

Program EVALPLOT
(Version 2018-1)

by

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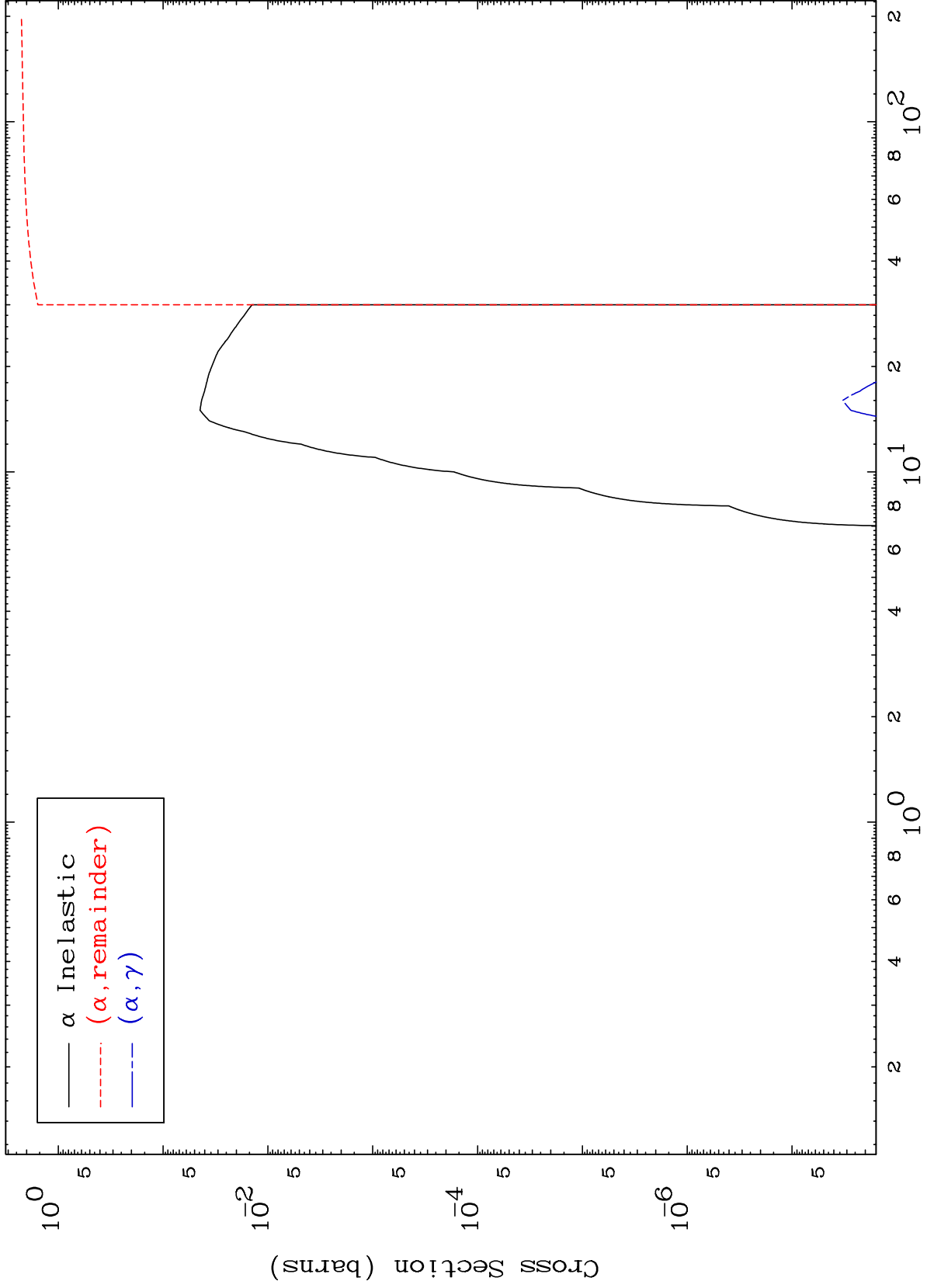
Press Mouse Button to Start

