

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

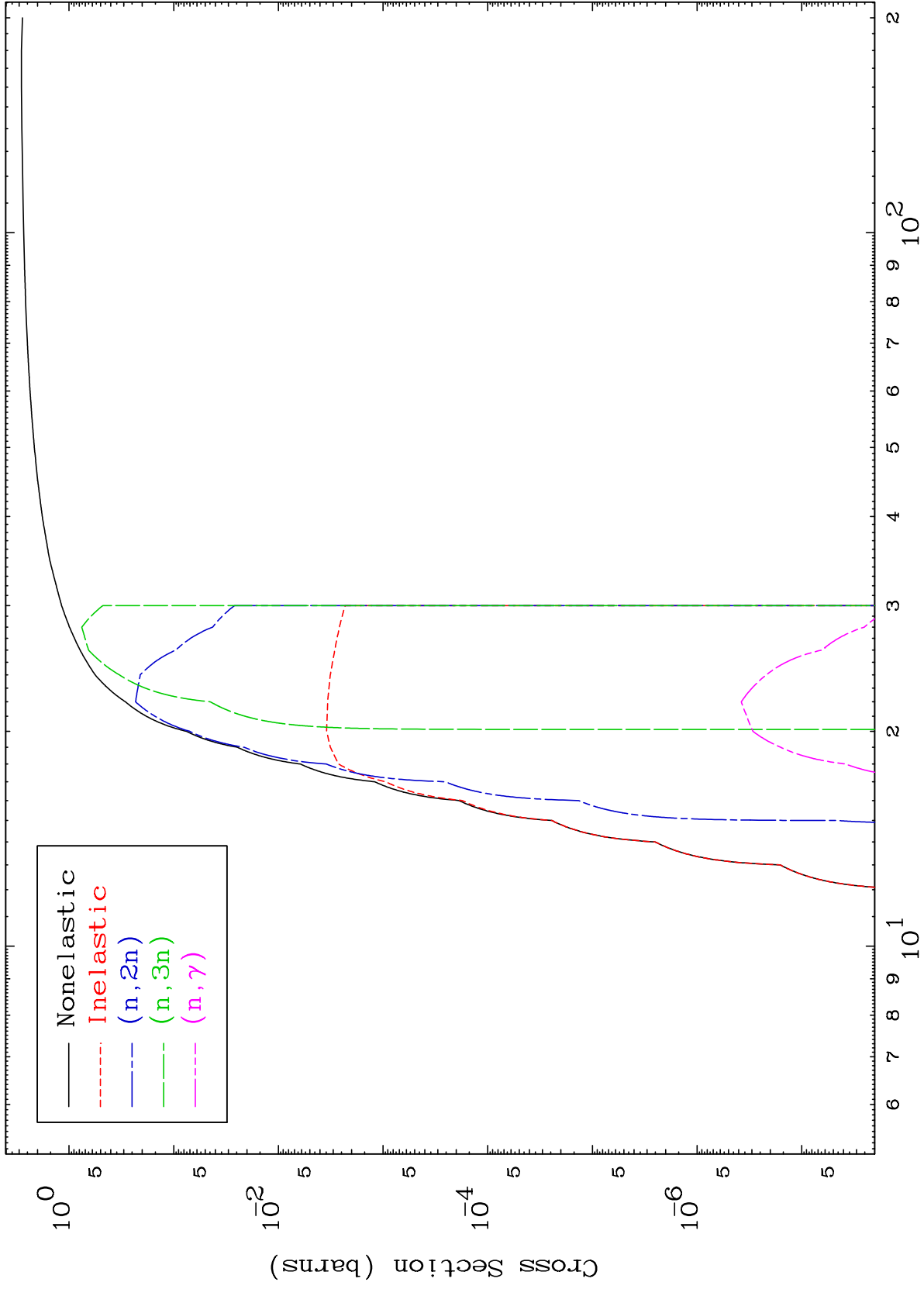
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8149

