

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

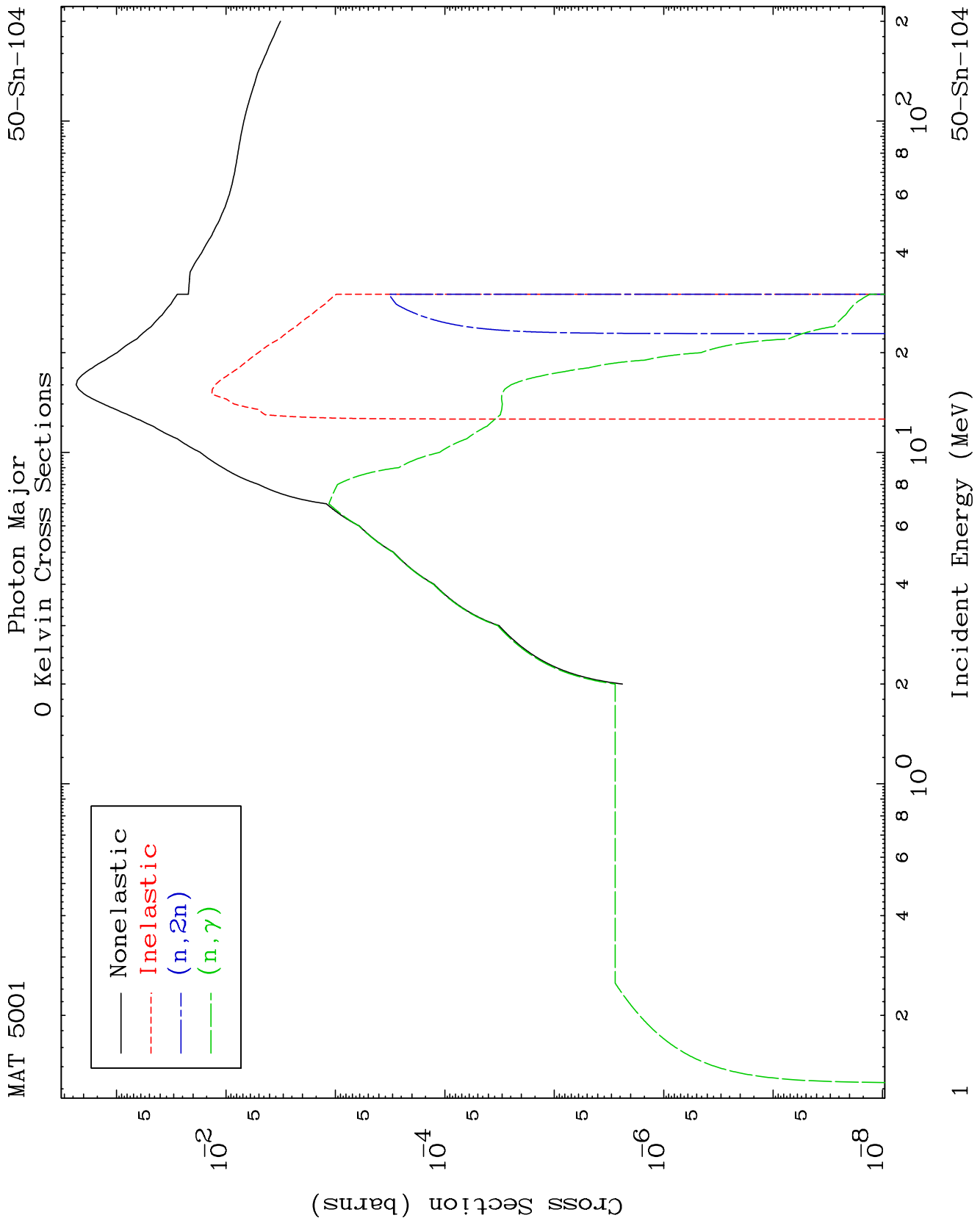
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Web:redcullen1.net/HOMEPAGE.NEW

