

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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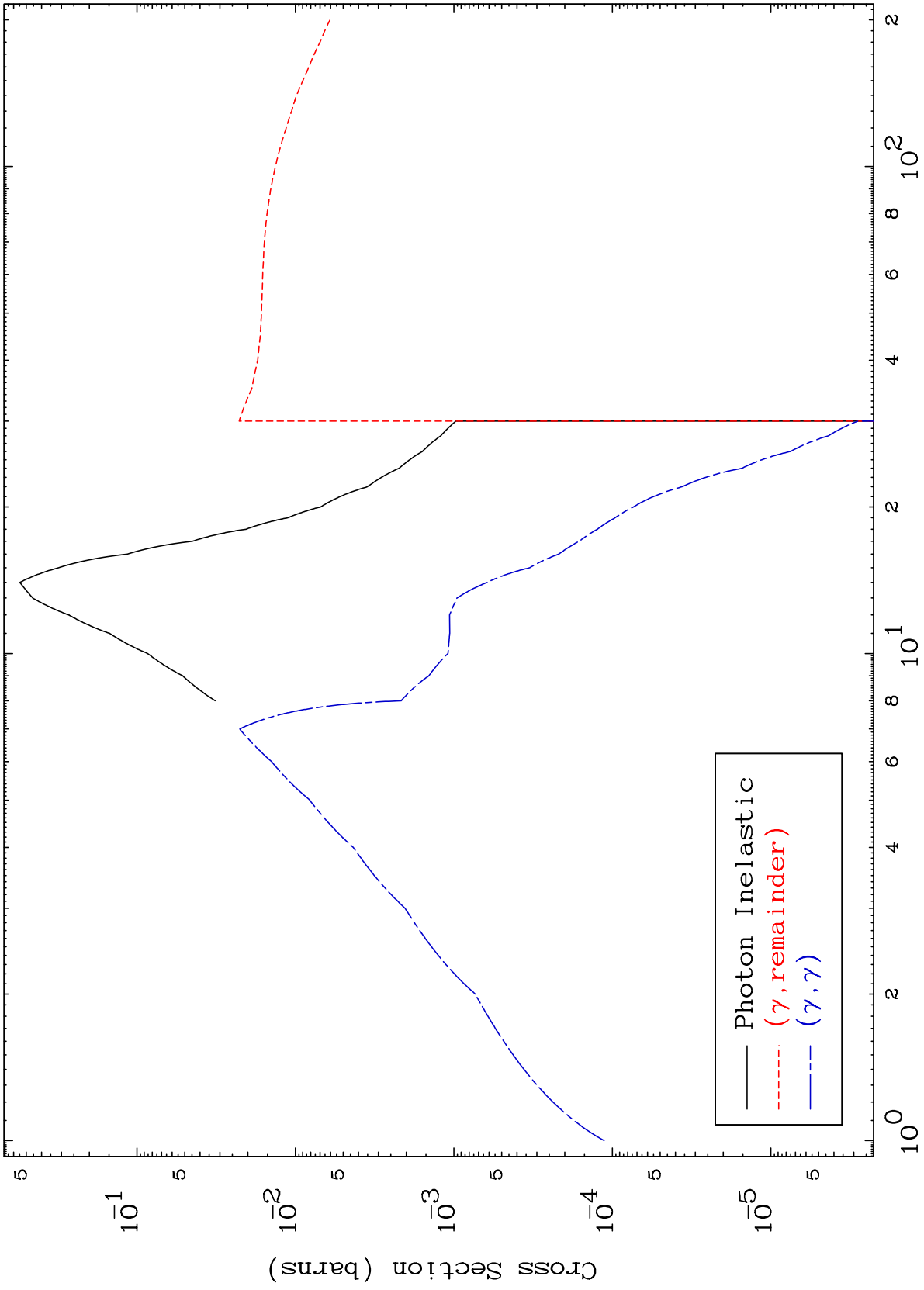
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

