

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

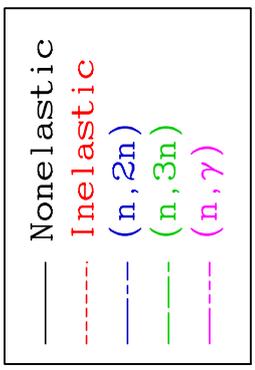
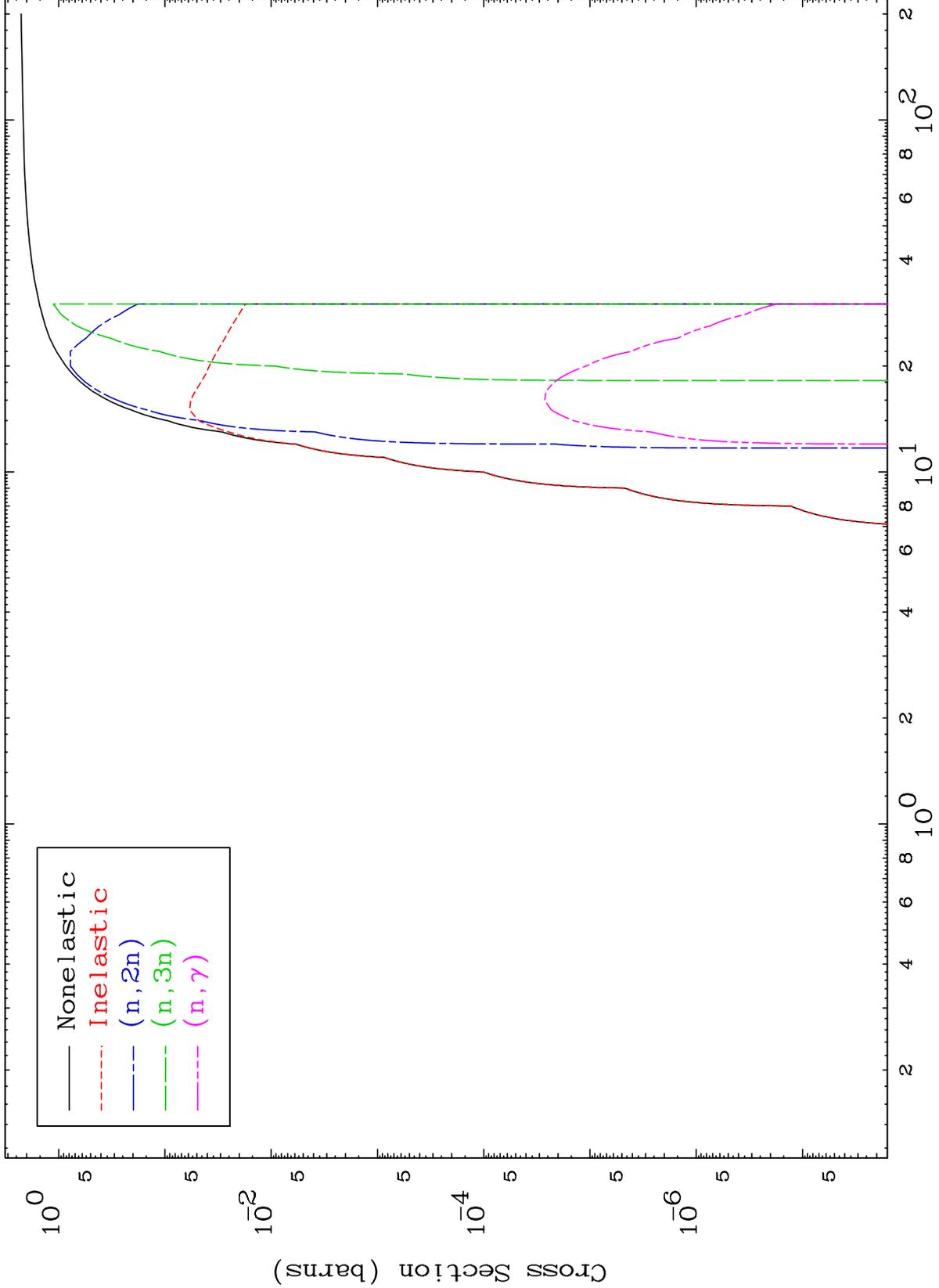
Press Mouse Button to Start

