

Program EVALPLOT  
(Version 2018-1)

by

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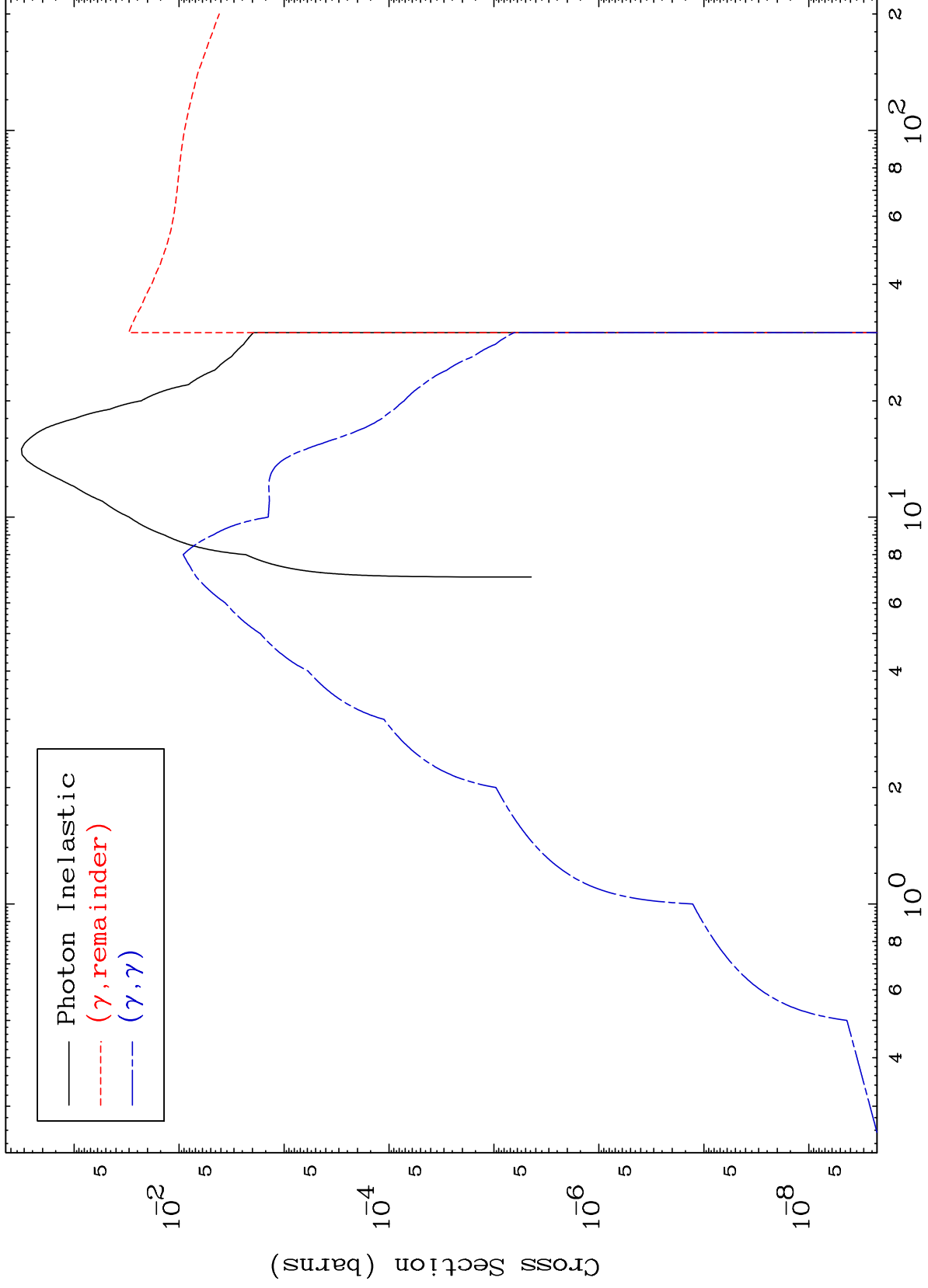
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5835

Photon Major  
0 Kelvin Cross Sections

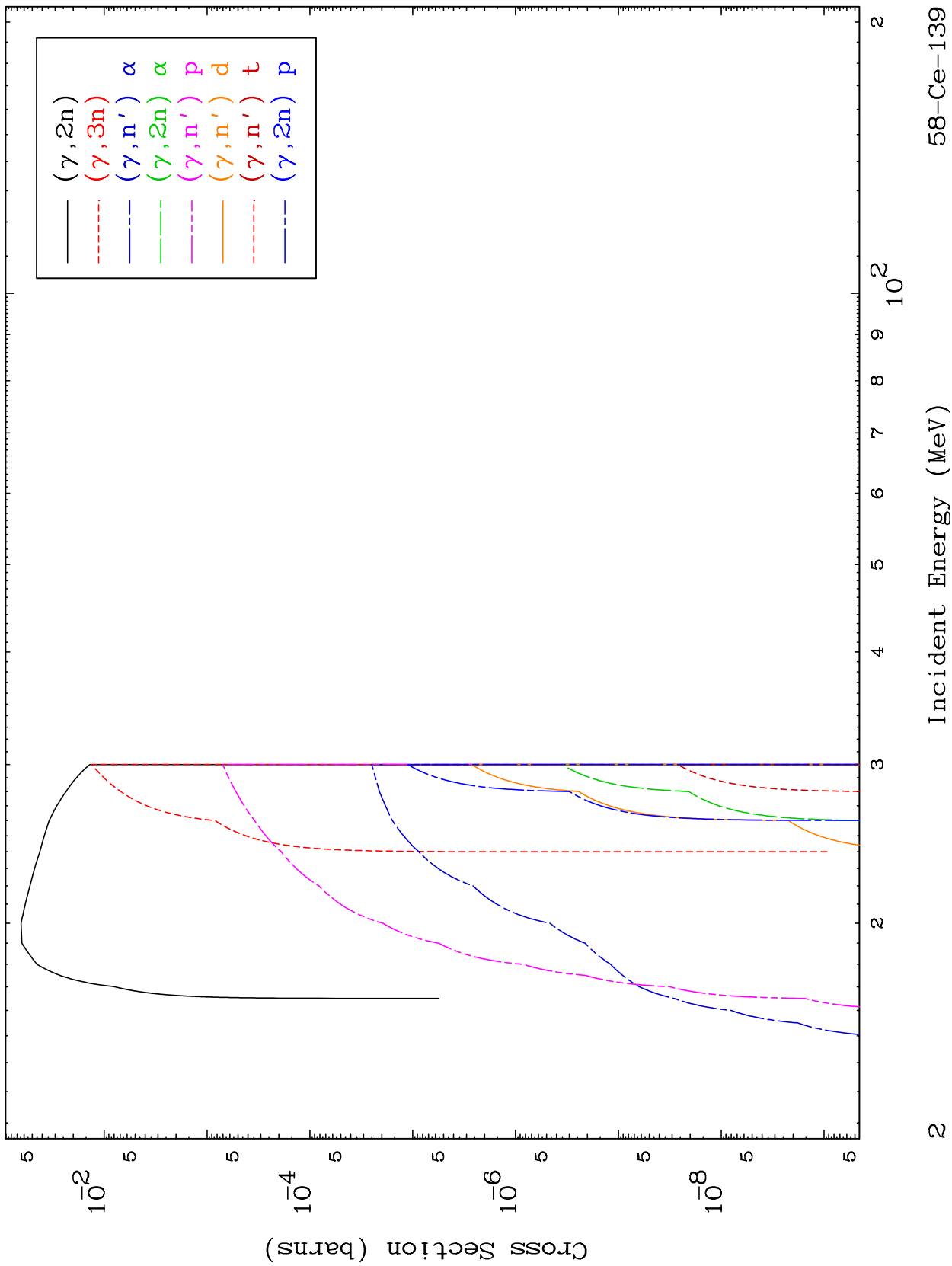
58-Ce-139



1

Incident Energy (MeV)

