

Program EVALPLOT  
(Version 2018-1)

by

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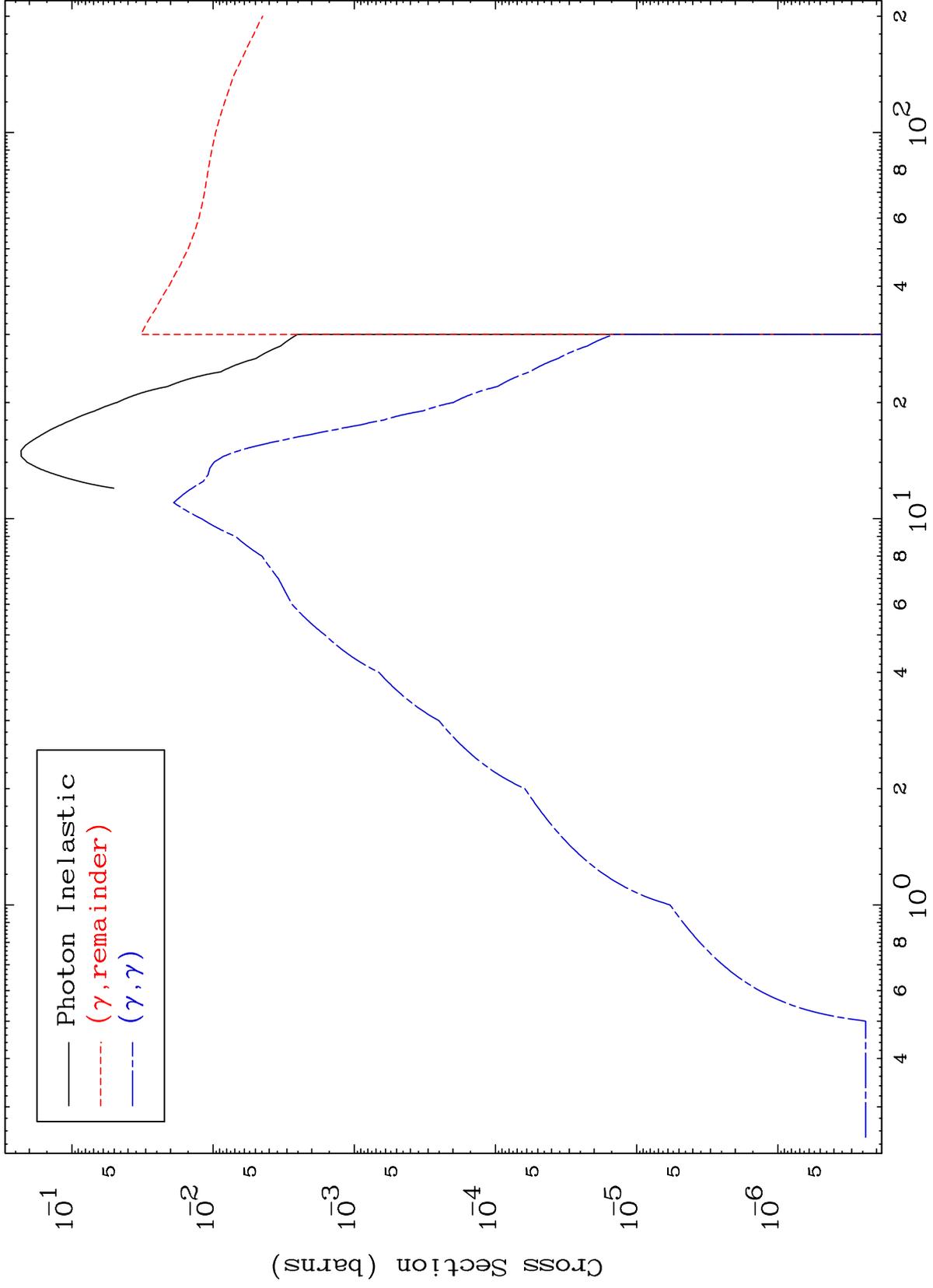
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6489

Photon Major  
0 Kelvin Cross Sections

65-Tb-147

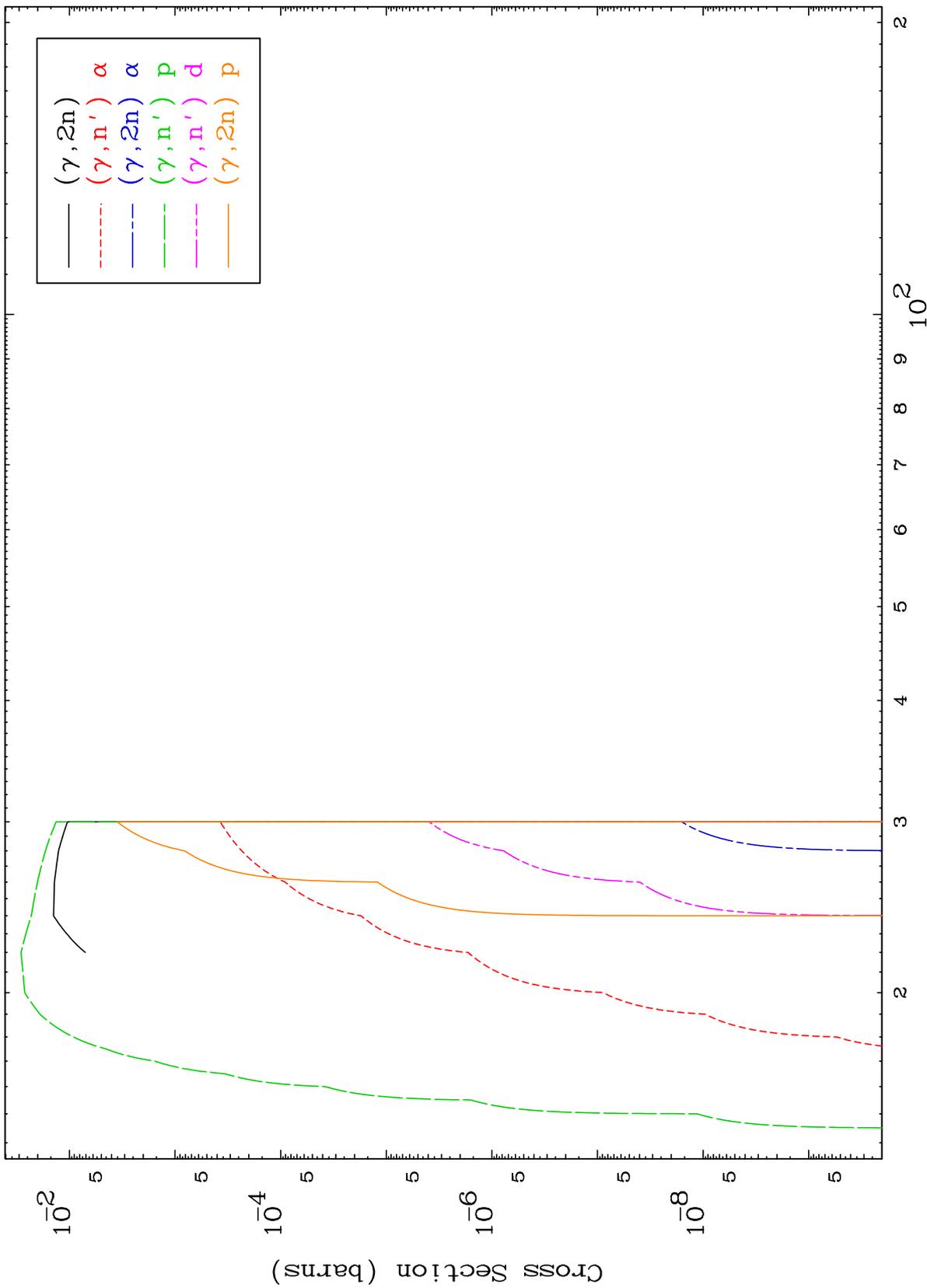


— Photon Inelastic  
- - - ( $\gamma$ , remainder)  
- . - ( $\gamma$ ,  $\gamma$ )

