

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

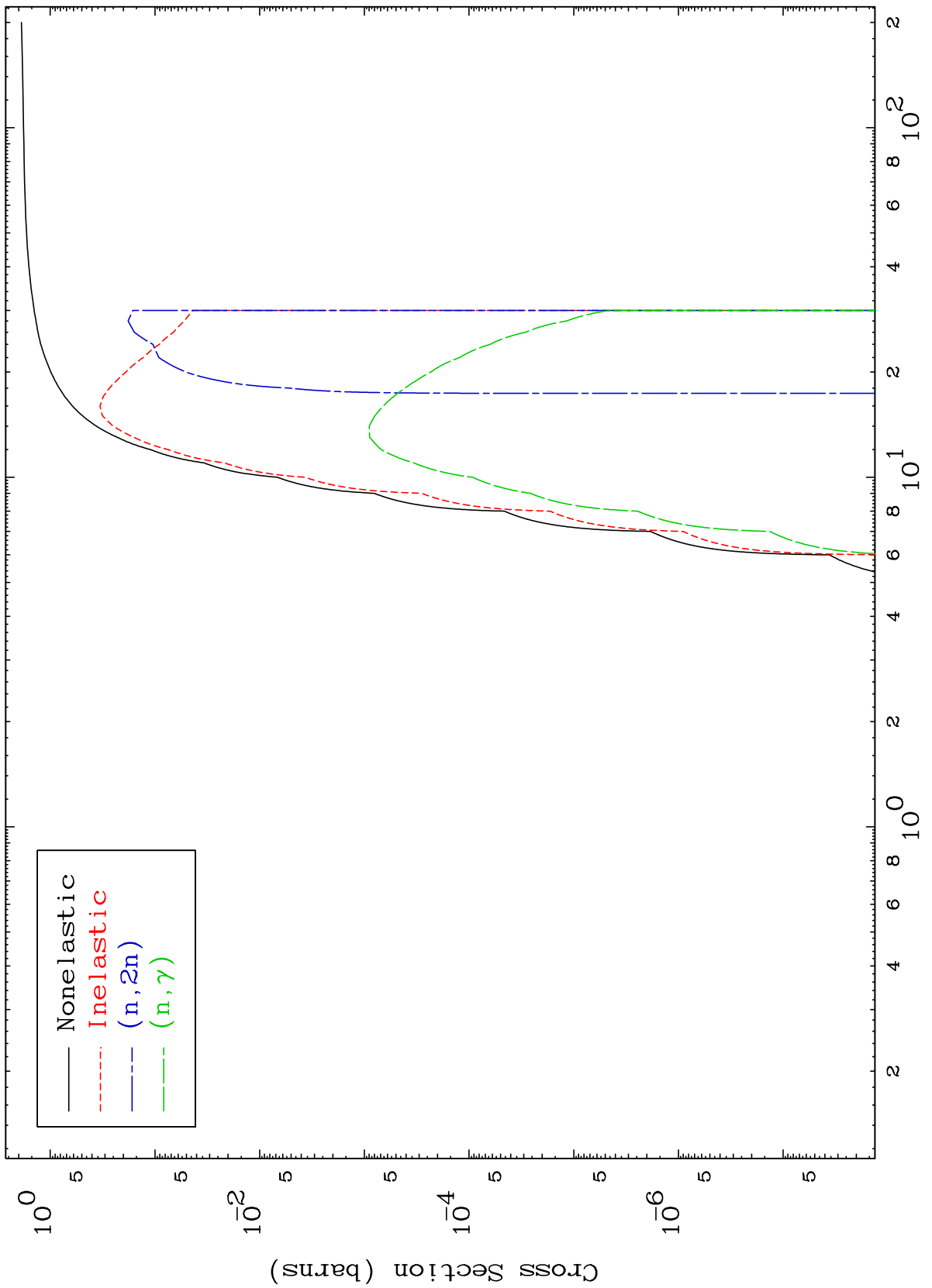
Press Mouse Button to Start

MAT 3917

α Major

39-Y -86m

0 Kelvin Cross Sections

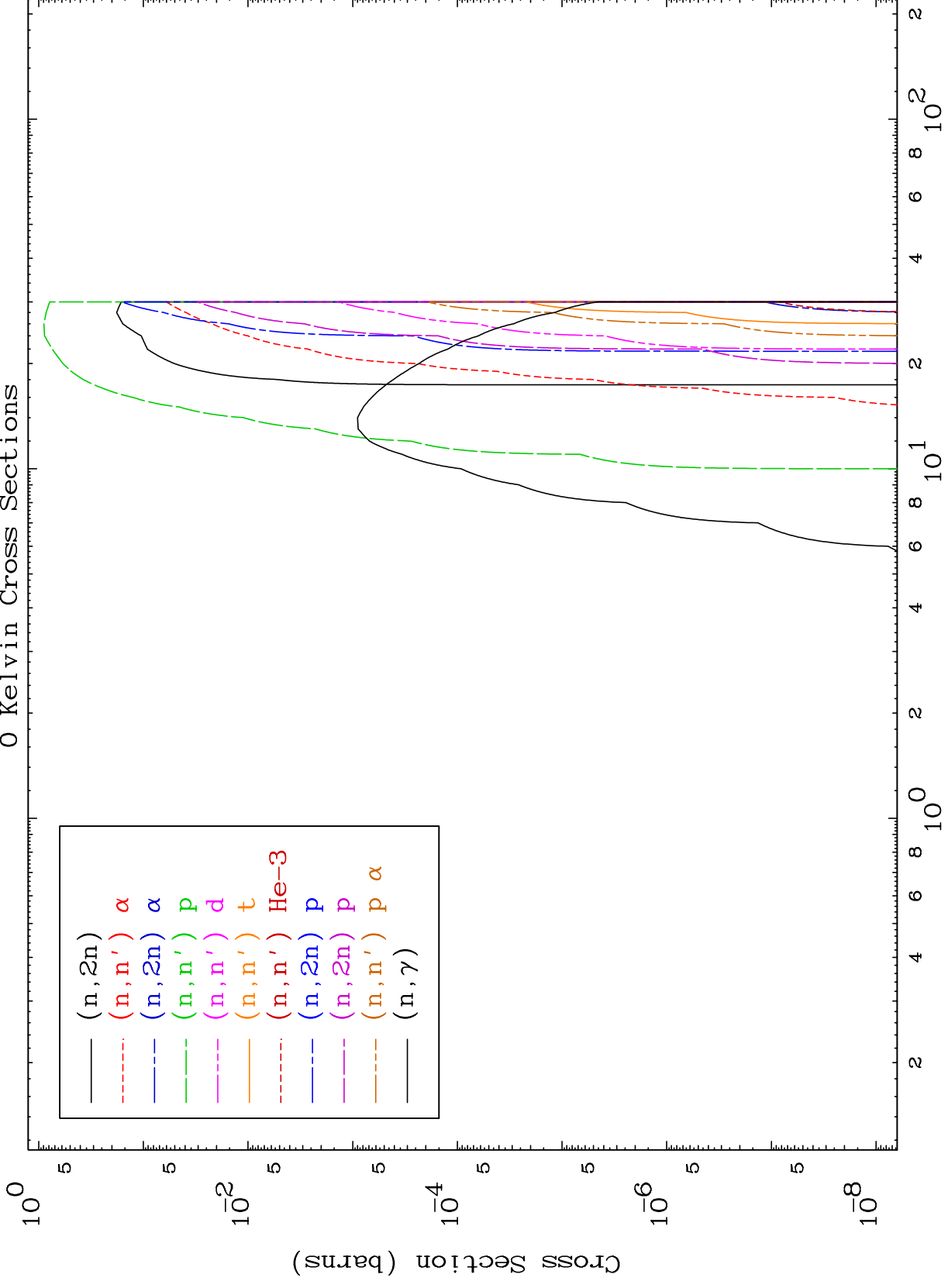


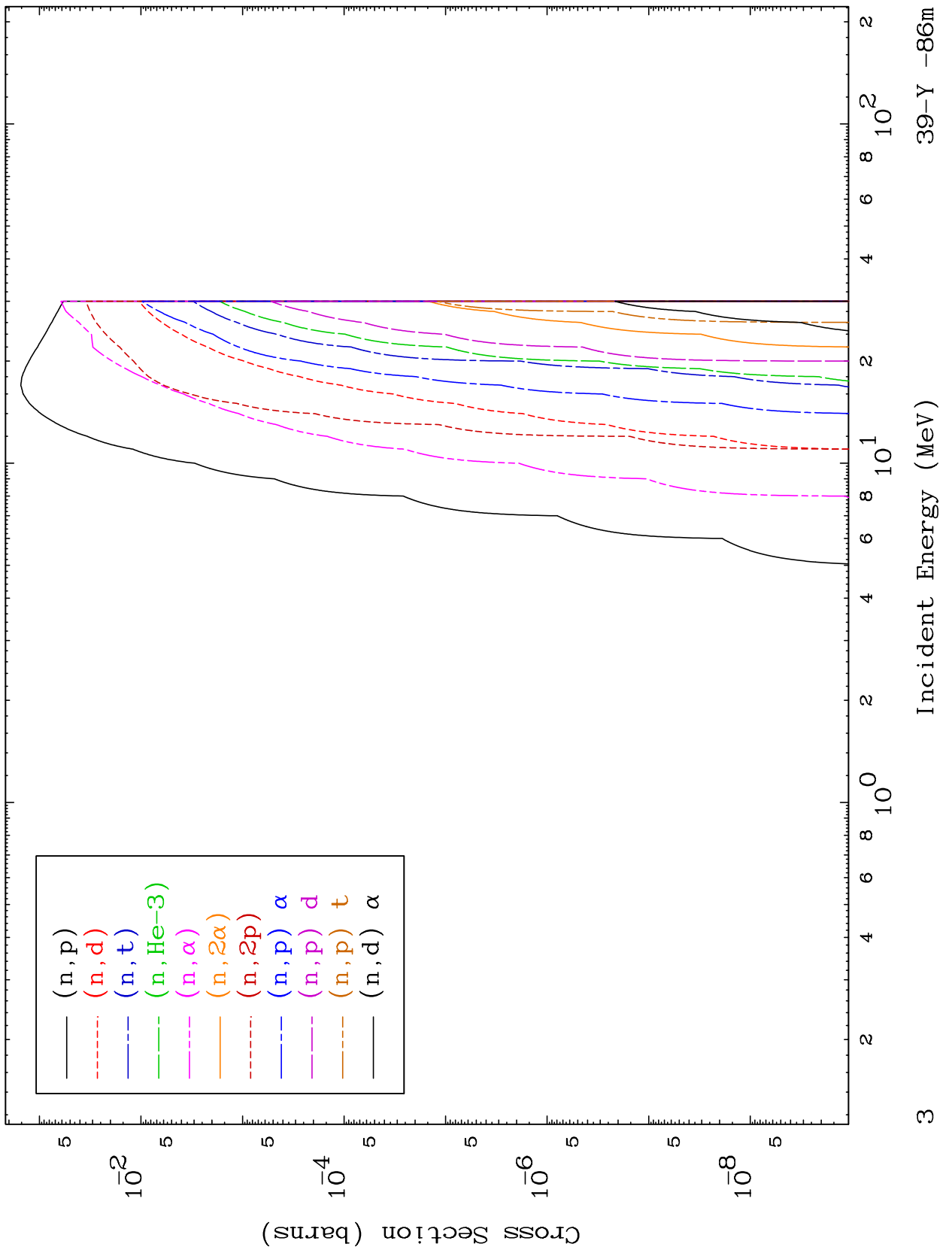
Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

