

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

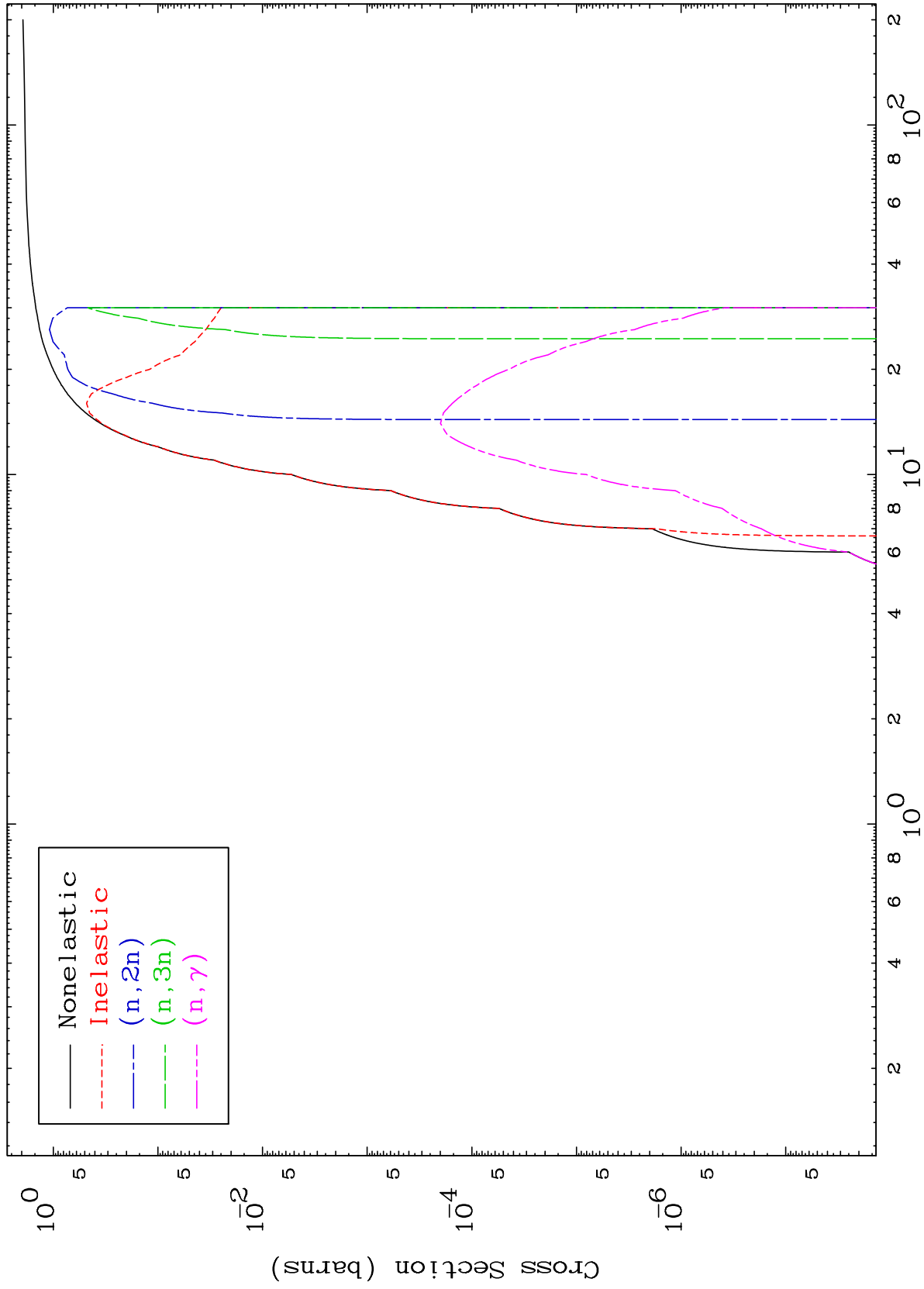
Press Mouse Button to Start

MAT 4031

0 Kelvin

$\alpha$  Major Cross Sections

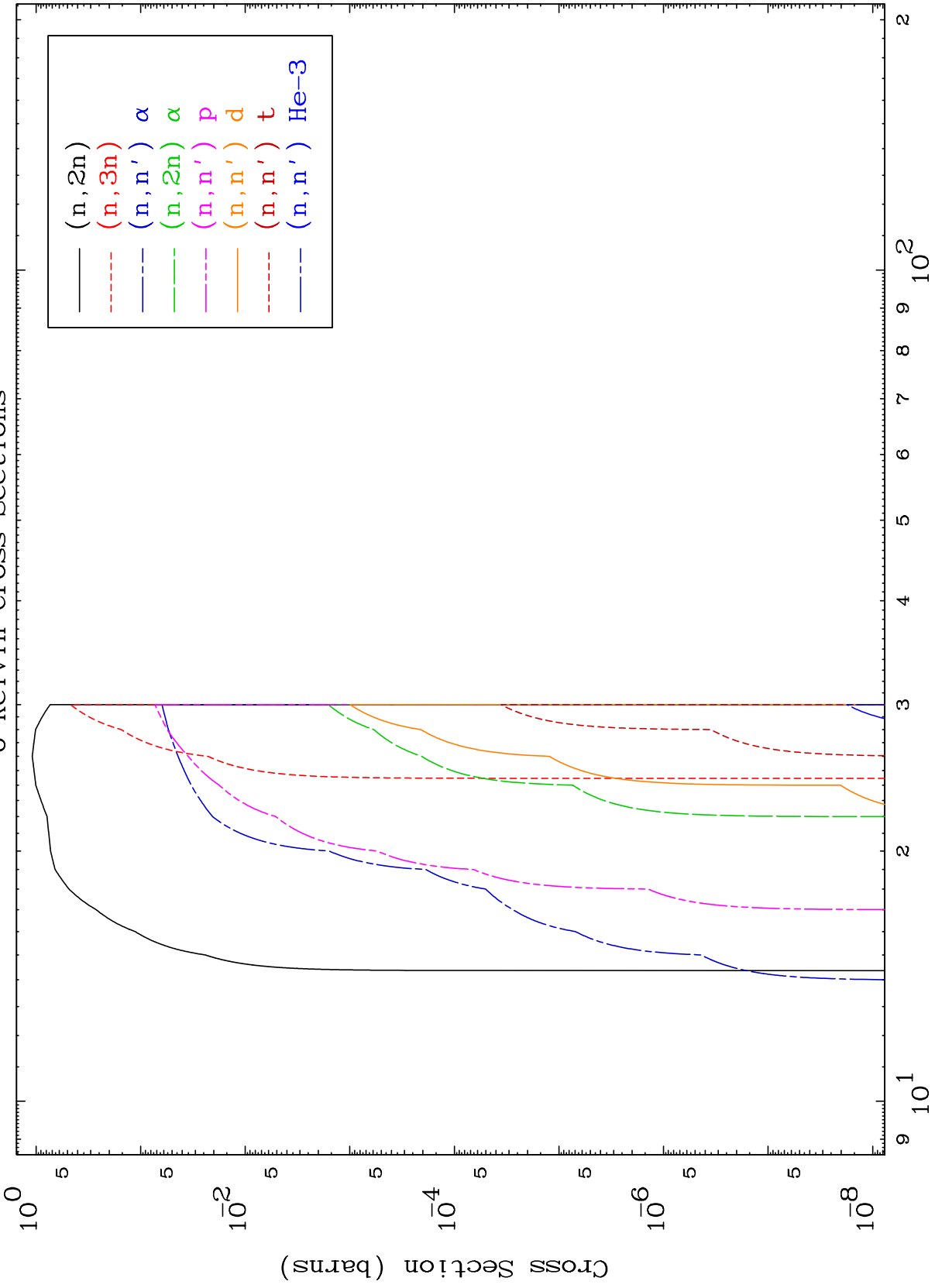
40-Zr-92



MAT 4031

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

40-Zr-92



2

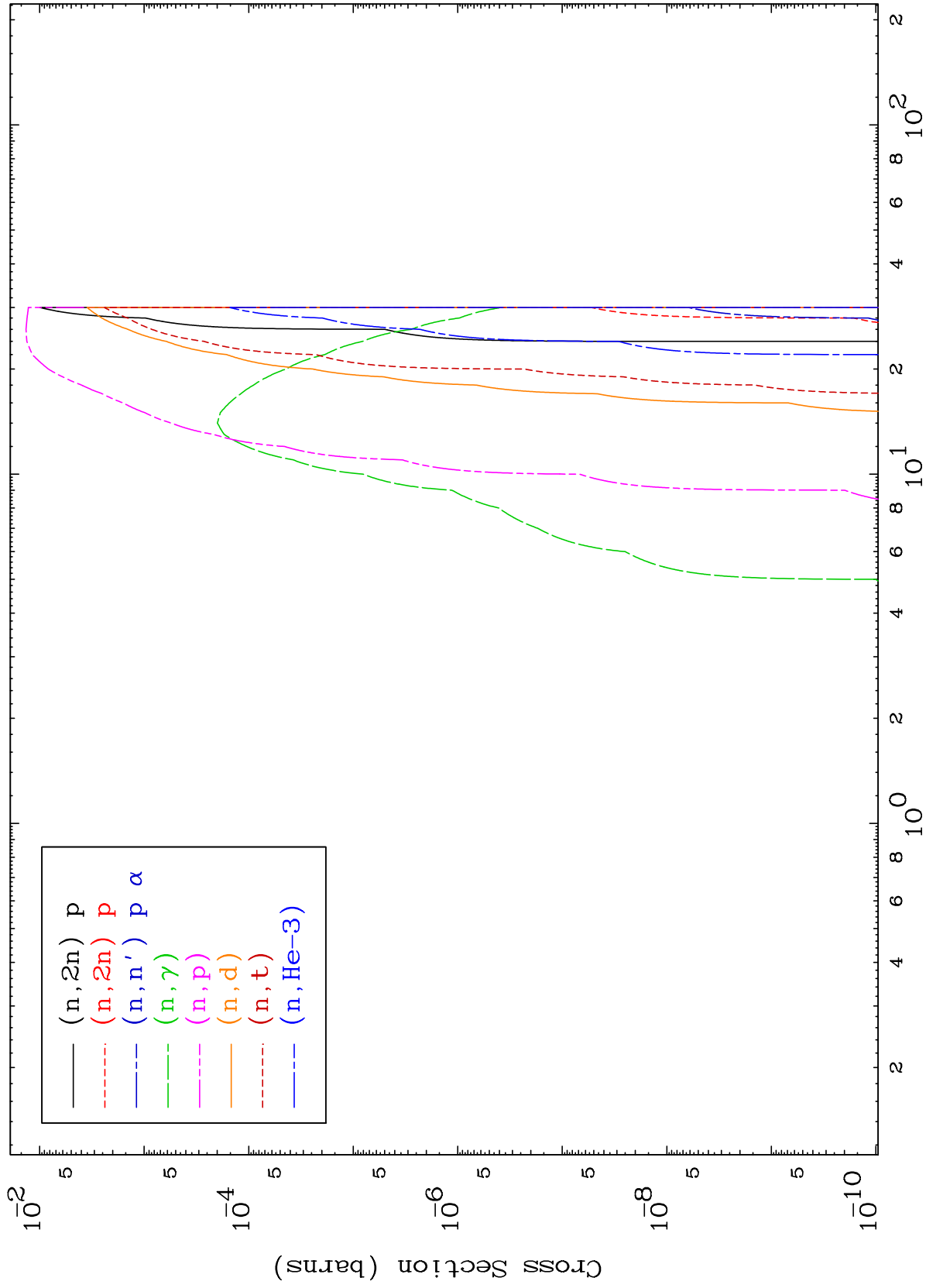
Incident Energy (MeV)

