

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

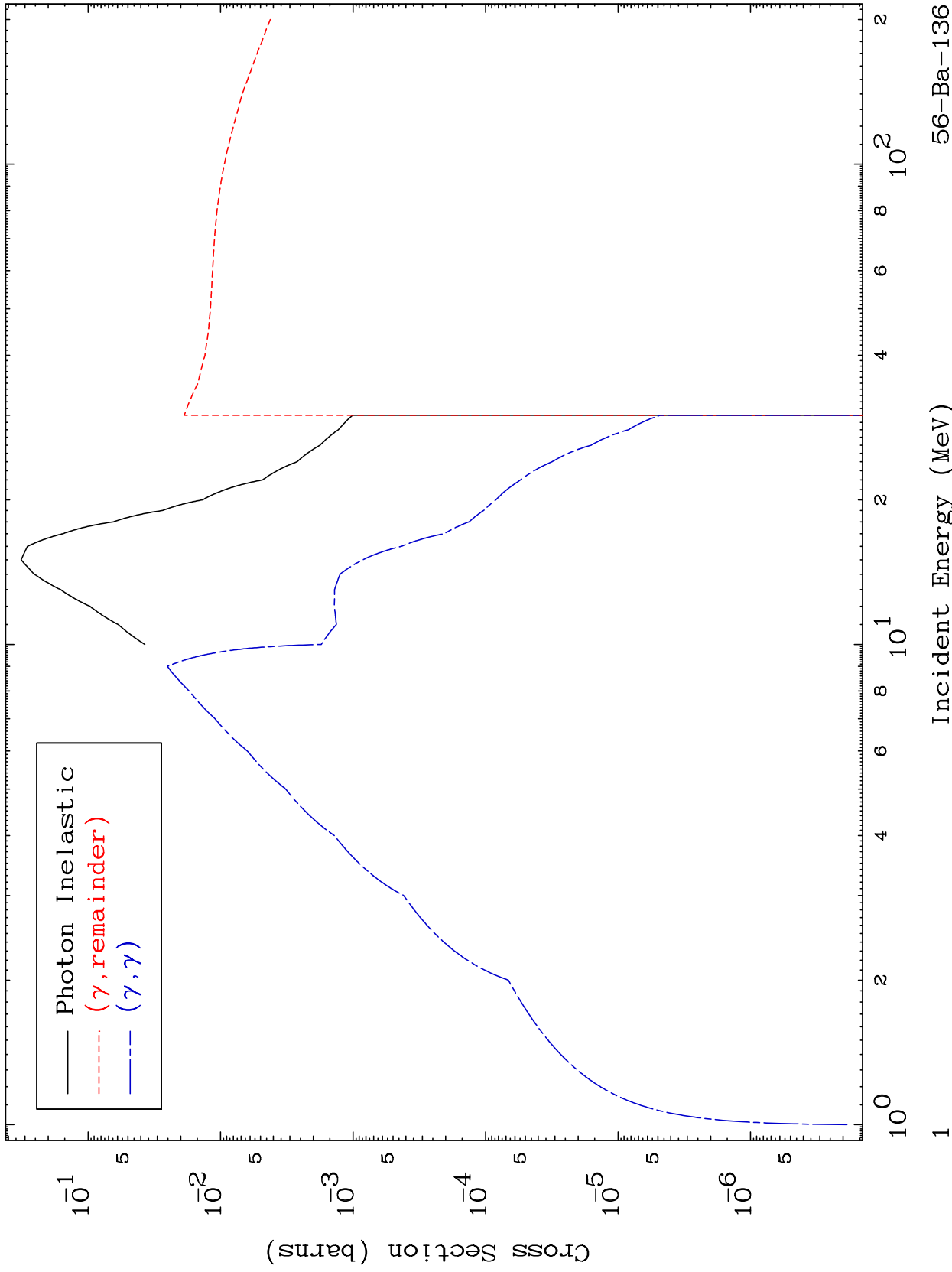
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

