

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

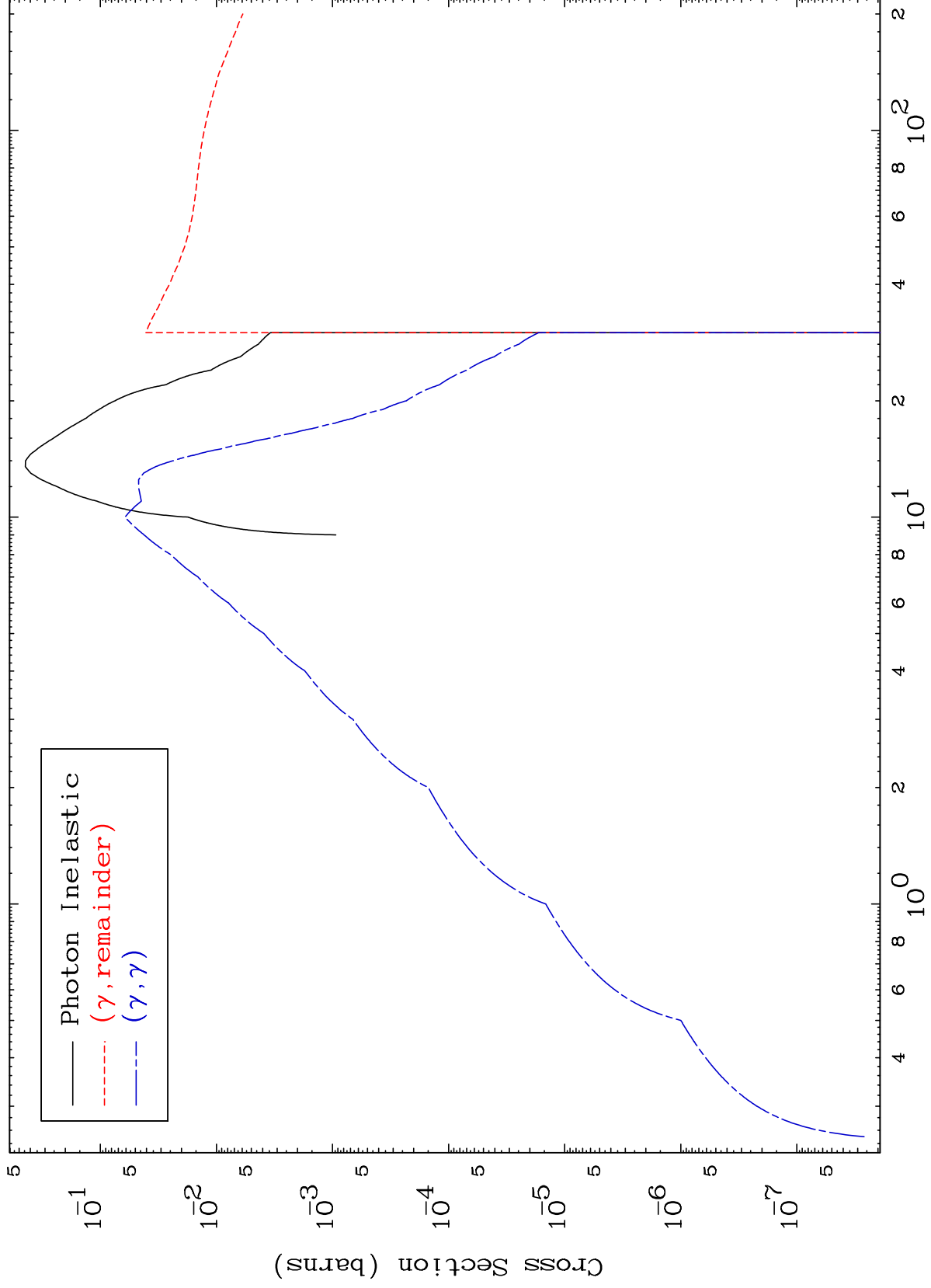
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Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

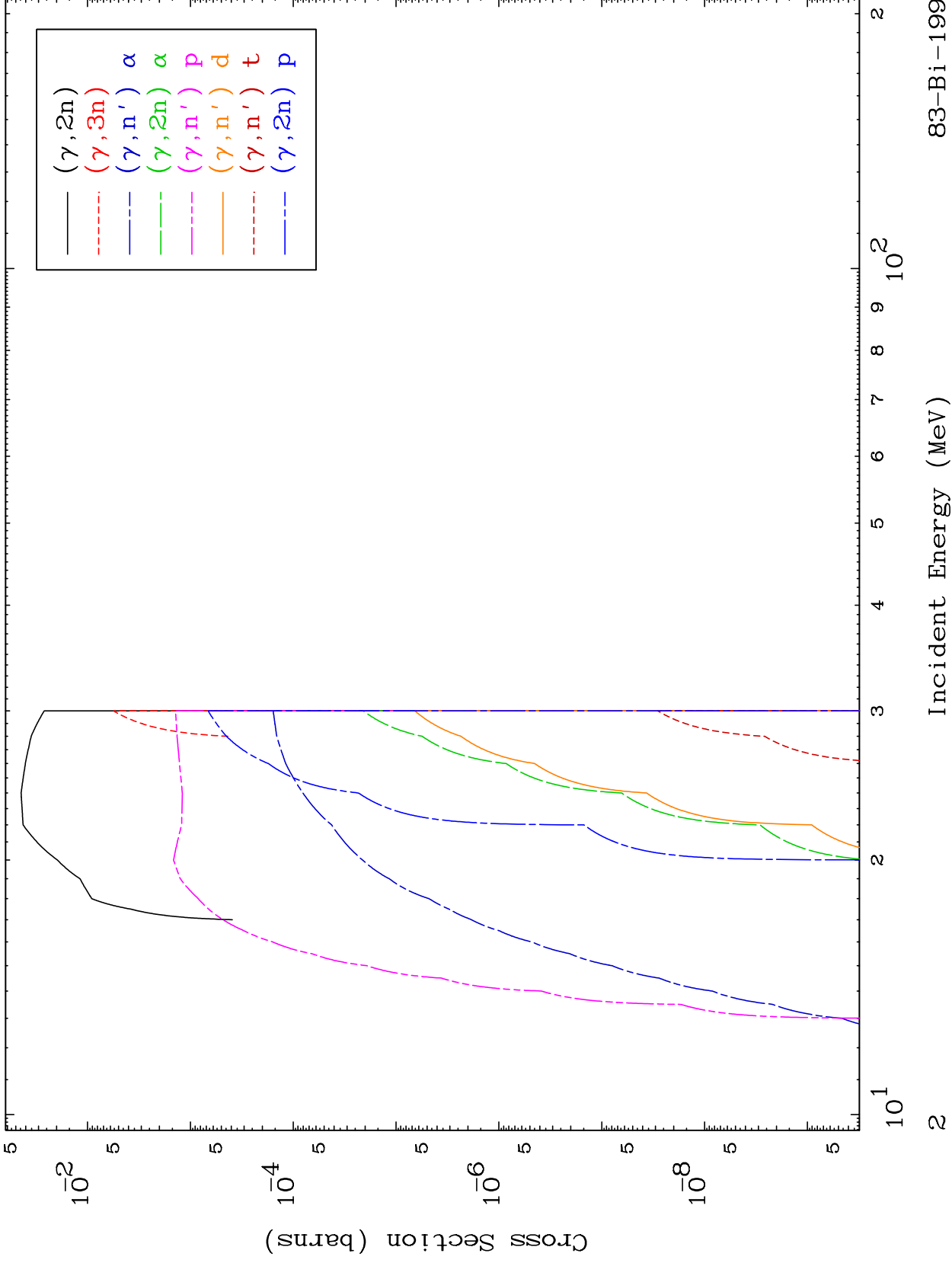


— Photon Inelastic
- - - (γ, remainder)
- · - (γ, γ)

MAT 8296

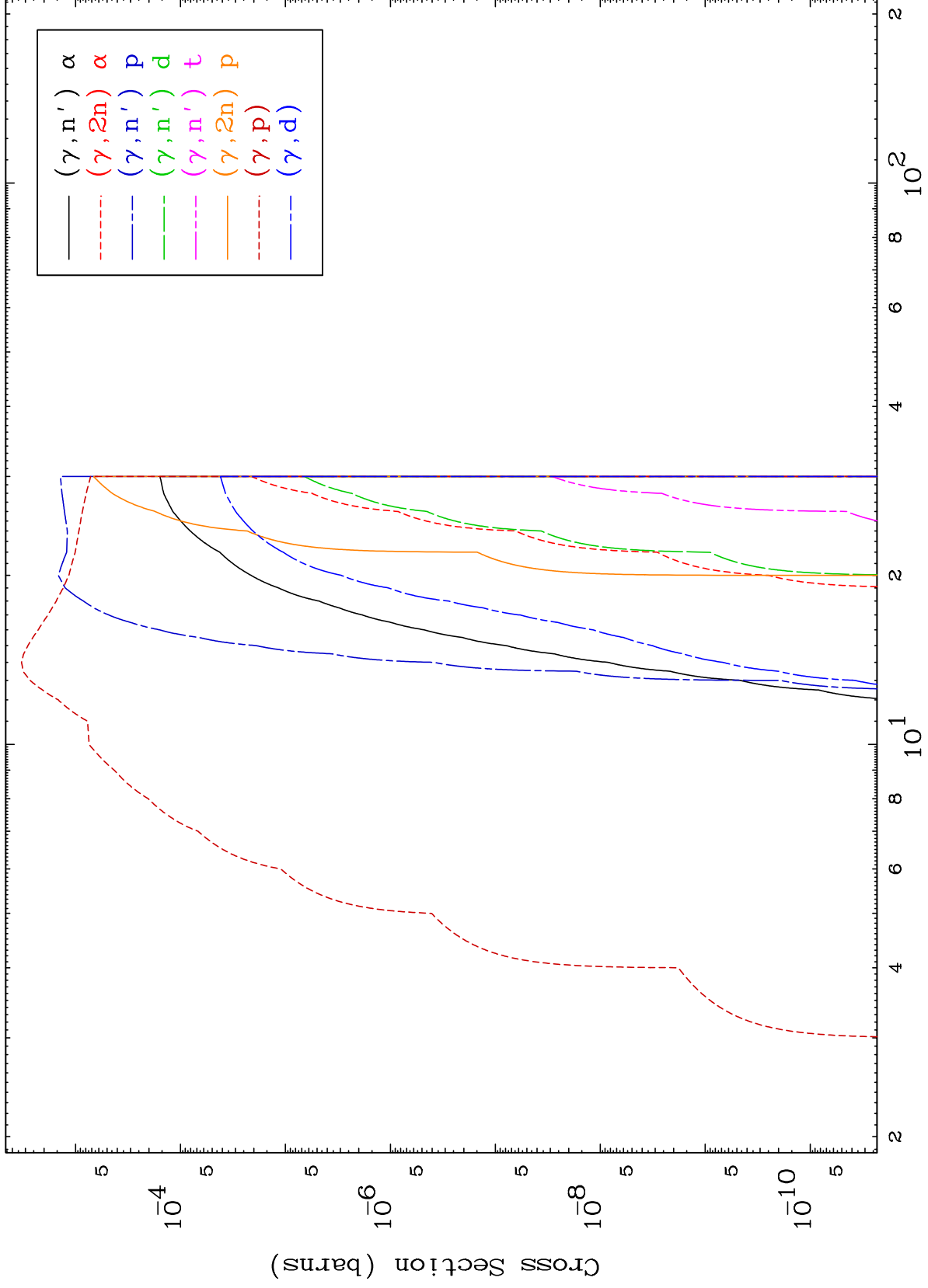
Photon Neutron Production
0 Kelvin Cross Sections

