

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

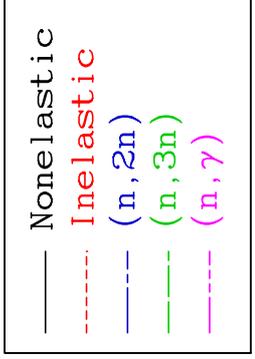
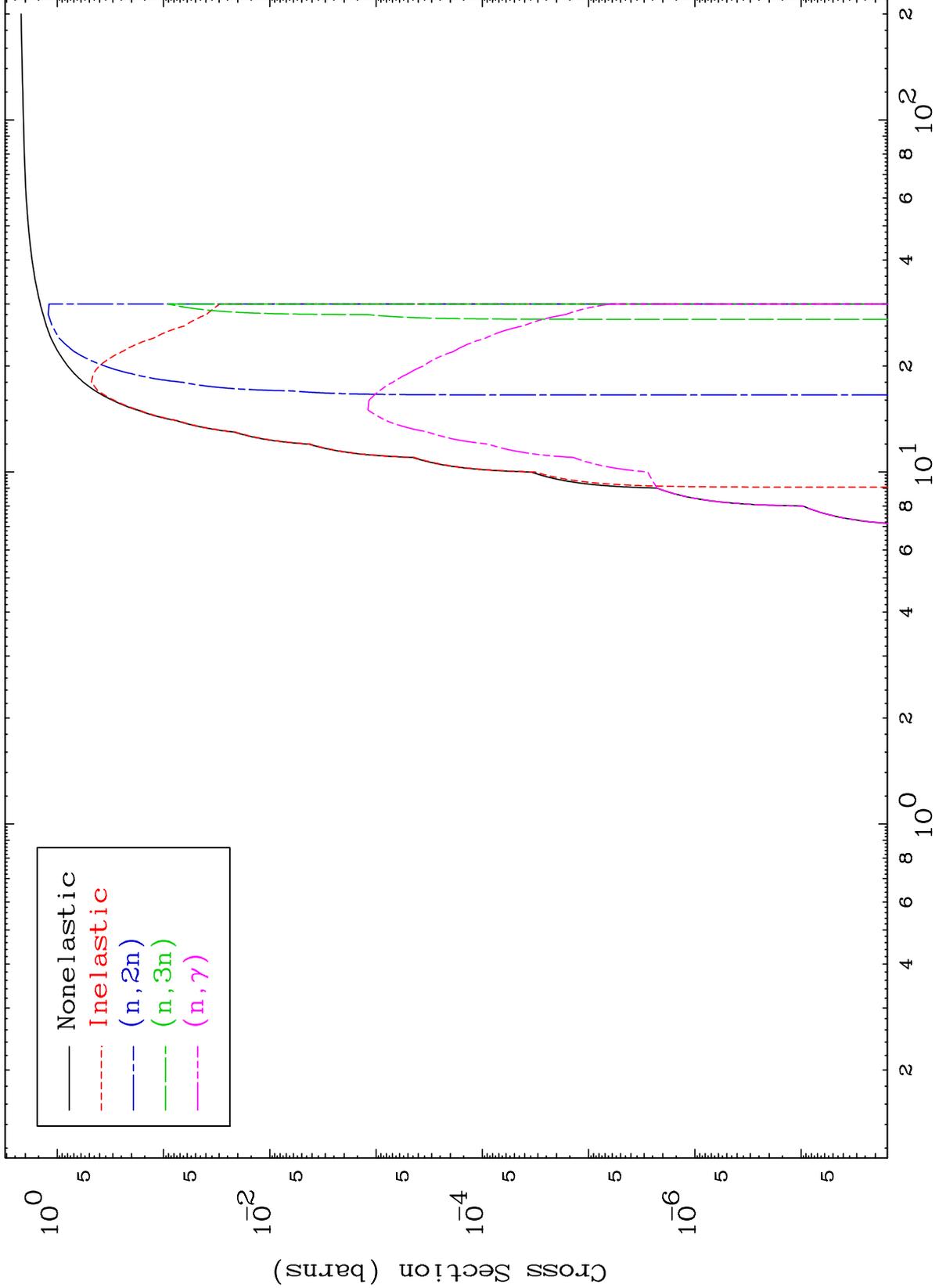
Press Mouse Button to Start