MAT 4876

α Major

48-Cd-123

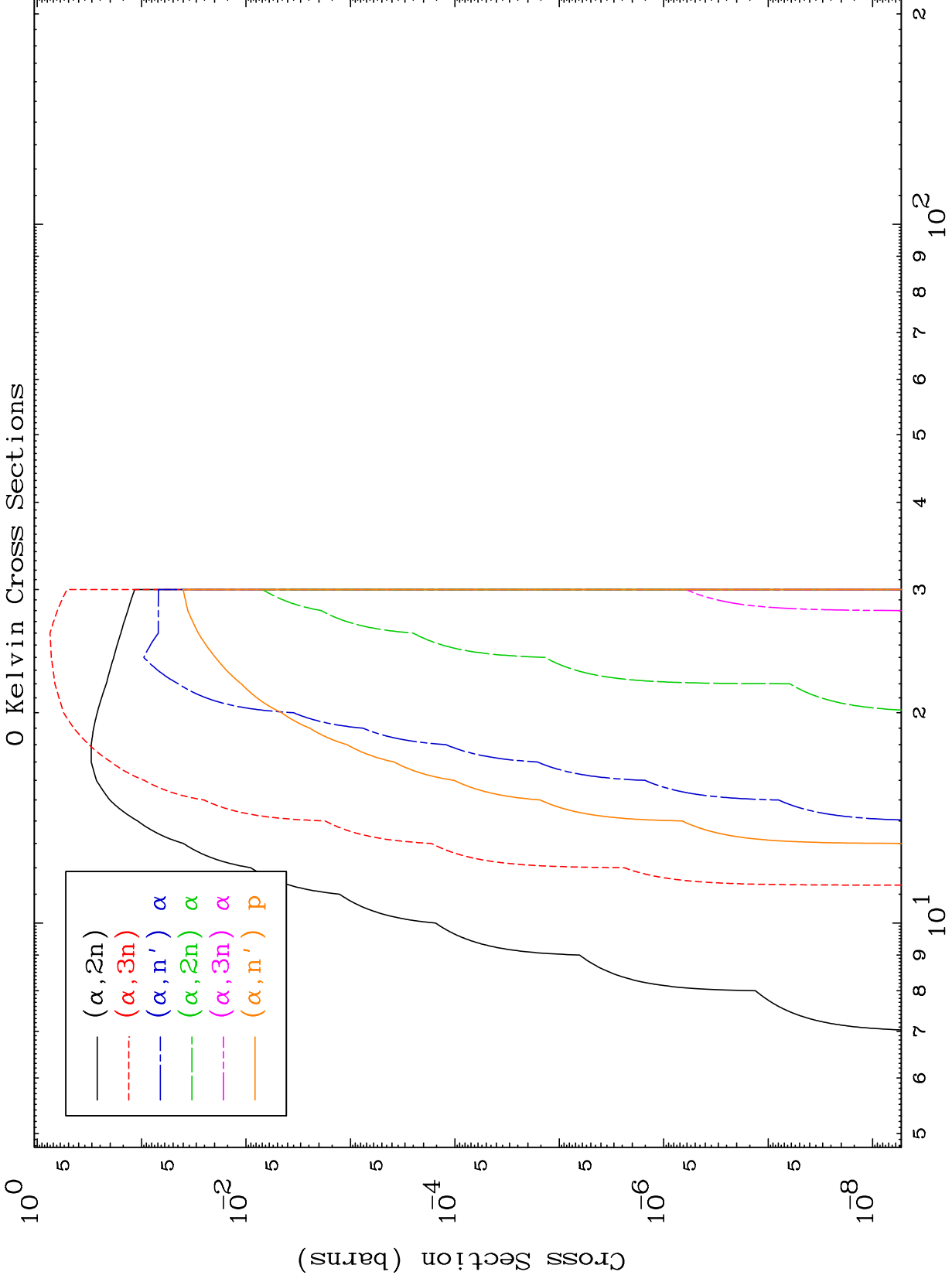
0 Kelvin Cross Sections



MAT 4876

α Neutron Production
0 Kelvin Cross Sections

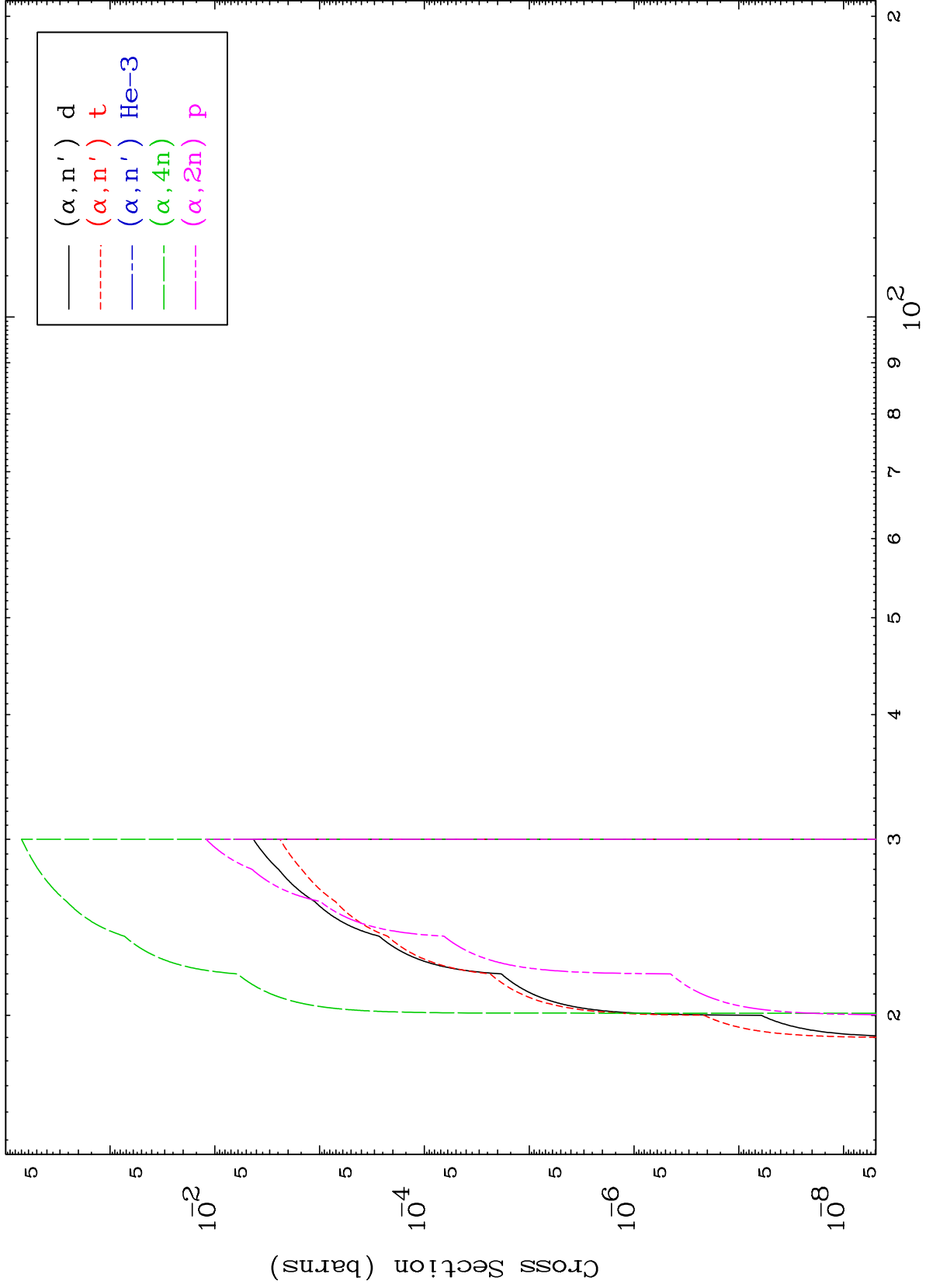
48-Cd-123

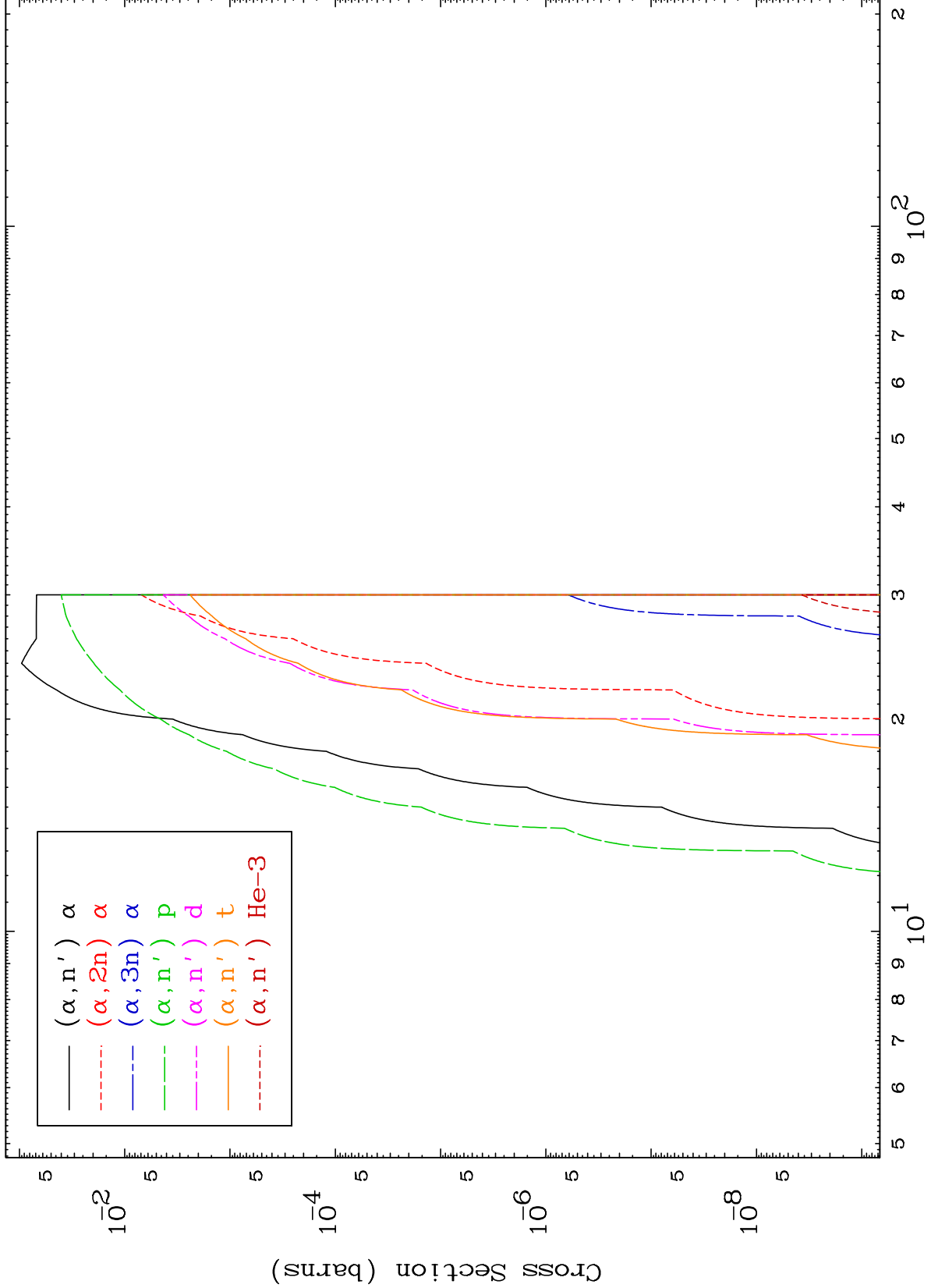


Incident Energy (MeV)

