

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

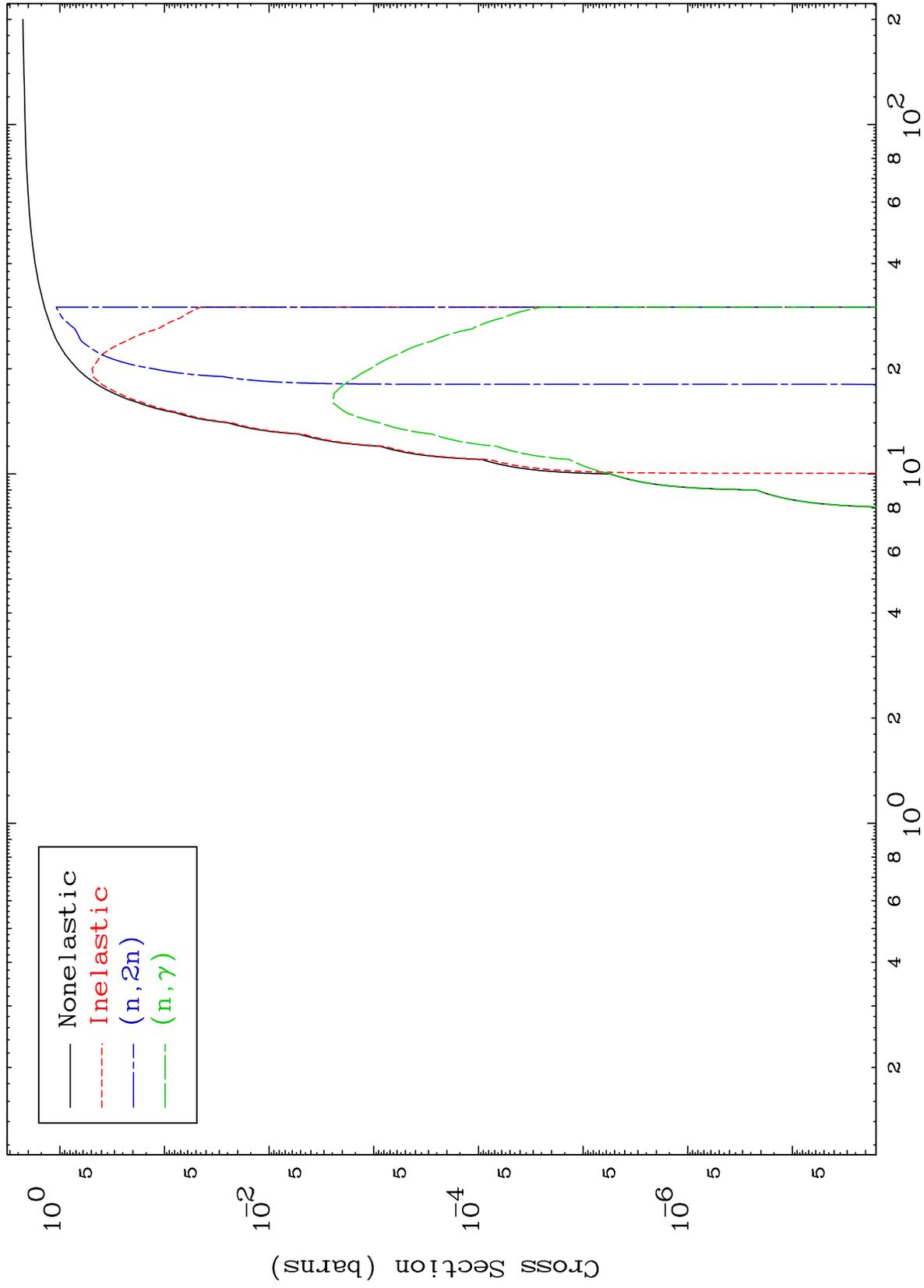
Press Mouse Button to Start

MAT 5431

0 Kelvin

α Major Cross Sections

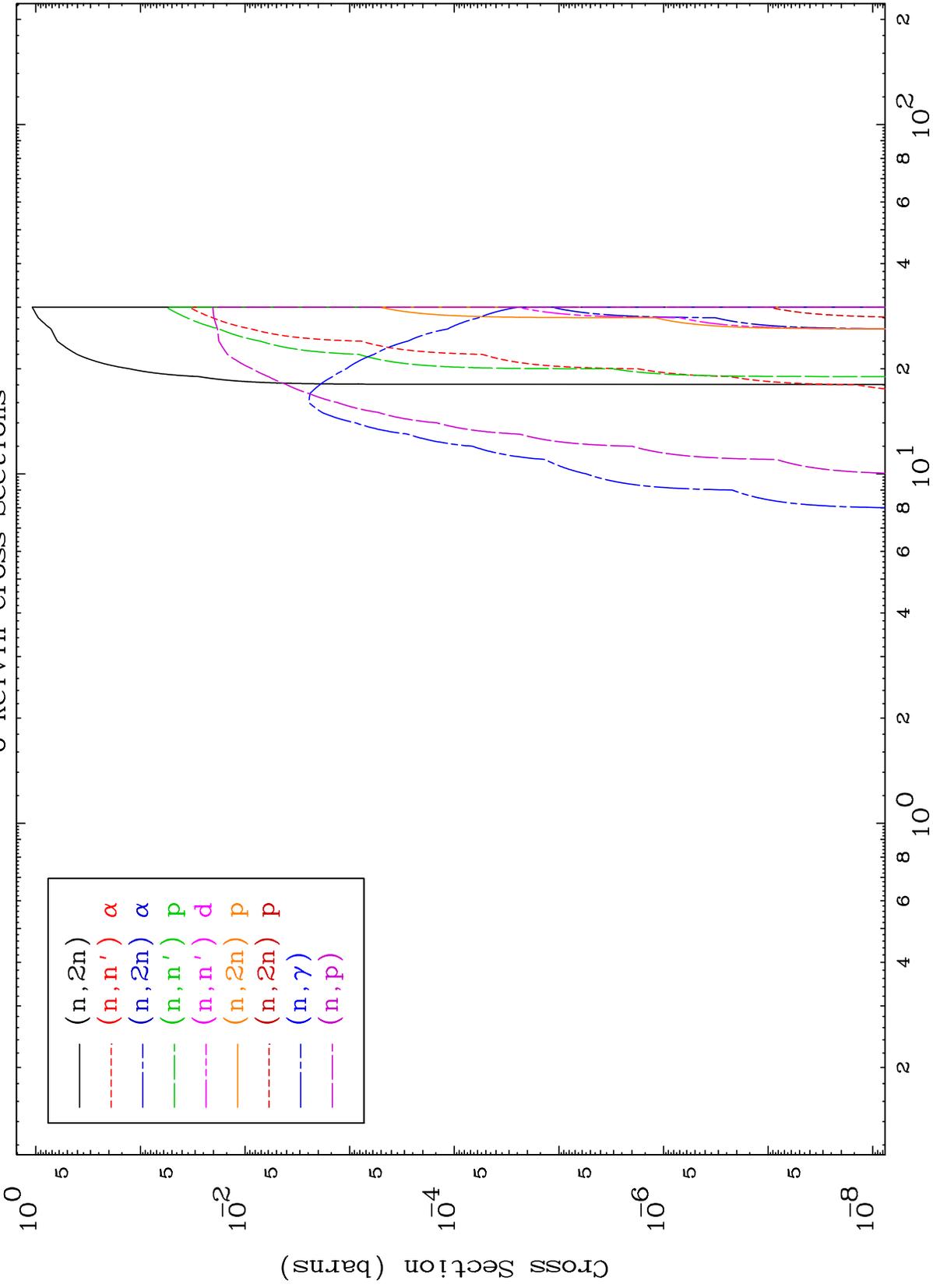
54-Xe-126



MAT 5431

α Neutron Absorption
