

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

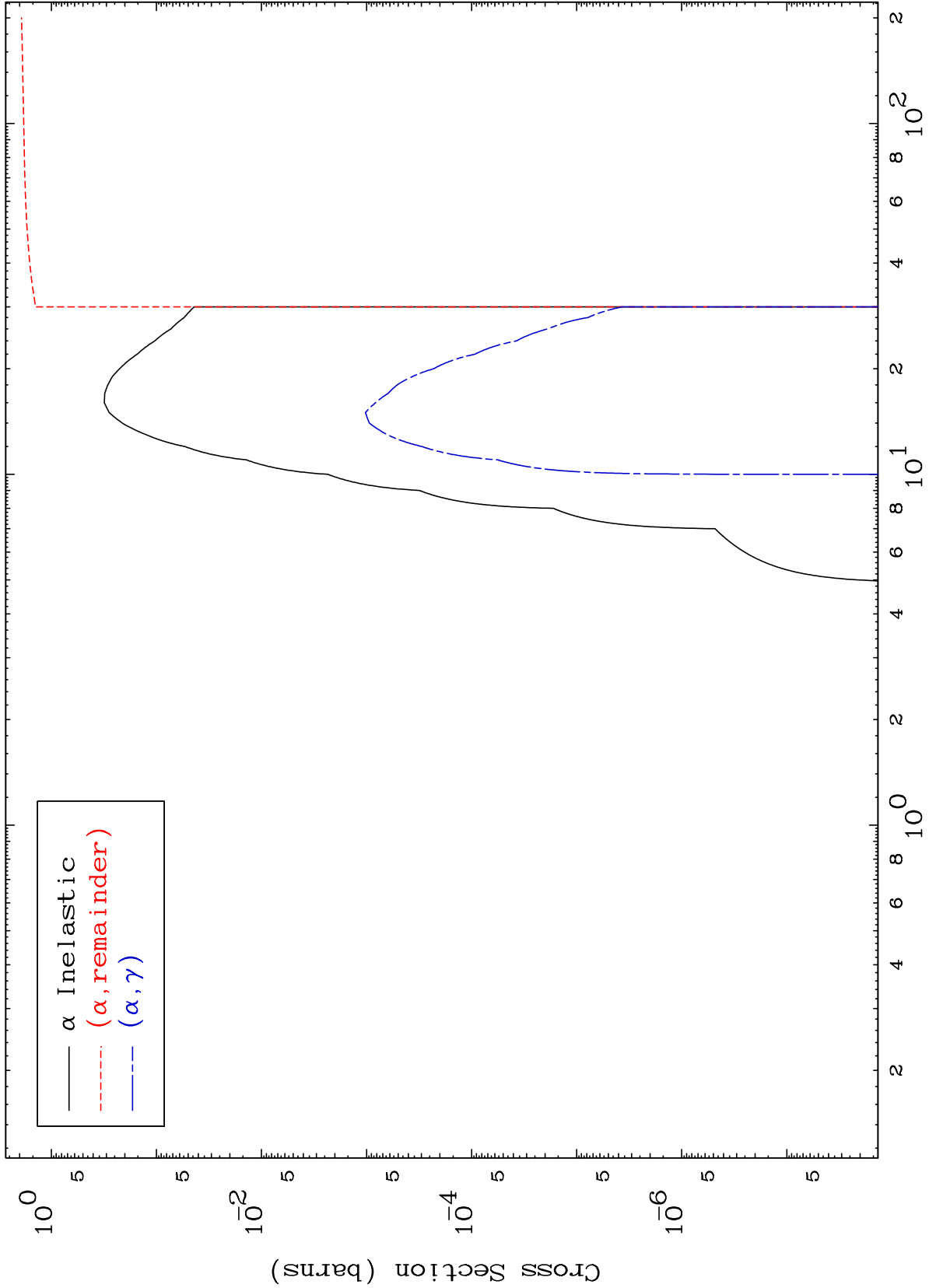
Press Mouse Button to Start

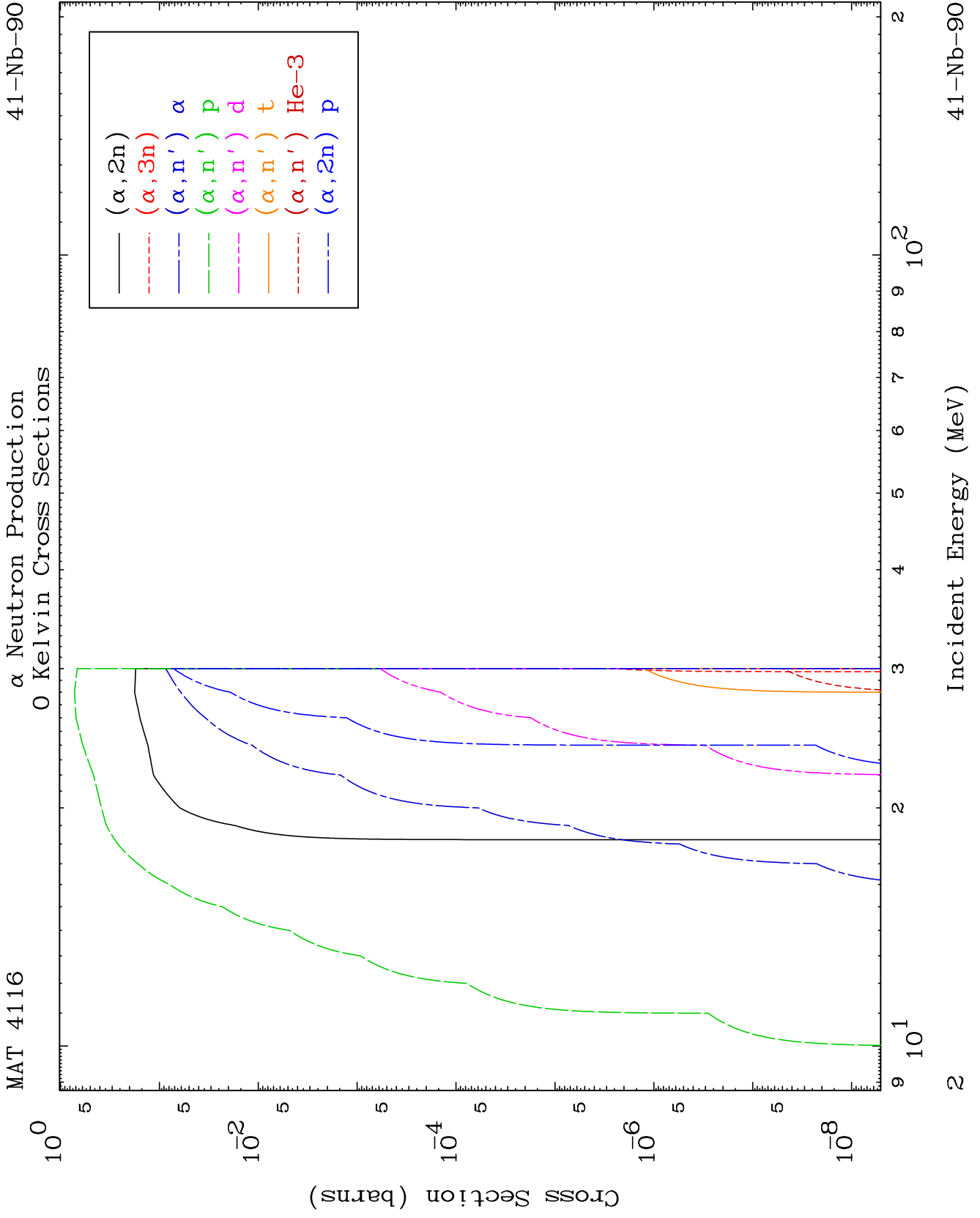
MAT 4116

α Major

41-Nb-90

0 Kelvin Cross Sections

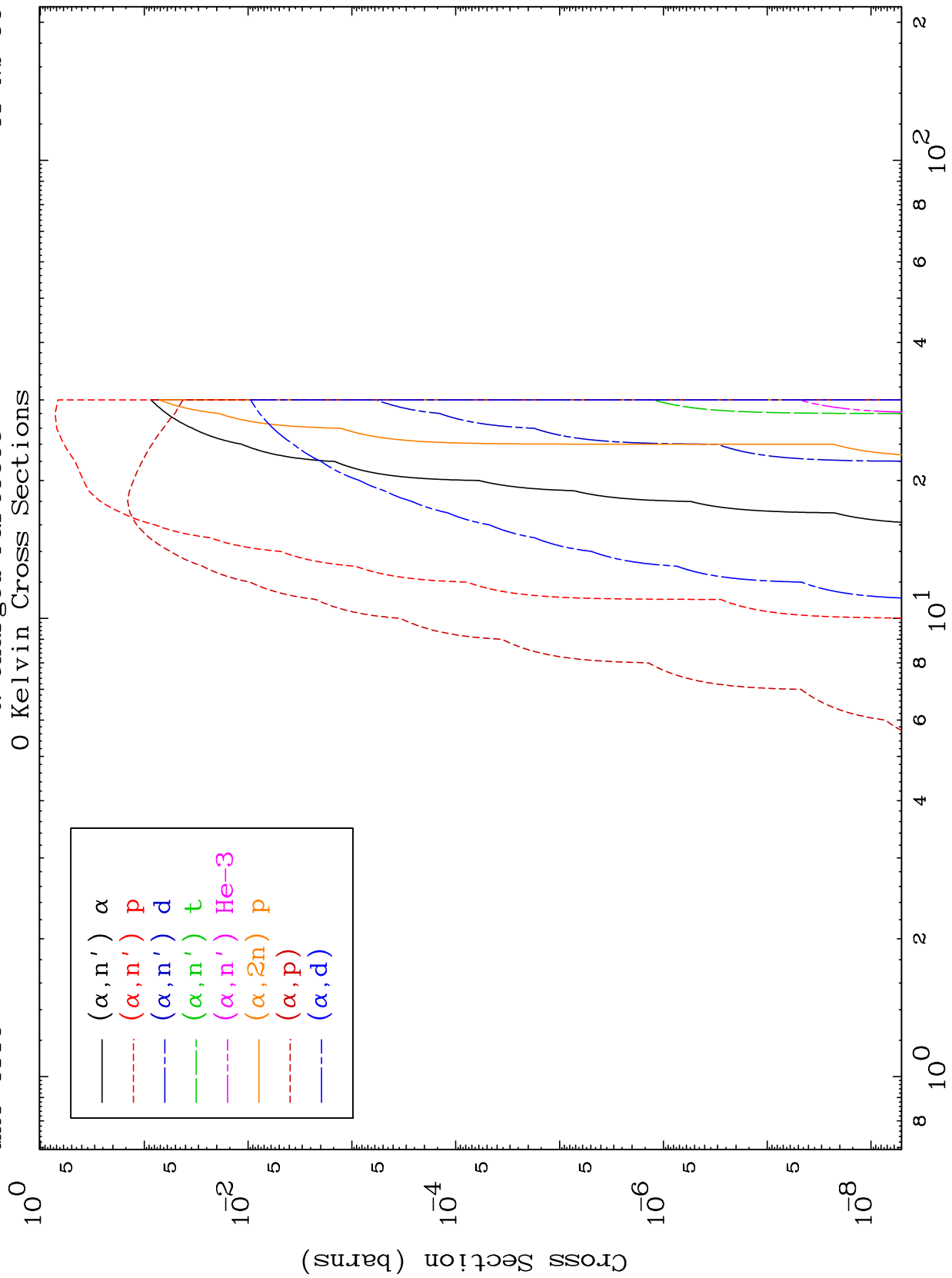




MAT 4116

α Charged Particle
0 Kelvin Cross Sections

