

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

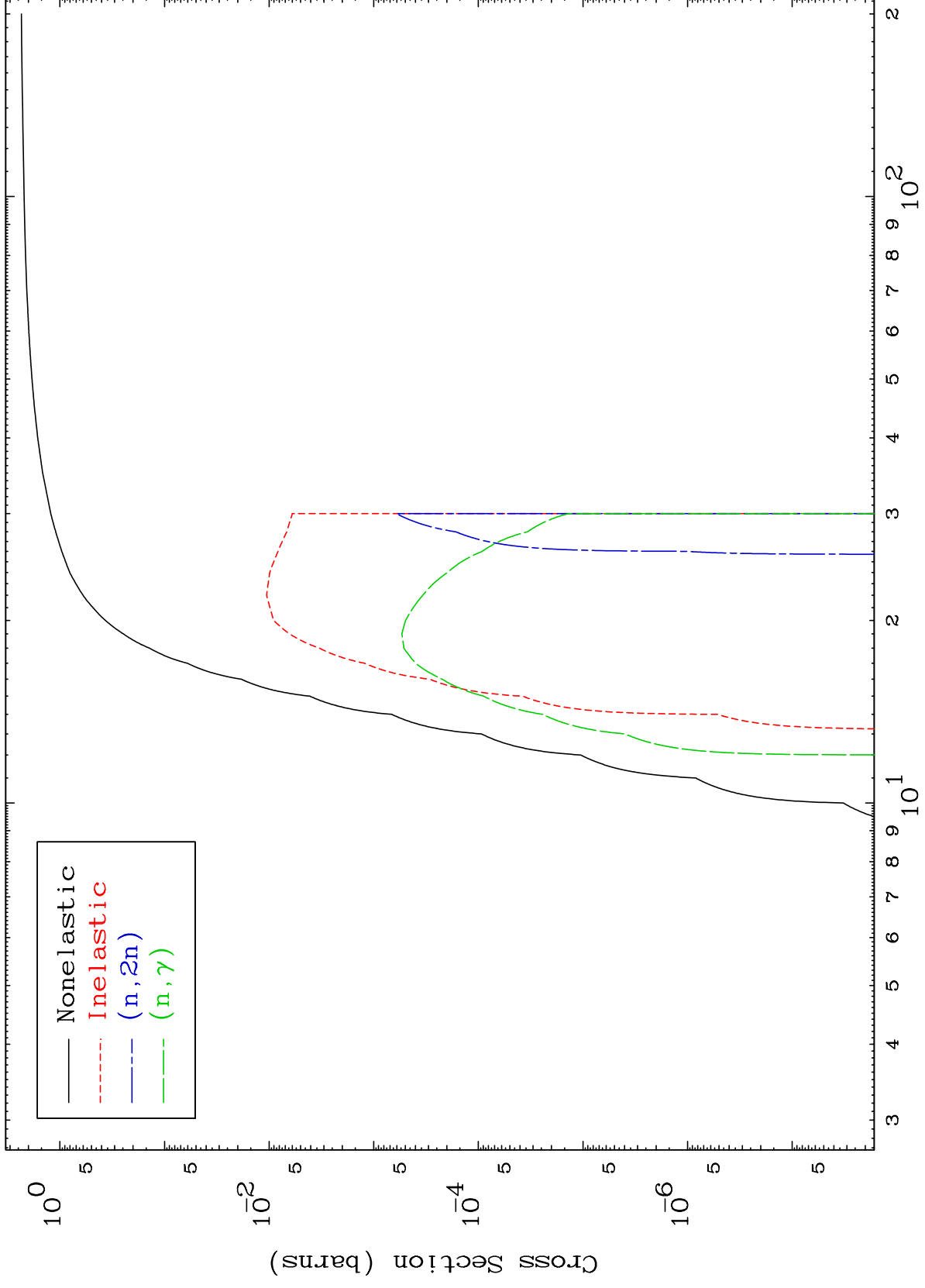
Press Mouse Button to Start

MAT 6286

$\alpha$  Major

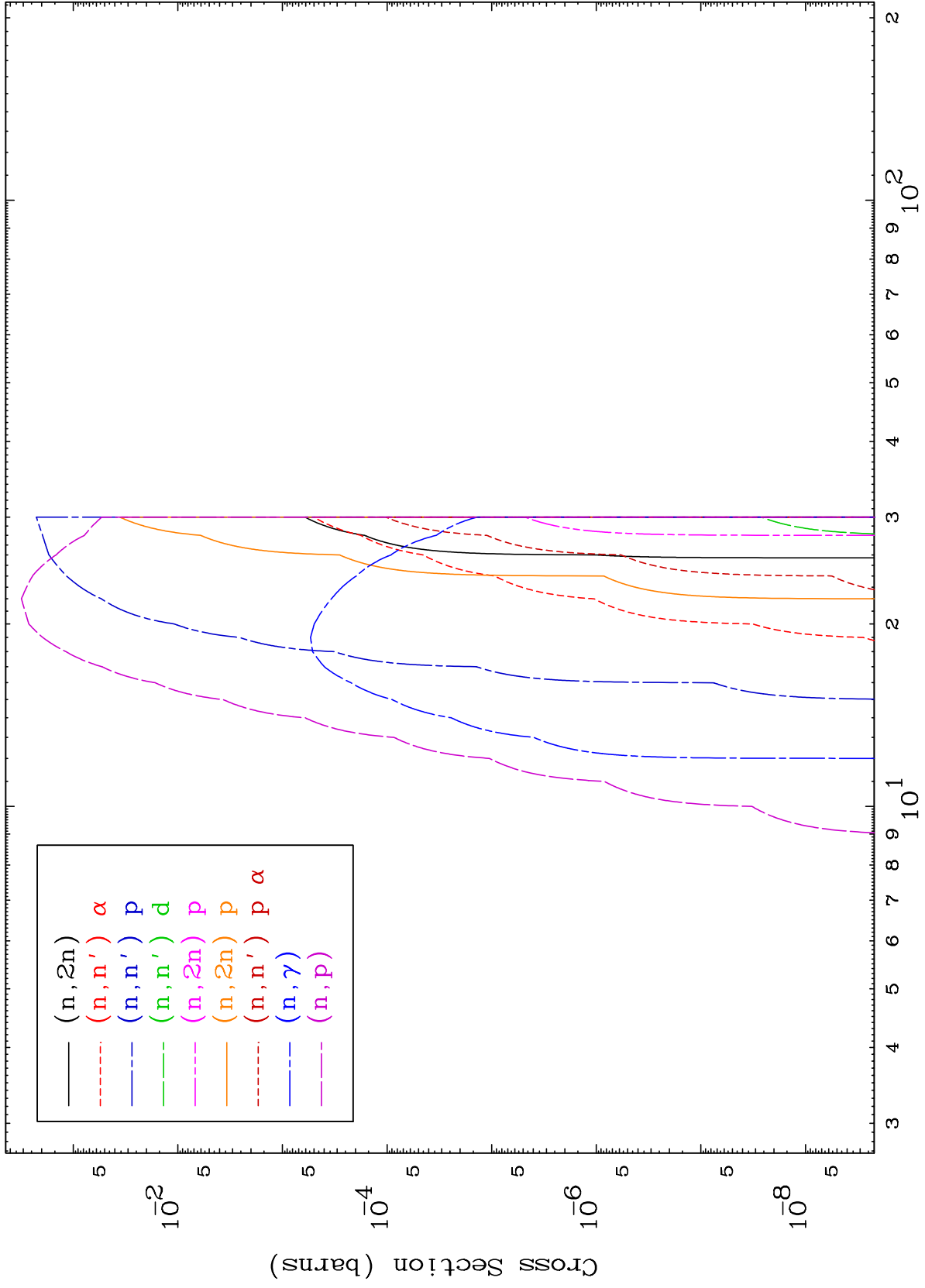
63-Eu-138

0 Kelvin Cross Sections



Incident Energy (MeV)

