

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

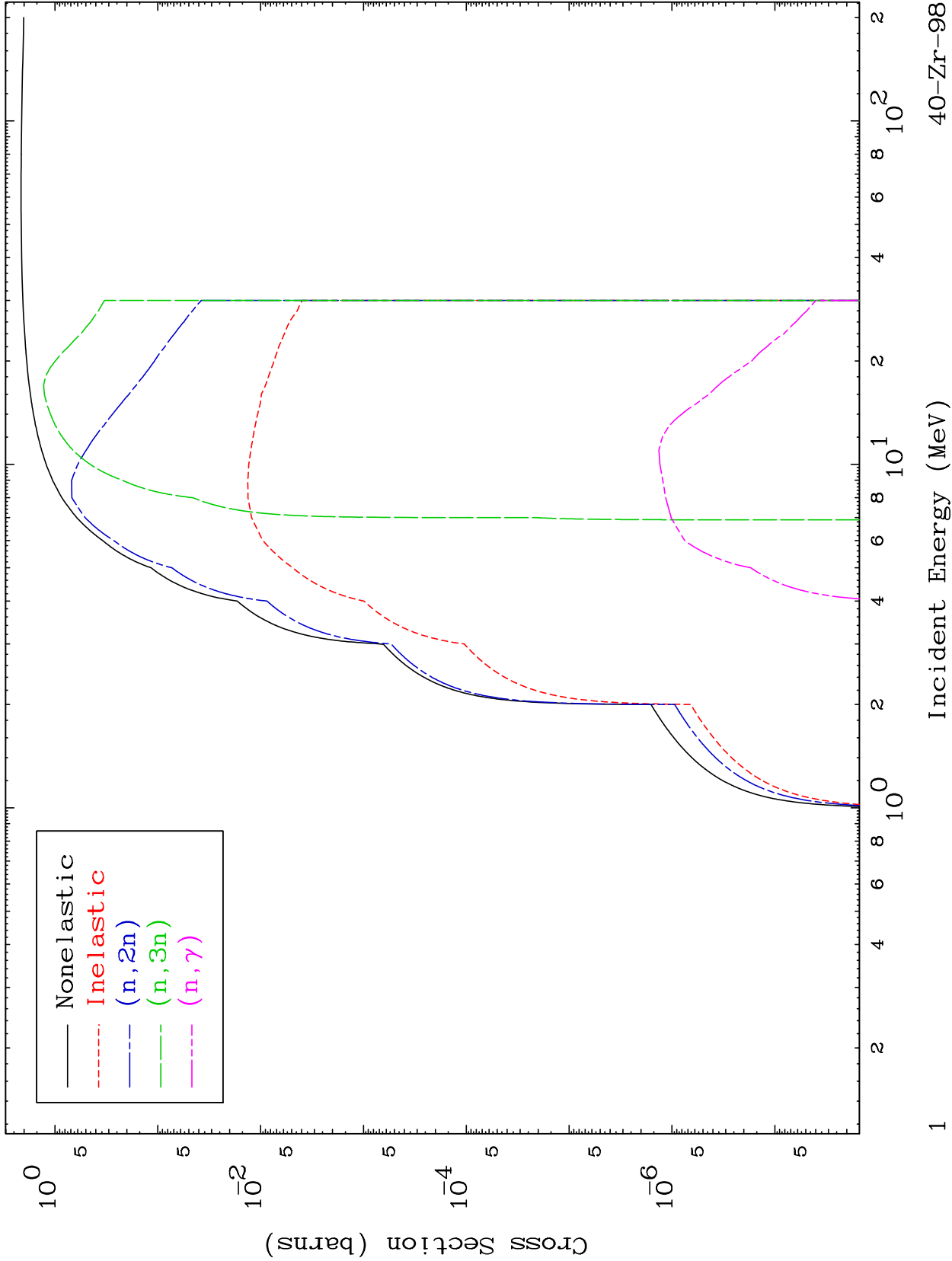
Press Mouse Button to Start

MAT 4049

Deuteron Major

40-Zr-98

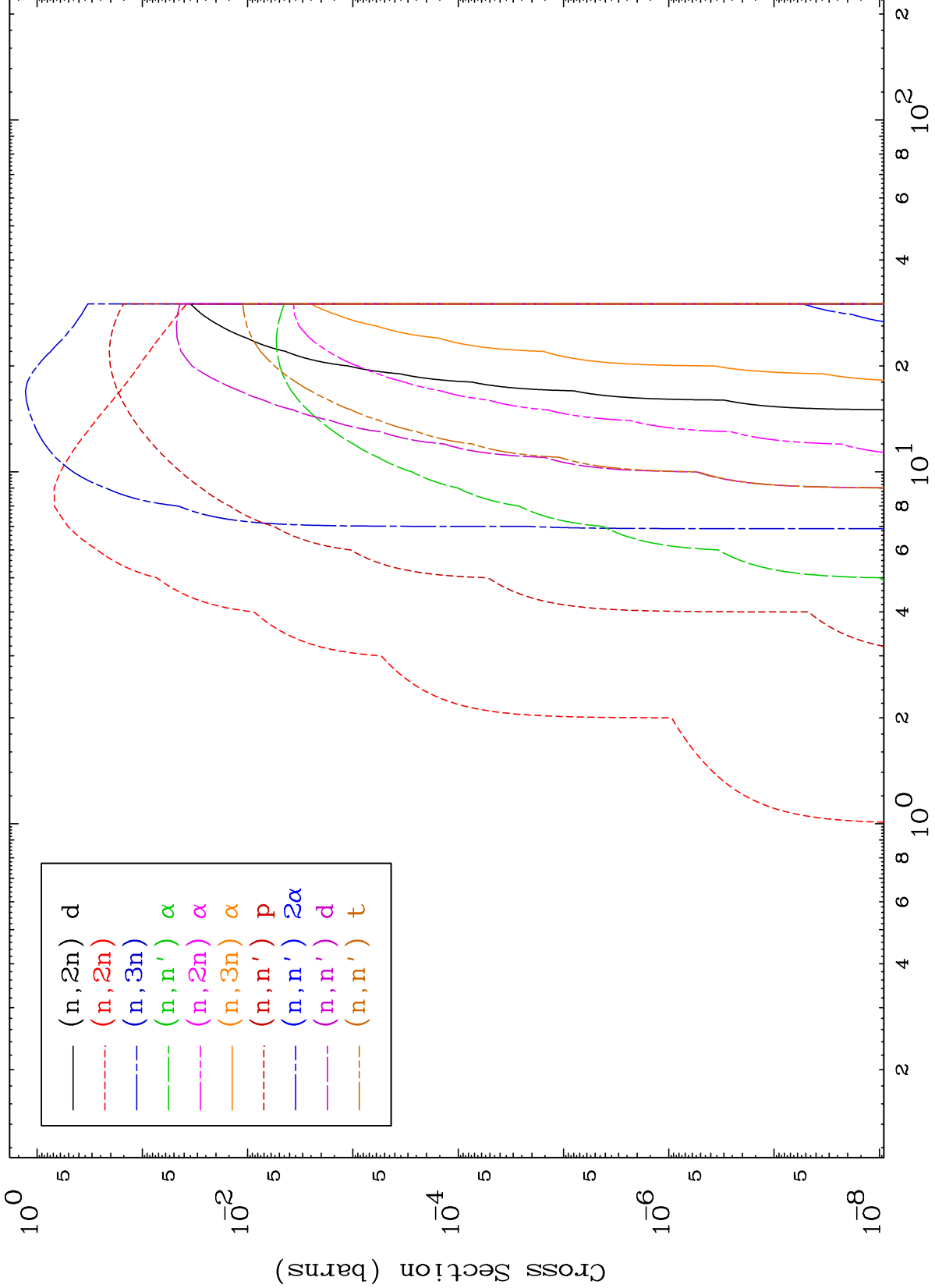
0 Kelvin Cross Sections



MAT 4049

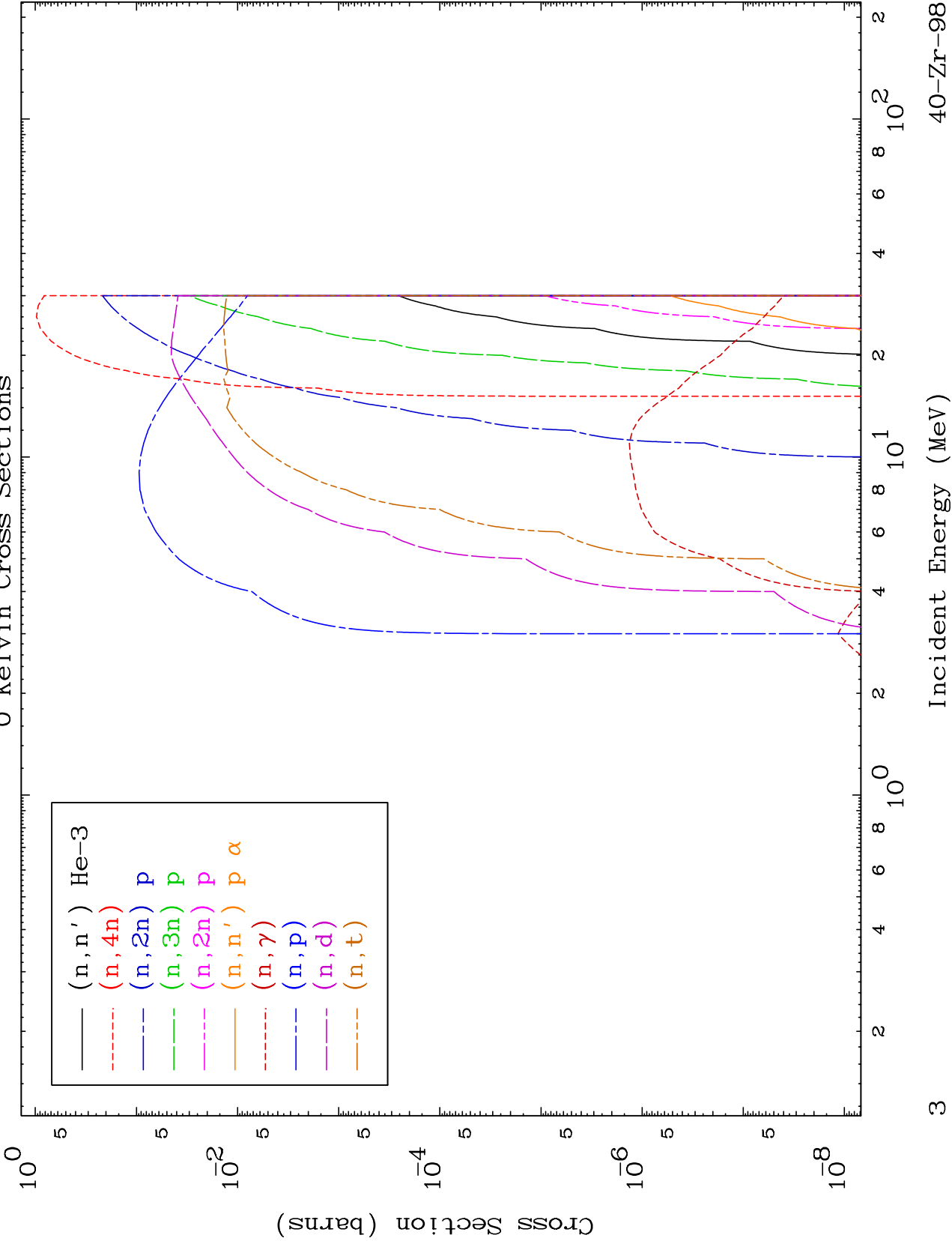
Deuteron Neutron Absorption  
0 Kelvin Cross Sections

