

Program EVALPLOT  
(Version 2017-1)

by

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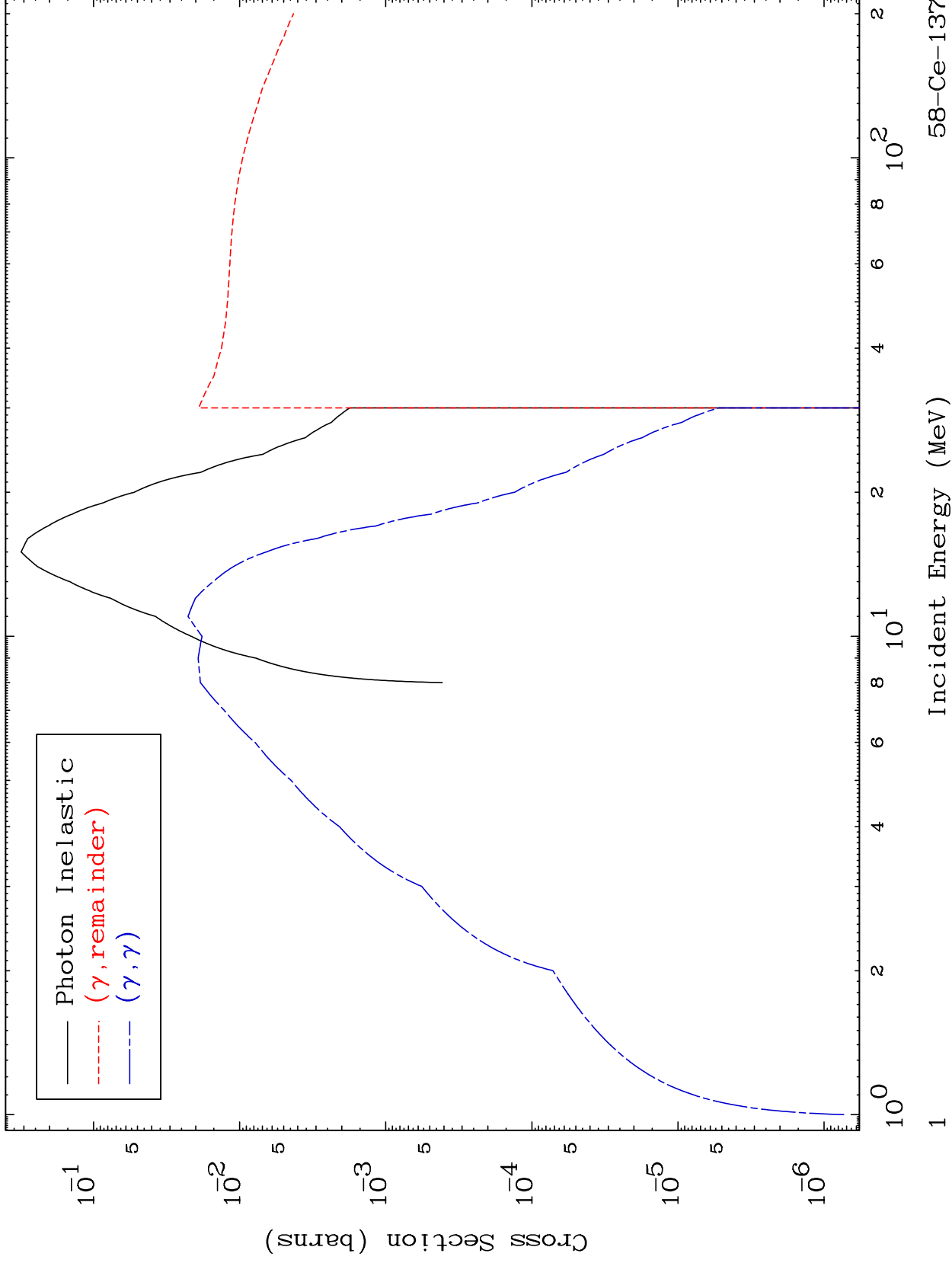
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5829

