

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

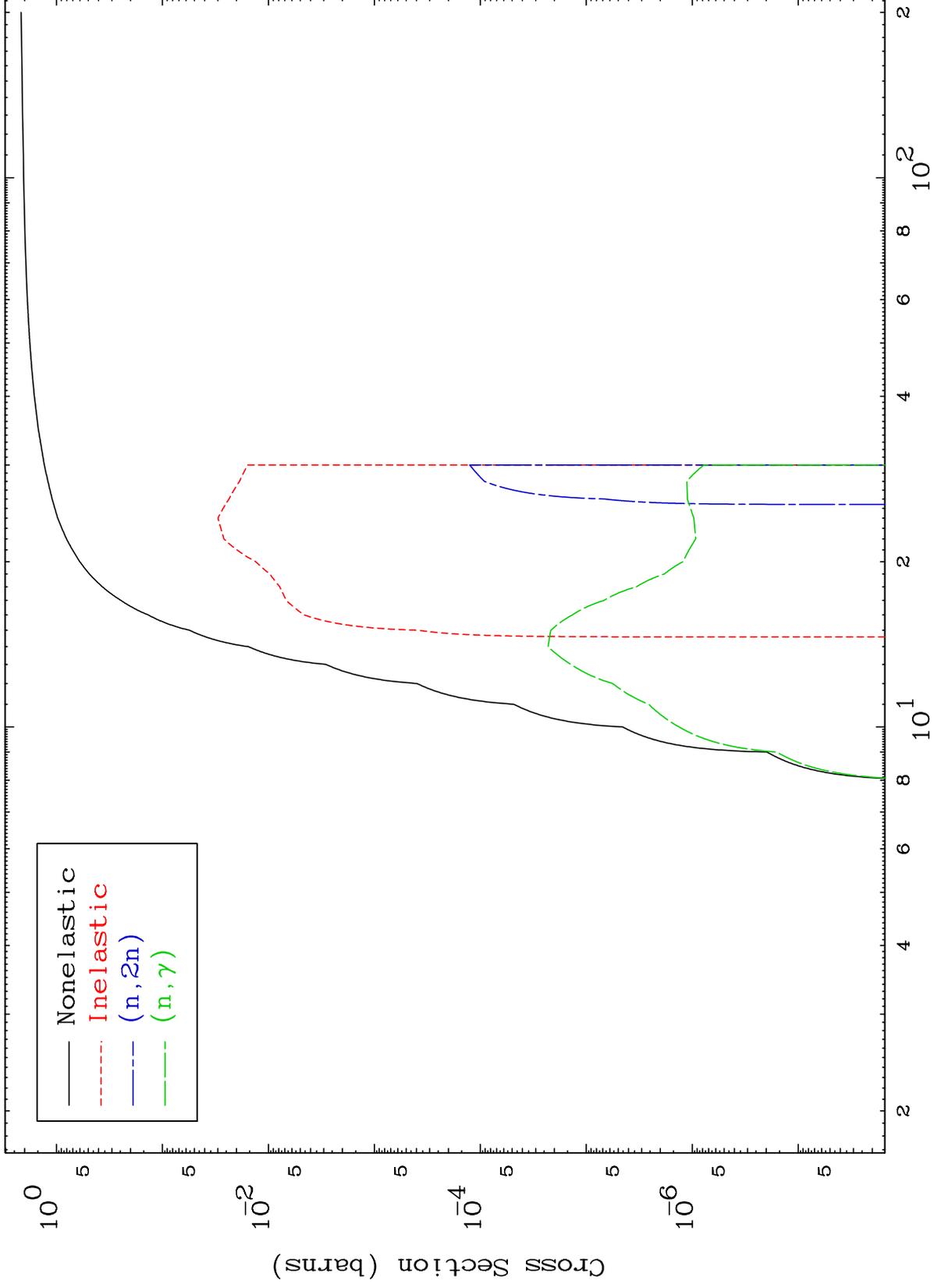
Press Mouse Button to Start

MAT 5401

0 Kelvin Cross Sections

α Major

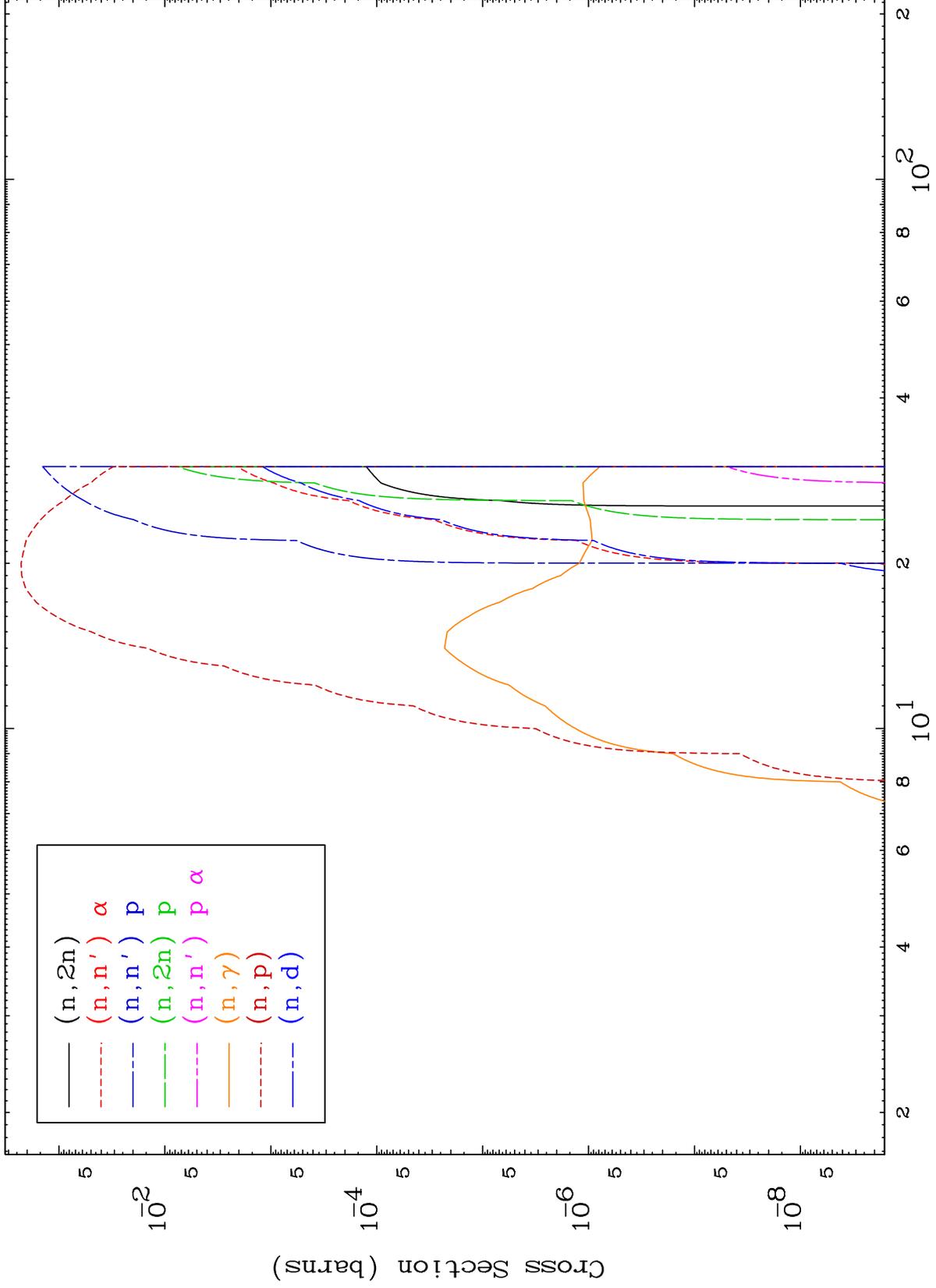
54-Xe-116



1

Incident Energy (MeV)