MAT 5043

α Major

50-Sn-118

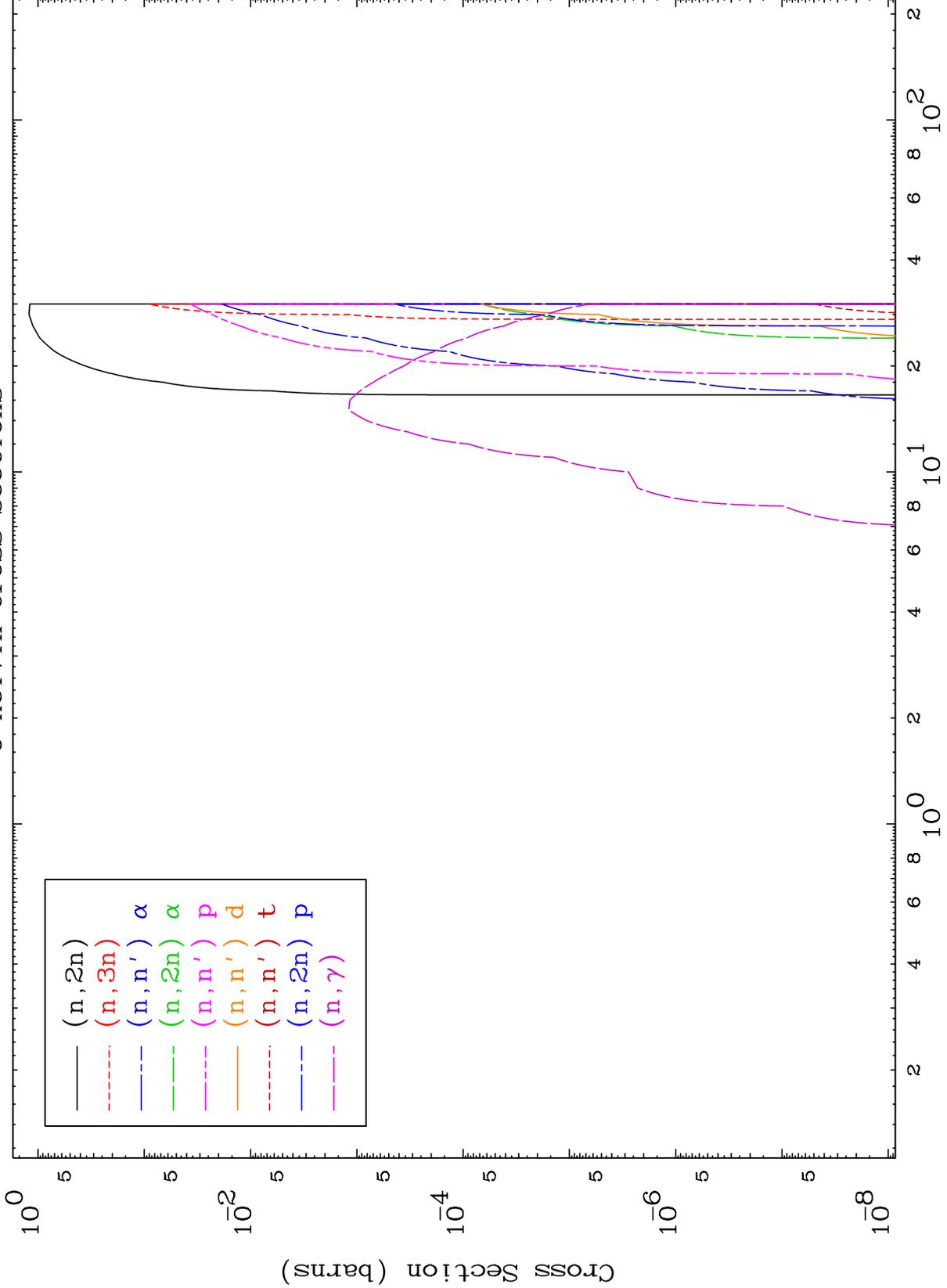
0 Kelvin Cross Sections



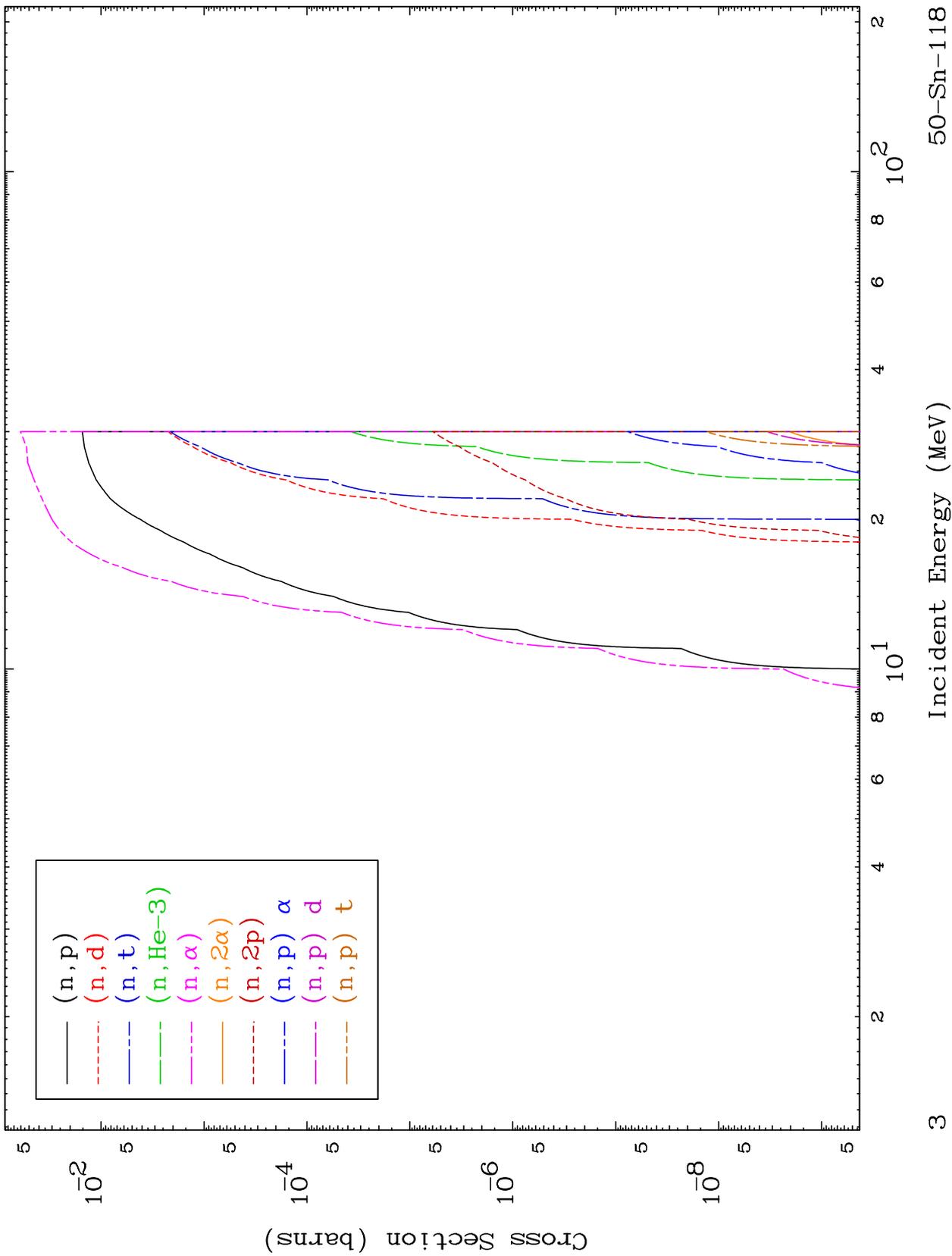
MAT 5043

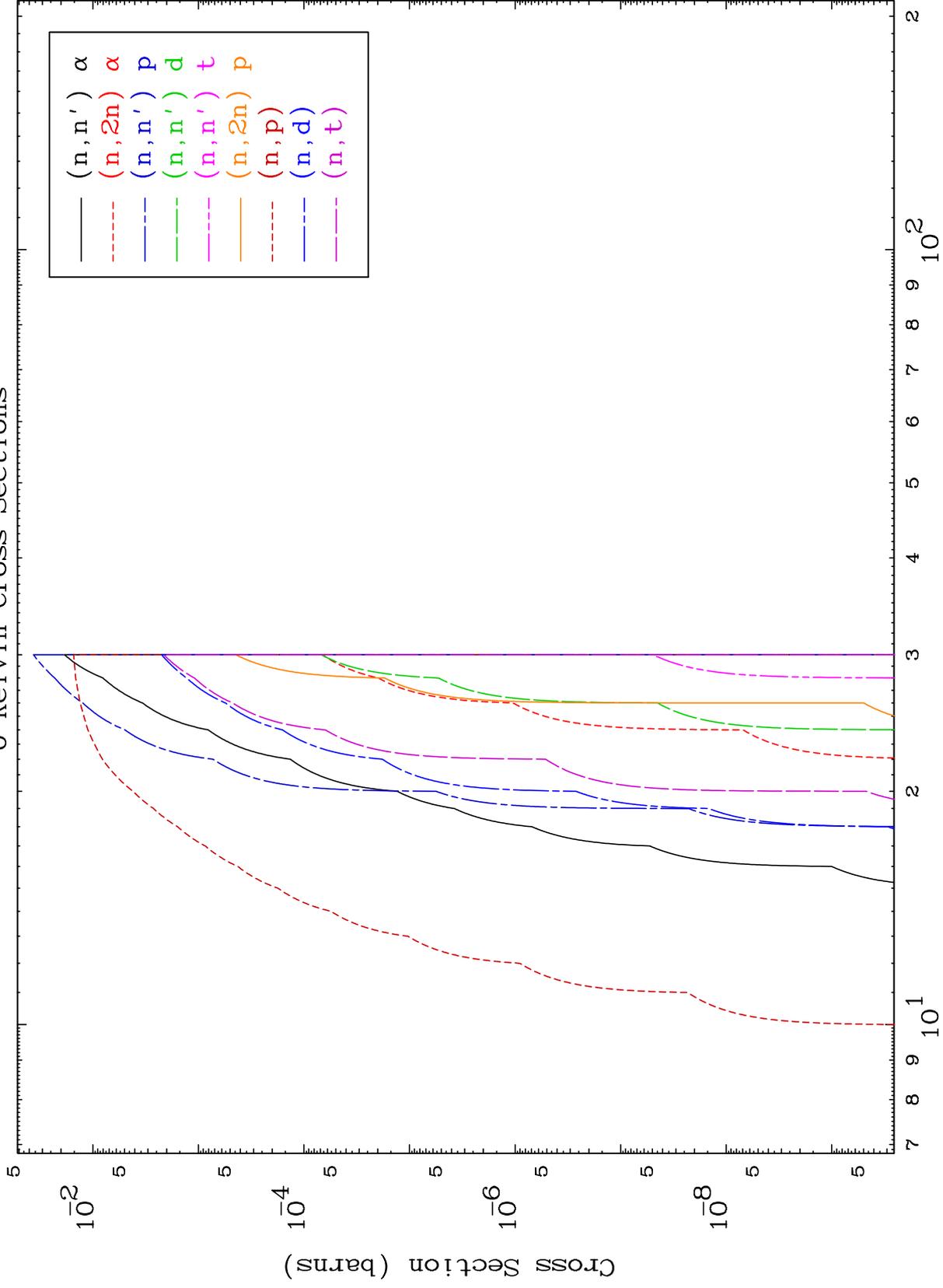
α Neutron Absorption
0 Kelvin Cross Sections