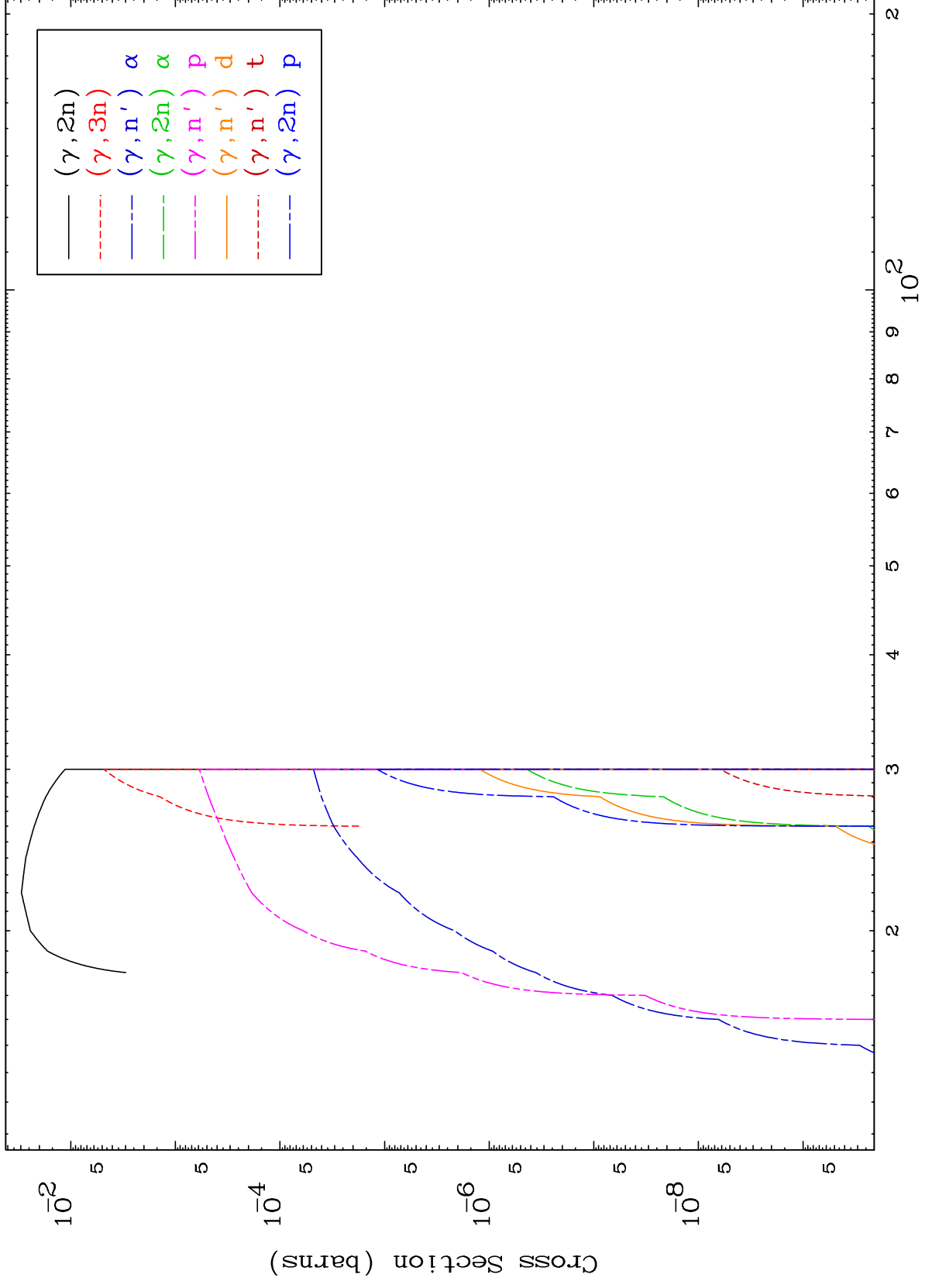
Photon Major  
0 Kelvin Cross Sections

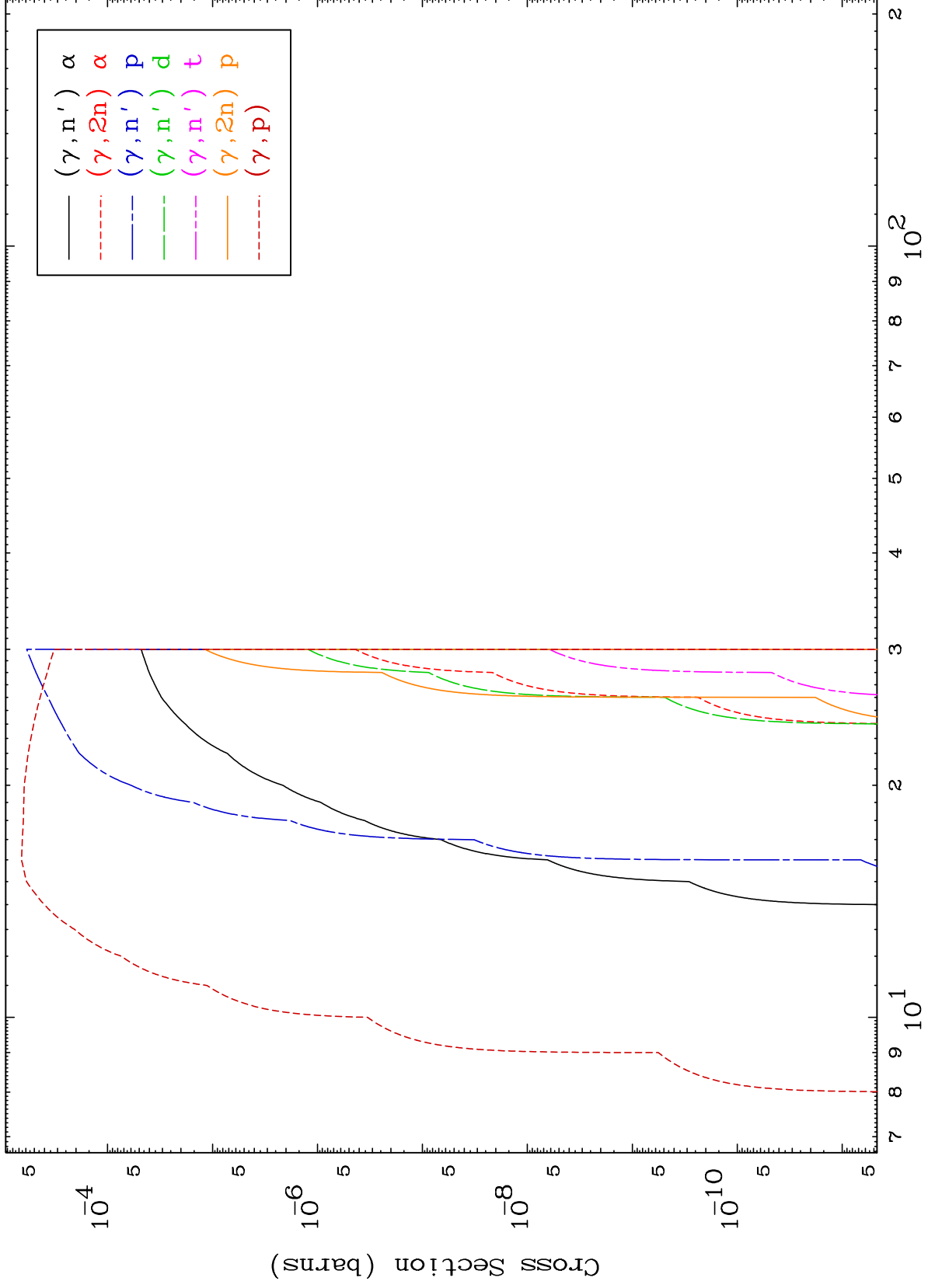
58-Ce-137



58-Ce-137

Incident Energy (MeV)

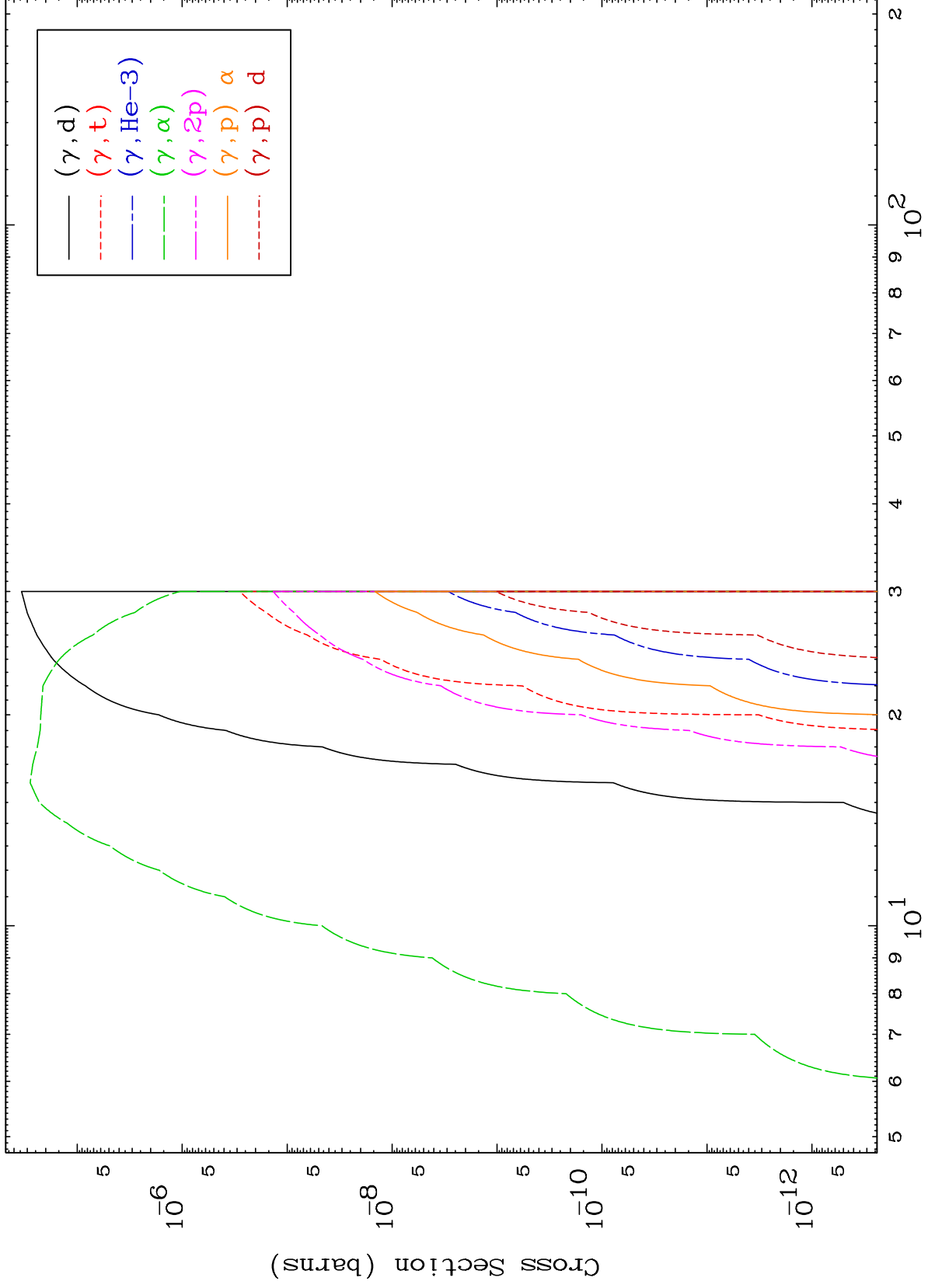




MAT 5829

Photon Charged Particle  
0 Kelvin Cross Sections

58-Ce-137



4

Incident Energy (MeV)