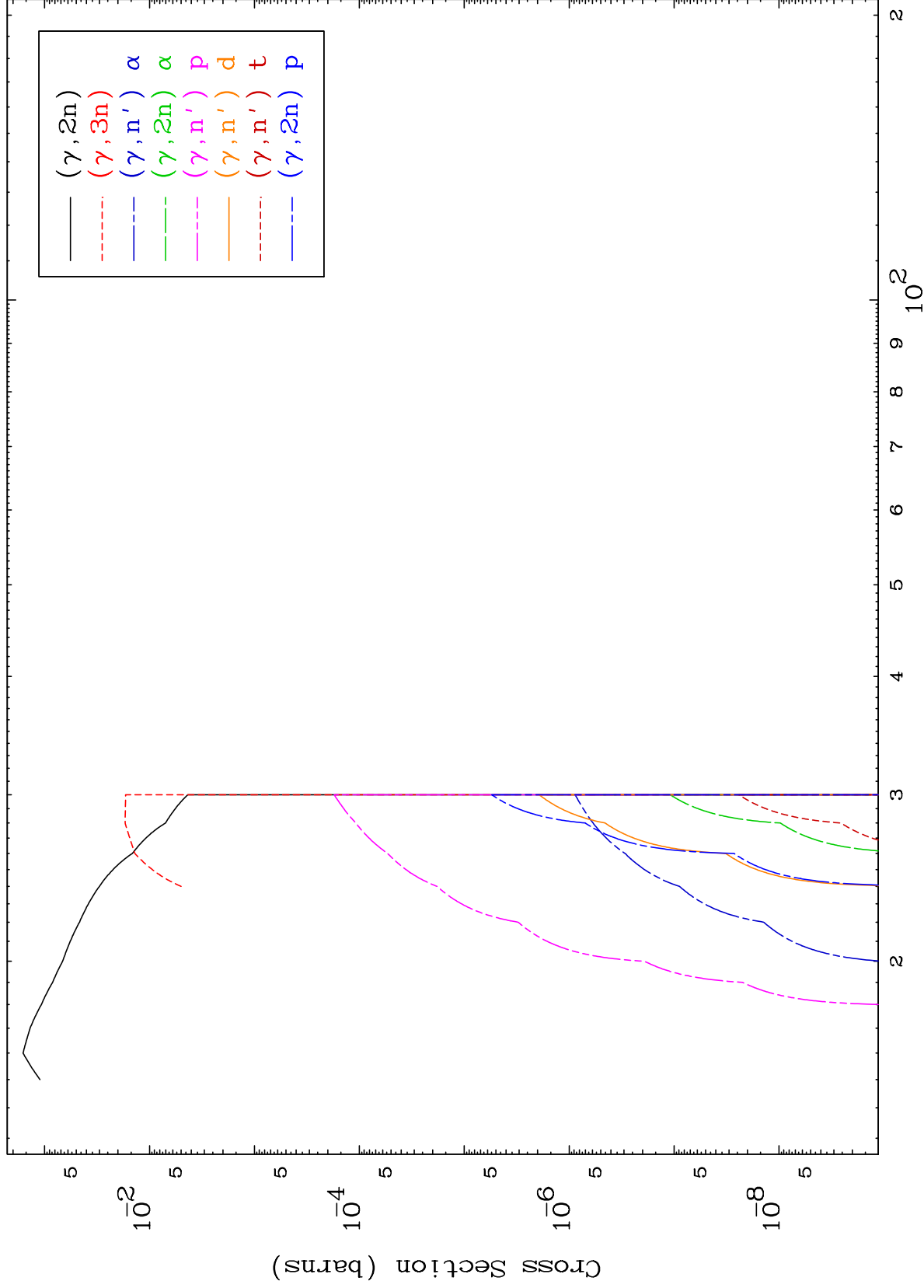
Press Mouse Button to Start

MAT 7931

Photon Major  
0 Kelvin Cross Sections

79-Au-199

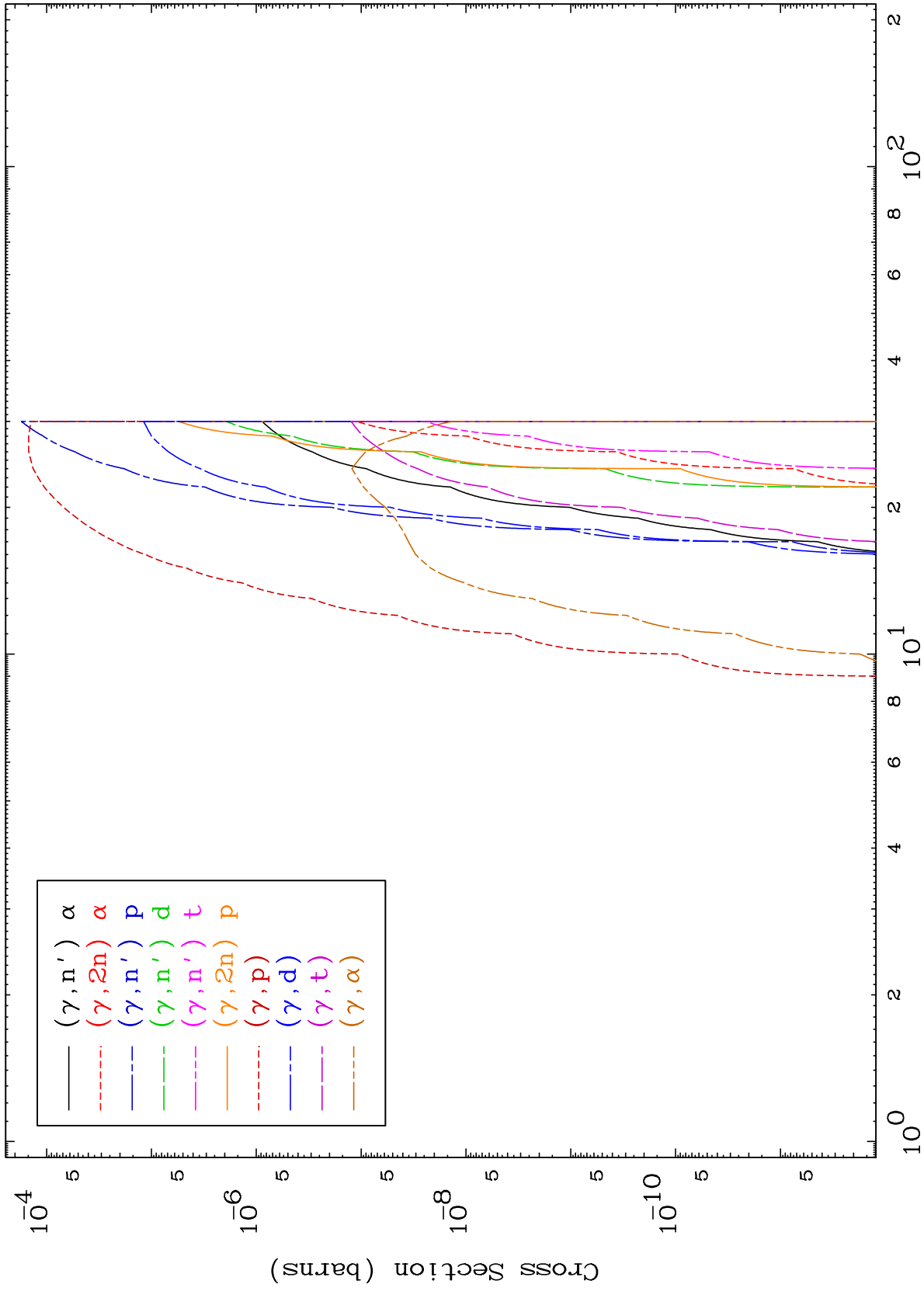




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Photon Charged Particle  
0 Kelvin Cross Sections

79-Au-199



Incident Energy (MeV)

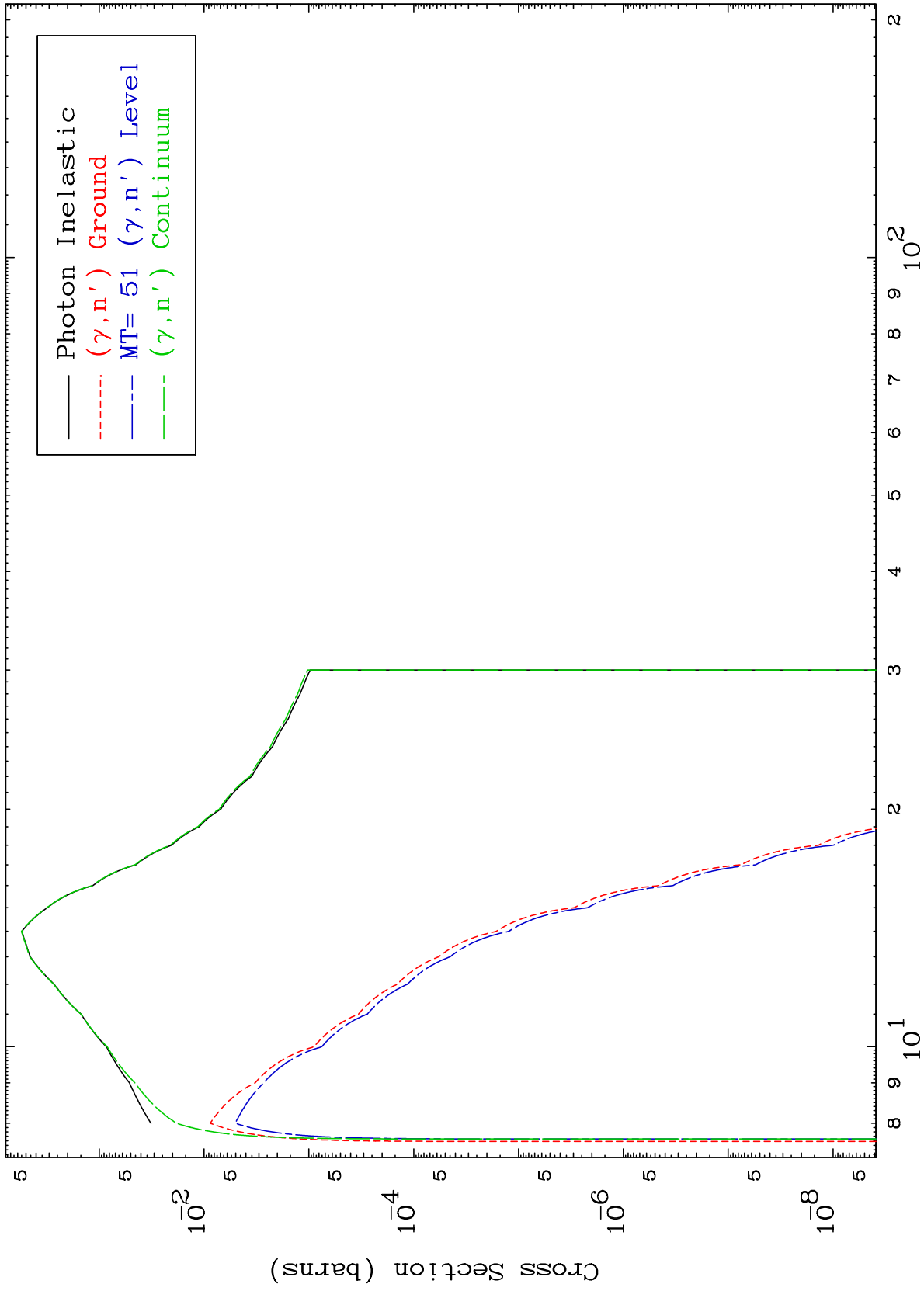
79-Au-199

3

MAT 7931

$(\gamma, n')$  Level  
0 Kelvin Cross Sections

79-Au-199



4

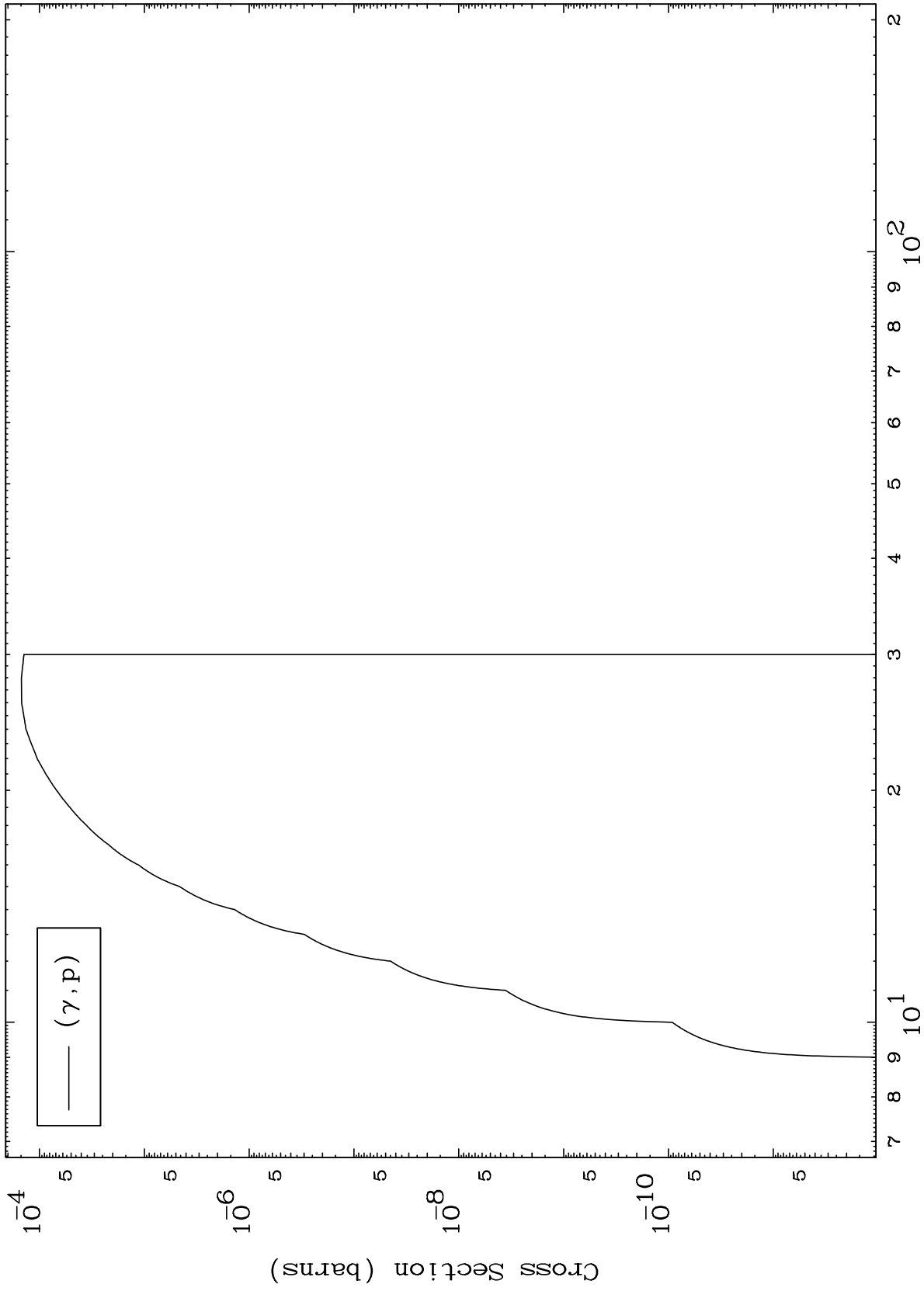
Incident Energy (MeV)