0 Kelvin  
 $\alpha$  Major Cross Sections

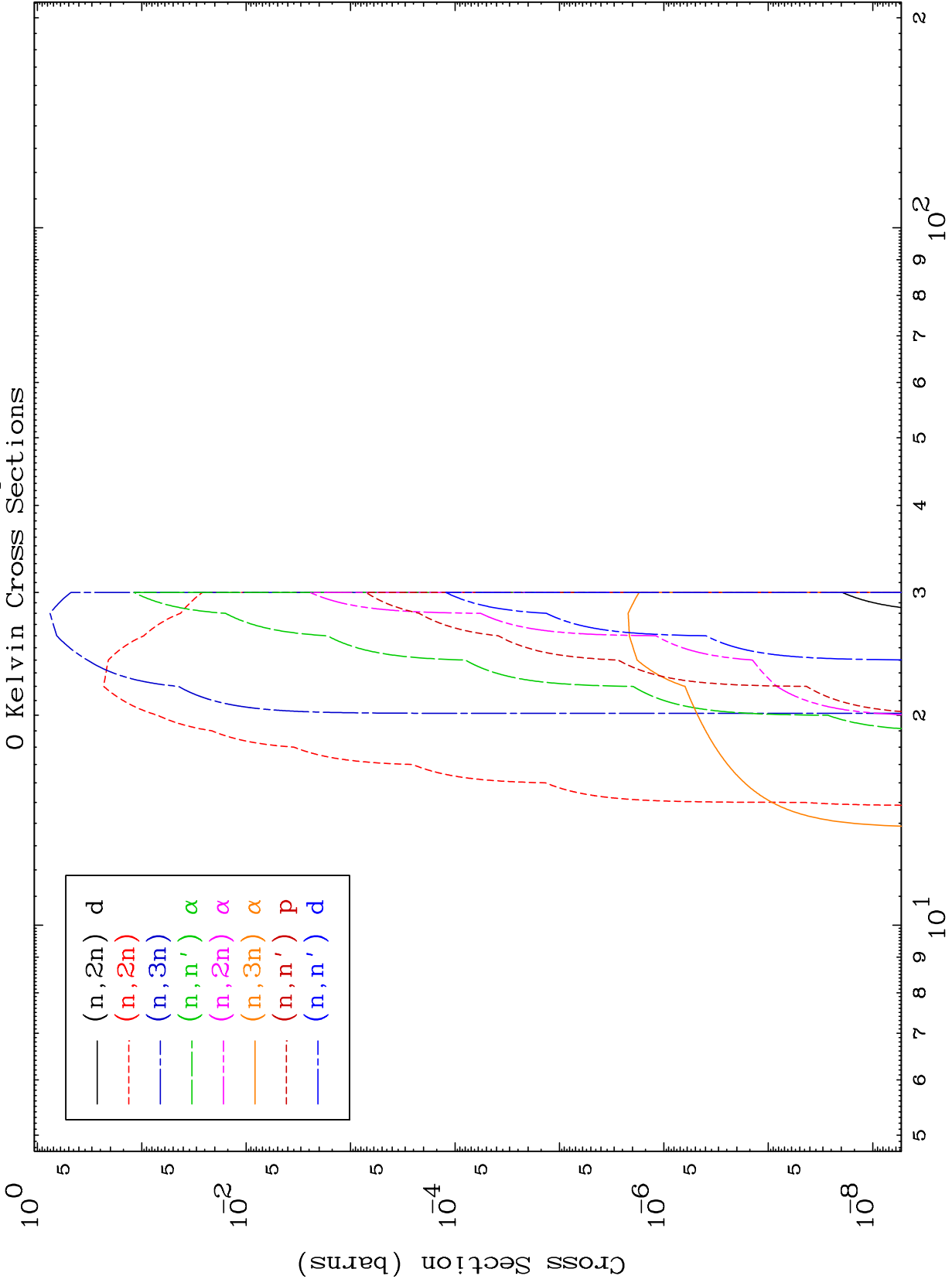
81-Tl-211



1

Incident Energy (MeV)

