

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](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

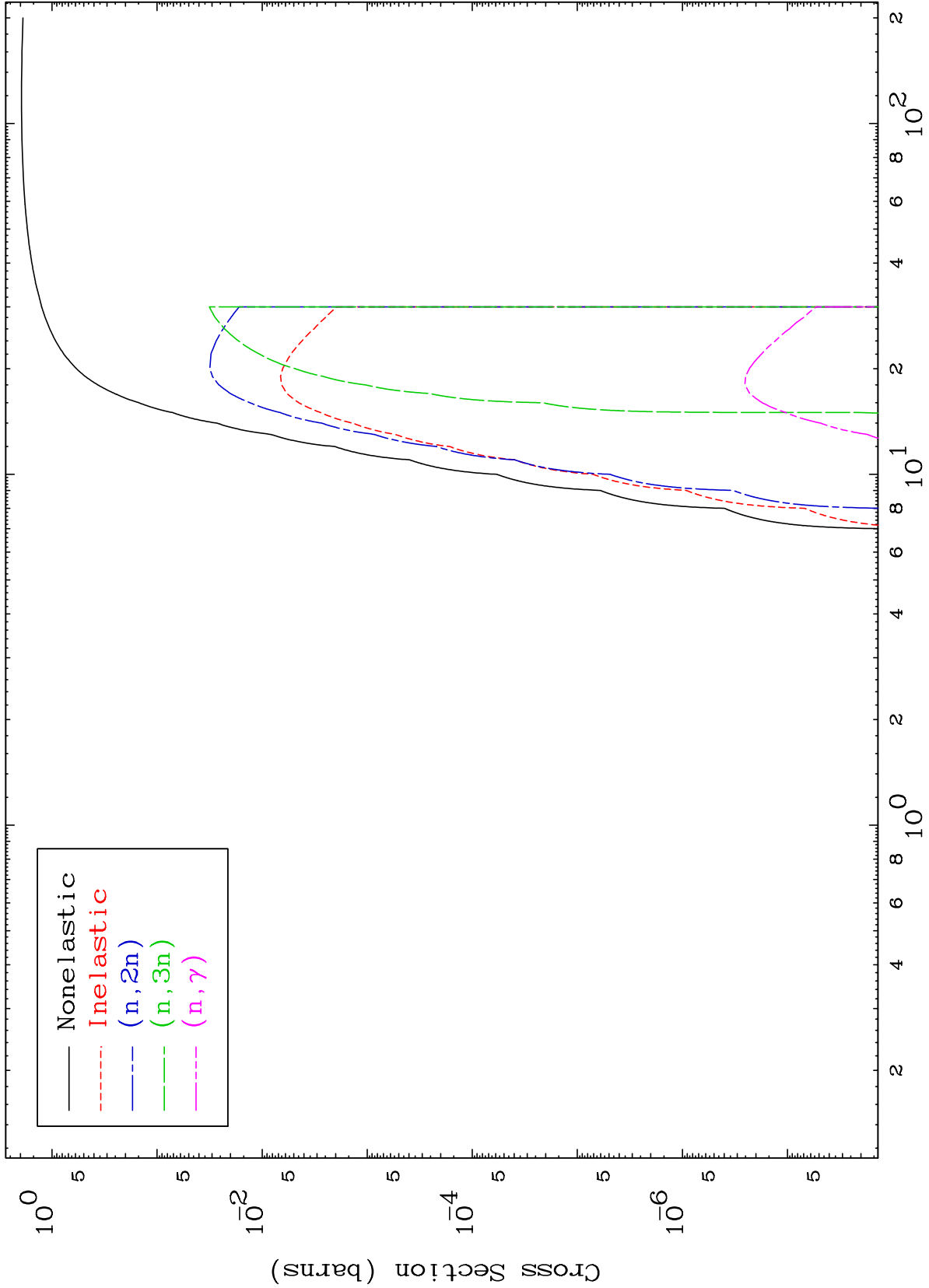
Press Mouse Button to Start

MAT 5435

He-3 Major

54-Xe-127m

0 Kelvin Cross Sections



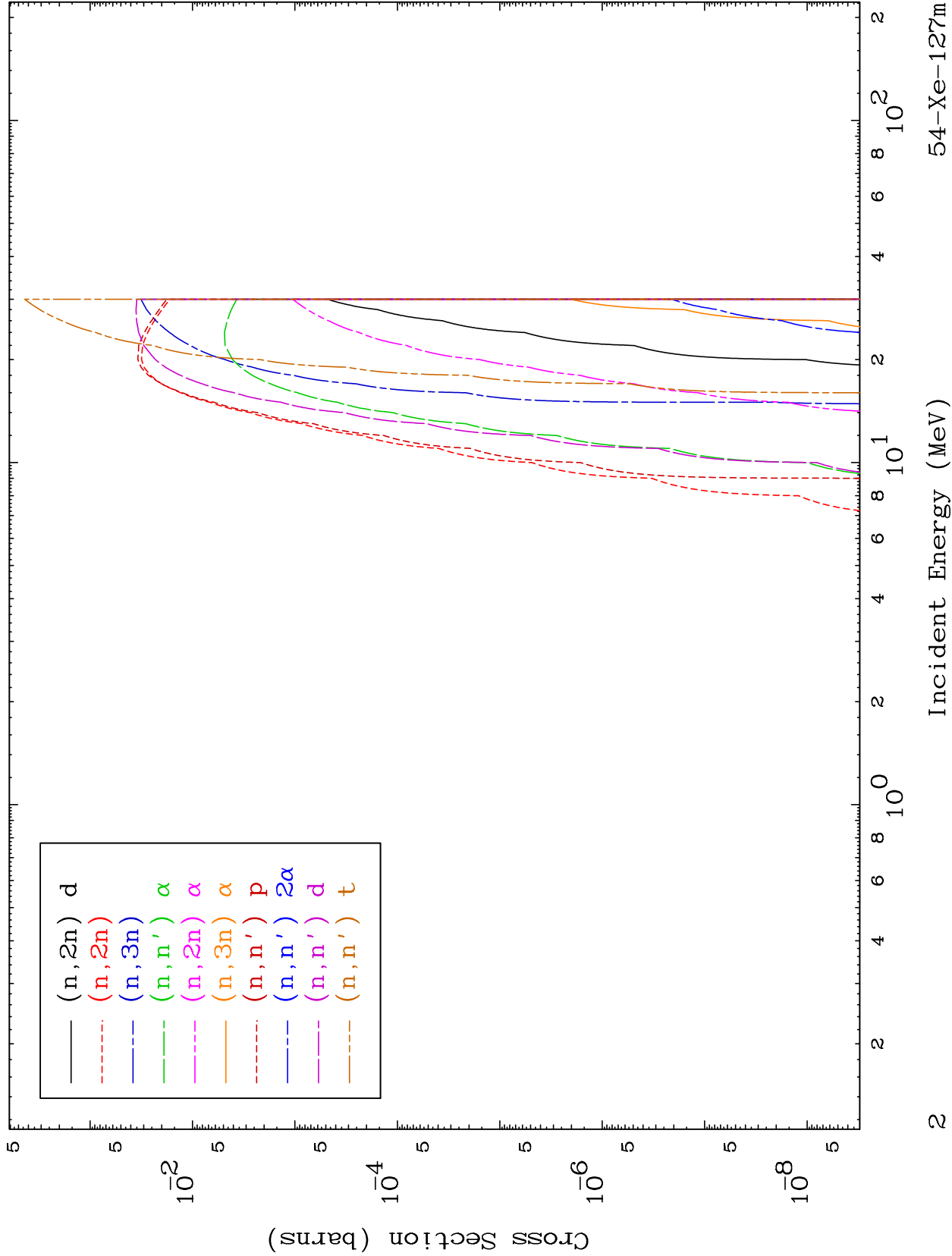
Incident Energy (MeV)

