

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

Web:redcullen1.net/HOMEPAGE.NEW

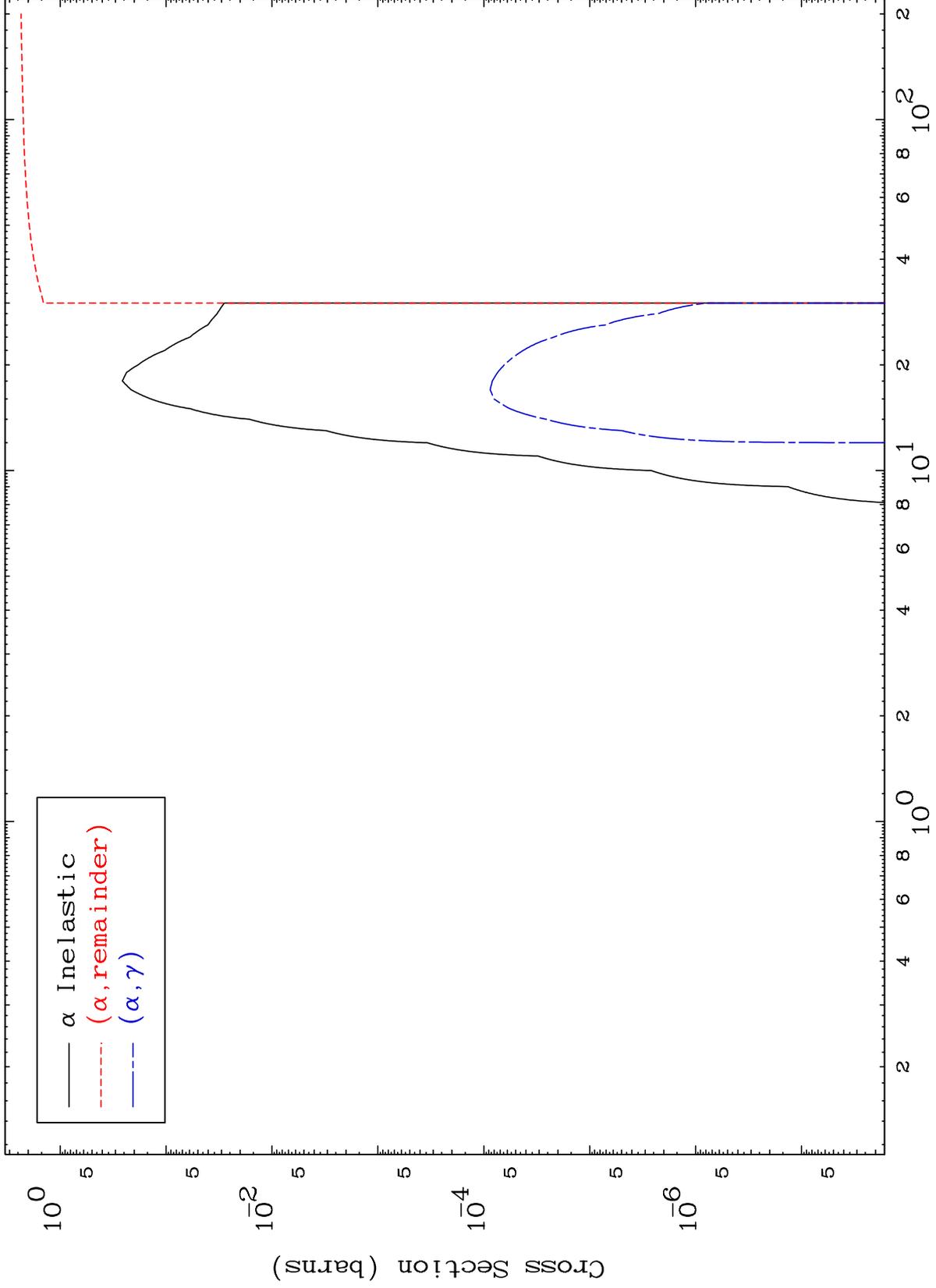
Press Mouse Button to Start

MAT 5643

$\alpha$  Major

56-Ba-136

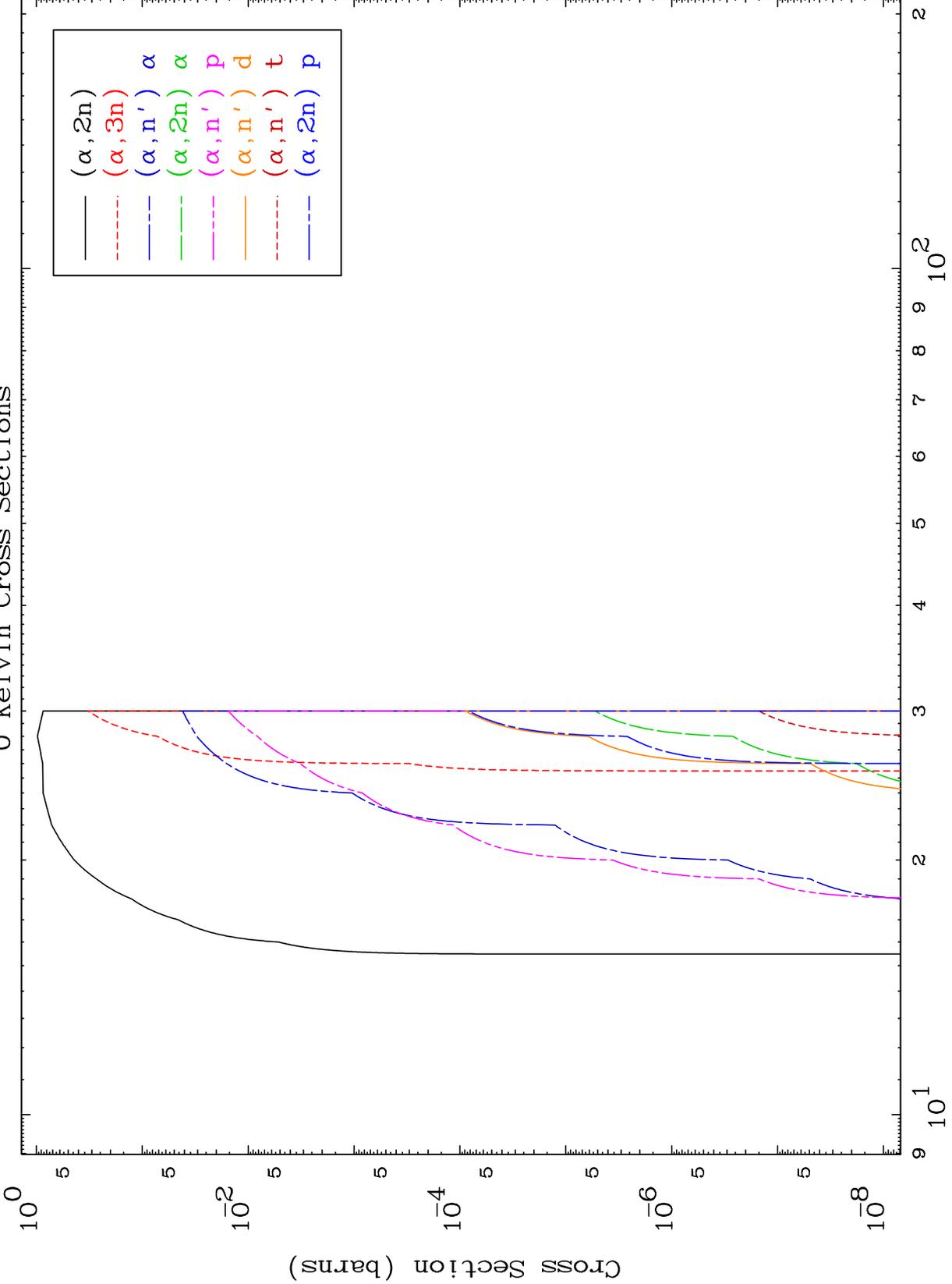
0 Kelvin Cross Sections



MAT 5643