81-Tl-211

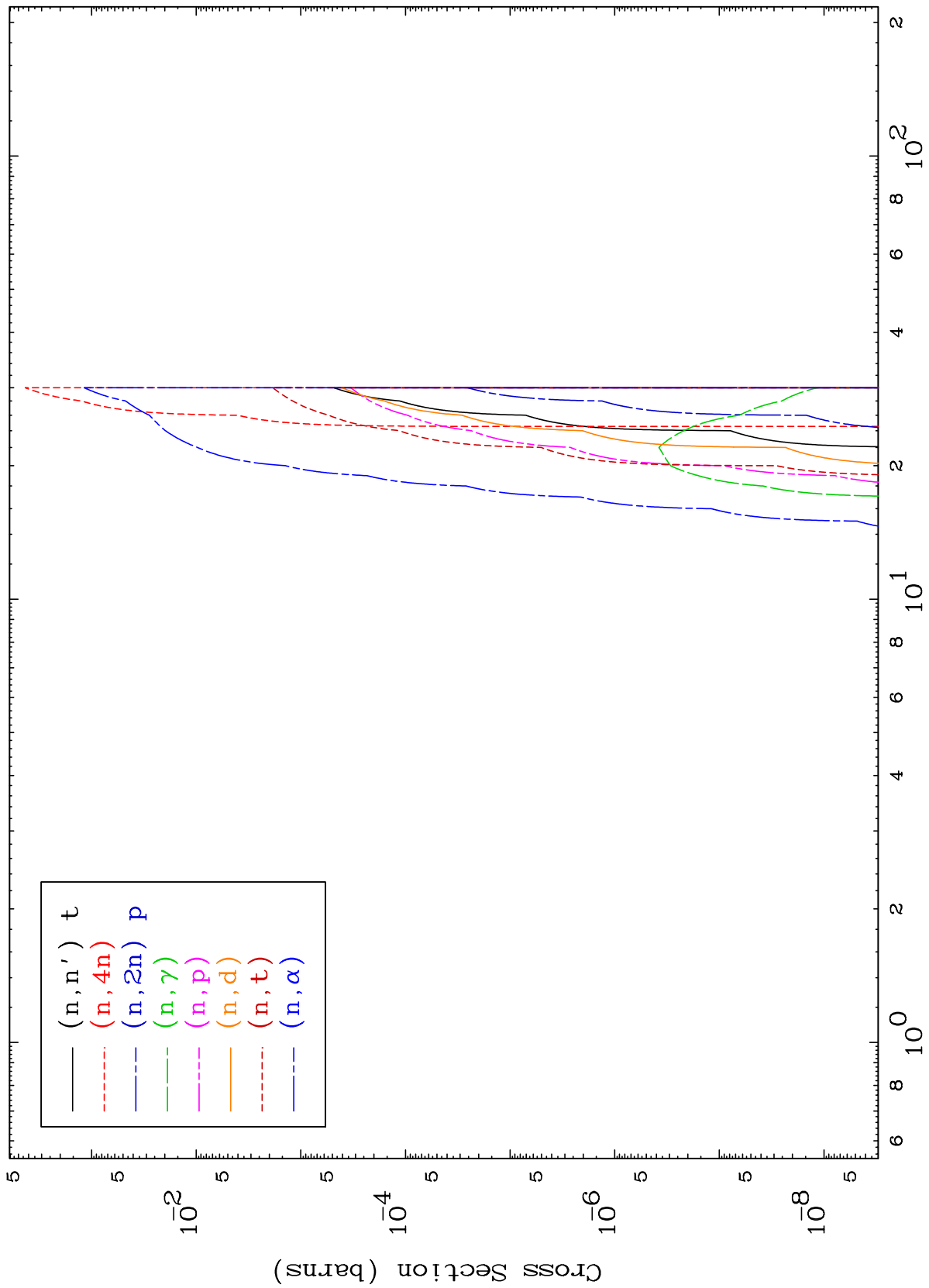


MAT 8149

$\alpha$  Neutron Absorption

81-Tl-211

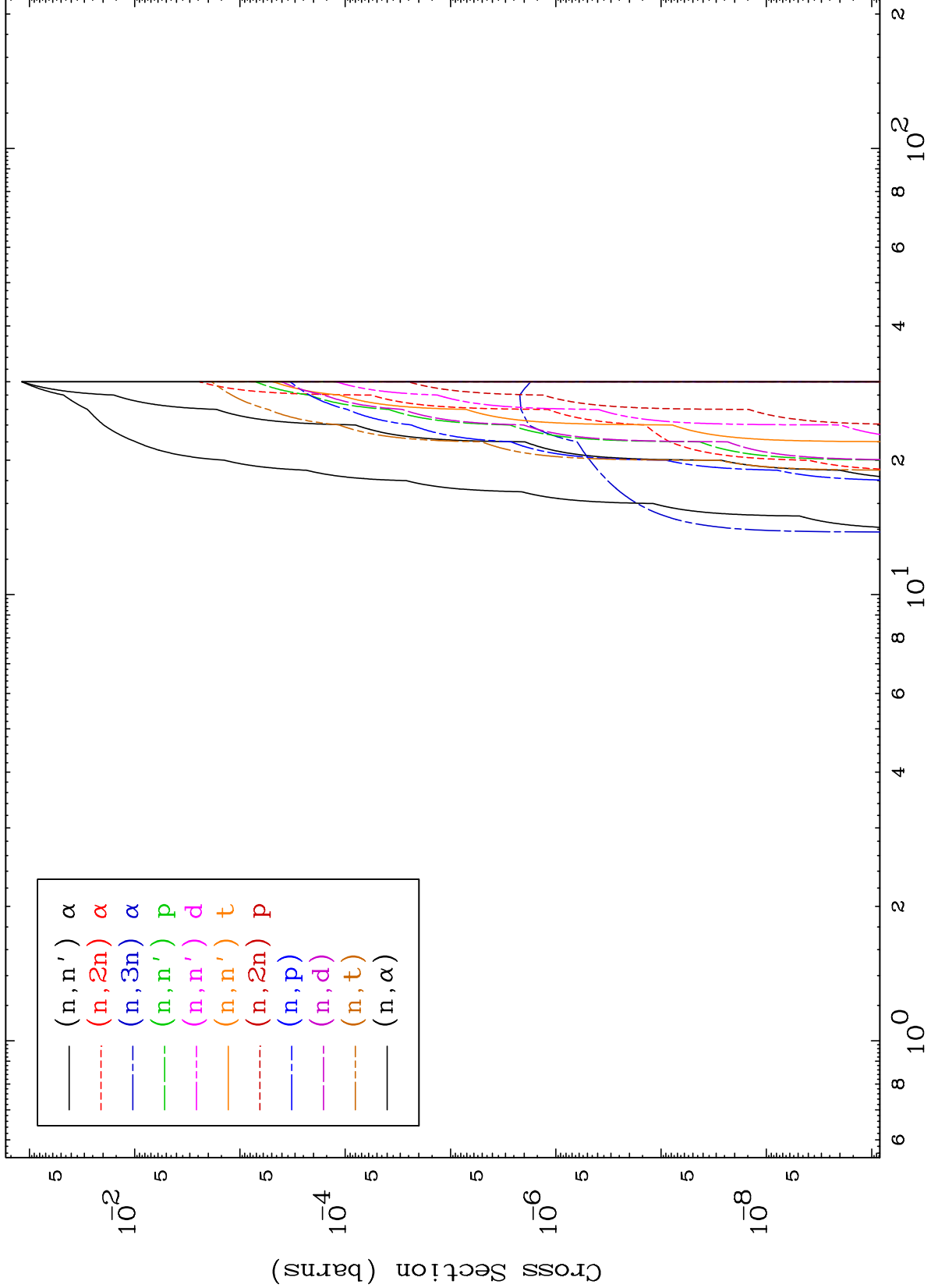
0 Kelvin Cross Sections



3

Incident Energy (MeV)

