

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

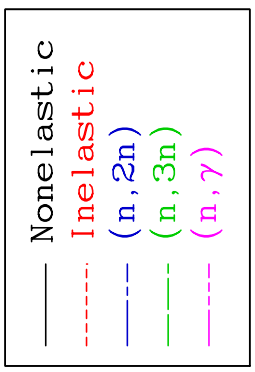
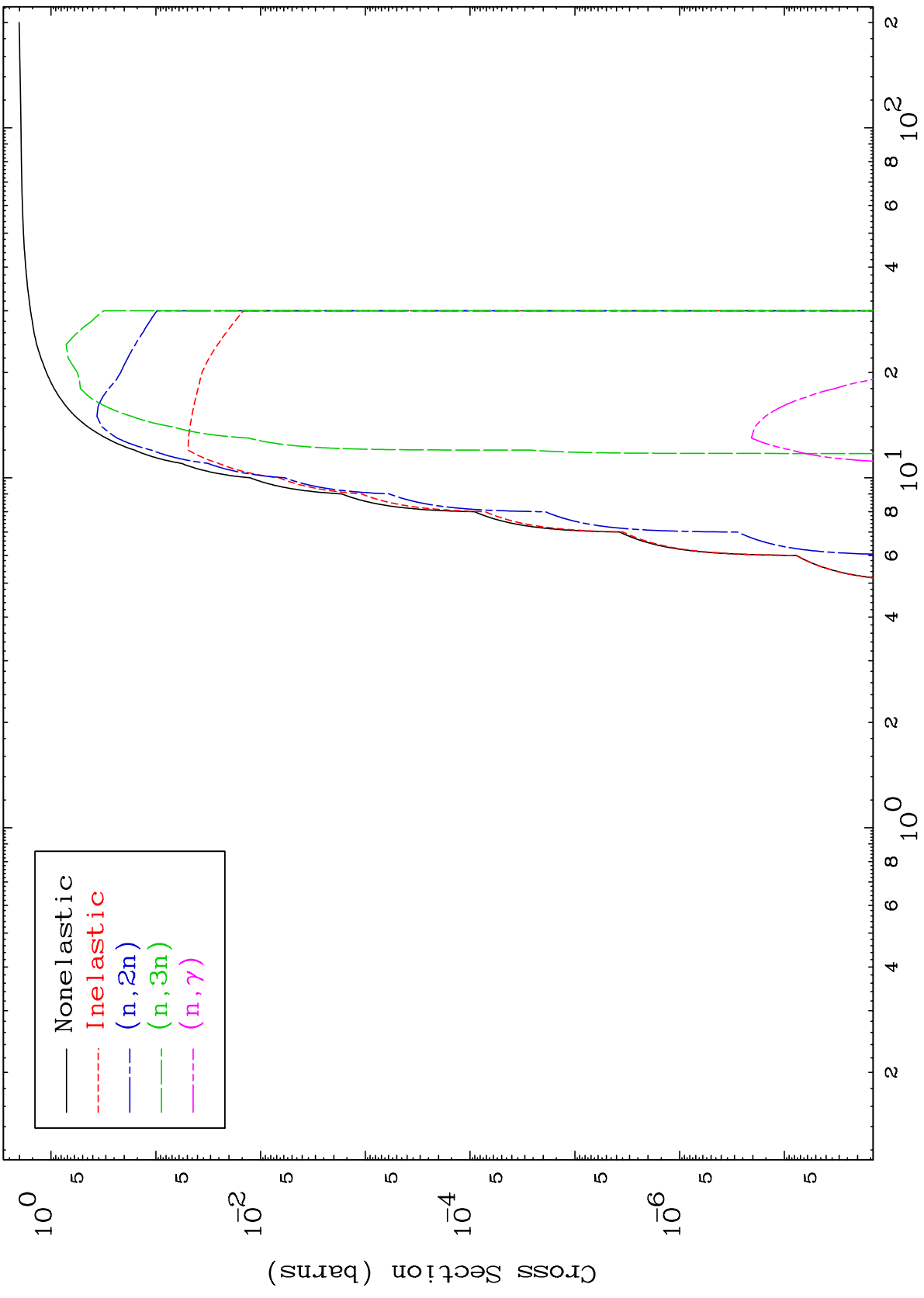
Press Mouse Button to Start

