

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

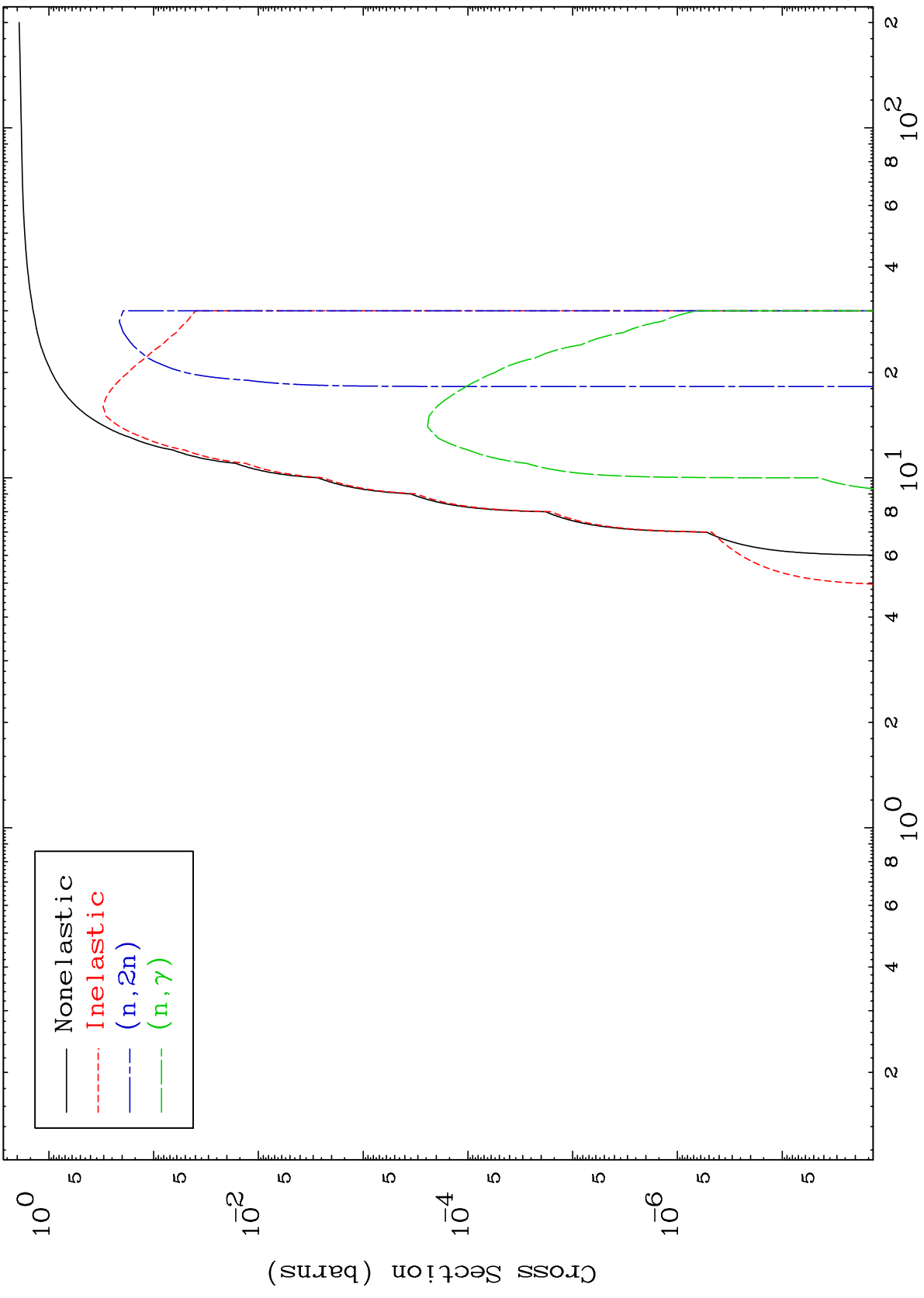
Press Mouse Button to Start

MAT 4116

α Major

41-Nb-90

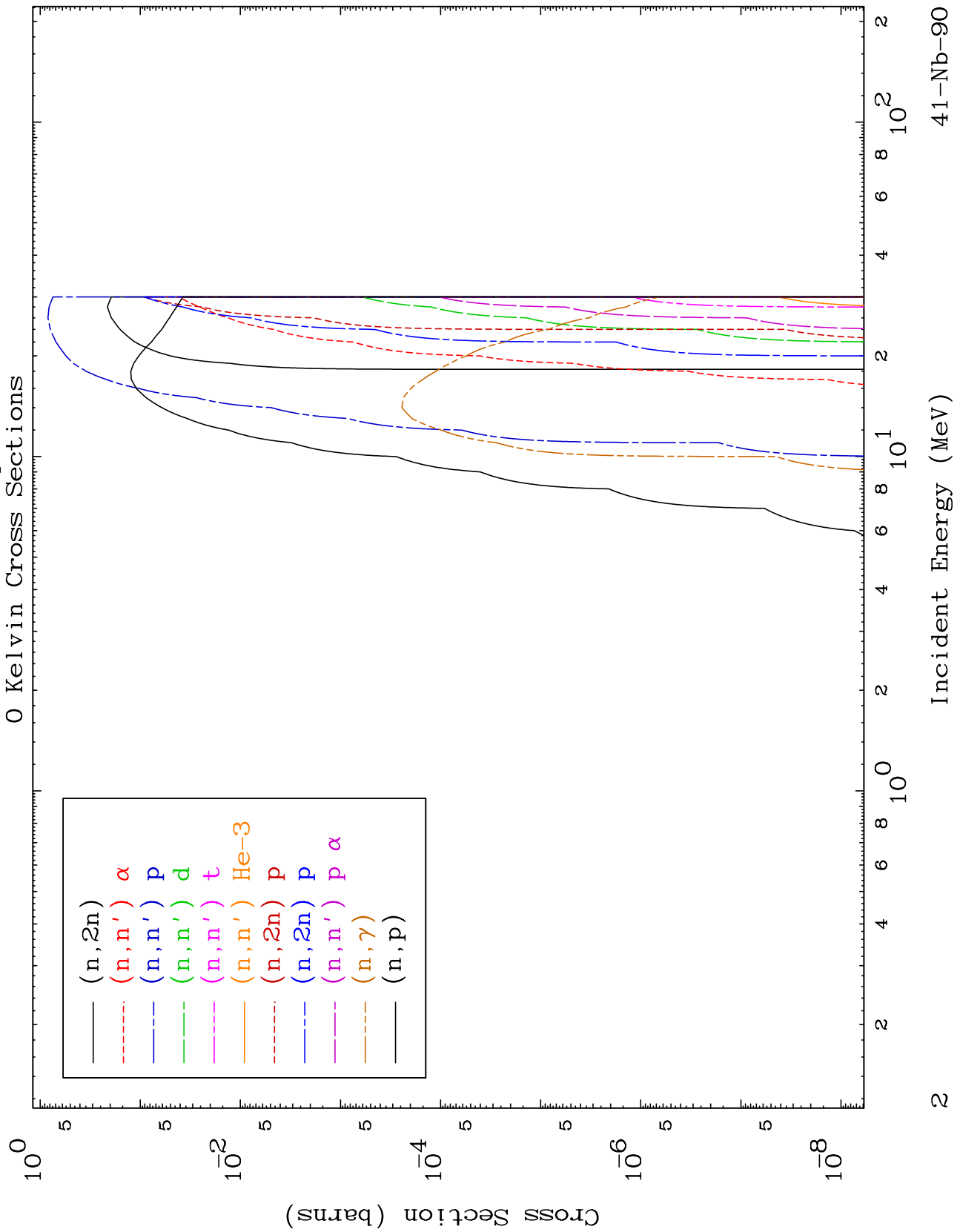
0 Kelvin Cross Sections



MAT 4116

α Neutron Absorption

41-Nb-90

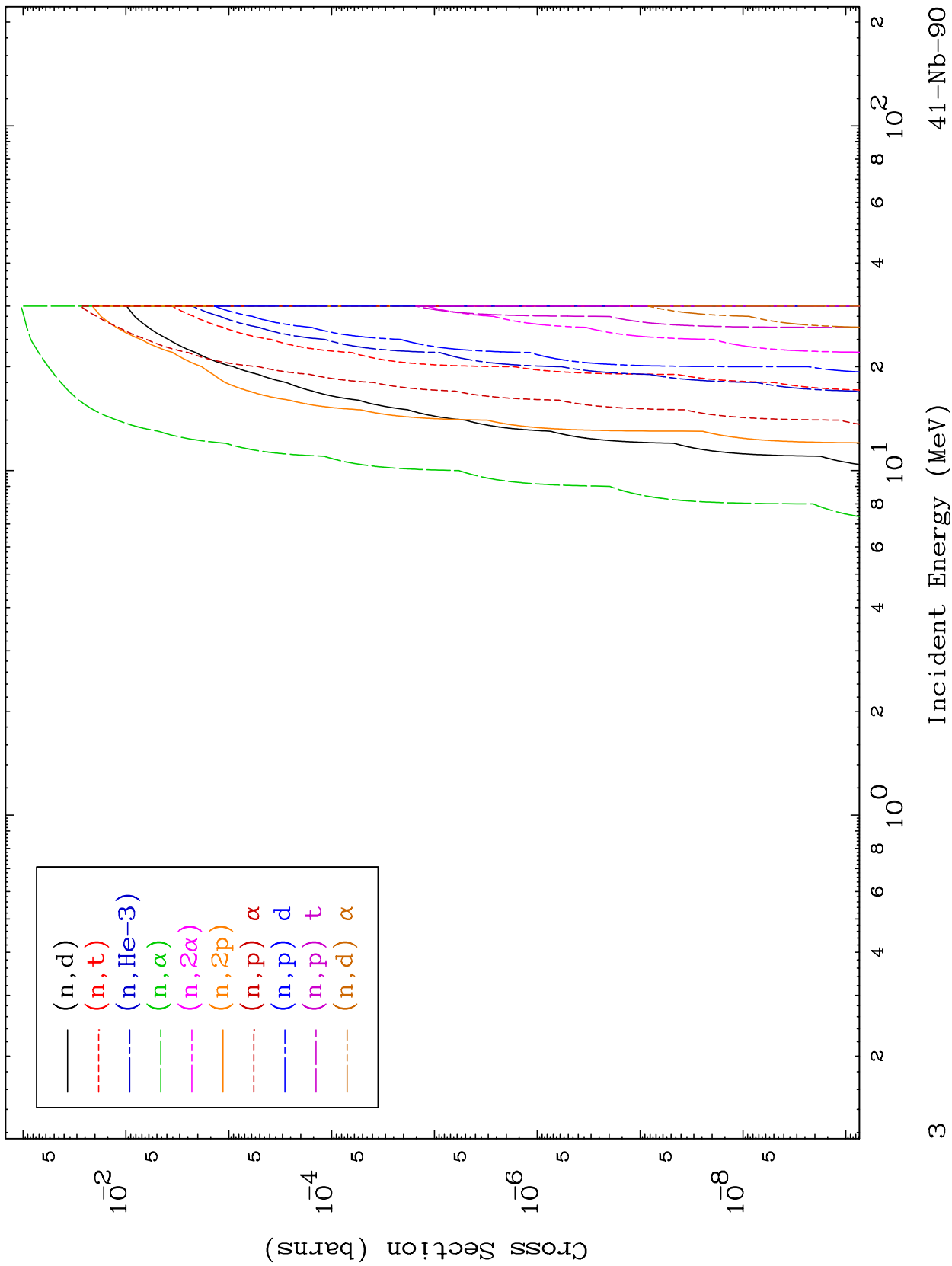


MAT 4116

α Neutron Absorption

41-Nb-90

