

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

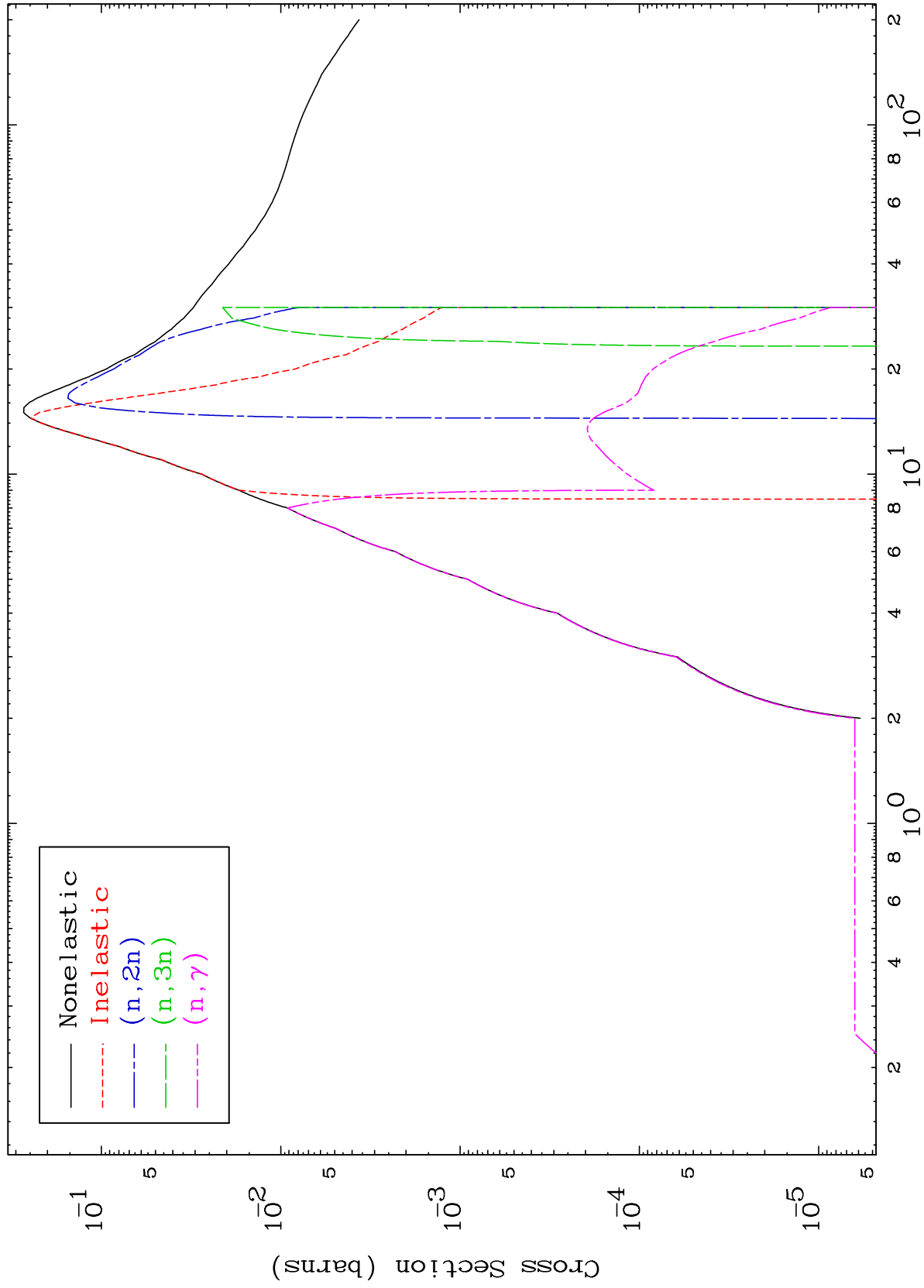
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5061

