

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

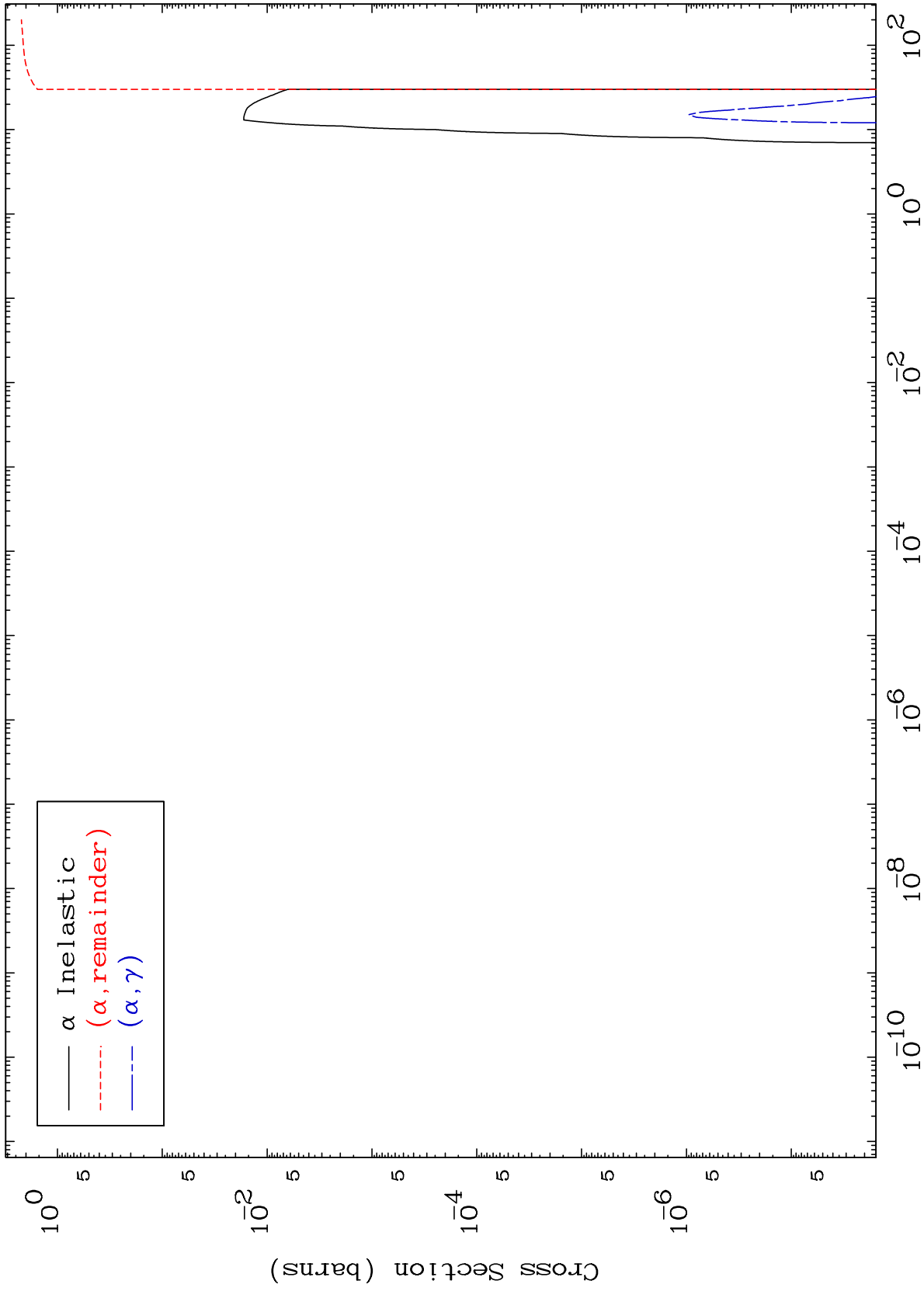
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4761

0 Kelvin α Major
Cross Sections

47-Ag-119



1

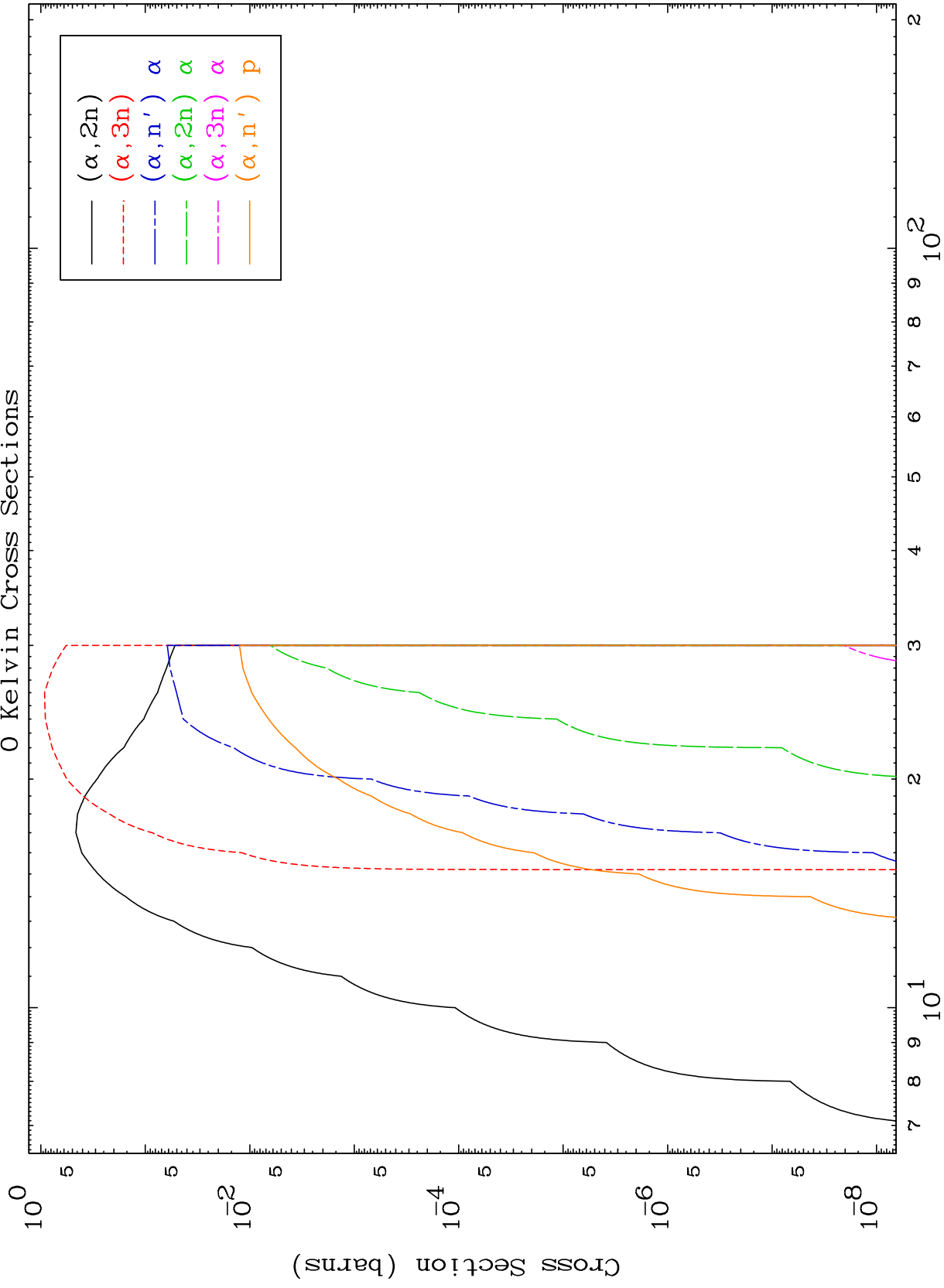
Incident Energy (MeV)

