

Program EVALPLOT  
(Version 2017-1)

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

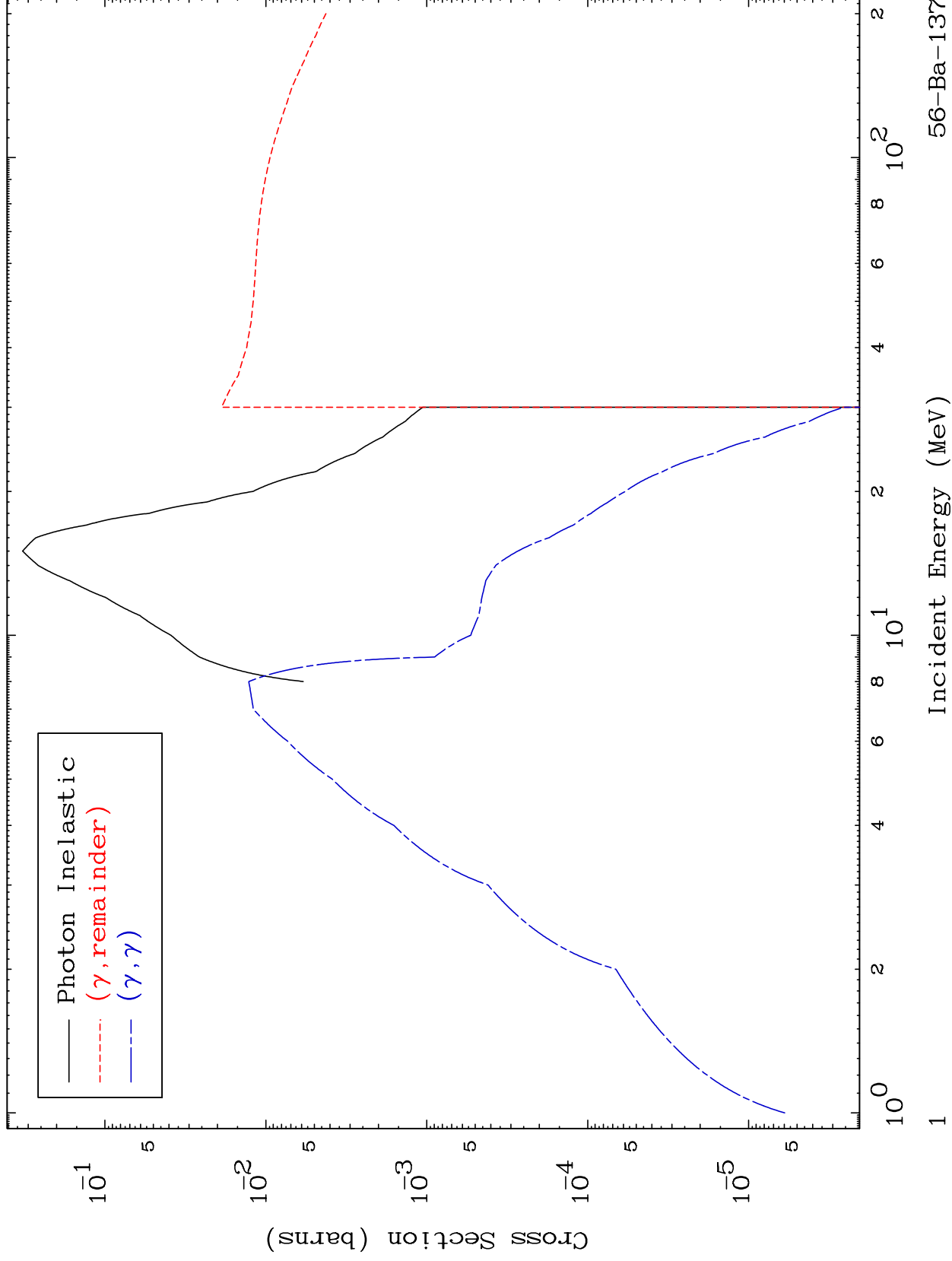
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5647

