

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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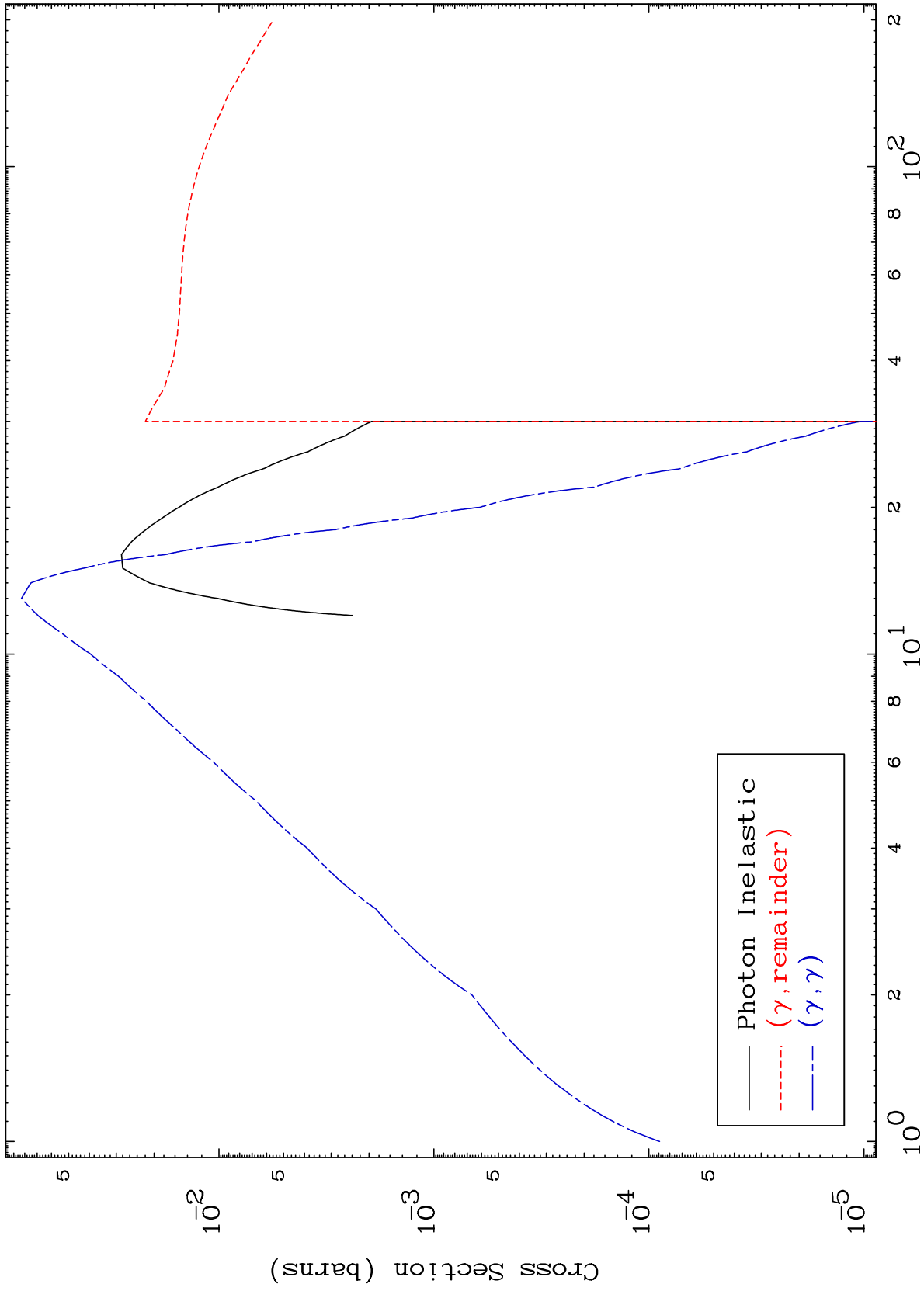
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7865

Photon Major  
0 Kelvin Cross Sections

79-Au-177



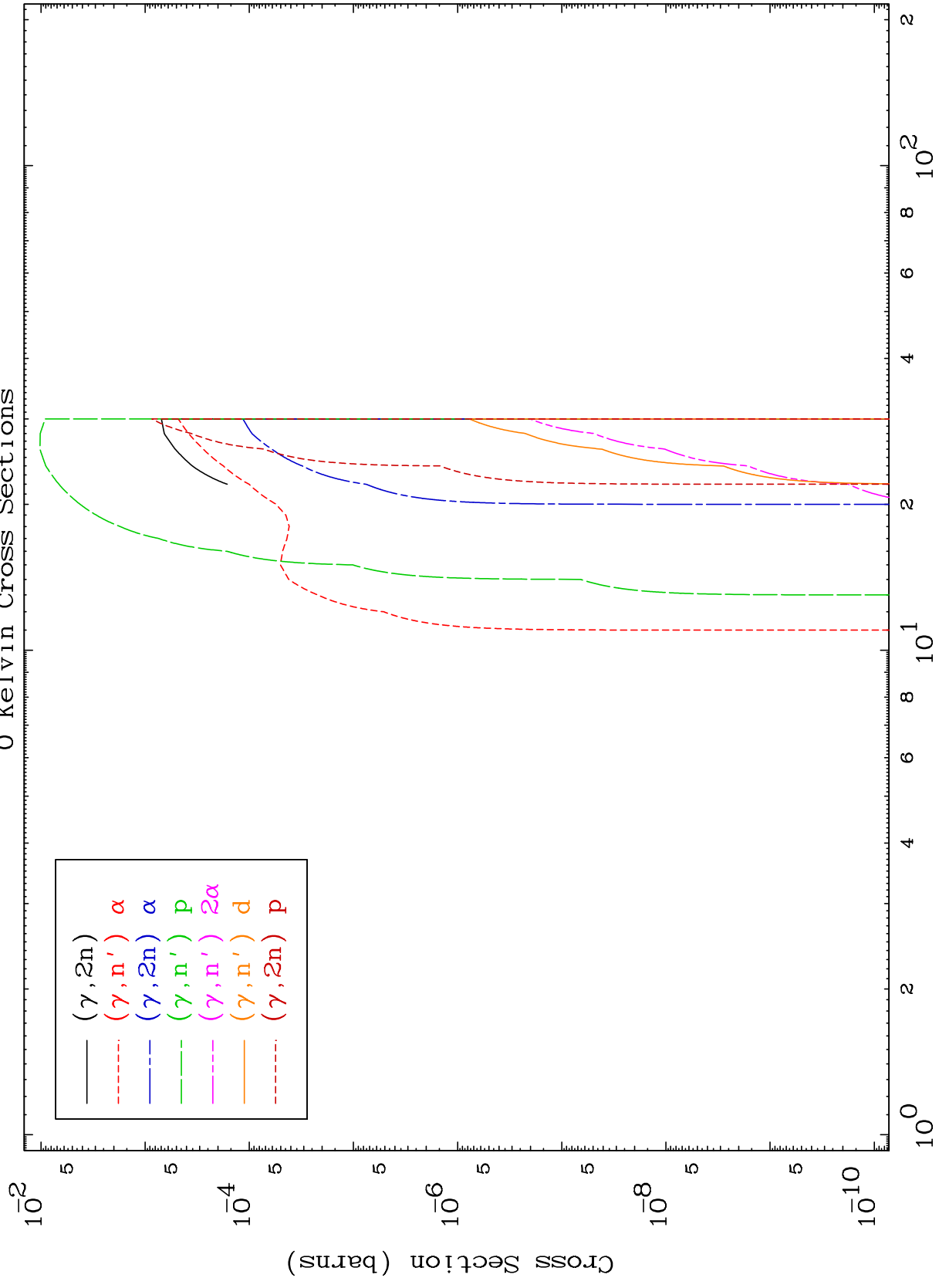
Incident Energy (MeV)

