

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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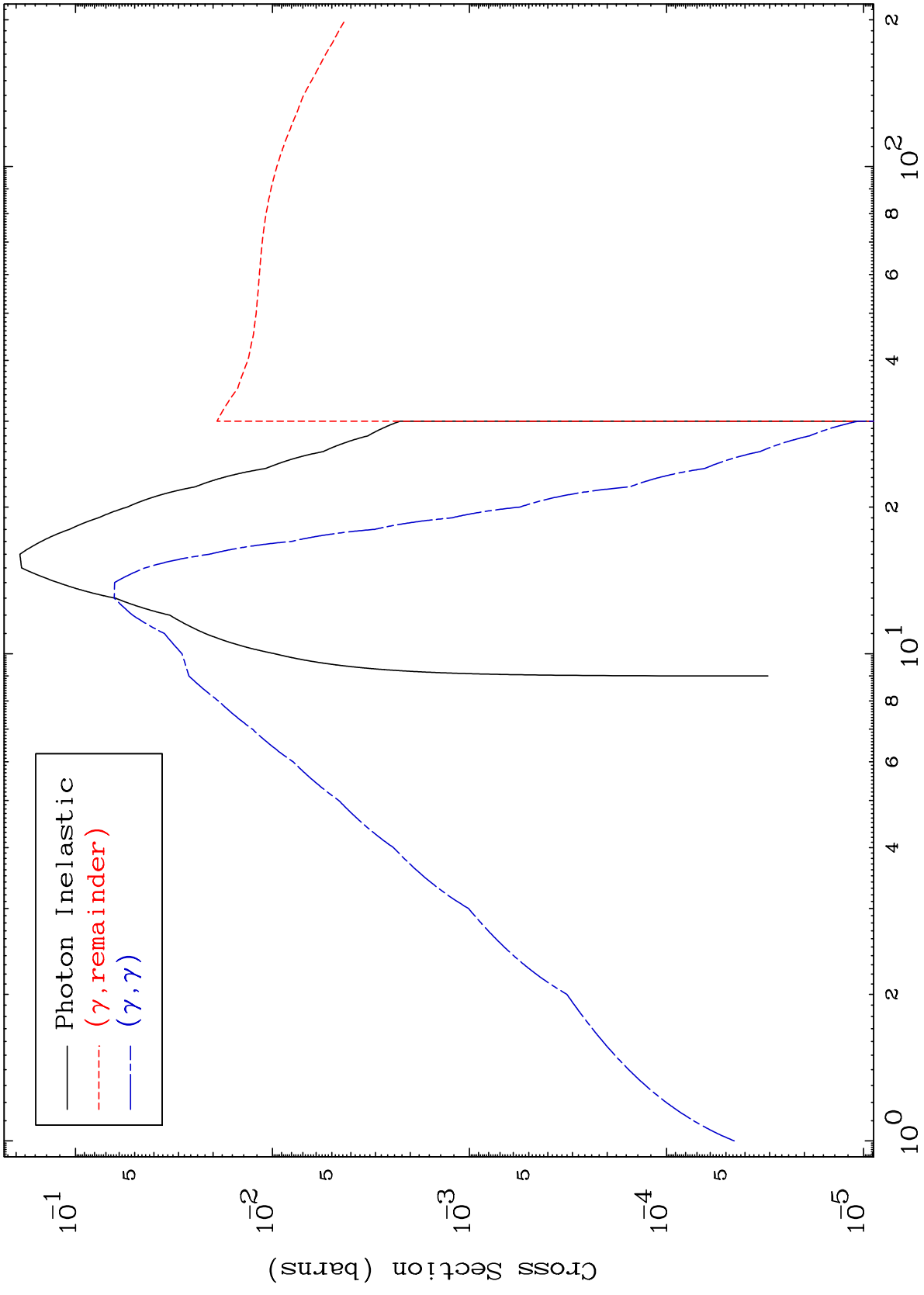
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6004

Photon Major  
0 Kelvin Cross Sections

60-Nd-135



— Photon Inelastic  
- - -  $(\gamma, \text{remainder})$   
- . -  $(\gamma, \gamma)$

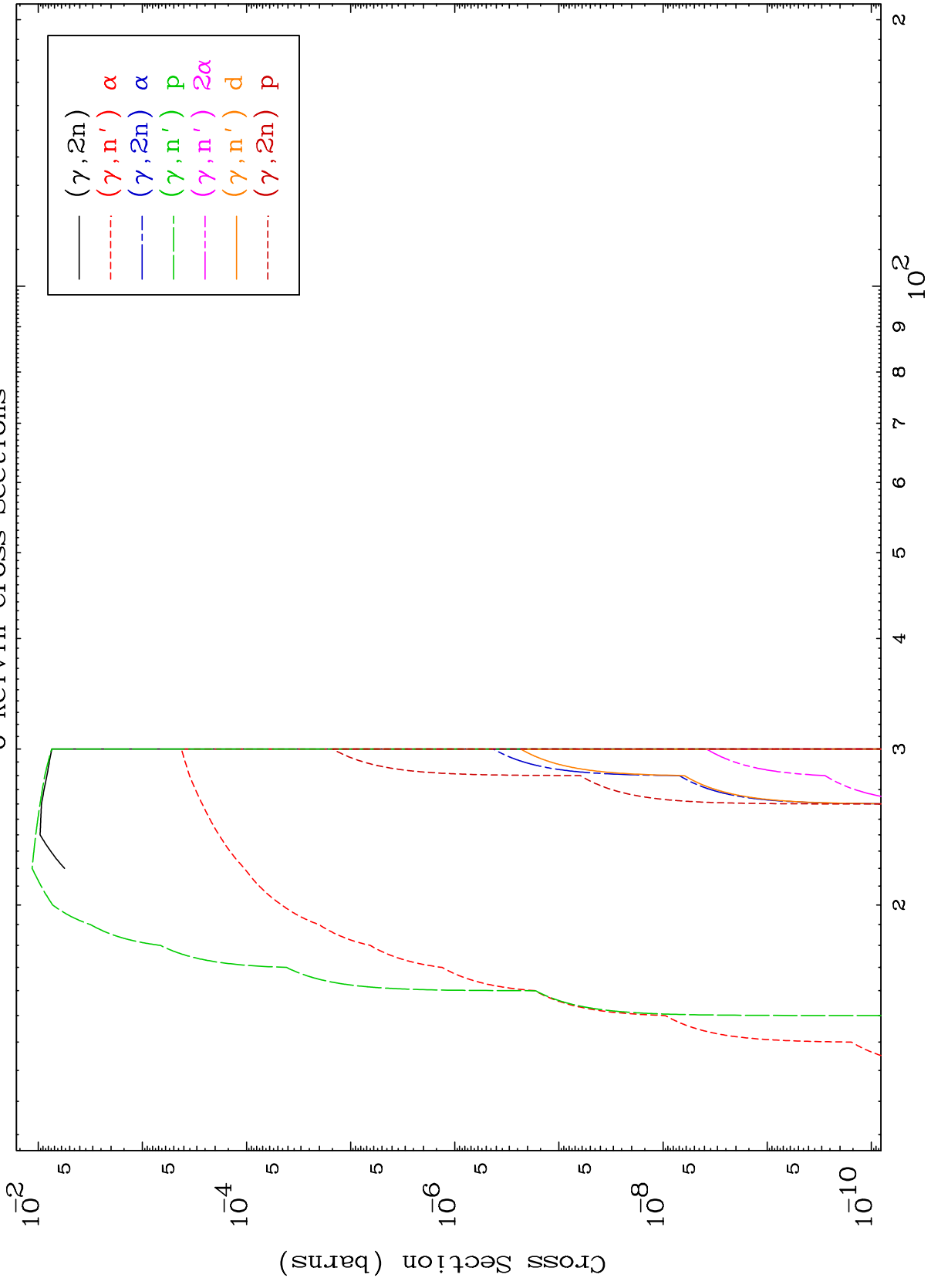
60-Nd-135

Incident Energy (MeV)