MAT 6489

Photon Neutron Production  
0 Kelvin Cross Sections

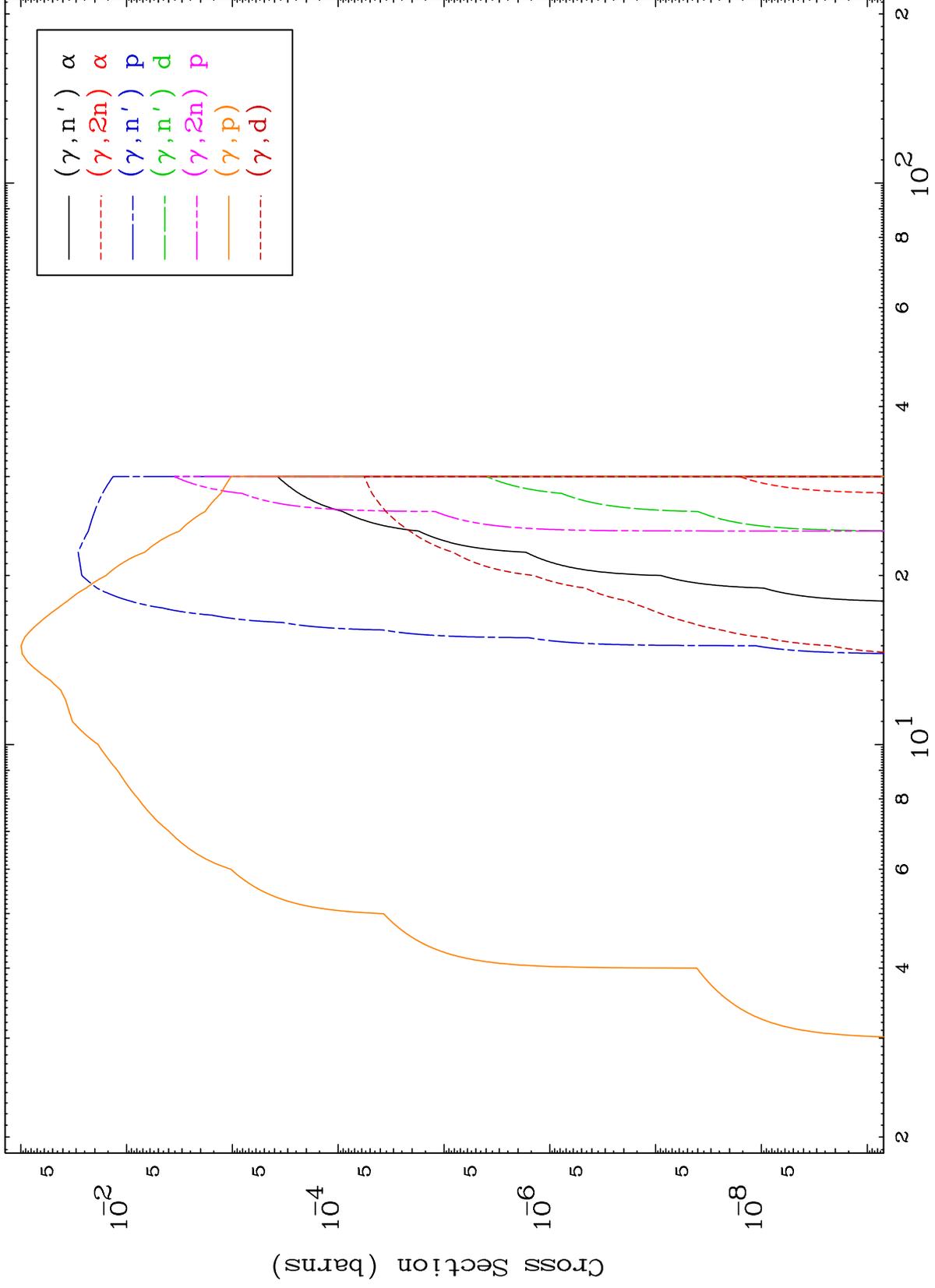
65-Tb-147



2

Incident Energy (MeV)

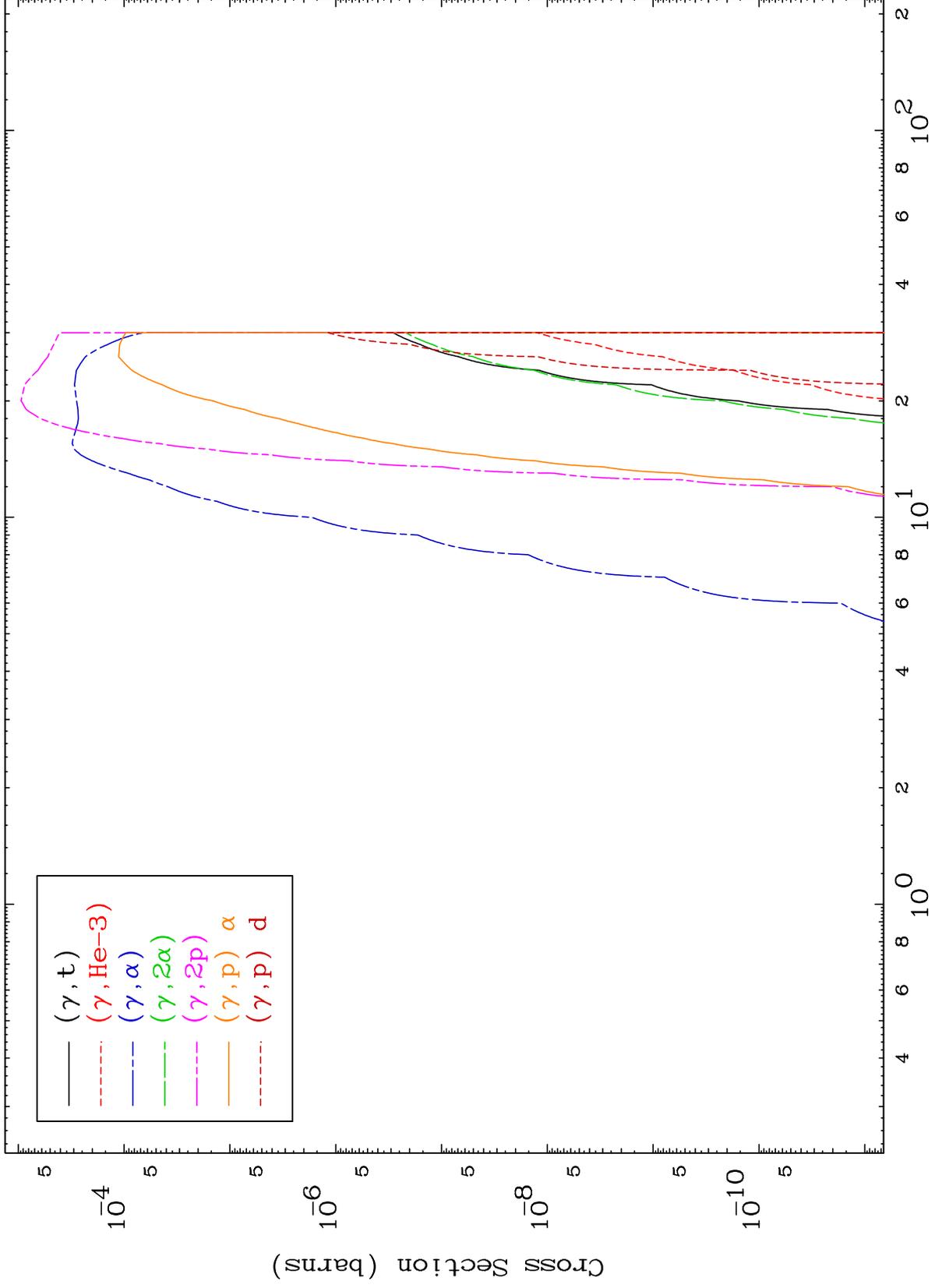
65-Tb-147



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Photon Charged Particle  
0 Kelvin Cross Sections