79-Au-177

MAT 7865

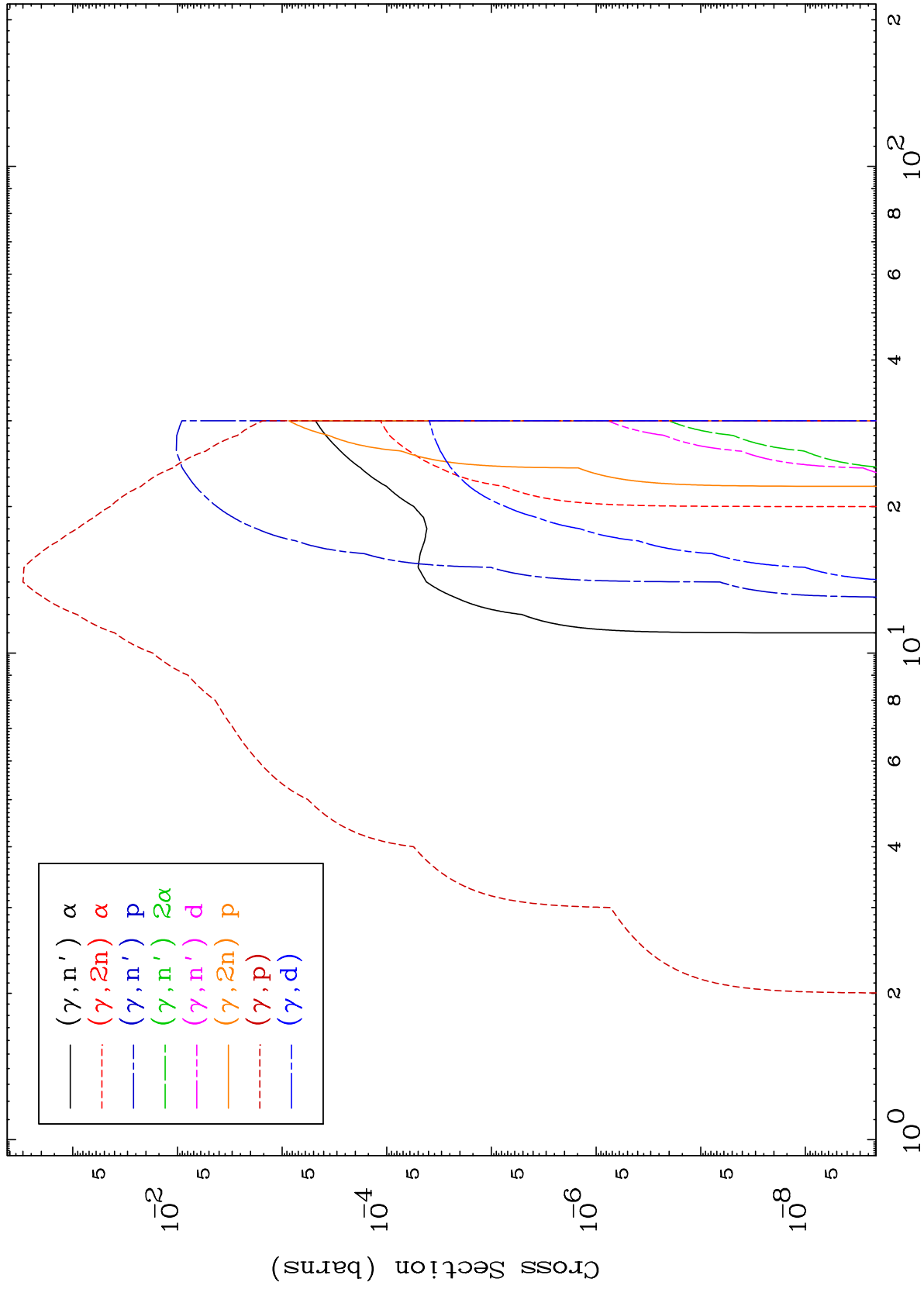
Photon Neutron Production  
0 Kelvin Cross Sections

79-Au-177



Incident Energy (MeV)

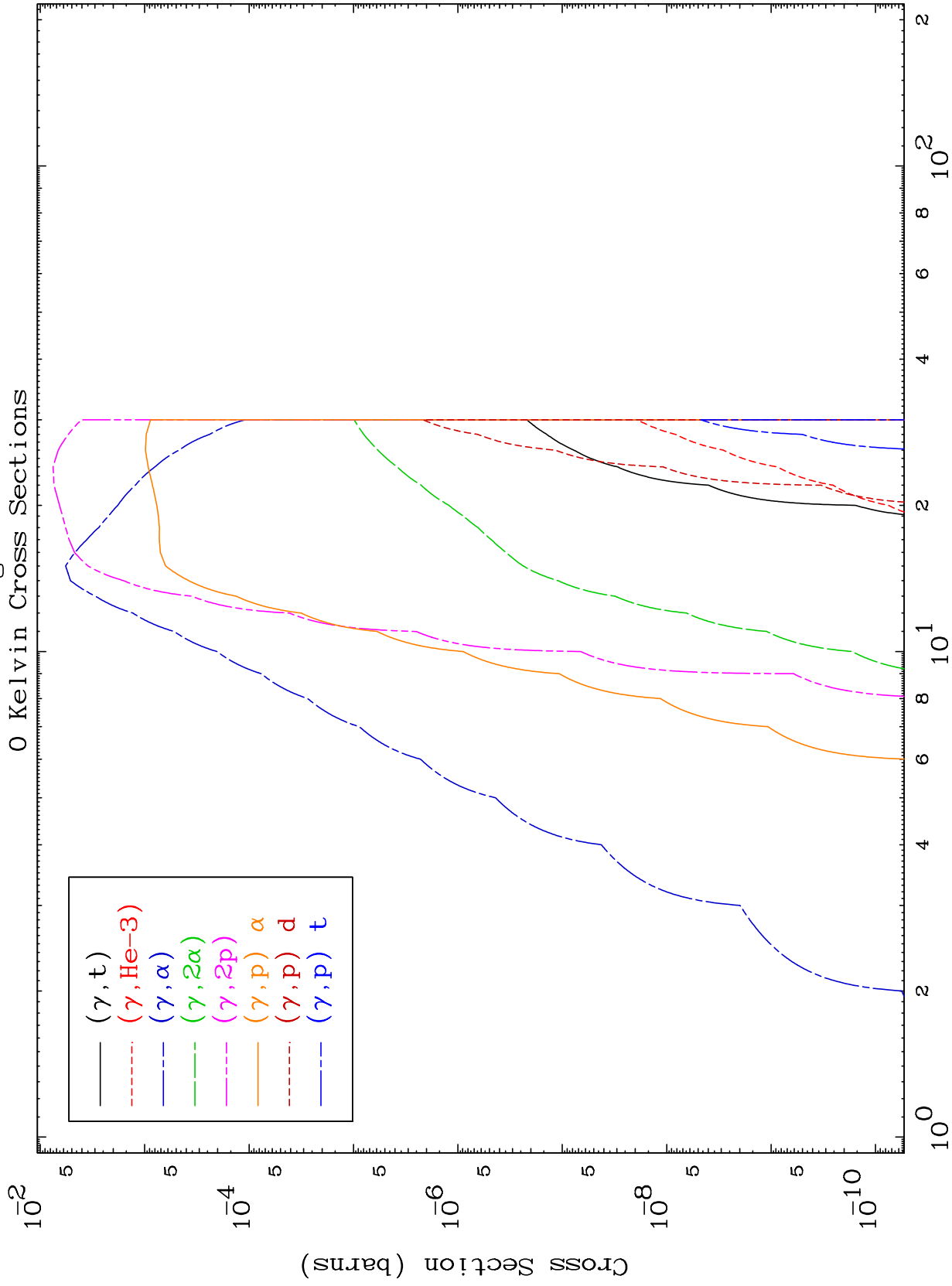
79-Au-177



MAT 7865

Photon Charged Particle  
0 Kelvin Cross Sections

79-Au-177



Incident Energy (MeV)