0 Kelvin Major  
Photon Cross Sections

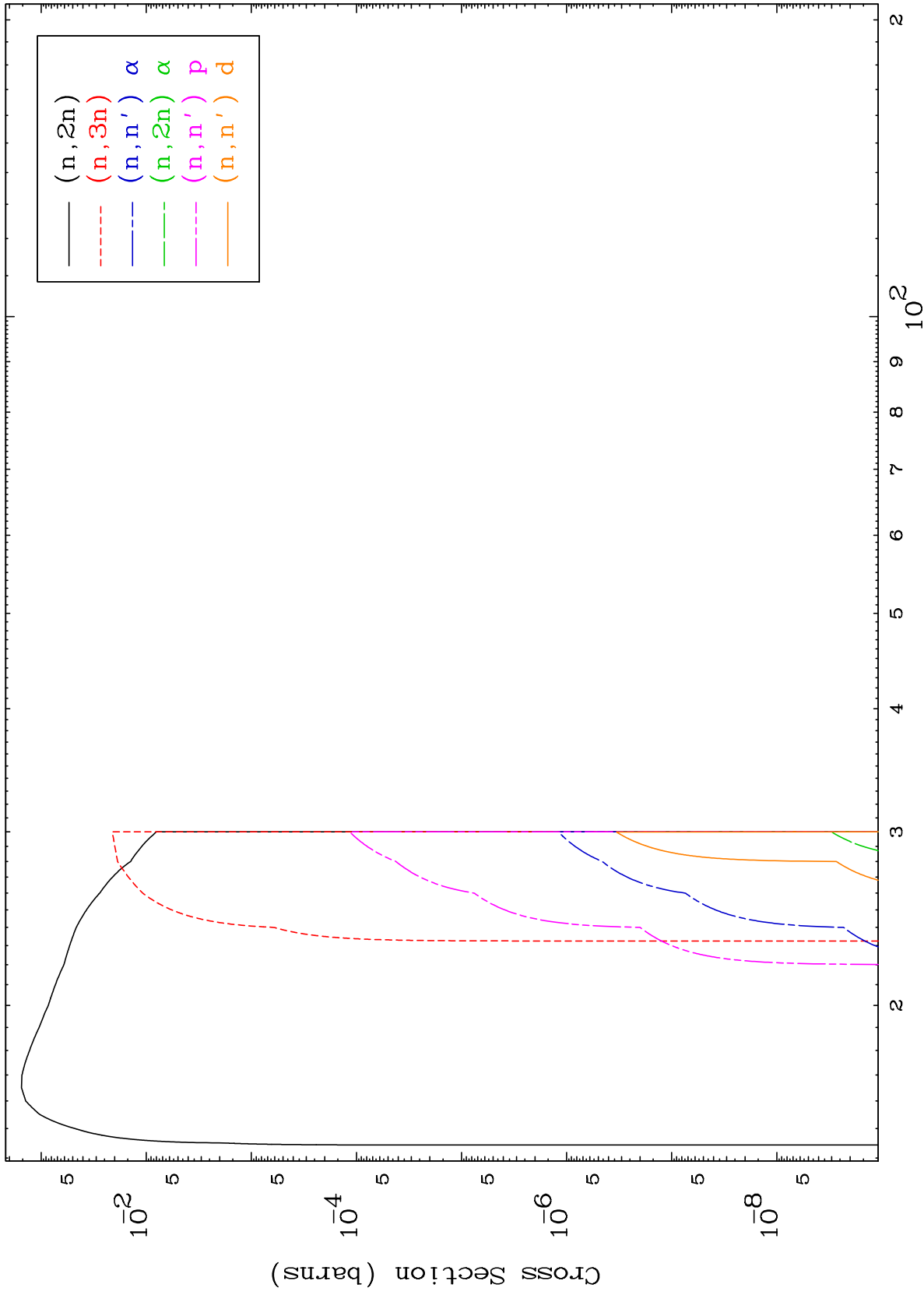
50-Sn-124



MAT 5061

Photon Neutron Absorption  
0 Kelvin Cross Sections

50-Sn-124



2

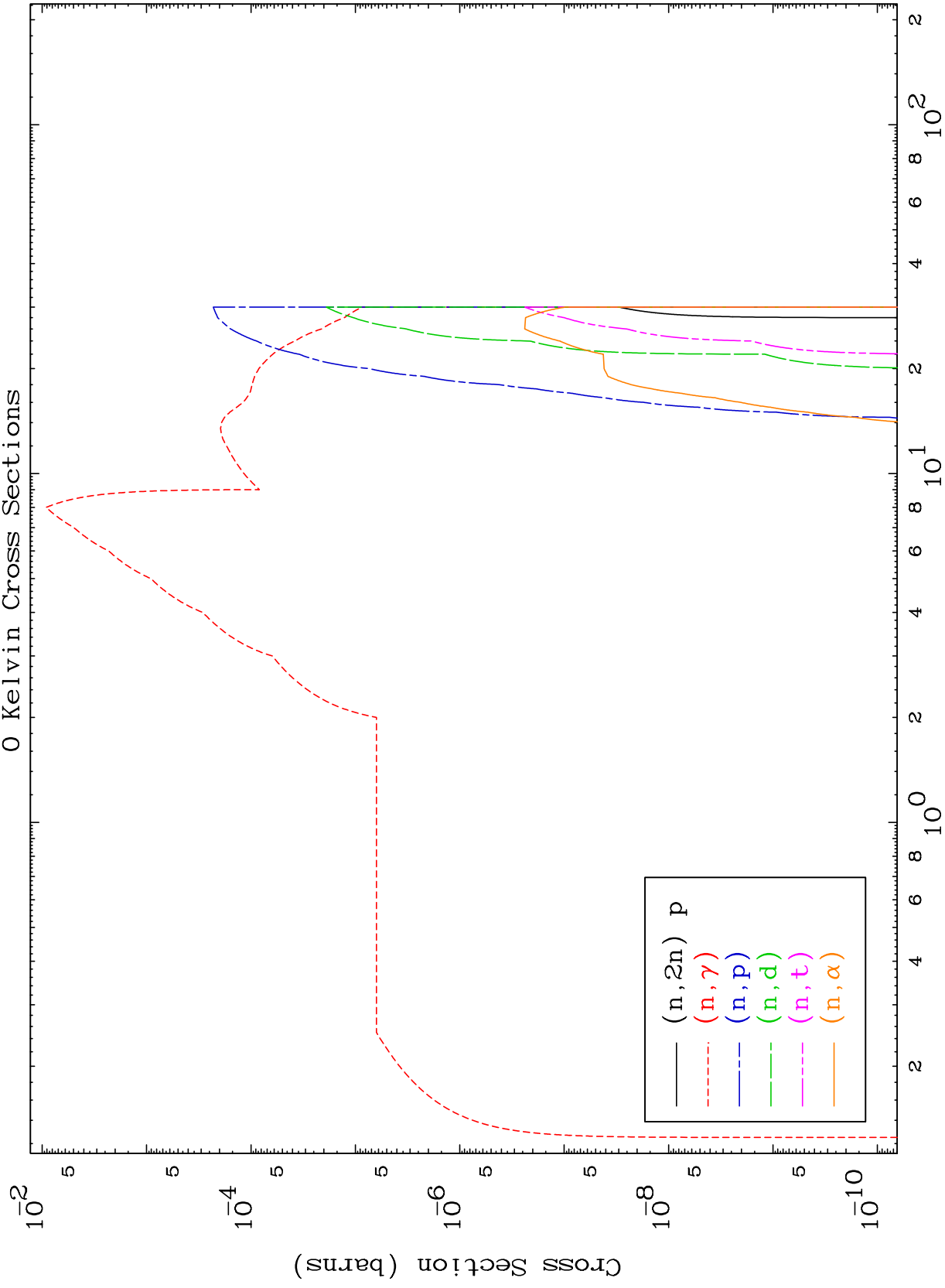
Incident Energy (MeV)

50-Sn-124

MAT 5061

Photon Neutron Absorption  
0 Kelvin Cross Sections

50-Sn-124



3

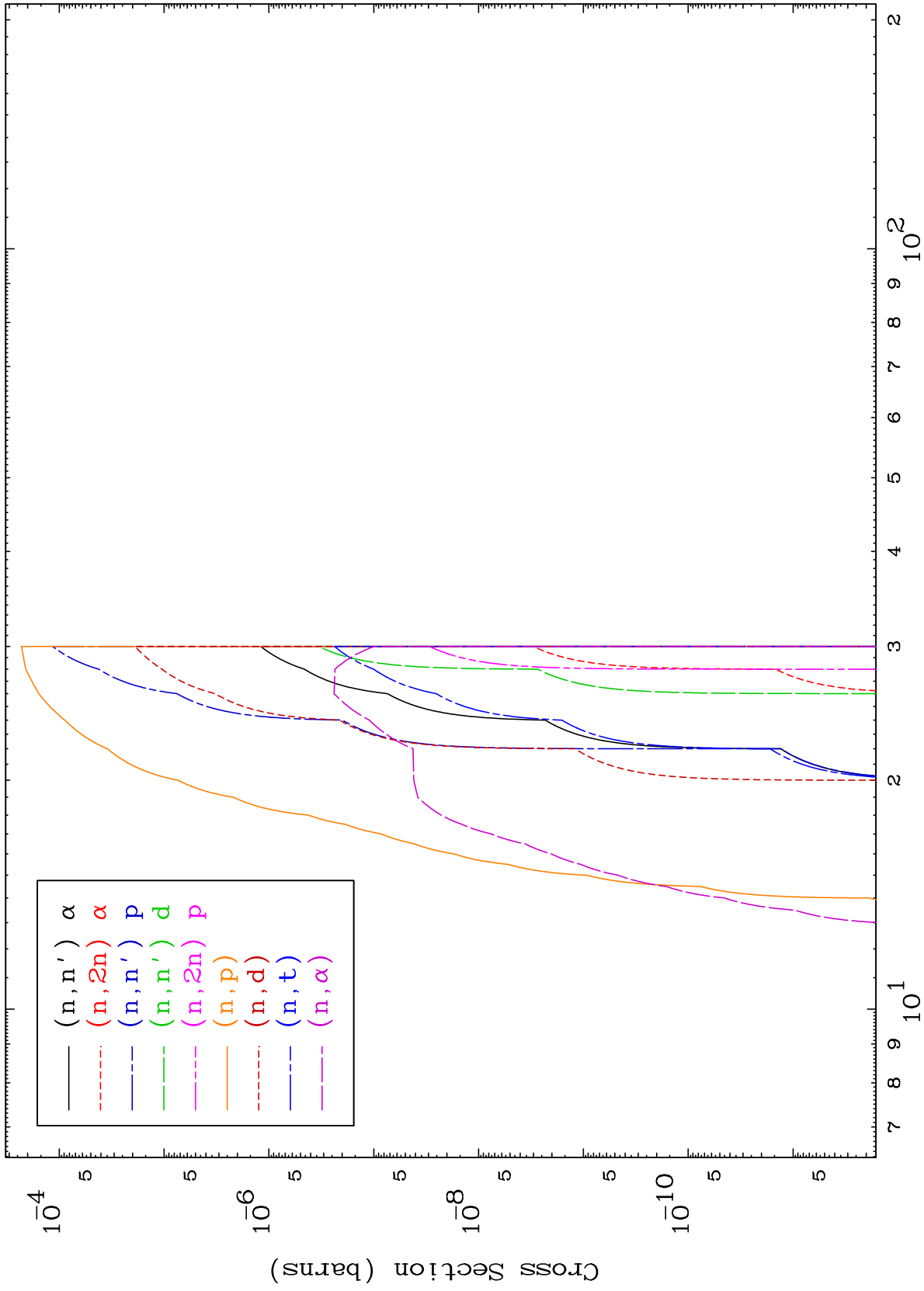
Incident Energy (MeV)

50-Sn-124

MAT 5061

Photon Charged Particle  
0 Kelvin Cross Sections

50-Sn-124



4

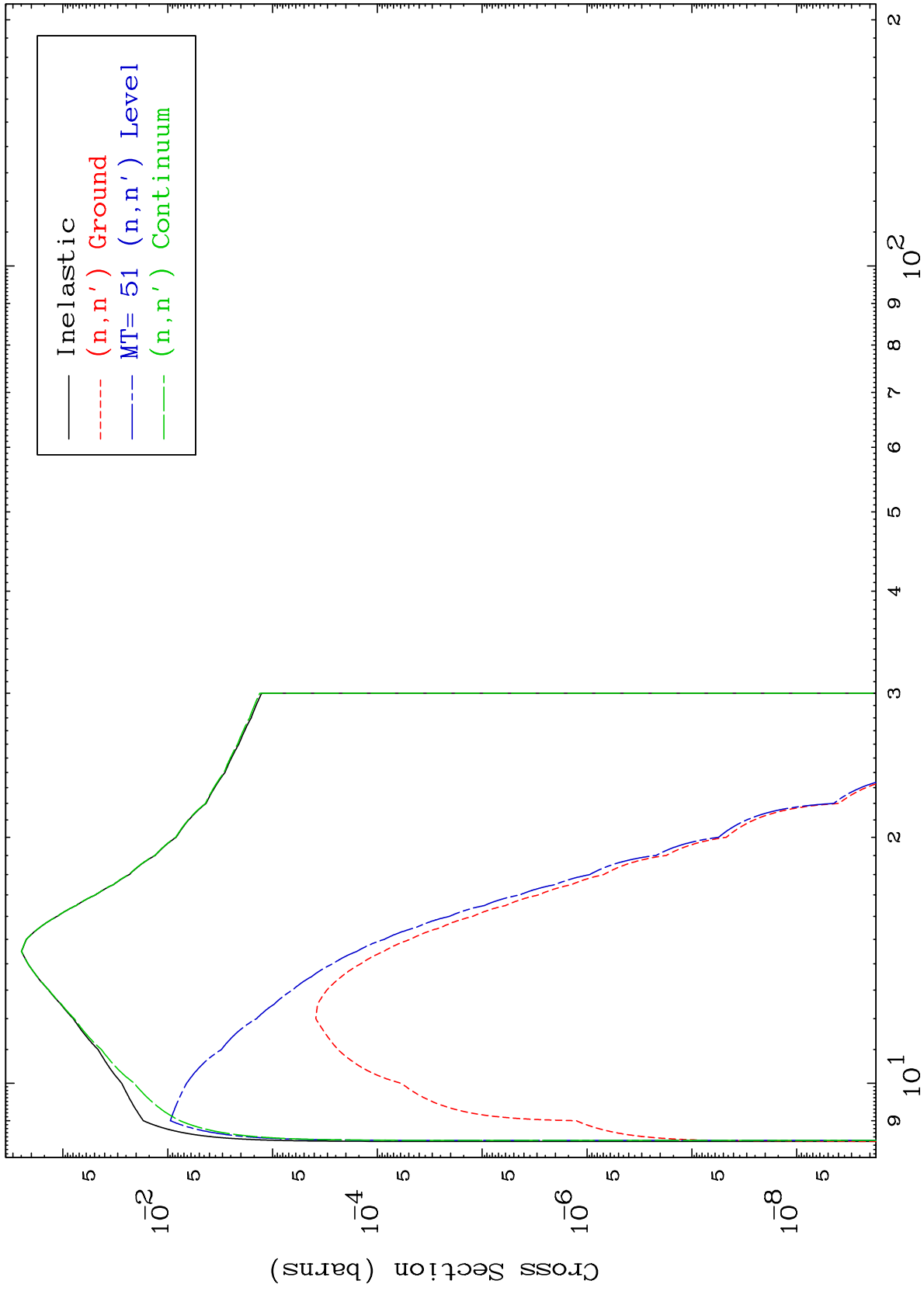
Incident Energy (MeV)

