

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)

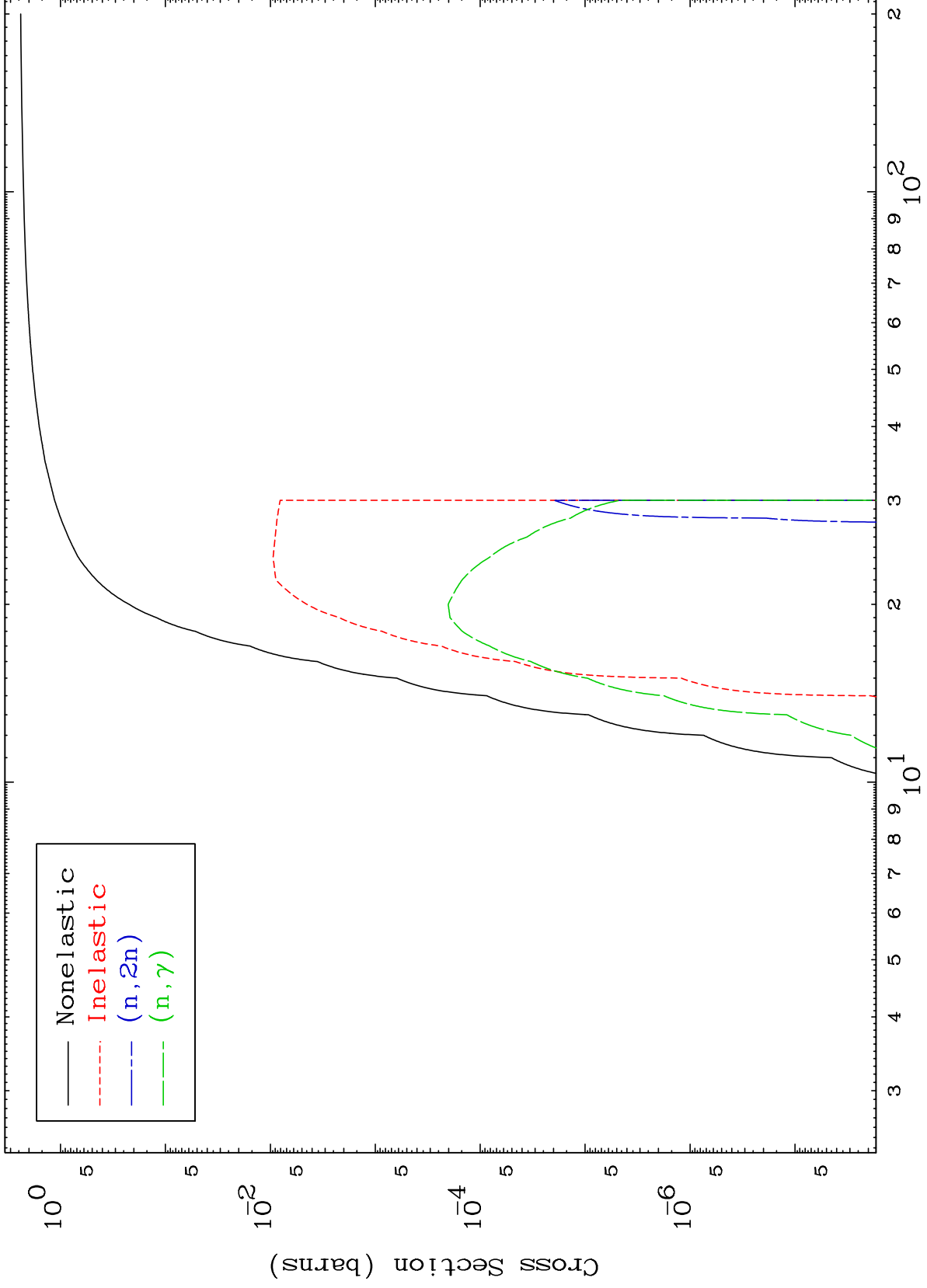
Press Mouse Button to Start

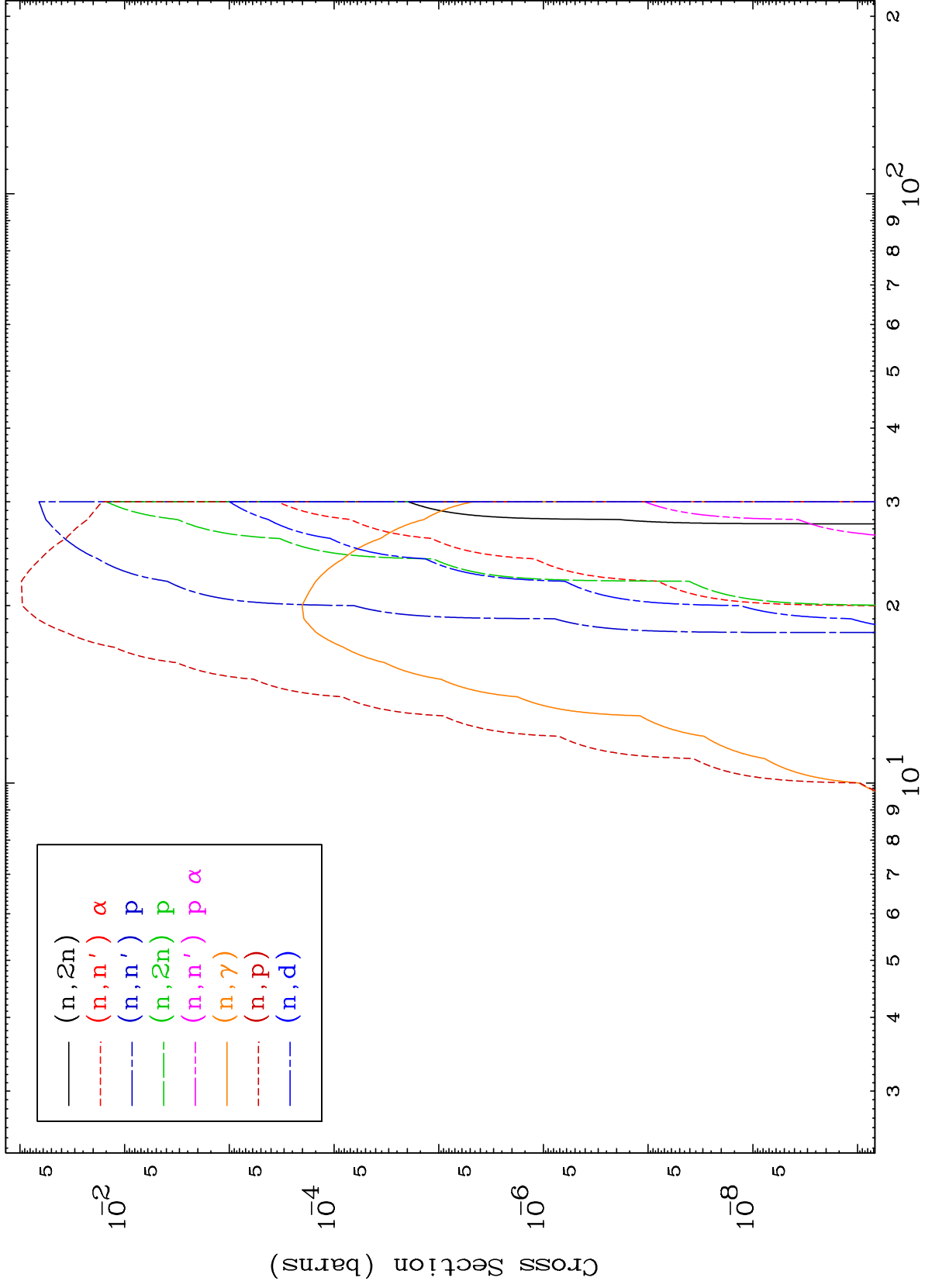
MAT 6781

0 Kelvin Cross Sections