MAT 3917

α Neutron Absorption
0 Kelvin Cross Sections

39-Y -86m

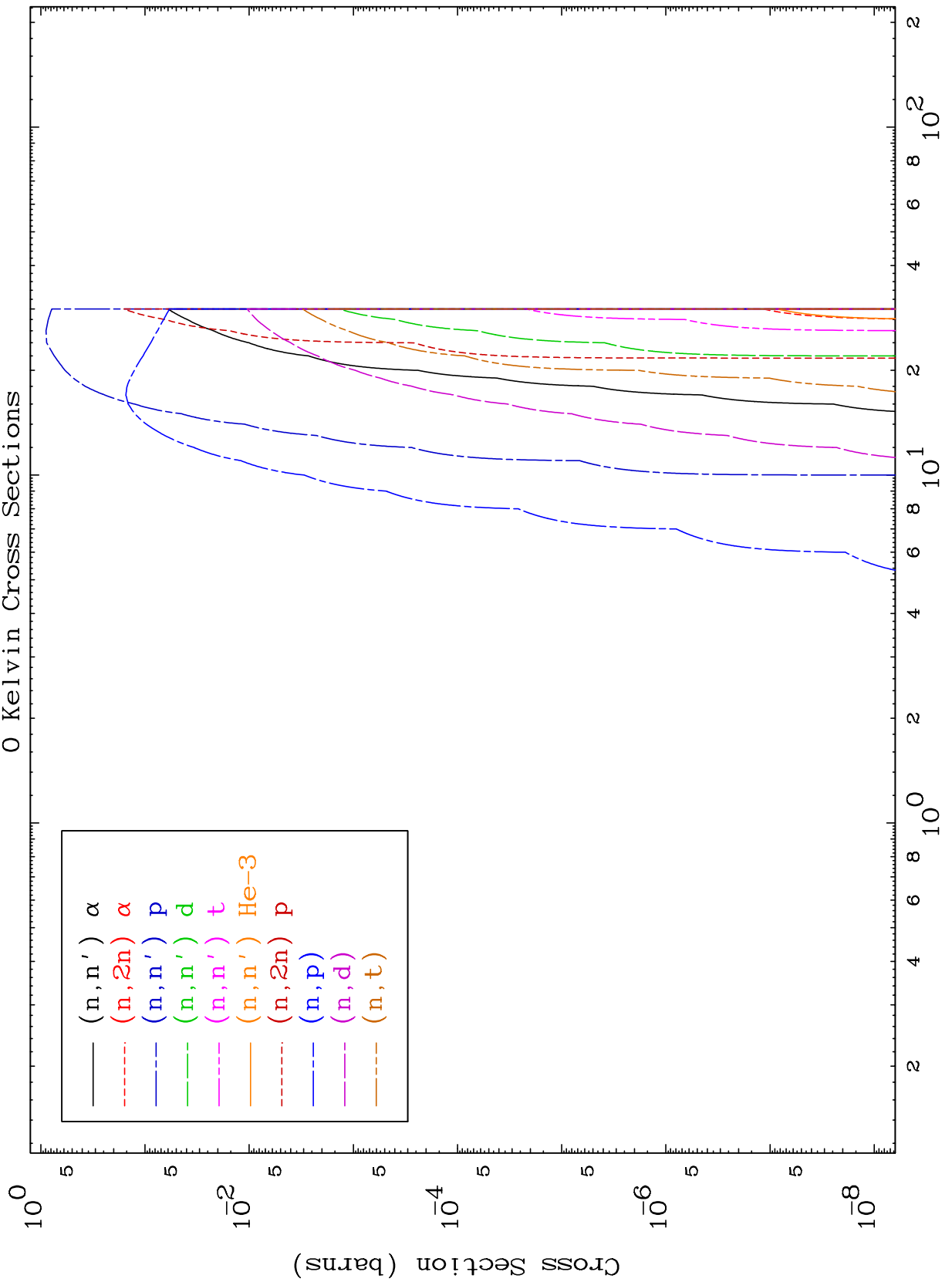




MAT 3917

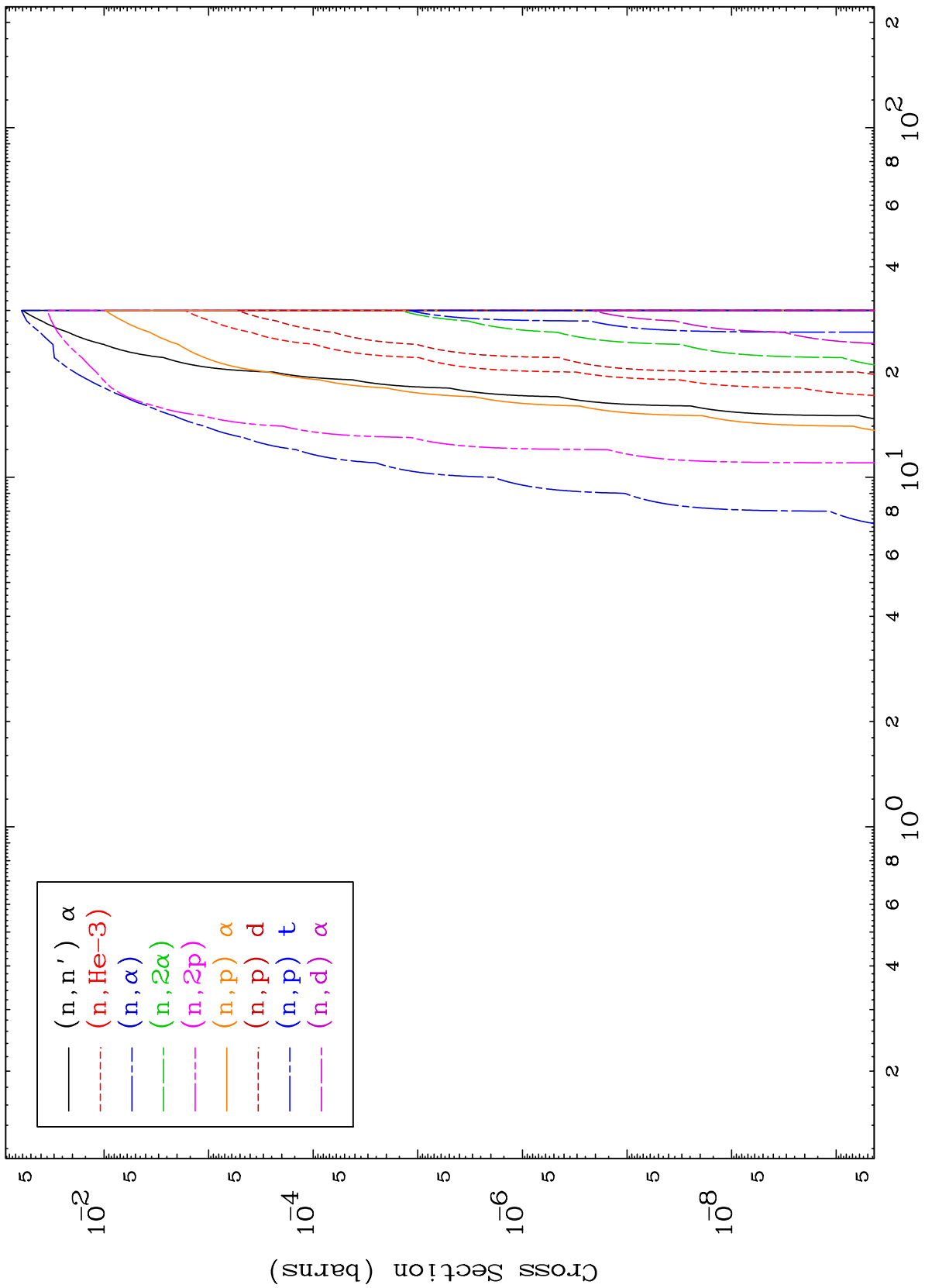
α Charged Particle
0 Kelvin Cross Sections

39-Y -86m



Incident Energy (MeV)

39-Y -86m

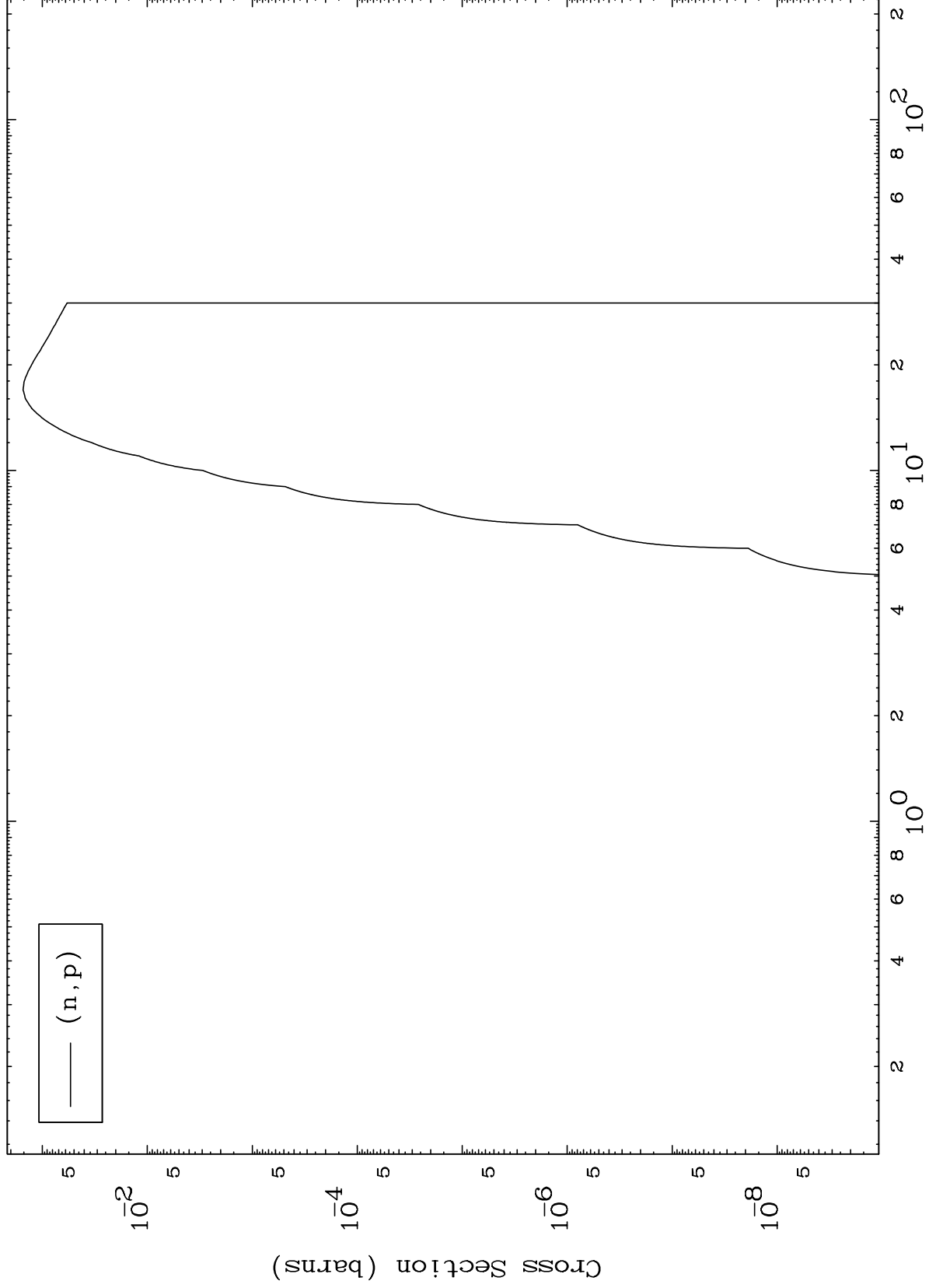


MAT 3917

(α, p) Levels

39-Y -86m

0 Kelvin Cross Sections



6

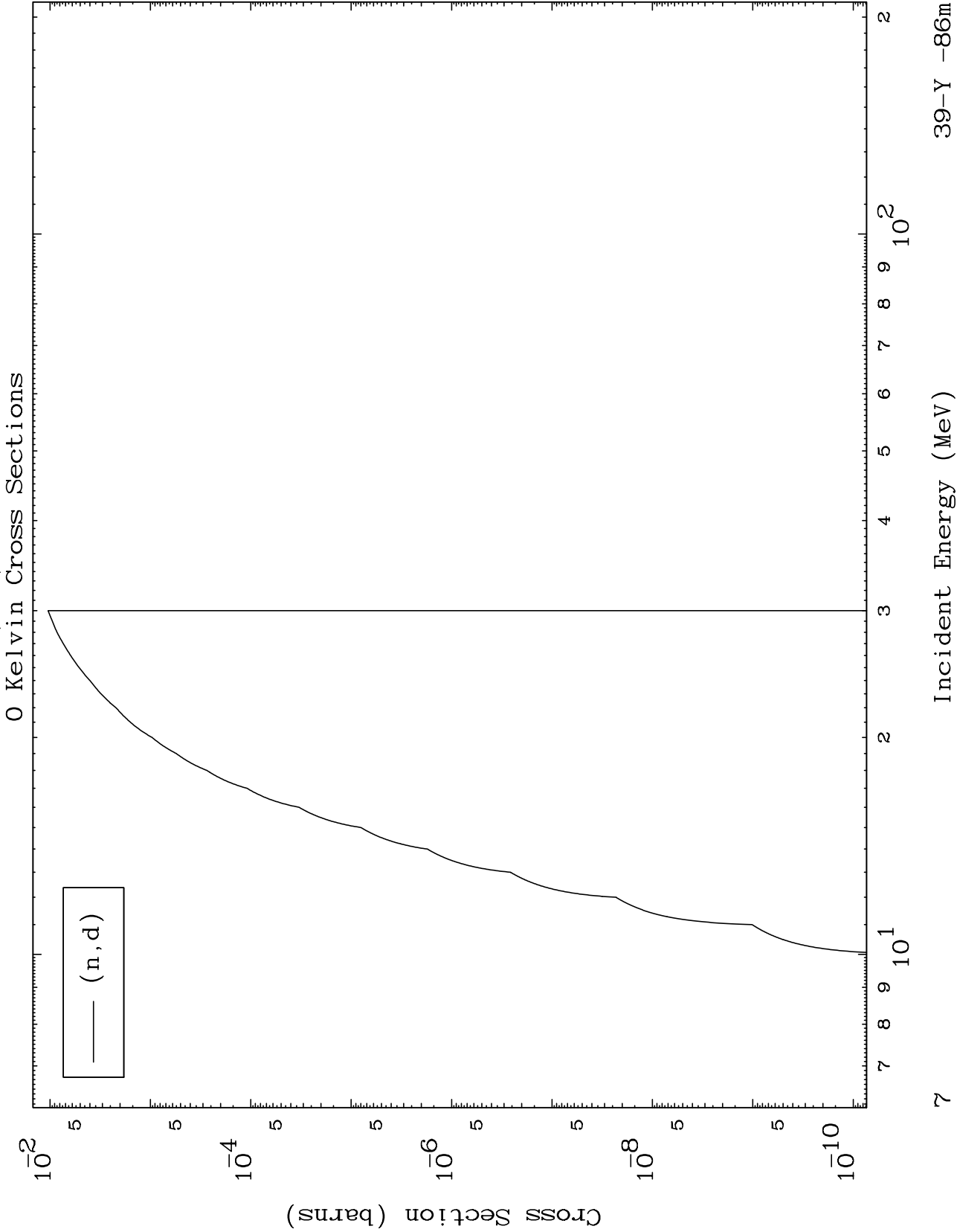
Incident Energy (MeV)

