

Program EVALPLOT  
(Version 2017-1)

by

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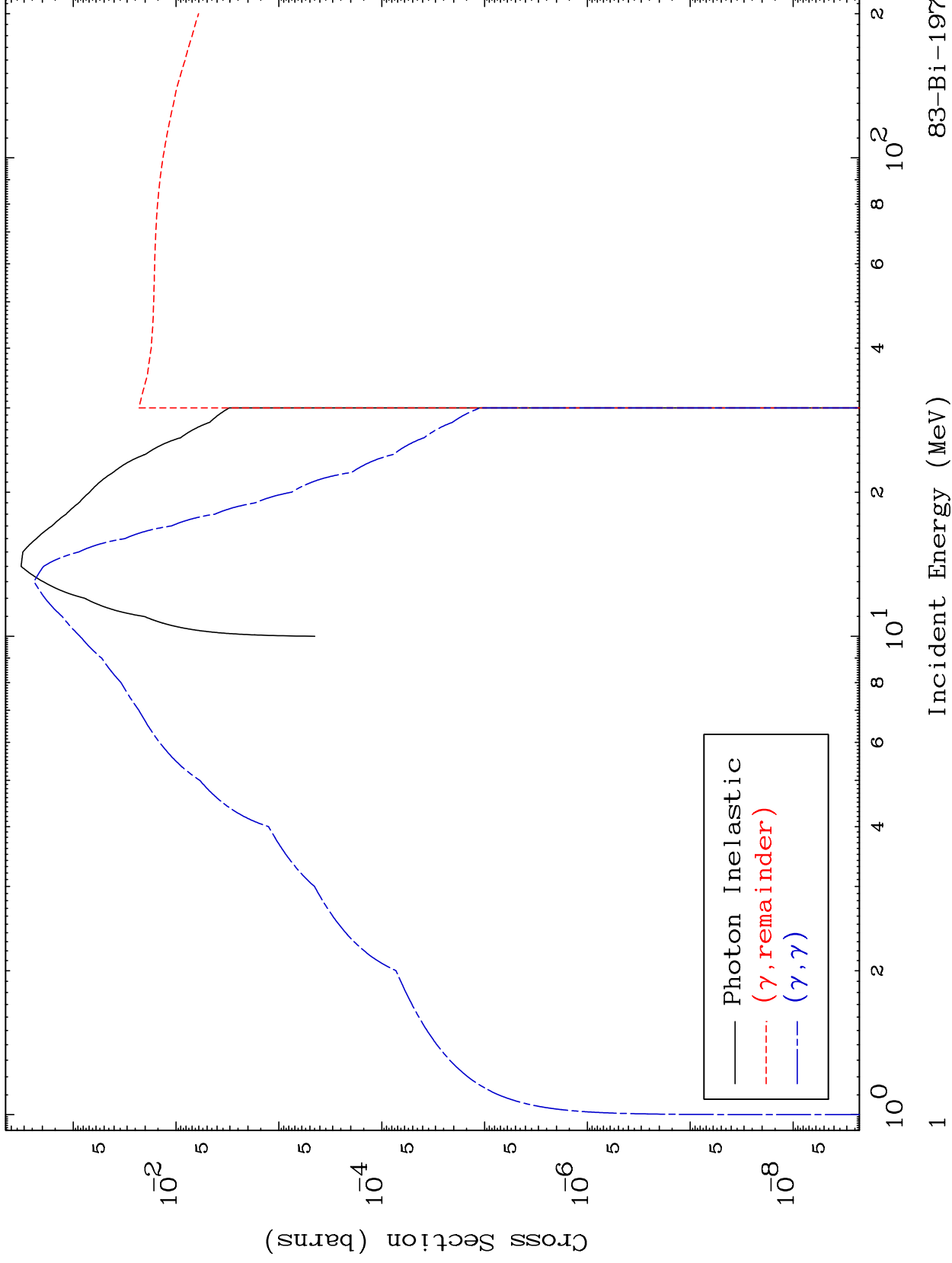
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8289

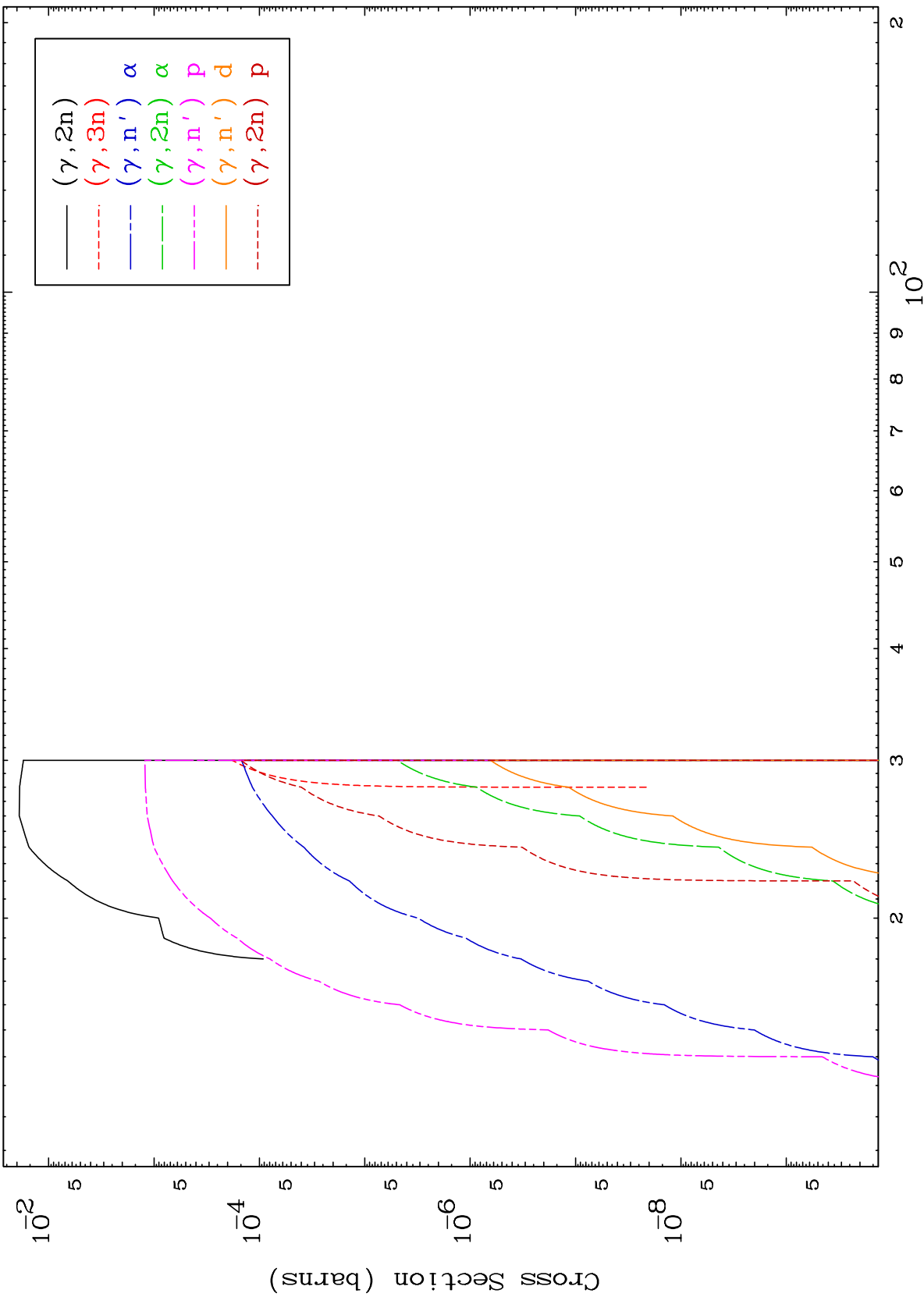
Photon Major  
0 Kelvin Cross Sections

83-Bi-197



83-Bi-197

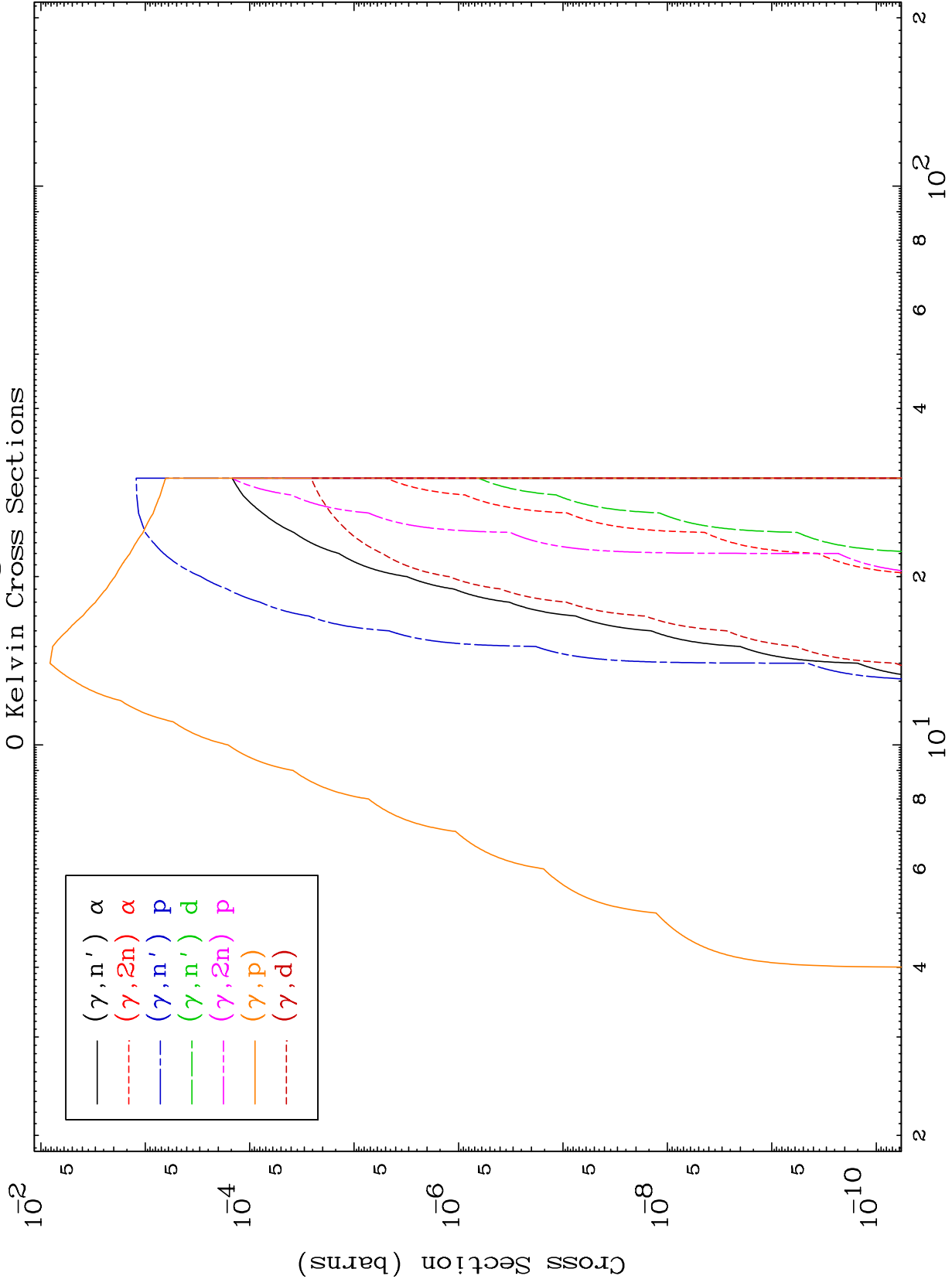
Incident Energy (MeV)



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Photon Charged Particle  
0 Kelvin Cross Sections