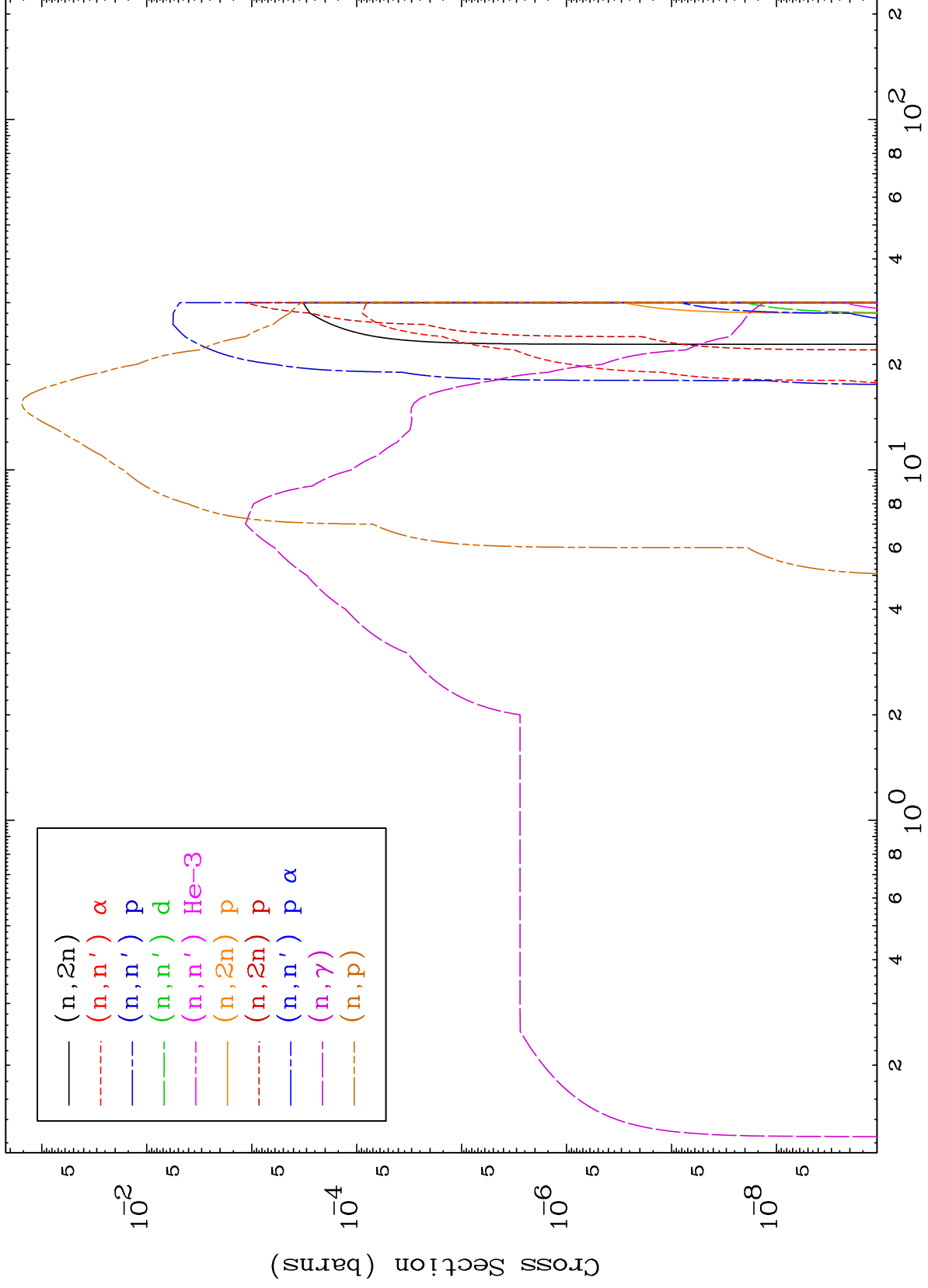
Press Mouse Button to Start



MAT 5001

Photon Neutron Absorption
0 Kelvin Cross Sections

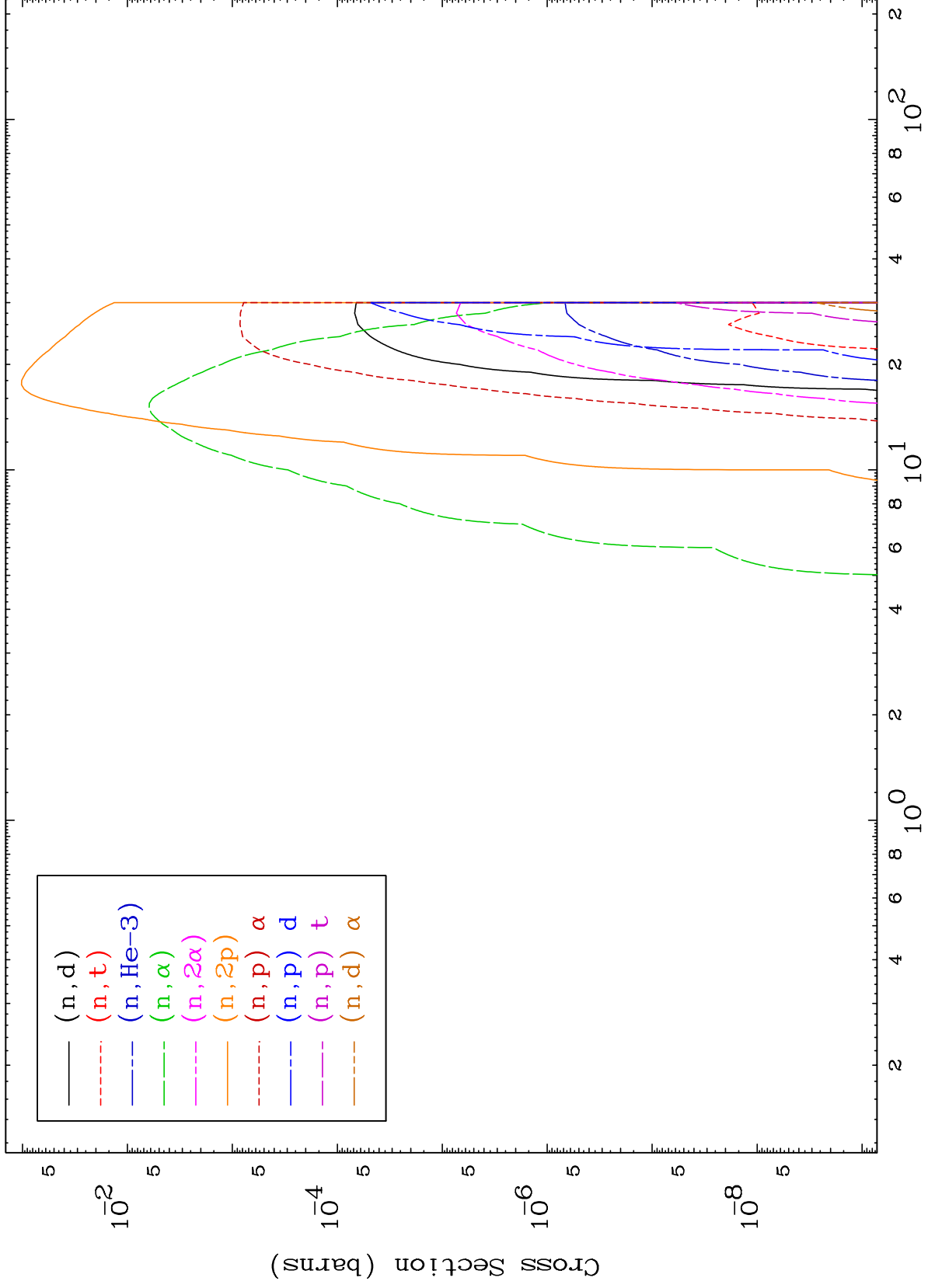
50-Sn-104



MAT 5001

Photon Neutron Absorption