$\alpha$  Major

68-Er-147m

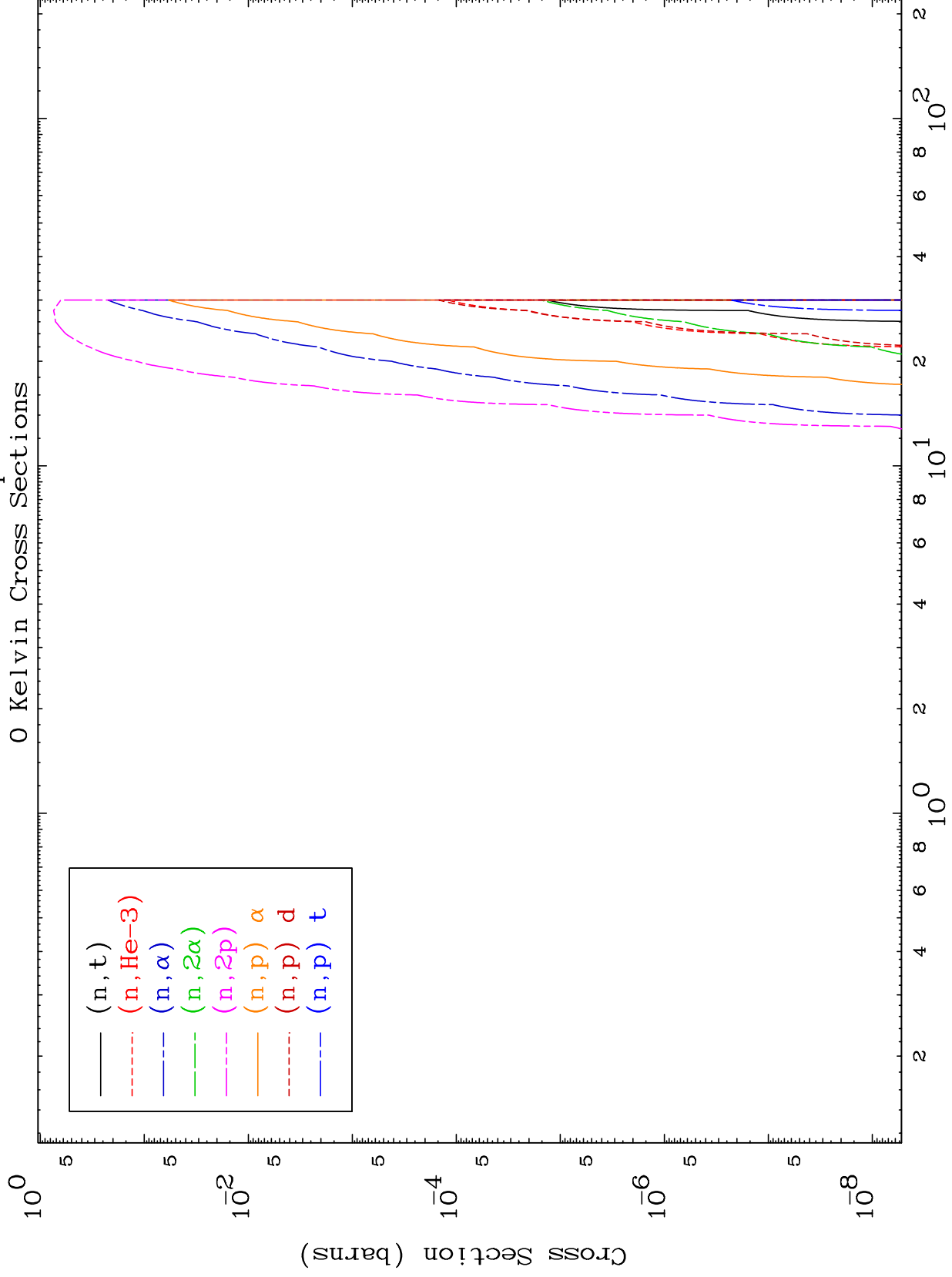




MAT 6781

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

68-Er-147m

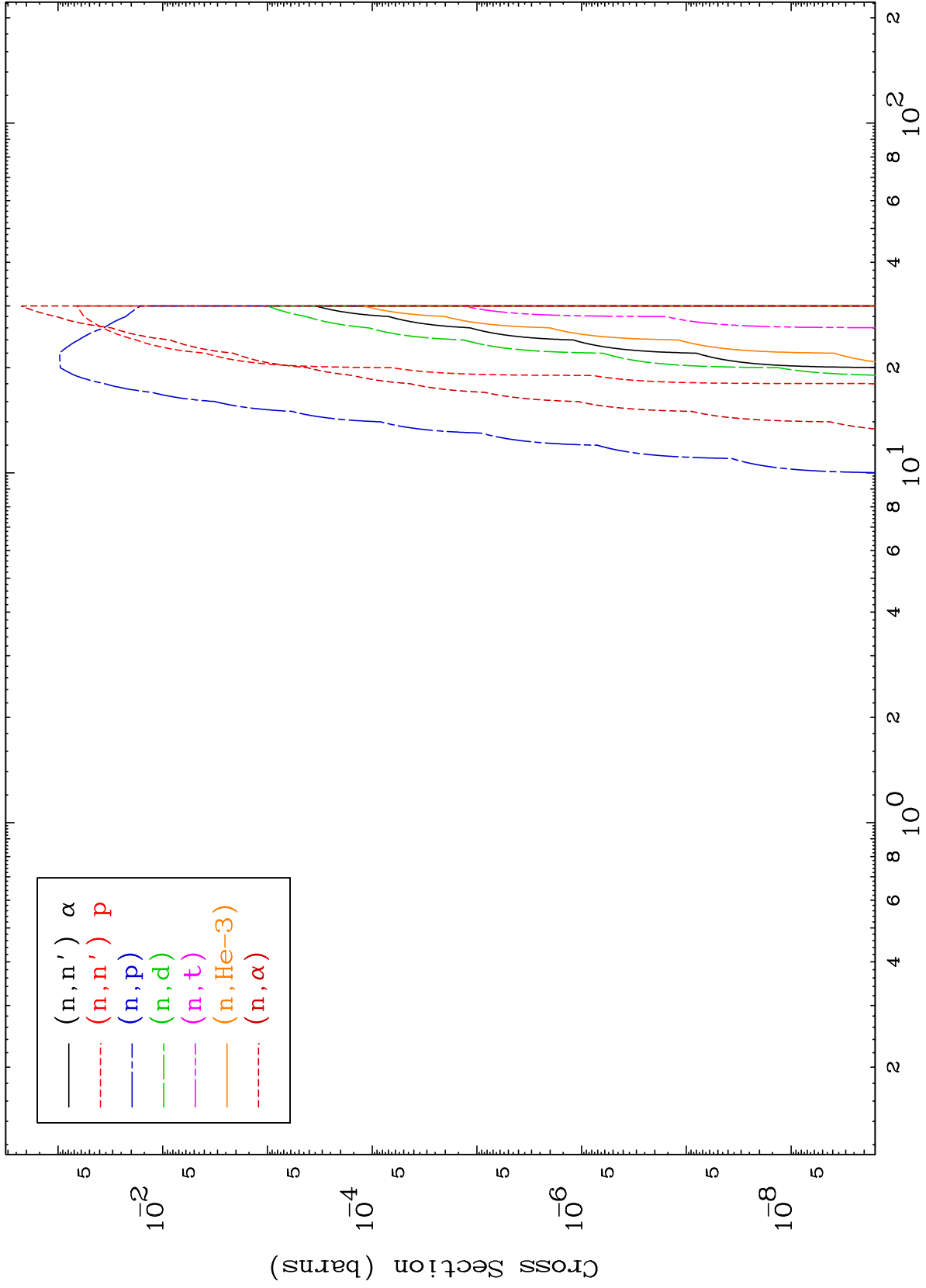