50-Sn-124

MAT 5061

$(\gamma, n')$  Levels  
0 Kelvin Cross Sections

50-Sn-124



5

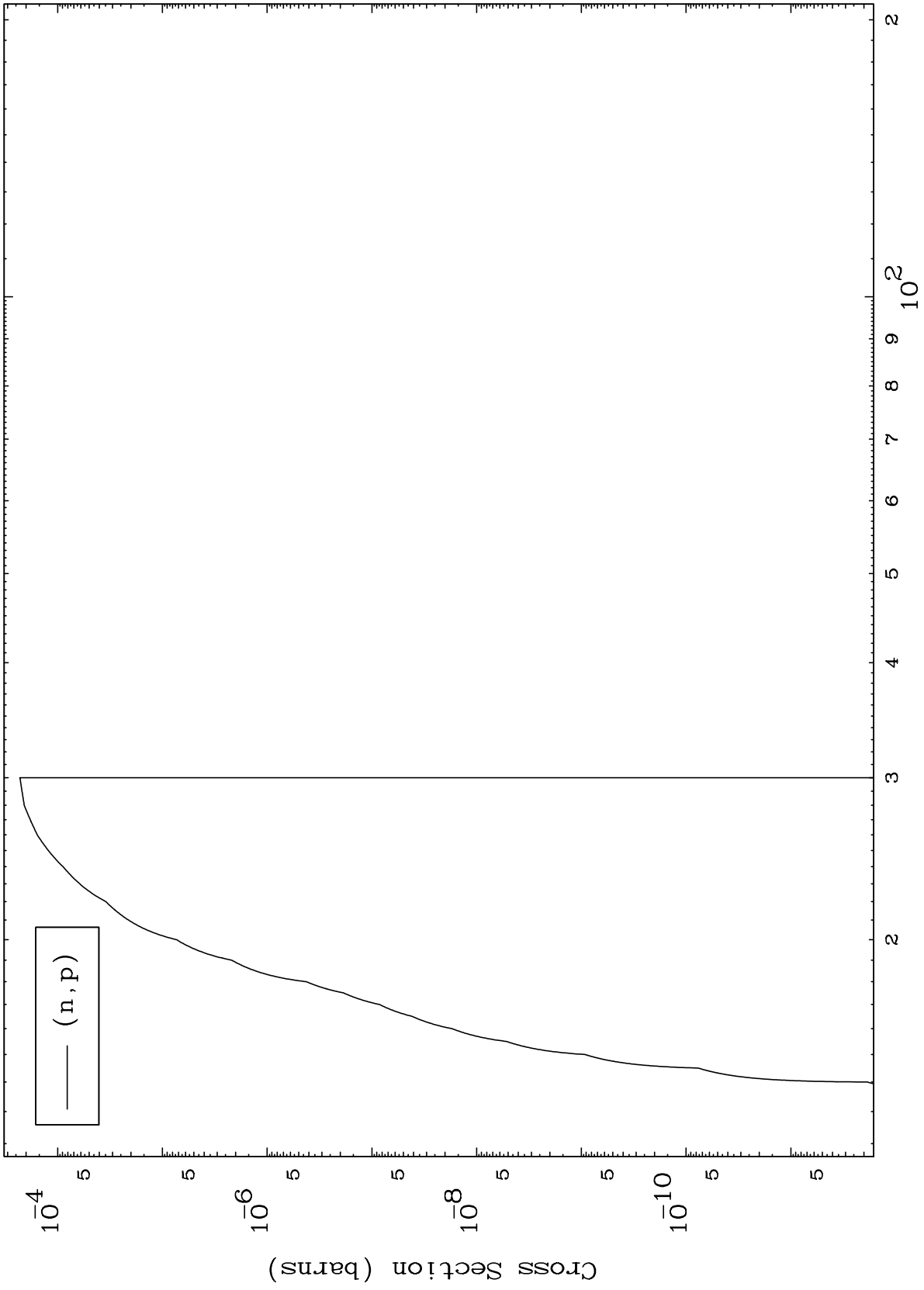
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124



6

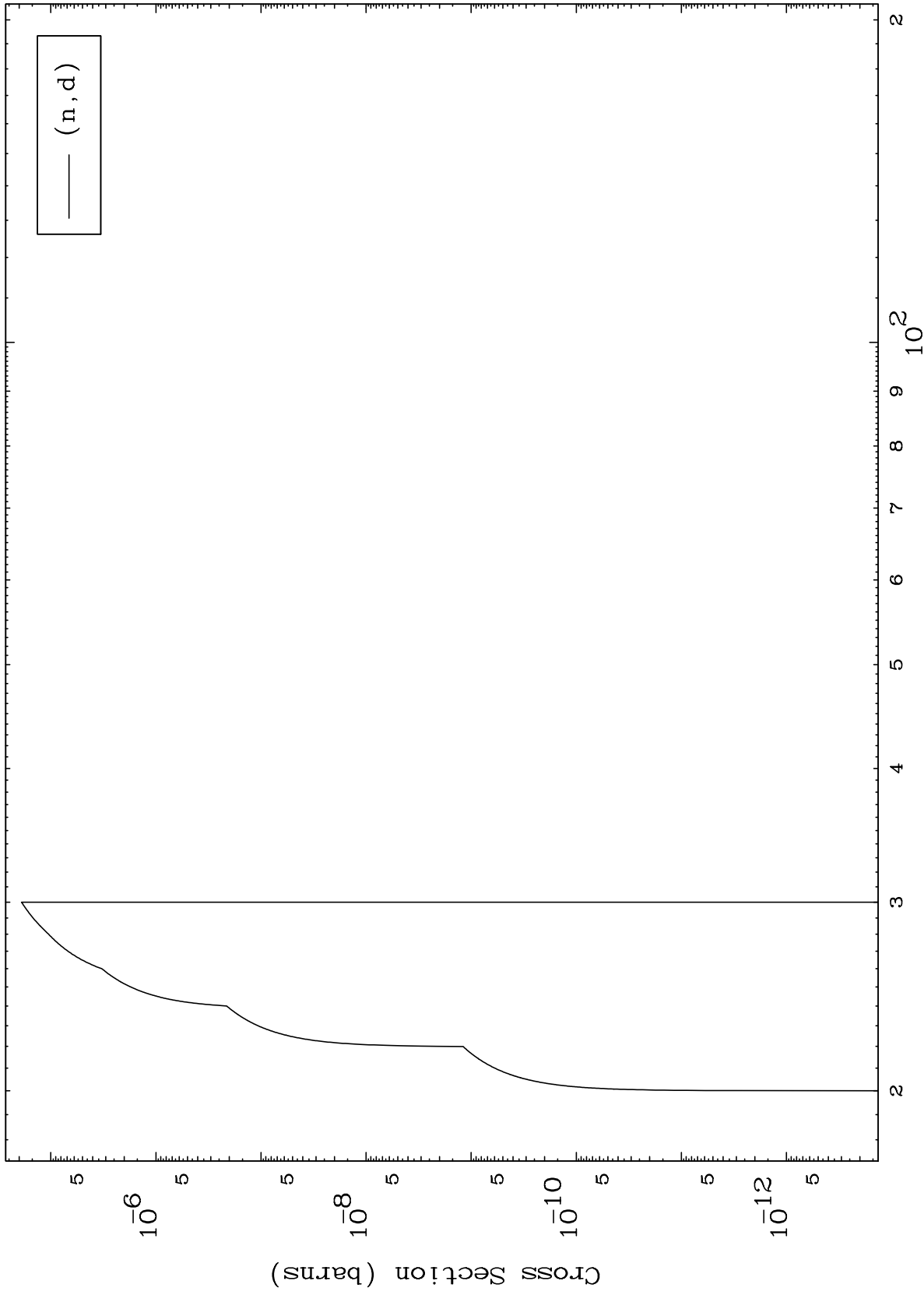
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124



