

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

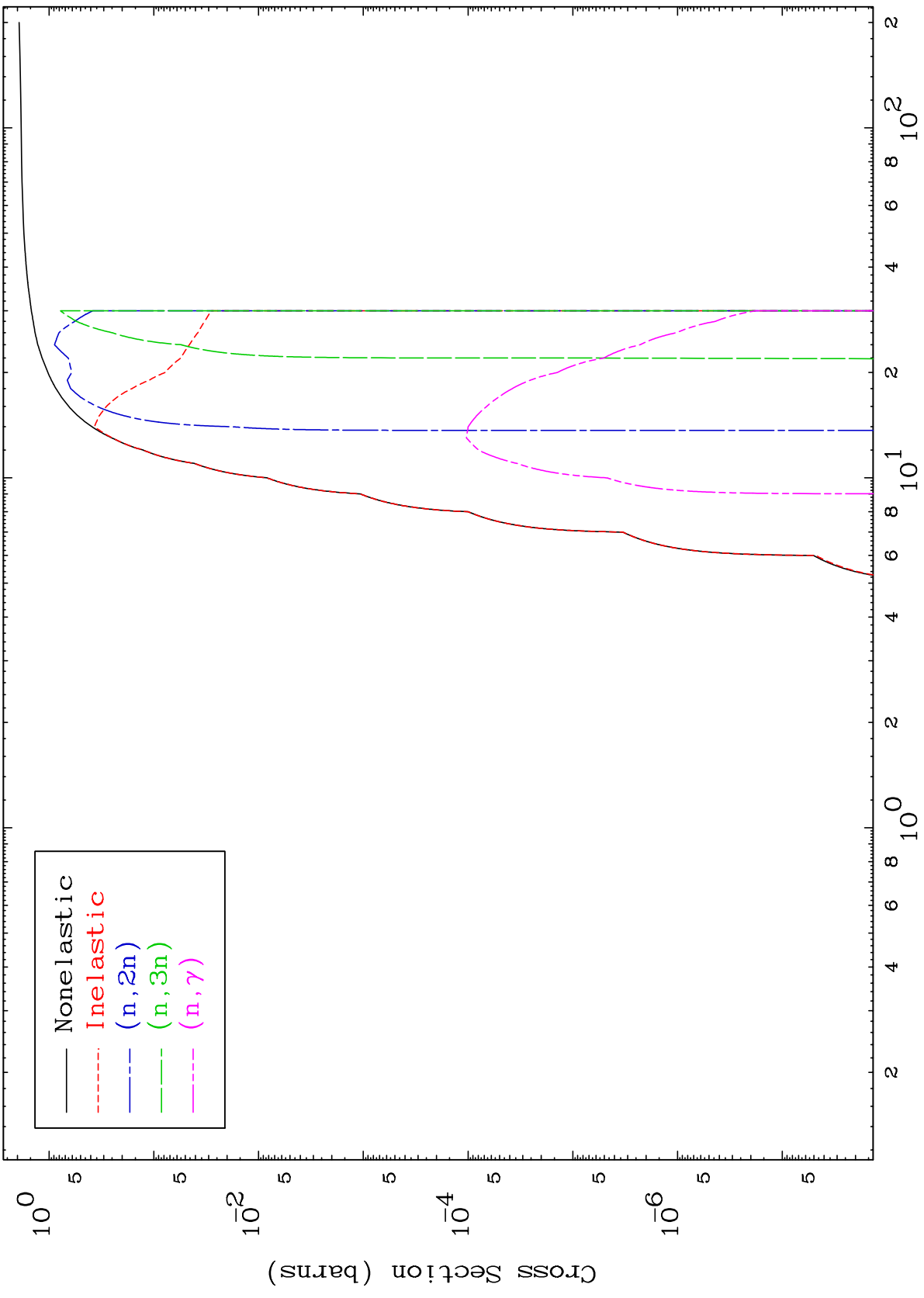
Press Mouse Button to Start

MAT 3929

α Major

39-Y -90m

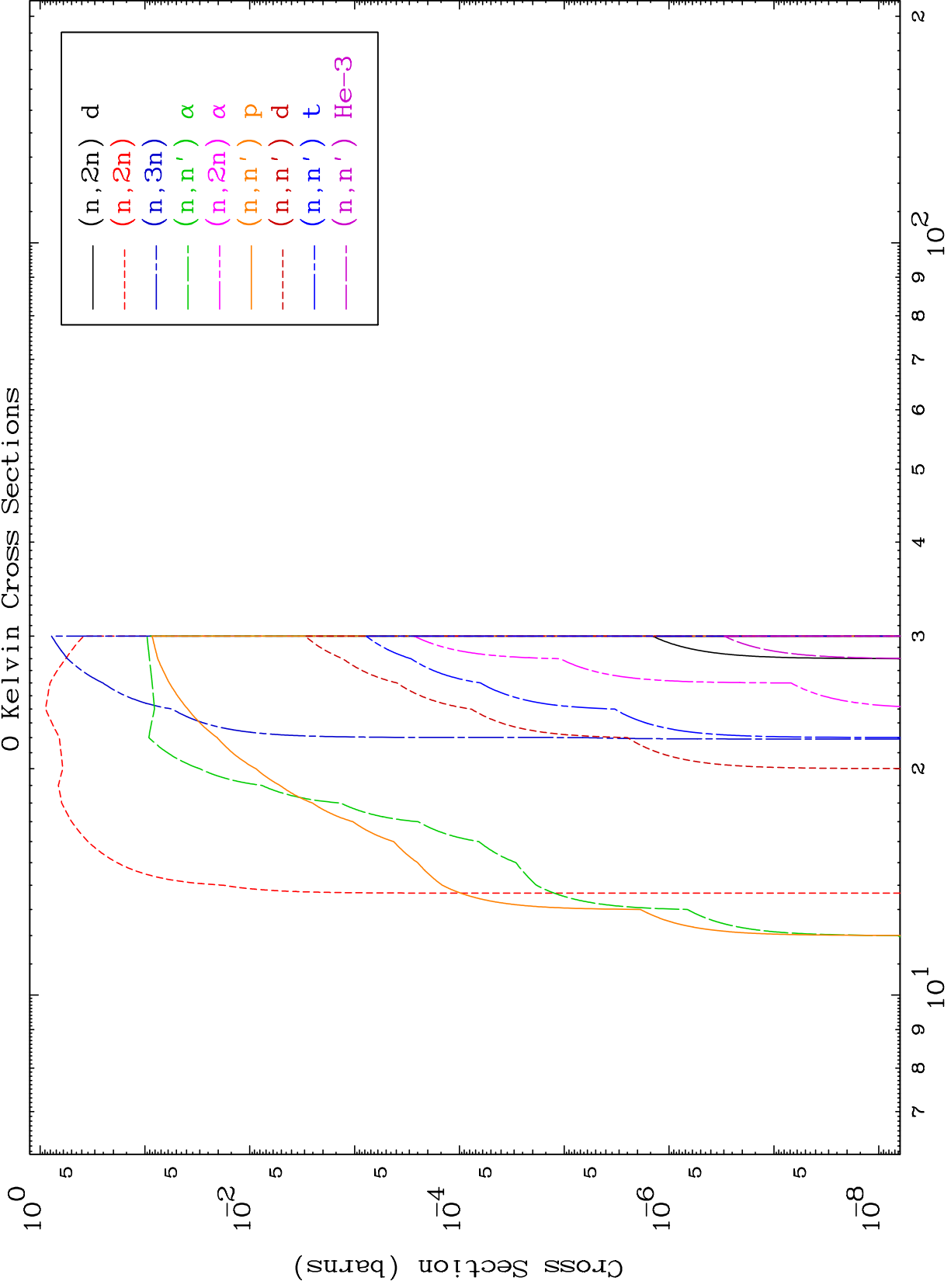
0 Kelvin Cross Sections



MAT 3929

α Neutron Absorption
0 Kelvin Cross Sections

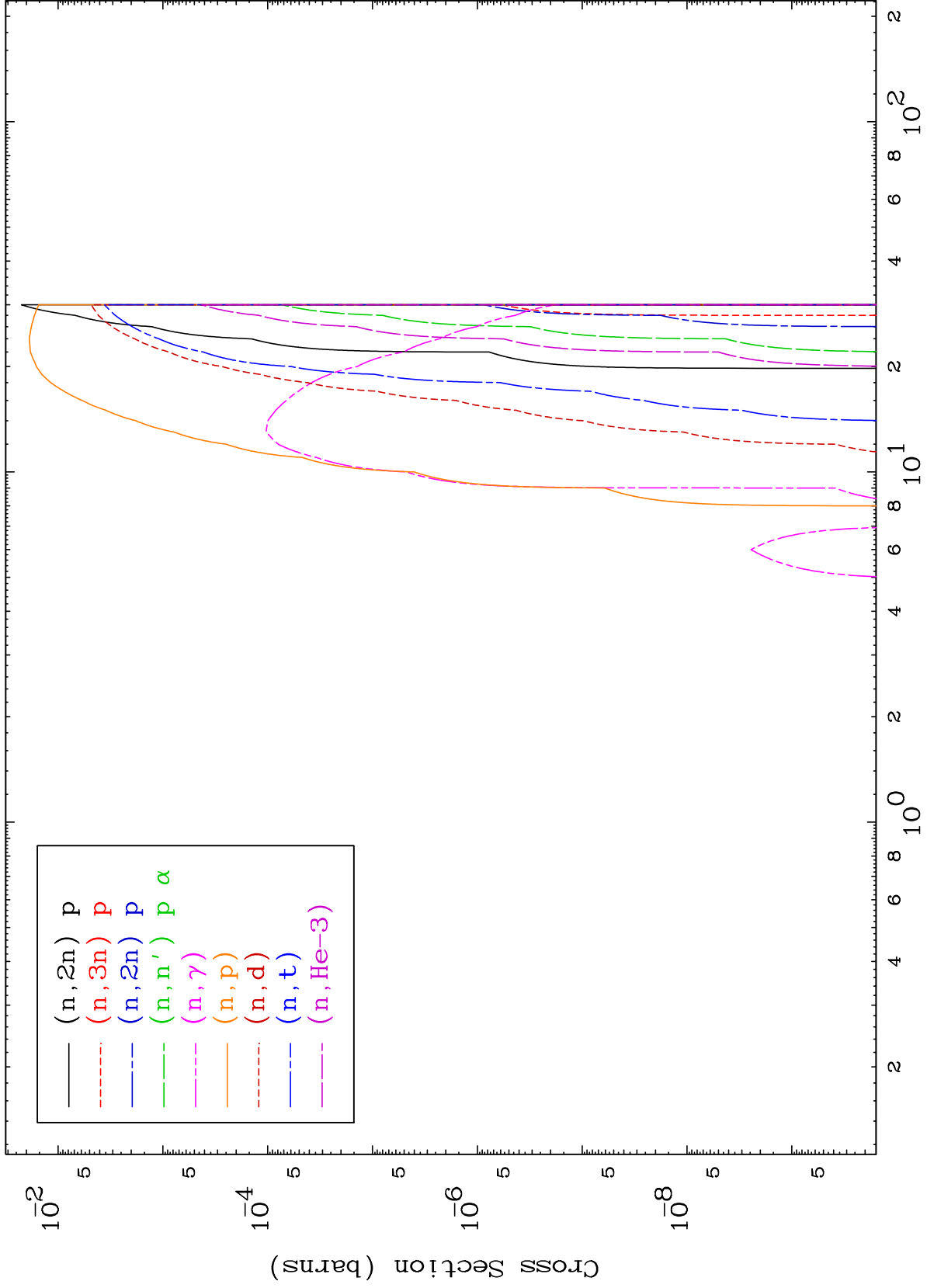
39-Y -90m



2

Incident Energy (MeV)

