

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

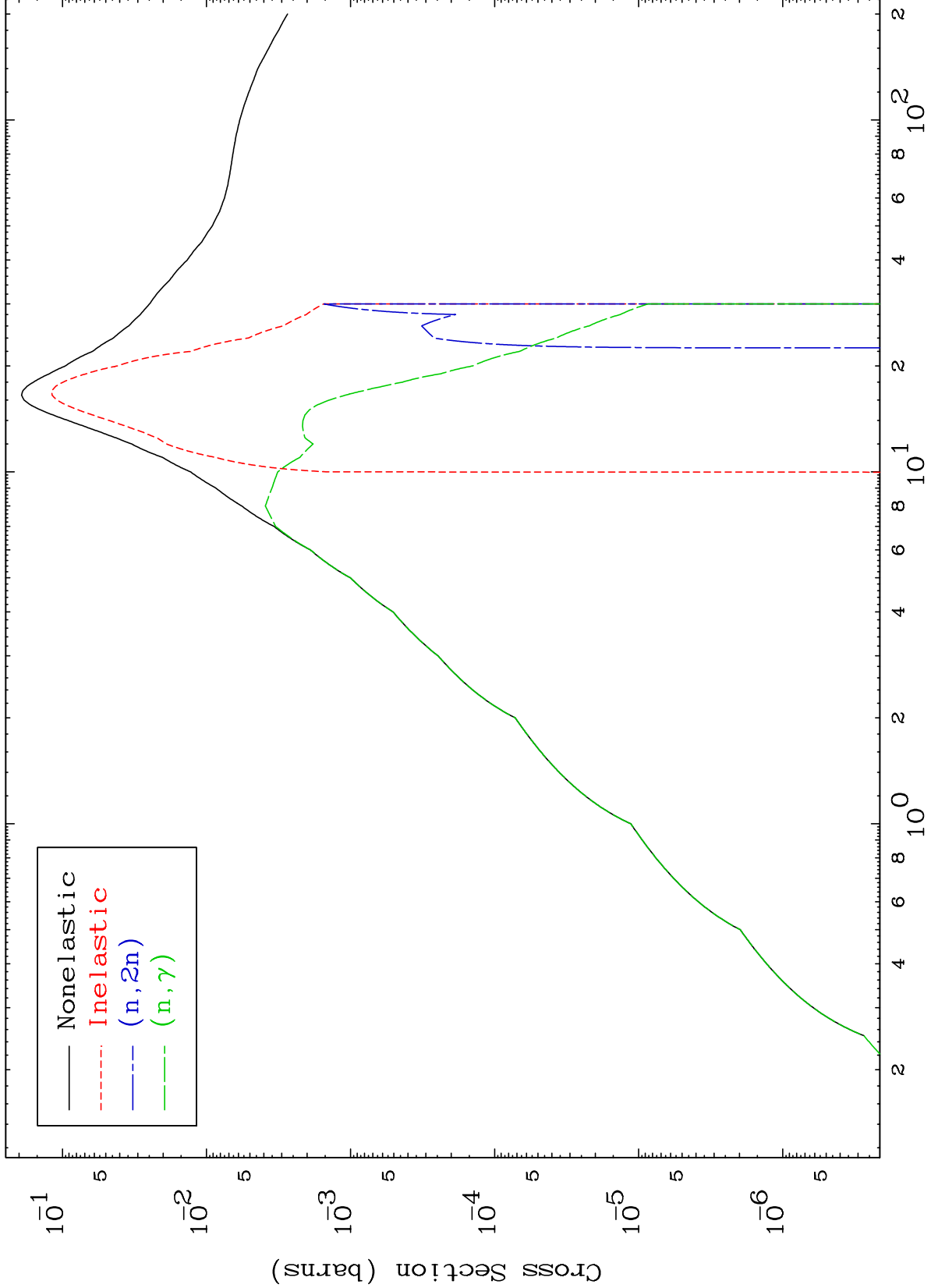
Press Mouse Button to Start

MAT 4117

Photon Major

41-Nb-90m

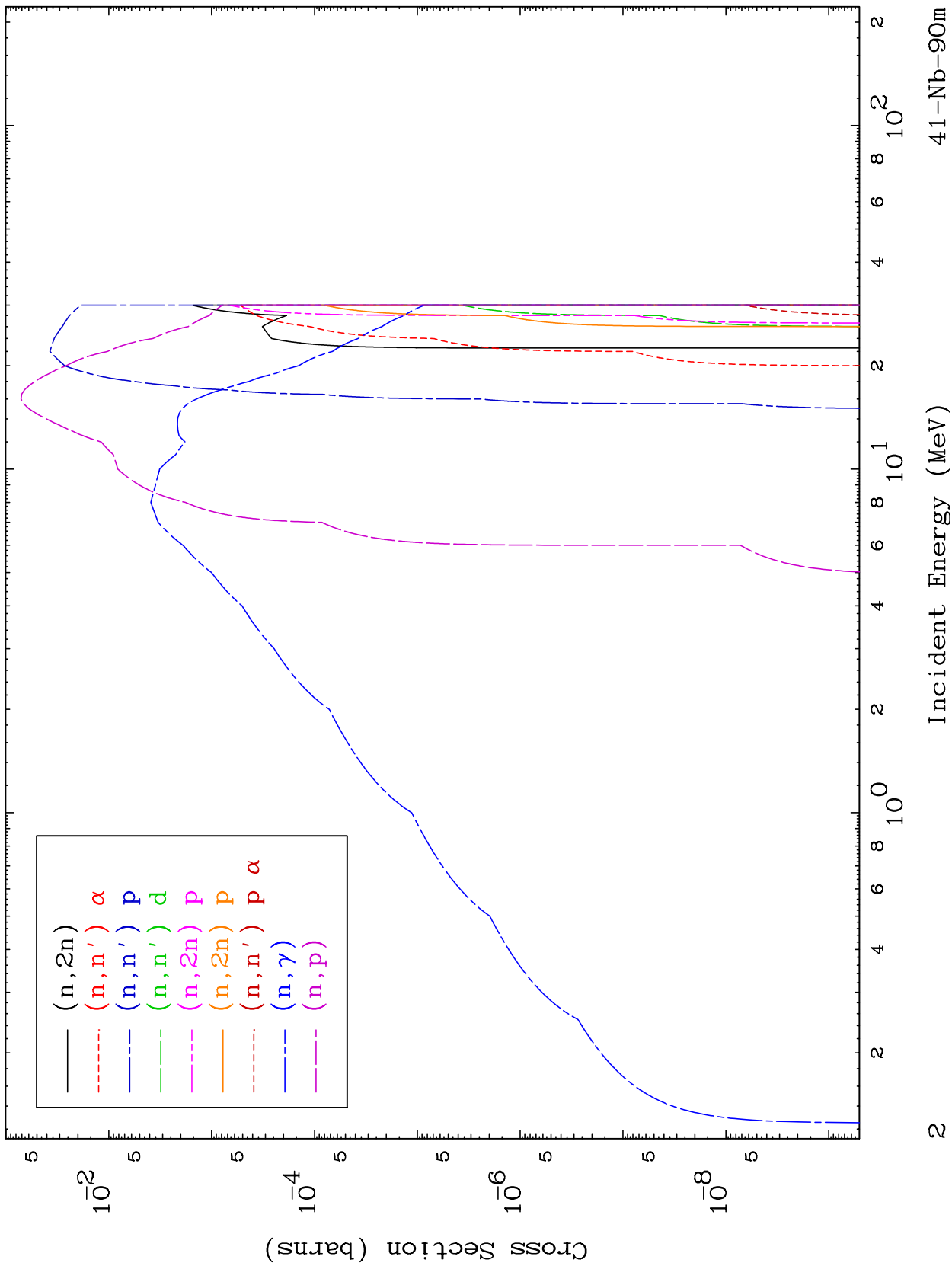
0 Kelvin Cross Sections

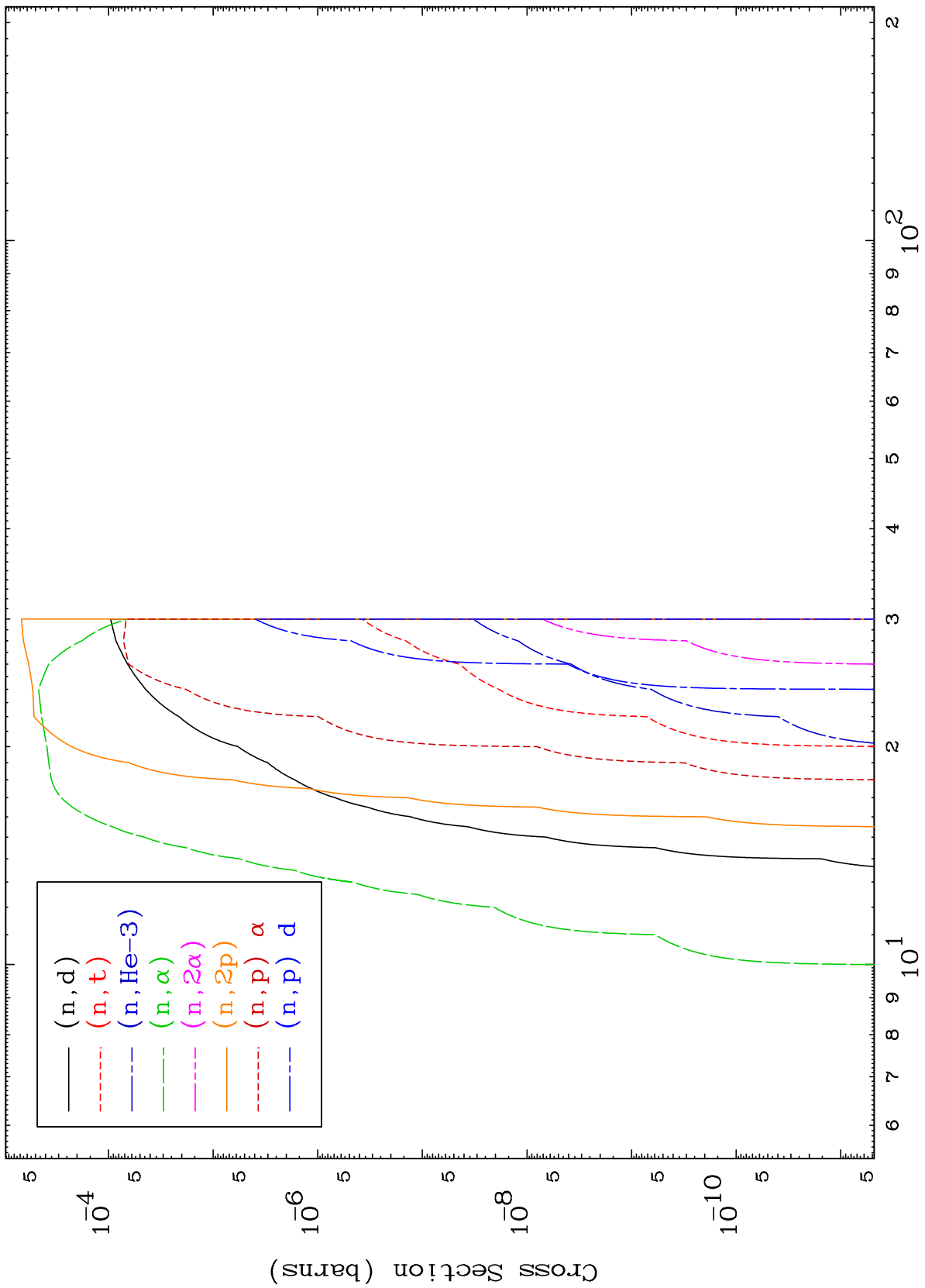


MAT 4117

Photon Neutron Absorption
