

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

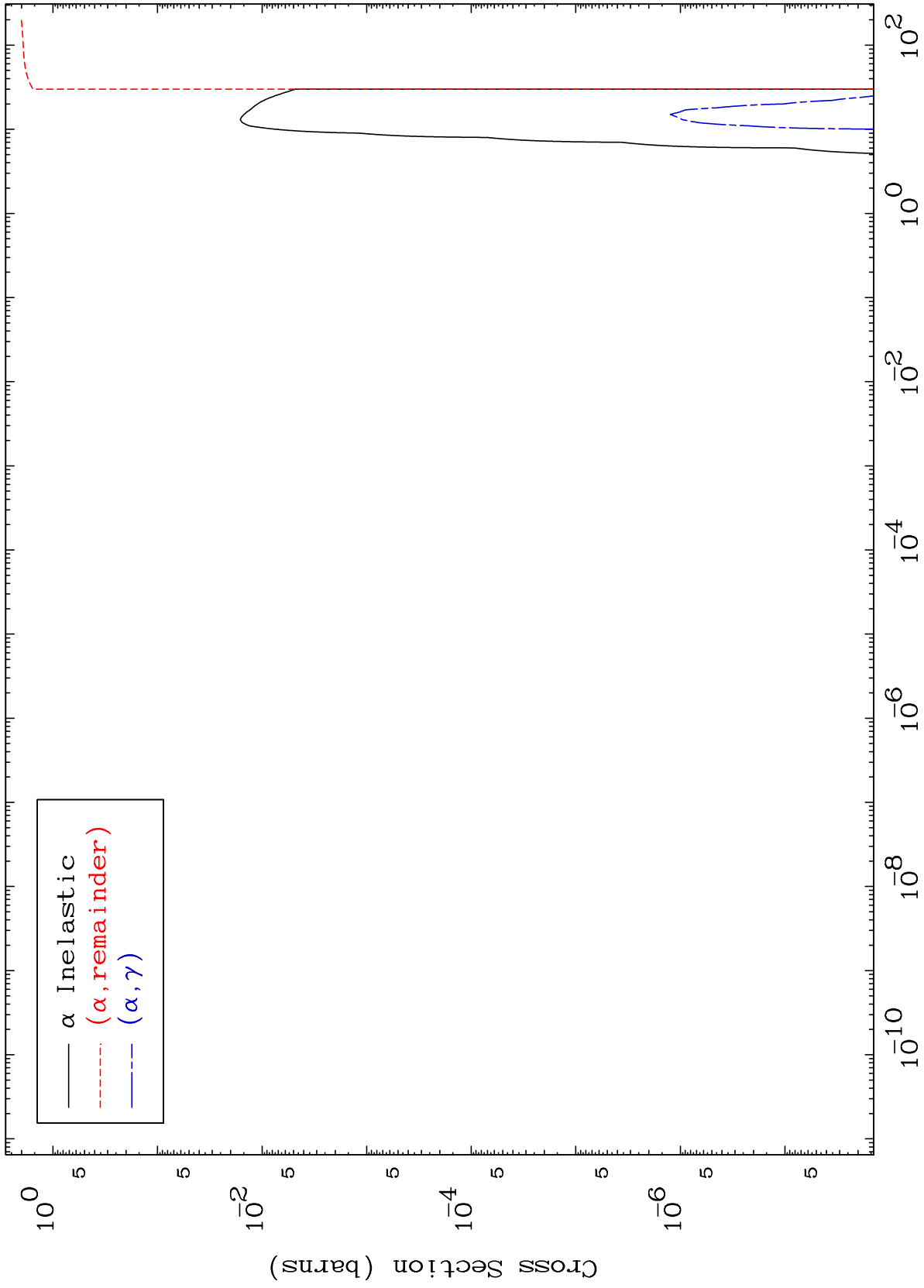
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3950

0 Kelvin α Major
Cross Sections

39-Y -97



1

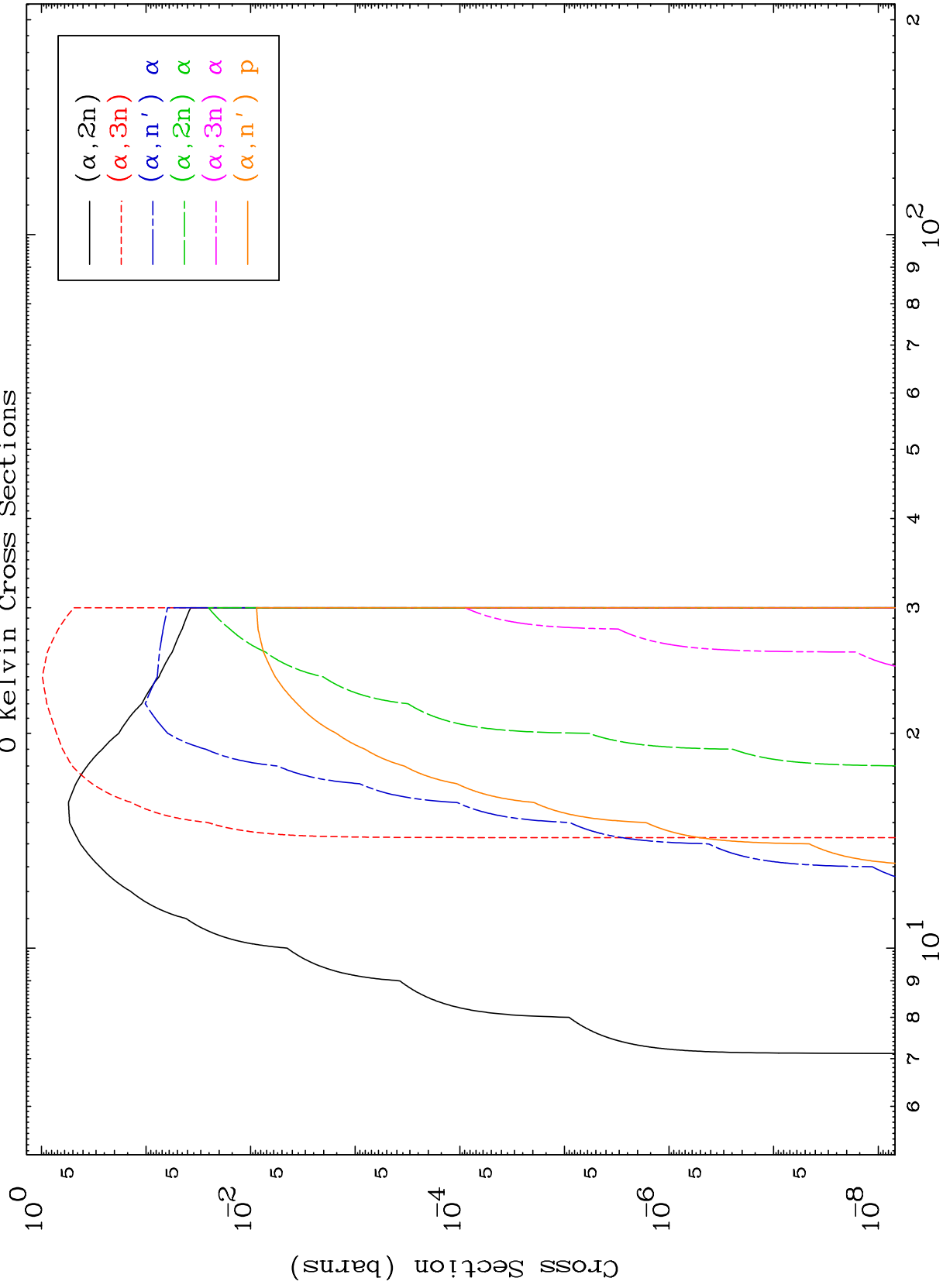
Incident Energy (MeV)

