

Program EVALPLOT
(Version 2021-1)

by

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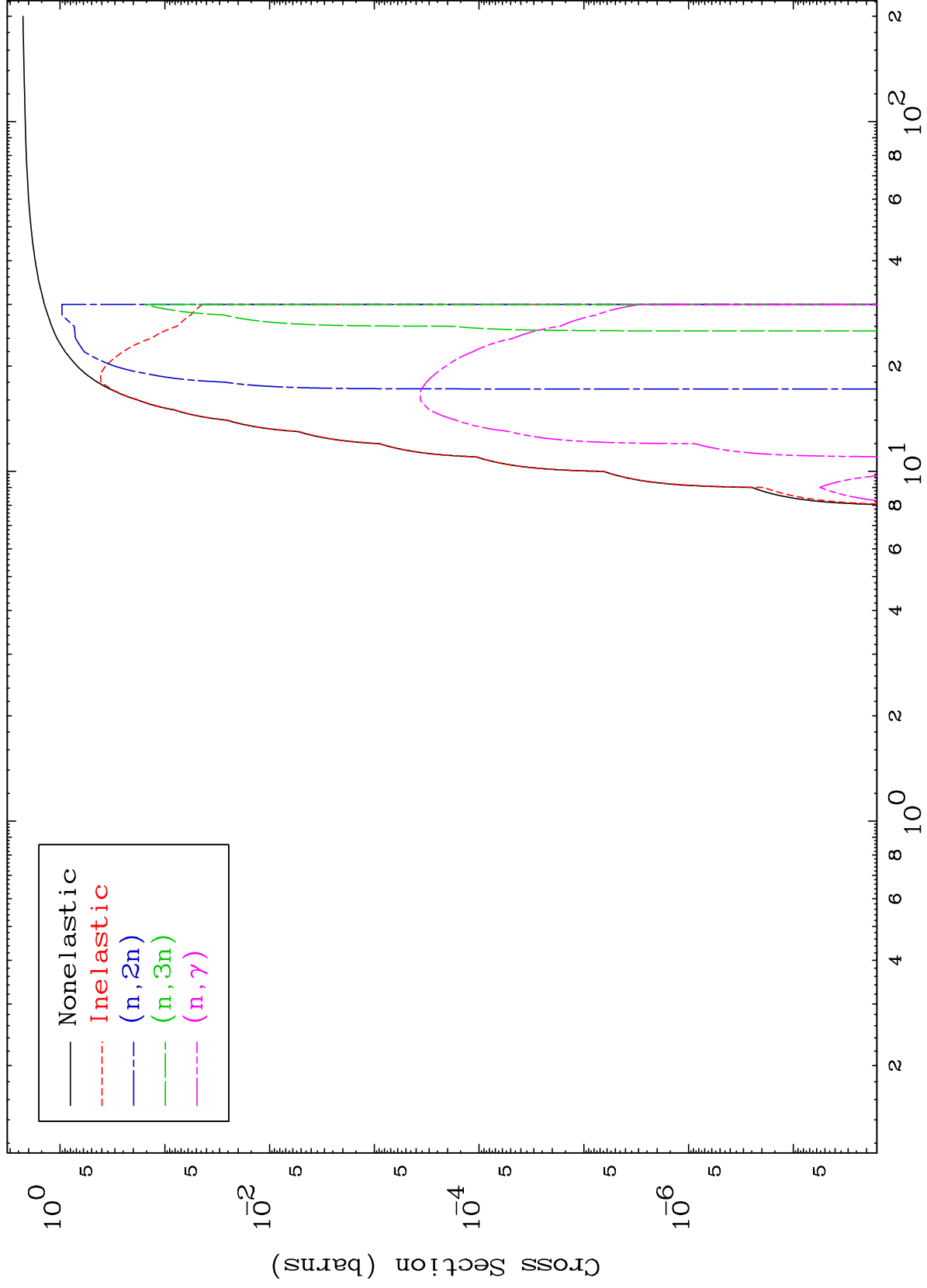
Press Mouse Button to Start