MAT 6004

Photon Neutron Production  
0 Kelvin Cross Sections

60-Nd-135



2

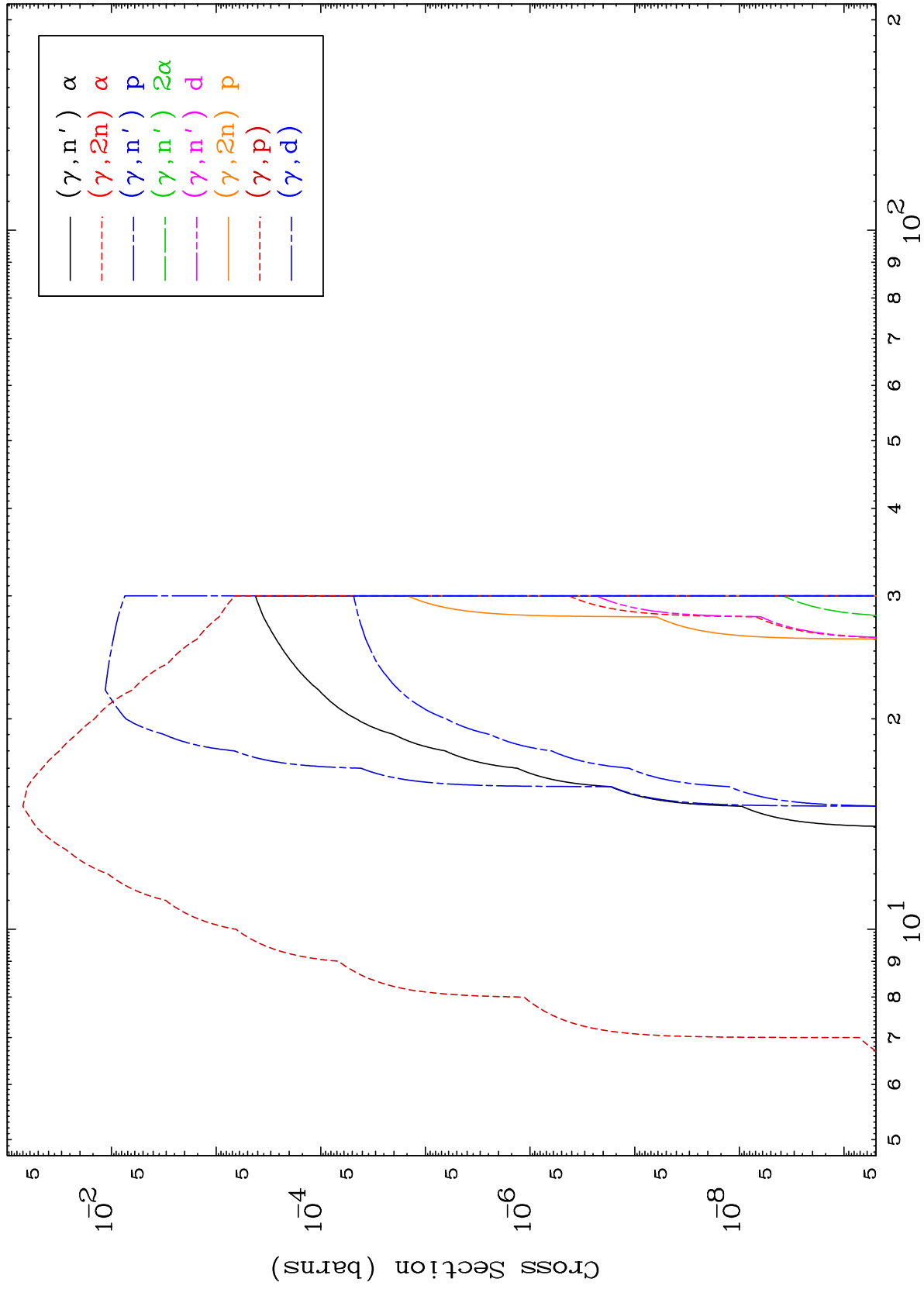
Incident Energy (MeV)

60-Nd-135

MAT 6004

Photon Charged Particle  
0 Kelvin Cross Sections

60-Nd-135



3

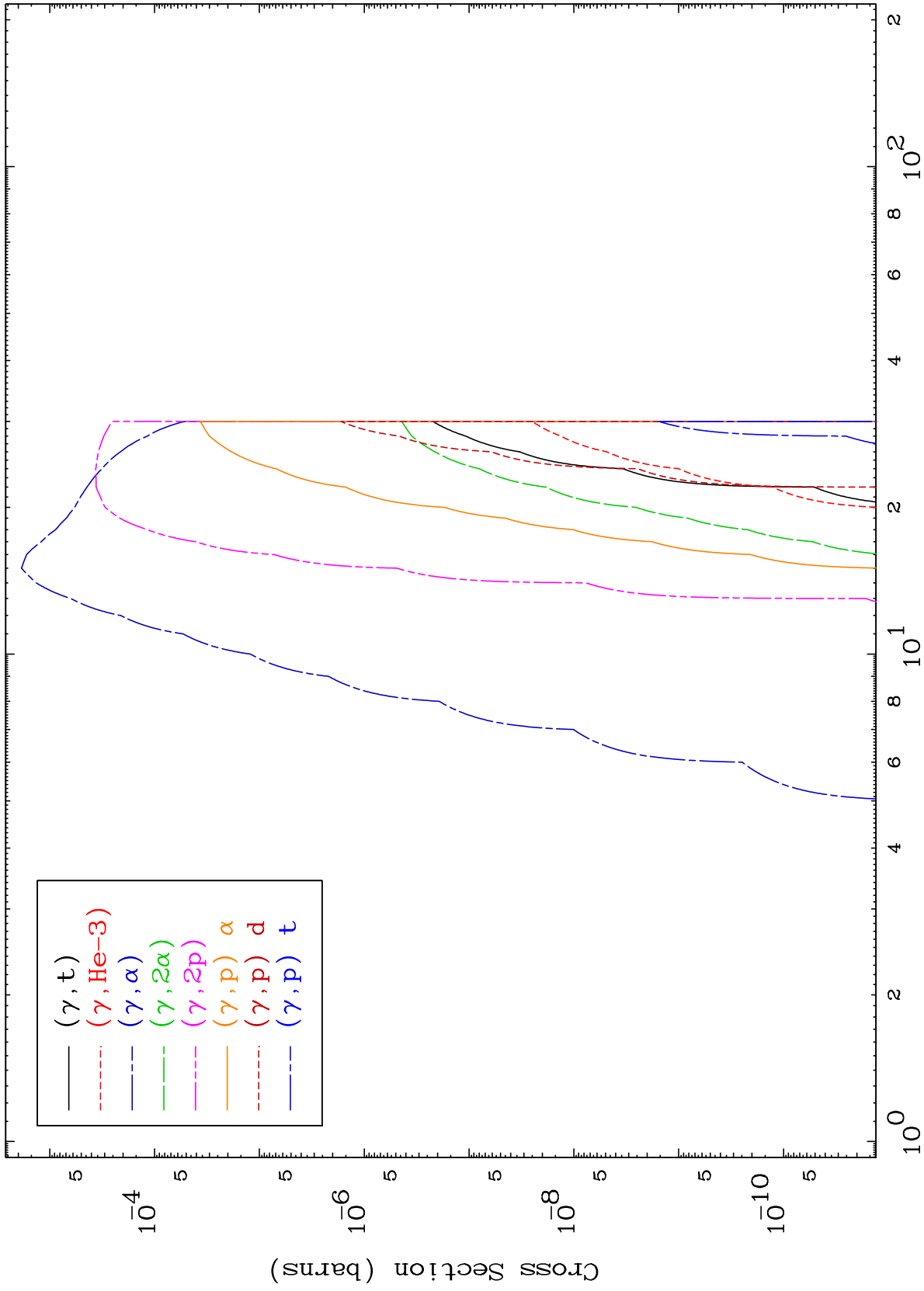
Incident Energy (MeV)

60-Nd-135

MAT 6004

Photon Charged Particle  
0 Kelvin Cross Sections

60-Nd-135



4

Incident Energy (MeV)