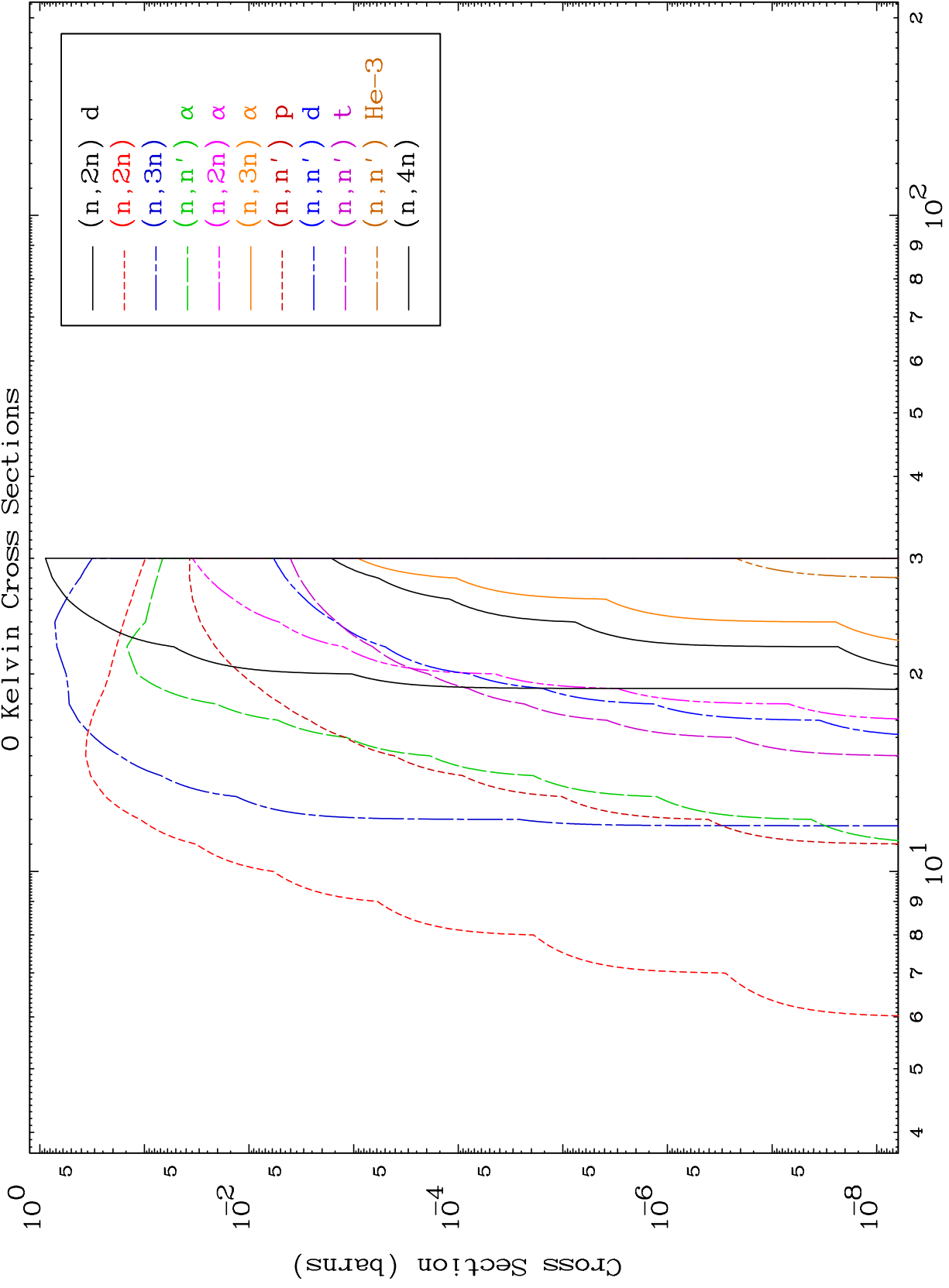
MAT 3953

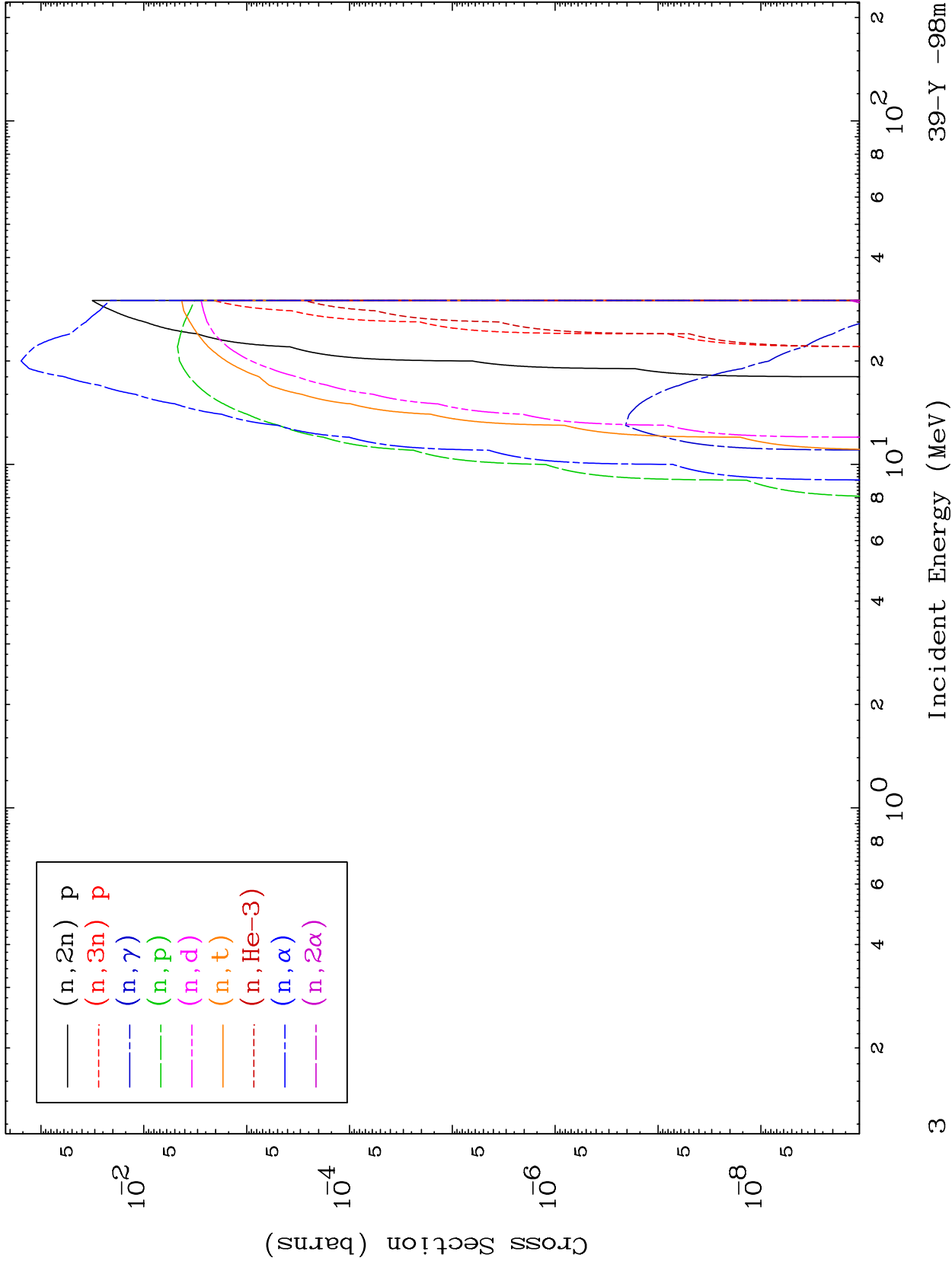
α Major

39-Y -98m

0 Kelvin Cross Sections



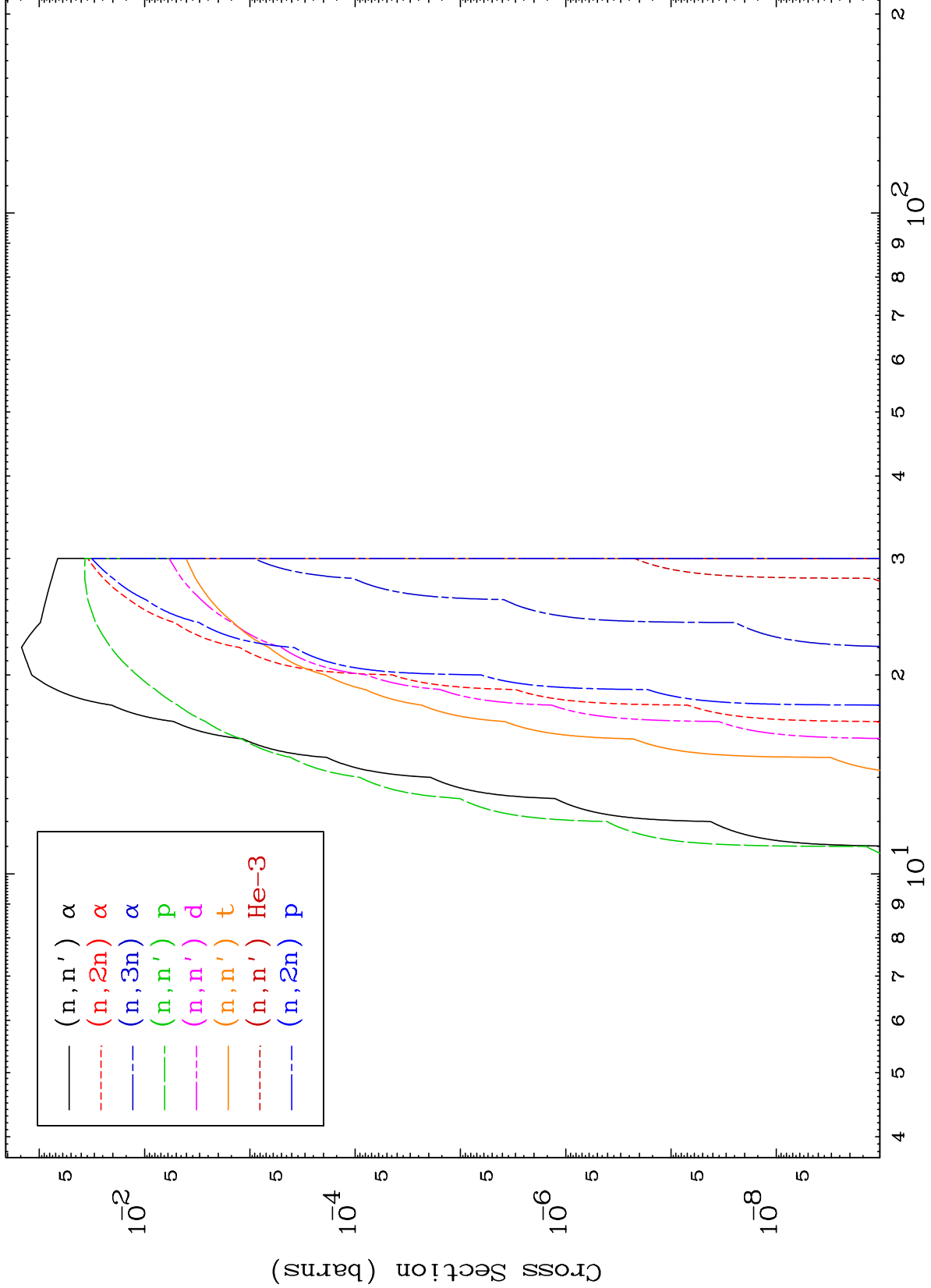




MAT 3953

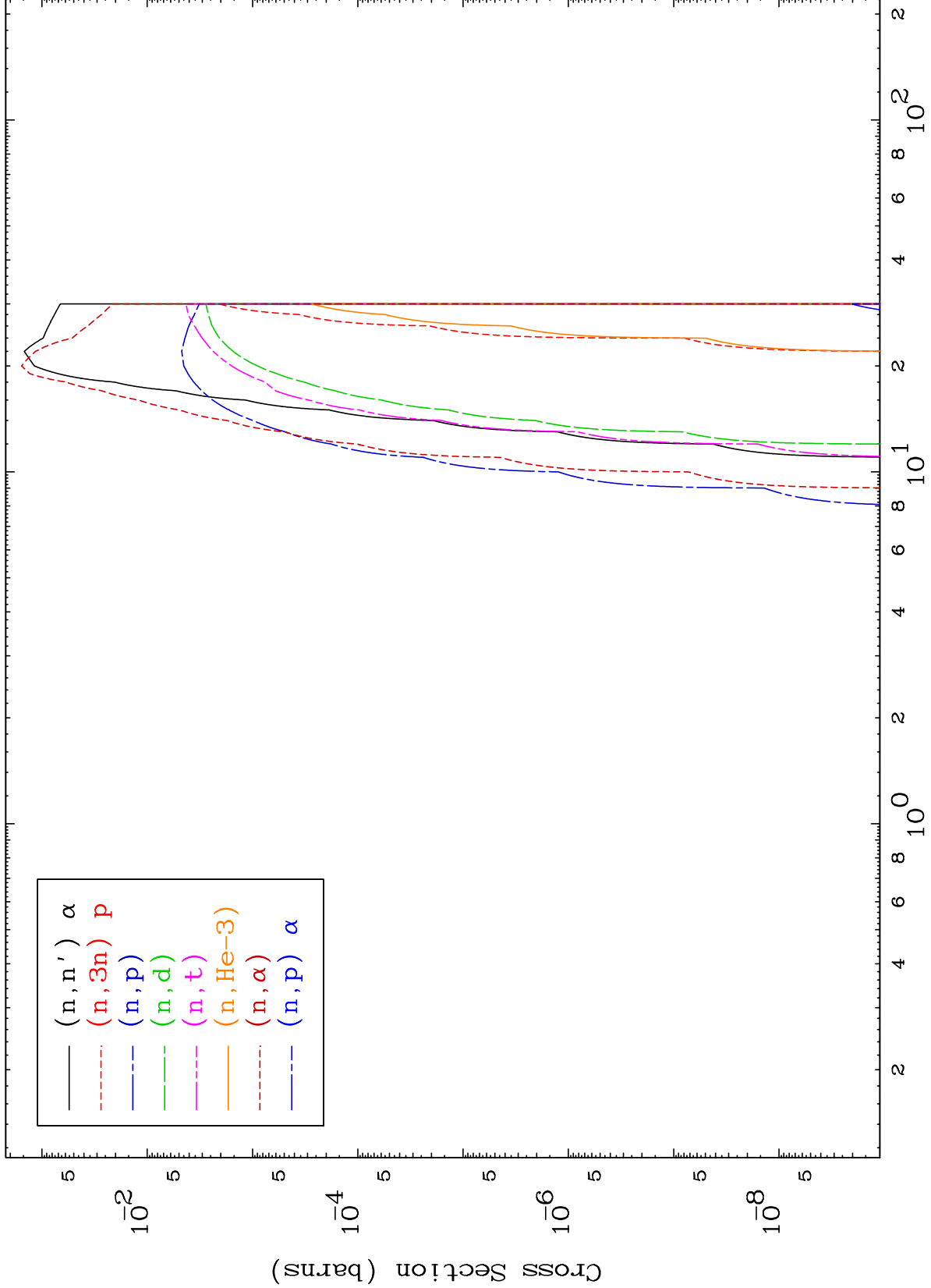
α Charged Particle
0 Kelvin Cross Sections