40-Zr-92

MAT 4031

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

40-Zr-92



3

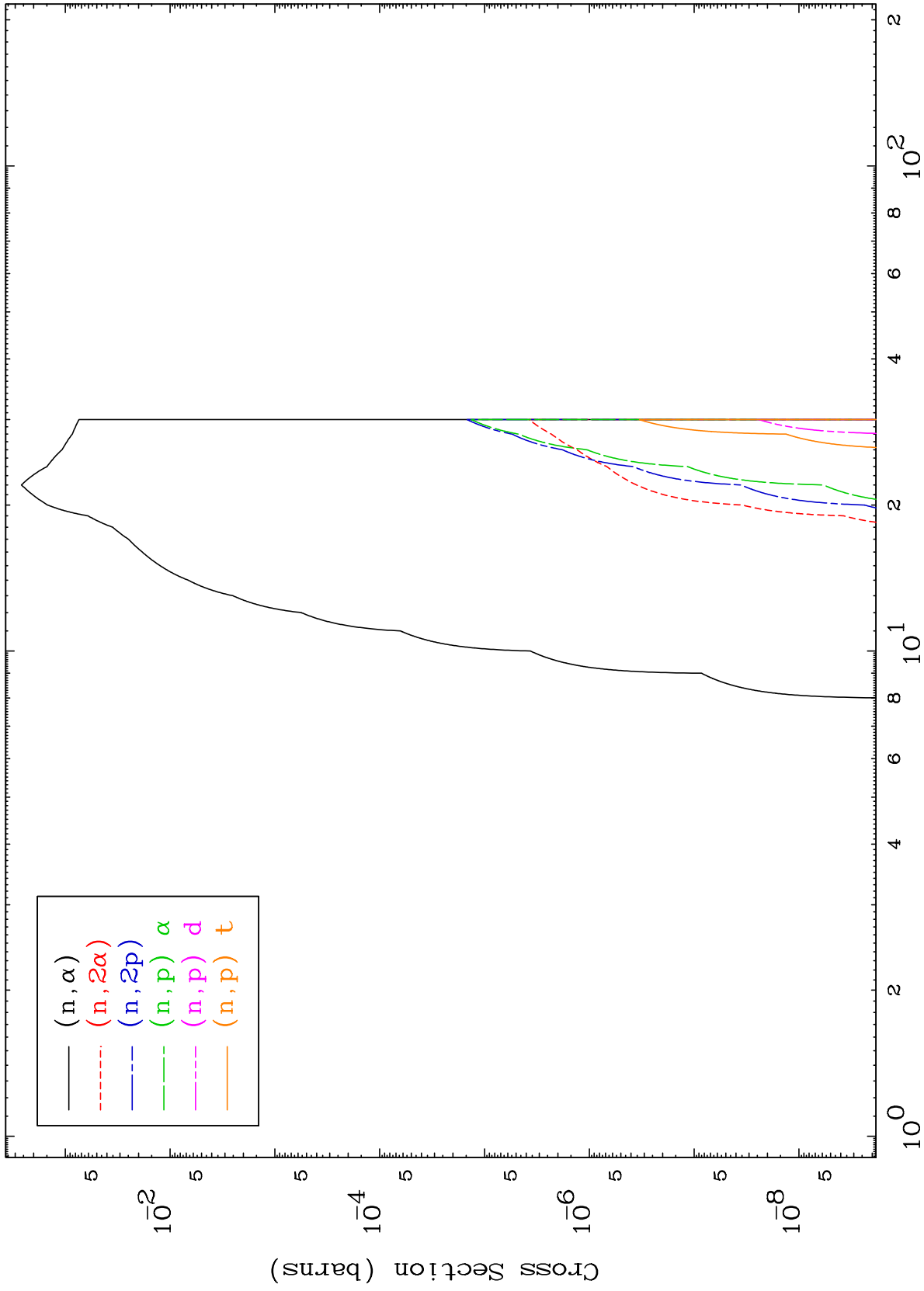
Incident Energy (MeV)

40-Zr-92

MAT 4031

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

40-Zr-92



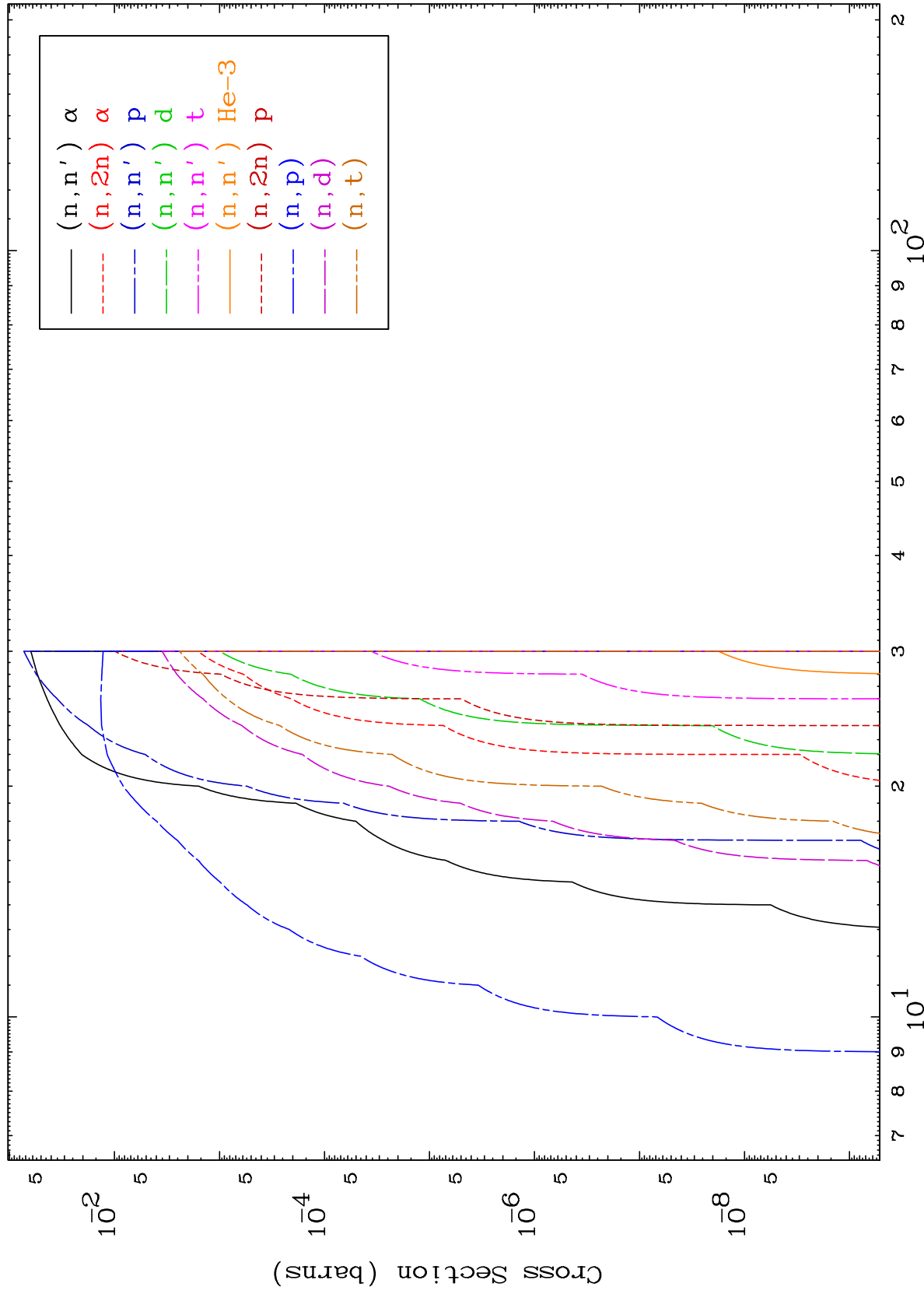
Incident Energy (MeV)

40-Zr-92

MAT 4031

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

40-Zr-92



5

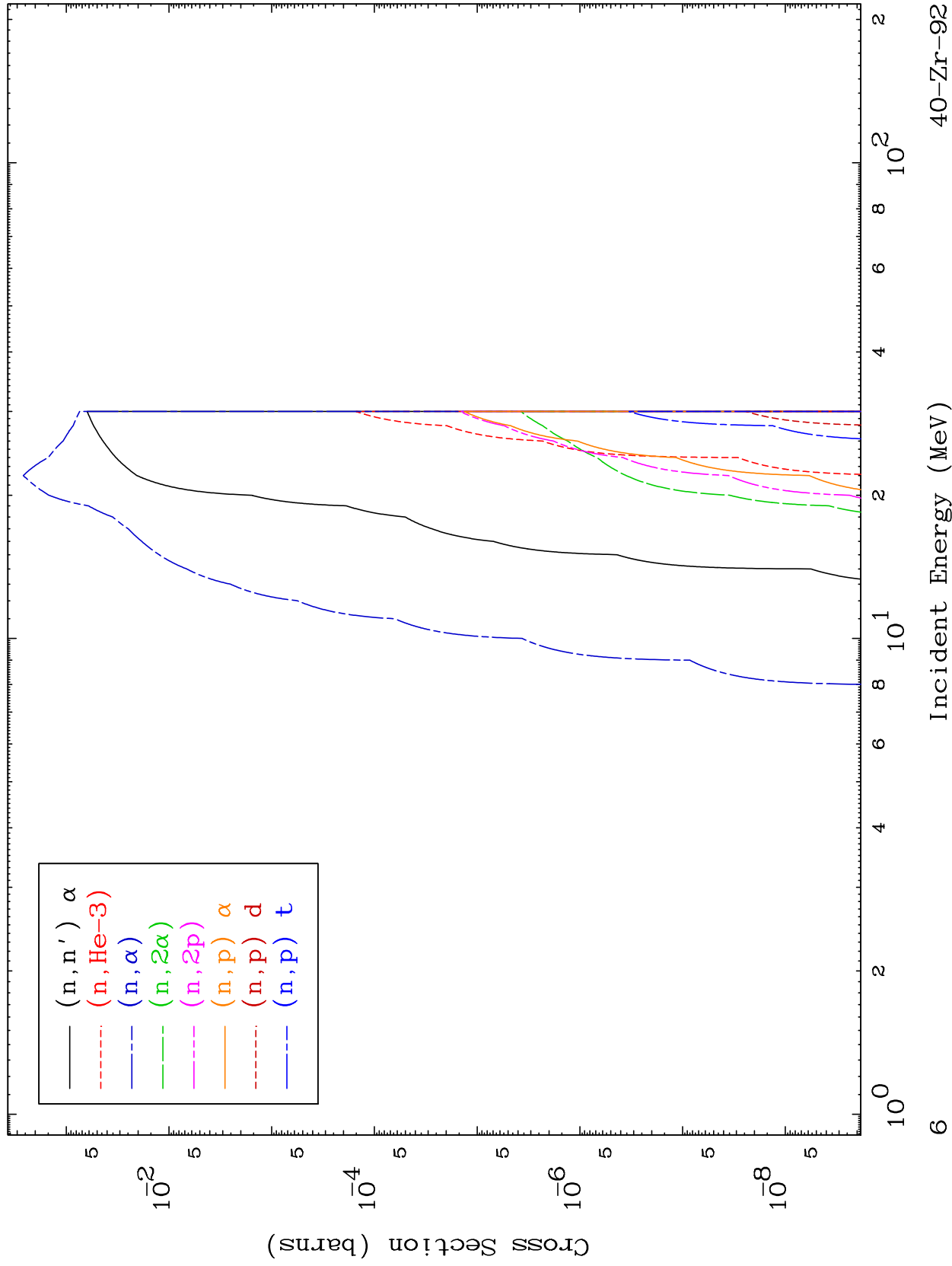
Incident Energy (MeV)

