

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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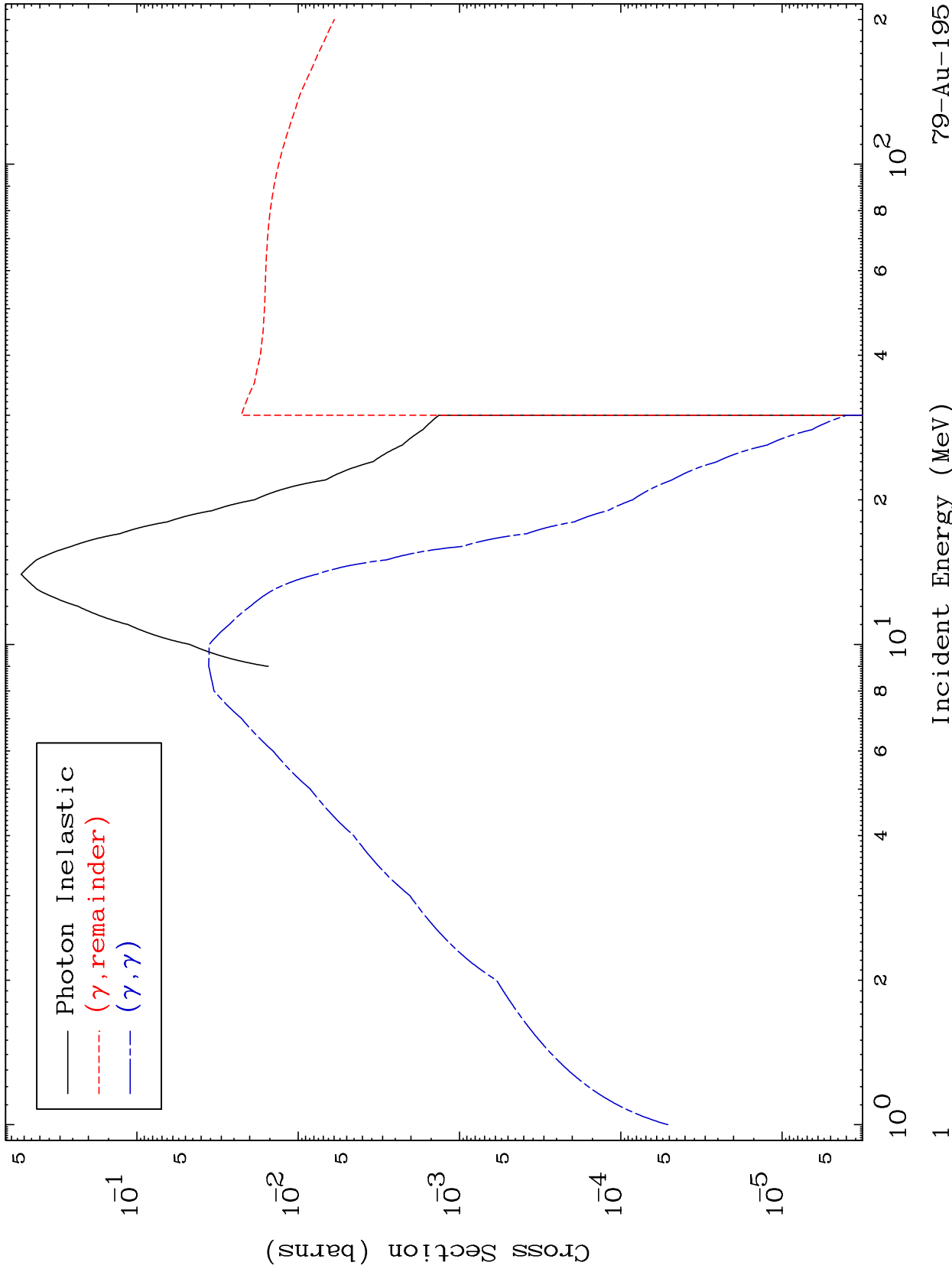
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7920