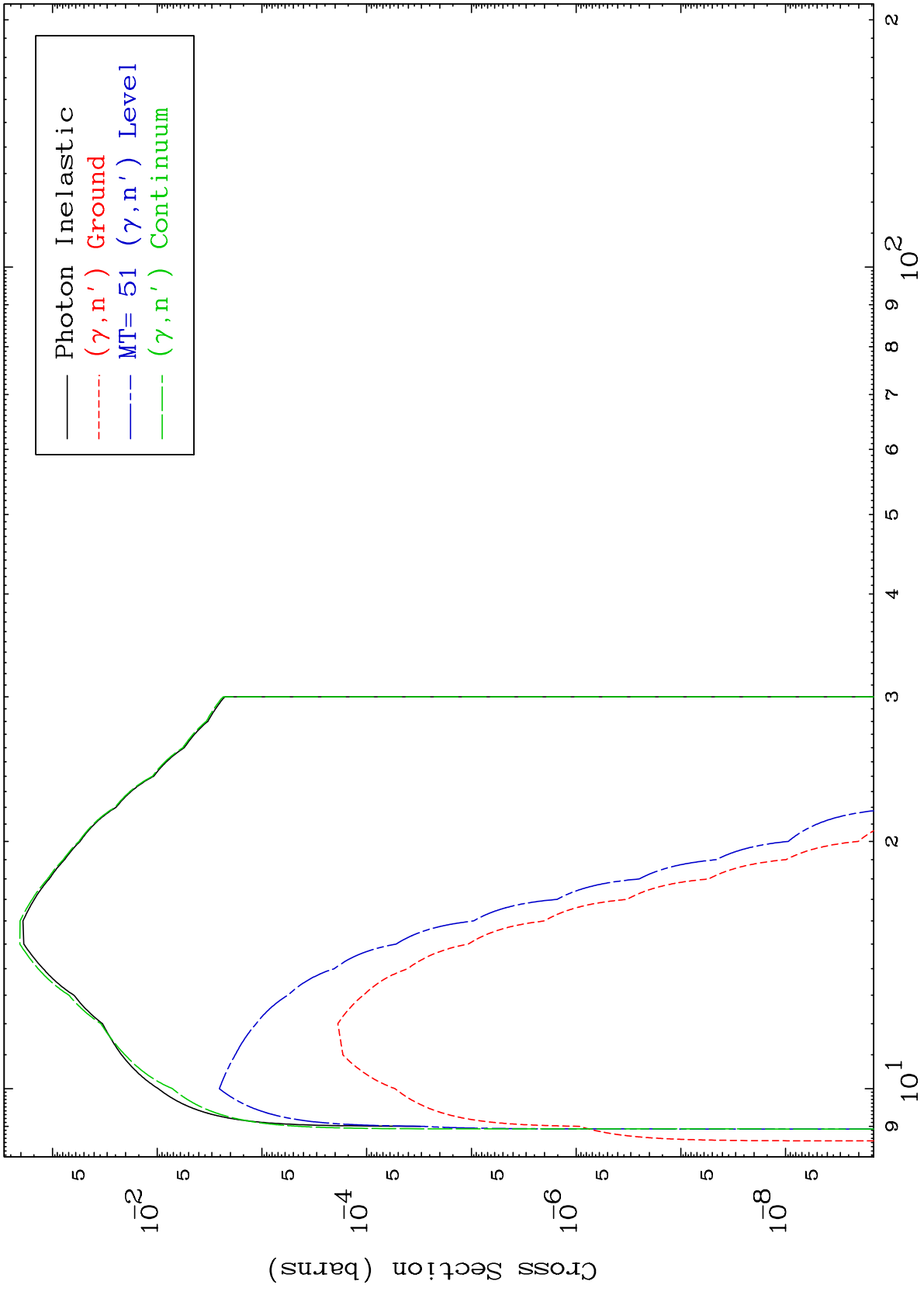
60-Nd-135

MAT 6004

$(\gamma, n')$  Level

60-Nd-135

0 Kelvin Cross Sections



5

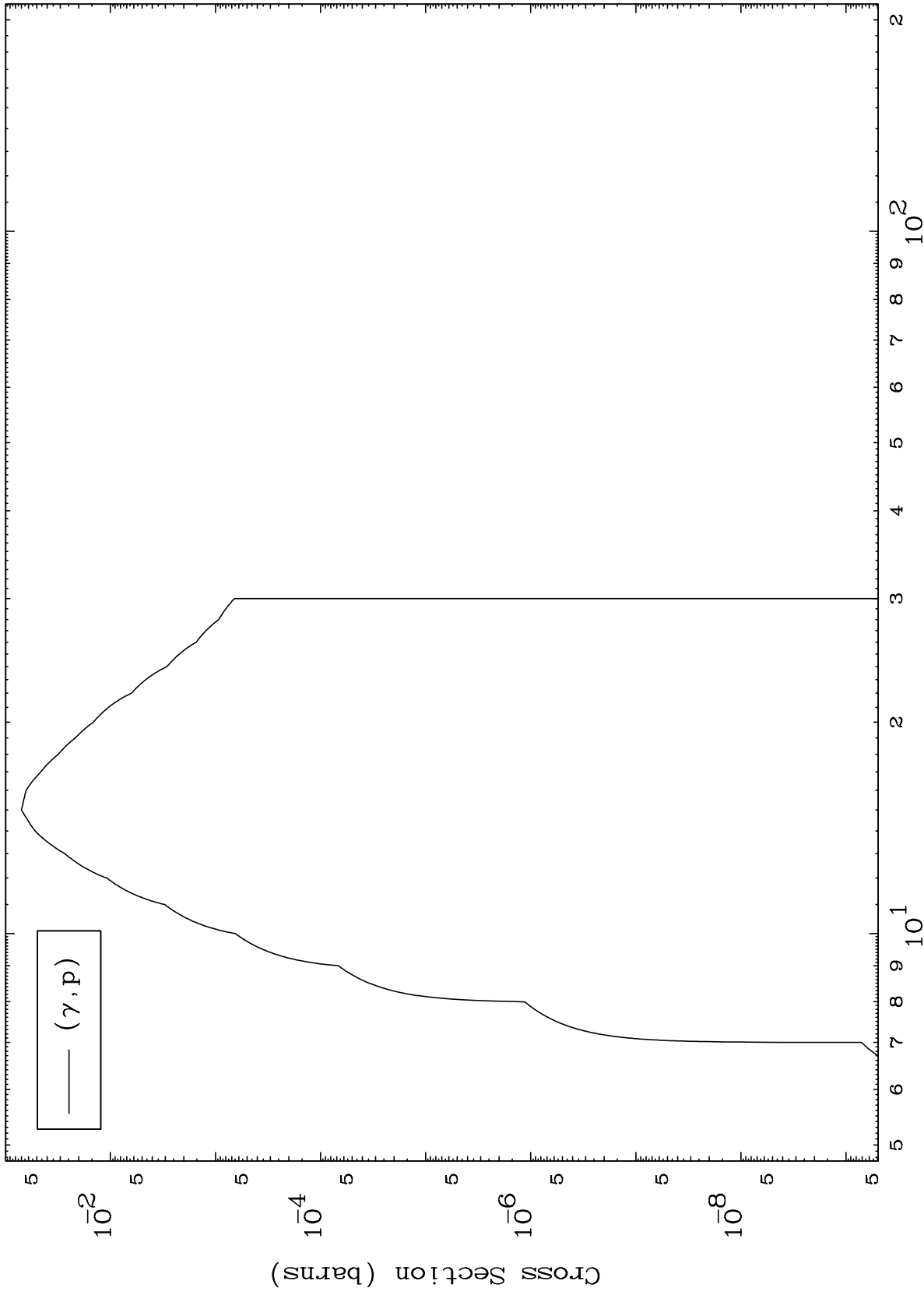
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



6

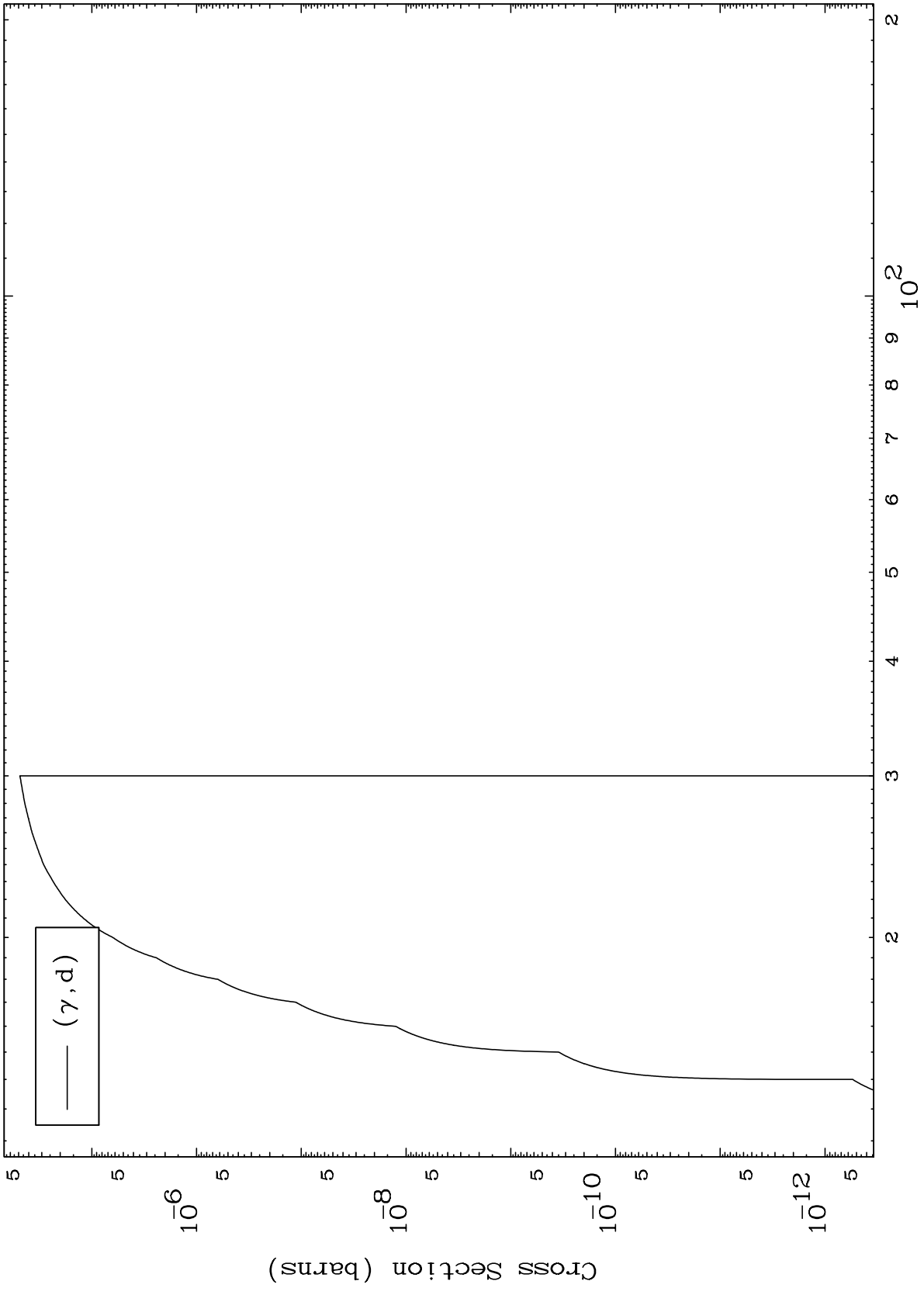
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



7

Incident Energy (MeV)