MAT 5064

α Major

50-Sn-125

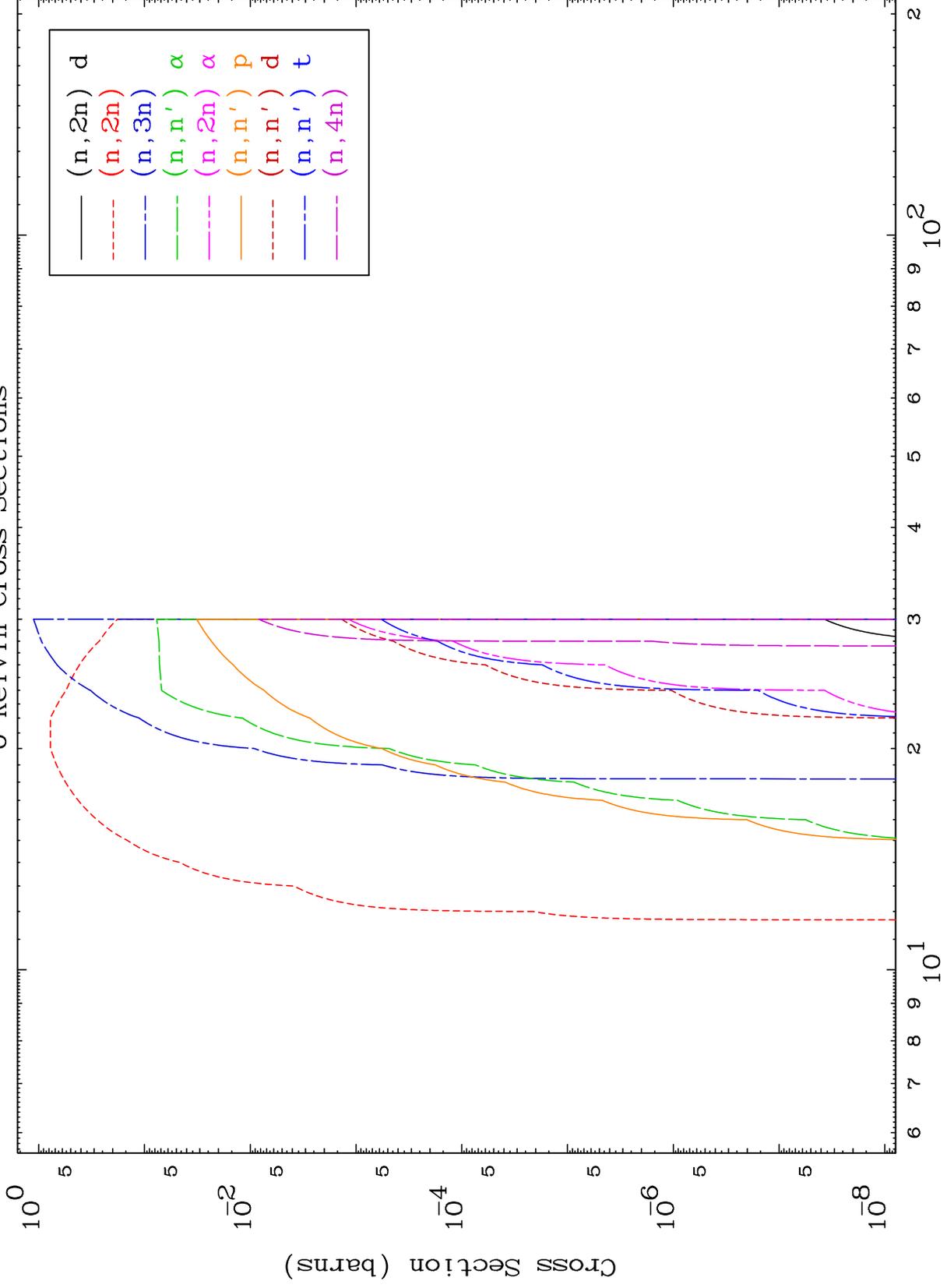
0 Kelvin Cross Sections



MAT 5064

α Neutron Absorption
0 Kelvin Cross Sections

50-Sn-125



2

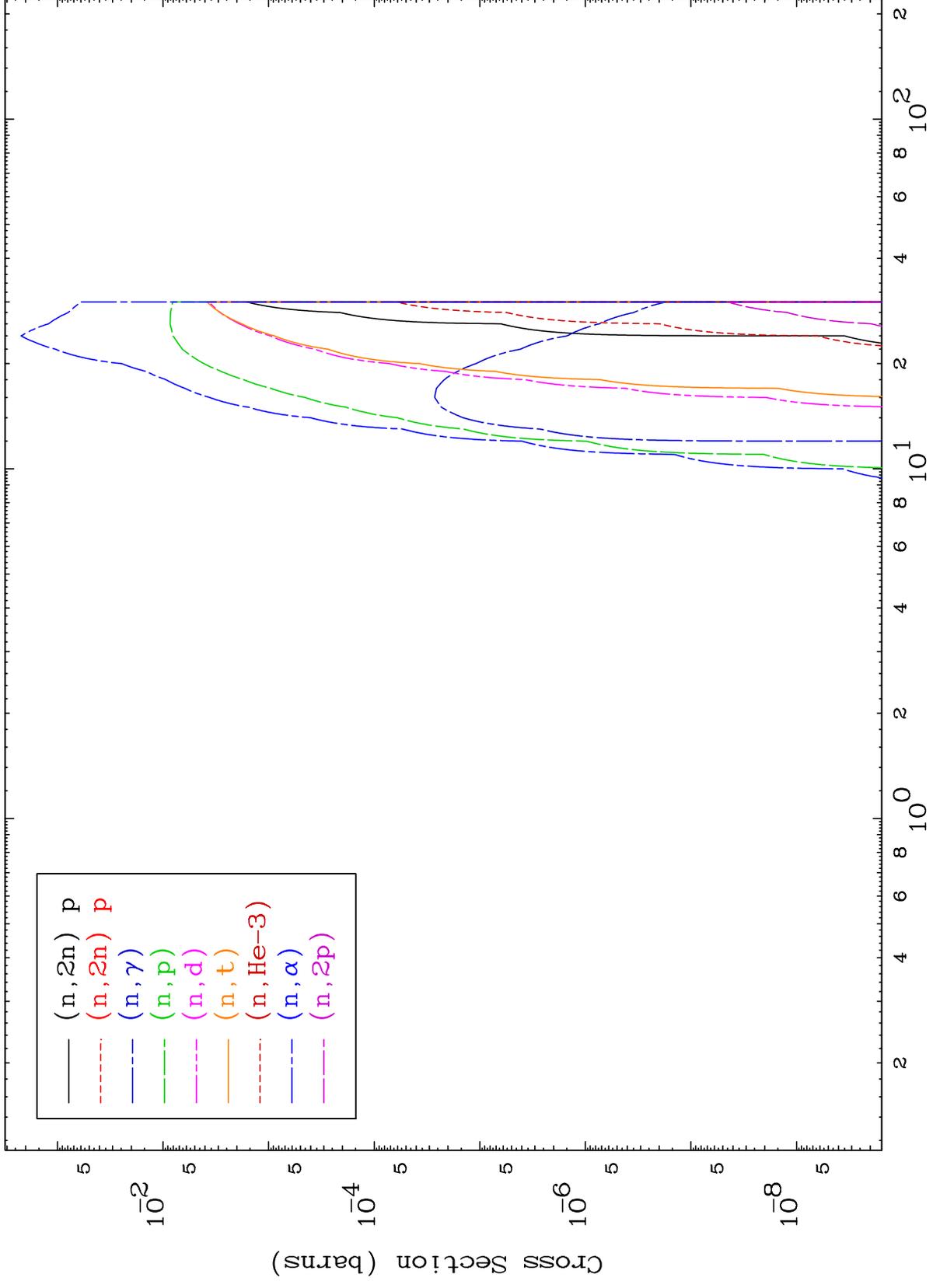
Incident Energy (MeV)

50-Sn-125

MAT 5064

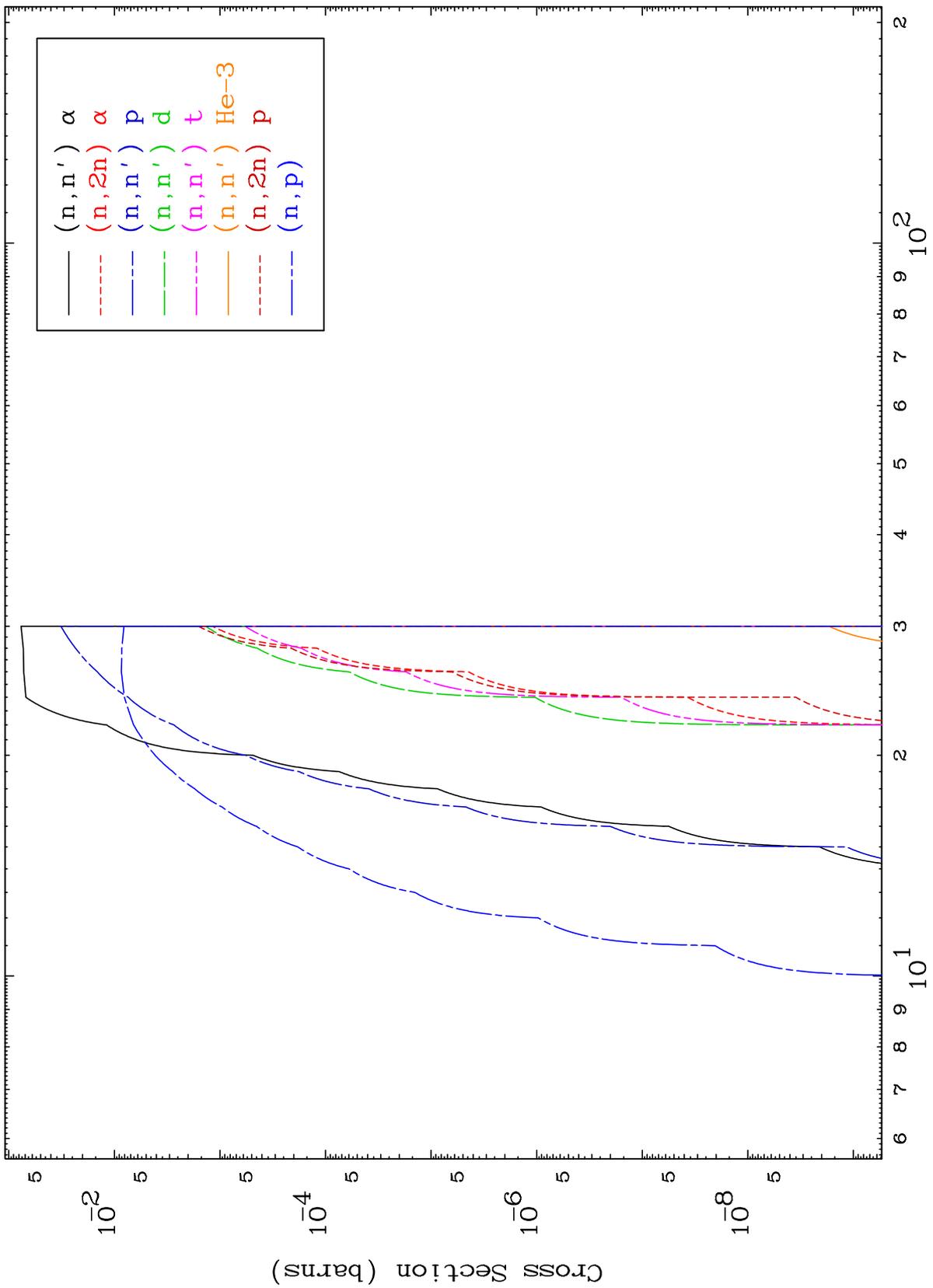
α Neutron Absorption
0 Kelvin Cross Sections

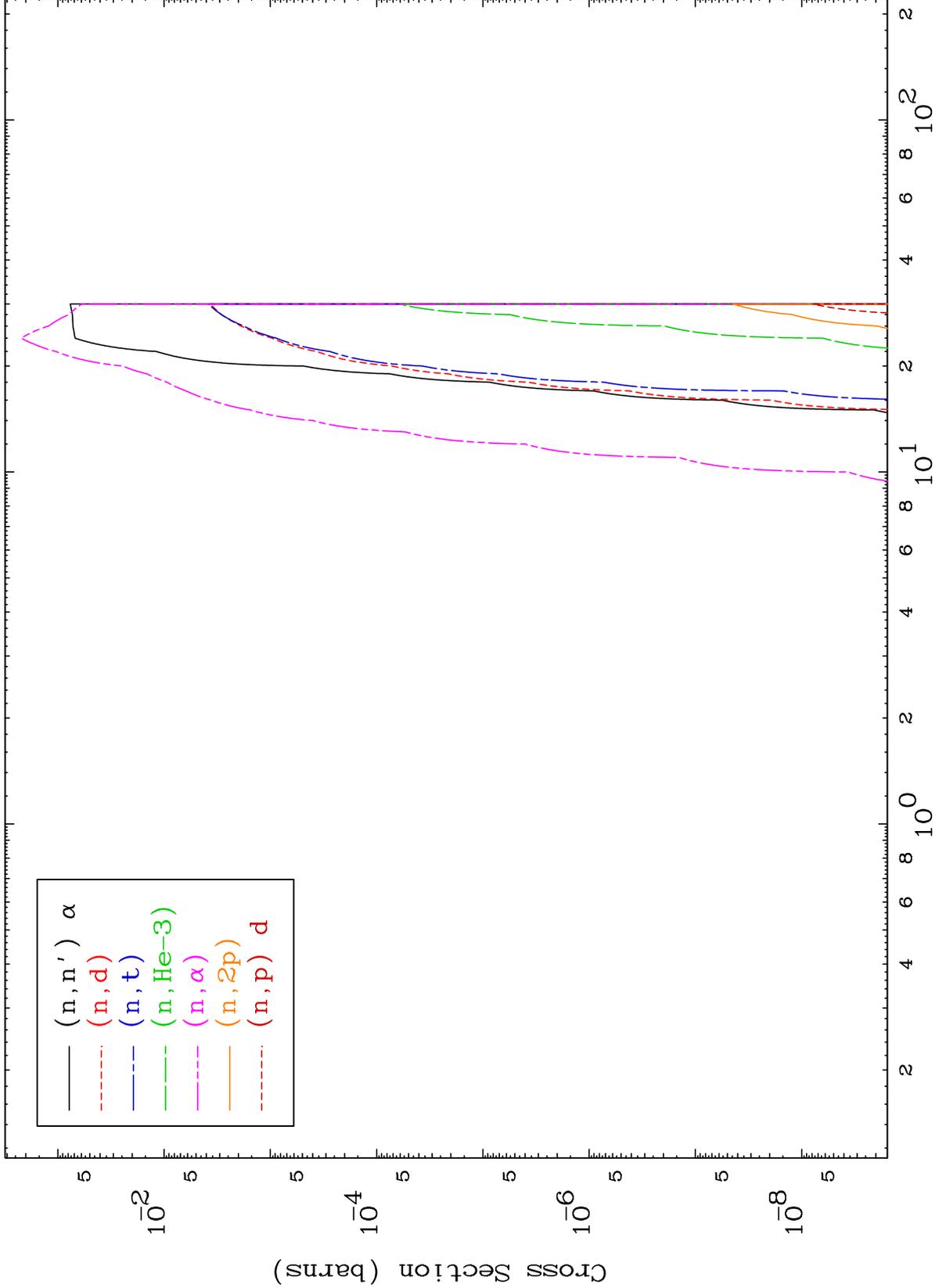
50-Sn-125



50-Sn-125

Incident Energy (MeV)

