

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

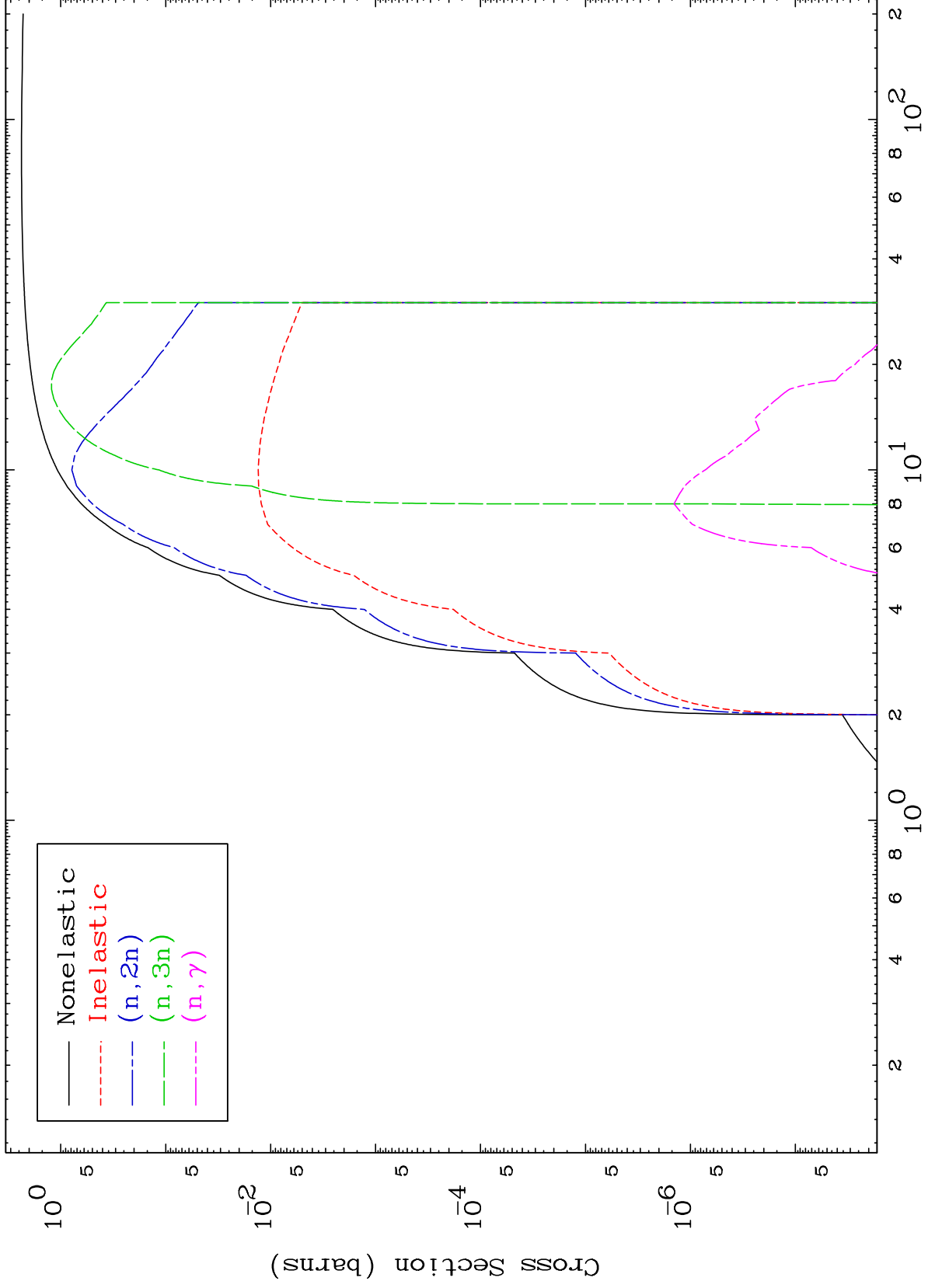
Web:redcullen1.net/HOMEPAGE.NEW

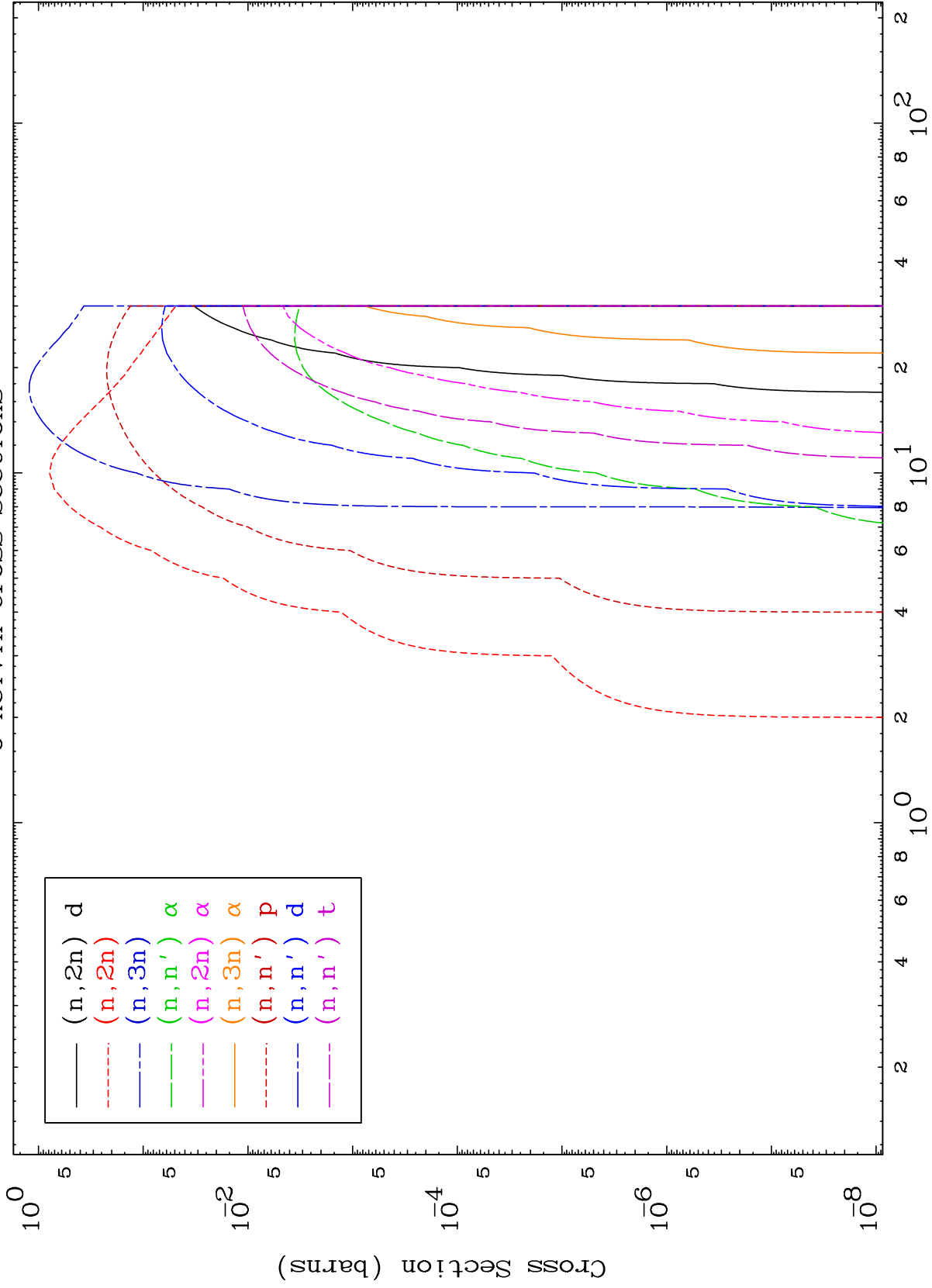
Press Mouse Button to Start

MAT 4864

Deuteron Major  
0 Kelvin Cross Sections

48-Cd-119

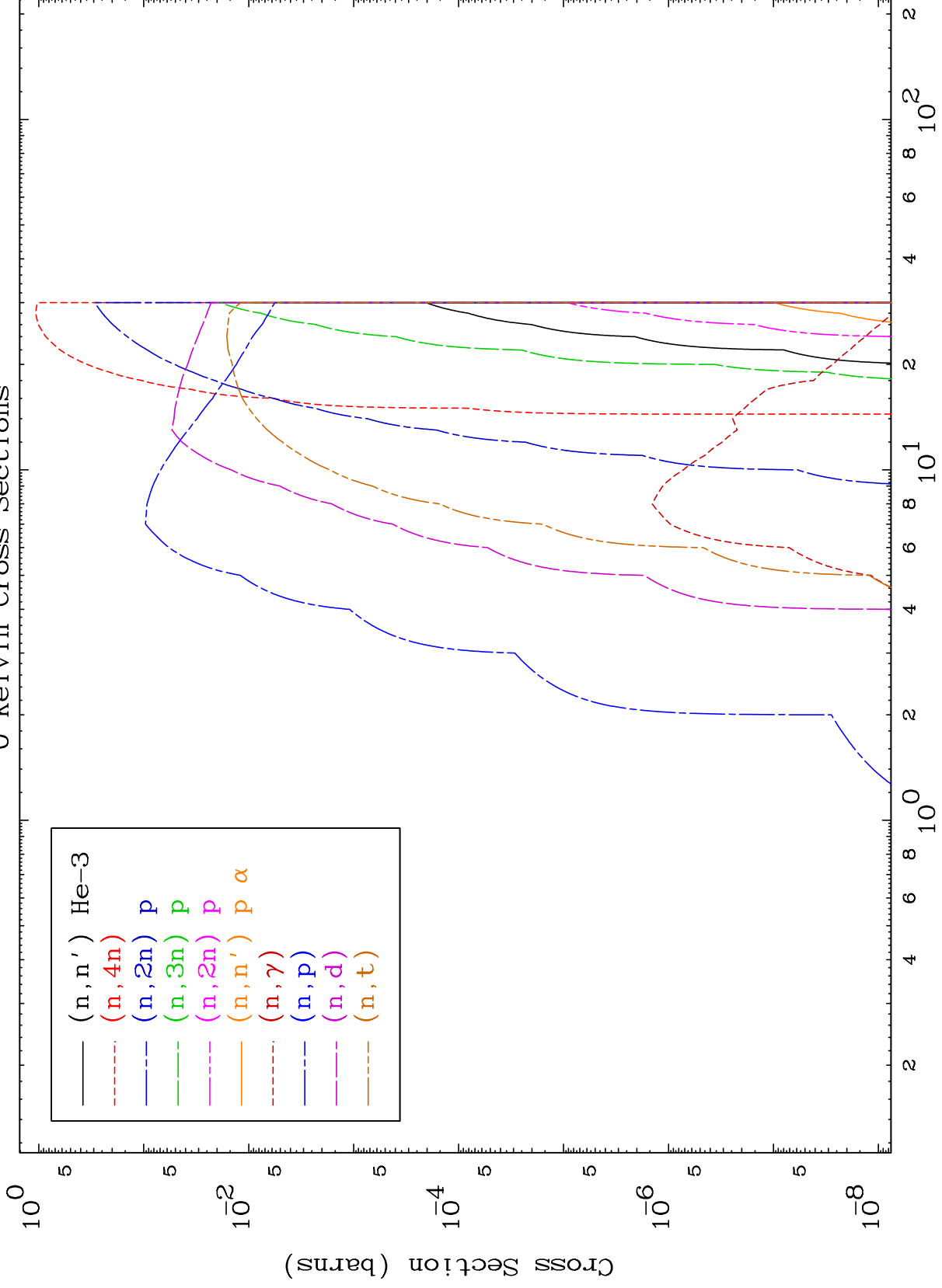




MAT 4864

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

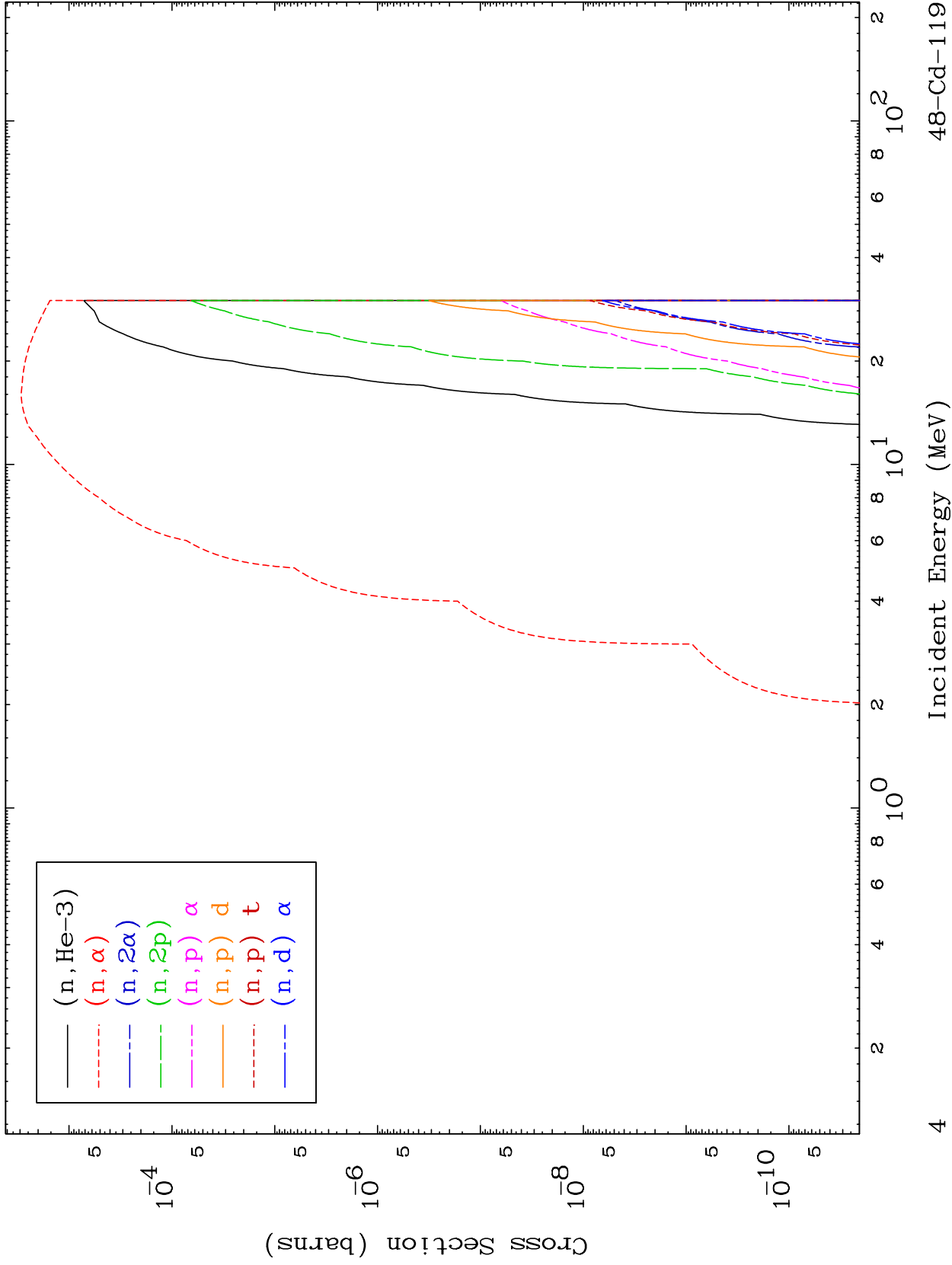
48-Cd-119



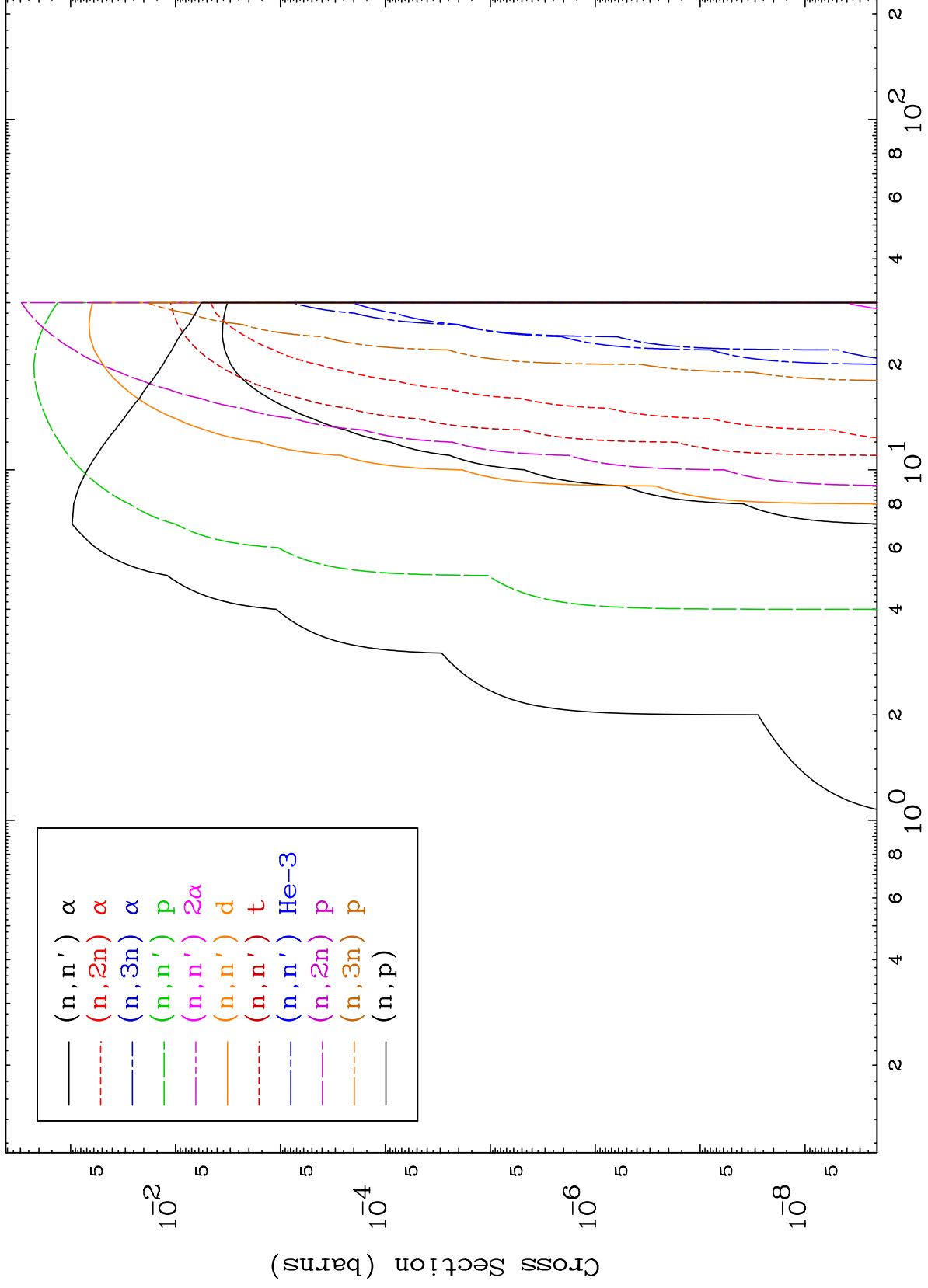
