

Program EVALPLOT  
(Version 2018-1)

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)

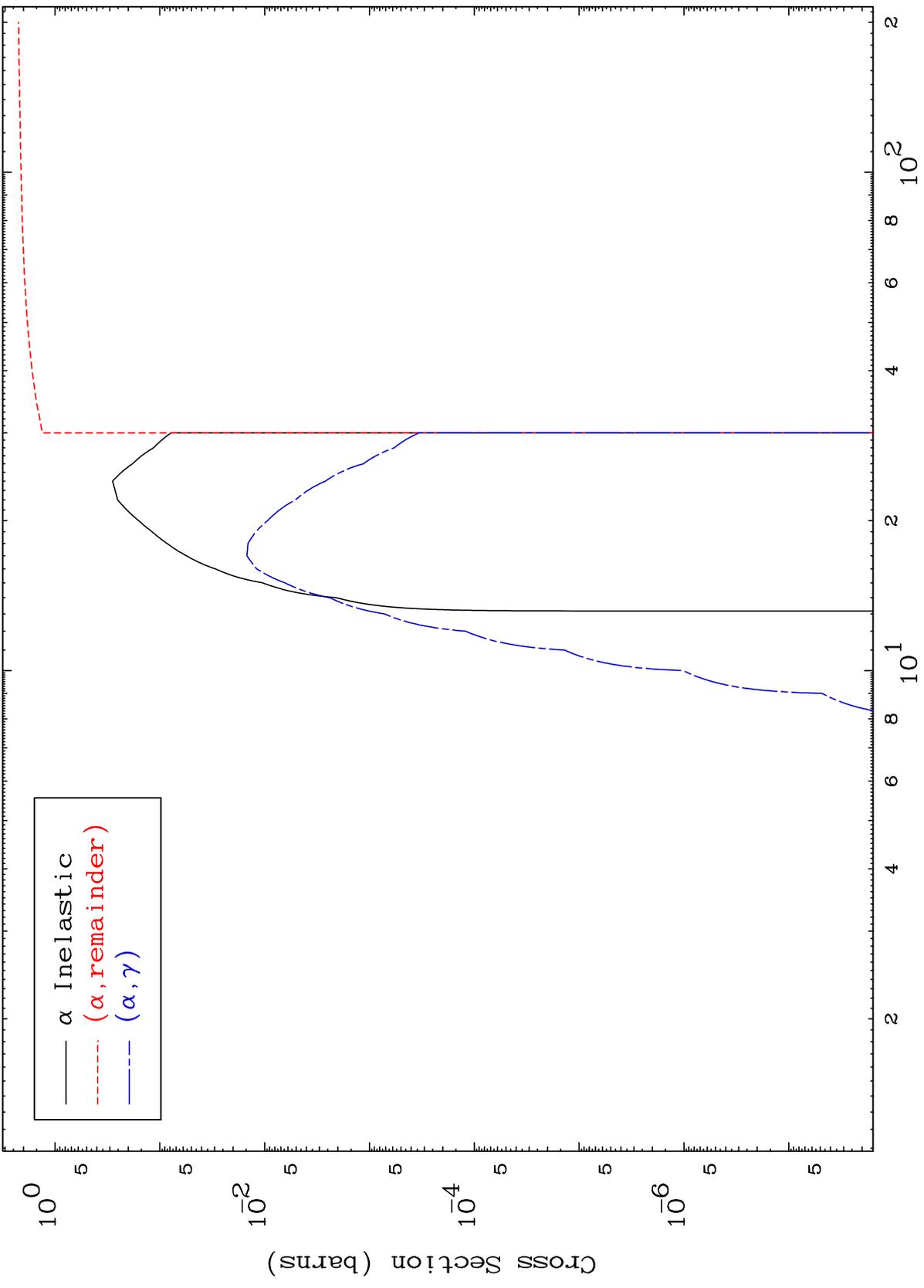
Press Mouse Button to Start

MAT 5607

$\alpha$  Major

56-Ba-124

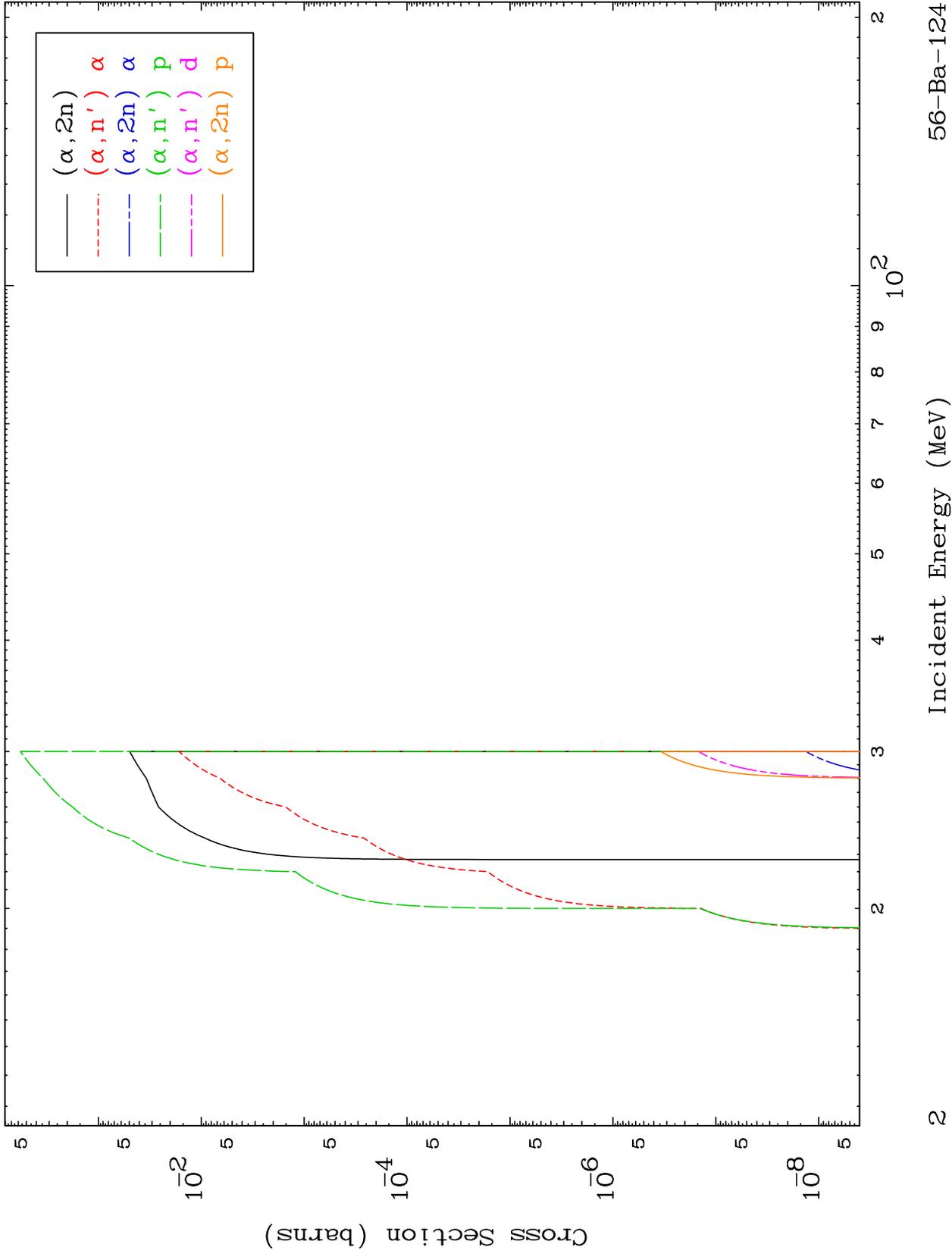
0 Kelvin Cross Sections

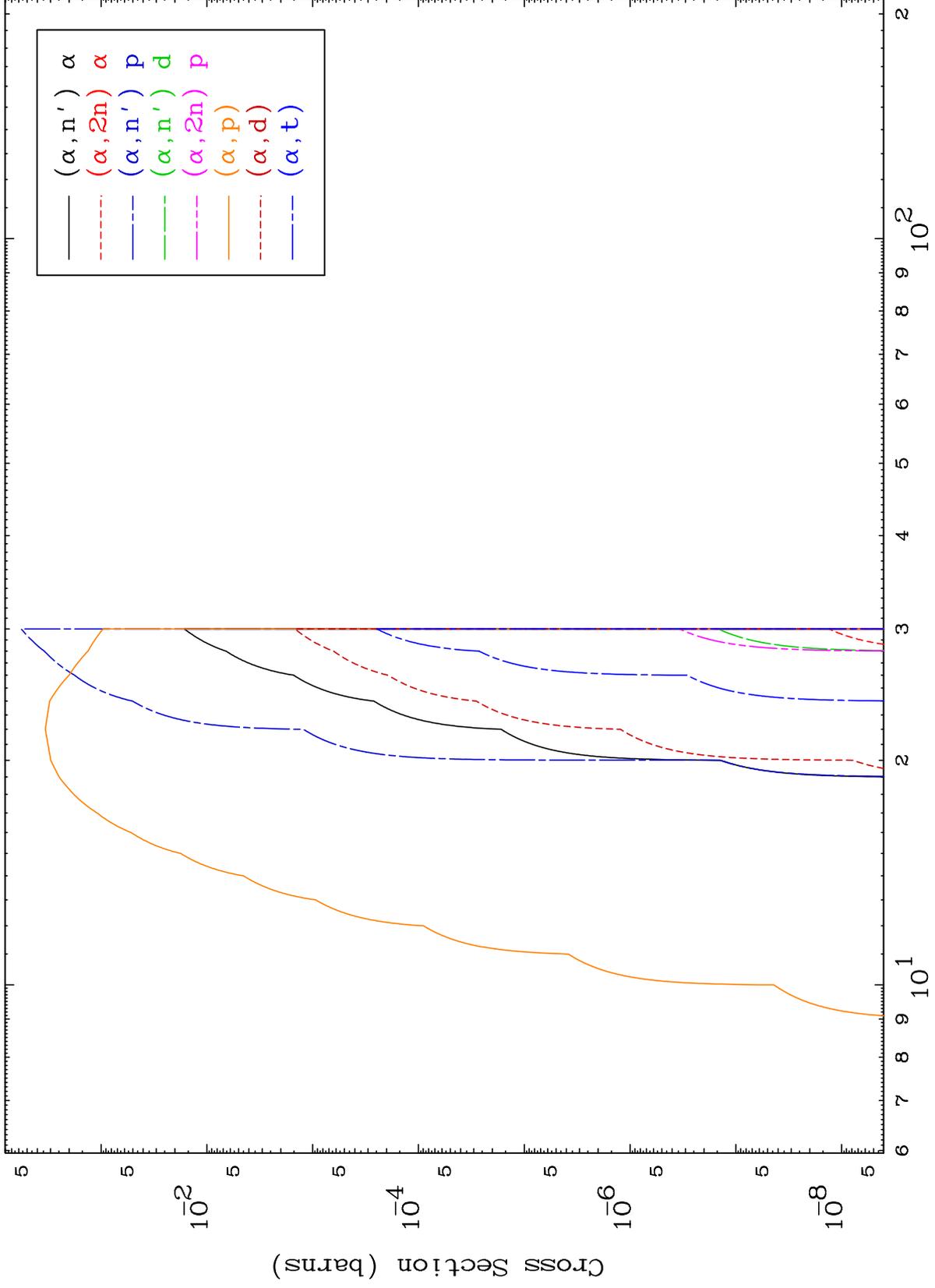


1

Incident Energy (MeV)

