

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

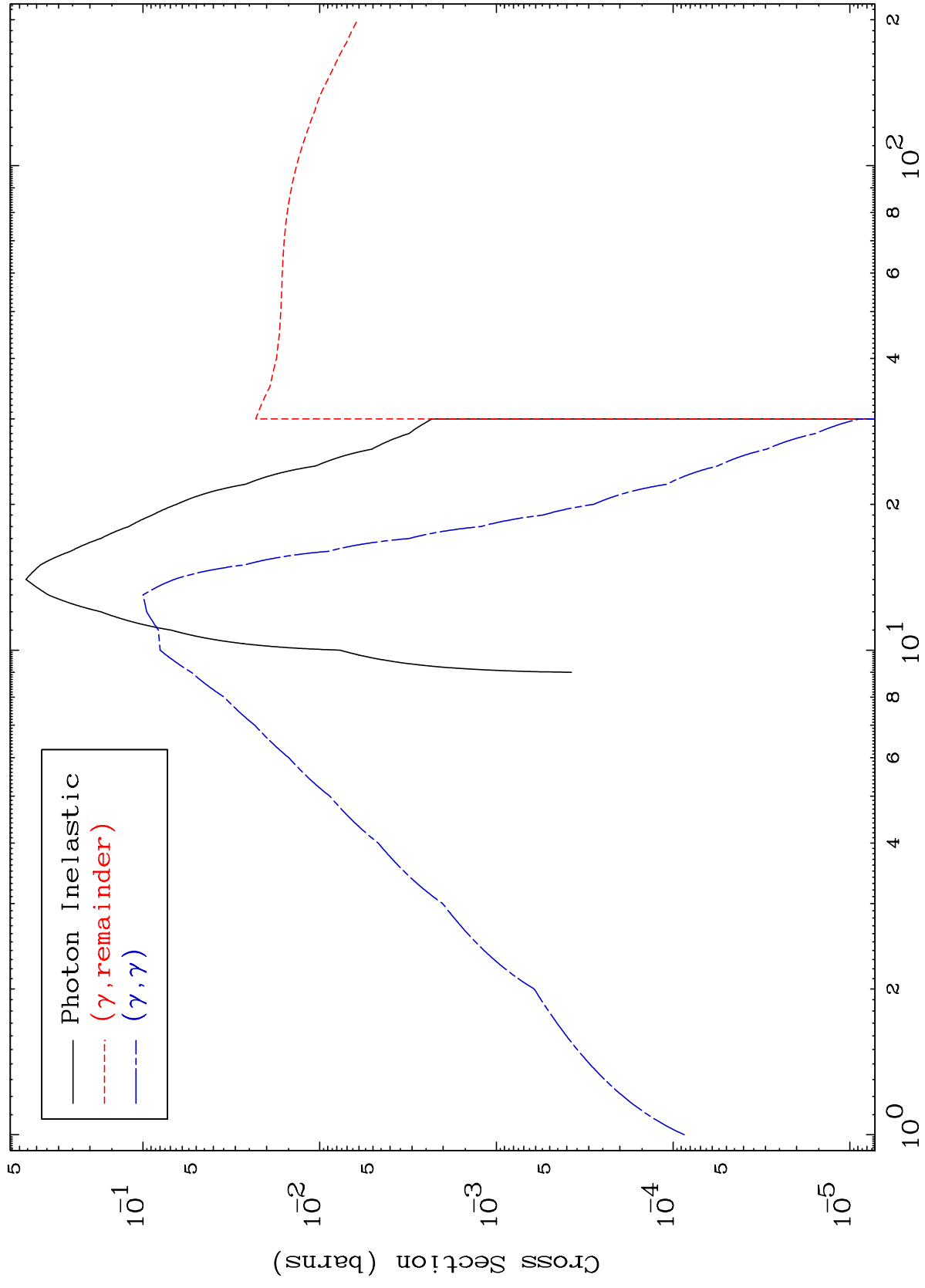
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8296