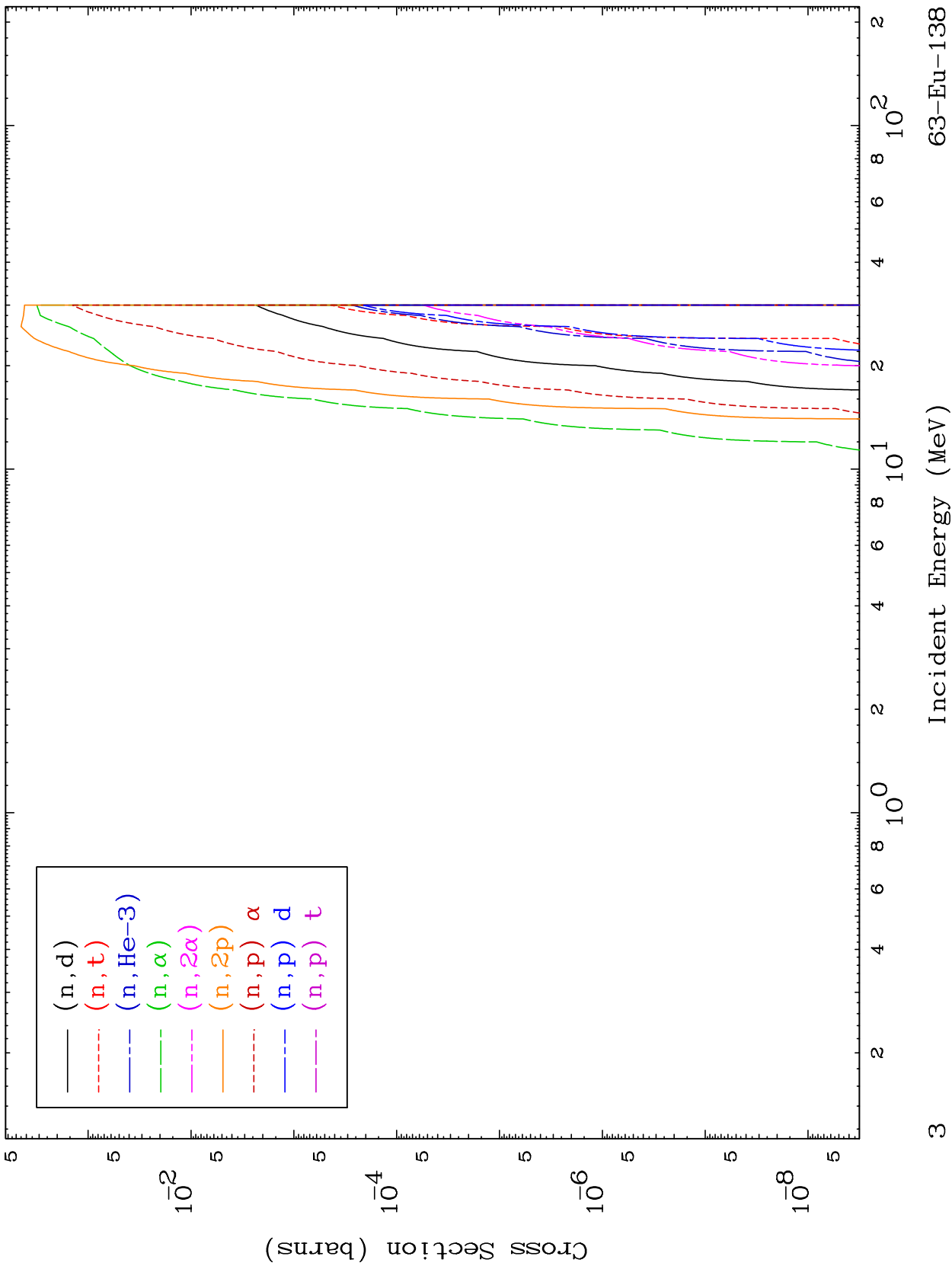
63-Eu-138

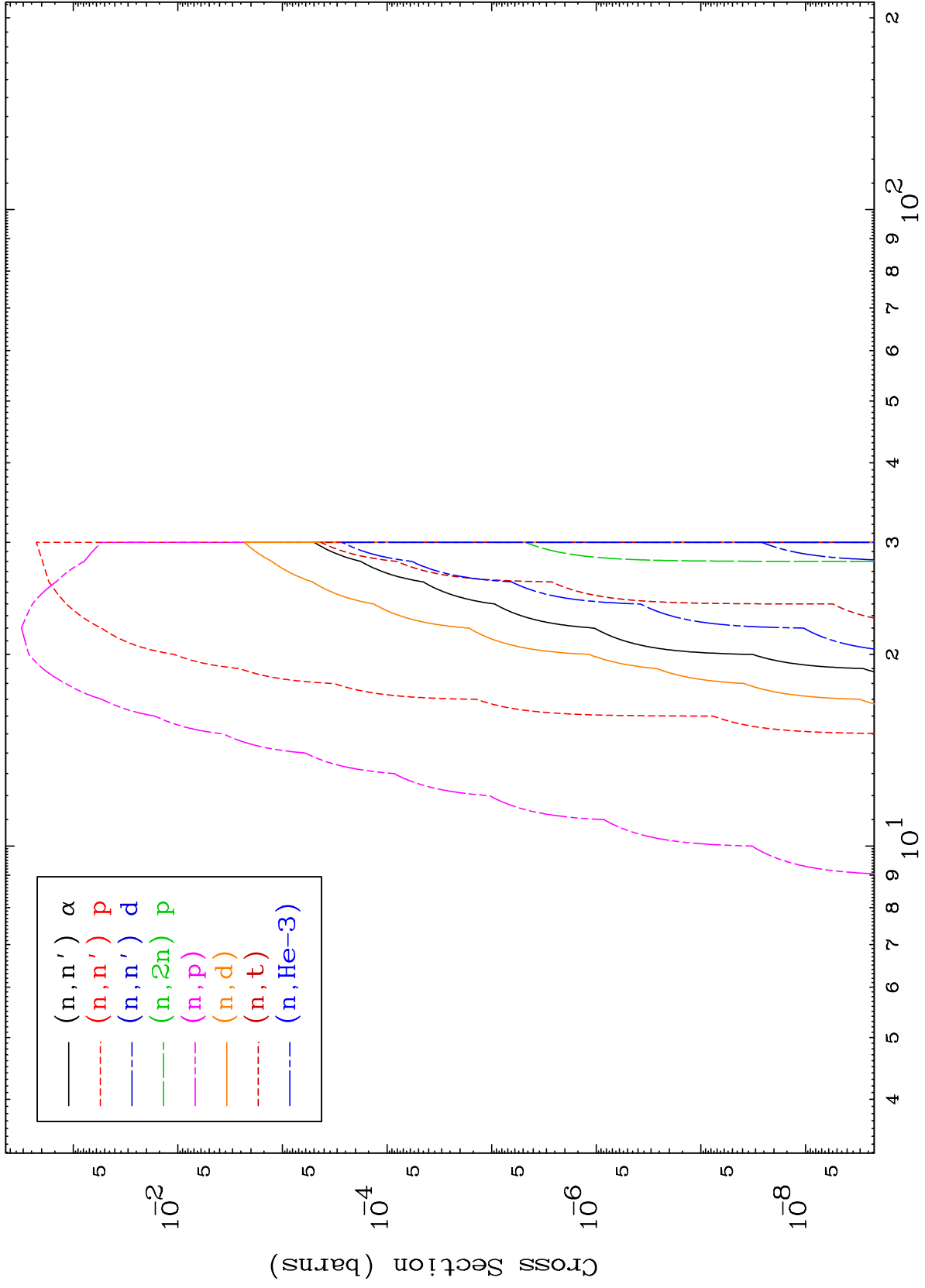


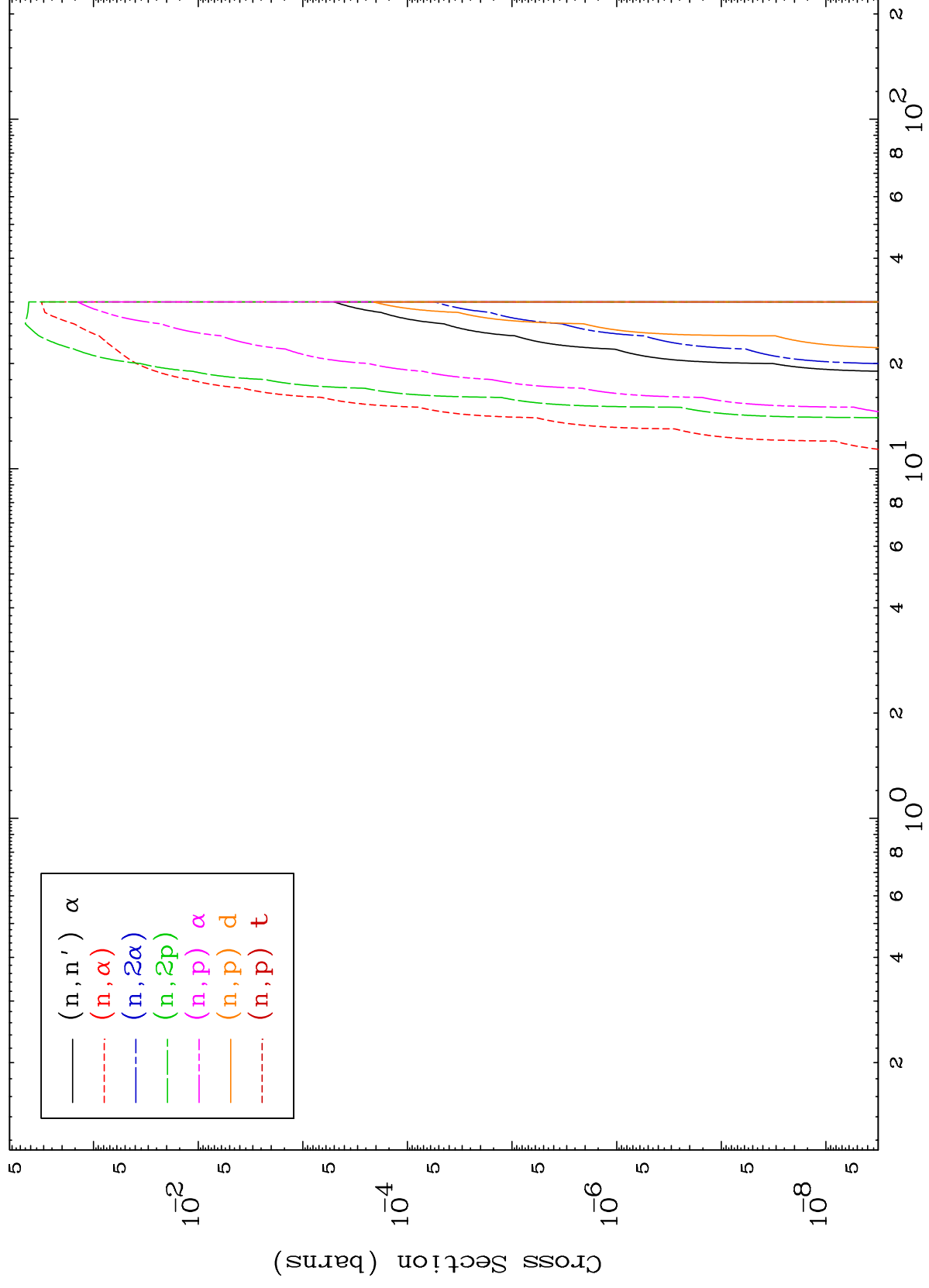
MAT 6286

