

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

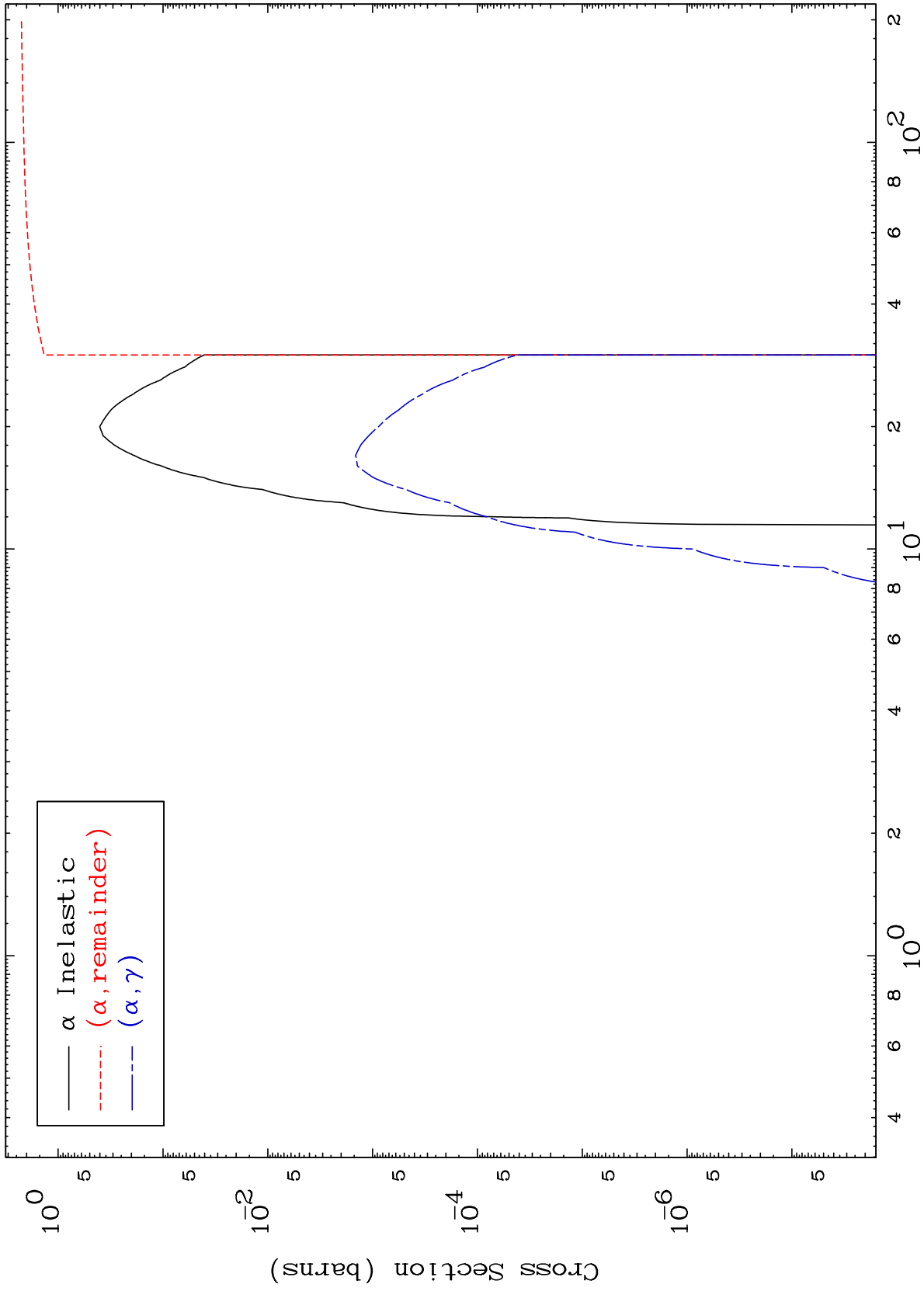
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5501

