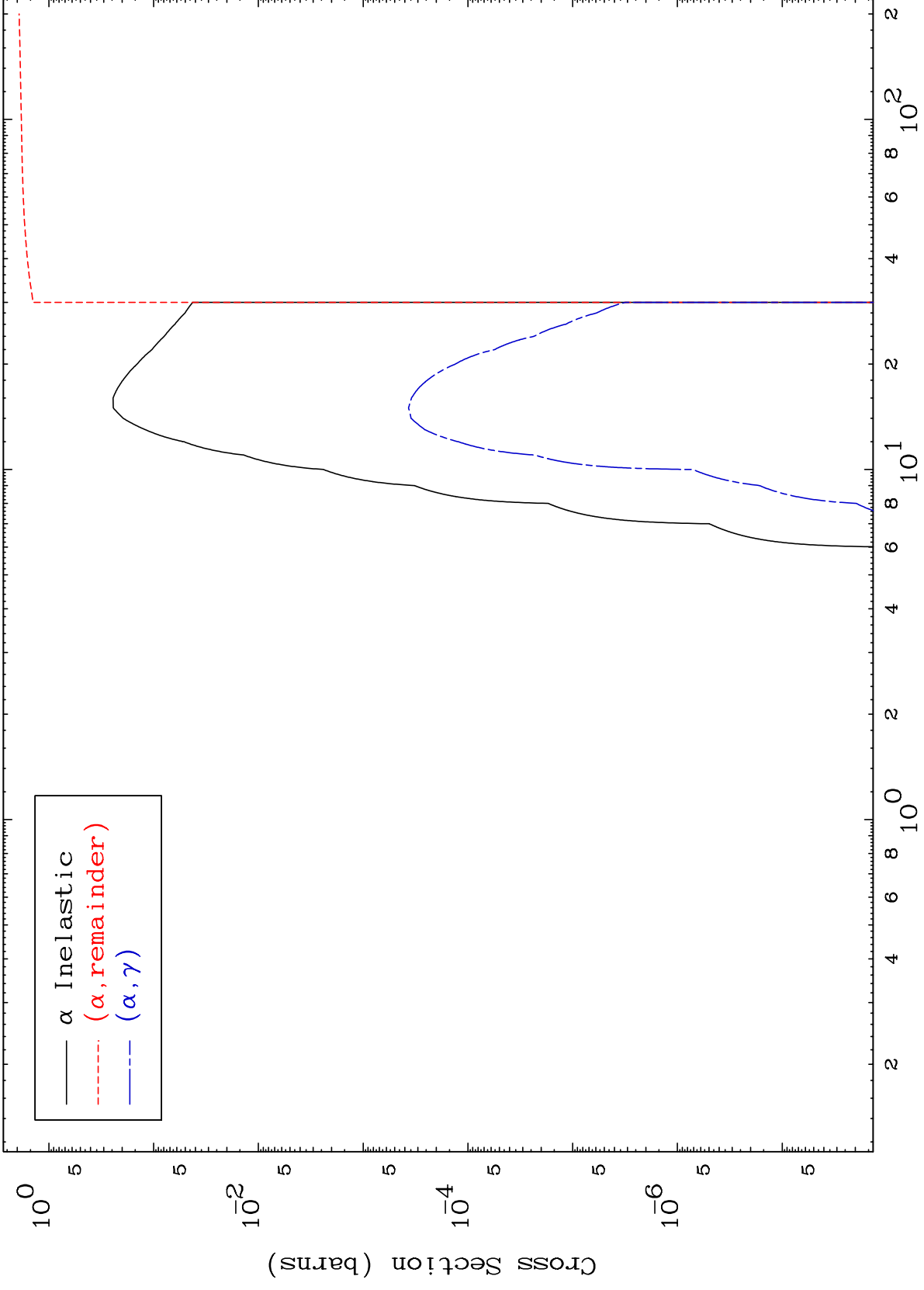
Press Mouse Button to Start

MAT 4117

α Major

41-Nb-90

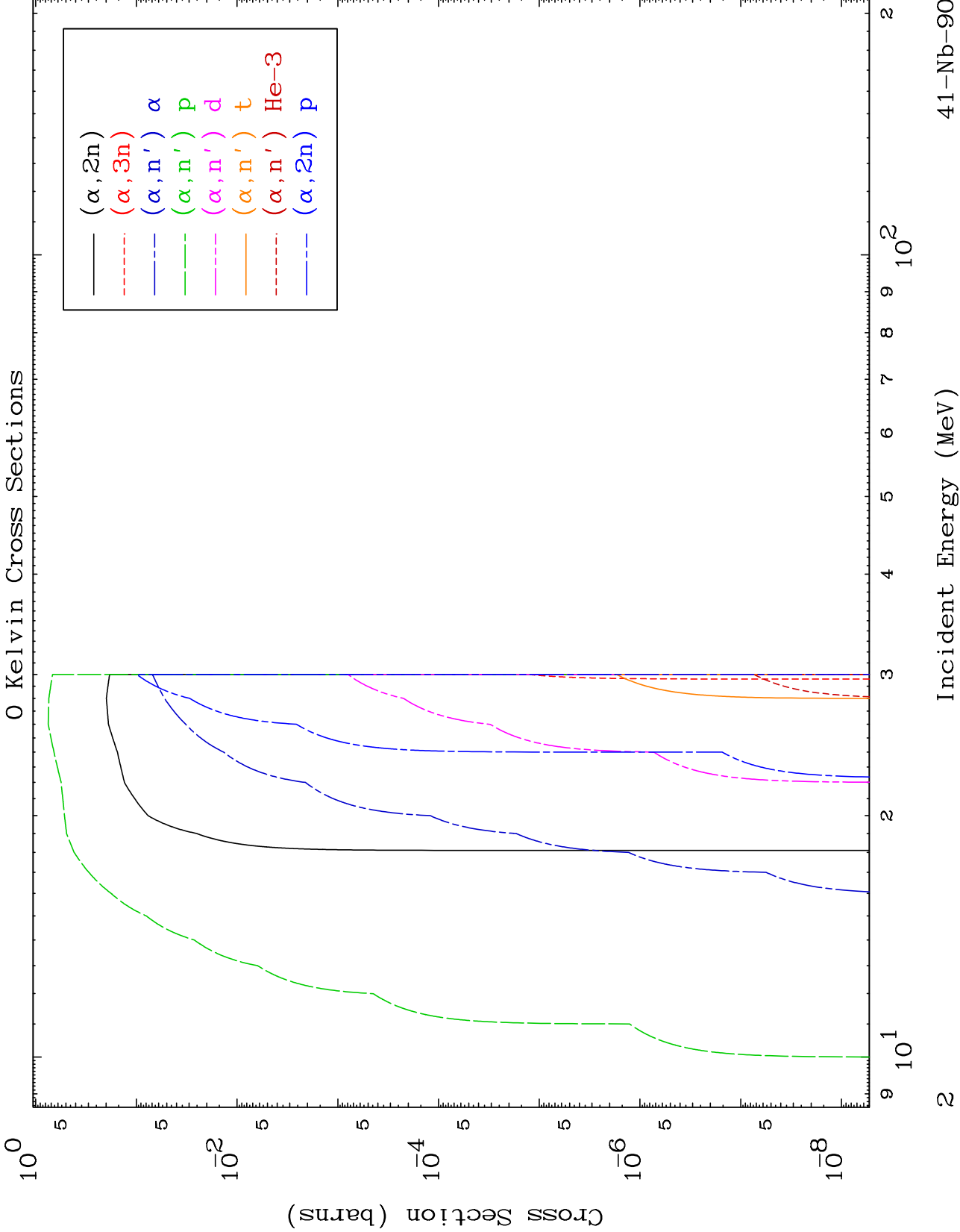
0 Kelvin Cross Sections



MAT 4117

α Neutron Production
0 Kelvin Cross Sections

41-Nb-90



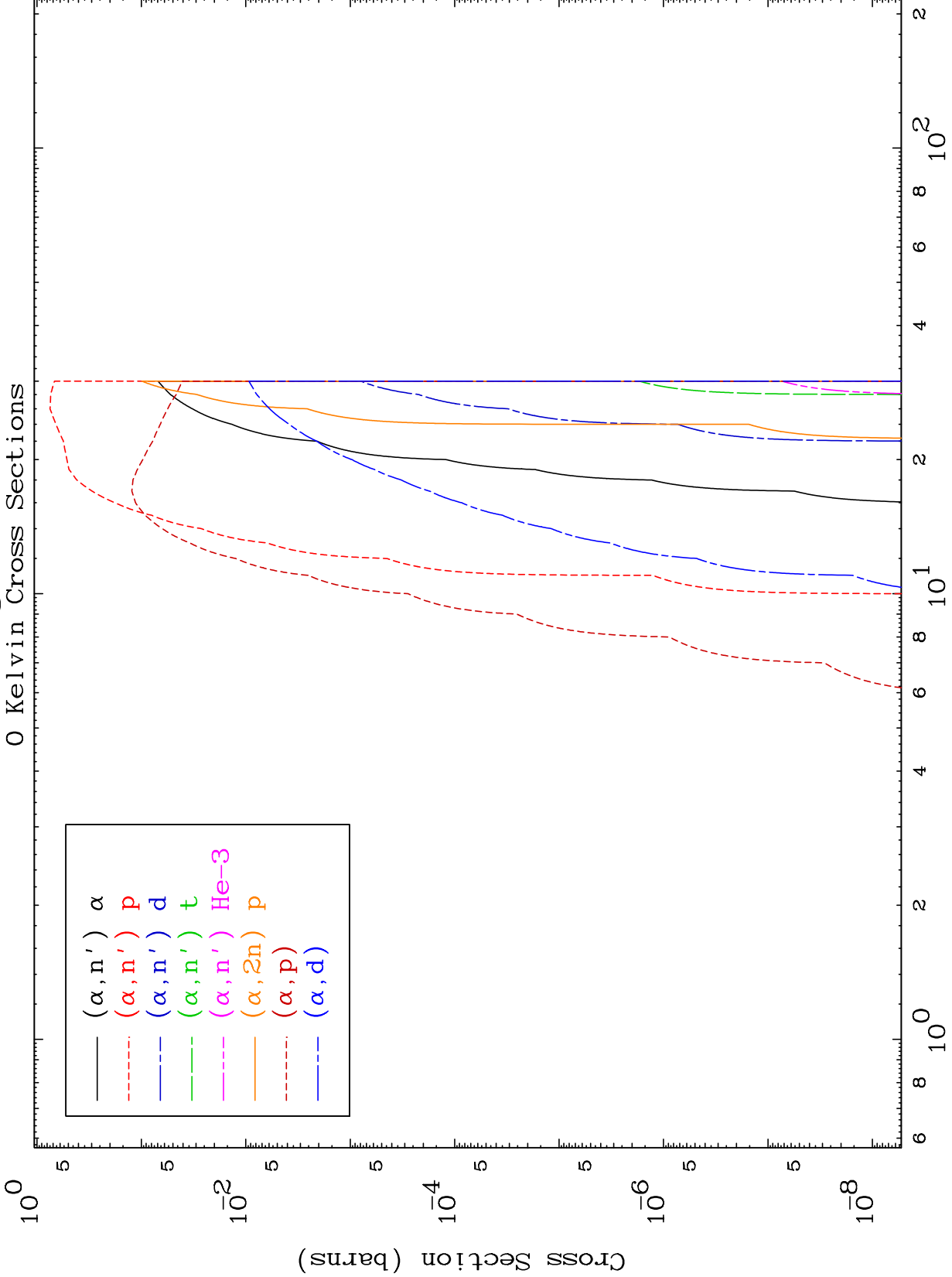
41-Nb-90

Incident Energy (MeV)

