

Program EVALPLOT
(Version 2018-1)

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

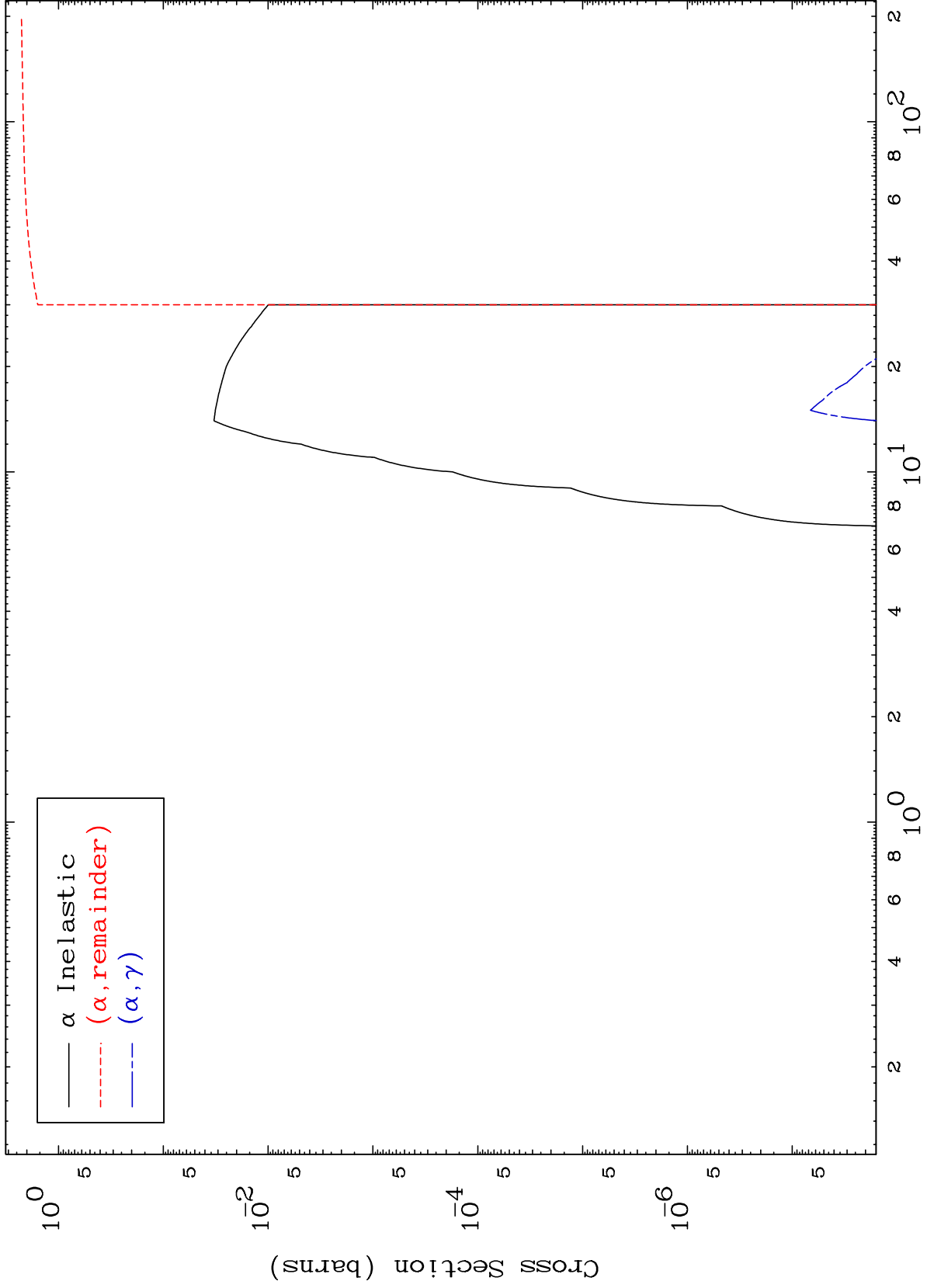
Press Mouse Button to Start

MAT 4879

α Major

48-Cd-124

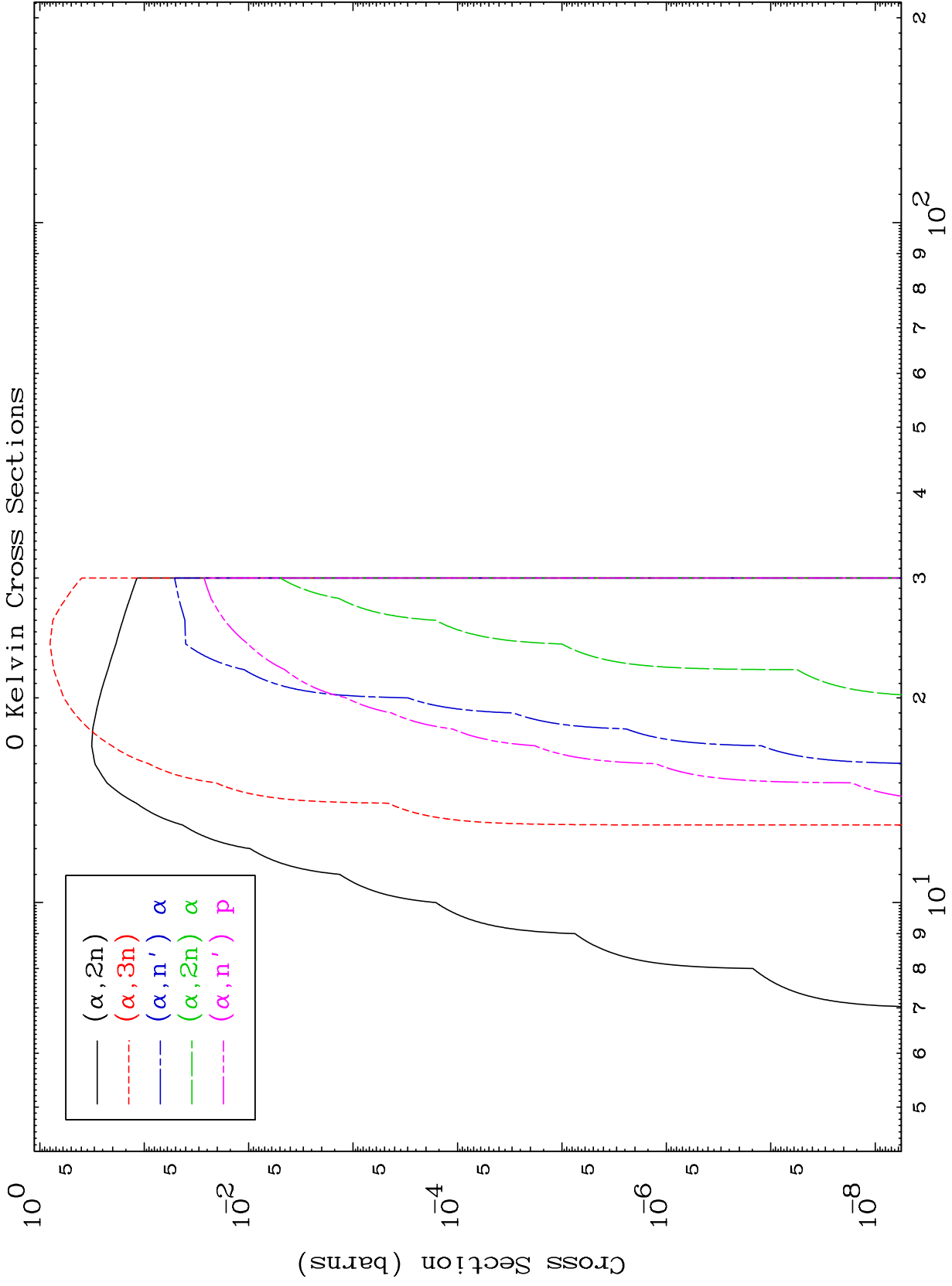
0 Kelvin Cross Sections



MAT 4879

α Neutron Production
0 Kelvin Cross Sections

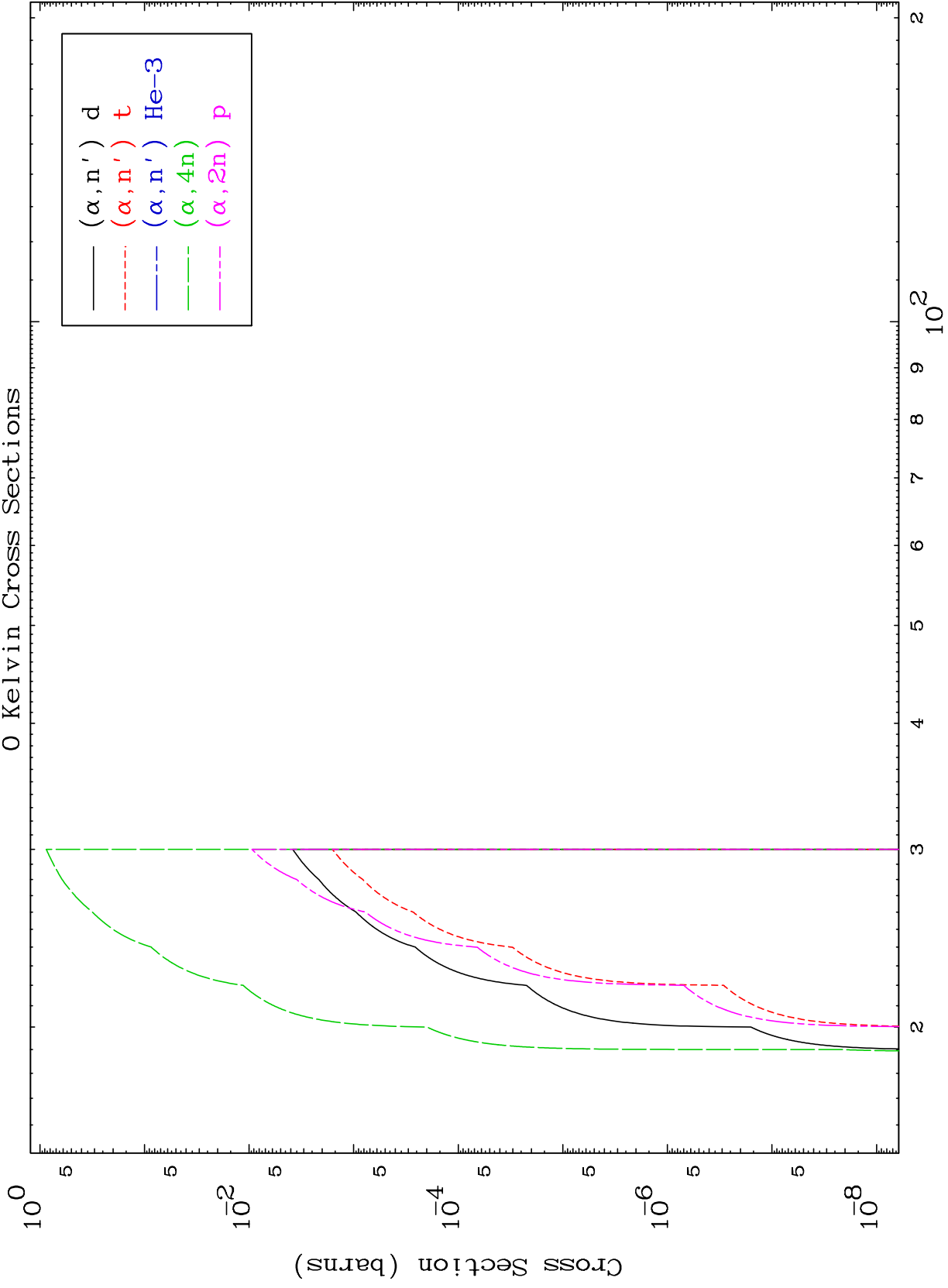
48-Cd-124



Incident Energy (MeV)