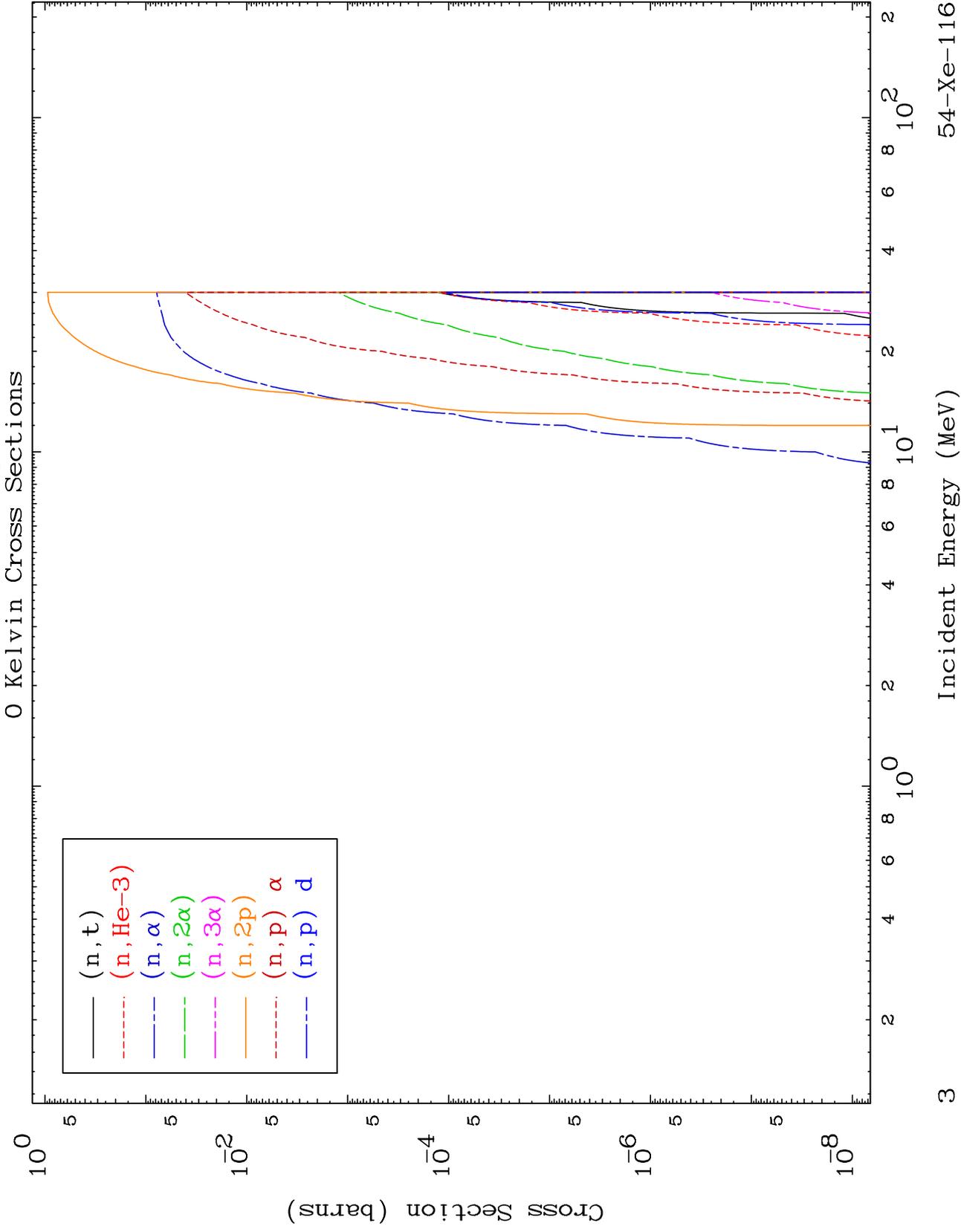
54-Xe-116

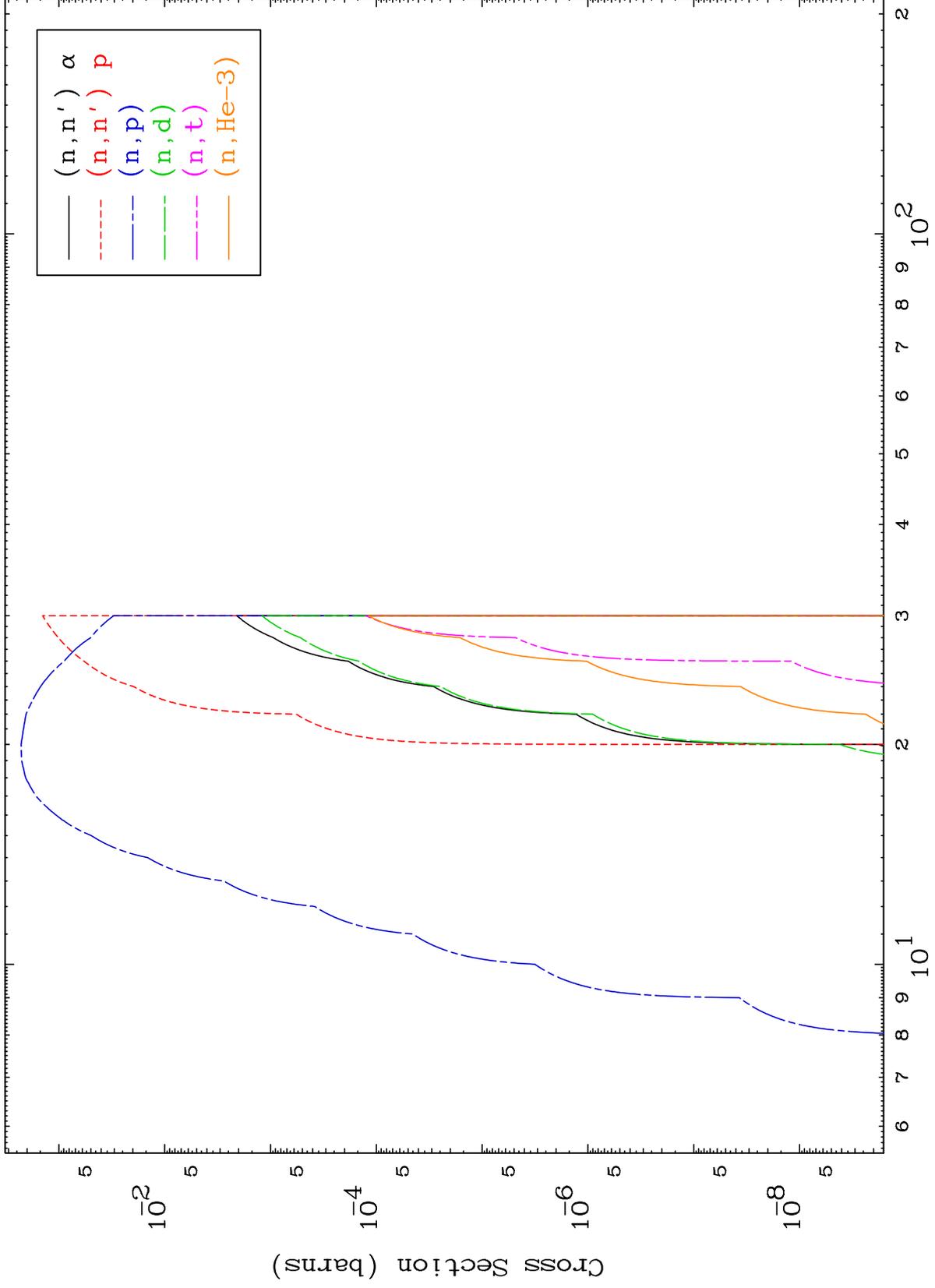


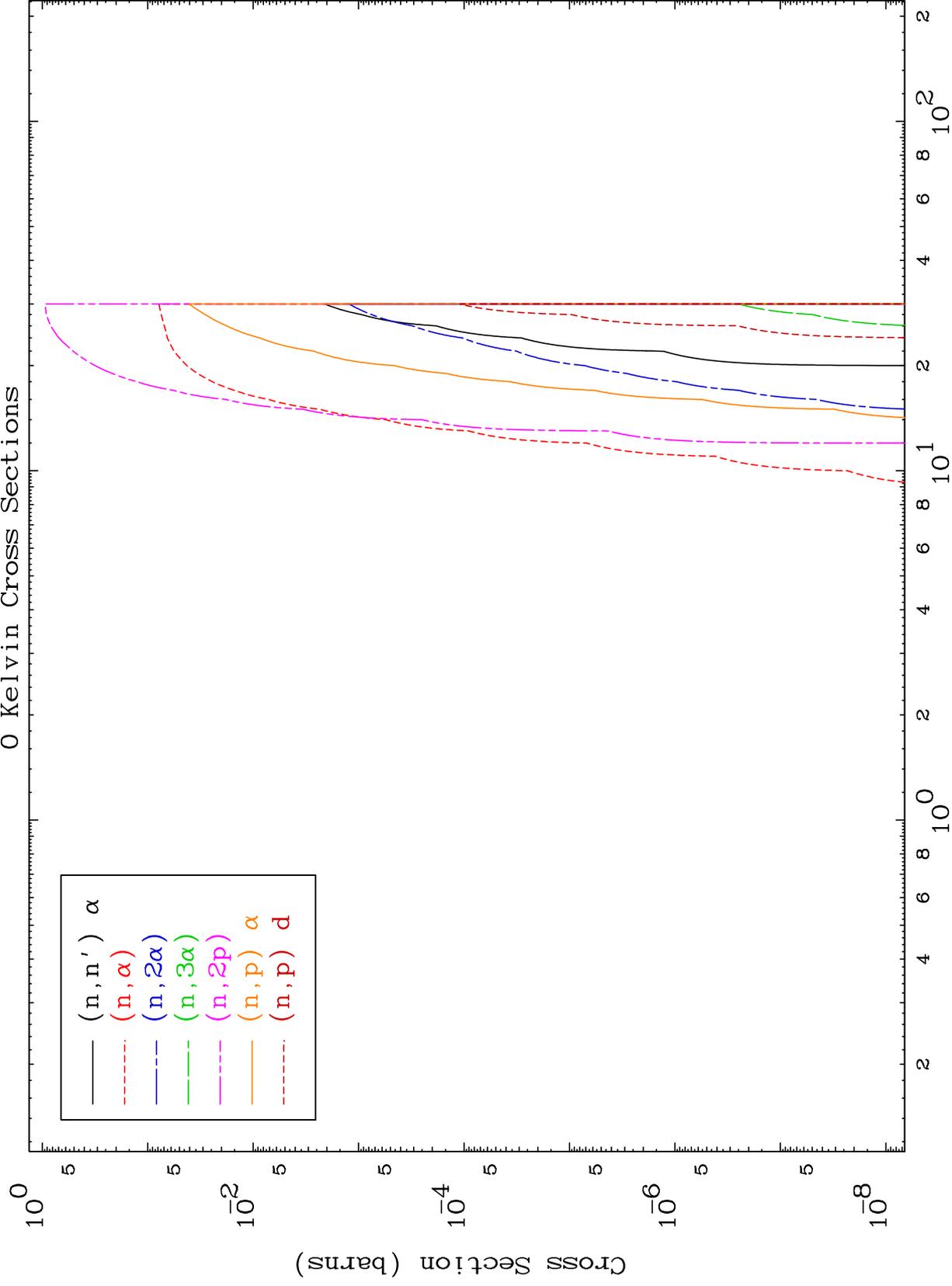
MAT 5401

α Neutron Absorption