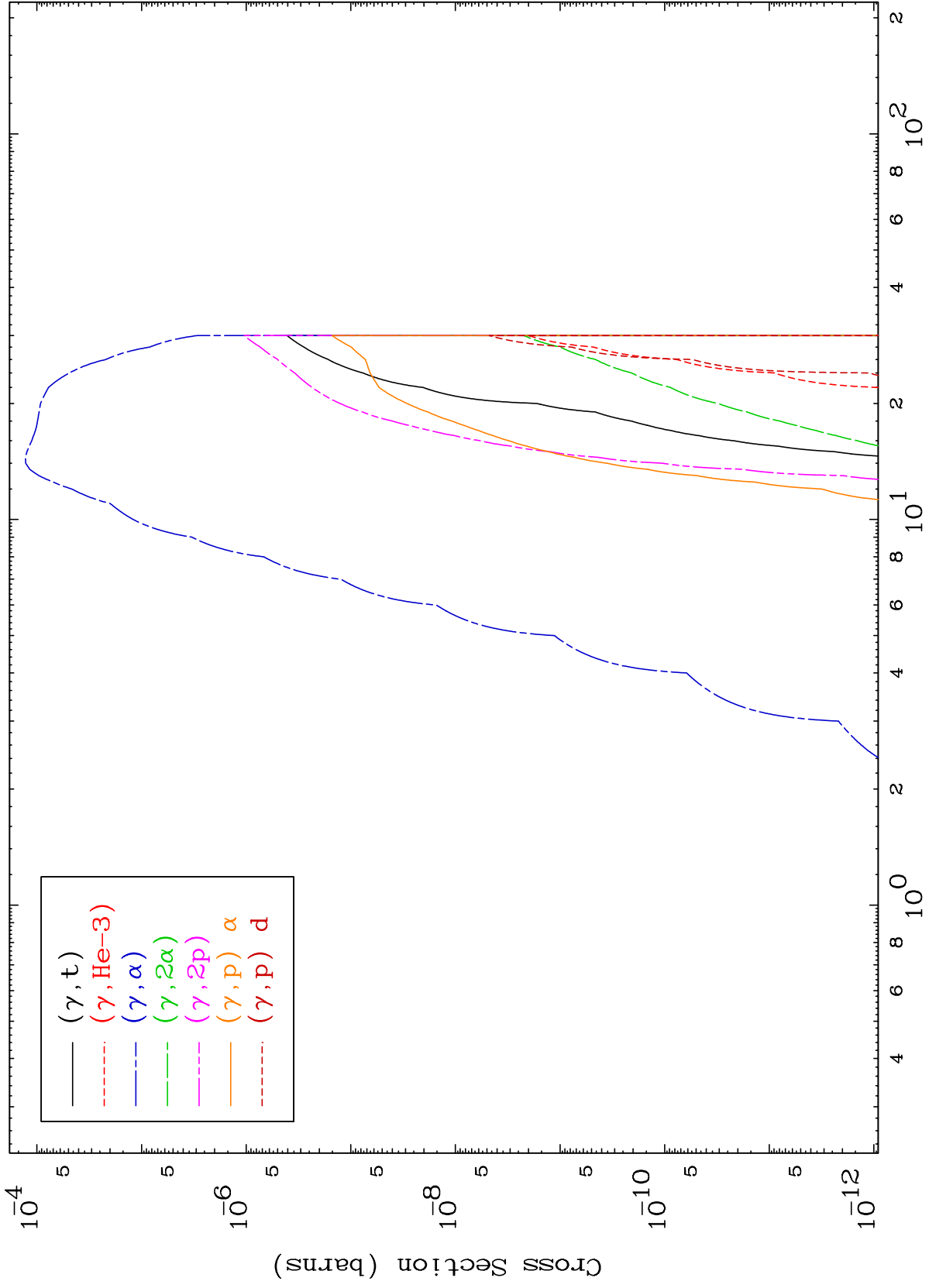
83-Bi-199



83-Bi-199

Incident Energy (MeV)



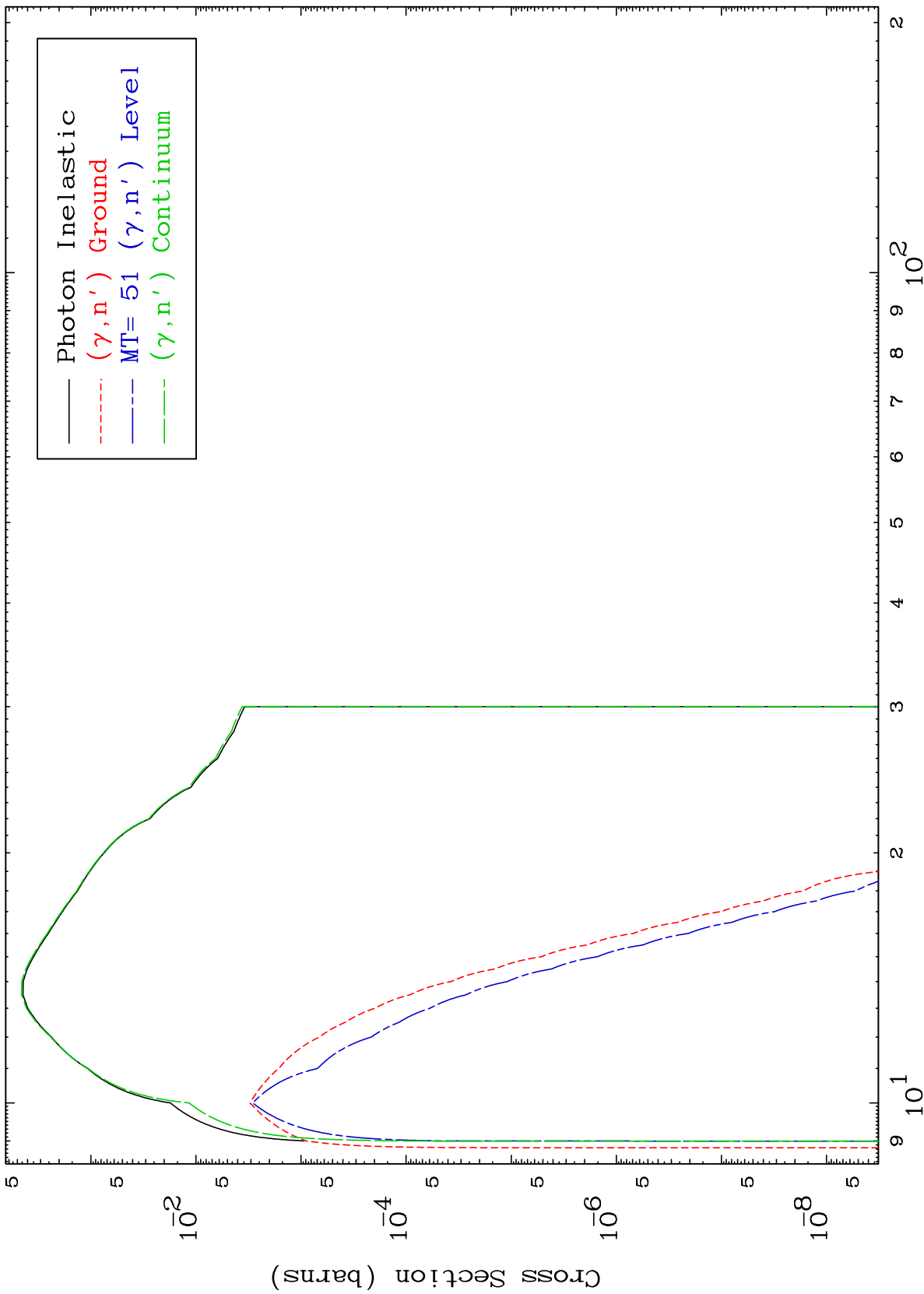


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(γ, n') Level

83-Bi-199

0 Kelvin Cross Sections



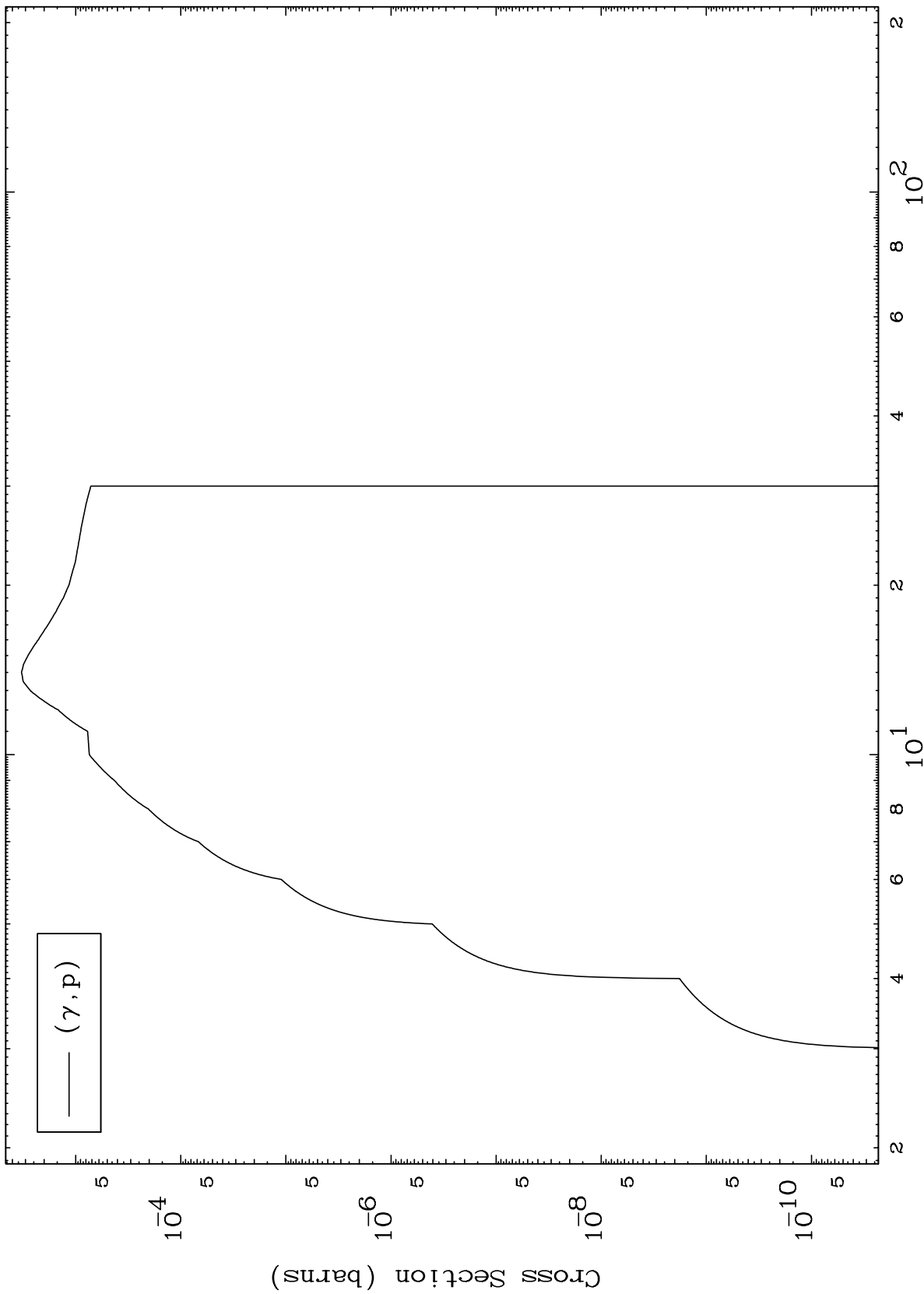
Incident Energy (MeV)

83-Bi-199

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83-Bi-199

(γ, p) Levels
0 Kelvin Cross Sections



83-Bi-199

Incident Energy (MeV)

