

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

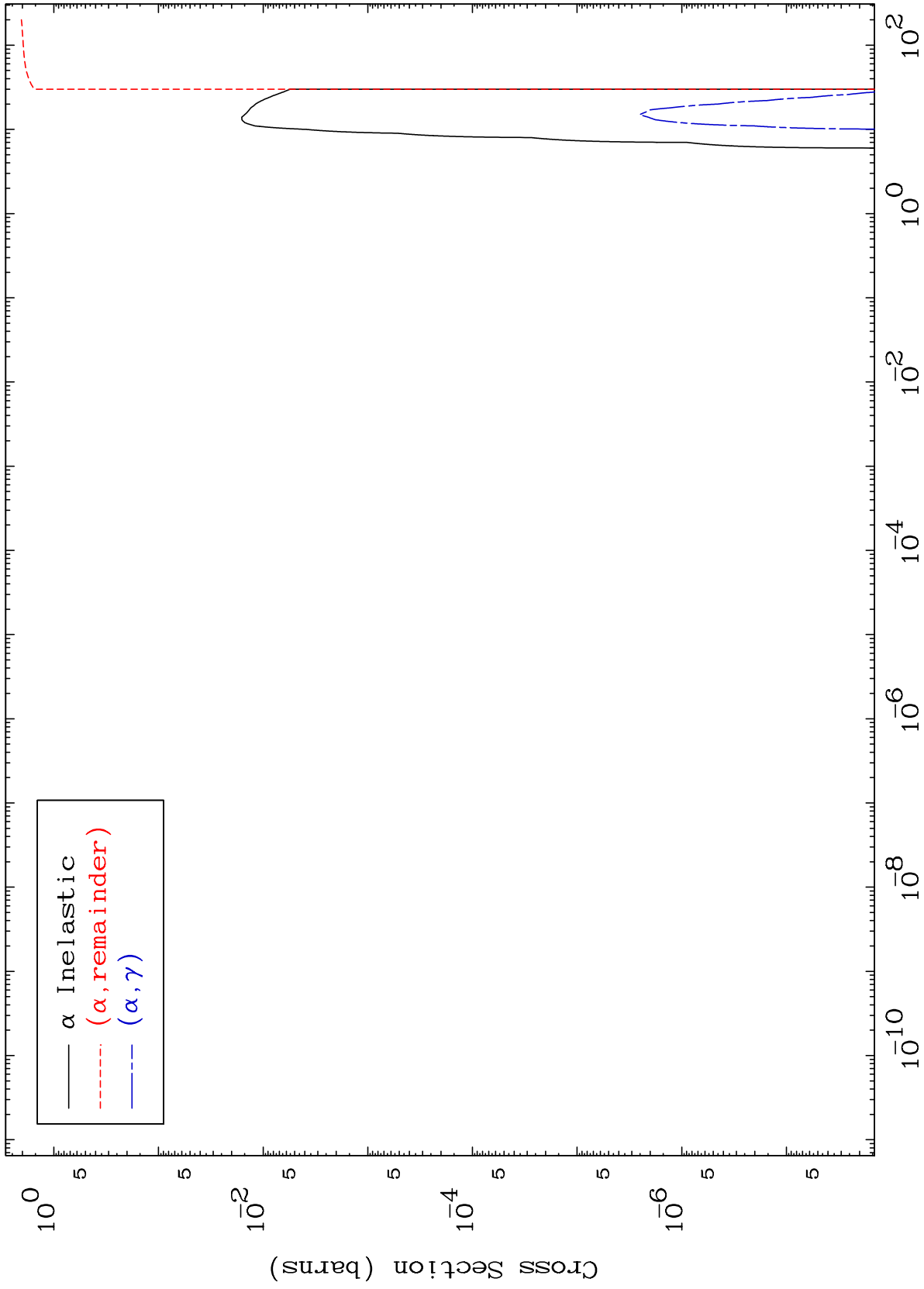
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4149

0 Kelvin α Major
Cross Sections

41-Nb-101



1

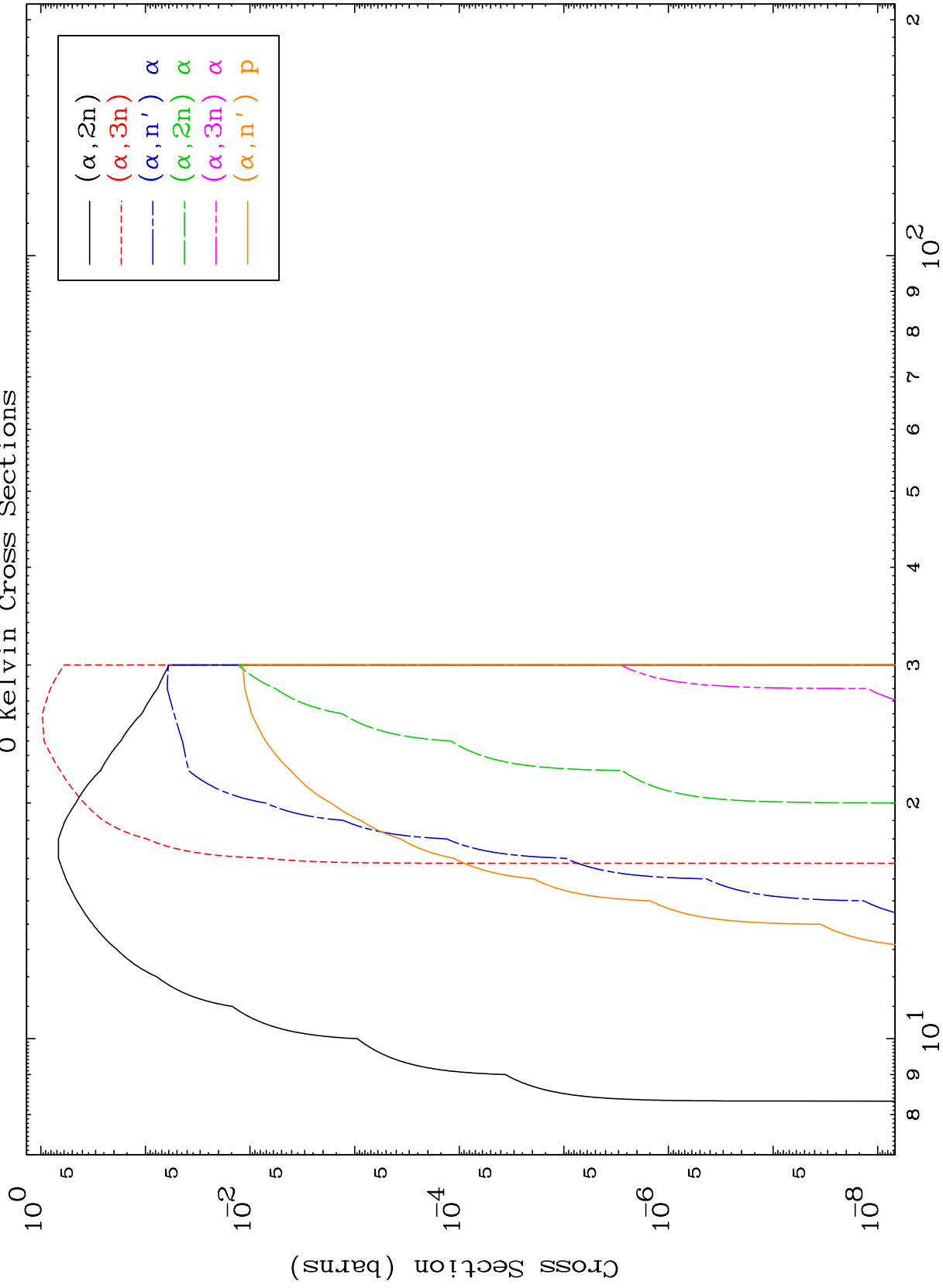
Incident Energy (MeV)