40-Zr-98



Incident Energy (MeV)

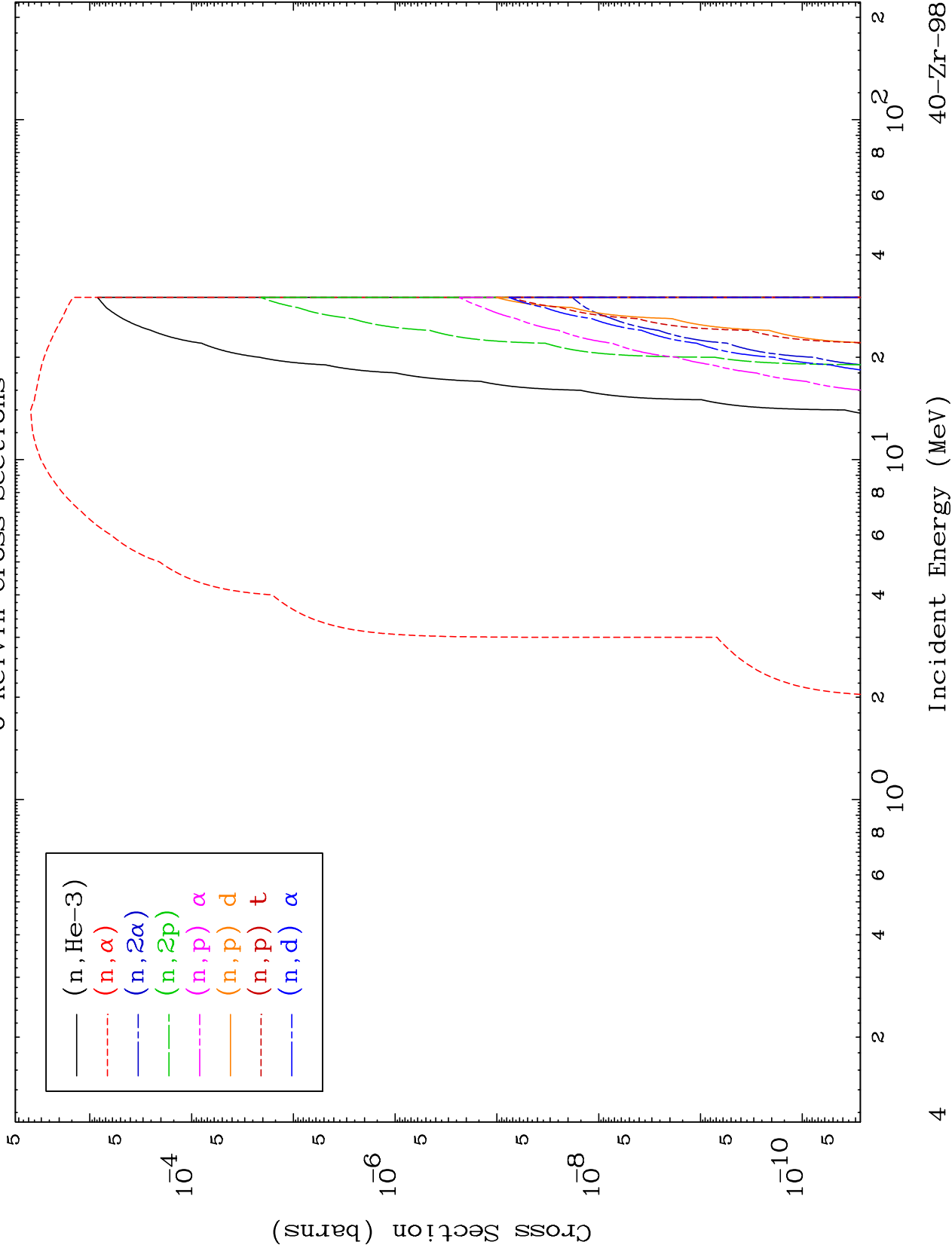
40-Zr-98

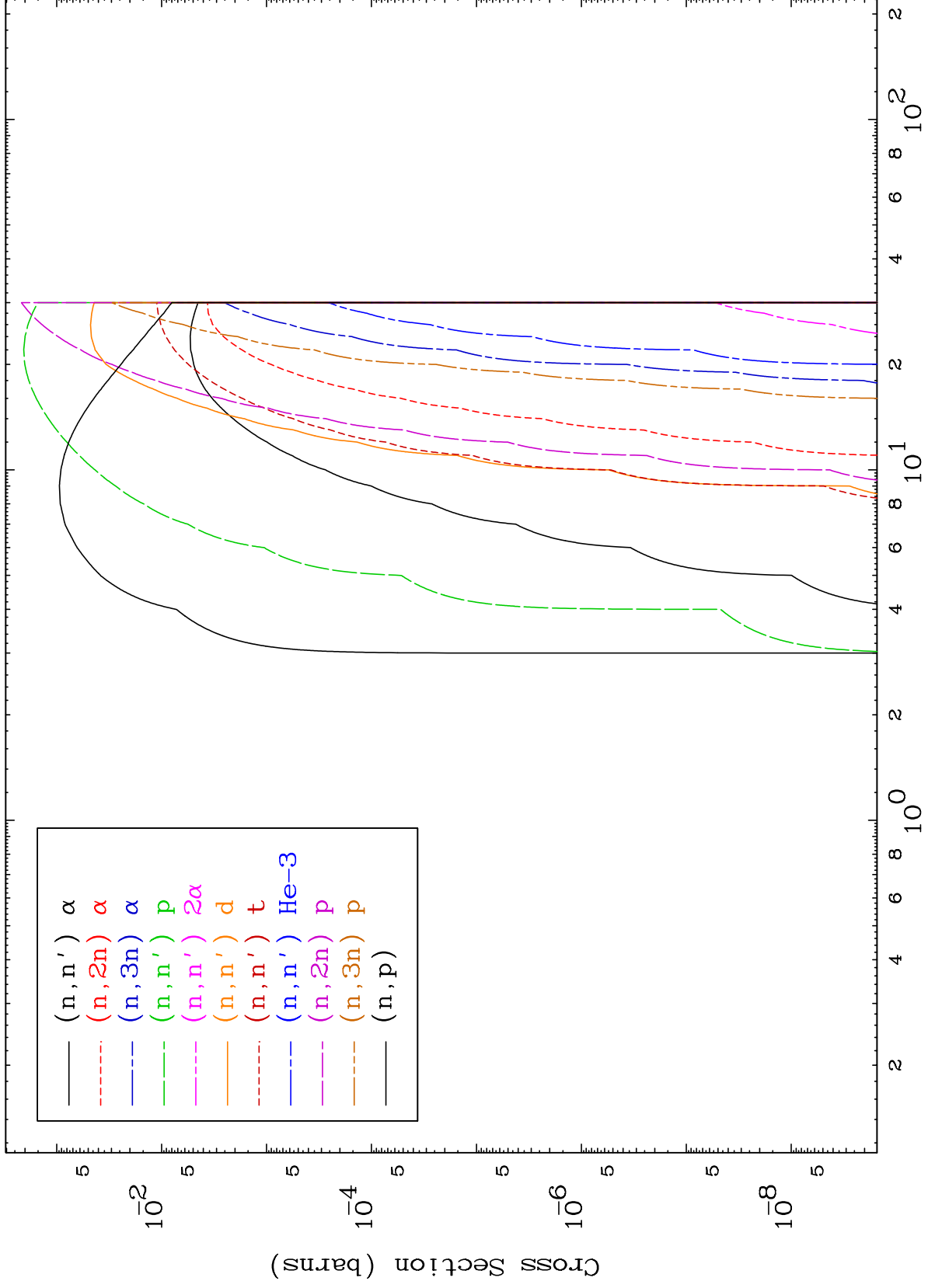


MAT 4049

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

40-Zr-98

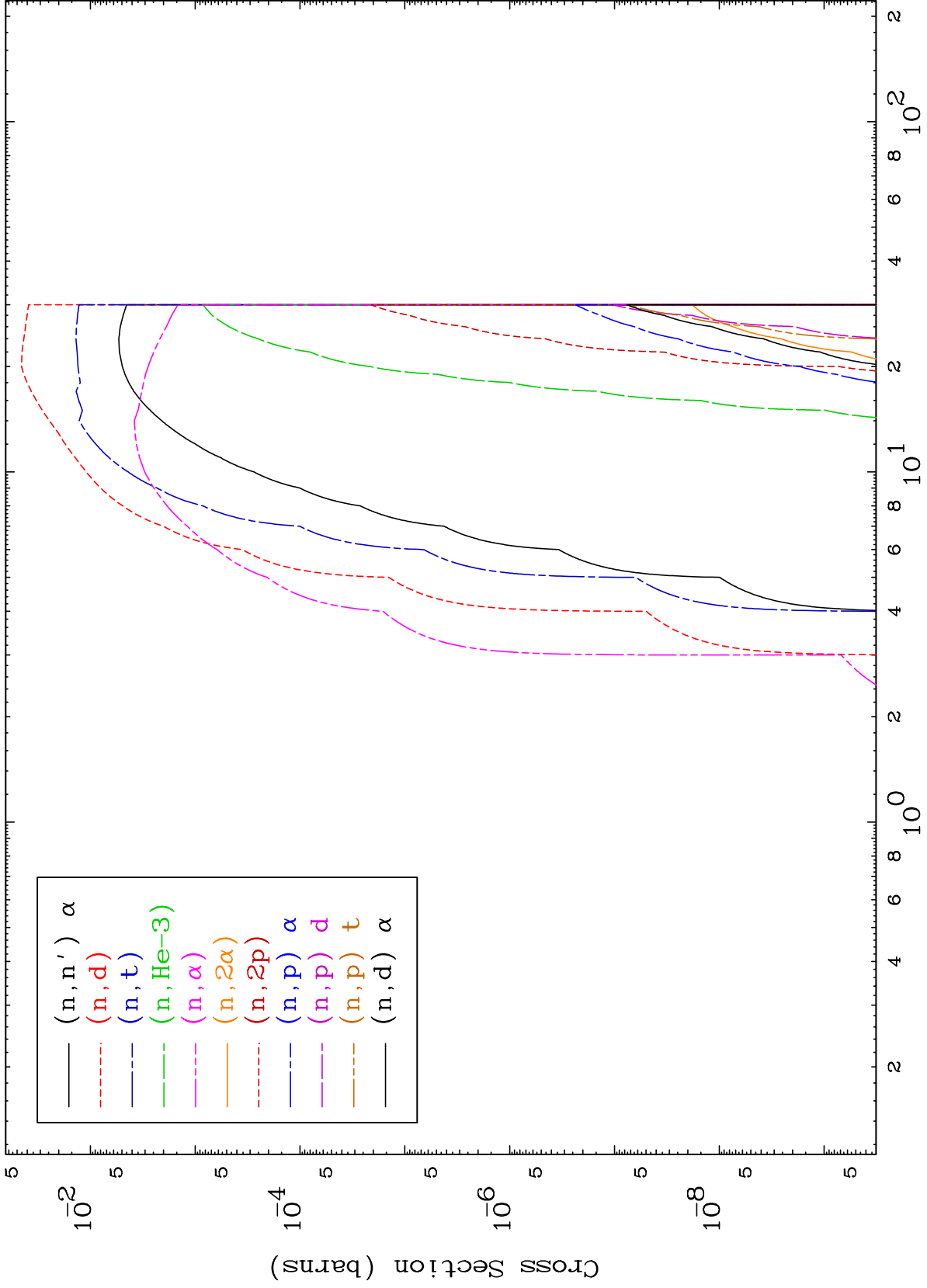




MAT 4049

Deuteron Charged Particle  
0 Kelvin Cross Sections

40-Zr-98