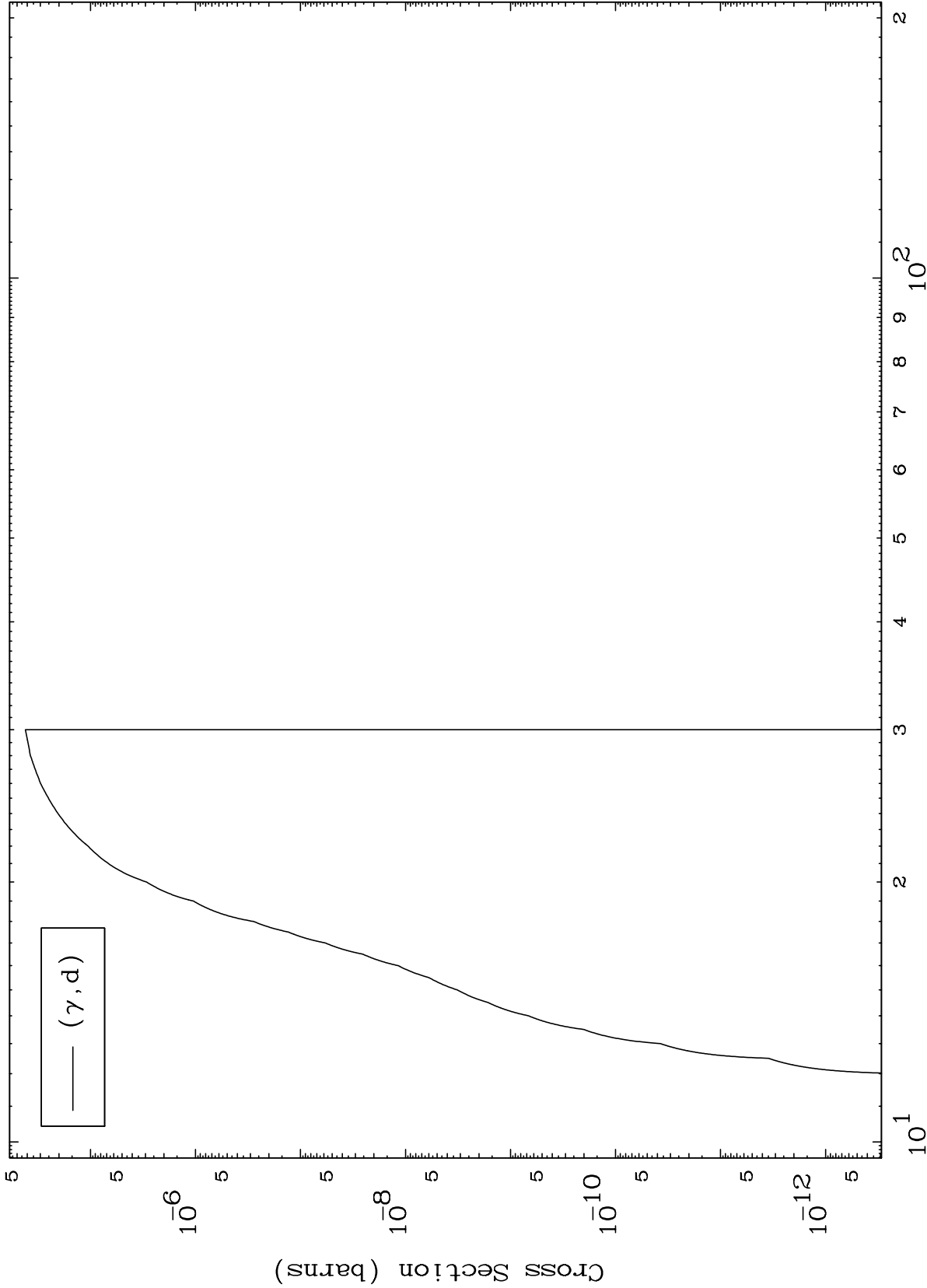
6

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(γ, d) Levels

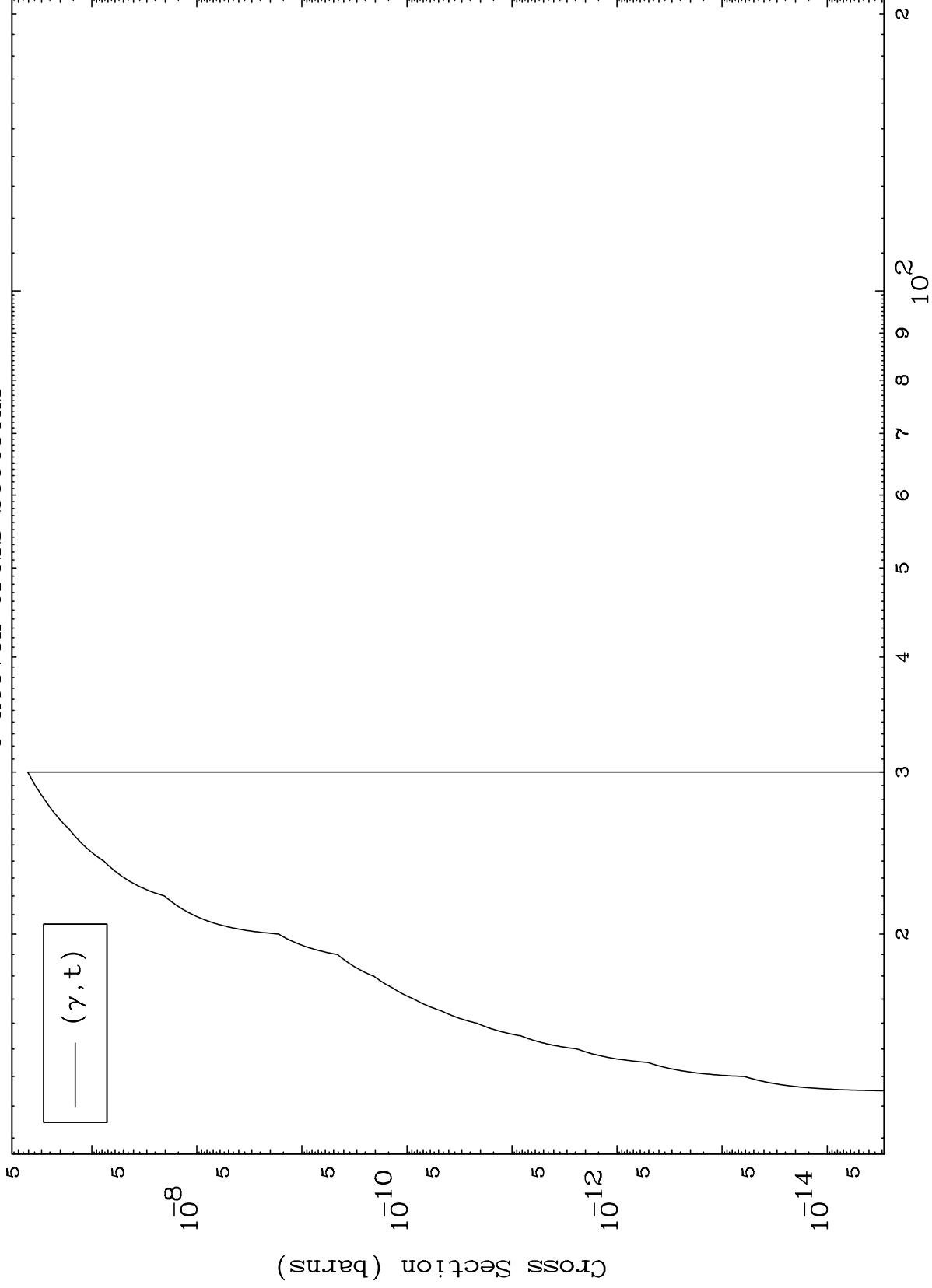
83-Bi-199

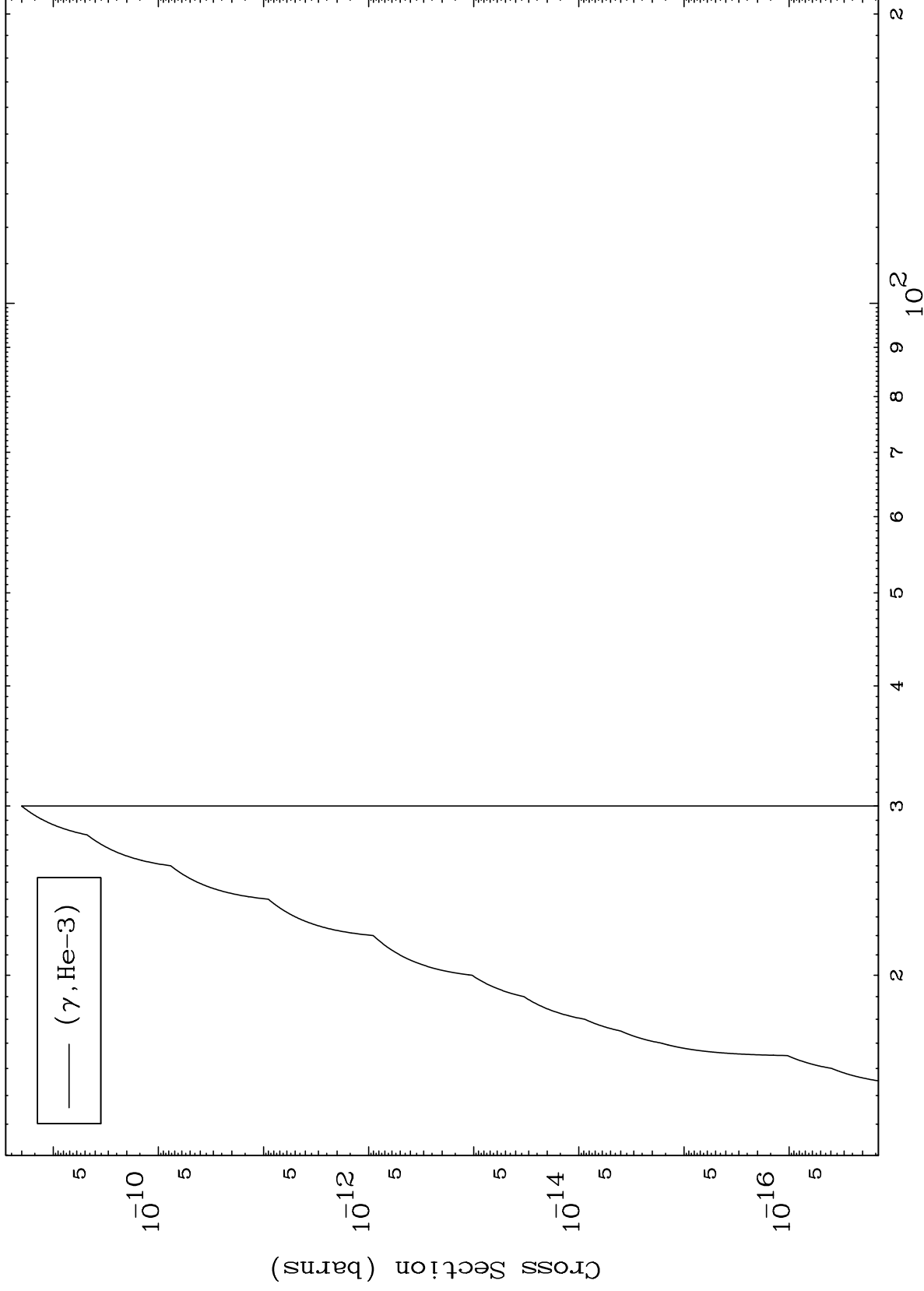
0 Kelvin Cross Sections



Incident Energy (MeV)

83-Bi-199

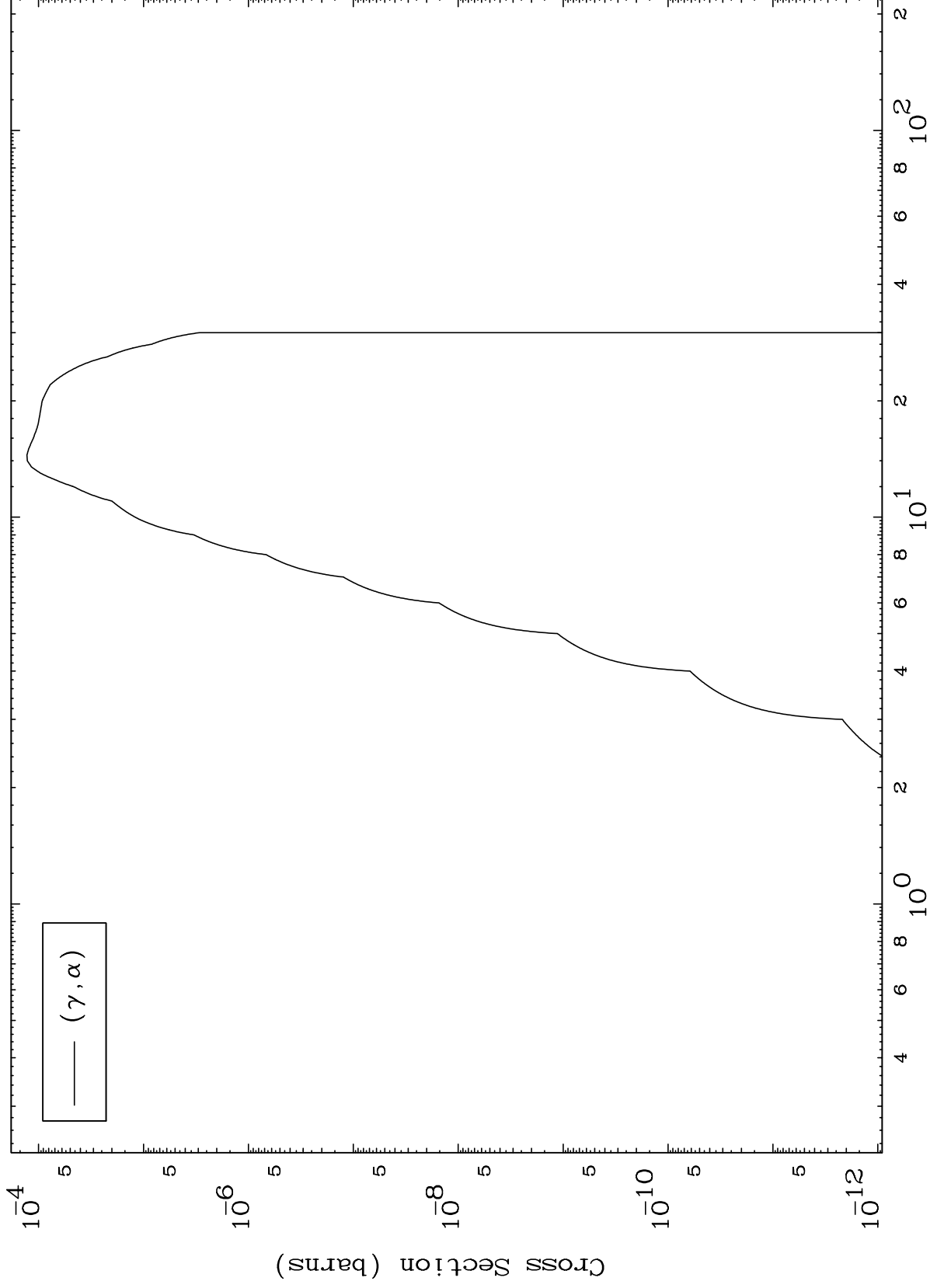




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(γ, α) Levels
0 Kelvin Cross Sections