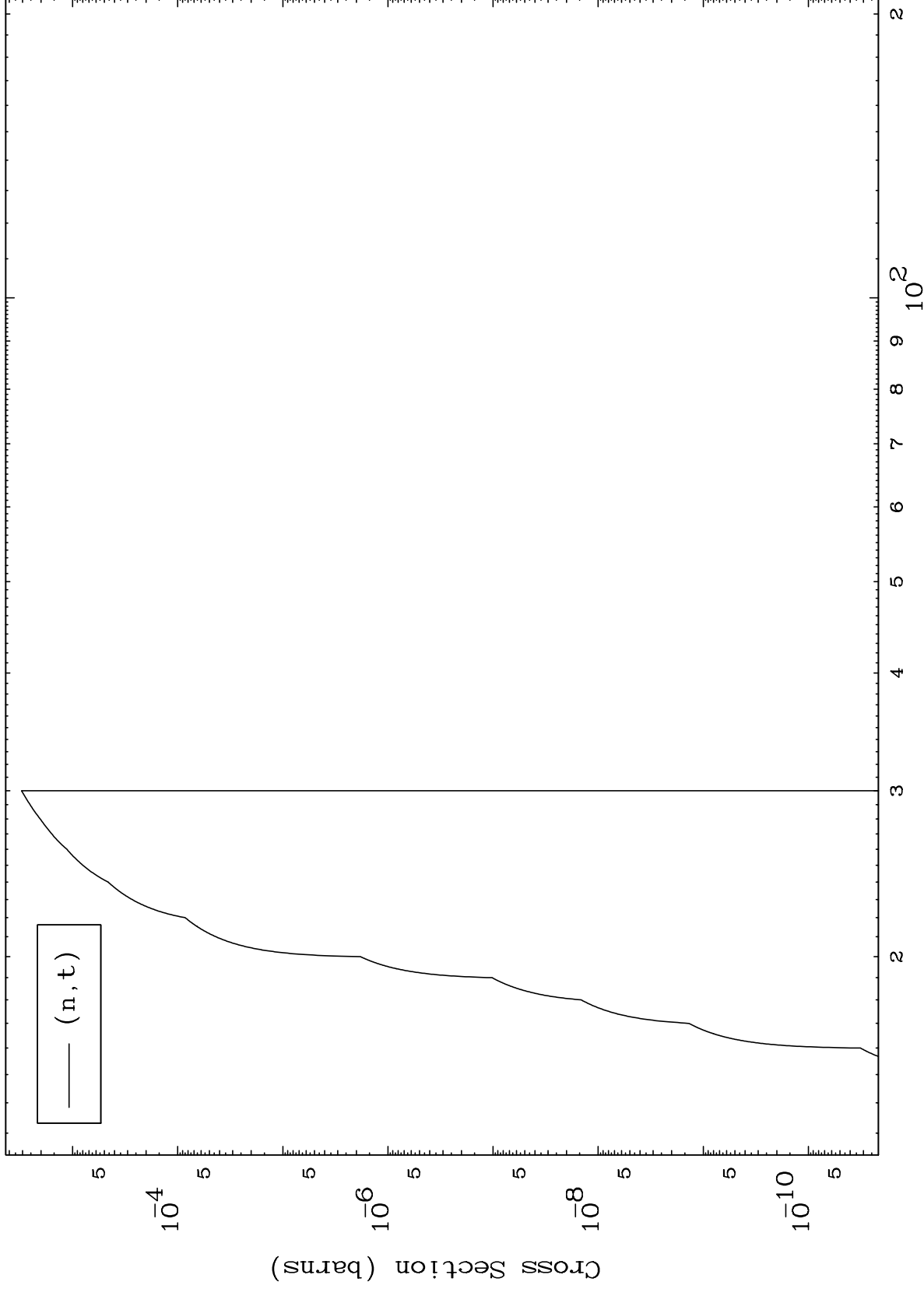
39-Y -86m

MAT 3917

(α, d) Levels

39-Y -86m



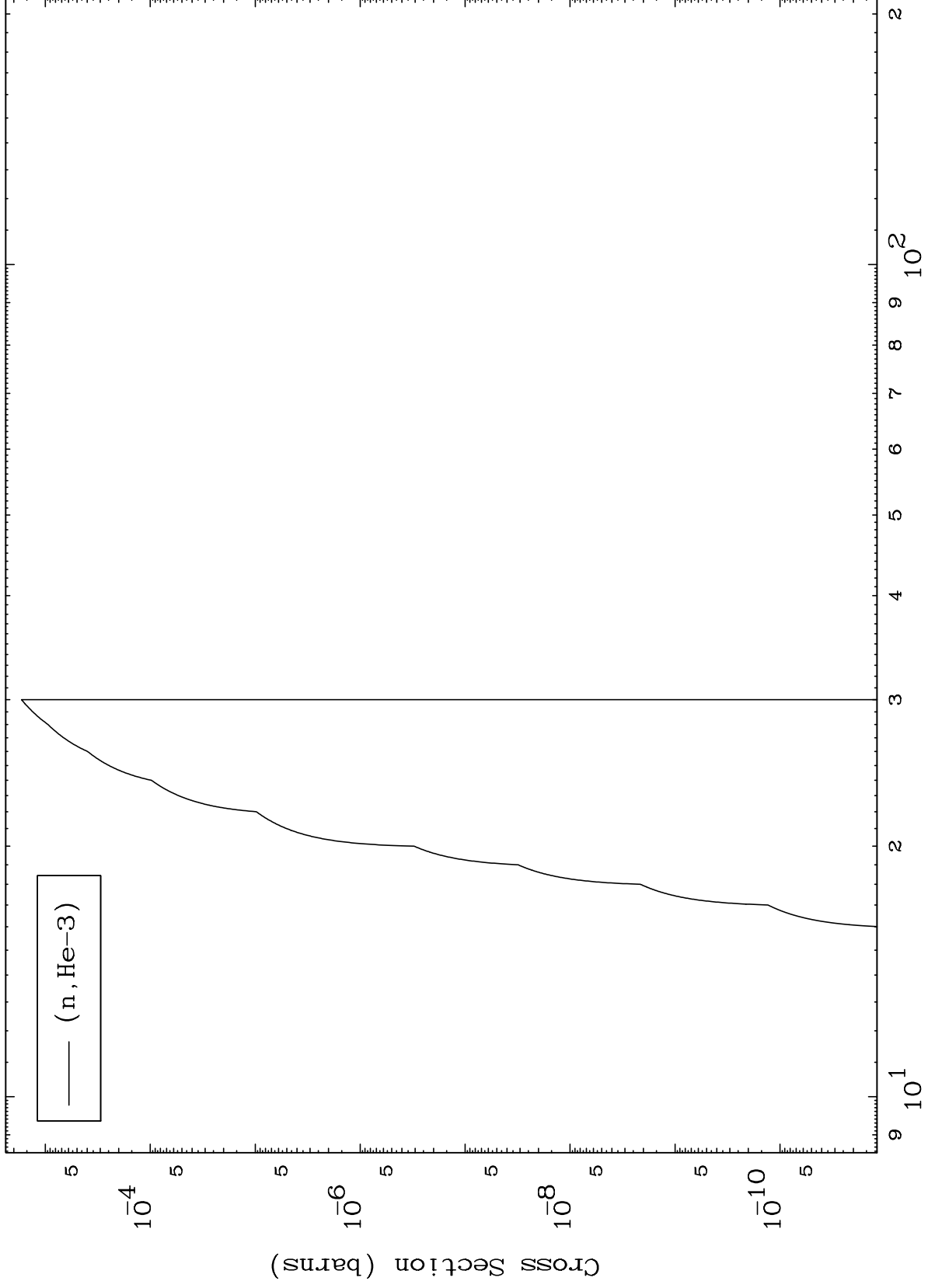


MAT 3917

($\alpha, \text{He3}$) Levels

39-Y -86m

0 Kelvin Cross Sections



9

Incident Energy (MeV)