MAT 4864

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

48-Cd-119



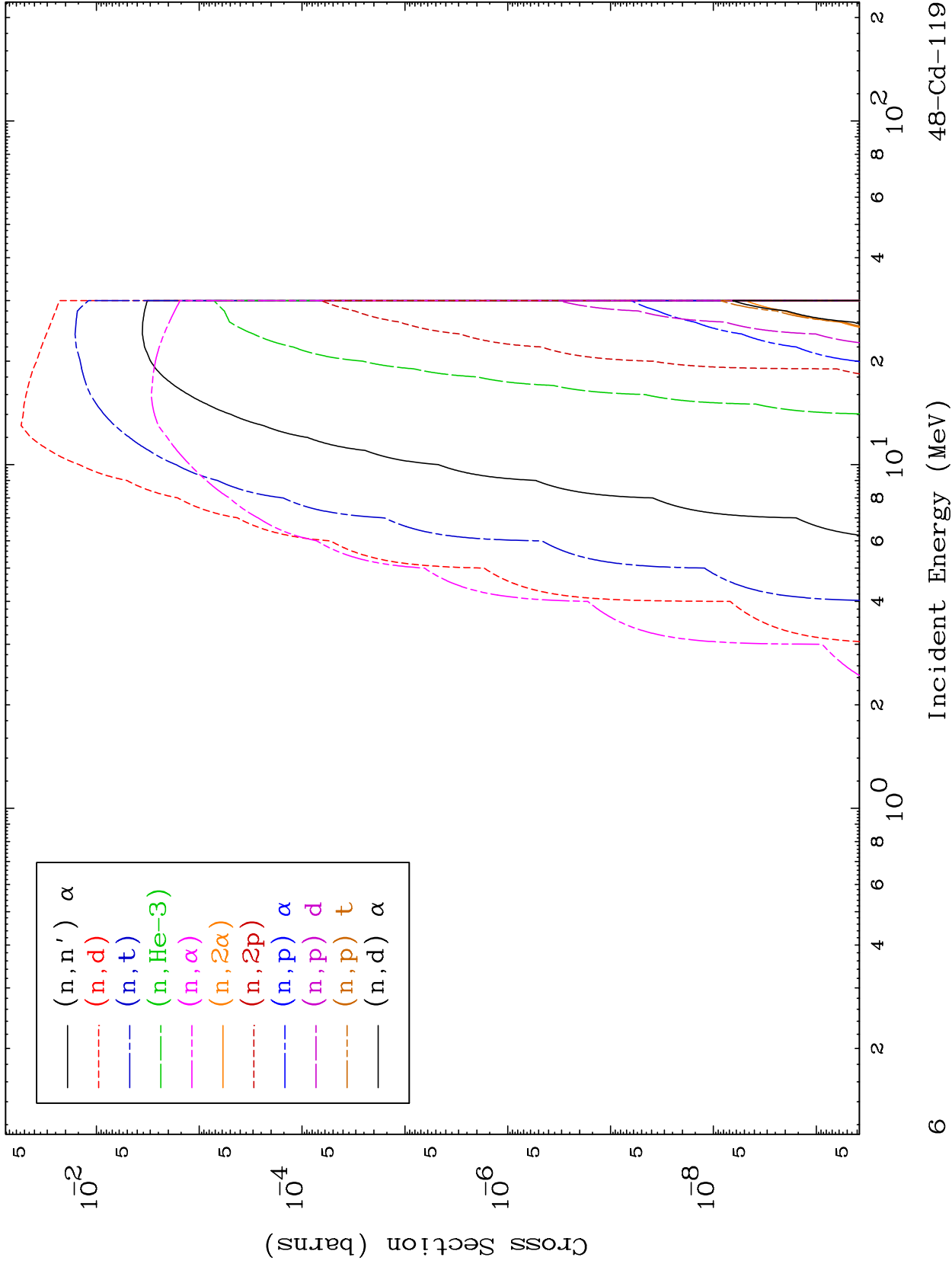
48-Cd-119



MAT 4864

Deuteron Charged Particle  
0 Kelvin Cross Sections

48-Cd-119



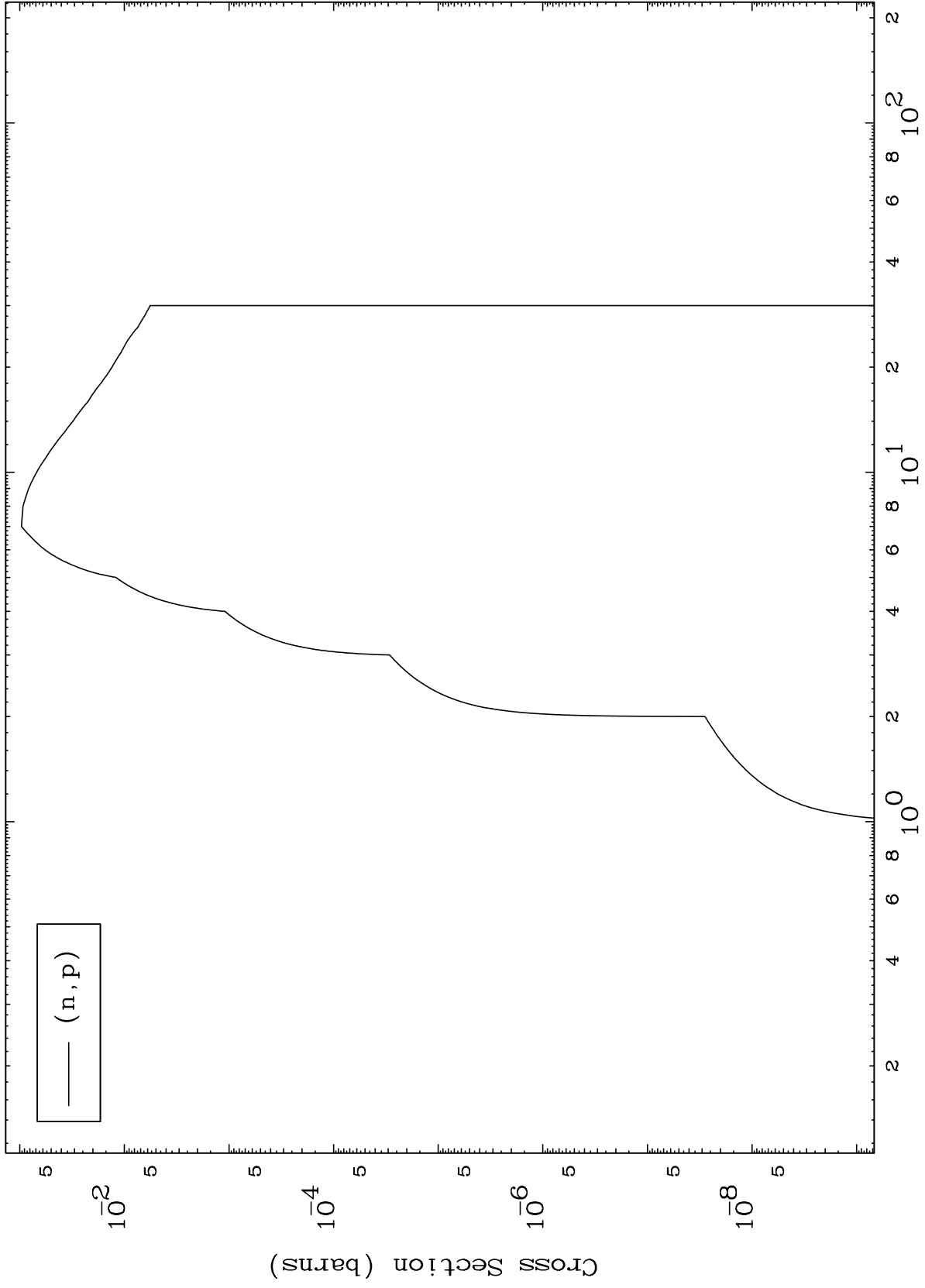
48-Cd-119

Incident Energy (MeV)

MAT 4864

(d,p) Levels  
0 Kelvin Cross Sections

48-Cd-119



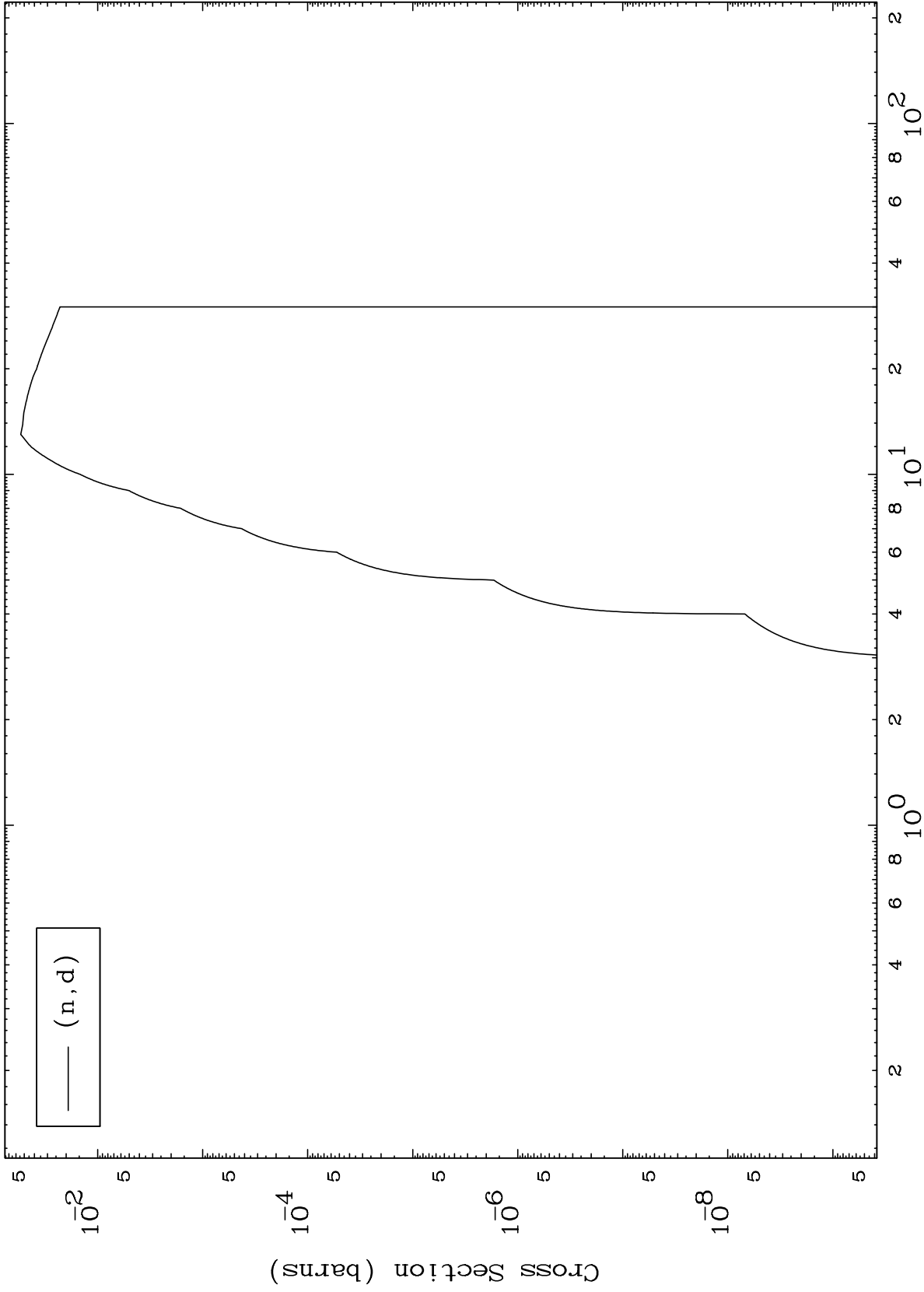


MAT 4864

(d,d) Levels

48-Cd-119

0 Kelvin Cross Sections



8

Incident Energy (MeV)