40-Zr-92

MAT 4031

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

40-Zr-92

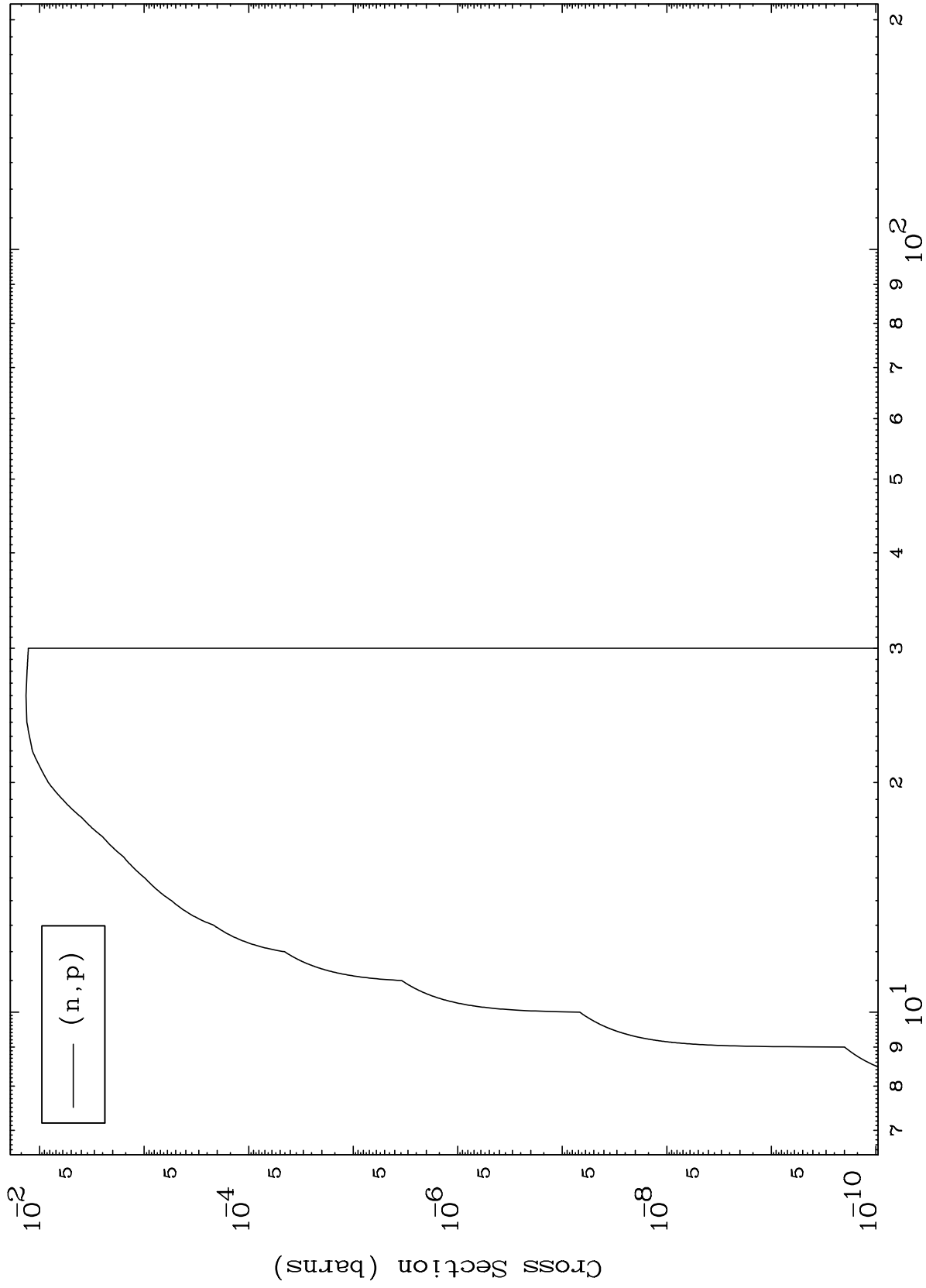


40-Zr-92

MAT 4031

( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections

40-Zr-92



7

Incident Energy (MeV)