Photon Major  
0 Kelvin Cross Sections

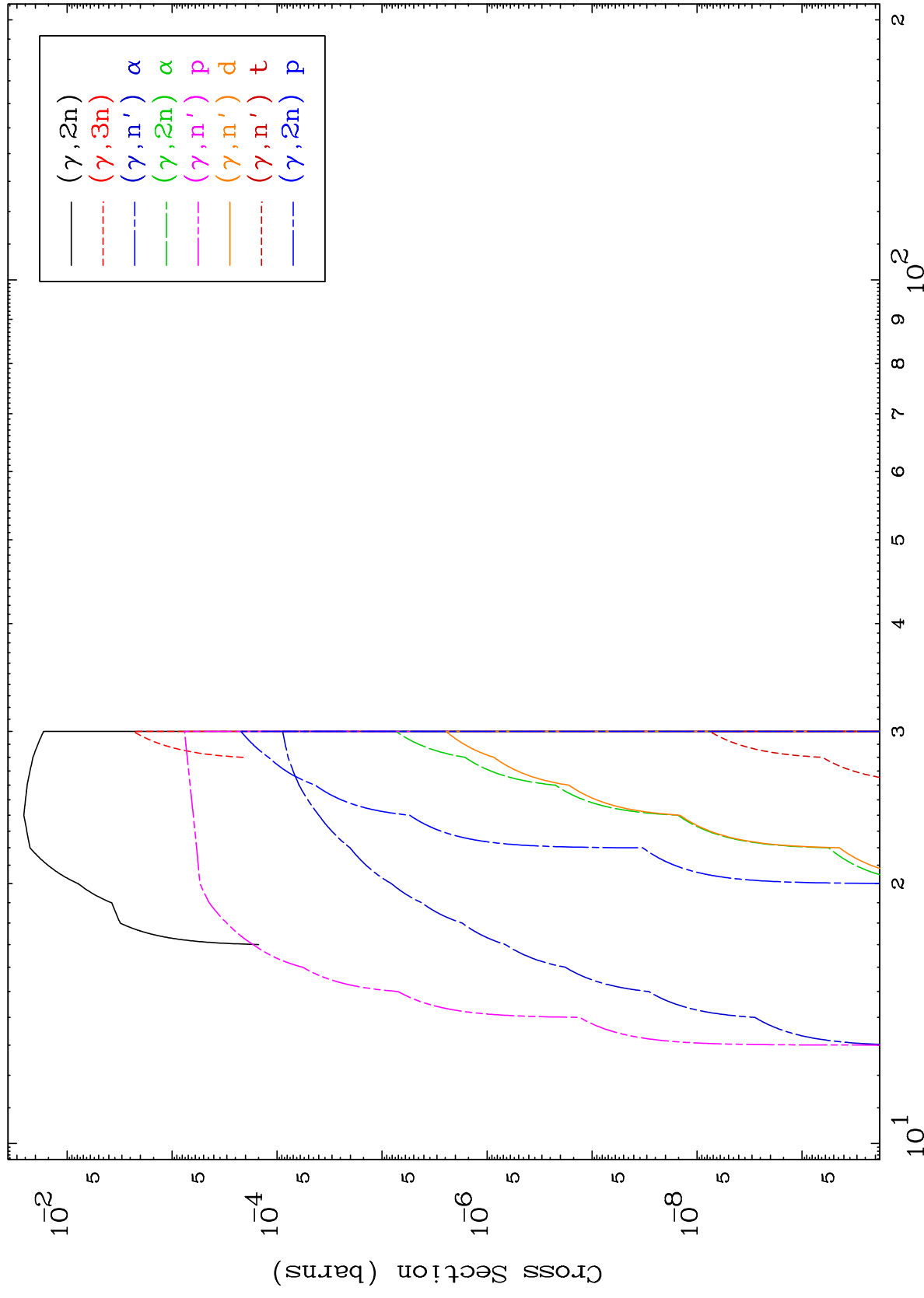
83-Bi-199

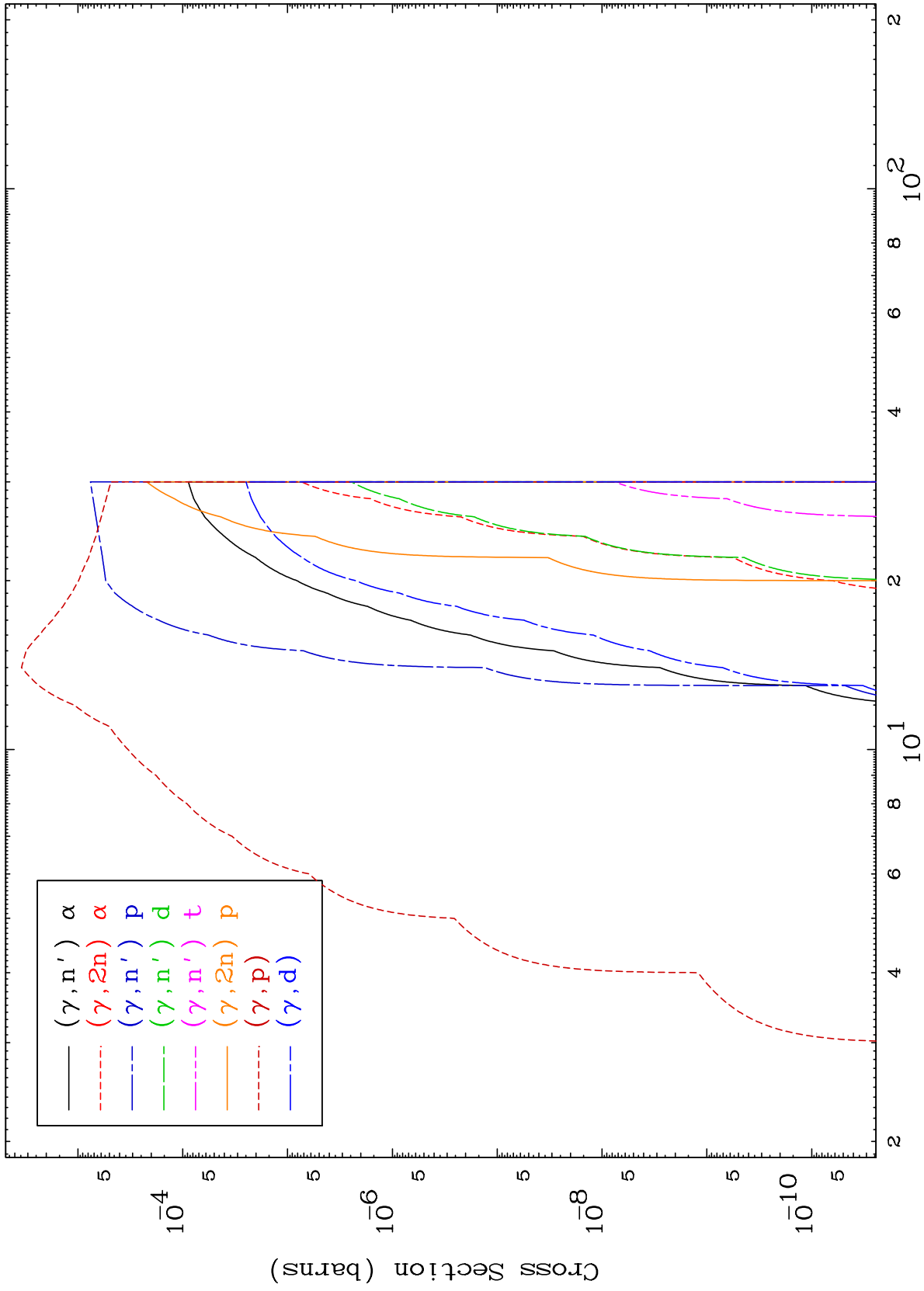


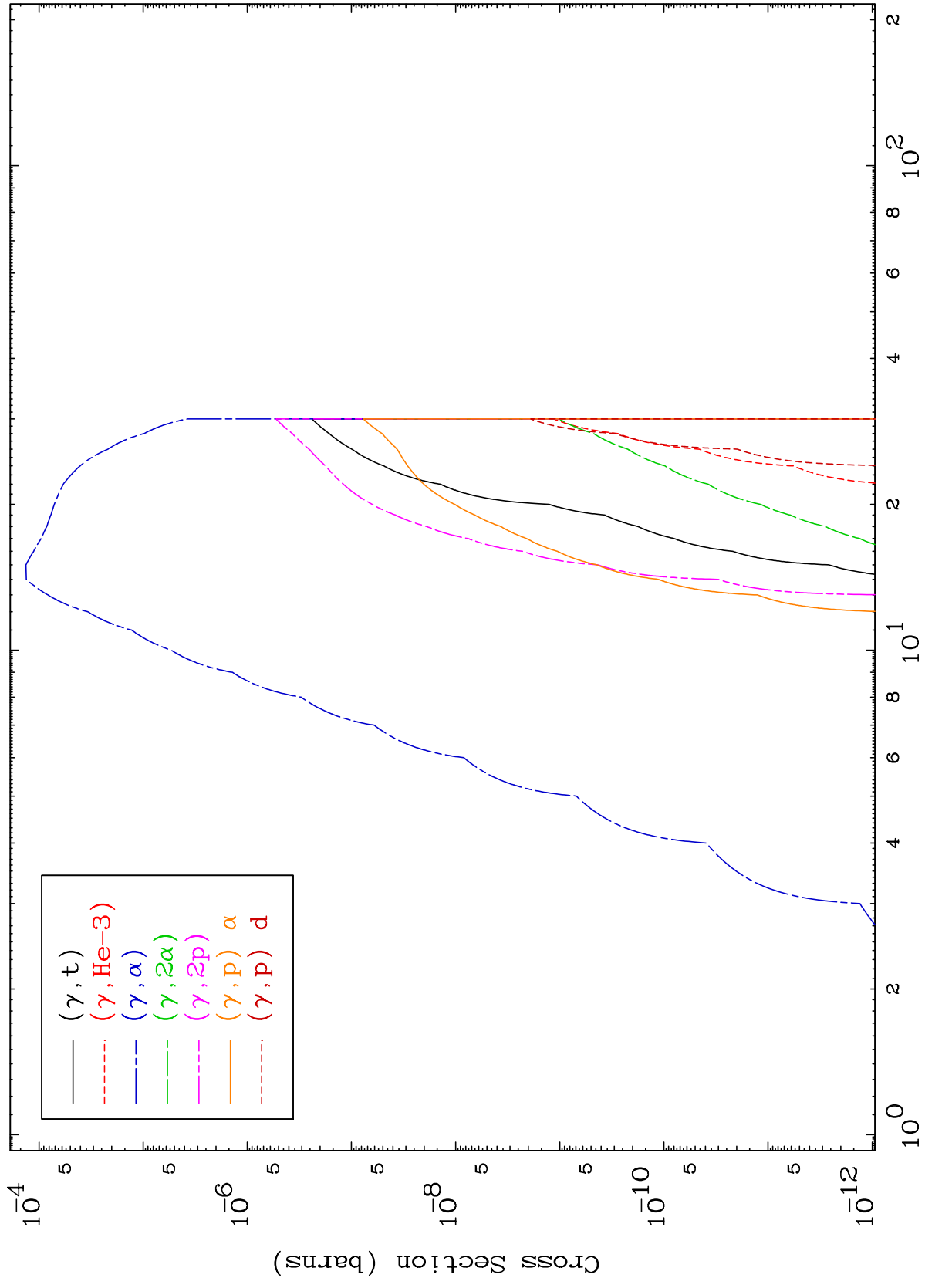
— Photon Inelastic  
- - - (γ, remainder)  
- · - (γ, γ)

Incident Energy (MeV)

83-Bi-199





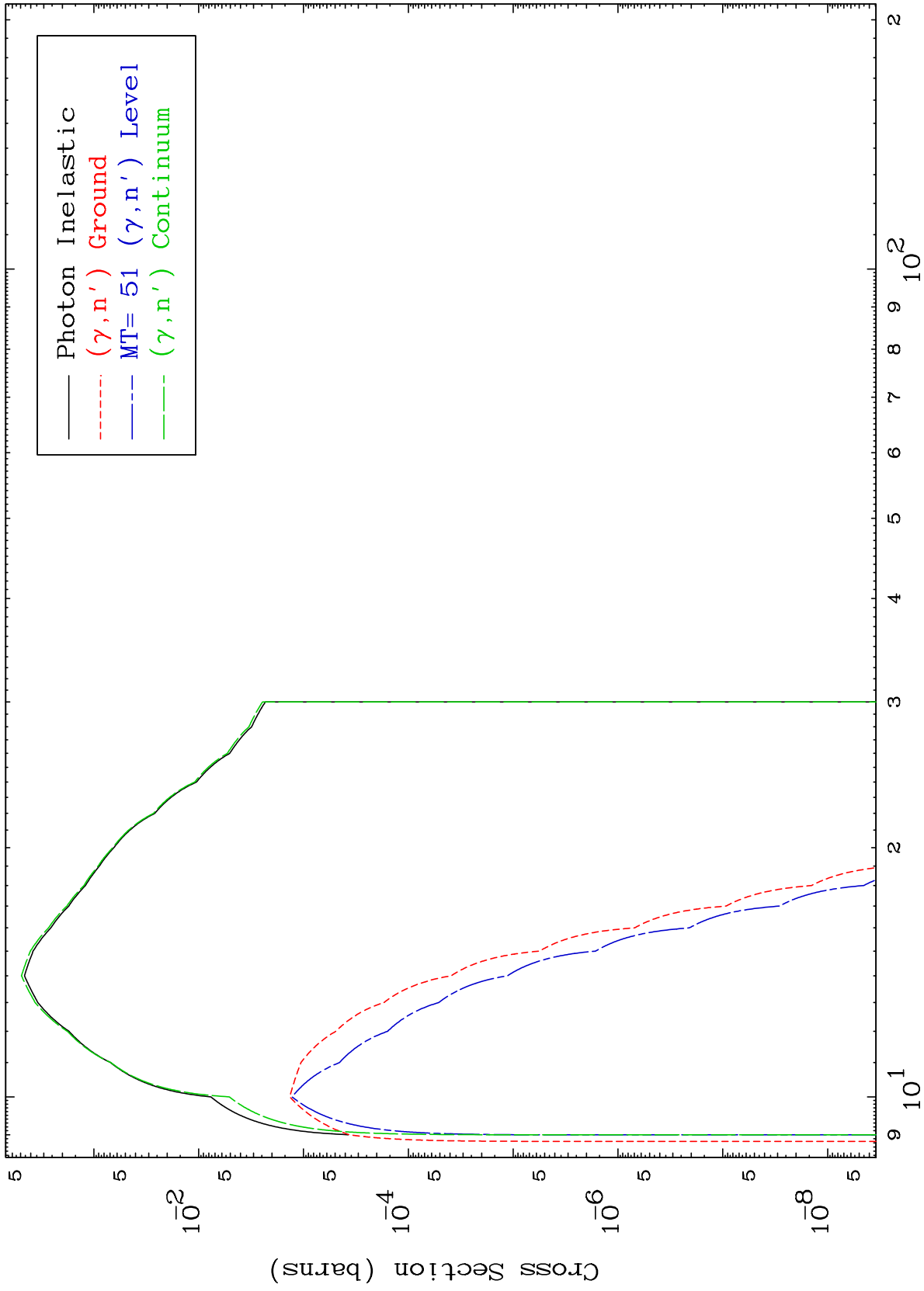


MAT 8296

$(\gamma, n')$  Level

83-Bi-199

0 Kelvin Cross Sections



5

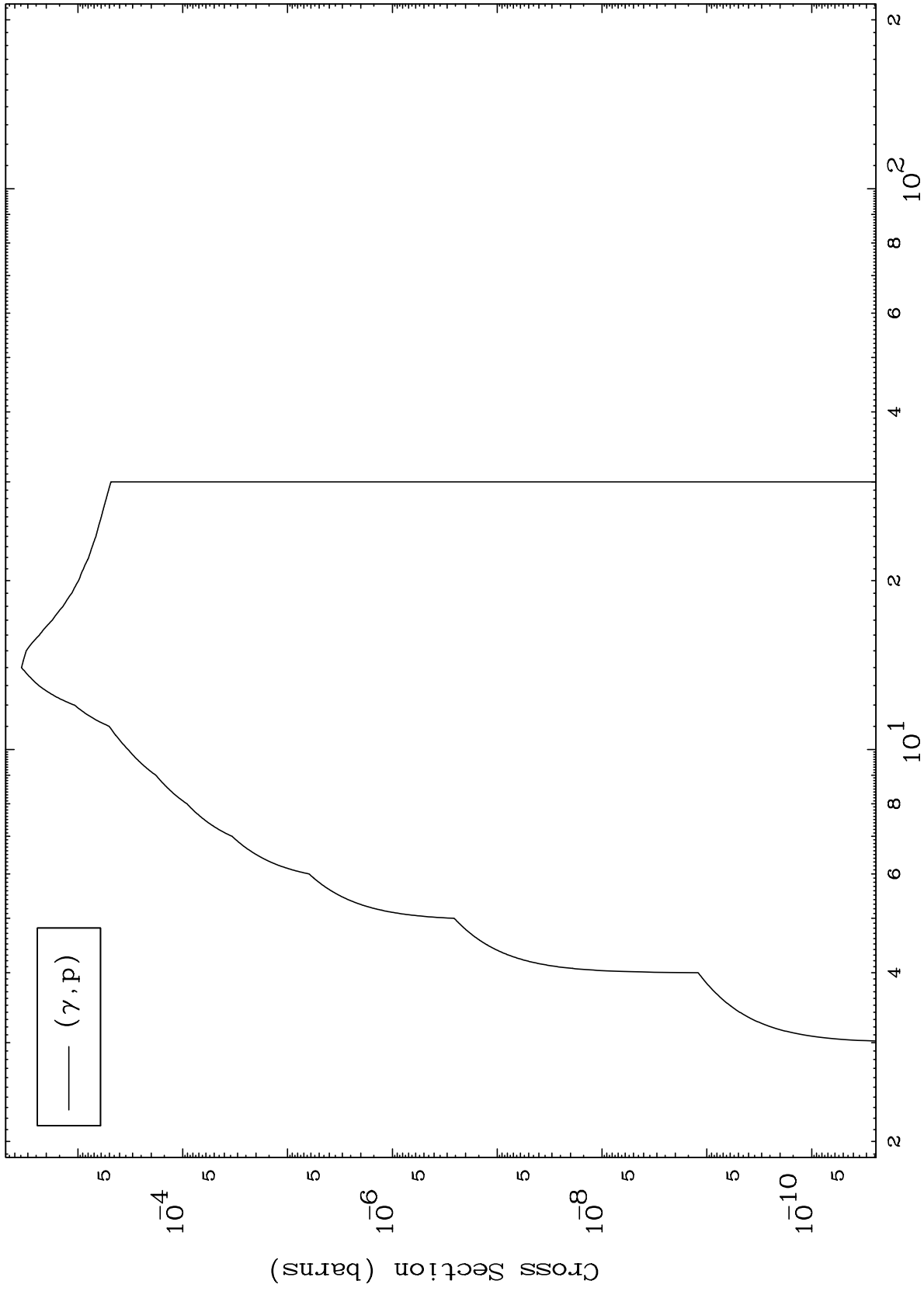
Incident Energy (MeV)

83-Bi-199

MAT 8296

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

83-Bi-199



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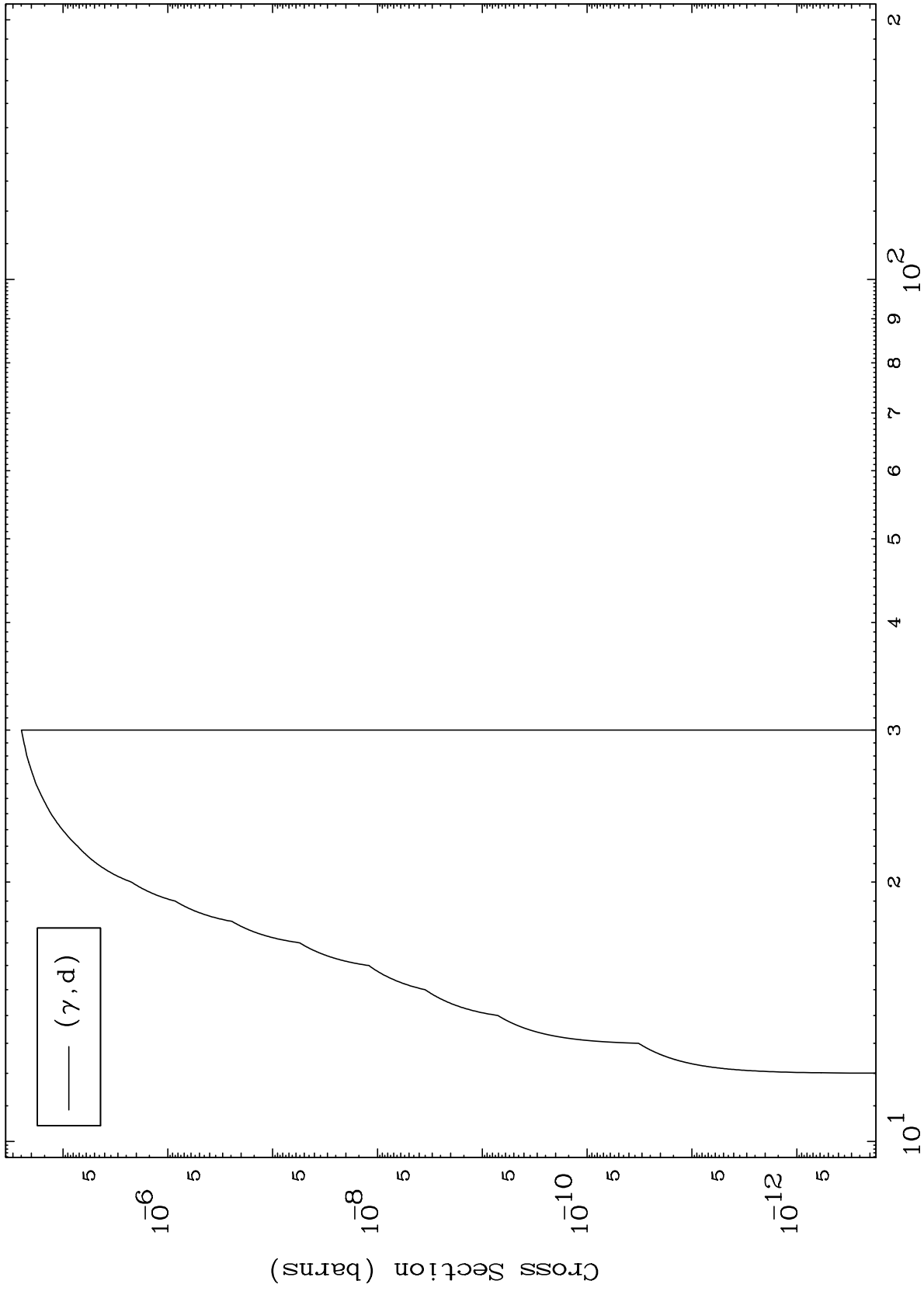
Incident Energy (MeV)