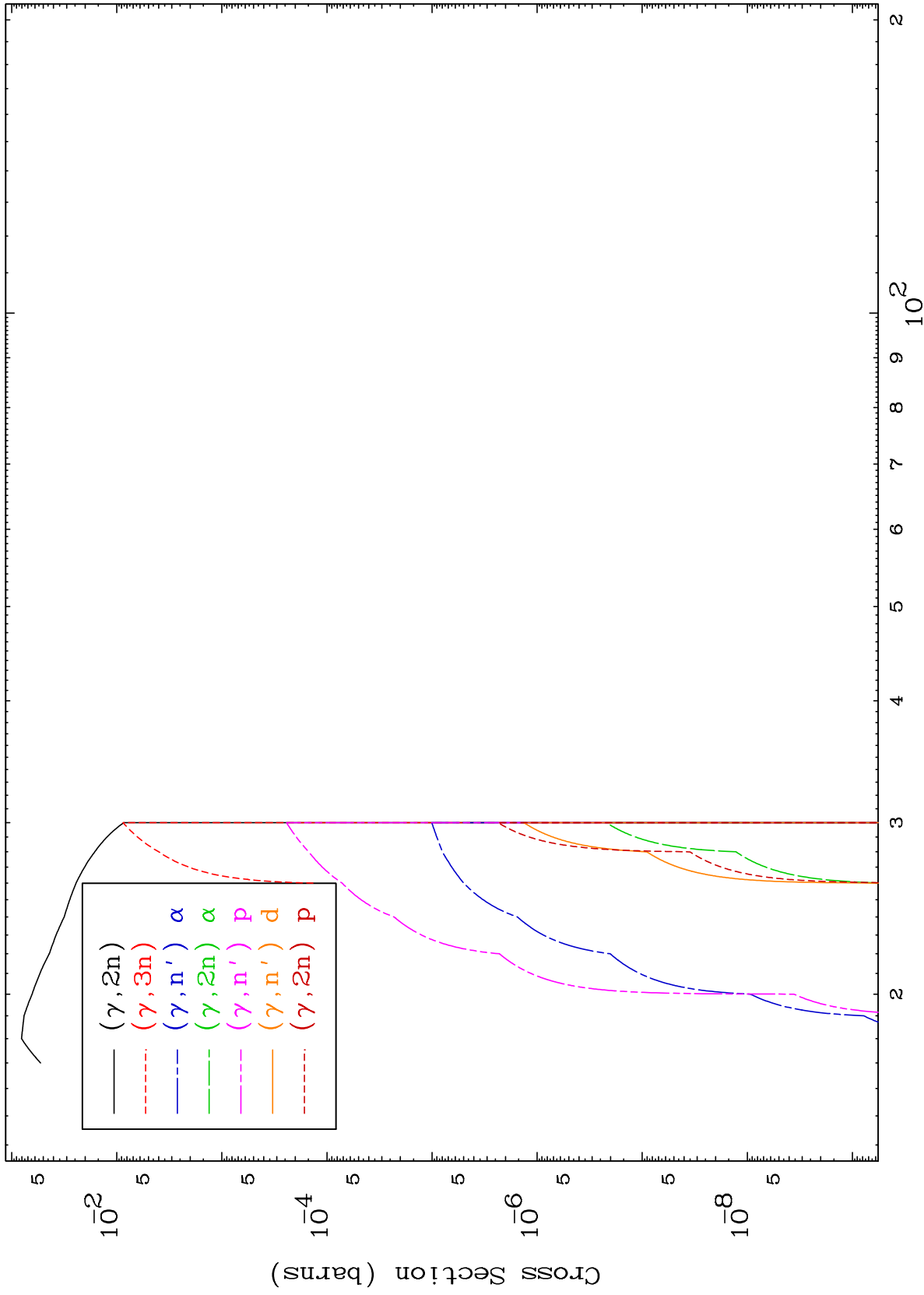
MAT 5643

Photon Major  
0 Kelvin Cross Sections

56-Ba-136



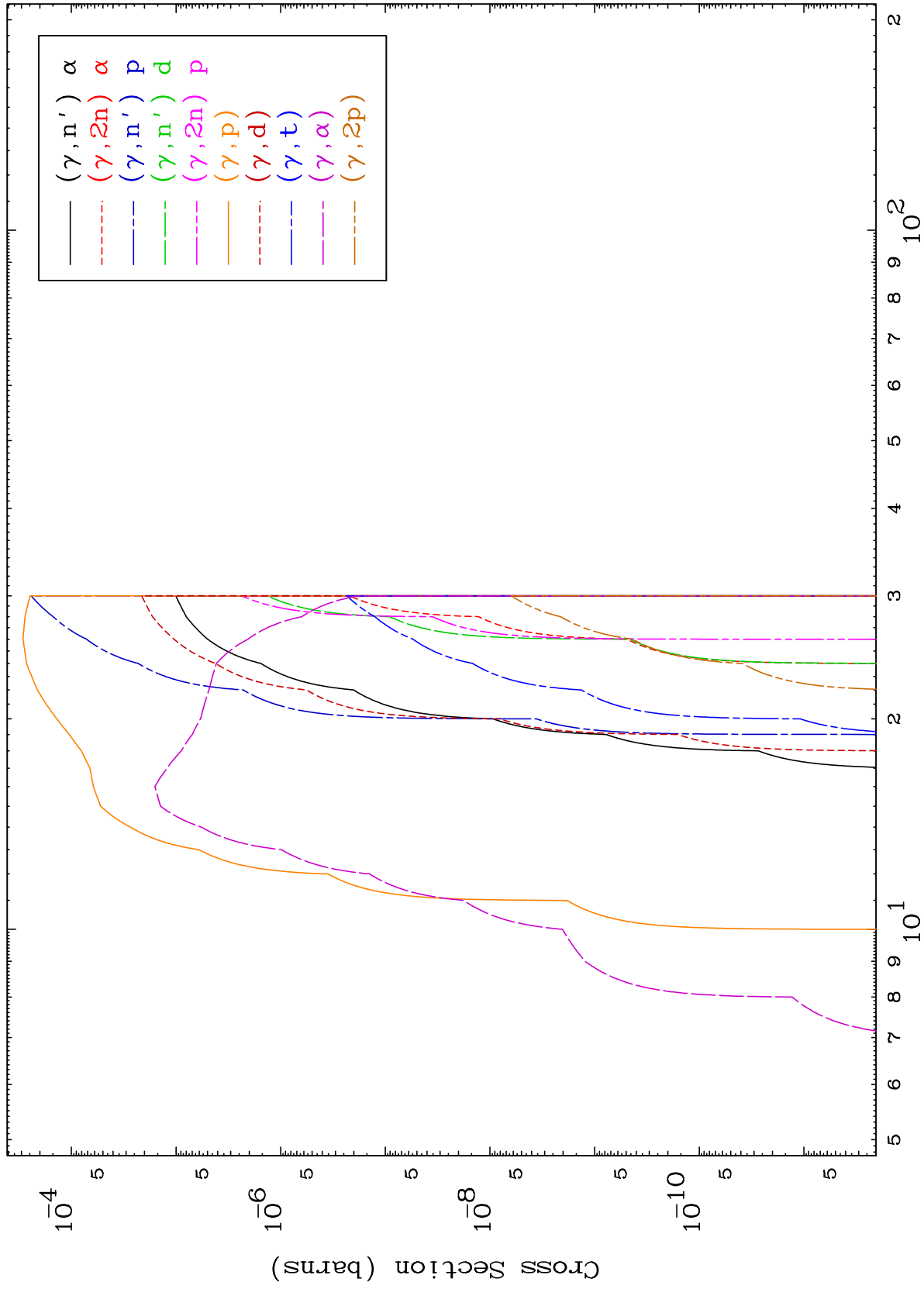
56-Ba-136



MAT 5643

Photon Charged Particle  
0 Kelvin Cross Sections

56-Ba-136



3

Incident Energy (MeV)