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

63-Eu-138





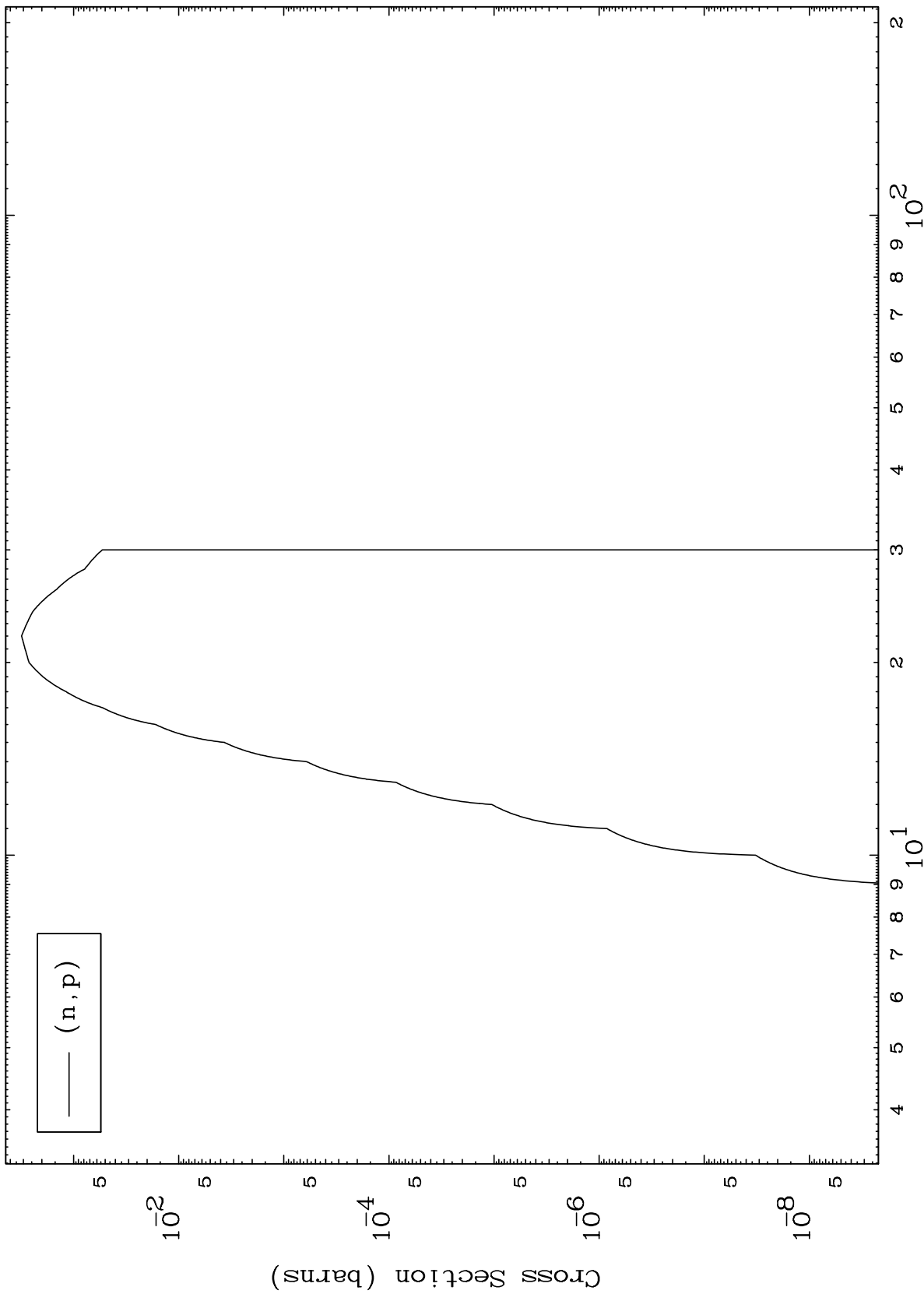


MAT 6286

( $\alpha, p$ ) Levels