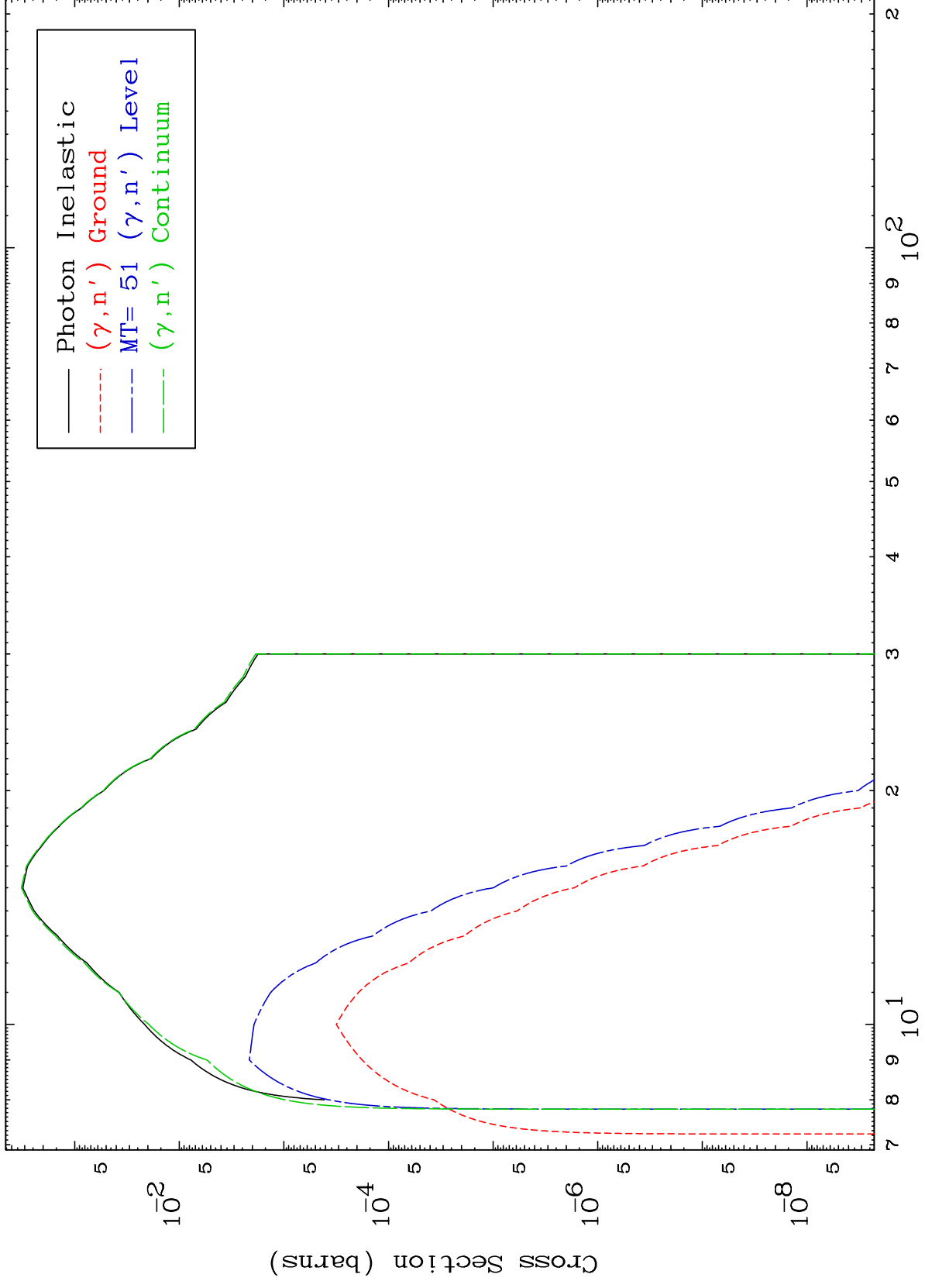
58-Ce-137

MAT 58229

$(\gamma, n')$  Level

58-Ce-137

0 Kelvin Cross Sections



Photon Inelastic  
 $(\gamma, n')$  Ground  
MT=51  $(\gamma, n')$  Level  
 $(\gamma, n')$  Continuum

5

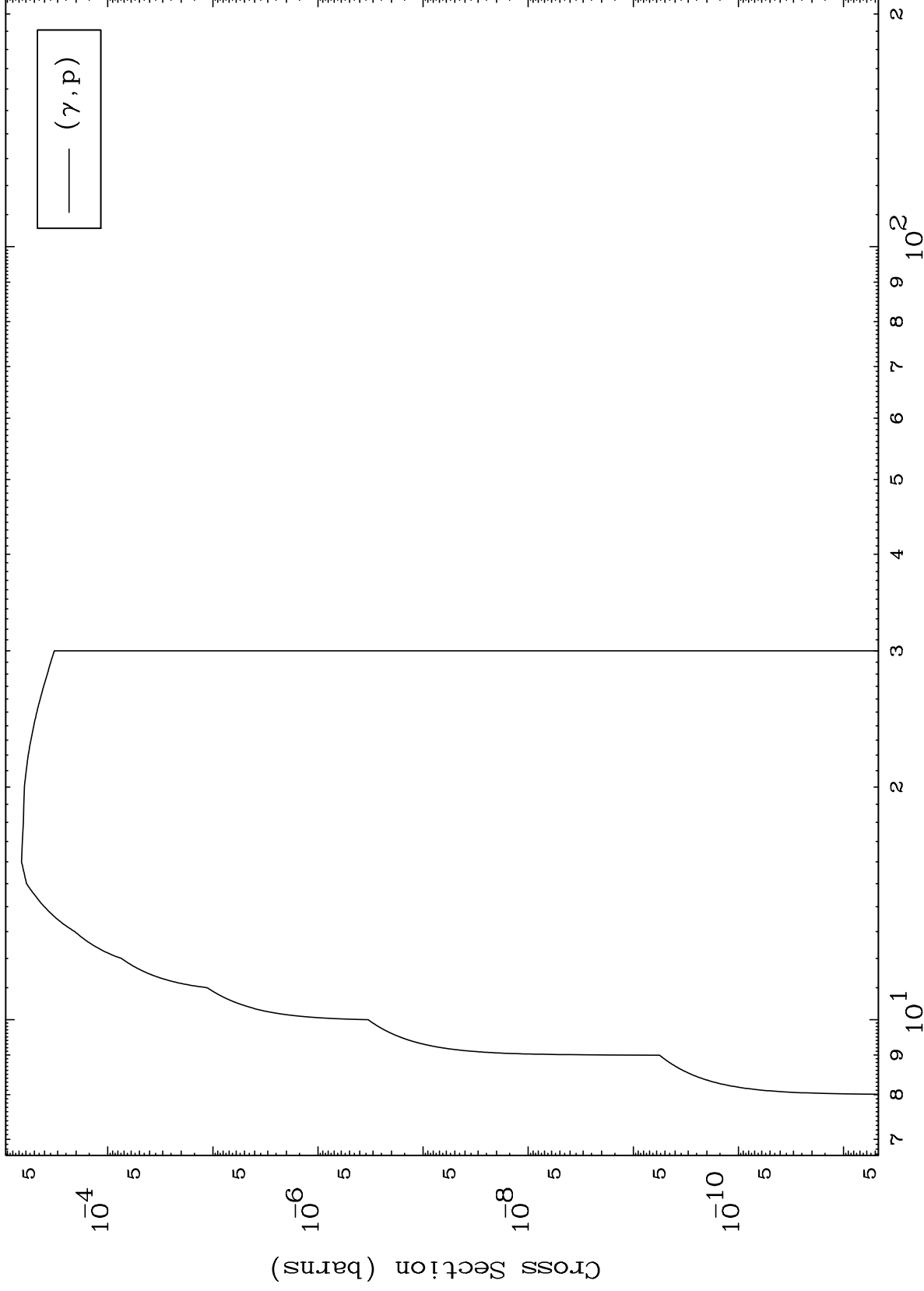
Incident Energy (MeV)