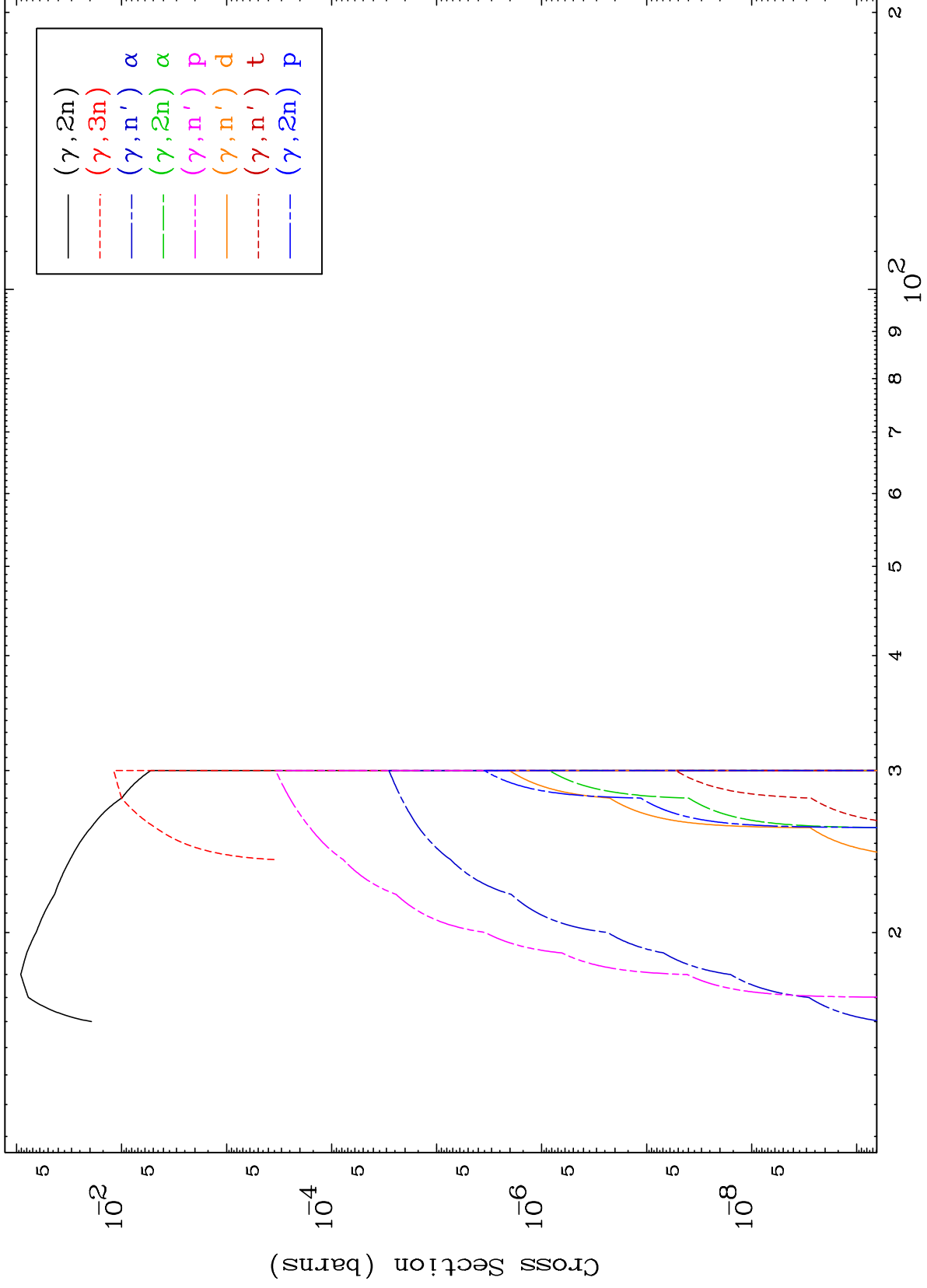
Photon Major  
0 Kelvin Cross Sections

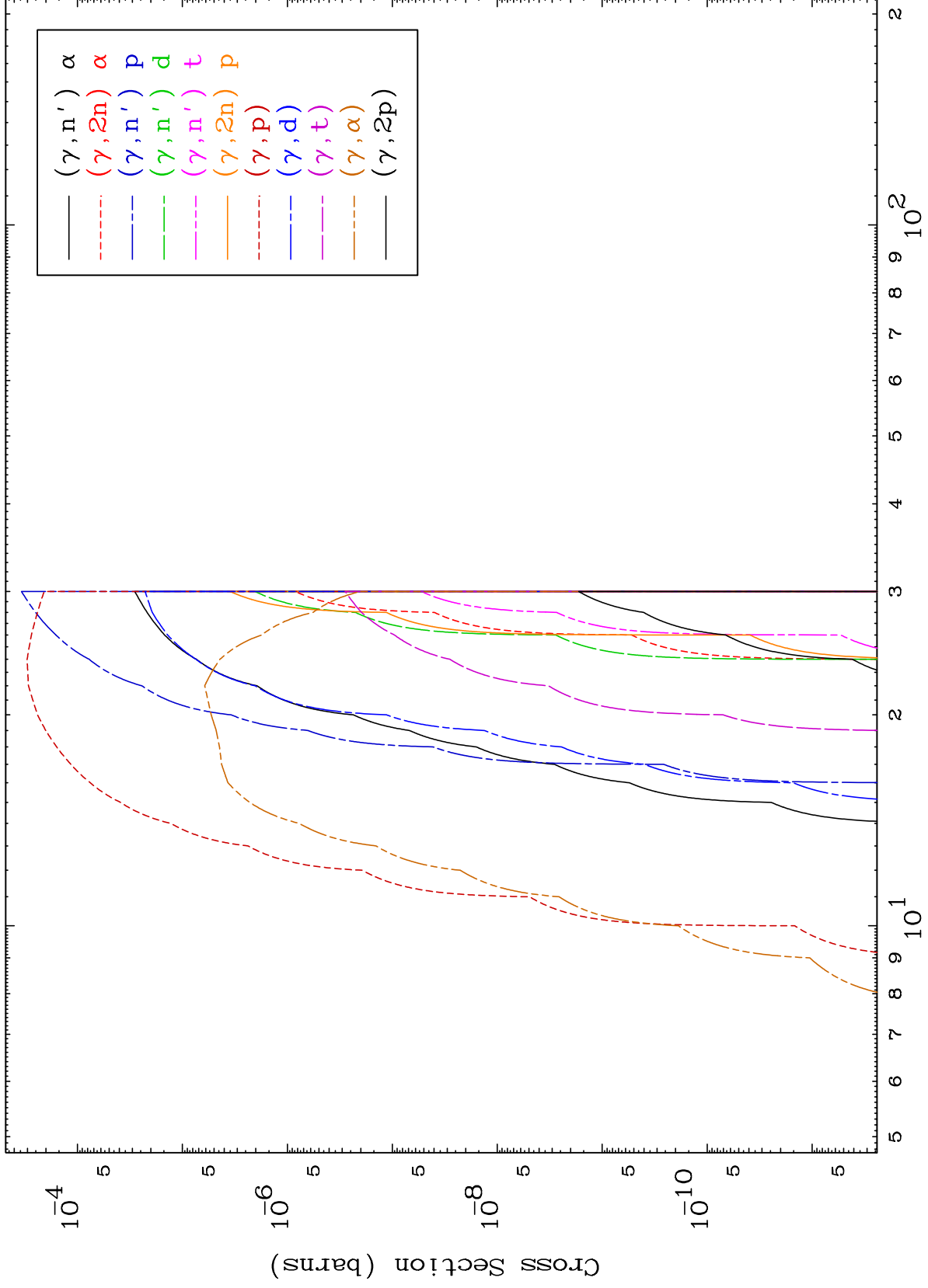
56-Ba-137



56-Ba-137

Incident Energy (MeV)



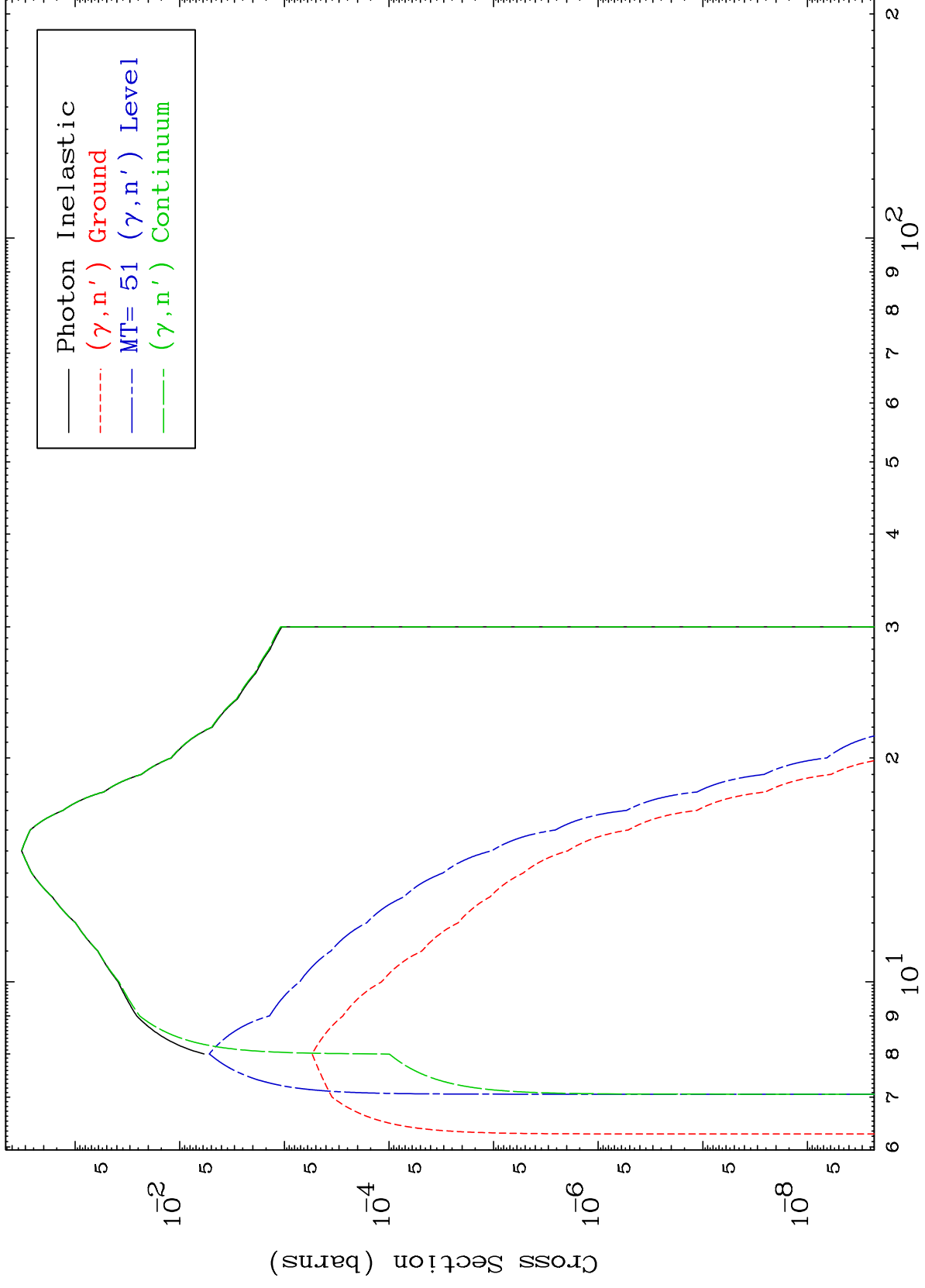


MAT 5647

( $\gamma, n'$ ) Level

56-Ba-137

0 Kelvin Cross Sections



4

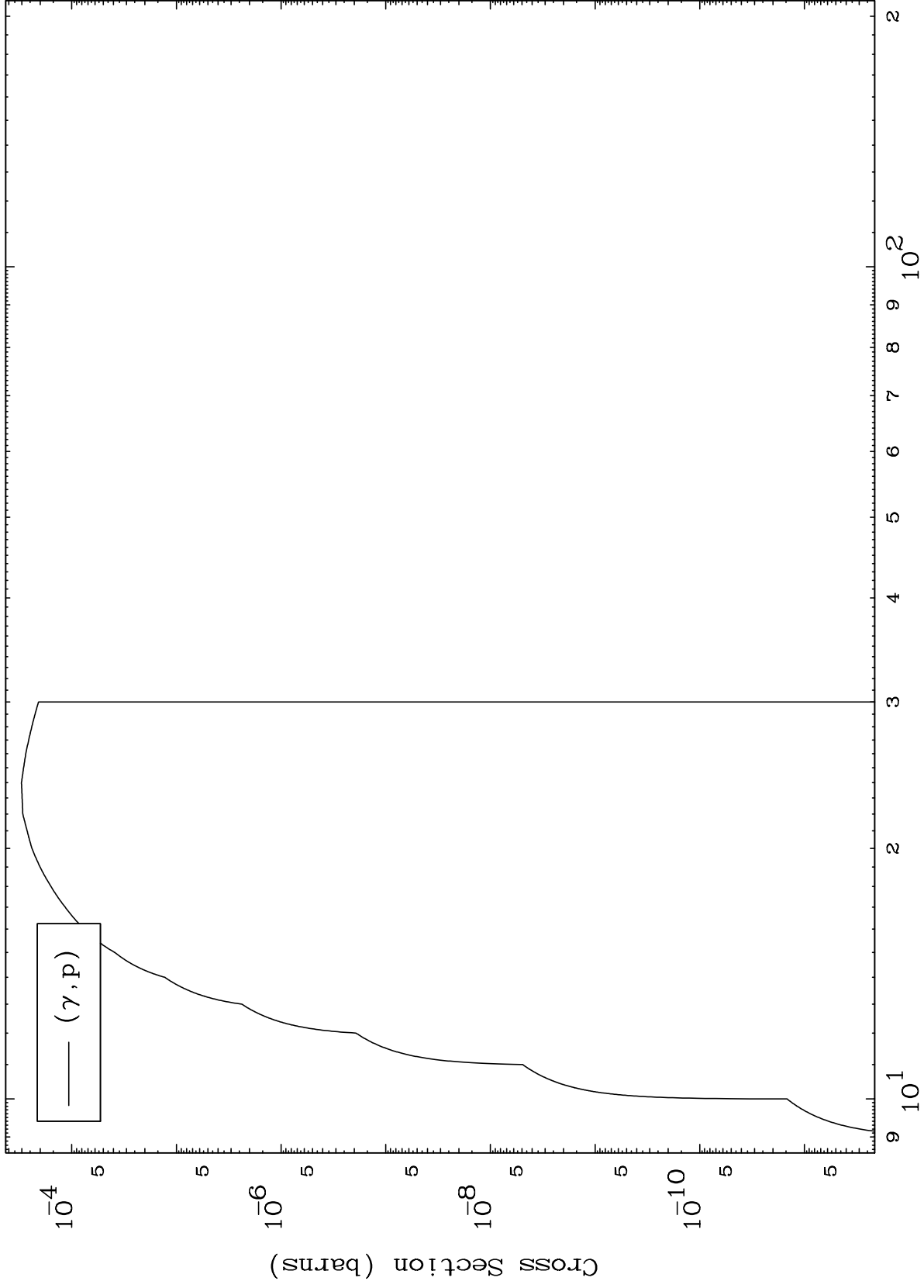
Incident Energy (MeV)

56-Ba-137

MAT 5647

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

56-Ba-137



Incident Energy (MeV)