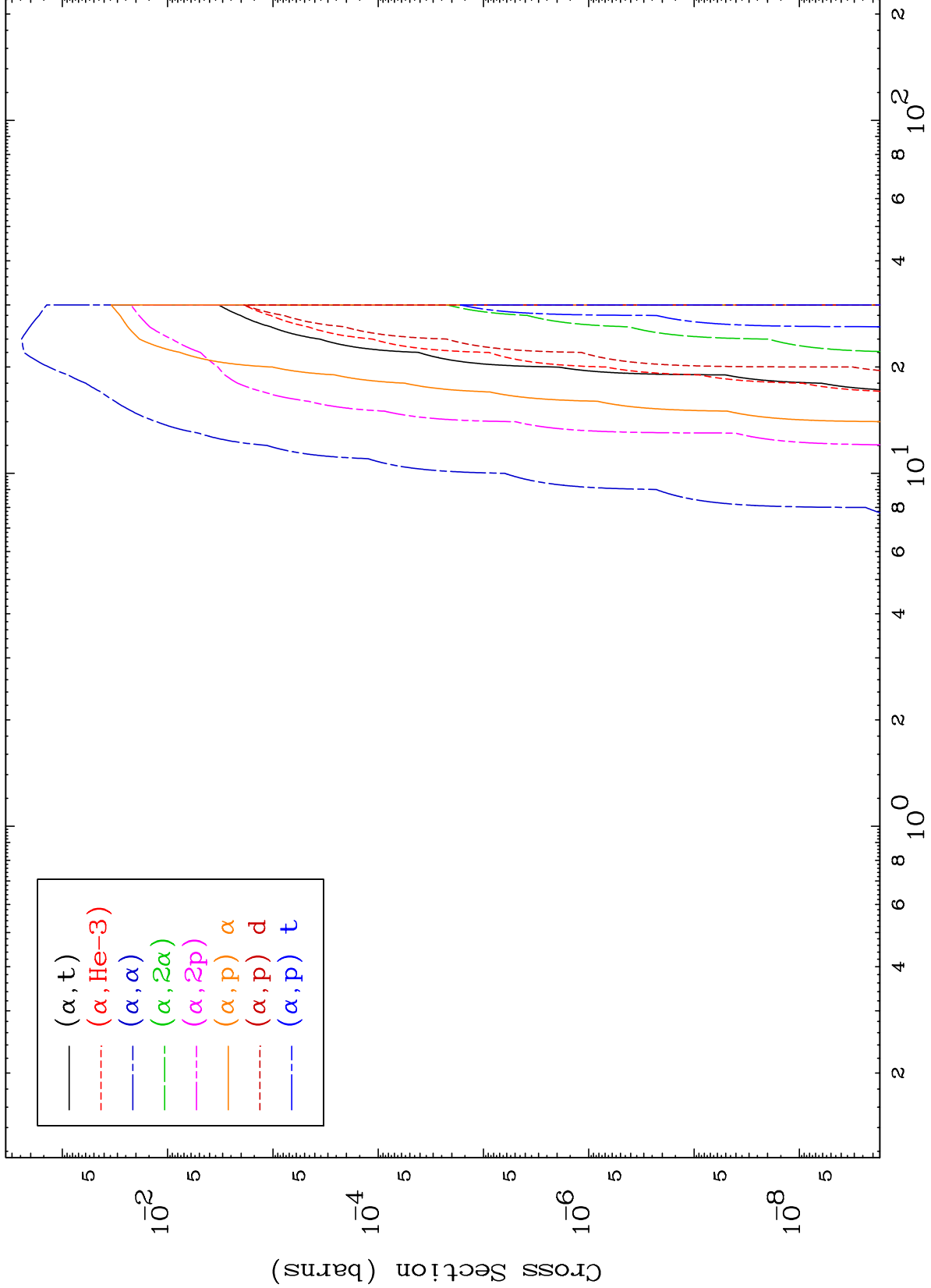
41-Nb-90



Incident Energy (MeV)

41-Nb-90

3

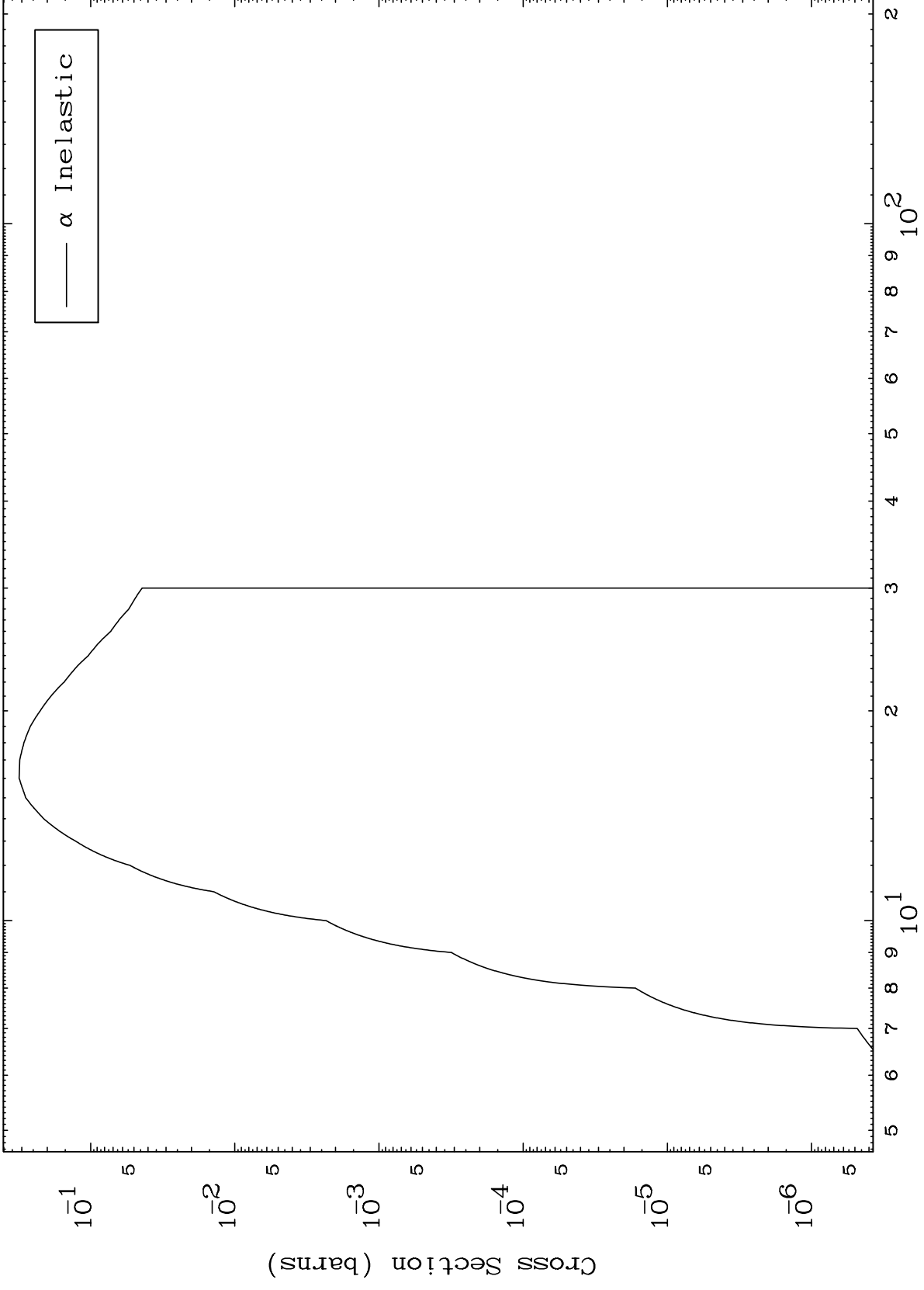


MAT 41116

(α, n') Level

41-Nb-90

0 Kelvin Cross Sections



5

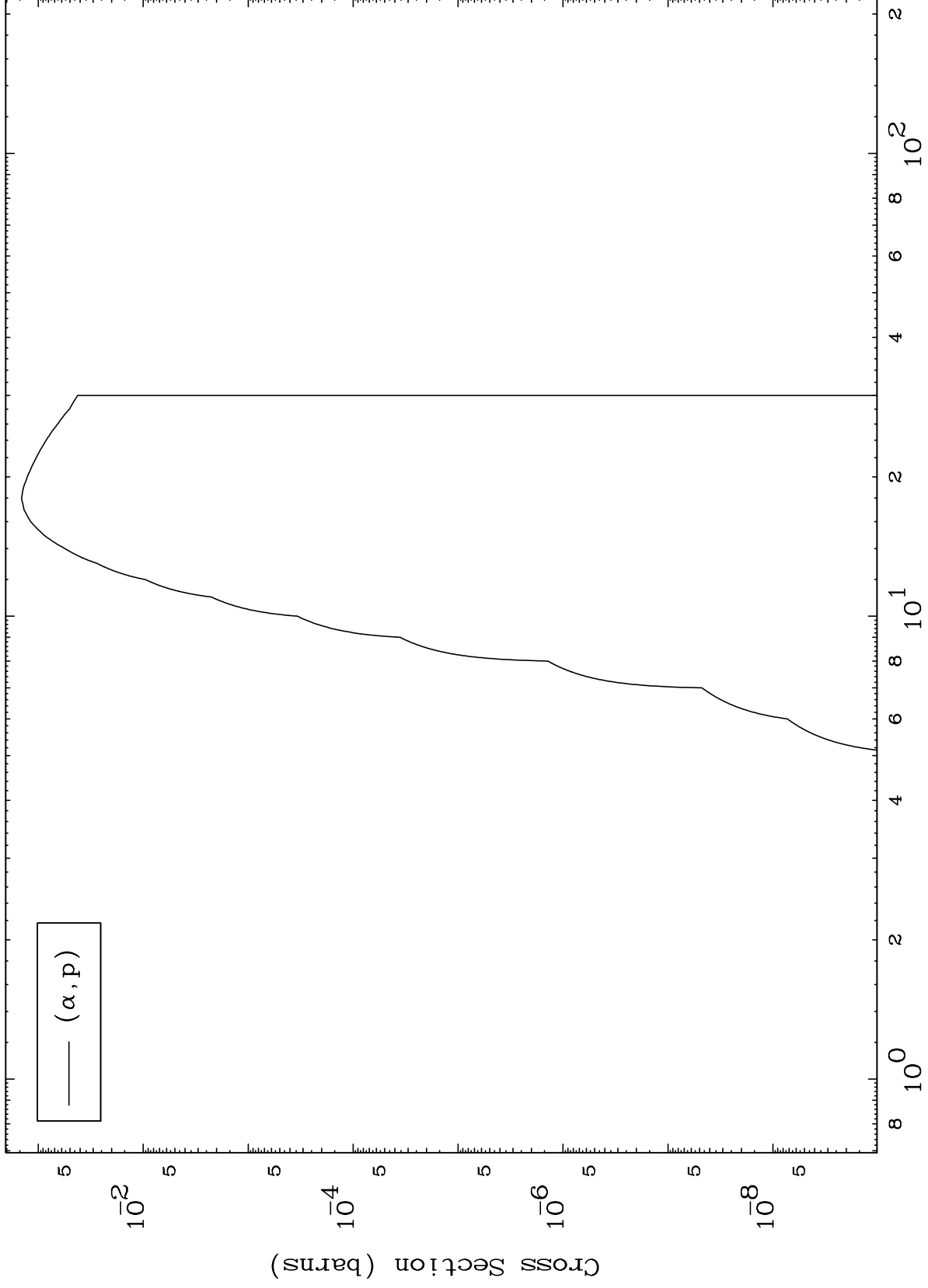
Incident Energy (MeV)

41-Nb-90

MAT 4116

(α, p) Levels
0 Kelvin Cross Sections

41-Nb-90



6

Incident Energy (MeV)