65-Tb-147

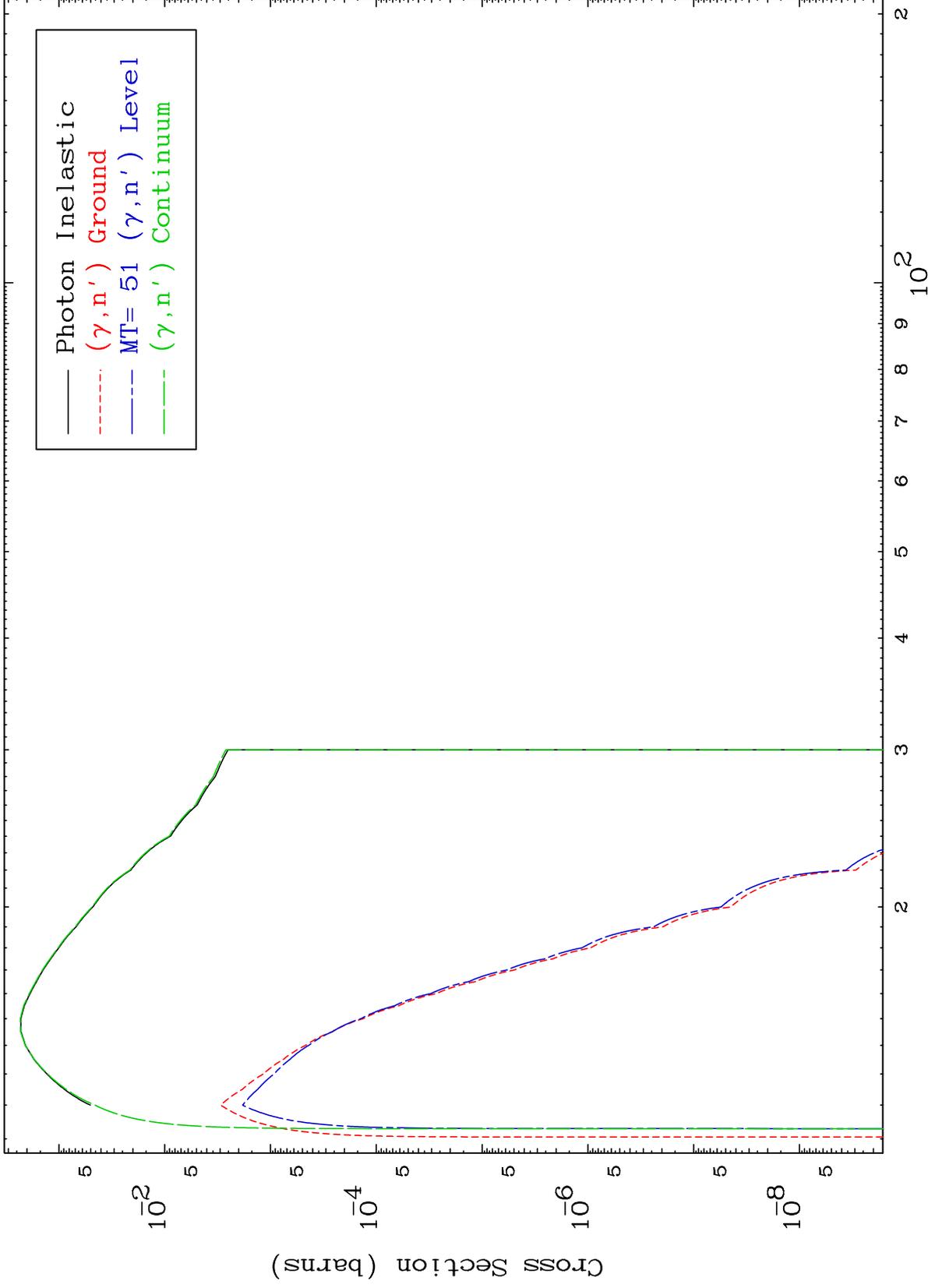


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( $\gamma, n'$ ) Level

65-Tb-147

0 Kelvin Cross Sections



Incident Energy (MeV)

65-Tb-147

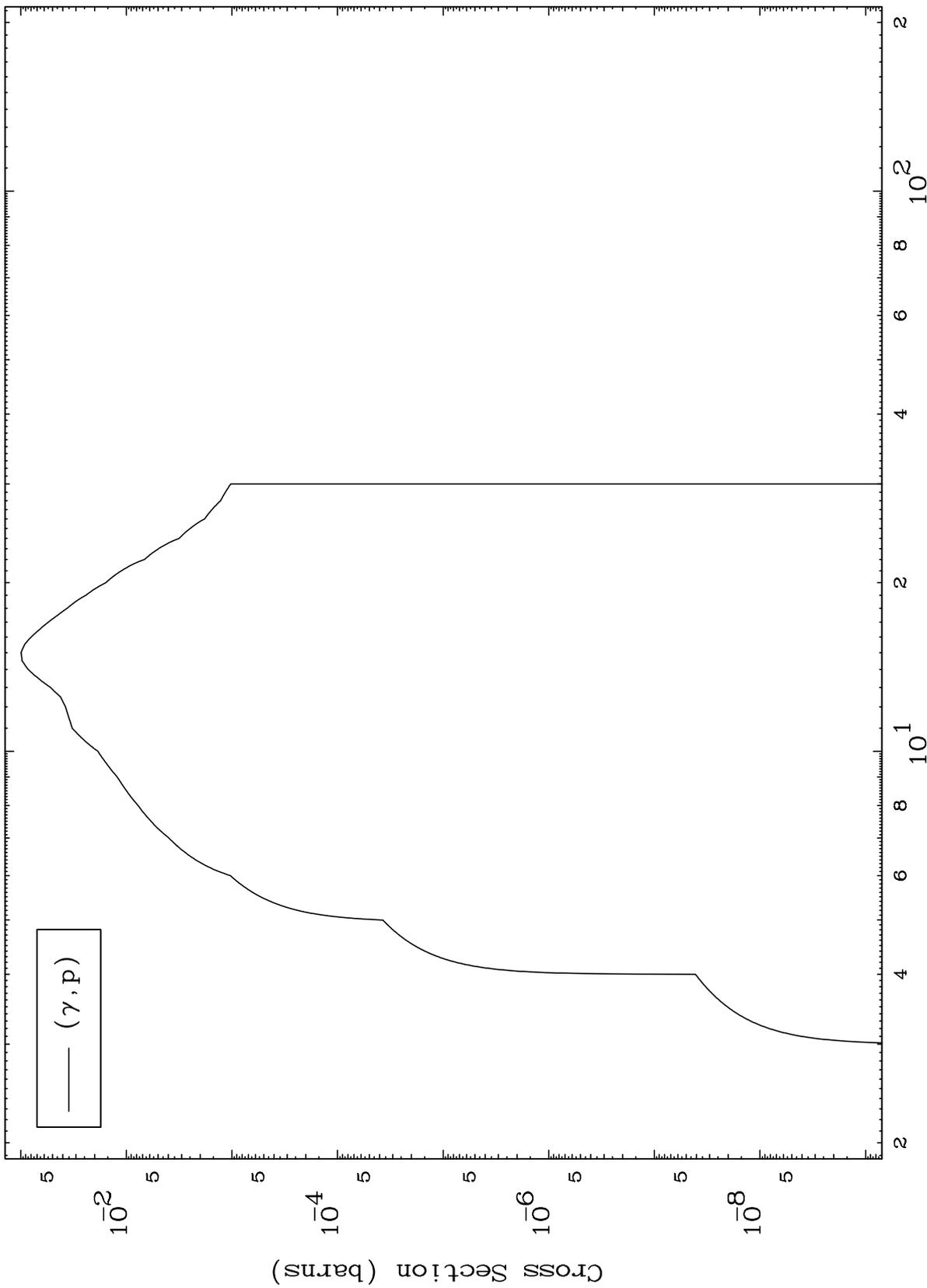
5

MAT 6489

( $\gamma, p$ ) Levels

65-Tb-147

0 Kelvin Cross Sections

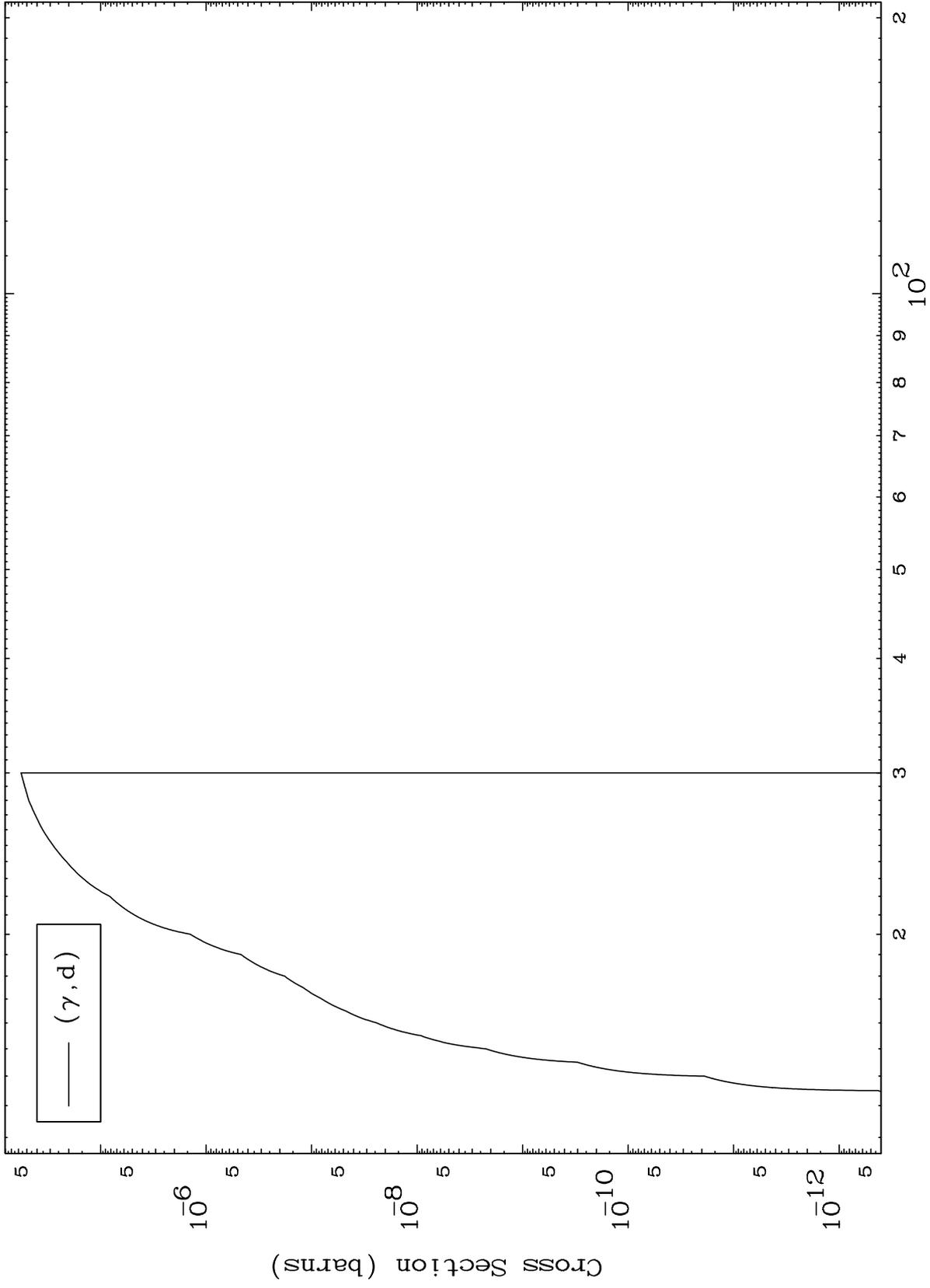


( $\gamma, p$ )