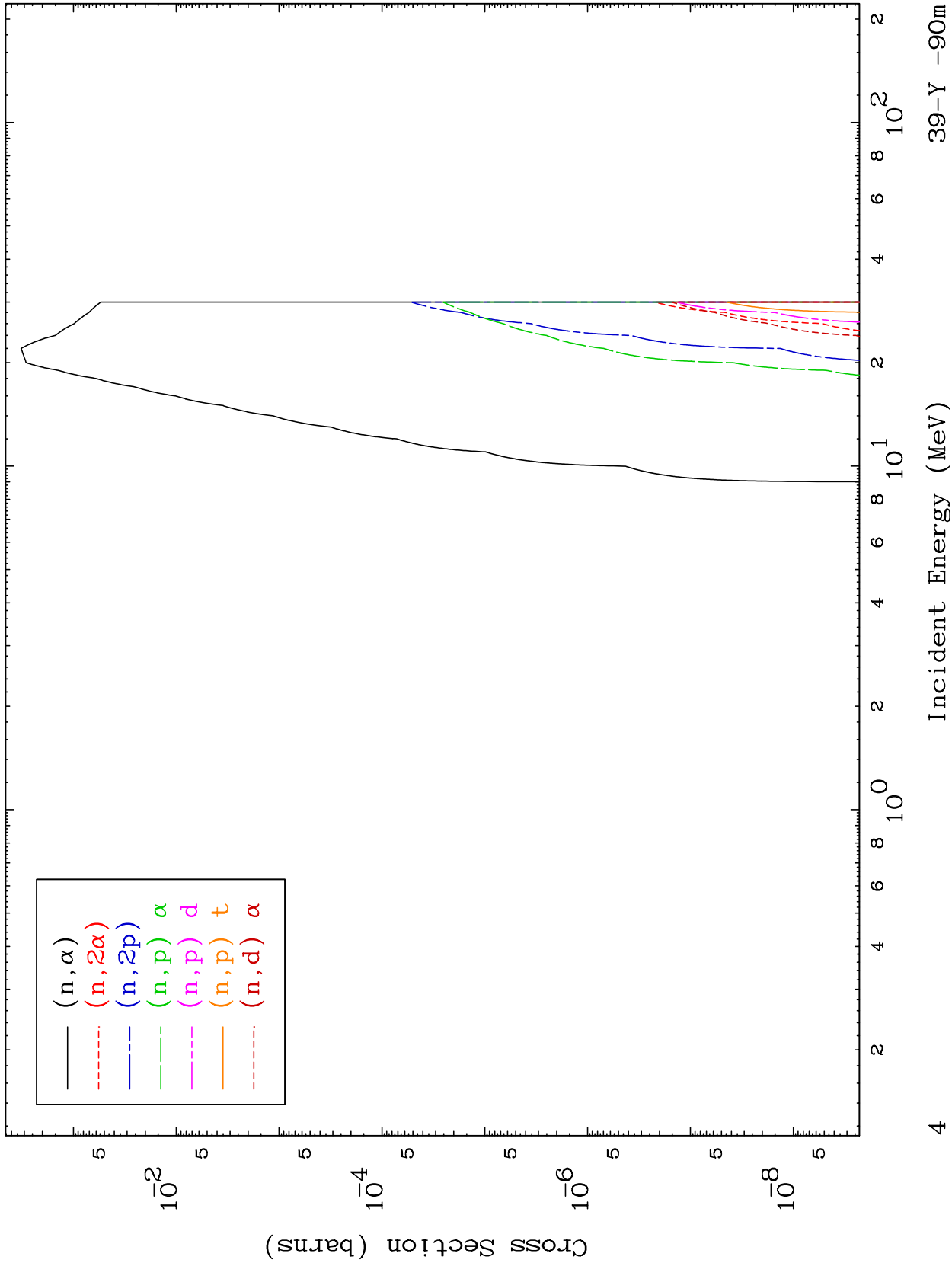
39-Y -90m

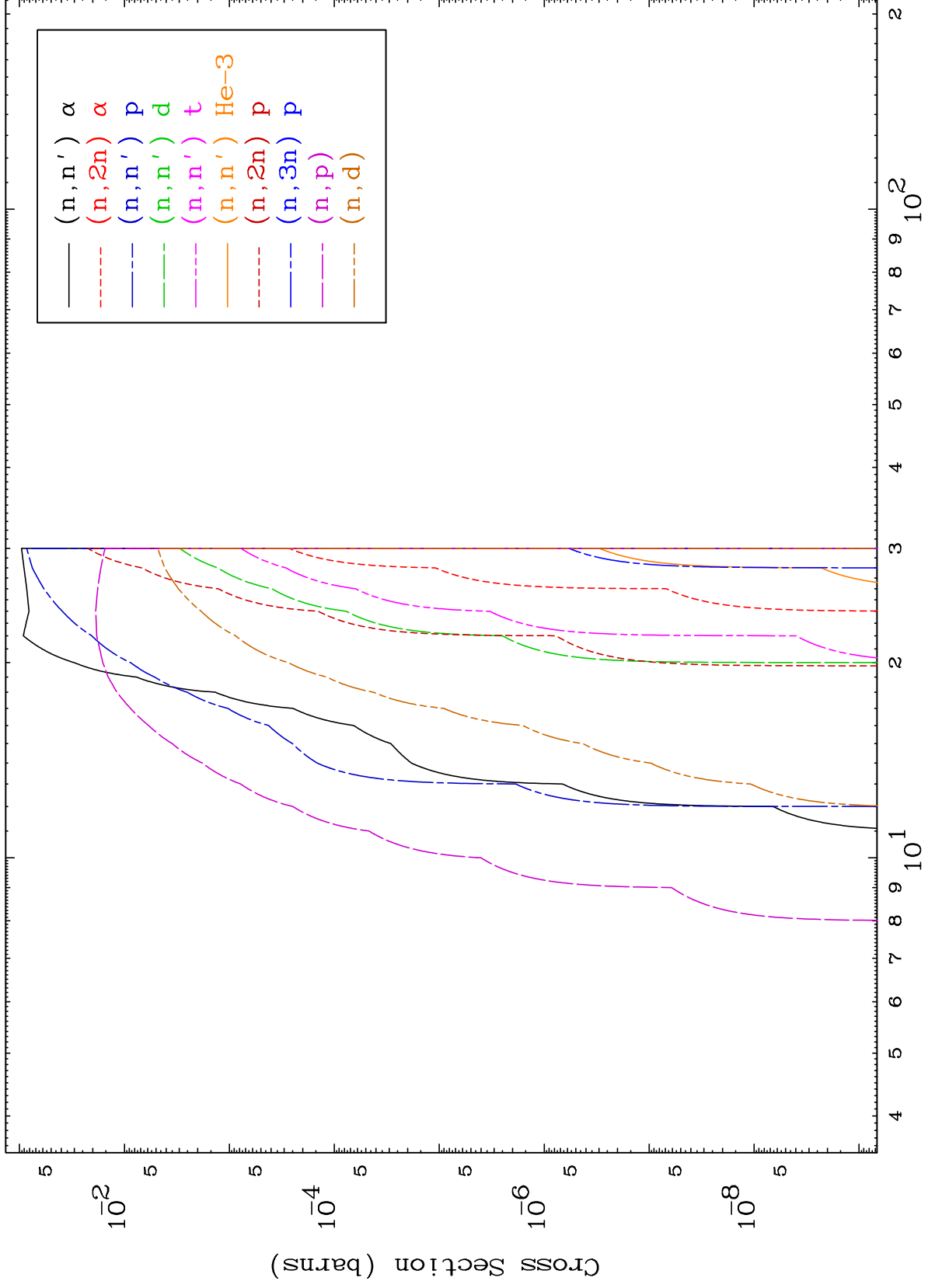


MAT 3929

α Neutron Absorption
0 Kelvin Cross Sections

39-Y -90m

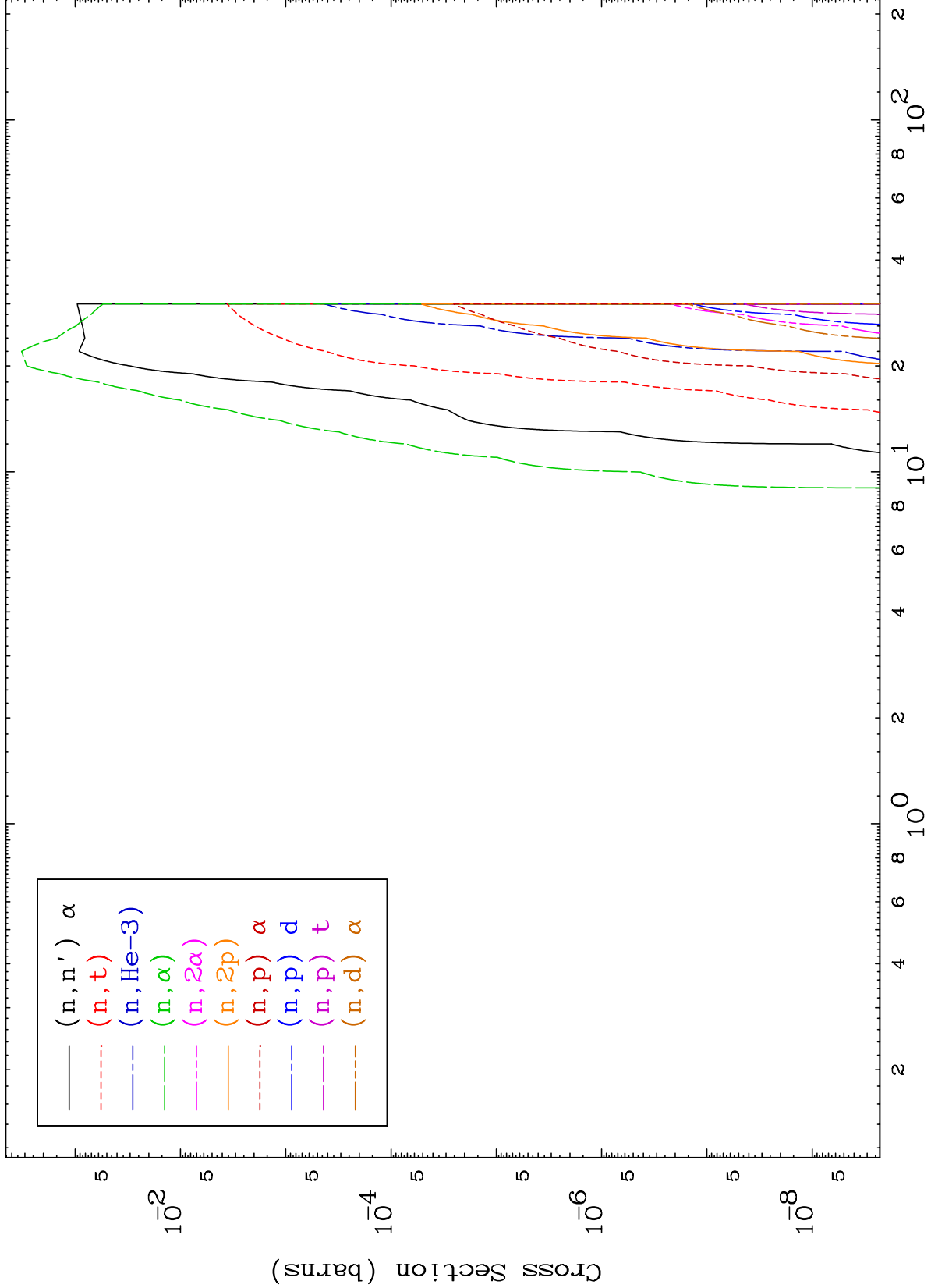




MAT 3929

α Charged Particle
0 Kelvin Cross Sections

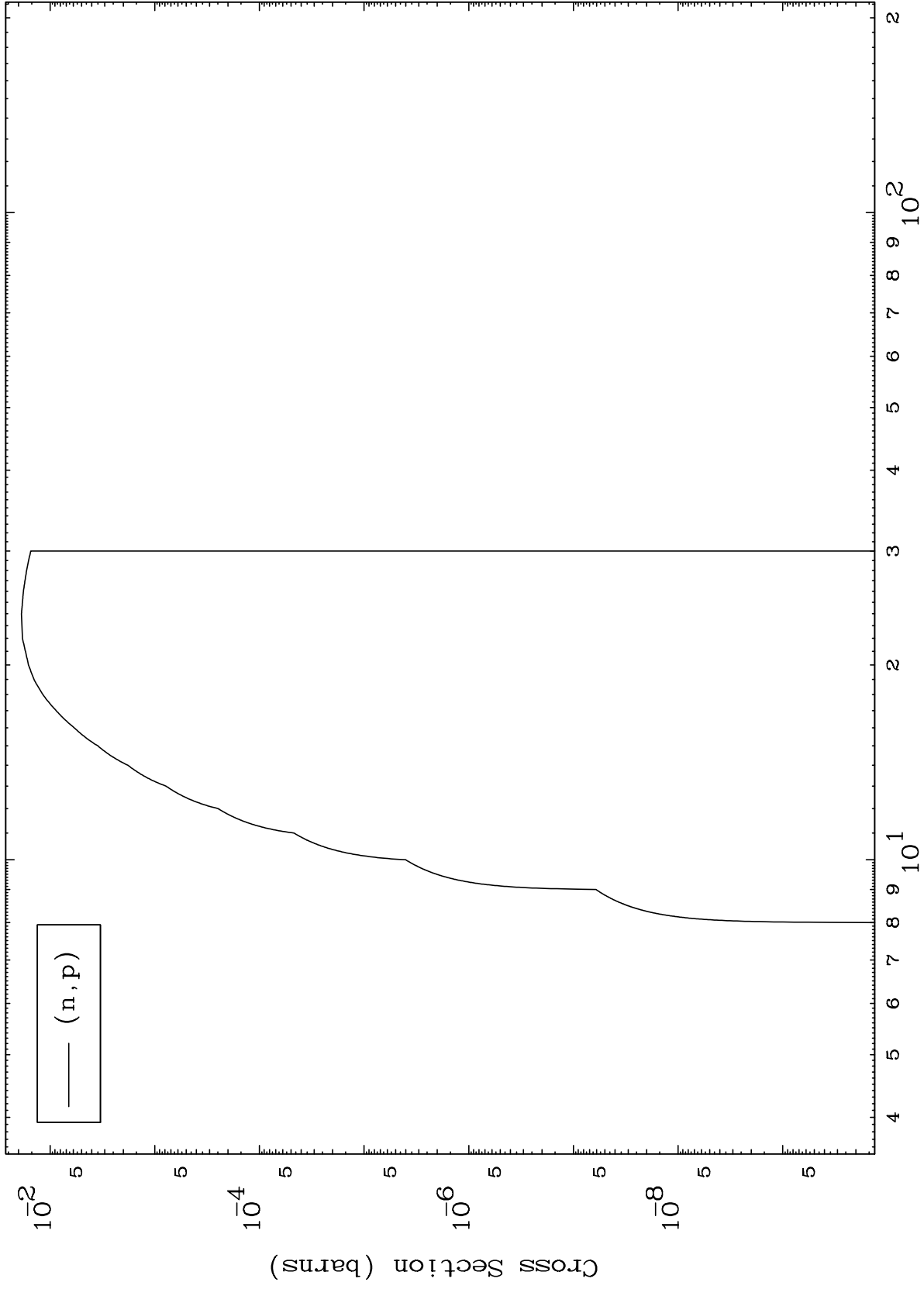
39-Y -90m



MAT 3929

(α, p) Levels