47-Ag-119

MAT 4761

α Neutron Production
0 Kelvin Cross Sections

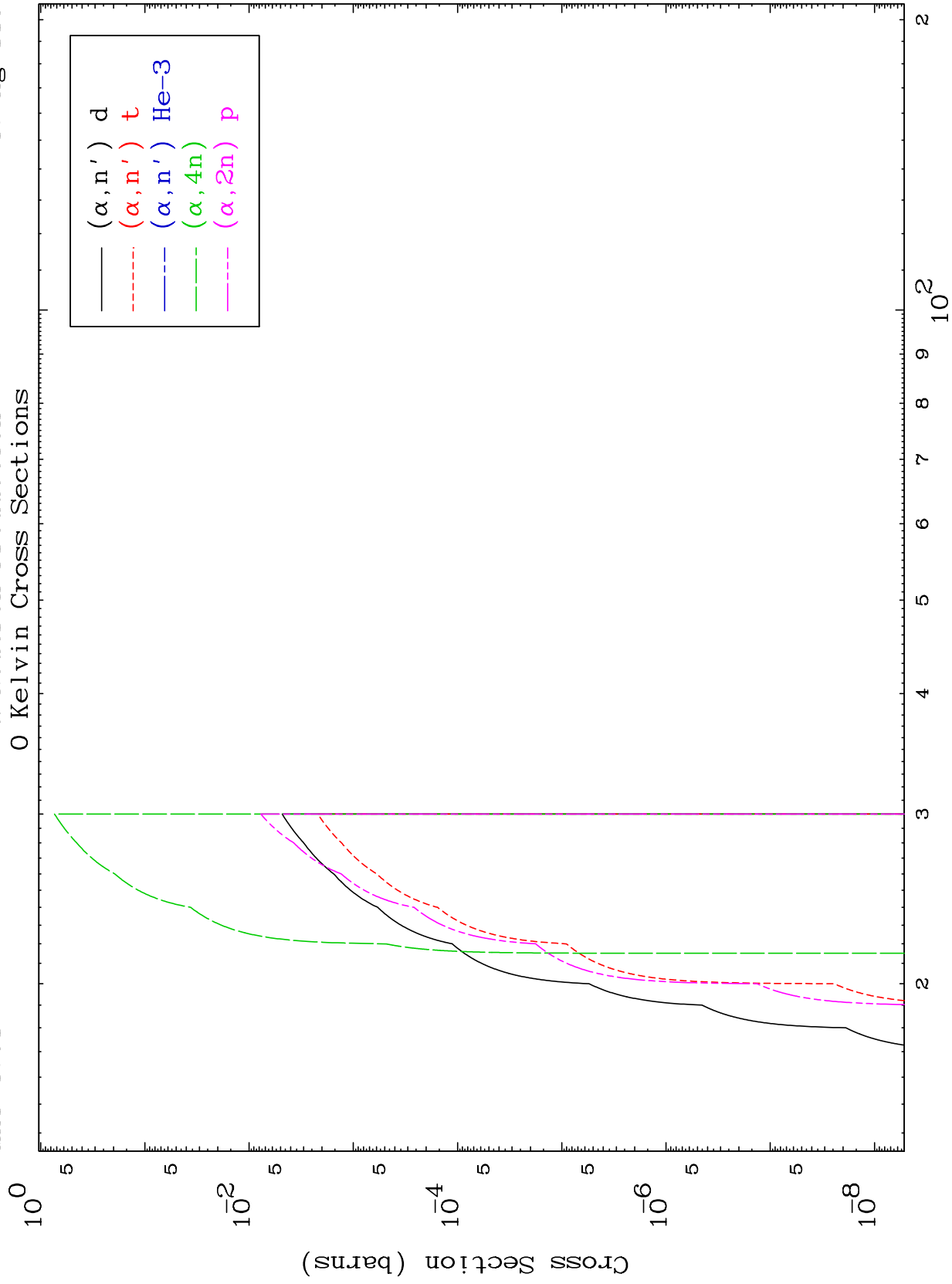
47-Ag-119

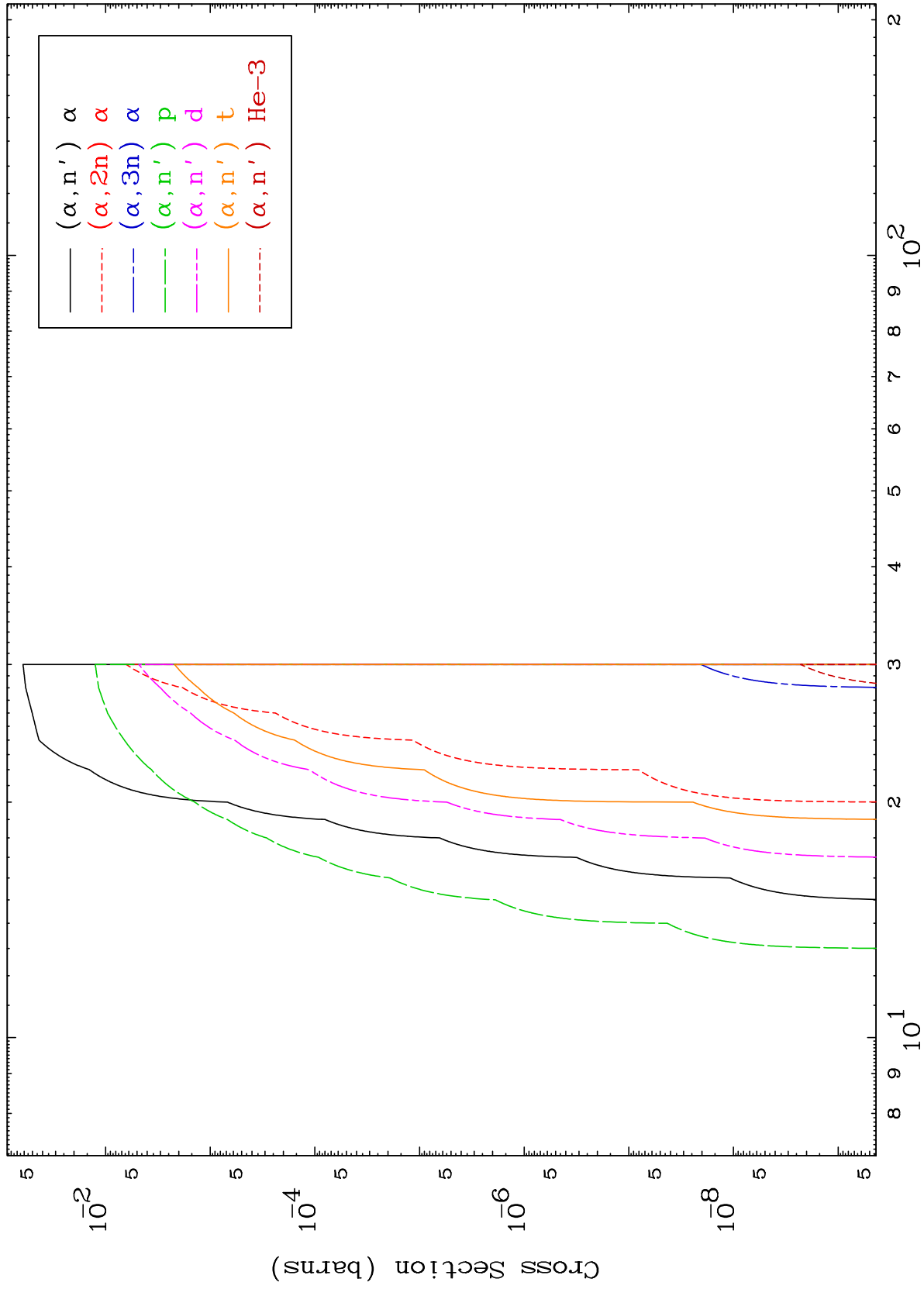


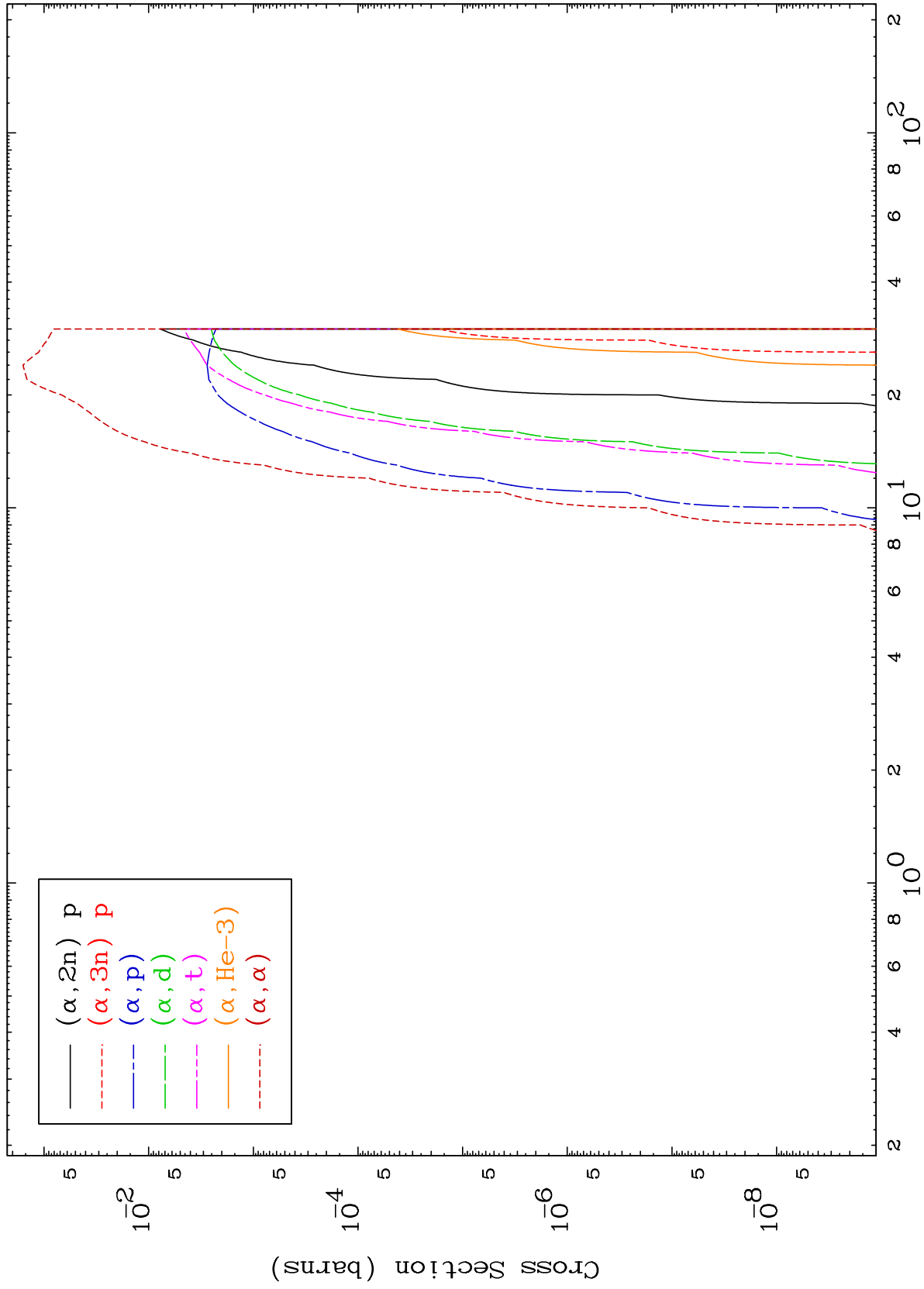
2

Incident Energy (MeV)

47-Ag-119



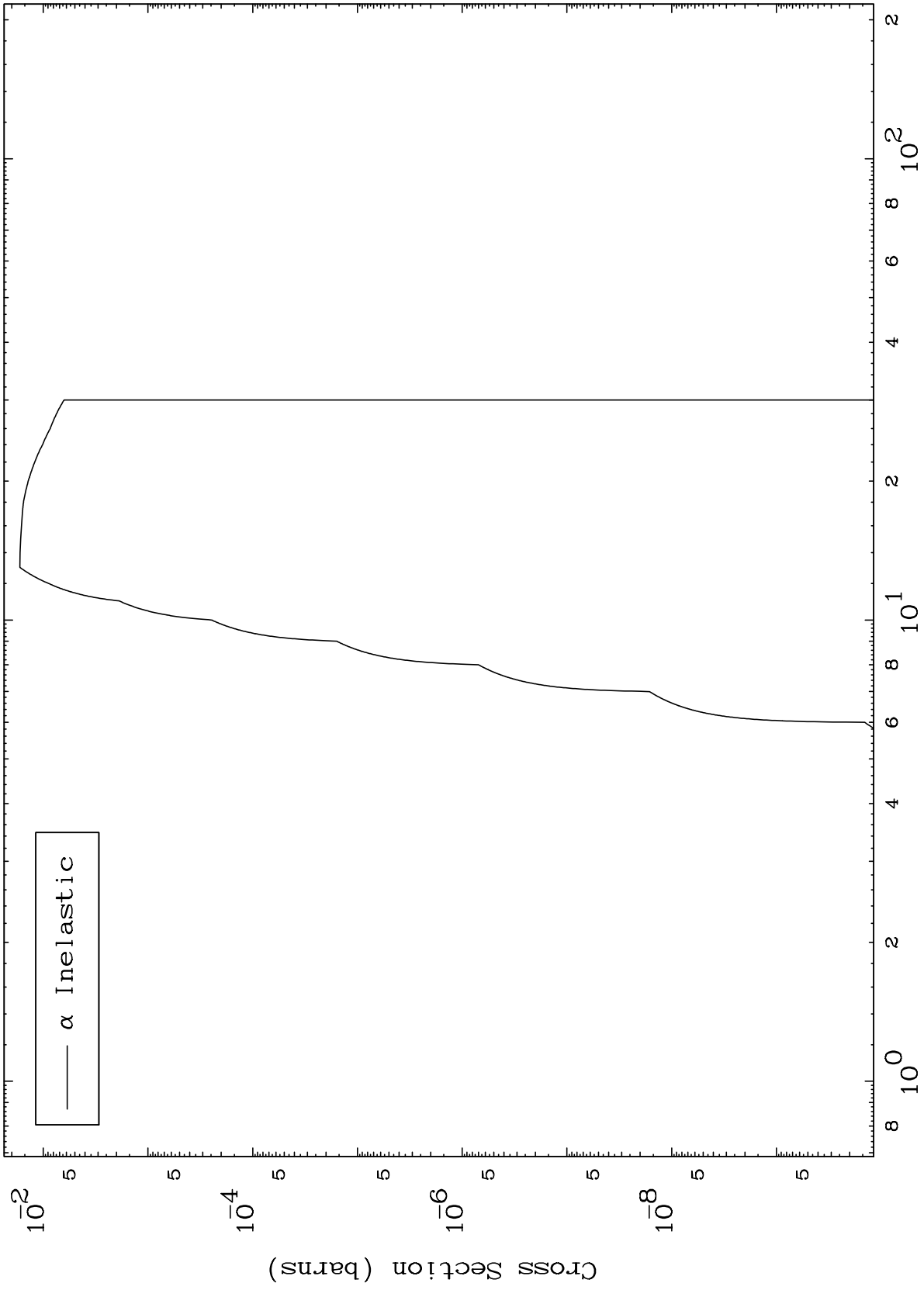




MAT 4761

(α, n') Level
0 Kelvin Cross Sections

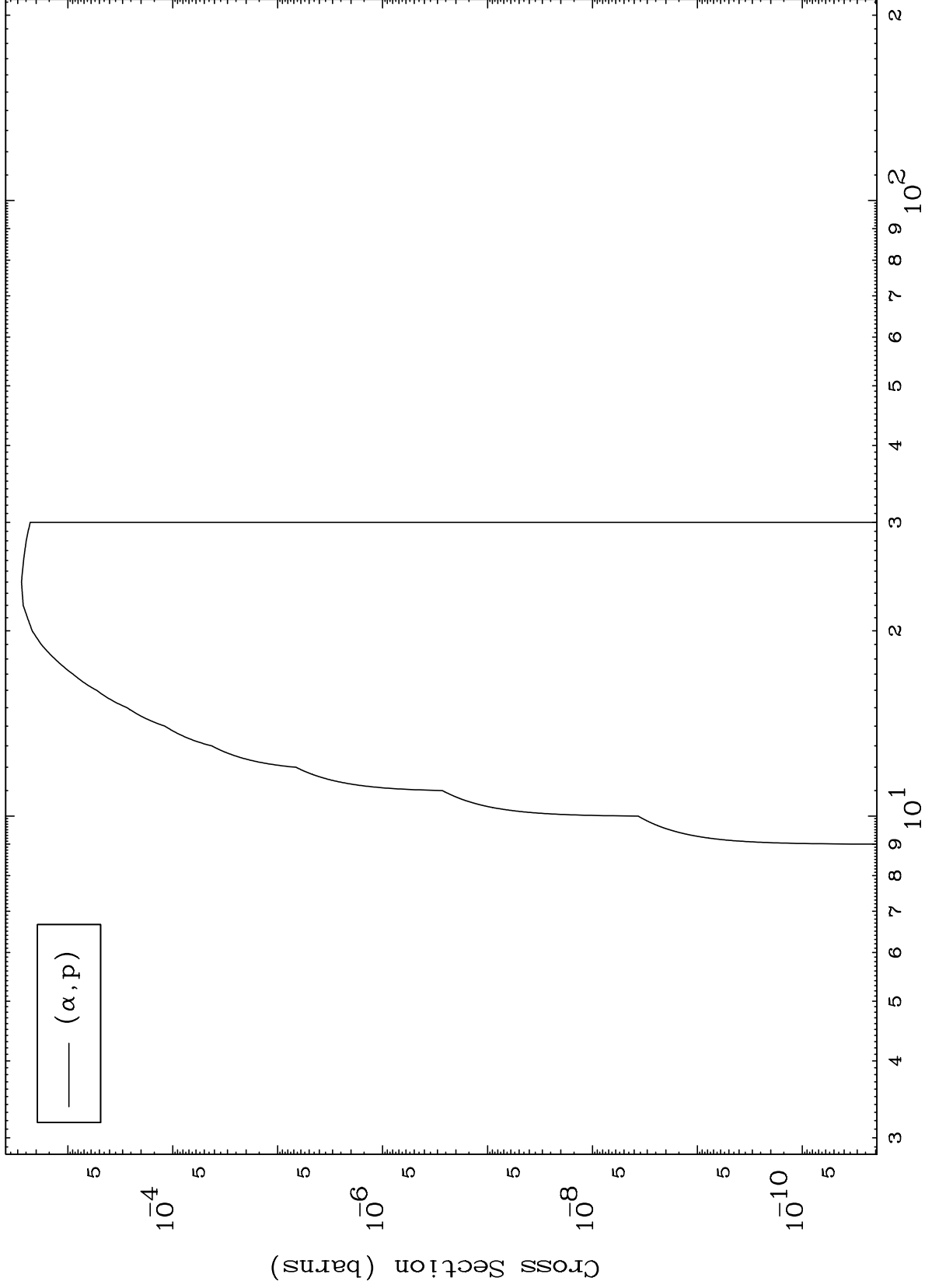
47-Ag-119



6

Incident Energy (MeV)