Photon Major  
0 Kelvin Cross Sections

79-Au-195

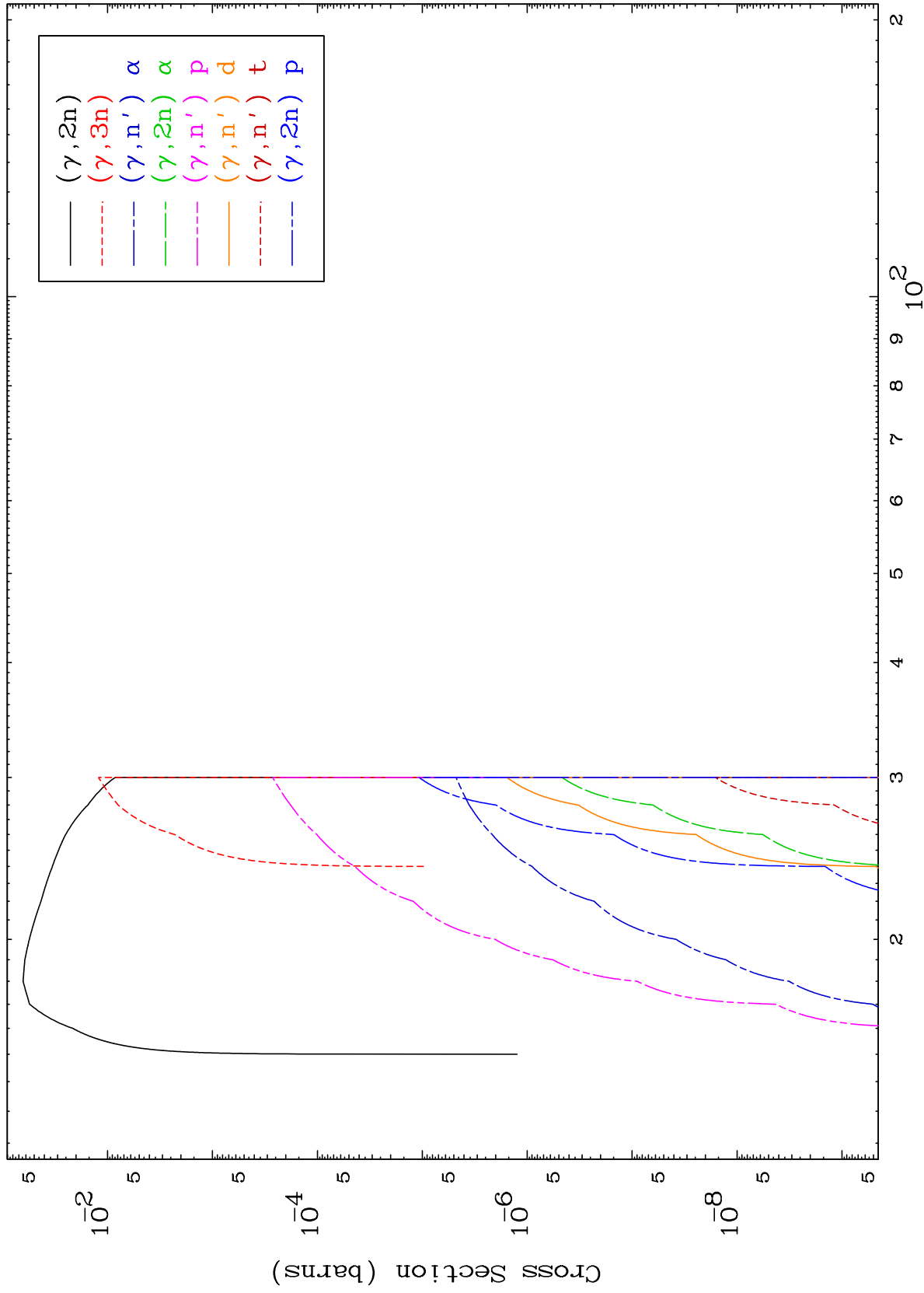


79-Au-195

MAT 7920

Photon Neutron Production  
0 Kelvin Cross Sections

79-Au-195



2

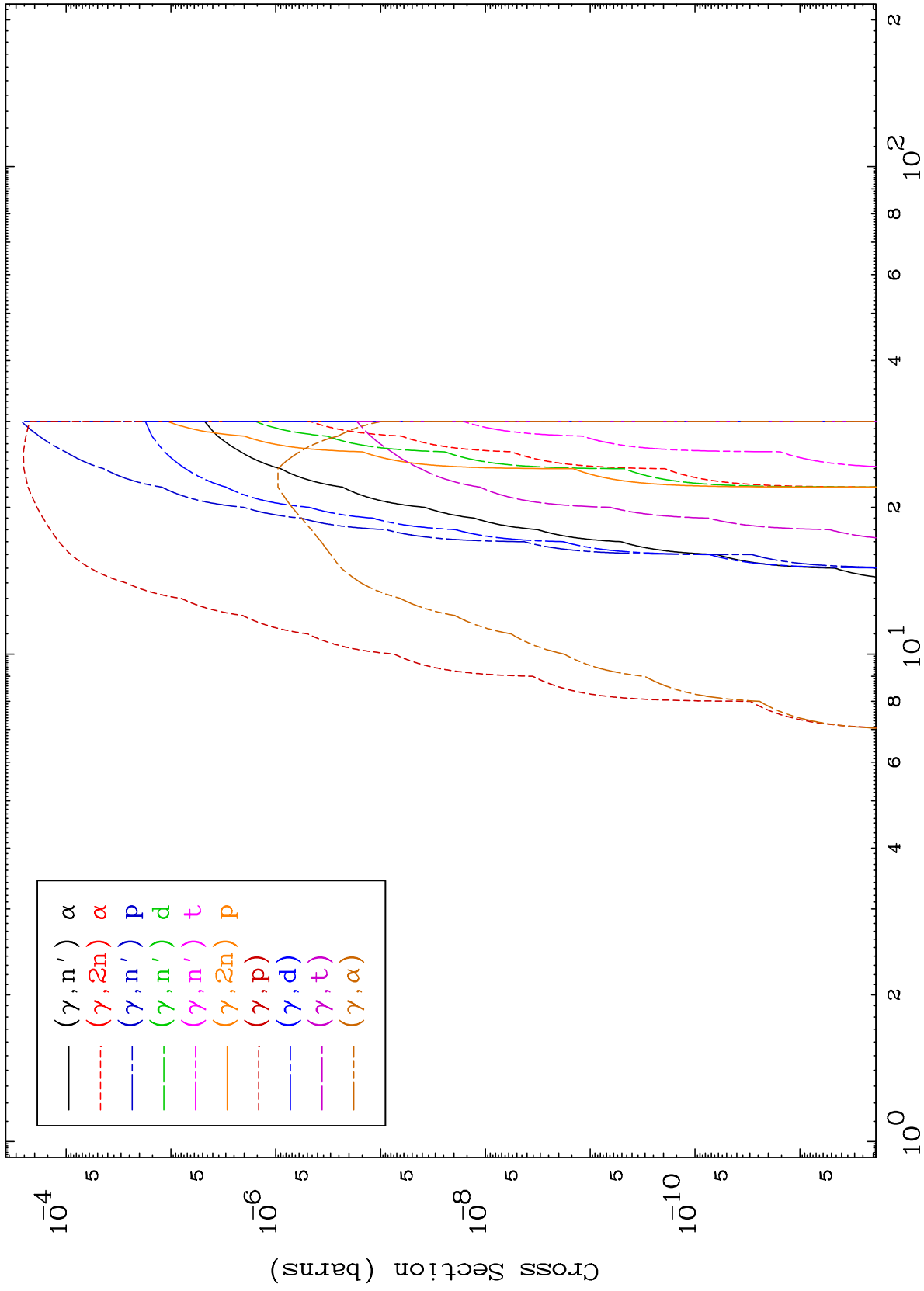
Incident Energy (MeV)

79-Au-195

MAT 7920

Photon Charged Particle  
0 Kelvin Cross Sections

79-Au-195



3

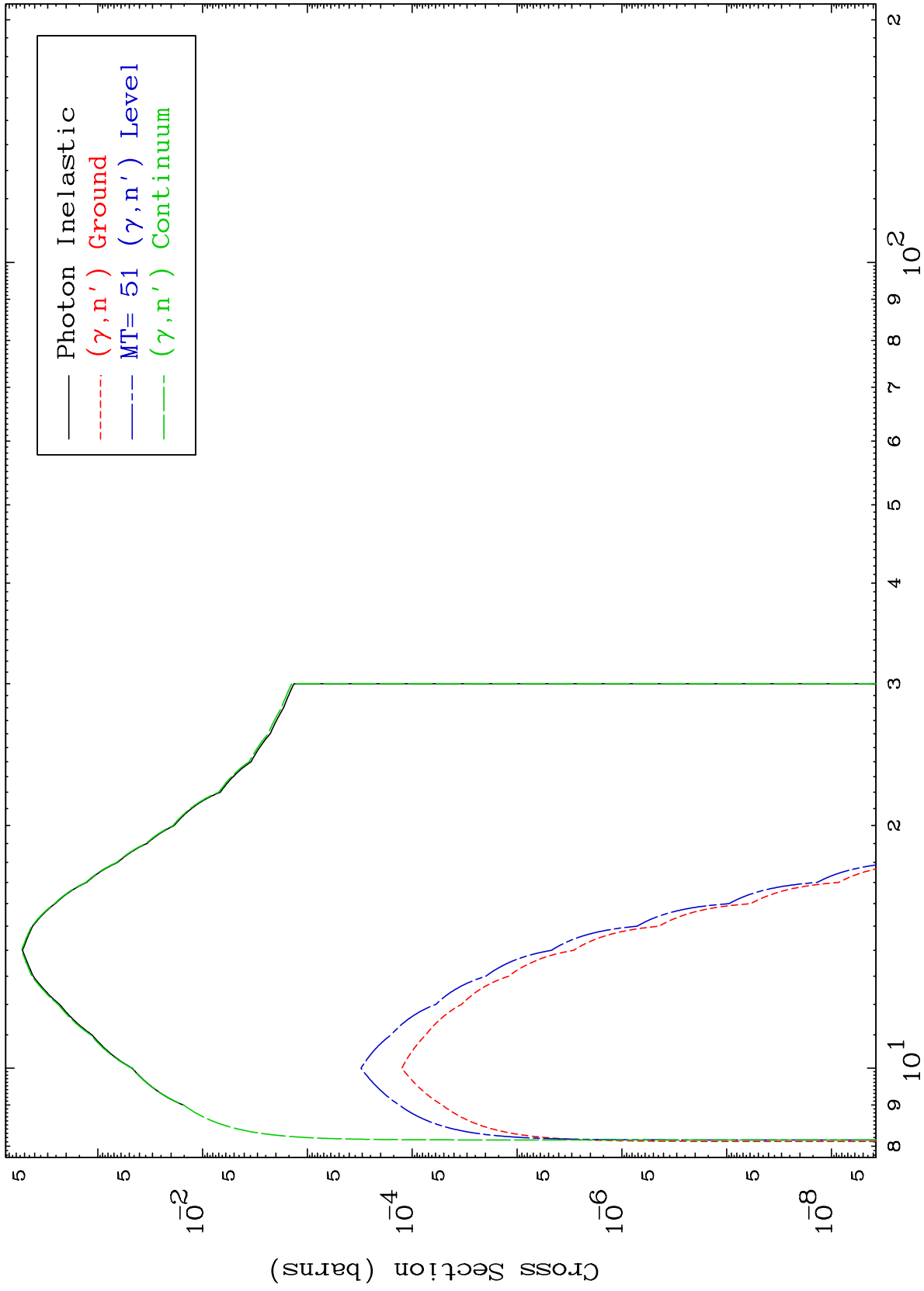
Incident Energy (MeV)