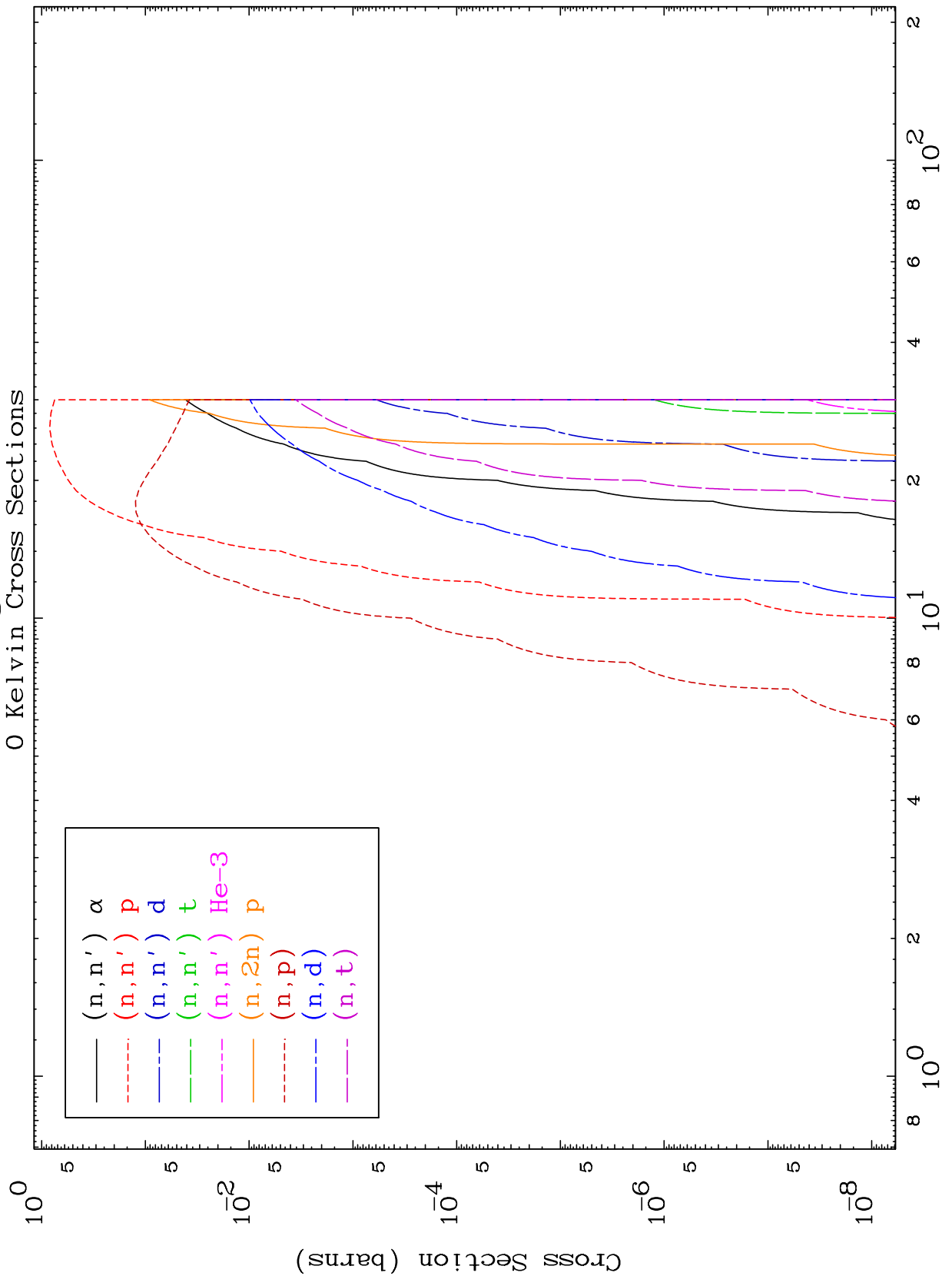
0 Kelvin Cross Sections



MAT 4116

α Charged Particle
0 Kelvin Cross Sections

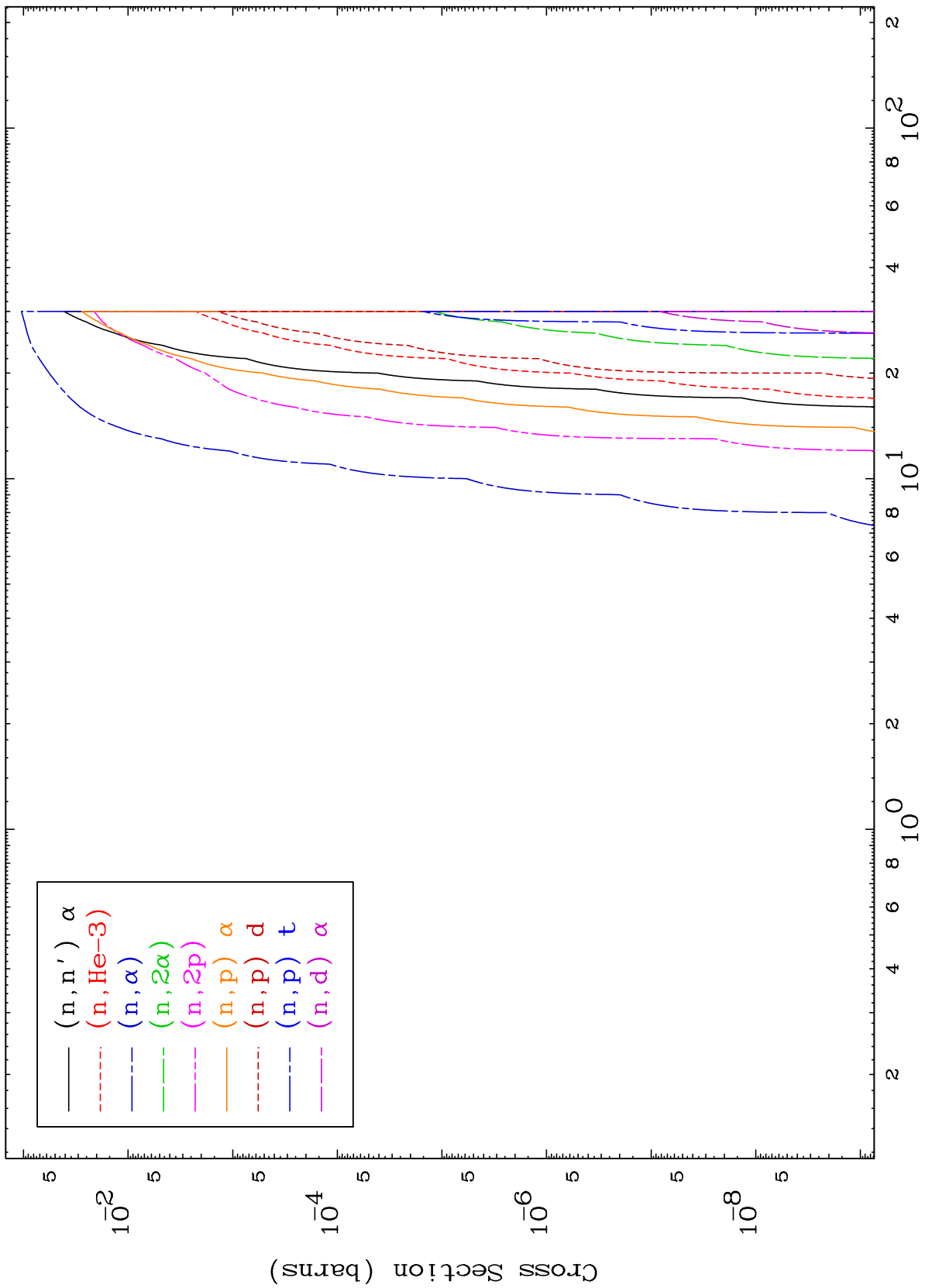
41-Nb-90



4

Incident Energy (MeV)

41-Nb-90

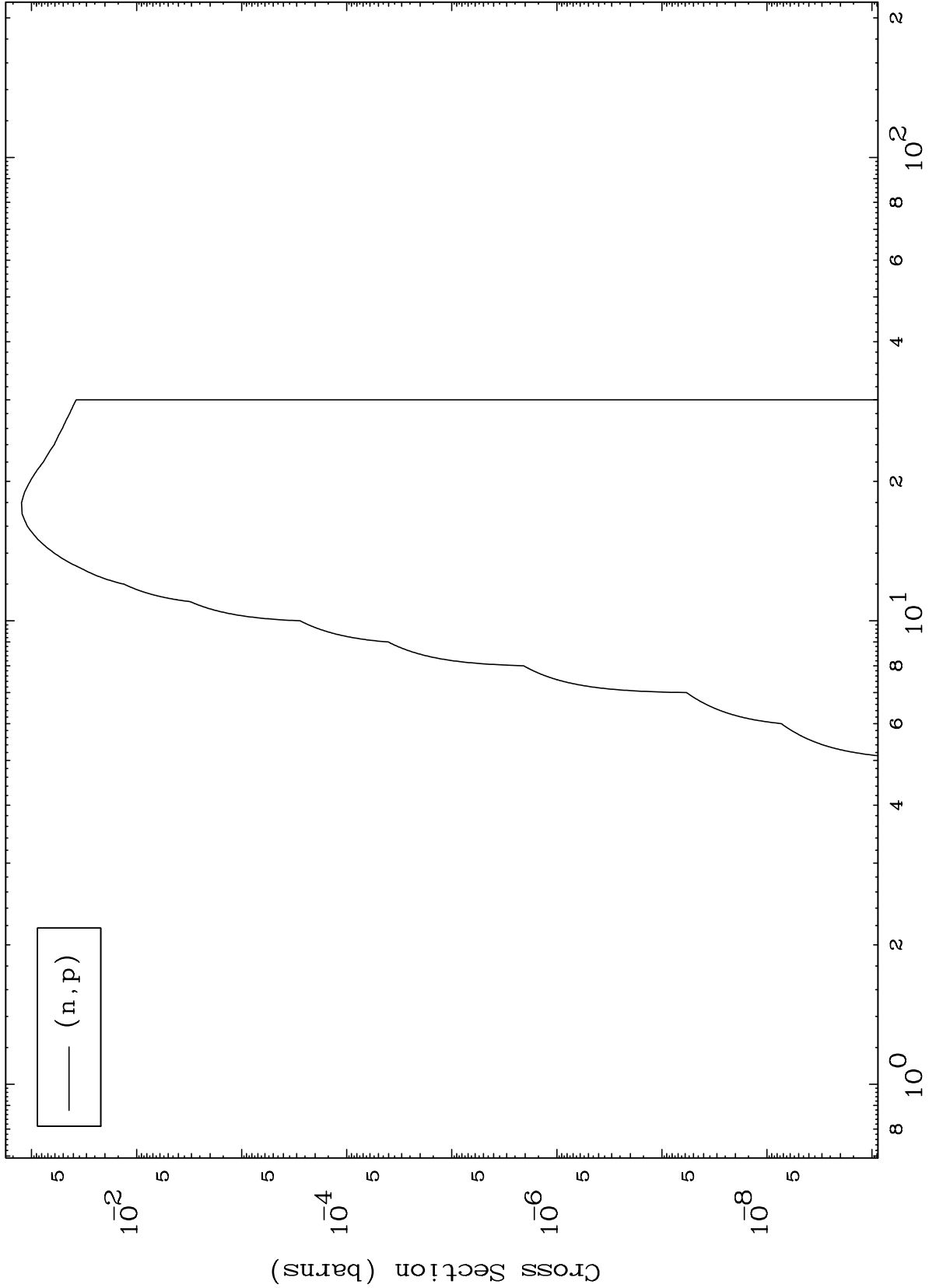


MAT 4116

(α, p) Levels

41-Nb-90

0 Kelvin Cross Sections



6

Incident Energy (MeV)