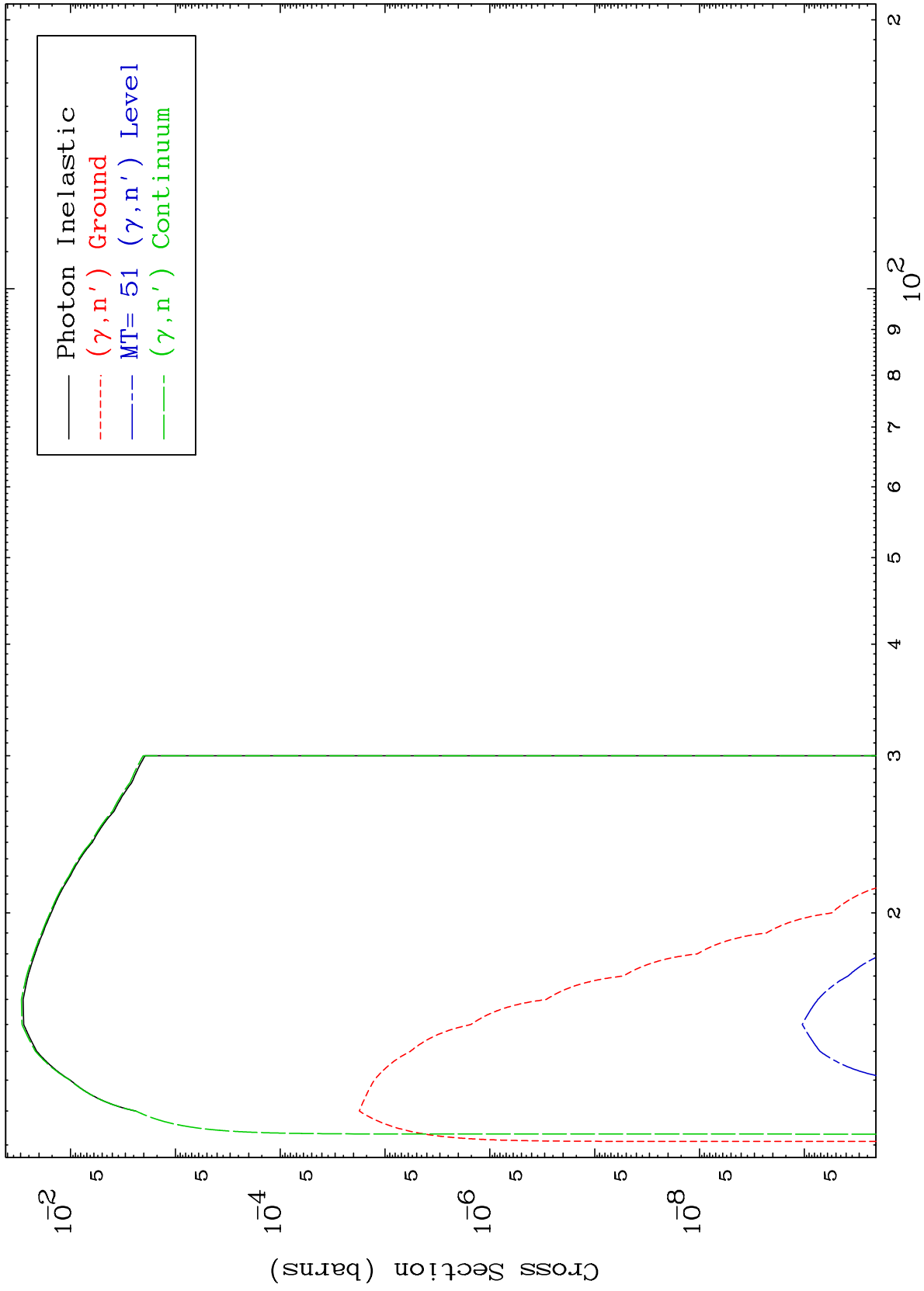
79-Au-177

4

MAT 7865

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

79-Au-177



5

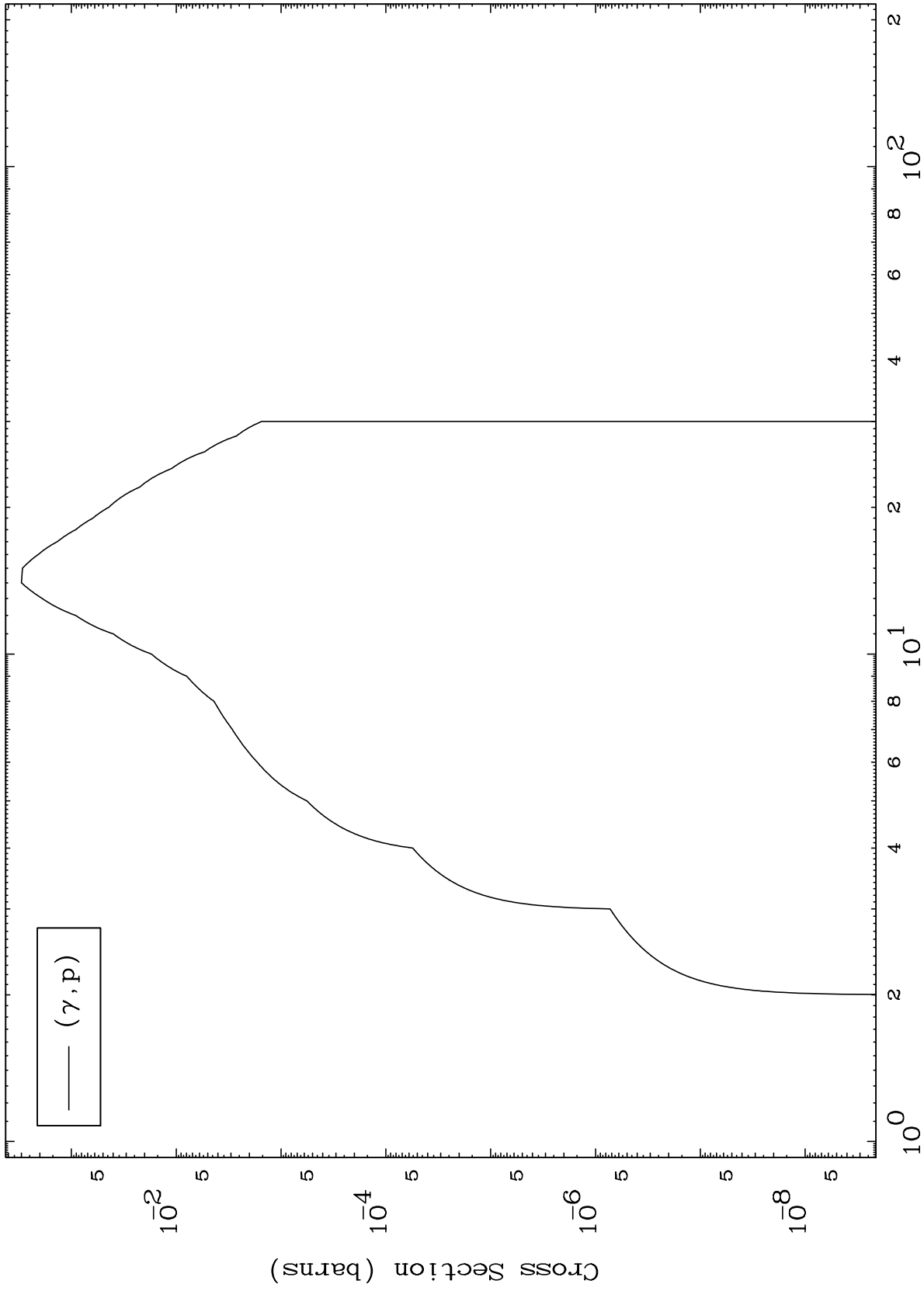
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