83-Bi-199

MAT 8296

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

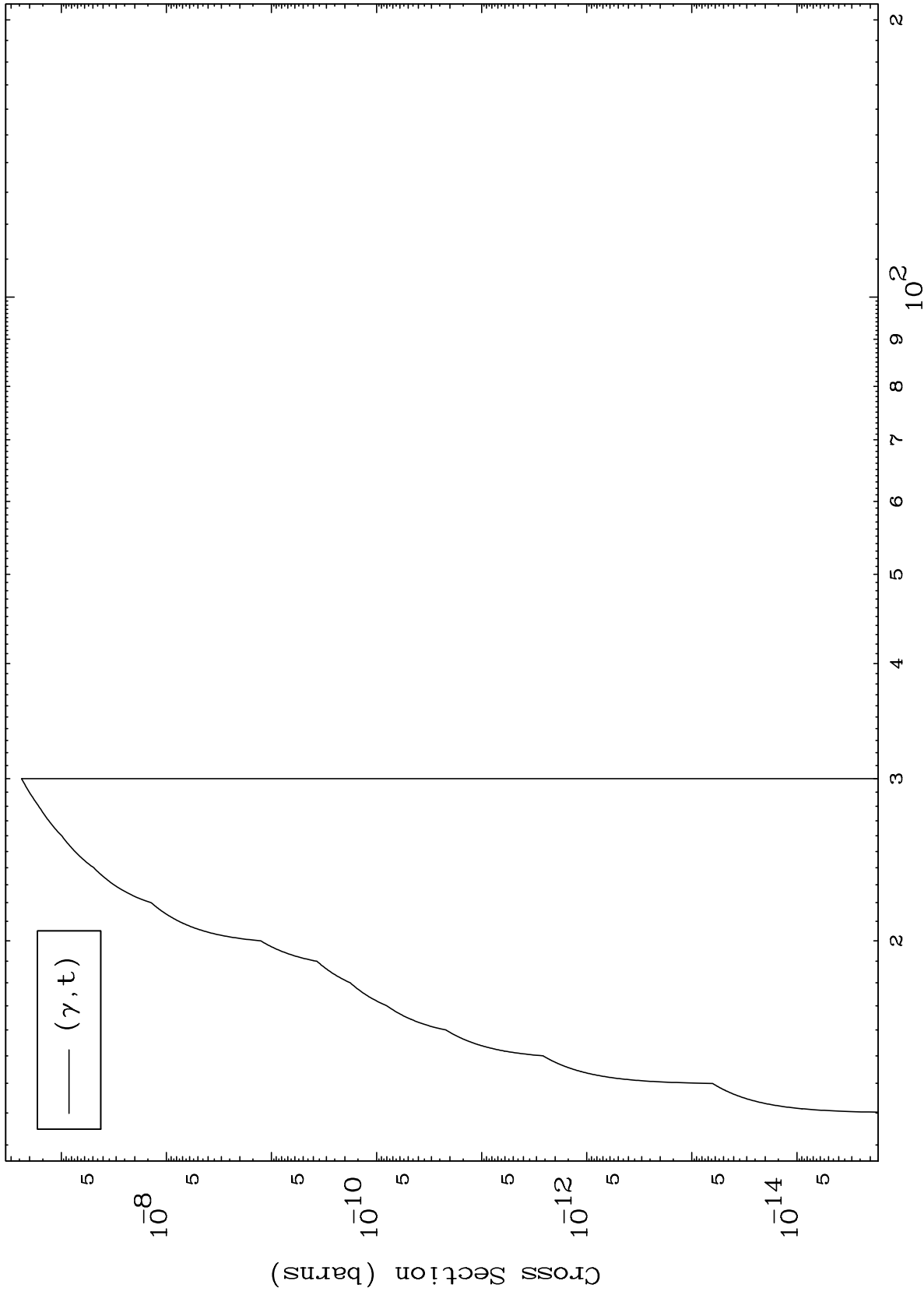
83-Bi-199

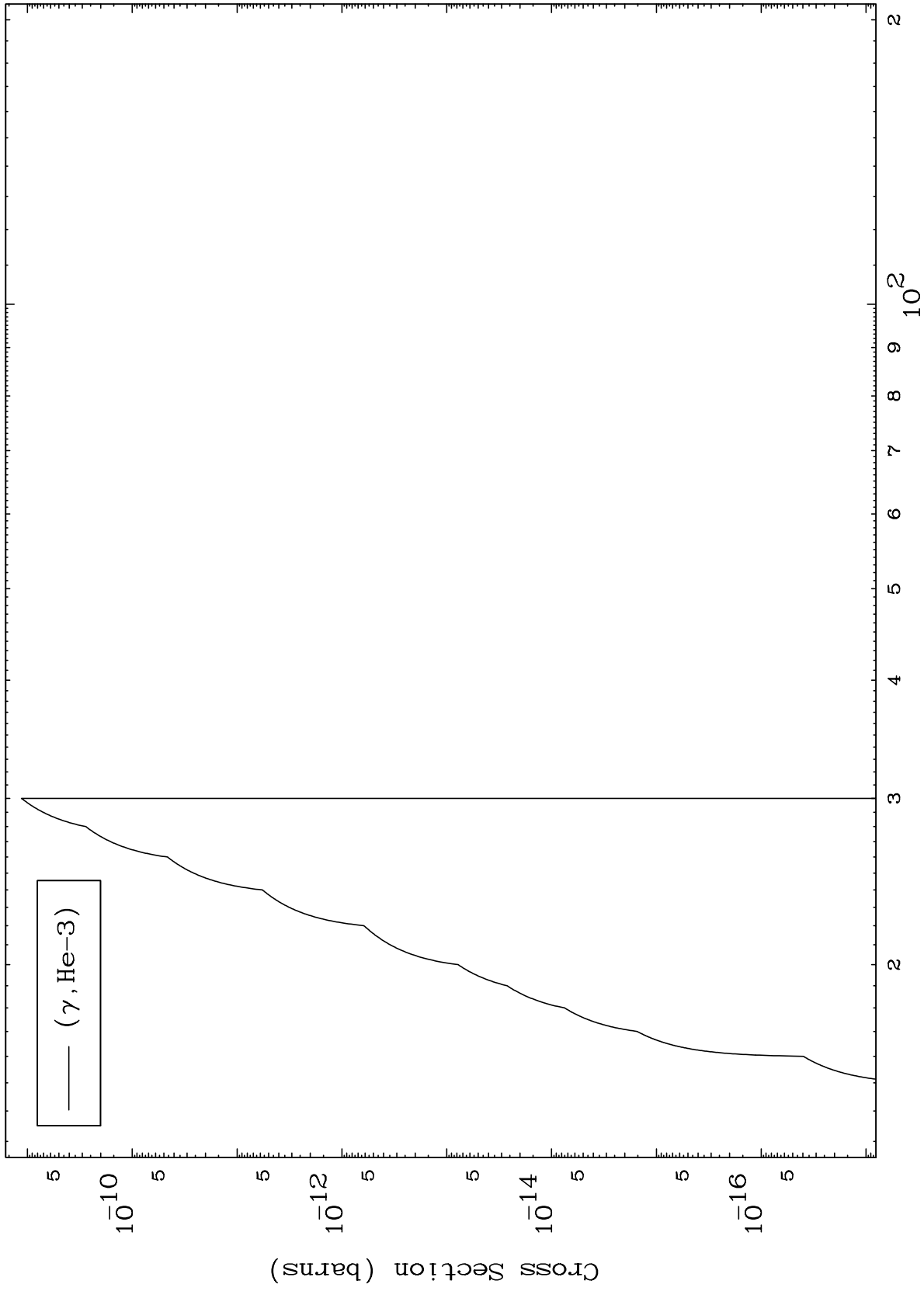


Incident Energy (MeV)

83-Bi-199



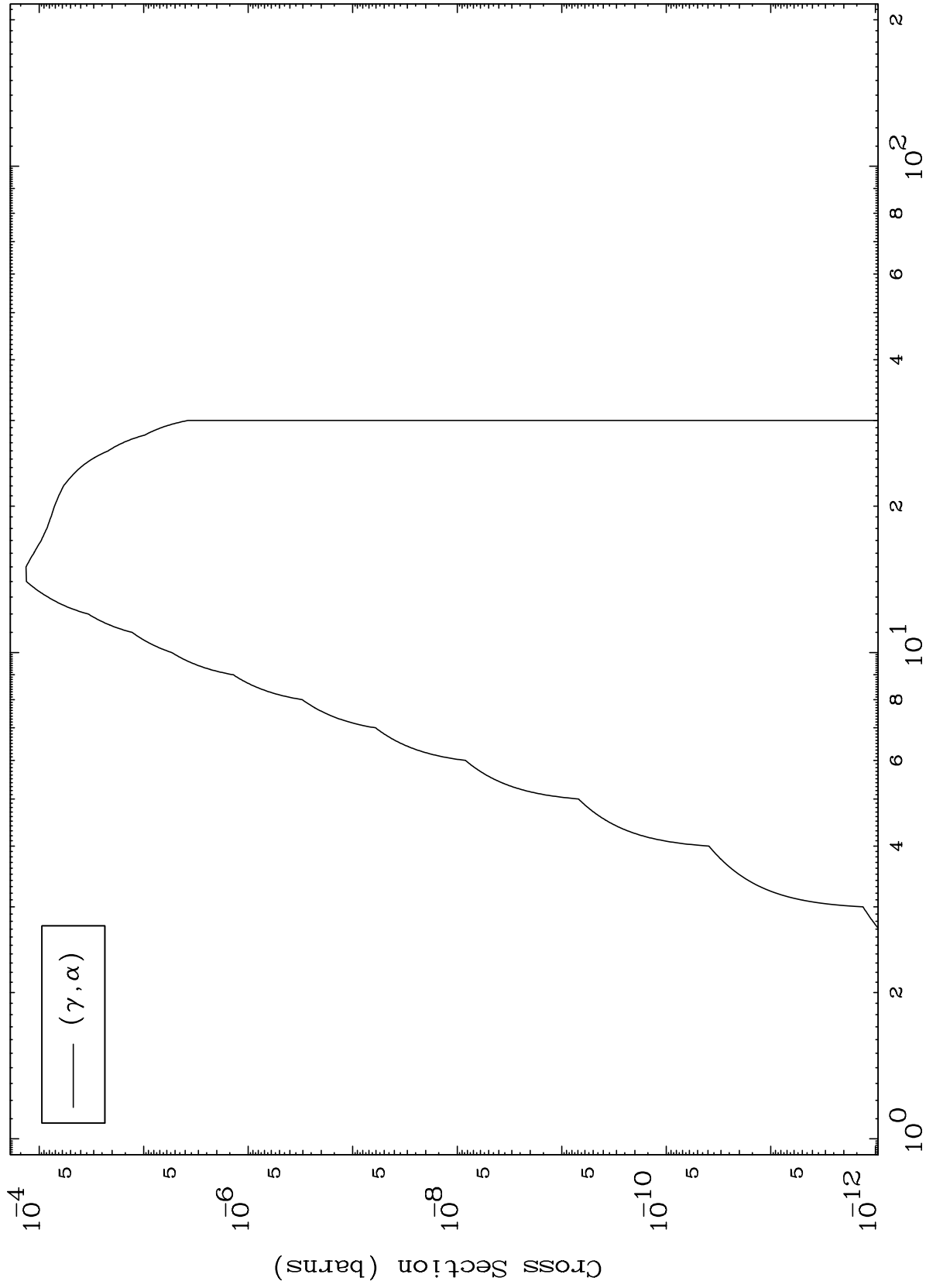




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( $\gamma, \alpha$ ) Levels  
0 Kelvin Cross Sections