58-Ce-137

MAT 5829

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

58-Ce-137



6

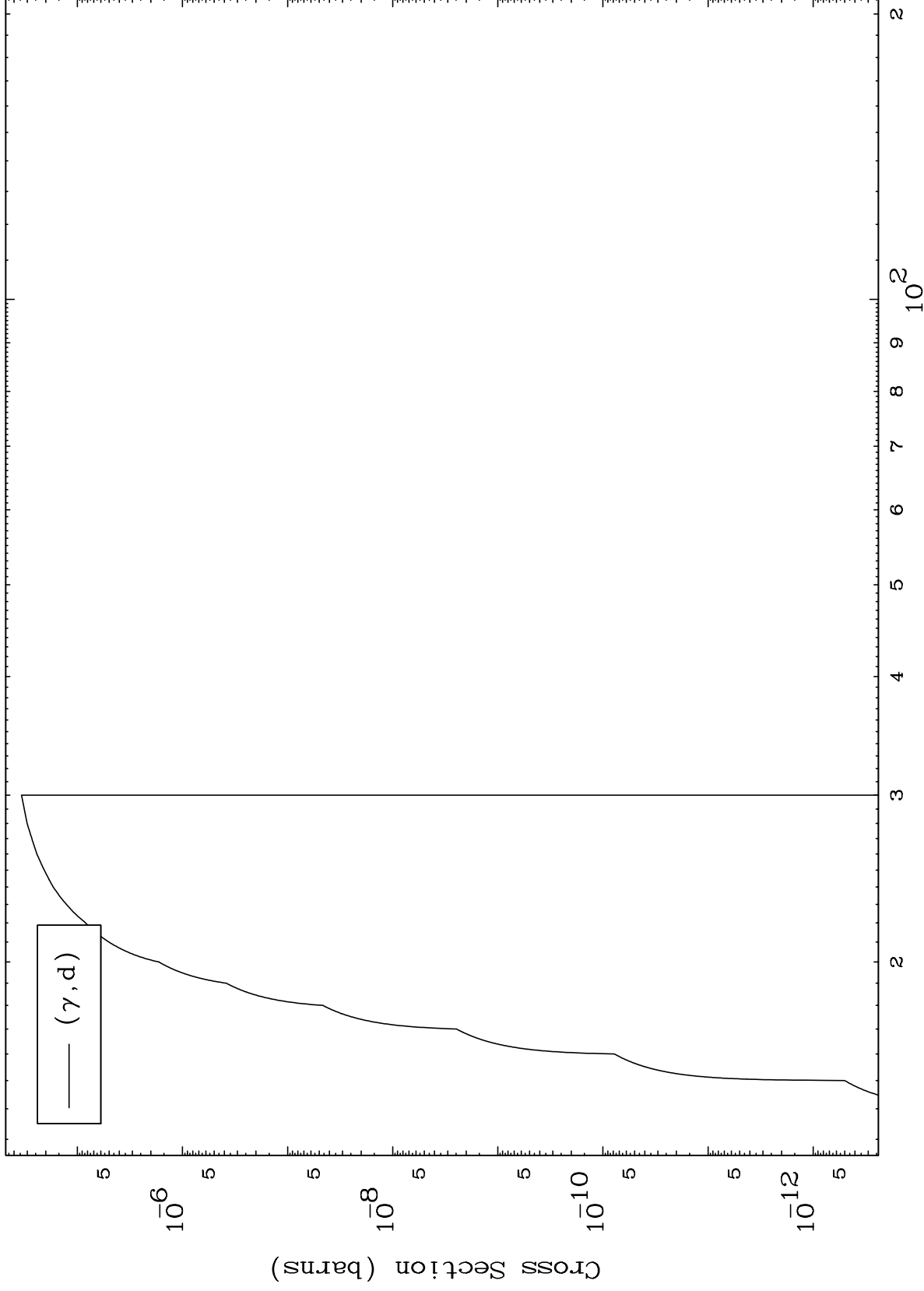
Incident Energy (MeV)

58-Ce-137

MAT 5829

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

58-Ce-137



7

Incident Energy (MeV)