54-Xe-127m

MAT 5435

He-3 Neutron Absorption  
0 Kelvin Cross Sections

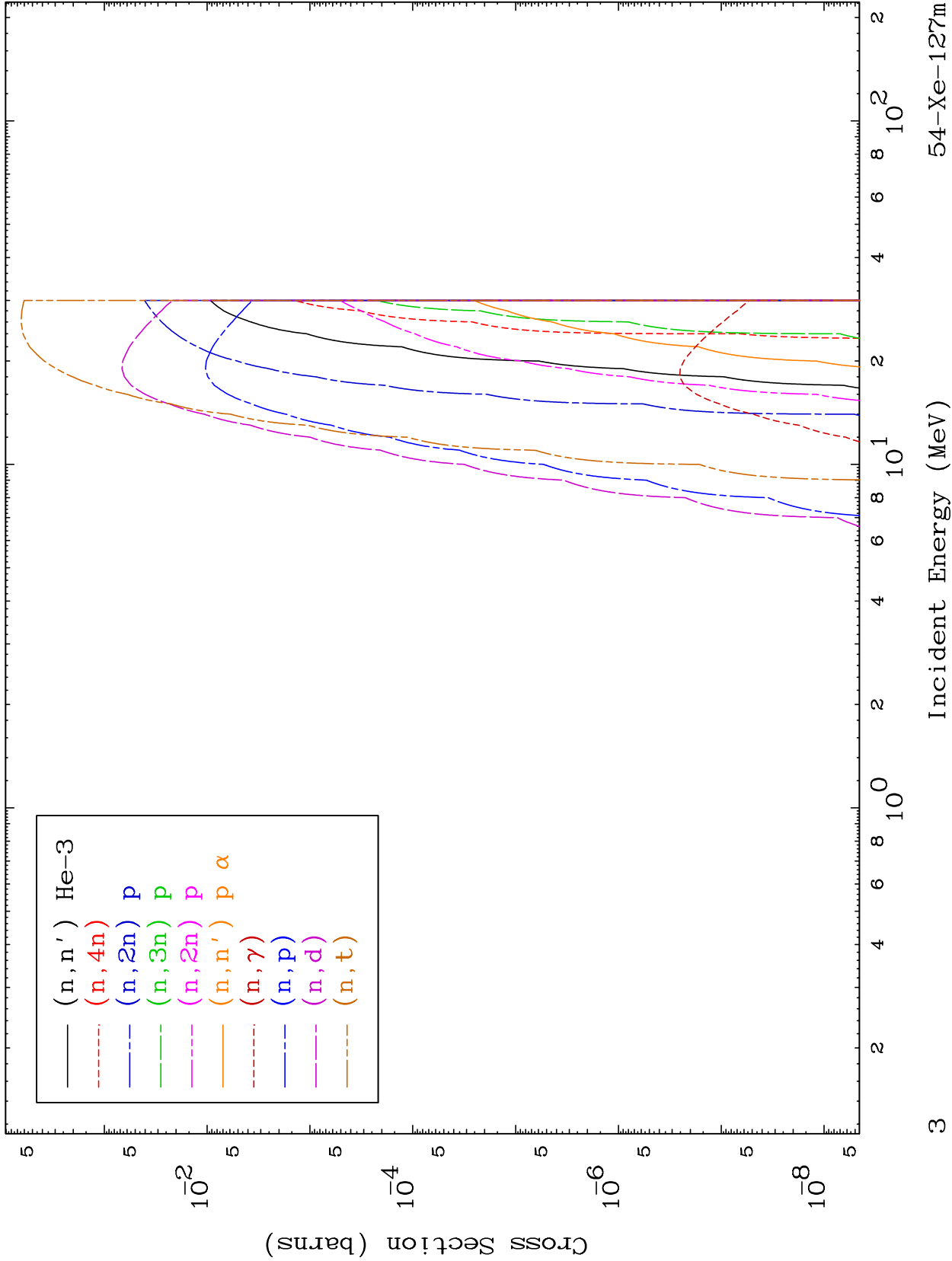
54-Xe-127m



MAT 5435

He-3 Neutron Absorption  
0 Kelvin Cross Sections

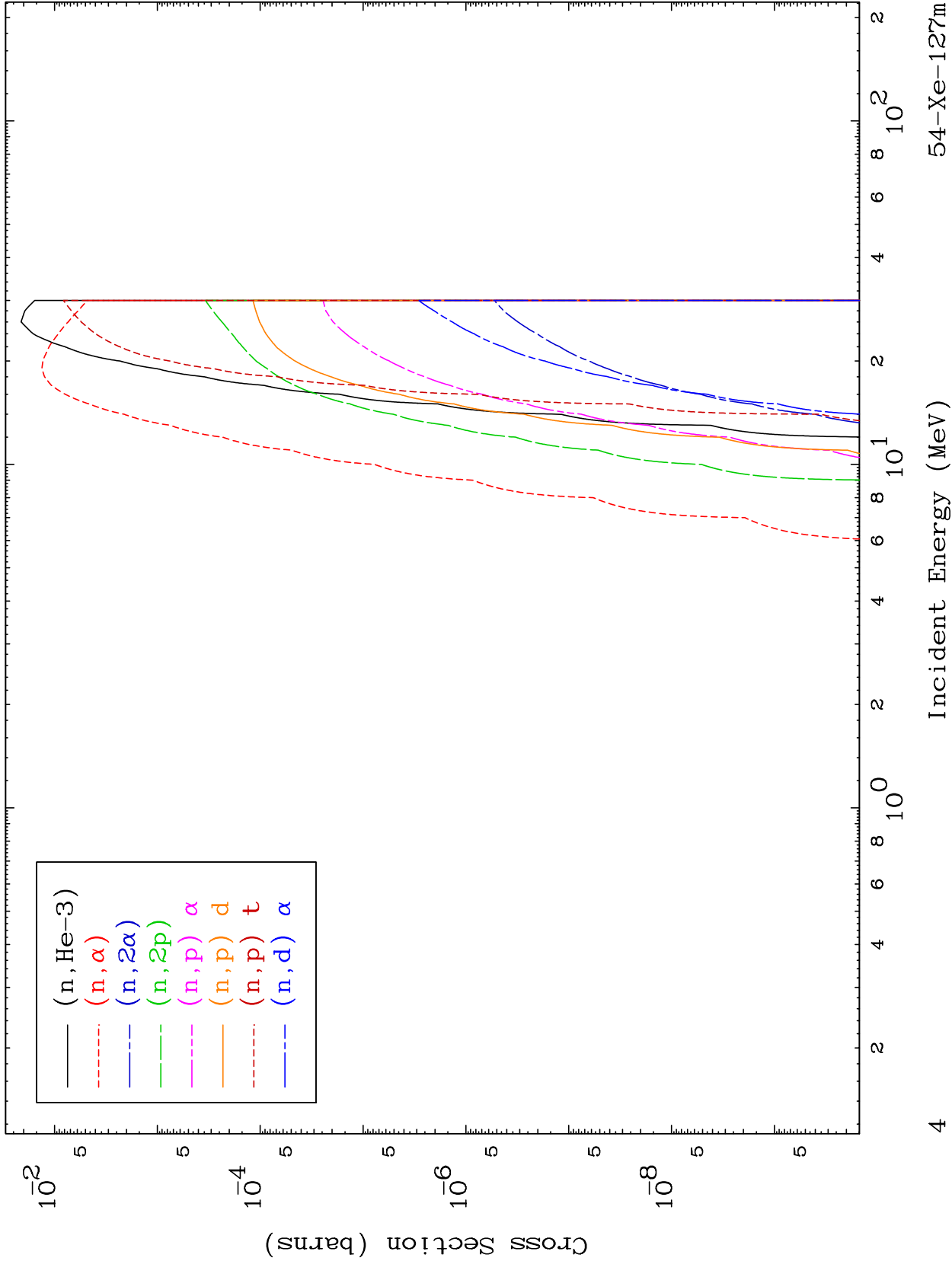
54-Xe-127m



MAT 5435