0 Kelvin  $\alpha$  Major  
Cross Sections

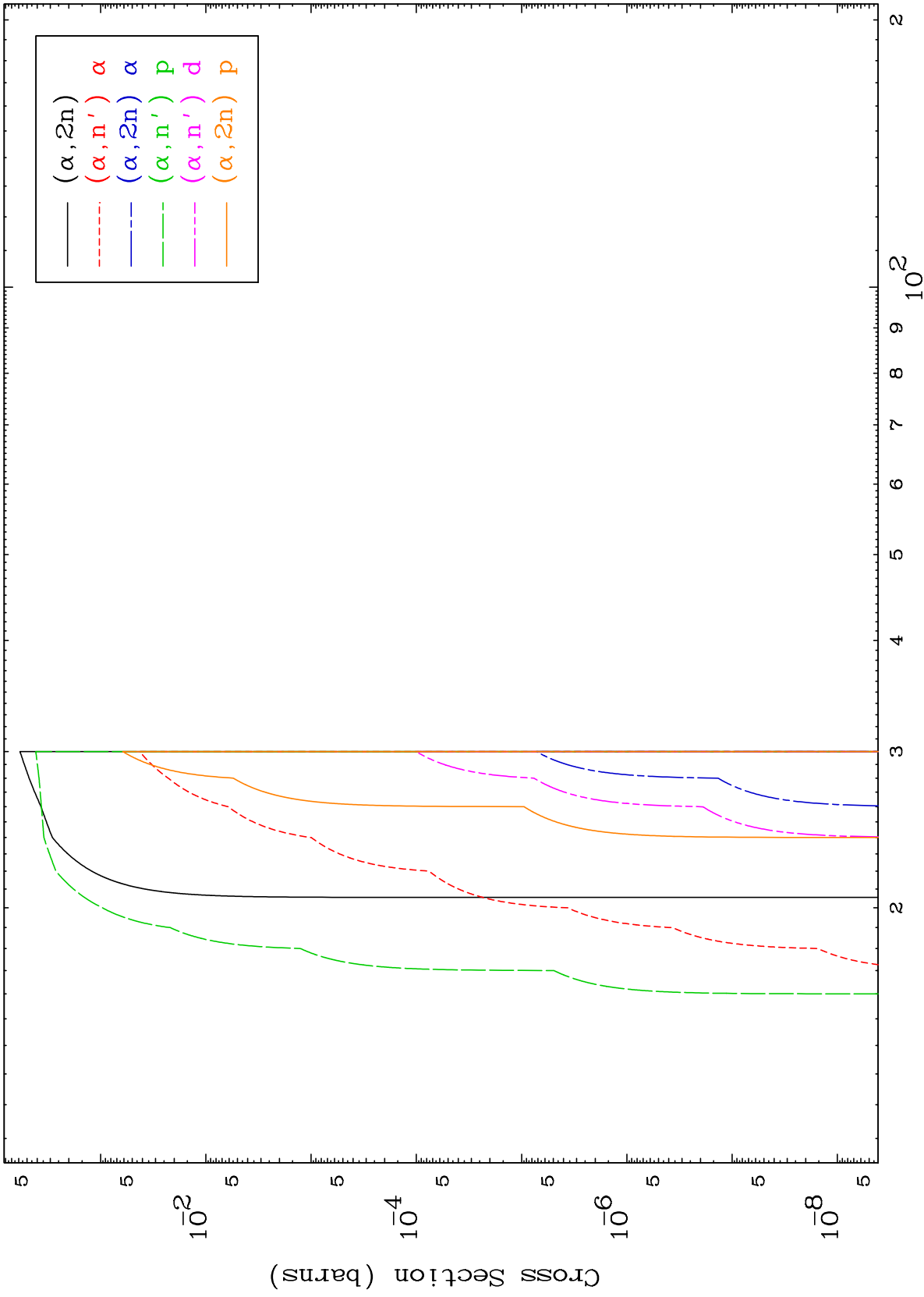
55-Cs-125



MAT 5501

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

55-Cs-125



2

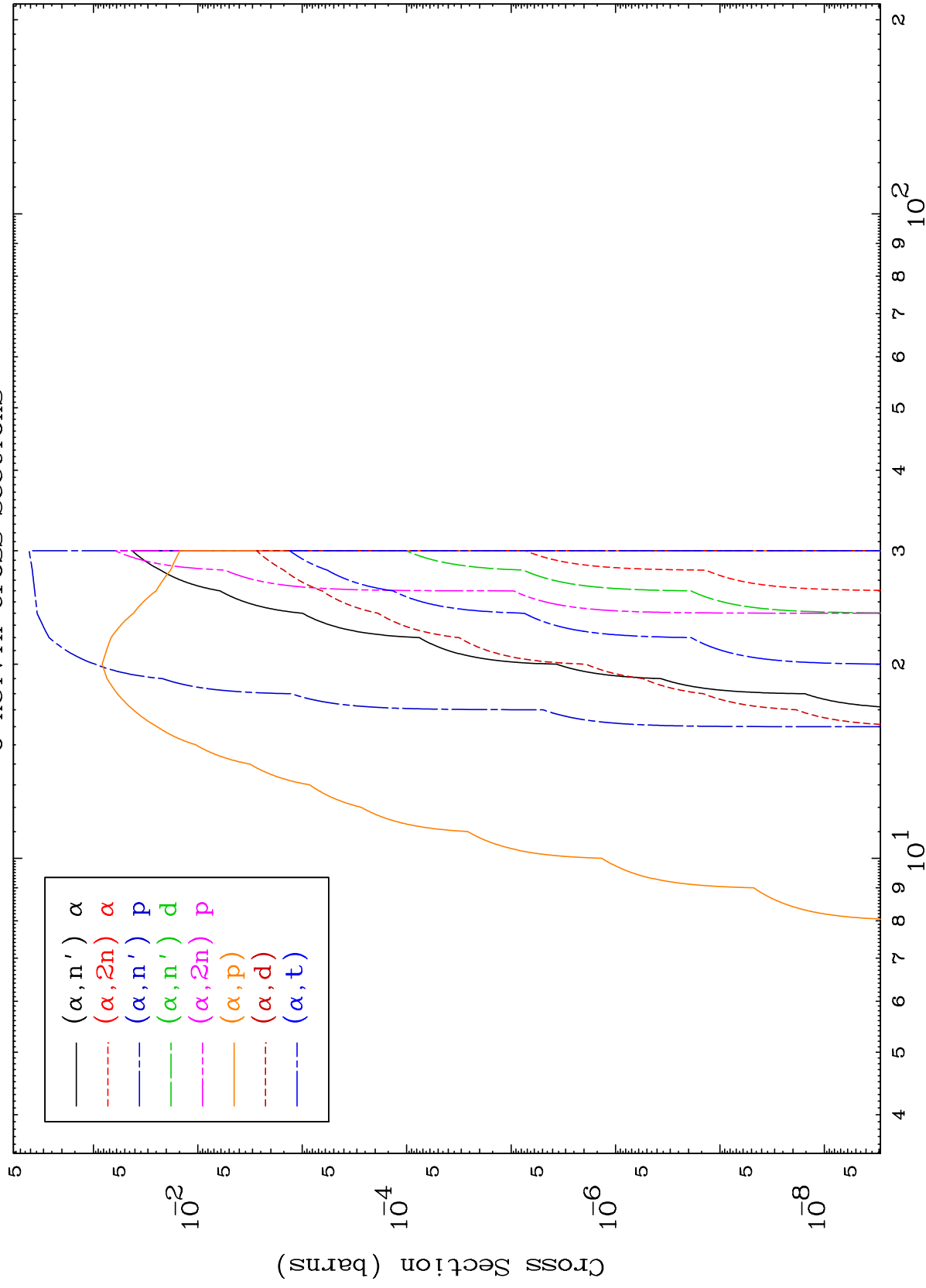
Incident Energy (MeV)

55-Cs-125

MAT 5501

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

55-Cs-125



3

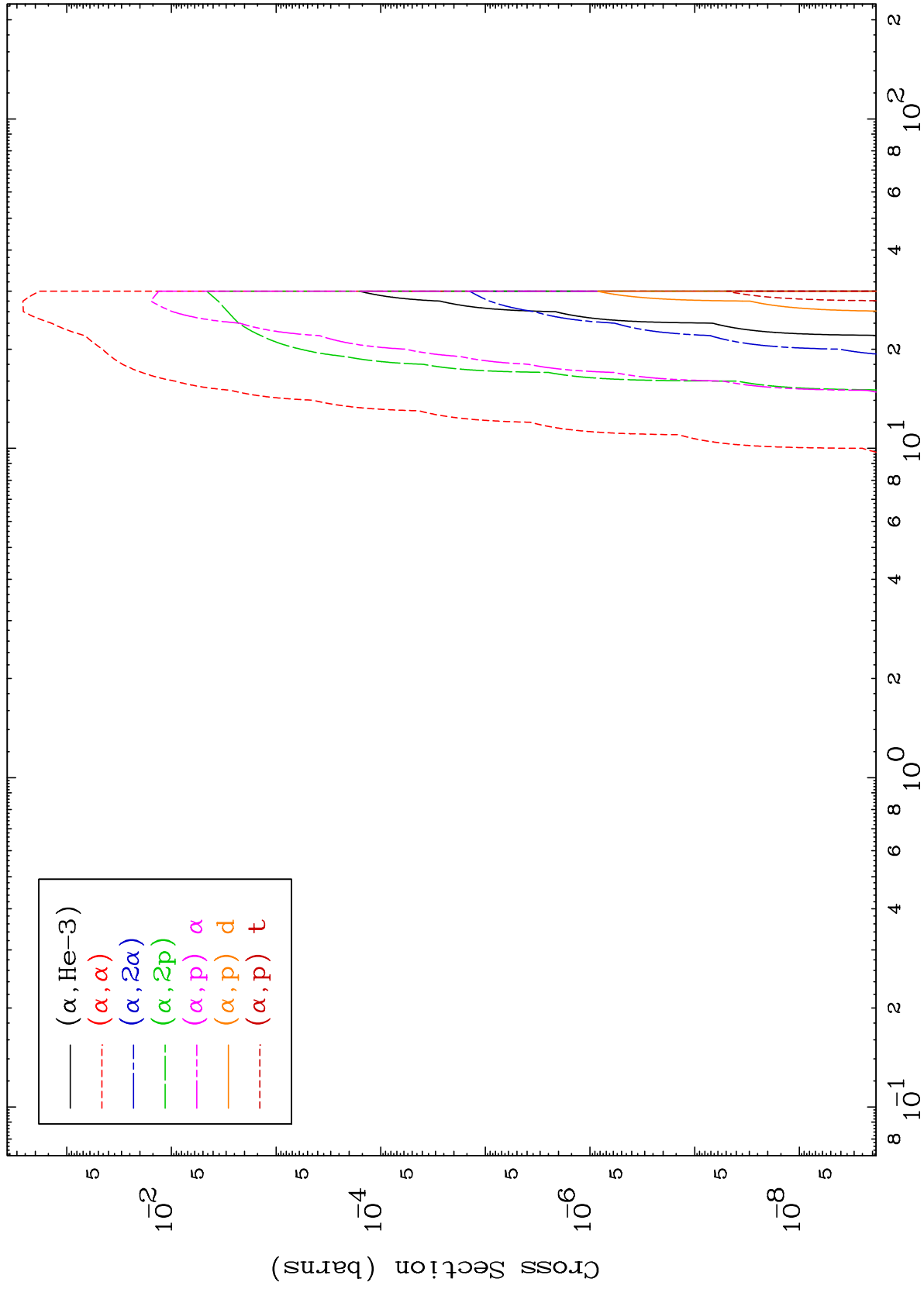
Incident Energy (MeV)