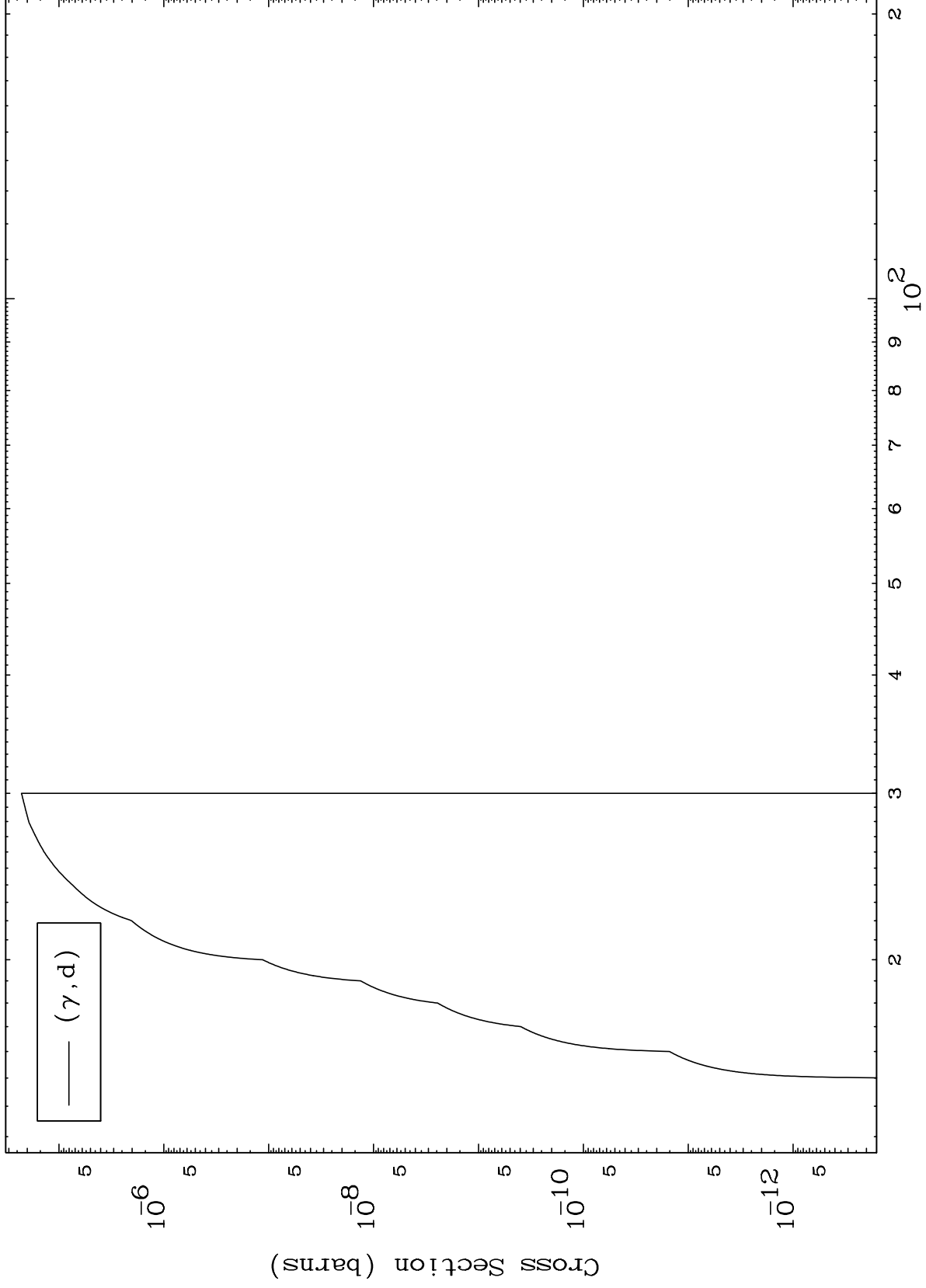
56-Ba-137

5

MAT 5647

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

56-Ba-137



6

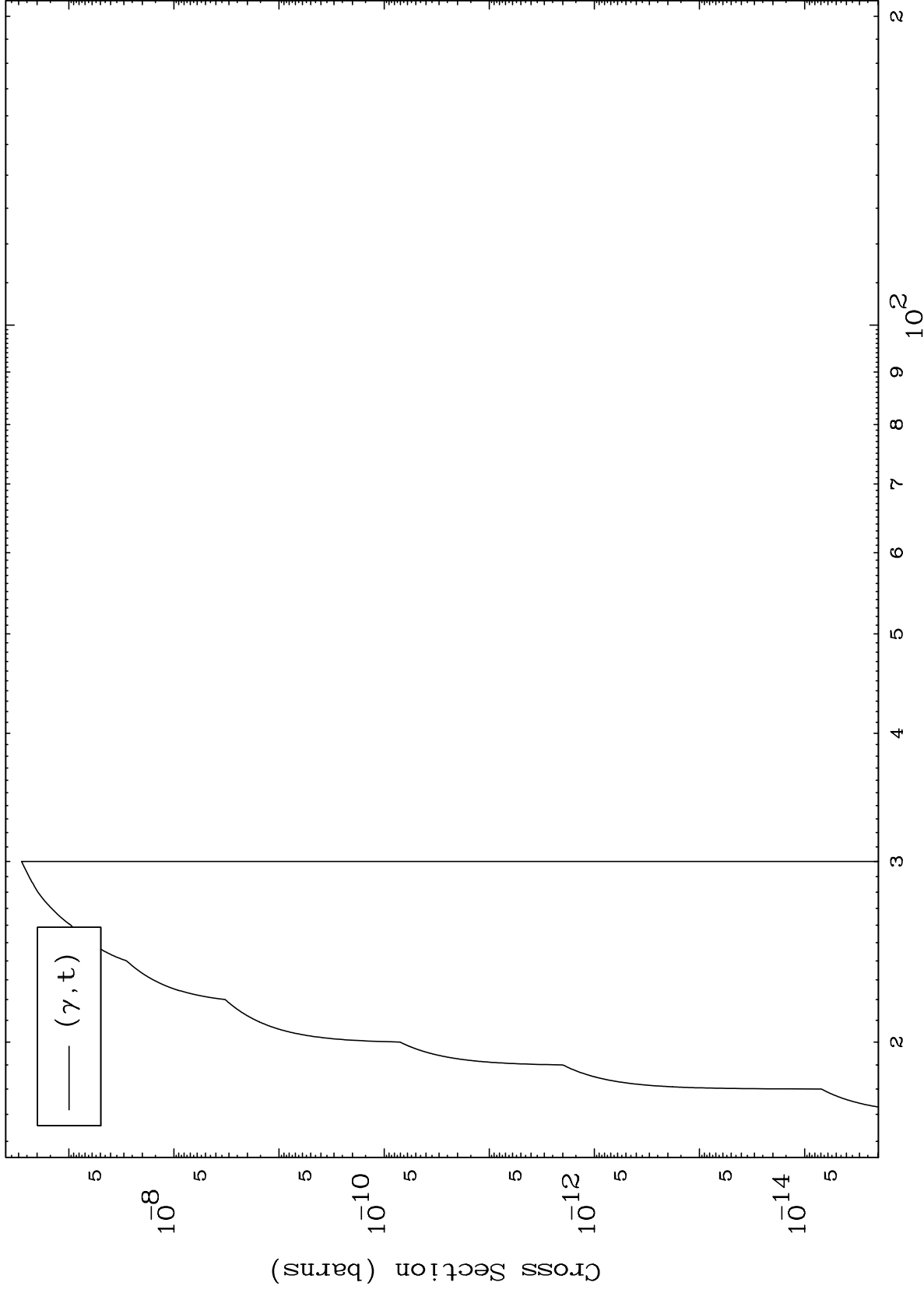
Incident Energy (MeV)

56-Ba-137

MAT 5647

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

56-Ba-137



7

Incident Energy (MeV)