He-3 Neutron Absorption  
0 Kelvin Cross Sections

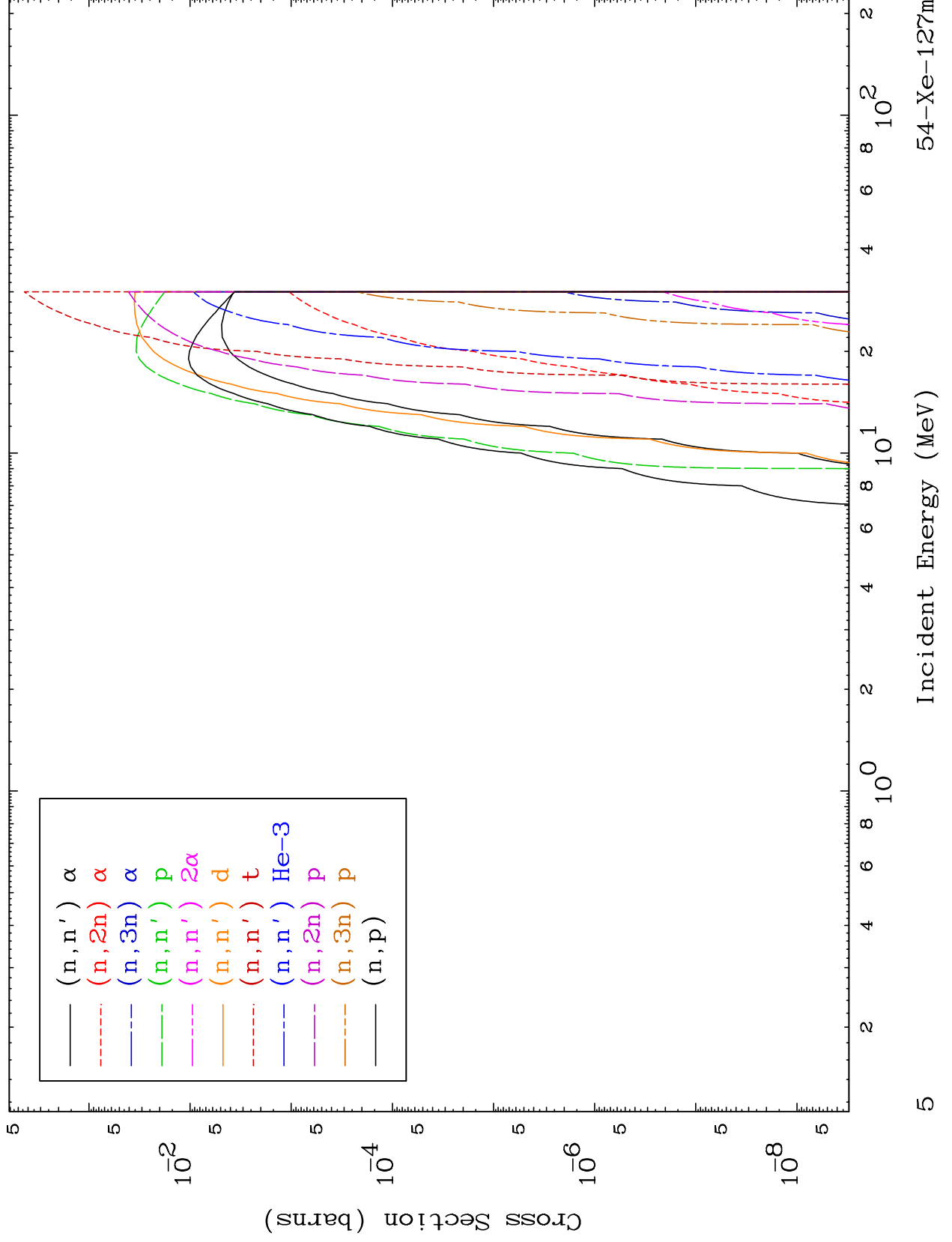
54-Xe-127m



MAT 5435

He-3 Charged Particle  
0 Kelvin Cross Sections

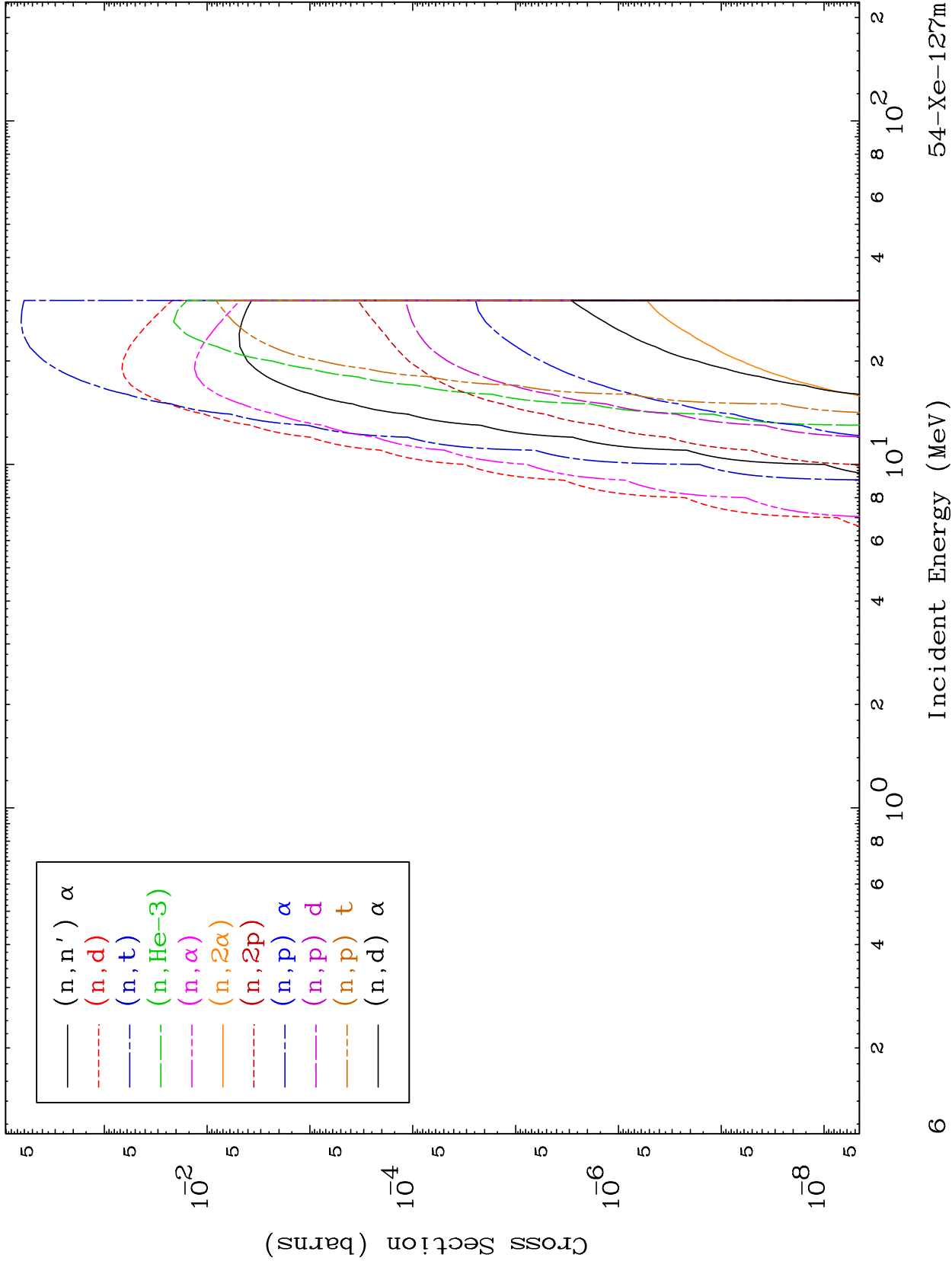
54-Xe-127m



MAT 5435

He-3 Charged Particle  
0 Kelvin Cross Sections