55-Cs-125

MAT 5501

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

55-Cs-125



4

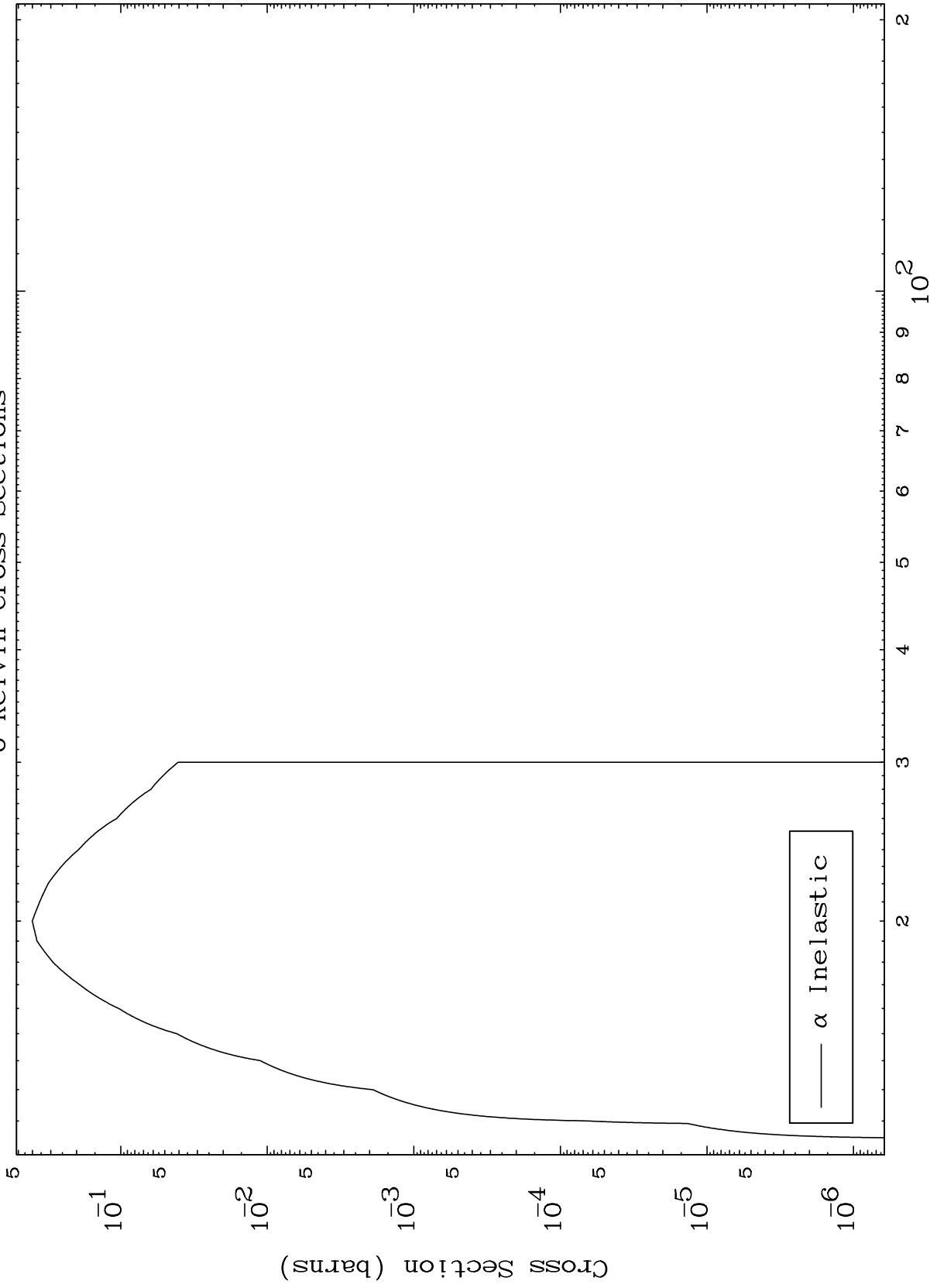
Incident Energy (MeV)

55-Cs-125

MAT 5501

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

55-Cs-125



5

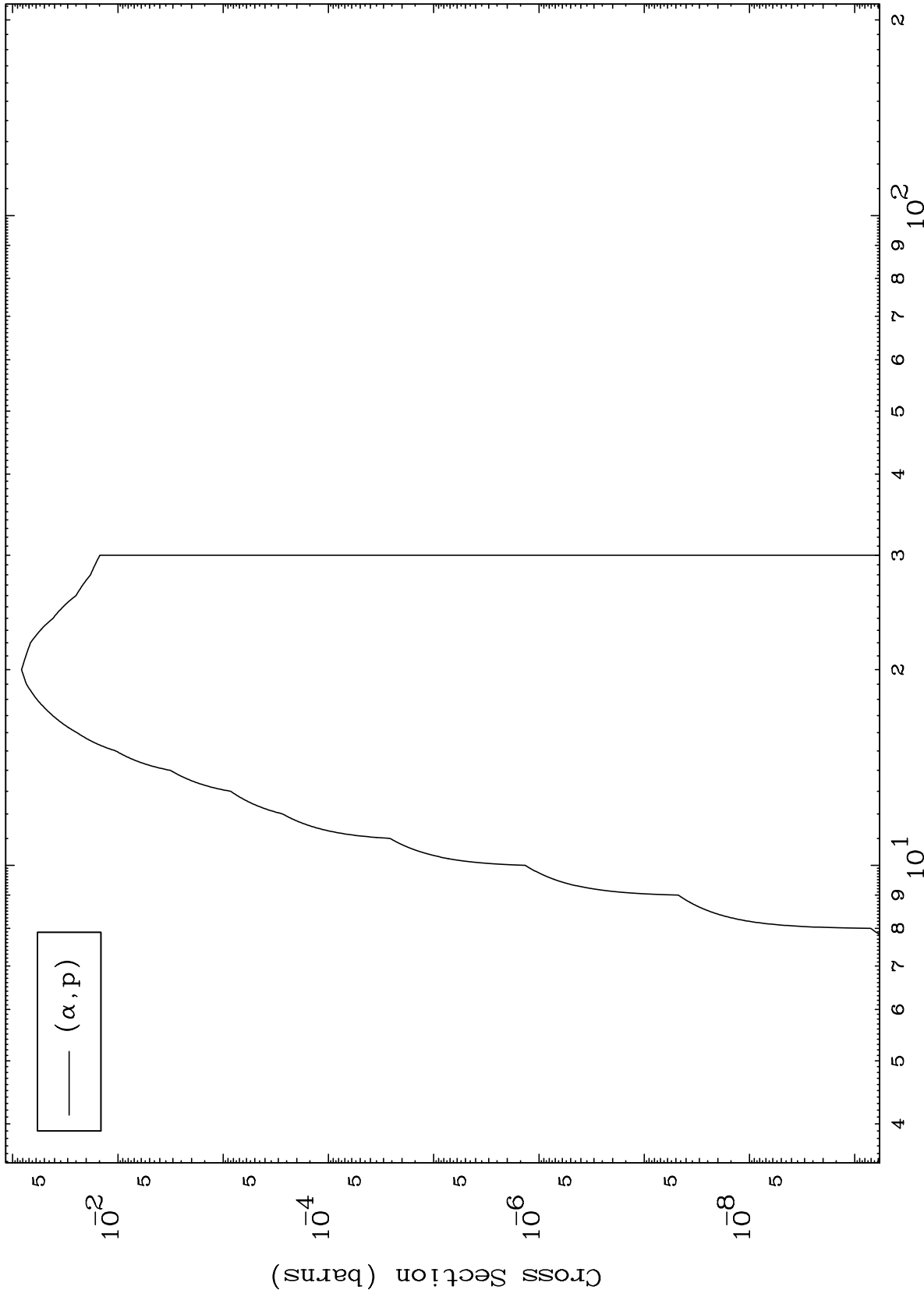
Incident Energy (MeV)

