

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

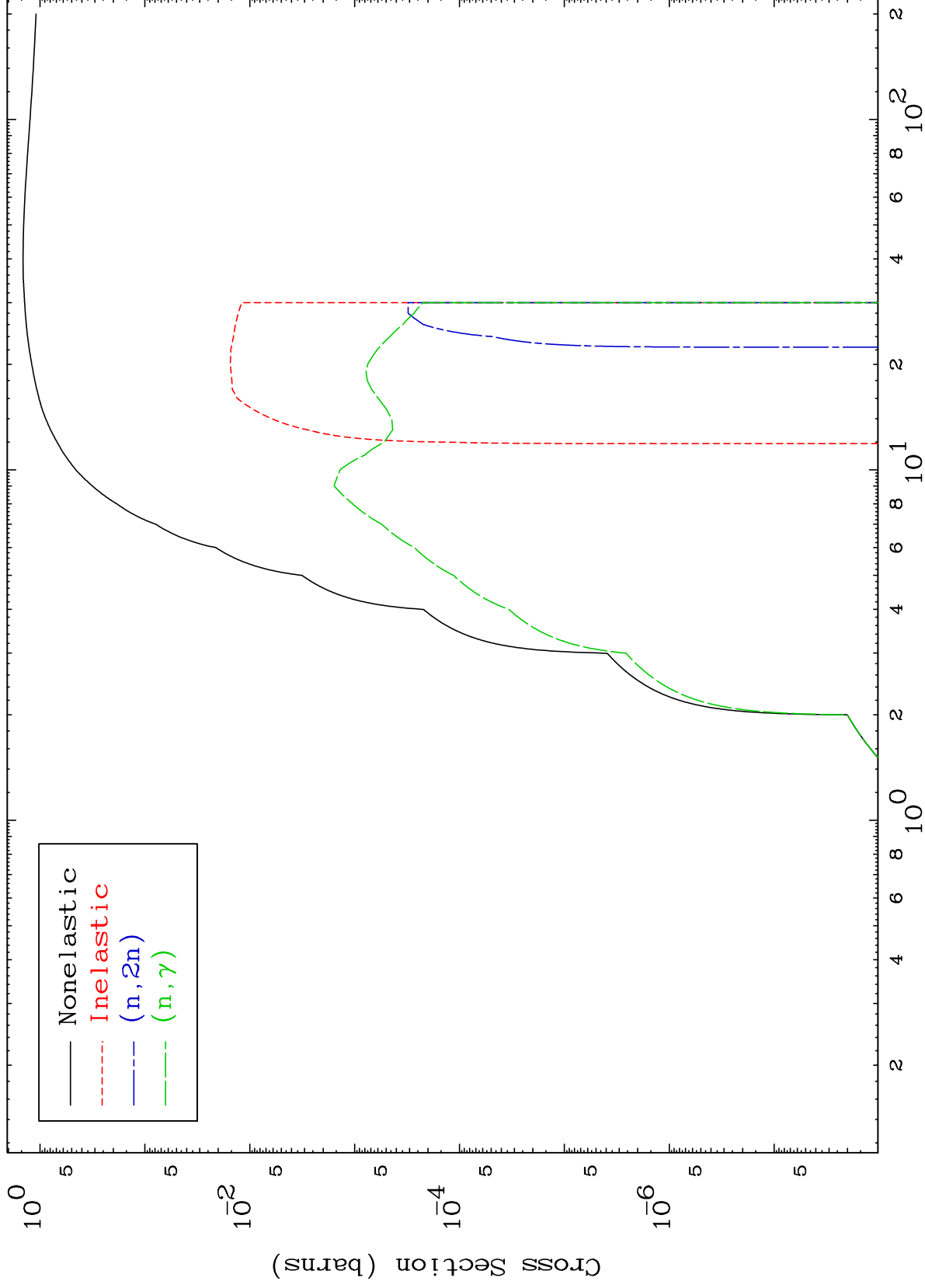
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5401

Proton Major  
0 Kelvin Cross Sections

54-Xe-116



1

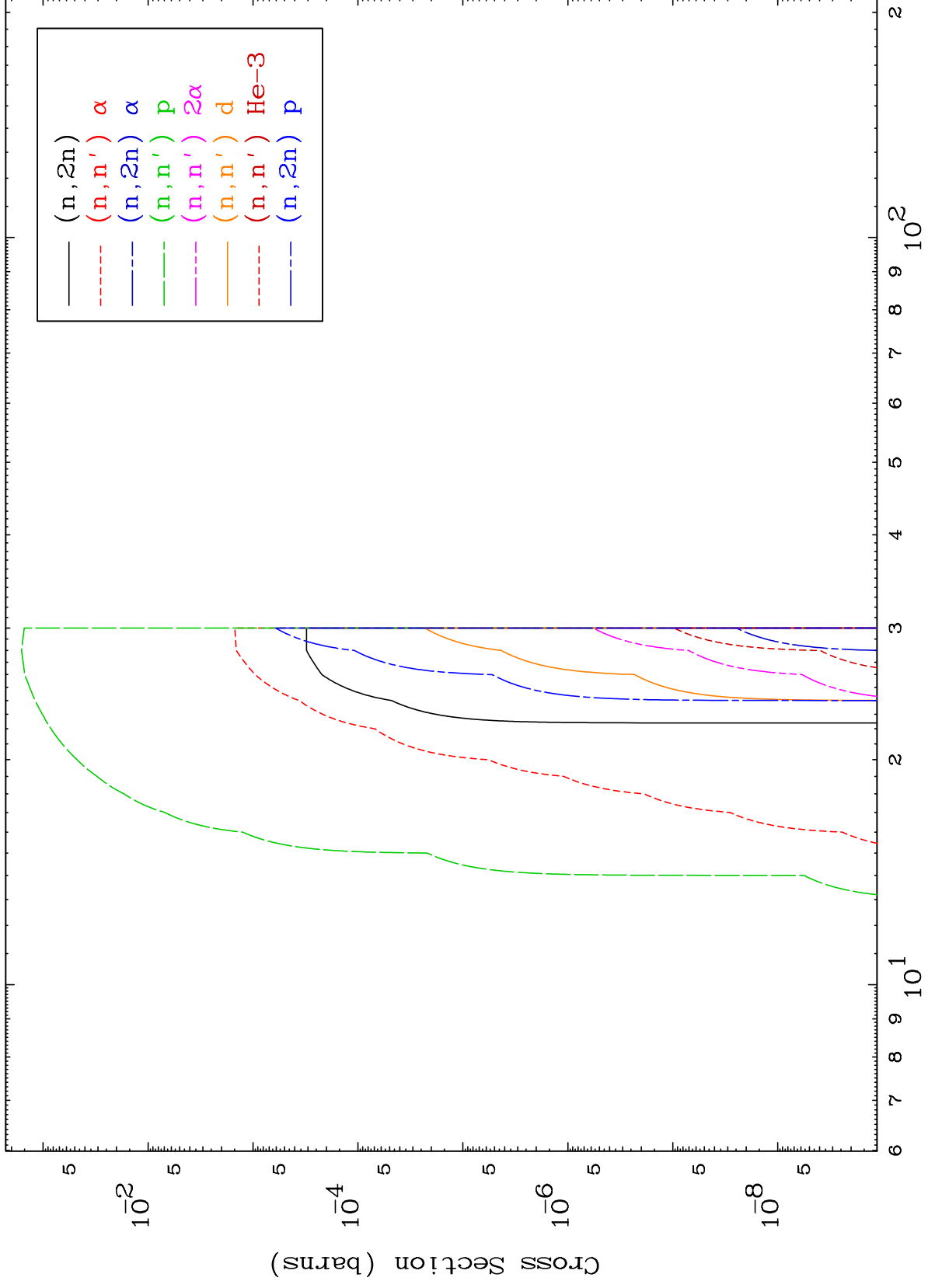
Incident Energy (MeV)