0 Kelvin Cross Sections

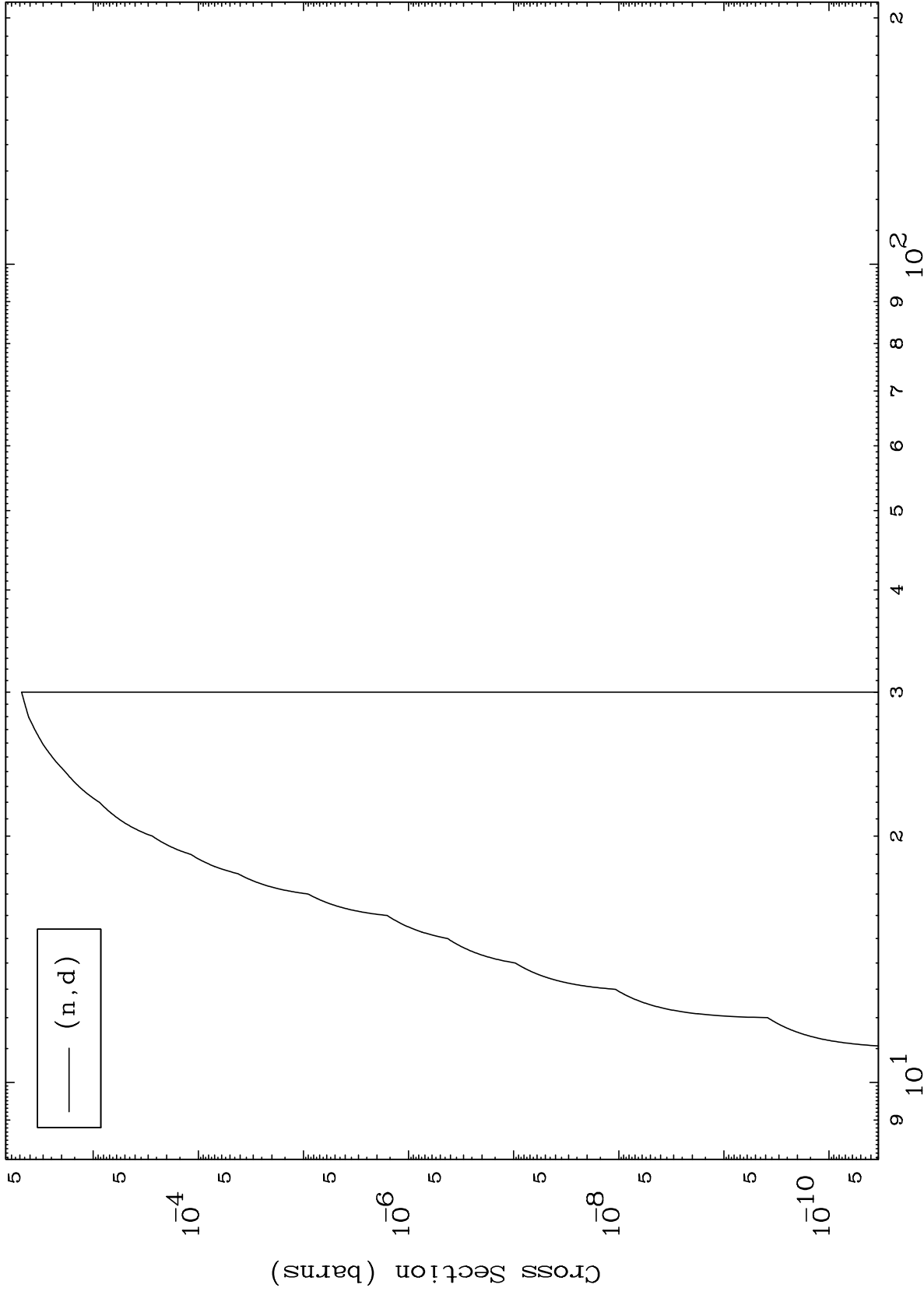
39-Y -90m



MAT 3929

(α, d) Levels
0 Kelvin Cross Sections

39-Y -90m



Incident Energy (MeV)

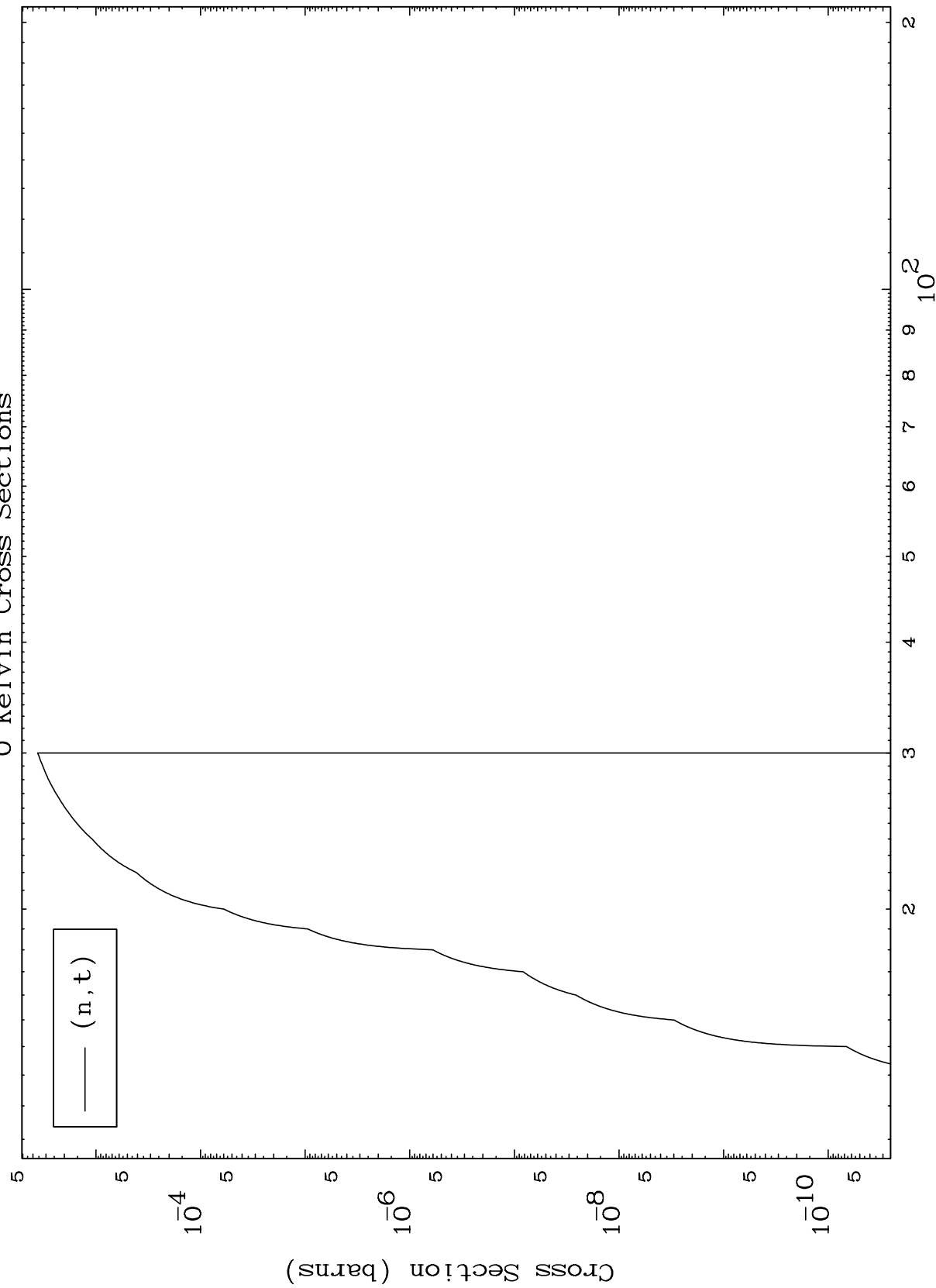
39-Y -90m

8

MAT 3929

39-Y -90m

(α, t) Levels
0 Kelvin Cross Sections



39-Y -90m

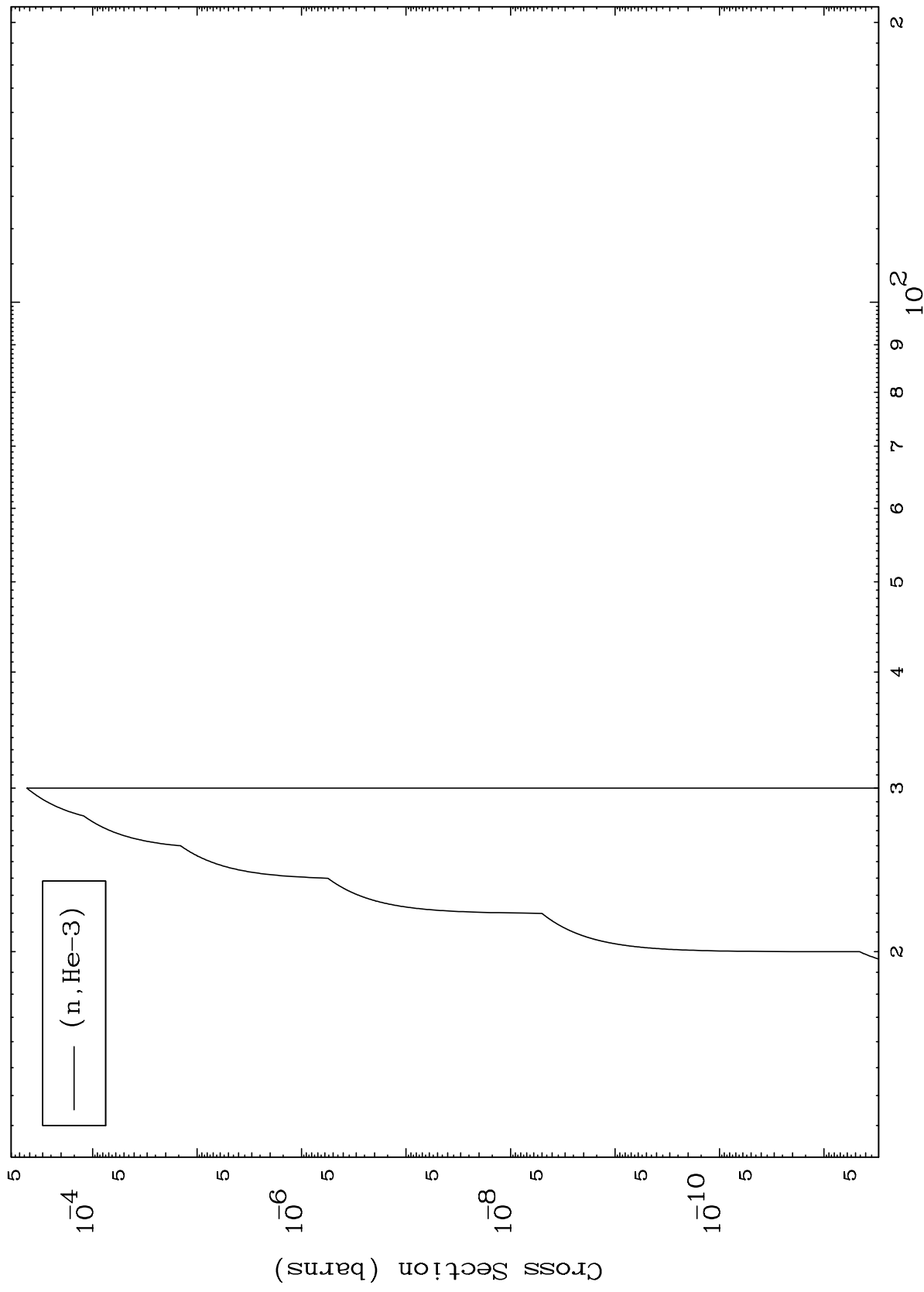
Incident Energy (MeV)