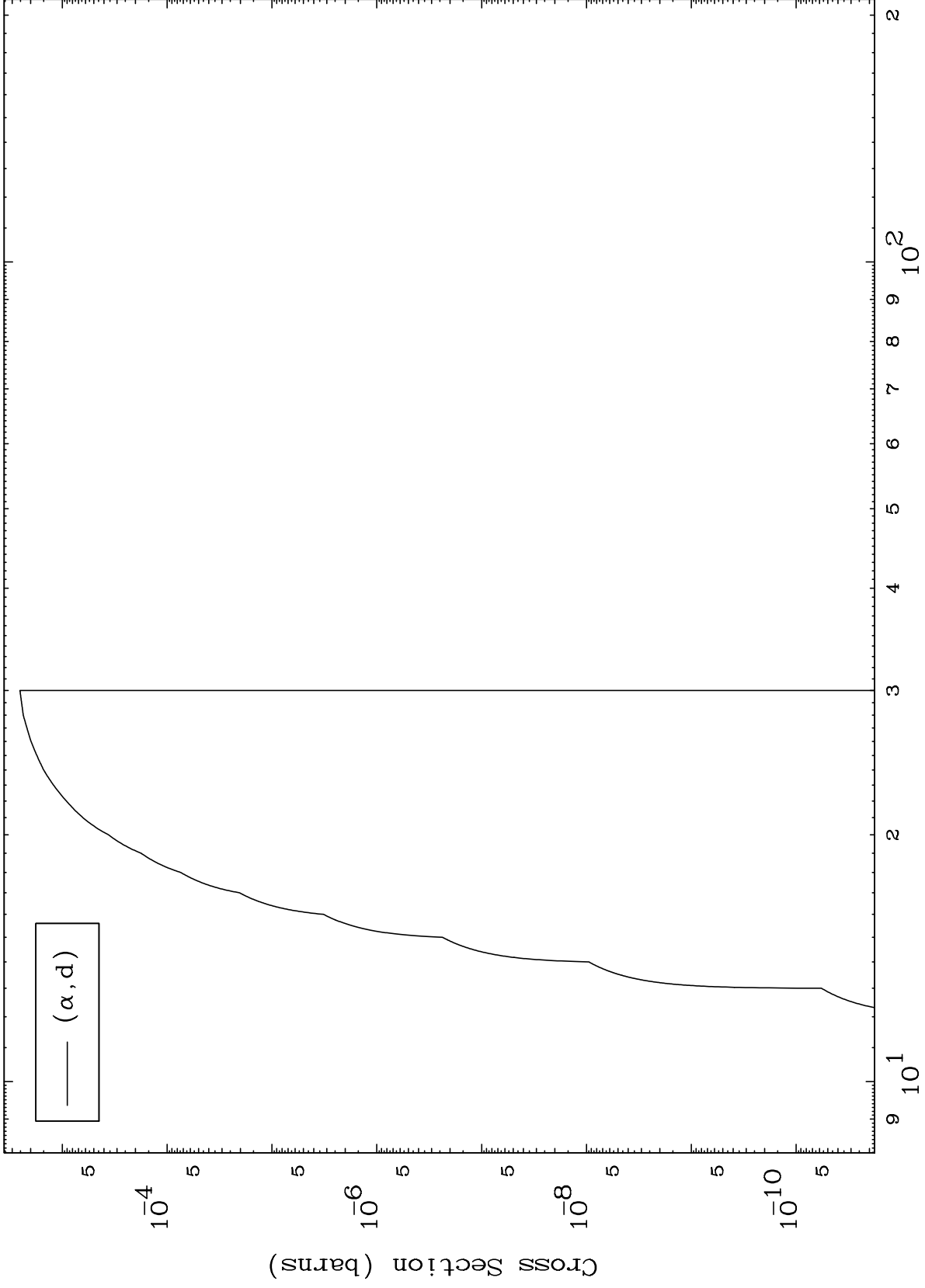
47-Ag-119



MAT 4761

(α, d) Levels
0 Kelvin Cross Sections

47-Ag-119



8

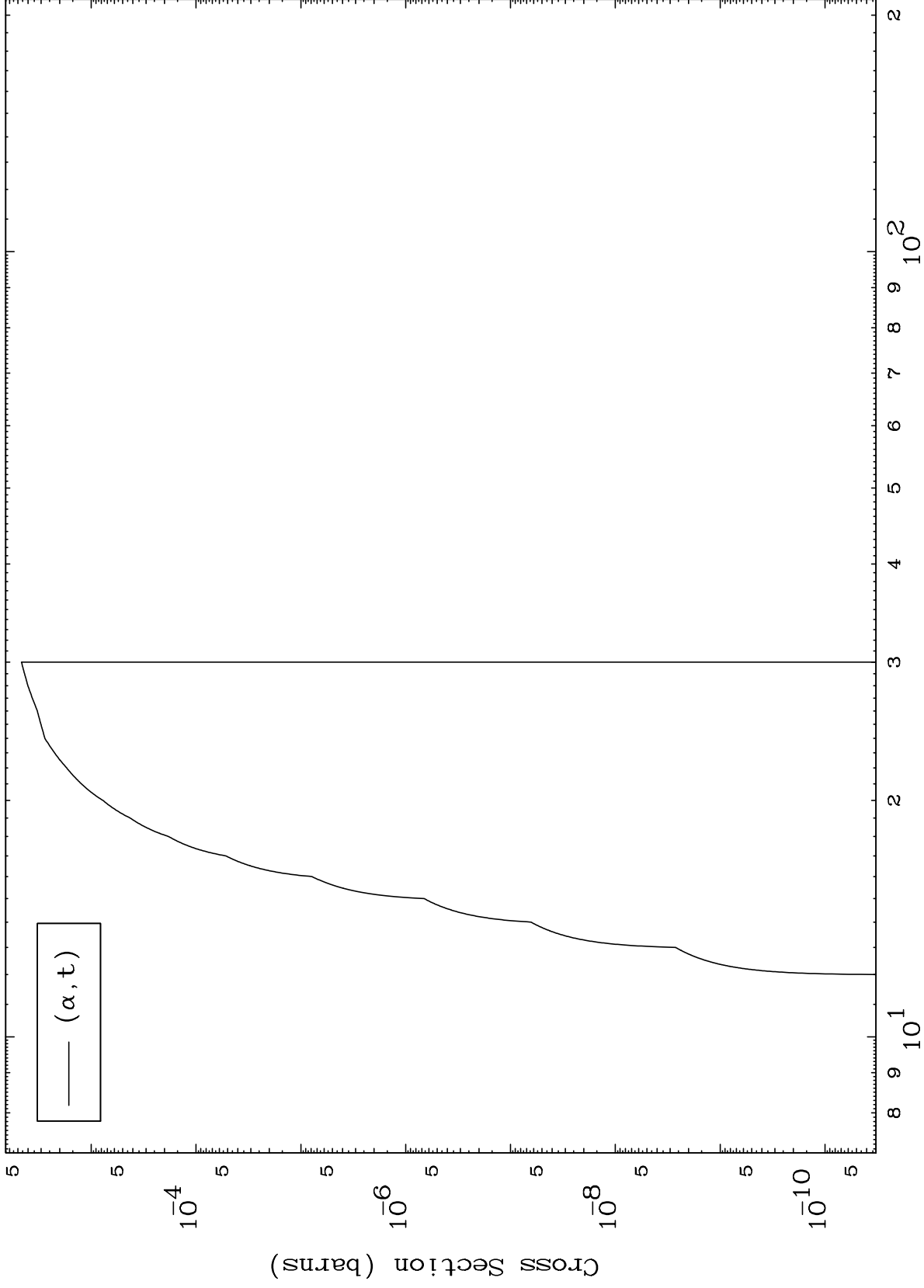
Incident Energy (MeV)

47-Ag-119

MAT 4761

(α, t) Levels
0 Kelvin Cross Sections

47-Ag-119



9

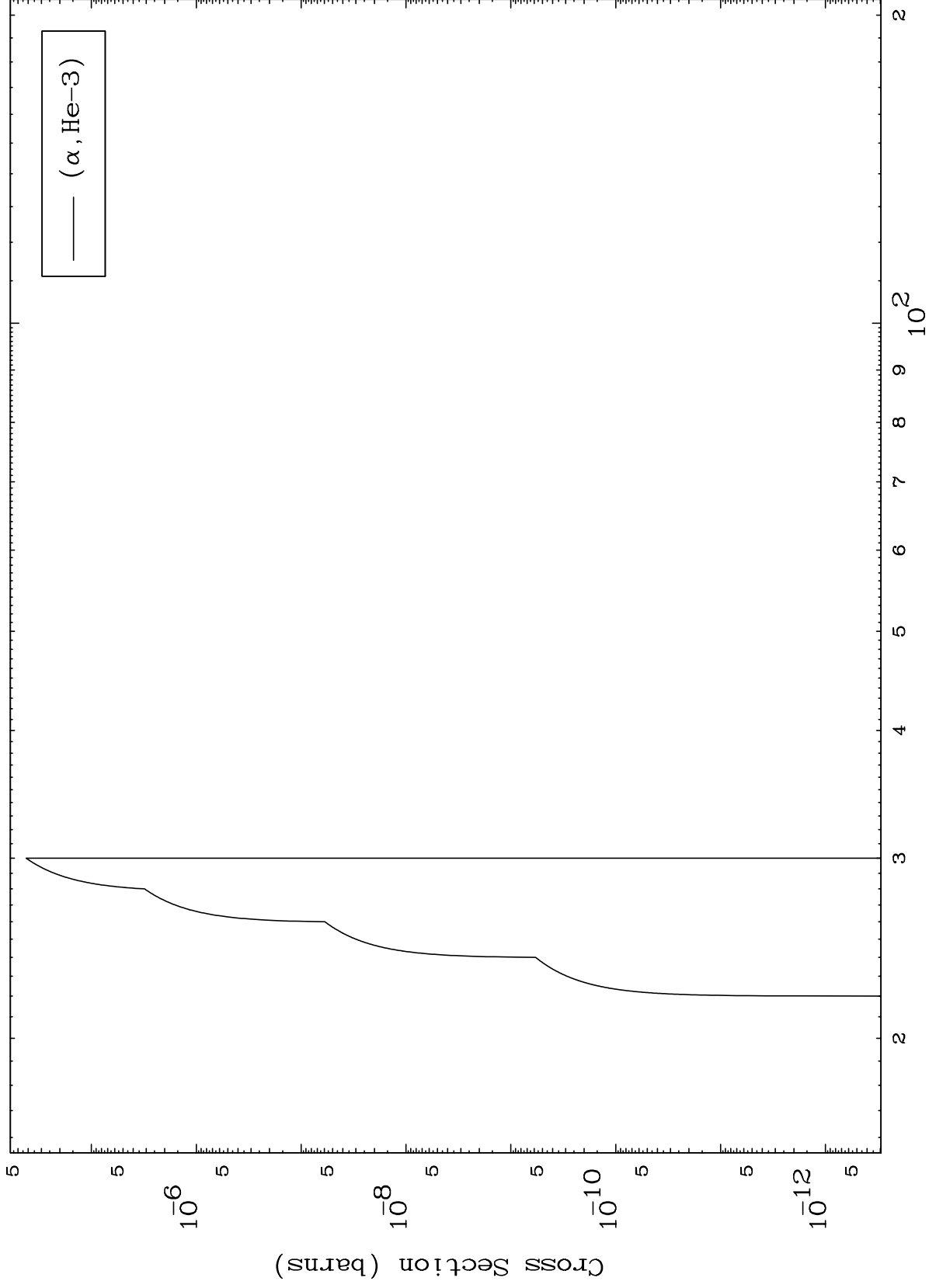
Incident Energy (MeV)