54-Xe-116

MAT 5401

Proton Neutron Absorption  
0 Kelvin Cross Sections

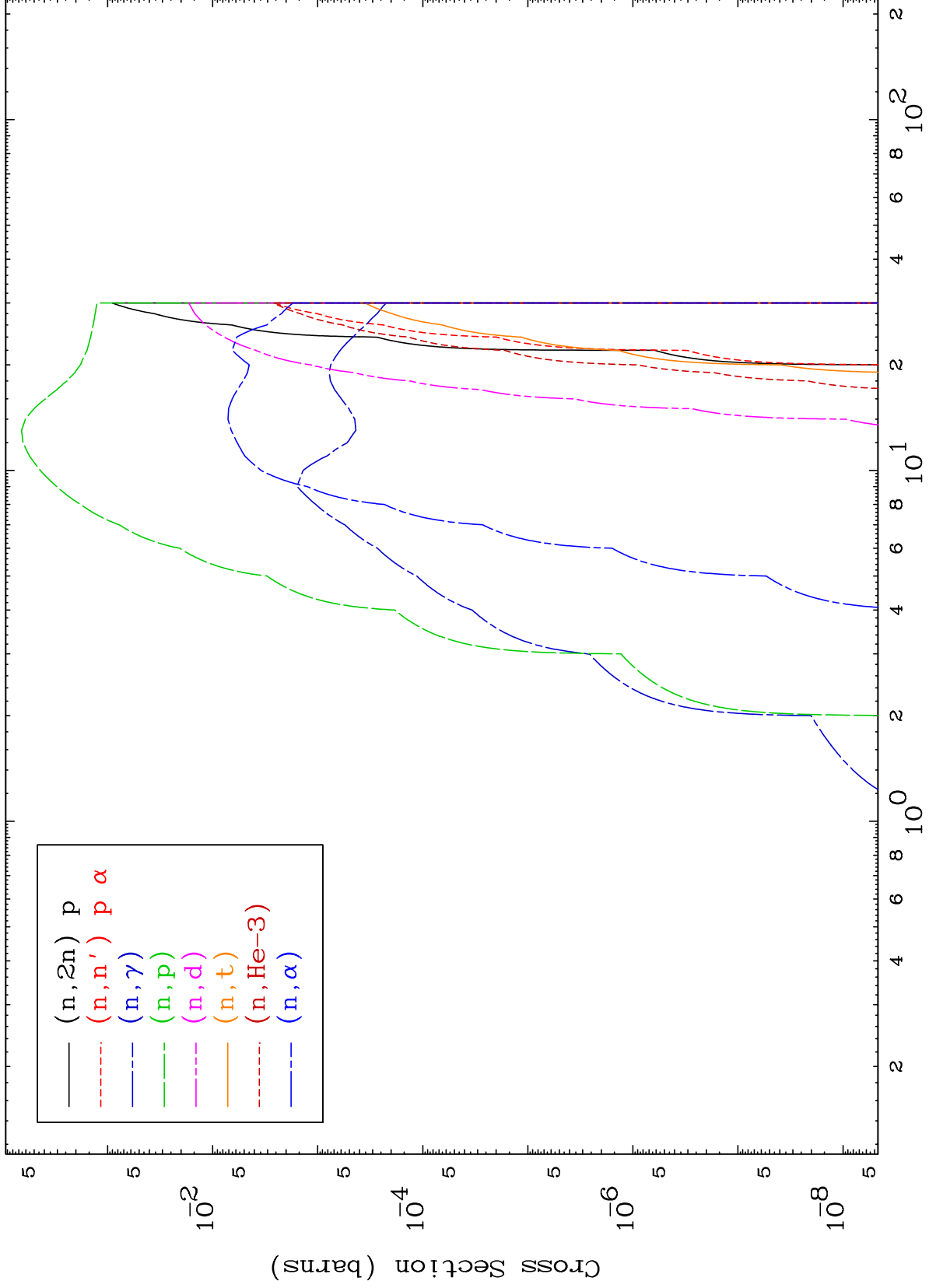
54-Xe-116



2

Incident Energy (MeV)