9

MAT 3929

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

39-Y -90m



10

Incident Energy (MeV)

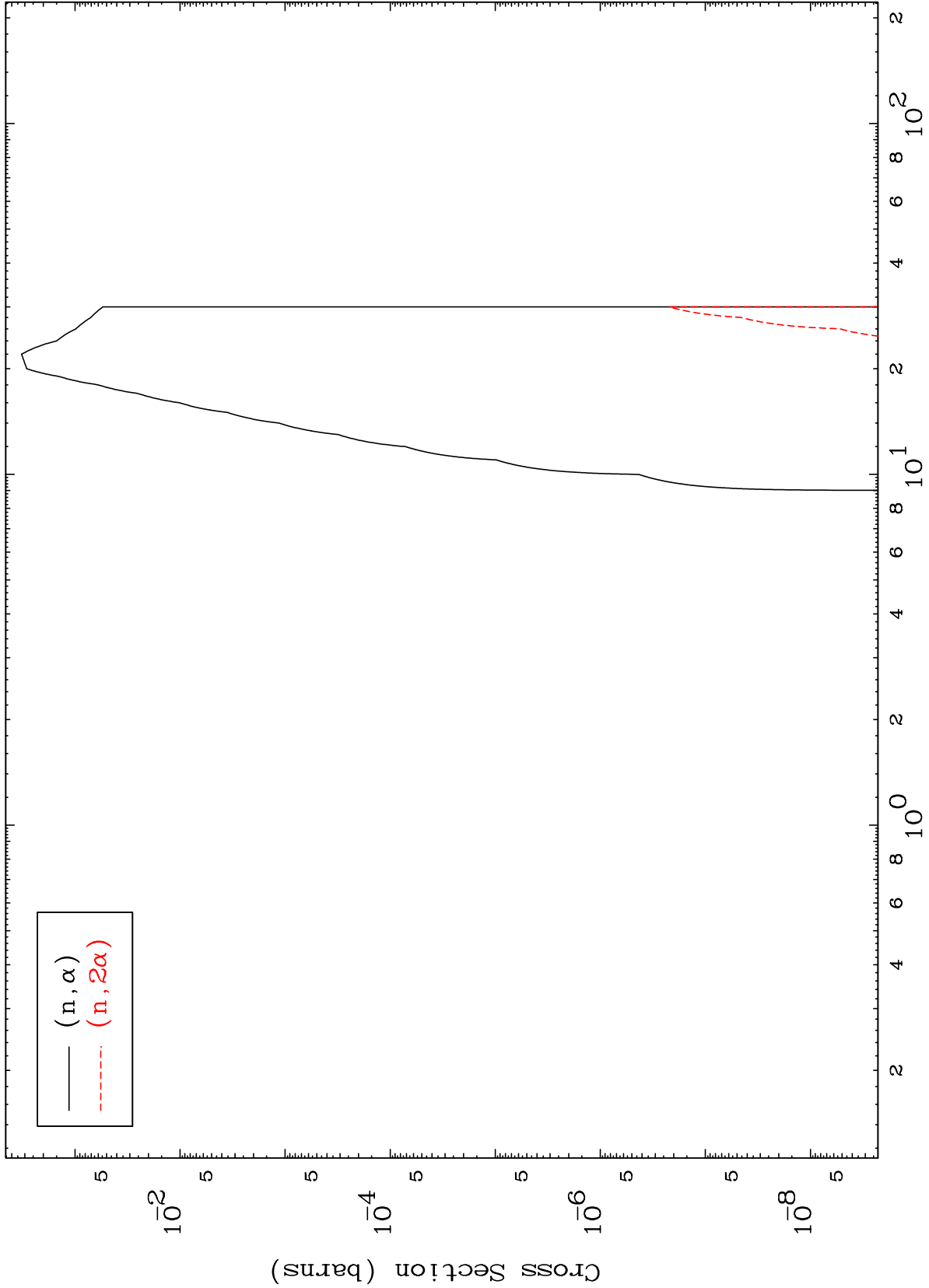
39-Y -90m

MAT 3929

(α, α) Levels

39-Y -90m

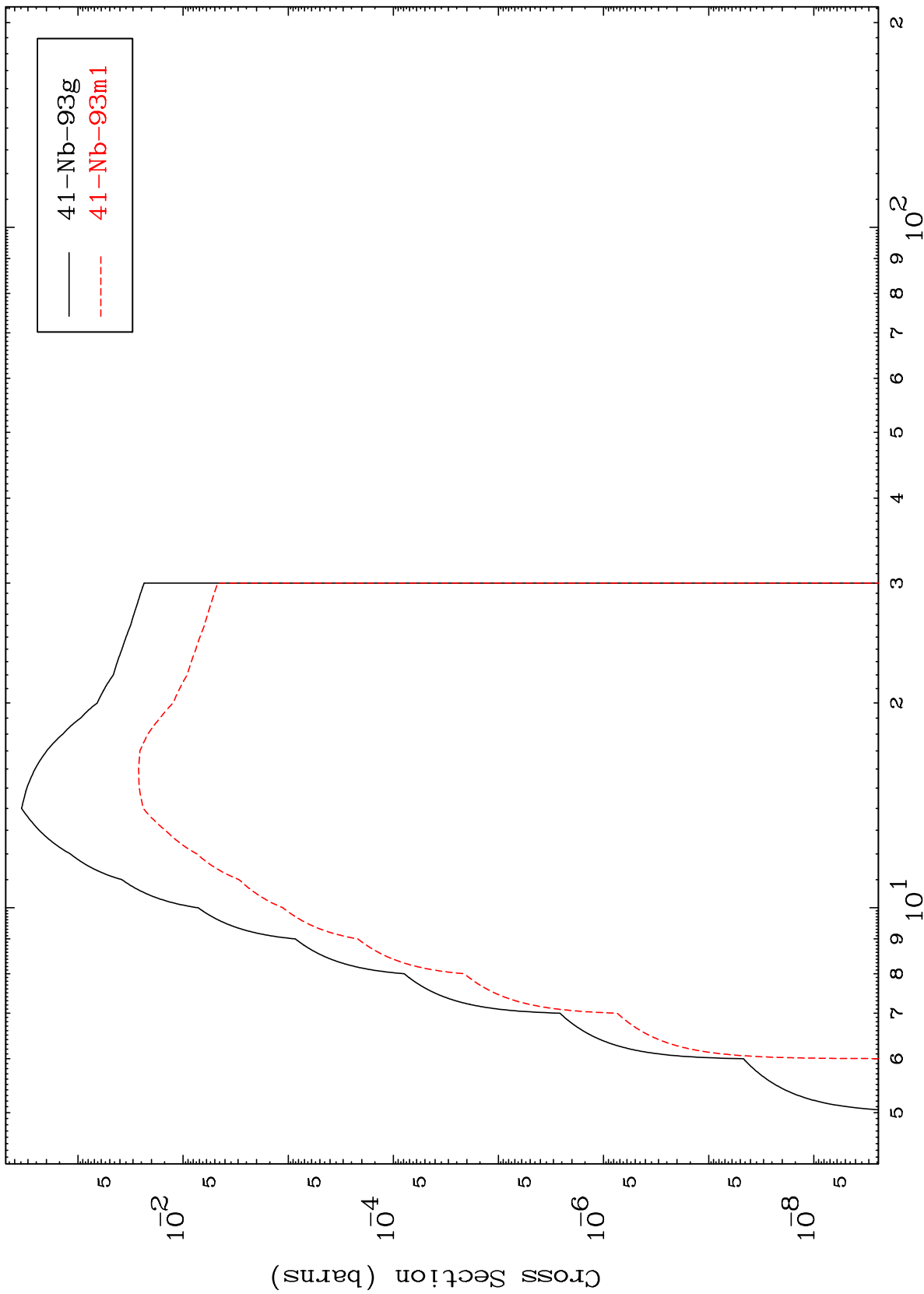
0 Kelvin Cross Sections



MAT 3929

39-Y -90m

Inelastic Radionuclide Production Cross Section



— 41-Nb-93g
- - - 41-Nb-93m1

39-Y -90m

Incident Energy (MeV)