55-Cs-125

MAT 5501

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

55-Cs-125



6

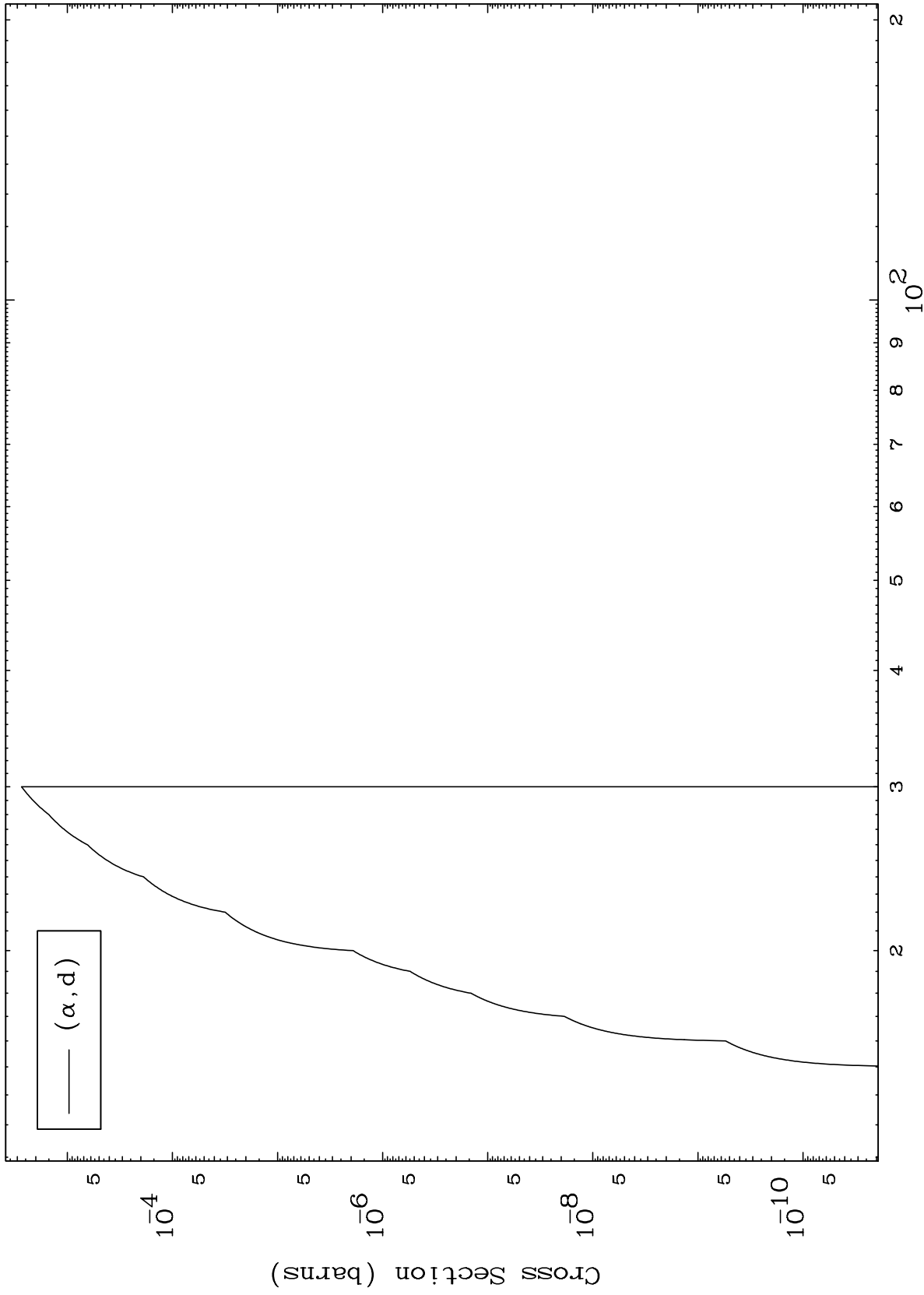
Incident Energy (MeV)

55-Cs-125

MAT 5501

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

55-Cs-125



7

Incident Energy (MeV)

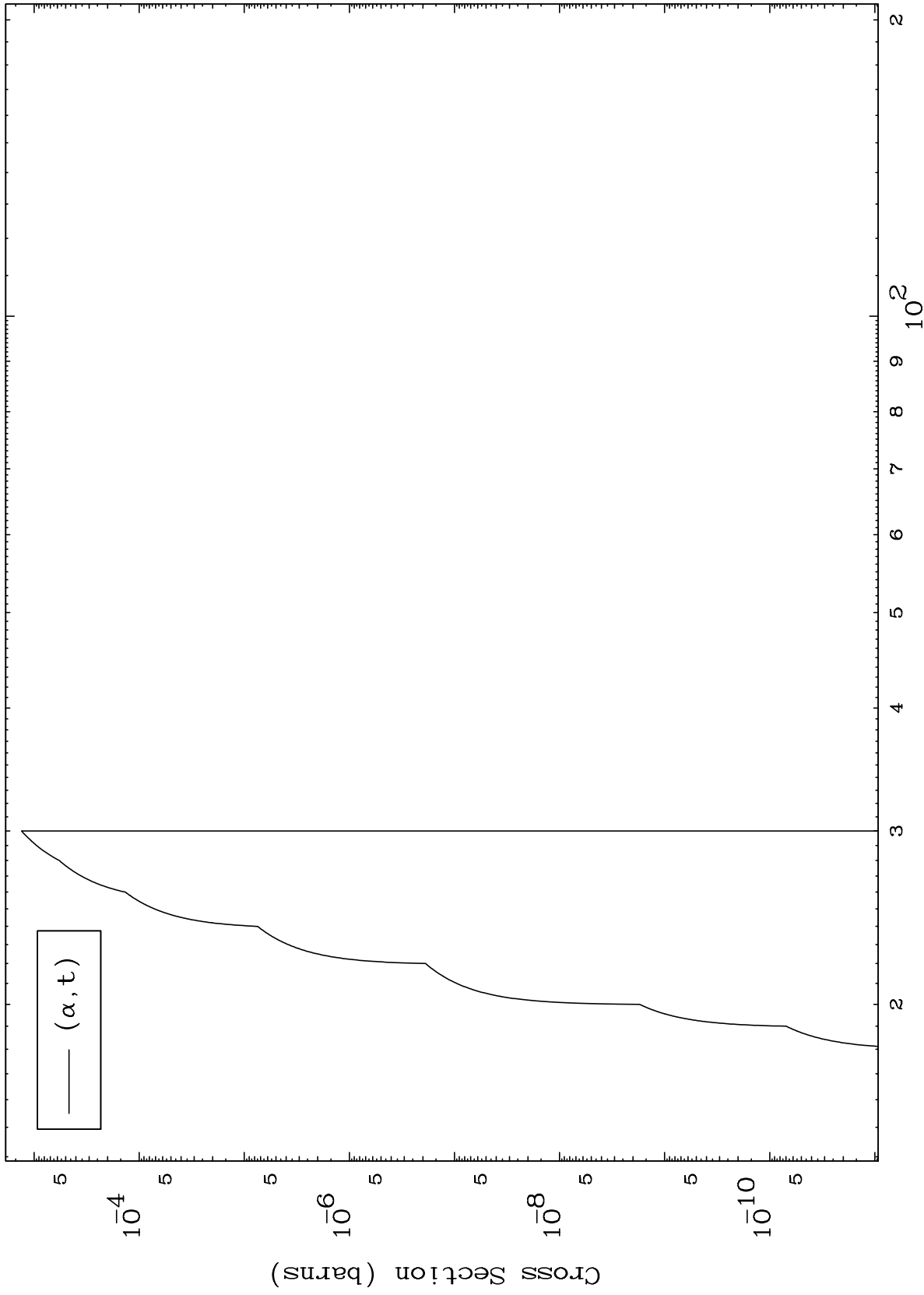
55-Cs-125



MAT 5501

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

55-Cs-125



8

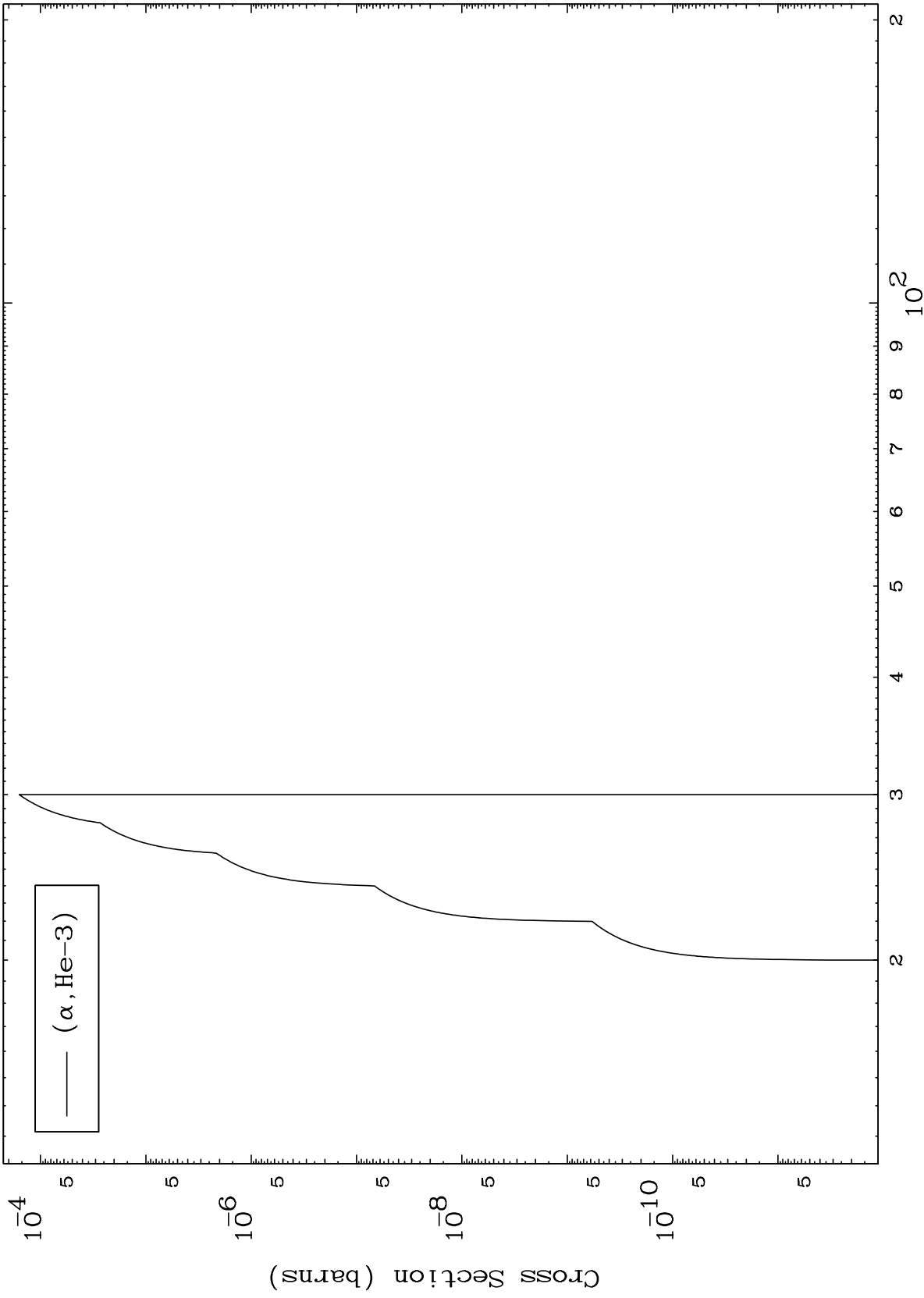
Incident Energy (MeV)