0 Kelvin Cross Sections

41-Nb-90m

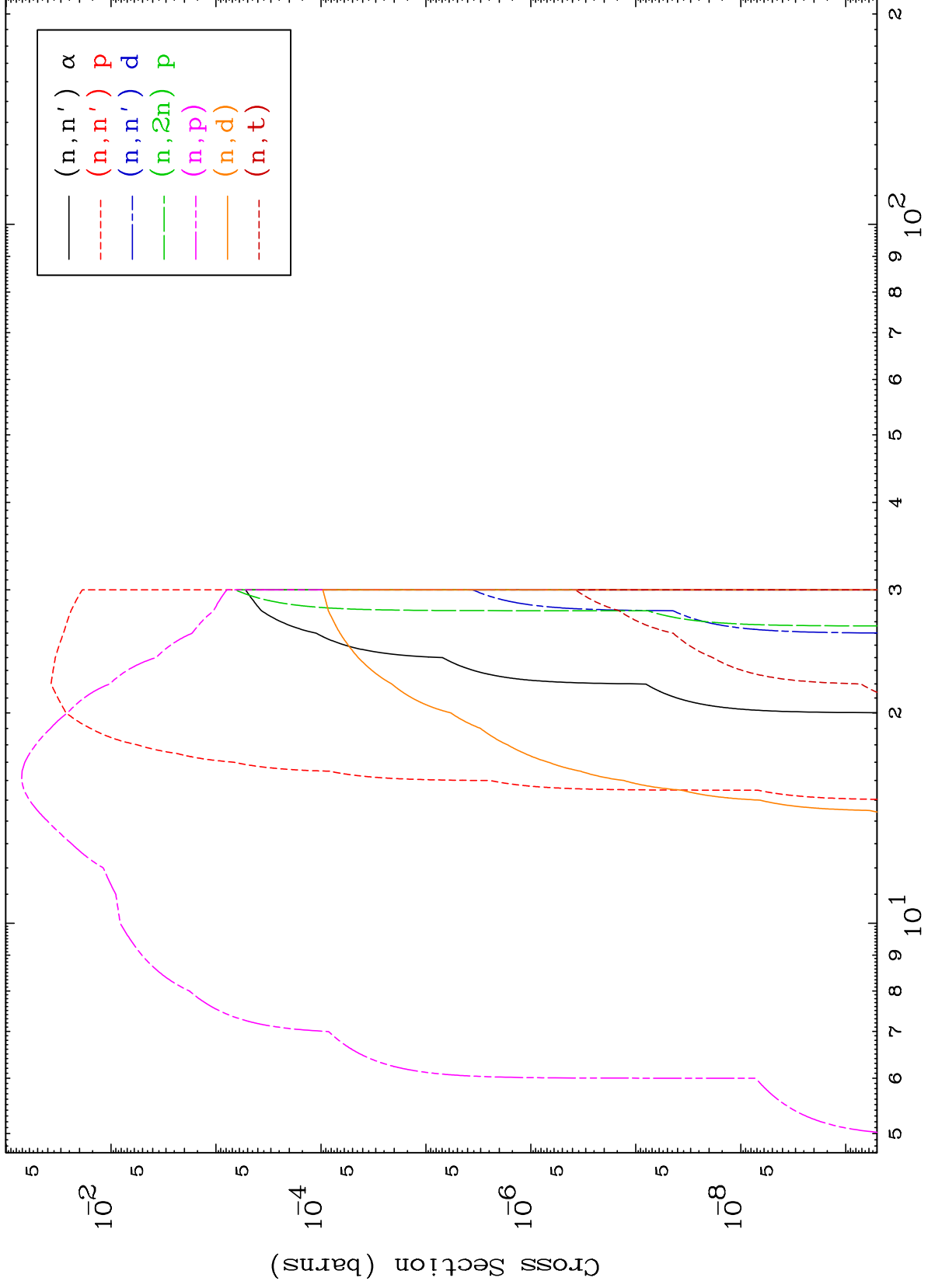




MAT 4117

Photon Charged Particle
0 Kelvin Cross Sections

41-Nb-90m



4

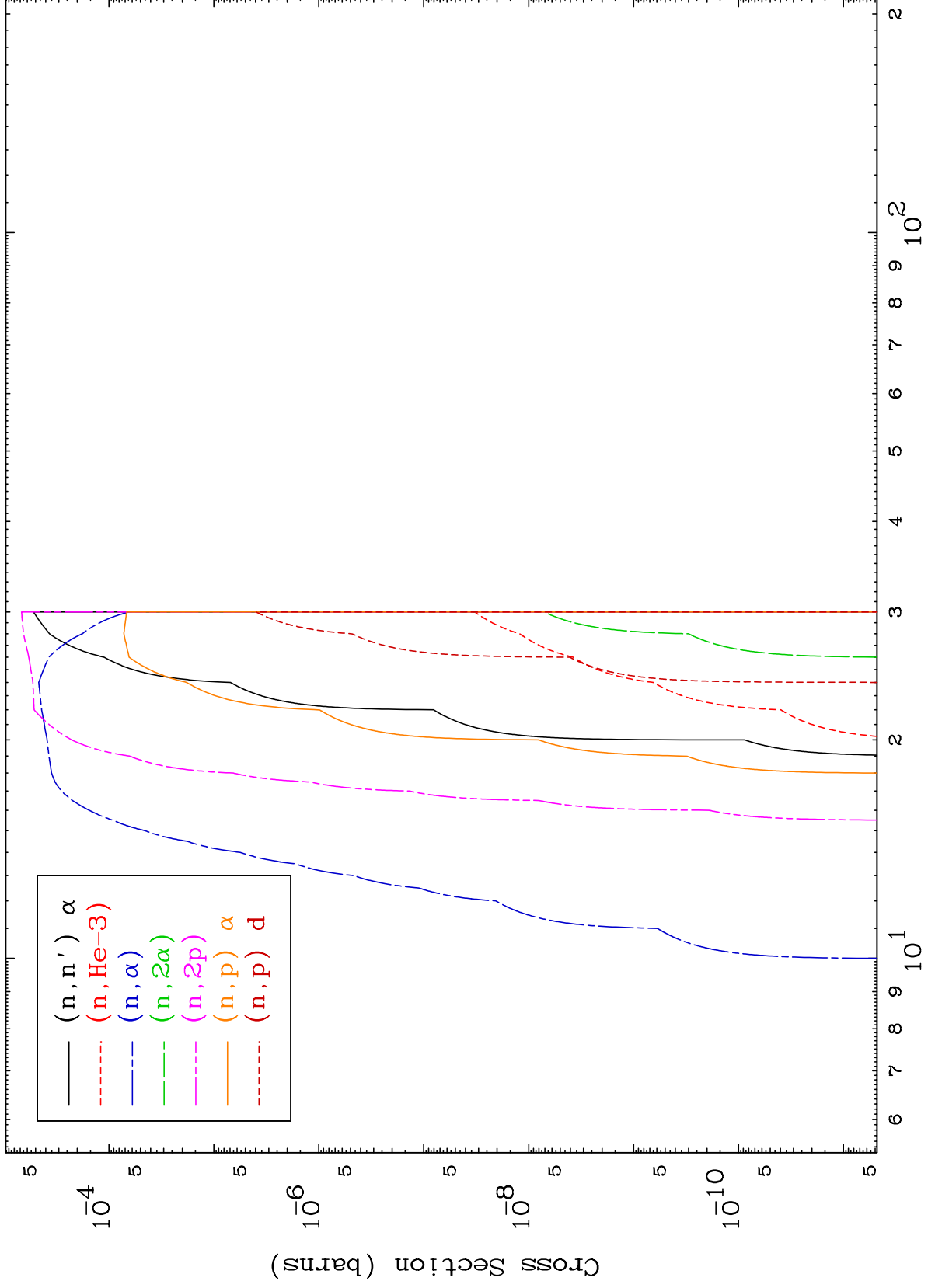
Incident Energy (MeV)

41-Nb-90m

MAT 4117

Photon Charged Particle
0 Kelvin Cross Sections

41-Nb-90m



5

Incident Energy (MeV)