0 Kelvin Cross Sections

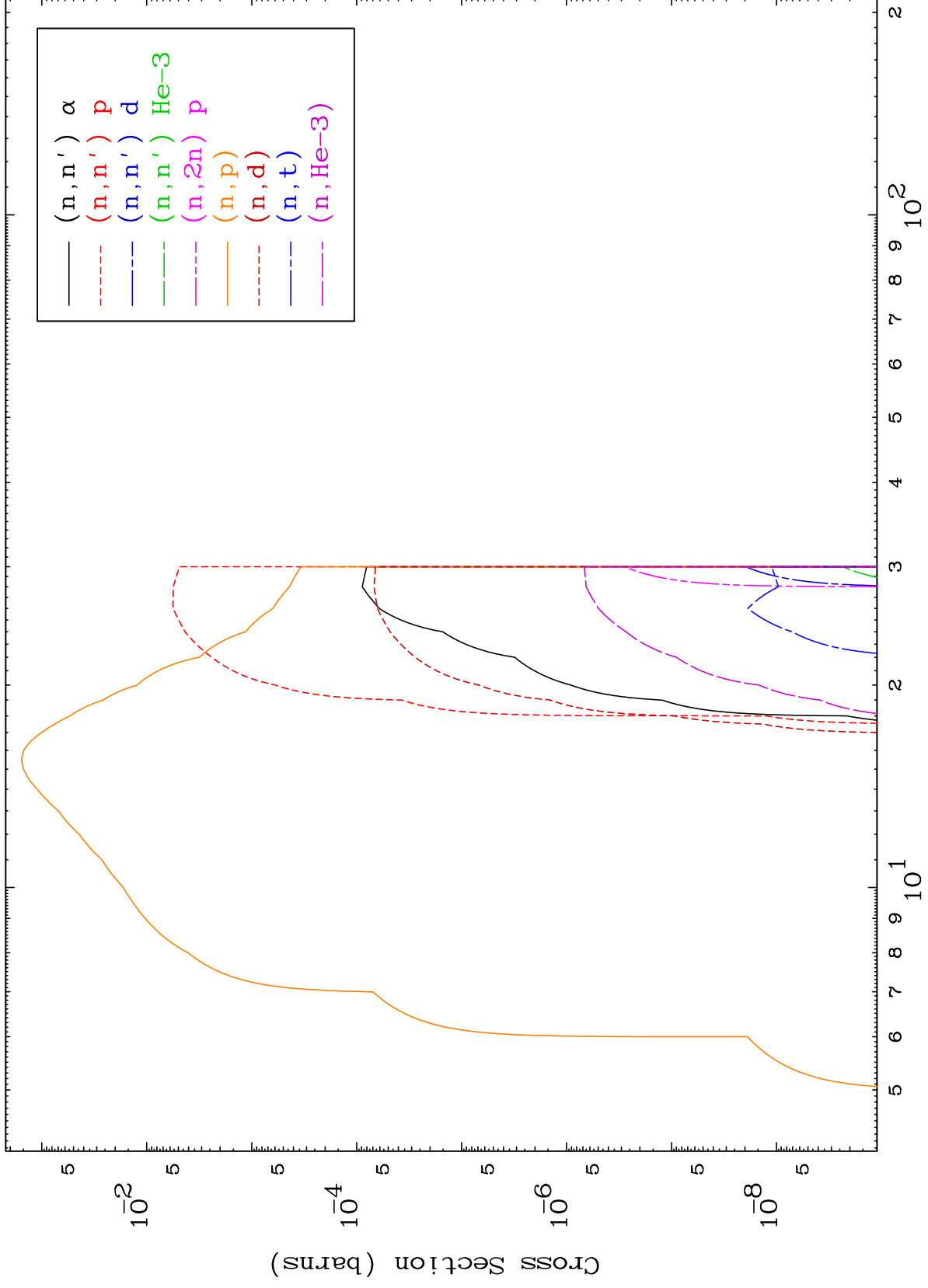
50-Sn-104



MAT 5001

Photon Charged Particle
0 Kelvin Cross Sections

50-Sn-104



4

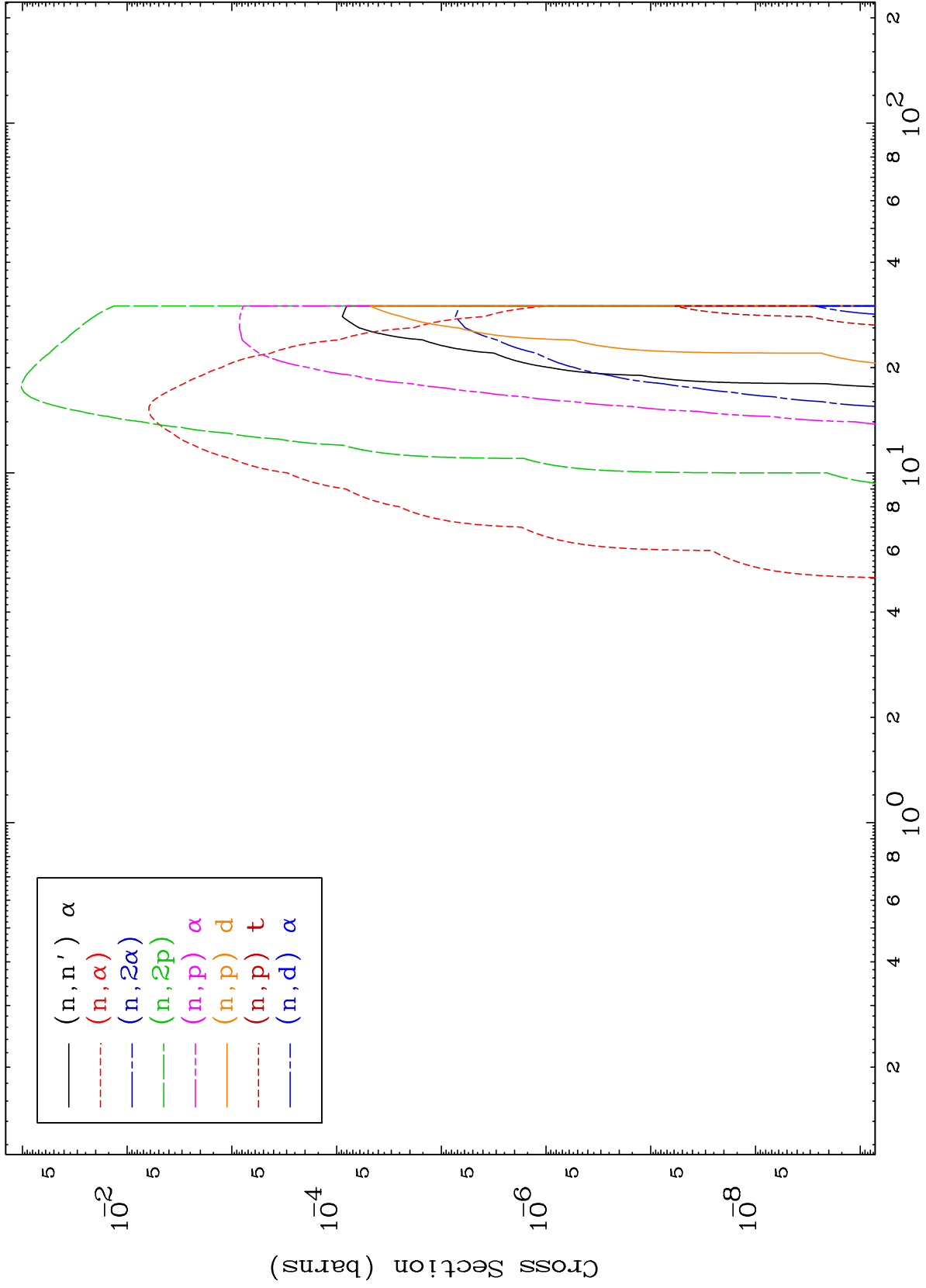
Incident Energy (MeV)