39-Y -97

MAT 3950

α Neutron Production
0 Kelvin Cross Sections

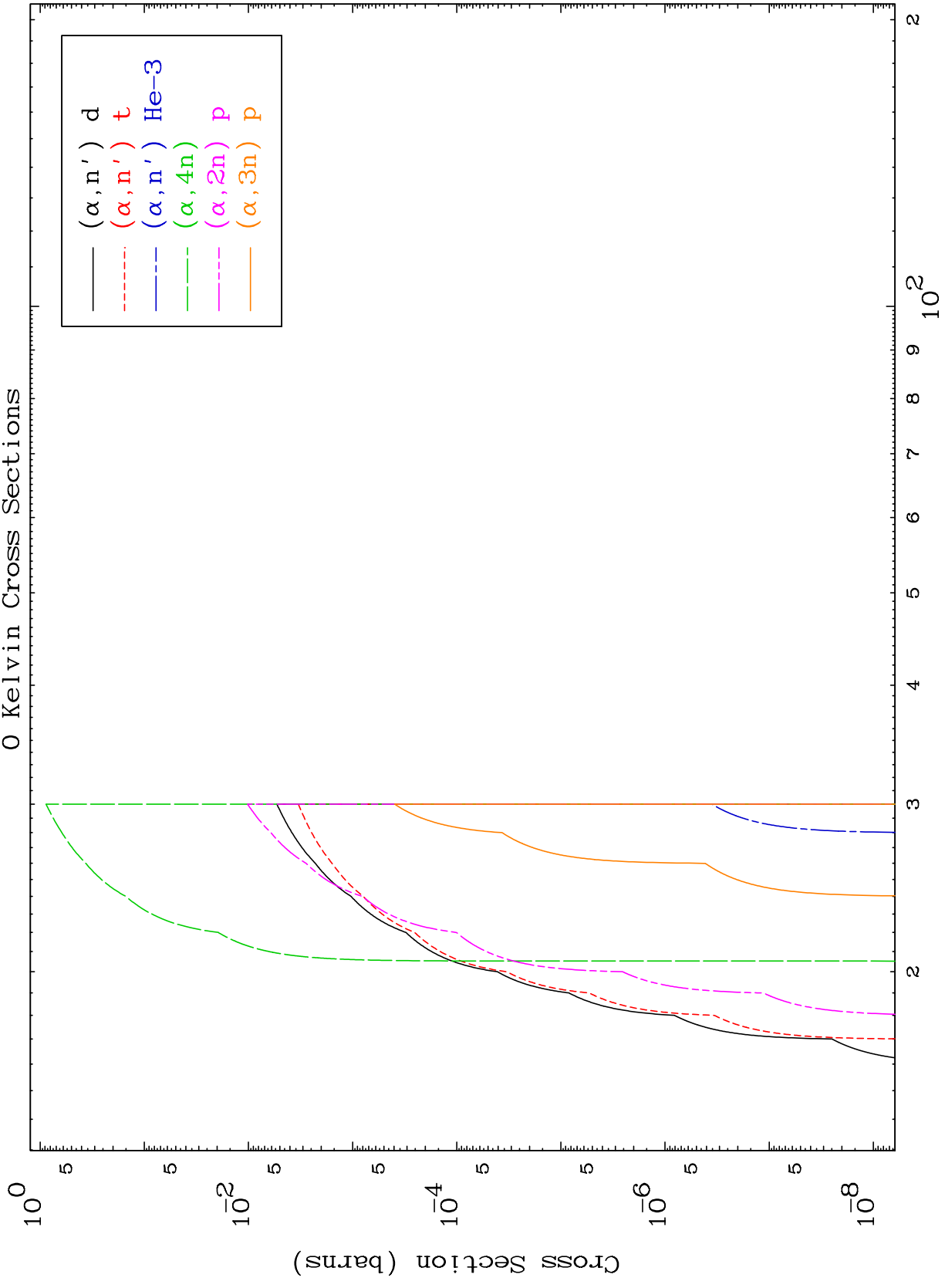
39-Y -97

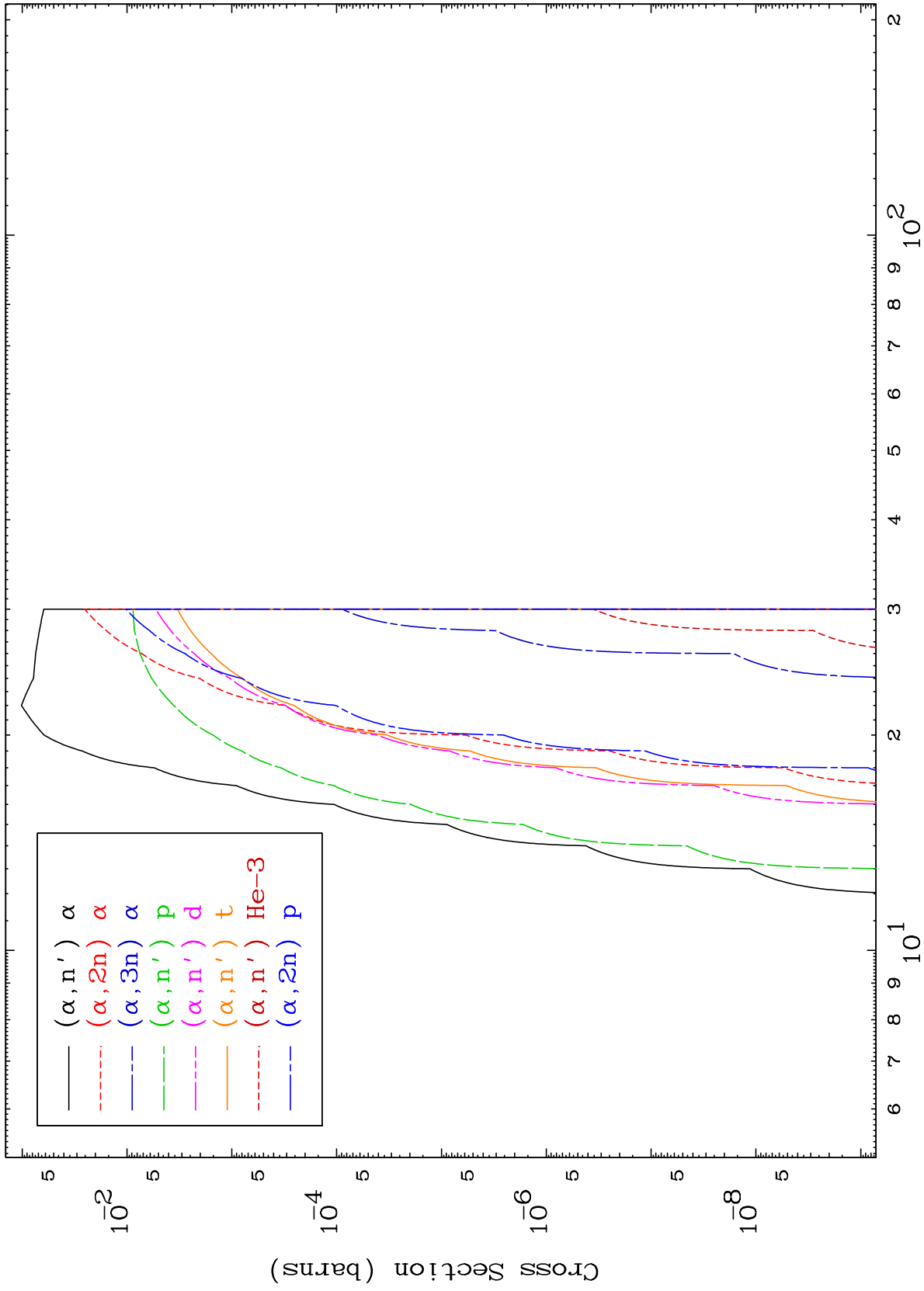


2

Incident Energy (MeV)