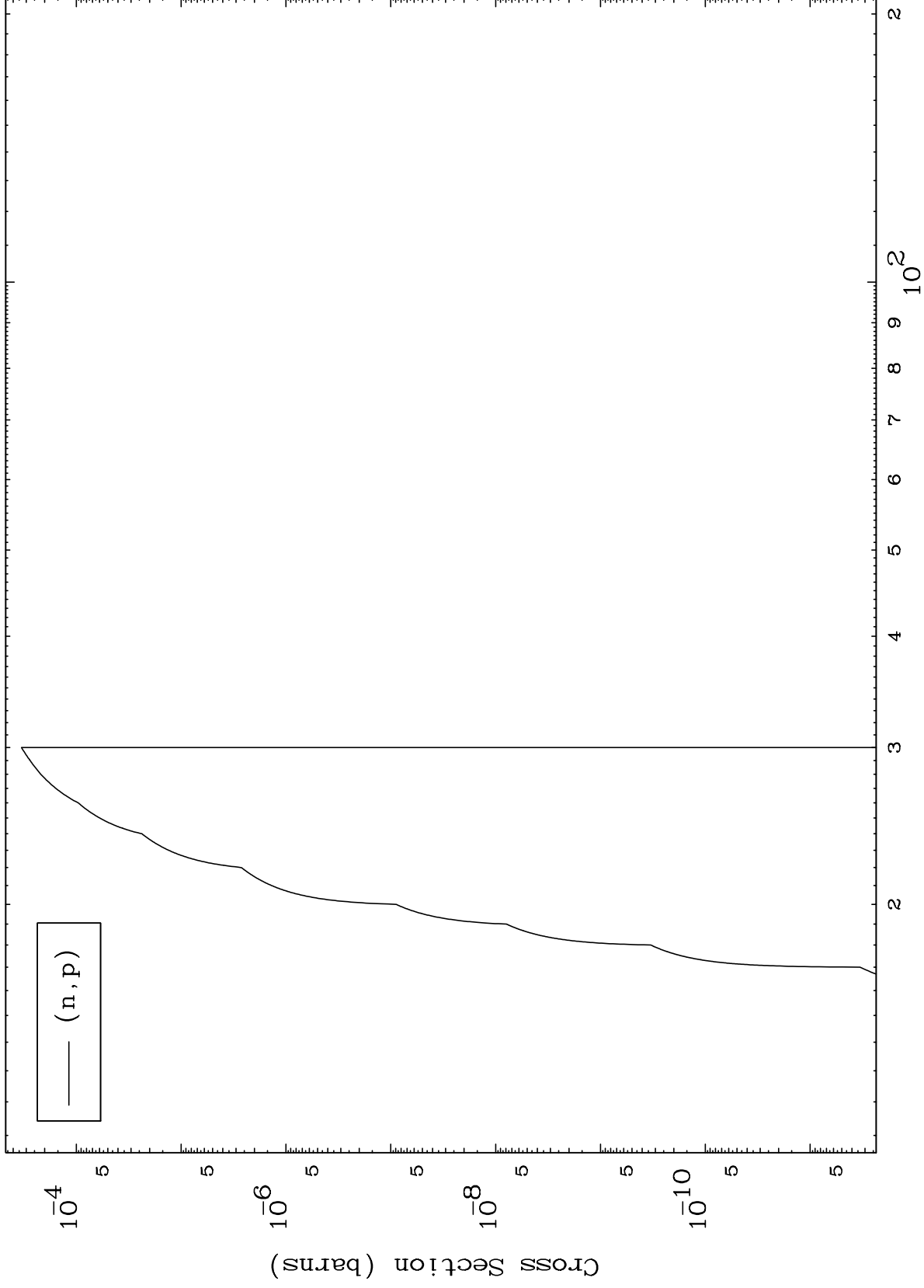
81-Tl-211



MAT 8149

( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections

81-Tl-211



5

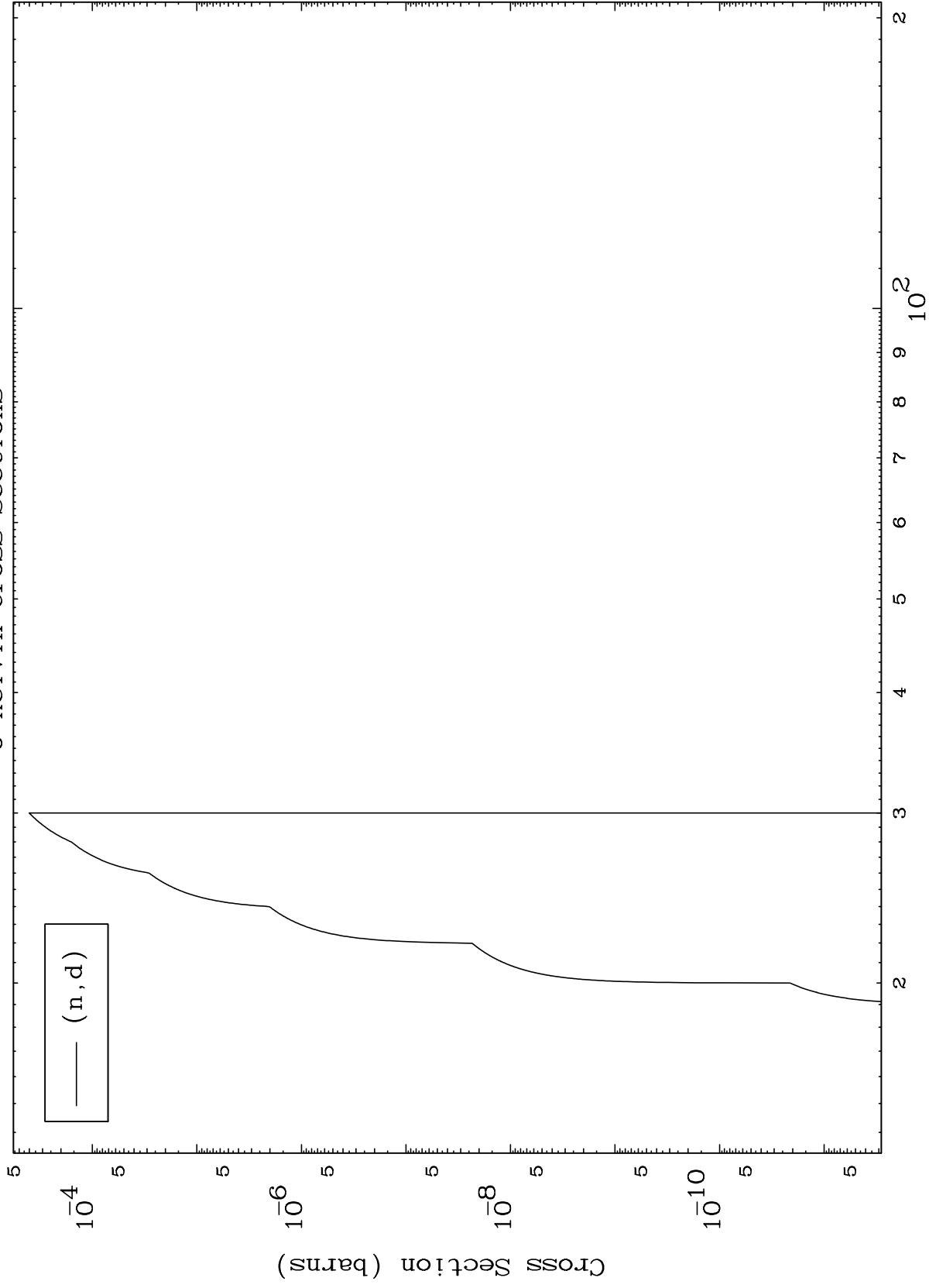
Incident Energy (MeV)