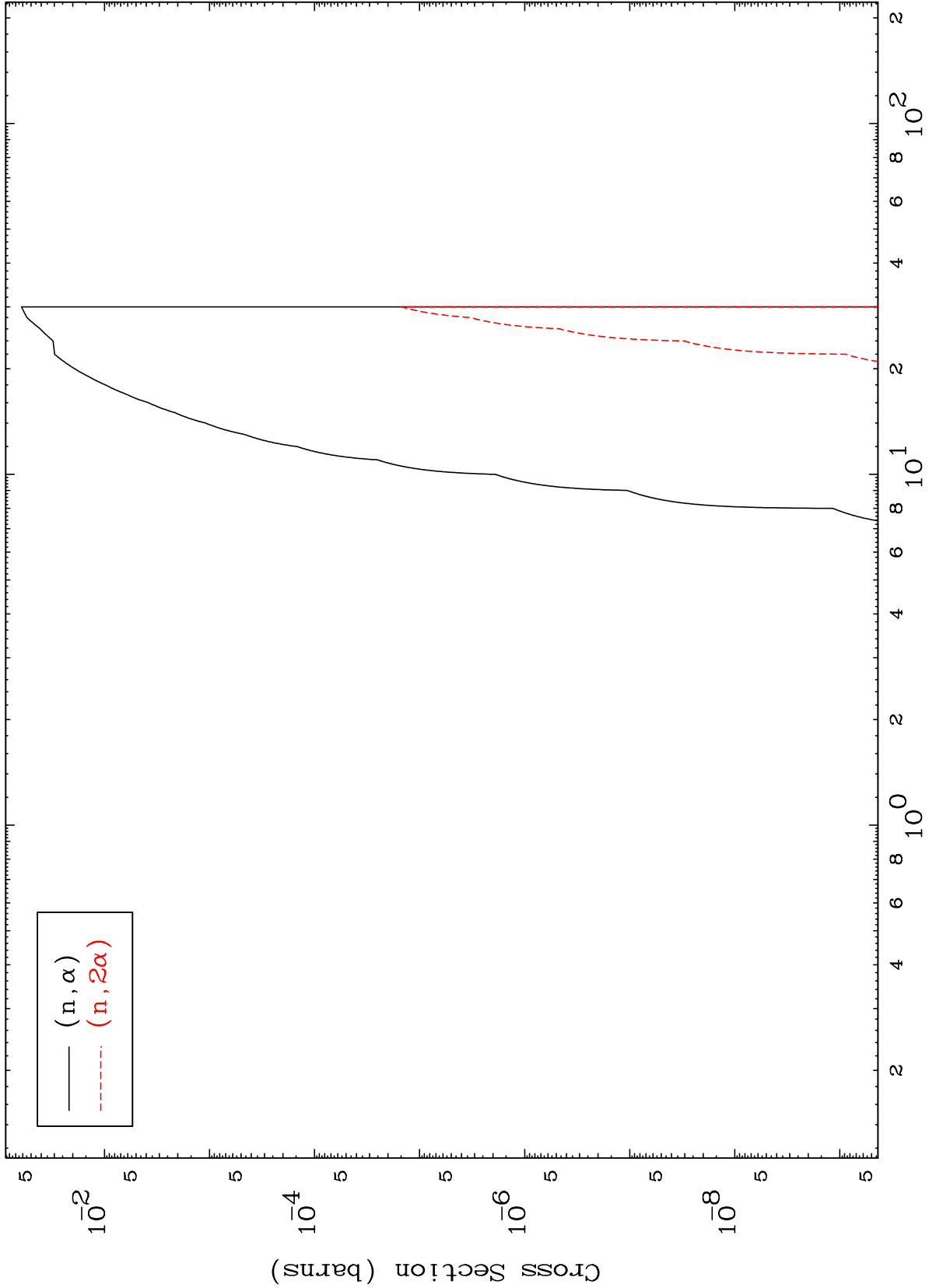
39-Y -86m

MAT 3917

(α, α) Levels

39-Y -86m

0 Kelvin Cross Sections

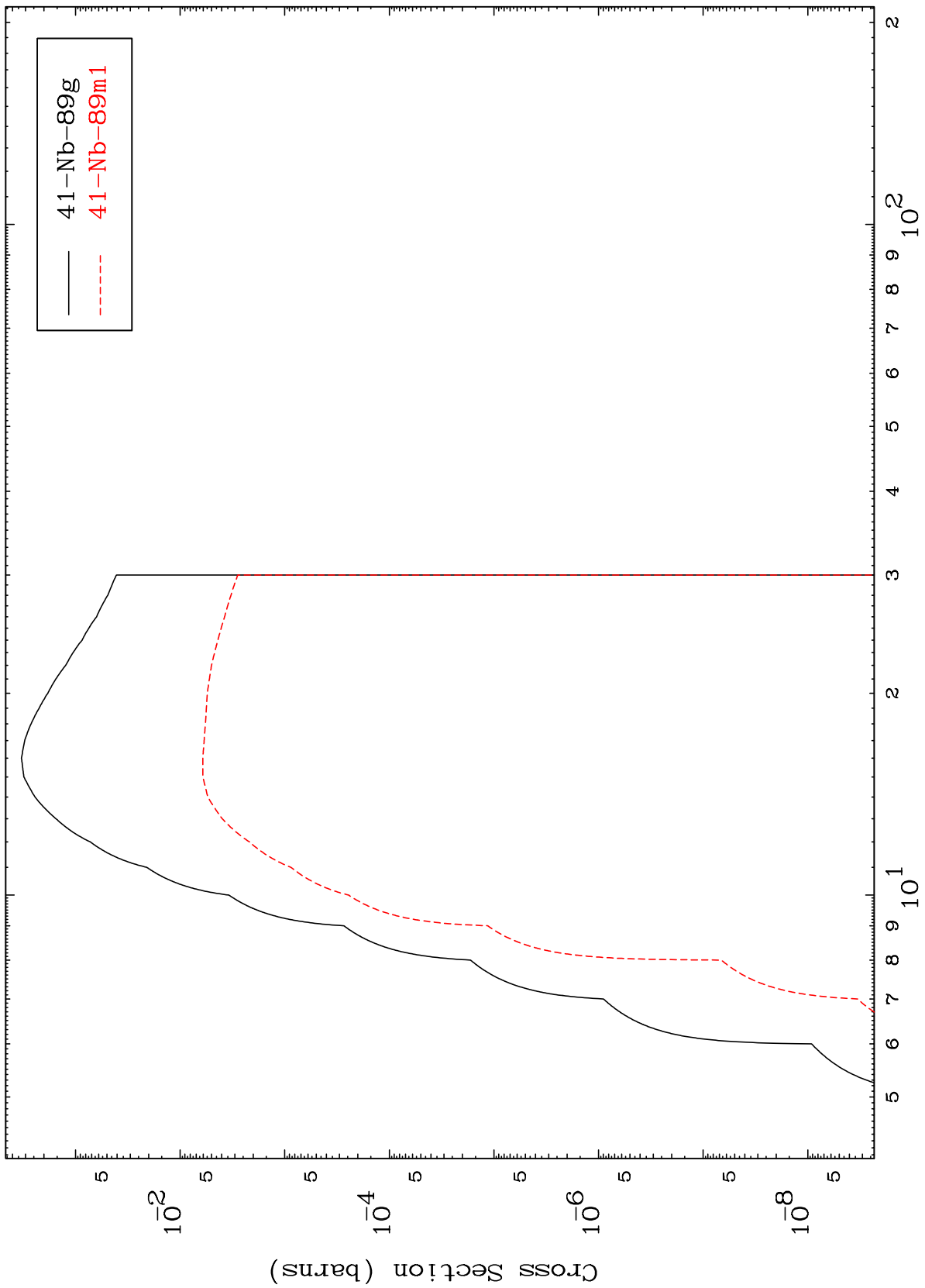


10

Incident Energy (MeV)

39-Y -86m

Inelastic
Radionuclide Production Cross Section

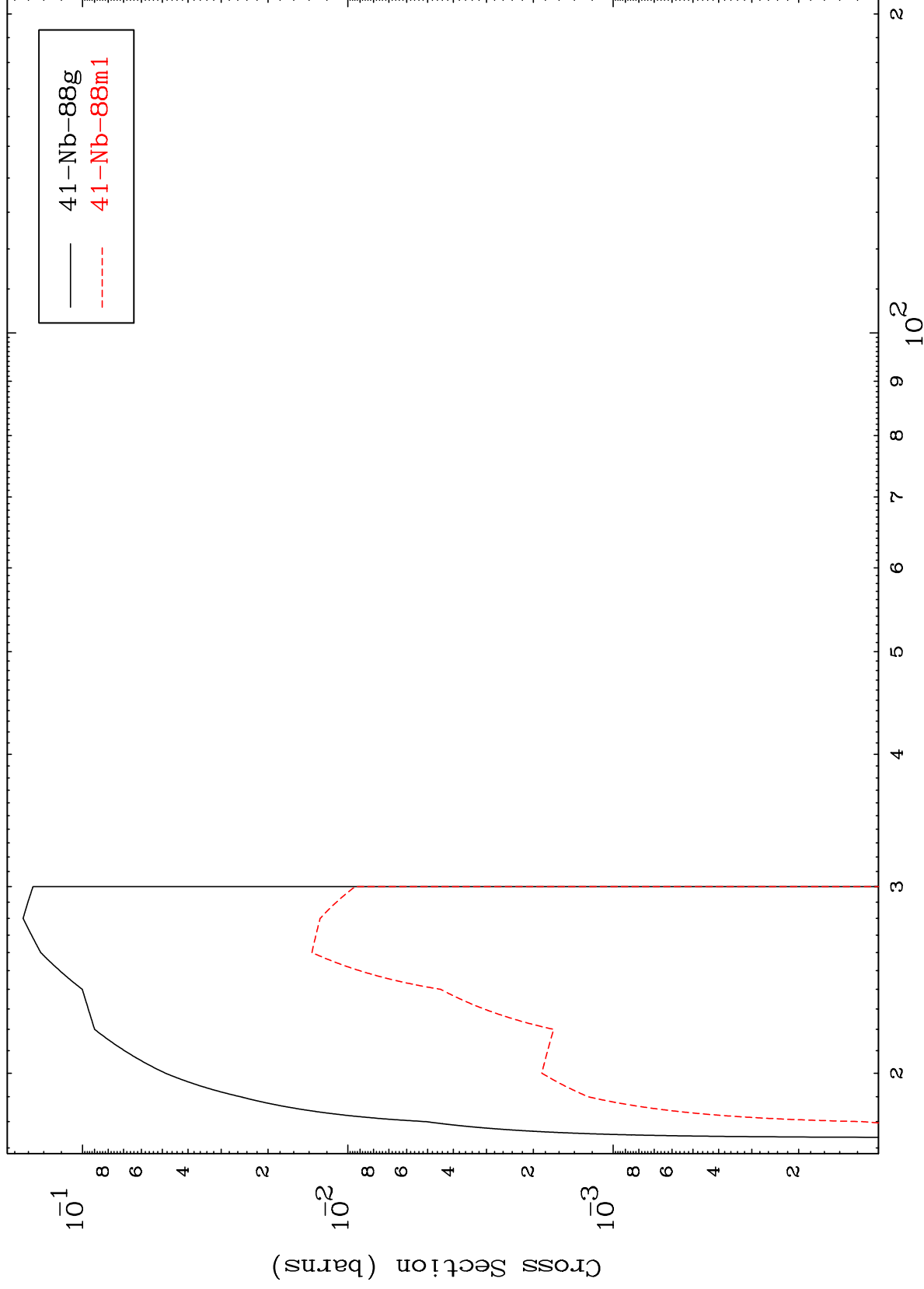


MAT 3917

(n,2n)

39-Y -86m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

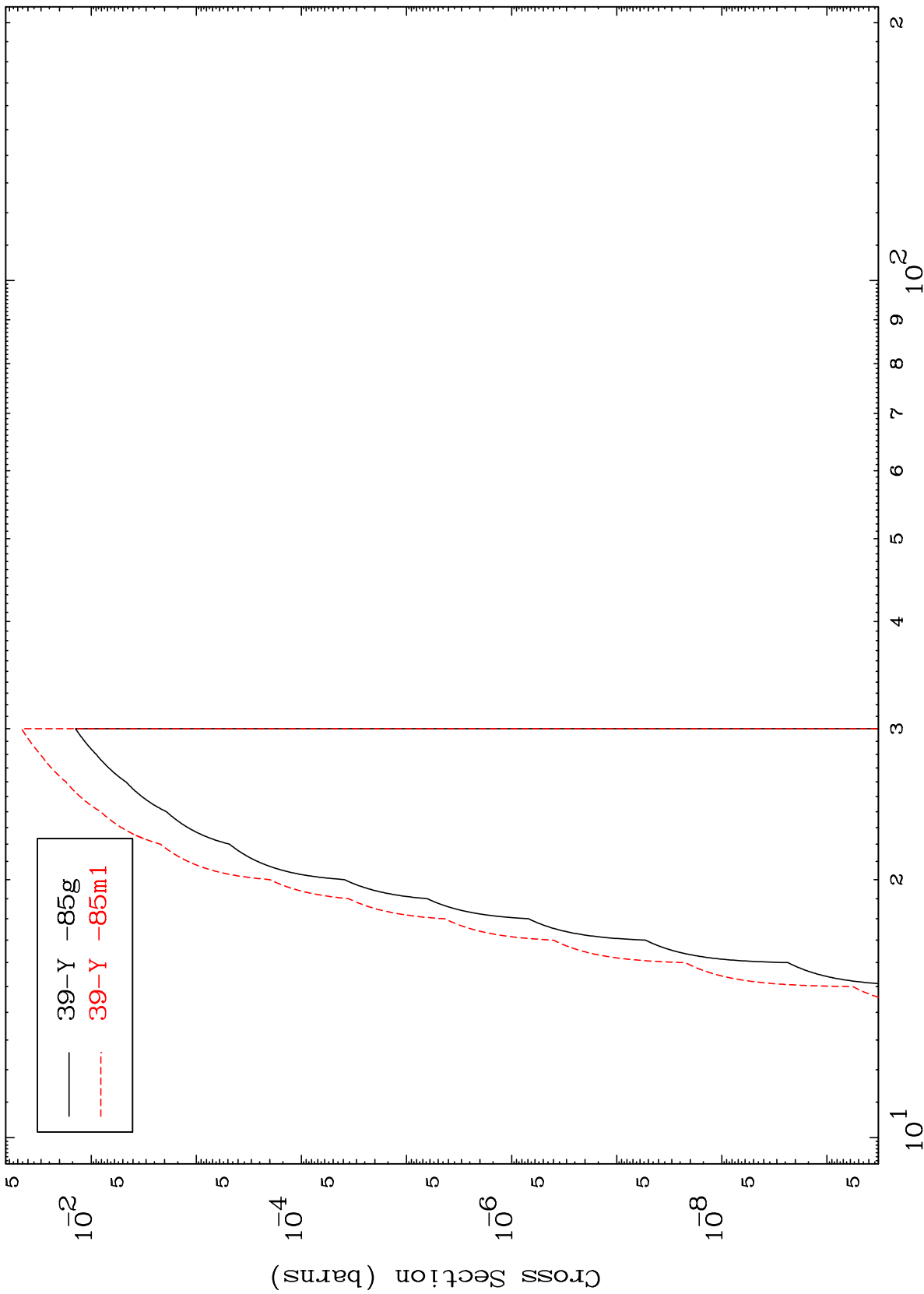
39-Y -86m

MAT 3917

$(n, n') \alpha$

39-Y -86m

Radionuclide Production Cross Section



39-Y -85g
39-Y -85m1

Incident Energy (MeV)