54-Xe-116



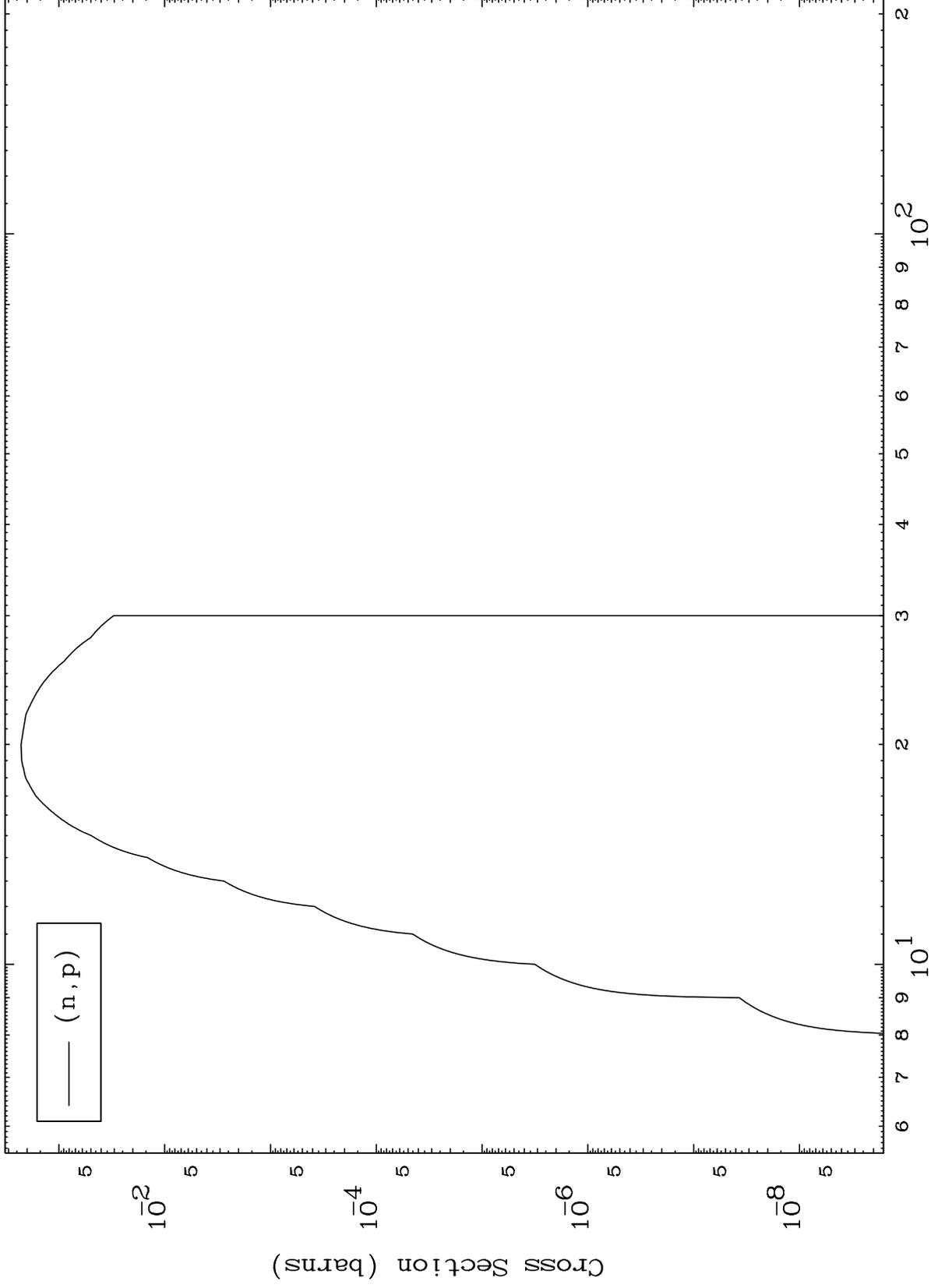




MAT 5401

(α, p) Levels
0 Kelvin Cross Sections

54-Xe-116



6

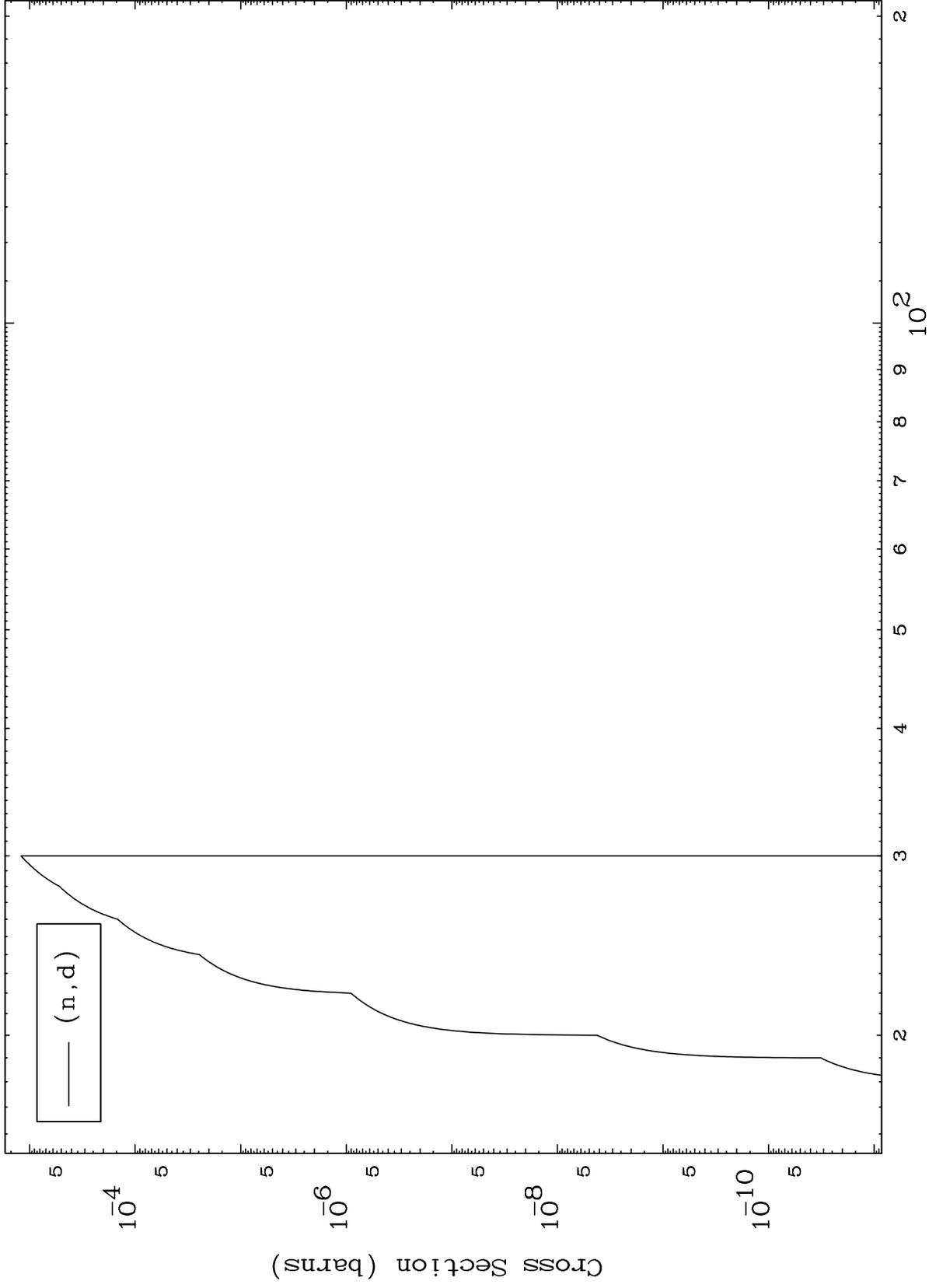