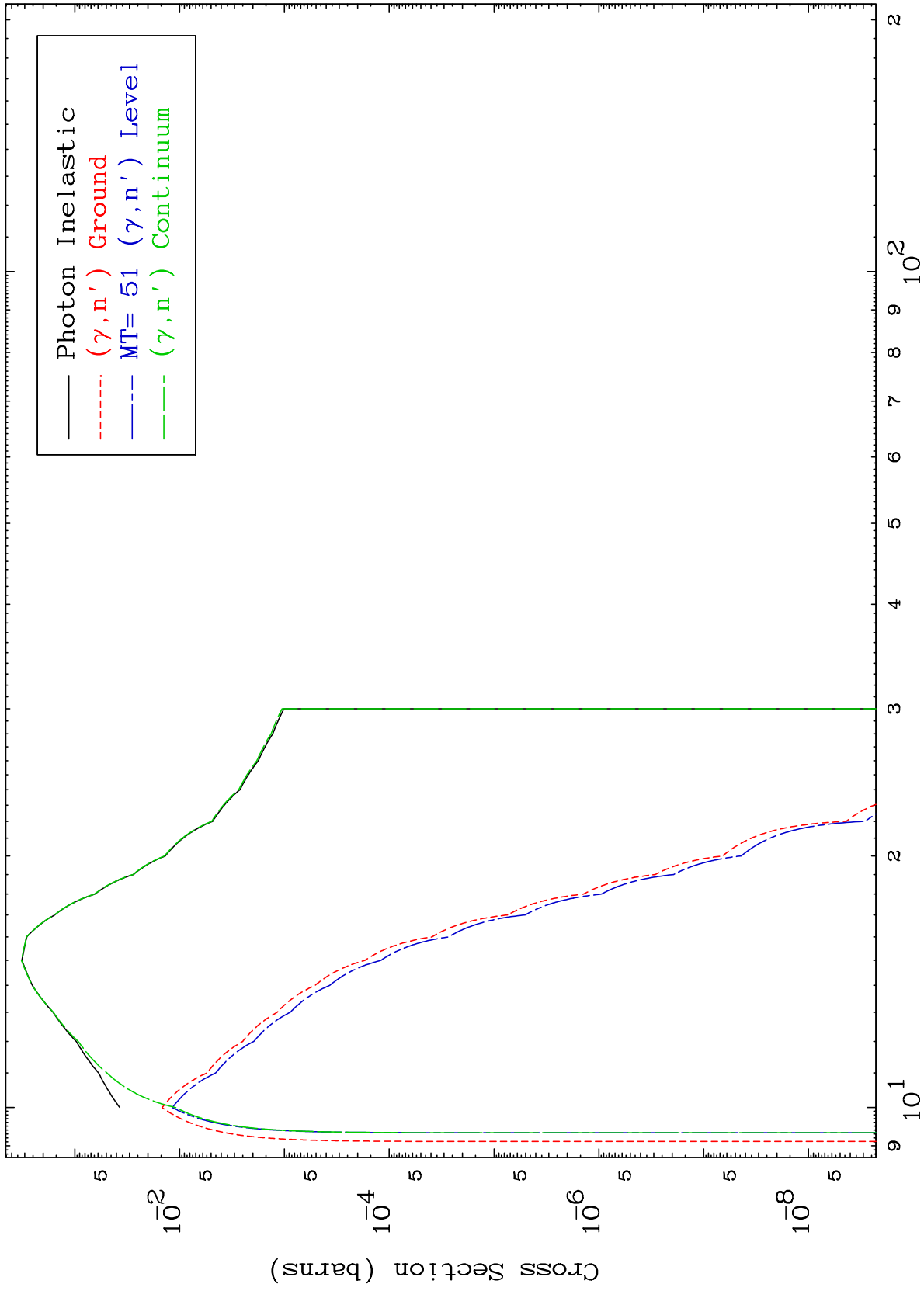
56-Ba-136

MAT 5643

$(\gamma, n')$  Level

56-Ba-136

0 Kelvin Cross Sections



4

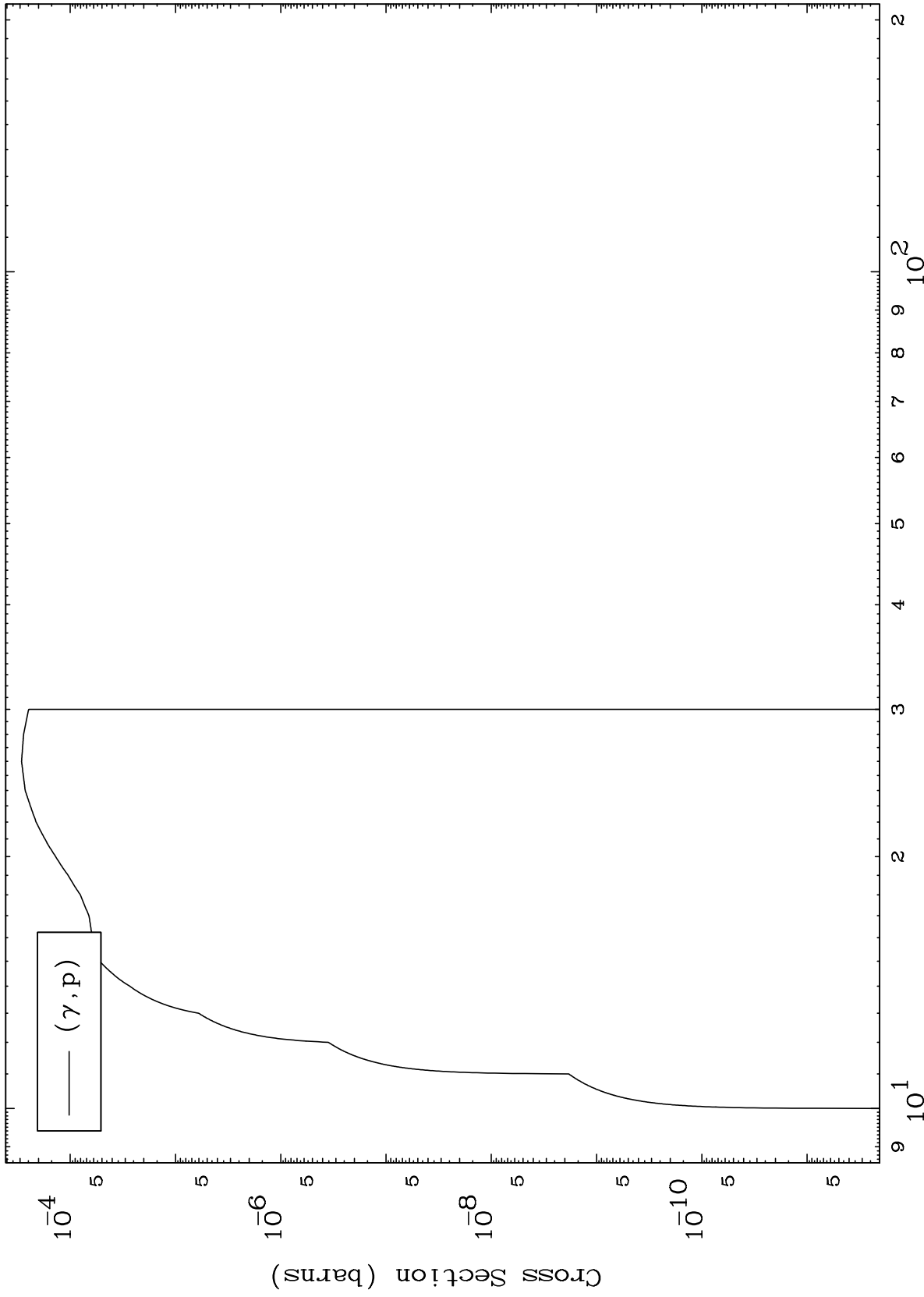
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



5

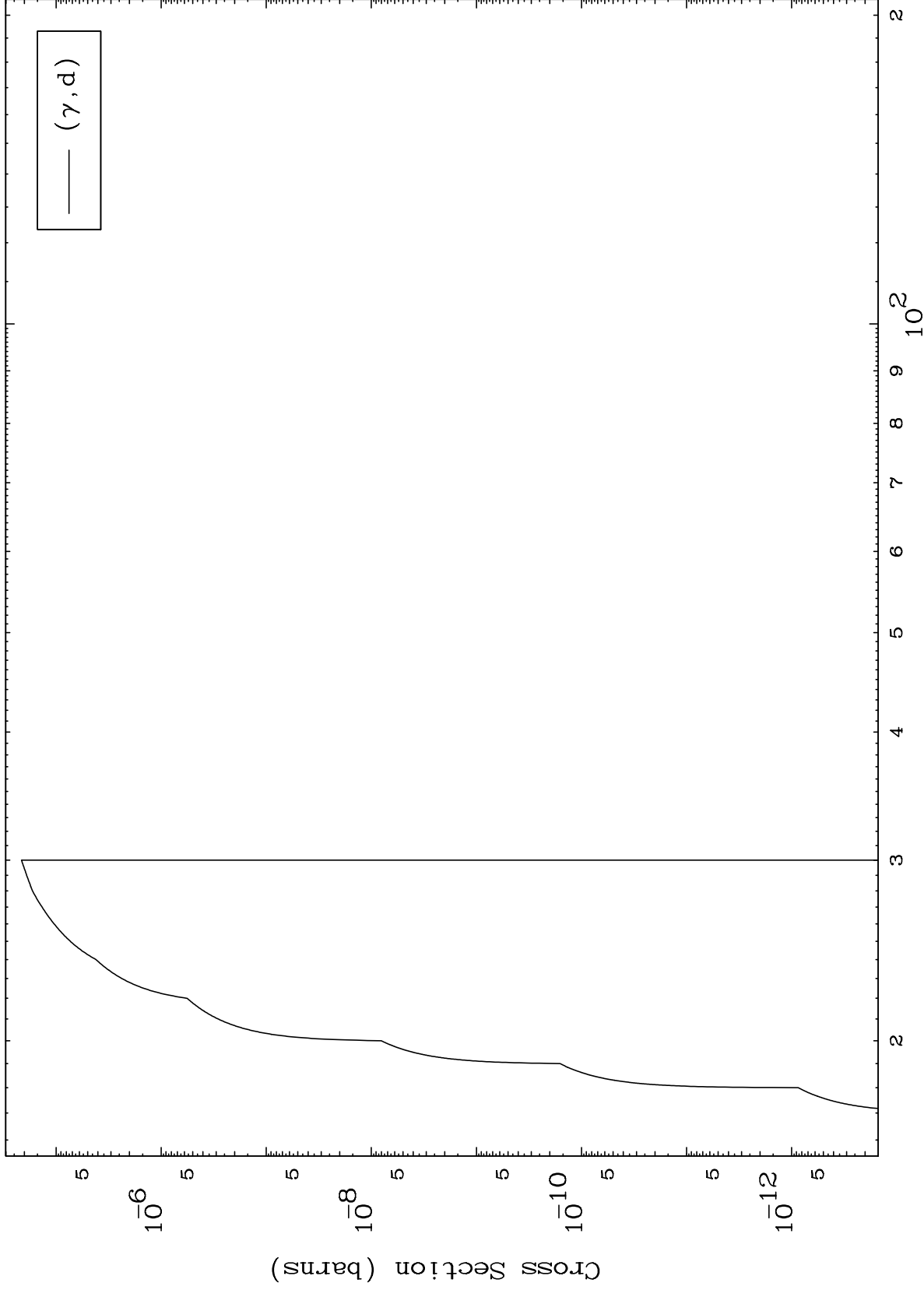
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