56-Ba-124

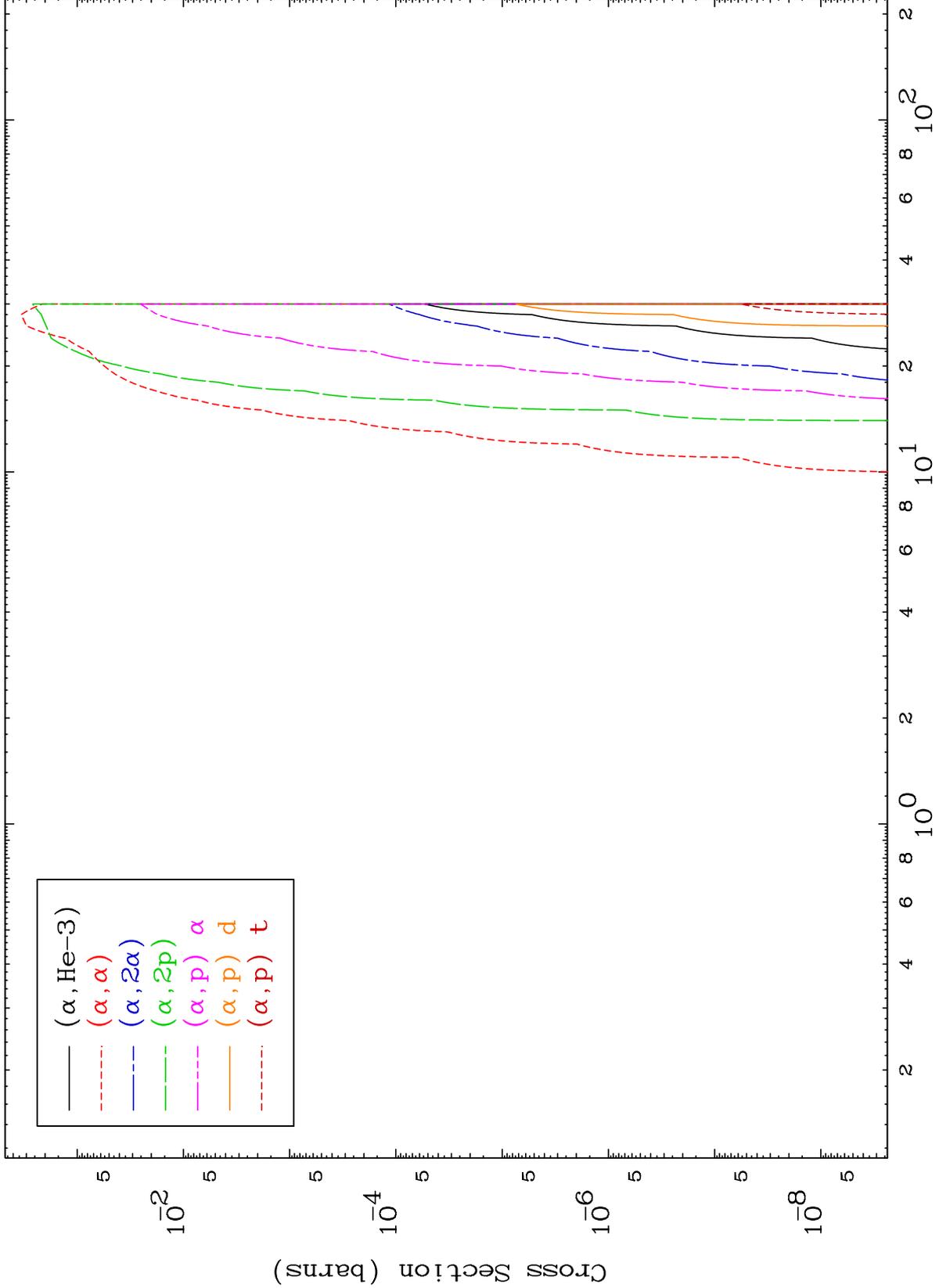




MAT 5607

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

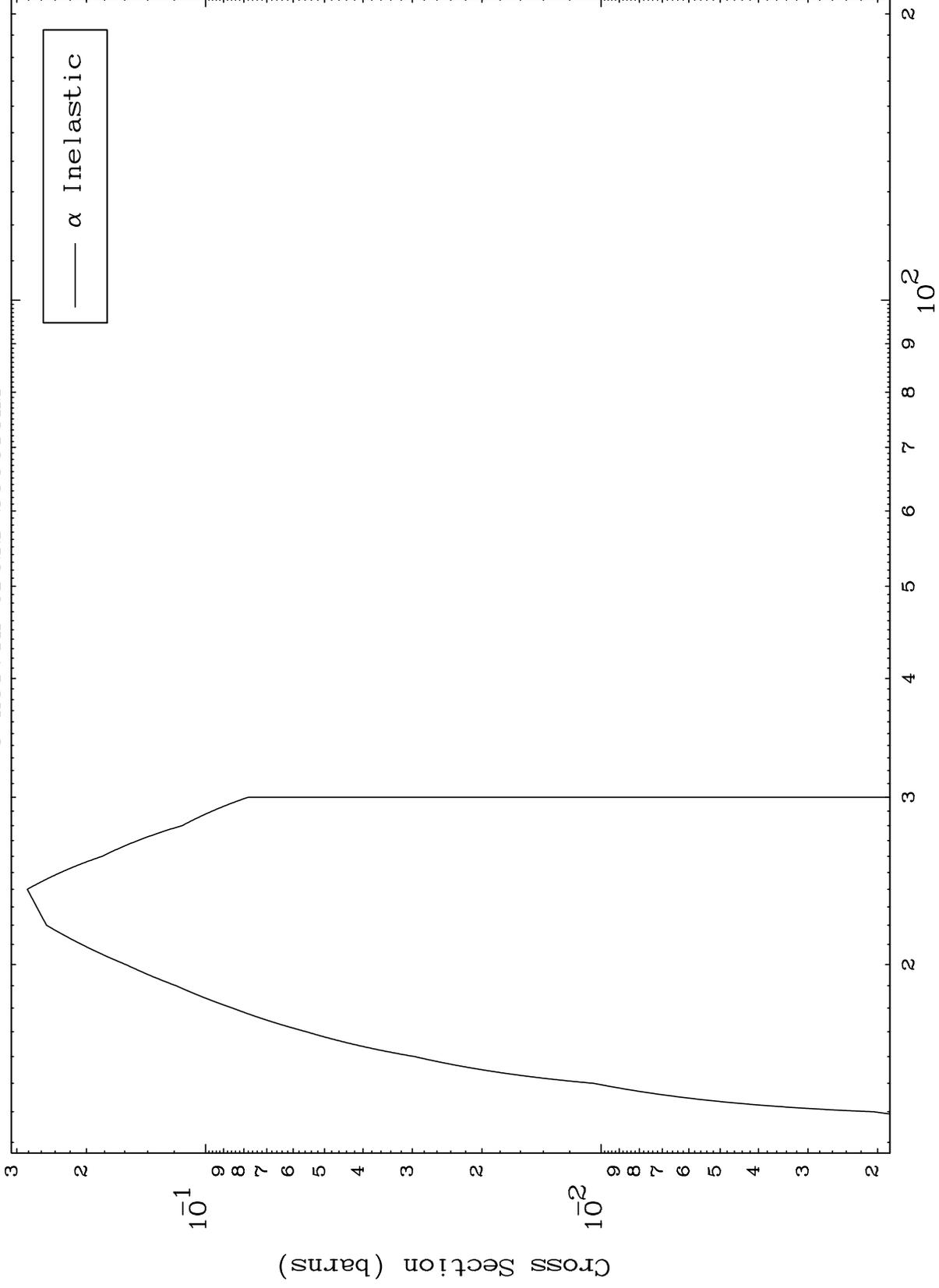
56-Ba-124



MAT 5607

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

56-Ba-124



$\alpha$  Inelastic

5

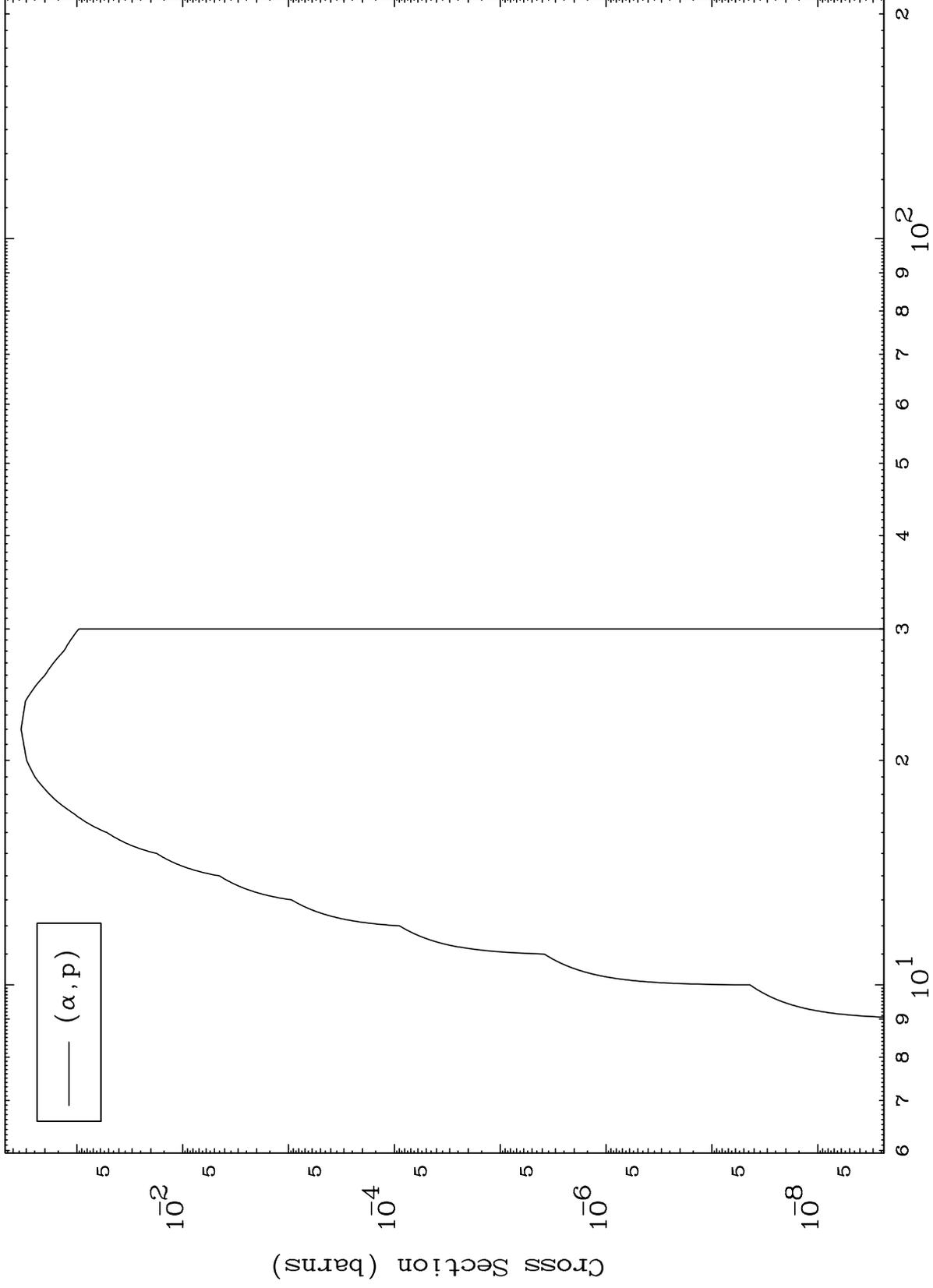
Incident Energy (MeV)