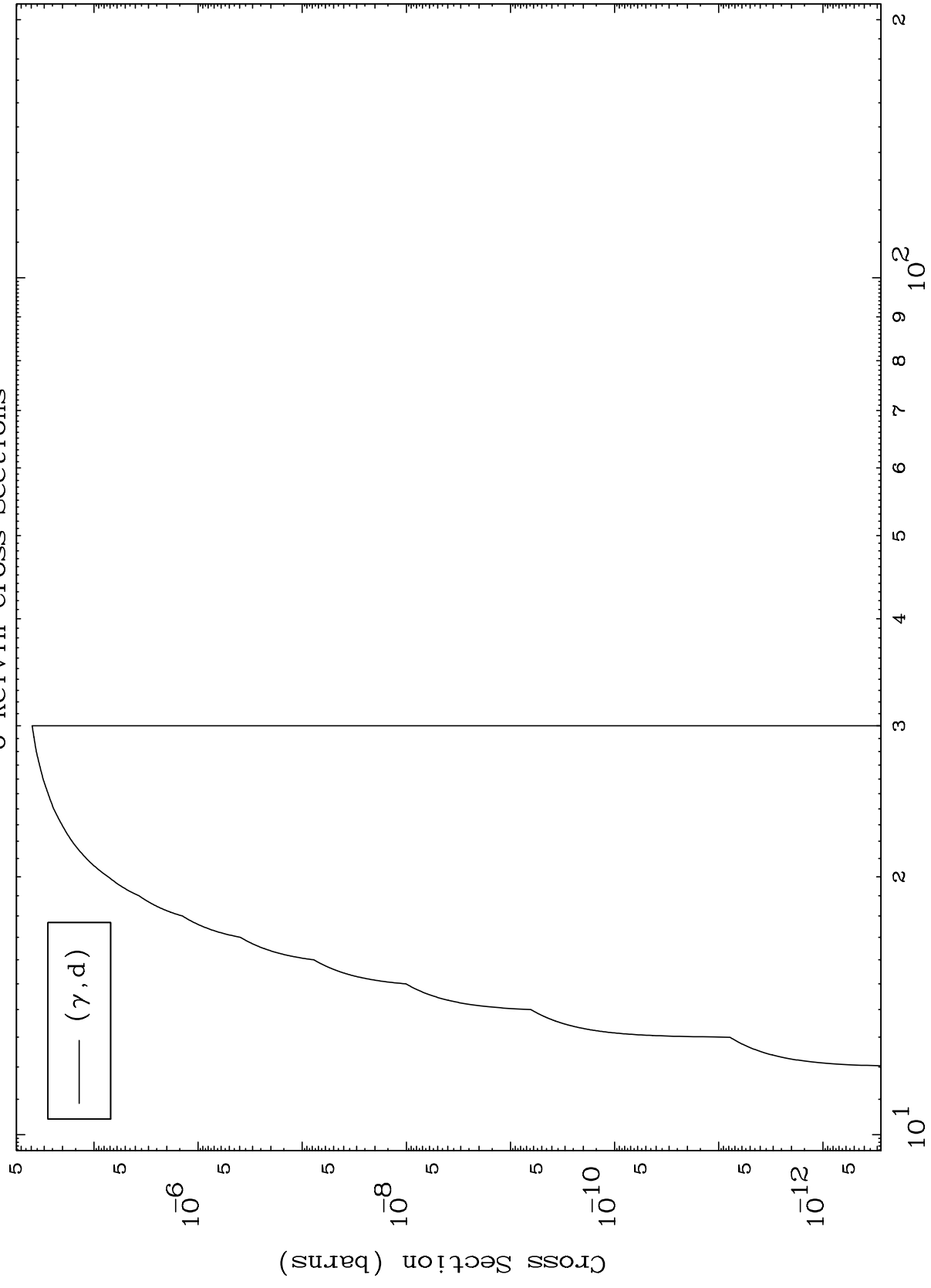
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



Incident Energy (MeV)