83-Bi-197



3

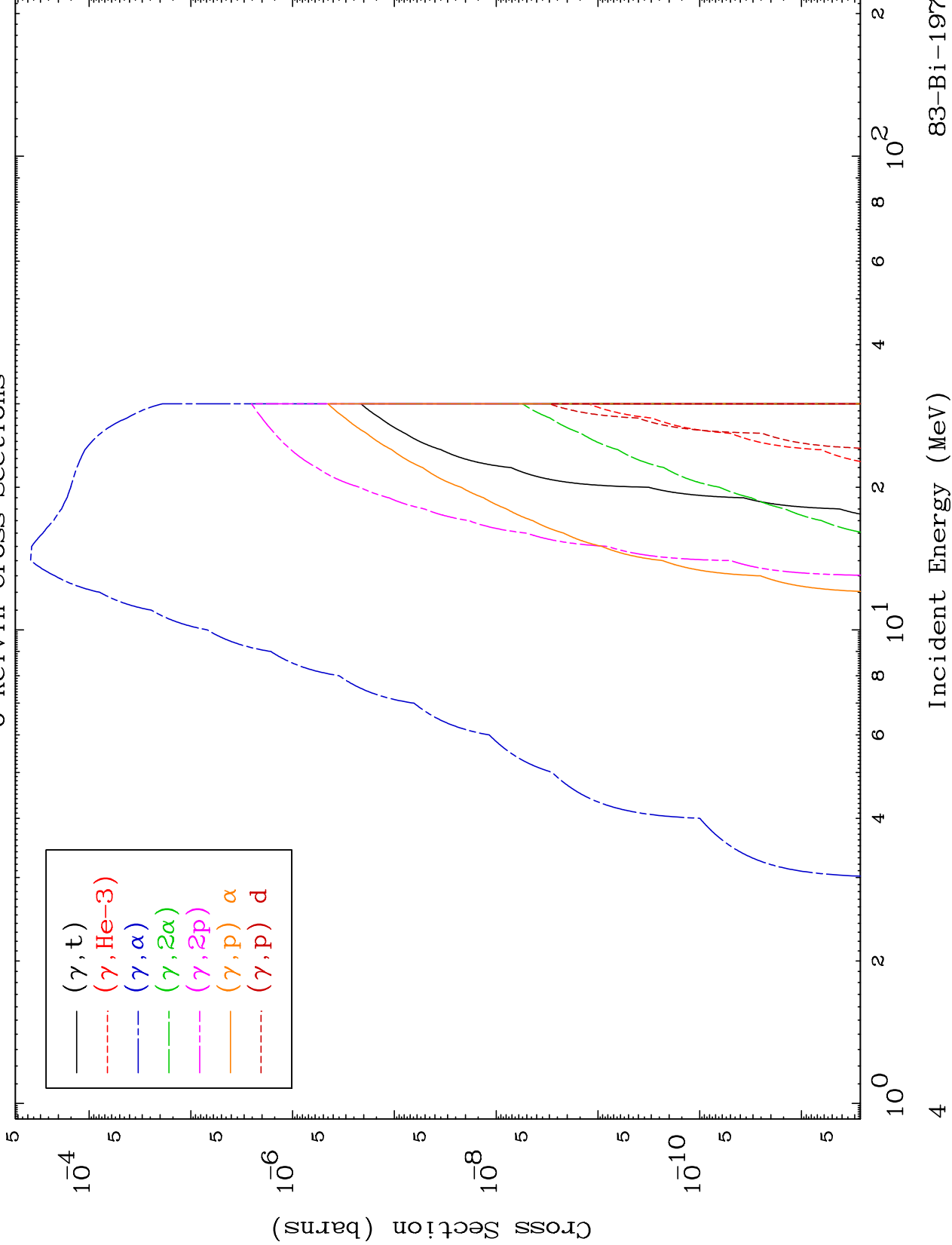
Incident Energy (MeV)

83-Bi-197

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Photon Charged Particle  
0 Kelvin Cross Sections

83-Bi-197



83-Bi-197

Incident Energy (MeV)

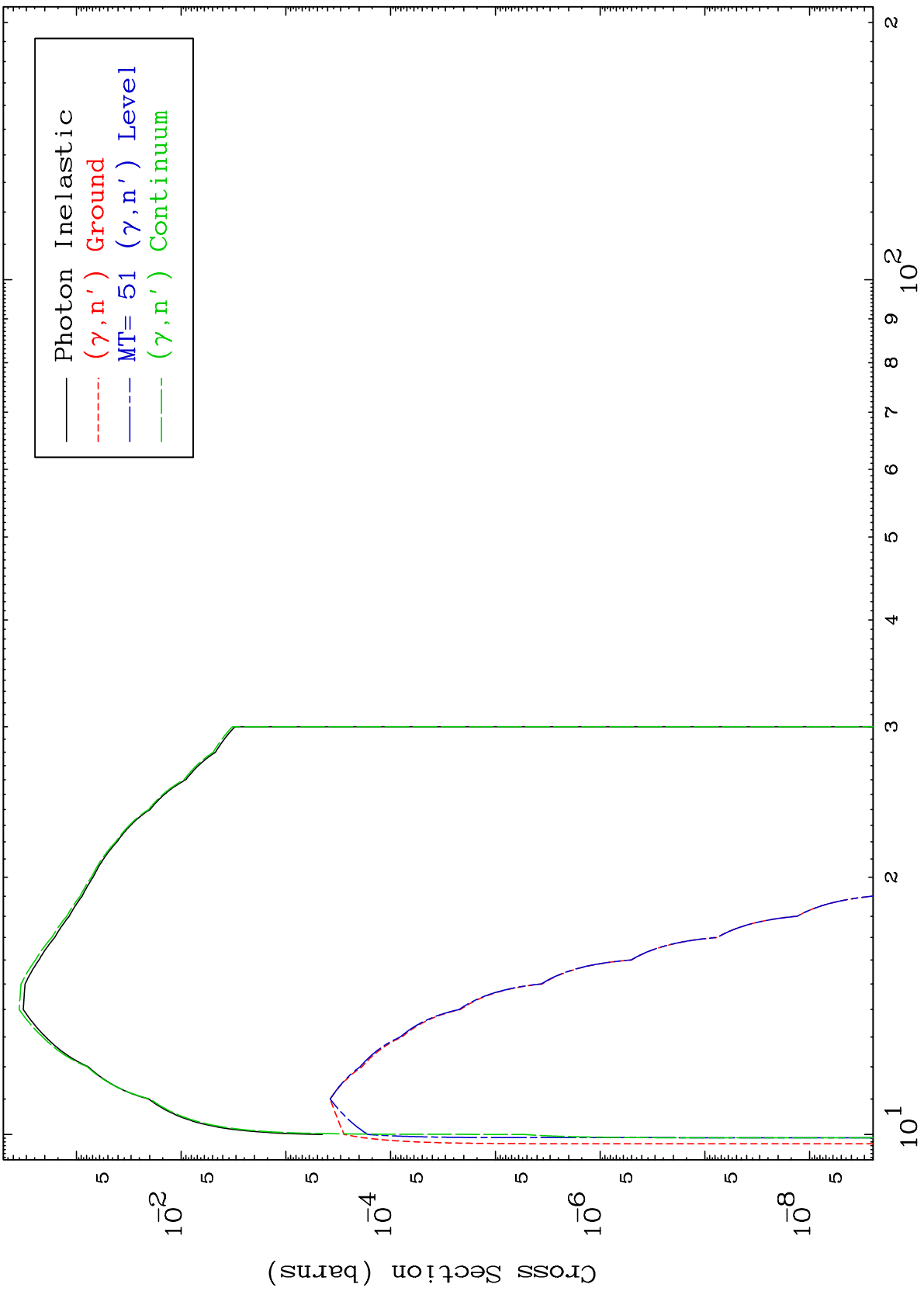
4

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( $\gamma, n'$ ) Level

83-Bi-197

0 Kelvin Cross Sections



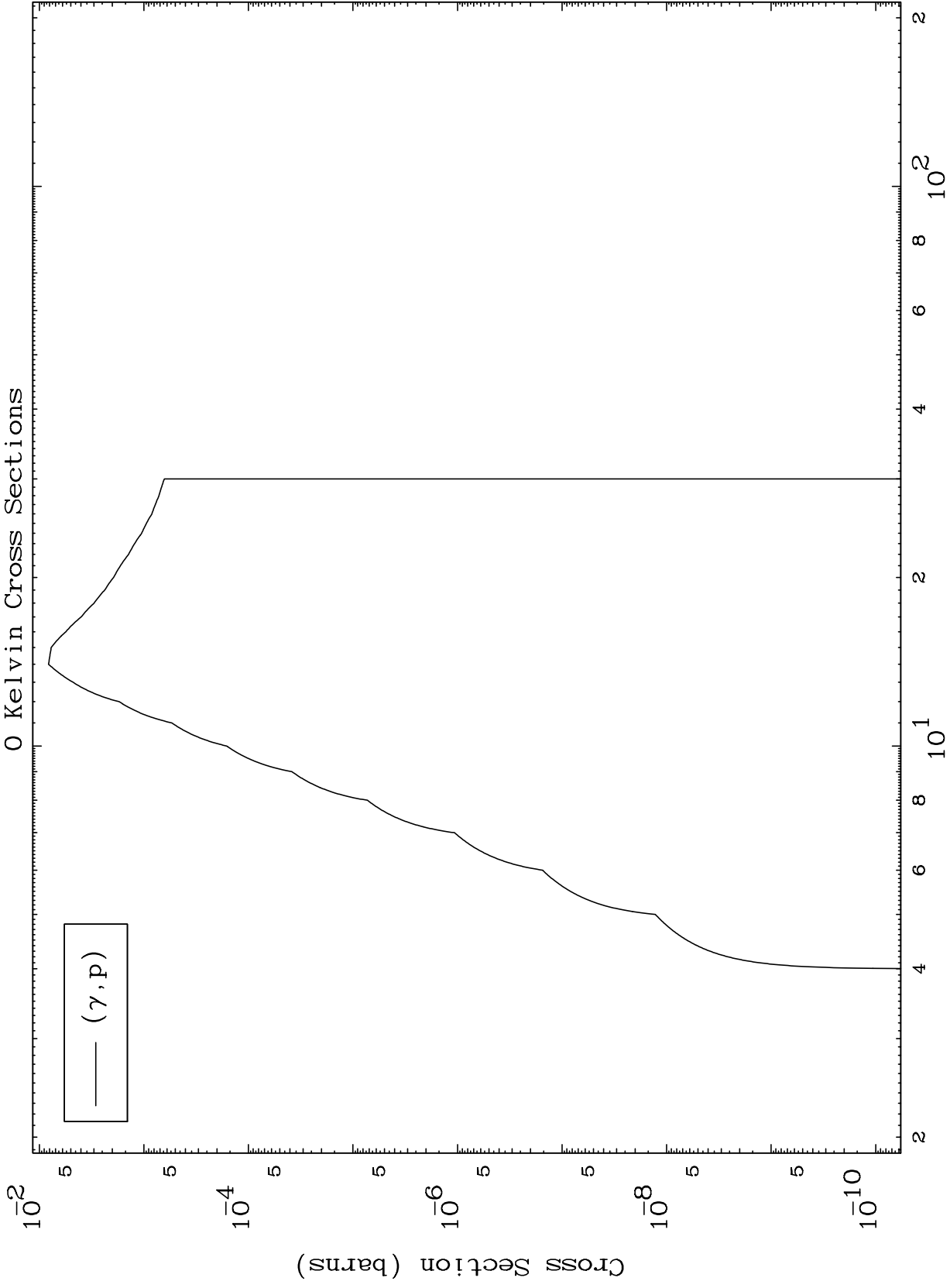
Incident Energy (MeV)