MAT 4117

α Charged Particle
0 Kelvin Cross Sections

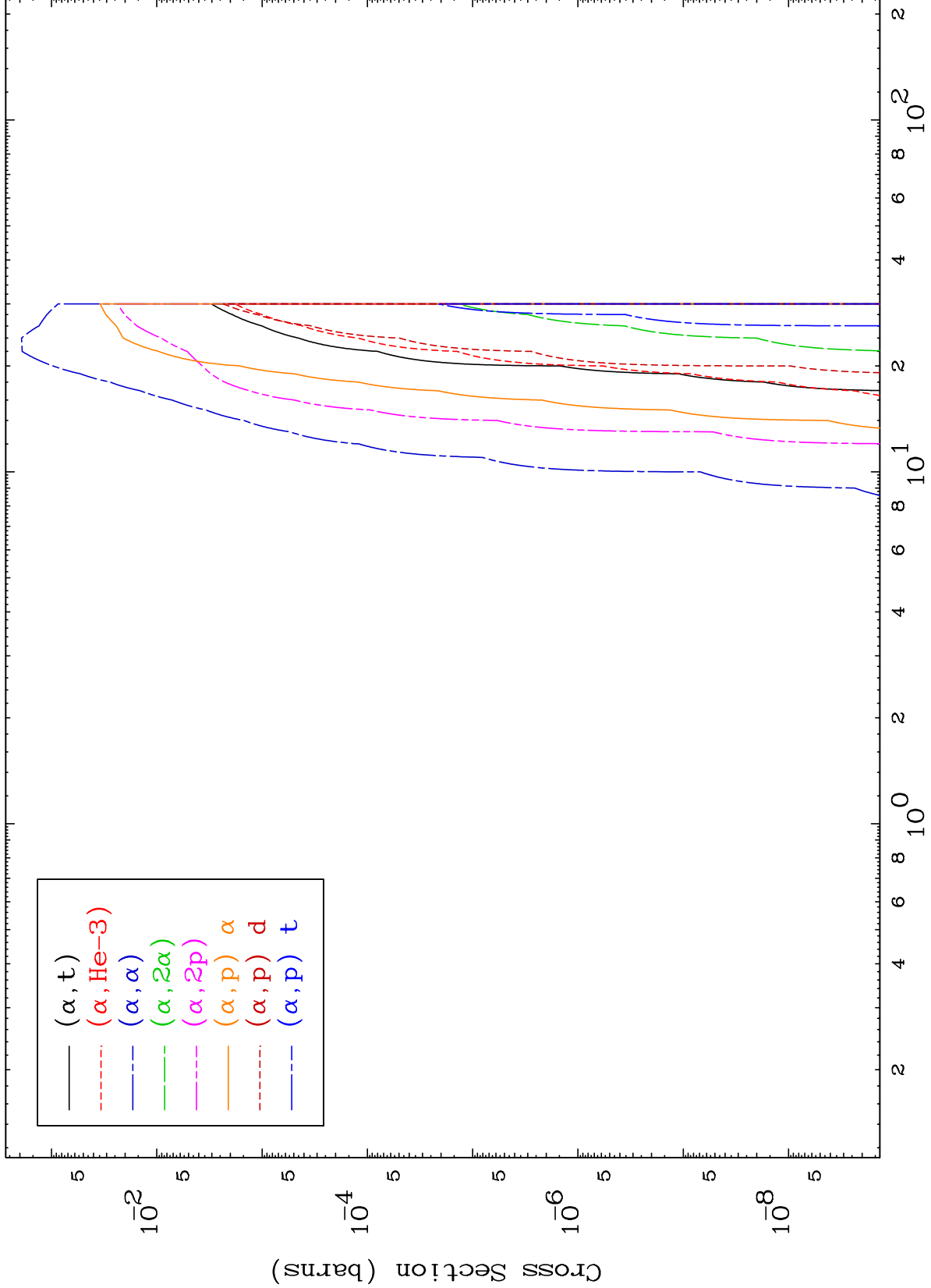
41-Nb-90



3

Incident Energy (MeV)

41-Nb-90

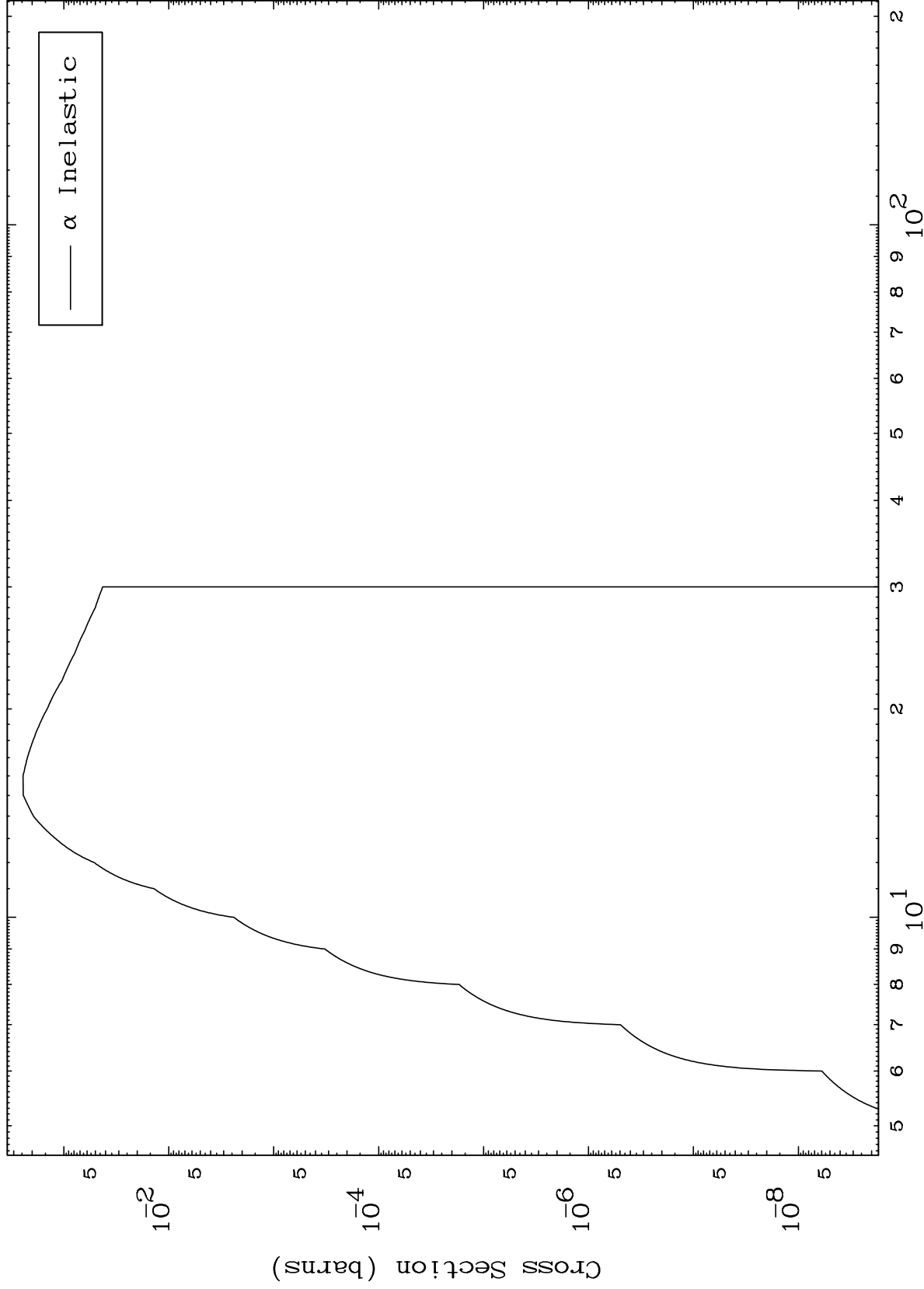


MAT 4117

(α, n') Level

41-Nb-90

0 Kelvin Cross Sections



5

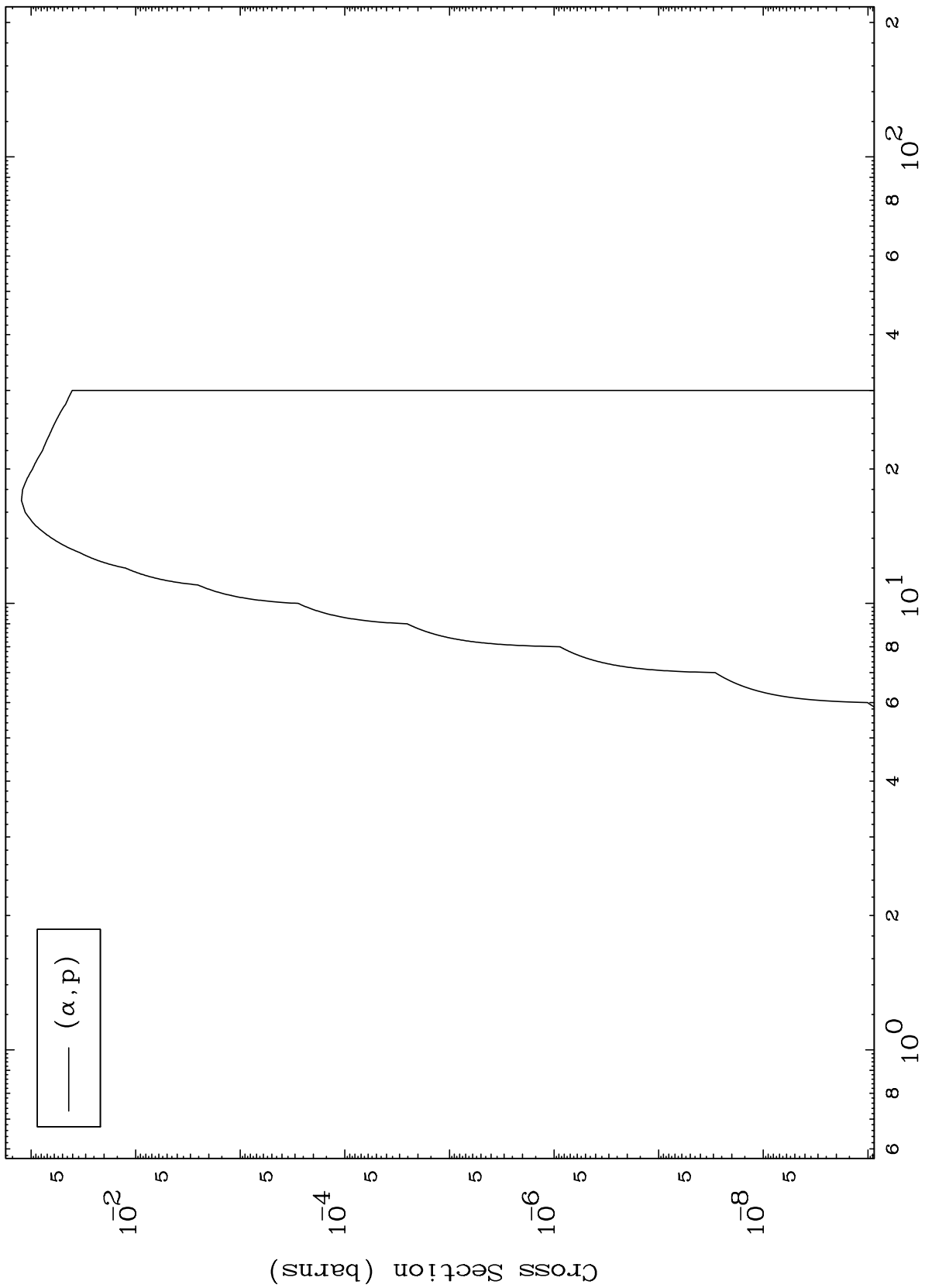
Incident Energy (MeV)

41-Nb-90

MAT 4117

41-Nb-90

(α, p) Levels
0 Kelvin Cross Sections



6

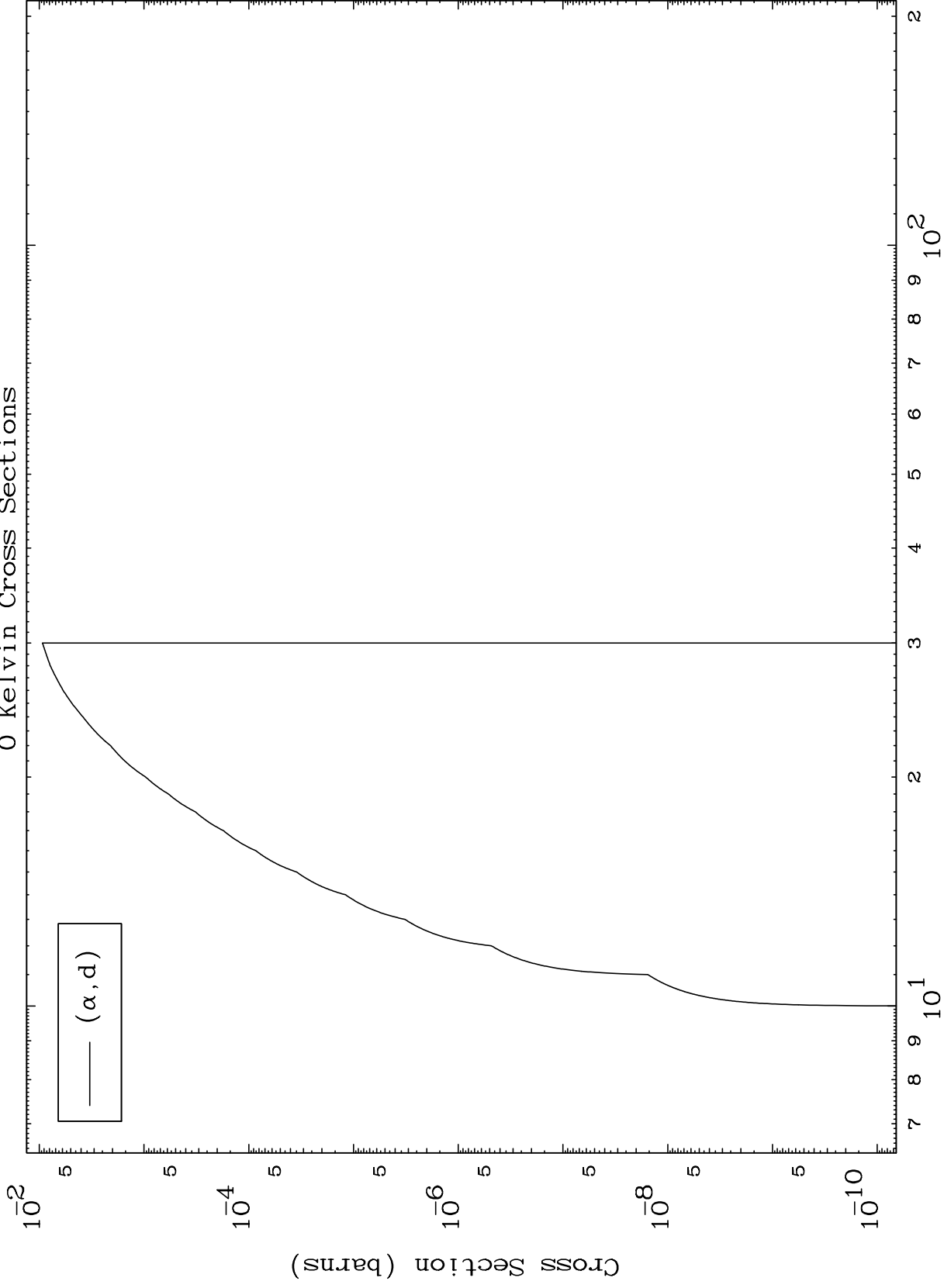
Incident Energy (MeV)