MAT 6781

$\alpha$  Charged Particle

68-Er-147m

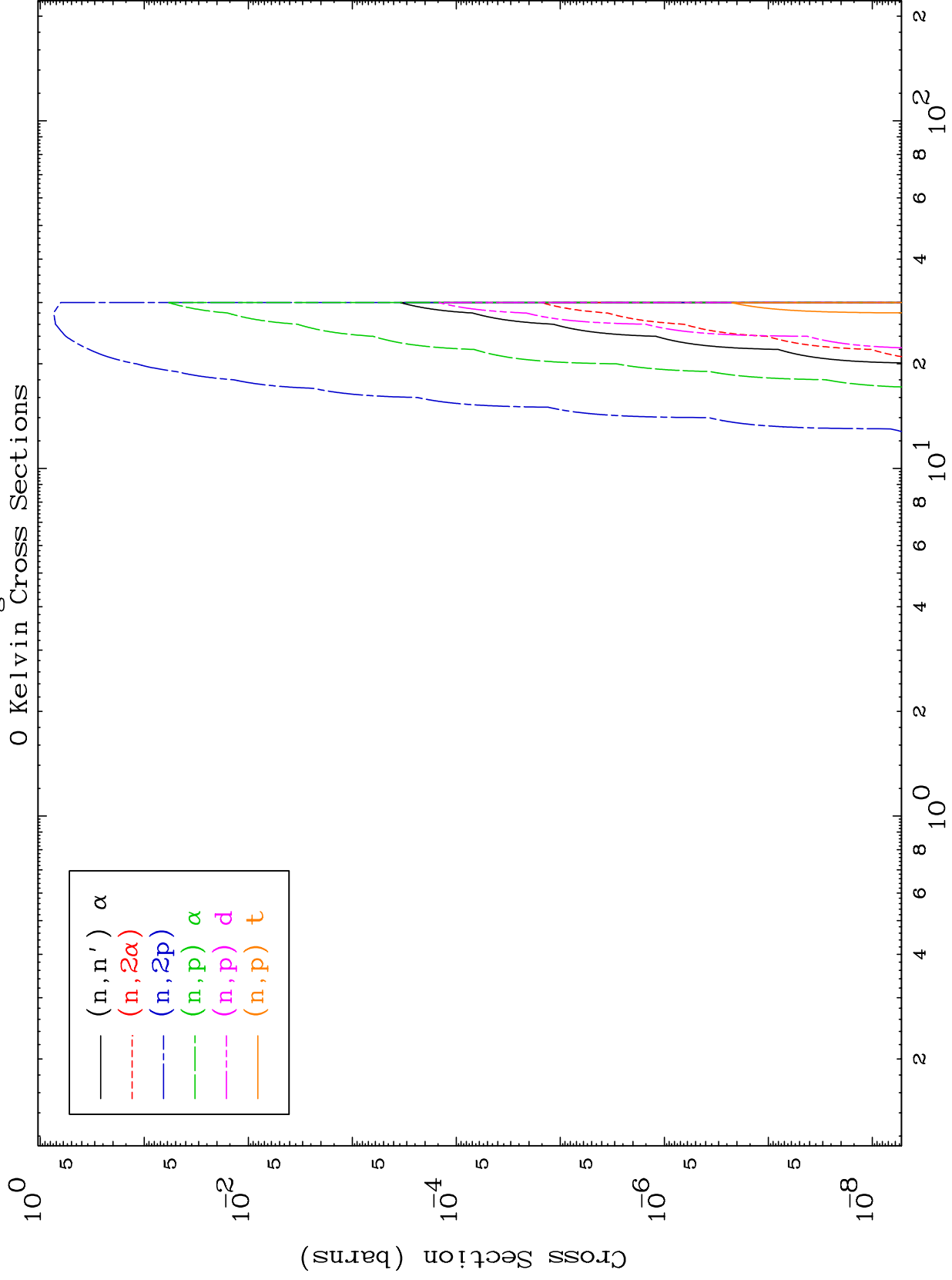
0 Kelvin Cross Sections



MAT 6781

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