7

Incident Energy (MeV)

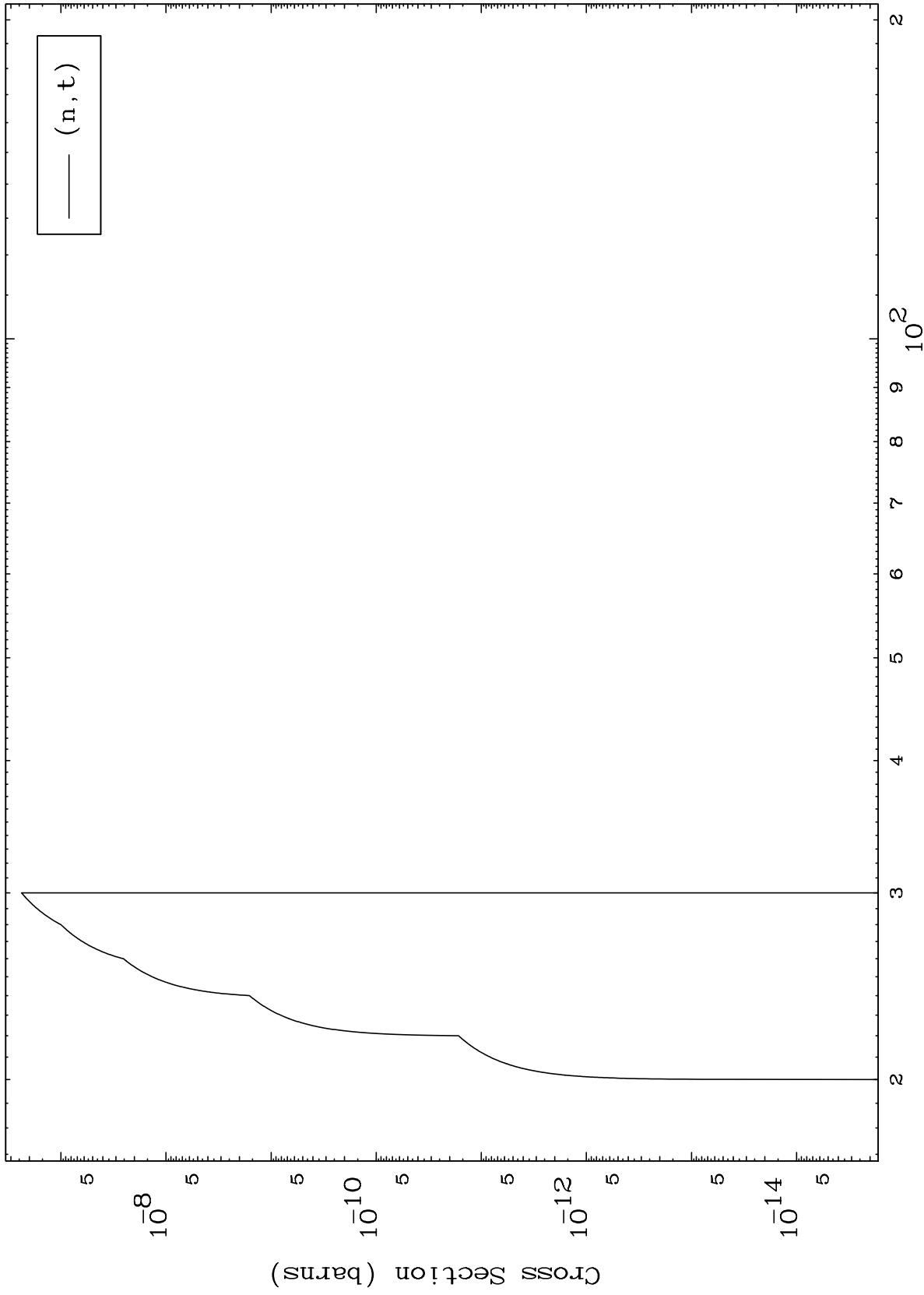
50-Sn-124



MAT 5061

( $\gamma, t$ ) Levels  
0 Kelvin Cross Sections

50-Sn-124



8

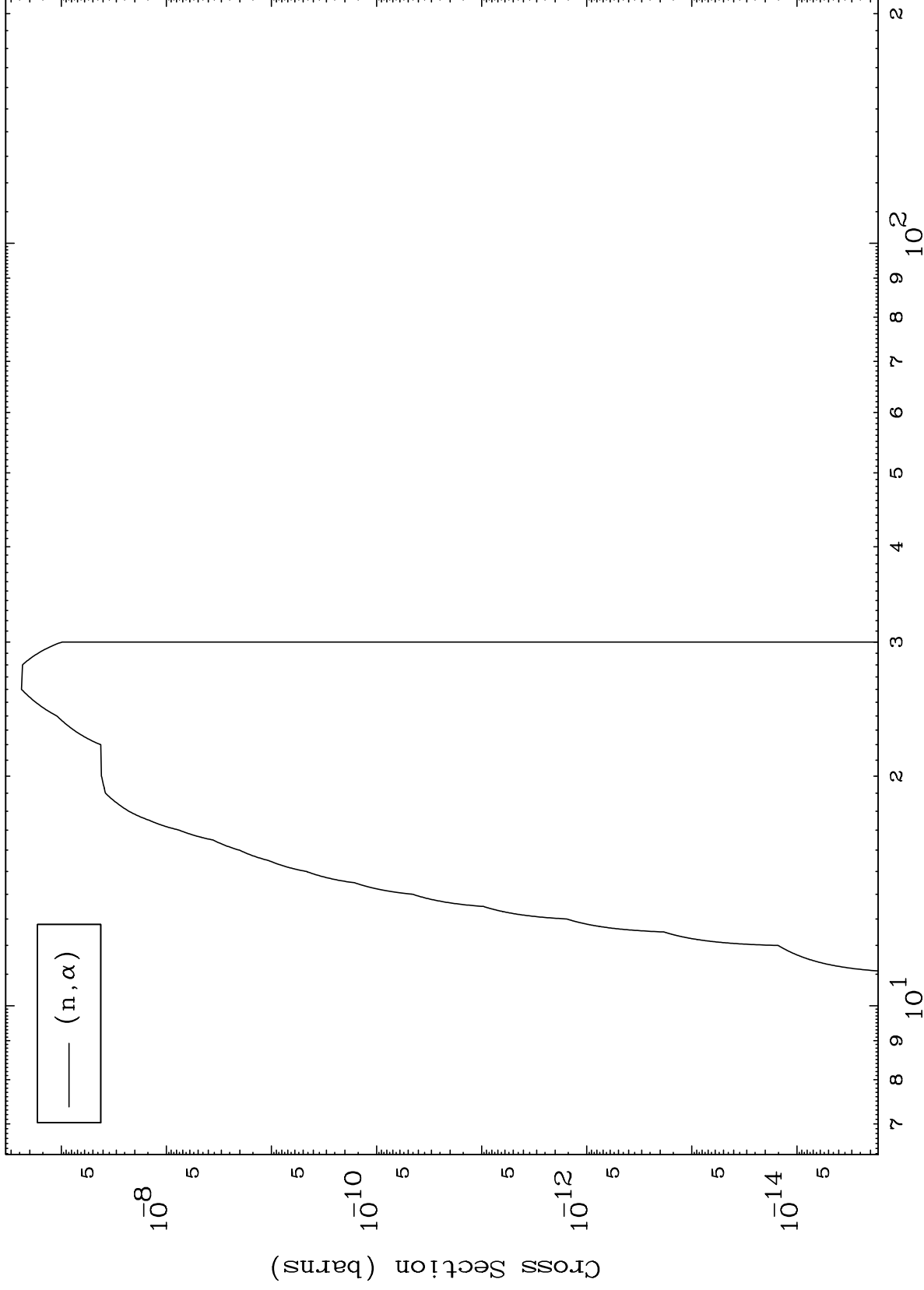
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124