39-Y -97

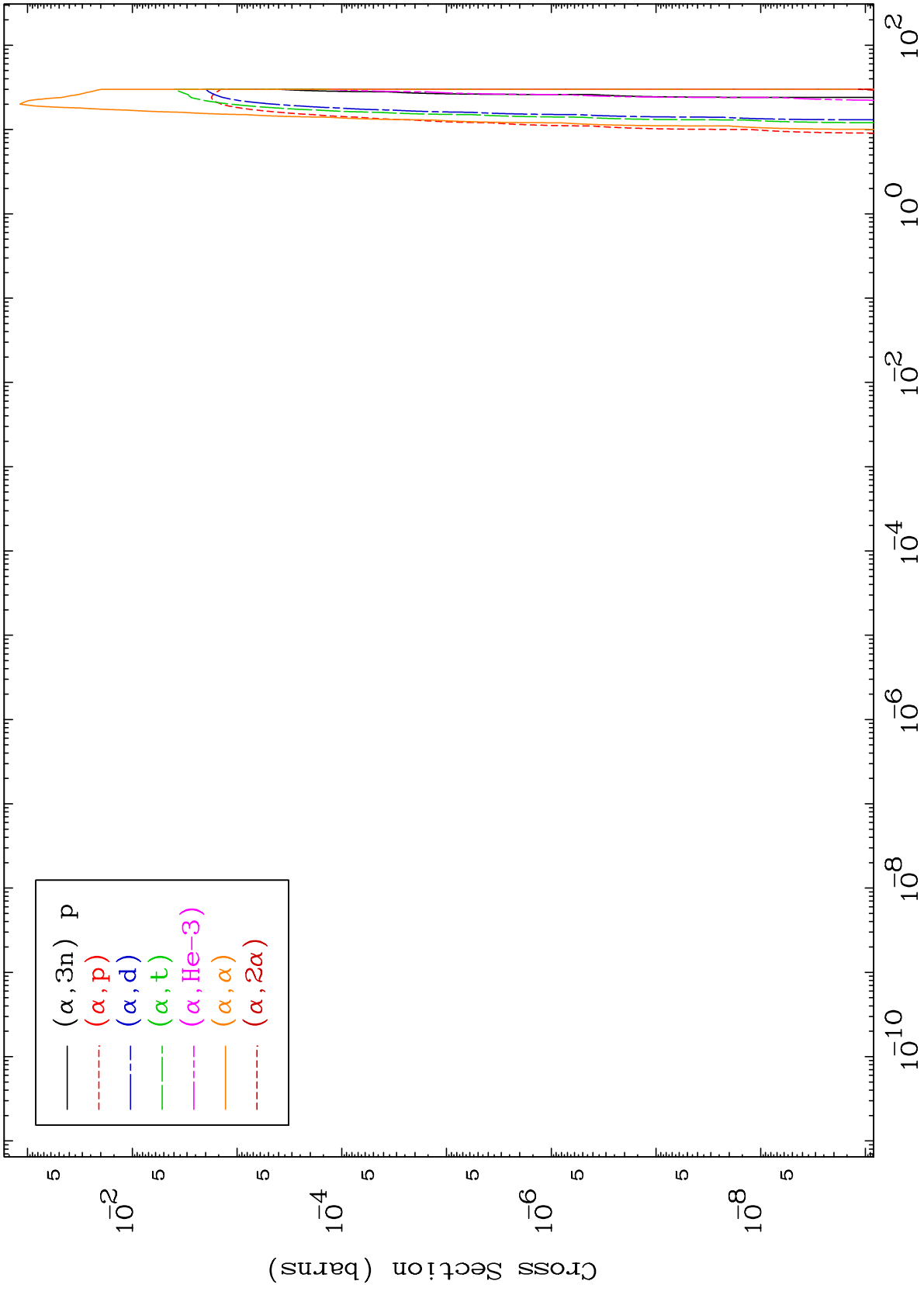




MAT 3950

α Charged Particle
0 Kelvin Cross Sections

39-Y -97



5

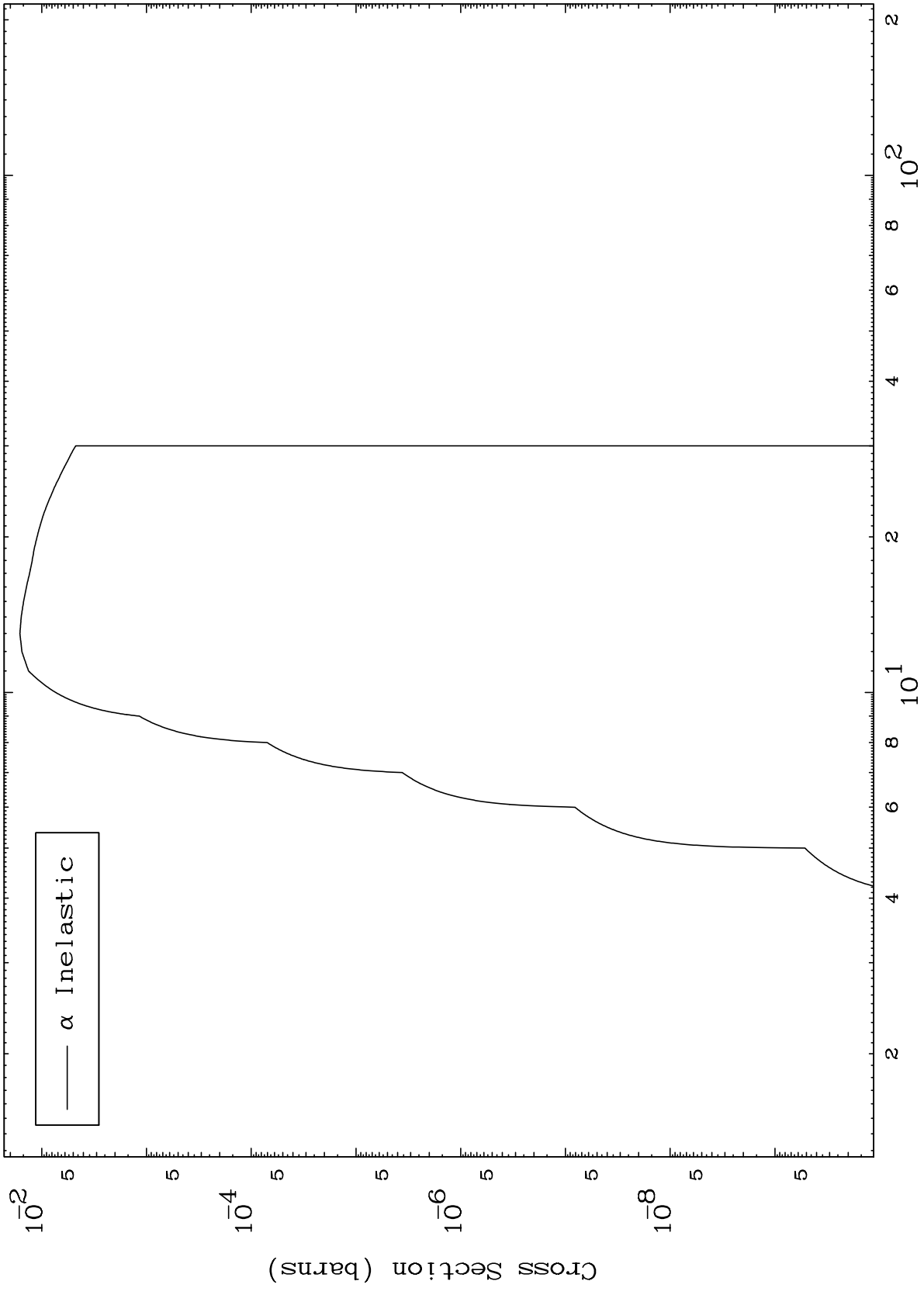
Incident Energy (MeV)

39-Y -97

MAT 3950

(α, n') Level
0 Kelvin Cross Sections

39-Y -97



6

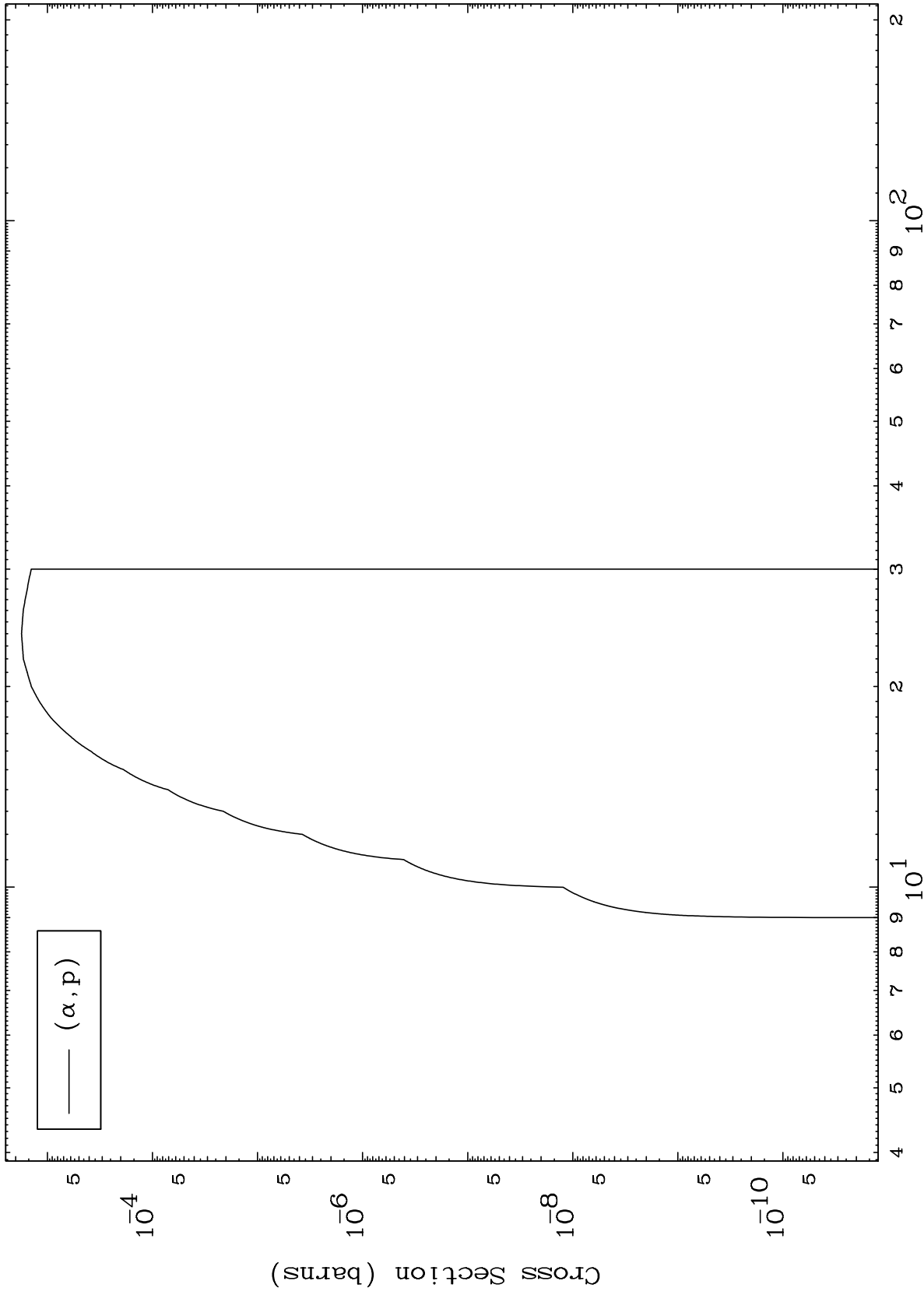
Incident Energy (MeV)