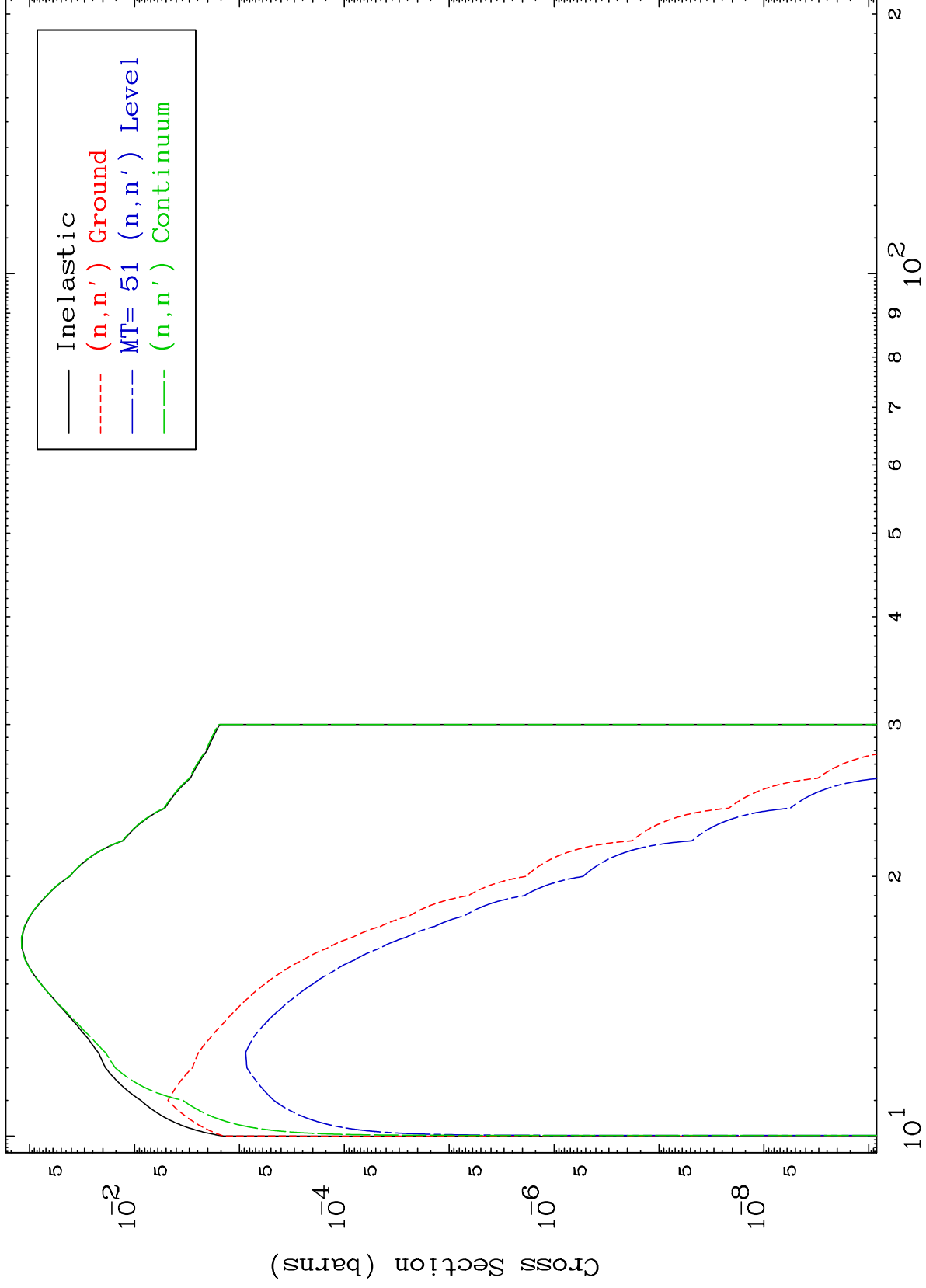
41-Nb-90m

MAT 4117

(γ, n') Levels

41-Nb-90m

0 Kelvin Cross Sections



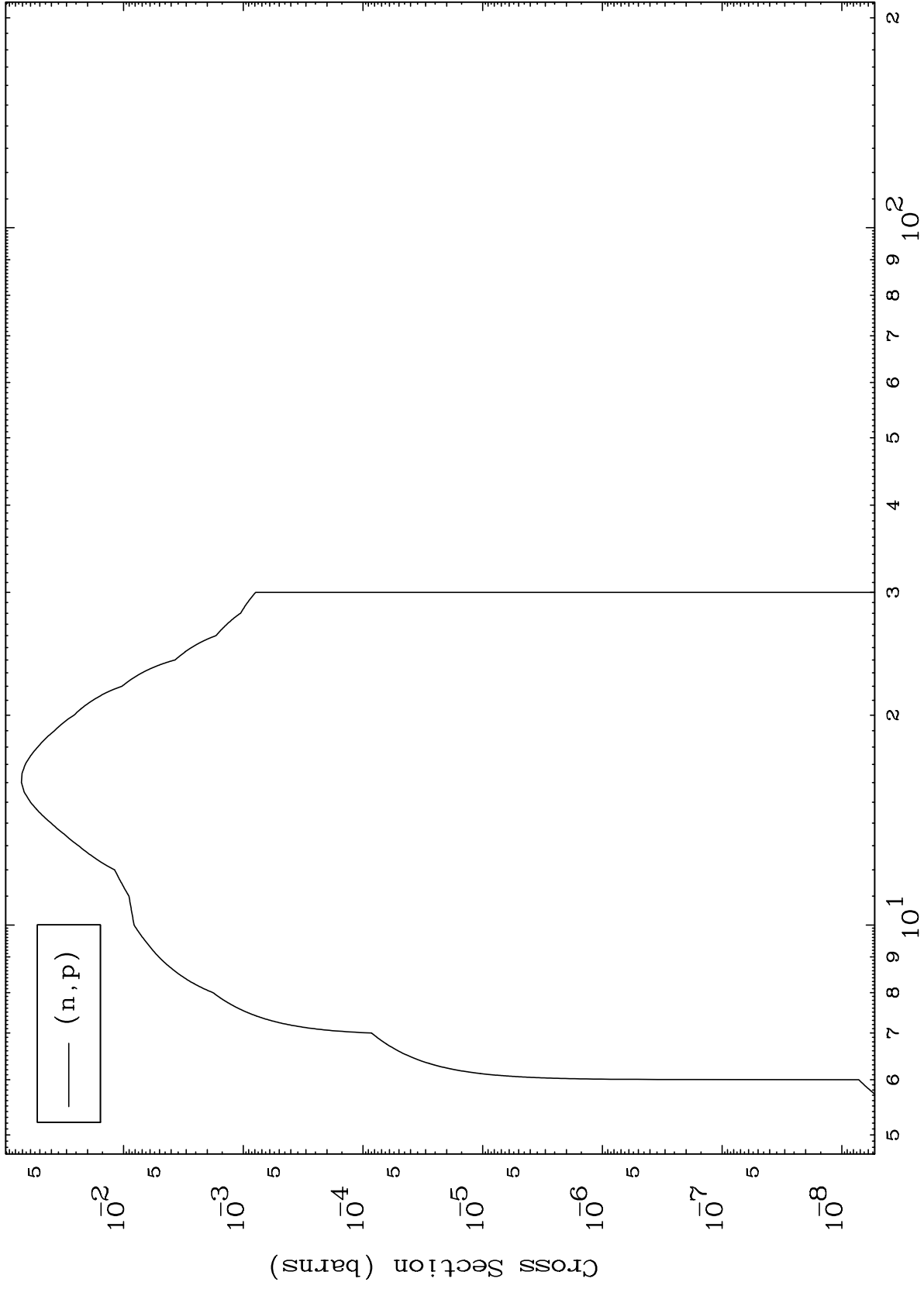
Incident Energy (MeV)

41-Nb-90m

MAT 4117

(γ, p) Levels
0 Kelvin Cross Sections

41-Nb-90m



7

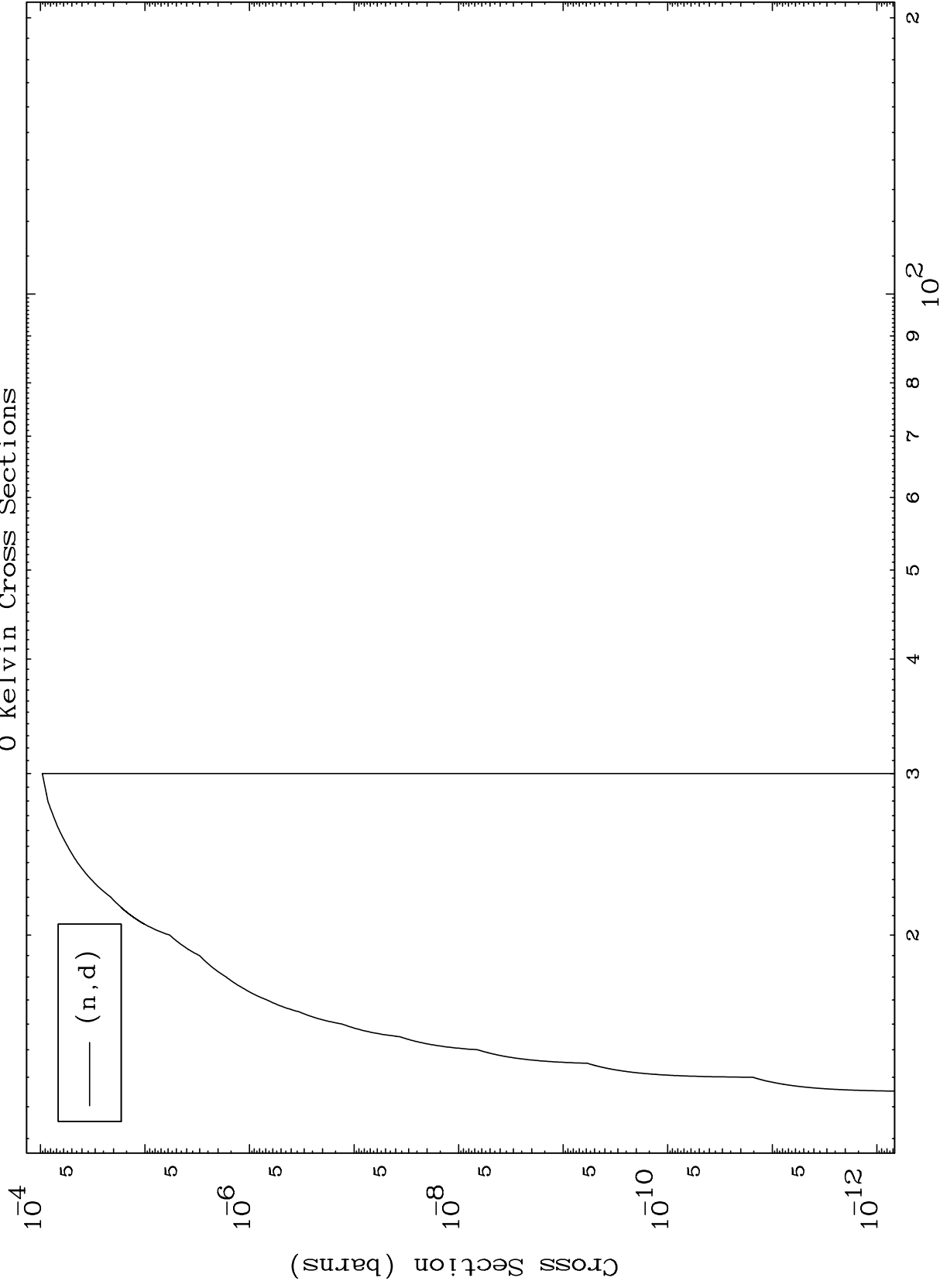
Incident Energy (MeV)

41-Nb-90m

MAT 4117

(γ, d) Levels
0 Kelvin Cross Sections

41-Nb-90m



8

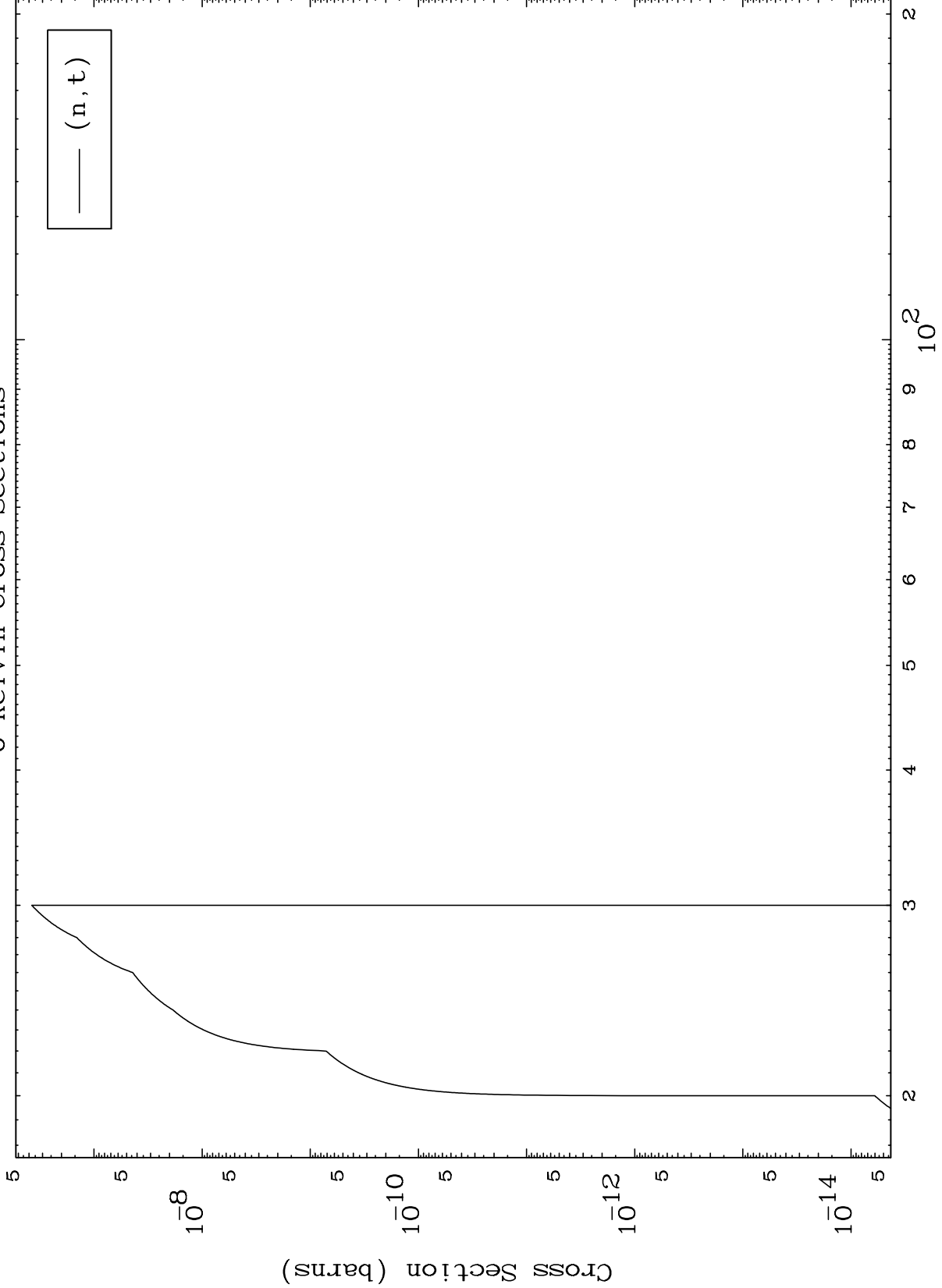
Incident Energy (MeV)