9

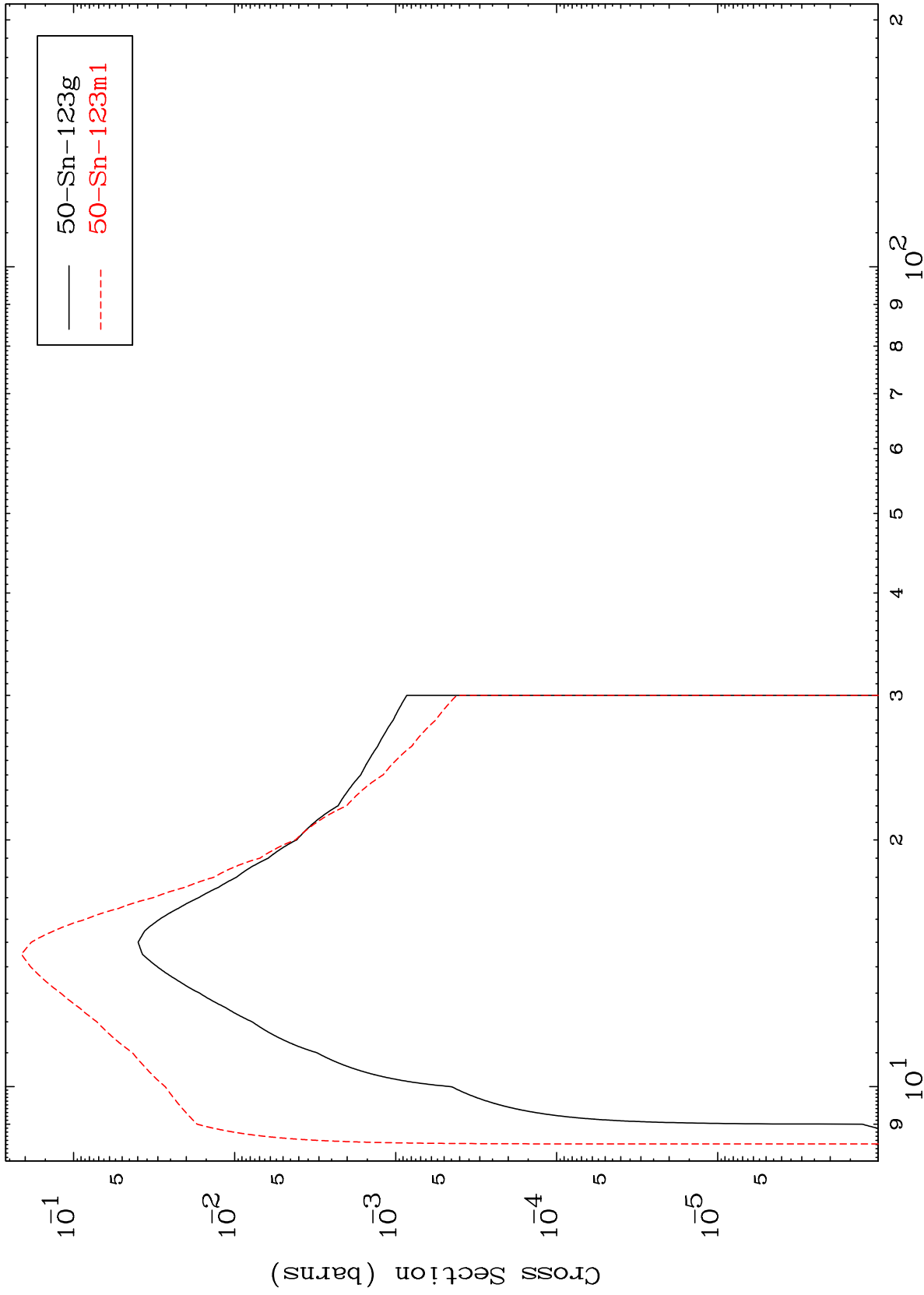
Incident Energy (MeV)

50-Sn-124

MAT 5061

50-Sn-124

Inelastic  
Radionuclide Production Cross Section



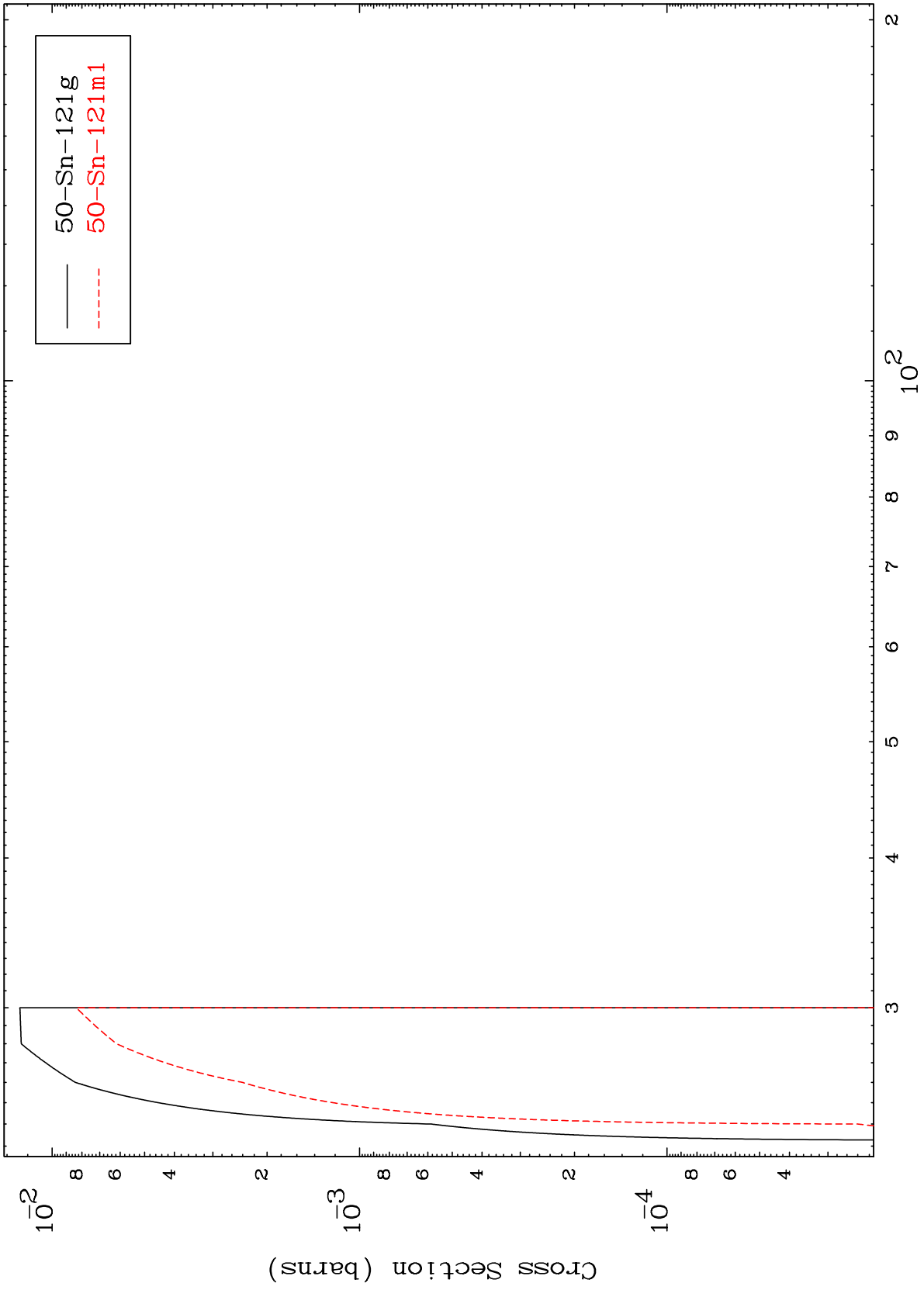
50-Sn-124

Incident Energy (MeV)