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

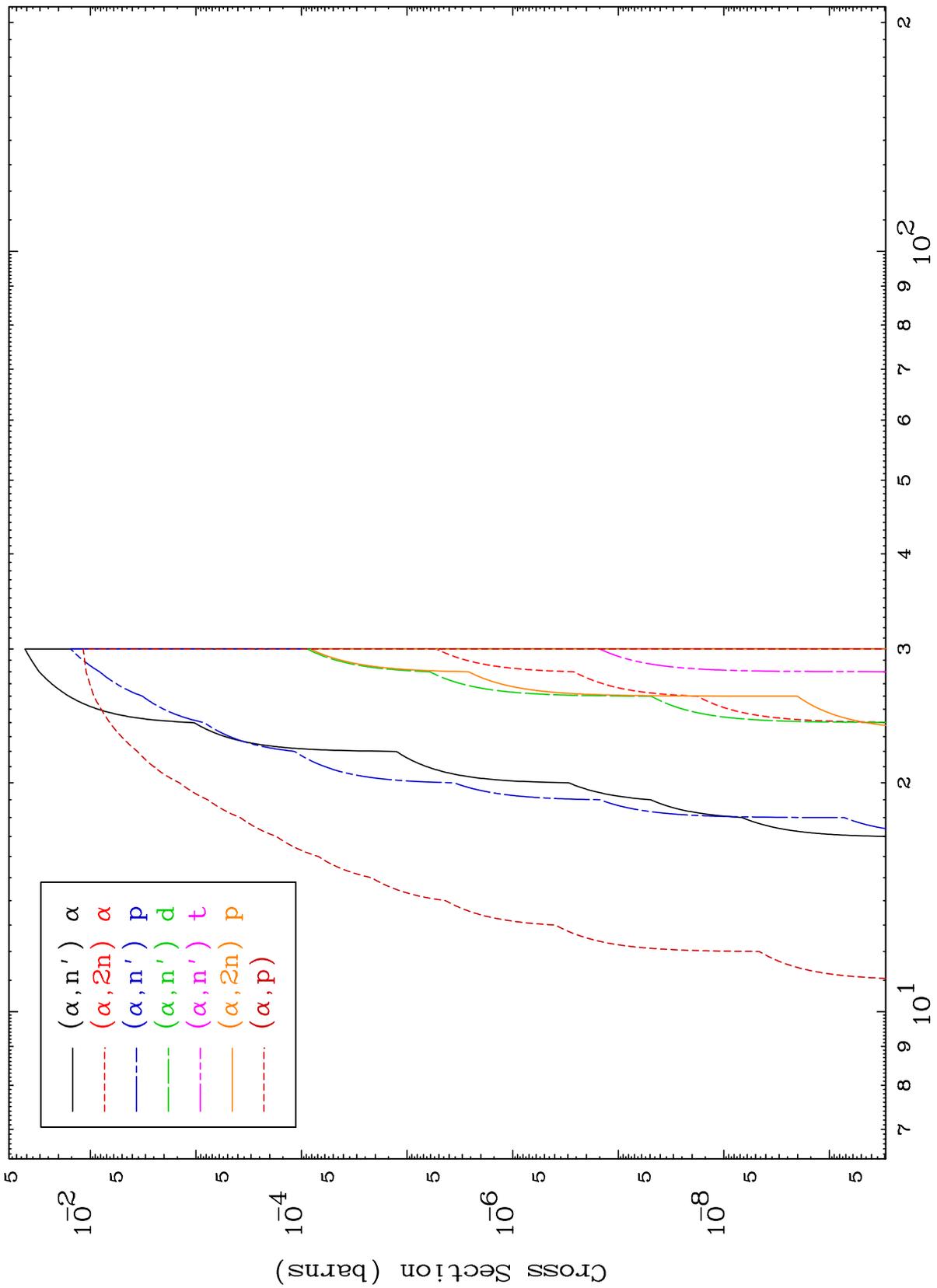
56-Ba-136



56-Ba-136

Incident Energy (MeV)

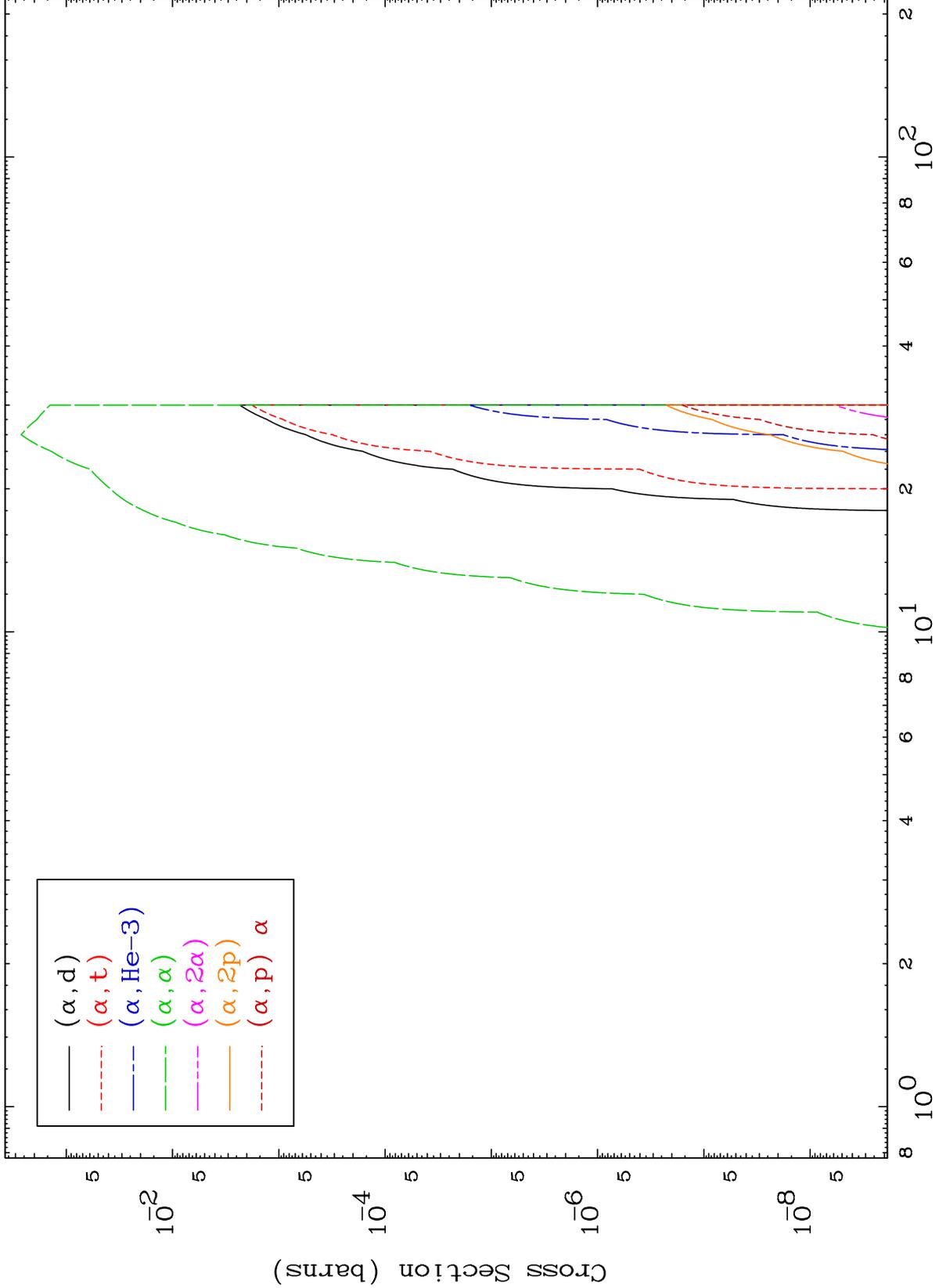
2



MAT 5643

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

56-Ba-136



Incident Energy (MeV)