56-Ba-124

MAT 5607

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

56-Ba-124



6

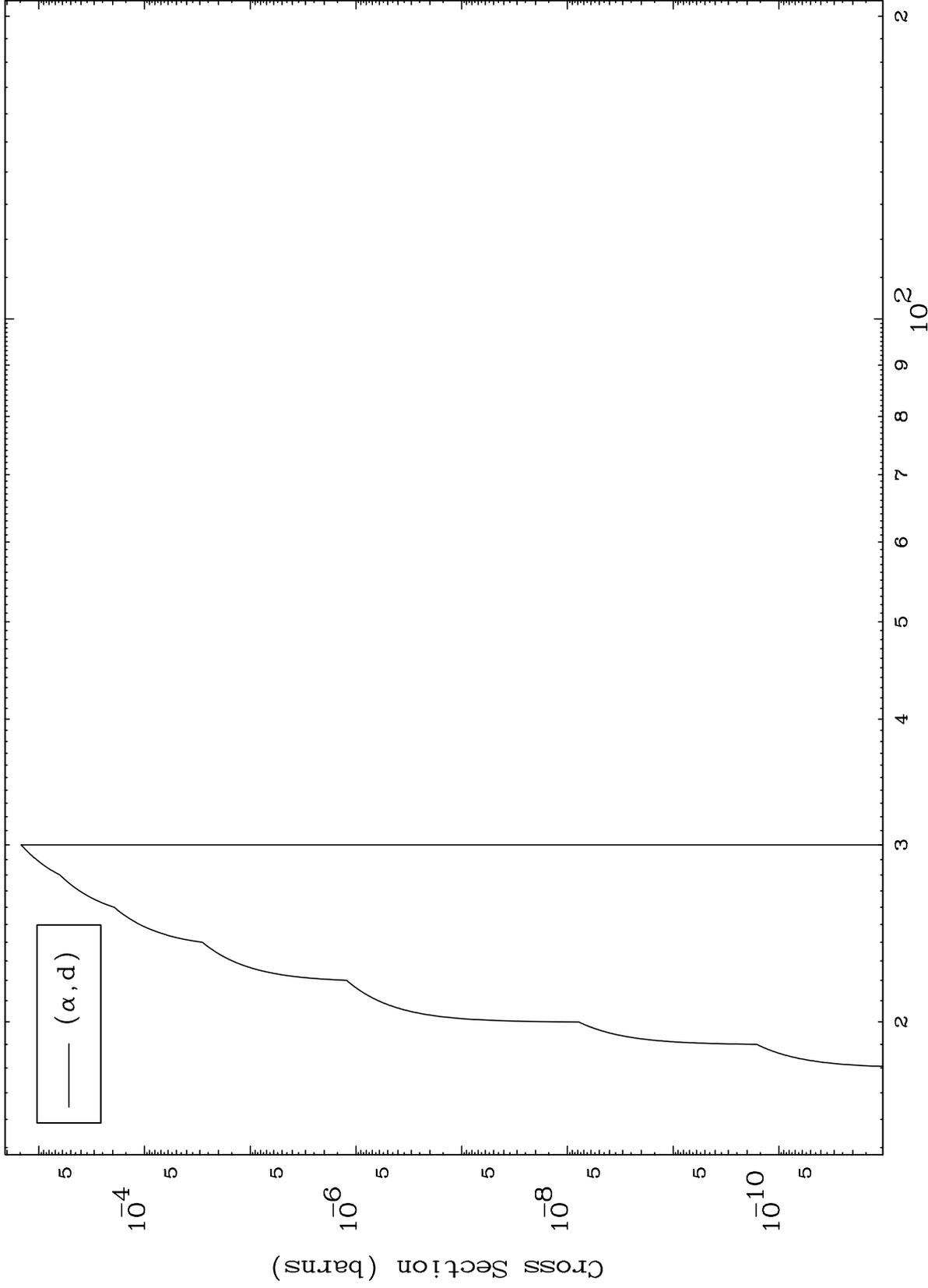
Incident Energy (MeV)

56-Ba-124

MAT 5607

56-Ba-124

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



56-Ba-124

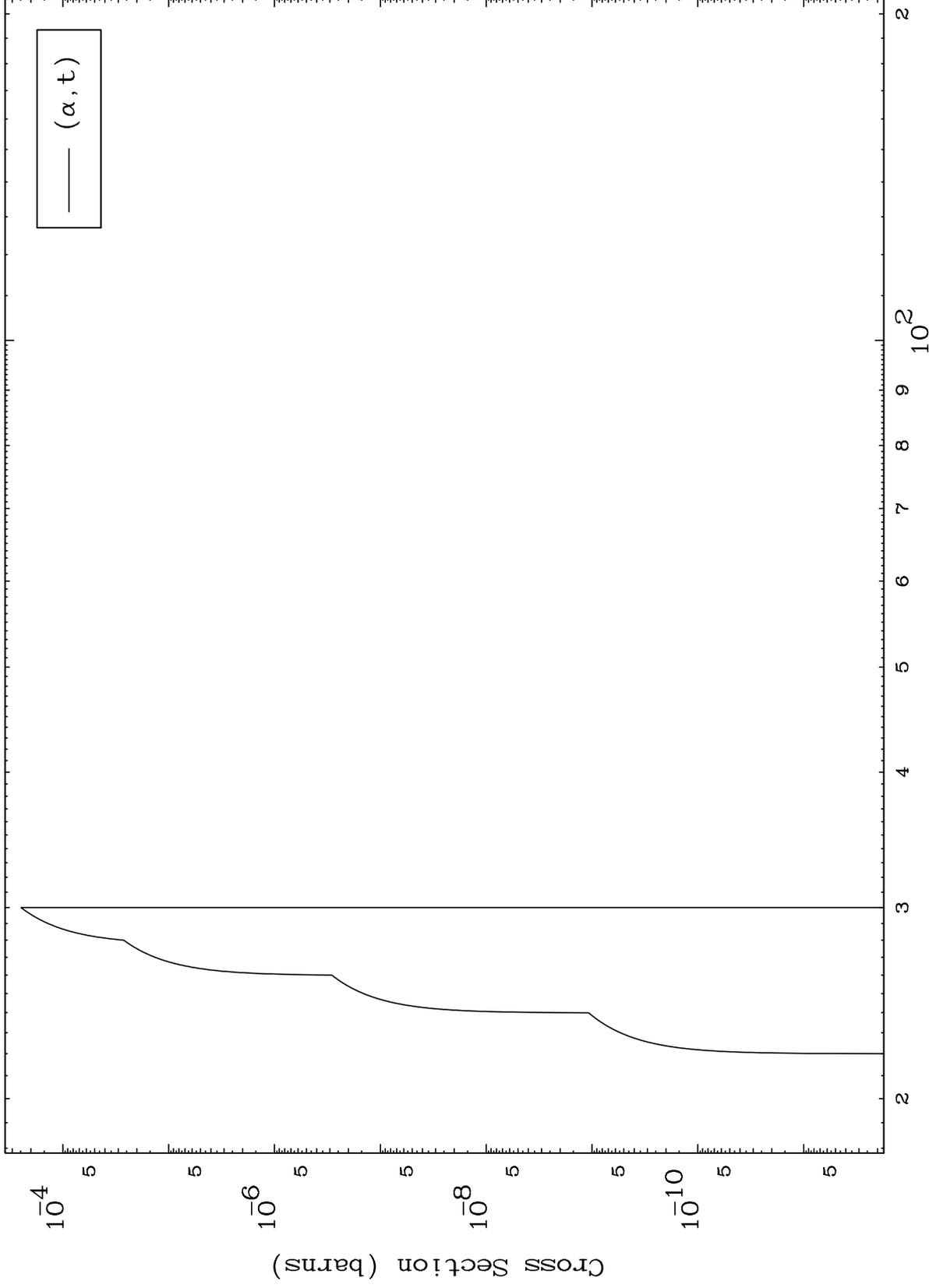
Incident Energy (MeV)