MAT 5061

50-Sn-124

(n,3n)  
Radionuclide Production Cross Section



11

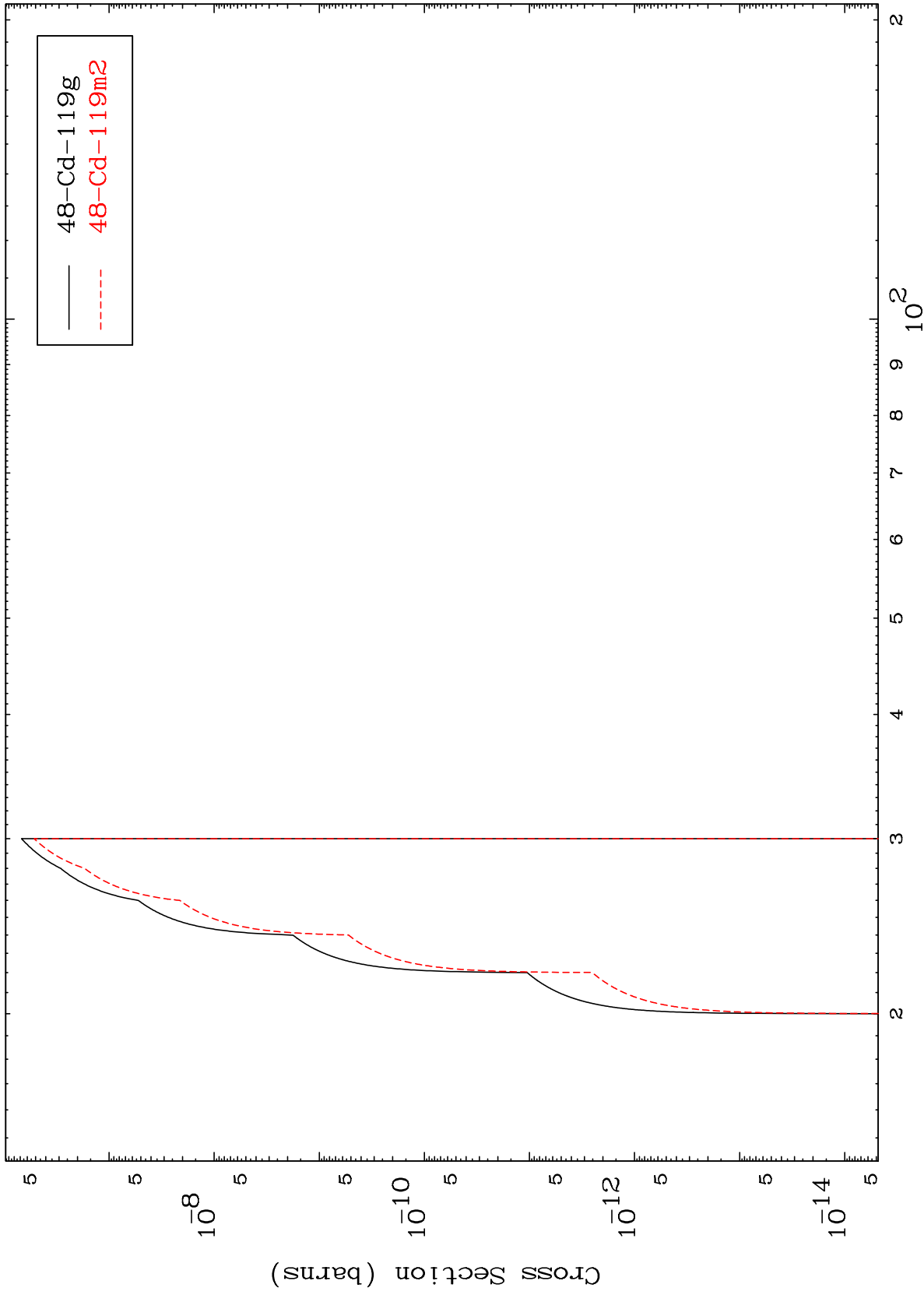
50-Sn-124

MAT 5061

(n,n')  $\alpha$

50-Sn-124

Radionuclide Production Cross Section



12

Incident Energy (MeV)

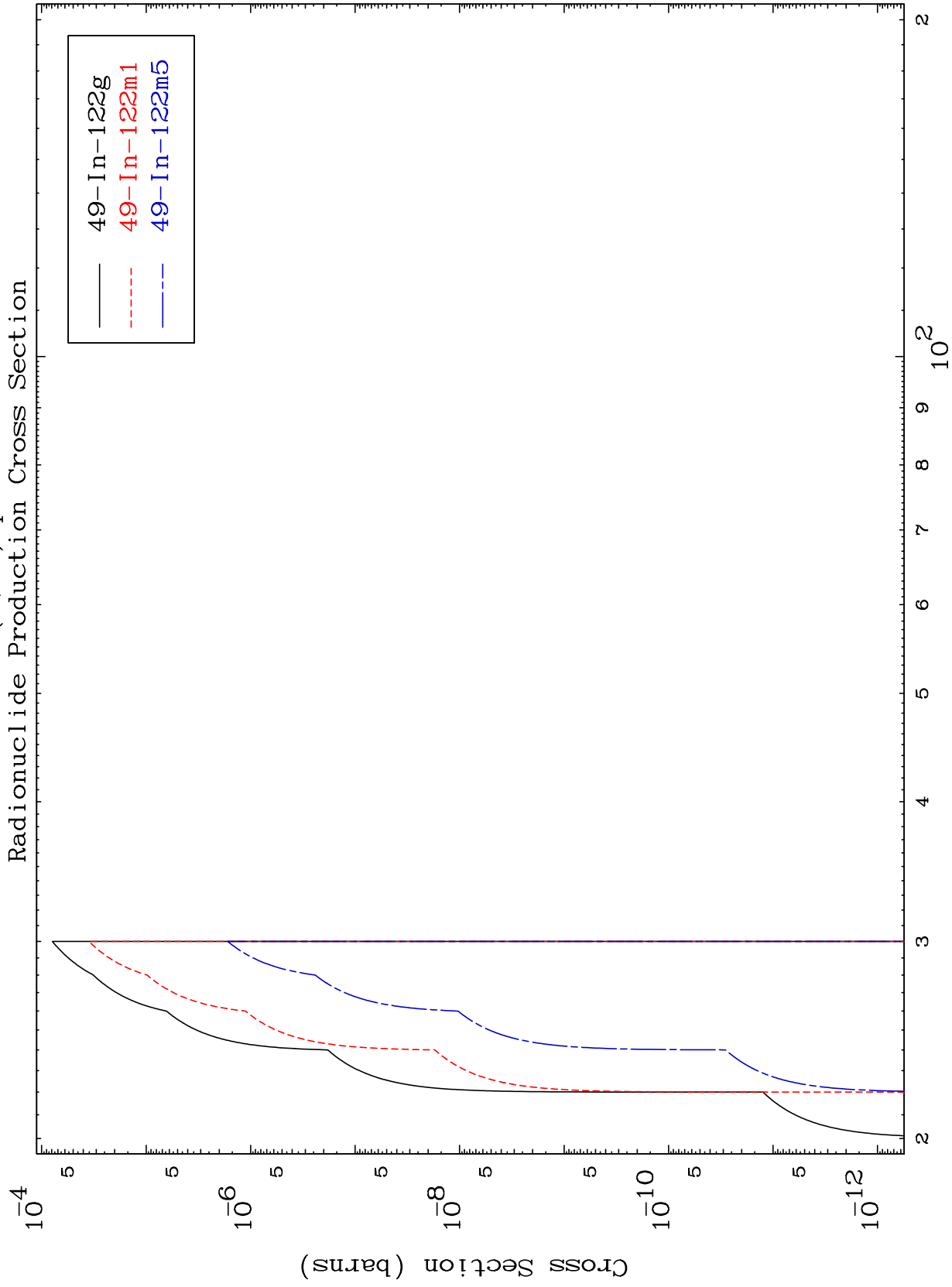
50-Sn-124

MAT 5061

(n,n') p

50-Sn-124

Radionuclide Production Cross Section



13

Incident Energy (MeV)