39-Y -86m

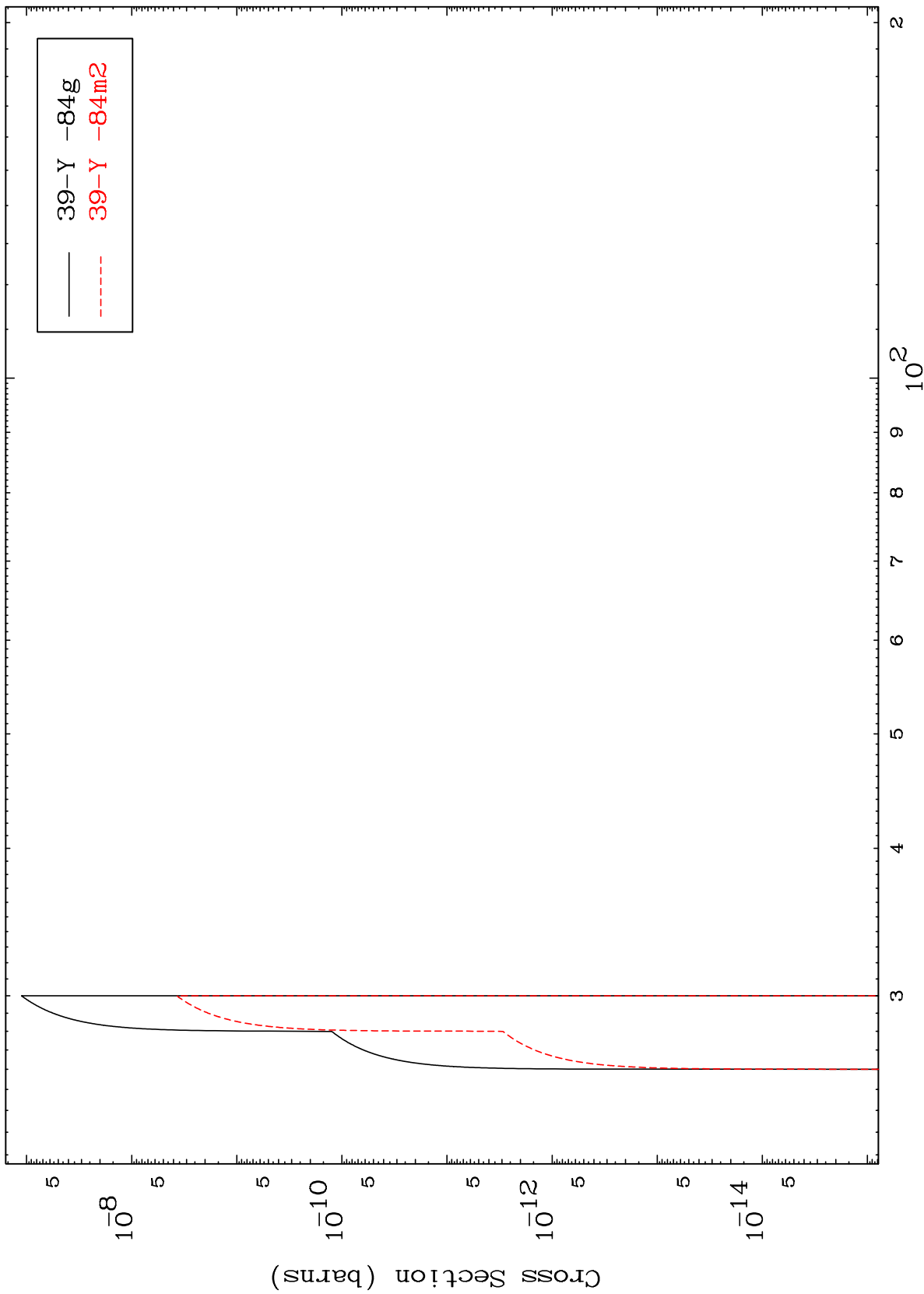
13

MAT 3917

$(n,2n) \alpha$

39-Y -86m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

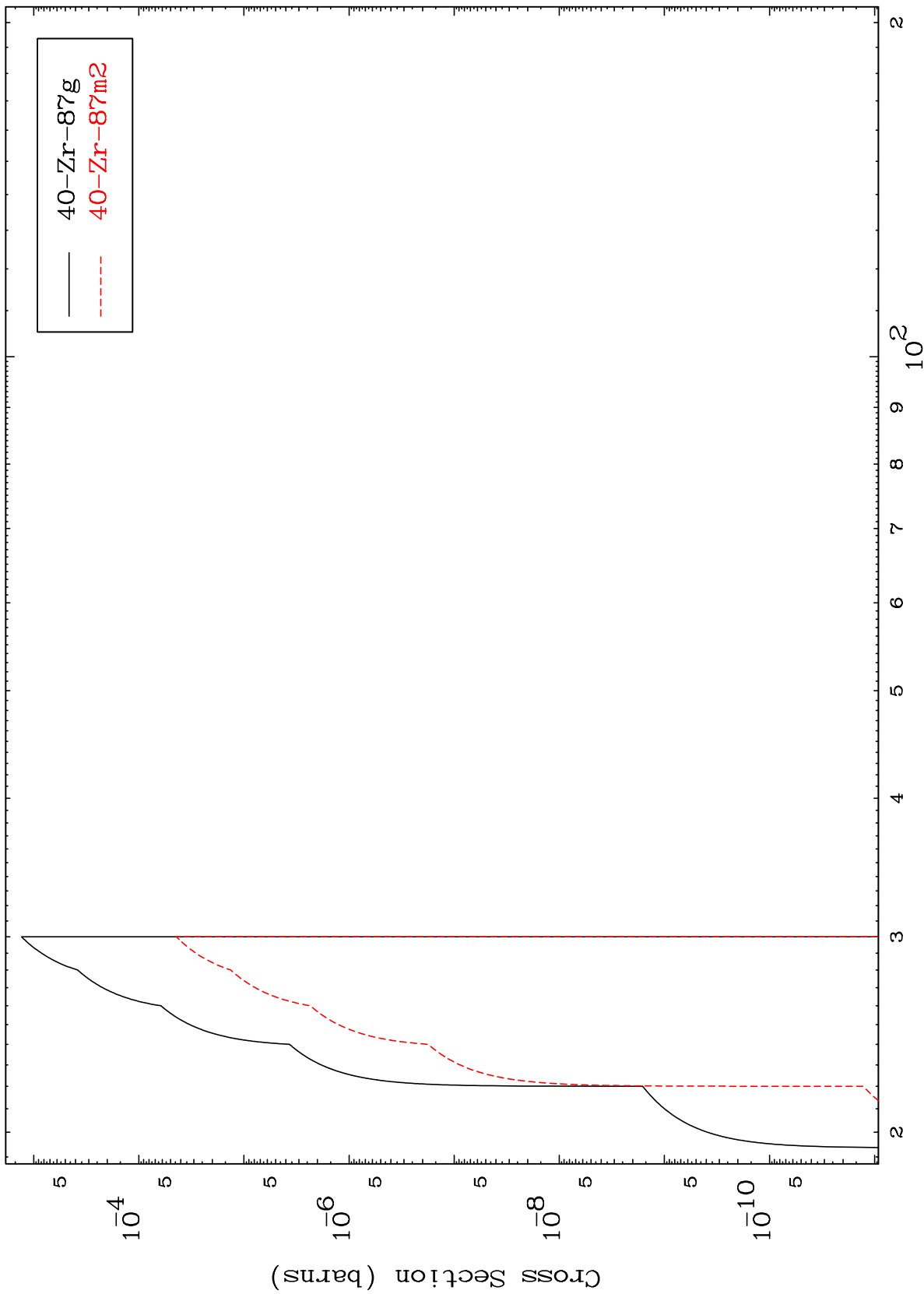
39-Y -86m

MAT 3917

(n,n') d

39-Y -86m

Radionuclide Production Cross Section



— 40-Zr-87g
- - - 40-Zr-87m2

15

Incident Energy (MeV)

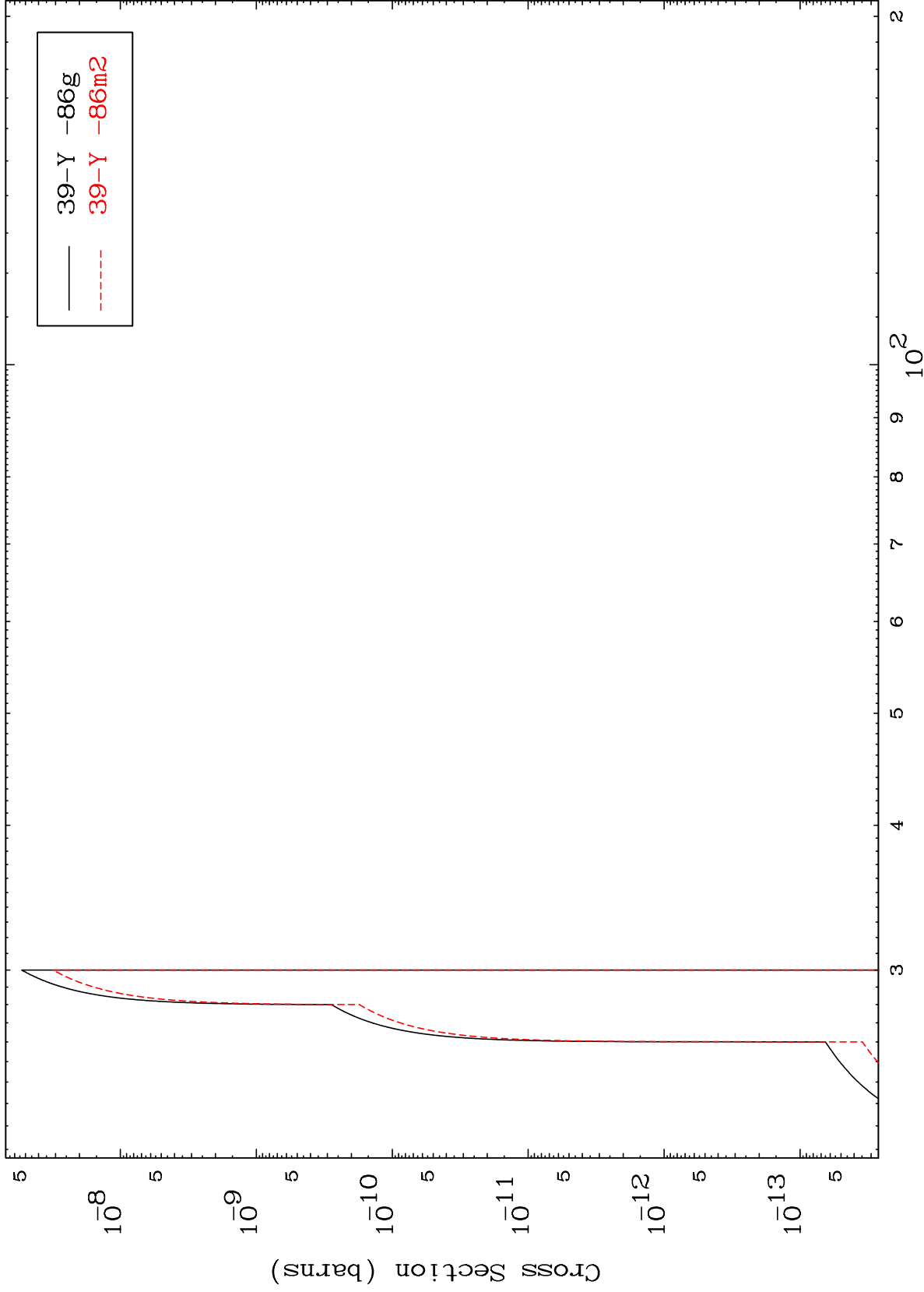
39-Y -86m

MAT 3917

(n,n') He-3

39-Y -86m

Radionuclide Production Cross Section

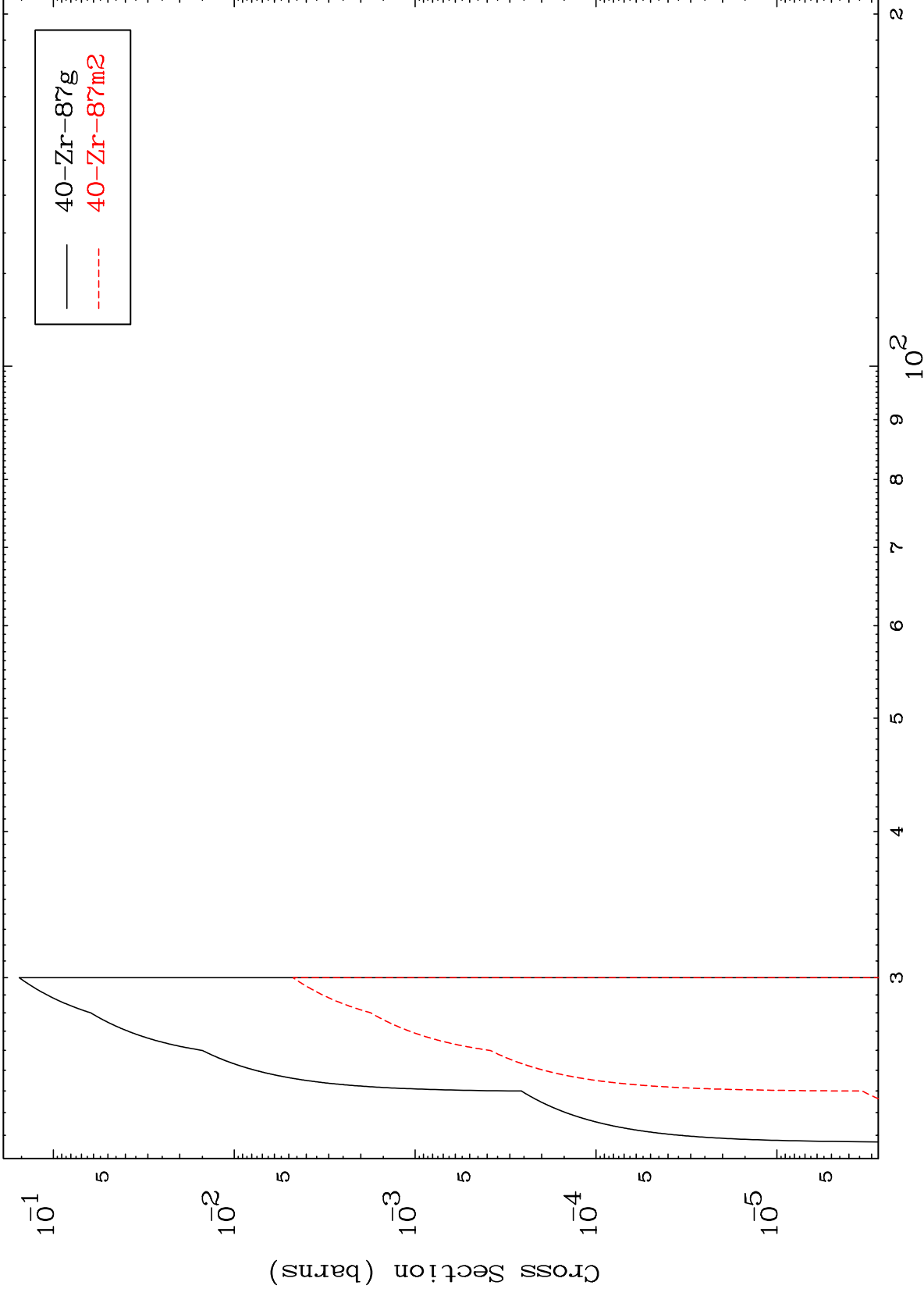


16

Incident Energy (MeV)

