

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)

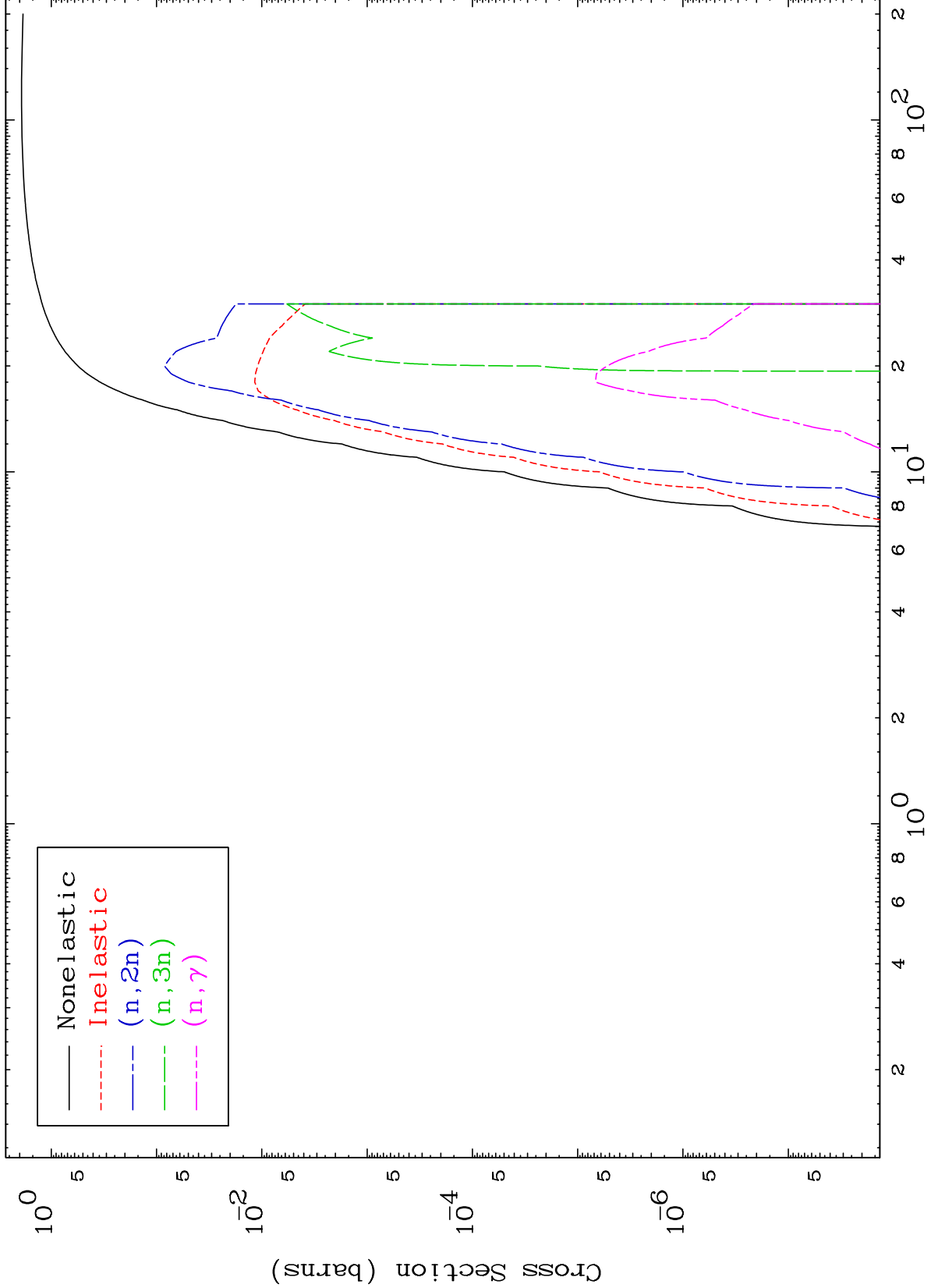
Press Mouse Button to Start

MAT 5422

He-3 Major

54-Xe-123

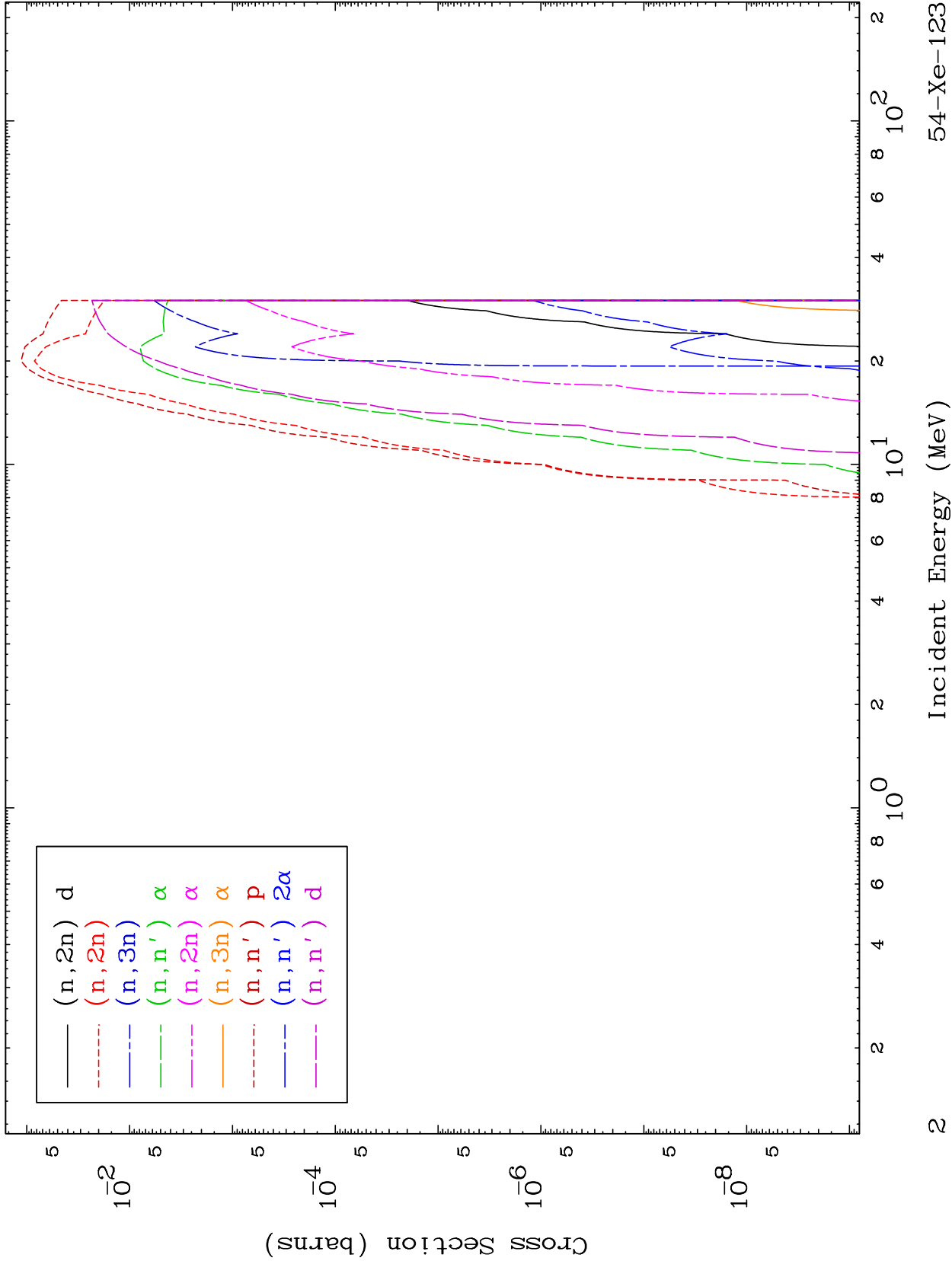
0 Kelvin Cross Sections



MAT 5422

He-3 Neutron Absorption  
0 Kelvin Cross Sections

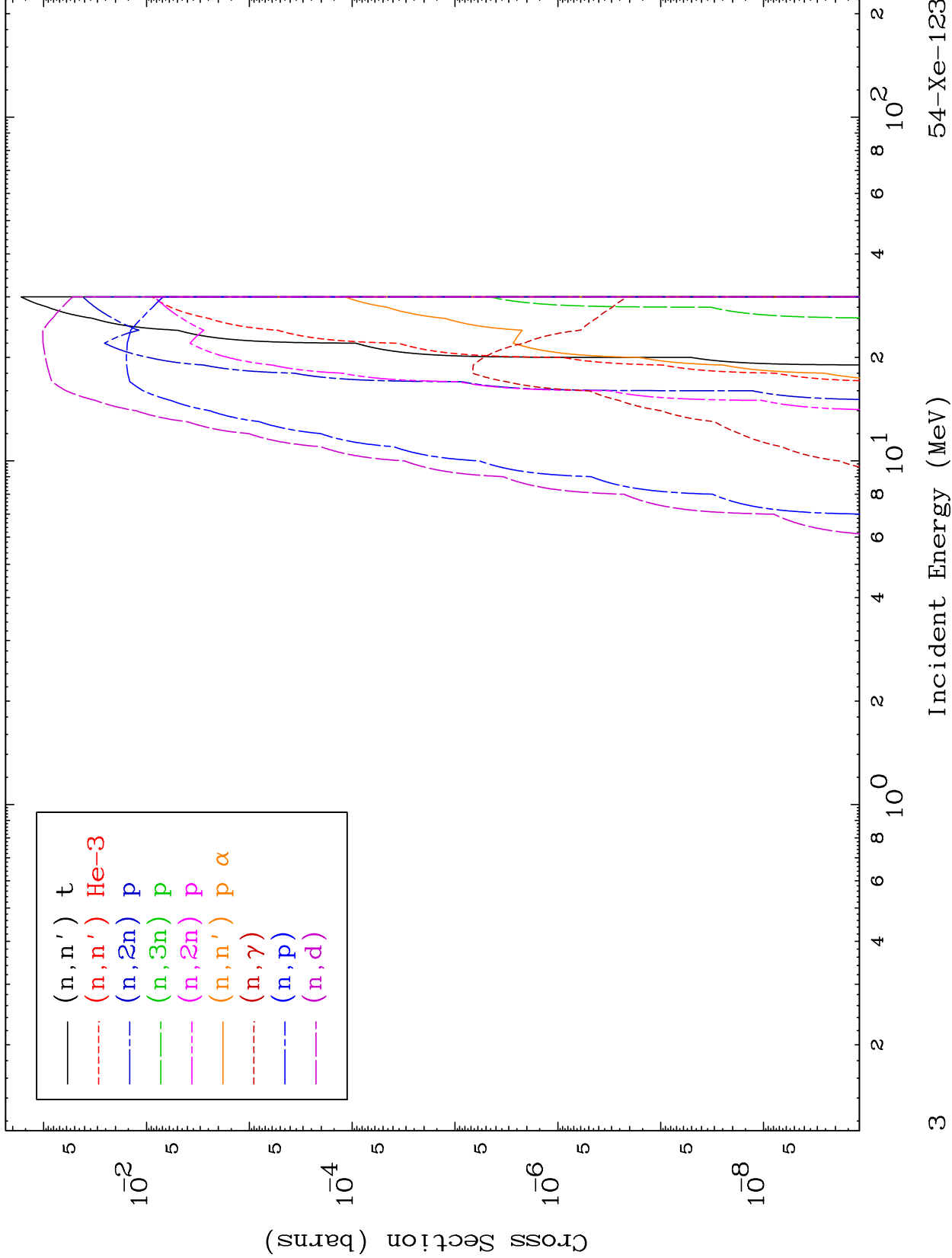