7

MAT 5607

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

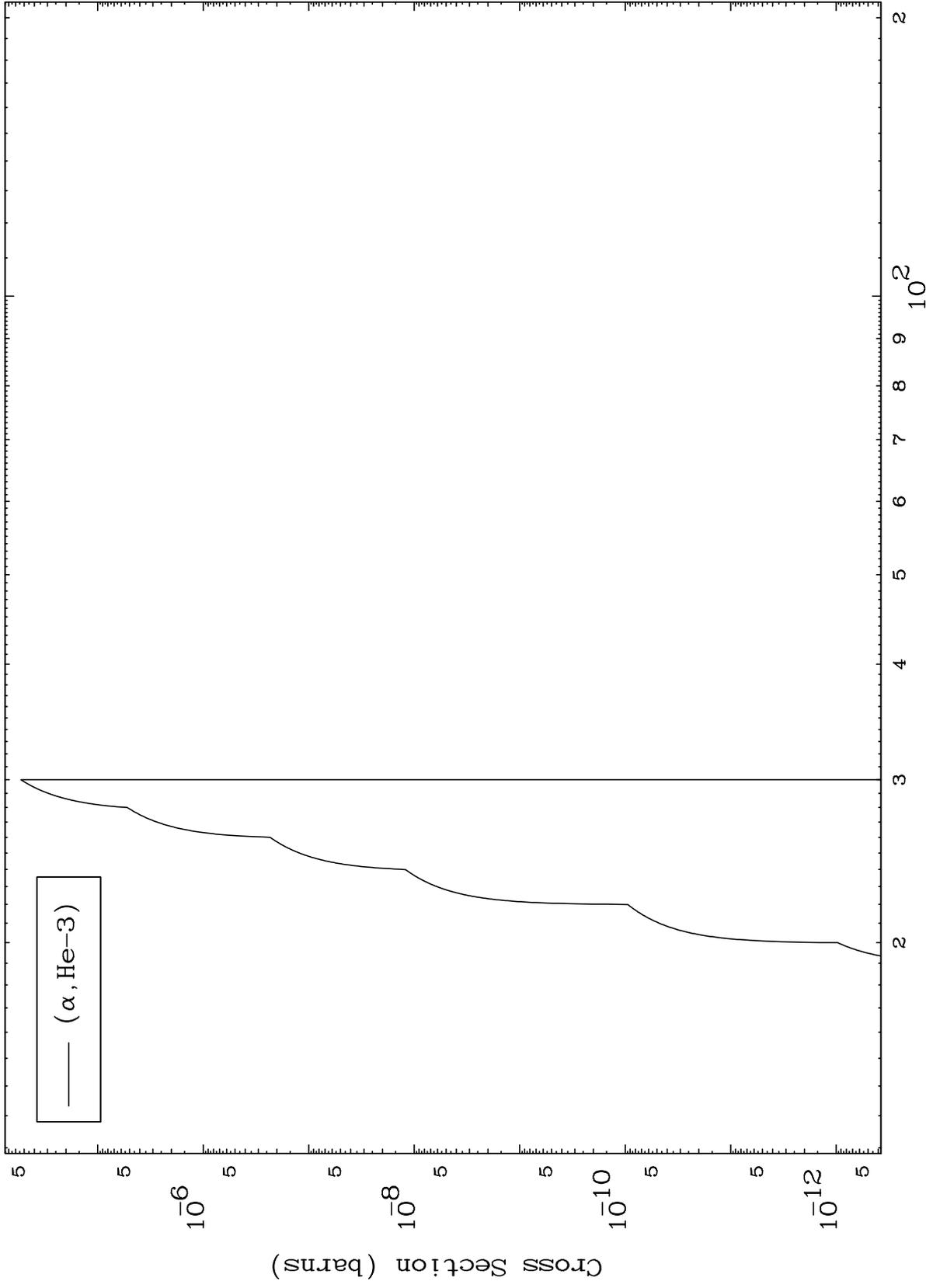
56-Ba-124



8

Incident Energy (MeV)