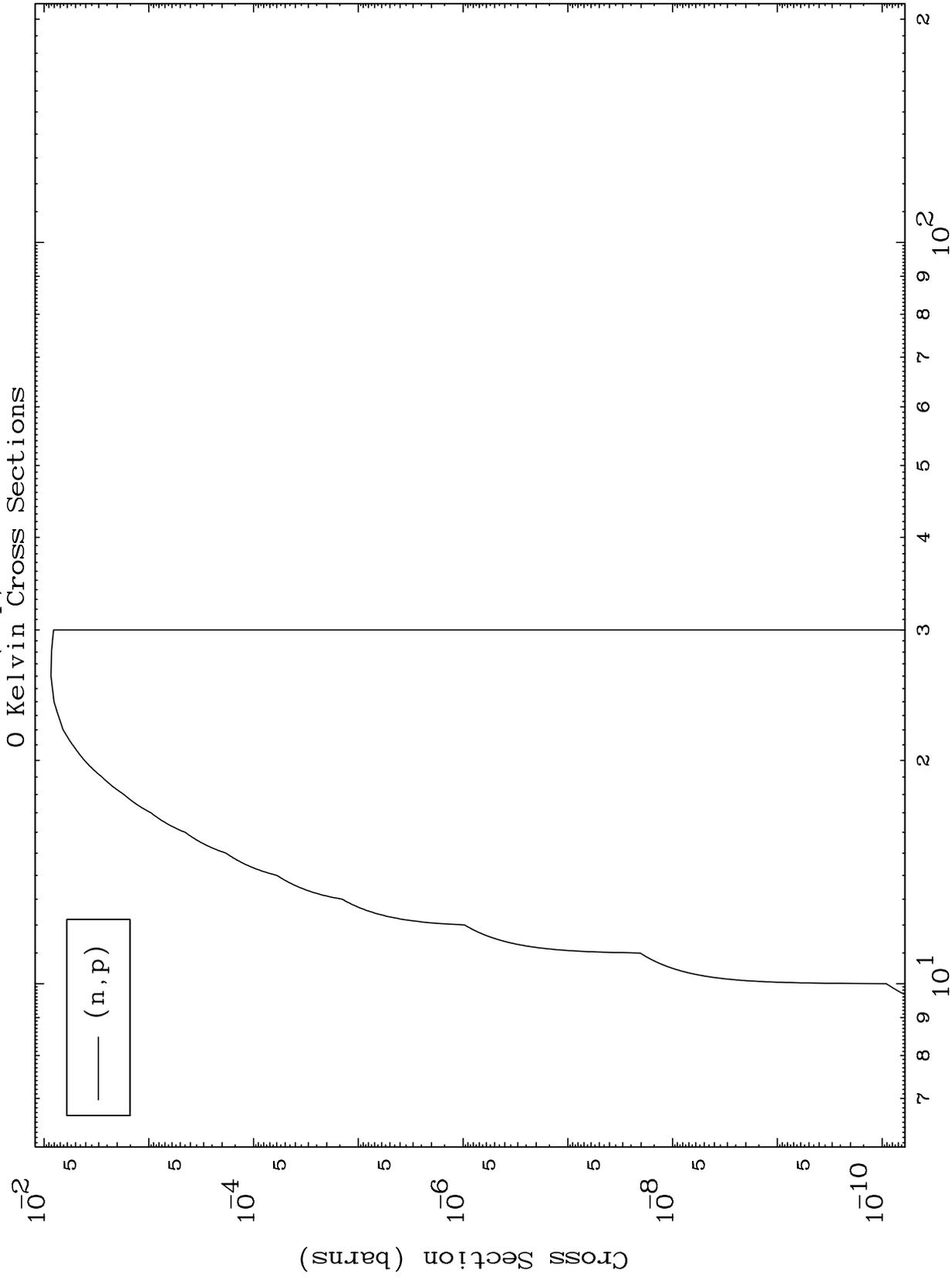




MAT 5064

(α, p) Levels

50-Sn-125



6

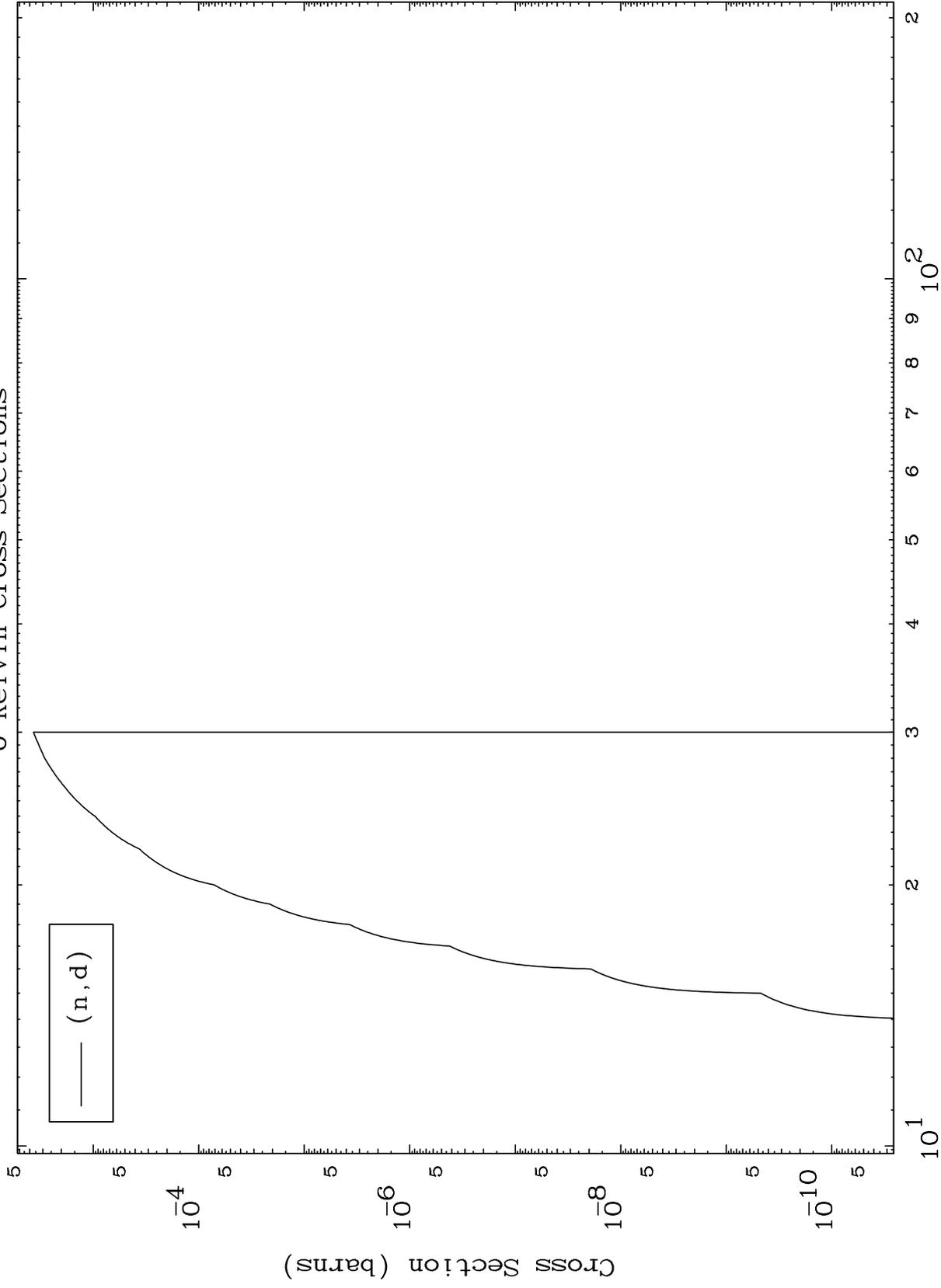
Incident Energy (MeV)

50-Sn-125

MAT 5064

(α, d) Levels
0 Kelvin Cross Sections

50-Sn-125



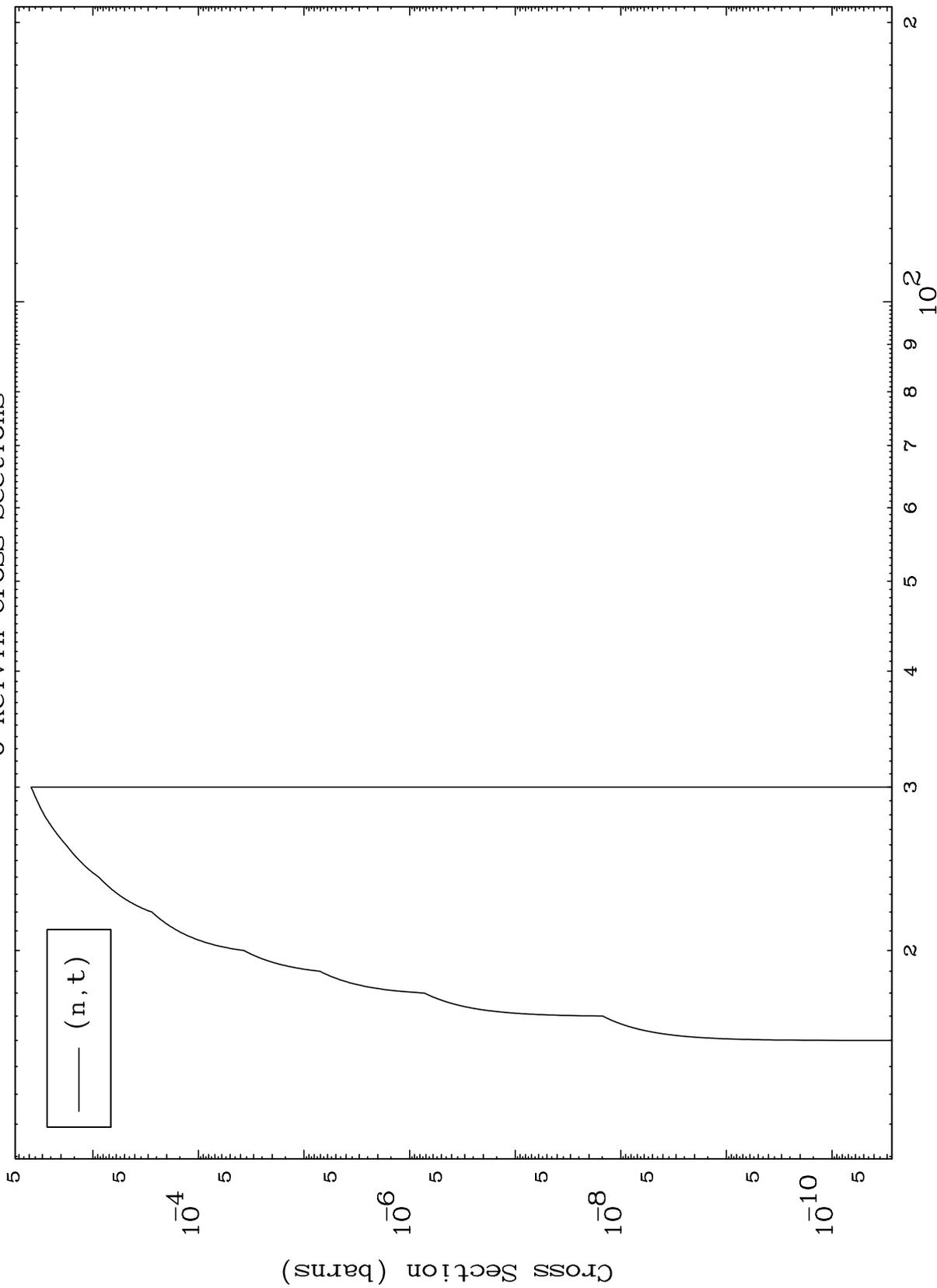
Incident Energy (MeV)