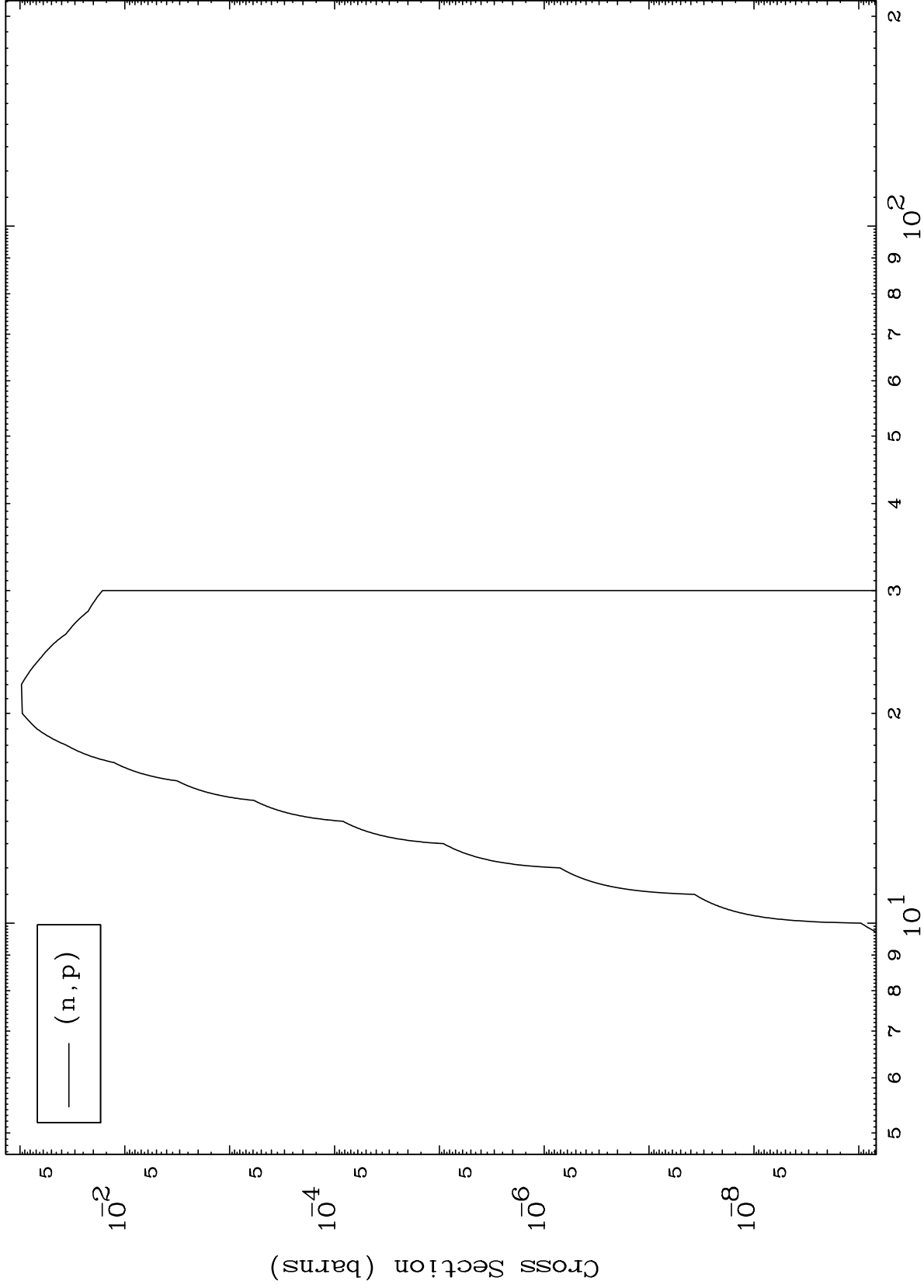
68-Er-147m



MAT 6781

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

68-Er-147m



6

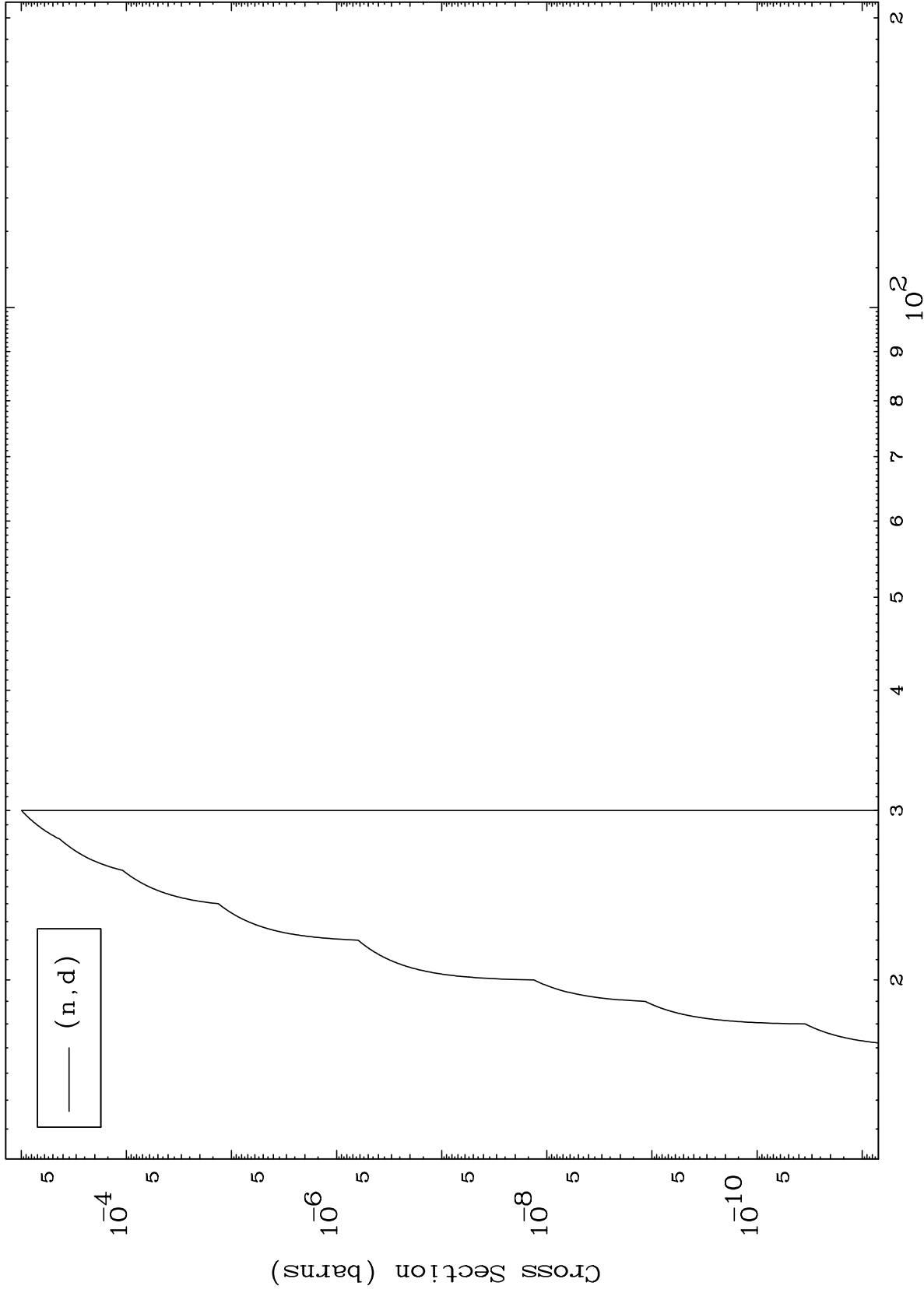
Incident Energy (MeV)