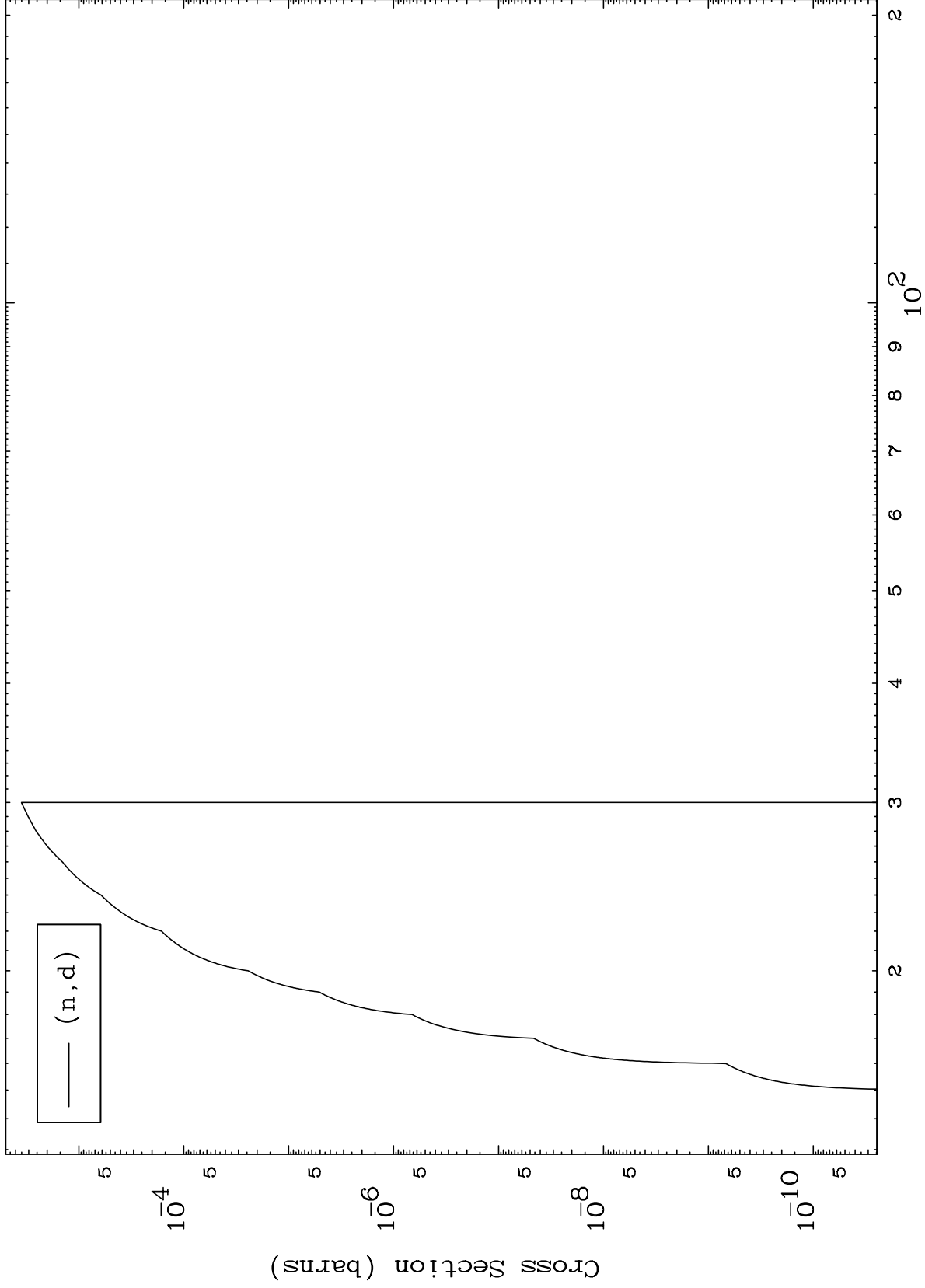
40-Zr-92

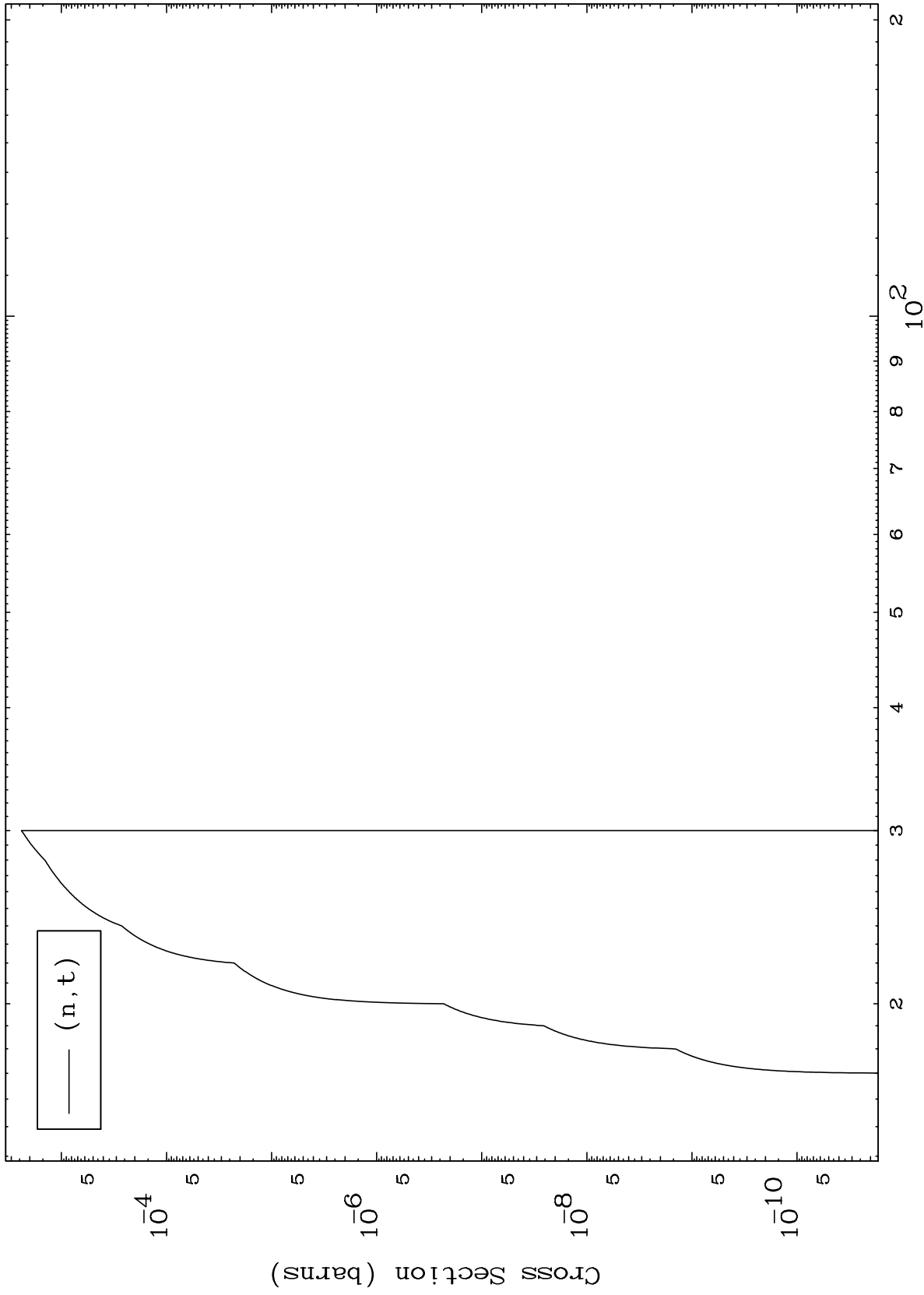


MAT 4031

( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

40-Zr-92

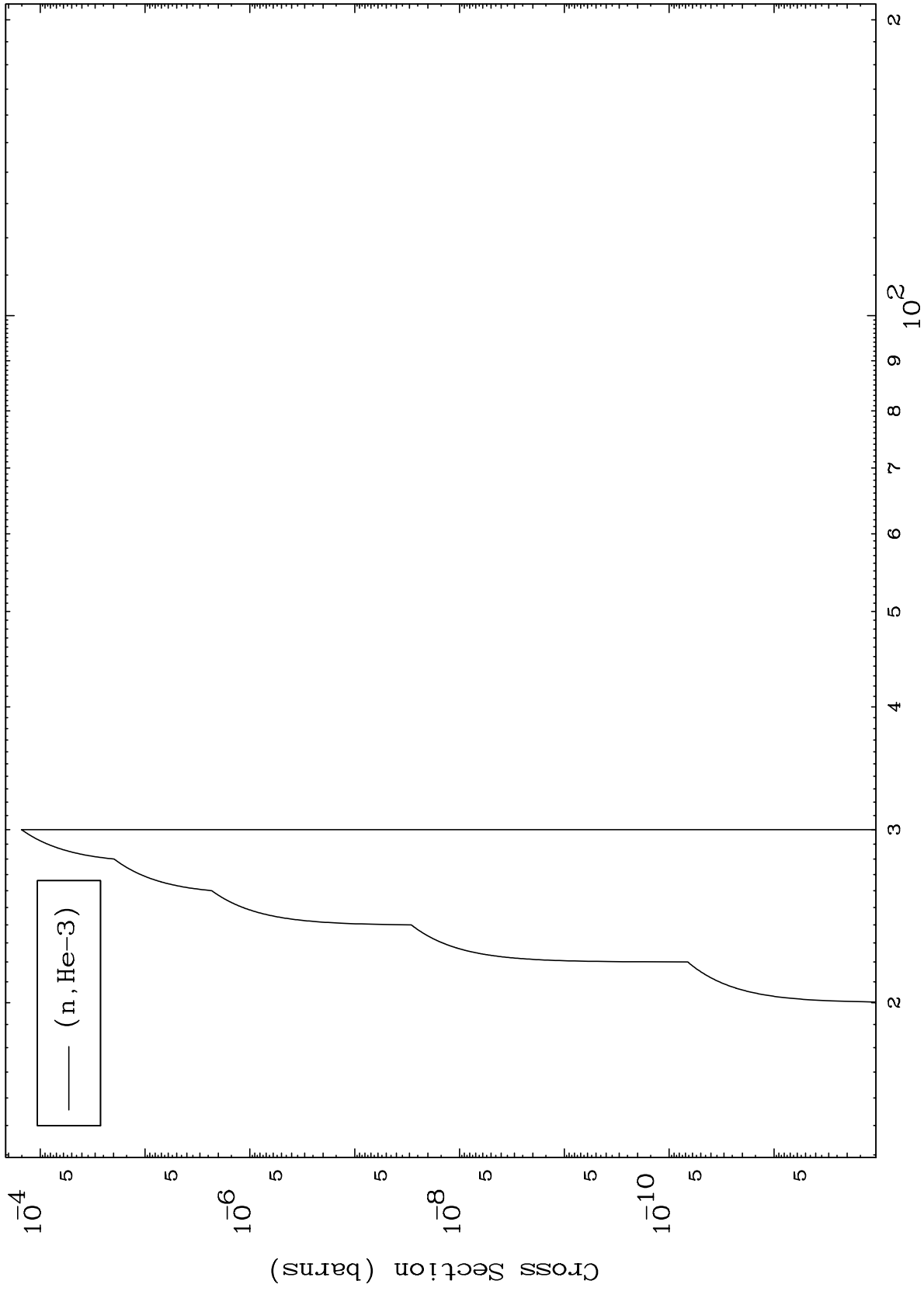




MAT 4031

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

40-Zr-92



10

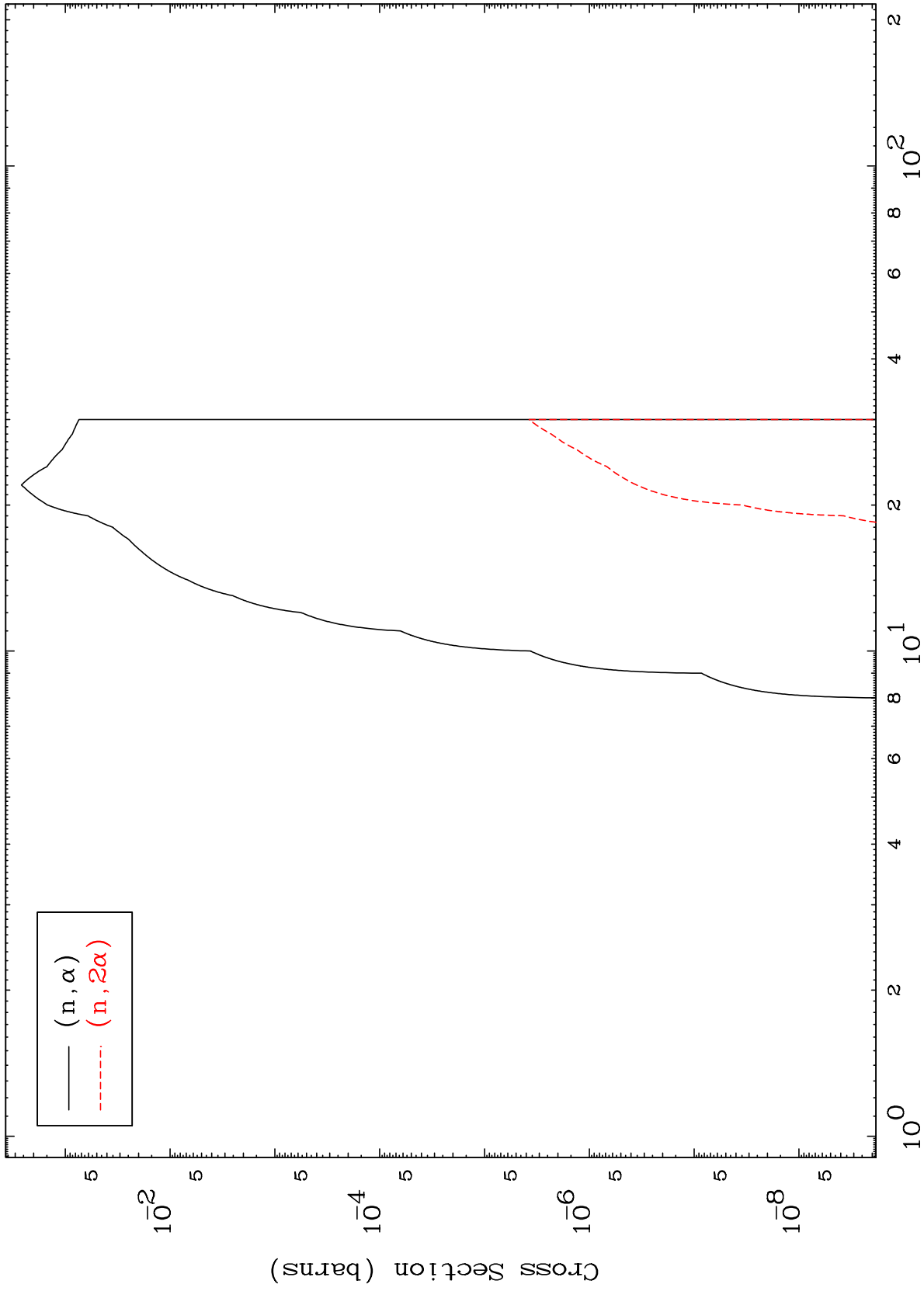
Incident Energy (MeV)

40-Zr-92

MAT 4031

$(\alpha, \alpha)$  Levels  
0 Kelvin Cross Sections

40-Zr-92



11

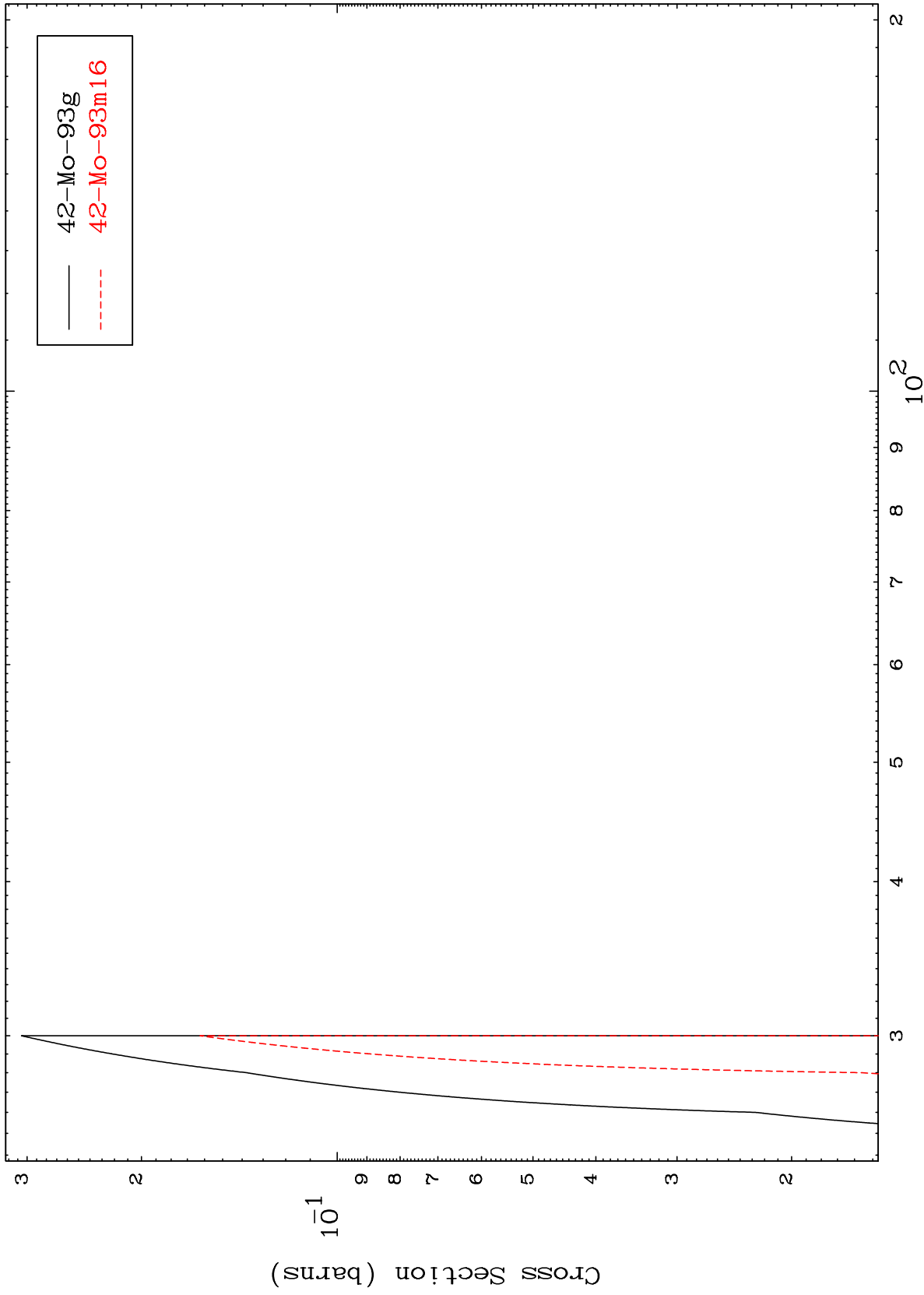
Incident Energy (MeV)