50-Sn-118



α Neutron Absorption
0 Kelvin Cross Sections

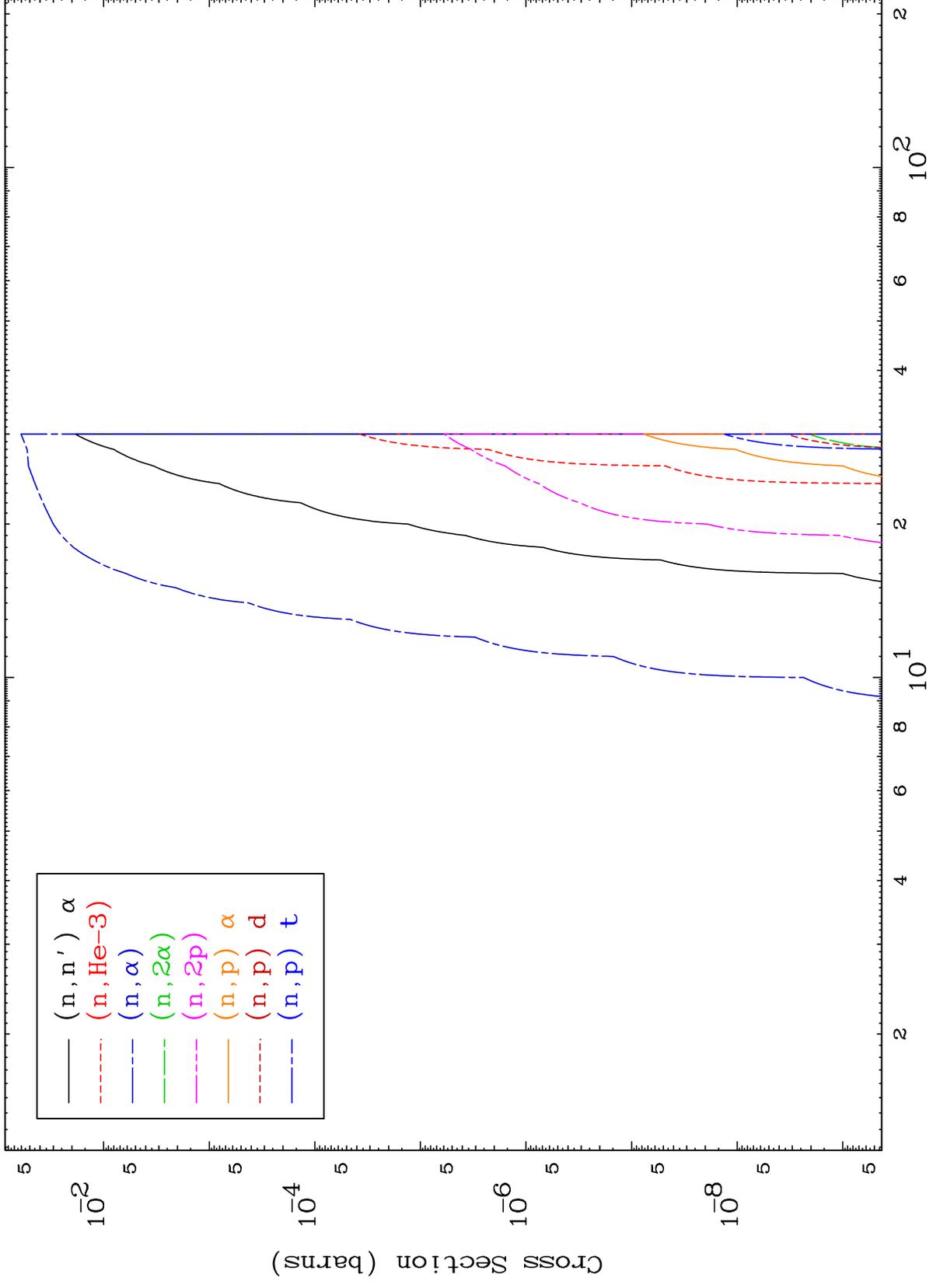




MAT 5043

α Charged Particle
0 Kelvin Cross Sections

50-Sn-118



5

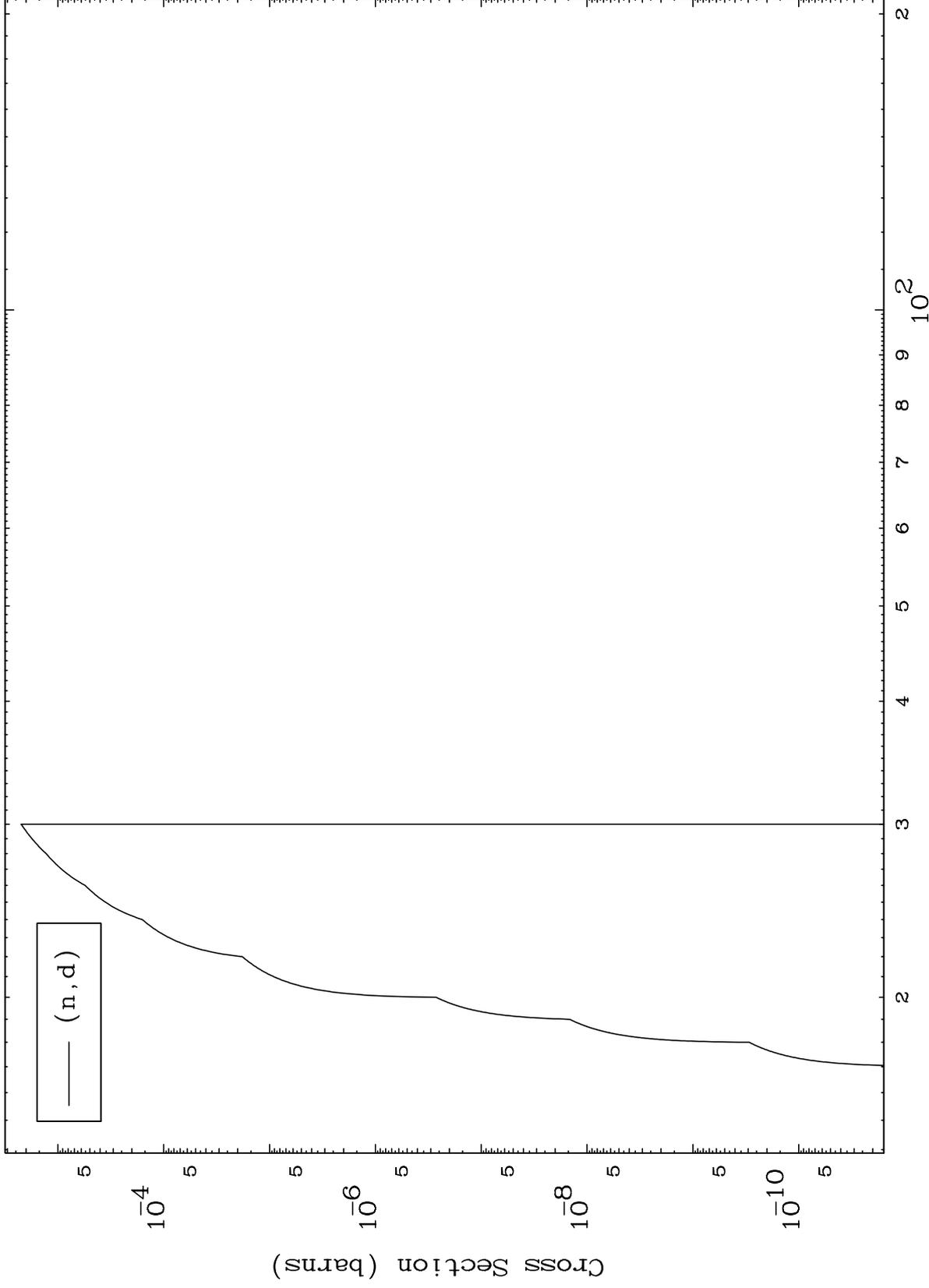
Incident Energy (MeV)

50-Sn-118

MAT 5043

(α, d) Levels
0 Kelvin Cross Sections

50-Sn-118



7

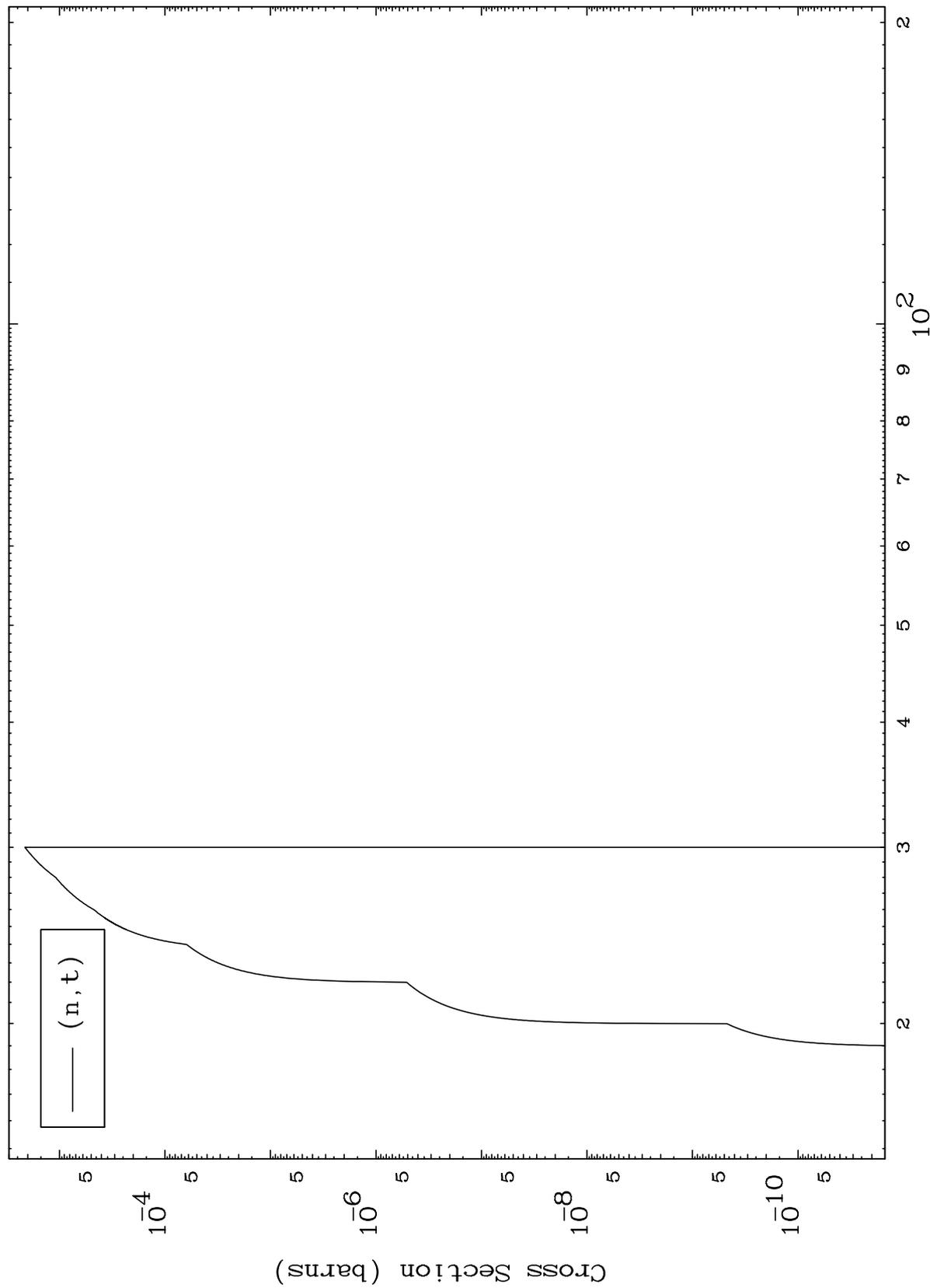
Incident Energy (MeV)