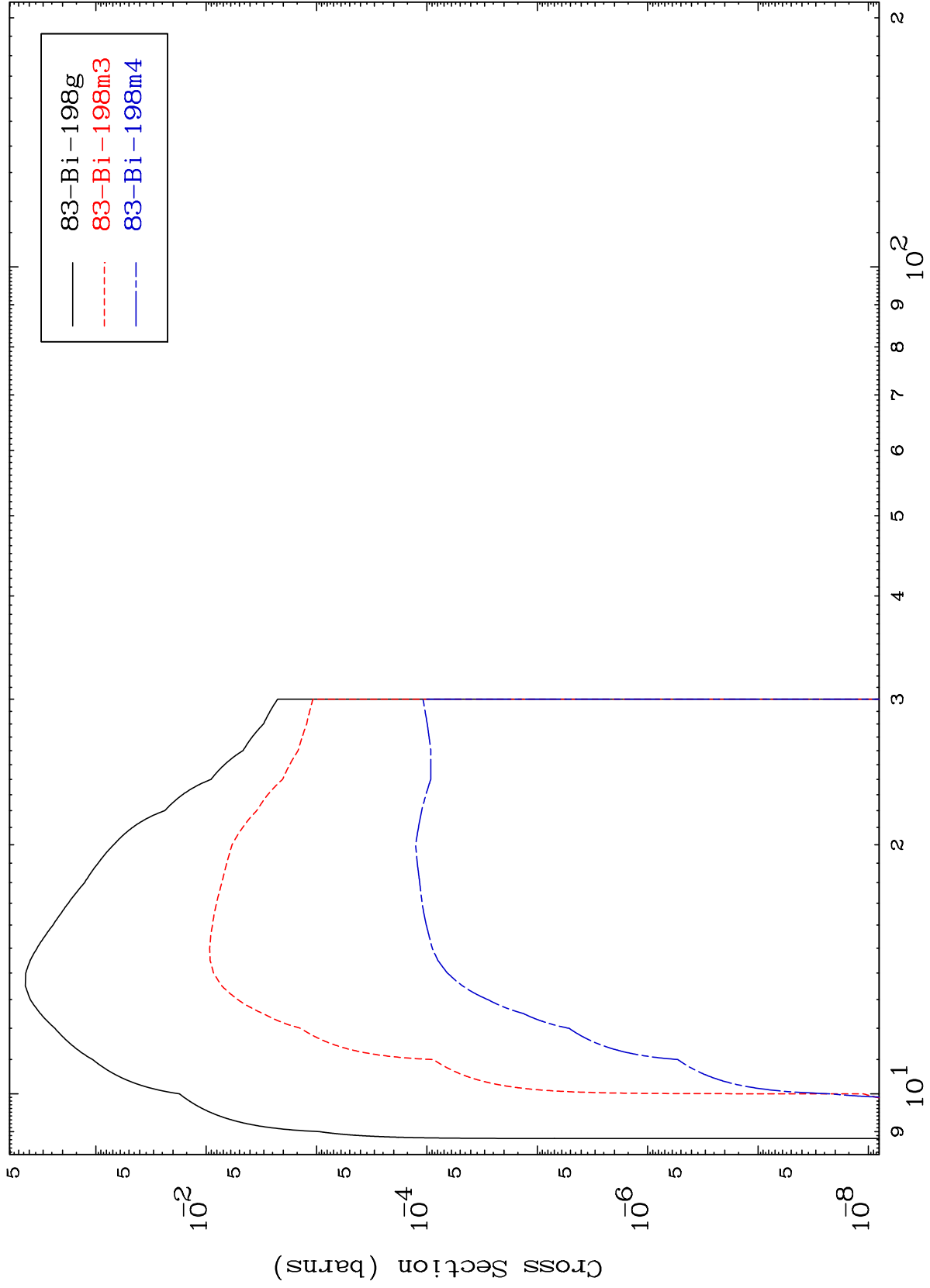
83-Bi-199



10

Incident Energy (MeV)

83-Bi-199

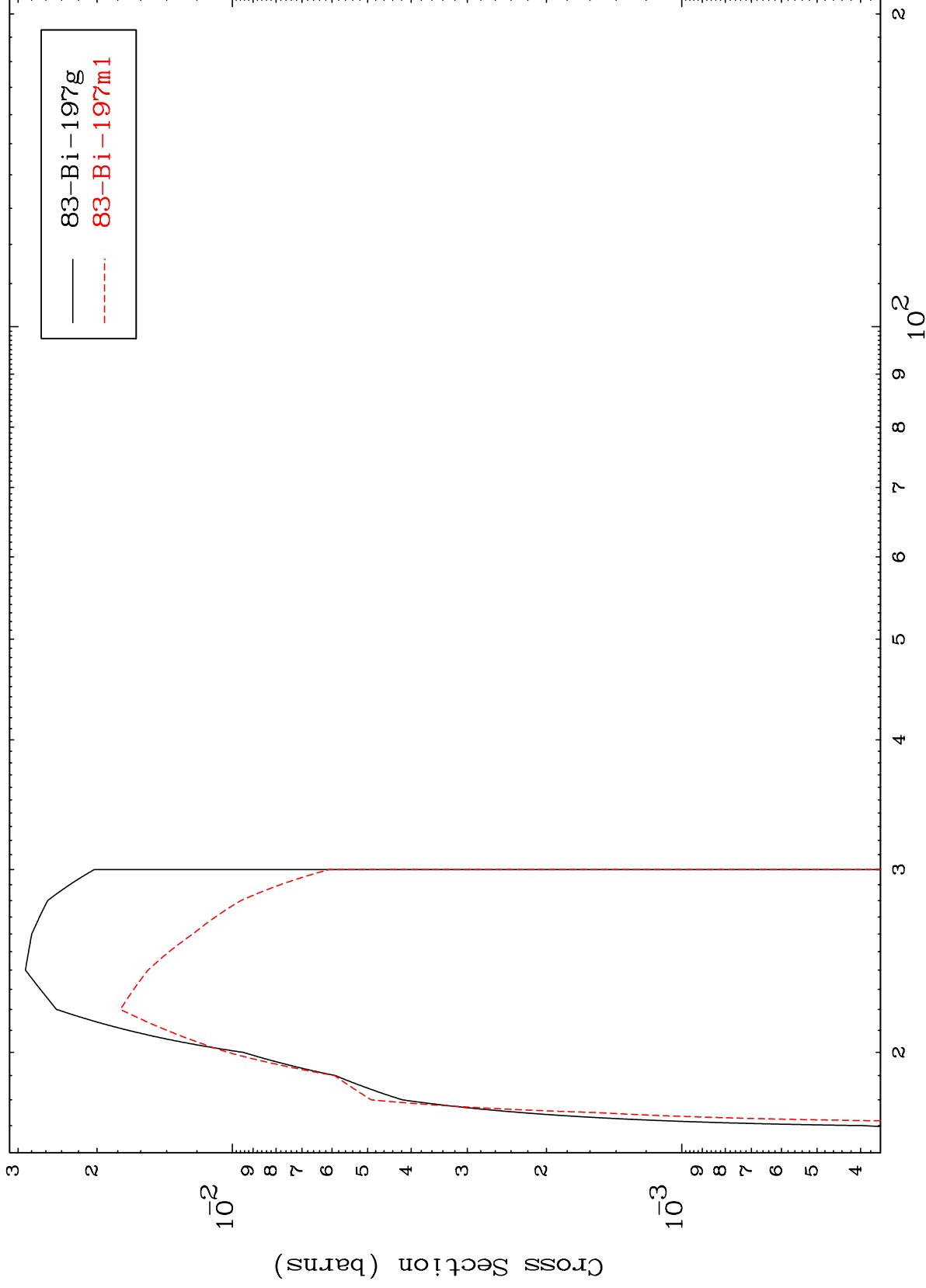


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($\gamma, 2n$)

83-Bi-199

Radionuclide Production Cross Section



12

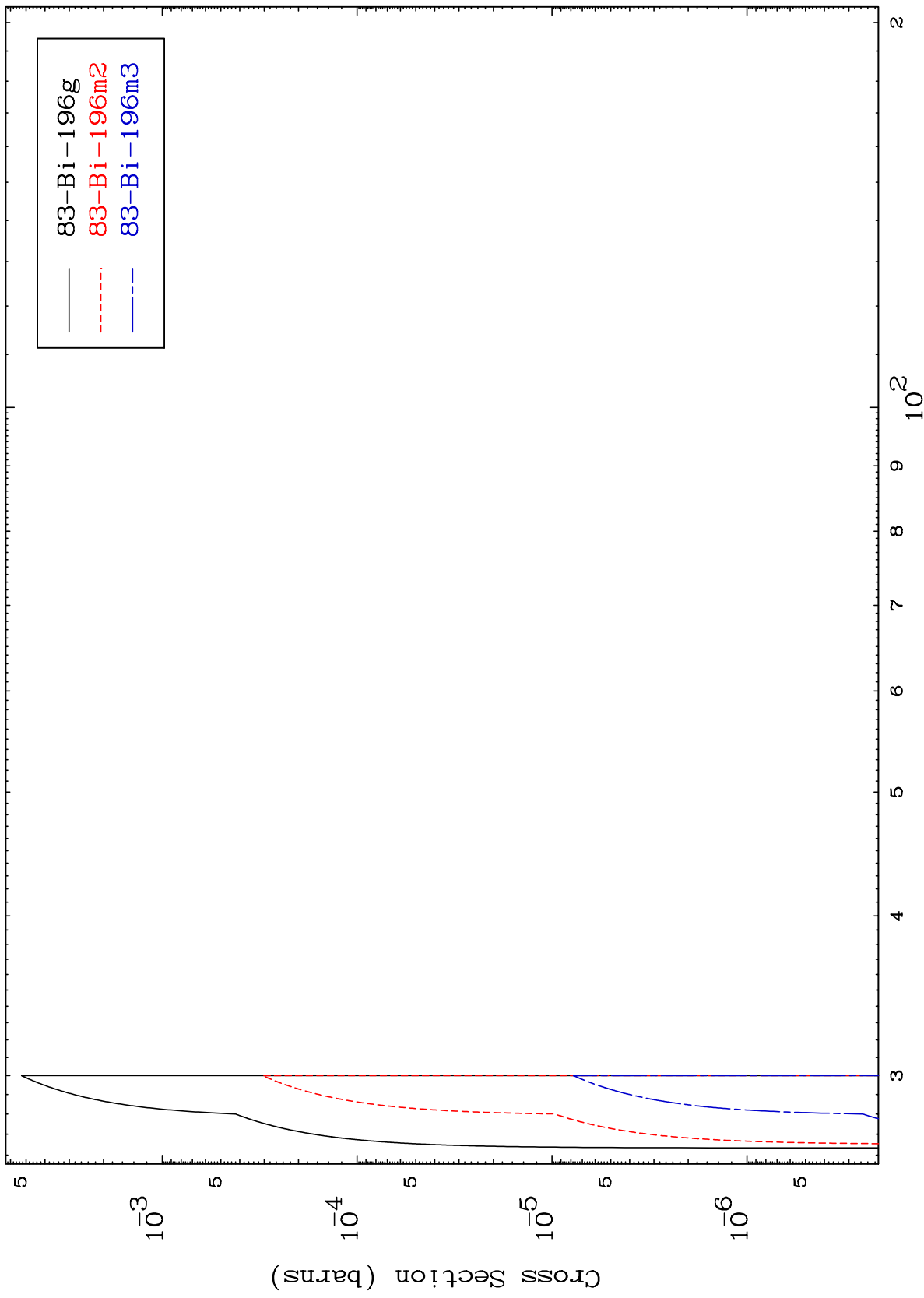
Incident Energy (MeV)