81-Tl-211

MAT 8149

( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

81-Tl-211



6

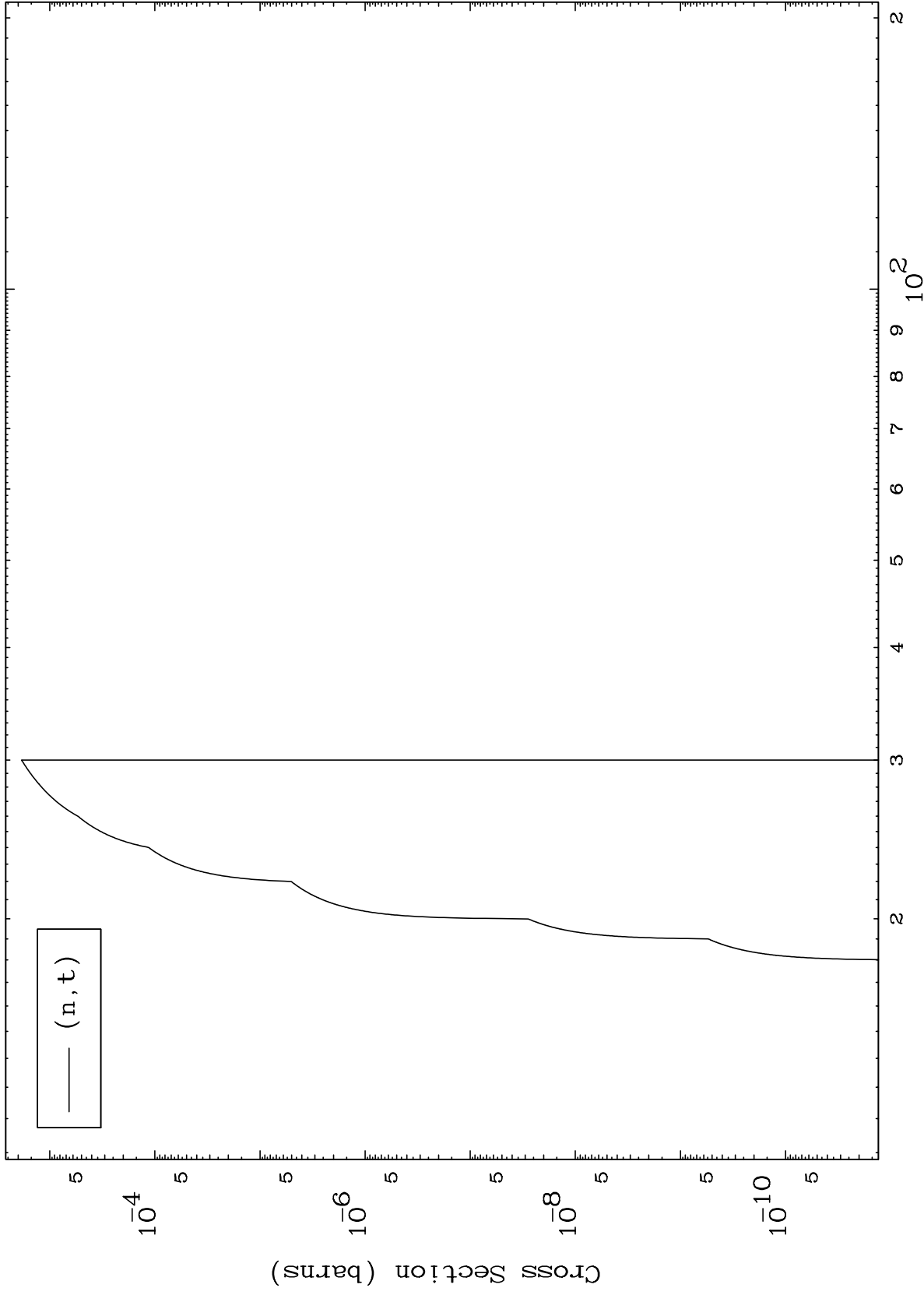
Incident Energy (MeV)

81-Tl-211

MAT 8149

( $\alpha, t$ ) Levels  
0 Kelvin Cross Sections

81-Tl-211



7

Incident Energy (MeV)