50-Sn-125

MAT 5064

50-Sn-125

(α, t) Levels
0 Kelvin Cross Sections



50-Sn-125

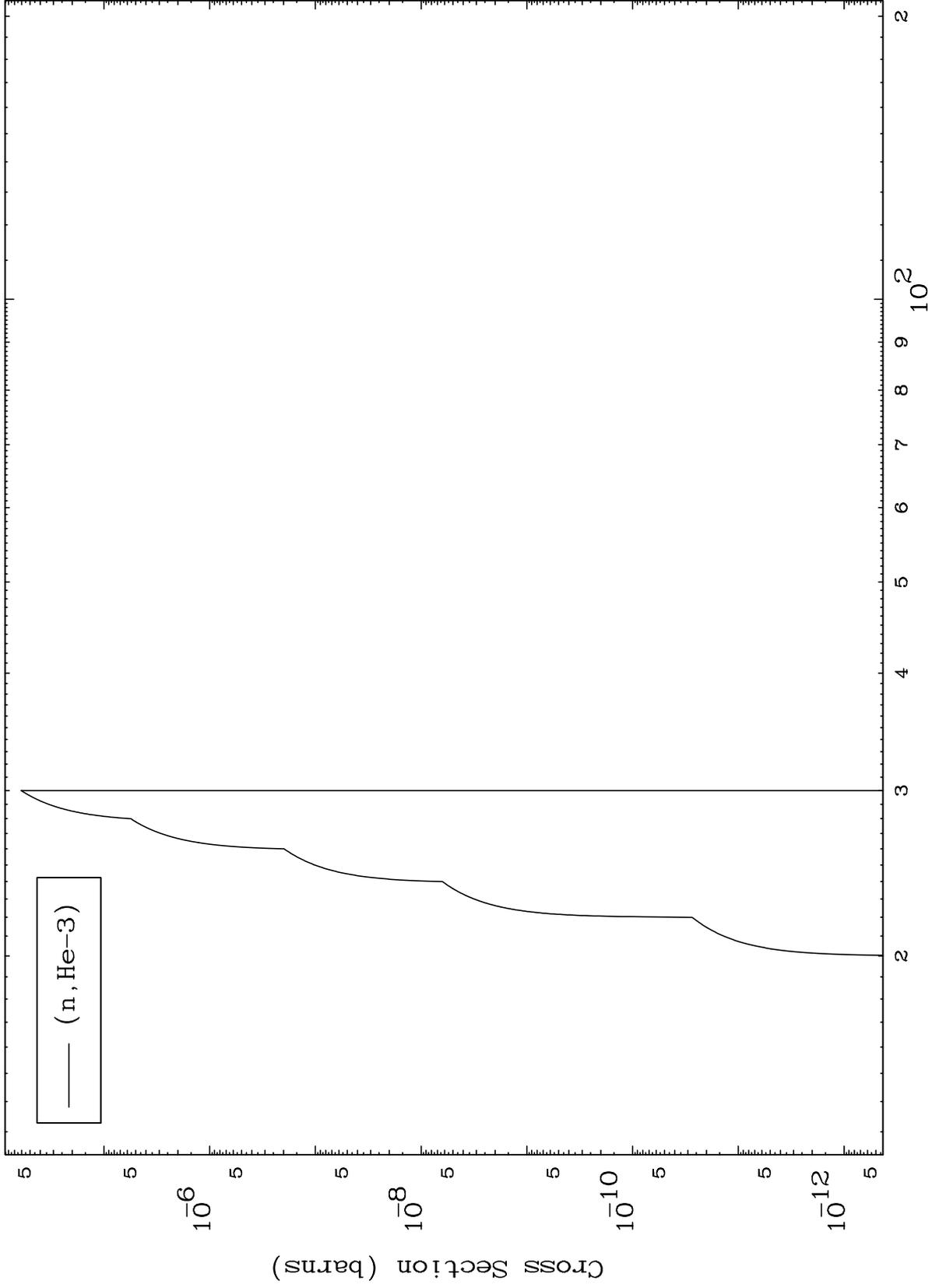
Incident Energy (MeV)