Incident Energy (MeV)

65-Tb-147

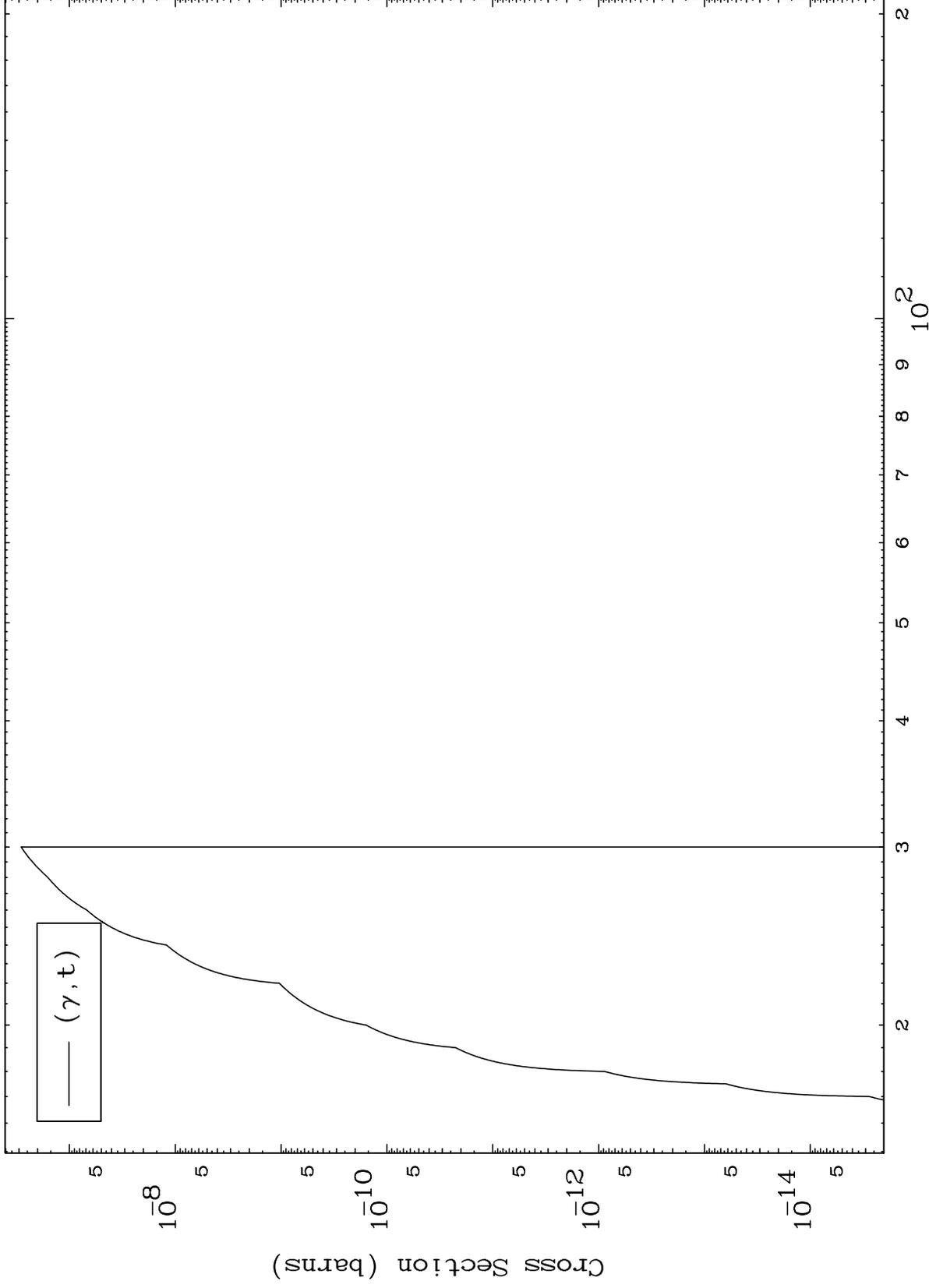
6



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

65-Tb-147



8

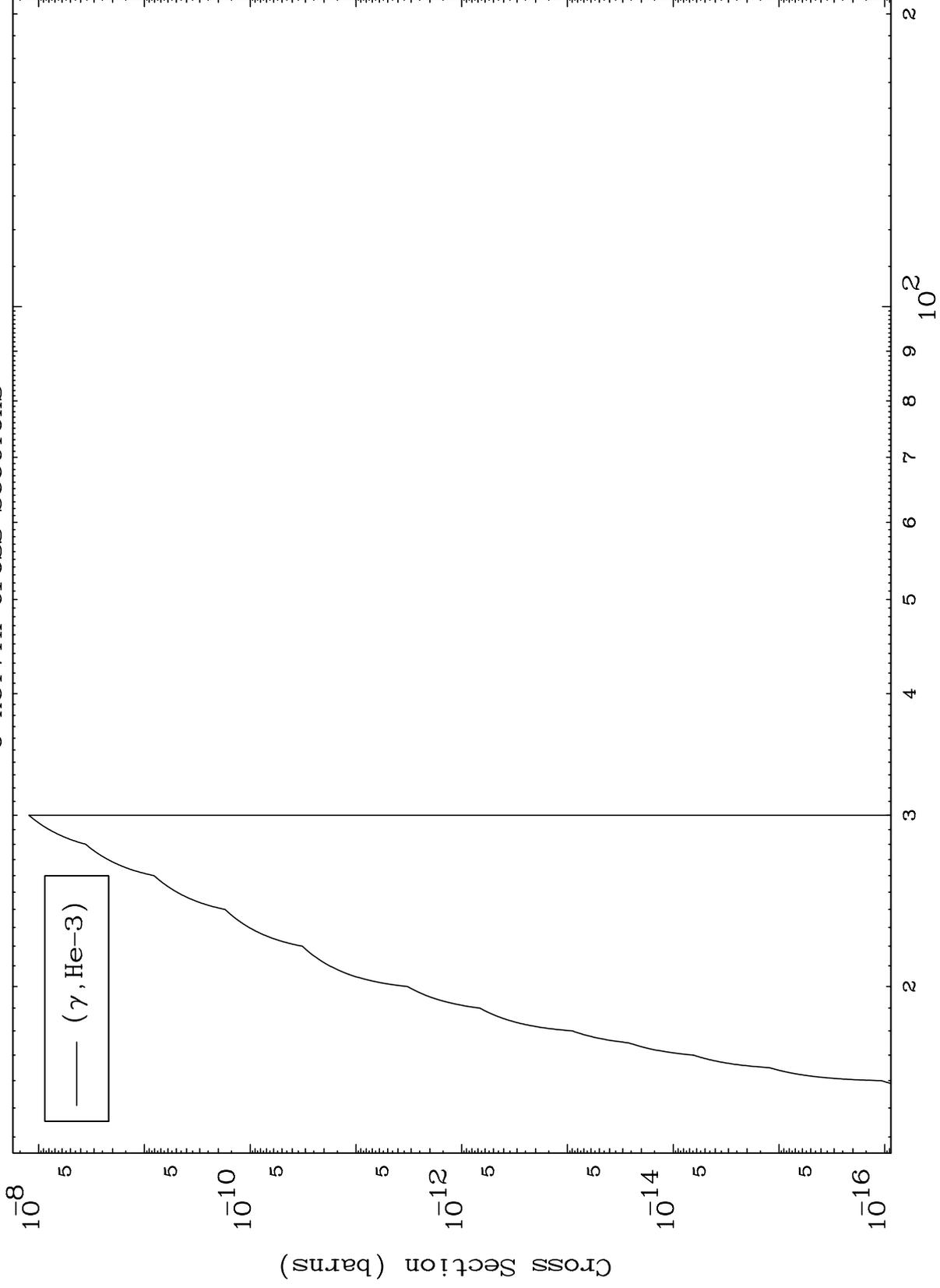
Incident Energy (MeV)

65-Tb-147

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( $\gamma, \text{He}3$ ) Levels  
0 Kelvin Cross Sections