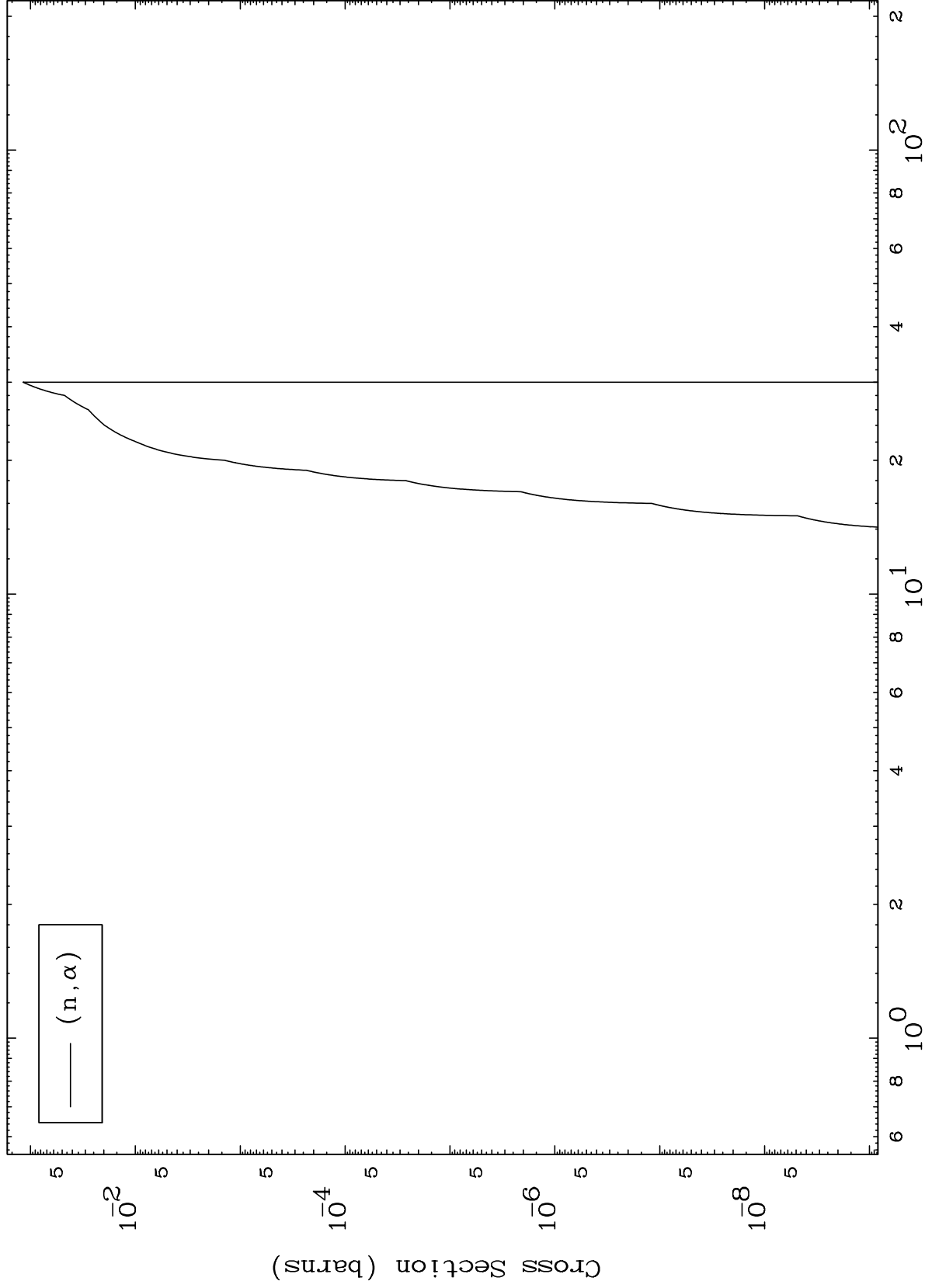
81-Tl-211

MAT 8149

( $\alpha, \alpha$ ) Levels

81-Tl-211

0 Kelvin Cross Sections



8

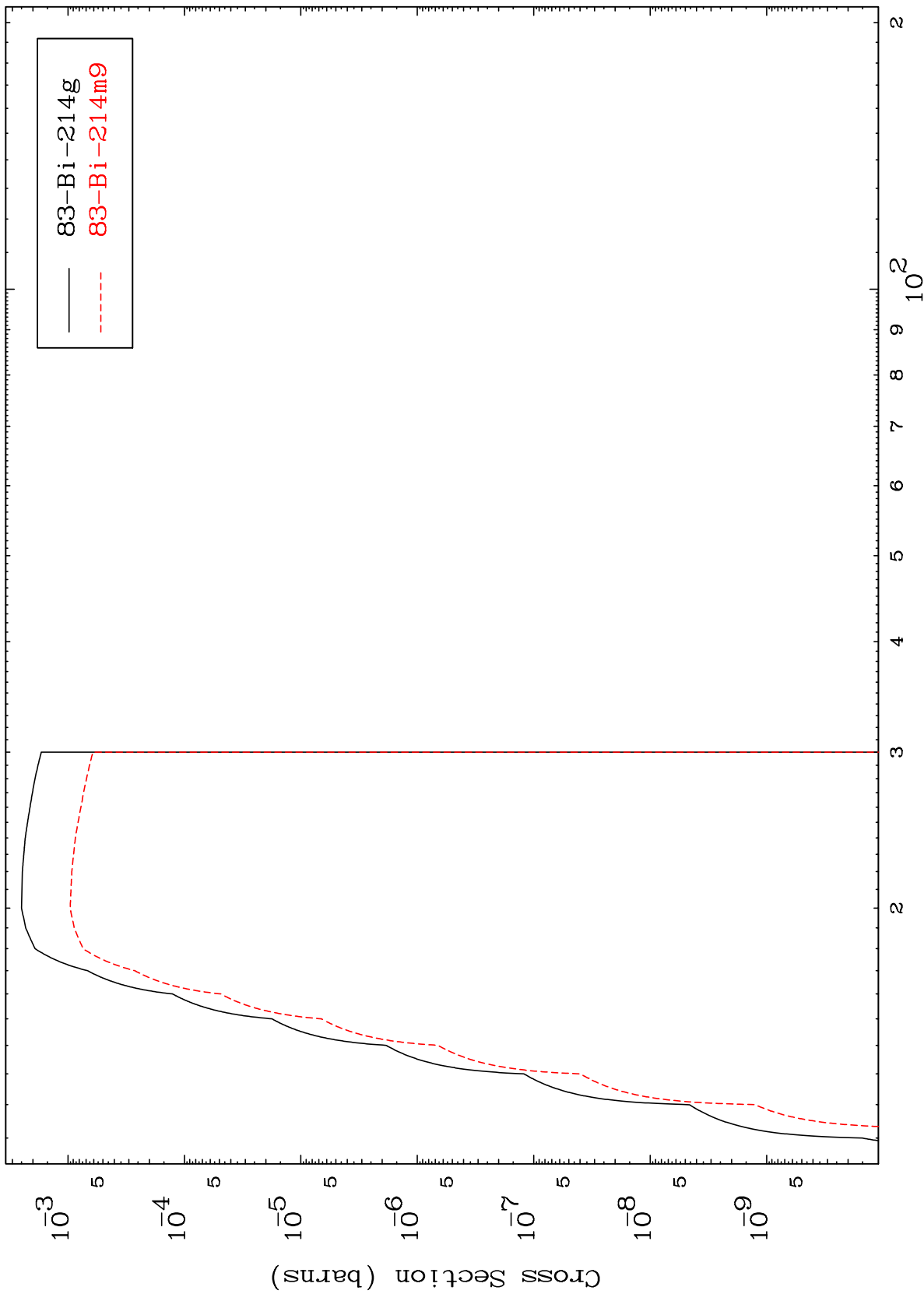
Incident Energy (MeV)

81-Tl-211

MAT 8149

81-Tl-211

Inelastic  
Radionuclide Production Cross Section



9

Incident Energy (MeV)

