

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

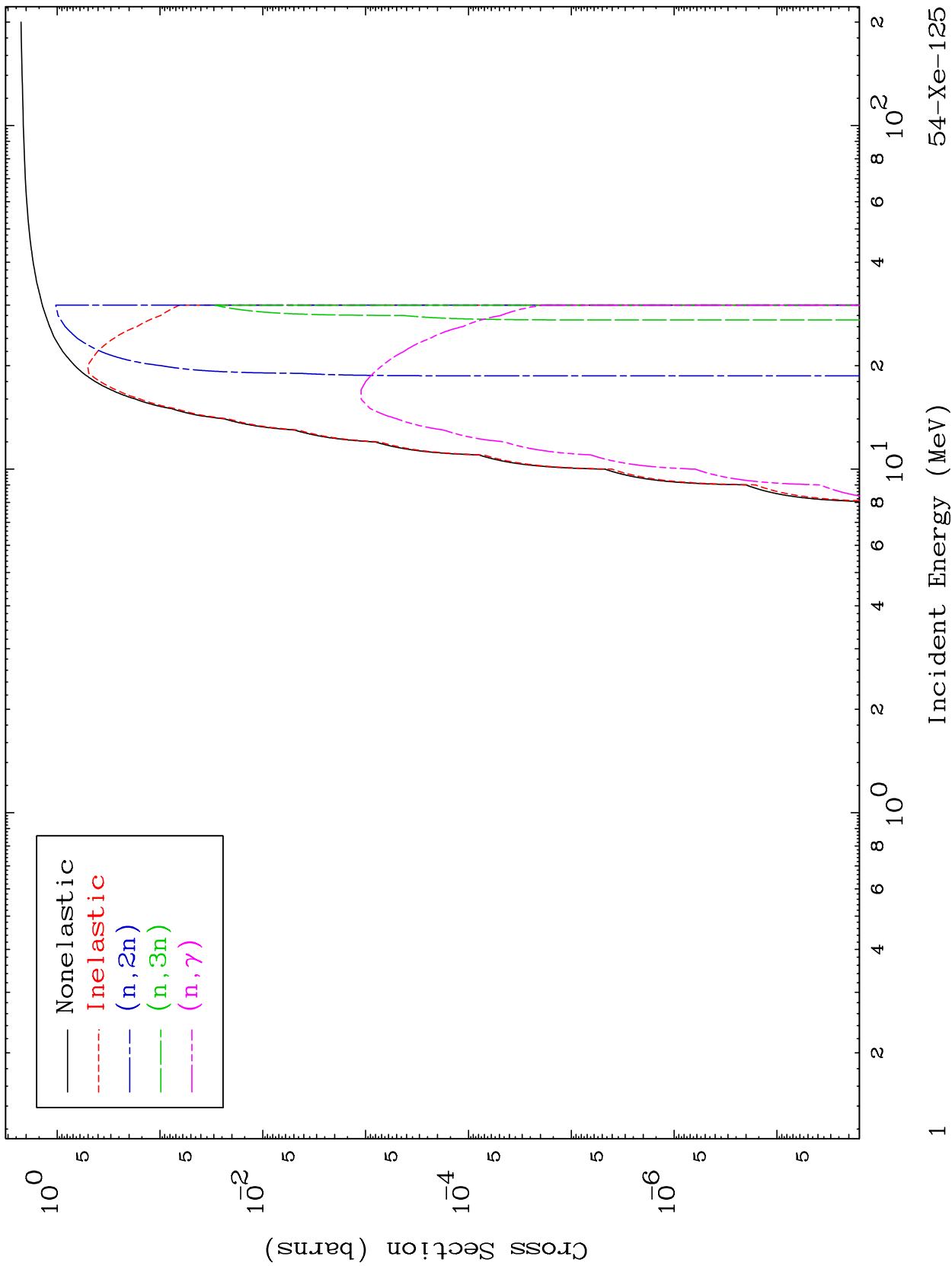
Press Mouse Button to Start

MAT 5428

0 Kelvin

α Major Cross Sections

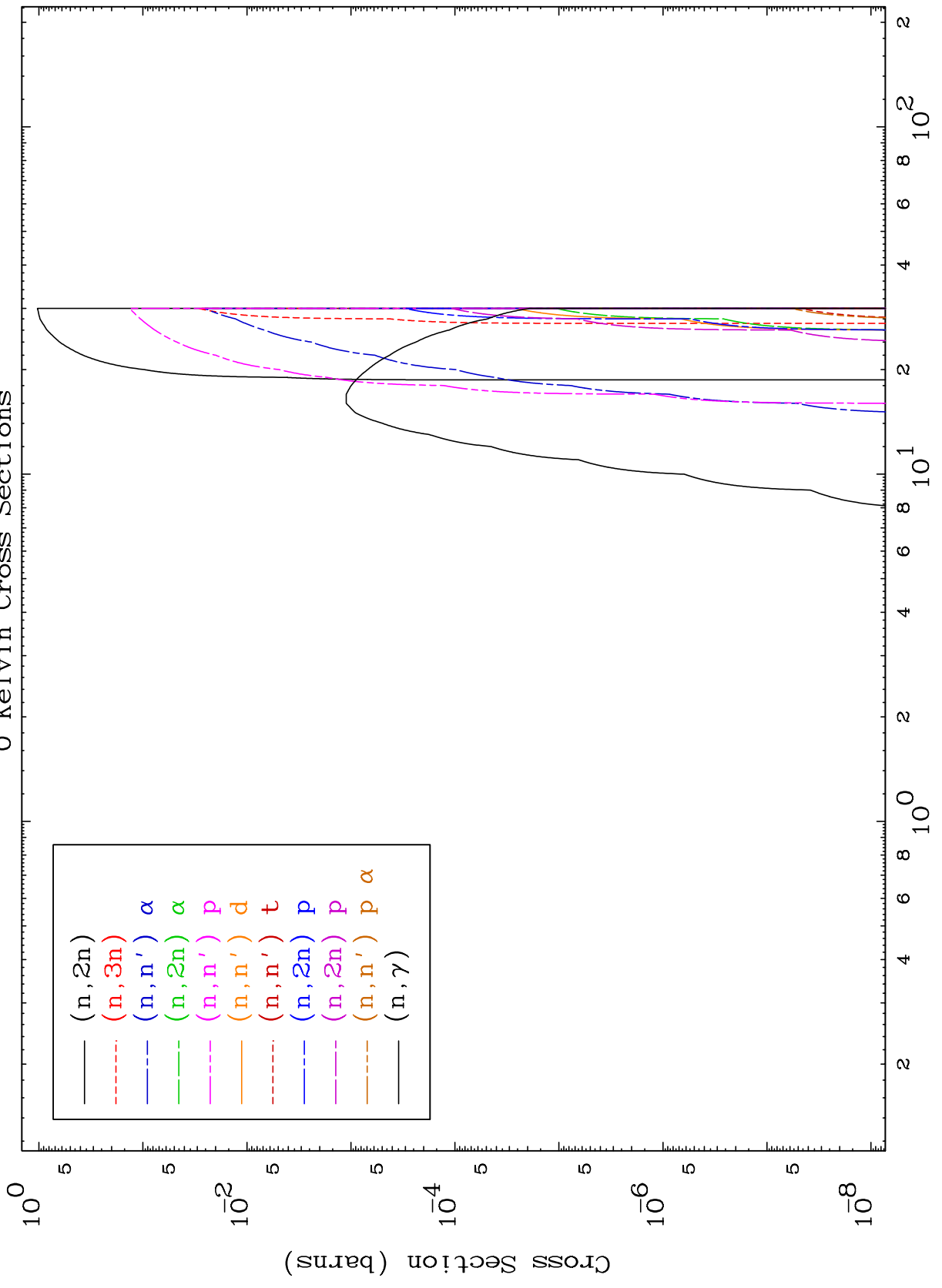