41-Nb-90

MAT 4117

(α, d) Levels
0 Kelvin Cross Sections

41-Nb-90



7

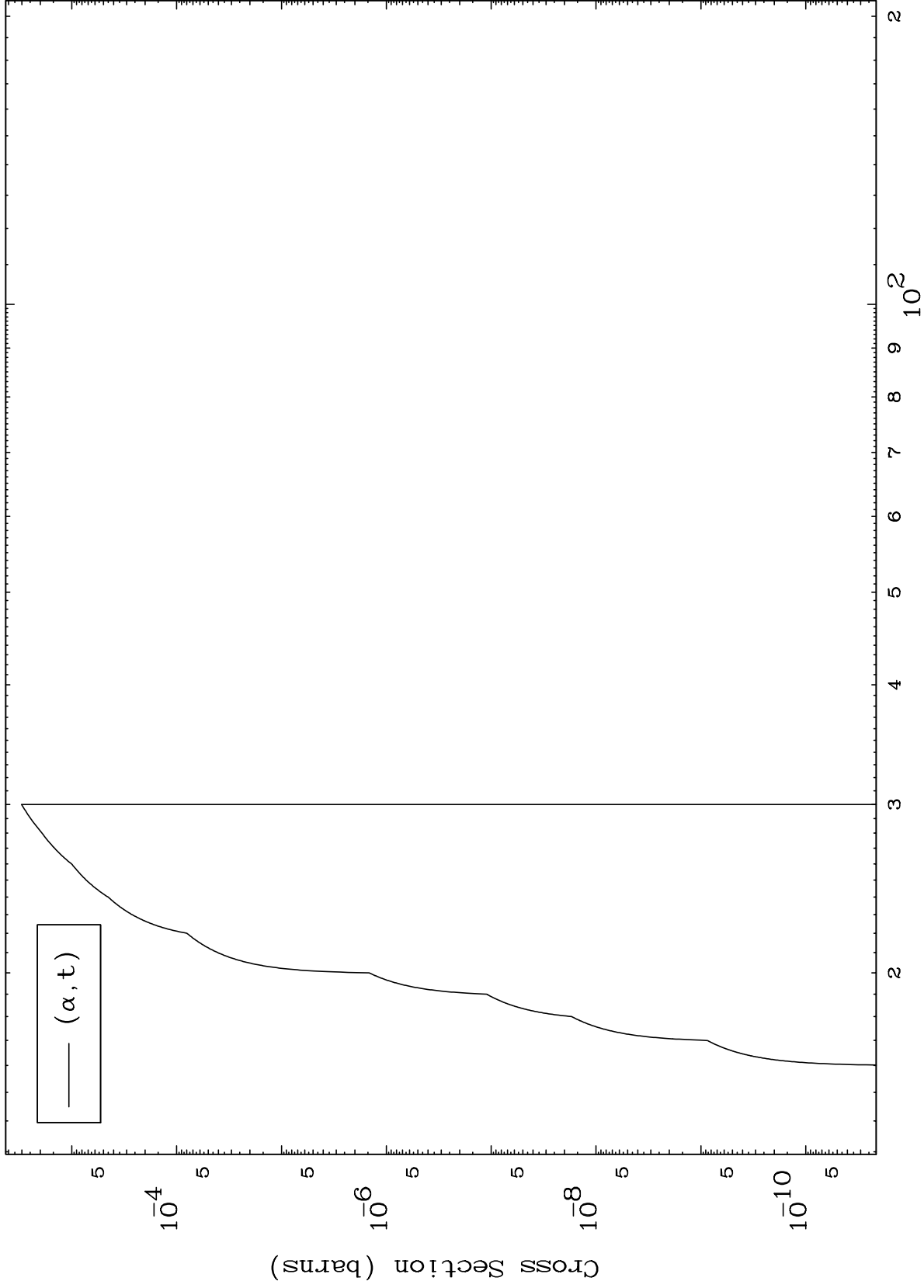
Incident Energy (MeV)

41-Nb-90

MAT 4117

(α, t) Levels
0 Kelvin Cross Sections

41-Nb-90



8

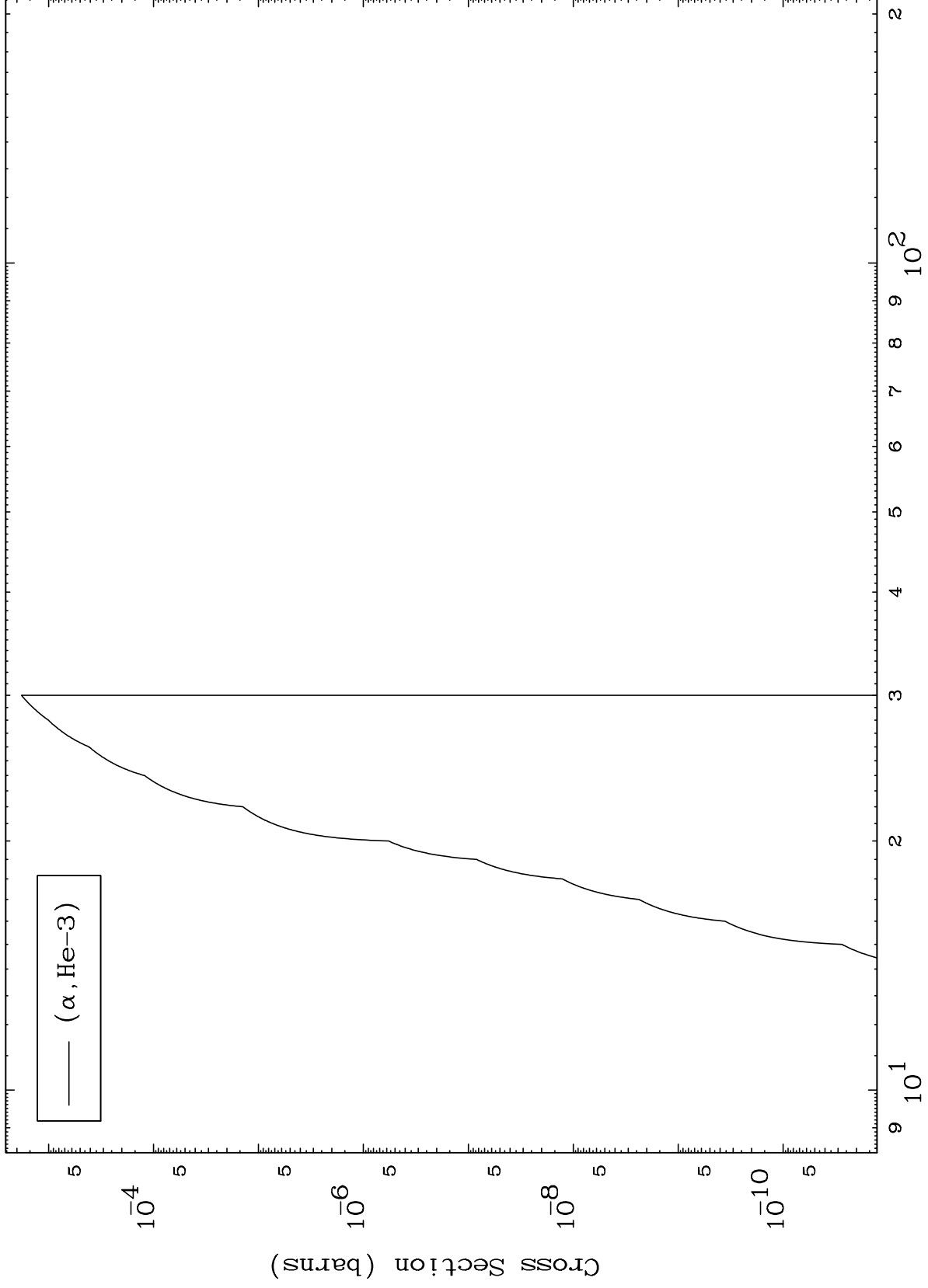
Incident Energy (MeV)

41-Nb-90

MAT 4117

(α , He3) Levels
0 Kelvin Cross Sections

41-Nb-90



9

Incident Energy (MeV)