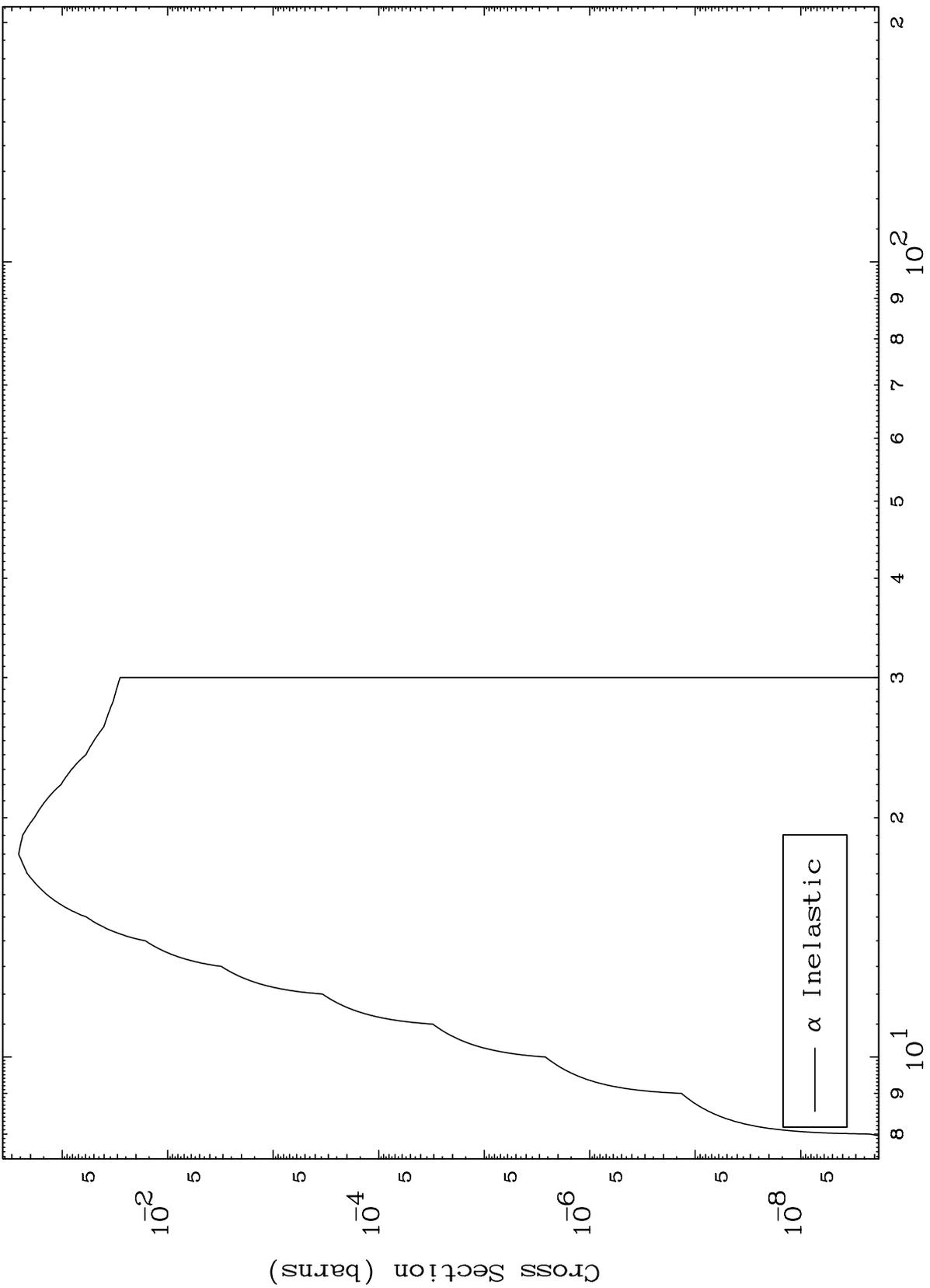
56-Ba-136

MAT 5643

( $\alpha, n'$ ) Level

56-Ba-136

0 Kelvin Cross Sections



$\alpha$  Inelastic

5

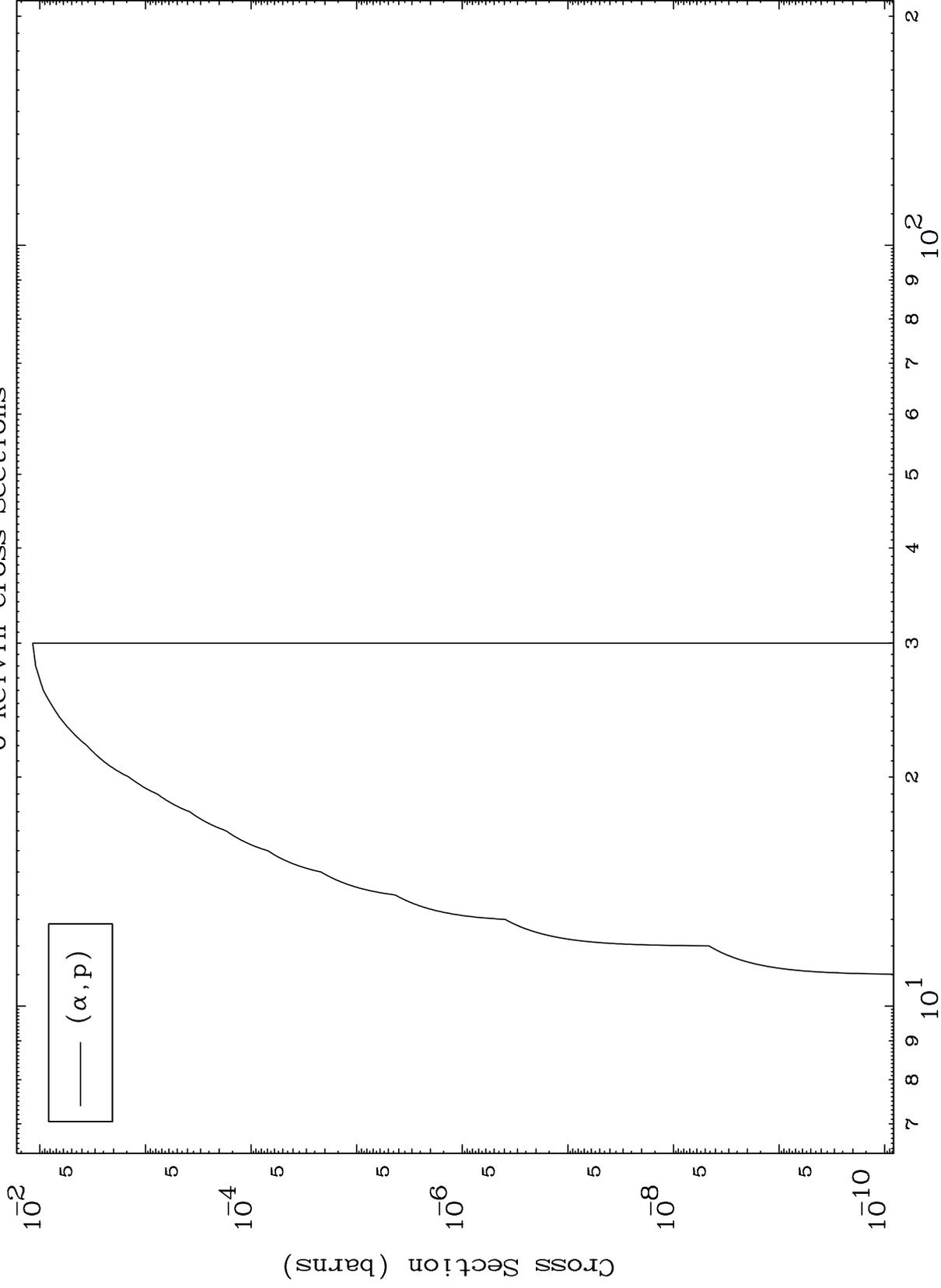
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