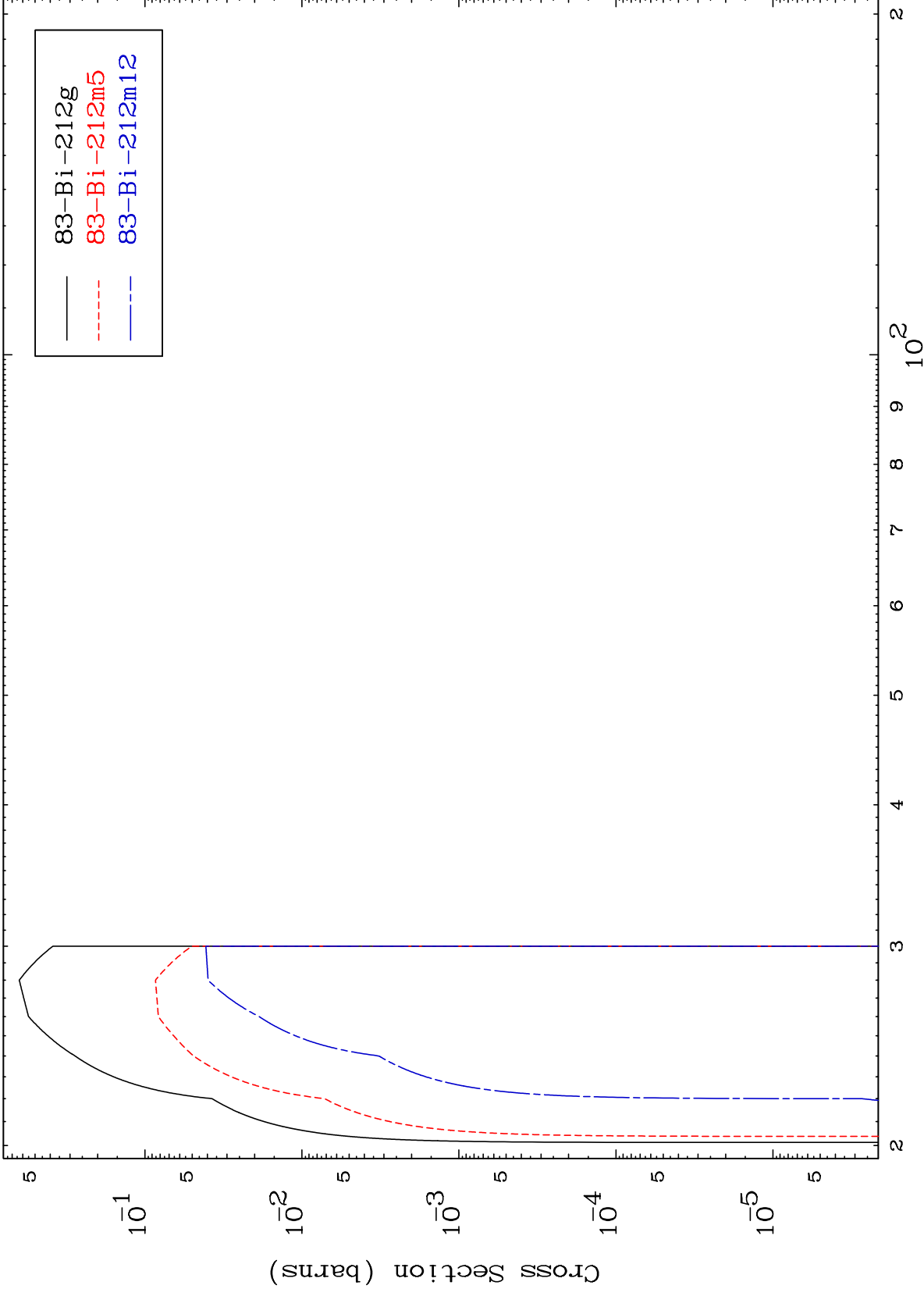
81-Tl-211

MAT 8149

(n,3n)

81-Tl-211

Radionuclide Production Cross Section



83-Bi-212g  
83-Bi-212m5  
83-Bi-212m12

10

Incident Energy (MeV)