Incident Energy (MeV)

54-Xe-116

MAT 5401

(α, d) Levels
0 Kelvin Cross Sections

54-Xe-116



7

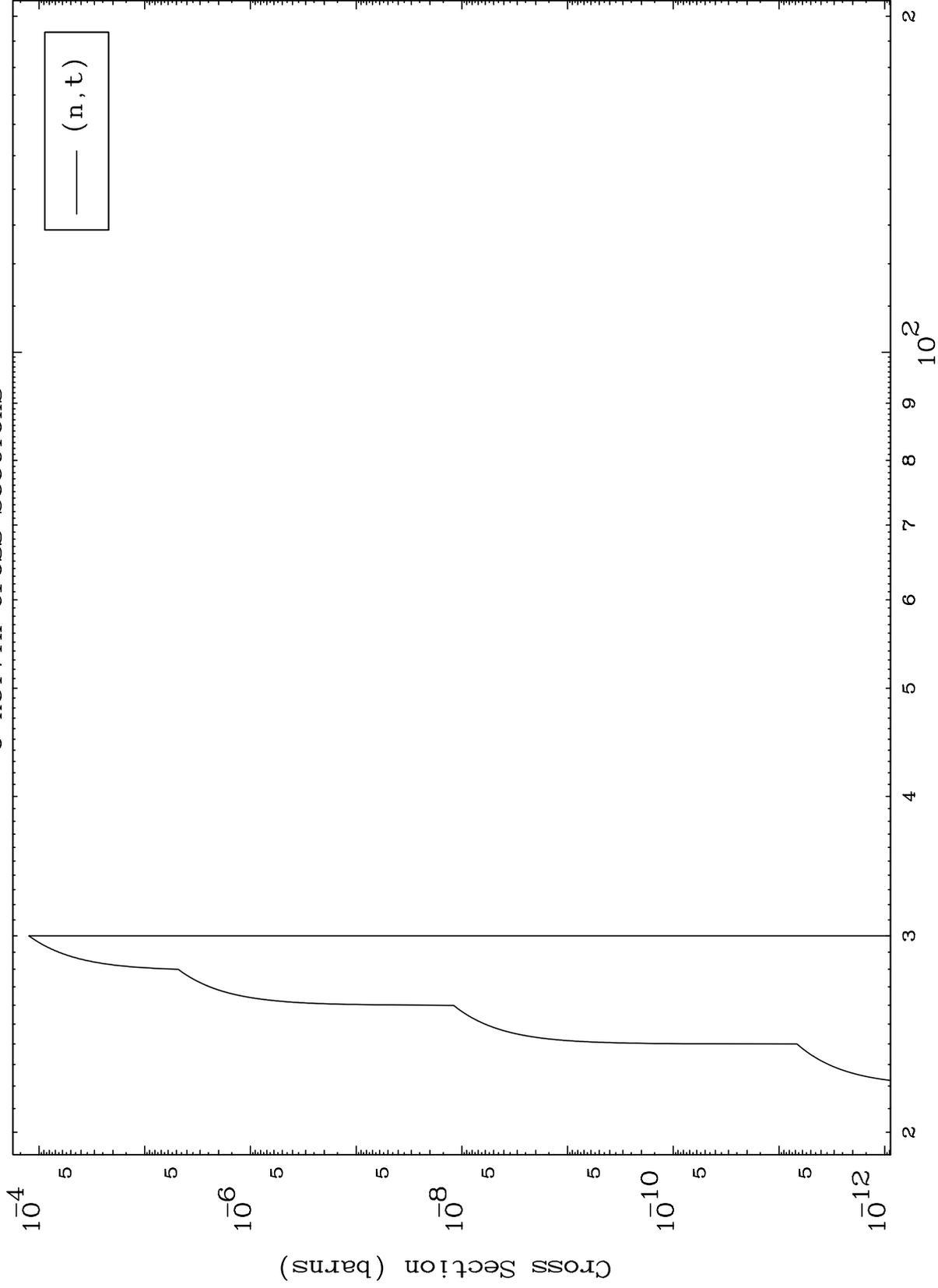
Incident Energy (MeV)