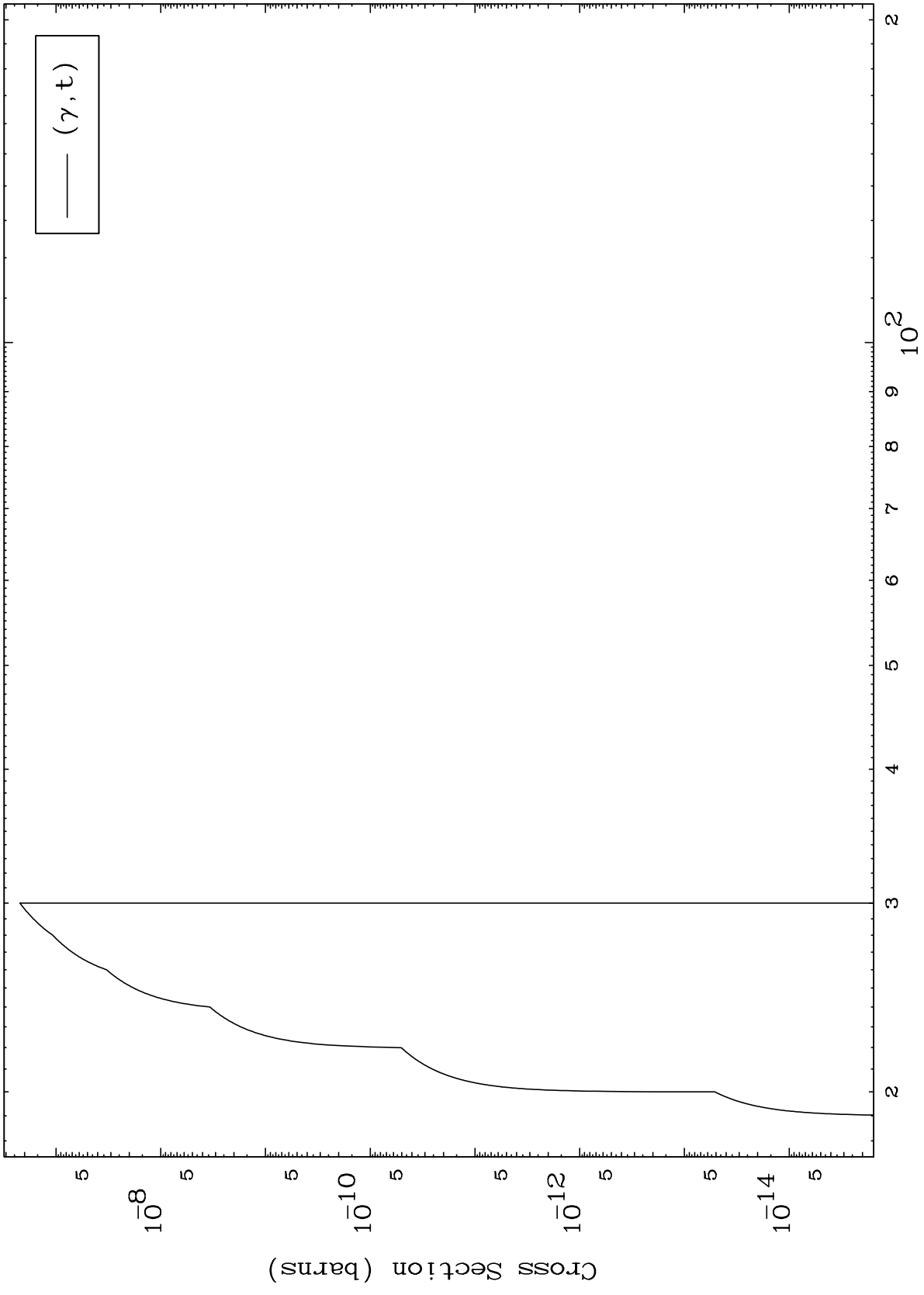
60-Nd-135



MAT 6004

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

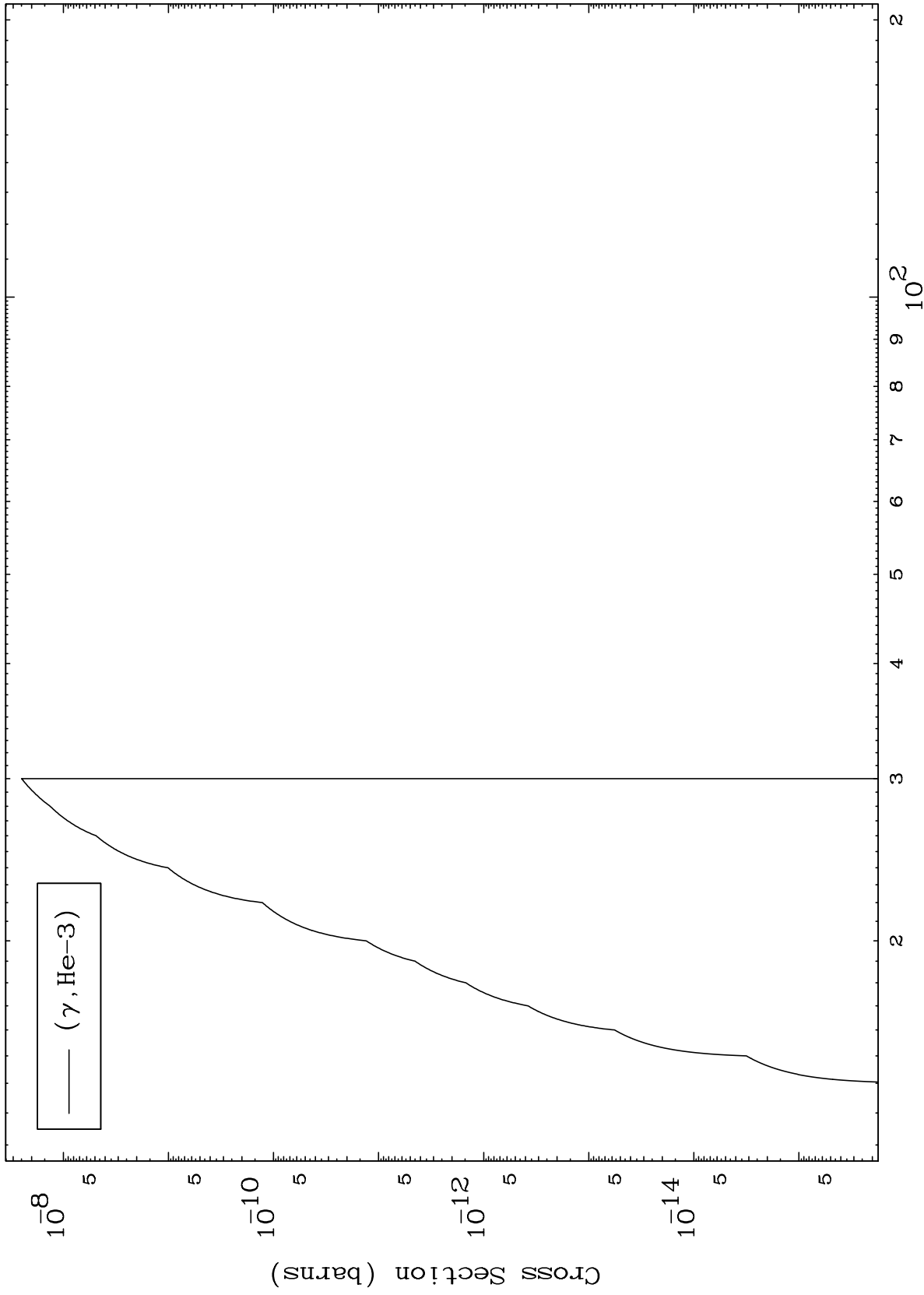
60-Nd-135



8

Incident Energy (MeV)