6

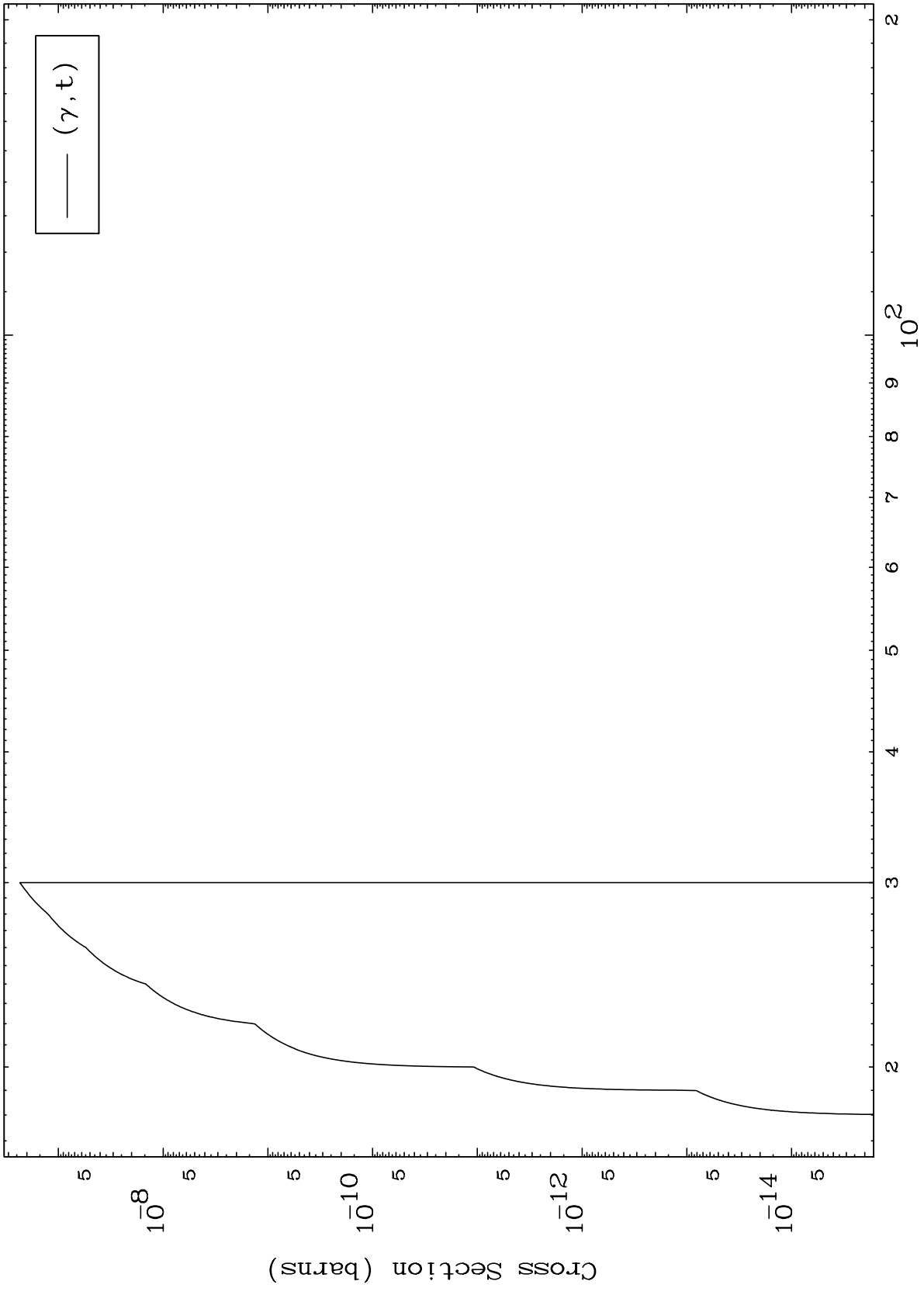
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



7

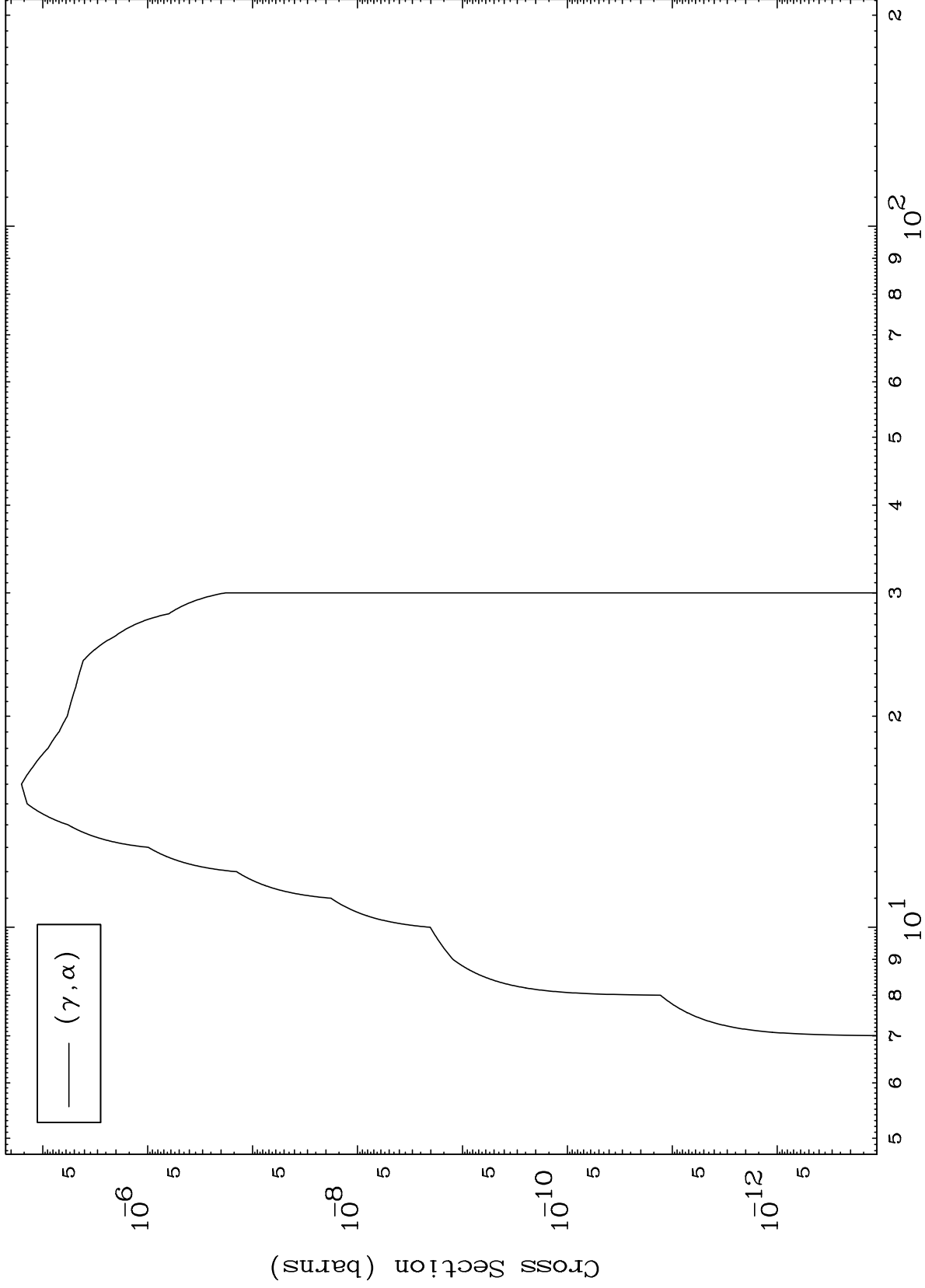
Incident Energy (MeV)