83-Bi-197

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83-Bi-197

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



83-Bi-197

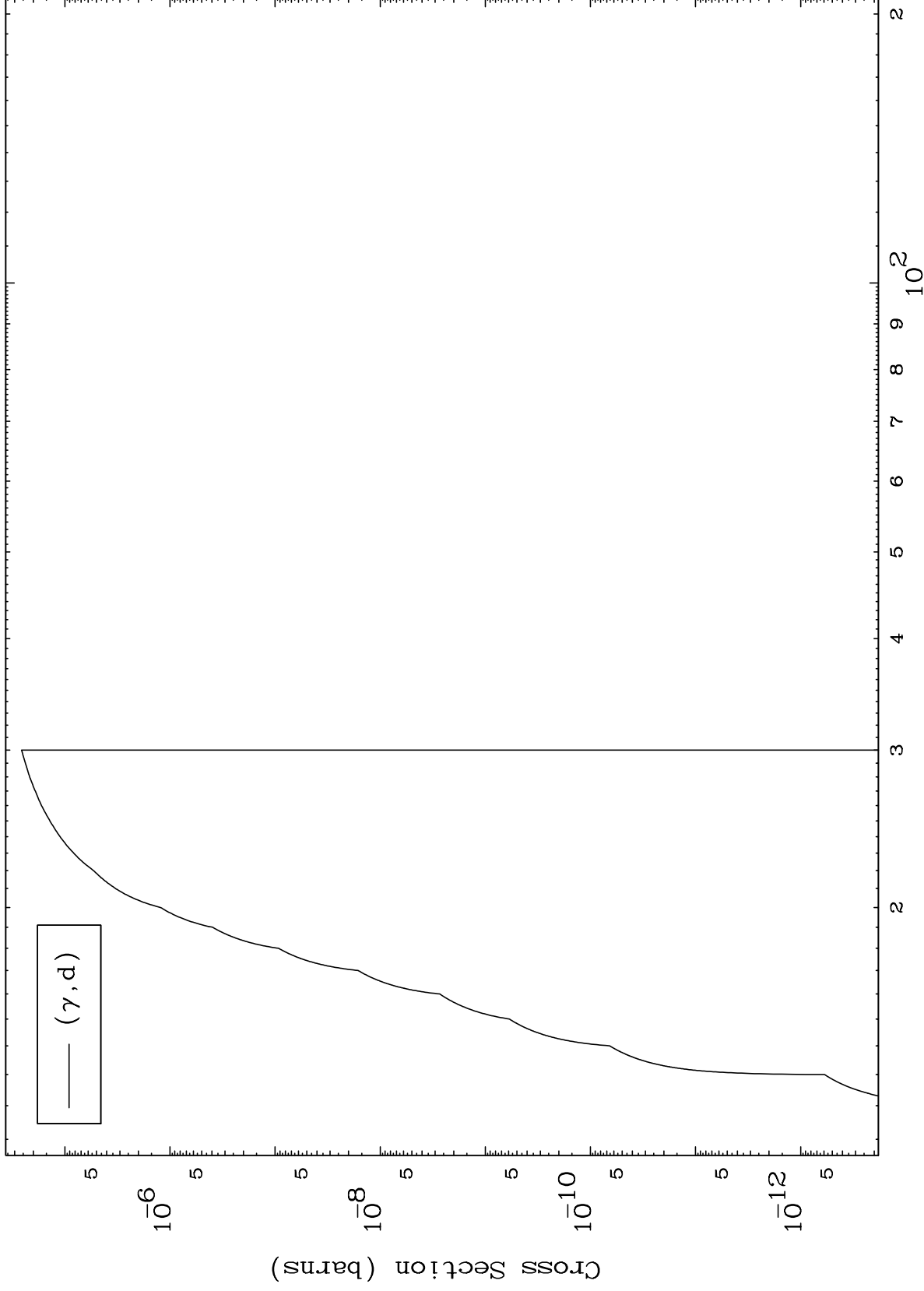
Incident Energy (MeV)

6

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

83-Bi-197

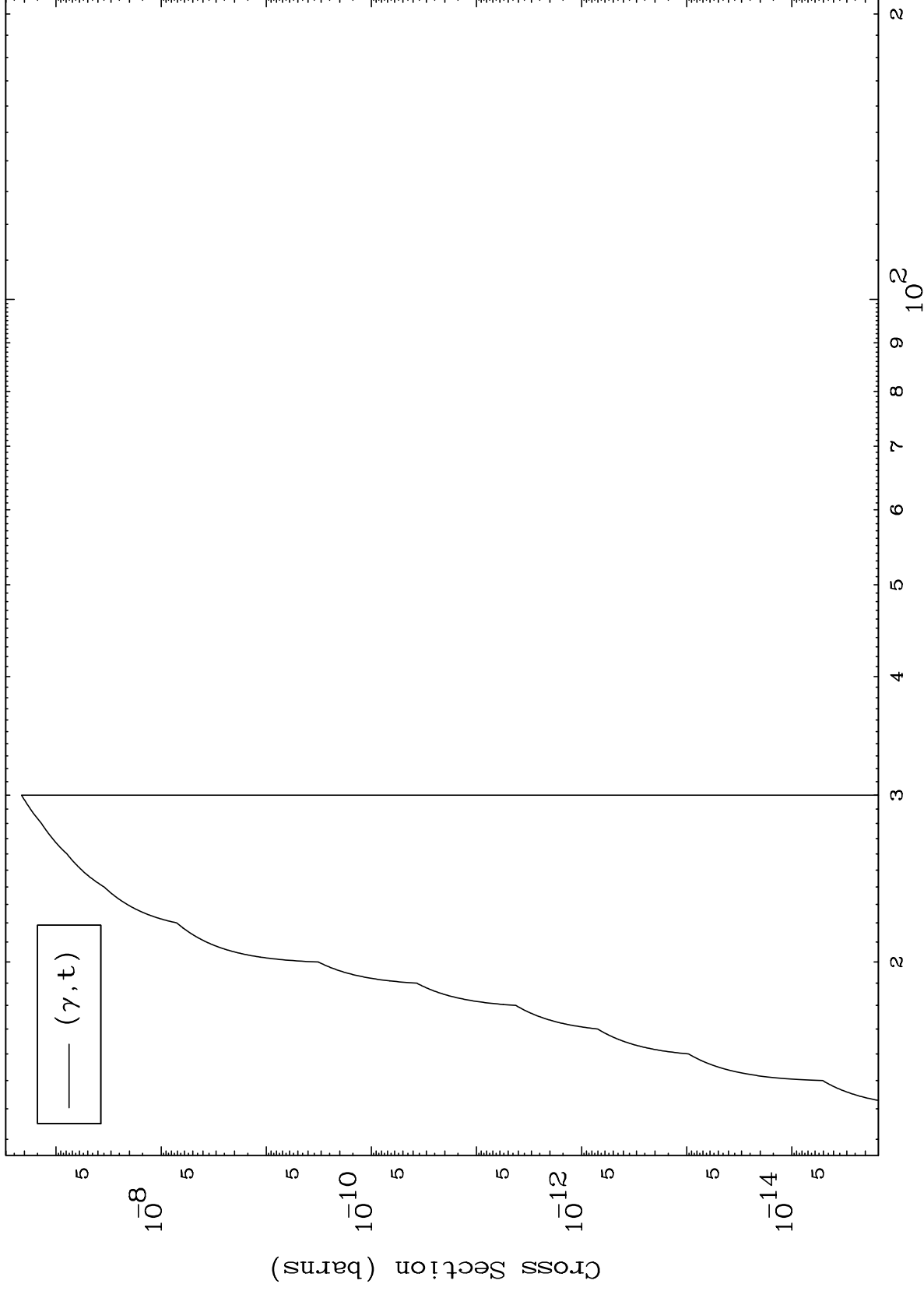


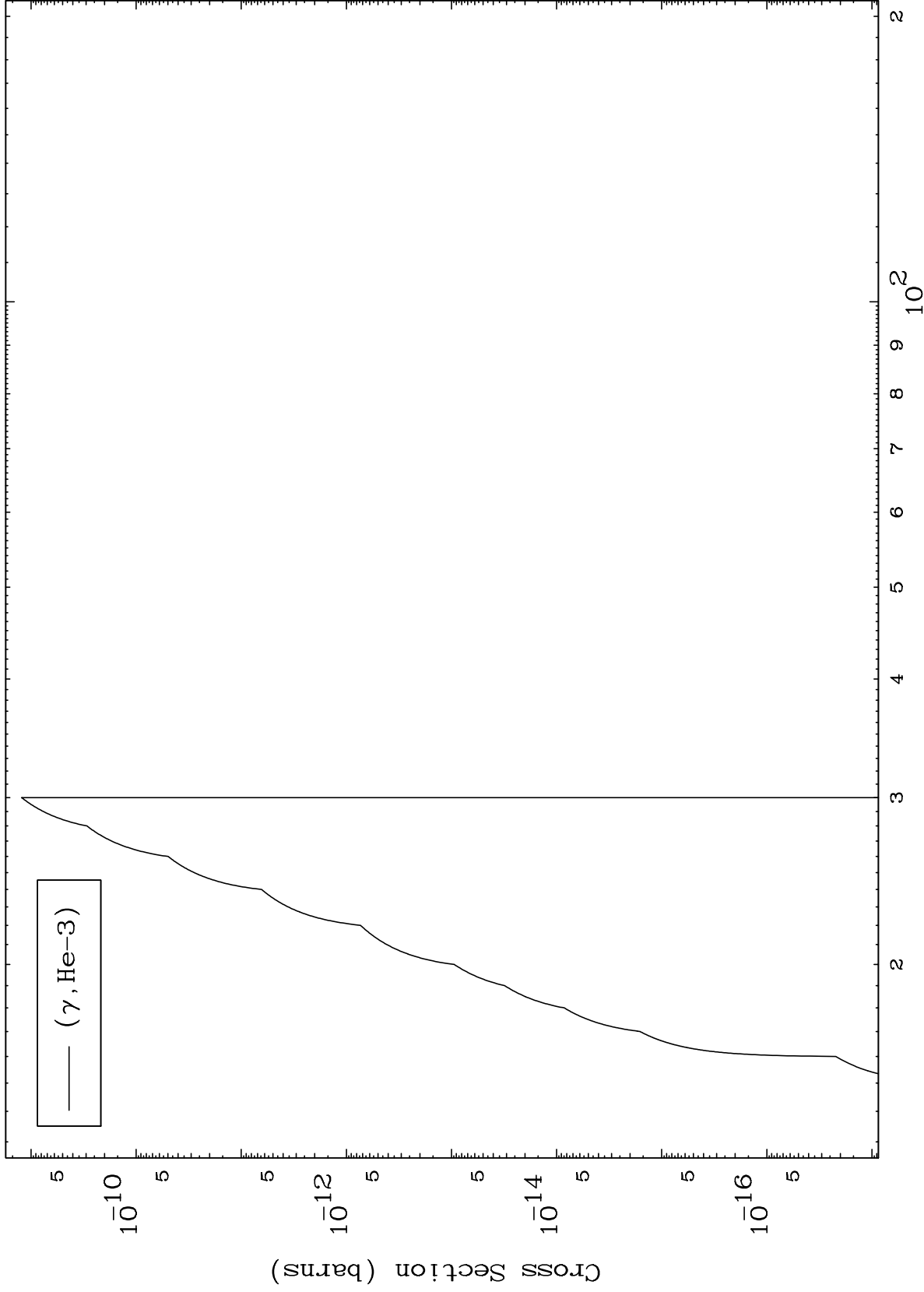
7

Incident Energy (MeV)