63-Eu-138

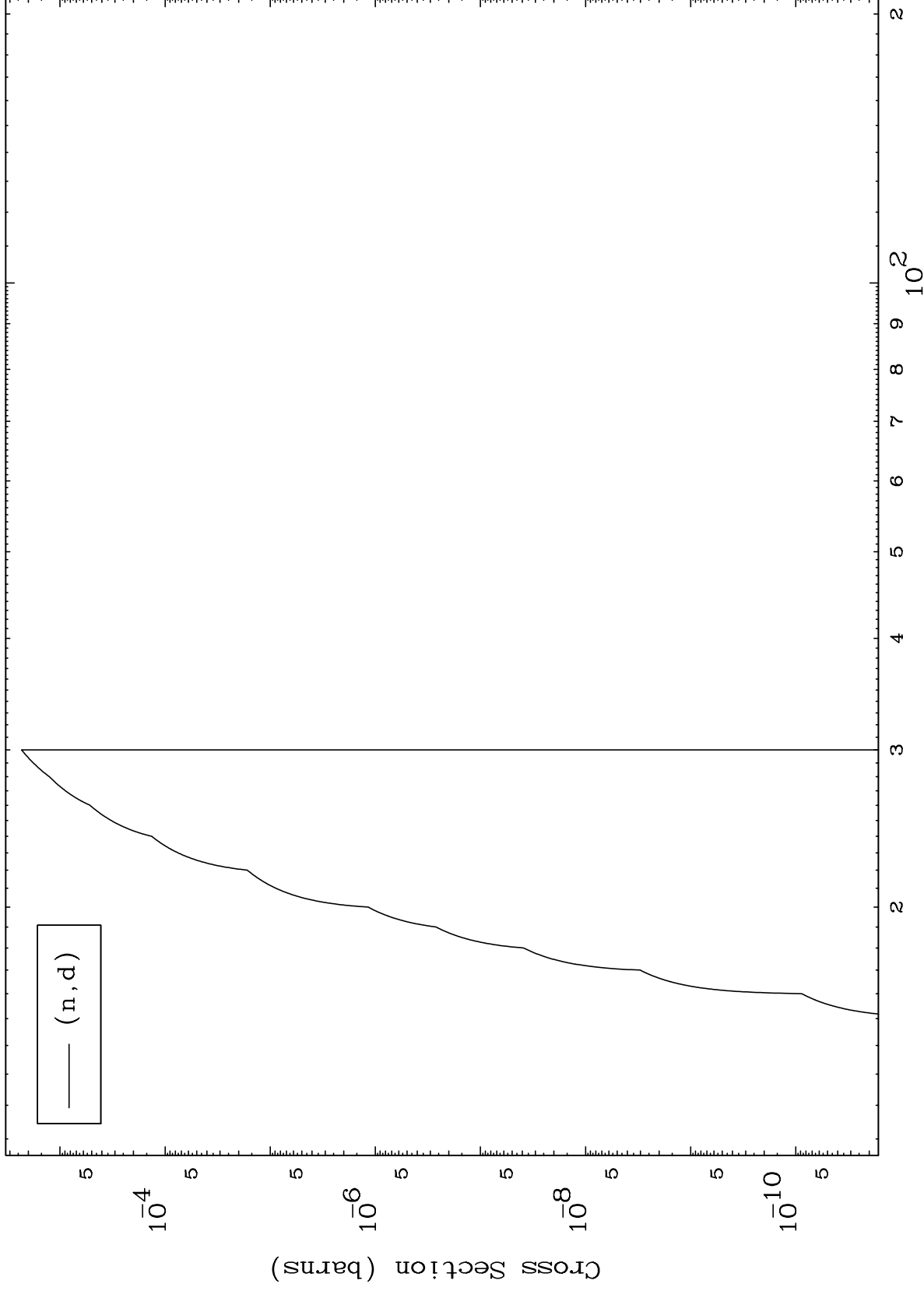
0 Kelvin Cross Sections



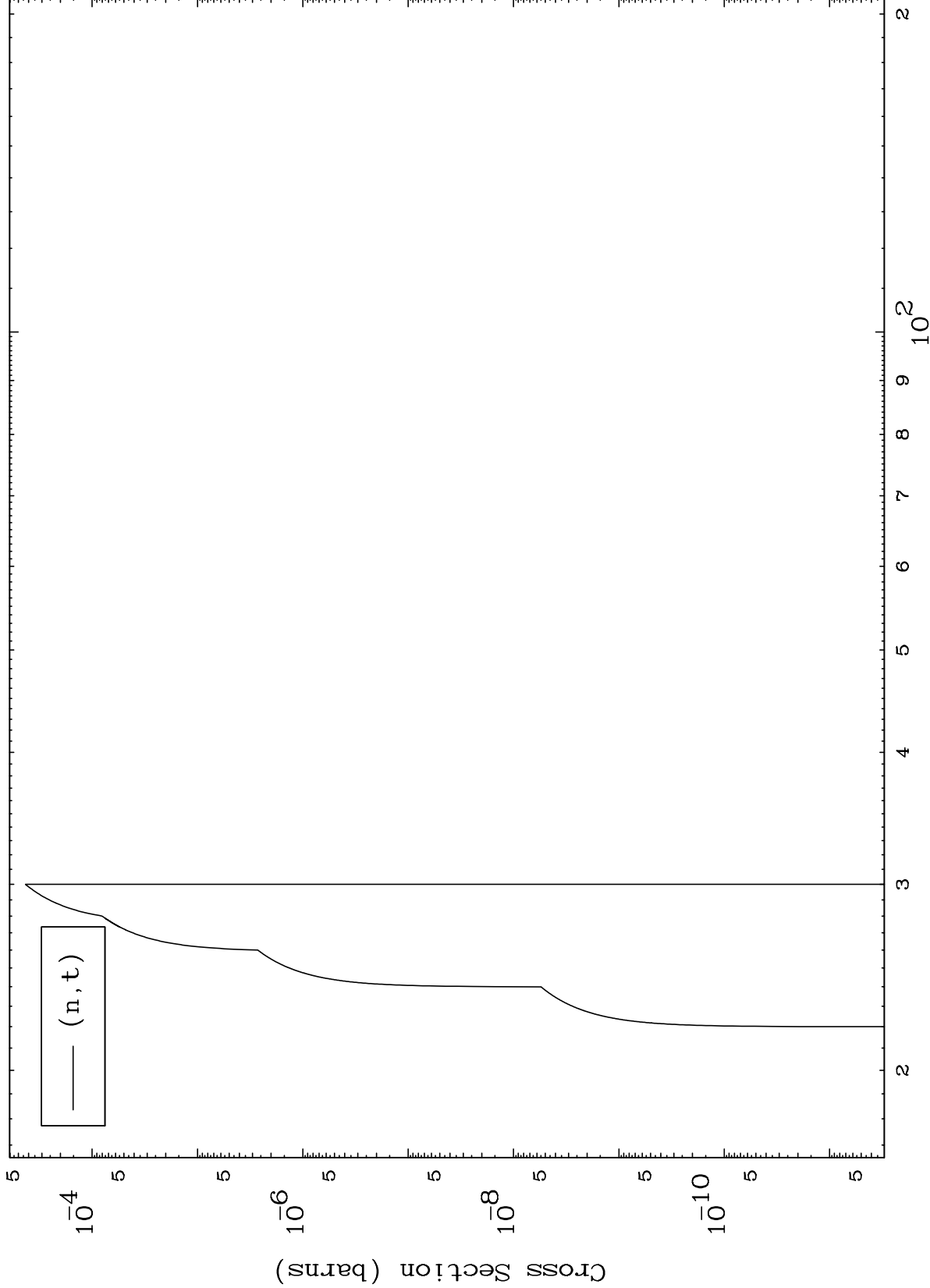
6

Incident Energy (MeV)

