

Program EVALPLOT
(Version 2018-1)

by

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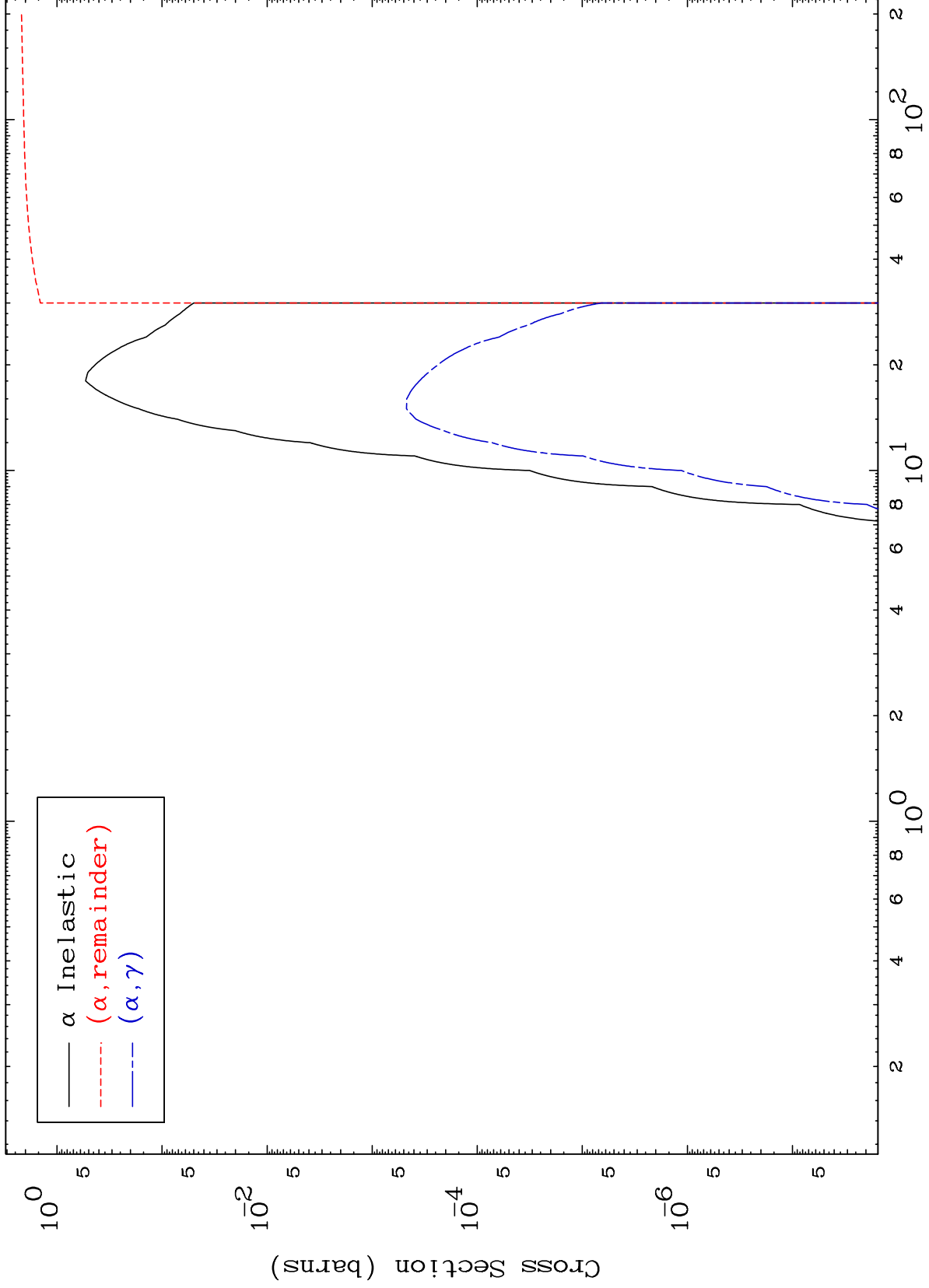
Press Mouse Button to Start