54-Xe-125



MAT 5428

α Neutron Absorption
0 Kelvin Cross Sections

54-Xe-125



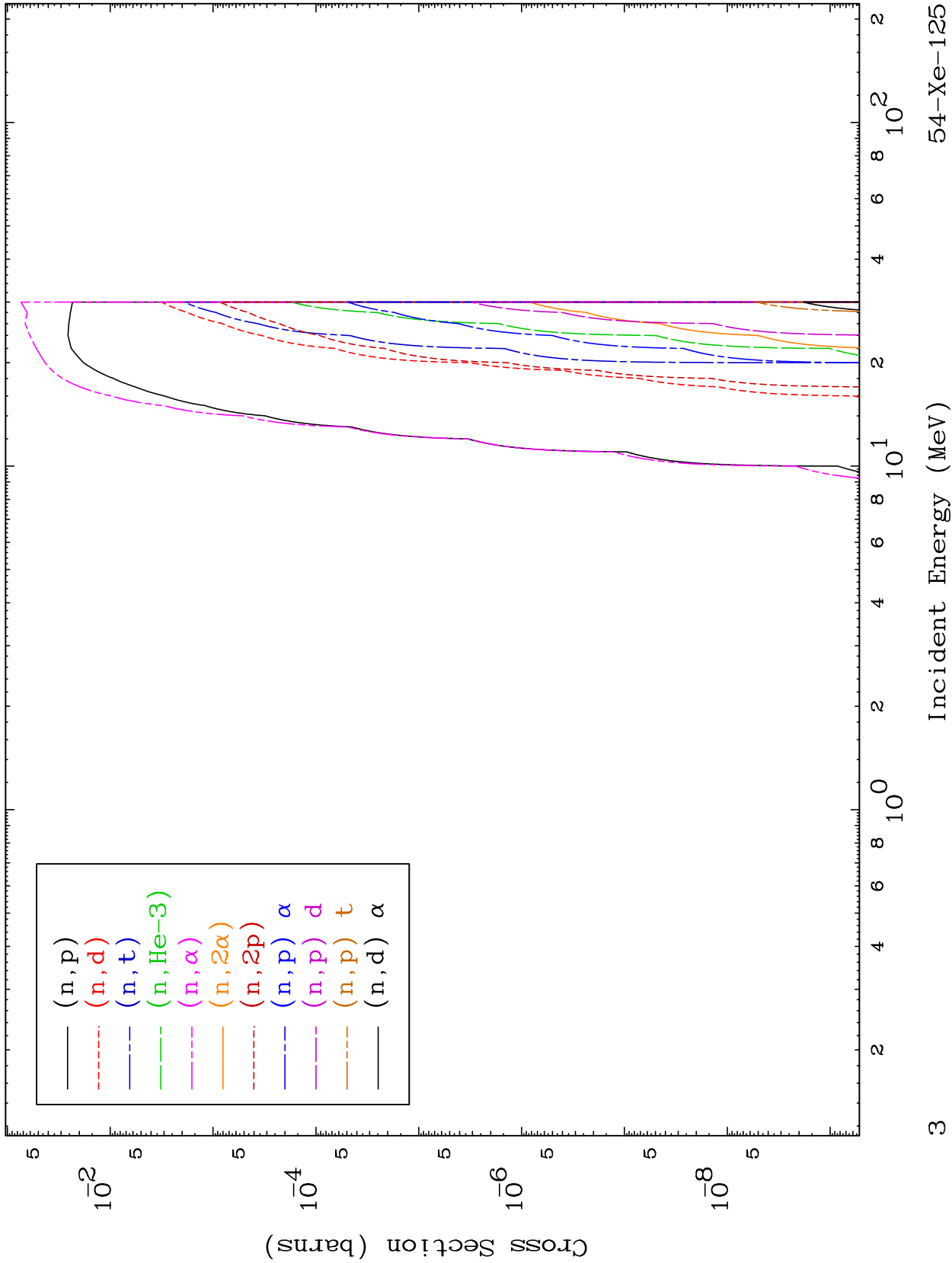
54-Xe-125

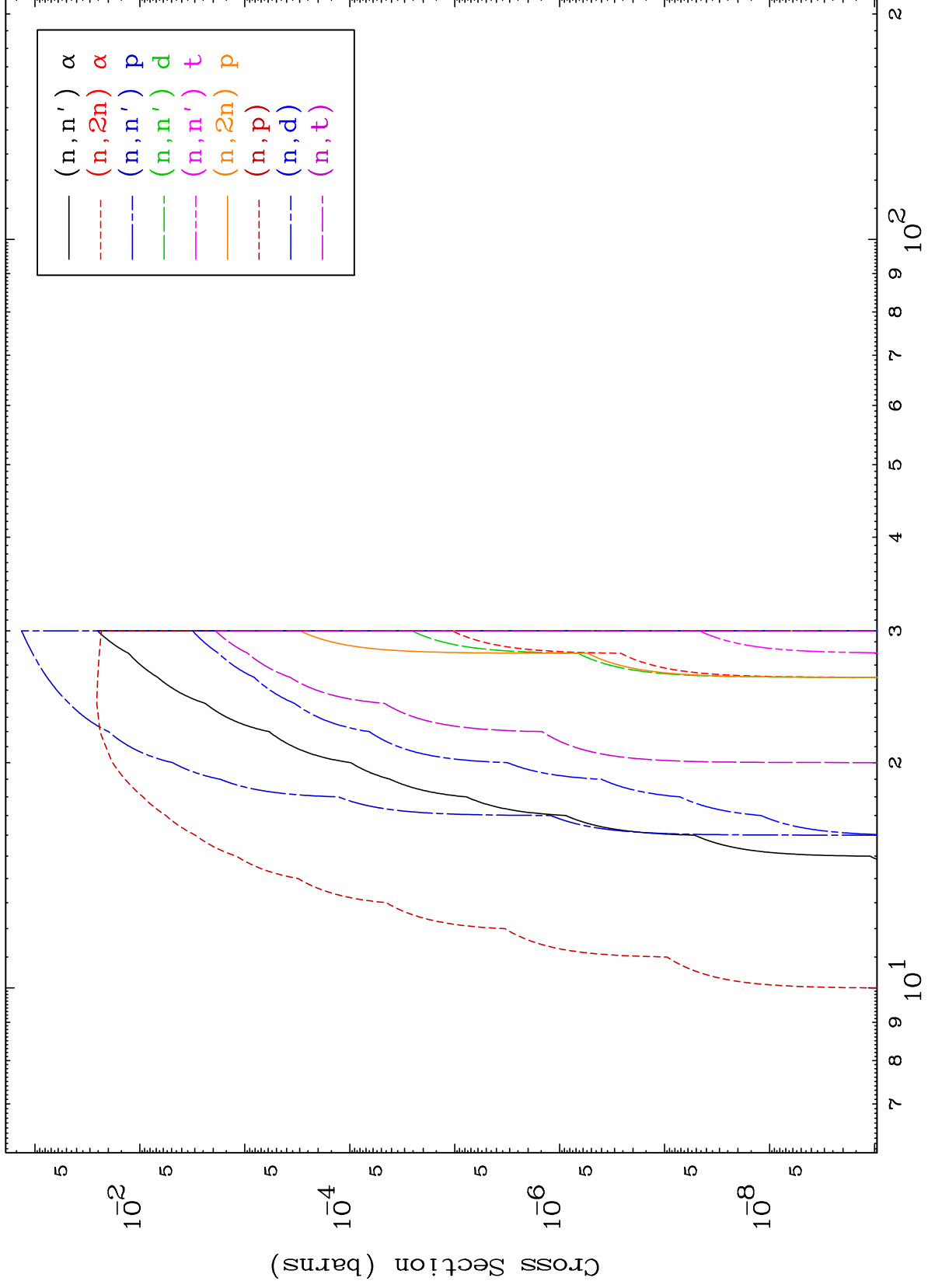
Incident Energy (MeV)