50-Sn-118

MAT 5043

50-Sn-118

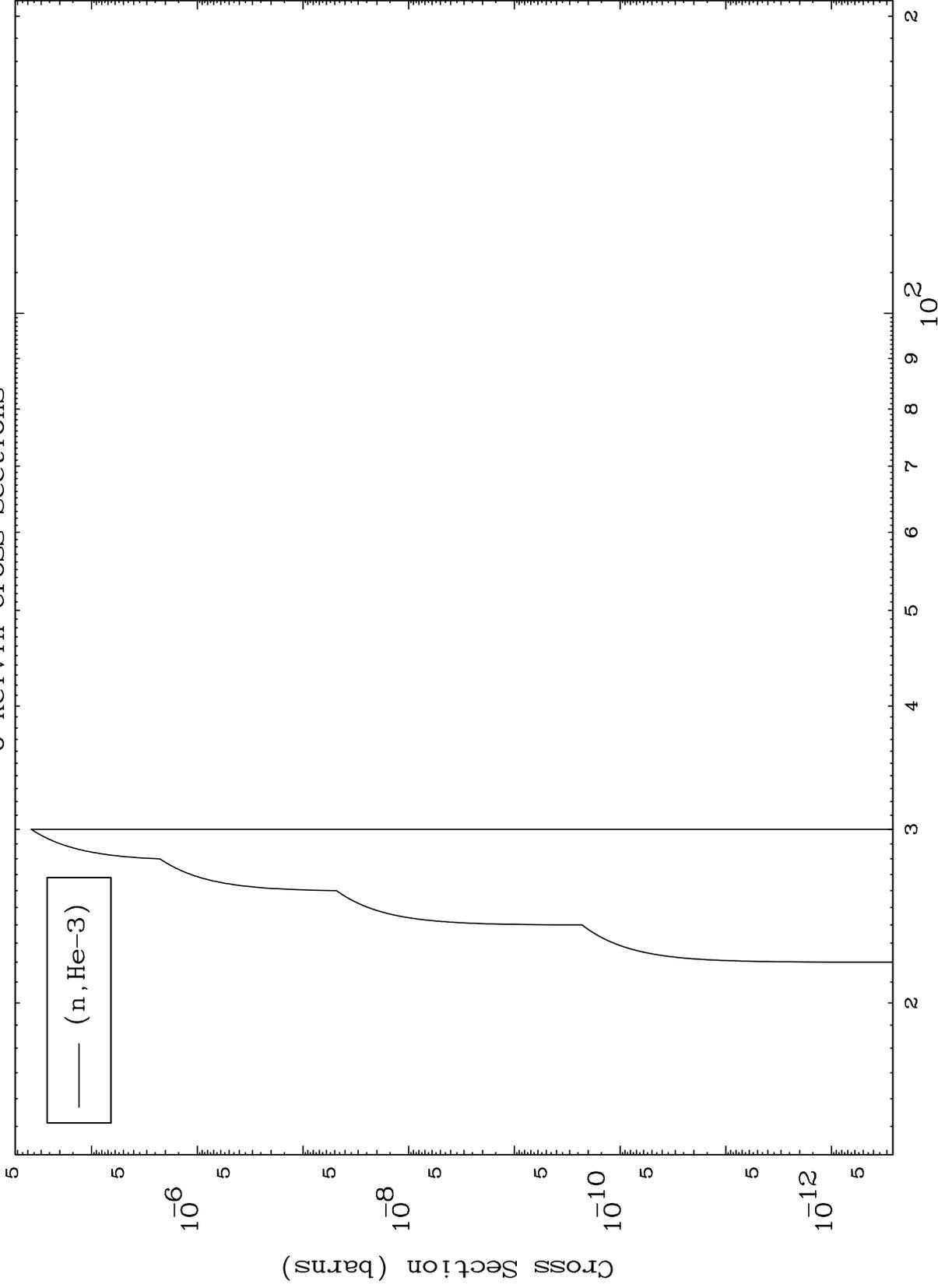
(α, t) Levels
0 Kelvin Cross Sections



8

Incident Energy (MeV)

50-Sn-118

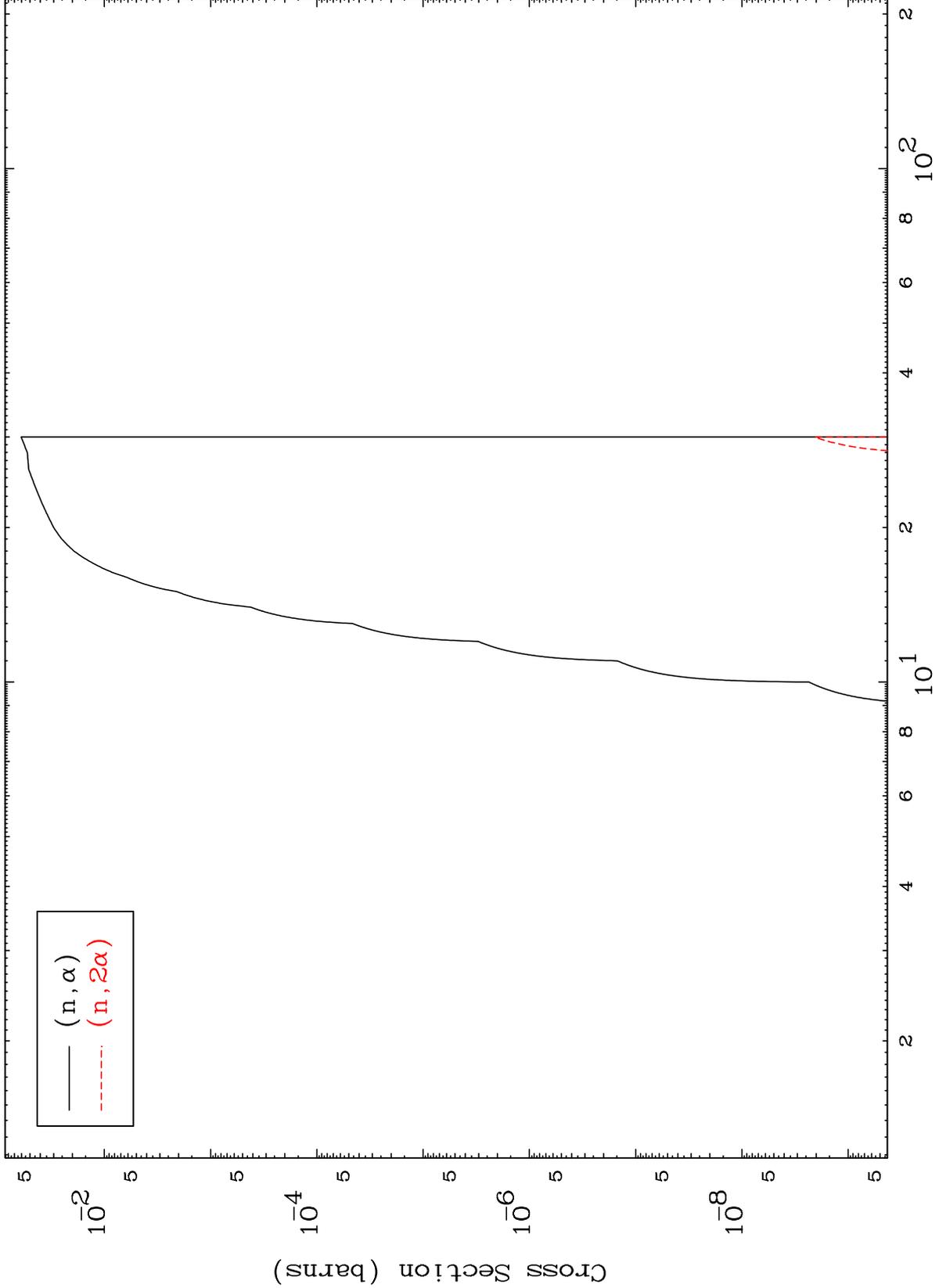


MAT 5043

(α, α) Levels

50-Sn-118

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

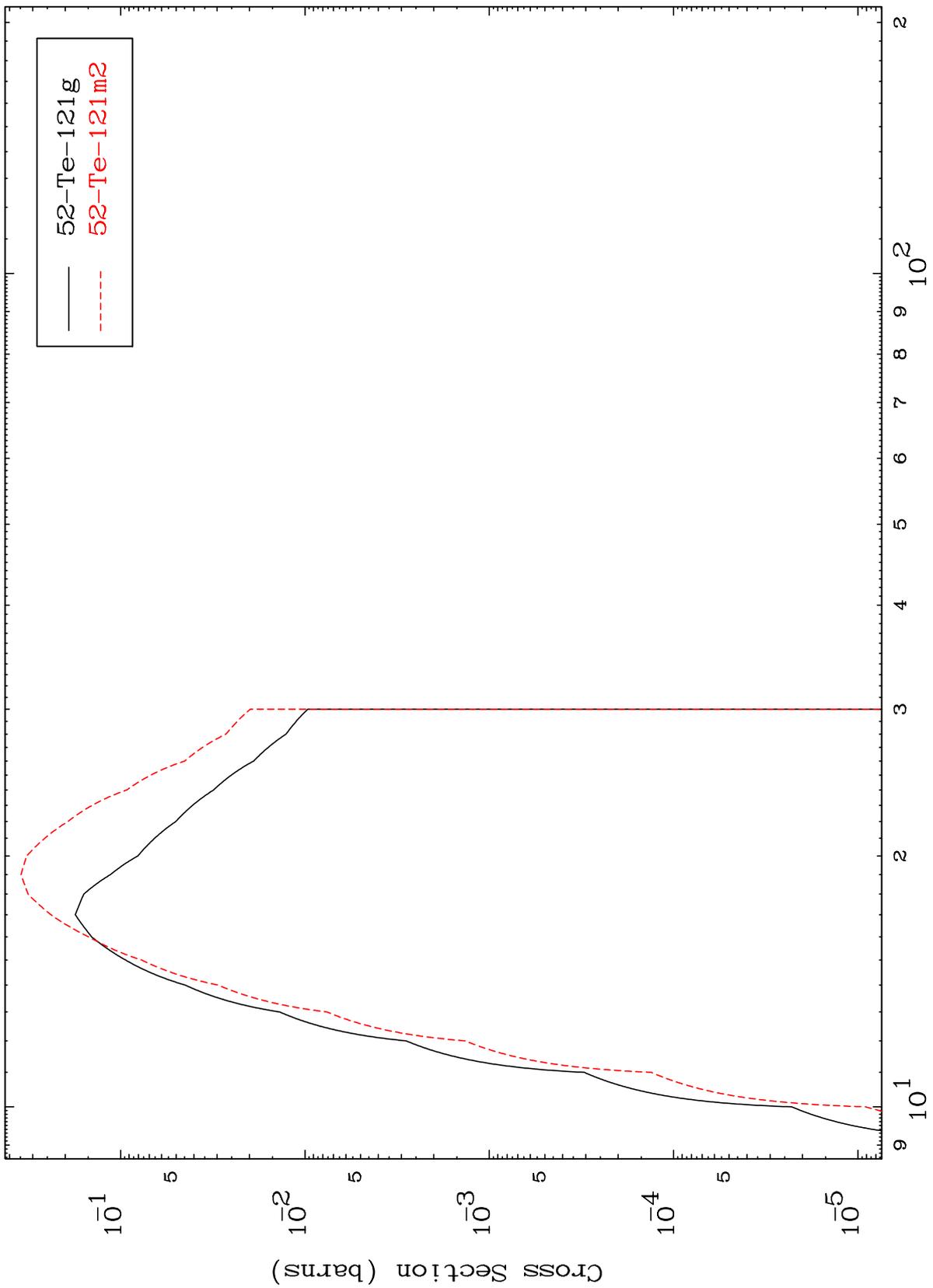
Incident Energy (MeV)