39-Y -98m



Incident Energy (MeV)

39-Y -98m

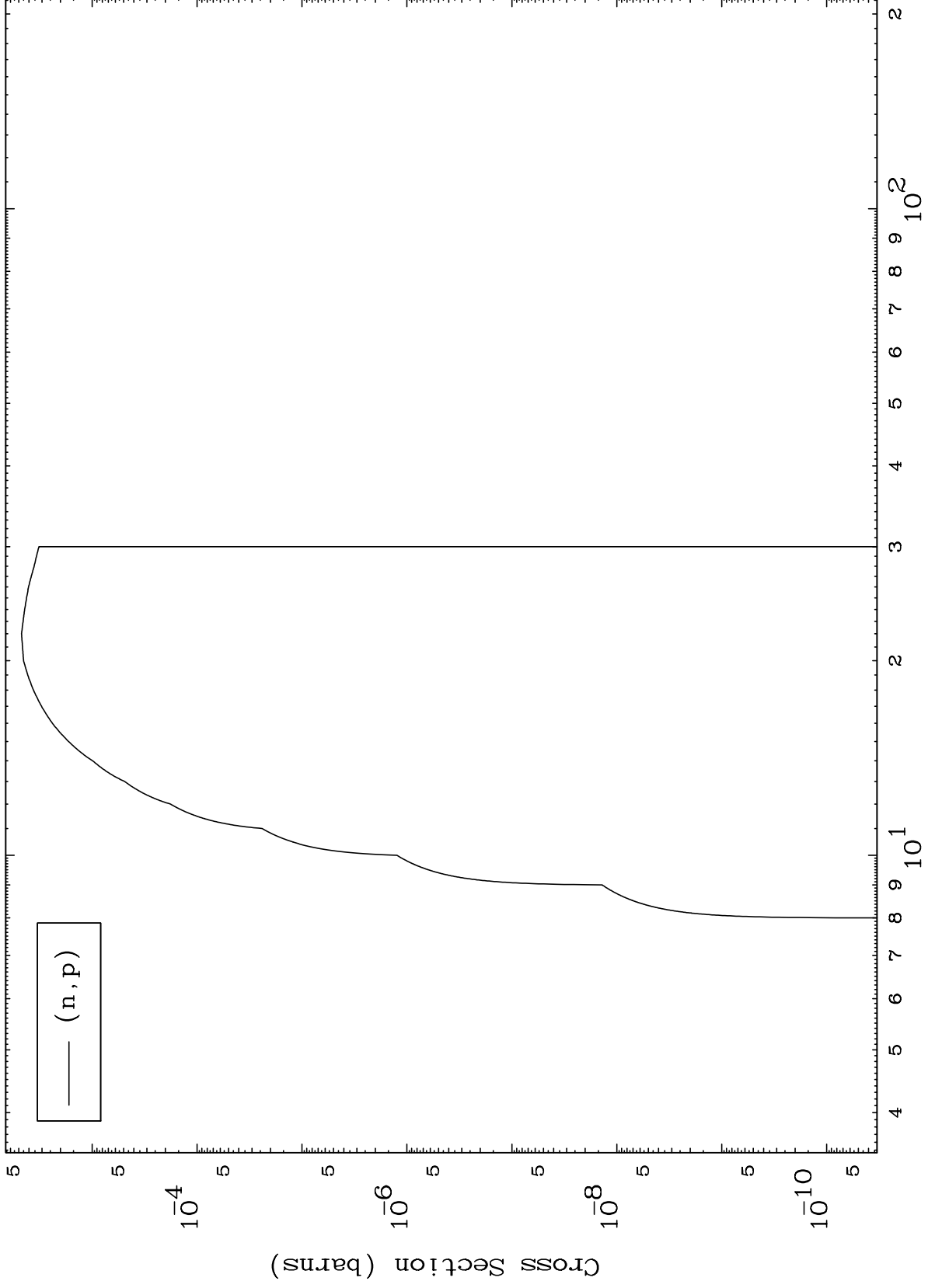


MAT 3953

(α, p) Levels

39-Y -98m

0 Kelvin Cross Sections



(n, p)

Incident Energy (MeV)

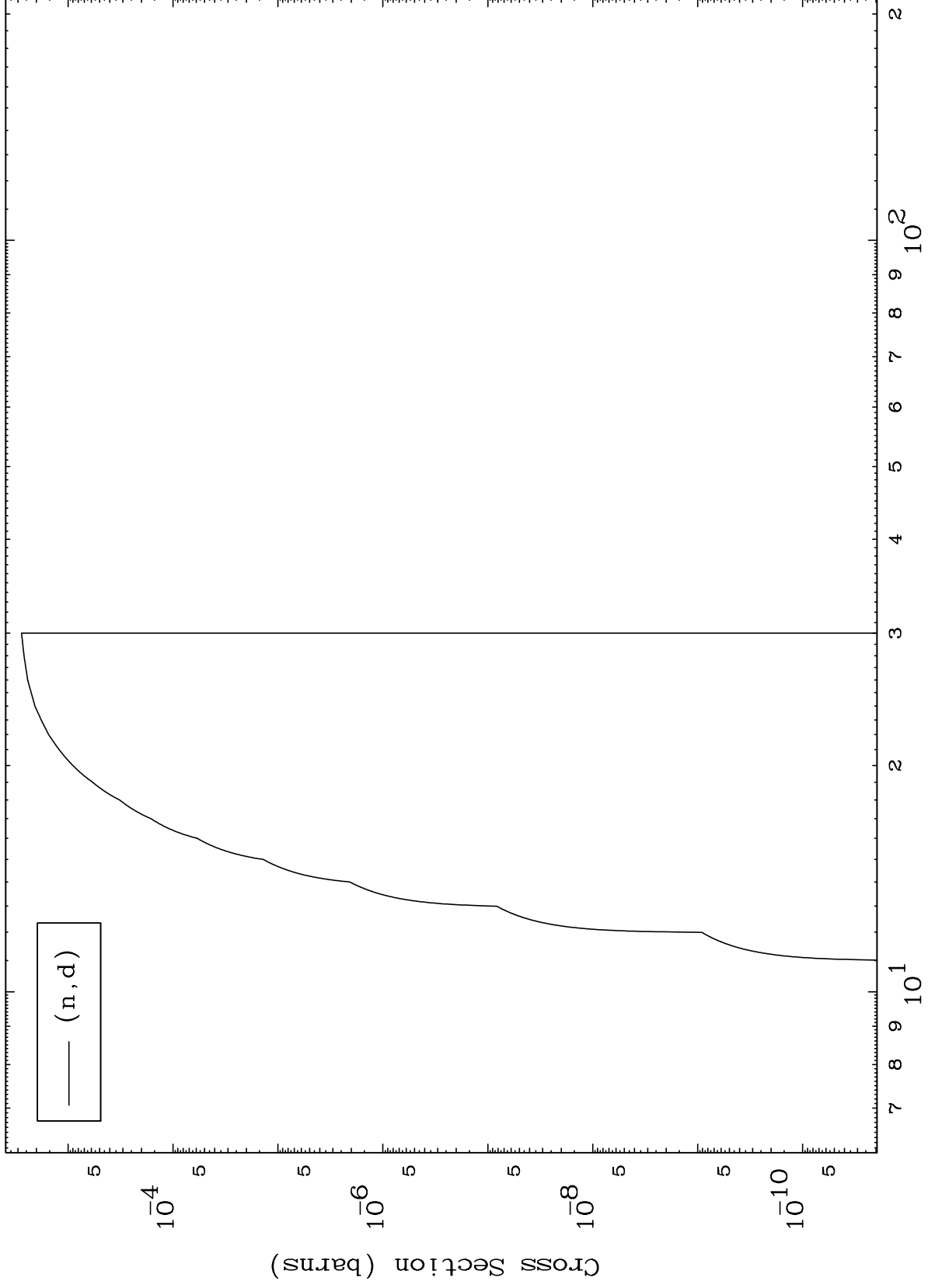
39-Y -98m

6

MAT 3953

(α, d) Levels
0 Kelvin Cross Sections

39-Y -98m



7

Incident Energy (MeV)