41-Nb-101

MAT 4149

α Neutron Production
0 Kelvin Cross Sections

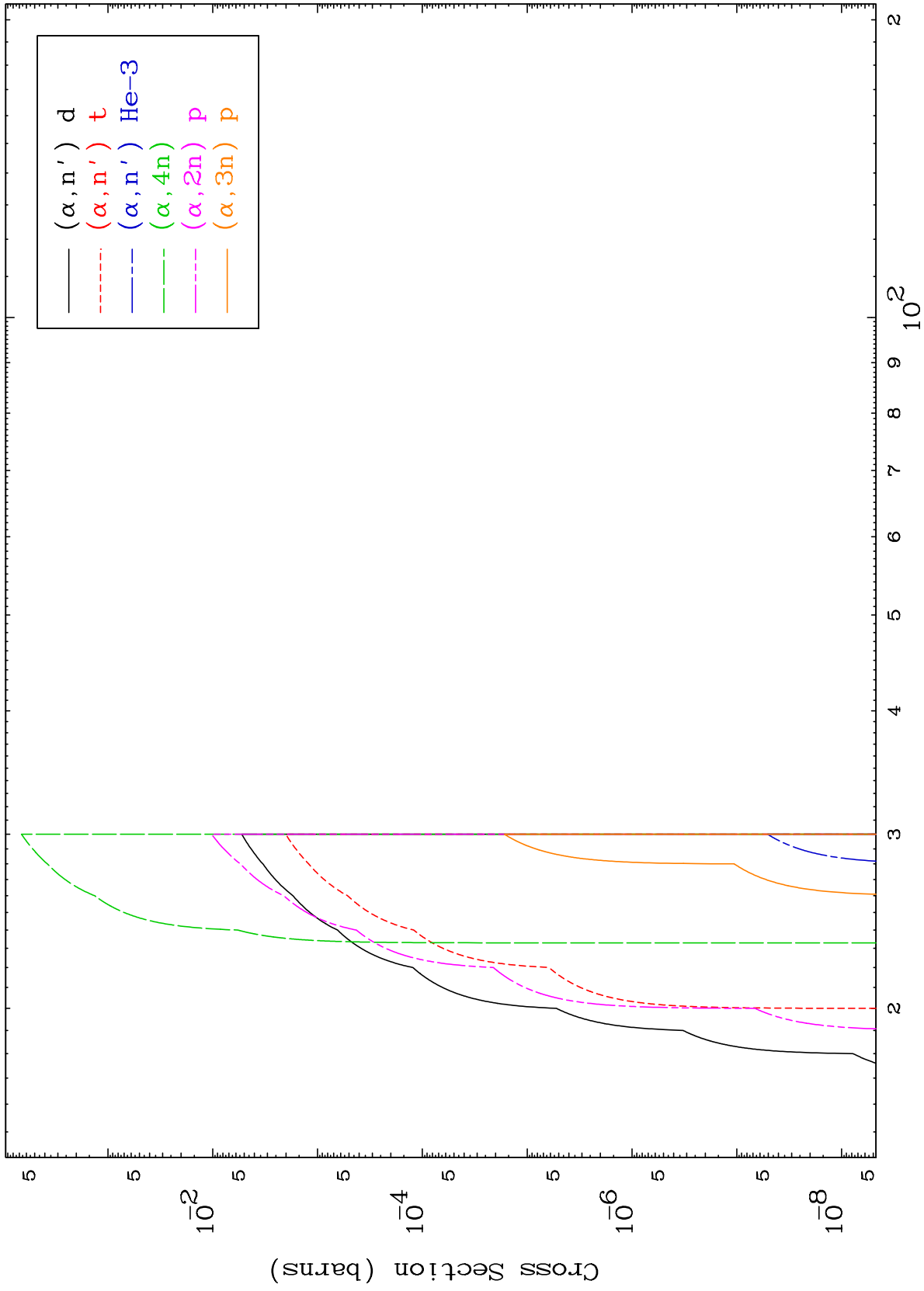
41-Nb-101

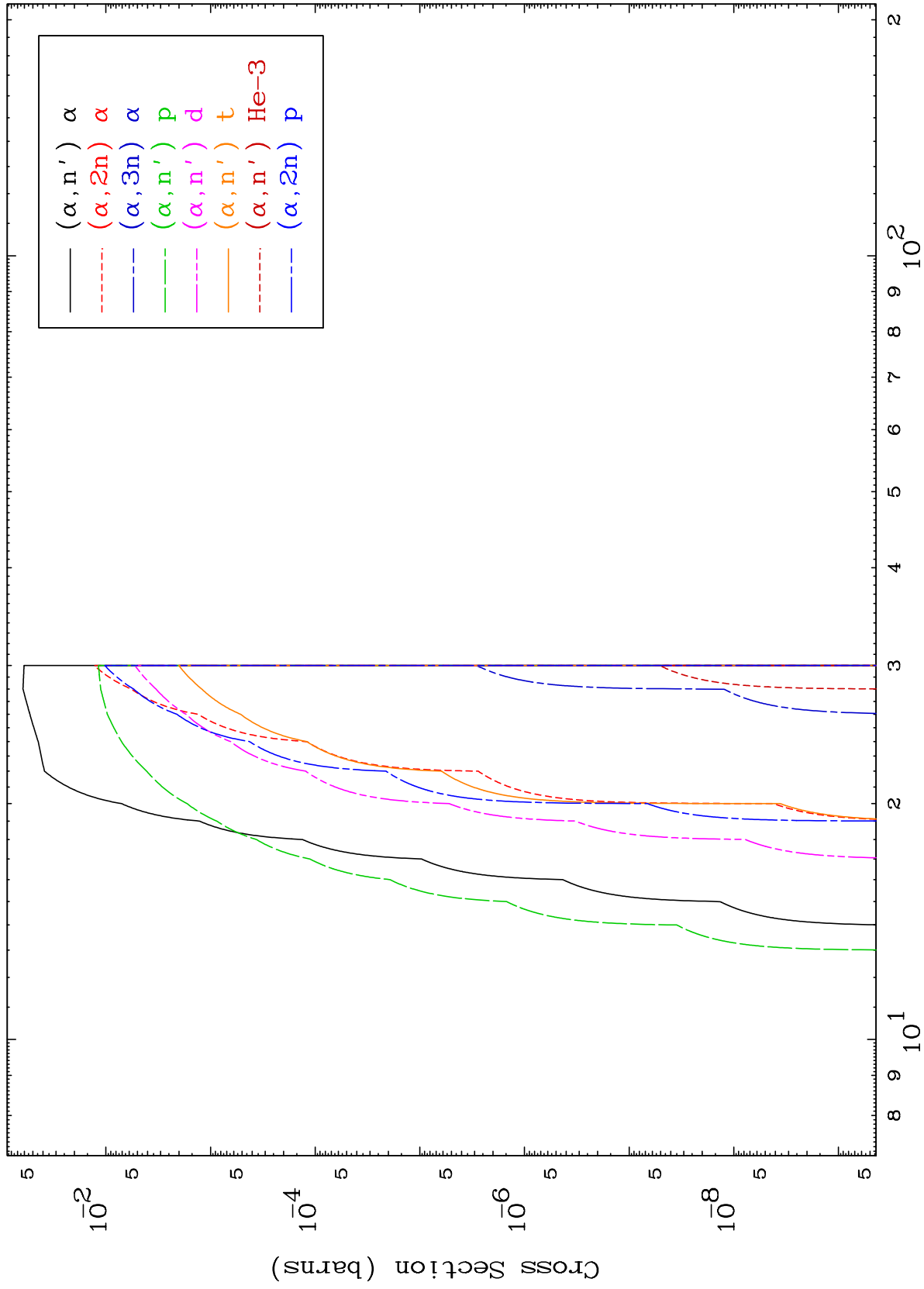


2

Incident Energy (MeV)