79-Au-199

MAT 7931

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

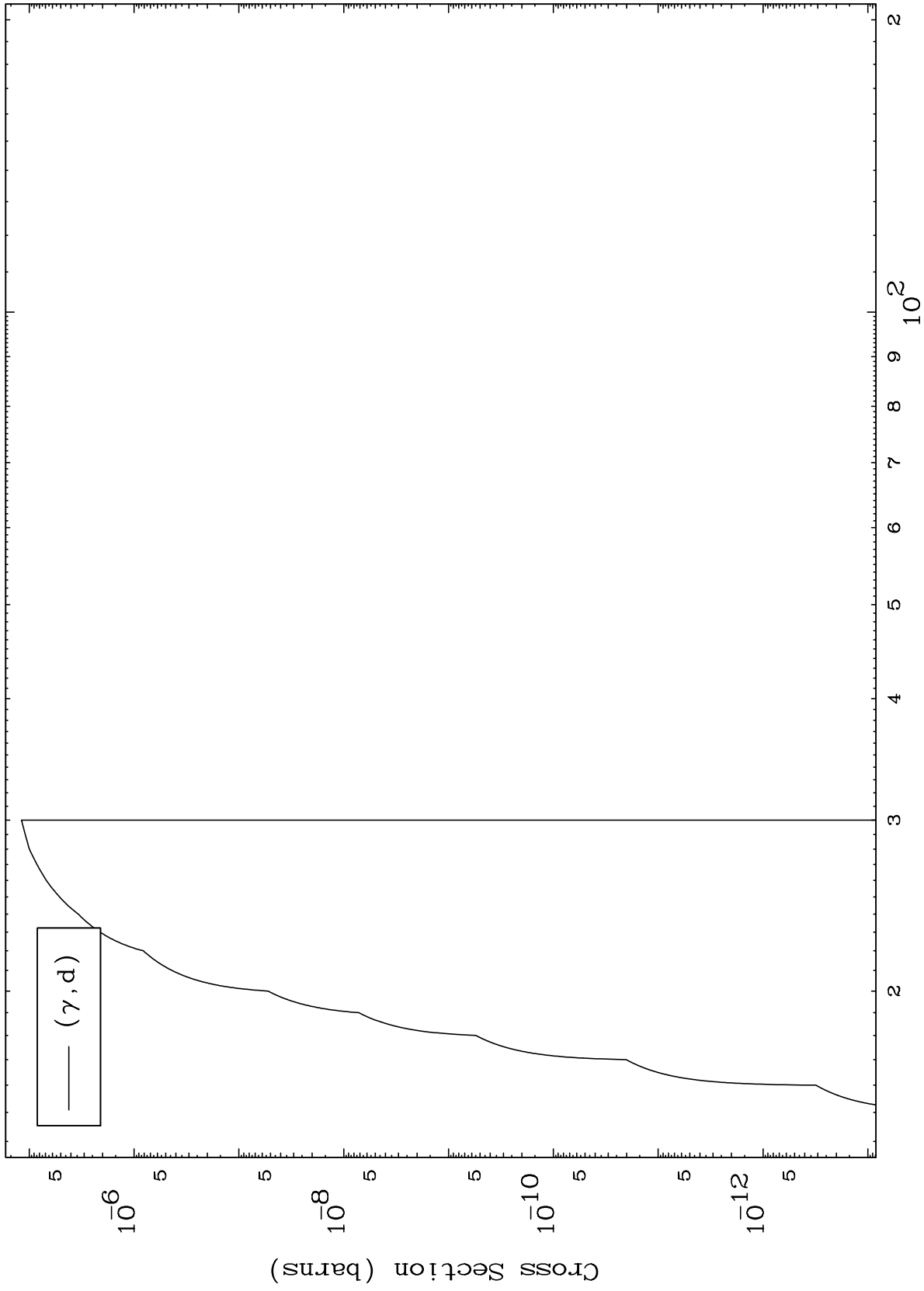
79-Au-199



5

Incident Energy (MeV)

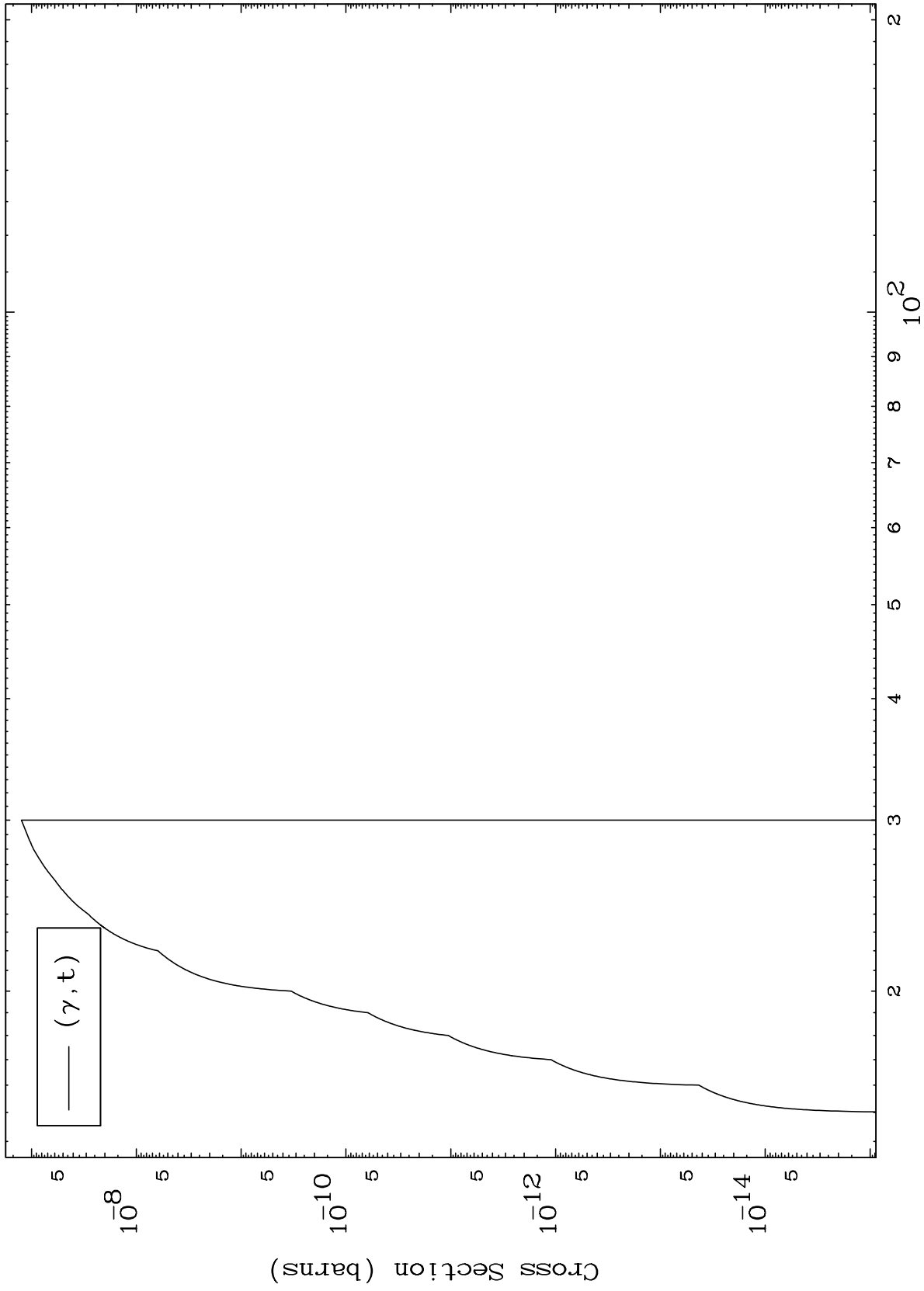
79-Au-199



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

79-Au-199



7

Incident Energy (MeV)