39-Y -97

MAT 3950

(α, p) Levels
0 Kelvin Cross Sections

39-Y -97



7

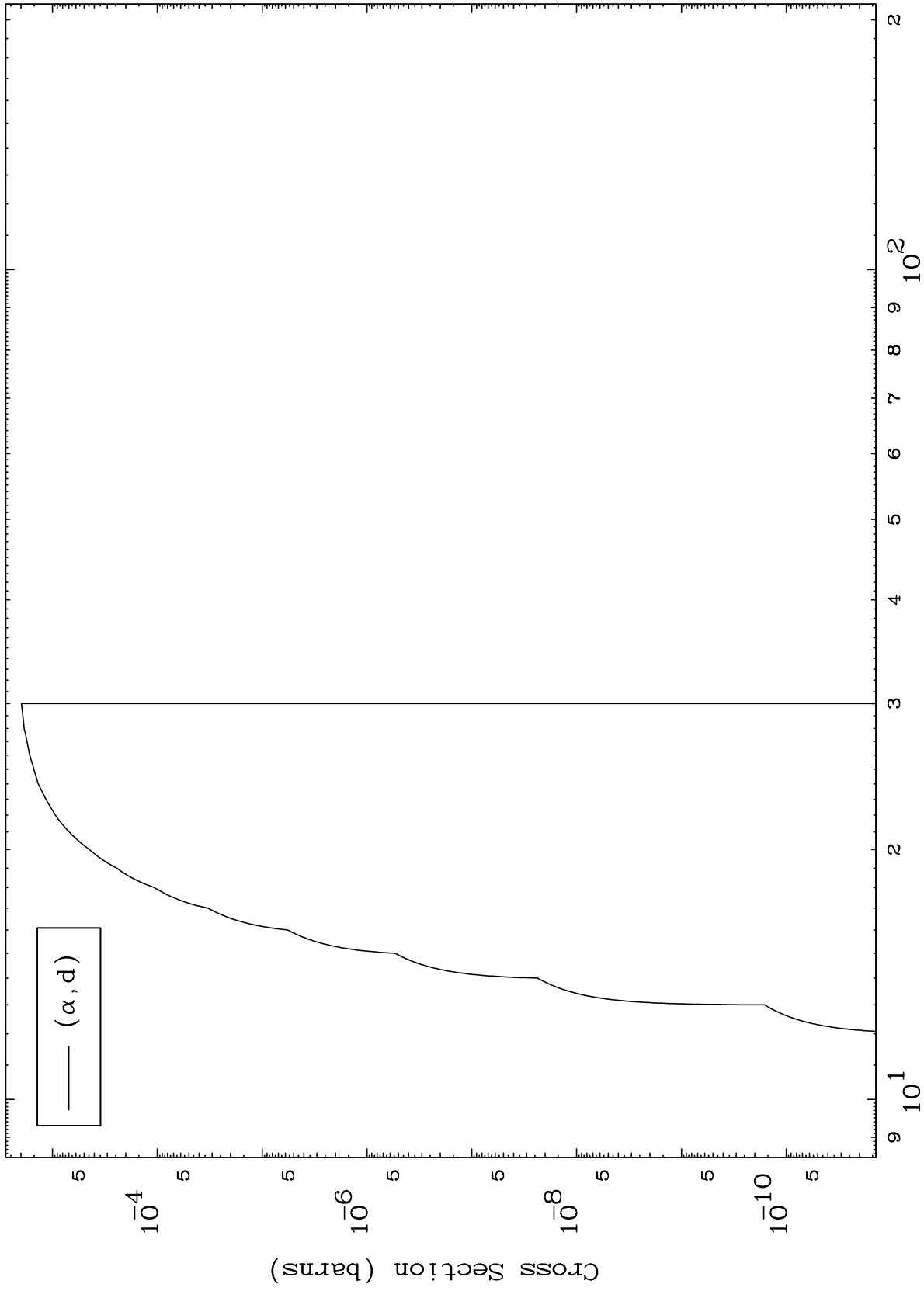
Incident Energy (MeV)

39-Y -97

MAT 3950

(α, d) Levels
0 Kelvin Cross Sections

39-Y -97



8

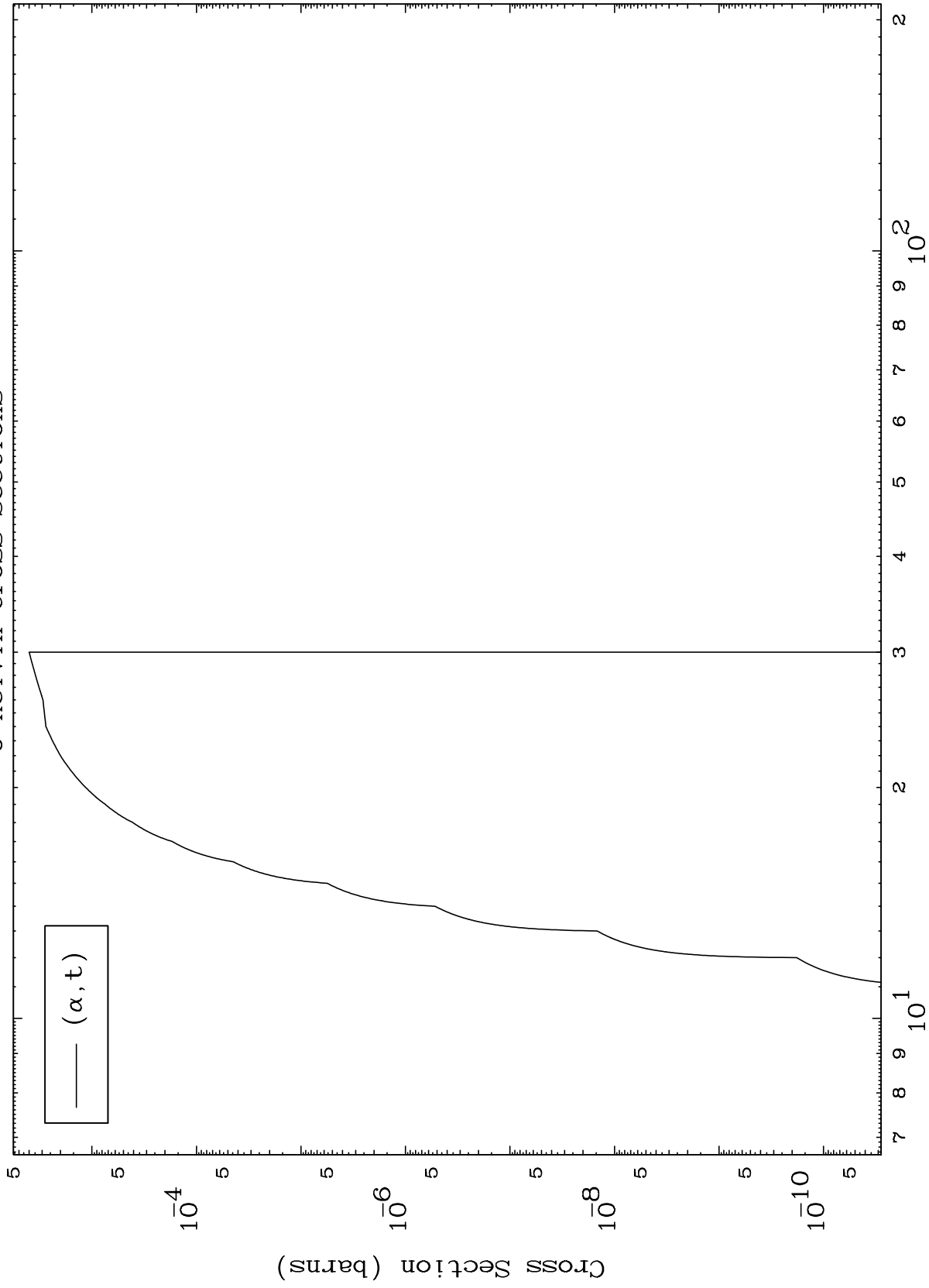
Incident Energy (MeV)

39-Y -97

MAT 3950

(α, t) Levels
0 Kelvin Cross Sections

39-Y -97



9

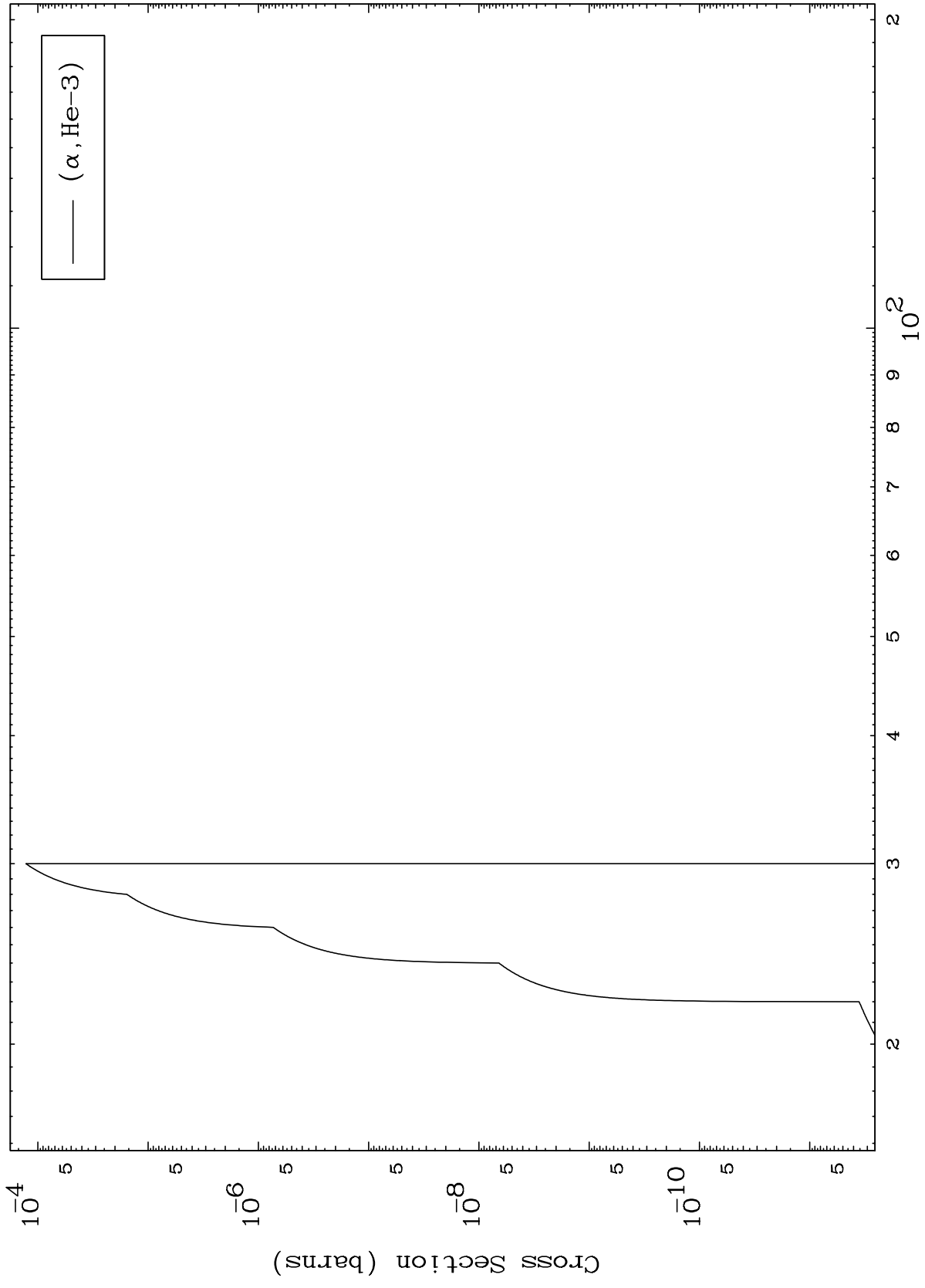
Incident Energy (MeV)