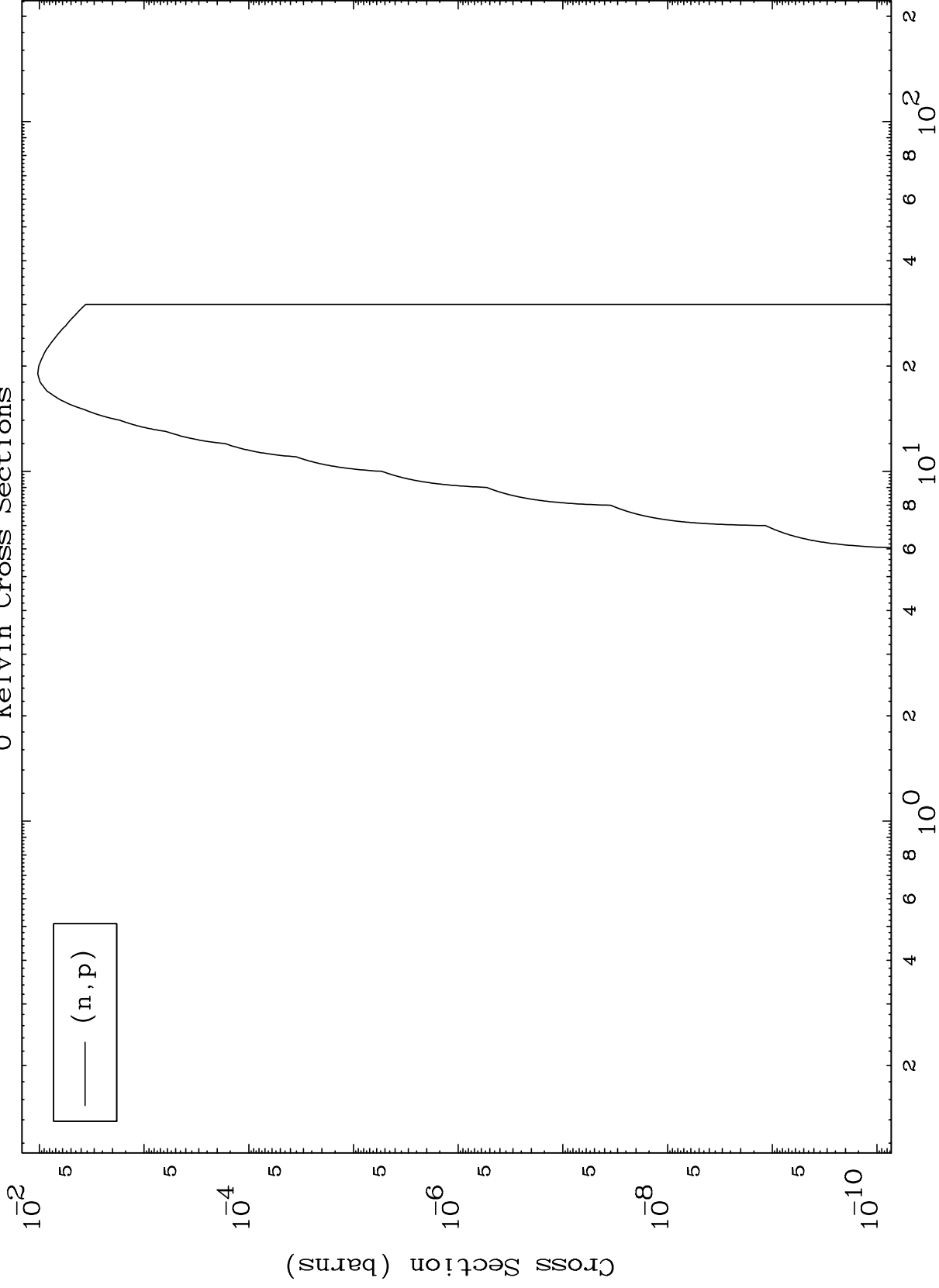
54-Xe-127m



MAT 5435

(He-3,p) Levels  
0 Kelvin Cross Sections

54-Xe-127m

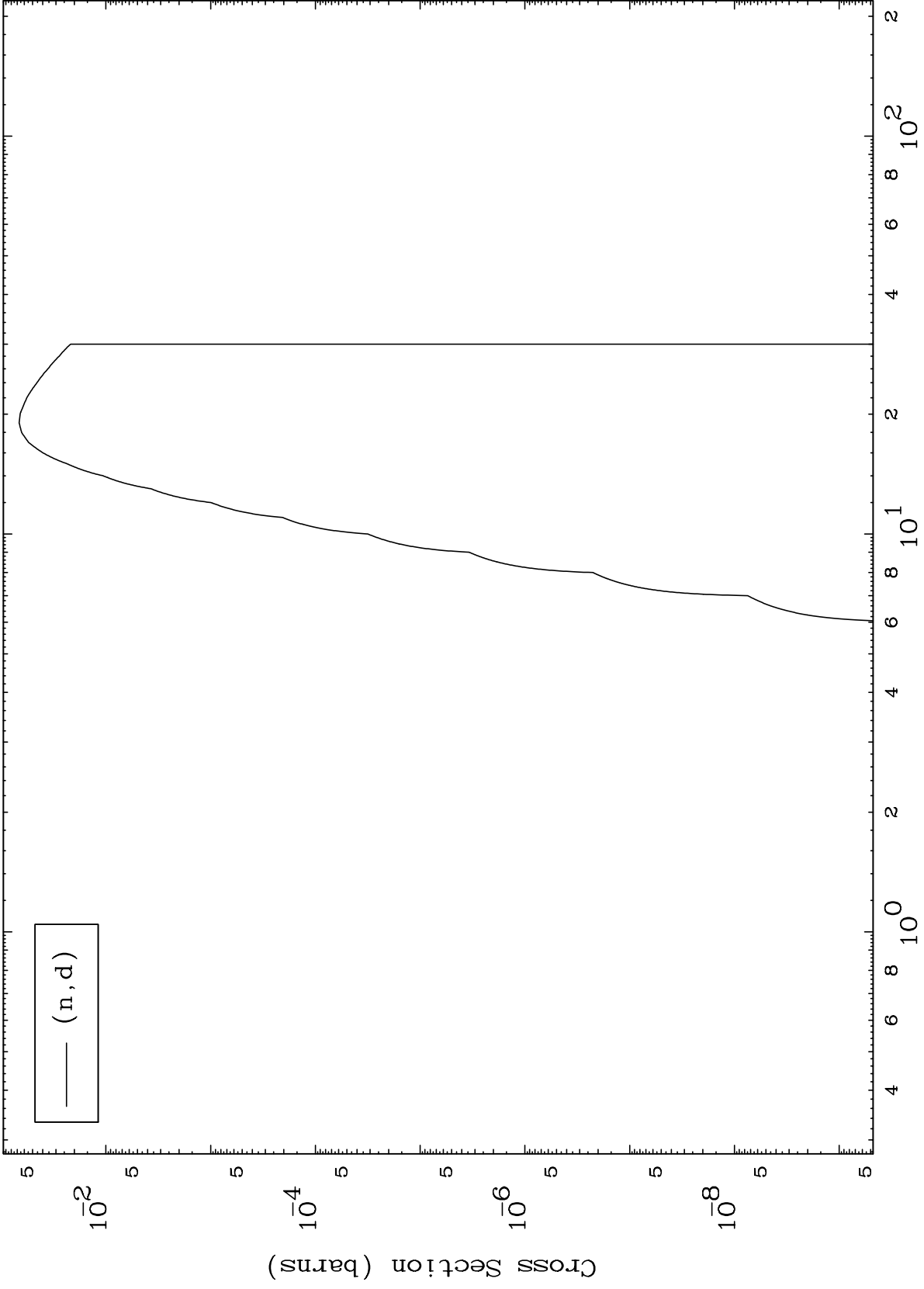


(n,p)

MAT 5435

(He-3,d) Levels  
0 Kelvin Cross Sections

54-Xe-127m



8

Incident Energy (MeV)