8

MAT 5064

($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections

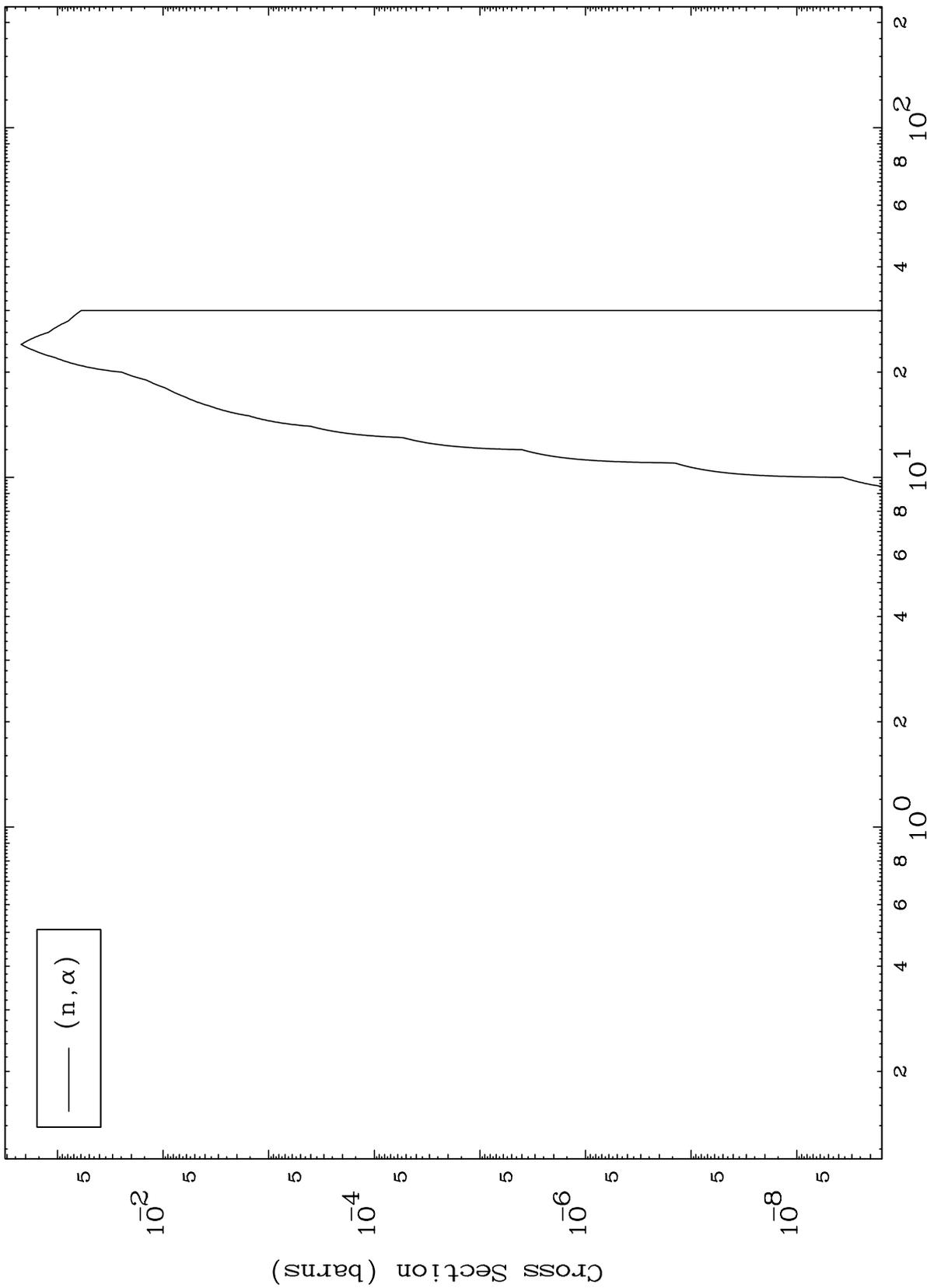
50-Sn-125



MAT 5064

50-Sn-125

(α, α) Levels
0 Kelvin Cross Sections



50-Sn-125

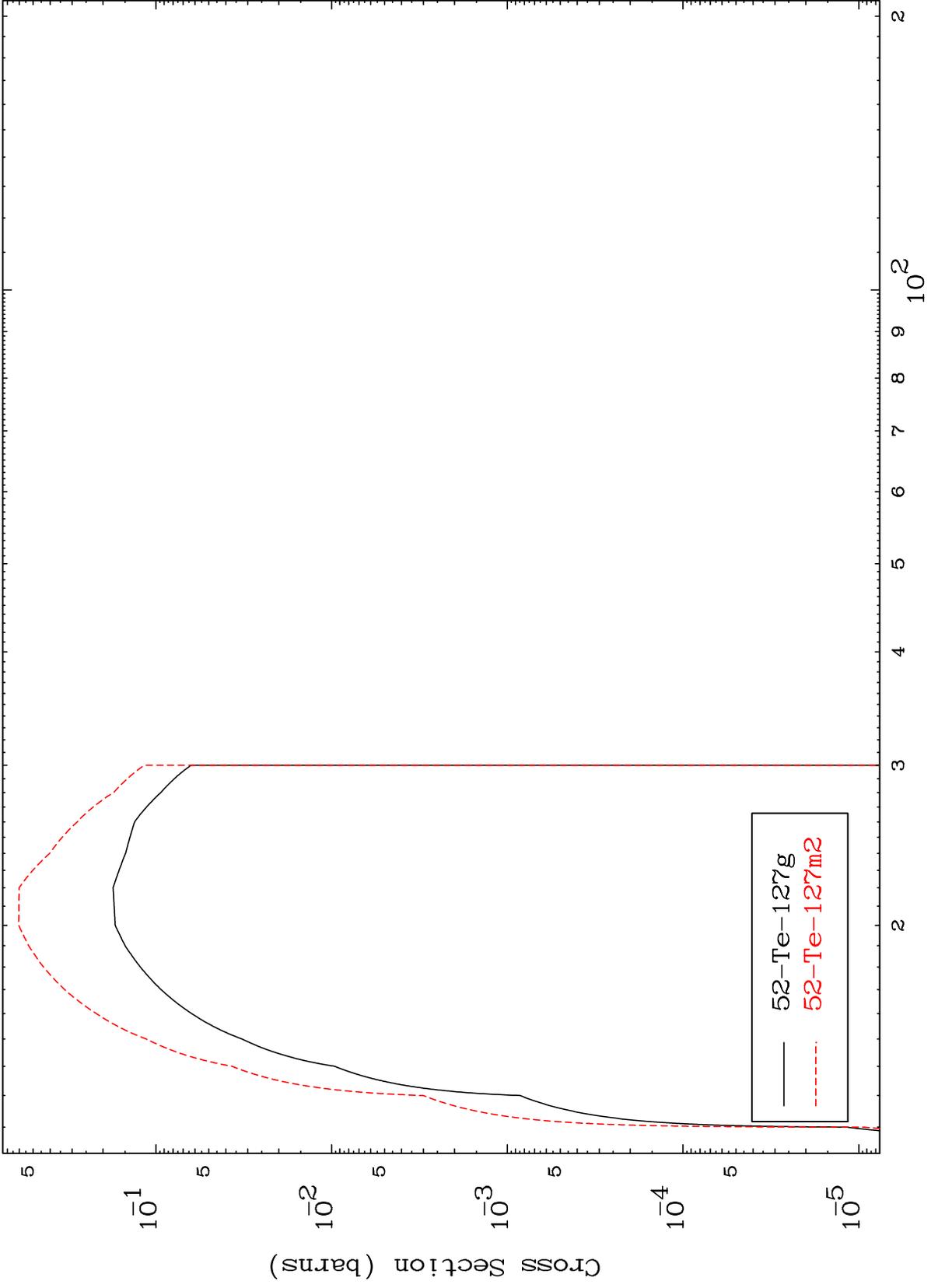
Incident Energy (MeV)

10

MAT 5064

50-Sn-125

(n,2n)
Radionuclide Production Cross Section



11

Incident Energy (MeV)

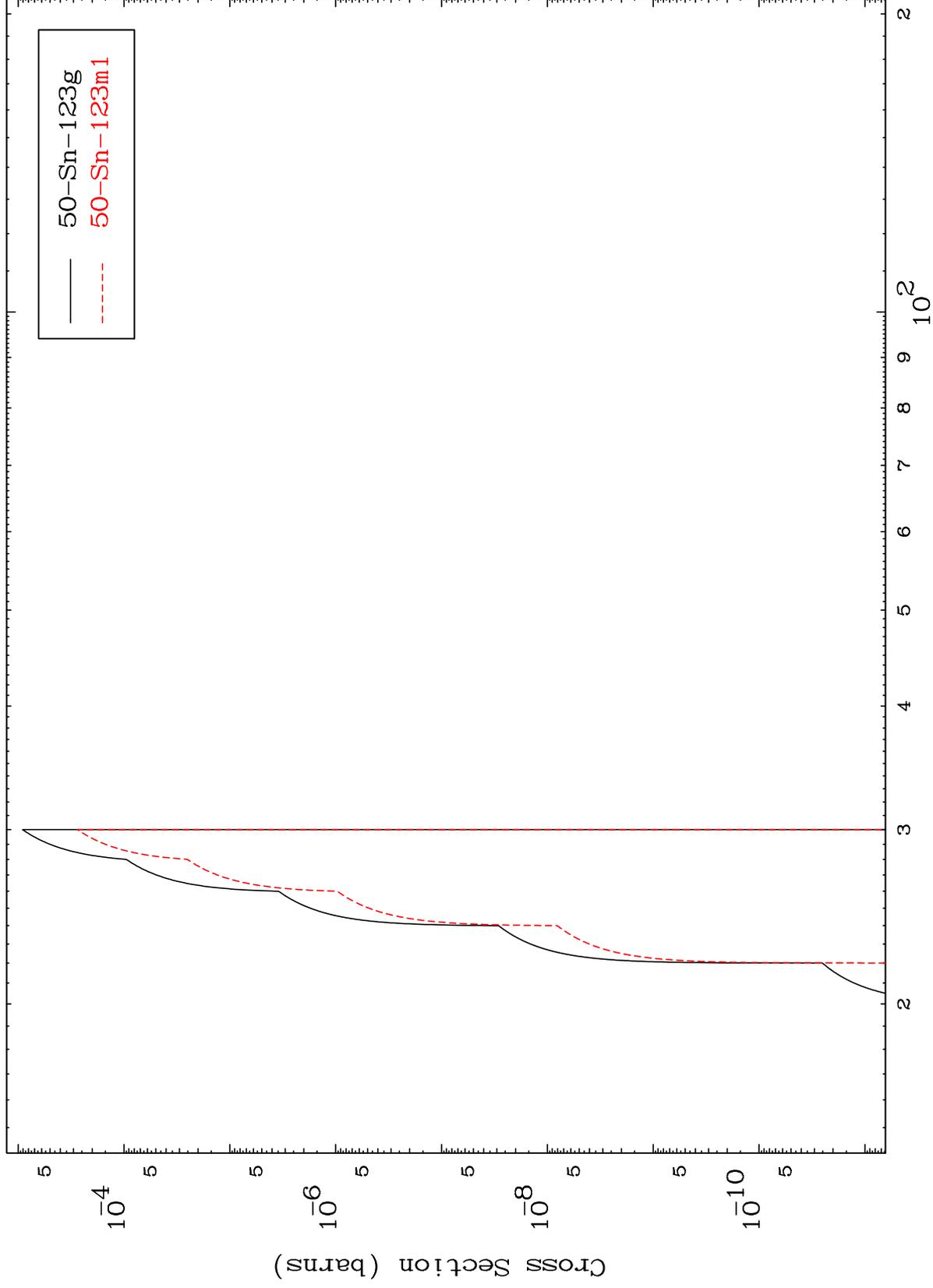
50-Sn-125

MAT 5064

$(n,2n) \alpha$

50-Sn-125

Radionuclide Production Cross Section



12

Incident Energy (MeV)