39-Y -97

MAT 3950

(α ,He3) Levels
0 Kelvin Cross Sections

39-Y -97



10

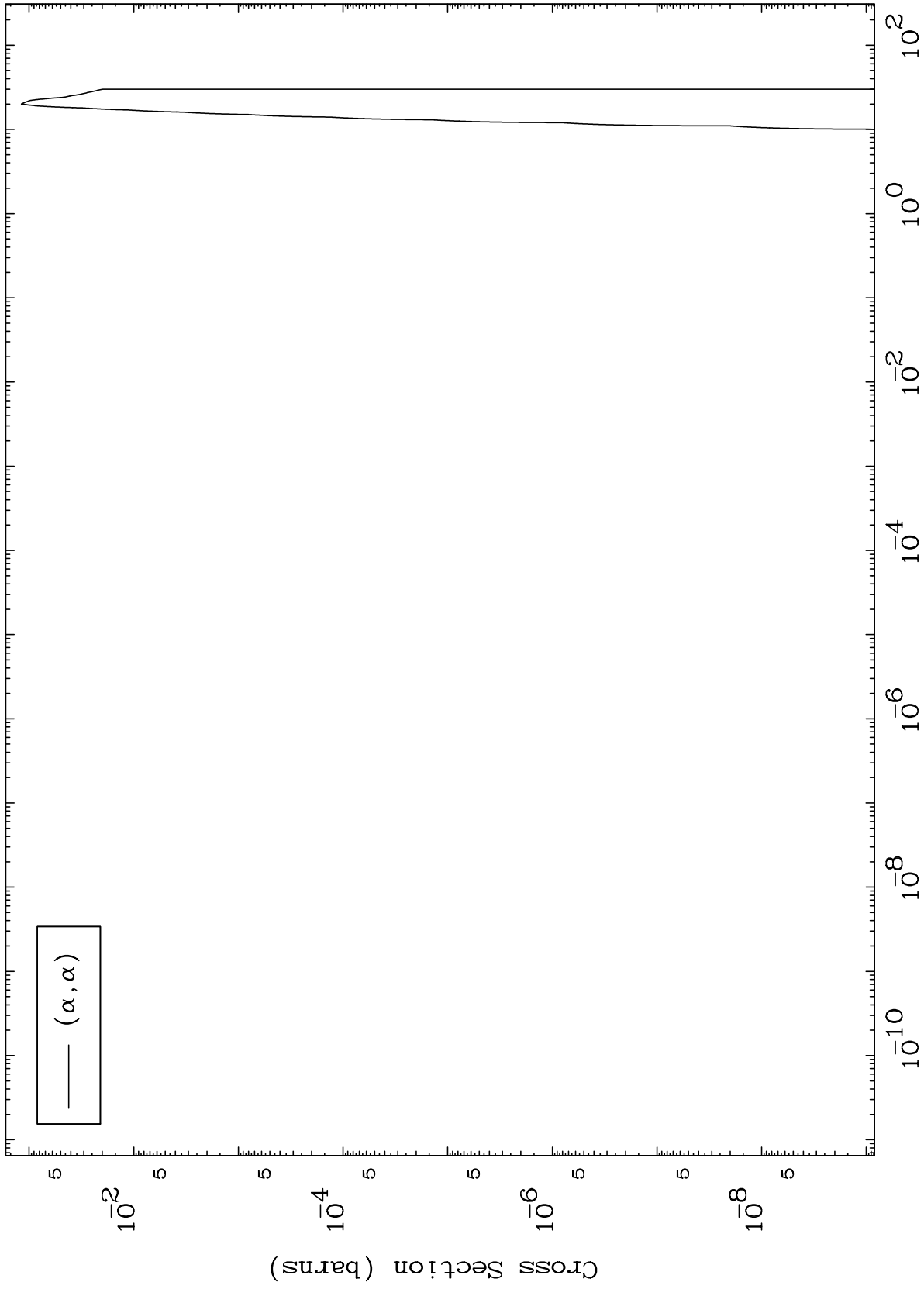
Incident Energy (MeV)

39-Y -97

MAT 3950

(α, α) Levels
0 Kelvin Cross Sections

39-Y -97



11

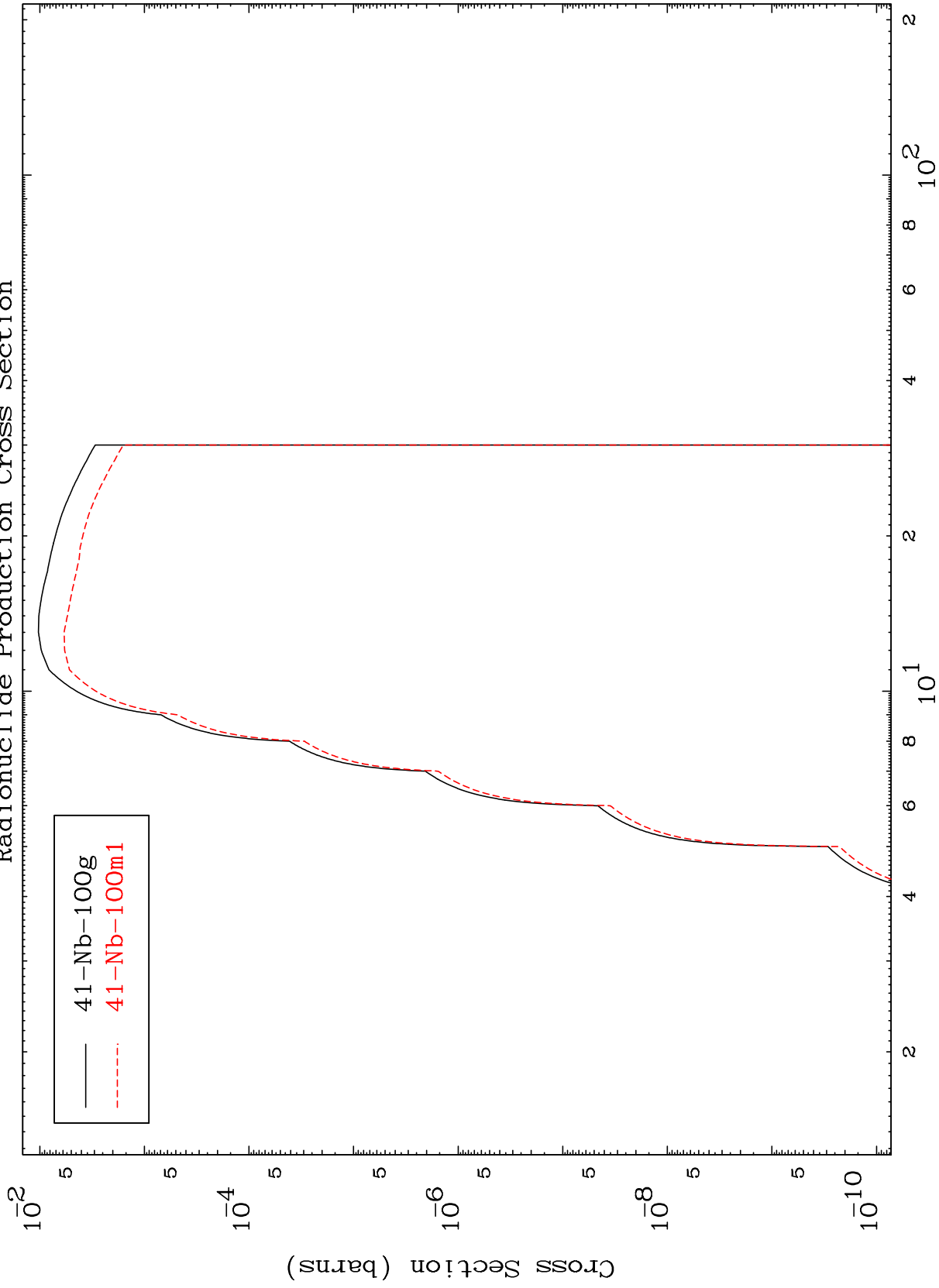
Incident Energy (MeV)