MAT 5435

0 Kelvin

α Major Cross Sections

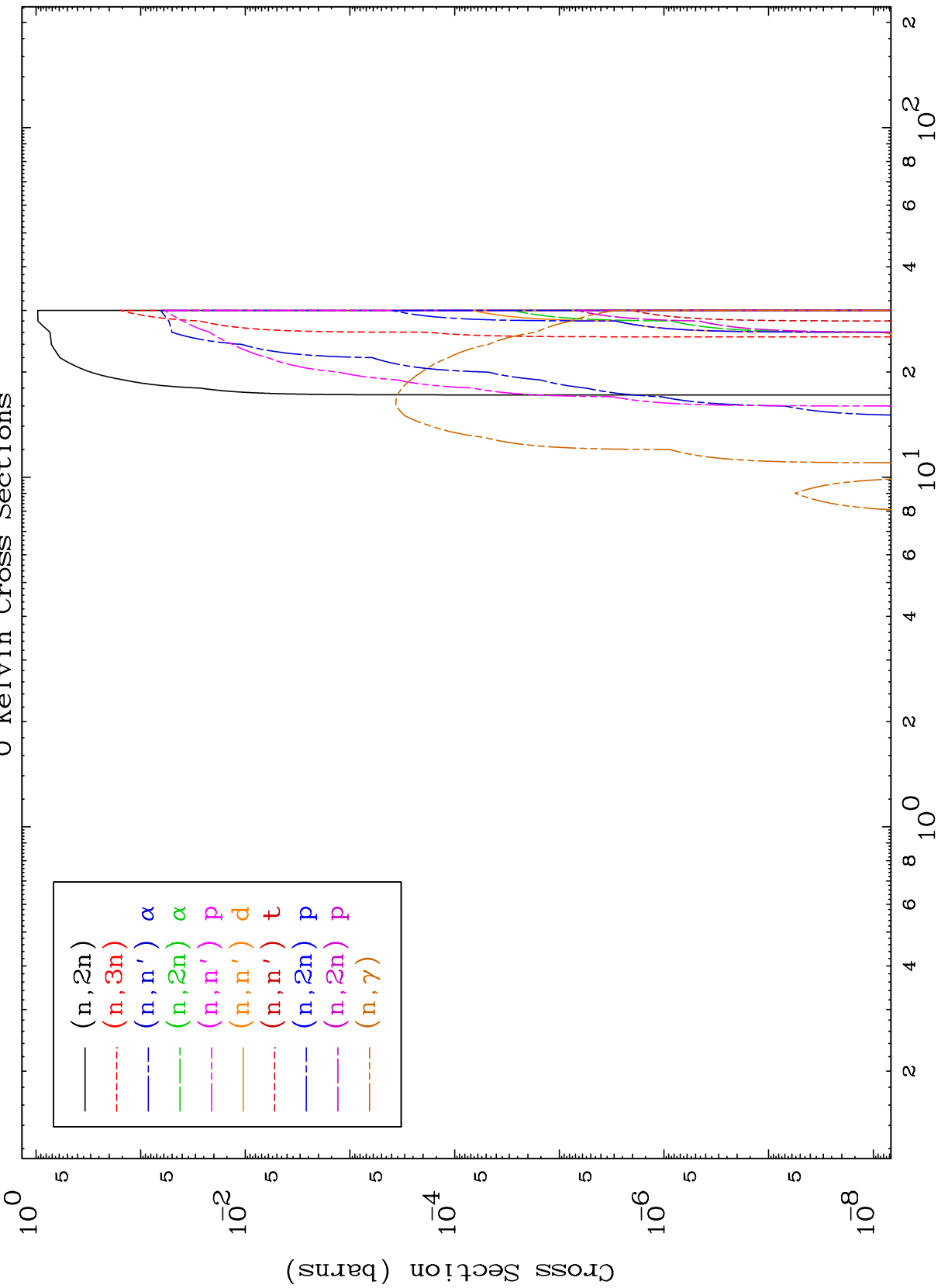
54-Xe-127m



MAT 5435

α Neutron Absorption
0 Kelvin Cross Sections

54-Xe-127m



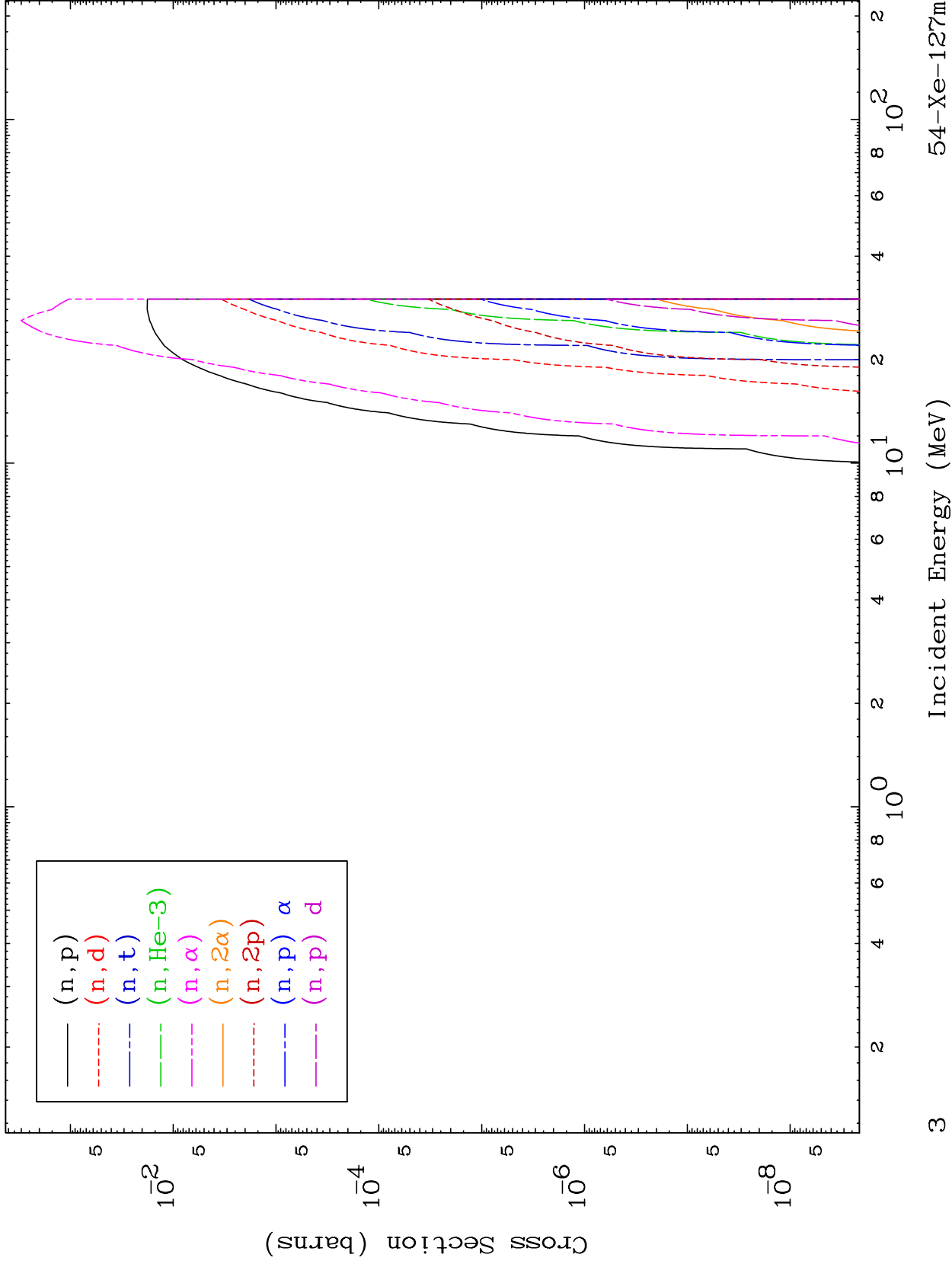
Incident Energy (MeV)