83-Bi-197



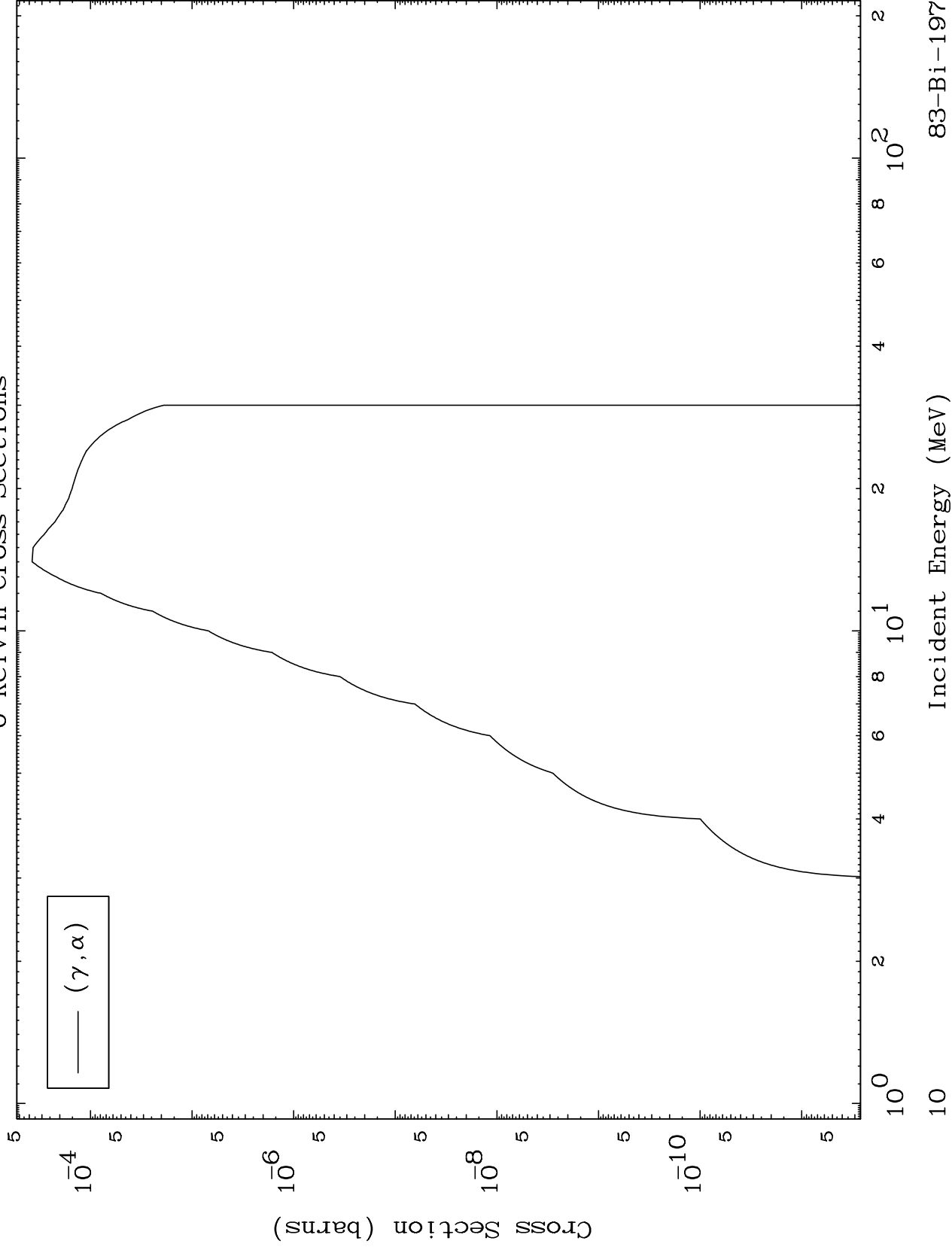




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( $\gamma, \alpha$ ) Levels  
0 Kelvin Cross Sections

83-Bi-197



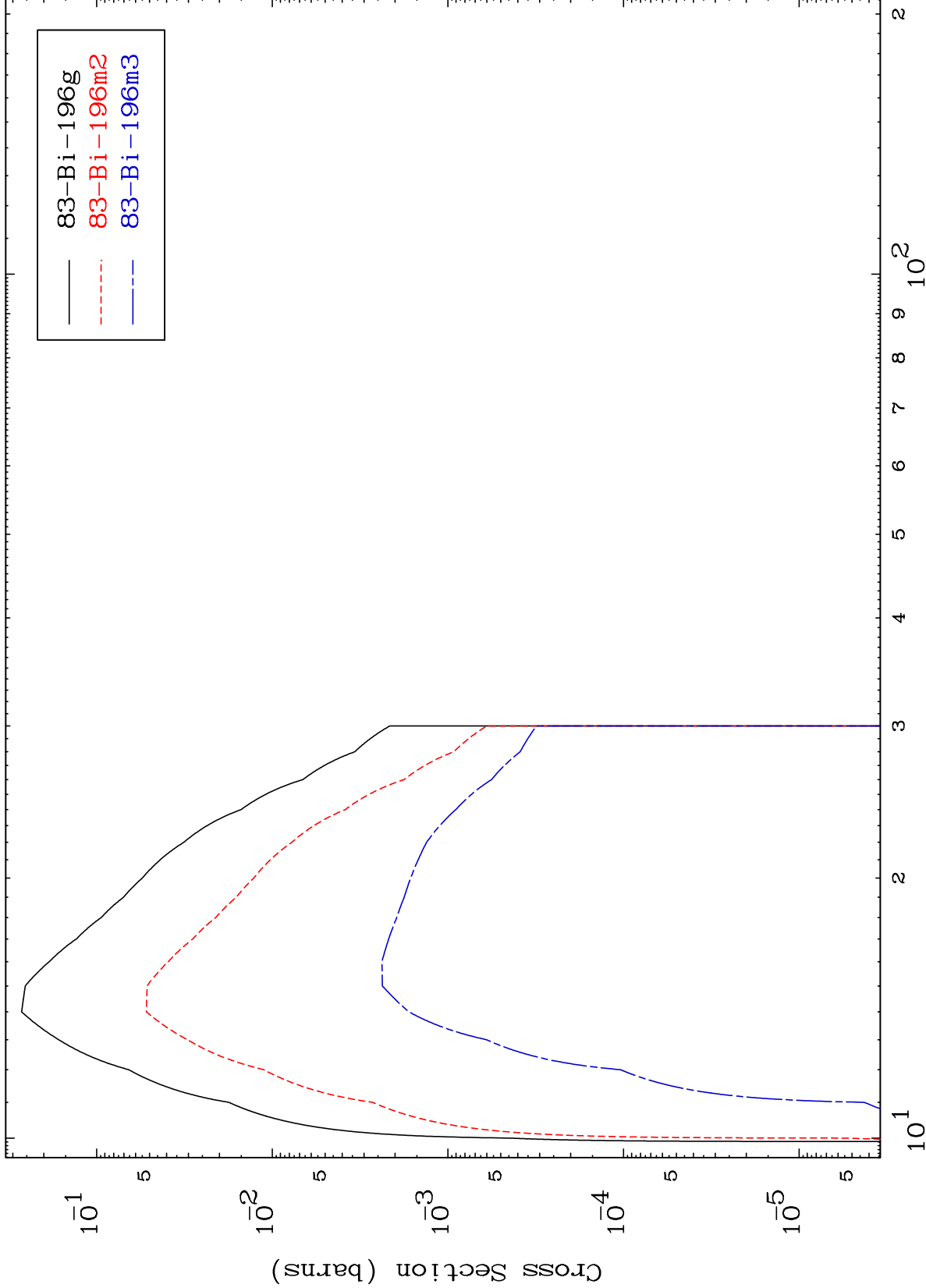
83-Bi-197

Incident Energy (MeV)

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Photon Inelastic  
Radionuclide Production Cross Section

83-Bi-197



83-Bi-196g  
83-Bi-196m2  
83-Bi-196m3

83-Bi-197

Incident Energy (MeV)

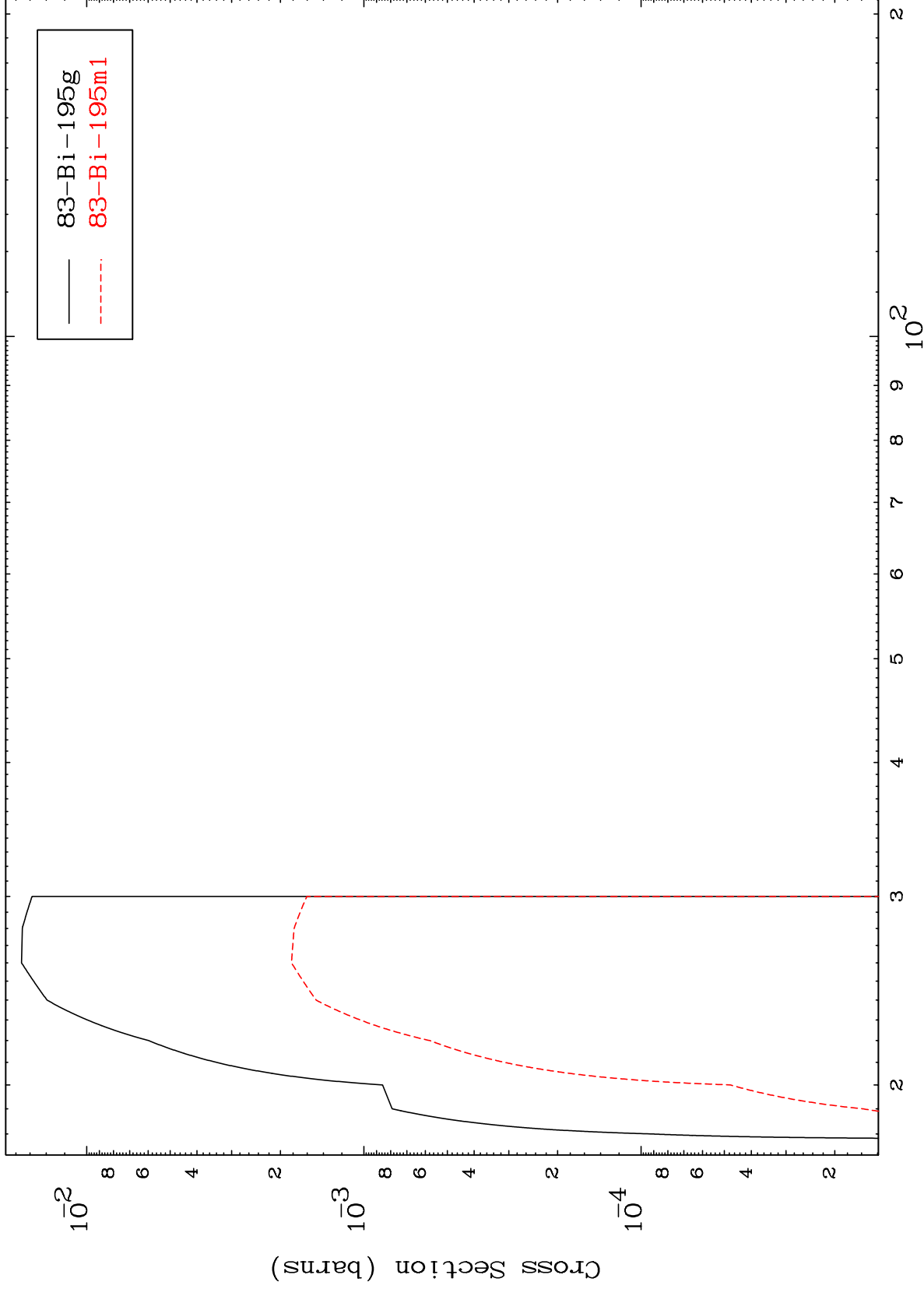
11

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( $\gamma, 2n$ )

83-Bi-197

Radionuclide Production Cross Section



12

Incident Energy (MeV)

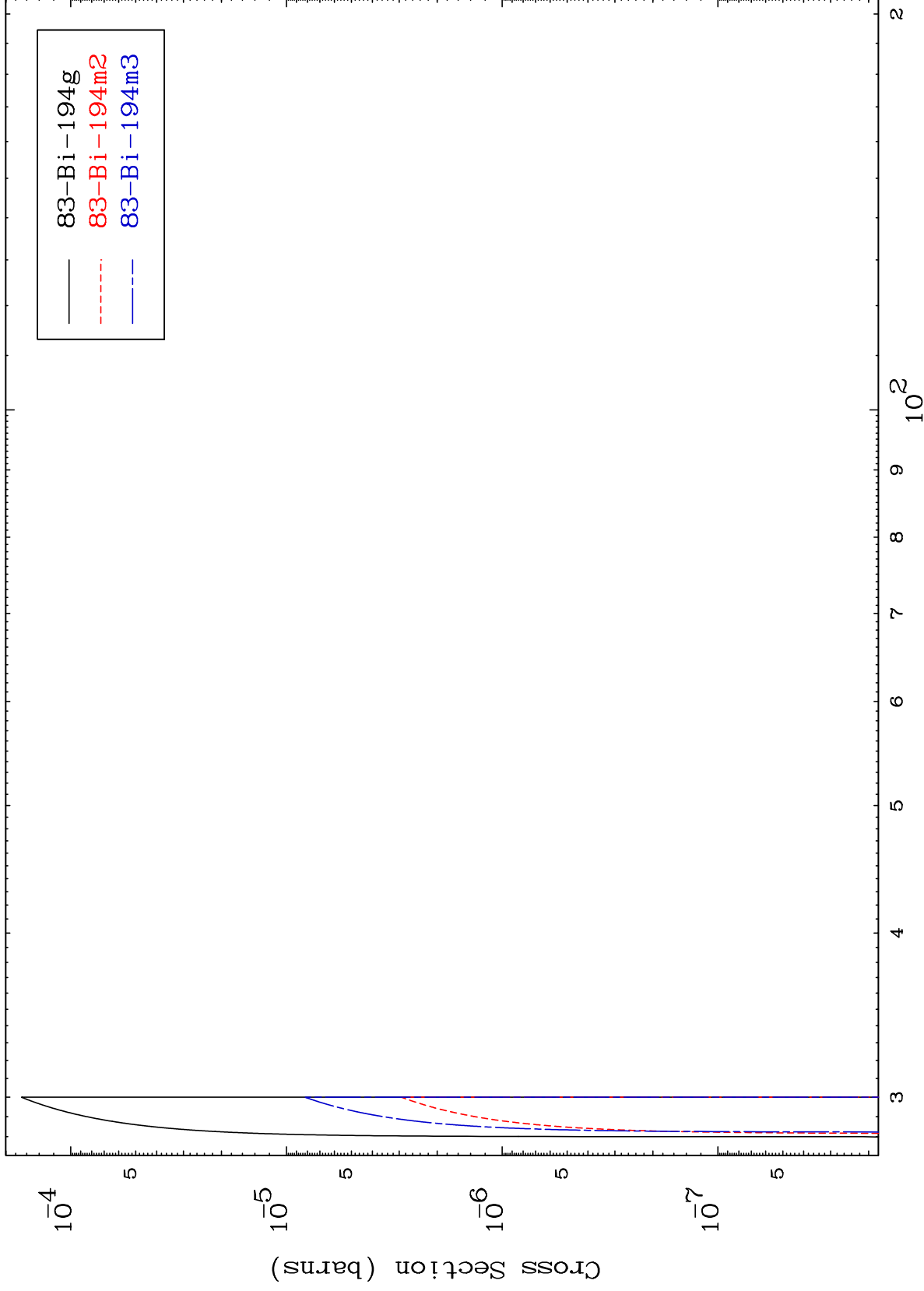
83-Bi-197

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( $\gamma, 3n$ )