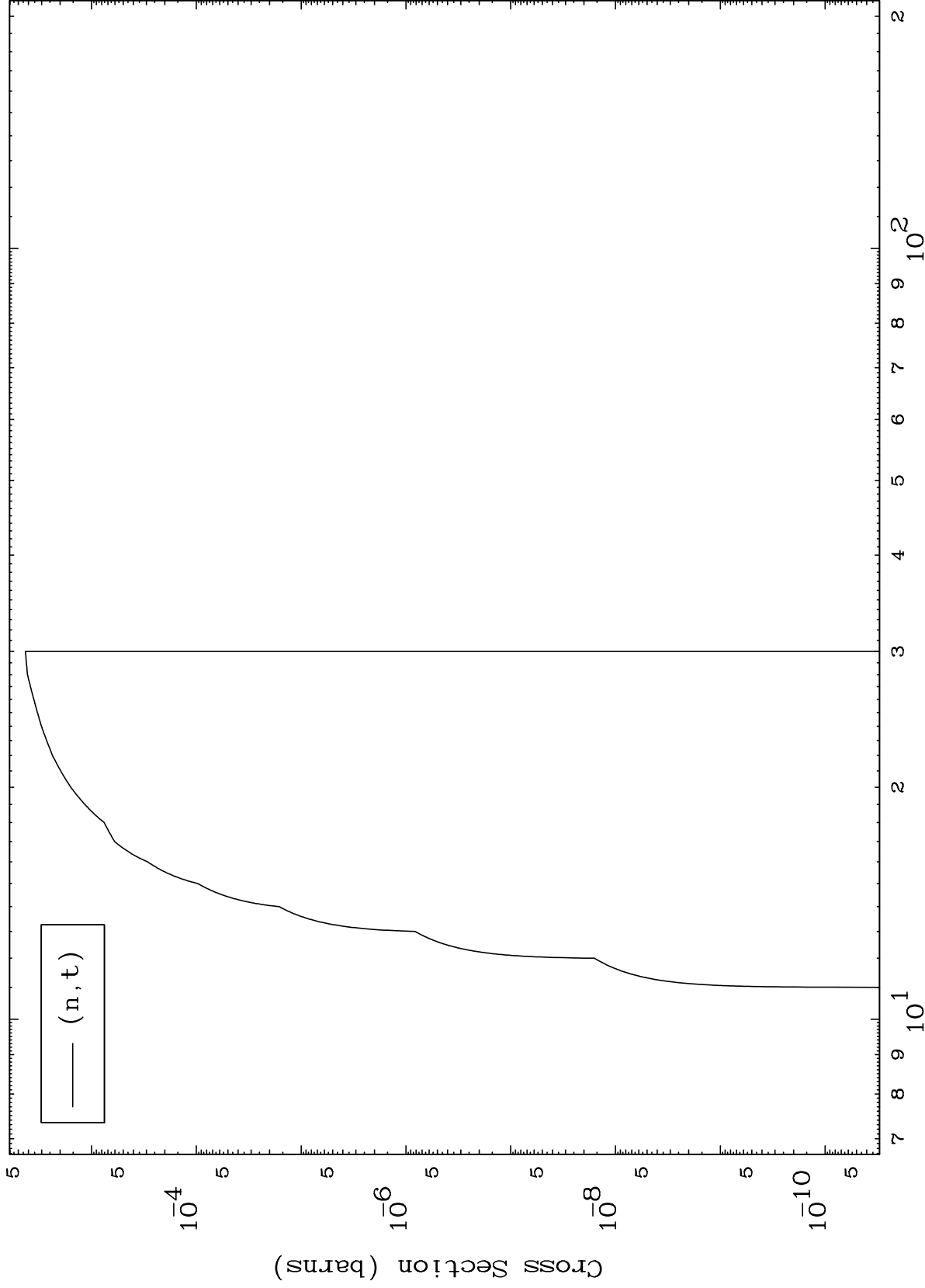
39-Y -98m

MAT 3953

(α, t) Levels

39-Y -98m

0 Kelvin Cross Sections



8

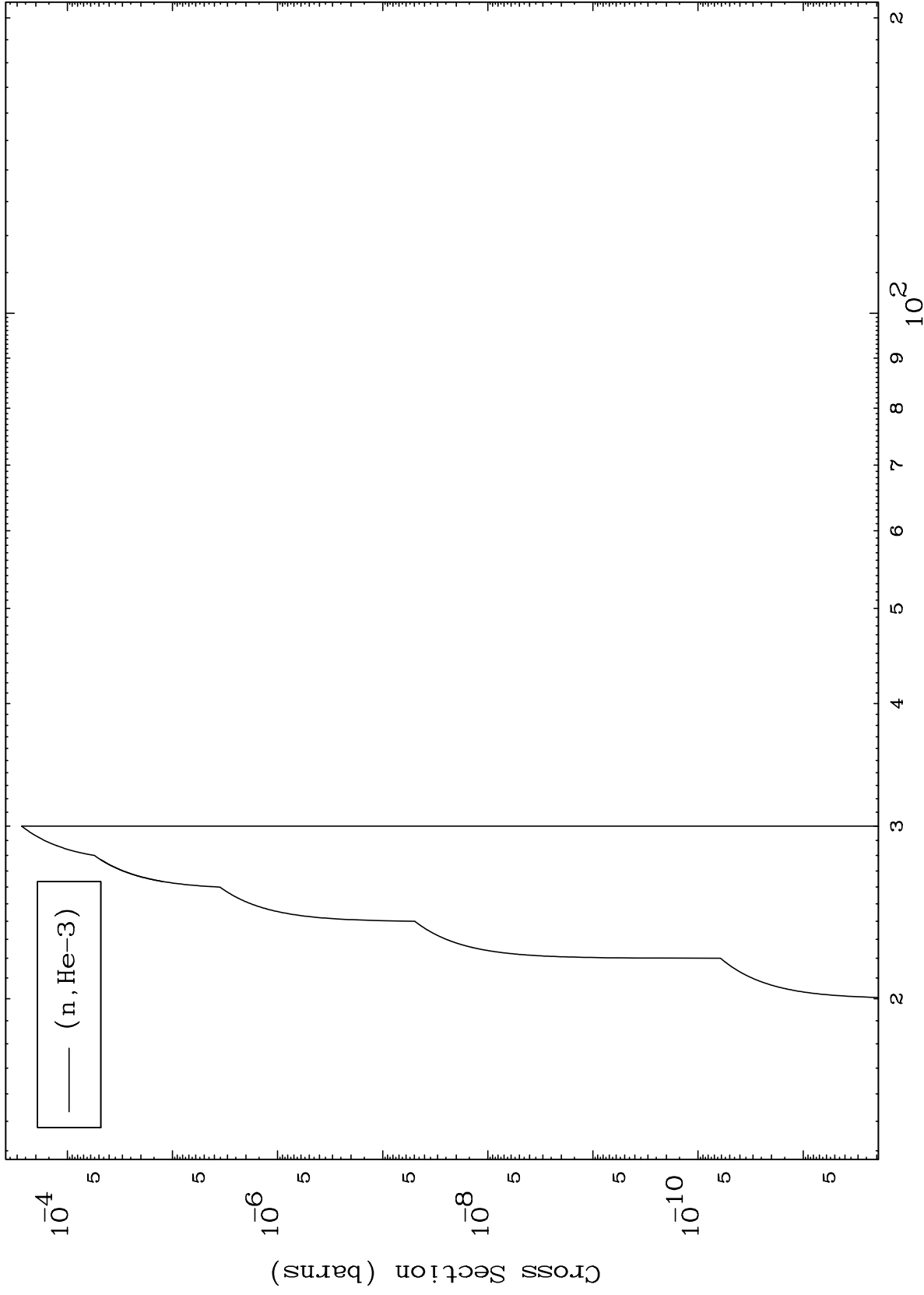
Incident Energy (MeV)