0 Kelvin Cross Sections

54-Xe-126



2

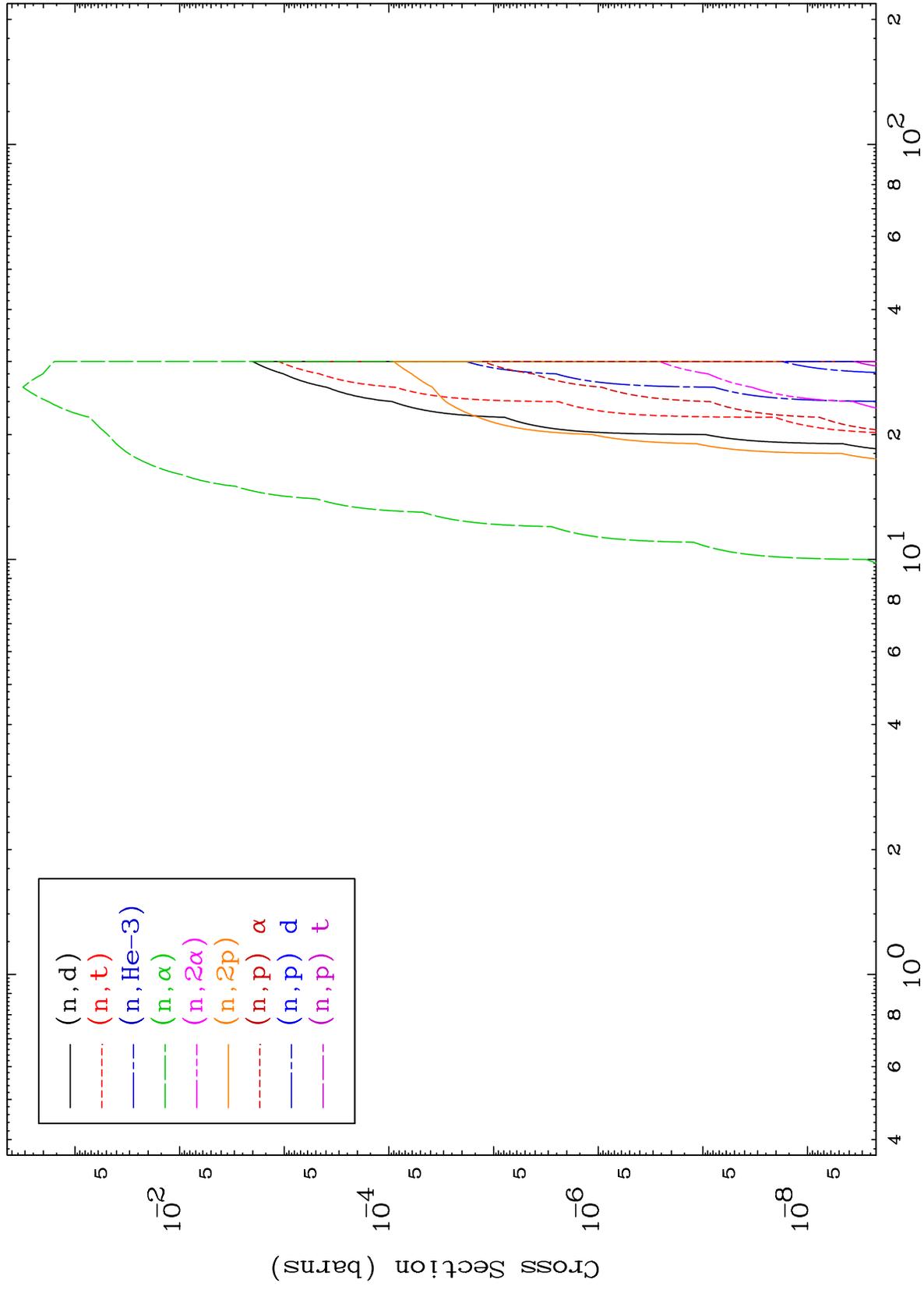
Incident Energy (MeV)

54-Xe-126

MAT 5431

α Neutron Absorption
0 Kelvin Cross Sections

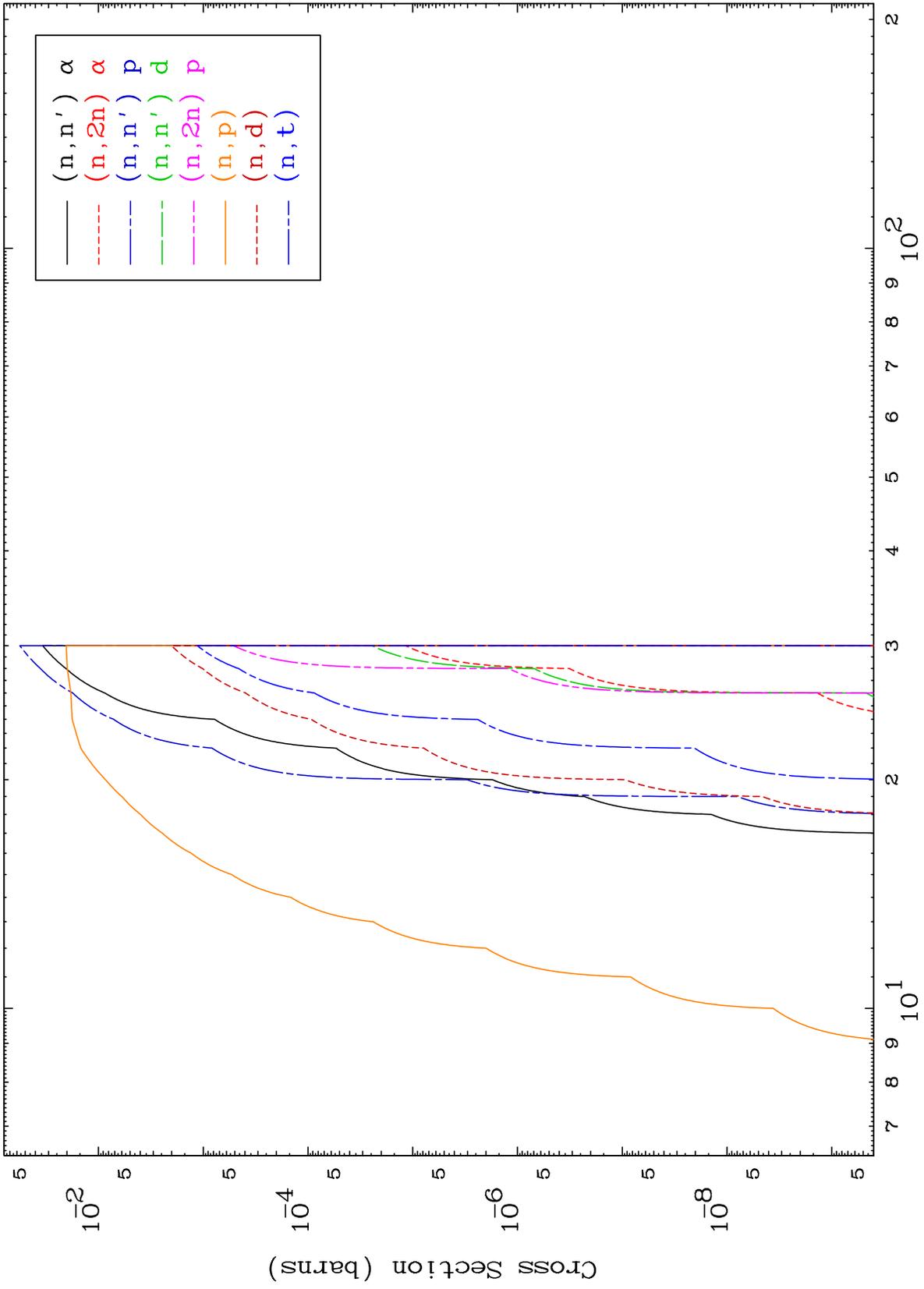
54-Xe-126



3

Incident Energy (MeV)