48-Cd-123

2

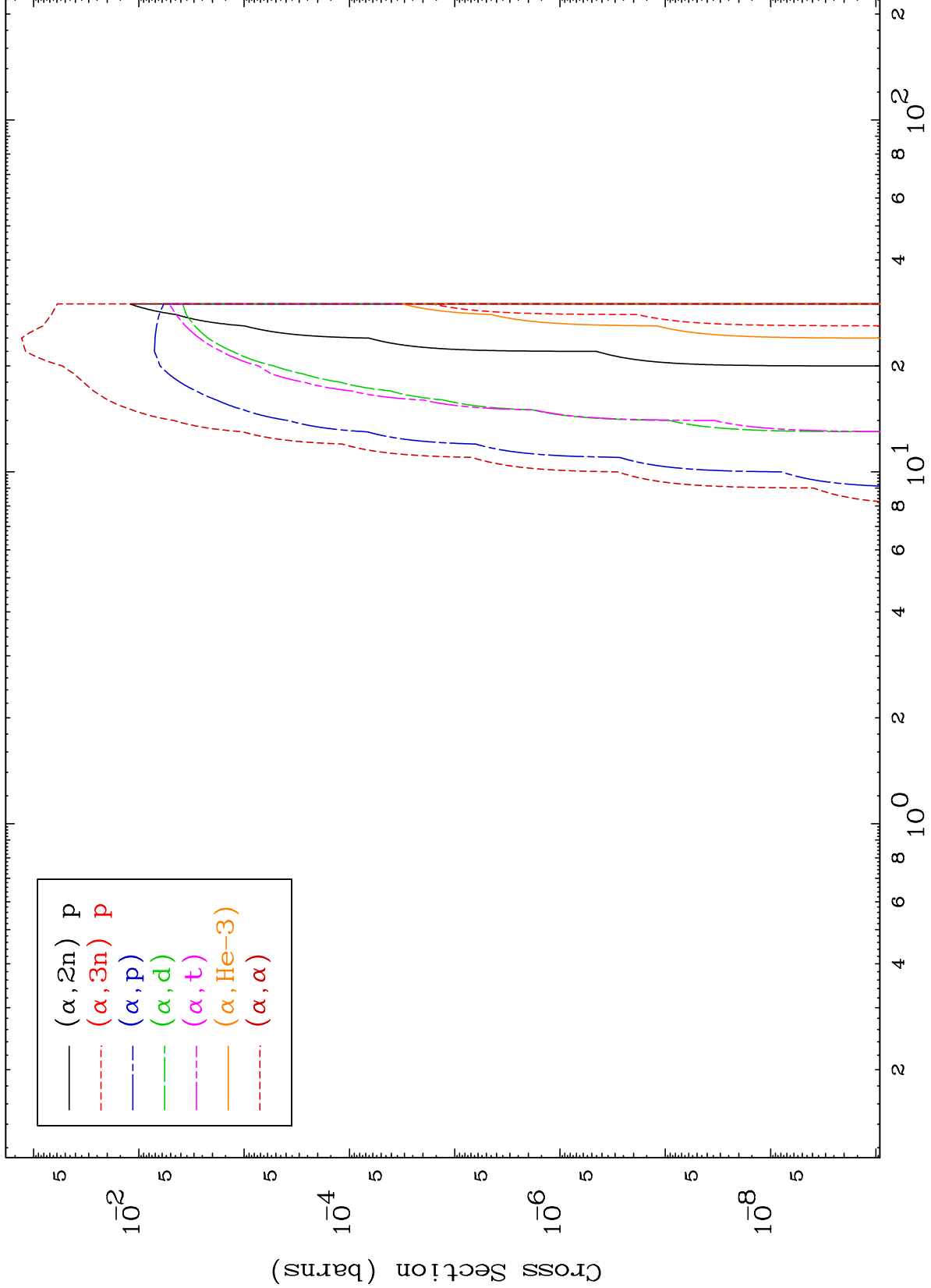




MAT 4876

α Charged Particle
0 Kelvin Cross Sections

48-Cd-123

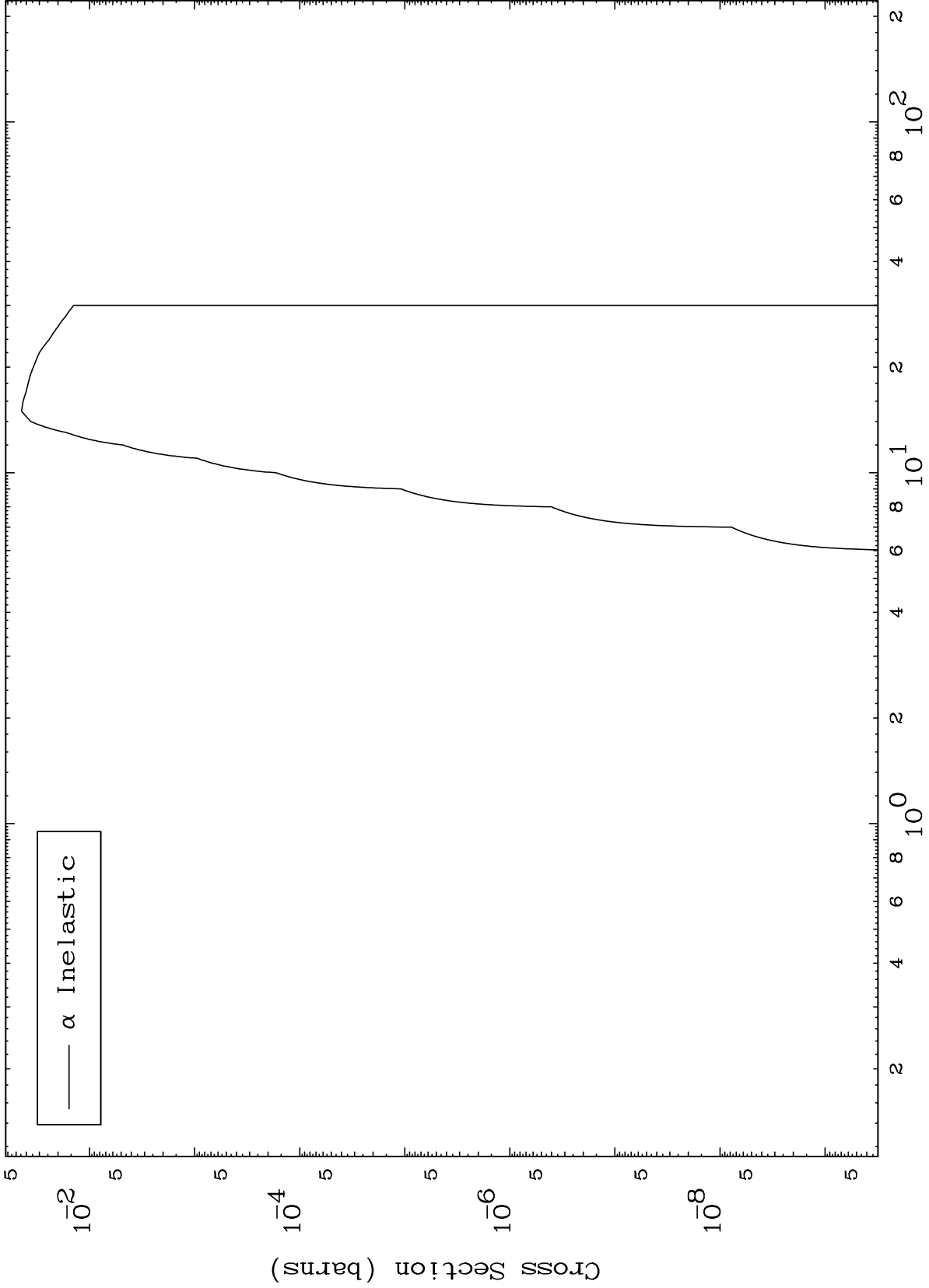


MAT 4876

(α, n') Level

48-Cd-123

0 Kelvin Cross Sections



6

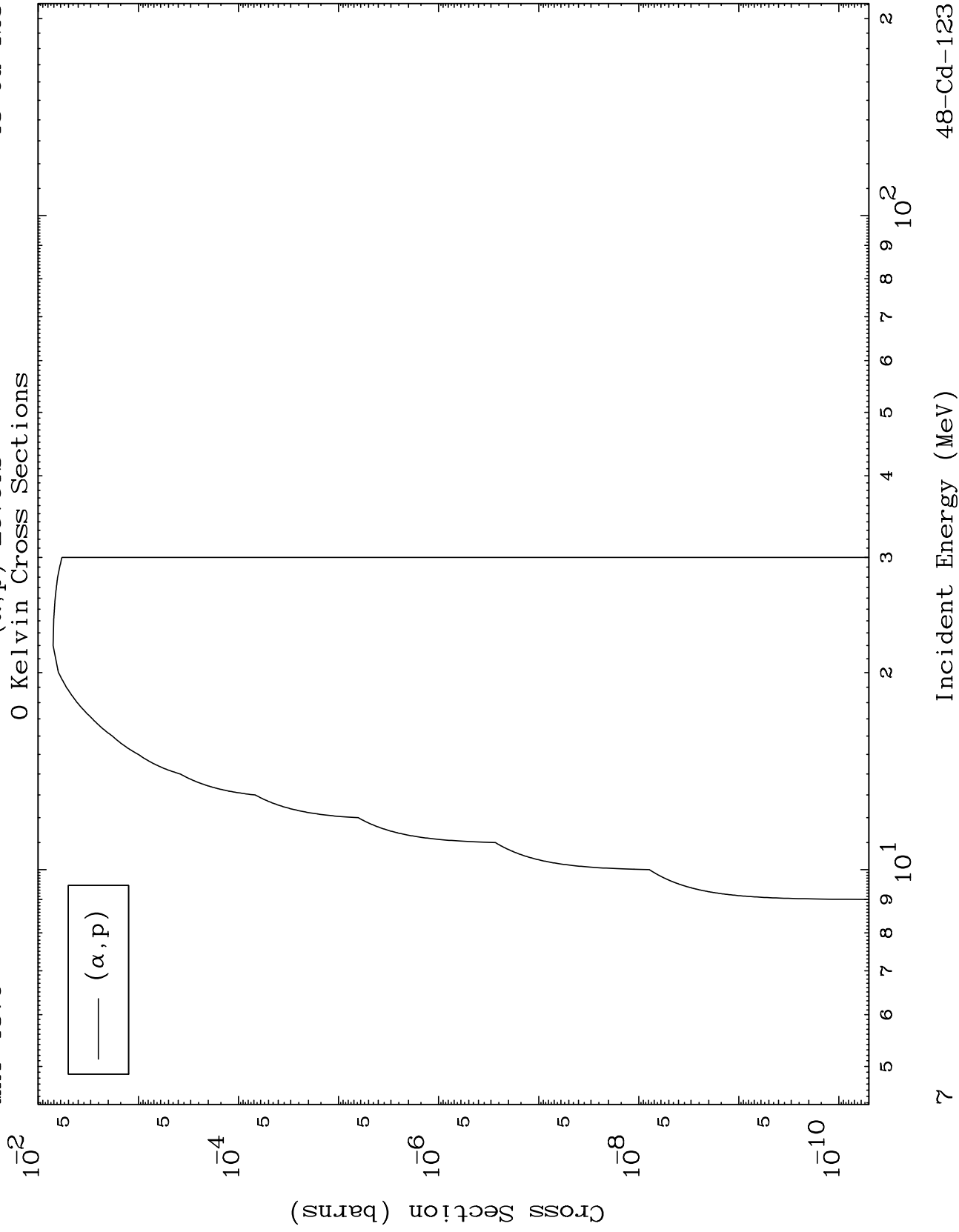
Incident Energy (MeV)

48-Cd-123

MAT 4876

(α, p) Levels

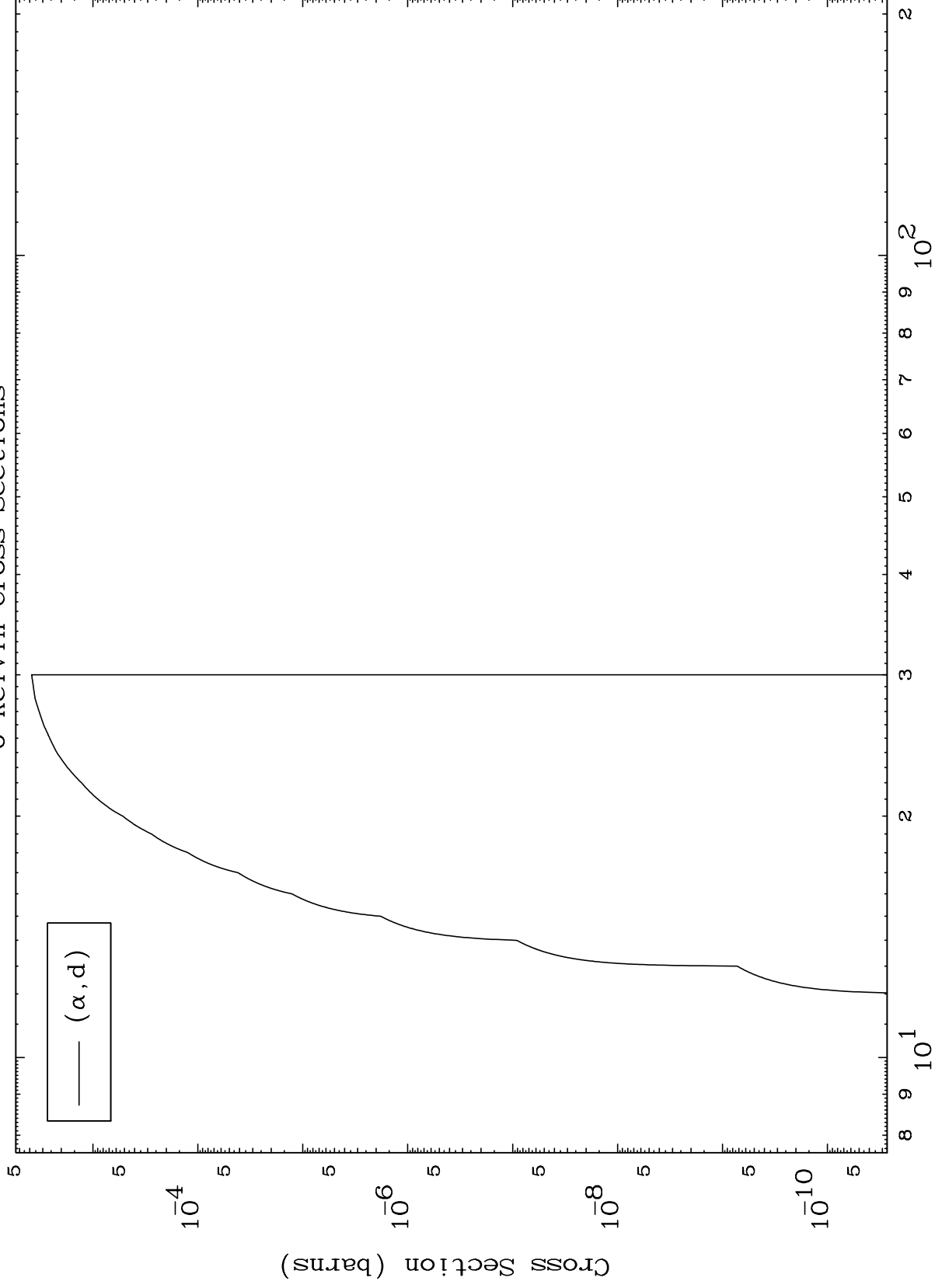
48-Cd-123



MAT 4876

(α, d) Levels
0 Kelvin Cross Sections

48-Cd-123



8

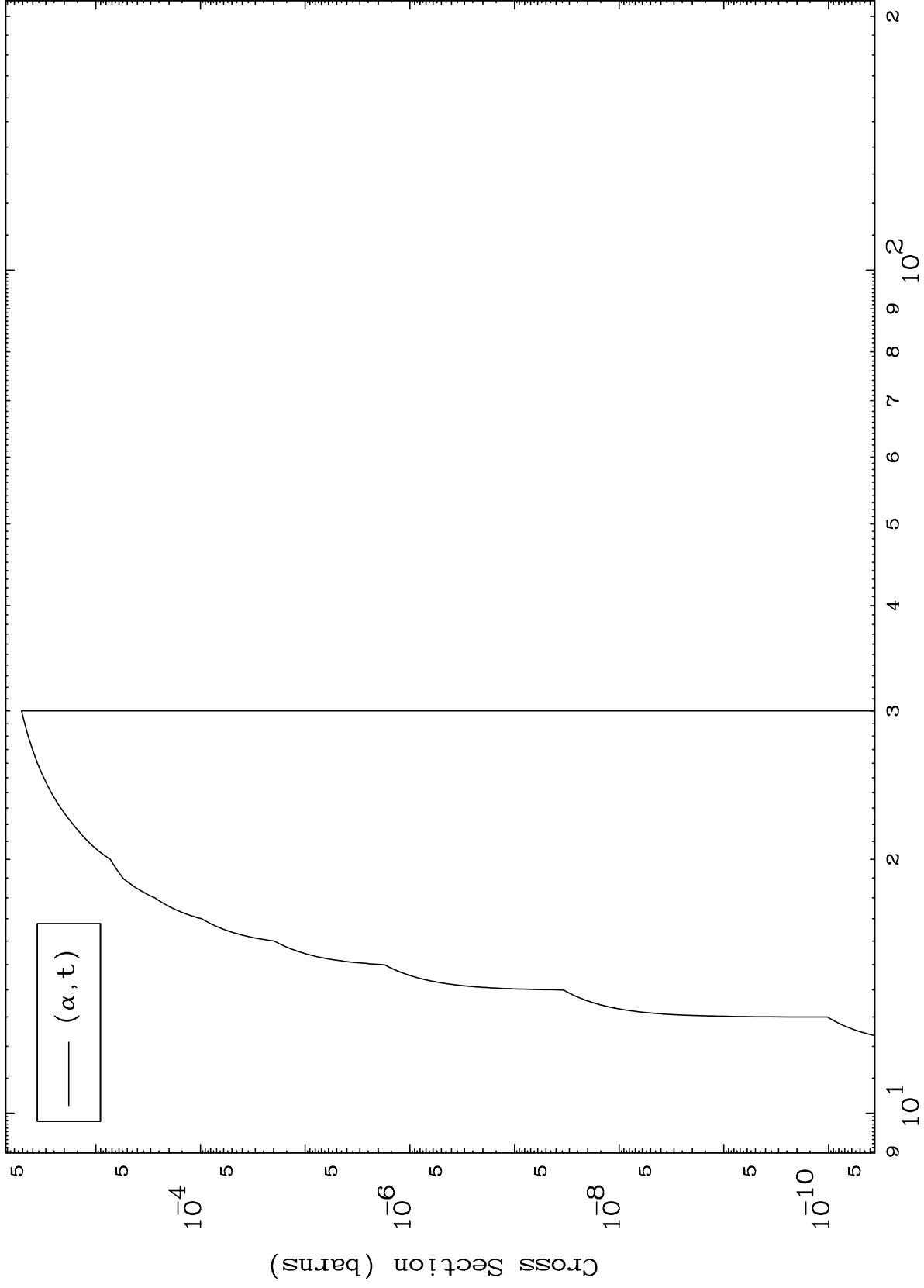
Incident Energy (MeV)