54-Xe-123



MAT 5422

He-3 Neutron Absorption  
0 Kelvin Cross Sections

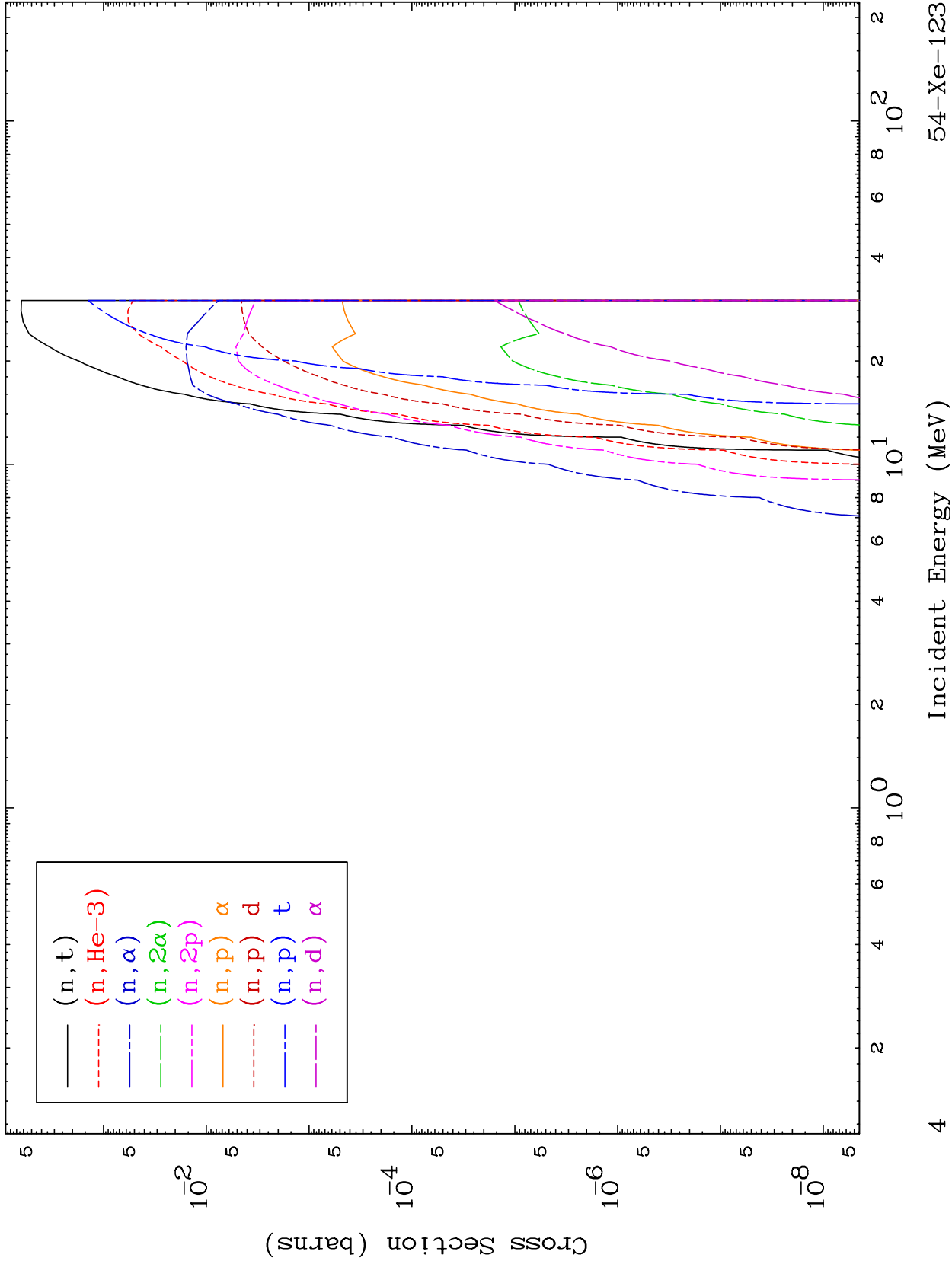
54-Xe-123

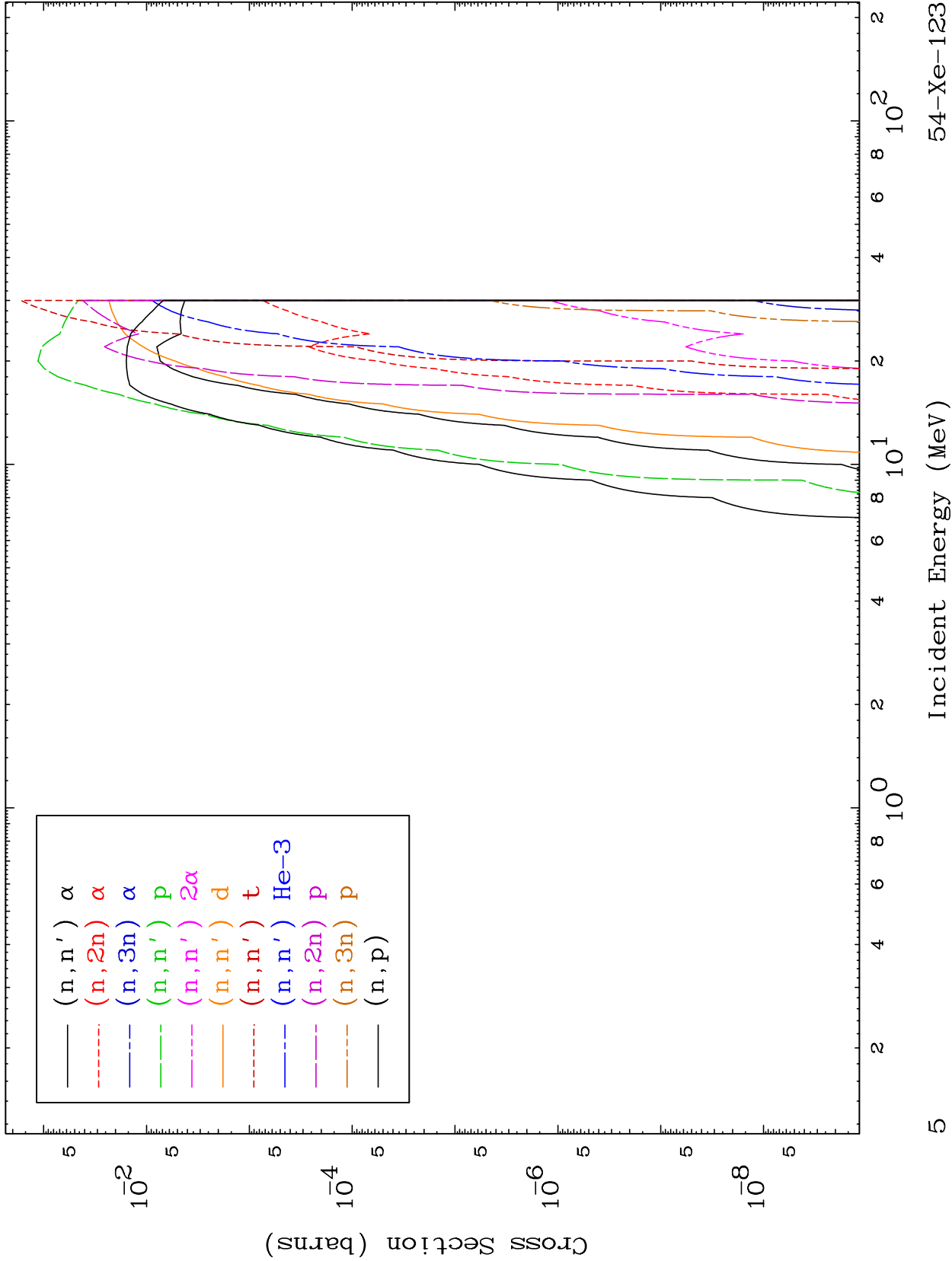


MAT 5422

He-3 Neutron Absorption  
0 Kelvin Cross Sections

54-Xe-123

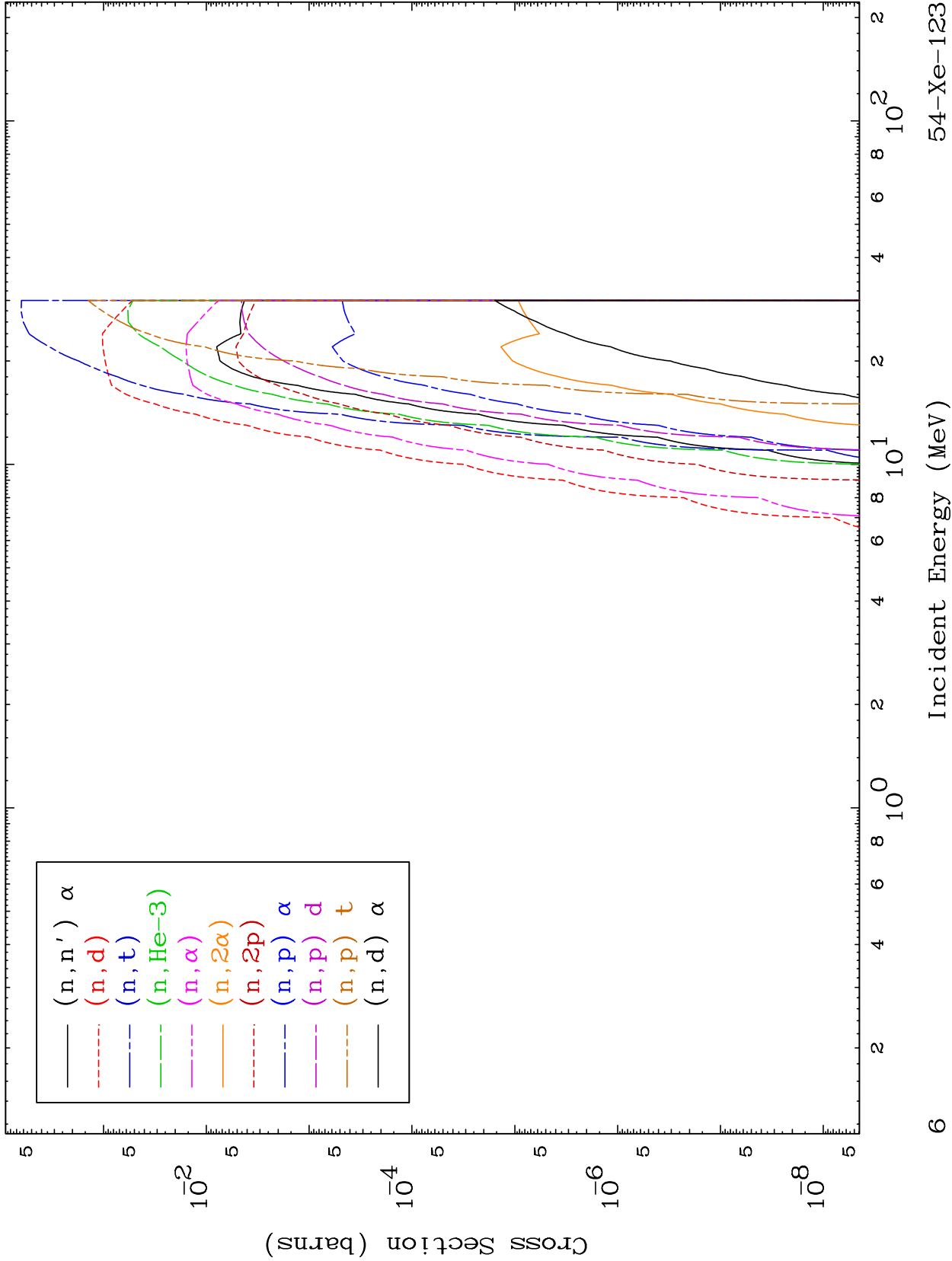




MAT 5422