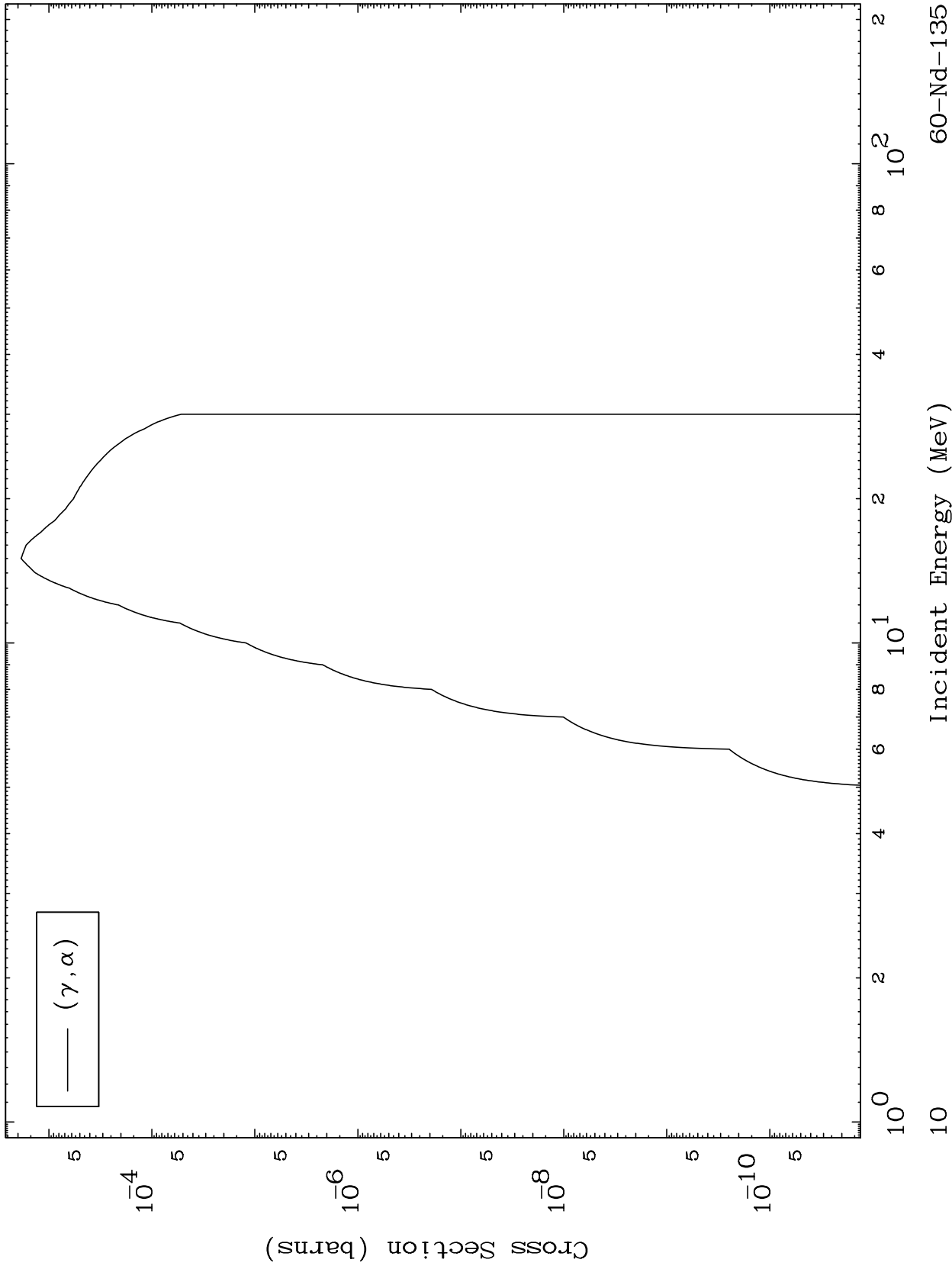
60-Nd-135



MAT 6004

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

60-Nd-135



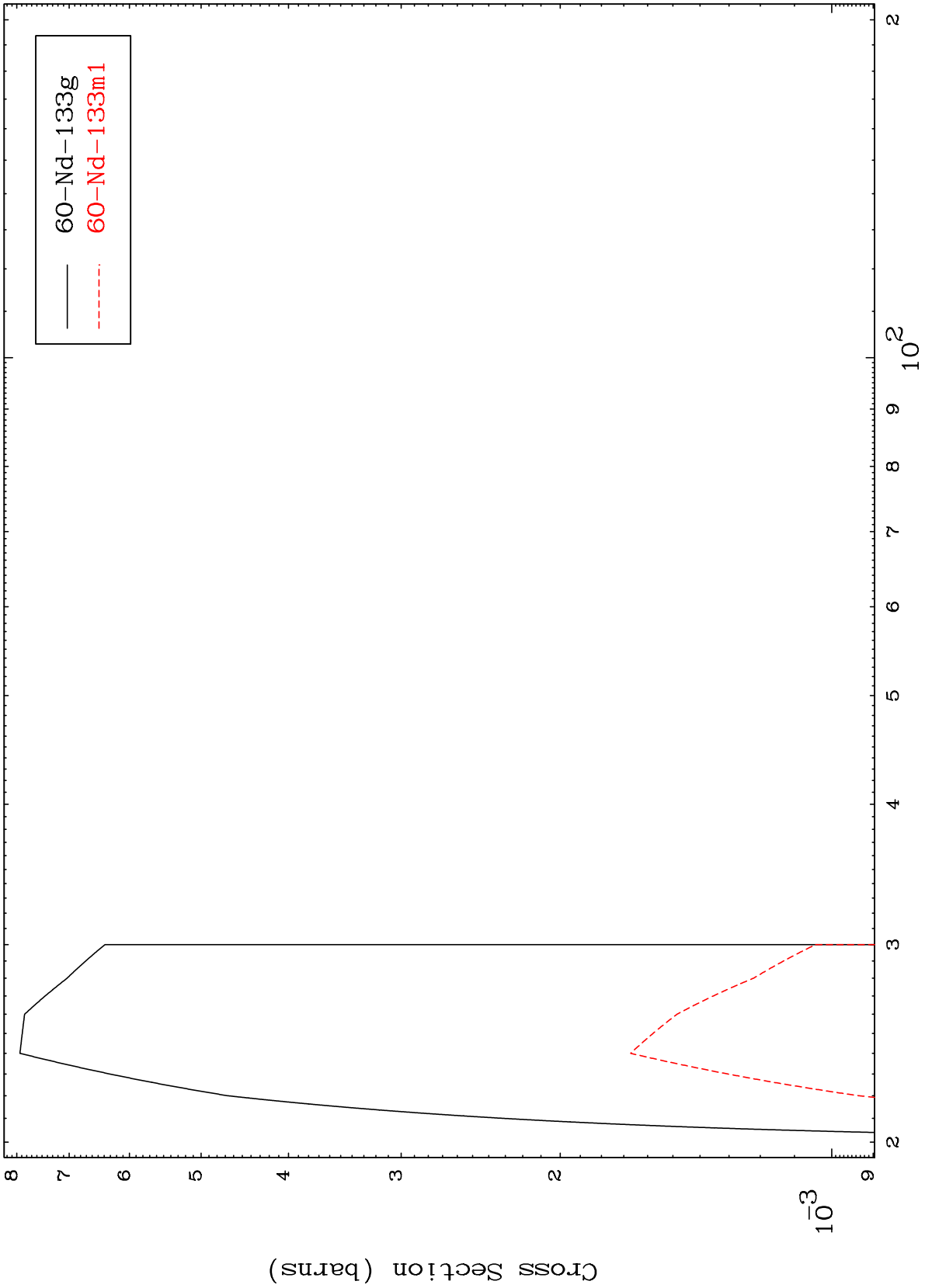
60-Nd-135

MAT 6004

( $\gamma, 2n$ )

$^{60}\text{Nd}-^{135}$

Radionuclide Production Cross Section



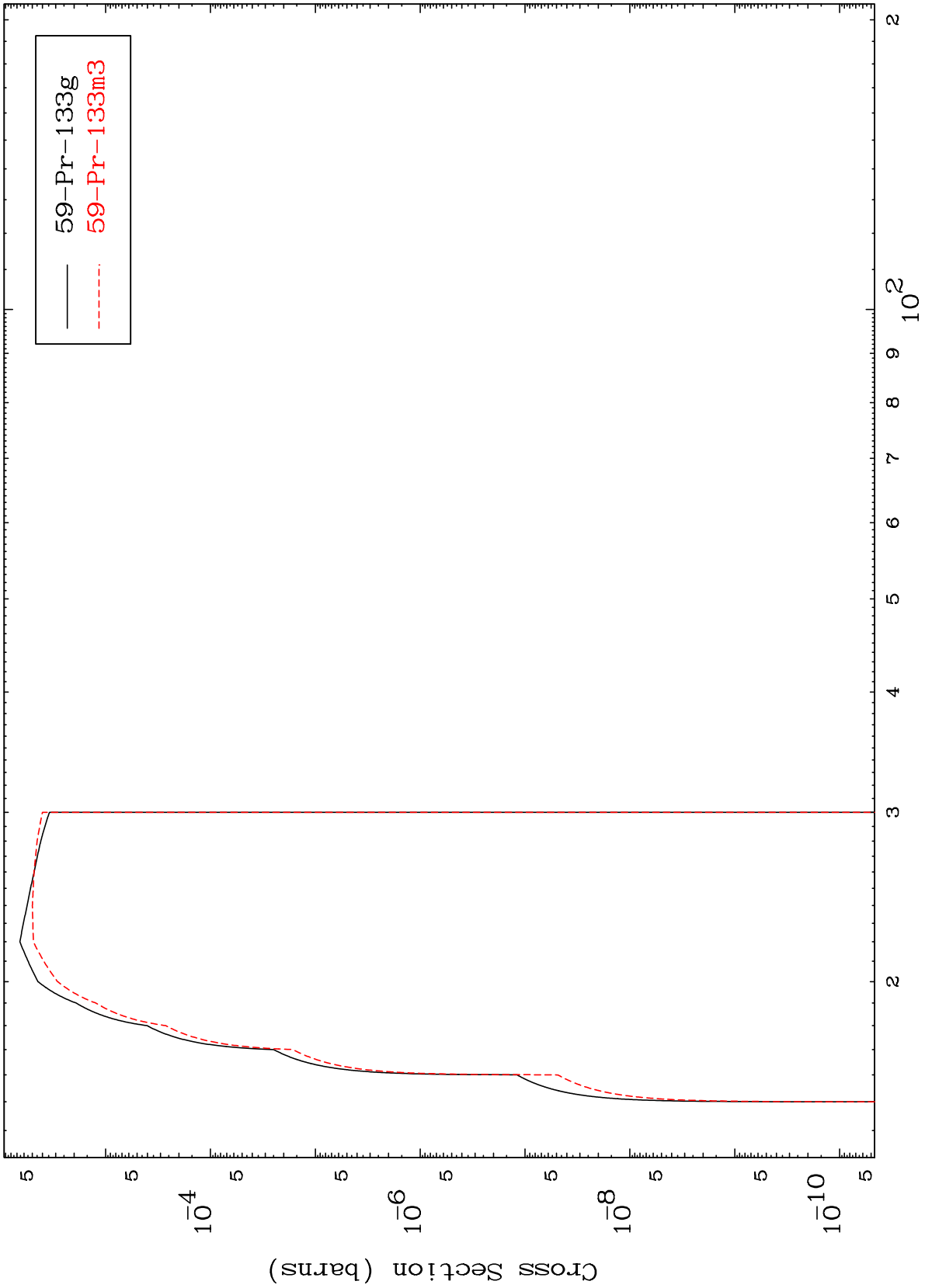
—  $^{60}\text{Nd}-^{133}\text{g}$   
- - -  $^{60}\text{Nd}-^{133}\text{m1}$