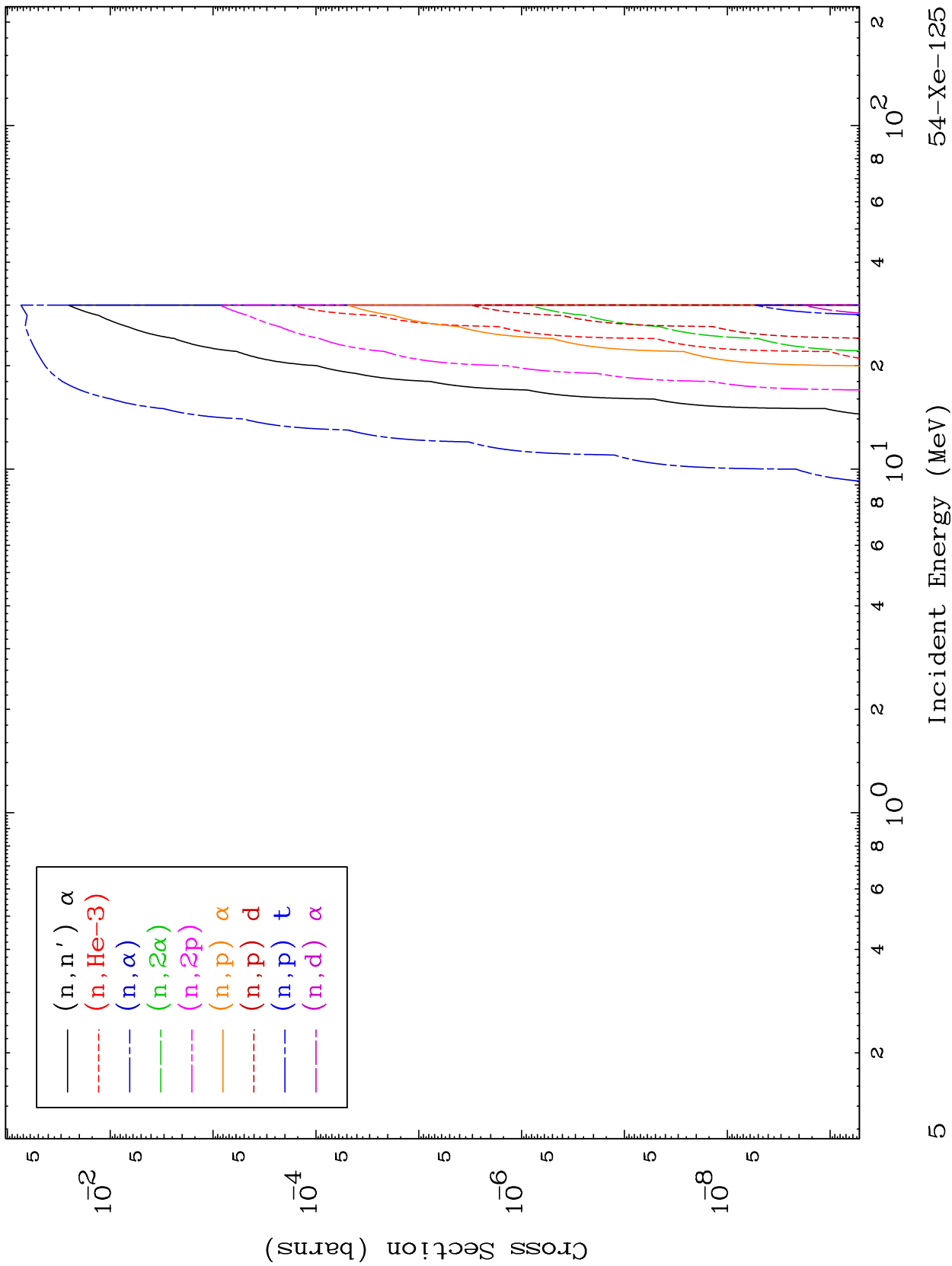
MAT 5428

α Neutron Absorption
0 Kelvin Cross Sections

54-Xe-125



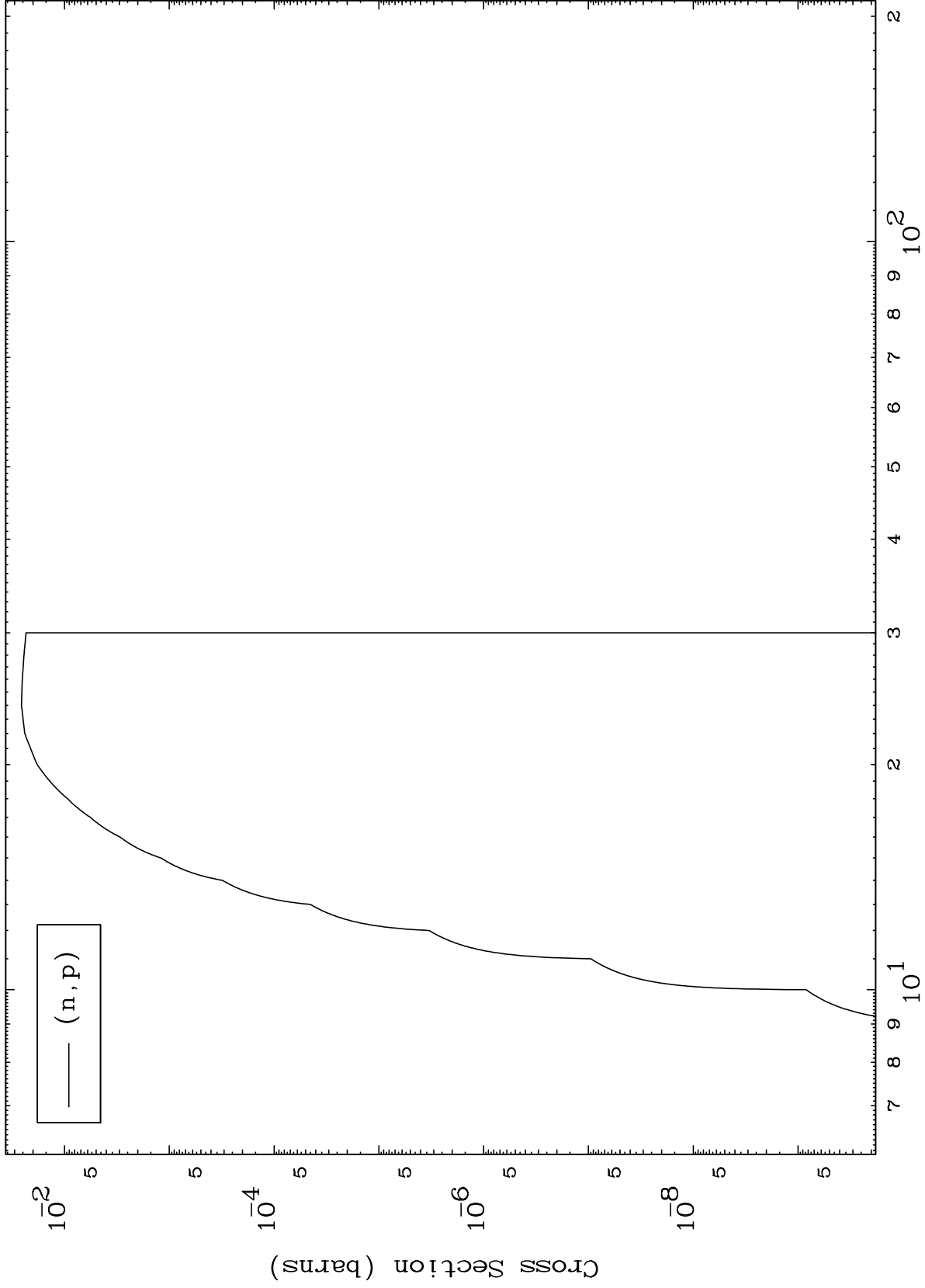




MAT 5428

(α, p) Levels
0 Kelvin Cross Sections

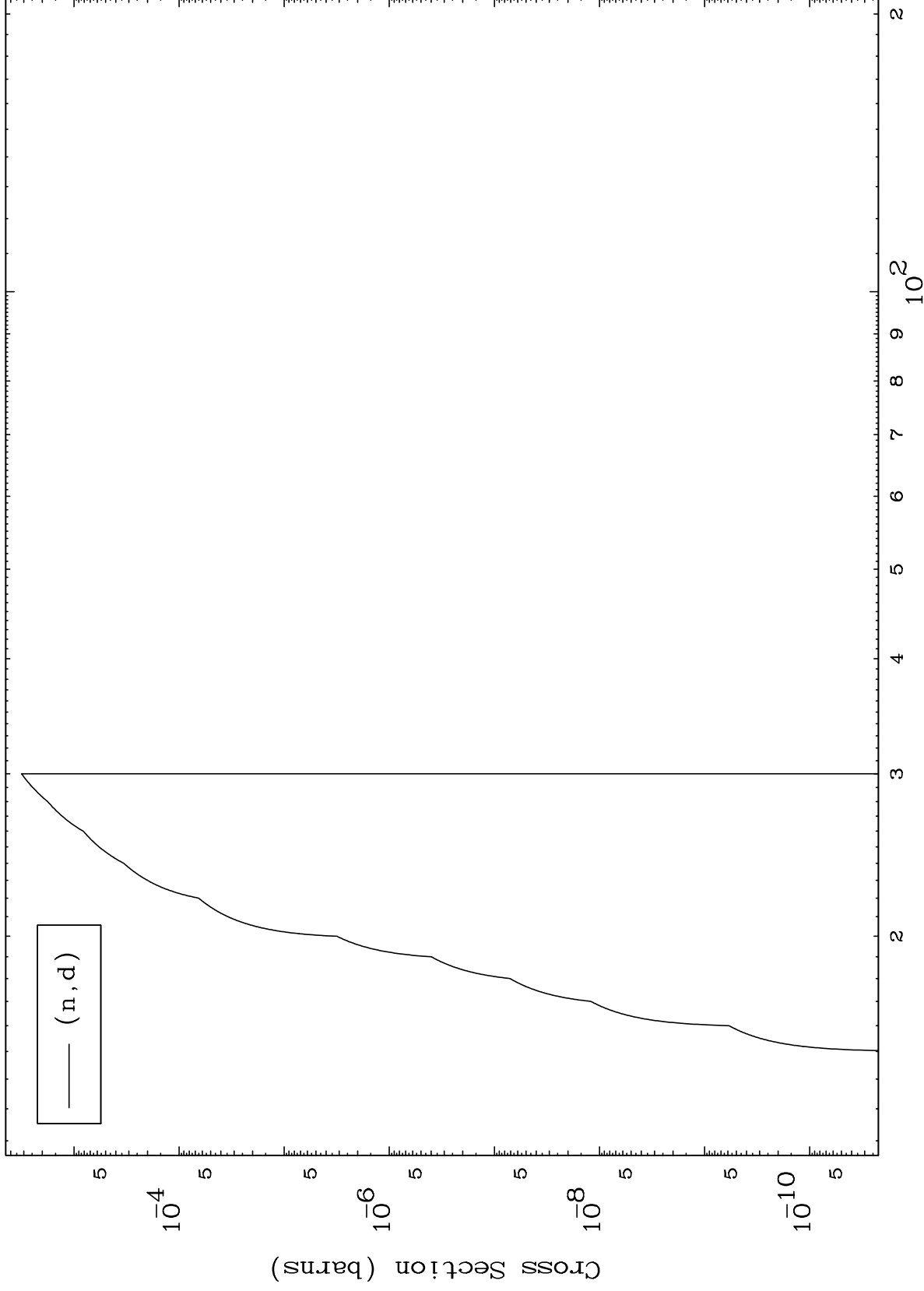
54-Xe-125



6

Incident Energy (MeV)