39-Y -86m

Radionuclide Production Cross Section

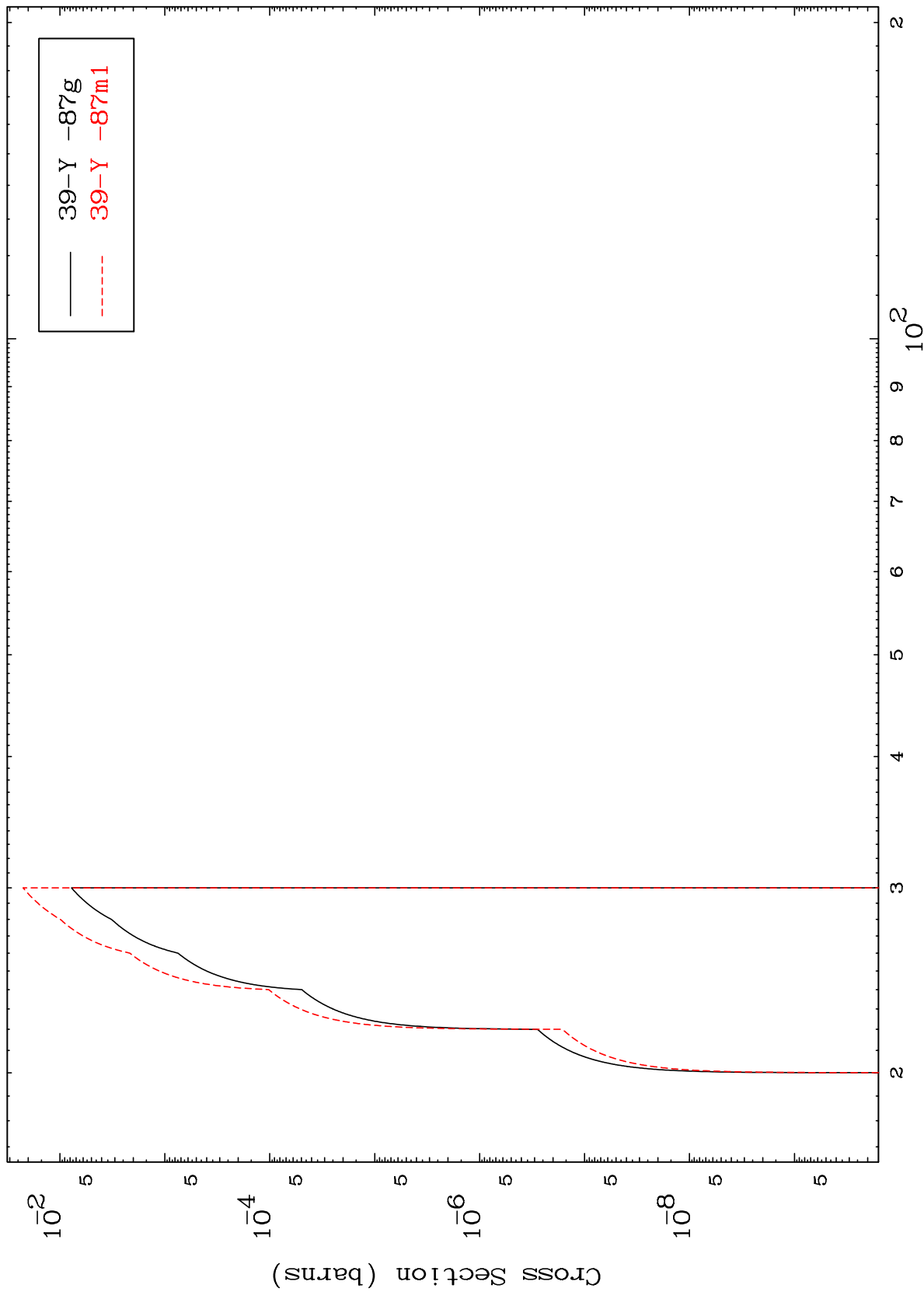


MAT 3917

(n,2n) p

39-Y -86m

Radionuclide Production Cross Section



18

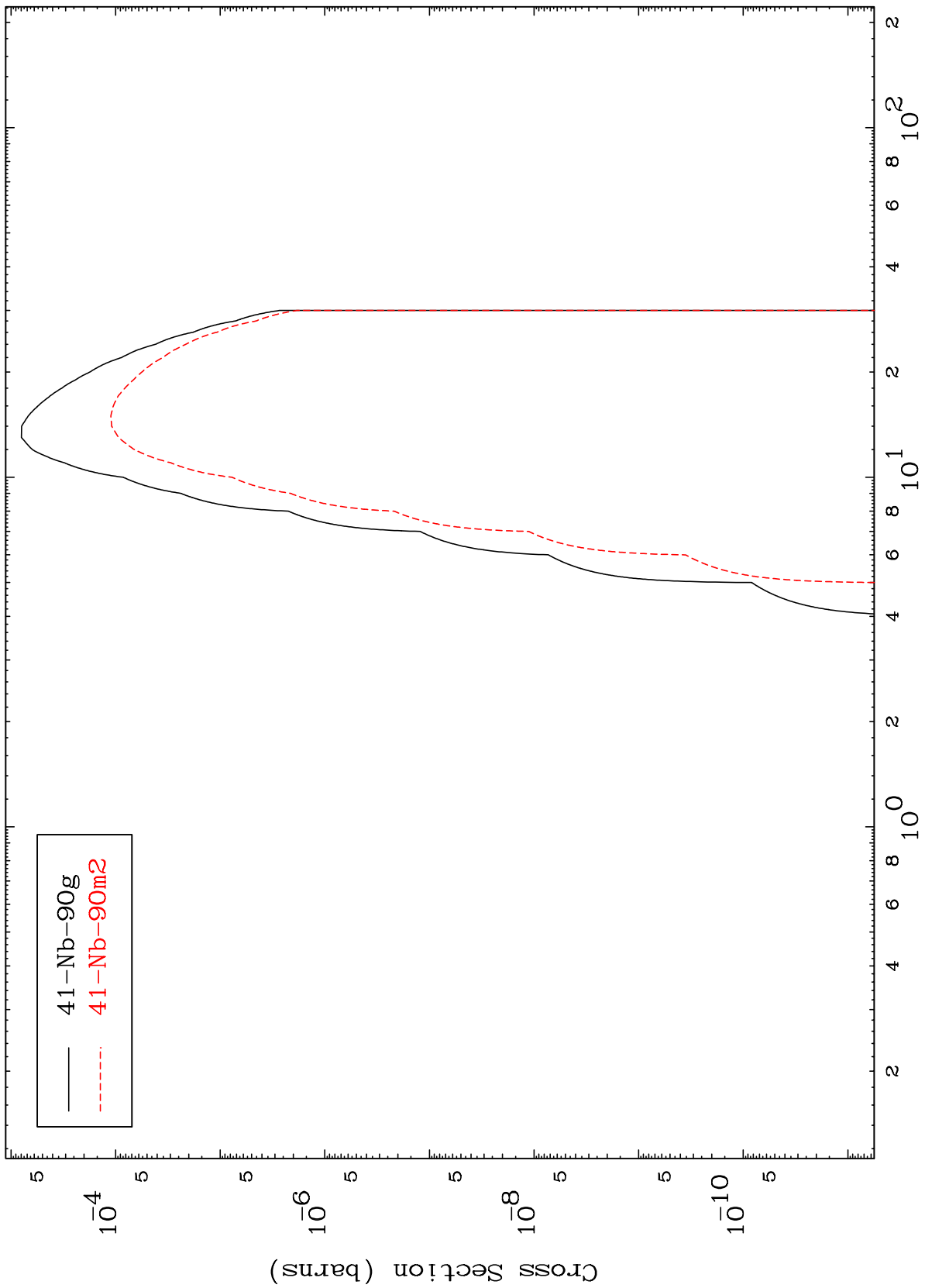
Incident Energy (MeV)

39-Y -86m

MAT 3917

39-Y -86m

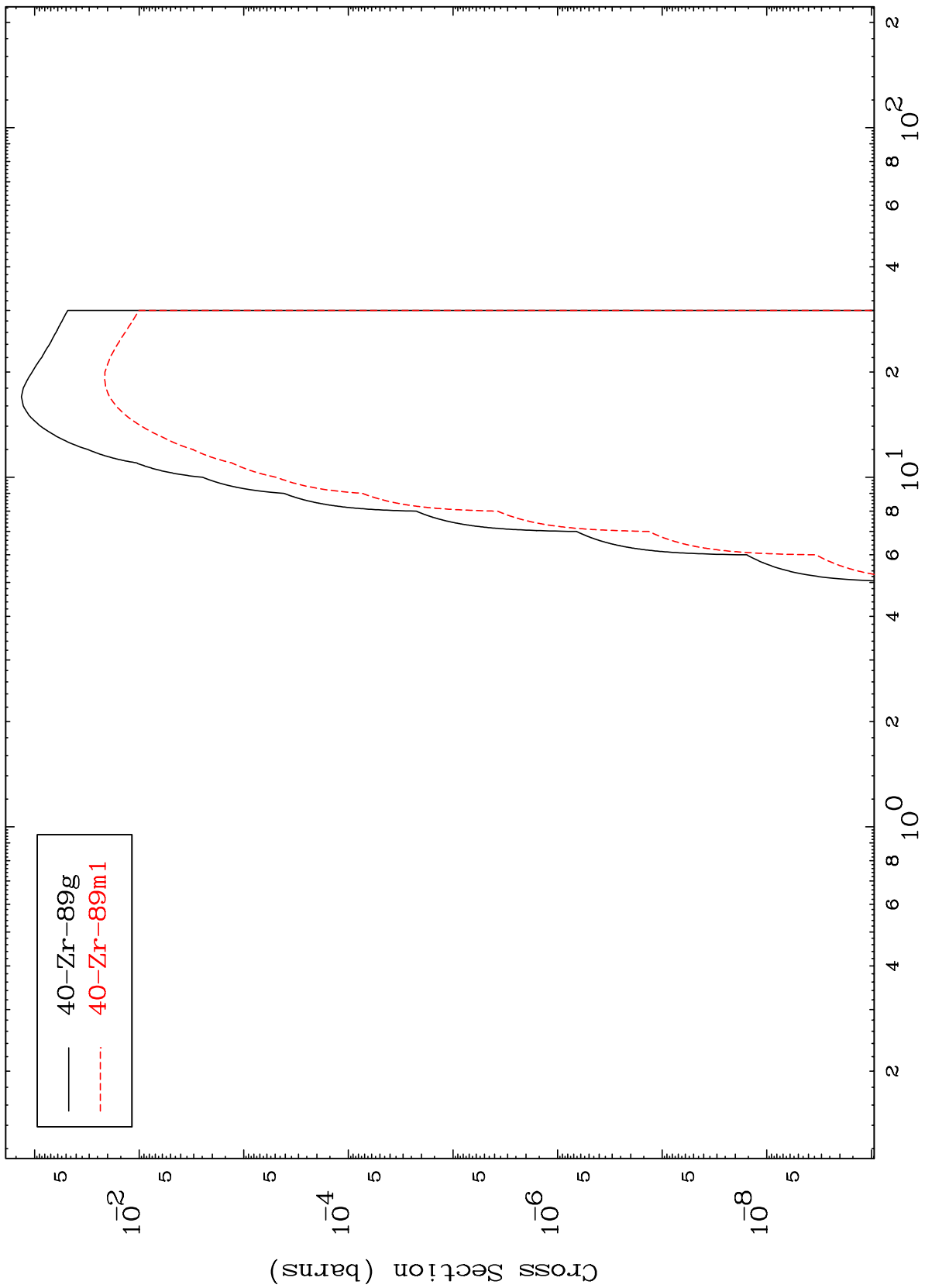
(n,γ)
Radionuclide Production Cross Section