54-Xe-126

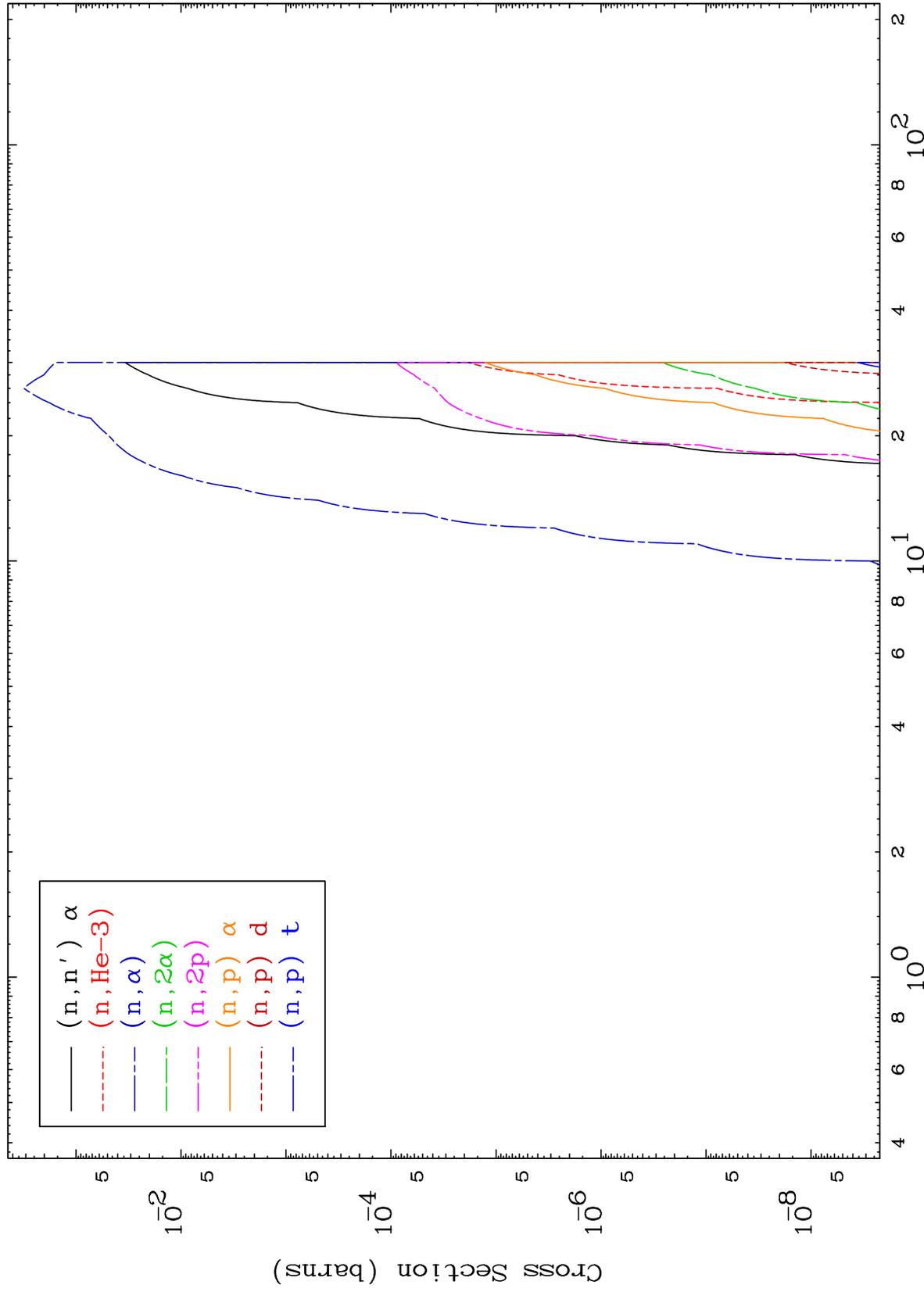


MAT 5431

α Charged Particle

54-Xe-126

0 Kelvin Cross Sections



5

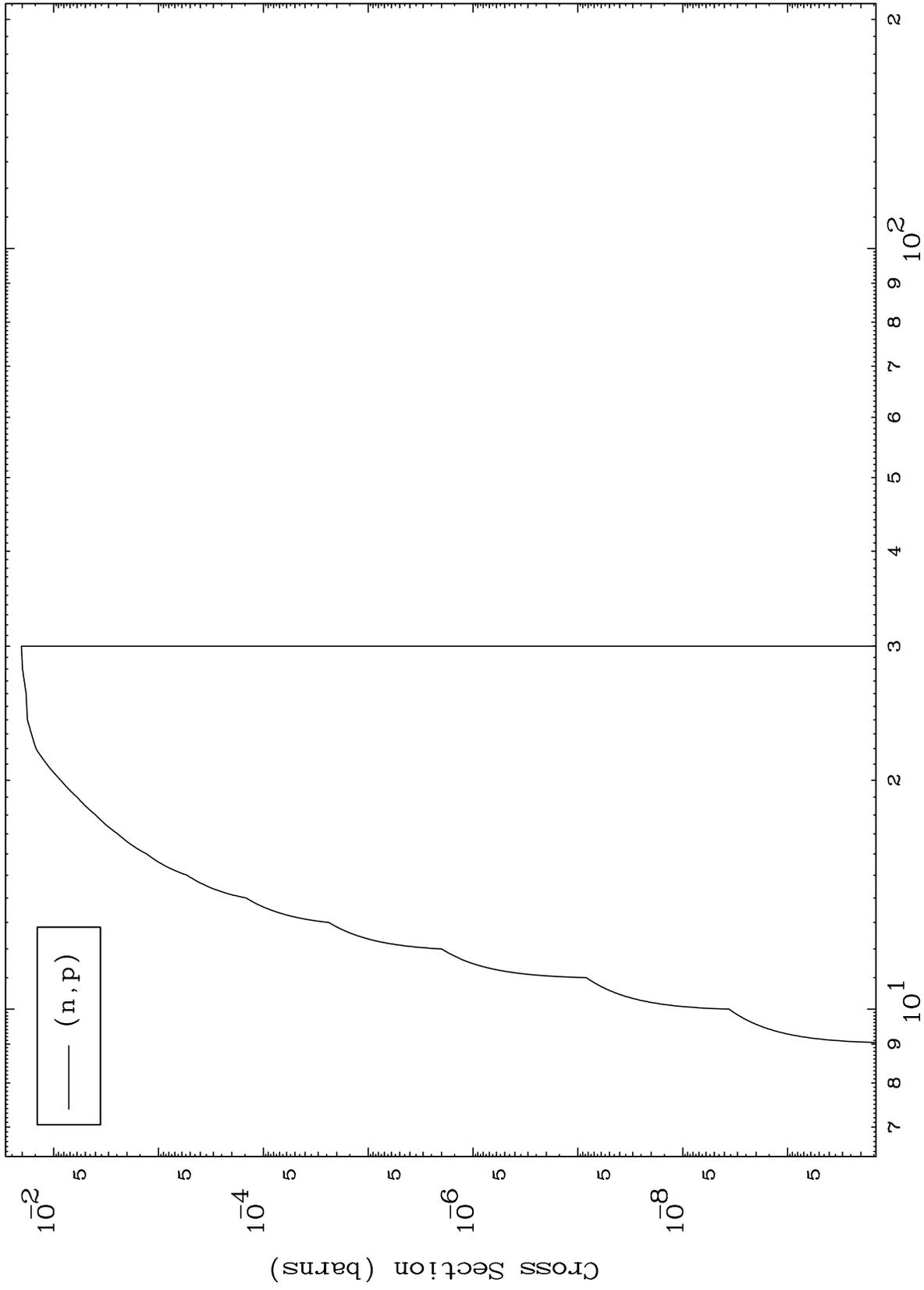
Incident Energy (MeV)