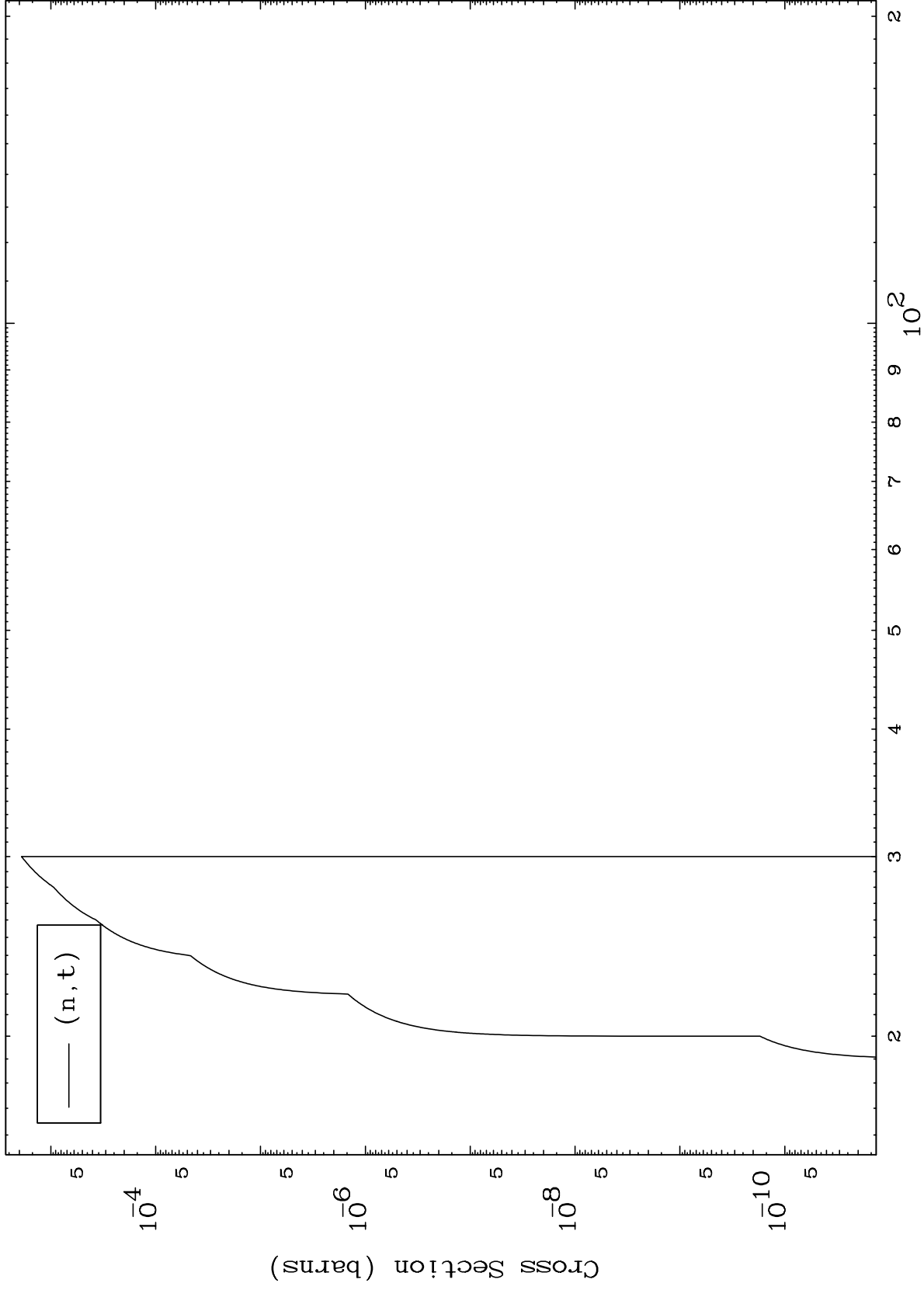
54-Xe-125



MAT 5428

(α, t) Levels
0 Kelvin Cross Sections

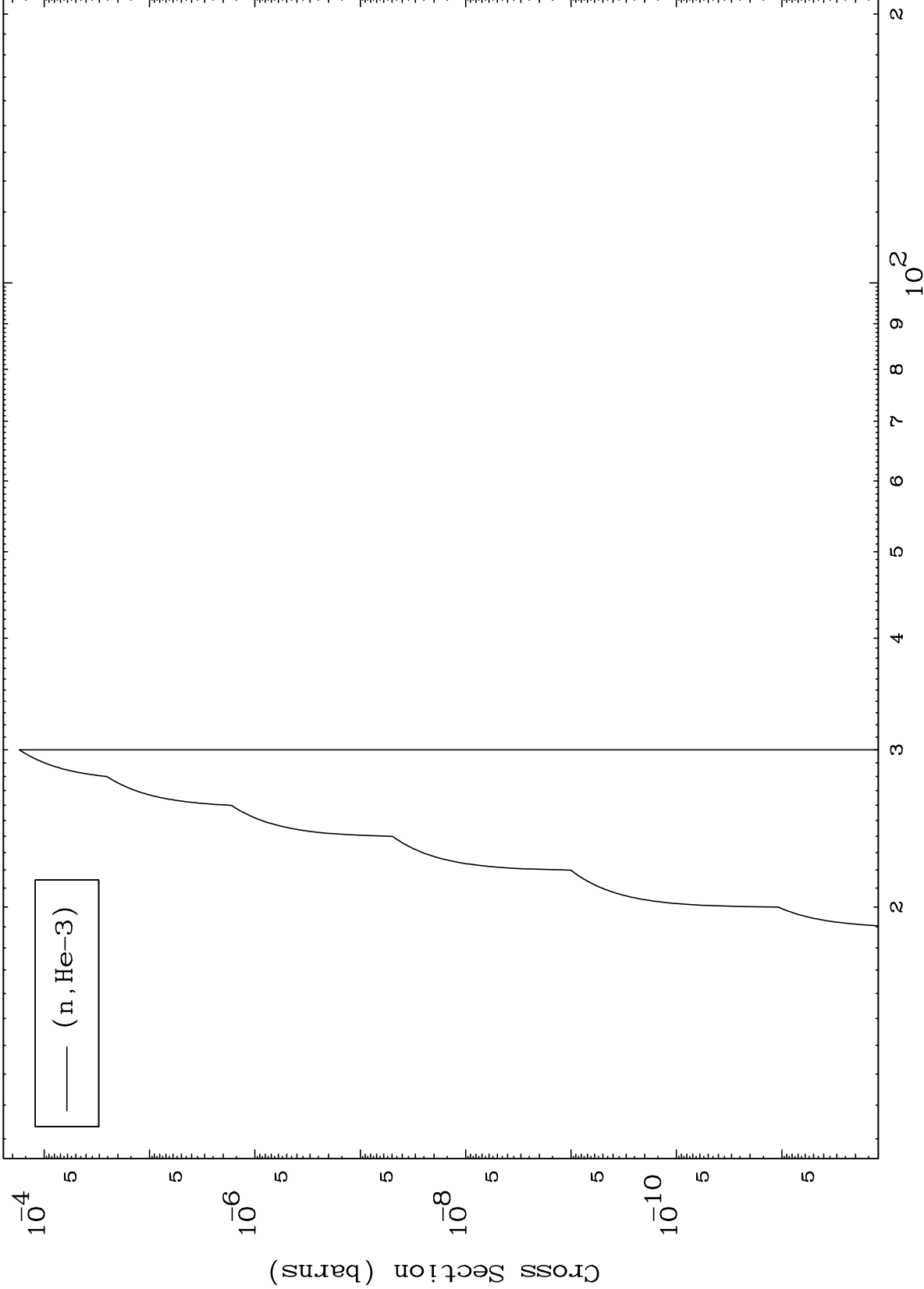
54-Xe-125



8

Incident Energy (MeV)

54-Xe-125

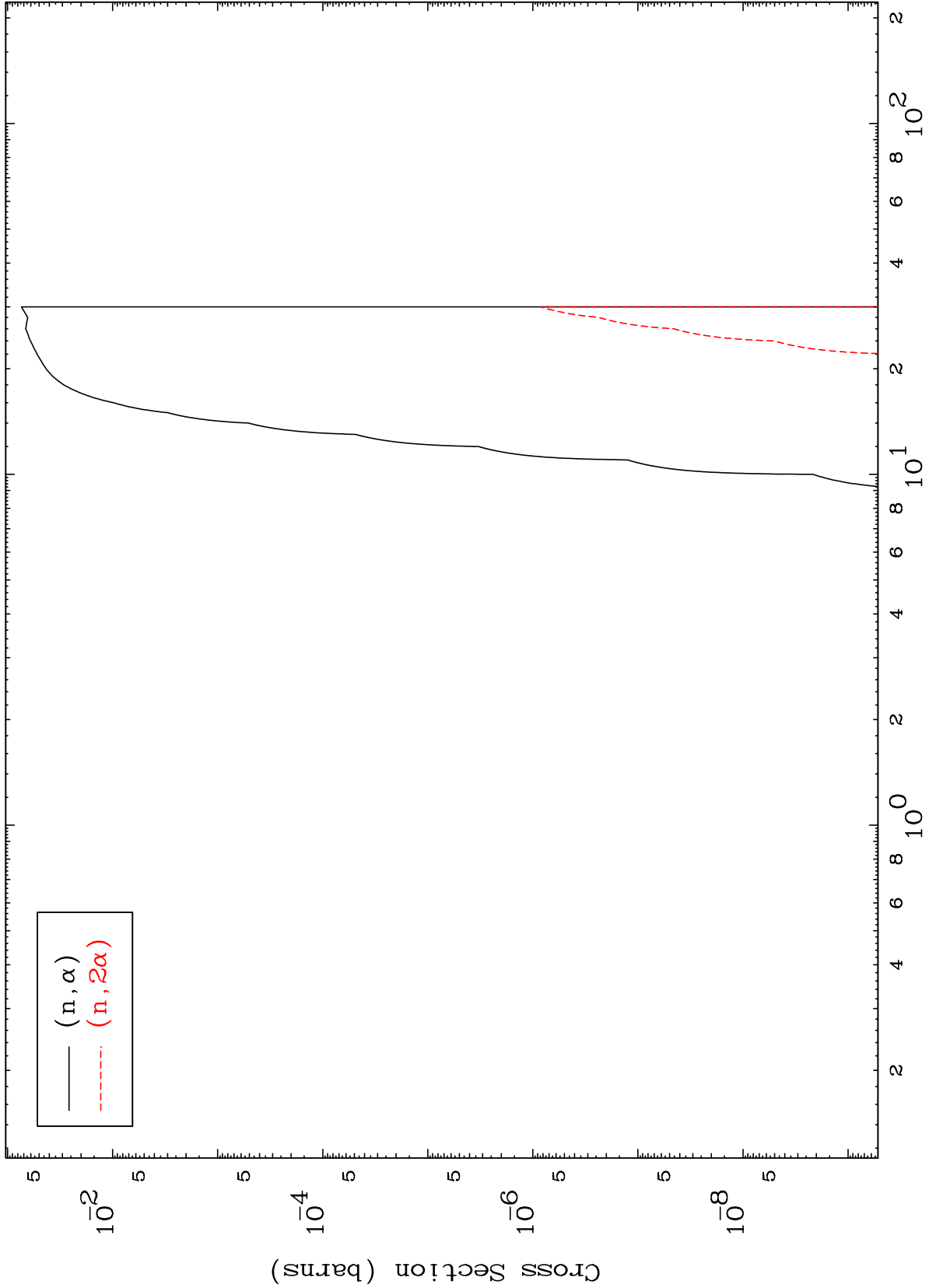


MAT 5428

(α, α) Levels

54-Xe-125

0 Kelvin Cross Sections



— (n, α)
- - - (n, 2α)

10

Incident Energy (MeV)