41-Nb-90m

MAT 4117

(γ, t) Levels
0 Kelvin Cross Sections

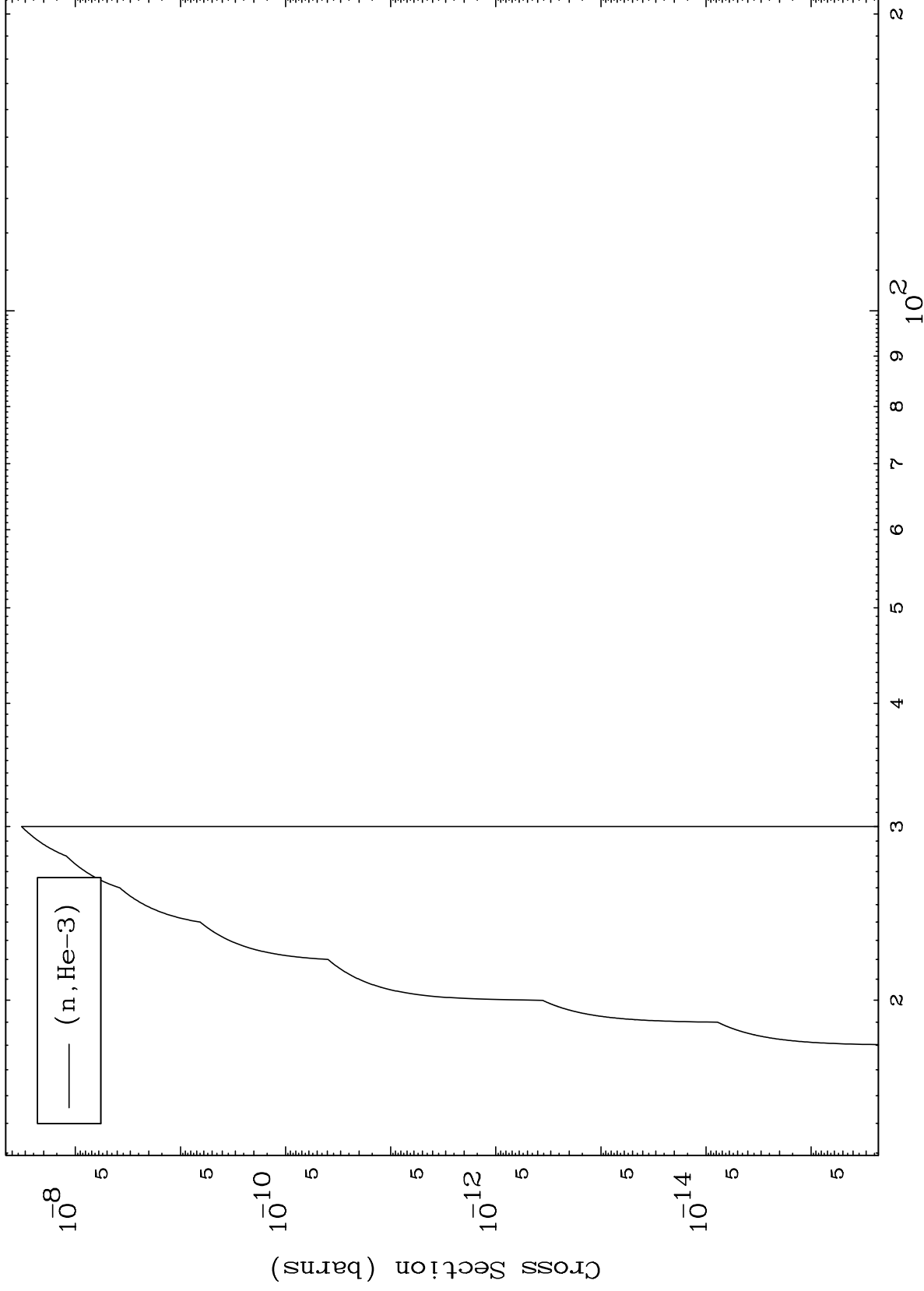
41-Nb-90m



MAT 4117

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

41-Nb-90m



10

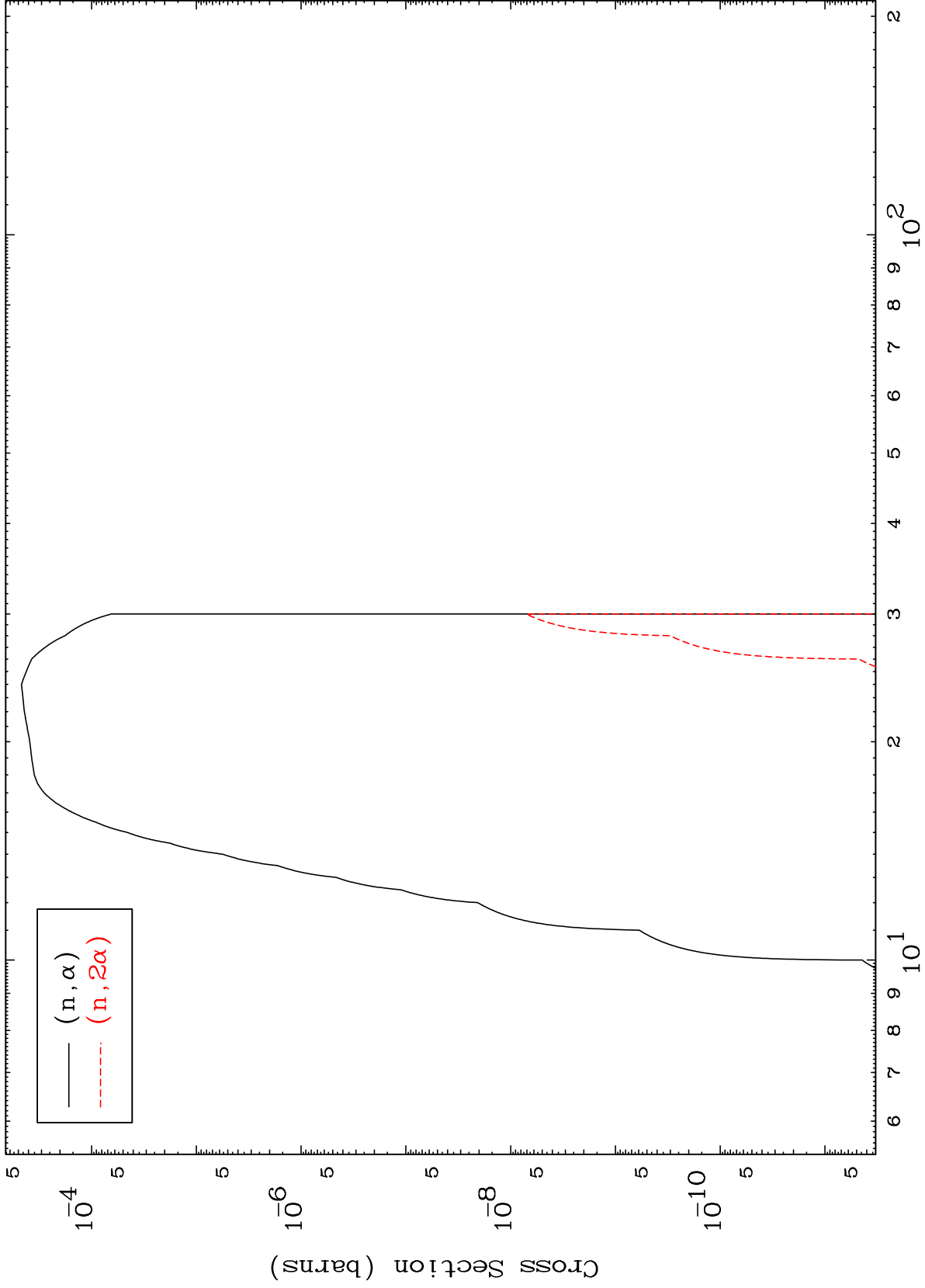
Incident Energy (MeV)

41-Nb-90m

MAT 4117

(γ, α) Levels
0 Kelvin Cross Sections

41-Nb-90m



11

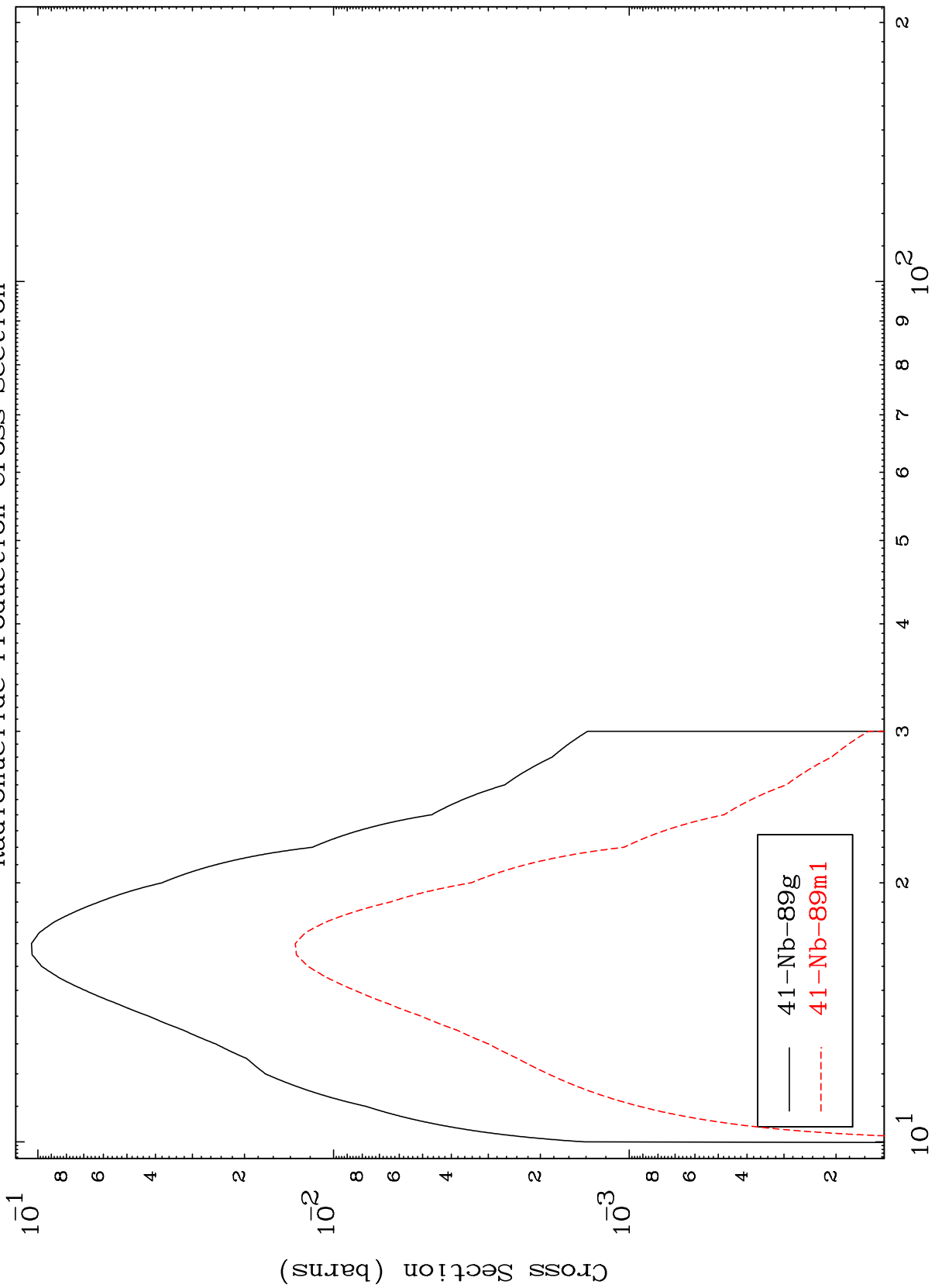
Incident Energy (MeV)