47-Ag-119

MAT 4761

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

47-Ag-119



10

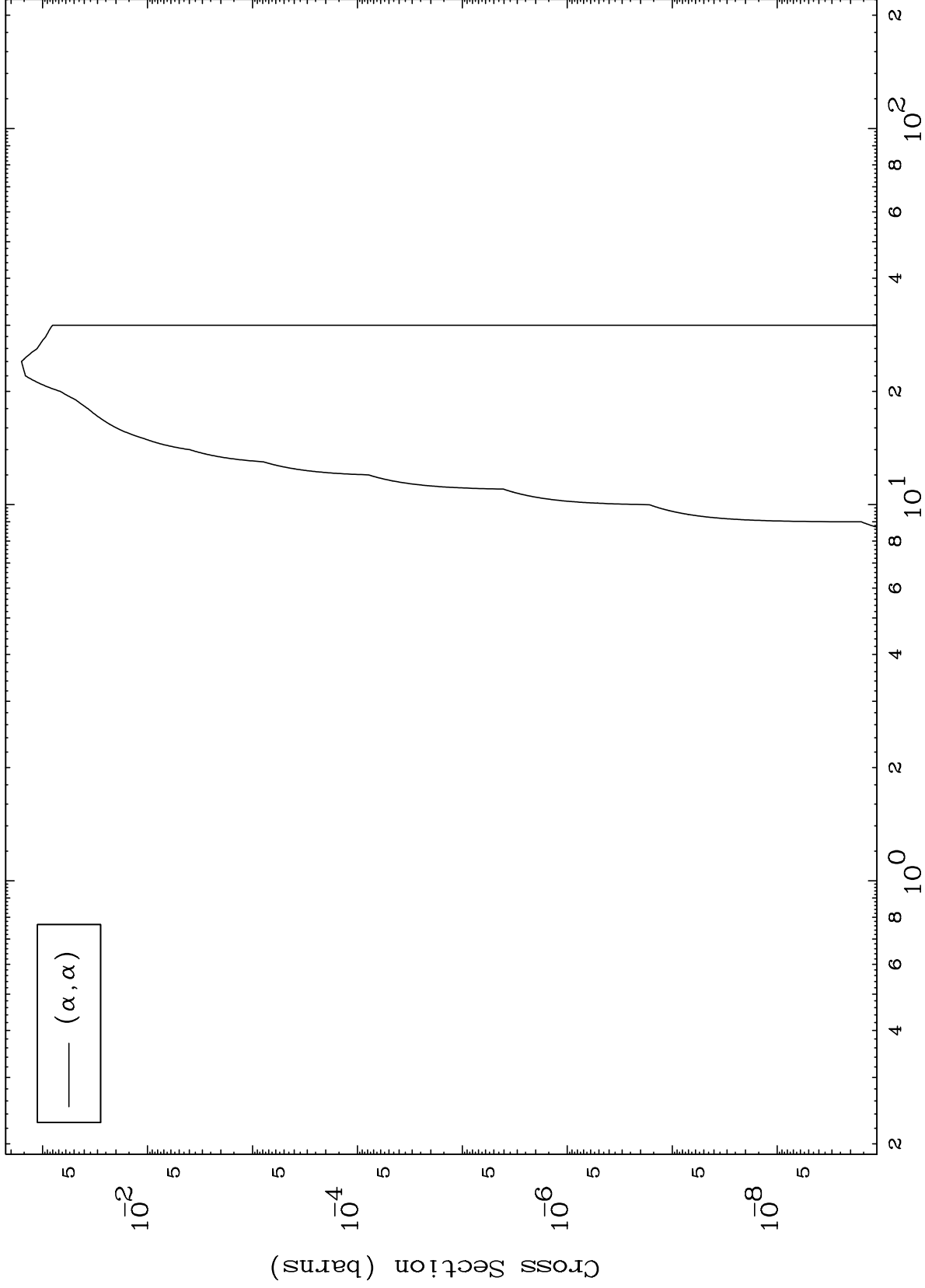
Incident Energy (MeV)

47-Ag-119

MAT 4761

(α, α) Levels
0 Kelvin Cross Sections

47-Ag-119



11

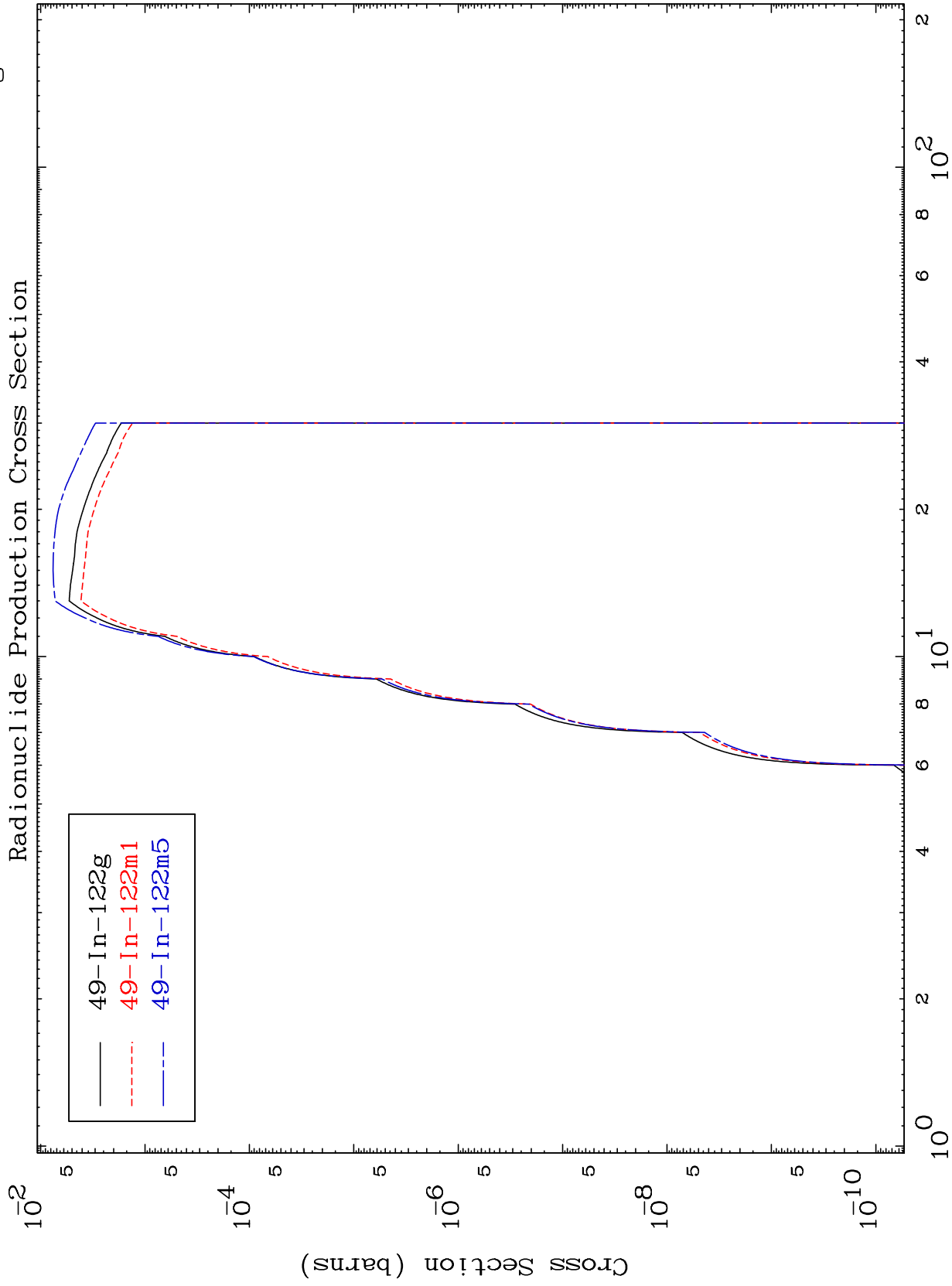
Incident Energy (MeV)

47-Ag-119

MAT 4761

47-Ag-119

Radionuclide Production Cross Section
 α Inelastic



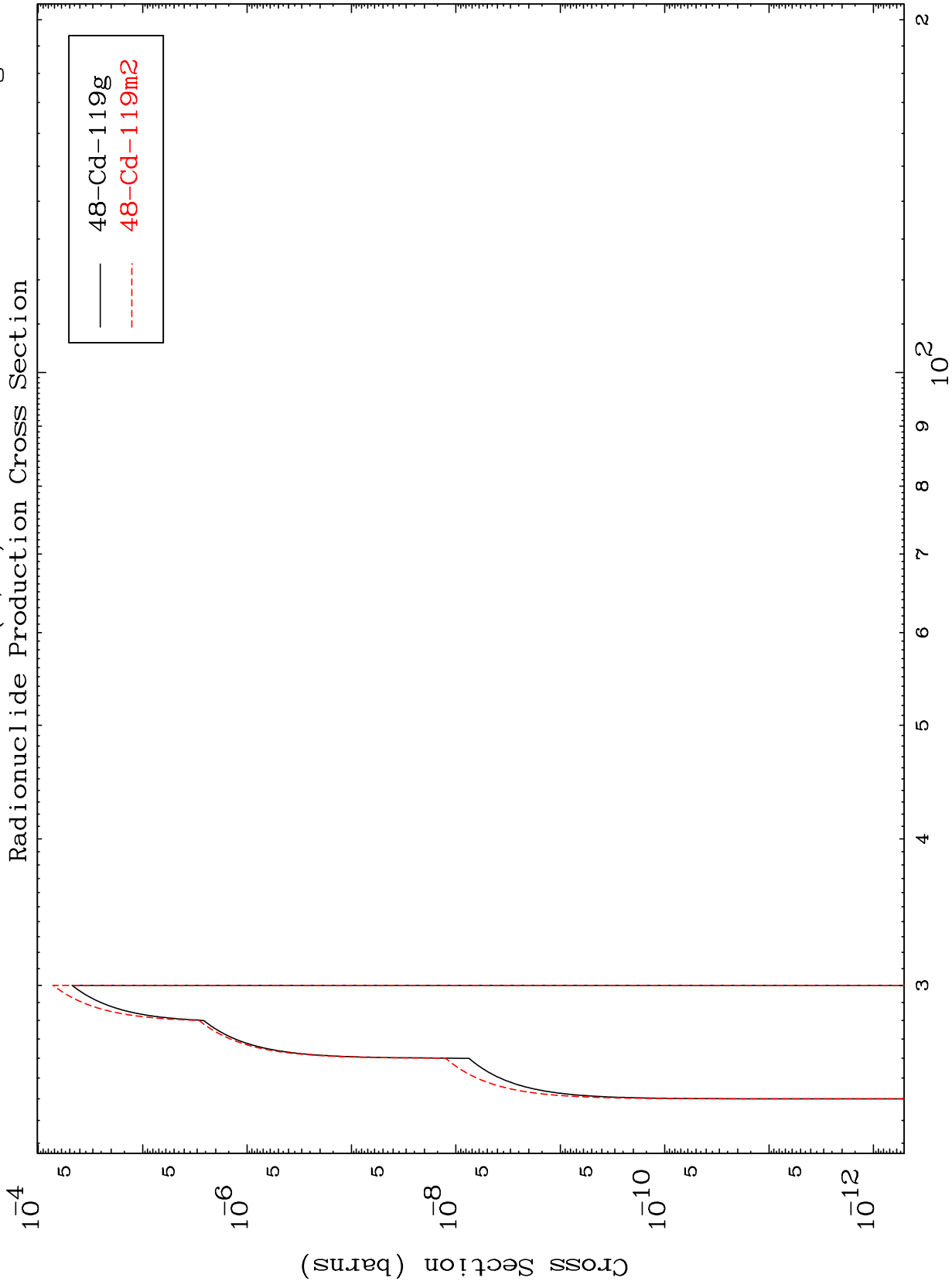
Incident Energy (MeV)

47-Ag-119

MAT 4761

($\alpha, 2n$) d

47-Ag-119



13

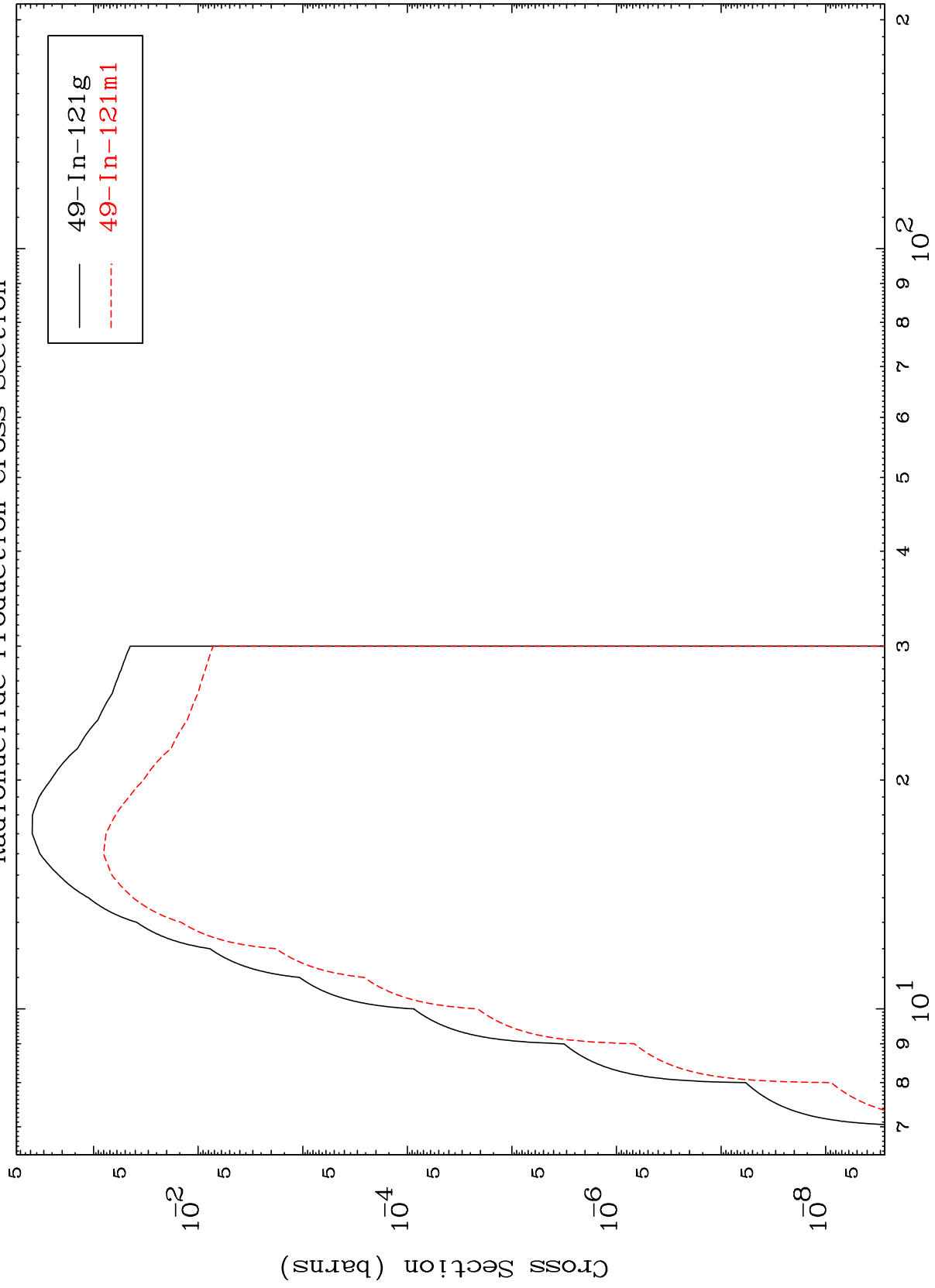
Incident Energy (MeV)