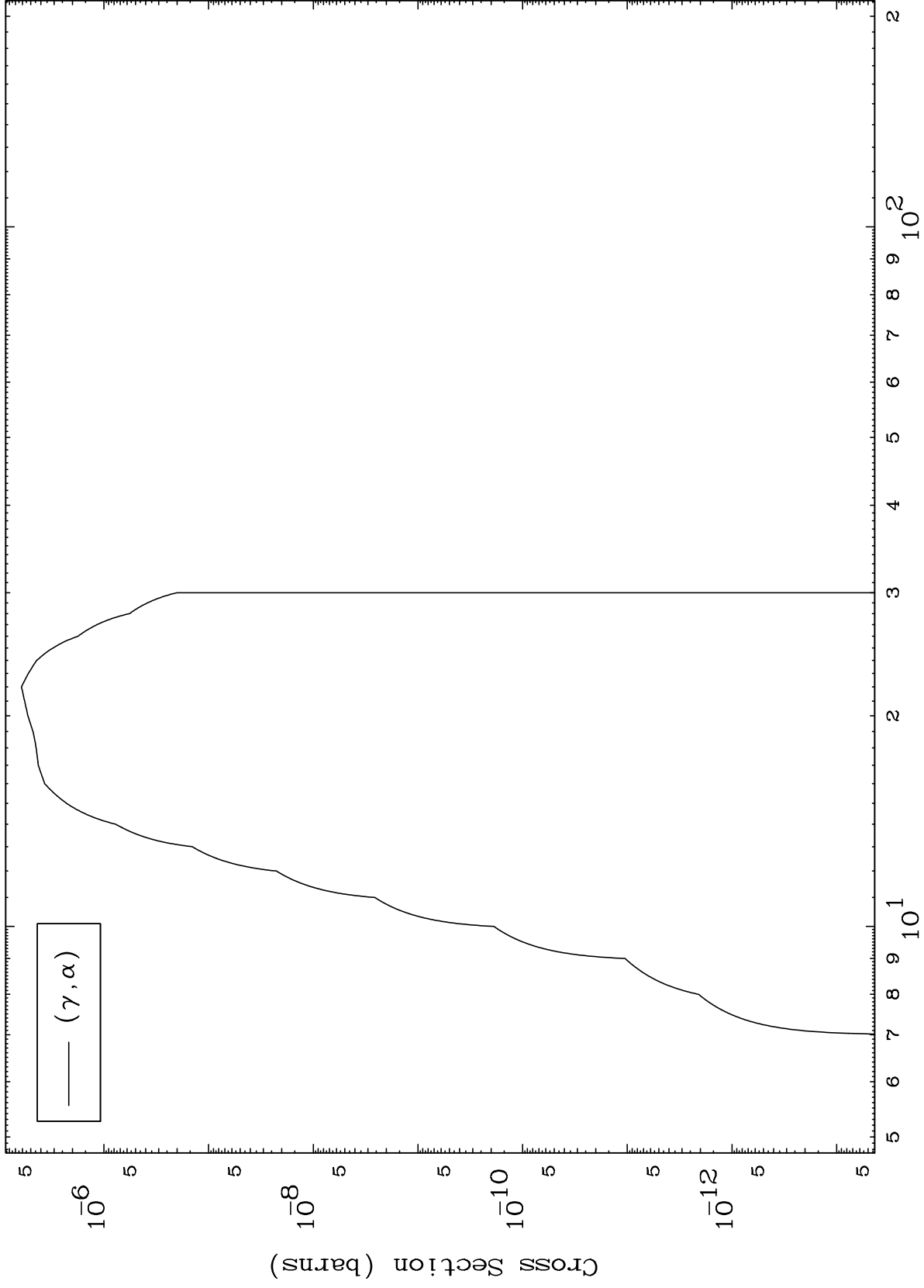
56-Ba-137



MAT 5647

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

56-Ba-137



8

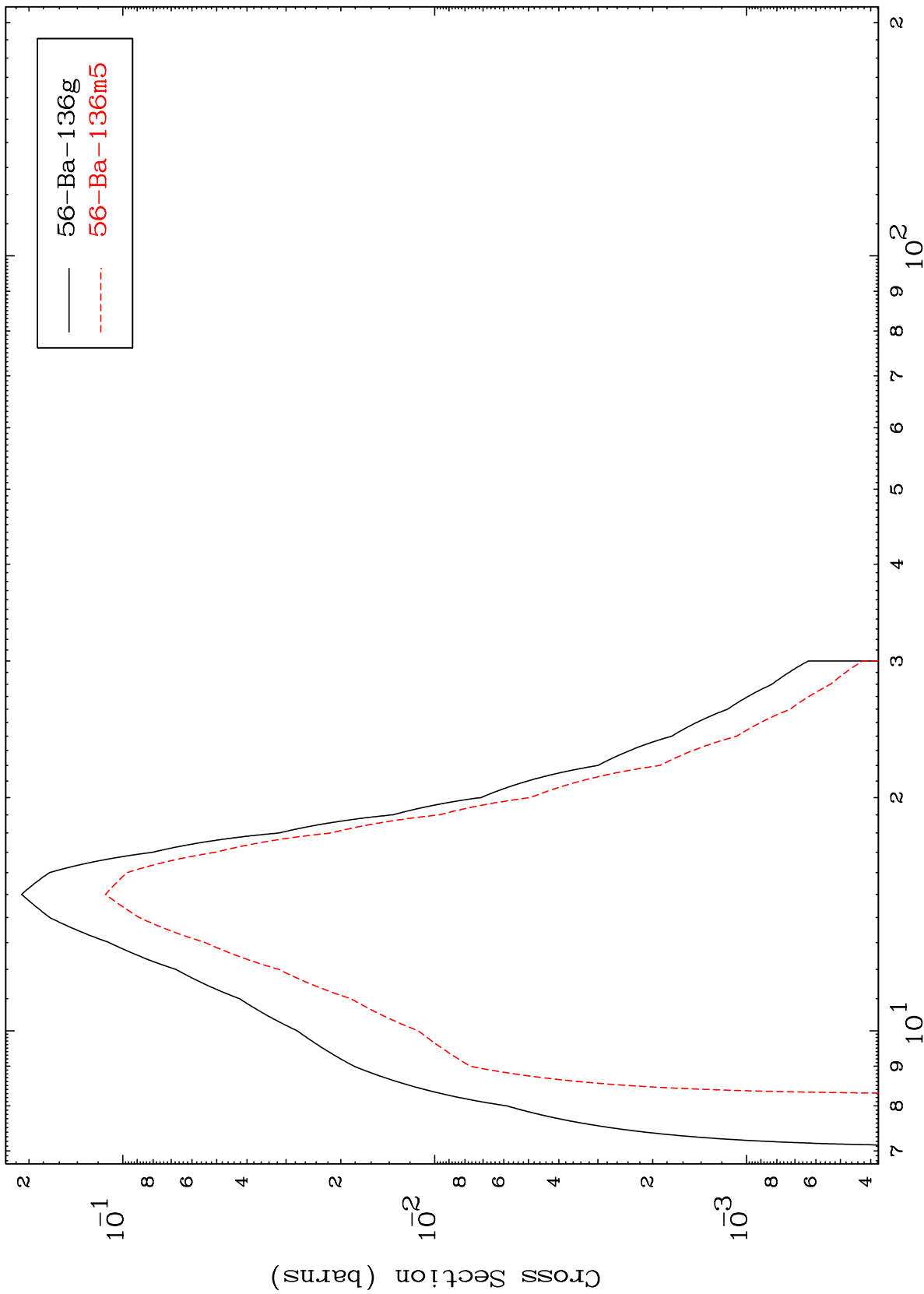
Incident Energy (MeV)

56-Ba-137

MAT 5647

56-Ba-137

Photon Inelastic  
Radionuclide Production Cross Section



56-Ba-137

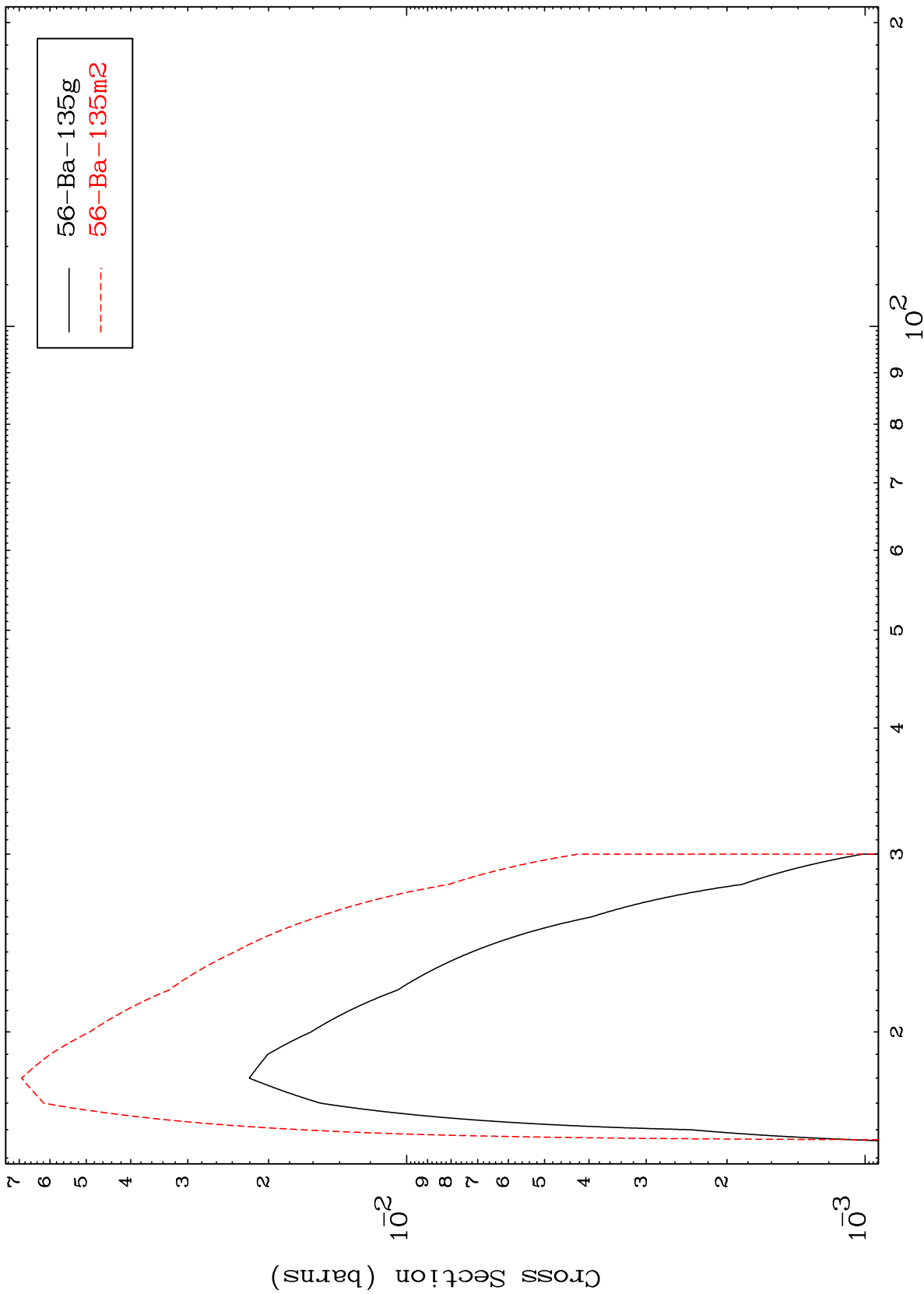
Incident Energy (MeV)

9

MAT 5647

56-Ba-137

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



56-Ba-137

Incident Energy (MeV)