He-3 Charged Particle  
0 Kelvin Cross Sections

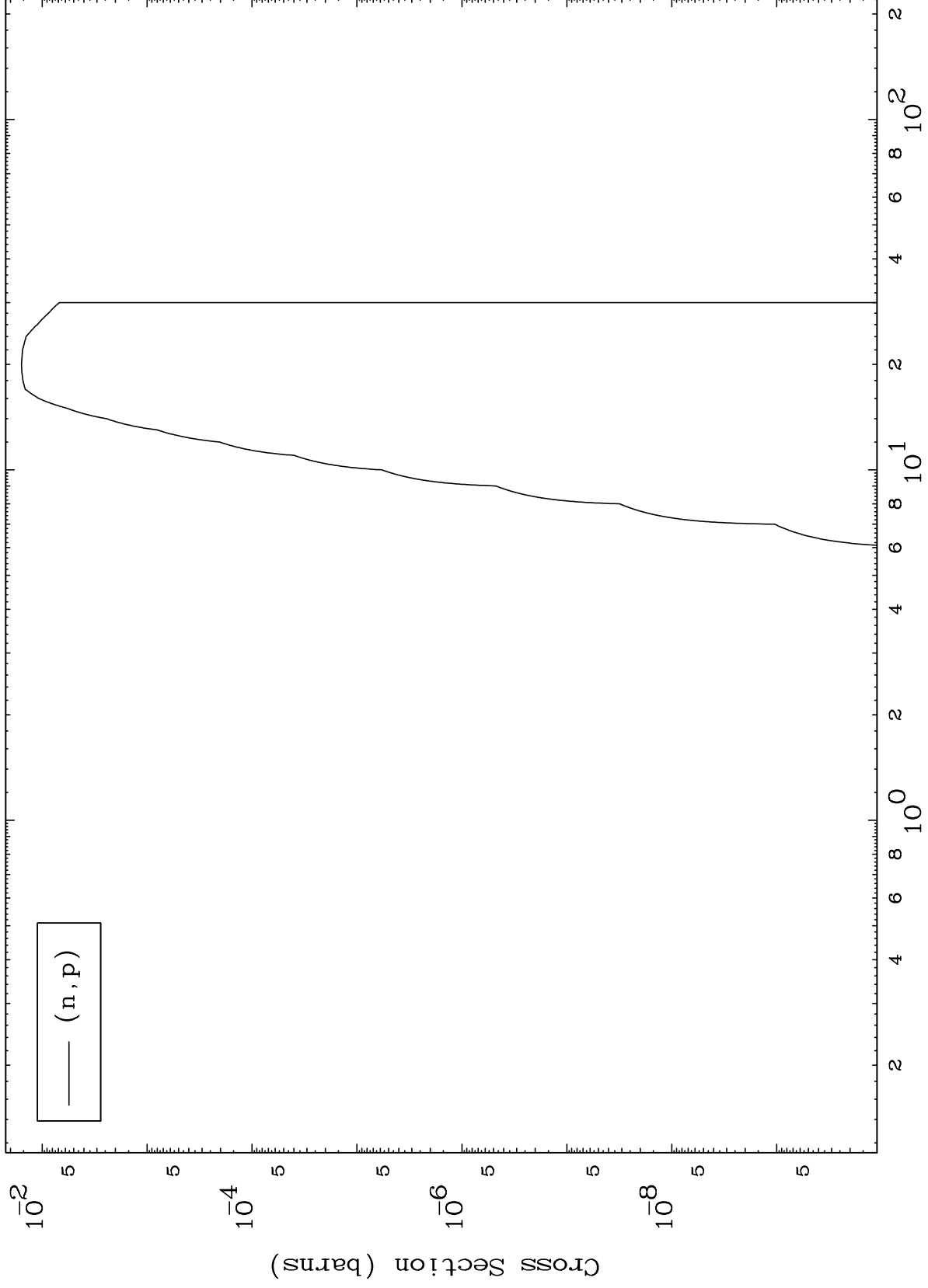
54-Xe-123



MAT 5422

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

54-Xe-123



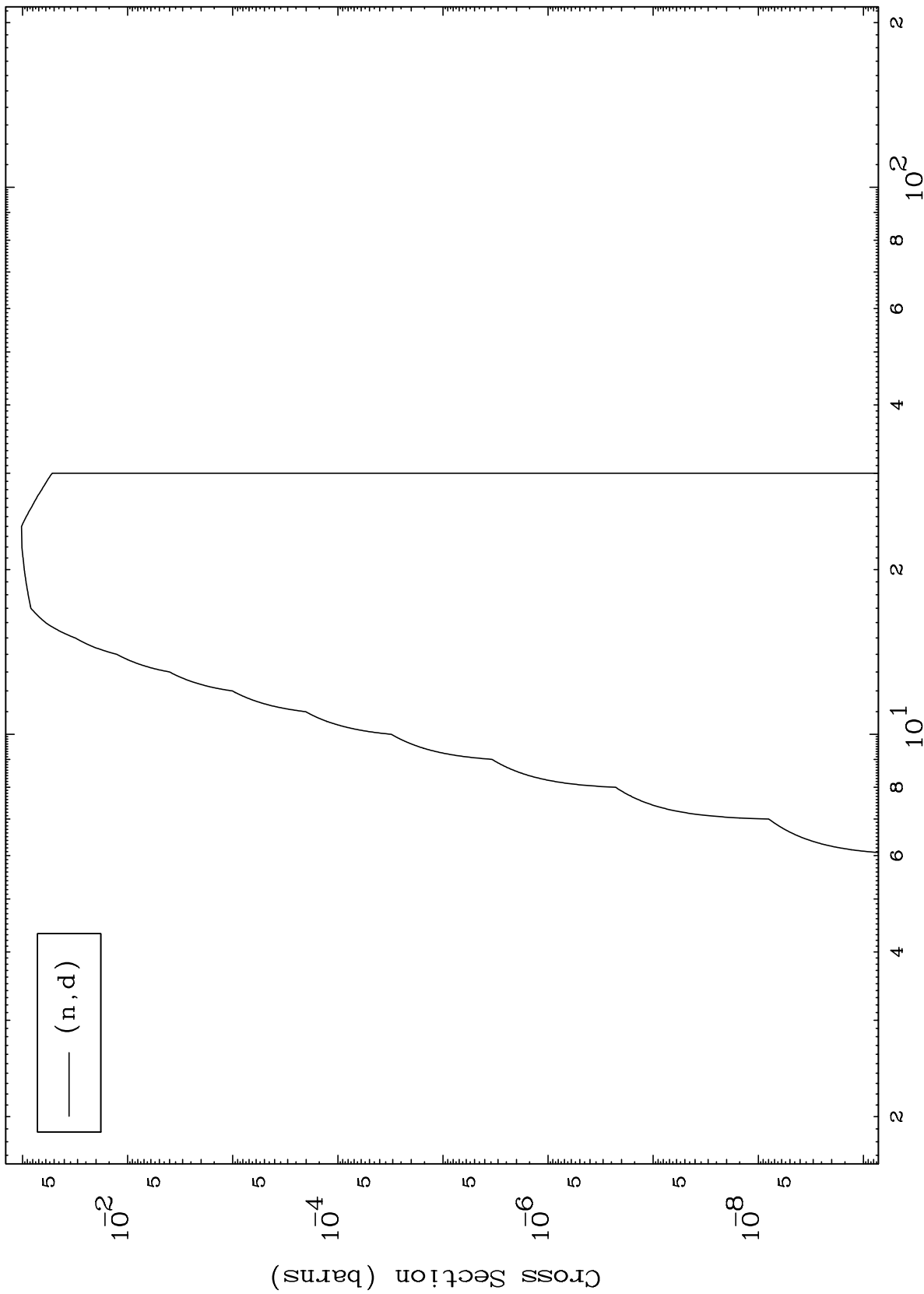


MAT 5422

(He-3,d) Levels

54-Xe-123

0 Kelvin Cross Sections



(n, d)

8

Incident Energy (MeV)