39-Y -98m

MAT 3953

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

39-Y -98m

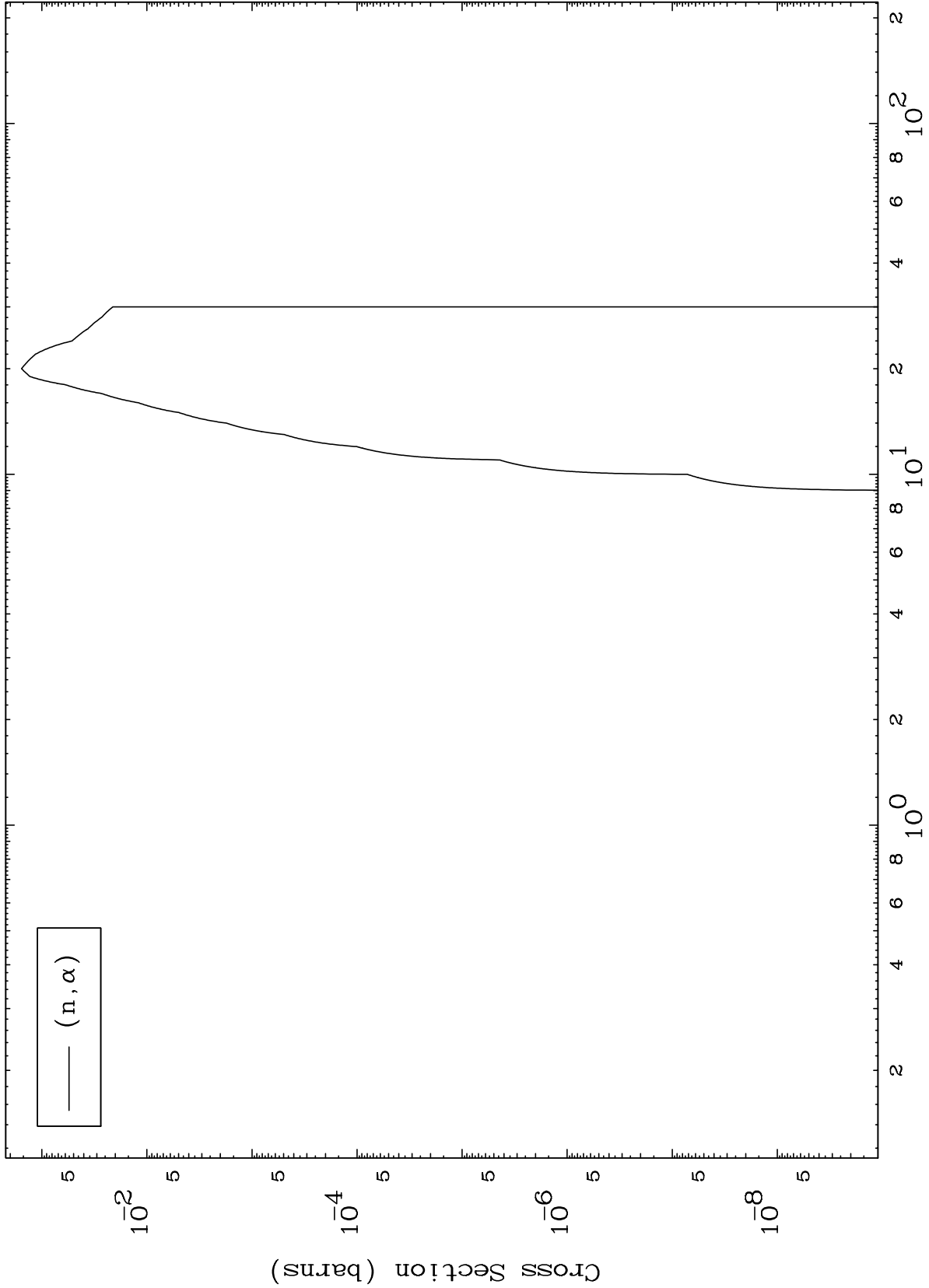


MAT 3953

(α, α) Levels

39-Y -98m

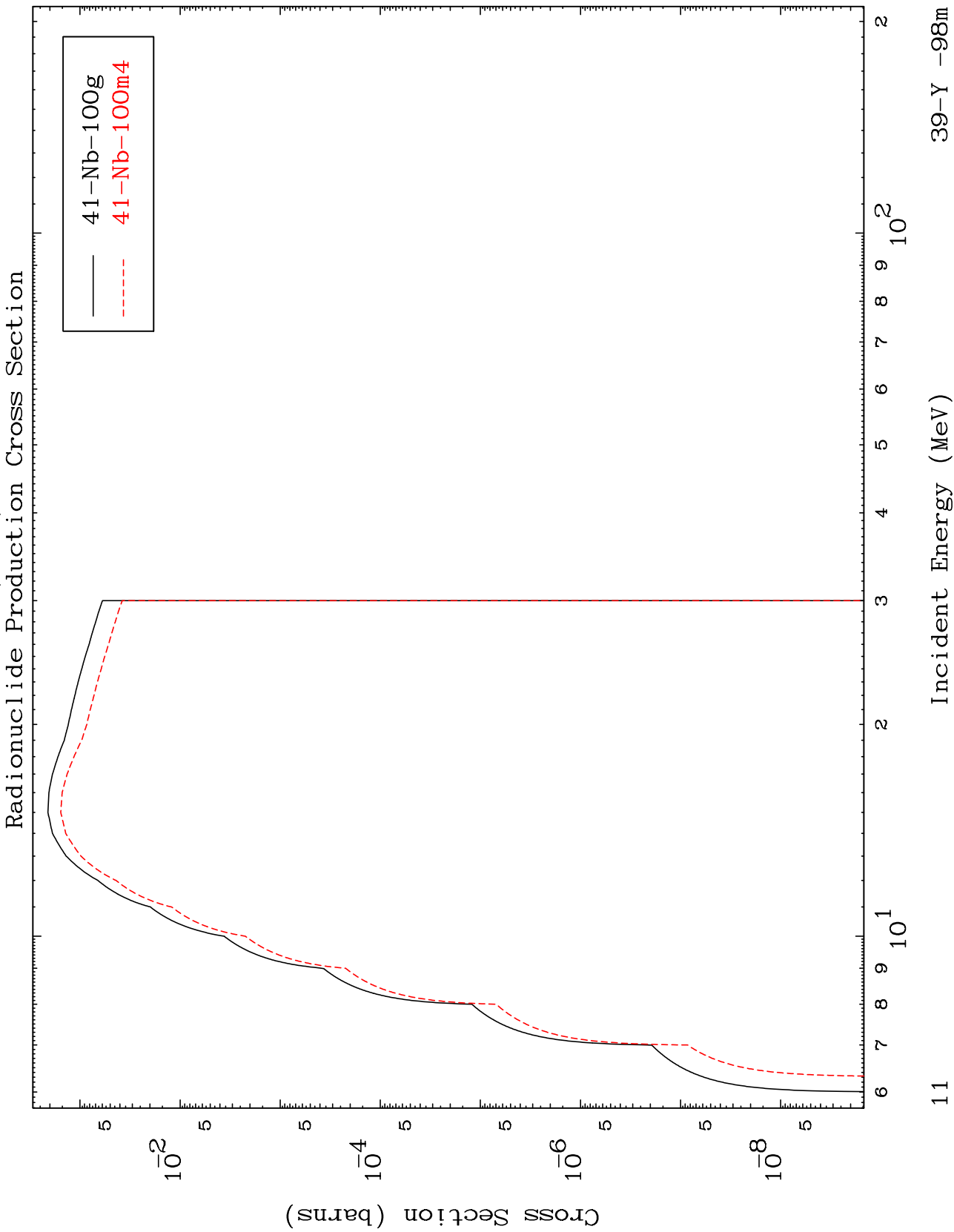
0 Kelvin Cross Sections



10

Incident Energy (MeV)

39-Y -98m

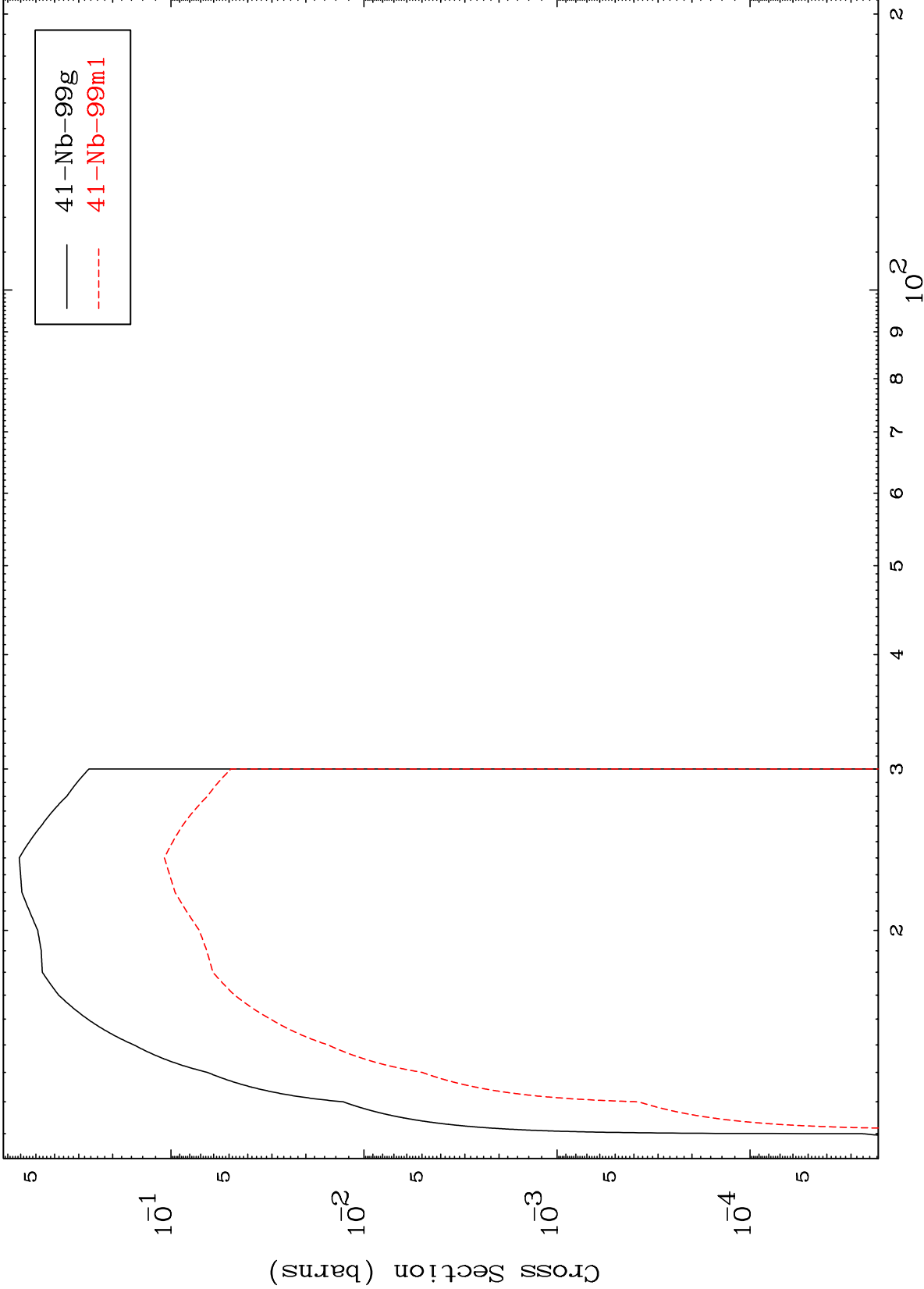


MAT 3953

(n,3n)