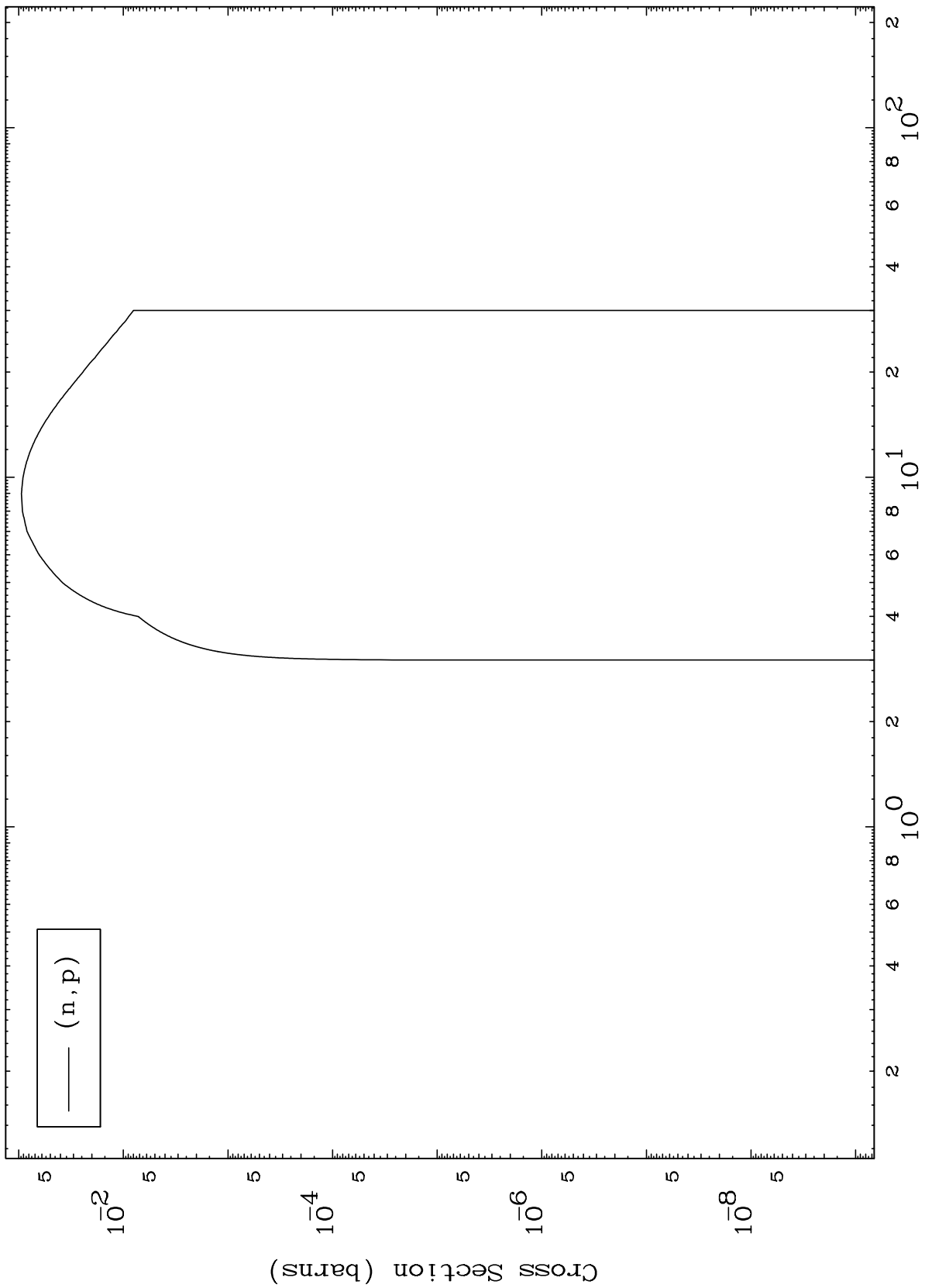


MAT 4049

(d,p) Levels

40-Zr-98

0 Kelvin Cross Sections

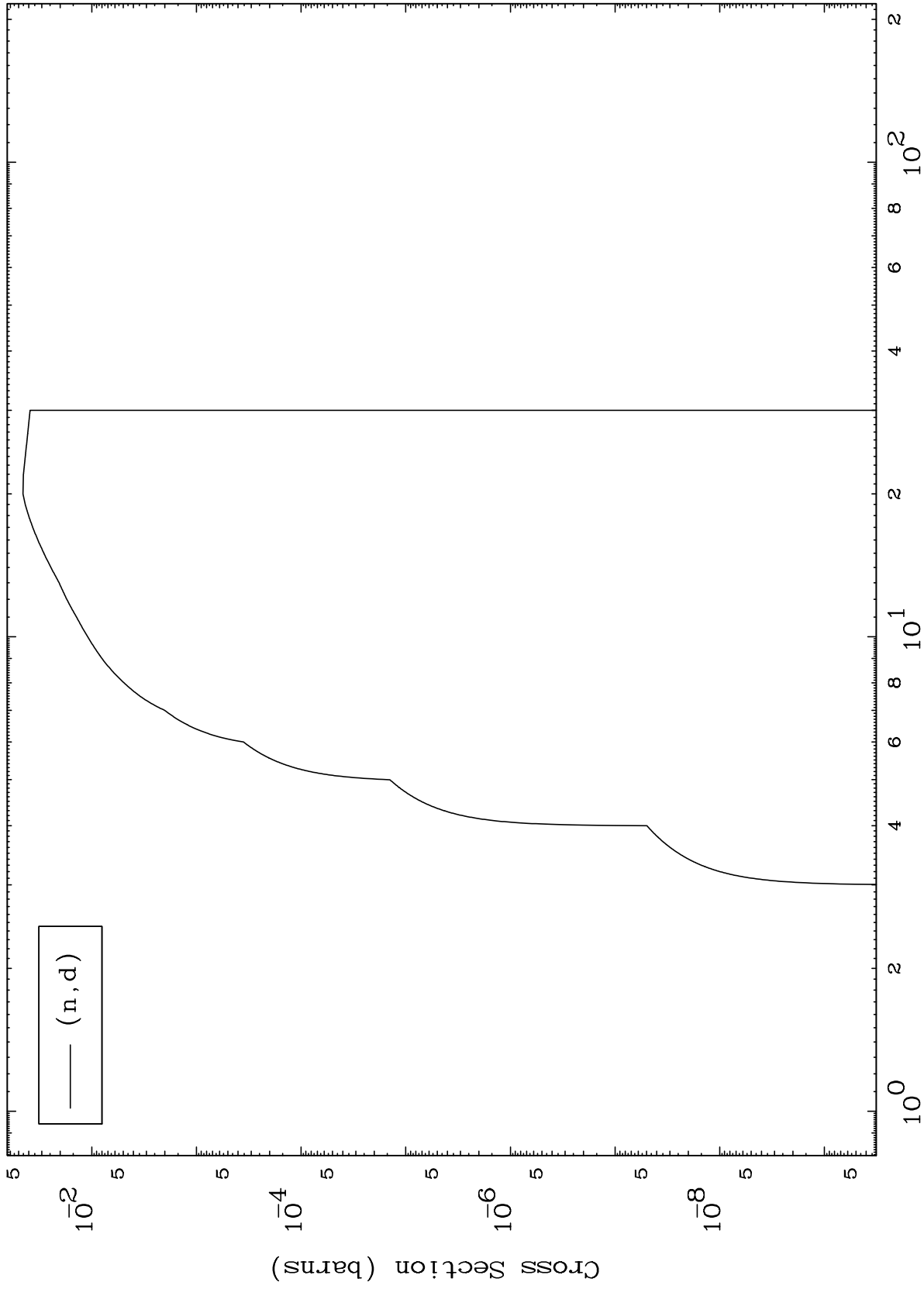


MAT 4049

(d,d) Levels

40-Zr-98

0 Kelvin Cross Sections



8

Incident Energy (MeV)

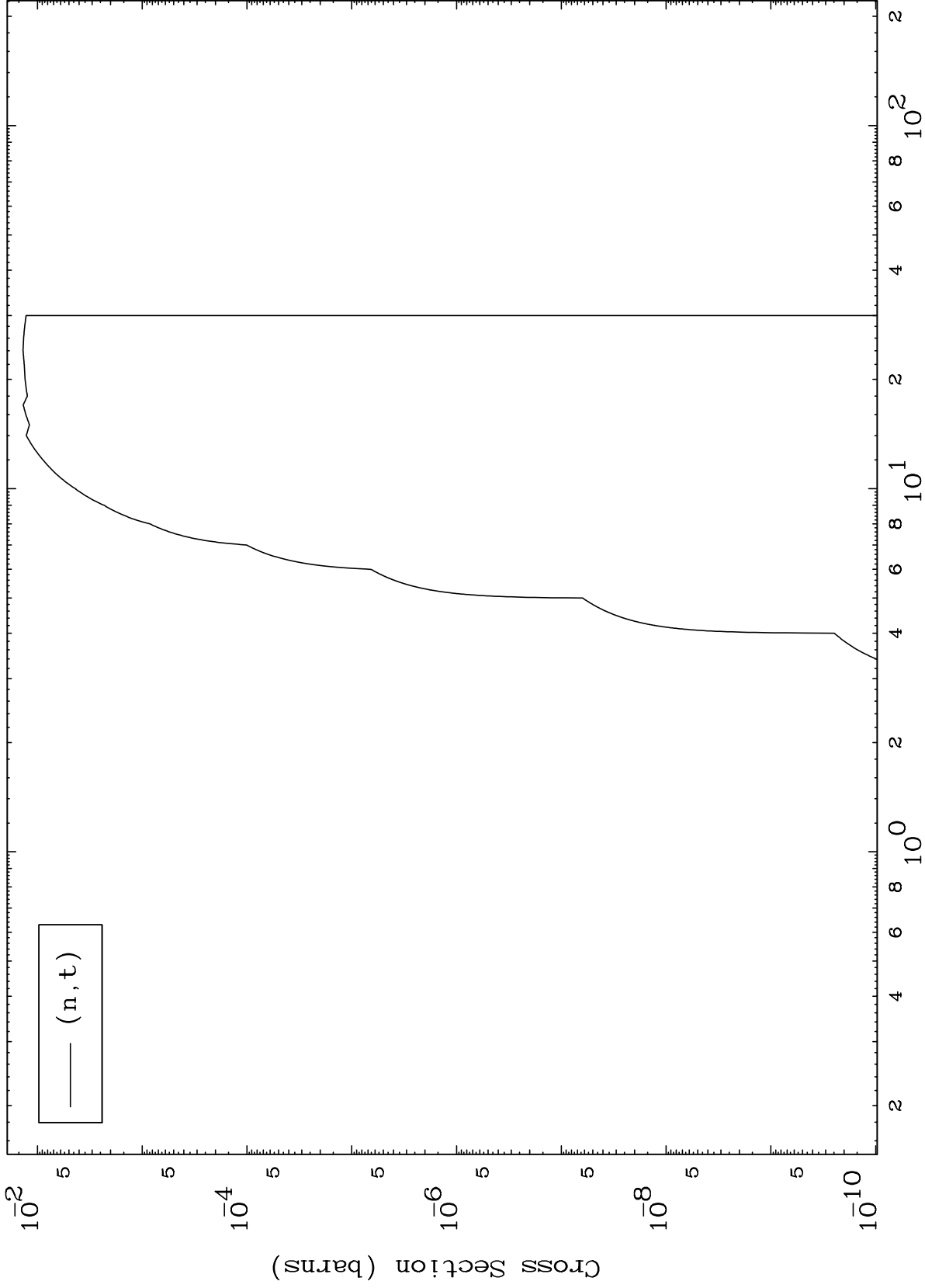
40-Zr-98

MAT 4049

(d, t) Levels

40-Zr-98

0 Kelvin Cross Sections



(n, t)