54-Xe-116

MAT 5401

(α, t) Levels
0 Kelvin Cross Sections

54-Xe-116

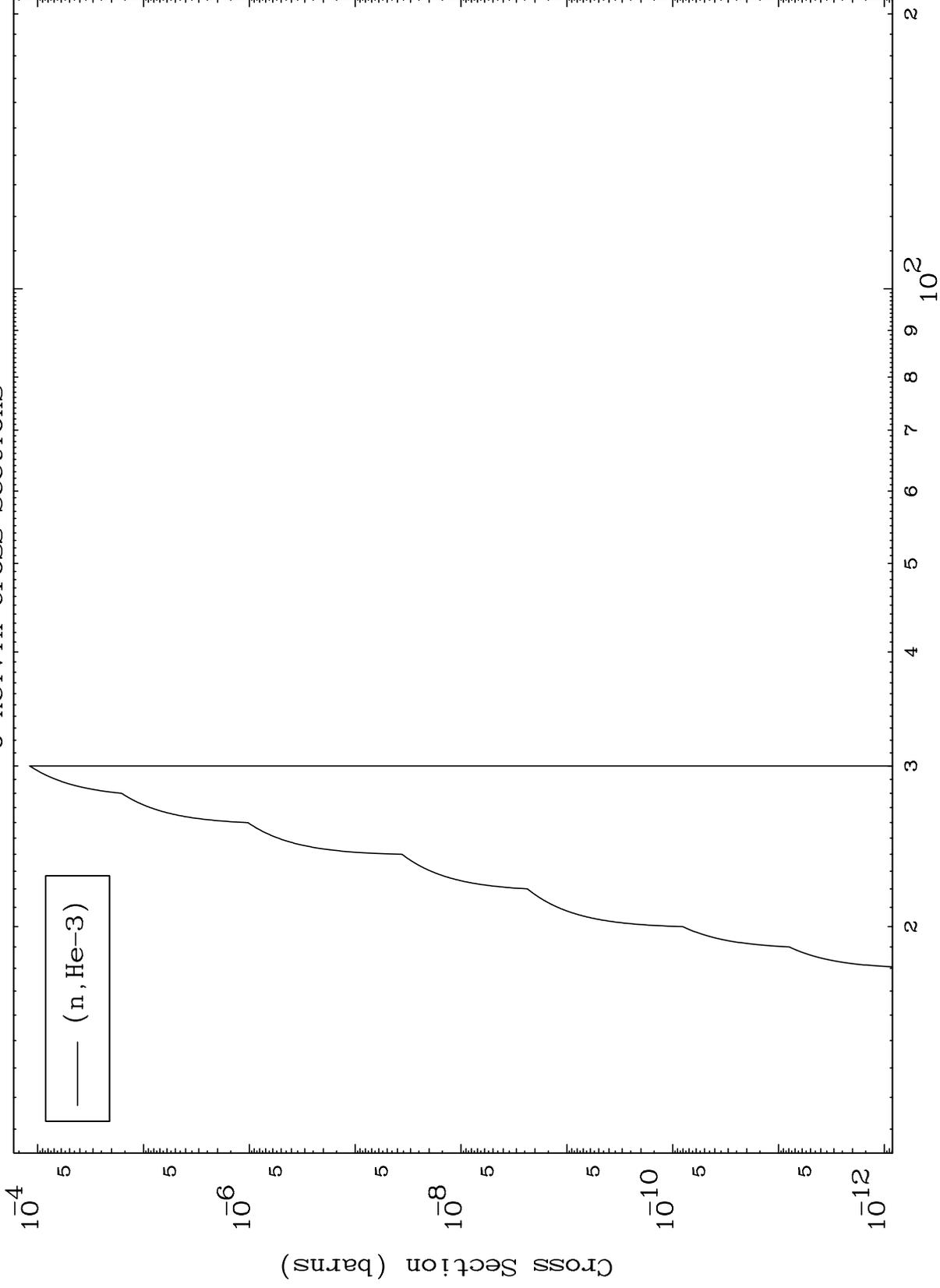


8

Incident Energy (MeV)