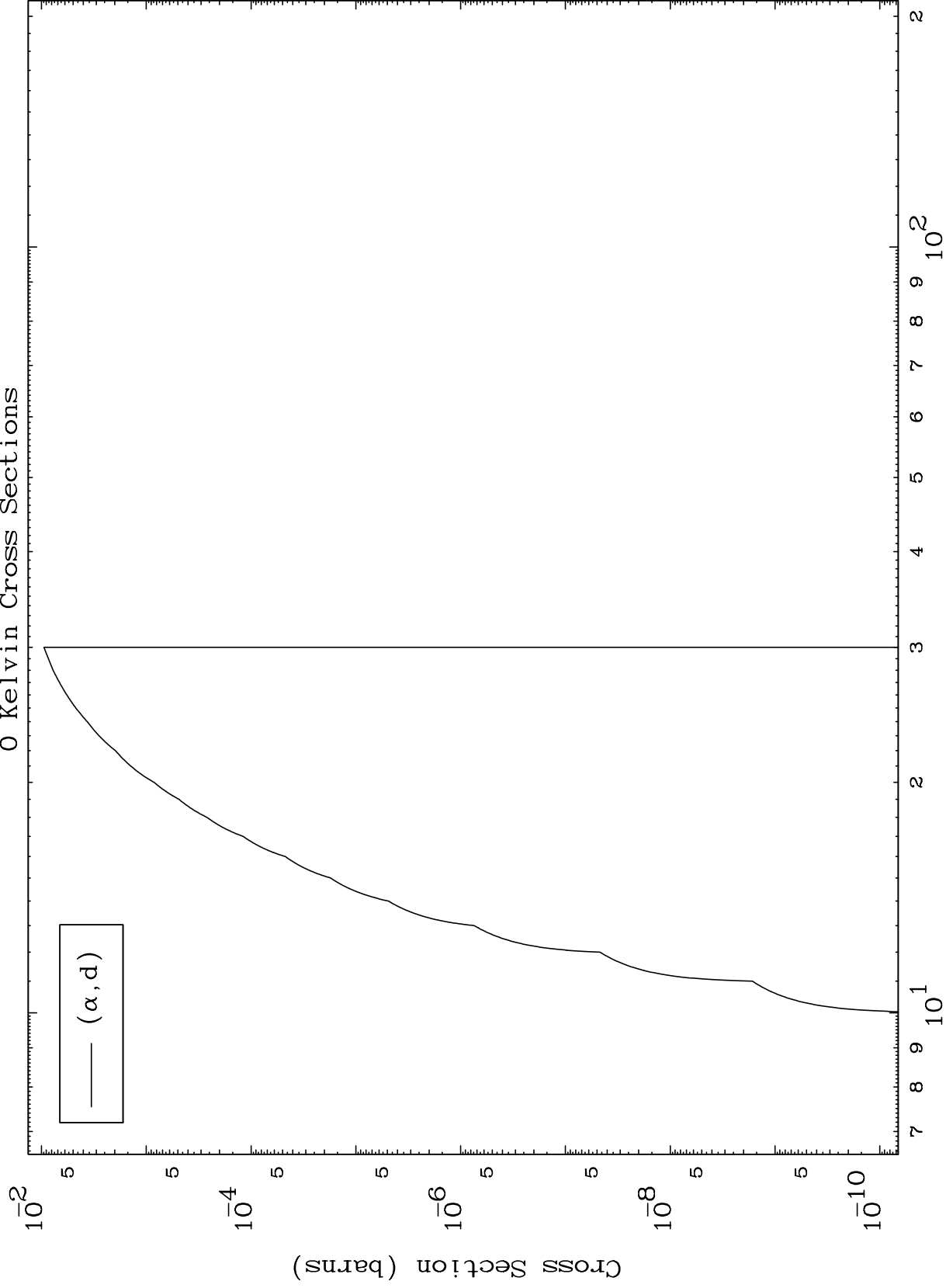
41-Nb-90

MAT 4116

(α, d) Levels

41-Nb-90

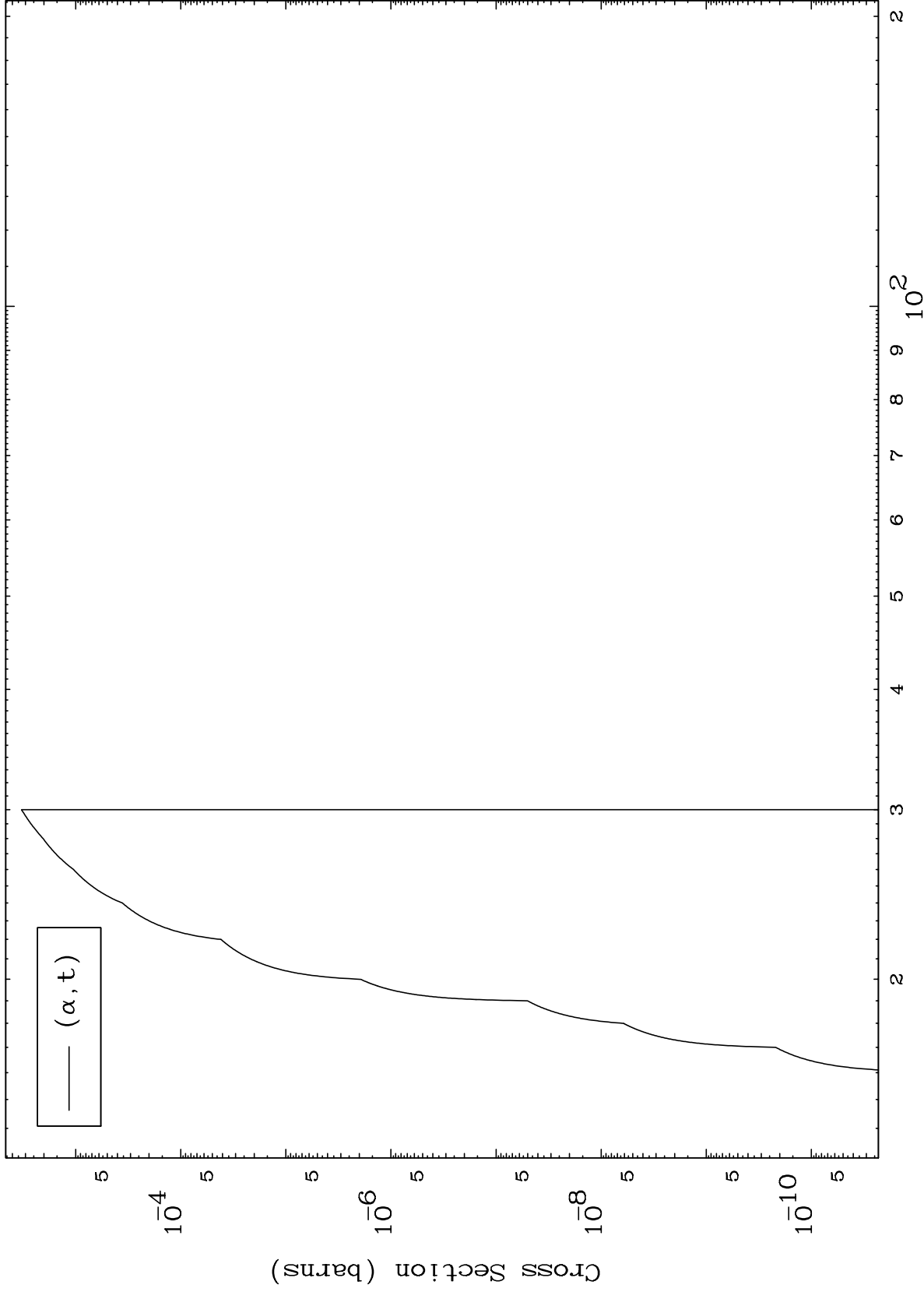
0 Kelvin Cross Sections



7

Incident Energy (MeV)

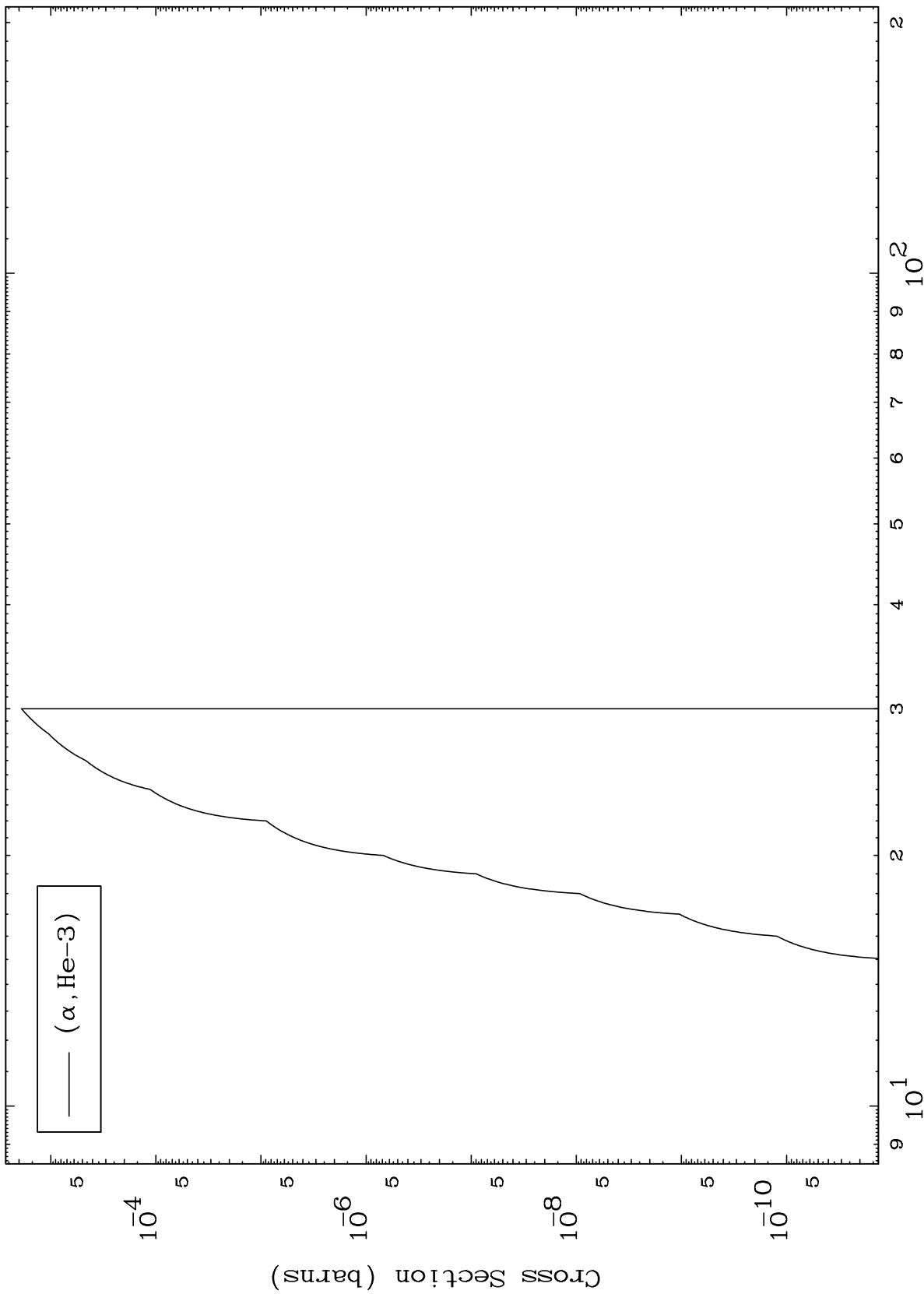
41-Nb-90



MAT 41116

(α , He3) Levels
0 Kelvin Cross Sections

41-Nb-90



Incident Energy (MeV)

41-Nb-90

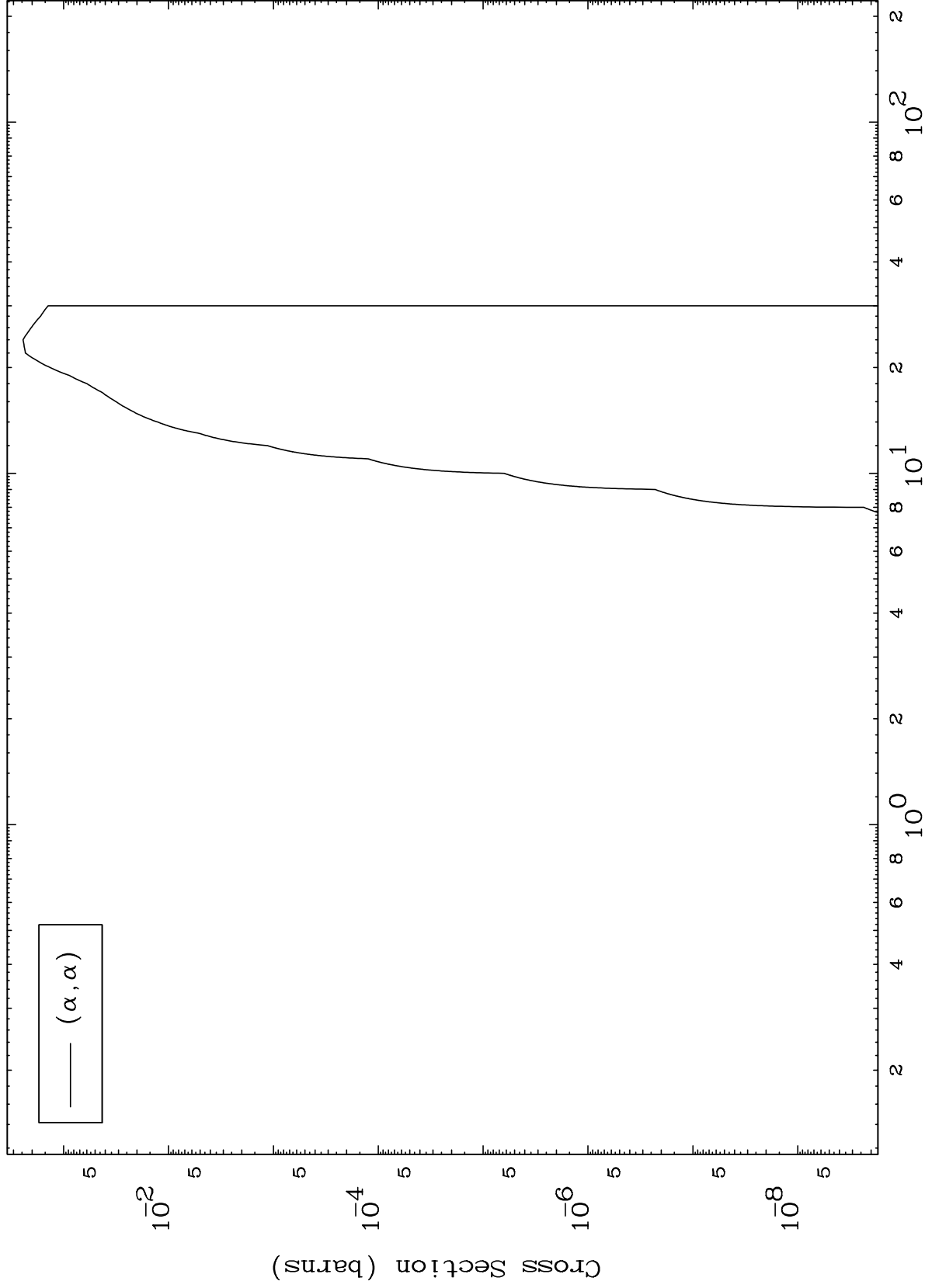
9

MAT 4116

(α, α) Levels

41-Nb-90

0 Kelvin Cross Sections



10

Incident Energy (MeV)