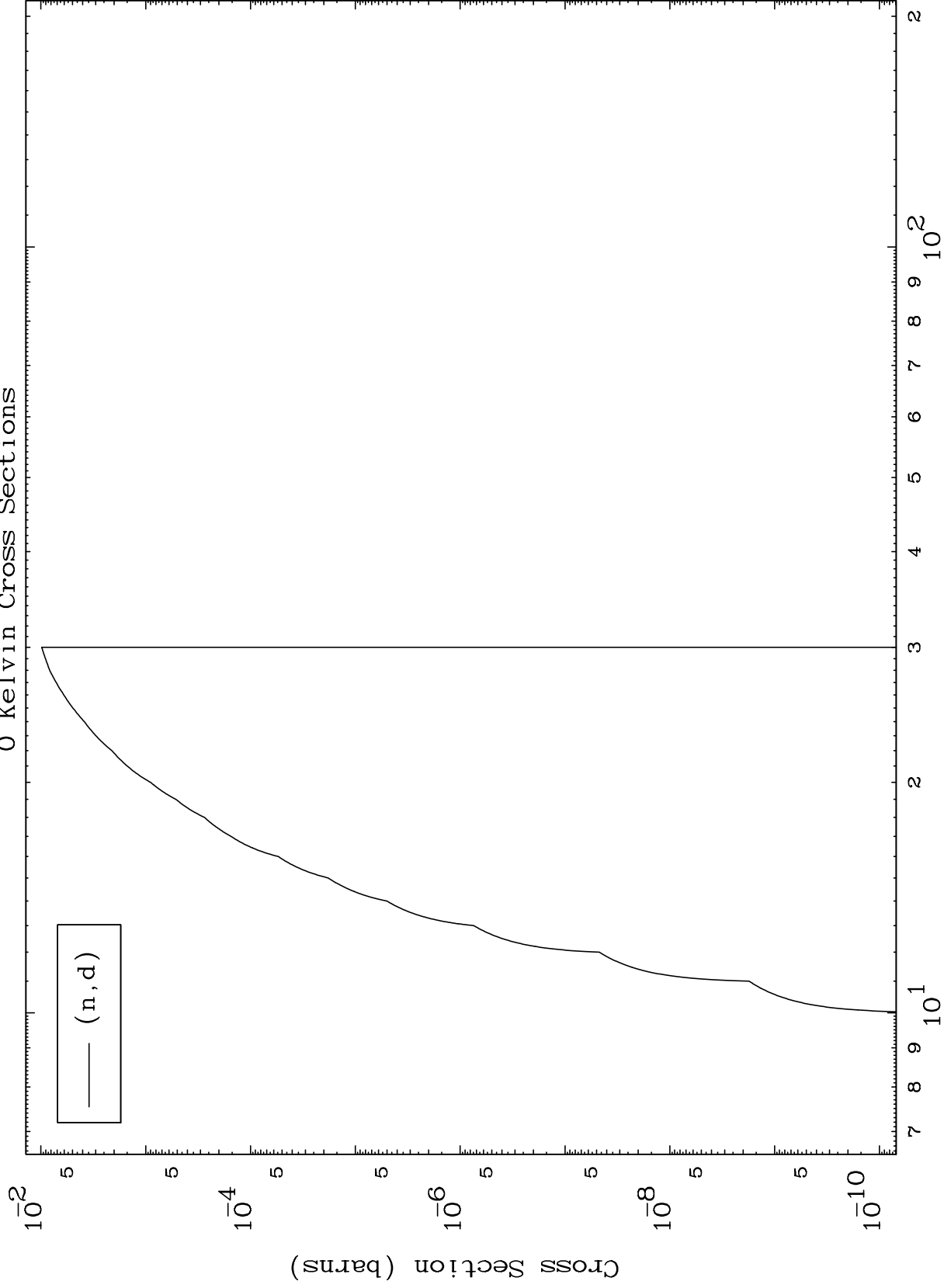
41-Nb-90

MAT 4116

(α, d) Levels

41-Nb-90

0 Kelvin Cross Sections



7

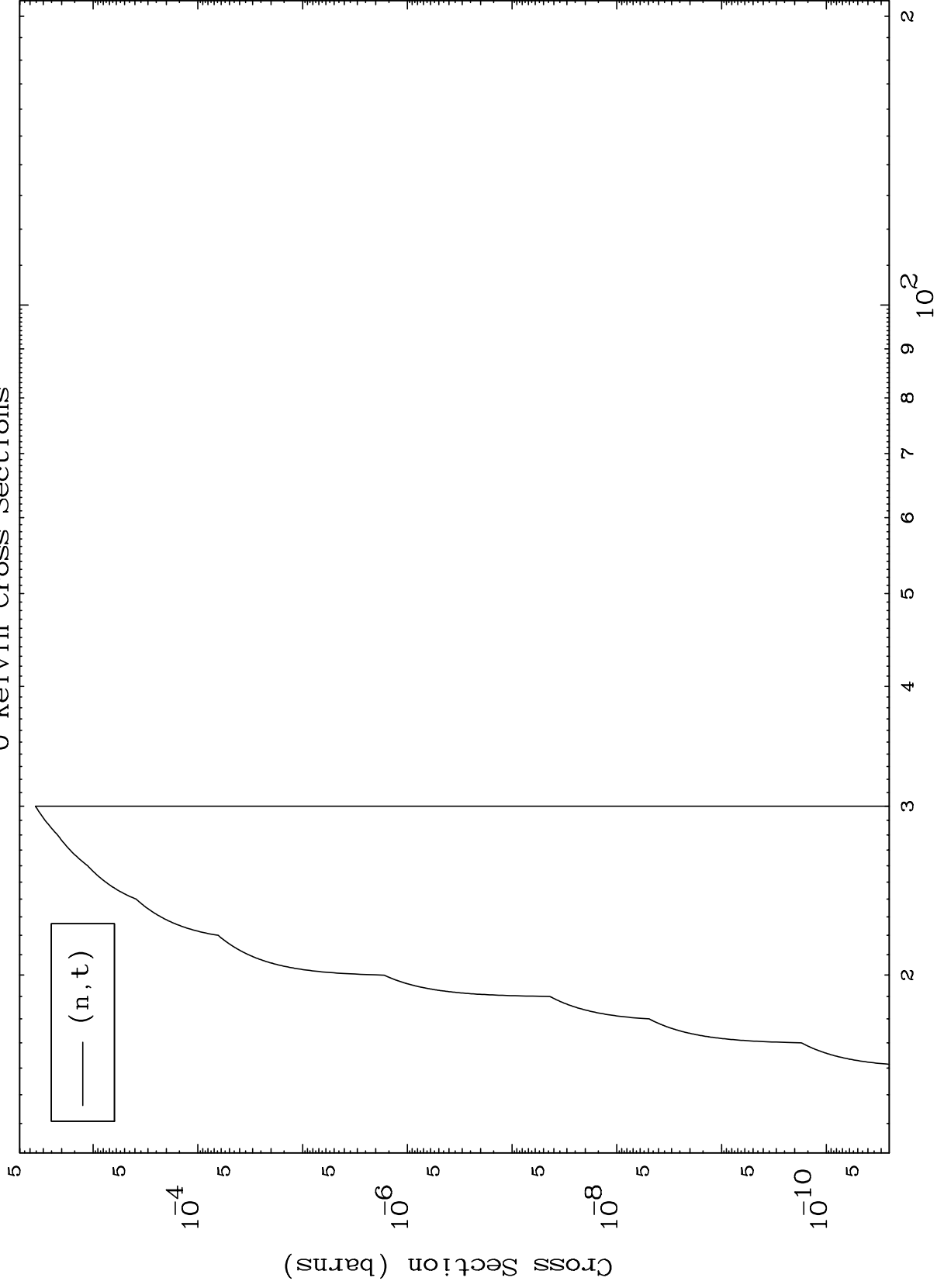
Incident Energy (MeV)

41-Nb-90

MAT 41116

(α, t) Levels
0 Kelvin Cross Sections

41-Nb-90



8

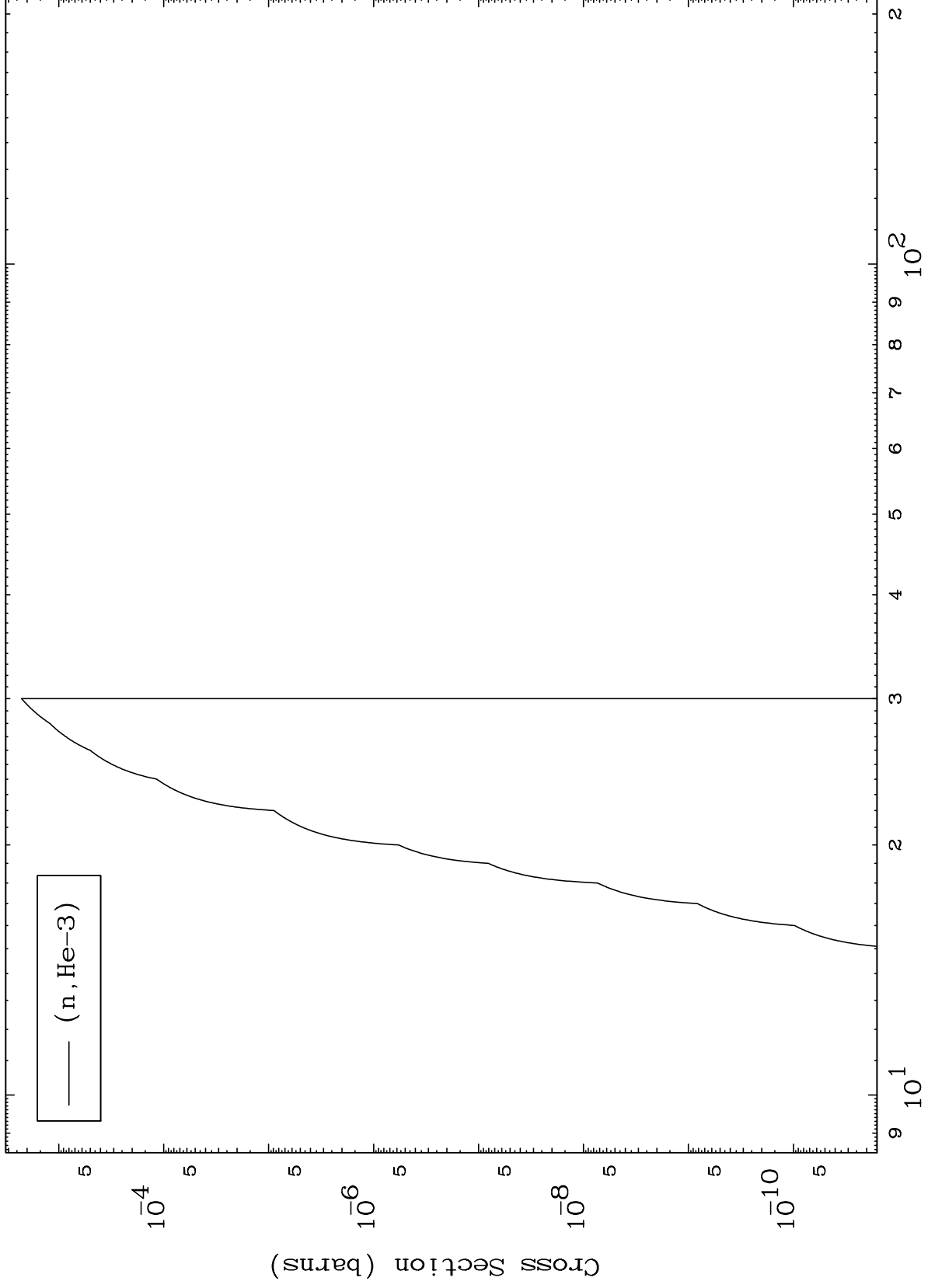
Incident Energy (MeV)

41-Nb-90

MAT 41116

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

41-Nb-90



9

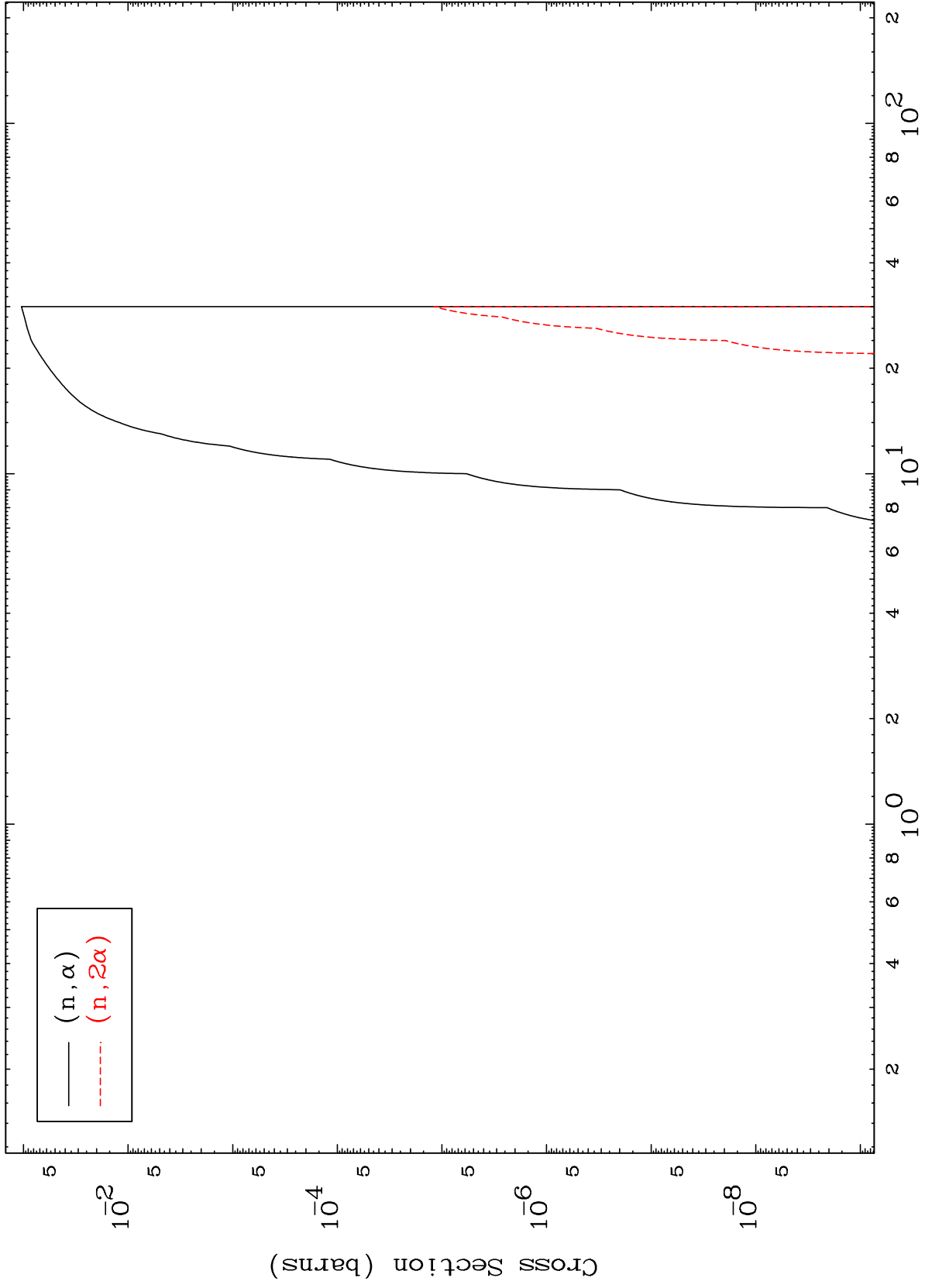
Incident Energy (MeV)