54-Xe-127m

MAT 5435

α Neutron Absorption
0 Kelvin Cross Sections

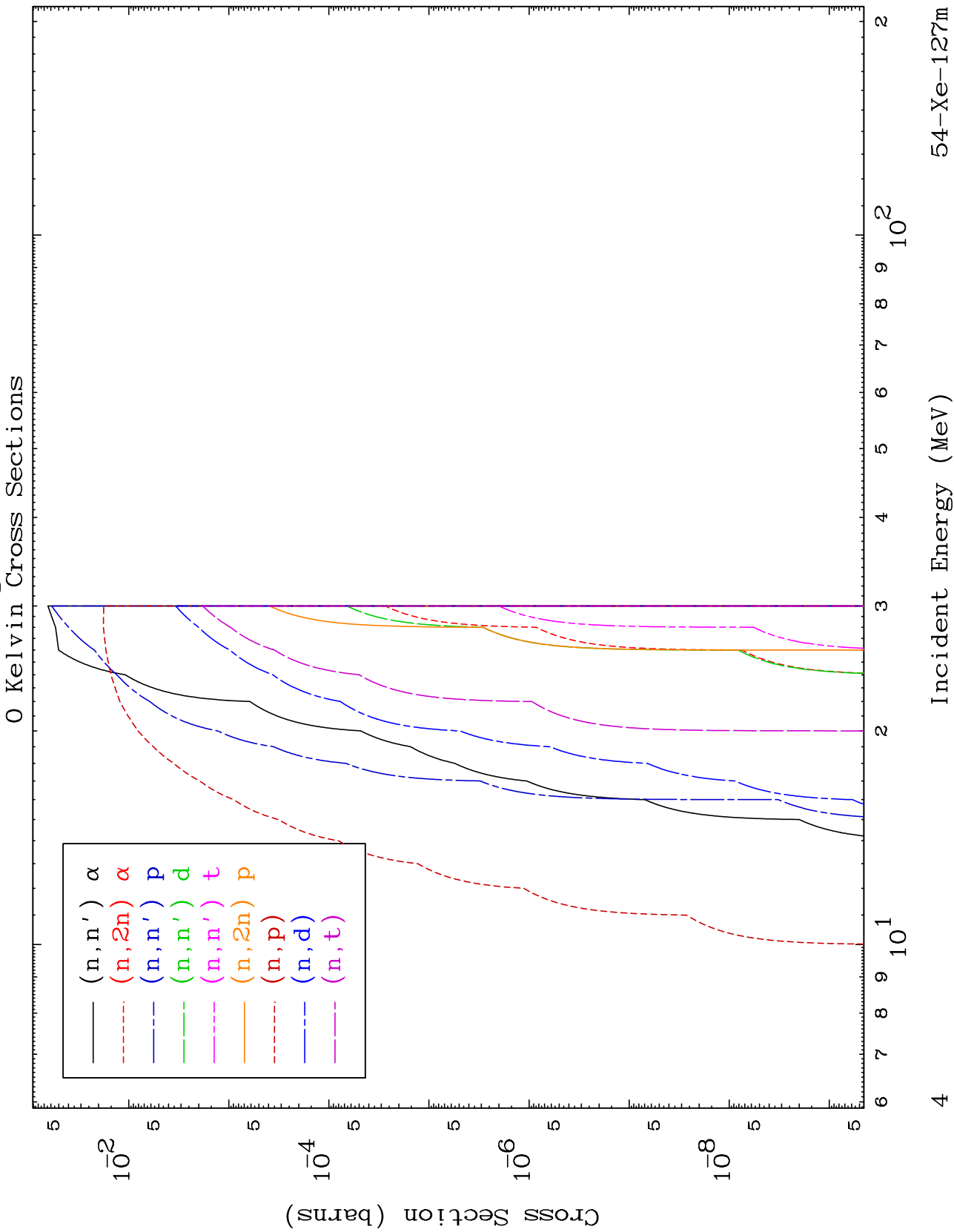
54-Xe-127m



MAT 5435

α Charged Particle

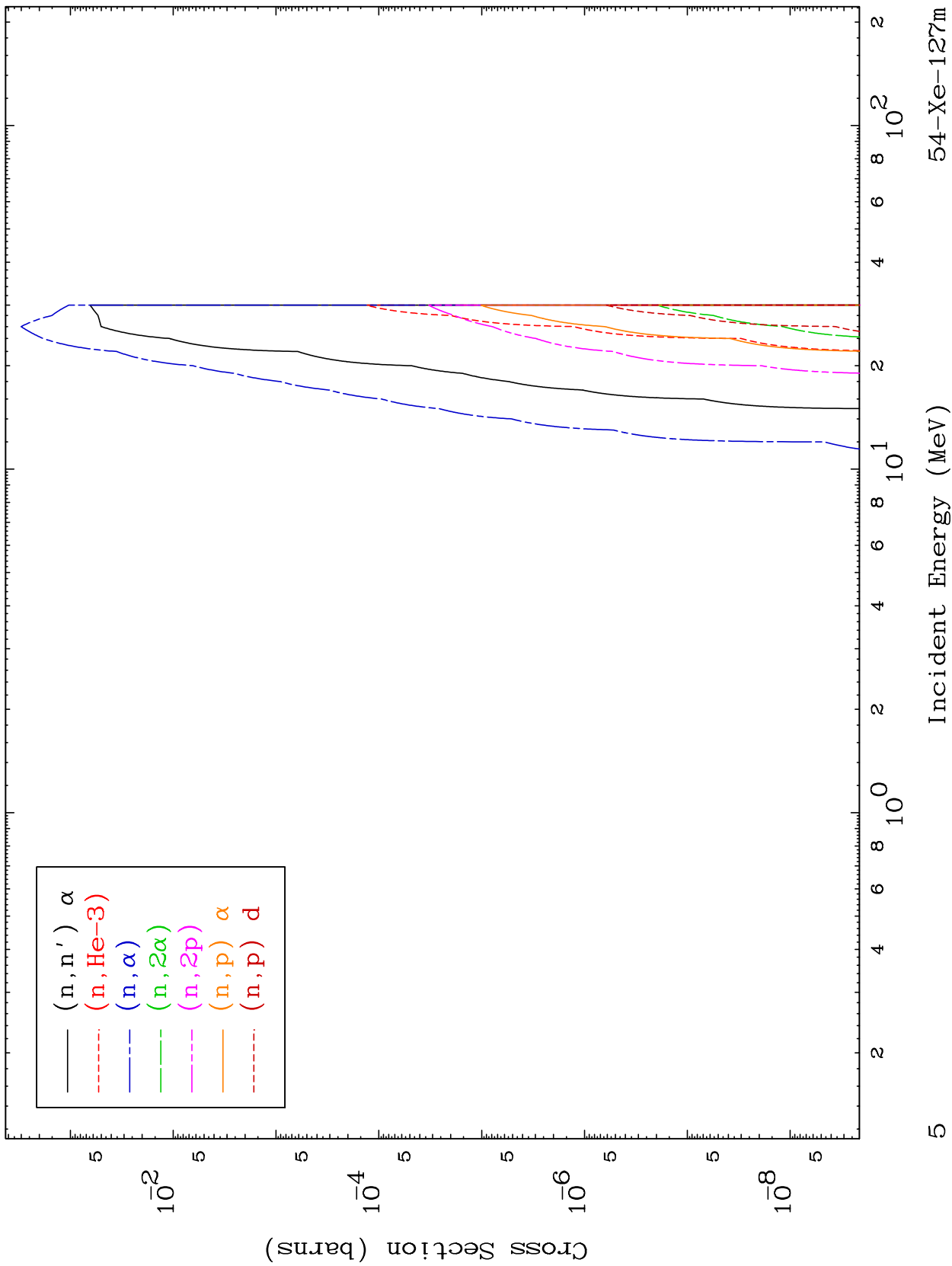
54-Xe-127m



4

Incident Energy (MeV)

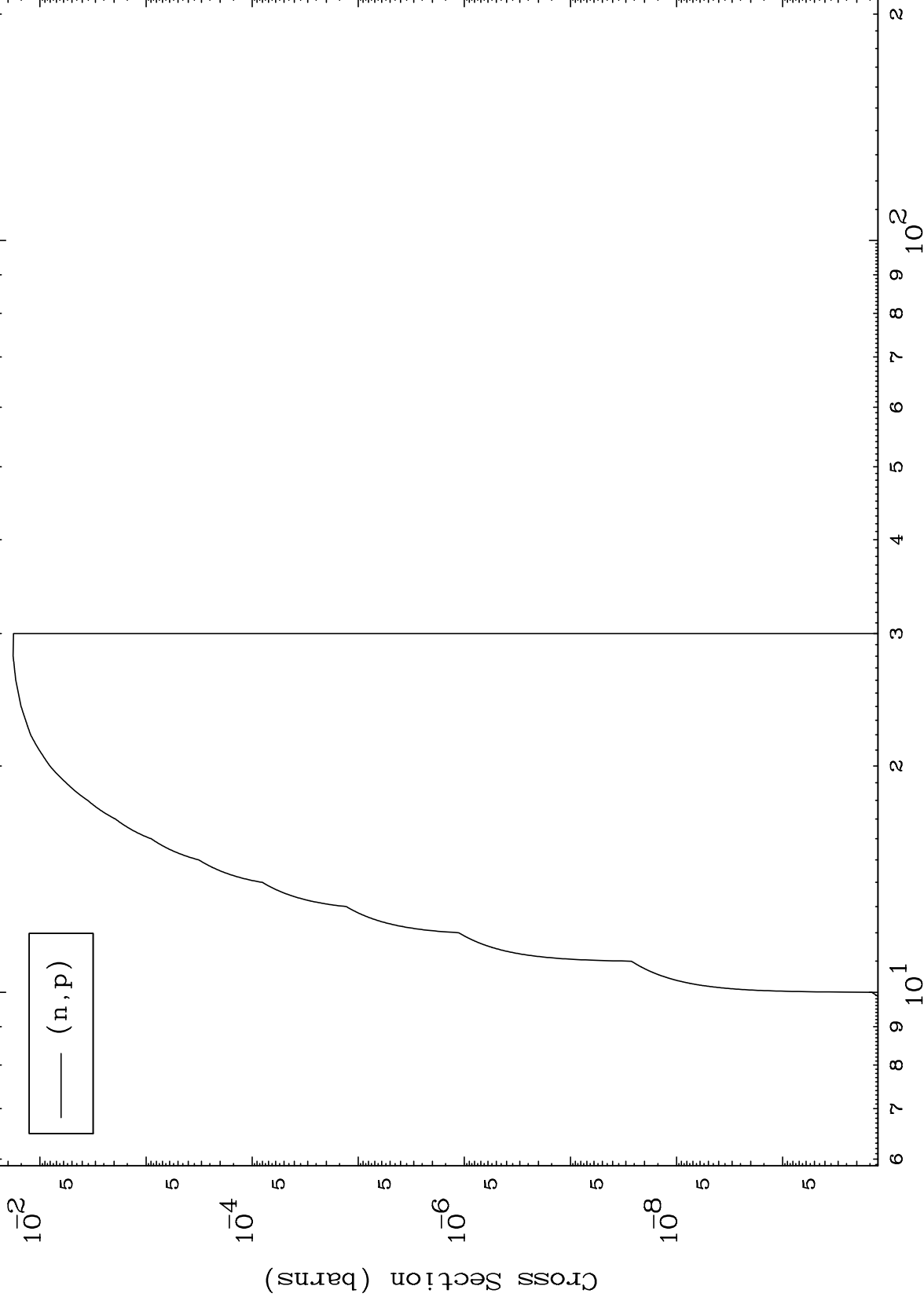
54-Xe-127m



MAT 5435

(α, p) Levels
0 Kelvin Cross Sections

54-Xe-127m



6

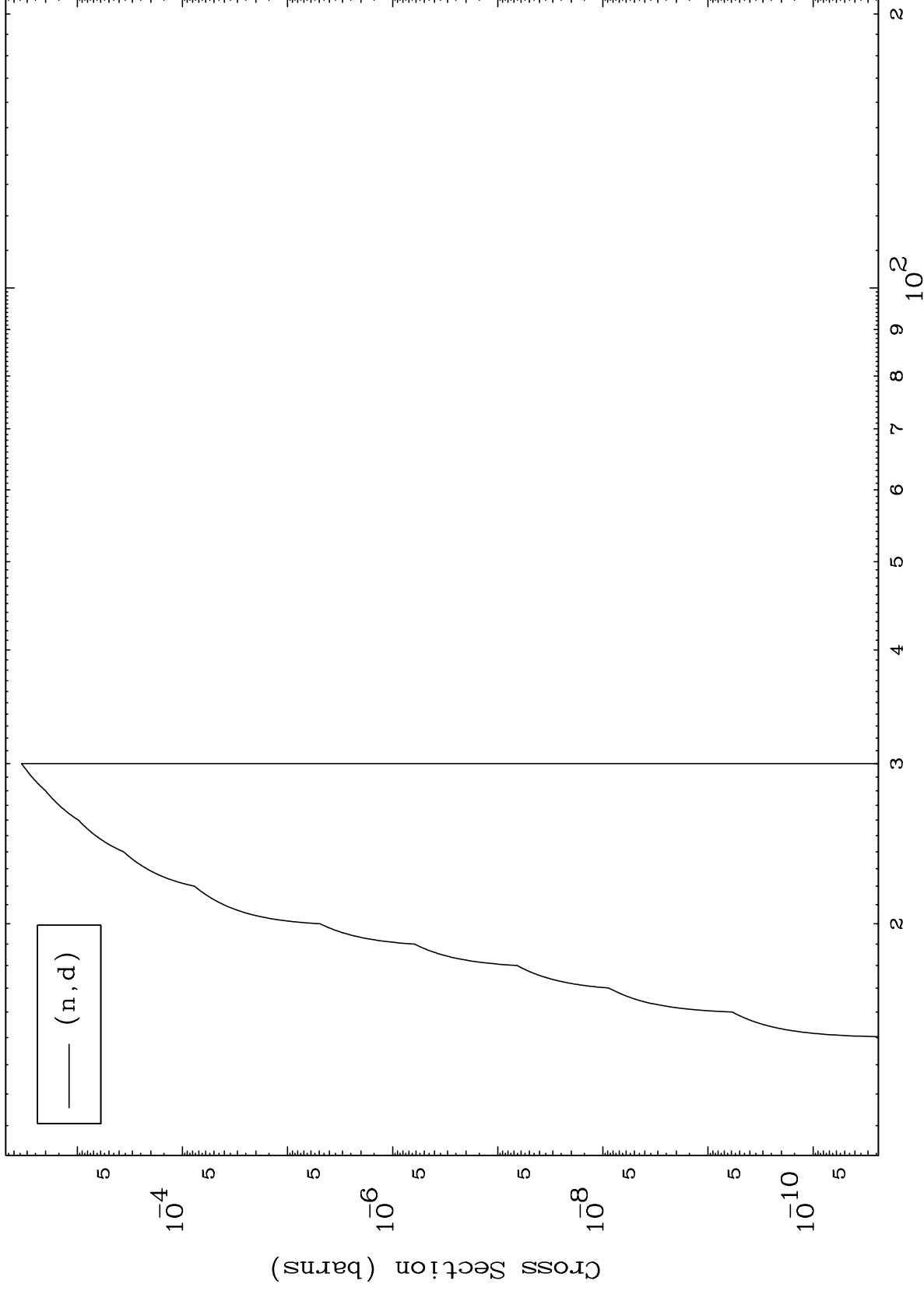
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(α, d) Levels
0 Kelvin Cross Sections