48-Cd-123

MAT 4876

(α, t) Levels
0 Kelvin Cross Sections

48-Cd-123



9

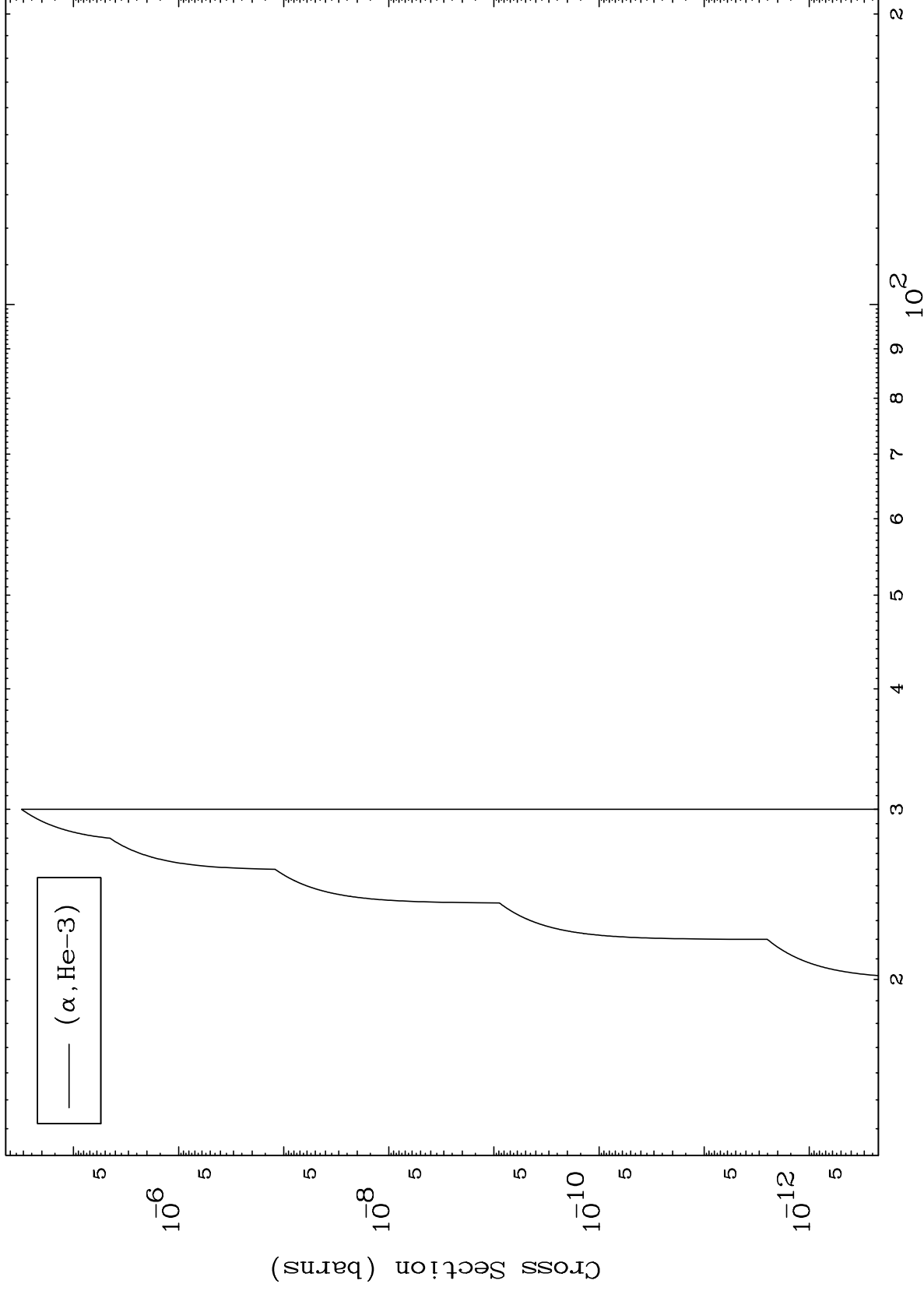
Incident Energy (MeV)

48-Cd-123

MAT 4876

(α , He3) Levels
0 Kelvin Cross Sections

48-Cd-123



10

Incident Energy (MeV)

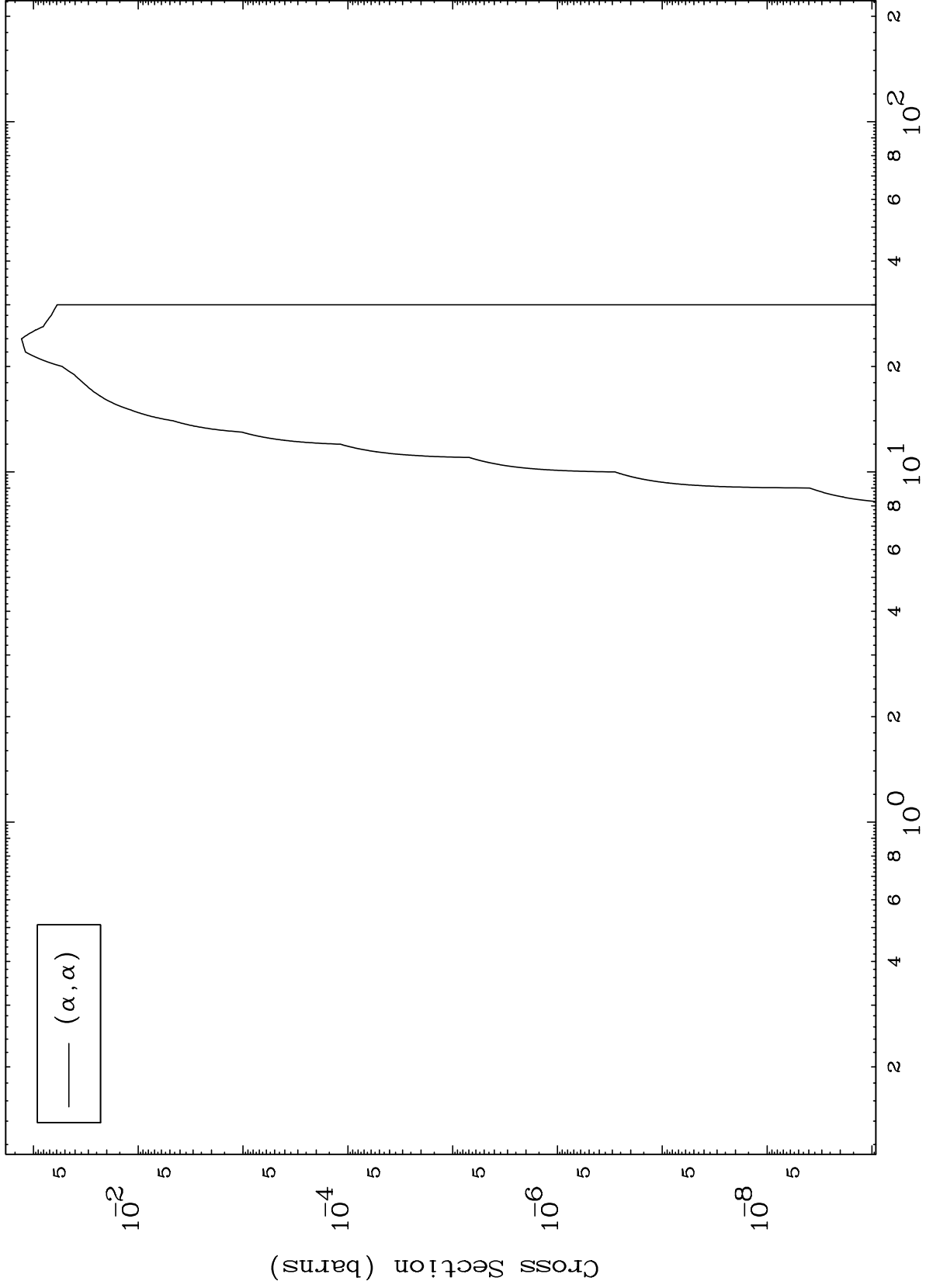
48-Cd-123

MAT 4876

(α, α) Levels

48-Cd-123

0 Kelvin Cross Sections

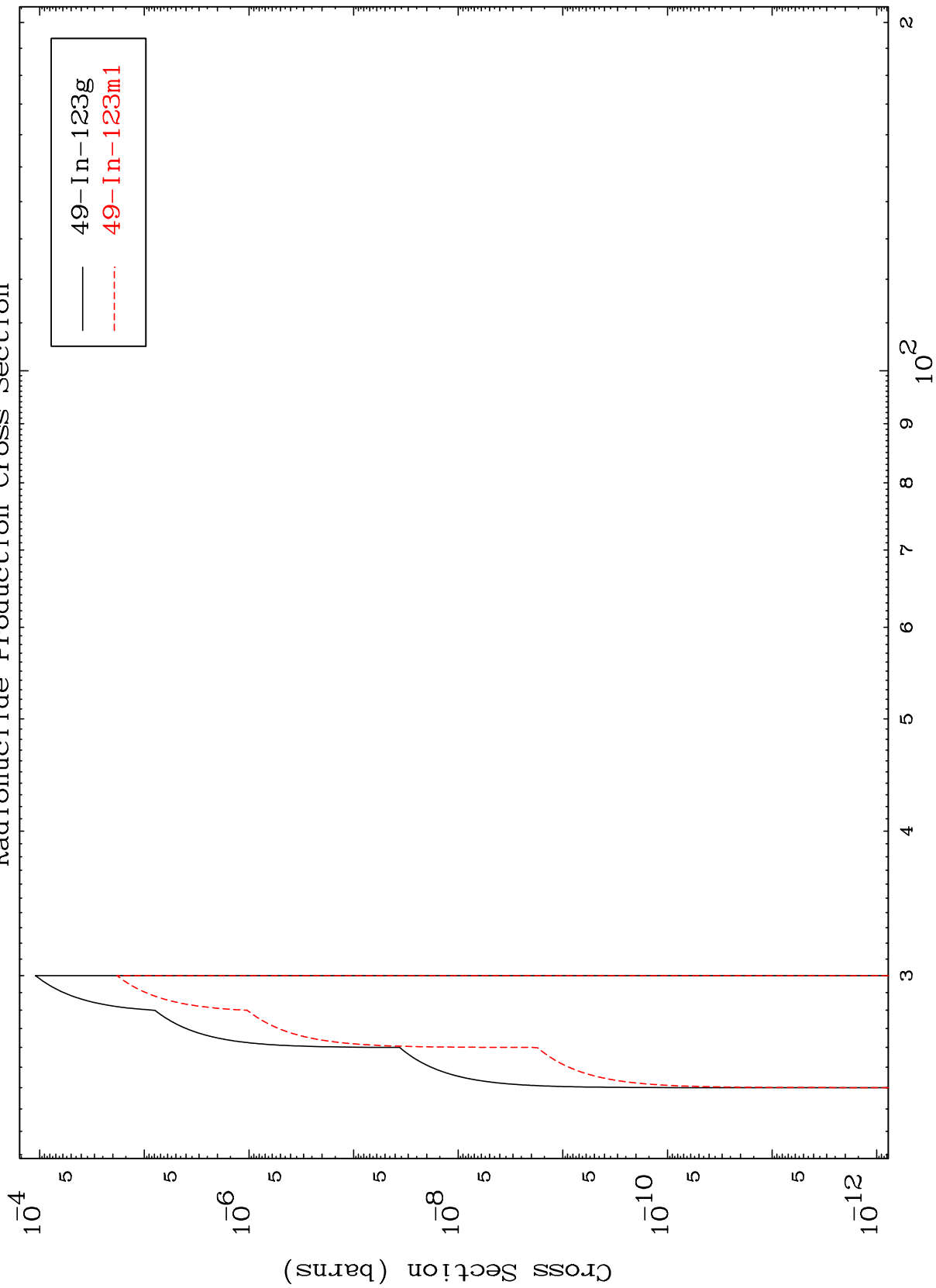


MAT 4876

($\alpha, 2n$) d

48-Cd-123

Radionuclide Production Cross Section



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

12

Incident Energy (MeV)

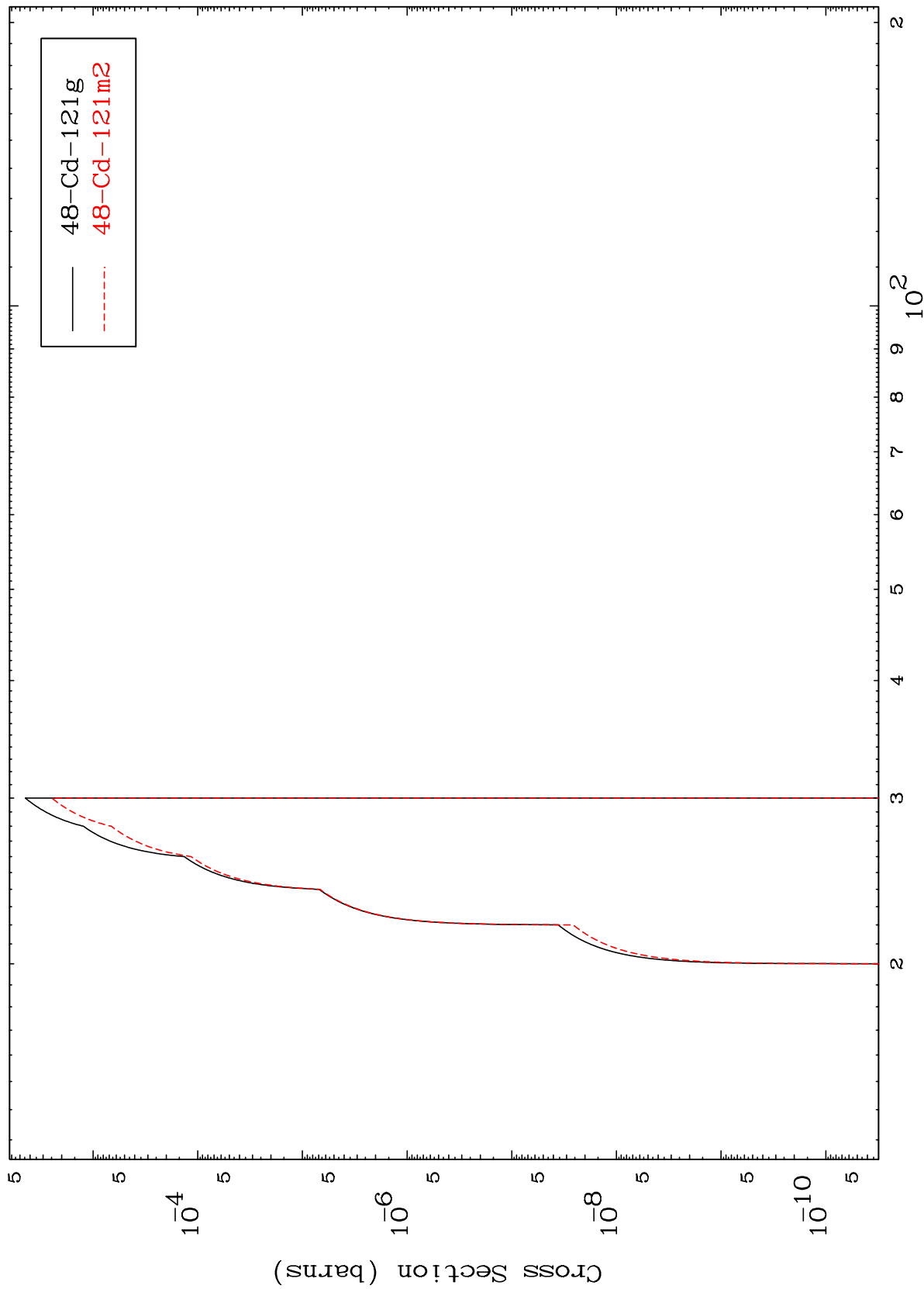
48-Cd-123

MAT 4876

$(\alpha, 2n) \alpha$

48-Cd-123

Radionuclide Production Cross Section



14

Incident Energy (MeV)