41-Nb-101

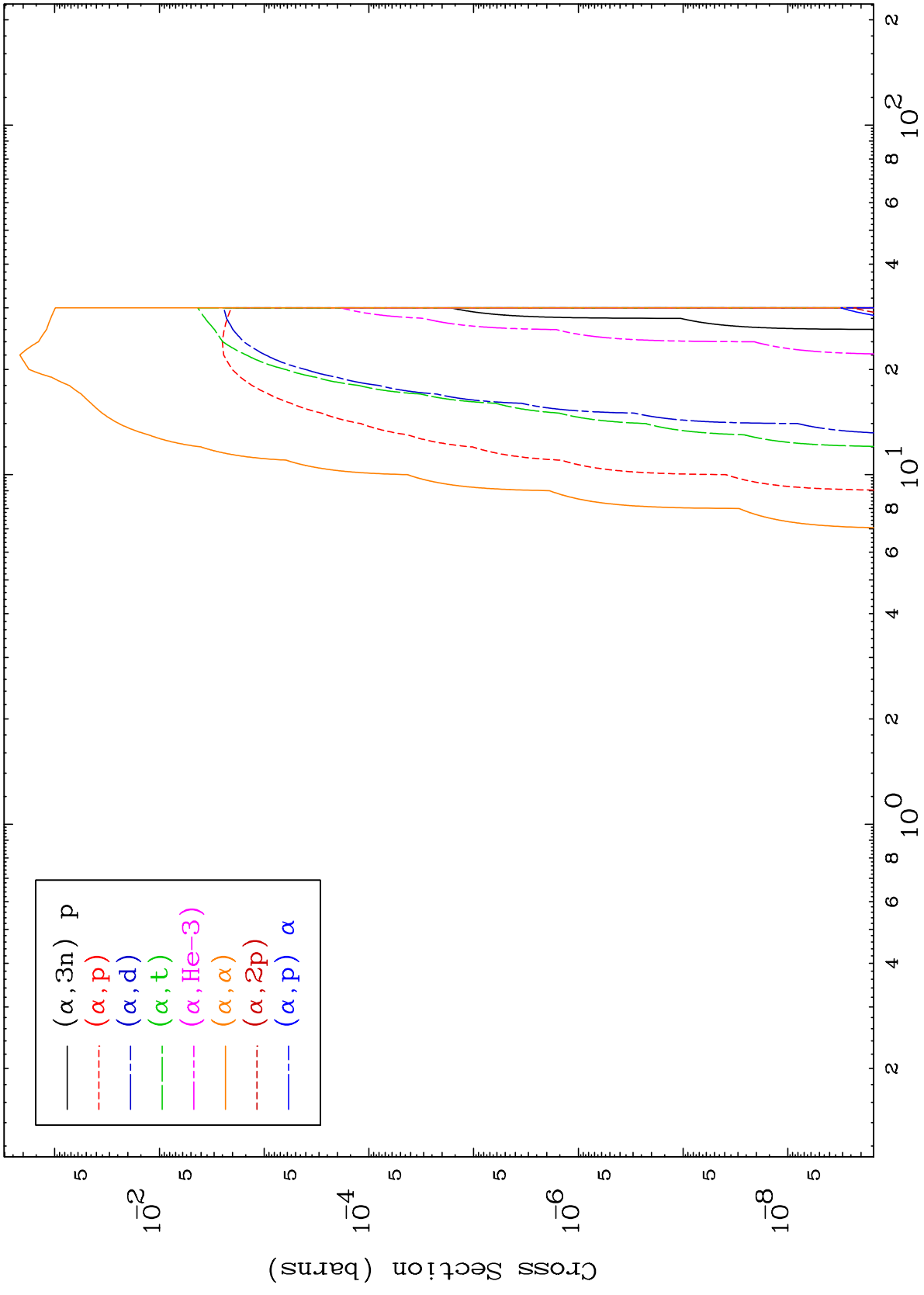




MAT 4149

α Charged Particle
0 Kelvin Cross Sections

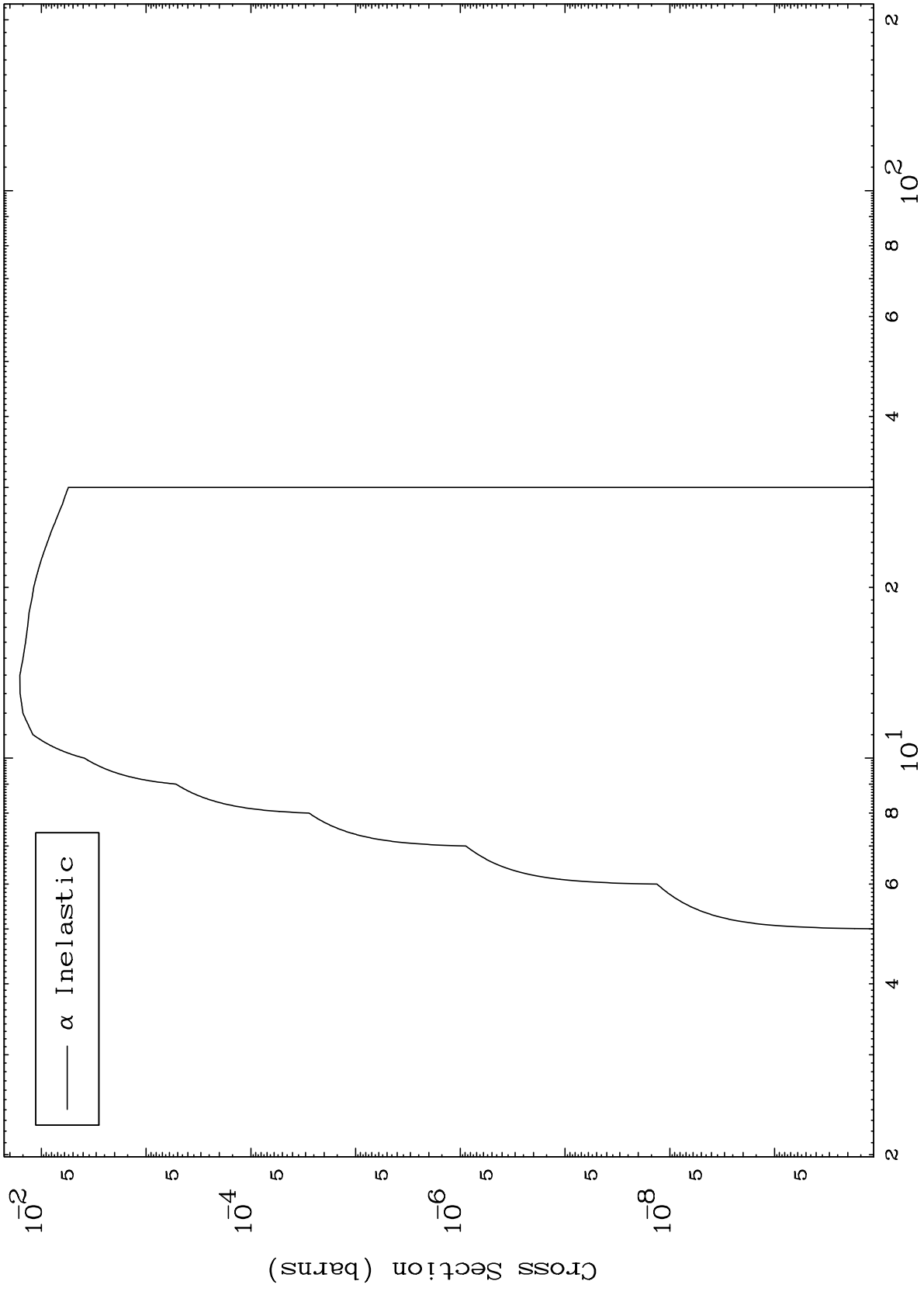
41-Nb-101



MAT 4149

41-Nb-101

(α, n') Level