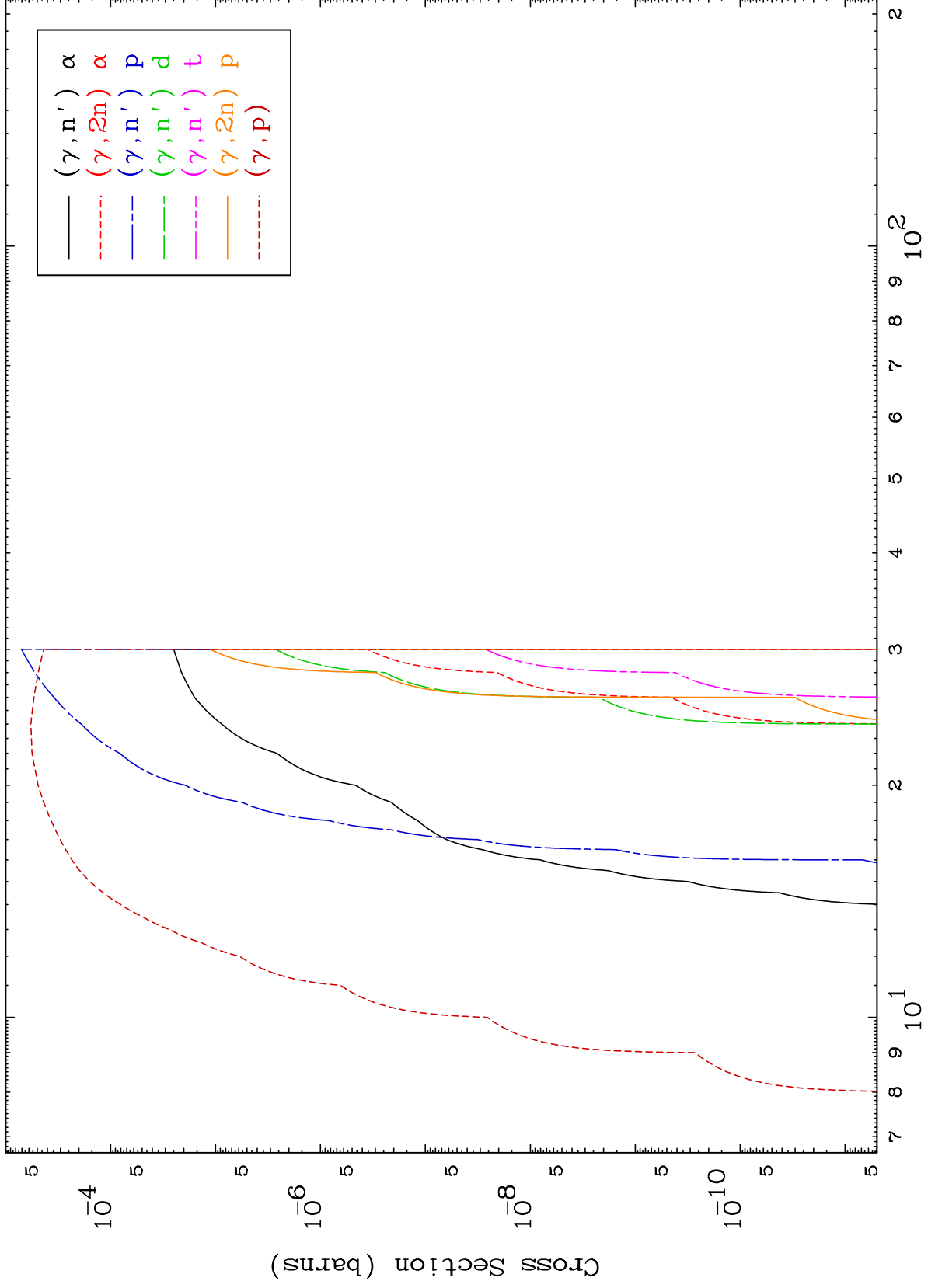
58-Ce-139



MAT 5835

Photon Charged Particle  
0 Kelvin Cross Sections

58-Ce-139



3

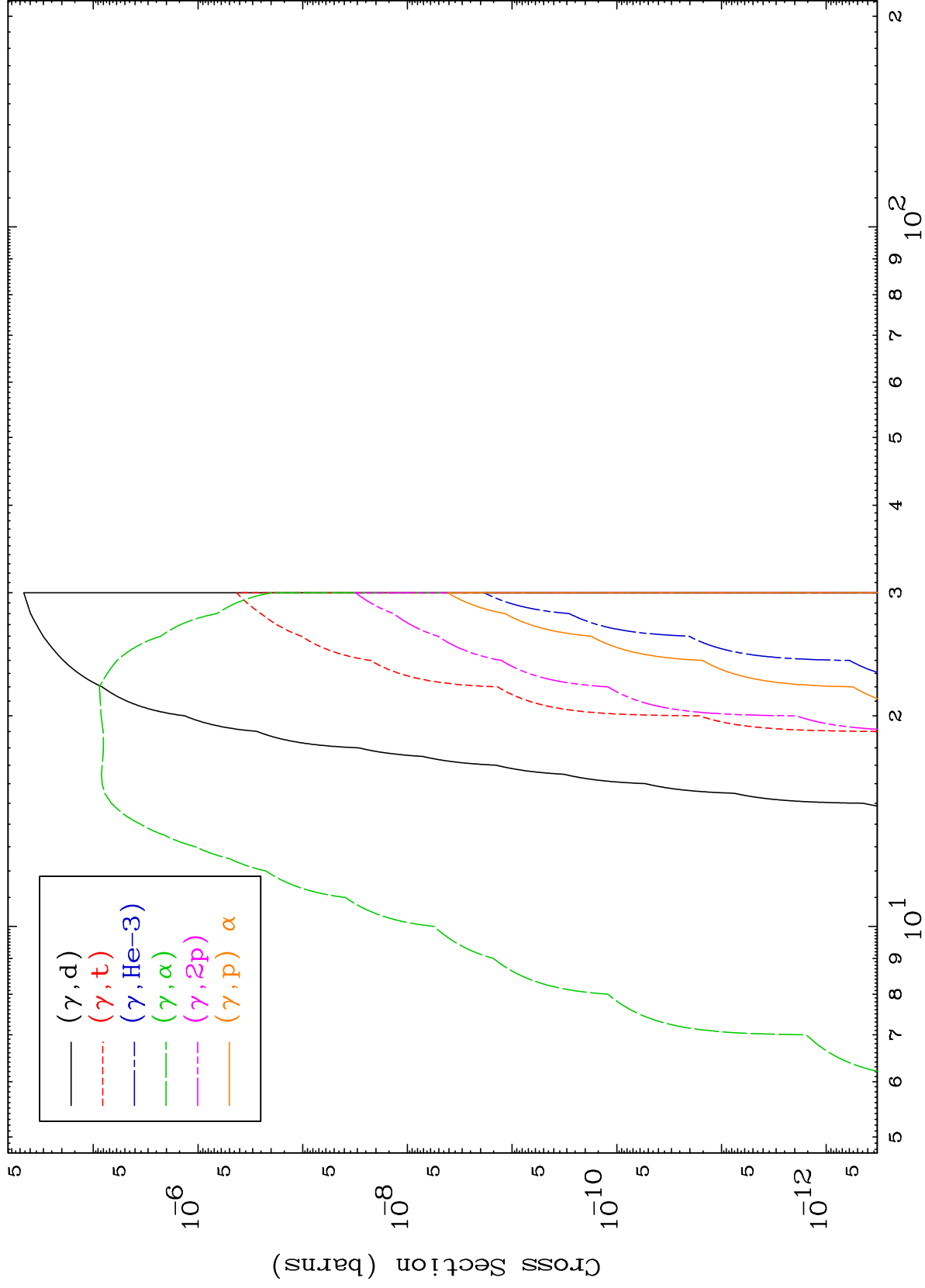
Incident Energy (MeV)

58-Ce-139

MAT 5835

Photon Charged Particle  
0 Kelvin Cross Sections

58-Ce-139



4

Incident Energy (MeV)