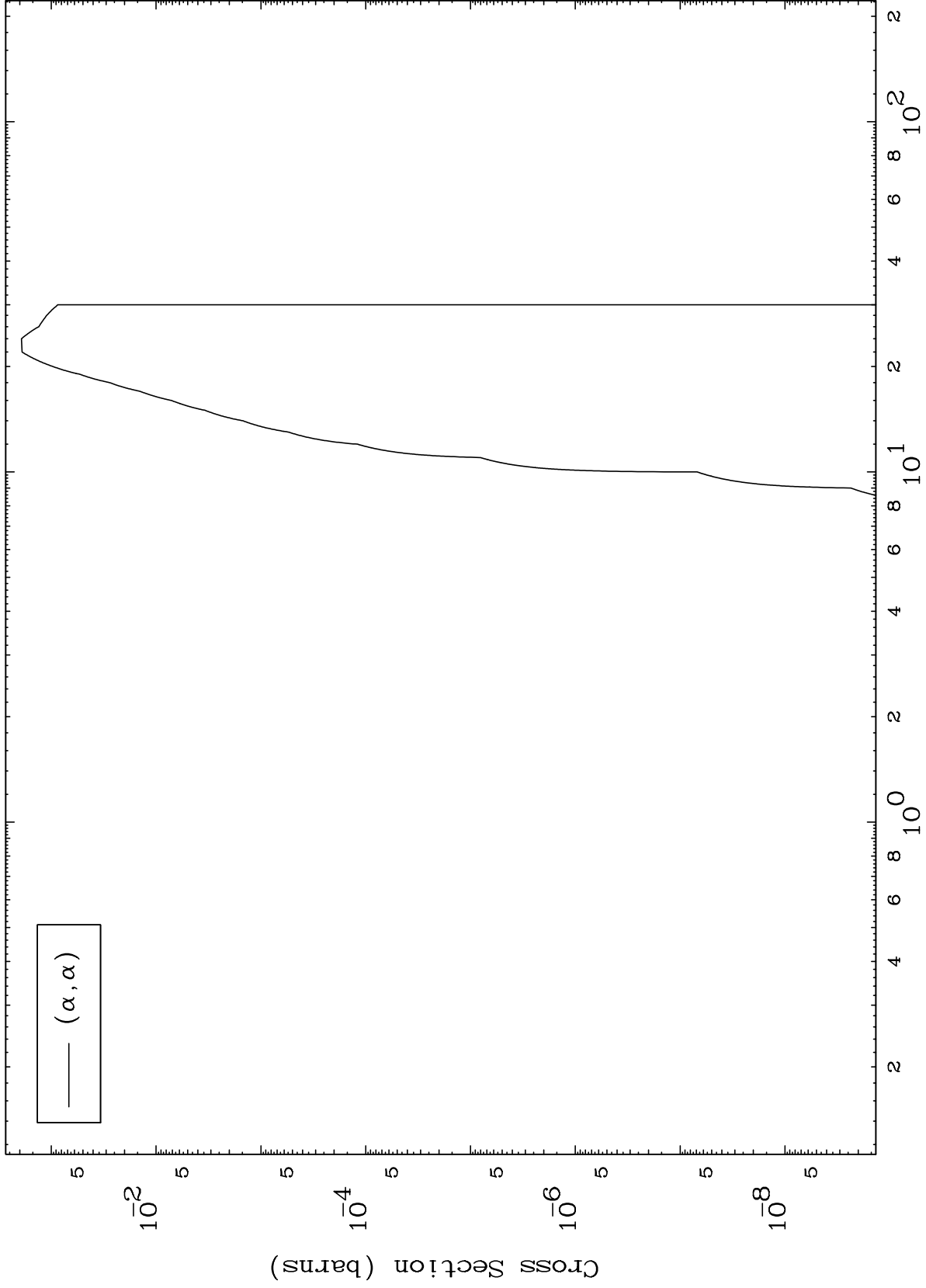
41-Nb-90

MAT 4117

(α, α) Levels

41-Nb-90

0 Kelvin Cross Sections



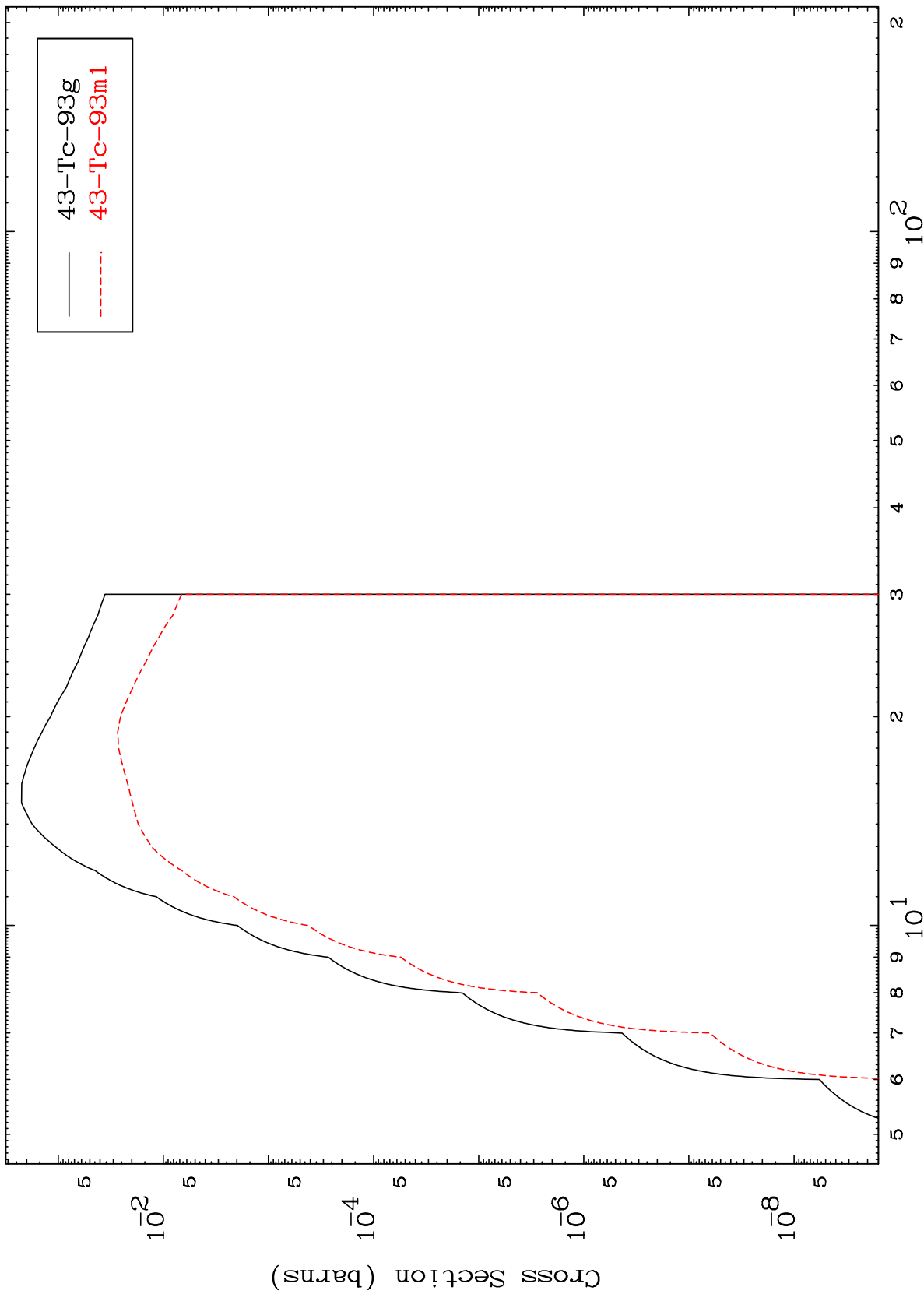
10

Incident Energy (MeV)

41-Nb-90

Radionuclide Production Cross Section

α Inelastic

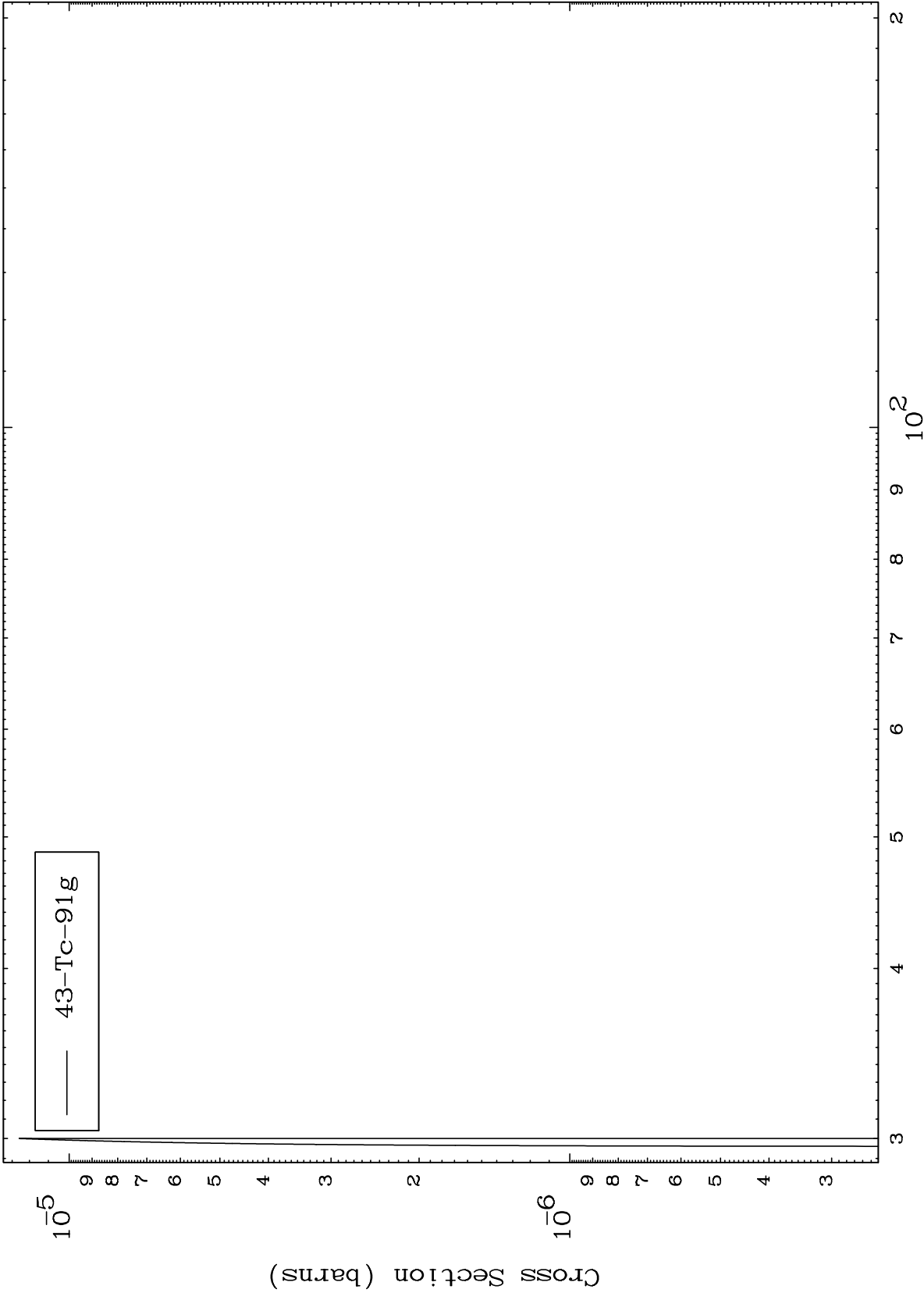


MAT 41117

($\alpha, 3n$)

41-Nb-90

Radionuclide Production Cross Section



12

Incident Energy (MeV)

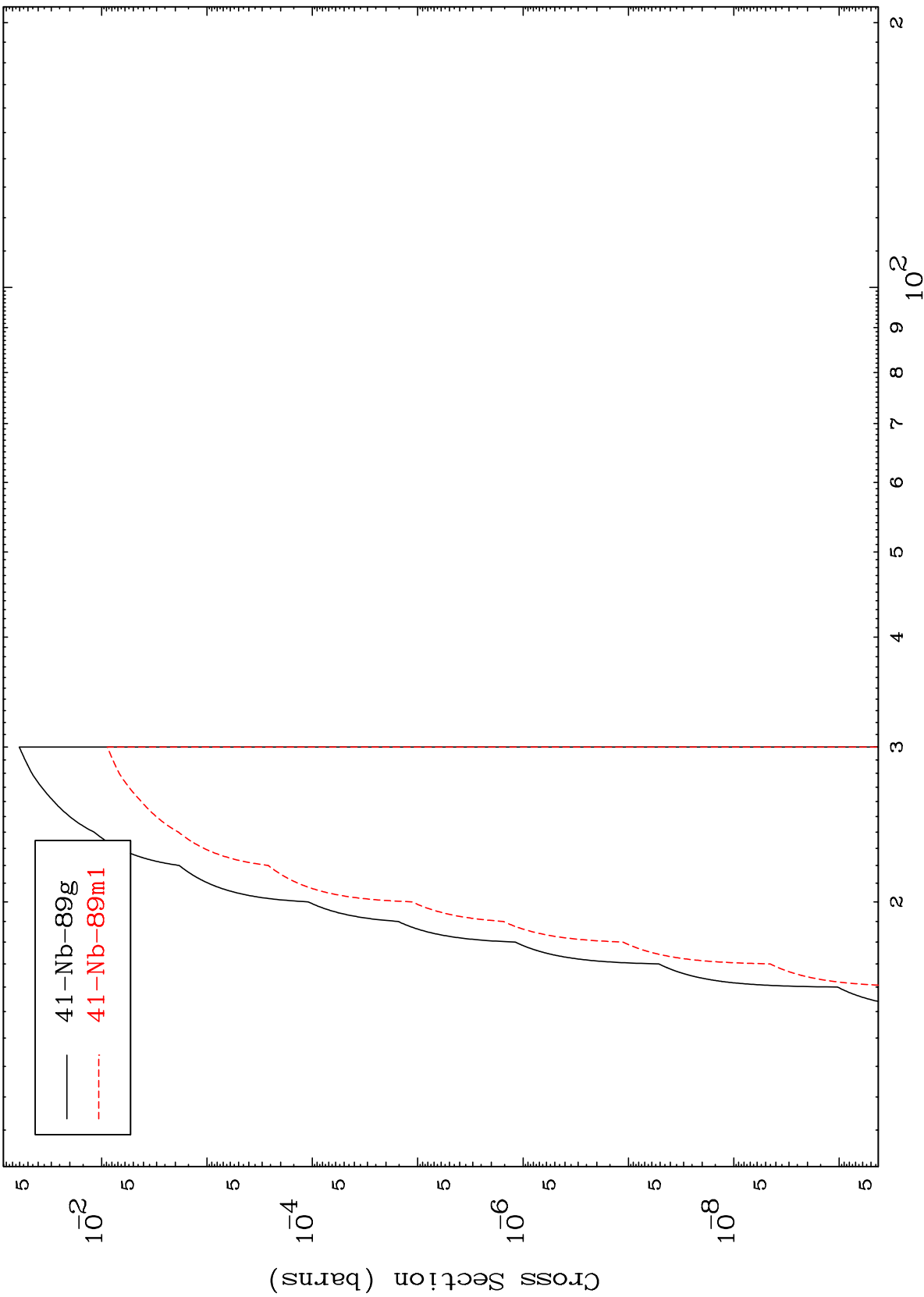
41-Nb-90

MAT 4117

(α, n') α

41-Nb-90

Radionuclide Production Cross Section



Incident Energy (MeV)

41-Nb-90

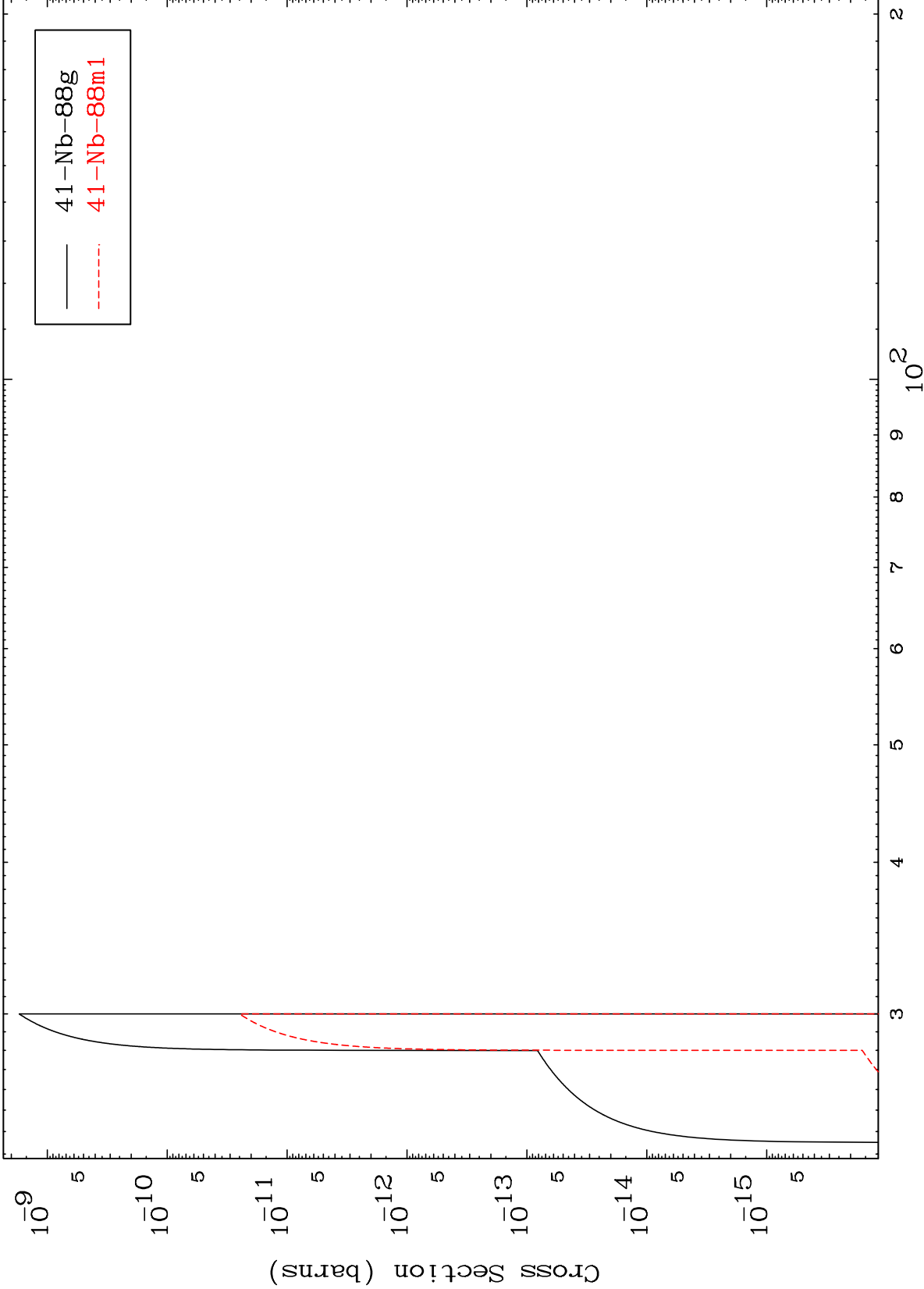
13

MAT 4117

$(\alpha, 2n)$ α

41-Nb-90

Radionuclide Production Cross Section



14

Incident Energy (MeV)