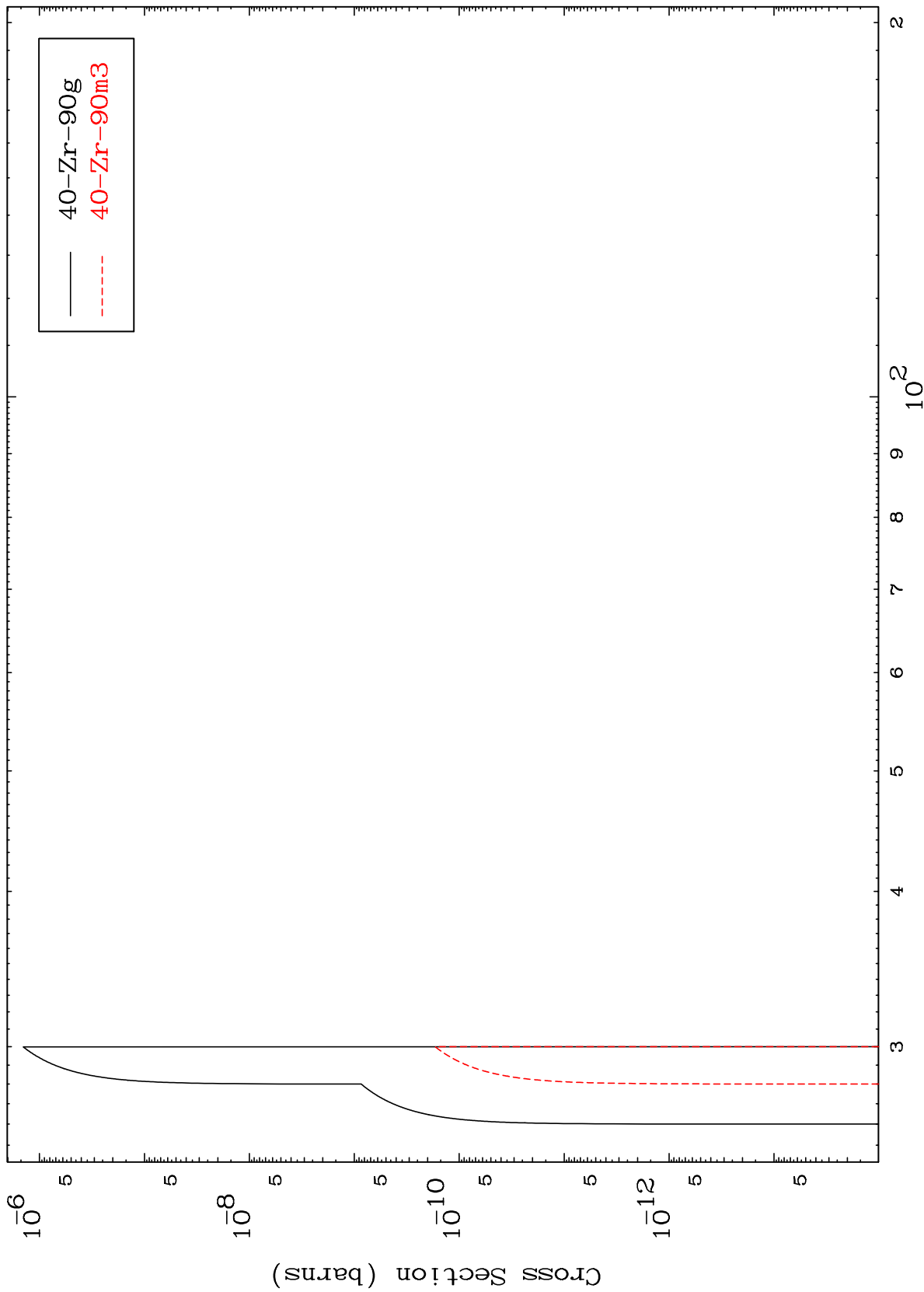
12

MAT 3929

(n,2n) d

39-Y -90m

Radionuclide Production Cross Section



13

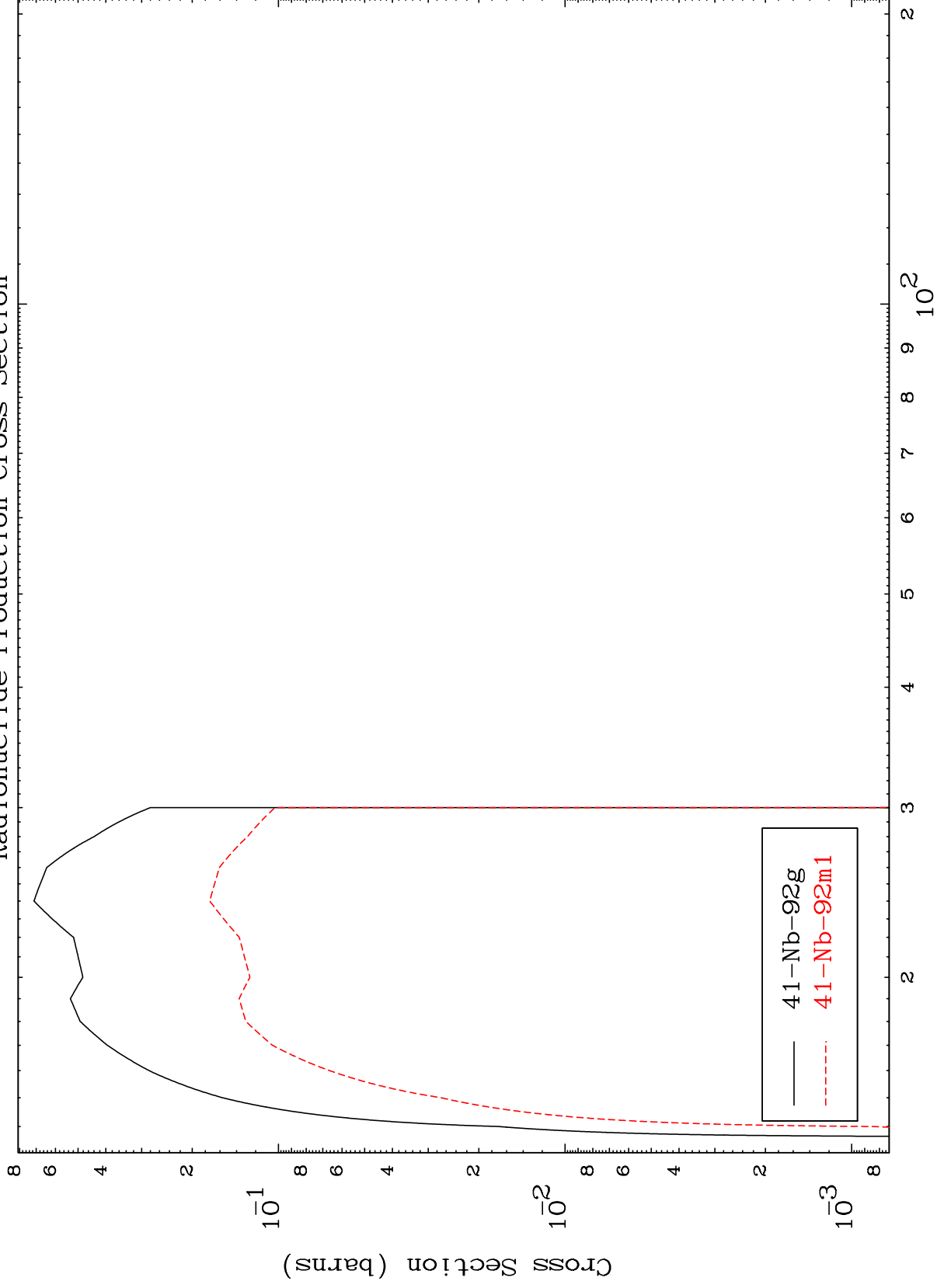
Incident Energy (MeV)

39-Y -90m

MAT 3929

39-Y -90m

Radionuclide Production Cross Section
(n,2n)



39-Y -90m

Incident Energy (MeV)

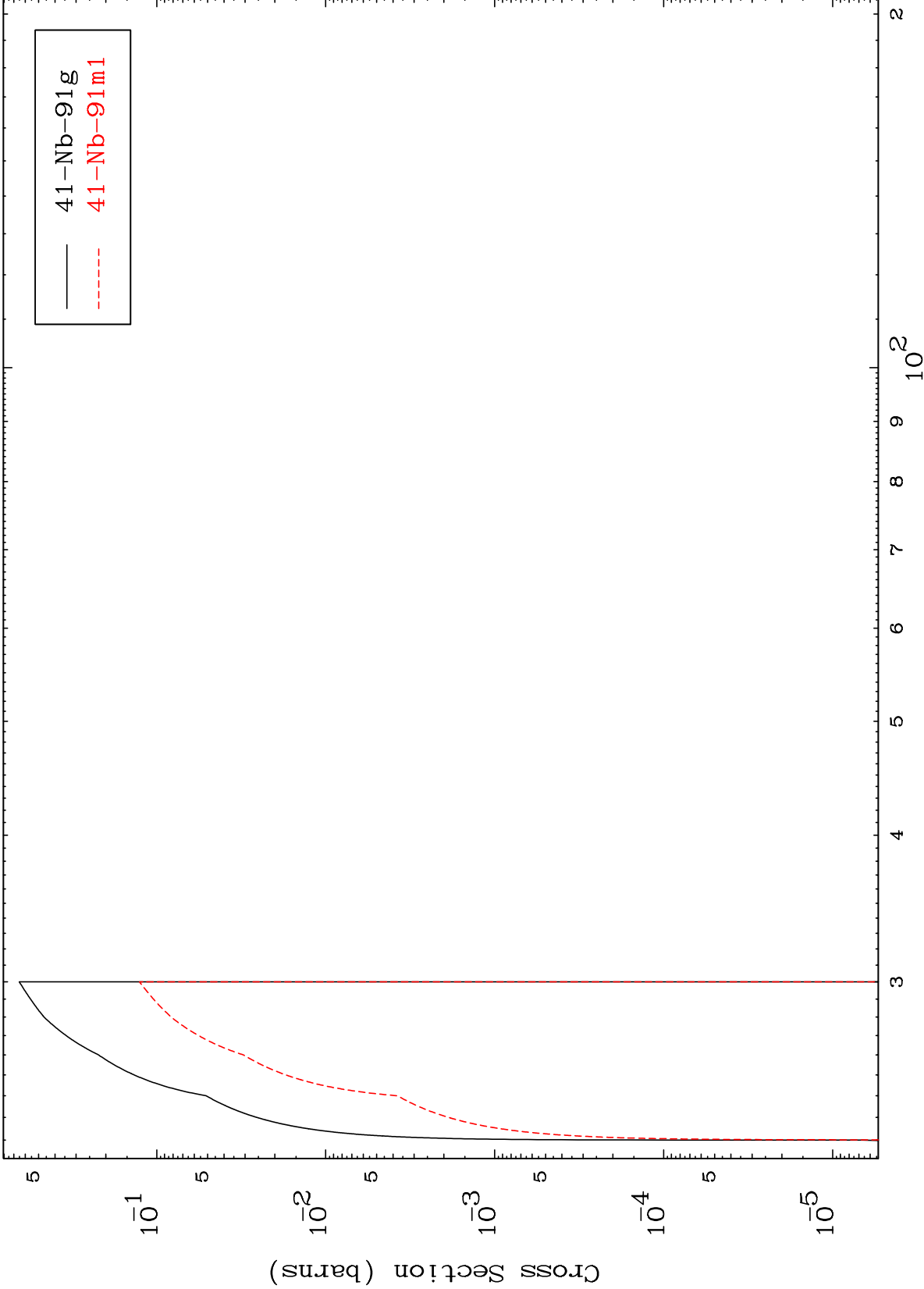
14

MAT 3929

(n,3n)