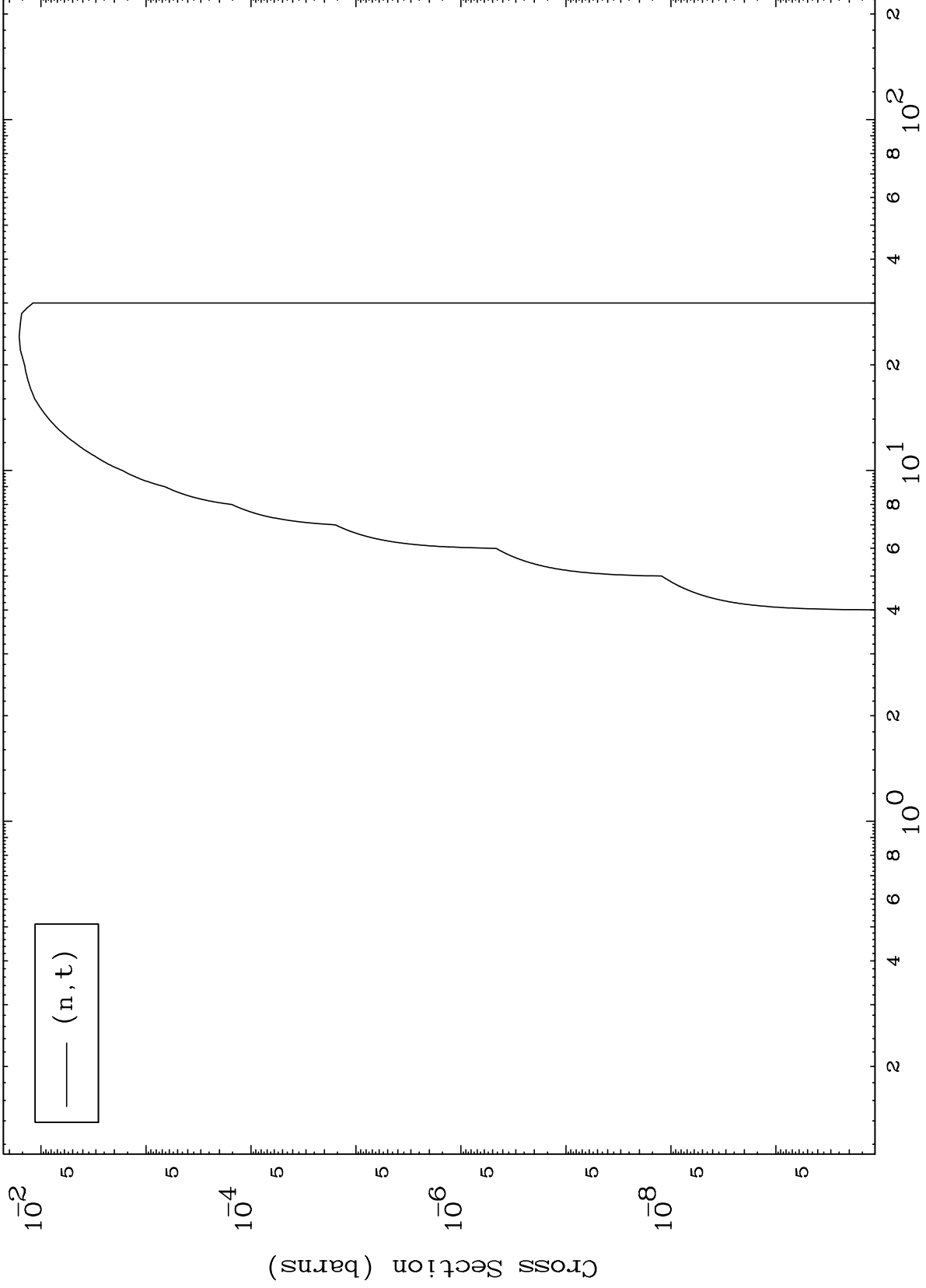
48-Cd-119

MAT 4864

(d,t) Levels

48-Cd-119

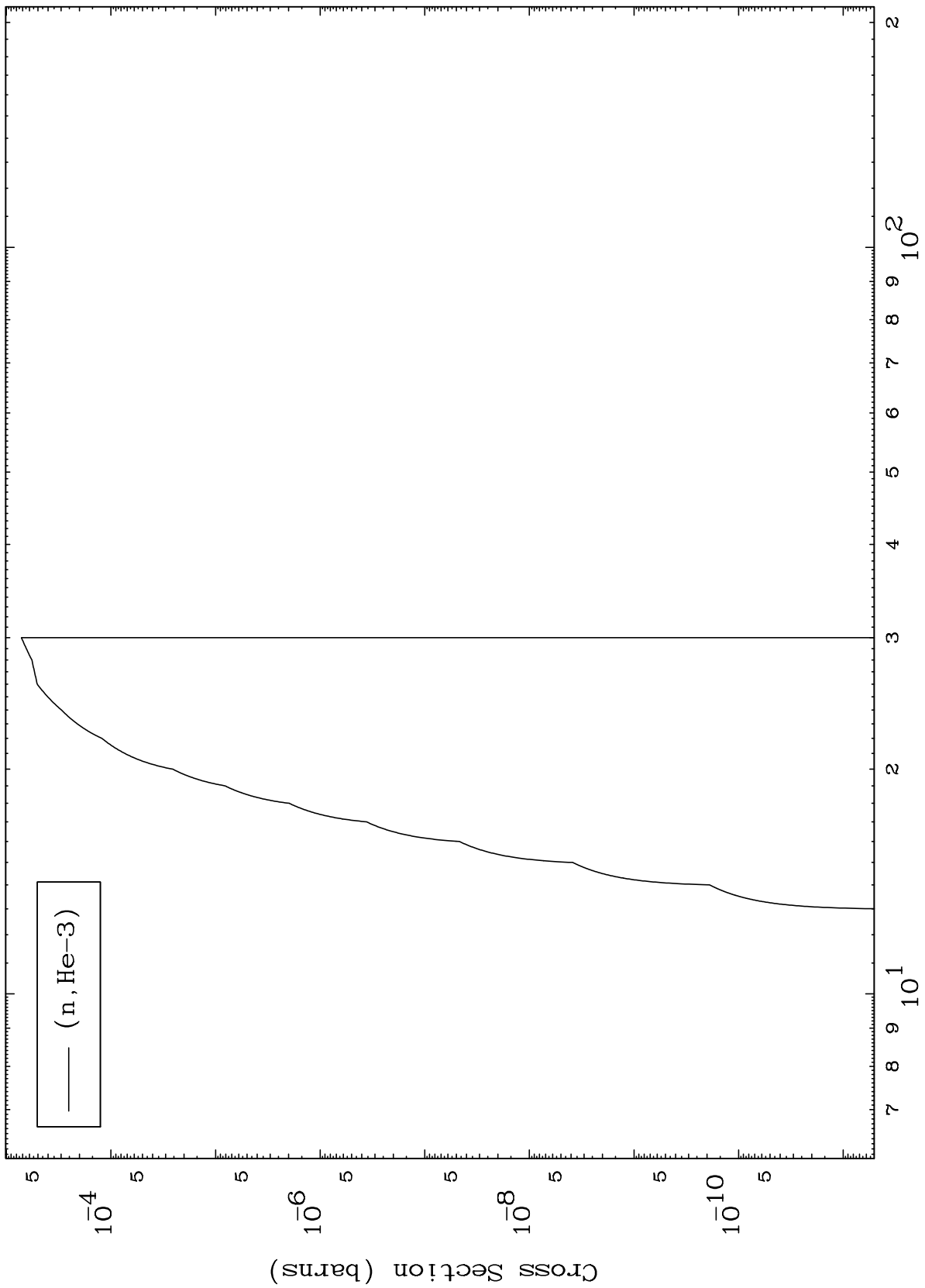
0 Kelvin Cross Sections



MAT 4864

48-Cd-119

(d,He3) Levels  
0 Kelvin Cross Sections



10

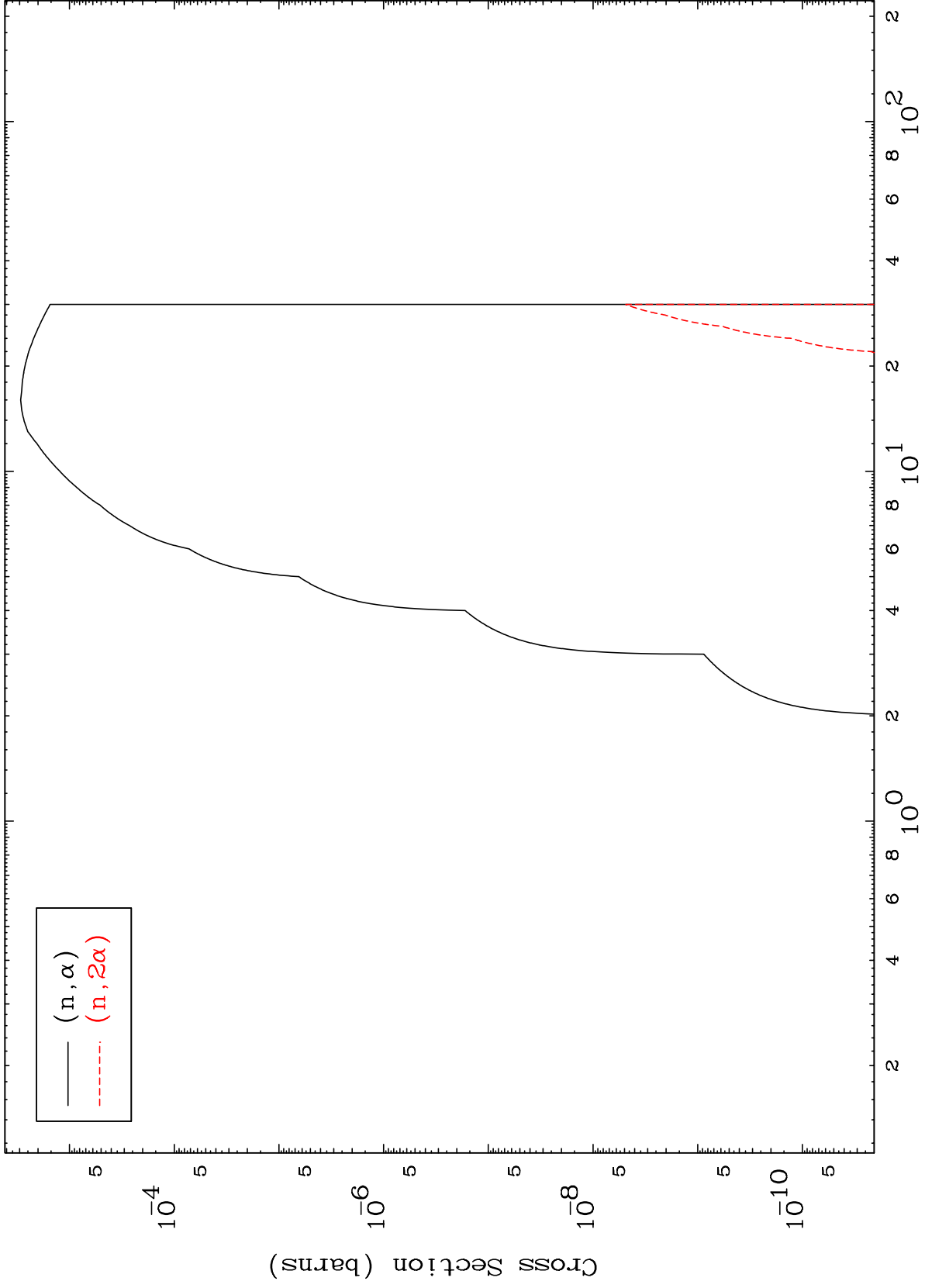
Incident Energy (MeV)