68-Er-147m

MAT 6781

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

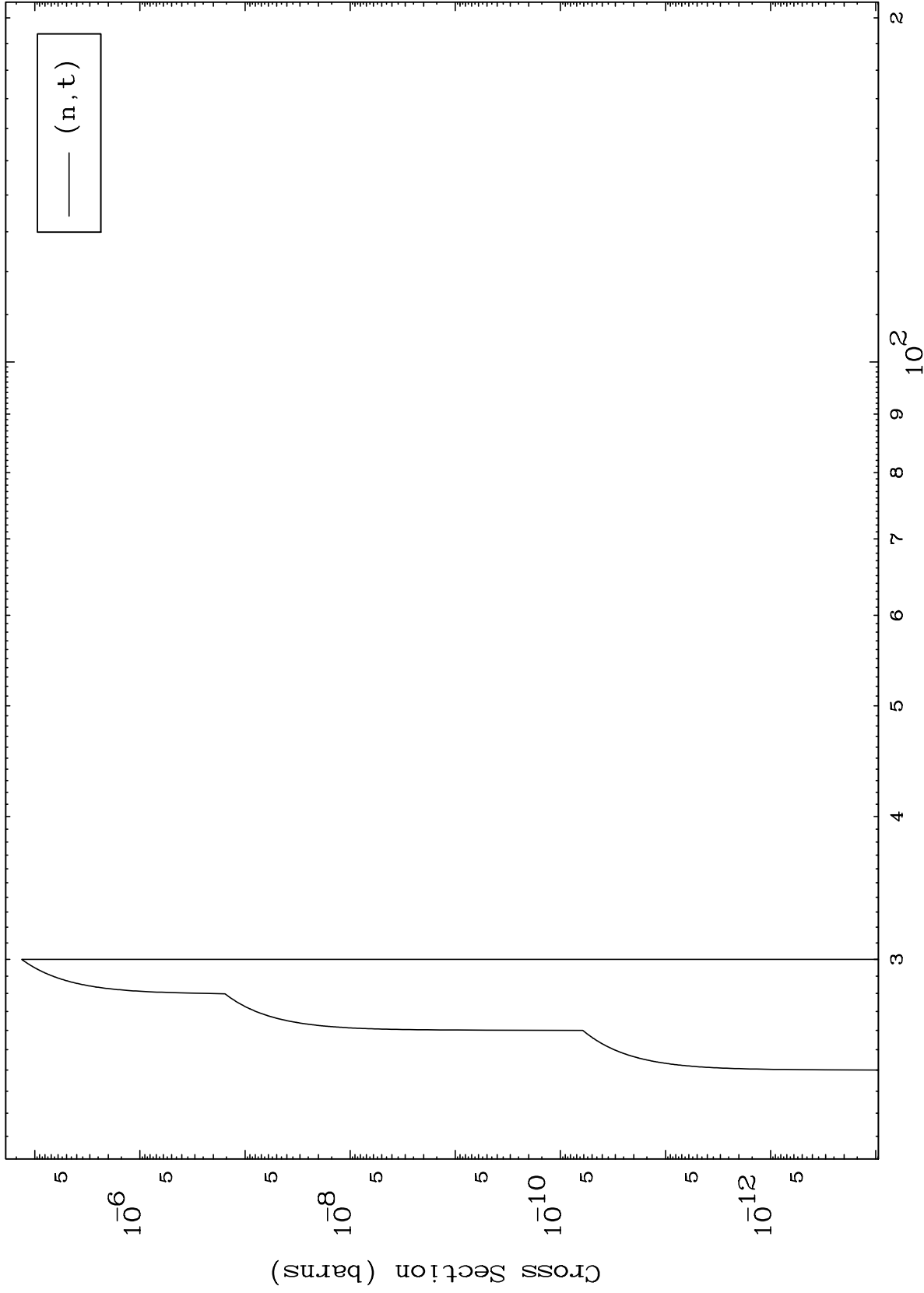
68-Er-147m



7

Incident Energy (MeV)