50-Sn-118

MAT 5043

50-Sn-118

Inelastic
Radionuclide Production Cross Section



50-Sn-118

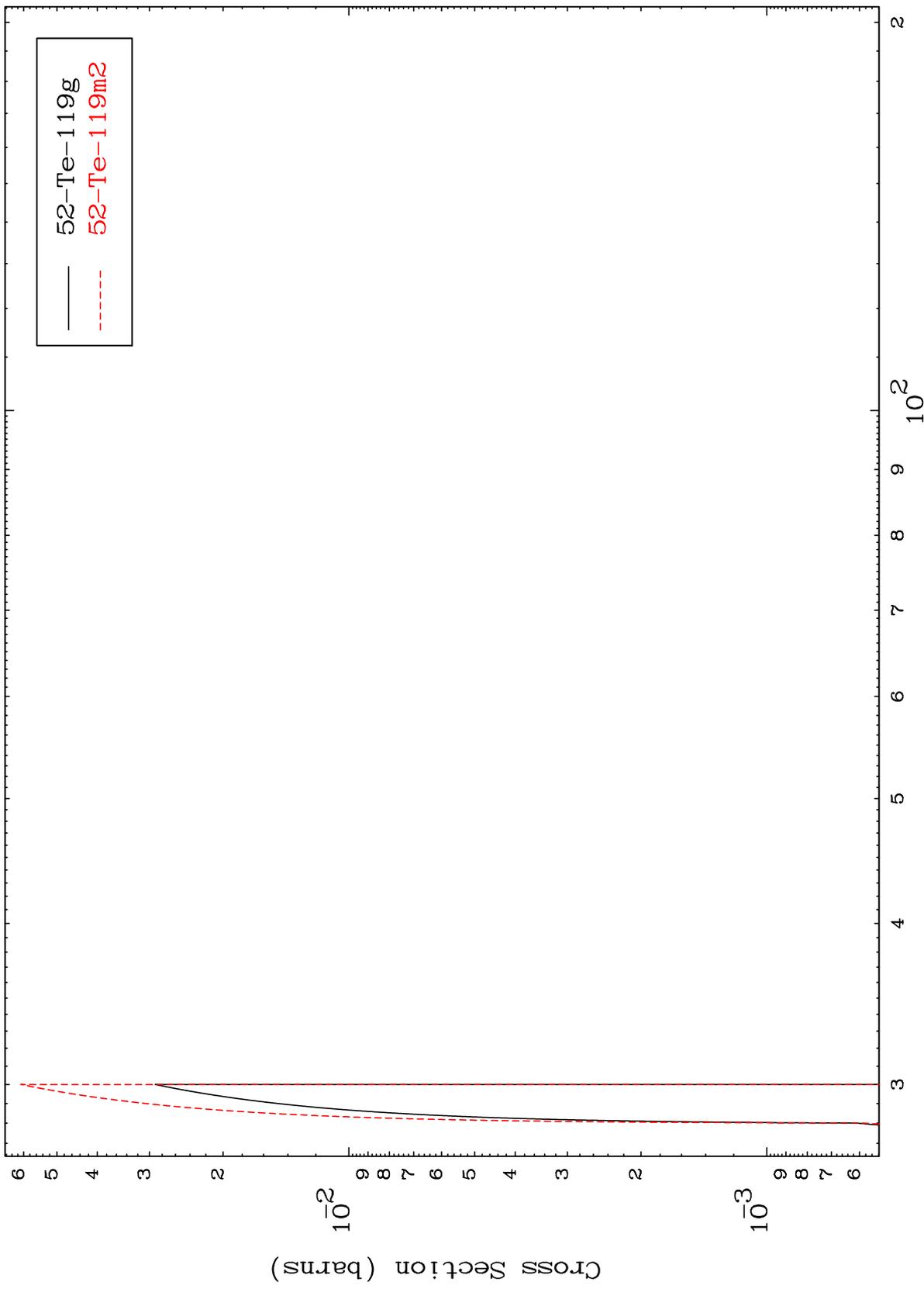
Incident Energy (MeV)

11

MAT 5043

50-Sn-118

(n,3n)
Radionuclide Production Cross Section



50-Sn-118

Incident Energy (MeV)

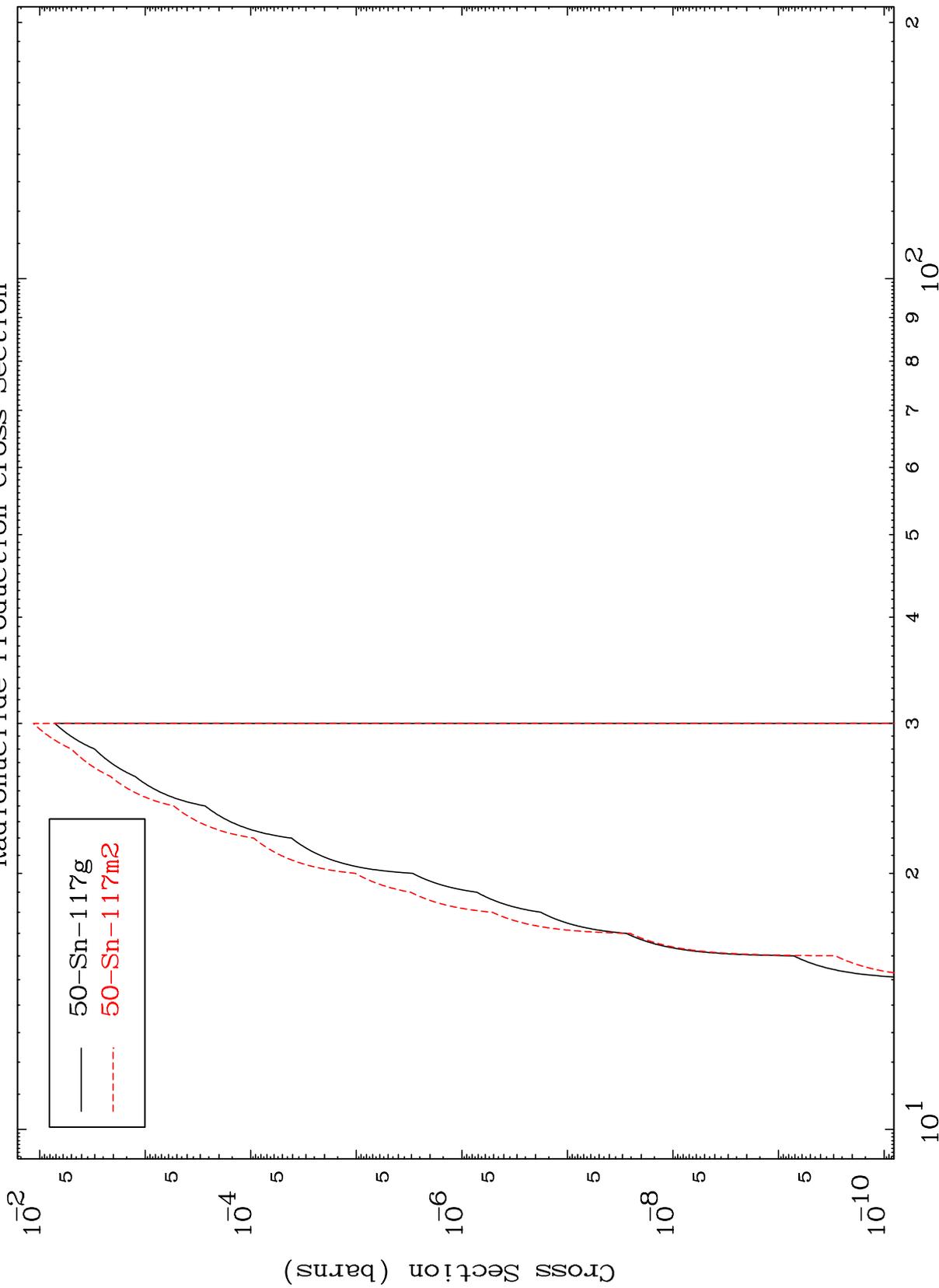
12

MAT 5043

$(n, n') \alpha$

50-Sn-118

Radionuclide Production Cross Section



Incident Energy (MeV)