0 Kelvin Cross Sections



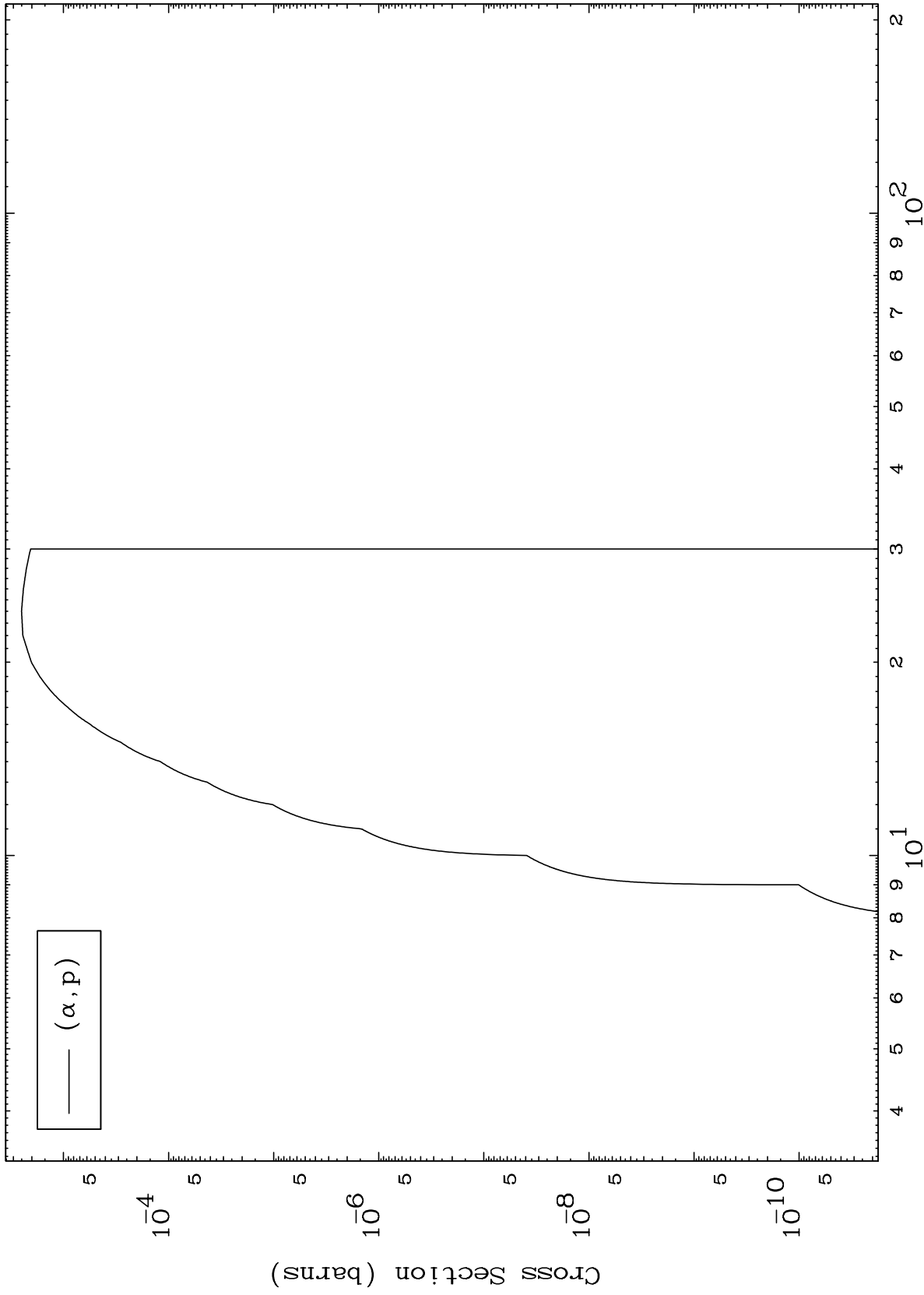
6

41-Nb-101

MAT 4149

41-Nb-101

(α, p) Levels
0 Kelvin Cross Sections



7

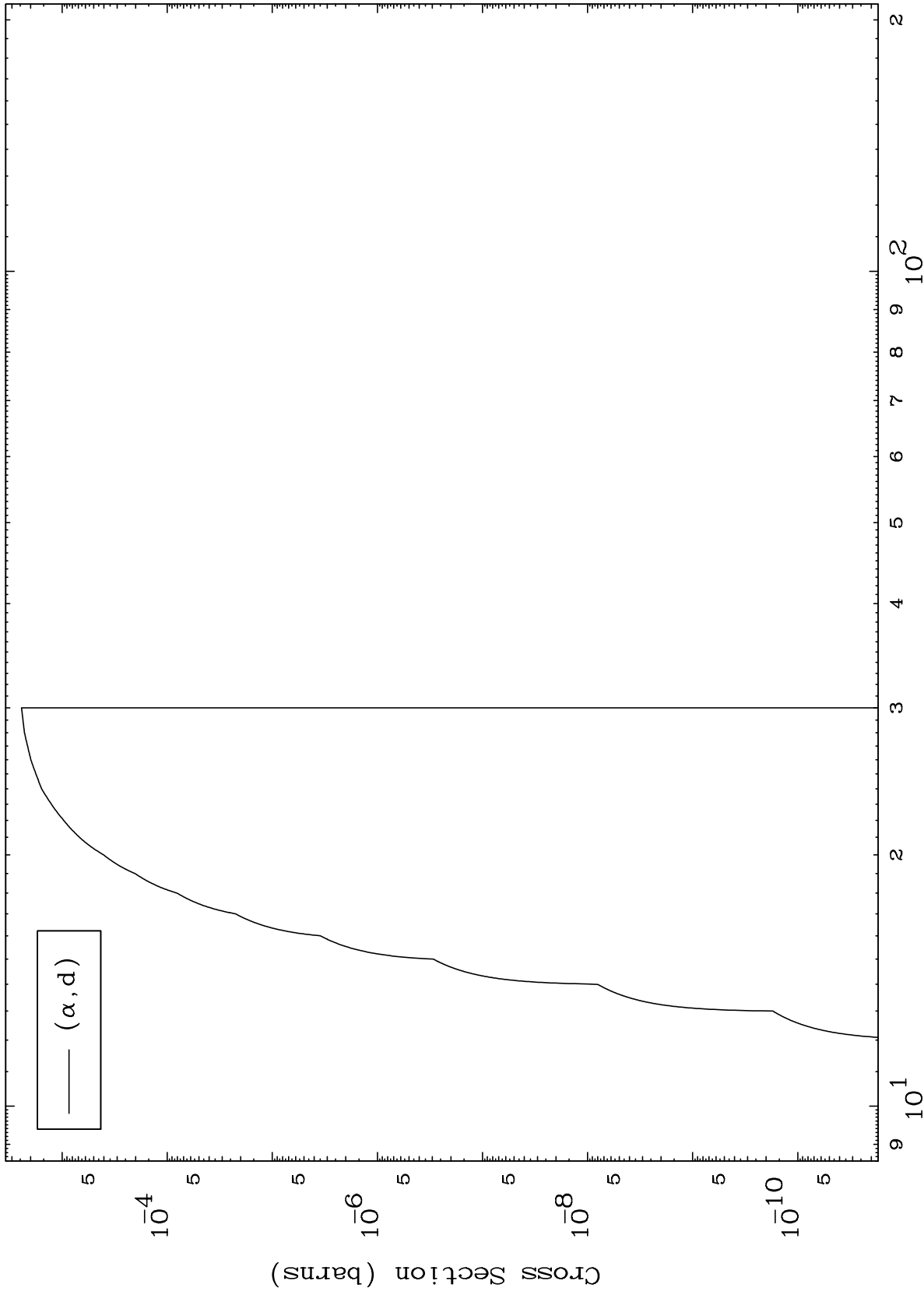
Incident Energy (MeV)