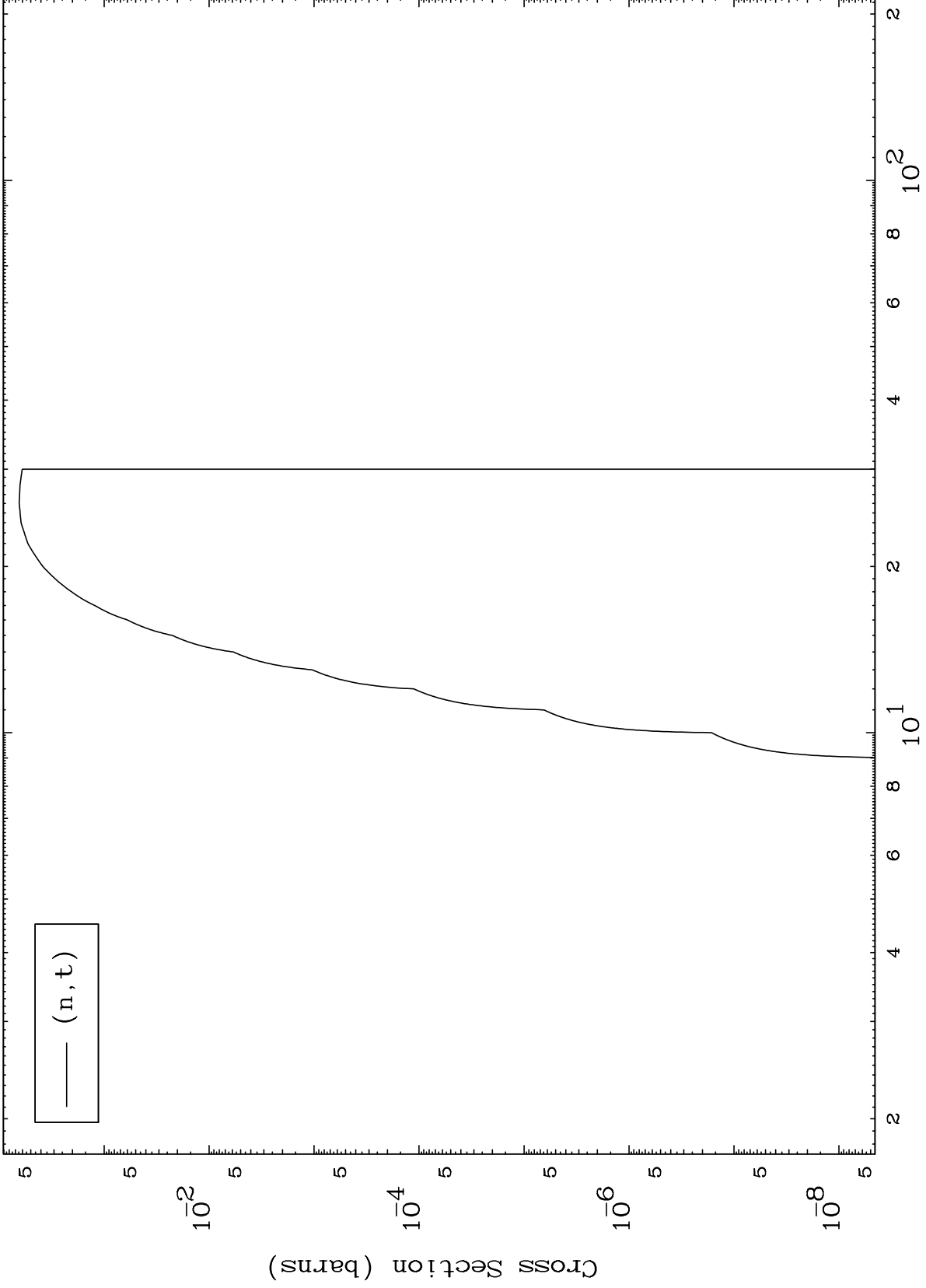
54-Xe-127m

MAT 5435

(He-3,t) Levels

54-Xe-127m

0 Kelvin Cross Sections

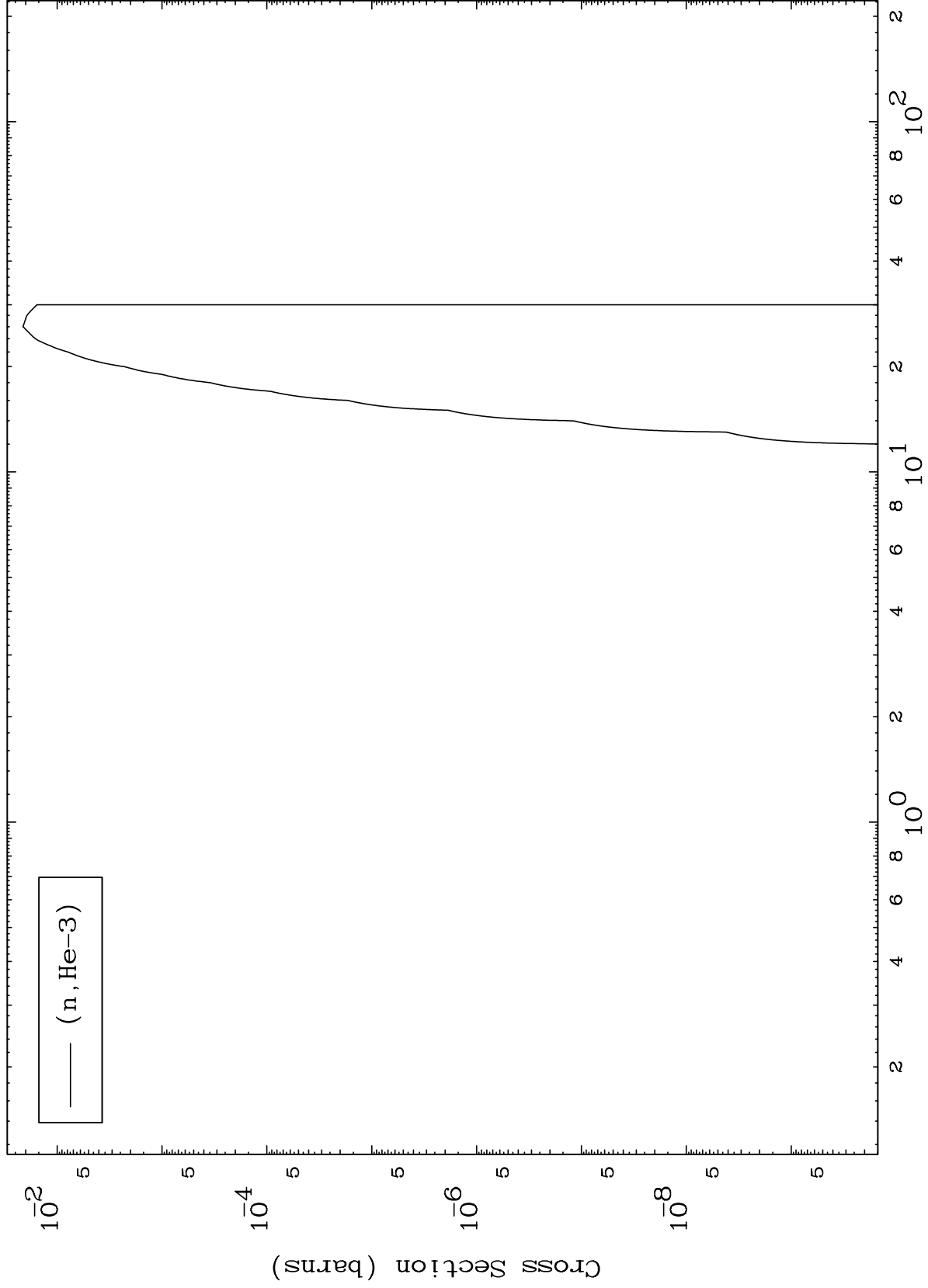


— (n, t)

MAT 5435

(He-3, He3) Levels  
0 Kelvin Cross Sections

54-Xe-127m



10

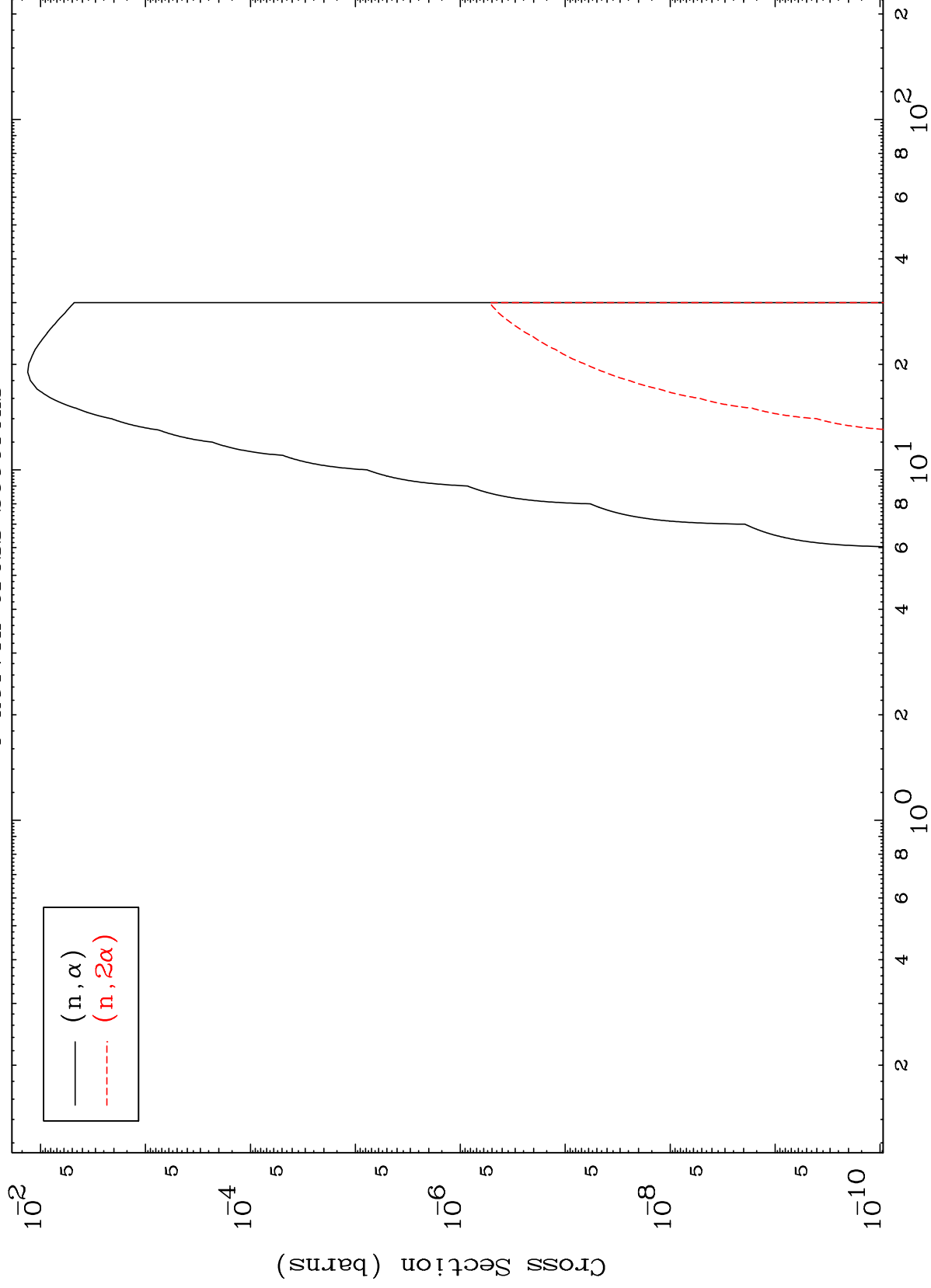
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(He-3,  $\alpha$ ) Levels  
0 Kelvin Cross Sections