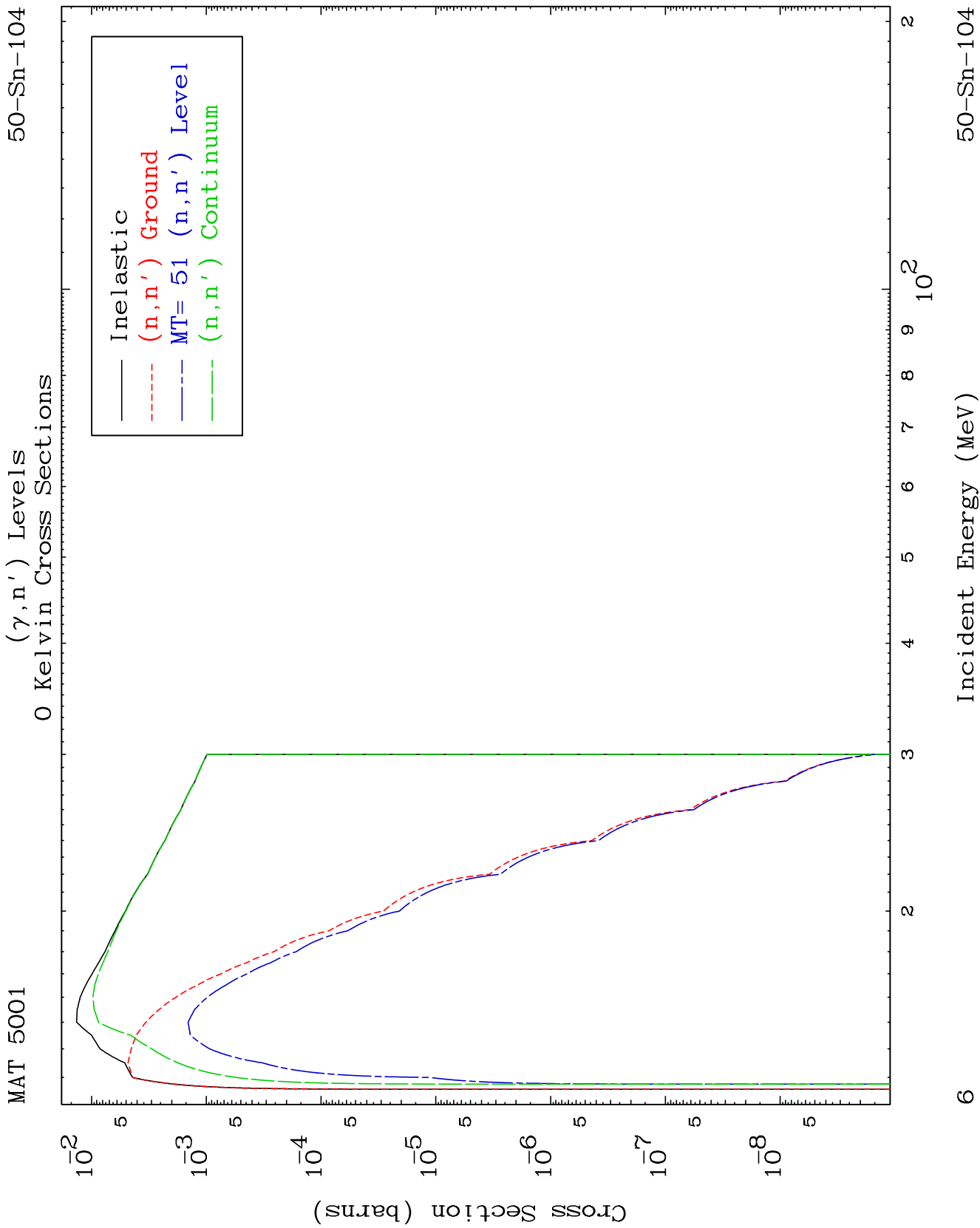
50-Sn-104

MAT 5001

Photon Charged Particle
0 Kelvin Cross Sections

50-Sn-104





6

Incident Energy (MeV)