41-Nb-101

MAT 4149

(α, d) Levels
0 Kelvin Cross Sections

41-Nb-101



8

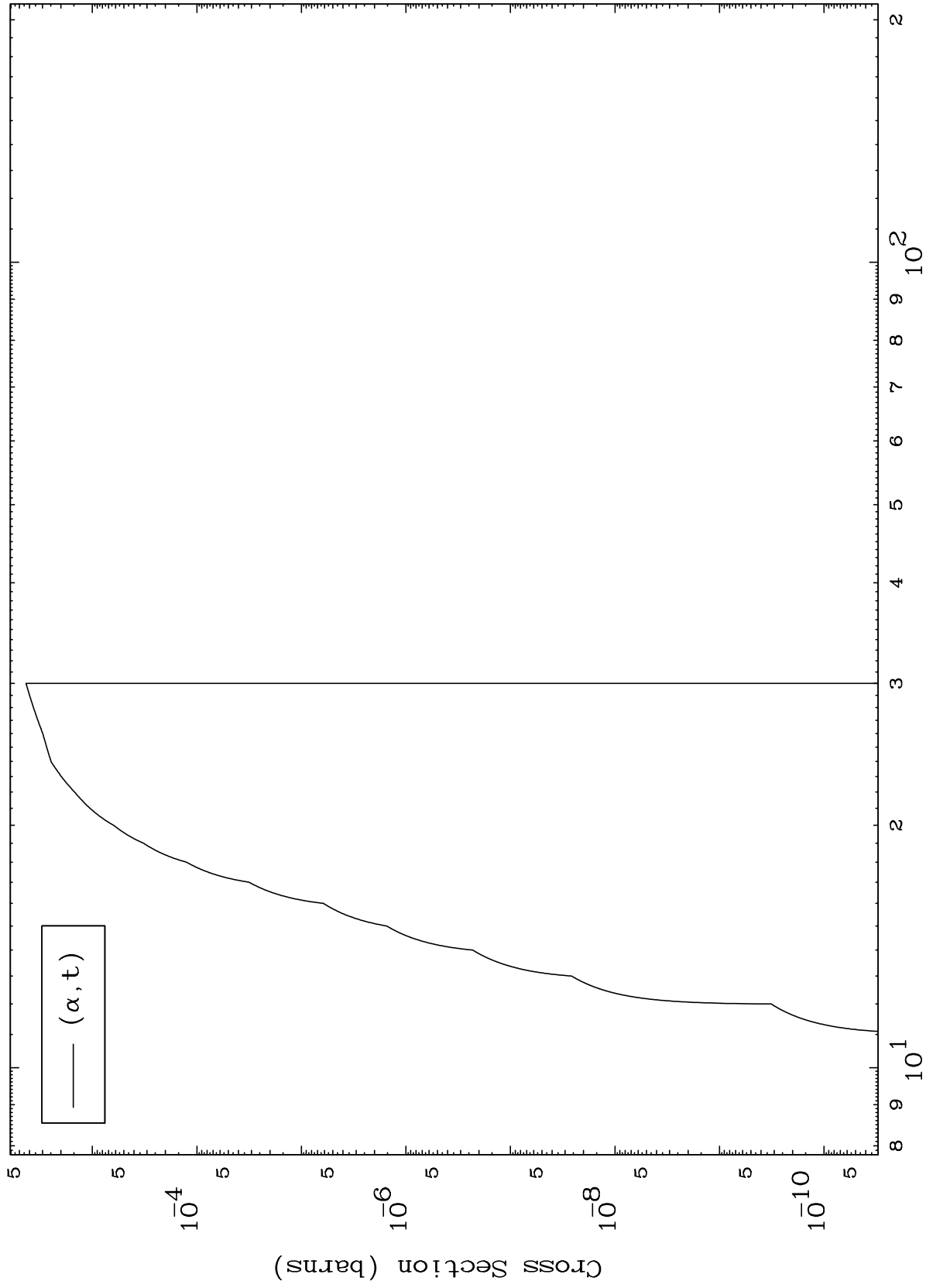
Incident Energy (MeV)

41-Nb-101

MAT 4149

(α, t) Levels
0 Kelvin Cross Sections

41-Nb-101



9

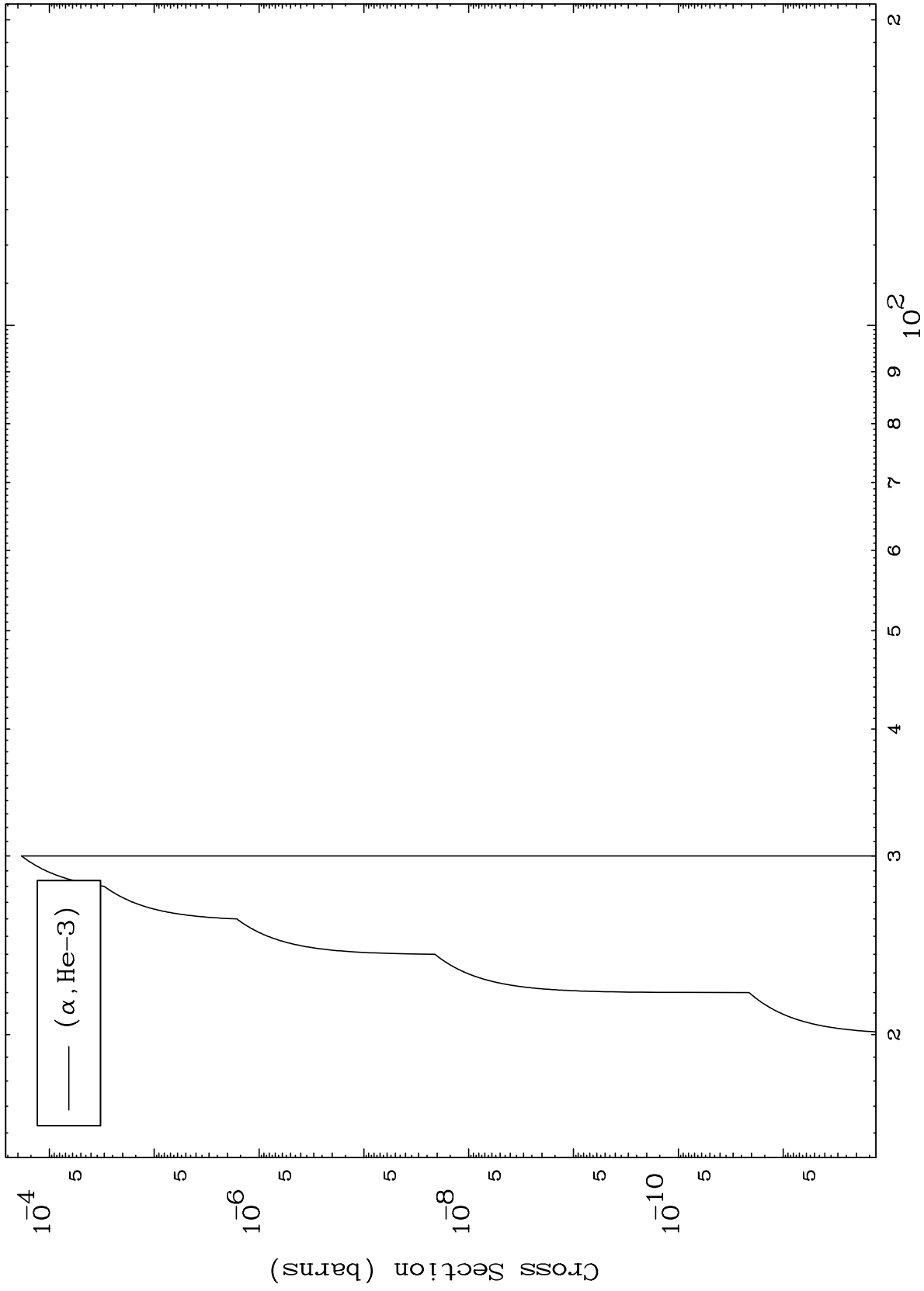
Incident Energy (MeV)