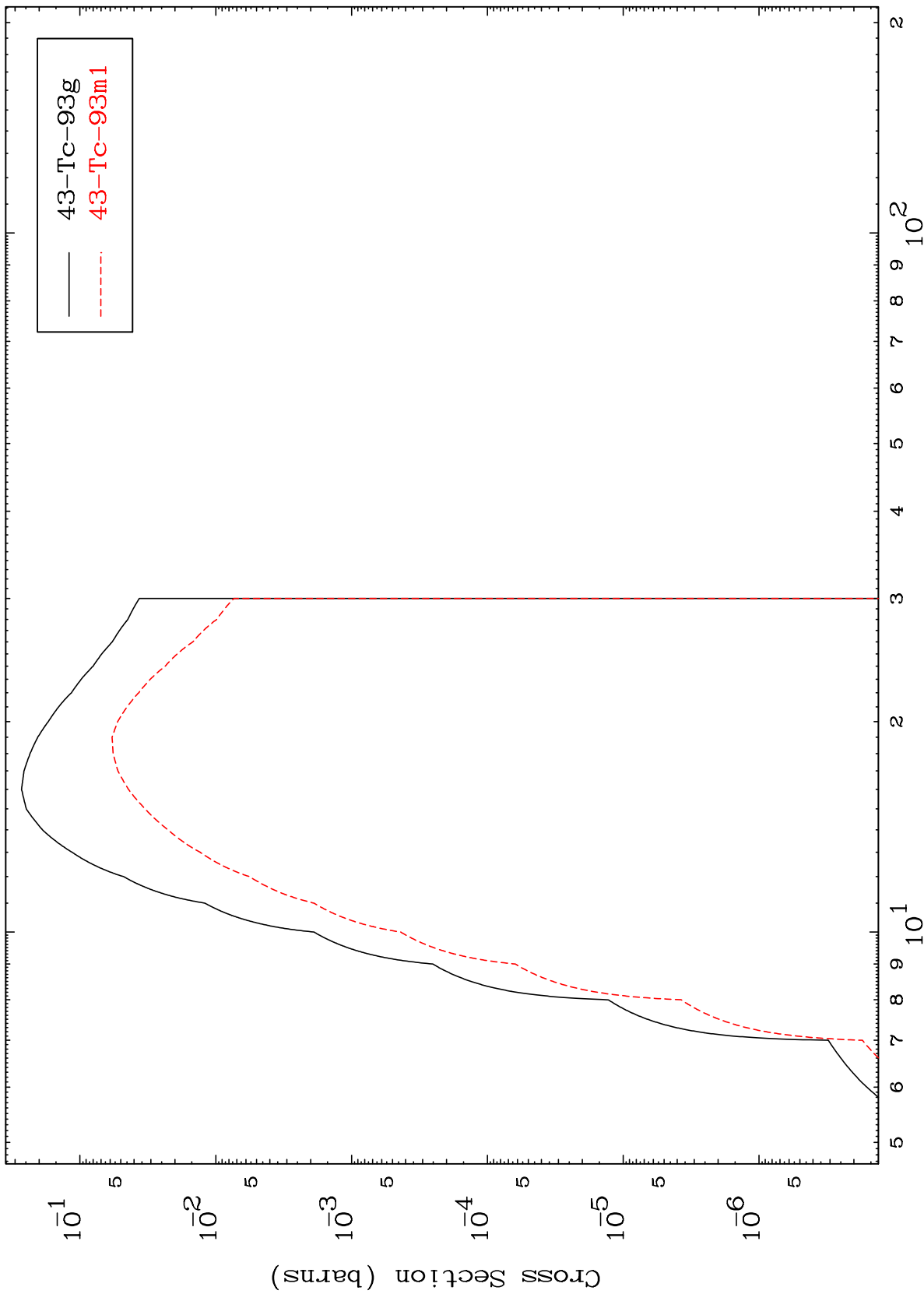
41-Nb-90

MAT 4116

41-Nb-90

Radionuclide Production Cross Section

α Inelastic



11

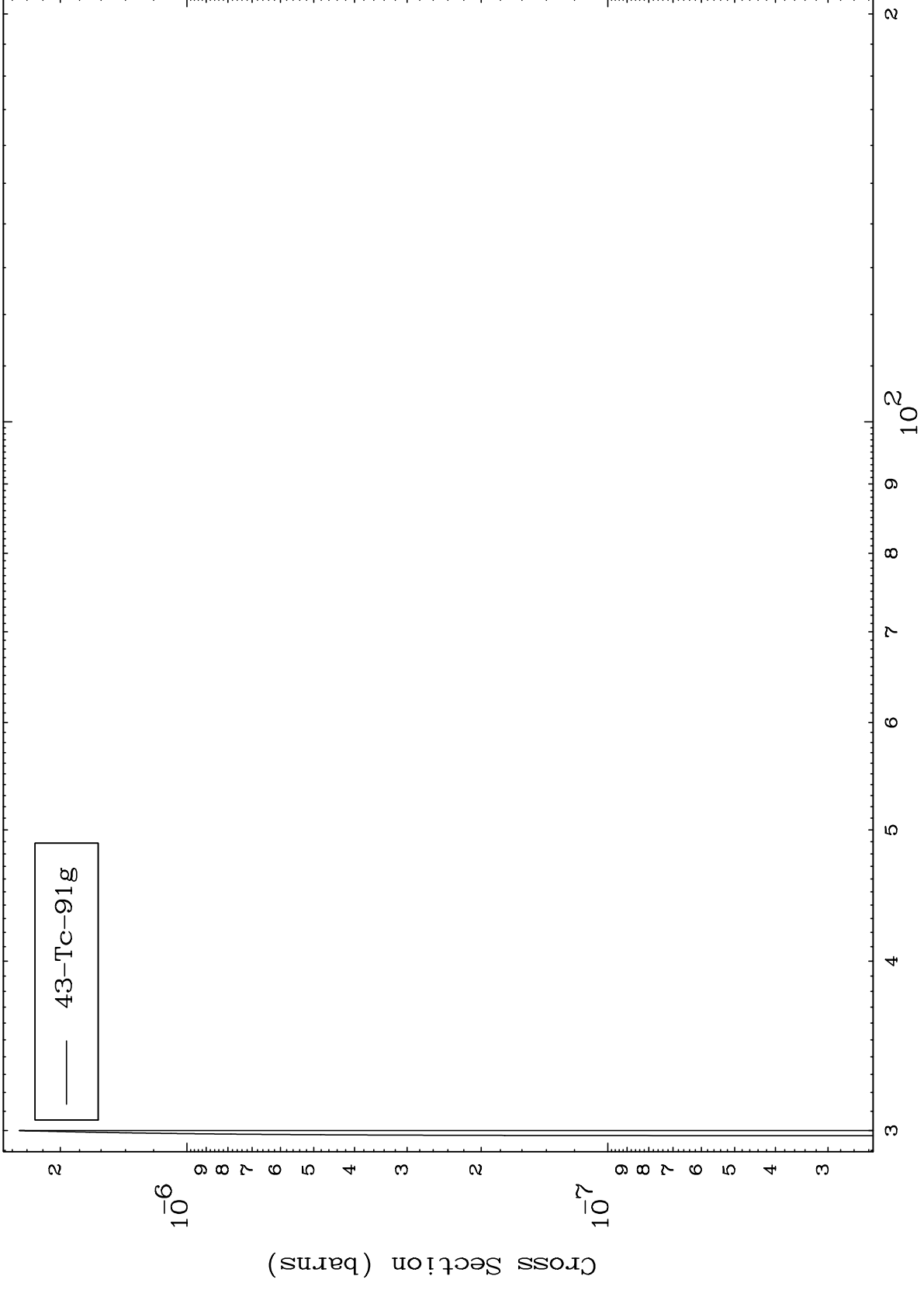
Incident Energy (MeV)

41-Nb-90

MAT 41116

41-Nb-90

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



12

41-Nb-90

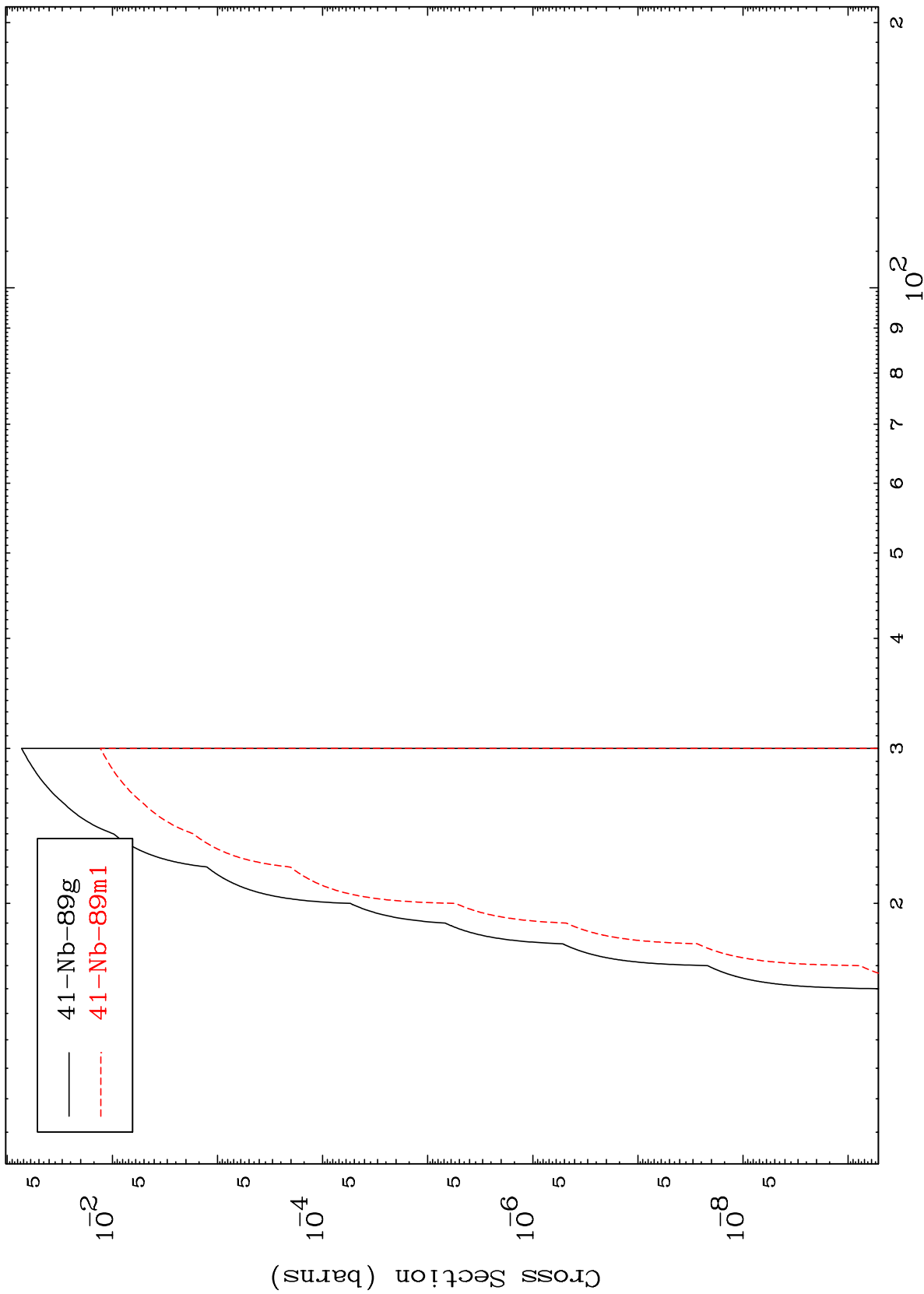
Incident Energy (MeV)

MAT 4116

(α, n') α

41-Nb-90

Radionuclide Production Cross Section



13

Incident Energy (MeV)

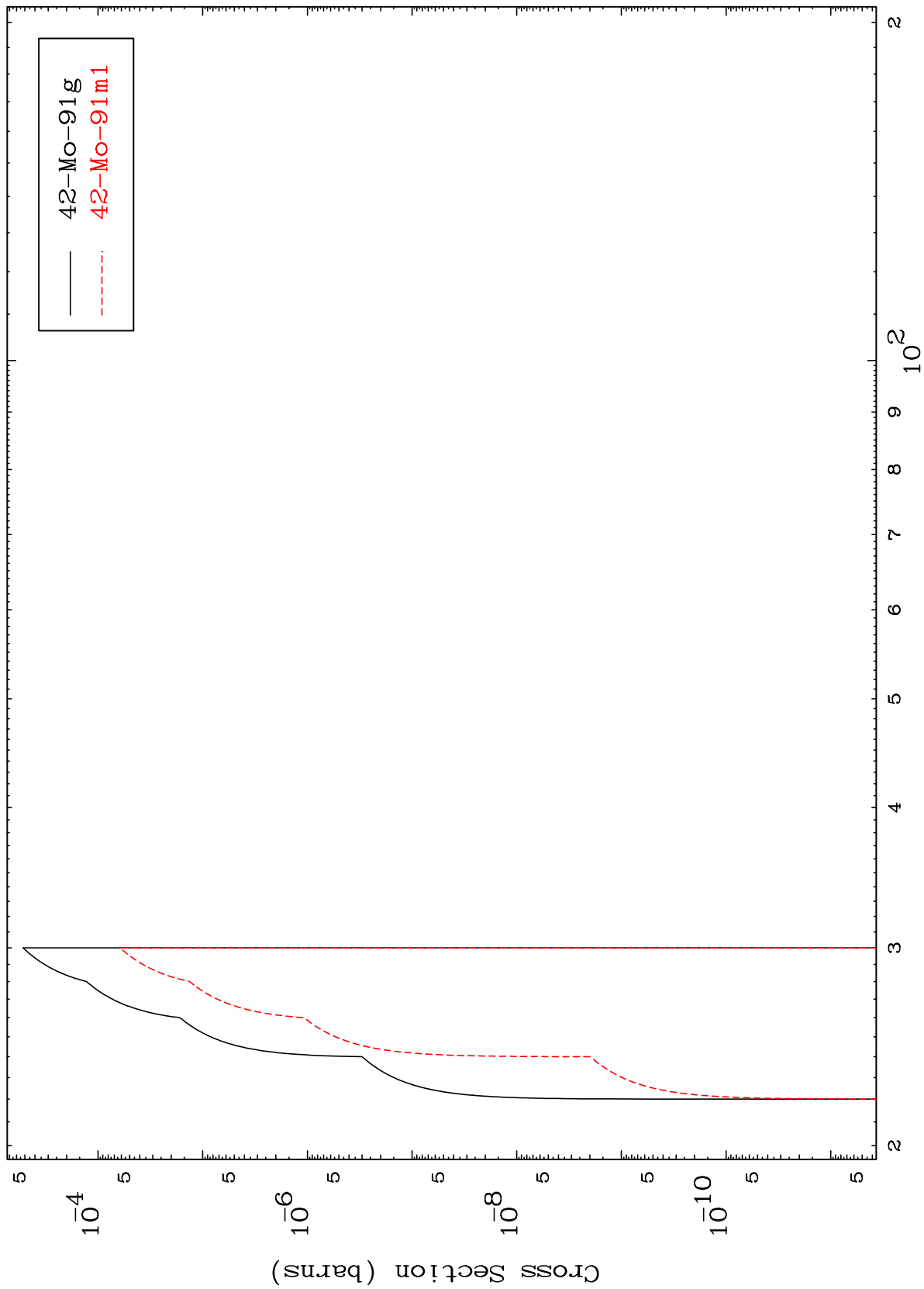
41-Nb-90

MAT 4116

(α, n') d

41-Nb-90

Radionuclide Production Cross Section



14

Incident Energy (MeV)