55-Cs-125

MAT 5501

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

55-Cs-125



9

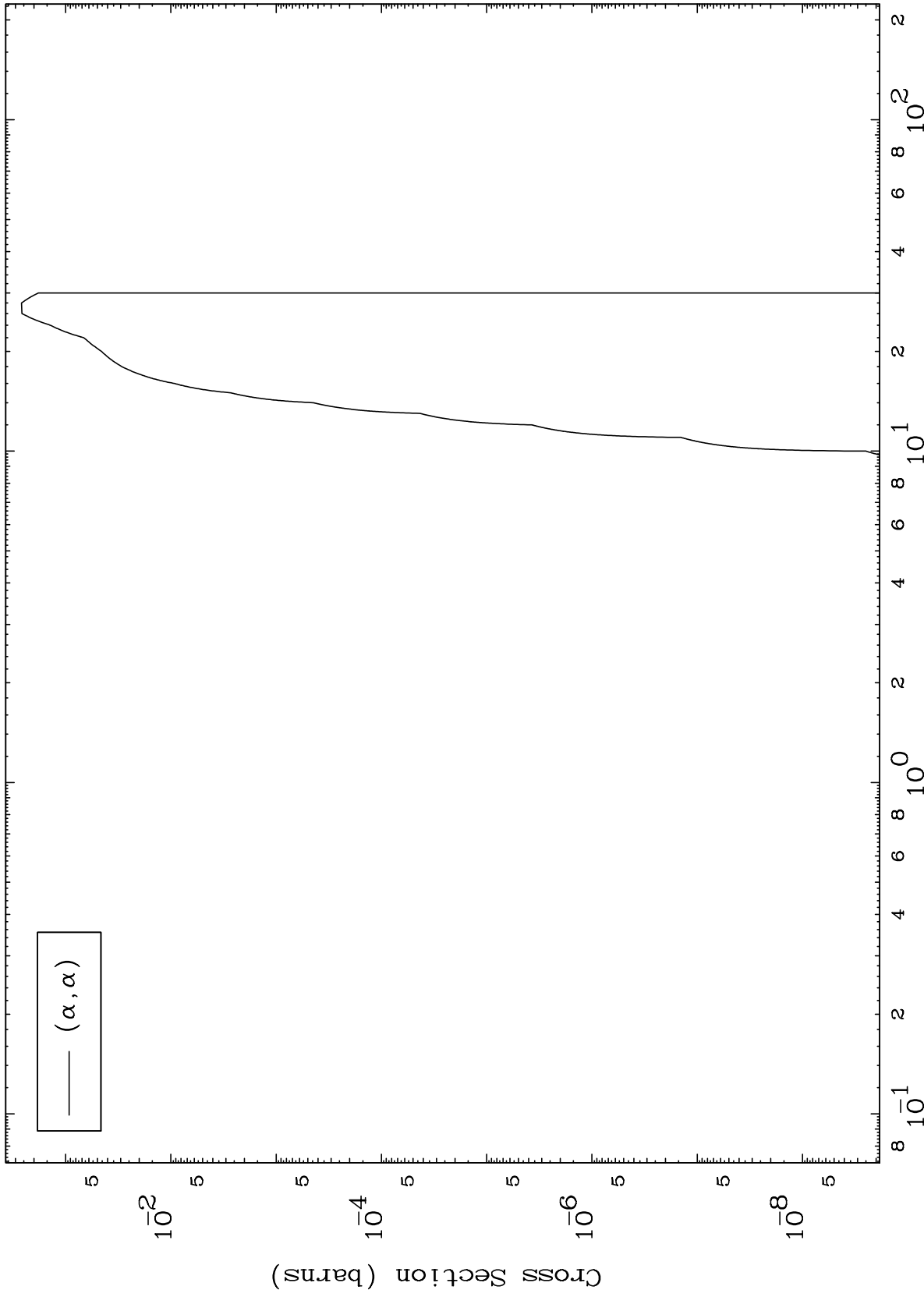
Incident Energy (MeV)

55-Cs-125

MAT 5501

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

55-Cs-125



10

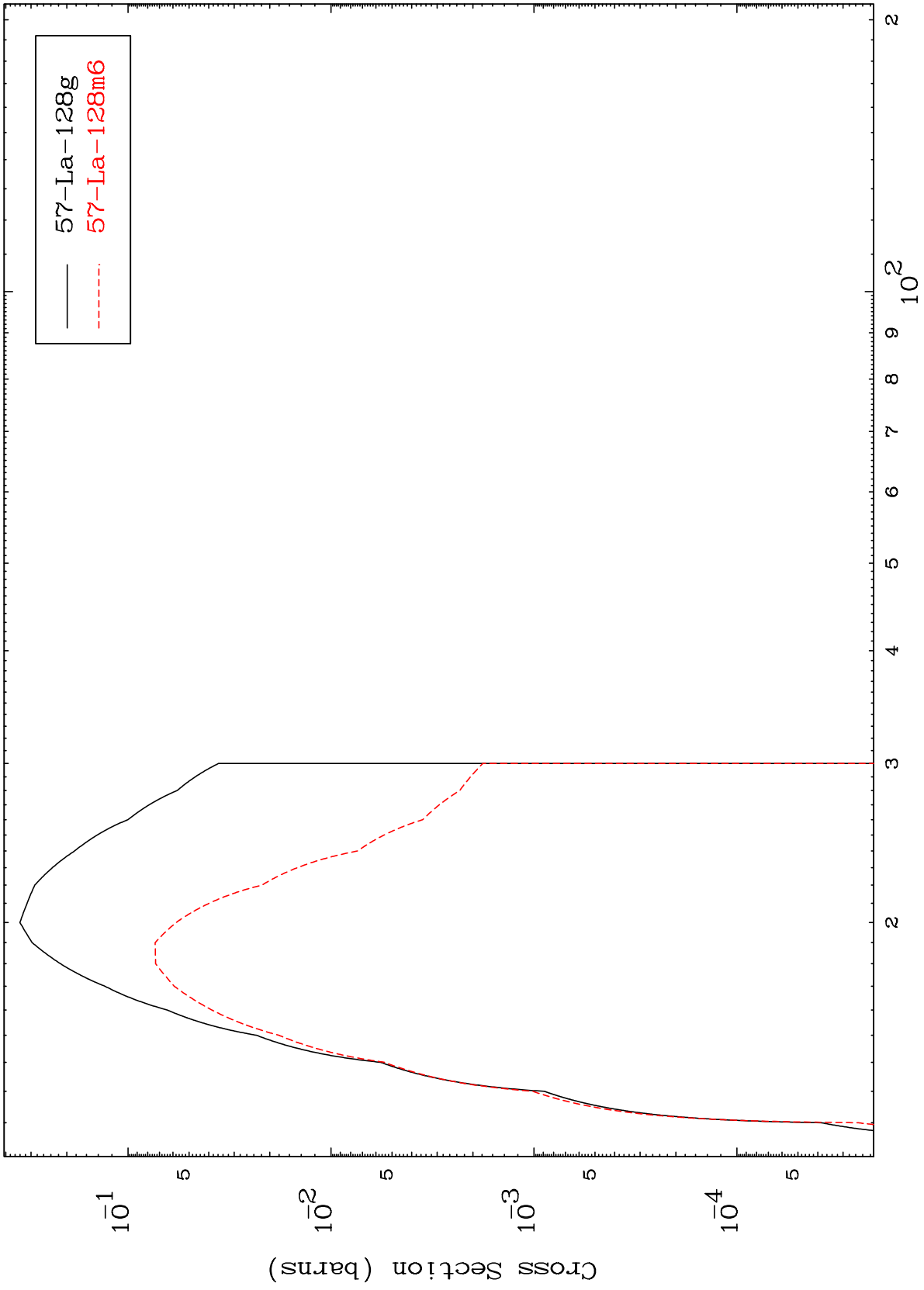
Incident Energy (MeV)