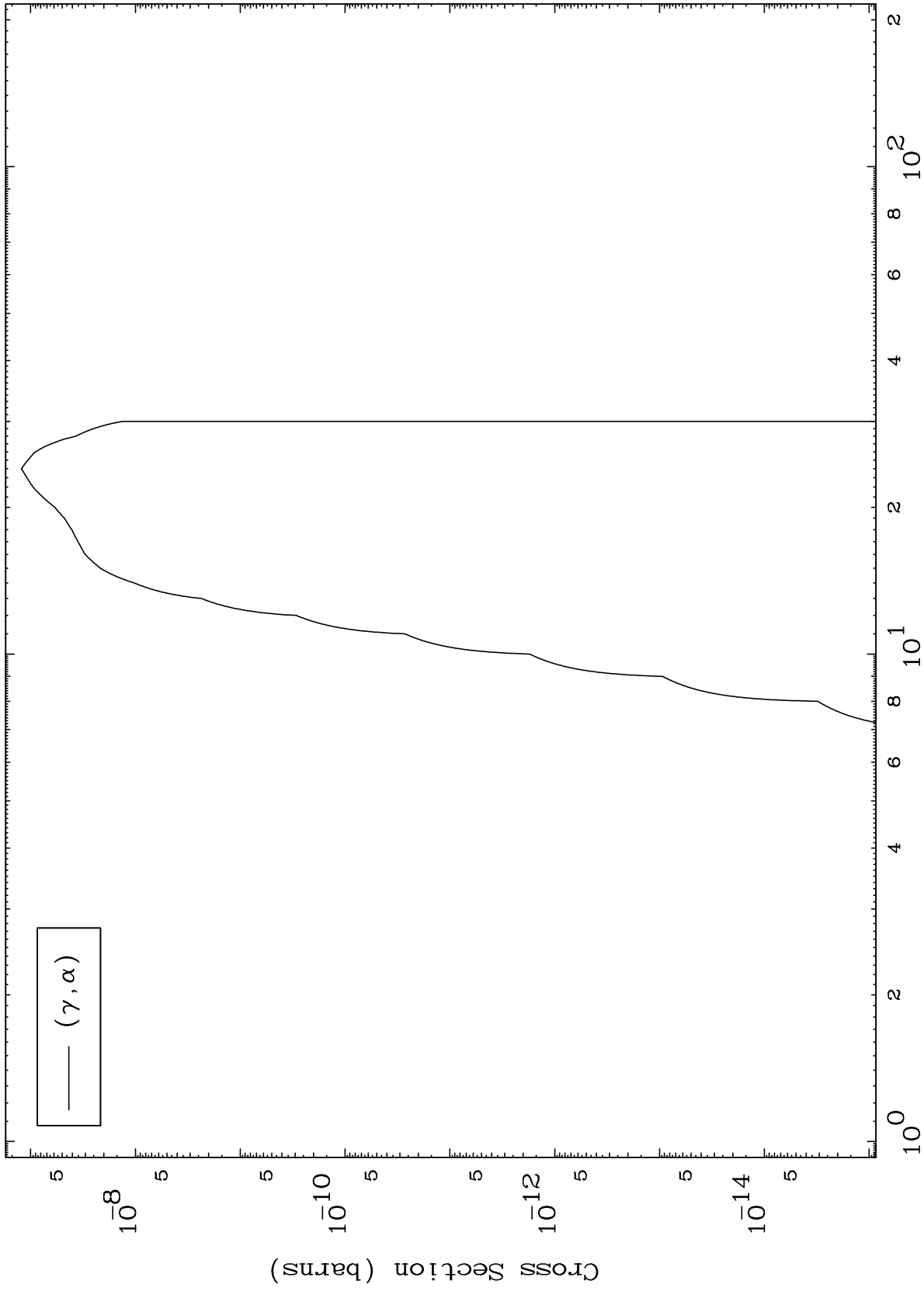
79-Au-199



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

79-Au-199



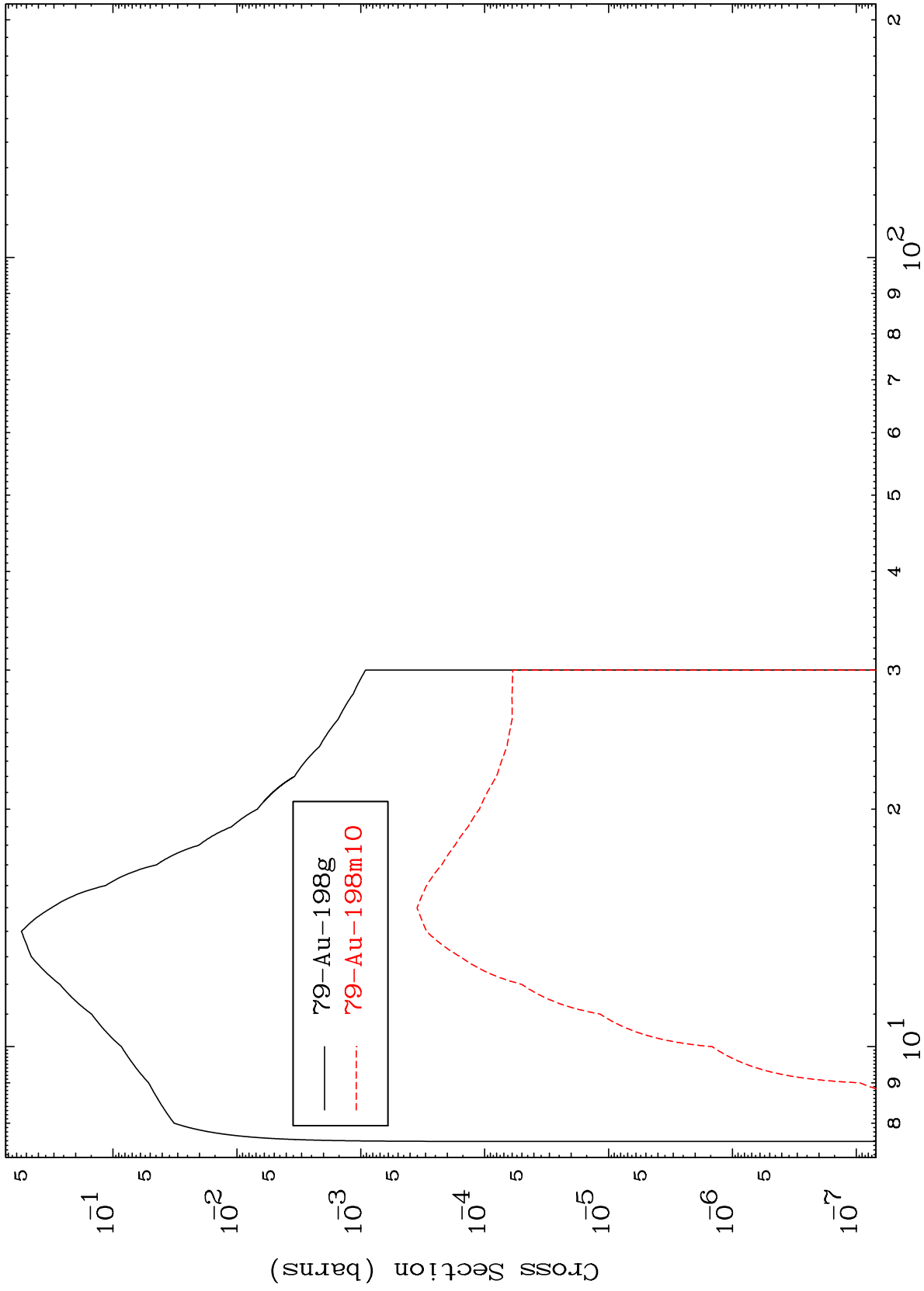
Incident Energy (MeV)

79-Au-199

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Photon Inelastic  
Radionuclide Production Cross Section