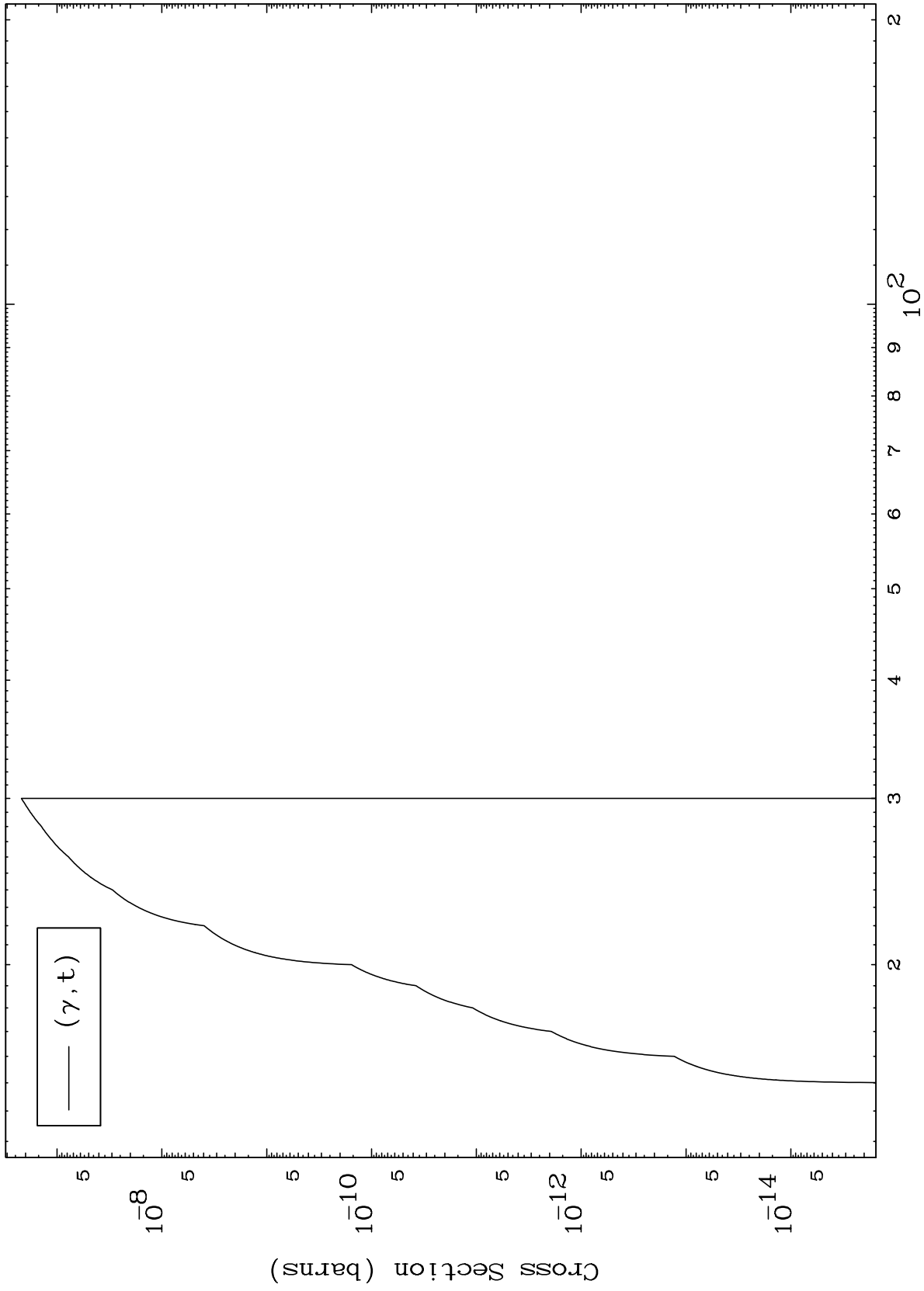
79-Au-177



MAT 7865

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

79-Au-177



8

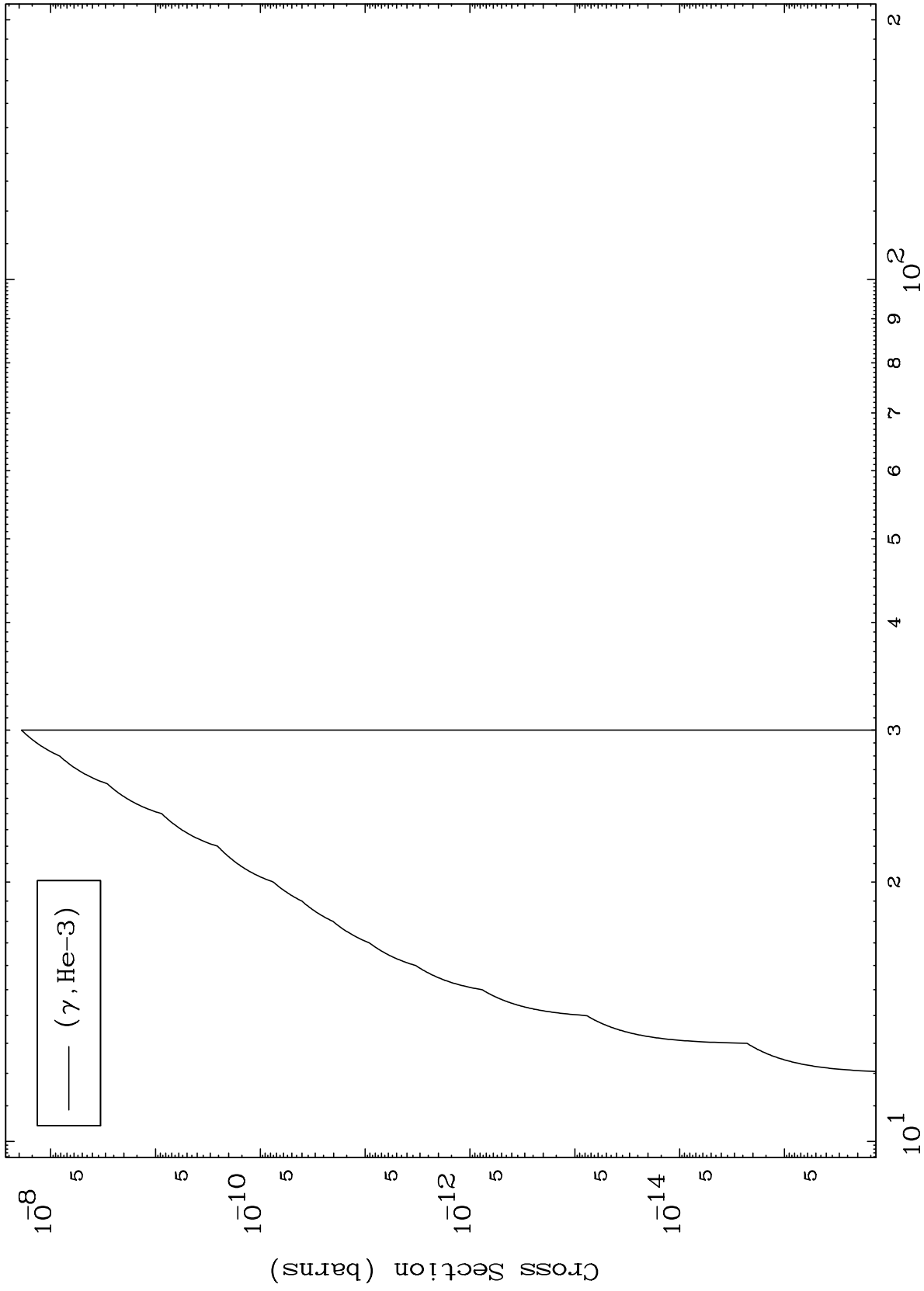
Incident Energy (MeV)