MAT 6004

$(\gamma, n')$  p

$^{60}\text{Nd}-^{135}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

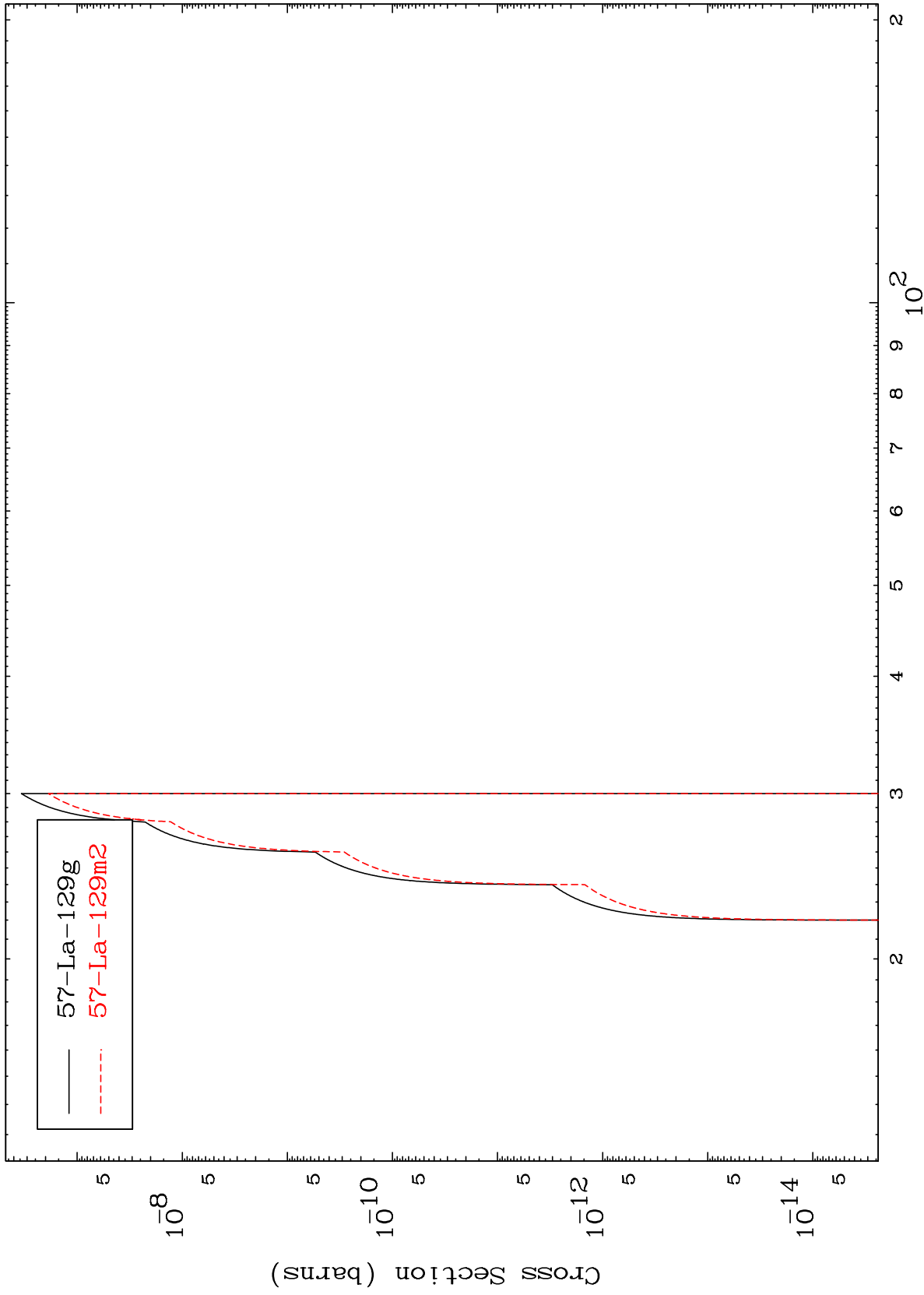
$^{60}\text{Nd}-^{135}$

MAT 6004

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

60-Nd-135

Radionuclide Production Cross Section



13

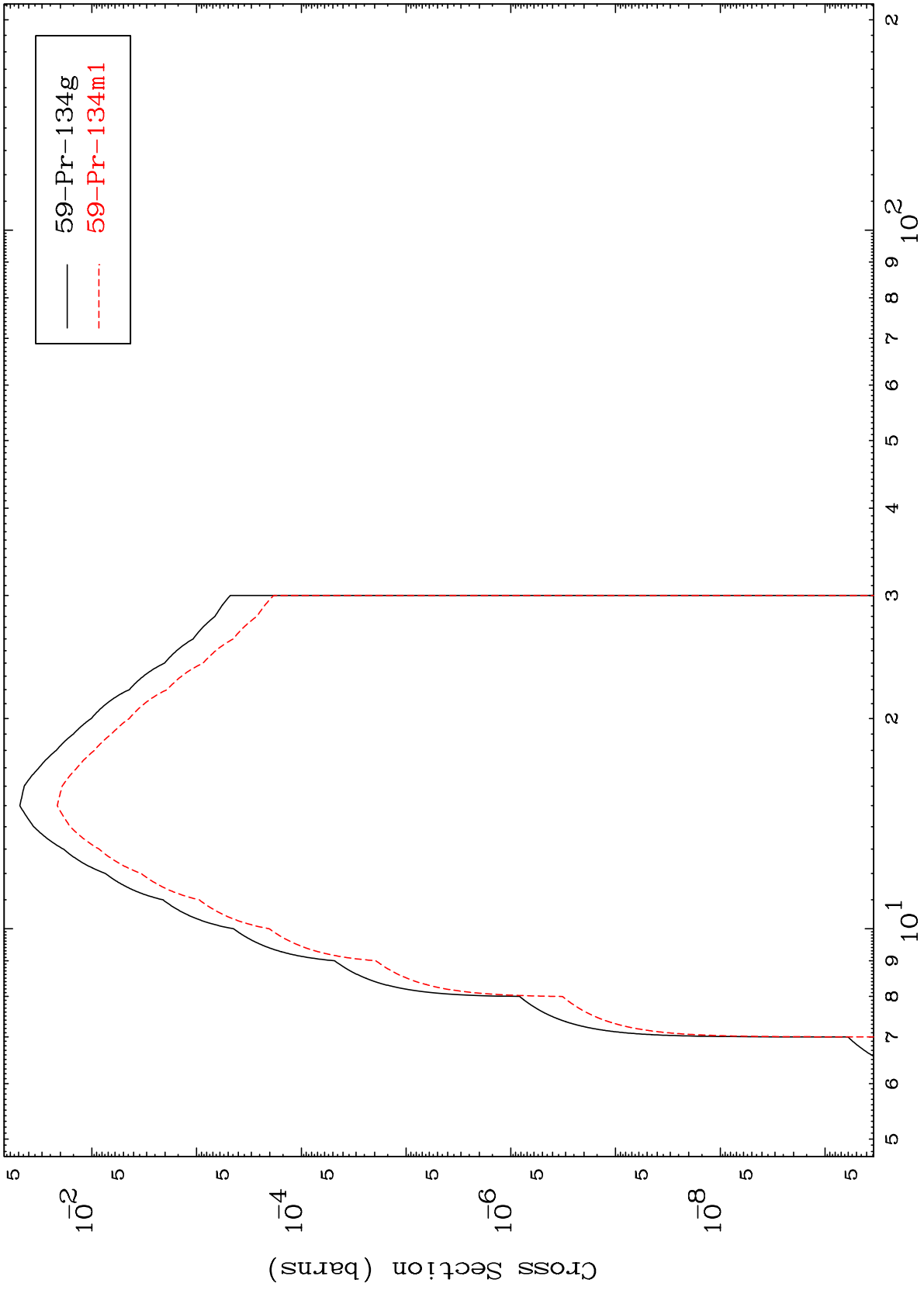
Incident Energy (MeV)

60-Nd-135

MAT 6004

60-Nd-135

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



14

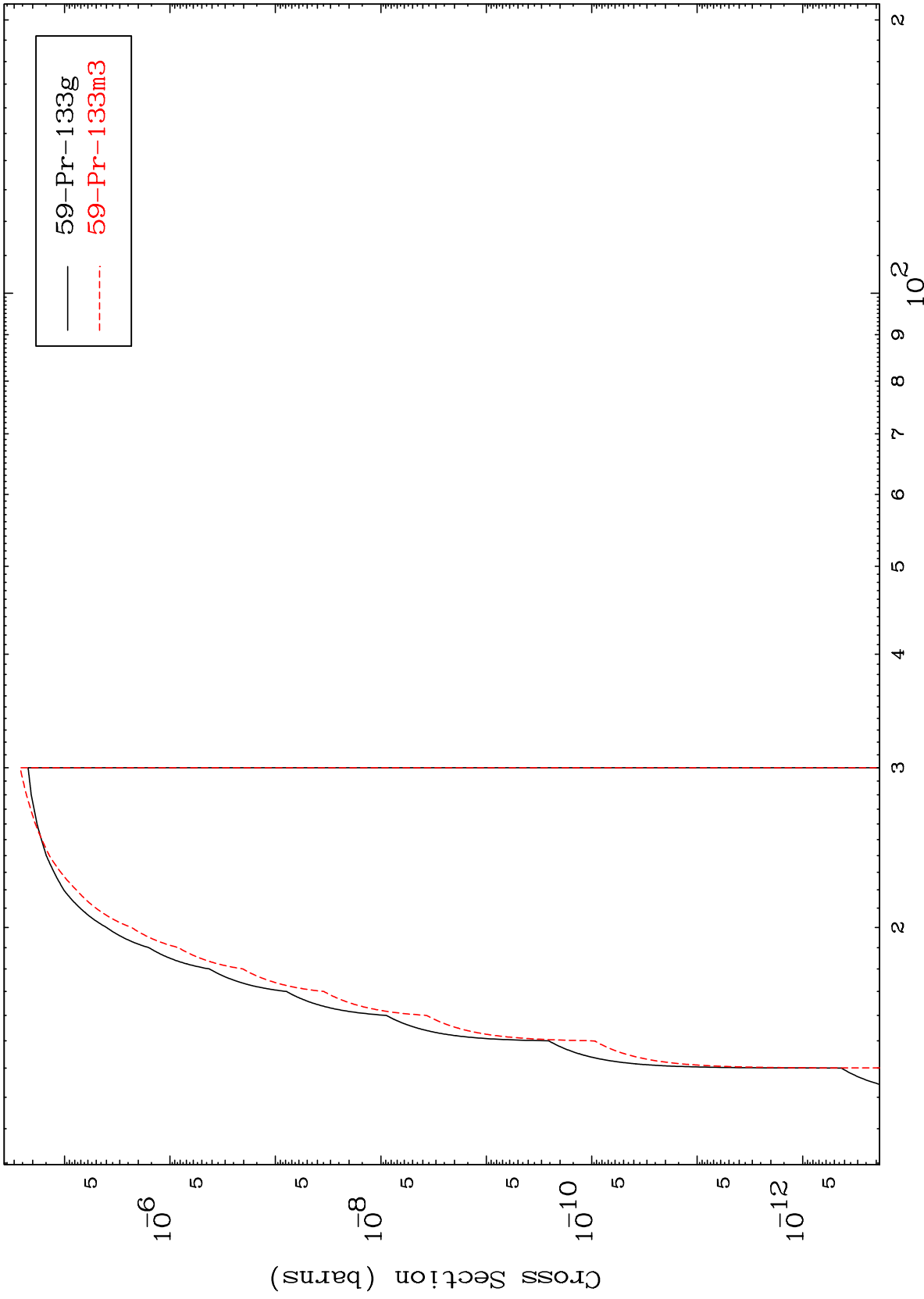
Incident Energy (MeV)

60-Nd-135

MAT 6004

60-Nd-135

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



15

Incident Energy (MeV)