83-Bi-199

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83-Bi-199

($\gamma, 3n$)
Radionuclide Production Cross Section



13

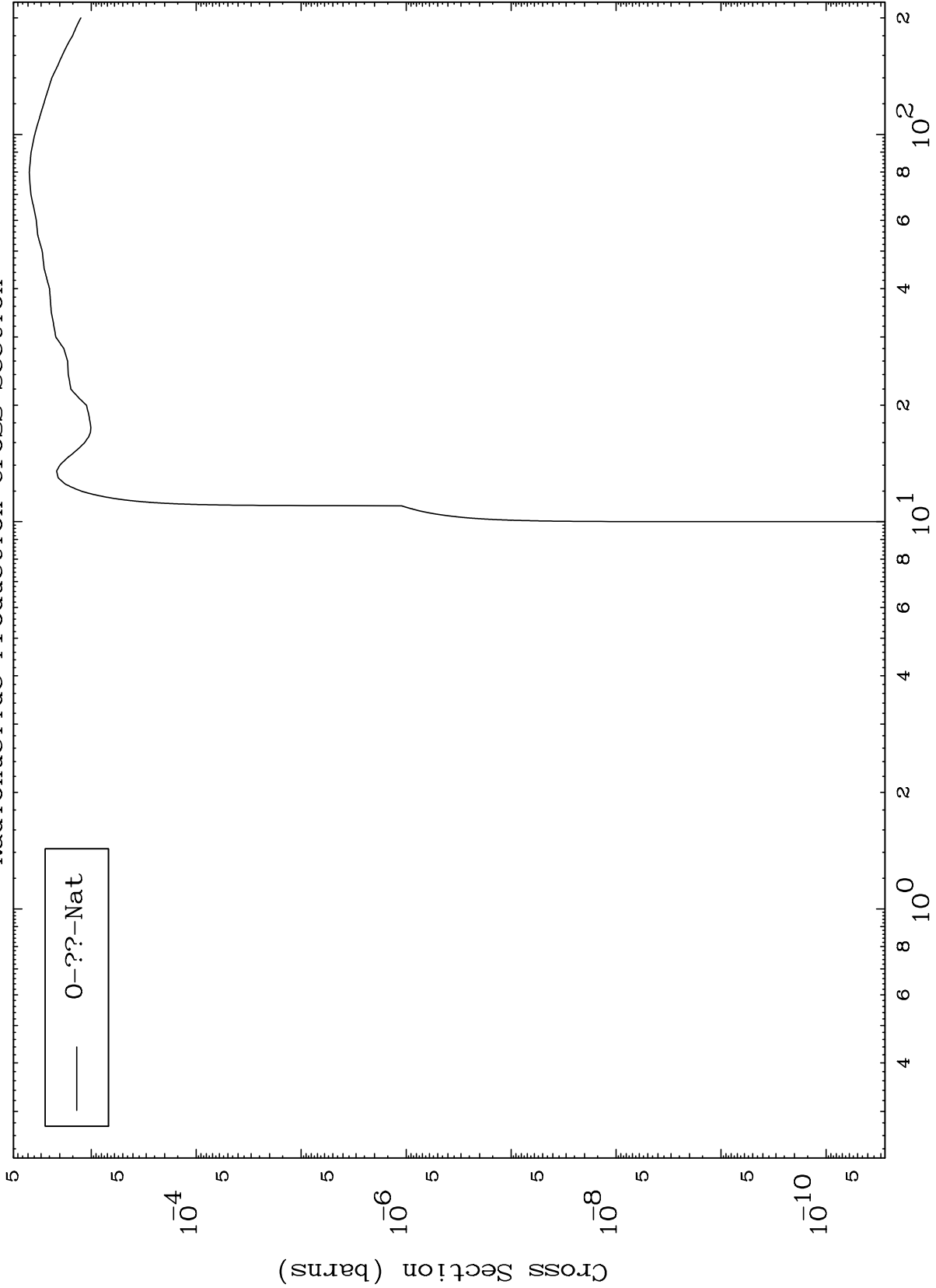
Incident Energy (MeV)

83-Bi-199

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83-Bi-199

Photon Fission
Radionuclide Production Cross Section



0-??-Nat

83-Bi-199

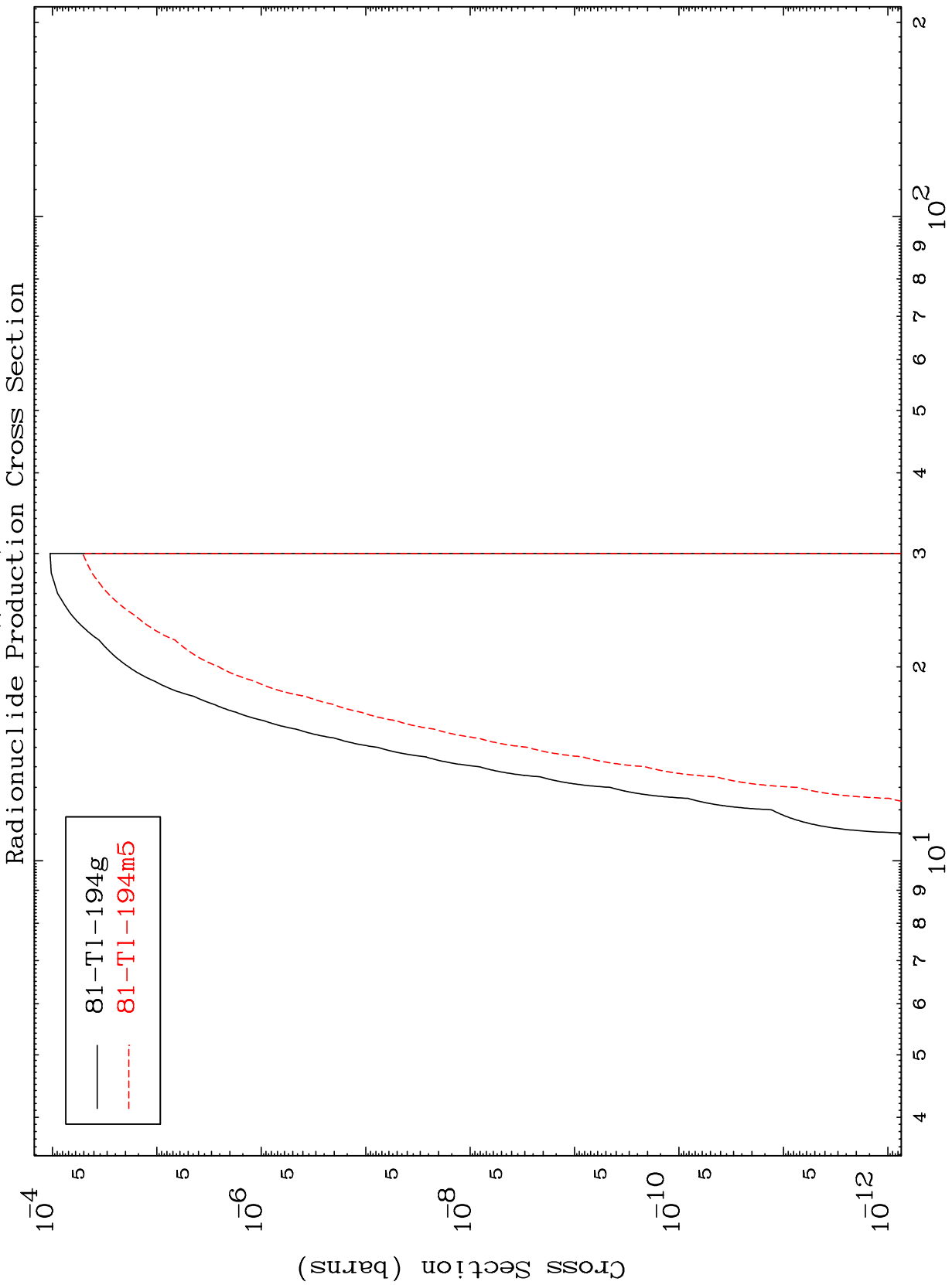
Incident Energy (MeV)