6

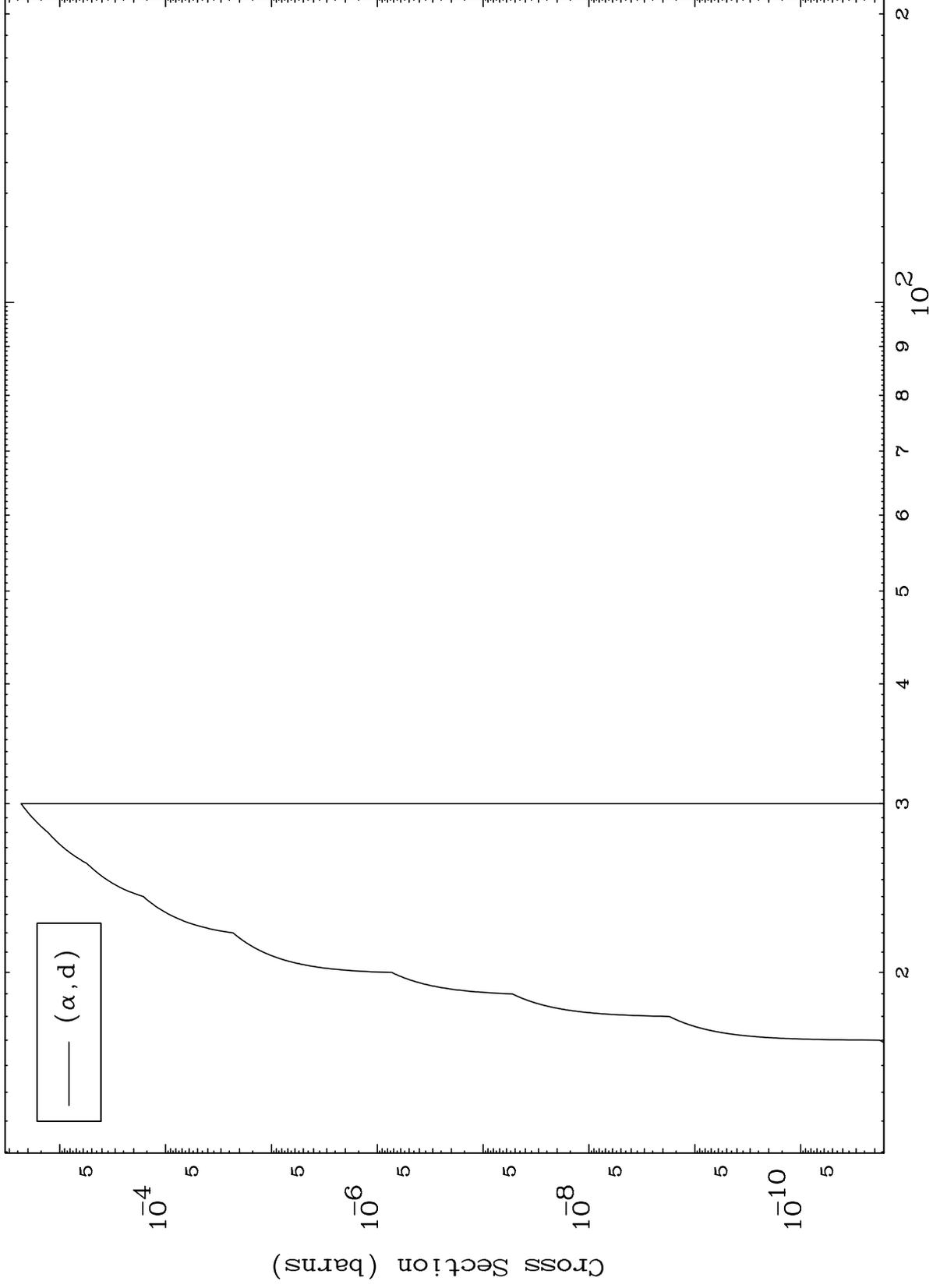
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



7

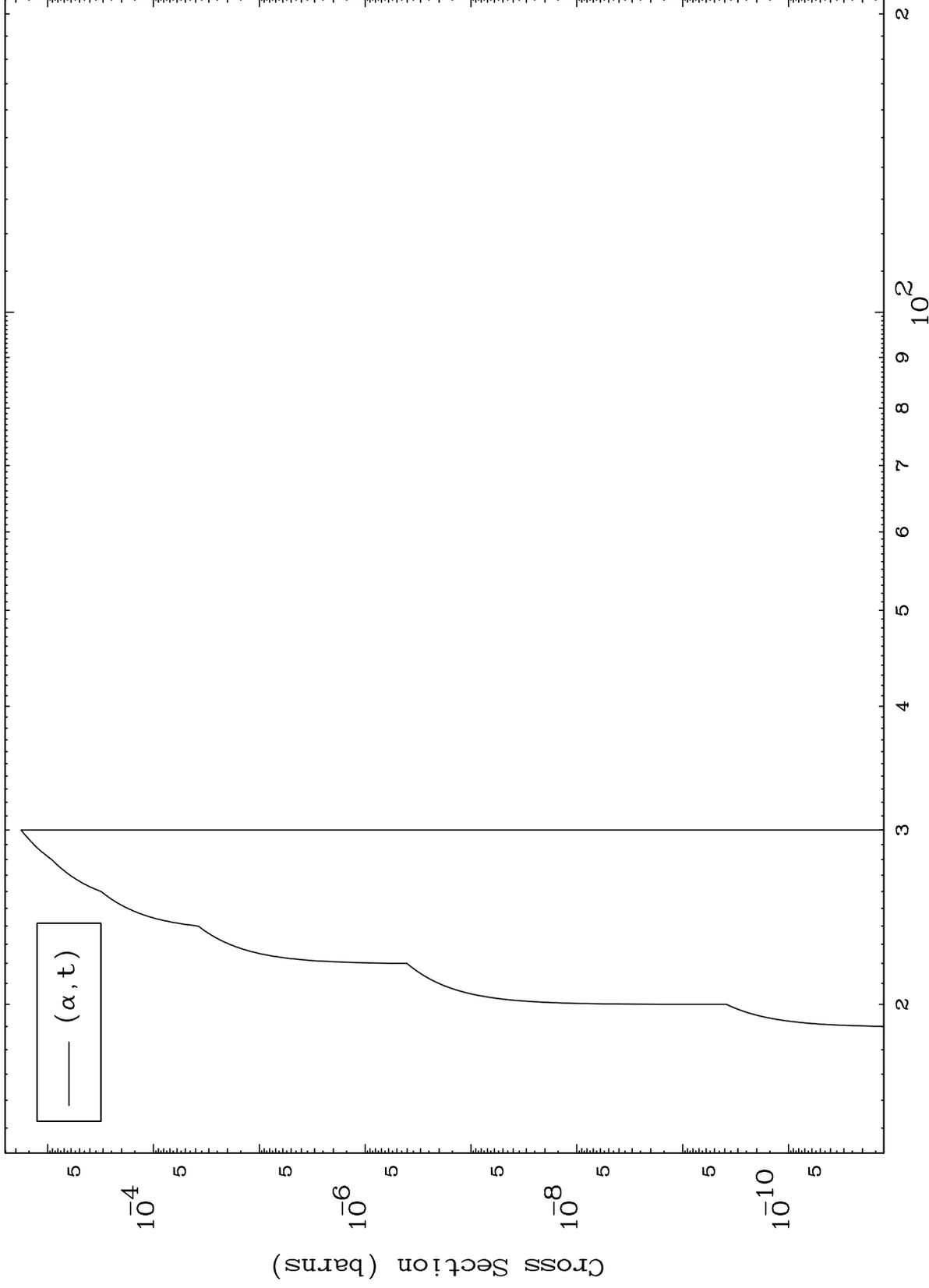
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