56-Ba-136

MAT 5643

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

56-Ba-136



8

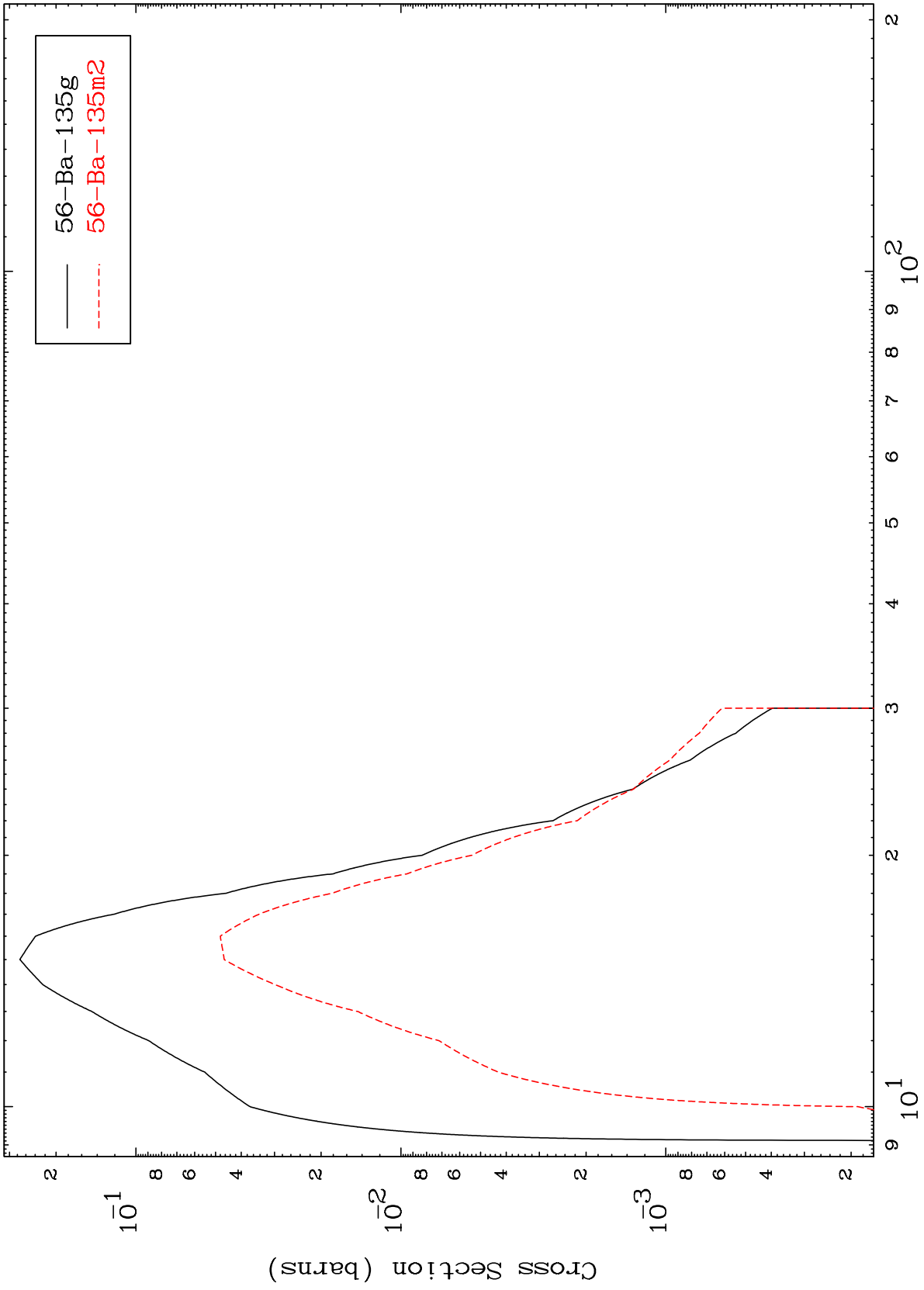
Incident Energy (MeV)

56-Ba-136

MAT 5643

Photon Inelastic  
Radionuclide Production Cross Section

56-Ba-136



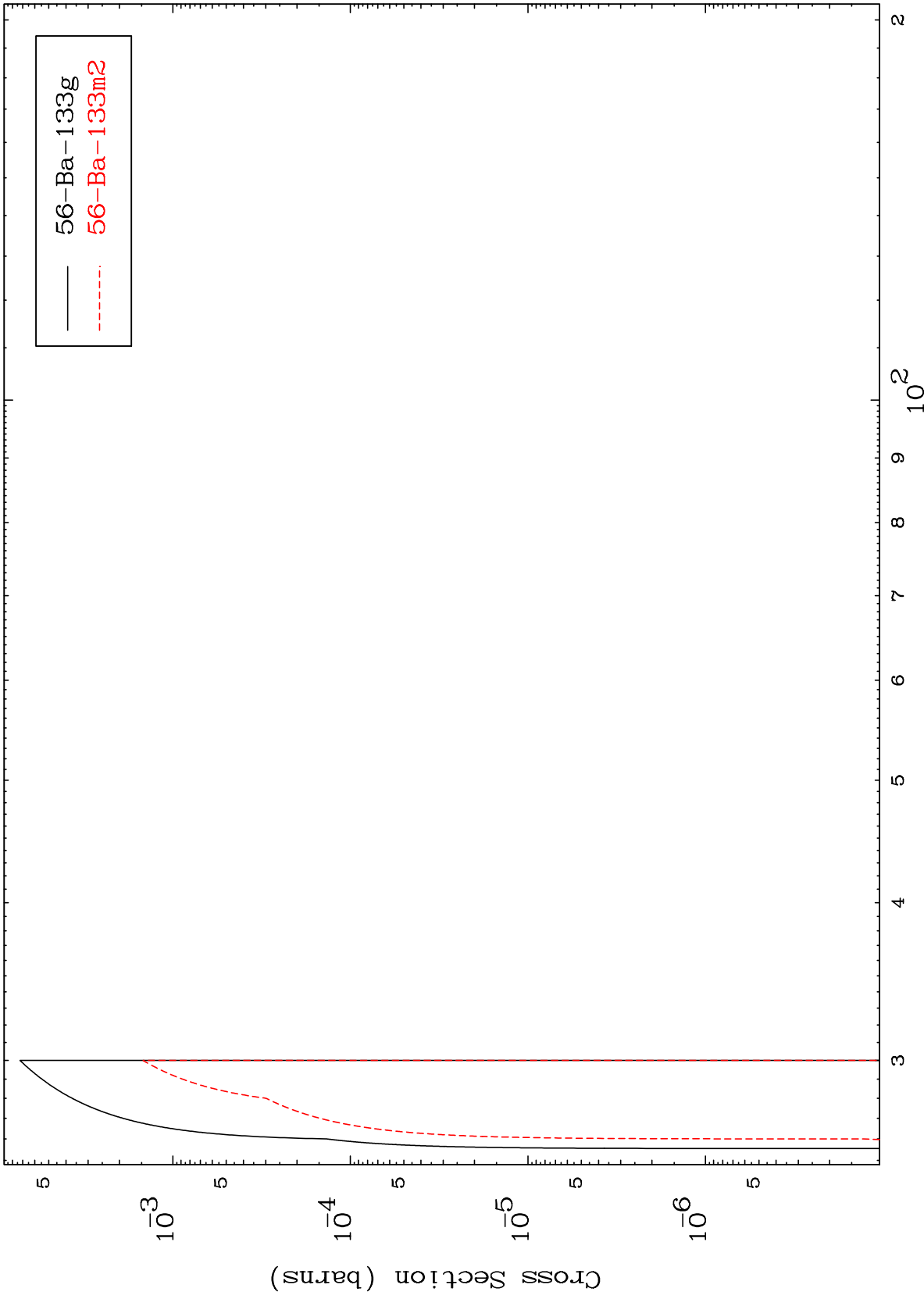
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