39-Y -98m

Radionuclide Production Cross Section



41-Nb-99g
41-Nb-99m1

12

Incident Energy (MeV)

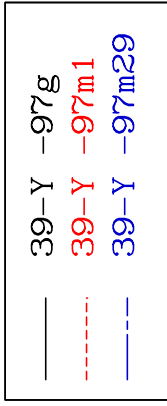
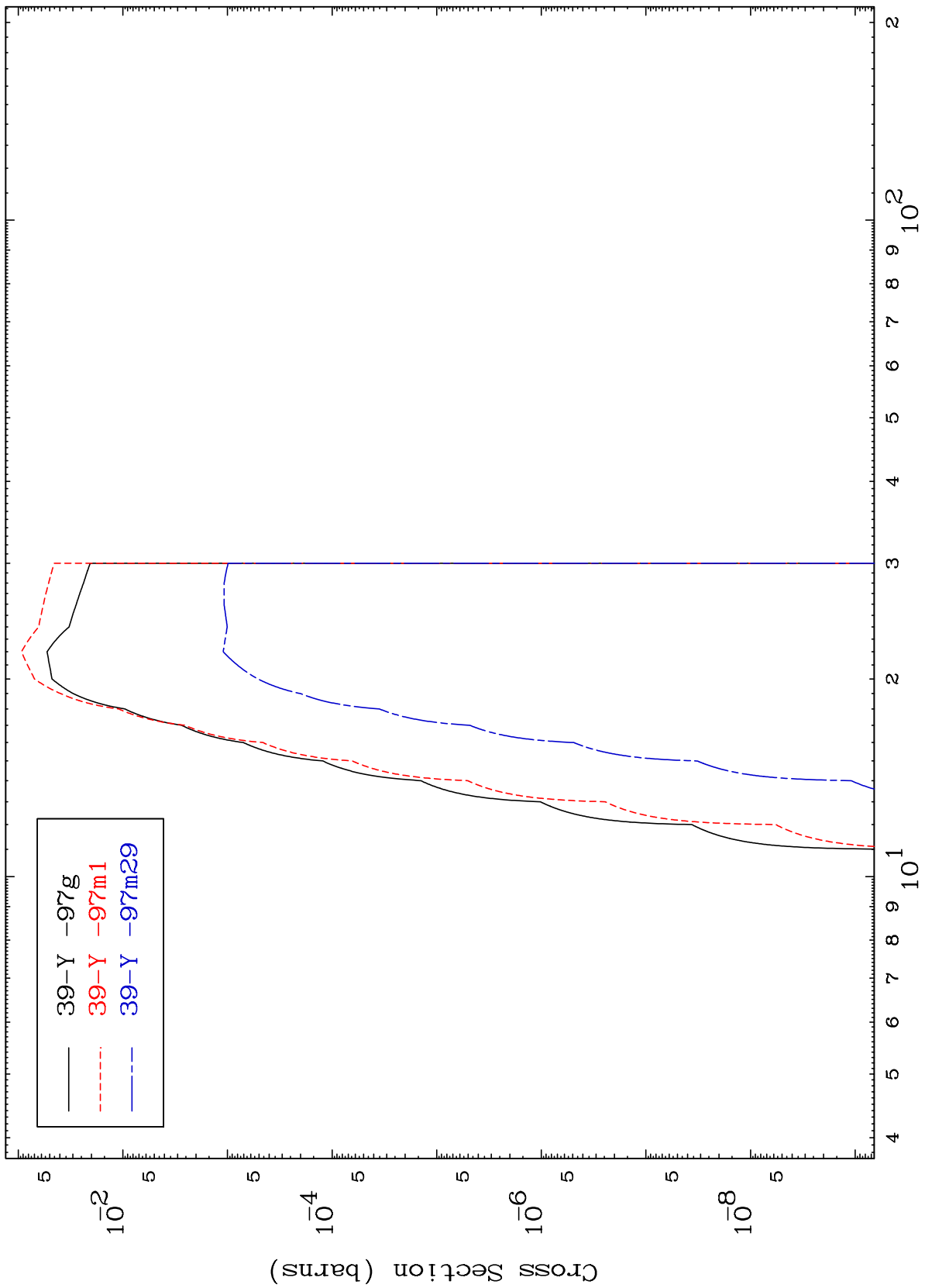
39-Y -98m

MAT 3953

$(n, n') \alpha$

39-Y -98m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

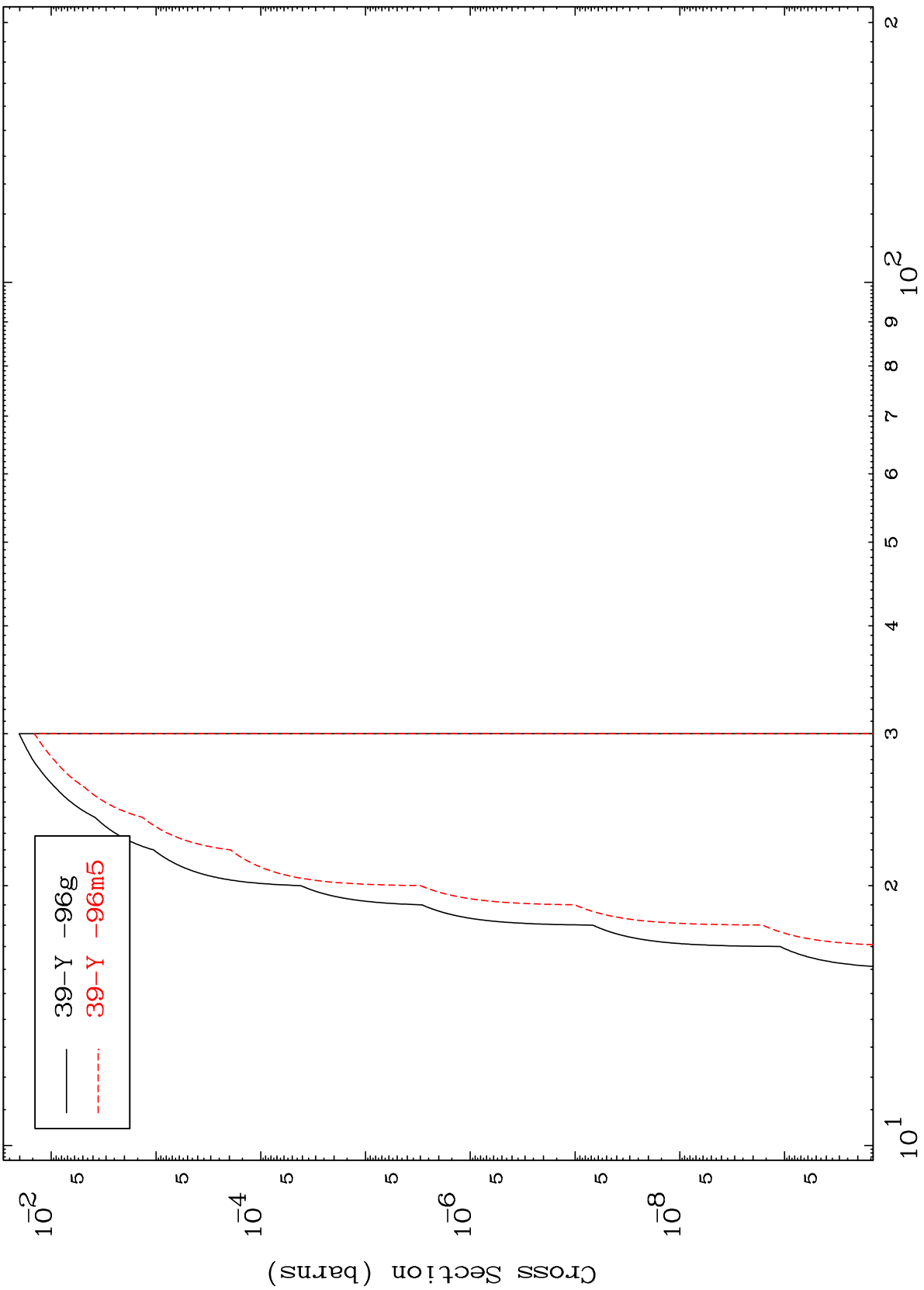
39-Y -98m

MAT 3953

(n,2n) α

39-Y -98m

Radionuclide Production Cross Section



Legend:
— 39-Y -96g
- - - 39-Y -96m5

Incident Energy (MeV)