<sup>79</sup>Au-199



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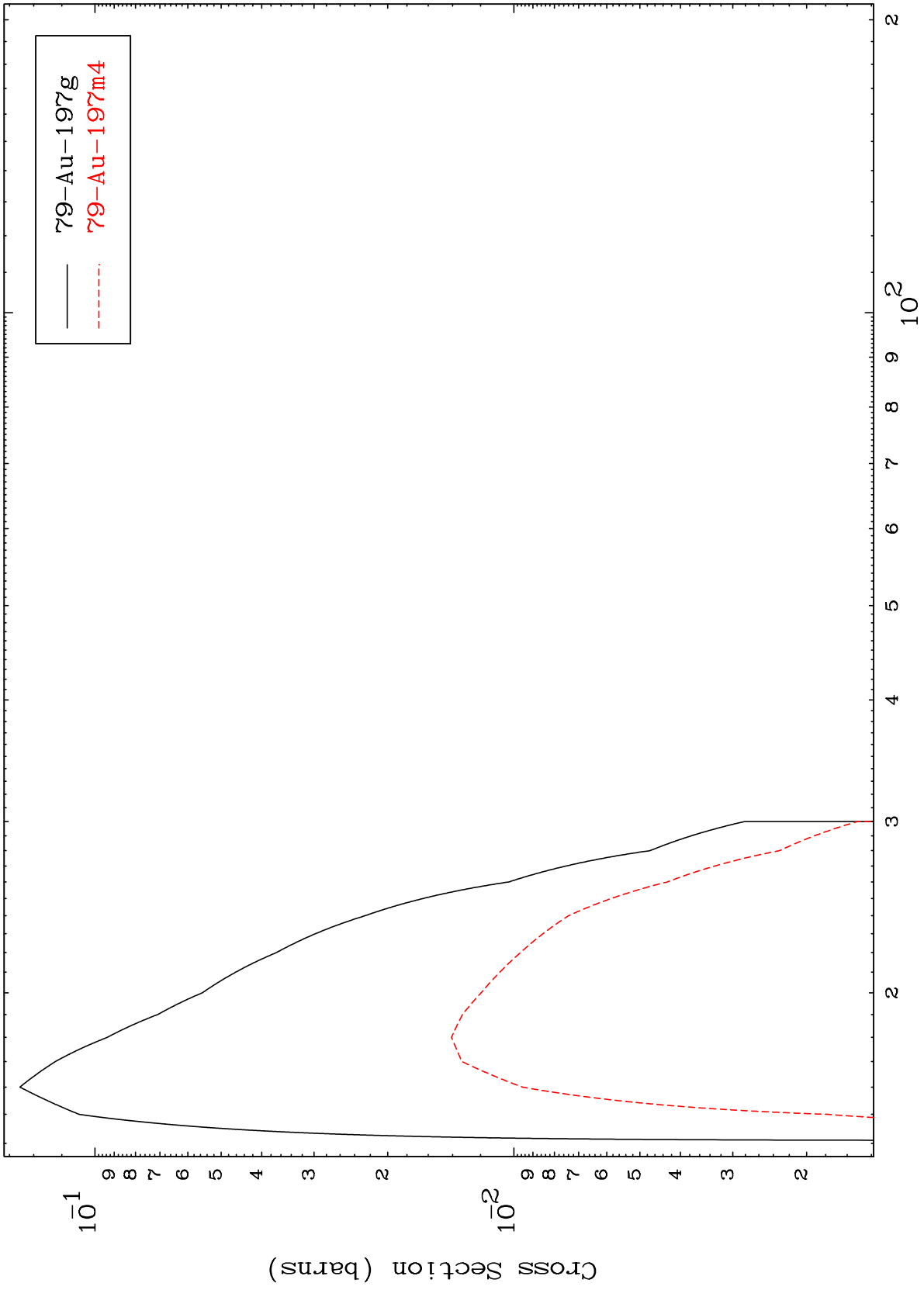
Incident Energy (MeV)

<sup>79</sup>Au-199

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<sup>79</sup>Au-199

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



10

Incident Energy (MeV)

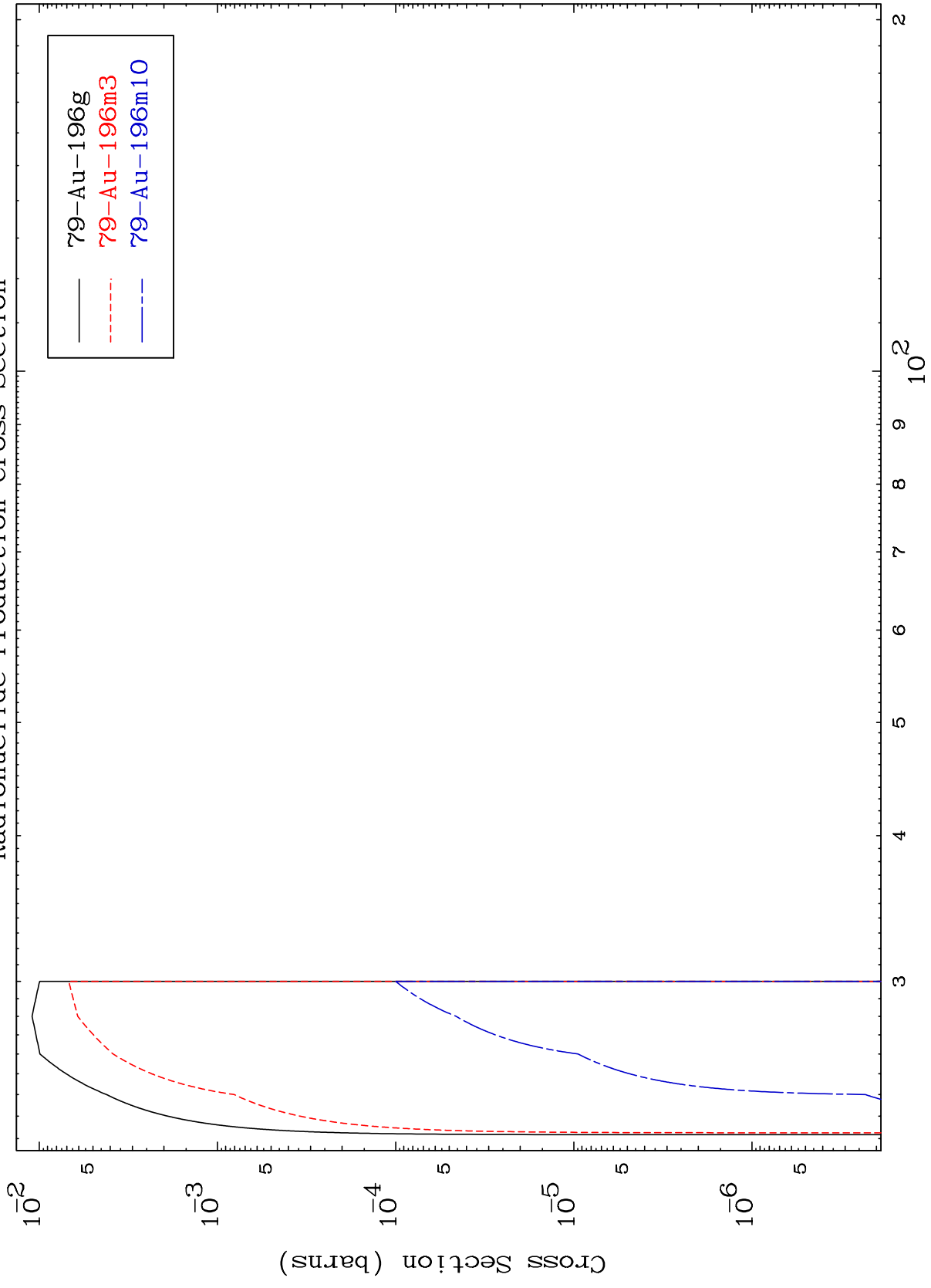
<sup>79</sup>Au-199

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( $\gamma, 3n$ )