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



10

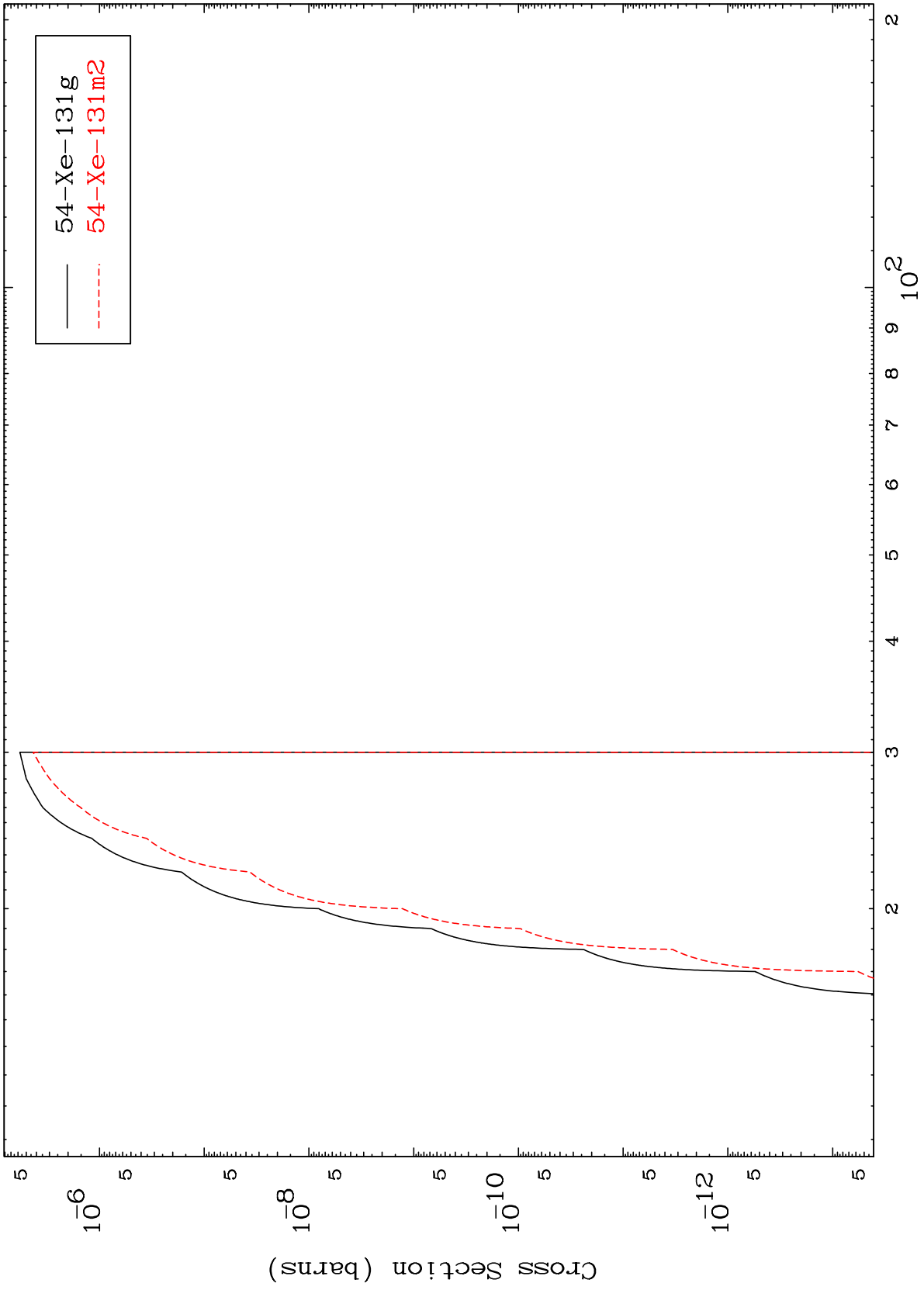
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

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



11

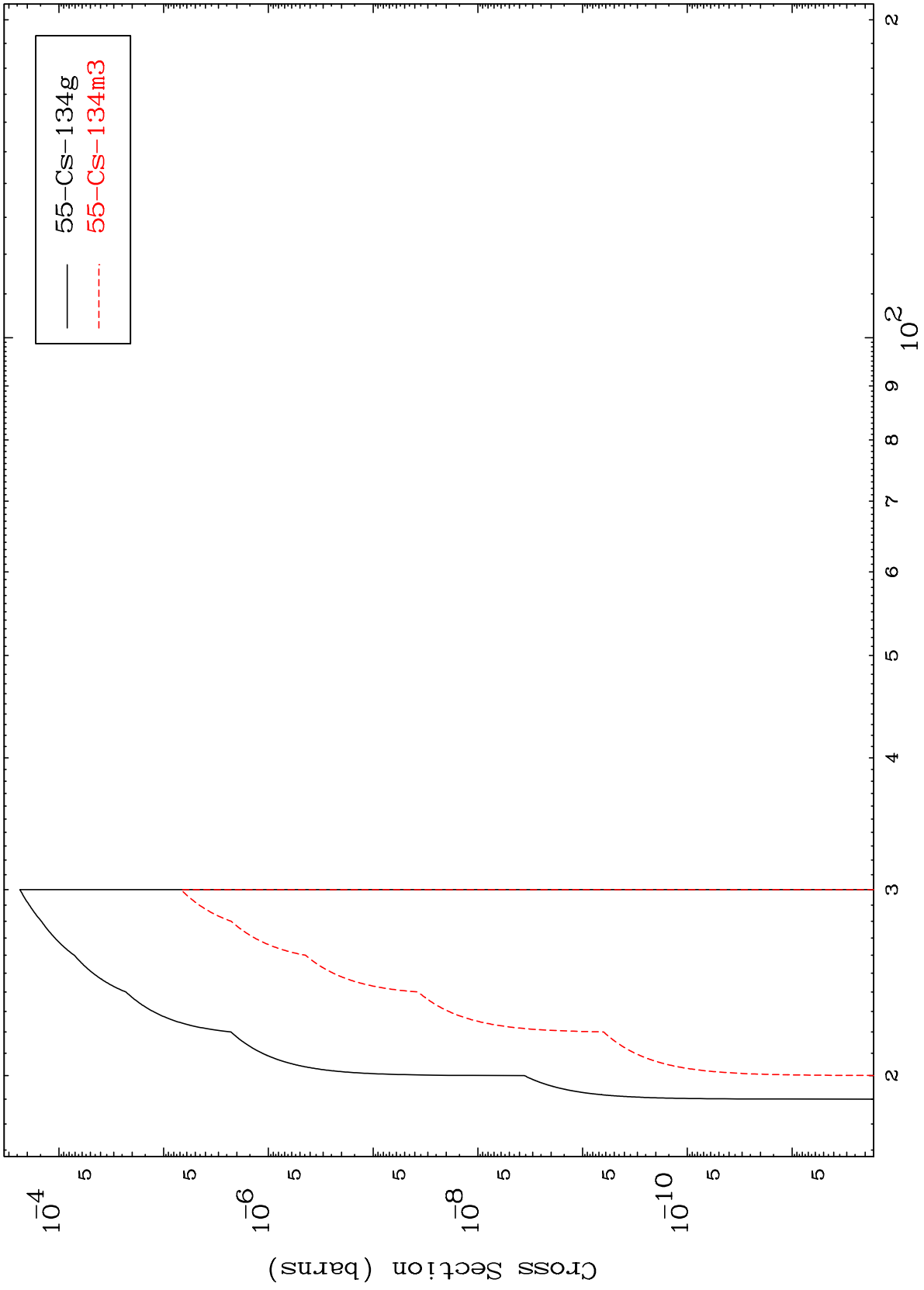
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