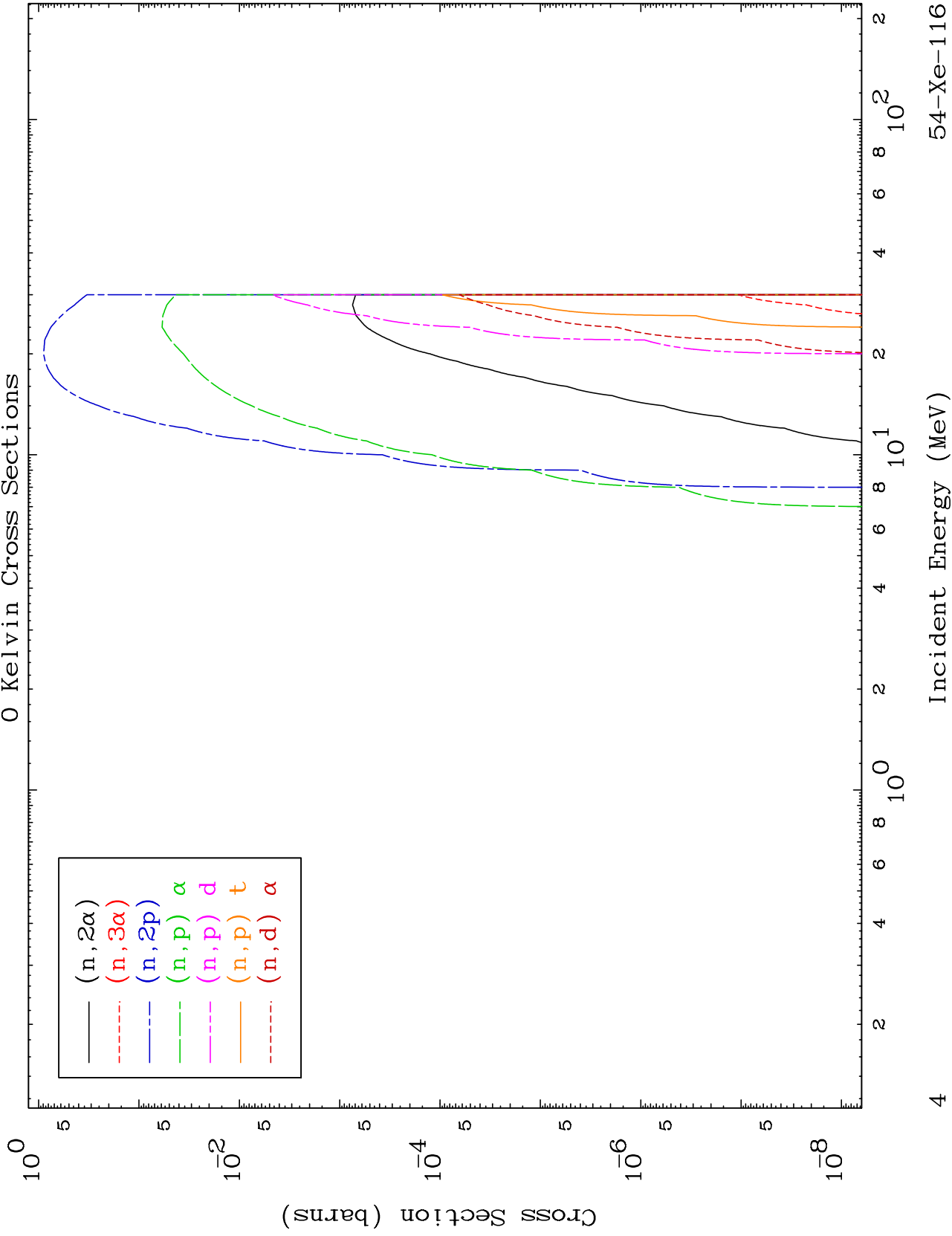
54-Xe-116



MAT 5401

Proton Neutron Absorption  
0 Kelvin Cross Sections

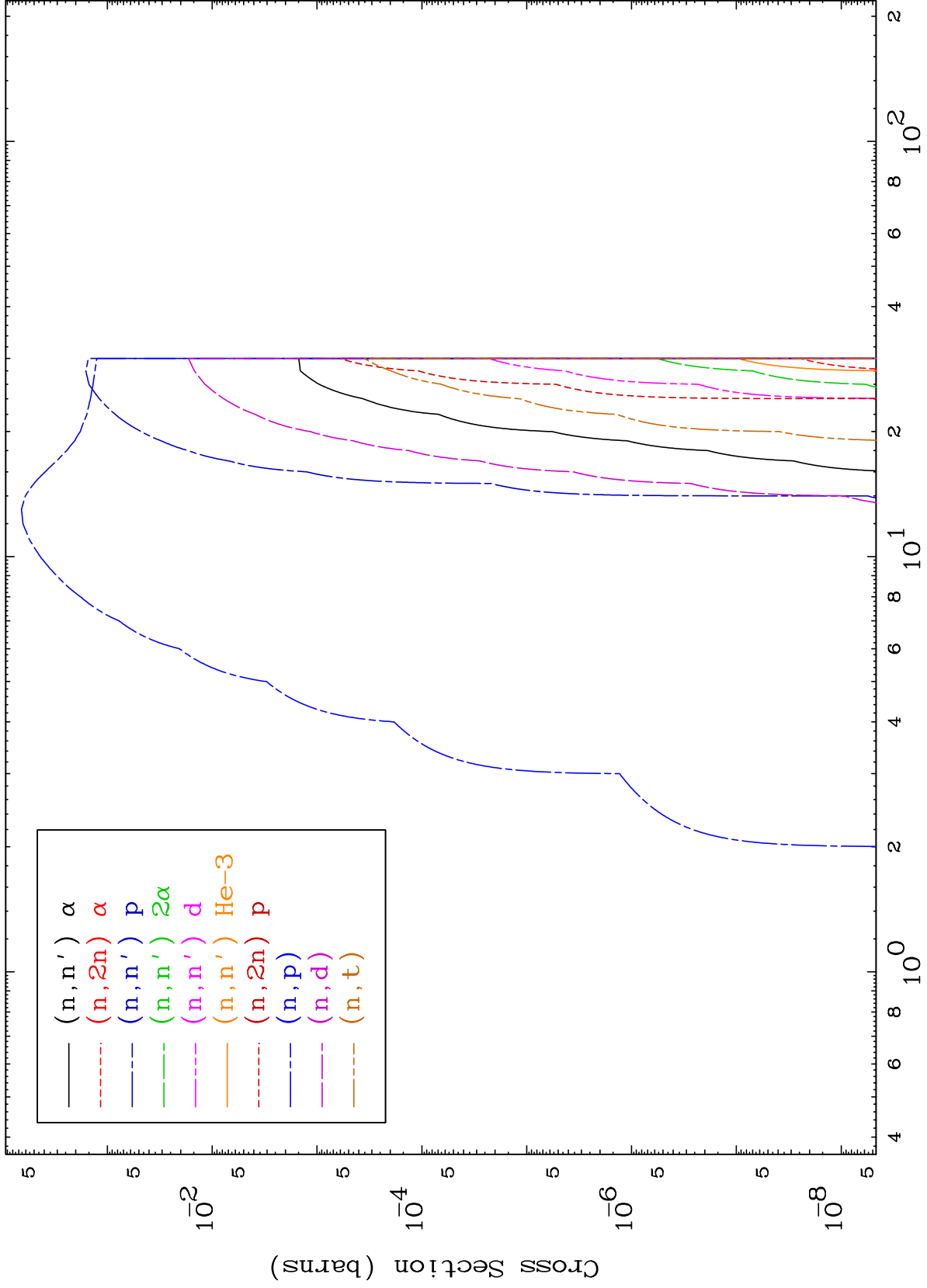
54-Xe-116



MAT 5401

Proton Charged Particle  
0 Kelvin Cross Sections

54-Xe-116



5

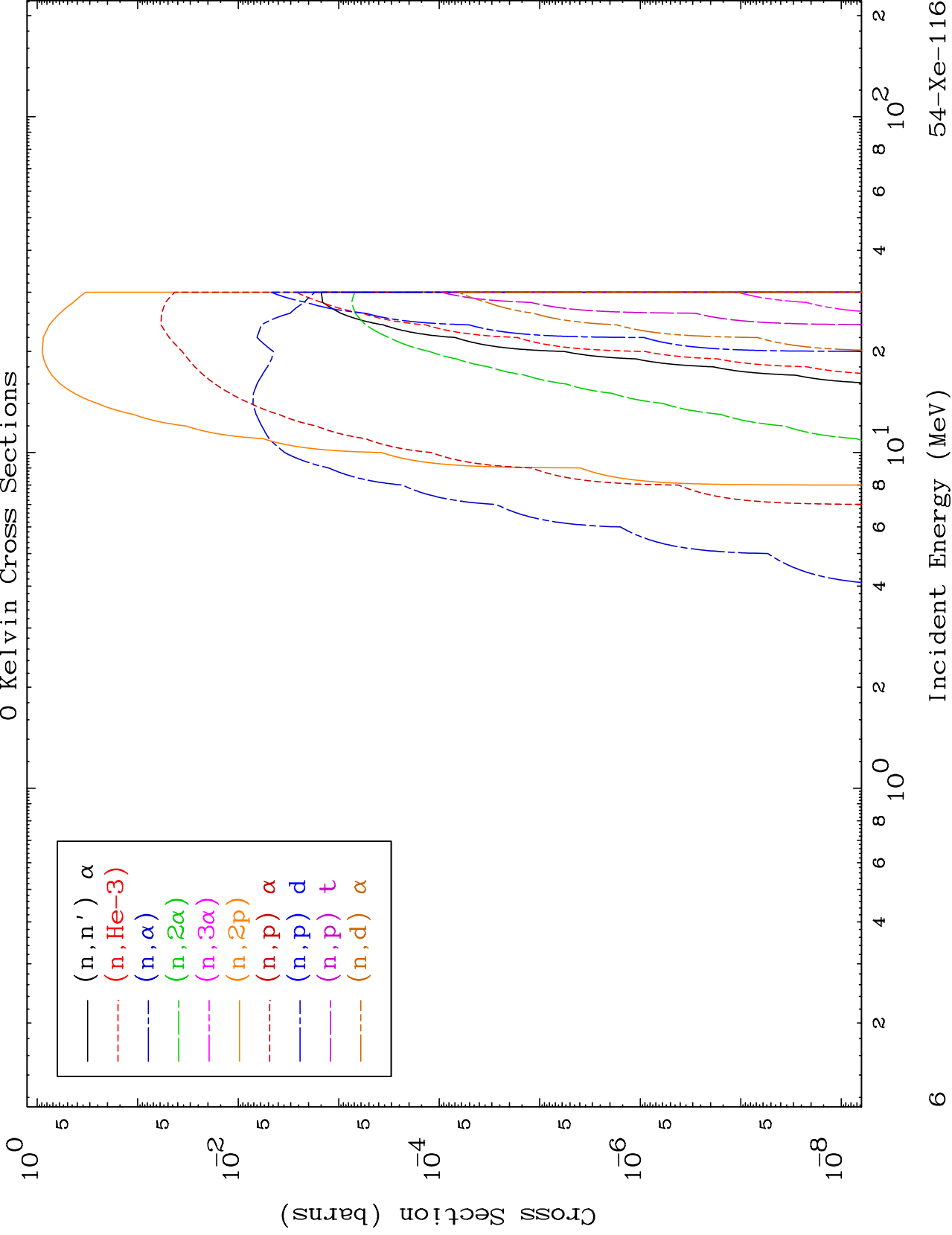
Incident Energy (MeV)