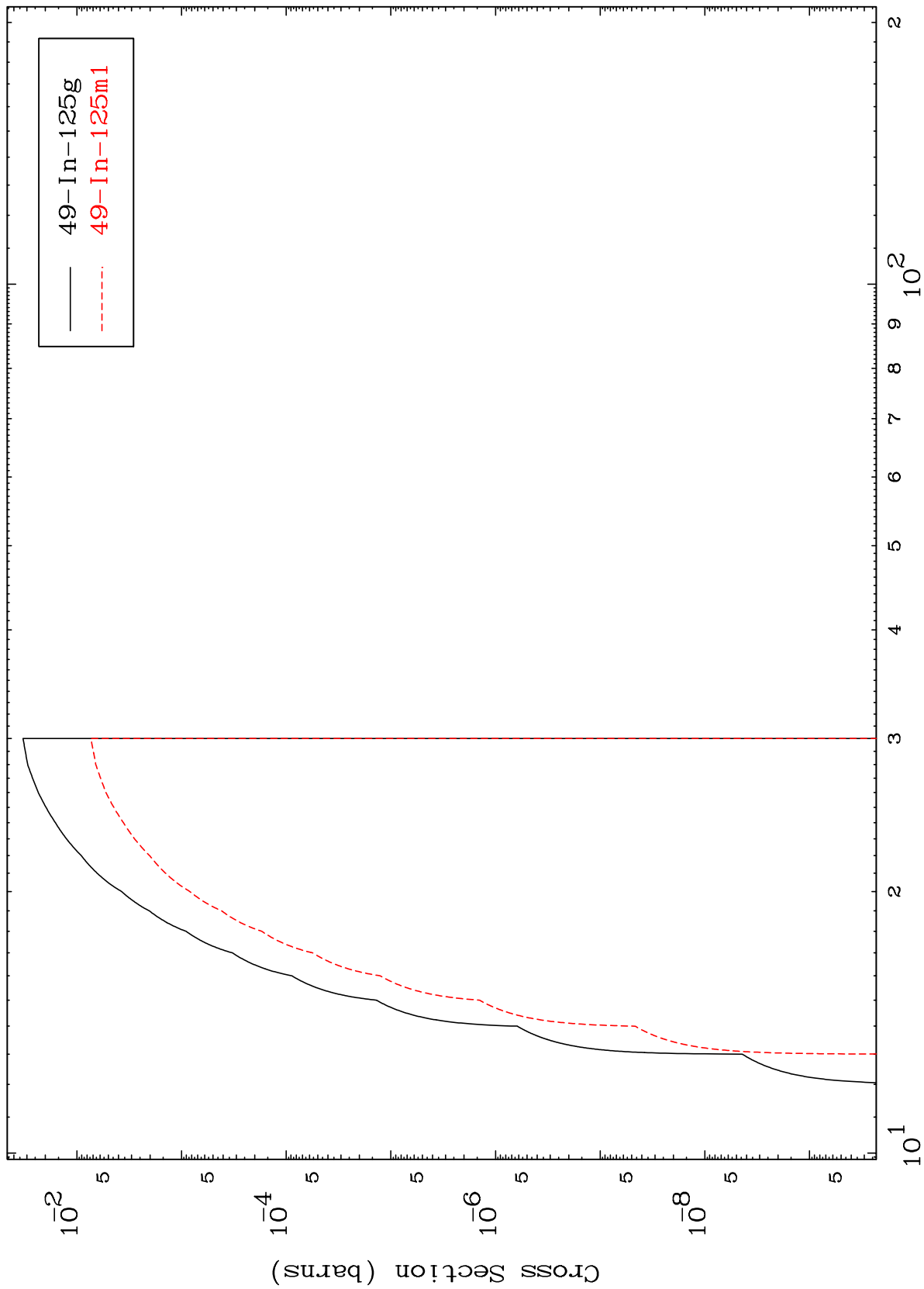
48-Cd-123

MAT 4876

(α, n') p

48-Cd-123

Radionuclide Production Cross Section

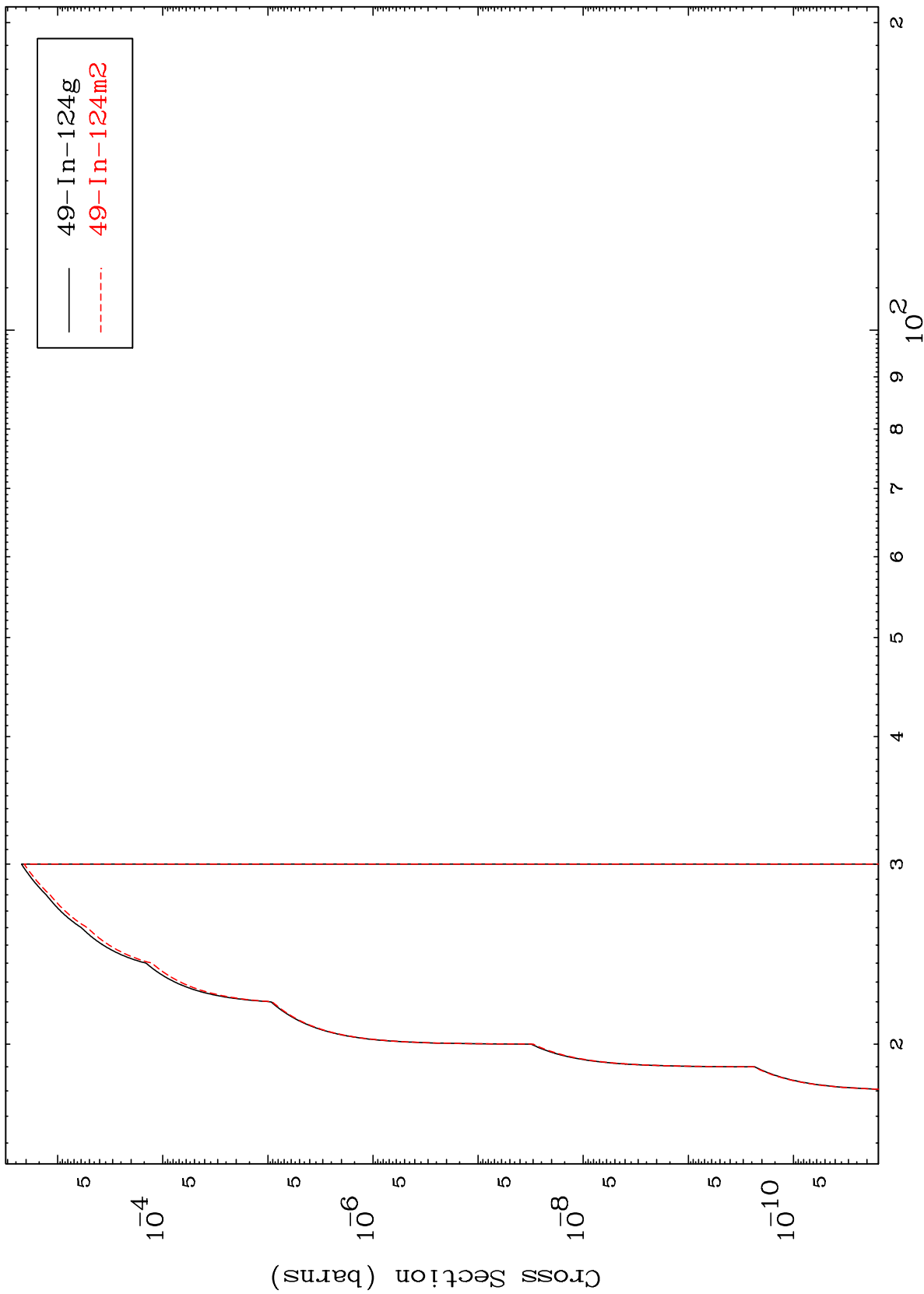


10¹

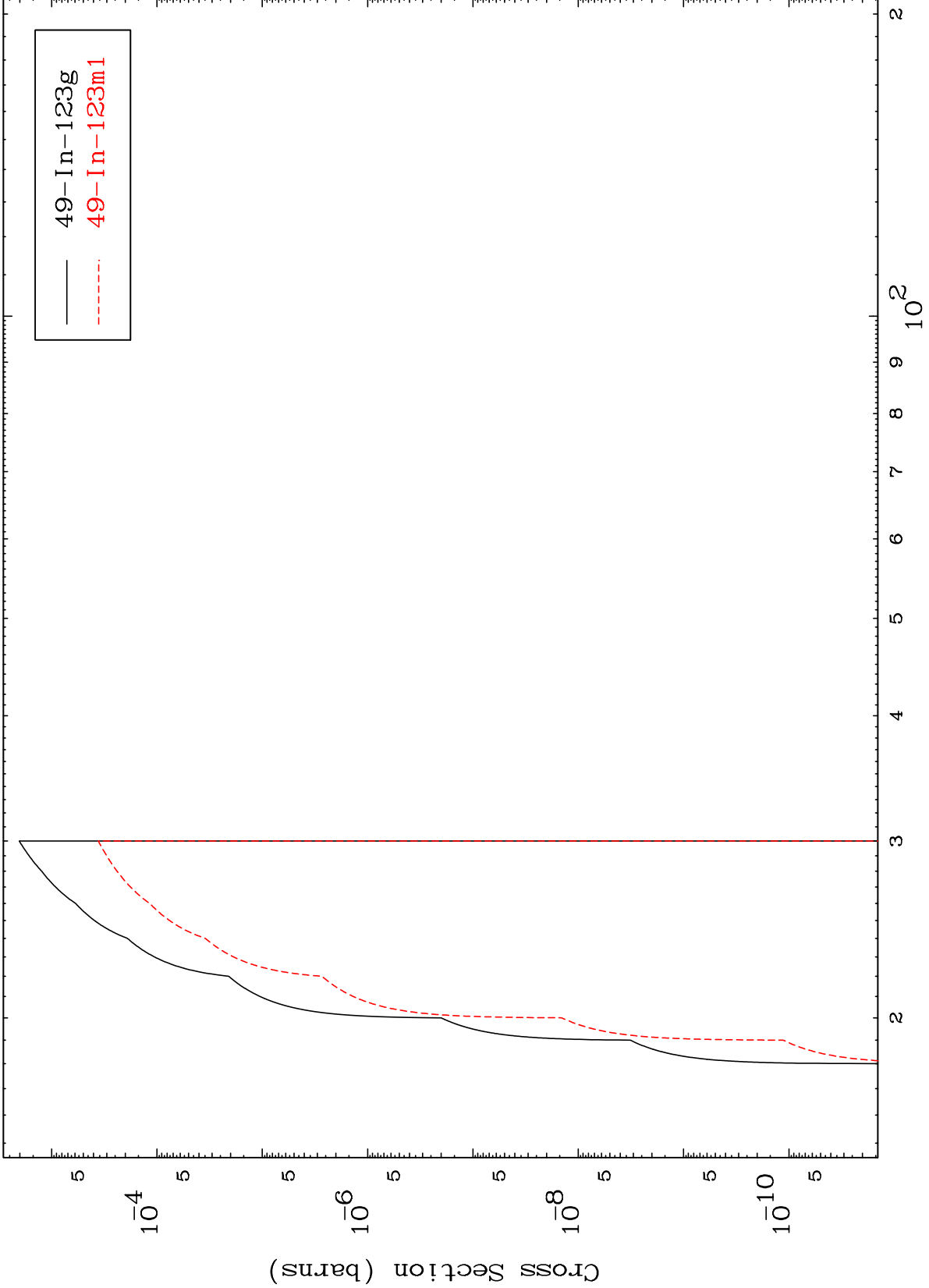
Incident Energy (MeV)