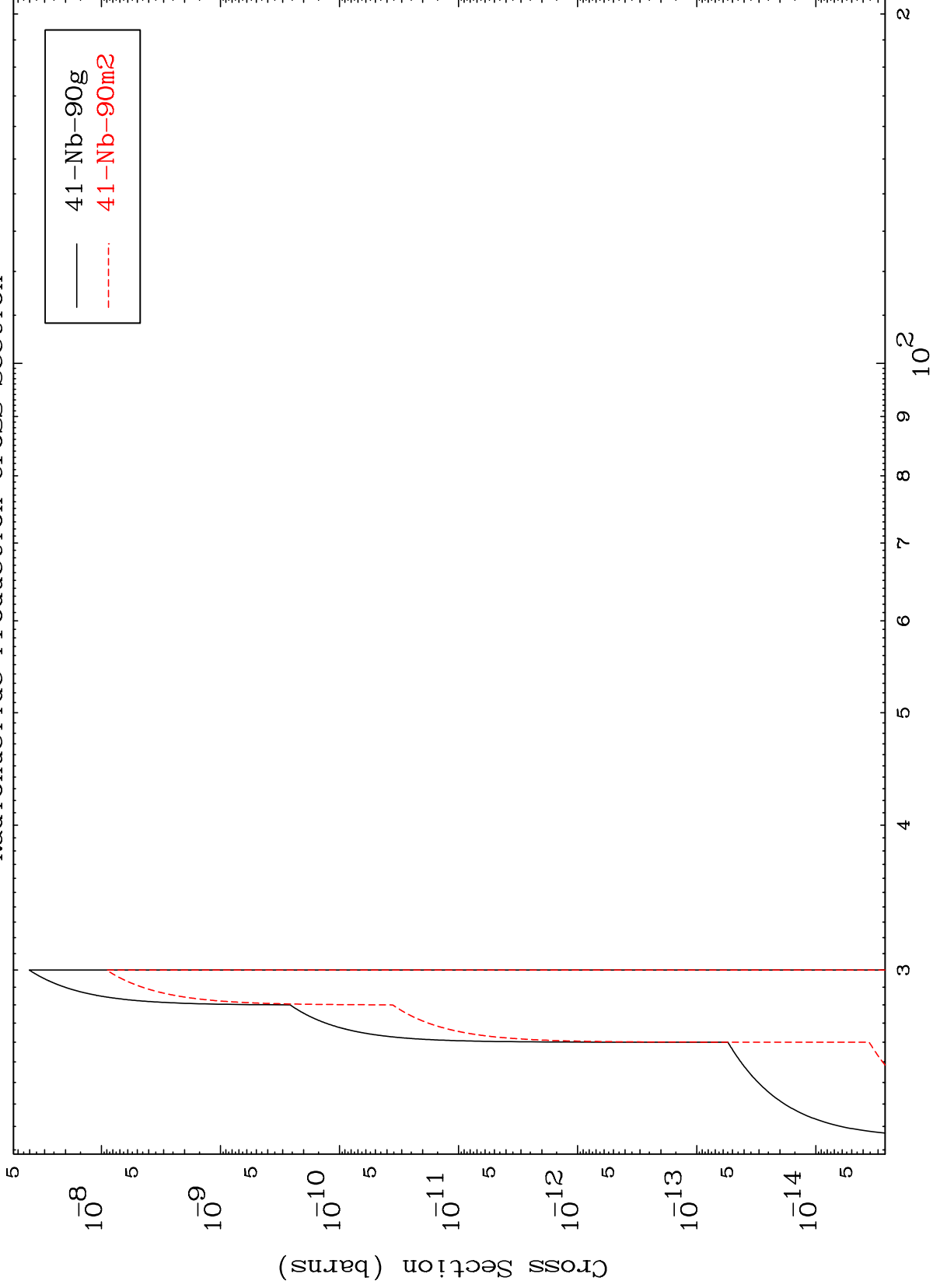
41-Nb-90

MAT 41116

(α, n') He-3

41-Nb-90

Radionuclide Production Cross Section



15

Incident Energy (MeV)

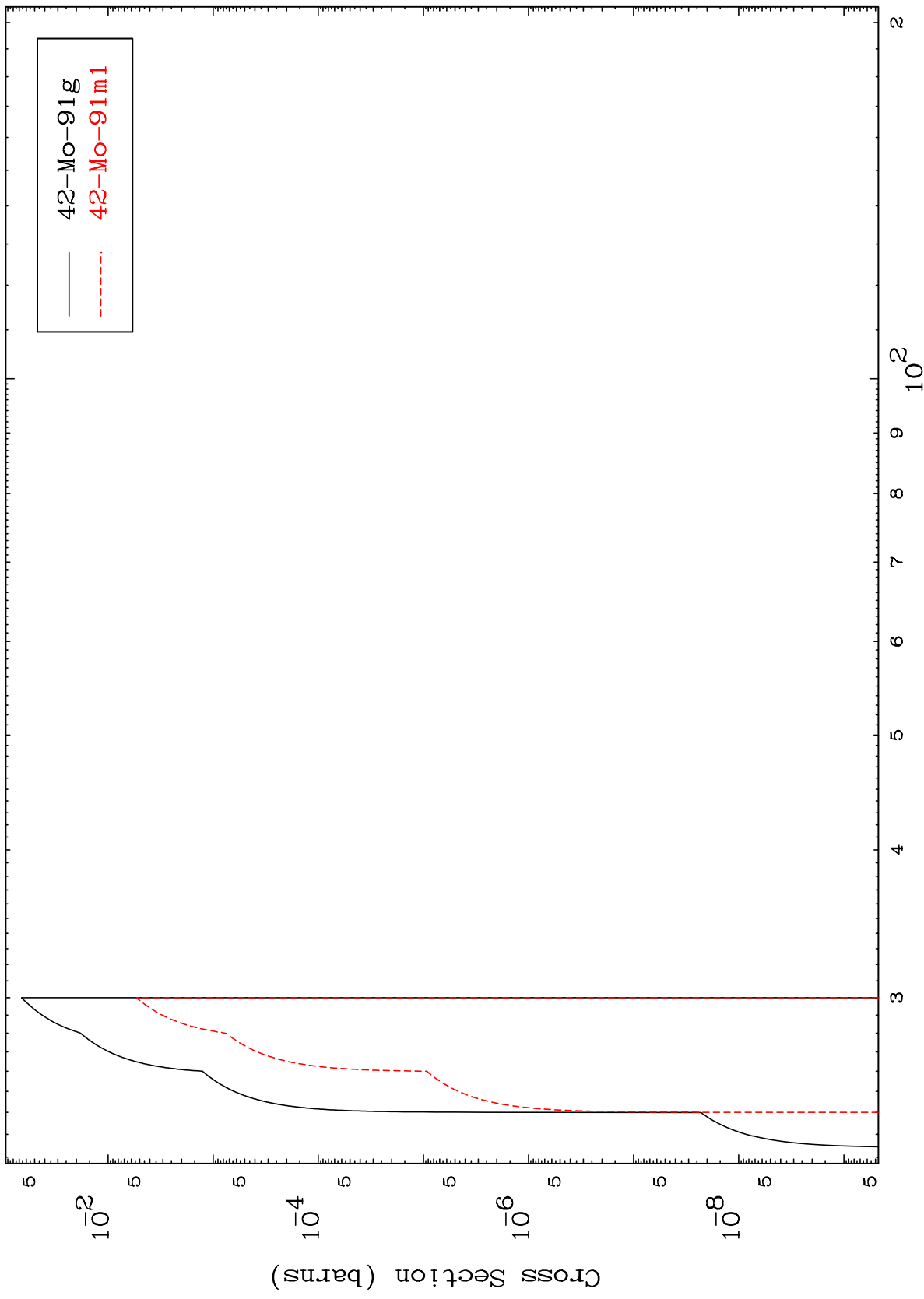
41-Nb-90

MAT 4116

($\alpha, 2n$) p

41-Nb-90

Radionuclide Production Cross Section



16

Incident Energy (MeV)