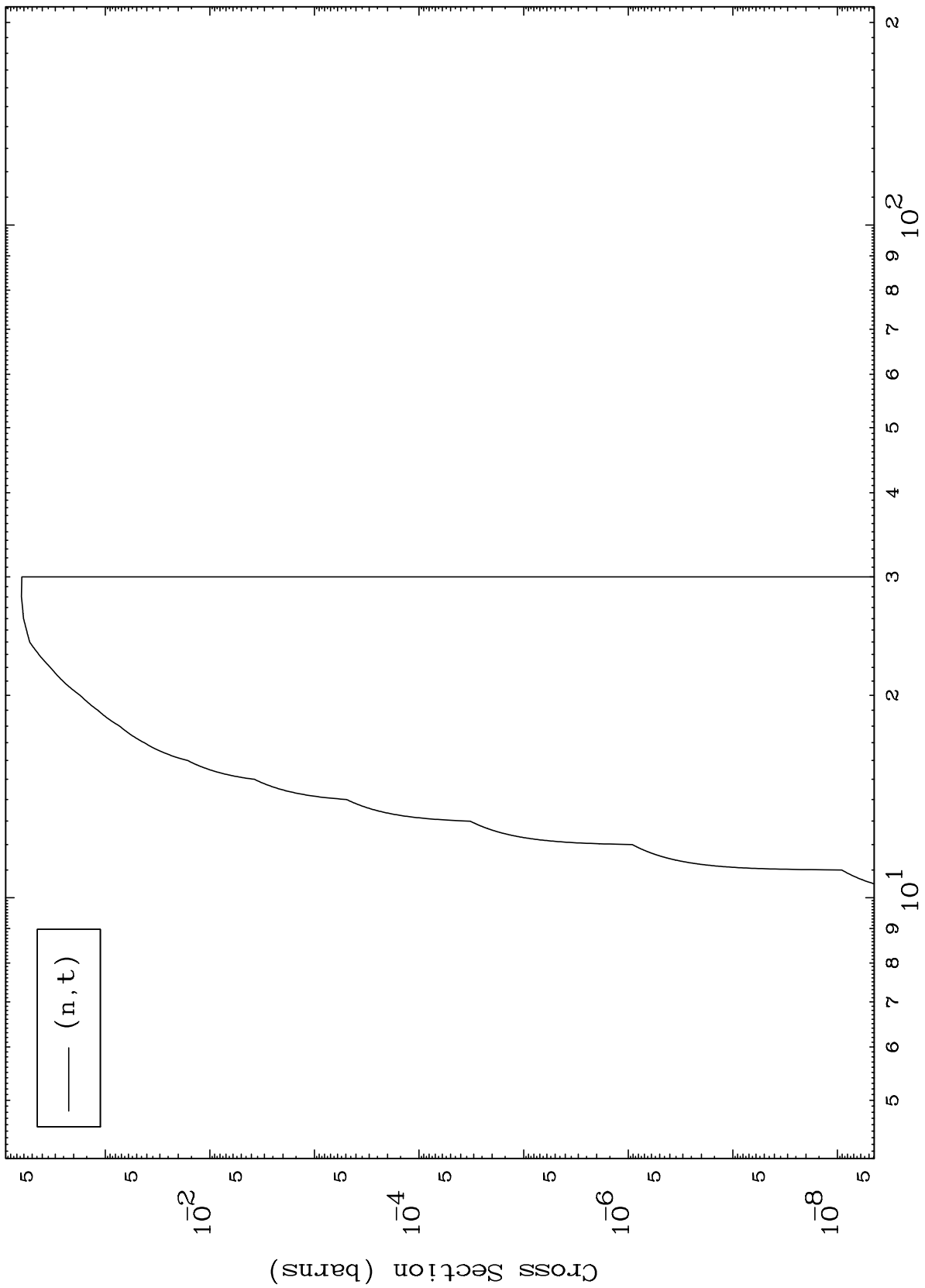
54-Xe-123

MAT 5422

(He-3,t) Levels

54-Xe-123

0 Kelvin Cross Sections



9

Incident Energy (MeV)

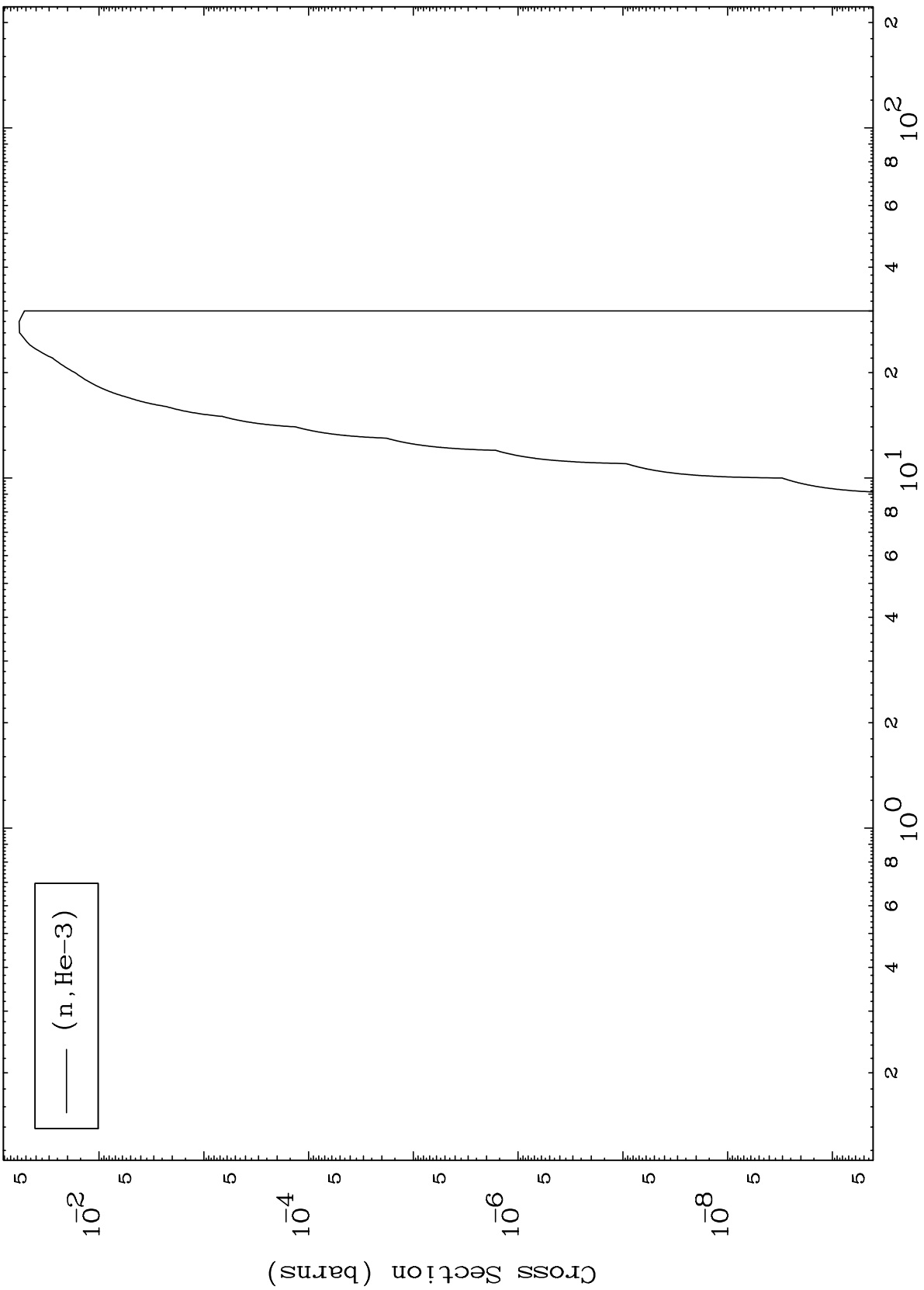
54-Xe-123

MAT 5422

(He-3, He3) Levels

54-Xe-123

0 Kelvin Cross Sections



10

Incident Energy (MeV)