Incident Energy (MeV)

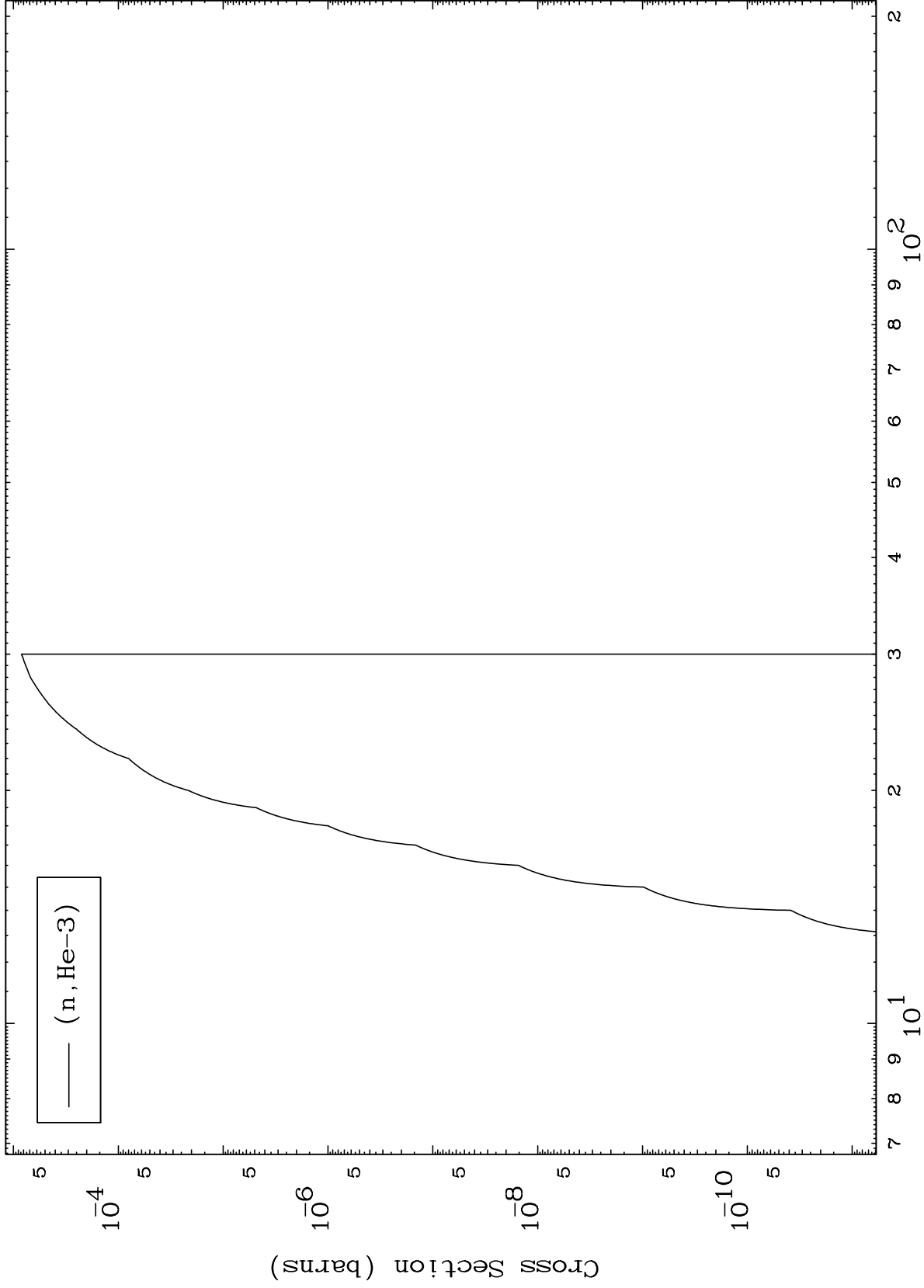
40-Zr-98

9

MAT 4049

(d,He3) Levels  
0 Kelvin Cross Sections

40-Zr-98



10

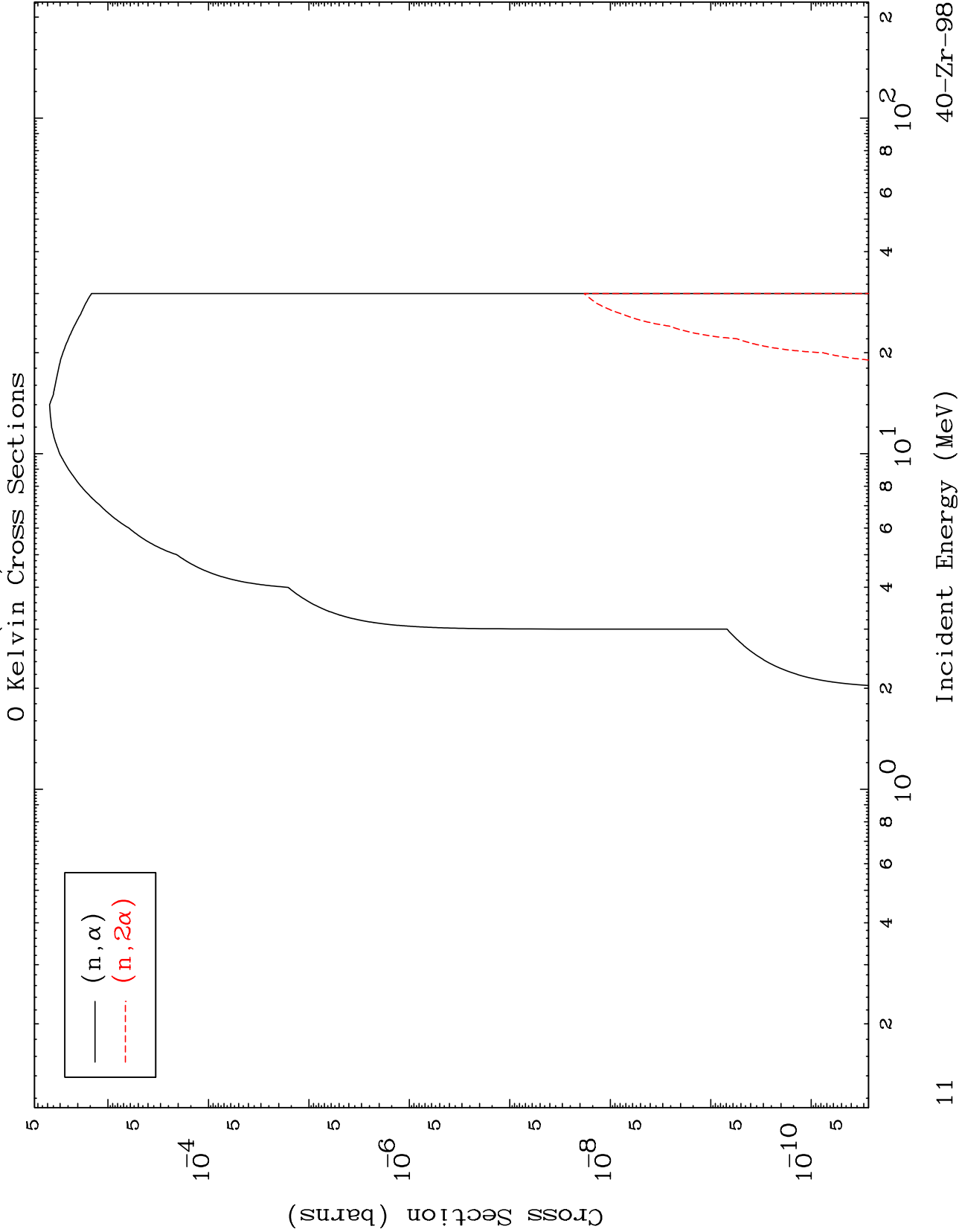
Incident Energy (MeV)