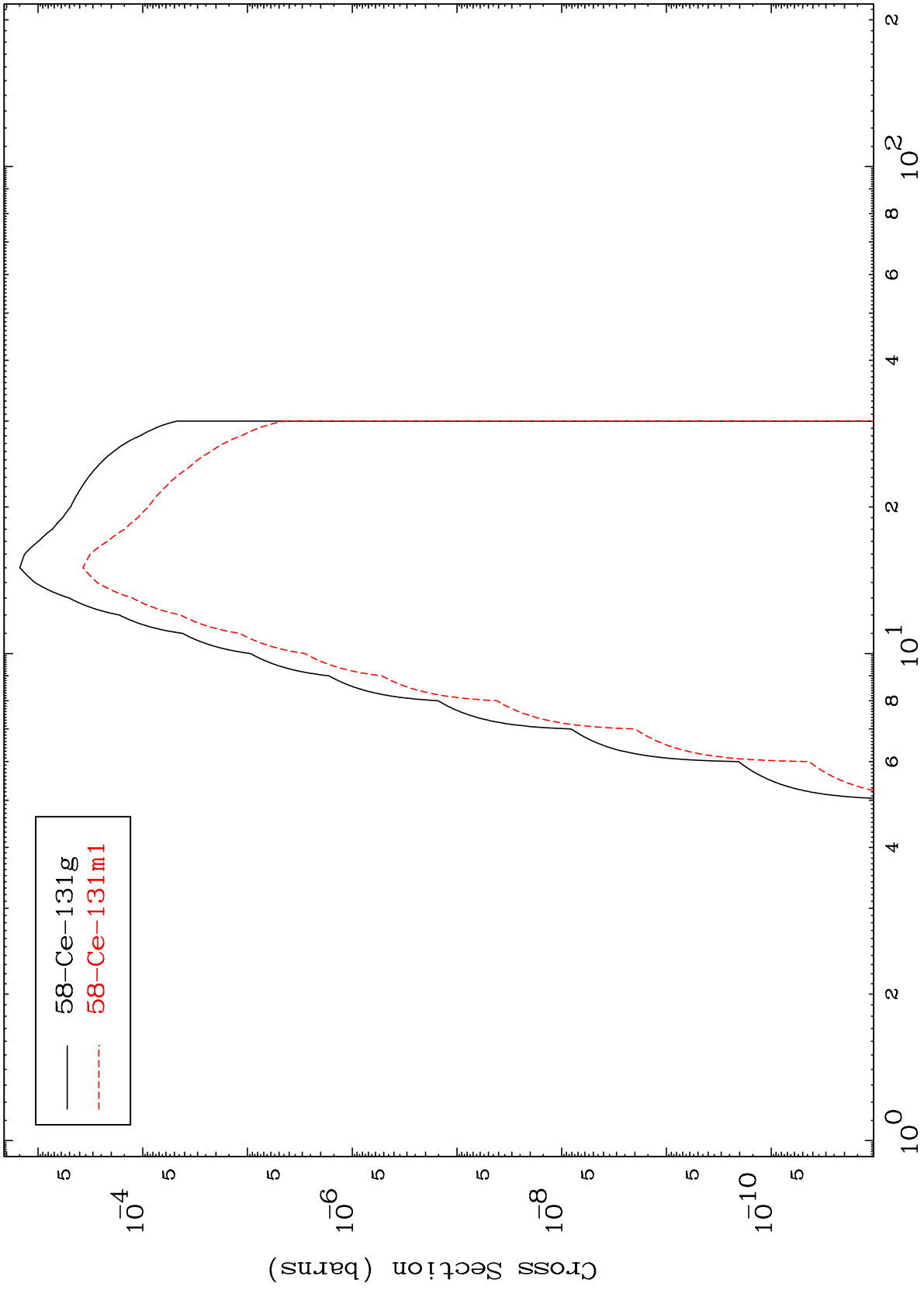
60-Nd-135



MAT 6004

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

60-Nd-135



58-Ce-131g  
58-Ce-131m1

16

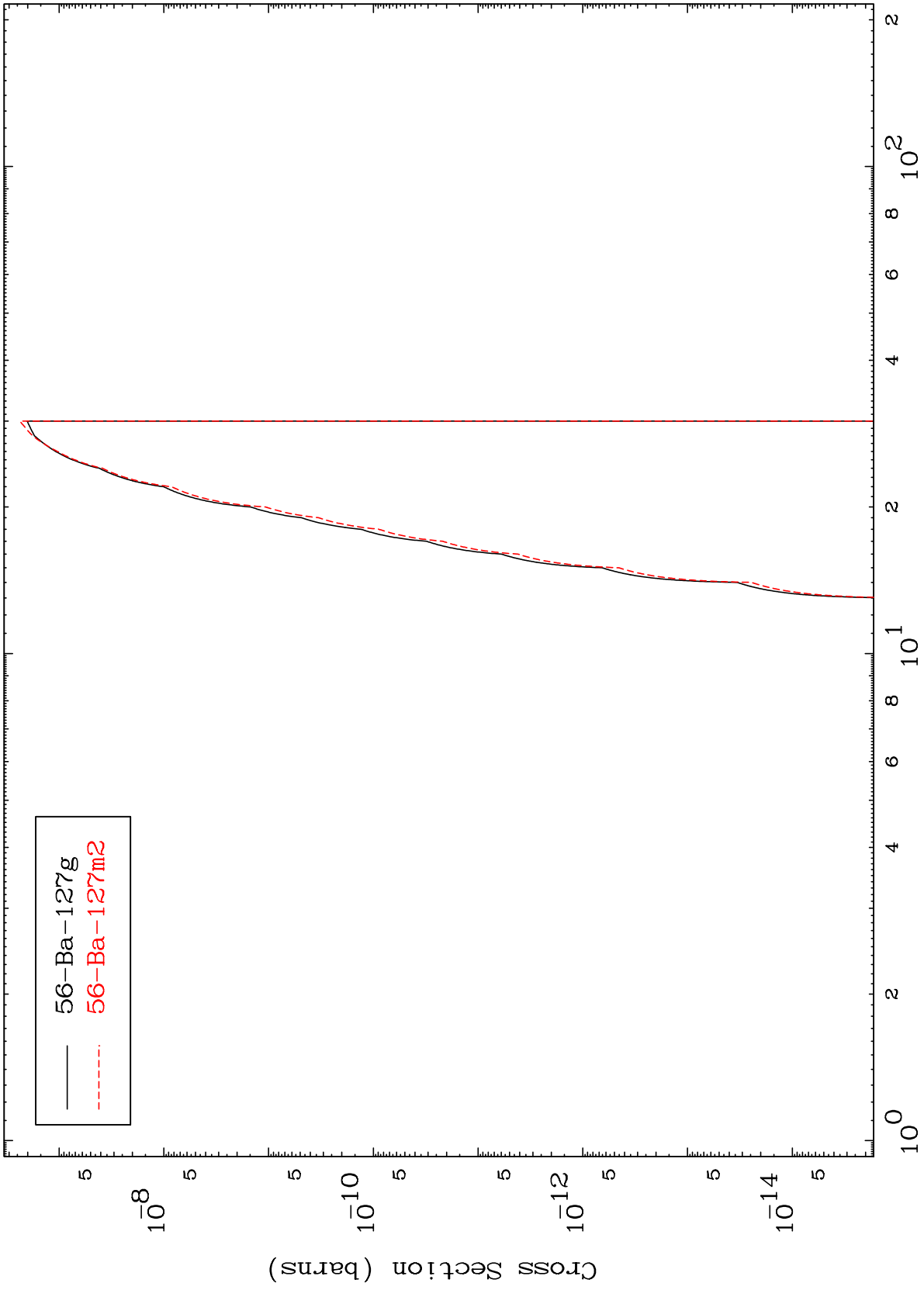
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



17

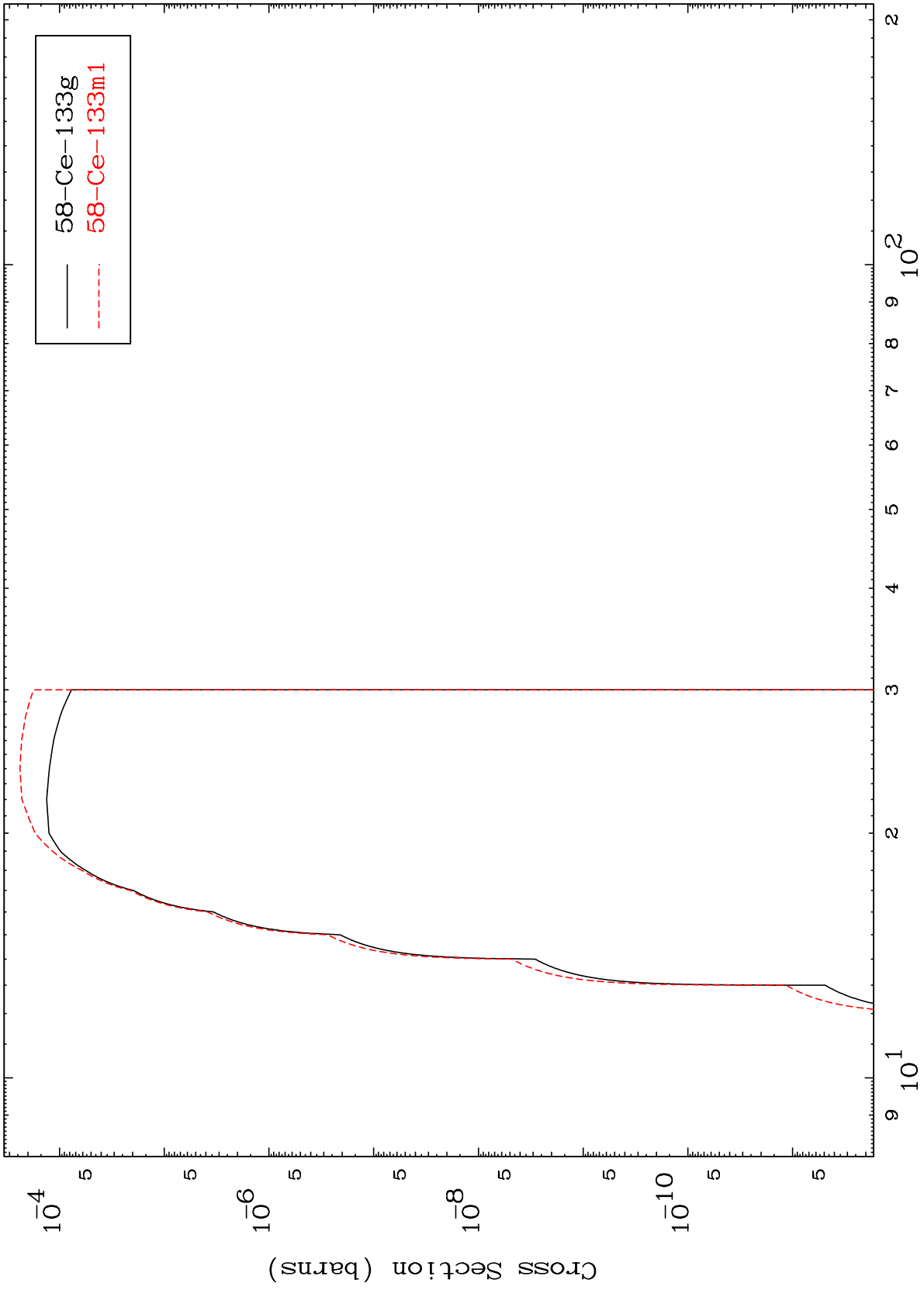
Incident Energy (MeV)