63-Eu-138



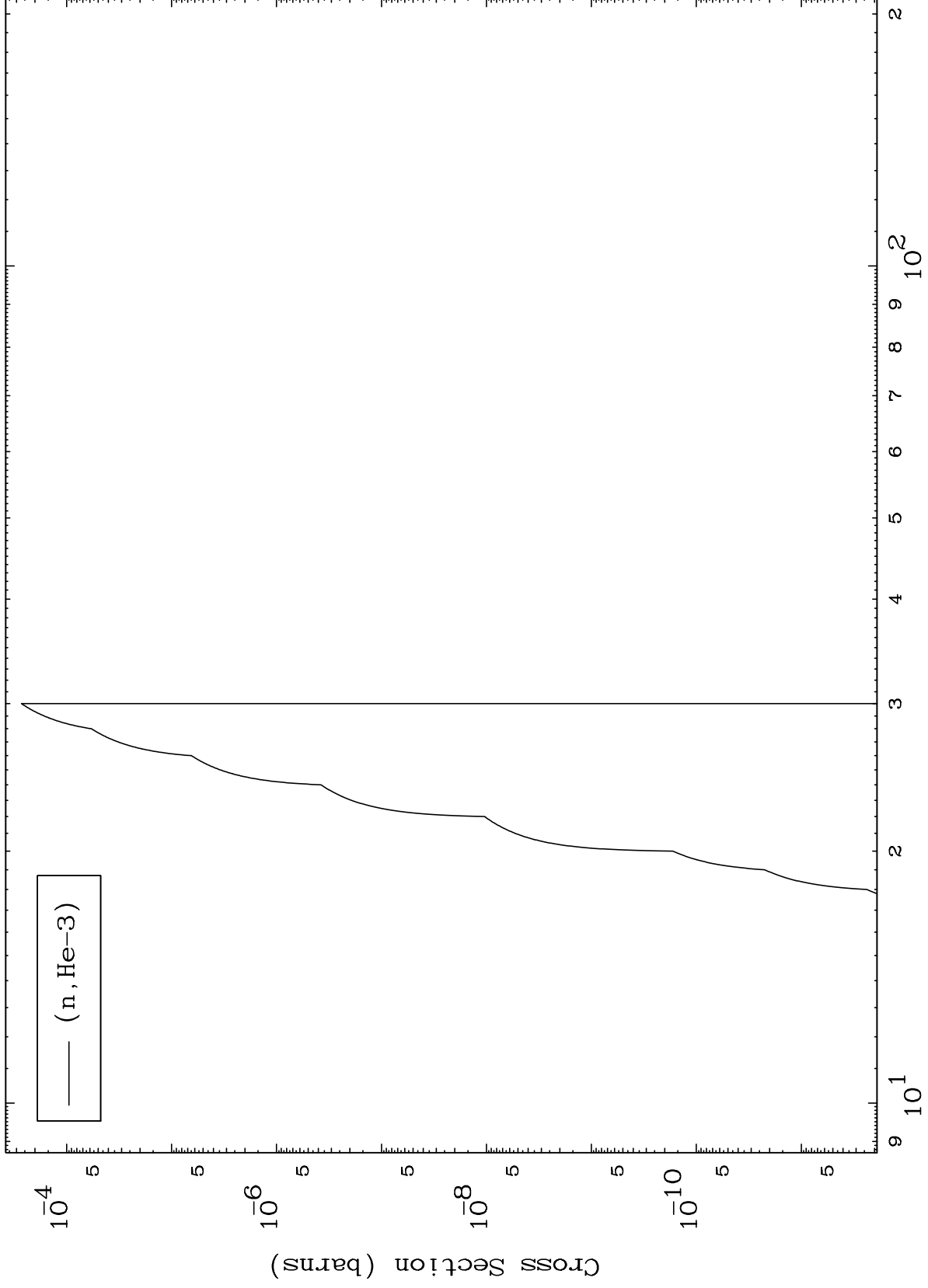




MAT 6286

( $\alpha, \text{He3}$ ) Levels  
0 Kelvin Cross Sections

63-Eu-138



9

Incident Energy (MeV)

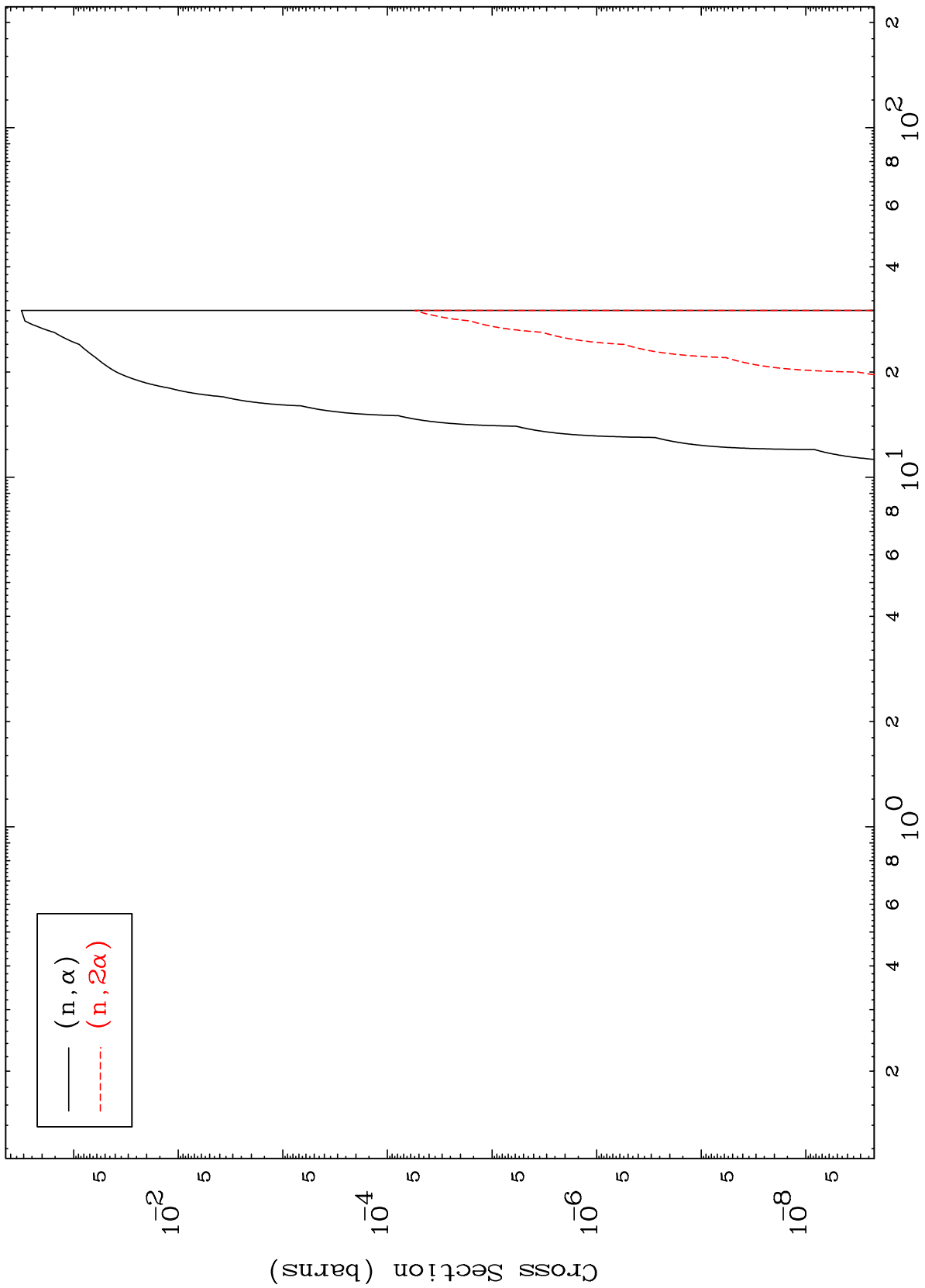
63-Eu-138

MAT 6286

( $\alpha, \alpha$ ) Levels

63-Eu-138

0 Kelvin Cross Sections



— ( $n, \alpha$ )  
- - - ( $n, 2\alpha$ )

10

Incident Energy (MeV)