48-Cd-119

MAT 4864

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

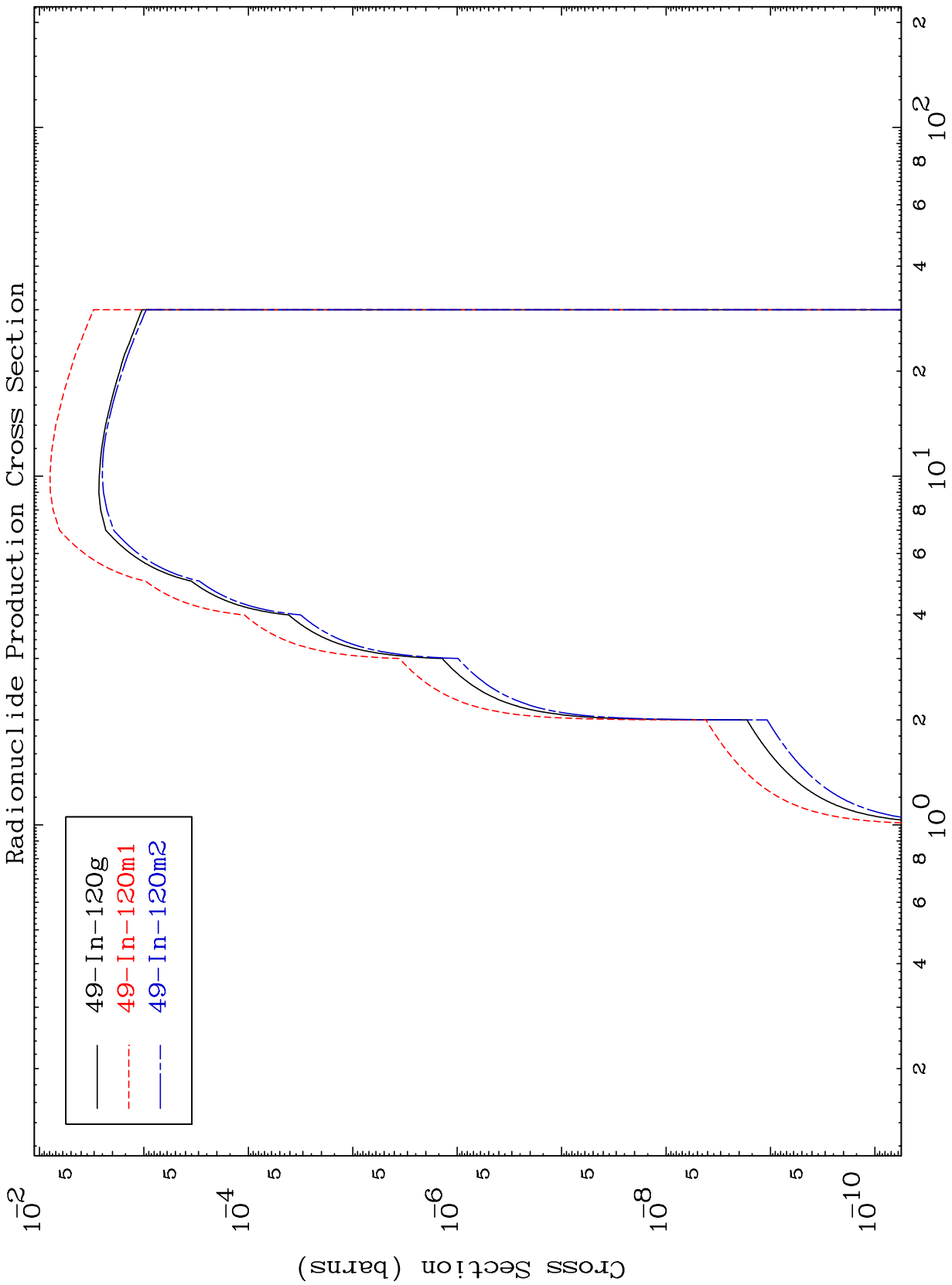
48-Cd-119



MAT 4864

48-Cd-119

Inelastic  
Radionuclide Production Cross Section



12

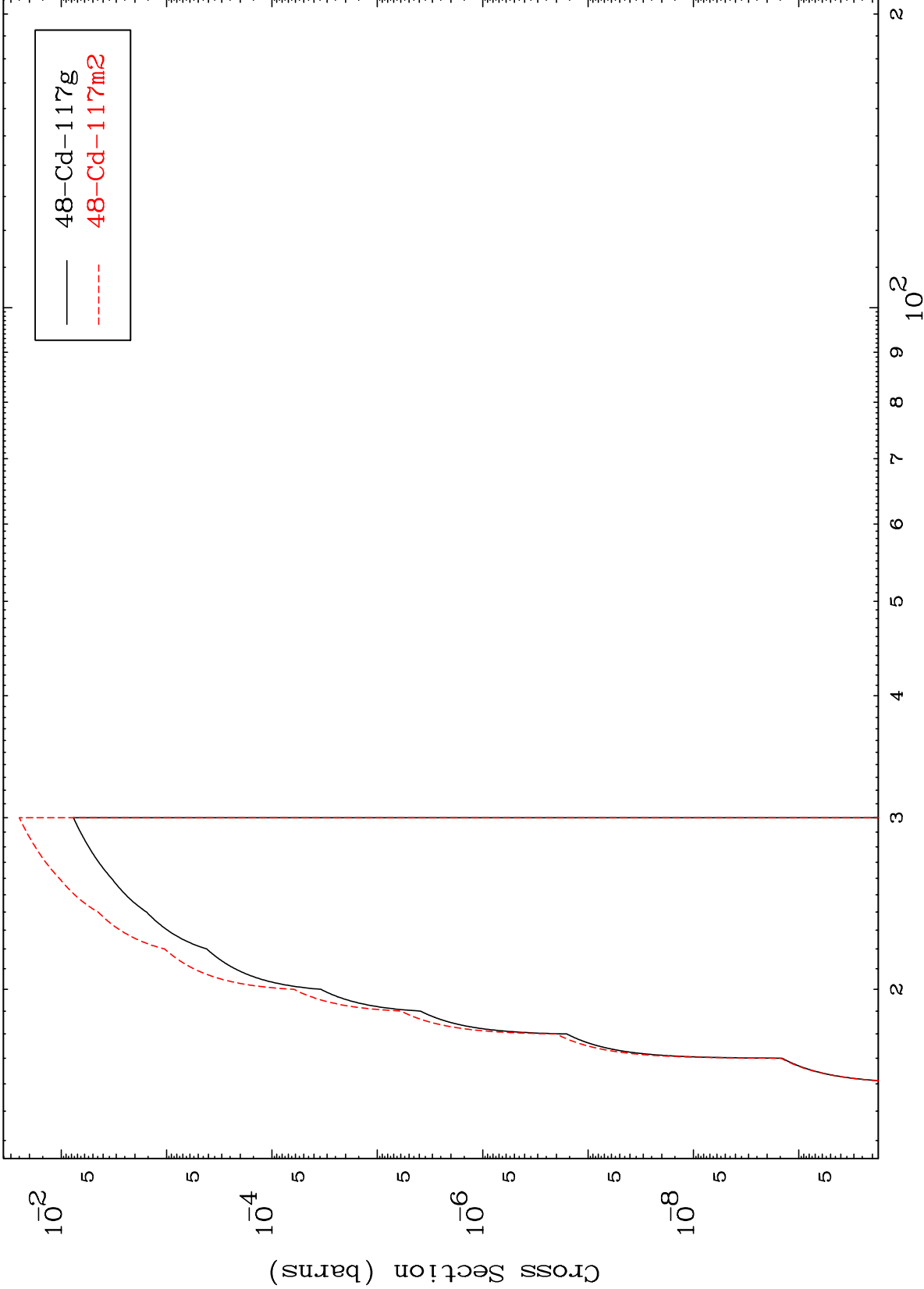
48-Cd-119

MAT 4864

(n,2n) d

48-Cd-119

Radionuclide Production Cross Section



13

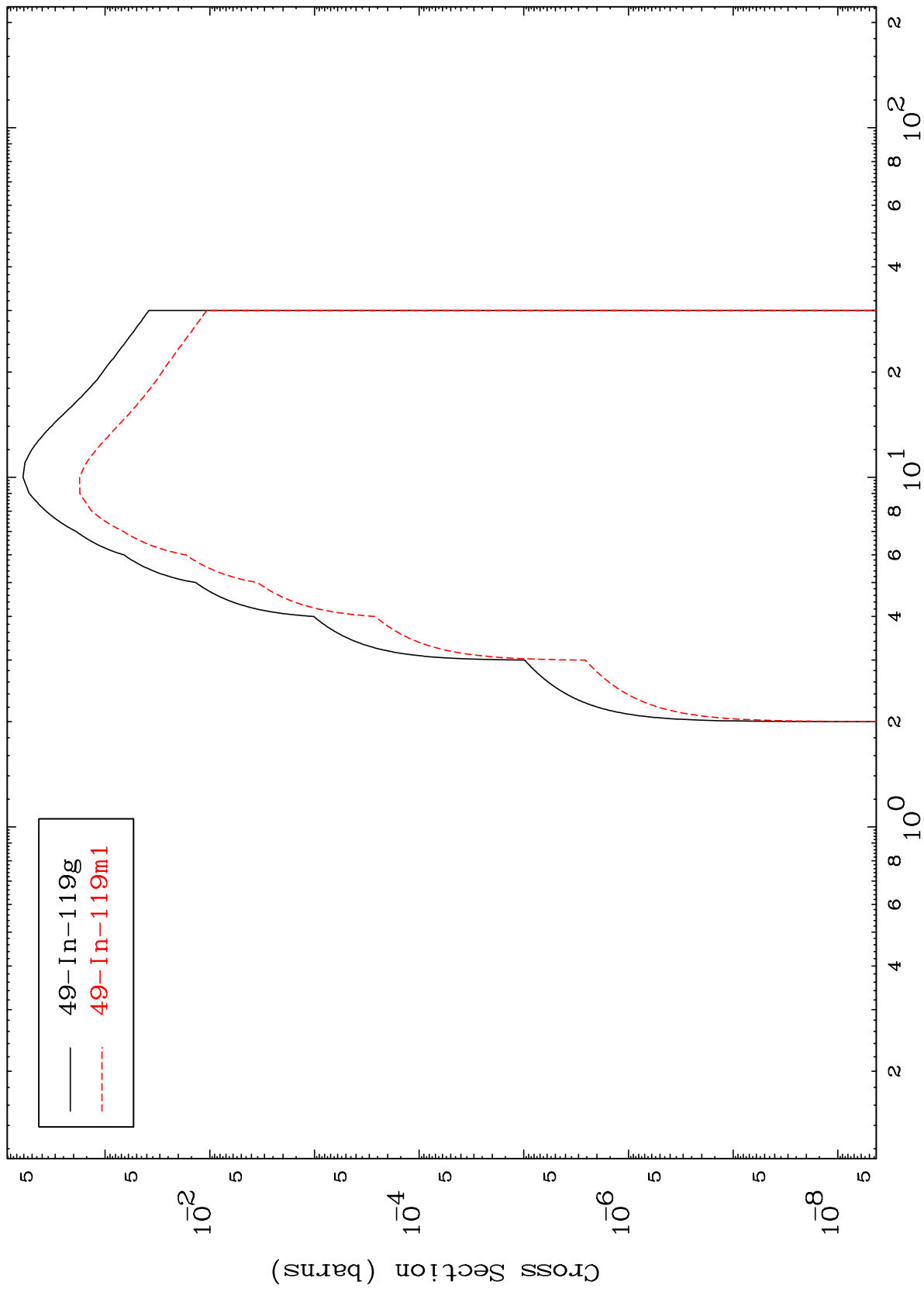
Incident Energy (MeV)

48-Cd-119

MAT 4864

48-Cd-119

Radionuclide Production Cross Section



48-Cd-119

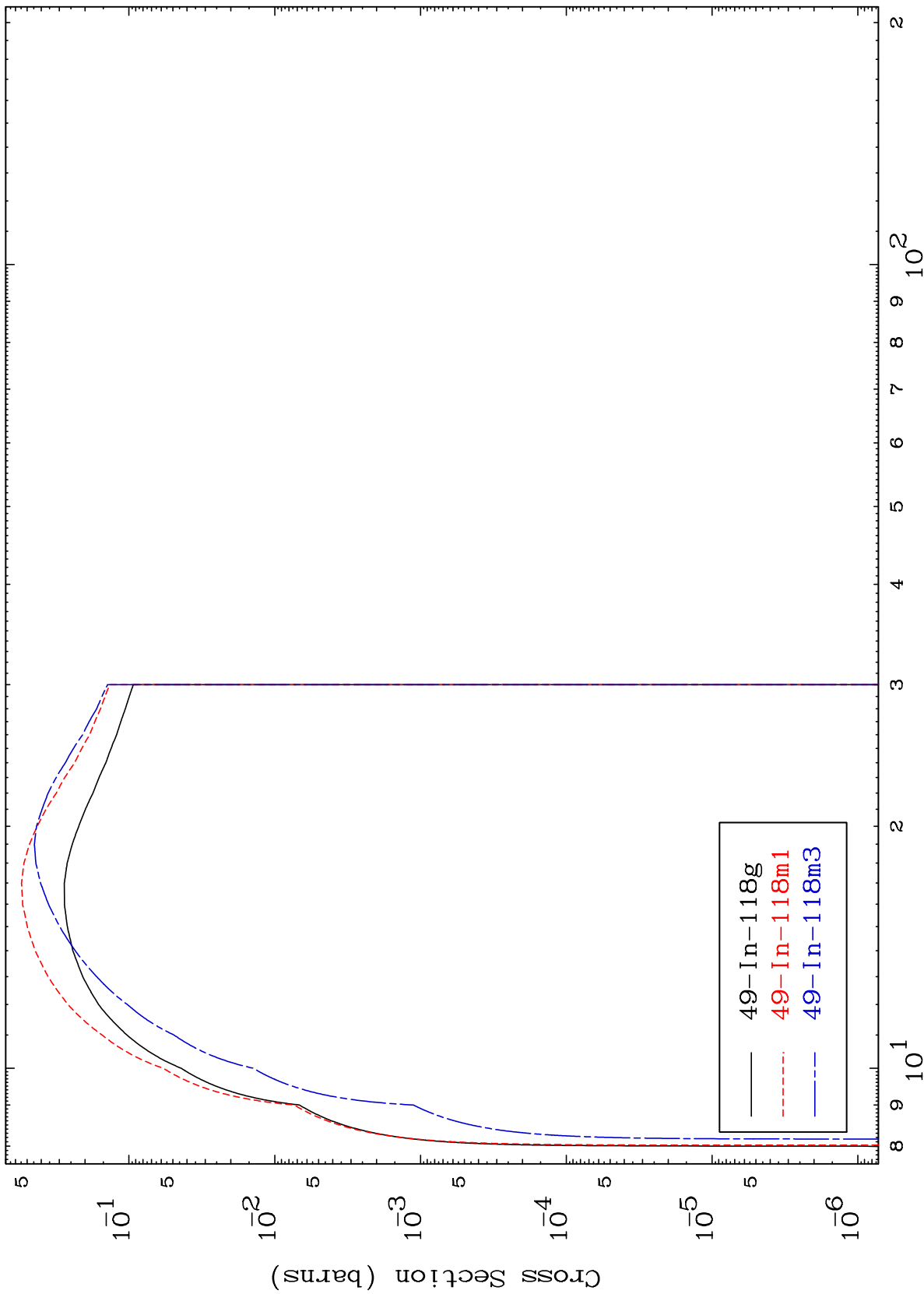
Incident Energy (MeV)

14

MAT 4864

48-Cd-119

(n,3n)  
Radionuclide Production Cross Section



48-Cd-119

Incident Energy (MeV)

15

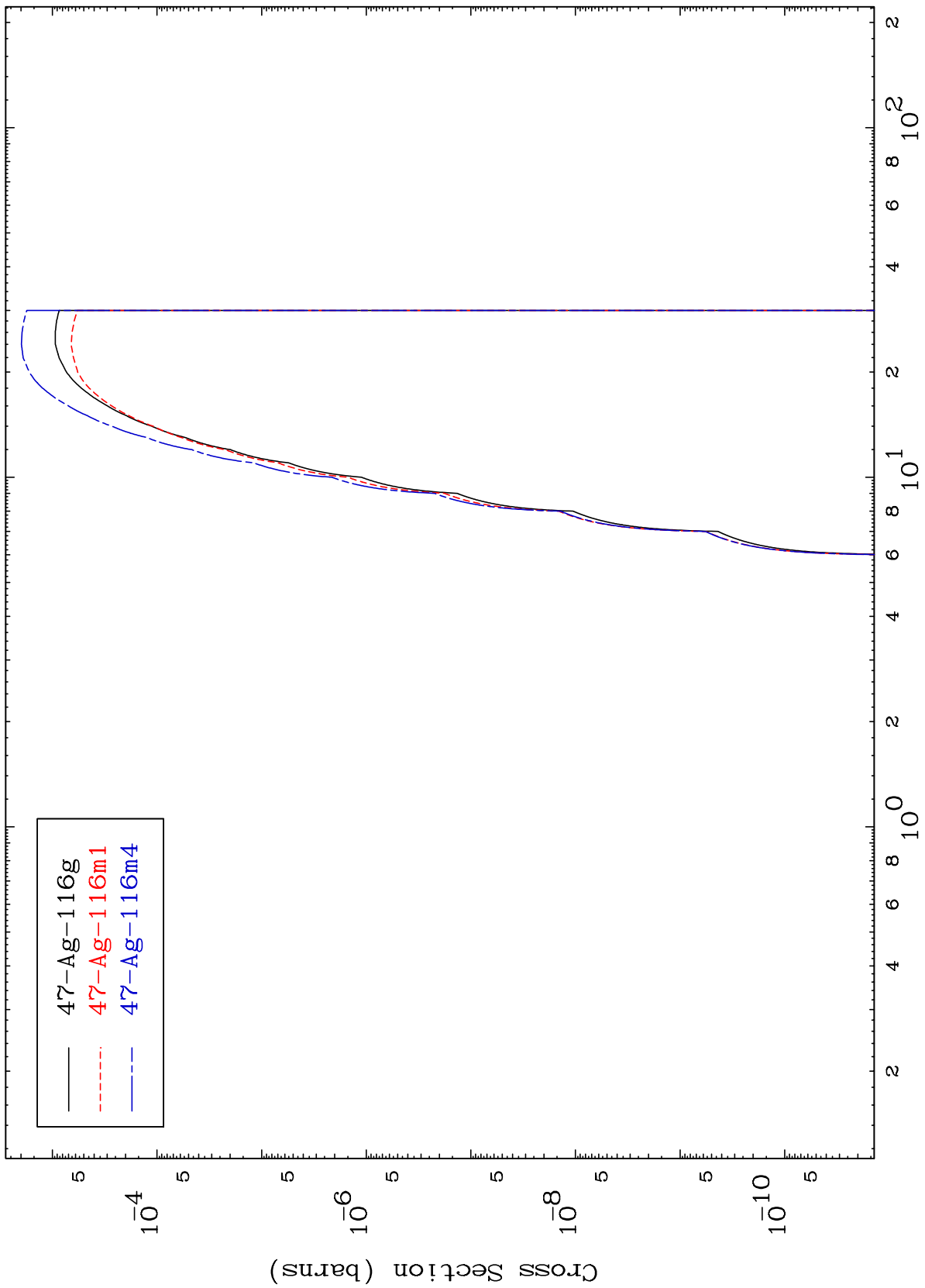


MAT 4864

(n,n')  $\alpha$

48-Cd-119

Radionuclide Production Cross Section



16

Incident Energy (MeV)