MAT 5040

α Major

50-Sn-117

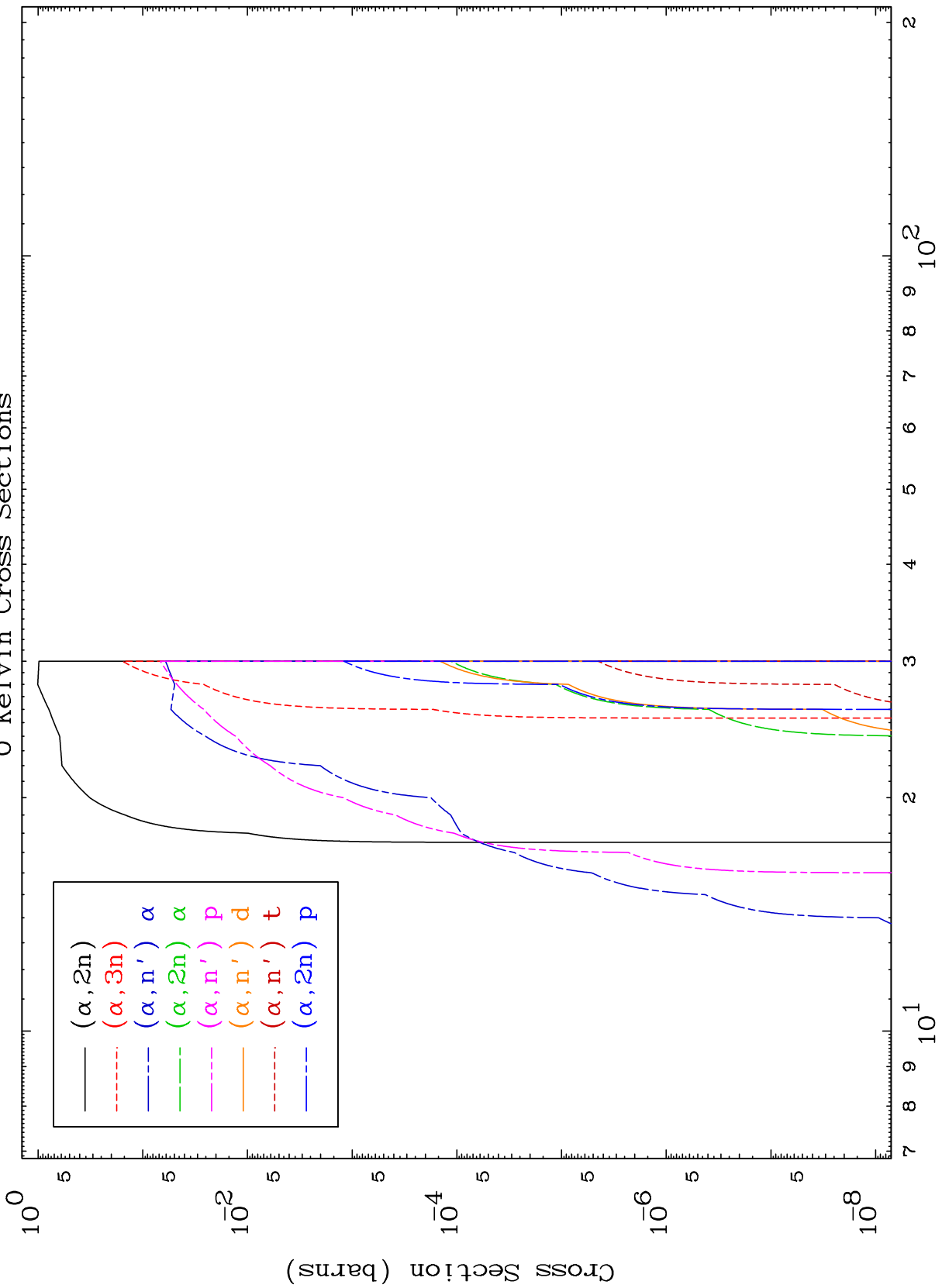
0 Kelvin Cross Sections



MAT 5040

α Neutron Production
0 Kelvin Cross Sections

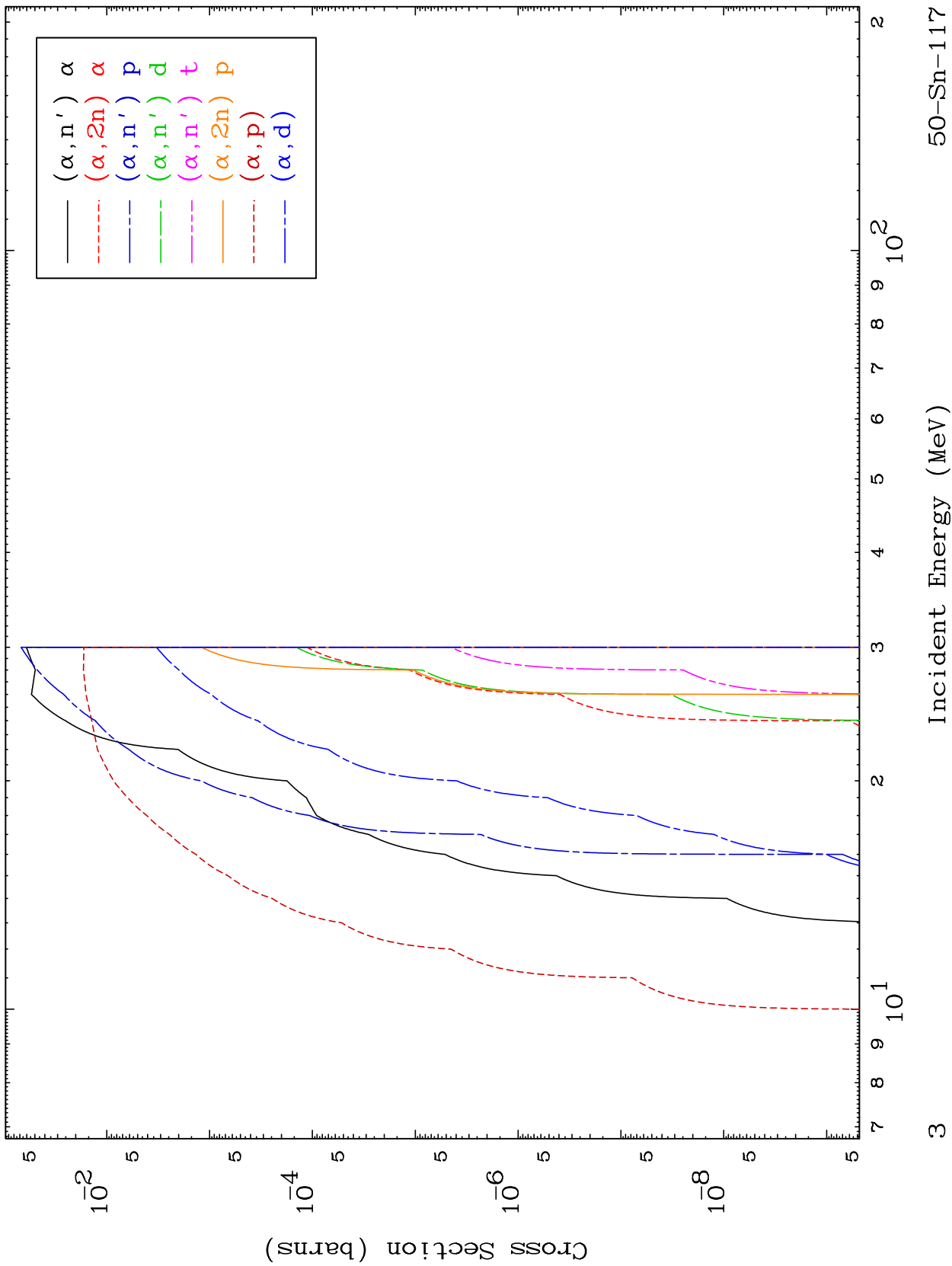
50-Sn-117



Incident Energy (MeV)

50-Sn-117

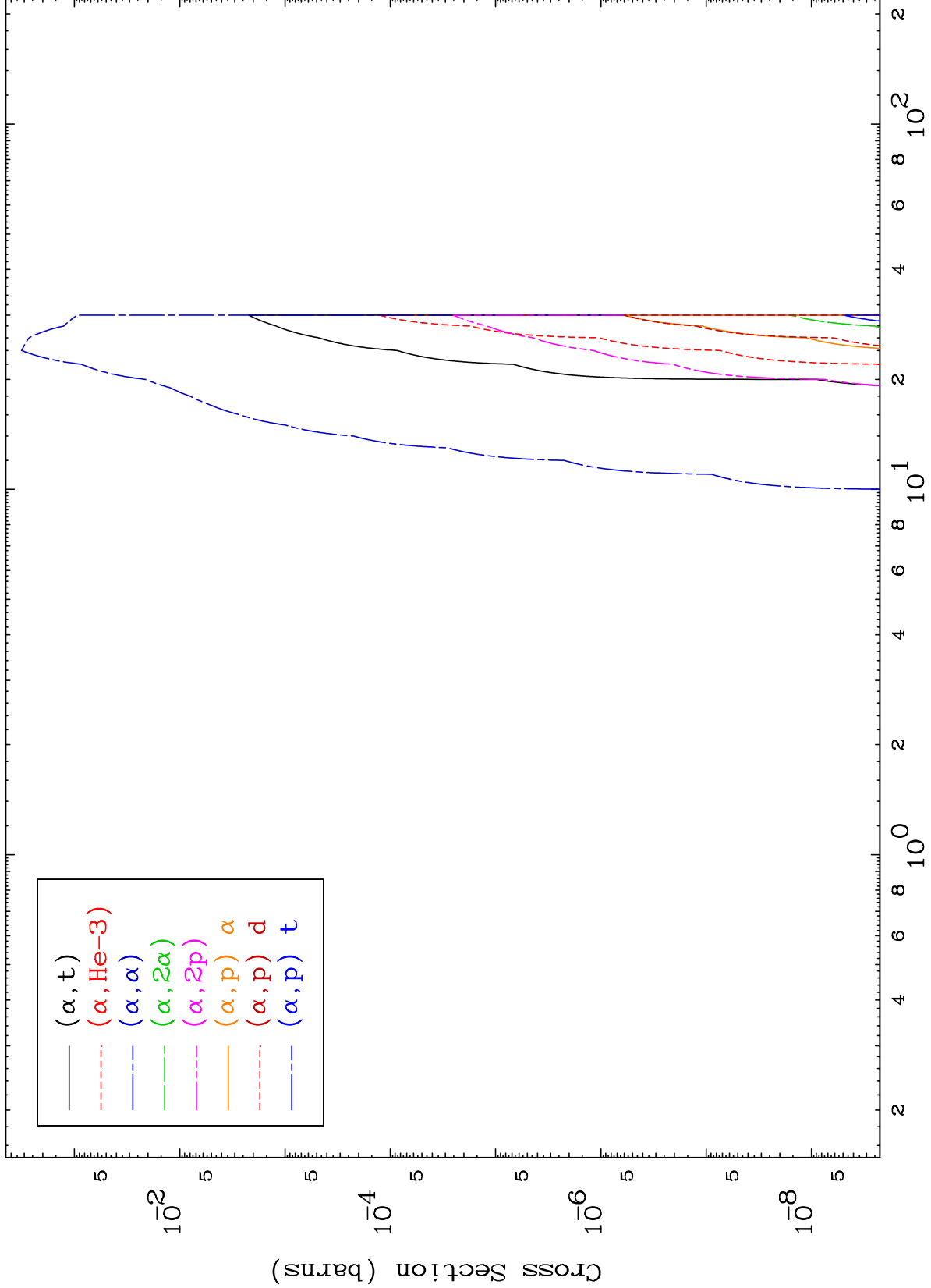
2



MAT 5040

α Charged Particle
0 Kelvin Cross Sections

50-Sn-117



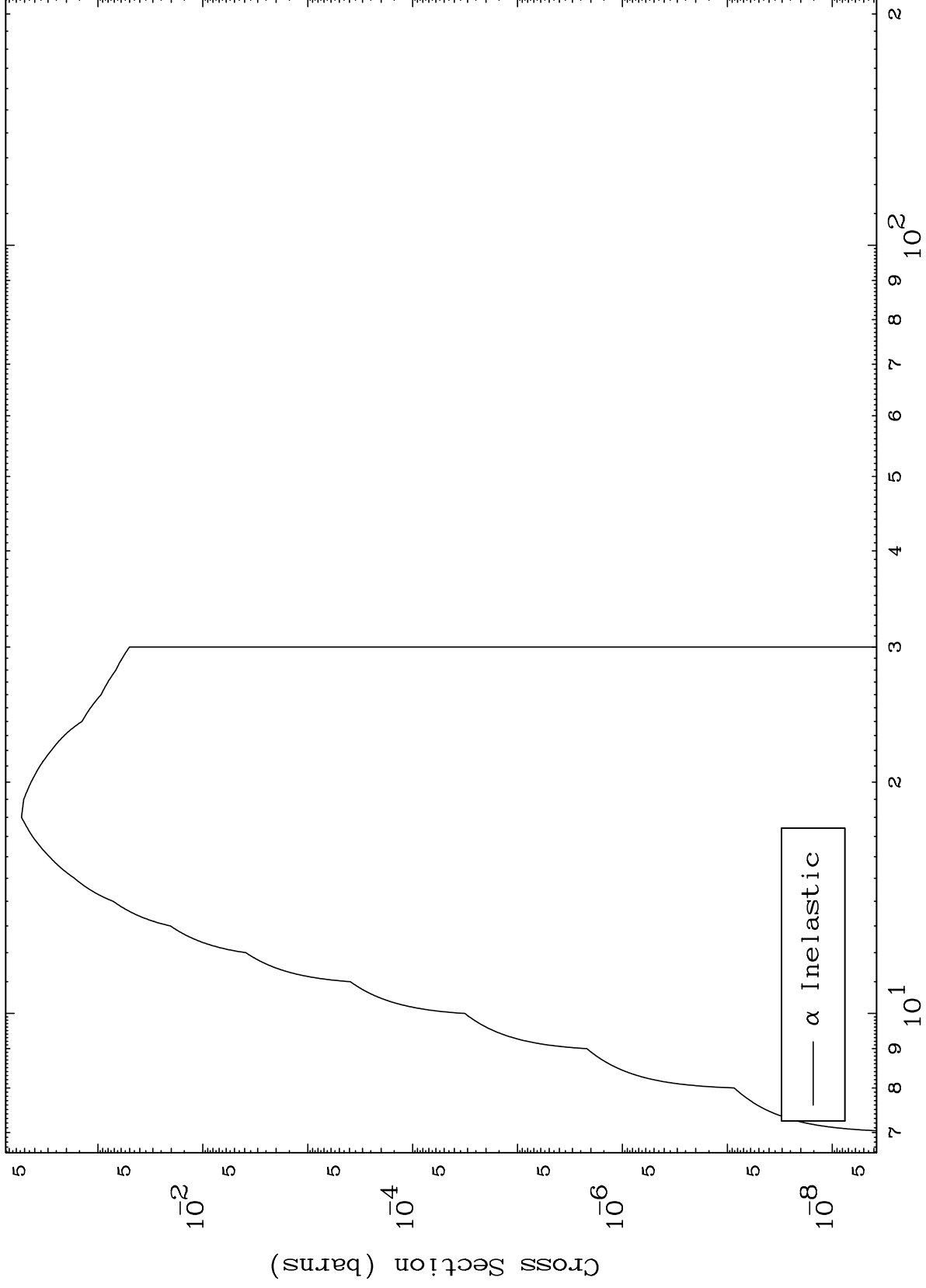
50-Sn-117

Incident Energy (MeV)