54-Xe-116

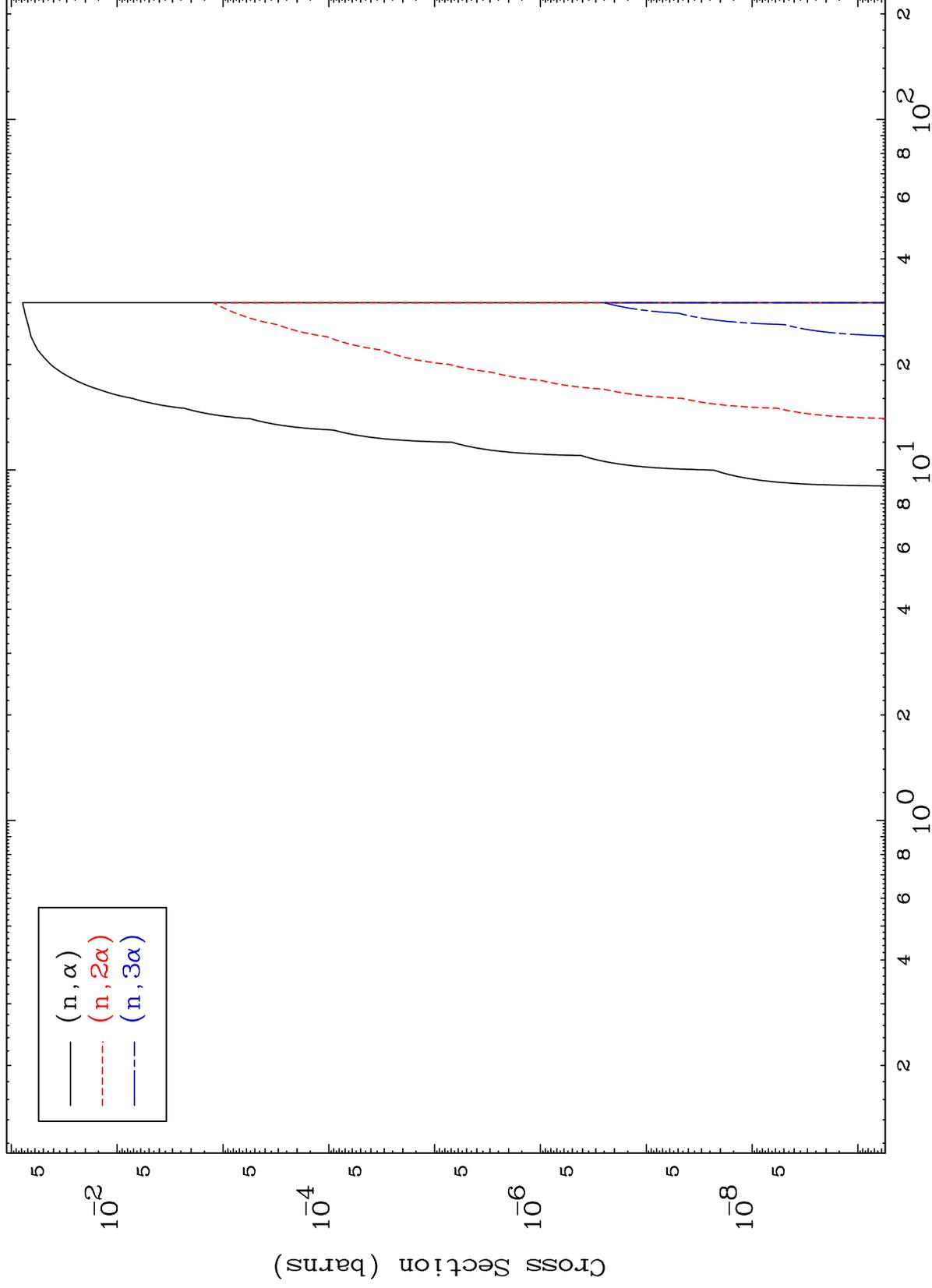
($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections



MAT 5401

54-Xe-116

(α, α) Levels
0 Kelvin Cross Sections



10

Incident Energy (MeV)

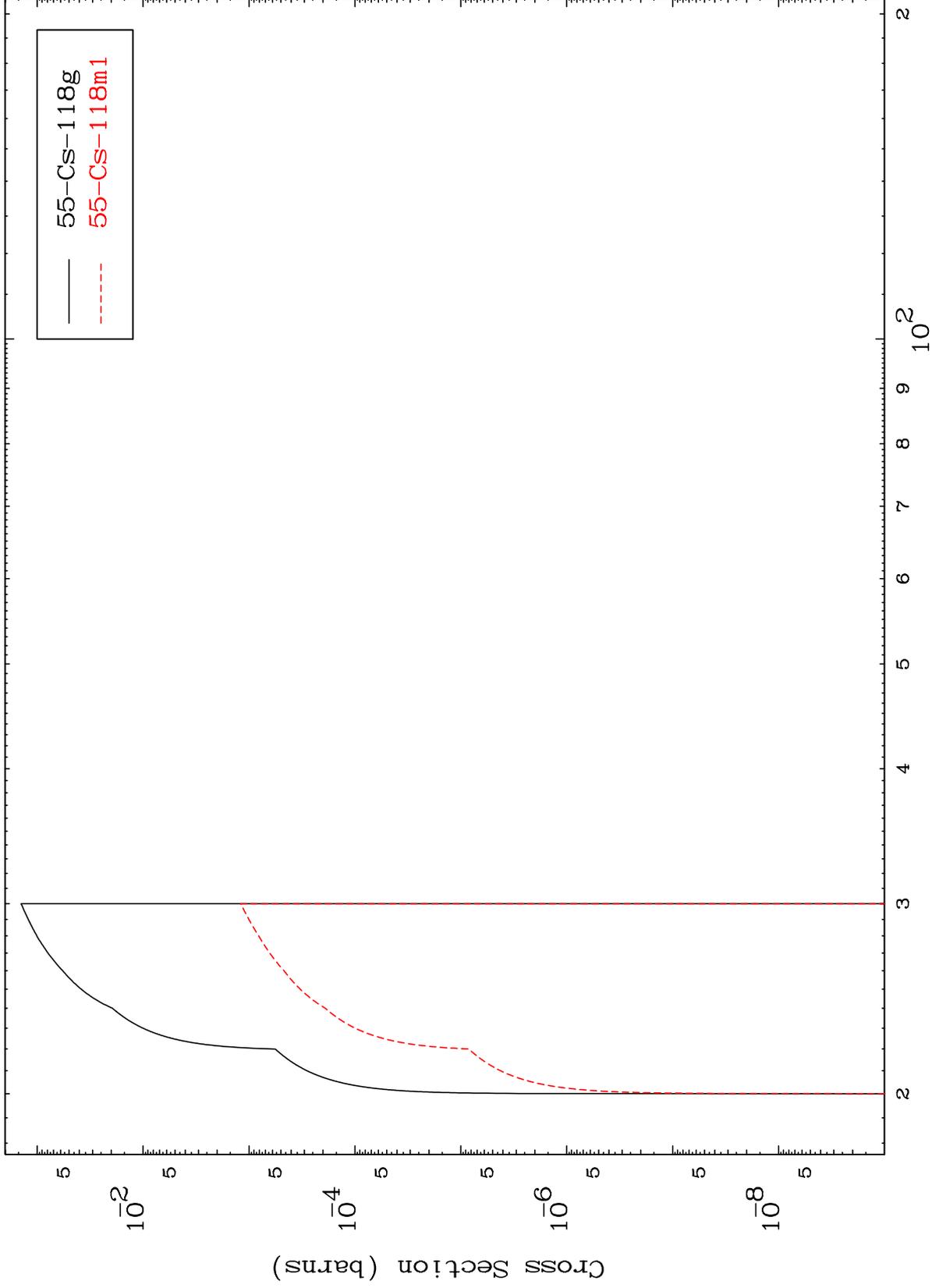
54-Xe-116

MAT 5401

(n,n') p

54-Xe-116

Radionuclide Production Cross Section



11

Incident Energy (MeV)