41-Nb-101

MAT 4149

(α ,He3) Levels
0 Kelvin Cross Sections

41-Nb-101



10

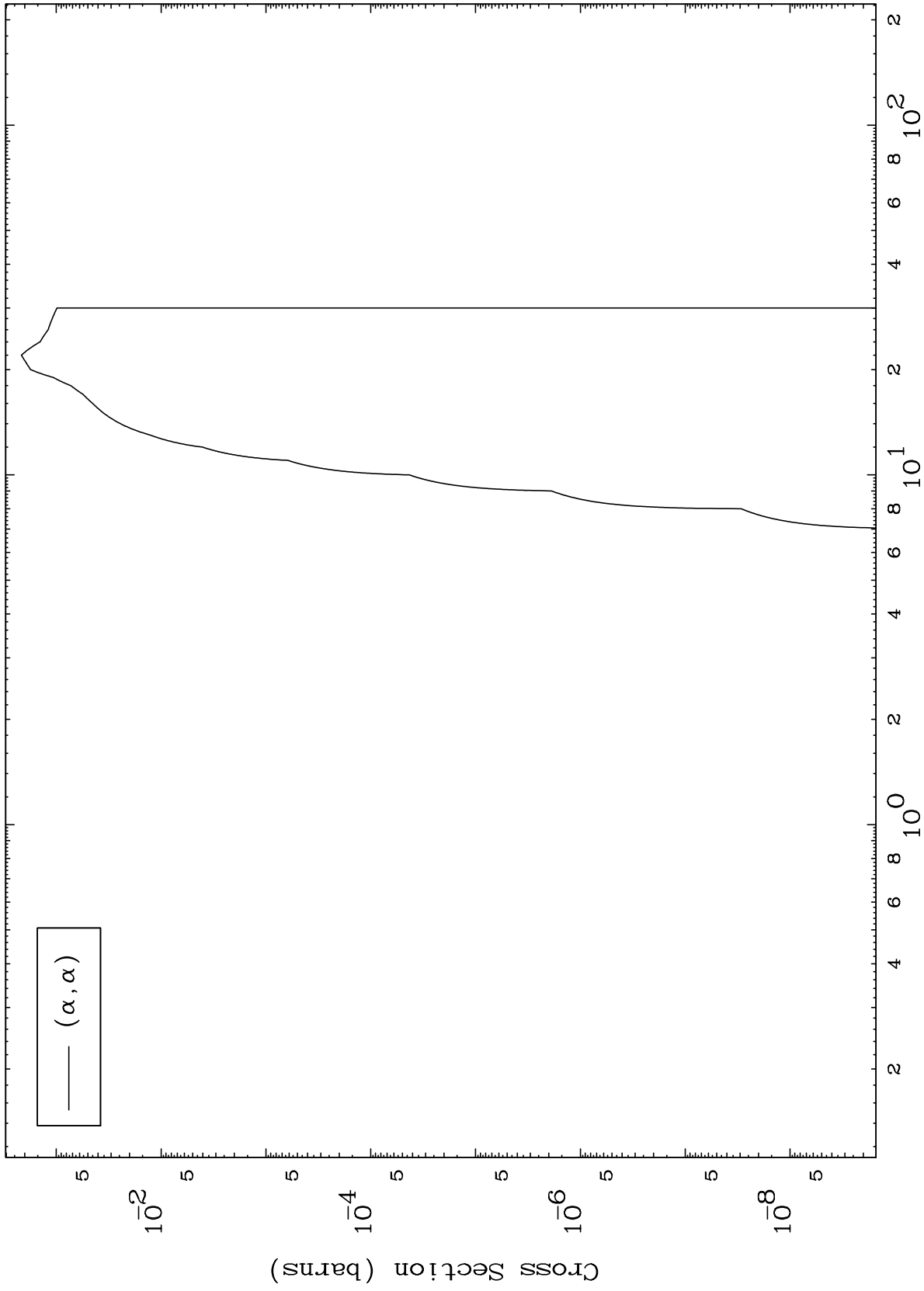
Incident Energy (MeV)

41-Nb-101

MAT 4149

(α, α) Levels
0 Kelvin Cross Sections

41-Nb-101



11

Incident Energy (MeV)

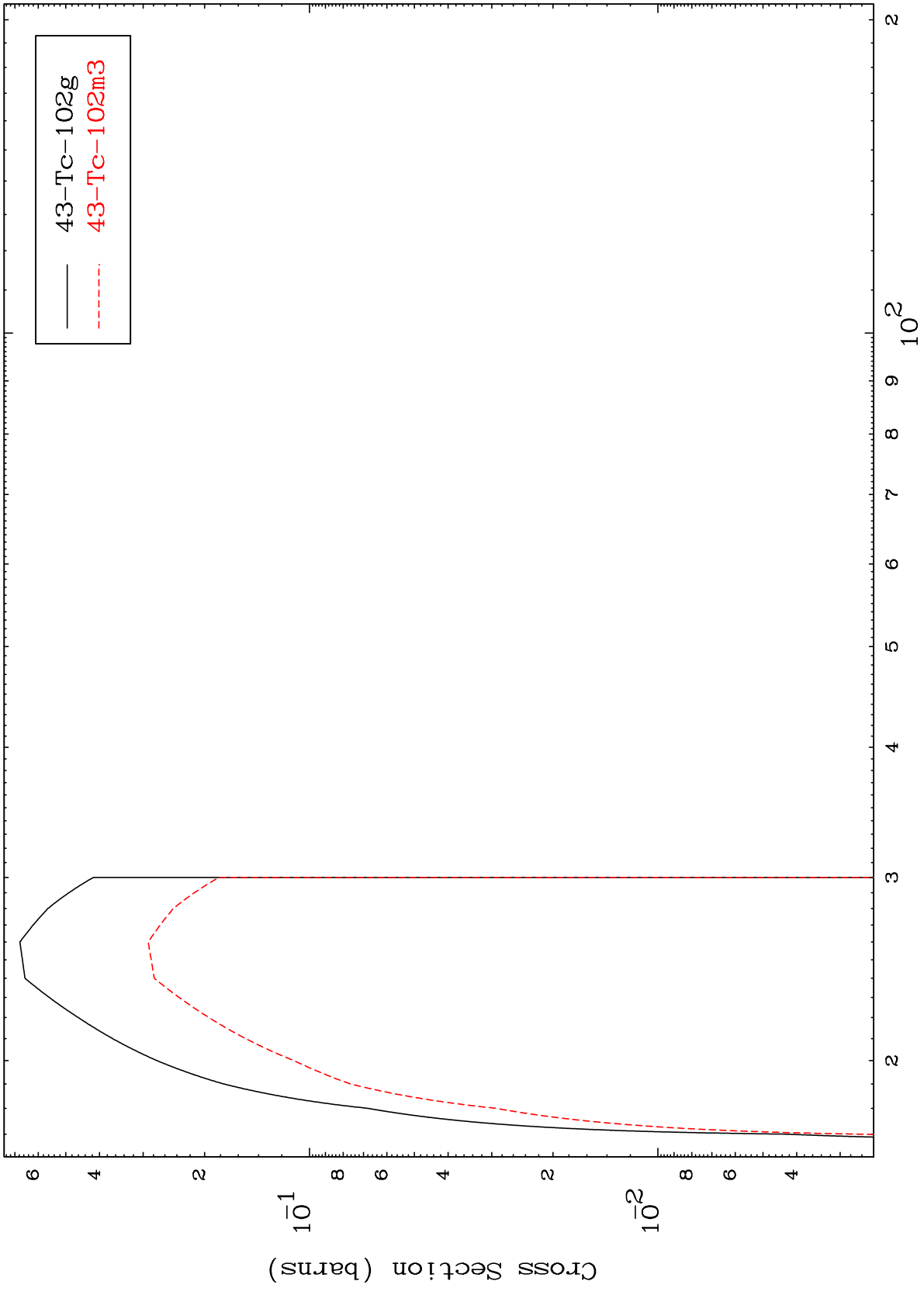
41-Nb-101

MAT 4149

($\alpha, 3n$)