47-Ag-119

MAT 4761

47-Ag-119

$(\alpha, 2n)$
Radionuclide Production Cross Section



14

Incident Energy (MeV)

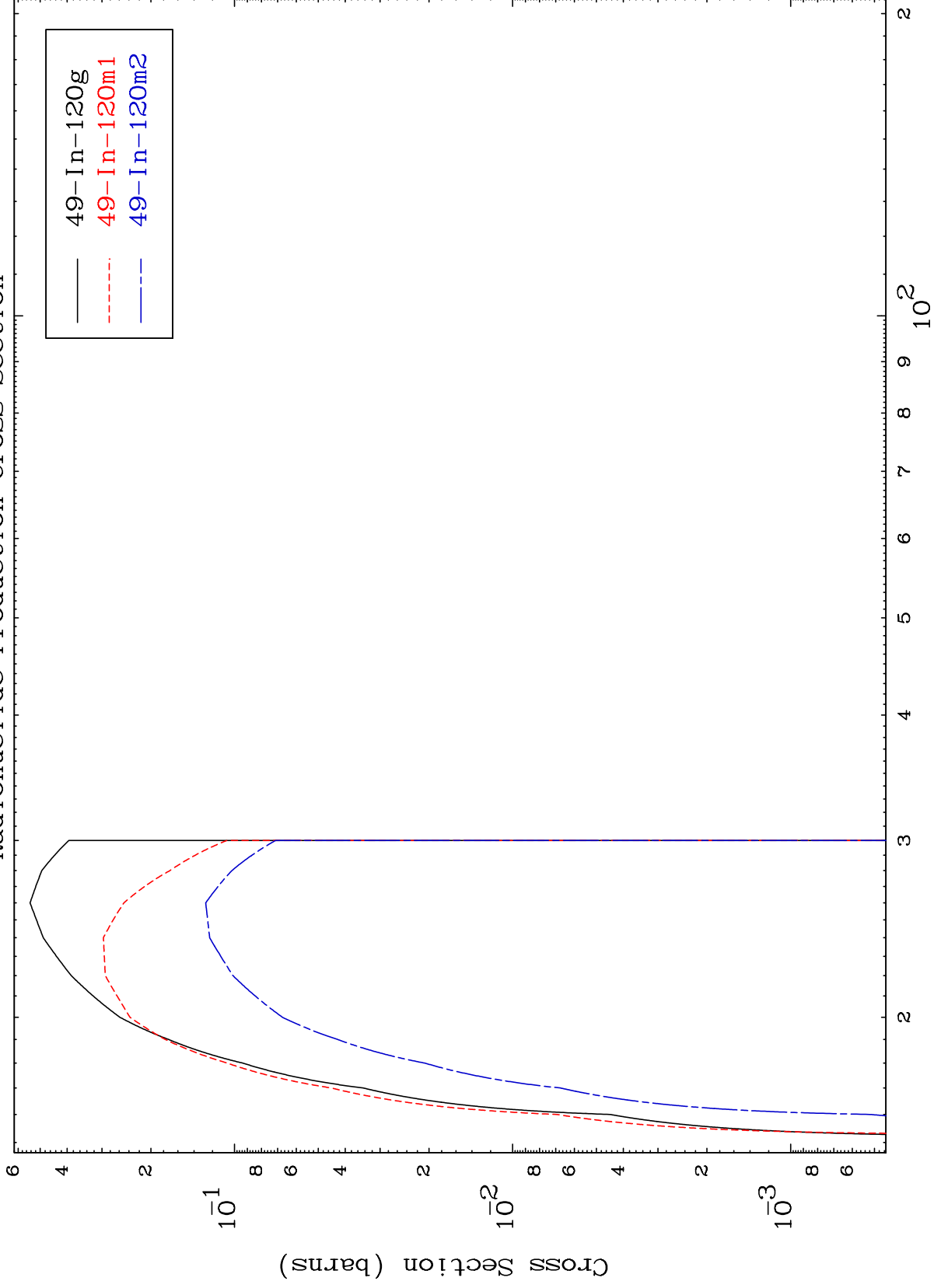
47-Ag-119

MAT 4761

($\alpha, 3n$)

47-Ag-119

Radionuclide Production Cross Section



15

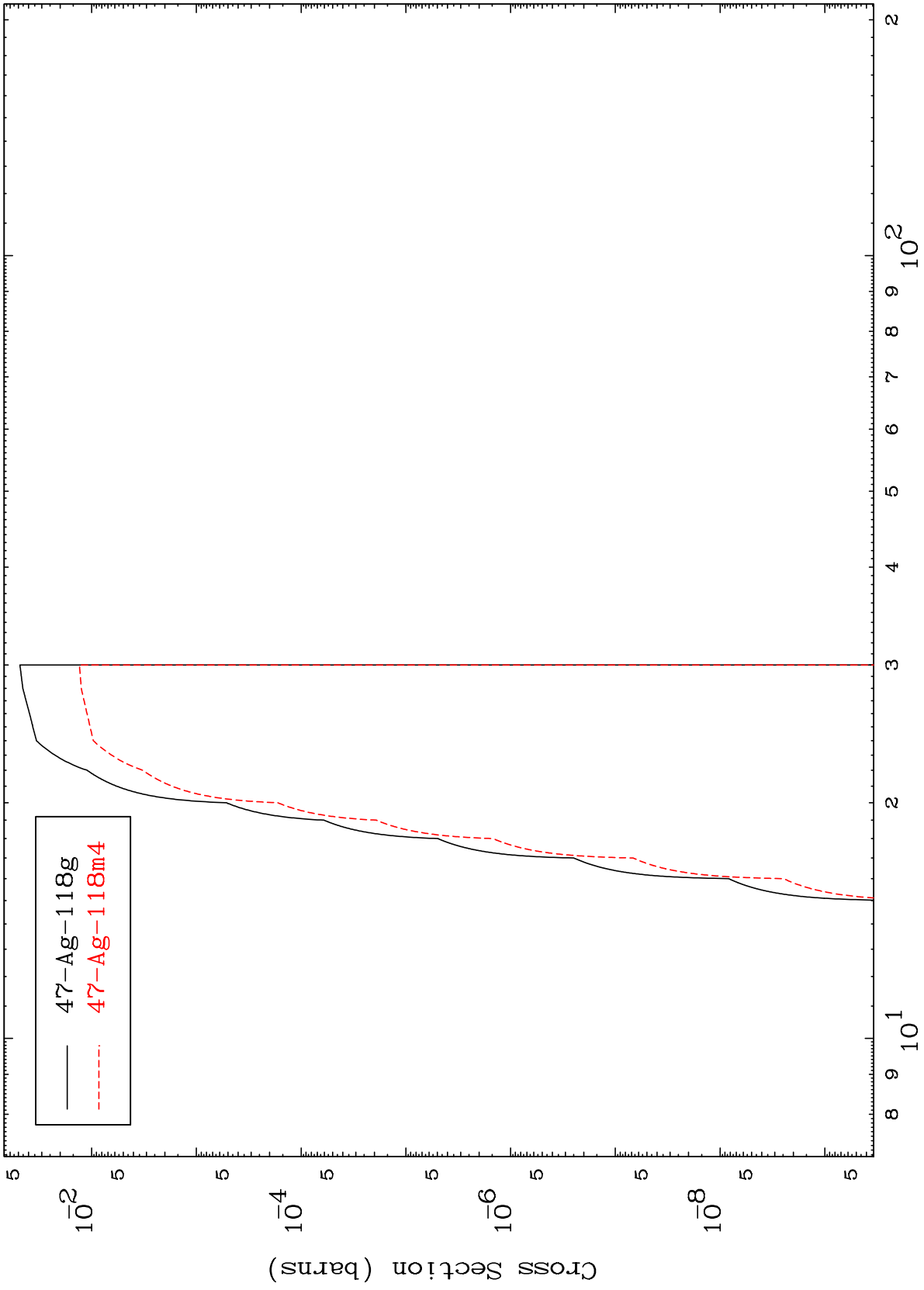
Incident Energy (MeV)

47-Ag-119

MAT 4761

47-Ag-119

(α, n') α
Radionuclide Production Cross Section



16

Incident Energy (MeV)

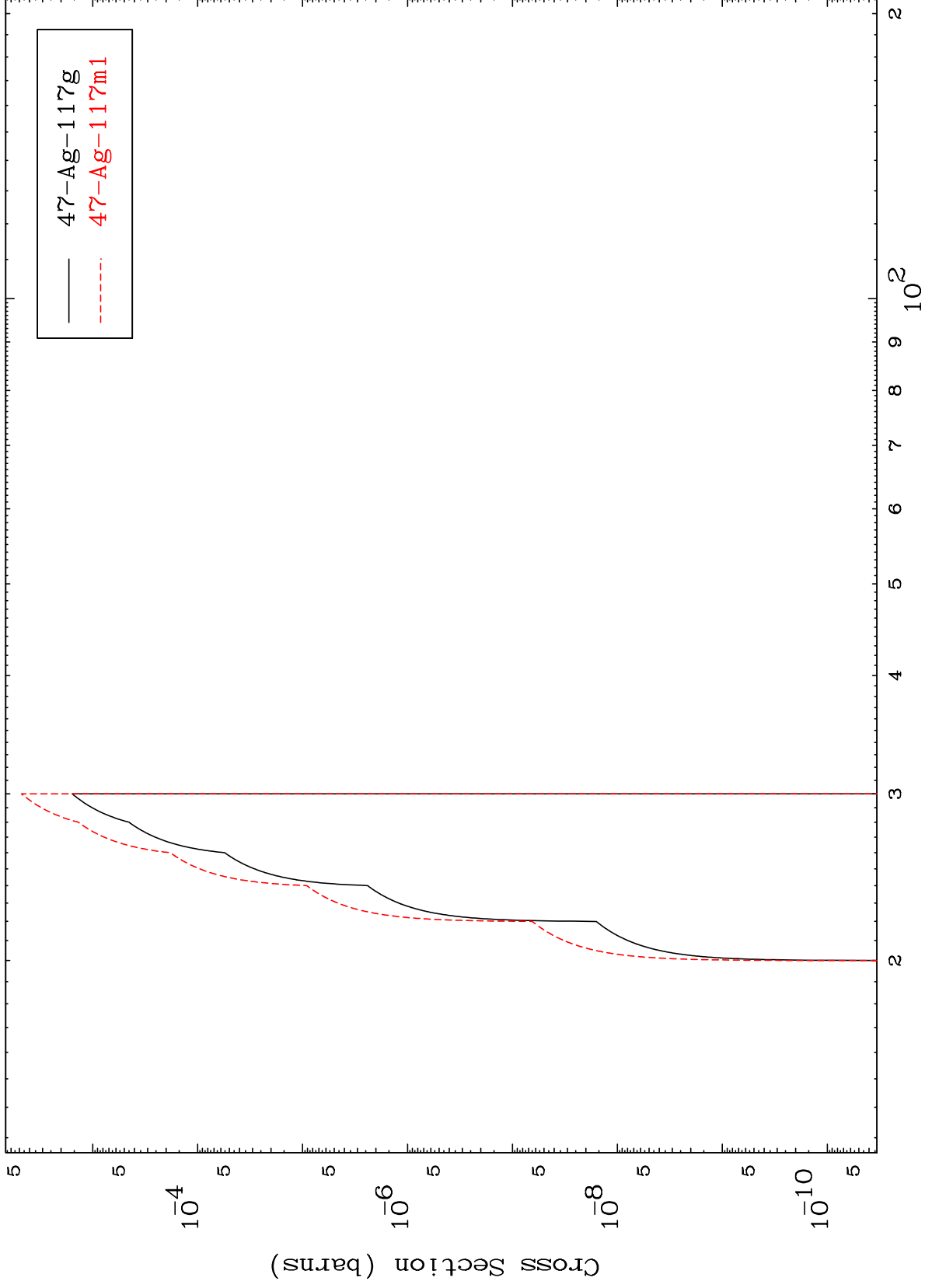
47-Ag-119

MAT 4761

$(\alpha, 2n) \alpha$

47-Ag-119

Radionuclide Production Cross Section



17

Incident Energy (MeV)