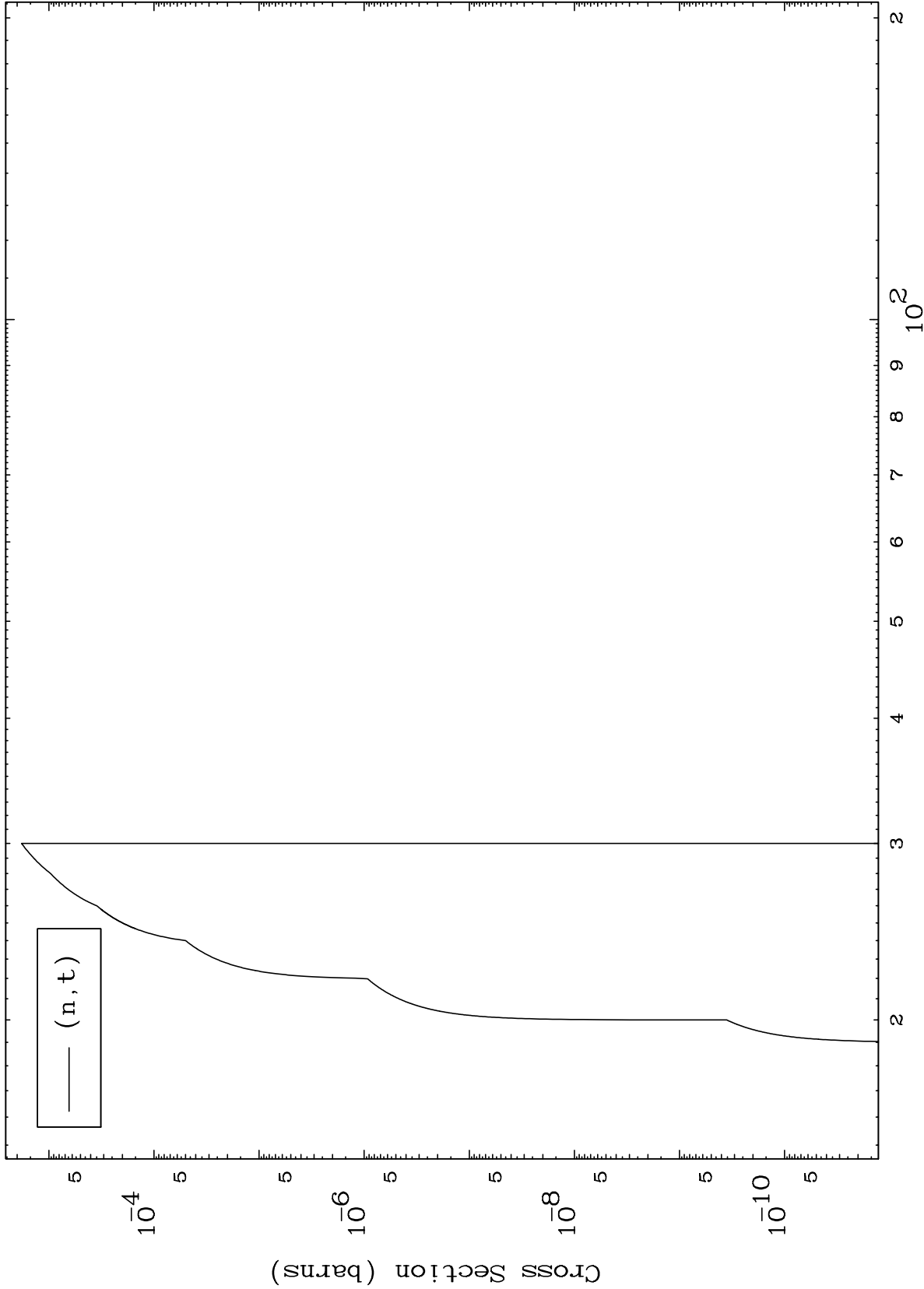
54-Xe-127m



MAT 5435

(α, t) Levels
0 Kelvin Cross Sections

54-Xe-127m



(n, t)

8

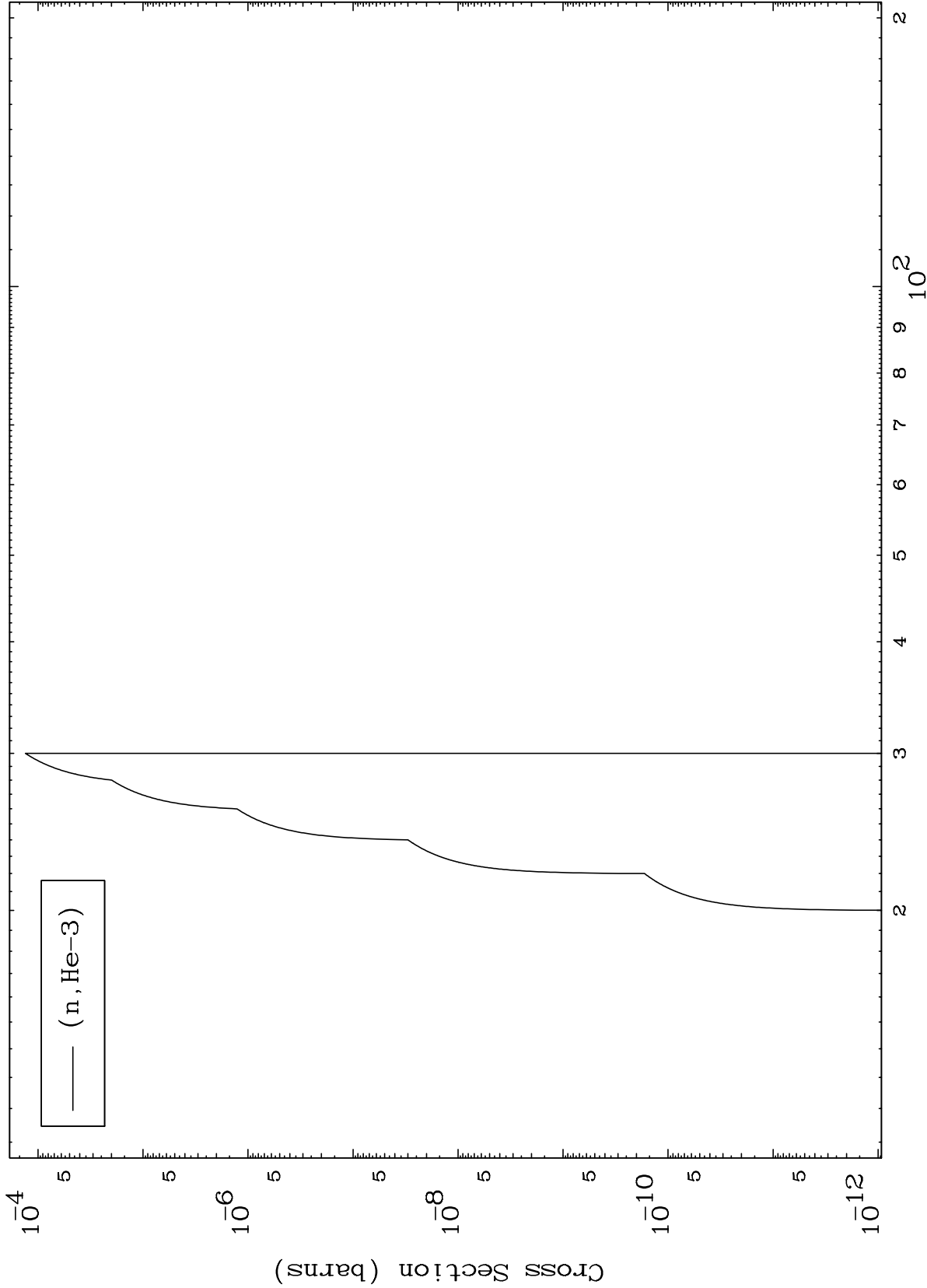
Incident Energy (MeV)