79-Au-195

MAT 7920

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

79-Au-195



4

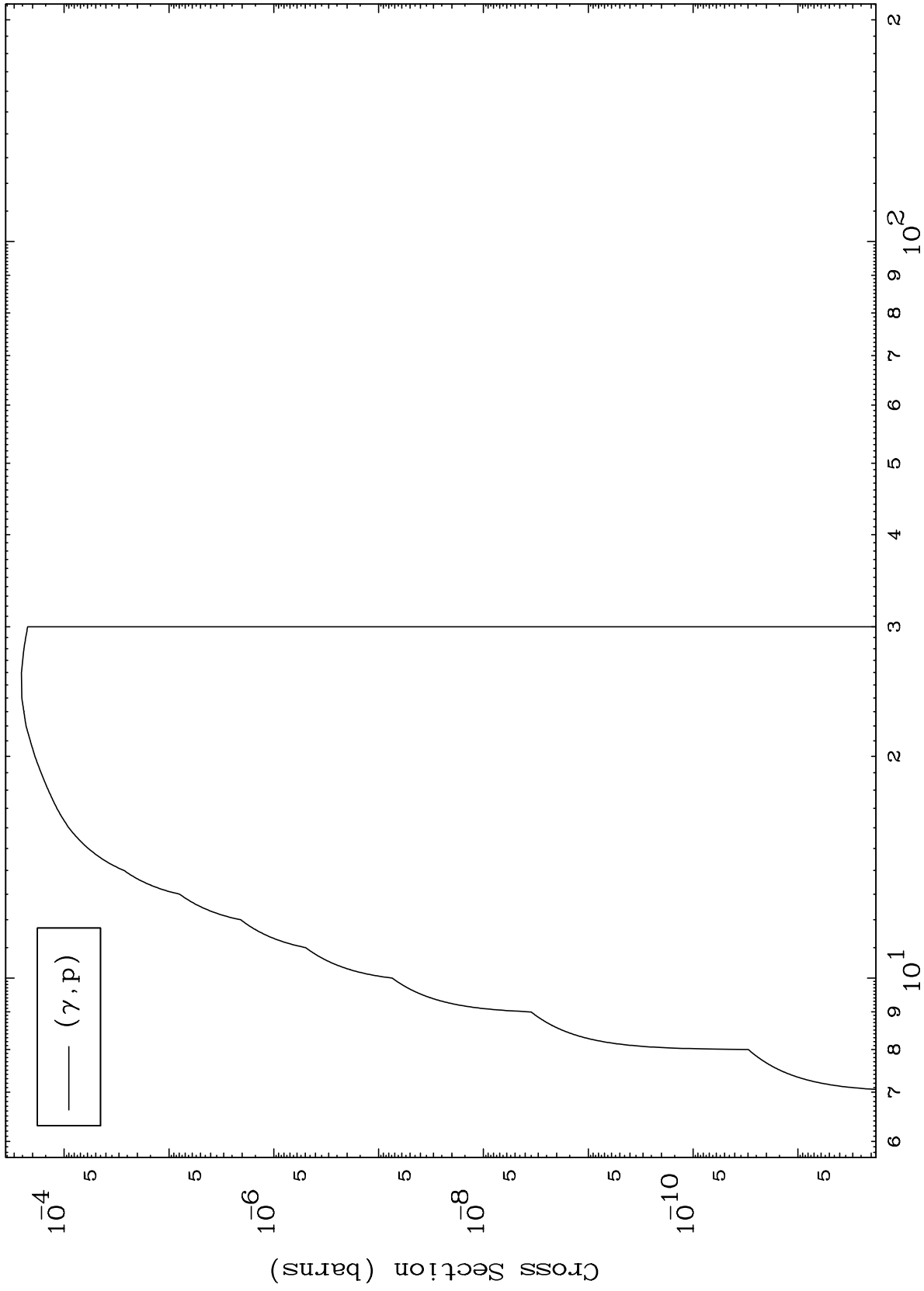
Incident Energy (MeV)

79-Au-195

MAT 7920

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

79-Au-195



5

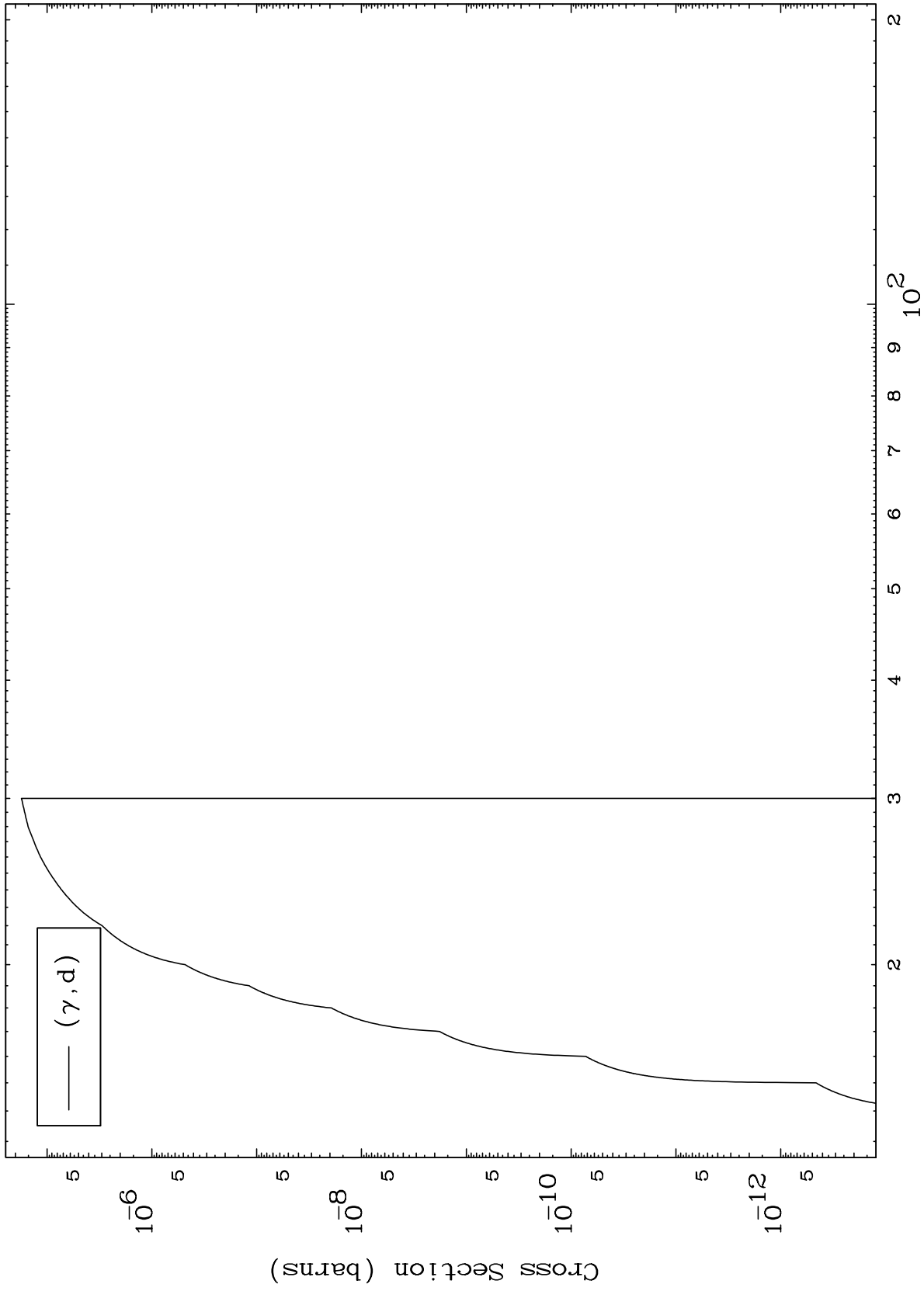
Incident Energy (MeV)