41-Nb-101

Radionuclide Production Cross Section



12

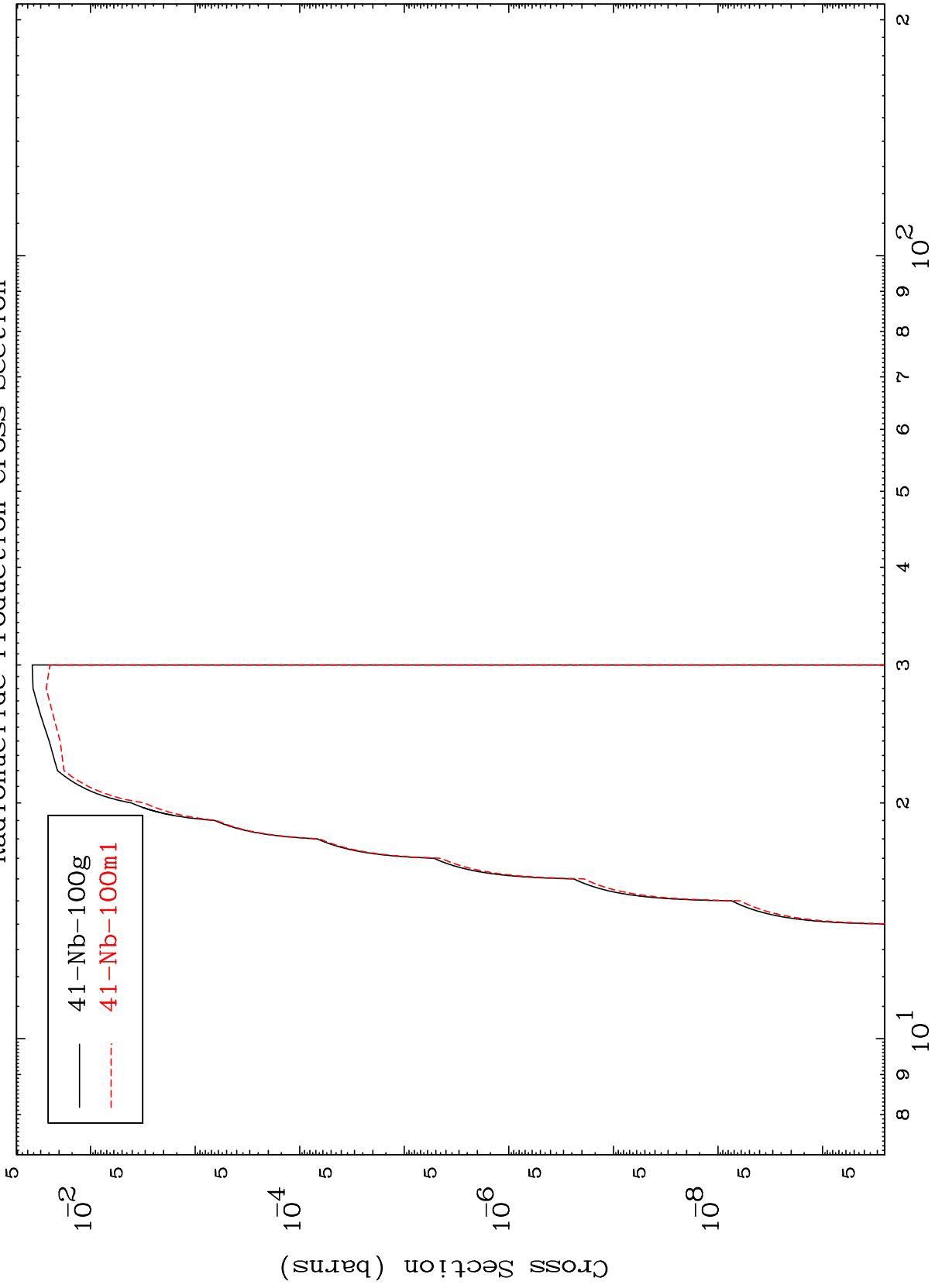
Incident Energy (MeV)

41-Nb-101

MAT 4149

41-Nb-101

(α, n') α
Radionuclide Production Cross Section



13

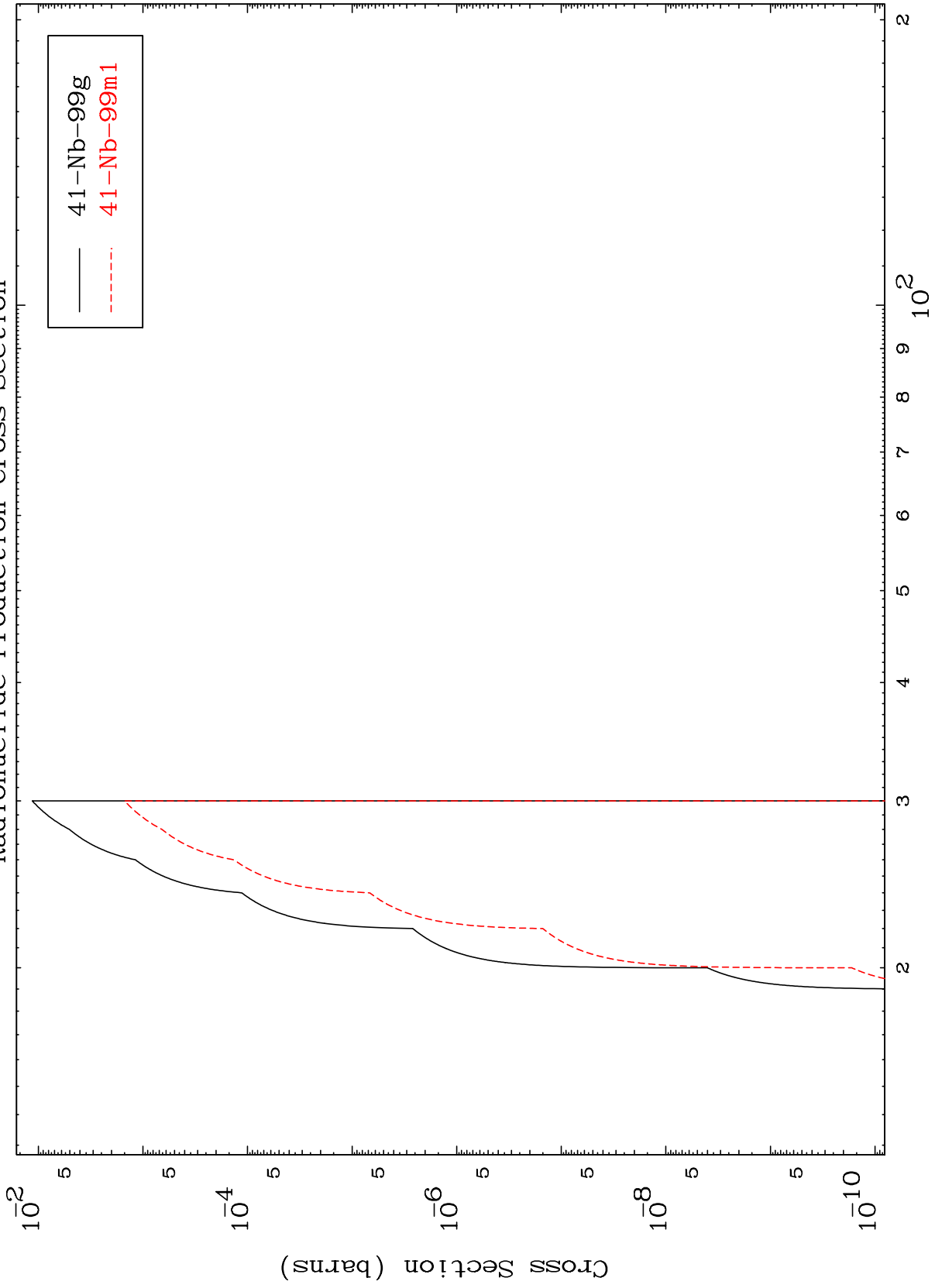
41-Nb-101

MAT 4149

$(\alpha, 2n) \alpha$

41-Nb-101

Radionuclide Production Cross Section



14

Incident Energy (MeV)