<sup>79</sup>Au-199

Radionuclide Production Cross Section



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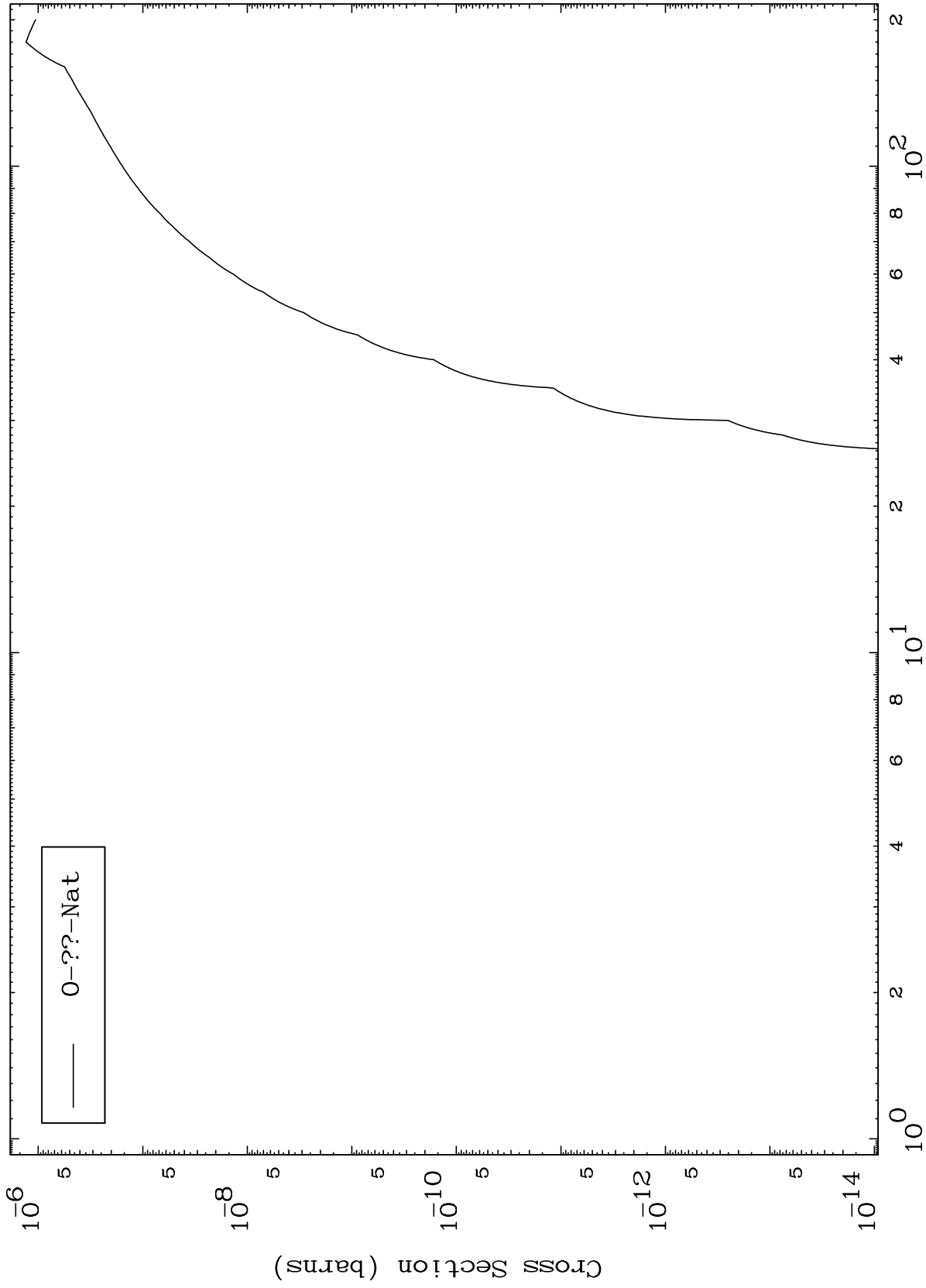
Incident Energy (MeV)

<sup>79</sup>Au-199

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Photon Fission  
Radionuclide Production Cross Section

79-Au-199



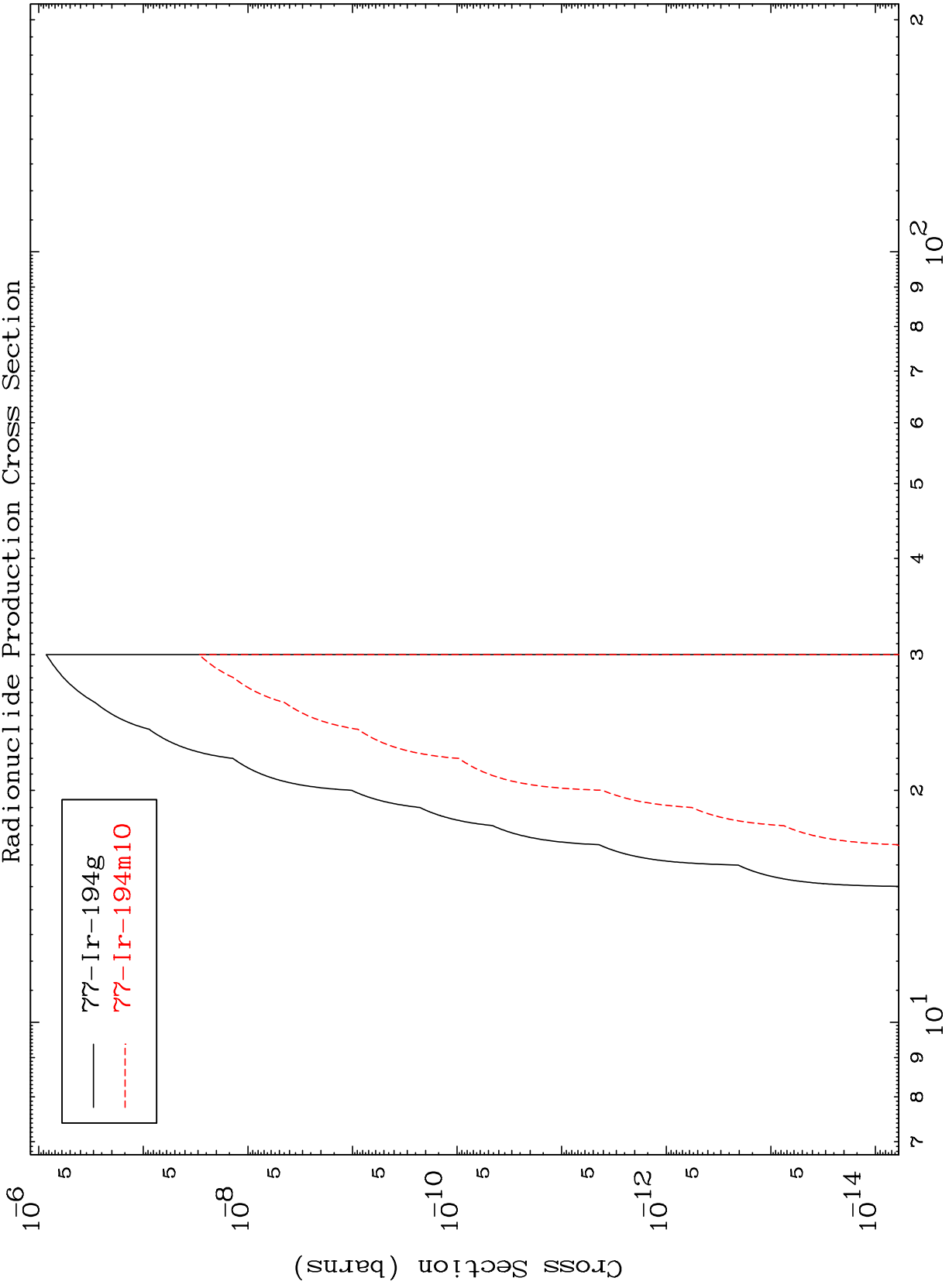
Incident Energy (MeV)

79-Au-199

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79-Au-199

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



13

Incident Energy (MeV)