54-Xe-127m



11

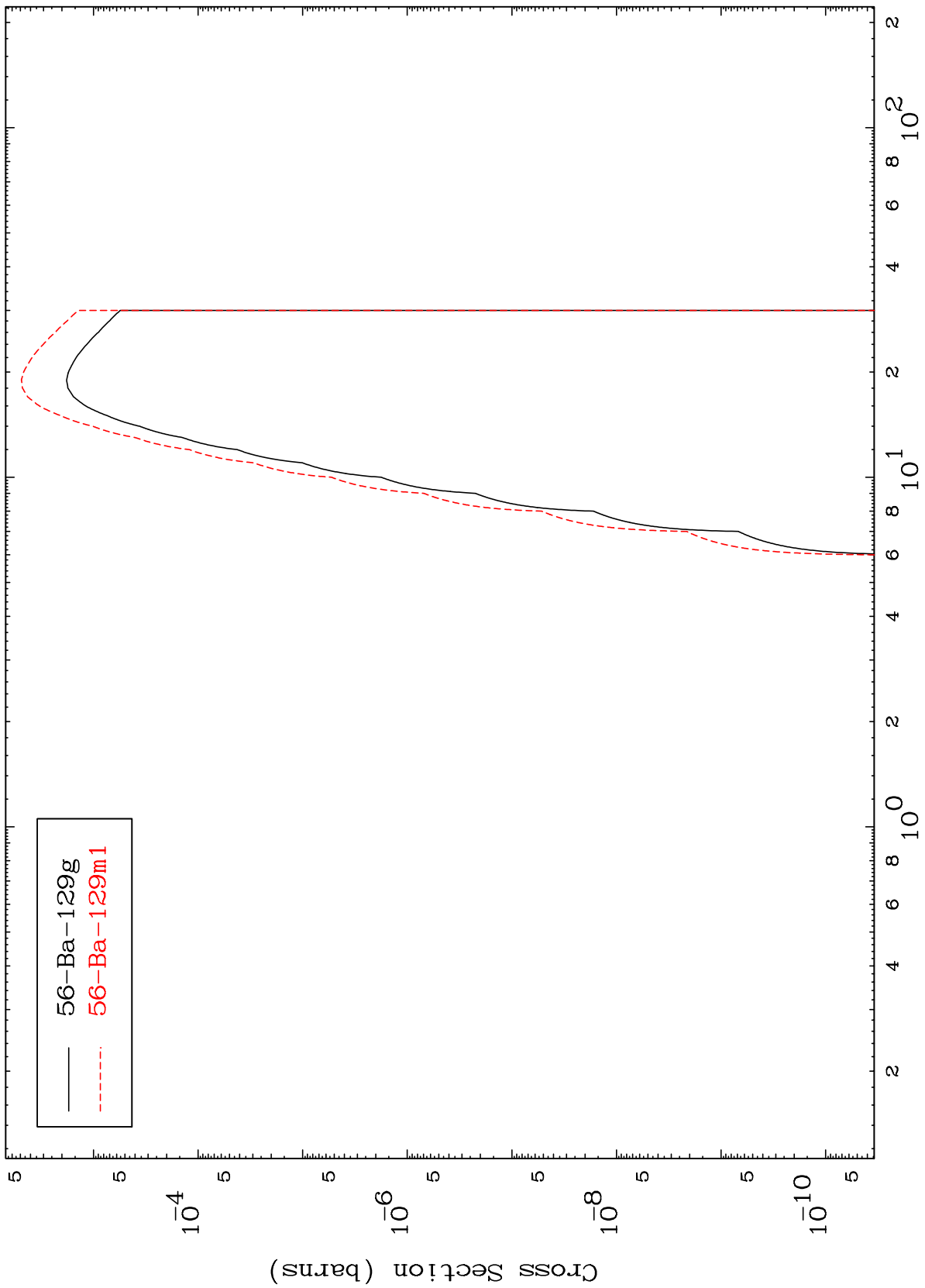
Incident Energy (MeV)

54-Xe-127m

MAT 5435

54-Xe-127m

Radionuclide Production Cross Section



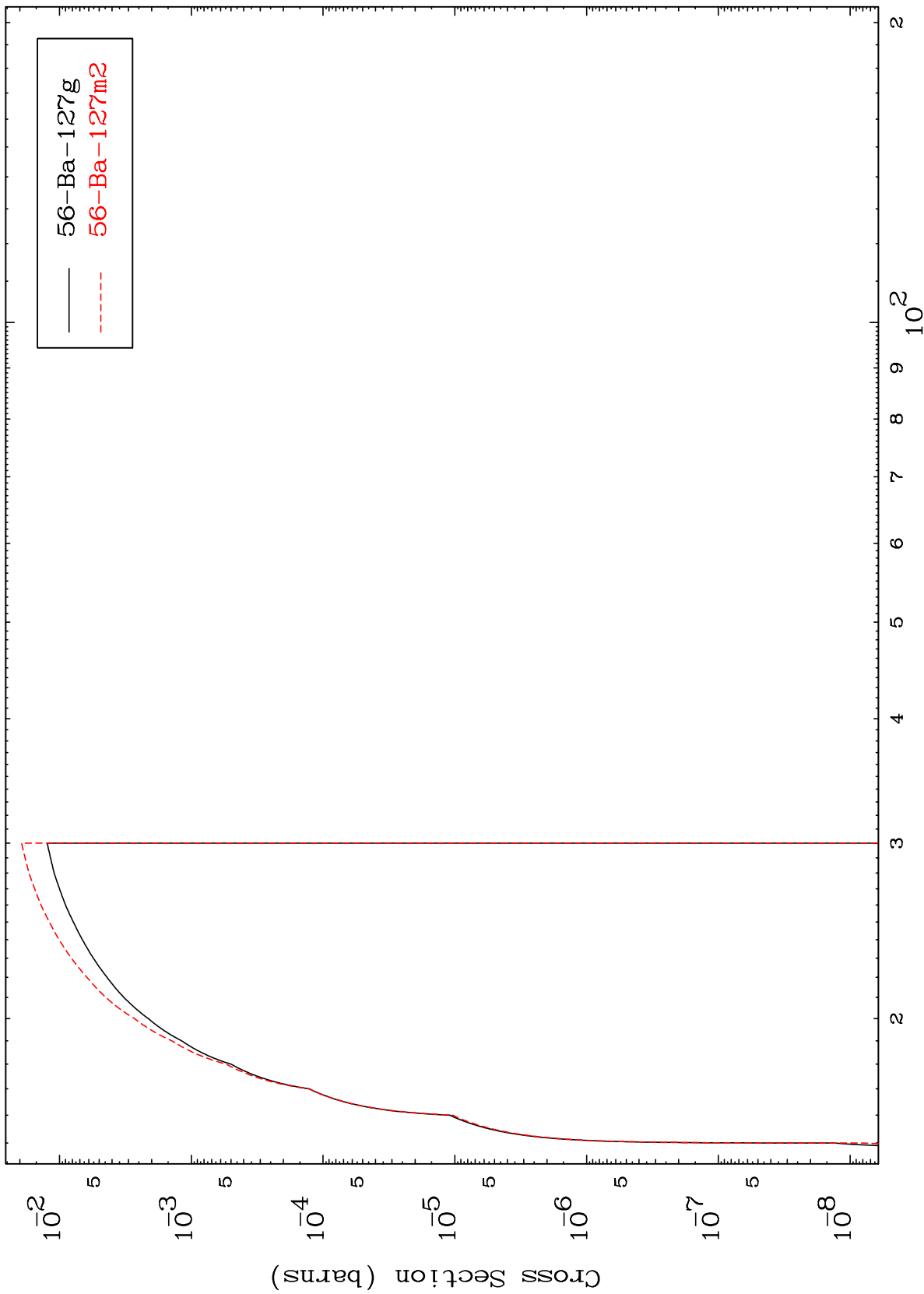
56-Ba-129g  
56-Ba-129m1

54-Xe-127m

Incident Energy (MeV)