83-Bi-197

Radionuclide Production Cross Section



13

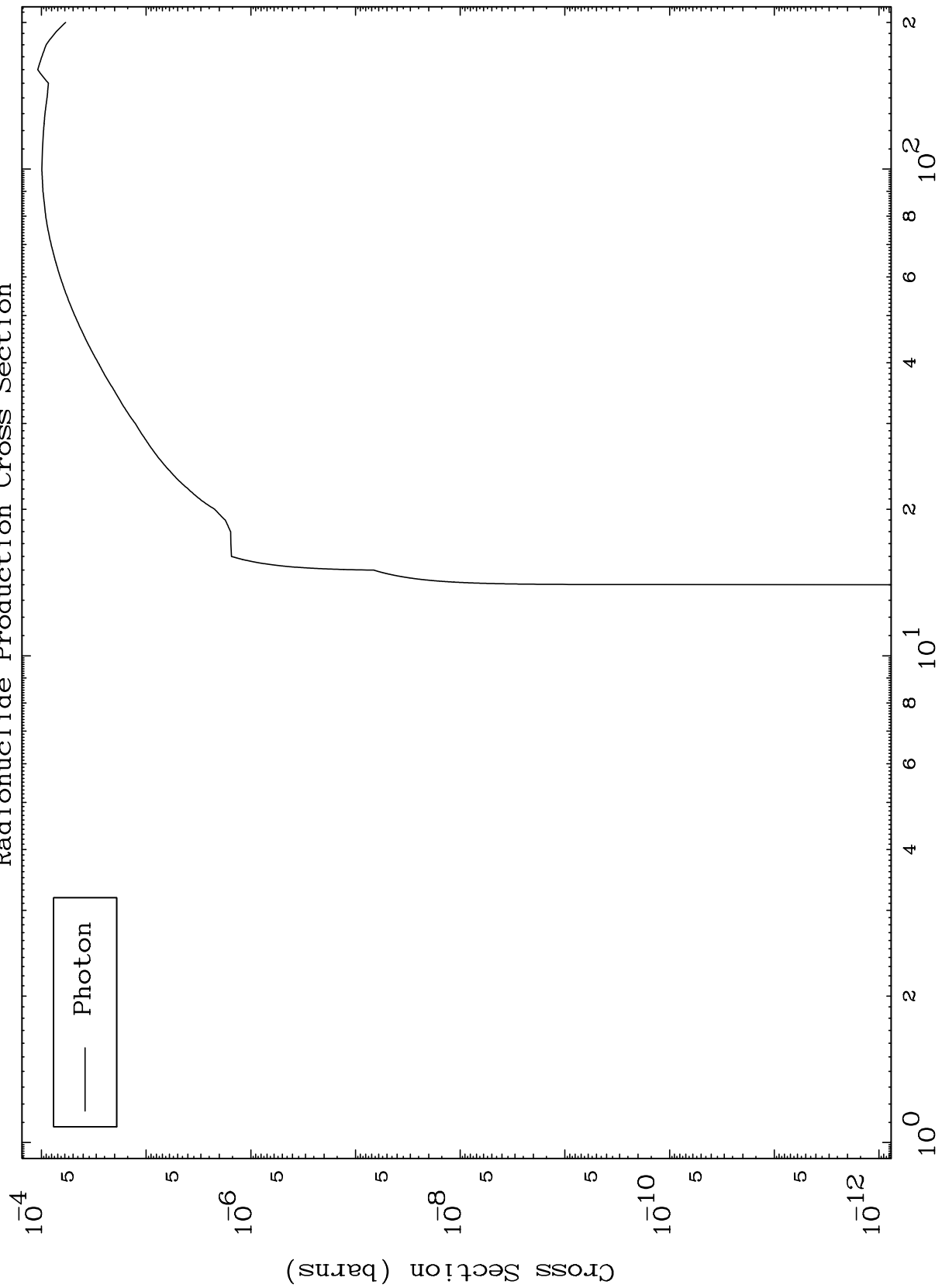
Incident Energy (MeV)

83-Bi-197

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83-Bi-197

Photon Fission  
Radionuclide Production Cross Section



83-Bi-197

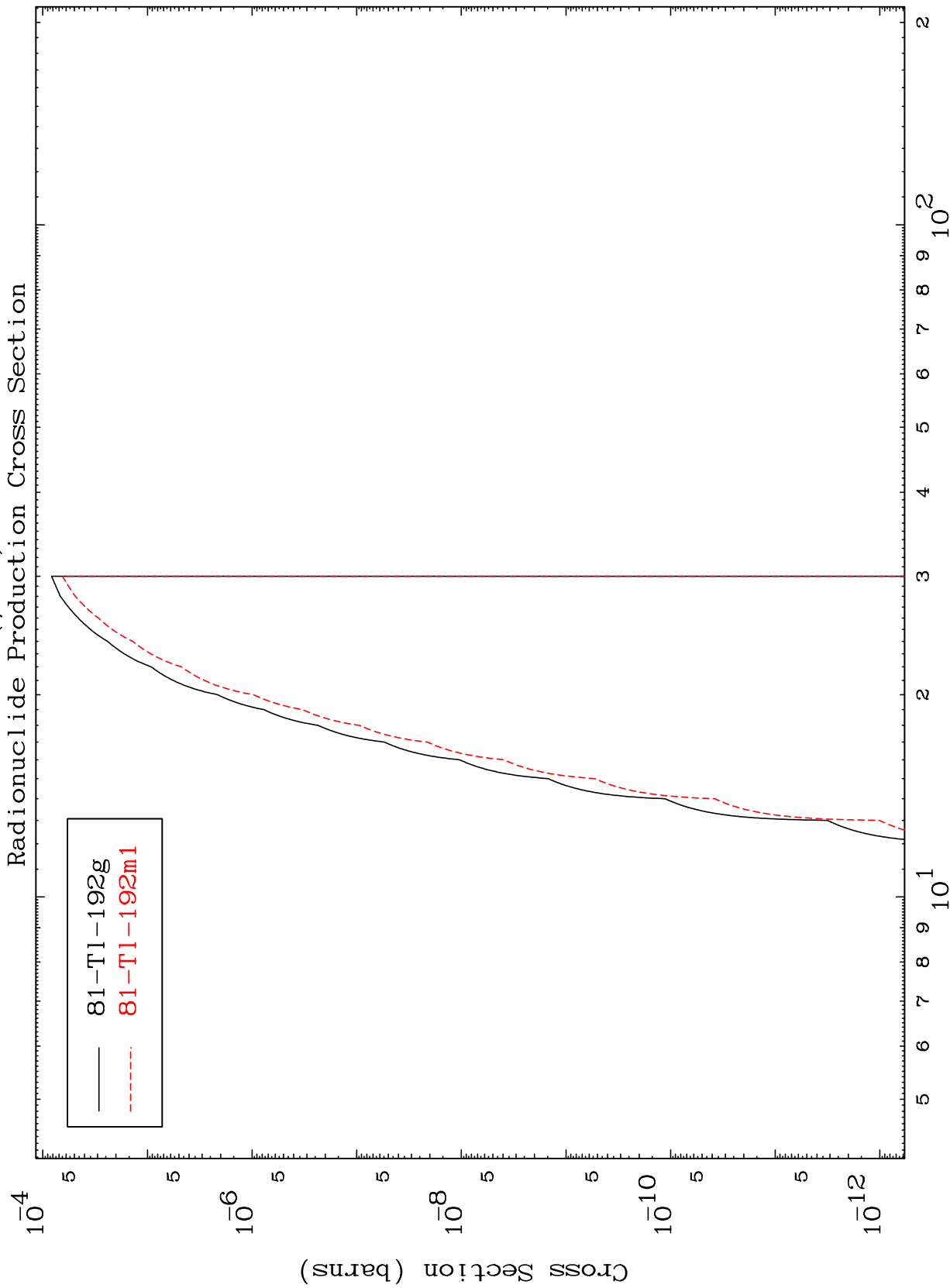
Incident Energy (MeV)

14

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

83-Bi-197



15

Incident Energy (MeV)