79-Au-195

MAT 7920

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

79-Au-195



6

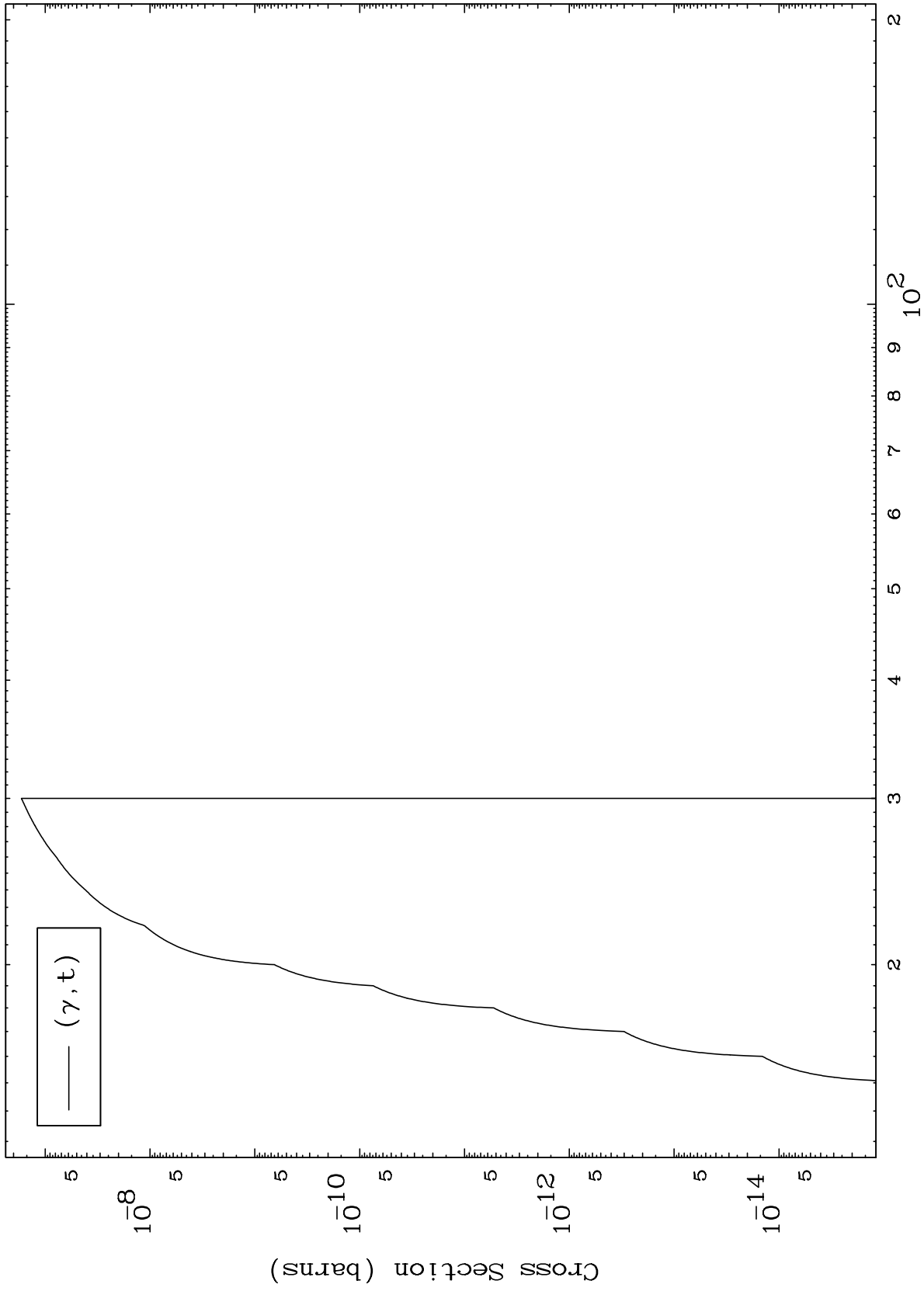
Incident Energy (MeV)

79-Au-195

MAT 7920

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

79-Au-195



7

Incident Energy (MeV)

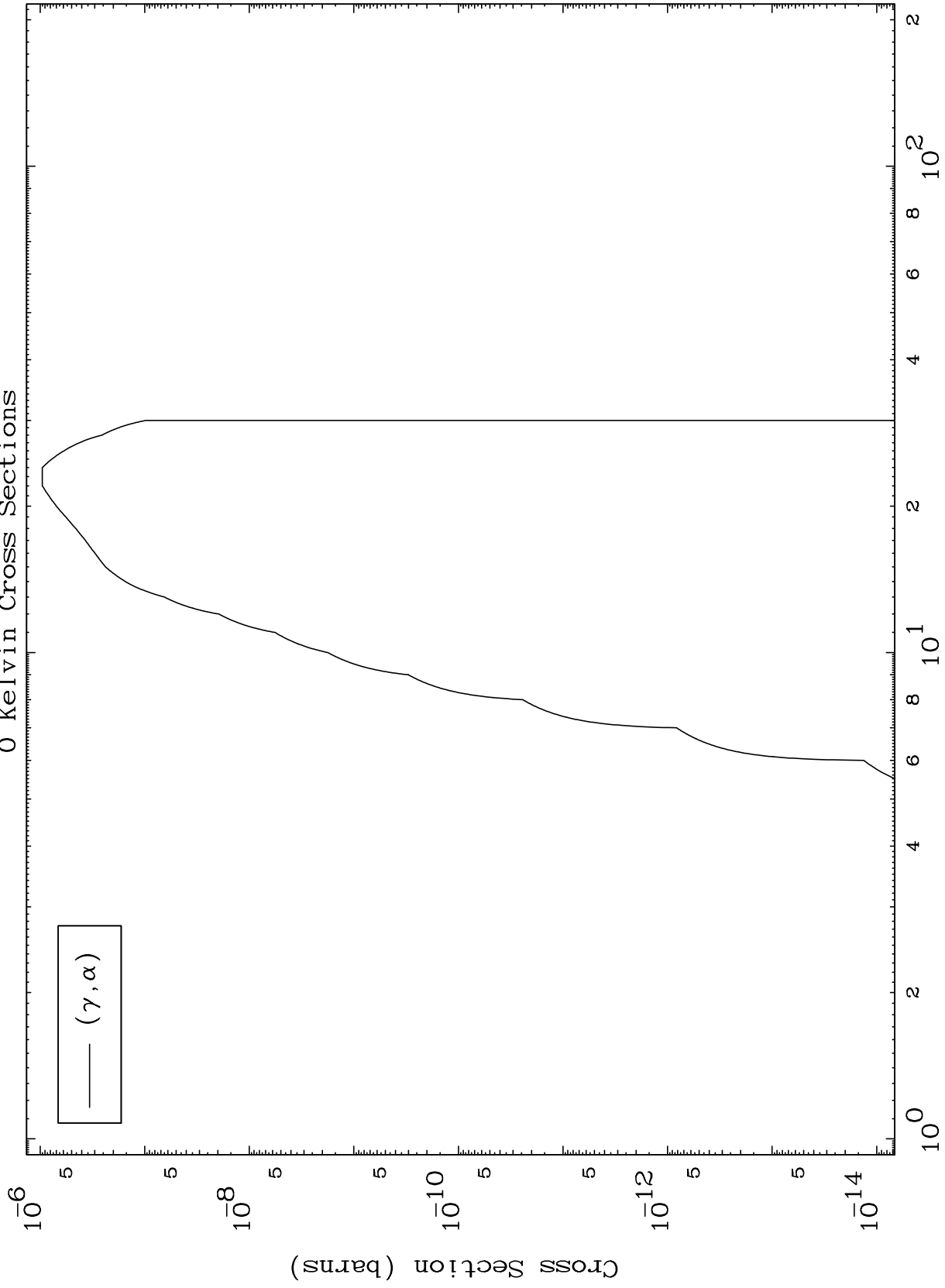
79-Au-195



MAT 7920

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

79-Au-195



( $\gamma, \alpha$ )

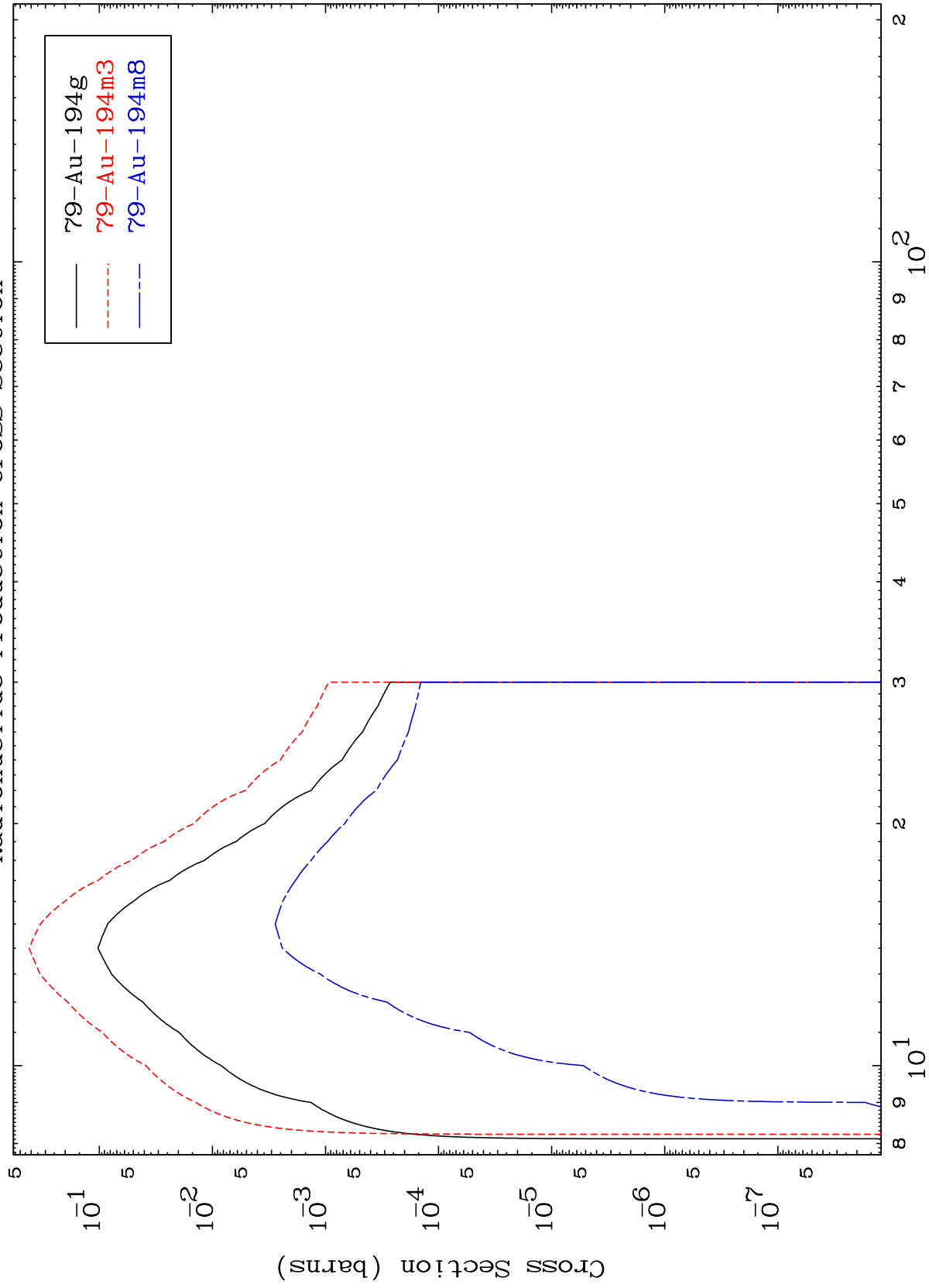
Incident Energy (MeV)