40-Zr-92

MAT 4031

40-Zr-92

(n,3n)  
Radionuclide Production Cross Section



12

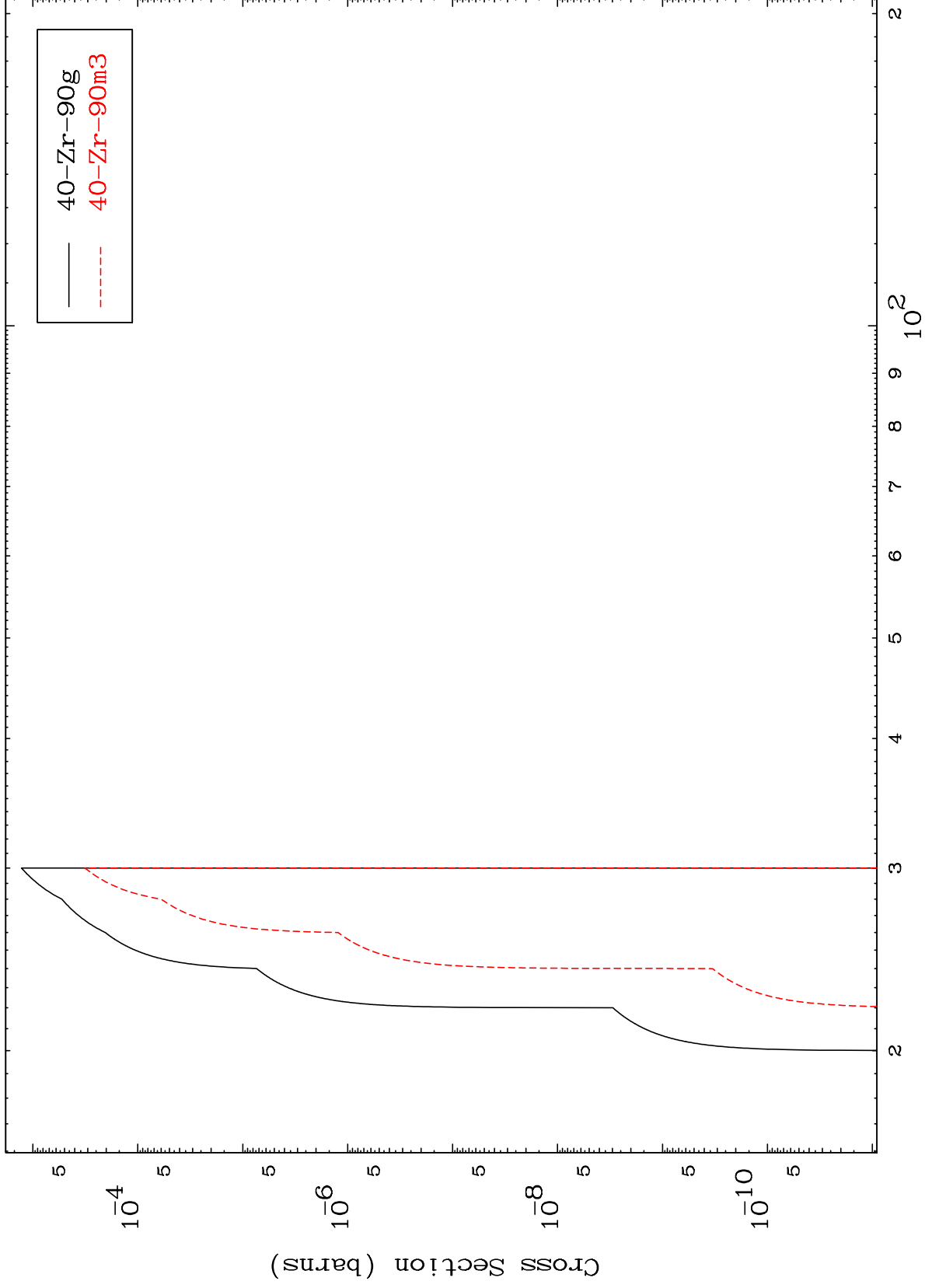
40-Zr-92

MAT 4031

(n,2n)  $\alpha$

40-Zr-92

Radionuclide Production Cross Section



13

Incident Energy (MeV)

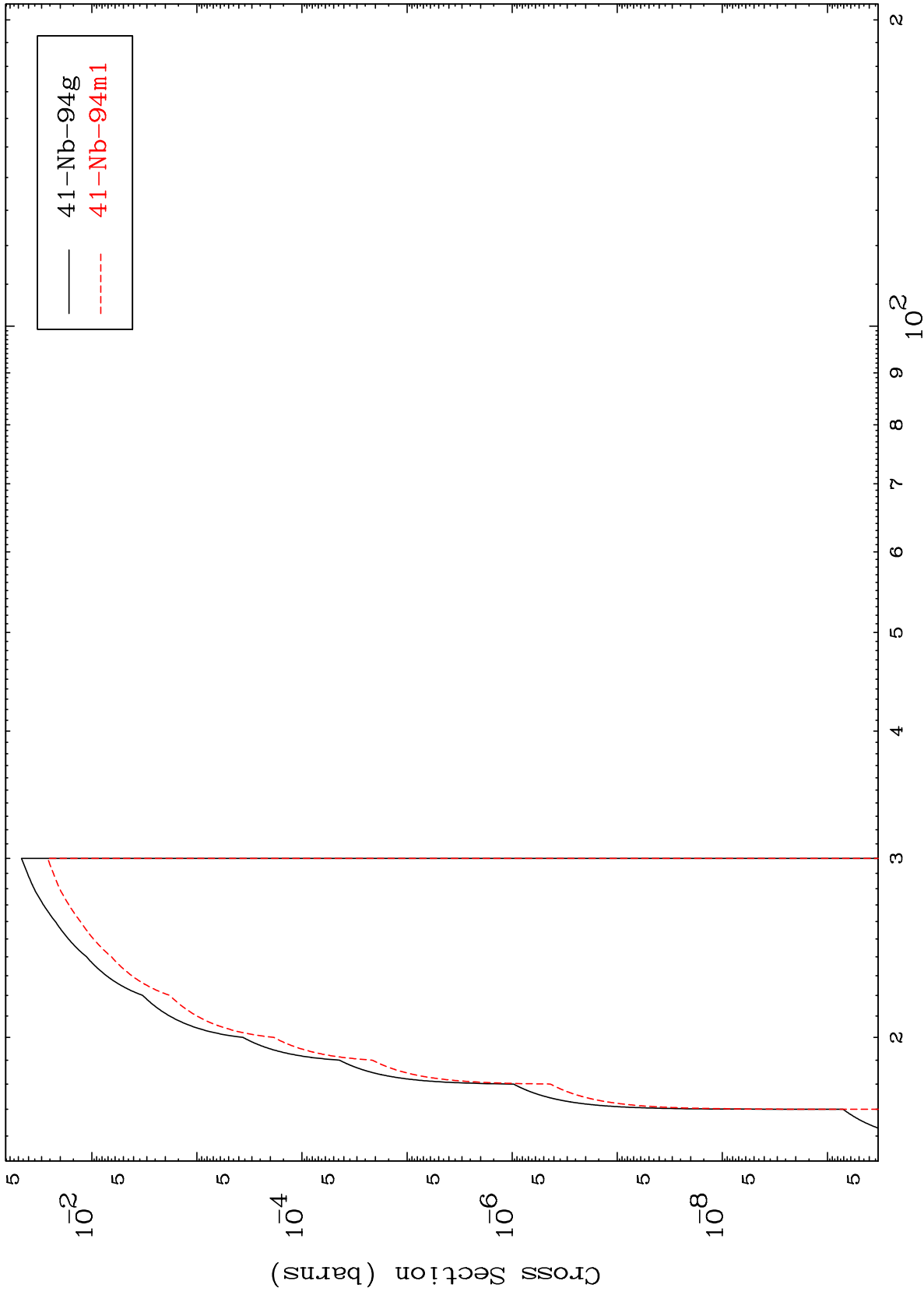
40-Zr-92

MAT 4031

(n,n') p

40-Zr-92

Radionuclide Production Cross Section



14

Incident Energy (MeV)