14

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(γ, n') α

83-Bi-199

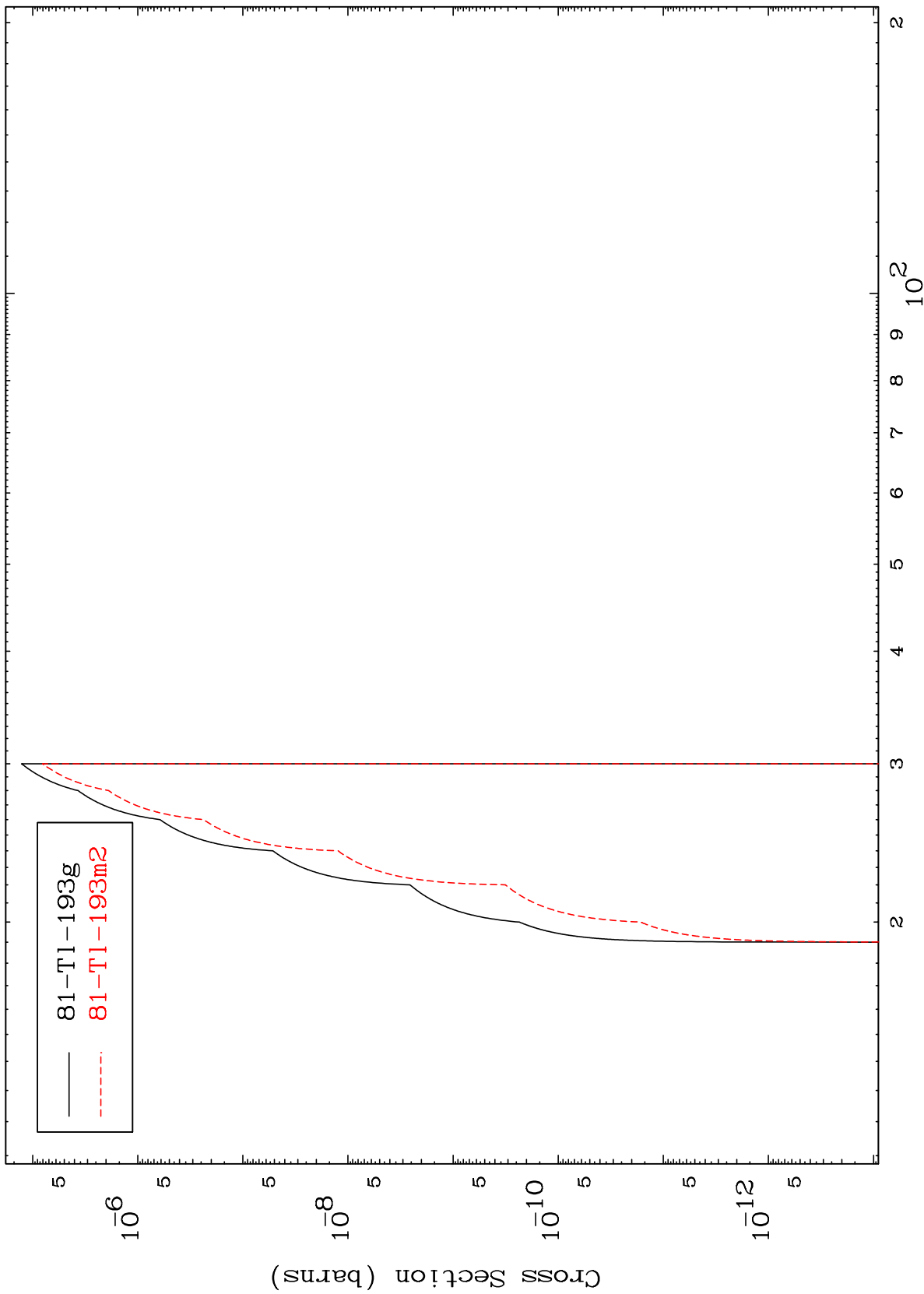


15

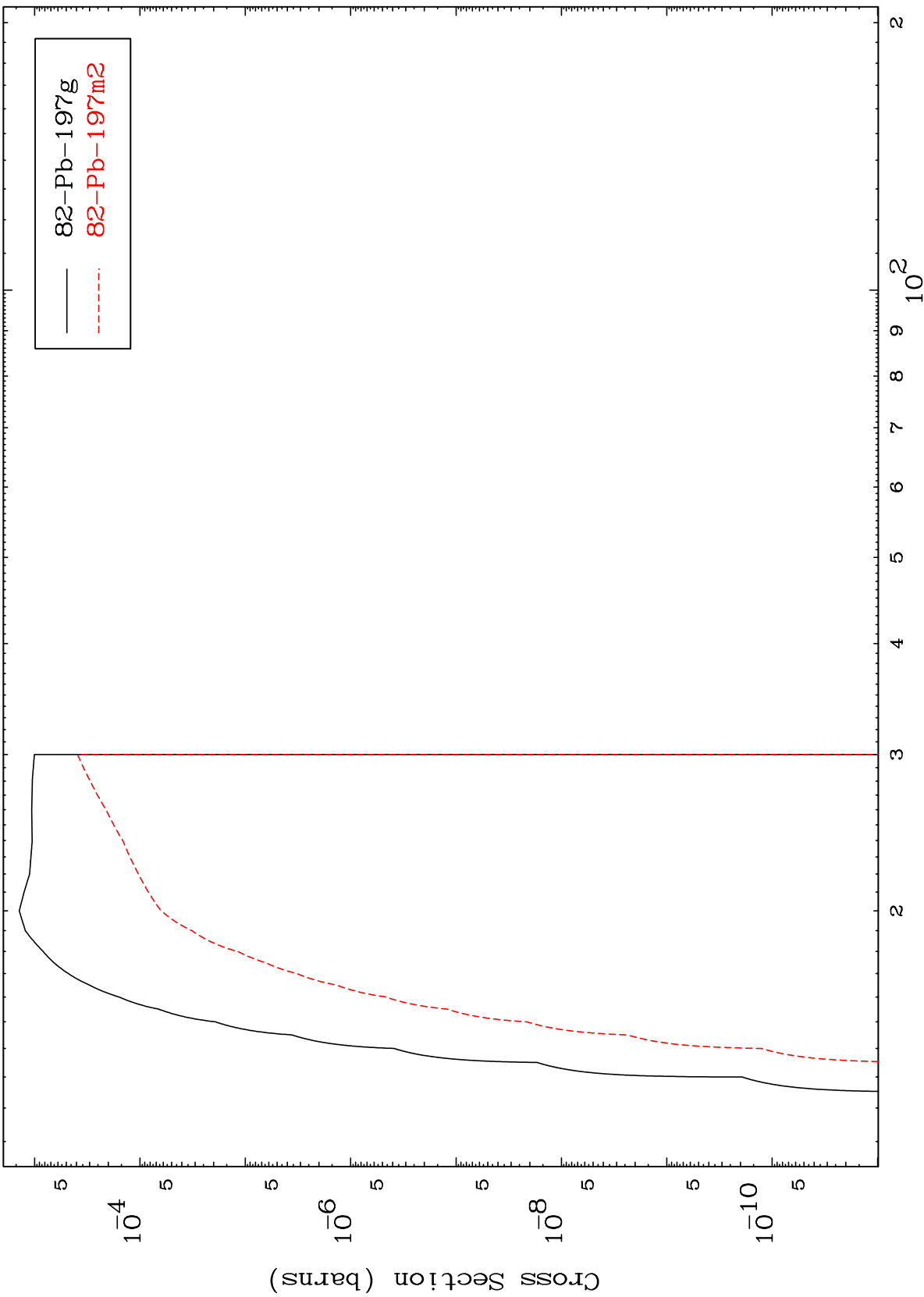
Incident Energy (MeV)

83-Bi-199

Radionuclide Production Cross Section



Radionuclide Production Cross Section

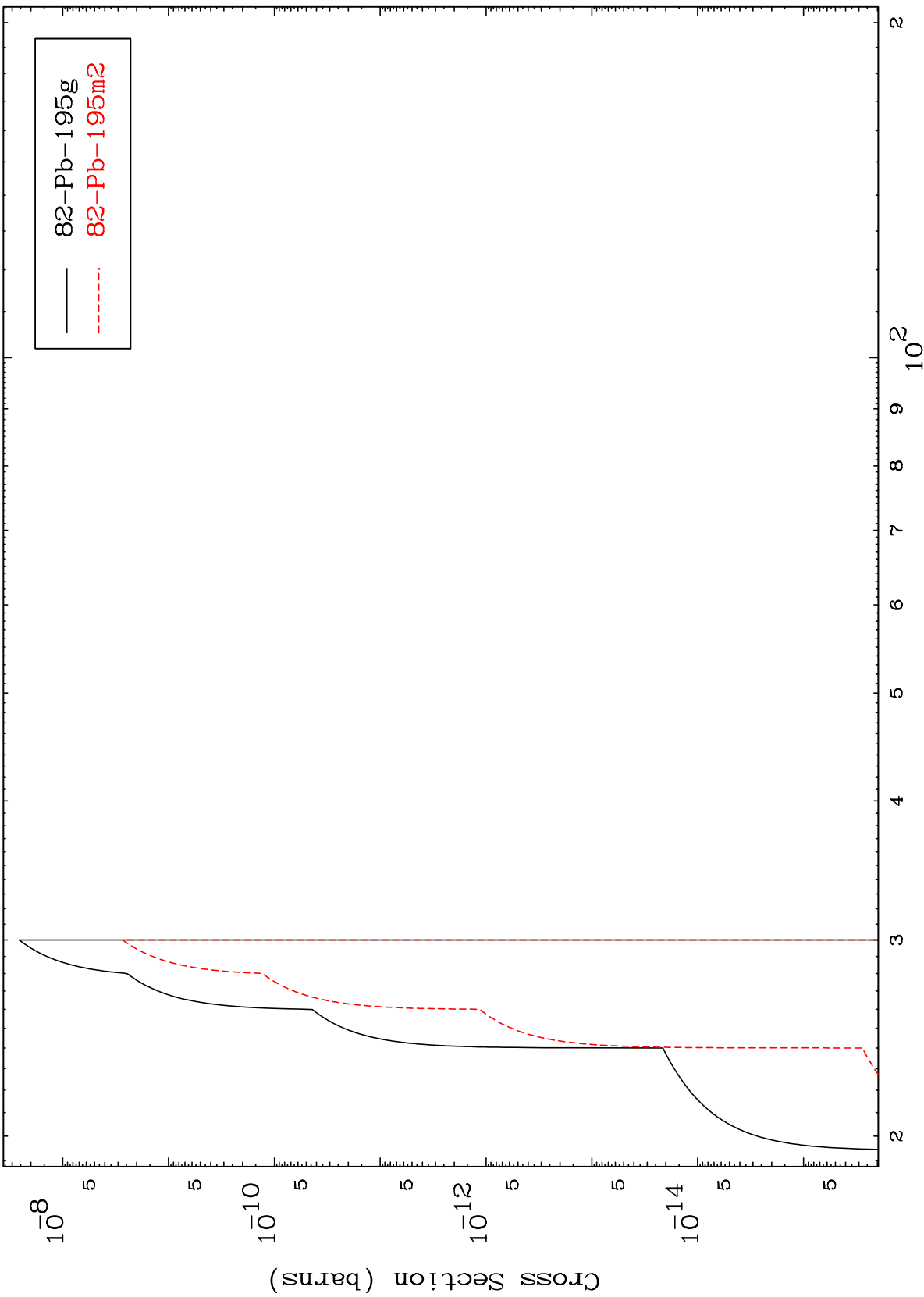


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(γ, n') t

83-Bi-199

Radionuclide Production Cross Section



18

Incident Energy (MeV)

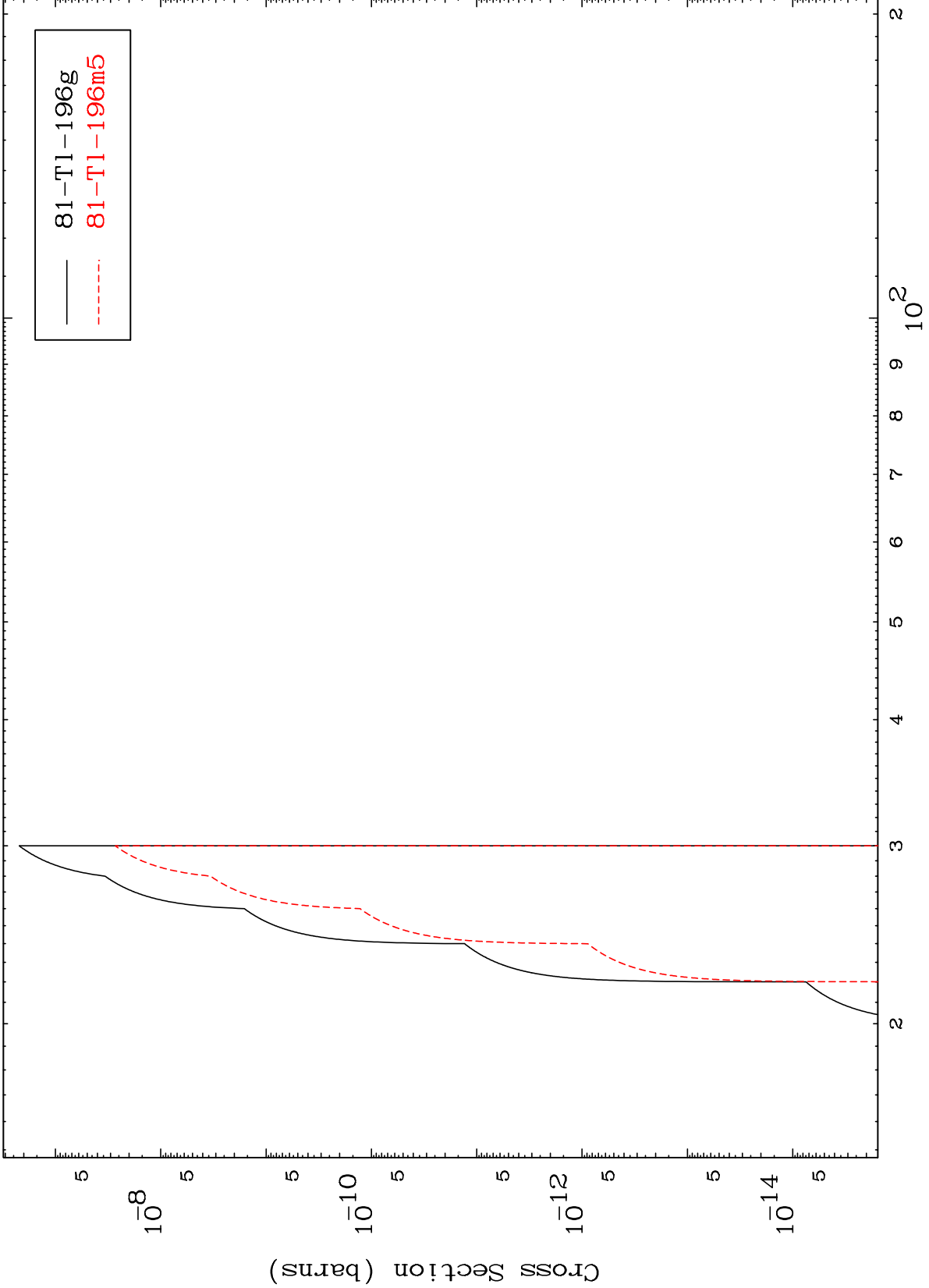
83-Bi-199

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$(\gamma, 2n)$ p

83-Bi-199

Radionuclide Production Cross Section



81-Tl-196g
81-Tl-196m5

19

Incident Energy (MeV)