54-Xe-116

MAT 5401

Proton Charged Particle  
0 Kelvin Cross Sections

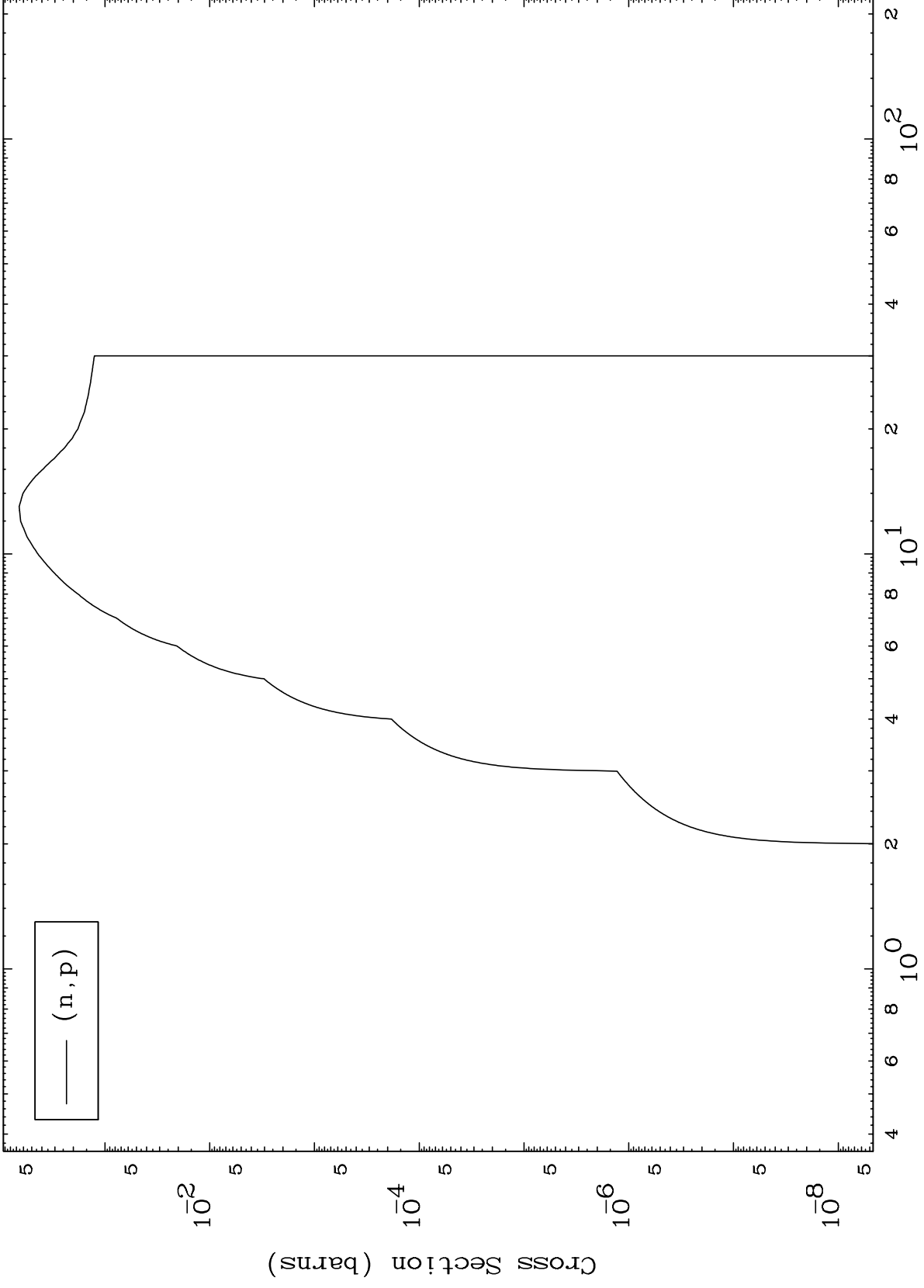
54-Xe-116



MAT 5401

54-Xe-116

(p,p) Levels  
0 Kelvin Cross Sections



7

Incident Energy (MeV)