MAT 5040

(α, n') Level
0 Kelvin Cross Sections

50-Sn-117



5

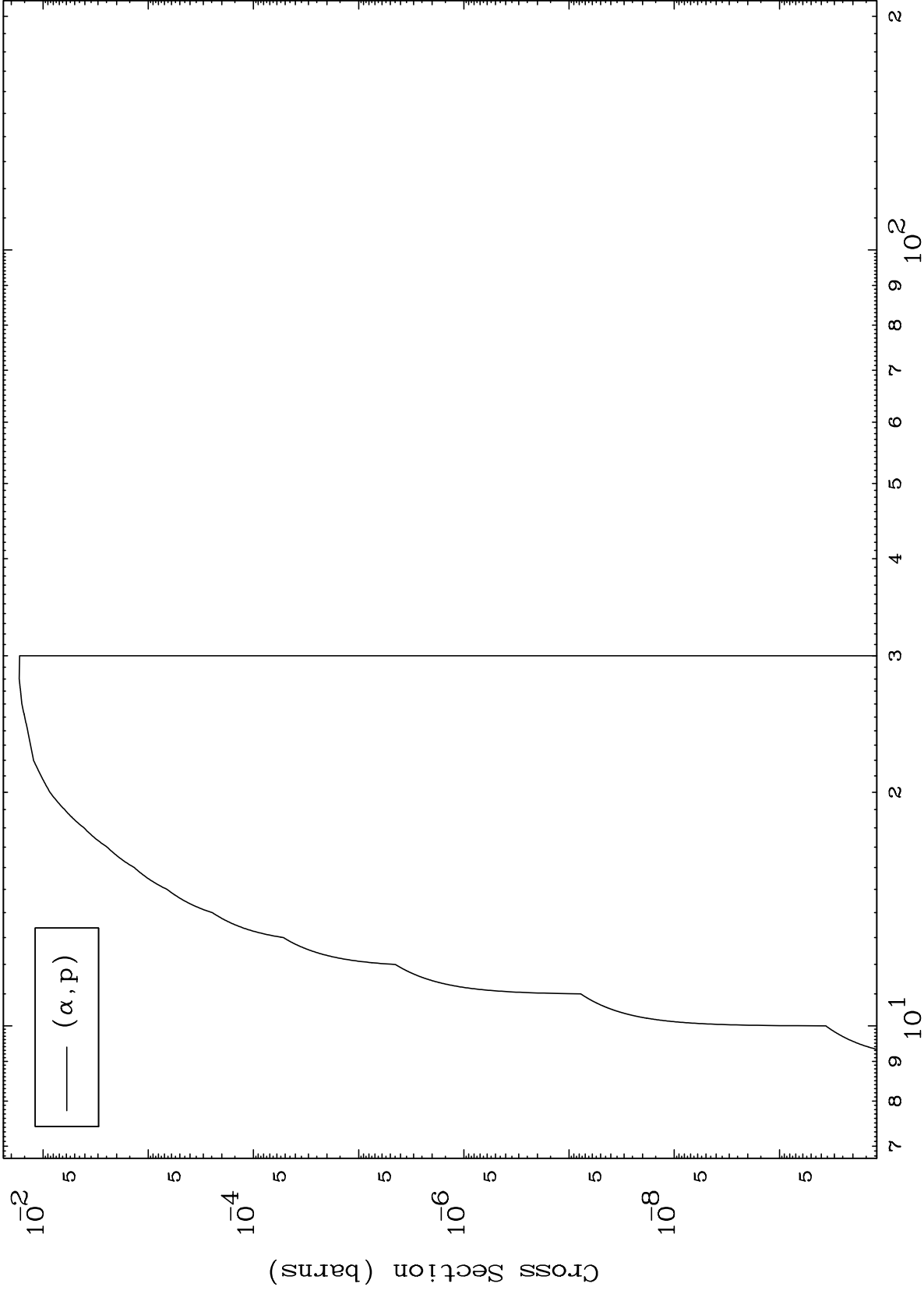
Incident Energy (MeV)

50-Sn-117

MAT 5040

50-Sn-117

(α, p) Levels
0 Kelvin Cross Sections



50-Sn-117

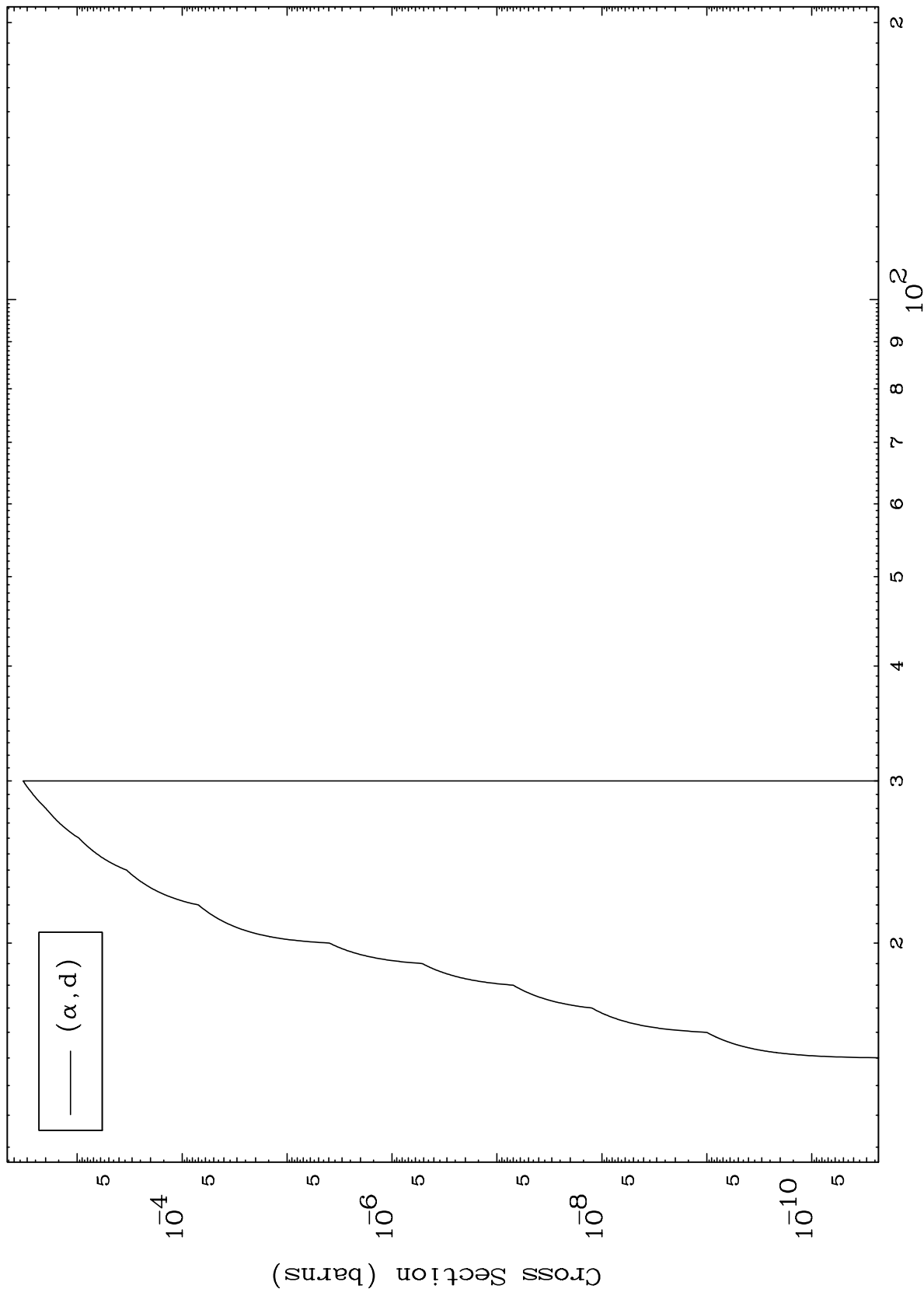
Incident Energy (MeV)