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



12

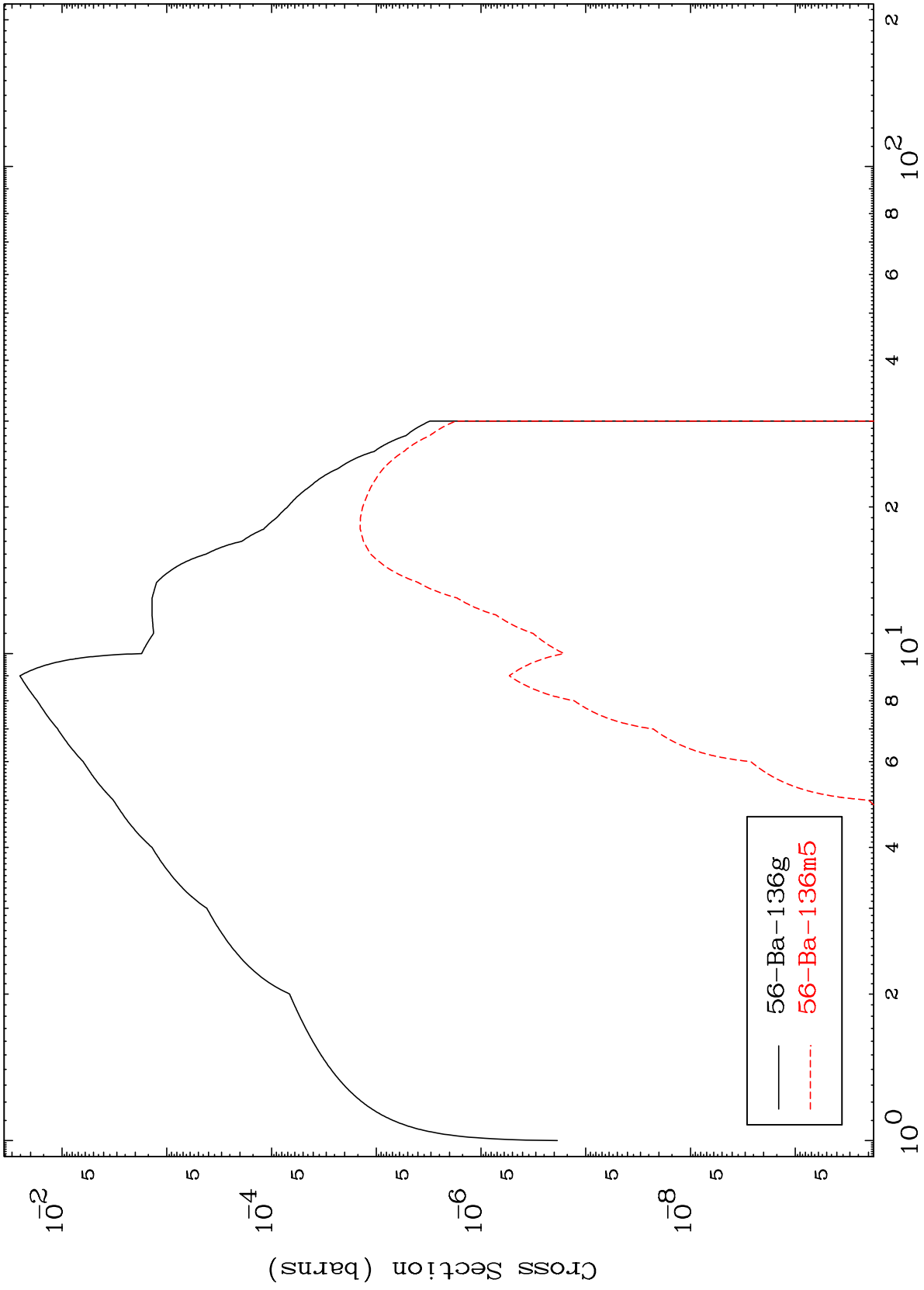
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

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



13

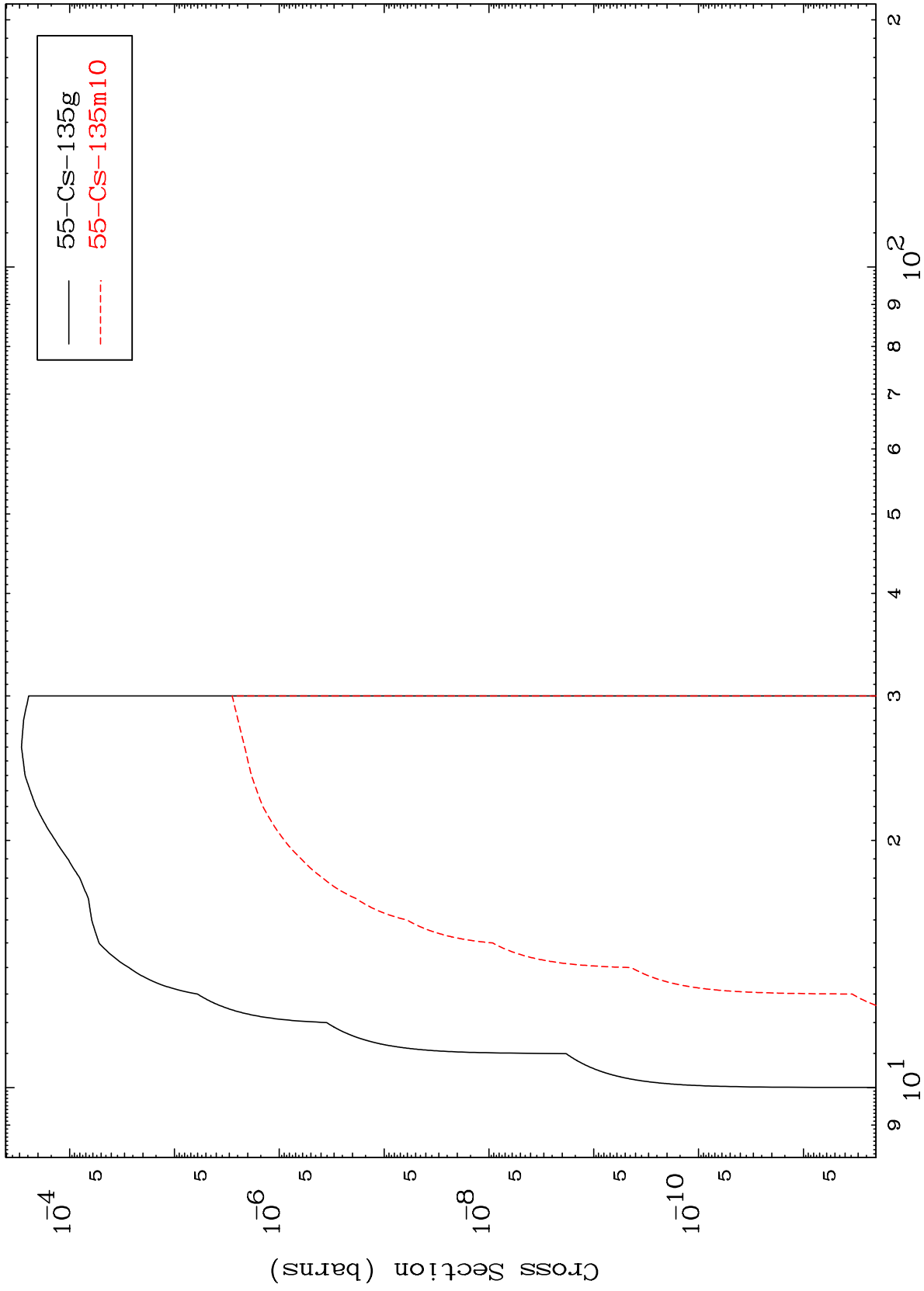
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