10

$10^2$

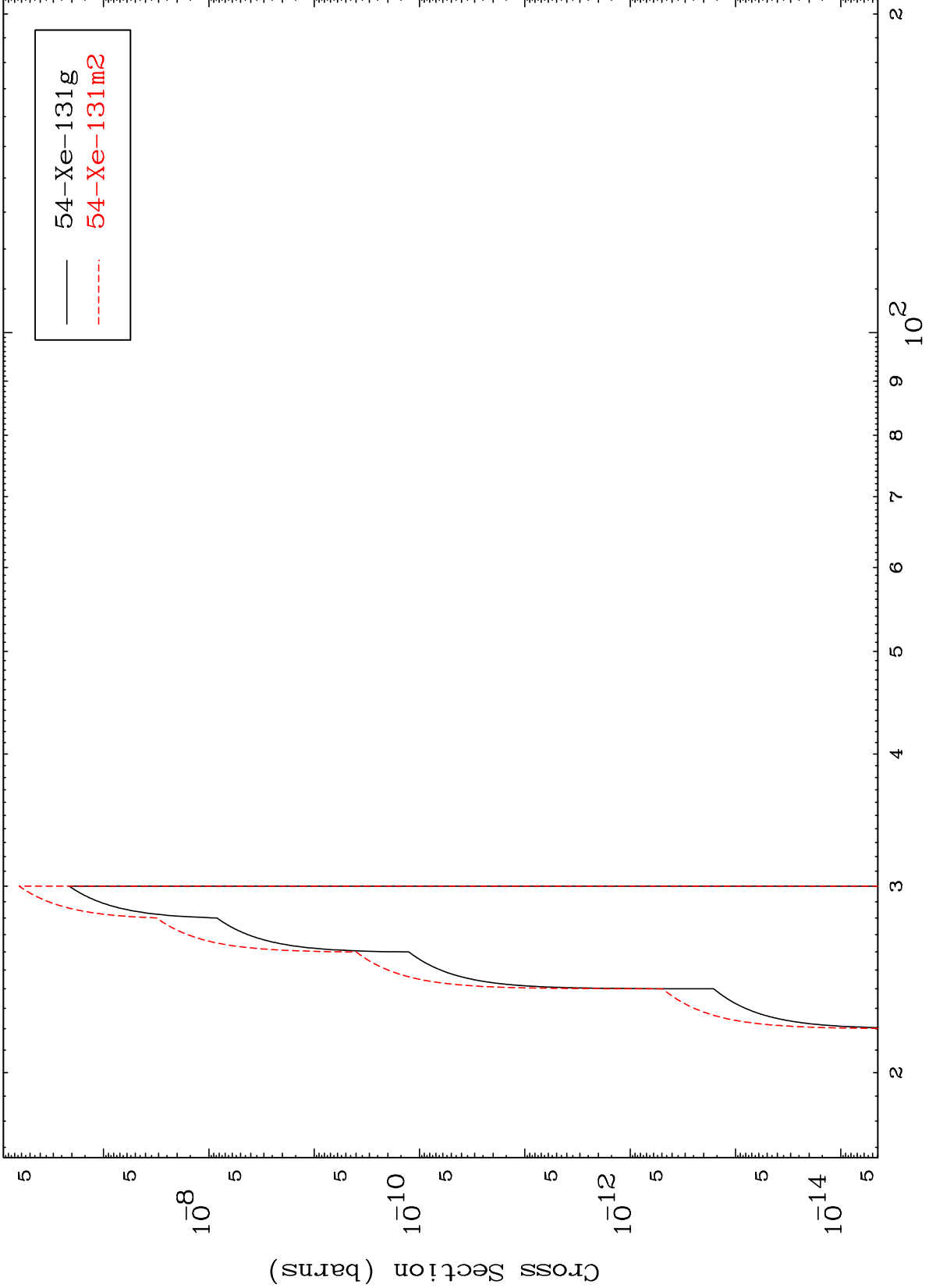
2

MAT 5647

$(\gamma, 2n) \alpha$

56-Ba-137

Radionuclide Production Cross Section



11

Incident Energy (MeV)

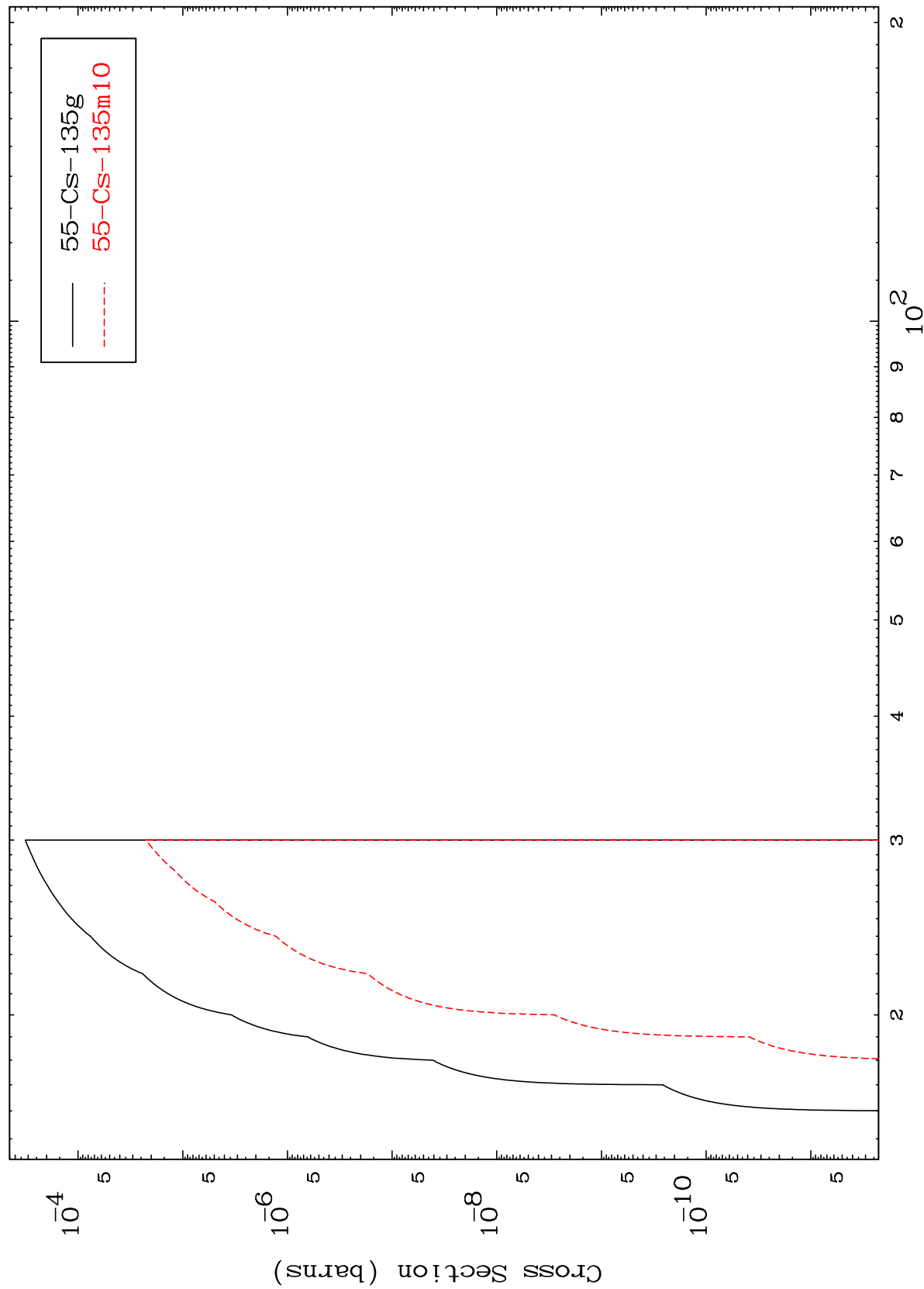
56-Ba-137

MAT 5647

( $\gamma, n'$ ) p

56-Ba-137

Radionuclide Production Cross Section



12

Incident Energy (MeV)