6

MAT 5040

50-Sn-117

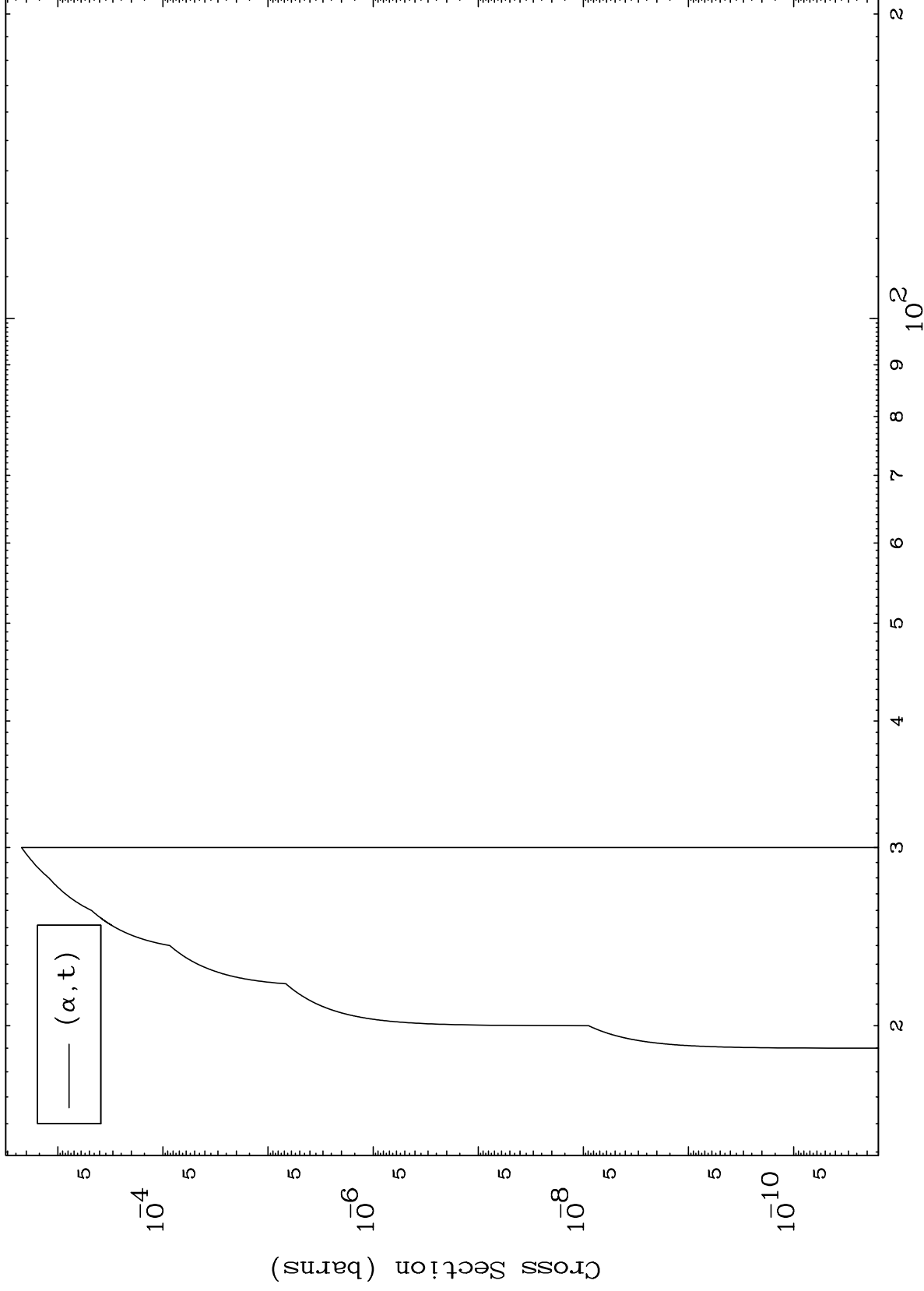
(α, d) Levels
0 Kelvin Cross Sections



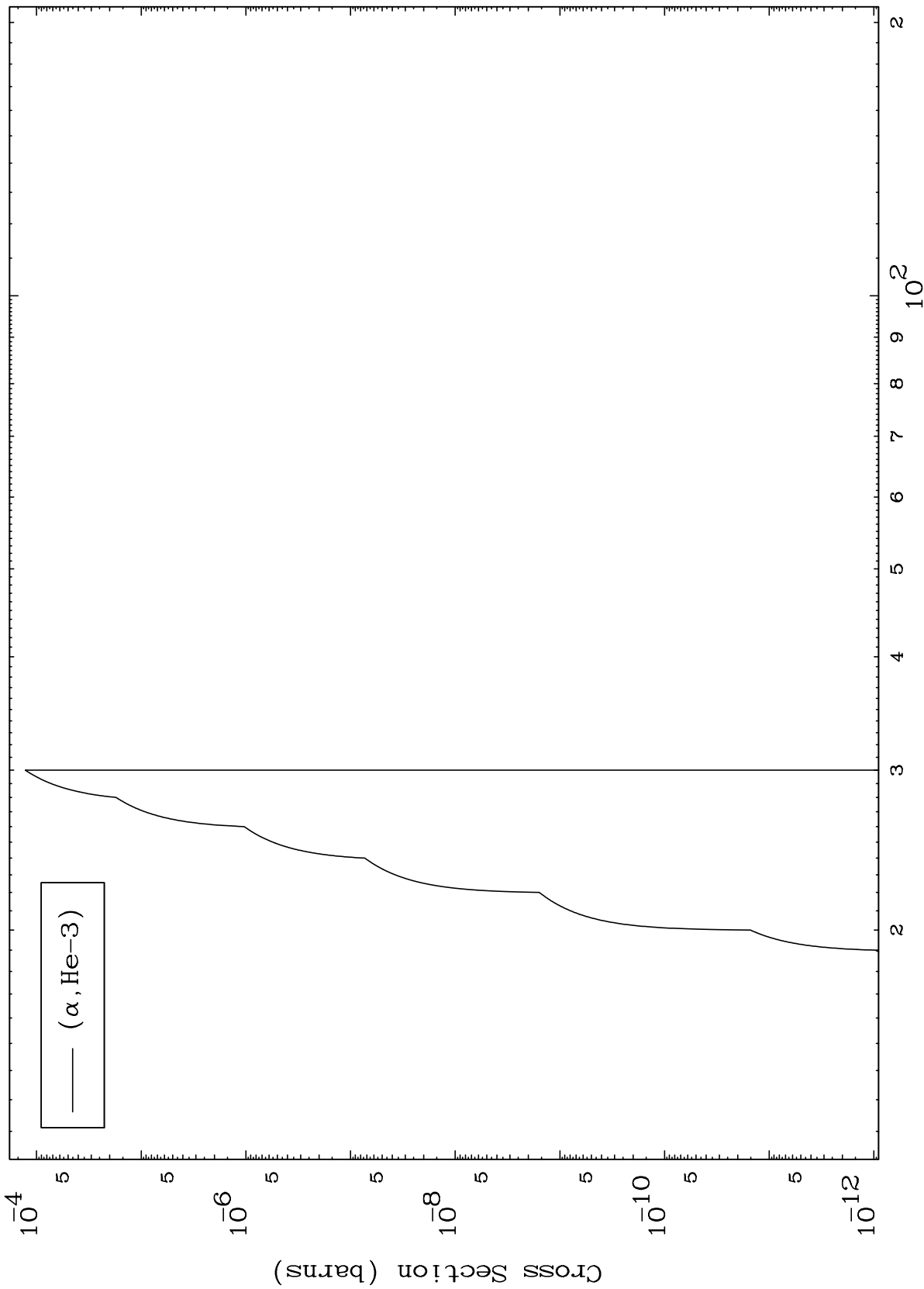
50-Sn-117

Incident Energy (MeV)

7



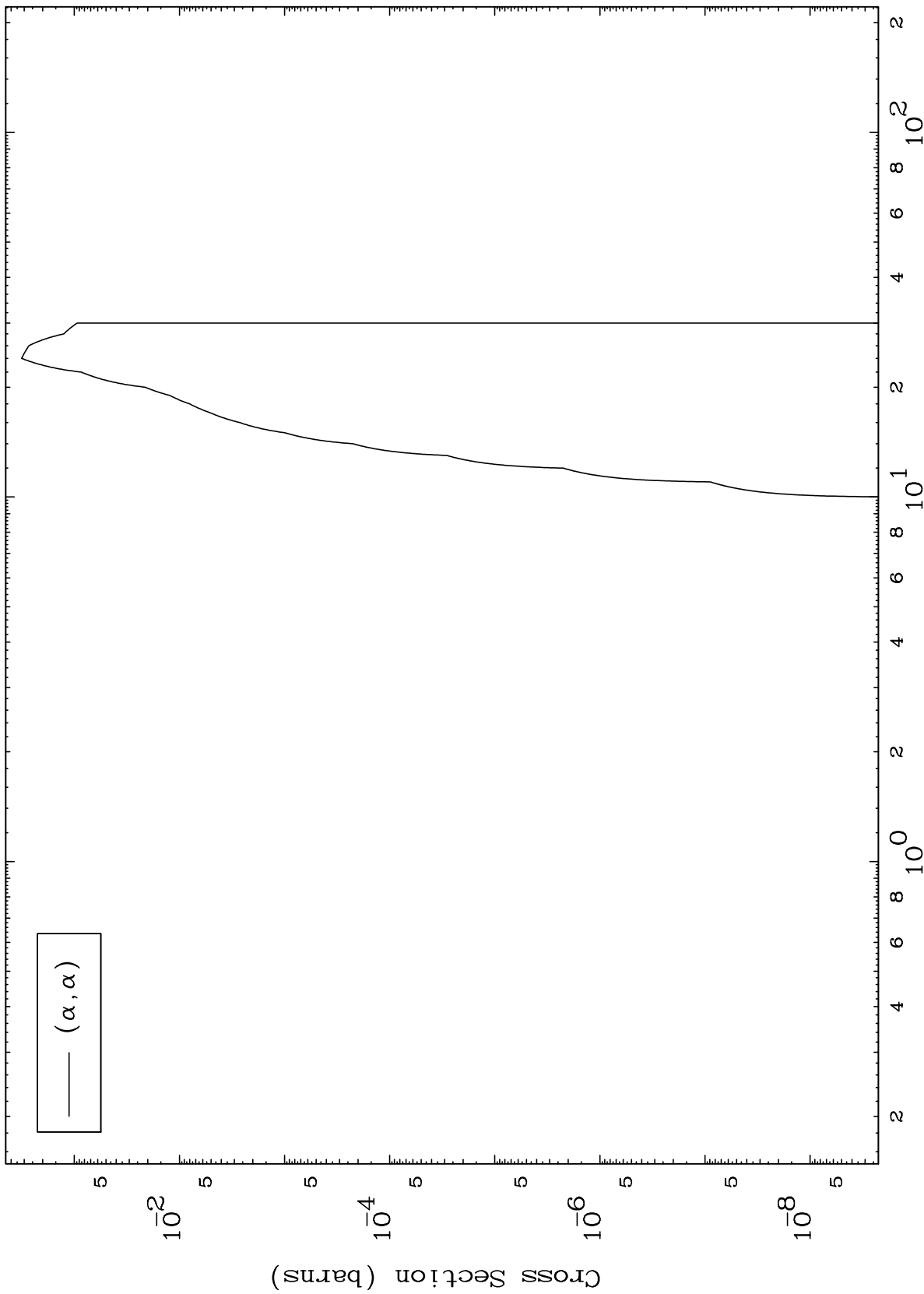
($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections



MAT 5040

50-Sn-117

(α, α) Levels
0 Kelvin Cross Sections



50-Sn-117

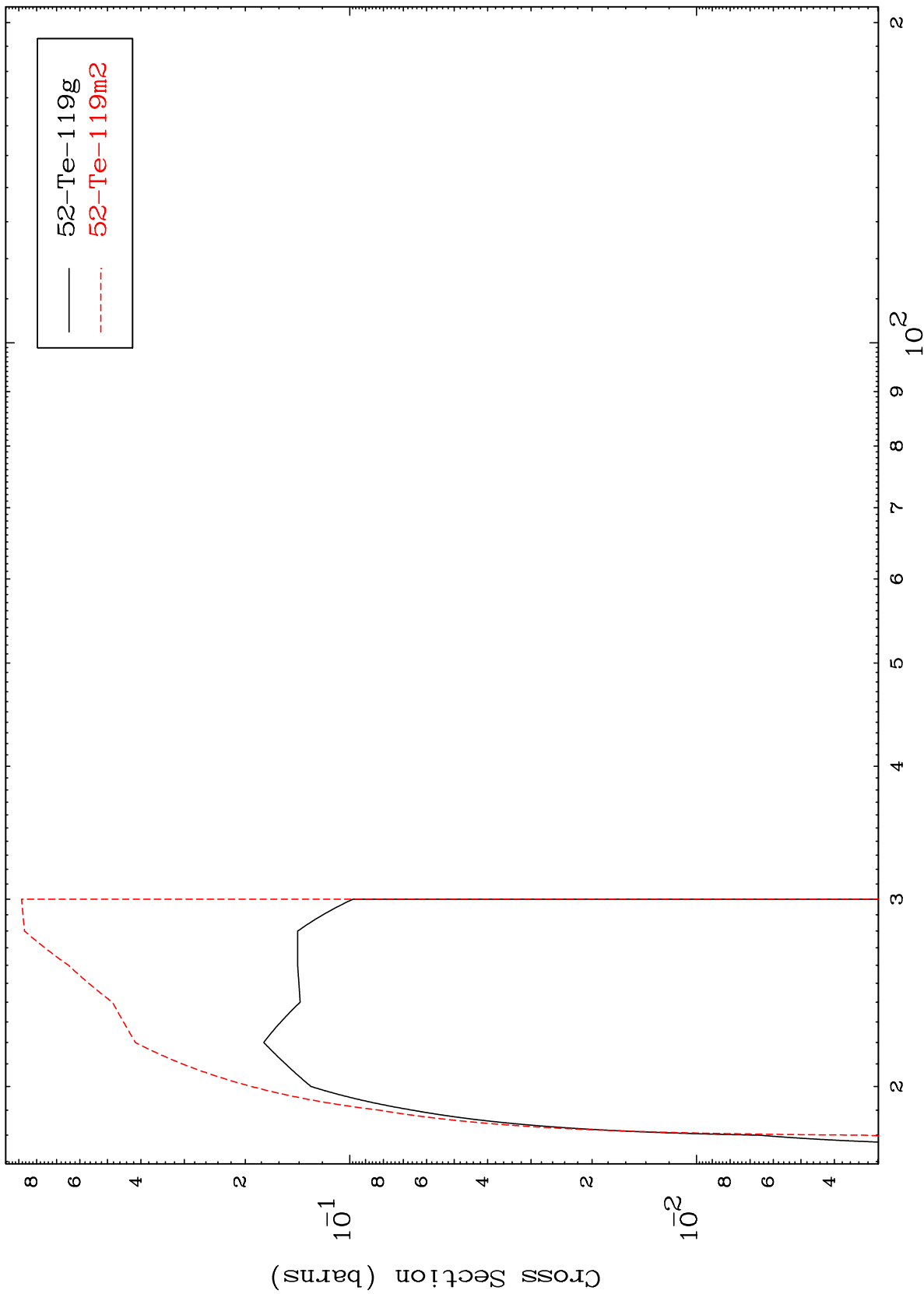
Incident Energy (MeV)

10

MAT 5040

50-Sn-117

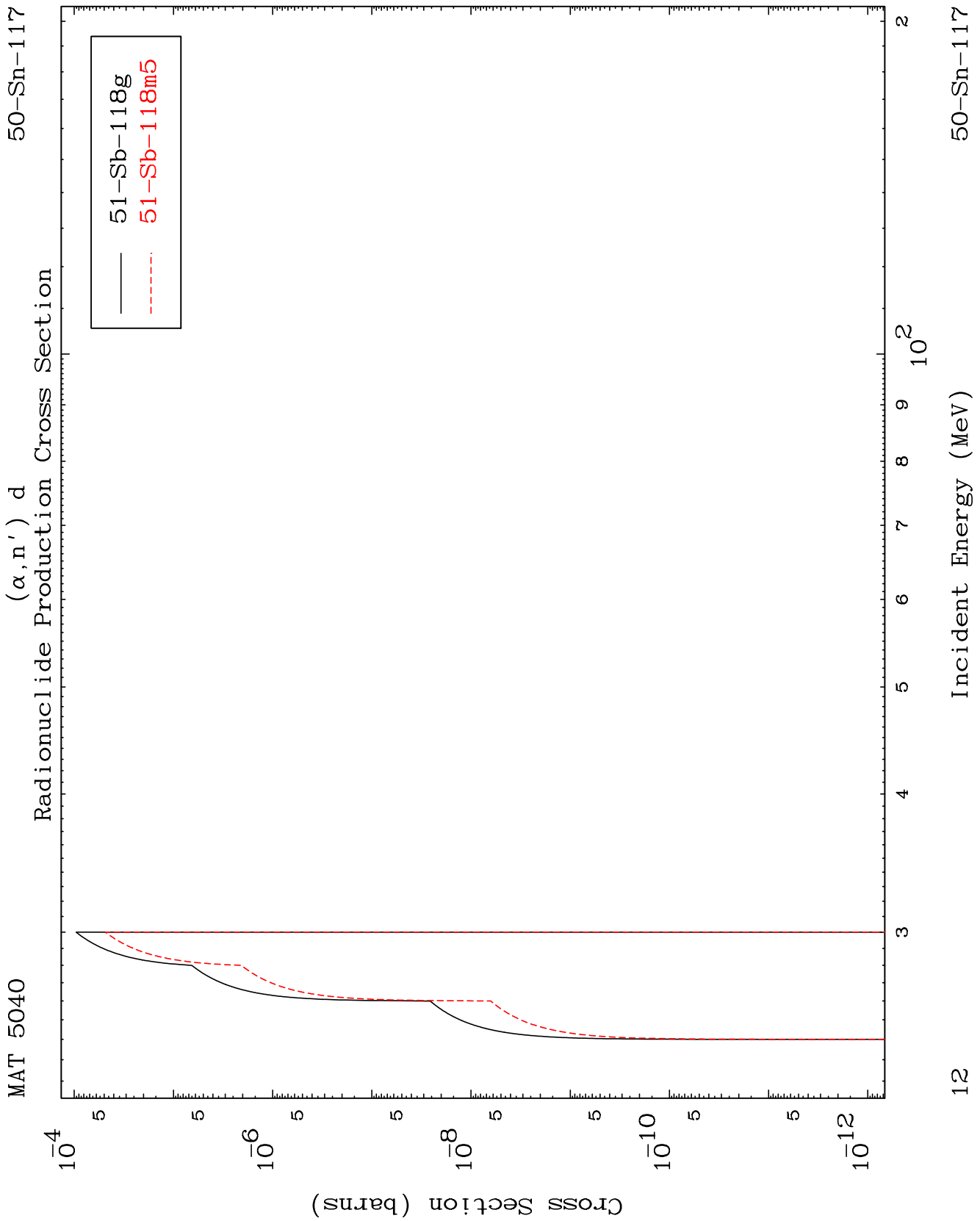
($\alpha, 2n$)
Radionuclide Production Cross Section



11

Incident Energy (MeV)