50-Sn-118

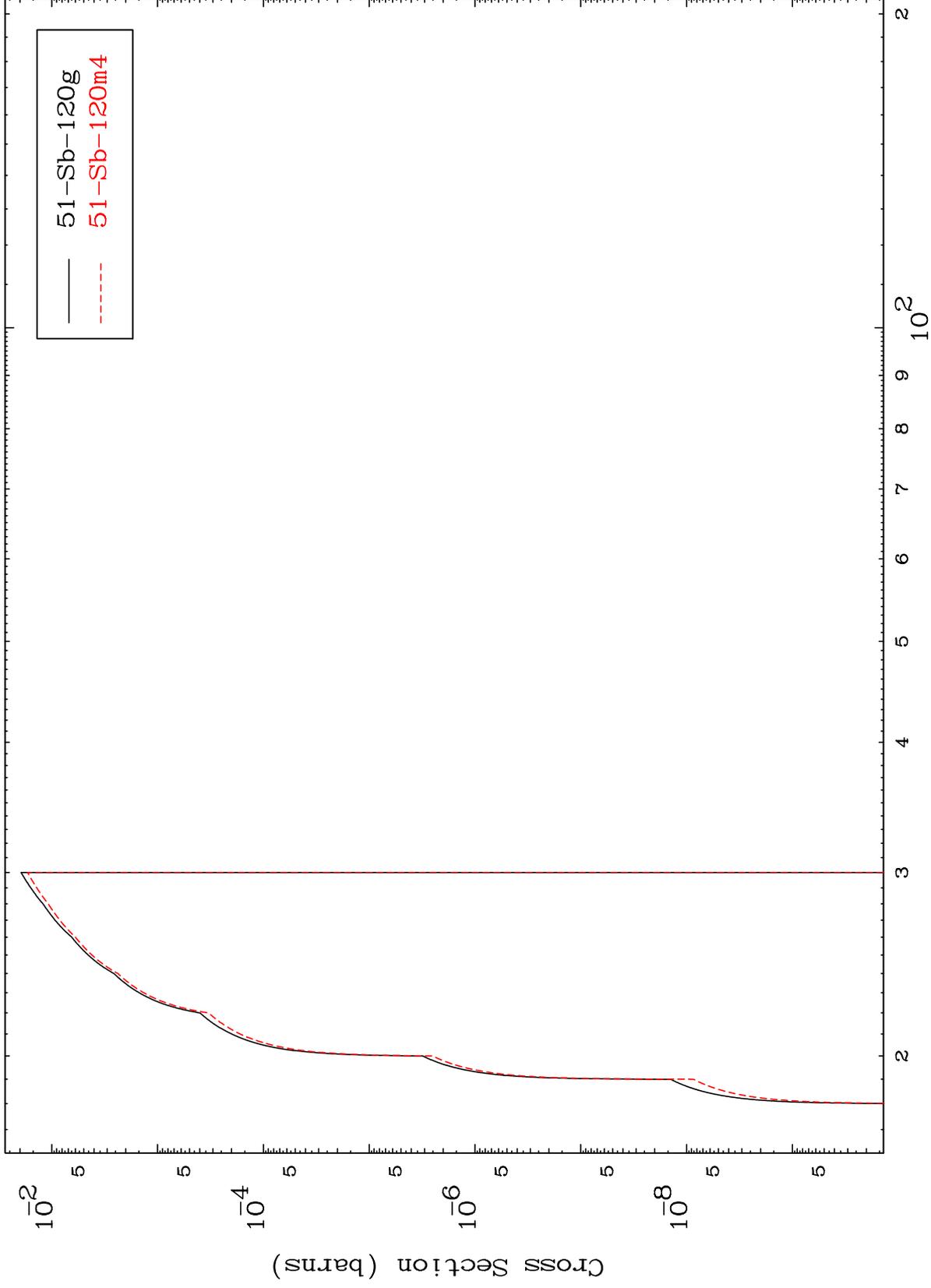
13

MAT 5043

(n, n') p

50-Sn-118

Radionuclide Production Cross Section



14

Incident Energy (MeV)

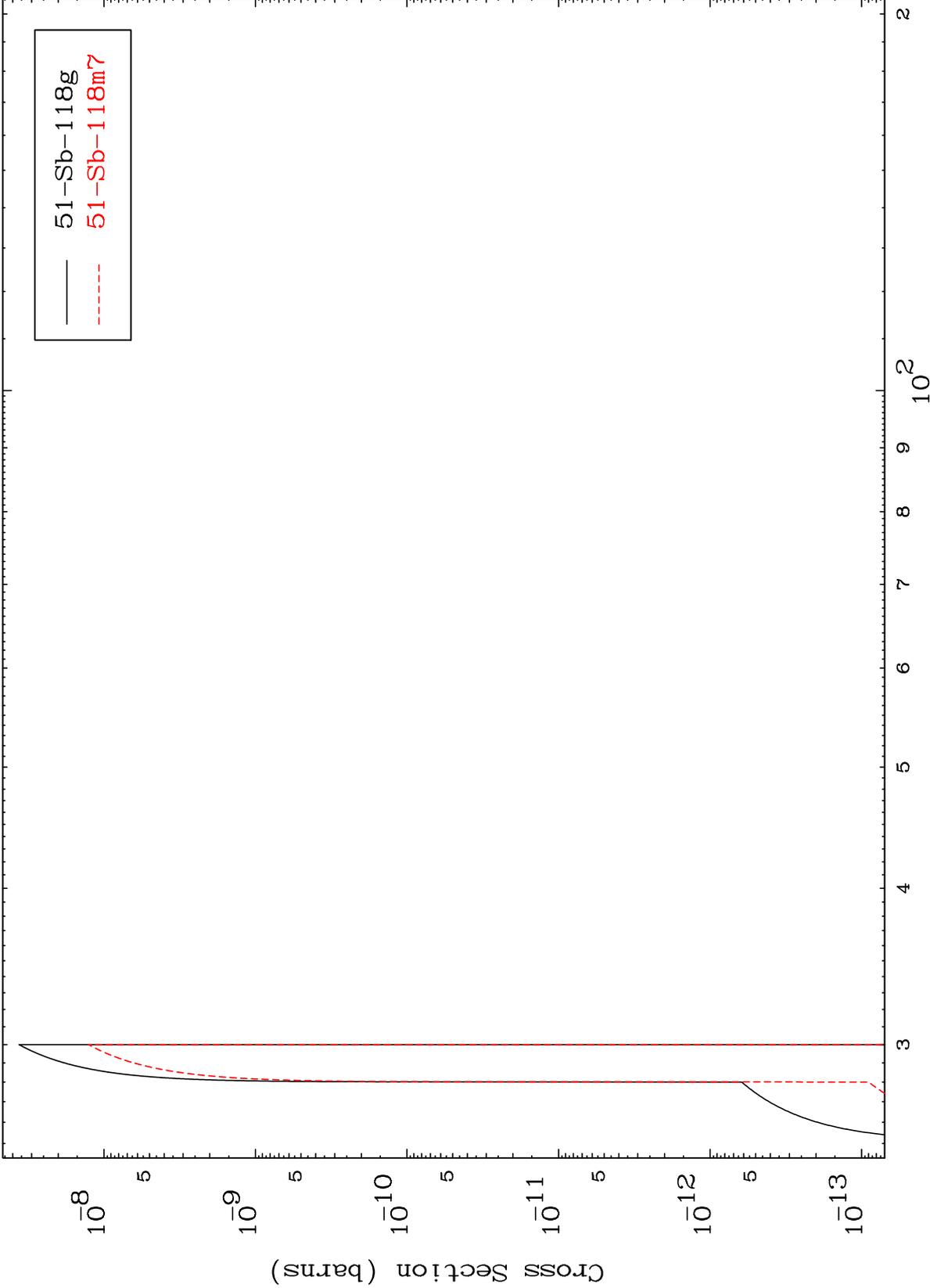
50-Sn-118

MAT 5043

(n,n') t

50-Sn-118

Radionuclide Production Cross Section



51-Sb-118g
51-Sb-118m7

15

Incident Energy (MeV)