41-Nb-90m

MAT 4117

41-Nb-90m

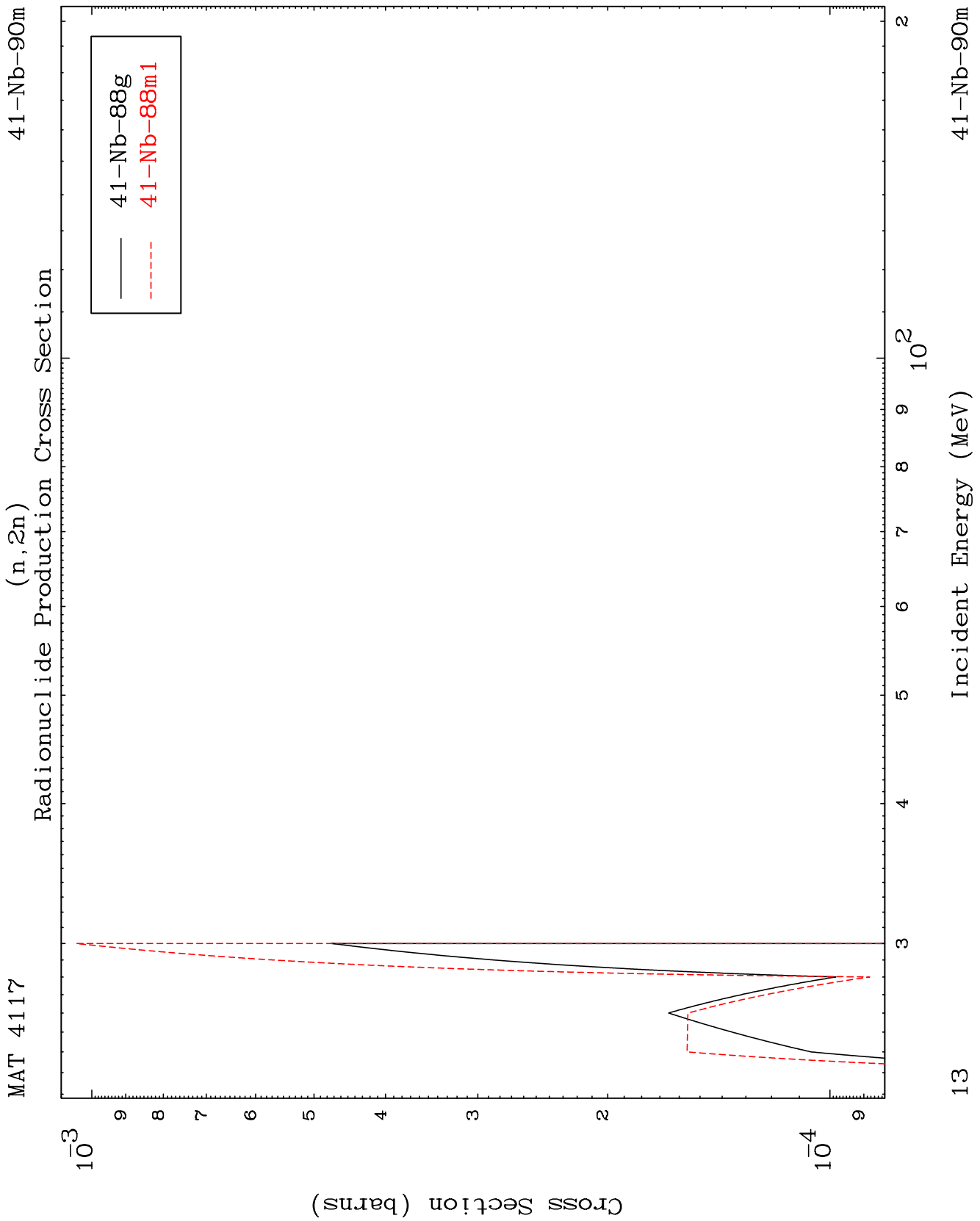
Inelastic
Radionuclide Production Cross Section



41-Nb-90m

Incident Energy (MeV)

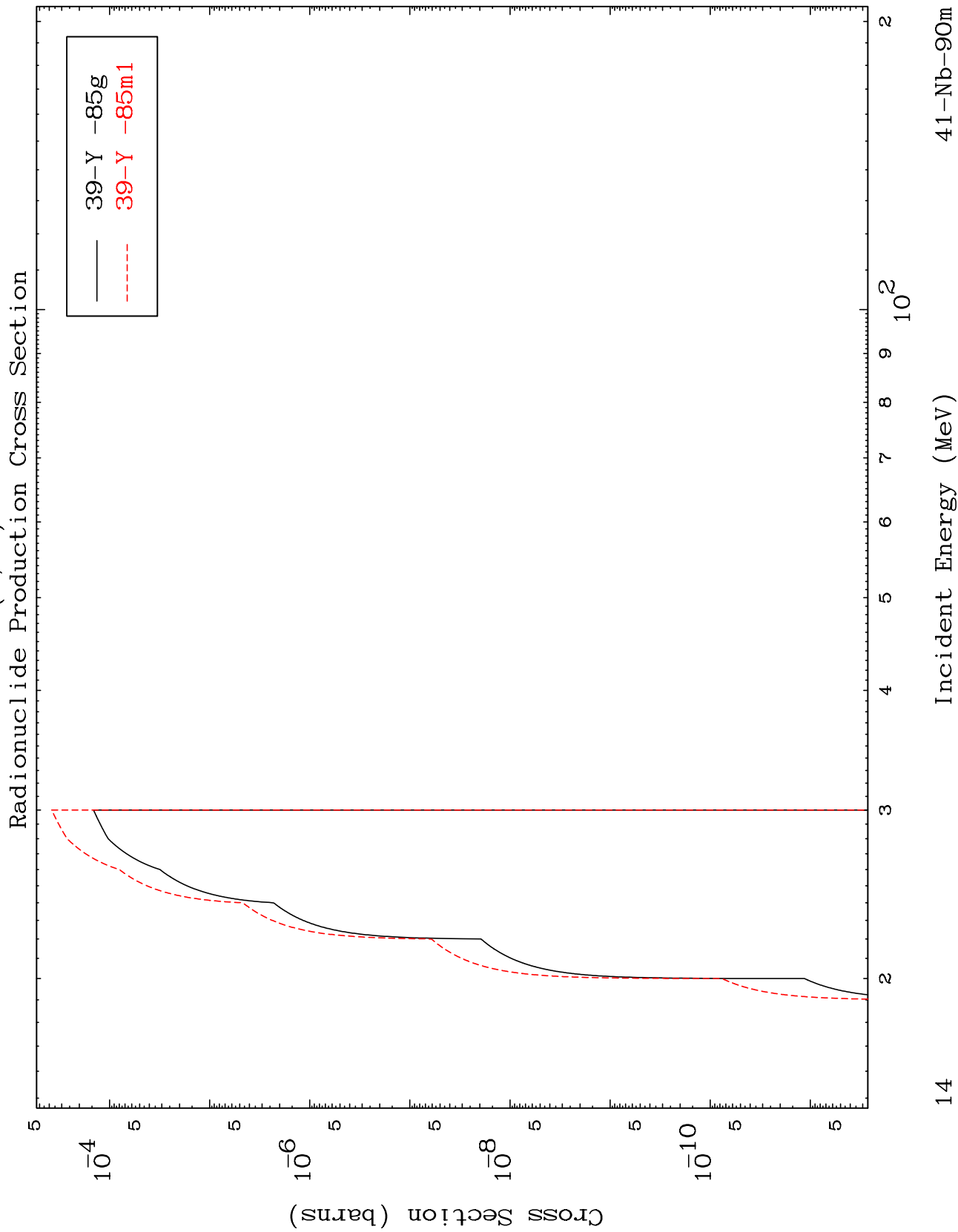
12



MAT 4117

$(n, n') \alpha$

41-Nb-90m



14

Incident Energy (MeV)