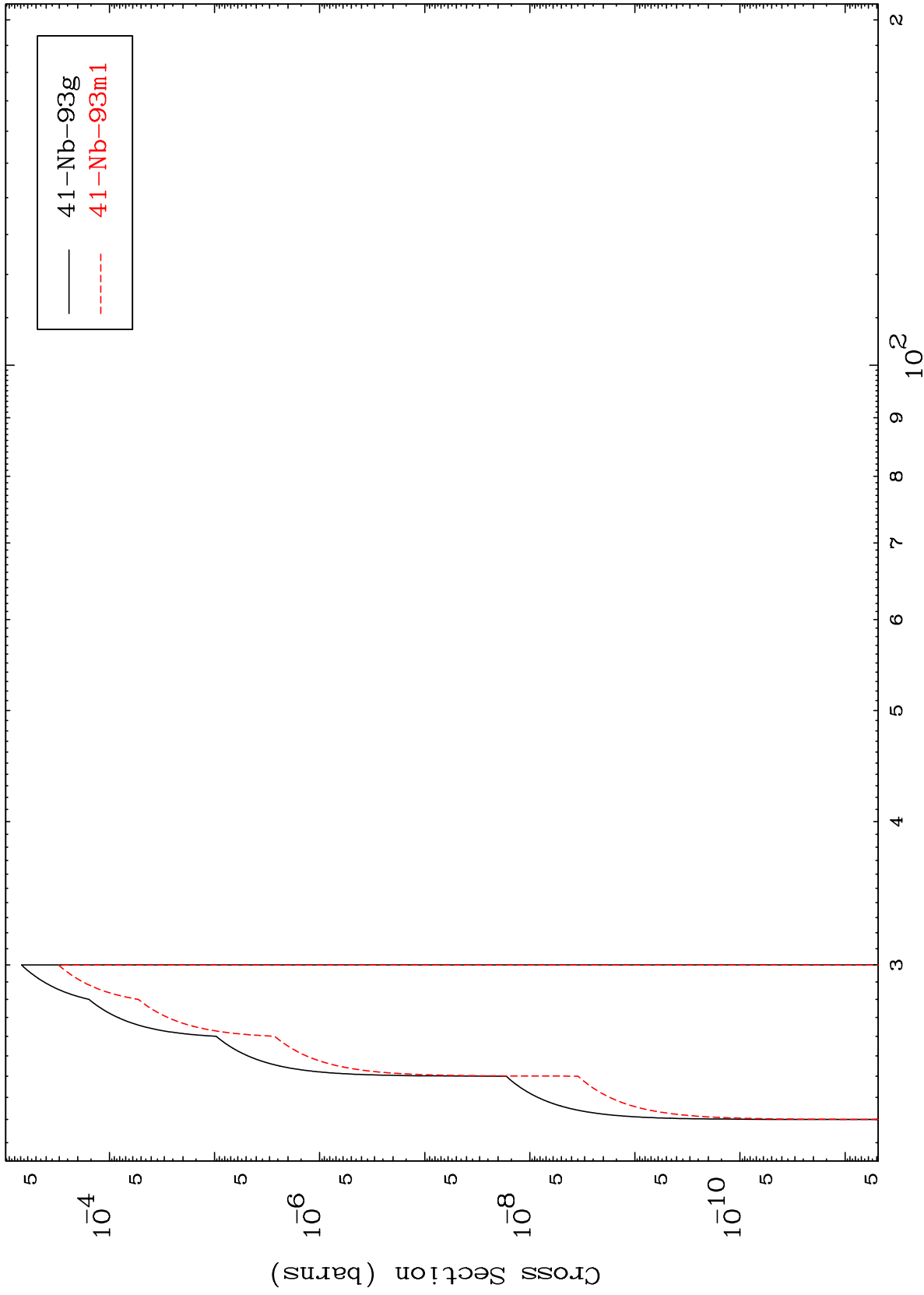
40-Zr-92

MAT 4031

(n,n') d

40-Zr-92

Radionuclide Production Cross Section



15

Incident Energy (MeV)

40-Zr-92

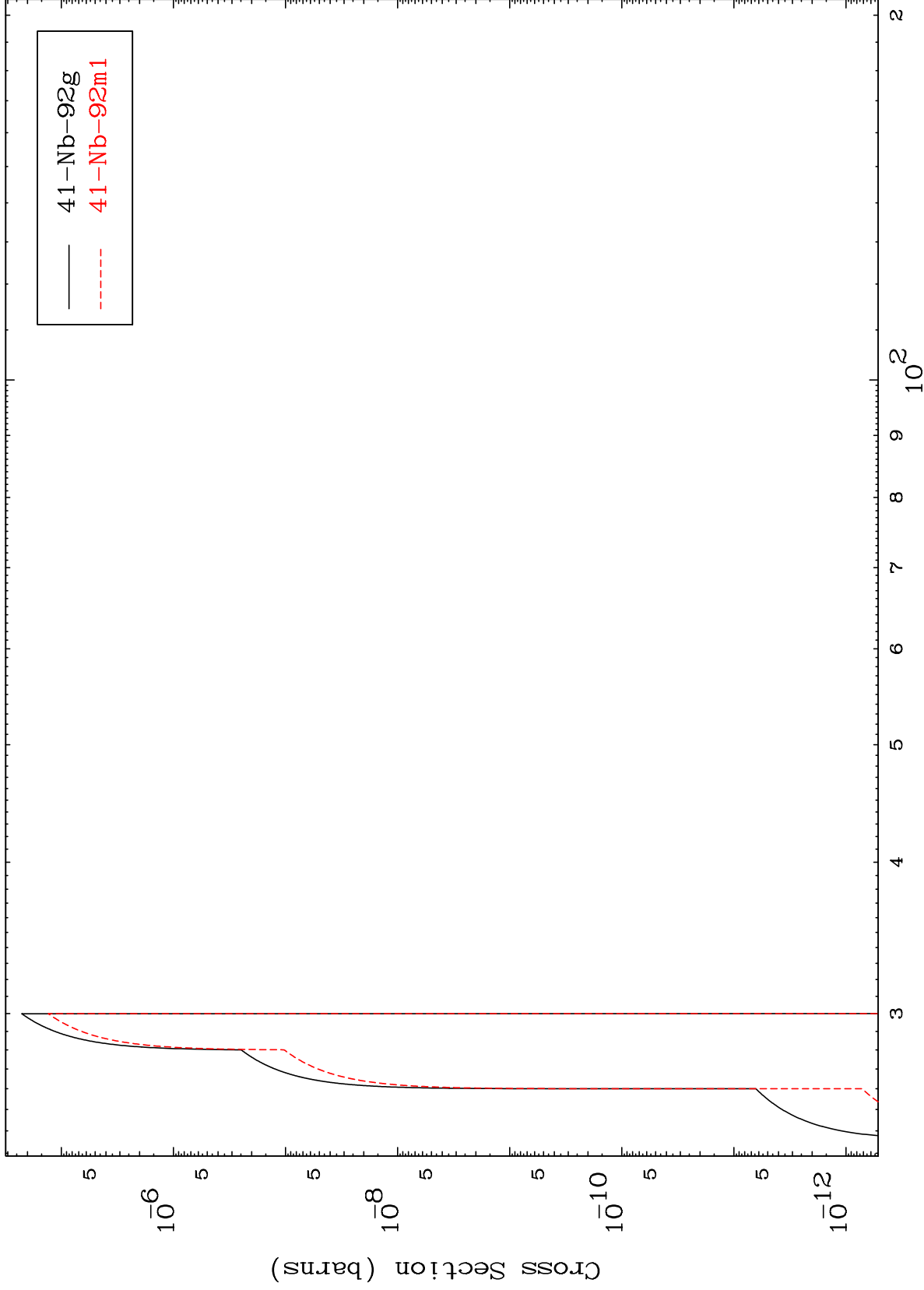


MAT 4031

(n,n') t

40-Zr-92

Radionuclide Production Cross Section



16

Incident Energy (MeV)

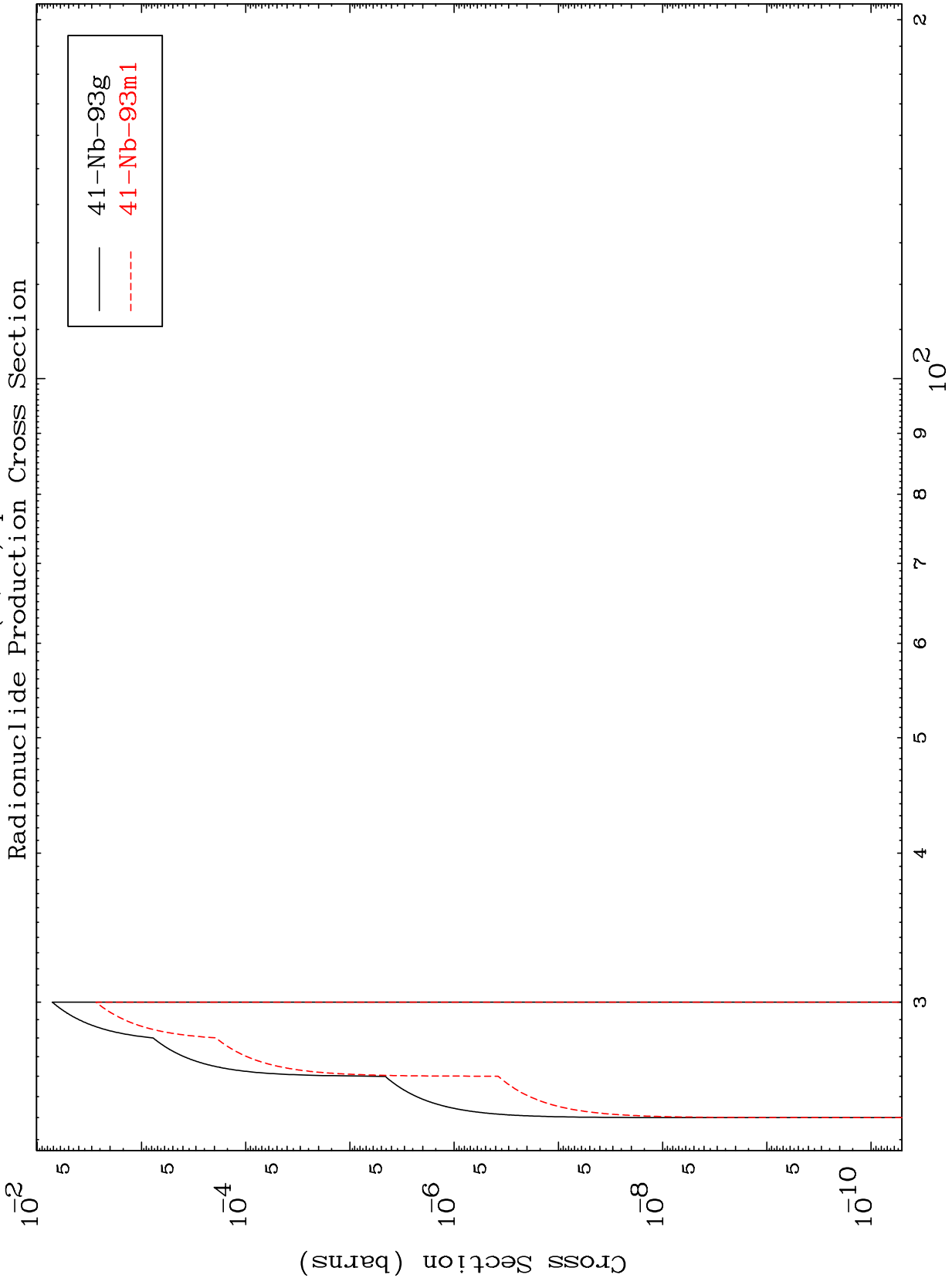
40-Zr-92

MAT 4031

(n,2n) p

Radionuclide Production Cross Section

40-Zr-92



40-Zr-92

Incident Energy (MeV)