39-Y -90m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

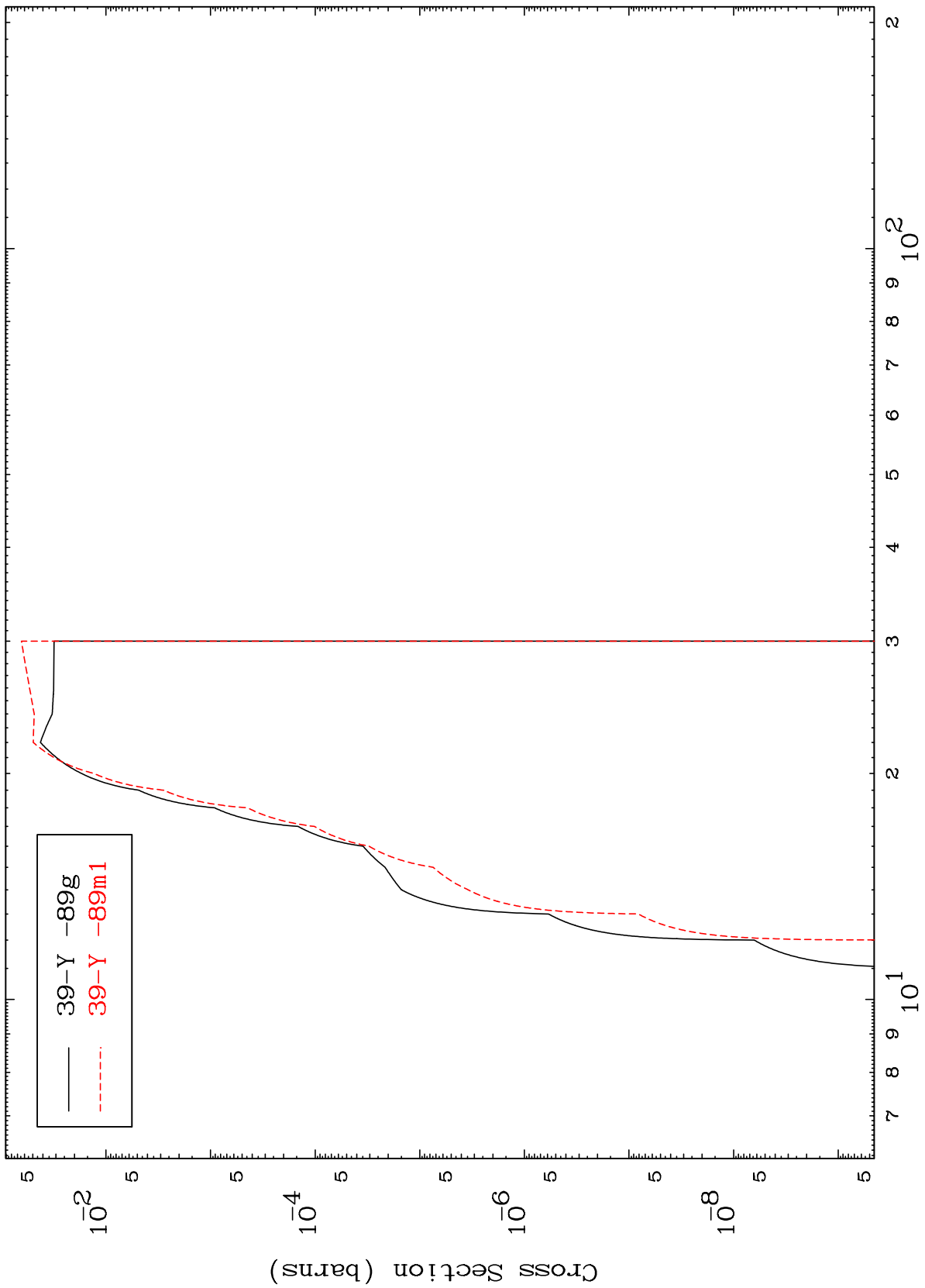
39-Y -90m

MAT 3929

39-Y -90m

(n,n') α

Radionuclide Production Cross Section



16

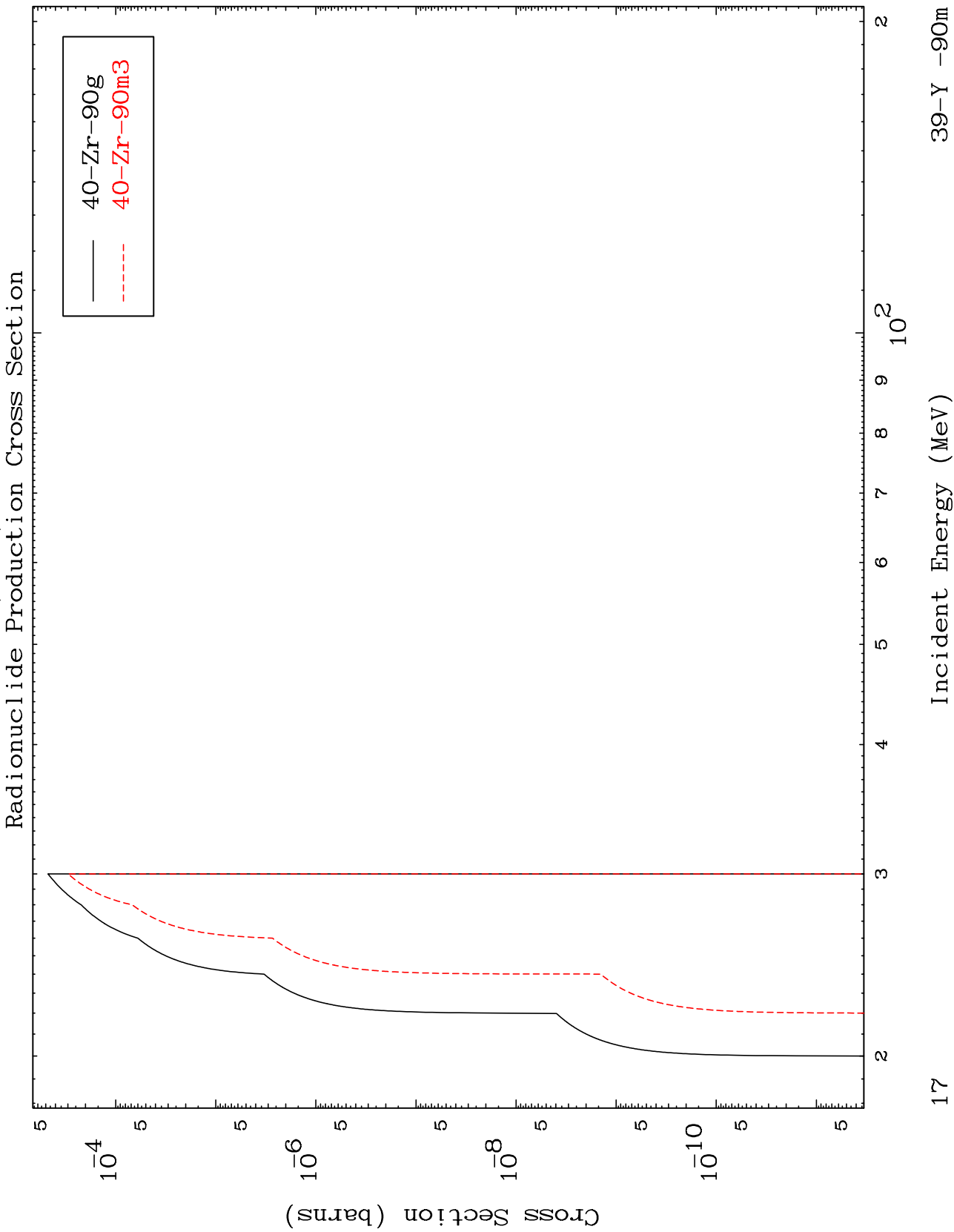
Incident Energy (MeV)