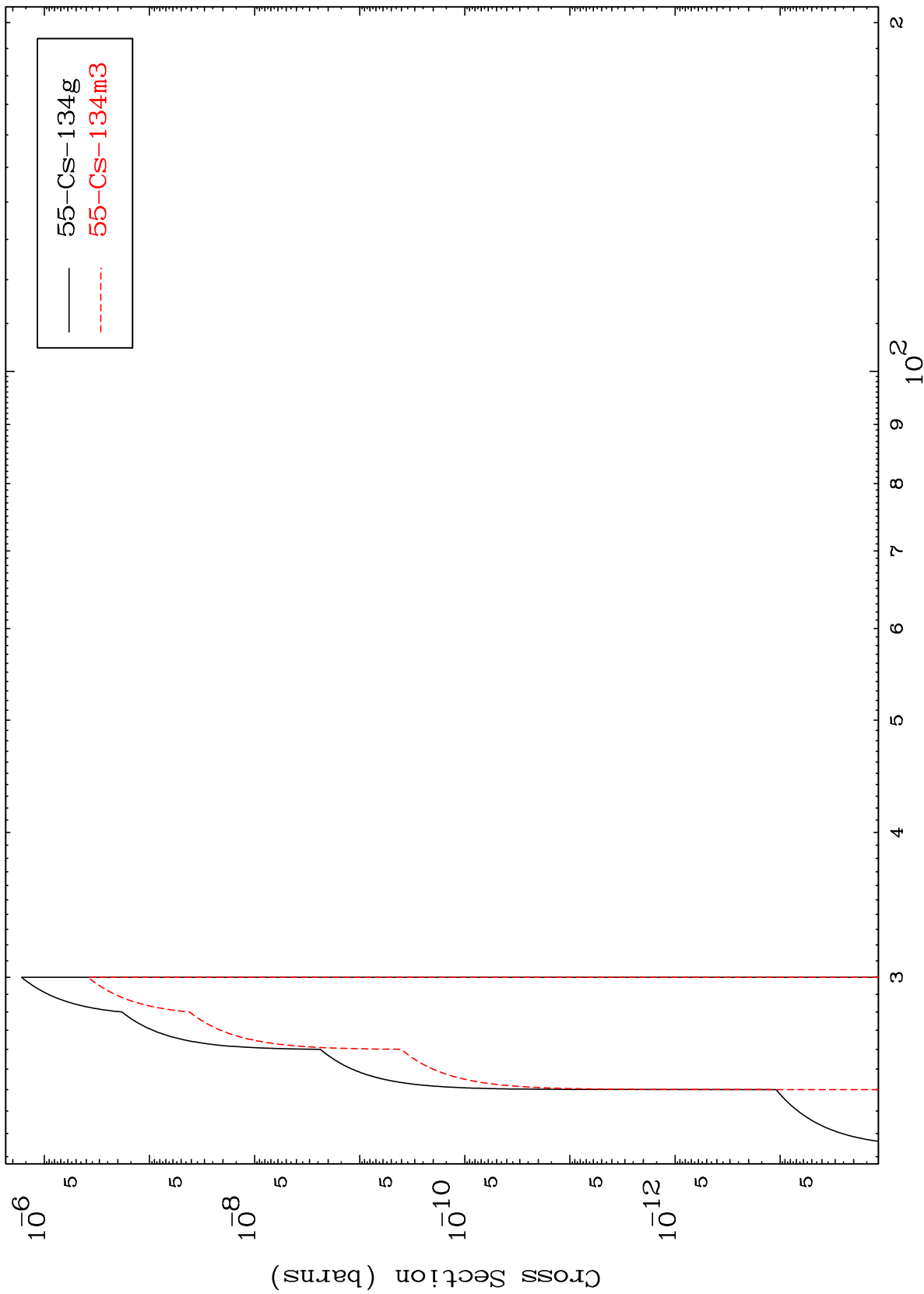
56-Ba-137

MAT 5647

( $\gamma, n'$ ) d

56-Ba-137

Radionuclide Production Cross Section



13

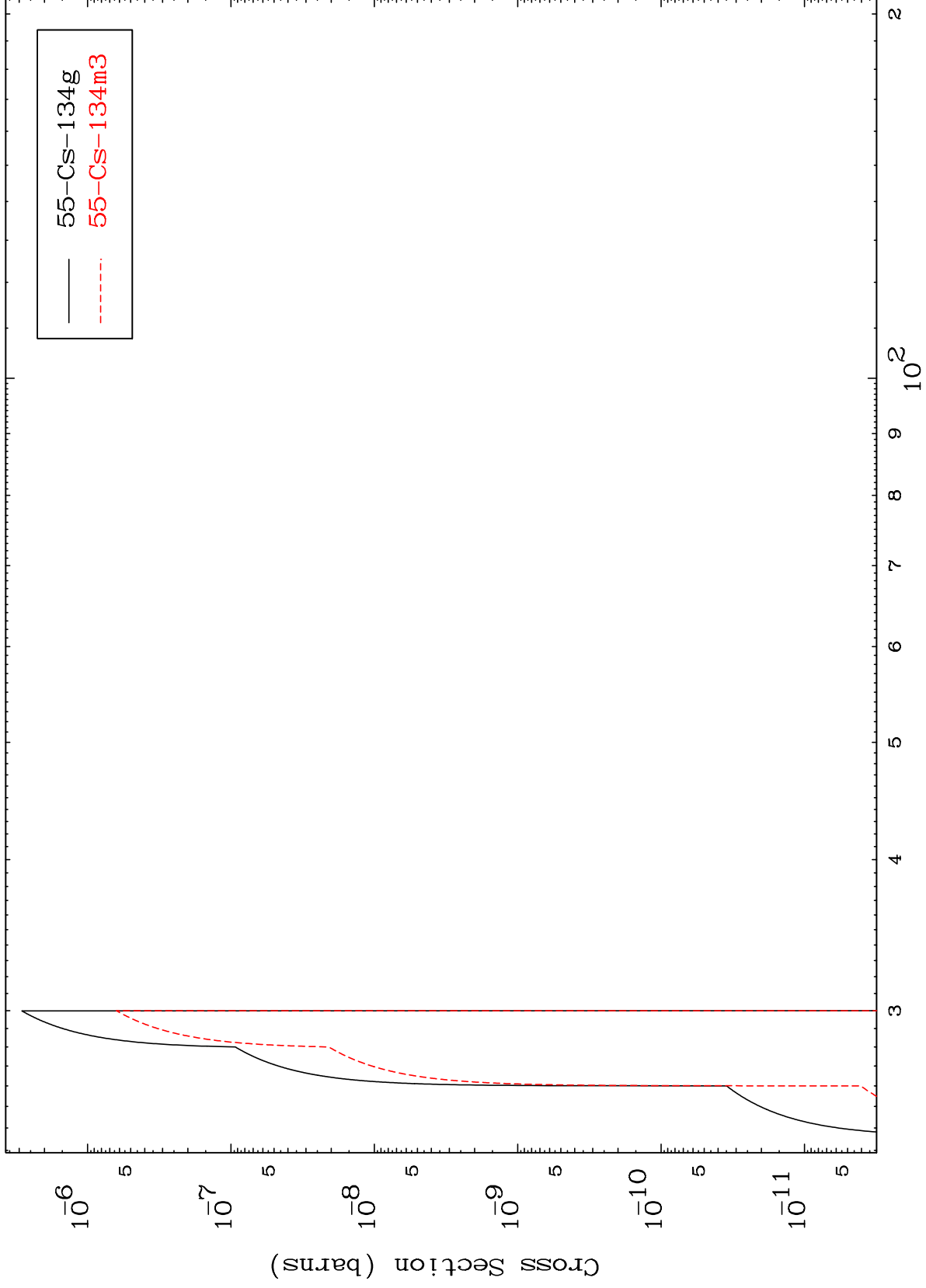
Incident Energy (MeV)

56-Ba-137

MAT 5647

56-Ba-137

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



56-Ba-137

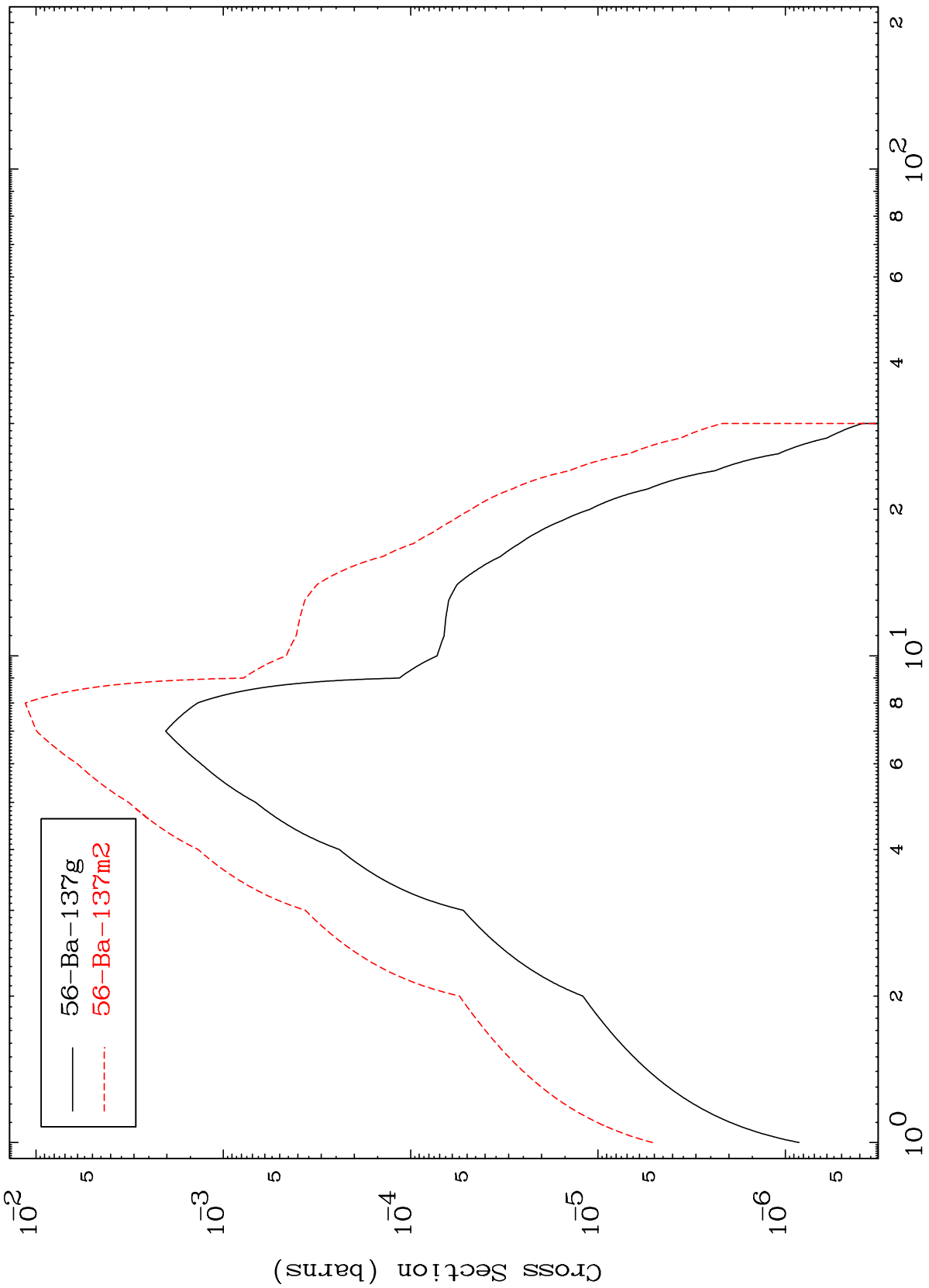
Incident Energy (MeV)