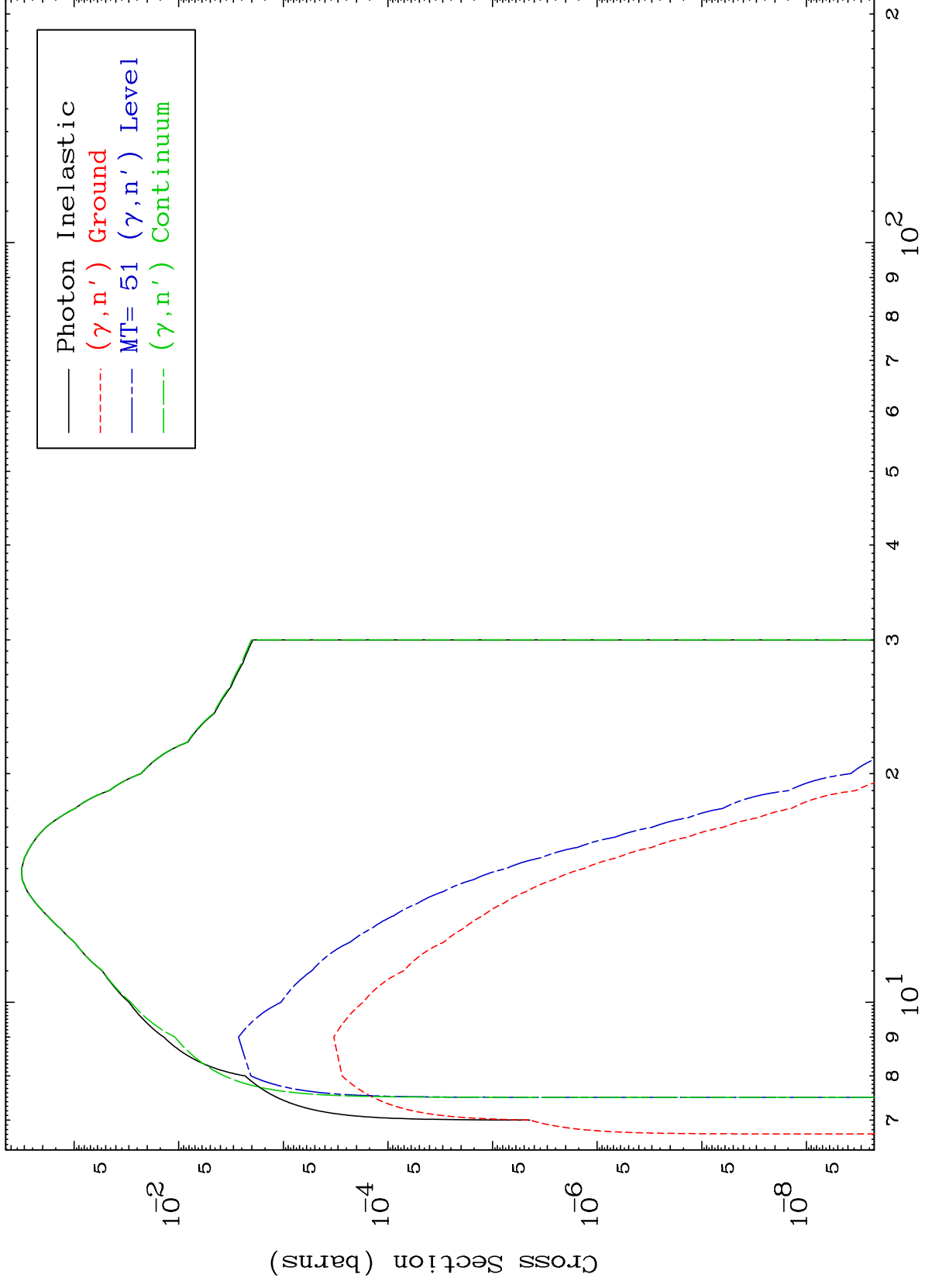
58-Ce-139

MAT 5835

( $\gamma, n'$ ) Level

58-Ce-139

0 Kelvin Cross Sections



5

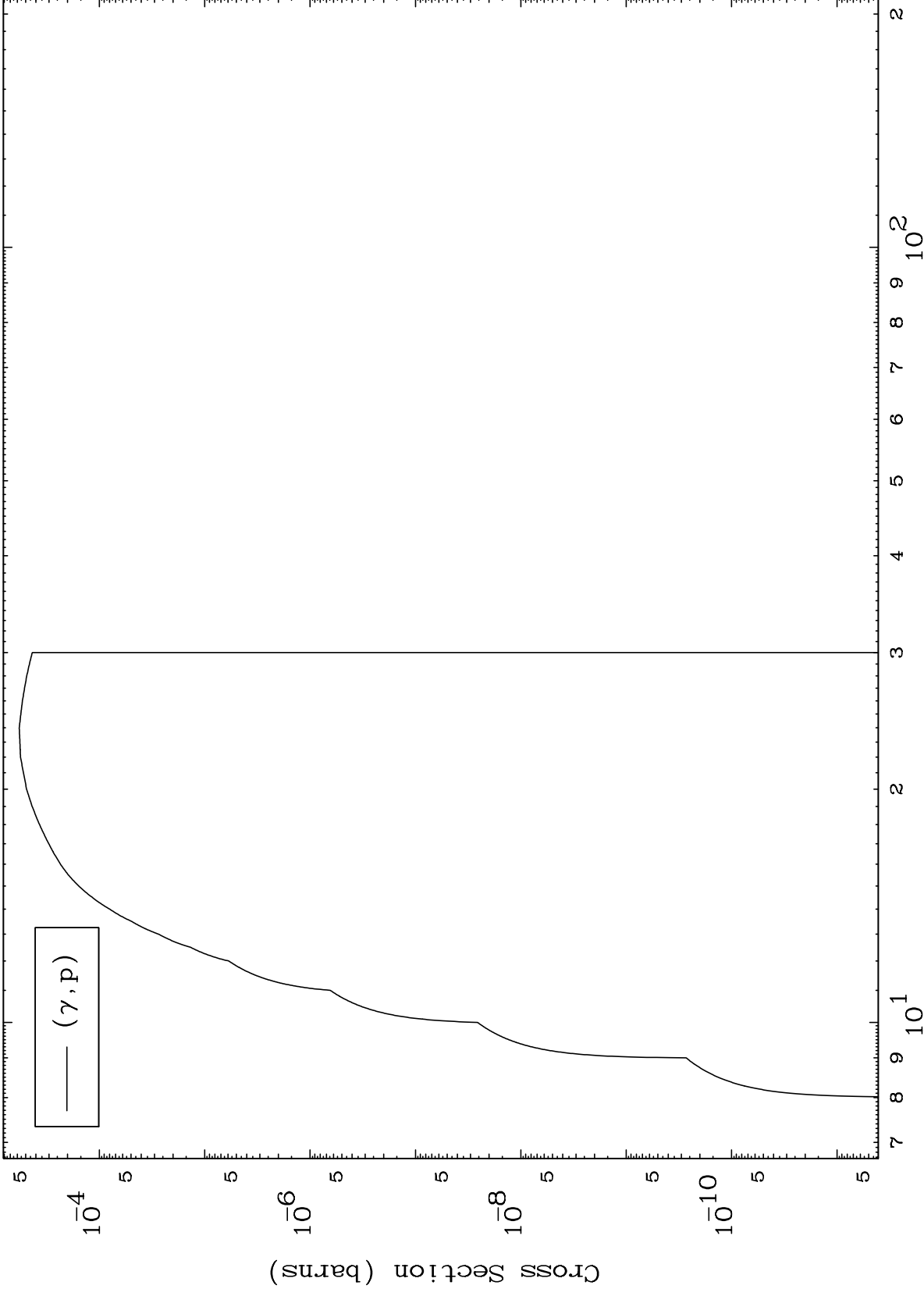
Incident Energy (MeV)