48-Cd-124

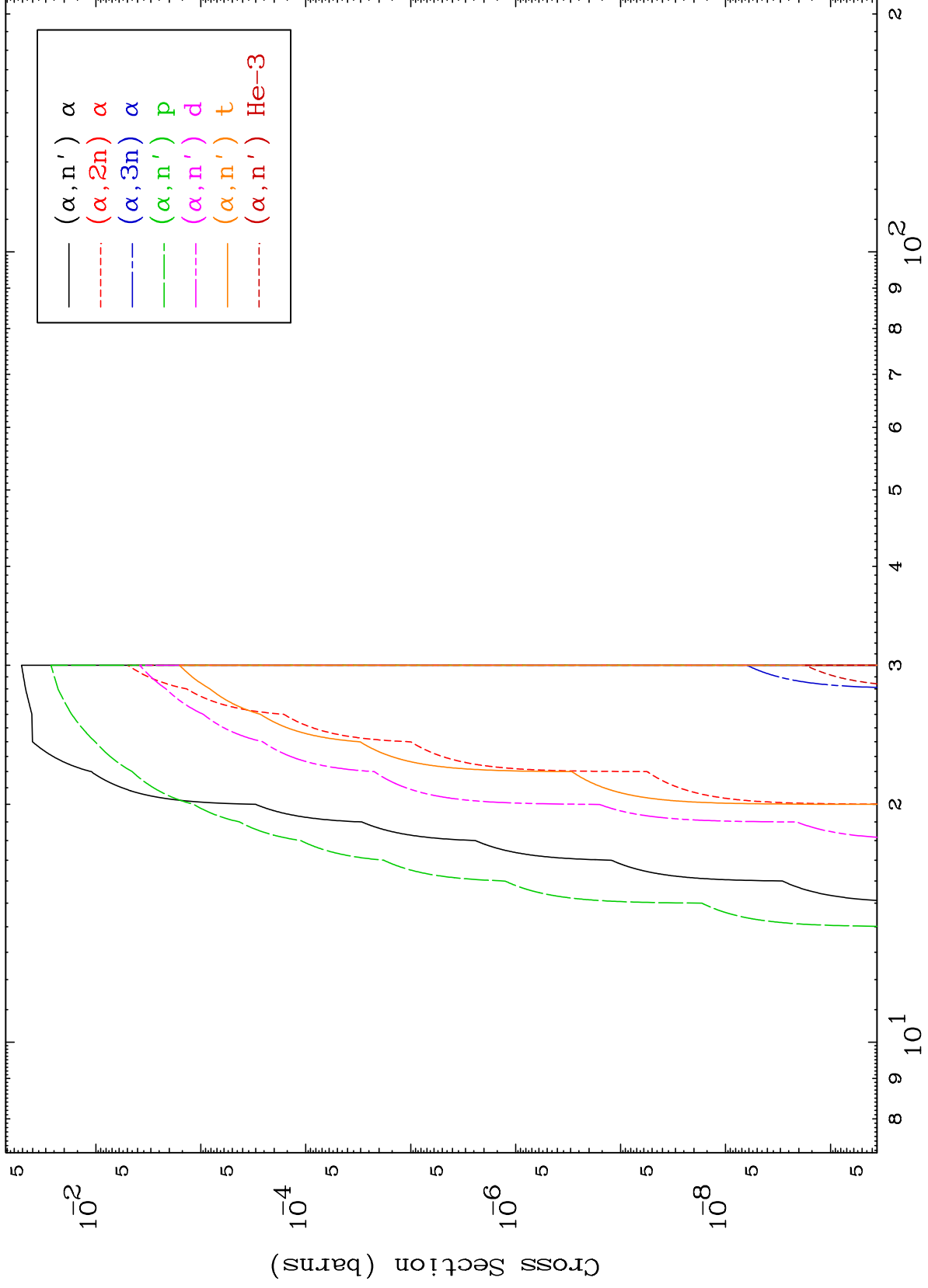
2



MAT 4879

α Charged Particle
0 Kelvin Cross Sections

48-Cd-124



4

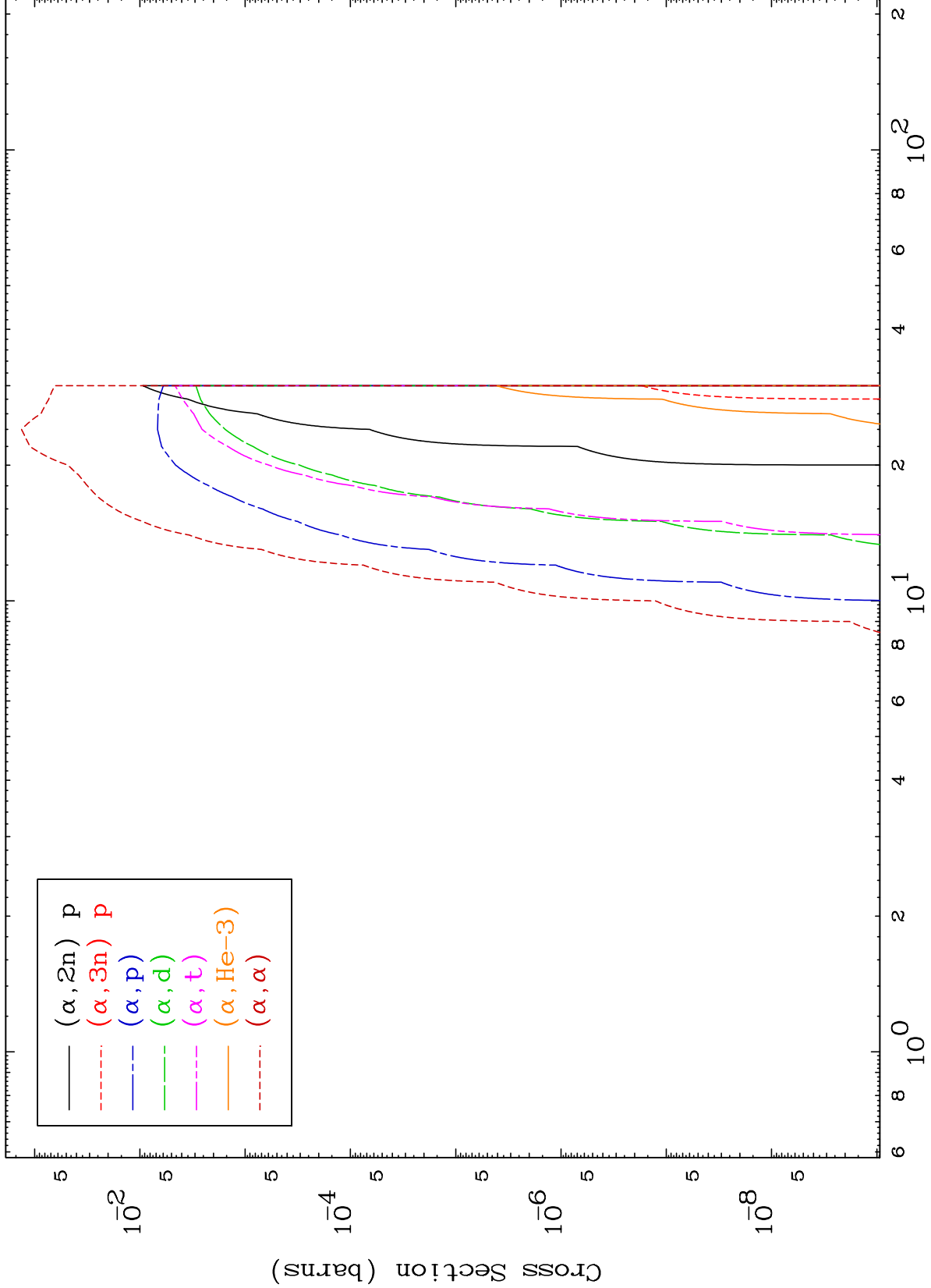
Incident Energy (MeV)

48-Cd-124

MAT 4879

α Charged Particle
0 Kelvin Cross Sections

48-Cd-124



5

Incident Energy (MeV)