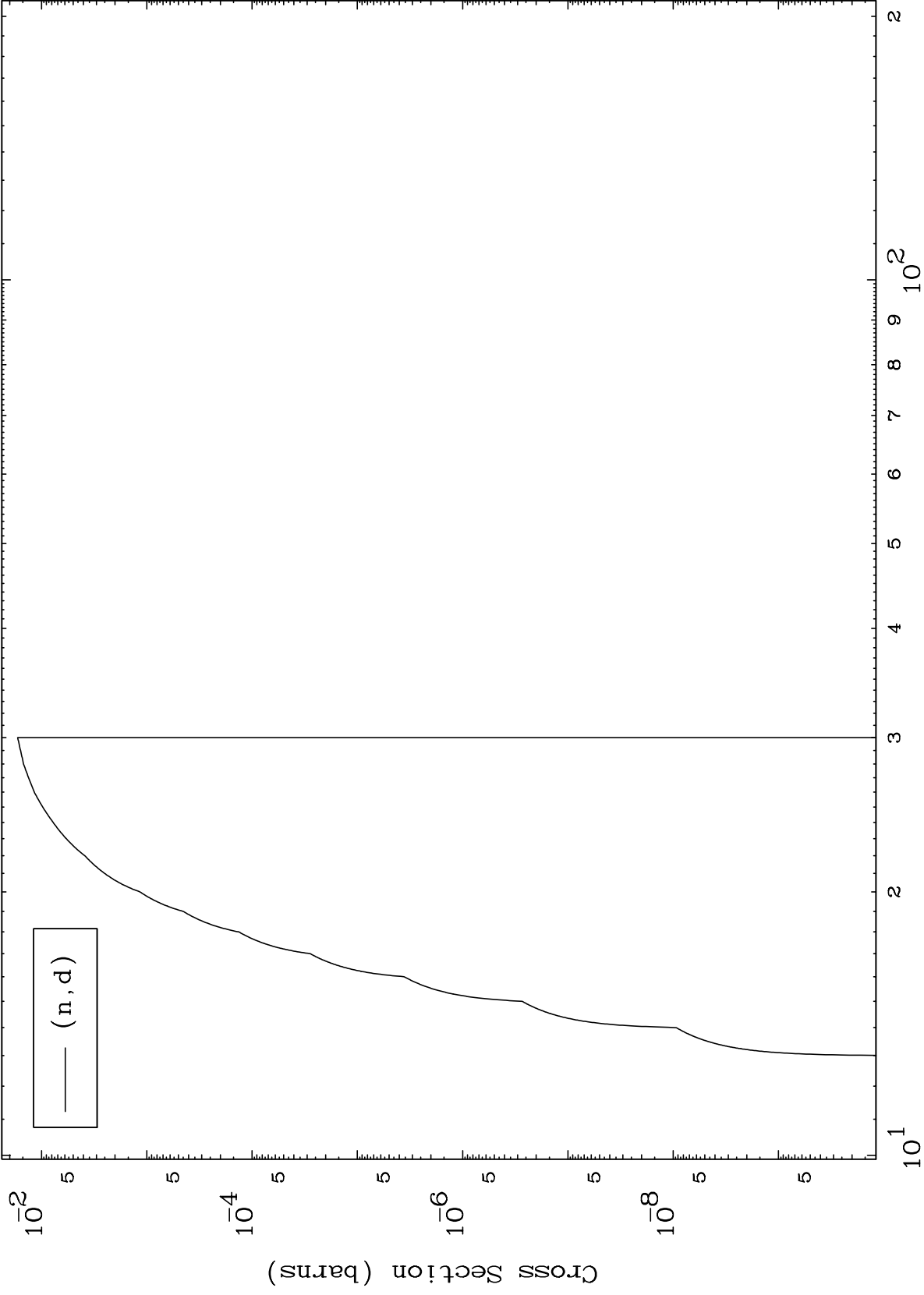
54-Xe-116



MAT 5401

(p,d) Levels  
0 Kelvin Cross Sections

54-Xe-116



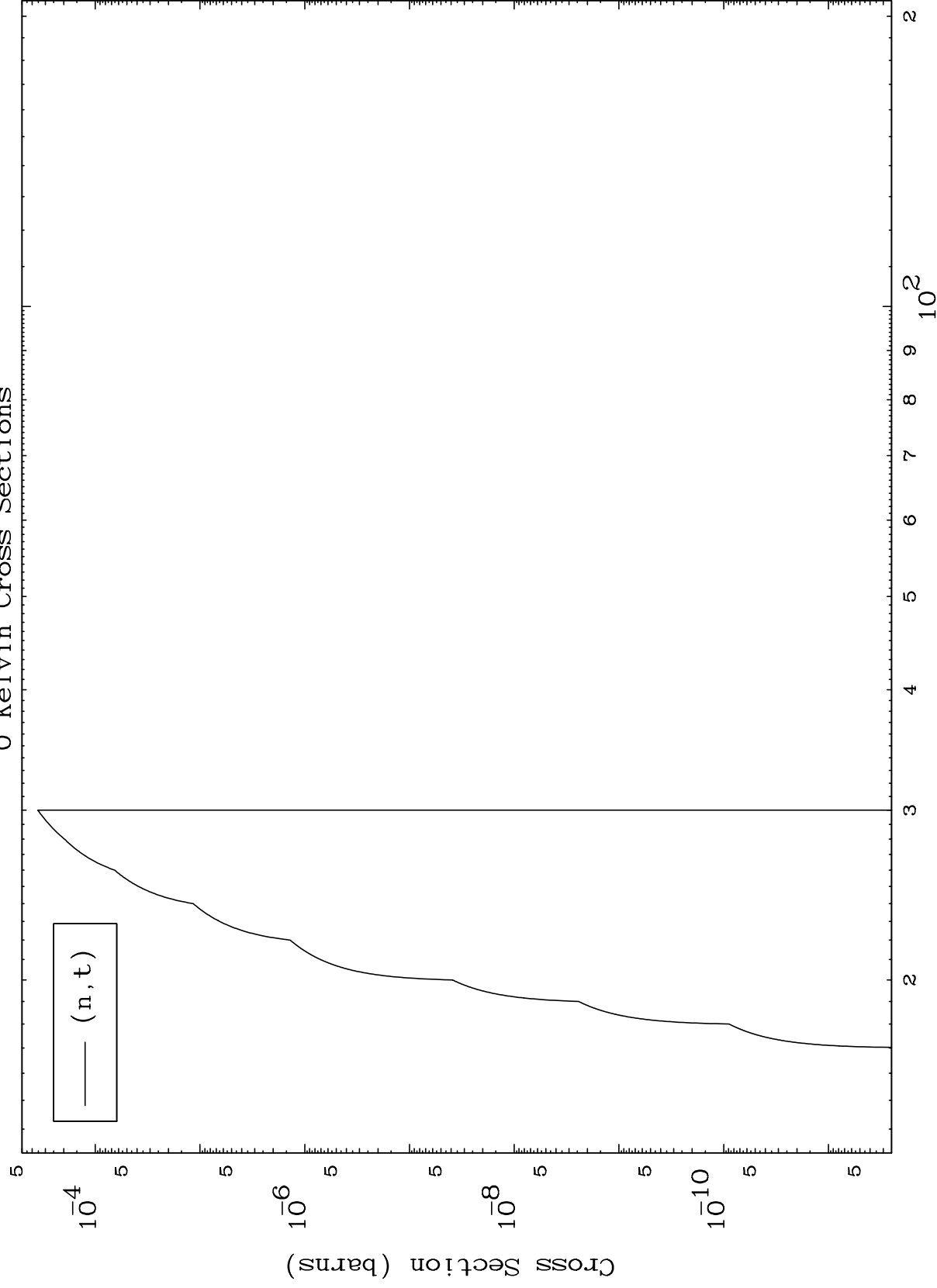
Incident Energy (MeV)

54-Xe-116

MAT 5401

(p,t) Levels  
0 Kelvin Cross Sections

54-Xe-116



9

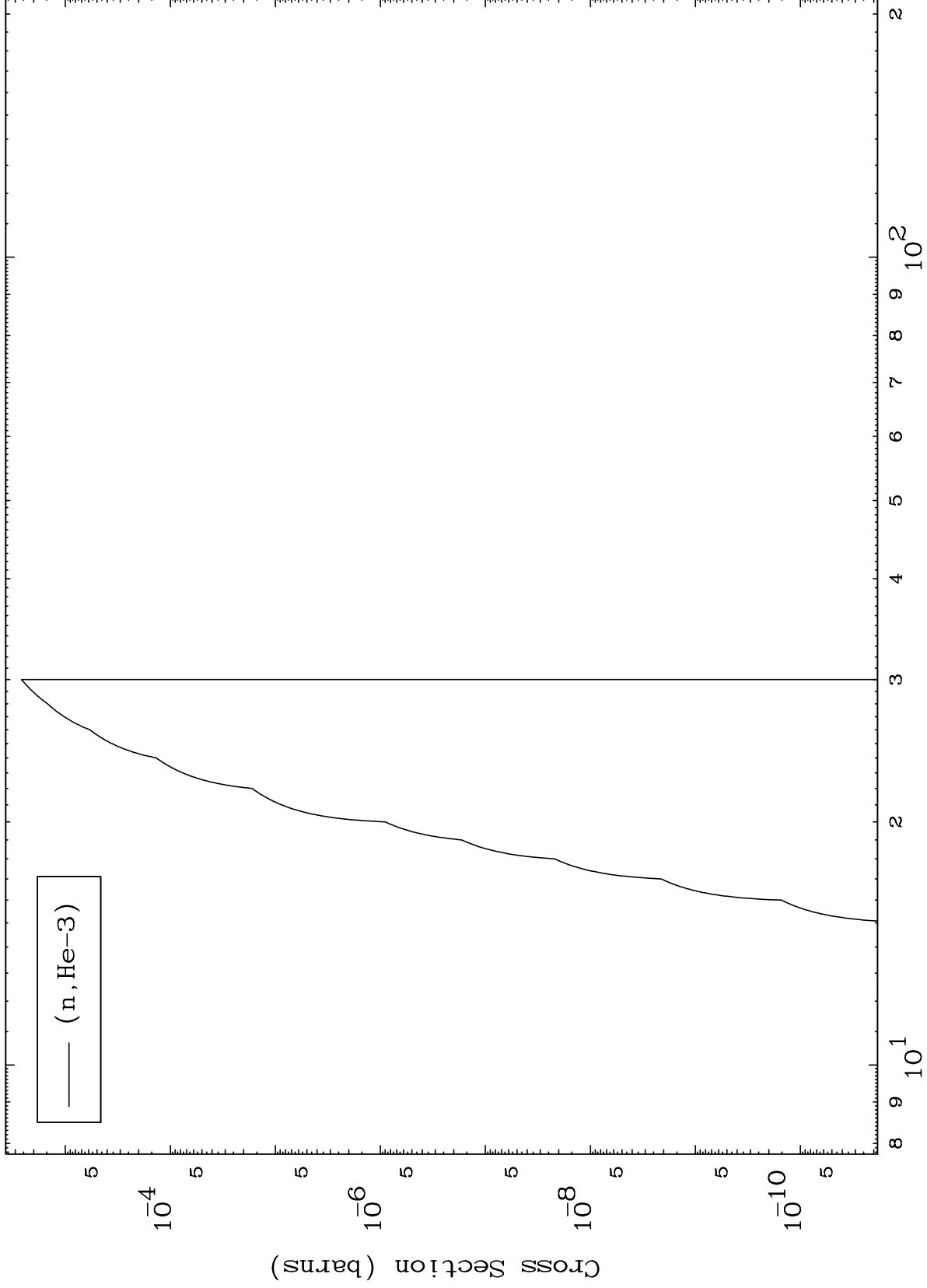
Incident Energy (MeV)