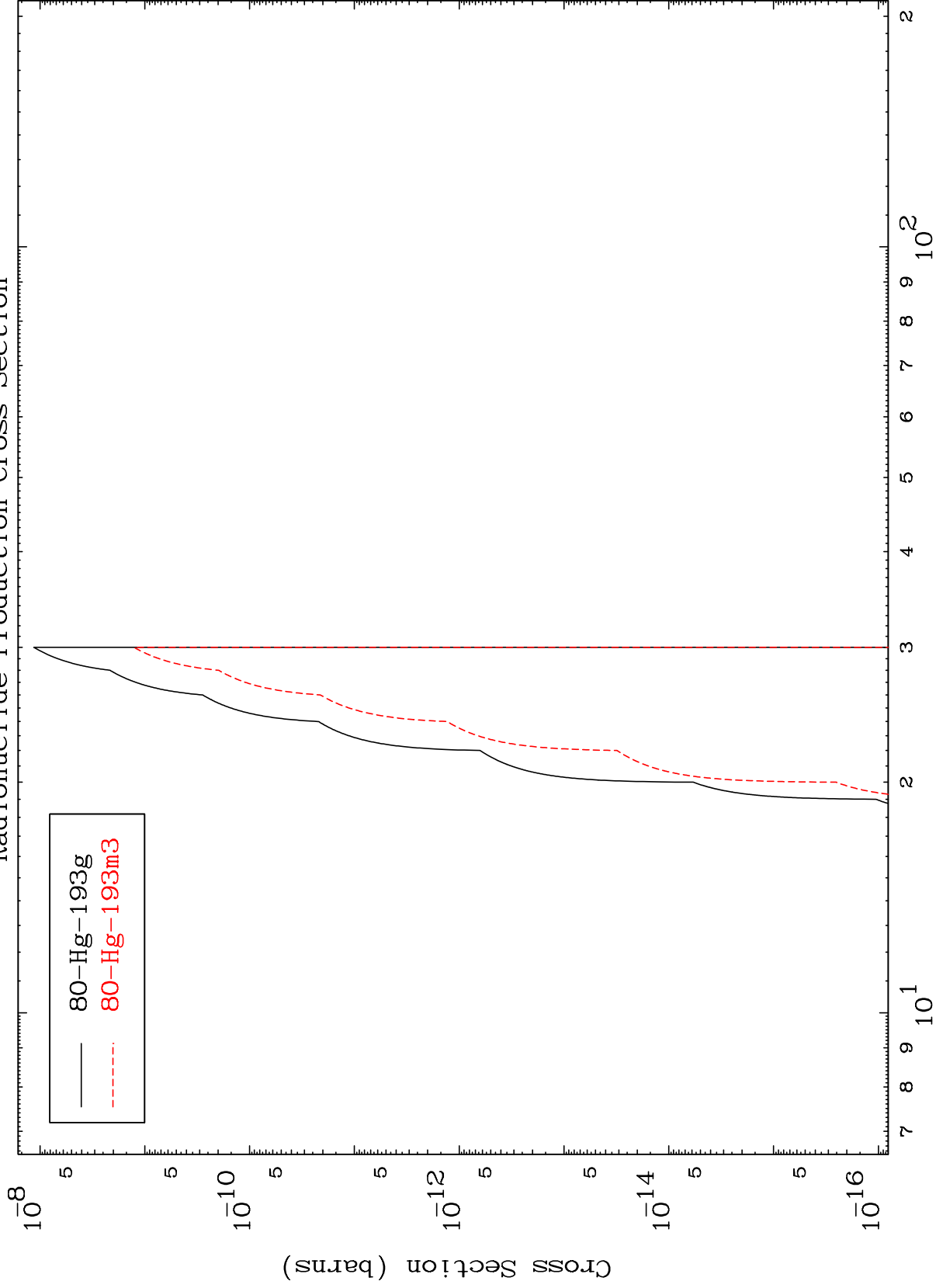
83-Bi-199

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(γ, n') p α

83-Bi-199

Radionuclide Production Cross Section



80-Hg-193g
80-Hg-193m3

20

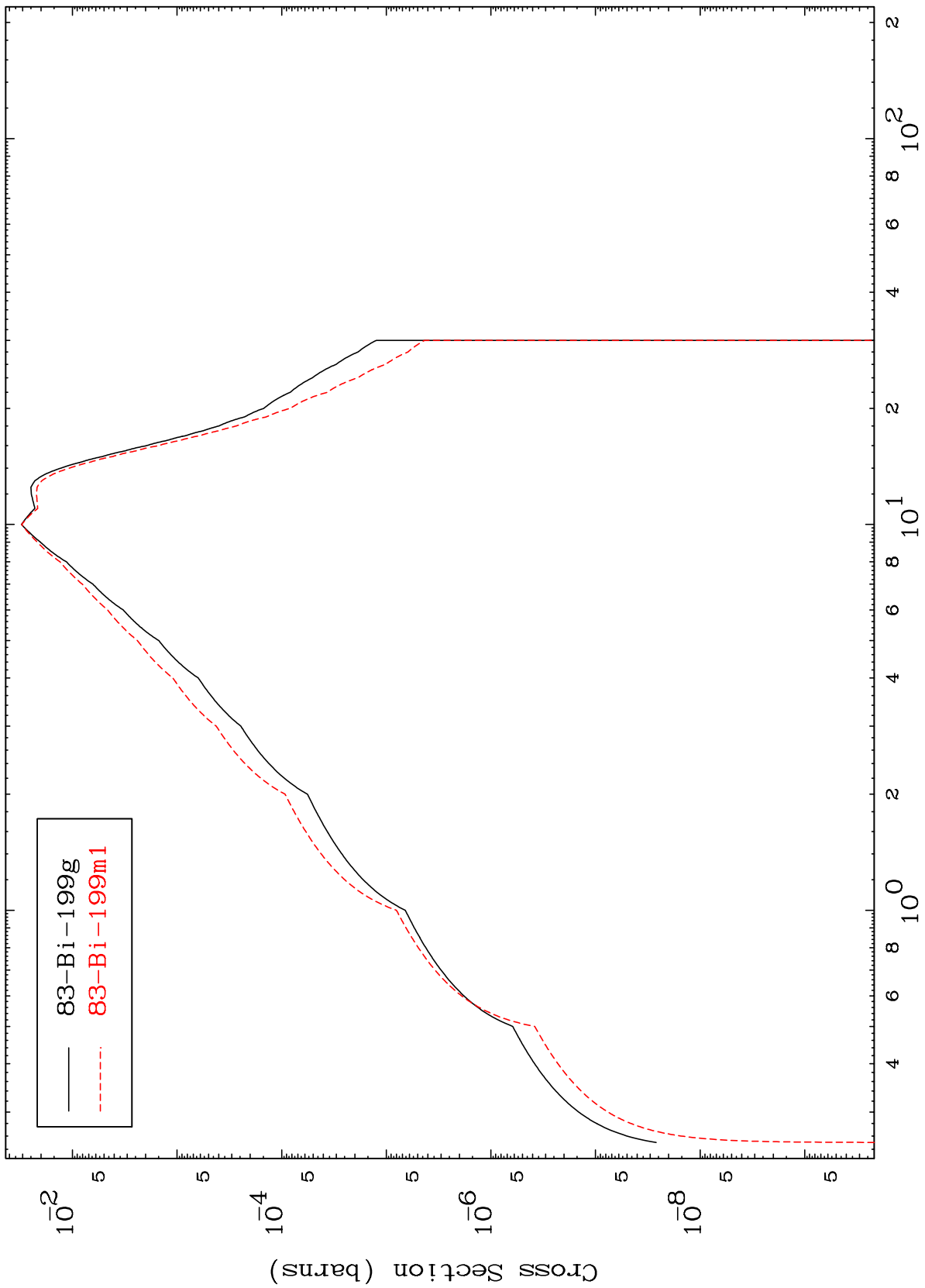
Incident Energy (MeV)

83-Bi-199

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83-Bi-199

(γ, γ)
Radionuclide Production Cross Section

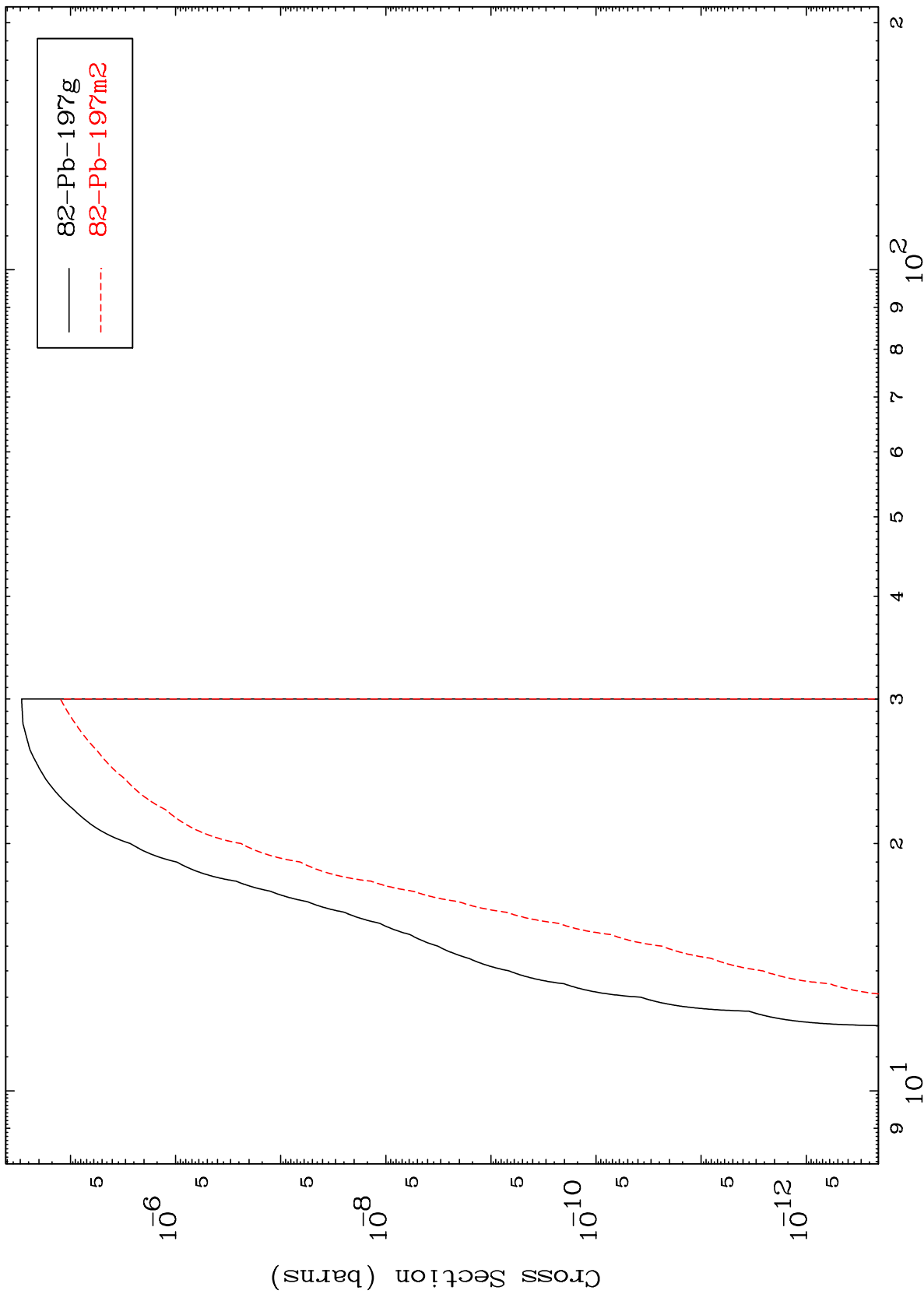


— 83-Bi-199g
- - - 83-Bi-199m1

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83-Bi-199

(γ, d)
Radionuclide Production Cross Section



22

Incident Energy (MeV)