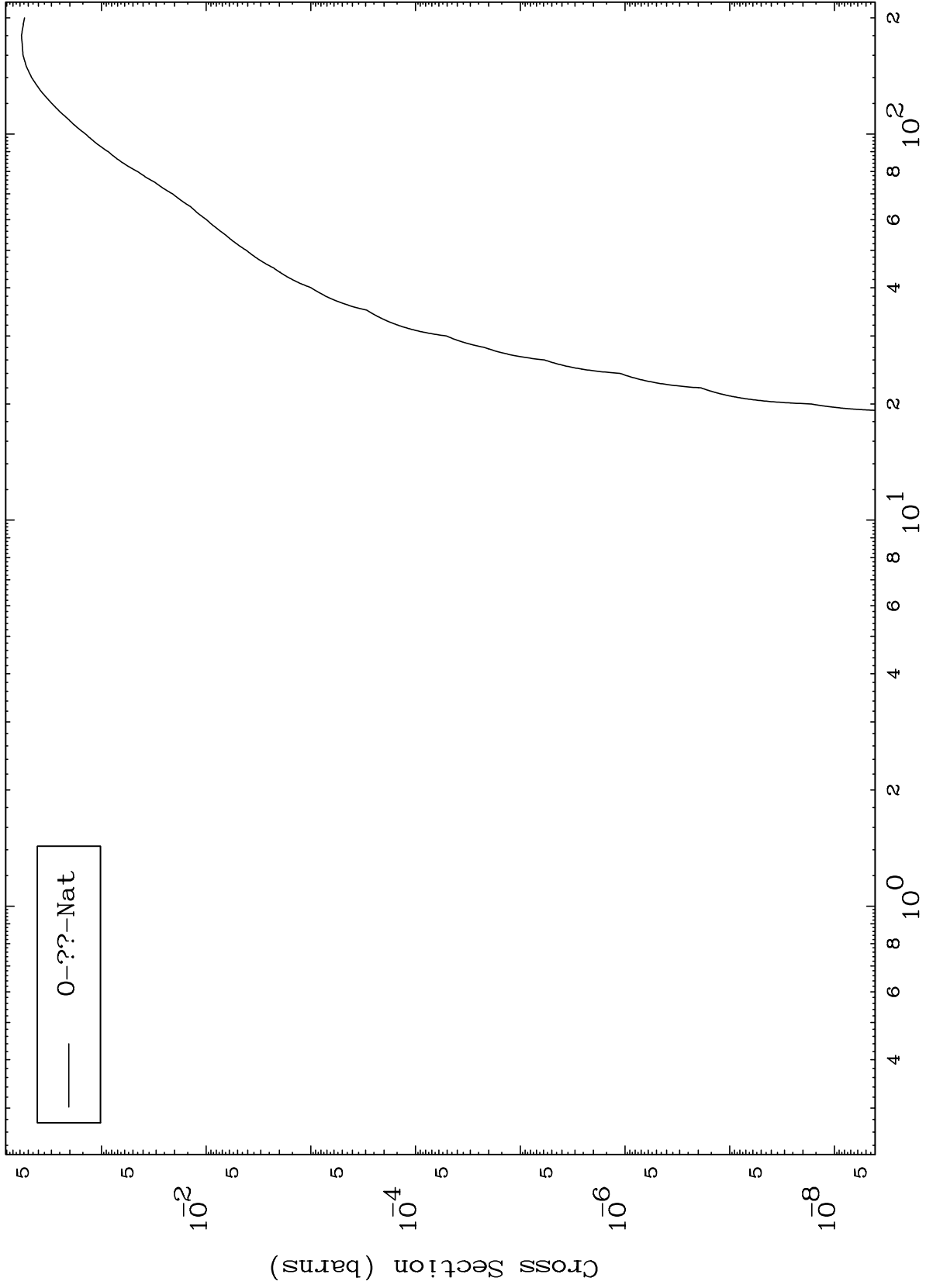
81-Tl-211

MAT 8149

Fission

81-Tl-211

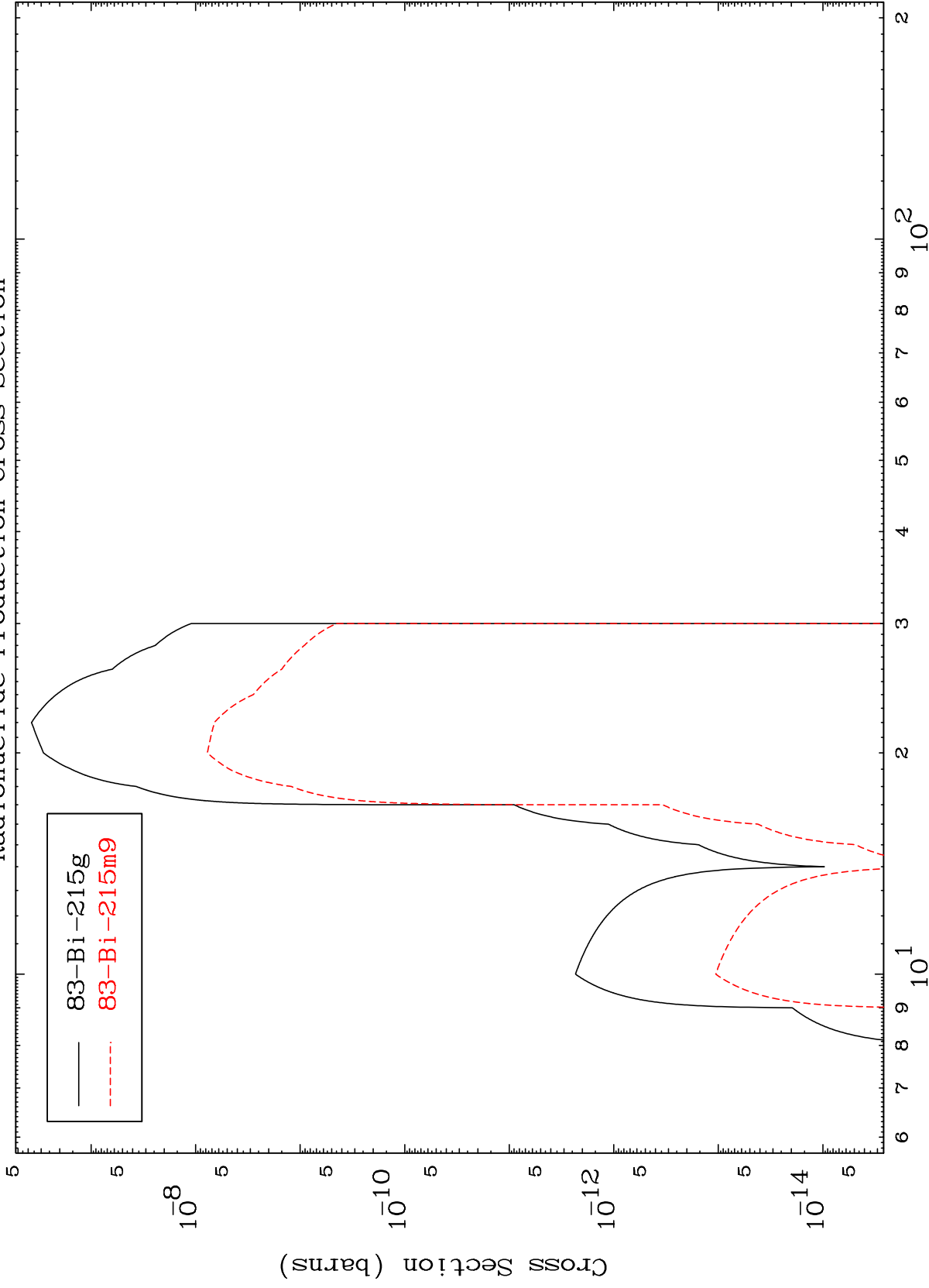
Radionuclide Production Cross Section



MAT 8149

81-Tl-211

(n,γ)  
Radionuclide Production Cross Section



12

Incident Energy (MeV)

81-Tl-211