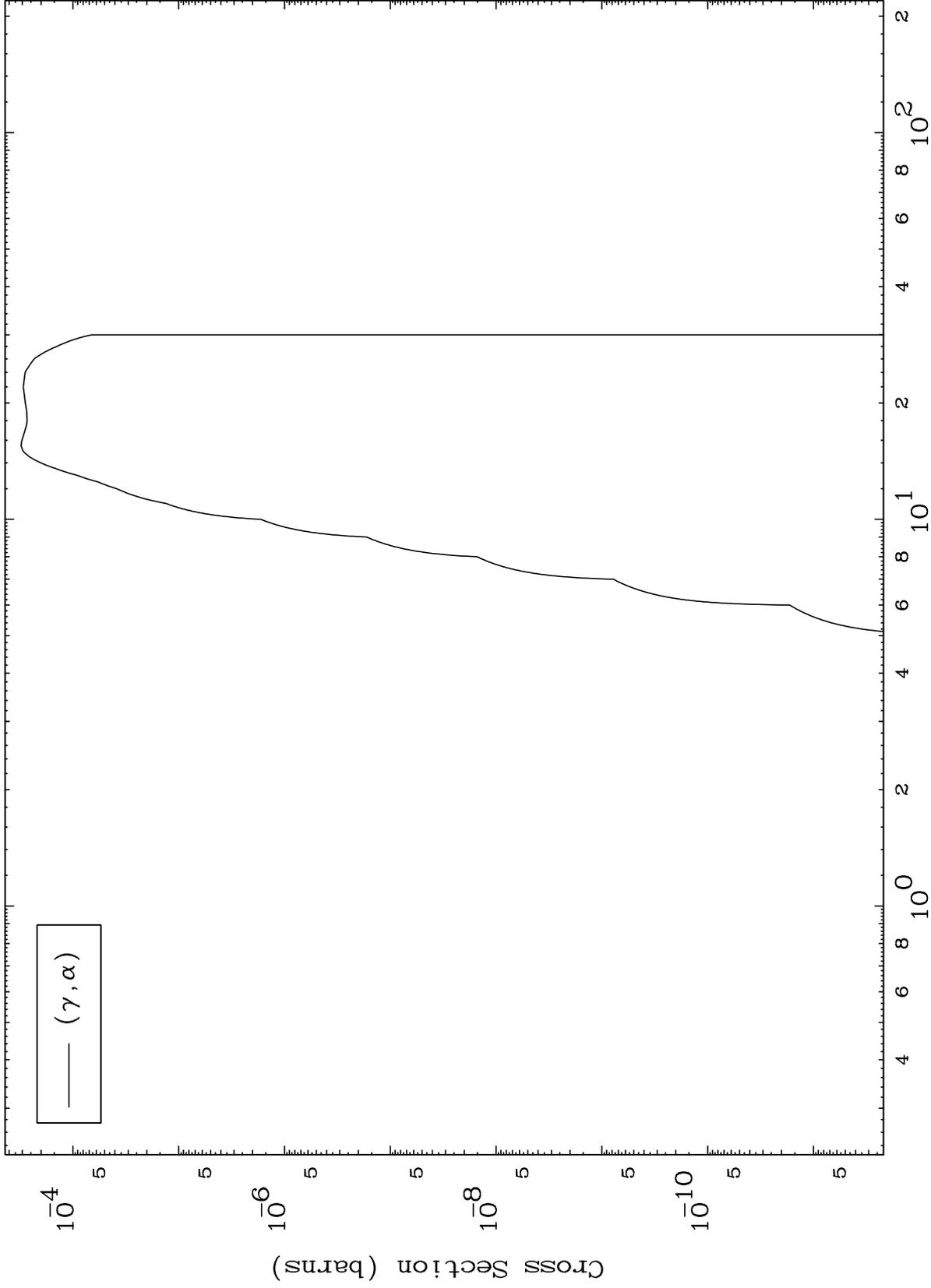
65-Tb-147



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

65-Tb-147



10

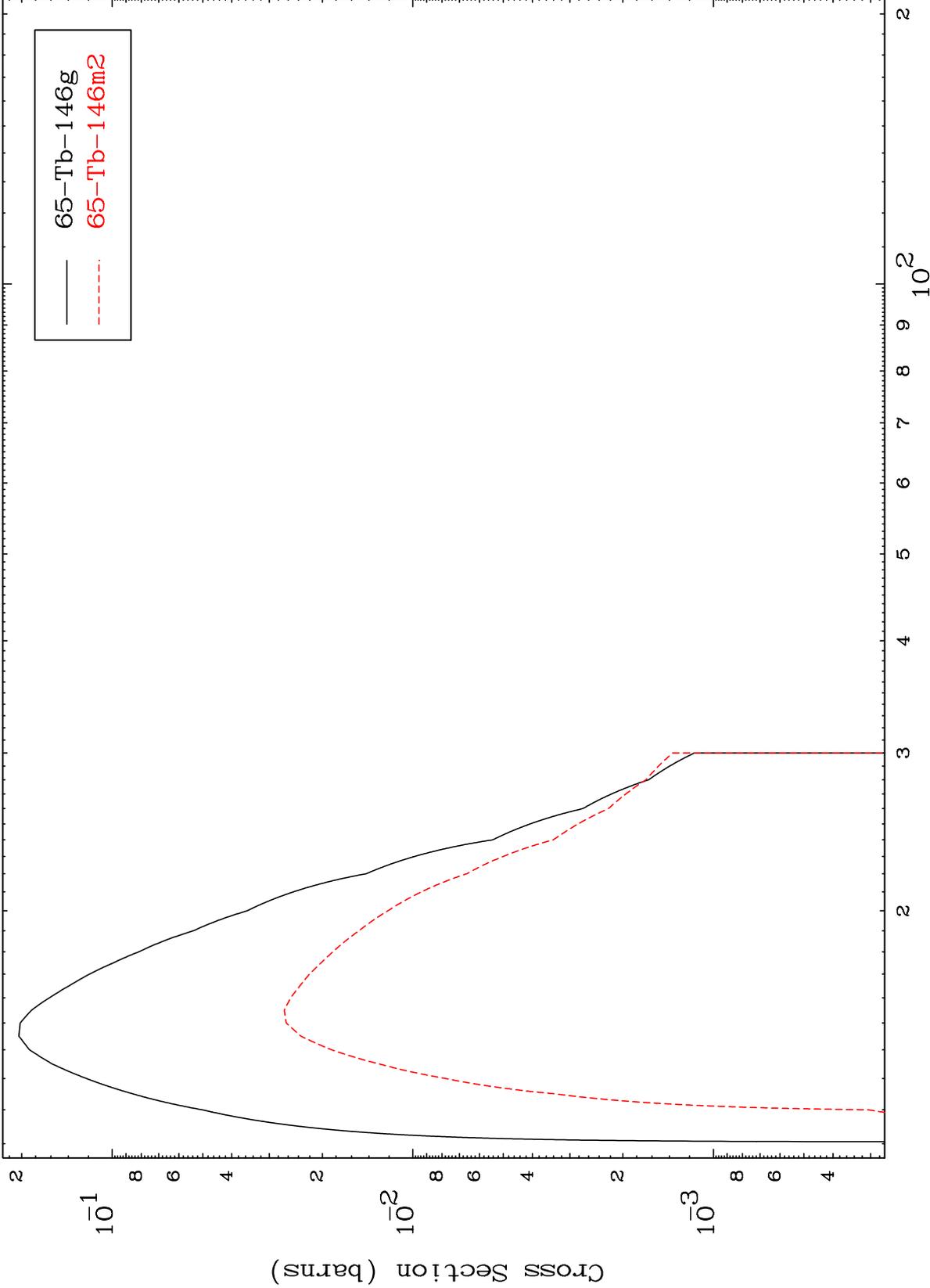
Incident Energy (MeV)