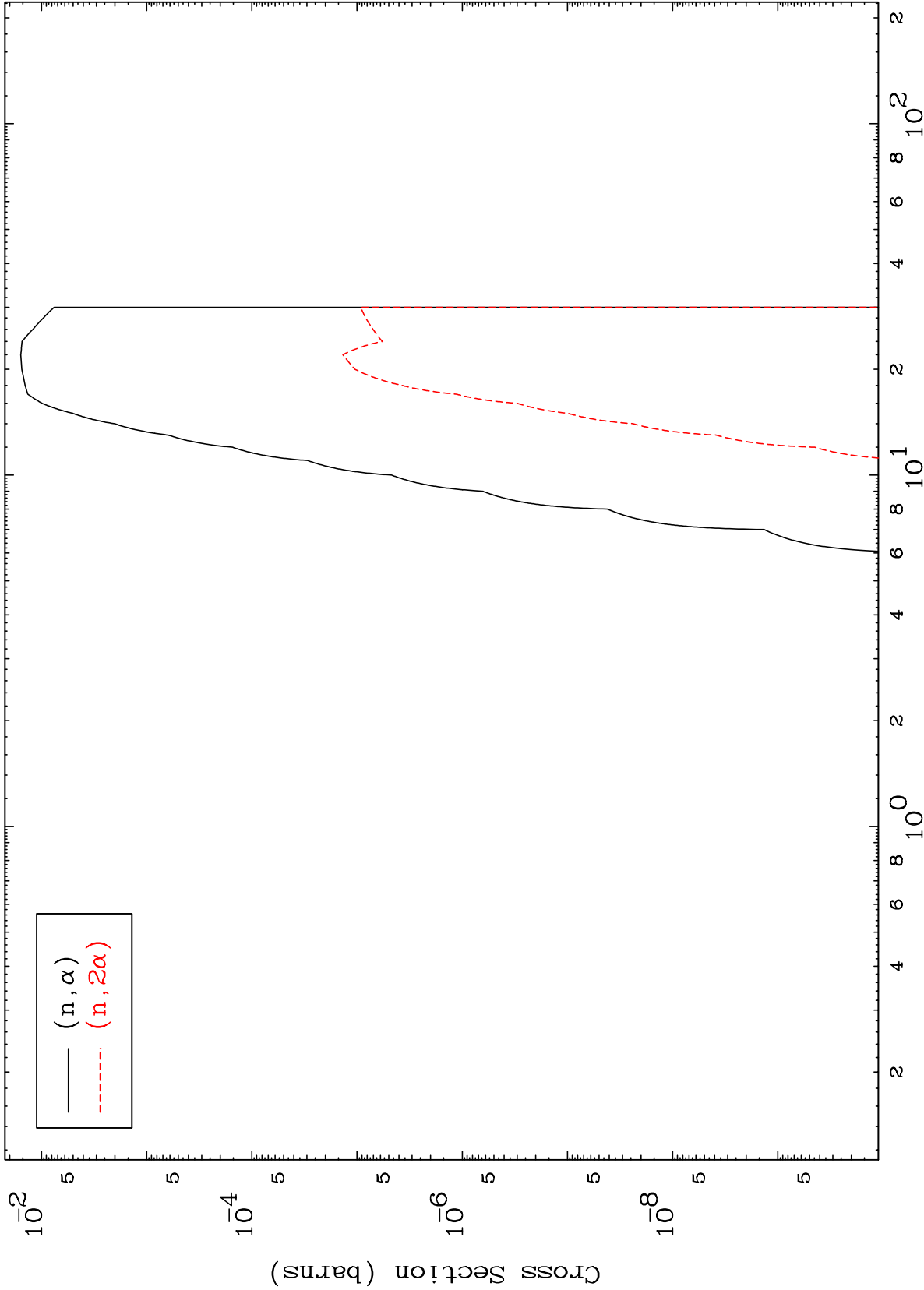
54-Xe-123

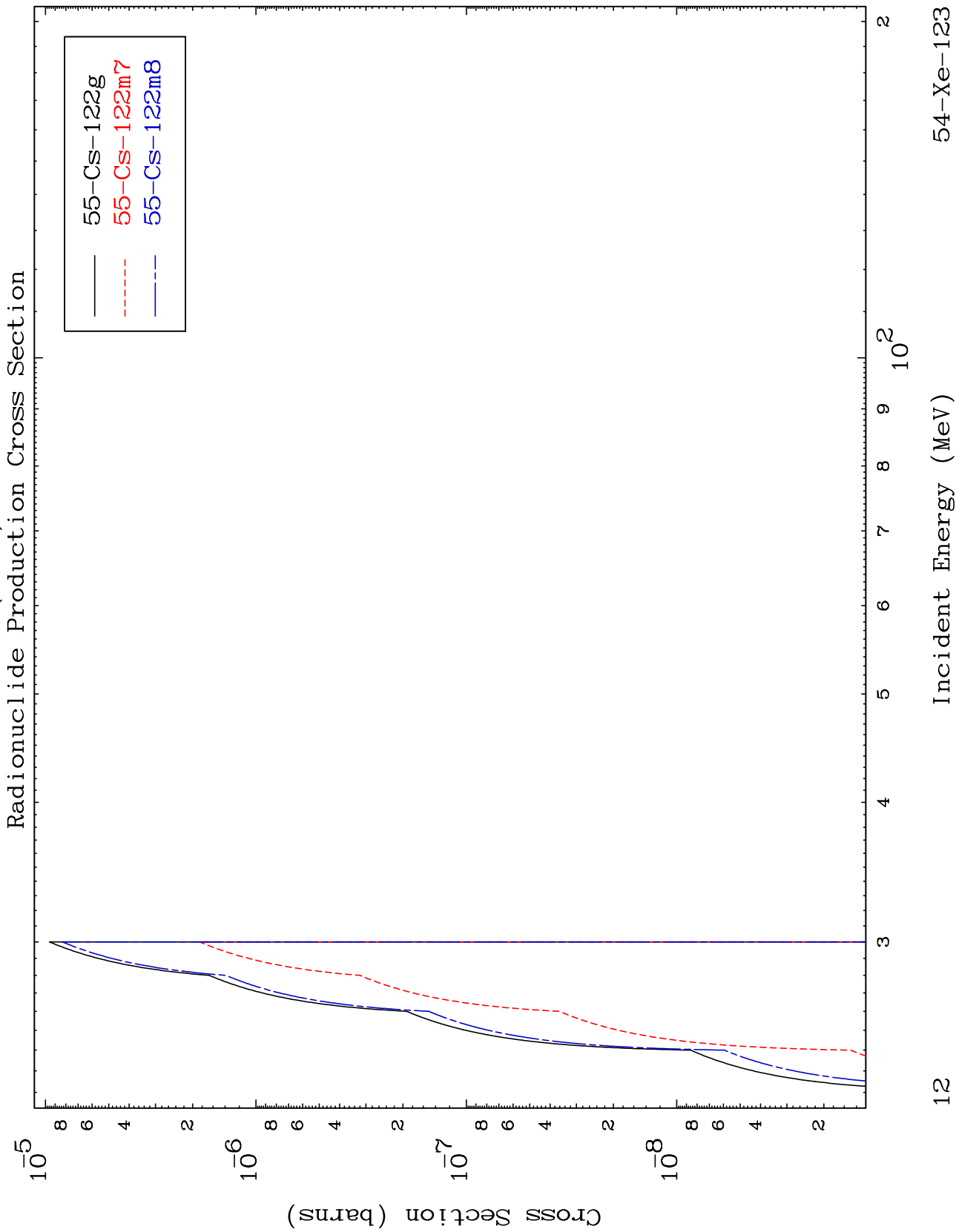
MAT 5422

(He-3,  $\alpha$ ) Levels

54-Xe-123

0 Kelvin Cross Sections



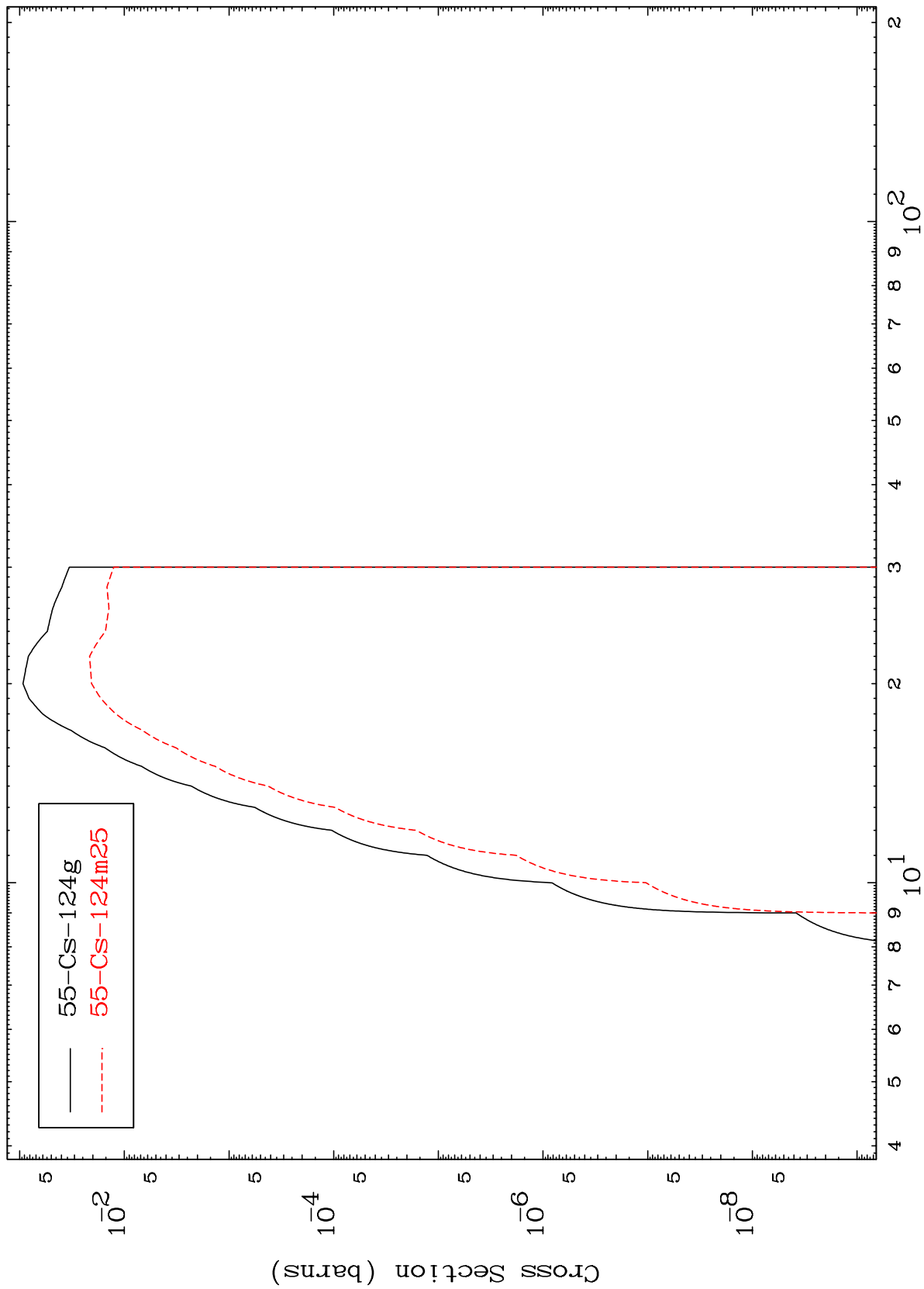


MAT 5422

(n,n') p

54-Xe-123

Radionuclide Production Cross Section



Incident Energy (MeV)