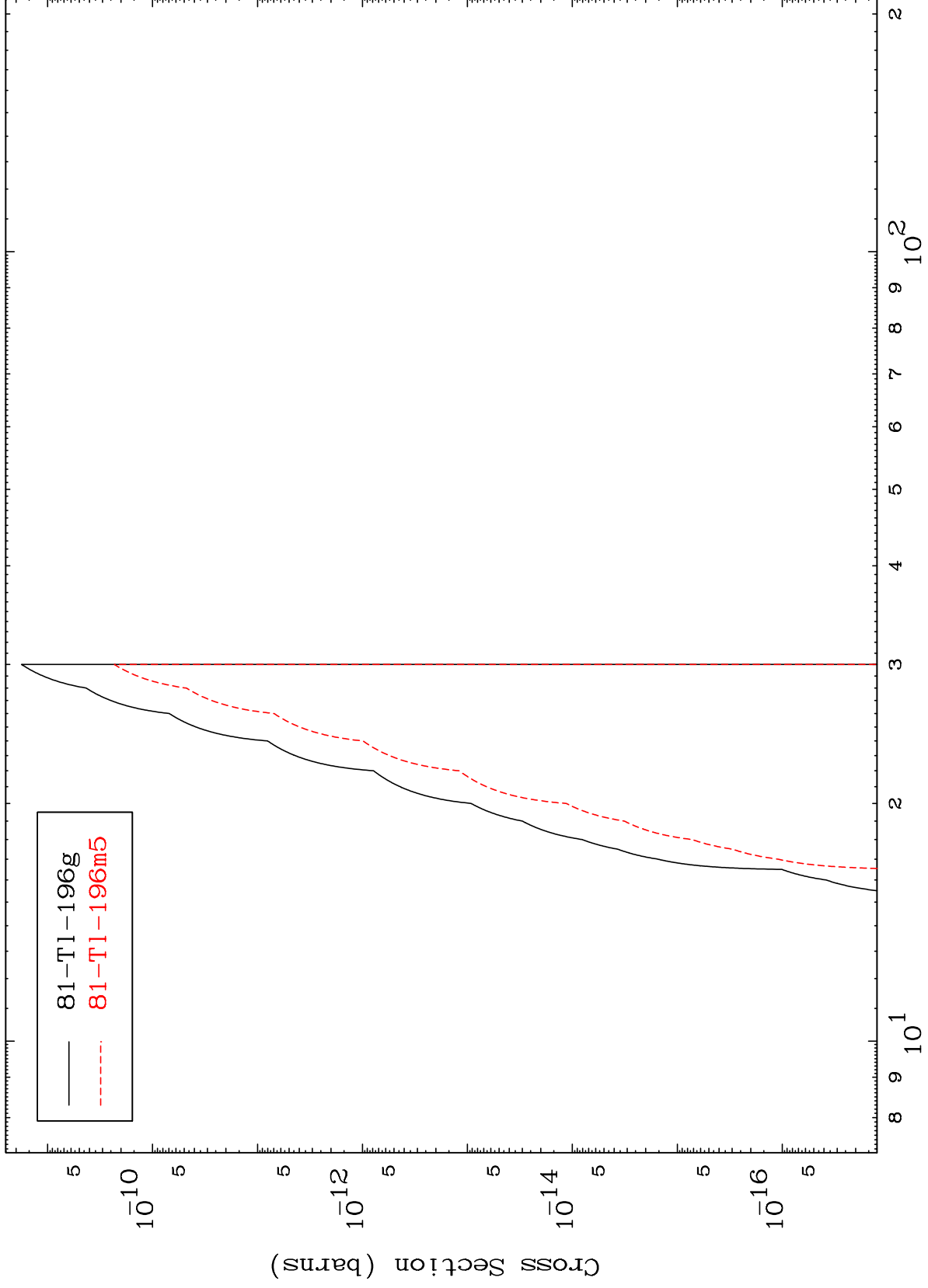
83-Bi-199

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

83-Bi-199

Radionuclide Production Cross Section



23

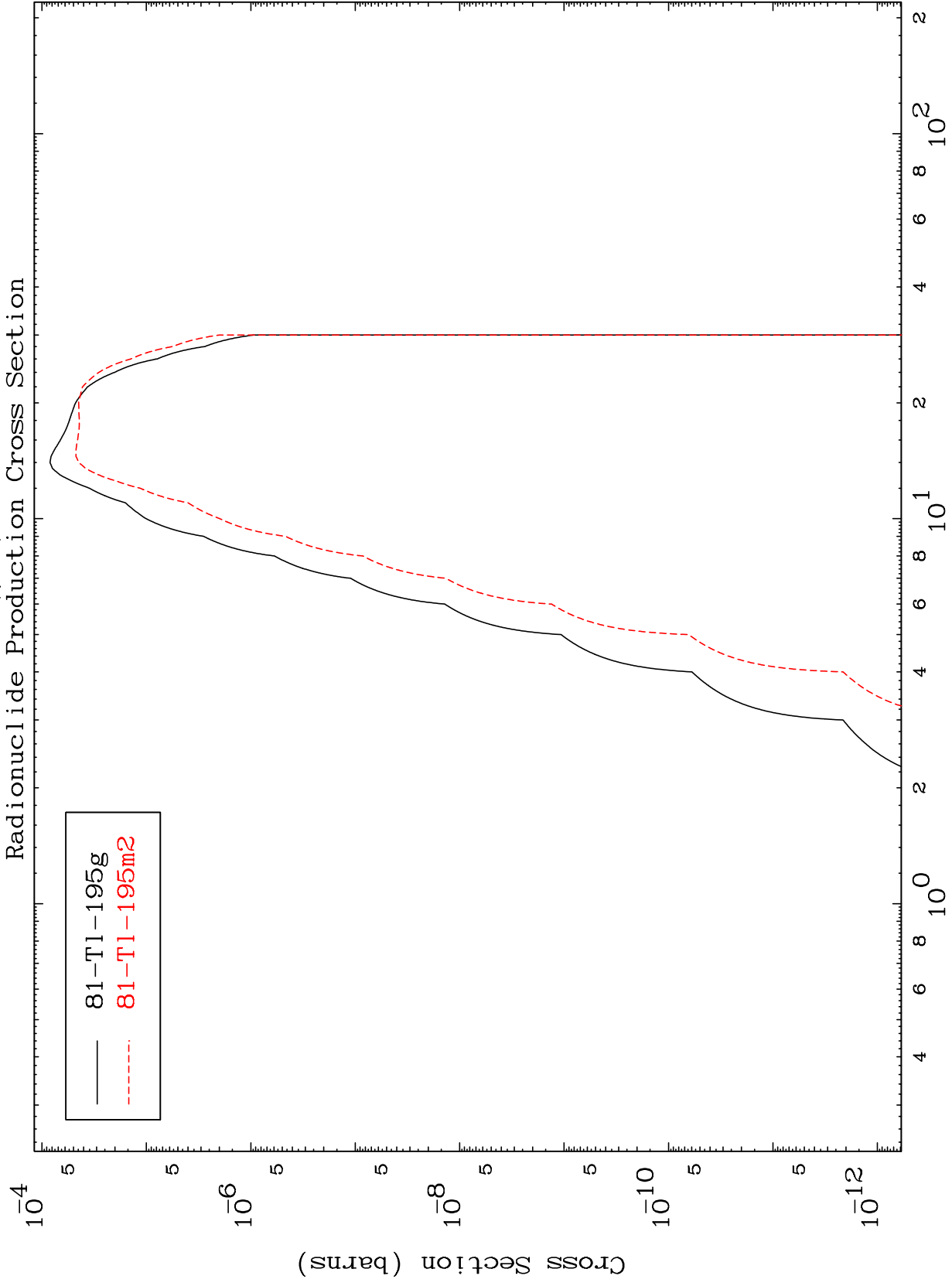
Incident Energy (MeV)

83-Bi-199

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83-Bi-199

(γ, α)
Radionuclide Production Cross Section

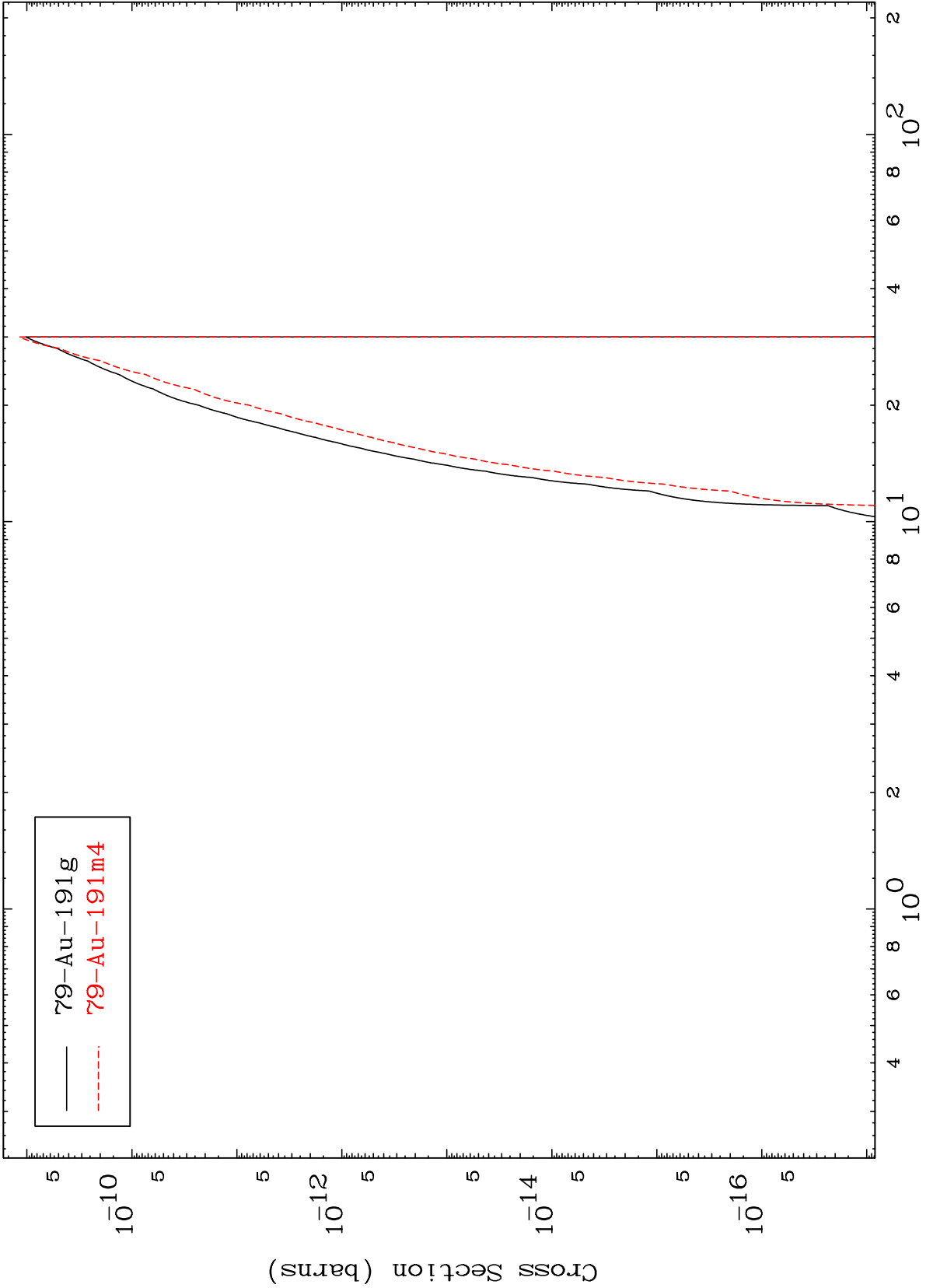


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($\gamma, 2\alpha$)

83-Bi-199

Radionuclide Production Cross Section

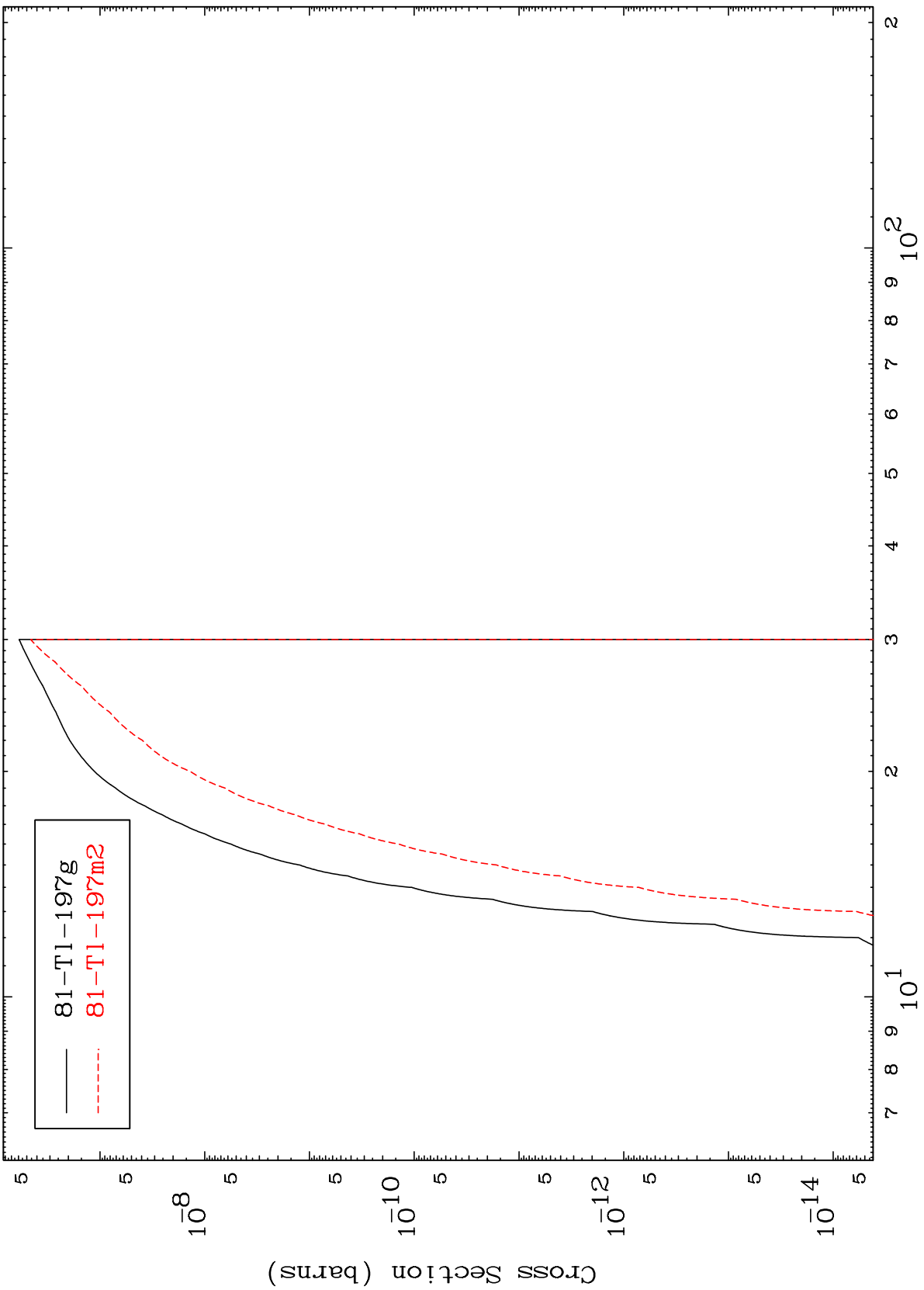


— 79-Au-191g
- - - 79-Au-191m4

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83-Bi-199

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



26

83-Bi-199

Incident Energy (MeV)