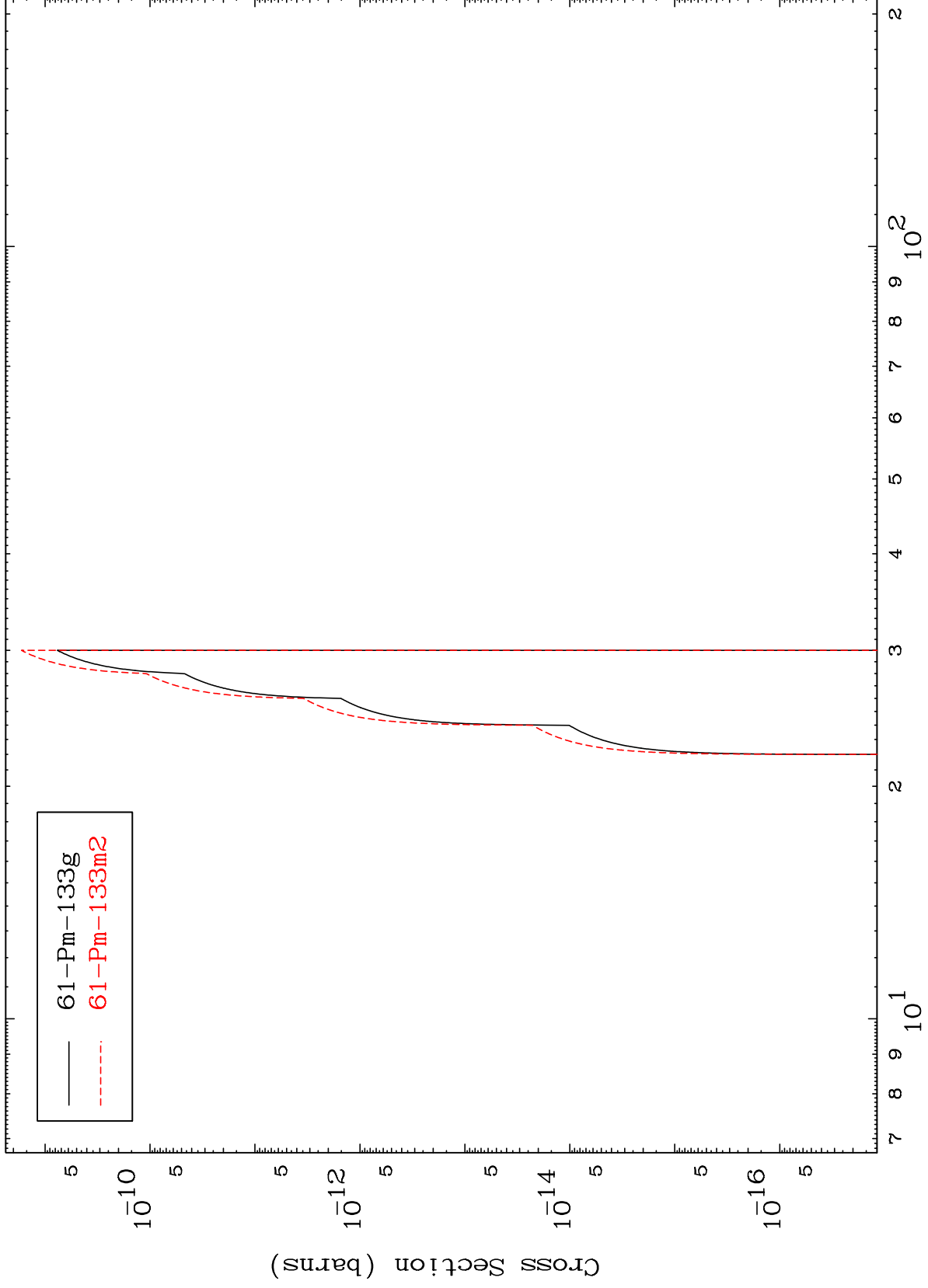
63-Eu-138

MAT 6286

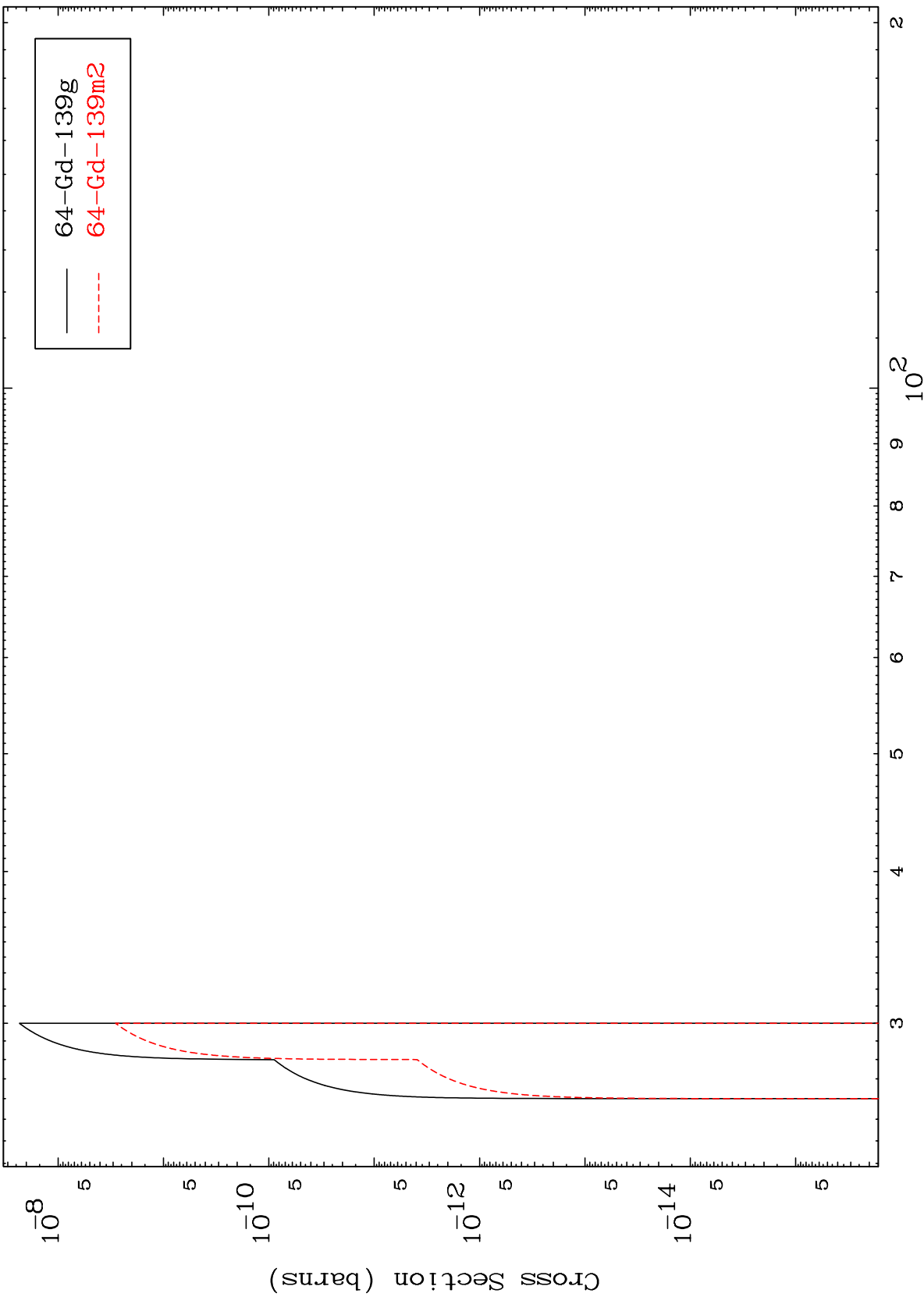
(n,n') 2α

63-Eu-138

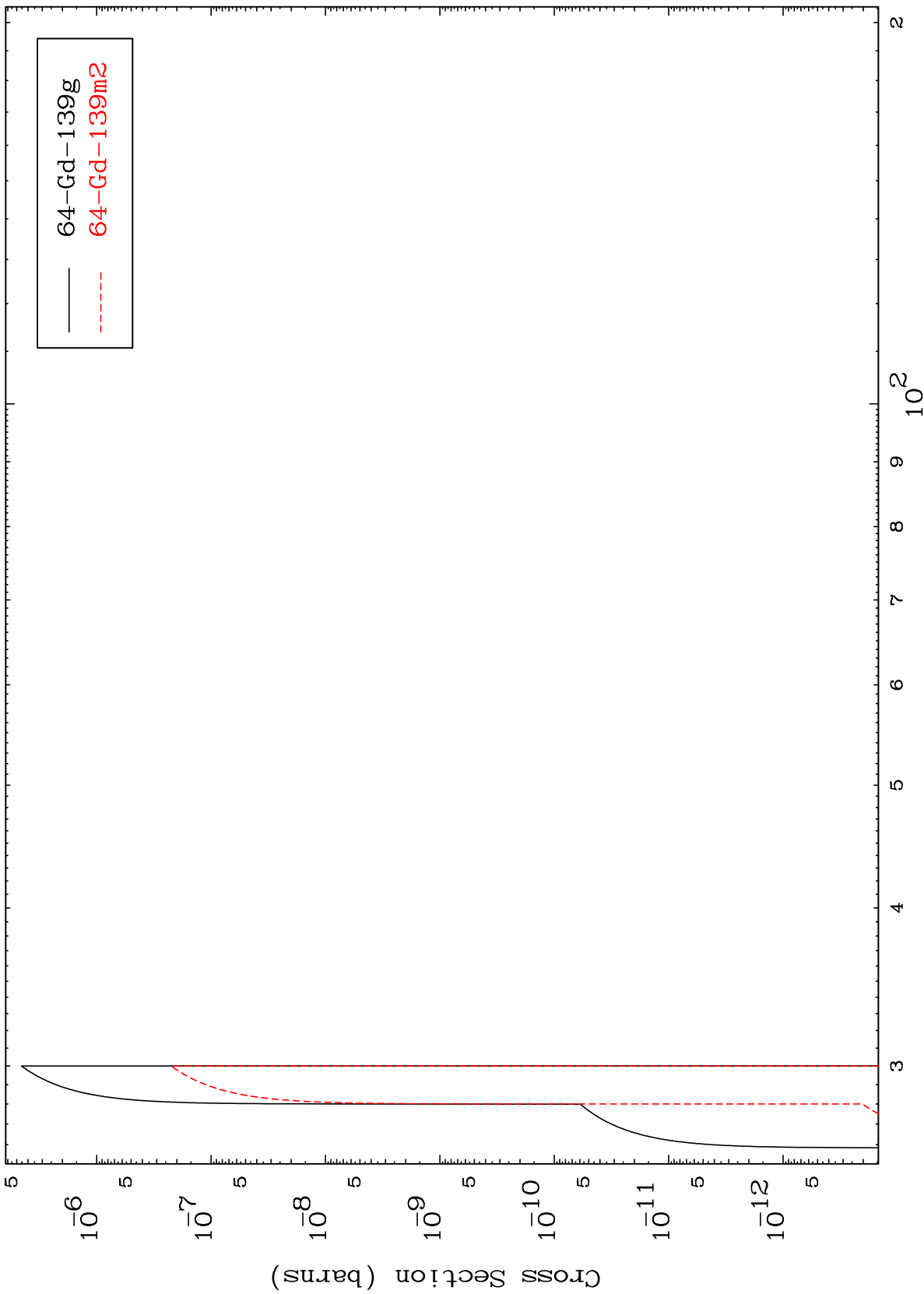
Radionuclide Production Cross Section



Radionuclide Production Cross Section