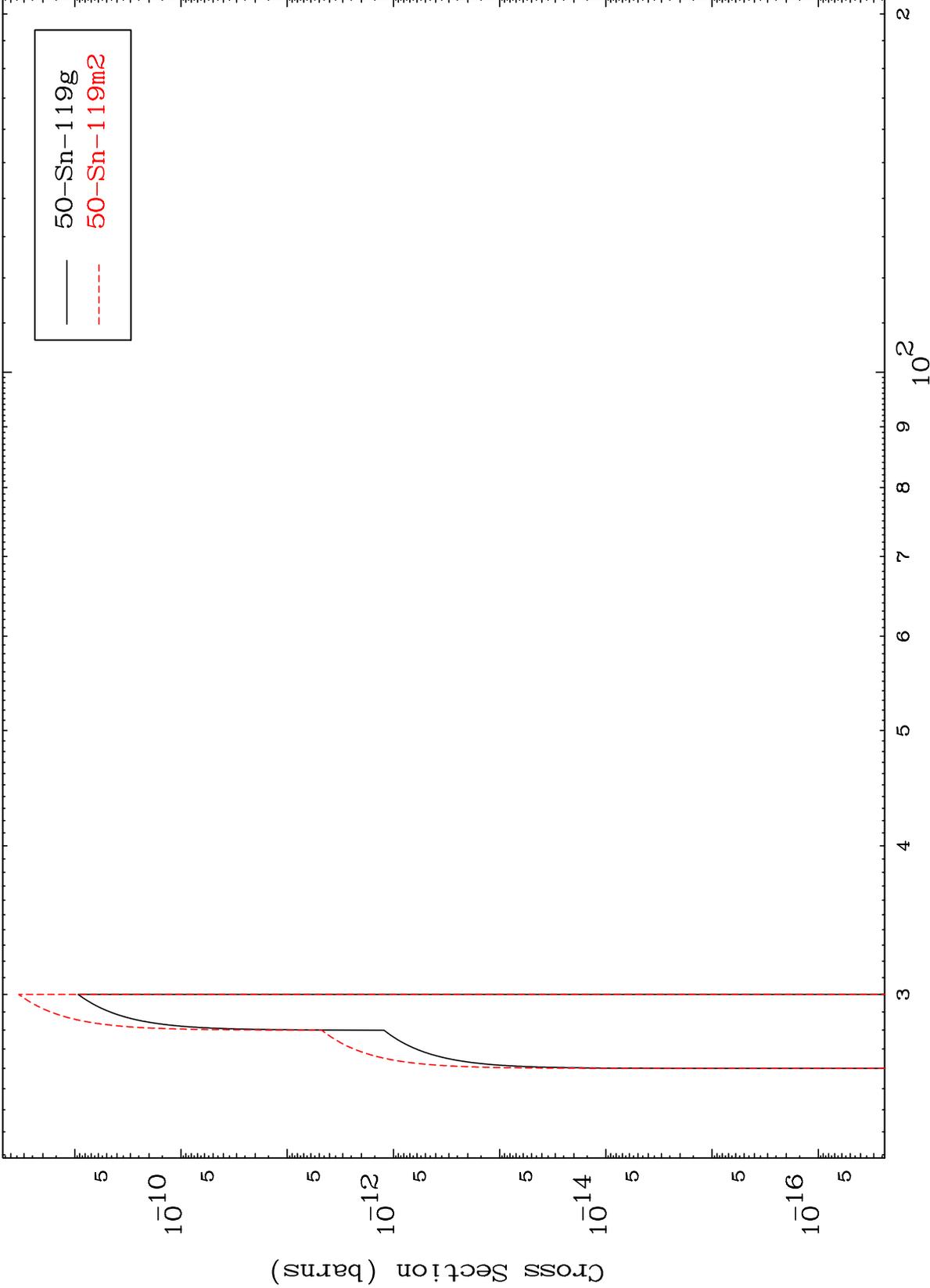
50-Sn-118

MAT 5043

(n,2n) p

50-Sn-118

Radionuclide Production Cross Section



50-Sn-119g
50-Sn-119m2

16

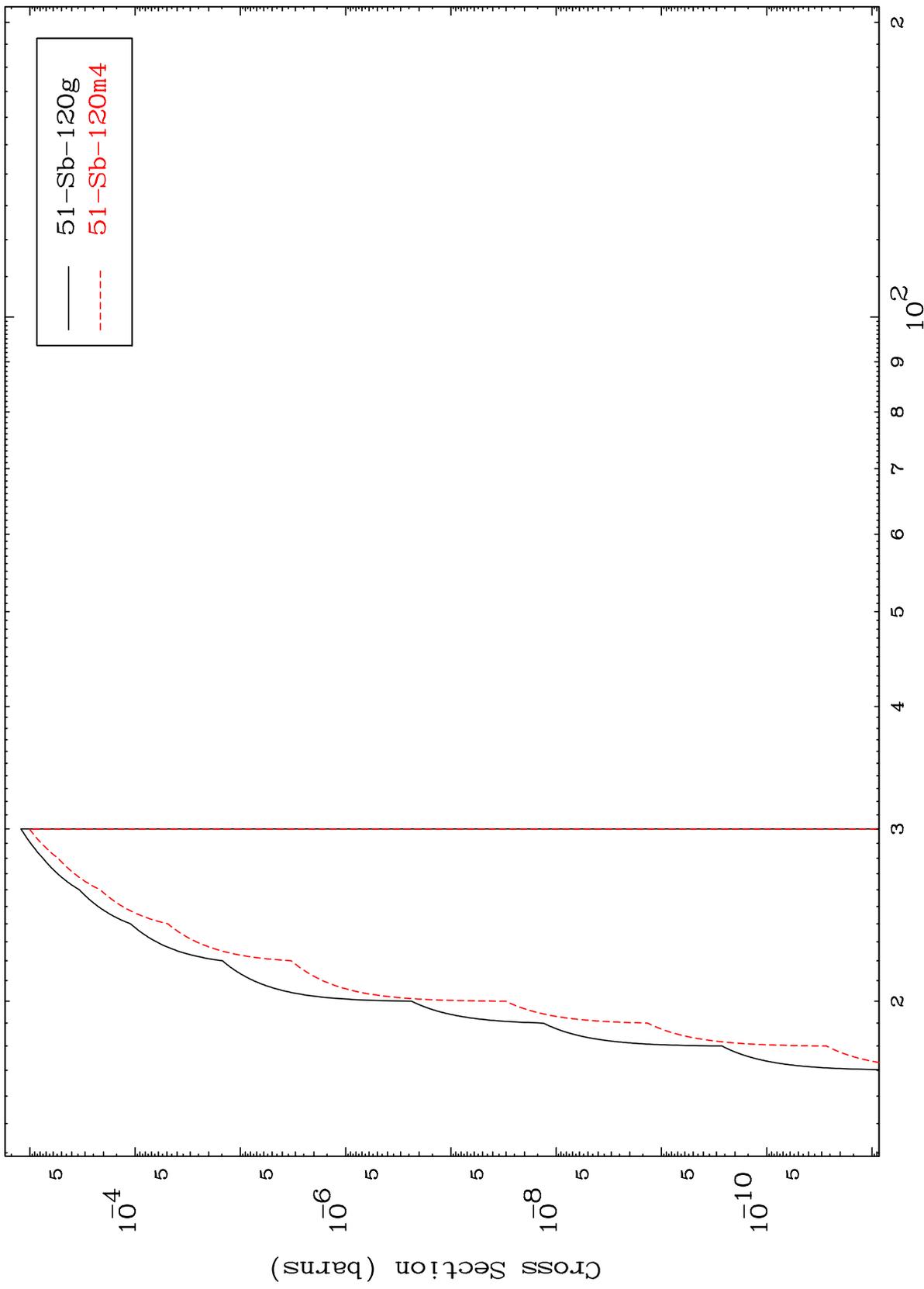
Incident Energy (MeV)

50-Sn-118

MAT 5043

50-Sn-118

(n,d)
Radionuclide Production Cross Section



50-Sn-118

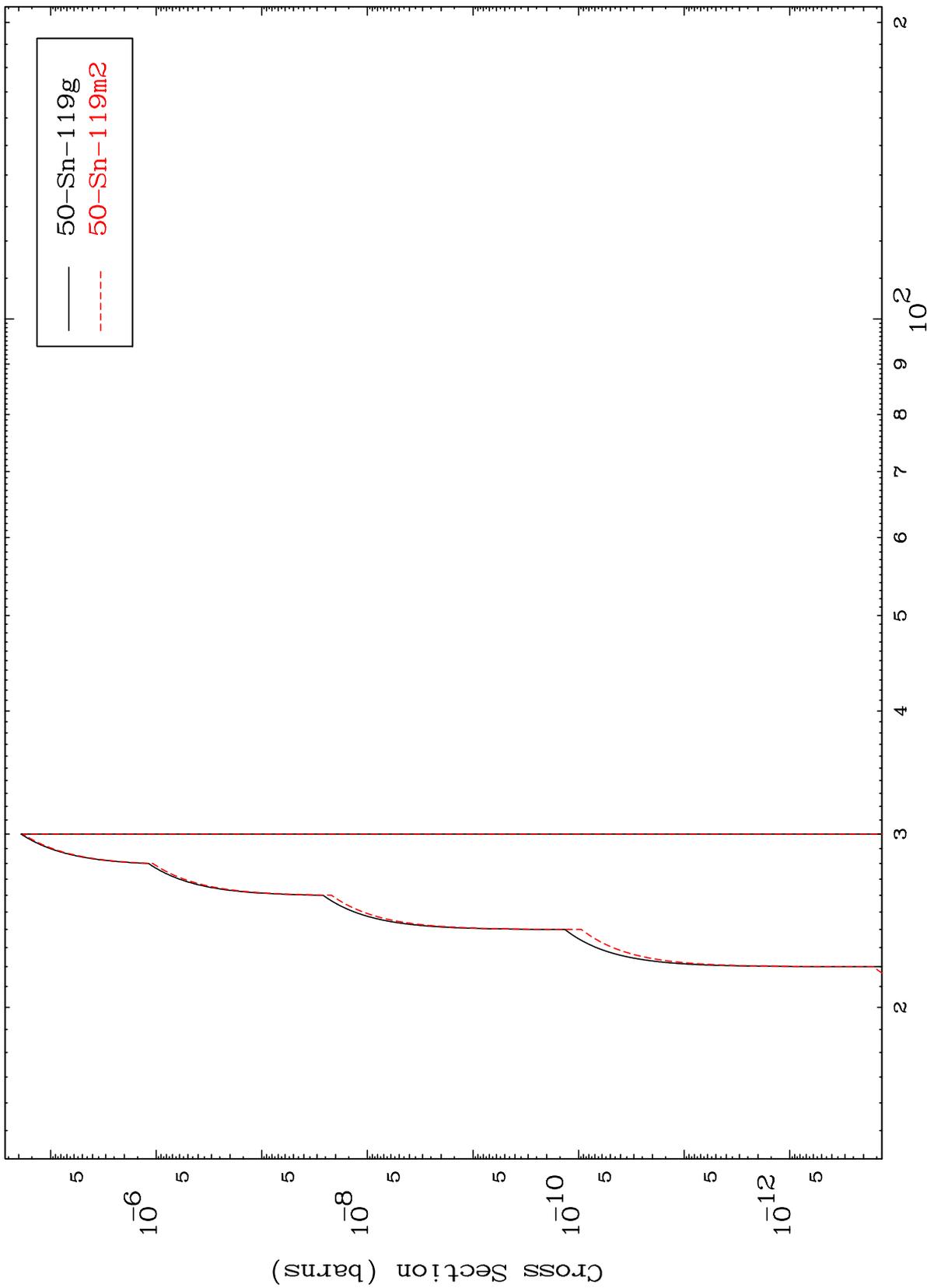
Incident Energy (MeV)