39-Y -97

MAT 3950

39-Y -97

Radionuclide Production Cross Section α Inelastic



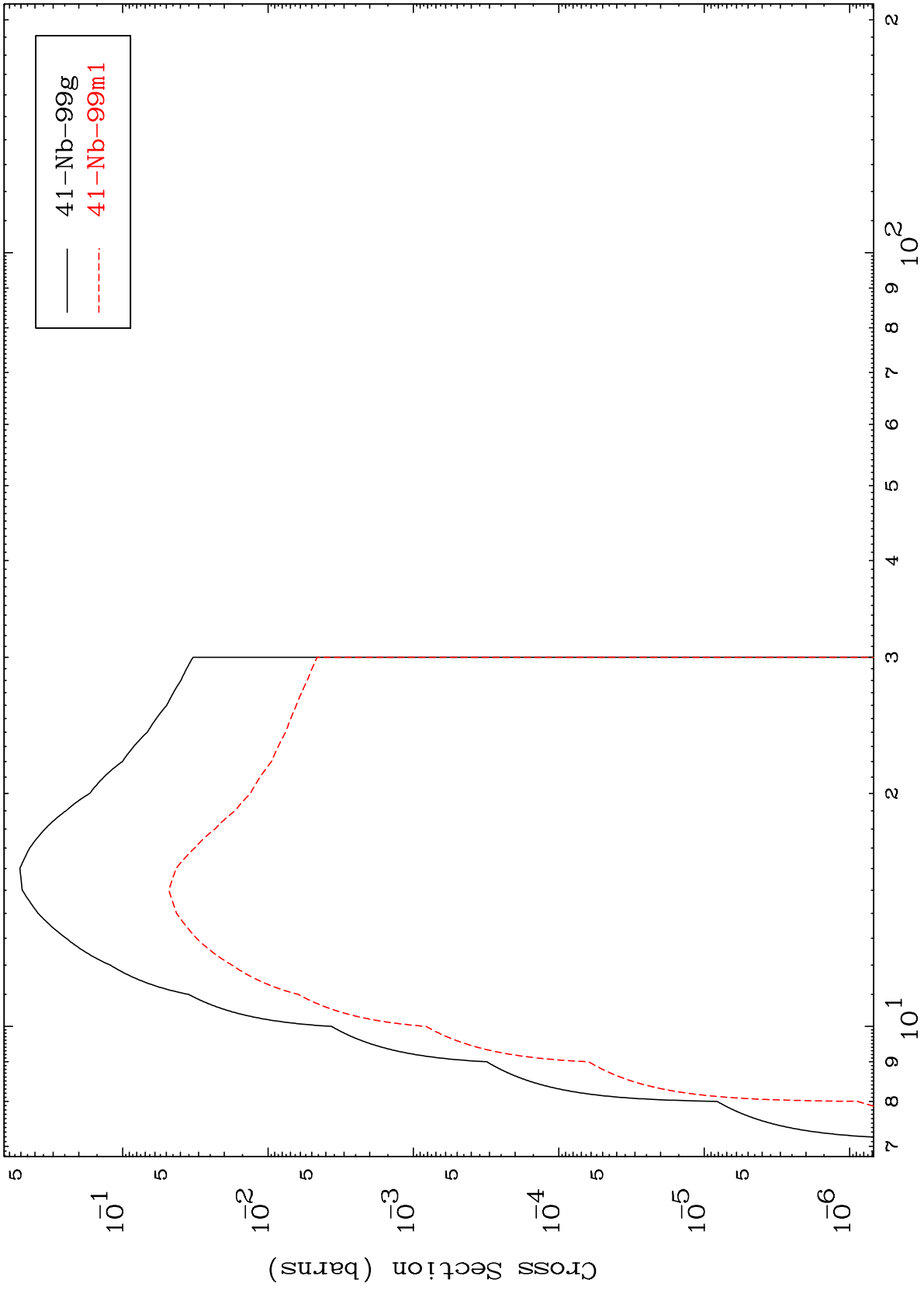
12

39-Y -97

MAT 3950

39-Y -97

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



13

Incident Energy (MeV)

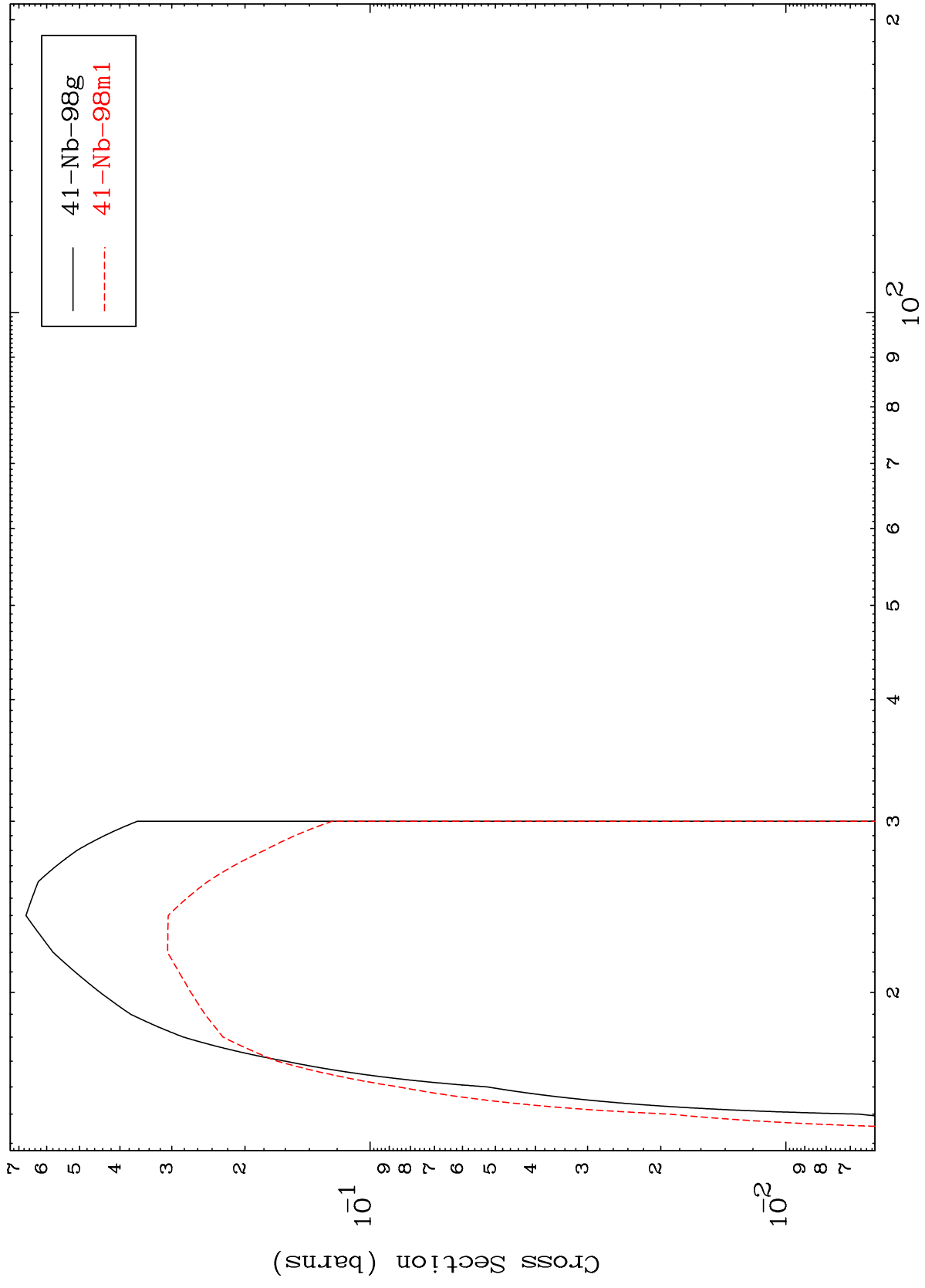
39-Y -97

MAT 3950

($\alpha, 3n$)

39-Y -97

Radionuclide Production Cross Section



14

Incident Energy (MeV)