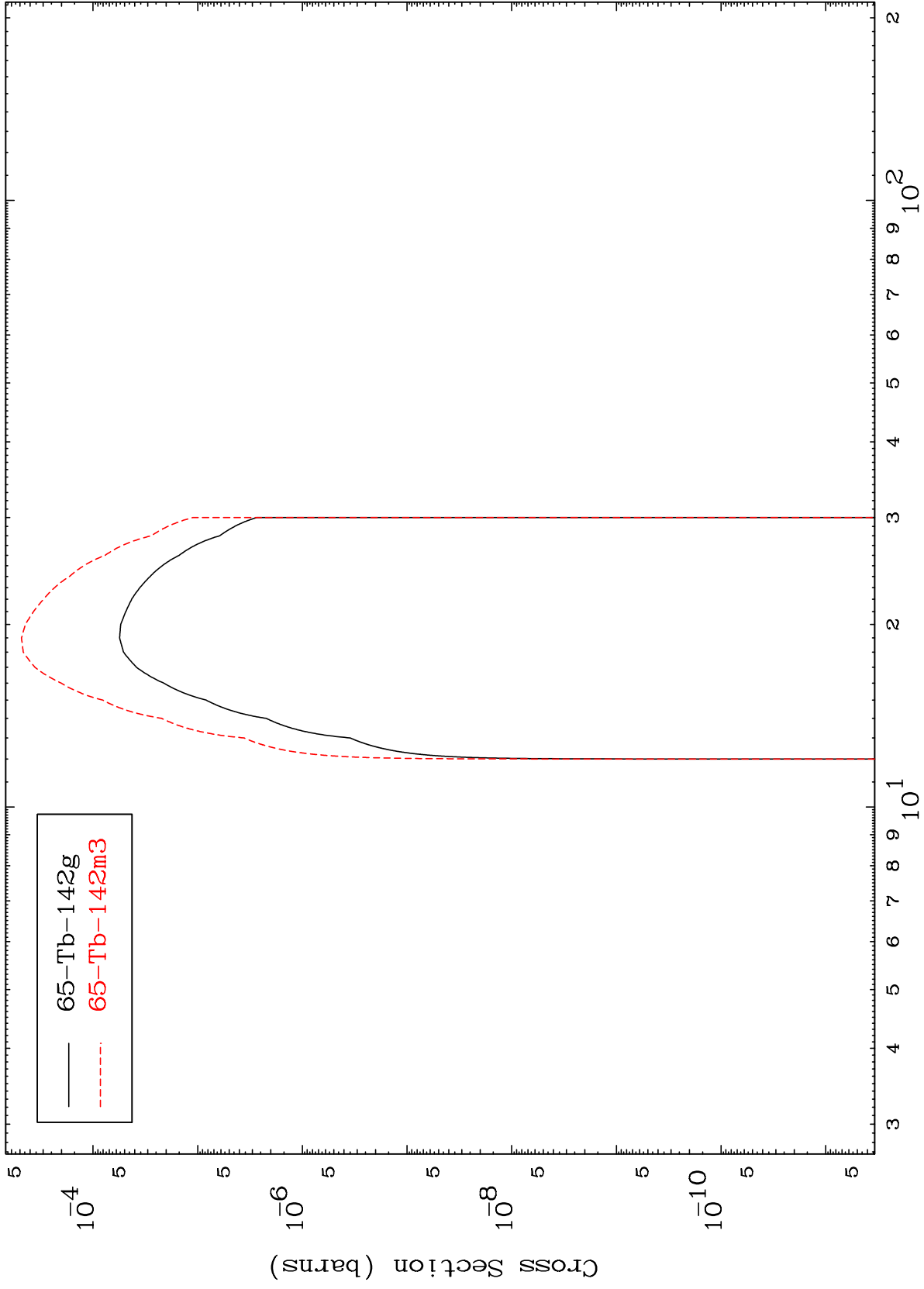
Radionuclide Production Cross Section



MAT 6286

63-Eu-138

(n,γ)  
Radionuclide Production Cross Section



14

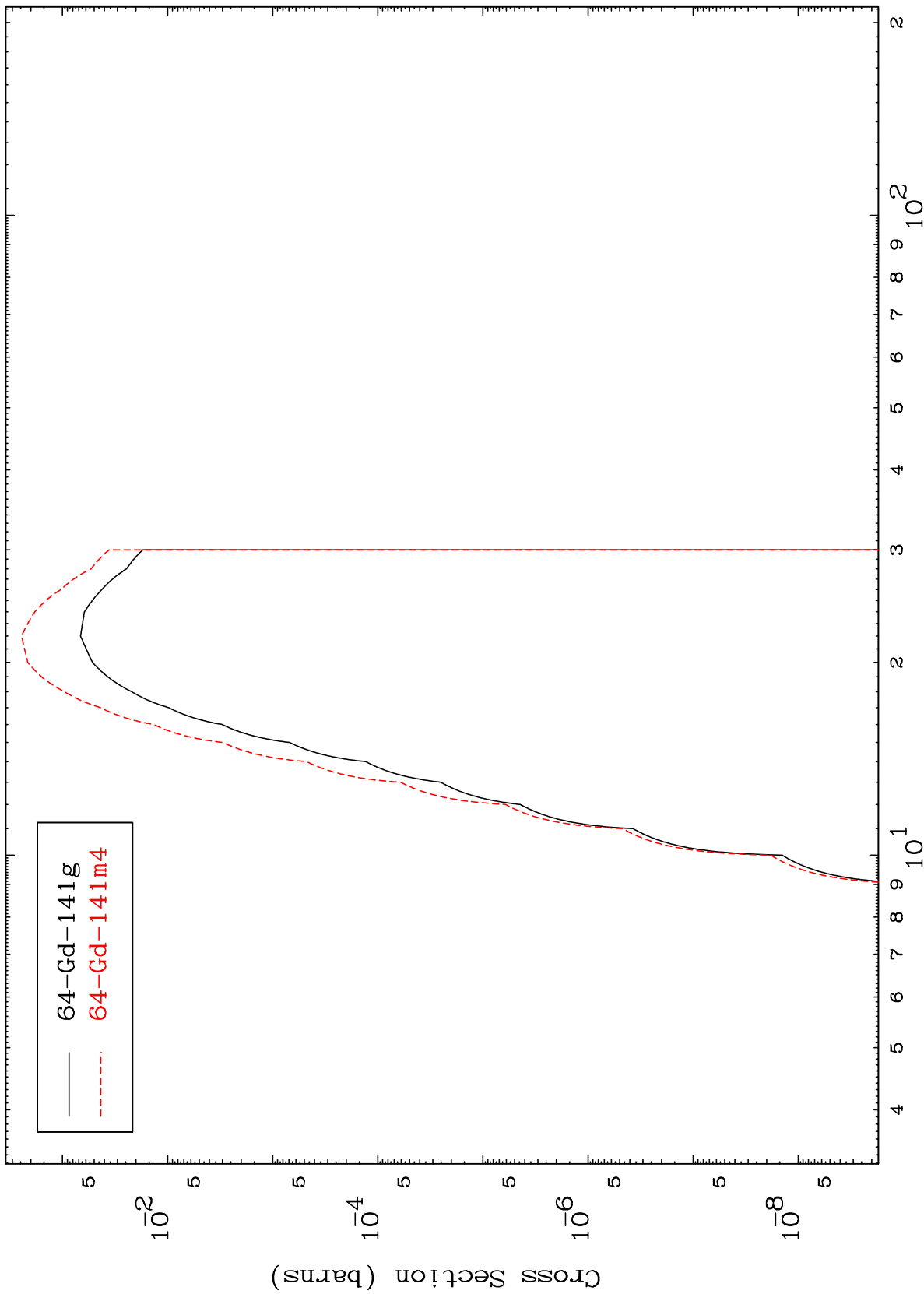
Incident Energy (MeV)