39-Y -90m

MAT 3929

(n,n') t

39-Y -90m

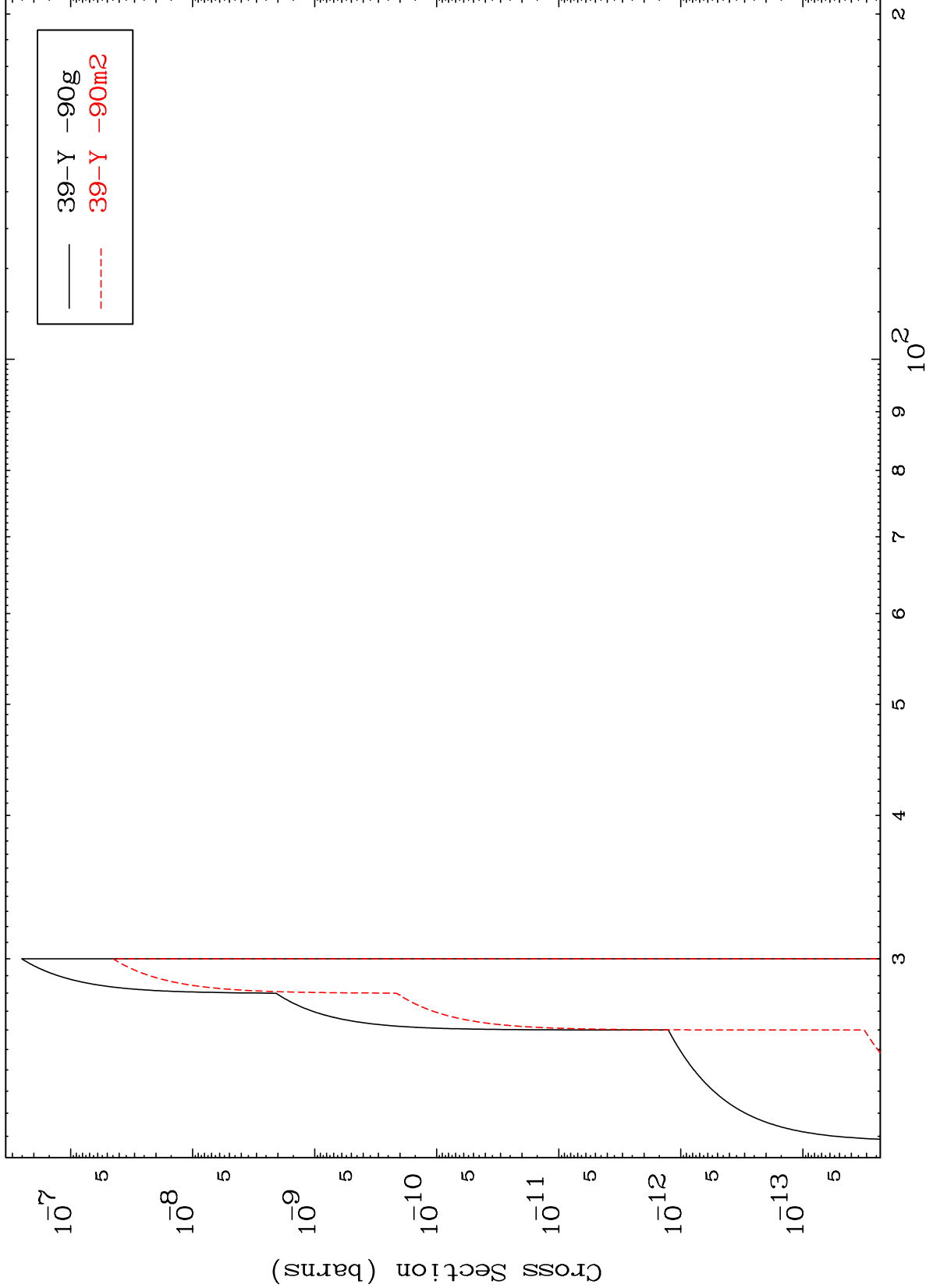


MAT 3929

(n,n') He-3

39-Y -90m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

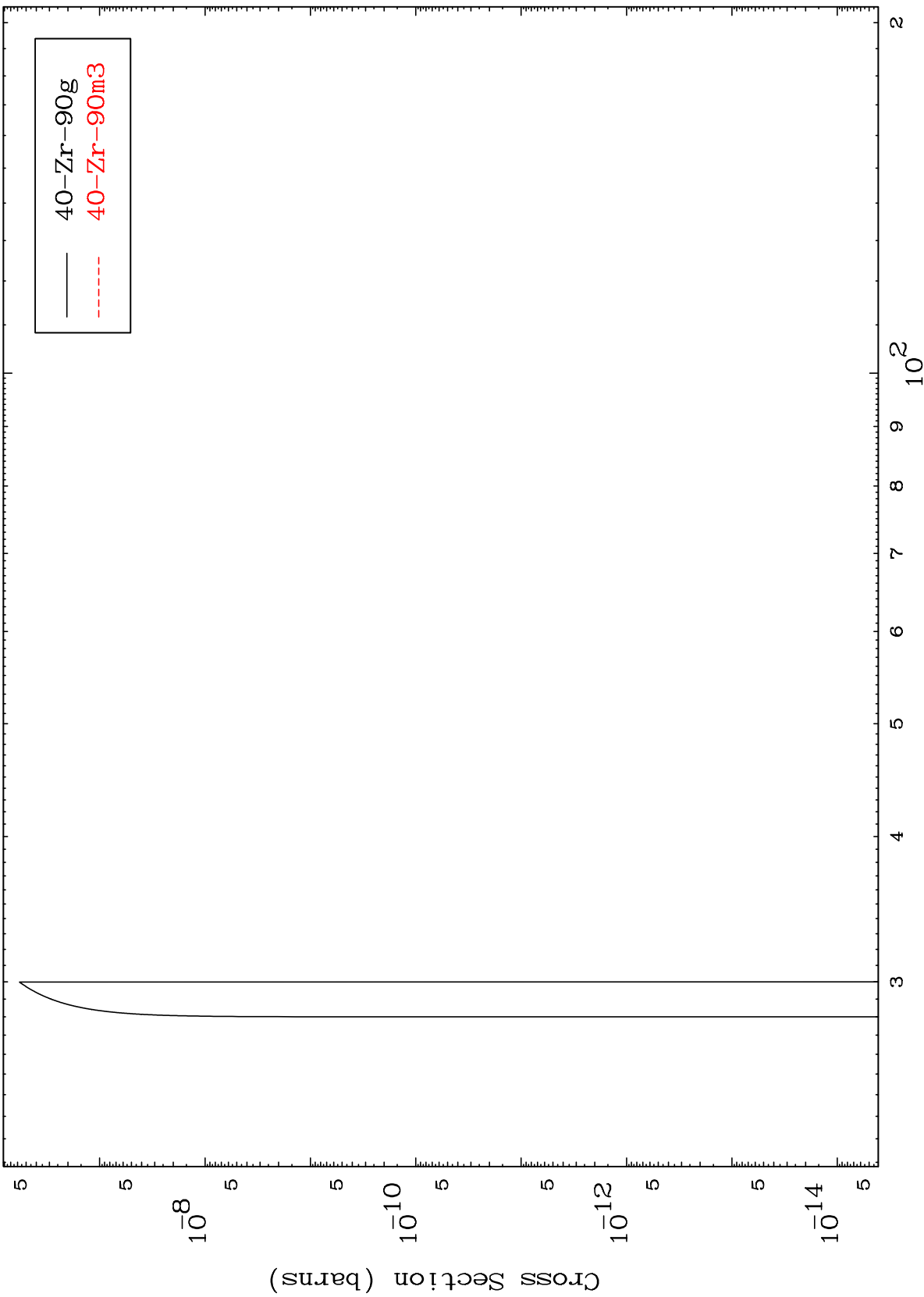
39-Y -90m

MAT 3929

(n,3n) p

39-Y -90m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

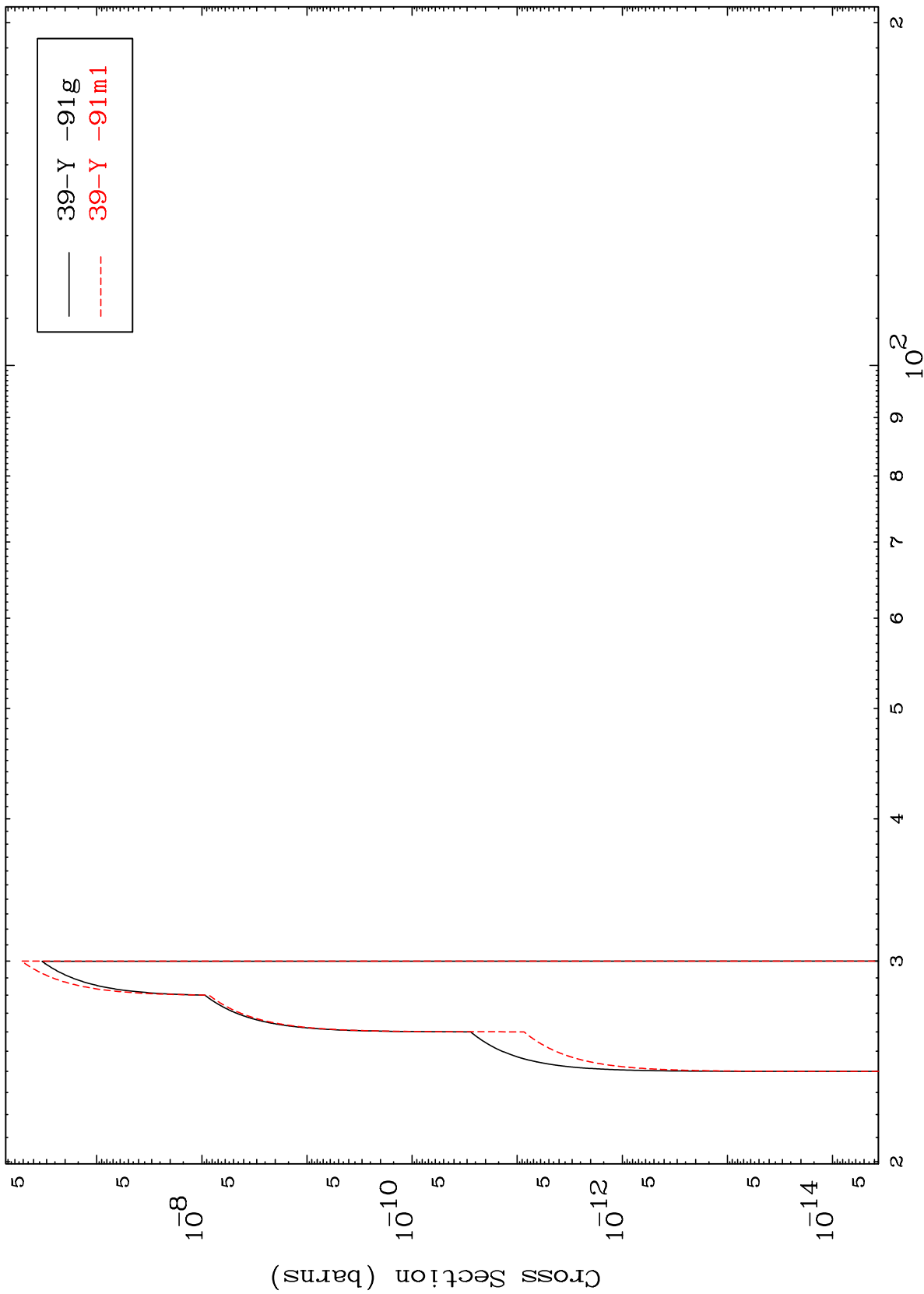
39-Y -90m

MAT 3929

(n,2n) p

39-Y -90m

Radionuclide Production Cross Section



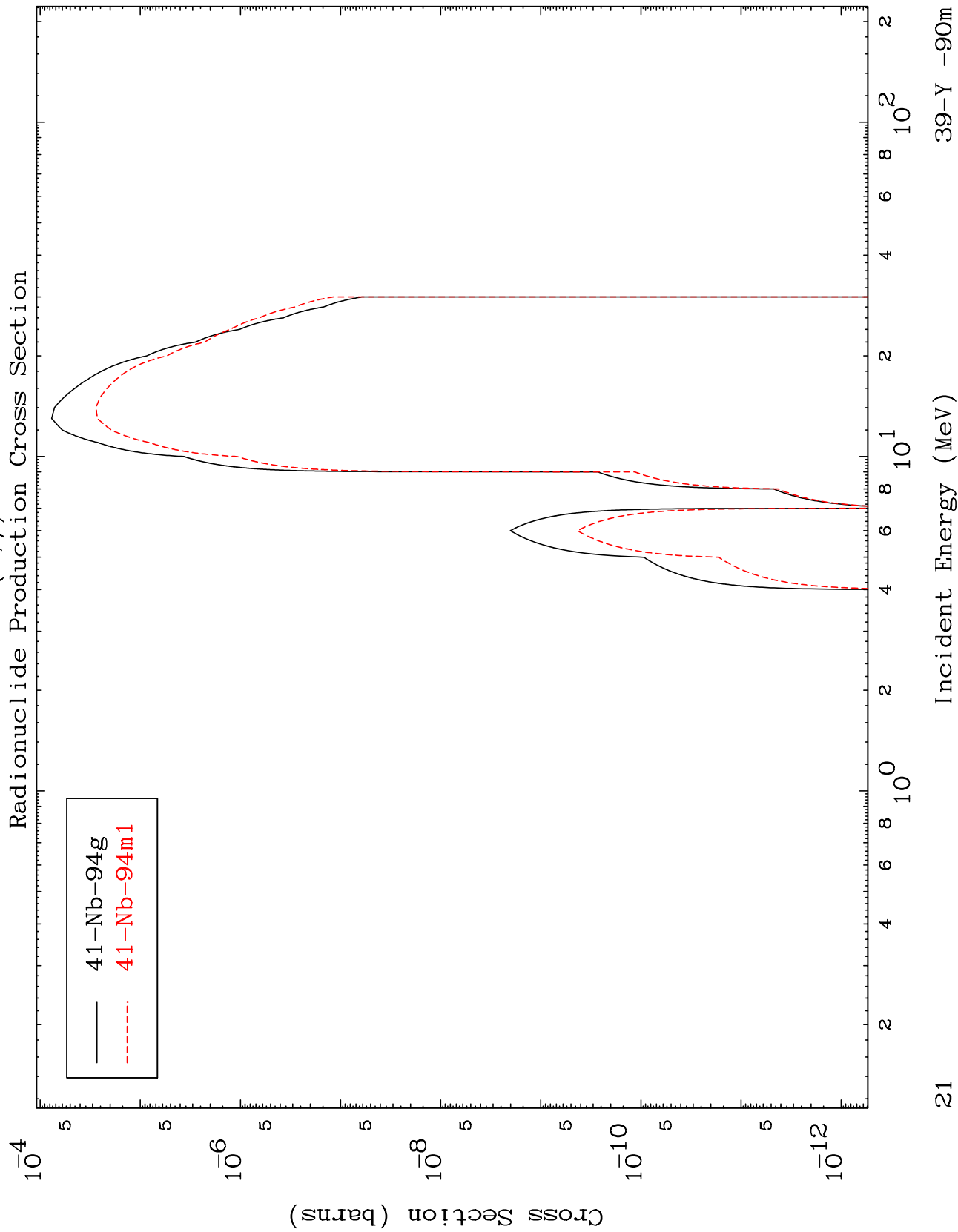
20

Incident Energy (MeV)