54-Xe-127m

MAT 5435

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

54-Xe-127m

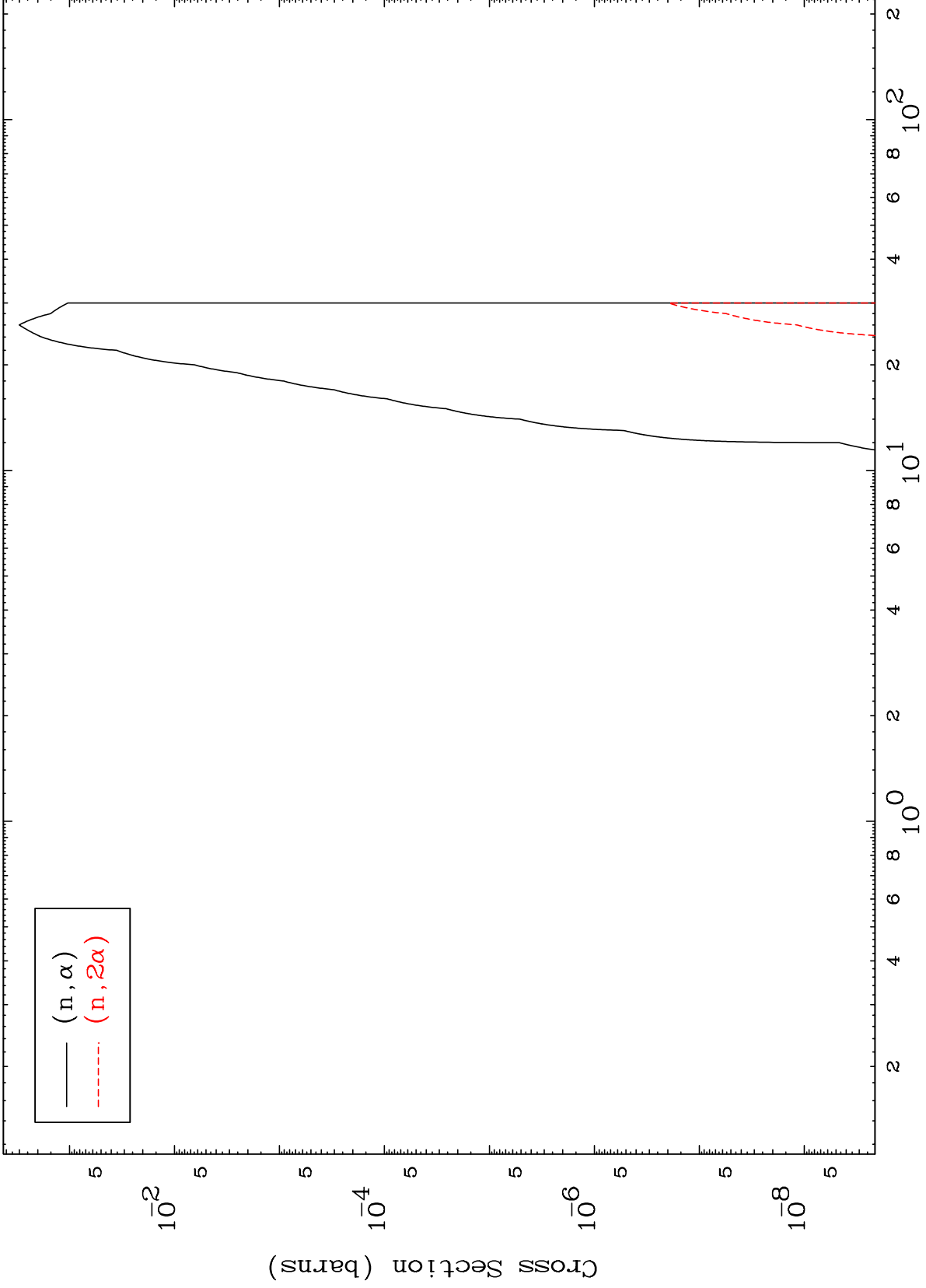


MAT 5435

(α, α) Levels

54-Xe-127m

0 Kelvin Cross Sections



10

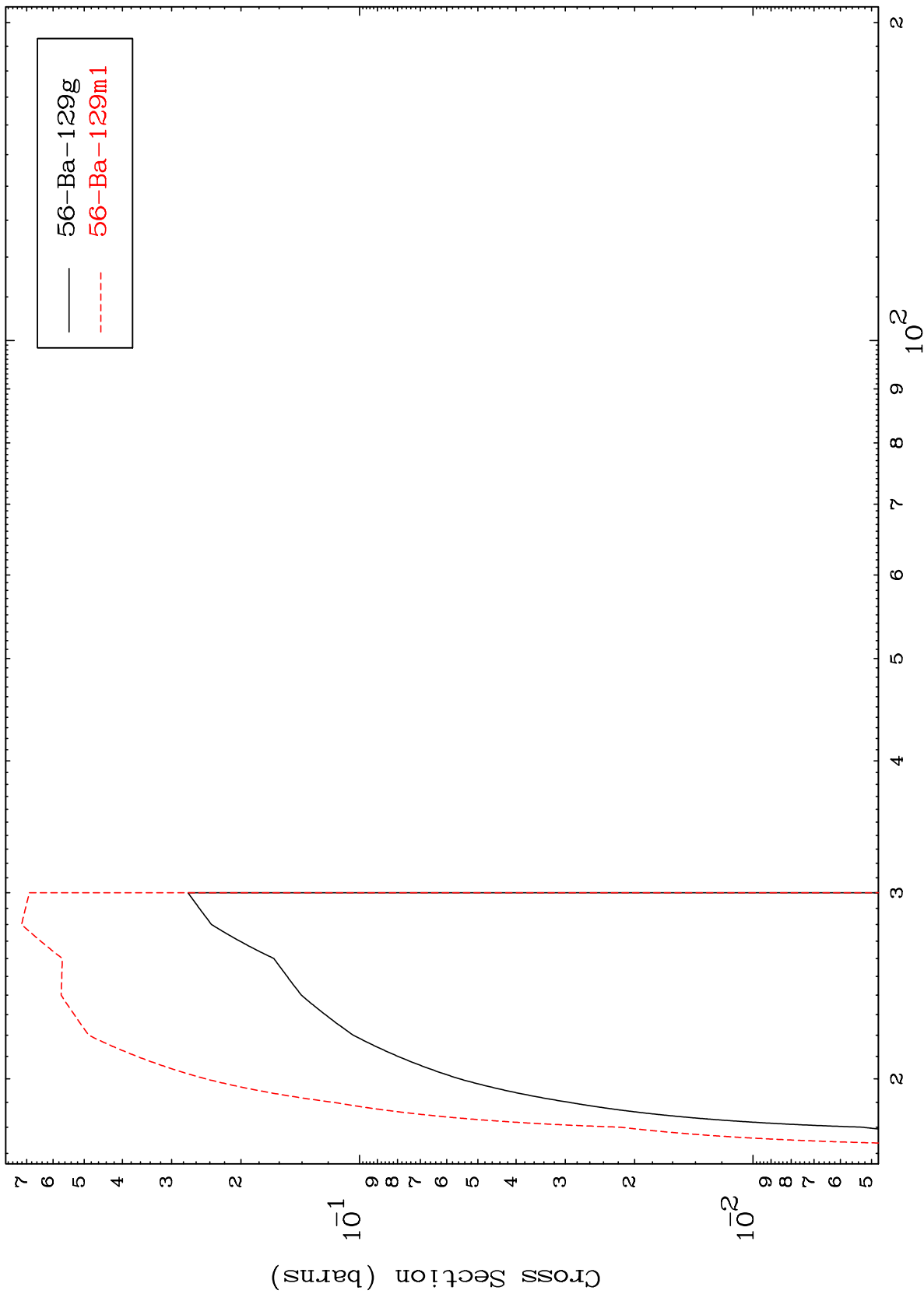
Incident Energy (MeV)

54-Xe-127m

MAT 5435

54-Xe-127m

(n,2n)
Radionuclide Production Cross Section



56-Ba-129g
56-Ba-129m1

54-Xe-127m

Incident Energy (MeV)