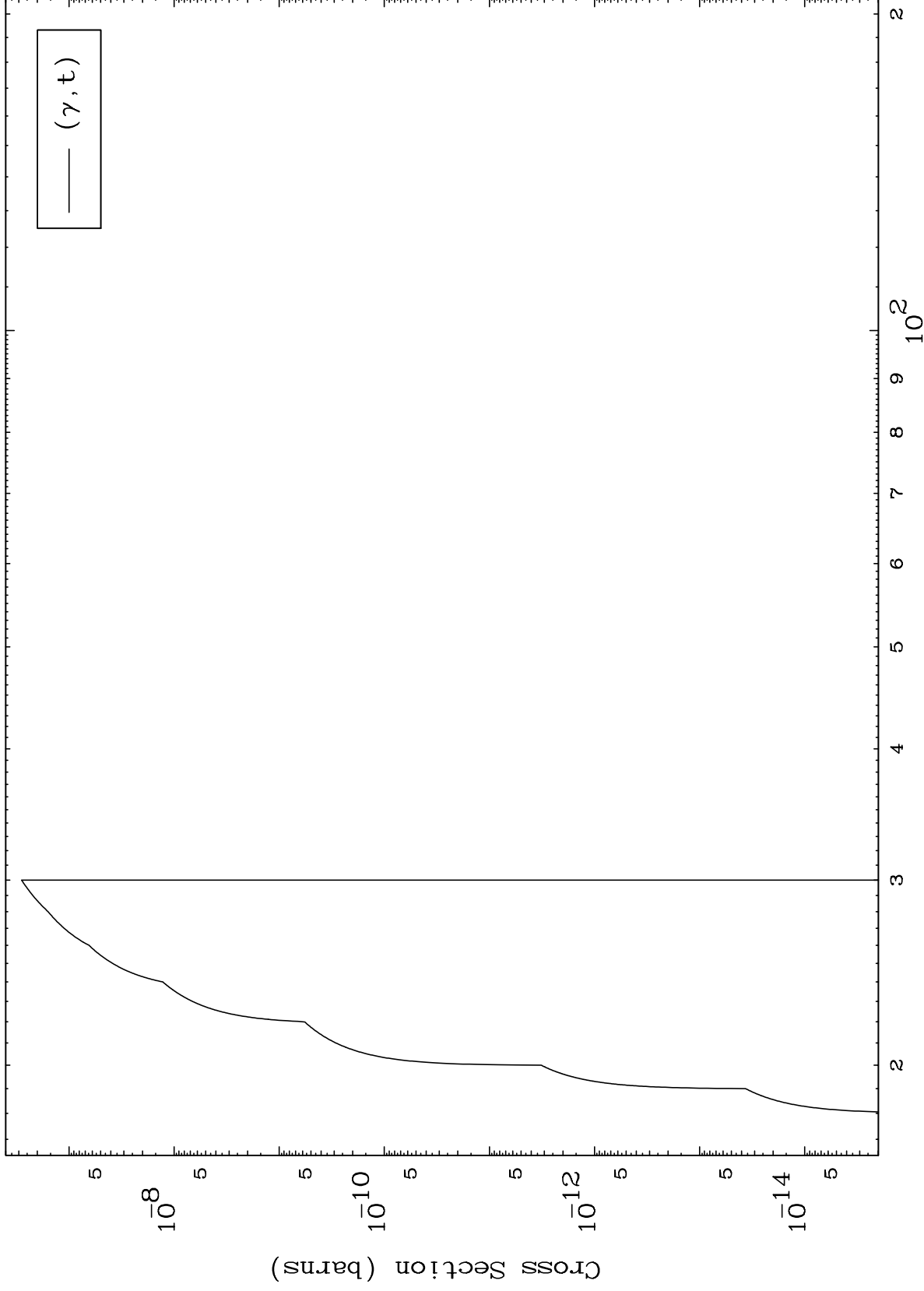
58-Ce-137



MAT 5829

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

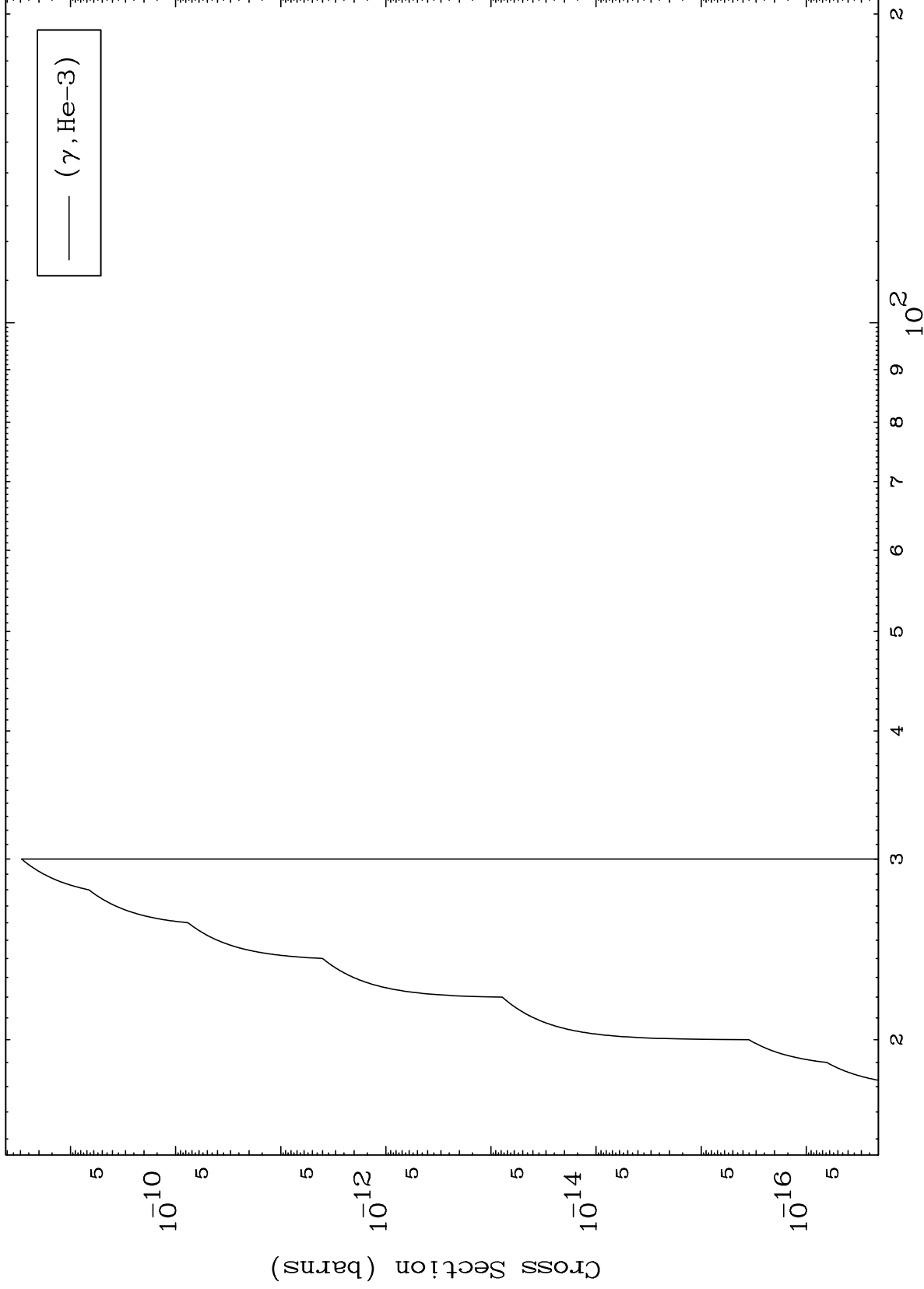
58-Ce-137



8

Incident Energy (MeV)