8

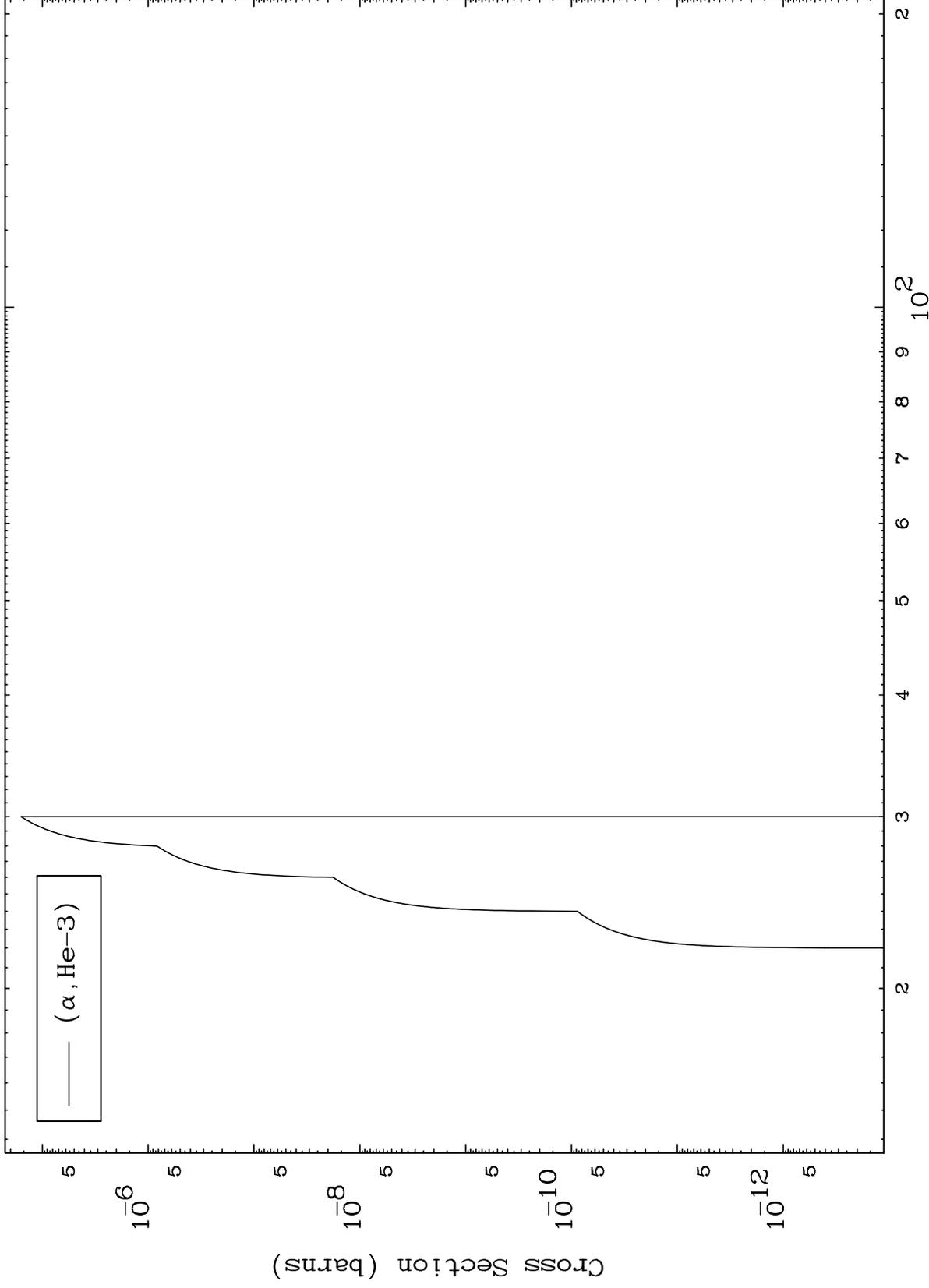
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136