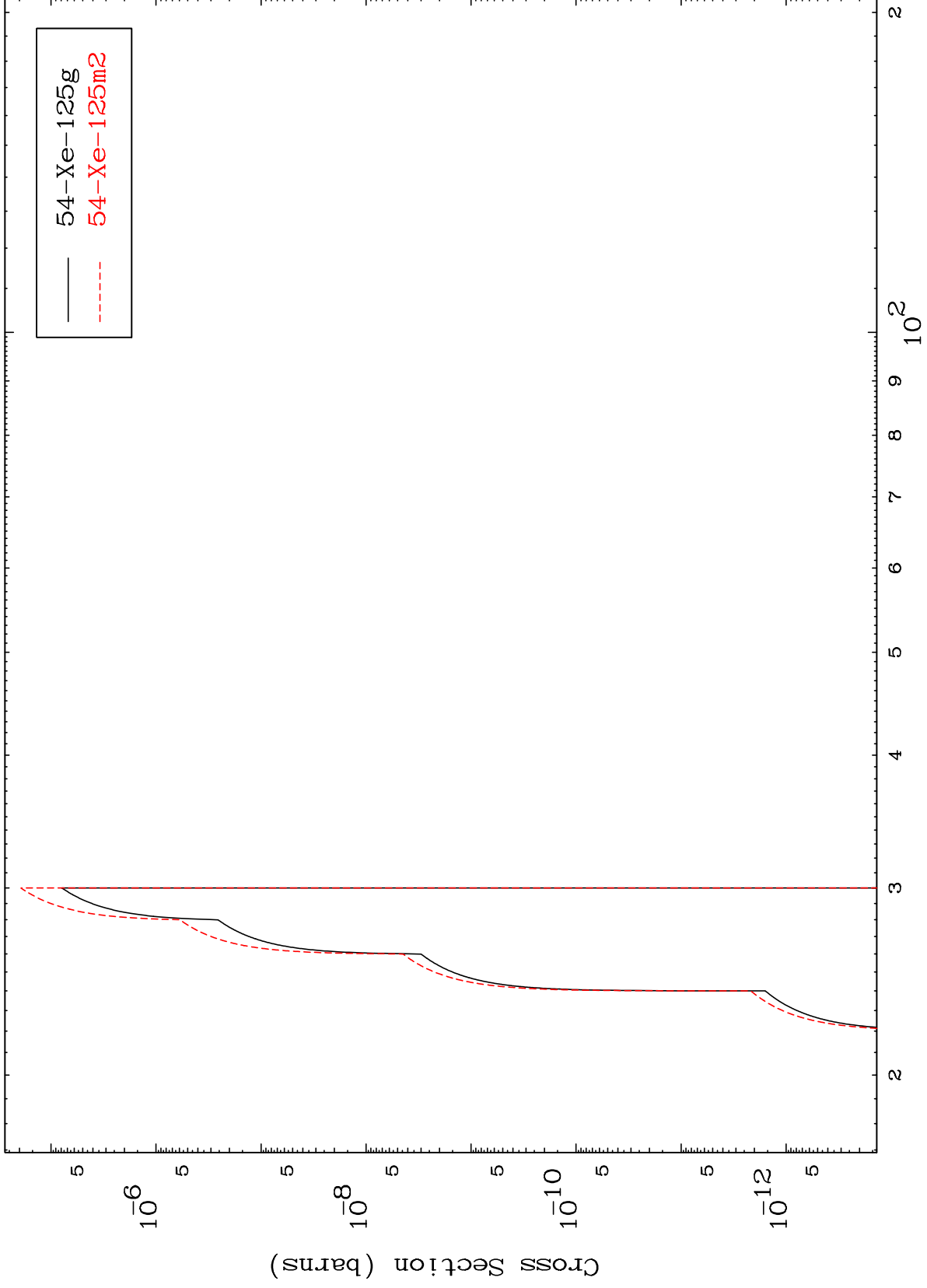
11

MAT 5435

(n,2n) α

54-Xe-127m

Radionuclide Production Cross Section



12

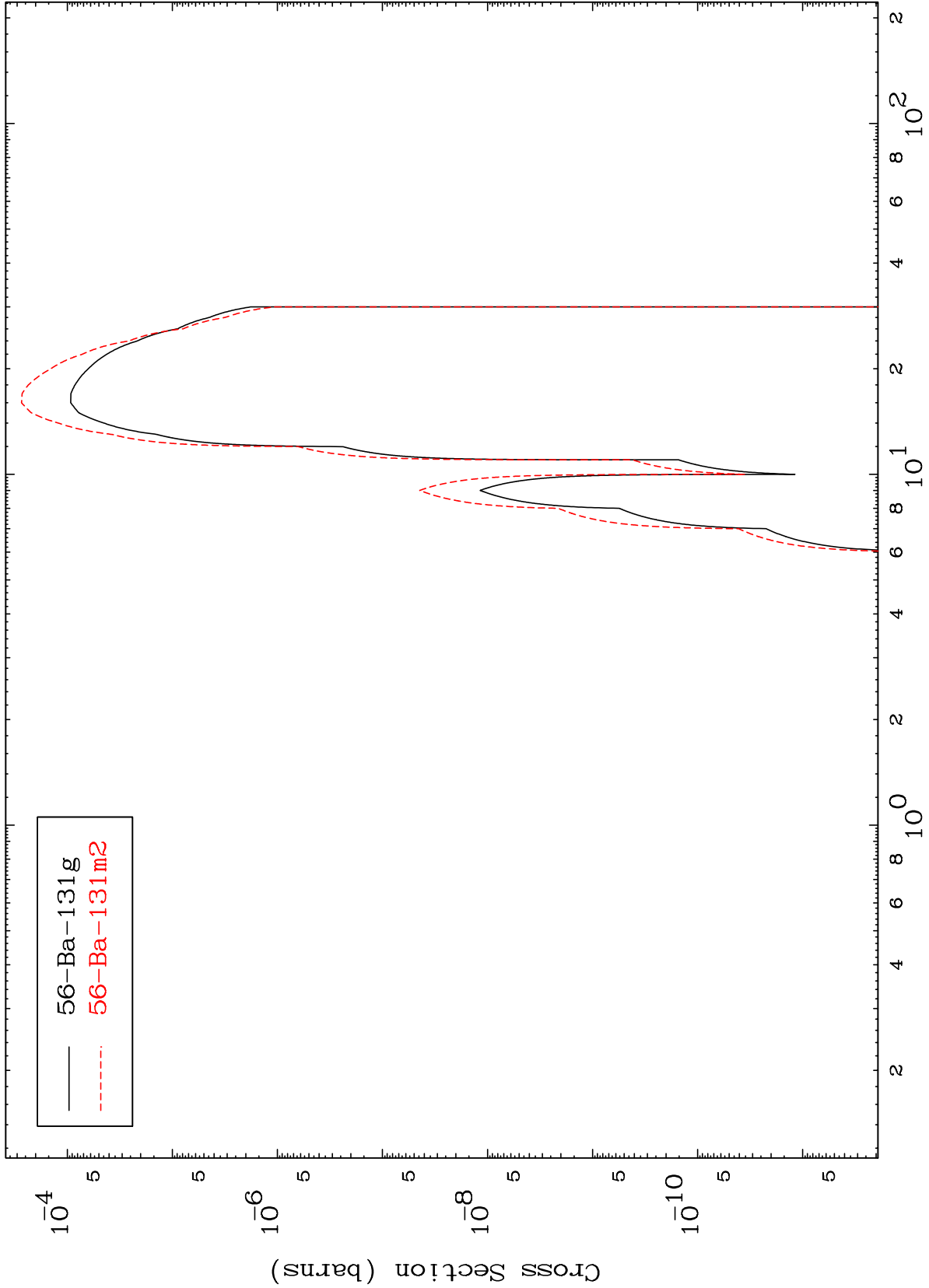
Incident Energy (MeV)