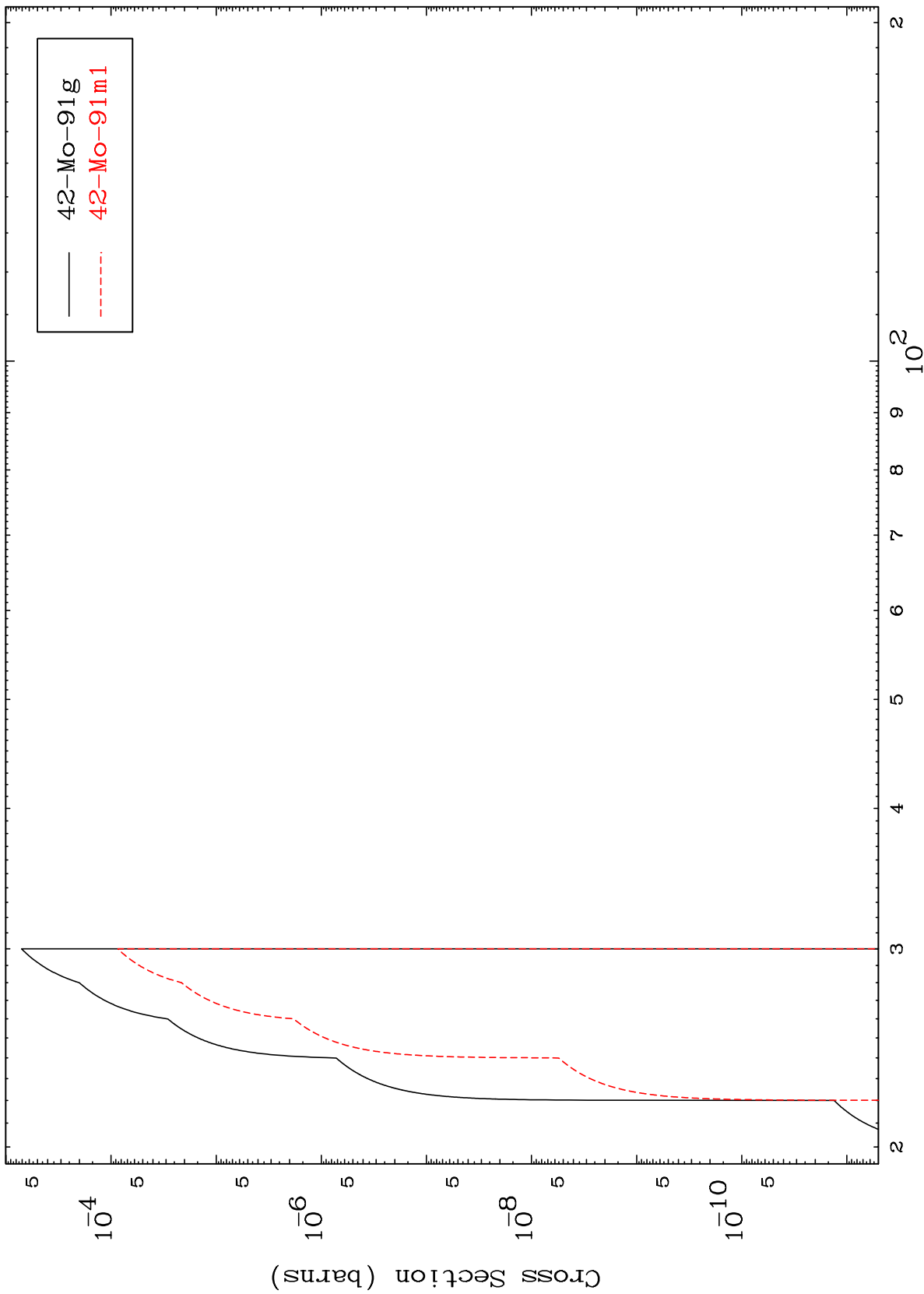
41-Nb-90

MAT 4117

(α, n') d

41-Nb-90

Radionuclide Production Cross Section



15

Incident Energy (MeV)

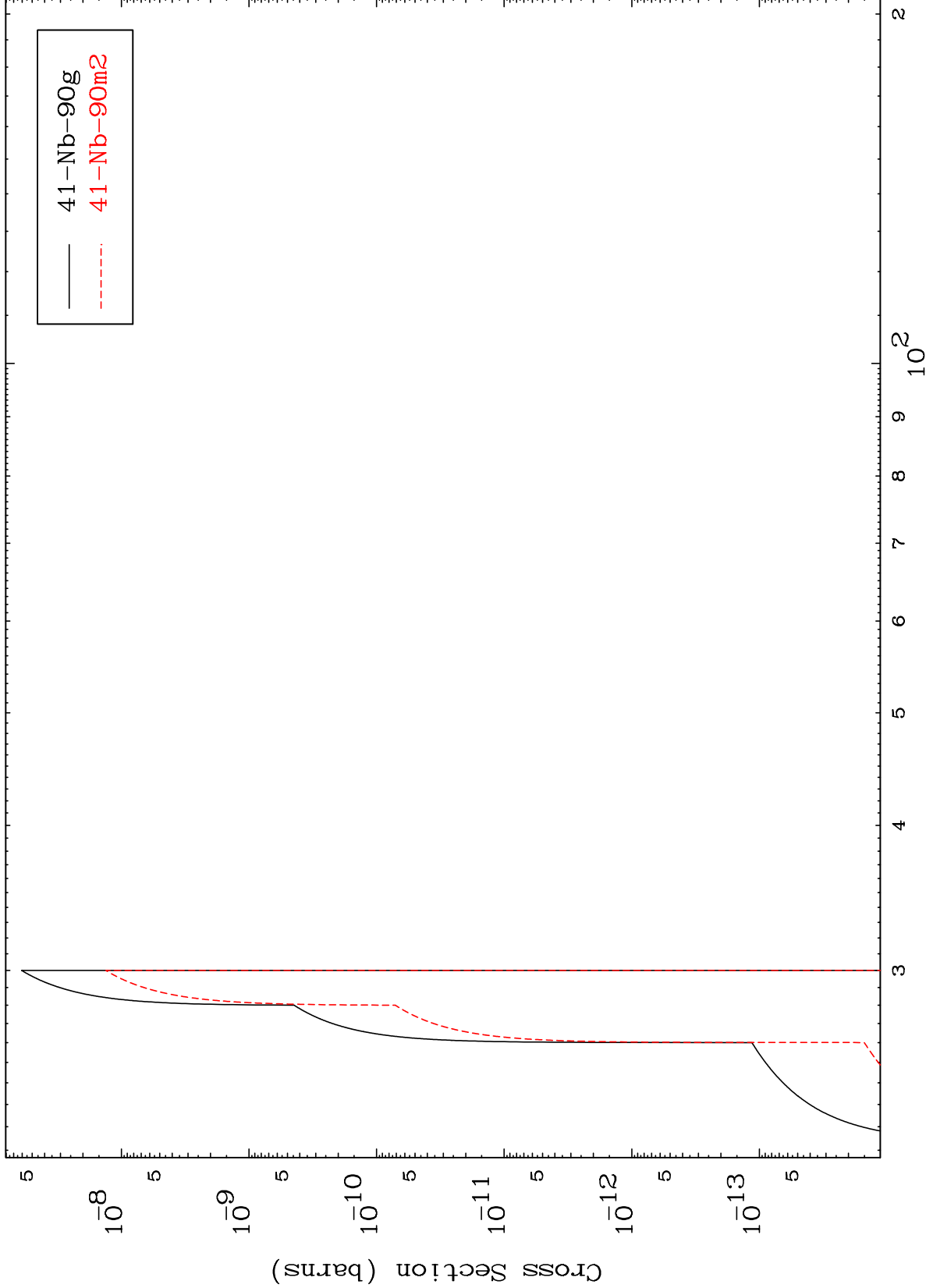
41-Nb-90

MAT 4117

(α, n') He-3

41-Nb-90

Radionuclide Production Cross Section



16

Incident Energy (MeV)

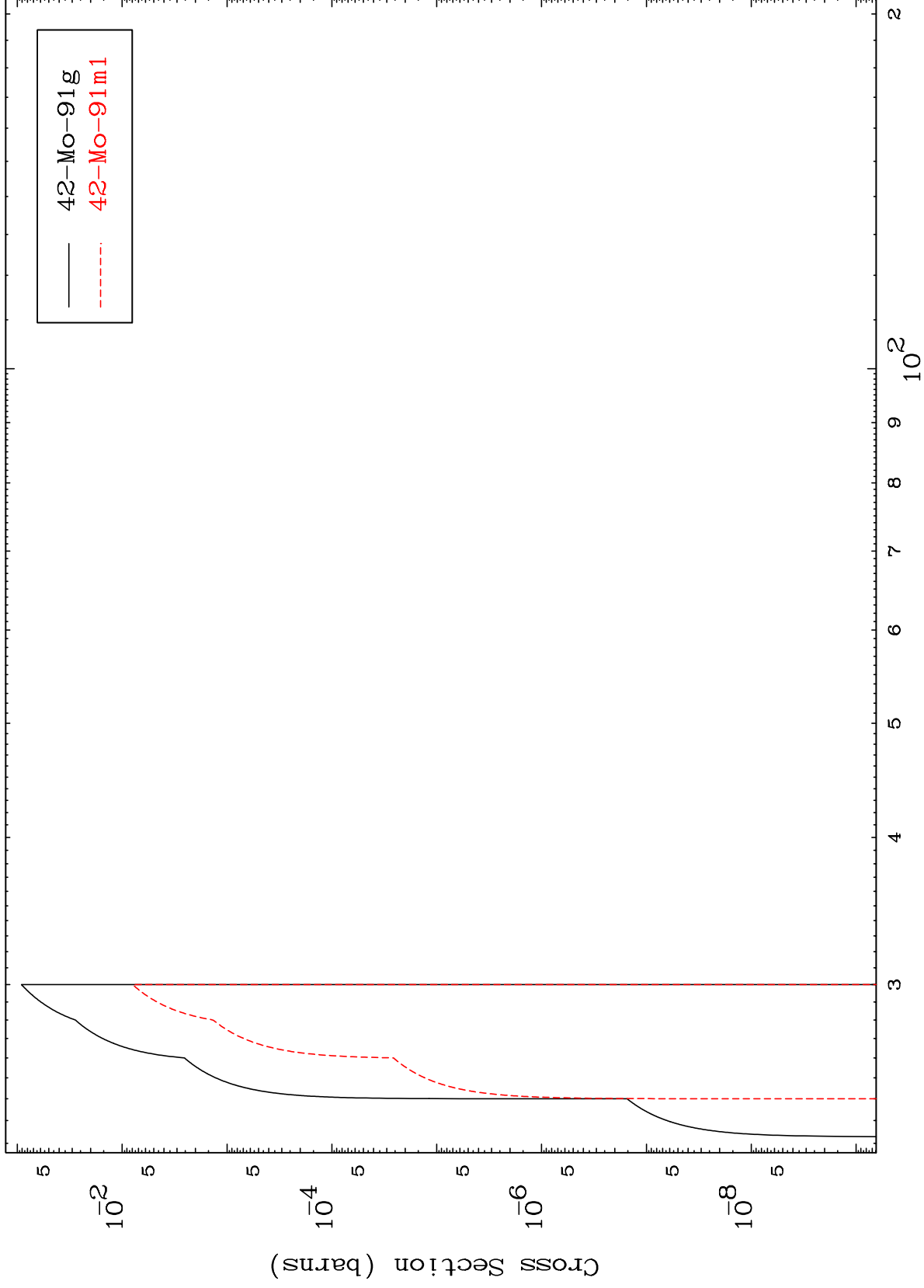
41-Nb-90

MAT 4117

$(\alpha, 2n)$ p

41-Nb-90

Radionuclide Production Cross Section



17

Incident Energy (MeV)