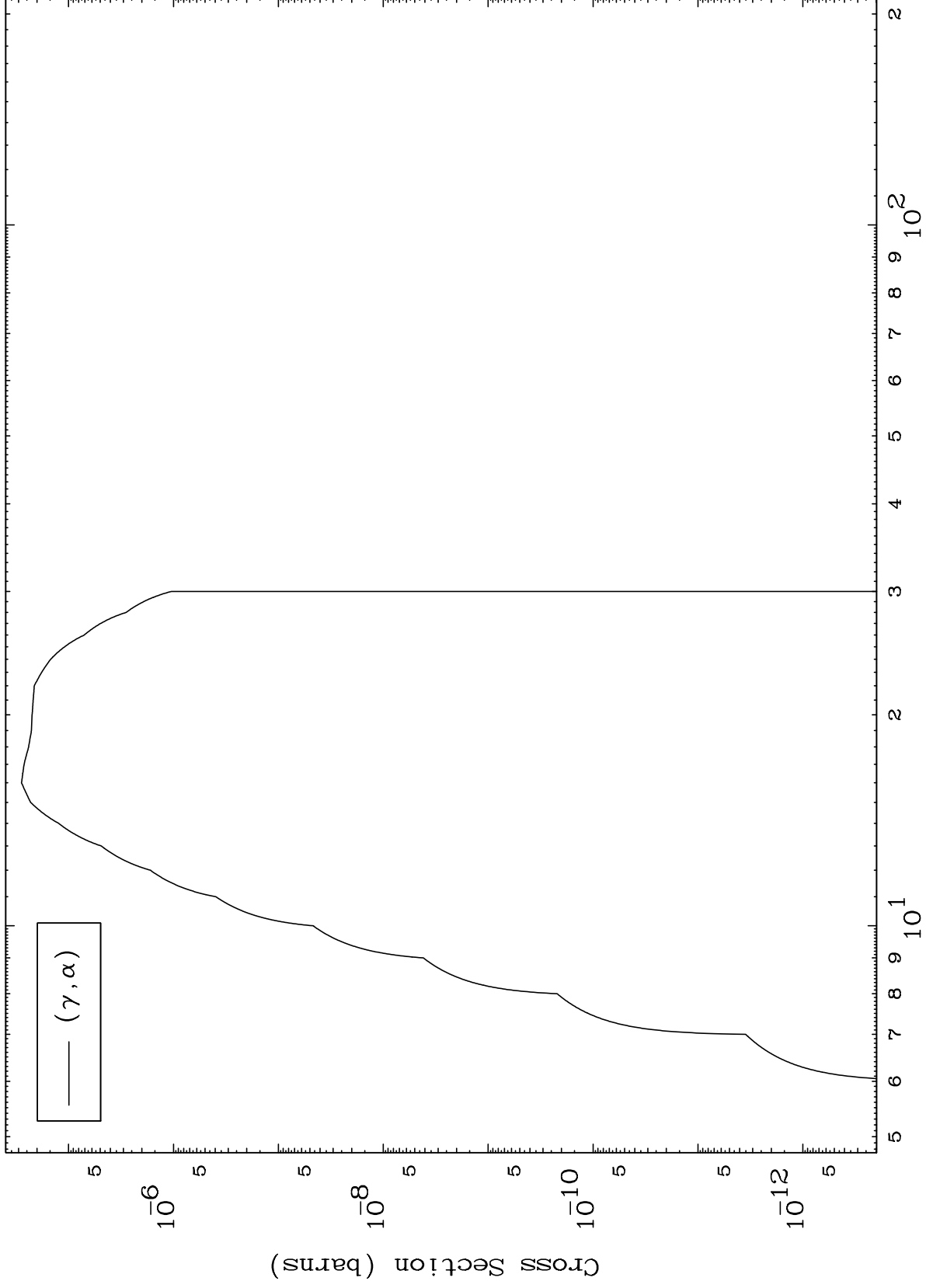
58-Ce-137



MAT 5829

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

58-Ce-137



10

Incident Energy (MeV)

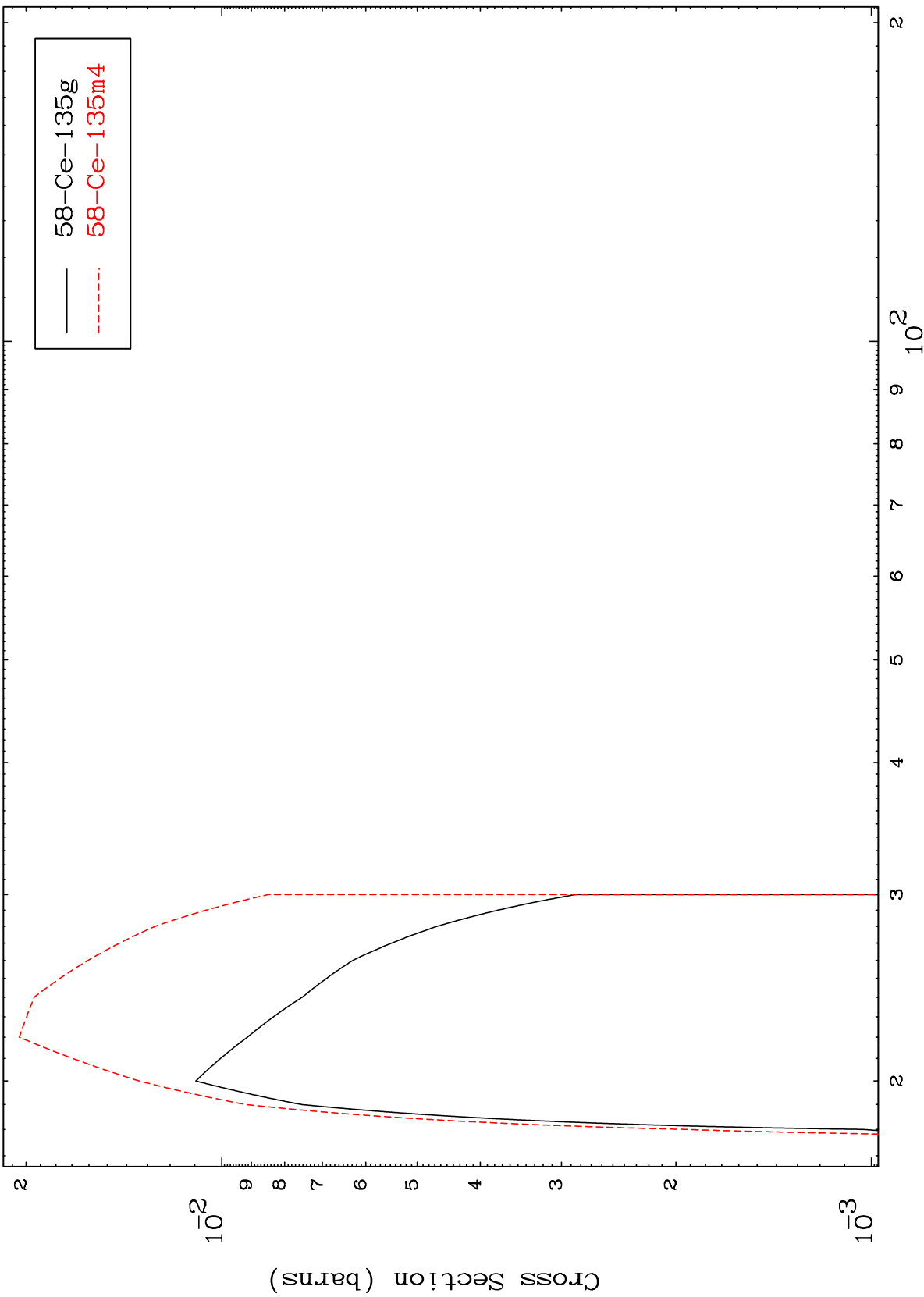
58-Ce-137

MAT 5829

( $\gamma, 2n$ )

58-Ce-137

Radionuclide Production Cross Section



11

Incident Energy (MeV)