79-Au-195

MAT 7920

Photon Inelastic  
Radionuclide Production Cross Section

<sup>79</sup>Au-195



9

Incident Energy (MeV)

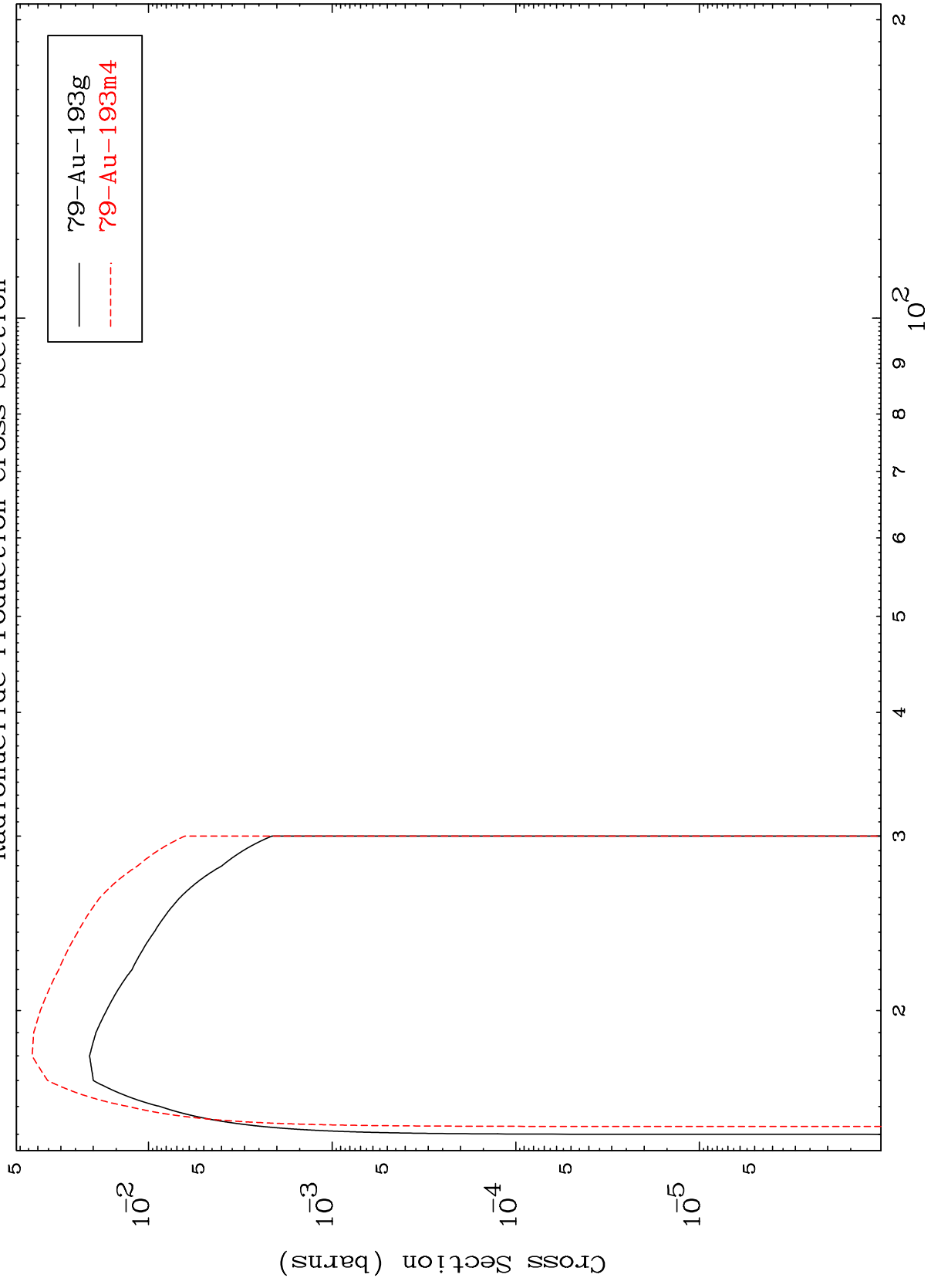
<sup>79</sup>Au-195

MAT 7920

( $\gamma, 2n$ )

<sup>79</sup>Au-195

Radionuclide Production Cross Section



— <sup>79</sup>Au-193g  
- - - <sup>79</sup>Au-193m4

10

Incident Energy (MeV)