39-Y -90m

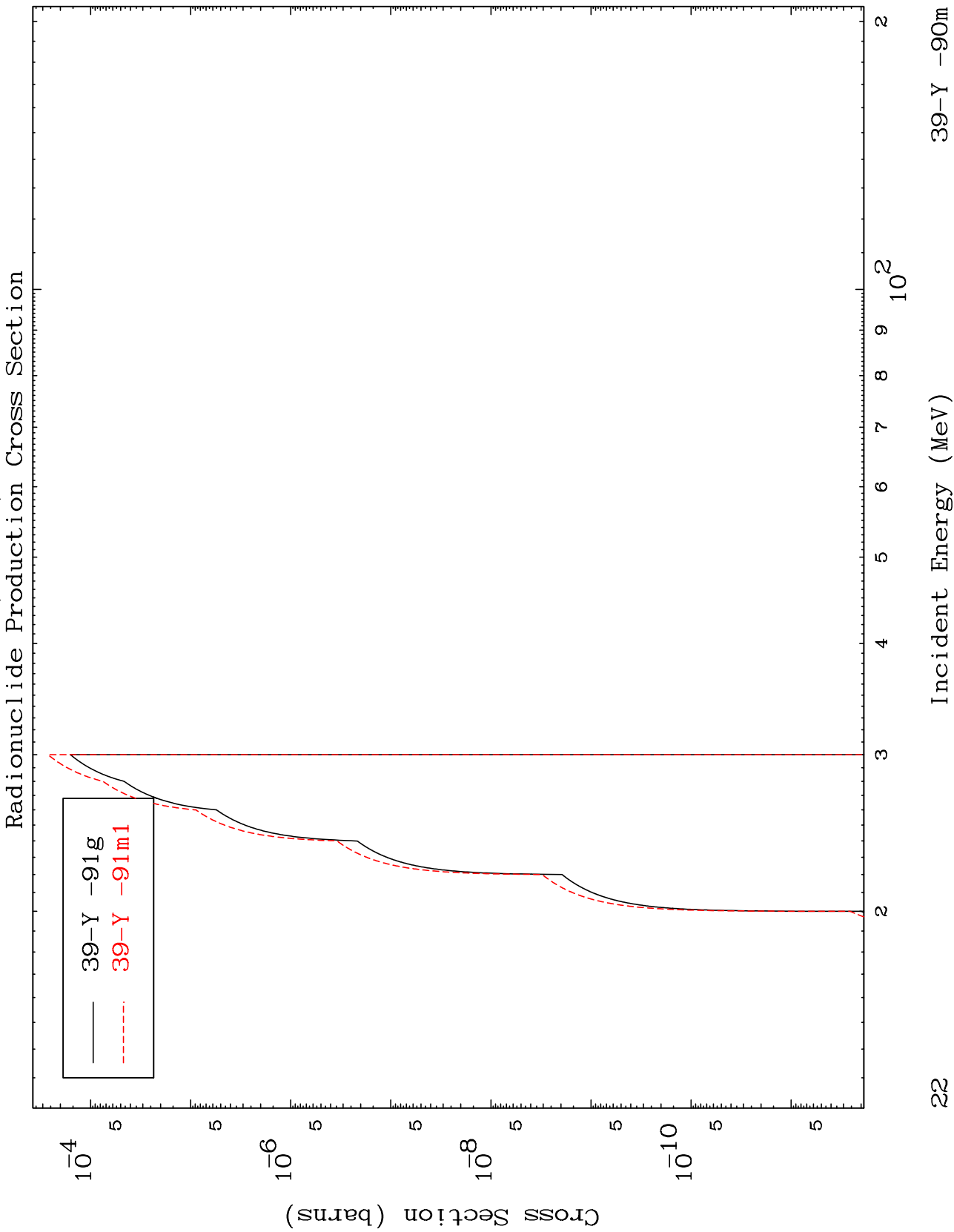
MAT 3929

39-Y -90m



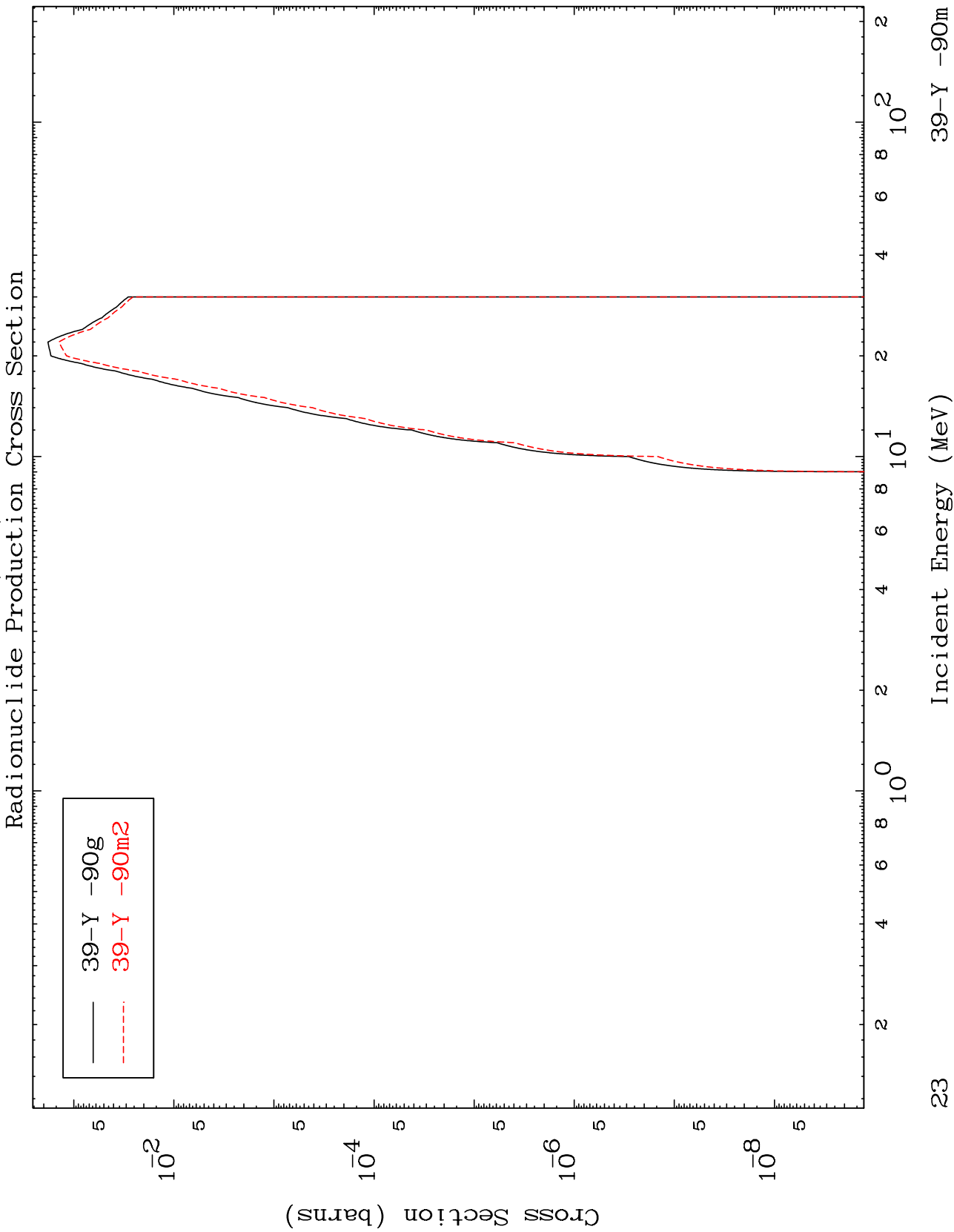
MAT 3929

39-Y -90m



MAT 3929

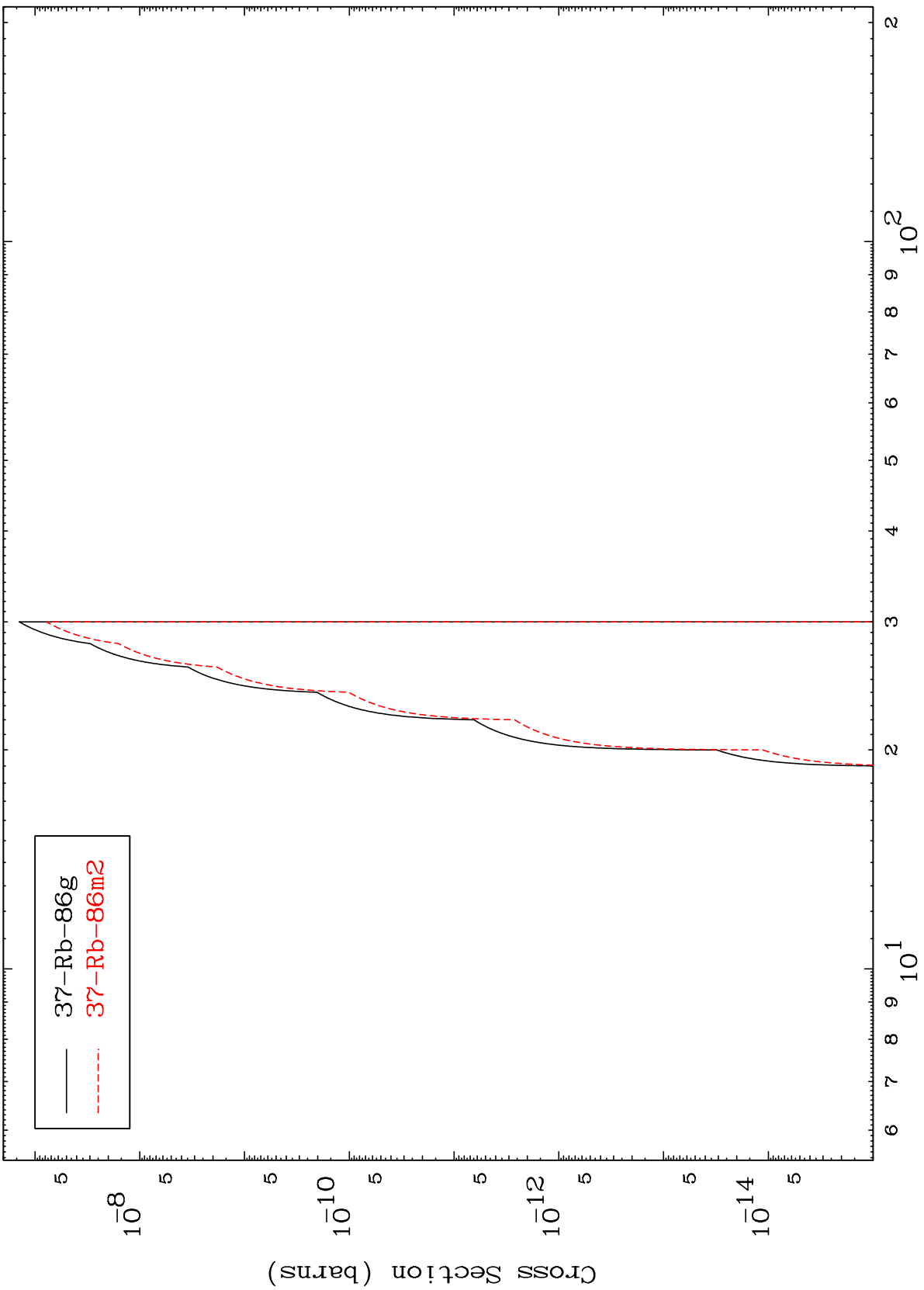
39-Y -90m



MAT 3929

39-Y -90m

Radionuclide Production Cross Section (n,2α)



24

Incident Energy (MeV)

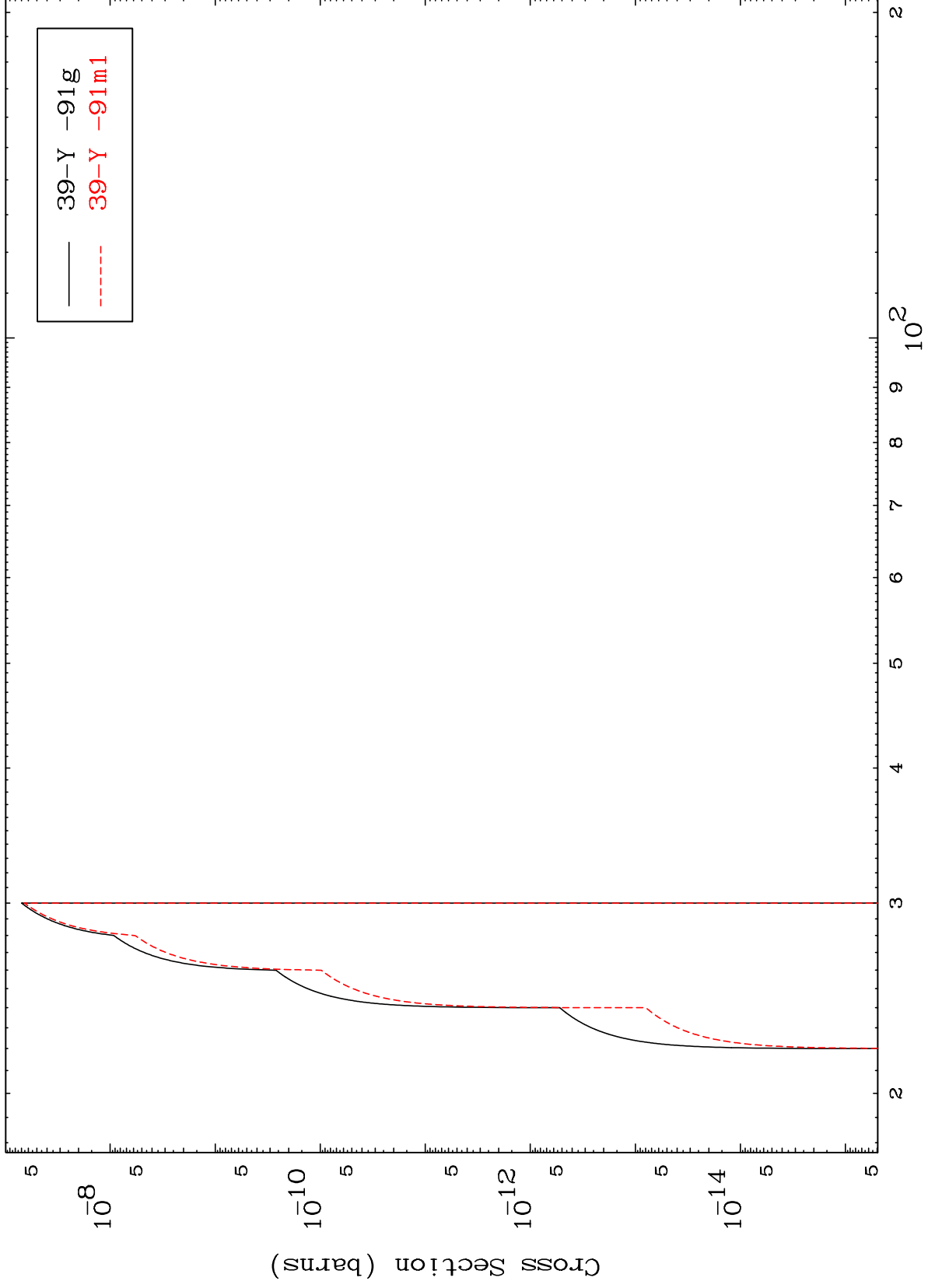
39-Y -90m

MAT 3929

(n,p) d

39-Y -90m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

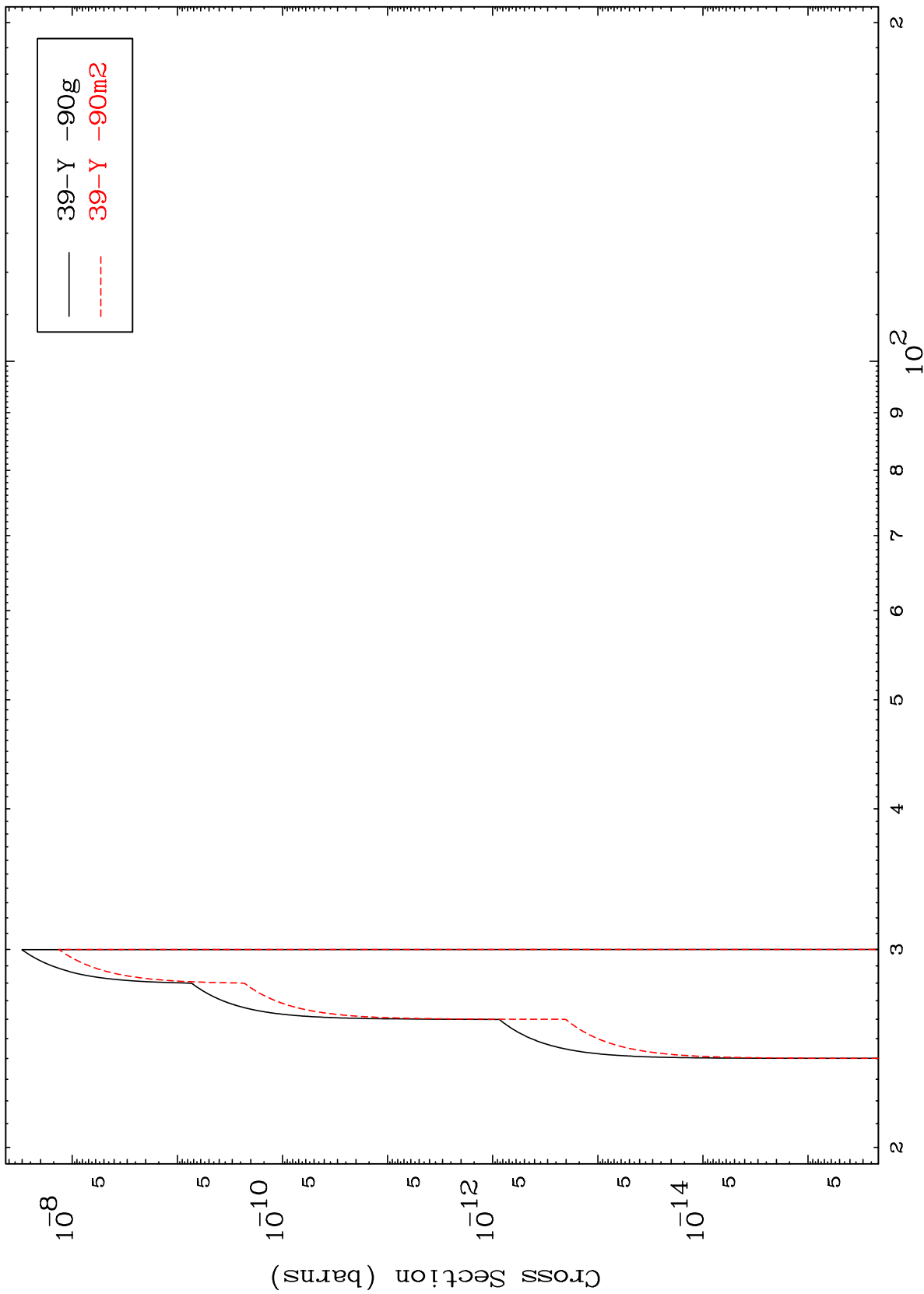
39-Y -90m

MAT 3929

(n,p) t

39-Y -90m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

39-Y -90m