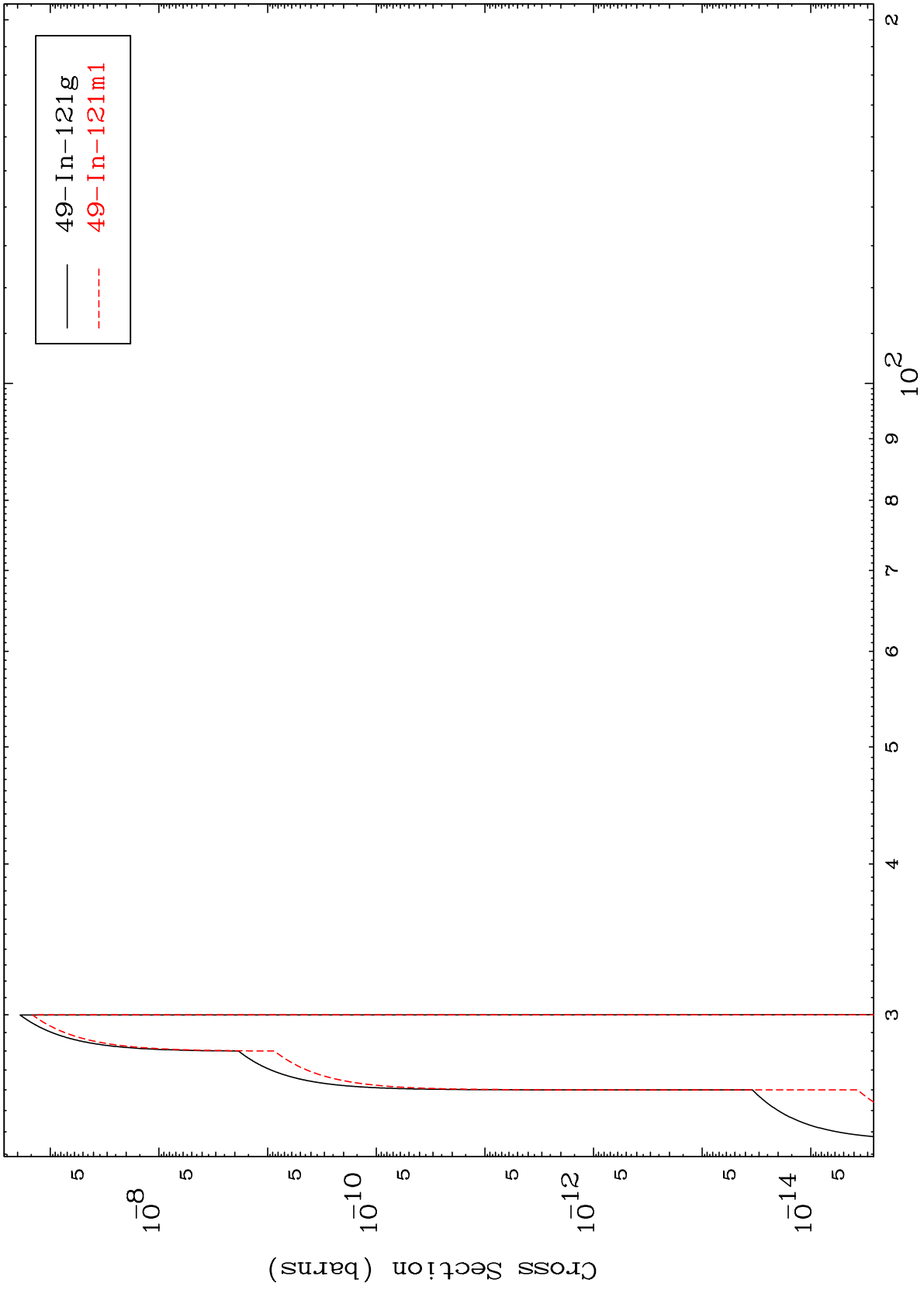
50-Sn-124

MAT 5061

(n,n') d

50-Sn-124

Radionuclide Production Cross Section



14

Incident Energy (MeV)

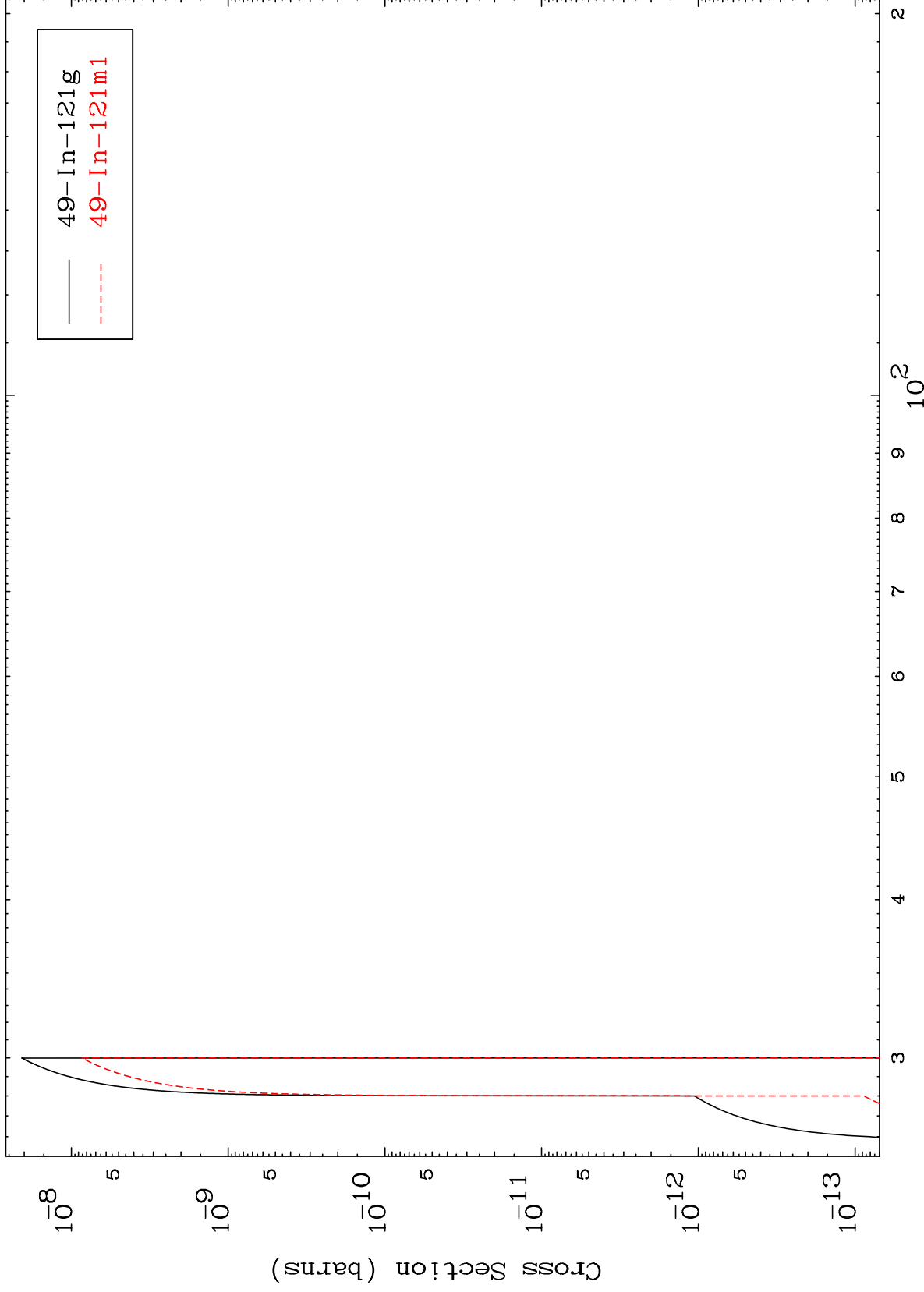
50-Sn-124

MAT 5061

(n,2n) p

50-Sn-124

Radionuclide Production Cross Section



15

Incident Energy (MeV)