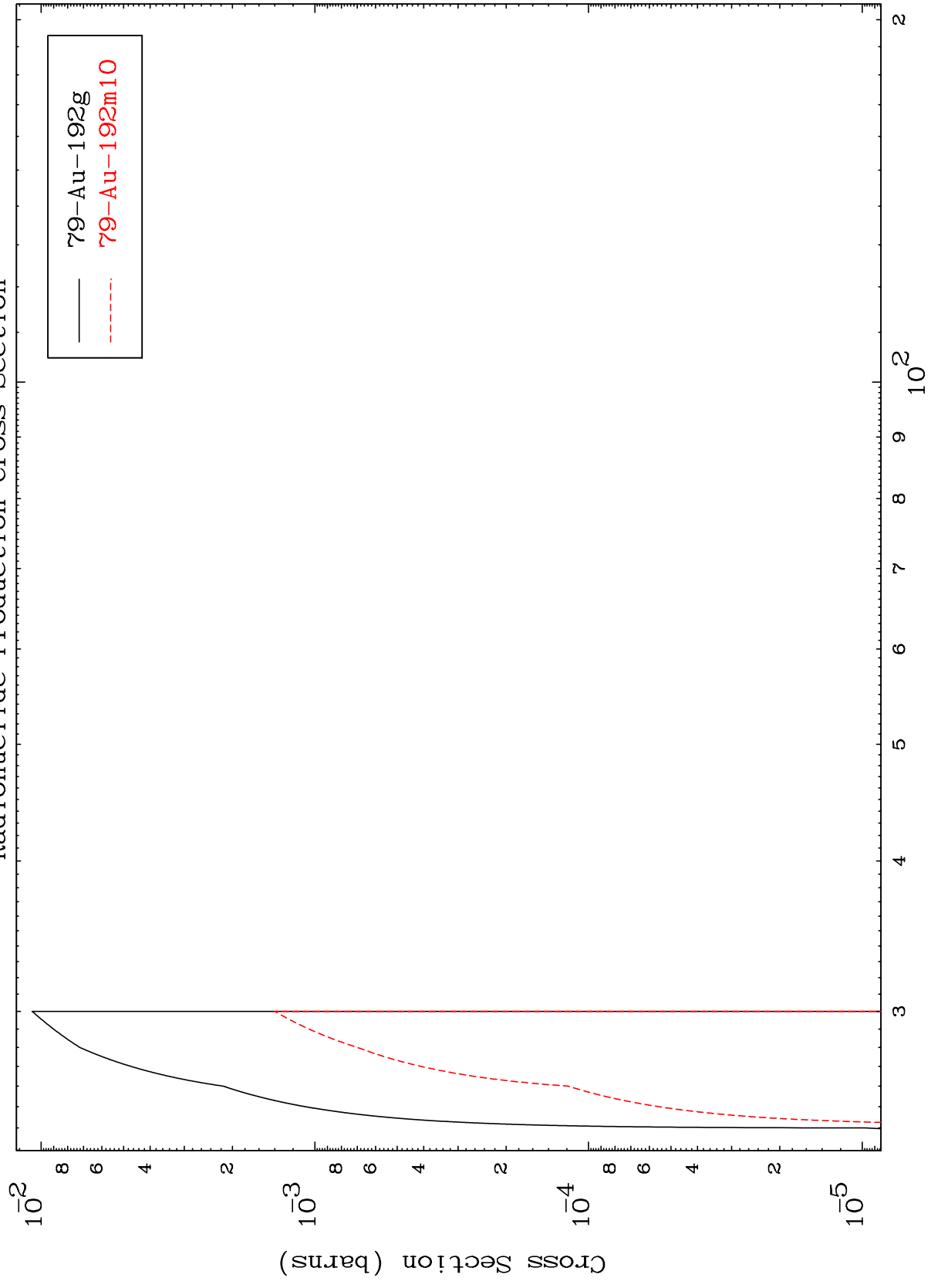
<sup>79</sup>Au-195

MAT 7920

( $\gamma, 3n$ )

<sup>79</sup>Au-195

Radionuclide Production Cross Section



11

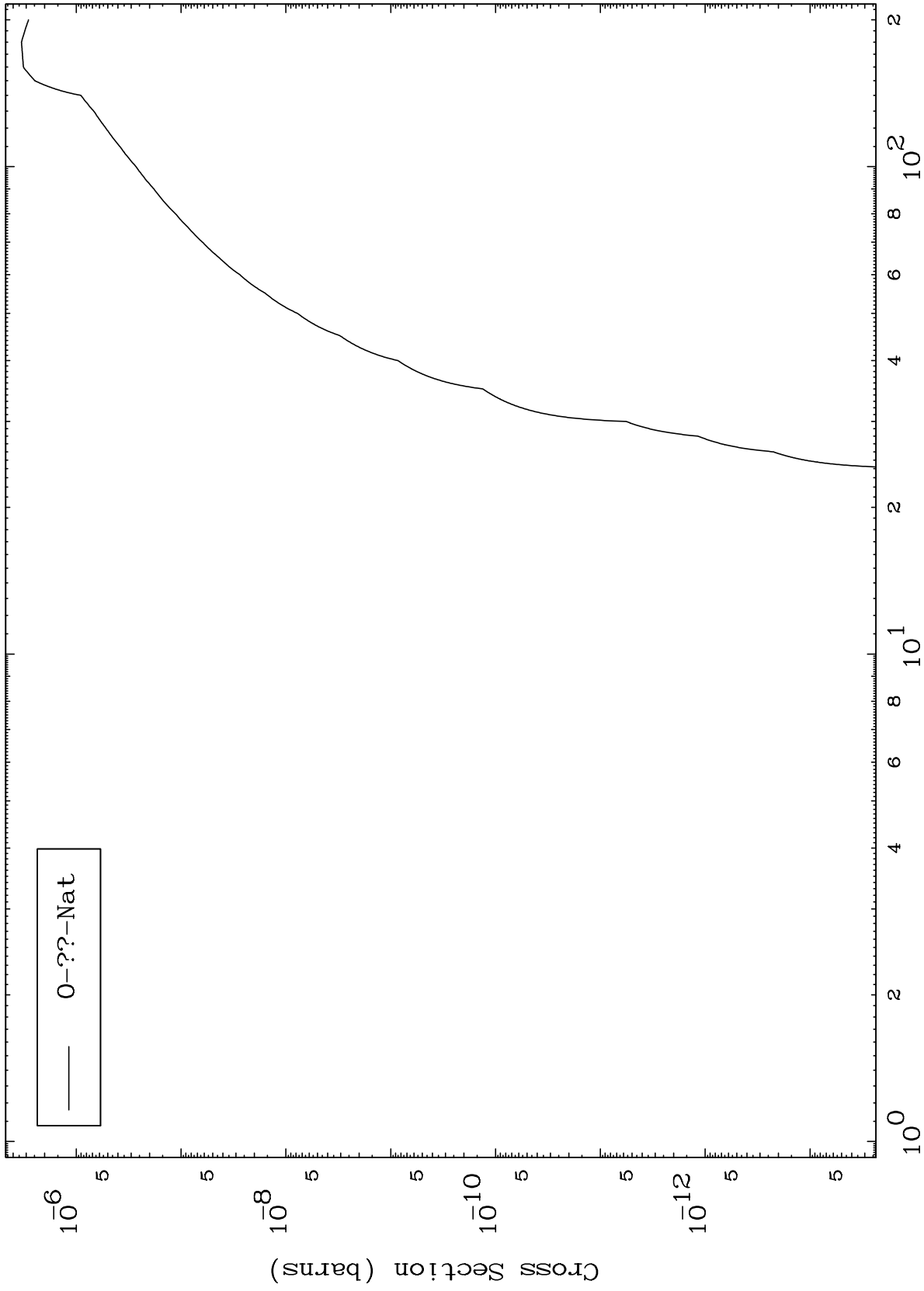
Incident Energy (MeV)

<sup>79</sup>Au-195

MAT 7920

Photon Fission  
Radionuclide Production Cross Section

79-Au-195



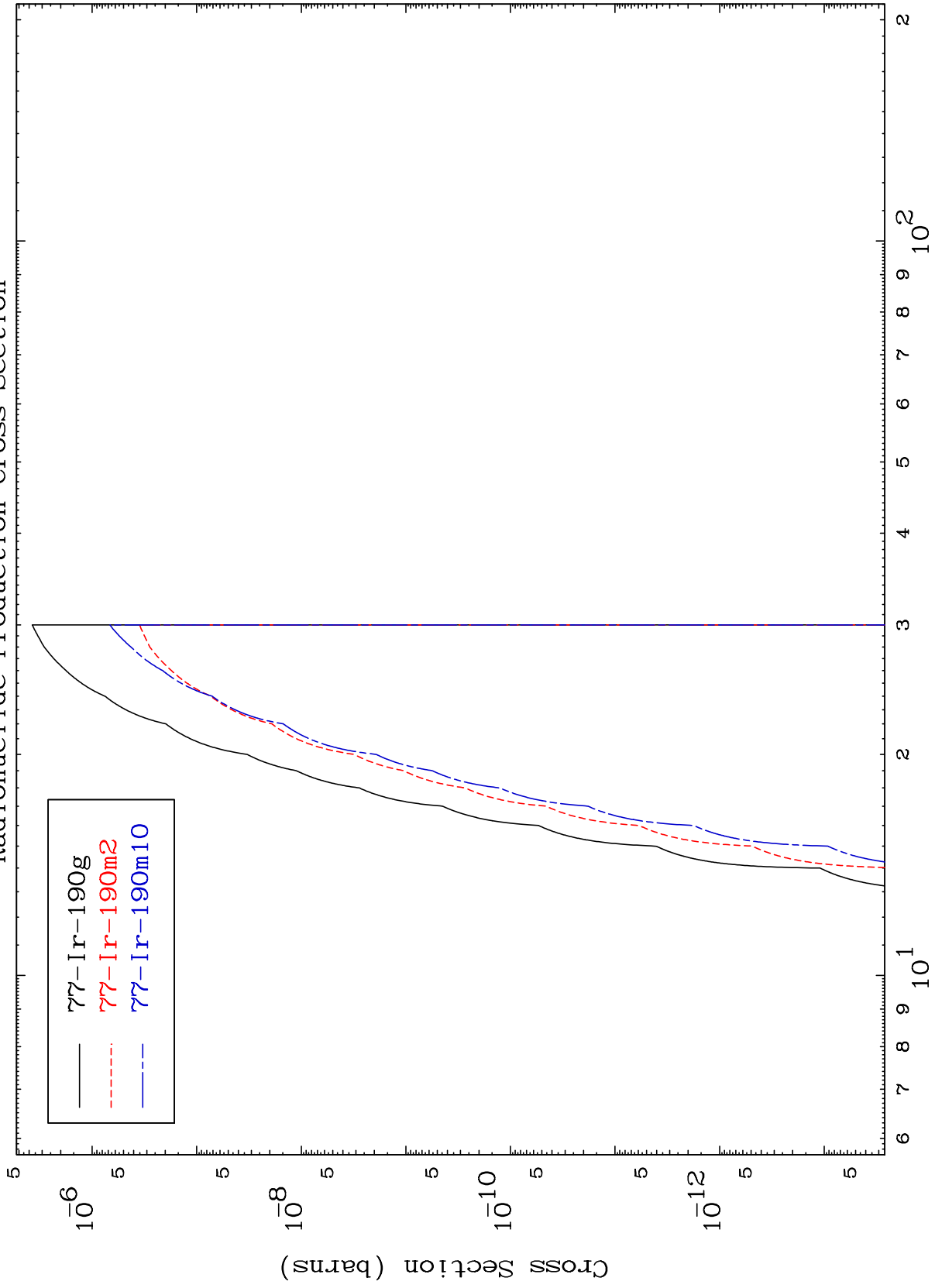
Incident Energy (MeV)