63-Eu-138

MAT 6286

63-Eu-138

(n,p)  
Radionuclide Production Cross Section



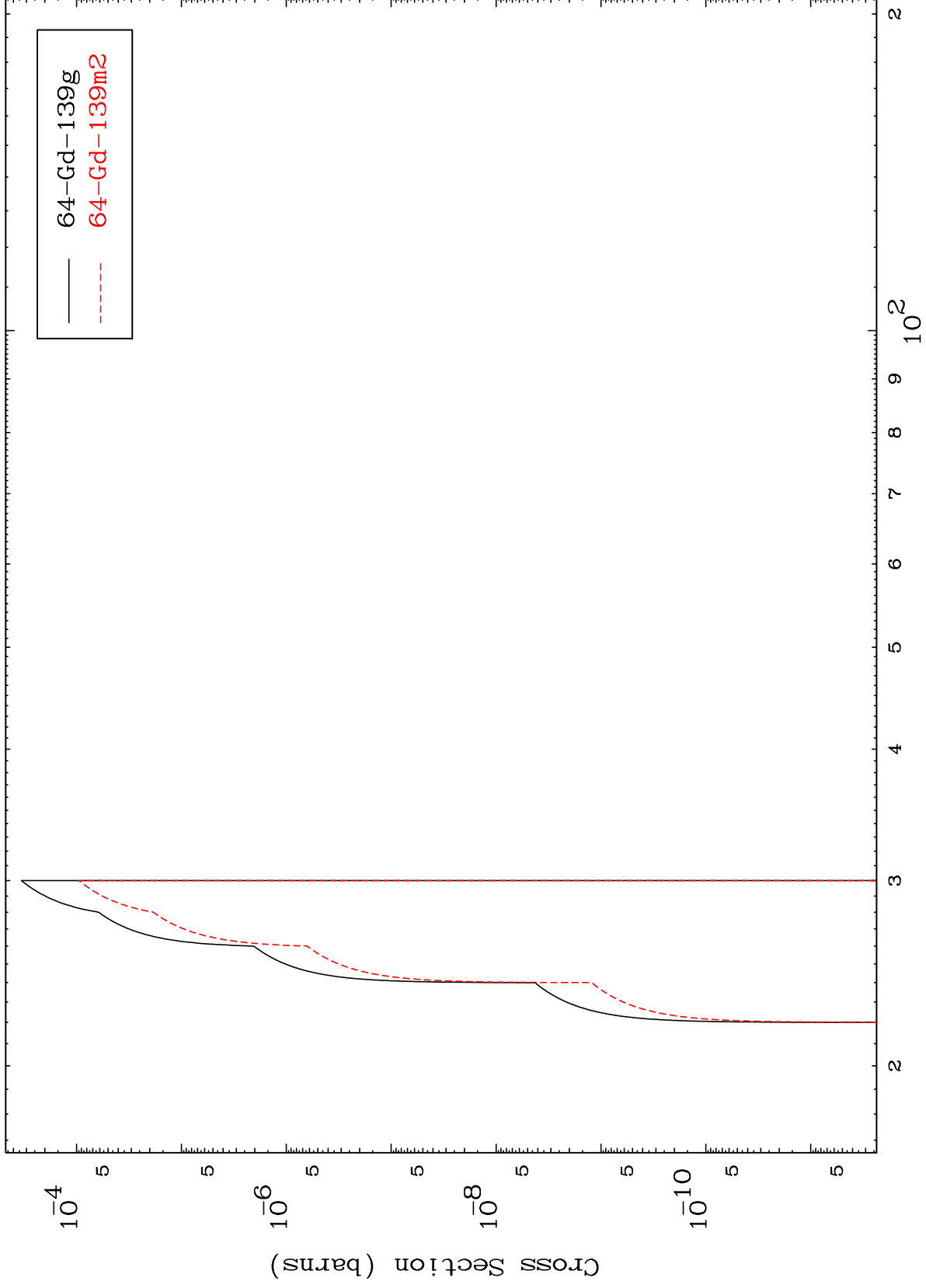
15

63-Eu-138

Incident Energy (MeV)



(n, t)  
Radionuclide Production Cross Section



MAT 6286

(n,2α)

63-Eu-138