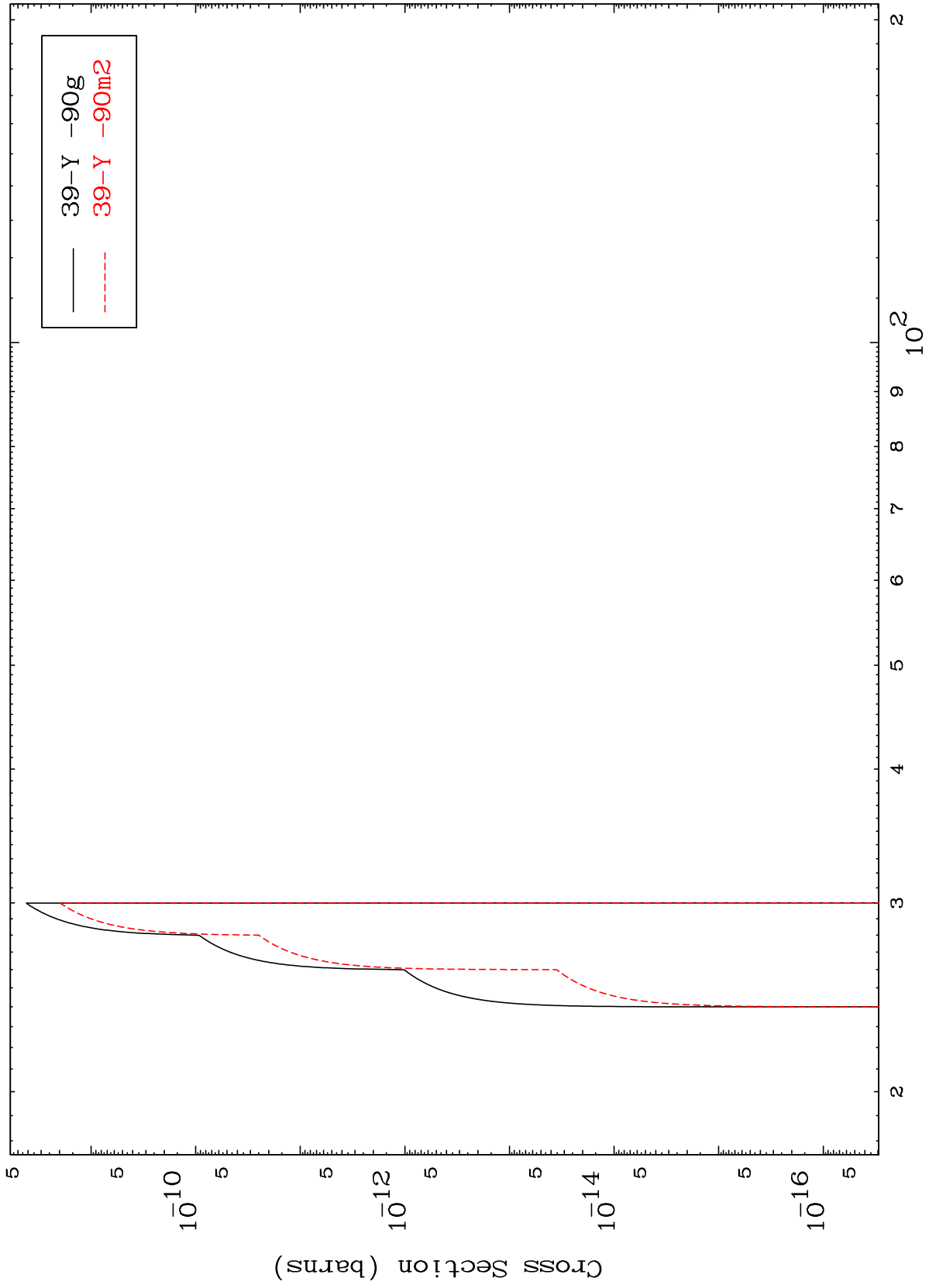
17

MAT 4031

(n,n') p  $\alpha$

40-Zr-92

Radionuclide Production Cross Section



18

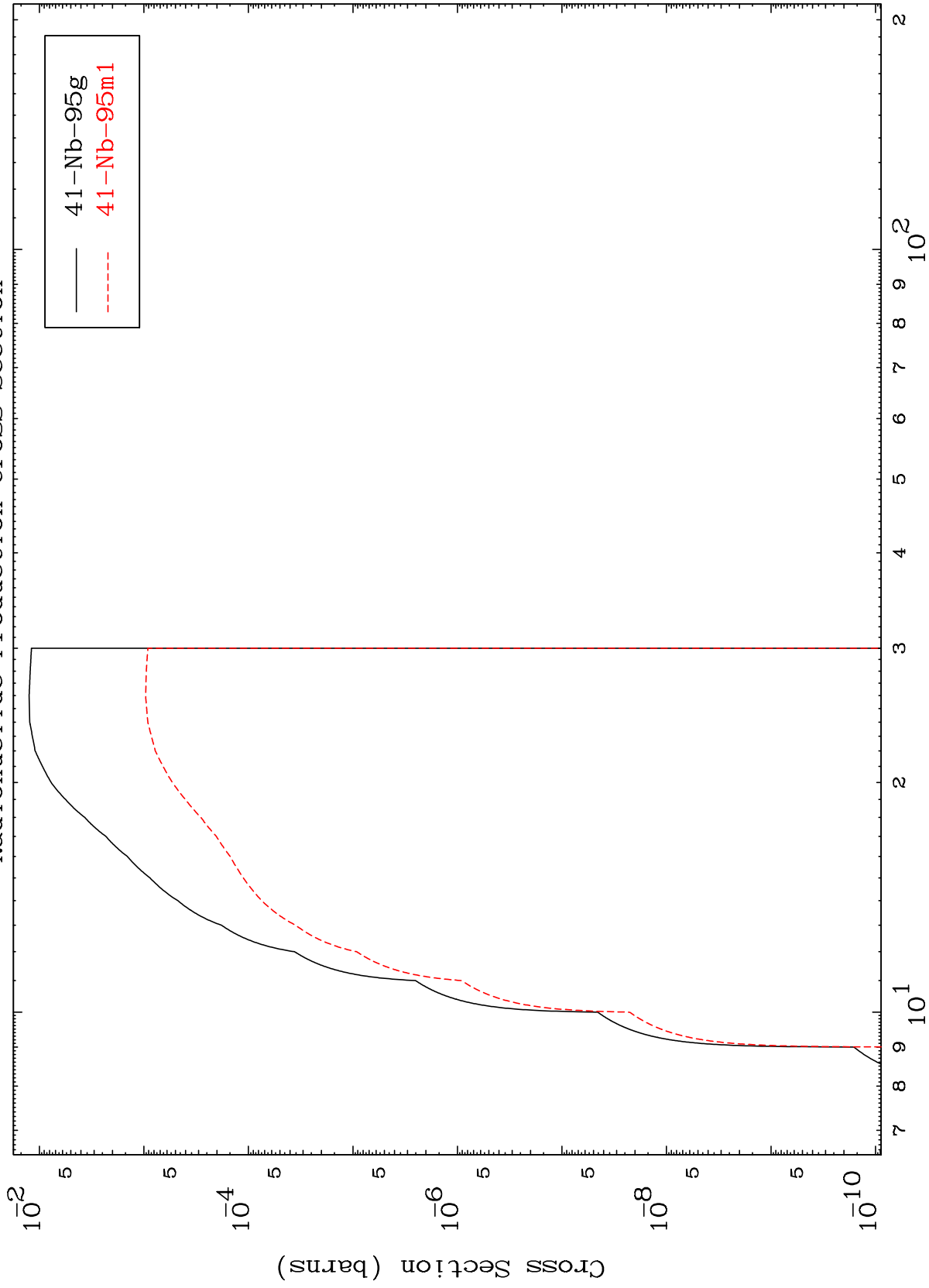
Incident Energy (MeV)

40-Zr-92

MAT 4031

40-Zr-92

(n,p)  
Radionuclide Production Cross Section



19

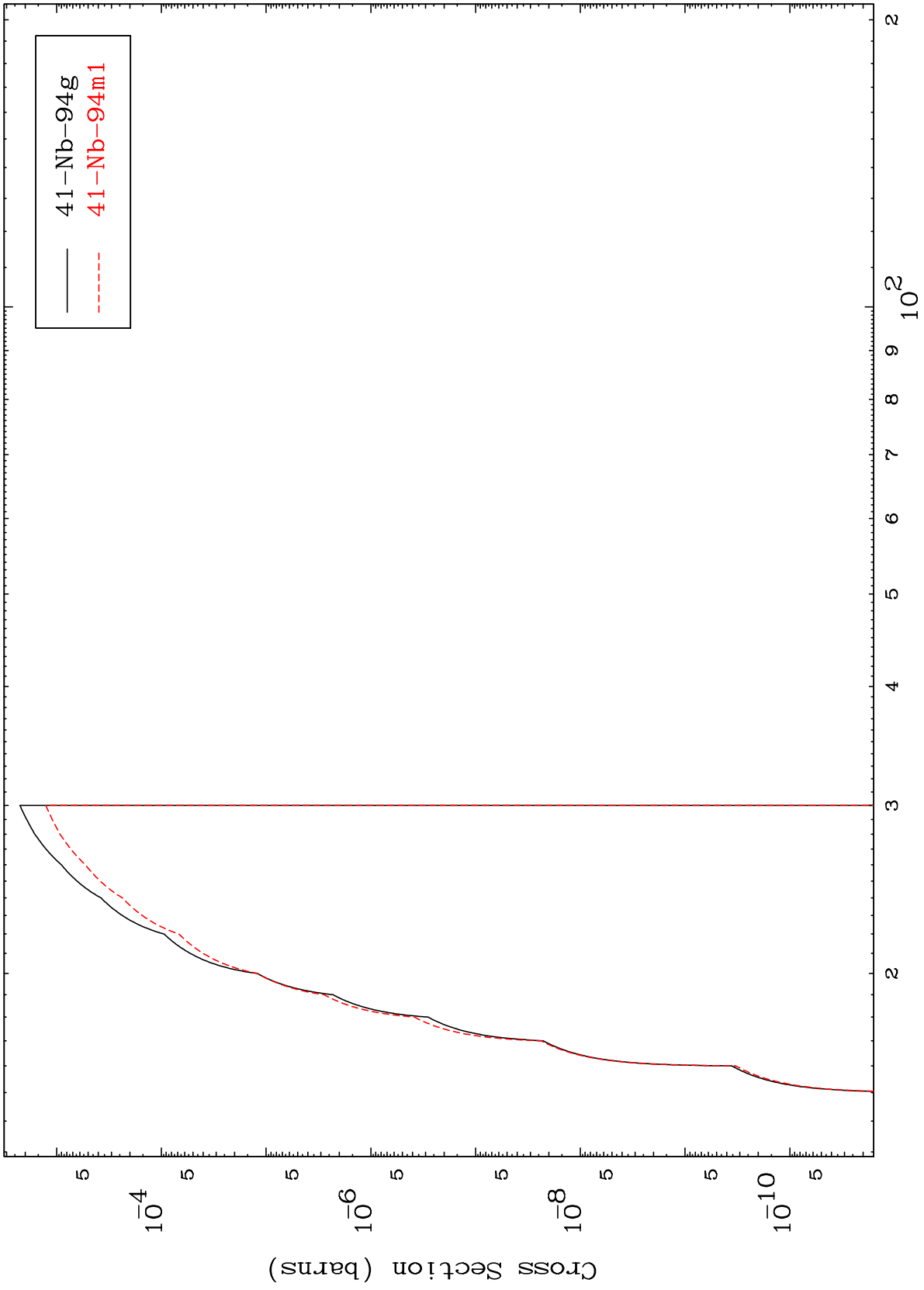
Incident Energy (MeV)