50-Sn-117

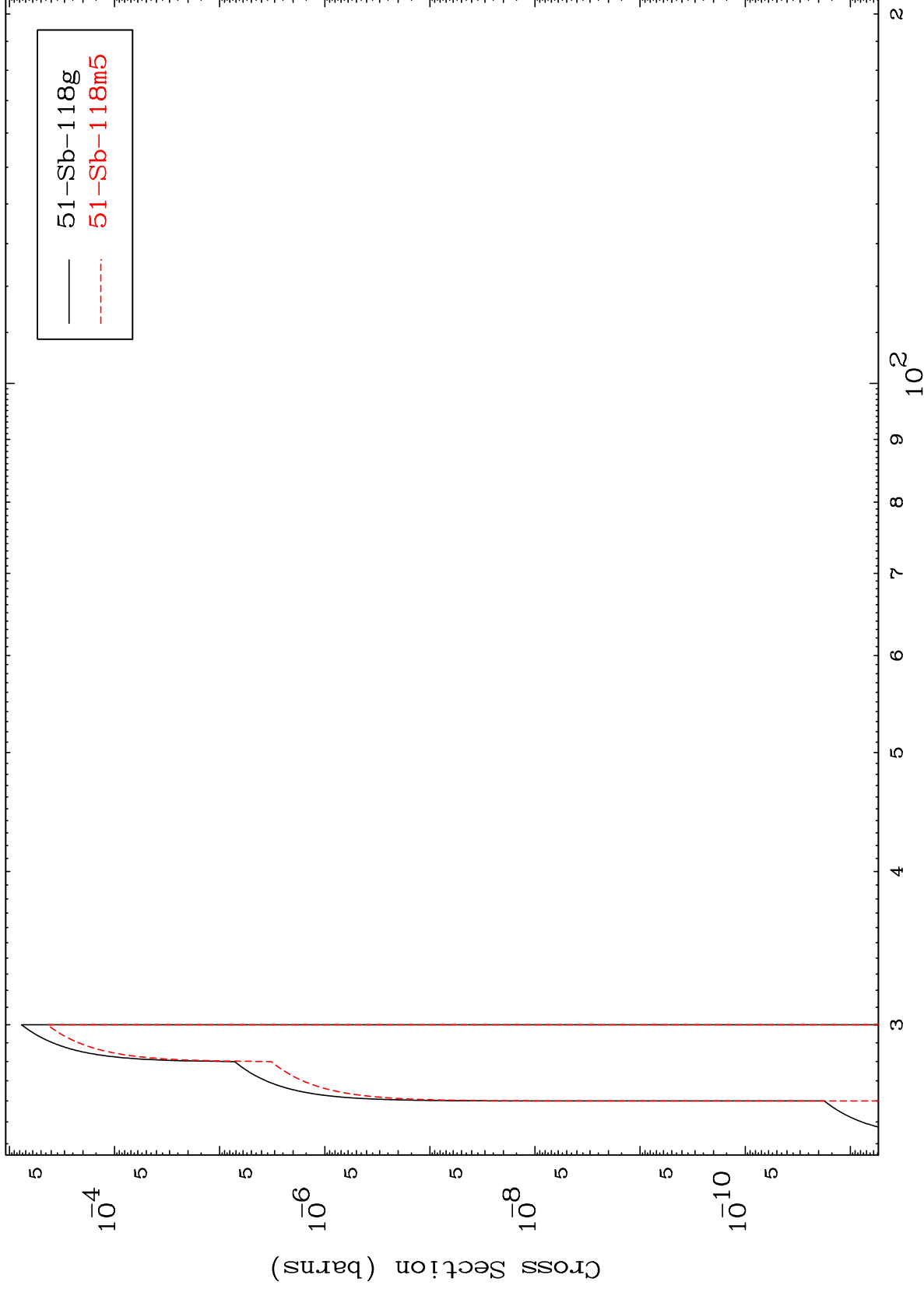


MAT 5040

$(\alpha, 2n)$ p

50-Sn-117

Radionuclide Production Cross Section



13

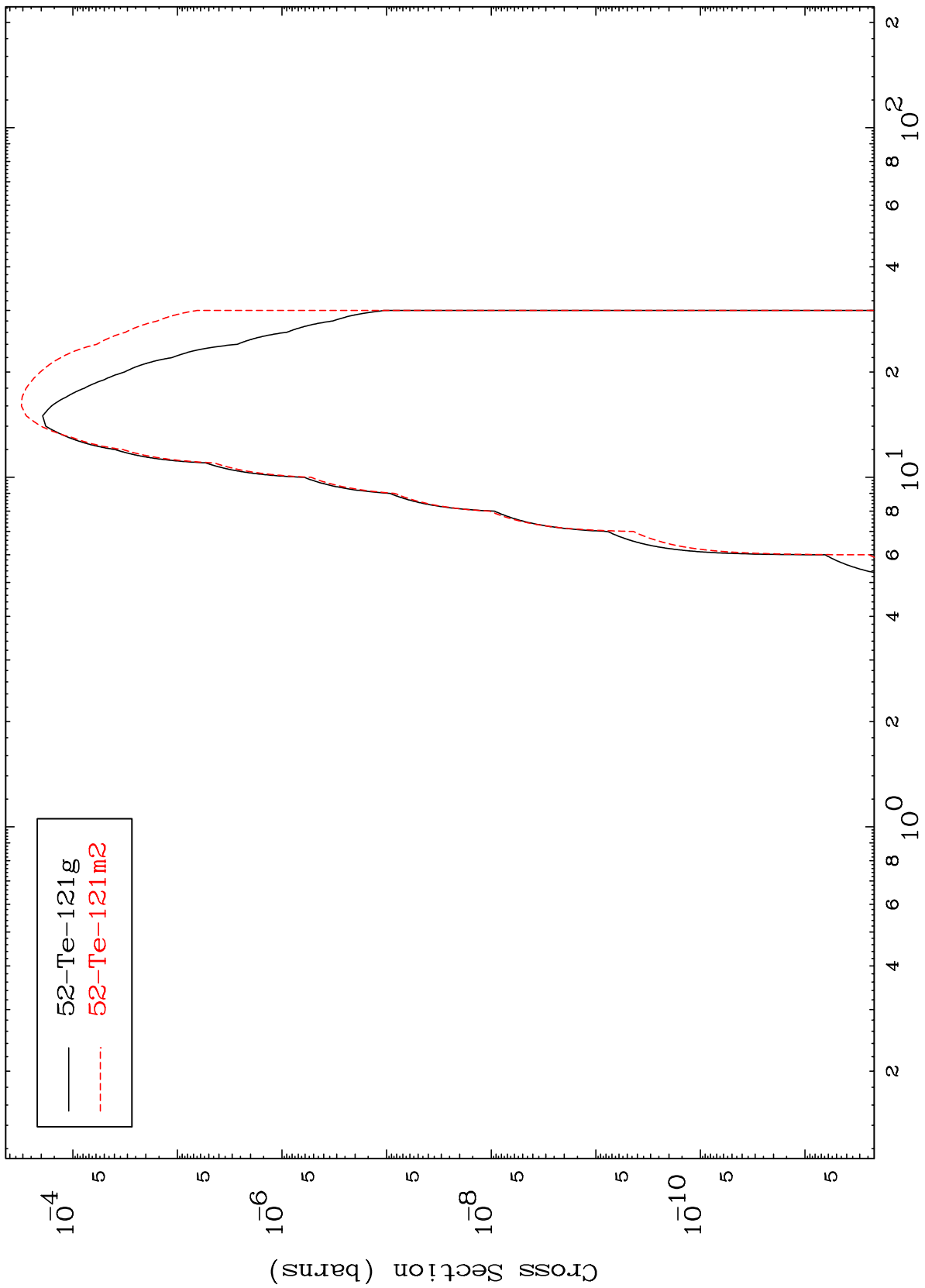
Incident Energy (MeV)

50-Sn-117

MAT 5040

50-Sn-117

Radionuclide Production Cross Section
(α, γ)

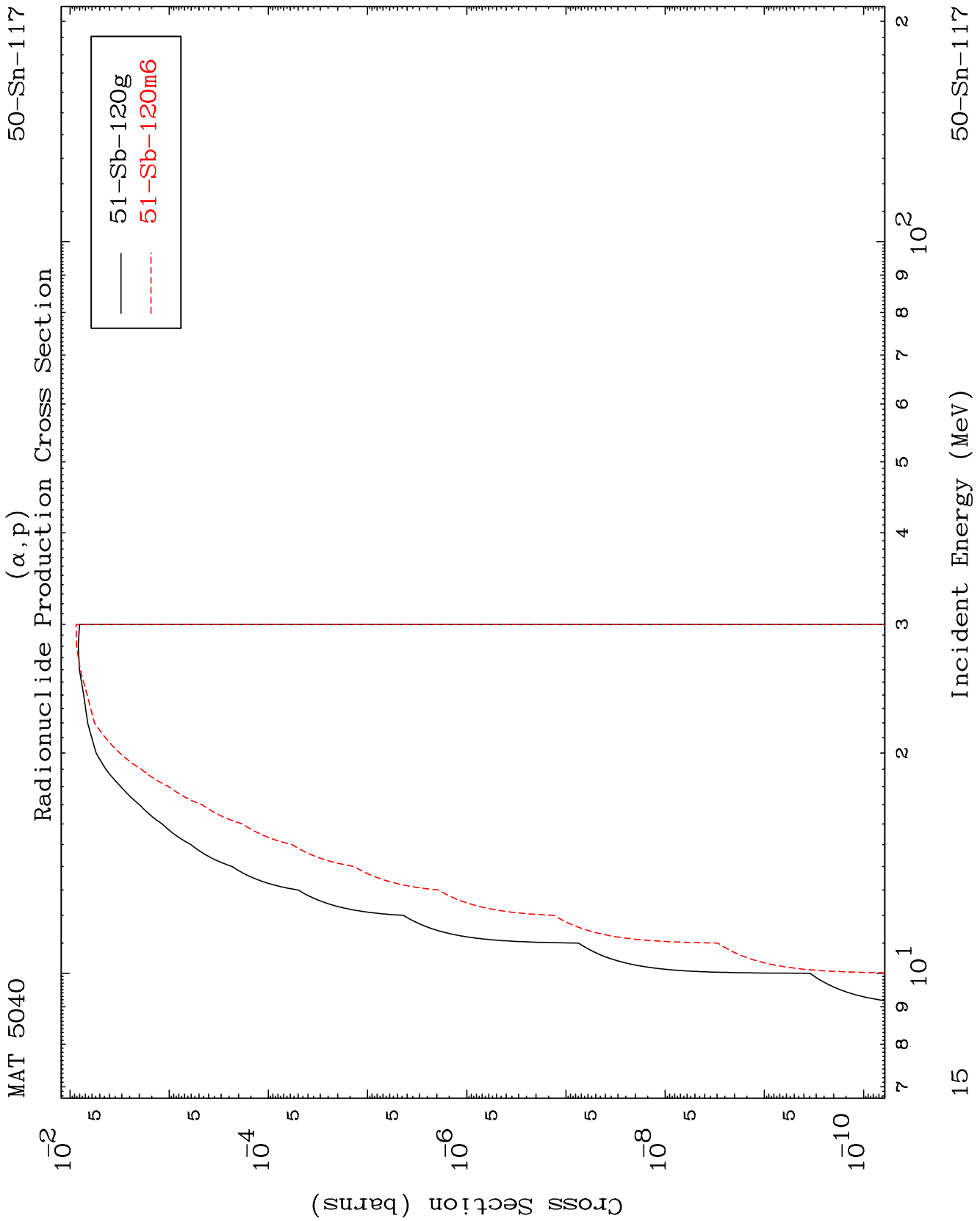


— 52-Te-121g
- - - 52-Te-121m2

50-Sn-117

Incident Energy (MeV)