14

MAT 5647

56-Ba-137

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



56-Ba-137

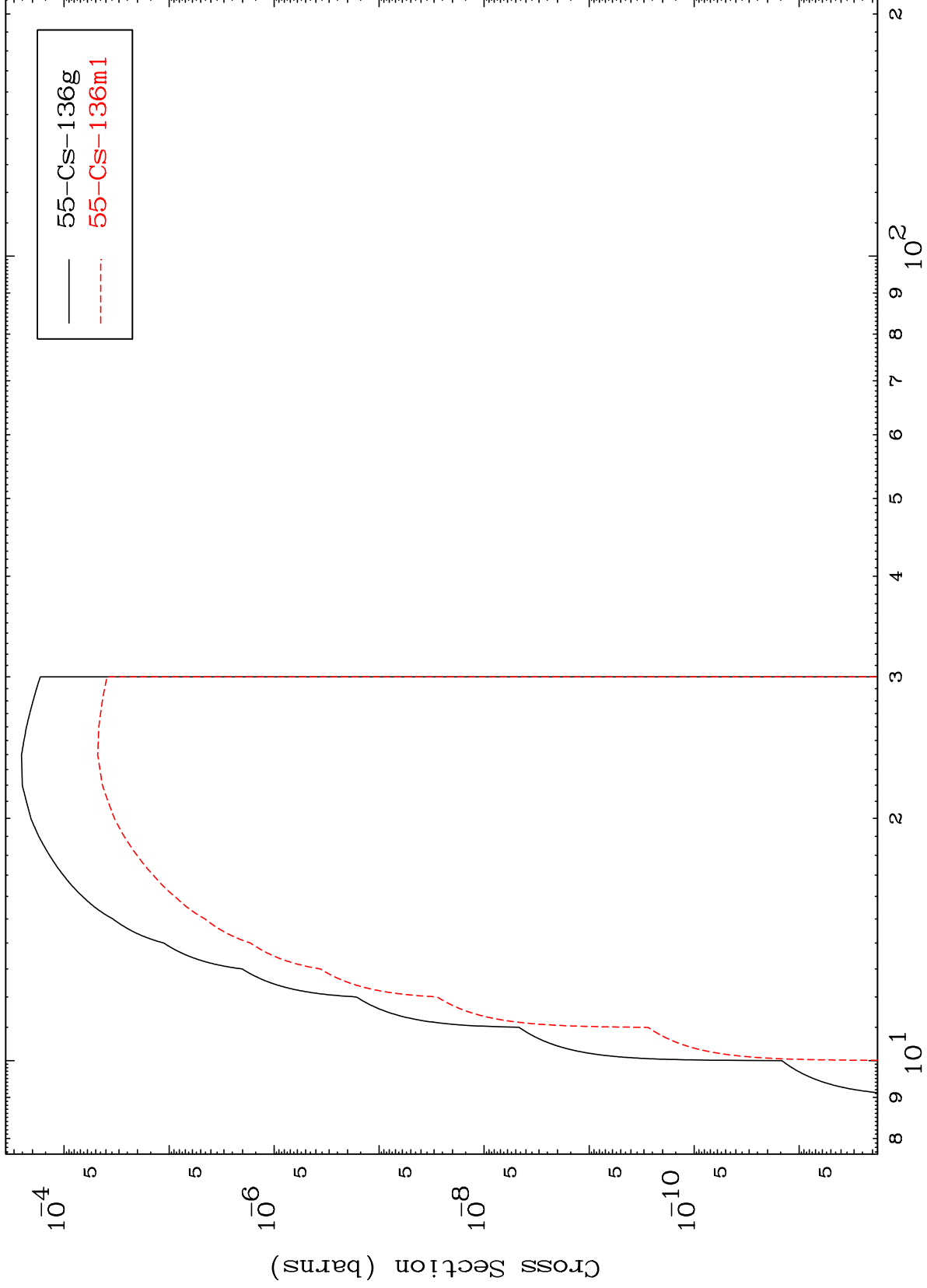
Incident Energy (MeV)



MAT 5647

56-Ba-137

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

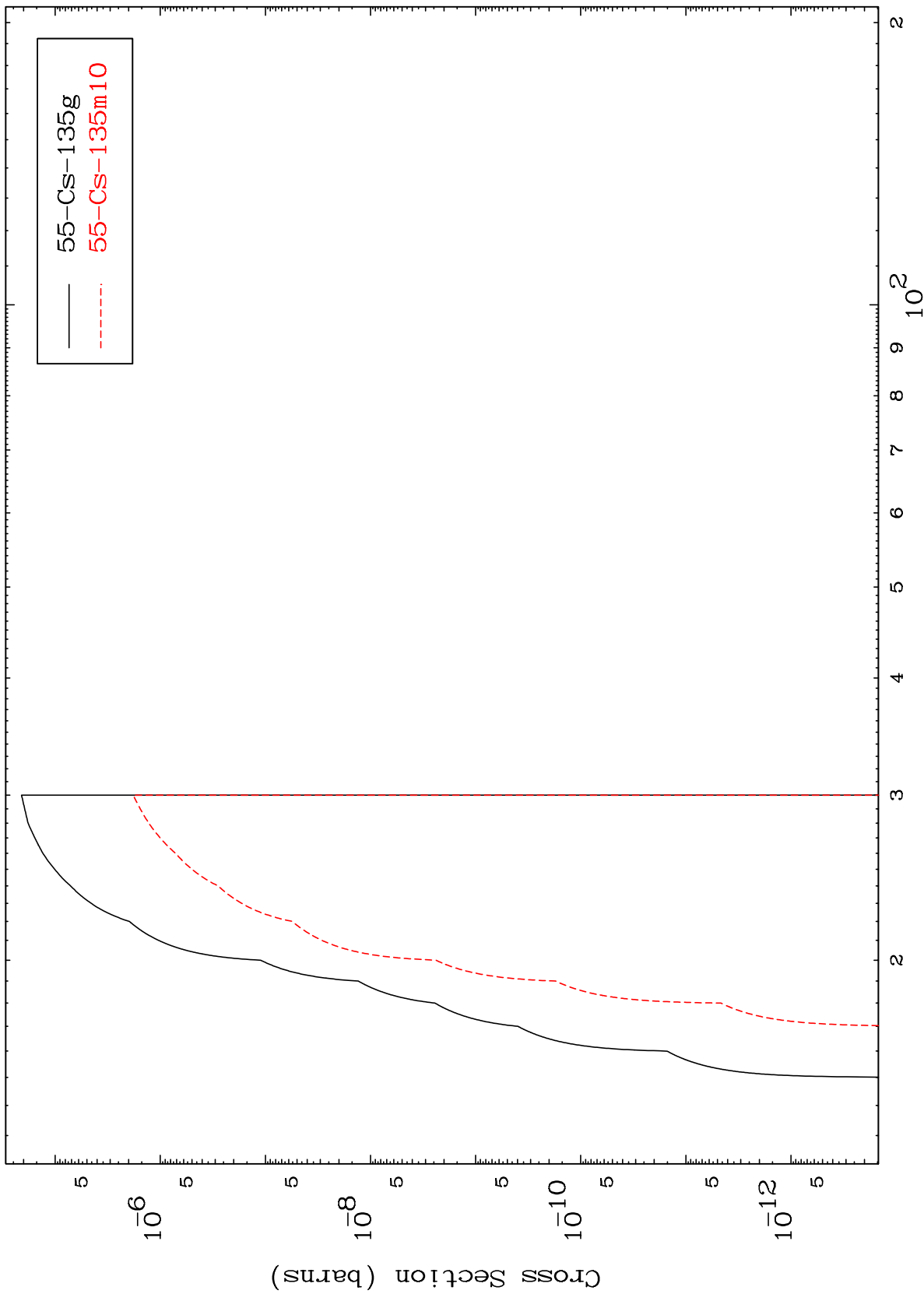


16

Incident Energy (MeV)