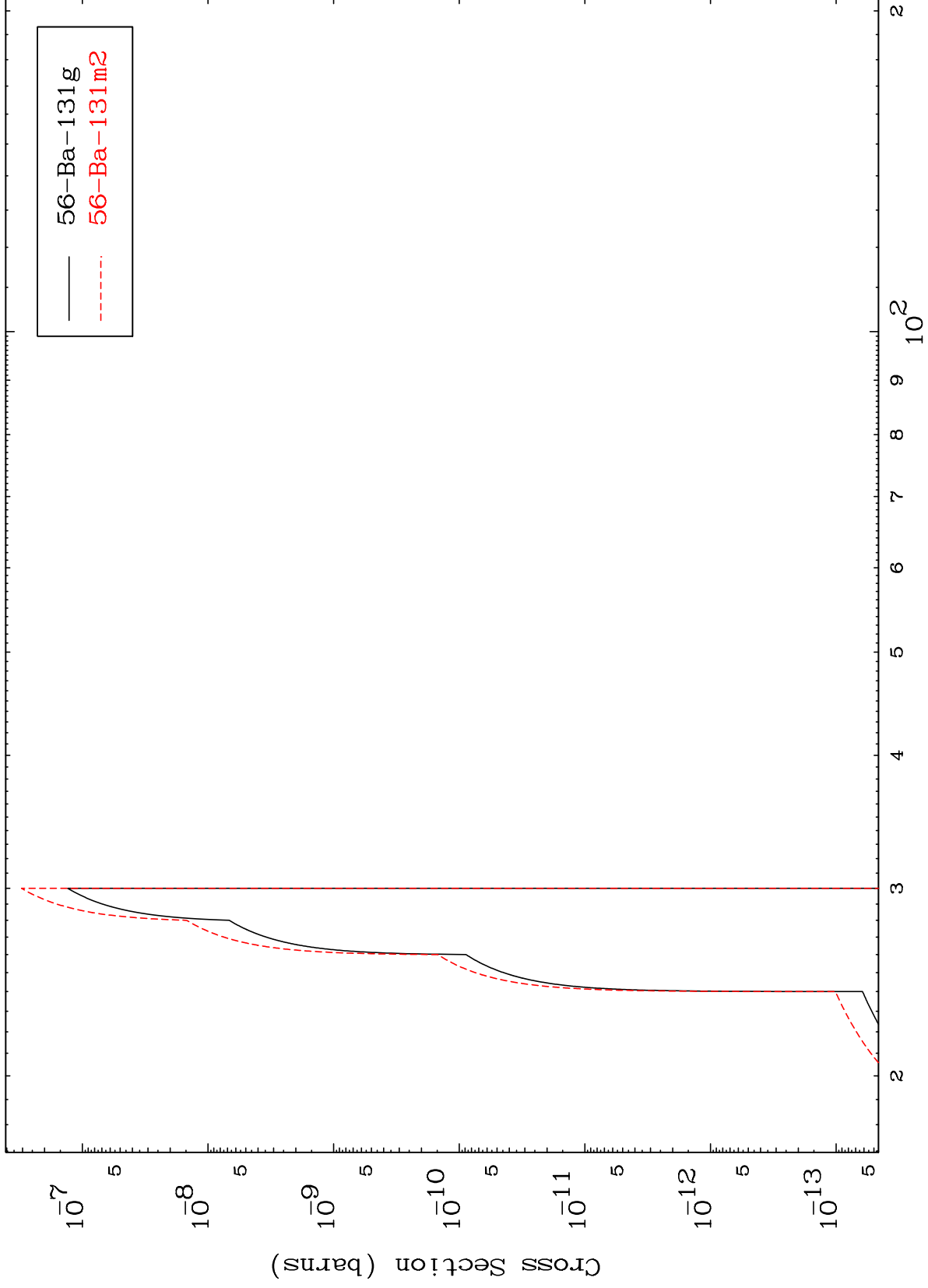
58-Ce-137

MAT 5829

$(\gamma, 2n) \alpha$

58-Ce-137

Radionuclide Production Cross Section



12

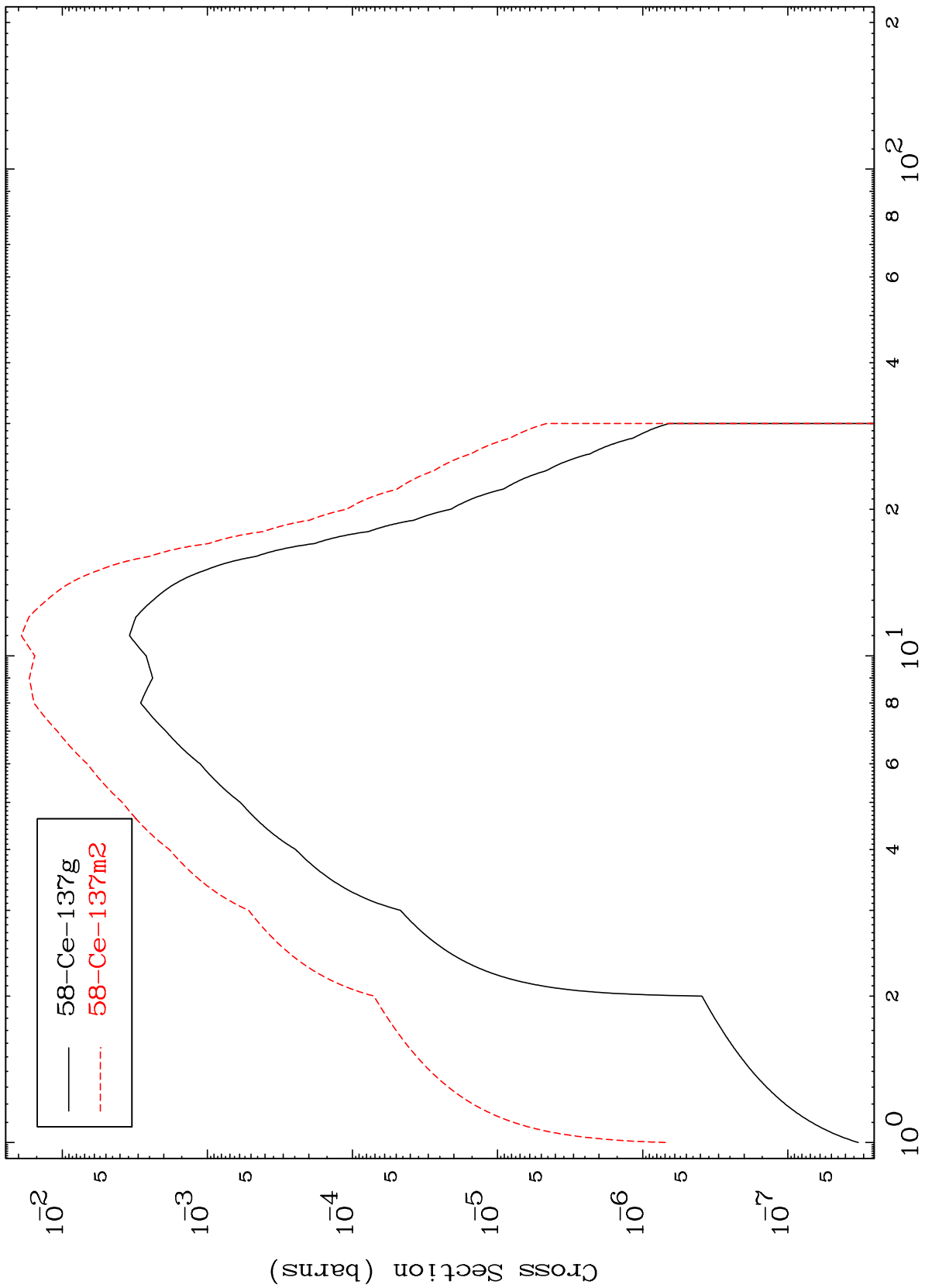
Incident Energy (MeV)