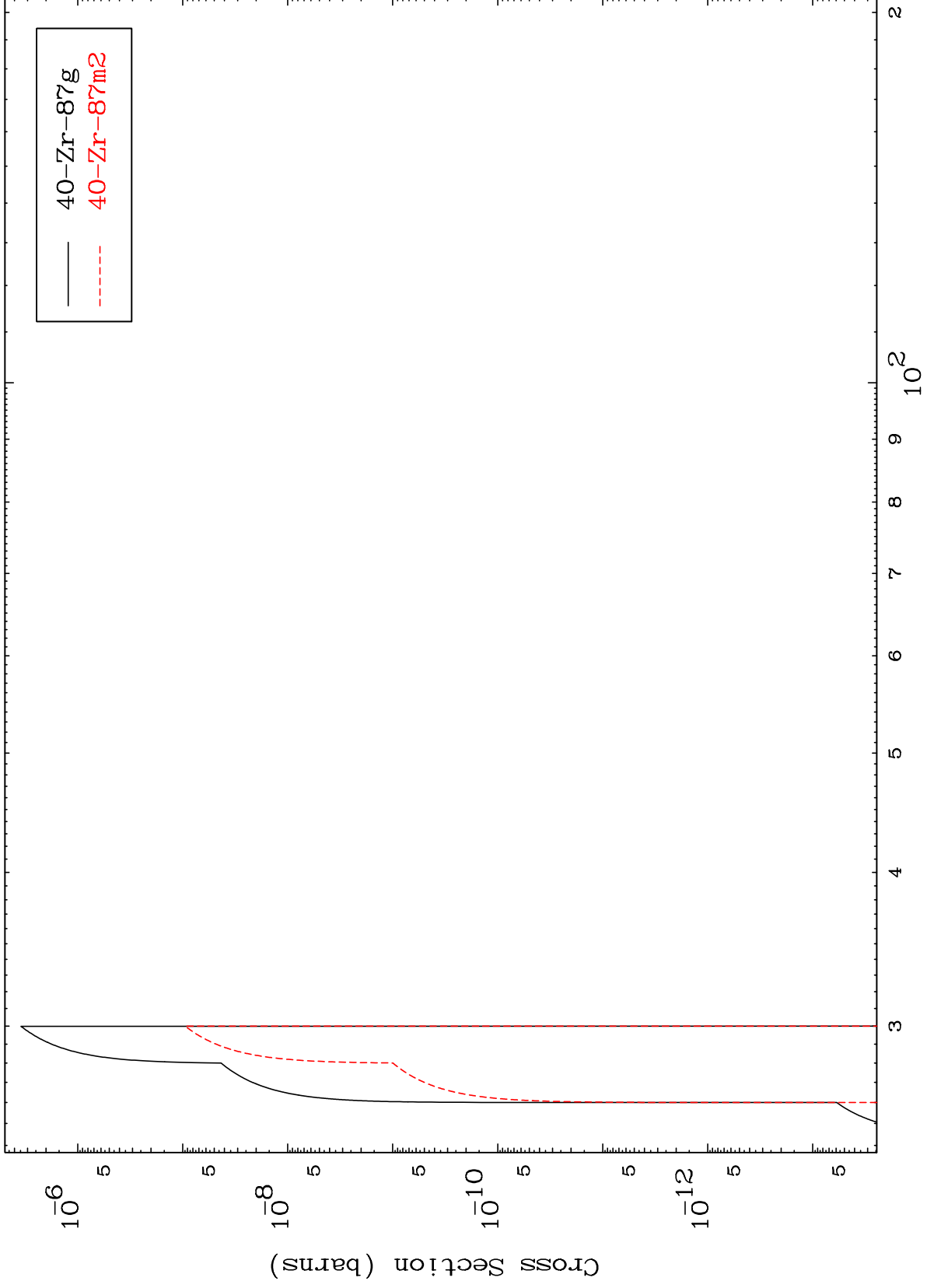
41-Nb-90m

MAT 4117

(n,n') d

41-Nb-90m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

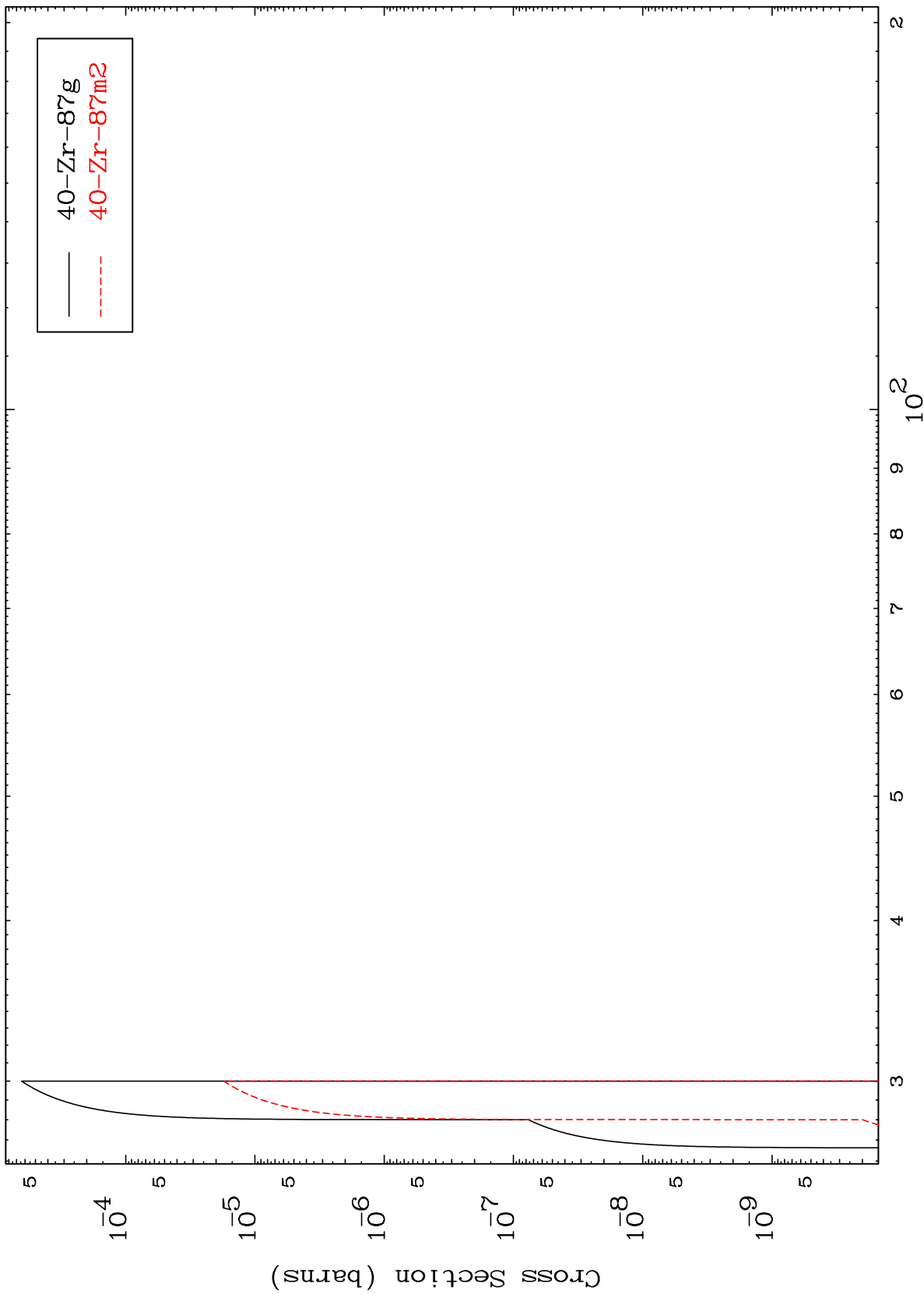
41-Nb-90m

MAT 4117

(n,2n) p

41-Nb-90m

Radionuclide Production Cross Section



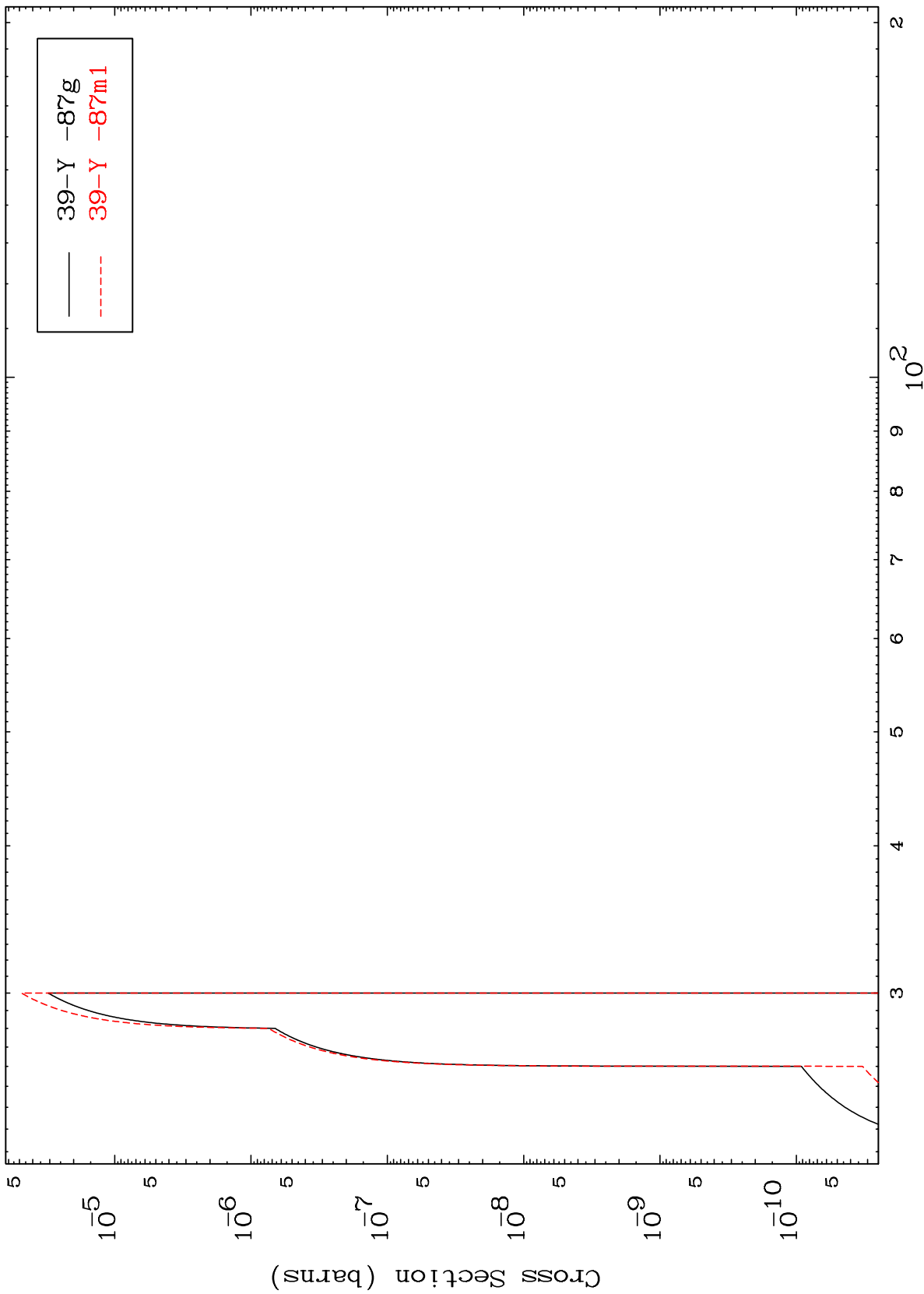
40-Zr-87g
40-Zr-87m2

MAT 4117

(n,2n) p

41-Nb-90m

Radionuclide Production Cross Section



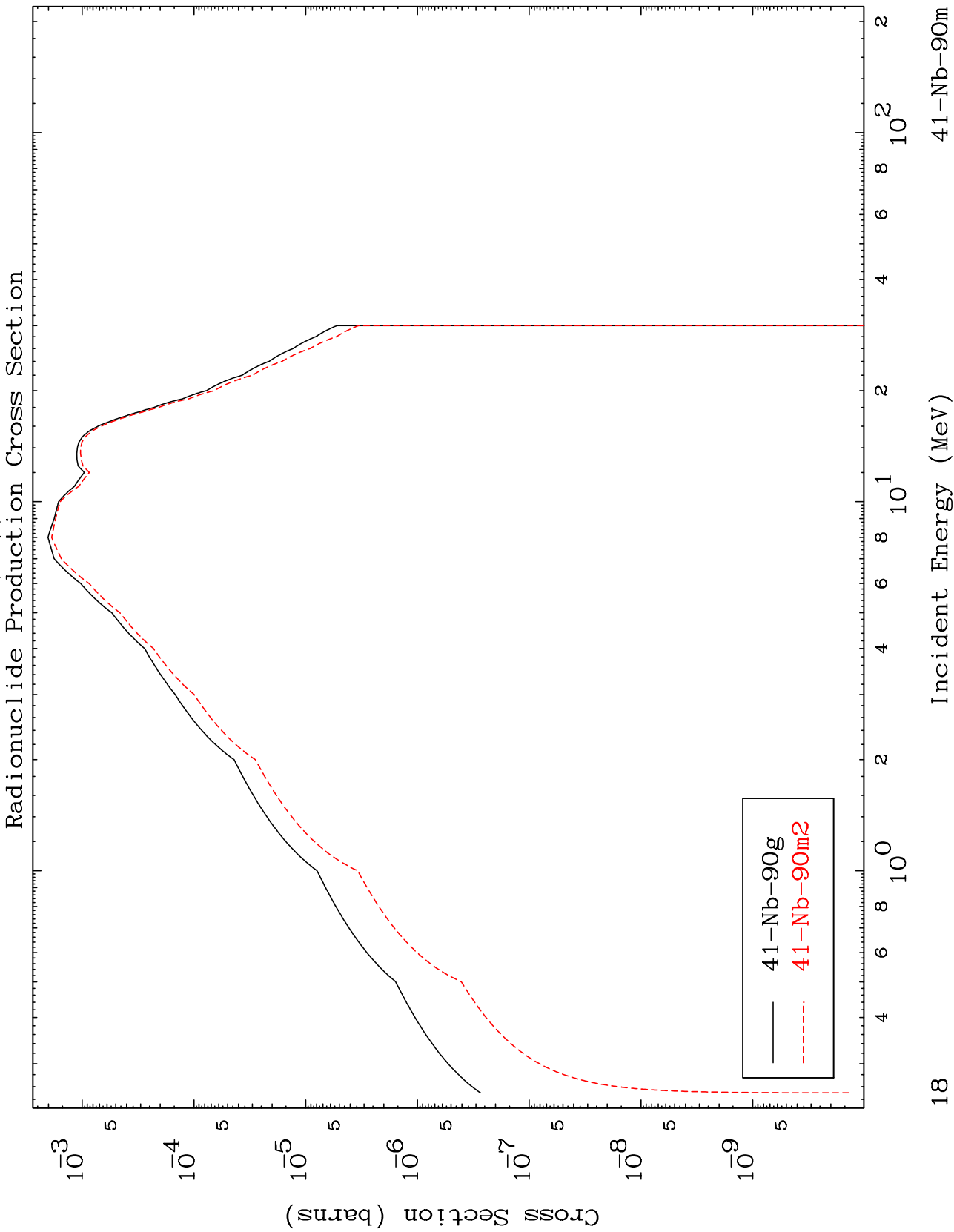
17

Incident Energy (MeV)