83-Bi-199



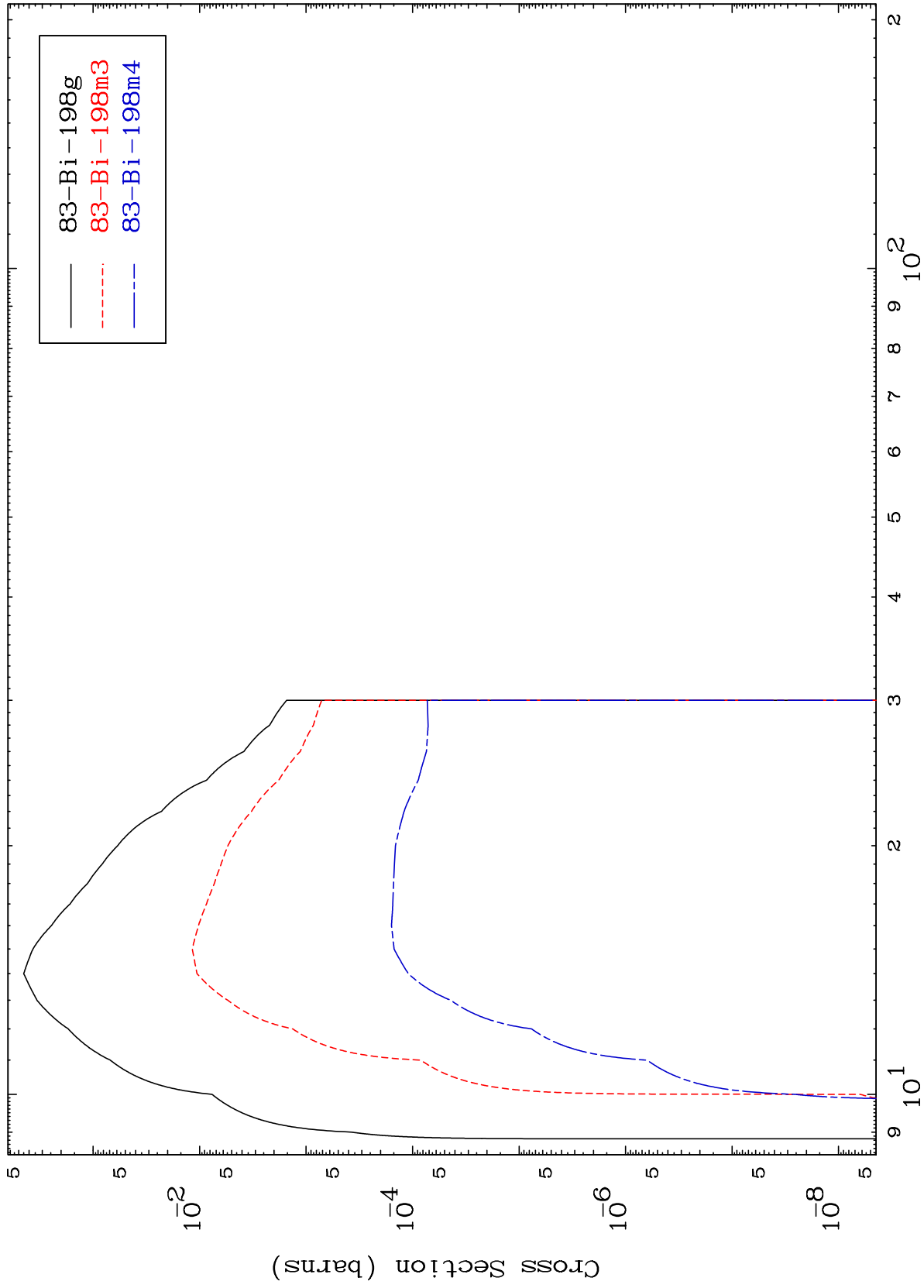
Incident Energy (MeV)

83-Bi-199

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Photon Inelastic  
Radionuclide Production Cross Section

<sup>83</sup>Bi-199



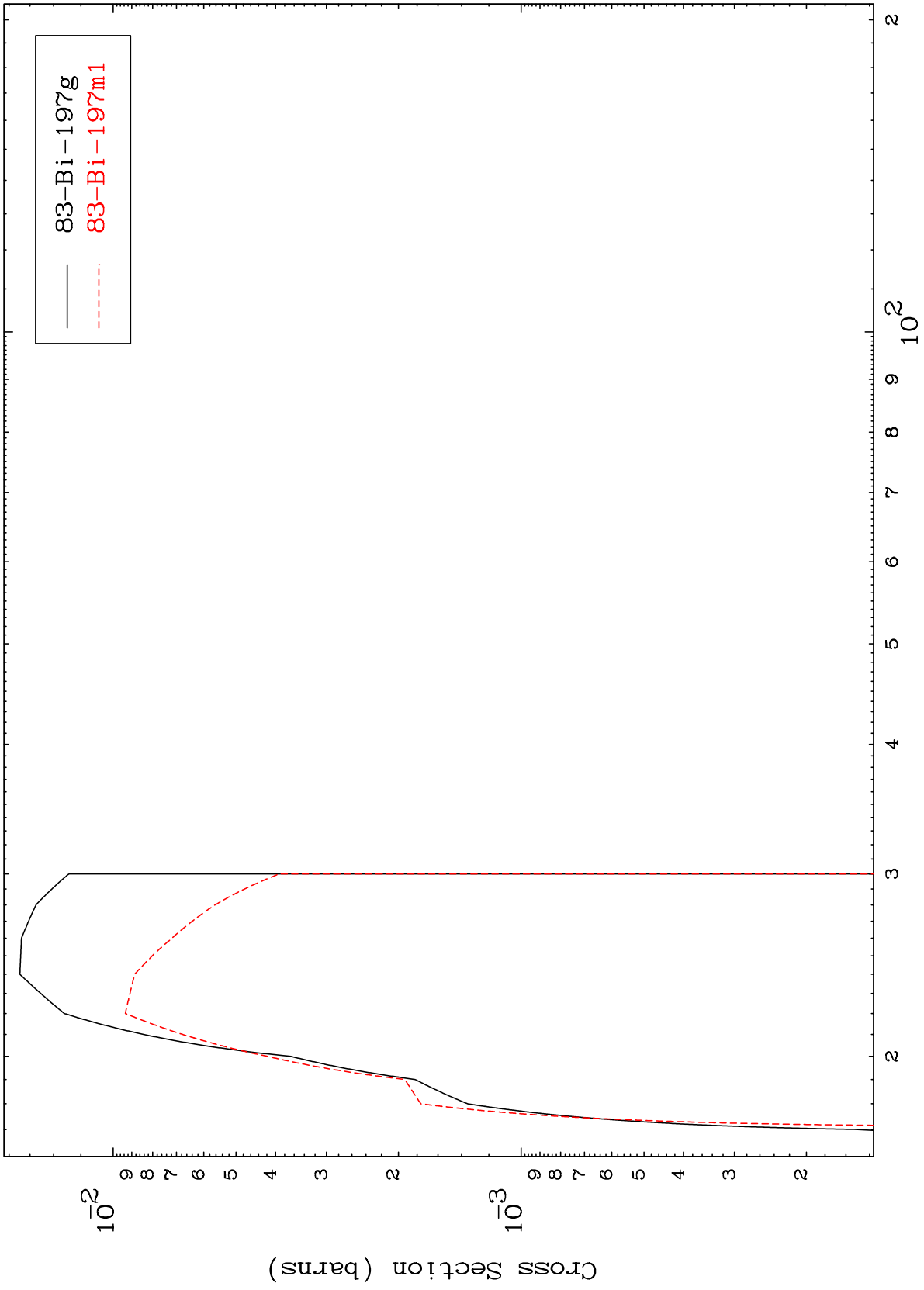
11

<sup>83</sup>Bi-199

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83-Bi-199

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



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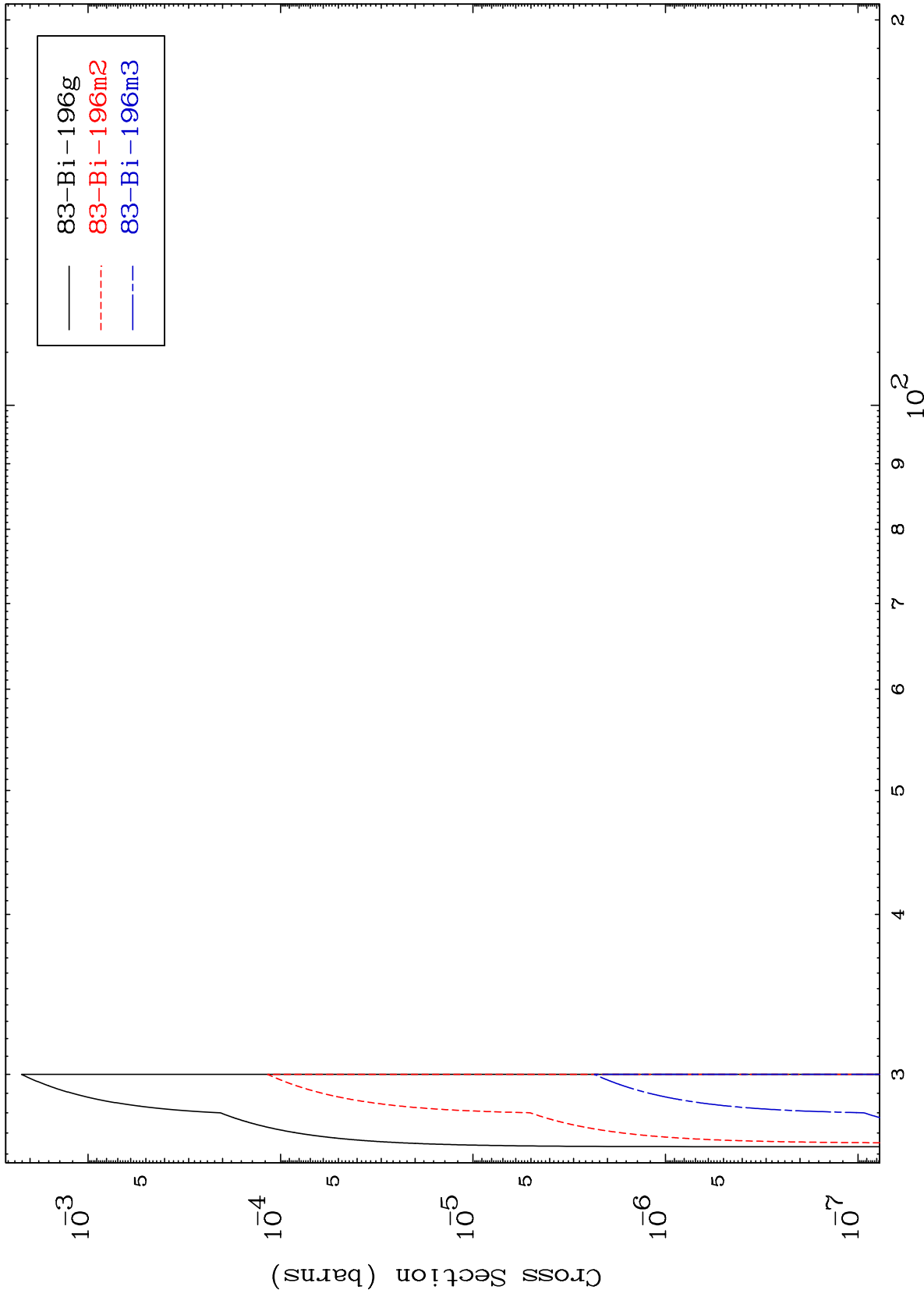
Incident Energy (MeV)