48-Cd-123

Radionuclide Production Cross Section



Radionuclide Production Cross Section

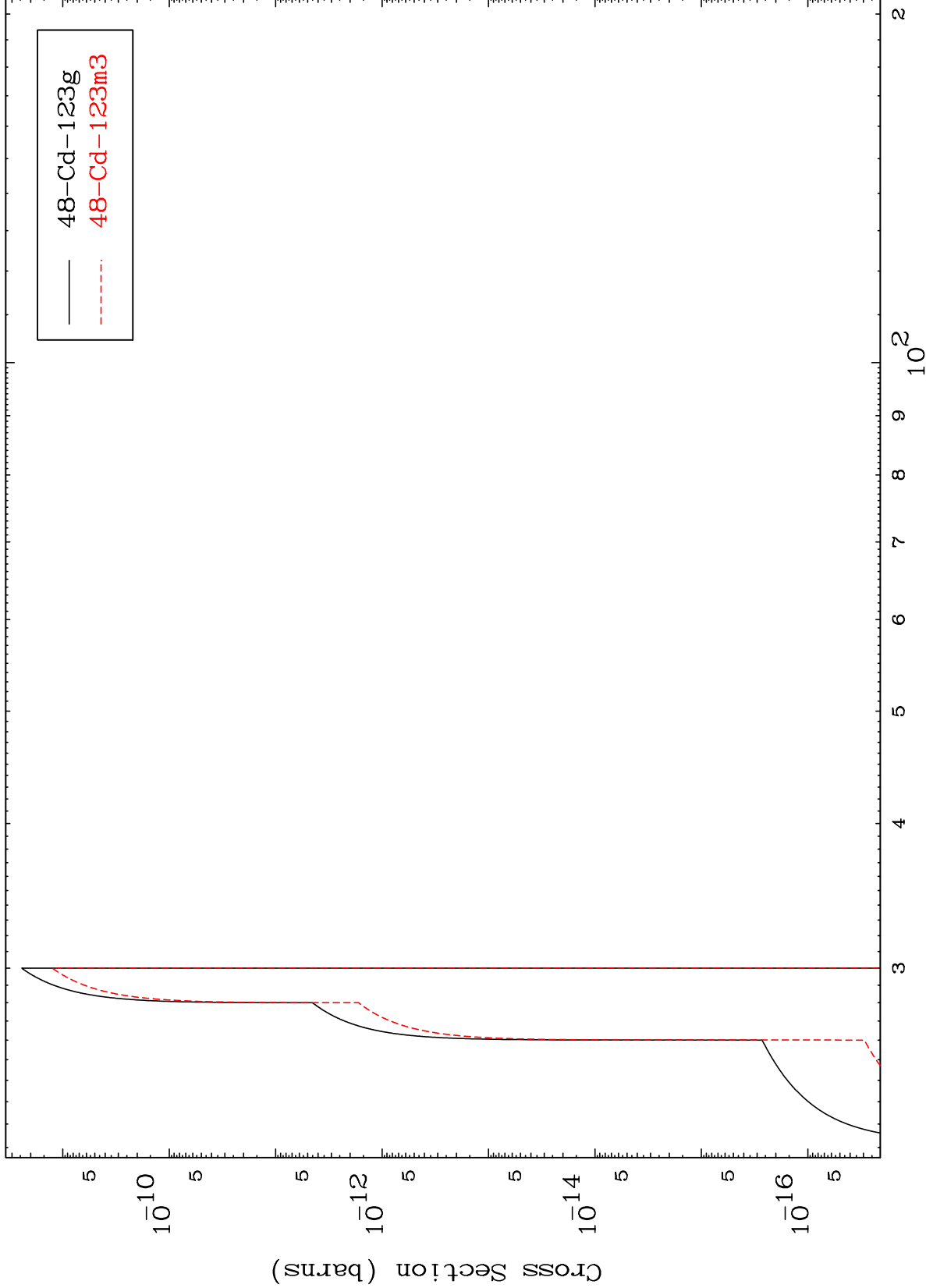


MAT 4876

(α, n') He-3

48-Cd-123

Radionuclide Production Cross Section



18

Incident Energy (MeV)

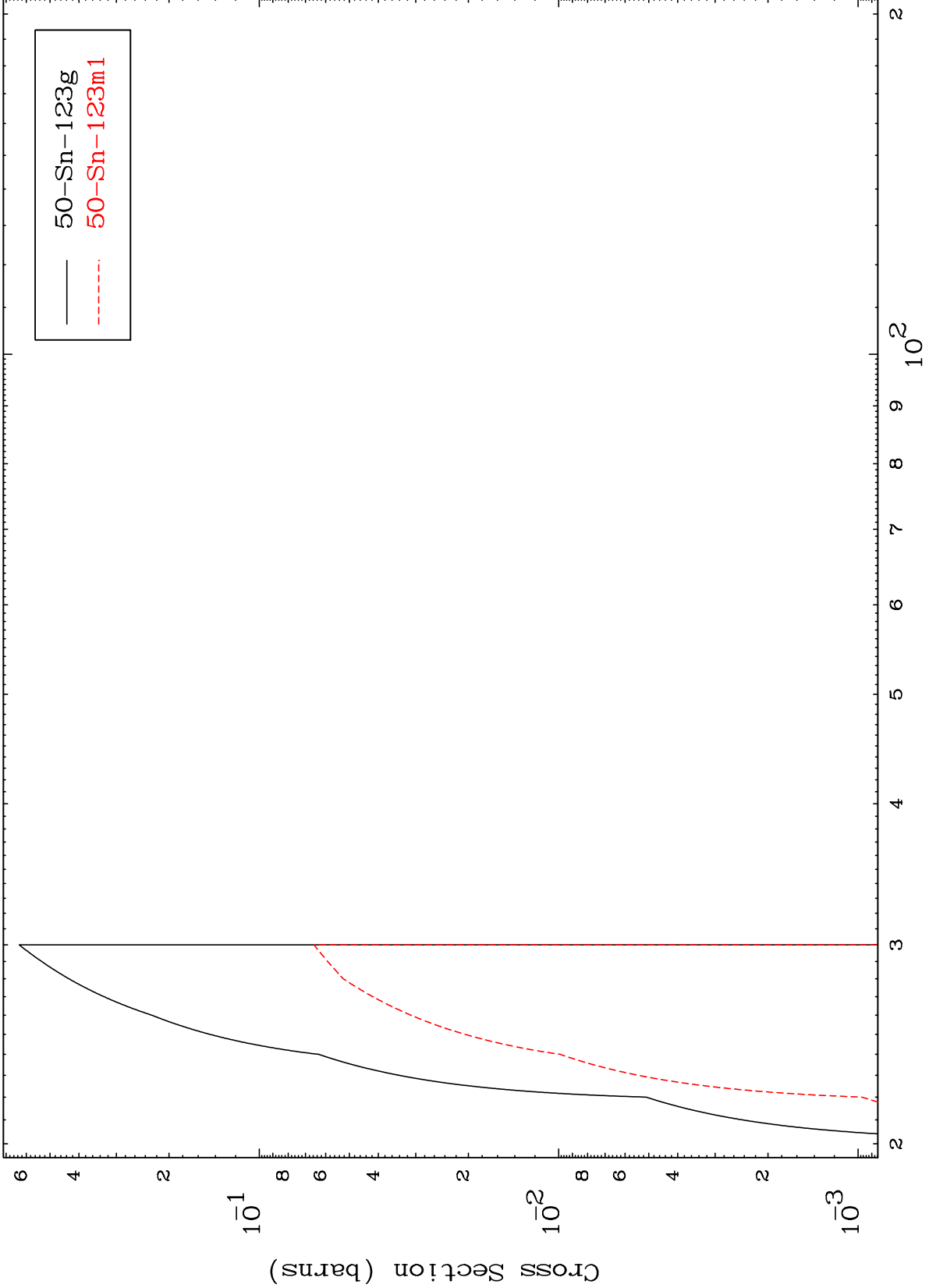
48-Cd-123

MAT 4876

($\alpha, 4n$)

48-Cd-123

Radionuclide Production Cross Section



50-Sn-123g
50-Sn-123m1

19

Incident Energy (MeV)

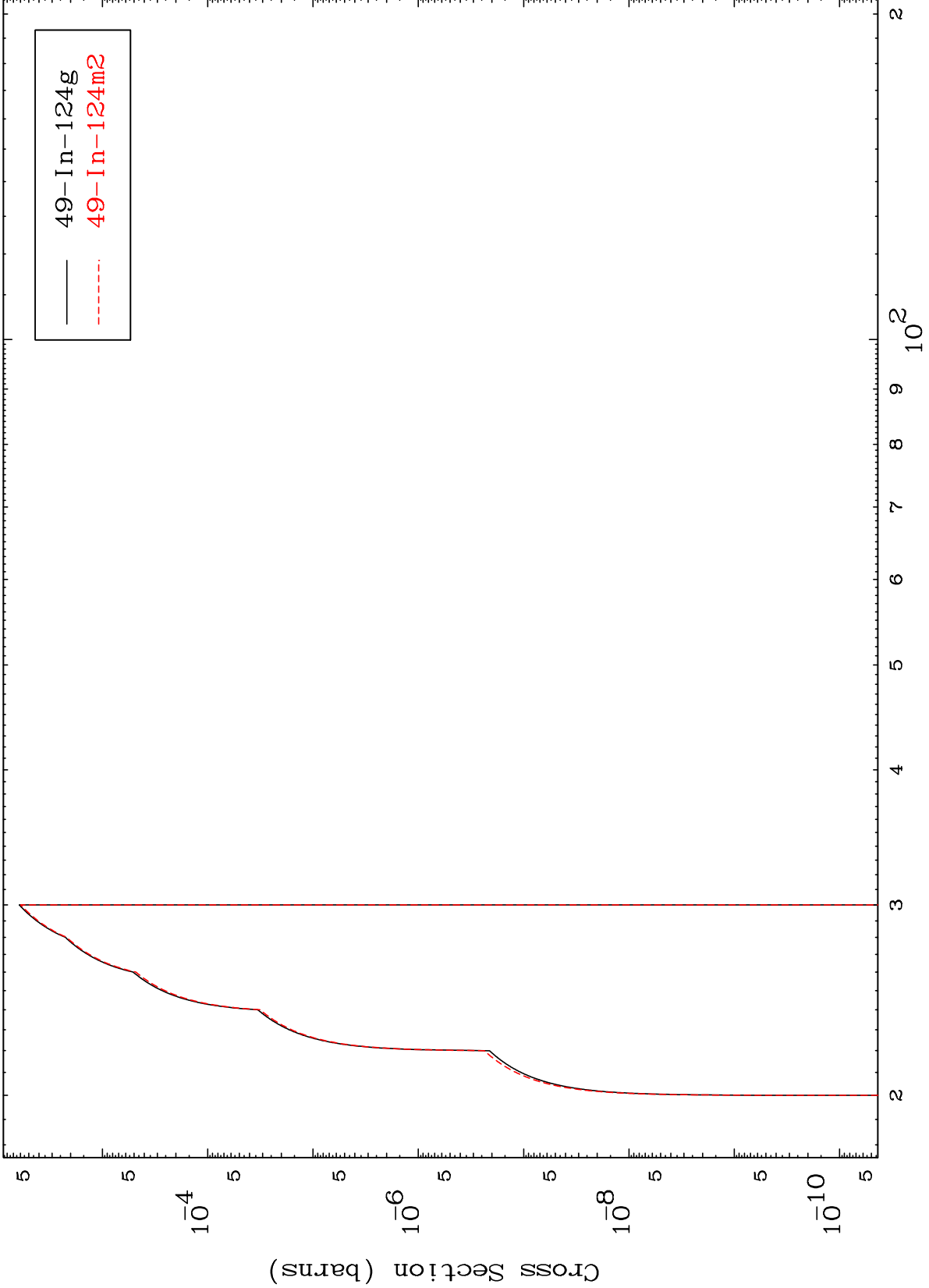
48-Cd-123

MAT 4876

($\alpha, 2n$) p

48-Cd-123

Radionuclide Production Cross Section



20

Incident Energy (MeV)