79-Au-177

MAT 7865

( $\gamma$ ,He3) Levels  
0 Kelvin Cross Sections

79-Au-177



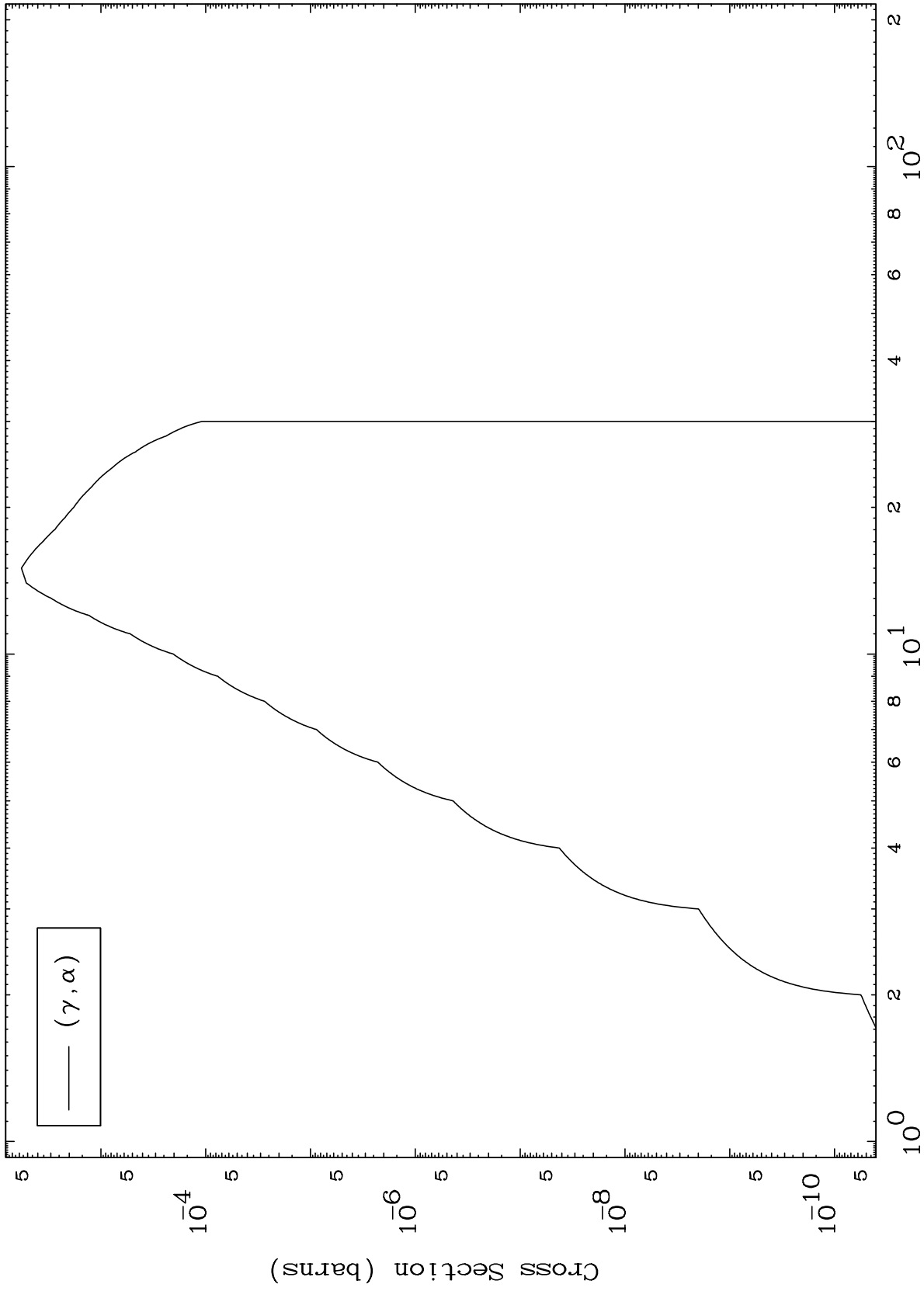
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



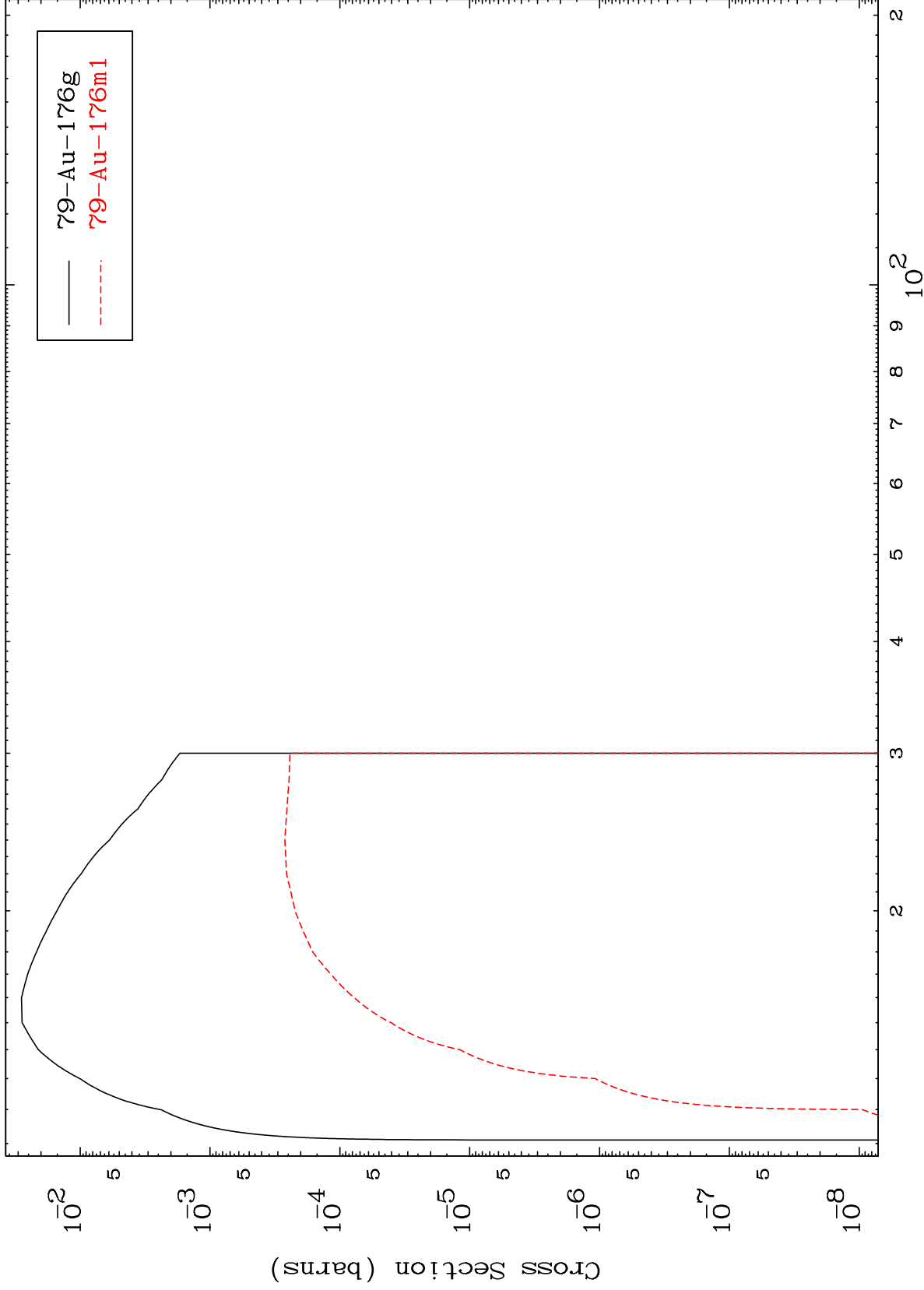
Incident Energy (MeV)

79-Au-177

MAT 7865

Photon Inelastic  
Radionuclide Production Cross Section

<sup>79</sup>Au-177



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Incident Energy (MeV)