54-Xe-116

MAT 5401

(p,He3) Levels  
0 Kelvin Cross Sections

54-Xe-116



10

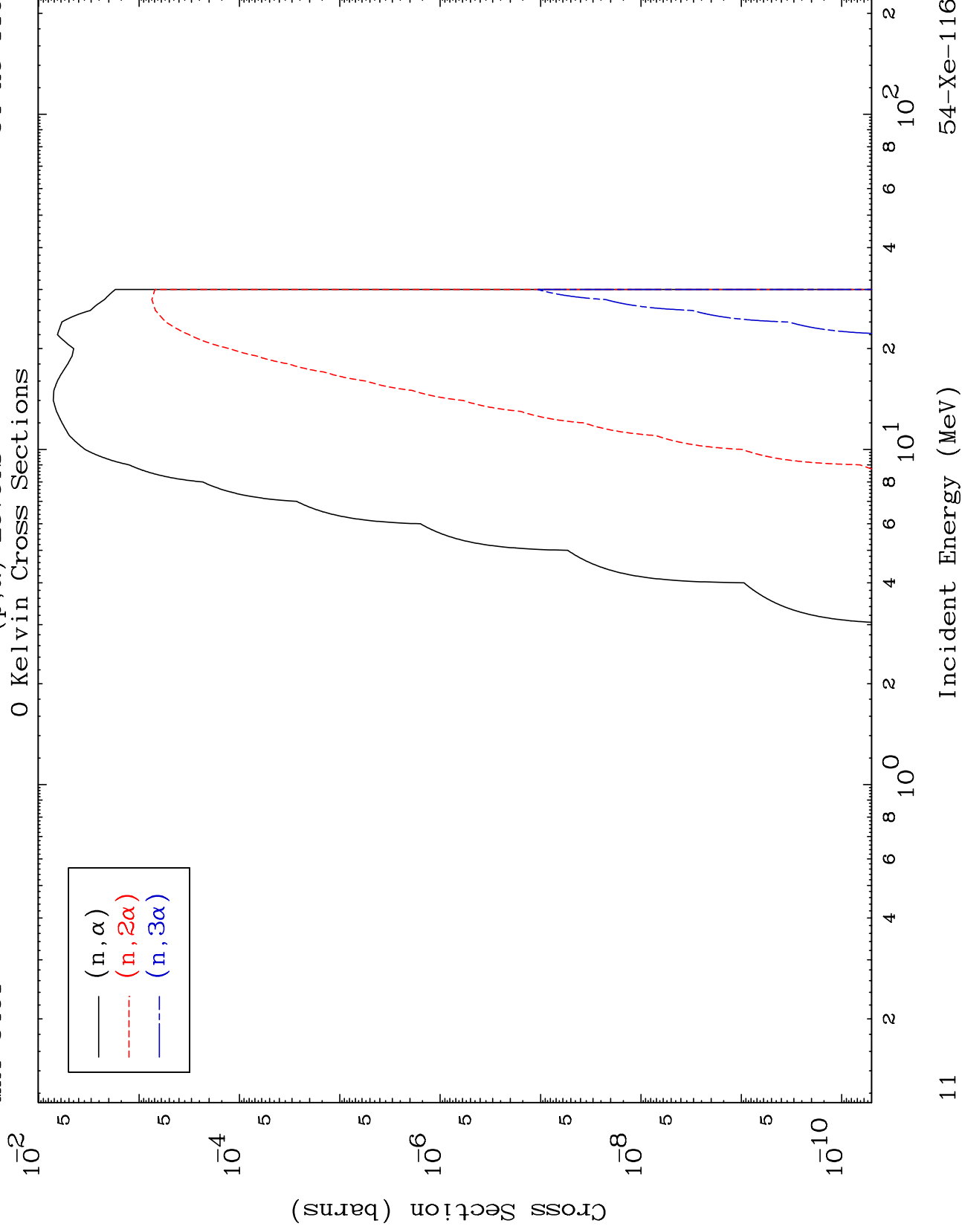
Incident Energy (MeV)

54-Xe-116

MAT 5401

(p,  $\alpha$ ) Levels

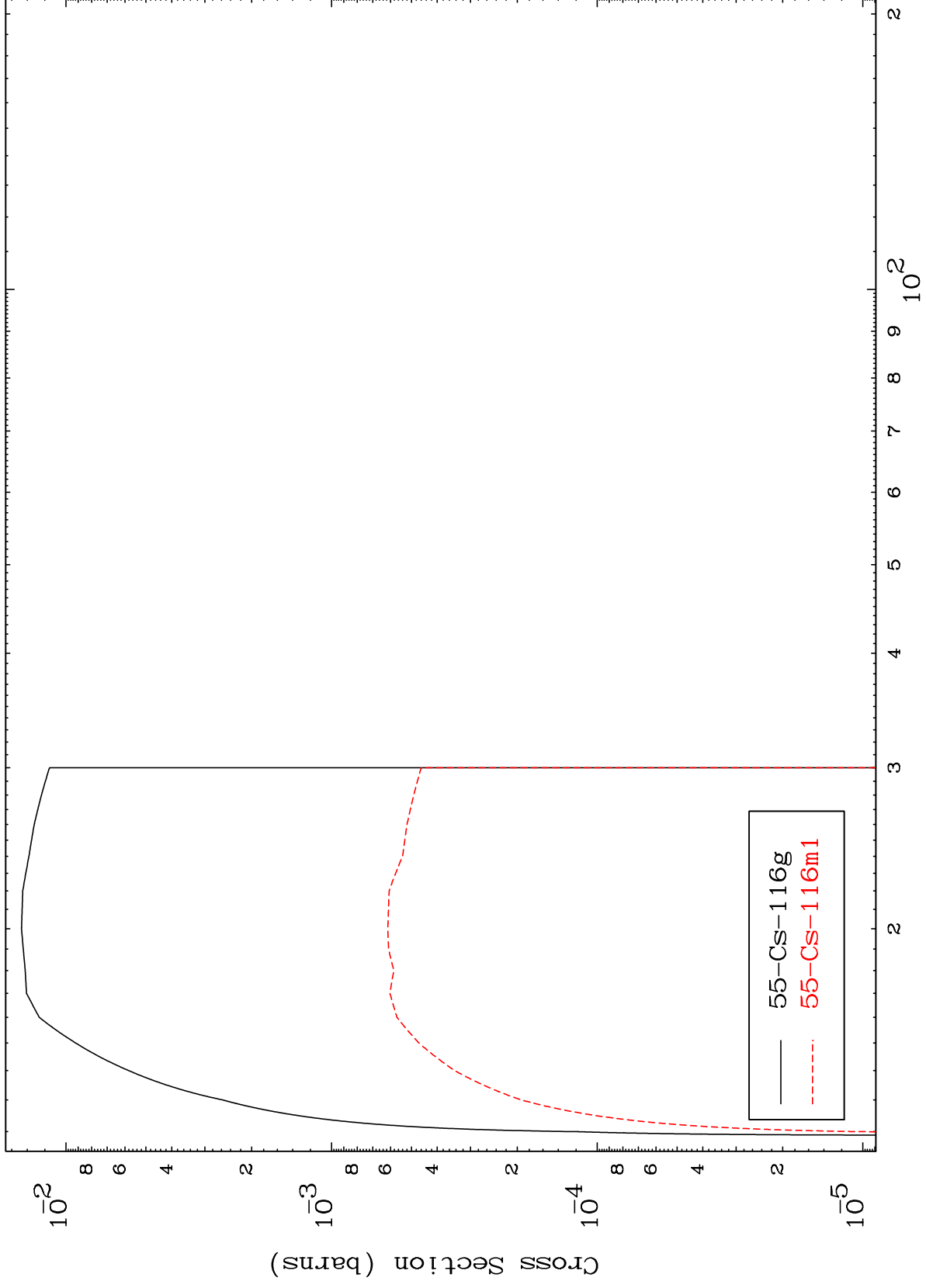
54-Xe-116



MAT 5401

54-Xe-116

Inelastic  
Radionuclide Production Cross Section



54-Xe-116

Incident Energy (MeV)