41-Nb-90

MAT 4116

(α, α) Levels
0 Kelvin Cross Sections

41-Nb-90



10

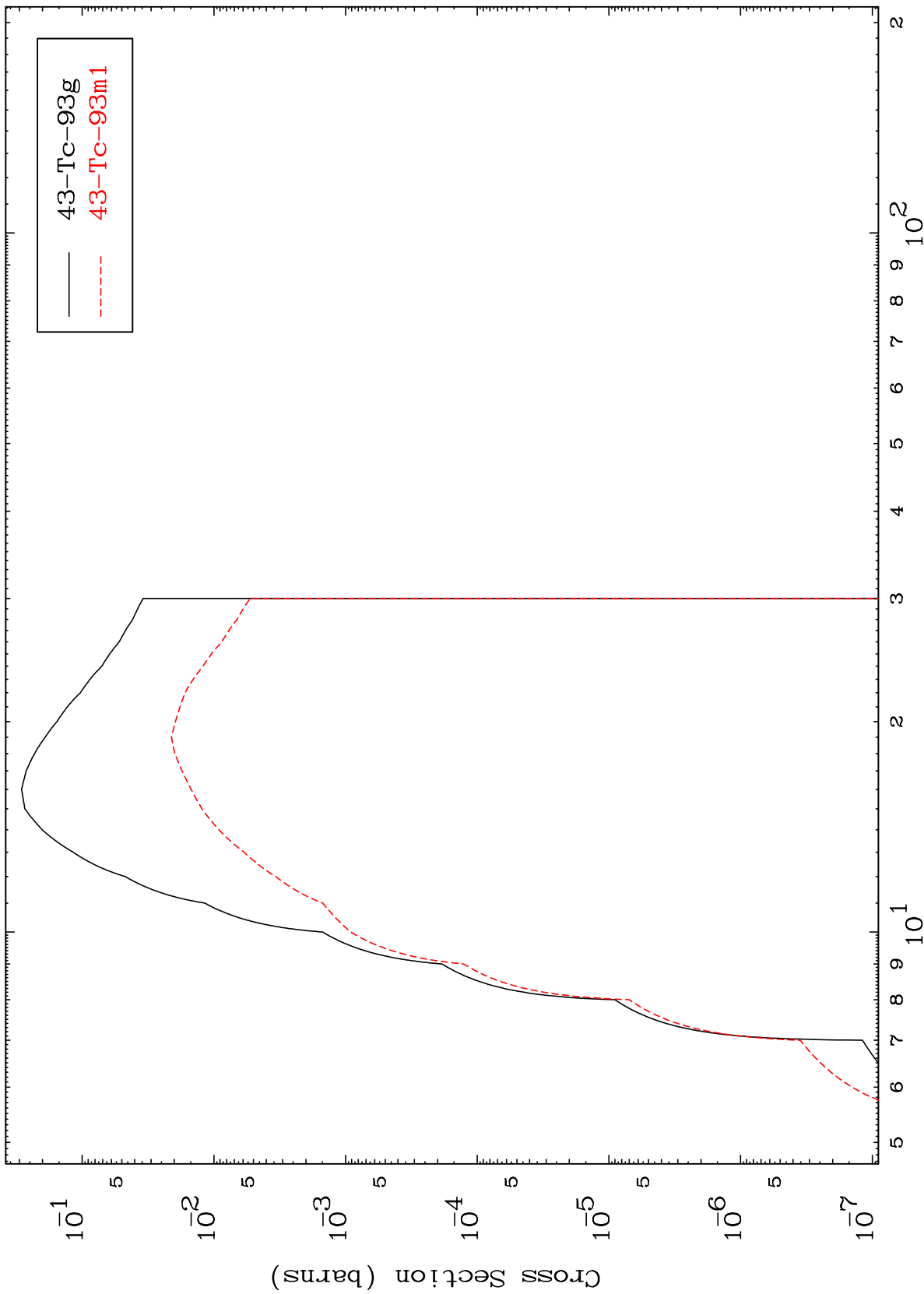
Incident Energy (MeV)

41-Nb-90

MAT 4116

41-Nb-90

Inelastic
Radionuclide Production Cross Section



11

Incident Energy (MeV)

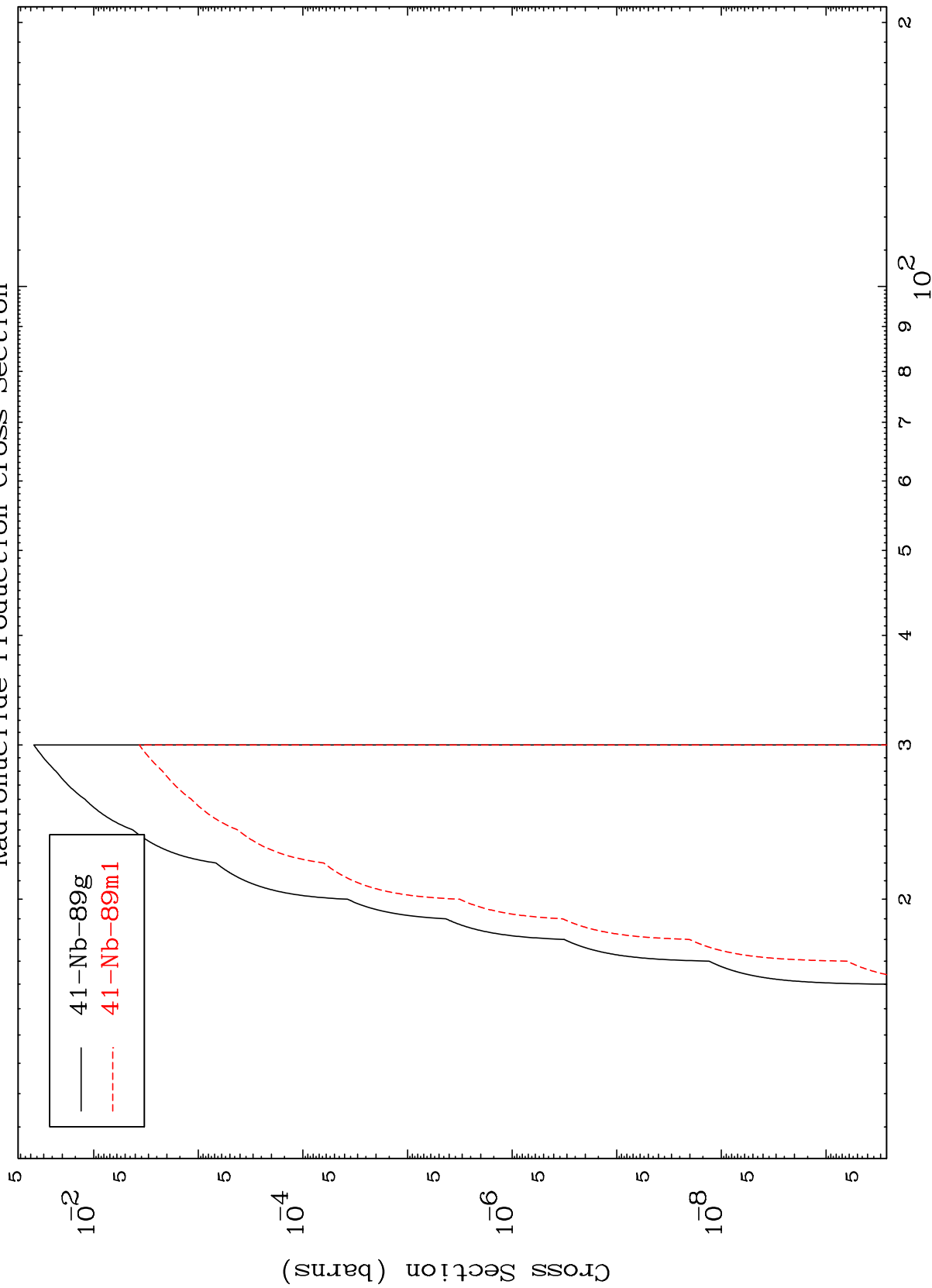
41-Nb-90

MAT 4116

$(n, n') \alpha$

41-Nb-90

Radionuclide Production Cross Section



12

Incident Energy (MeV)

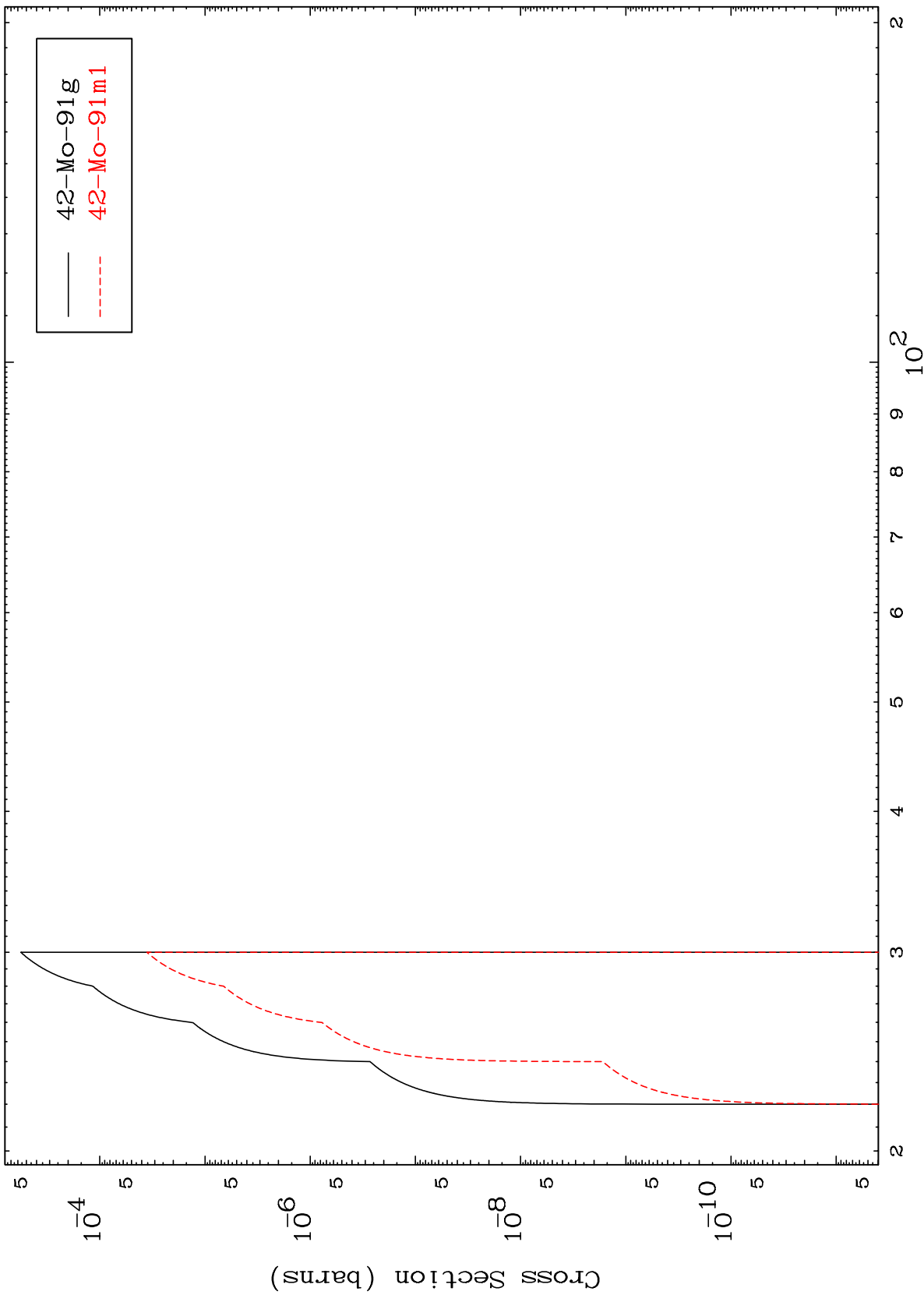
41-Nb-90

MAT 4116

(n,n') d

41-Nb-90

Radionuclide Production Cross Section



13

Incident Energy (MeV)