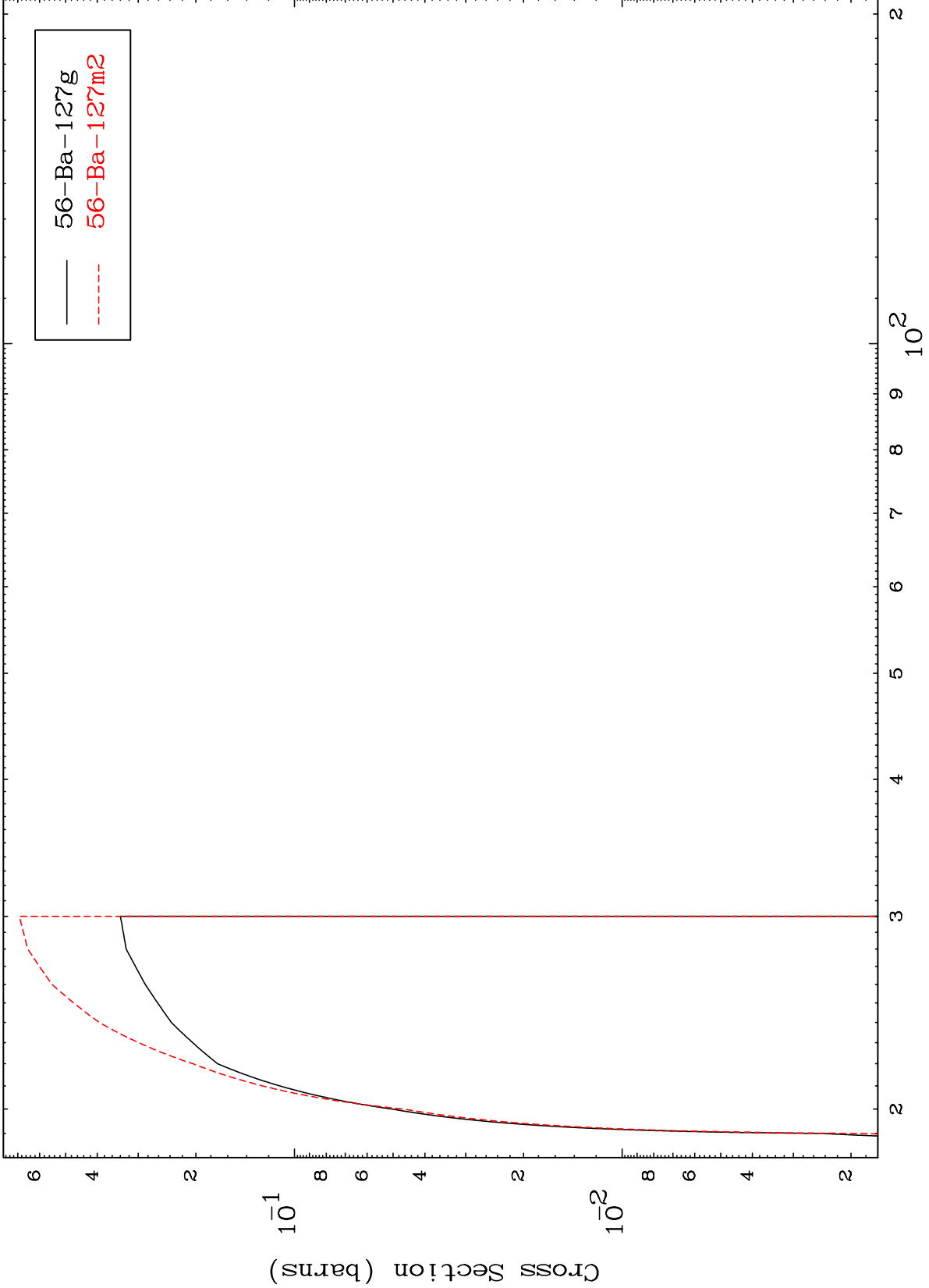
54-Xe-125

MAT 5428

(n,2n)