58-Ce-139

MAT 5835

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

58-Ce-139

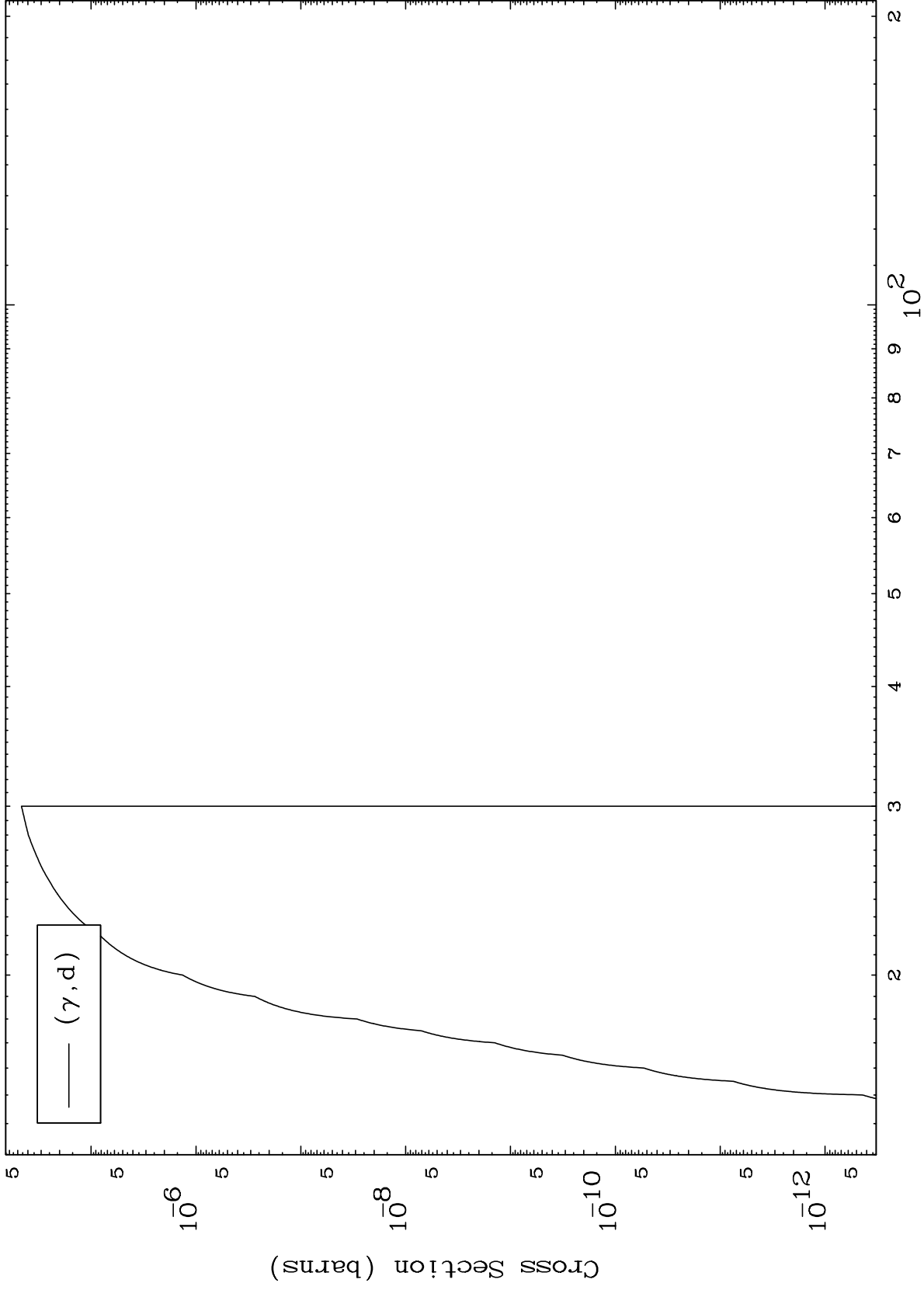


58-Ce-139

MAT 5835

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

58-Ce-139



7

Incident Energy (MeV)