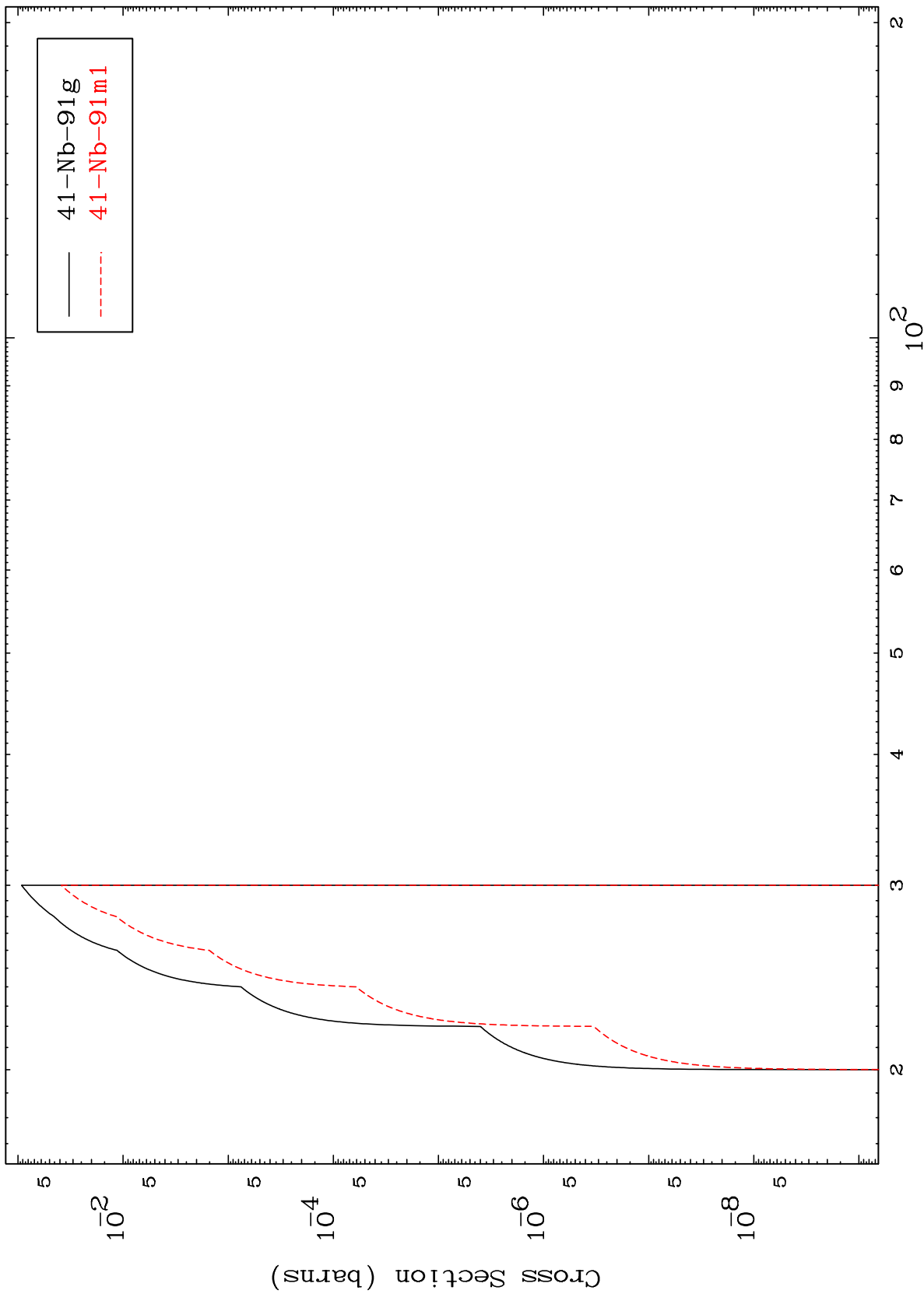
41-Nb-90

MAT 4117

$(\alpha, 2n)$ p

41-Nb-90

Radionuclide Production Cross Section



18

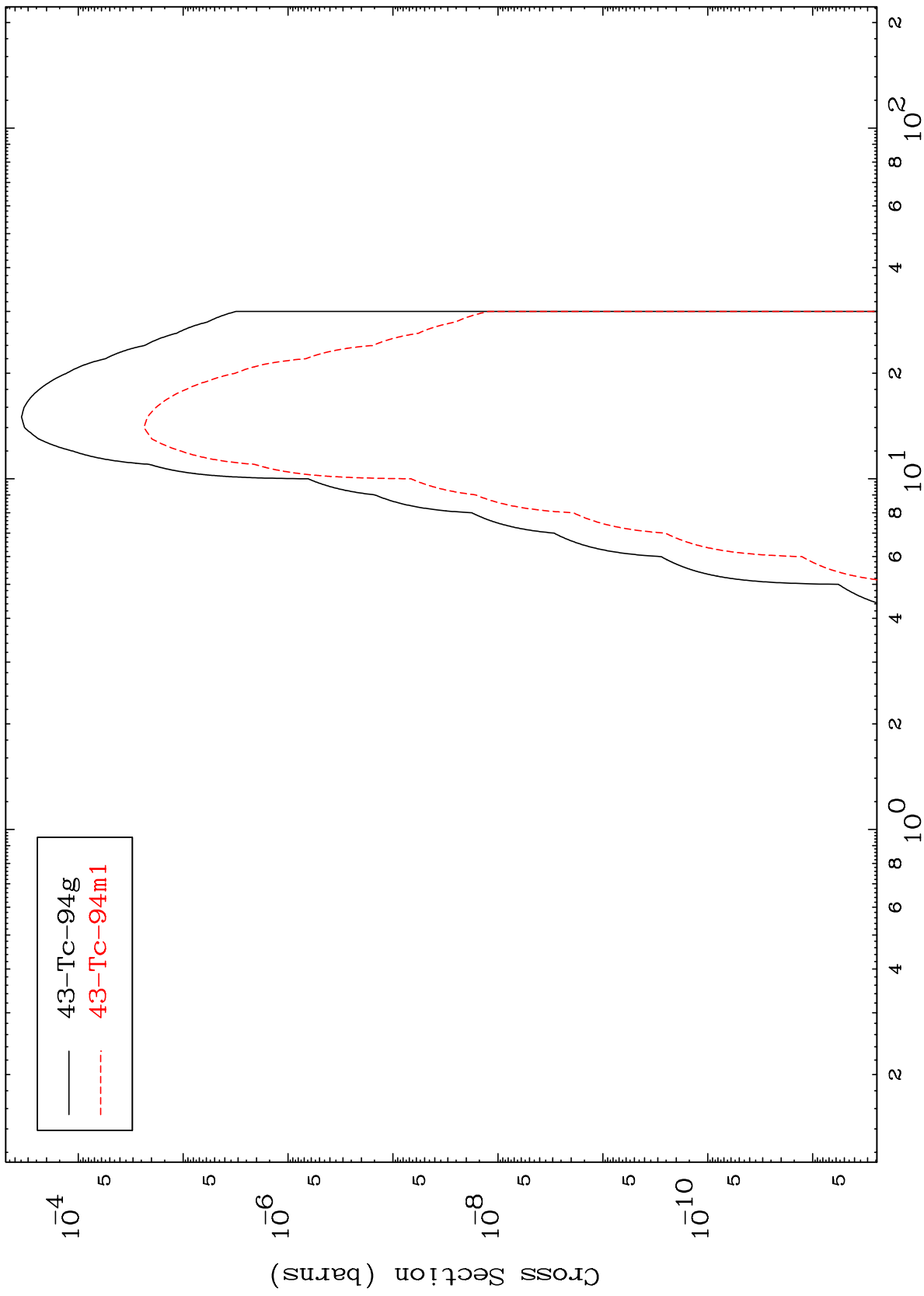
Incident Energy (MeV)