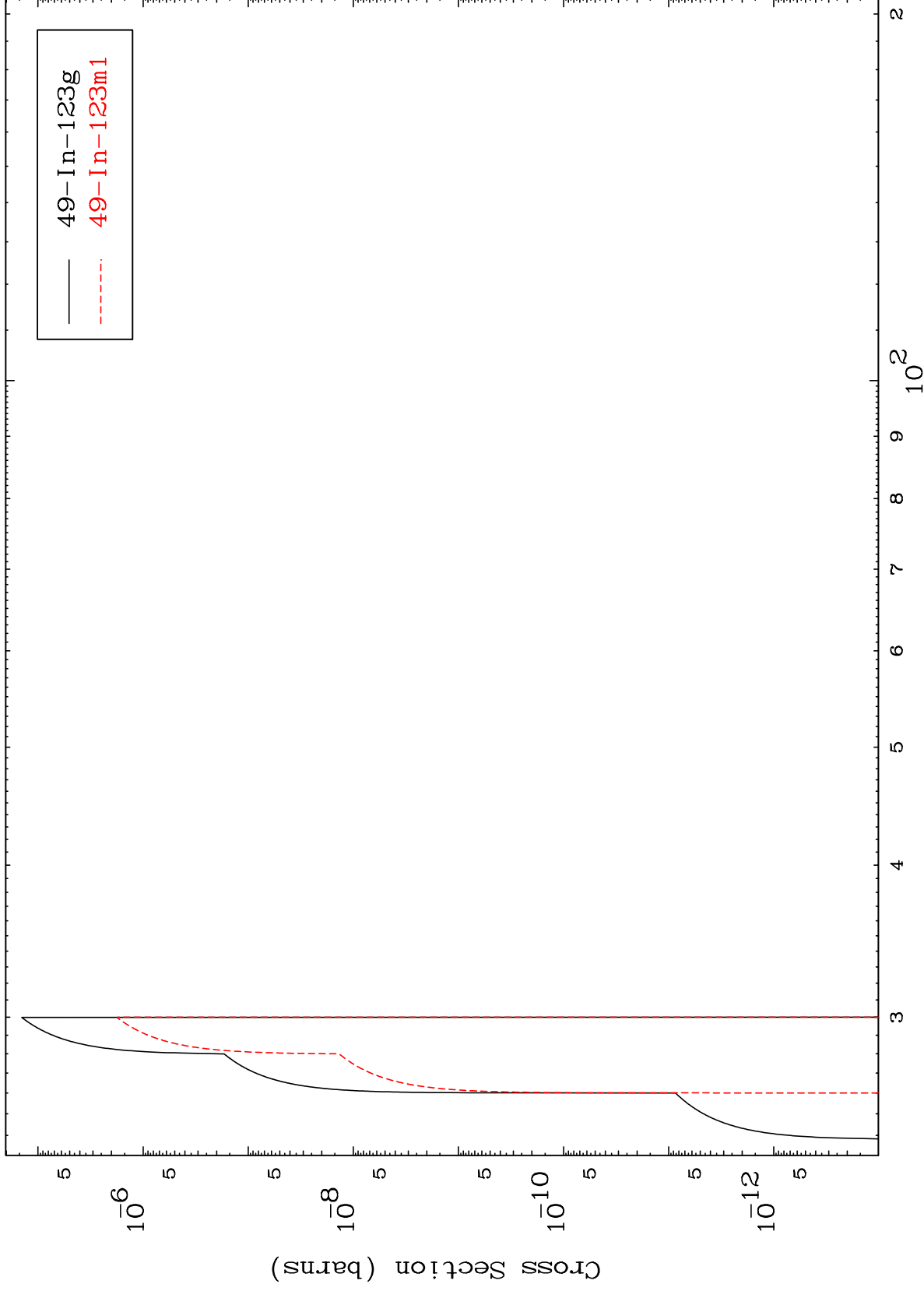
48-Cd-123

MAT 4876

($\alpha, 3n$) p

48-Cd-123

Radionuclide Production Cross Section



21

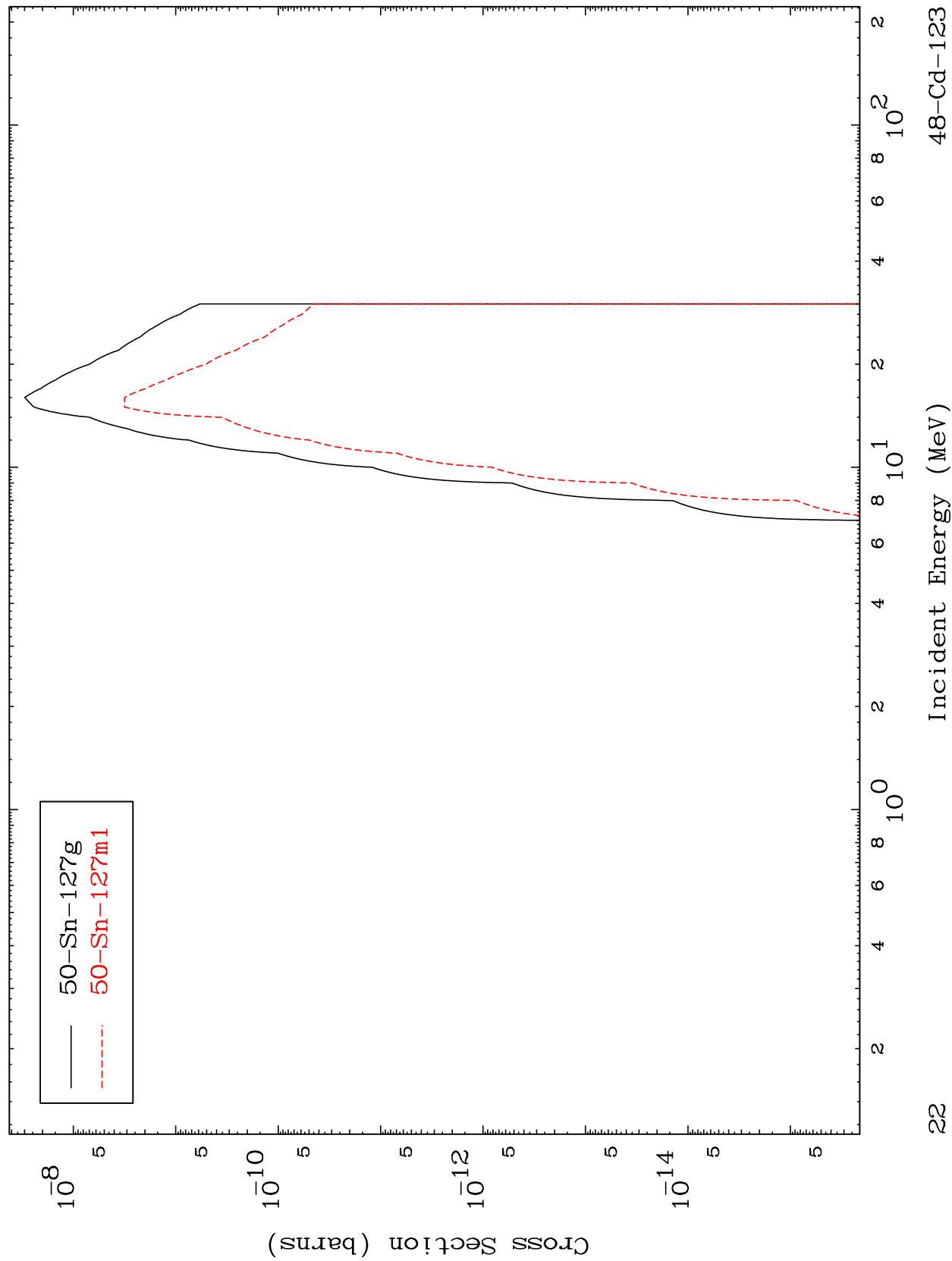
Incident Energy (MeV)

48-Cd-123

MAT 4876

48-Cd-123

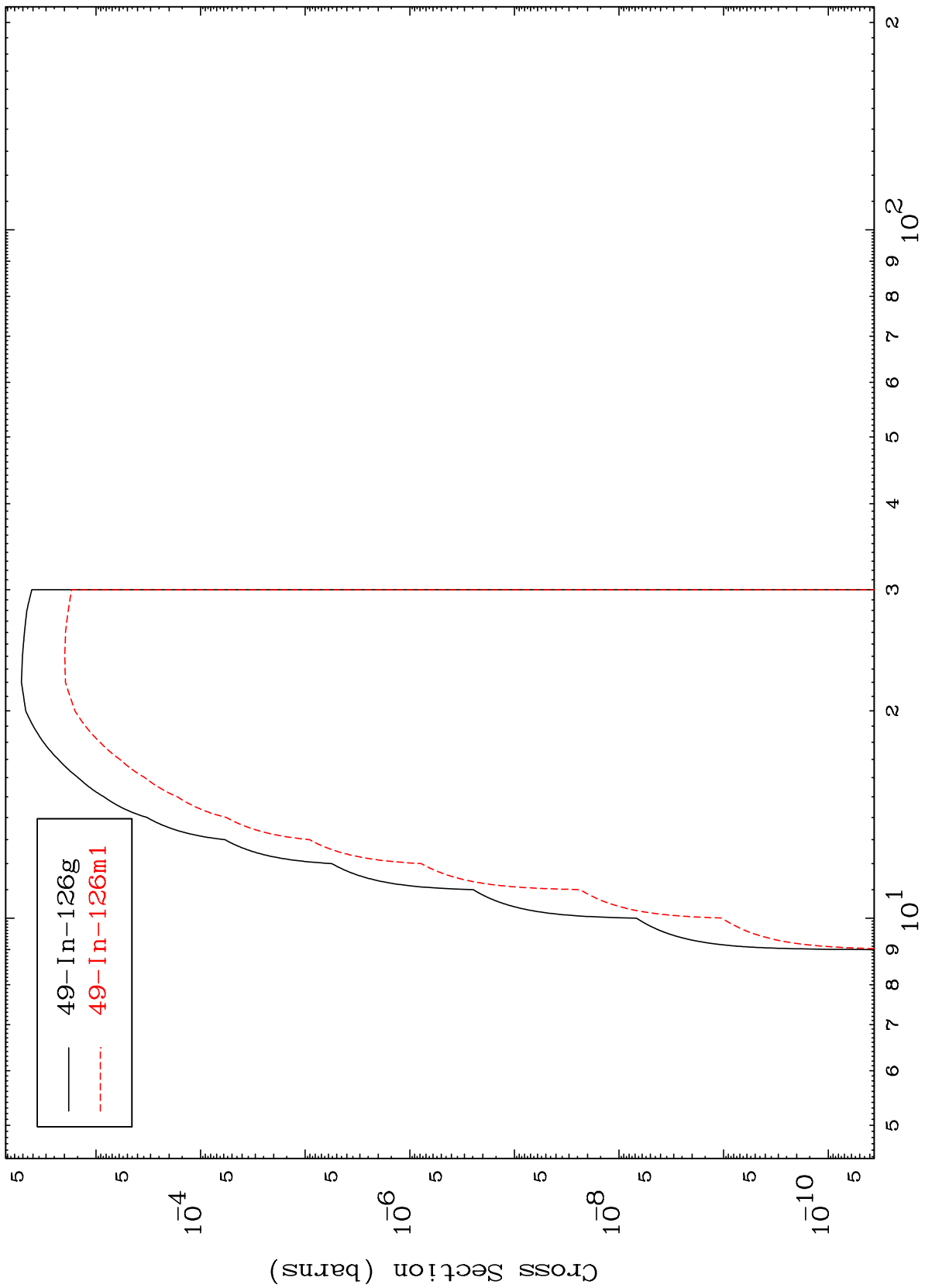
Radionuclide Production Cross Section
(α, γ)