12

(n,3n)  
Radionuclide Production Cross Section

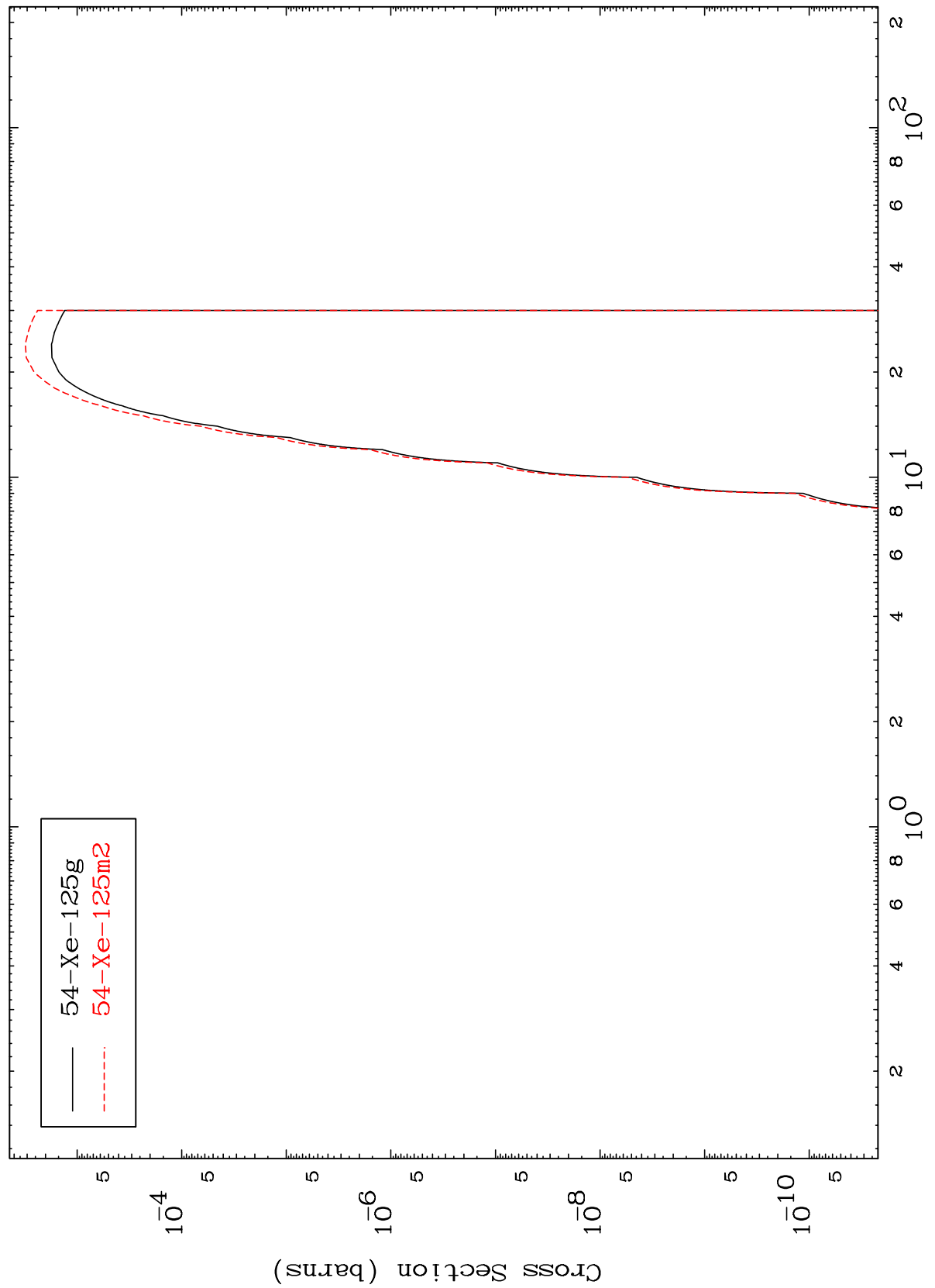


MAT 5435

(n,n')  $\alpha$

54-Xe-127m

Radionuclide Production Cross Section



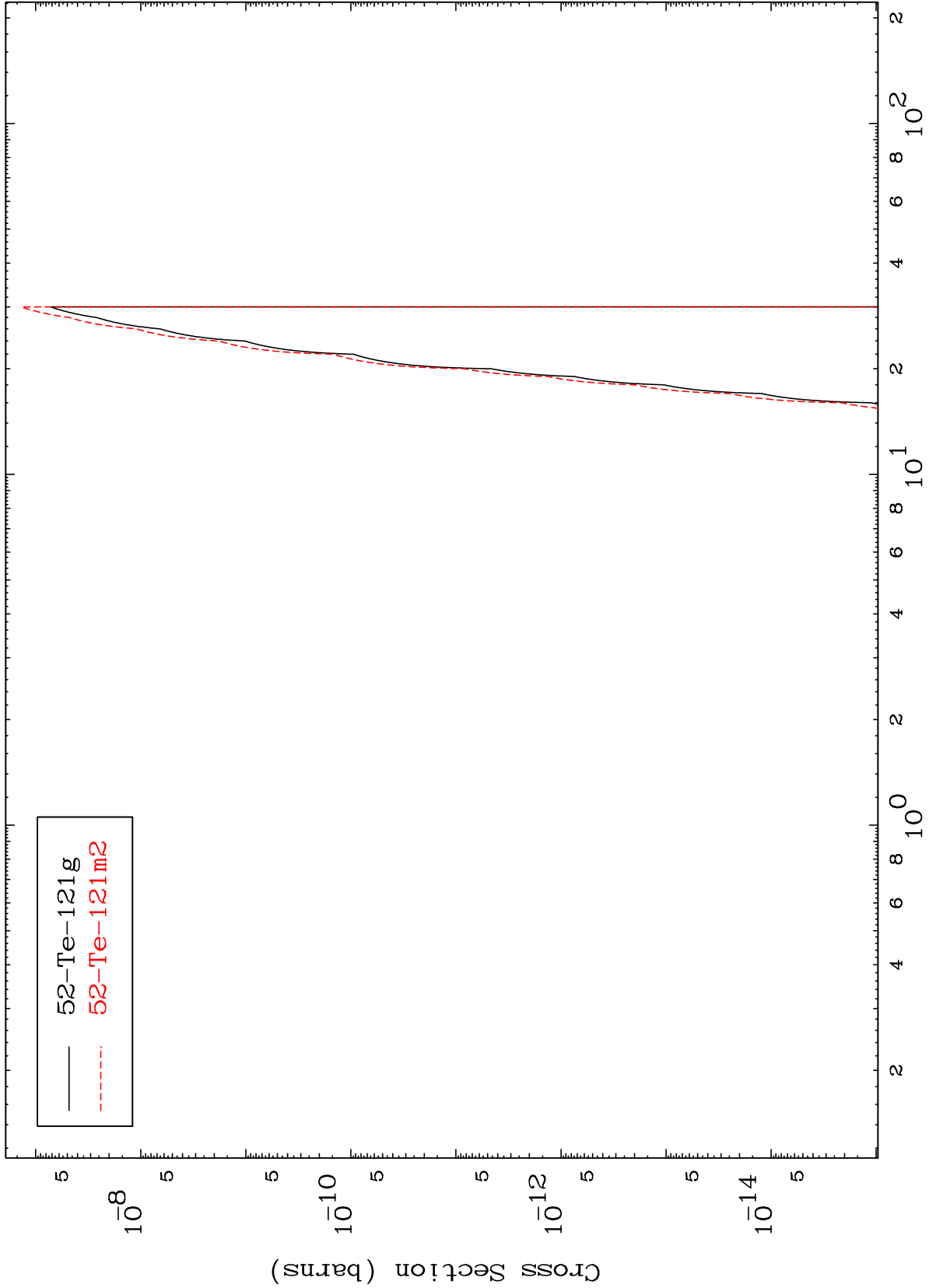
54-Xe-125g  
54-Xe-125m2

MAT 5435

(n,n') 2 $\alpha$

54-Xe-127m

Radionuclide Production Cross Section

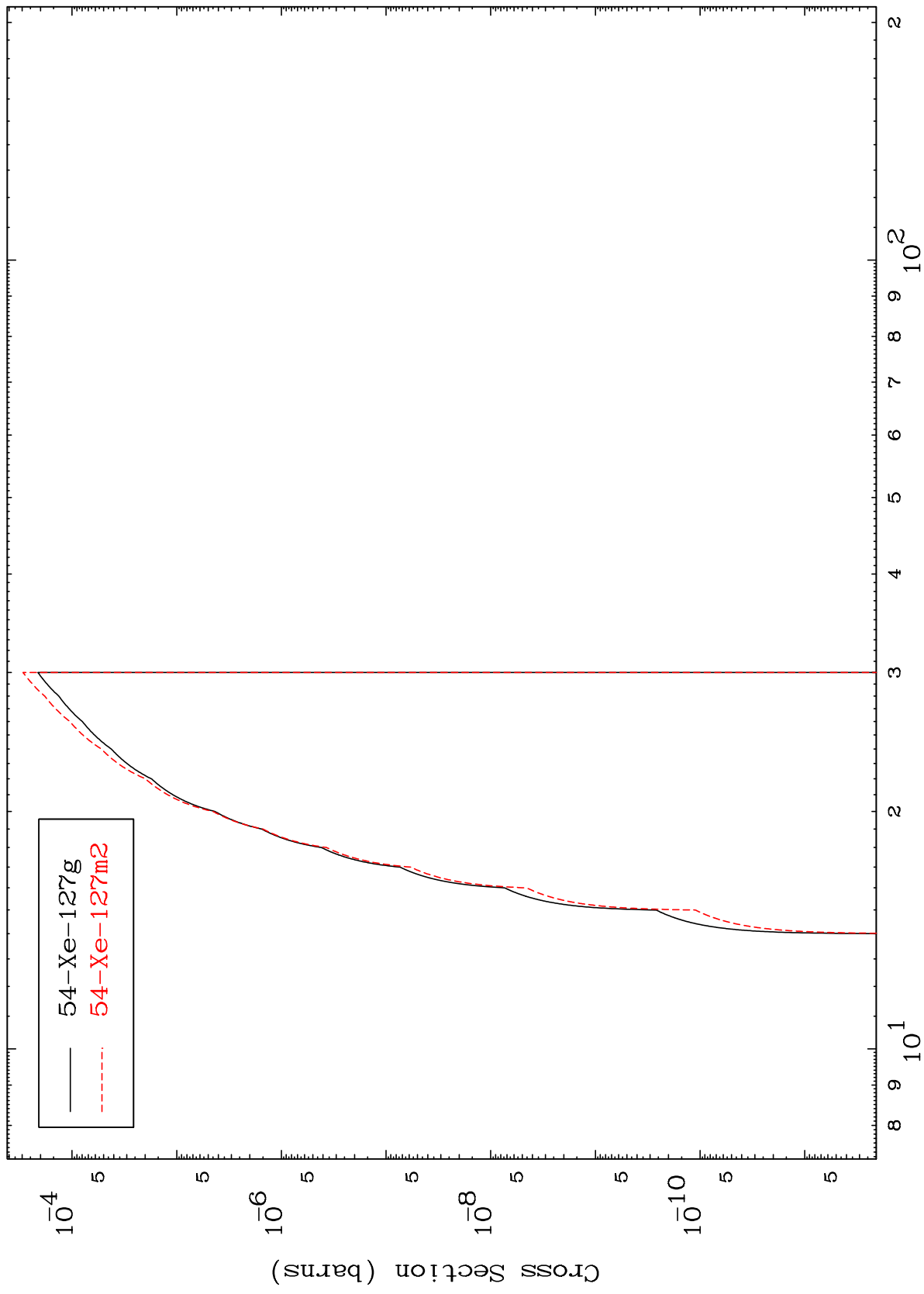