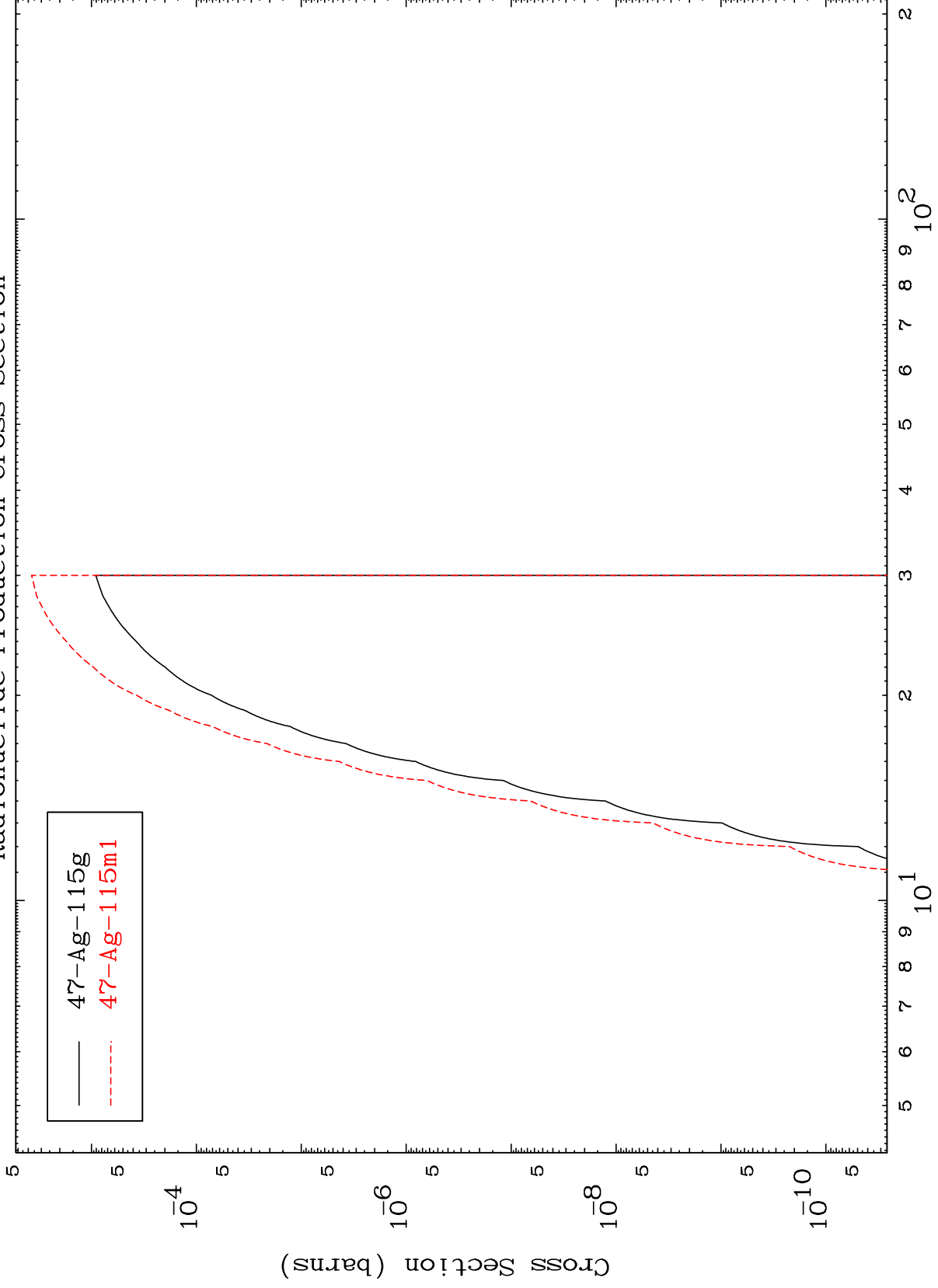
48-Cd-119

MAT 4864

(n,2n)  $\alpha$

48-Cd-119

Radionuclide Production Cross Section

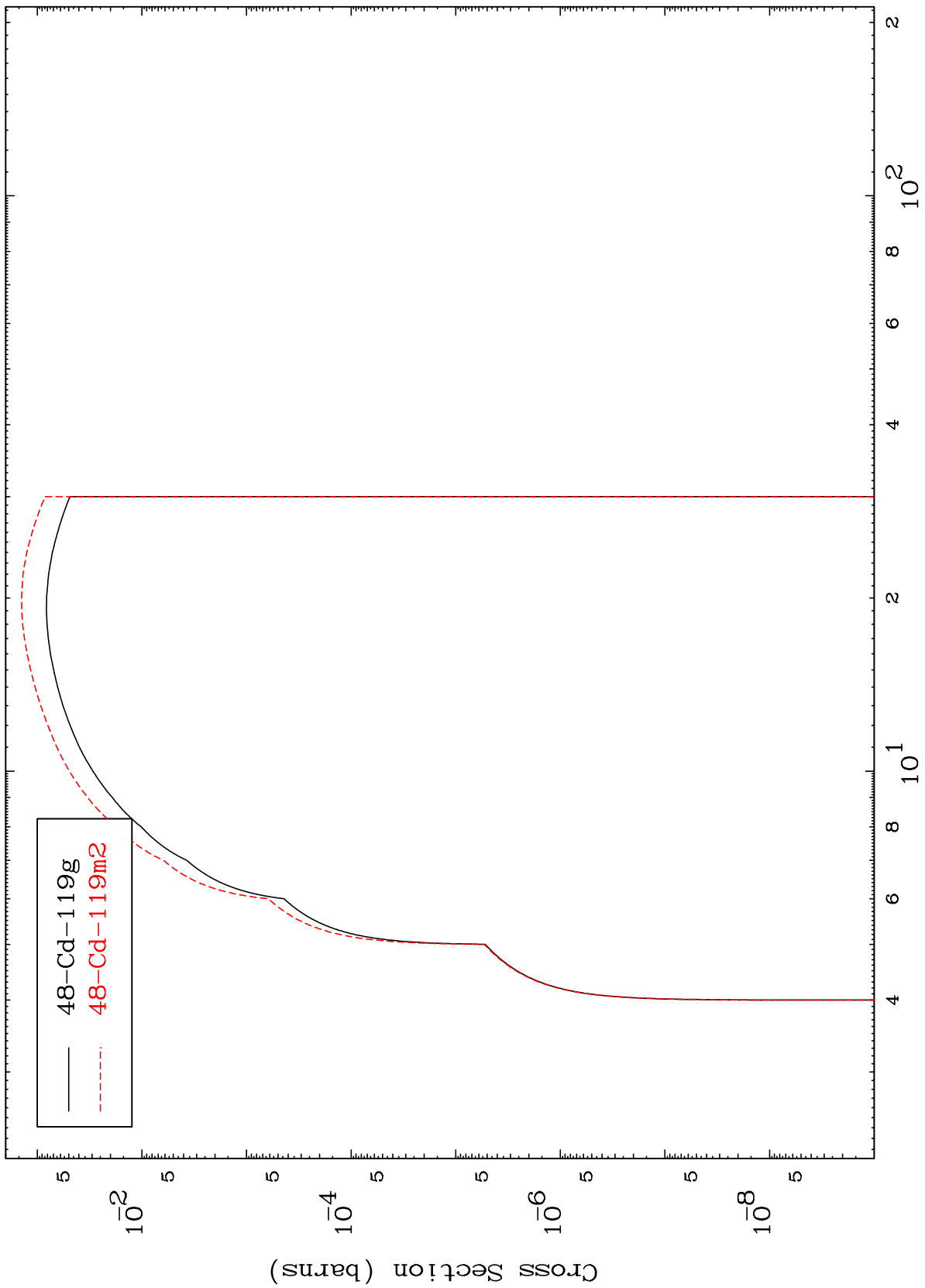


Legend:  
— 47-Ag-115g  
- - - 47-Ag-115m1

MAT 4864

48-Cd-119

(n,n') p  
Radionuclide Production Cross Section



18

48-Cd-119

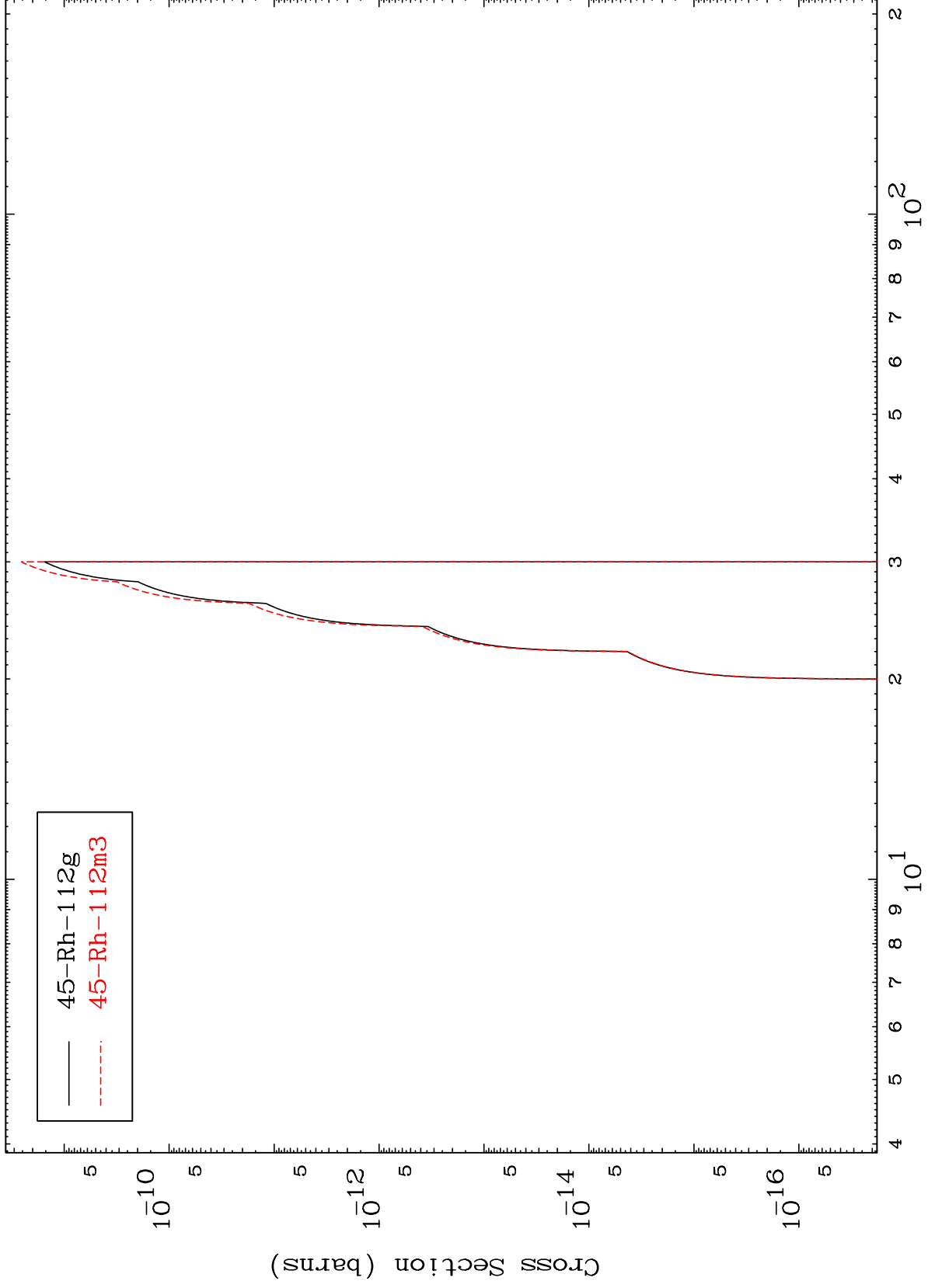
Incident Energy (MeV)

MAT 4864

(n,n') 2α

48-Cd-119

Radionuclide Production Cross Section



19

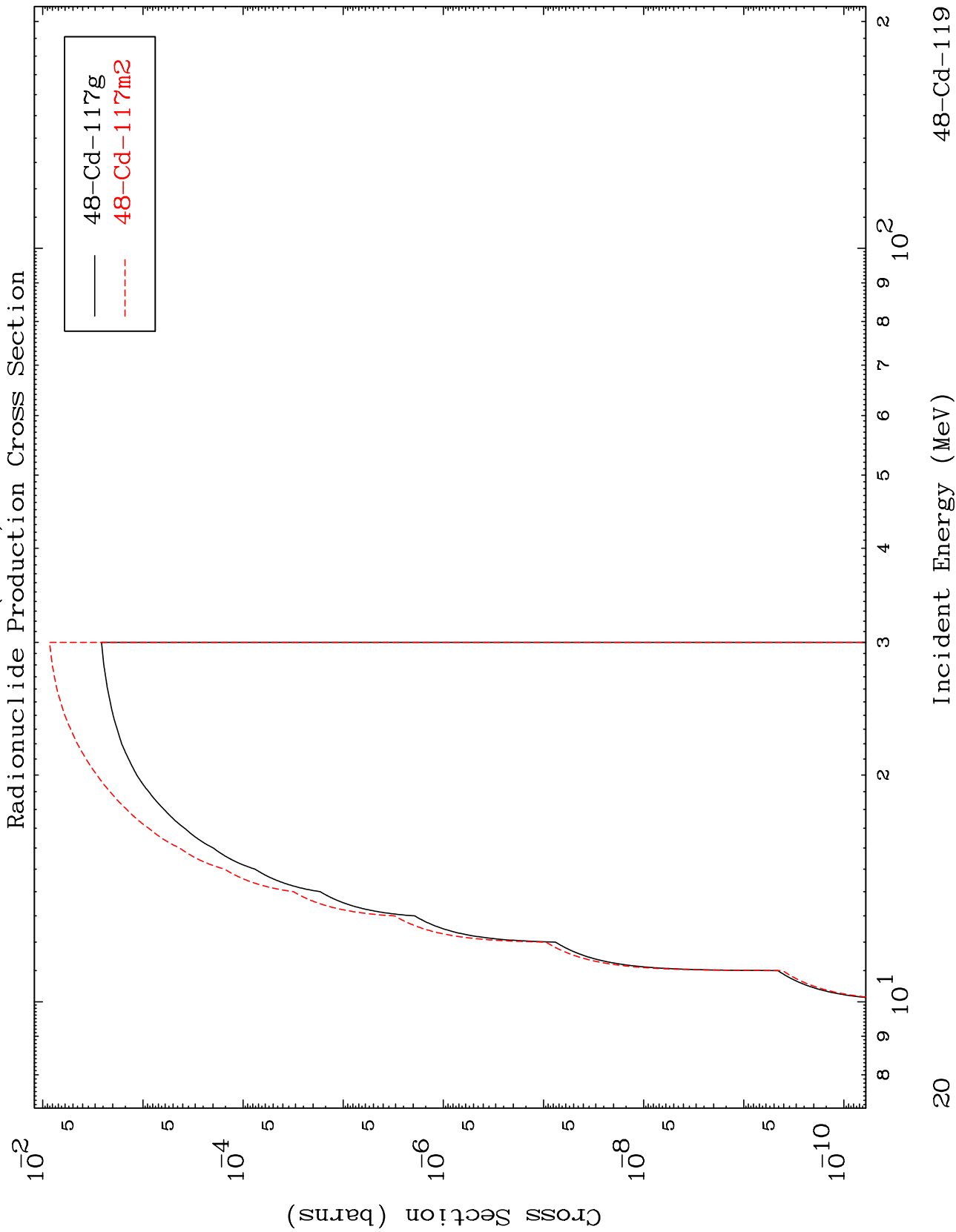
Incident Energy (MeV)

48-Cd-119

MAT 4864

(n,n') t

48-Cd-119

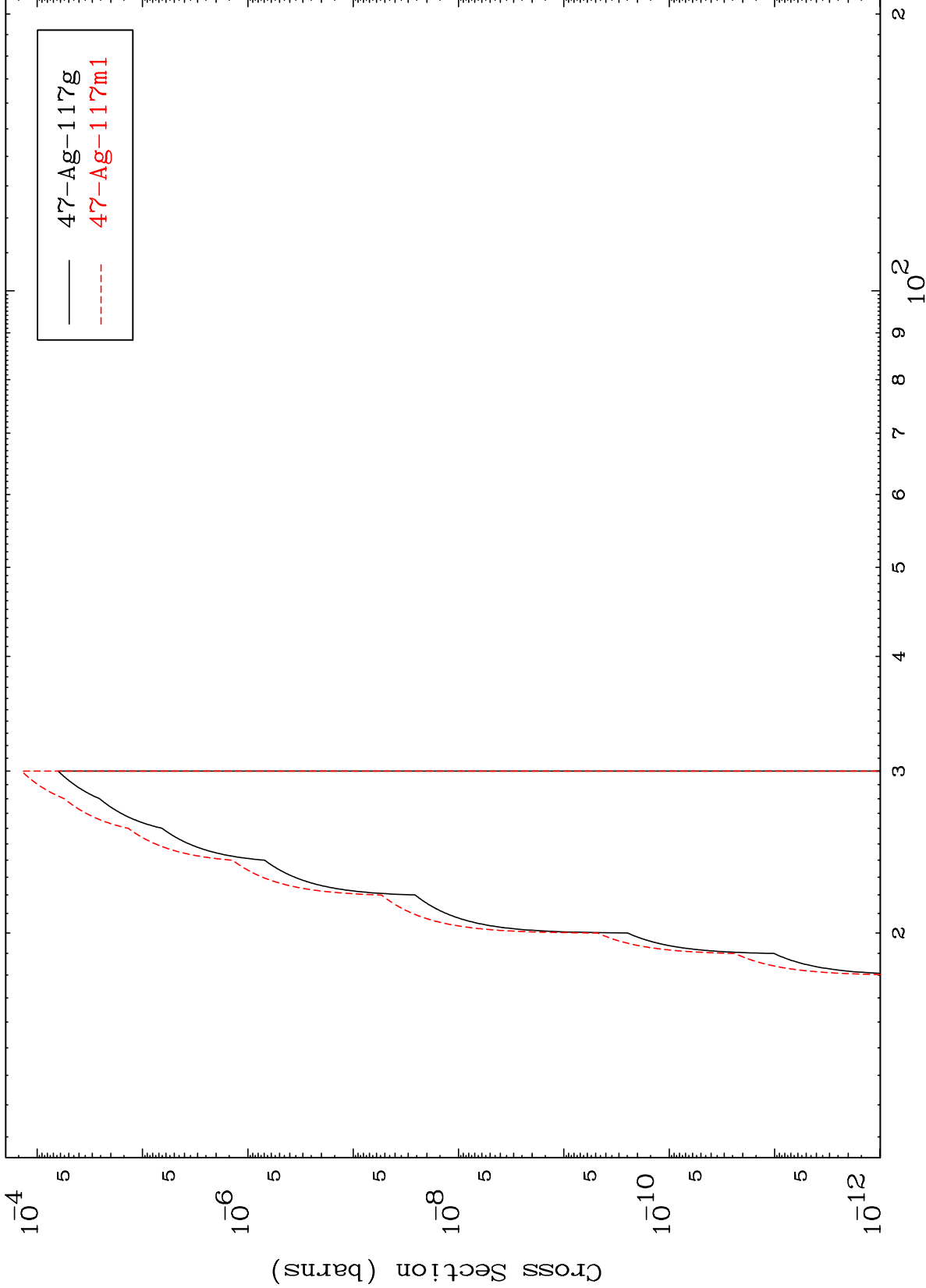


20

Incident Energy (MeV)