MAT 3917

39-Y -86m

(n,p)
Radionuclide Production Cross Section

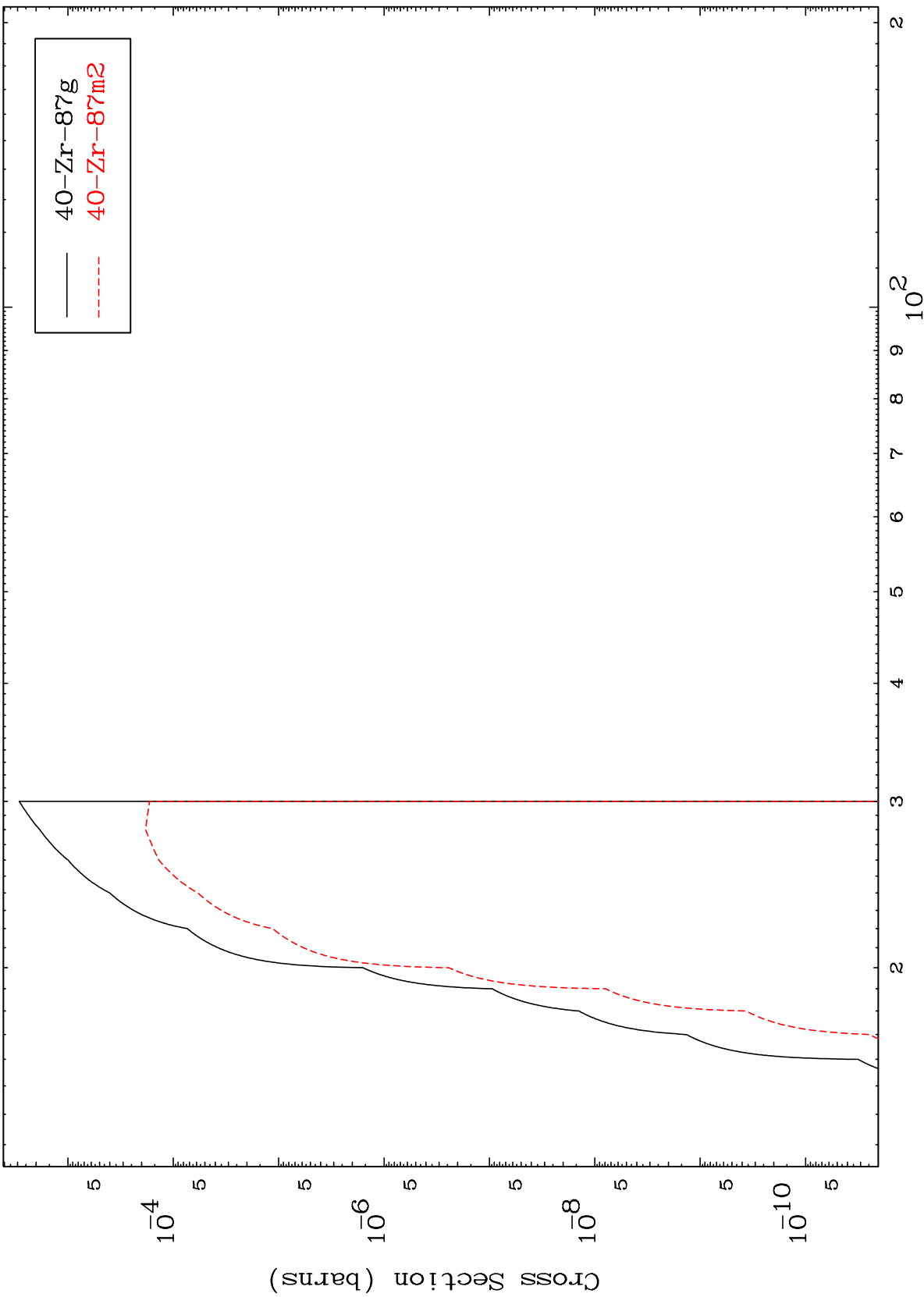


20

Incident Energy (MeV)

39-Y -86m

Radionuclide Production Cross Section

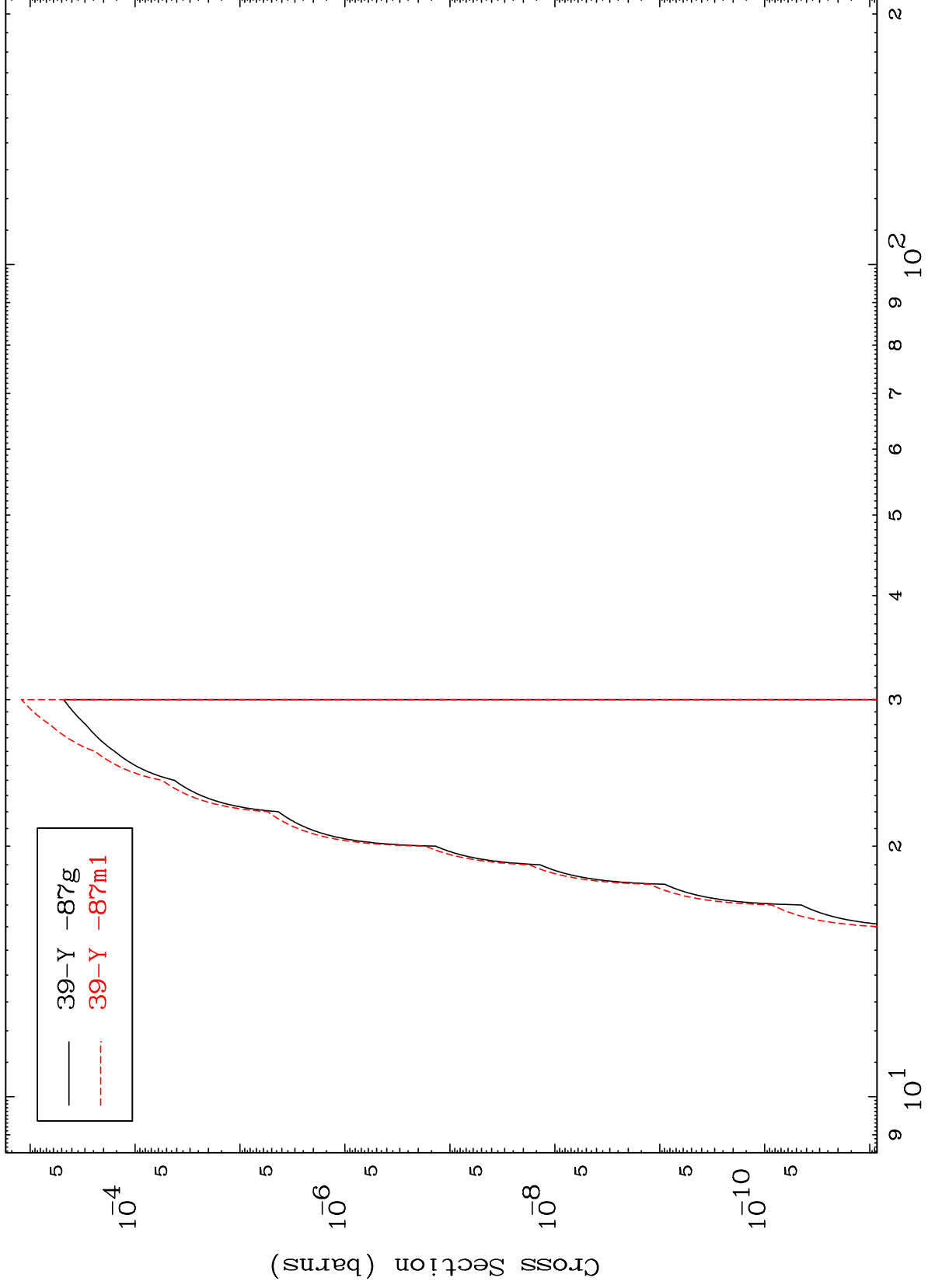


MAT 3917

(n,He-3)

39-Y -86m

Radionuclide Production Cross Section



39-Y -87g
39-Y -87m1

22

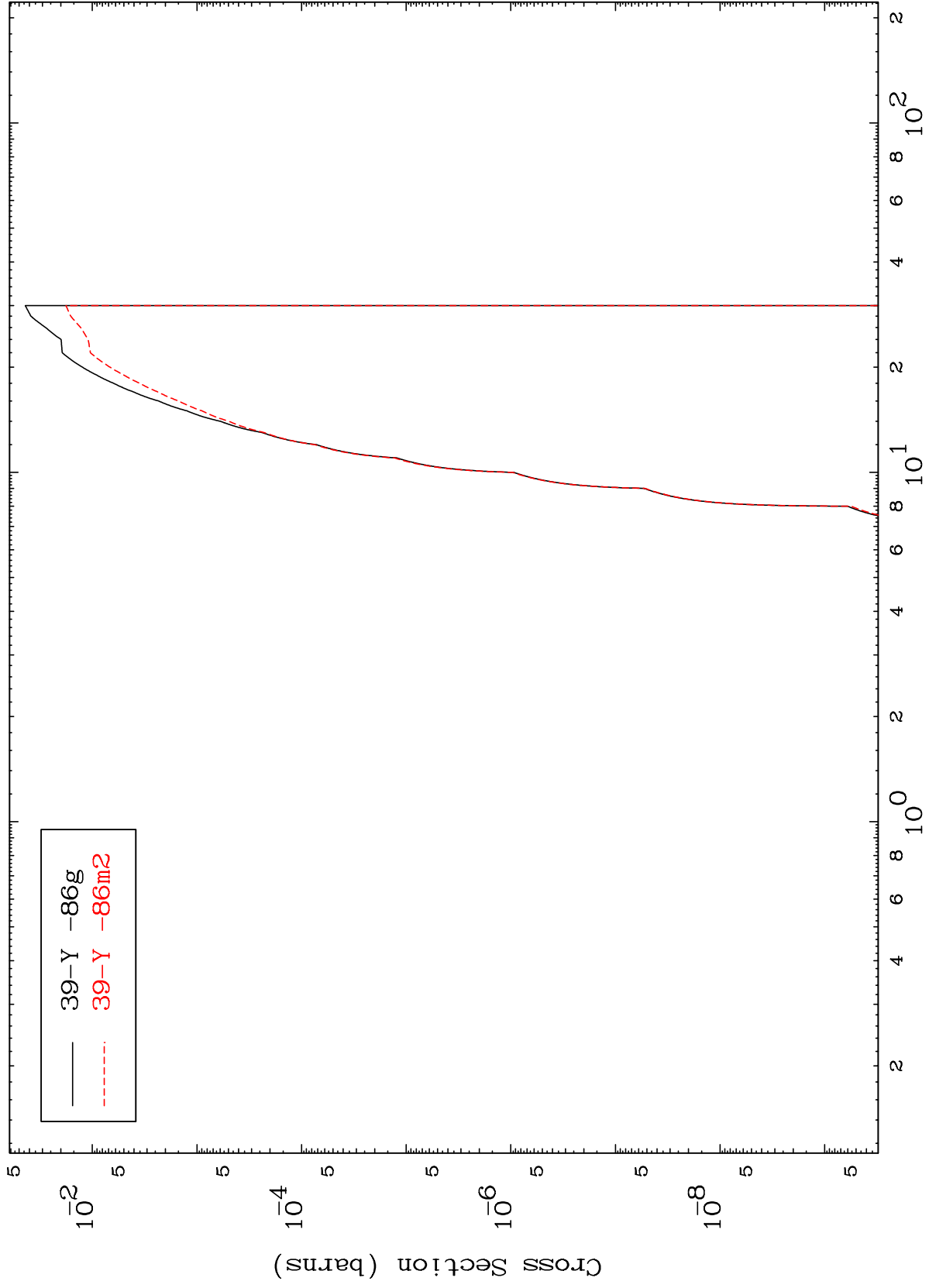
Incident Energy (MeV)

39-Y -86m

MAT 3917

39-Y -86m

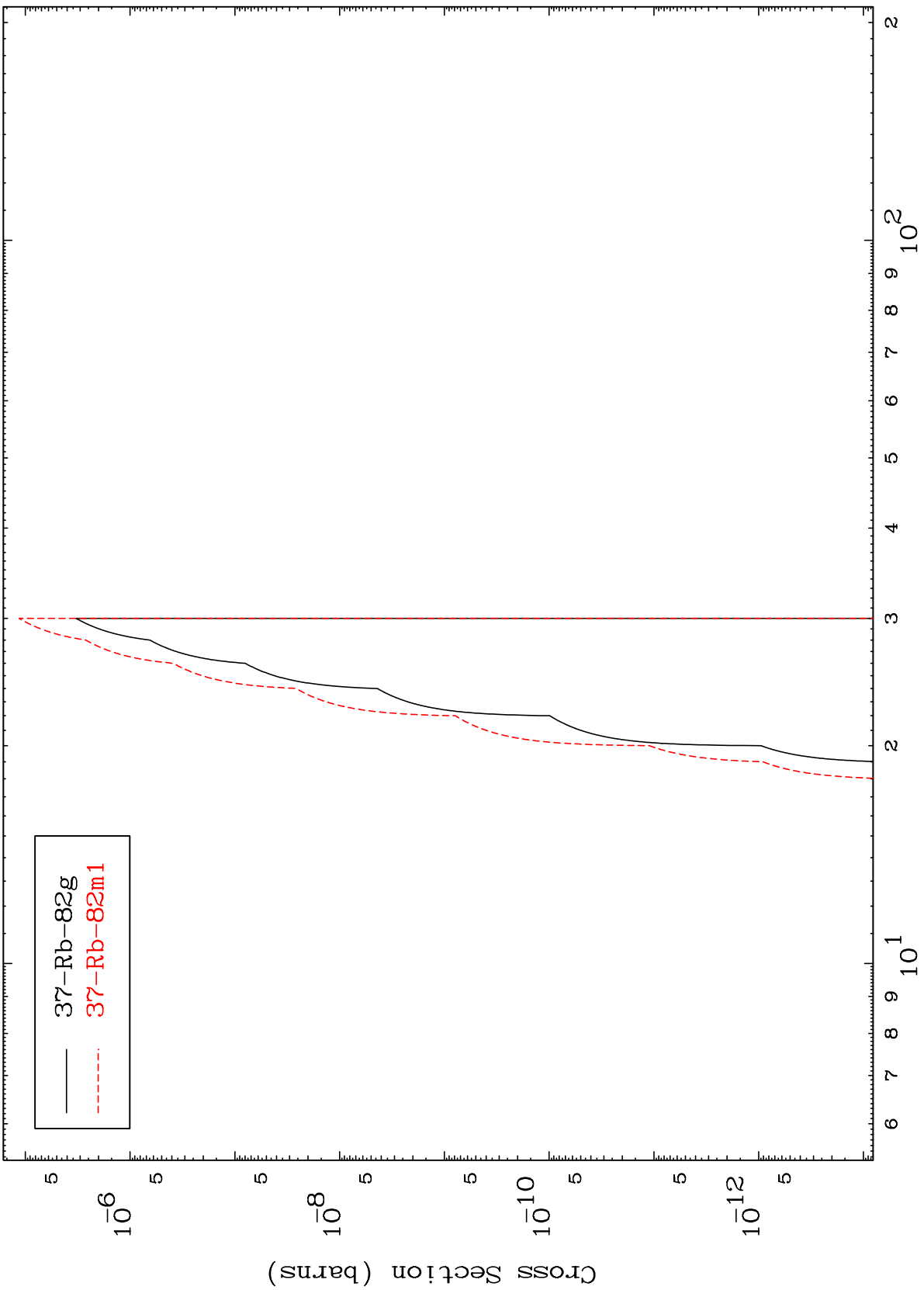
Radionuclide Production Cross Section
(n, α)