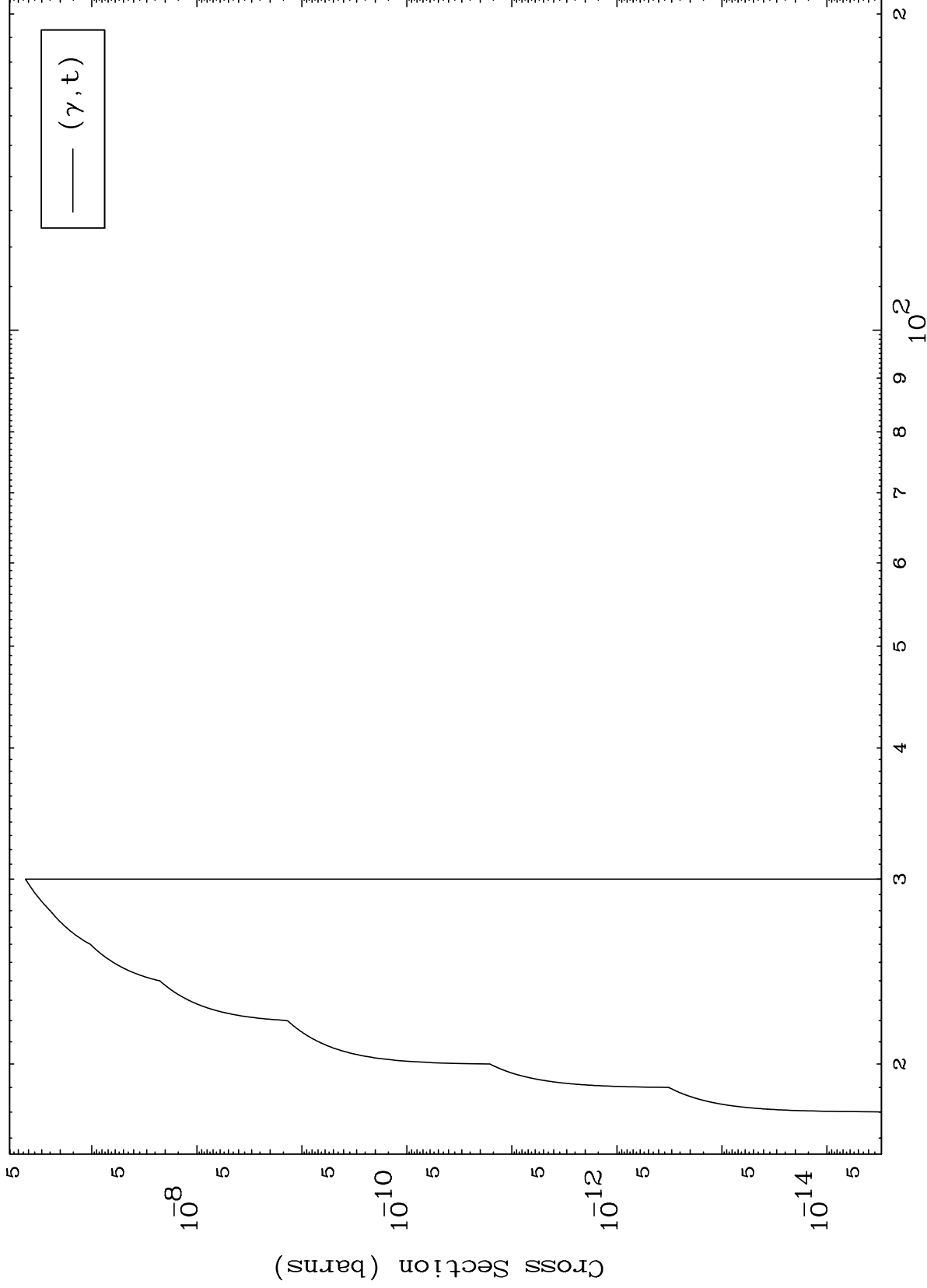
58-Ce-139



MAT 5835

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

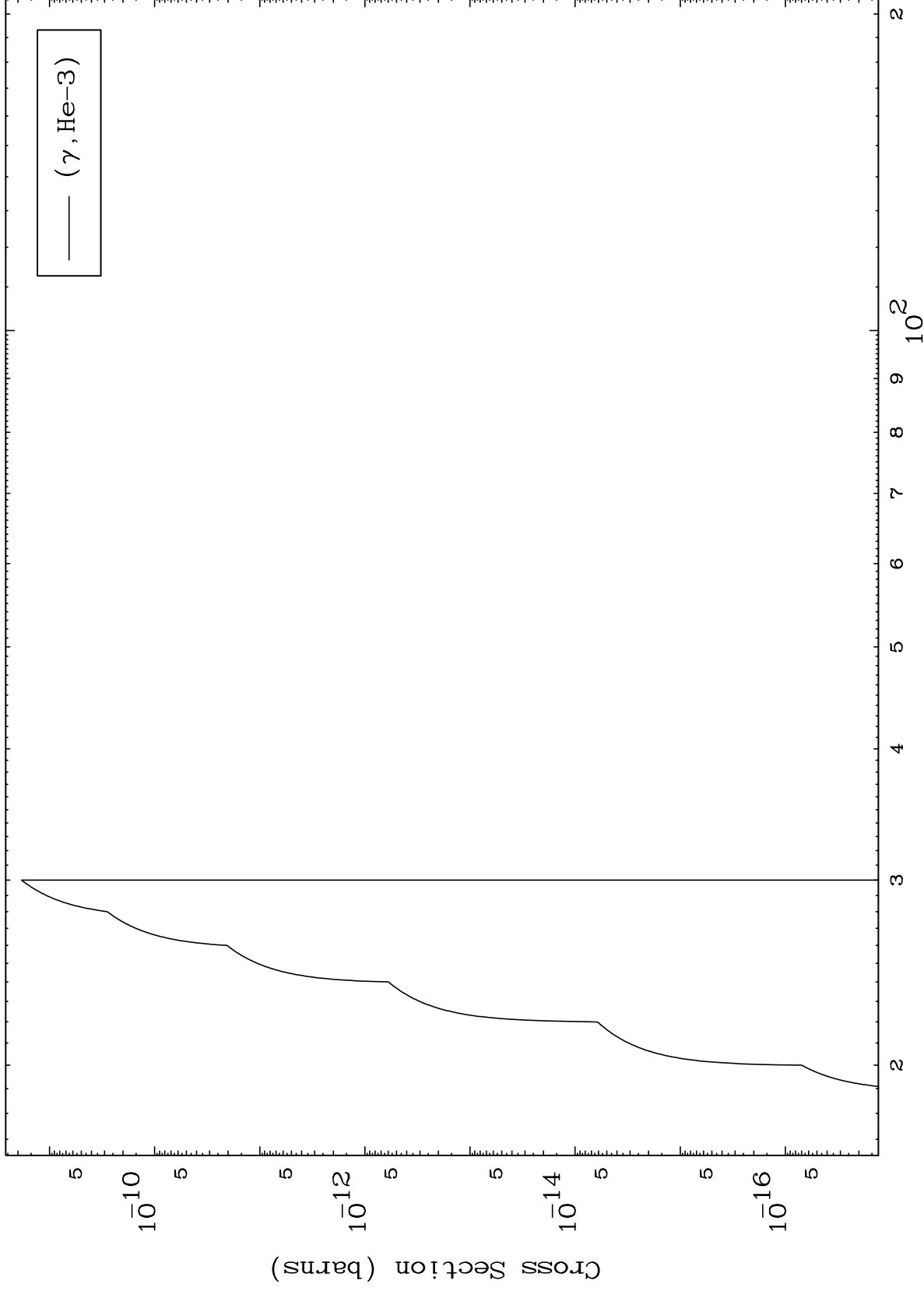
58-Ce-139



8

Incident Energy (MeV)

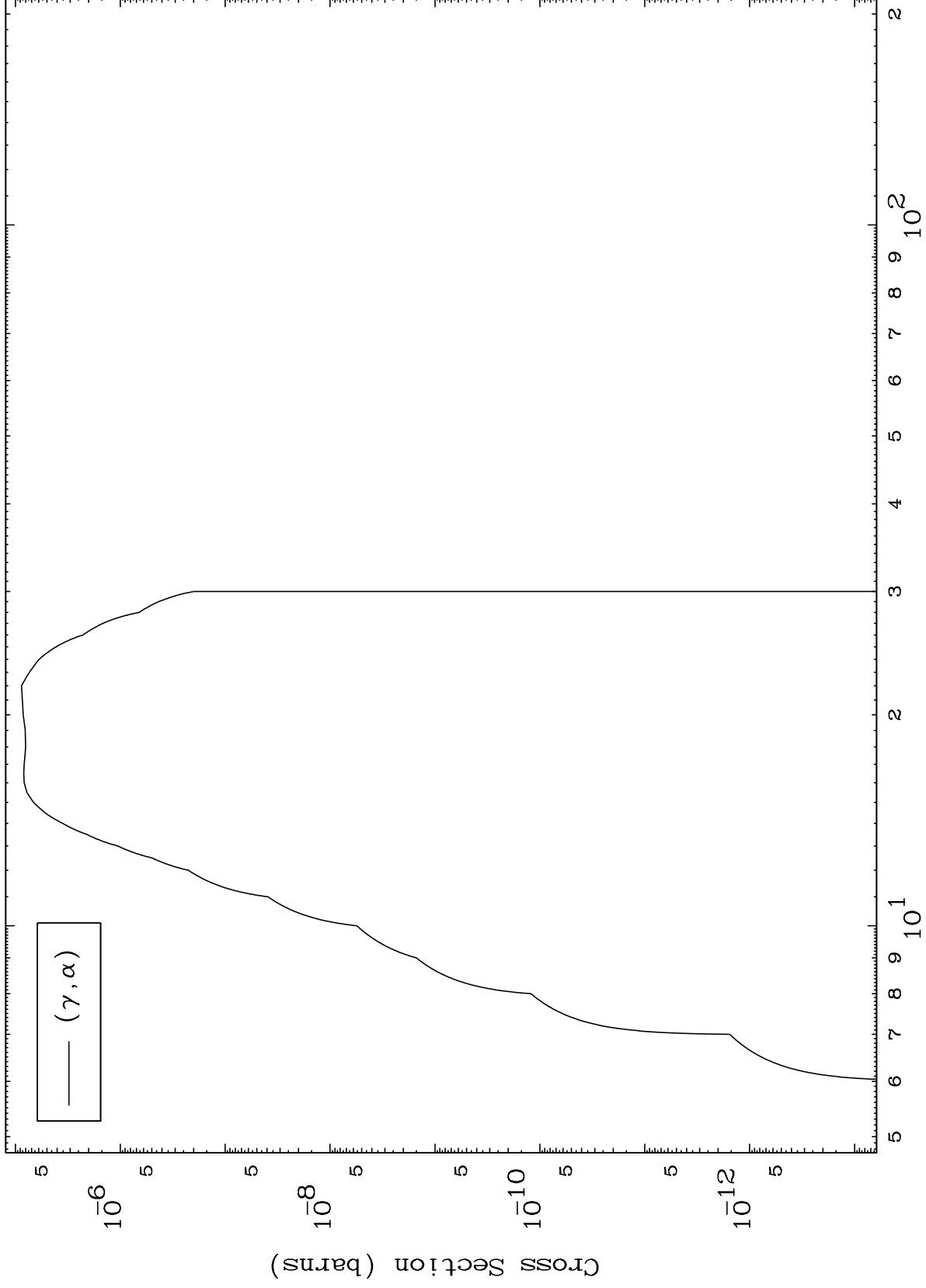
58-Ce-139



MAT 5835

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

58-Ce-139



10

Incident Energy (MeV)