56-Ba-124

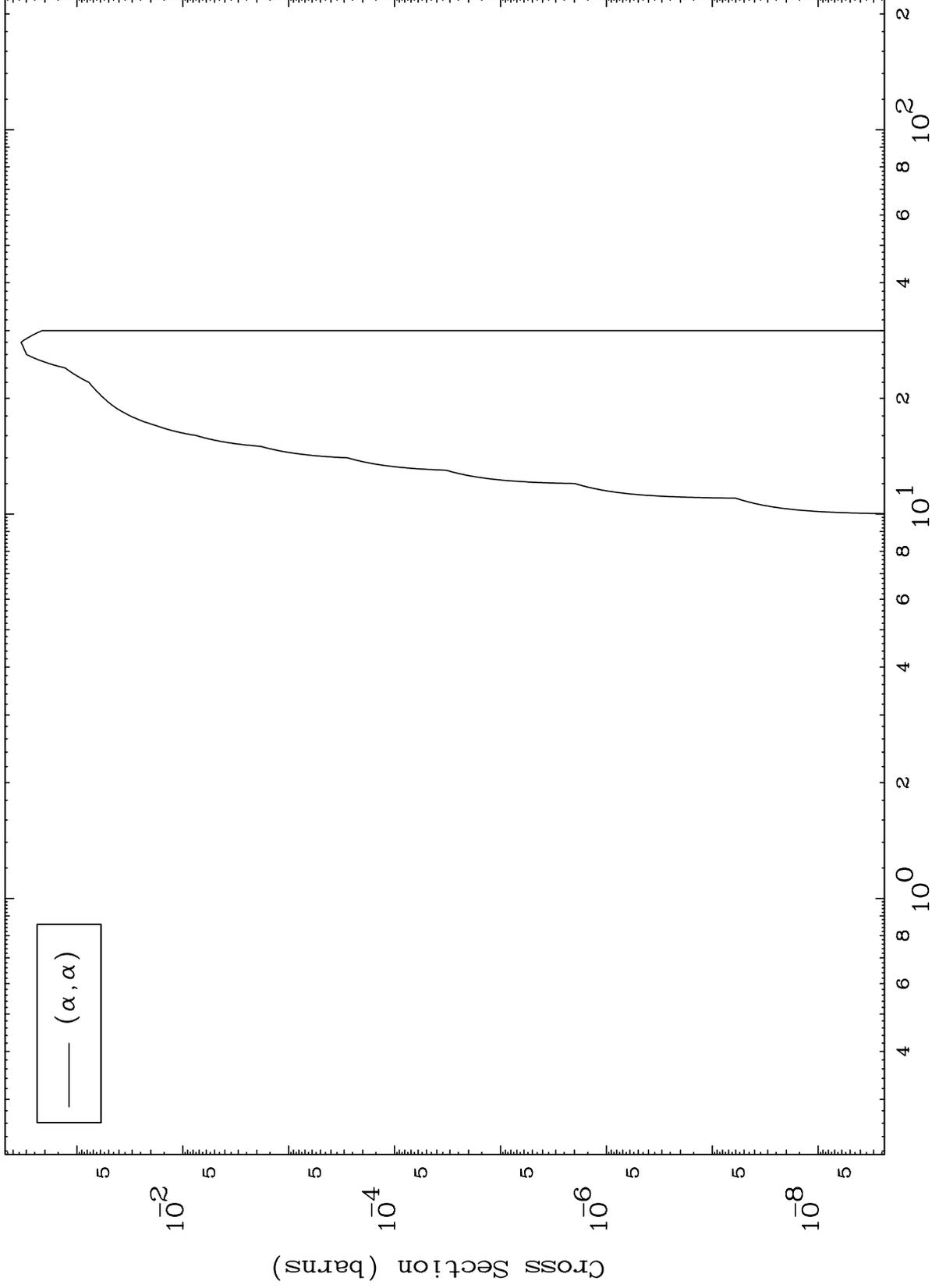


MAT 5607

( $\alpha, \alpha$ ) Levels

56-Ba-124

0 Kelvin Cross Sections

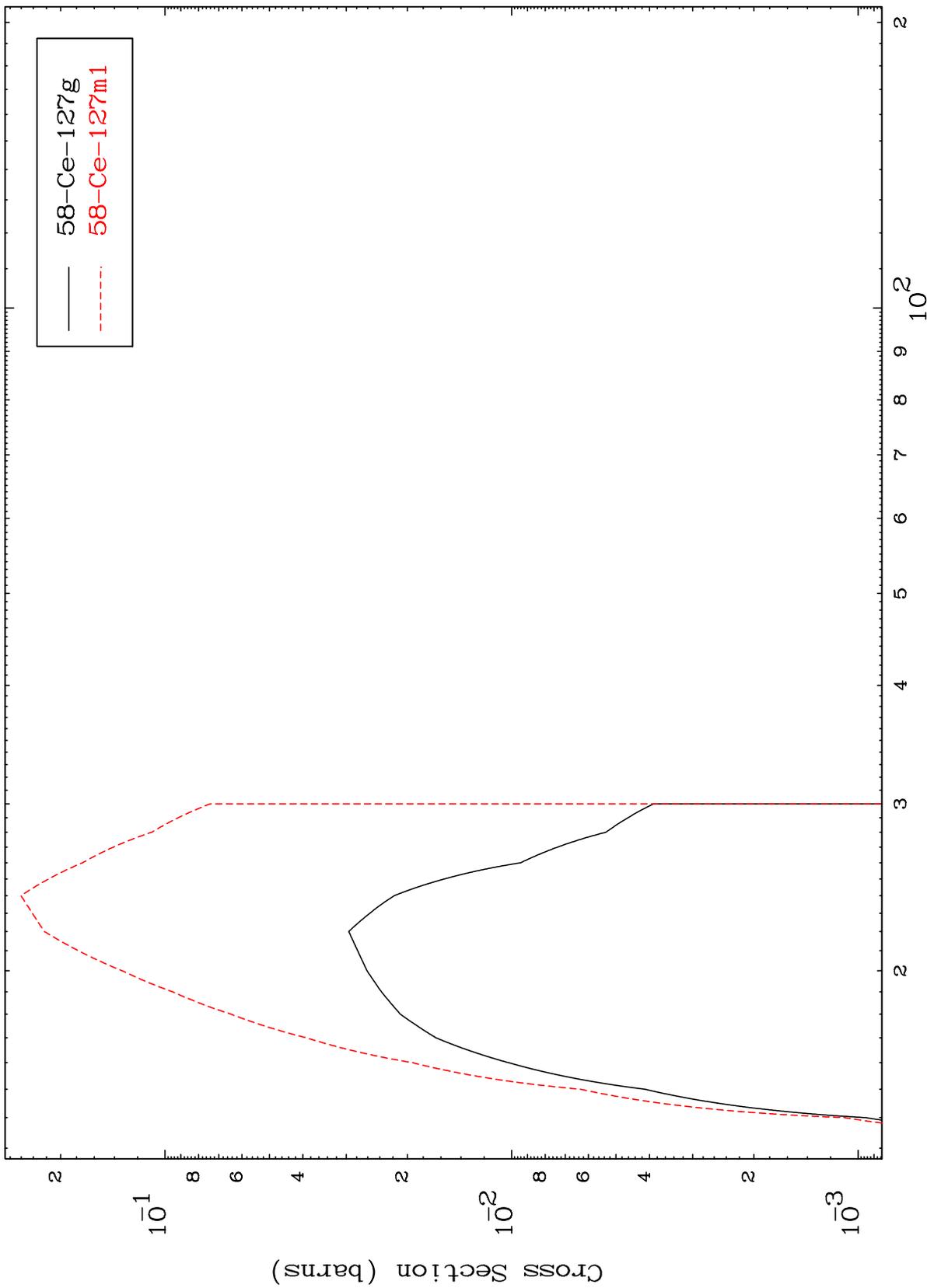


10

Incident Energy (MeV)

56-Ba-124

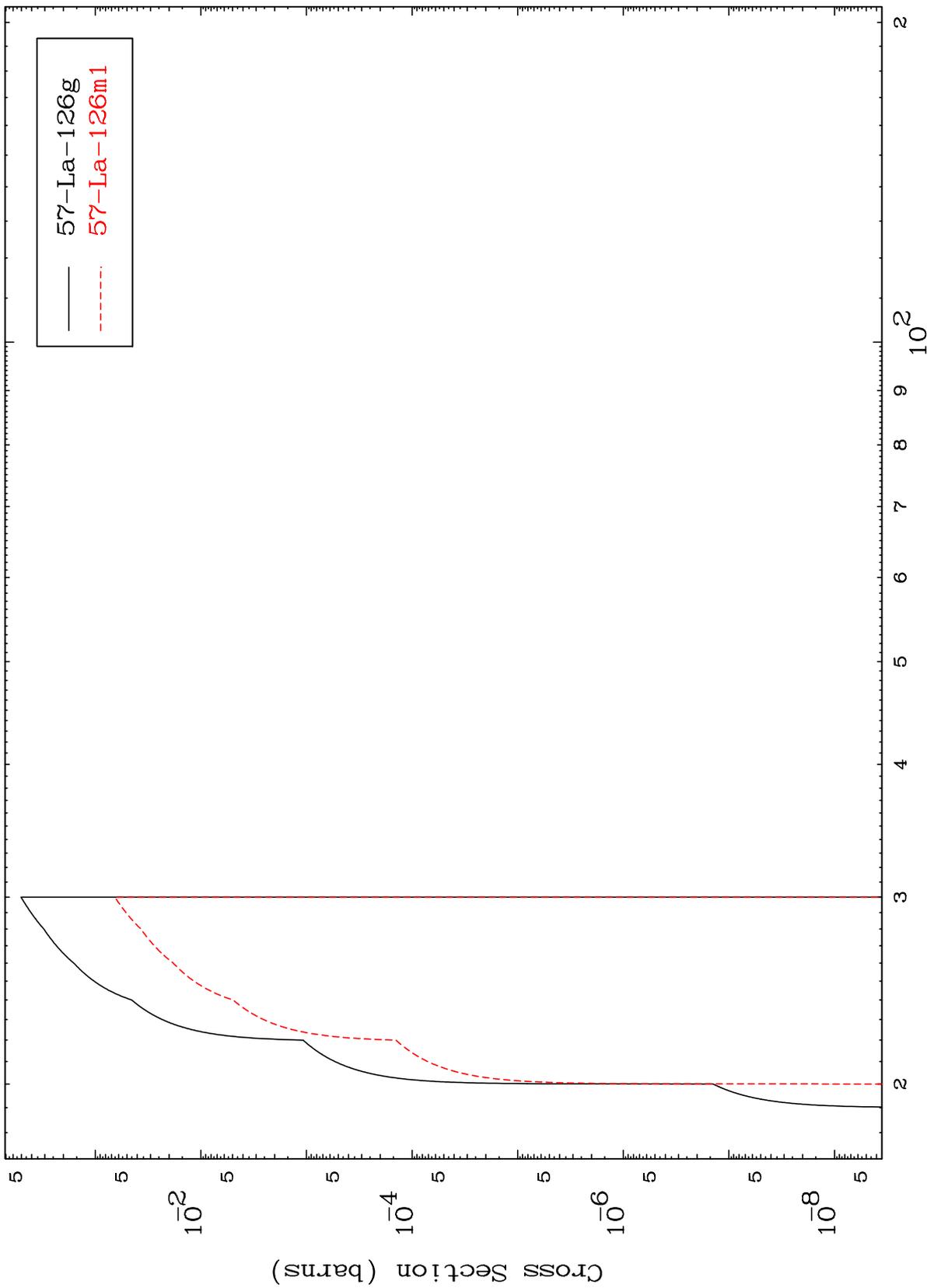
Radionuclide Production Cross Section  
 $\alpha$  Inelastic



MAT 5607

56-Ba-124

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



12

56-Ba-124

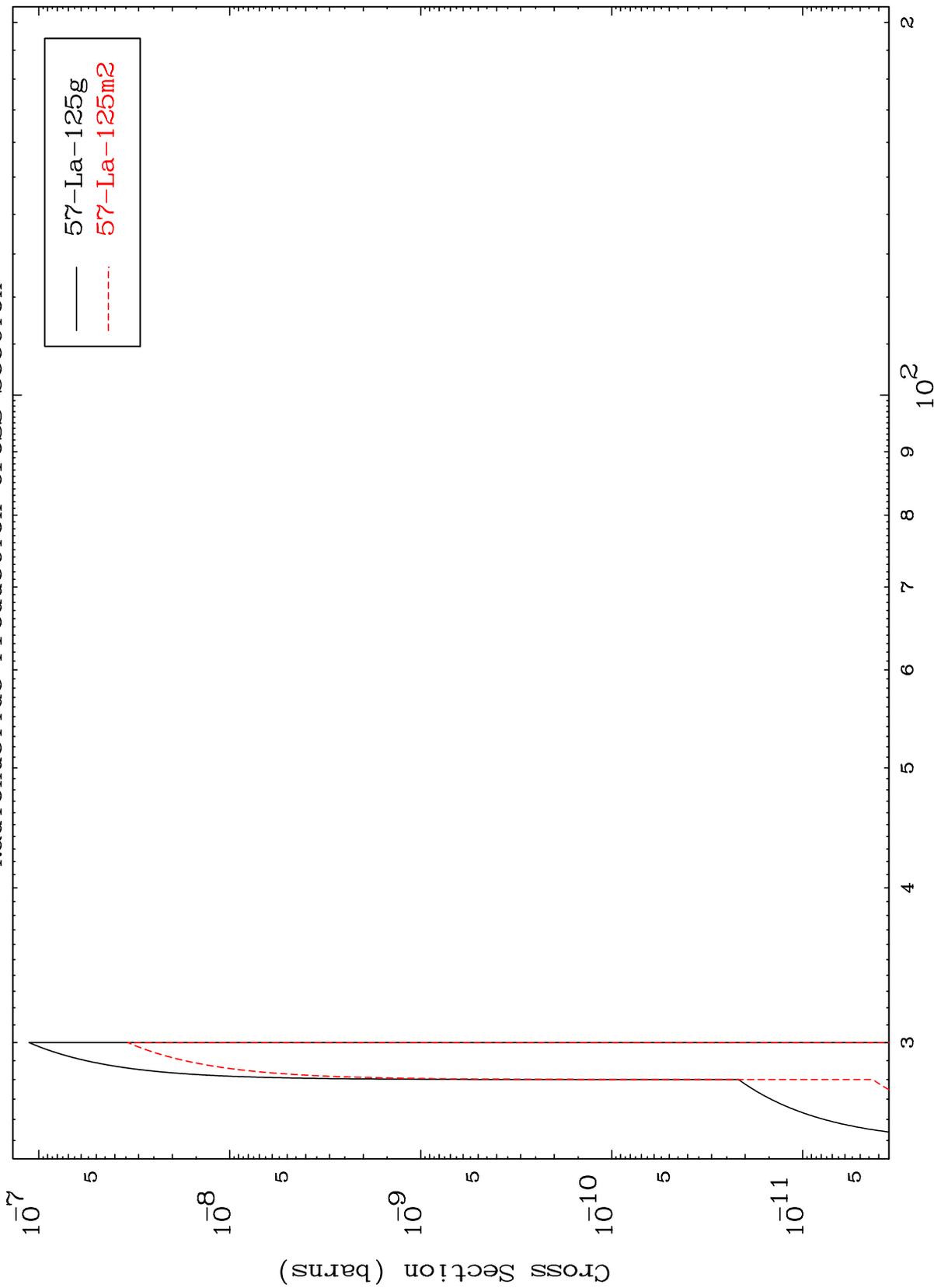
Incident Energy (MeV)