83-Bi-199

MAT 8296

83-Bi-199

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



13

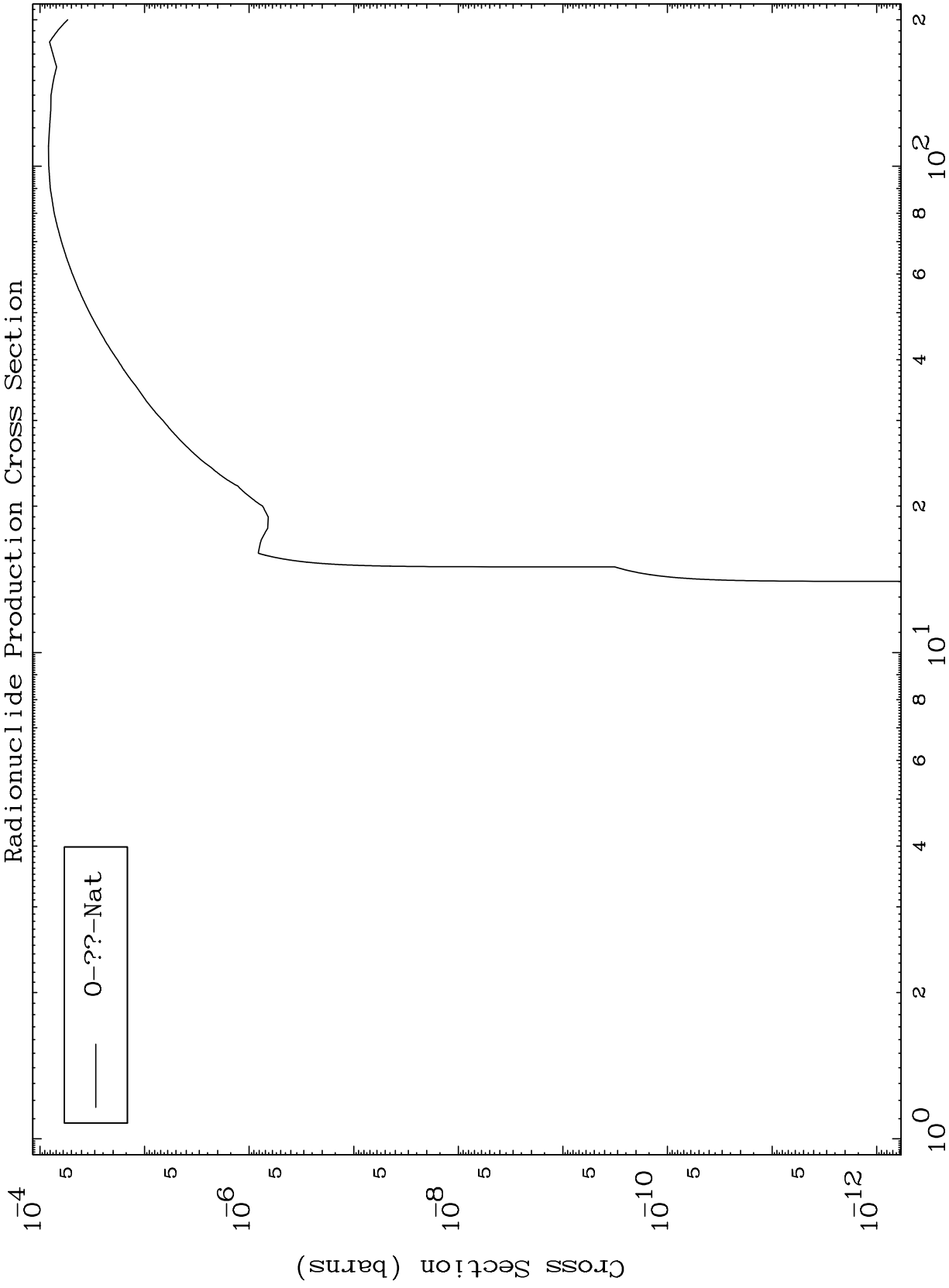
83-Bi-199

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Photon Fission

83-Bi-199

Radionuclide Production Cross Section



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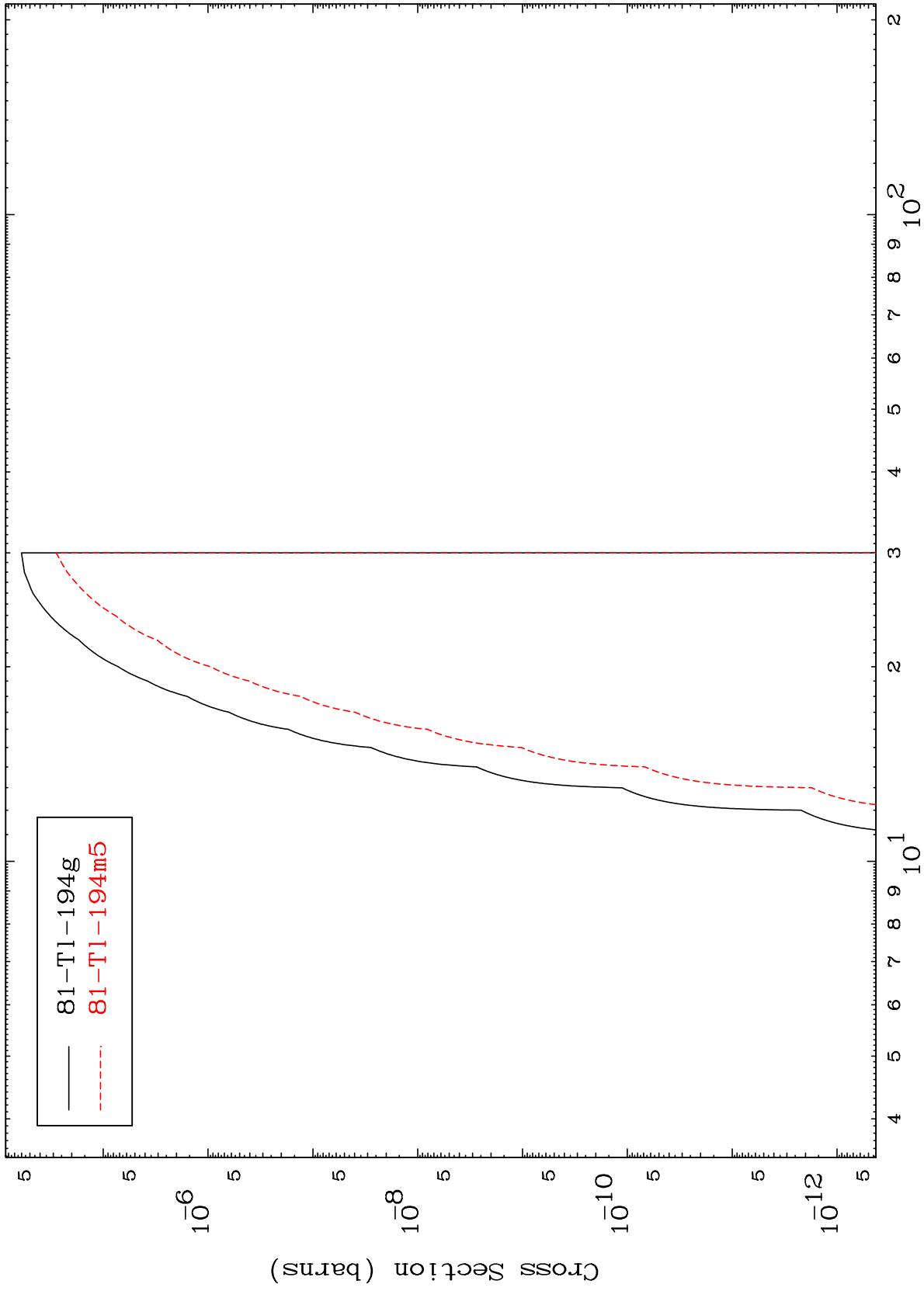
Incident Energy (MeV)

83-Bi-199

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83-Bi-199

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



15

Incident Energy (MeV)

83-Bi-199

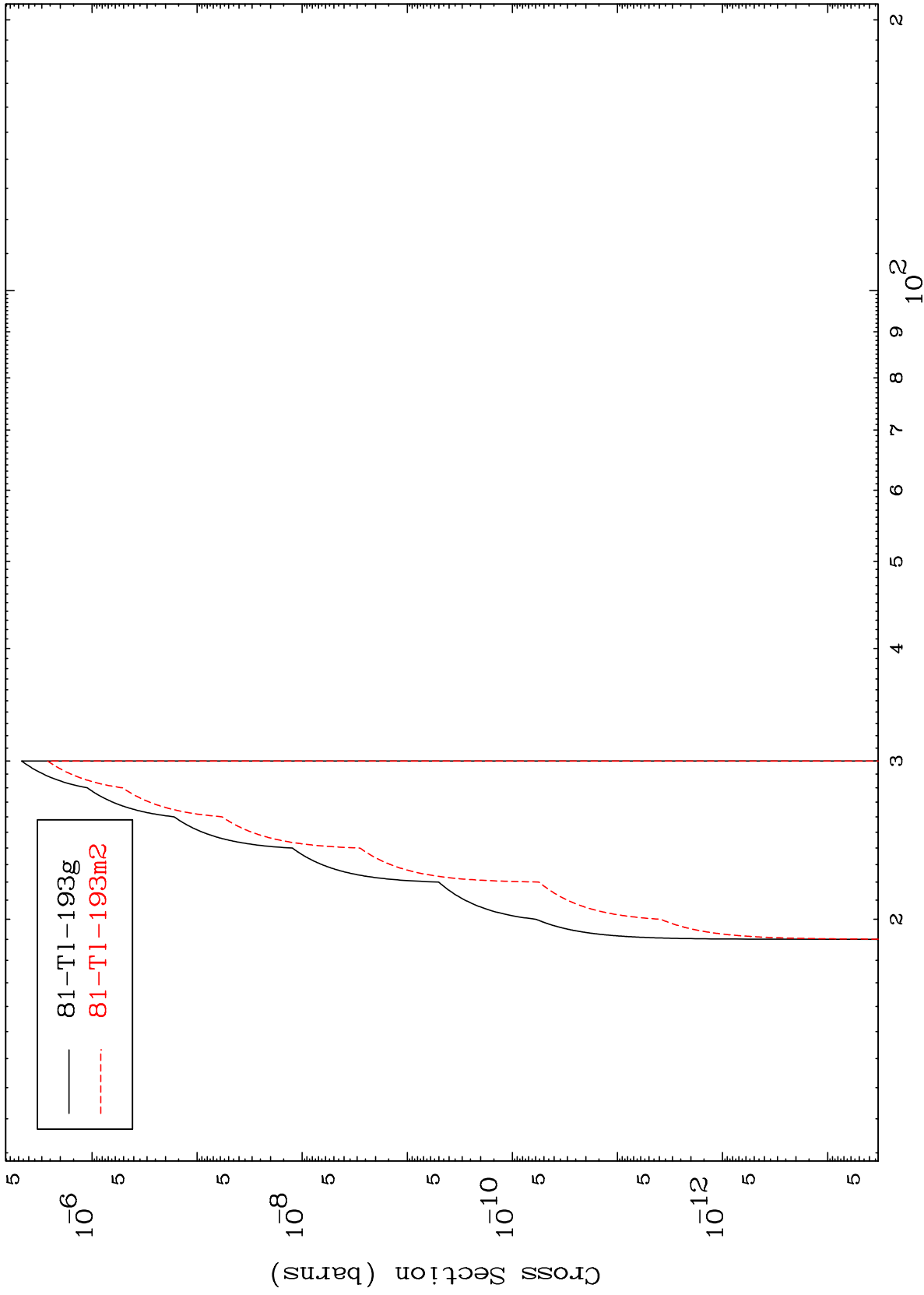


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( $\gamma, 2n$ )  $\alpha$

83-Bi-199

Radionuclide Production Cross Section

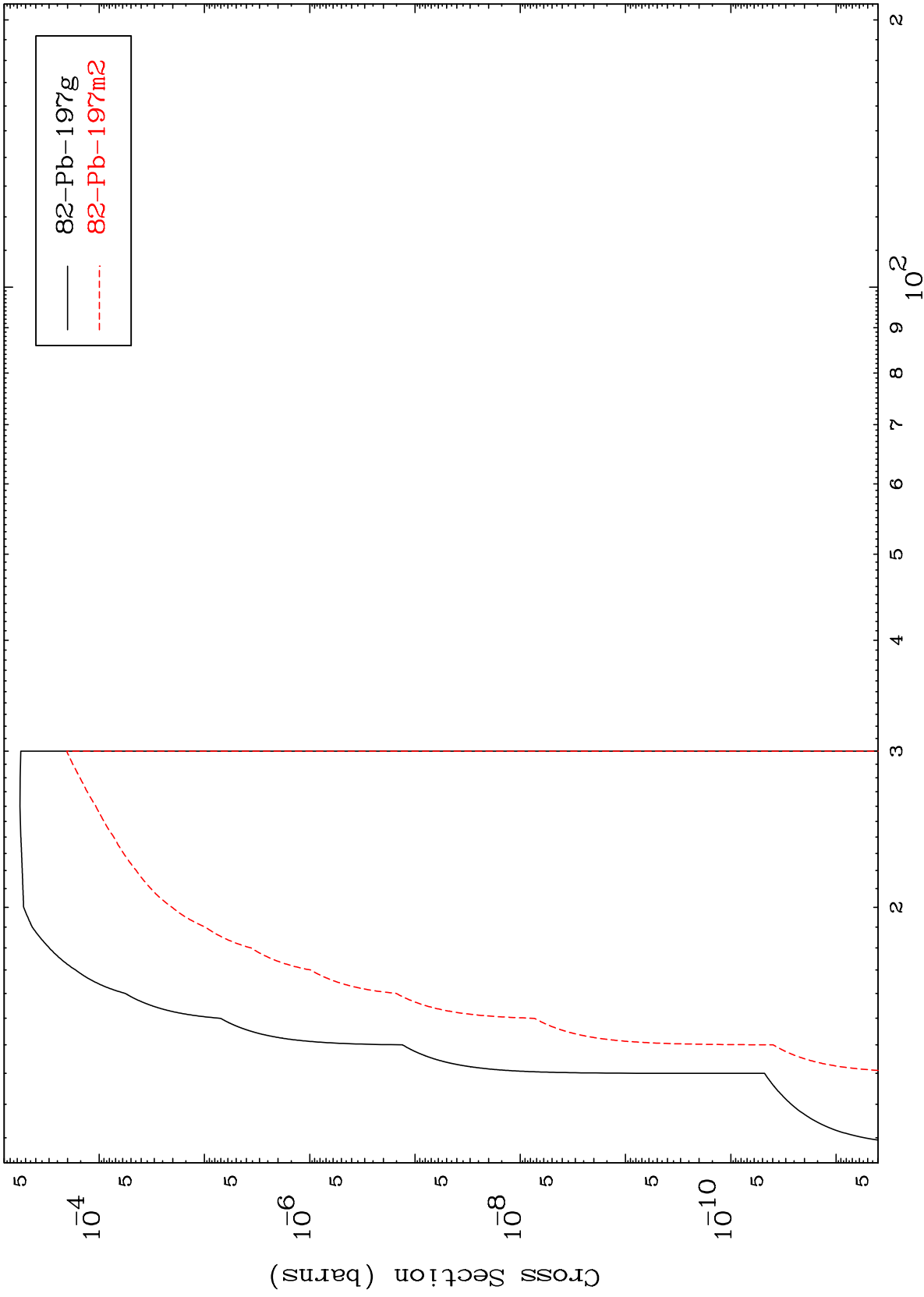


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$(\gamma, n')$  p

83-Bi-199

Radionuclide Production Cross Section



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Incident Energy (MeV)