10^2

9

8

7

6

5

4

3

2

10^{-2}

5

10^{-3}

5

10^{-4}

5

10^{-5}

5

10^{-6}

5

10^{-7}

5

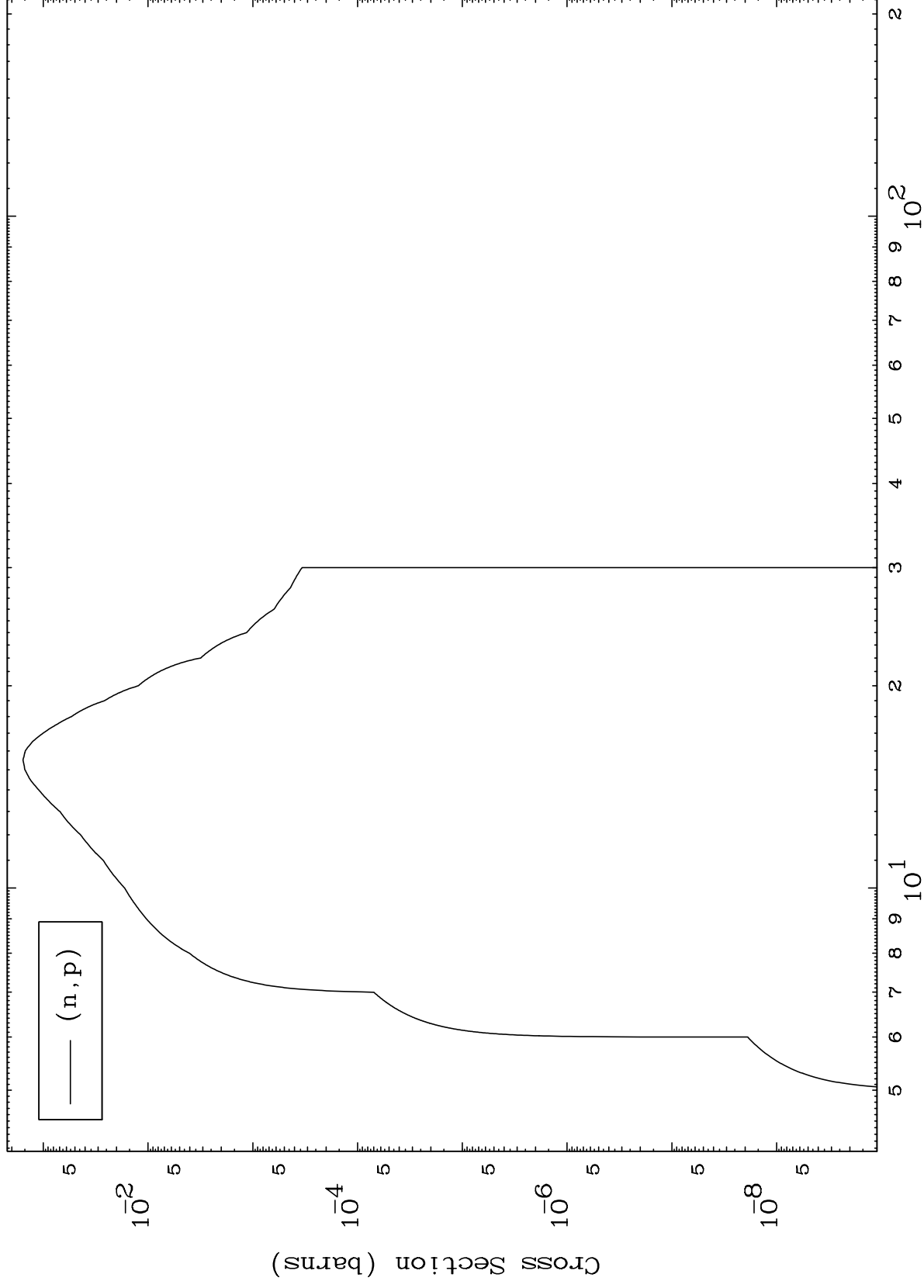
10^{-8}

5

MAT 5001

50-Sn-104

(γ, p) Levels
0 Kelvin Cross Sections



7

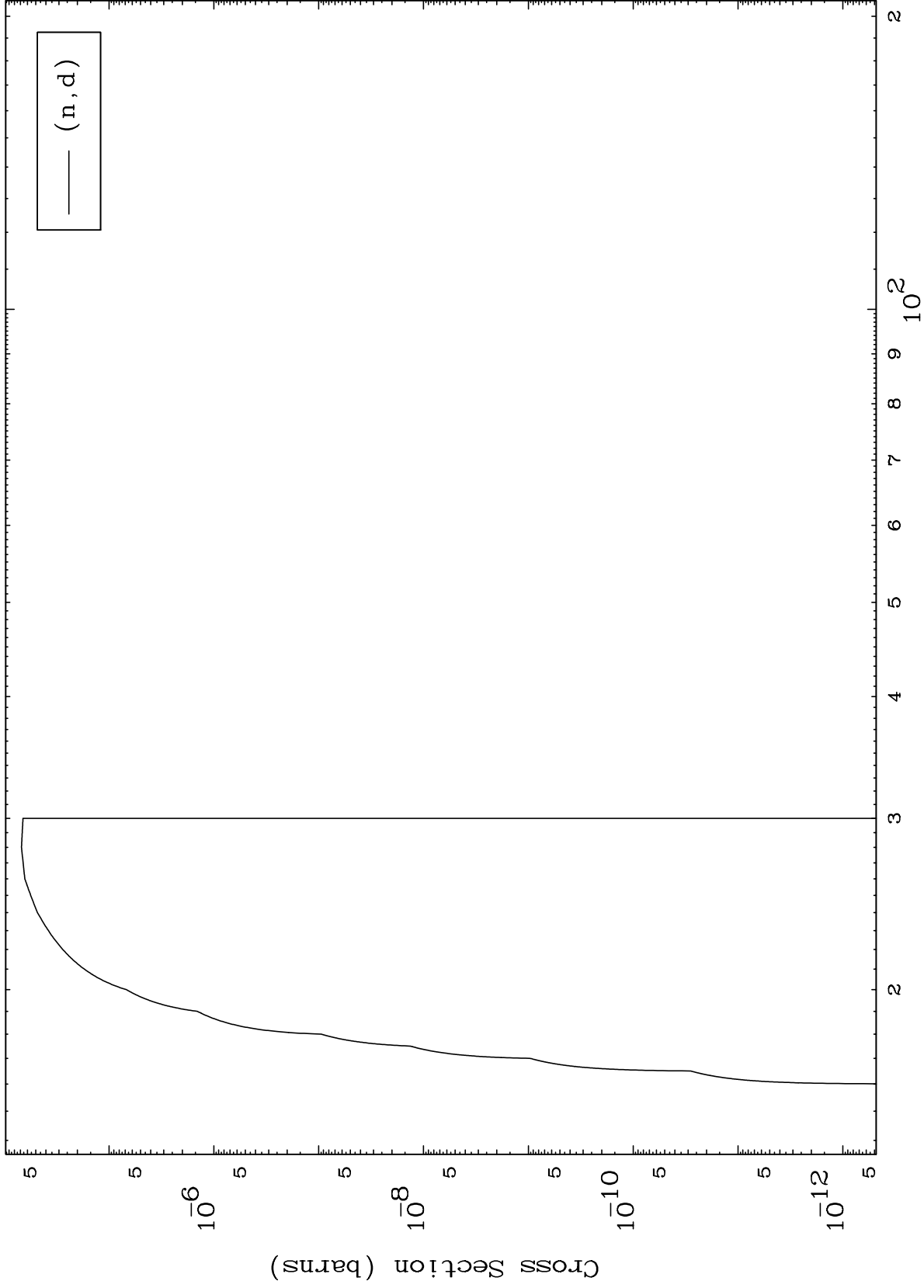
Incident Energy (MeV)