54-Xe-126

MAT 5431

(α, p) Levels
0 Kelvin Cross Sections

54-Xe-126



6

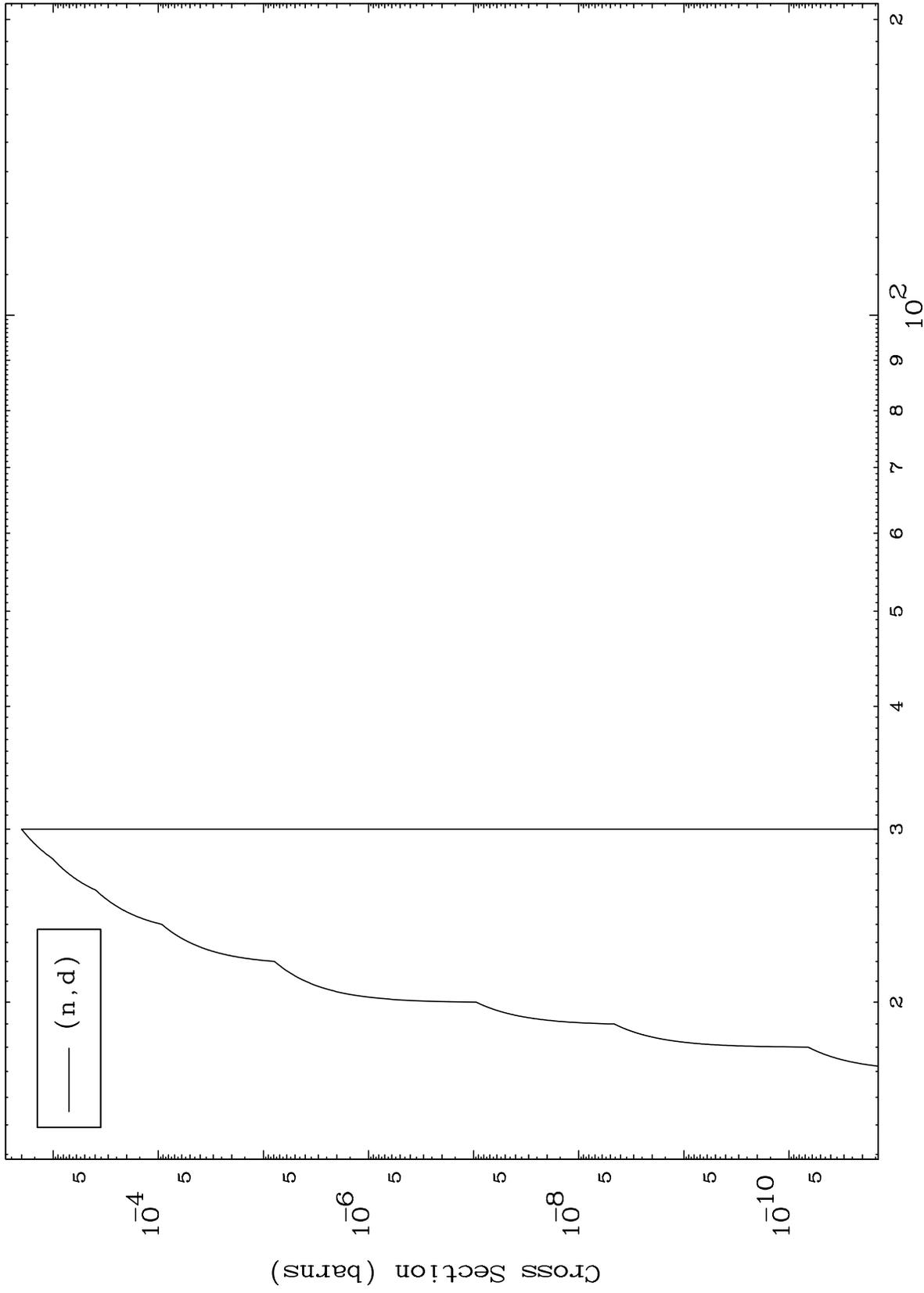
Incident Energy (MeV)

54-Xe-126

MAT 5431

(α, d) Levels
0 Kelvin Cross Sections

54-Xe-126



7

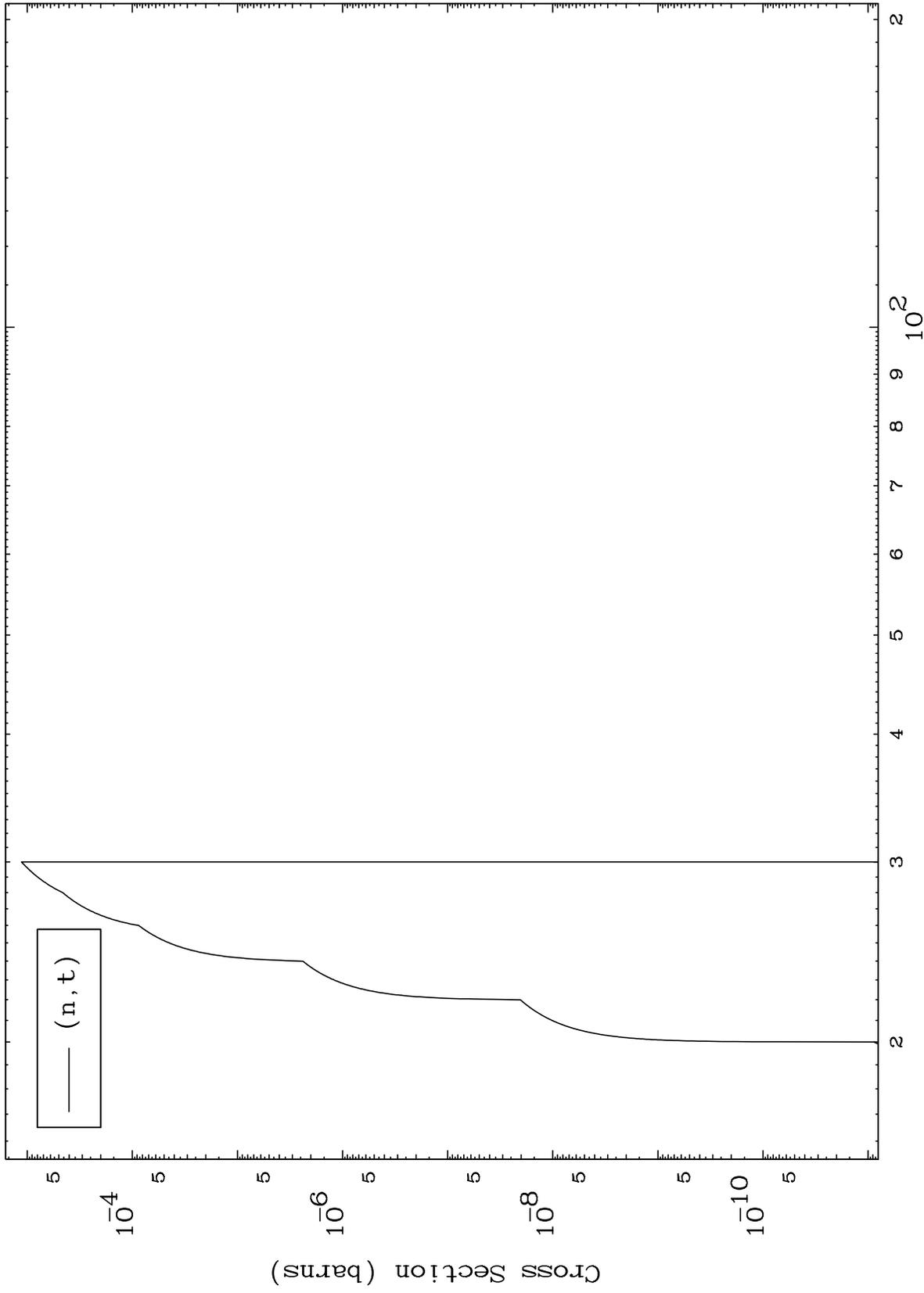
Incident Energy (MeV)