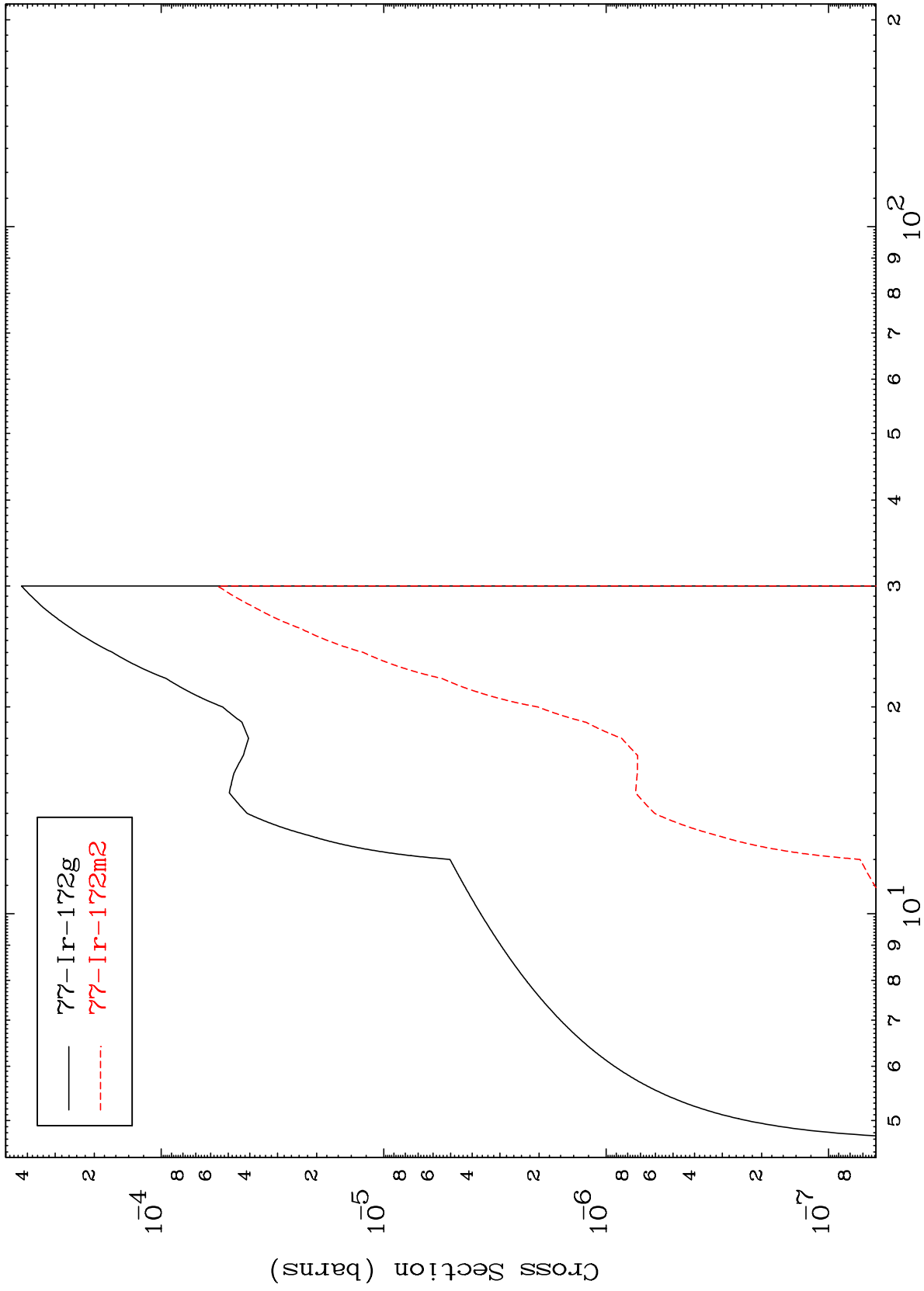
<sup>79</sup>Au-177

MAT 7865

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

<sup>79</sup>Au-177

Radionuclide Production Cross Section



12

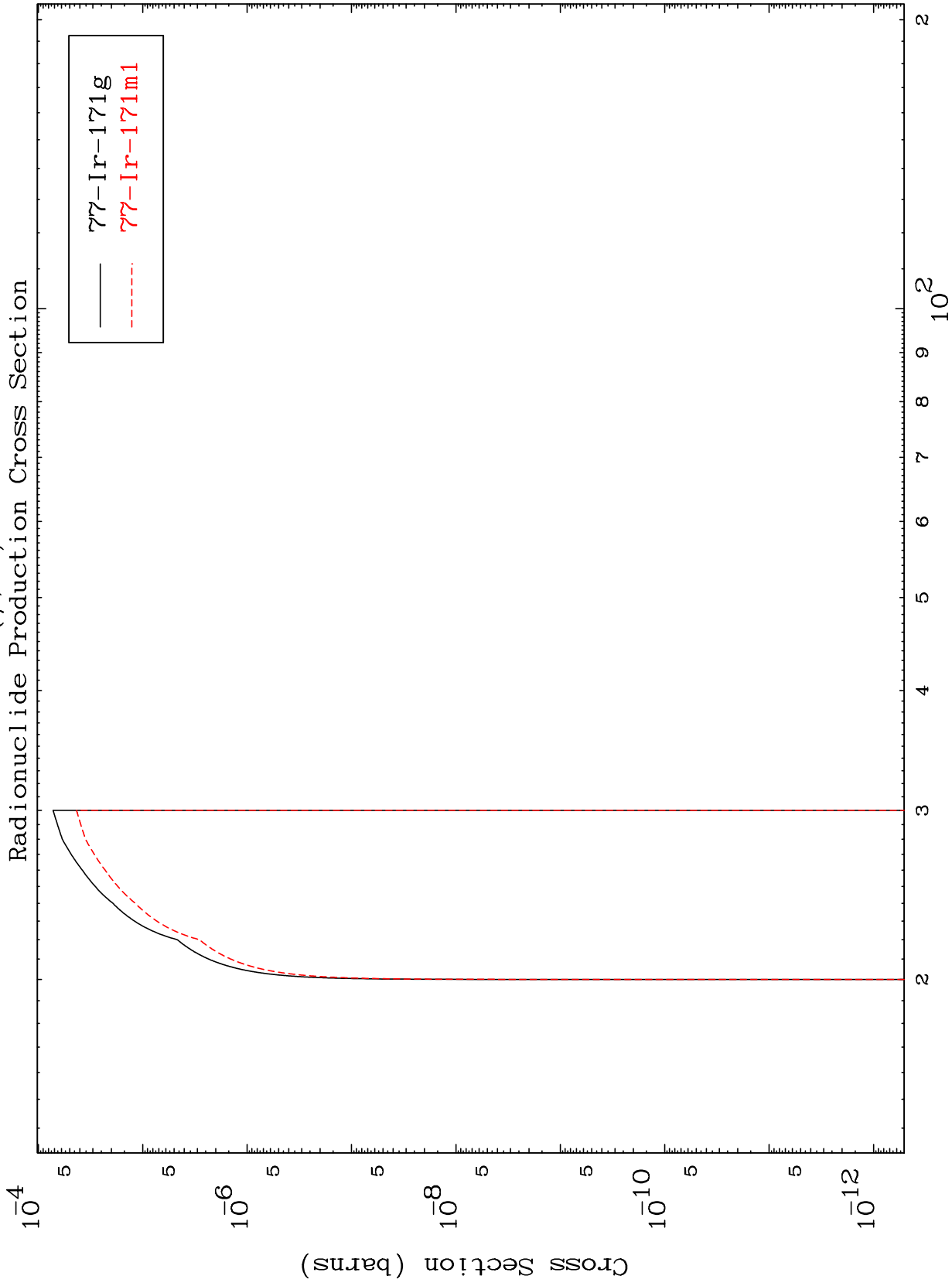
Incident Energy (MeV)

<sup>79</sup>Au-177

MAT 7865

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

<sup>79</sup>Au-177



13

Incident Energy (MeV)