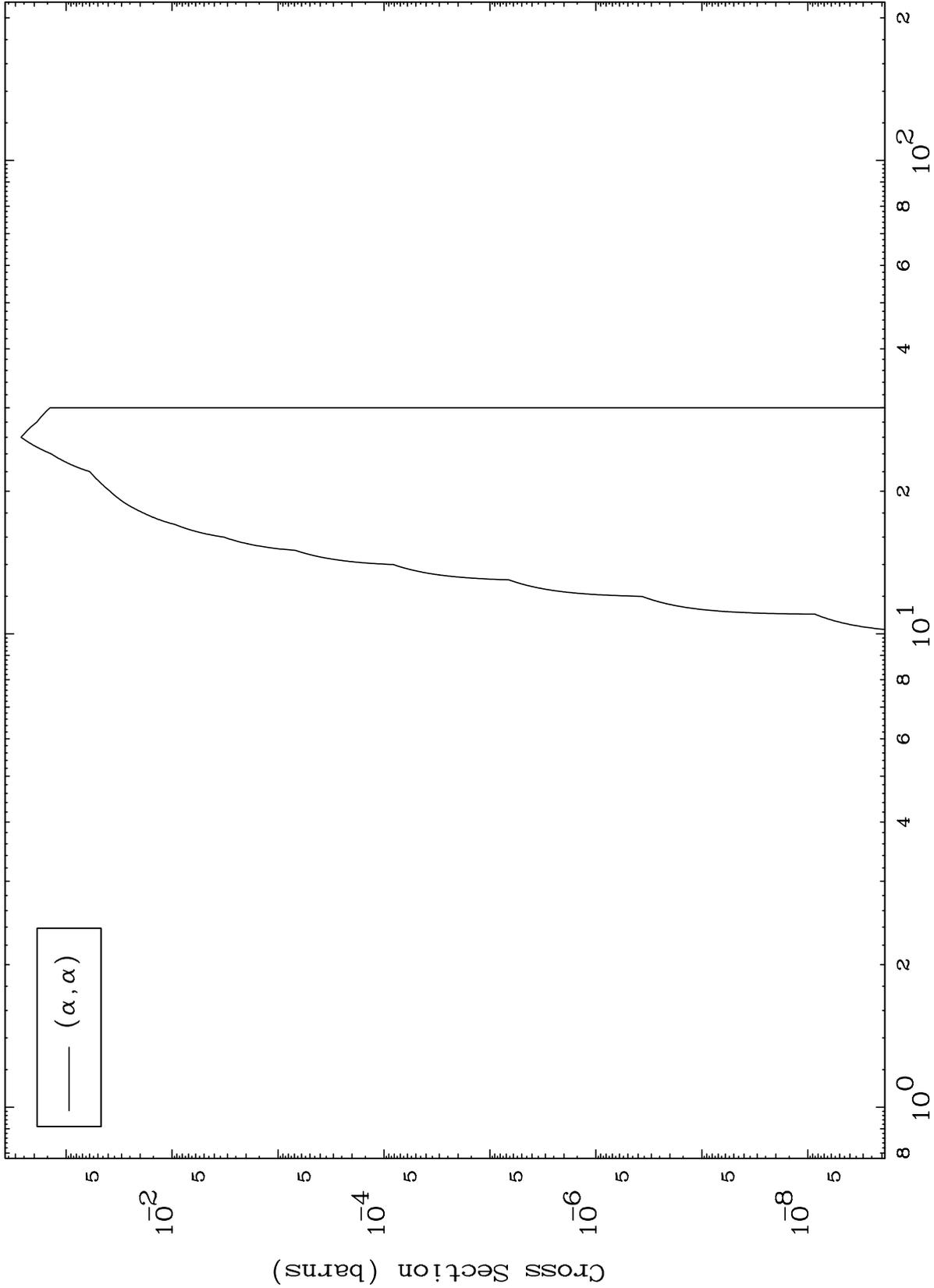


MAT 5643

( $\alpha, \alpha$ ) Levels

56-Ba-136

0 Kelvin Cross Sections



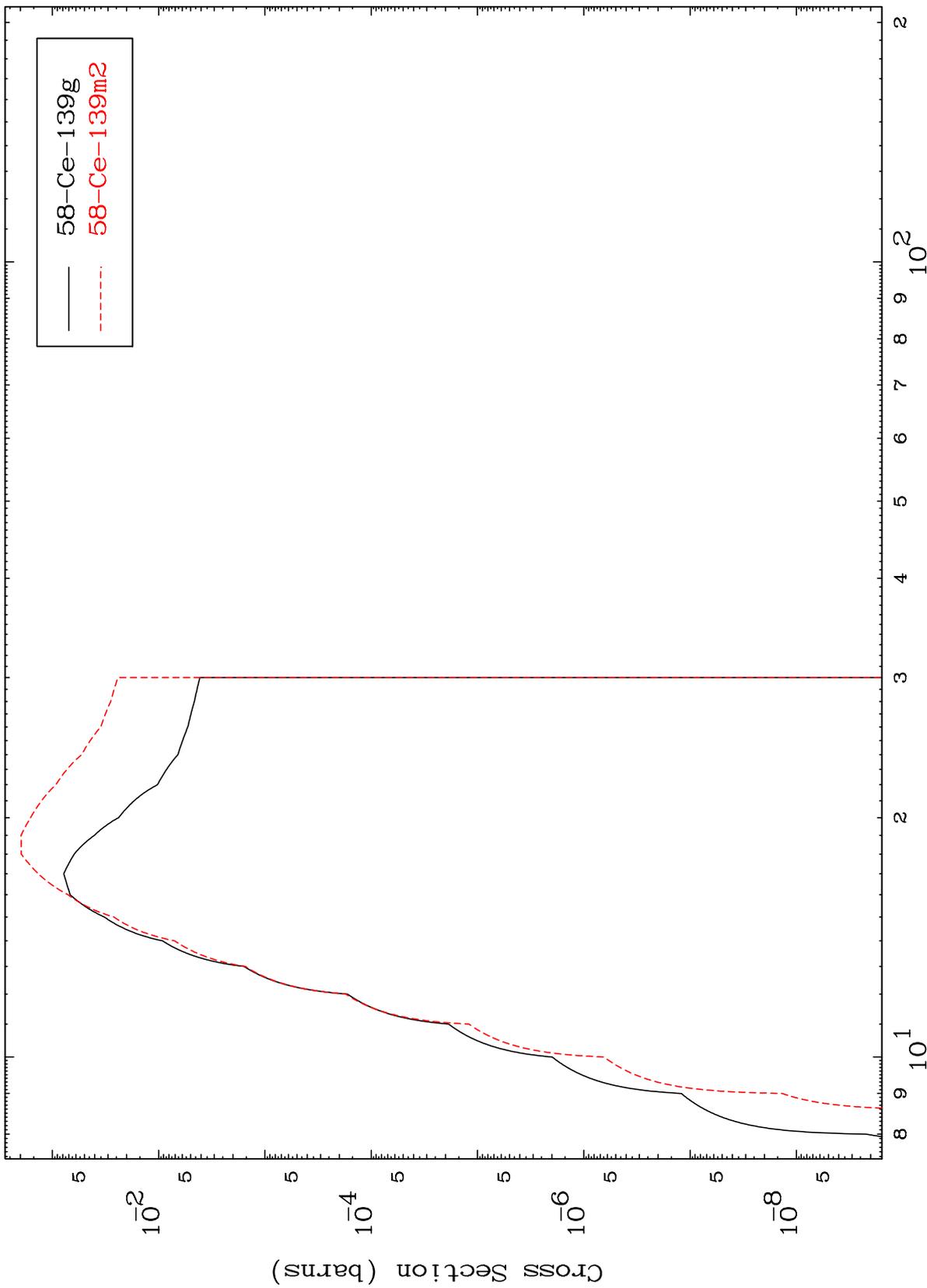
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

$\alpha$  Inelastic  
Radionuclide Production Cross Section



56-Ba-136

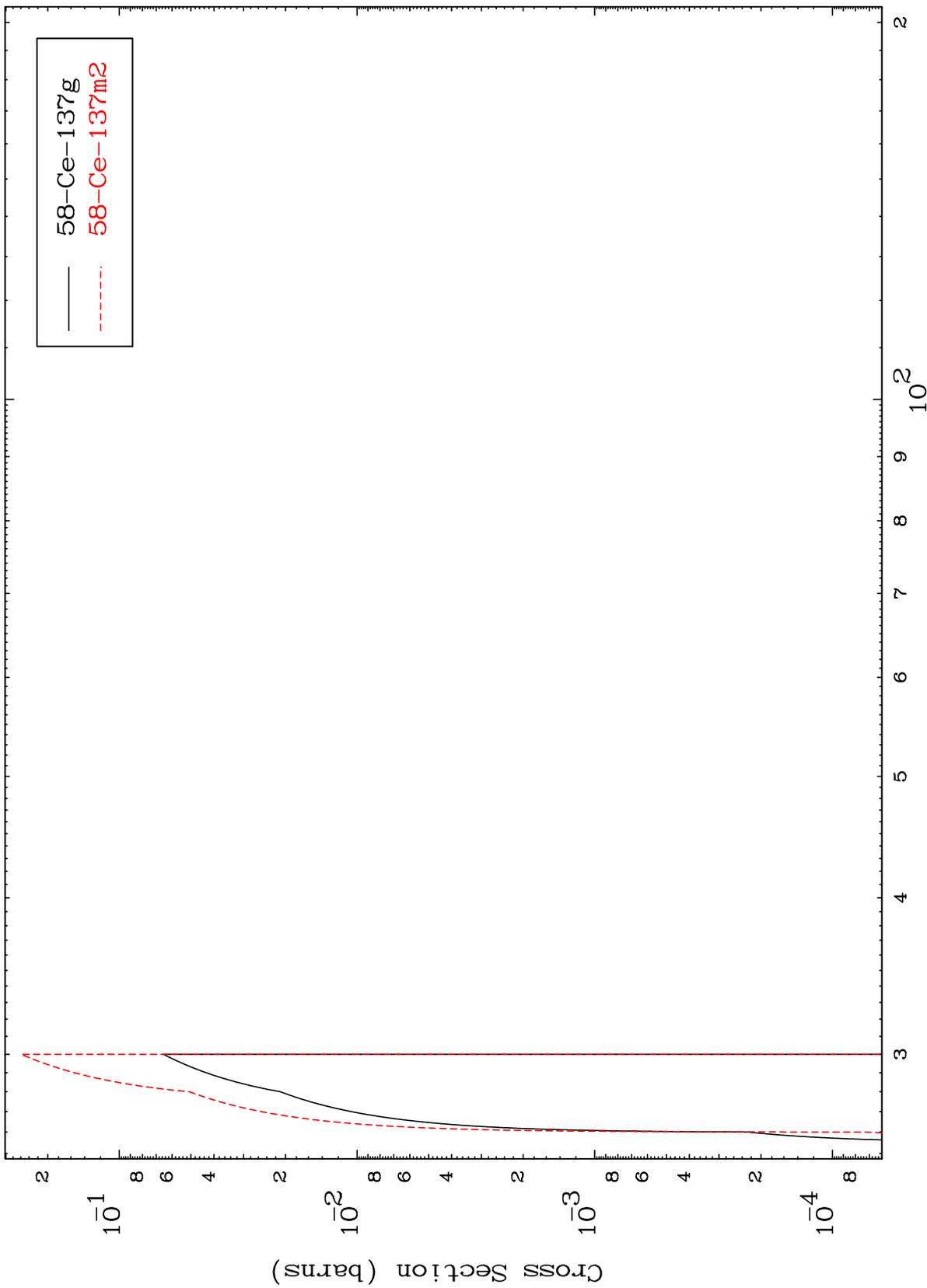
Incident Energy (MeV)

11

MAT 5643

56-Ba-136

( $\alpha, 3n$ )  
Radionuclide Production Cross Section



12

Incident Energy (MeV)