79-Au-195

MAT 7920

79-Au-195

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



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Incident Energy (MeV)

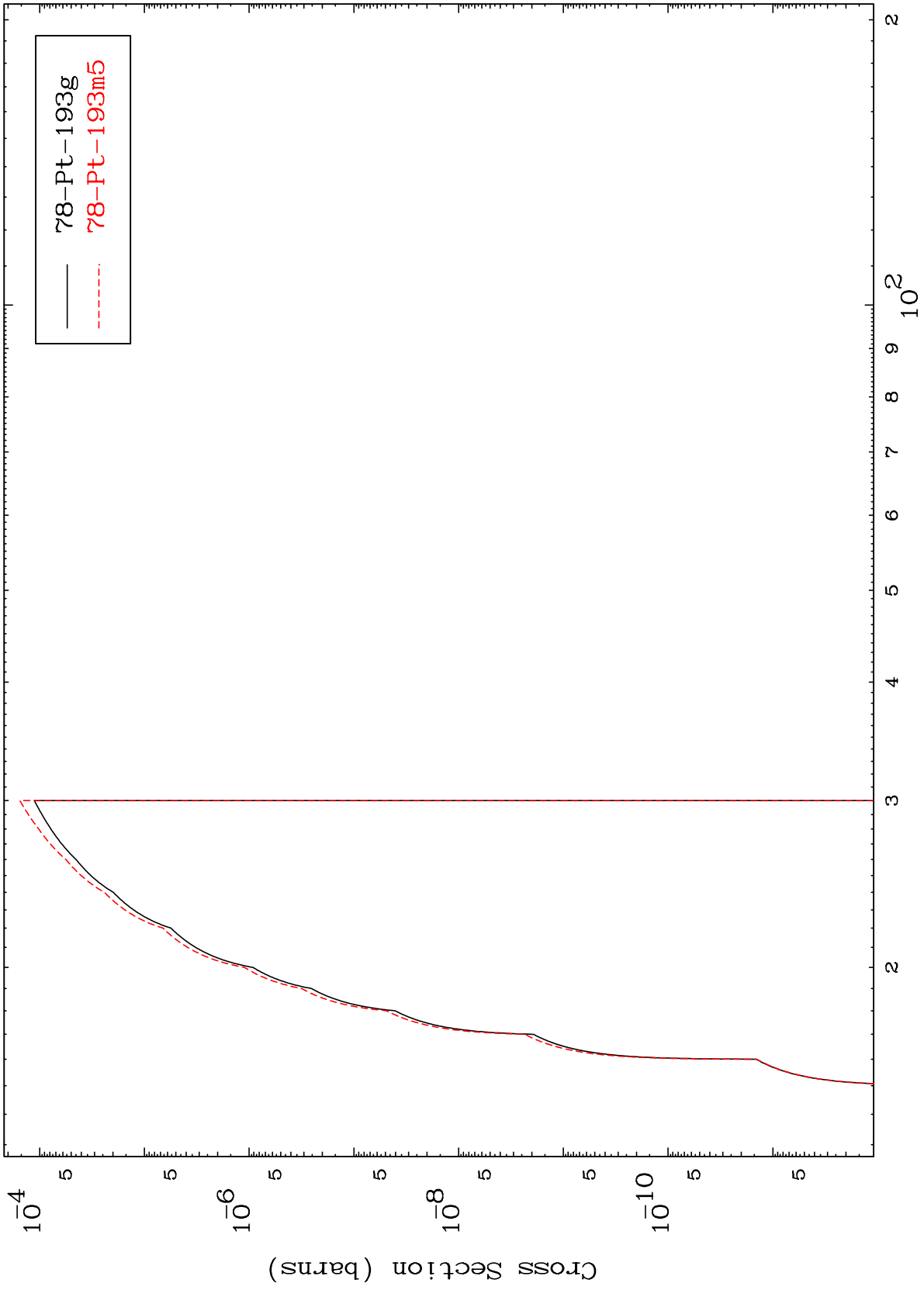
79-Au-195

MAT 7920

$(\gamma, n')$  p

<sup>79</sup>Au-195

Radionuclide Production Cross Section



14

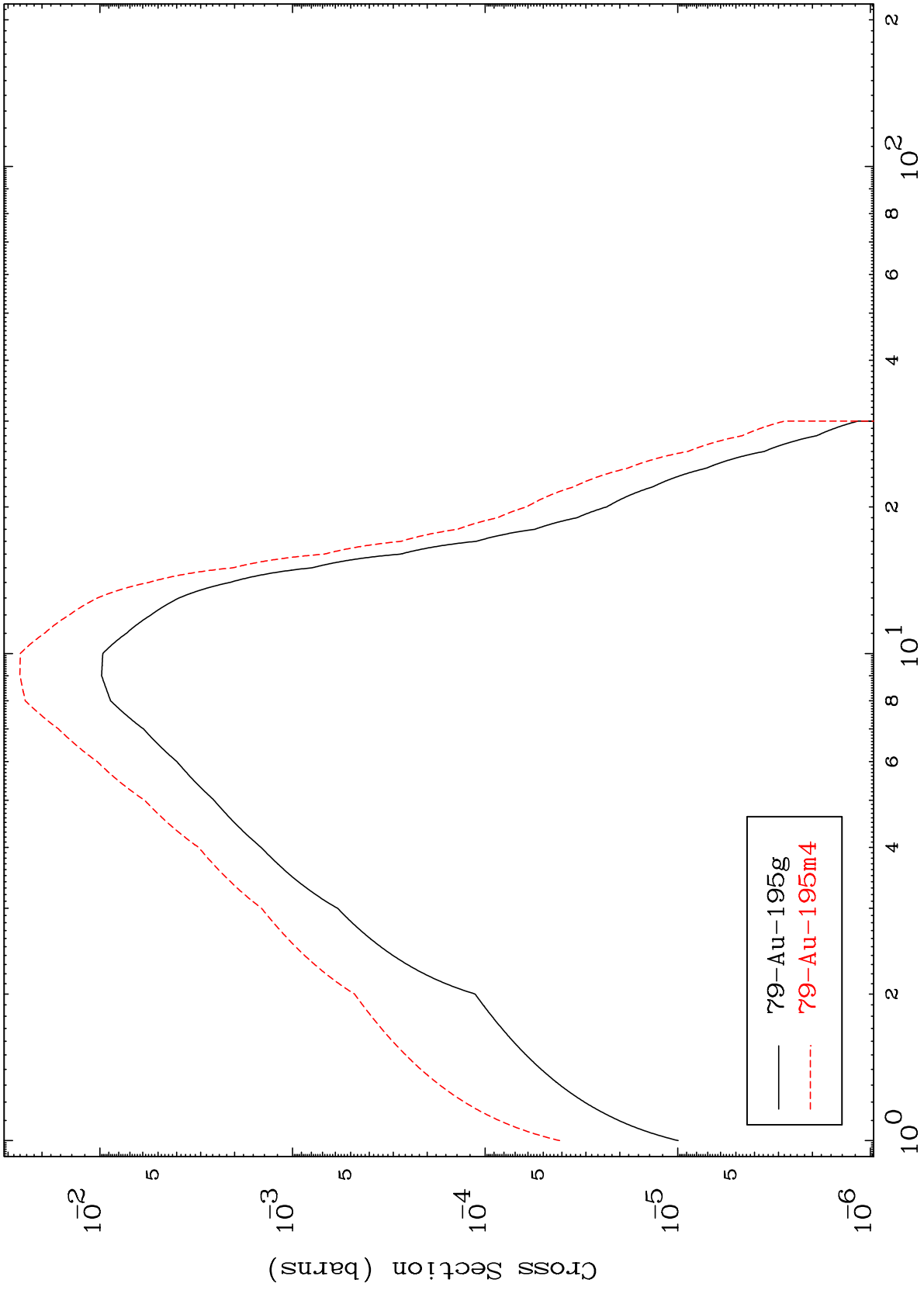
Incident Energy (MeV)