65-Tb-147

MAT 6489

Photon Inelastic  
Radionuclide Production Cross Section

65-Tb-147



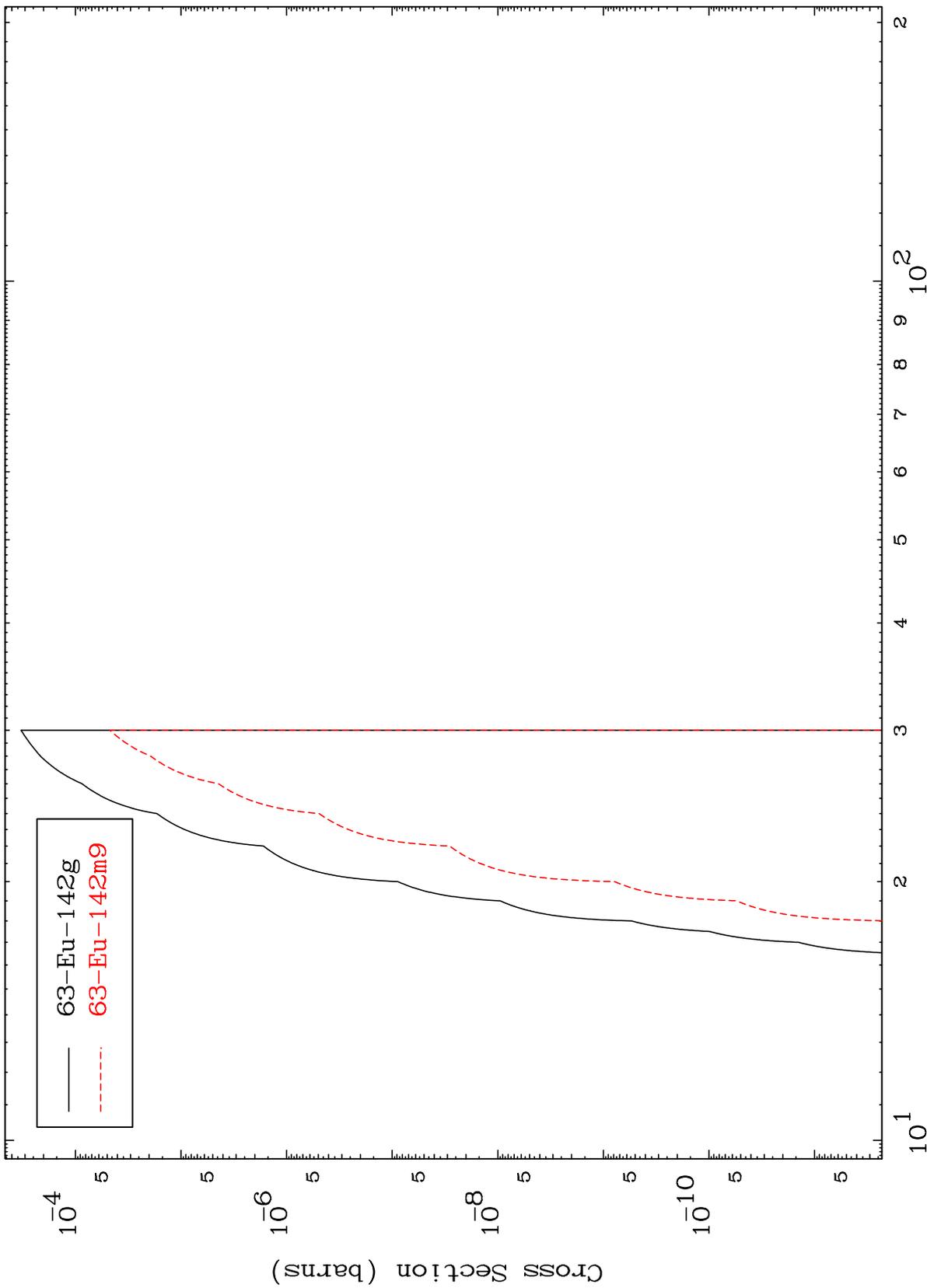
65-Tb-146g  
65-Tb-146m2

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

65-Tb-147

Radionuclide Production Cross Section



63-Eu-142g  
63-Eu-142m9

Incident Energy (MeV)

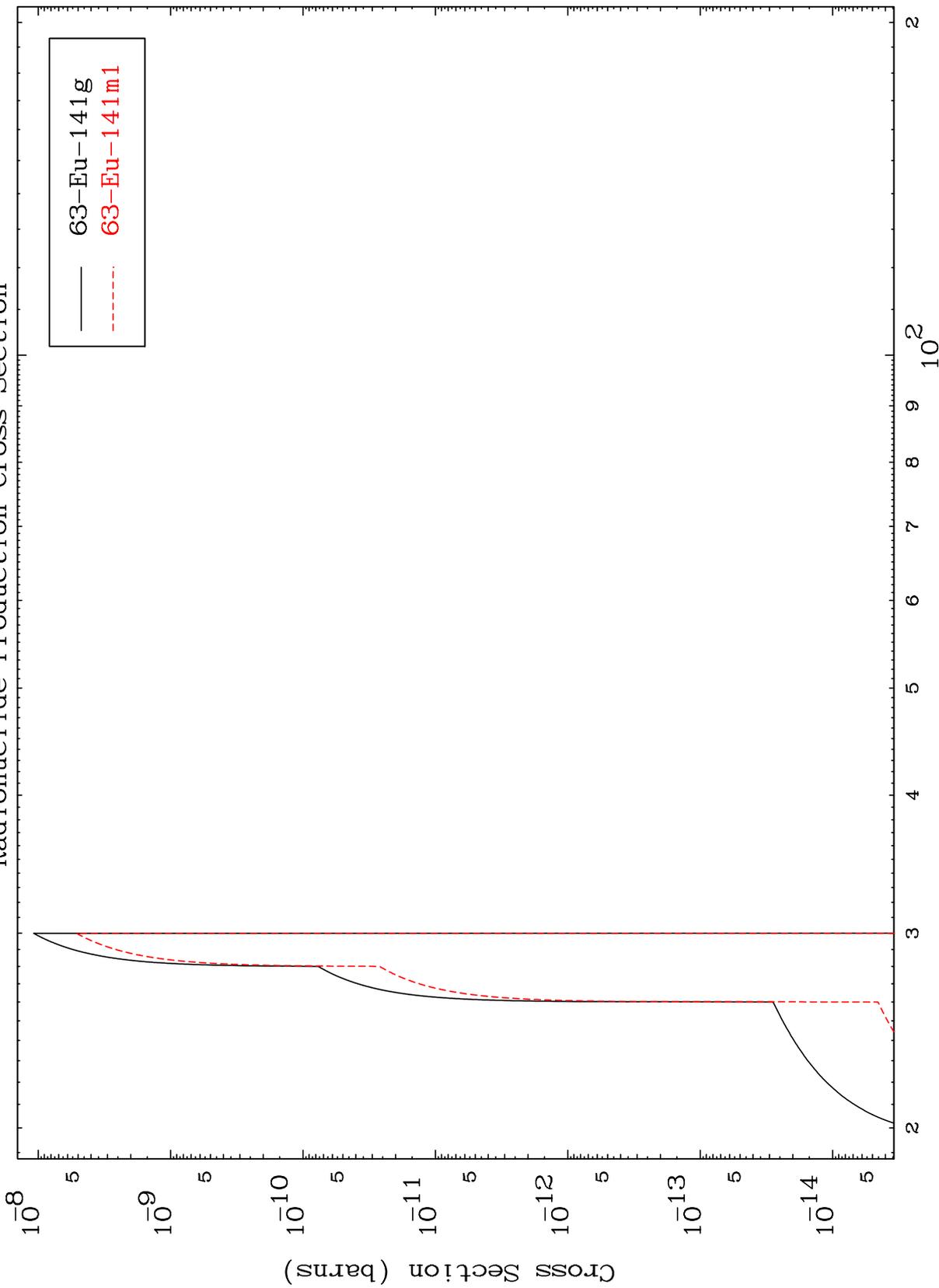
65-Tb-147

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$(\gamma, 2n) \alpha$

65-Tb-147

Radionuclide Production Cross Section



63-Eu-141g  
63-Eu-141m1

13

Incident Energy (MeV)