MAT 5607

$(\alpha, n')$  d

56-Ba-124

Radionuclide Production Cross Section



13

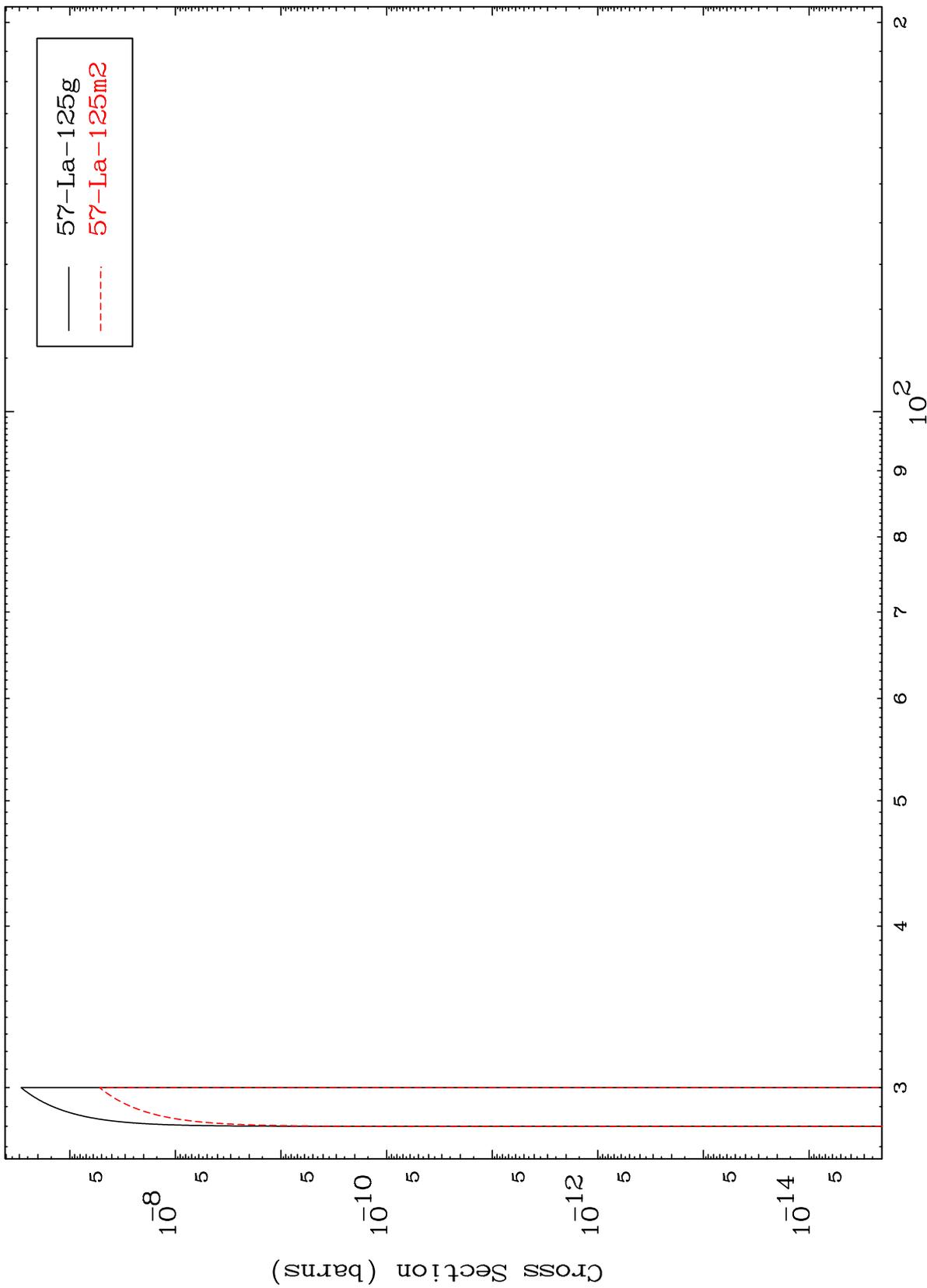
Incident Energy (MeV)

56-Ba-124

MAT 5607

56-Ba-124

$(\alpha, 2n)$  p  
Radionuclide Production Cross Section



14

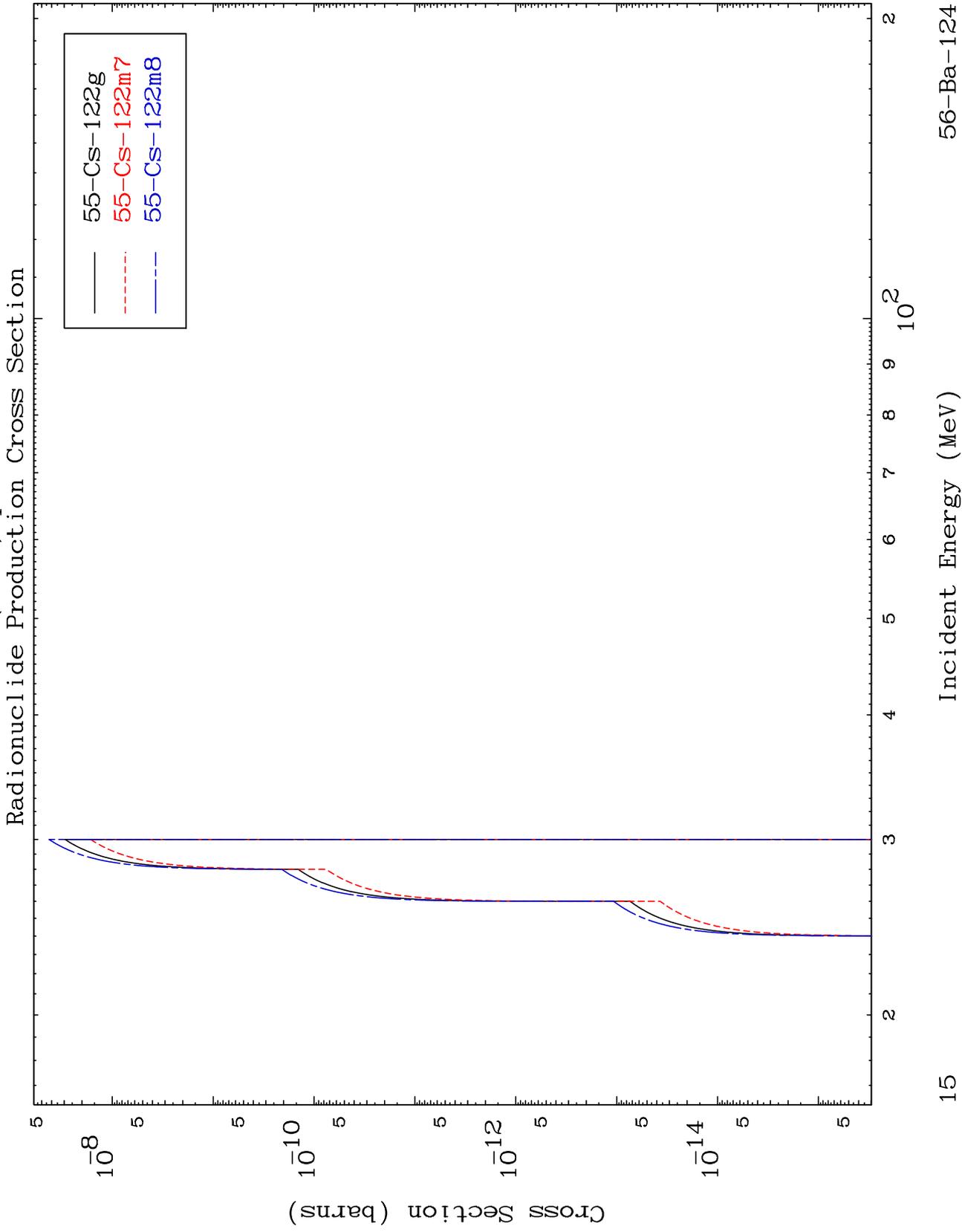
56-Ba-124

Incident Energy (MeV)