60-Nd-135

MAT 6004

60-Nd-135

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



18

Incident Energy (MeV)

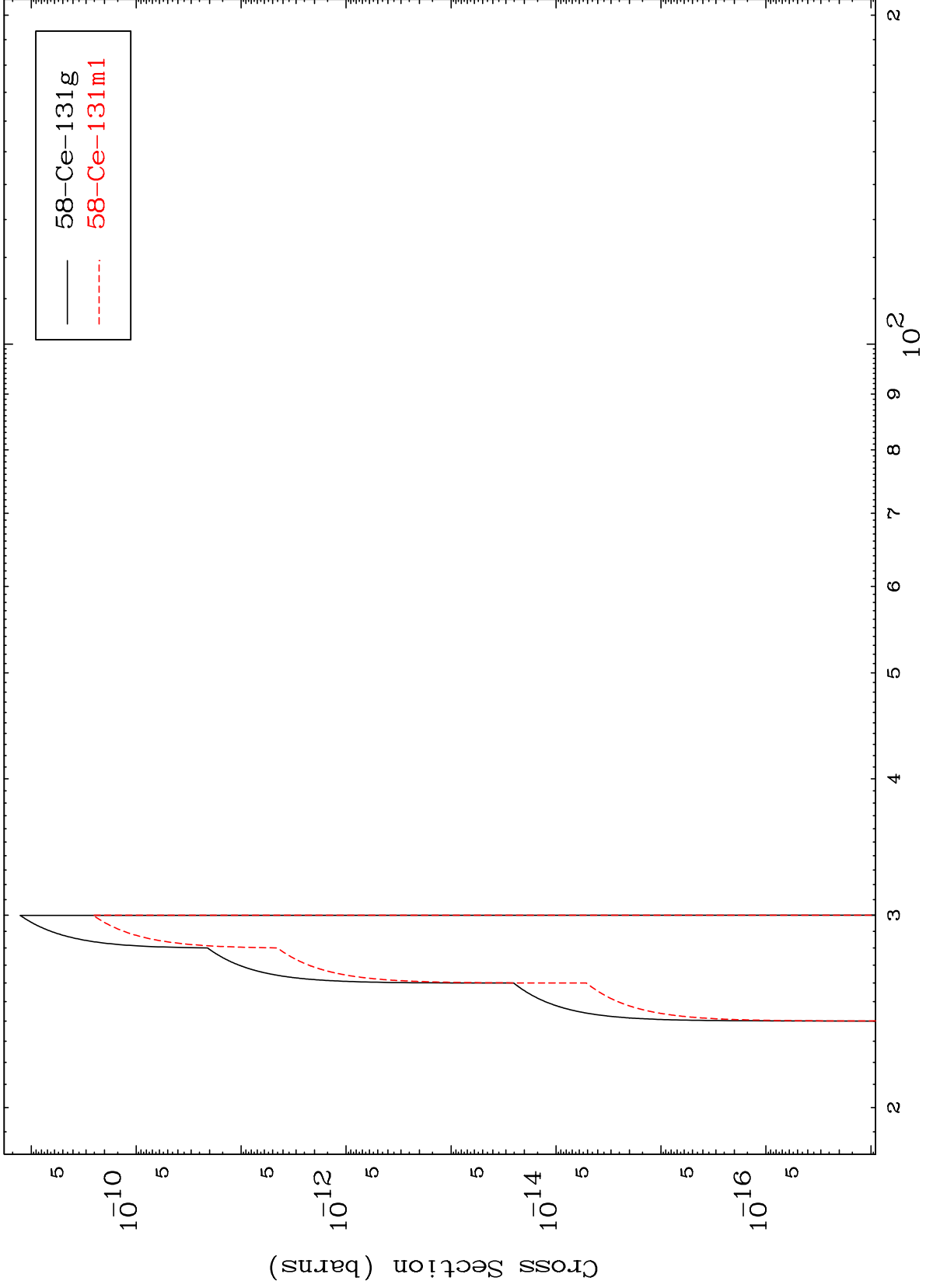
60-Nd-135

MAT 6004

( $\gamma, p$ ) t

60-Nd-135

Radionuclide Production Cross Section



19

Incident Energy (MeV)

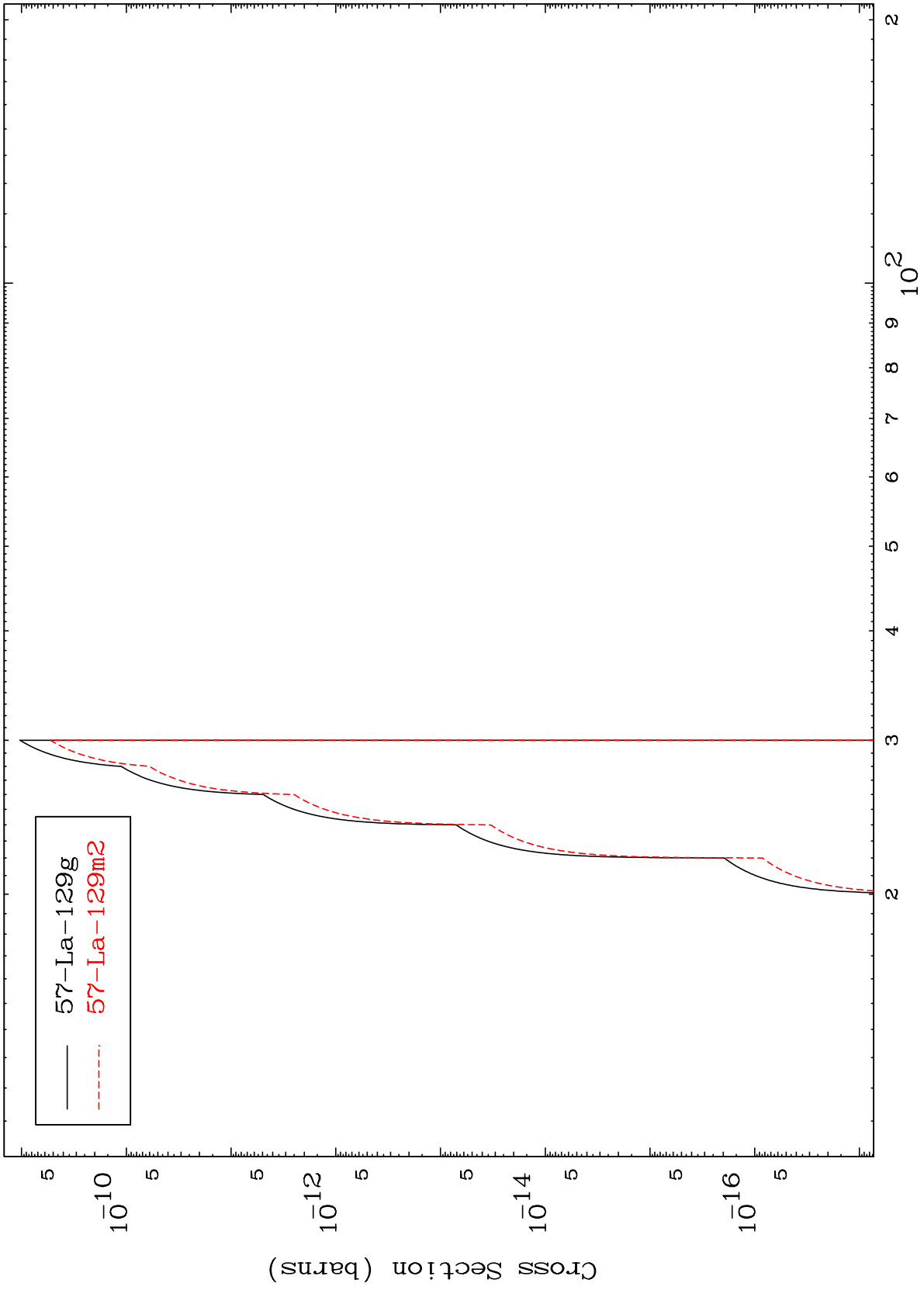
60-Nd-135

MAT 6004

( $\gamma, d$ )  $\alpha$

60-Nd-135

Radionuclide Production Cross Section



57-La-129g  
57-La-129m2

20

Incident Energy (MeV)

60-Nd-135