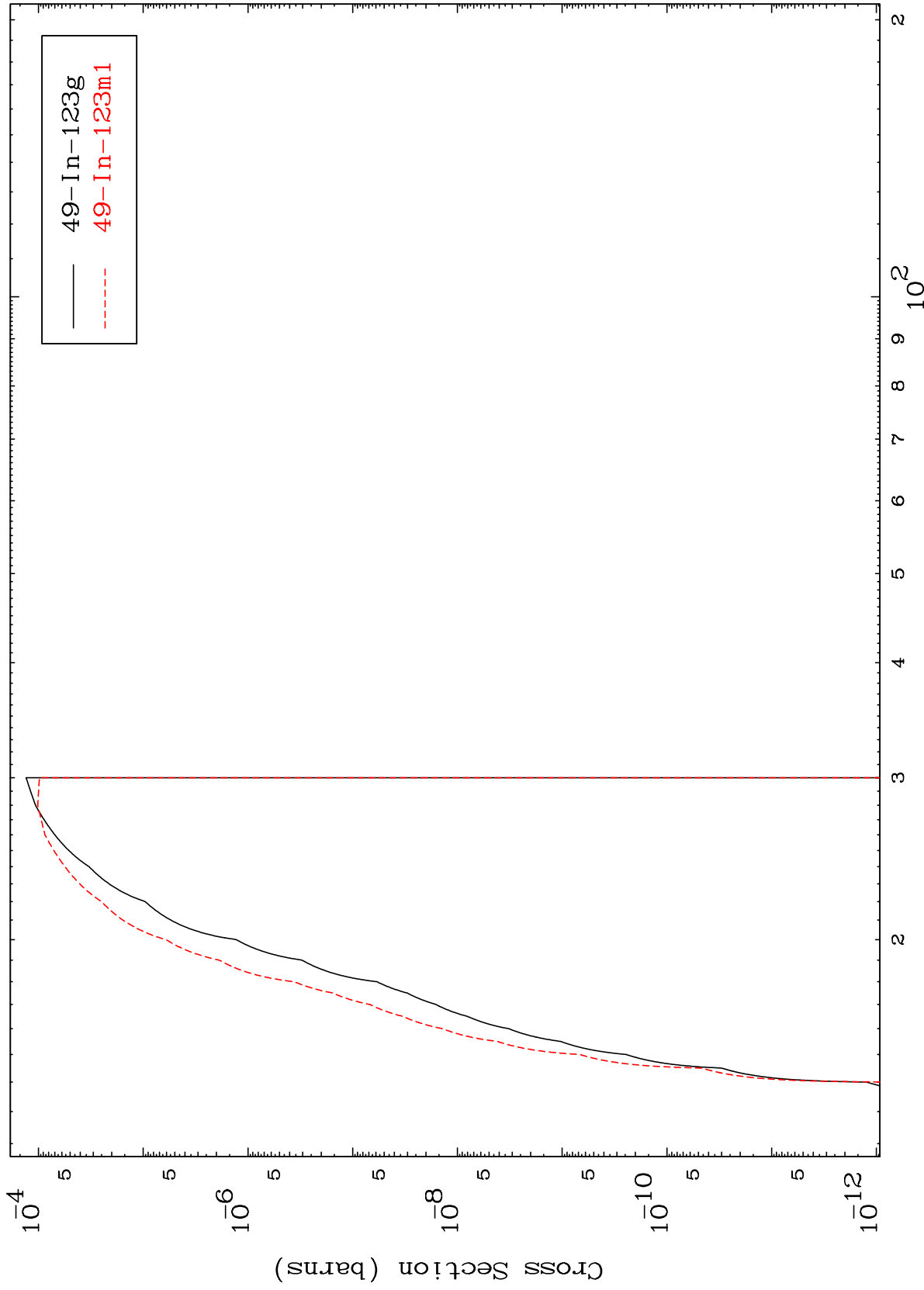
50-Sn-124



MAT 5061

50-Sn-124

(n,p)  
Radionuclide Production Cross Section



49-In-123g  
49-In-123m1

16

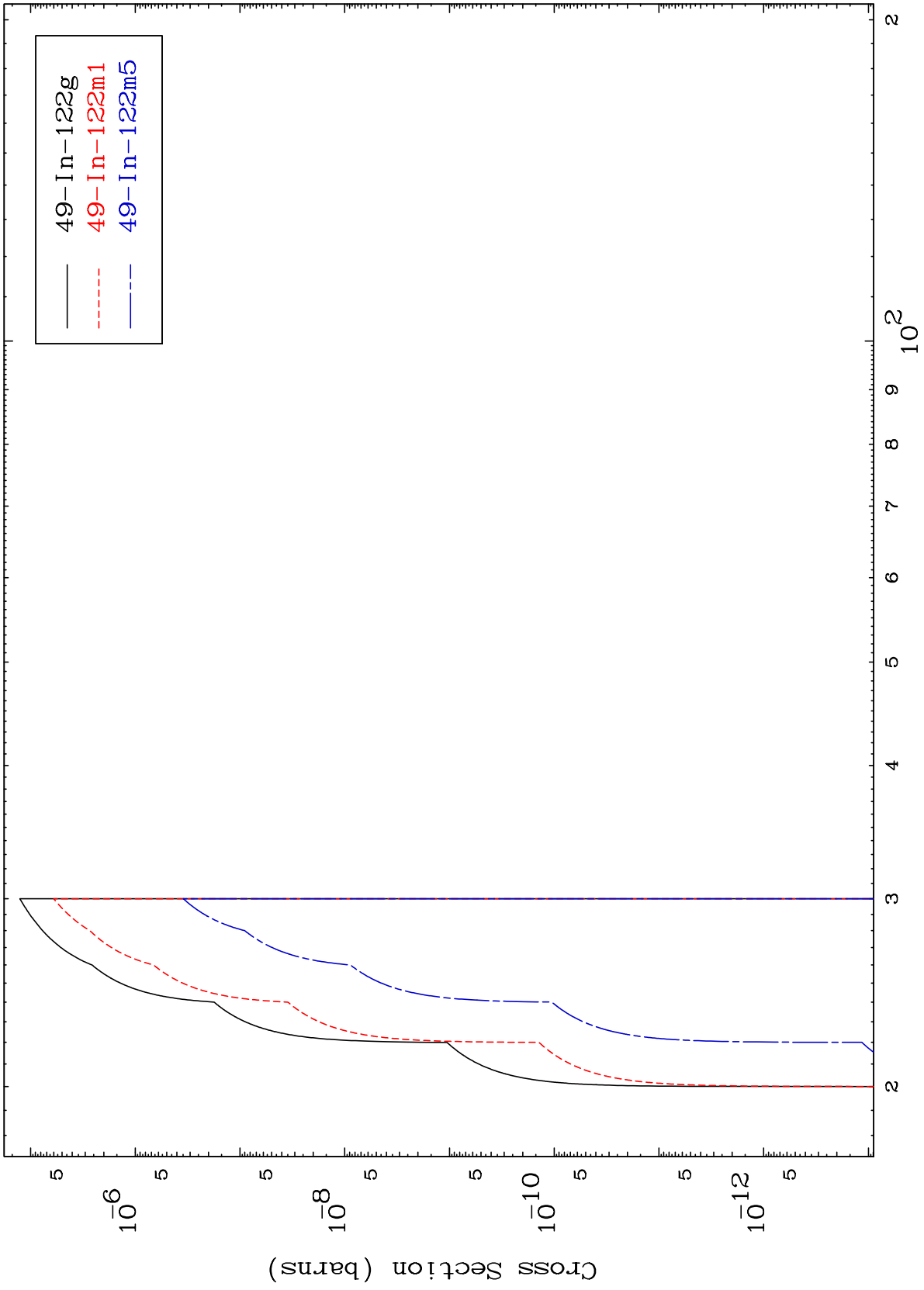
Incident Energy (MeV)

50-Sn-124

MAT 5061

50-Sn-124

(n,d)  
Radionuclide Production Cross Section



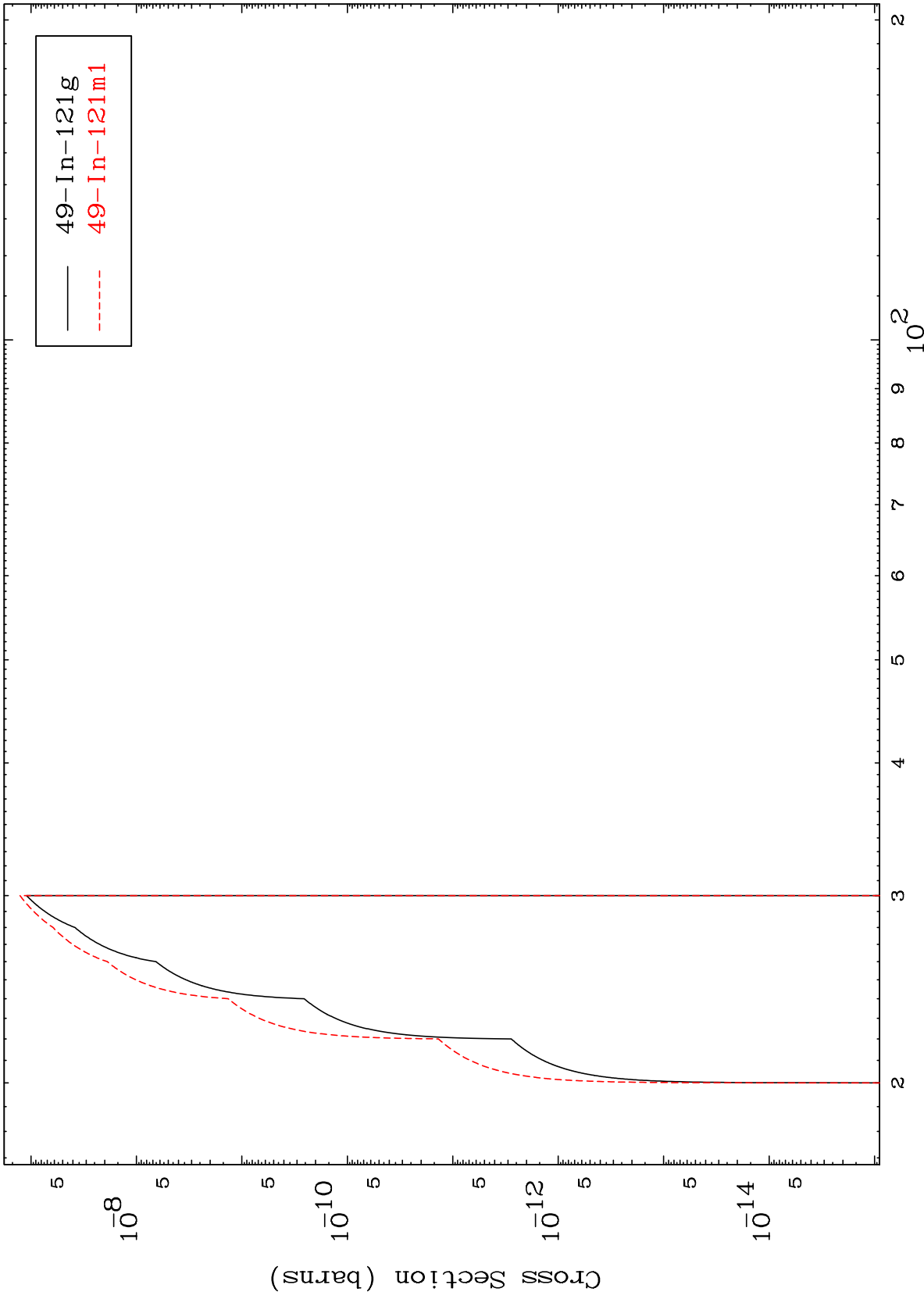
17

50-Sn-124

MAT 5061

50-Sn-124

(n, t)  
Radionuclide Production Cross Section



18

50-Sn-124