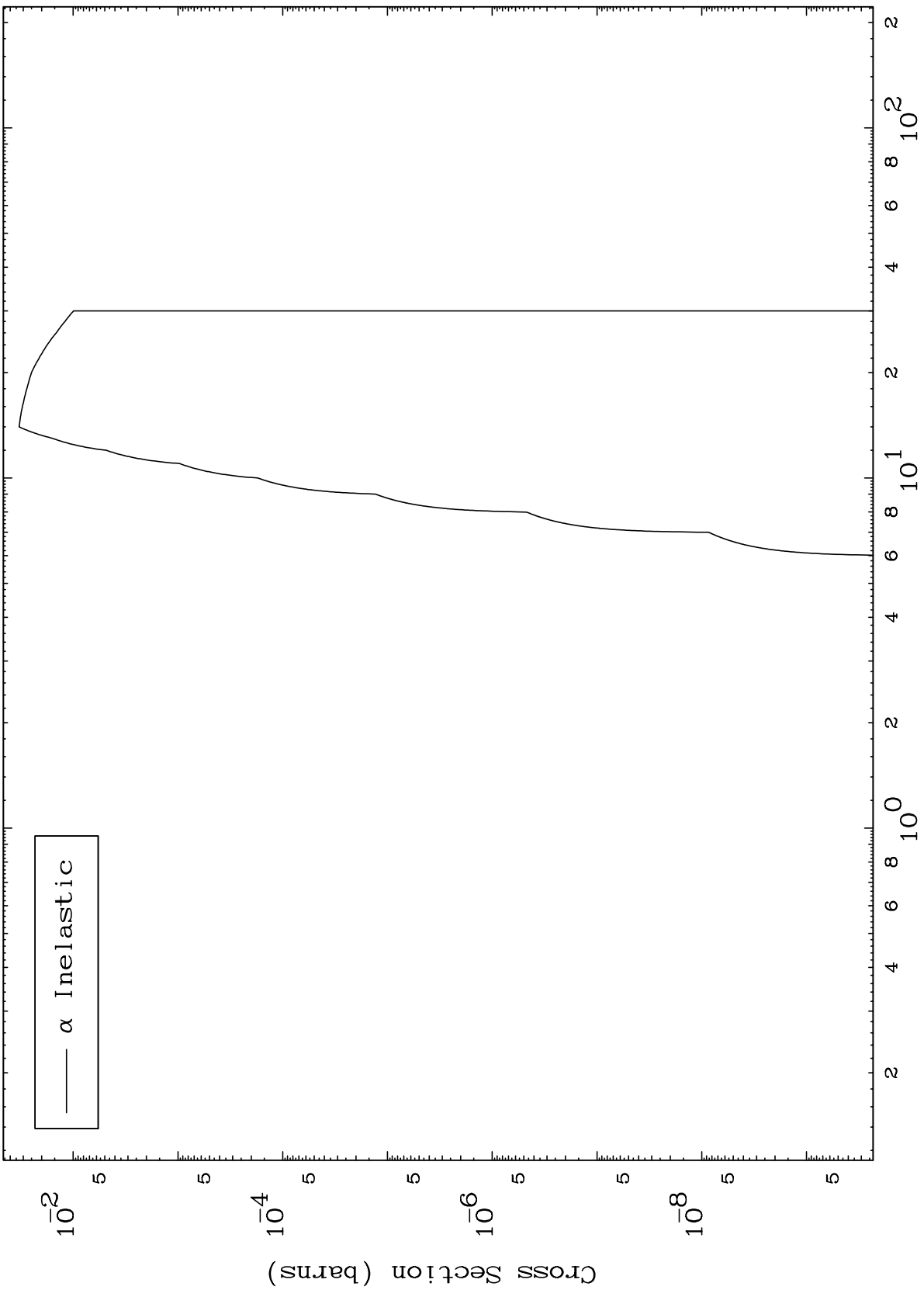
48-Cd-124

MAT 4879

(α, n') Level

48-Cd-124

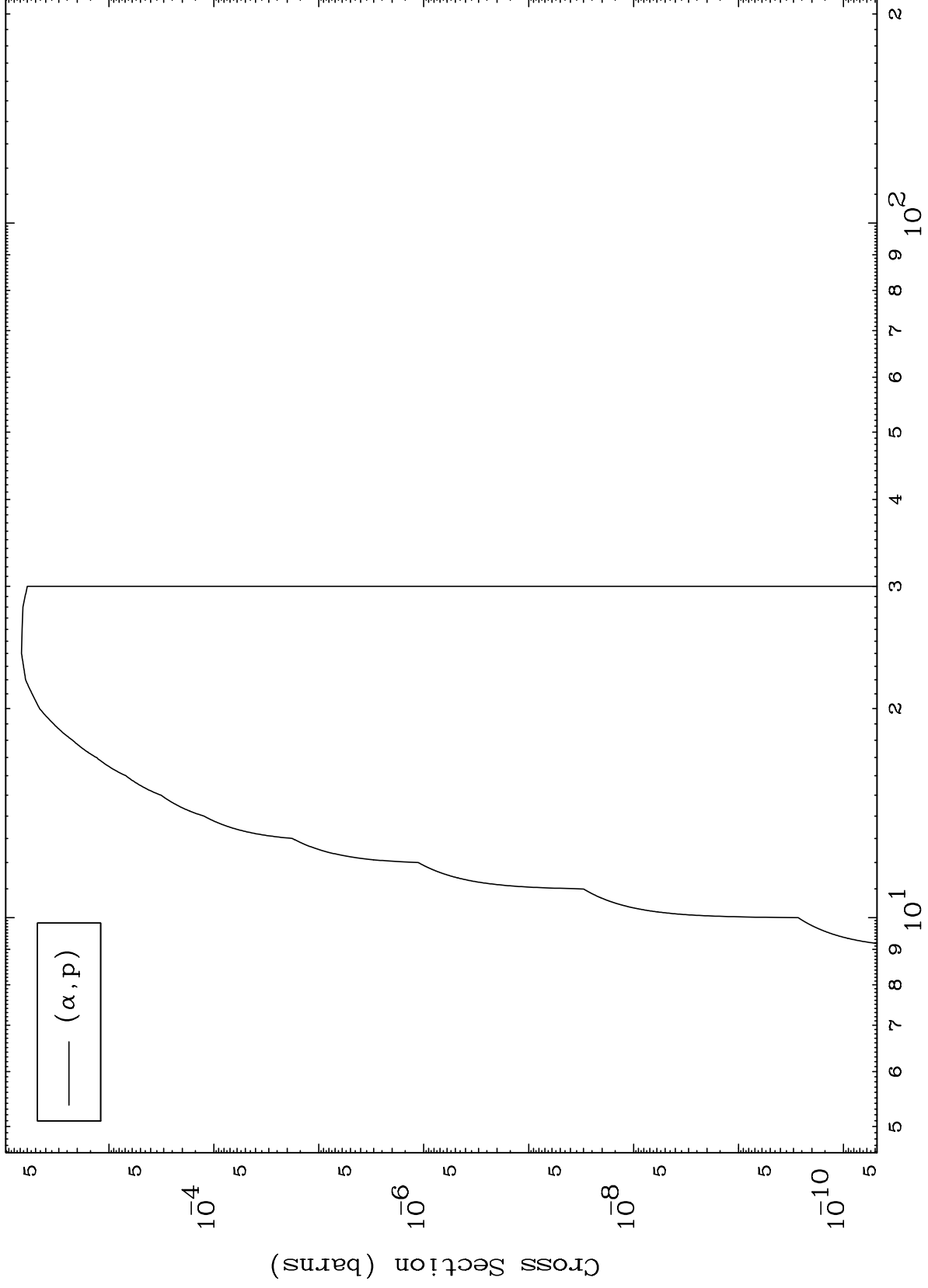
0 Kelvin Cross Sections



MAT 4879

(α, p) Levels
0 Kelvin Cross Sections

48-Cd-124



7

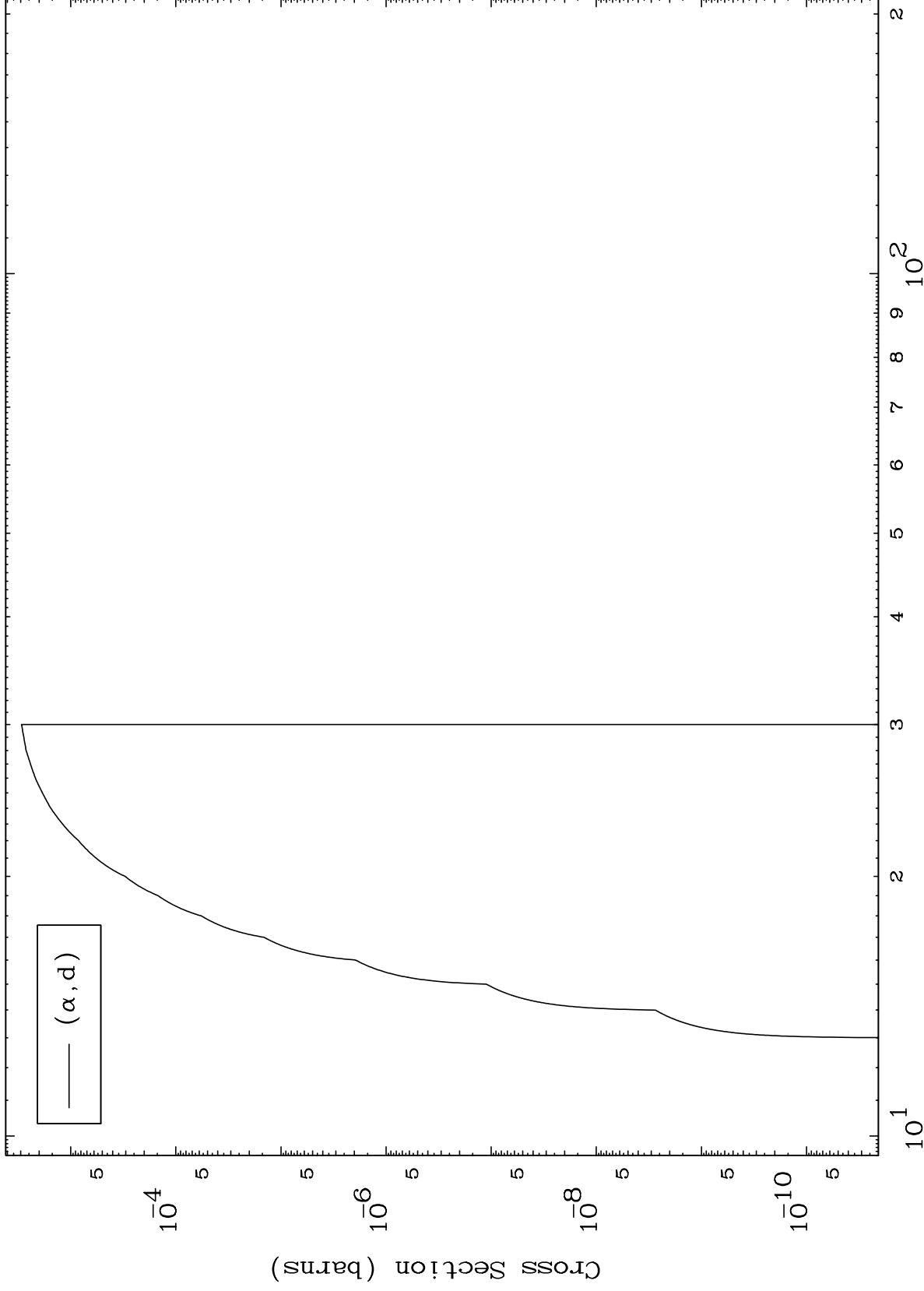
Incident Energy (MeV)

48-Cd-124

MAT 4879

(α, d) Levels
0 Kelvin Cross Sections

48-Cd-124



Incident Energy (MeV)