48-Cd-119

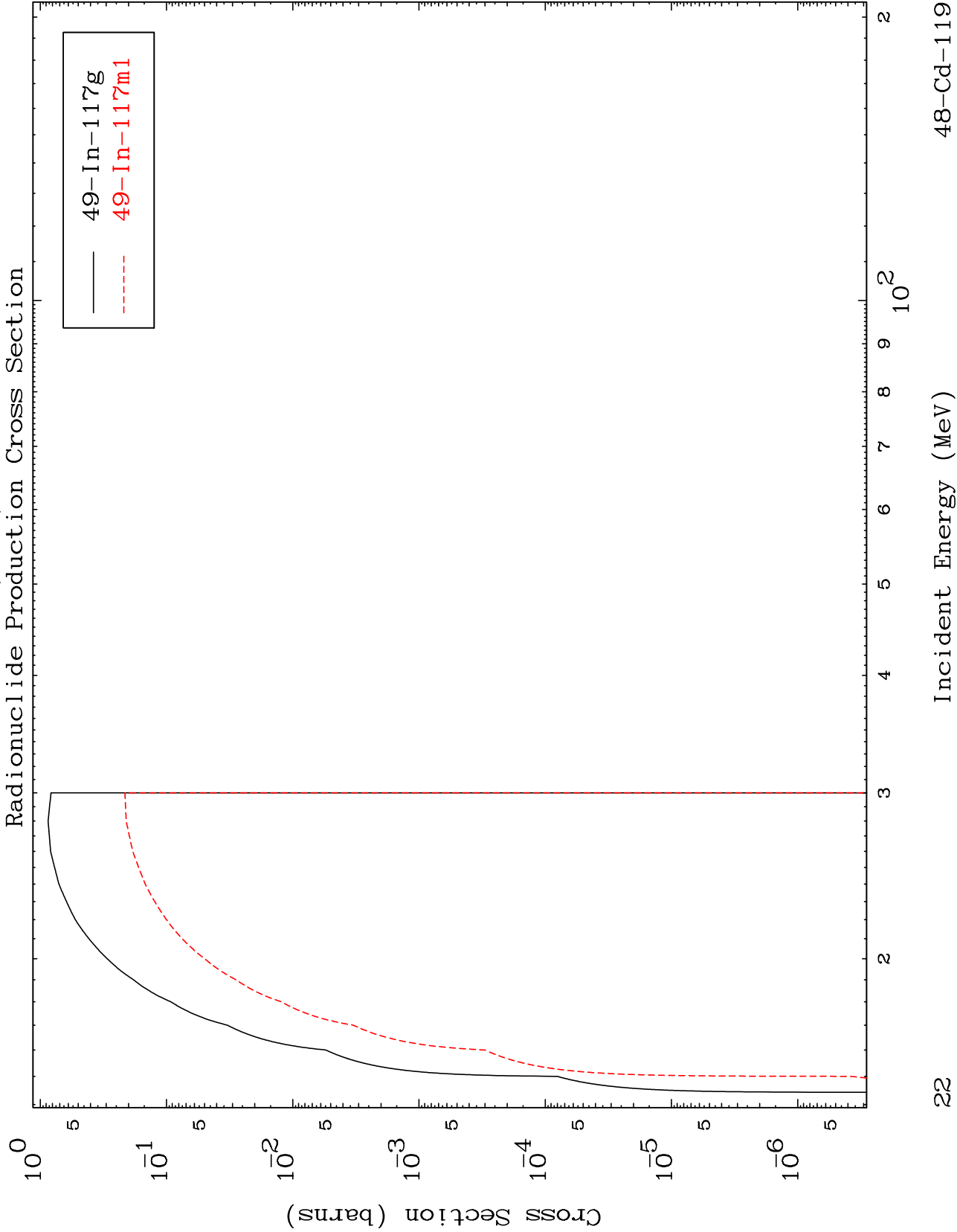
Radionuclide Production Cross Section



MAT 4864

(n,4n)

48-Cd-119

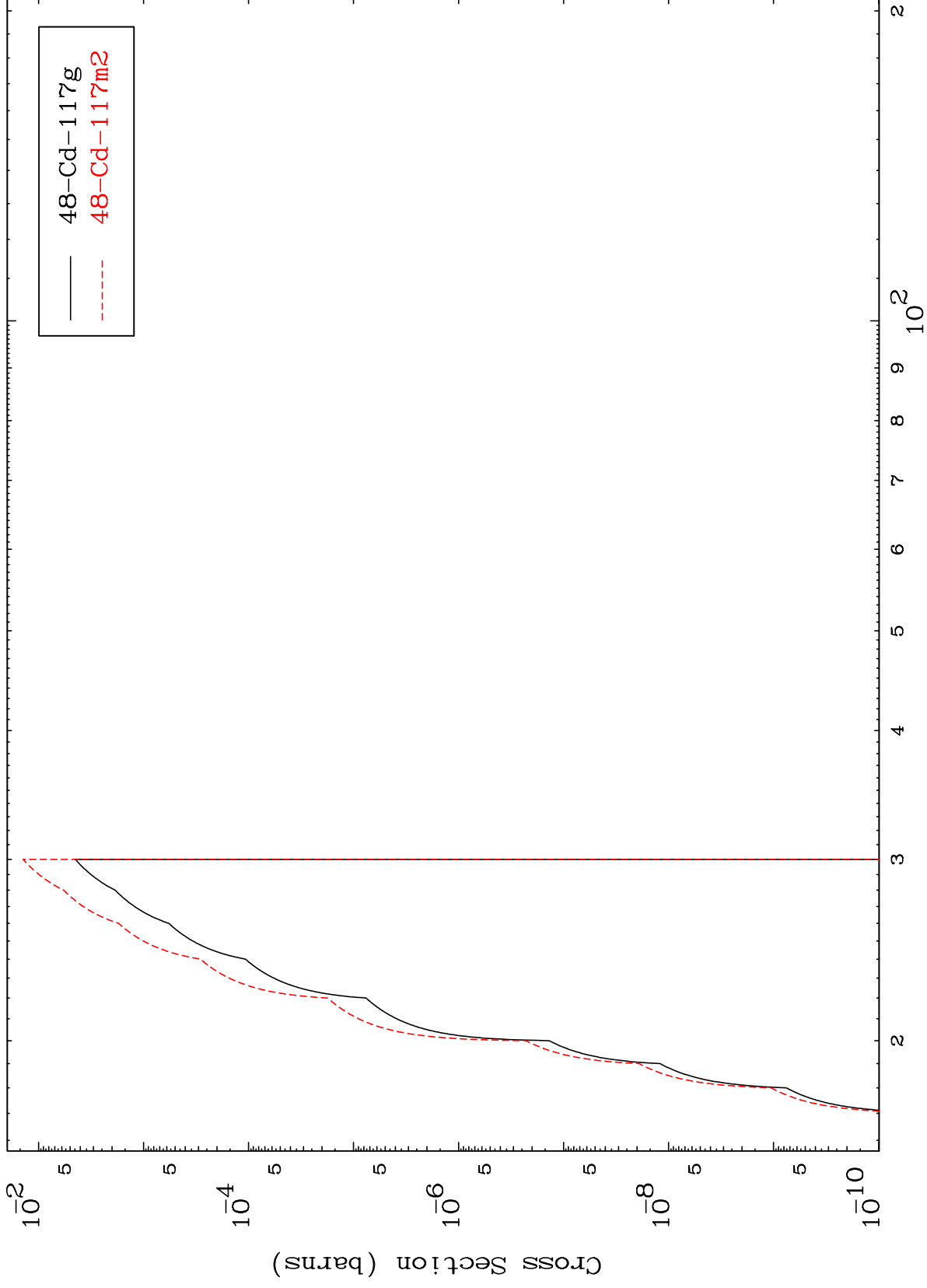


MAT 4864

(n,3n) p

48-Cd-119

Radionuclide Production Cross Section



23

Incident Energy (MeV)

48-Cd-119

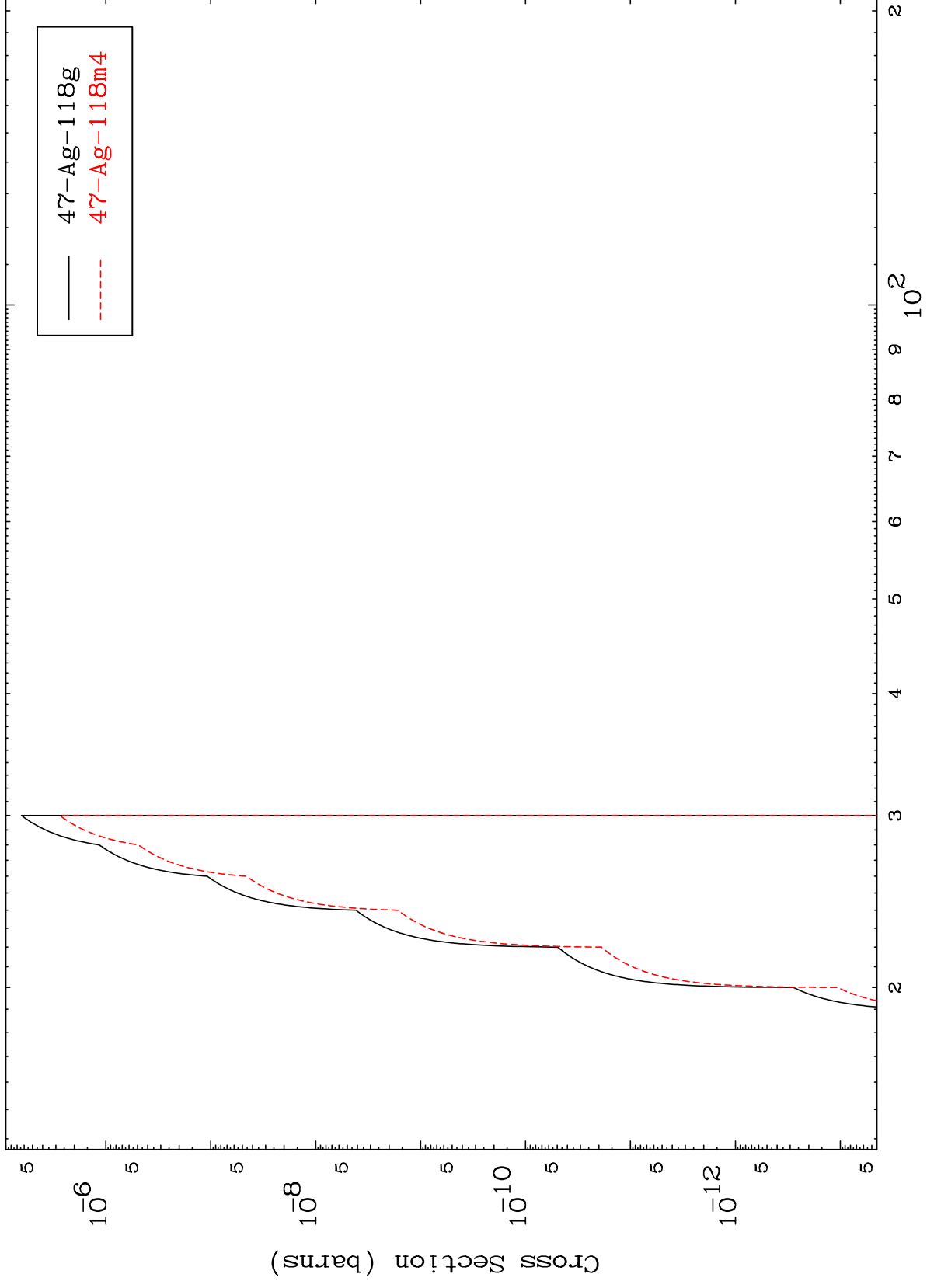


MAT 4864

(n,2n) p

48-Cd-119

Radionuclide Production Cross Section



24

Incident Energy (MeV)

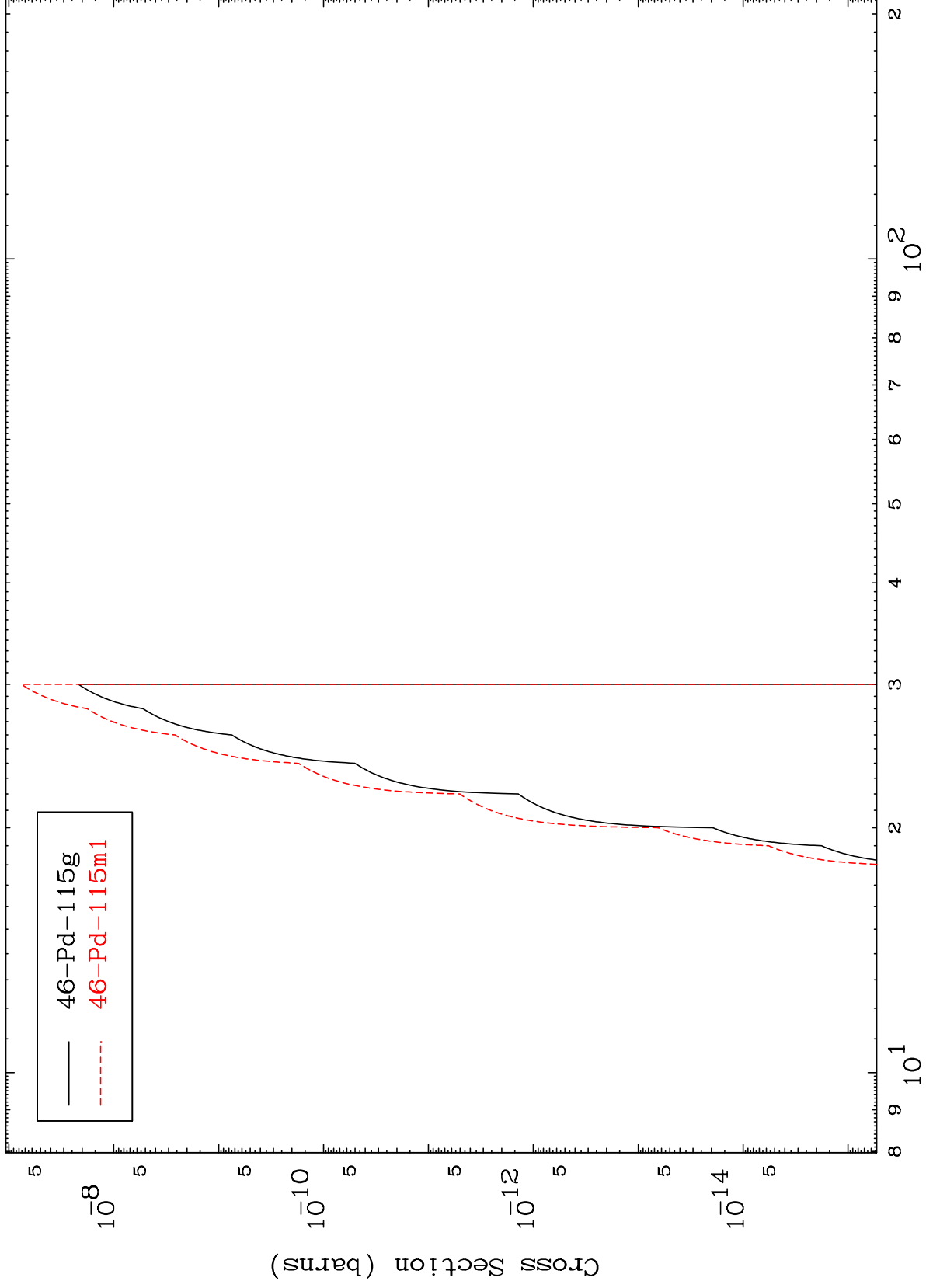
48-Cd-119

MAT 4864

(n,n') p  $\alpha$

48-Cd-119

Radionuclide Production Cross Section



25

Incident Energy (MeV)