54-Xe-126

MAT 5431

(α, t) Levels
0 Kelvin Cross Sections

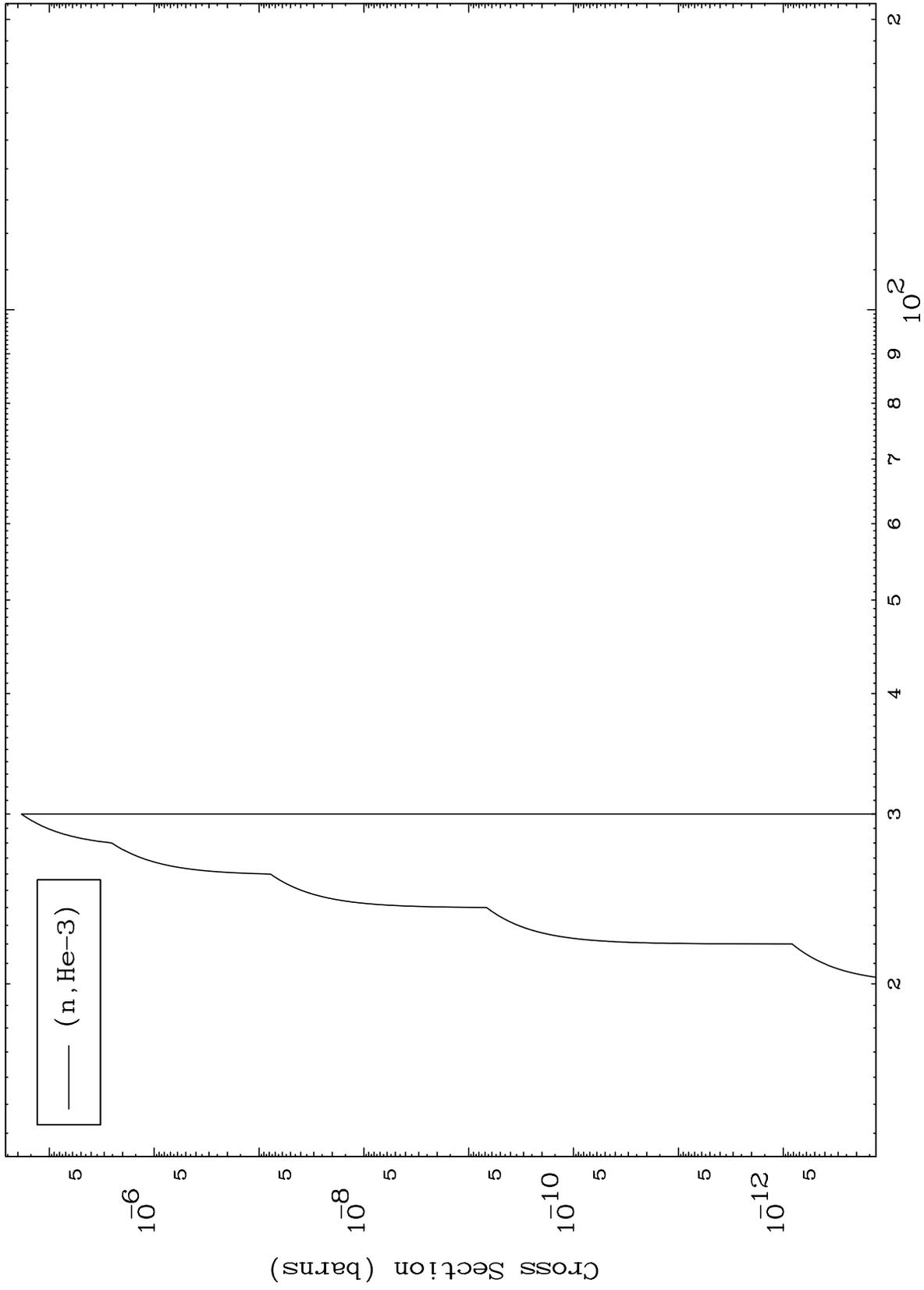
54-Xe-126



8

Incident Energy (MeV)