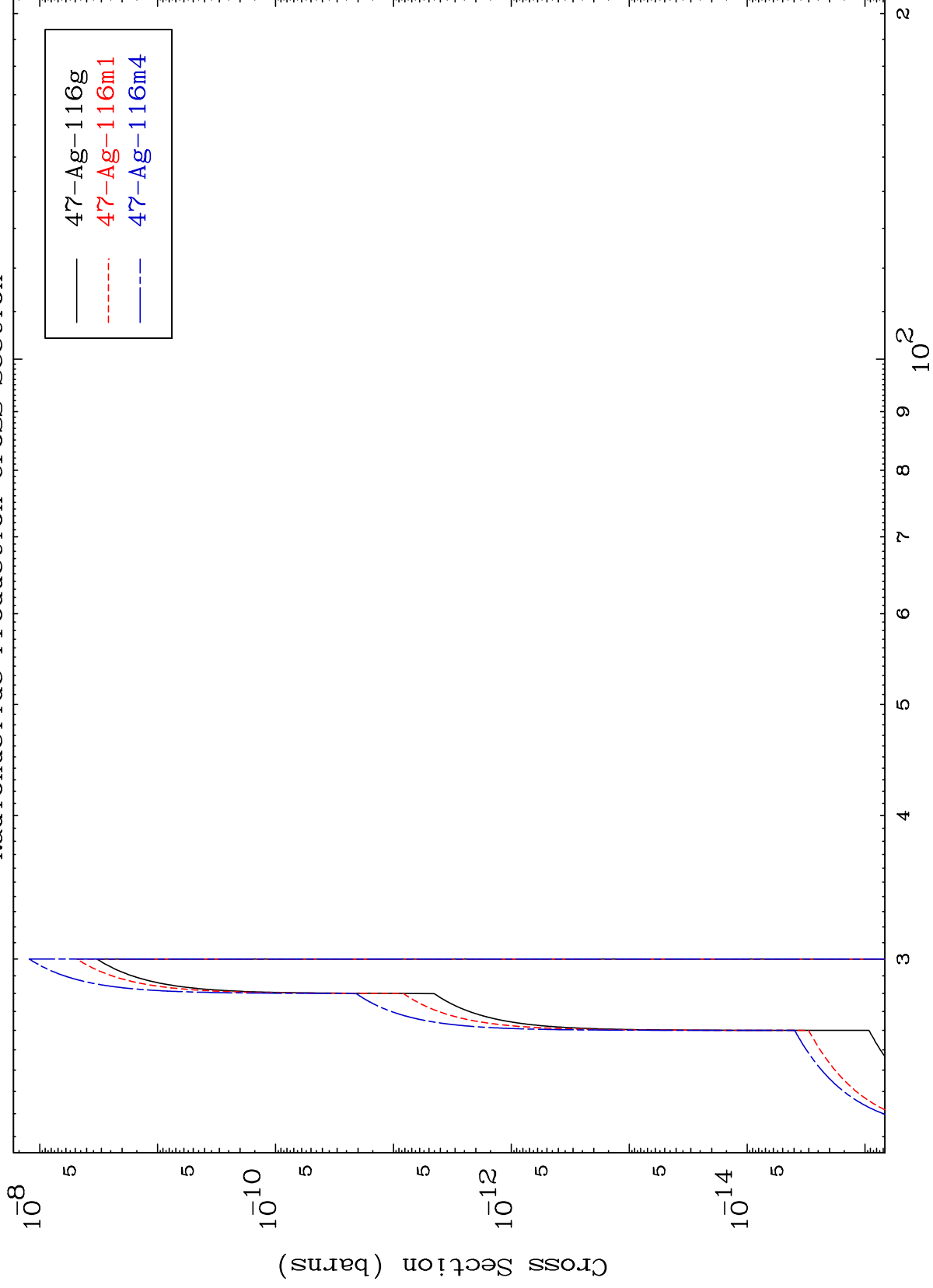
47-Ag-119

MAT 4761

$(\alpha, 3n) \alpha$

47-Ag-119

Radionuclide Production Cross Section



18

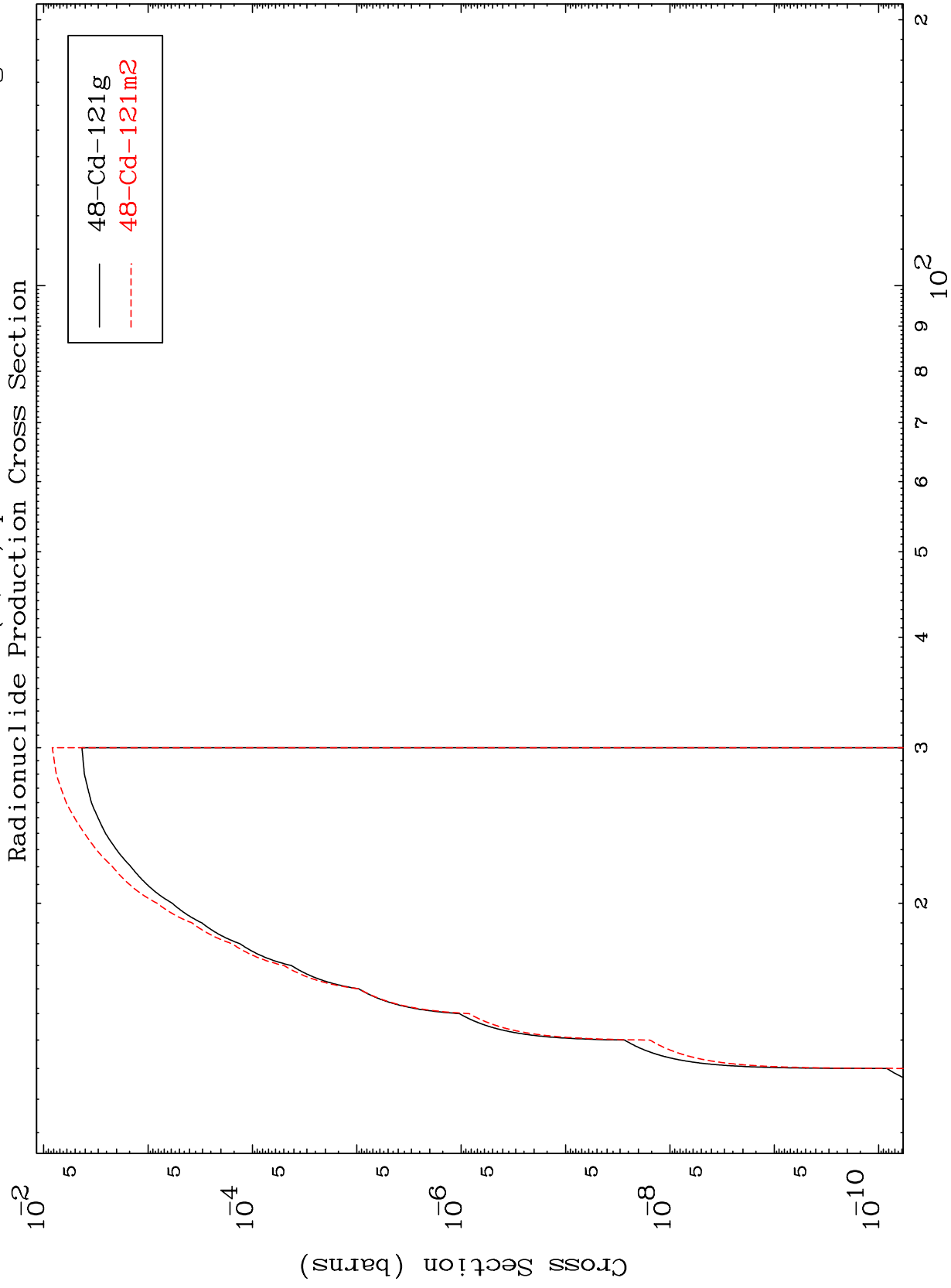
Incident Energy (MeV)

47-Ag-119

MAT 4761

(α, n') p

47-Ag-119



19

Incident Energy (MeV)

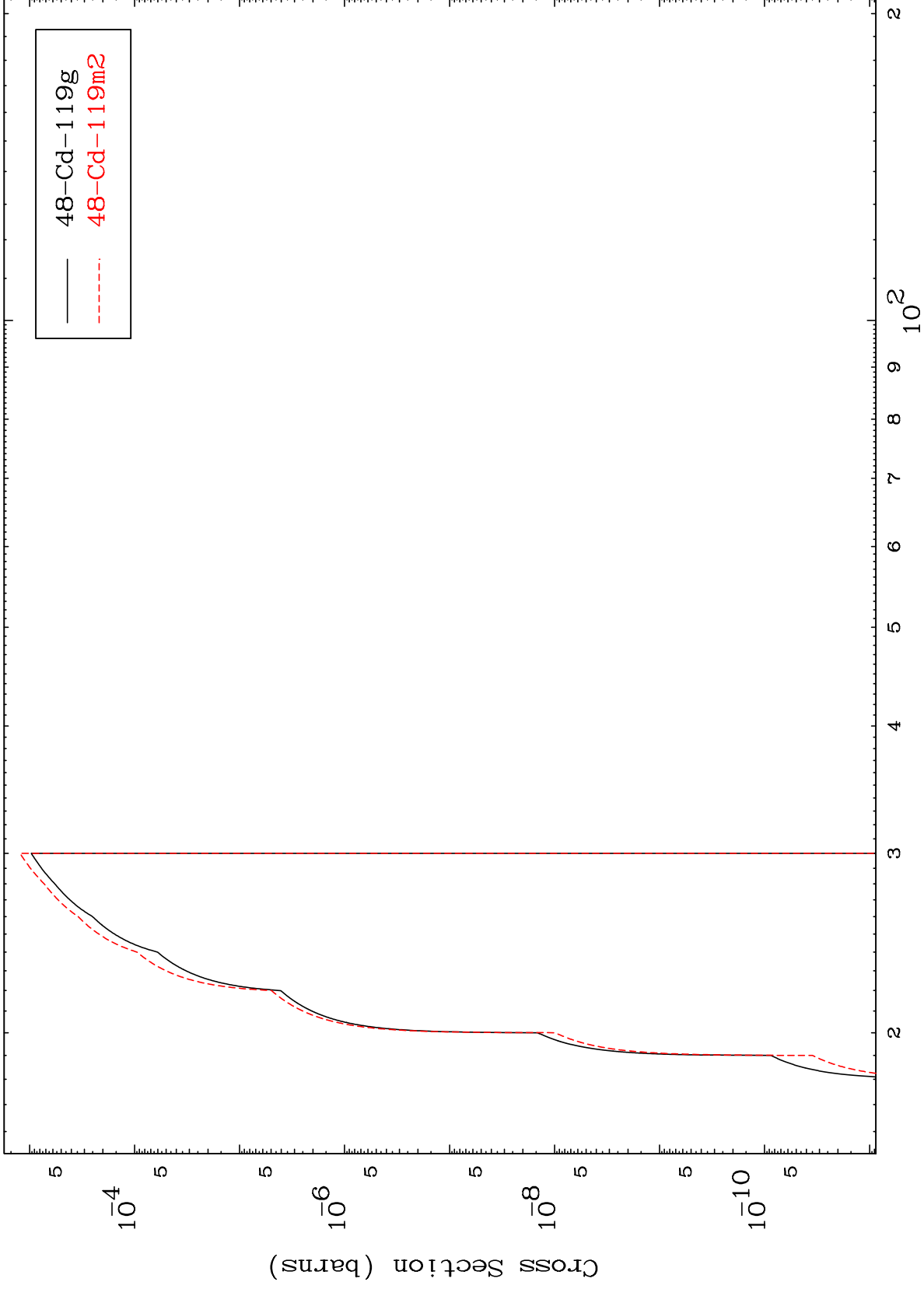
47-Ag-119

MAT 4761

(α, n') t

47-Ag-119

Radionuclide Production Cross Section



20

Incident Energy (MeV)