48-Cd-119

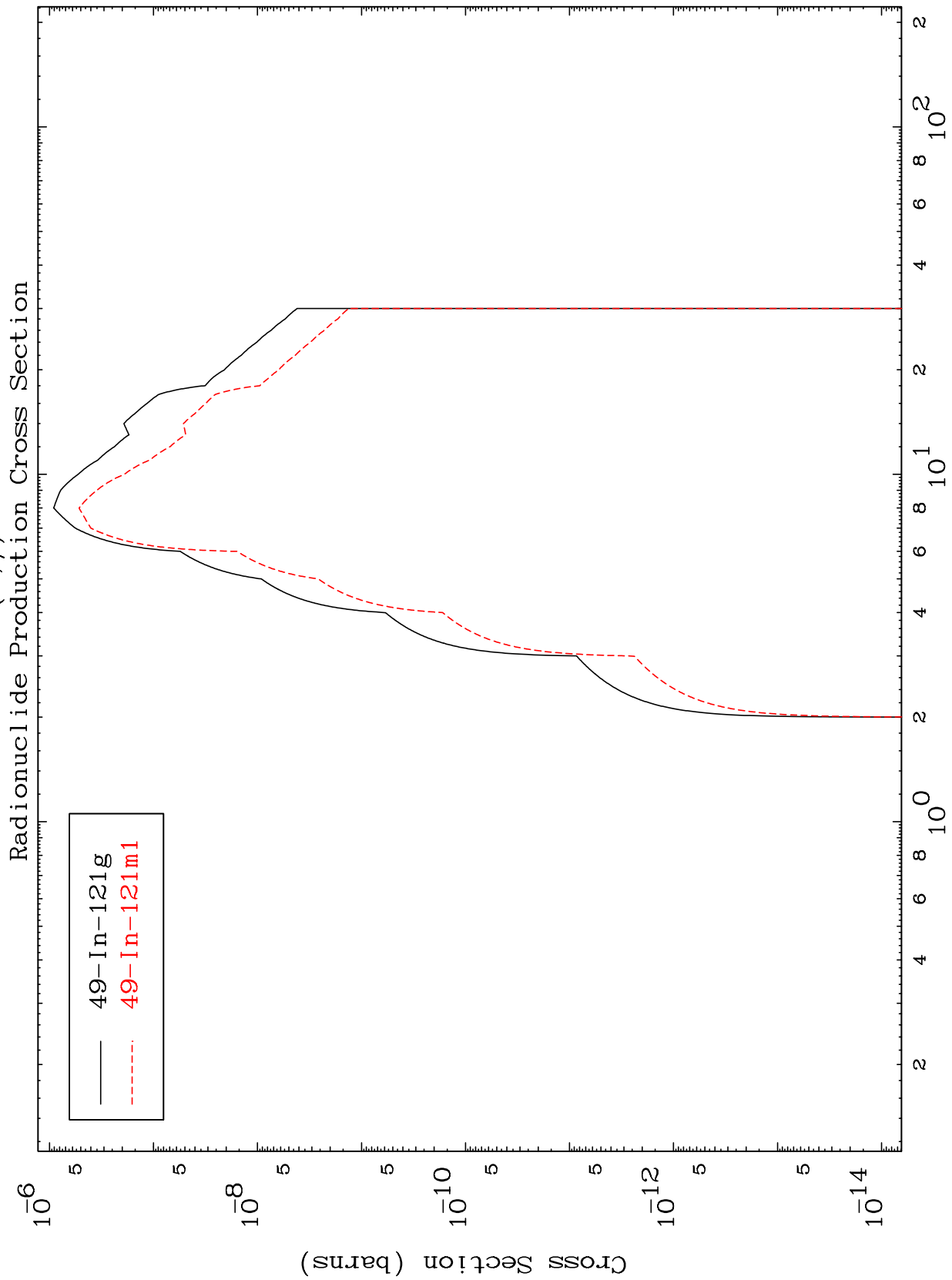
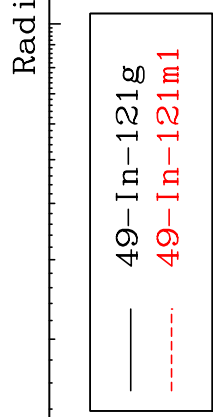
MAT 4864

48-Cd-119

Radionuclide Production Cross Section

(n,  $\gamma$ )

48-Cd-119



26

Incident Energy (MeV)

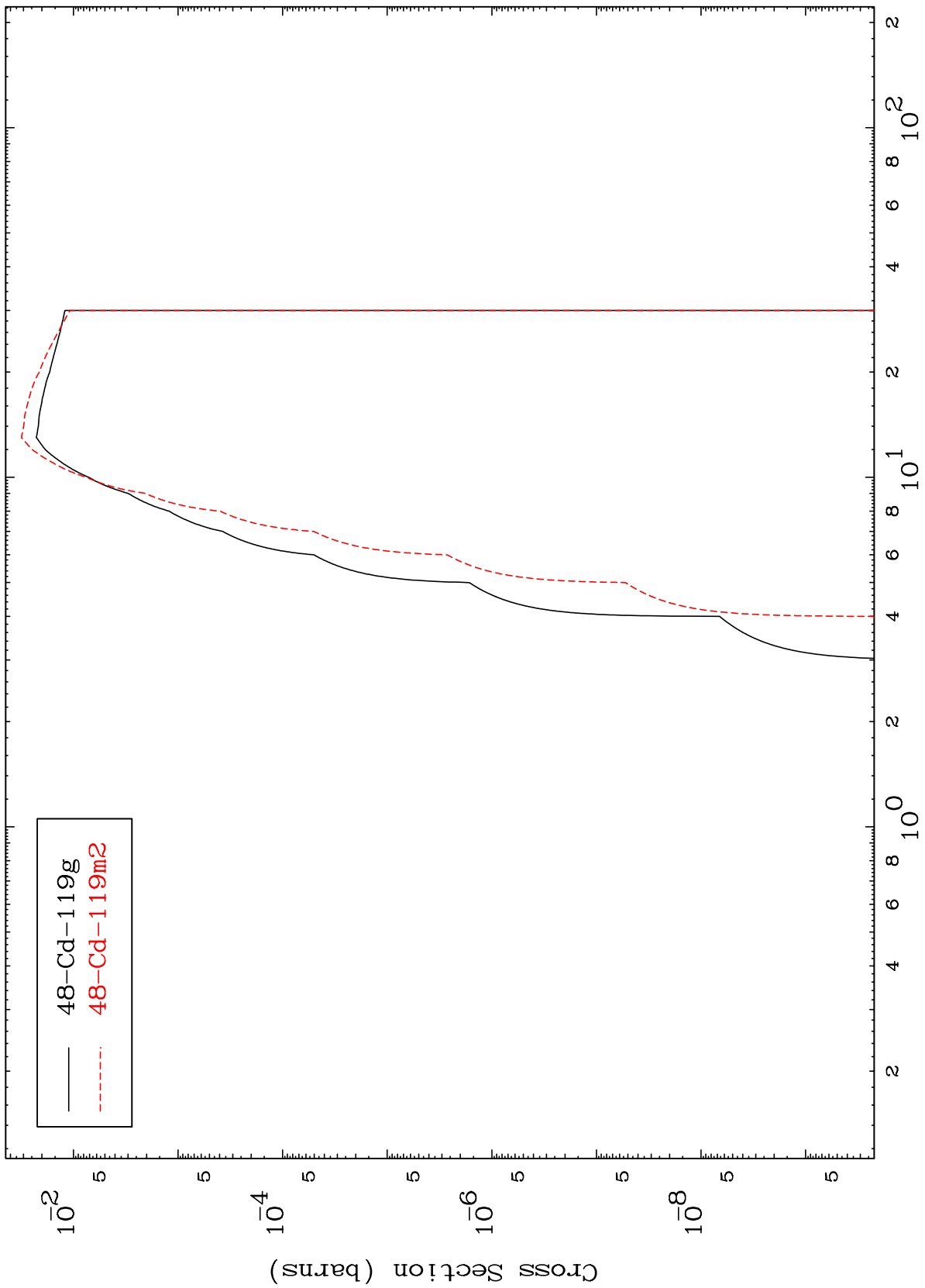
48-Cd-119

MAT 4864

(n,d)

48-Cd-119

Radionuclide Production Cross Section



48-Cd-119

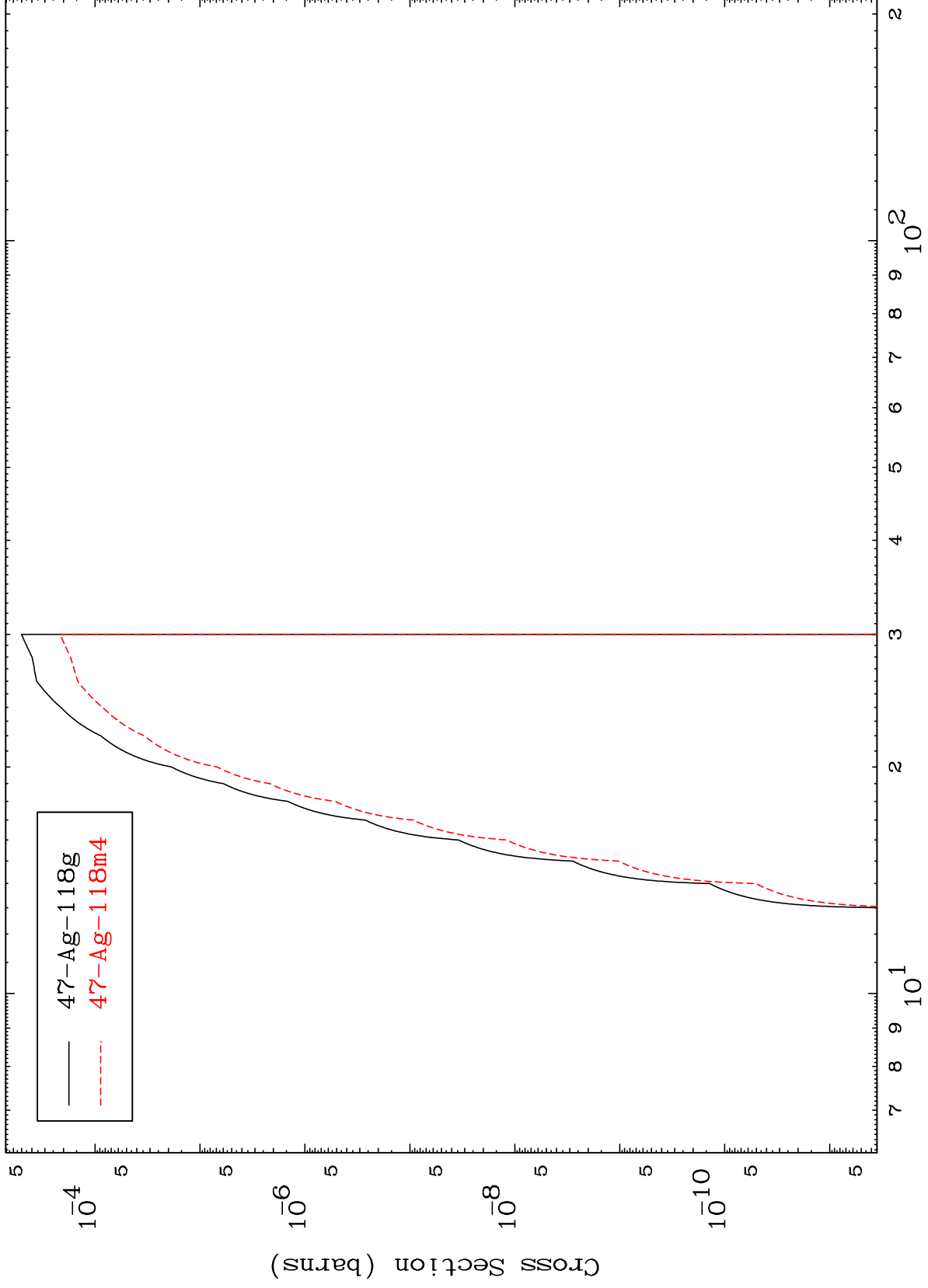
Incident Energy (MeV)

MAT 4864

(n,He-3)

48-Cd-119

Radionuclide Production Cross Section



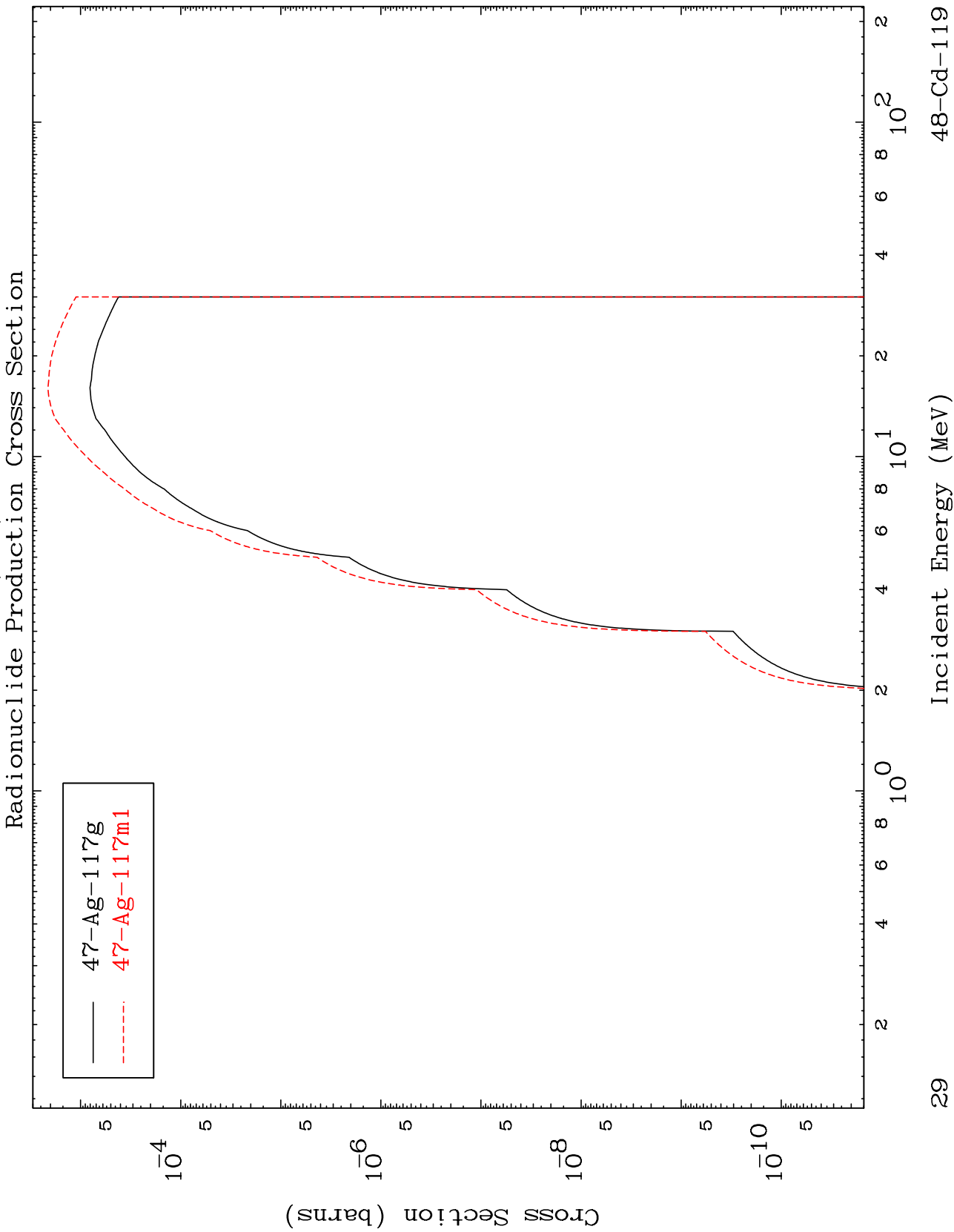
28

Incident Energy (MeV)