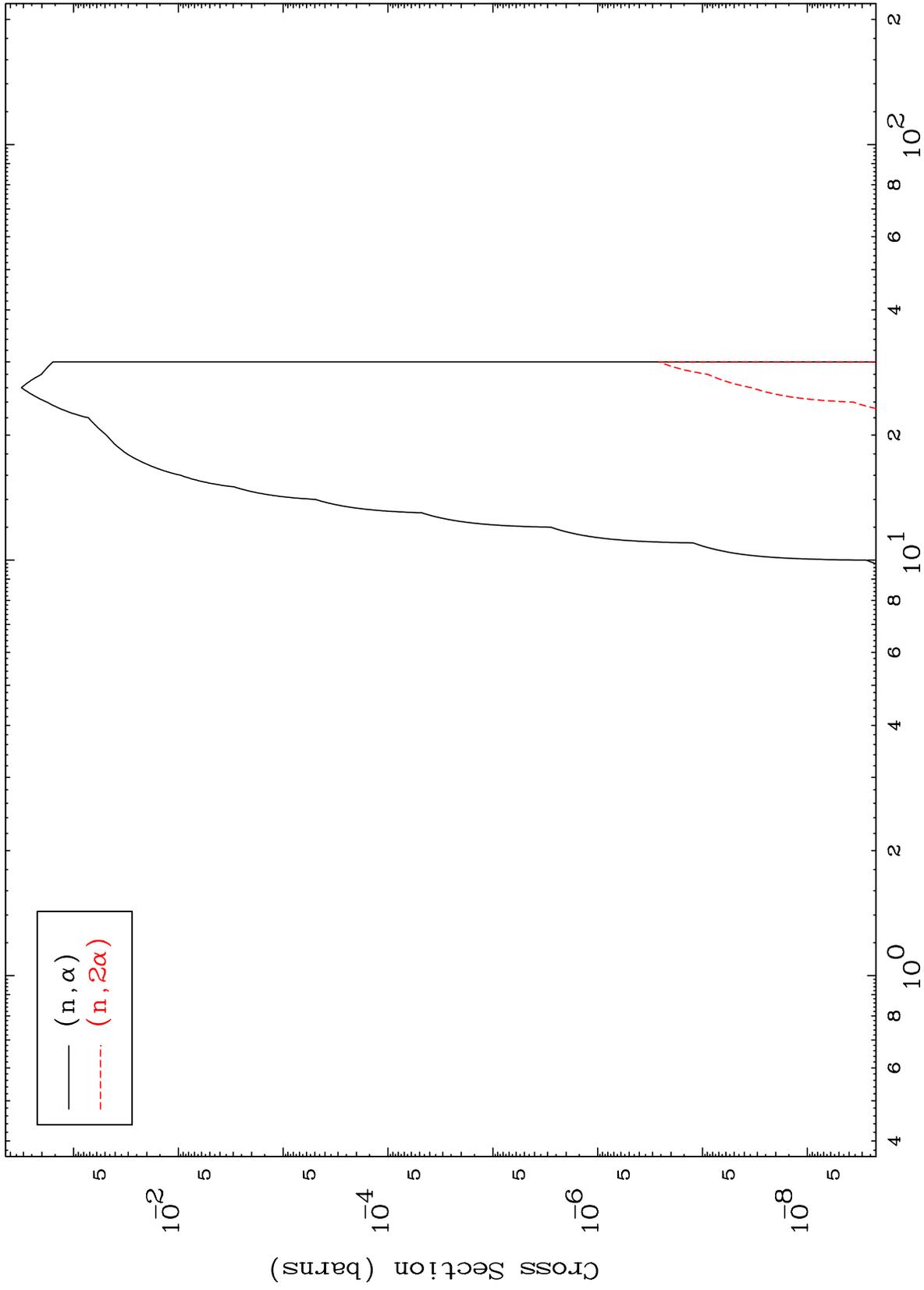
54-Xe-126



MAT 5431

0 Kelvin Cross Sections
(α, α) Levels

54-Xe-126



10

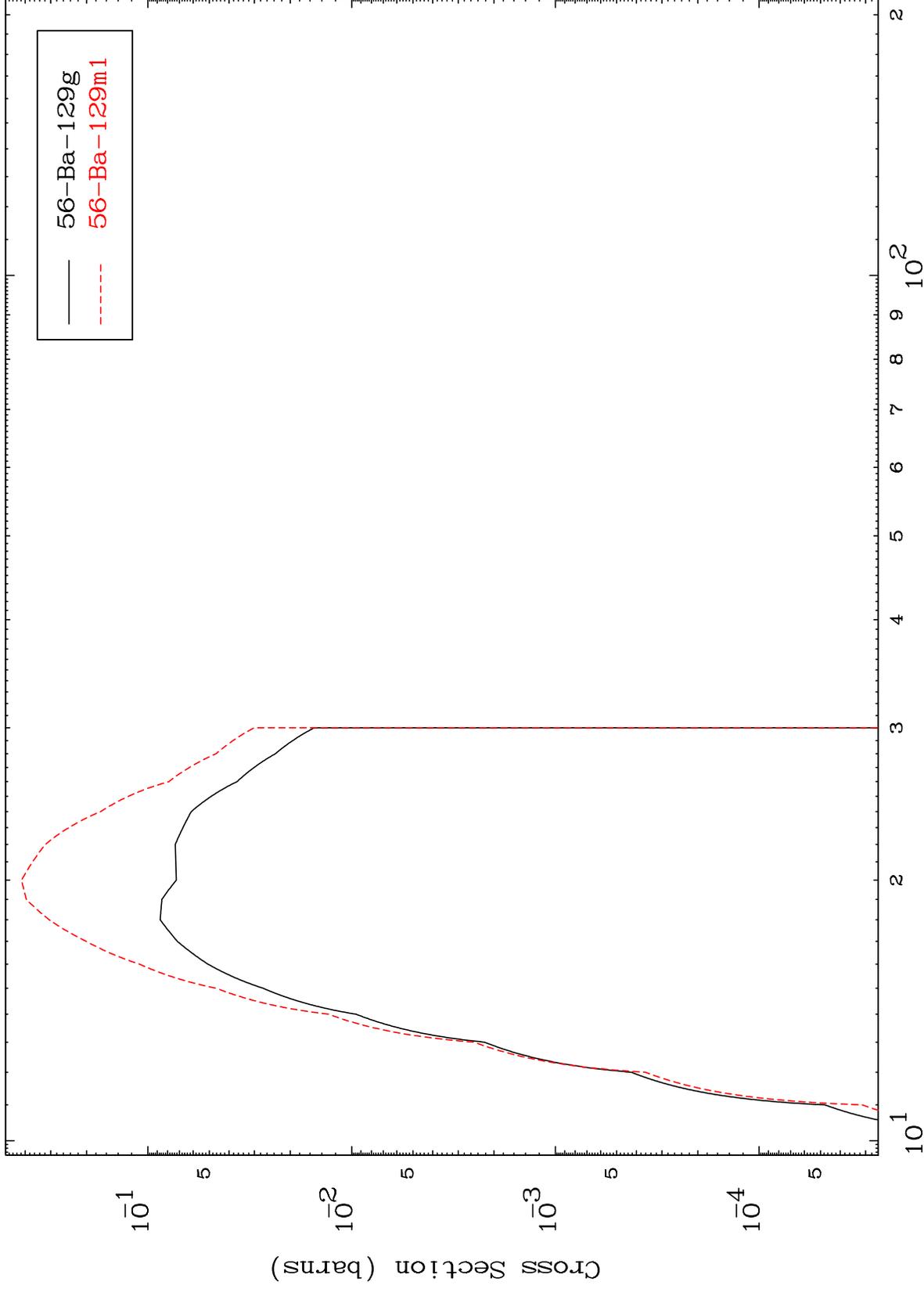
Incident Energy (MeV)

54-Xe-126

MAT 5431

Inelastic
Radionuclide Production Cross Section

54-Xe-126



11

Incident Energy (MeV)