40-Zr-98

MAT 4049

(d,  $\alpha$ ) Levels

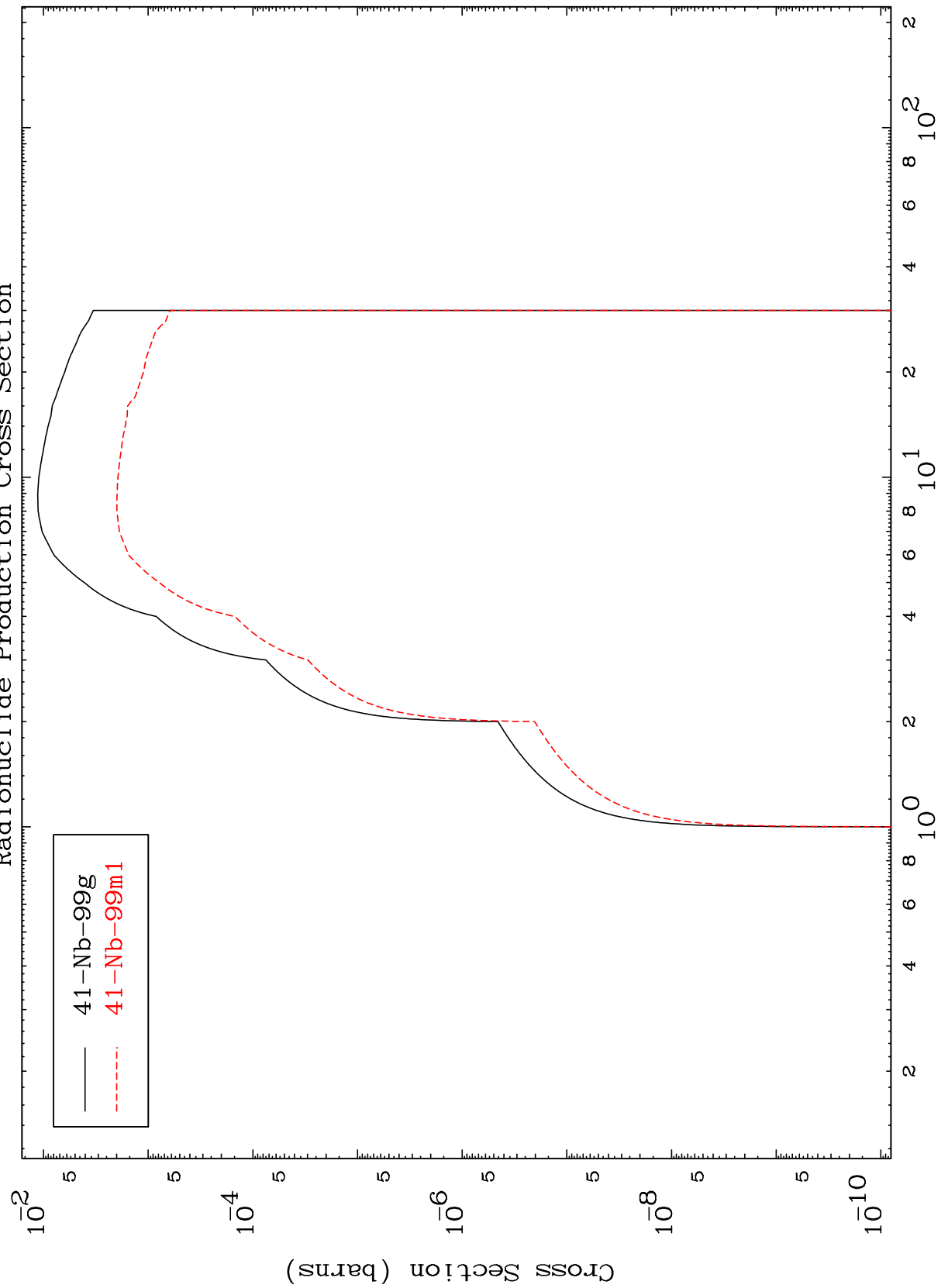
40-Zr-98



MAT 4049

40-Zr-98

Inelastic  
Radionuclide Production Cross Section



40-Zr-98

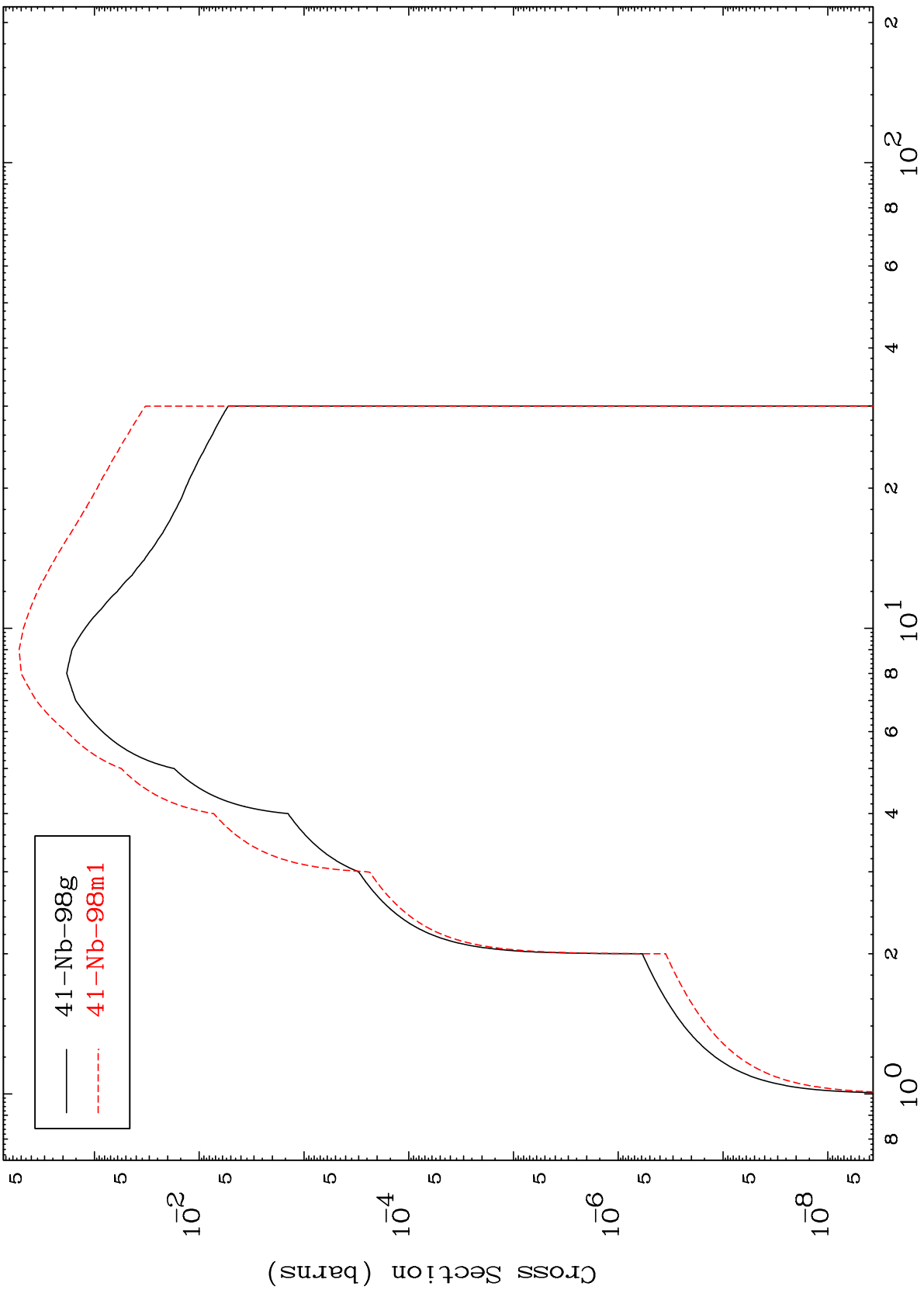
Incident Energy (MeV)

12

MAT 4049

40-Zr-98

(n,2n)  
Radionuclide Production Cross Section



— 41-Nb-98g  
- - - 41-Nb-98m1

13

Incident Energy (MeV)

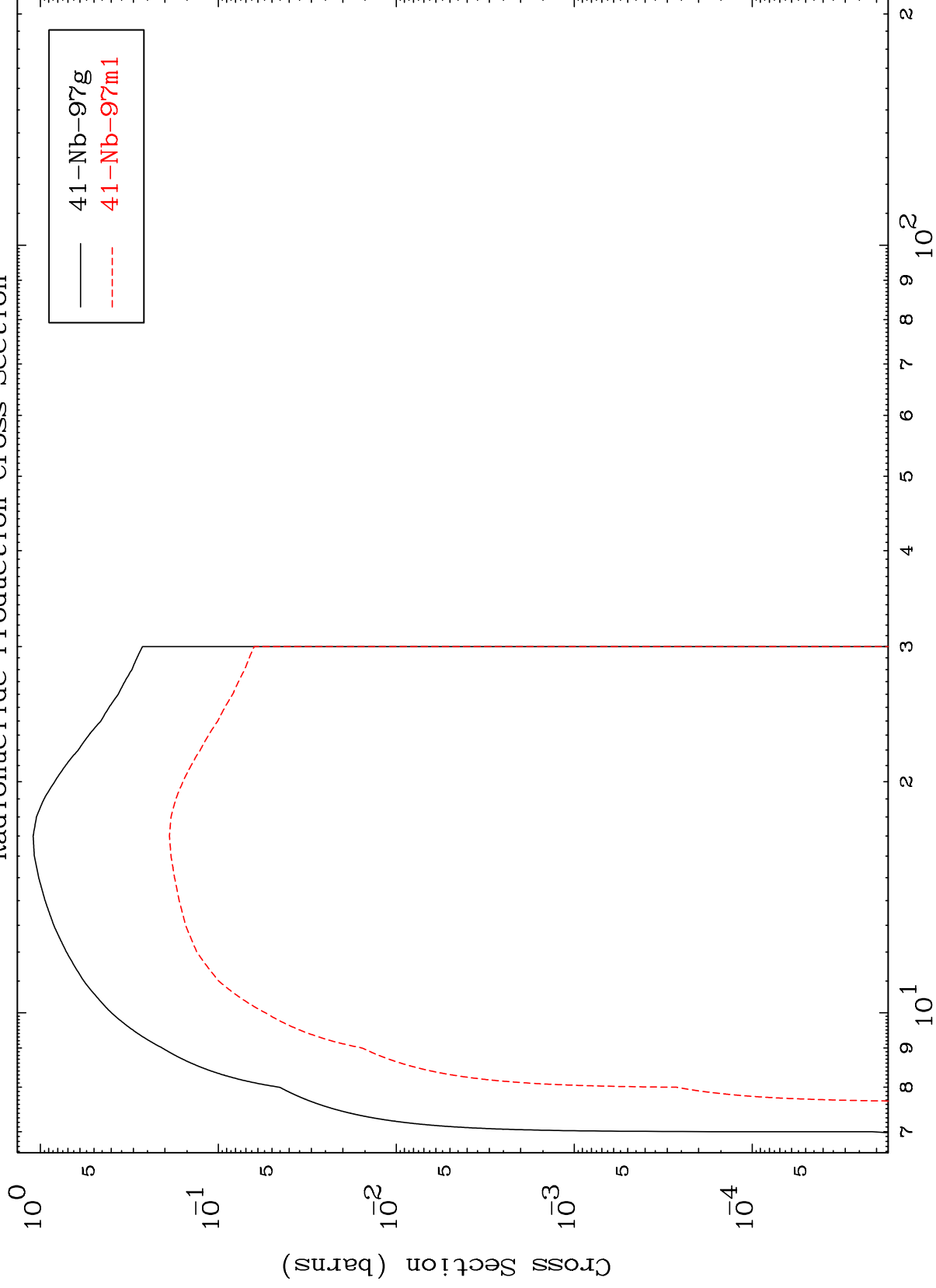
40-Zr-98

MAT 4049

(n,3n)

40-Zr-98

Radionuclide Production Cross Section



14

Incident Energy (MeV)