54-Xe-127m

MAT 5435

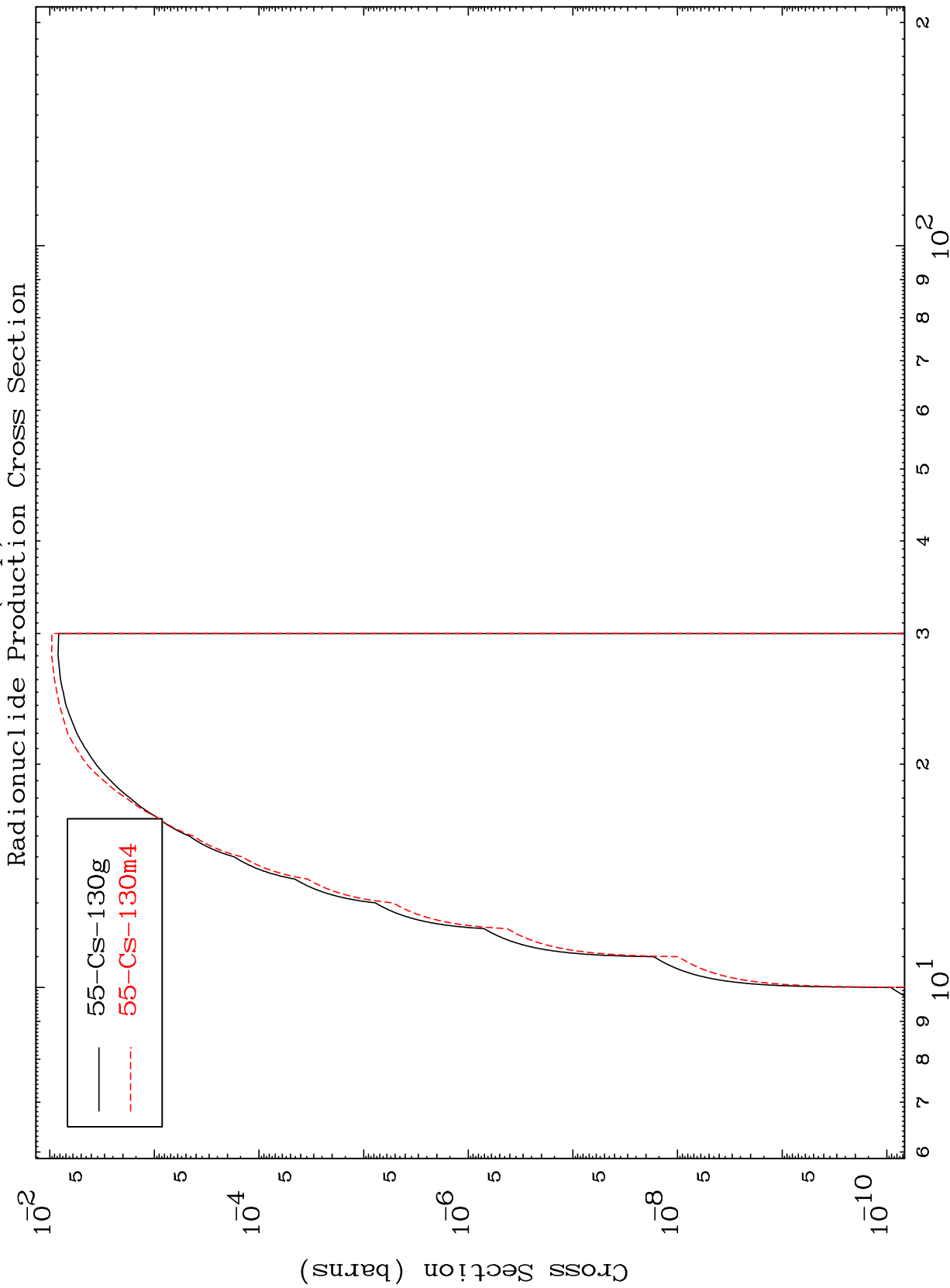
54-Xe-127m

Radionuclide Production Cross Section
(n, γ)



MAT 5435

54-Xe-127m



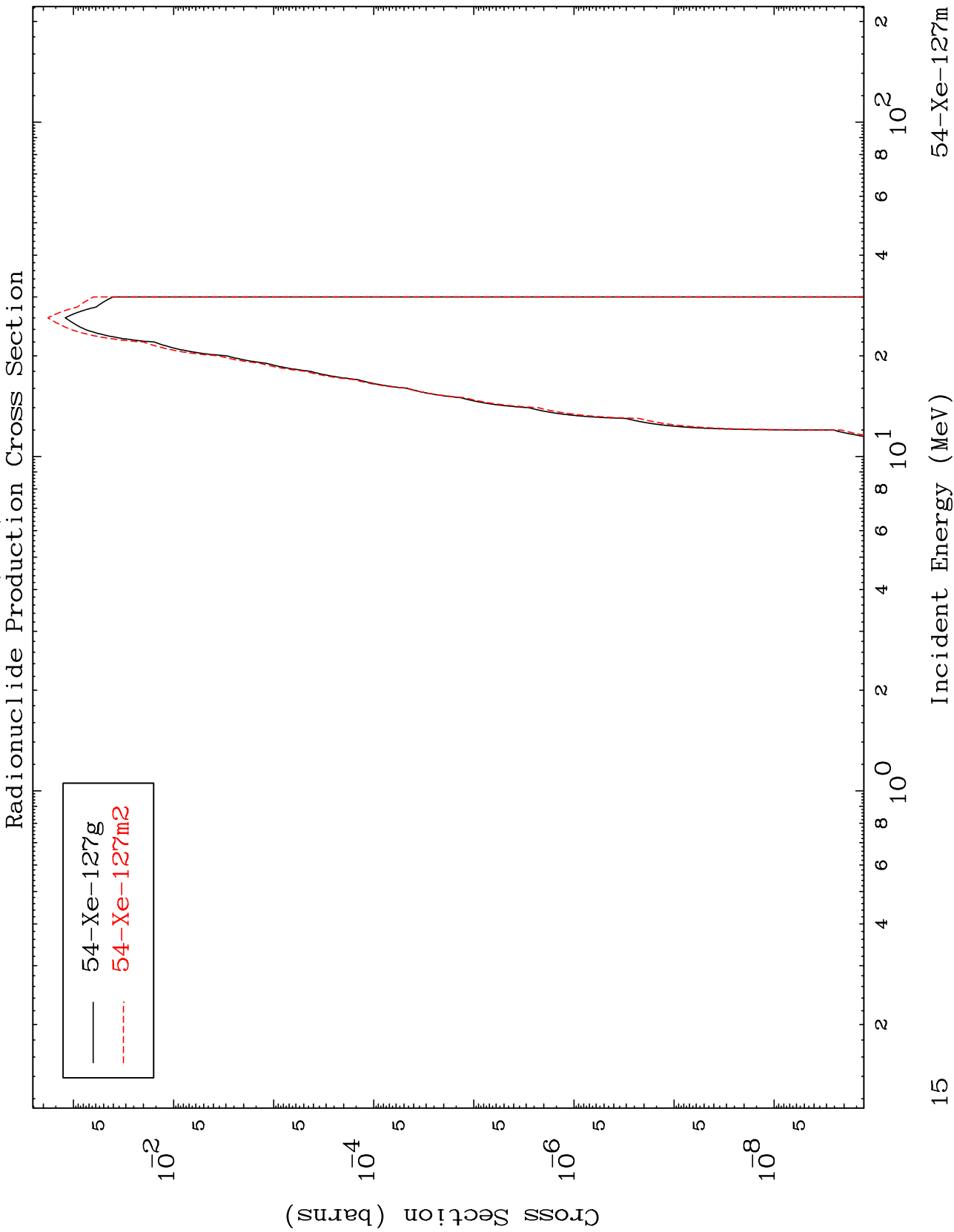
54-Xe-127m

Incident Energy (MeV)

14

MAT 5435

54-Xe-127m



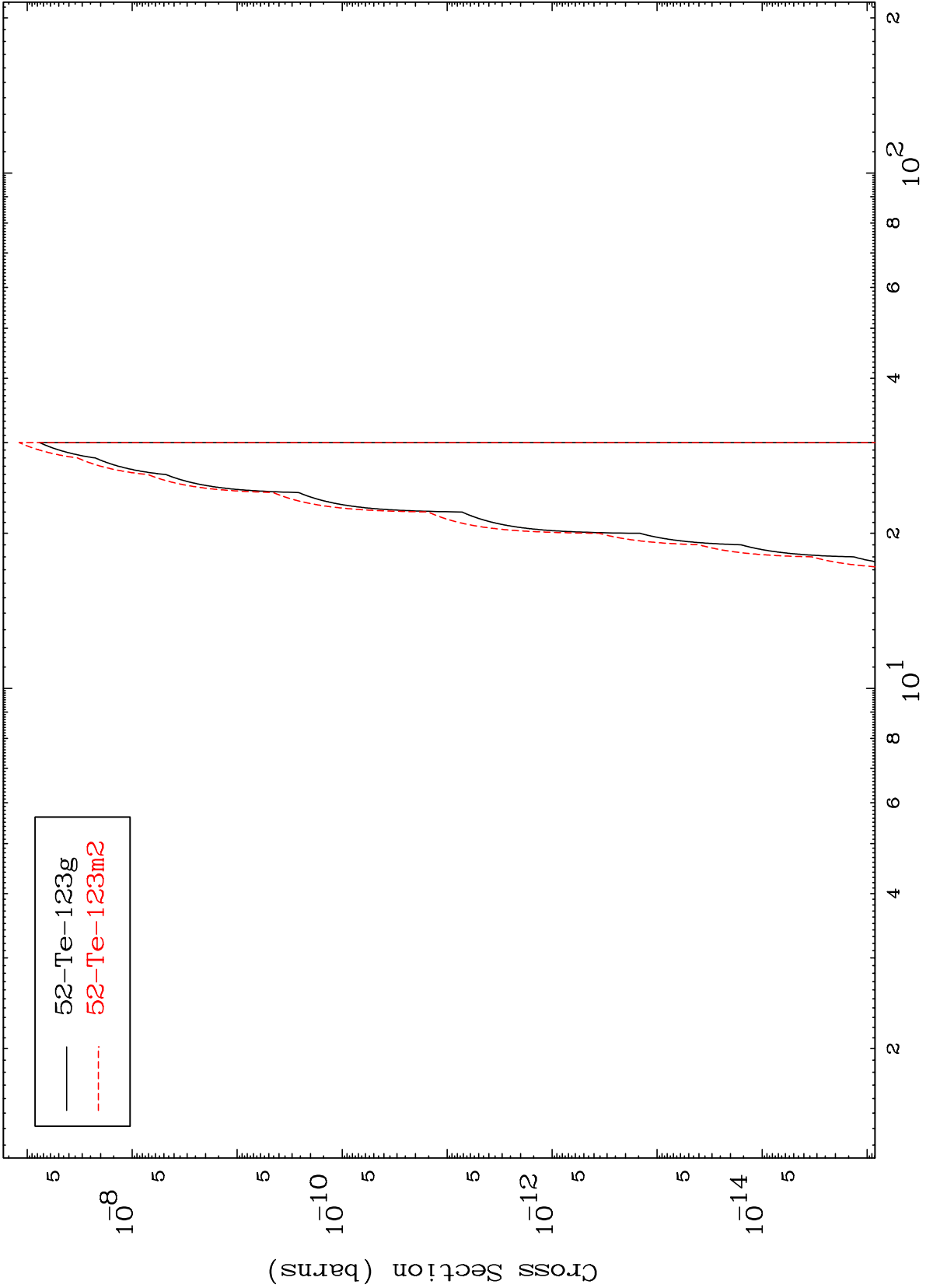
—	54-Xe-127g
- - -	54-Xe-127m2

MAT 5435

(n,2α)