54-Xe-125

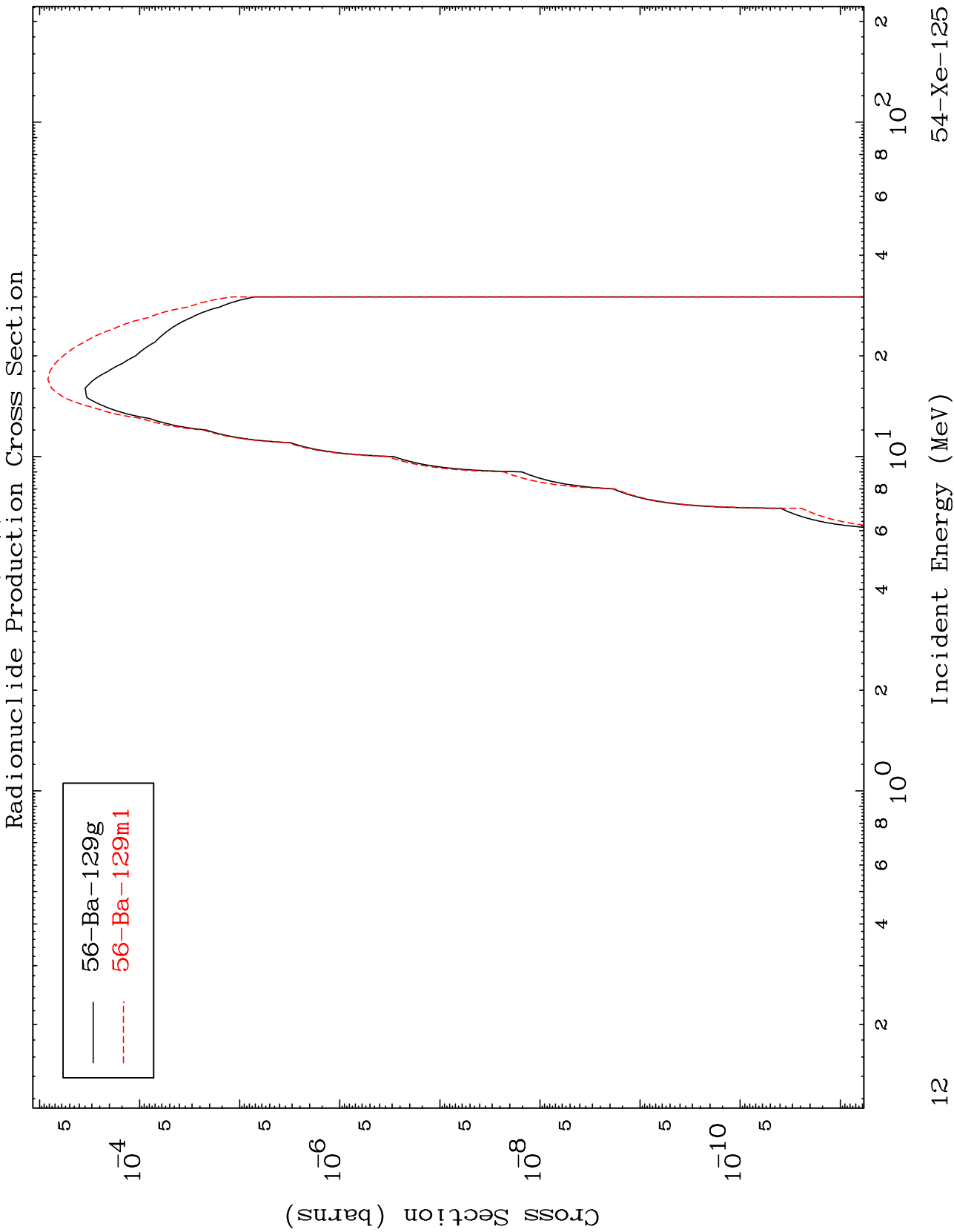
Radionuclide Production Cross Section



56-Ba-127g
56-Ba-127m2

MAT 5428

54-Xe-125

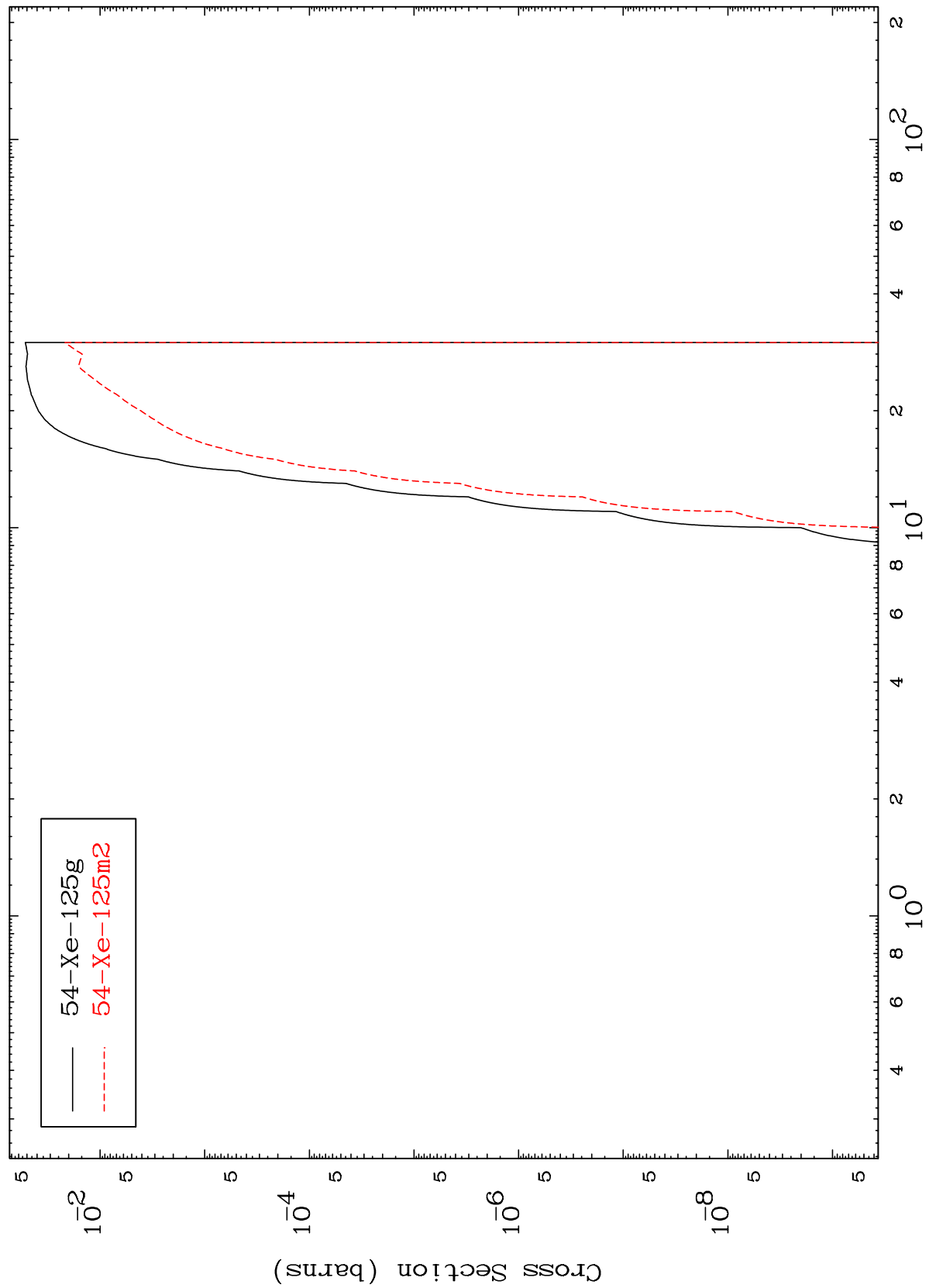


— 56-Ba-129g