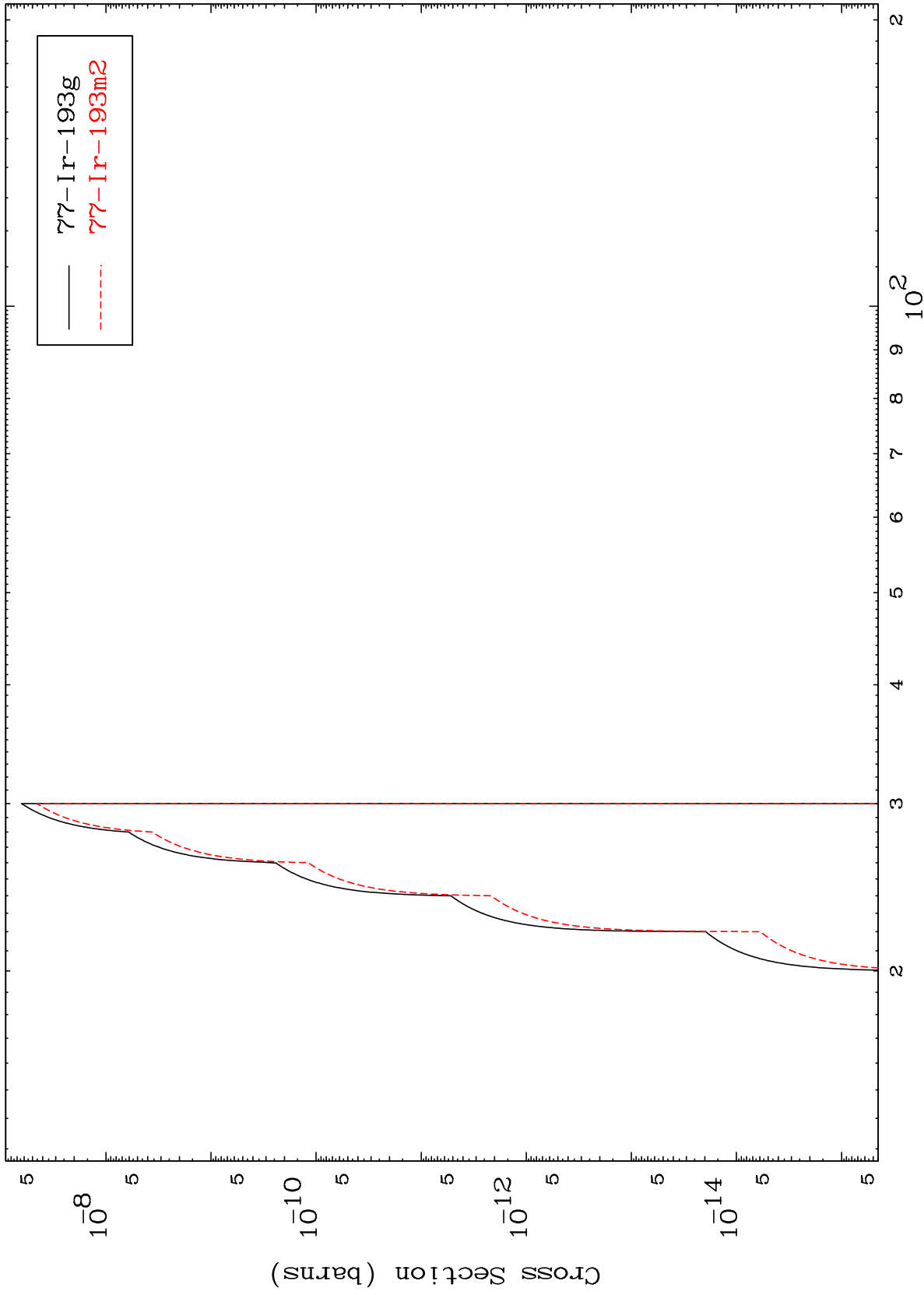
79-Au-199

MAT 7931

$(\gamma, 2n) \alpha$

79-Au-199

Radionuclide Production Cross Section



14

Incident Energy (MeV)

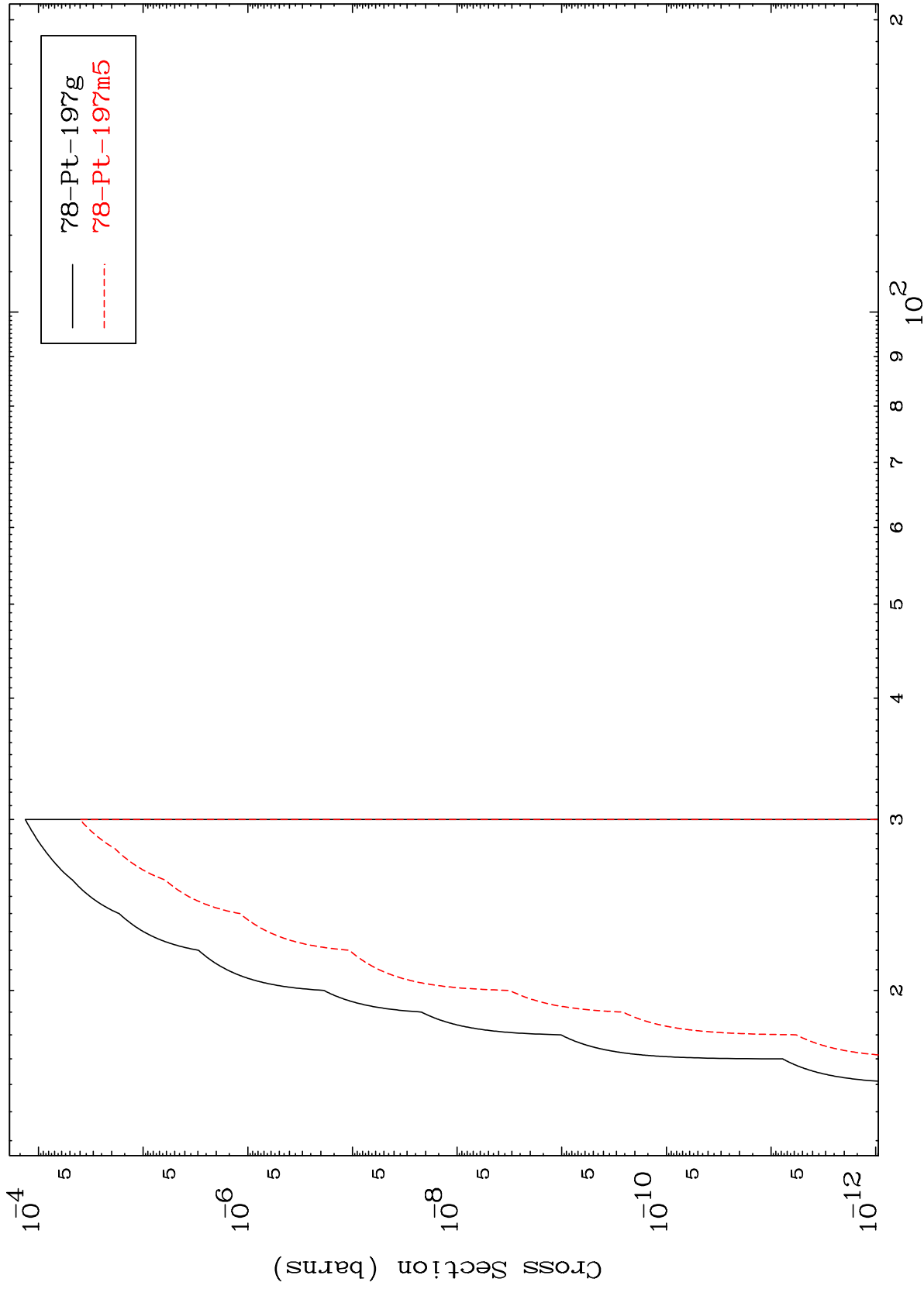
79-Au-199

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$(\gamma, n')$  p

79-Au-199

Radionuclide Production Cross Section



15

Incident Energy (MeV)

79-Au-199

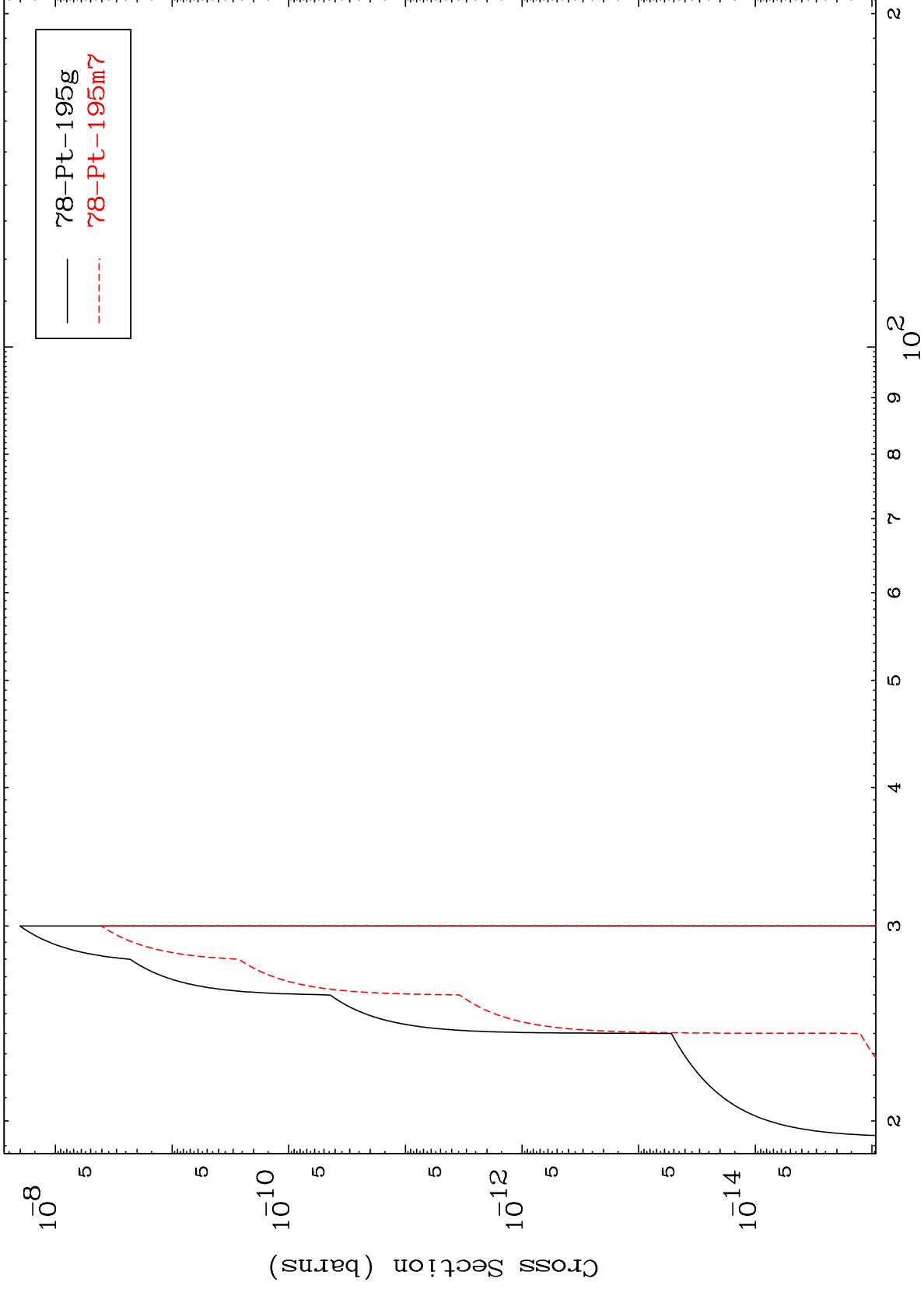


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( $\gamma, n'$ ) t

79-Au-199

Radionuclide Production Cross Section



16

Incident Energy (MeV)