MAT 5607

$(\alpha, n')$  p  $\alpha$

56-Ba-124

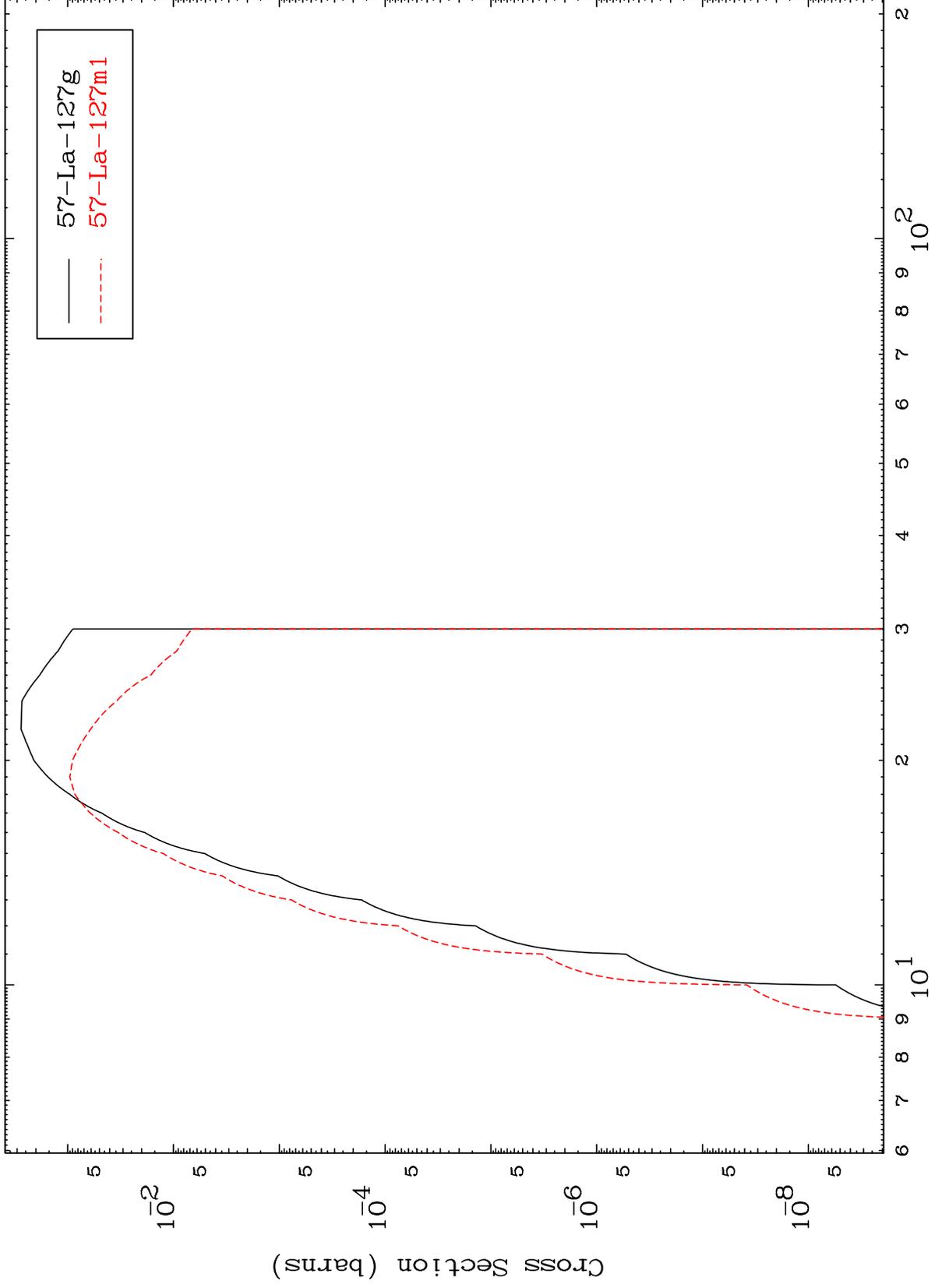


15

MAT 5607

56-Ba-124

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



16

Incident Energy (MeV)

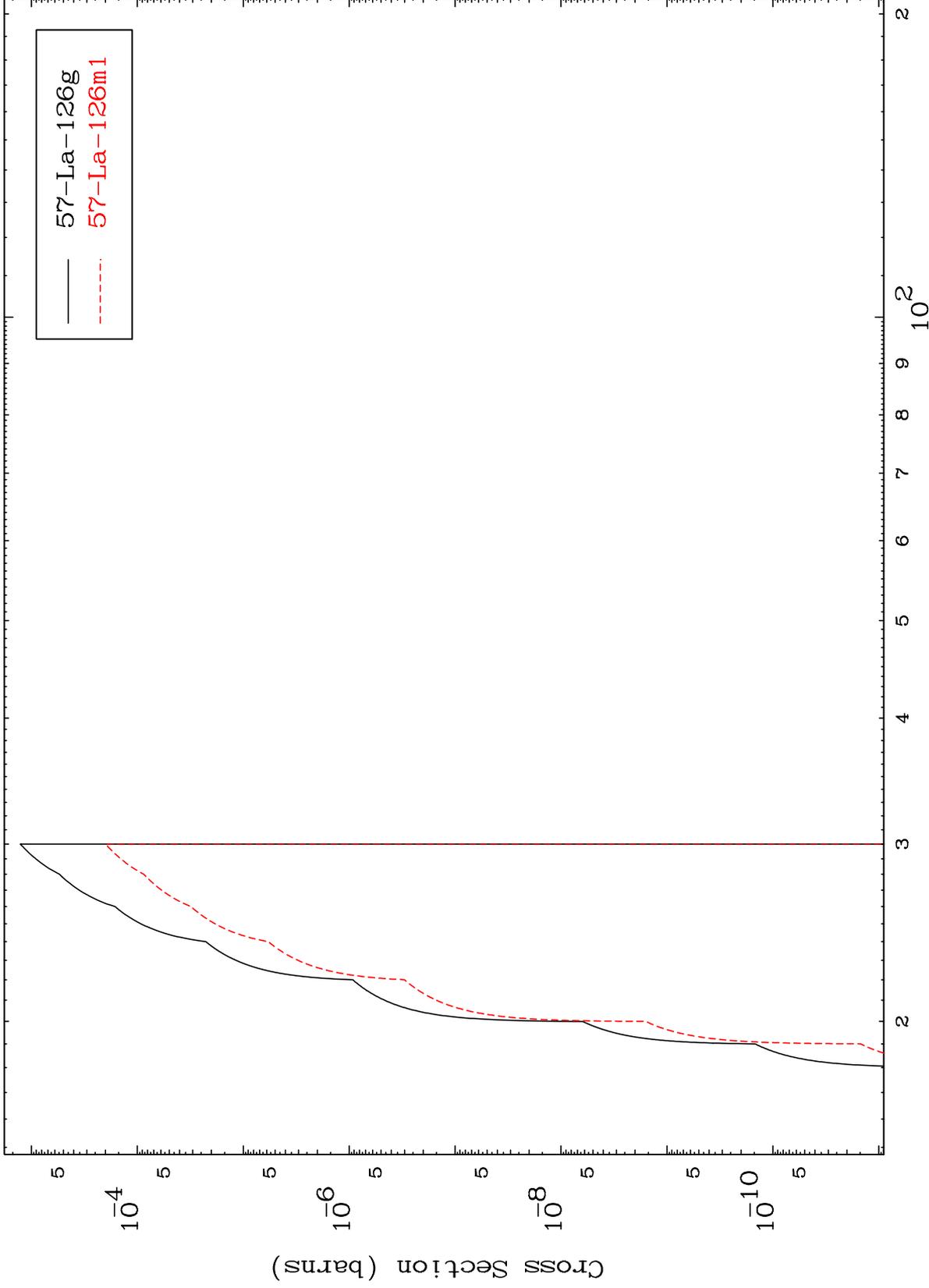
56-Ba-124

MAT 5607

( $\alpha, d$ )

56-Ba-124

Radionuclide Production Cross Section



17

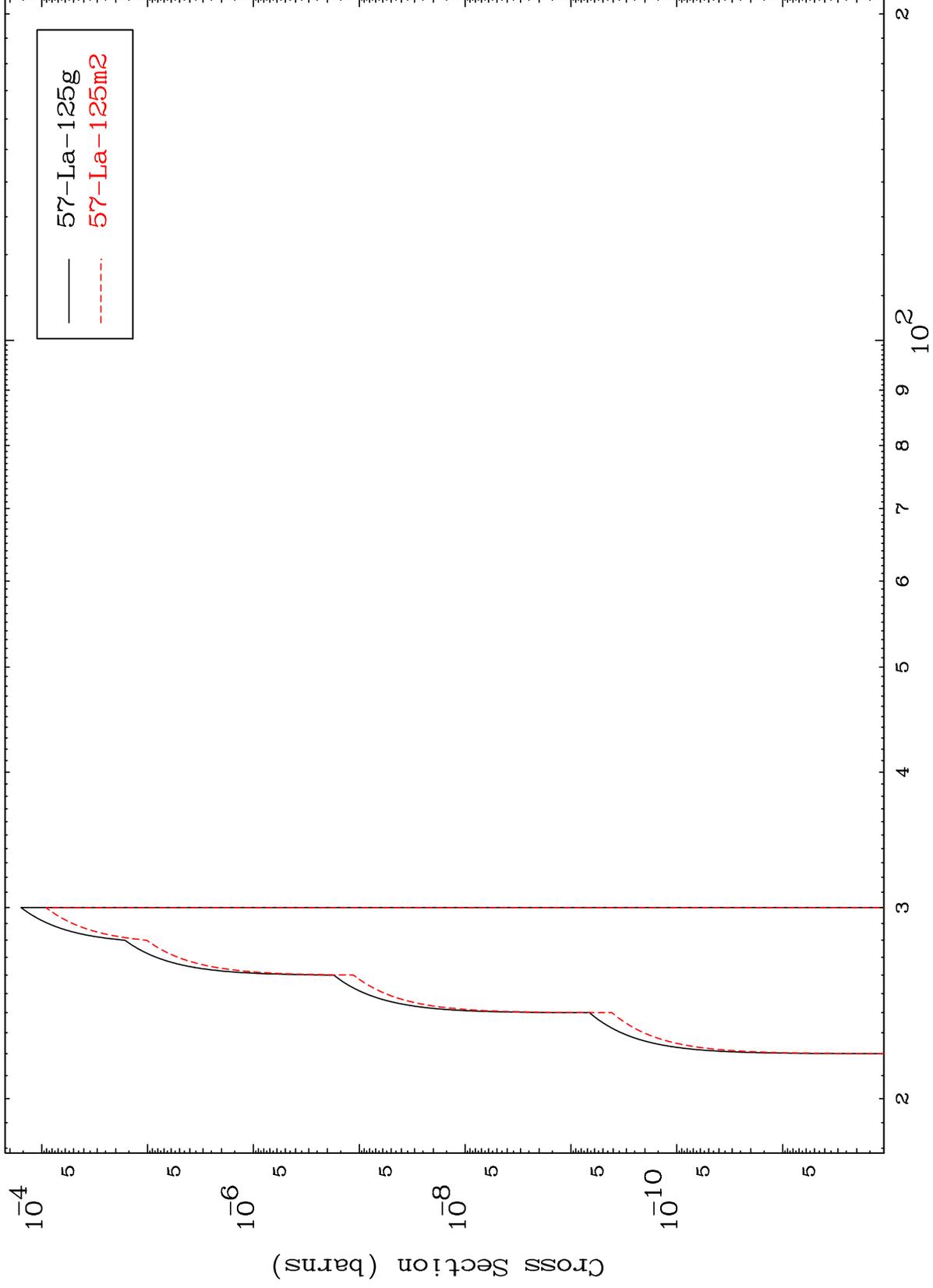
Incident Energy (MeV)