55-Cs-125

MAT 5501

$\alpha$  Inelastic  
Radionuclide Production Cross Section

55-Cs-125



57-La-128g  
57-La-128m6

11

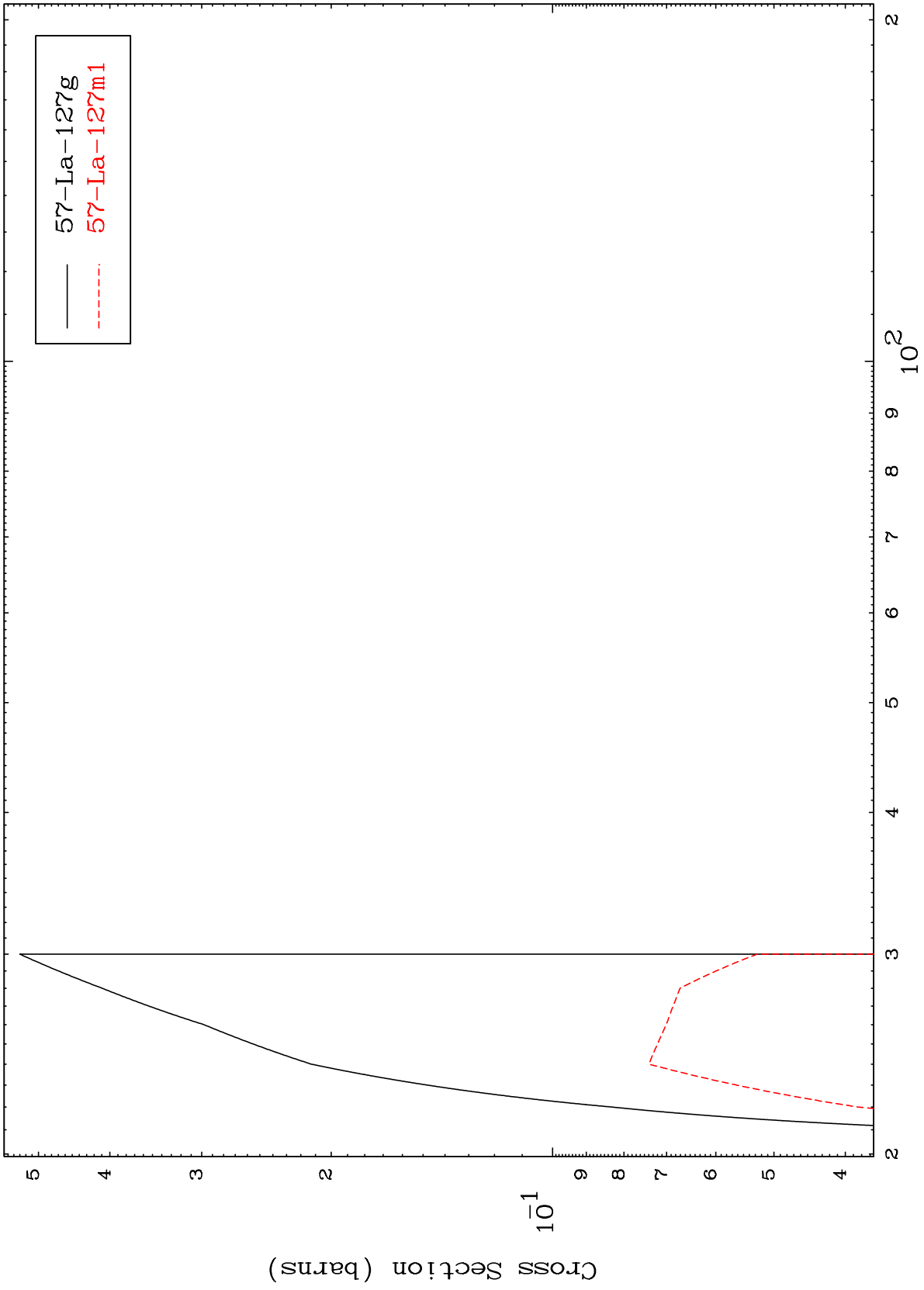
Incident Energy (MeV)

55-Cs-125

MAT 5501

55-Cs-125

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



12

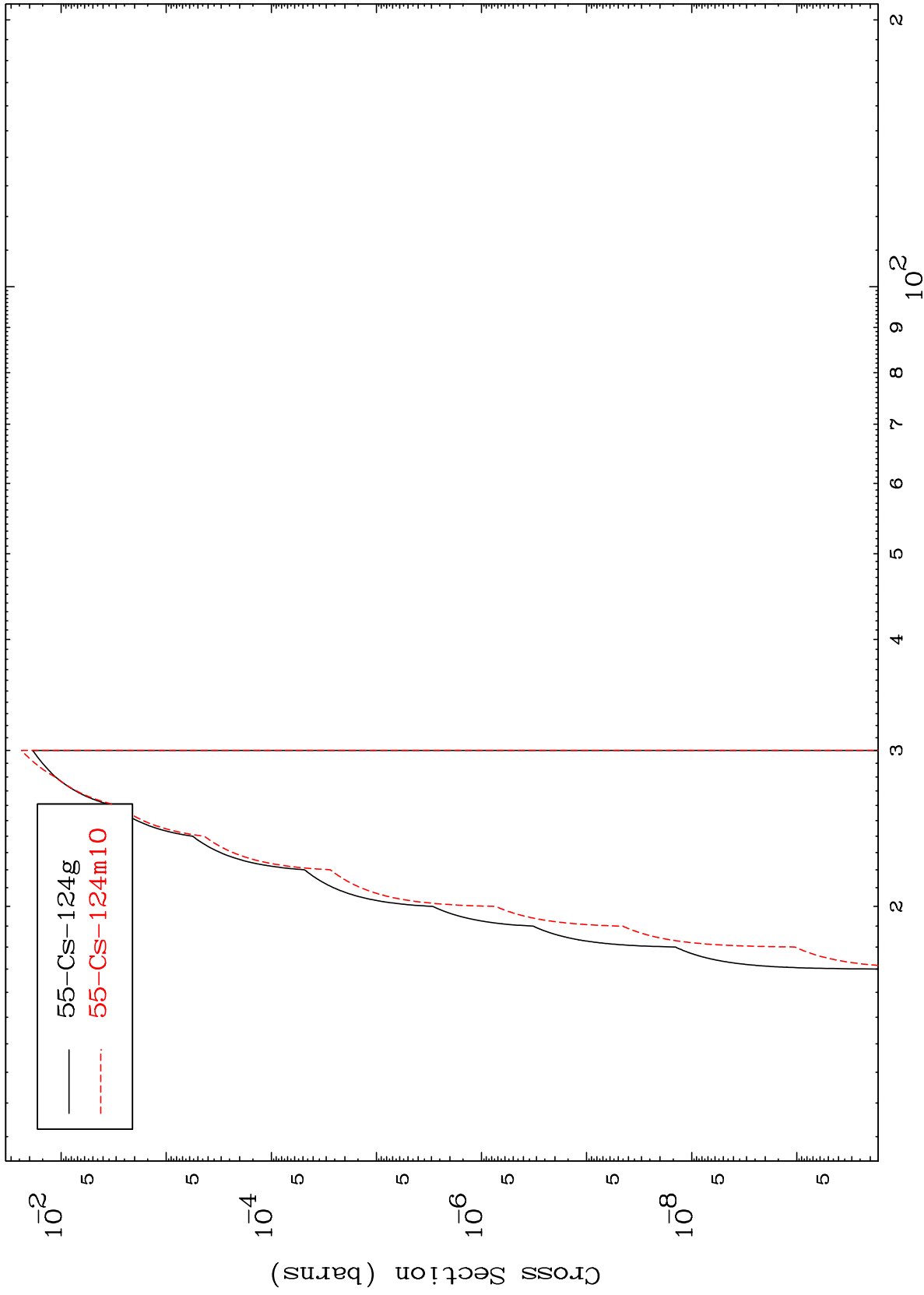
55-Cs-125

MAT 5501

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

55-Cs-125

Radionuclide Production Cross Section



13

Incident Energy (MeV)