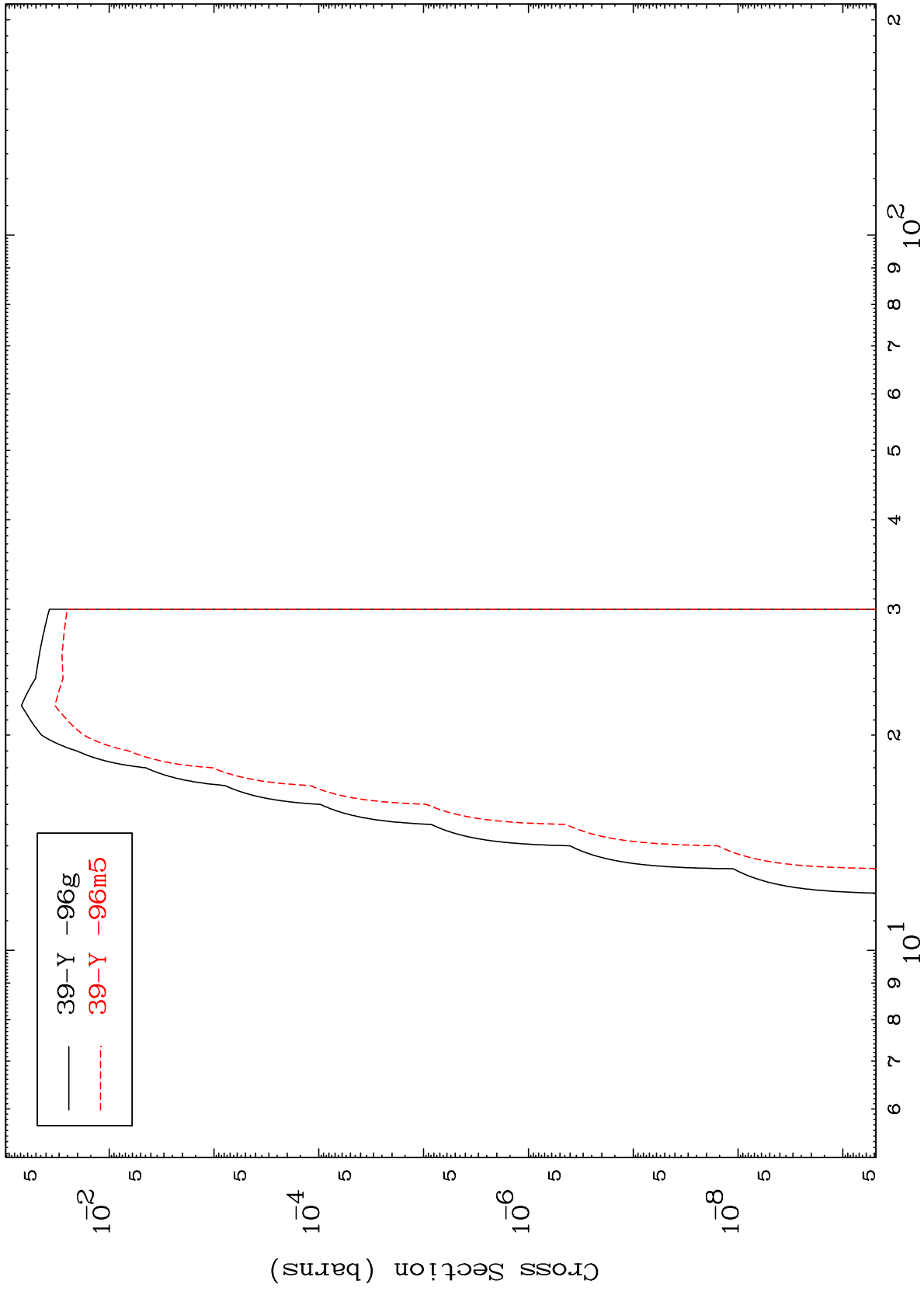
39-Y -97

MAT 3950

(α, n') α

39-Y -97

Radionuclide Production Cross Section



15

Incident Energy (MeV)

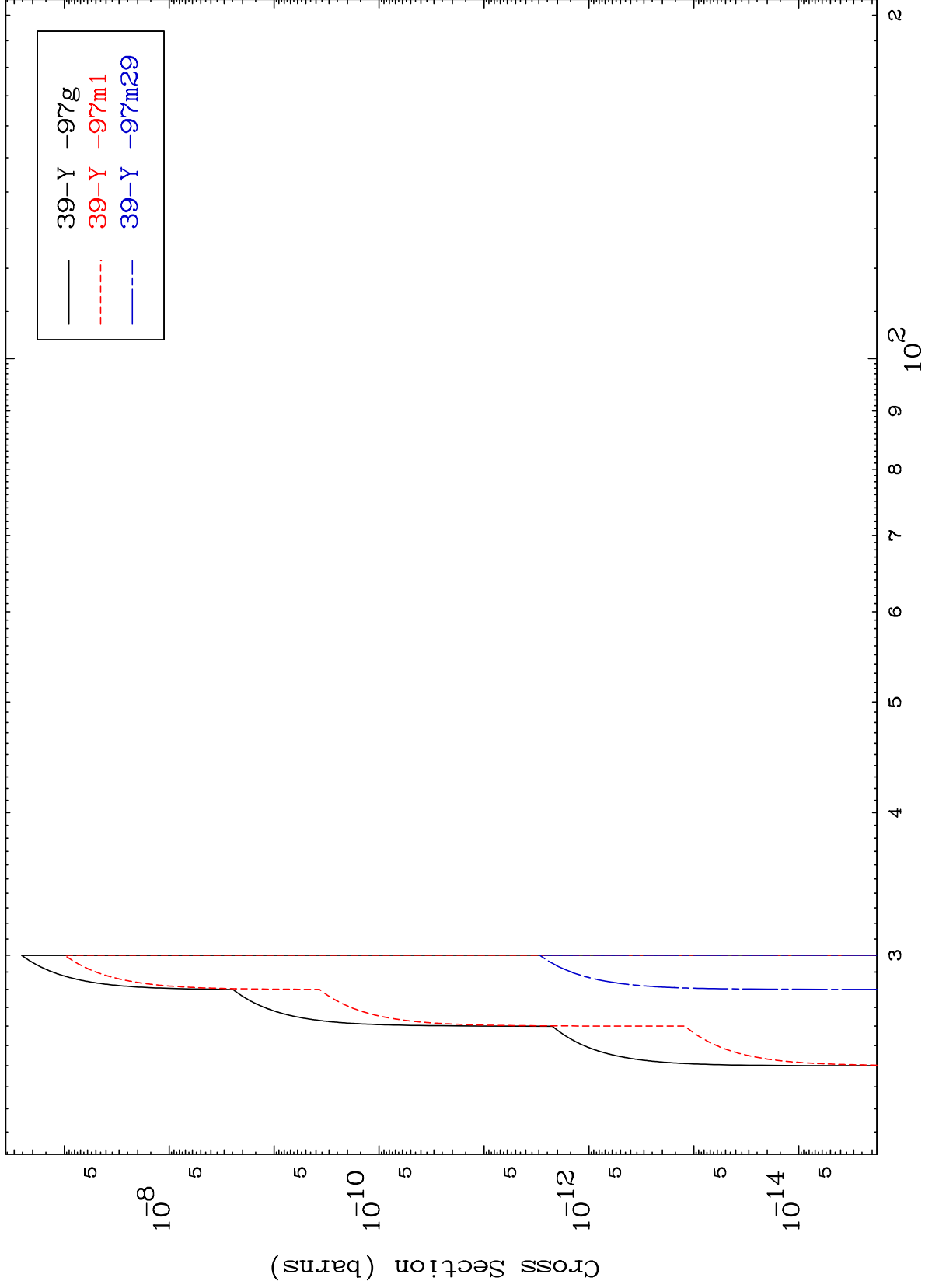
39-Y -97

MAT 3950

(α, n') He-3

39-Y -97

Radionuclide Production Cross Section



16

Incident Energy (MeV)

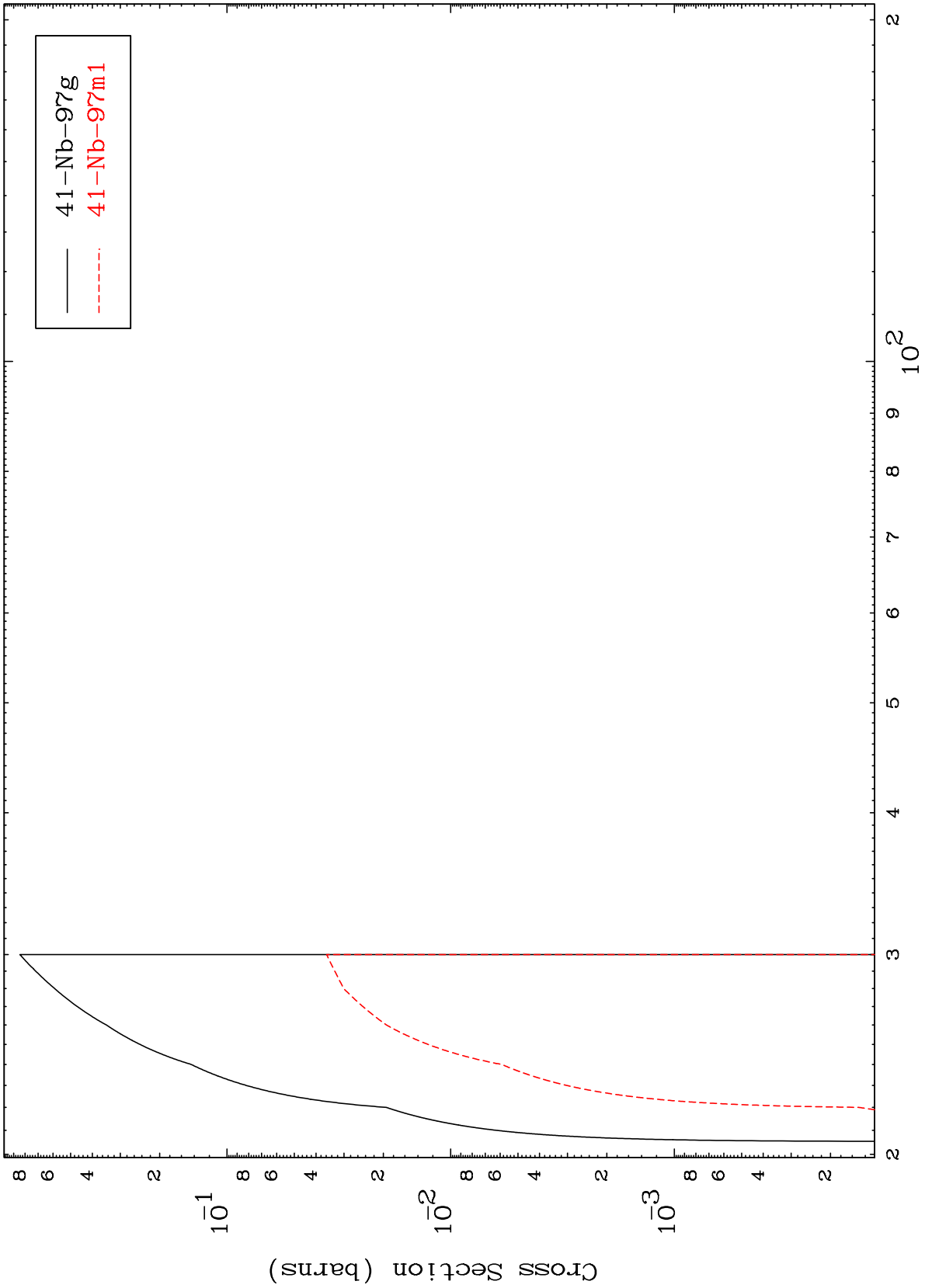
39-Y -97

MAT 3950

($\alpha, 4n$)