14

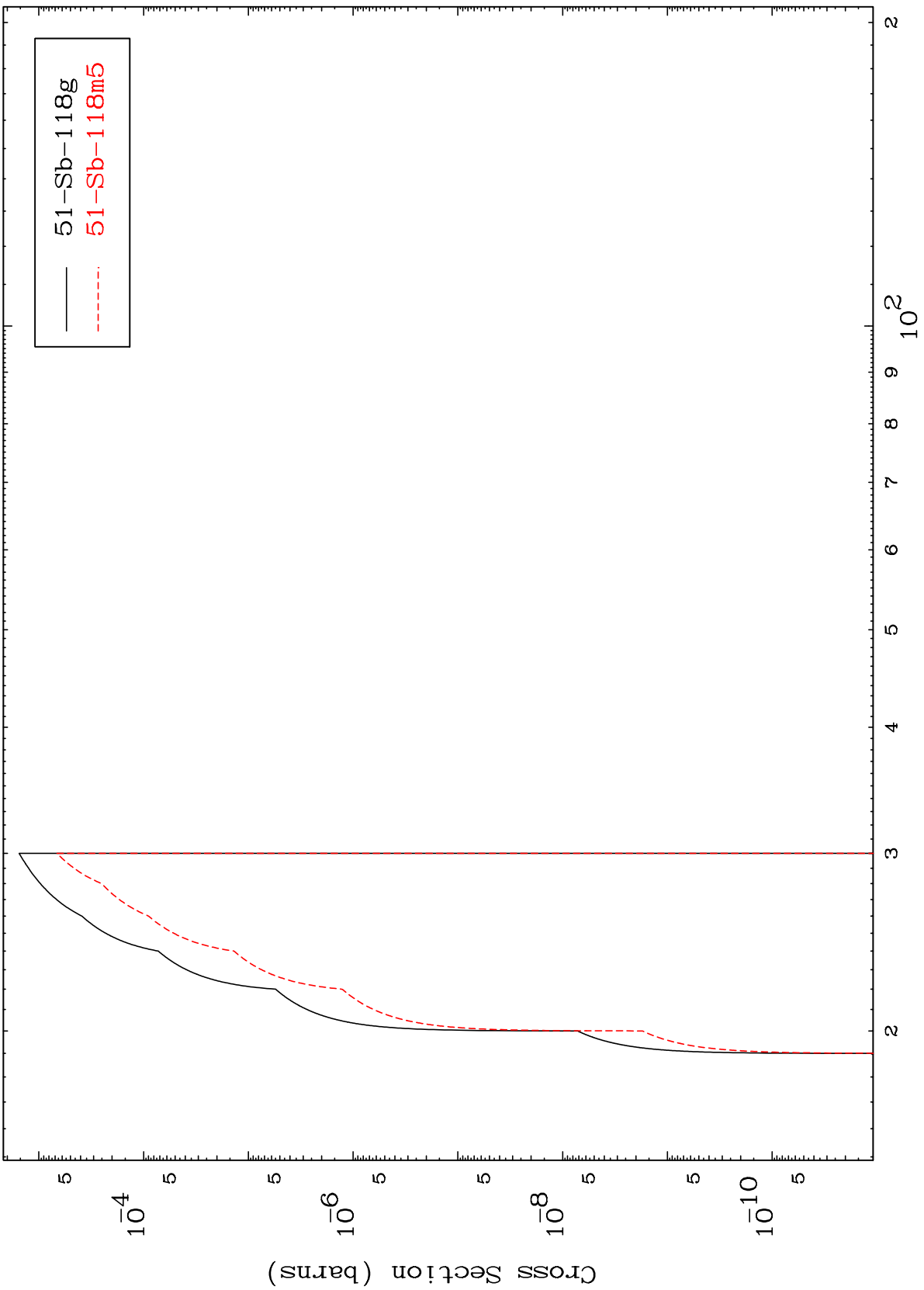


MAT 5040

(α, t)

50-Sn-117

Radionuclide Production Cross Section



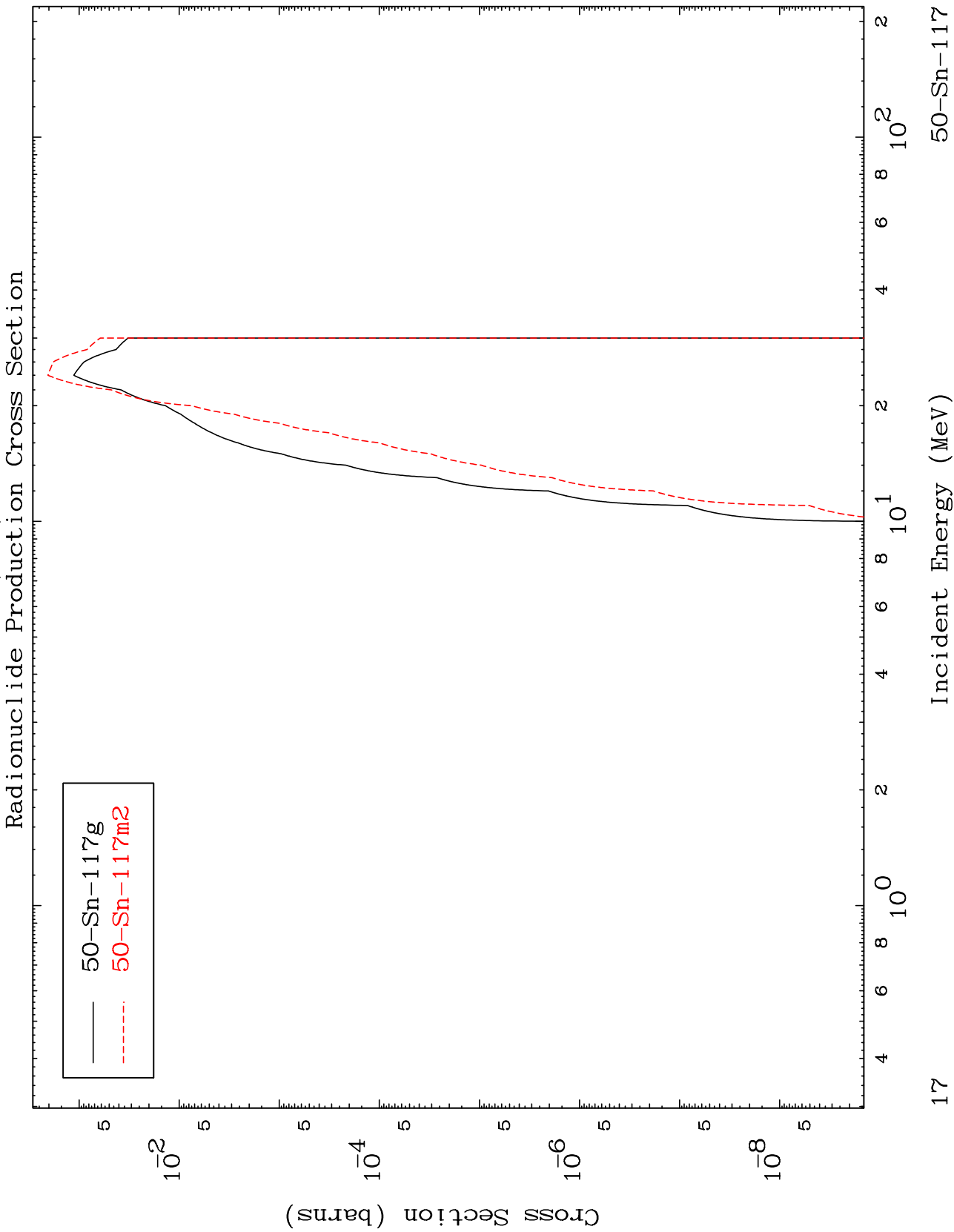
16

Incident Energy (MeV)