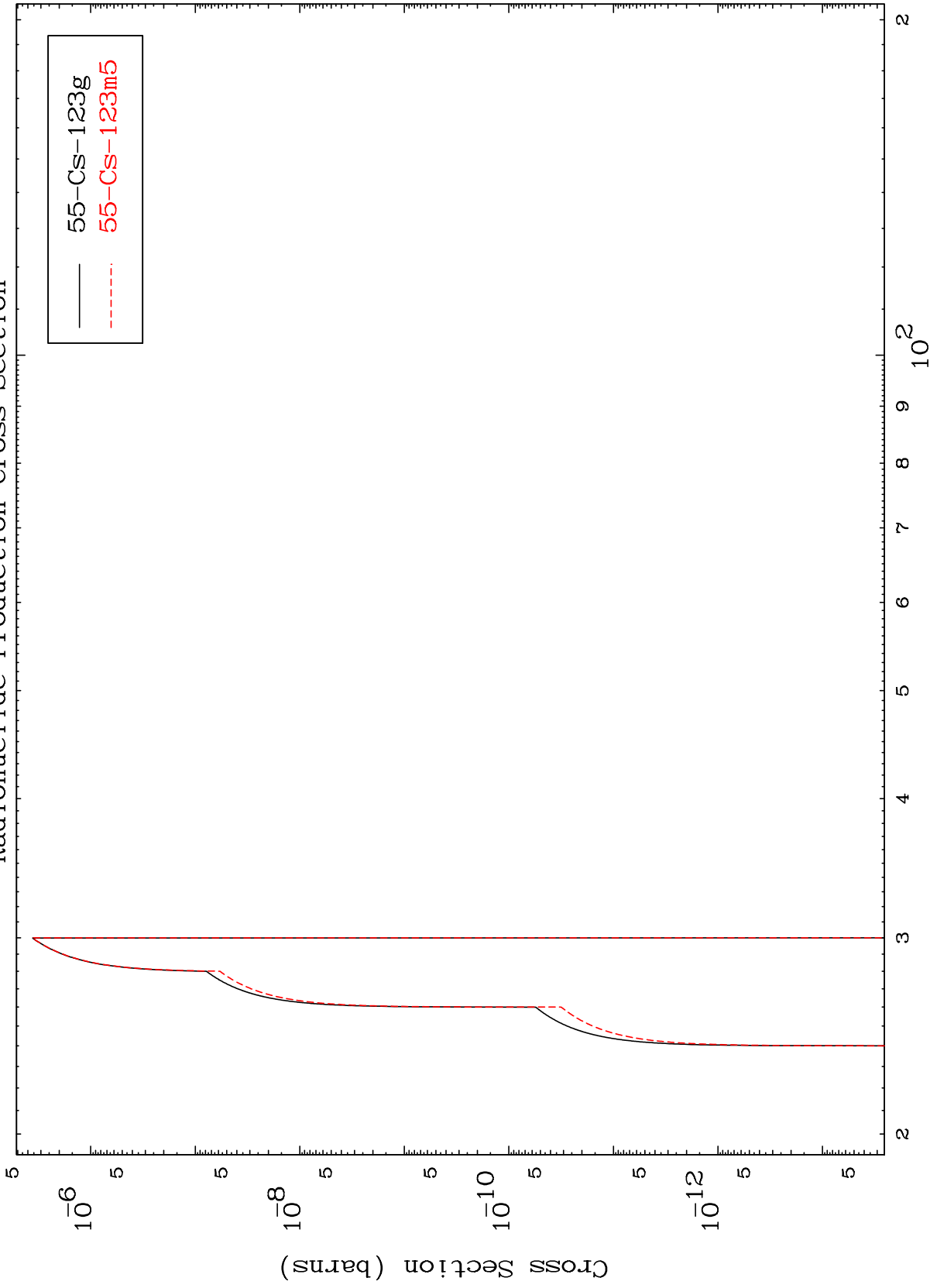
55-Cs-125

MAT 5501

$(\alpha, 2n) \alpha$

55-Cs-125

Radionuclide Production Cross Section



14

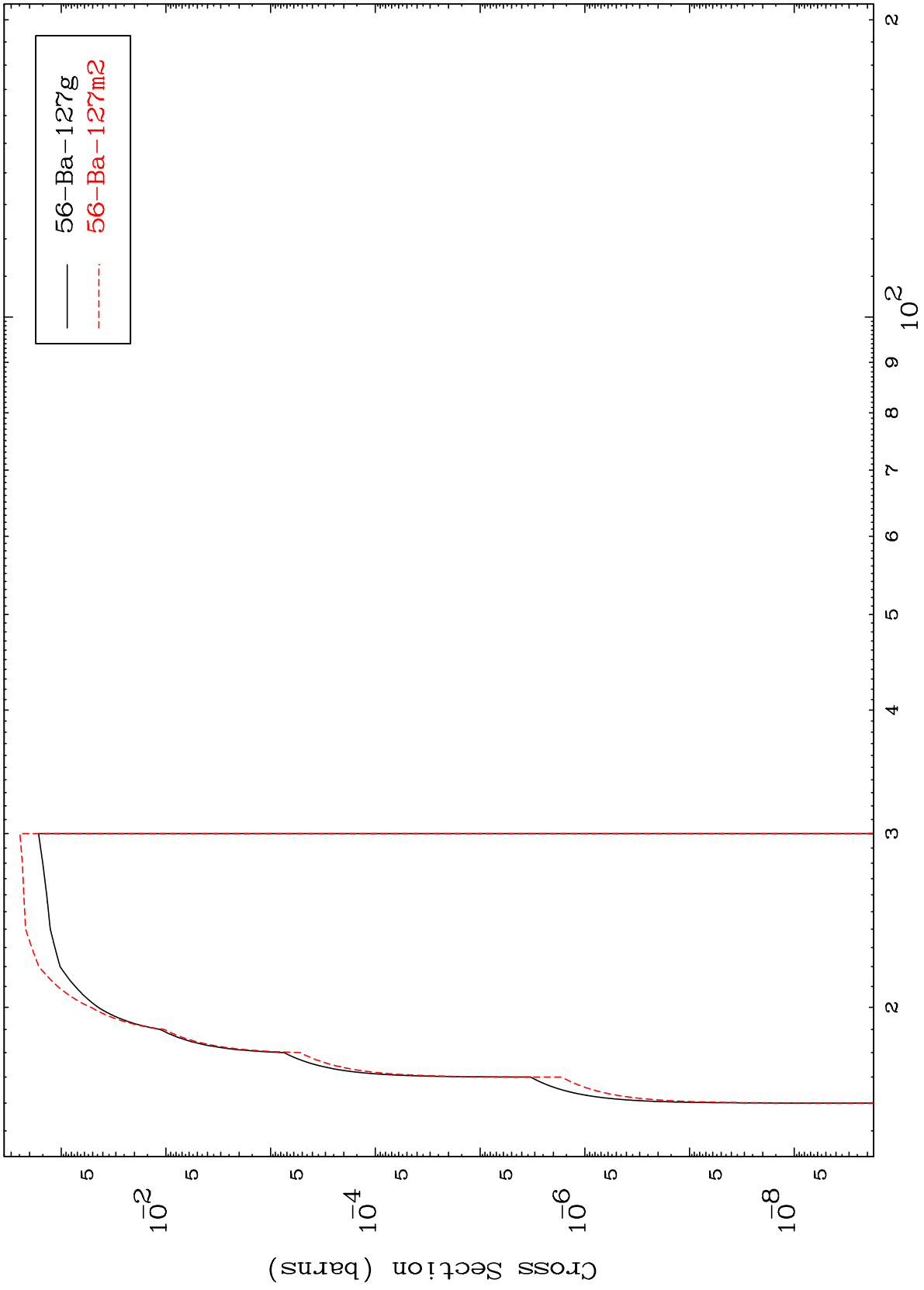
Incident Energy (MeV)