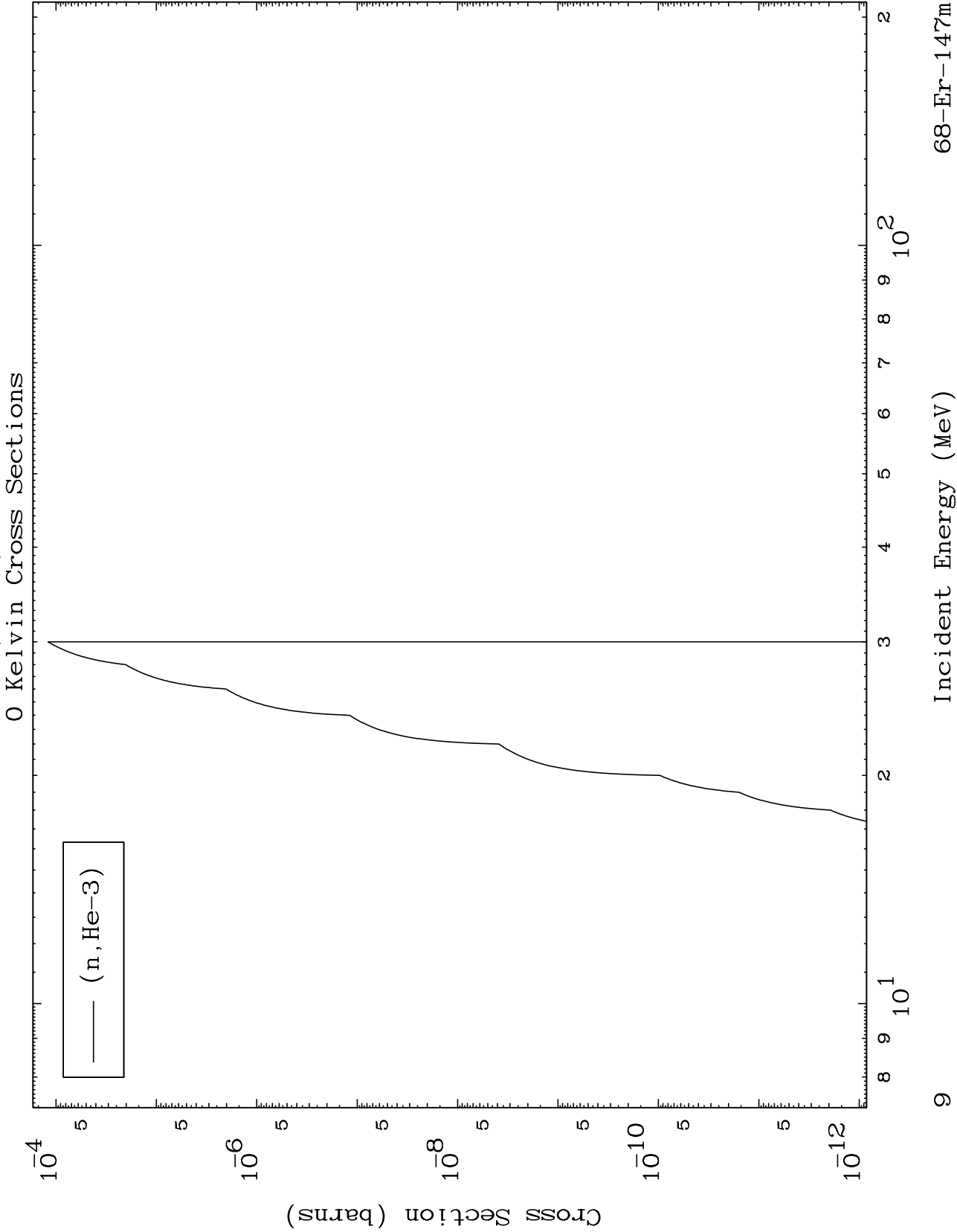
68-Er-147m



MAT 6781

( $\alpha, \text{He}3$ ) Levels

68-Er-147m



9

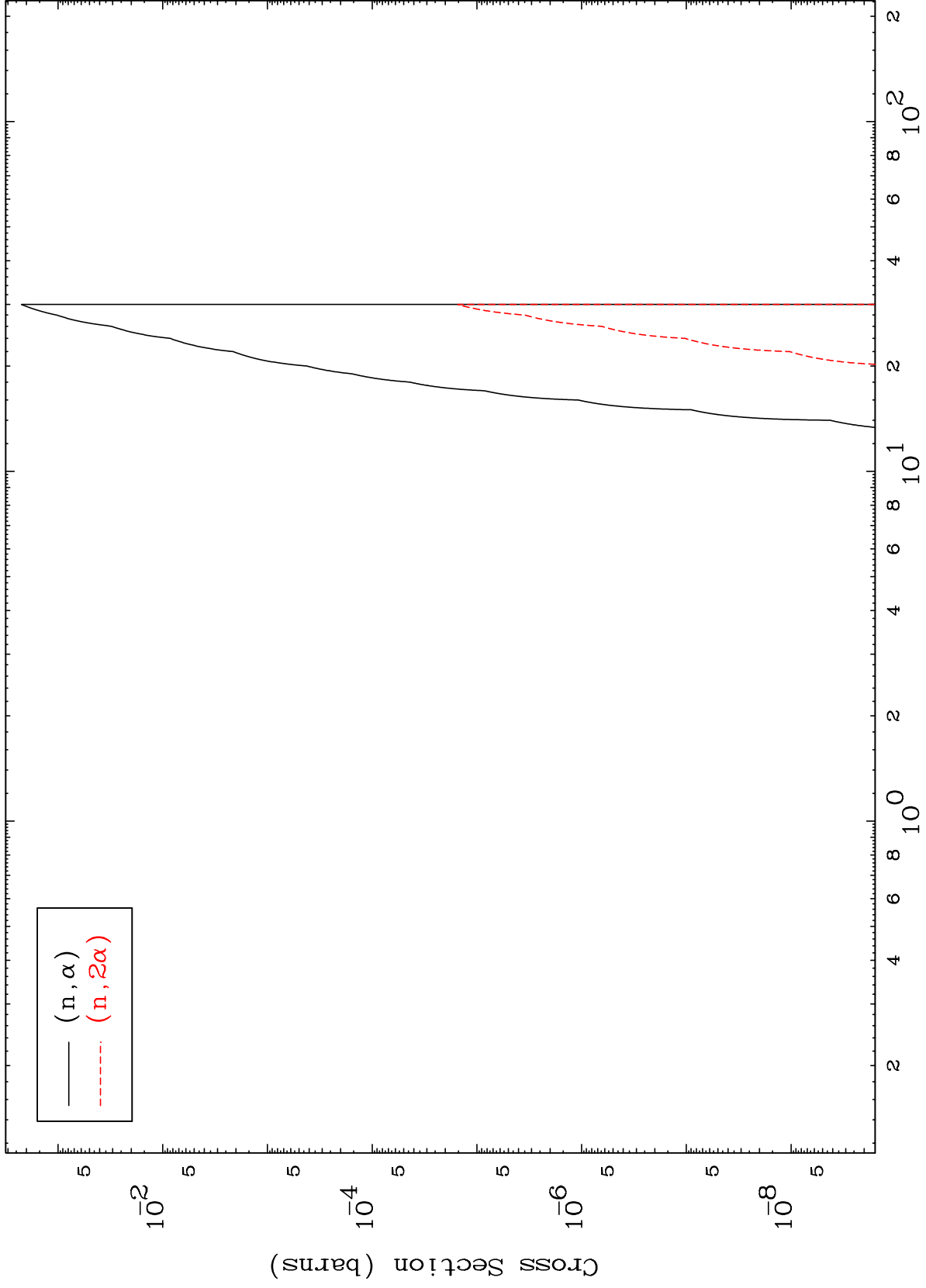
Incident Energy (MeV)

68-Er-147m

MAT 6781

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

68-Er-147m



10

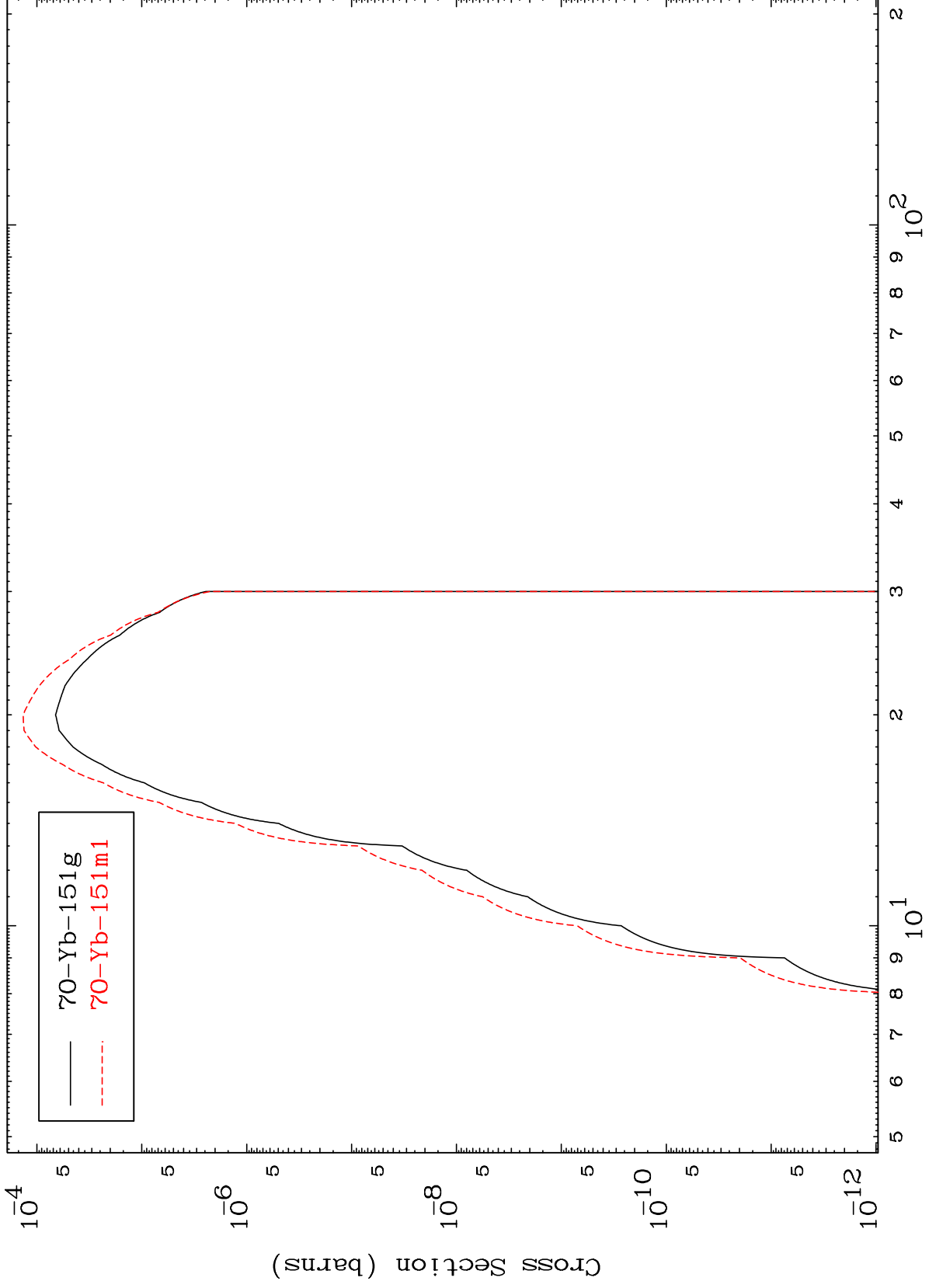
Incident Energy (MeV)