<sup>79</sup>Au-195

MAT 7920

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

<sup>79</sup>Au-195



Incident Energy (MeV)

<sup>79</sup>Au-195

— 79-Au-195g  
- - - 79-Au-195m4

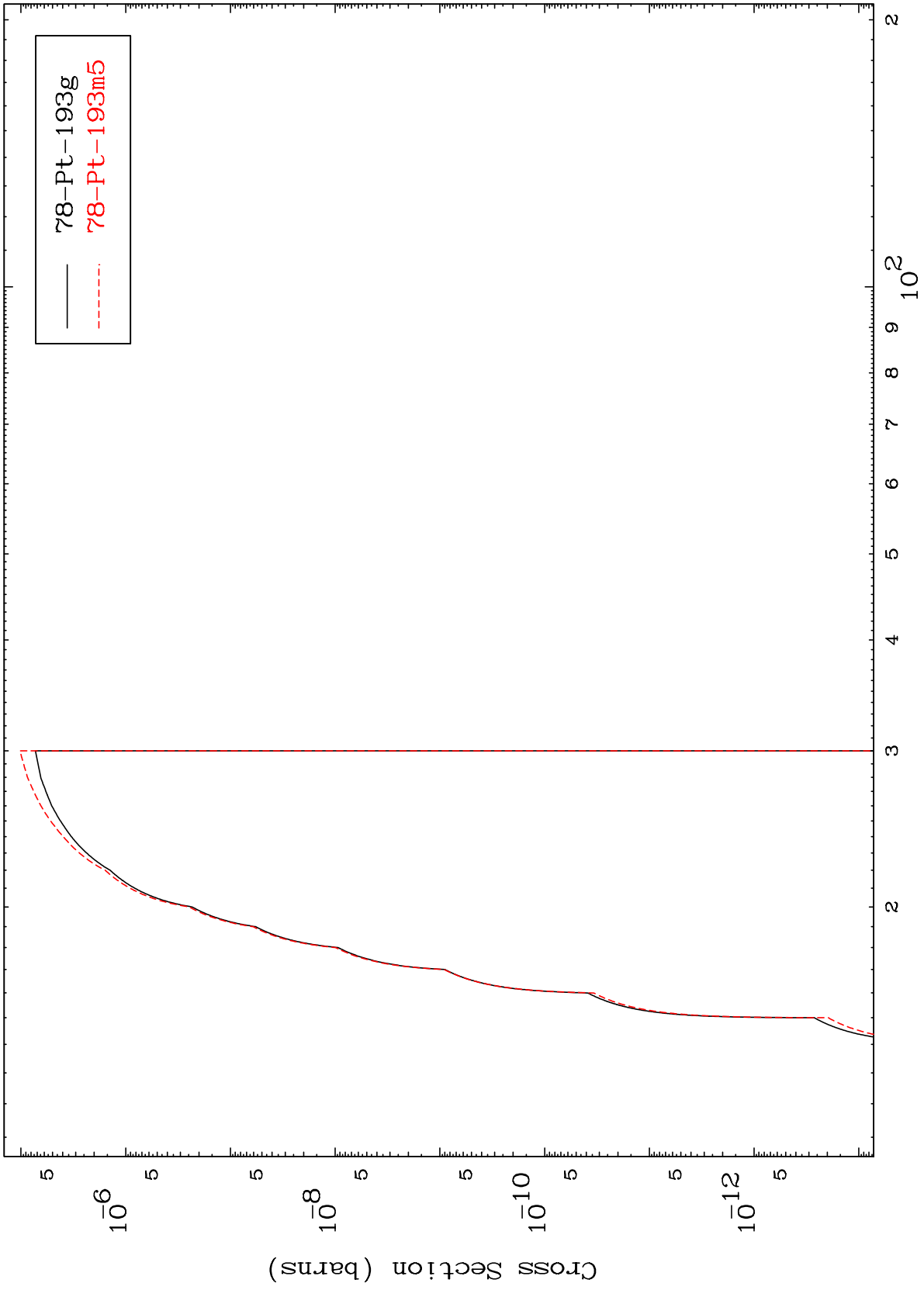


MAT 7920

( $\gamma, d$ )

<sup>79</sup>Au-195

Radionuclide Production Cross Section



16

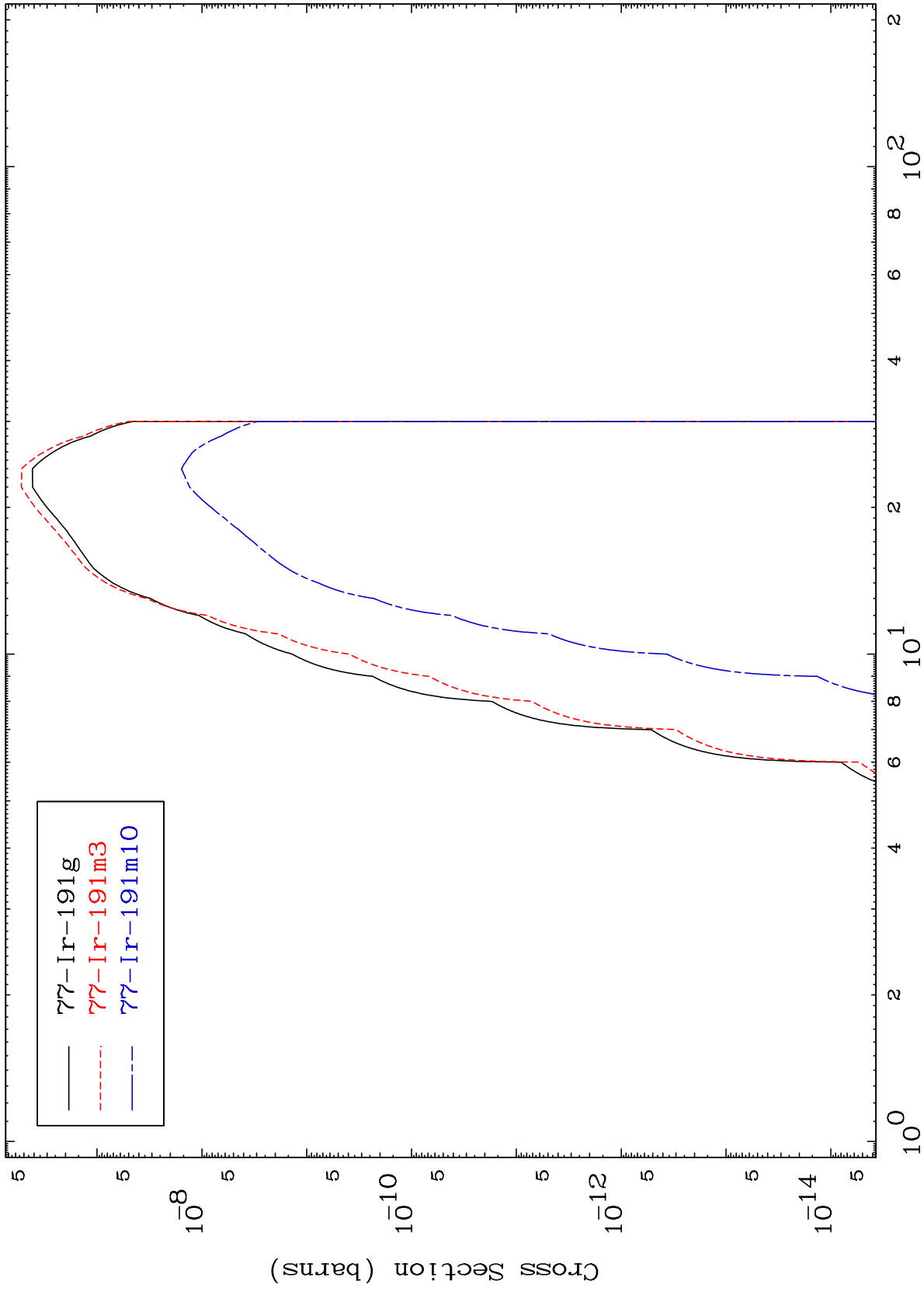
Incident Energy (MeV)

<sup>79</sup>Au-195

MAT 7920

79-Au-195

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



79-Au-195

Incident Energy (MeV)

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