17

MAT 5043

50-Sn-118

(n,He-3)
Radionuclide Production Cross Section



18

50-Sn-118

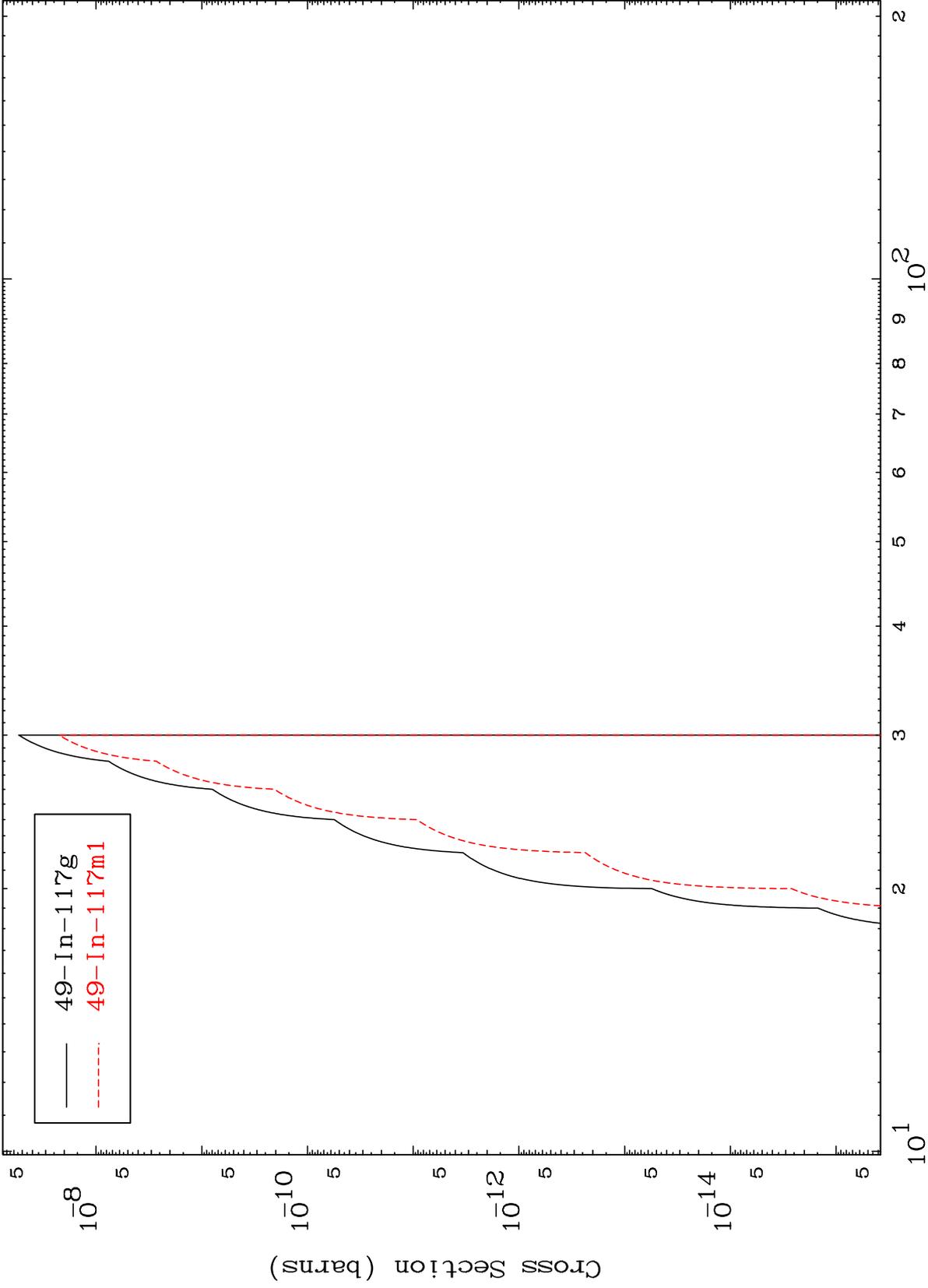
Incident Energy (MeV)

MAT 5043

(n,p) α

50-Sn-118

Radionuclide Production Cross Section



19

Incident Energy (MeV)

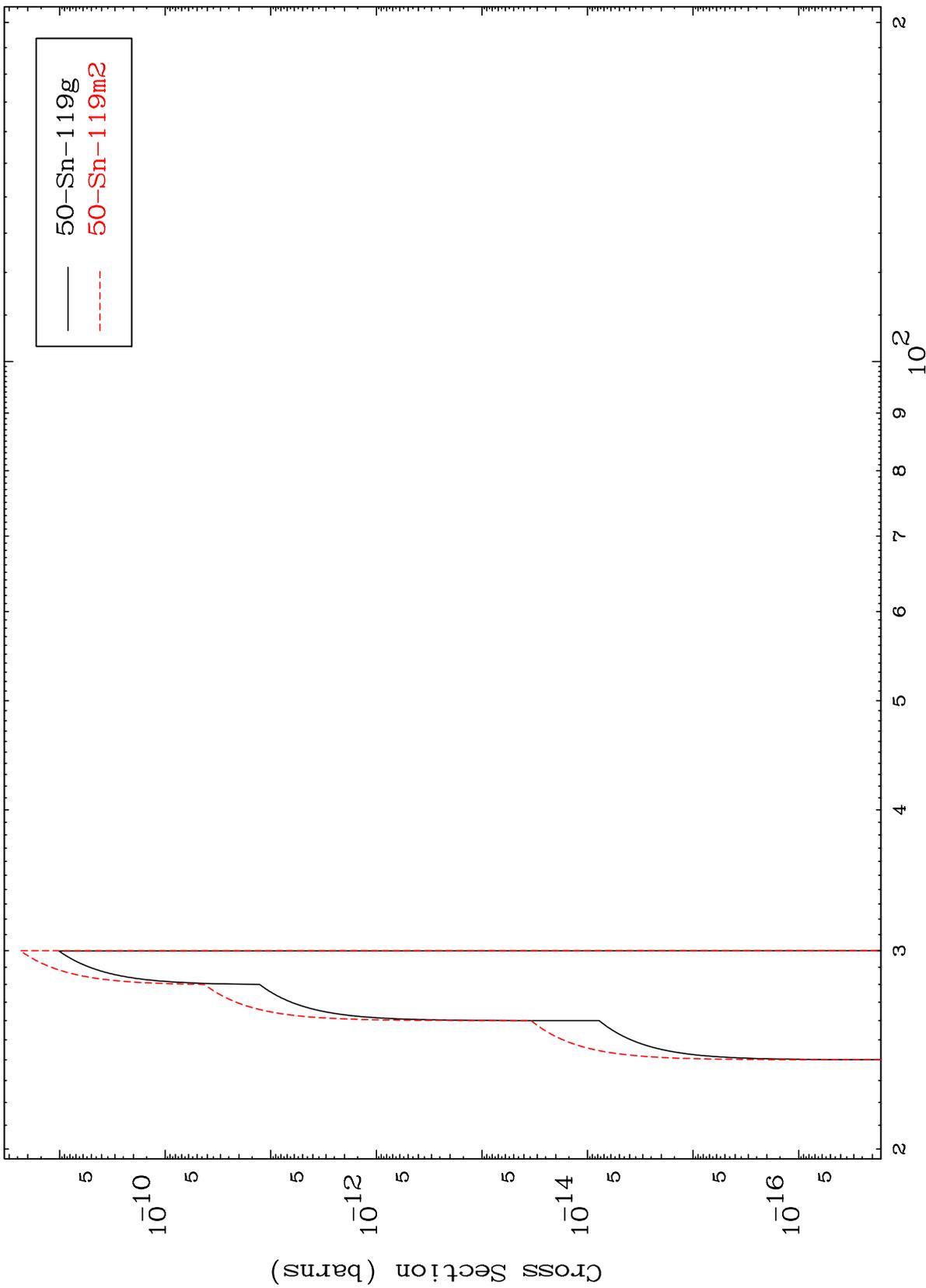
50-Sn-118

MAT 5043

(n,p) d

50-Sn-118

Radionuclide Production Cross Section



20

Incident Energy (MeV)

50-Sn-118