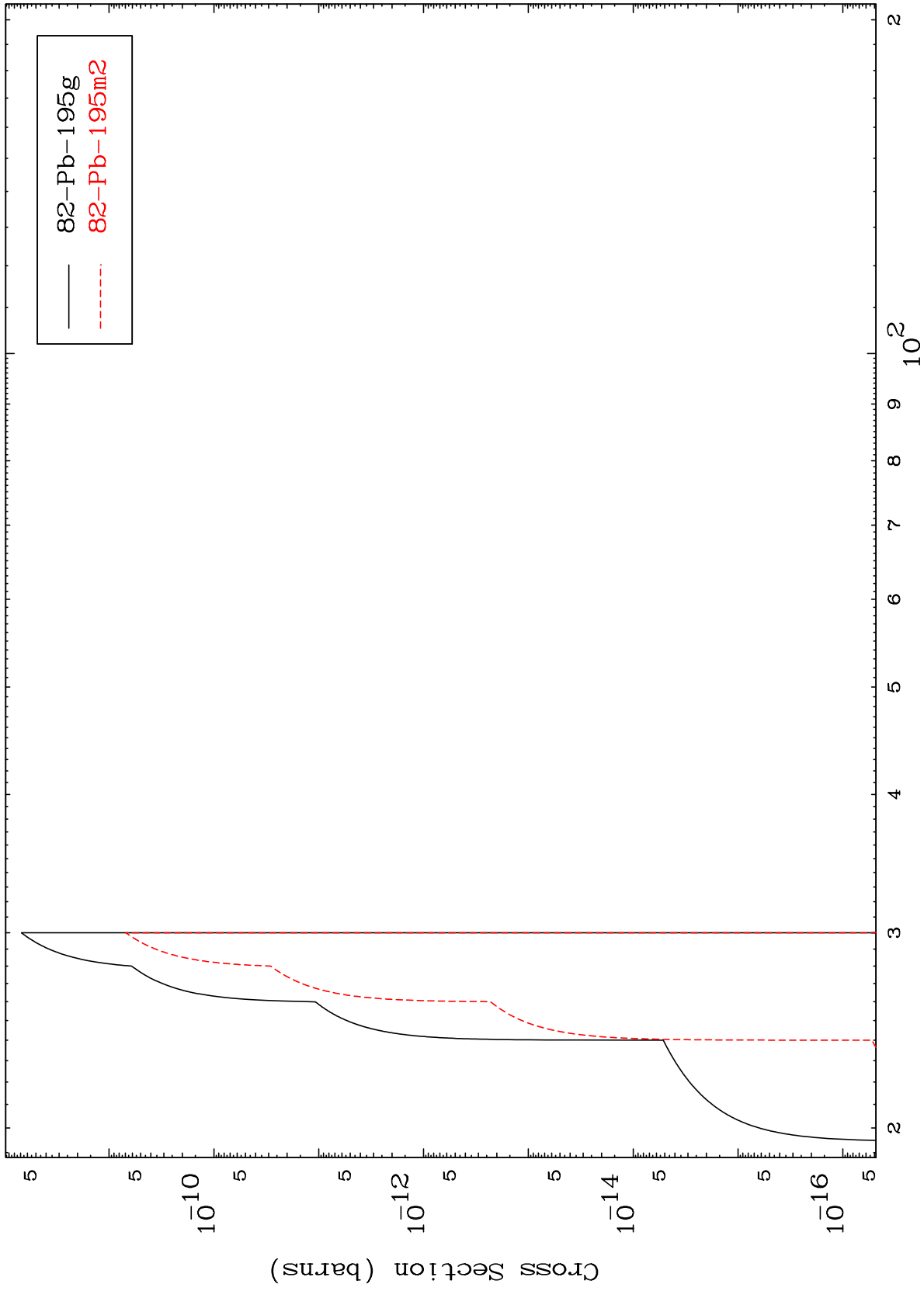
83-Bi-199

MAT 8296

( $\gamma, n'$ ) t

83-Bi-199

Radionuclide Production Cross Section



18

Incident Energy (MeV)

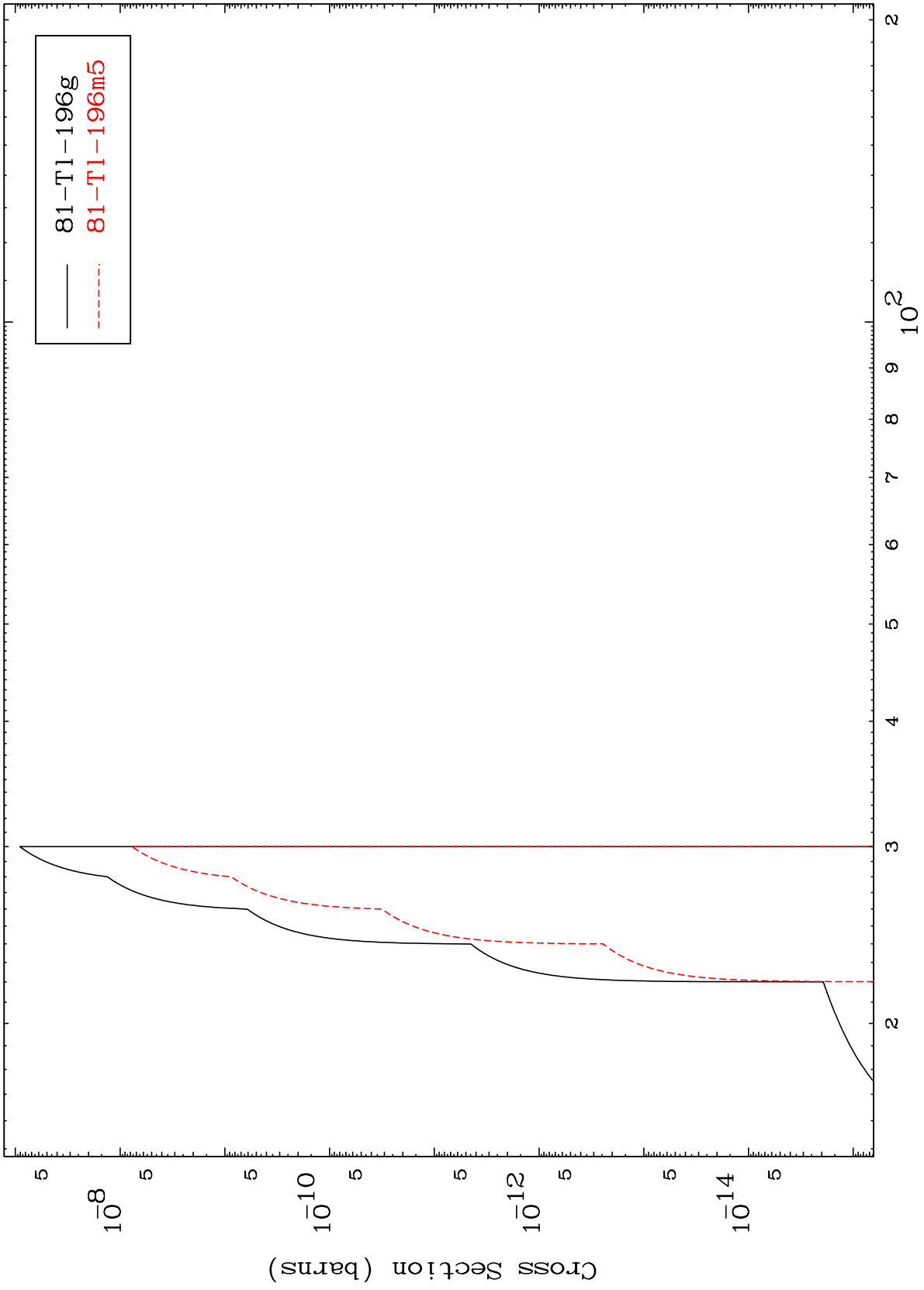
83-Bi-199

MAT 8296

$(\gamma, 2n)$  p

83-Bi-199

Radionuclide Production Cross Section



19

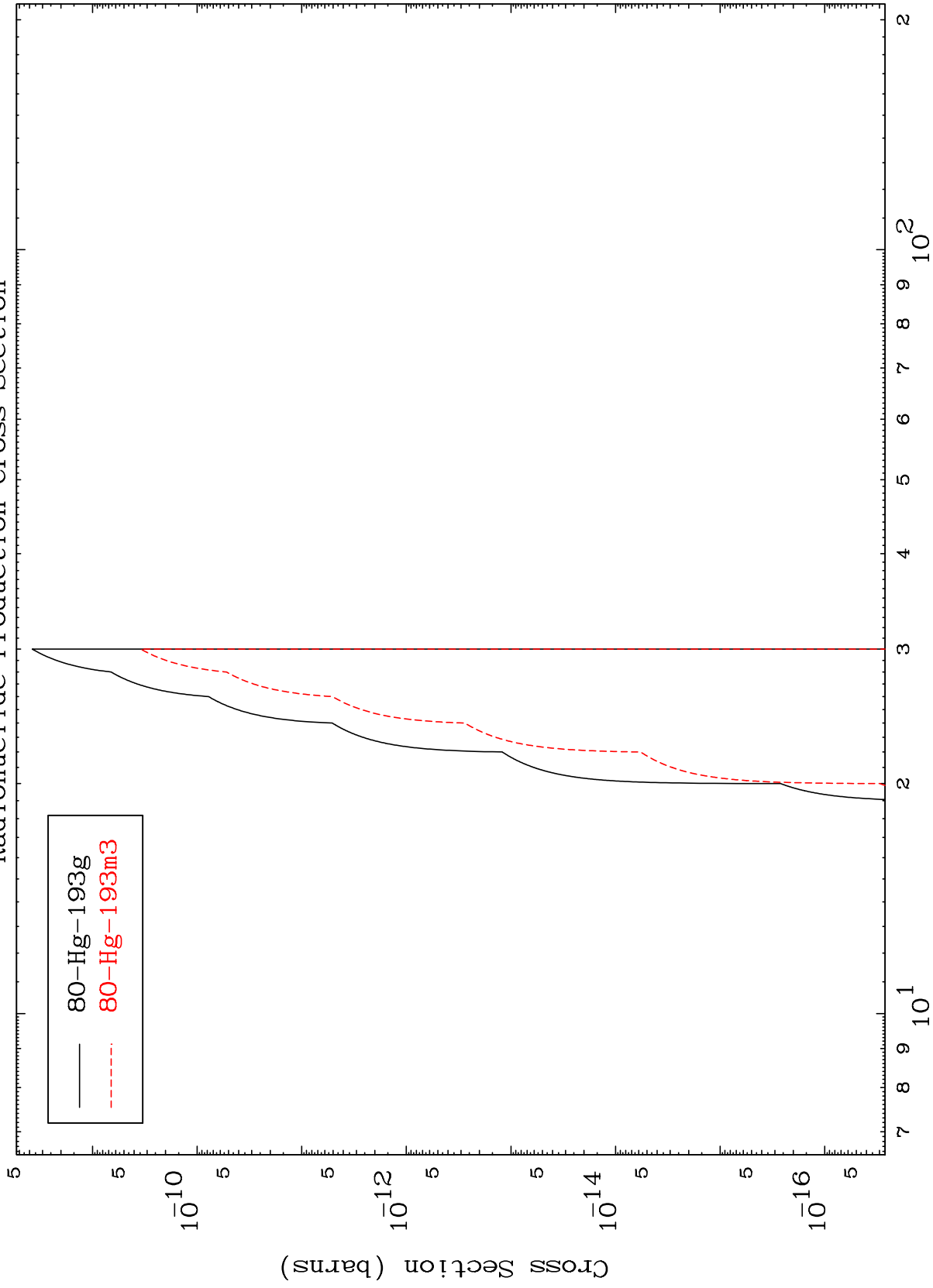
Incident Energy (MeV)