MAT 5435

(n,2n) p

54-Xe-127m

Radionuclide Production Cross Section



16

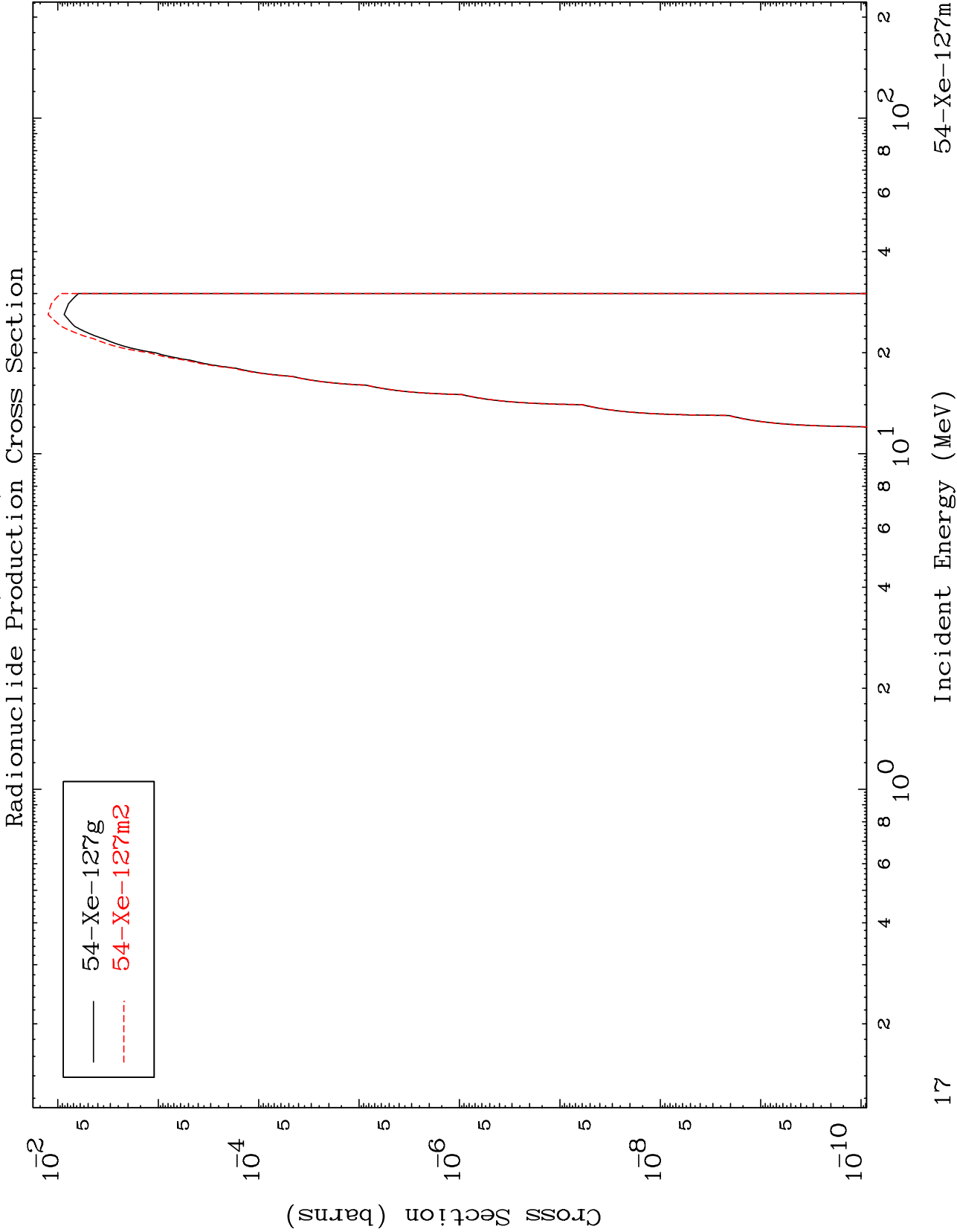
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(n,He-3)

54-Xe-127m

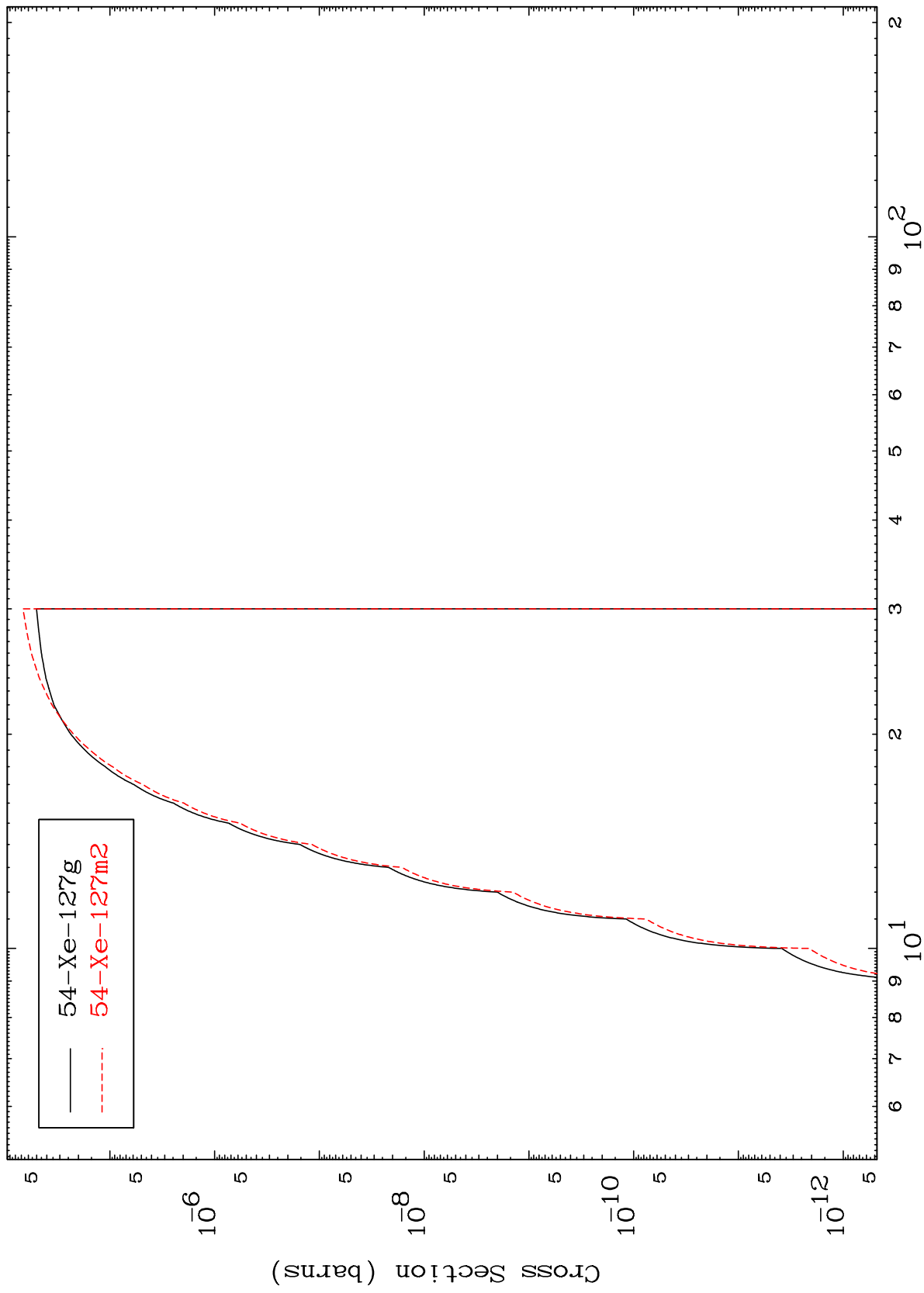


MAT 5435

54-Xe-127m

(n,p) d

Radionuclide Production Cross Section



18

Incident Energy (MeV)

54-Xe-127m