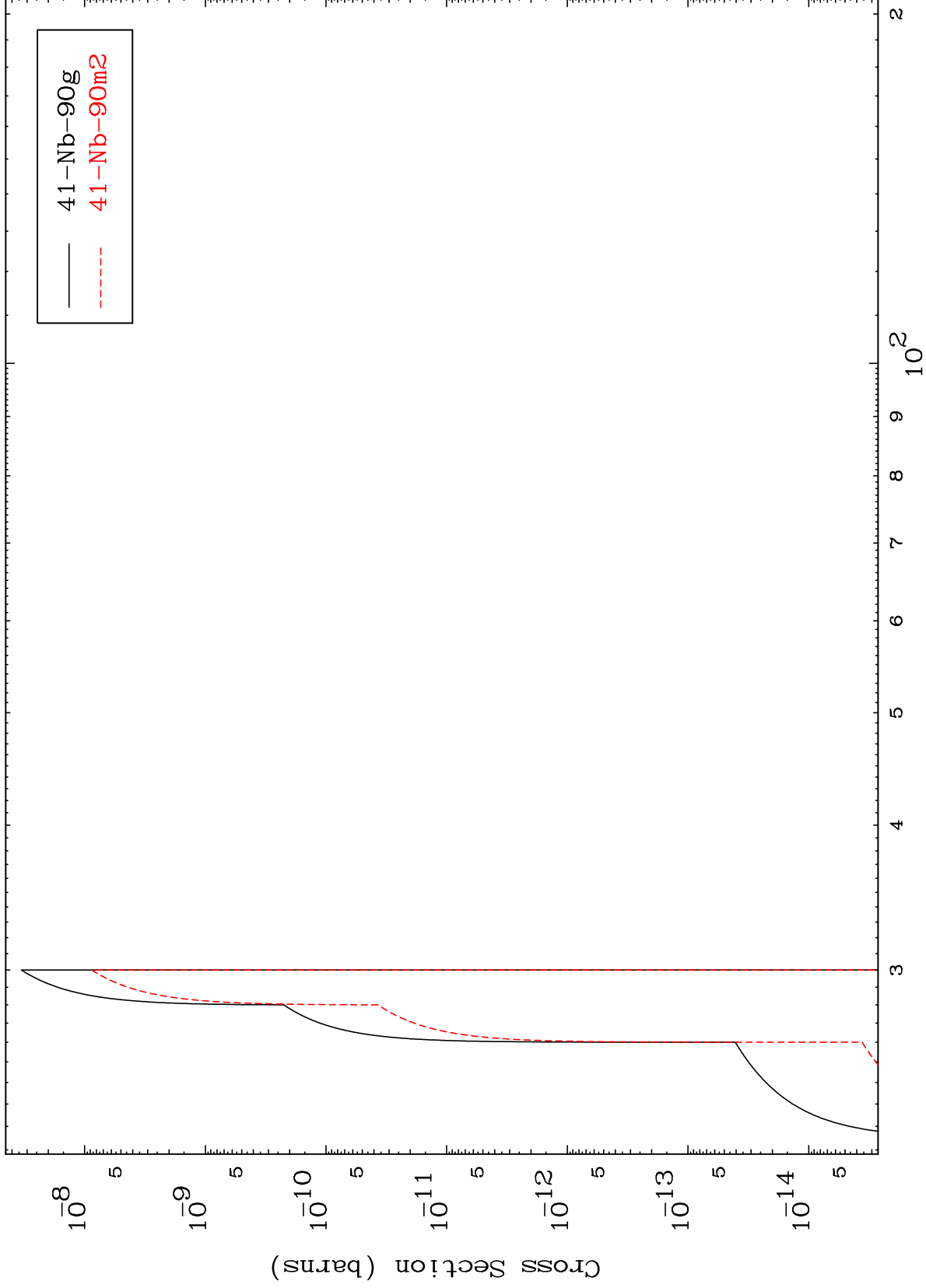
41-Nb-90

MAT 4116

(n,n') He-3

41-Nb-90

Radionuclide Production Cross Section



14

Incident Energy (MeV)

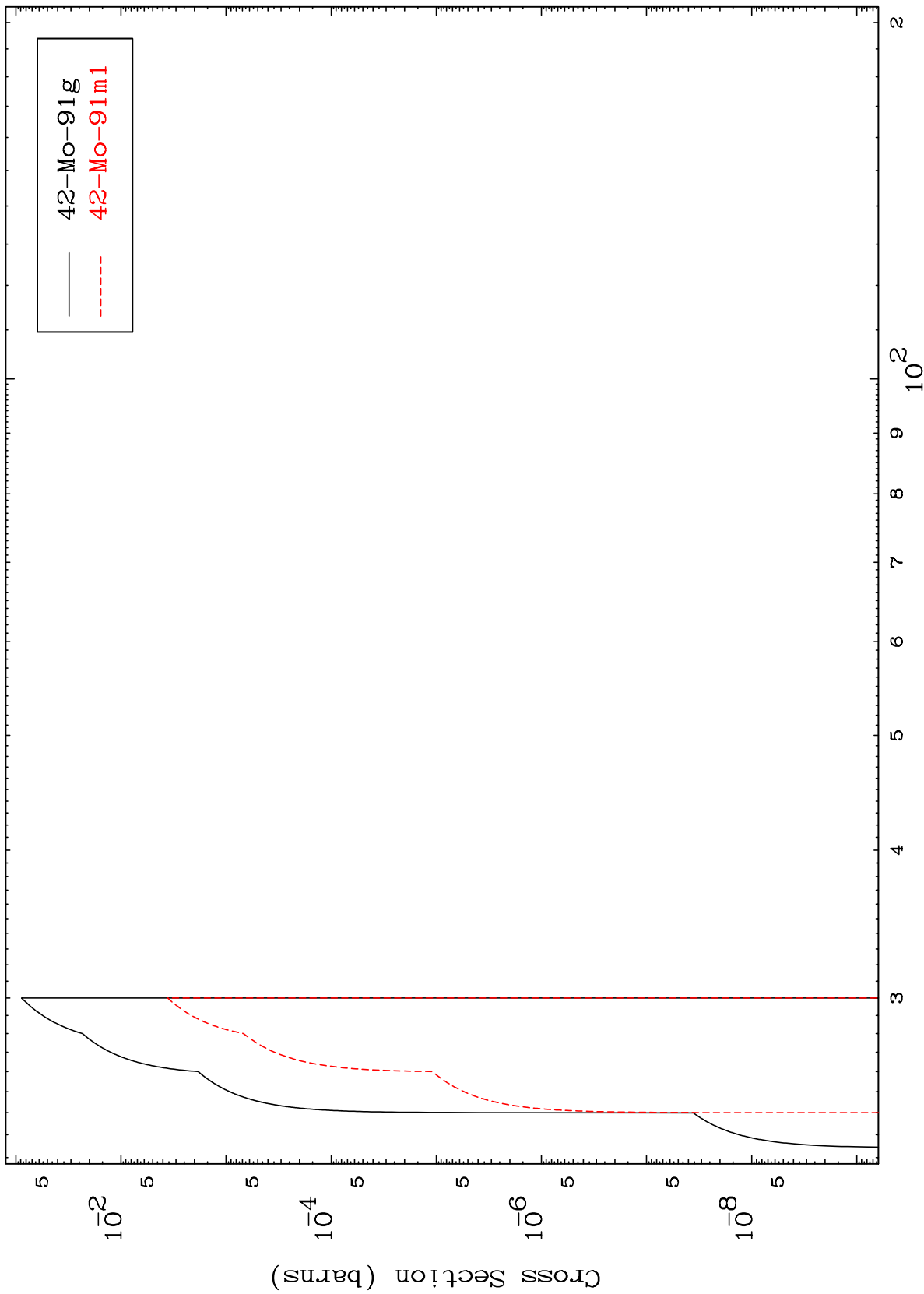
41-Nb-90

MAT 4116

(n,2n) p

41-Nb-90

Radionuclide Production Cross Section



15

Incident Energy (MeV)