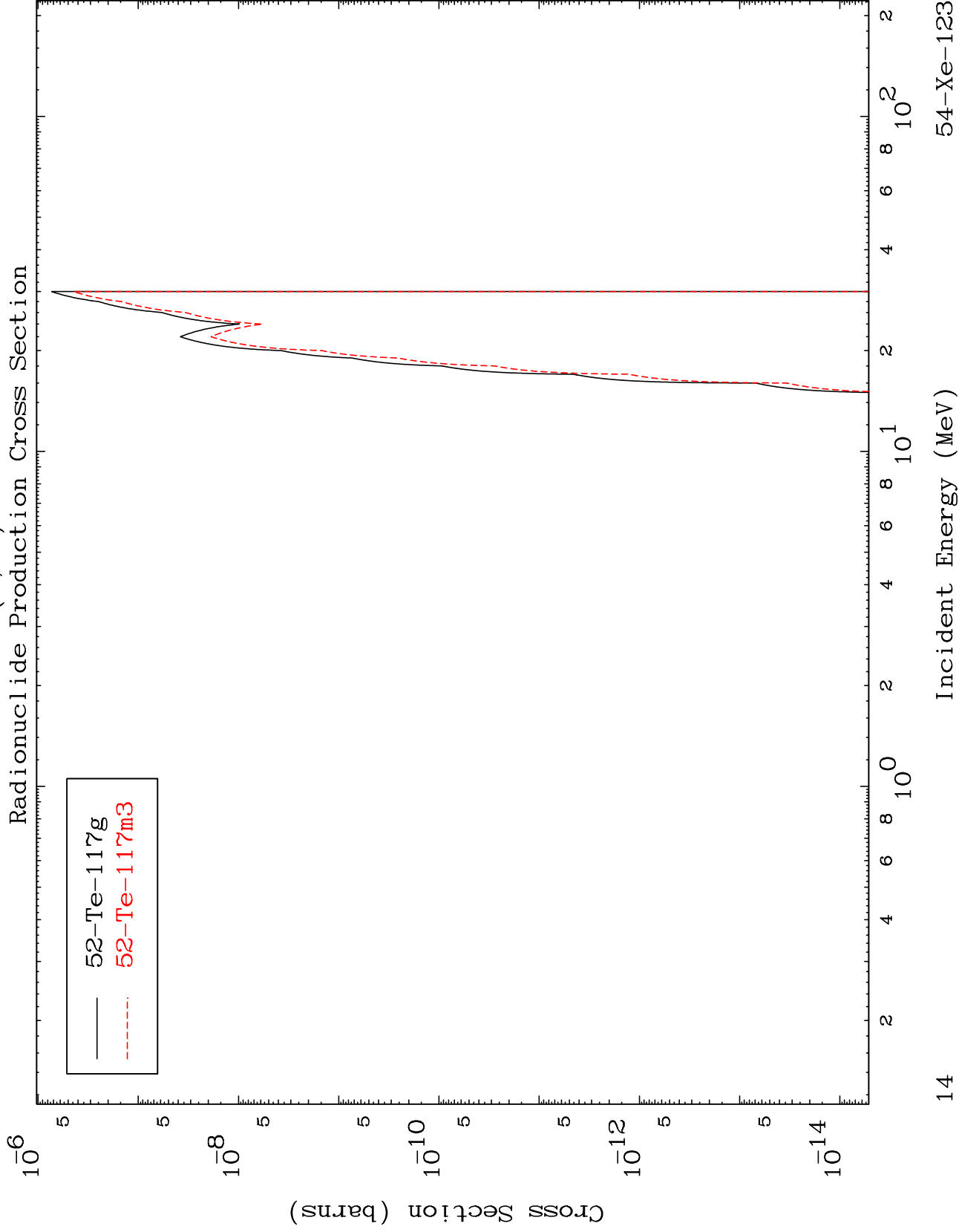
54-Xe-123

13

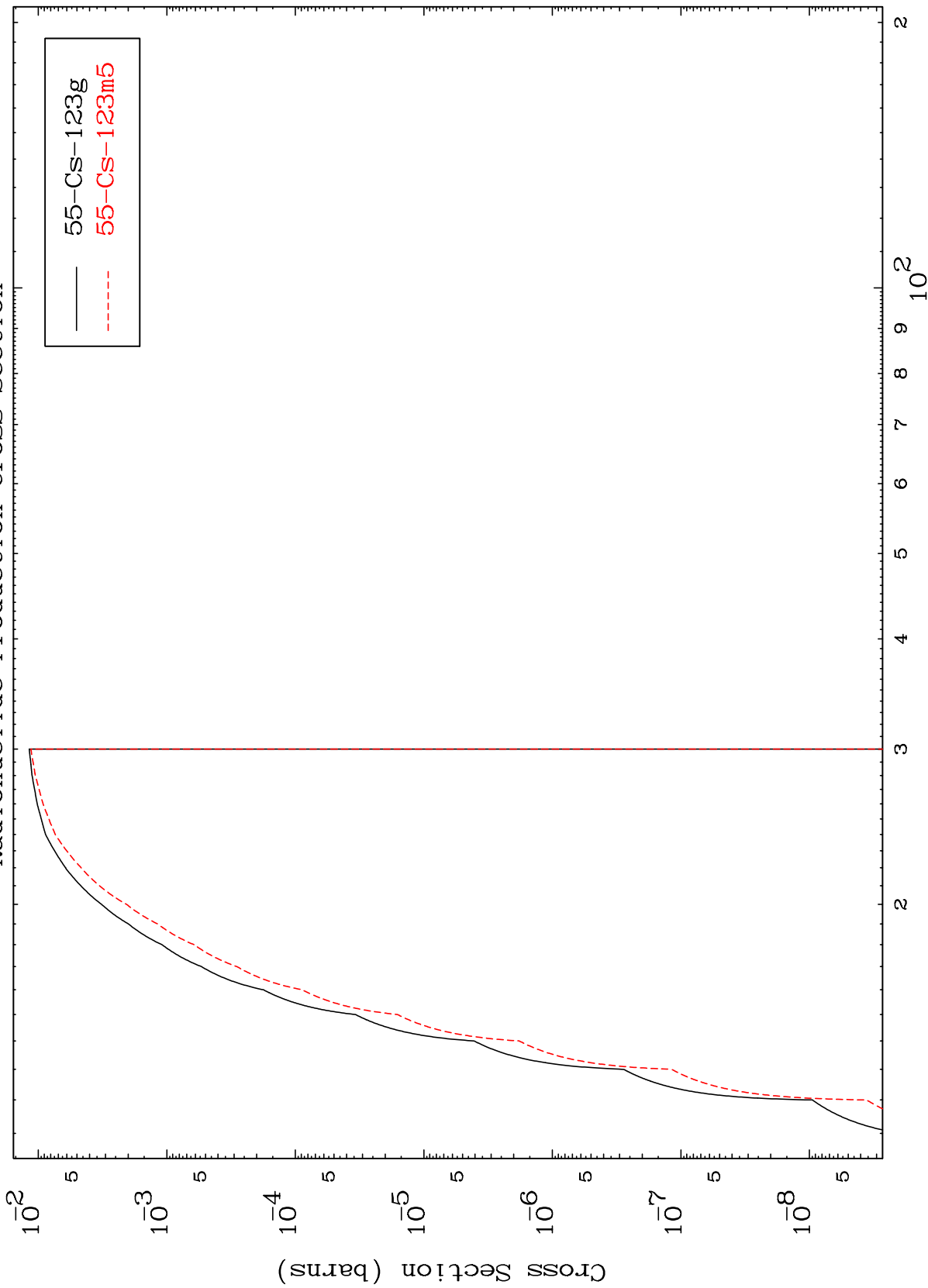
MAT 5422

(n,n') 2α

54-Xe-123

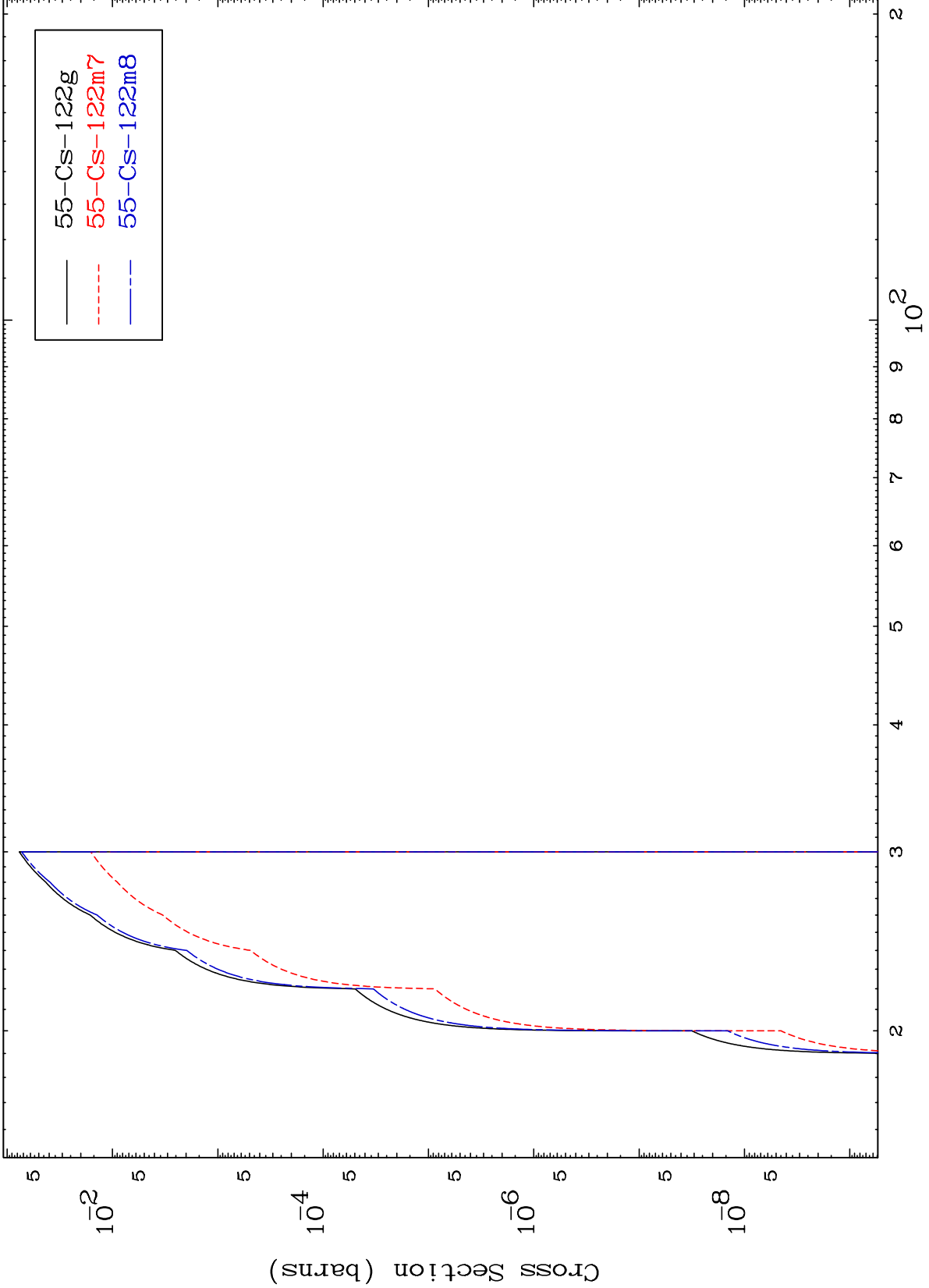


Radionuclide Production Cross Section

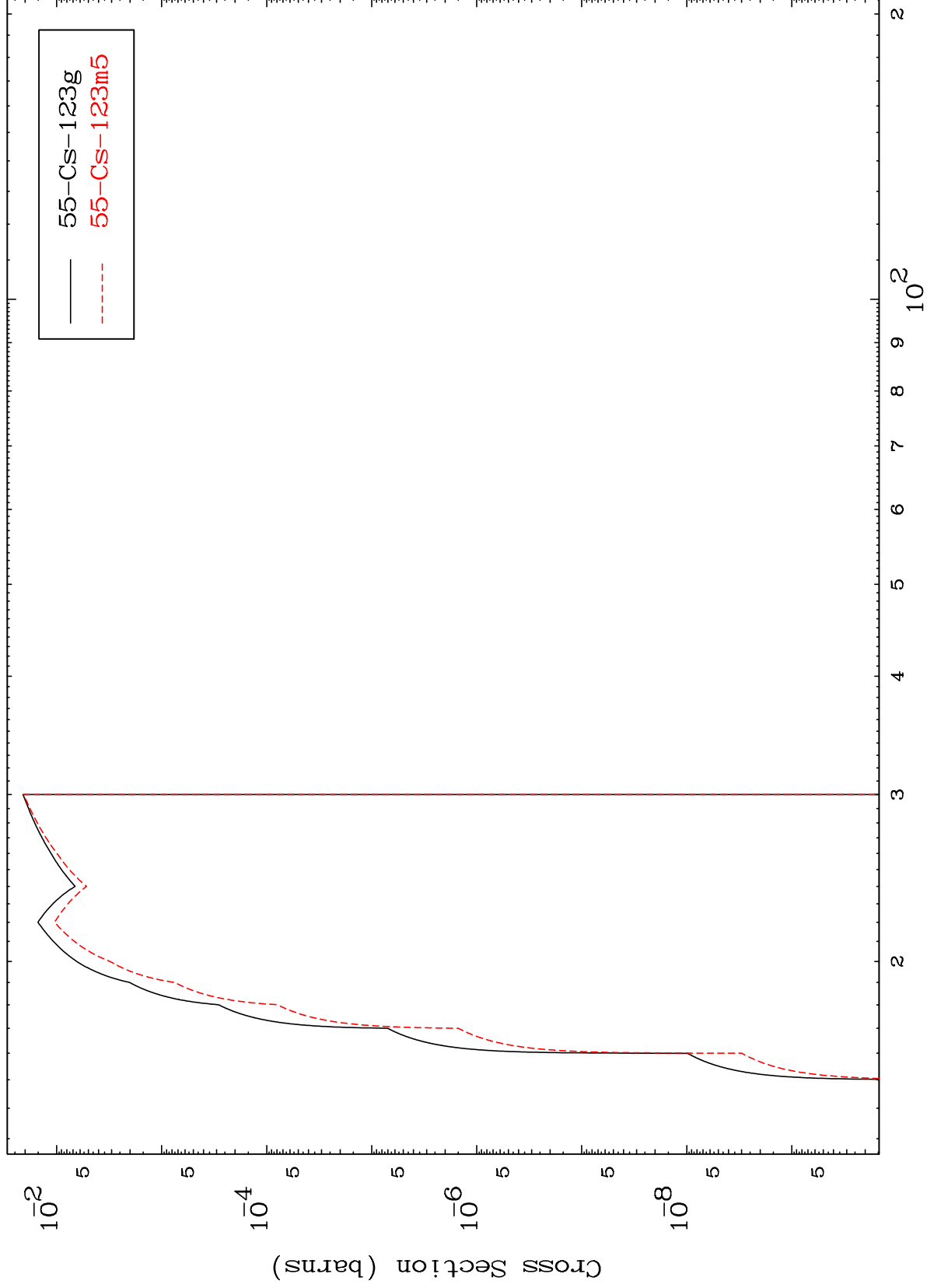




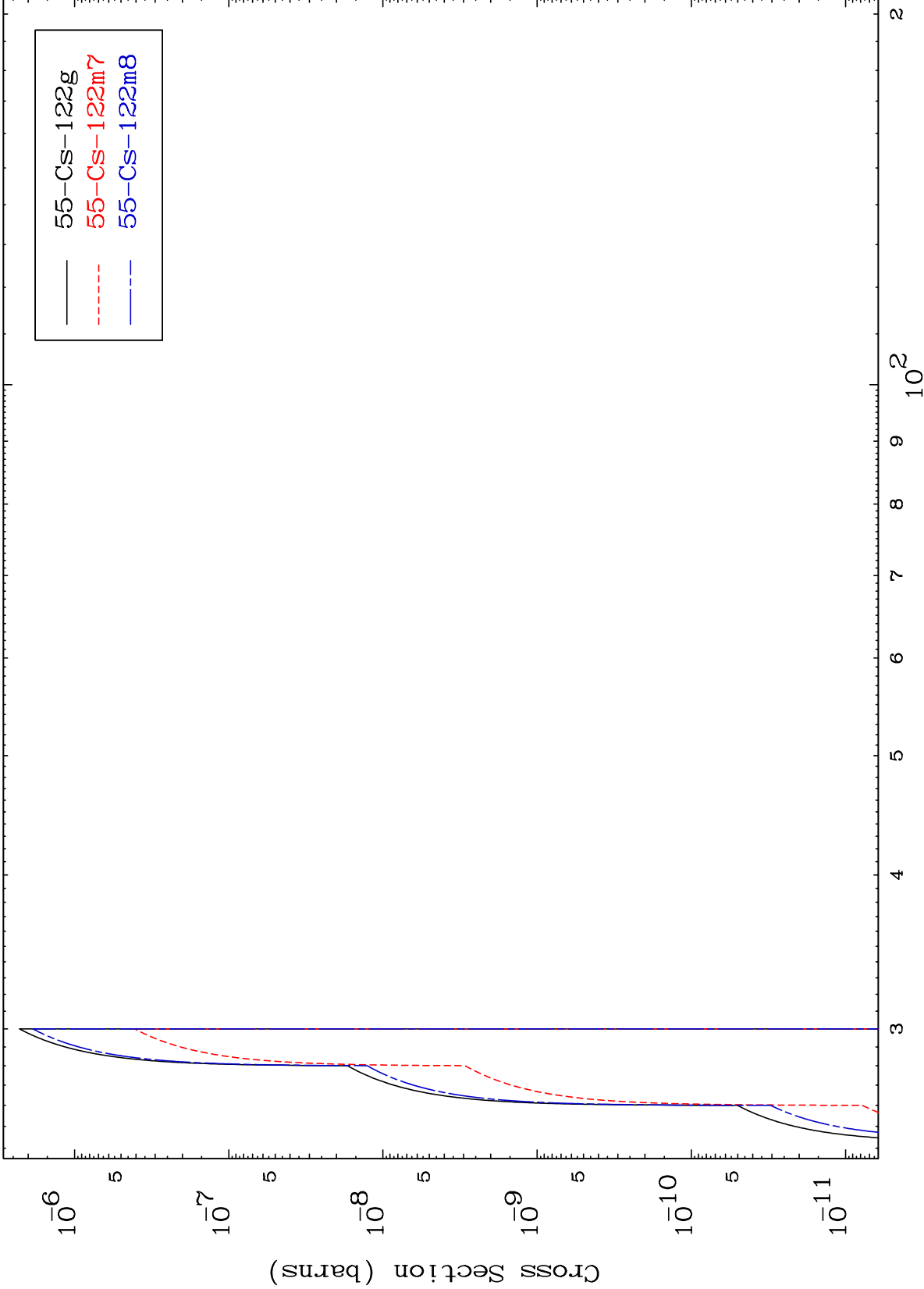
Radionuclide Production Cross Section