83-Bi-199

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83-Bi-199

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



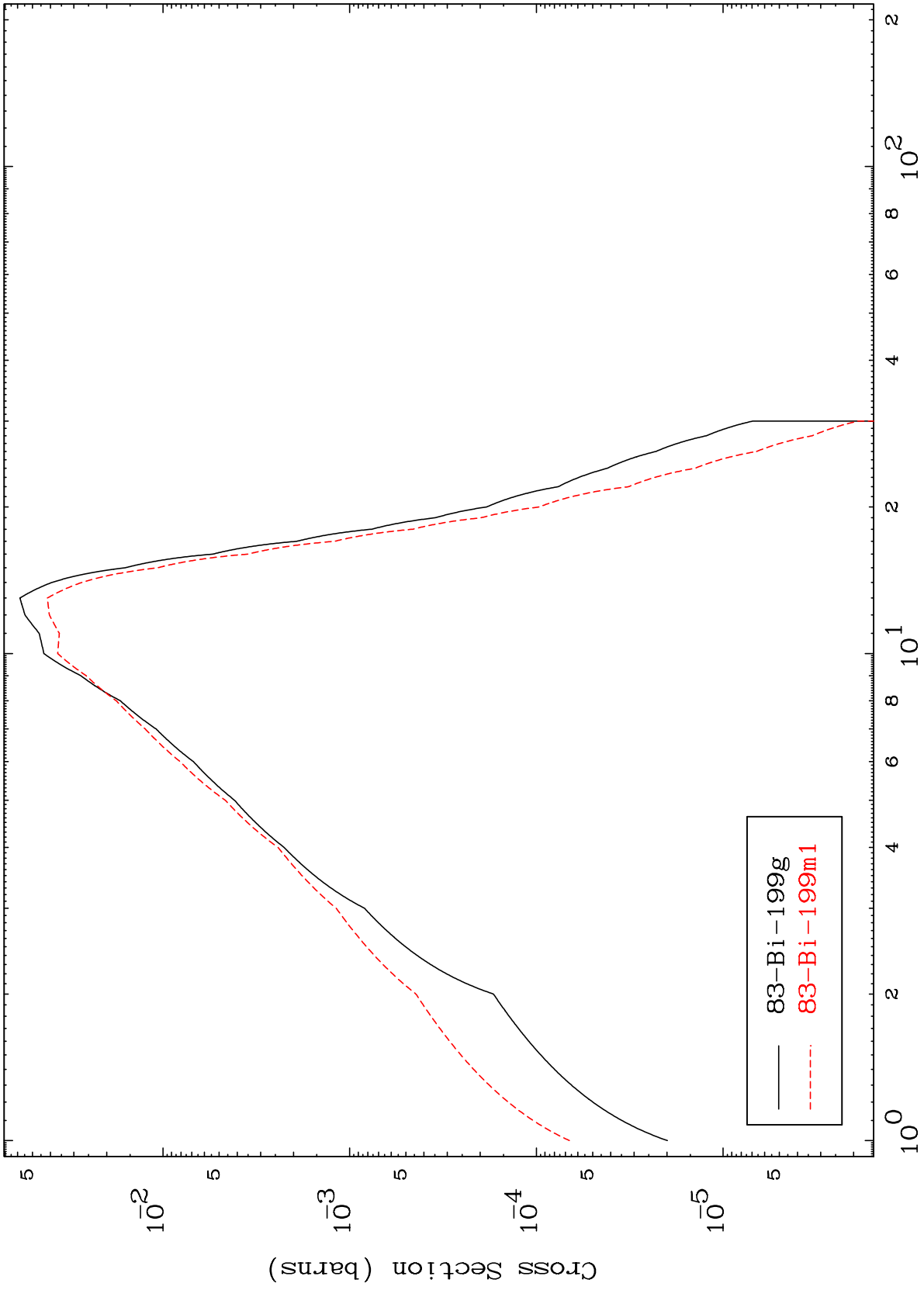
20

83-Bi-199

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83-Bi-199

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



21

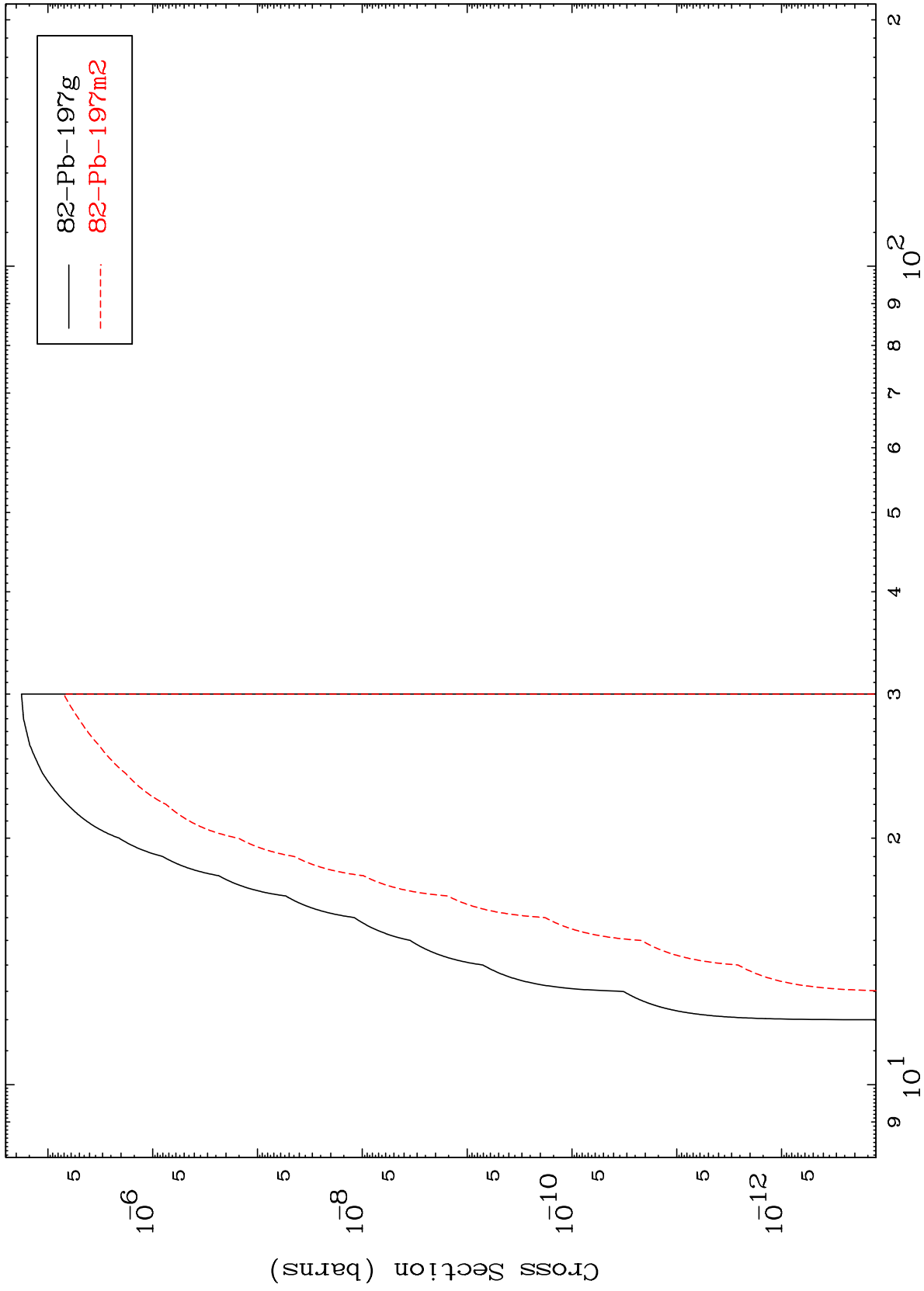
Incident Energy (MeV)

83-Bi-199

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83-Bi-199

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



22

Incident Energy (MeV)

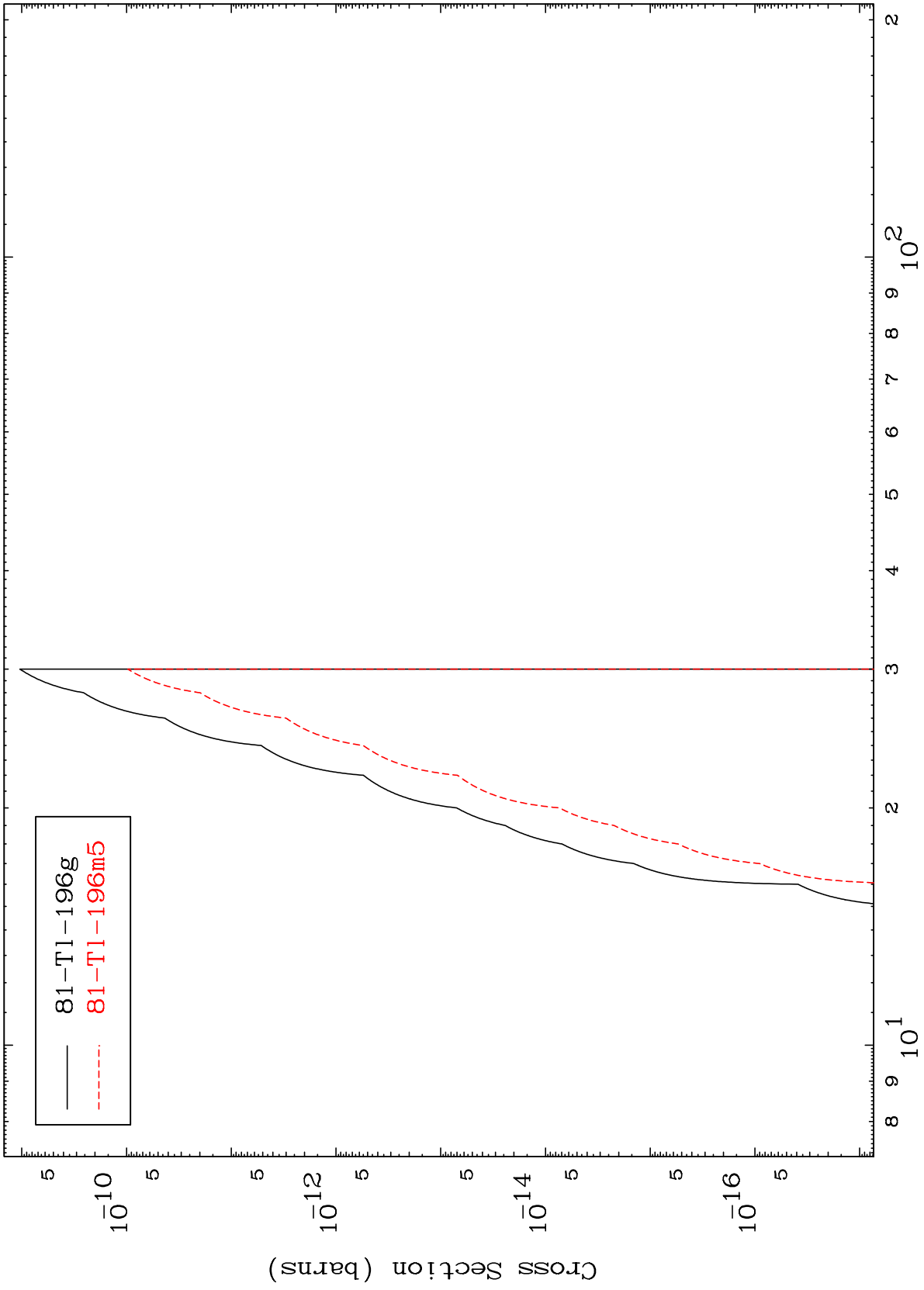
83-Bi-199

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

83-Bi-199

Radionuclide Production Cross Section



23

Incident Energy (MeV)