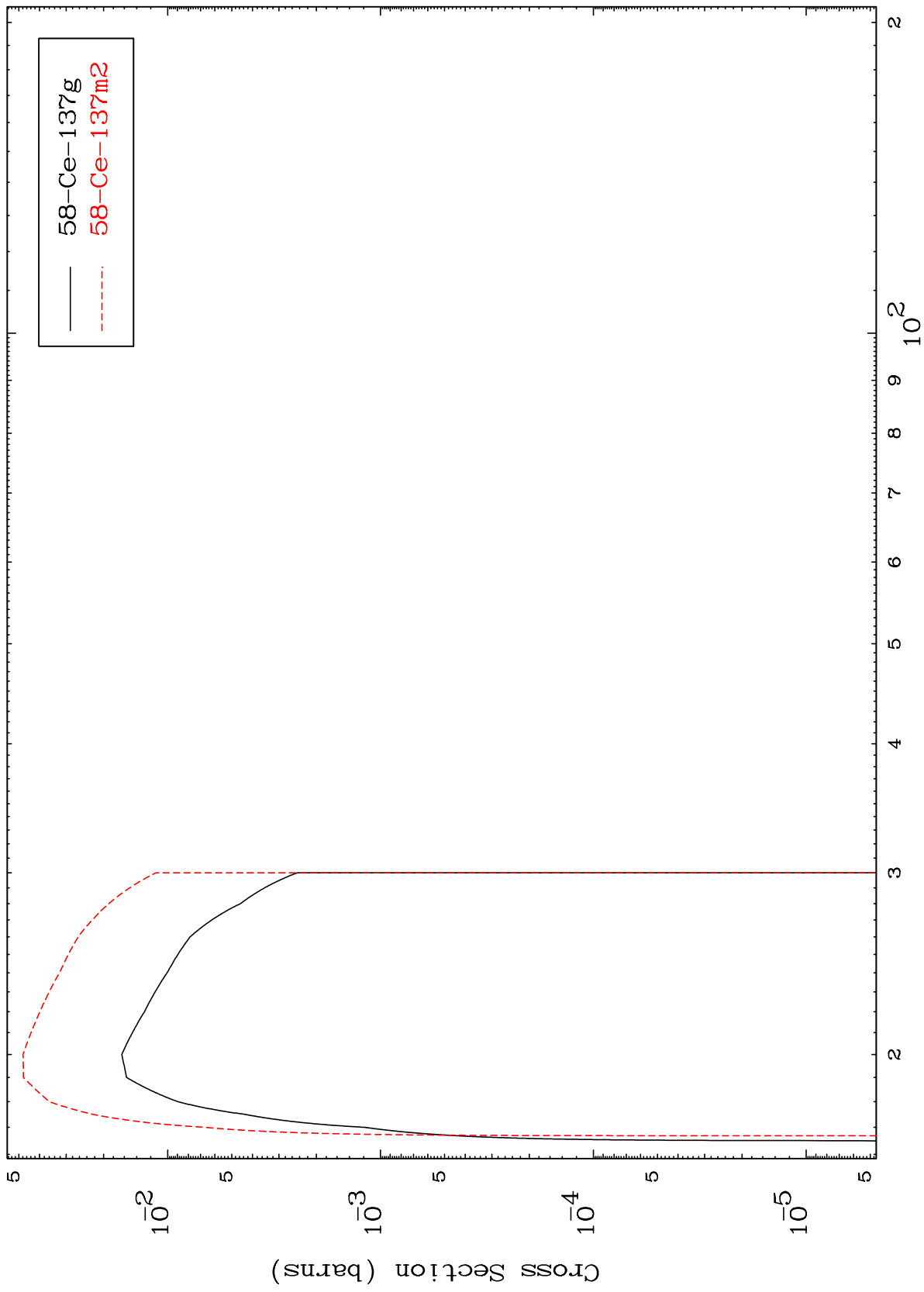
58-Ce-139

MAT 5835

58-Ce-139

( $\gamma, 2n$ )

Radionuclide Production Cross Section



11

Incident Energy (MeV)

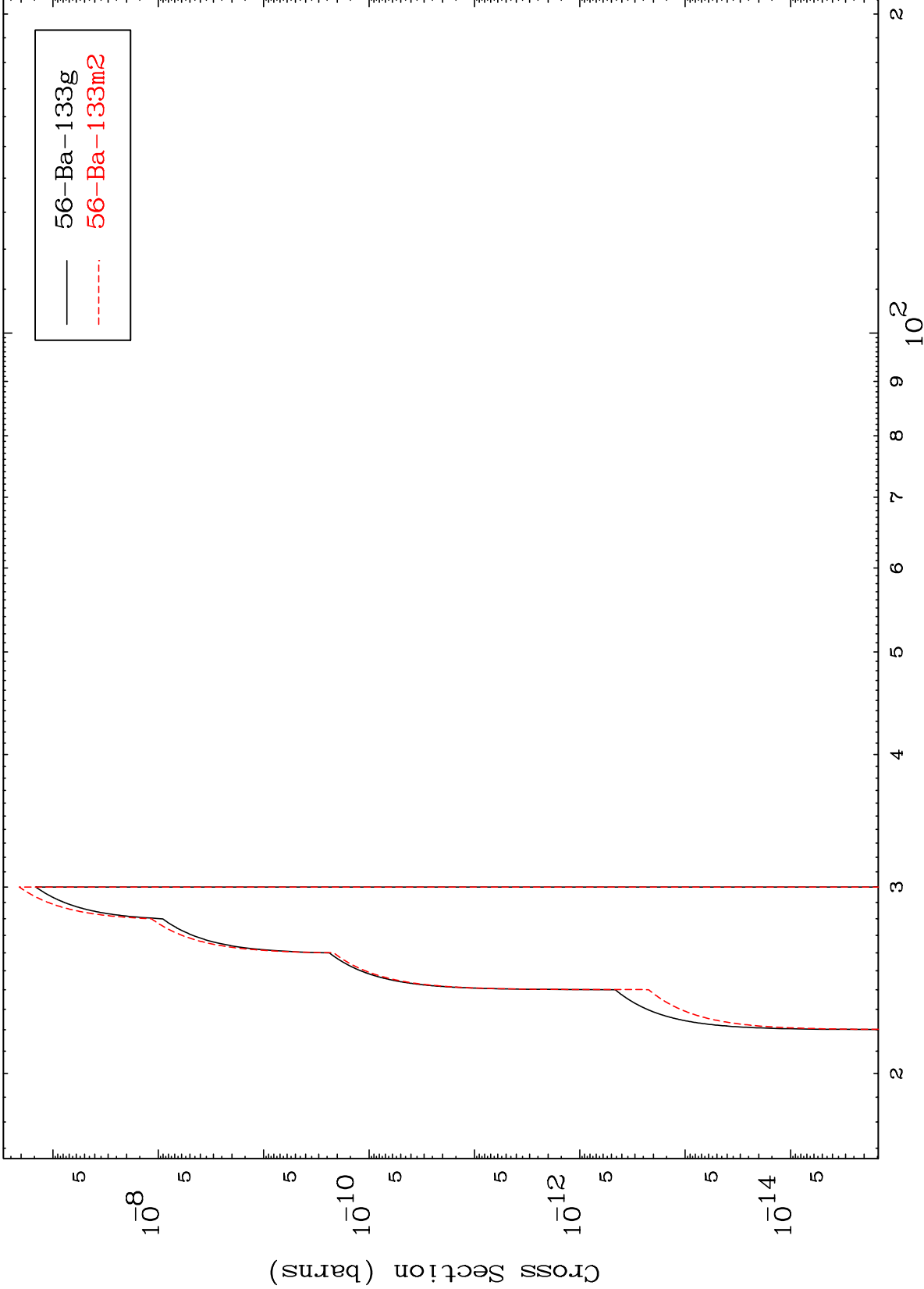
58-Ce-139

MAT 5835

$(\gamma, 2n) \alpha$

58-Ce-139

Radionuclide Production Cross Section



56-Ba-133g  
56-Ba-133m2

12

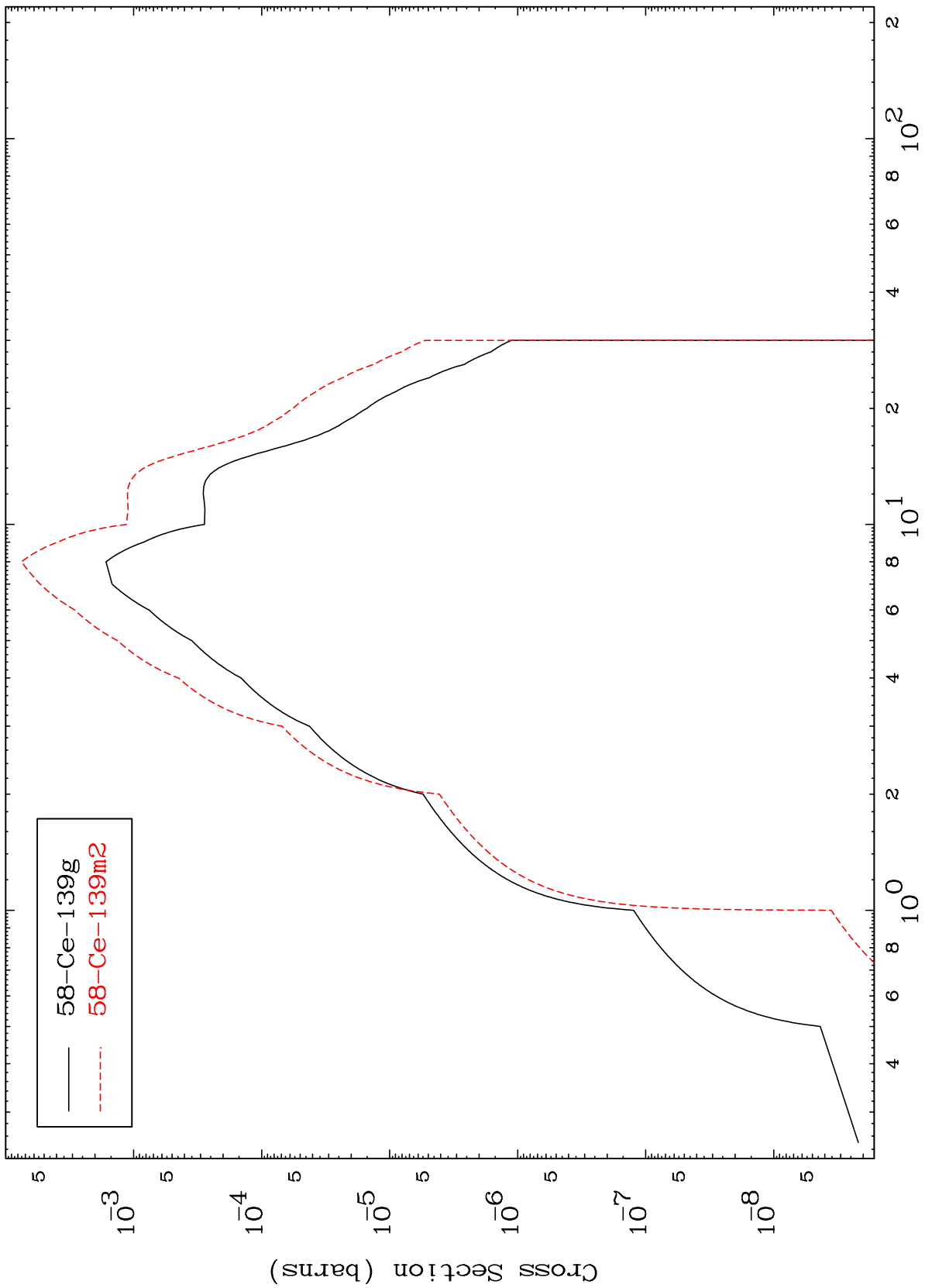
Incident Energy (MeV)