39-Y -97

Radionuclide Production Cross Section



17

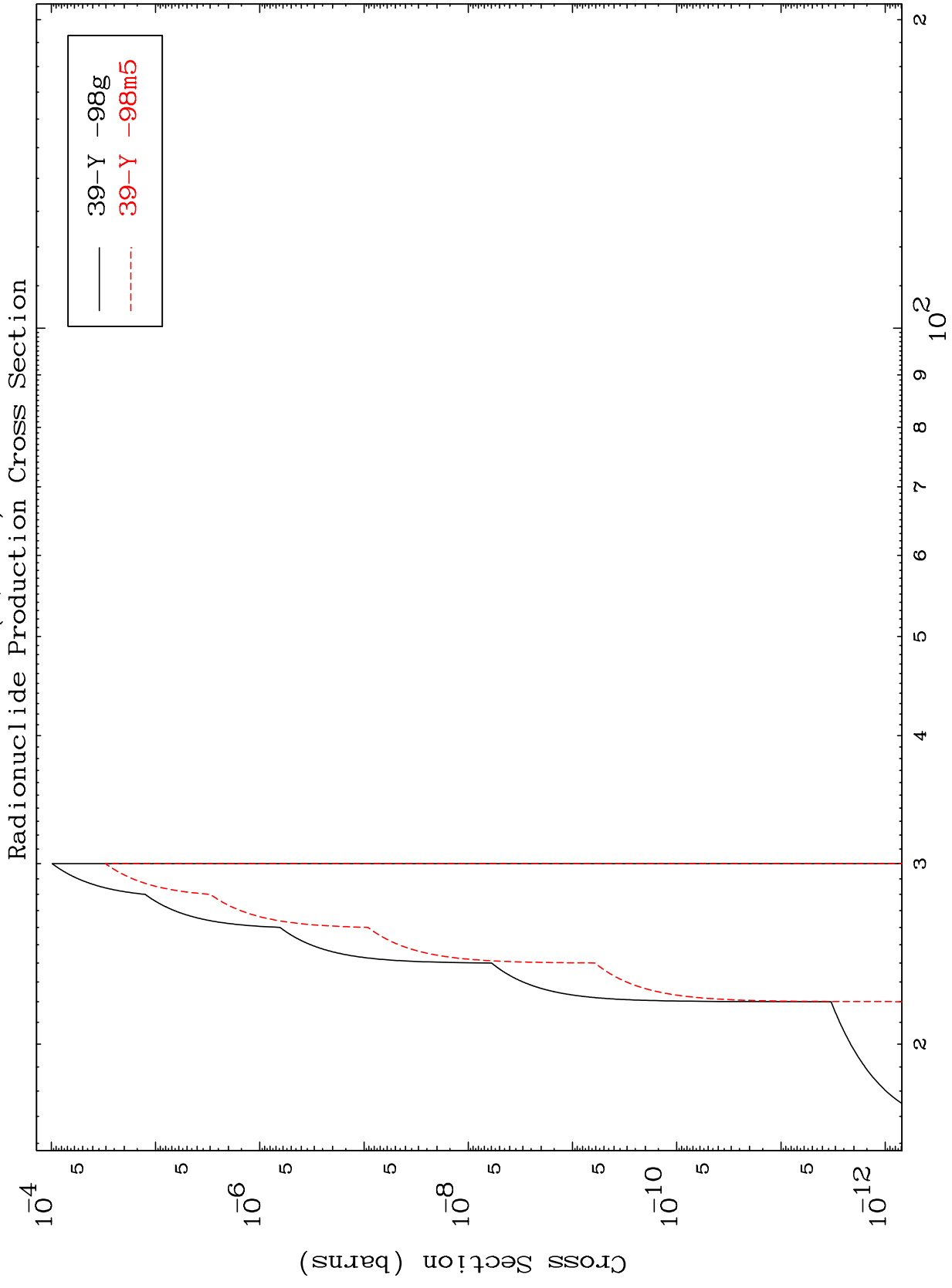
Incident Energy (MeV)

39-Y -97

MAT 3950

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

39-Y -97



18

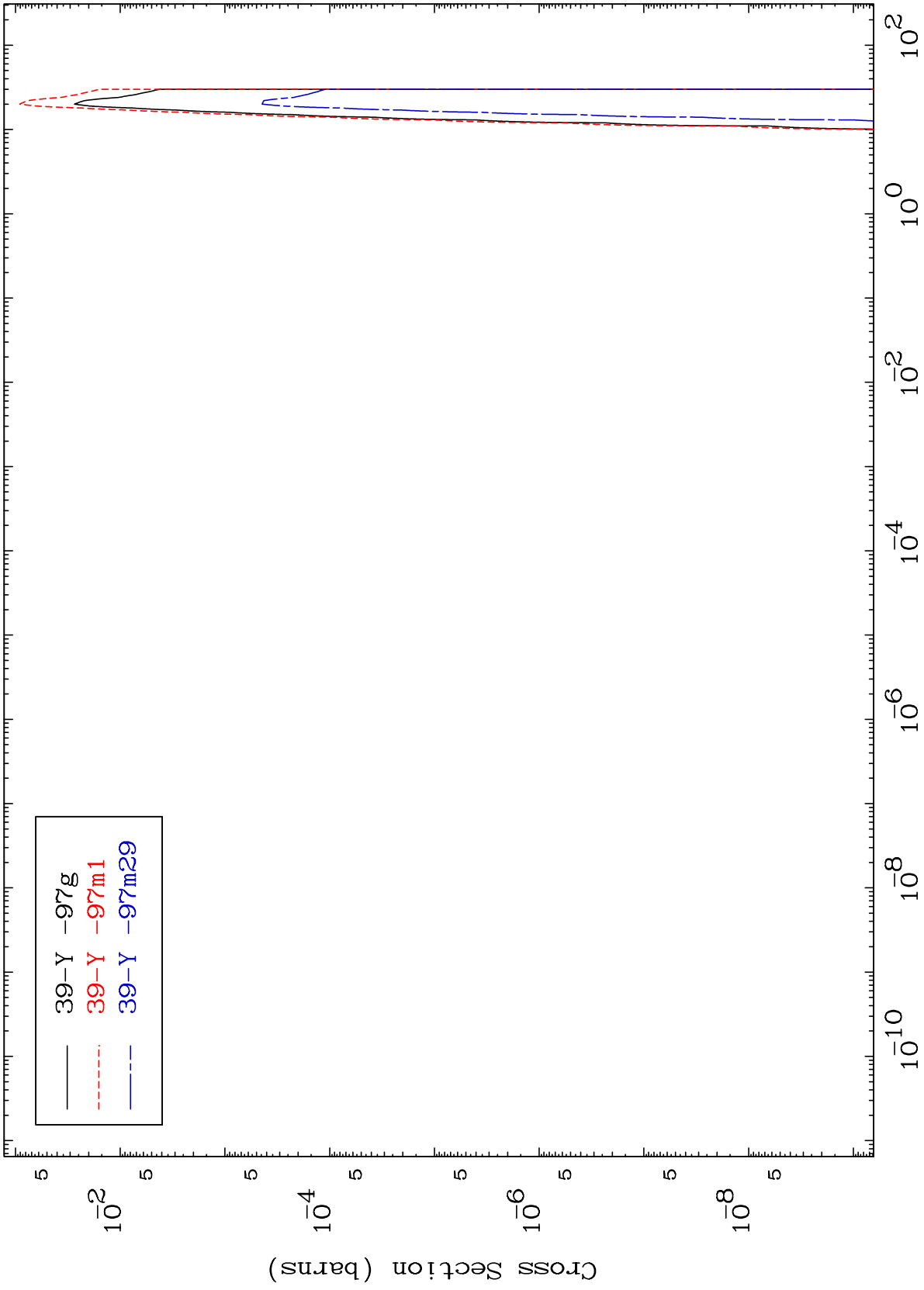
Incident Energy (MeV)

39-Y -97

MAT 3950

(α, α)
Radionuclide Production Cross Section

39-Y -97



19

Incident Energy (MeV)

39-Y -97