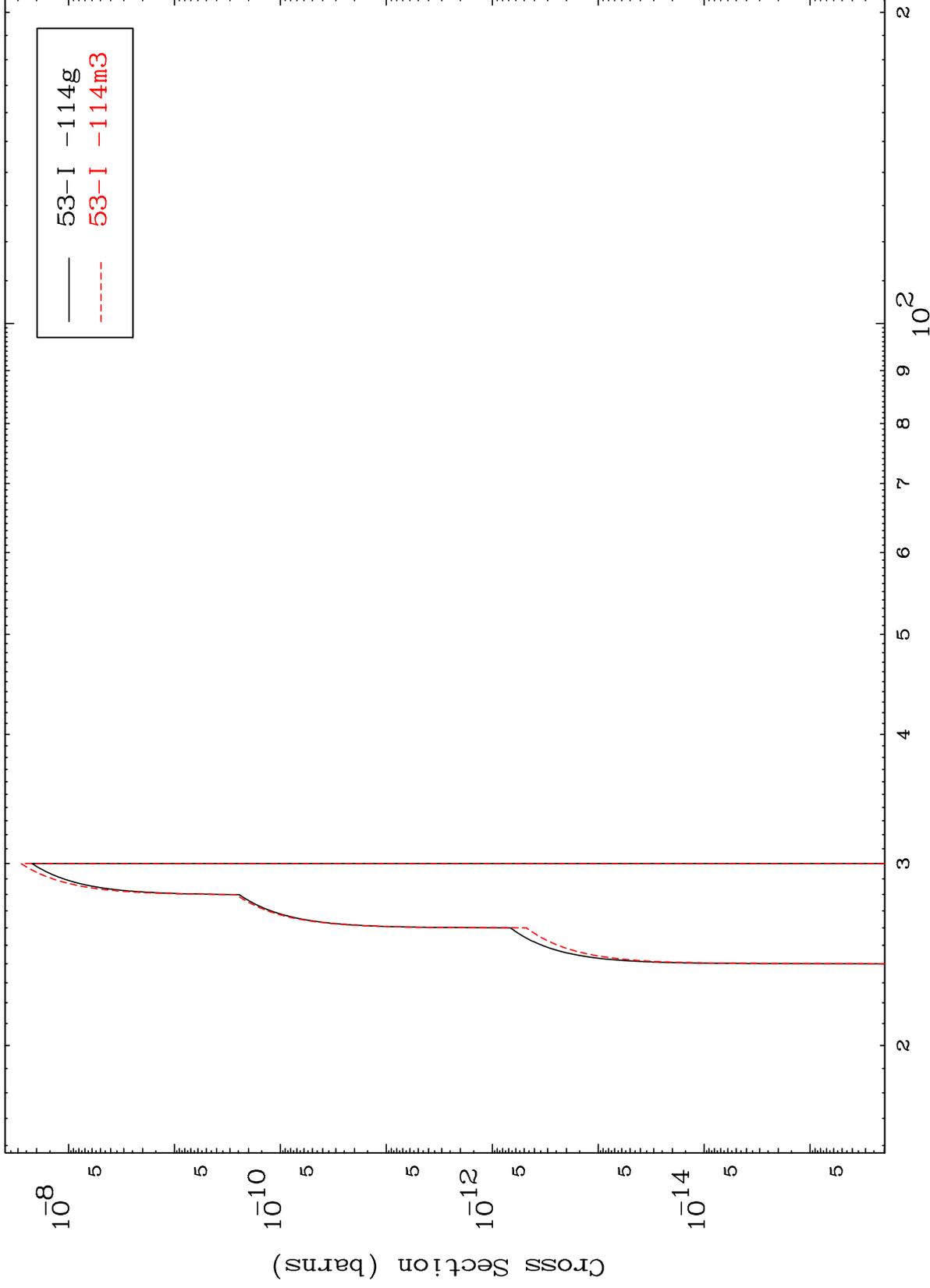
54-Xe-116

MAT 5401

(n,n') p α

54-Xe-116

Radionuclide Production Cross Section



12

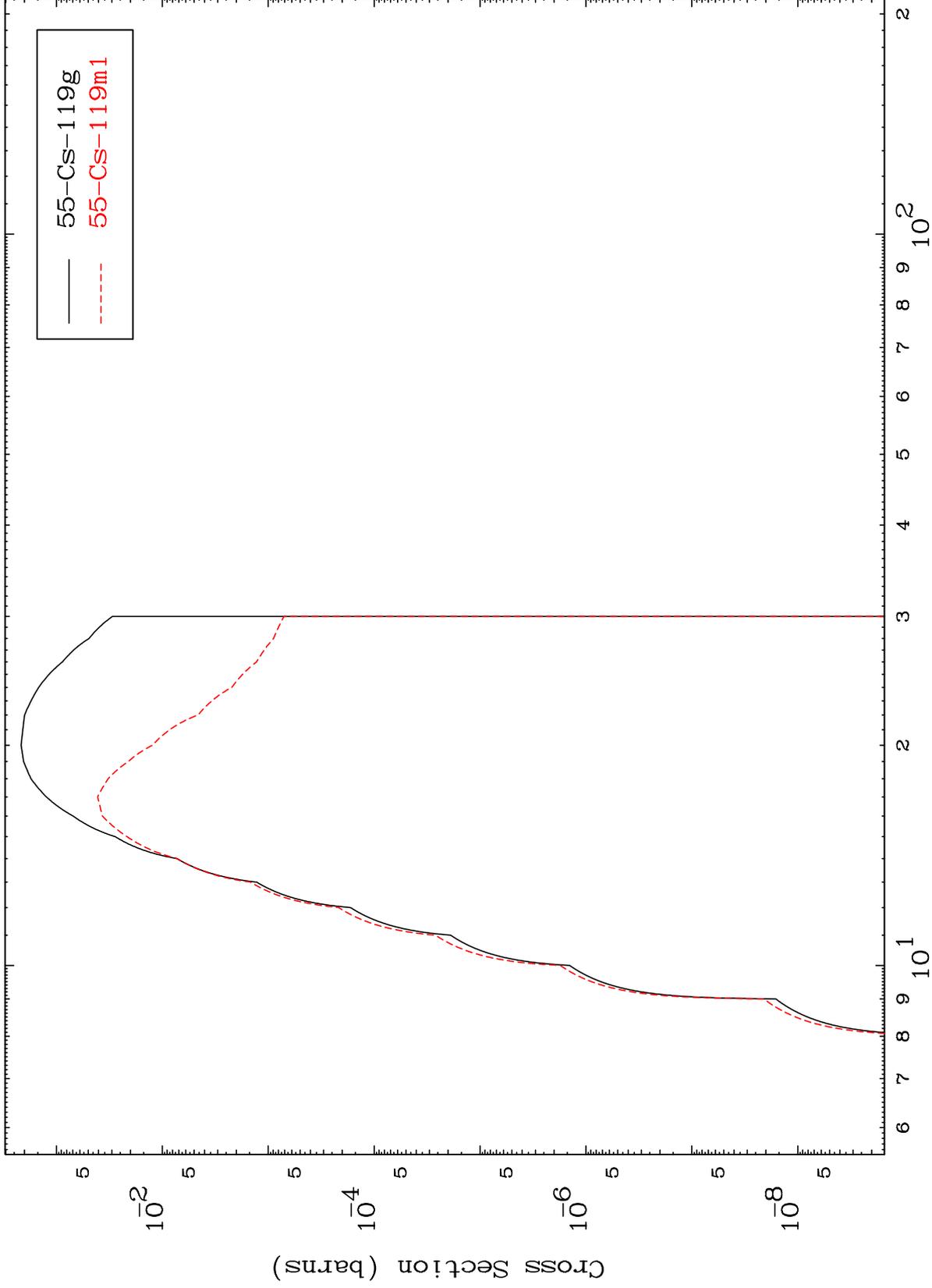
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