58-Ce-139

MAT 5835

58-Ce-139

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



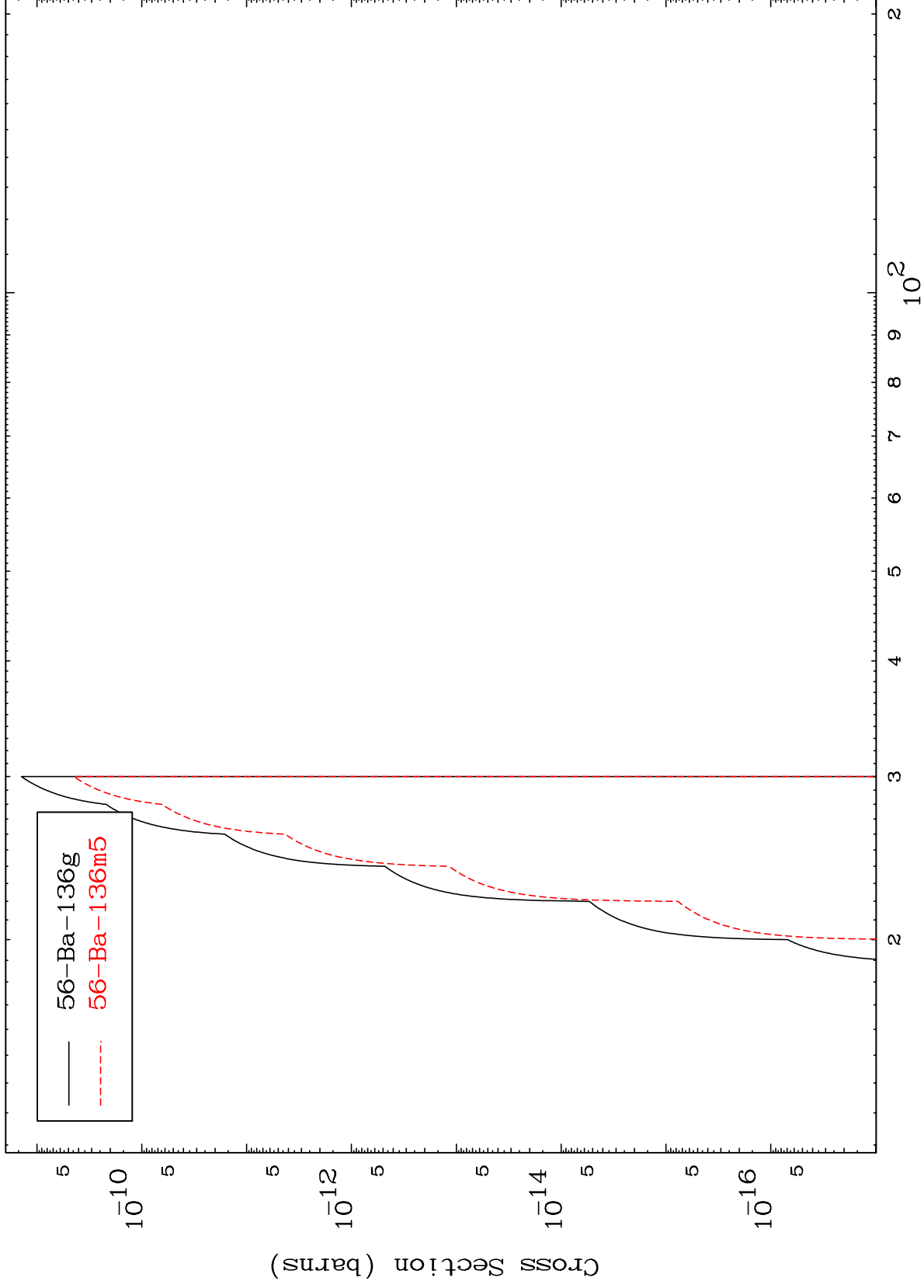
58-Ce-139g  
58-Ce-139m2

MAT 5835

( $\gamma, \text{He-3}$ )

58-Ce-139

Radionuclide Production Cross Section



14

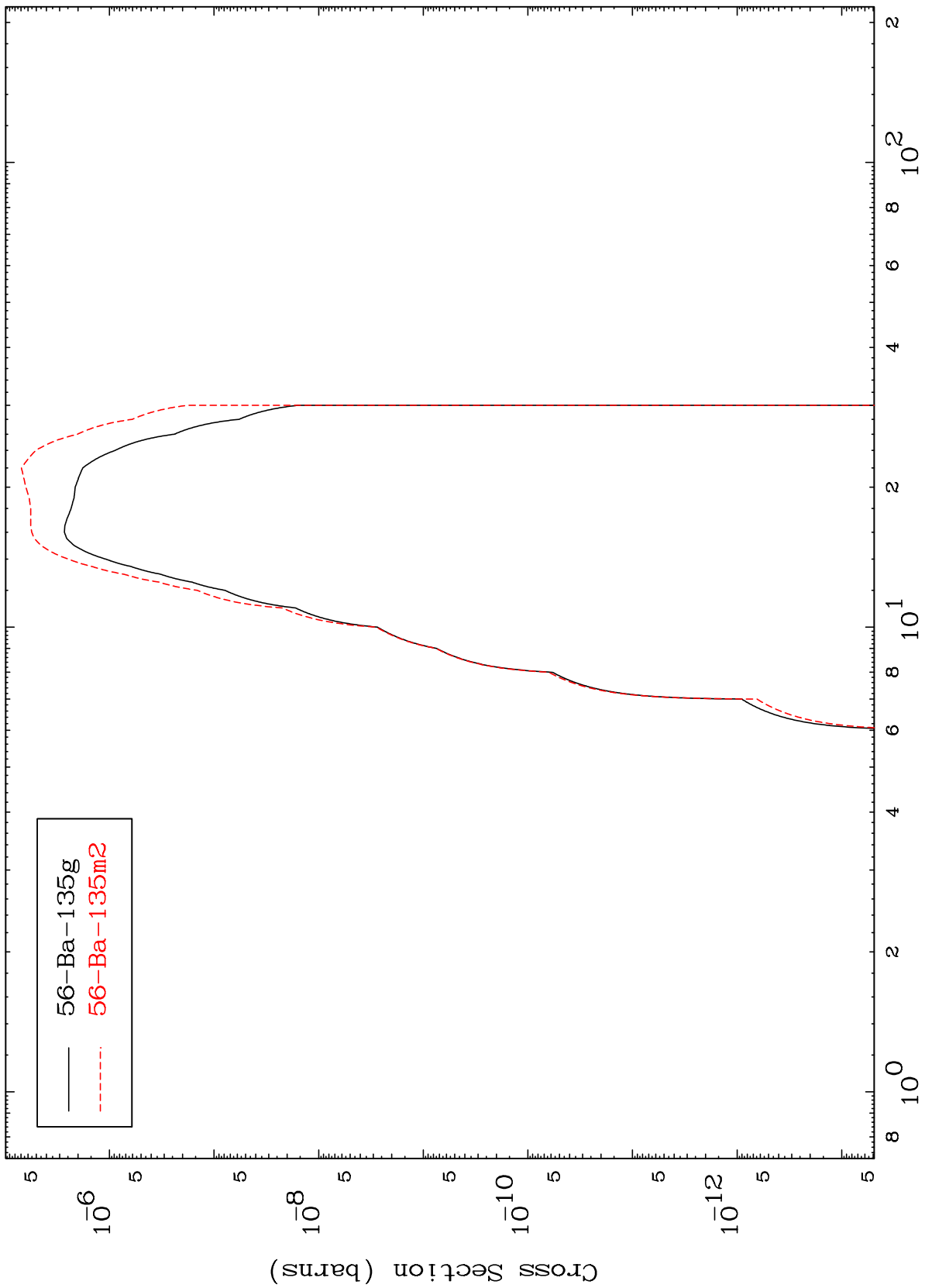
Incident Energy (MeV)