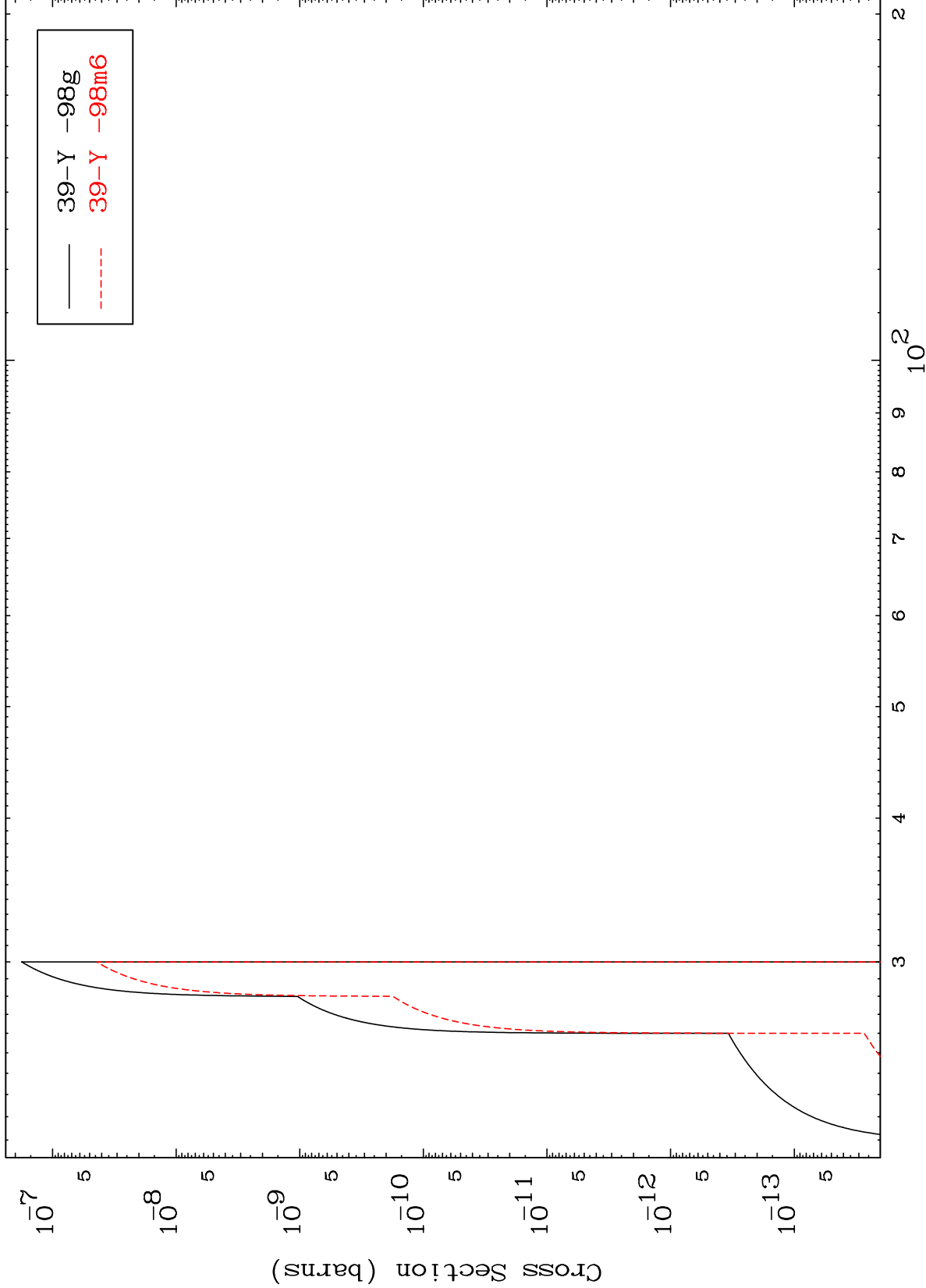
39-Y -98m

MAT 3953

(n,n') He-3

39-Y -98m

Radionuclide Production Cross Section



39-Y -98g
39-Y -98m6

15

Incident Energy (MeV)

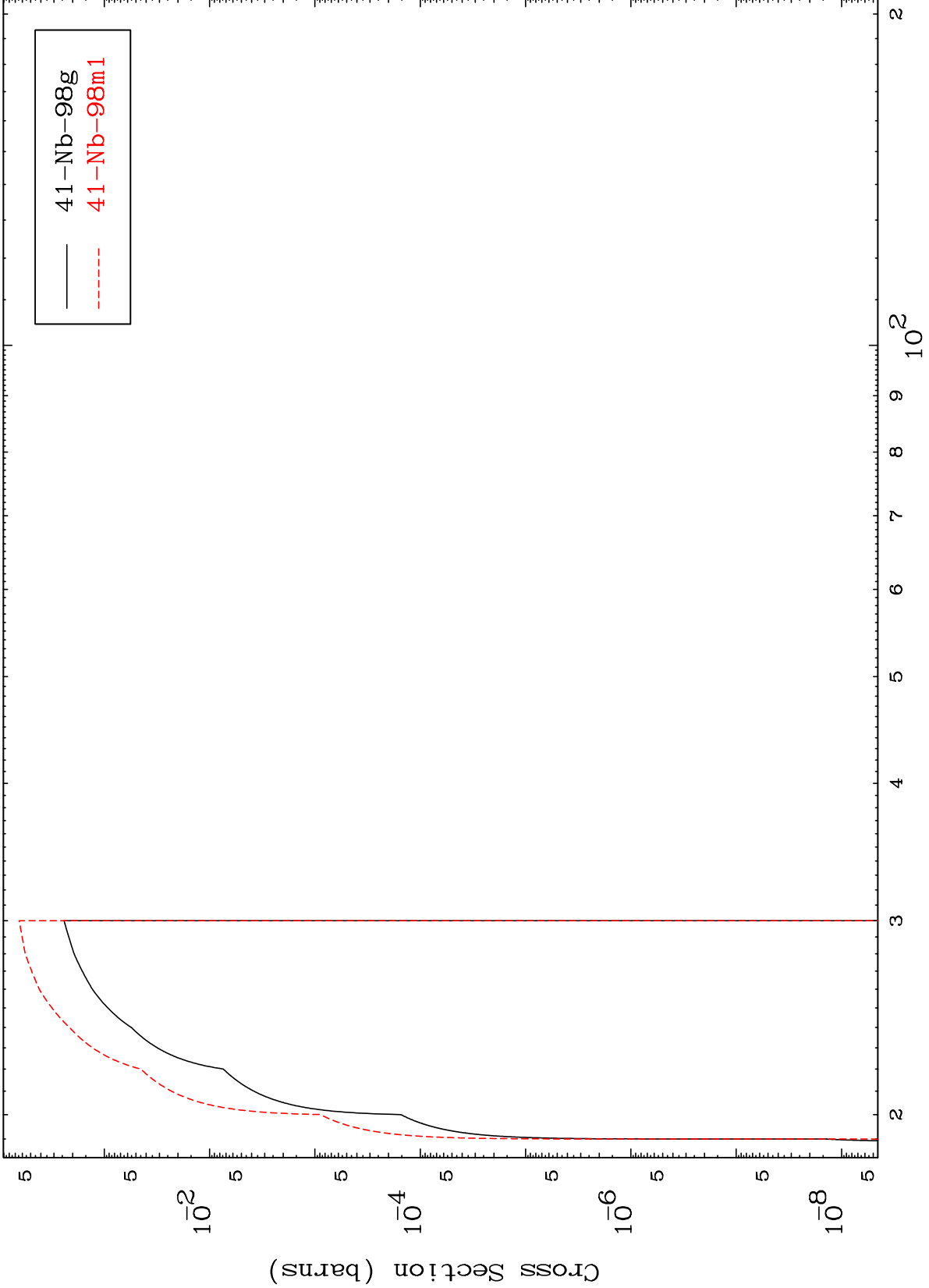
39-Y -98m

MAT 3953

(n,4n)

39-Y -98m

Radionuclide Production Cross Section



16

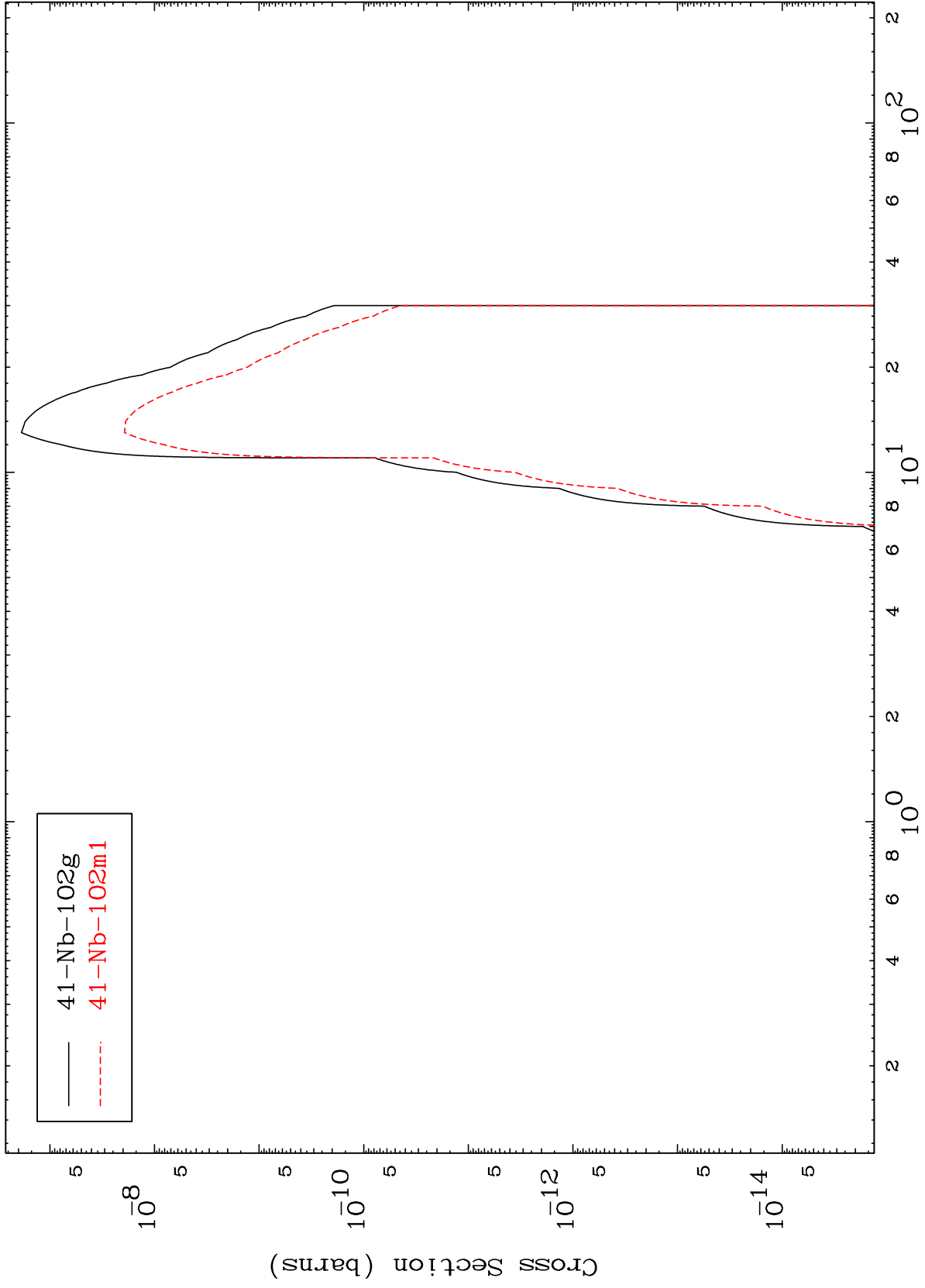
Incident Energy (MeV)