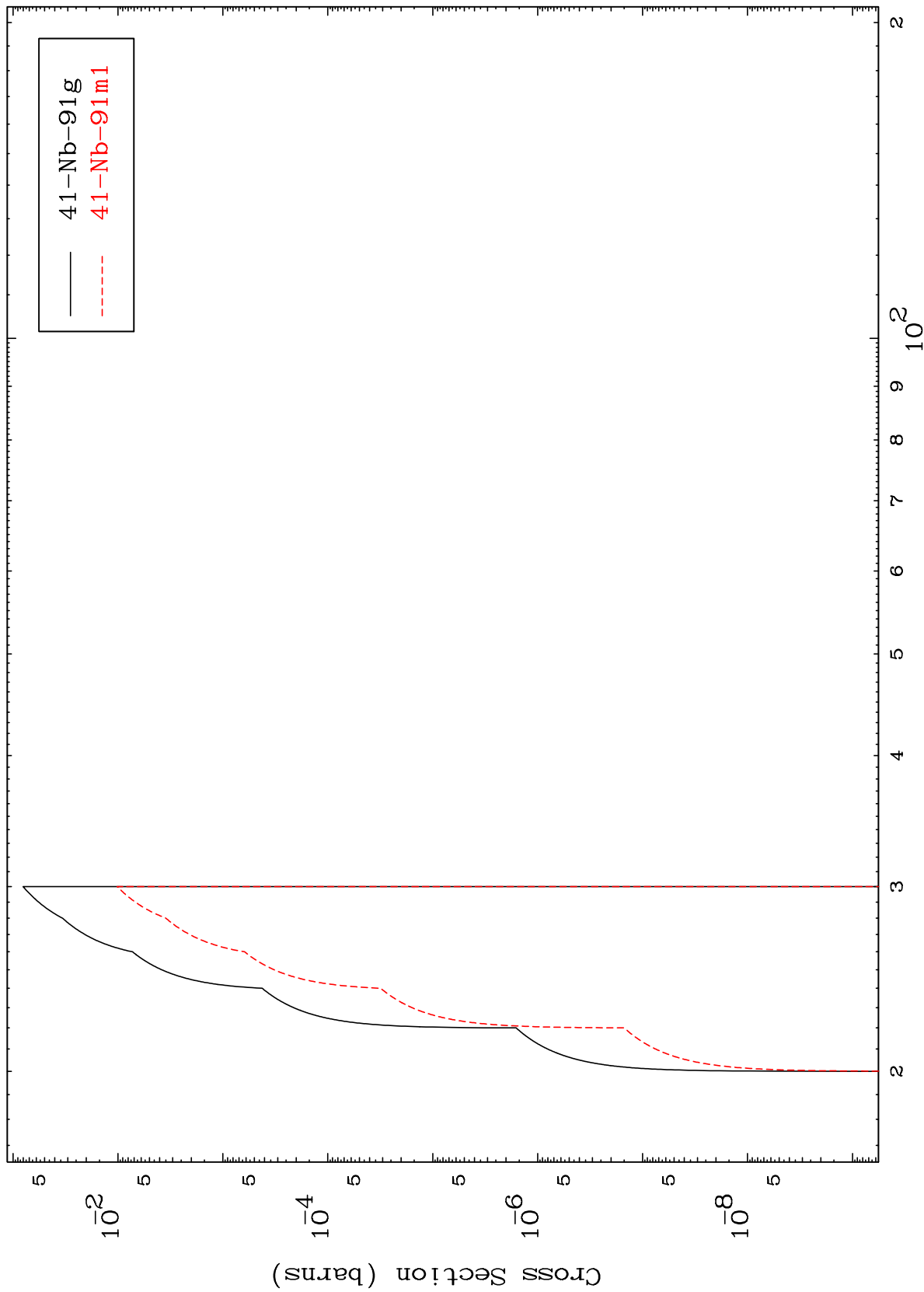
41-Nb-90

MAT 41116

(n,2n) p

41-Nb-90

Radionuclide Production Cross Section



16

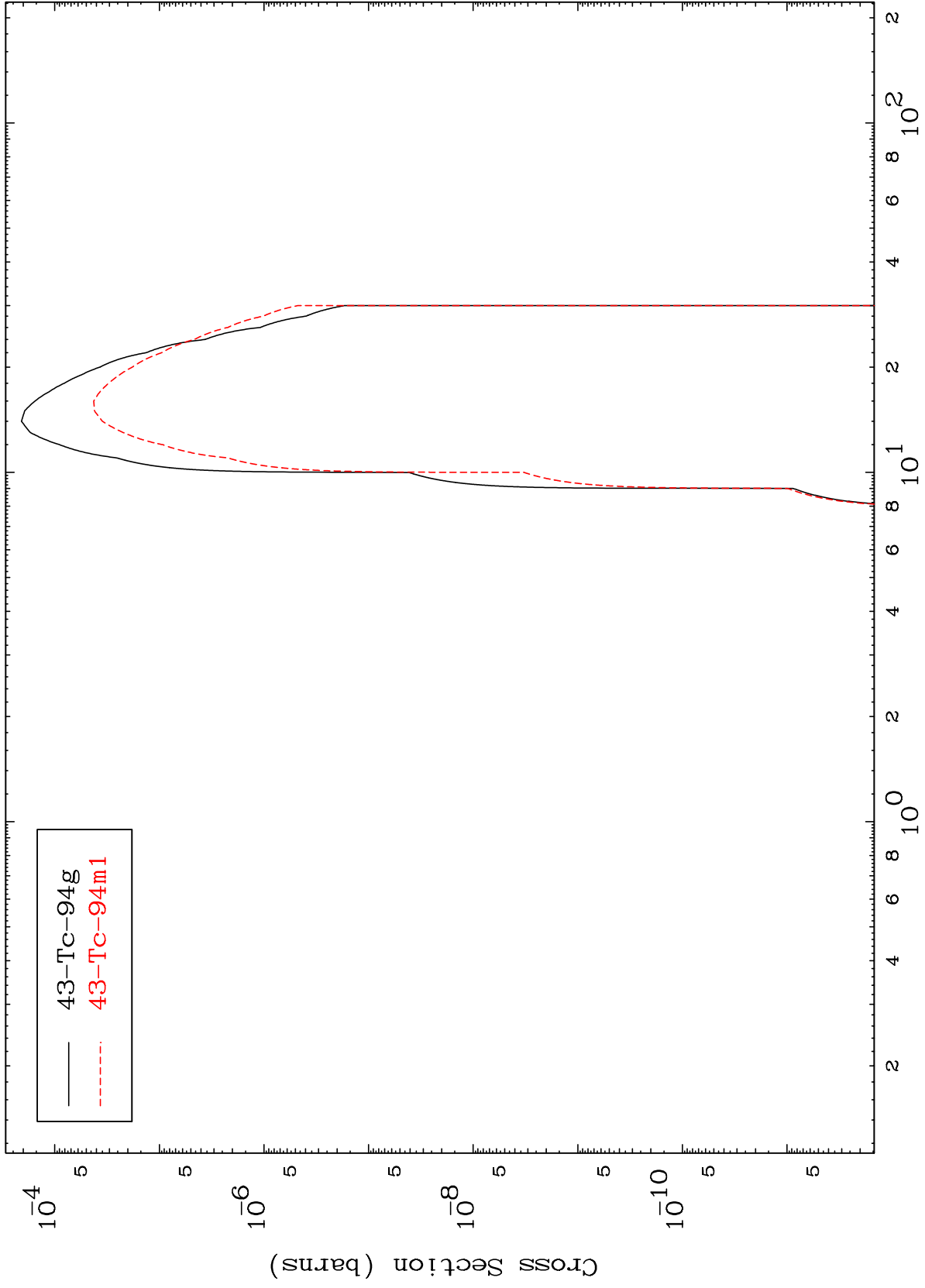
Incident Energy (MeV)

41-Nb-90

MAT 41116

41-Nb-90

(n, γ)
Radionuclide Production Cross Section



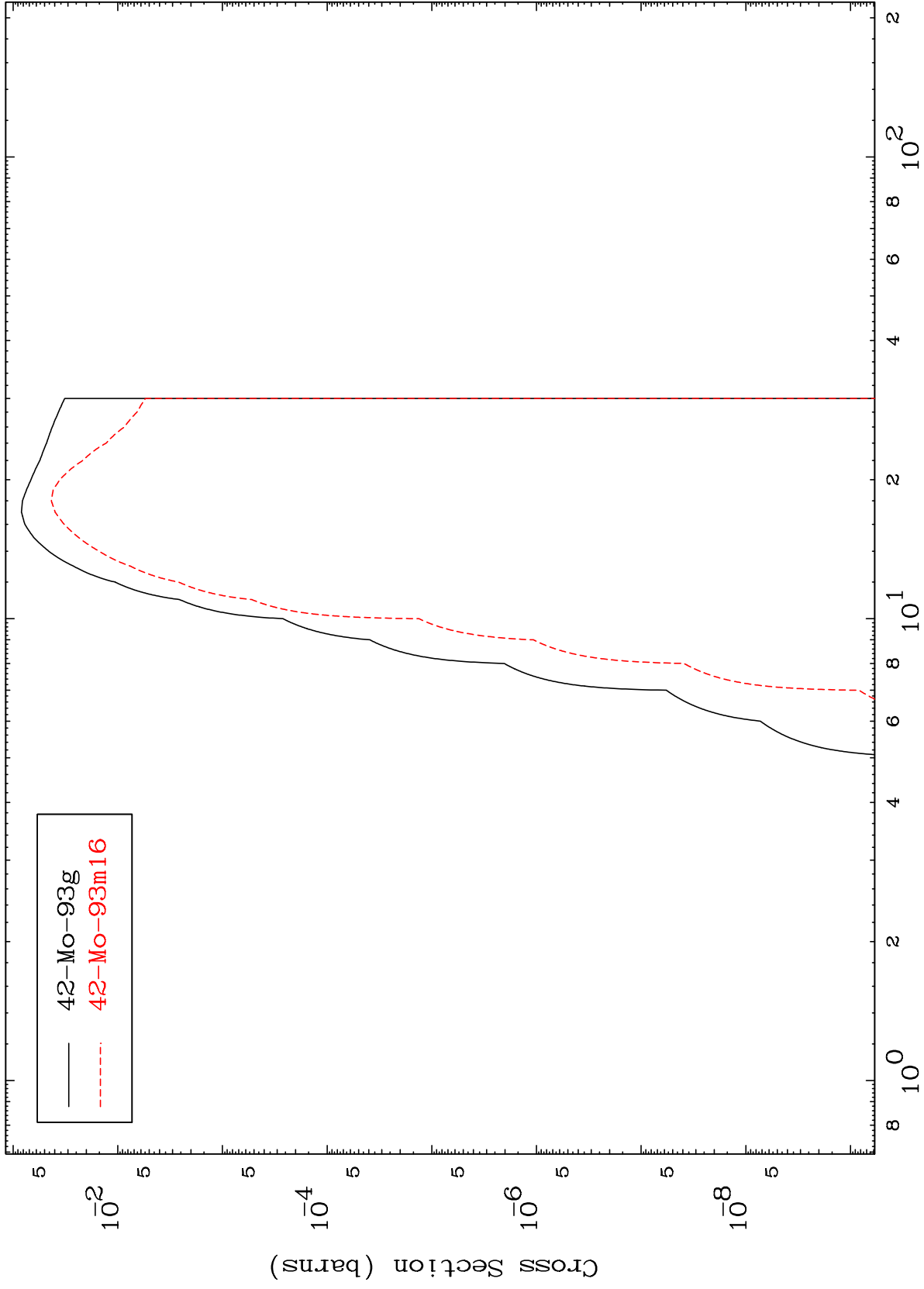
17

41-Nb-90

MAT 4116

41-Nb-90

(n,p)
Radionuclide Production Cross Section



41-Nb-90

Incident Energy (MeV)

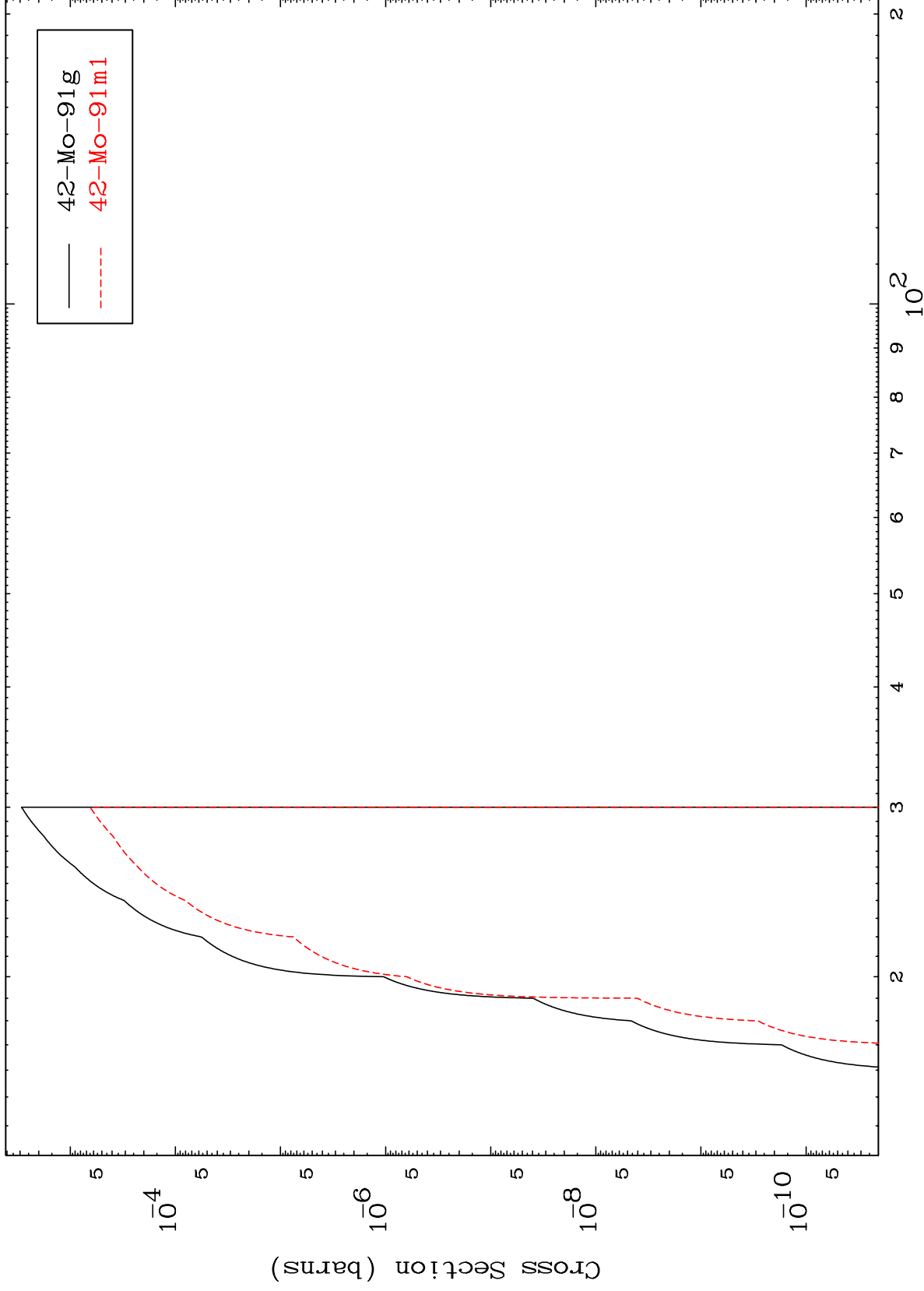
18

MAT 4116

(n, t)

41-Nb-90

Radionuclide Production Cross Section



19

Incident Energy (MeV)

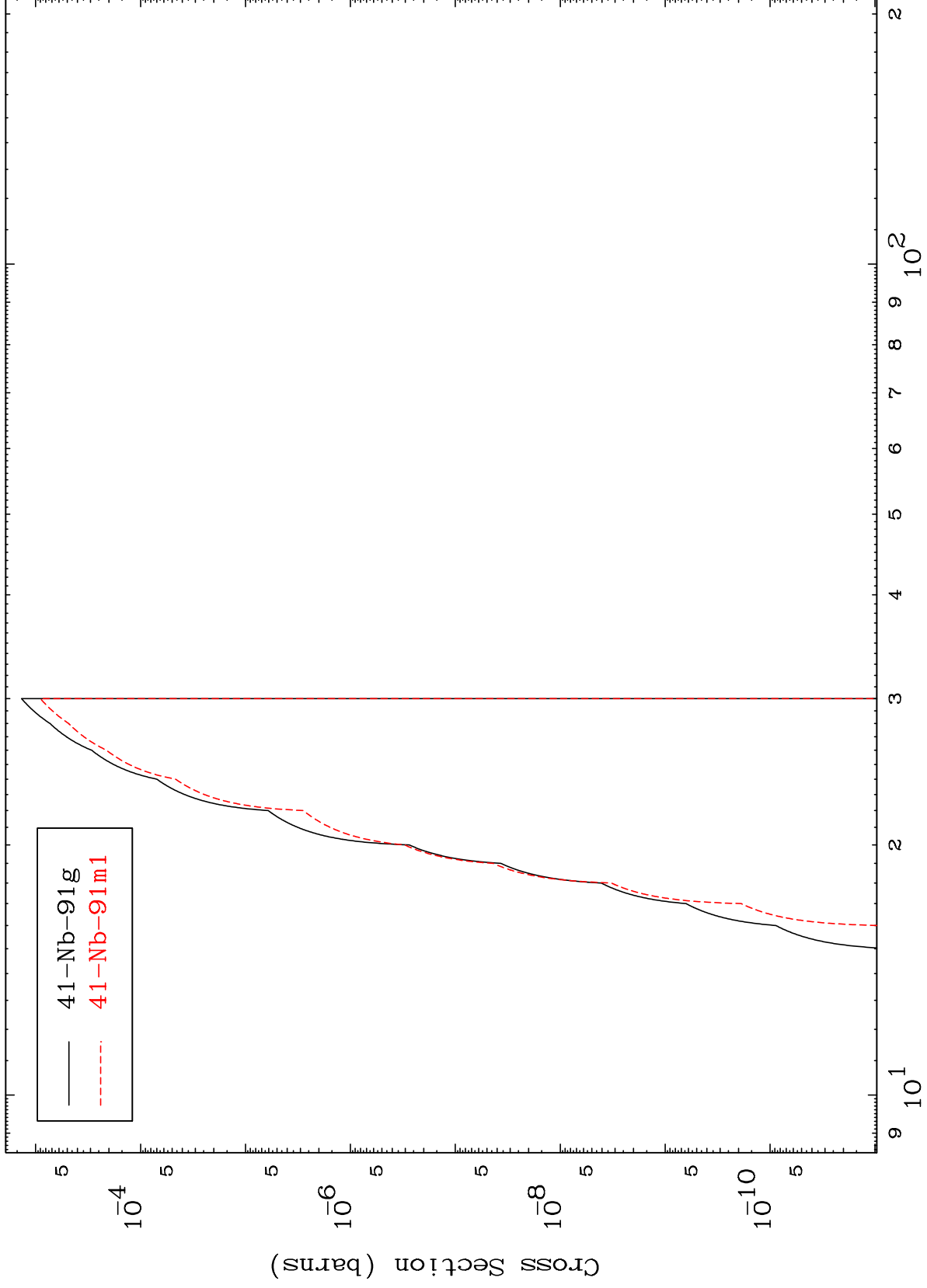
41-Nb-90

MAT 41116

(n,He-3)