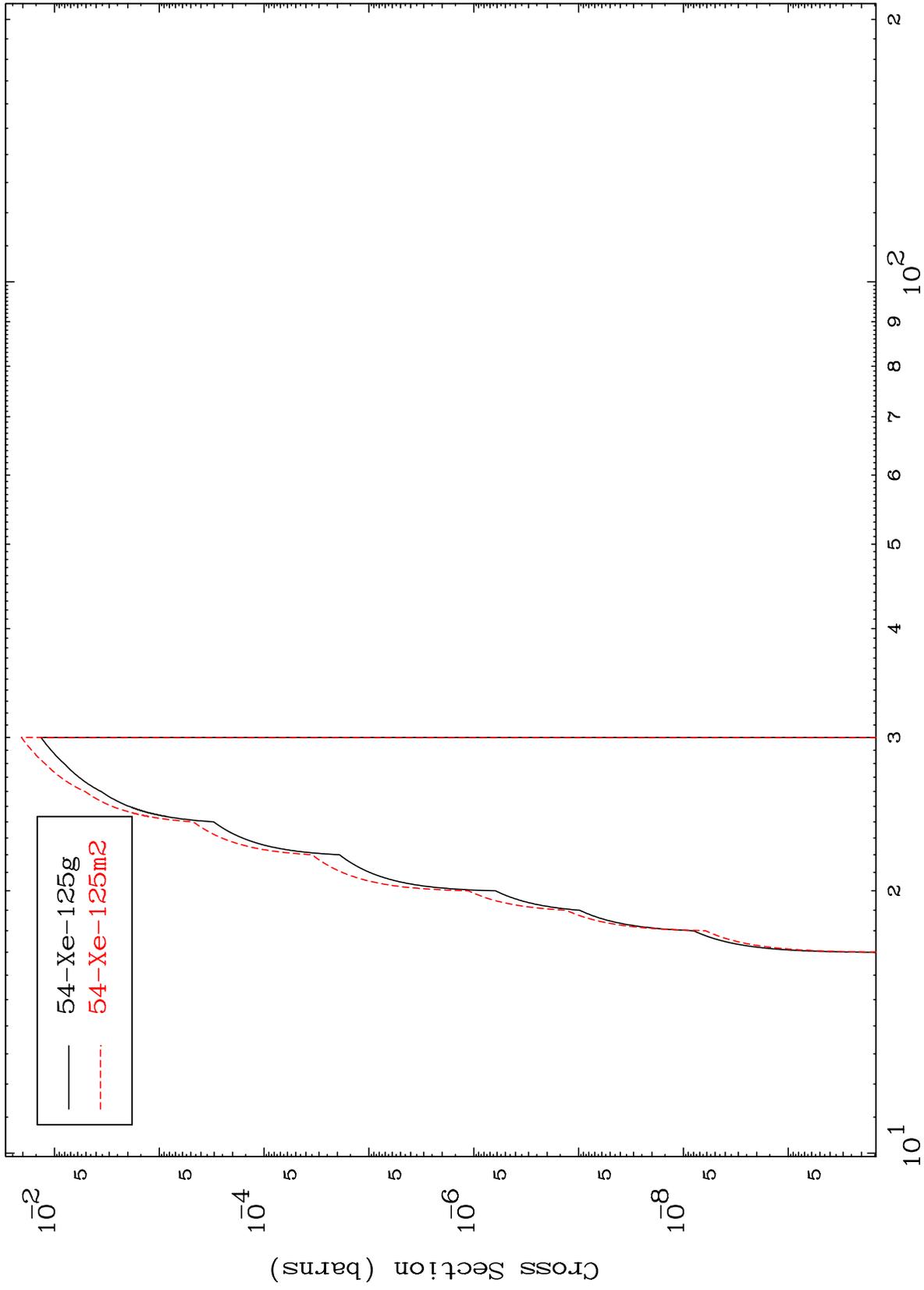
54-Xe-126

MAT 5431

(n,n') α

54-Xe-126

Radionuclide Production Cross Section



12

Incident Energy (MeV)

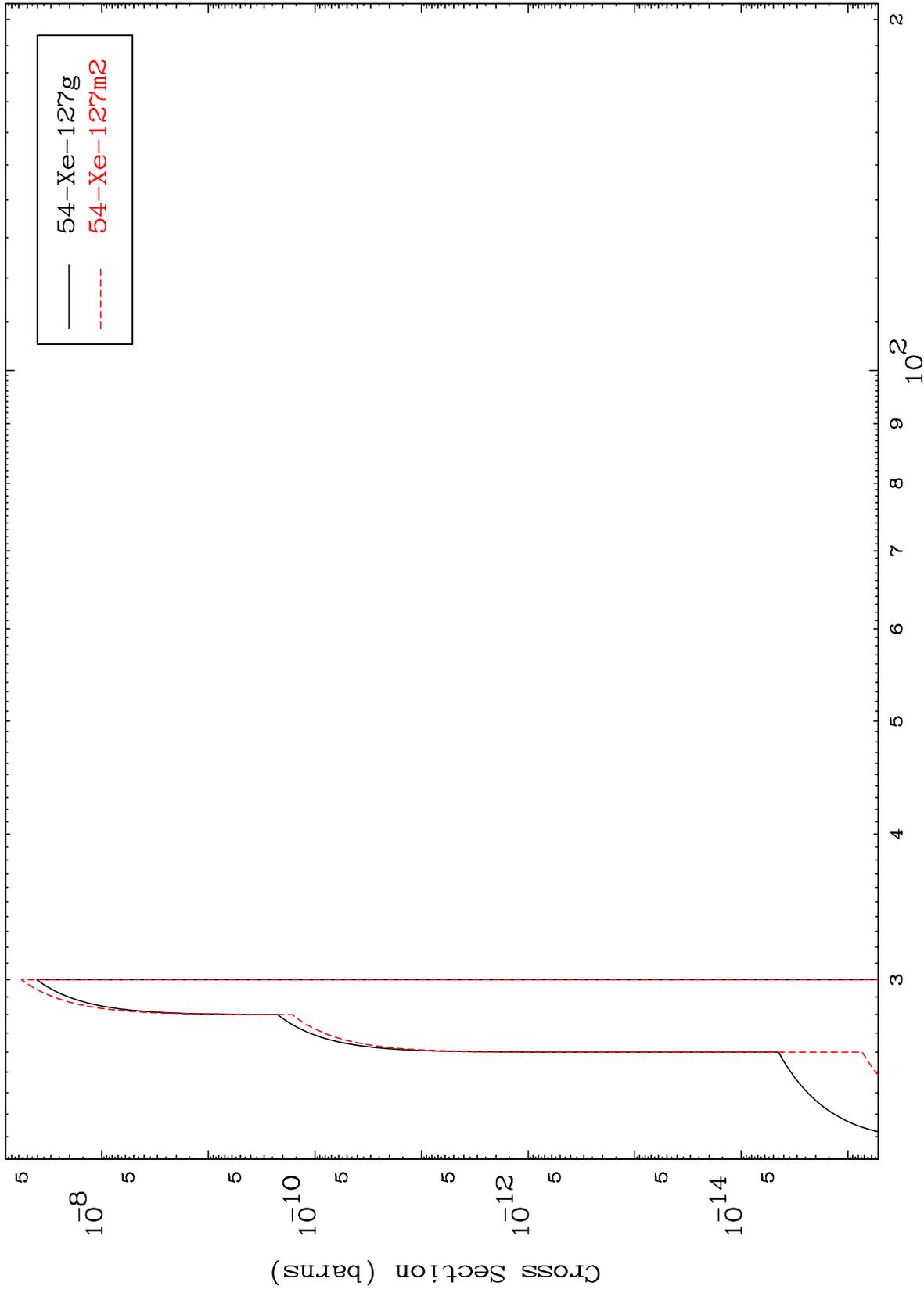
54-Xe-126

MAT 5431

(n,2n) p

54-Xe-126

Radionuclide Production Cross Section



13

Incident Energy (MeV)