83-Bi-197

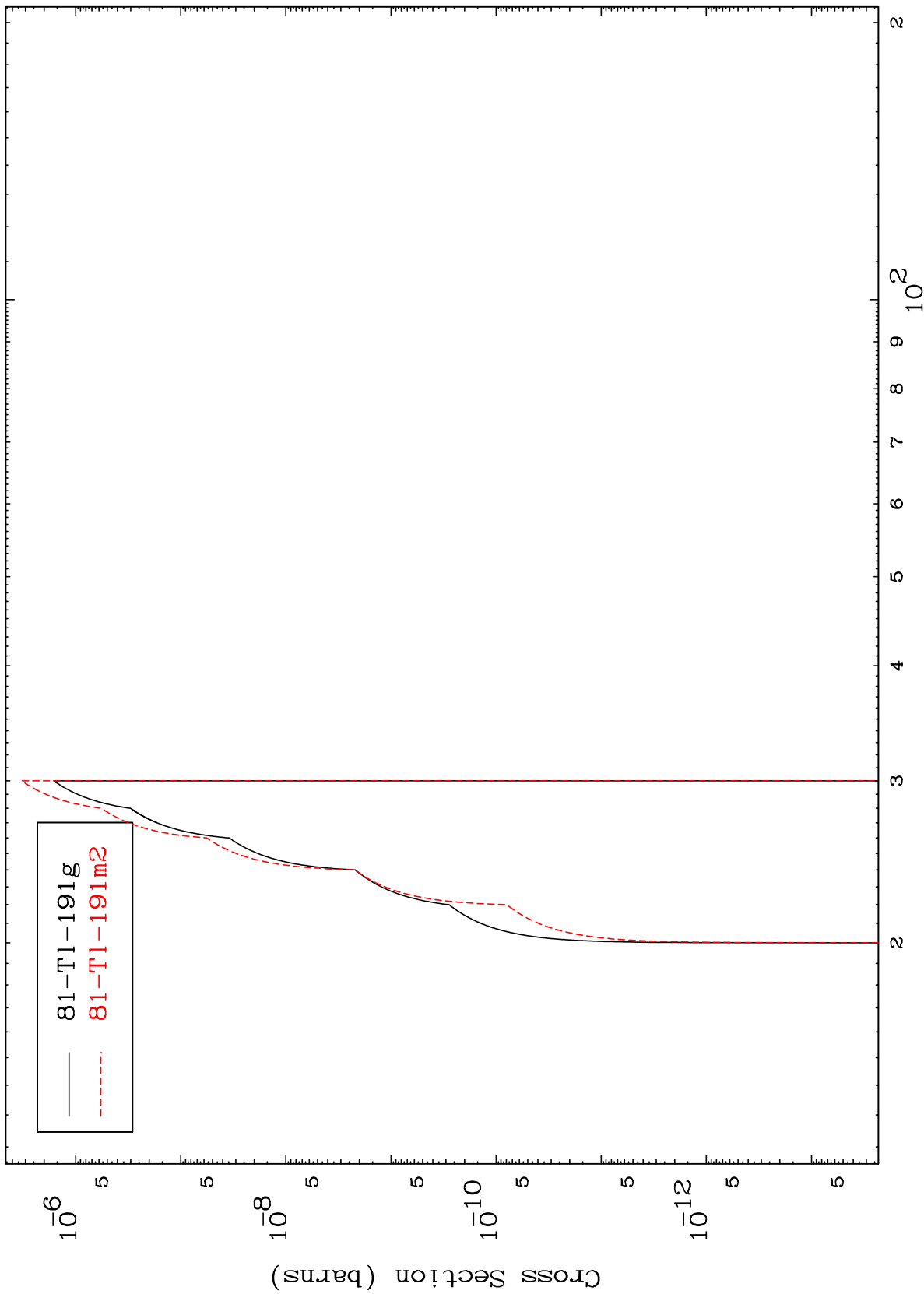


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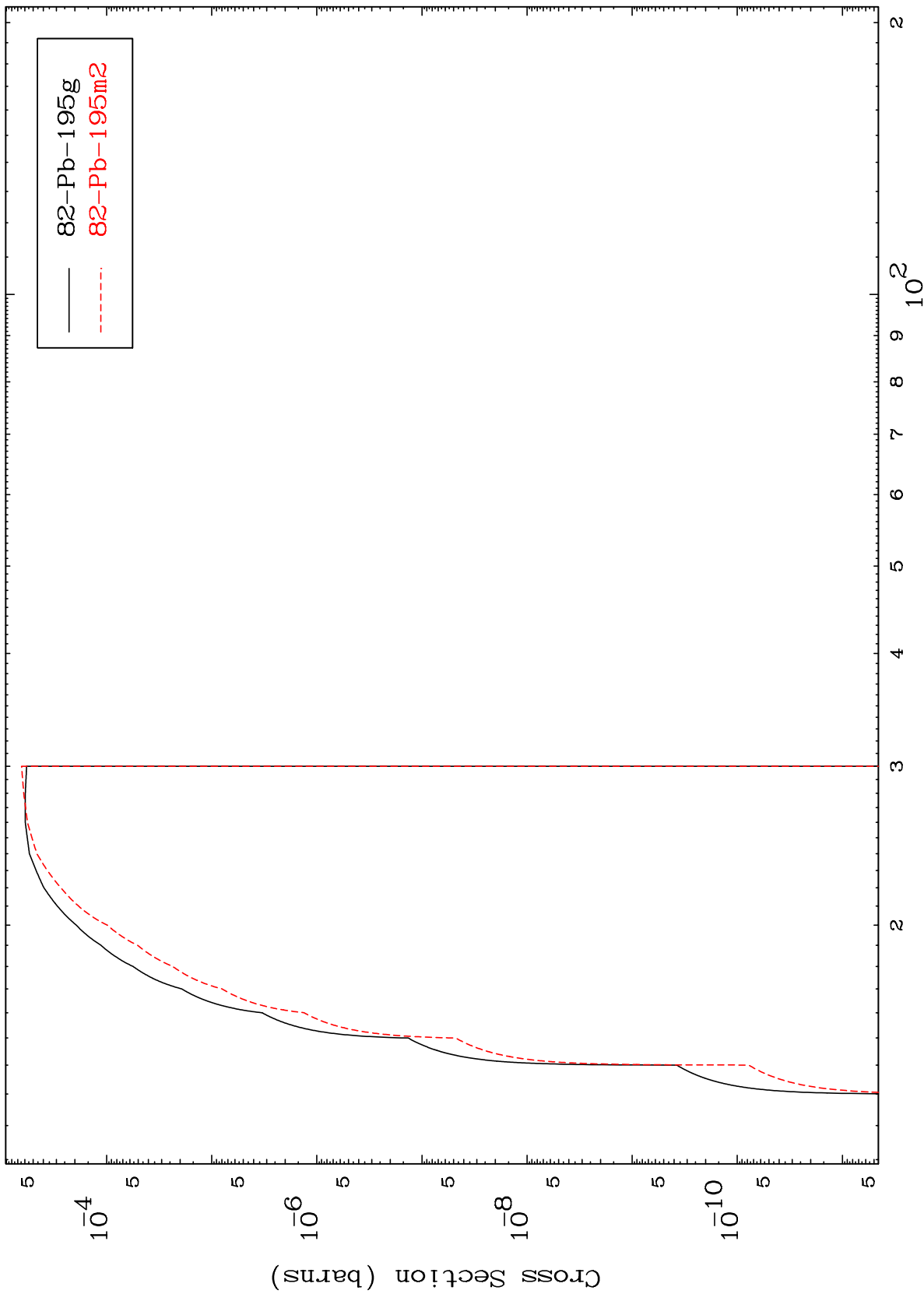
( $\gamma, 2n$ )  $\alpha$

83-Bi-197

Radionuclide Production Cross Section



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

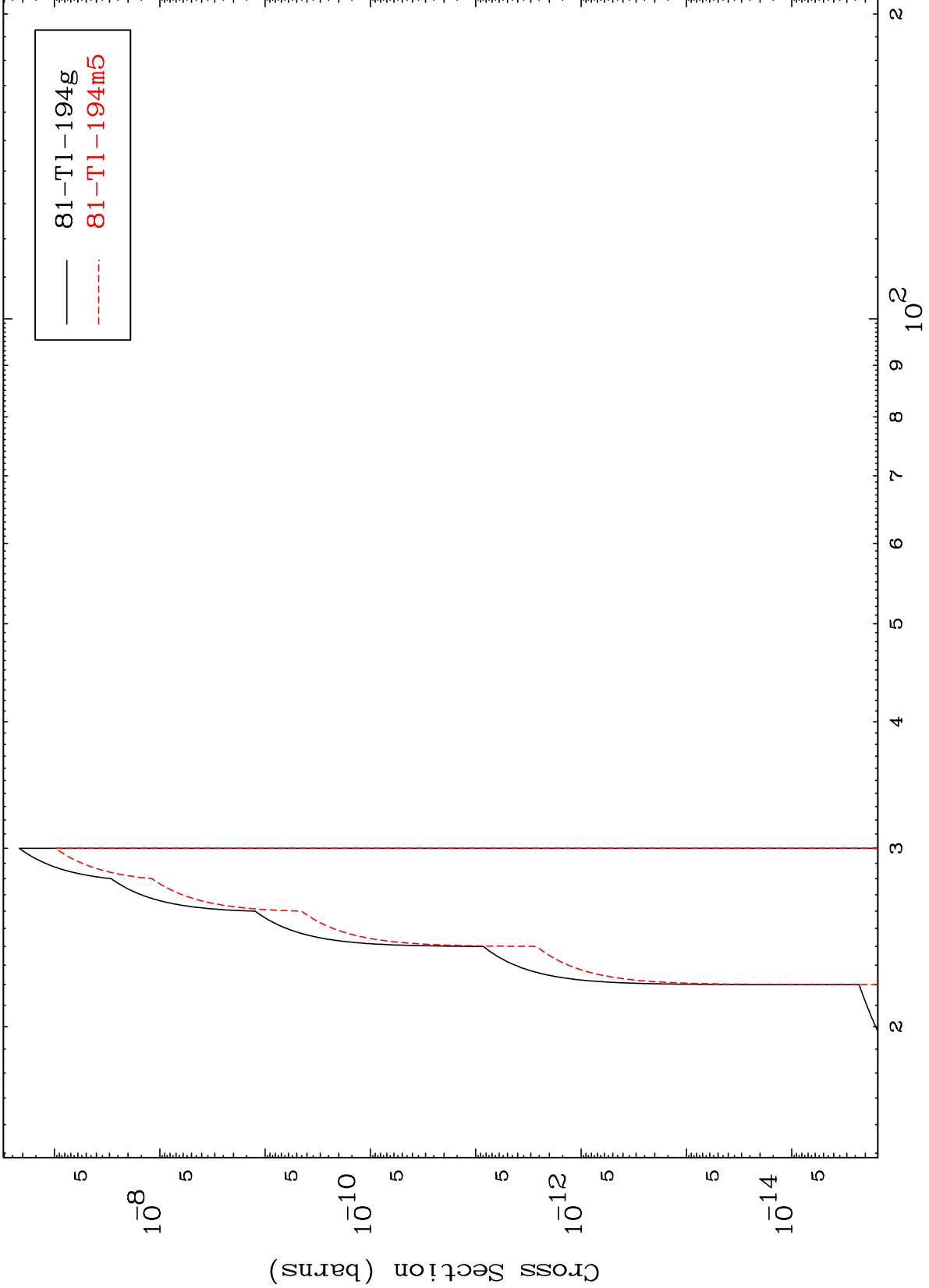


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$(\gamma, 2n)$  p

83-Bi-197

Radionuclide Production Cross Section



18

Incident Energy (MeV)