- - - 56-Ba-129m1

MAT 5428

54-Xe-125

Radionuclide Production Cross Section
(n, α)



54-Xe-125g
54-Xe-125m2

54-Xe-125

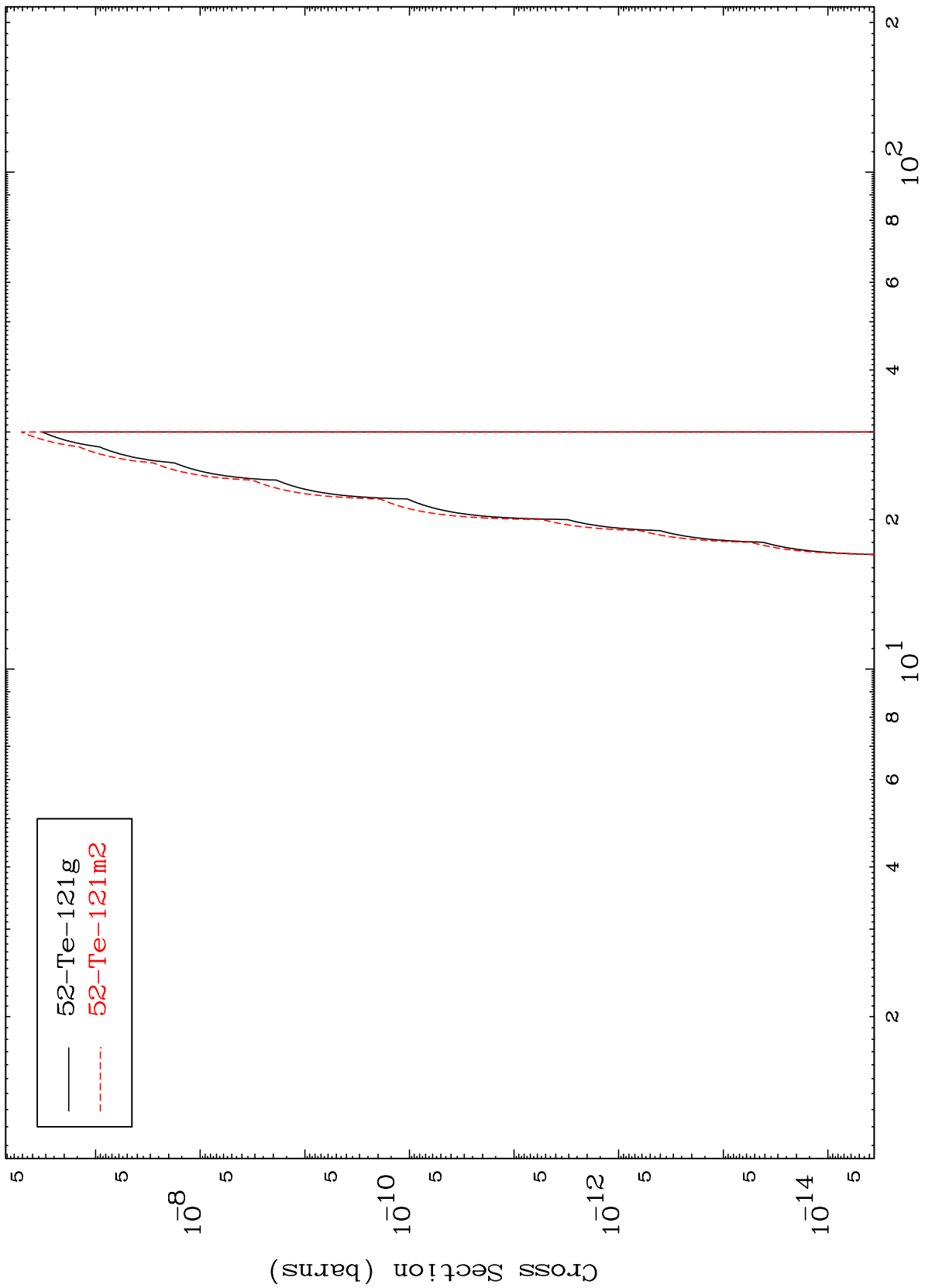
Incident Energy (MeV)