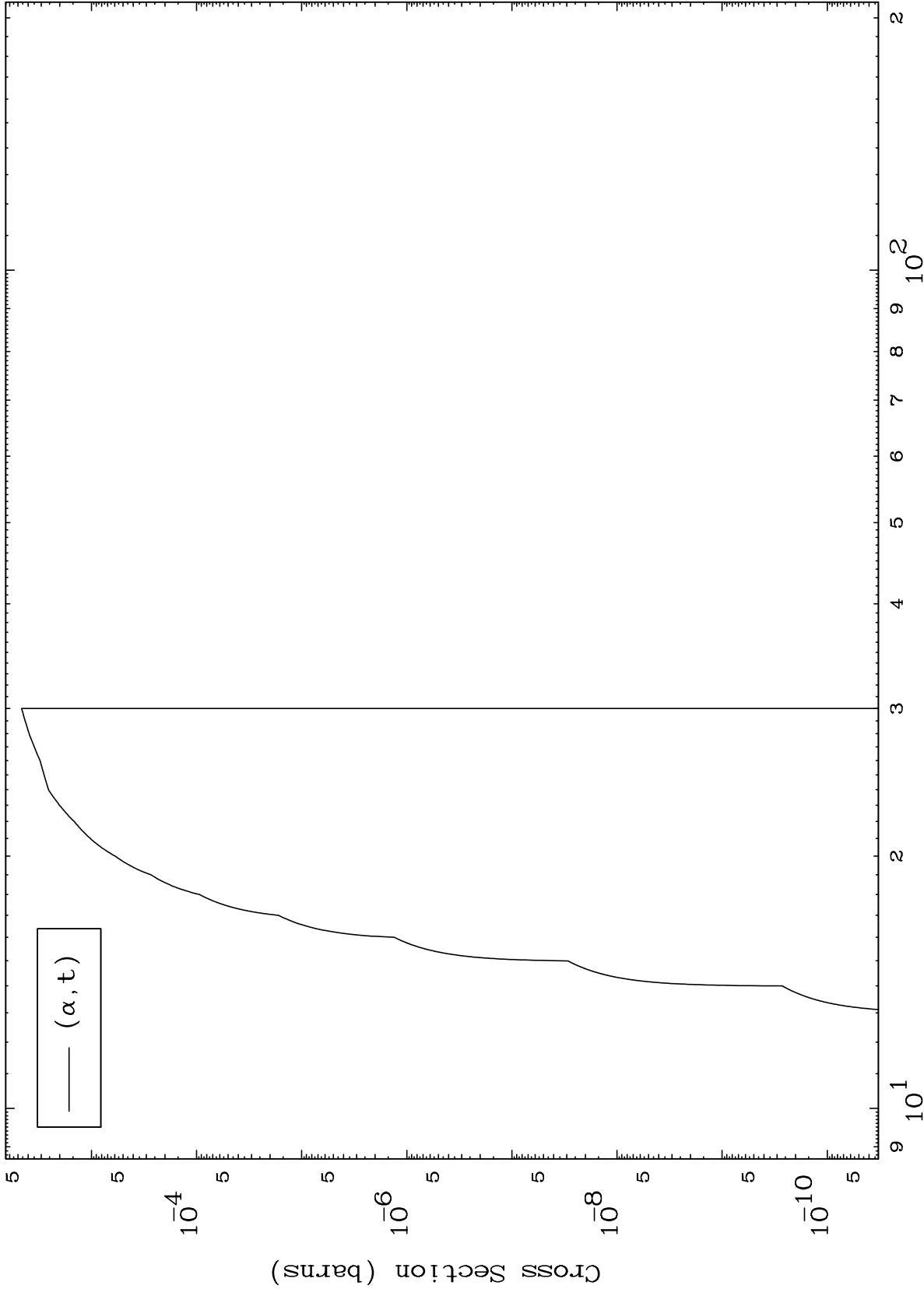
48-Cd-124

MAT 4879

(α, t) Levels

48-Cd-124

0 Kelvin Cross Sections



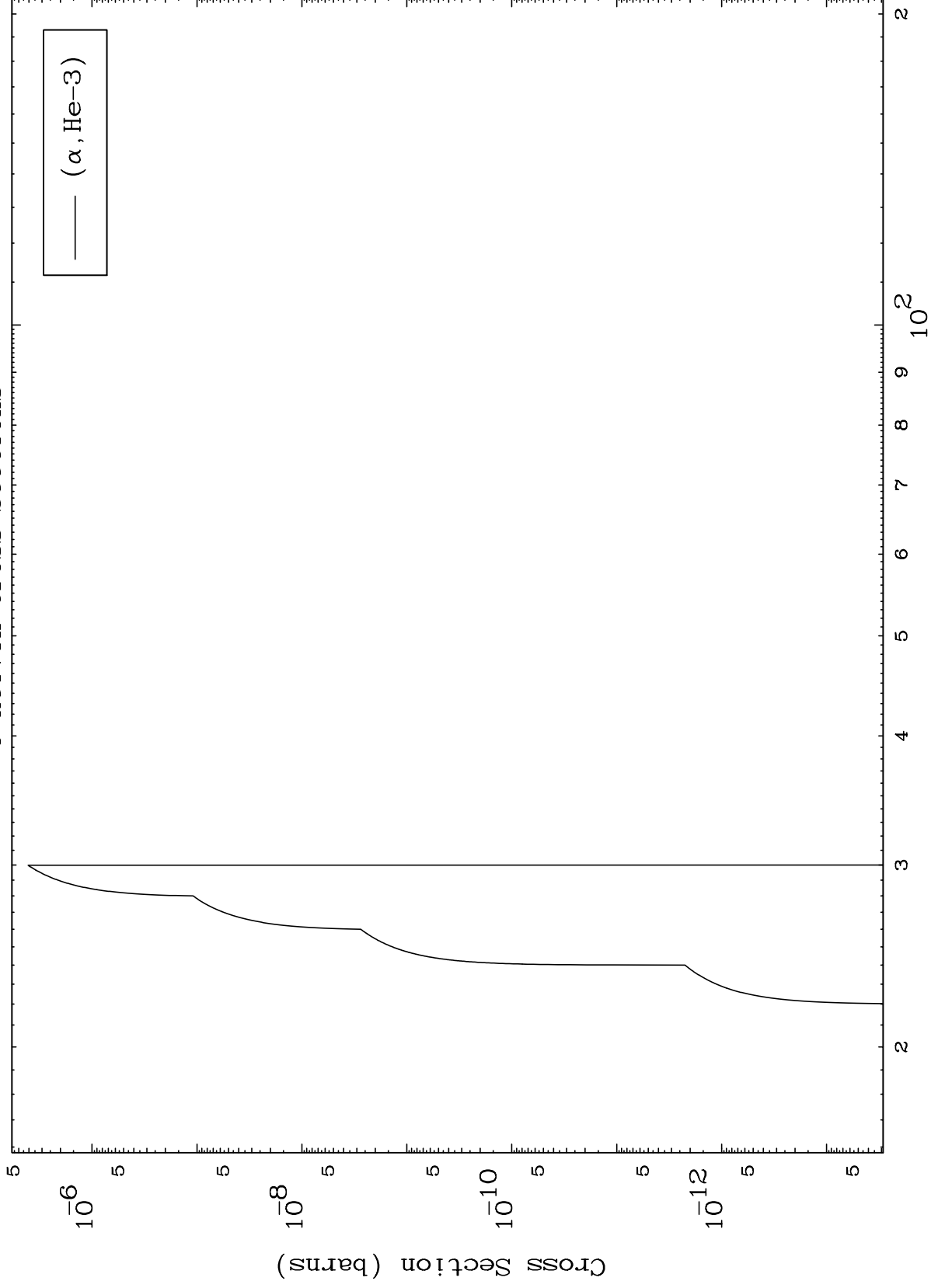
Incident Energy (MeV)

48-Cd-124

MAT 4879

(α ,He3) Levels
0 Kelvin Cross Sections

48-Cd-124



10

Incident Energy (MeV)

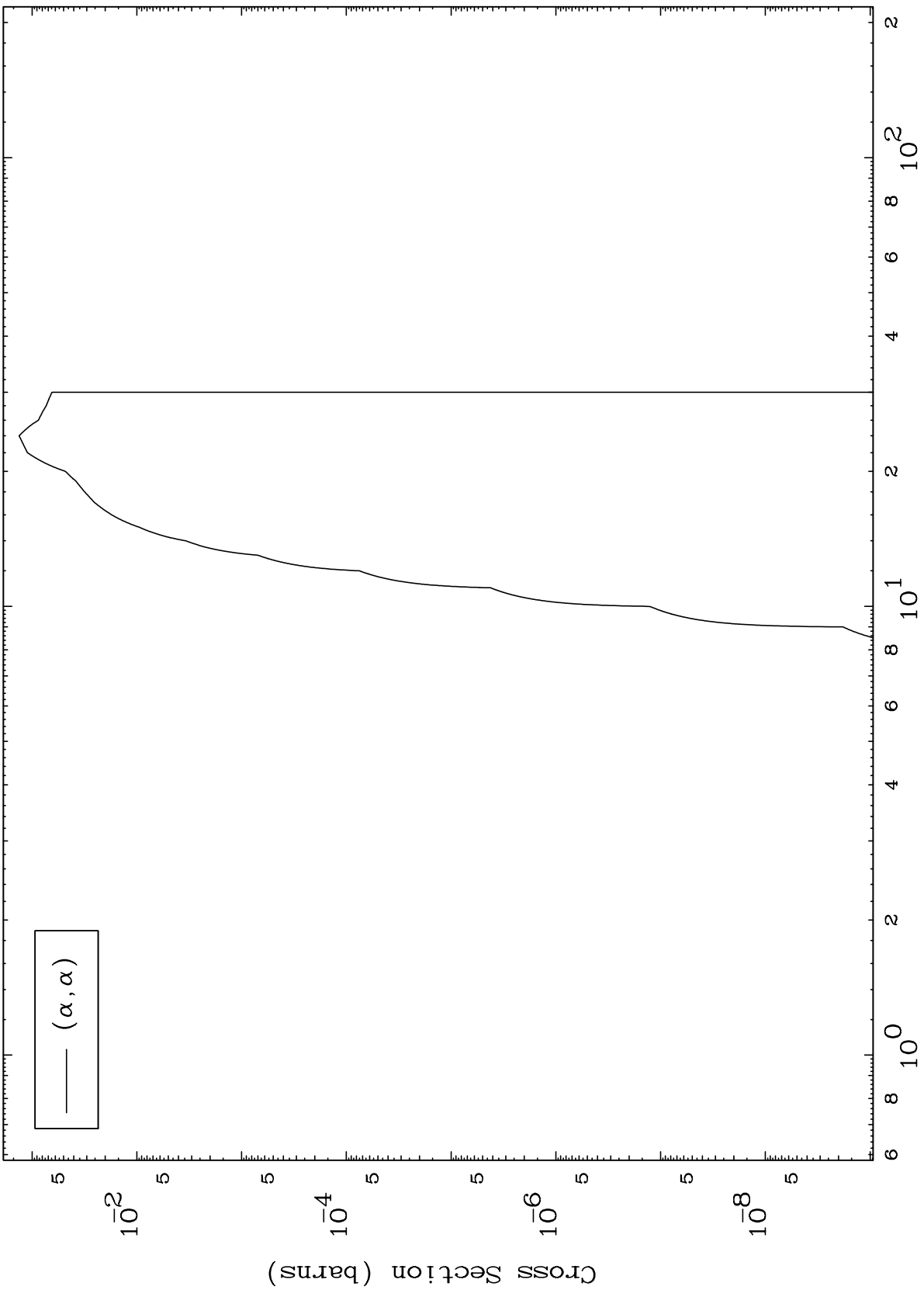
48-Cd-124

MAT 4879

(α, α) Levels

48-Cd-124

0 Kelvin Cross Sections



11

Incident Energy (MeV)