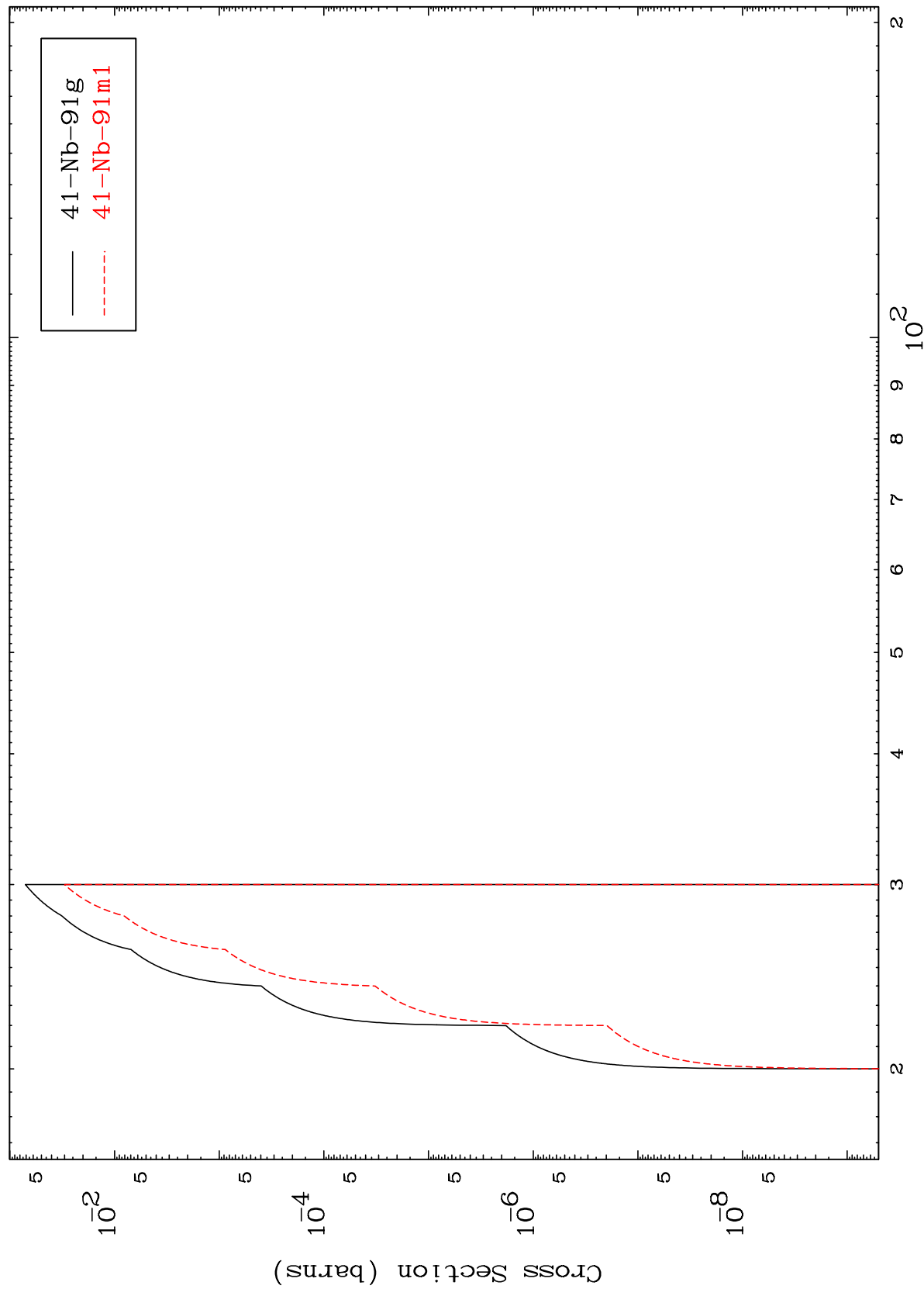
41-Nb-90

MAT 4116

($\alpha, 2n$) p

41-Nb-90

Radionuclide Production Cross Section



17

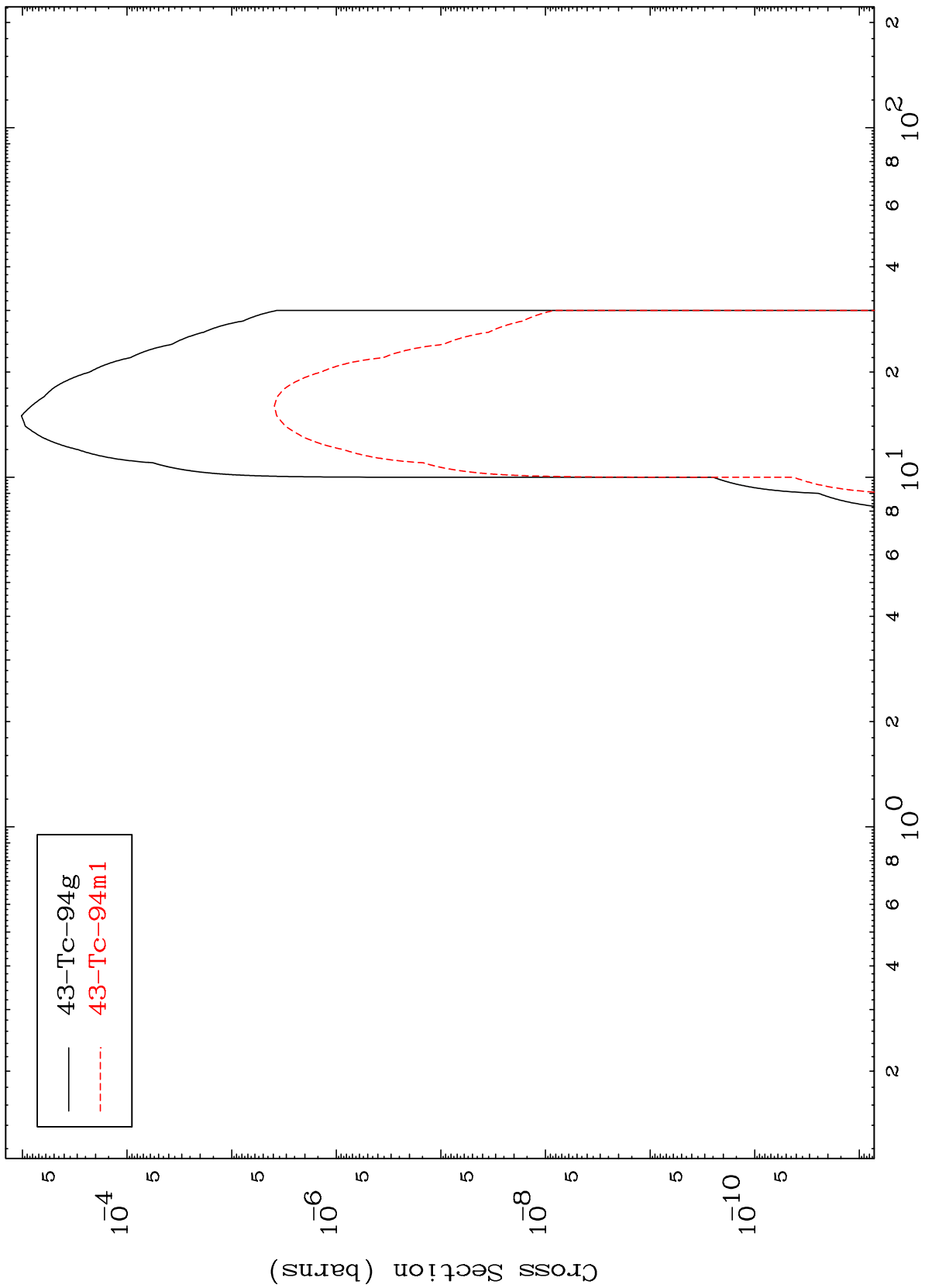
Incident Energy (MeV)

41-Nb-90

MAT 4116

41-Nb-90

(α, γ)
Radionuclide Production Cross Section



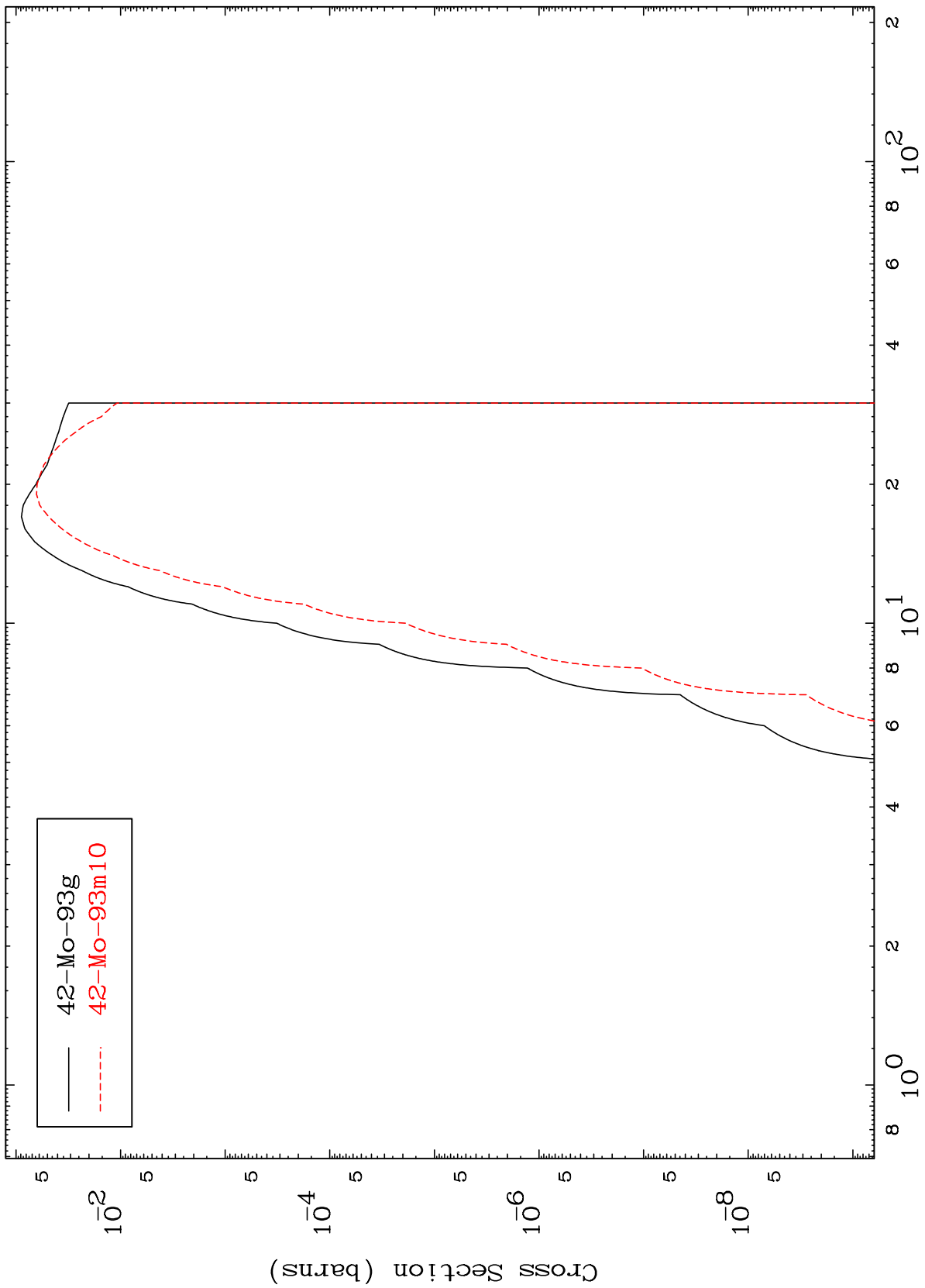
18

41-Nb-90

MAT 4116

41-Nb-90

(α, p)
Radionuclide Production Cross Section

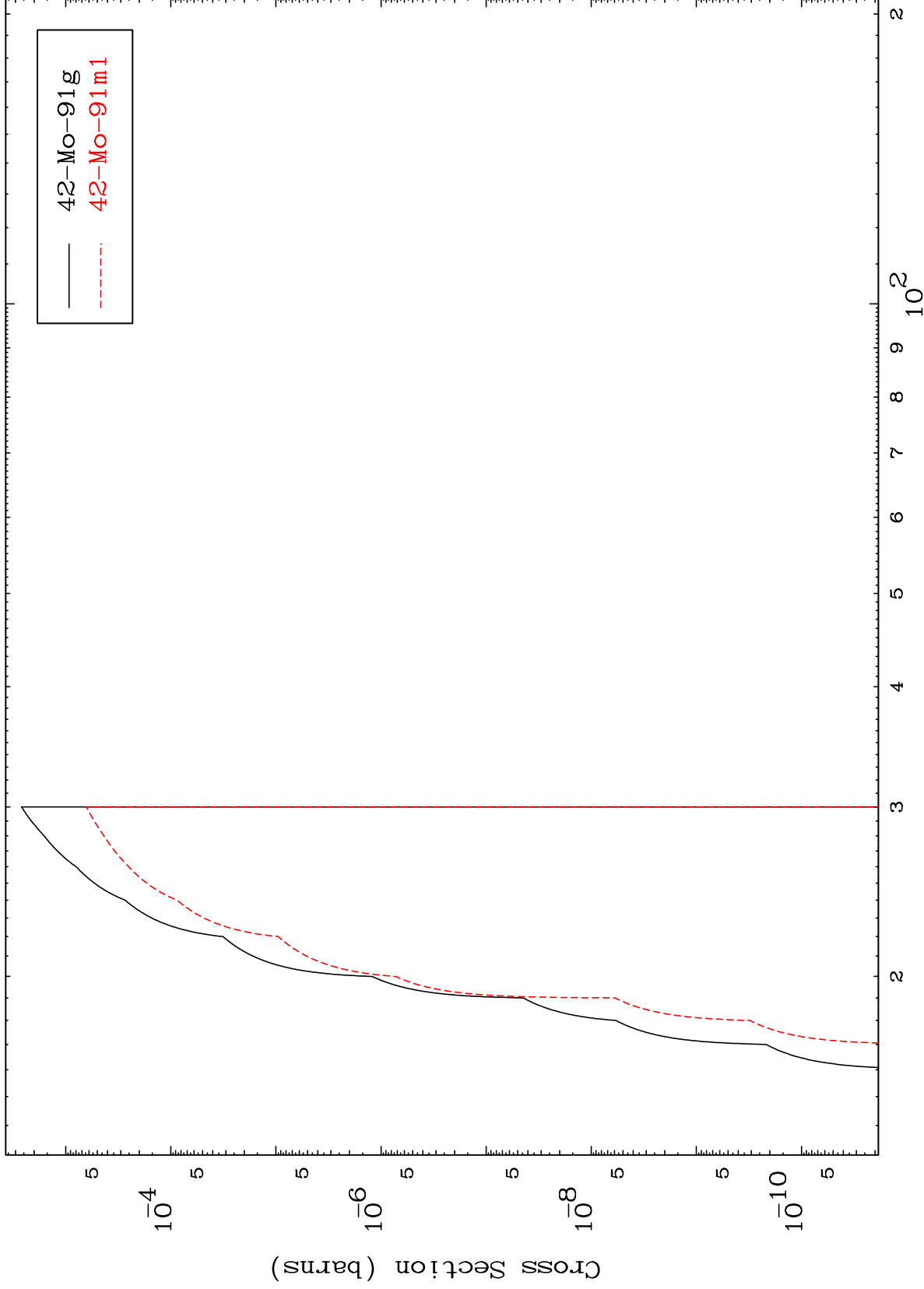


19

Incident Energy (MeV)