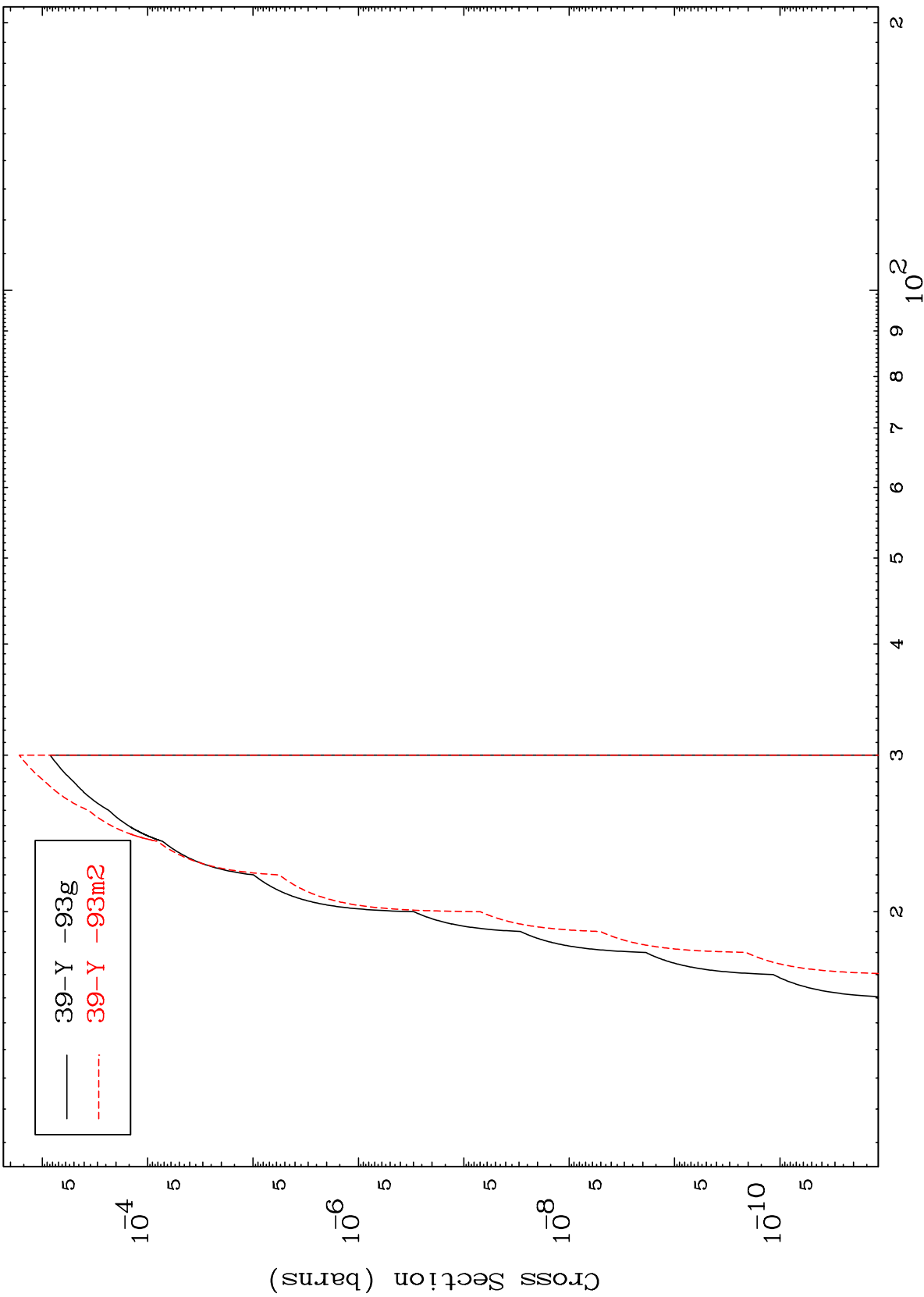
40-Zr-98

MAT 4049

(n,3n)  $\alpha$

40-Zr-98

Radionuclide Production Cross Section



15

Incident Energy (MeV)

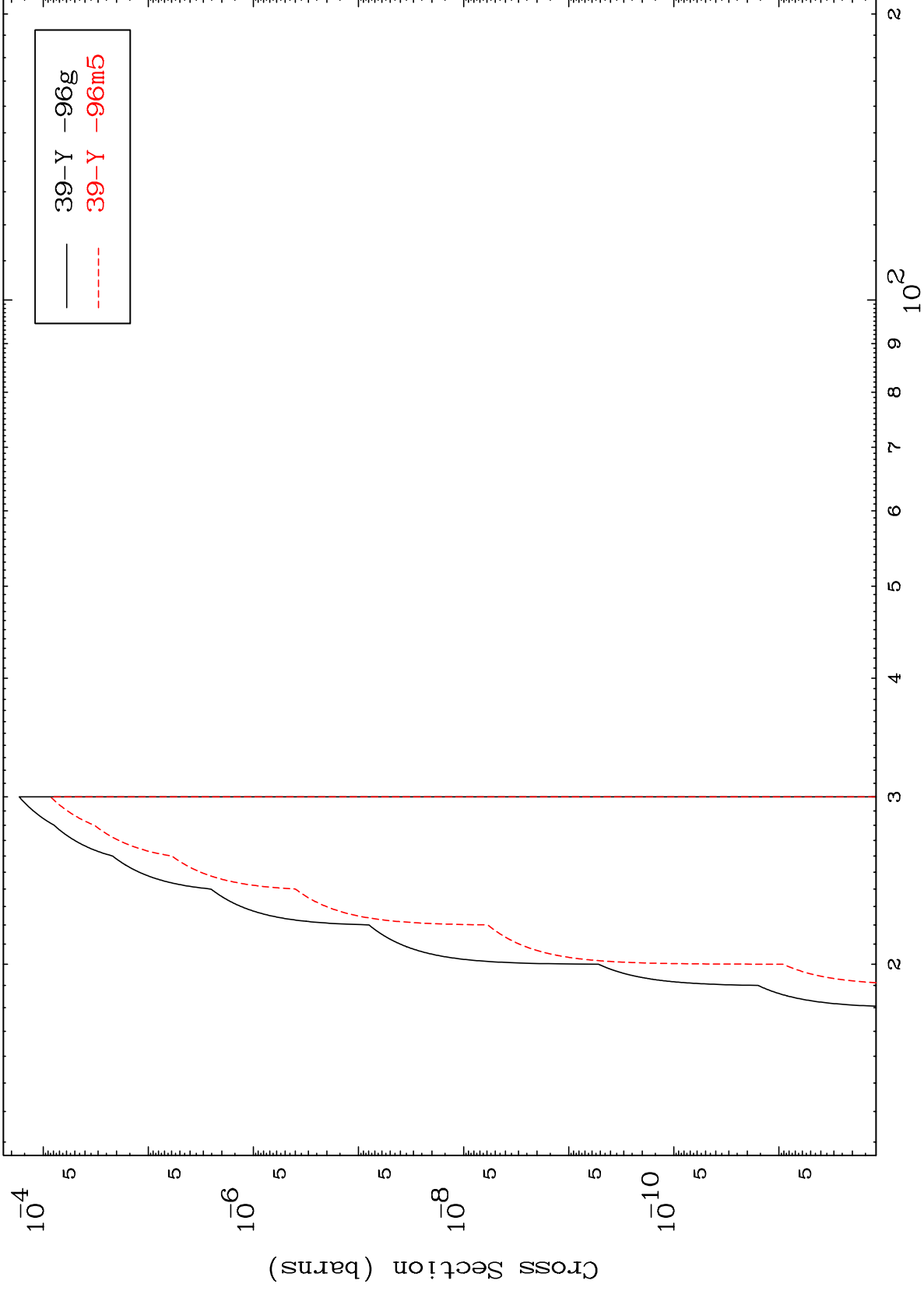
40-Zr-98

MAT 4049

(n,n') He-3

40-Zr-98

Radionuclide Production Cross Section



16

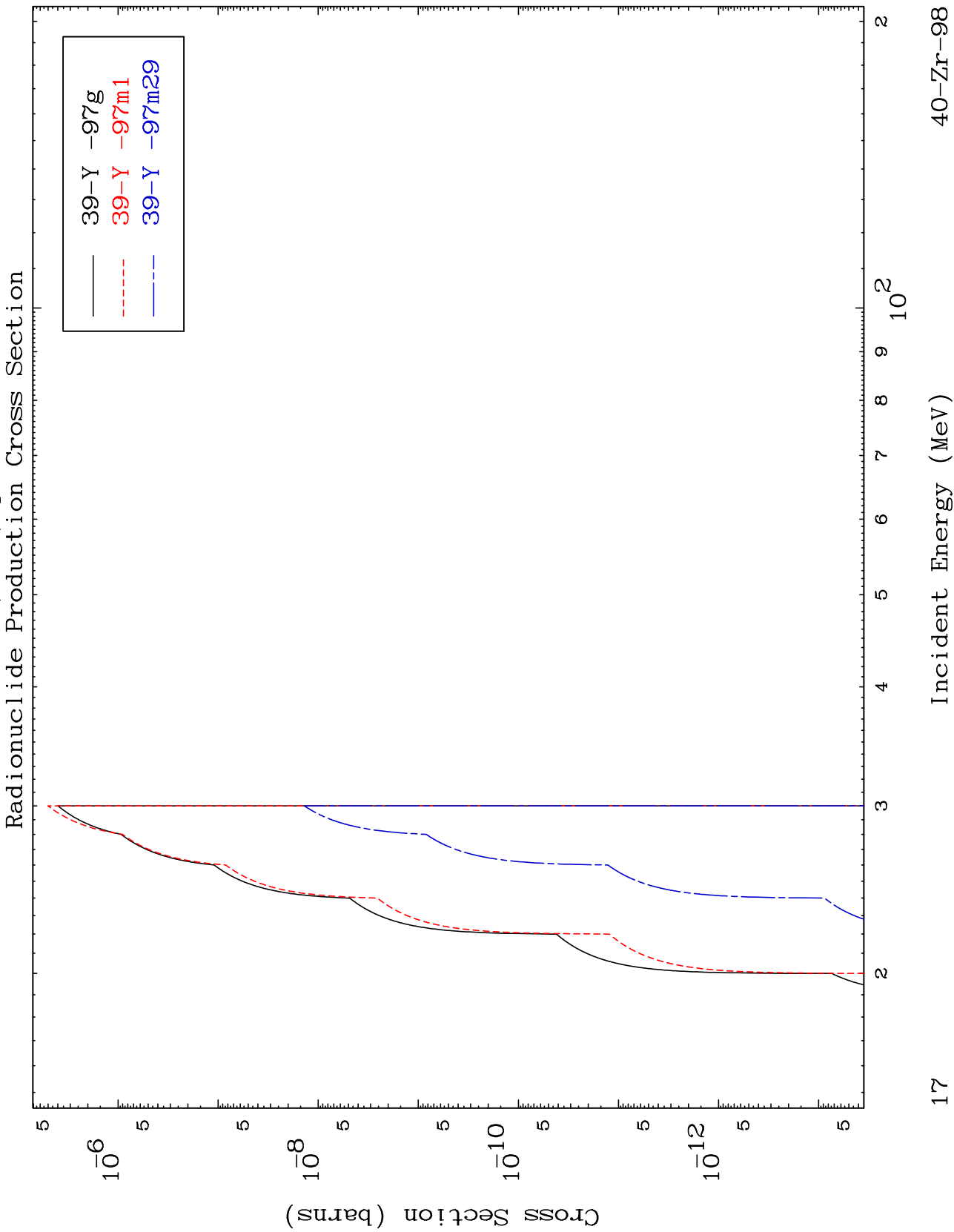
Incident Energy (MeV)