Radionuclide Production Cross Section



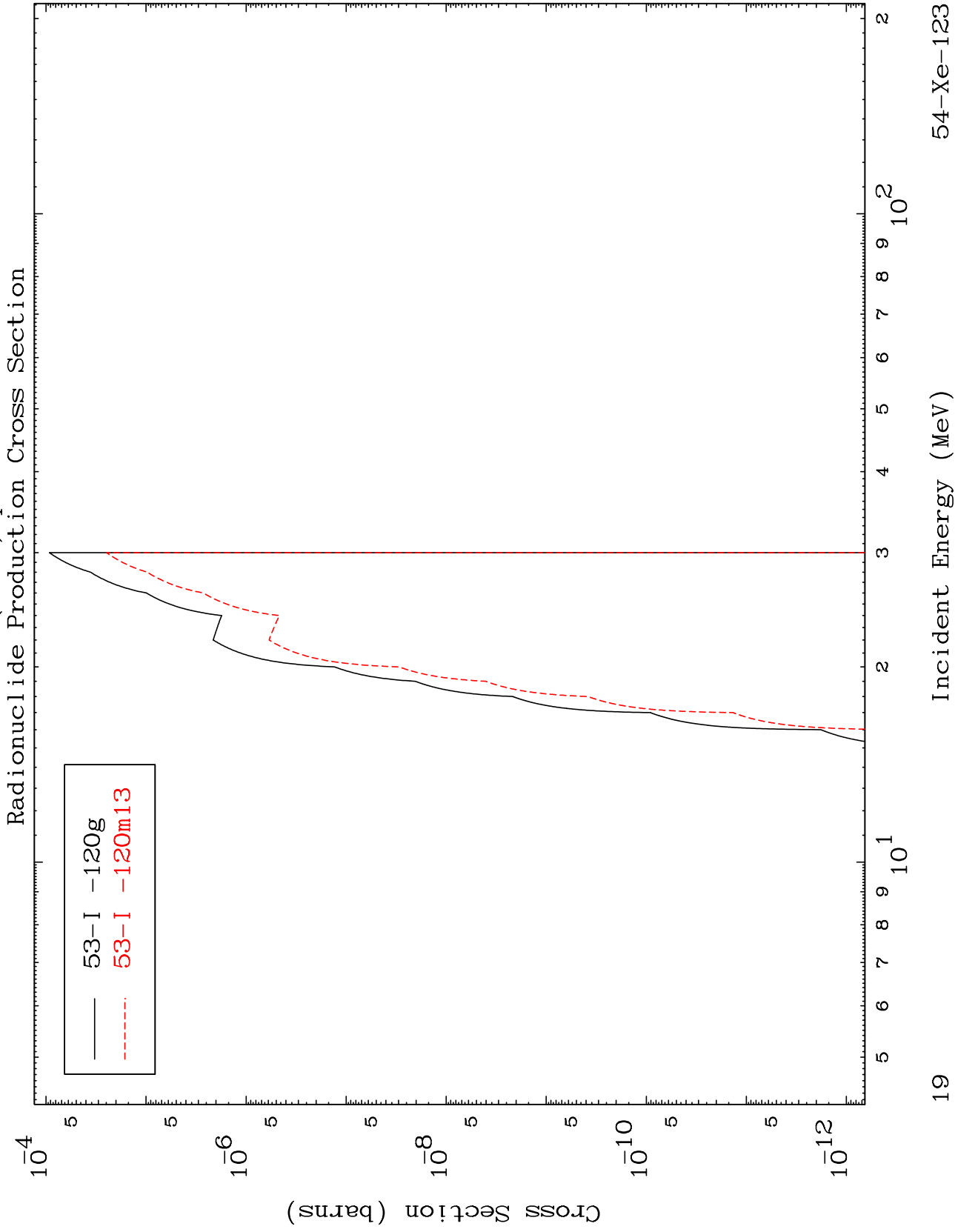
Radionuclide Production Cross Section



MAT 5422

(n,n') p  $\alpha$

54-Xe-123



19

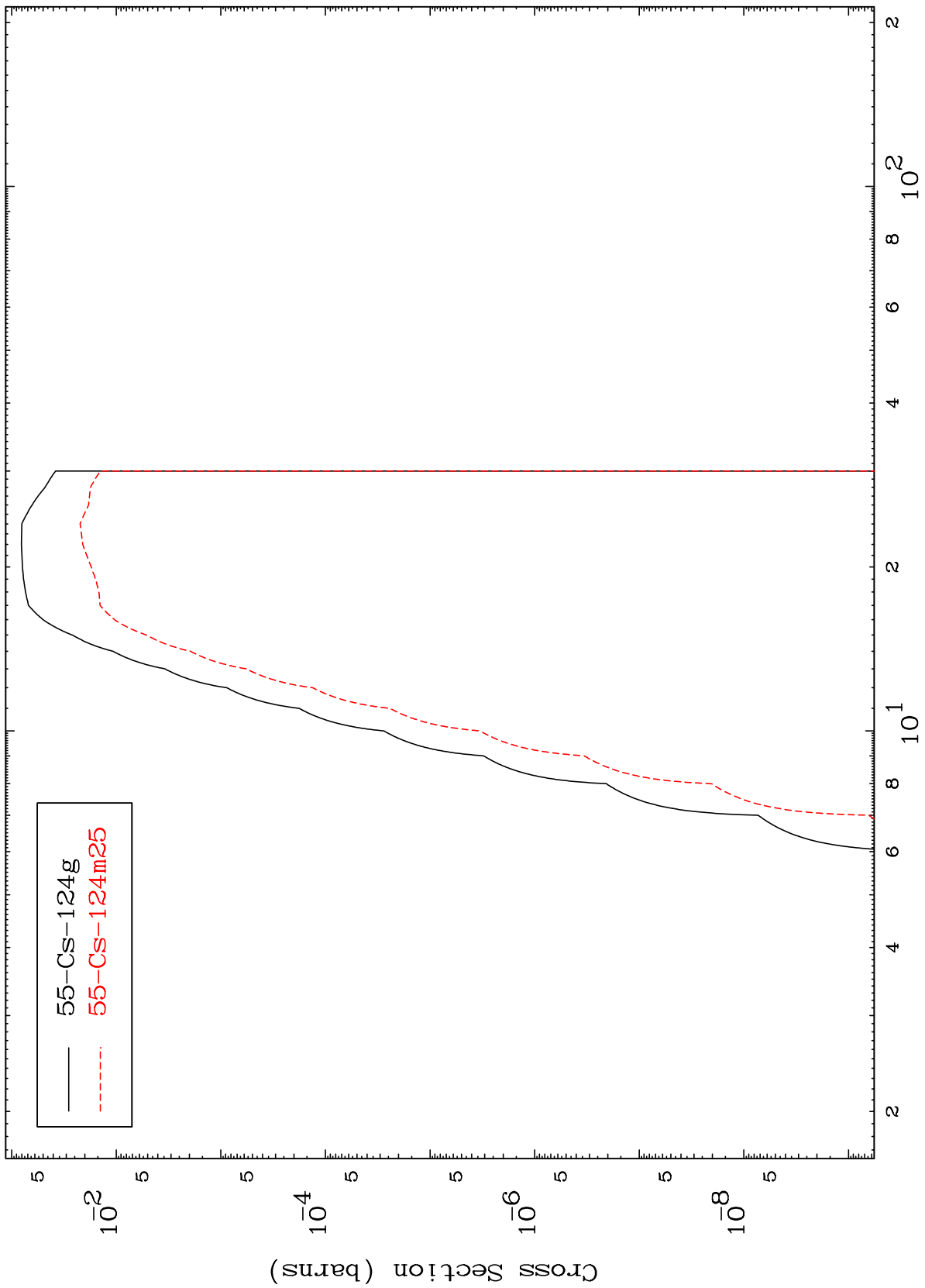
Incident Energy (MeV)

54-Xe-123

MAT 5422

54-Xe-123

(n,d)  
Radionuclide Production Cross Section



20