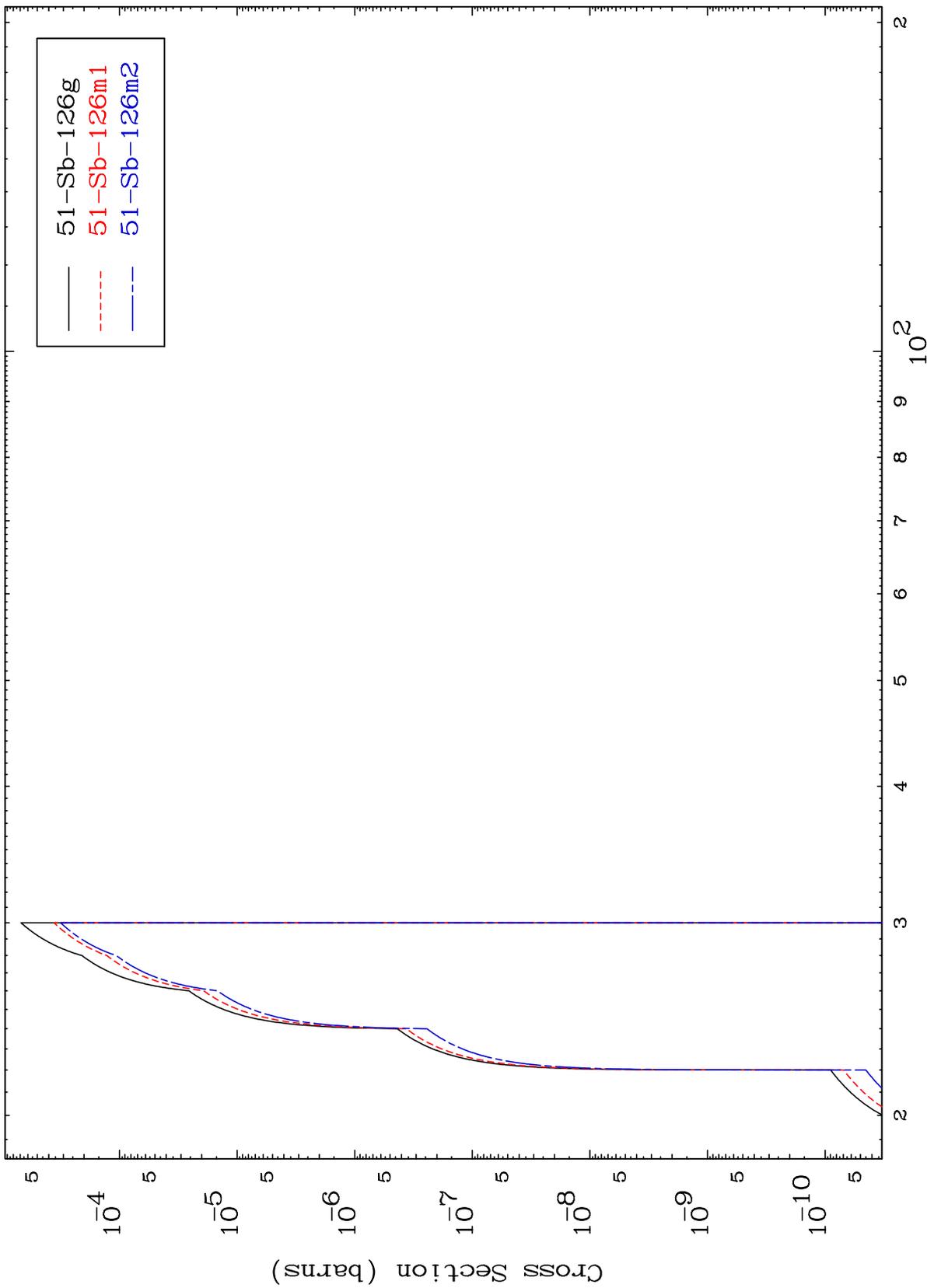
50-Sn-125

MAT 5064

(n,n') d

50-Sn-125

Radionuclide Production Cross Section



13

Incident Energy (MeV)

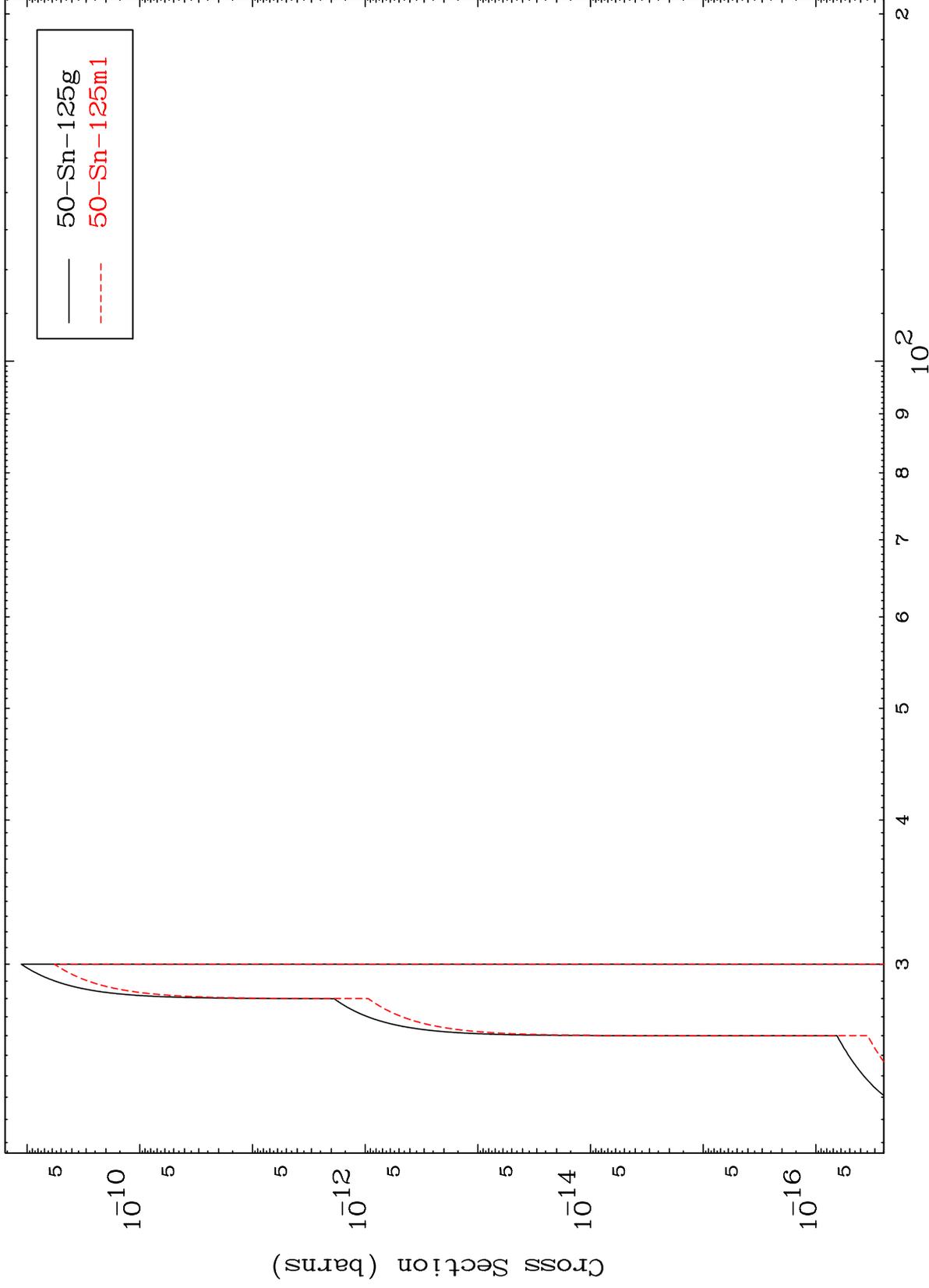
50-Sn-125

MAT 5064

(n,n') He-3

50-Sn-125

Radionuclide Production Cross Section



14

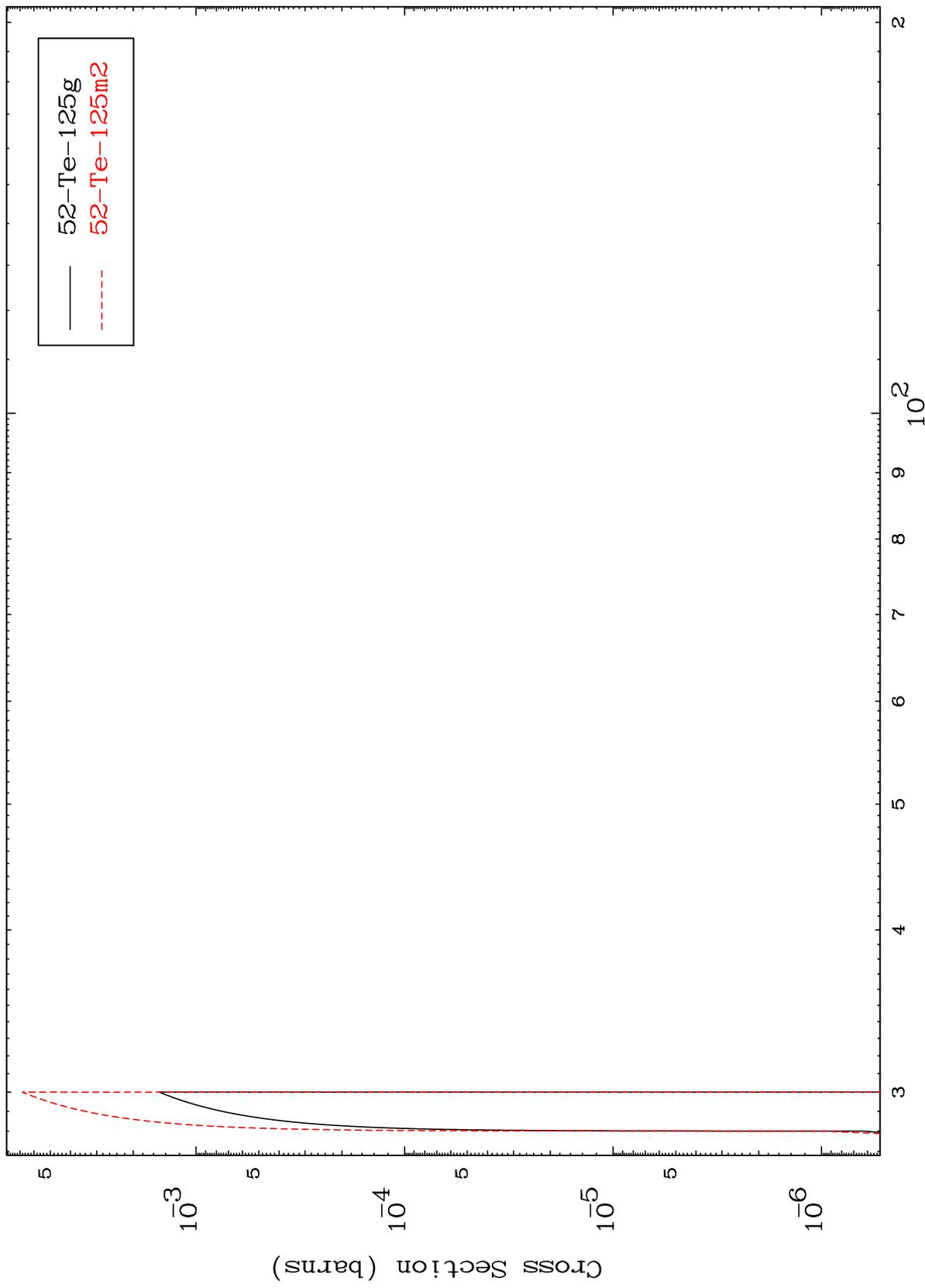
Incident Energy (MeV)

50-Sn-125

MAT 5064

50-Sn-125

(n,4n)
Radionuclide Production Cross Section



50-Sn-125

Incident Energy (MeV)