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



14

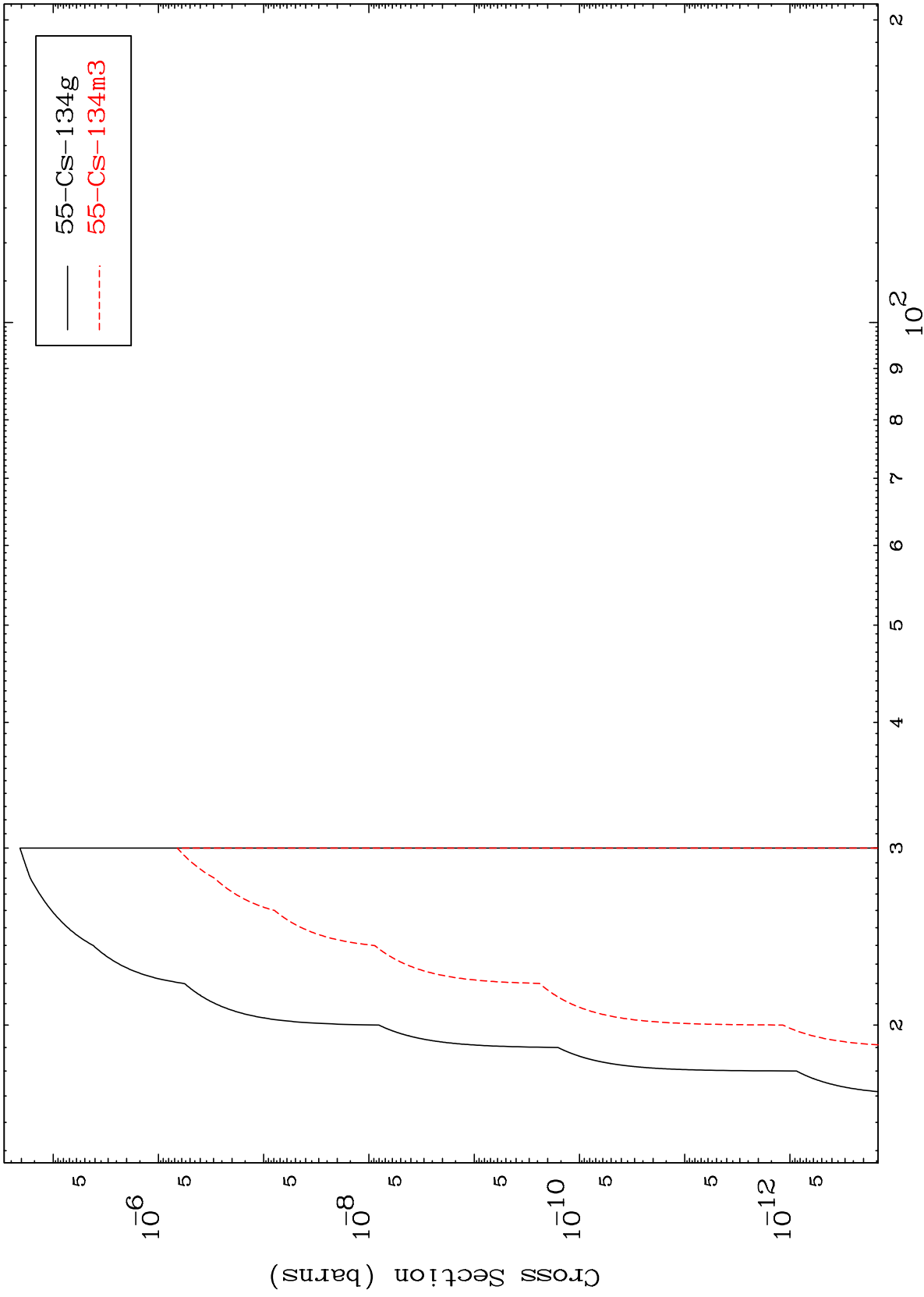
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

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



15

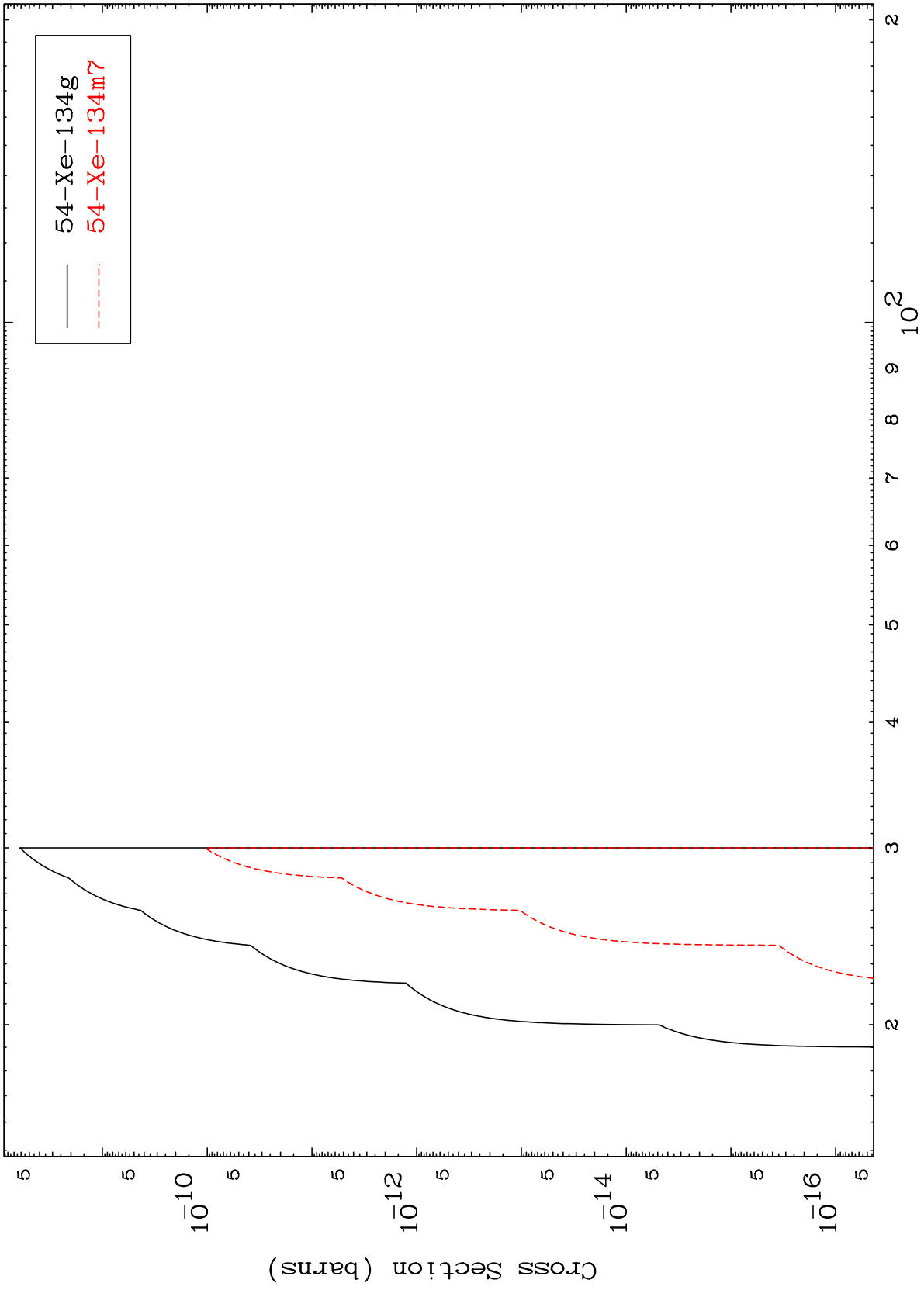
Incident Energy (MeV)

56-Ba-136

MAT 5643

56-Ba-136

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



16

56-Ba-136