13

MAT 5428

54-Xe-125

(n,2α)
Radionuclide Production Cross Section



14

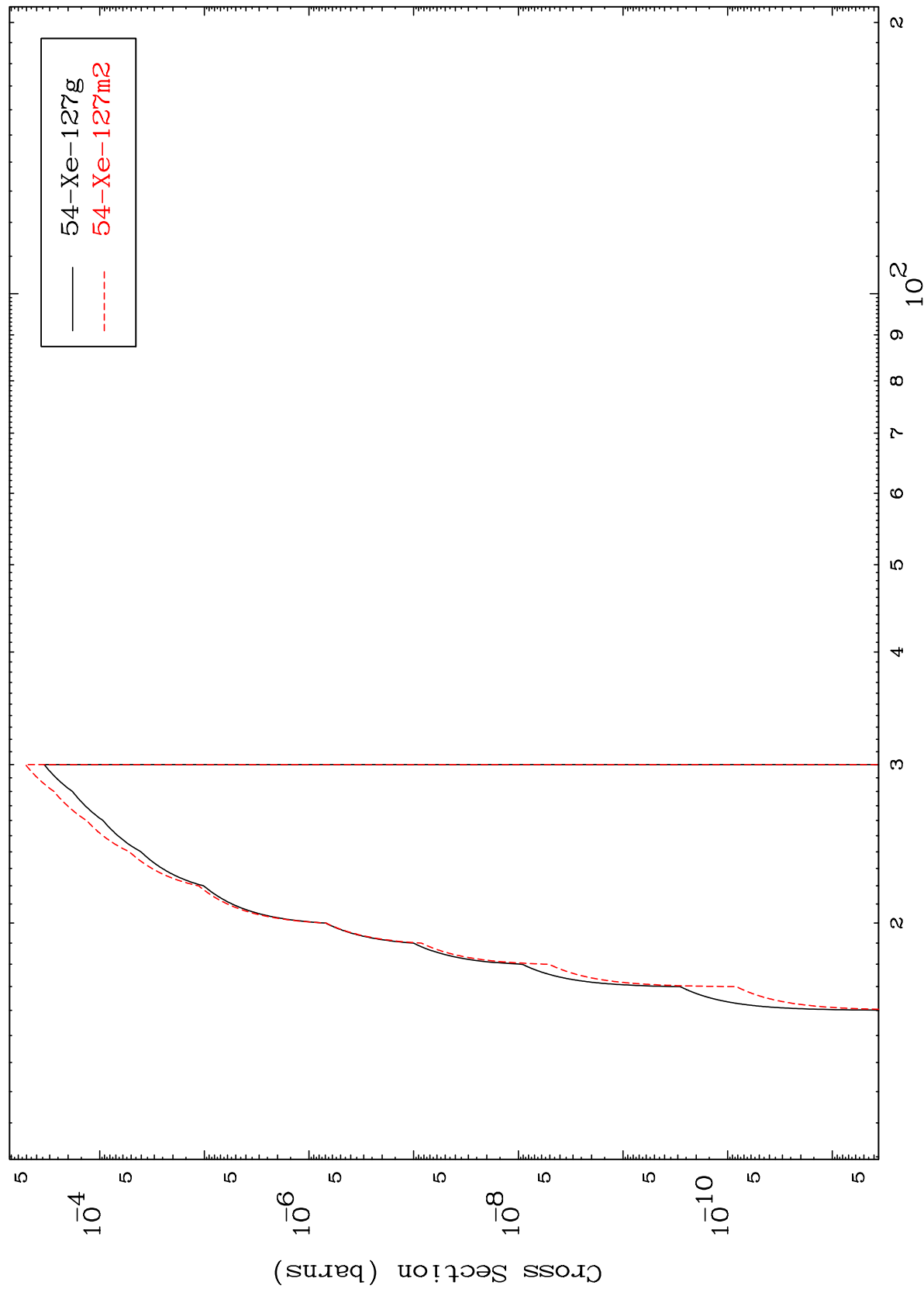
Incident Energy (MeV)

54-Xe-125

MAT 5428

54-Xe-125

(n,2p)
Radionuclide Production Cross Section



15

Incident Energy (MeV)

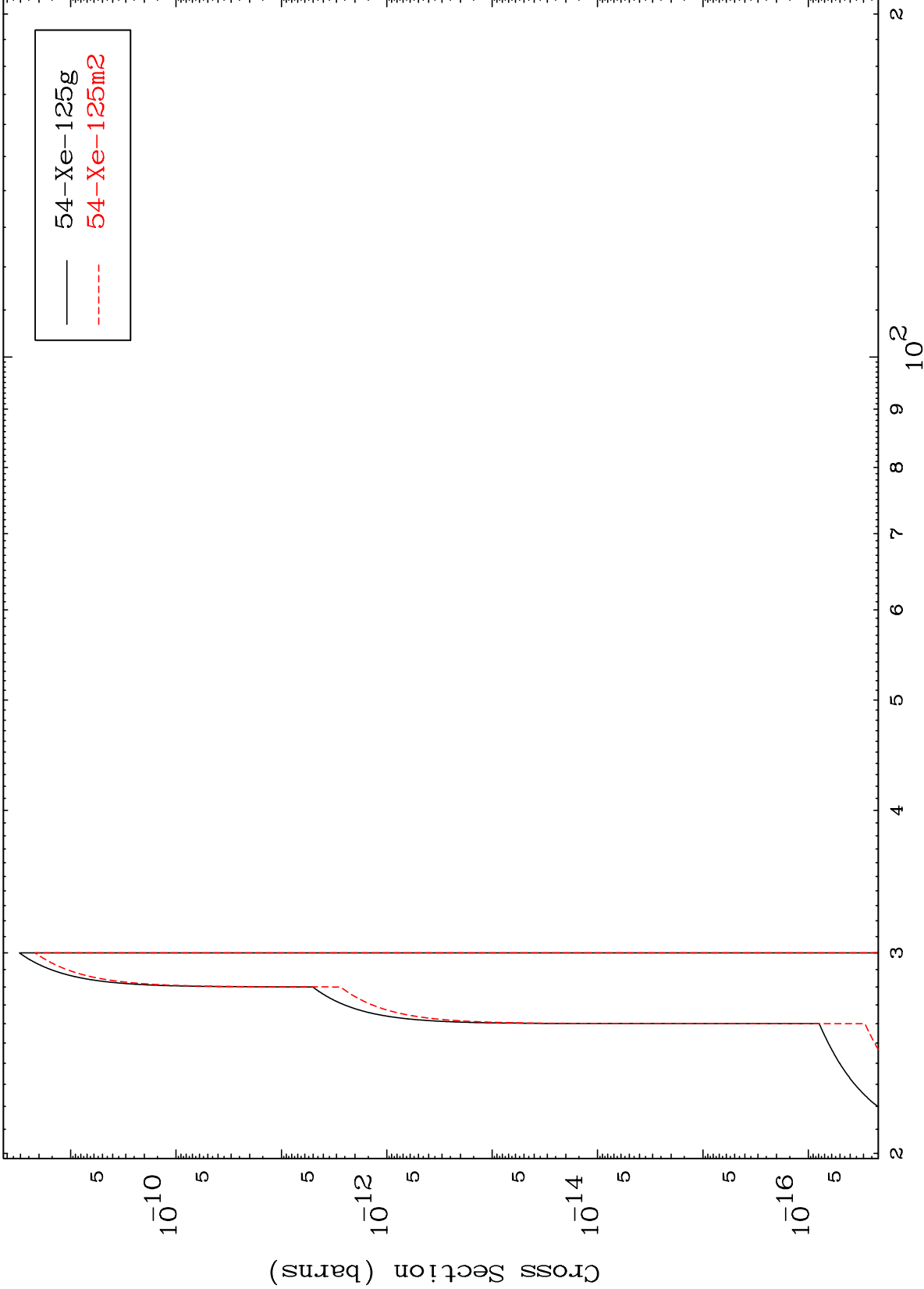
54-Xe-125

MAT 5428

(n,p) t

54-Xe-125

Radionuclide Production Cross Section



16

Incident Energy (MeV)

54-Xe-125