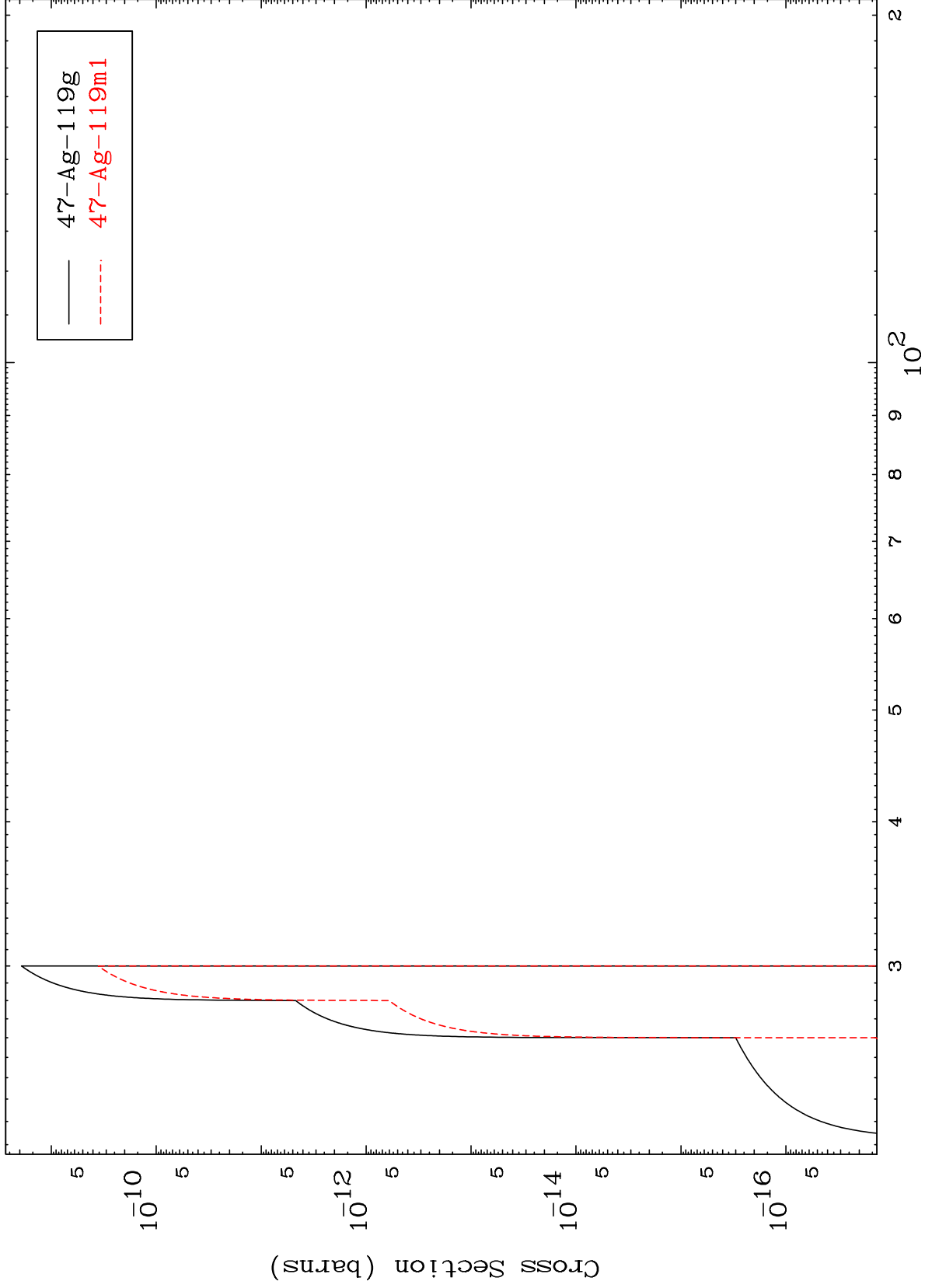
47-Ag-119

MAT 4761

(α, n') He-3

47-Ag-119

Radionuclide Production Cross Section



21

Incident Energy (MeV)

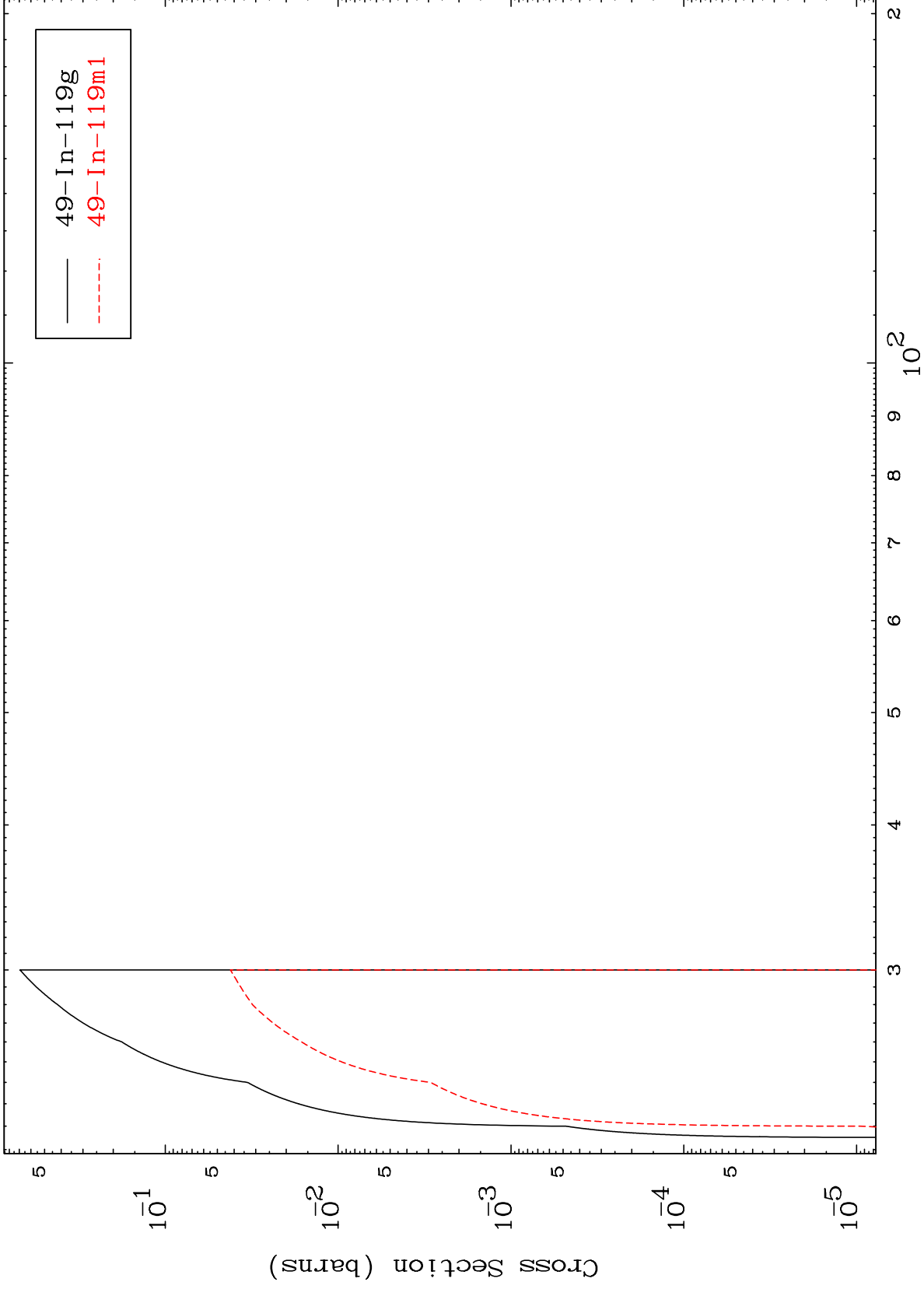
47-Ag-119

MAT 4761

($\alpha, 4n$)

47-Ag-119

Radionuclide Production Cross Section



22

Incident Energy (MeV)

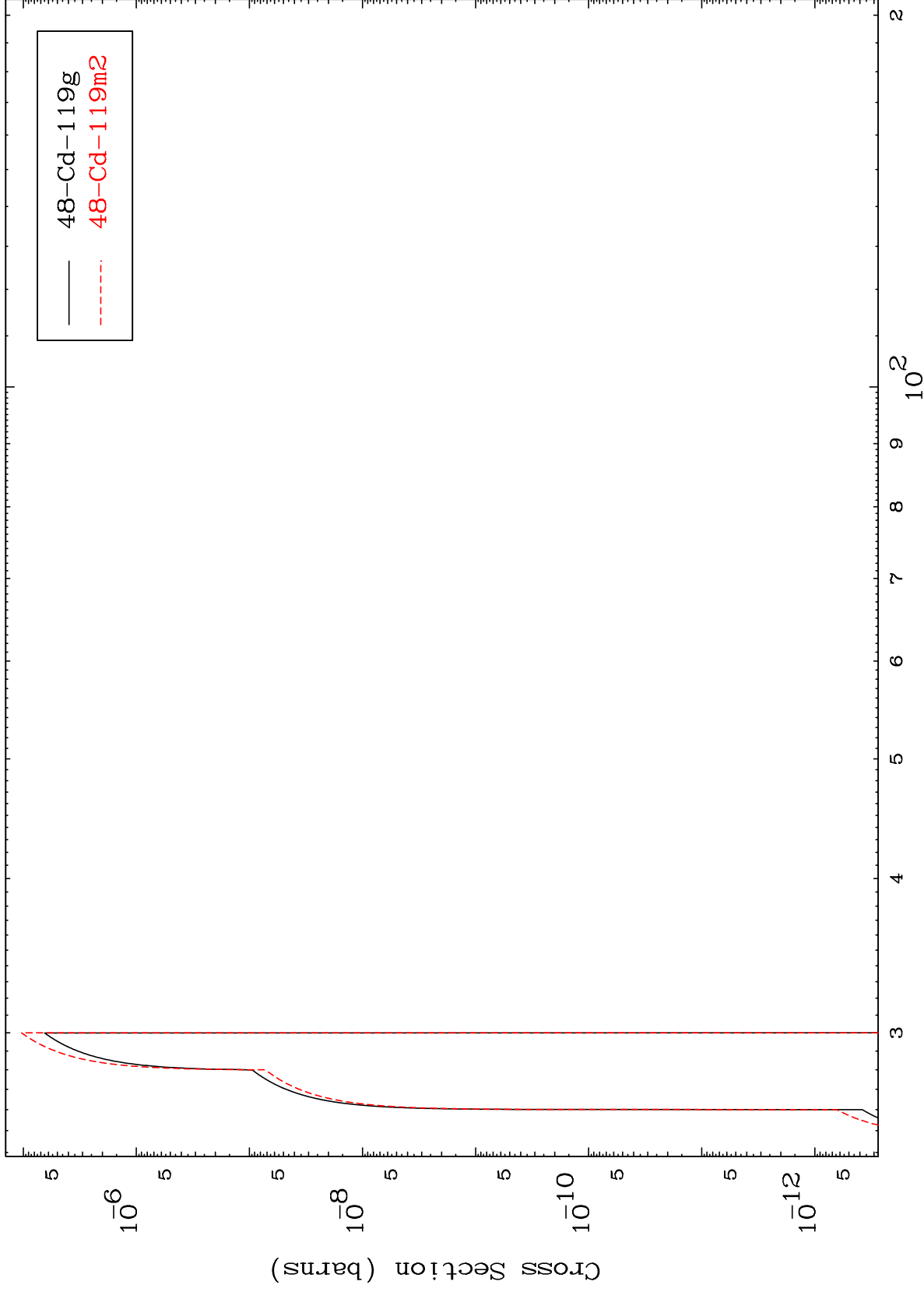
47-Ag-119

MAT 4761

($\alpha, 3n$) p

47-Ag-119

Radionuclide Production Cross Section



23

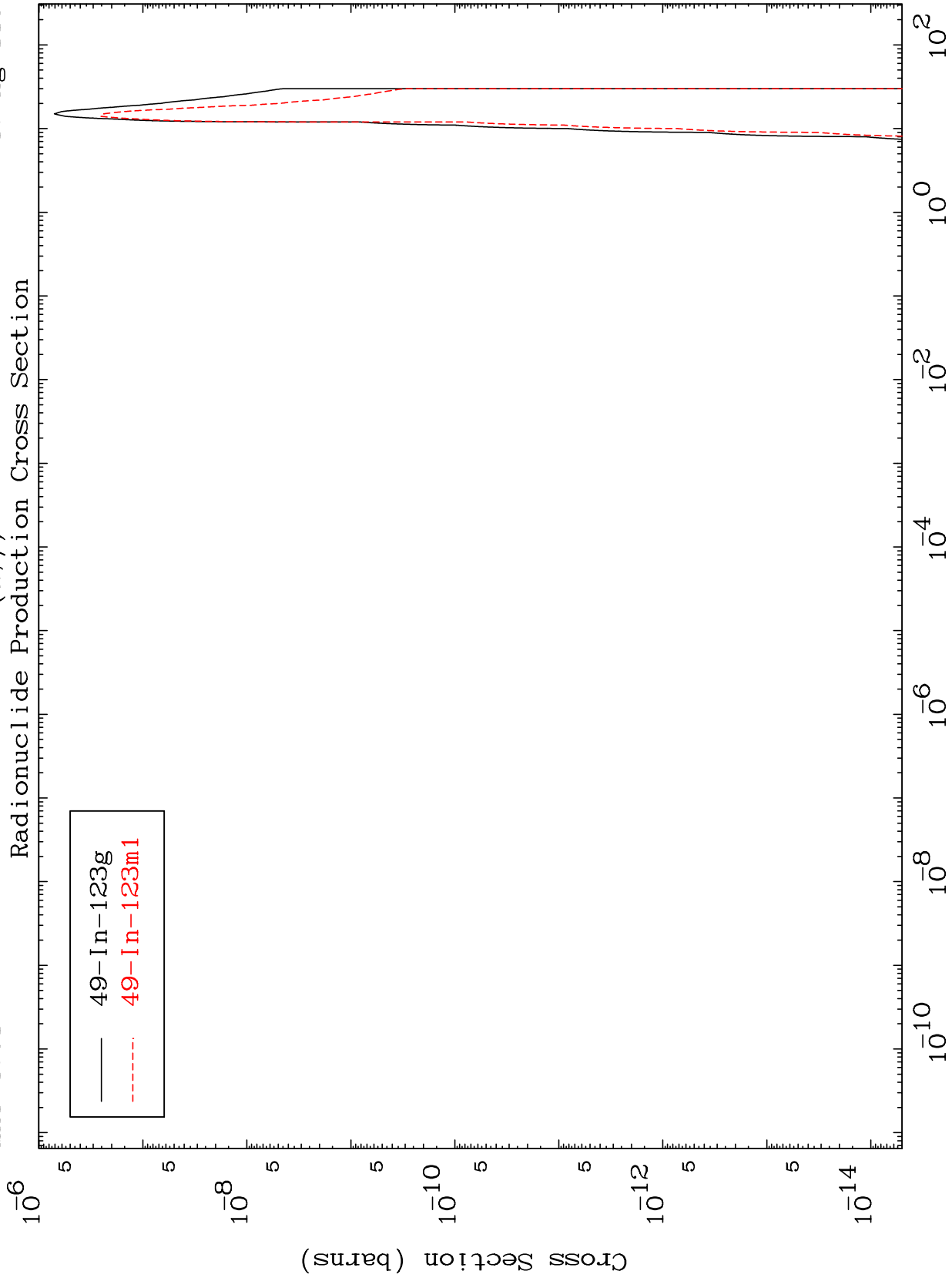
Incident Energy (MeV)