(n,p)
Radionuclide Production Cross Section



13

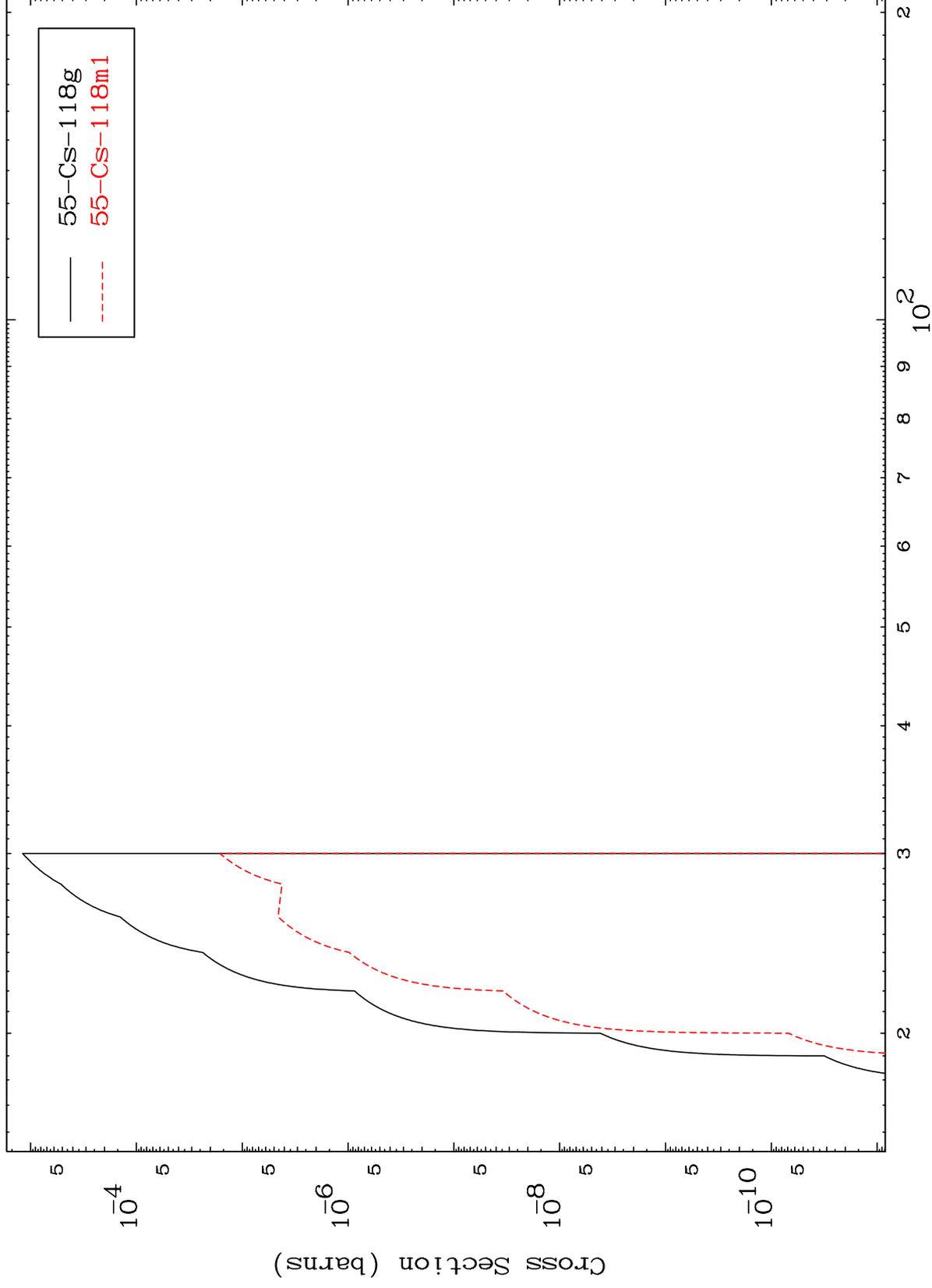
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

(n,d)
Radionuclide Production Cross Section



14

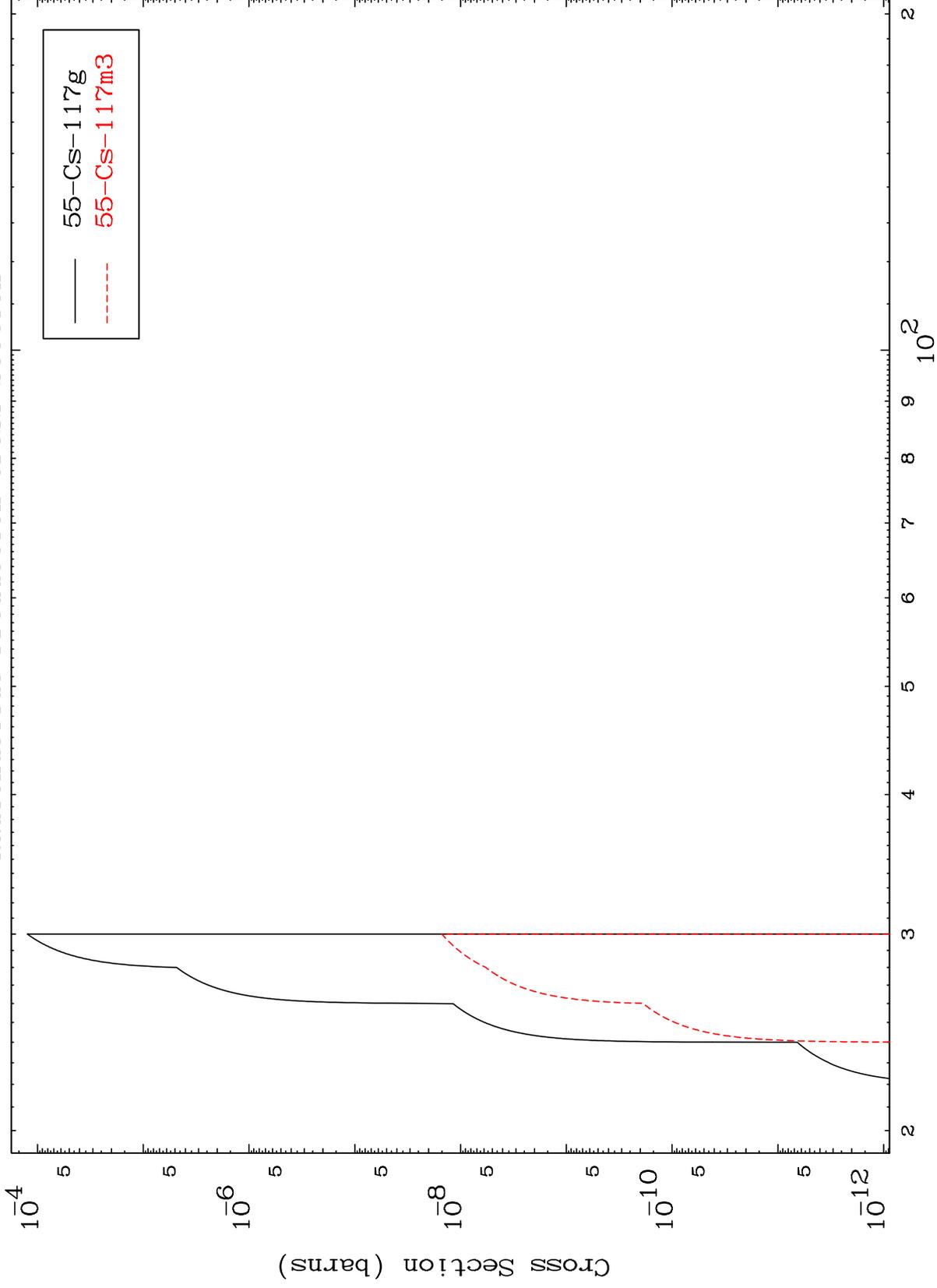
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

(n, t)
Radionuclide Production Cross Section



54-Xe-116

Incident Energy (MeV)

15