41-Nb-90

MAT 4117

41-Nb-90

(α, γ)
Radionuclide Production Cross Section



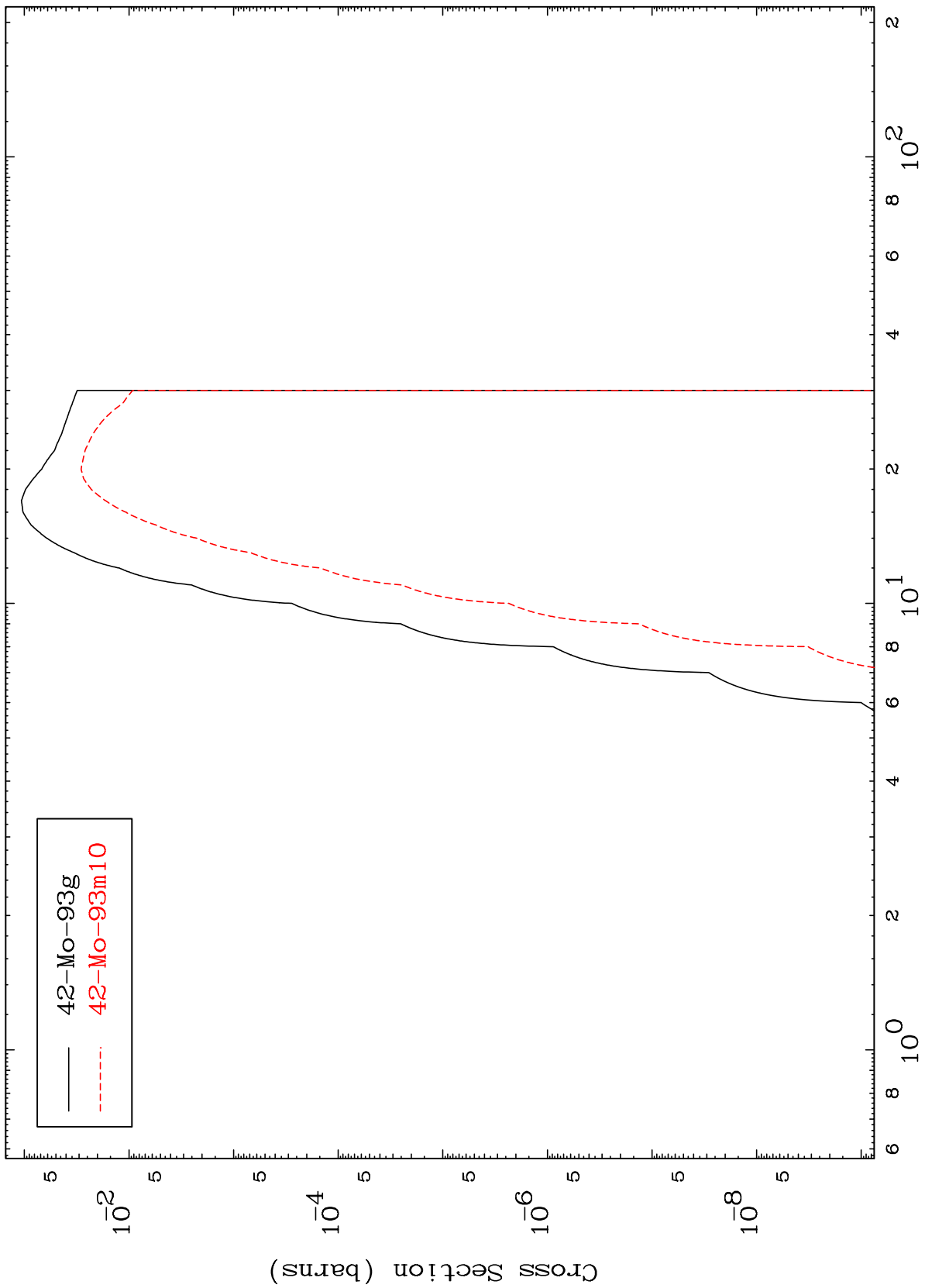
19

41-Nb-90

MAT 4117

41-Nb-90

(α, p)
Radionuclide Production Cross Section

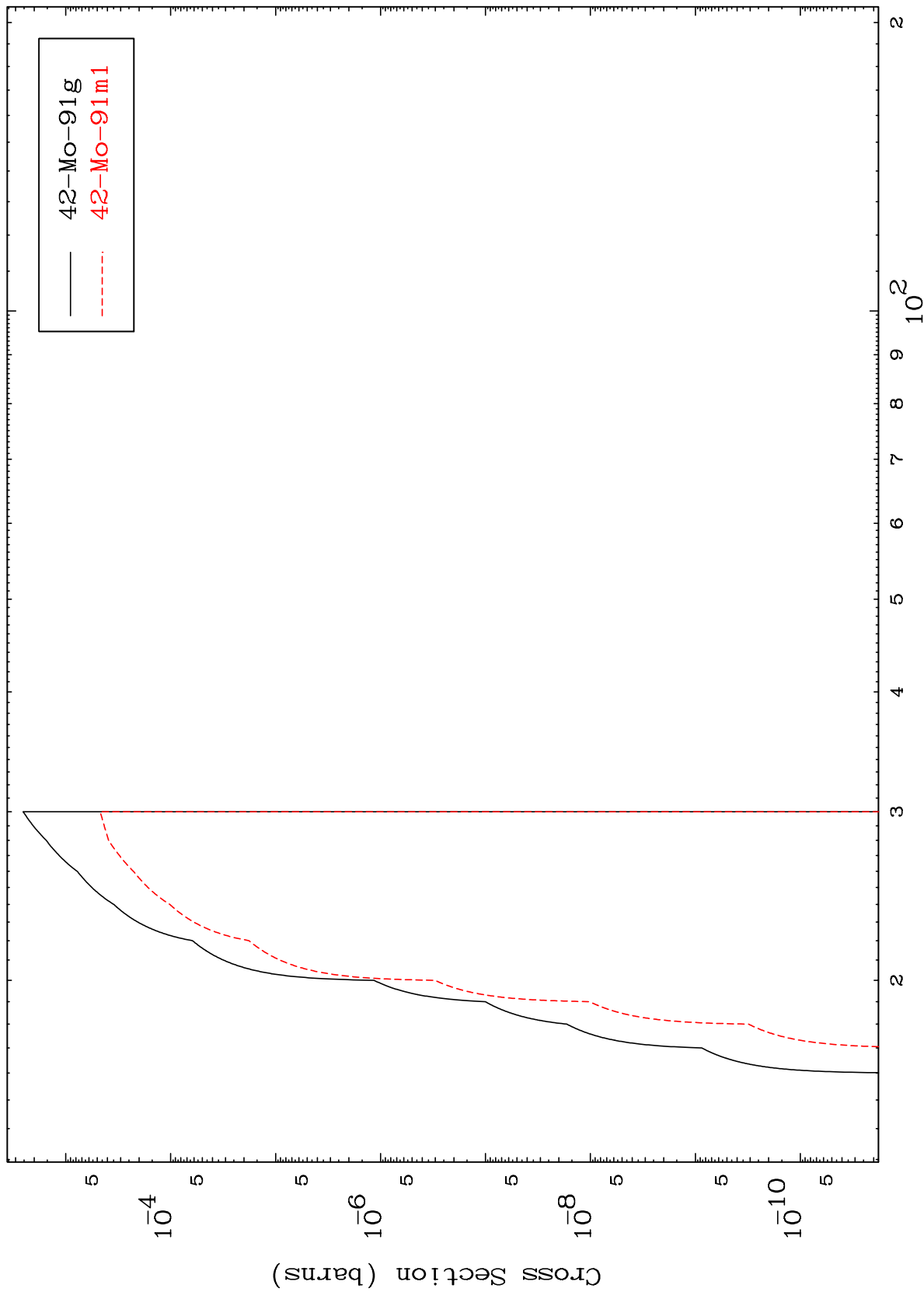


20

Incident Energy (MeV)

41-Nb-90

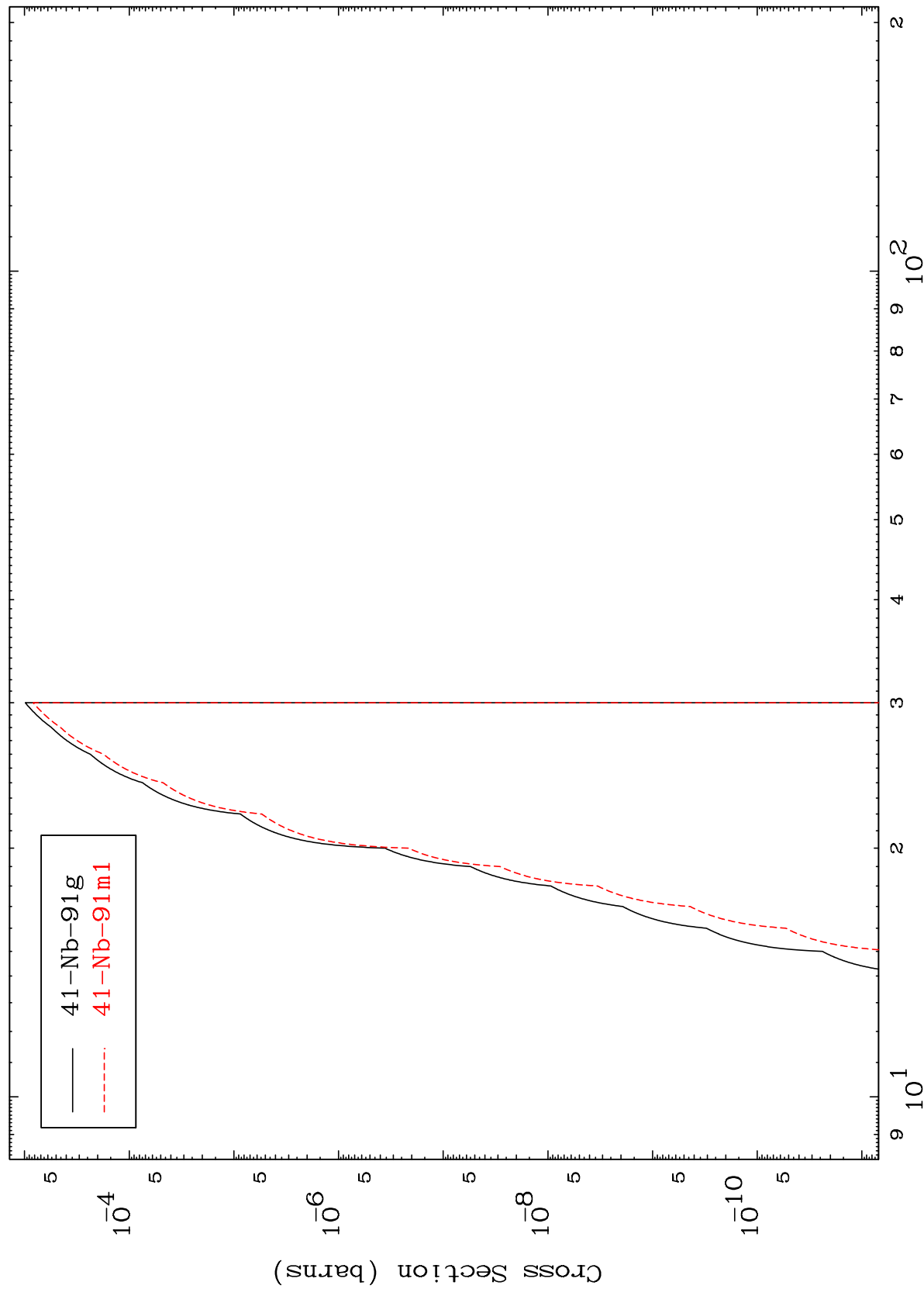
Radionuclide Production Cross Section



MAT 4117

41-Nb-90

($\alpha, \text{He-3}$)
Radionuclide Production Cross Section



22

41-Nb-90

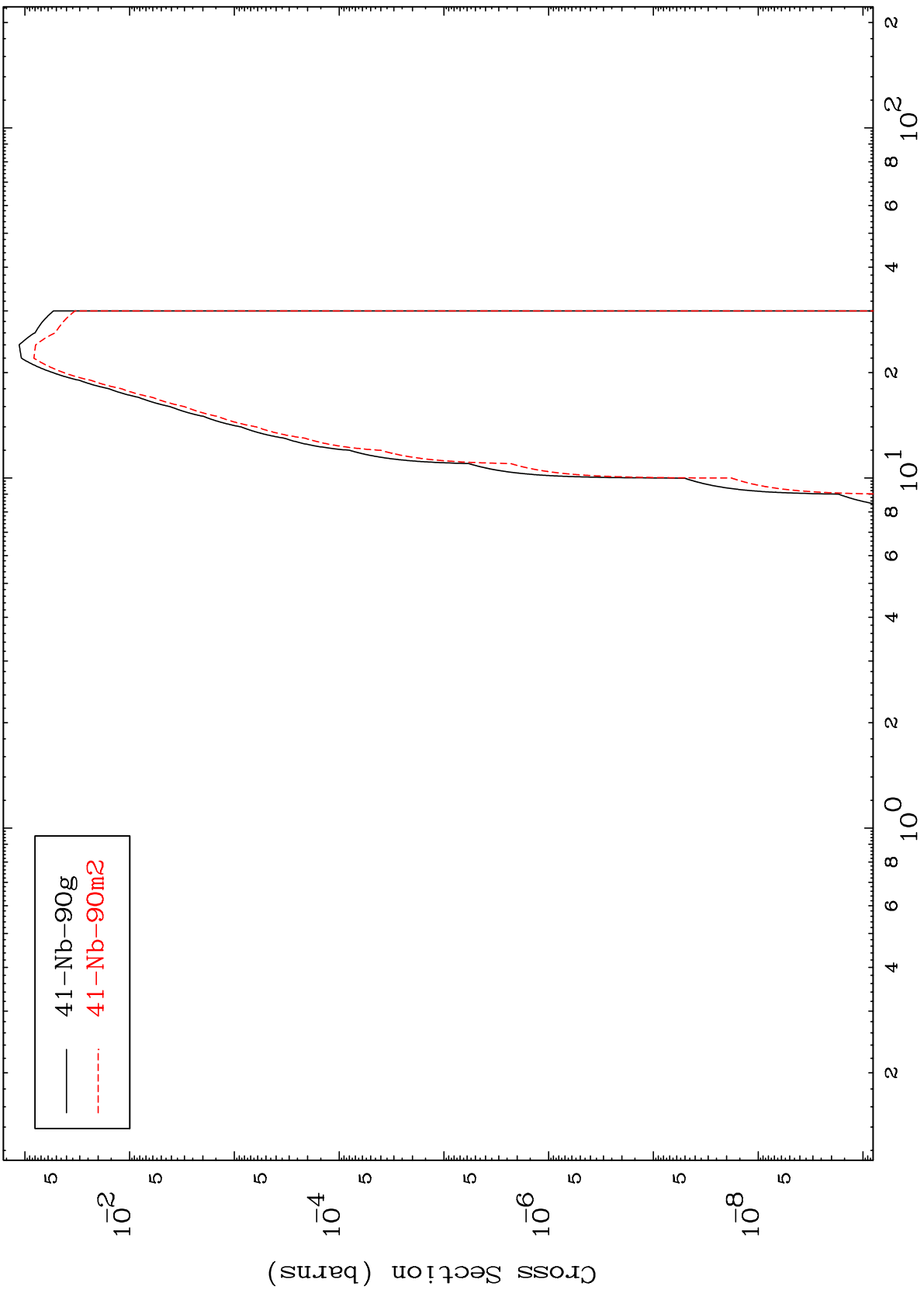
Incident Energy (MeV)

MAT 4117

(α, α)

41-Nb-90

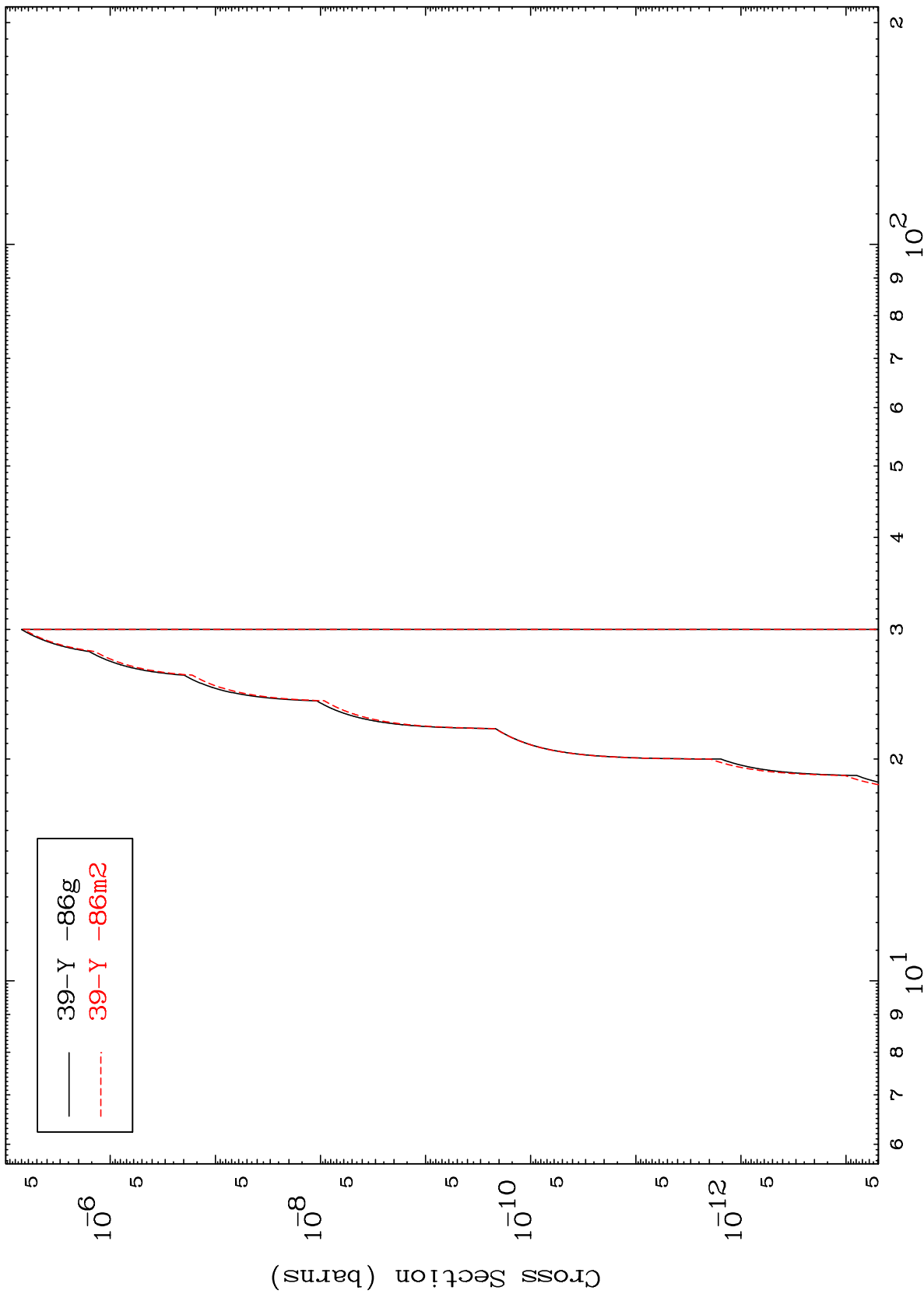
Radionuclide Production Cross Section



MAT 4117

41-Nb-90

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



39-Y -86g
39-Y -86m2

41-Nb-90

Incident Energy (MeV)