39-Y -98m

MAT 3953

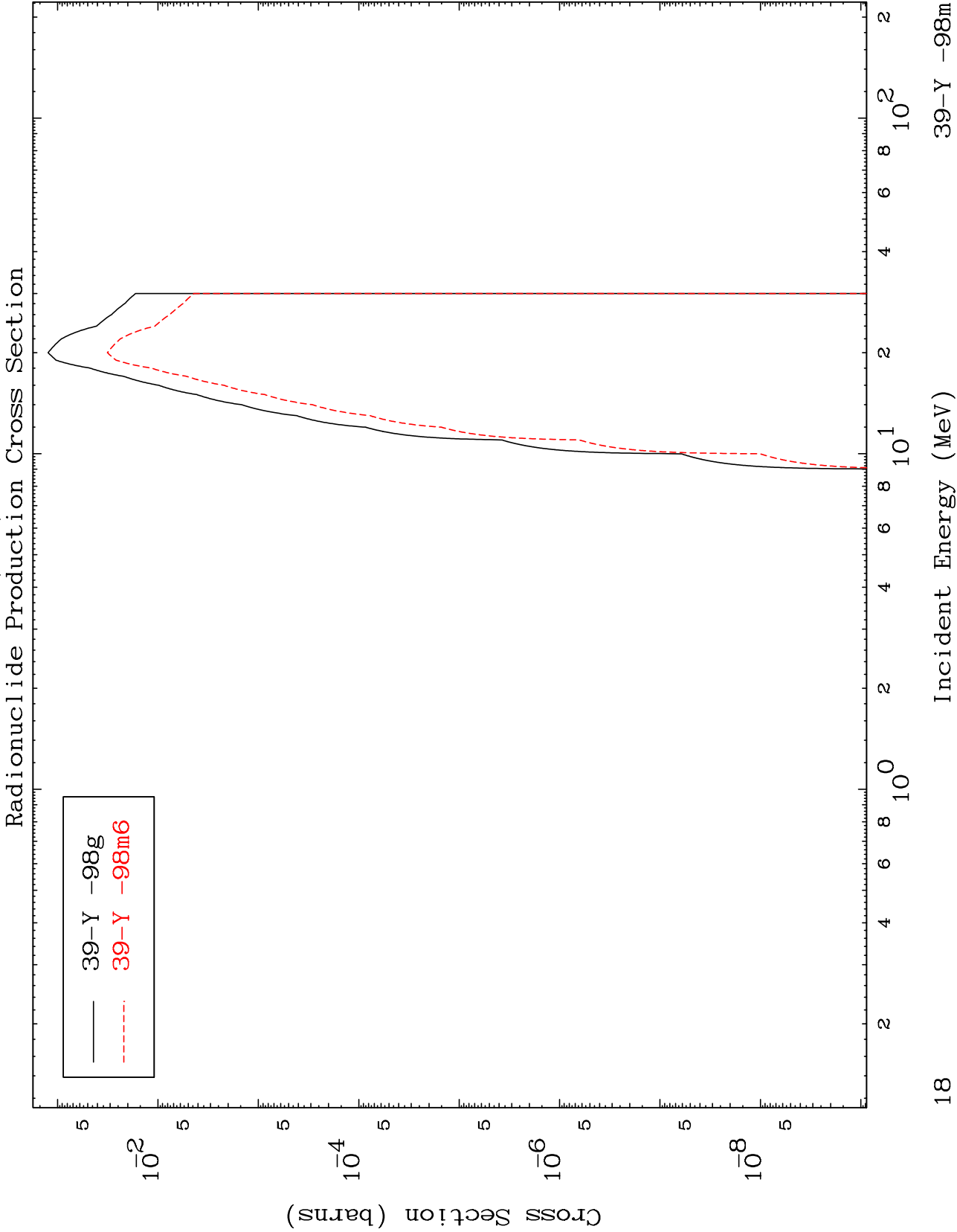
39-Y -98m

Radionuclide Production Cross Section
(n, γ)



MAT 3953

39-Y -98m

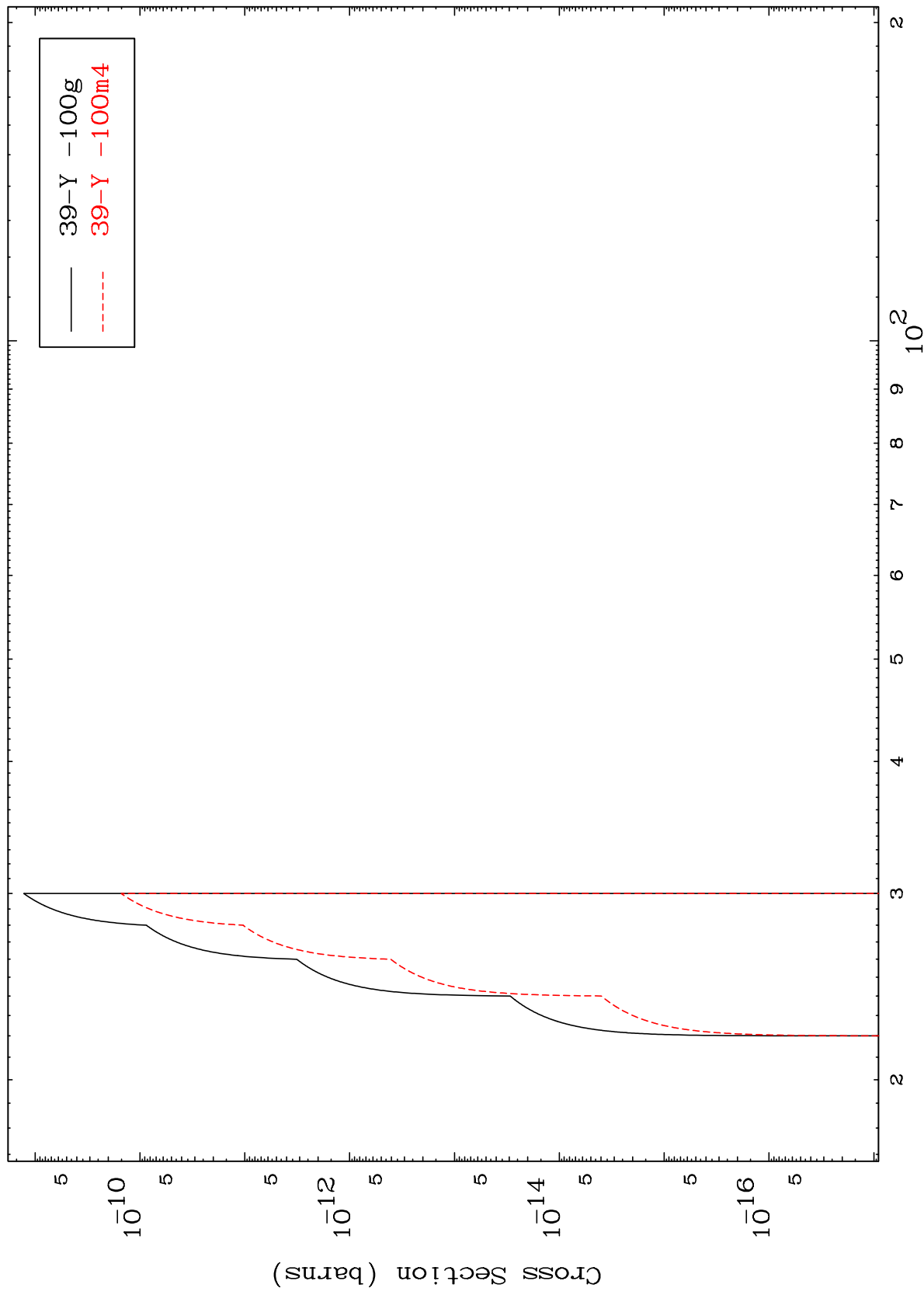


— 39-Y -98g
- - - 39-Y -98m6

MAT 3953

39-Y -98m

(n,2p)
Radionuclide Production Cross Section



19

39-Y -98m

Incident Energy (MeV)