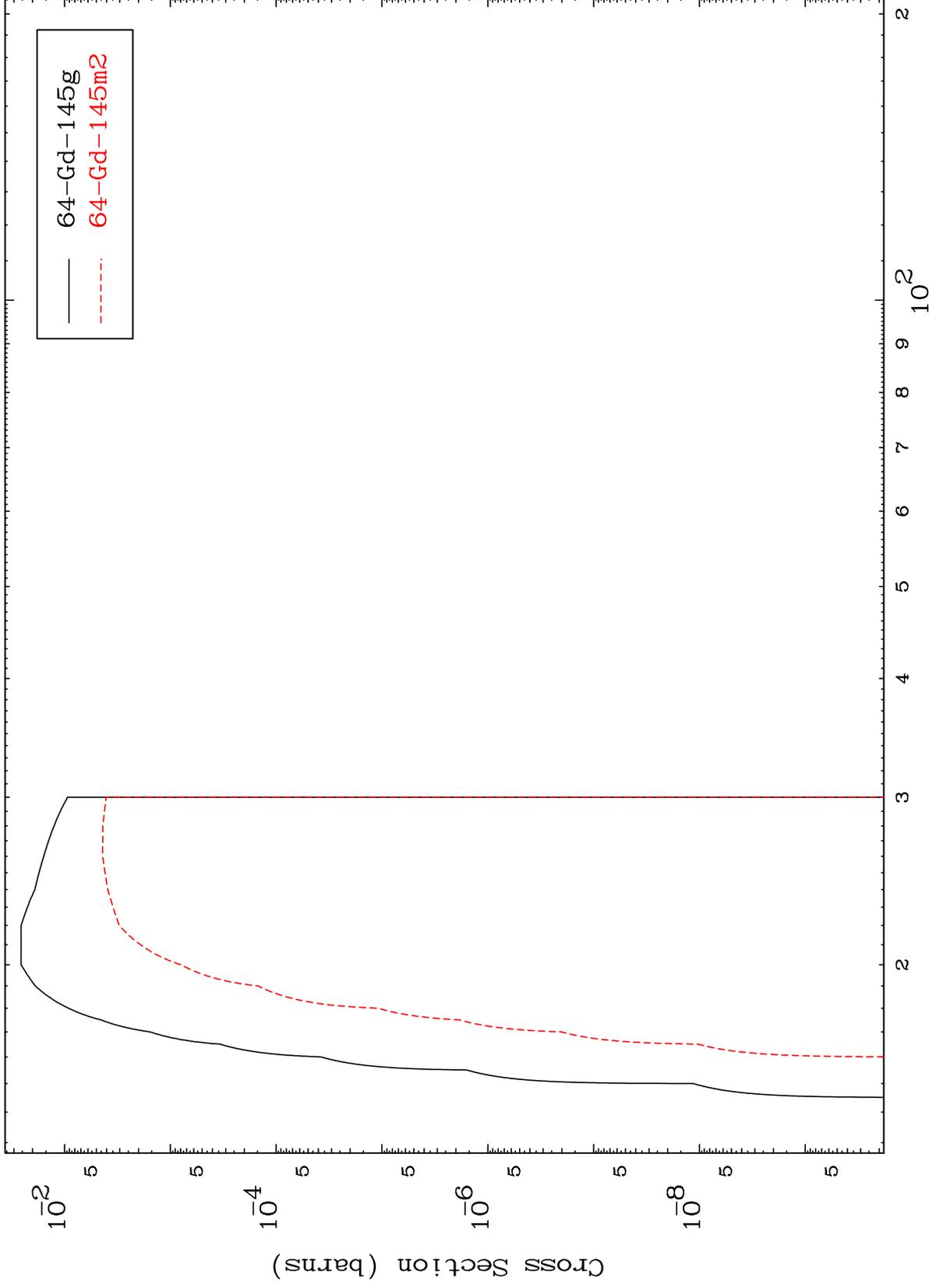
65-Tb-147

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$(\gamma, n')$  p

65-Tb-147

Radionuclide Production Cross Section



14

Incident Energy (MeV)

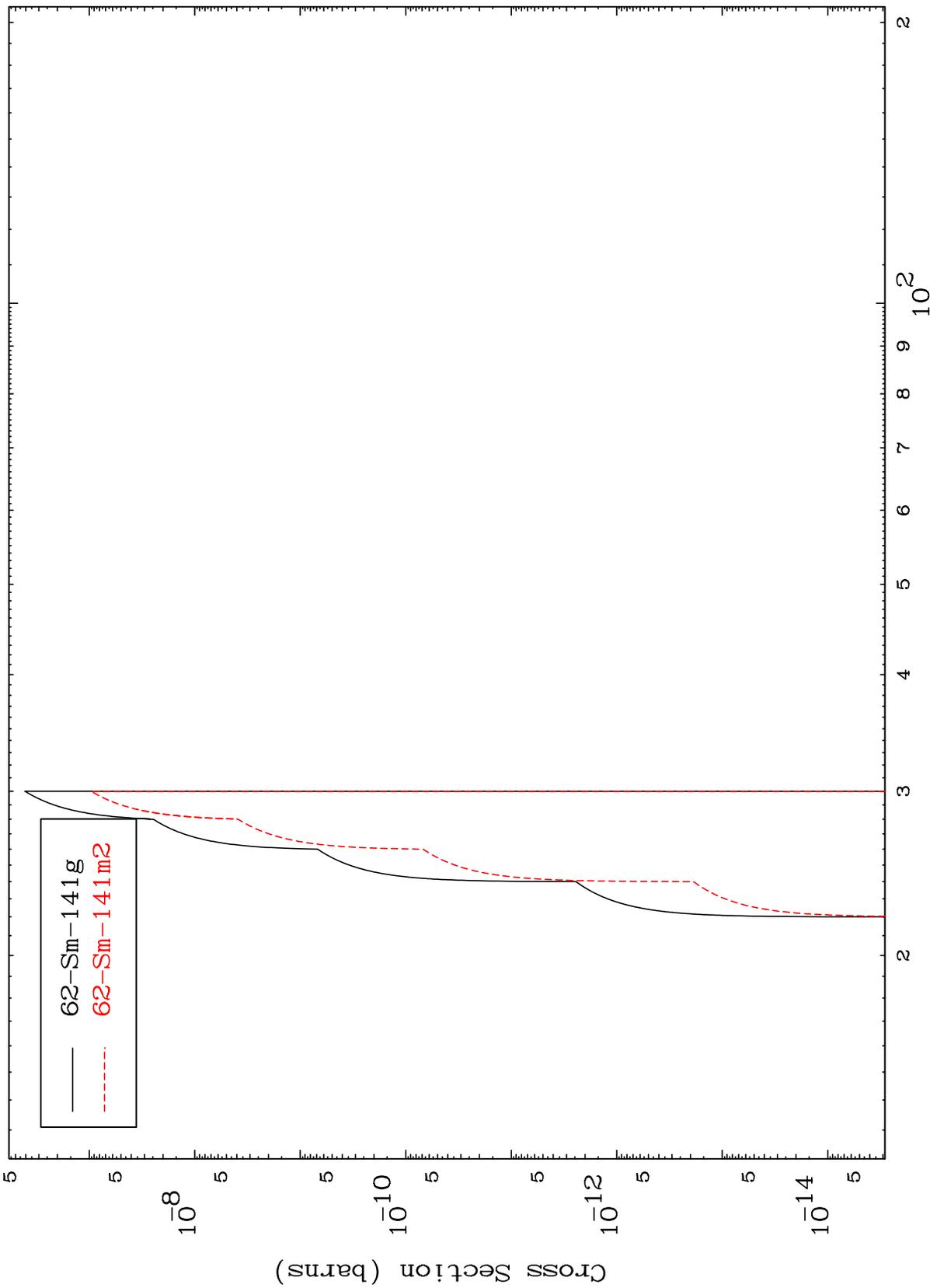
65-Tb-147

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

65-Tb-147

Radionuclide Production Cross Section



15

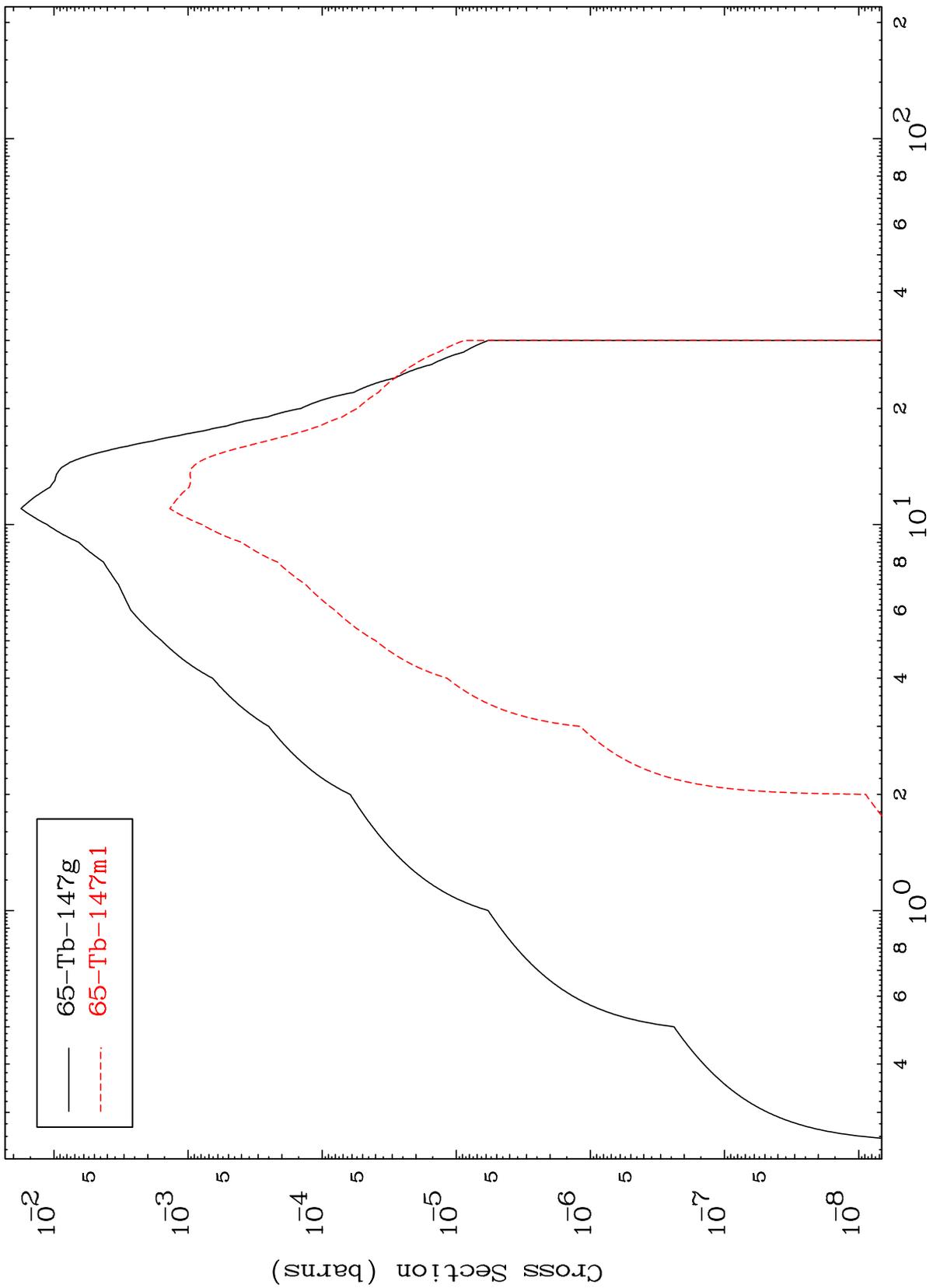
Incident Energy (MeV)