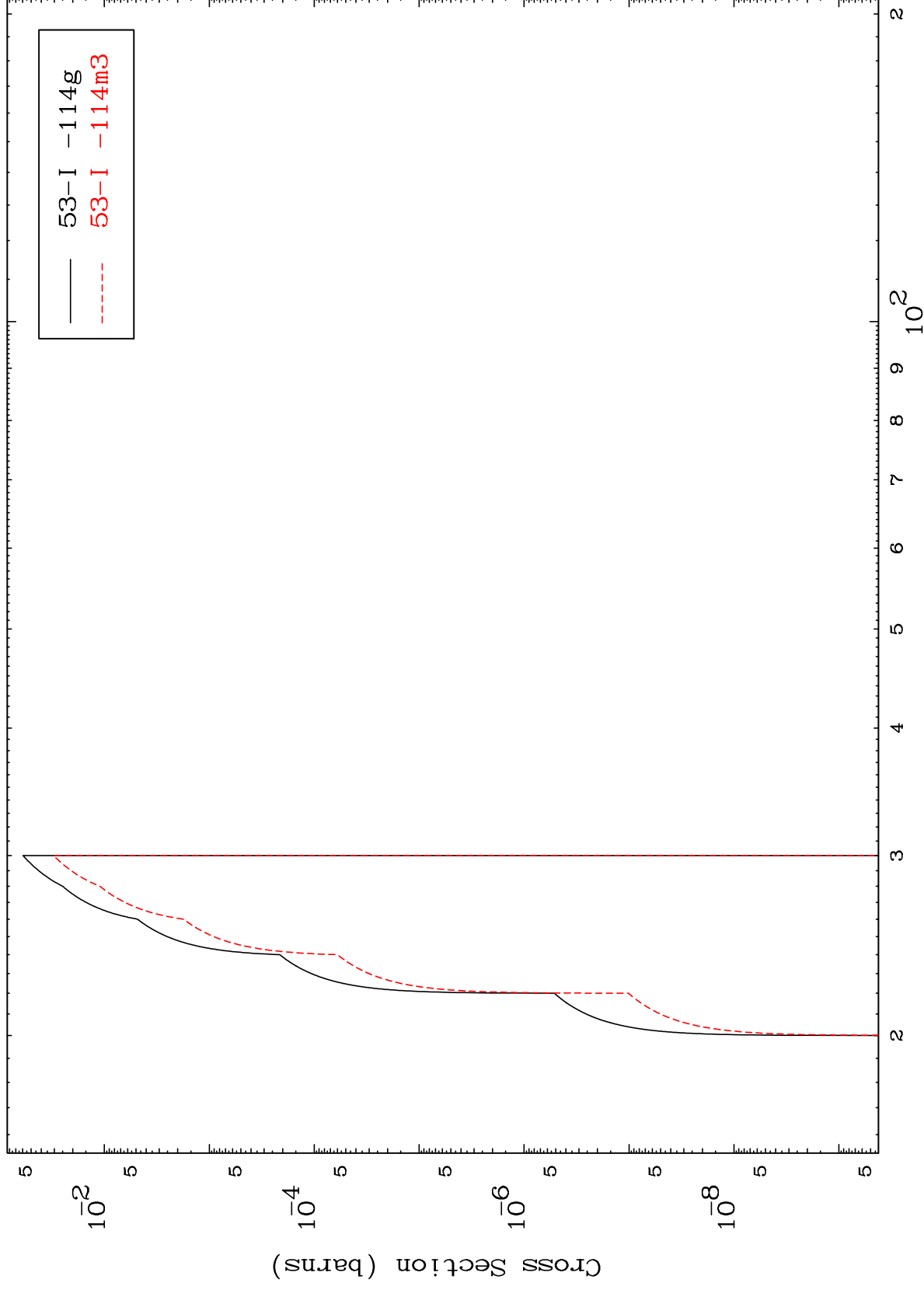
12

MAT 5401

(n,2n) p

54-Xe-116

Radionuclide Production Cross Section



13

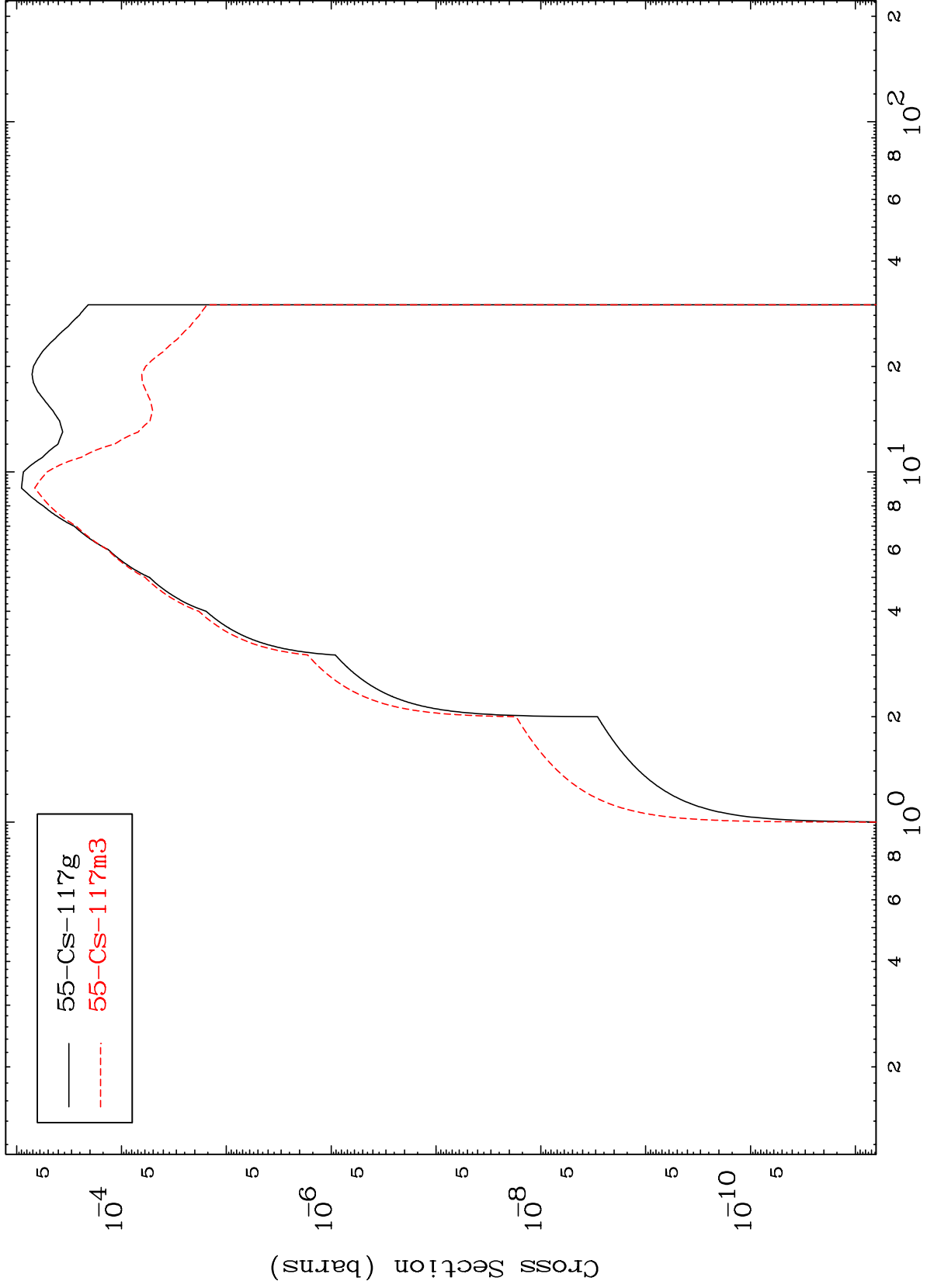
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