MAT 4876

48-Cd-123

(α, p)
Radionuclide Production Cross Section



23

Incident Energy (MeV)

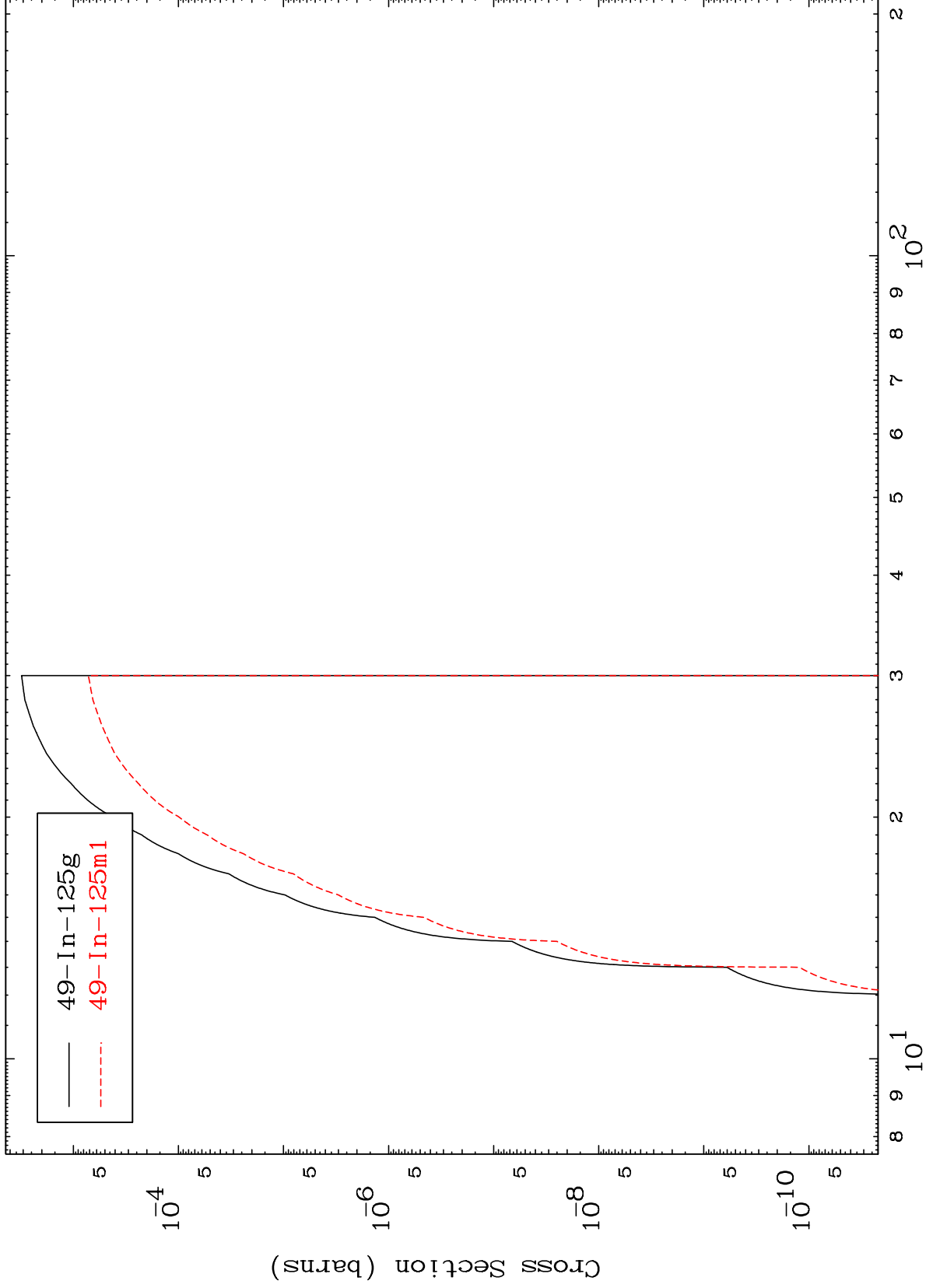
48-Cd-123

MAT 4876

(α, d)

48-Cd-123

Radionuclide Production Cross Section



24

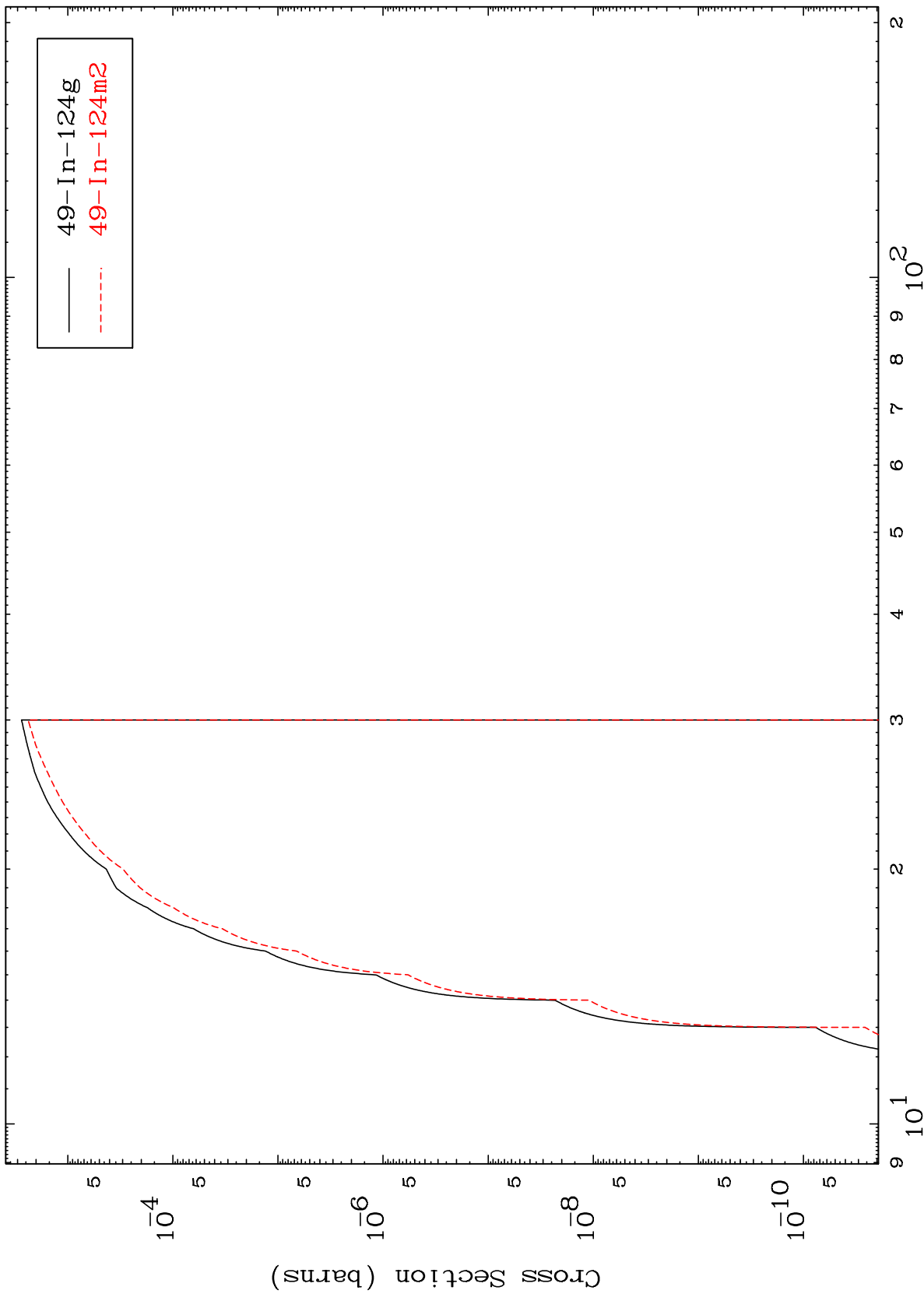
Incident Energy (MeV)

48-Cd-123

MAT 4876

48-Cd-123

(α, t)
Radionuclide Production Cross Section



48-Cd-123

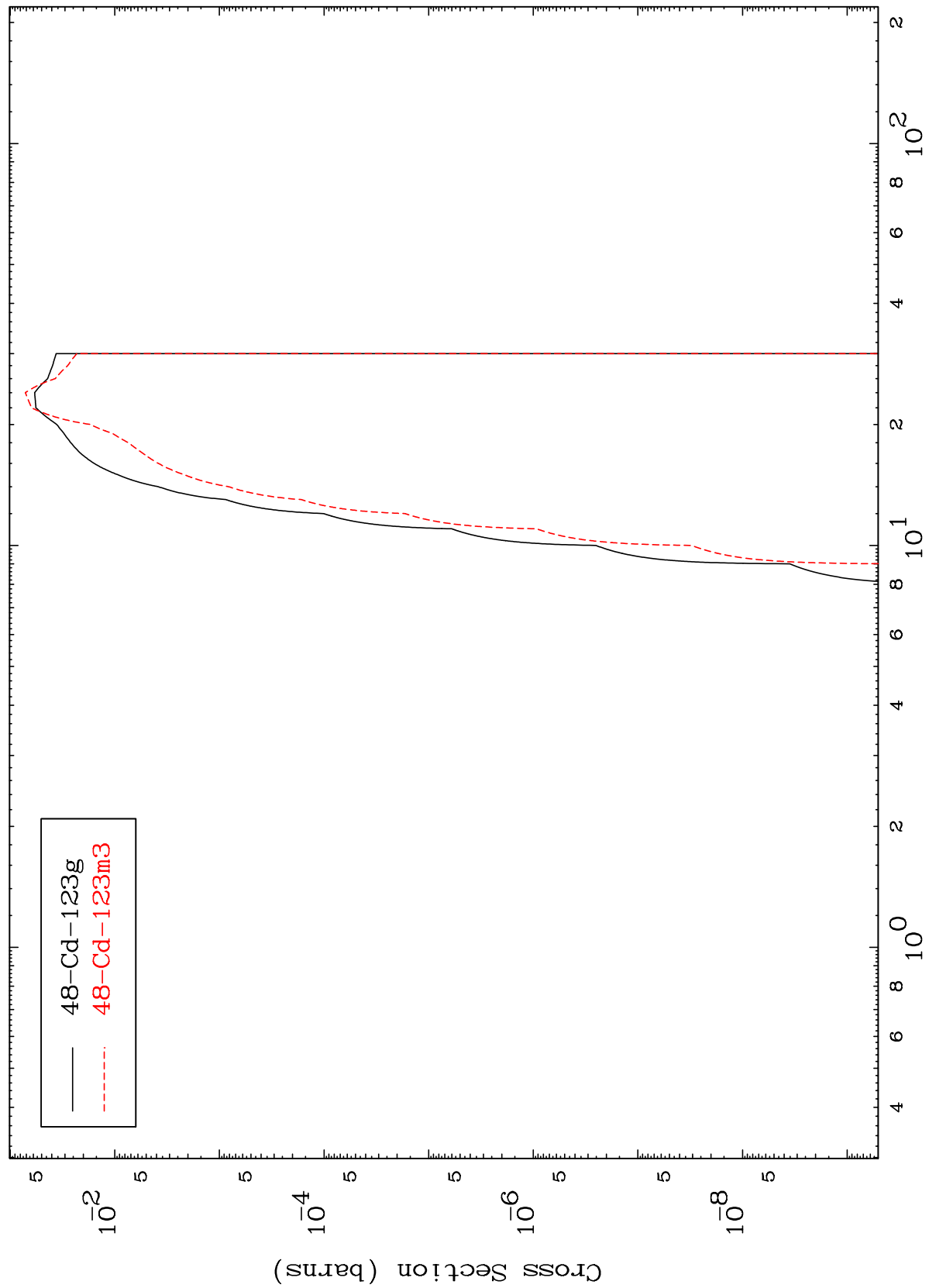
Incident Energy (MeV)

25

MAT 4876

48-Cd-123

(α, α)
Radionuclide Production Cross Section



48-Cd-123g
48-Cd-123m3

48-Cd-123

Incident Energy (MeV)

26