41-Nb-90

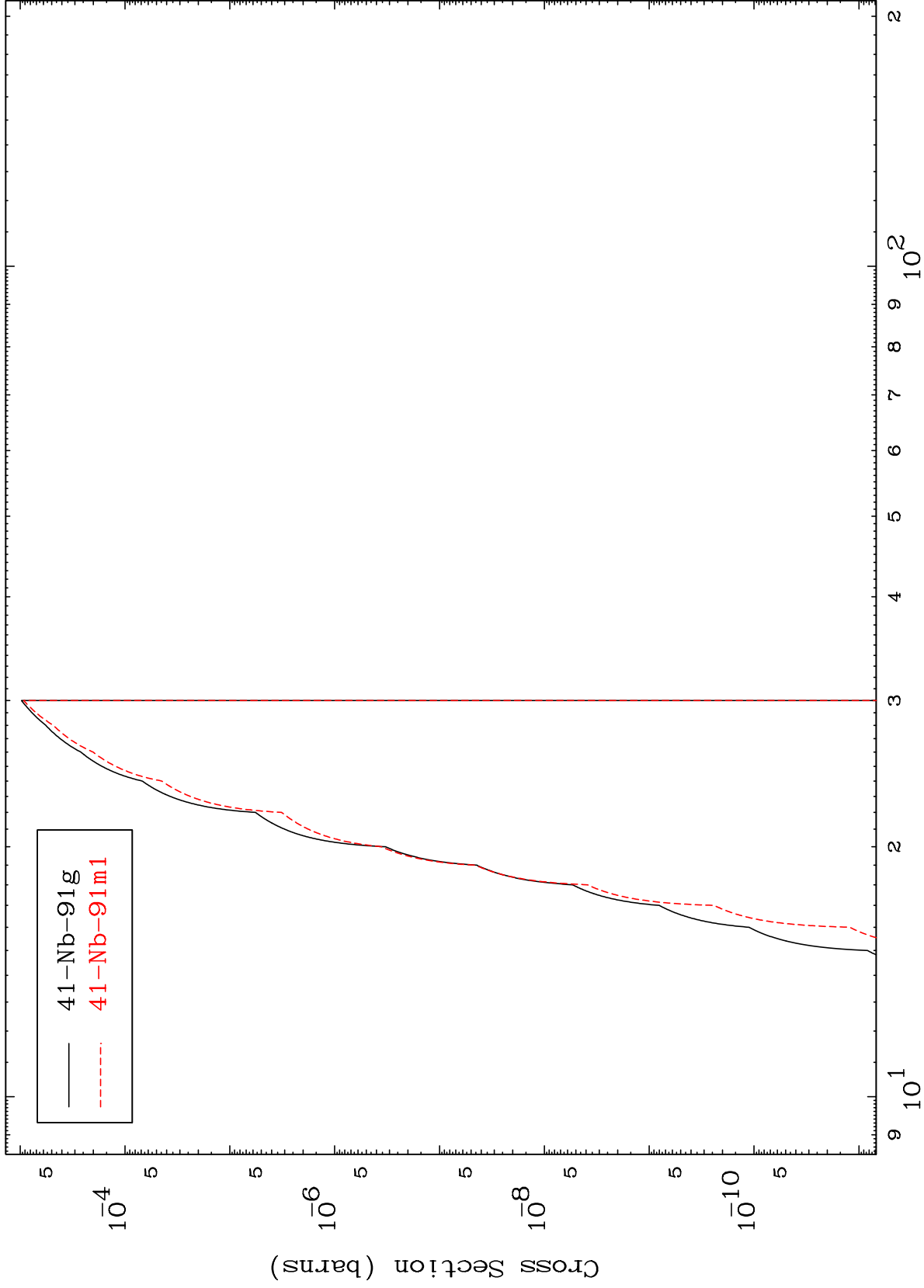
Radionuclide Production Cross Section



MAT 41116

41-Nb-90

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



21

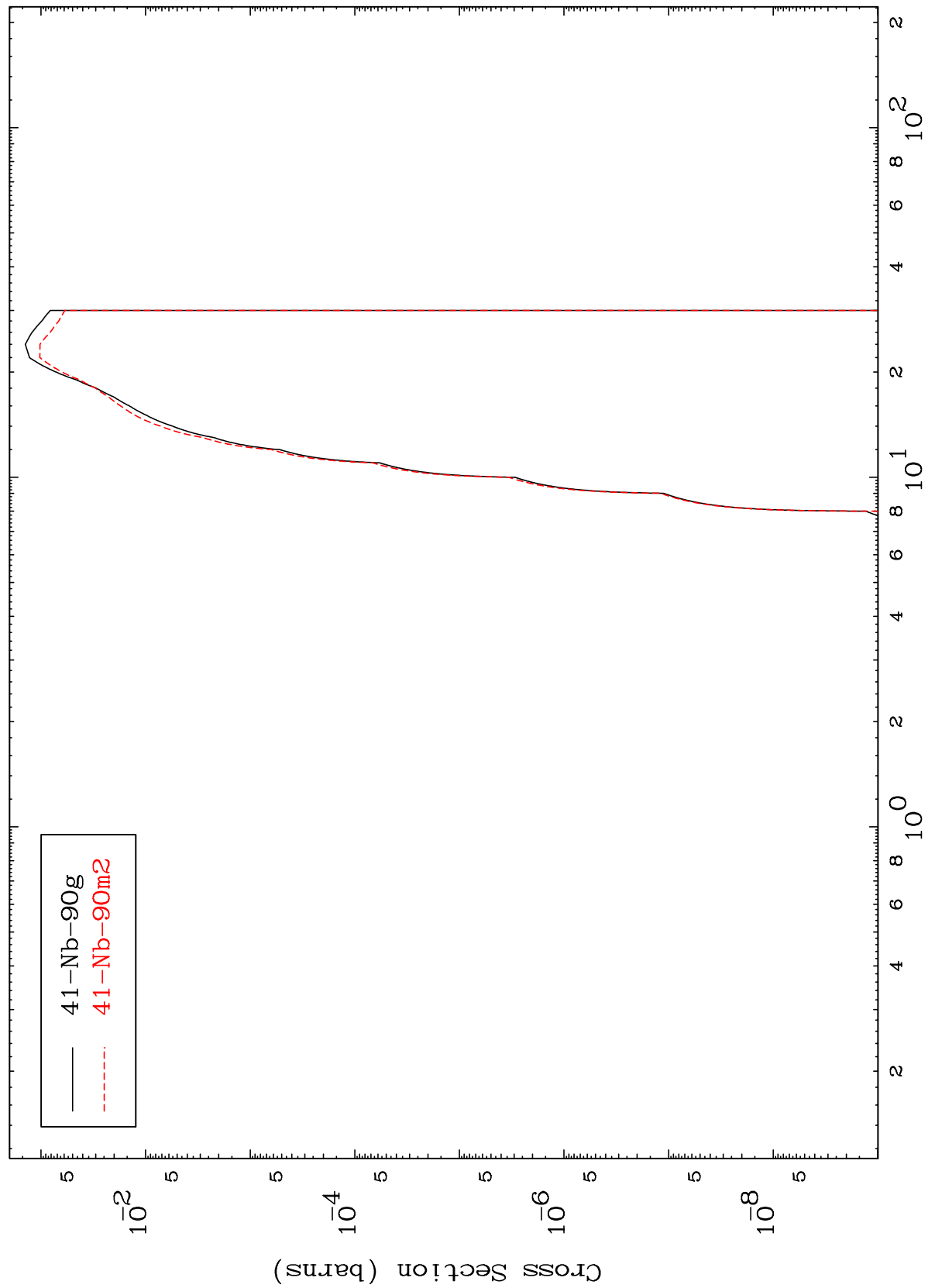
Incident Energy (MeV)

41-Nb-90

MAT 4116

41-Nb-90

Radionuclide Production Cross Section
(α, α)



41-Nb-90g
41-Nb-90m2

41-Nb-90

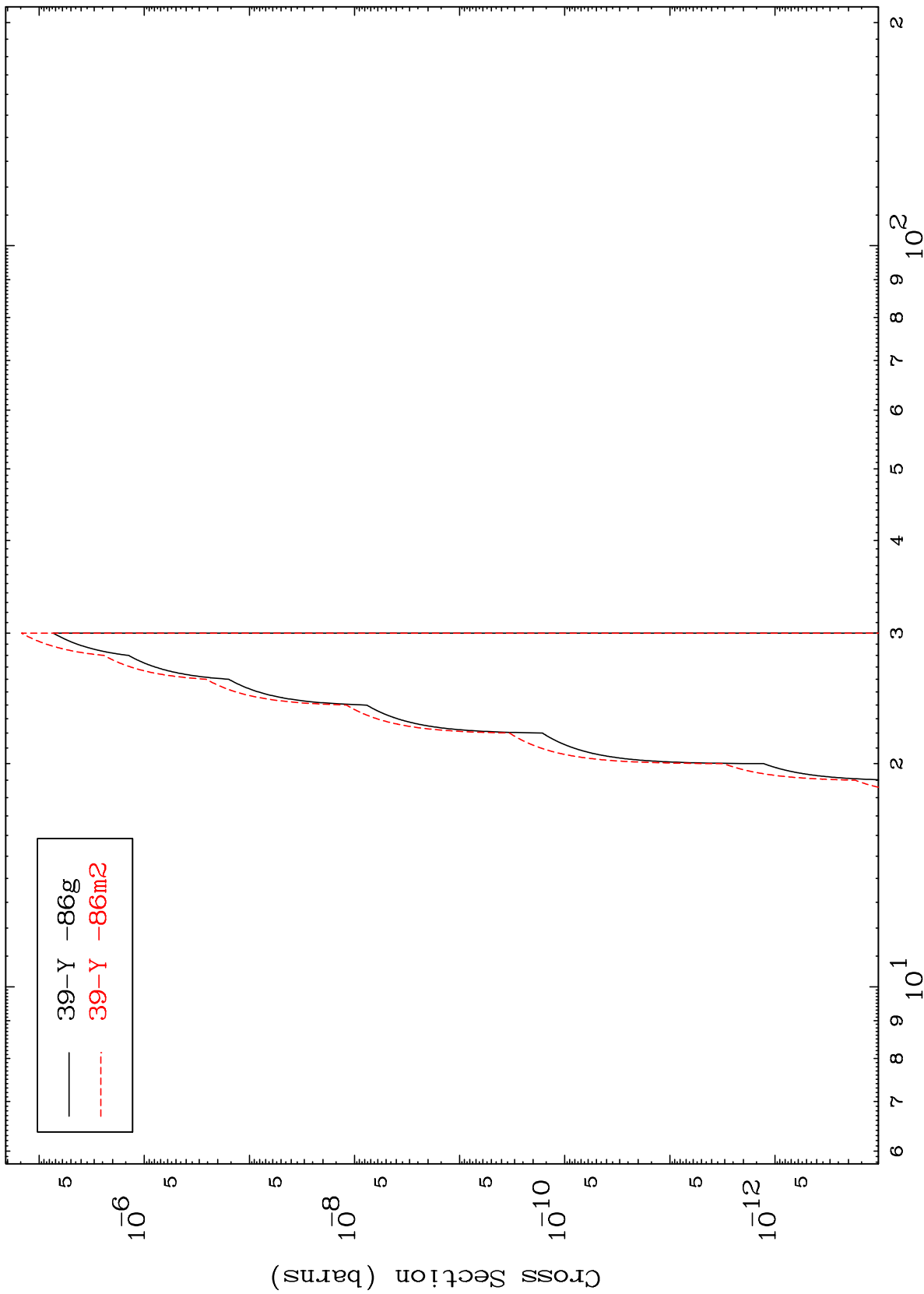
Incident Energy (MeV)

22

MAT 4116

41-Nb-90

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

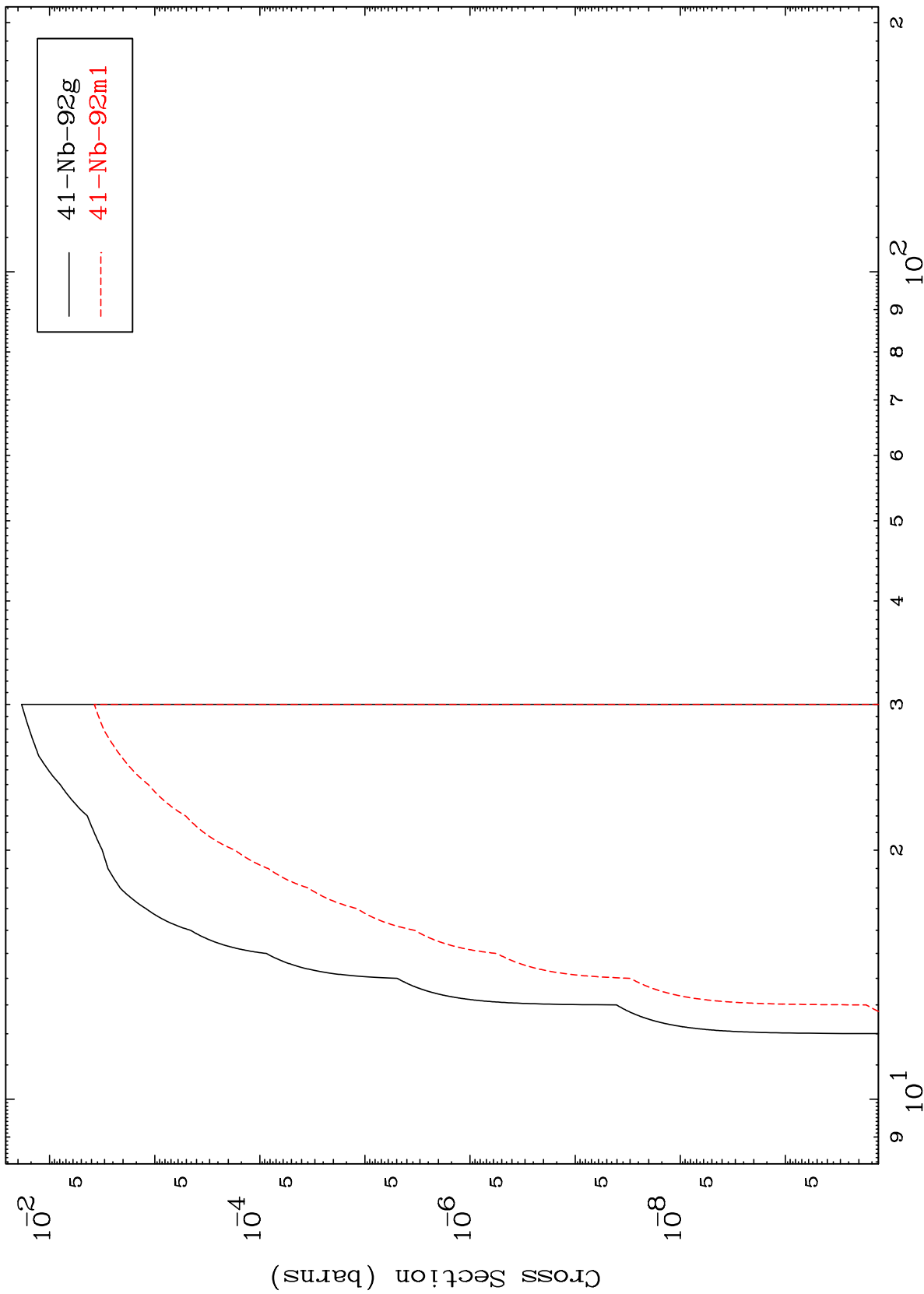


— 39-Y -86g
- - - 39-Y -86m2

MAT 4116

41-Nb-90

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



24

Incident Energy (MeV)