58-Ce-139

MAT 5835

58-Ce-139

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



58-Ce-139

Incident Energy (MeV)

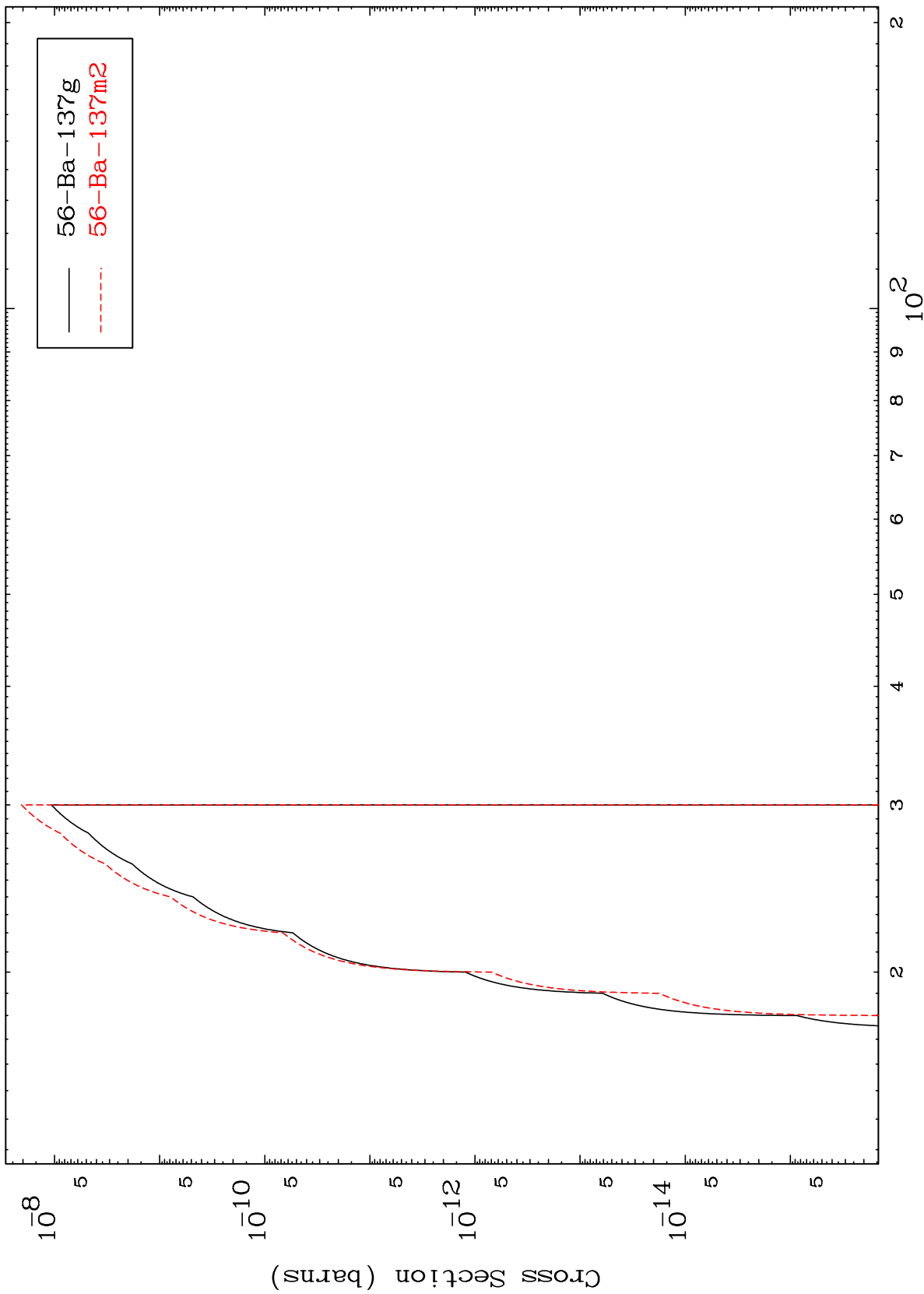
15



MAT 5835

58-Ce-139

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



16

58-Ce-139

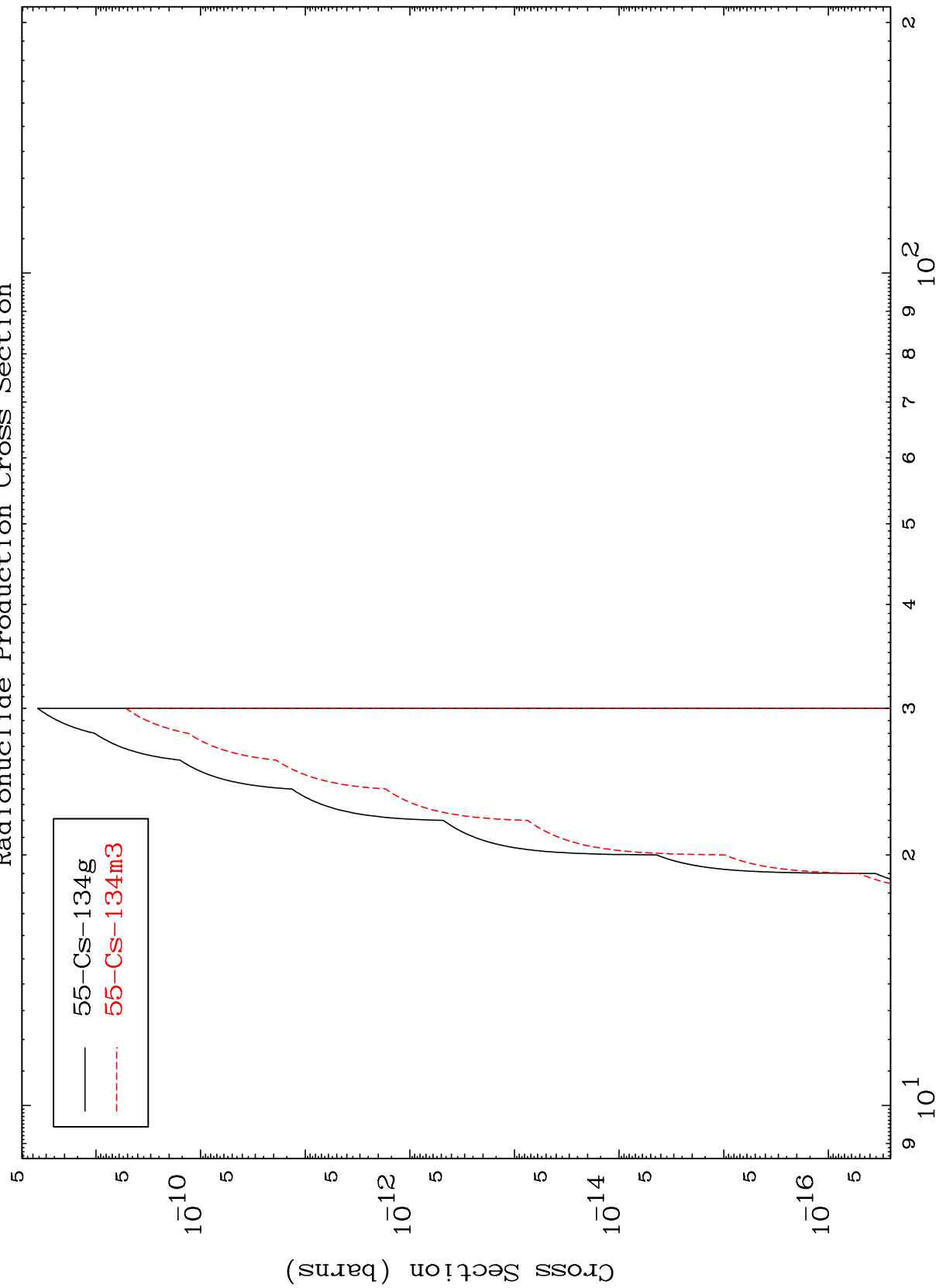
Incident Energy (MeV)

MAT 5835

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

58-Ce-139

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-139

17