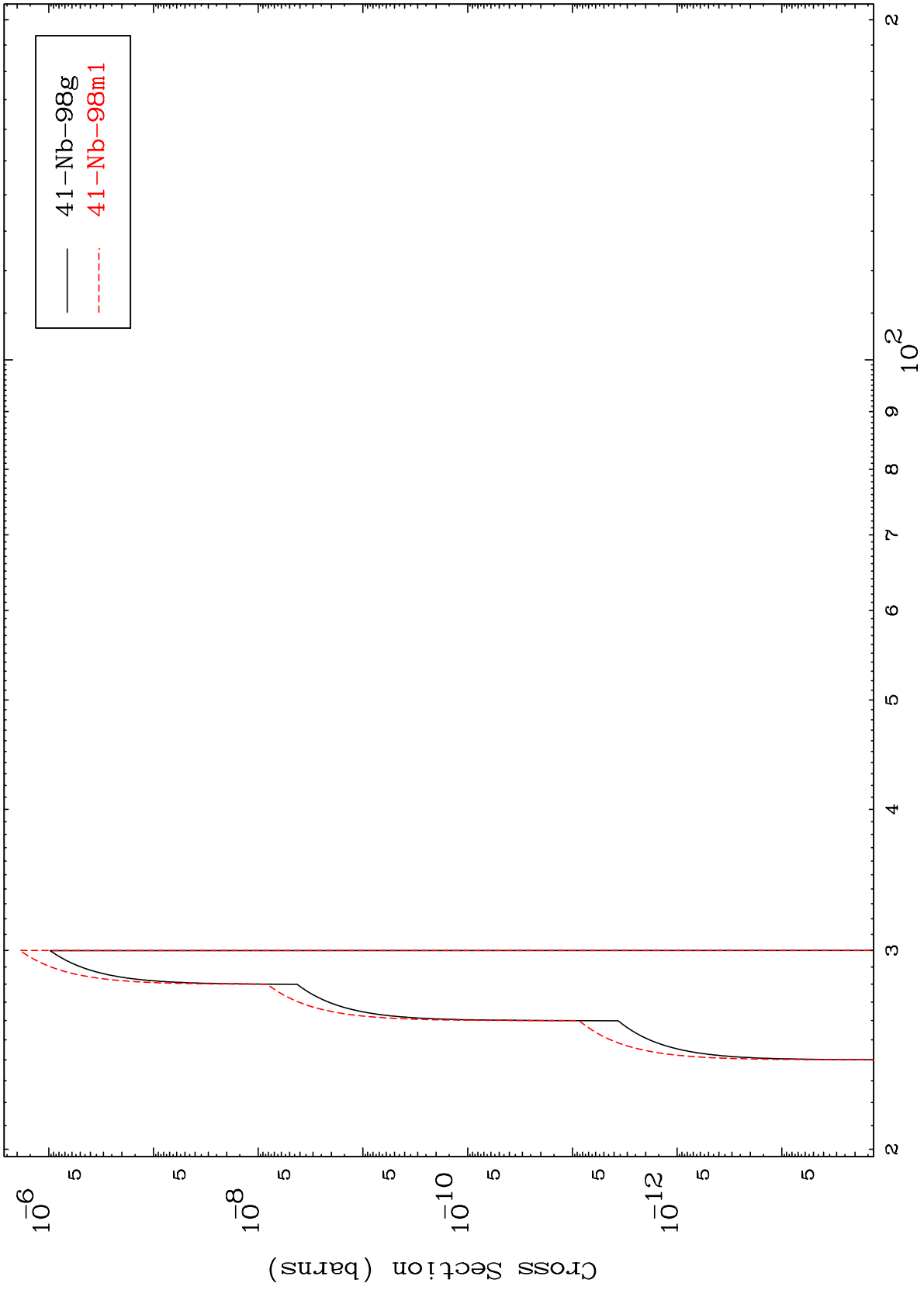
41-Nb-101

MAT 4149

$(\alpha, 3n) \alpha$

41-Nb-101

Radionuclide Production Cross Section



15

Incident Energy (MeV)

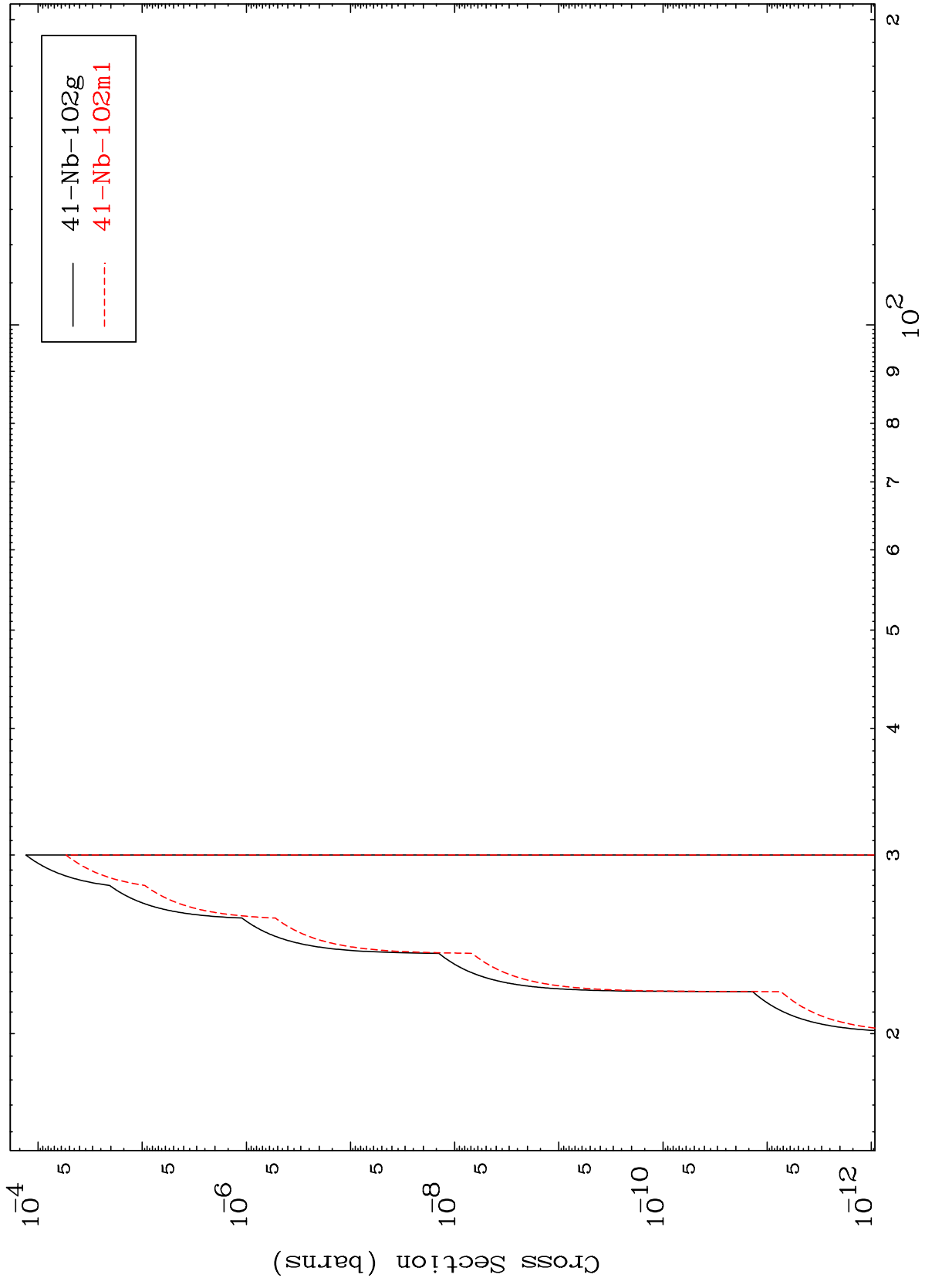
41-Nb-101

MAT 4149

($\alpha, \text{He-3}$)

41-Nb-101

Radionuclide Production Cross Section



16

Incident Energy (MeV)

41-Nb-101