(n,  $\gamma$ )  
Radionuclide Production Cross Section



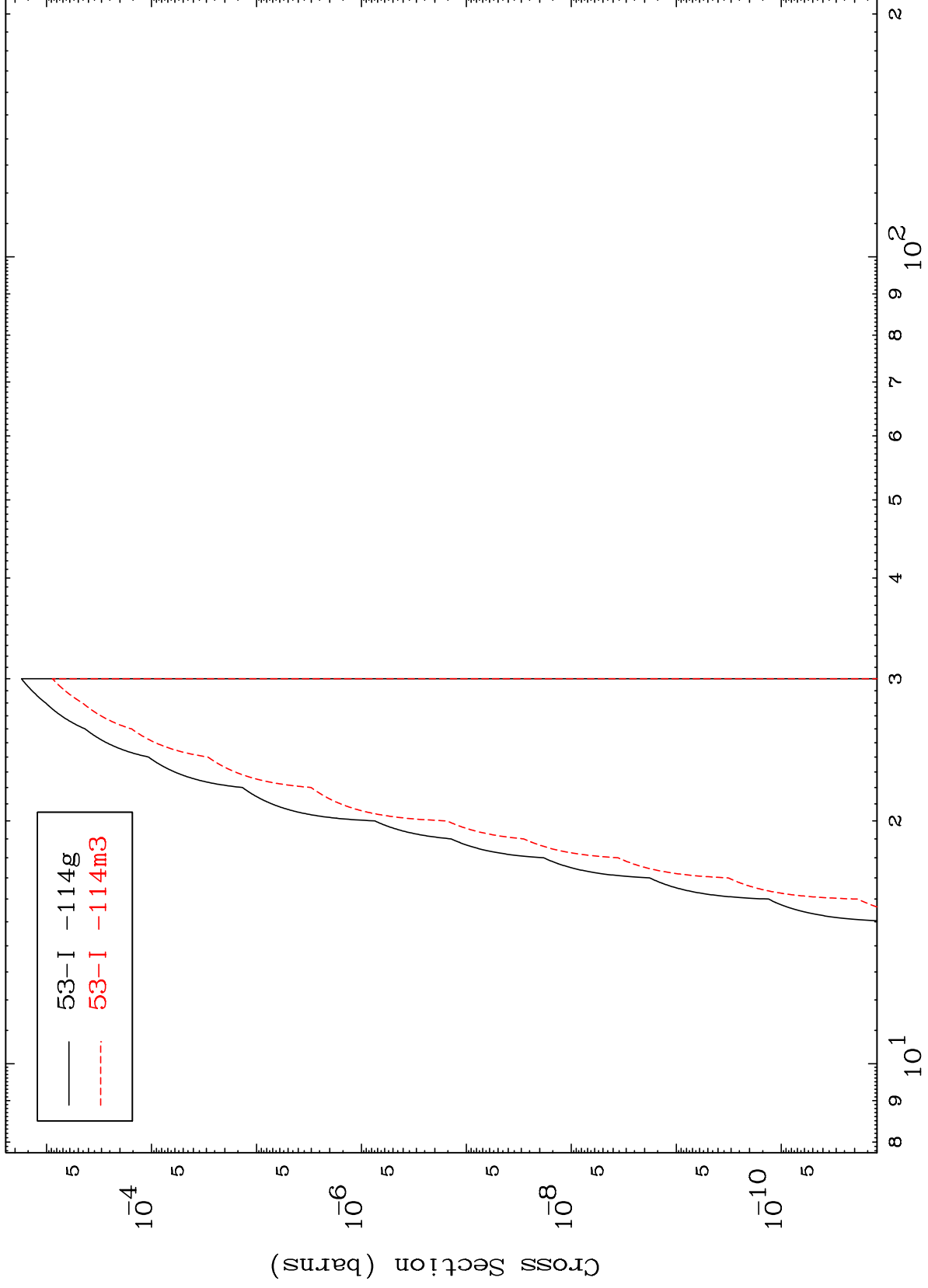
— 55-Cs-117g  
- - - 55-Cs-117m3

MAT 5401

(n,He-3)

54-Xe-116

Radionuclide Production Cross Section



15

Incident Energy (MeV)

54-Xe-116

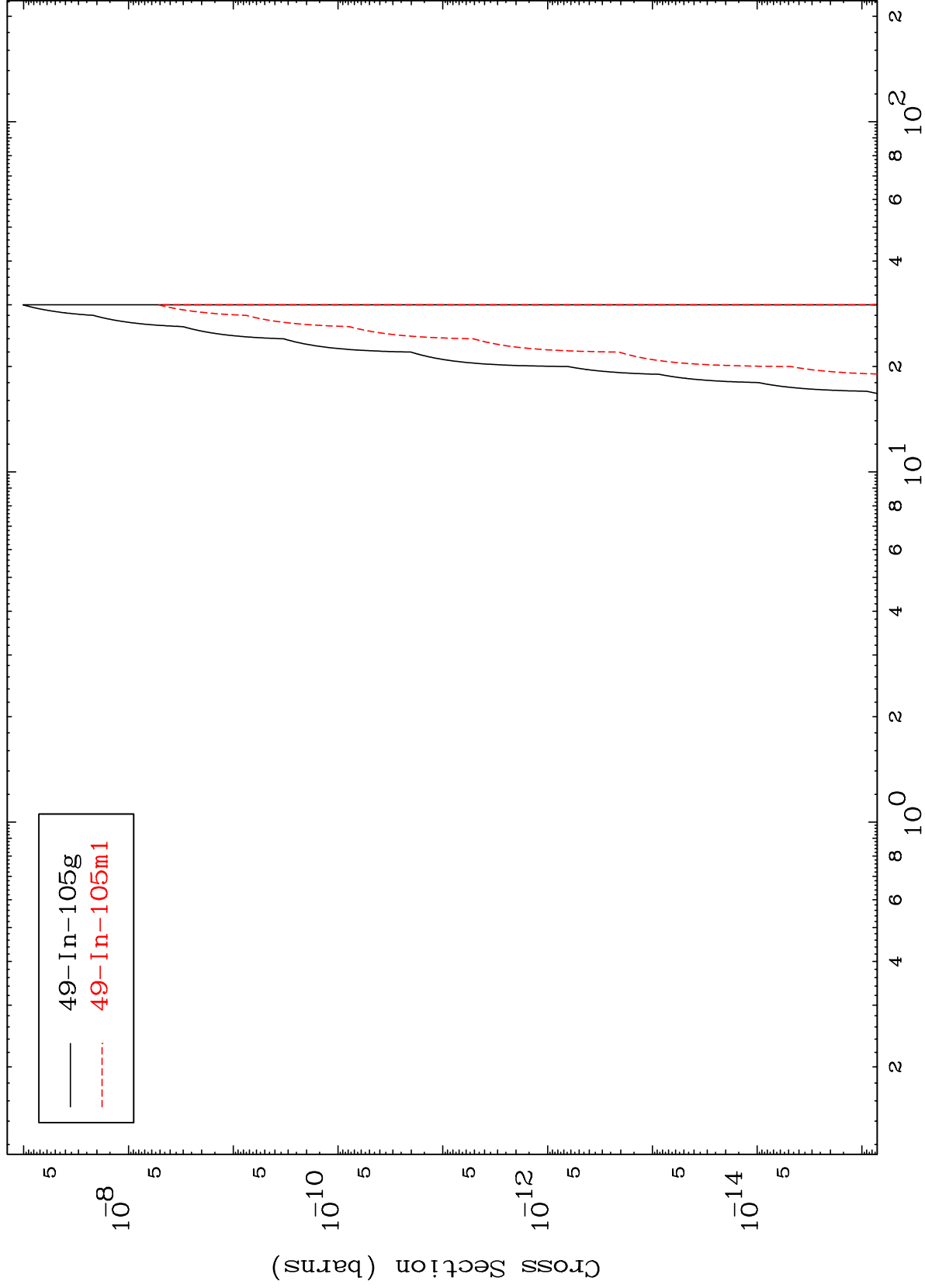


MAT 5401

(n, 3α)

54-Xe-116

Radionuclide Production Cross Section



16

Incident Energy (MeV)

54-Xe-116