48-Cd-119

MAT 4864

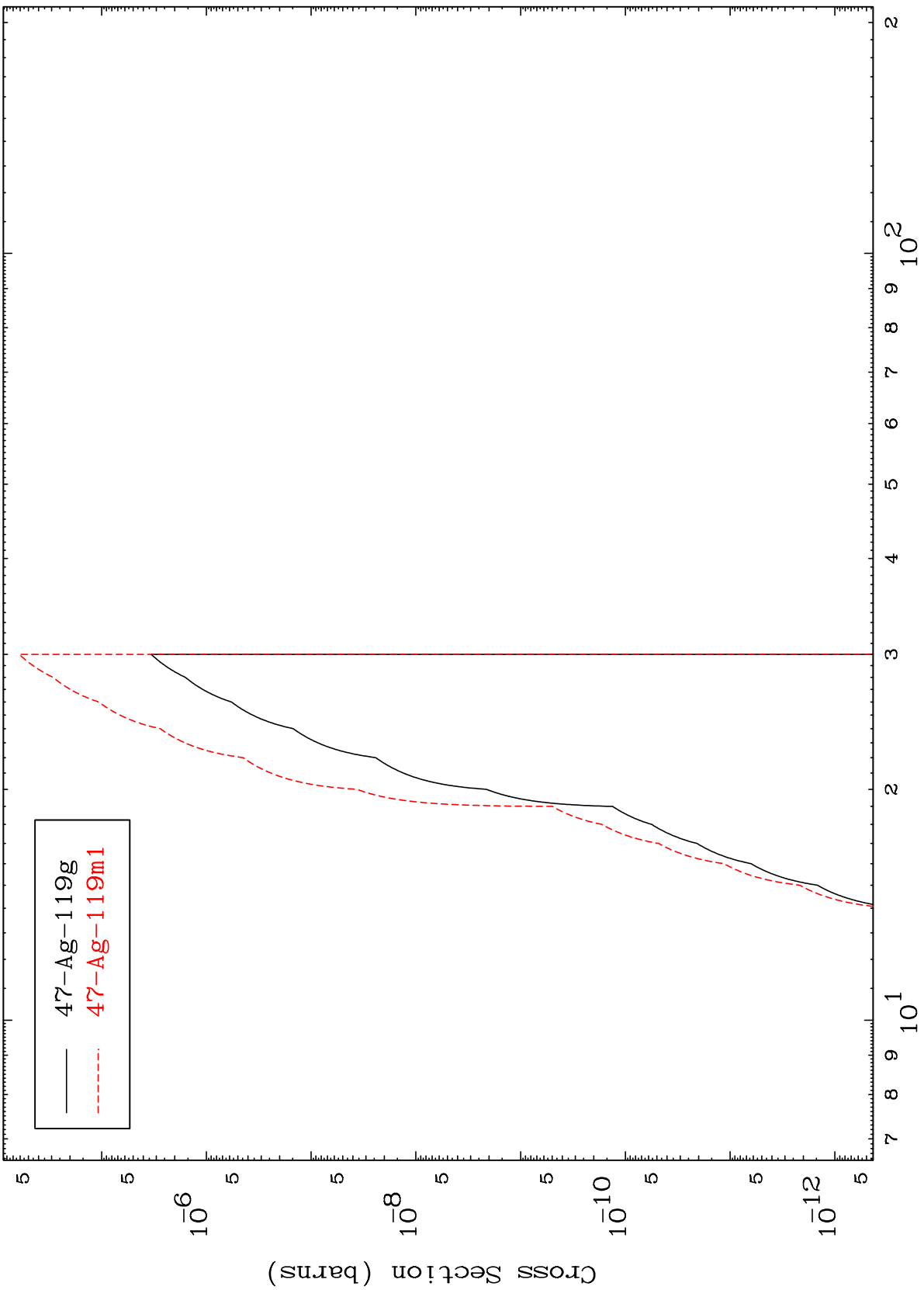
48-Cd-119



MAT 4864

48-Cd-119

(n,2p)  
Radionuclide Production Cross Section



30

Incident Energy (MeV)

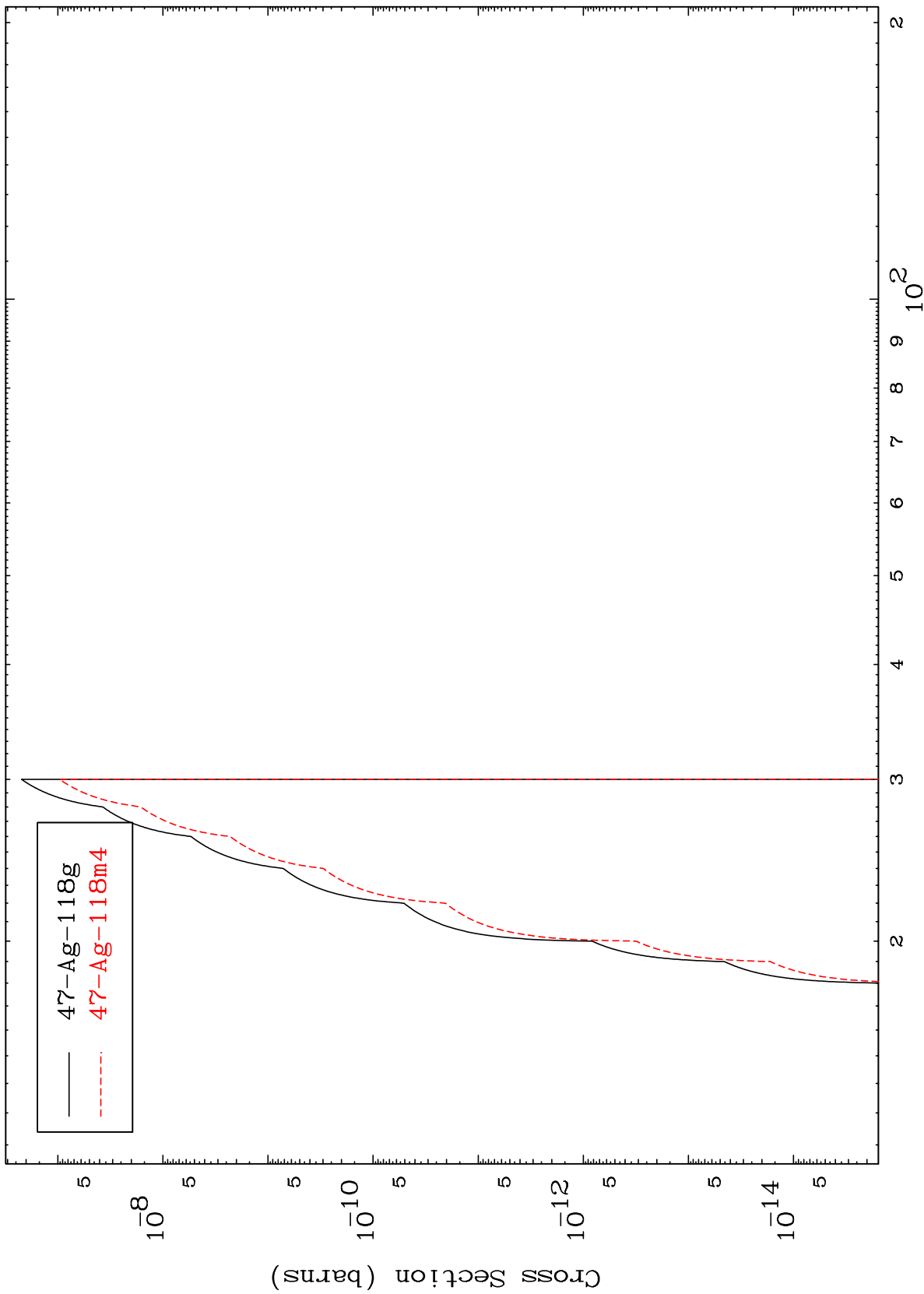
48-Cd-119

MAT 4864

(n,p) d

48-Cd-119

Radionuclide Production Cross Section



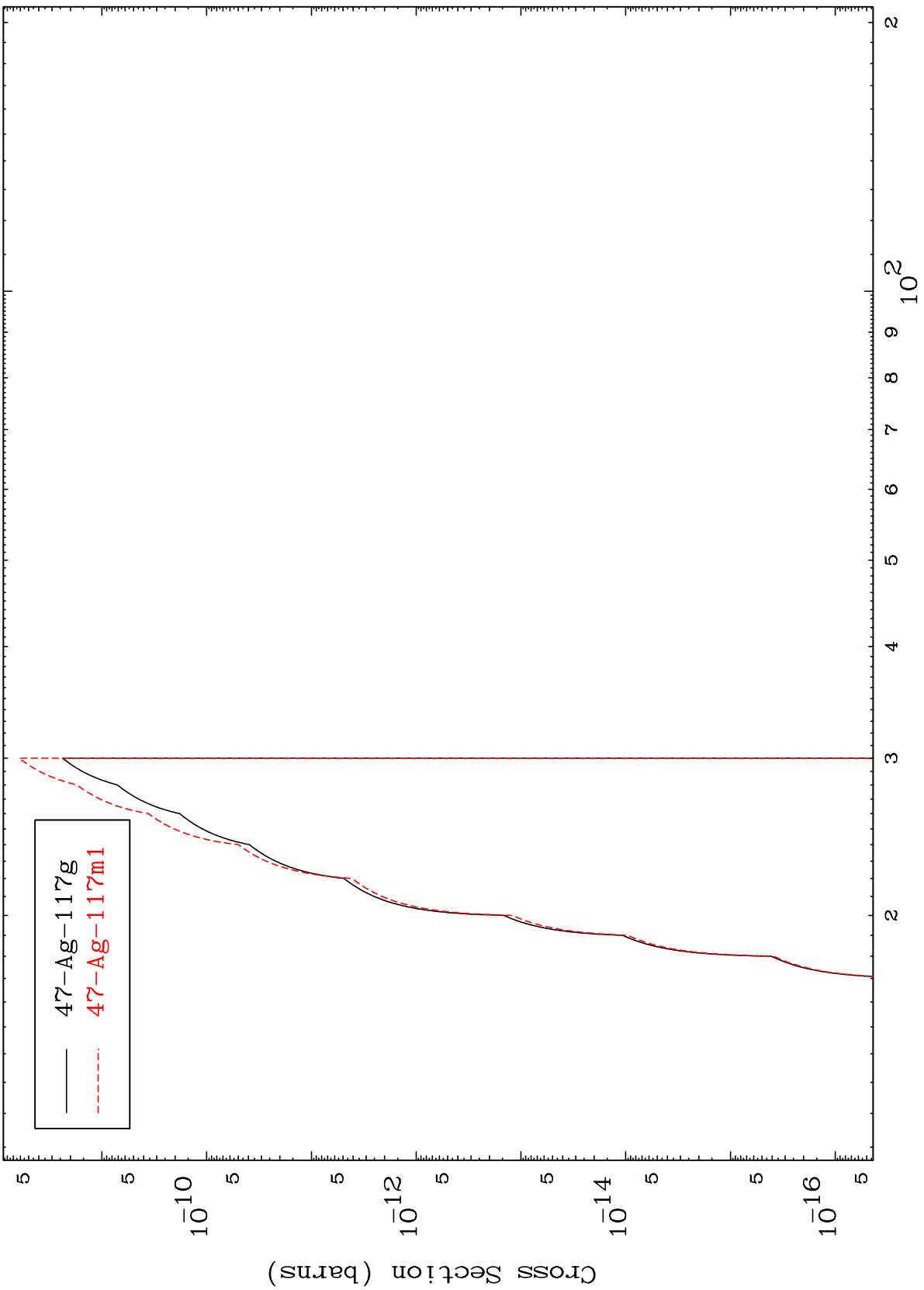


MAT 4864

(n,p) t

48-Cd-119

Radionuclide Production Cross Section

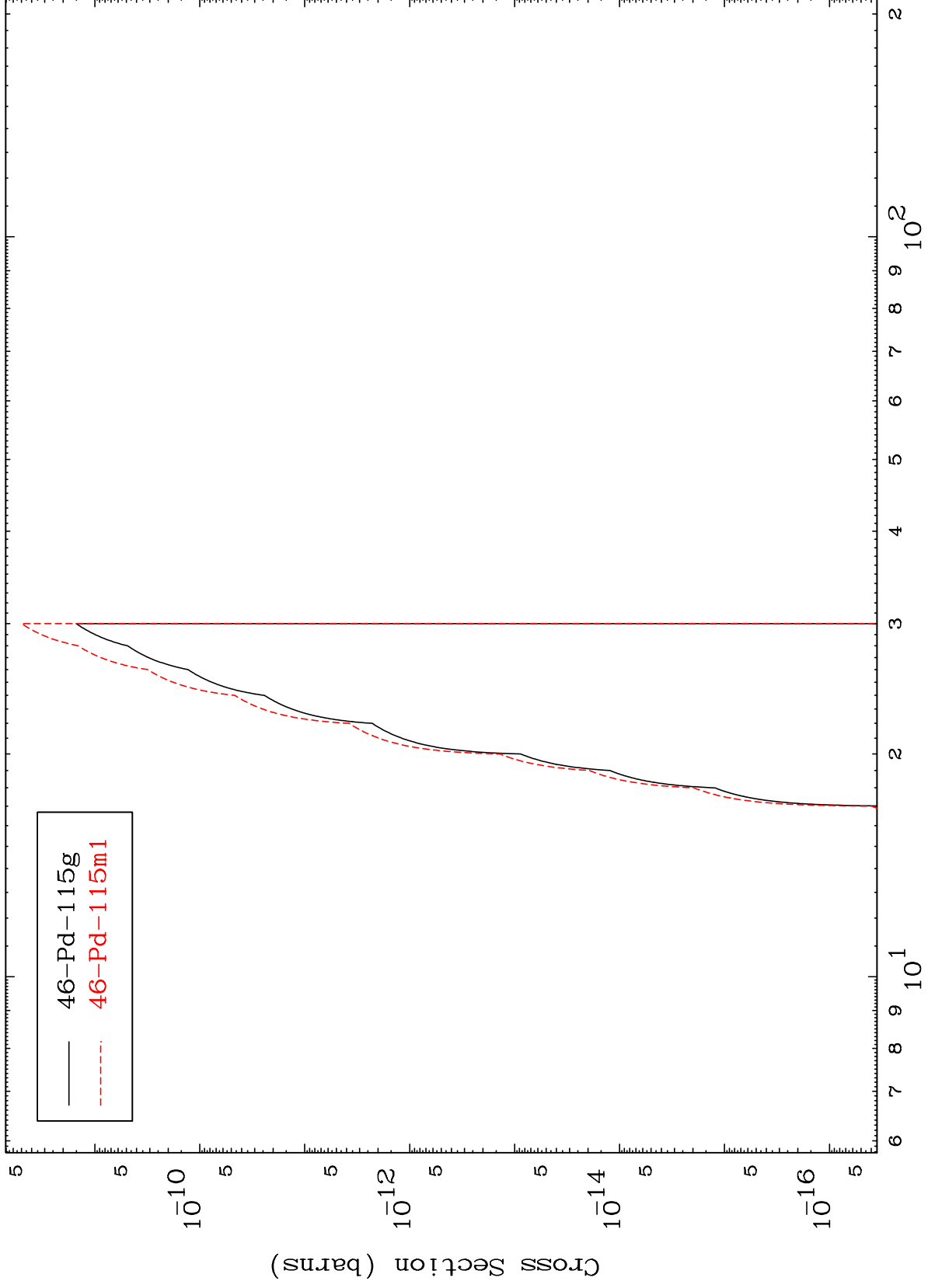


MAT 4864

(n,d)  $\alpha$

48-Cd-119

Radionuclide Production Cross Section



33

Incident Energy (MeV)

48-Cd-119