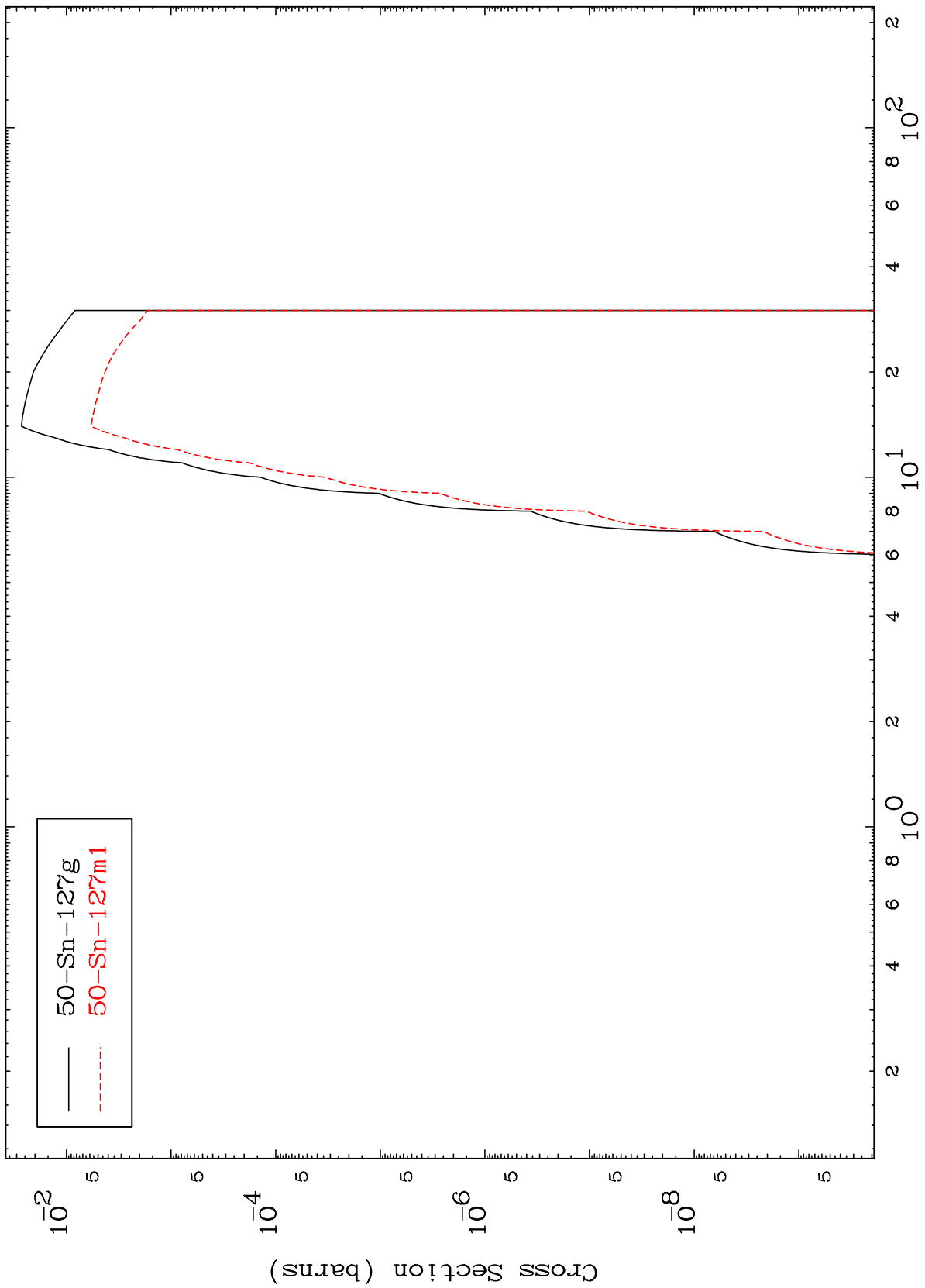
48-Cd-124

MAT 4879

48-Cd-124

Radionuclide Production Cross Section

α Inelastic



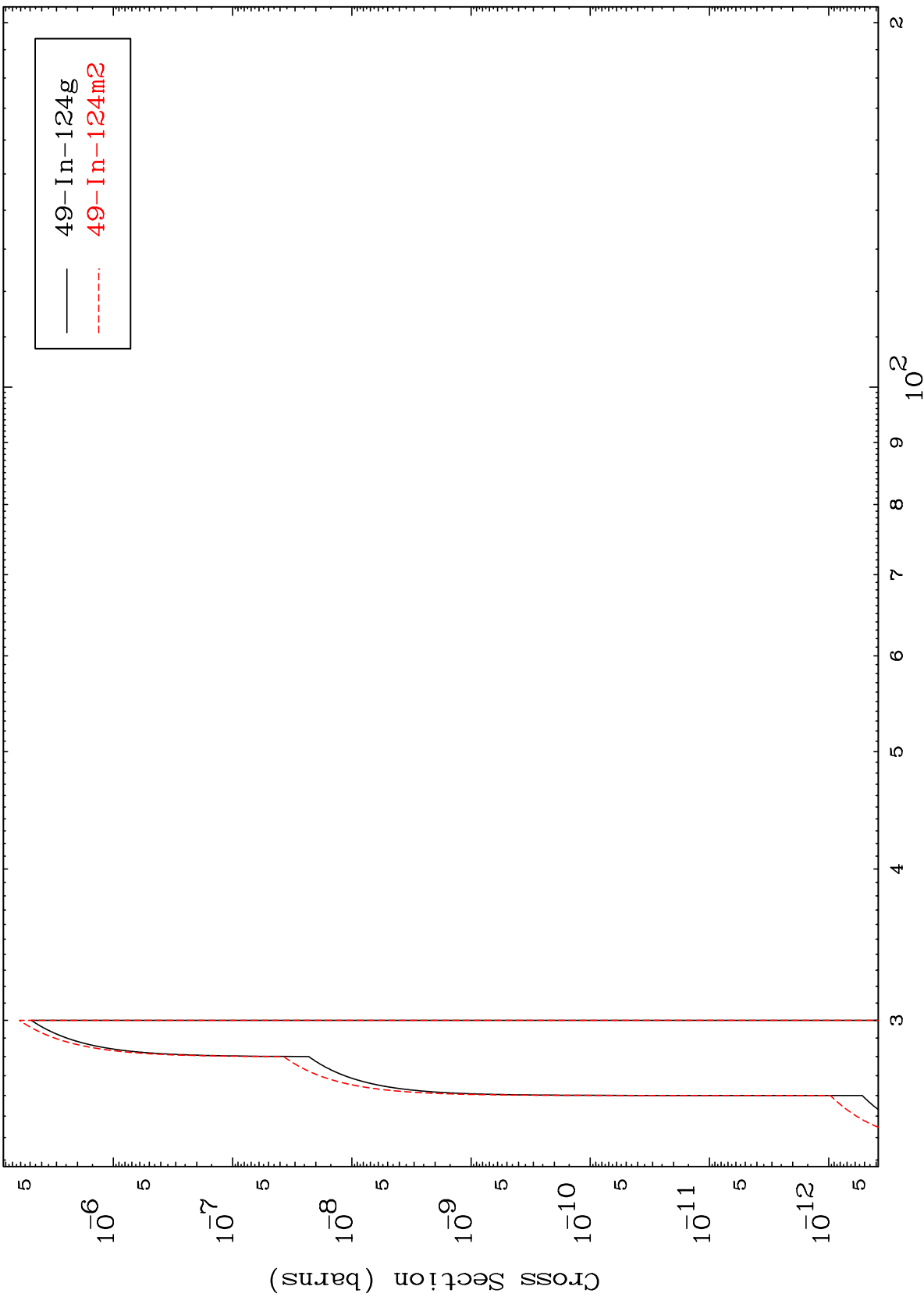
— 50-Sn-127g
- - - 50-Sn-127m1

MAT 4879

($\alpha, 2n$) d

48-Cd-124

Radionuclide Production Cross Section



13

Incident Energy (MeV)

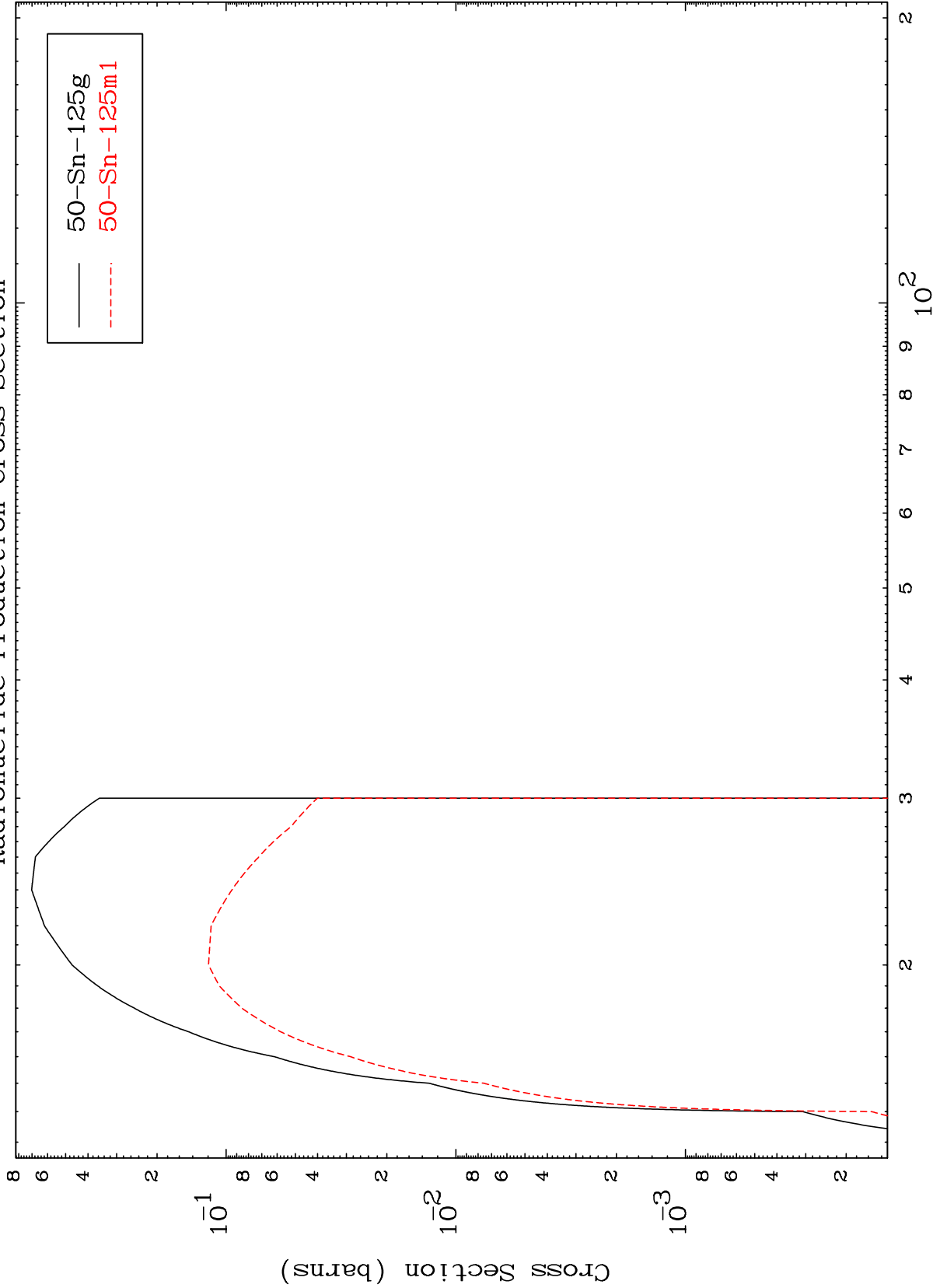
48-Cd-124

MAT 4879

($\alpha, 3n$)

48-Cd-124

Radionuclide Production Cross Section



14

Incident Energy (MeV)

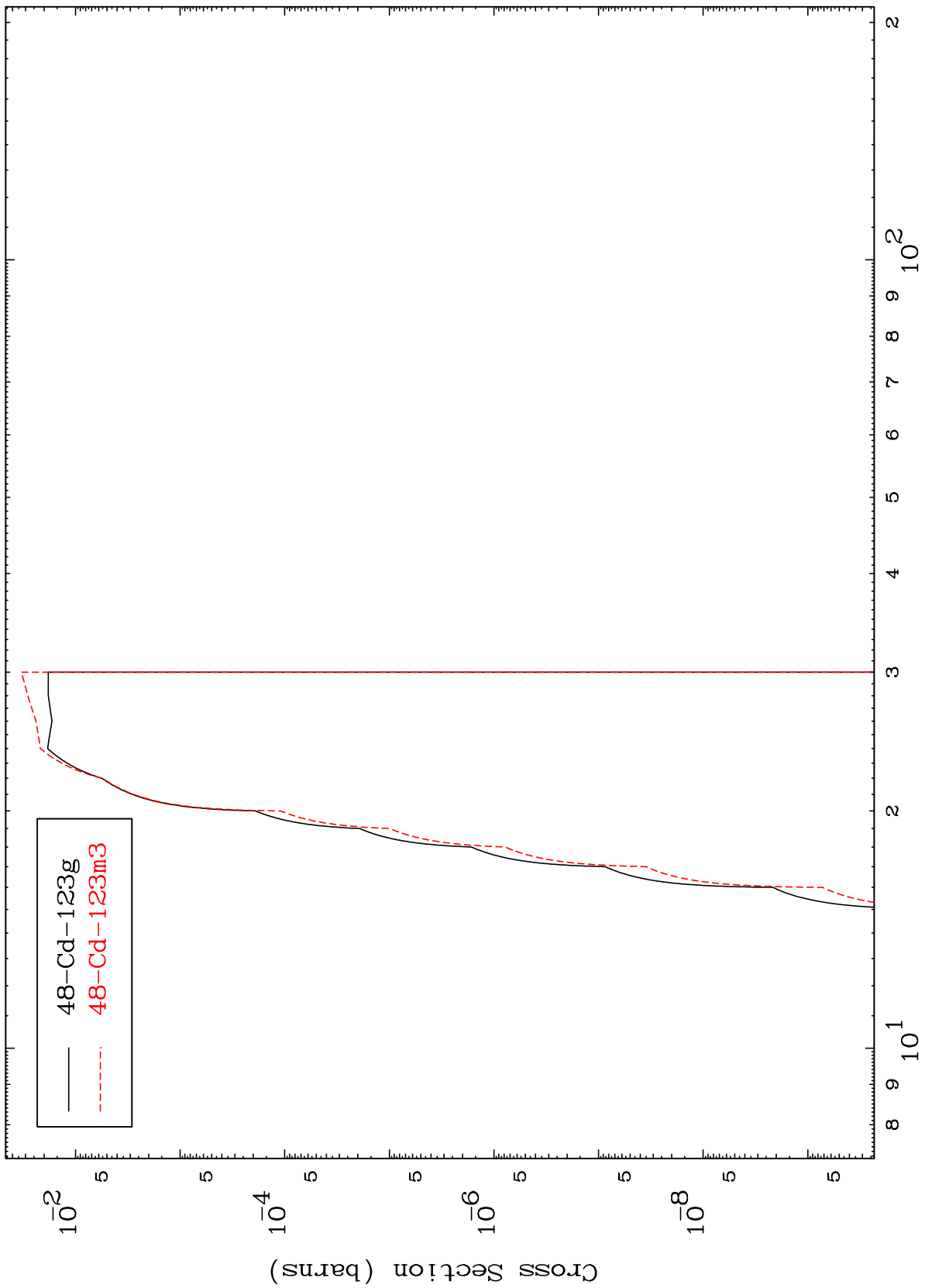
48-Cd-124

MAT 4879

48-Cd-124

(α, n') α

Radionuclide Production Cross Section



15

Incident Energy (MeV)