40-Zr-98

MAT 4049

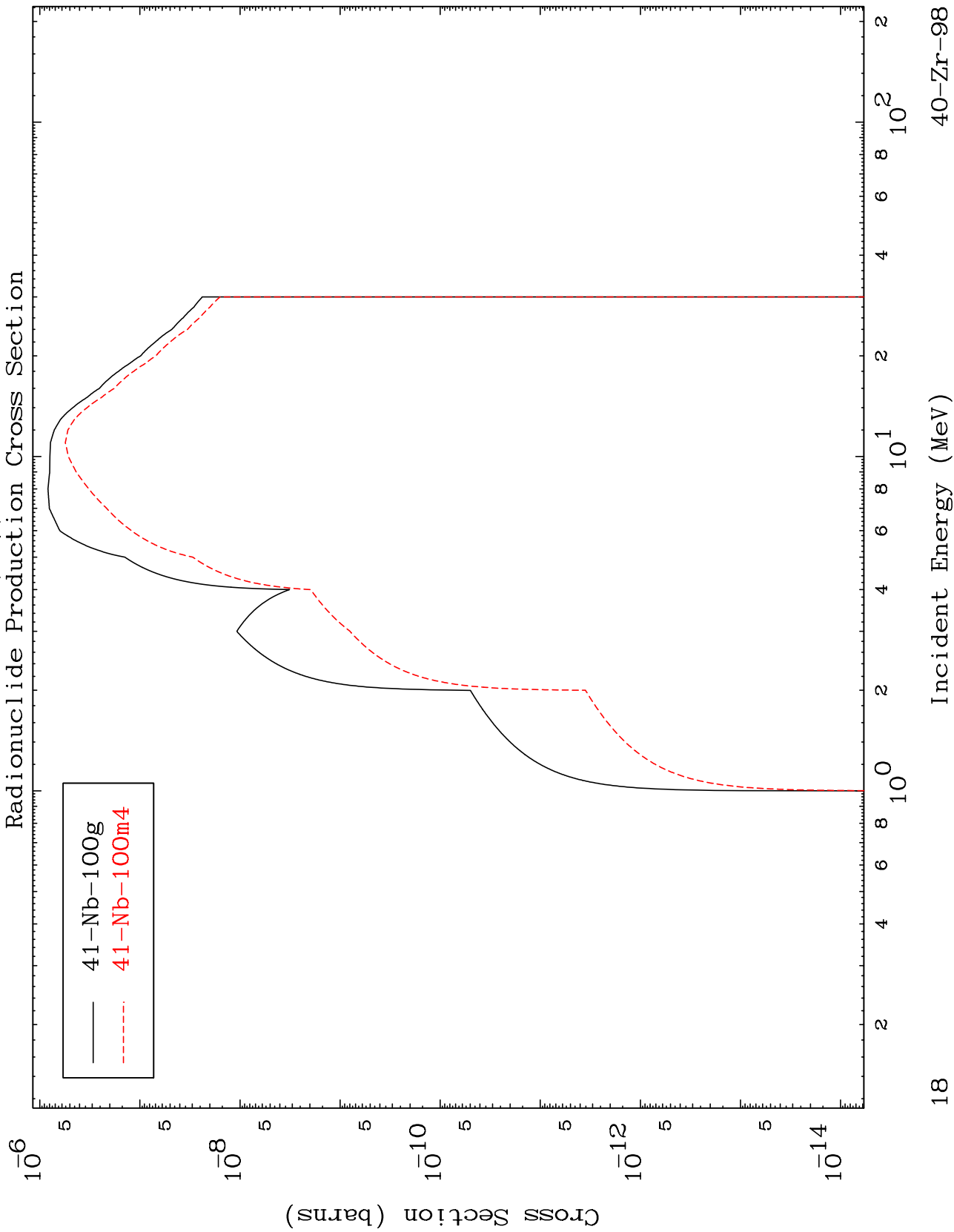
(n,2n) p

40-Zr-98



MAT 4049

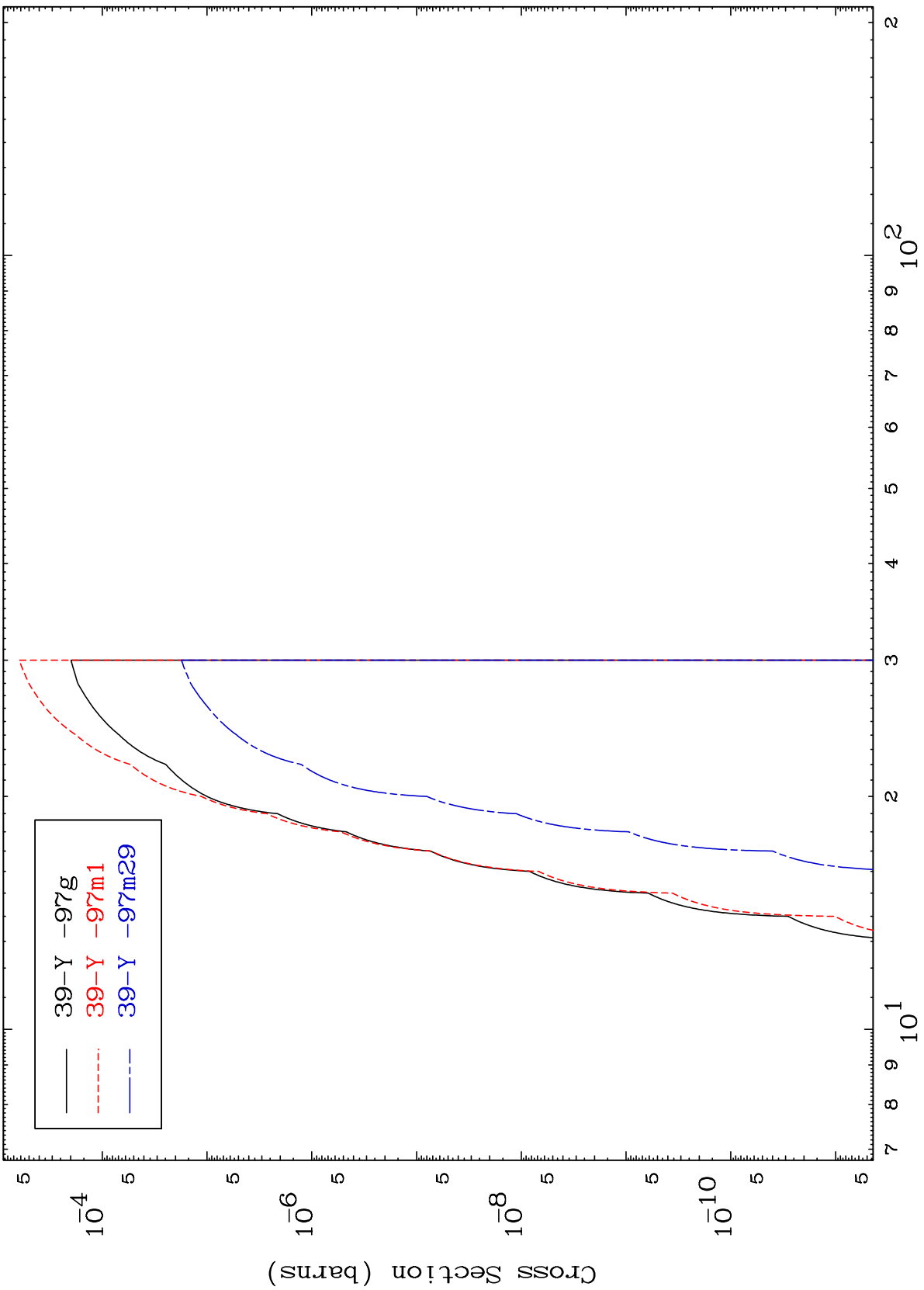
40-Zr-98



MAT 4049

40-Zr-98

(n,He-3)  
Radionuclide Production Cross Section



19

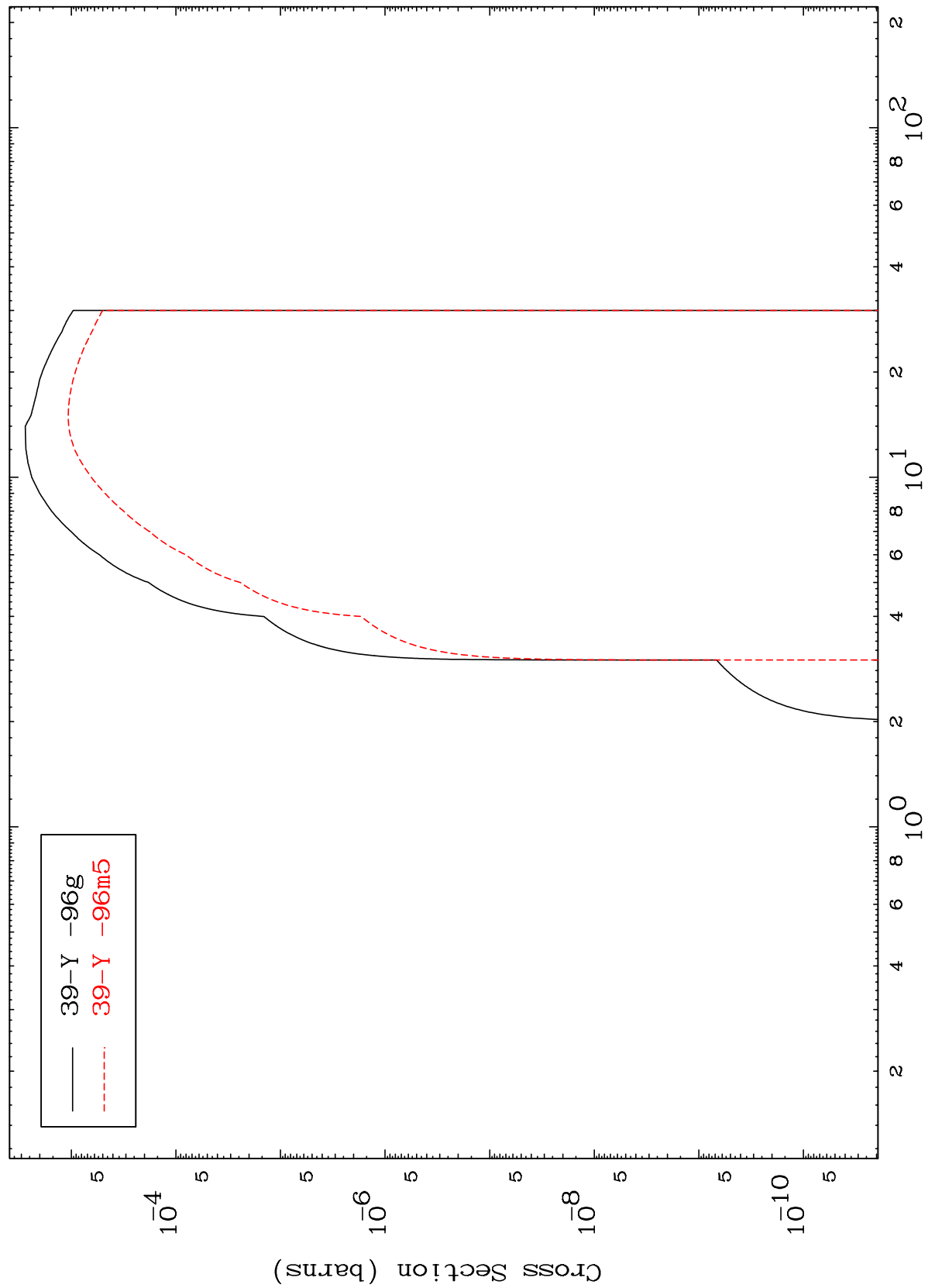
Incident Energy (MeV)