41-Nb-90m

MAT 4117

41-Nb-90m



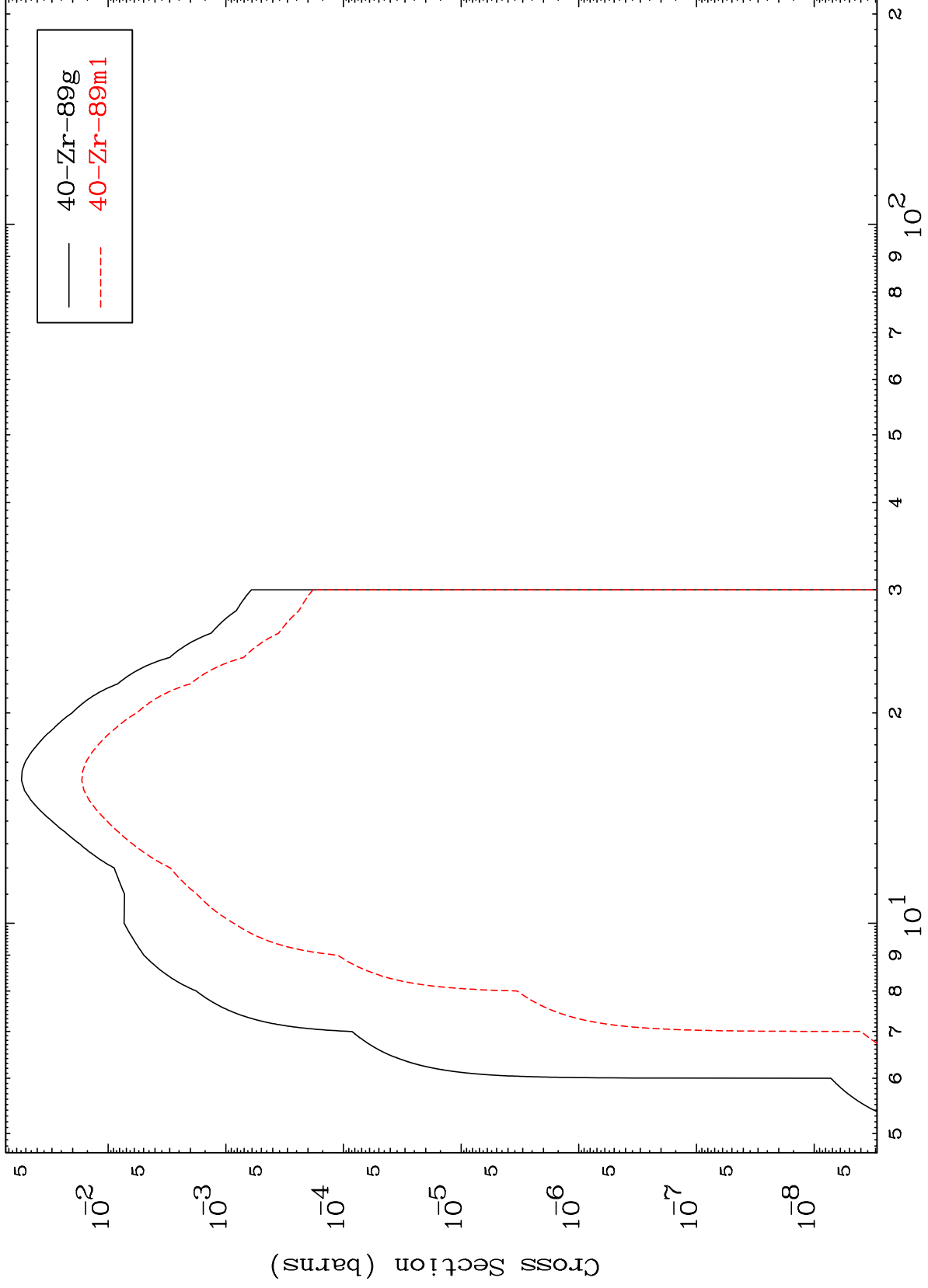
18

41-Nb-90m

MAT 4117

41-Nb-90m

(n,p)
Radionuclide Production Cross Section



19

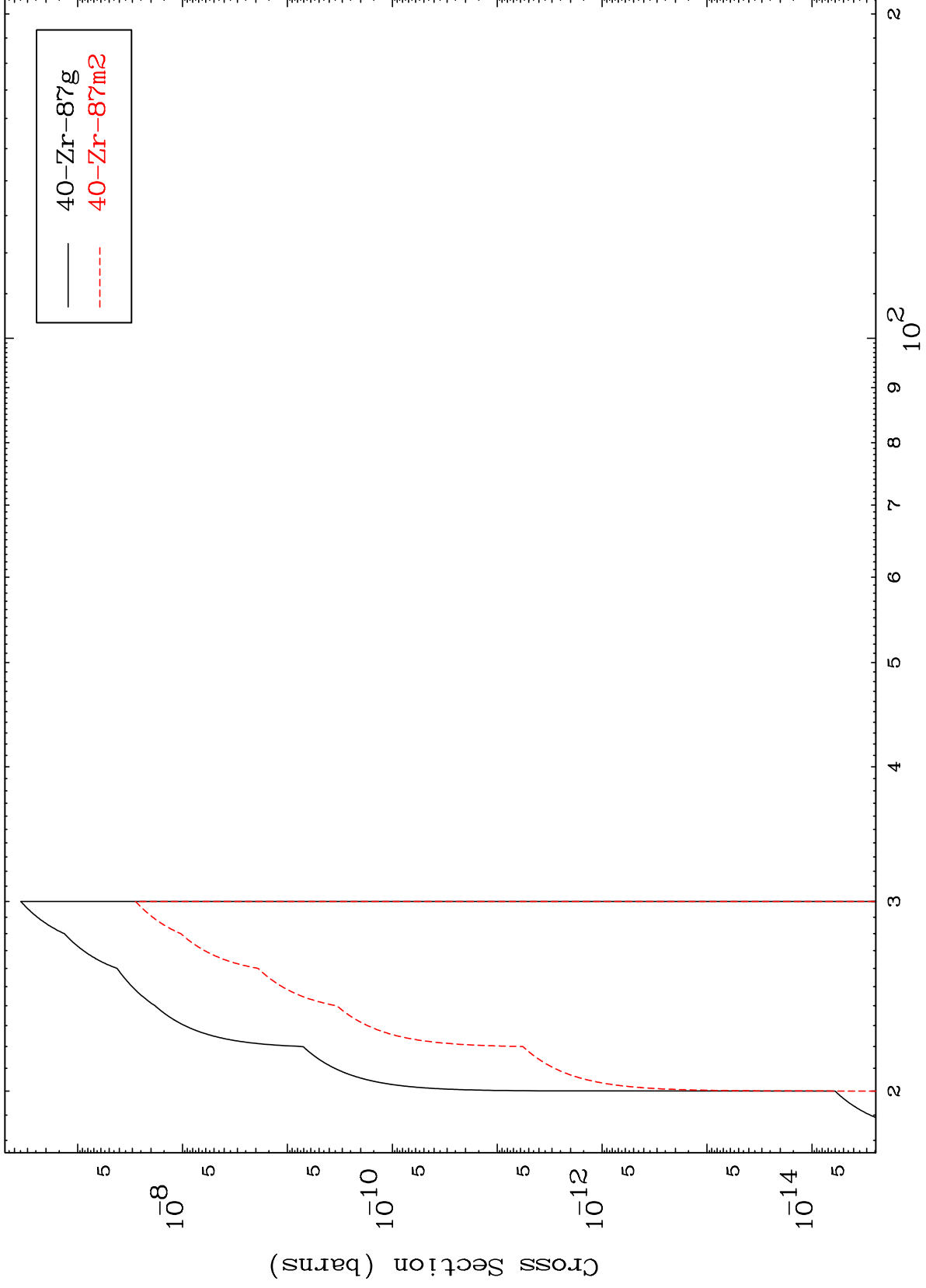
Incident Energy (MeV)

41-Nb-90m

MAT 4117

41-Nb-90m

(n,t)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

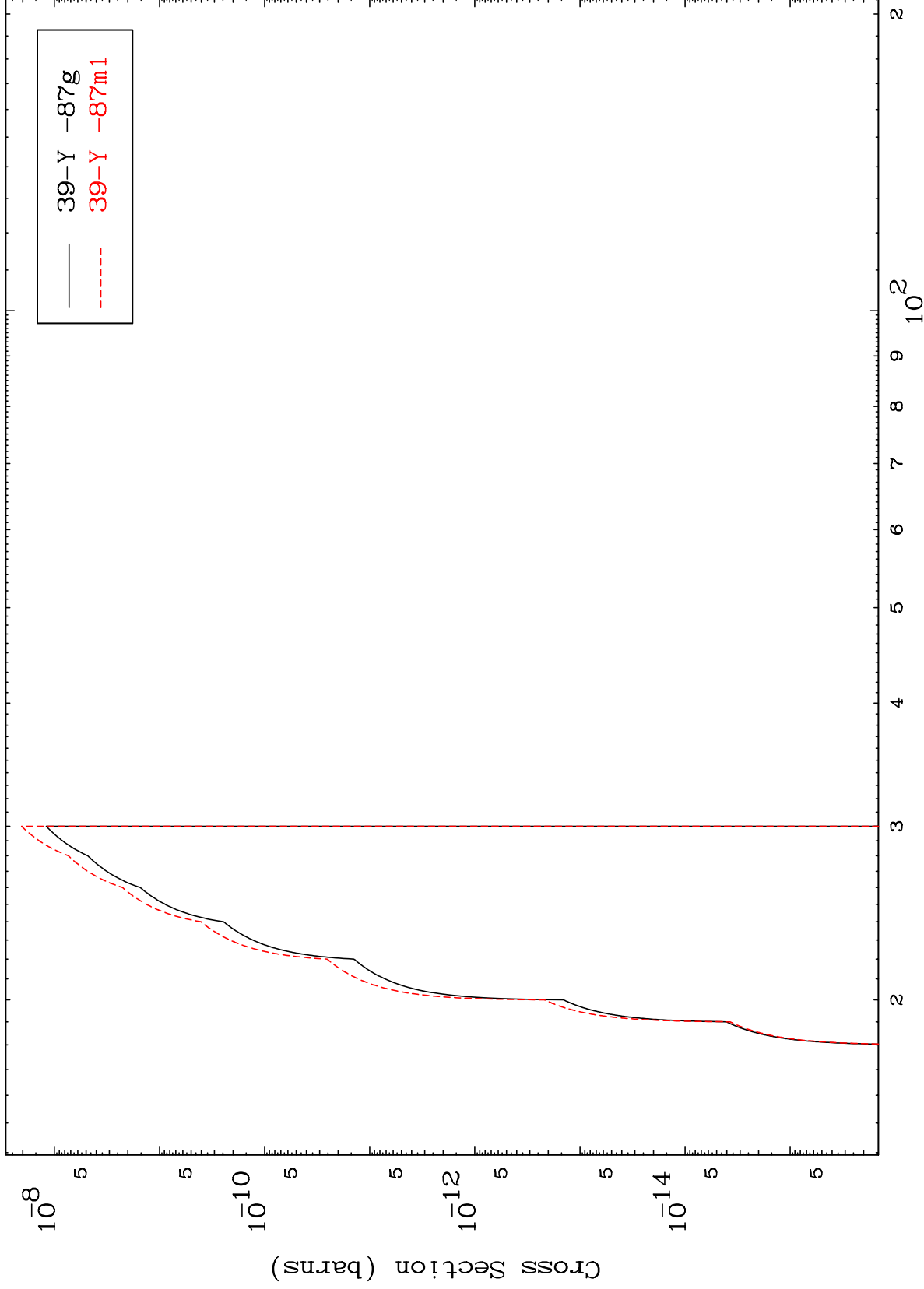
41-Nb-90m

MAT 41117

(n,He-3)

41-Nb-90m

Radionuclide Production Cross Section



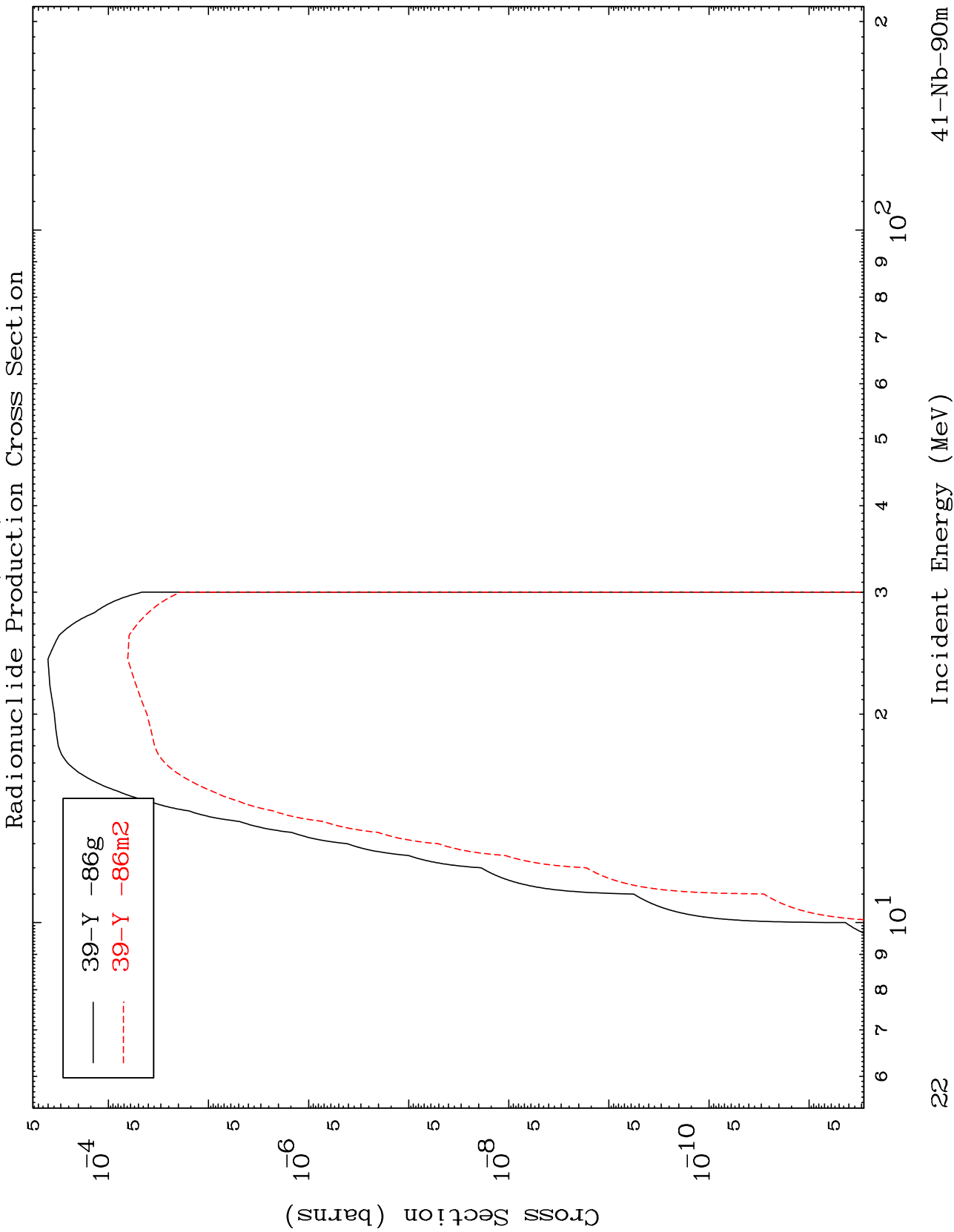
21

Incident Energy (MeV)