56-Ba-137

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

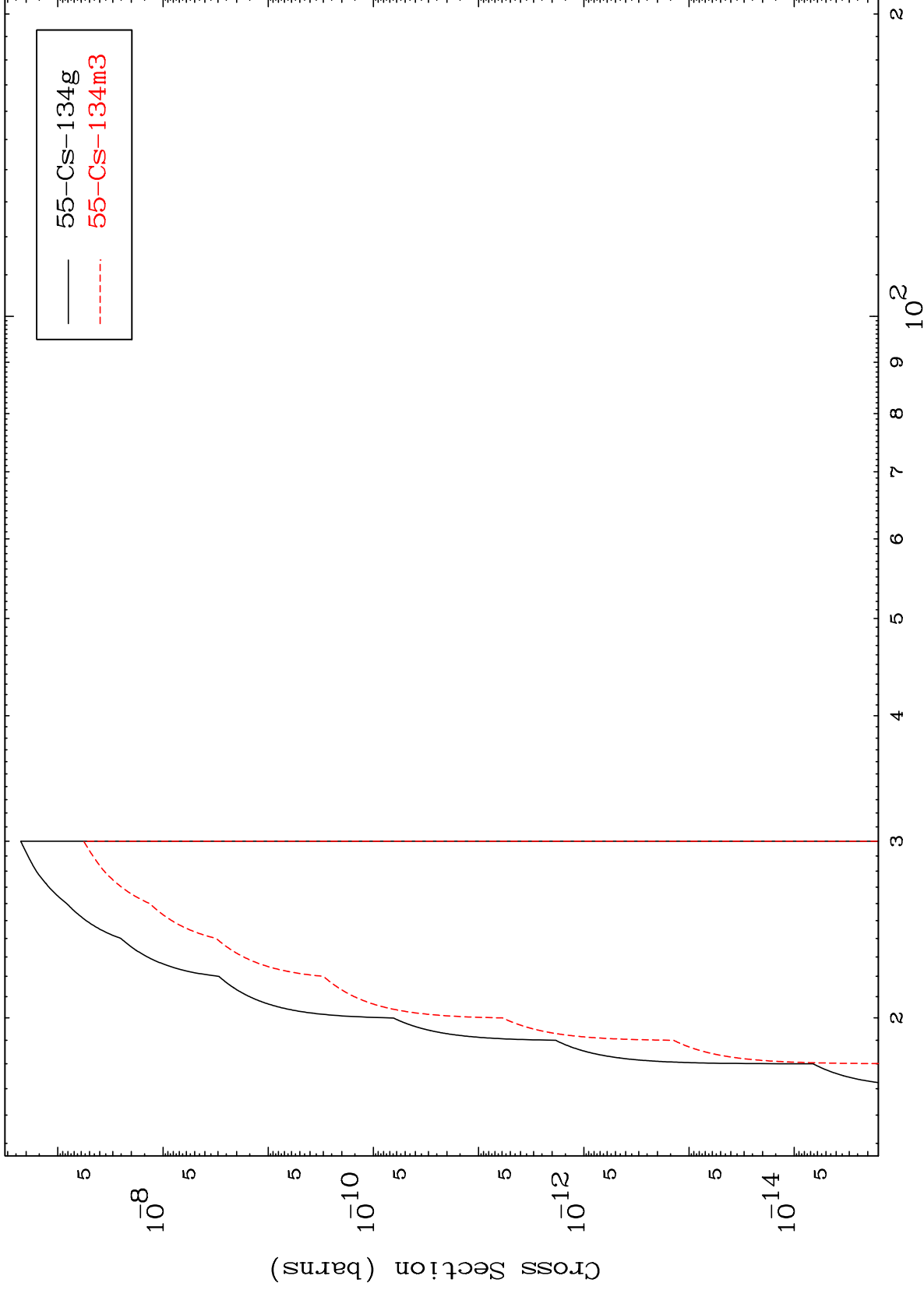


MAT 5647

( $\gamma, t$ )

56-Ba-137

Radionuclide Production Cross Section



18

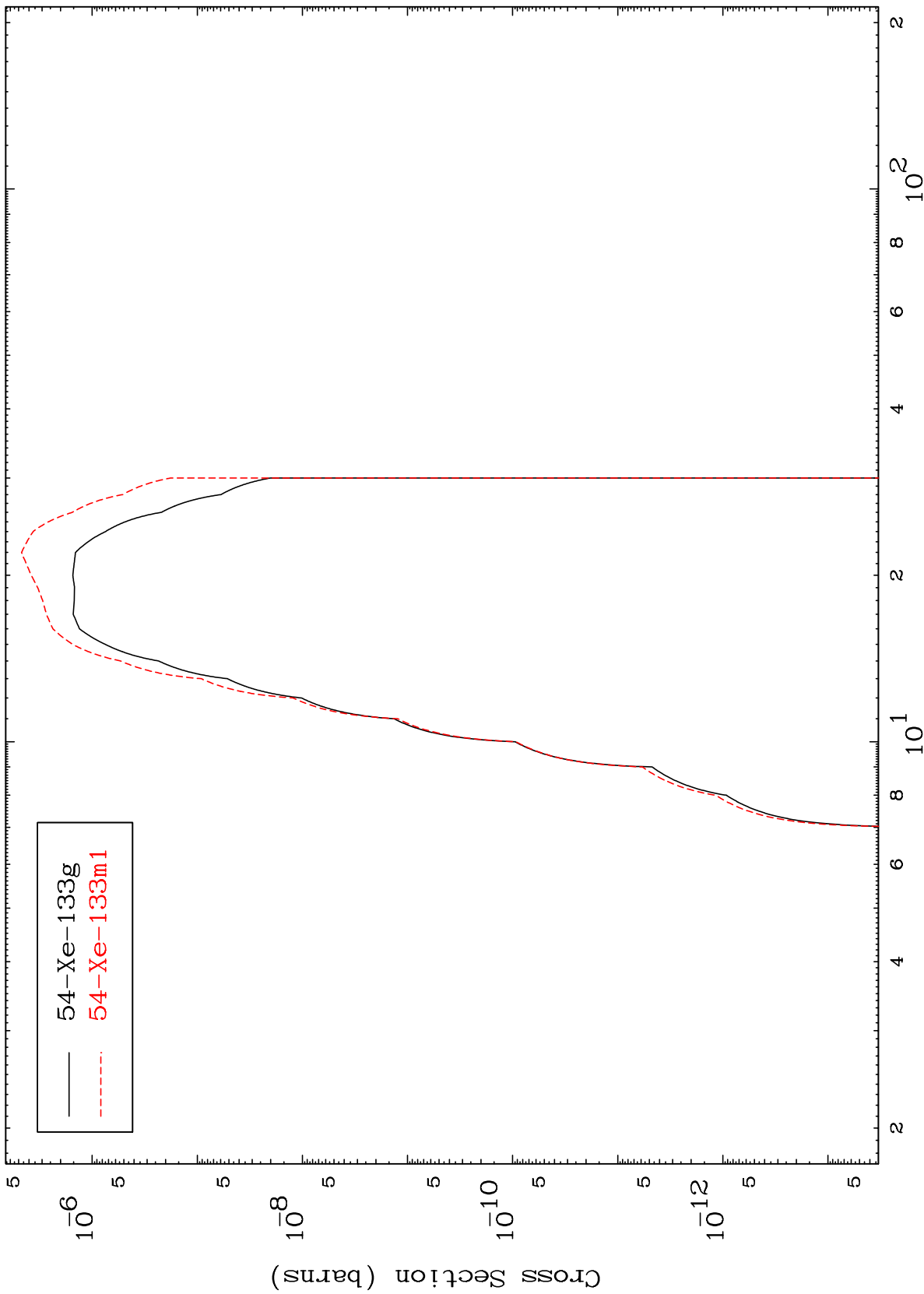
Incident Energy (MeV)

56-Ba-137

MAT 5647

56-Ba-137

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



56-Ba-137

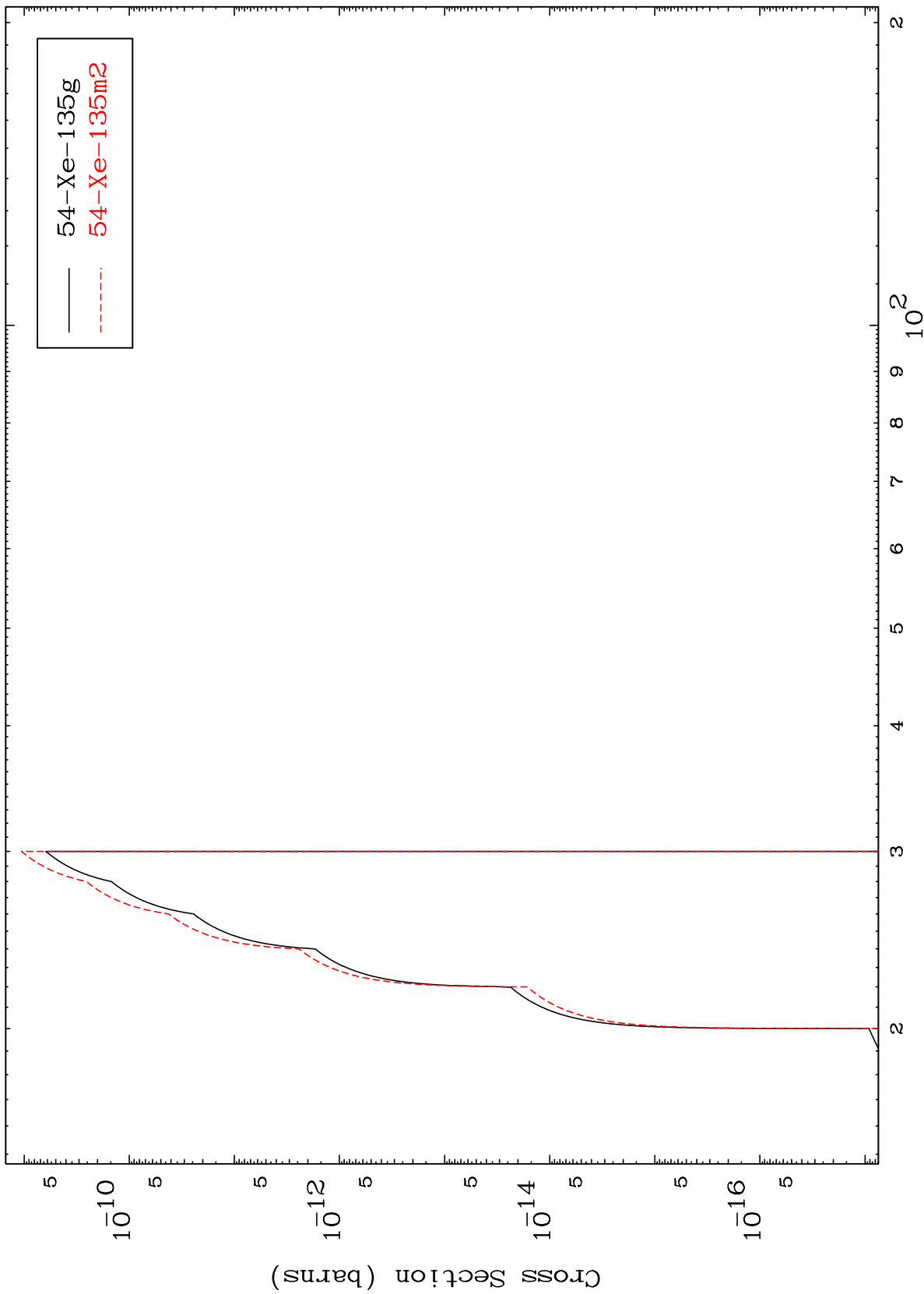
Incident Energy (MeV)

19

MAT 5647

56-Ba-137

( $\gamma, 2p$ )  
Radionuclide Production Cross Section



20

56-Ba-137

Incident Energy (MeV)