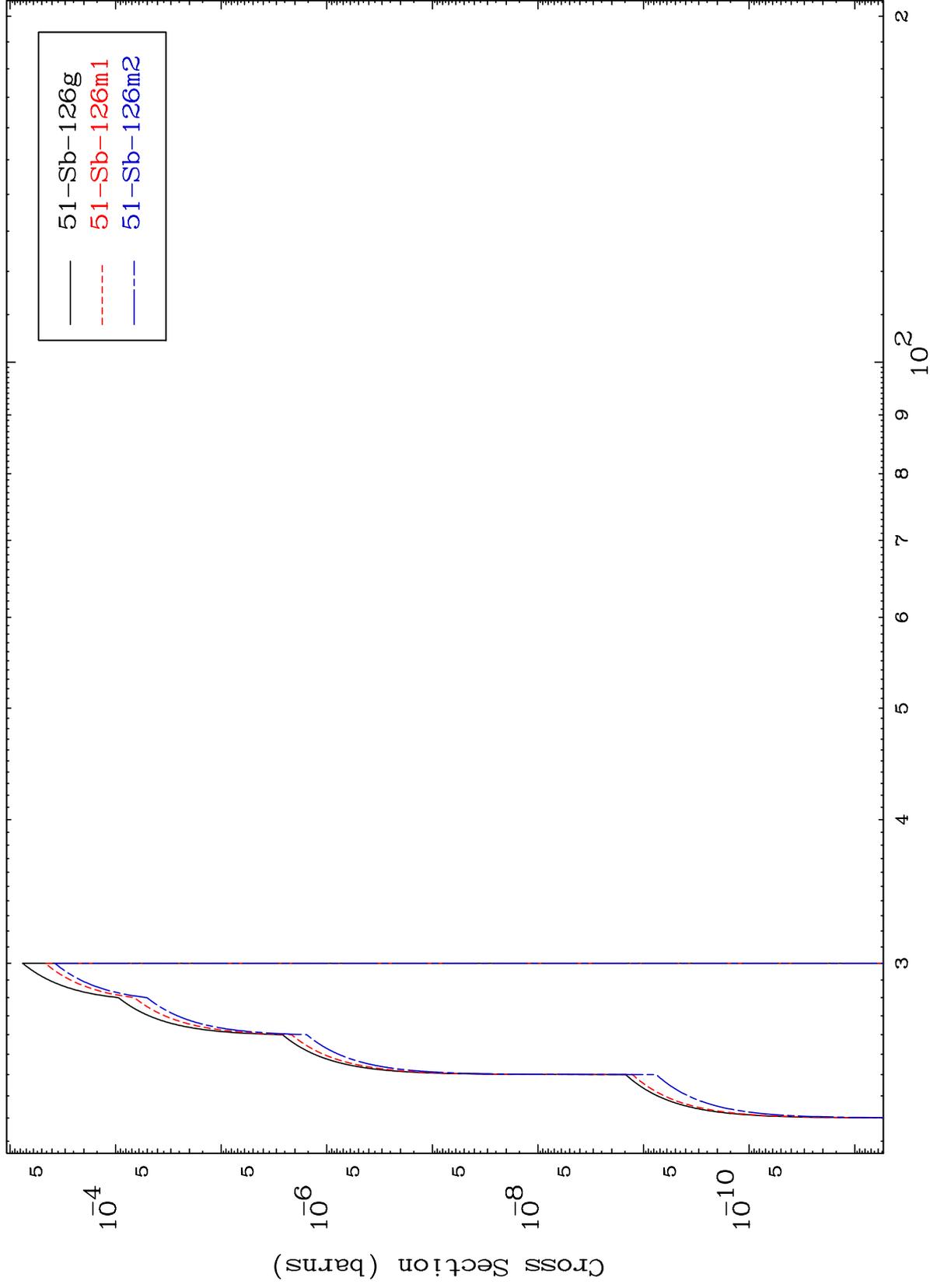
15

MAT 5064

(n,2n) p

50-Sn-125

Radionuclide Production Cross Section



16

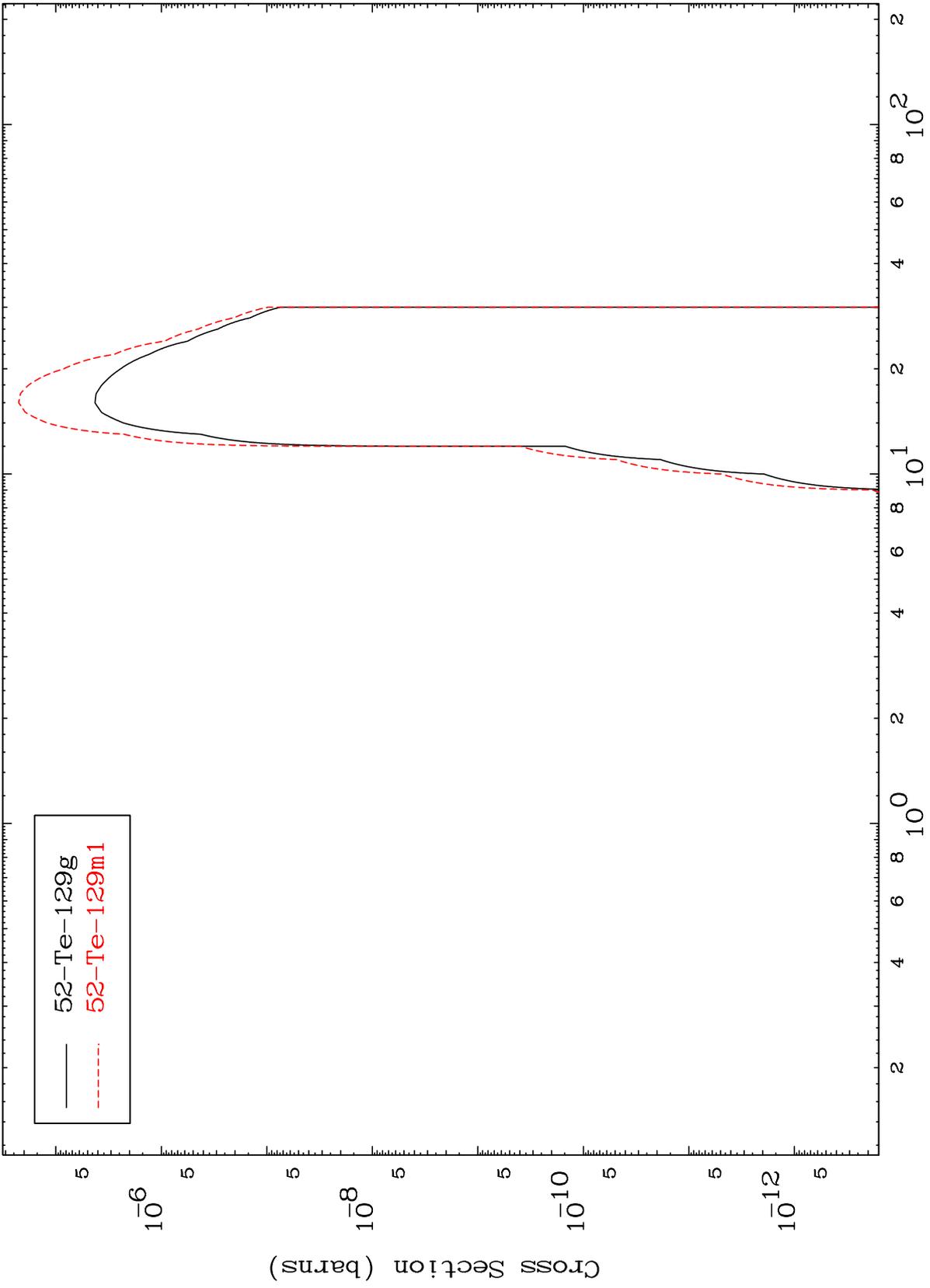
Incident Energy (MeV)

50-Sn-125

MAT 5064

50-Sn-125

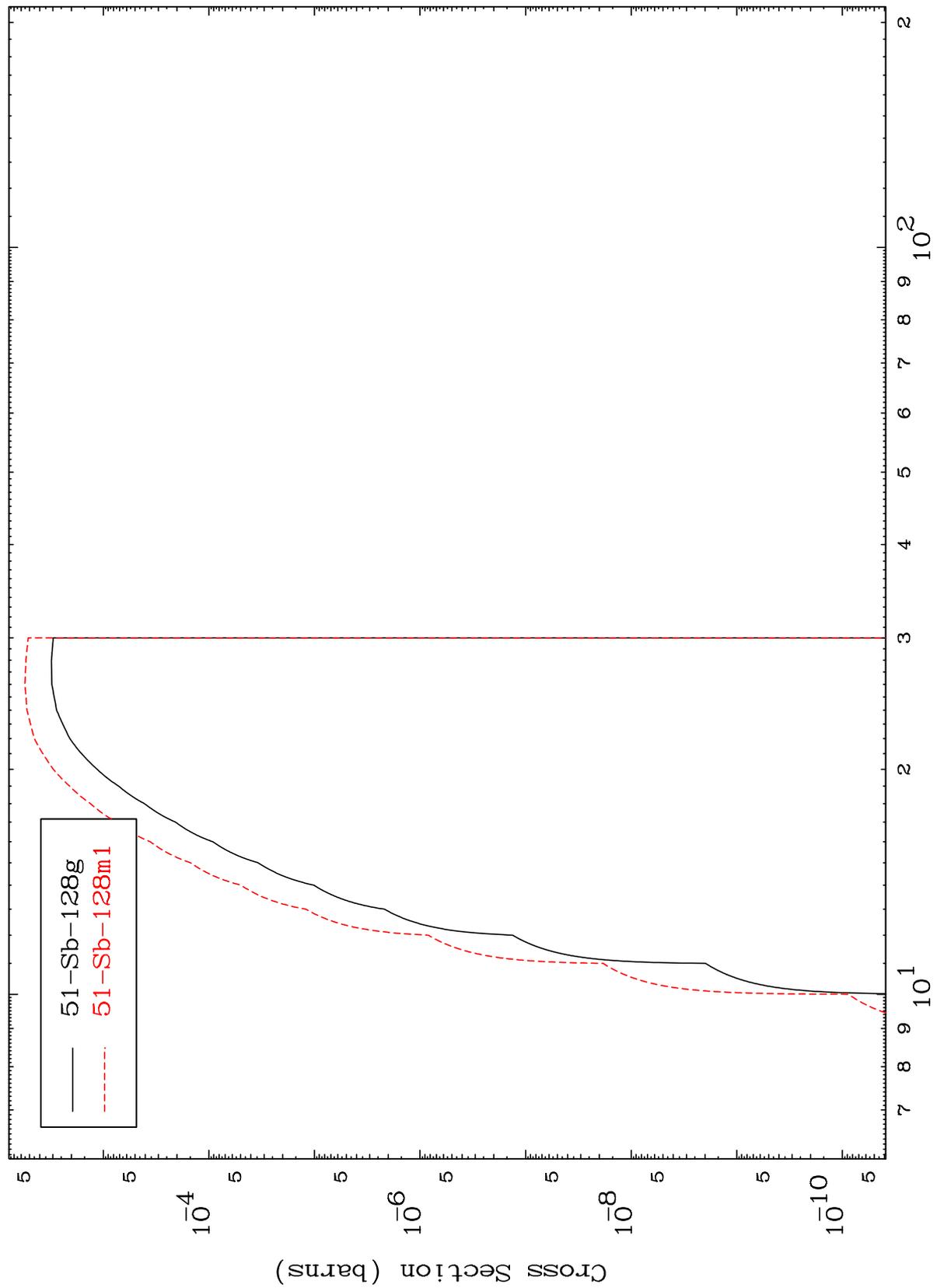
(n, γ)
Radionuclide Production Cross Section