41-Nb-90m

MAT 4117

41-Nb-90m



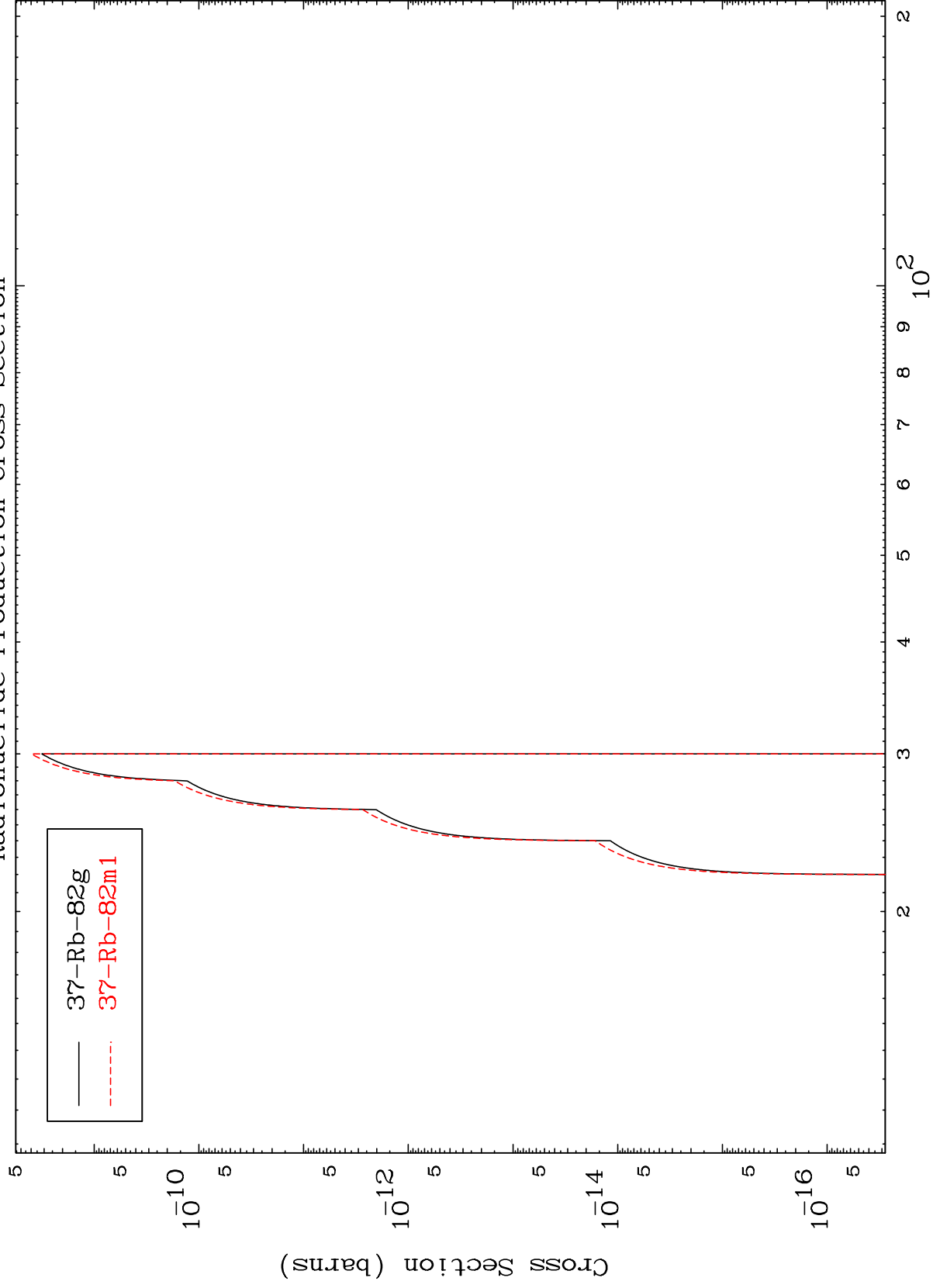
22

41-Nb-90m

MAT 4117

41-Nb-90m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

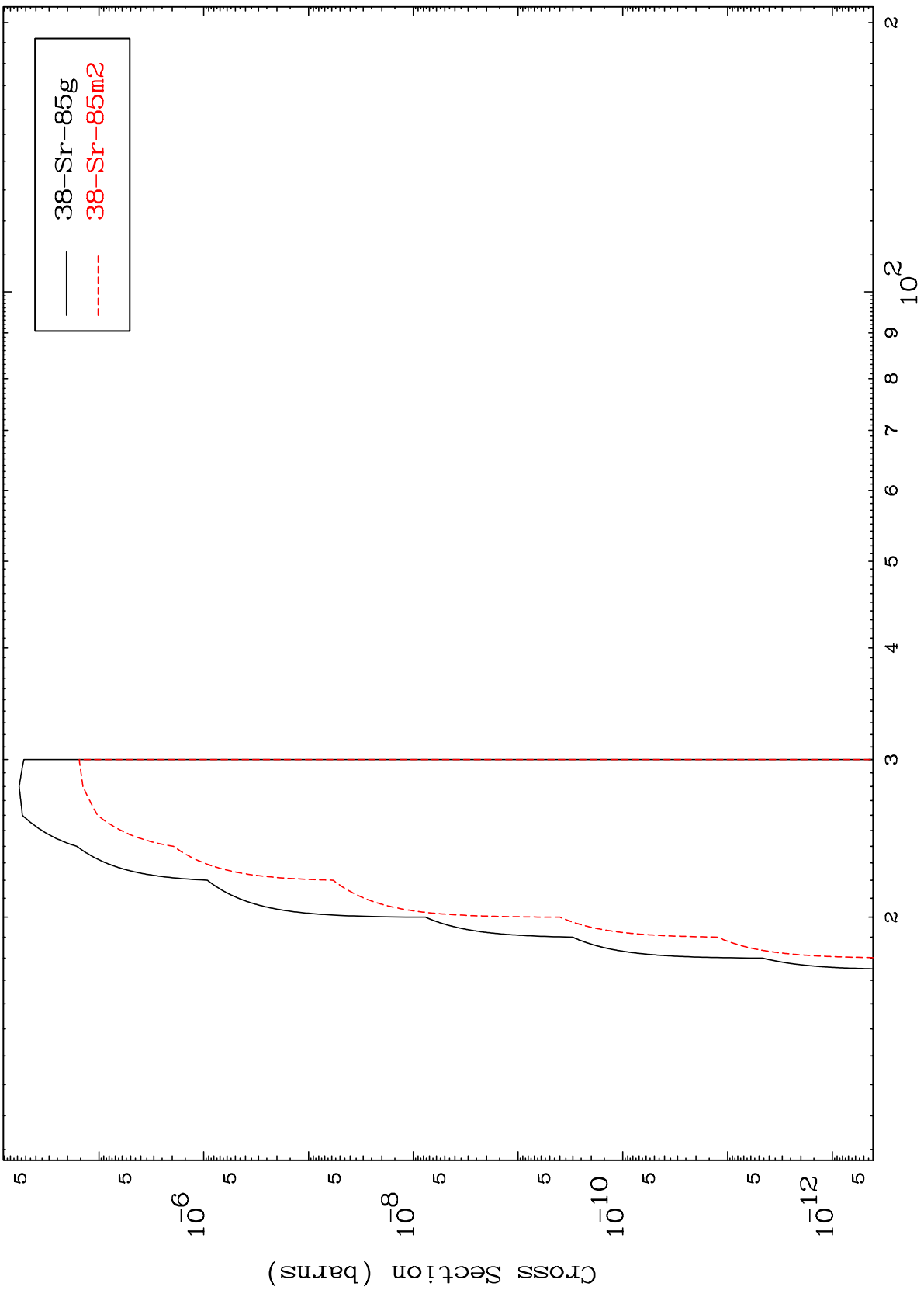
41-Nb-90m

MAT 4117

(n,p) α

41-Nb-90m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

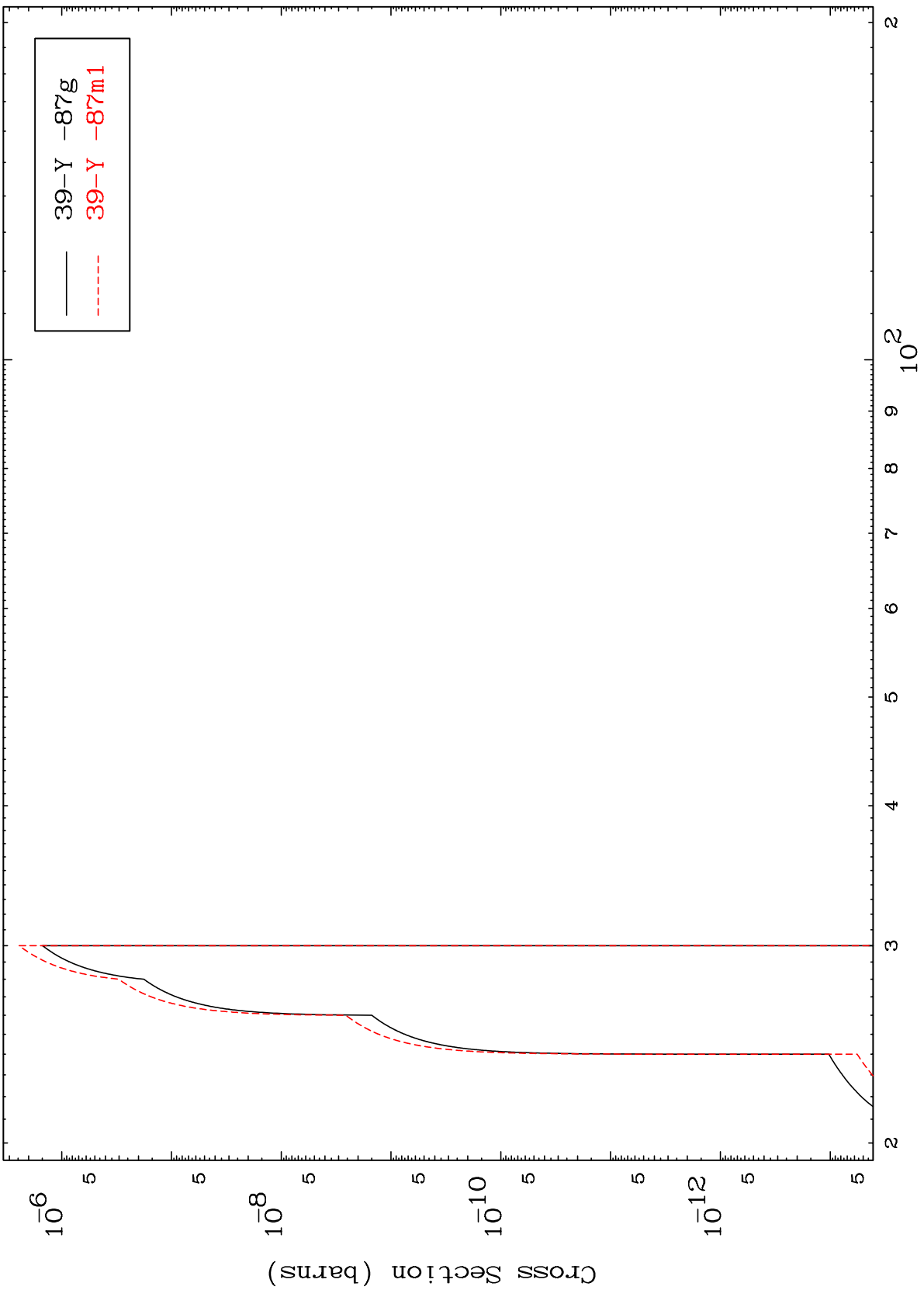
41-Nb-90m

MAT 4117

(n,p) d

41-Nb-90m

Radionuclide Production Cross Section



39-Y -87g
39-Y -87m1

25

Incident Energy (MeV)

41-Nb-90m