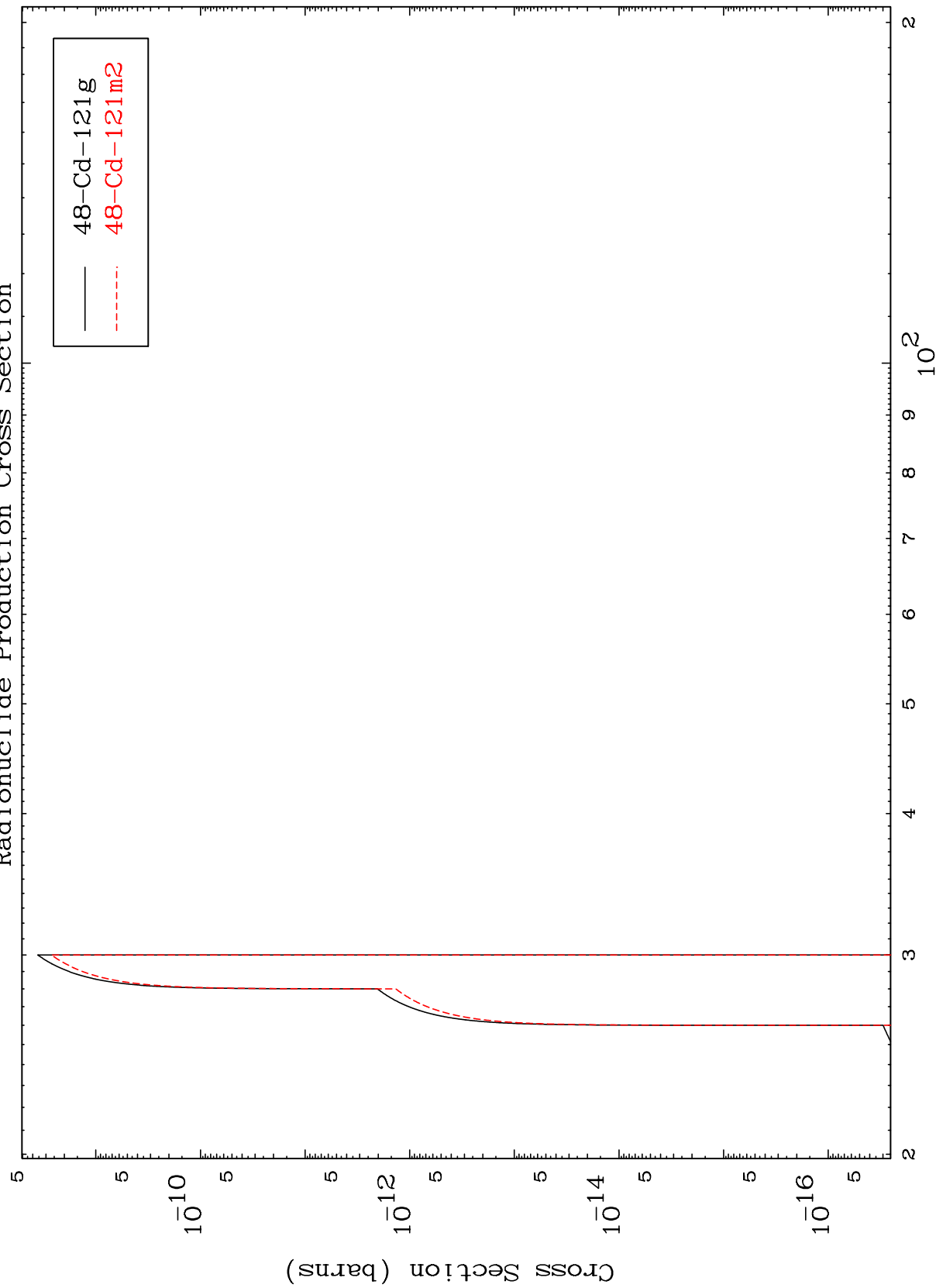
48-Cd-124

MAT 4879

48-Cd-124

$(\alpha, 3n) \alpha$

Radionuclide Production Cross Section

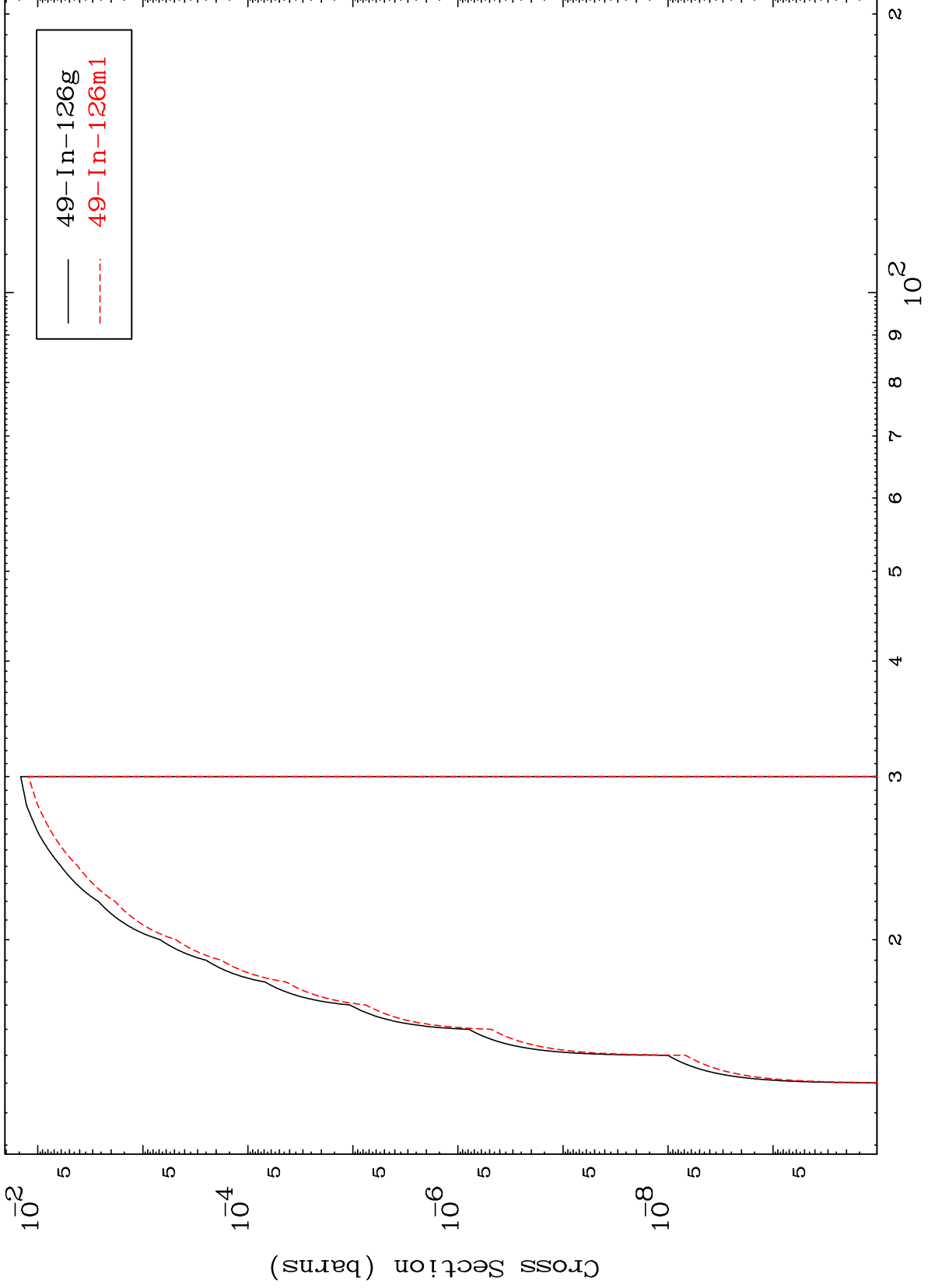


16

Incident Energy (MeV)

48-Cd-124

Radionuclide Production Cross Section

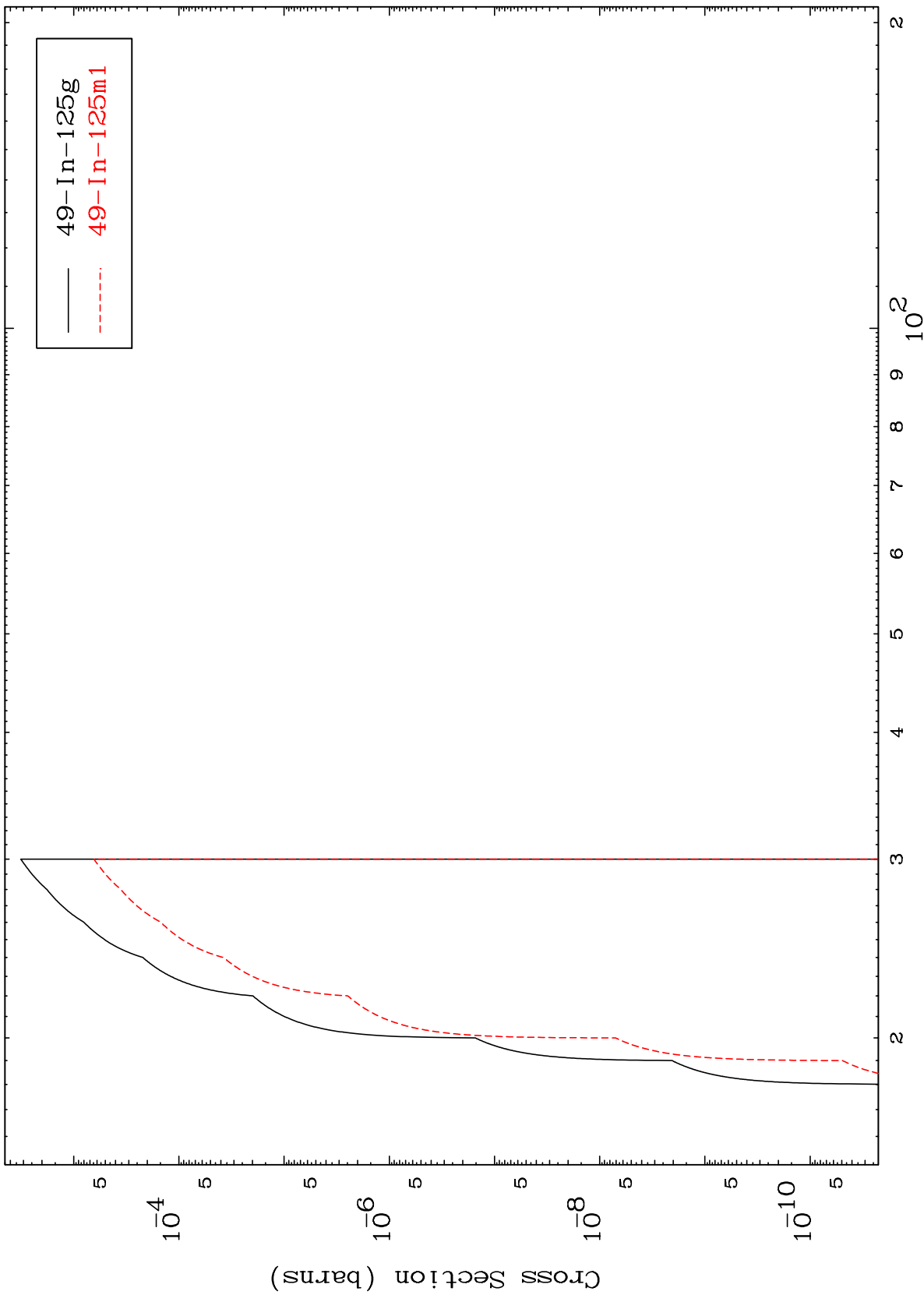


MAT 4879

(α, n') d

48-Cd-124

Radionuclide Production Cross Section



18

Incident Energy (MeV)