50-Sn-104

MAT 5001

(γ, d) Levels
0 Kelvin Cross Sections

50-Sn-104



8

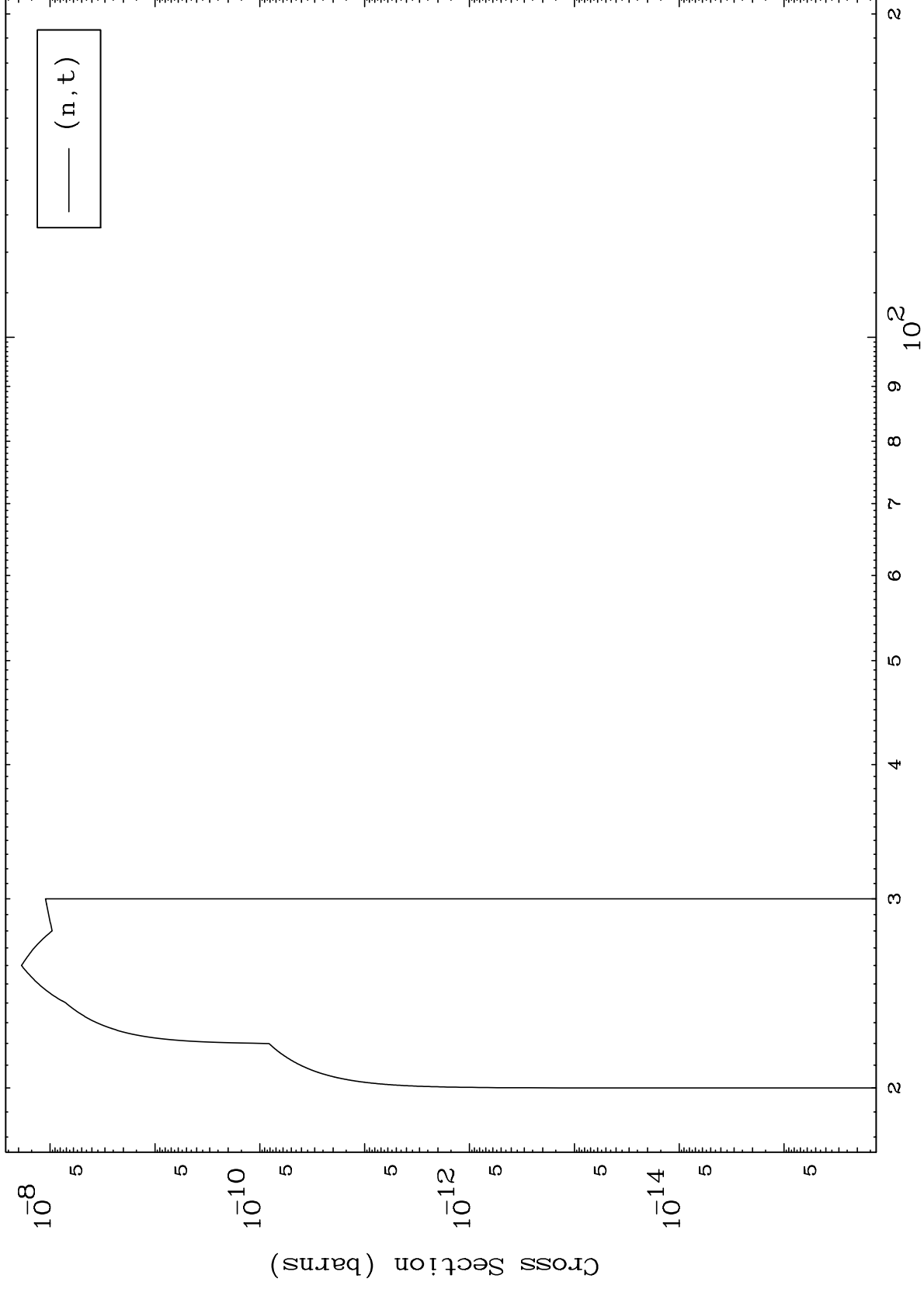
Incident Energy (MeV)

50-Sn-104

MAT 5001

(γ, t) Levels
0 Kelvin Cross Sections

50-Sn-104



9

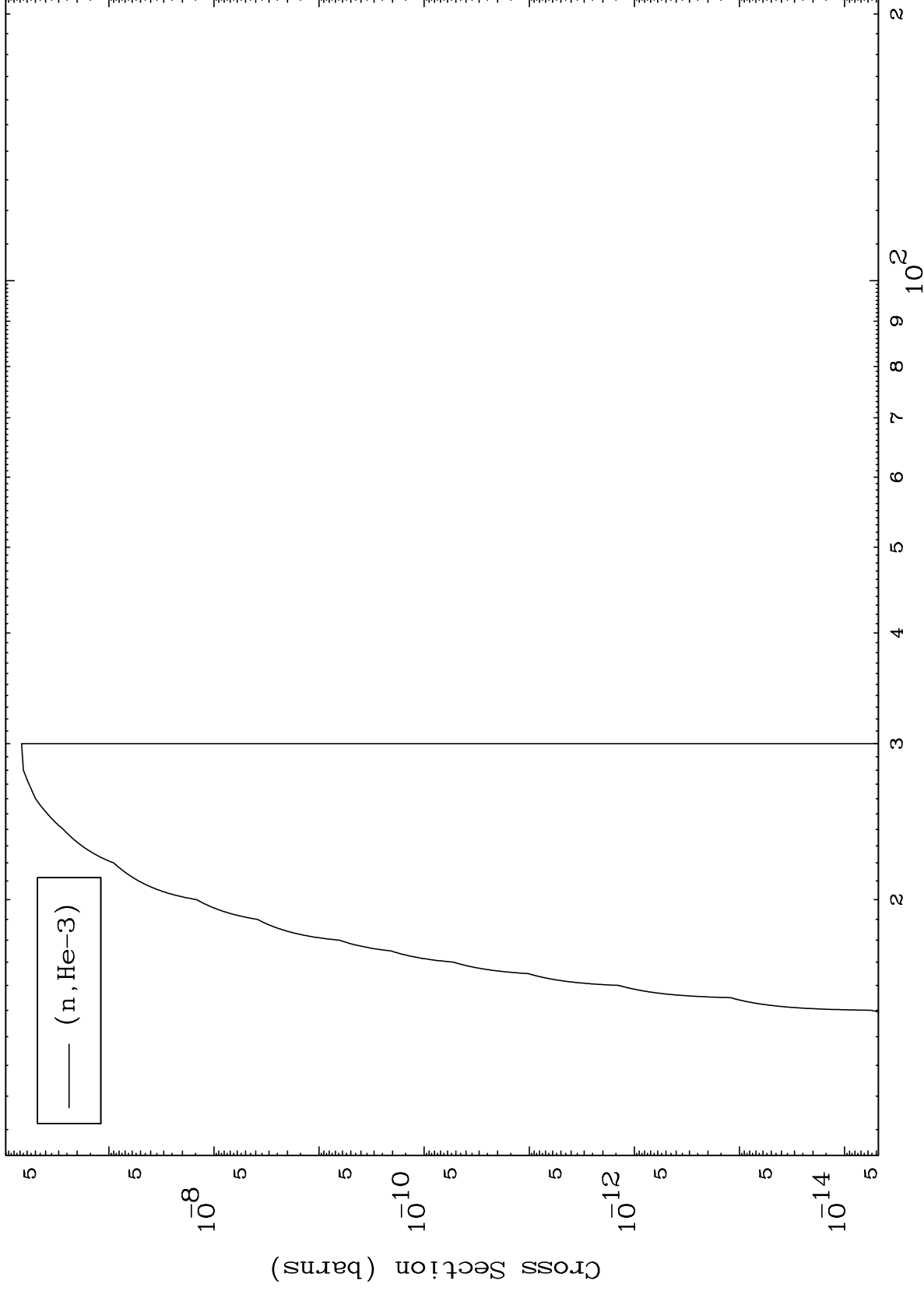
Incident Energy (MeV)