41-Nb-90

Radionuclide Production Cross Section



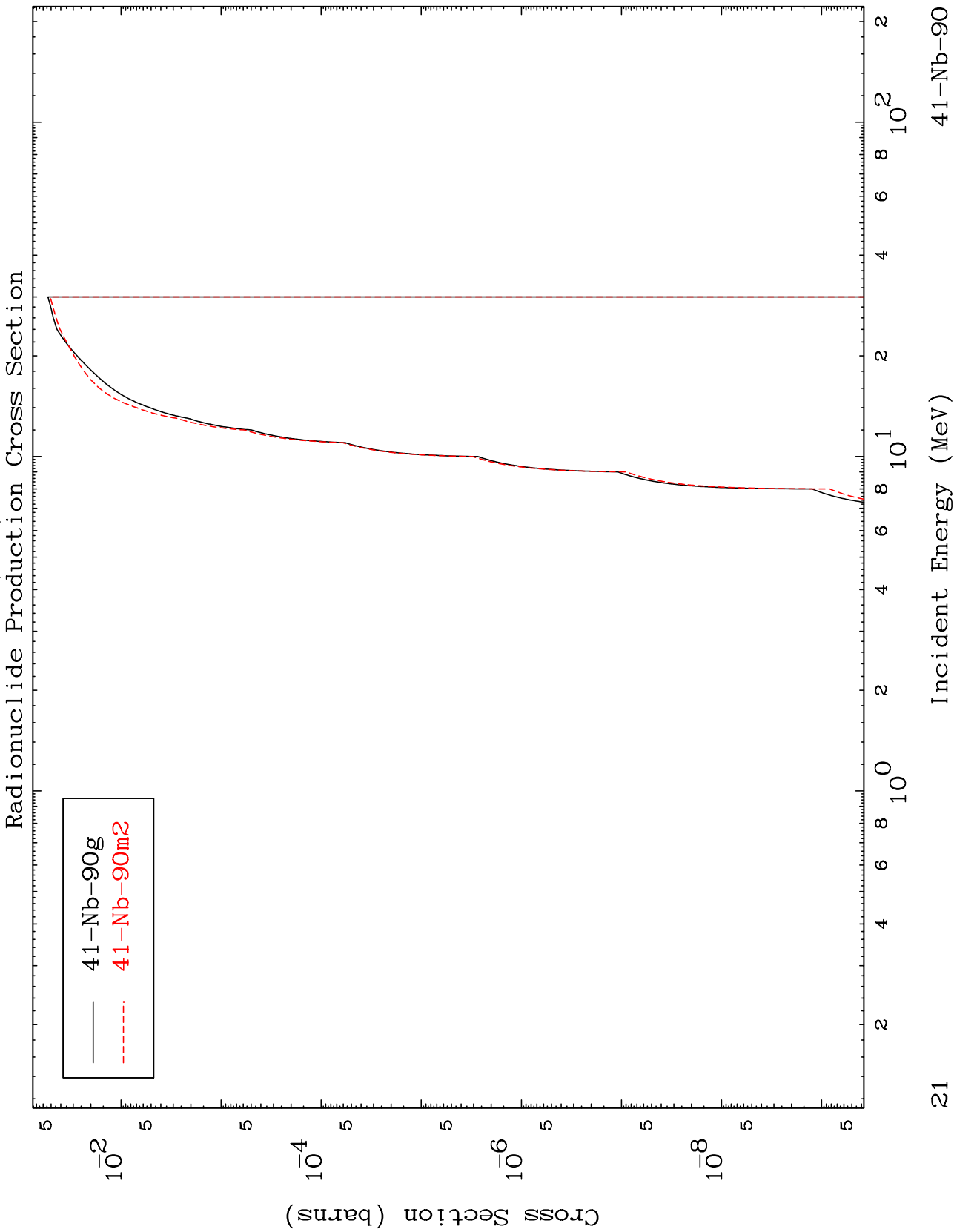
Incident Energy (MeV)

41-Nb-90

20

MAT 4116

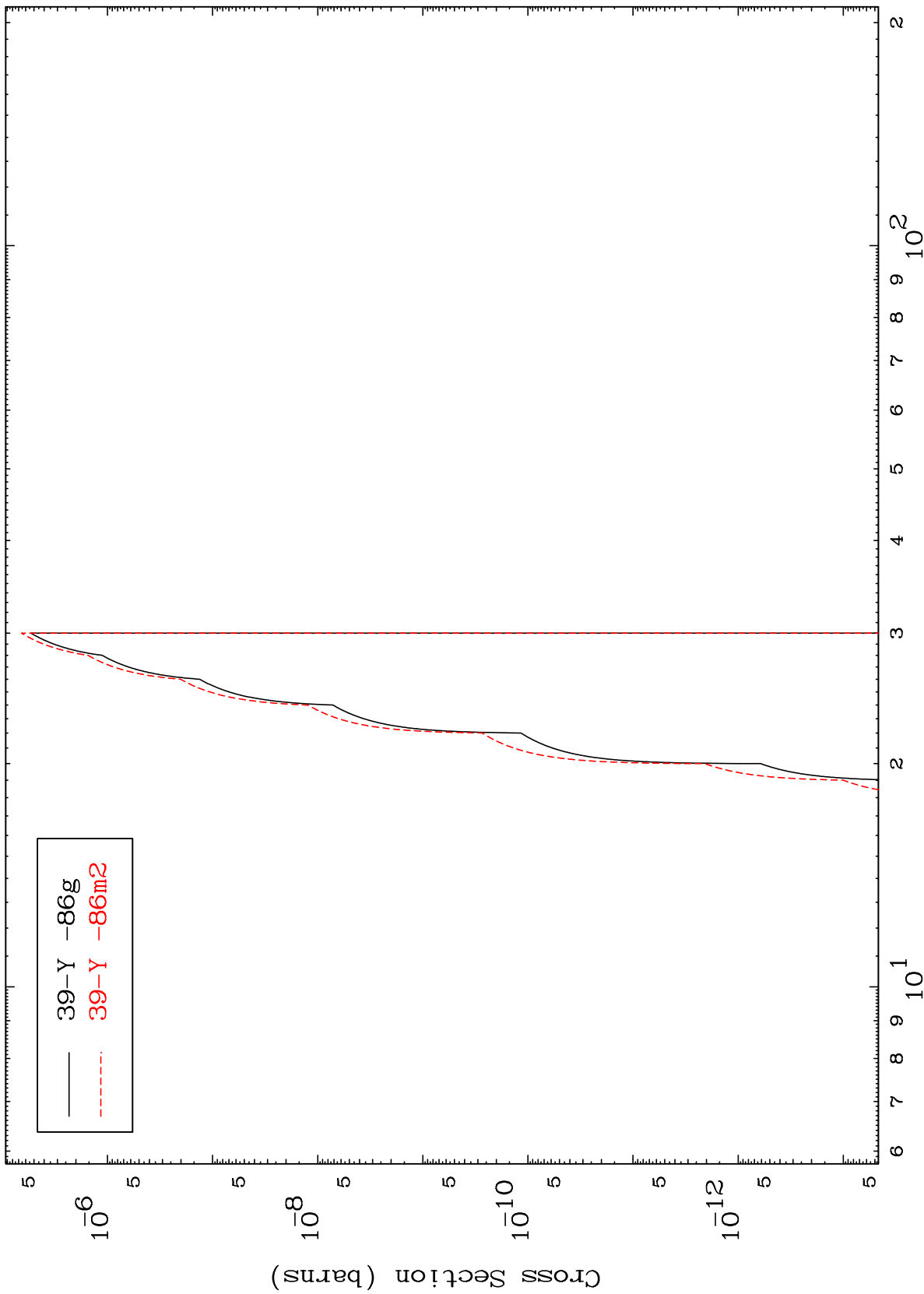
41-Nb-90



MAT 4116

41-Nb-90

(n,2α)
Radionuclide Production Cross Section



41-Nb-90

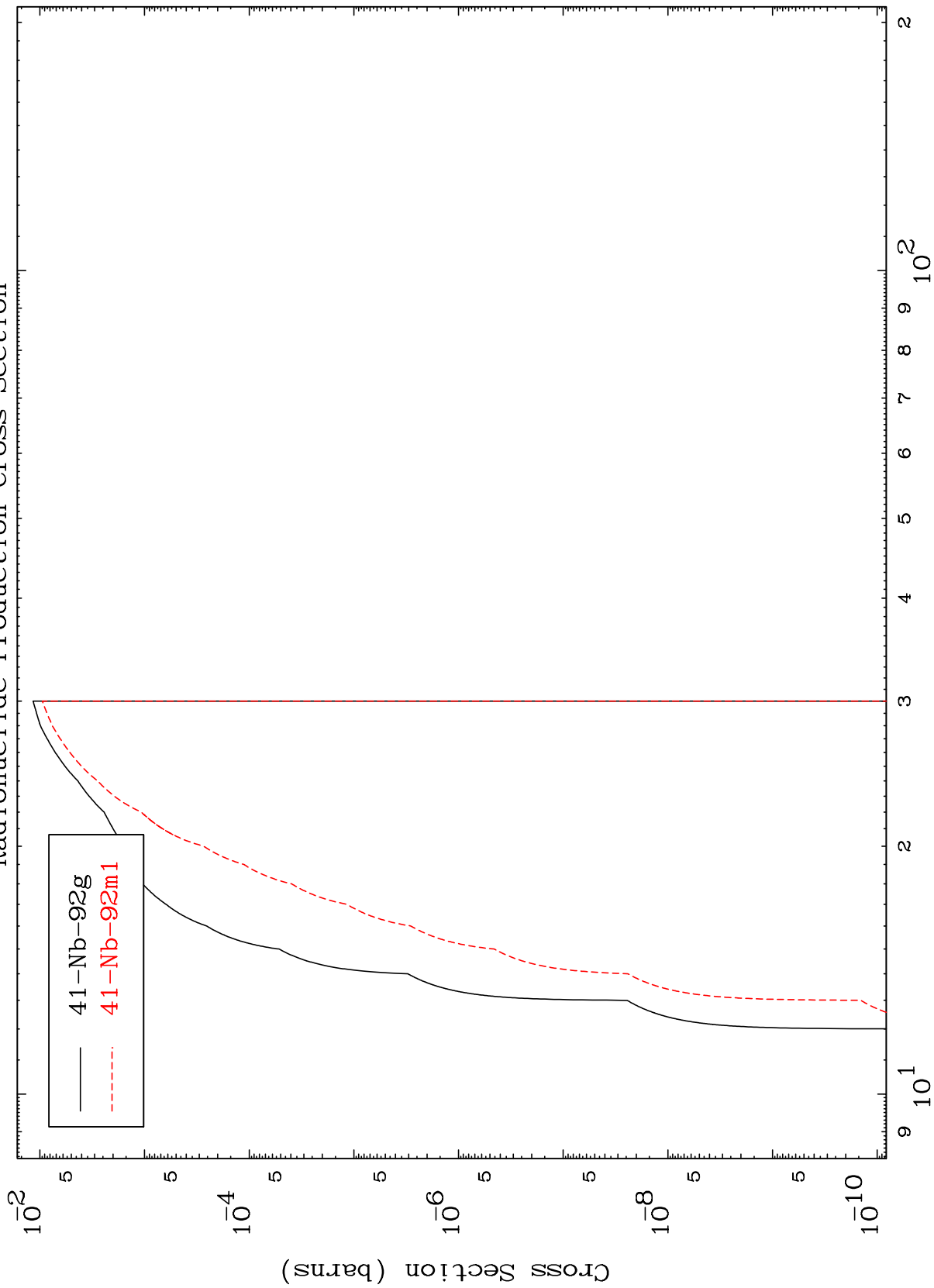
Incident Energy (MeV)