40-Zr-98

MAT 4049

40-Zr-98

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



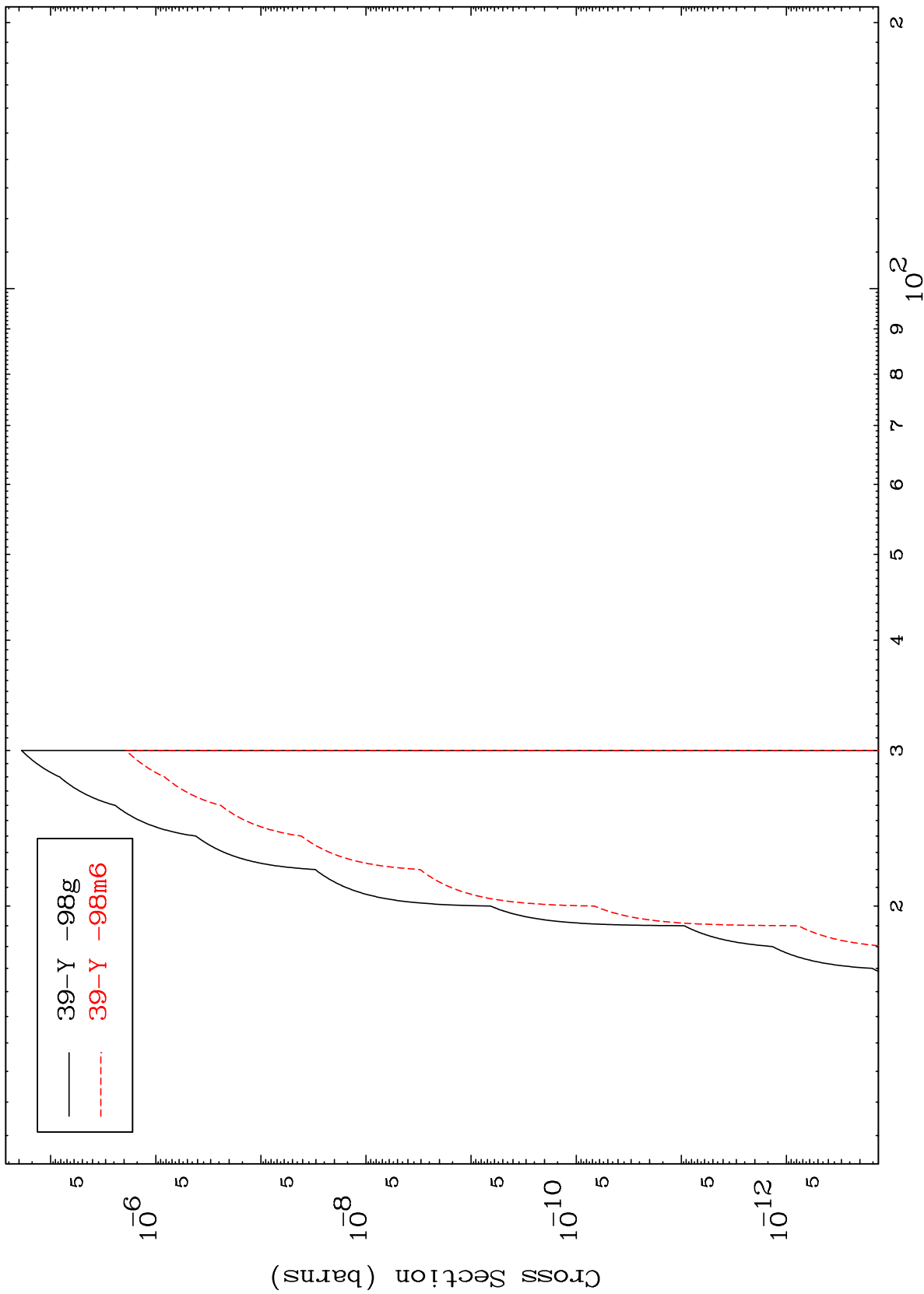
20

40-Zr-98

MAT 4049

40-Zr-98

(n,2p)  
Radionuclide Production Cross Section

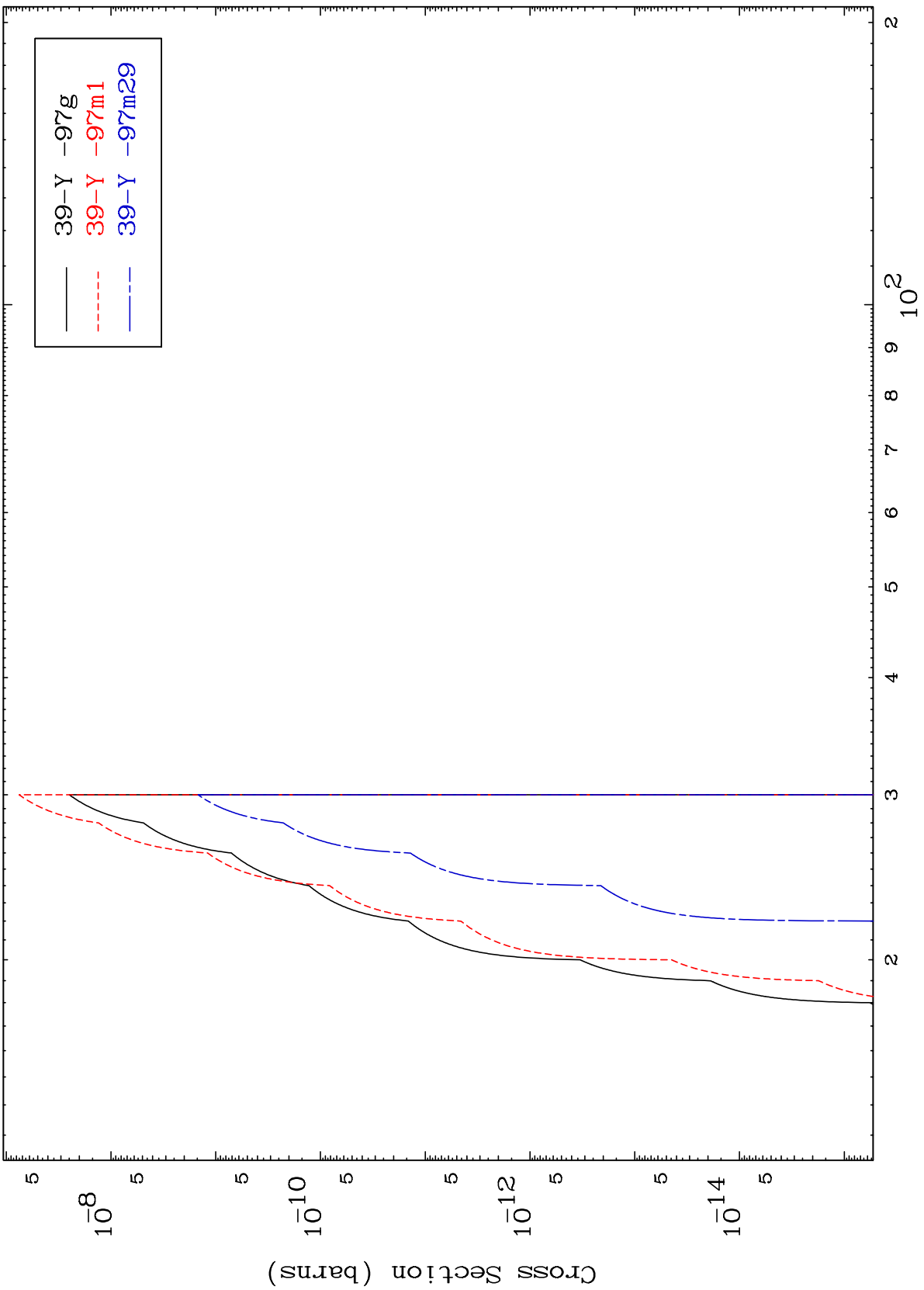


MAT 4049

(n,p) d

40-Zr-98

Radionuclide Production Cross Section



22

Incident Energy (MeV)

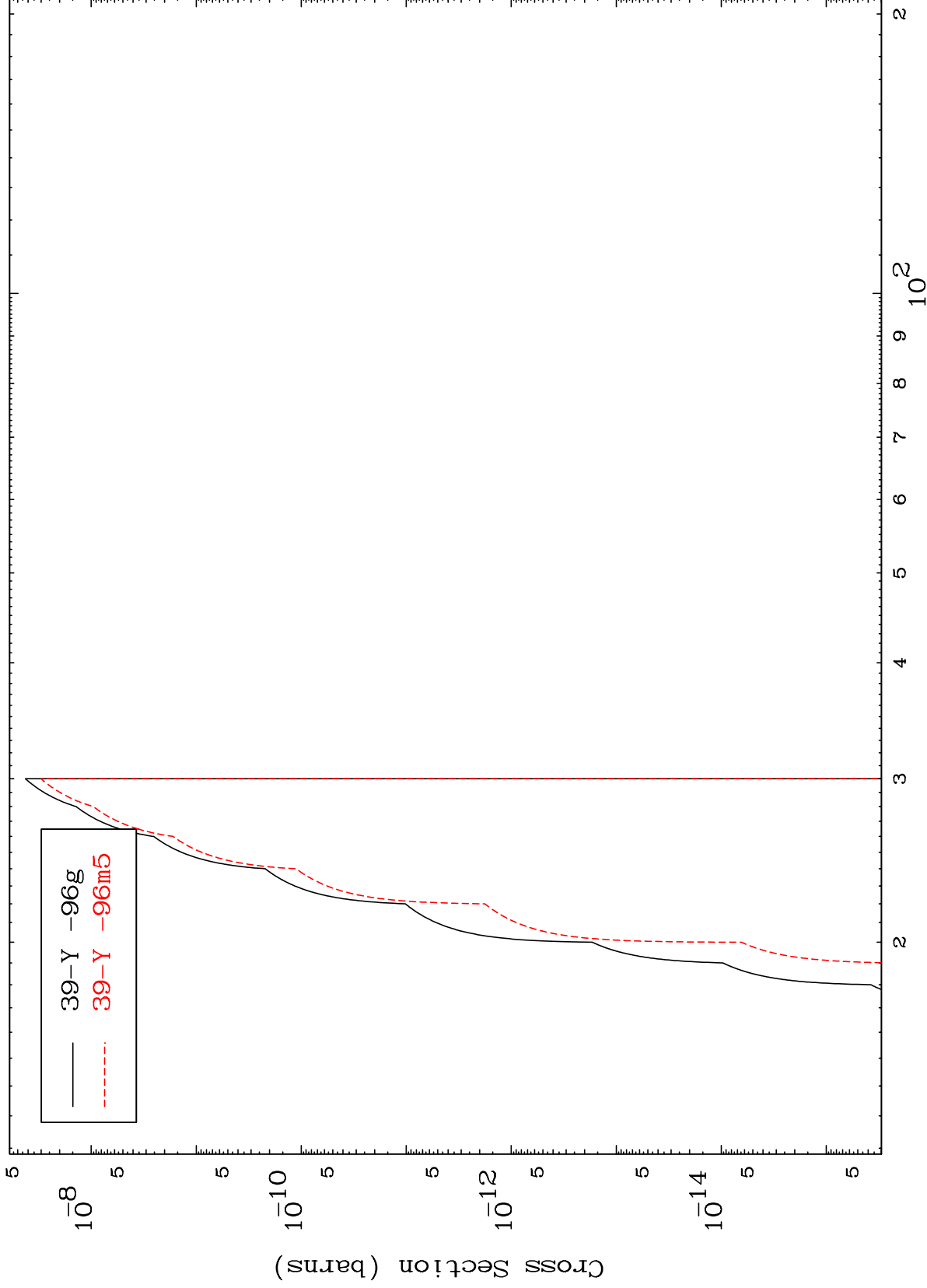
40-Zr-98

MAT 4049

(n,p) t

40-Zr-98

Radionuclide Production Cross Section



23

Incident Energy (MeV)

40-Zr-98