50-Sn-104

MAT 5001

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

50-Sn-104



10

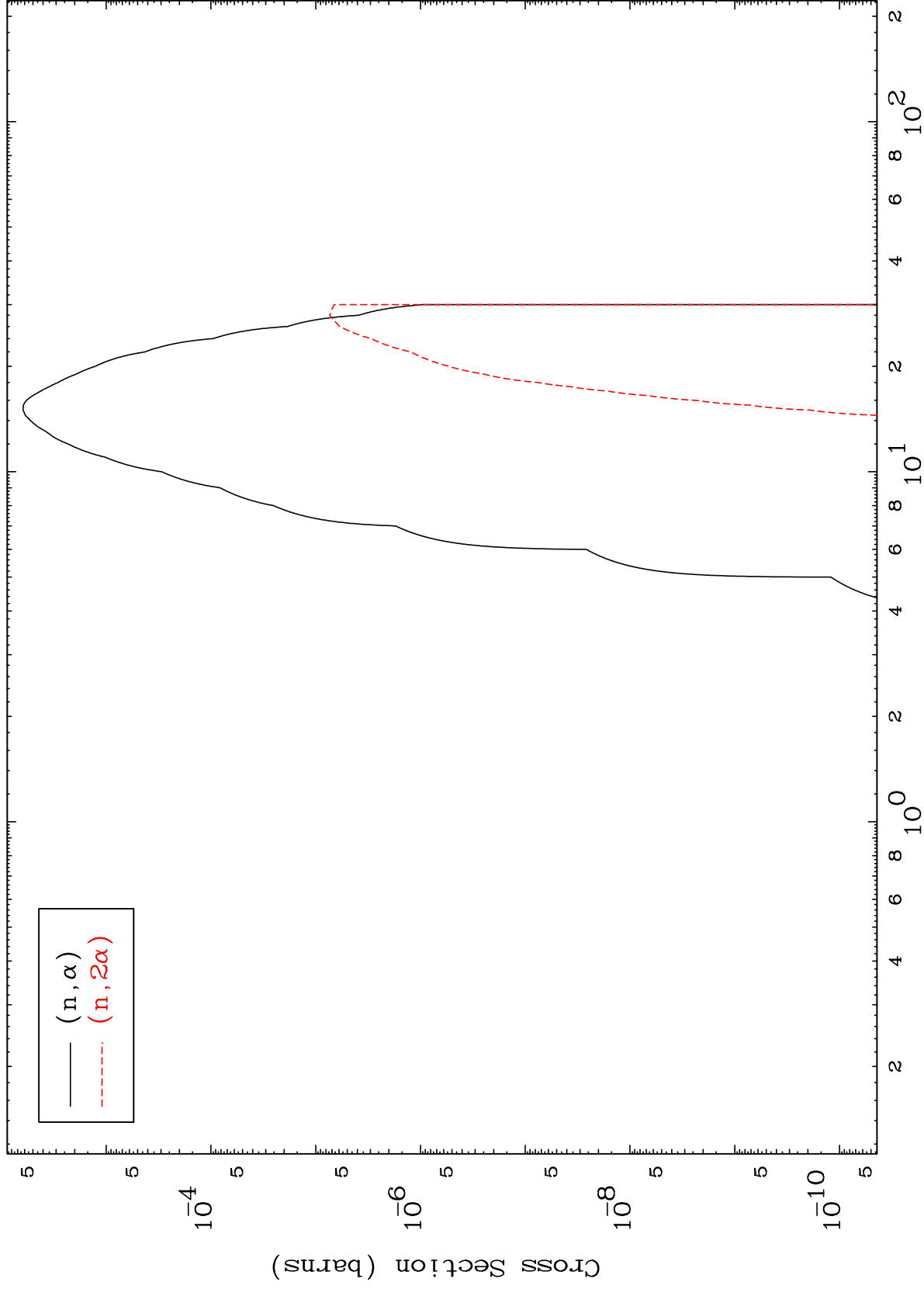
Incident Energy (MeV)