68-Er-147m

MAT 6781

68-Er-147m

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



11

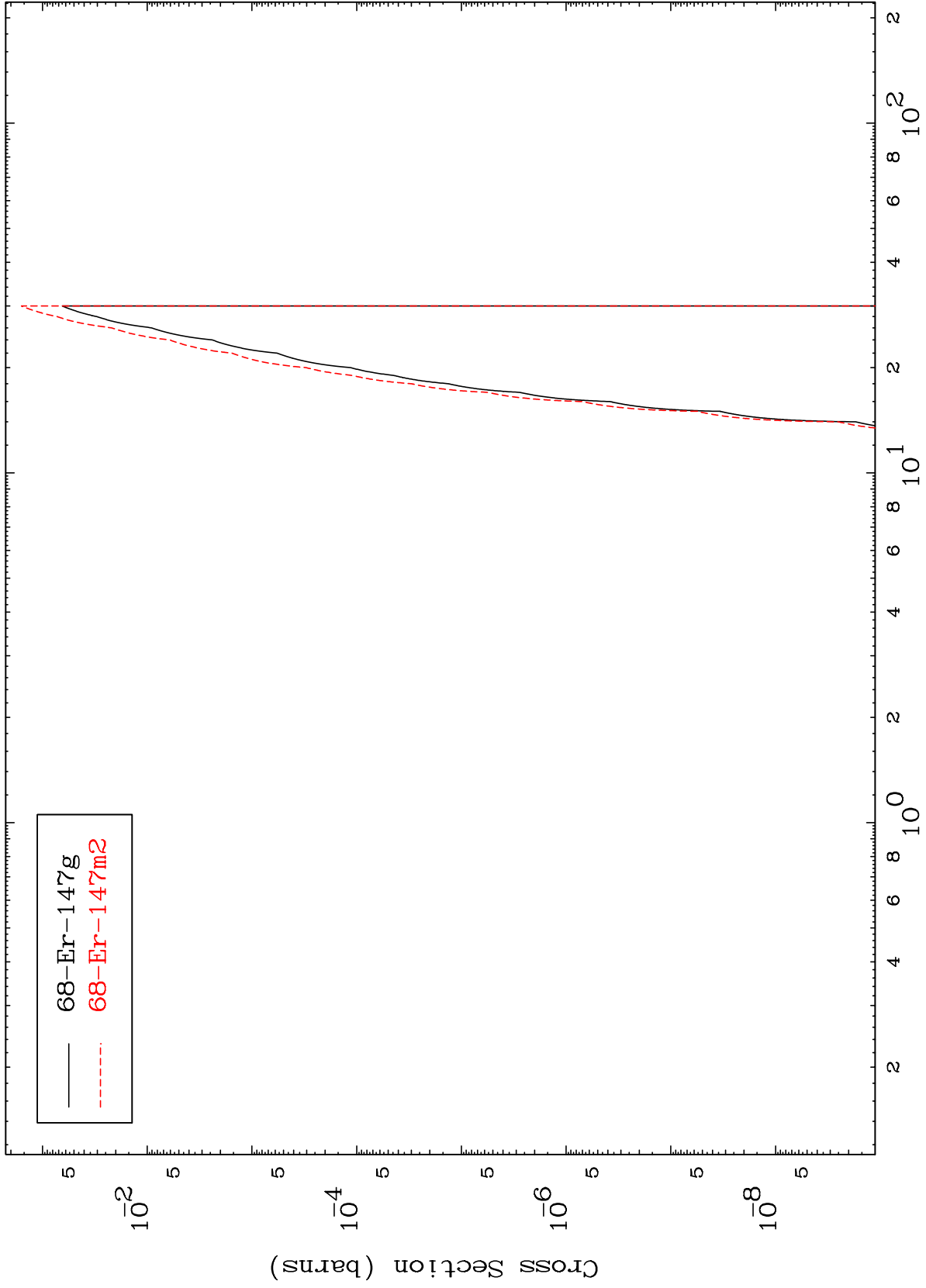
Incident Energy (MeV)

68-Er-147m

MAT 6781

68-Er-147m

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



12

Incident Energy (MeV)

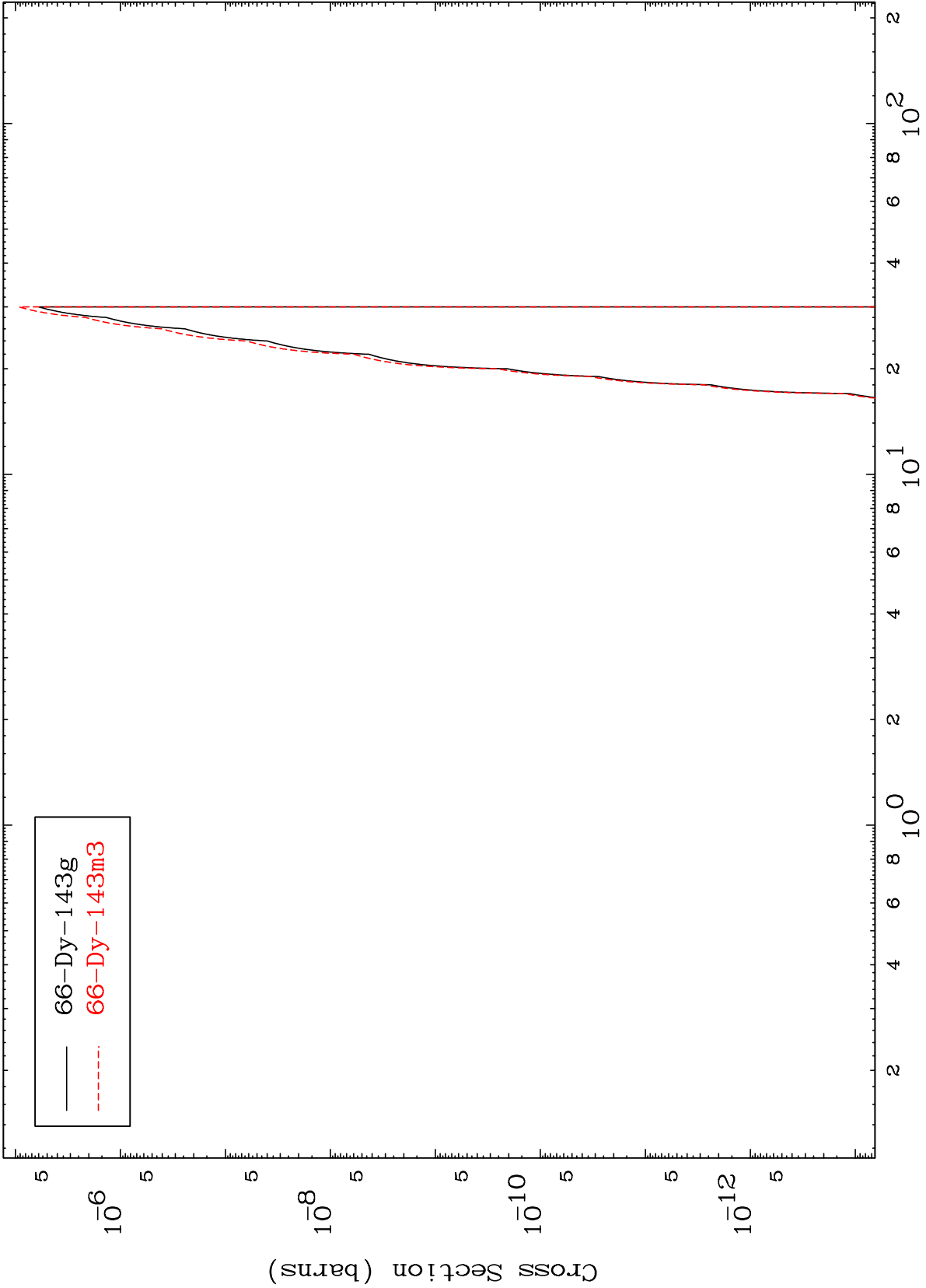
68-Er-147m

MAT 6781

(n,2α)