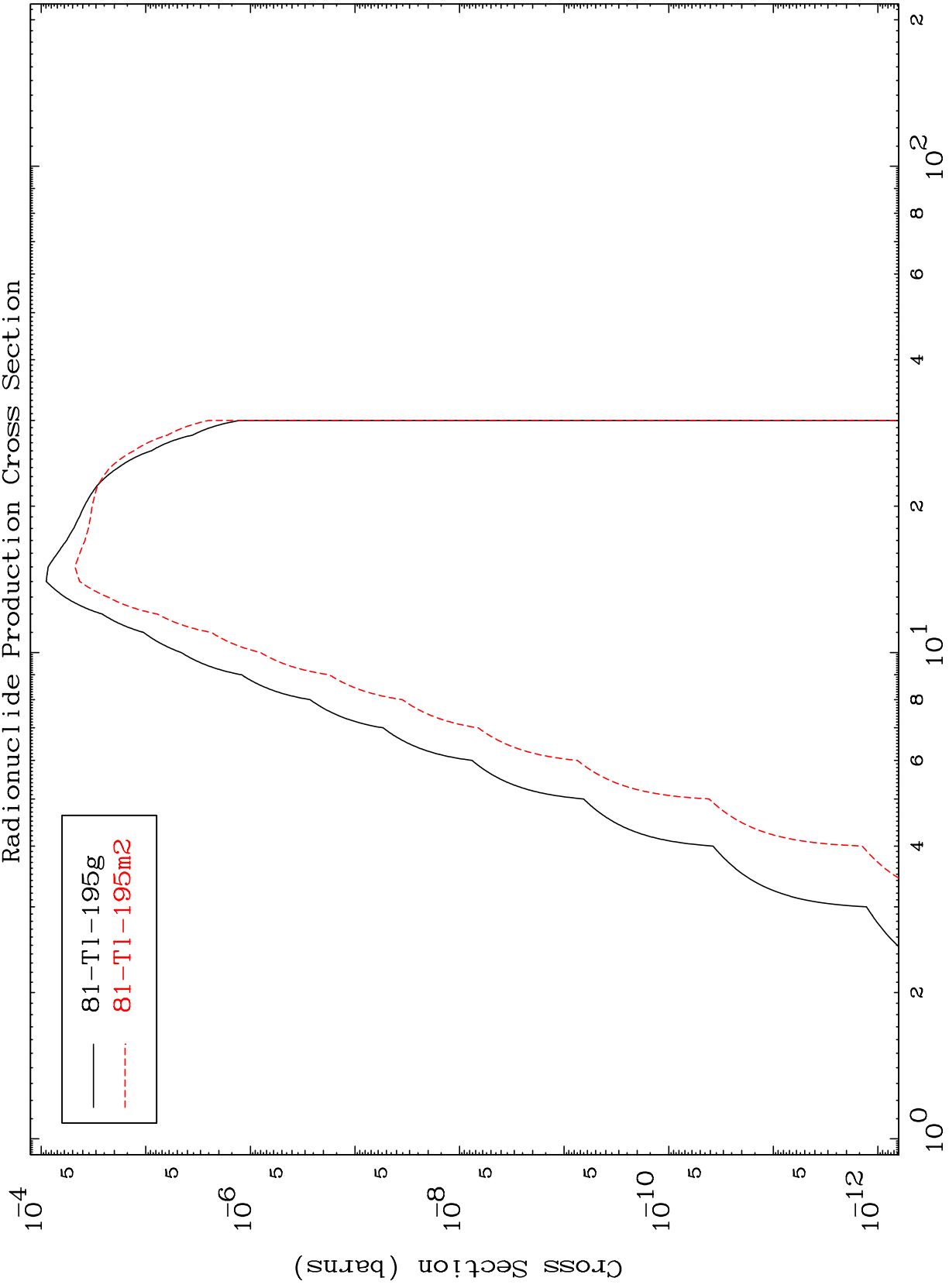
83-Bi-199



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83-Bi-199

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



81-Tl-195g  
81-Tl-195m2

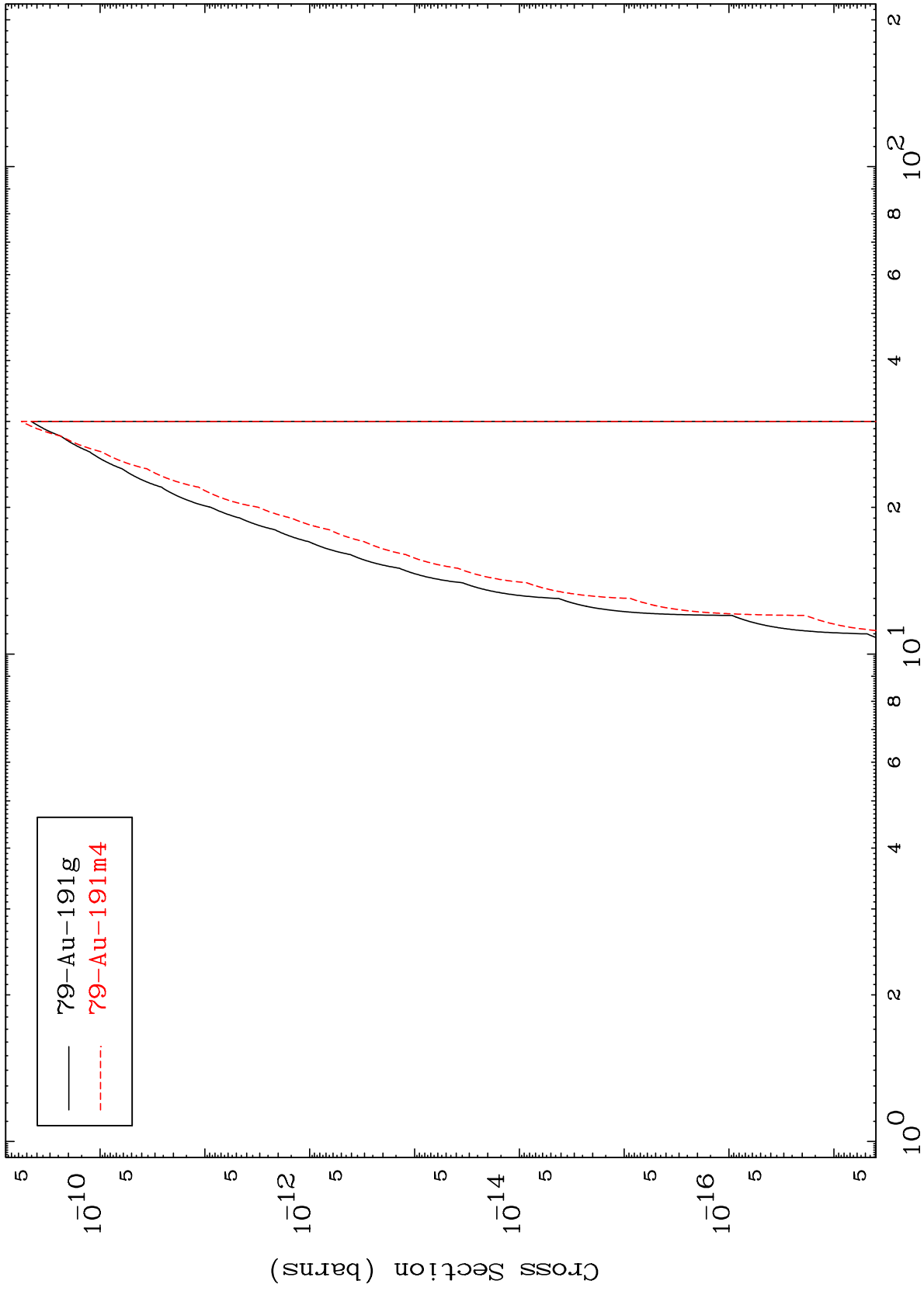
24

83-Bi-199

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83-Bi-199

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



25

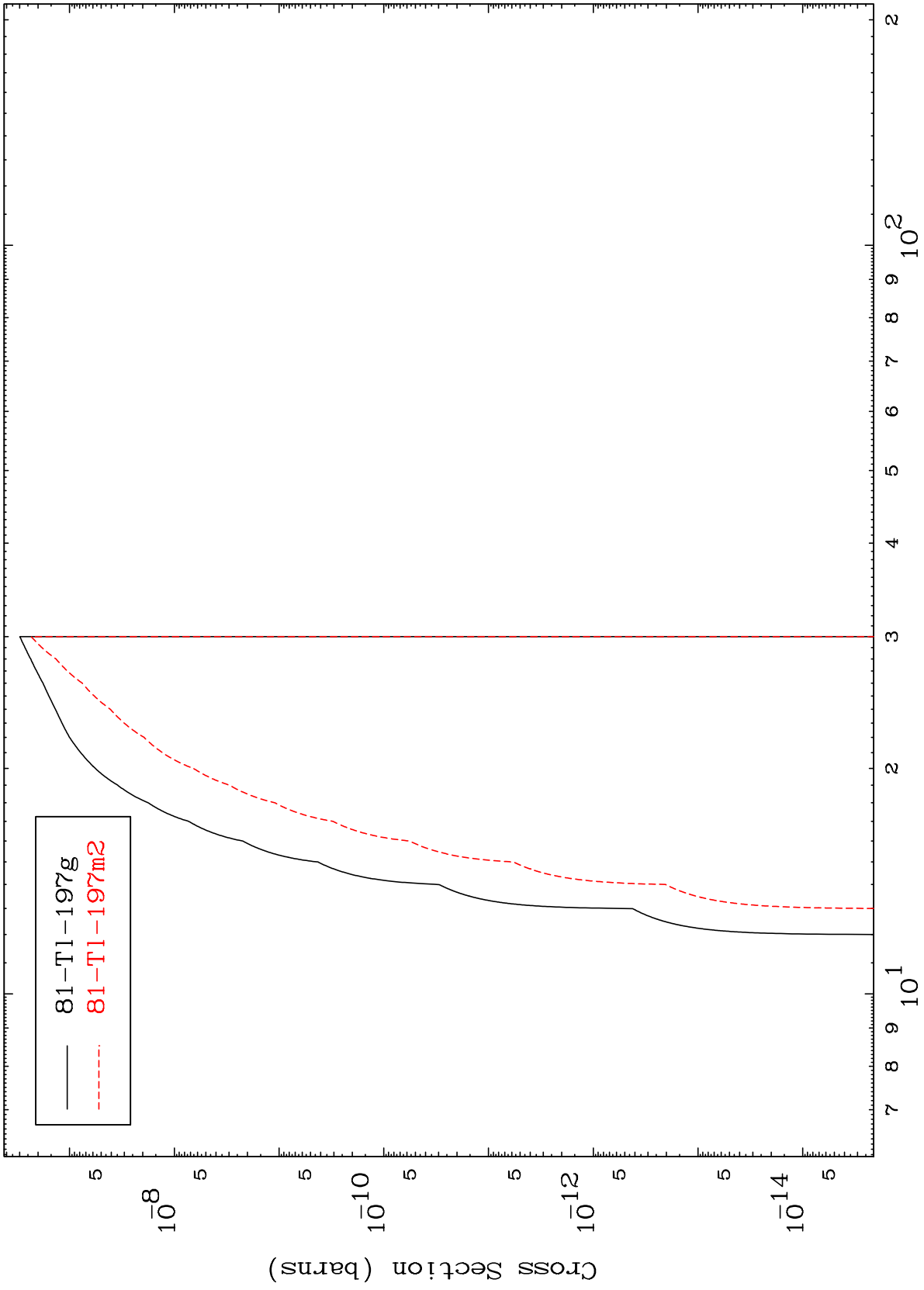
Incident Energy (MeV)

83-Bi-199

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83-Bi-199

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



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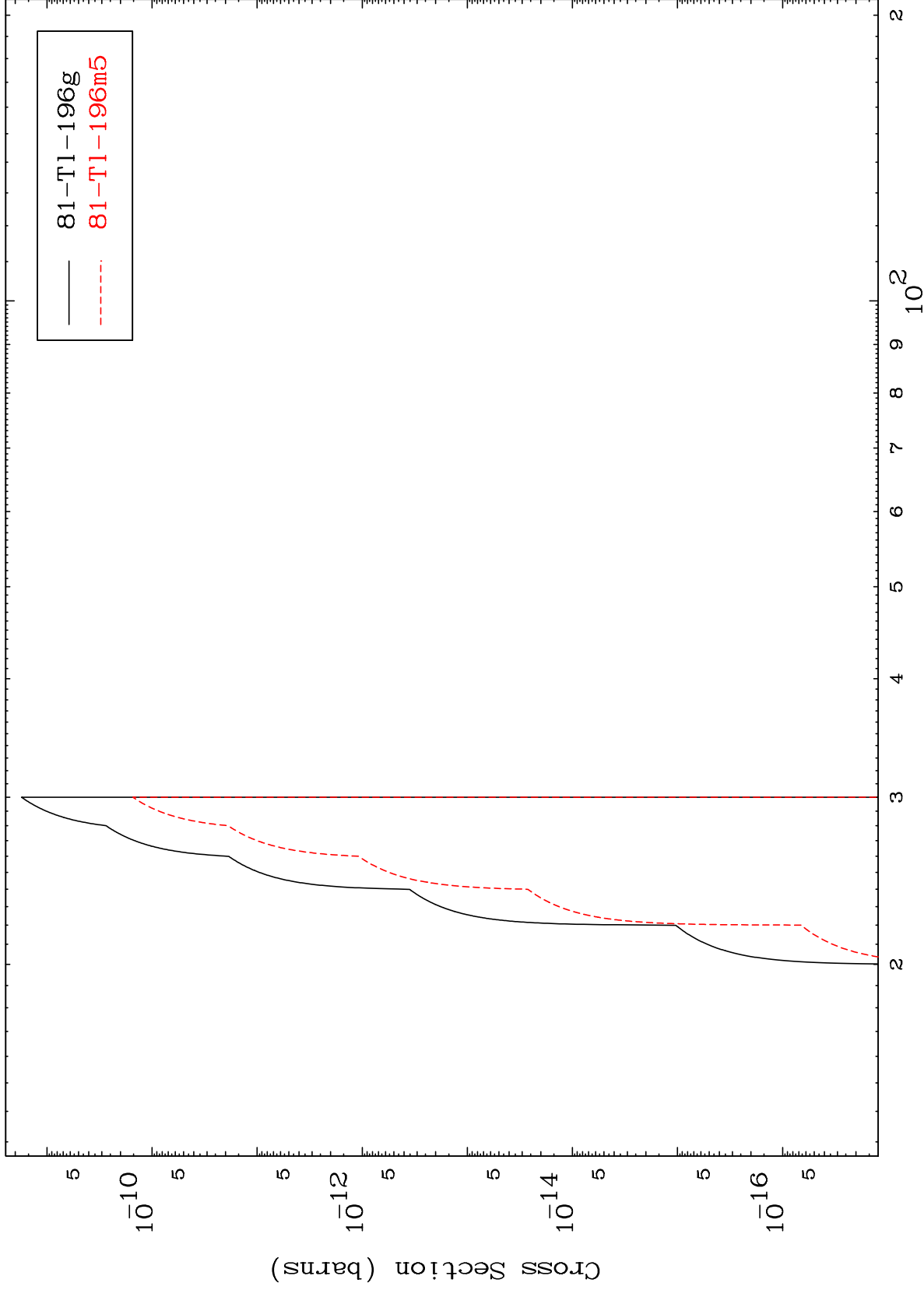
83-Bi-199

MAT 8296

( $\gamma, p$ ) d

83-Bi-199

Radionuclide Production Cross Section



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Incident Energy (MeV)

83-Bi-199