22

MAT 4116

41-Nb-90

(n,2p)
Radionuclide Production Cross Section



41-Nb-92g
41-Nb-92m1

41-Nb-90

Incident Energy (MeV)

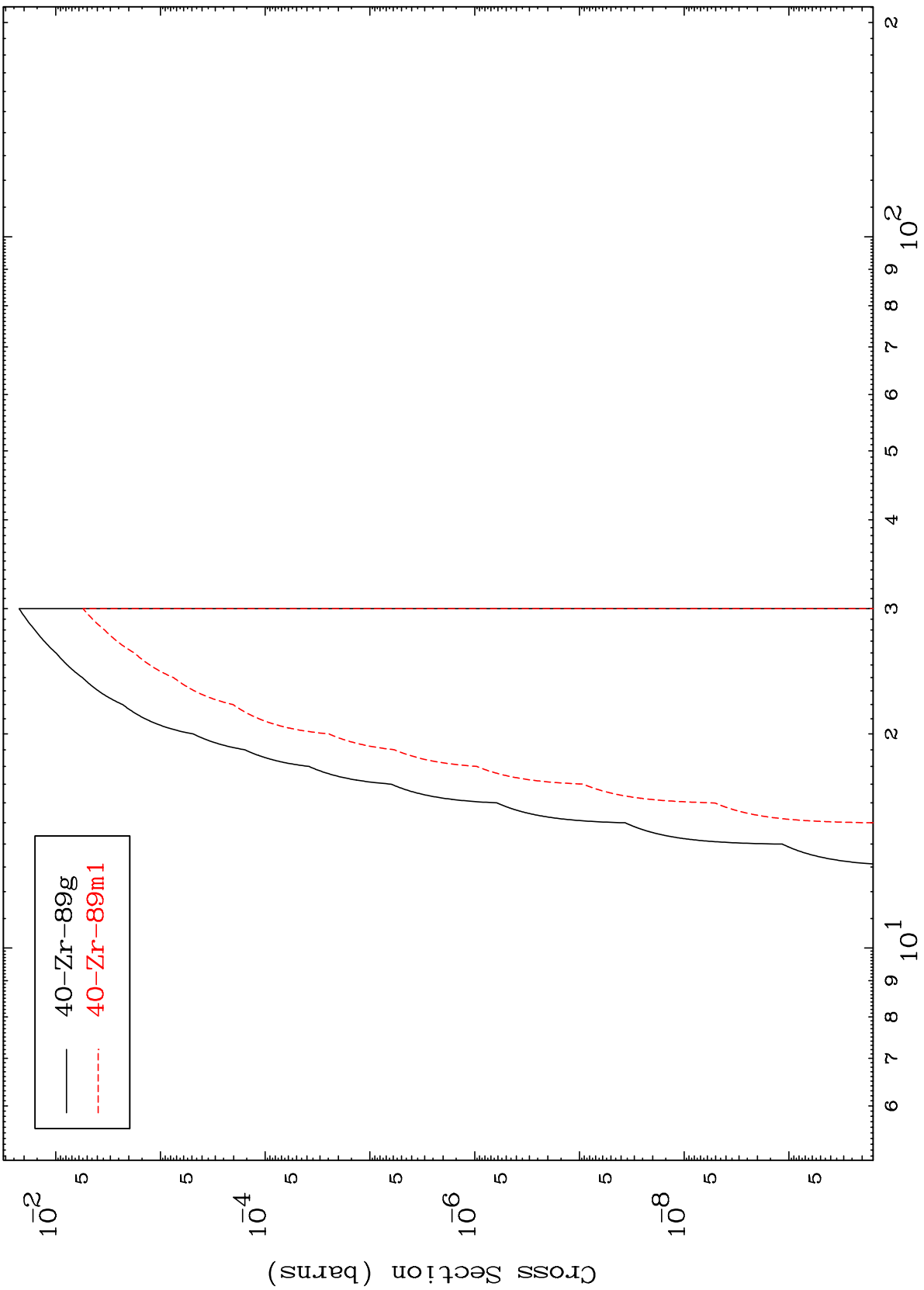
23

MAT 4116

(n,p) α

41-Nb-90

Radionuclide Production Cross Section



40-Zr-89g
40-Zr-89m1

24

Incident Energy (MeV)

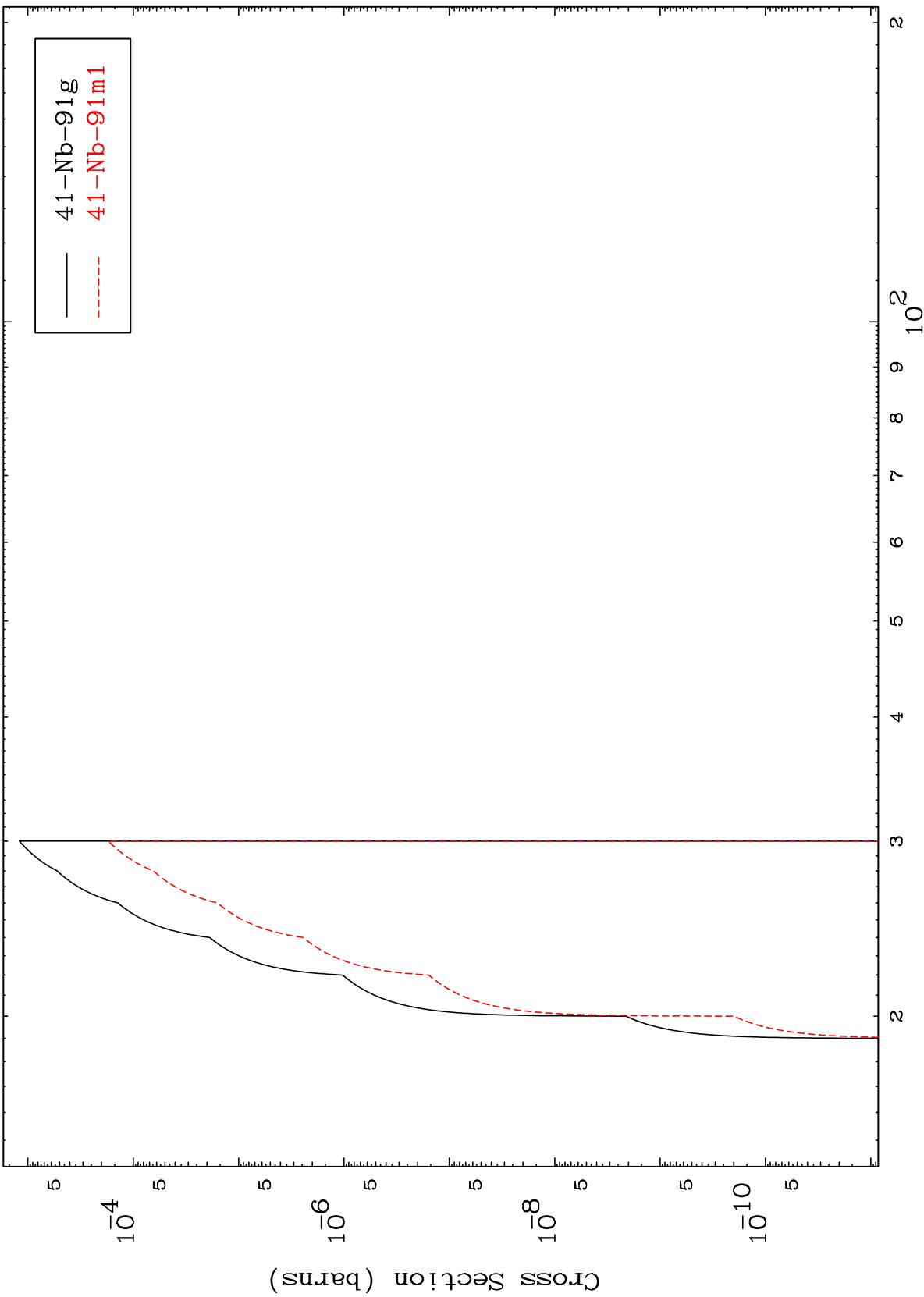
41-Nb-90

MAT 41116

(n,p) d

41-Nb-90

Radionuclide Production Cross Section



25

Incident Energy (MeV)

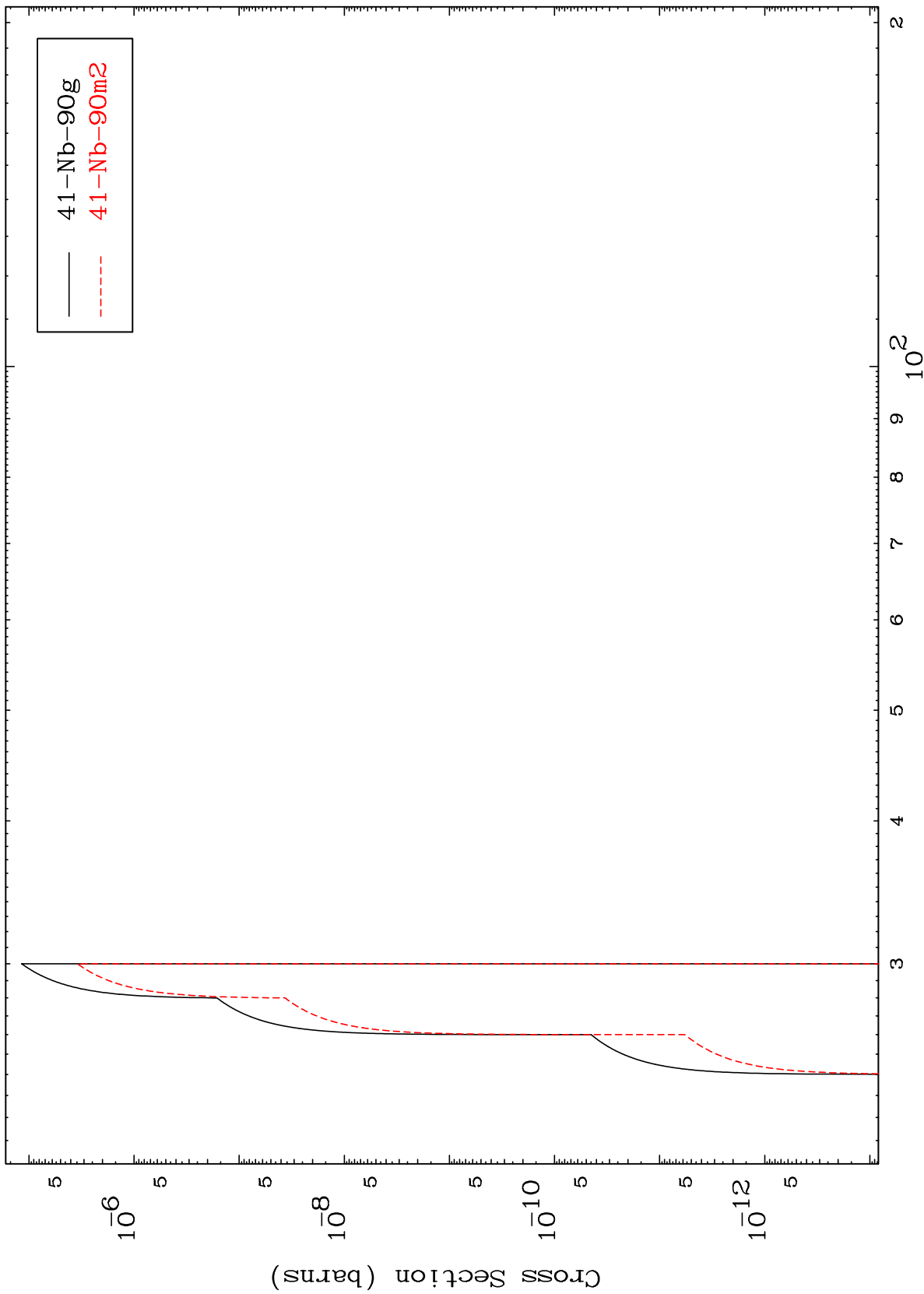
41-Nb-90

MAT 4116

(n,p) t

41-Nb-90

Radionuclide Production Cross Section



26

Incident Energy (MeV)

41-Nb-90