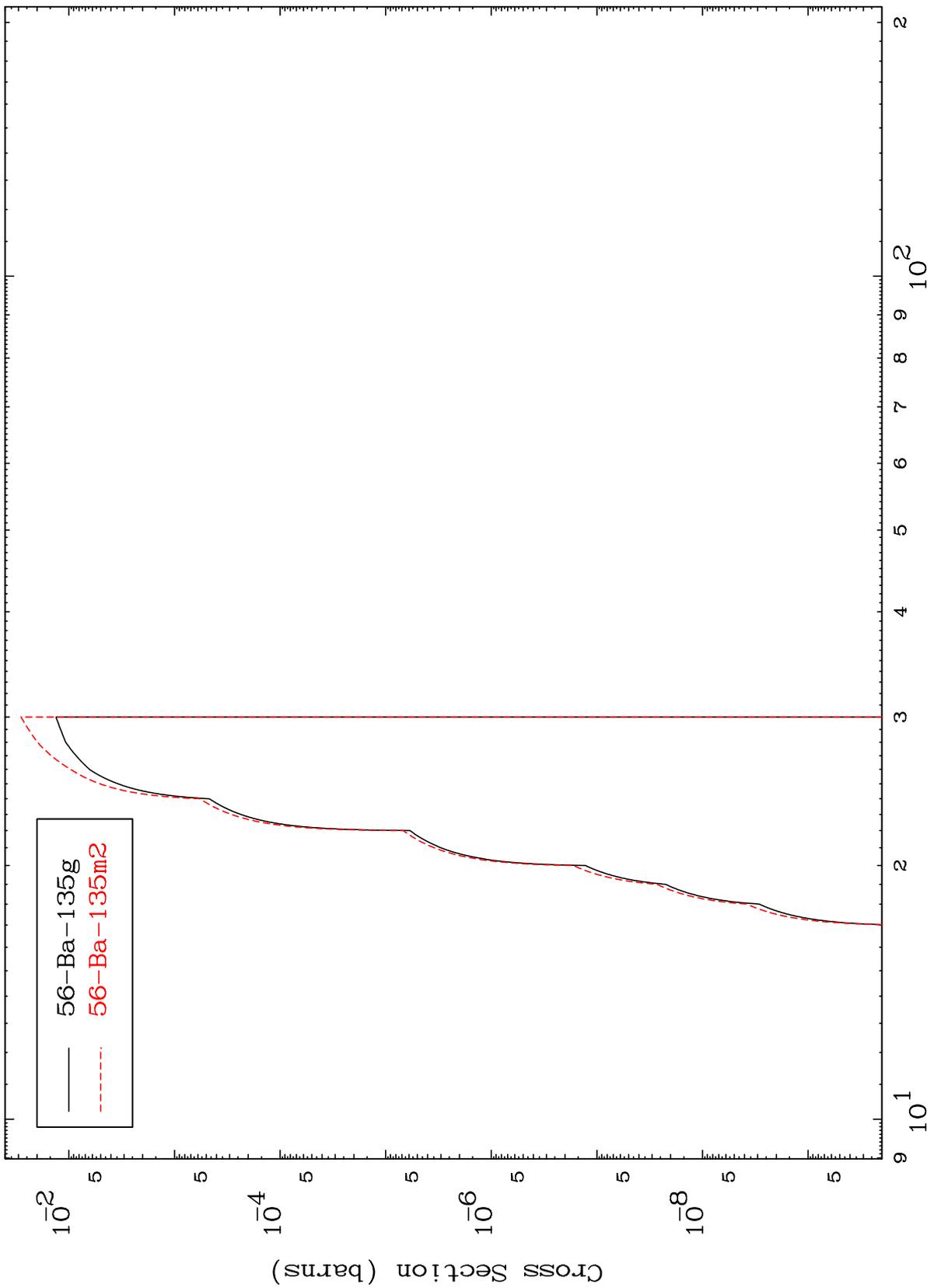
56-Ba-136

MAT 5643

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

56-Ba-136

Radionuclide Production Cross Section



13

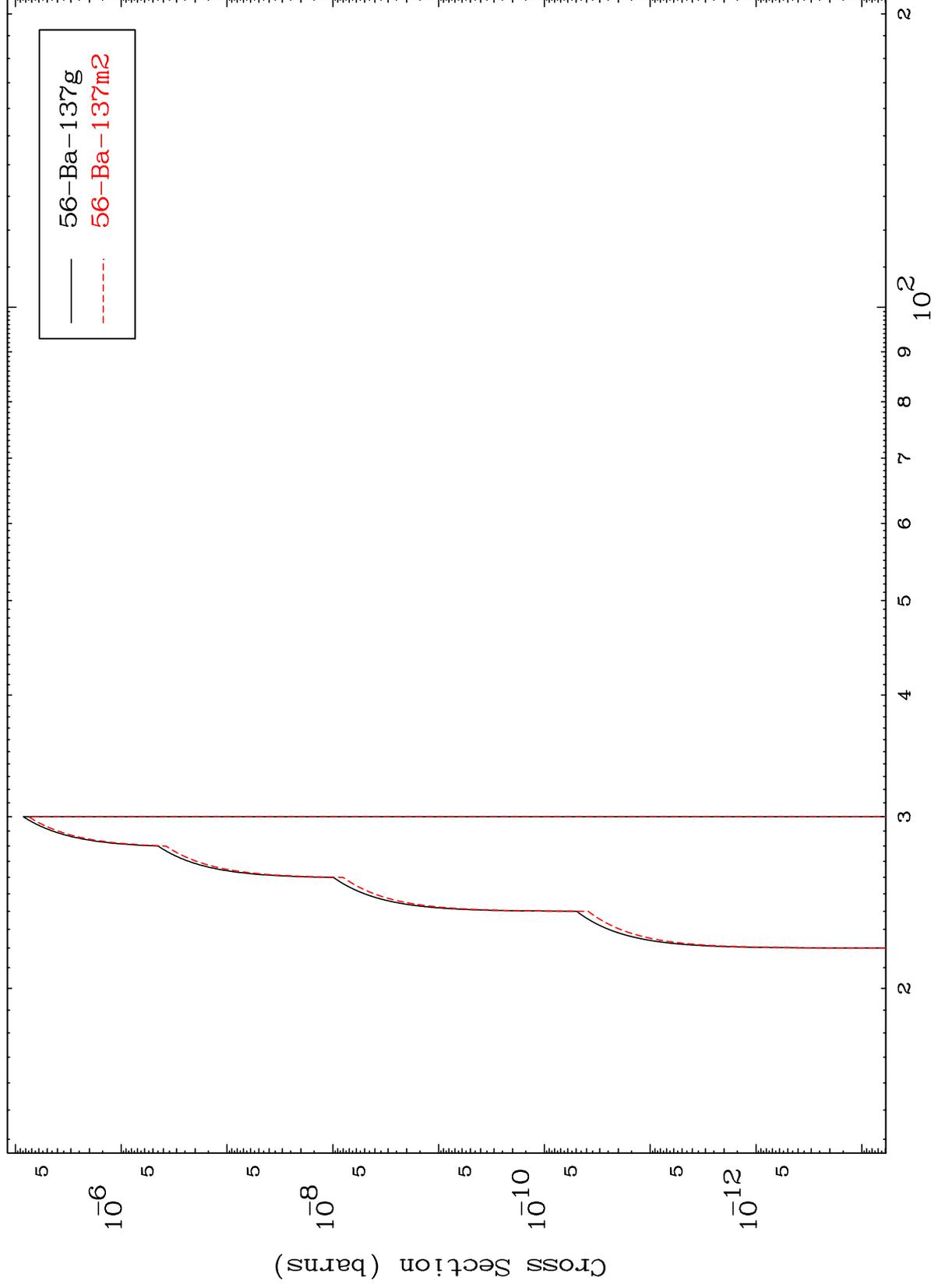
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