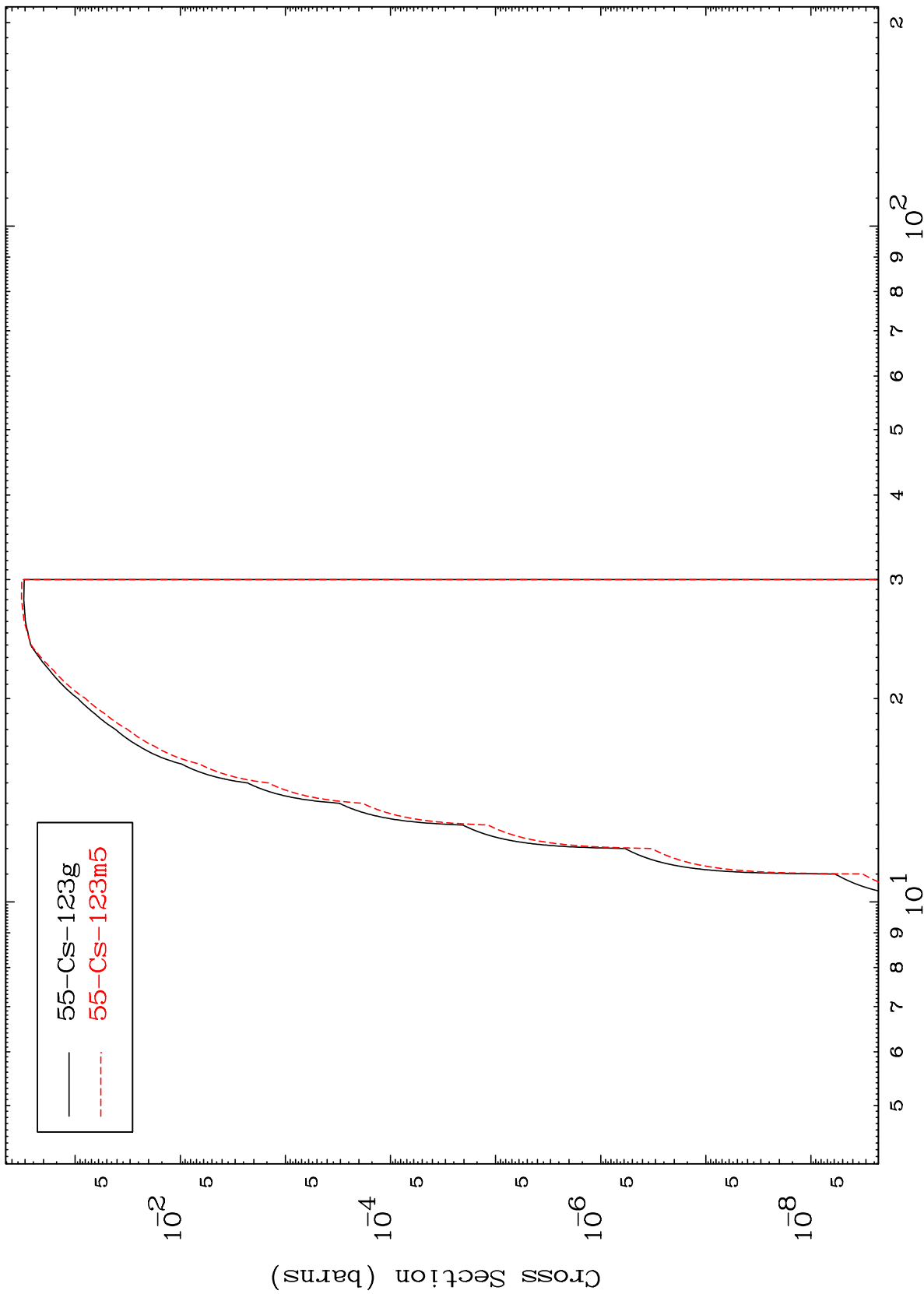
Incident Energy (MeV)

54-Xe-123

MAT 5422

54-Xe-123

Radionuclide Production Cross Section (n, t)



54-Xe-123

Incident Energy (MeV)

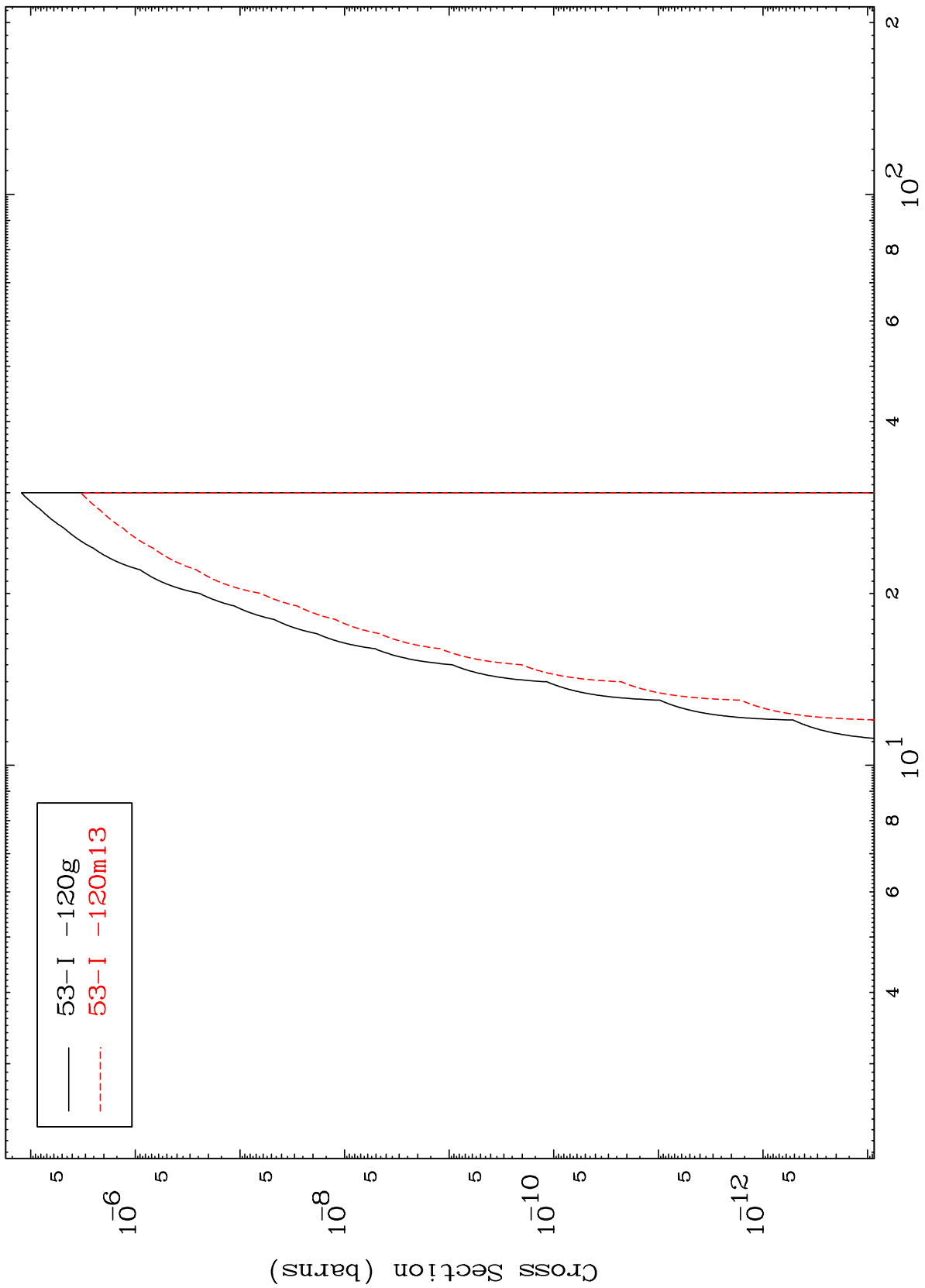
21

MAT 5422

(n,d)  $\alpha$

54-Xe-123

Radionuclide Production Cross Section



53-I -120g  
53-I -120m13