54-Xe-127m

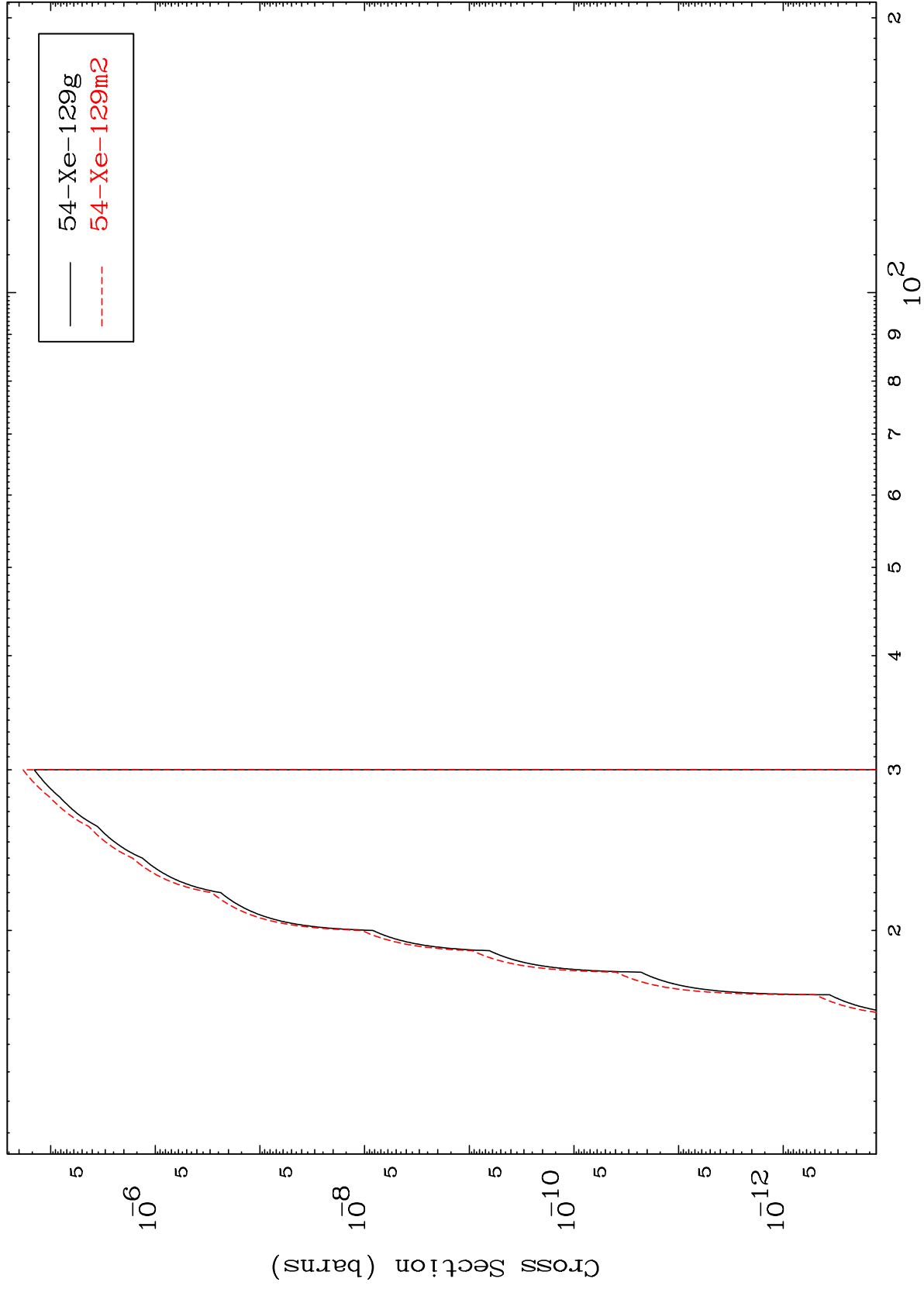
Radionuclide Production Cross Section



MAT 5435

54-Xe-127m

(n,2p)
Radionuclide Production Cross Section



17

Incident Energy (MeV)

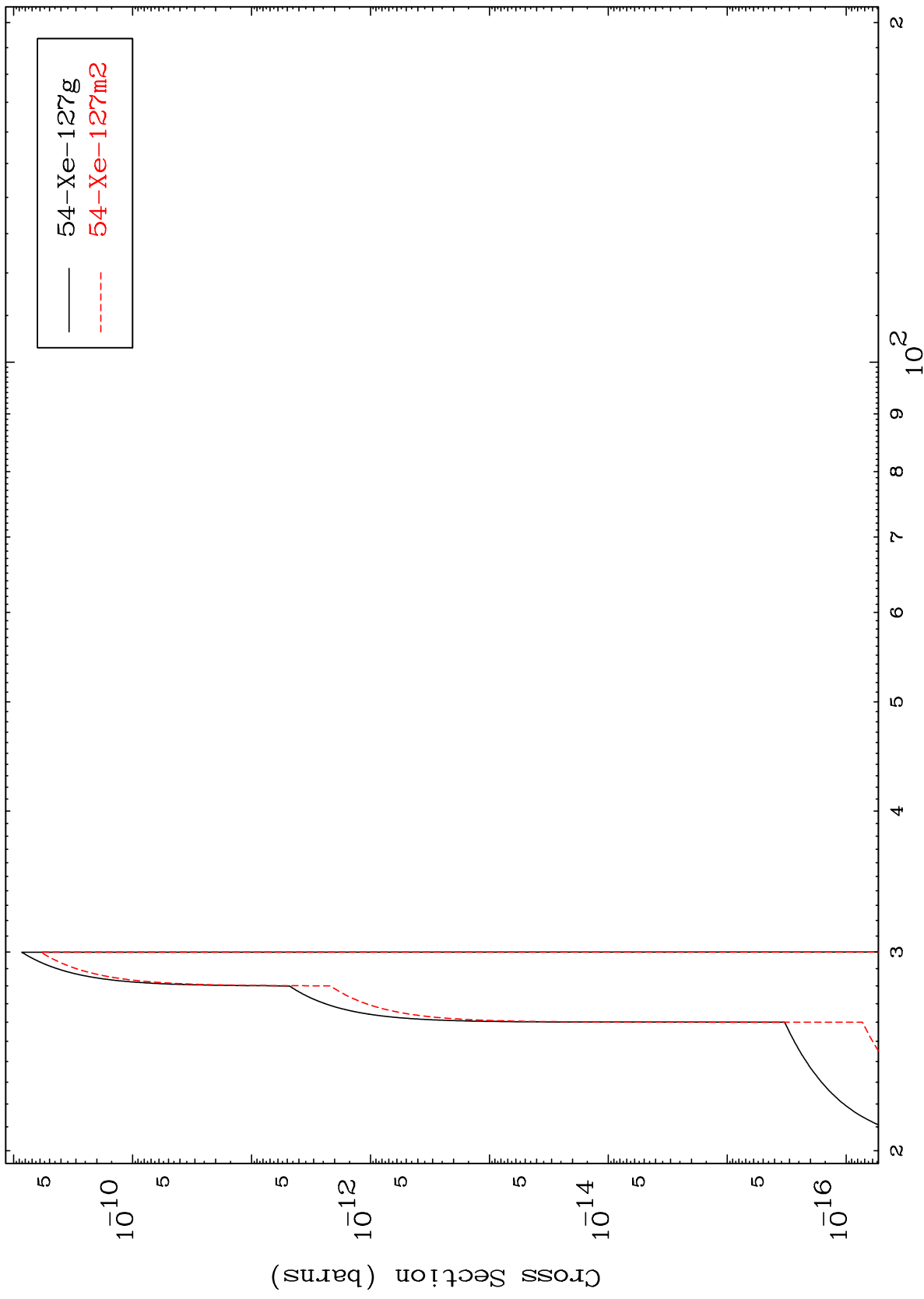
54-Xe-127m

MAT 5435

(n,p) t

54-Xe-127m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

54-Xe-127m