40-Zr-92

MAT 4031

(n,d)  
Radionuclide Production Cross Section

40-Zr-92



20

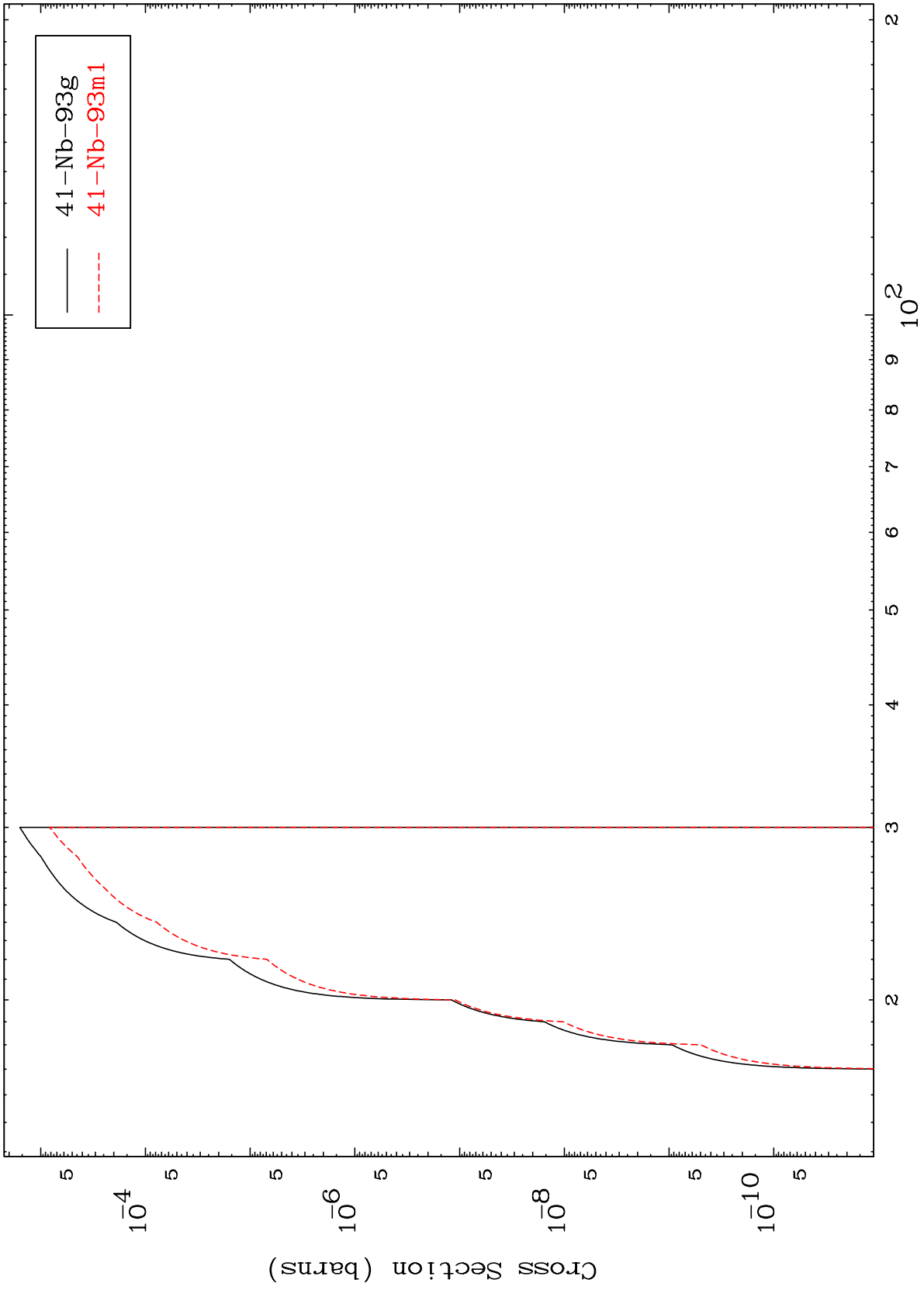
Incident Energy (MeV)

40-Zr-92

MAT 4031

40-Zr-92

(n, t)  
Radionuclide Production Cross Section



21

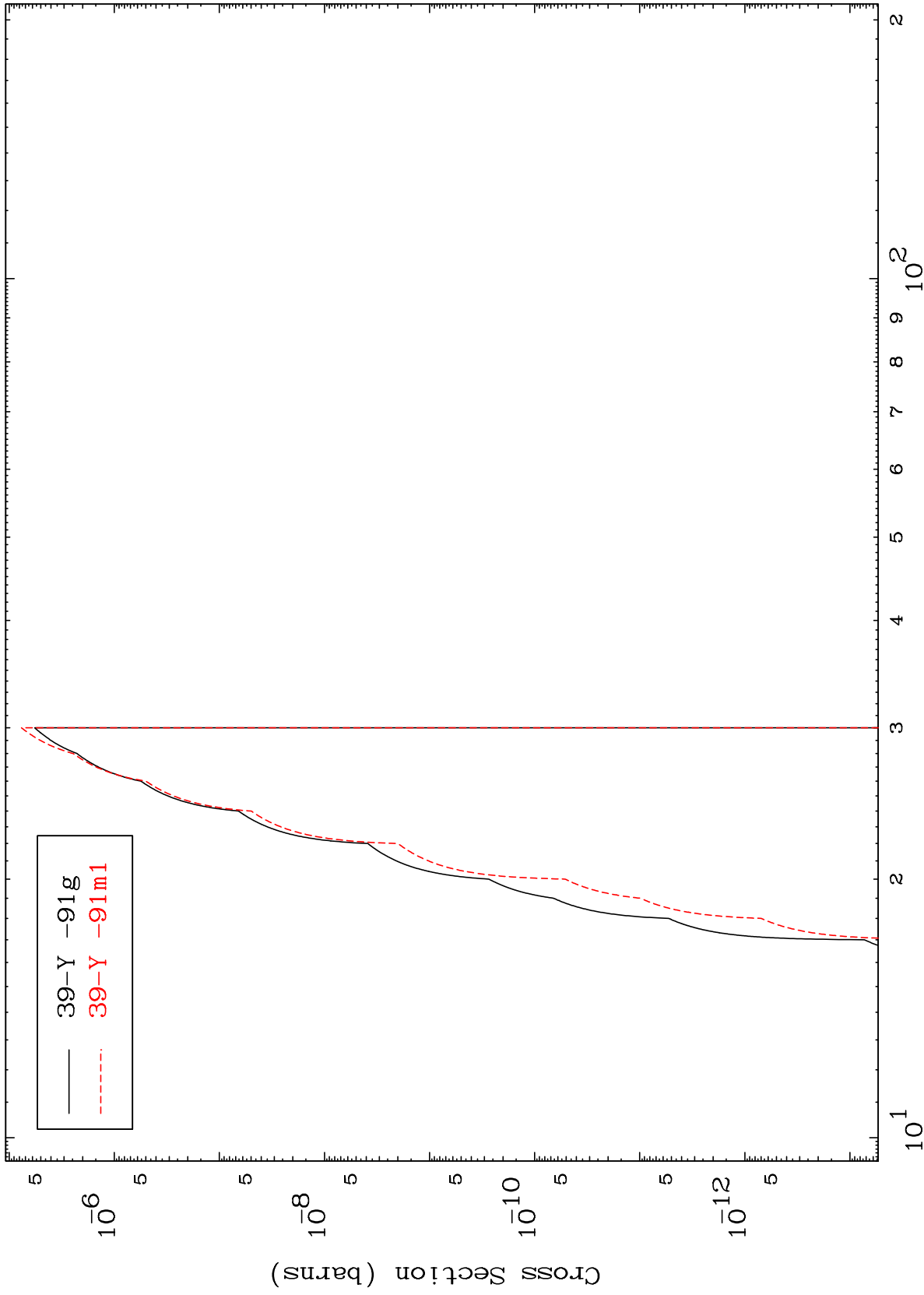
40-Zr-92

MAT 4031

(n,p)  $\alpha$

40-Zr-92

Radionuclide Production Cross Section



22

Incident Energy (MeV)

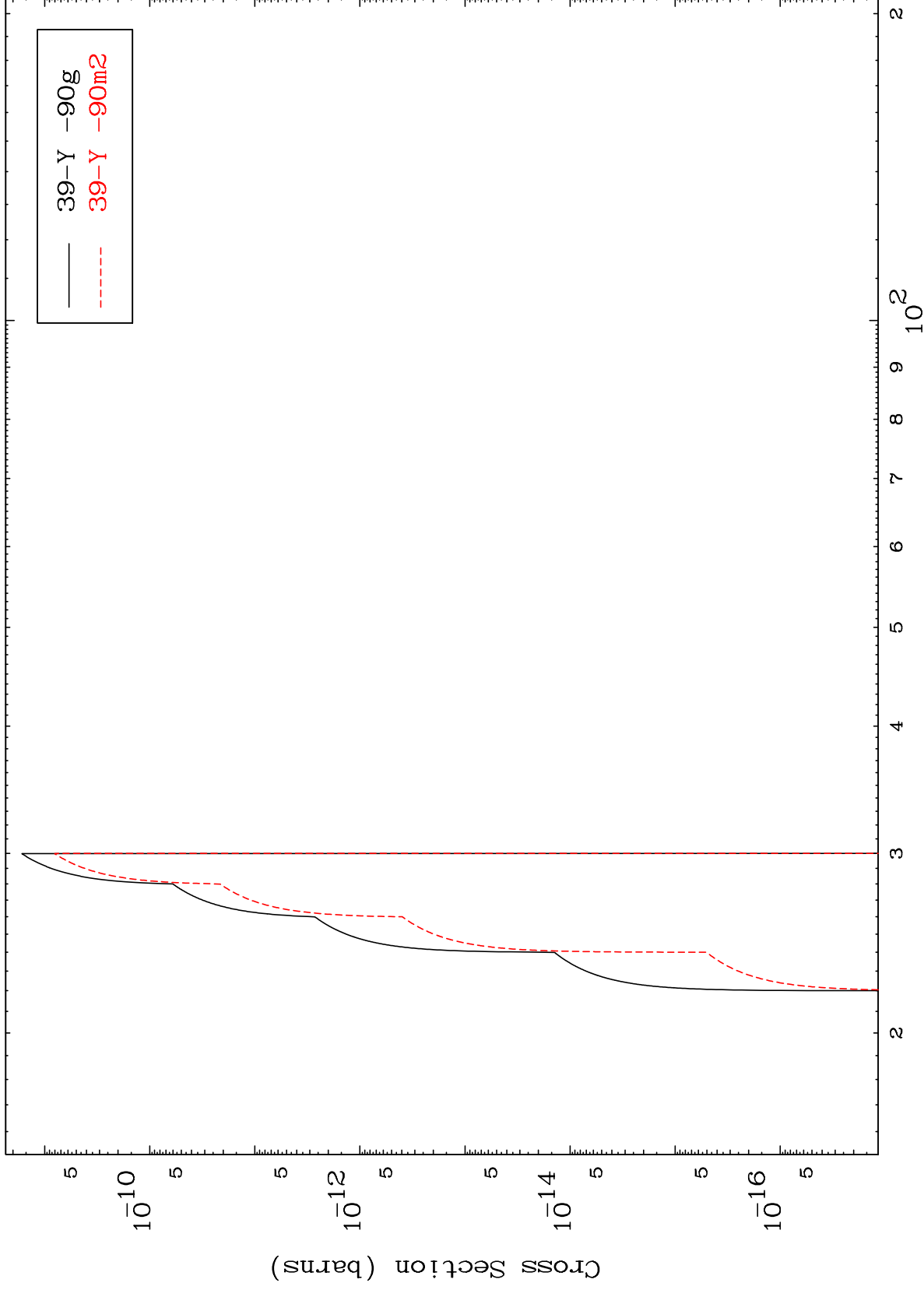
40-Zr-92

MAT 4031

$(n,d) \alpha$

40-Zr-92

Radionuclide Production Cross Section



23

Incident Energy (MeV)

40-Zr-92