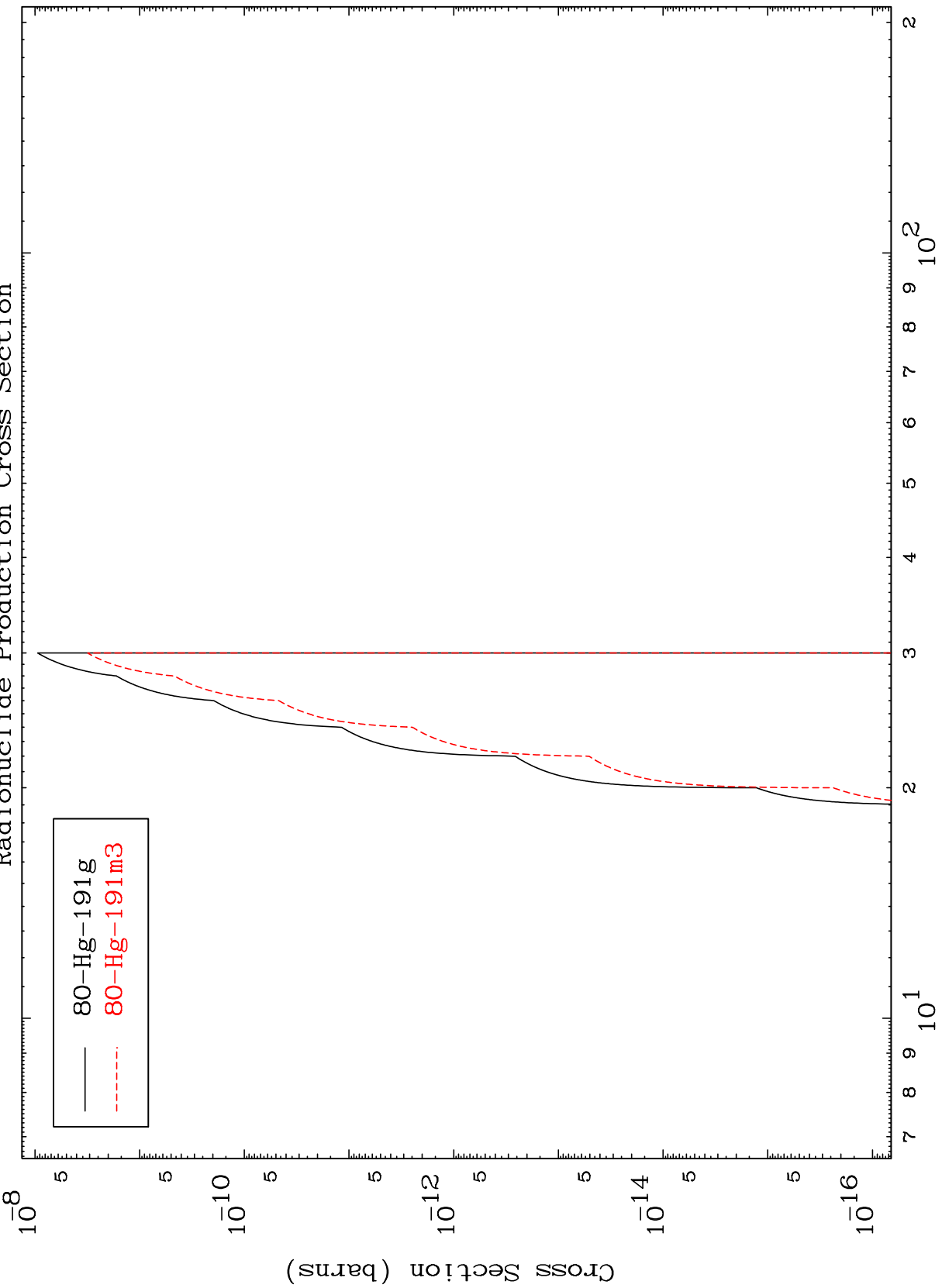
83-Bi-197

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

83-Bi-197

Radionuclide Production Cross Section



19

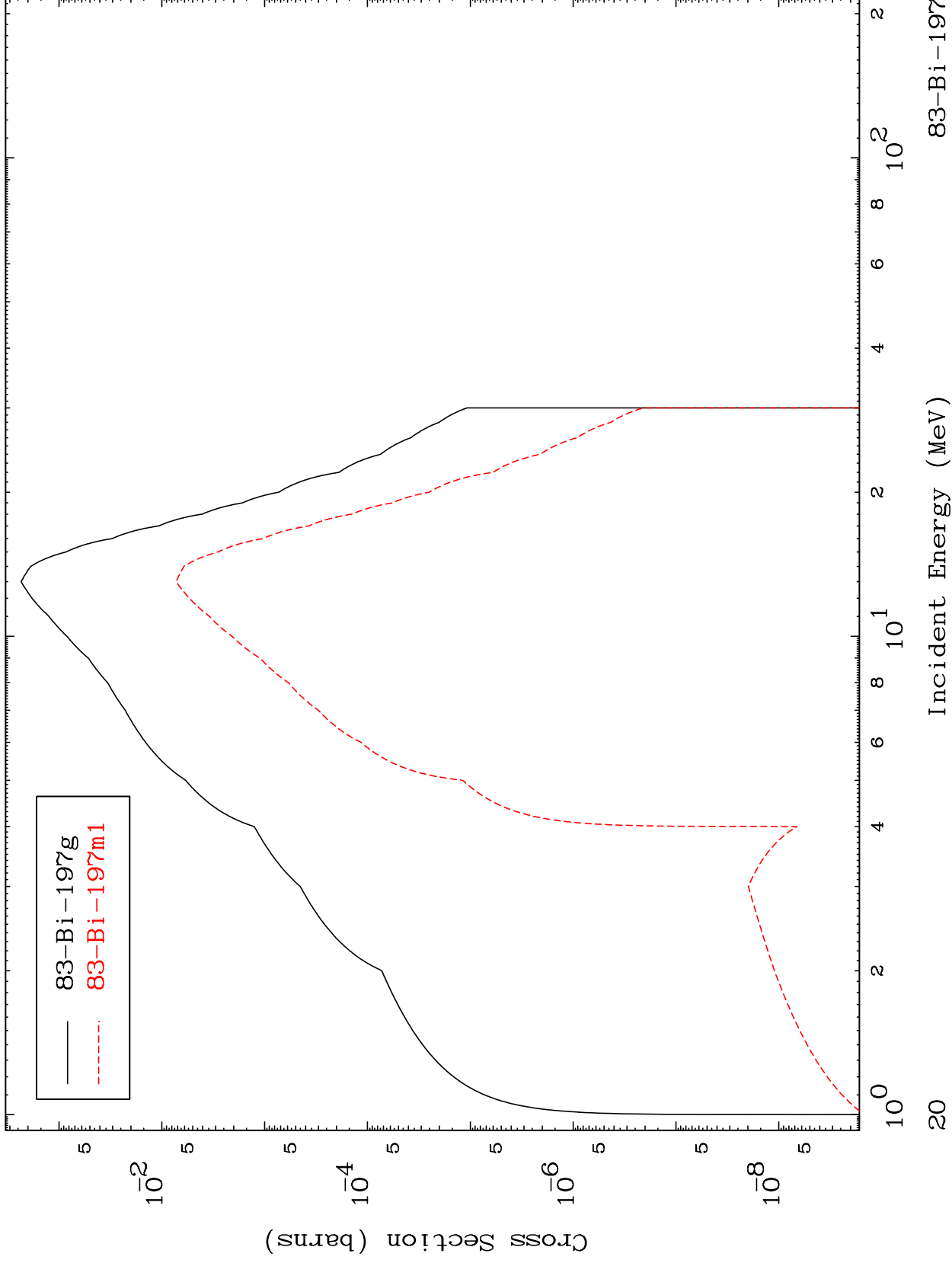
Incident Energy (MeV)

83-Bi-197

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83-Bi-197

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



83-Bi-197

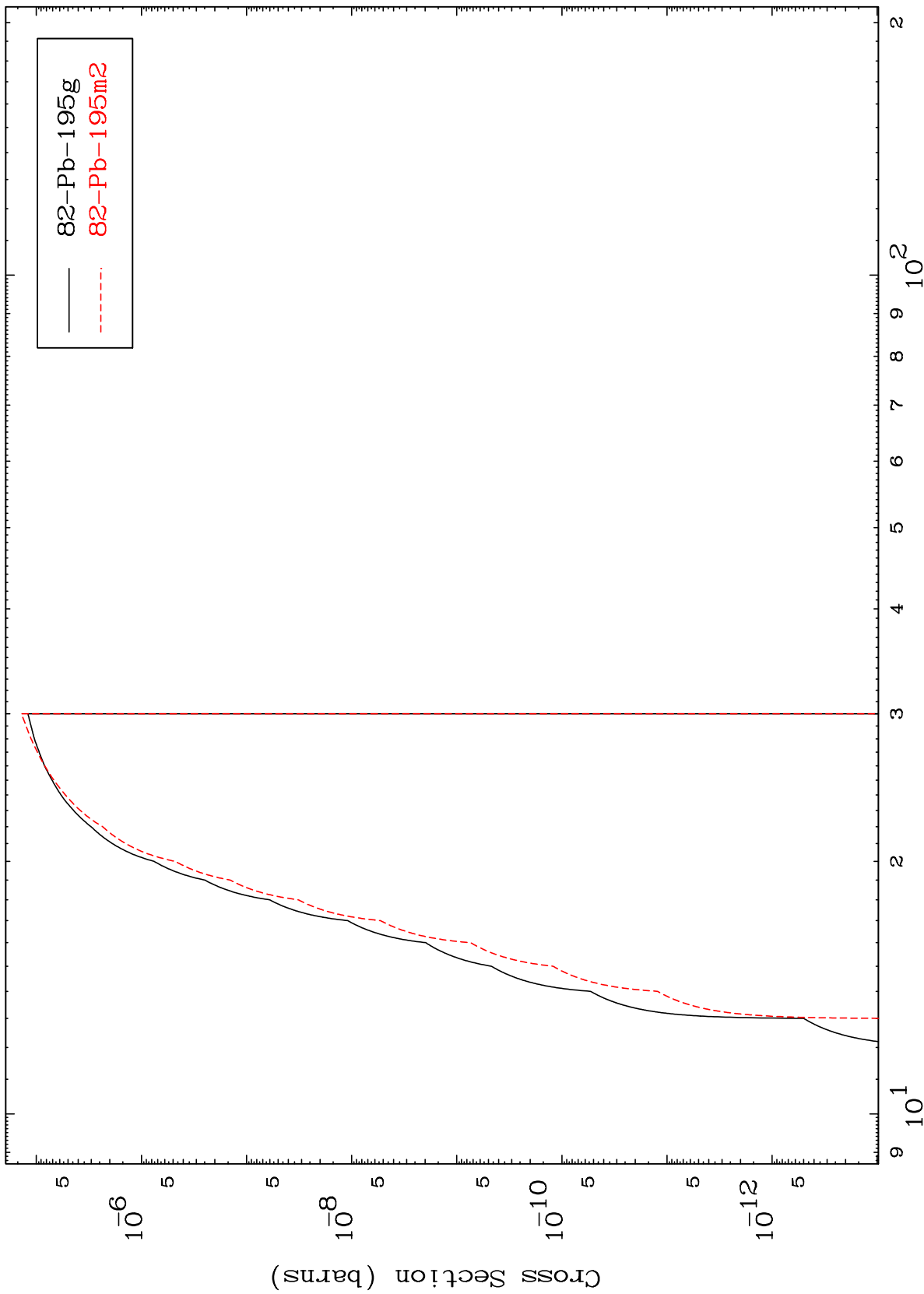
Incident Energy (MeV)

20

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83-Bi-197

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



83-Bi-197

Incident Energy (MeV)