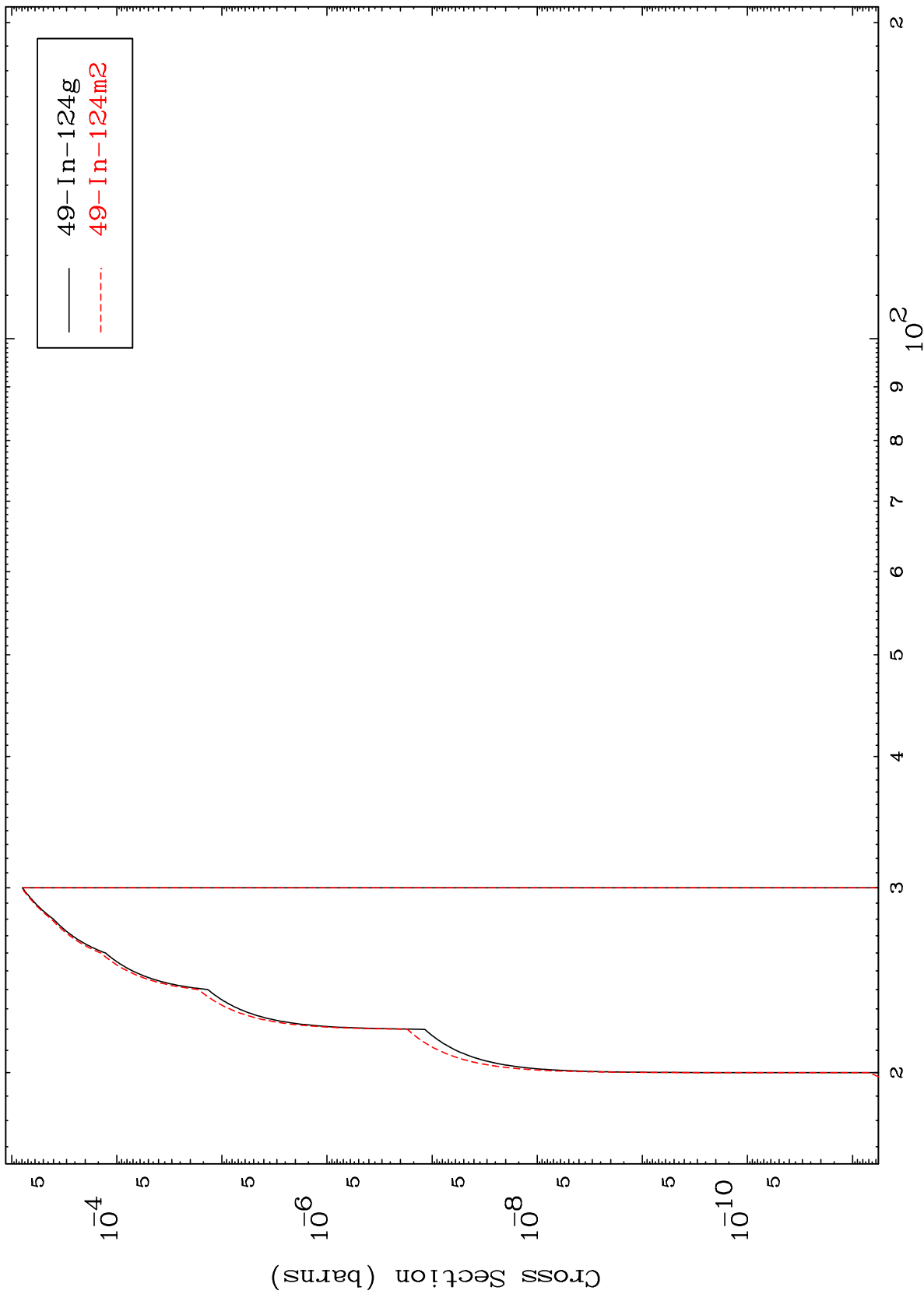
48-Cd-124

MAT 4879

(α, n') t

48-Cd-124

Radionuclide Production Cross Section



19

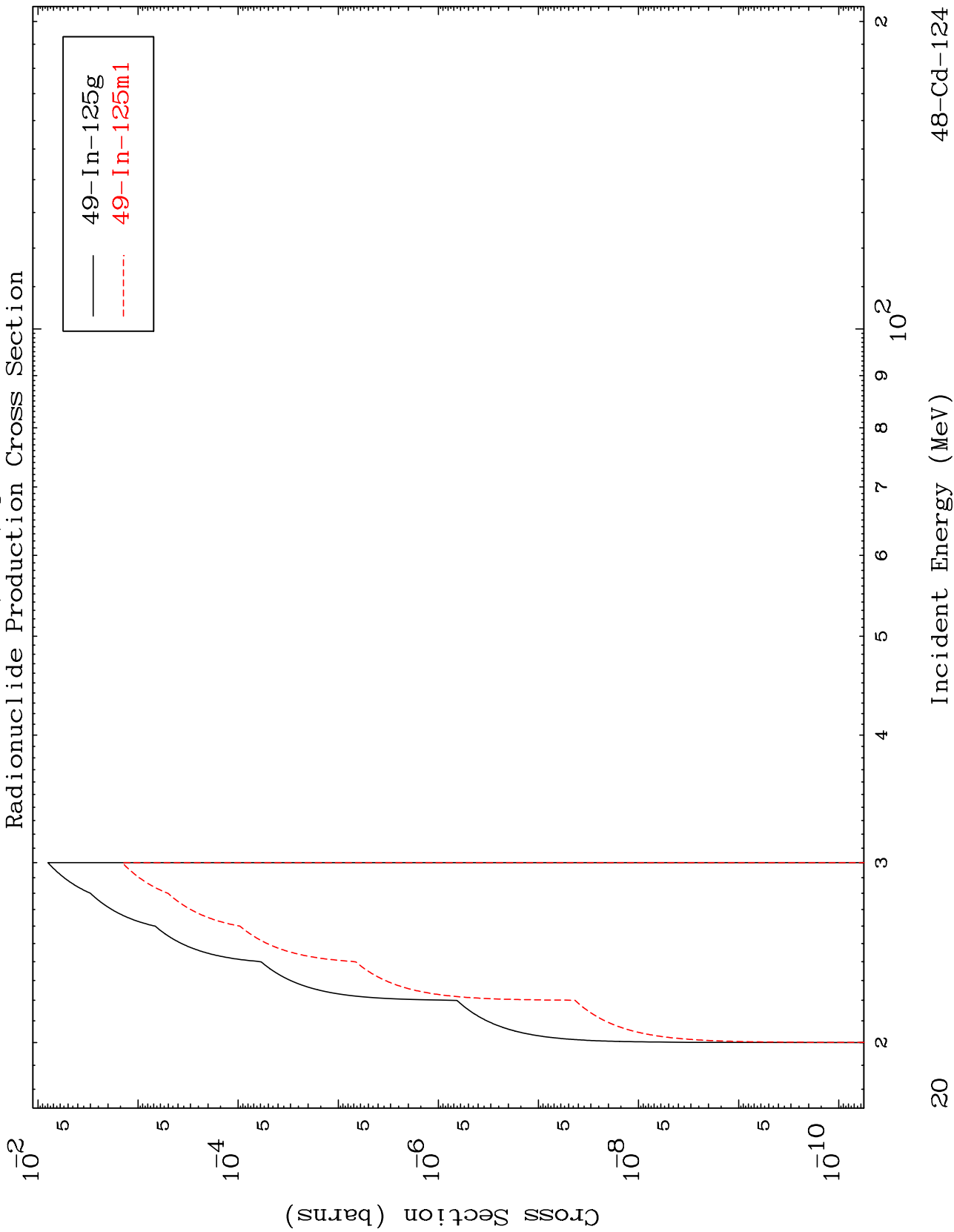
Incident Energy (MeV)

48-Cd-124

MAT 4879

($\alpha, 2n$) p

48-Cd-124



20

Incident Energy (MeV)

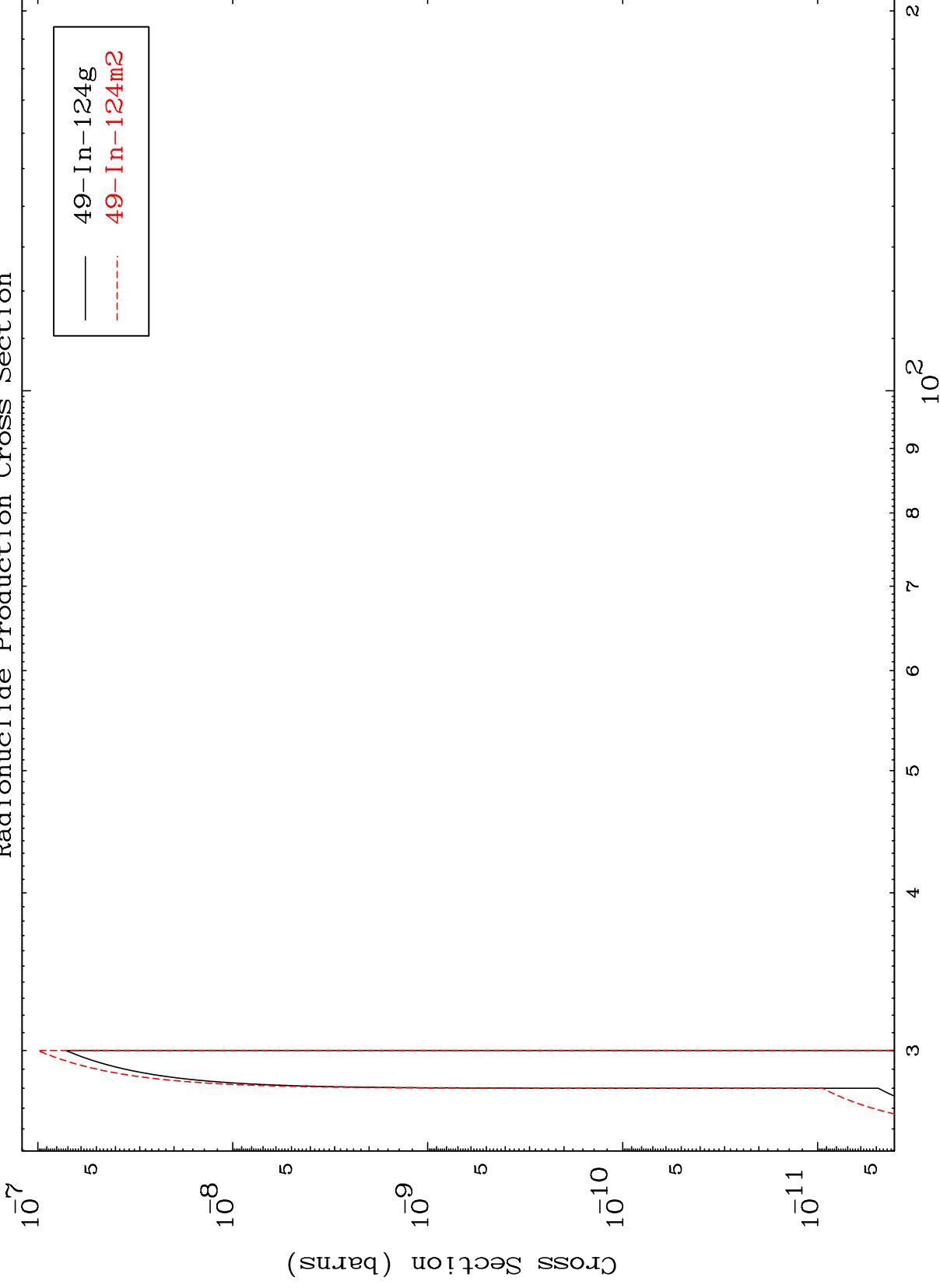
48-Cd-124

MAT 4879

$(\alpha, 3n)$ p

48-Cd-124

Radionuclide Production Cross Section



21

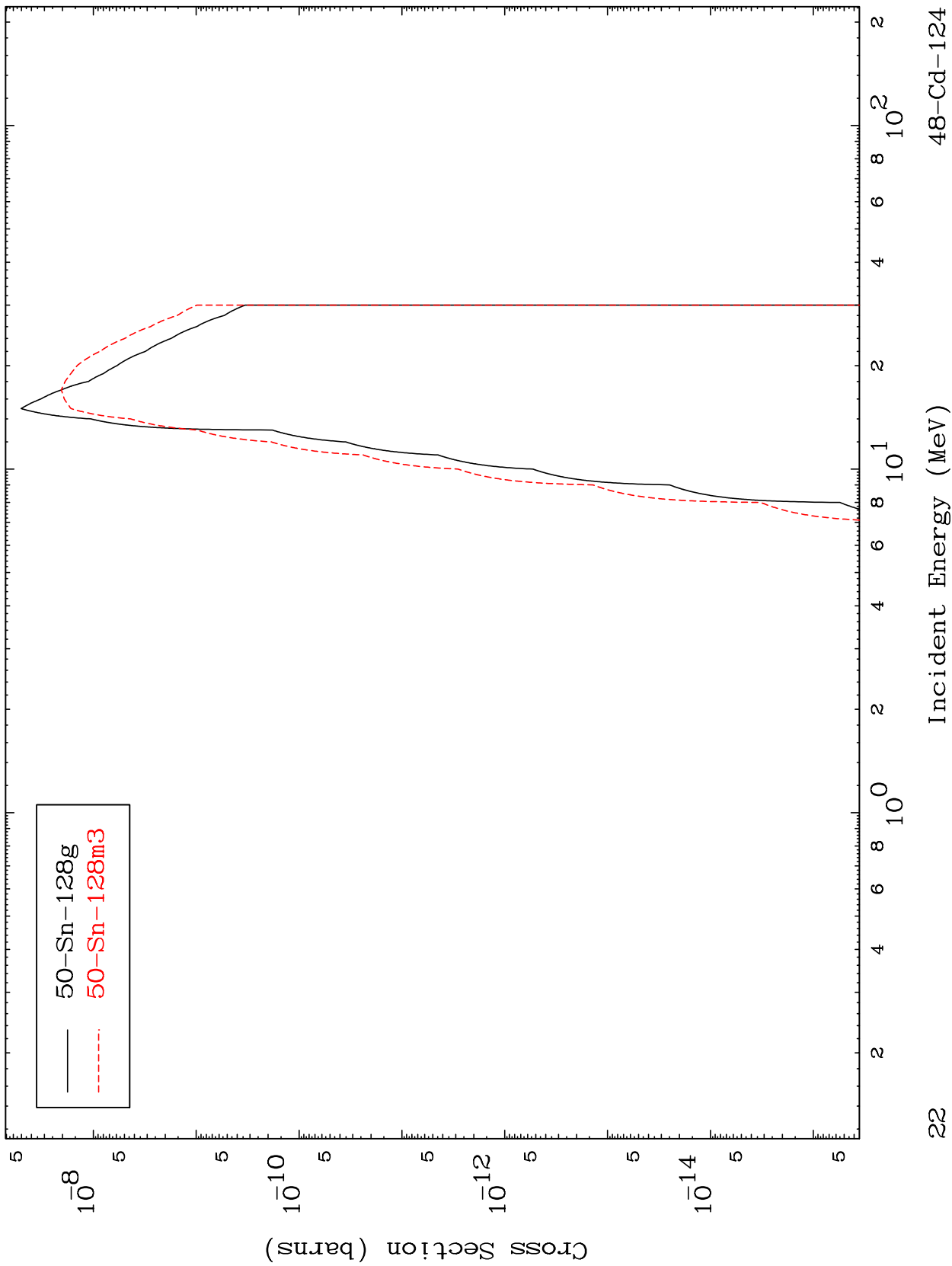
Incident Energy (MeV)