MAT 5064

50-Sn-125

(n,p)
Radionuclide Production Cross Section

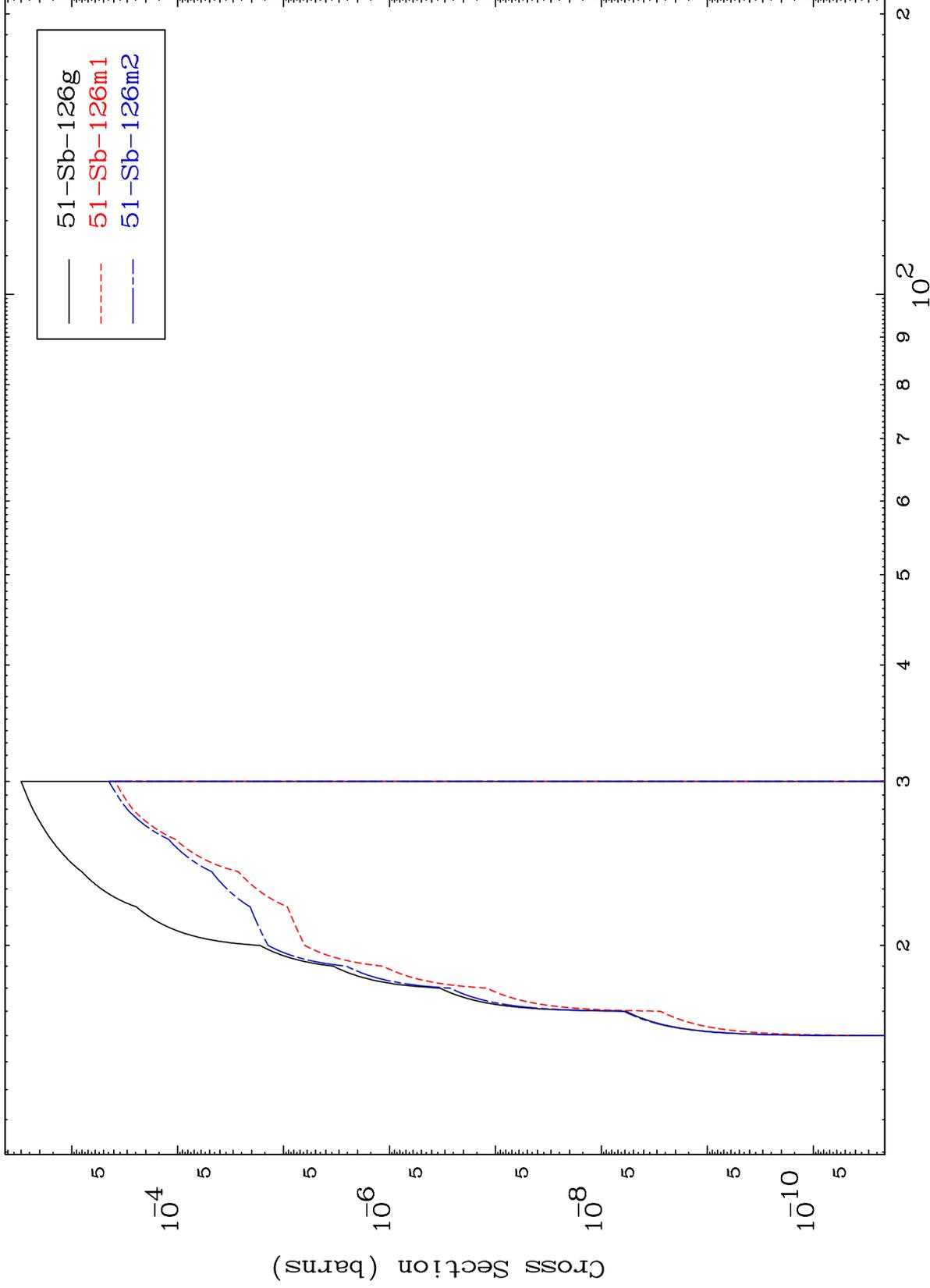


18

Incident Energy (MeV)

50-Sn-125

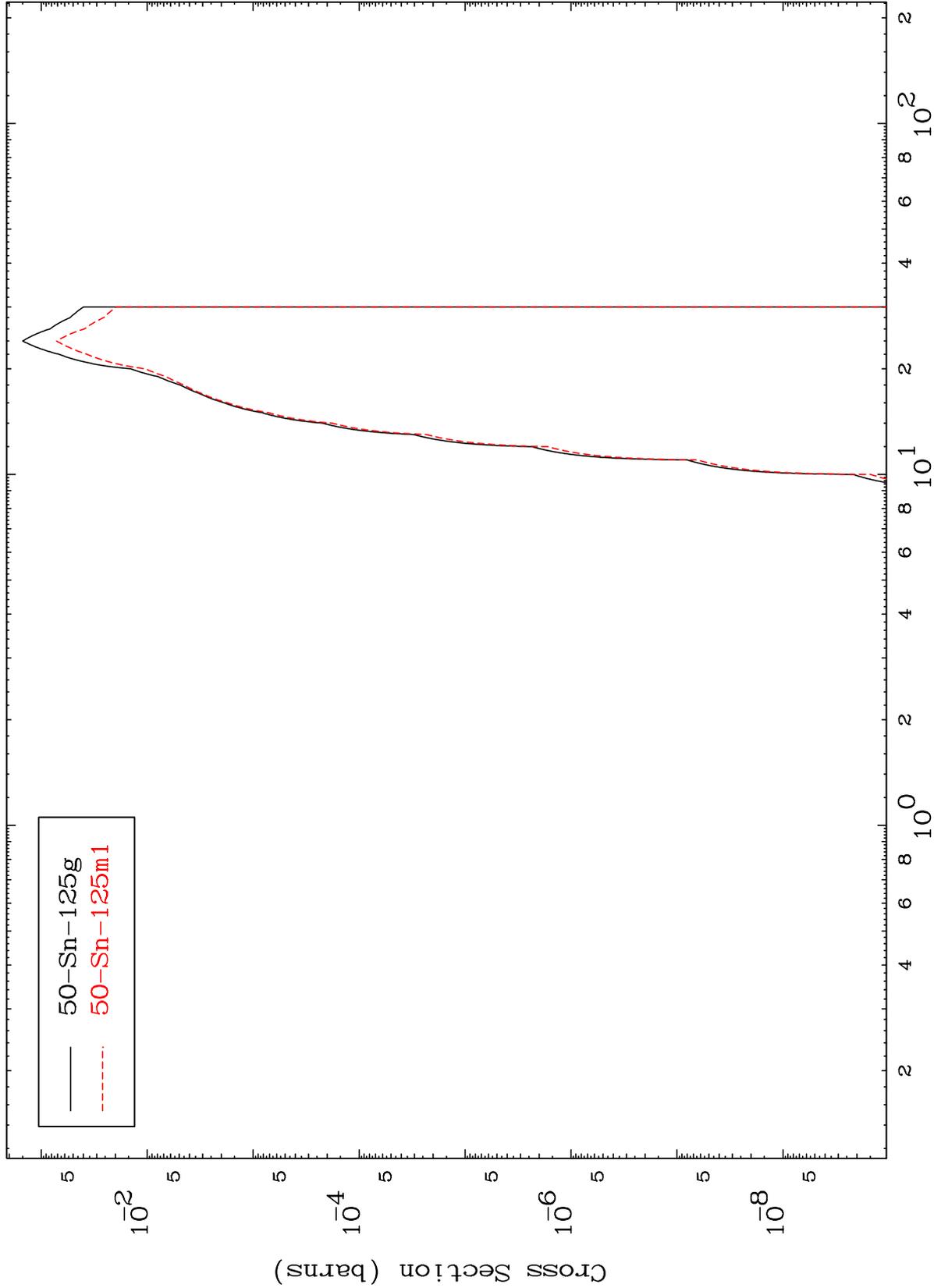
Radionuclide Production Cross Section



MAT 5064

50-Sn-125

(n, α)
Radionuclide Production Cross Section



20

50-Sn-125

Incident Energy (MeV)

MAT 5064

50-Sn-125

(n,2p)
Radionuclide Production Cross Section