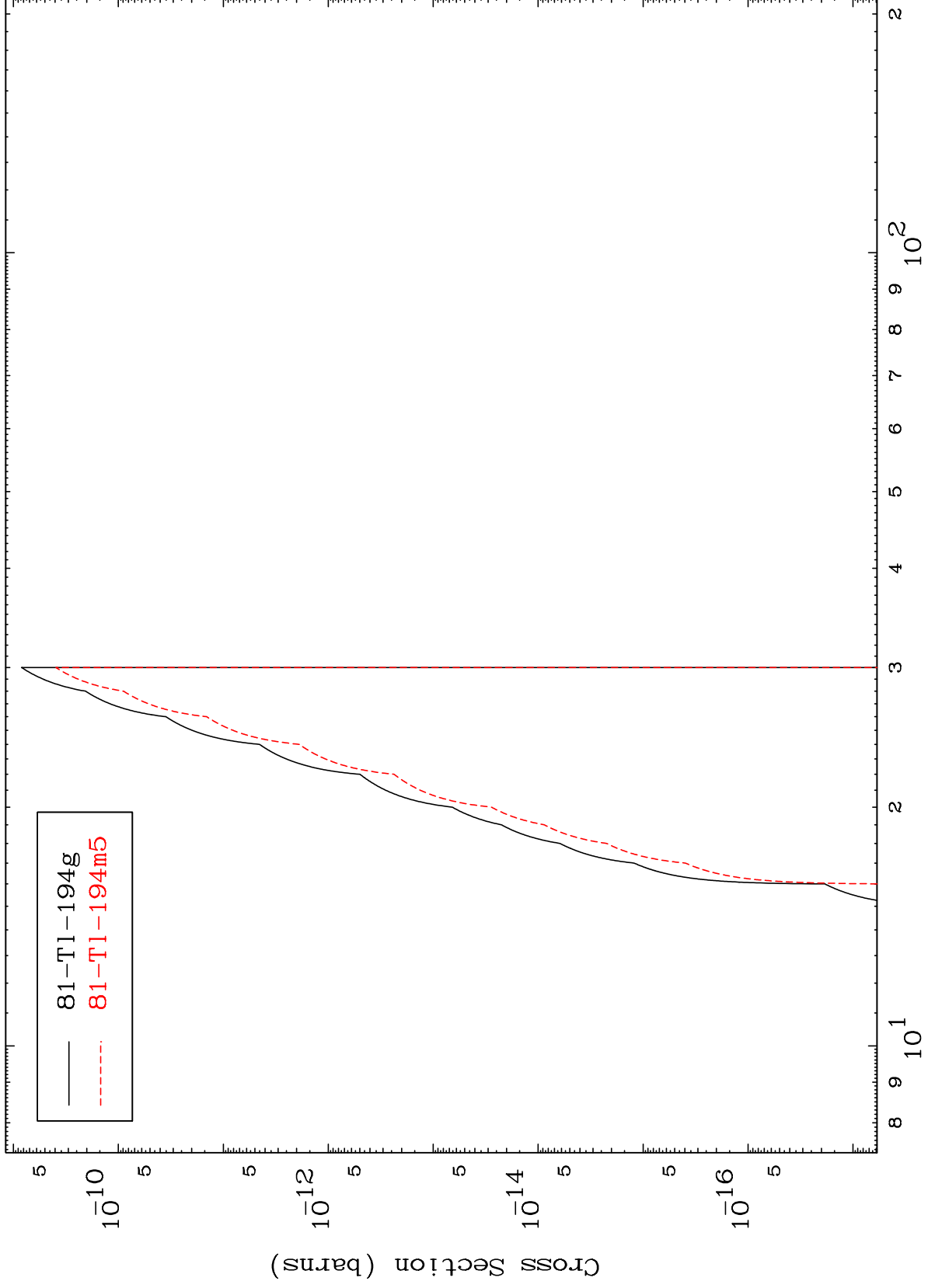
21

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

83-Bi-197

Radionuclide Production Cross Section



22

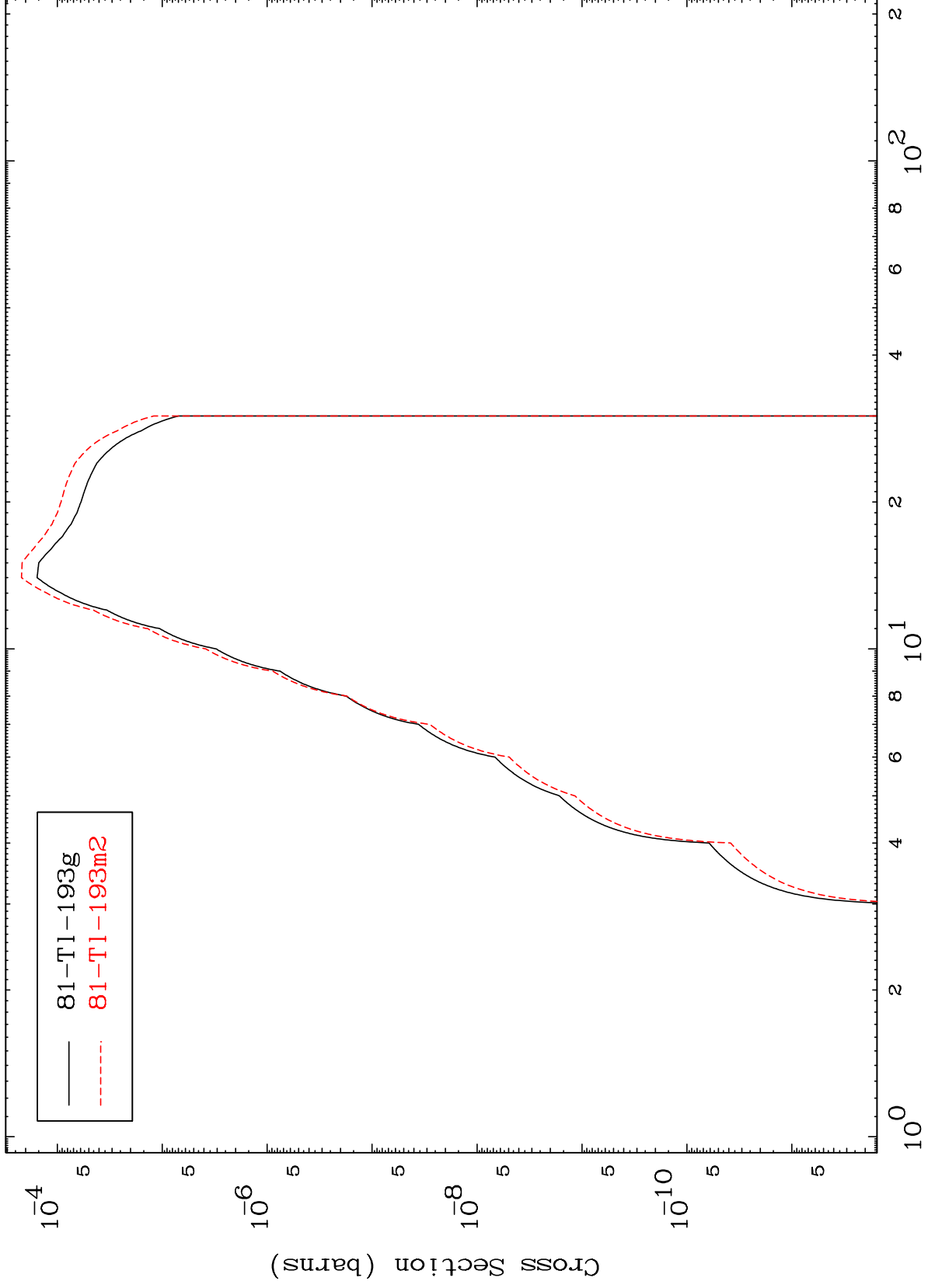
Incident Energy (MeV)

83-Bi-197

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83-Bi-197

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



Incident Energy (MeV)

83-Bi-197

23

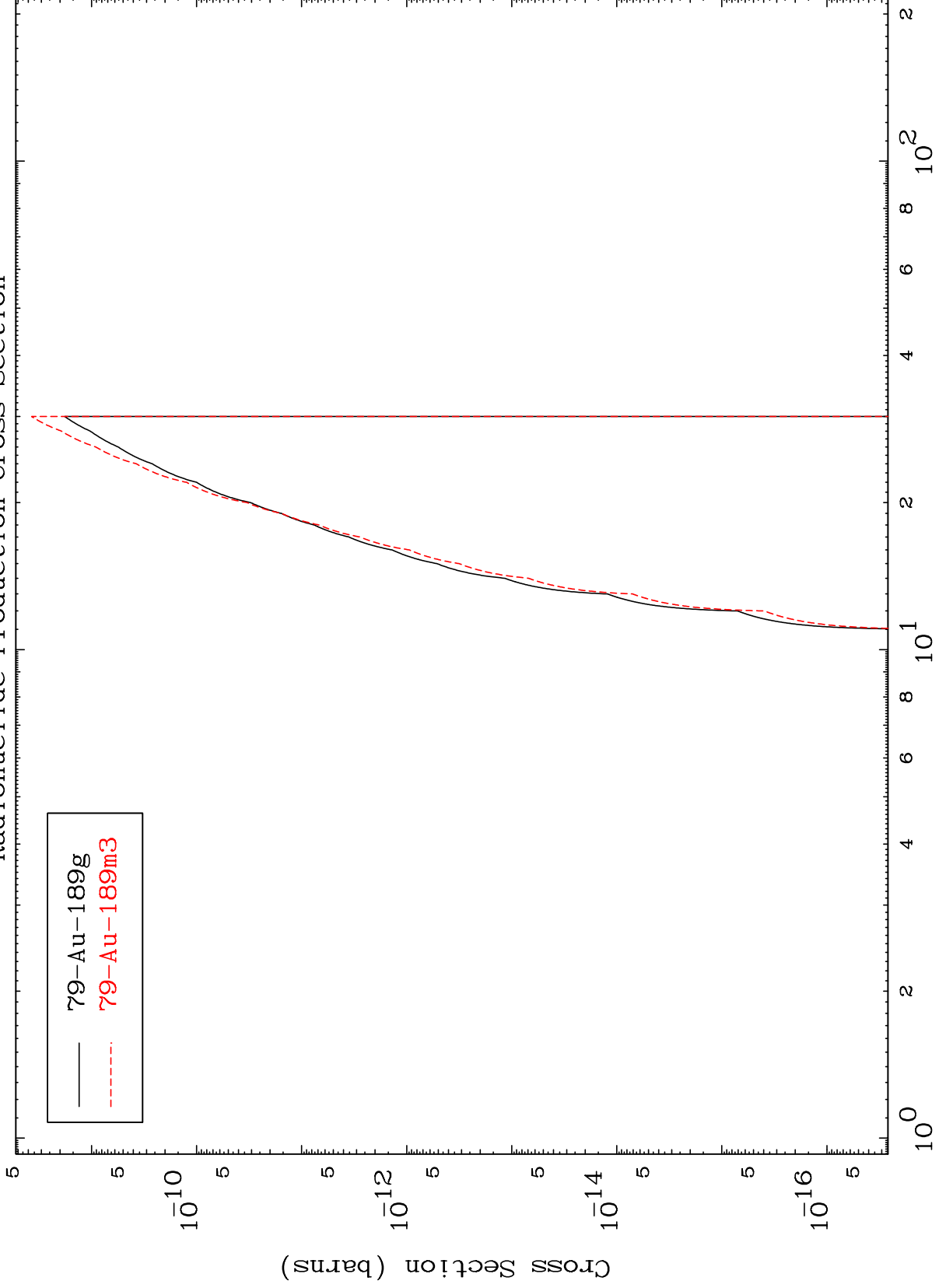


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( $\gamma, 2\alpha$ )

83-Bi-197

Radionuclide Production Cross Section



Incident Energy (MeV)

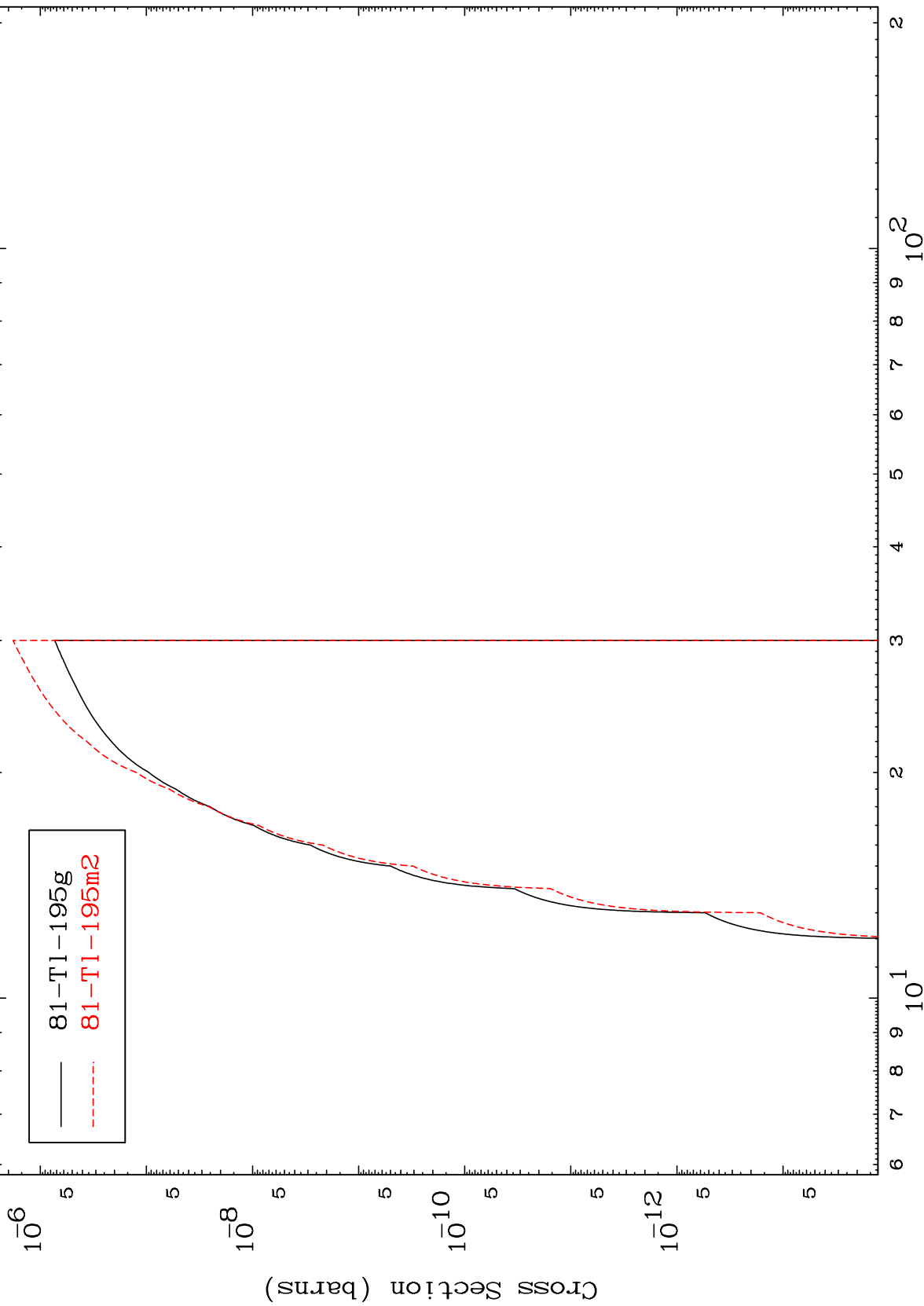
83-Bi-197

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83-Bi-197

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



25

Incident Energy (MeV)

83-Bi-197

Radionuclide Production Cross Section