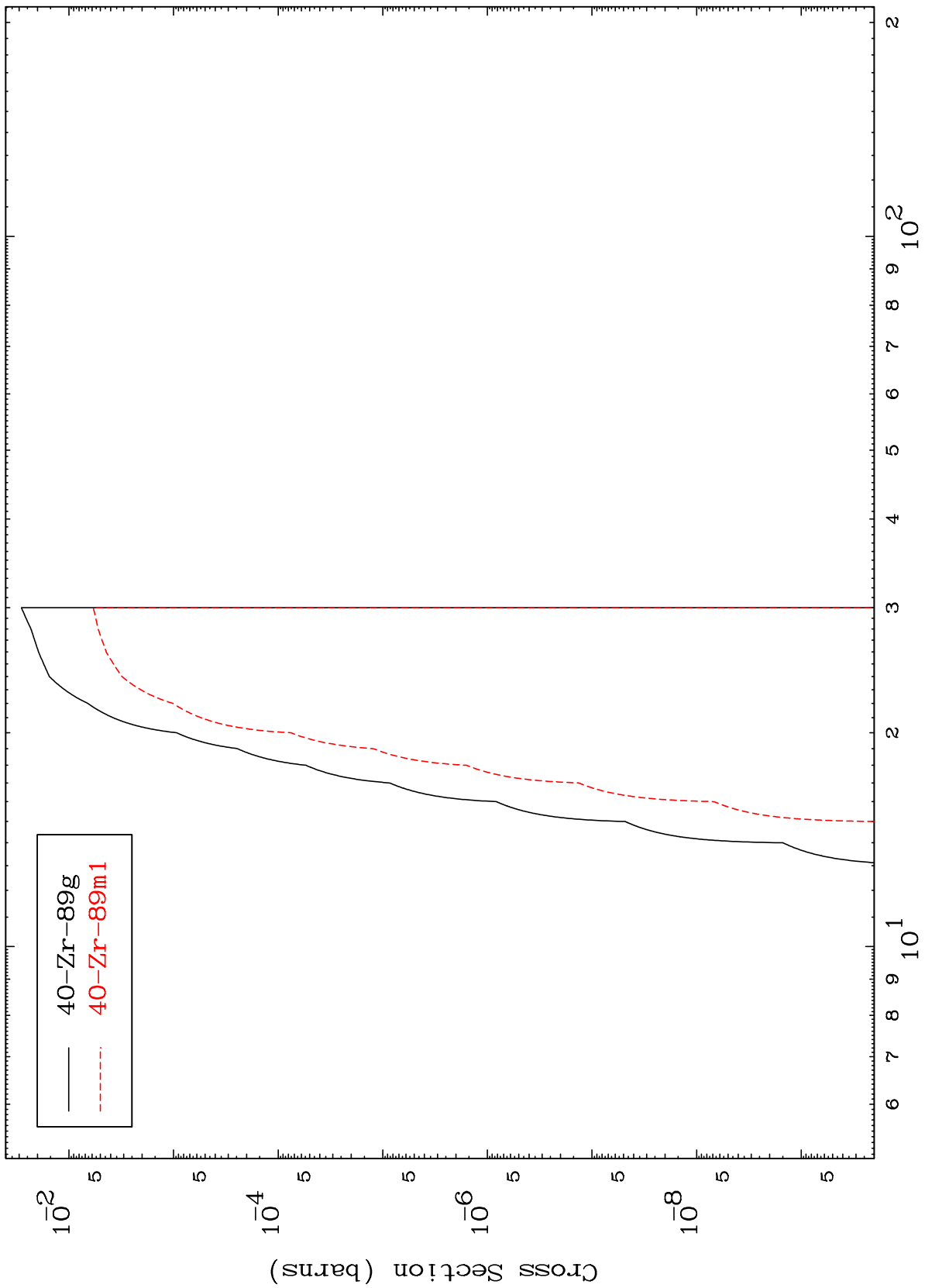
41-Nb-90

MAT 4116

(α, p) α

41-Nb-90

Radionuclide Production Cross Section



— 40-Zr-89g
- - - 40-Zr-89m1

25

Incident Energy (MeV)

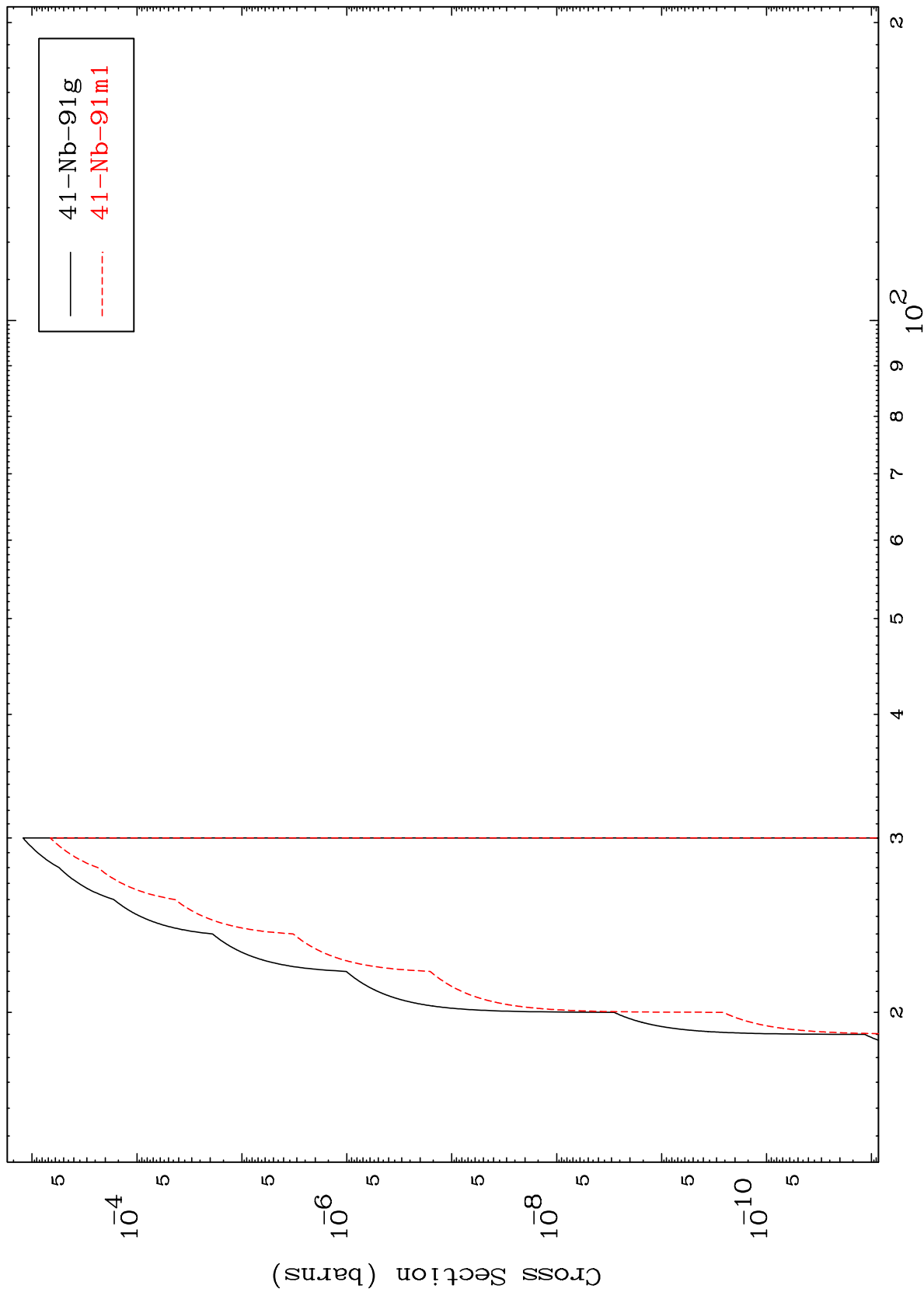
41-Nb-90

MAT 41116

(α, p) d

41-Nb-90

Radionuclide Production Cross Section



26

Incident Energy (MeV)

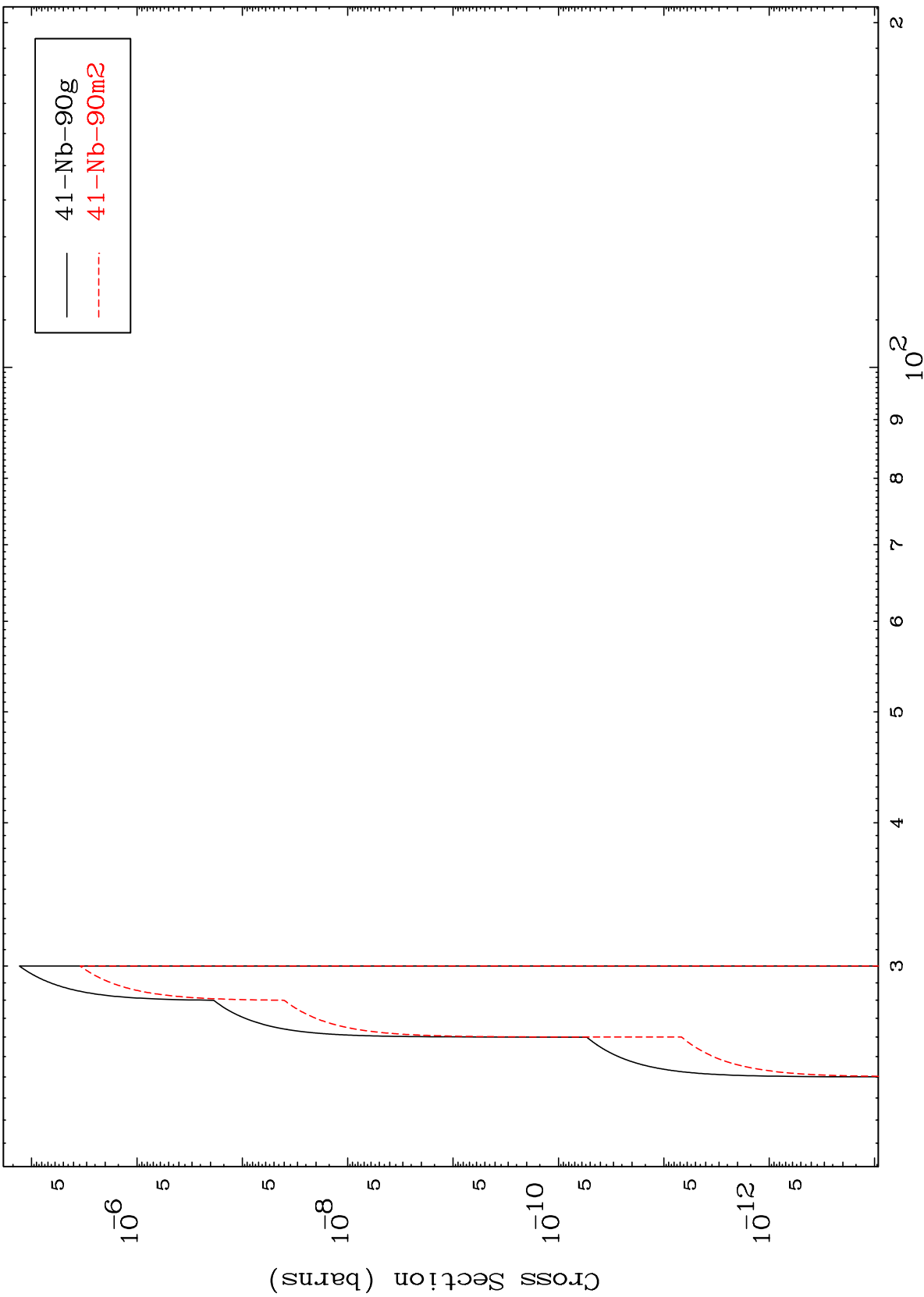
41-Nb-90

MAT 4116

(α, p) t

41-Nb-90

Radionuclide Production Cross Section



27

Incident Energy (MeV)

41-Nb-90