55-Cs-125

MAT 5501

55-Cs-125

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



15

Incident Energy (MeV)

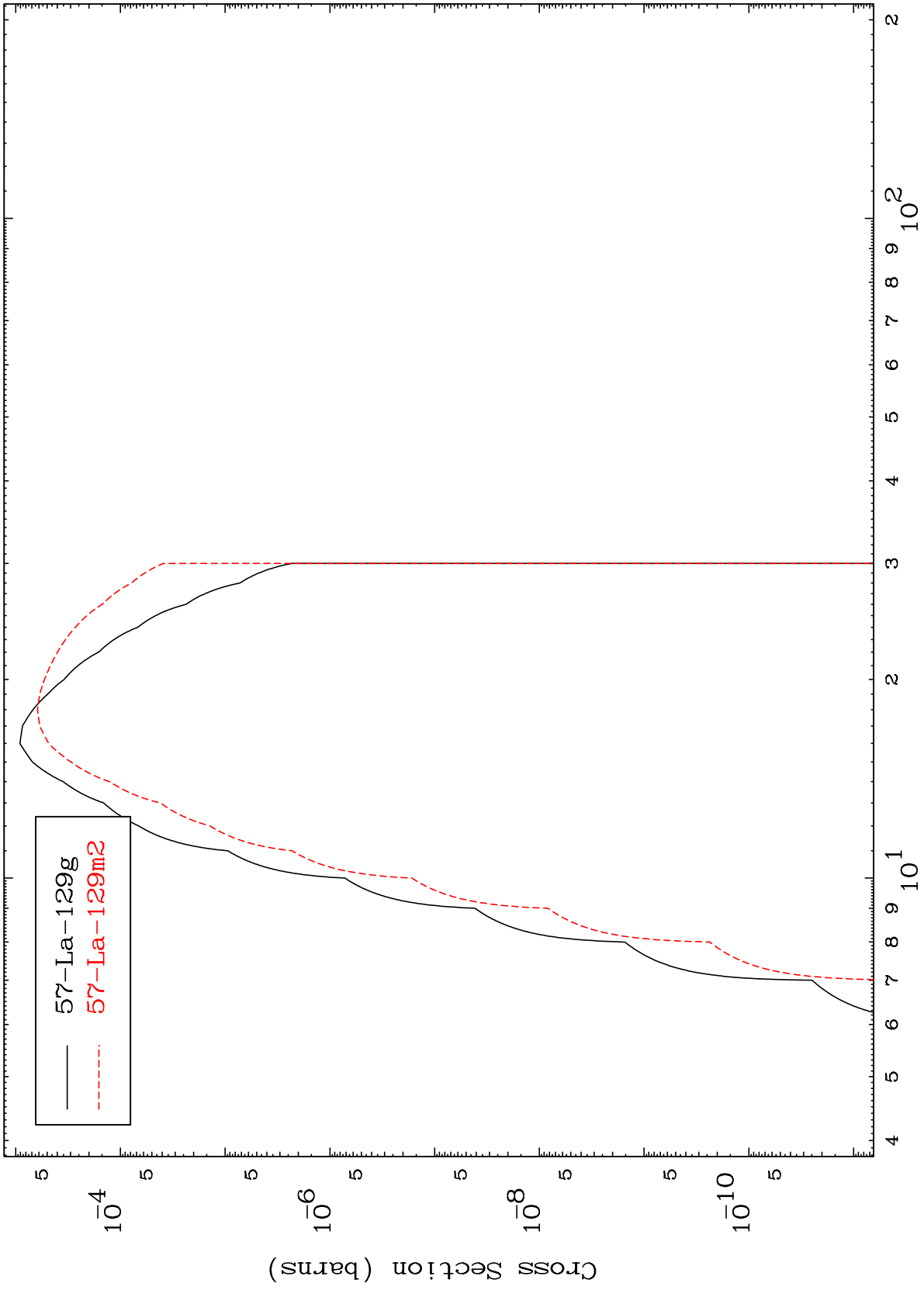
55-Cs-125



MAT 5501

55-Cs-125

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



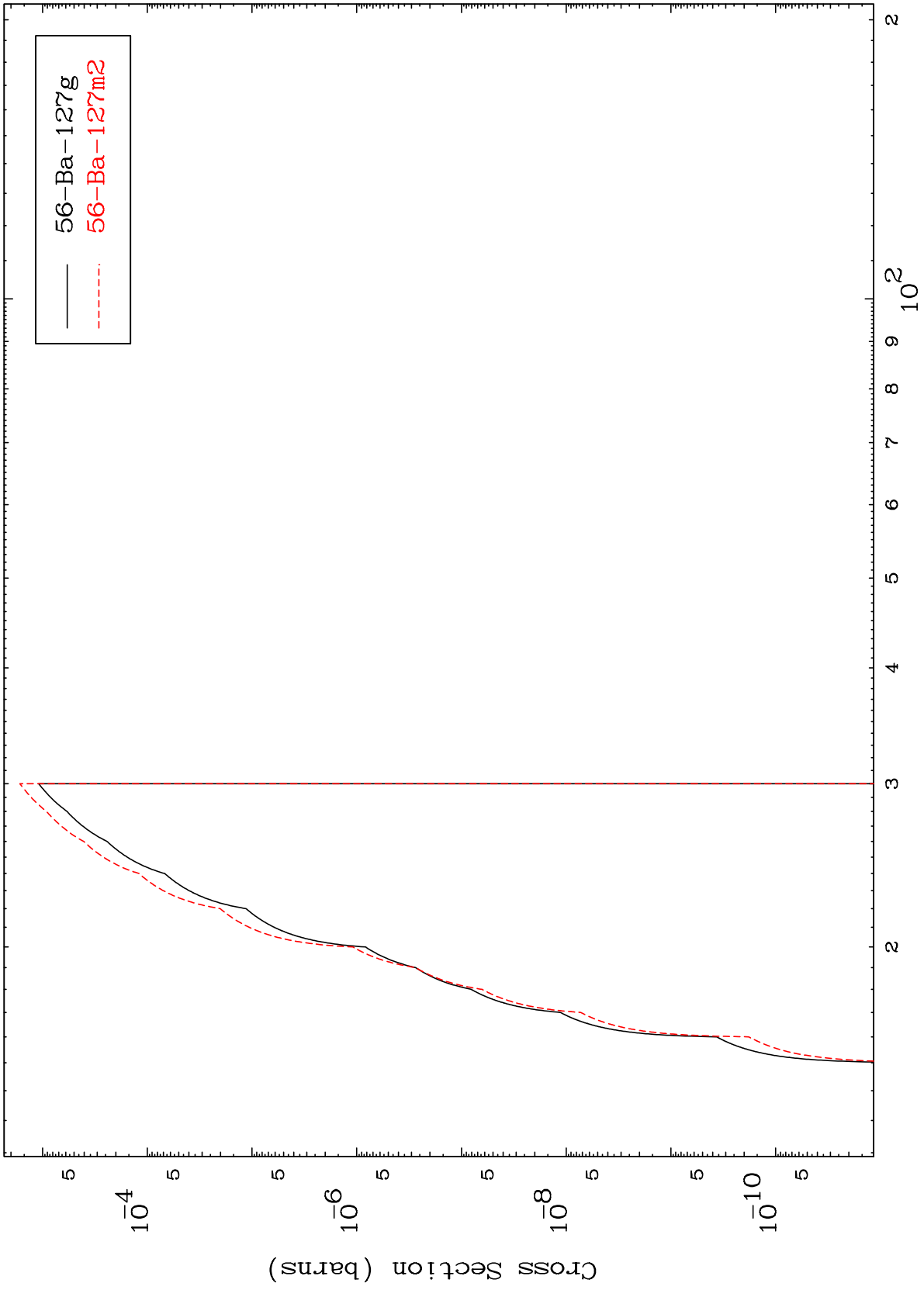
16

55-Cs-125

MAT 5501

55-Cs-125

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



17

Incident Energy (MeV)

55-Cs-125