47-Ag-119

MAT 4761

Radionuclide Production Cross Section
(α, γ)

47-Ag-119



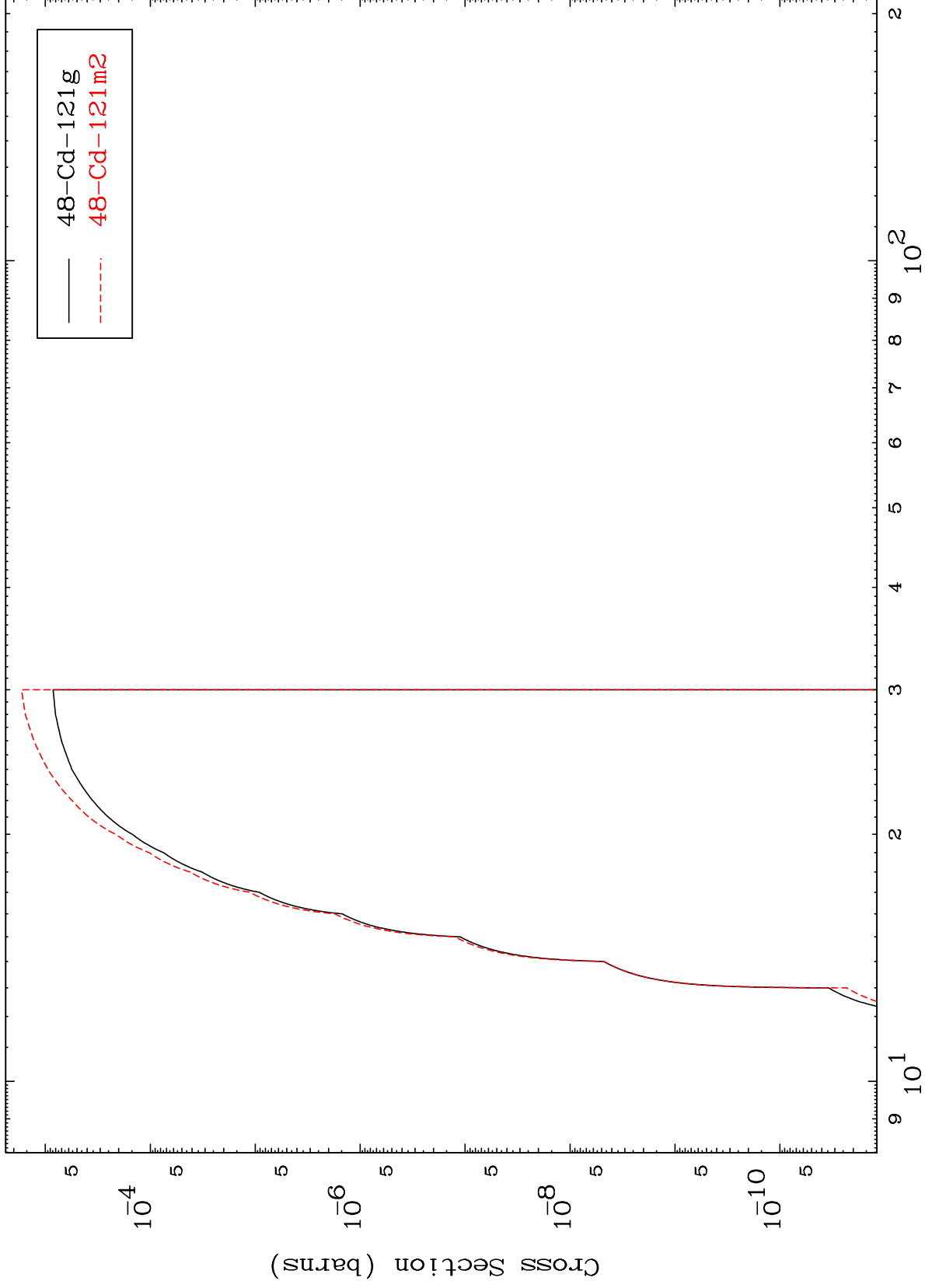
— 49-In-123g
- - - 49-In-123m1

MAT 4761

(α, d)

47-Ag-119

Radionuclide Production Cross Section



25

Incident Energy (MeV)

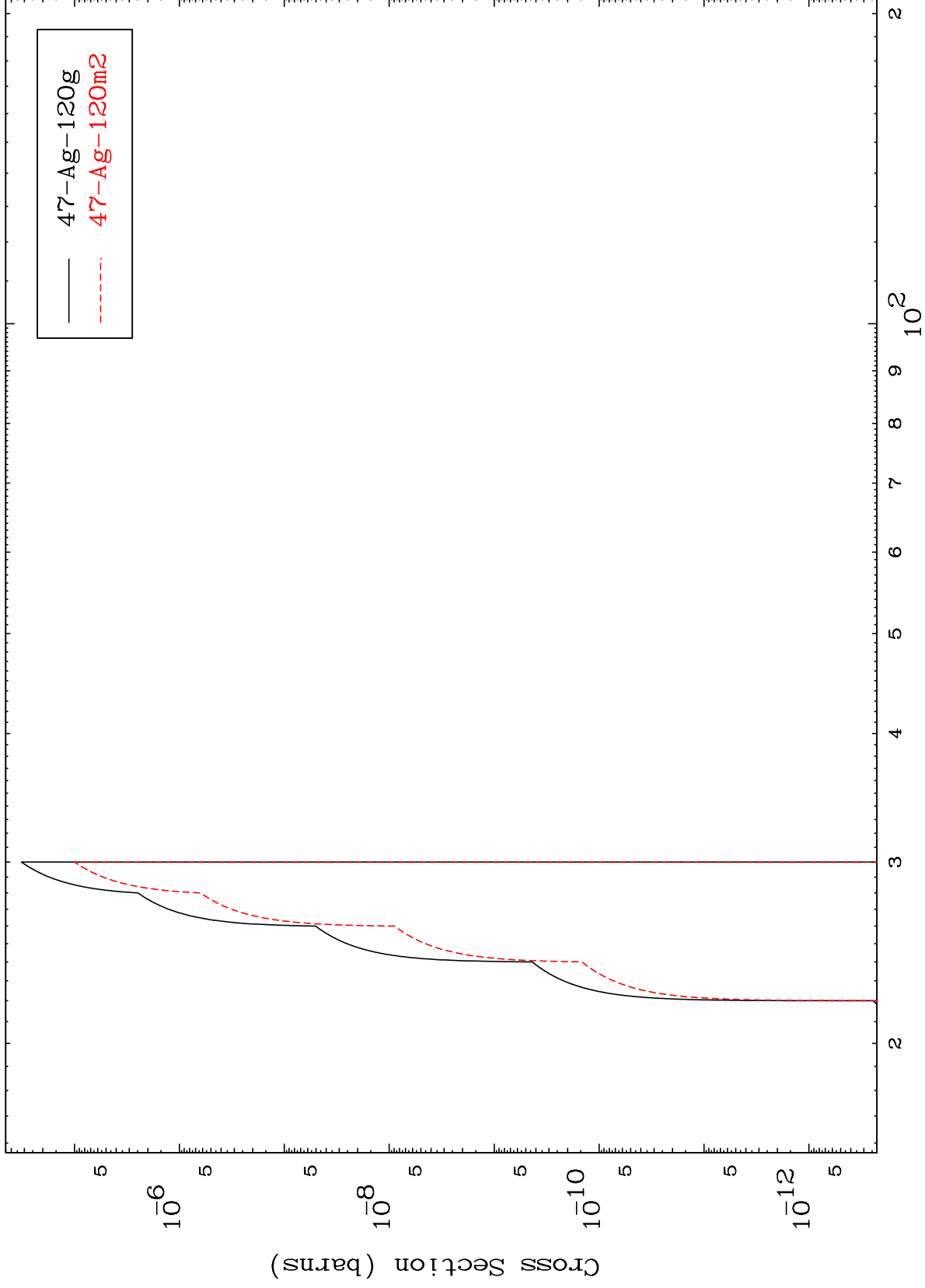
47-Ag-119

MAT 4761

($\alpha, \text{He-3}$)

47-Ag-119

Radionuclide Production Cross Section



26

Incident Energy (MeV)

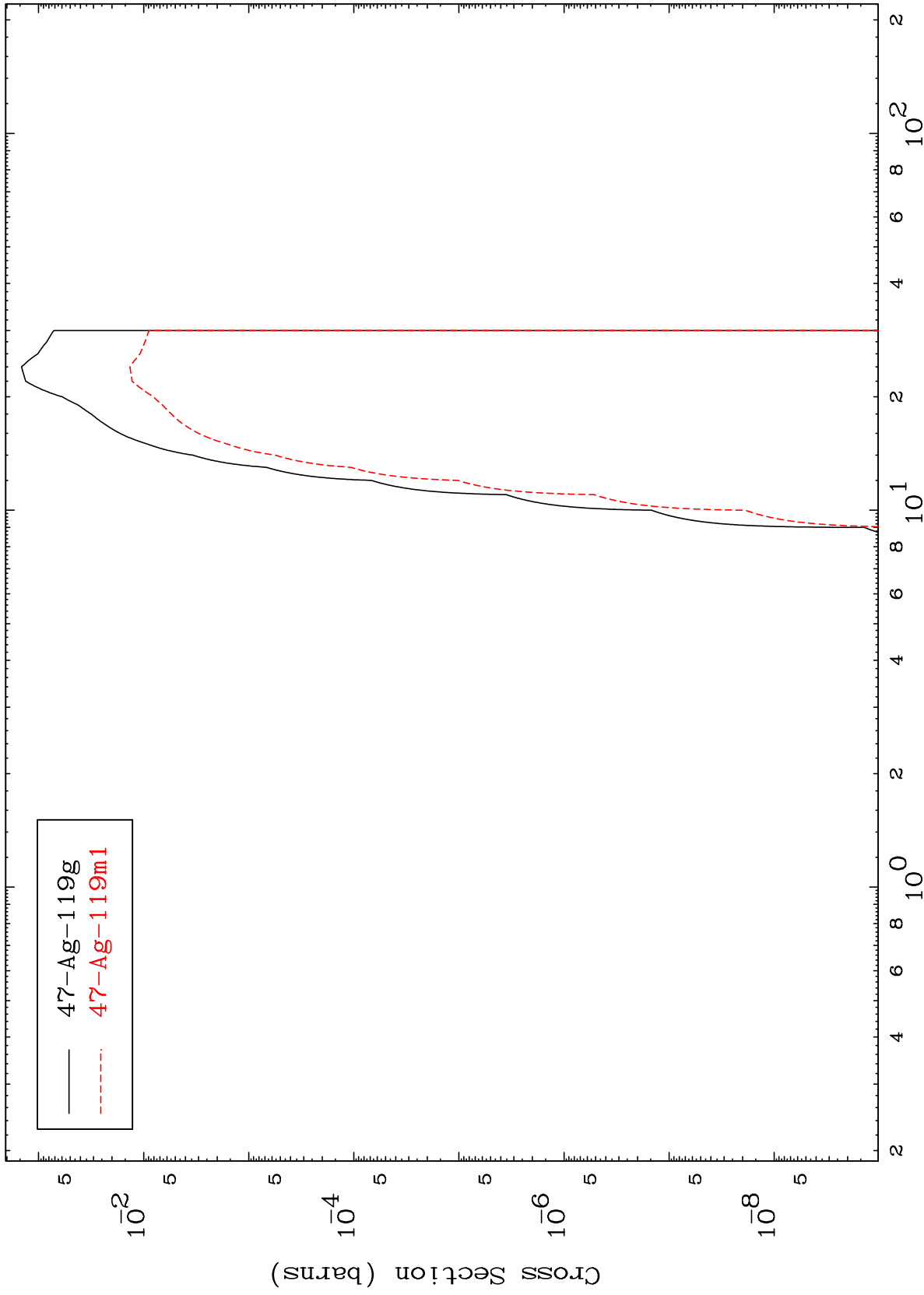
47-Ag-119

MAT 4761

(α, α)

47-Ag-119

Radionuclide Production Cross Section



27

Incident Energy (MeV)

47-Ag-119