56-Ba-124

MAT 5607

56-Ba-124

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



18

Incident Energy (MeV)

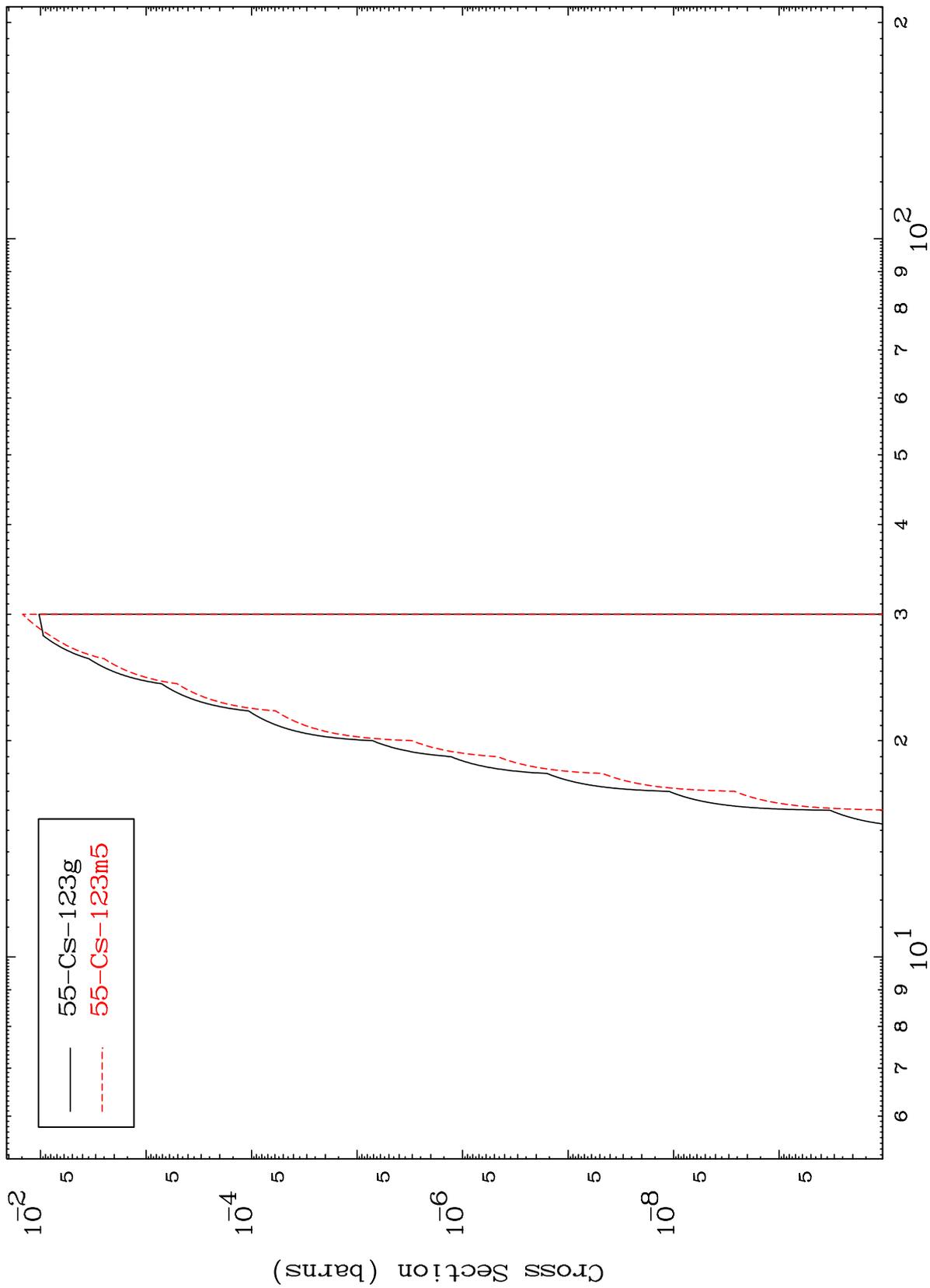
56-Ba-124

MAT 5607

( $\alpha, p$ )  $\alpha$

56-Ba-124

Radionuclide Production Cross Section



19

Incident Energy (MeV)

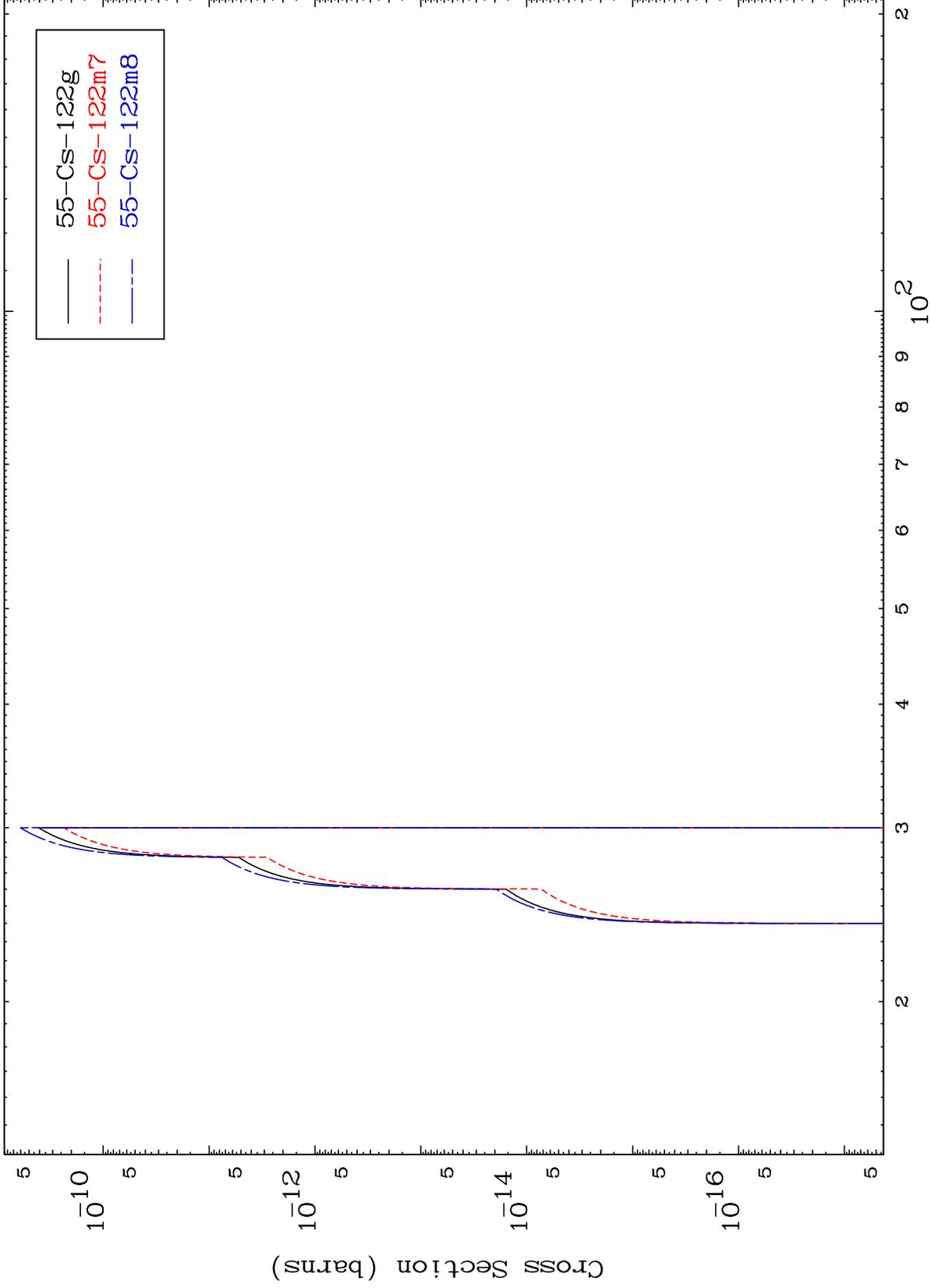
56-Ba-124

MAT 5607

( $\alpha, d$ )  $\alpha$

56-Ba-124

Radionuclide Production Cross Section



20

Incident Energy (MeV)

56-Ba-124