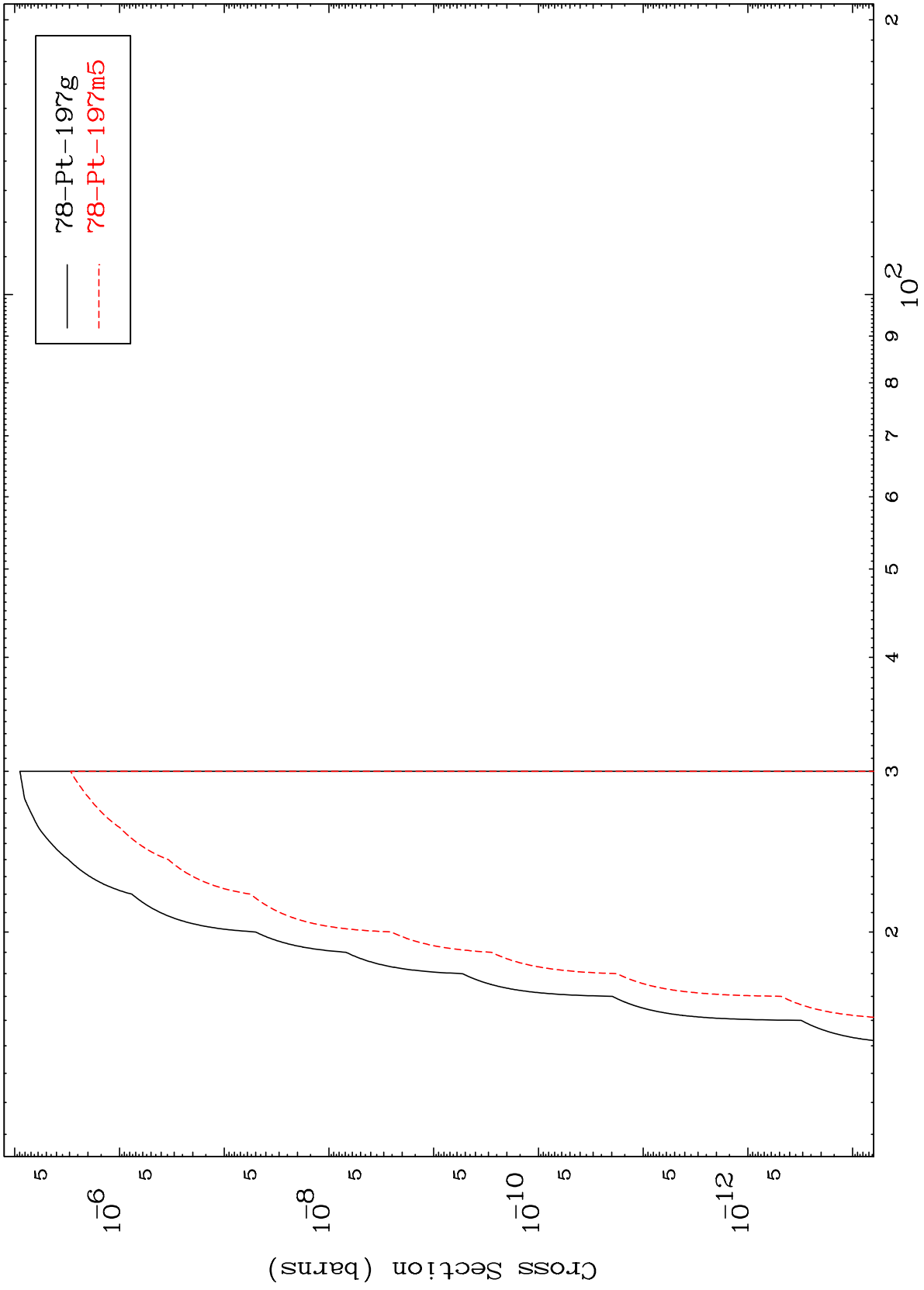
79-Au-199

MAT 7931

( $\gamma, d$ )

79-Au-199

Radionuclide Production Cross Section



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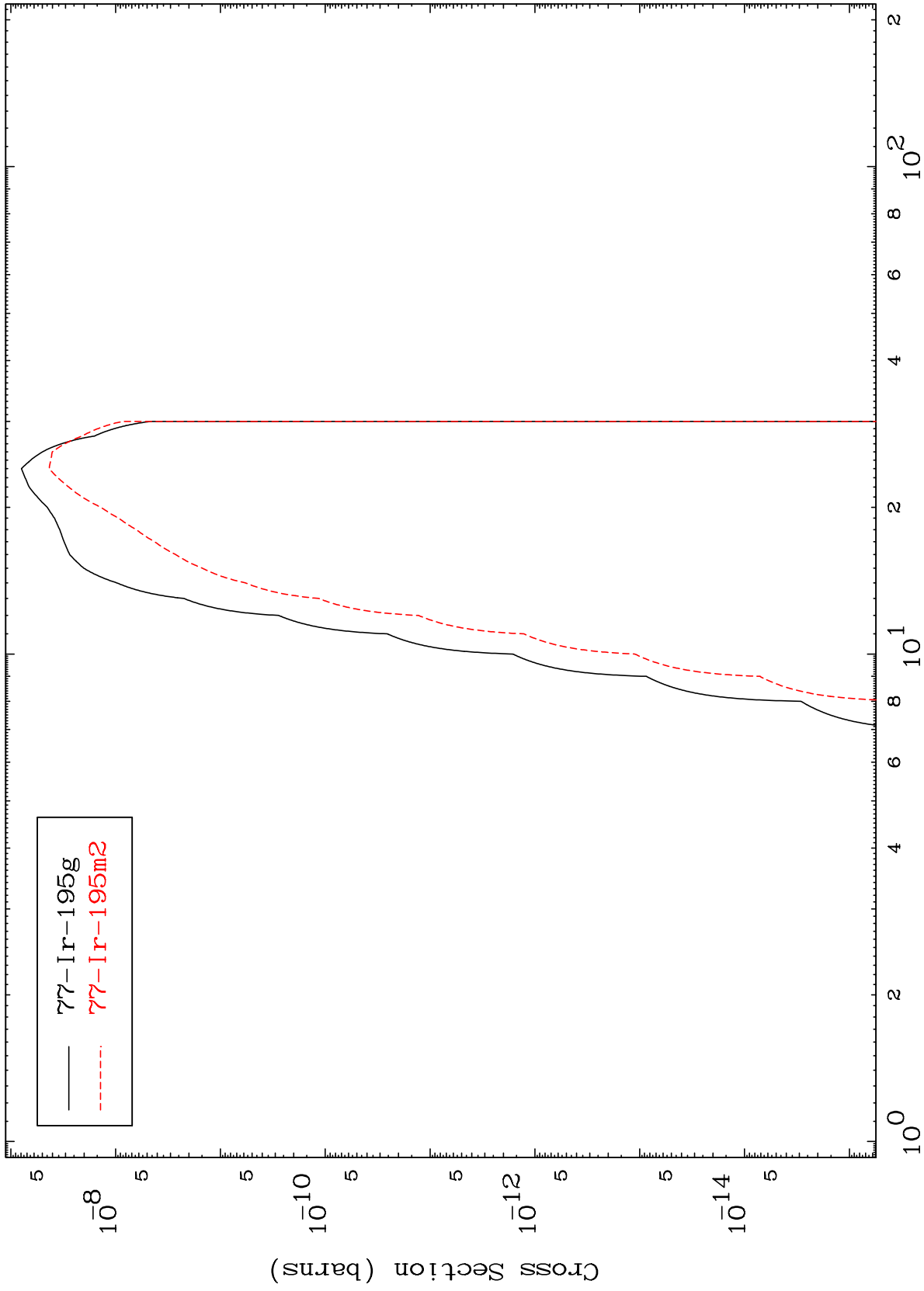
Incident Energy (MeV)

79-Au-199

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79-Au-199

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



79-Au-199

Incident Energy (MeV)

18