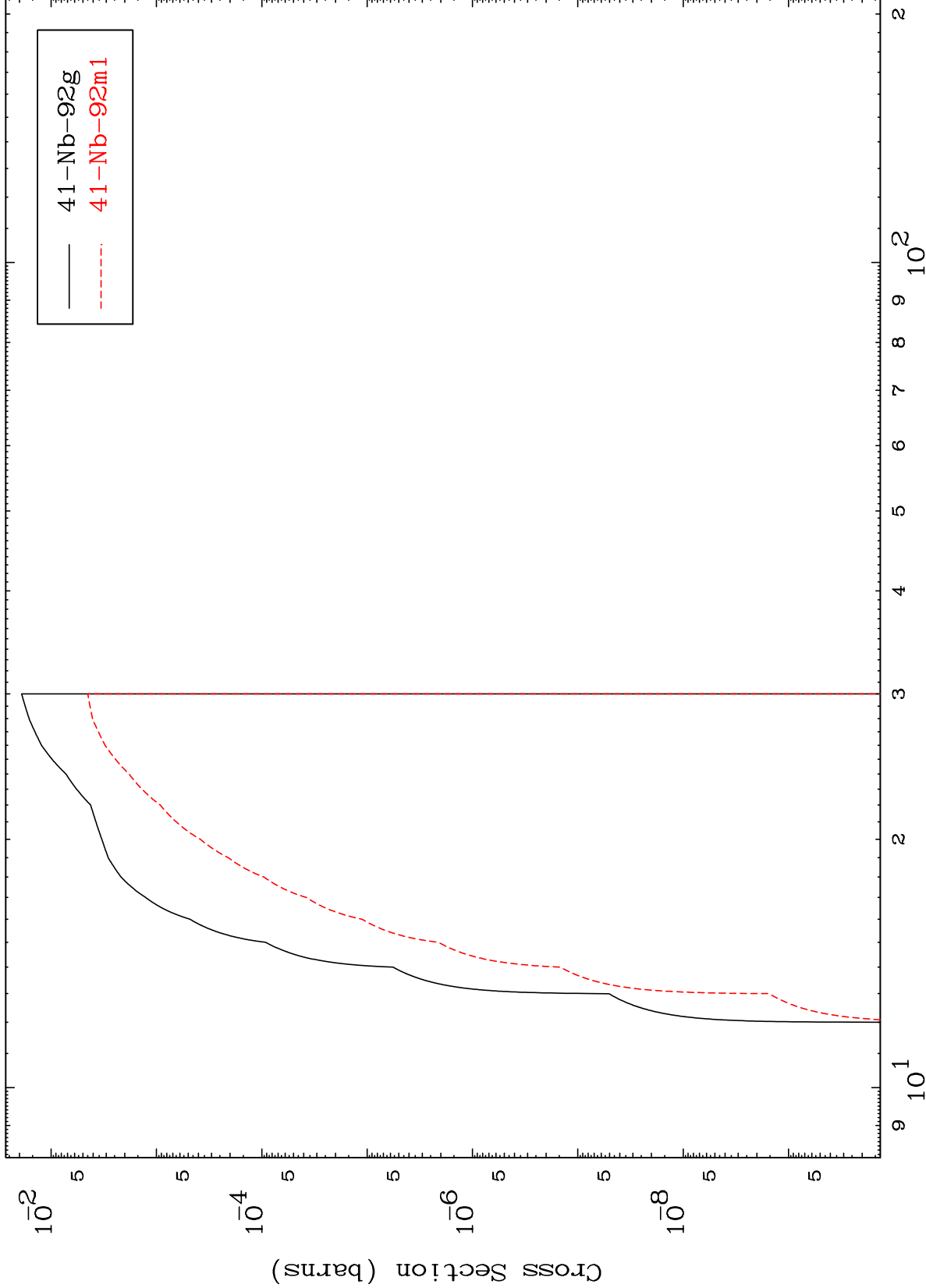
24

MAT 4117

($\alpha, 2p$)

41-Nb-90

Radionuclide Production Cross Section



25

Incident Energy (MeV)

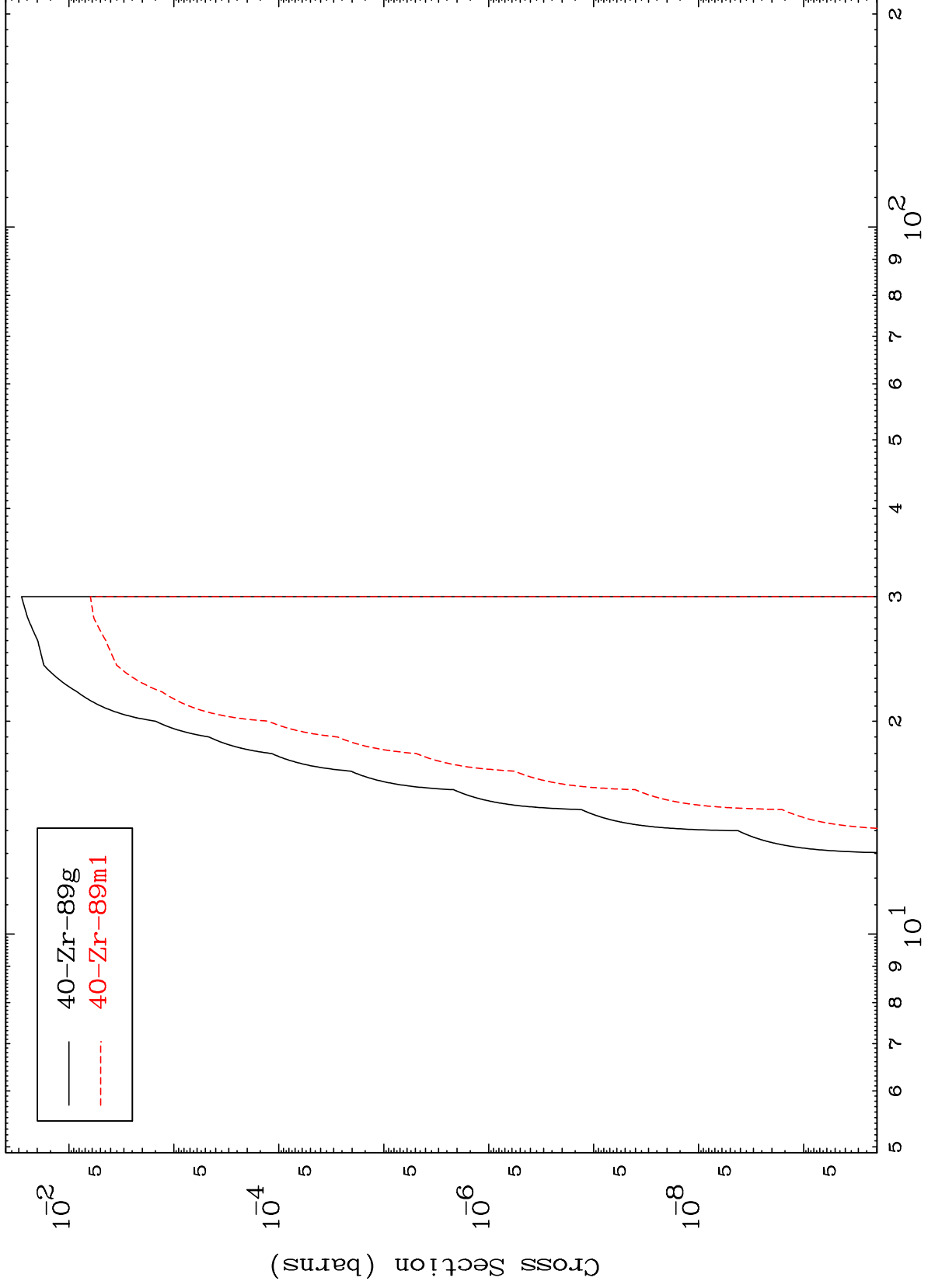
41-Nb-90

MAT 4117

(α, p) α

41-Nb-90

Radionuclide Production Cross Section



26

Incident Energy (MeV)

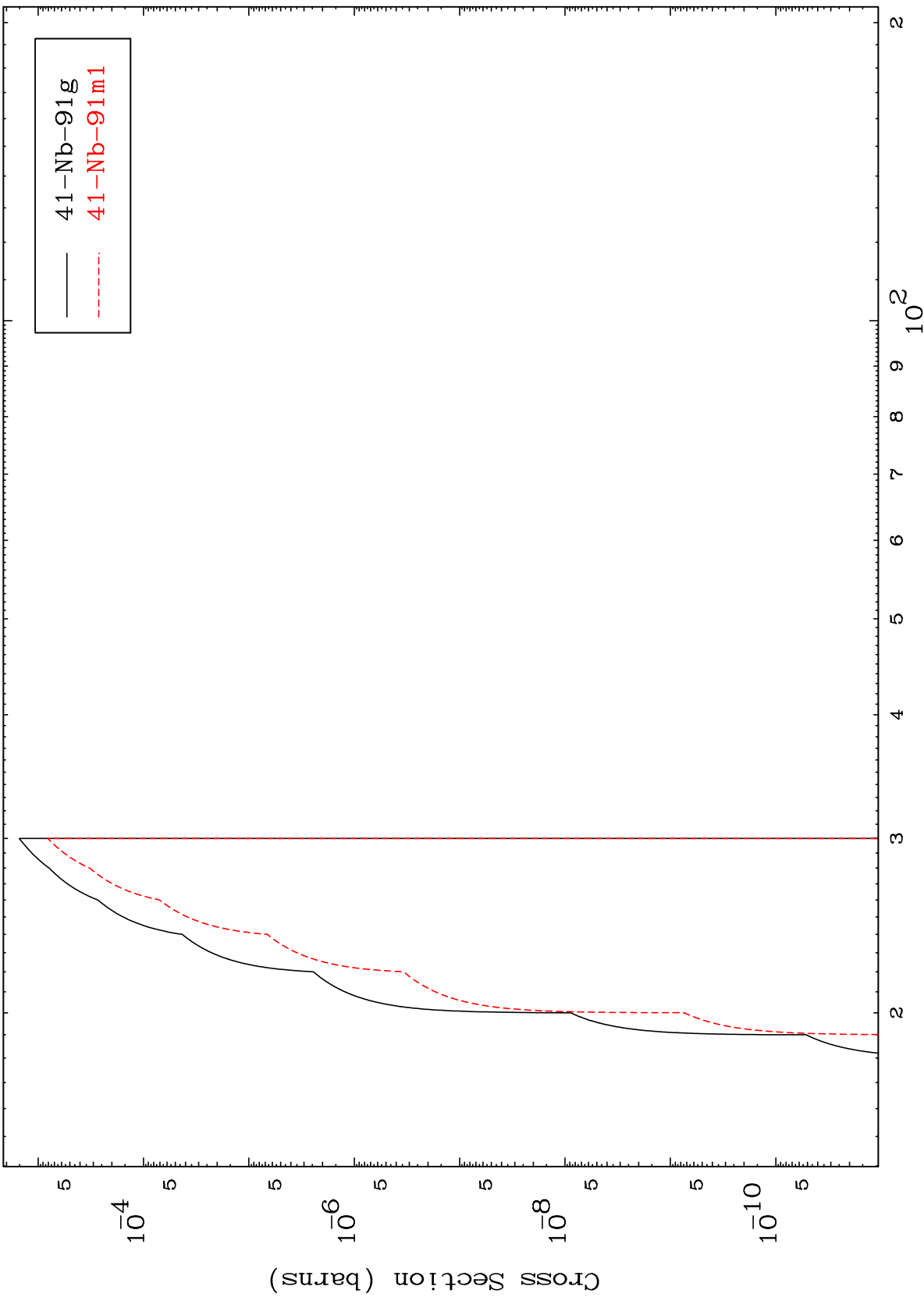
41-Nb-90

MAT 4117

(α, p) d

41-Nb-90

Radionuclide Production Cross Section



27

Incident Energy (MeV)

41-Nb-90

Radionuclide Production Cross Section