58-Ce-137

MAT 5829

58-Ce-137

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



58-Ce-137g  
58-Ce-137m2

58-Ce-137

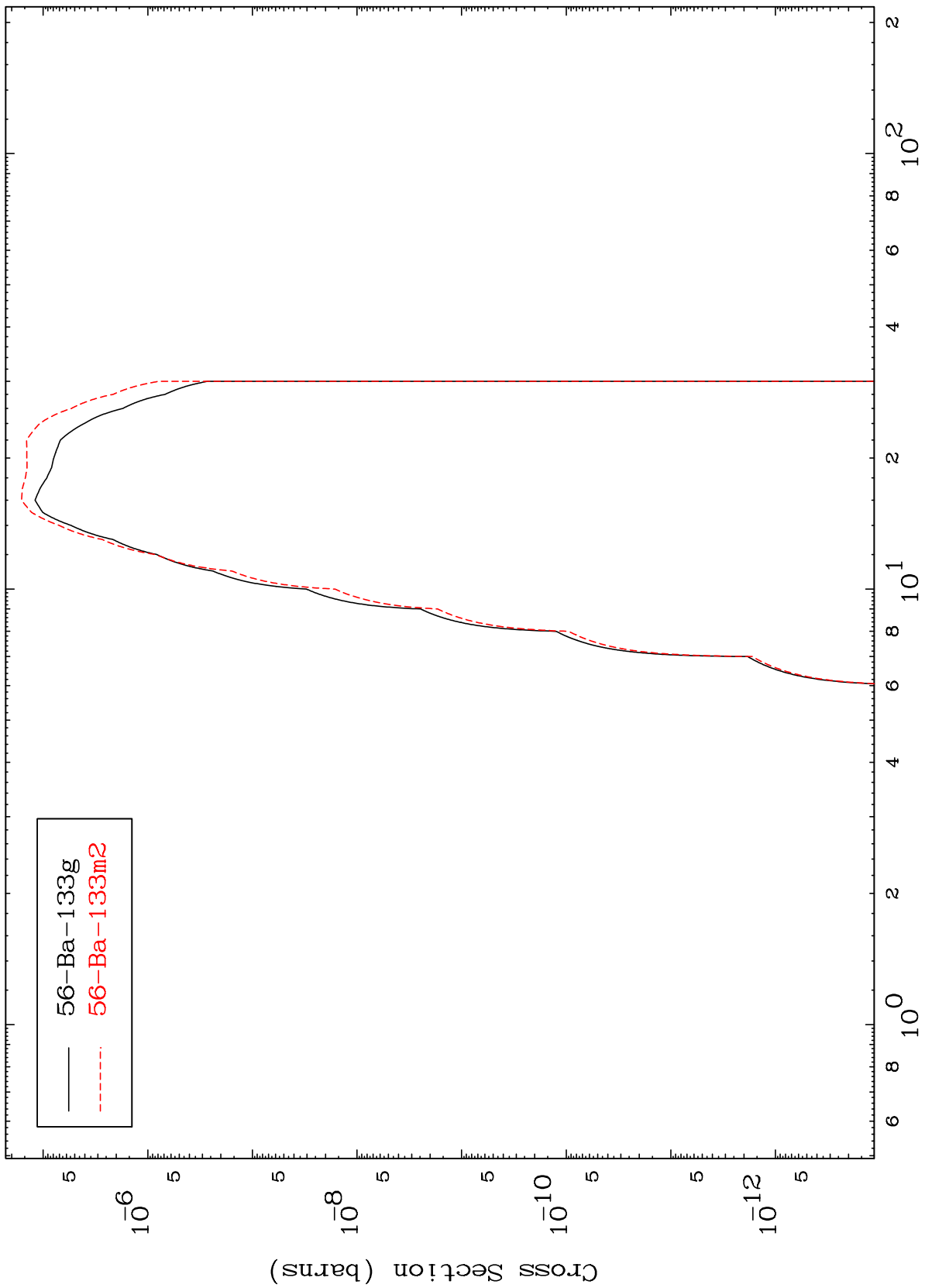
Incident Energy (MeV)

13

MAT 5829

58-Ce-137

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



14

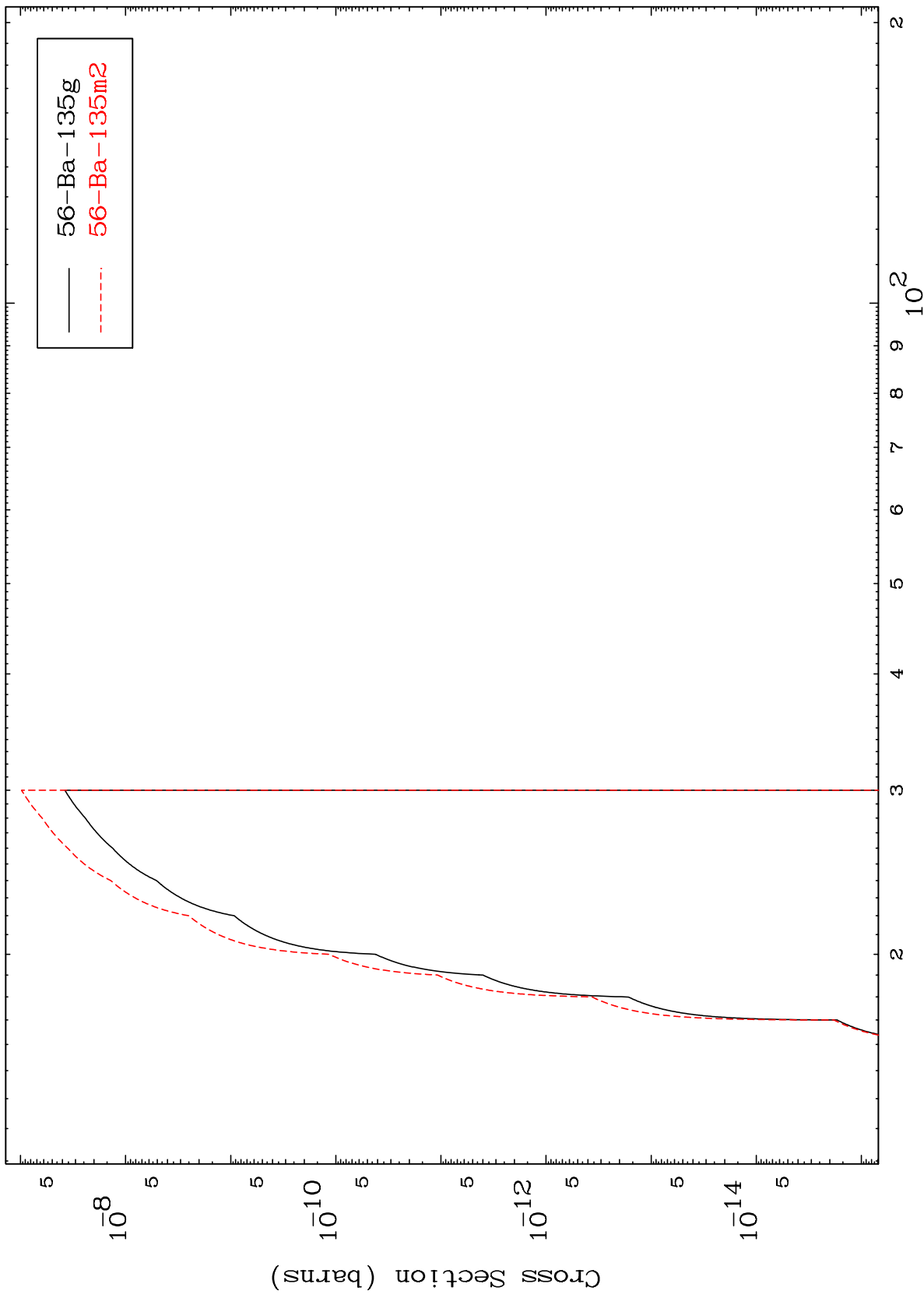
Incident Energy (MeV)

58-Ce-137

MAT 5829

58-Ce-137

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



15

Incident Energy (MeV)

58-Ce-137