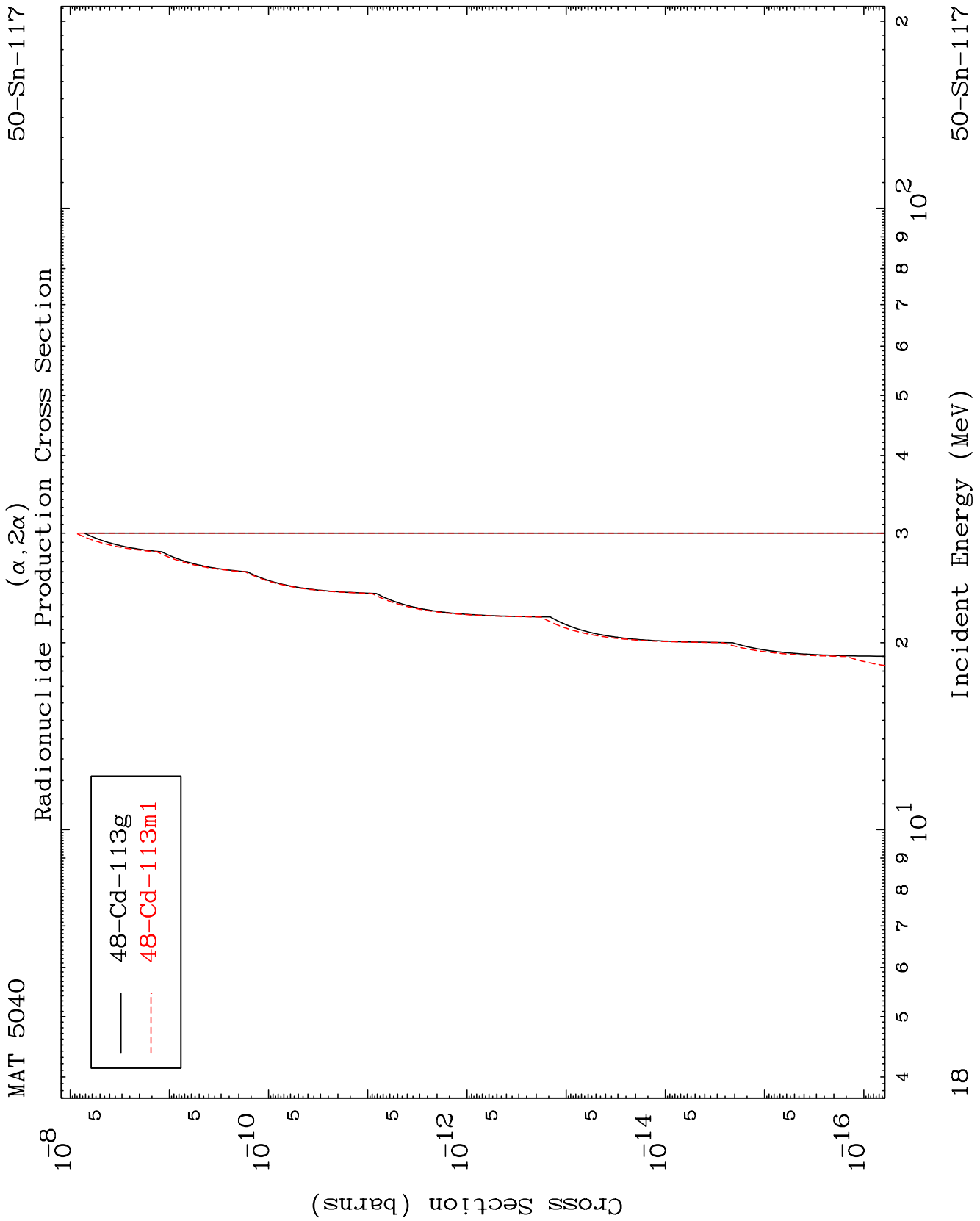
50-Sn-117

MAT 5040

50-Sn-117



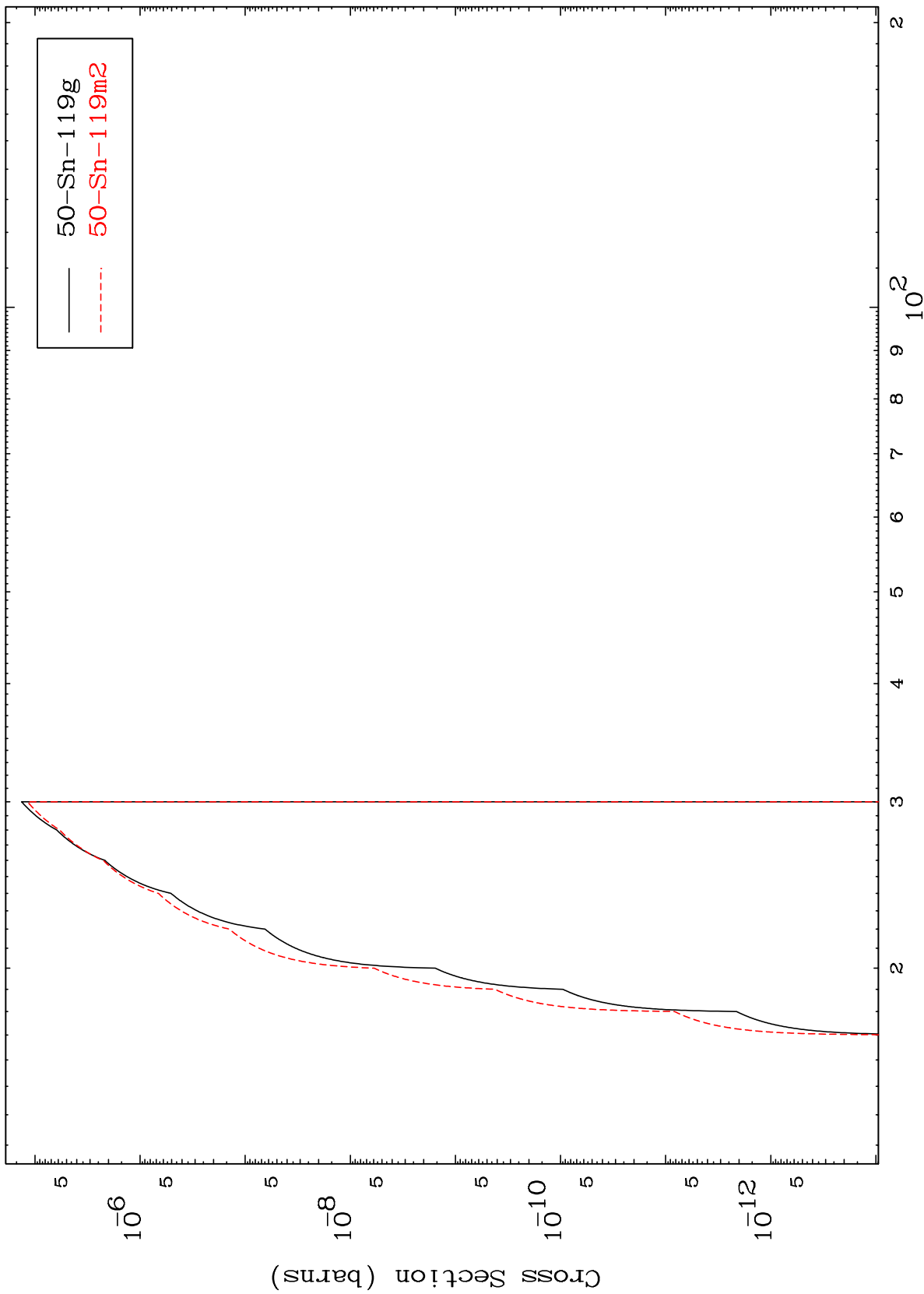
17



MAT 5040

50-Sn-117

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



19

Incident Energy (MeV)

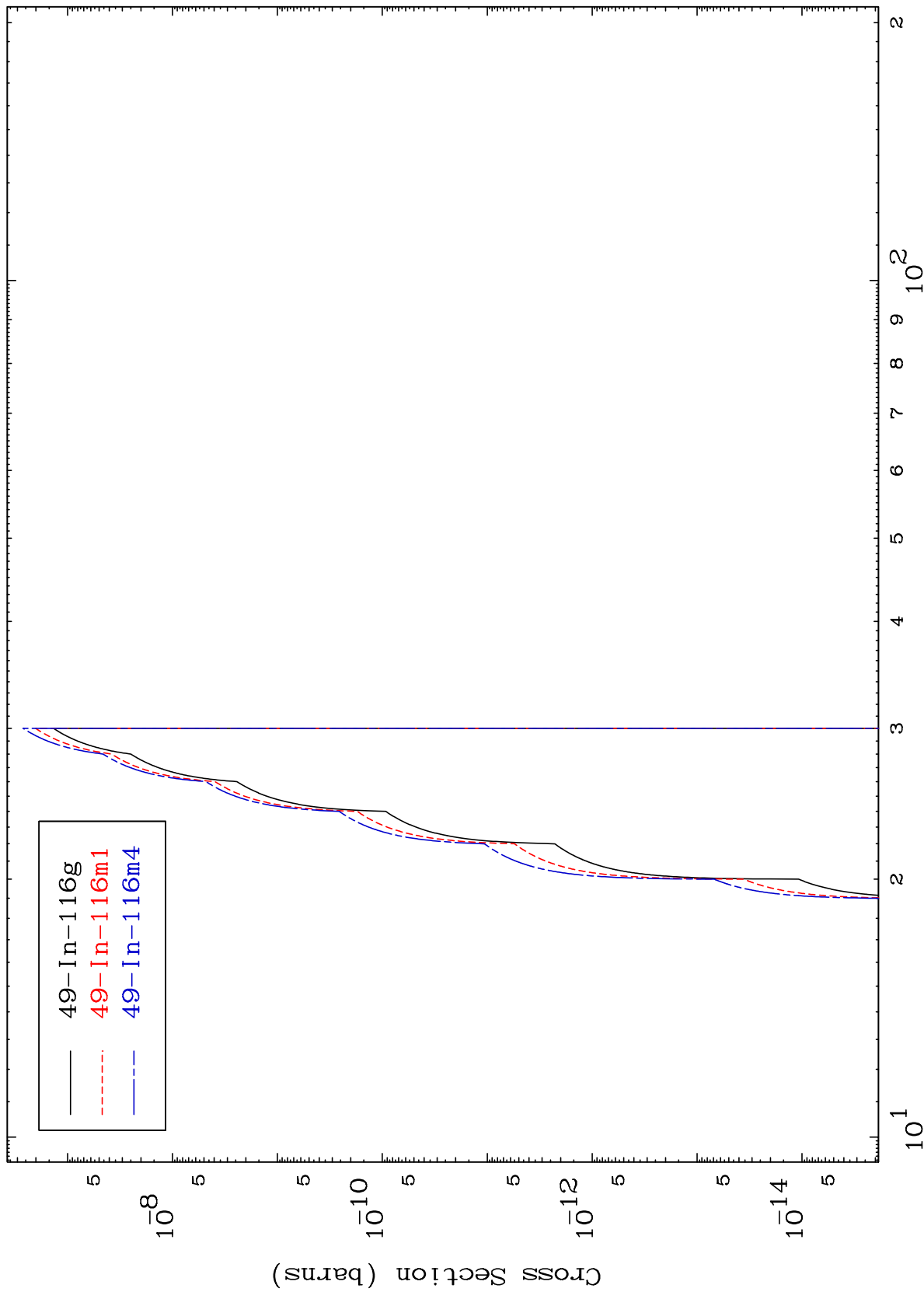
50-Sn-117

MAT 5040

50-Sn-117

(α, p) α

Radionuclide Production Cross Section



50-Sn-117

Incident Energy (MeV)

10¹

10²

MAT 5040

(α, p) t

50-Sn-117

Radionuclide Production Cross Section