( $\alpha, \text{He-3}$ )  
Radionuclide Production Cross Section



14

56-Ba-136

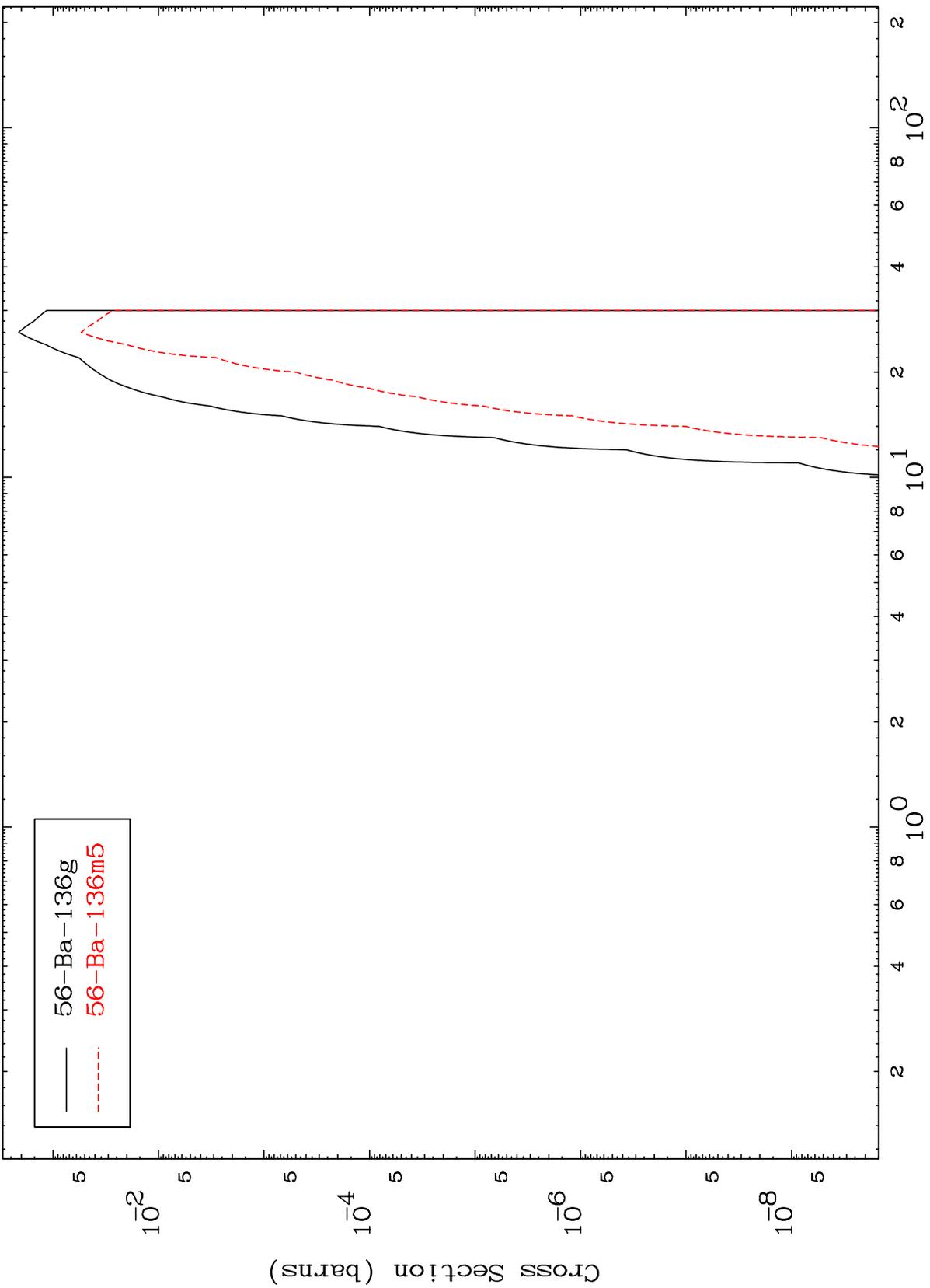
Incident Energy (MeV)

MAT 5643

( $\alpha, \alpha$ )

56-Ba-136

Radionuclide Production Cross Section



56-Ba-136g  
56-Ba-136m5

15

Incident Energy (MeV)

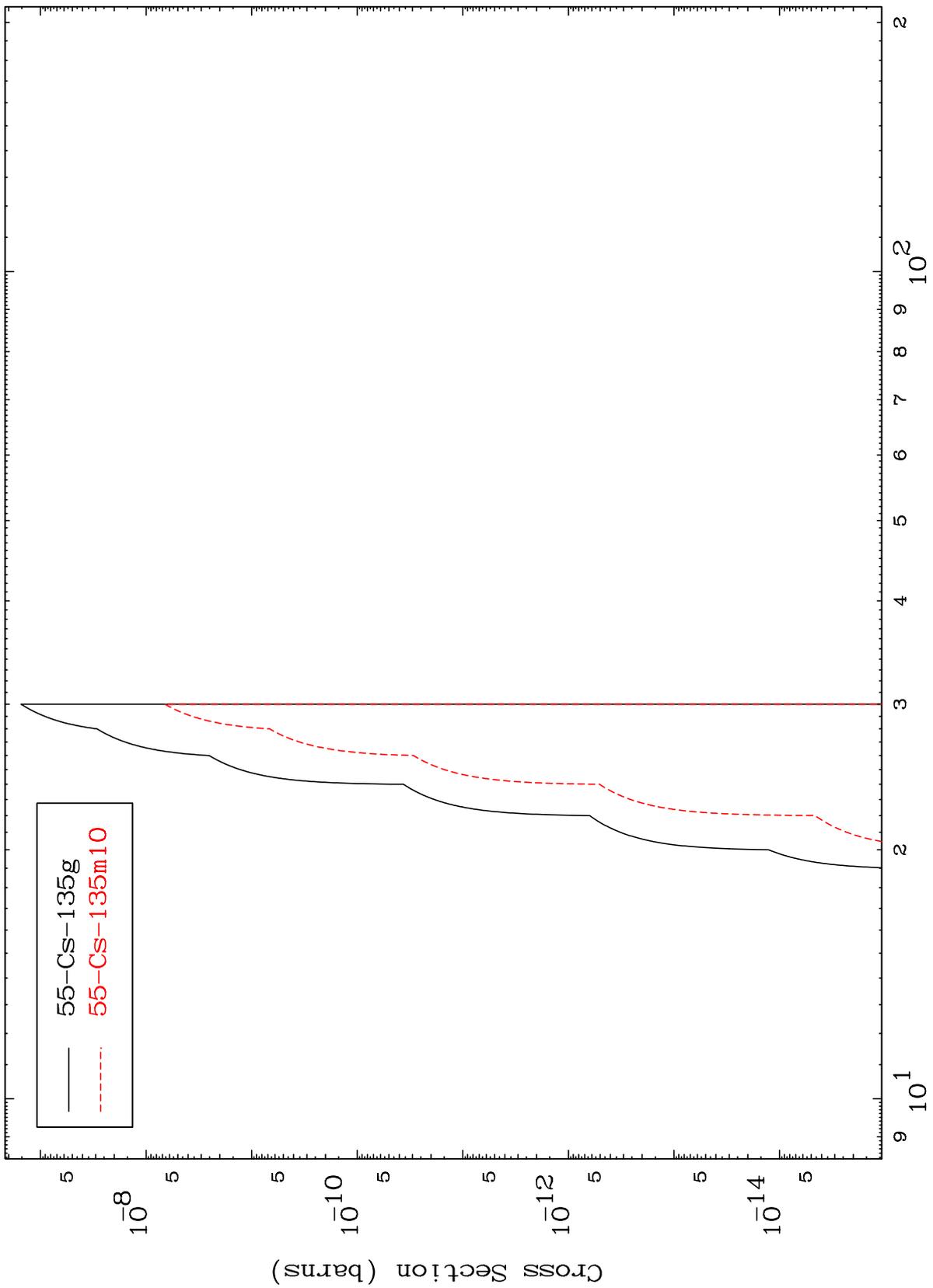
56-Ba-136

MAT 5643

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

56-Ba-136

Radionuclide Production Cross Section



16

Incident Energy (MeV)

56-Ba-136