68-Er-147m

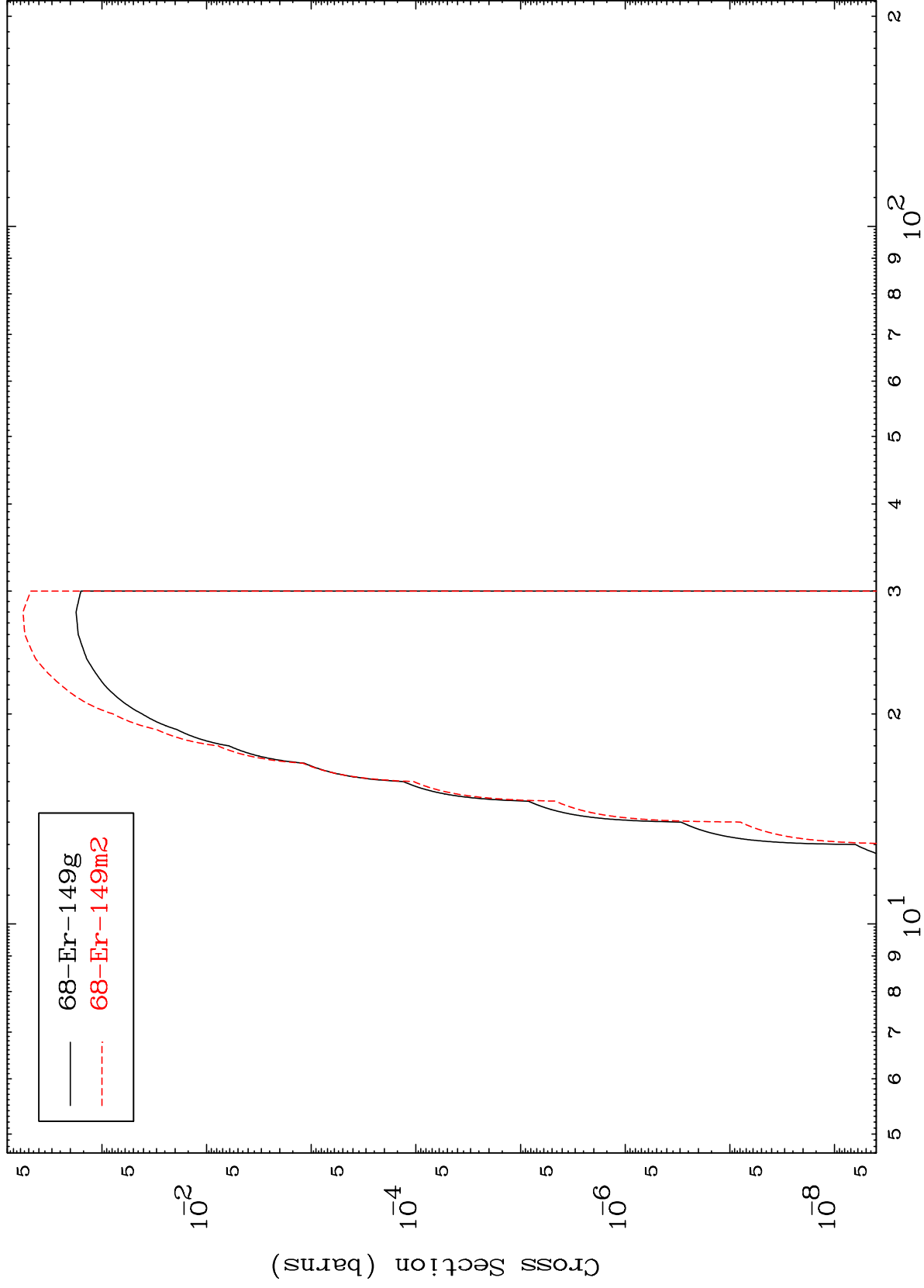
Radionuclide Production Cross Section



MAT 6781

68-Er-147m

(n,2p)  
Radionuclide Production Cross Section



68-Er-147m

Incident Energy (MeV)

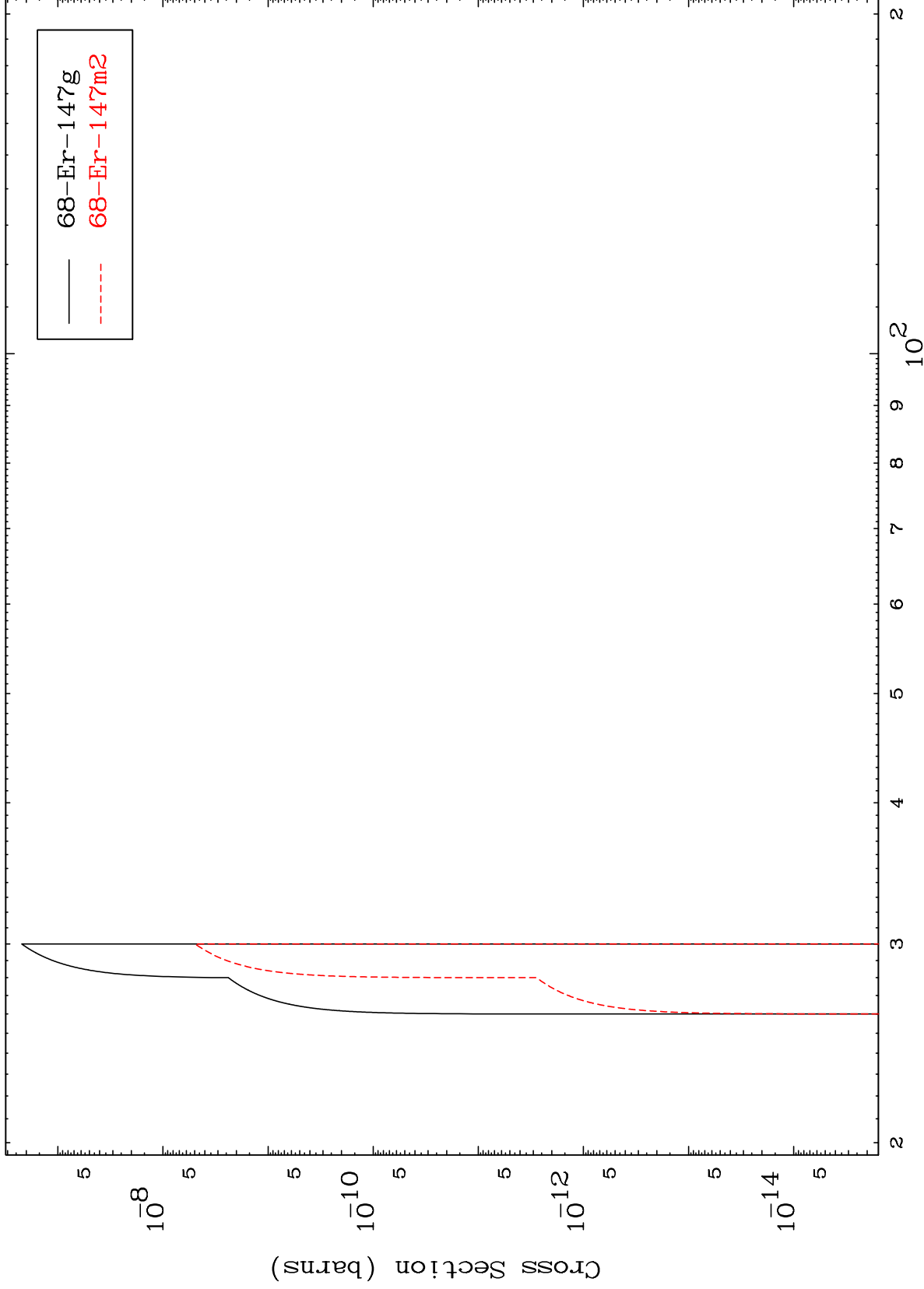
14

MAT 6781

(n,p) t

68-Er-147m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

68-Er-147m