50-Sn-104

MAT 5001

50-Sn-104

(γ, α) Levels
0 Kelvin Cross Sections



50-Sn-104

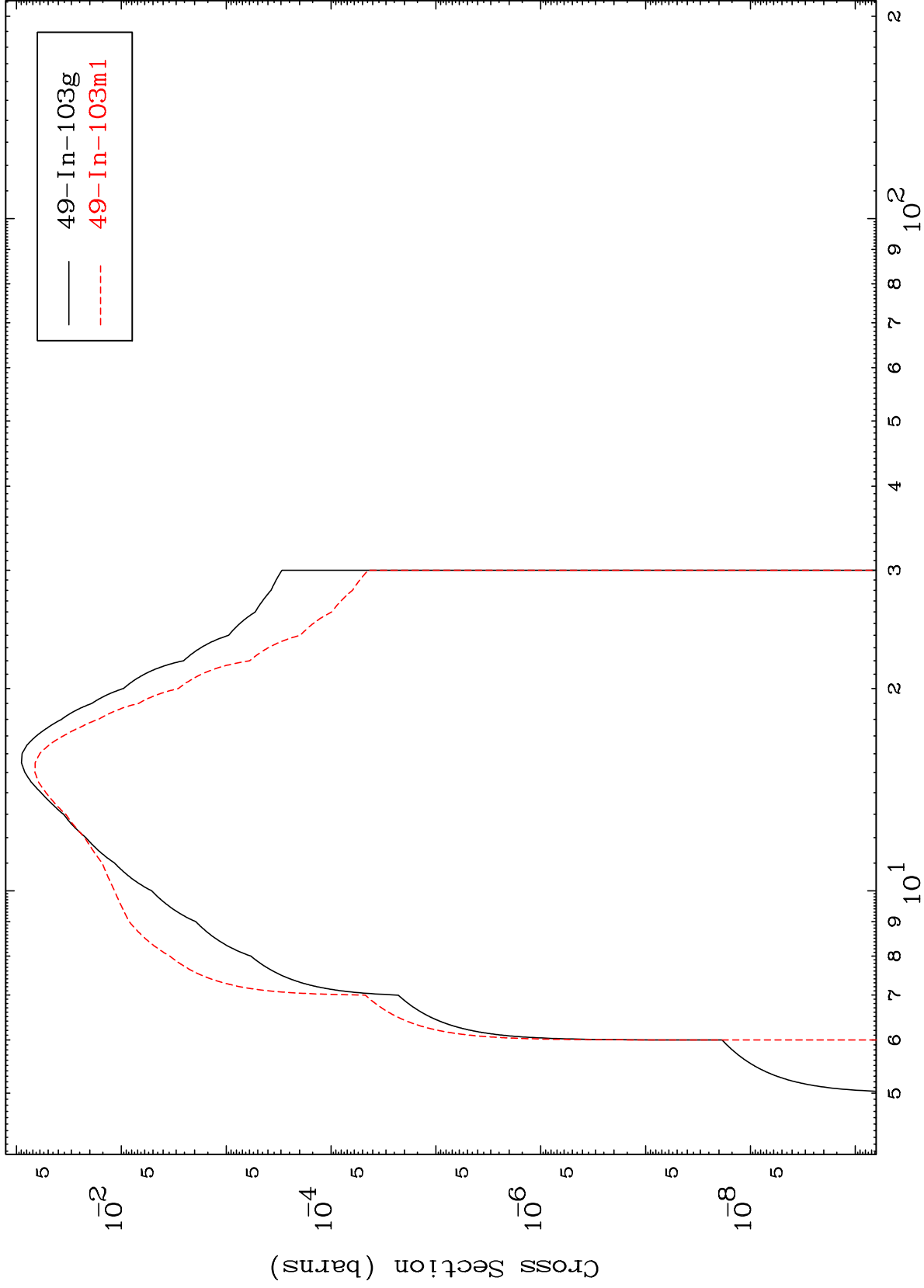
Incident Energy (MeV)

11

MAT 5001

50-Sn-104

(n,p)
Radionuclide Production Cross Section



— 49-In-103g
- - - 49-In-103m1

50-Sn-104

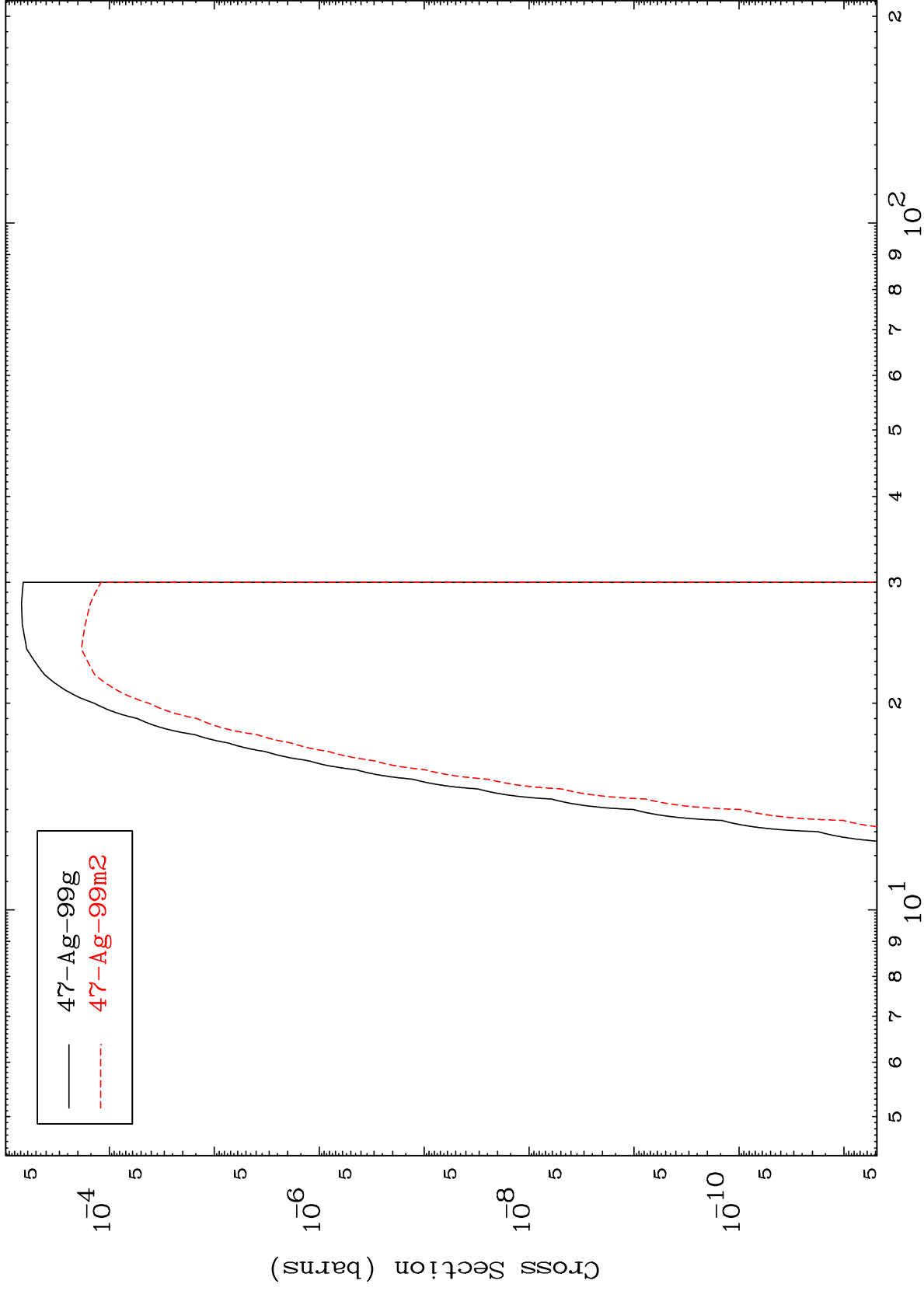
Incident Energy (MeV)

12

MAT 5001

50-Sn-104

(n,p) α
Radionuclide Production Cross Section



50-Sn-104

Incident Energy (MeV)

13