48-Cd-124

MAT 4879

48-Cd-124

Radionuclide Production Cross Section
(α, γ)



48-Cd-124

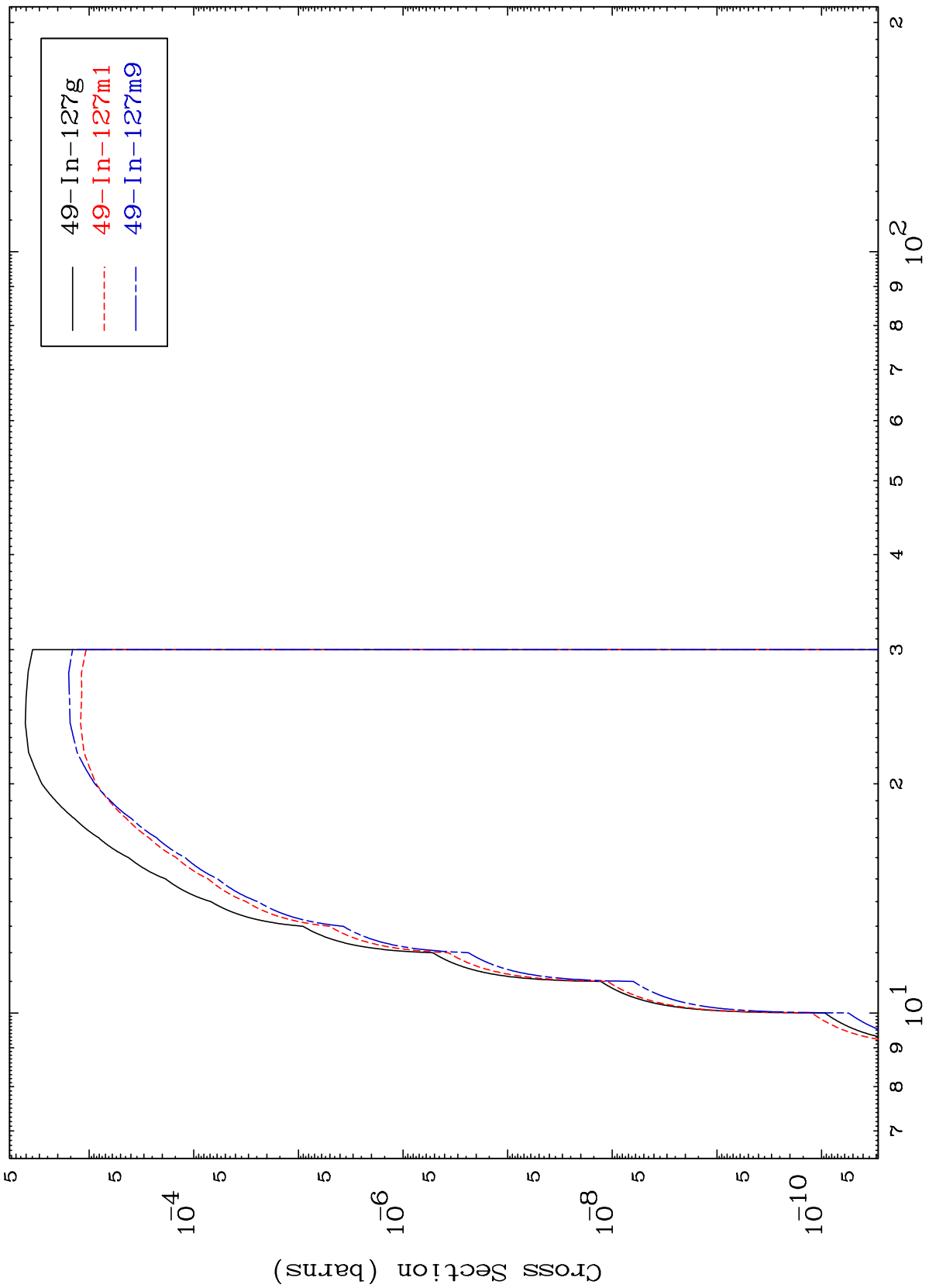
Incident Energy (MeV)

22

MAT 4879

48-Cd-124

(α, p)
Radionuclide Production Cross Section



23

Incident Energy (MeV)

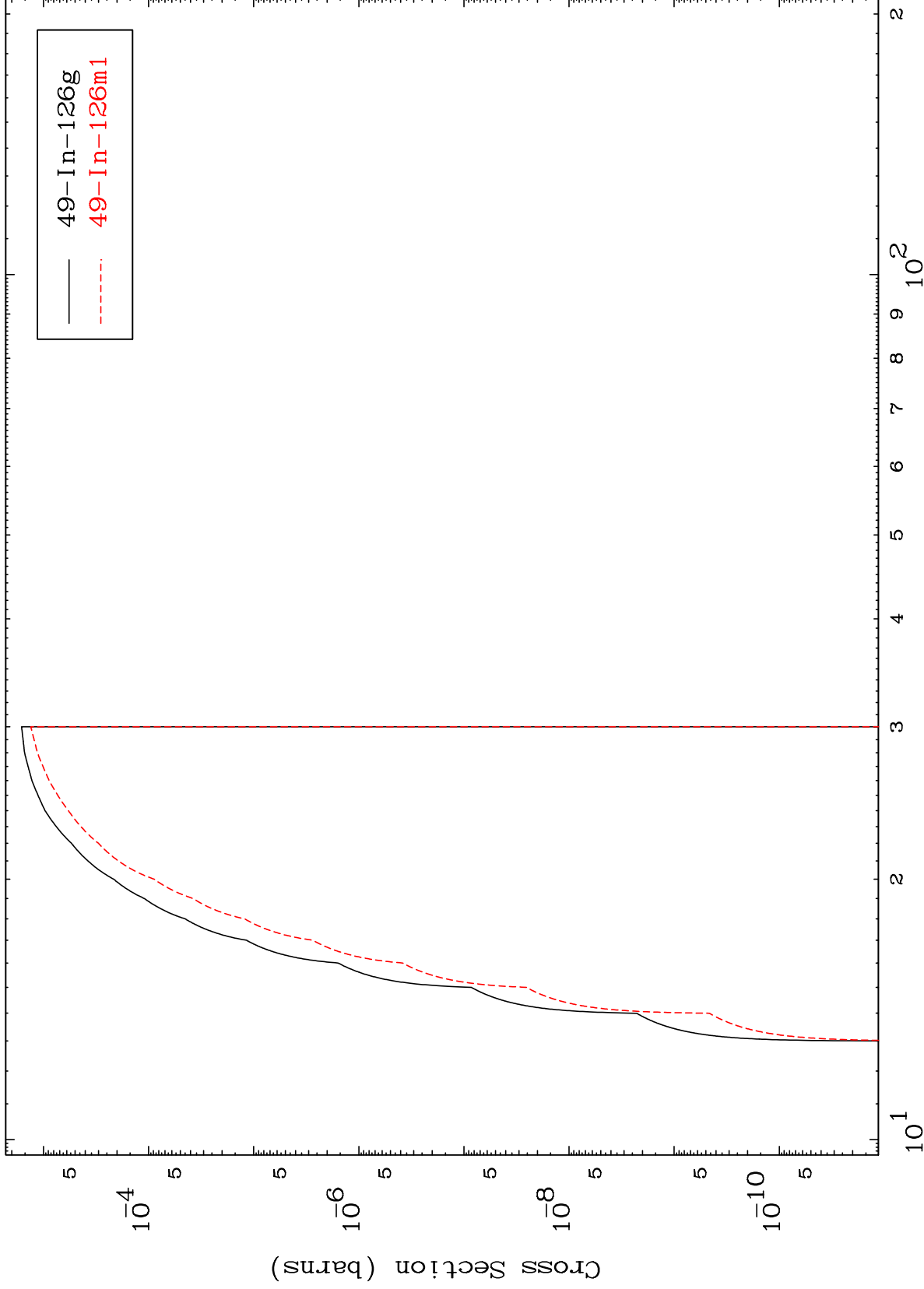
48-Cd-124

MAT 4879

(α, d)

48-Cd-124

Radionuclide Production Cross Section



48-Cd-124

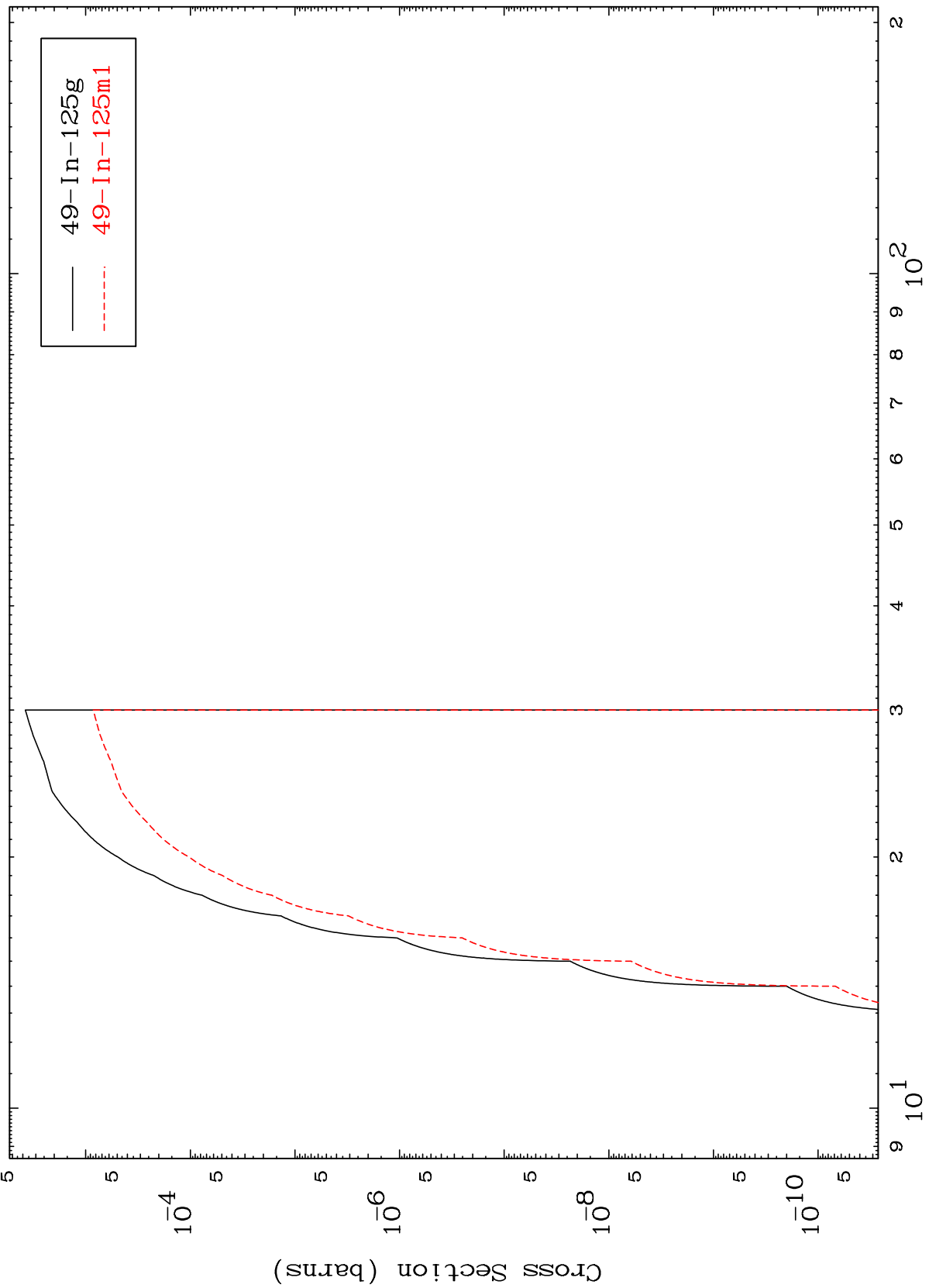
Incident Energy (MeV)

24

MAT 4879

48-Cd-124

(α, t)
Radionuclide Production Cross Section



25

Incident Energy (MeV)

48-Cd-124