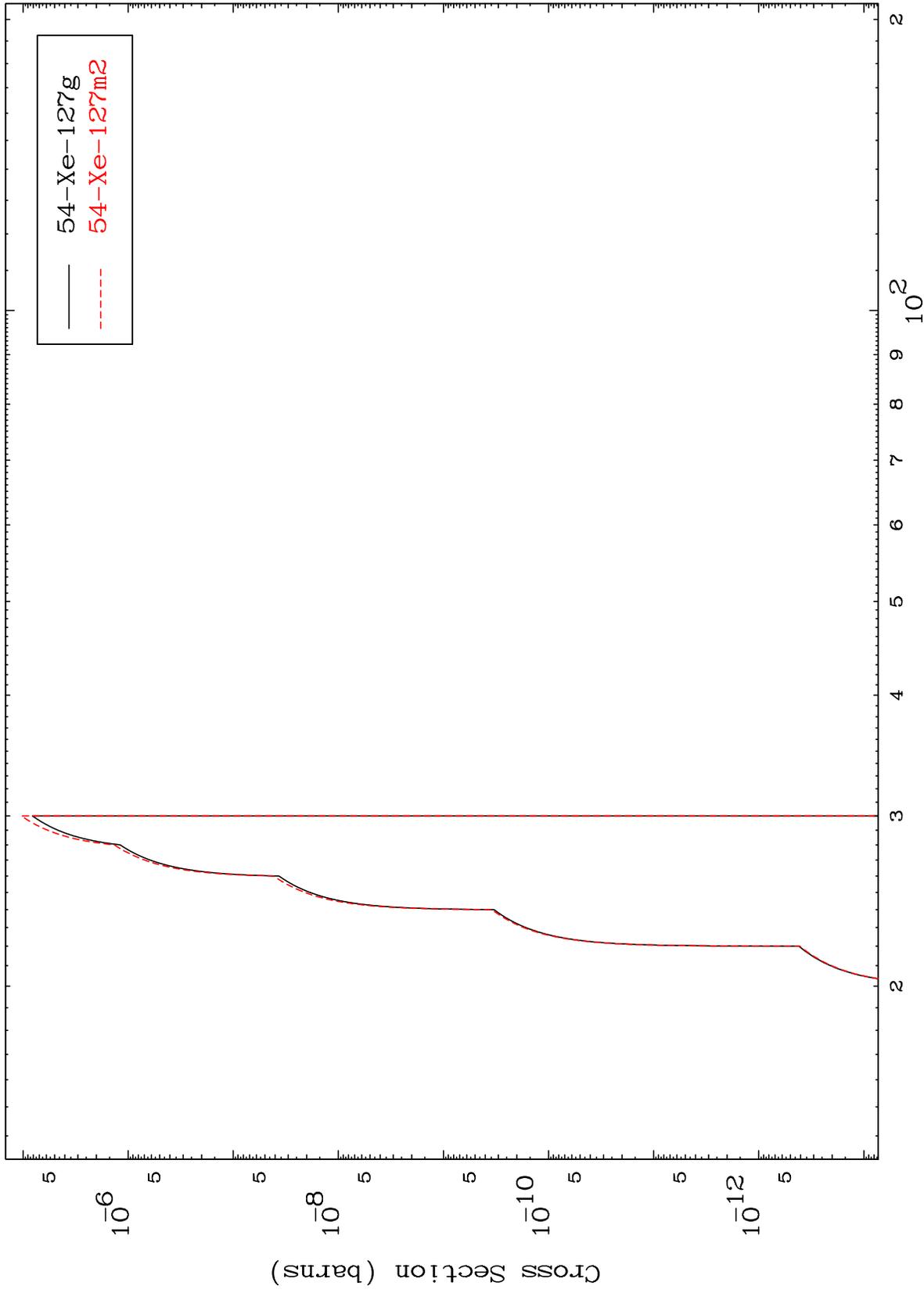
54-Xe-126

MAT 5431

(n, He-3)

54-Xe-126

Radionuclide Production Cross Section



14

Incident Energy (MeV)

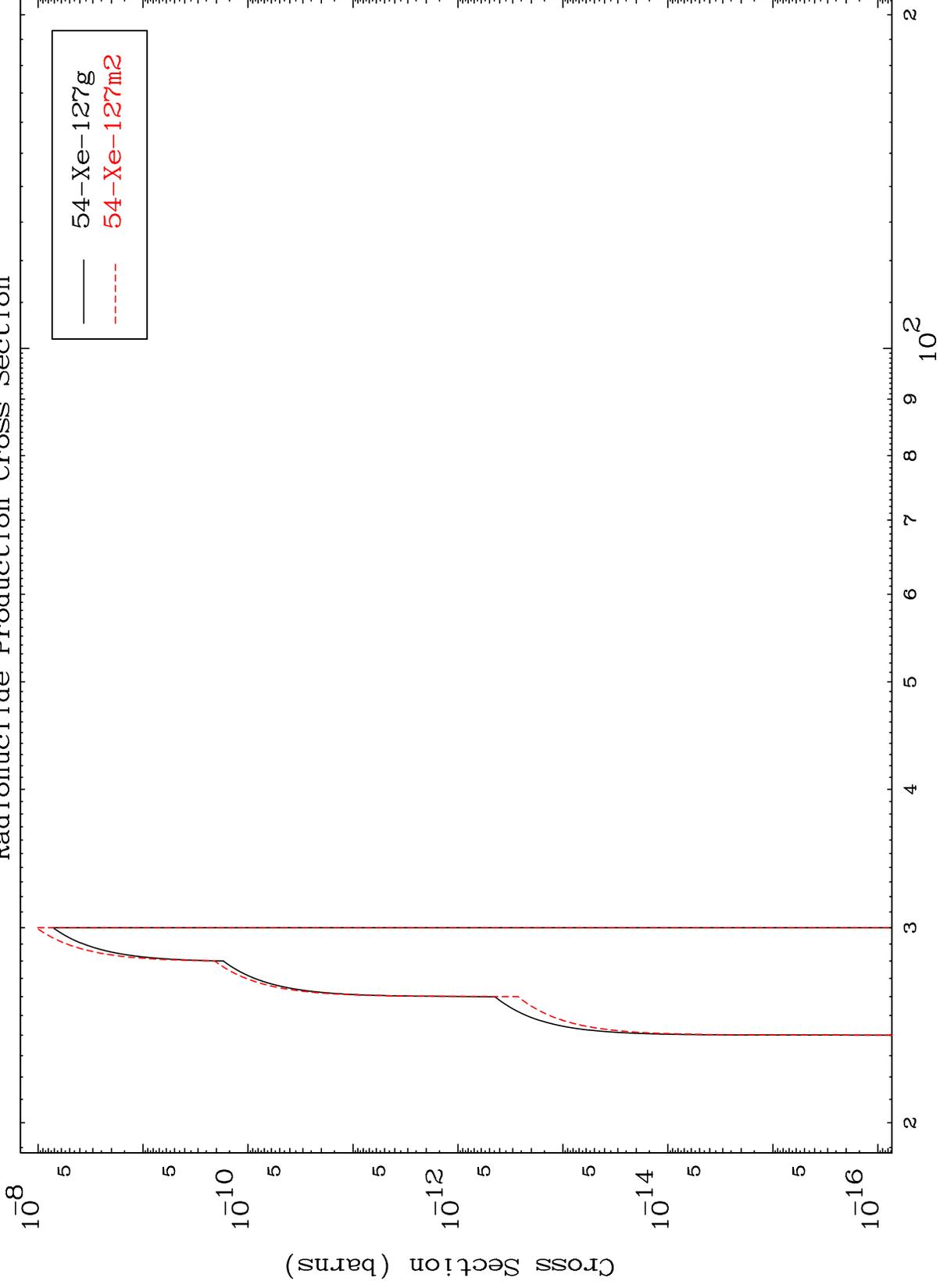
54-Xe-126

MAT 5431

(n,p) d

54-Xe-126

Radionuclide Production Cross Section



15

Incident Energy (MeV)

54-Xe-126