65-Tb-147

MAT 6489

65-Tb-147

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



65-Tb-147

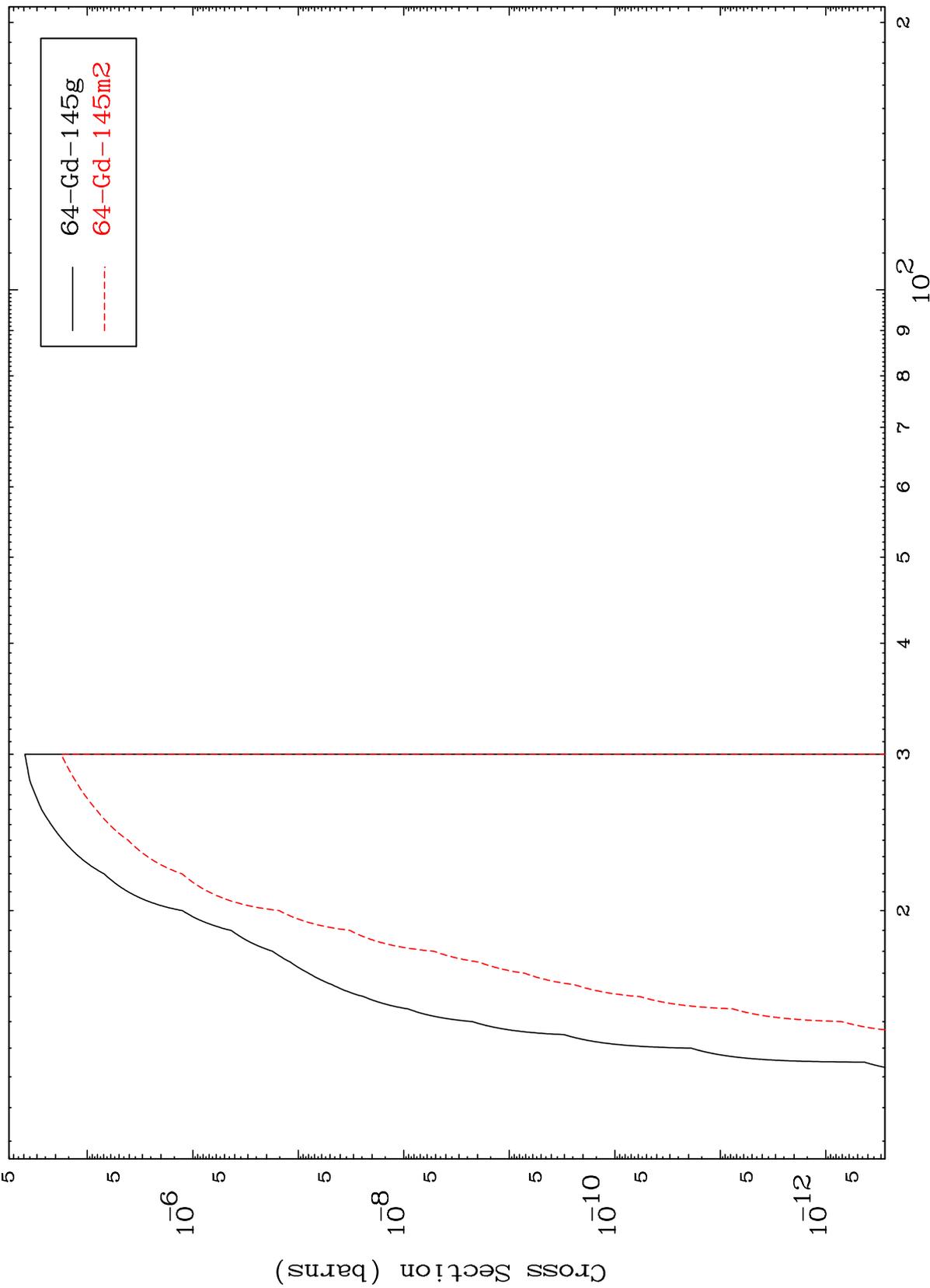
Incident Energy (MeV)

16

MAT 6489

65-Tb-147

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



65-Tb-147

Incident Energy (MeV)

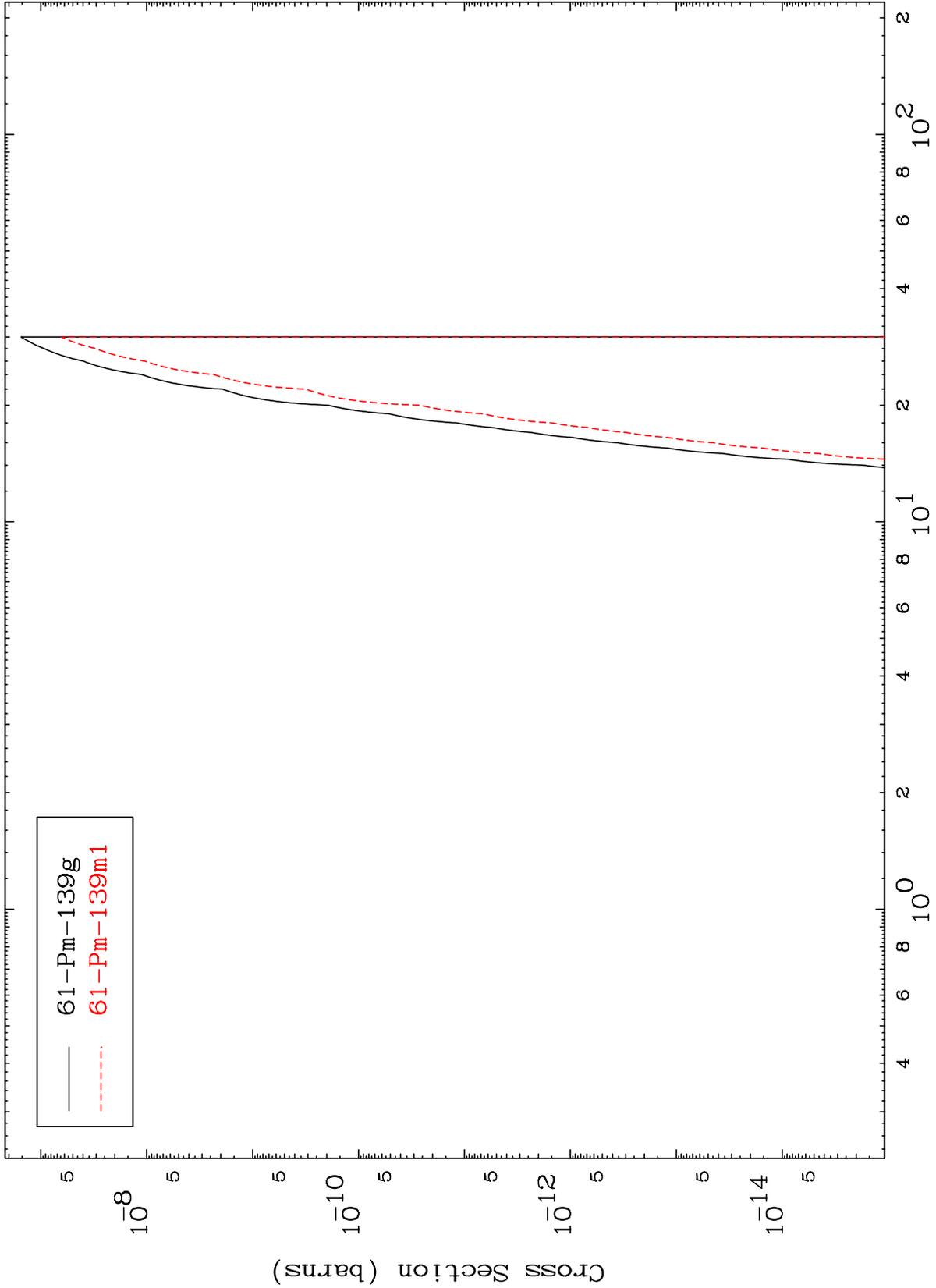
17

MAT 6489

( $\gamma, 2\alpha$ )

65-Tb-147

Radionuclide Production Cross Section



61-Pm-139g  
61-Pm-139m1