MAT 3917

39-Y -86m

Radionuclide Production Cross Section
(n,2α)



24

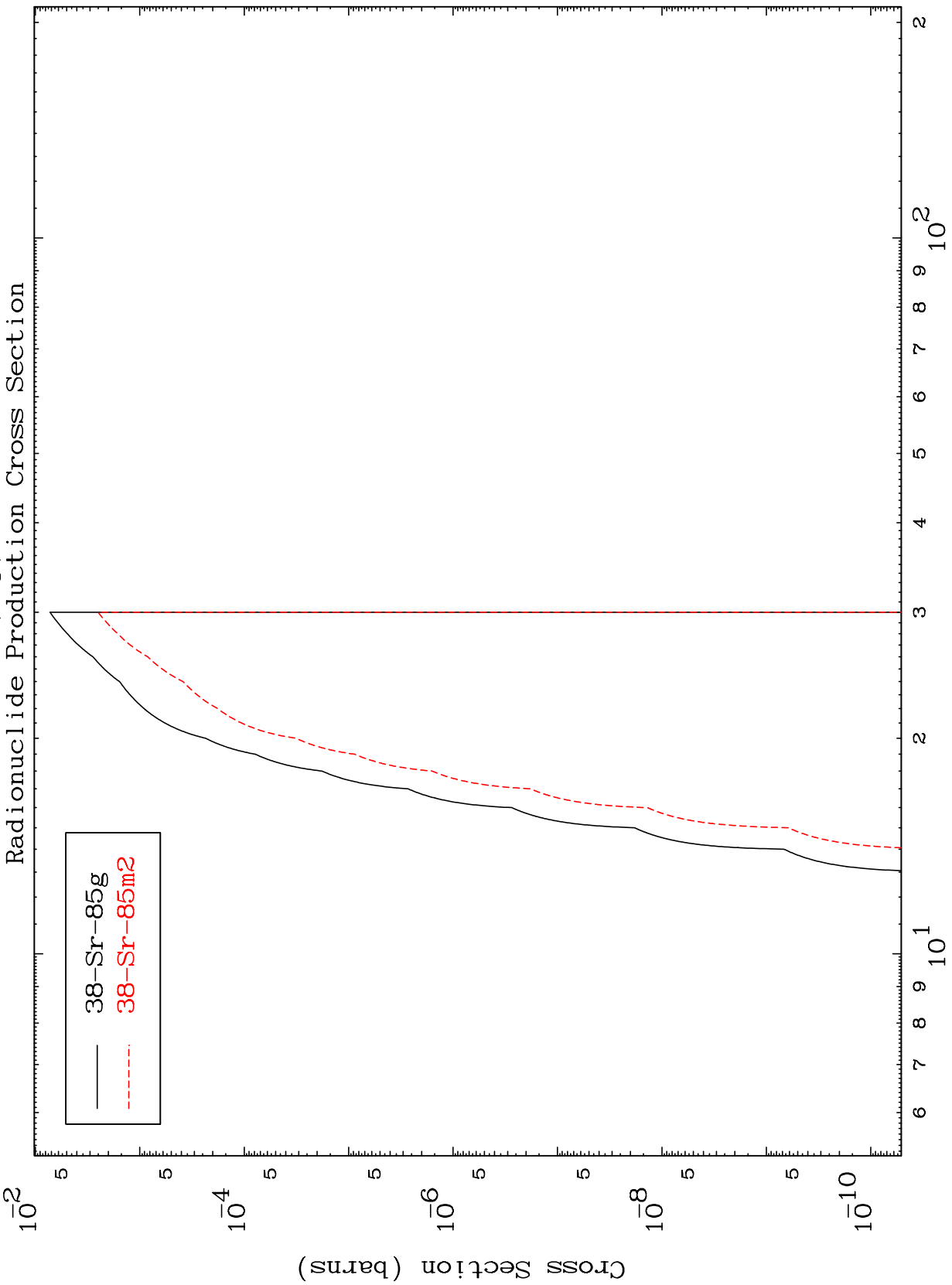
39-Y -86m

Incident Energy (MeV)

MAT 3917

(n,p) α

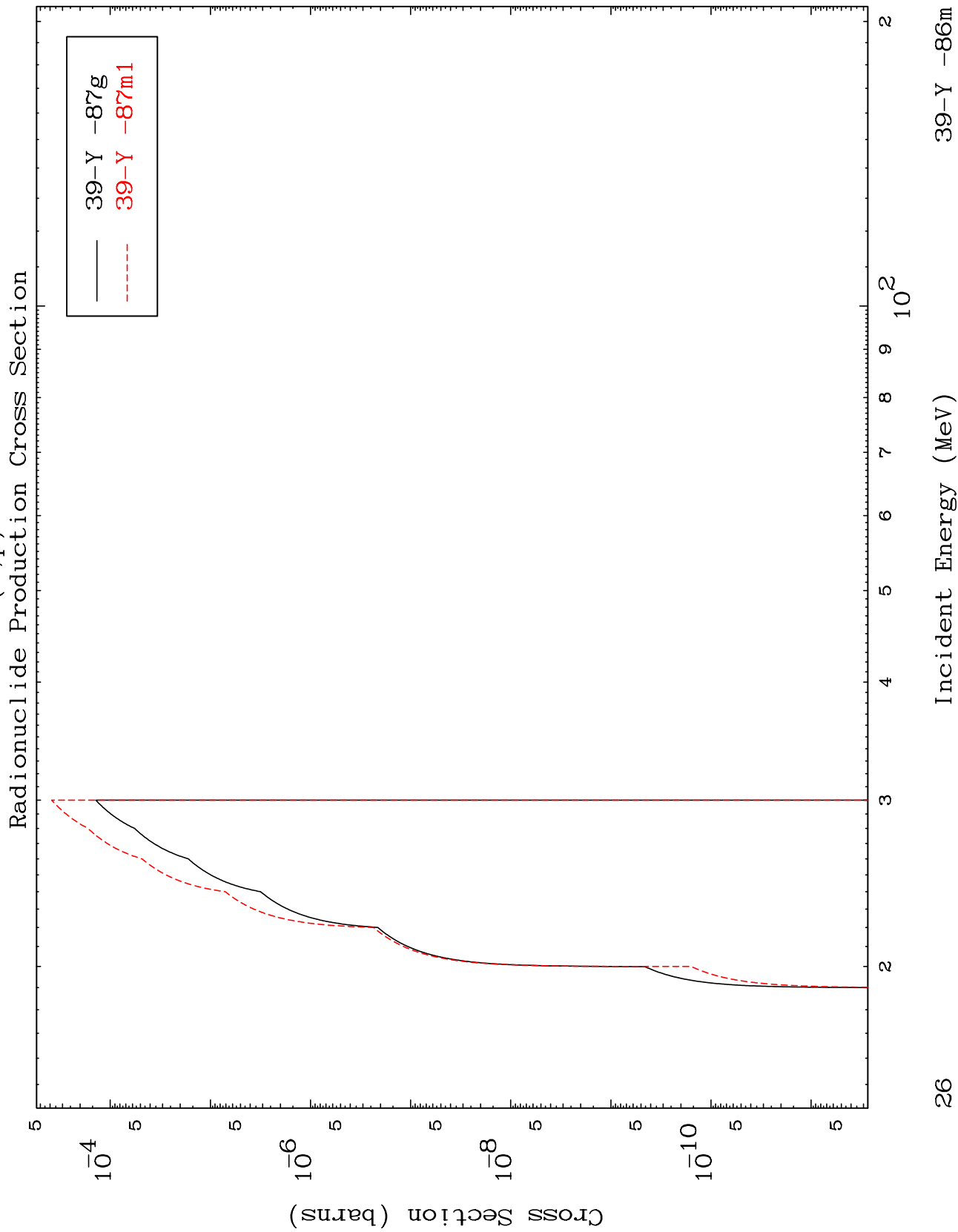
39-Y -86m



25

Incident Energy (MeV)

39-Y -86m

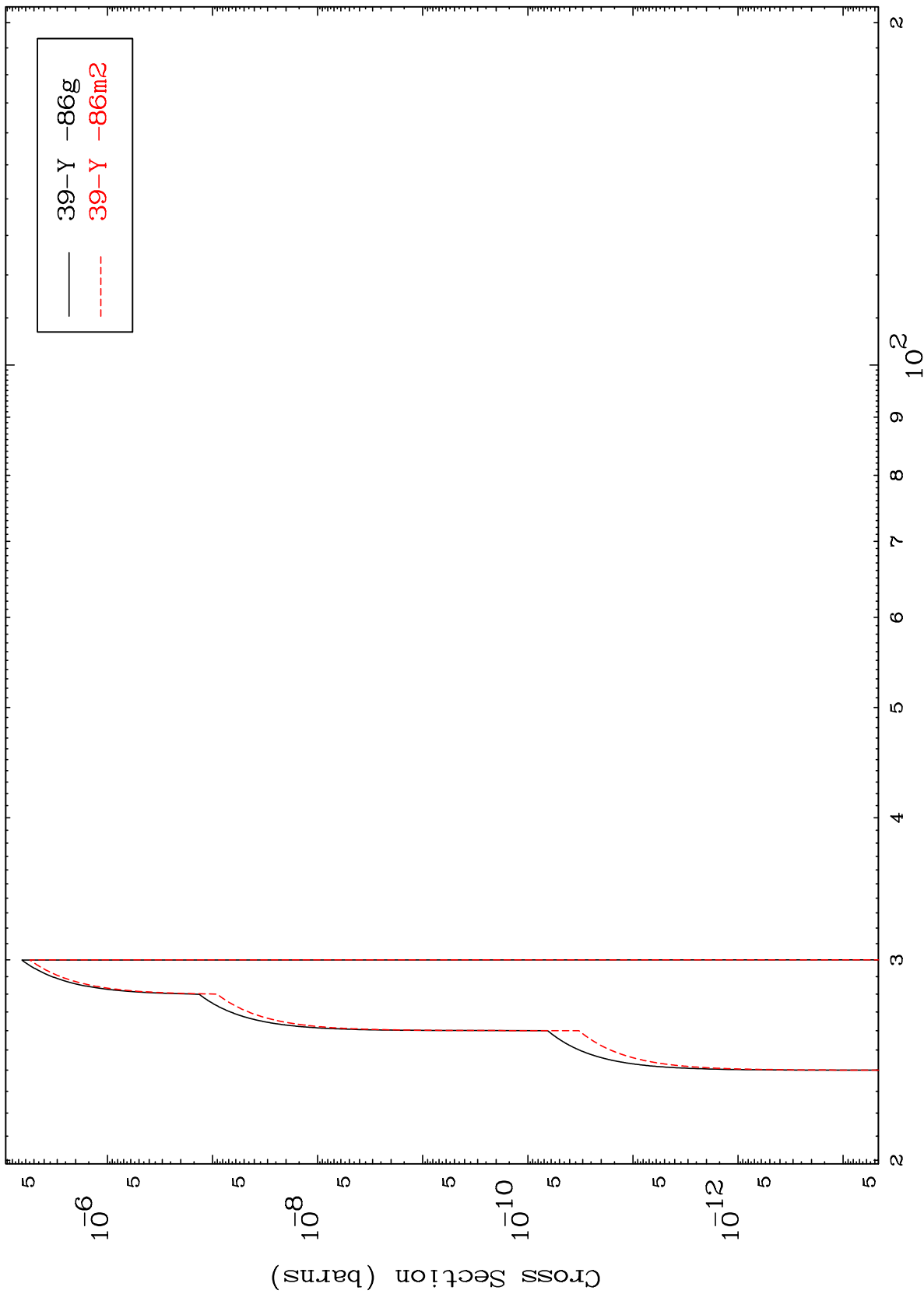


MAT 3917

(n,p) t

39-Y -86m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

39-Y -86m