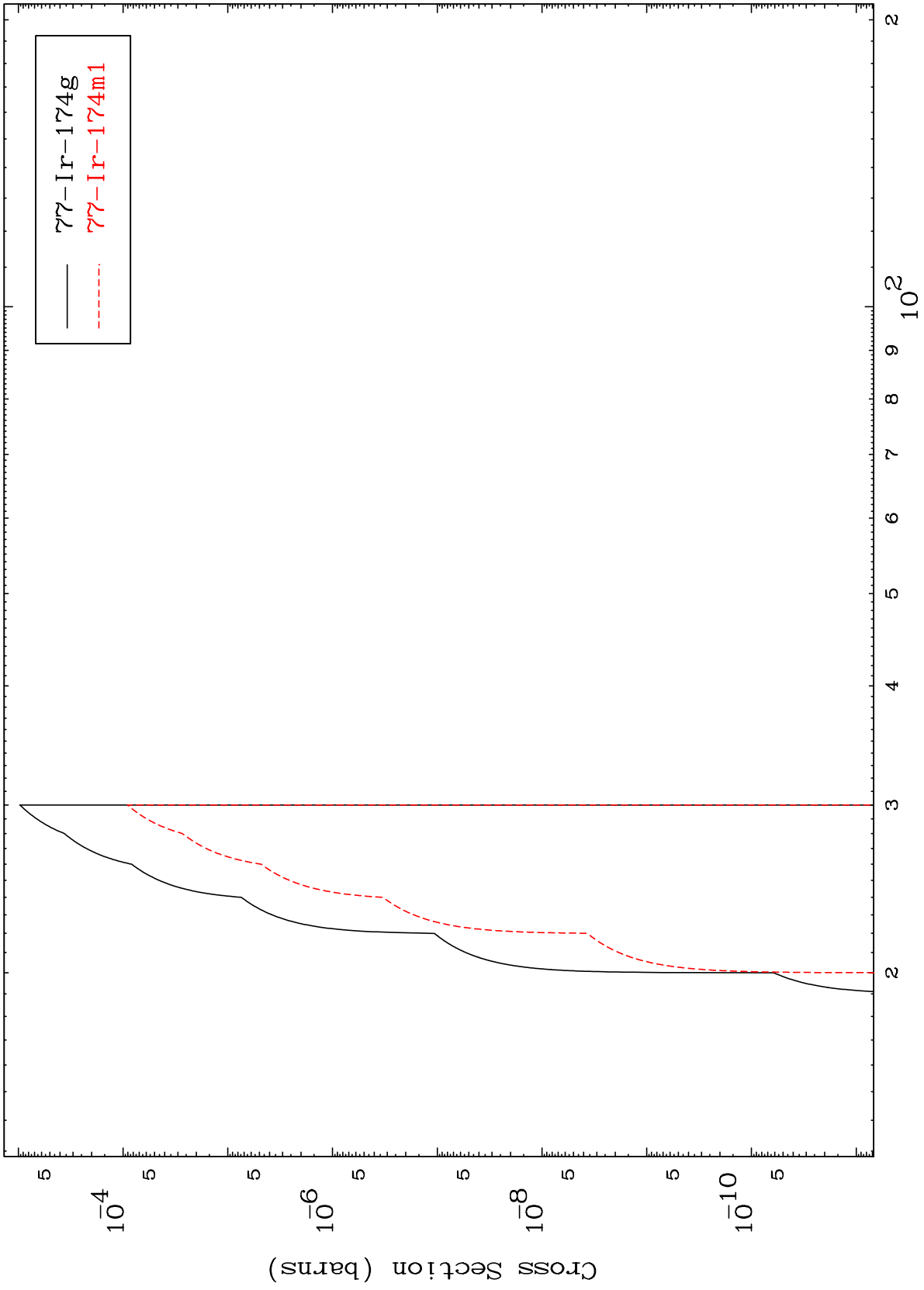
<sup>79</sup>Au-177

MAT 7865

$(\gamma, 2n)$  p

<sup>79</sup>Au-177

Radionuclide Production Cross Section



14

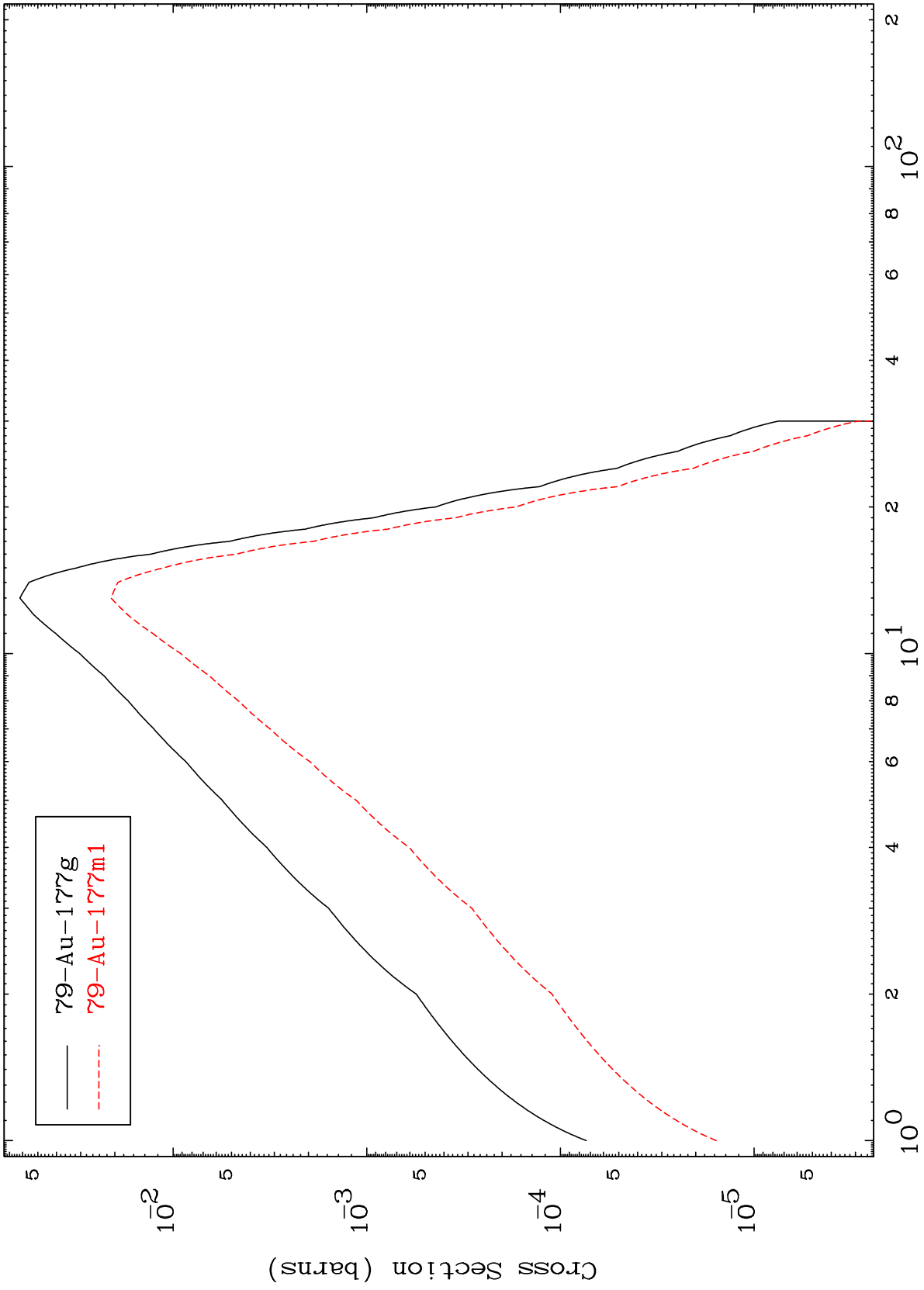
Incident Energy (MeV)

<sup>79</sup>Au-177

MAT 7865

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

$^{79}\text{Au-177}$



—  $^{79}\text{Au-177g}$   
- - -  $^{79}\text{Au-177m1}$

Incident Energy (MeV)

$^{79}\text{Au-177}$

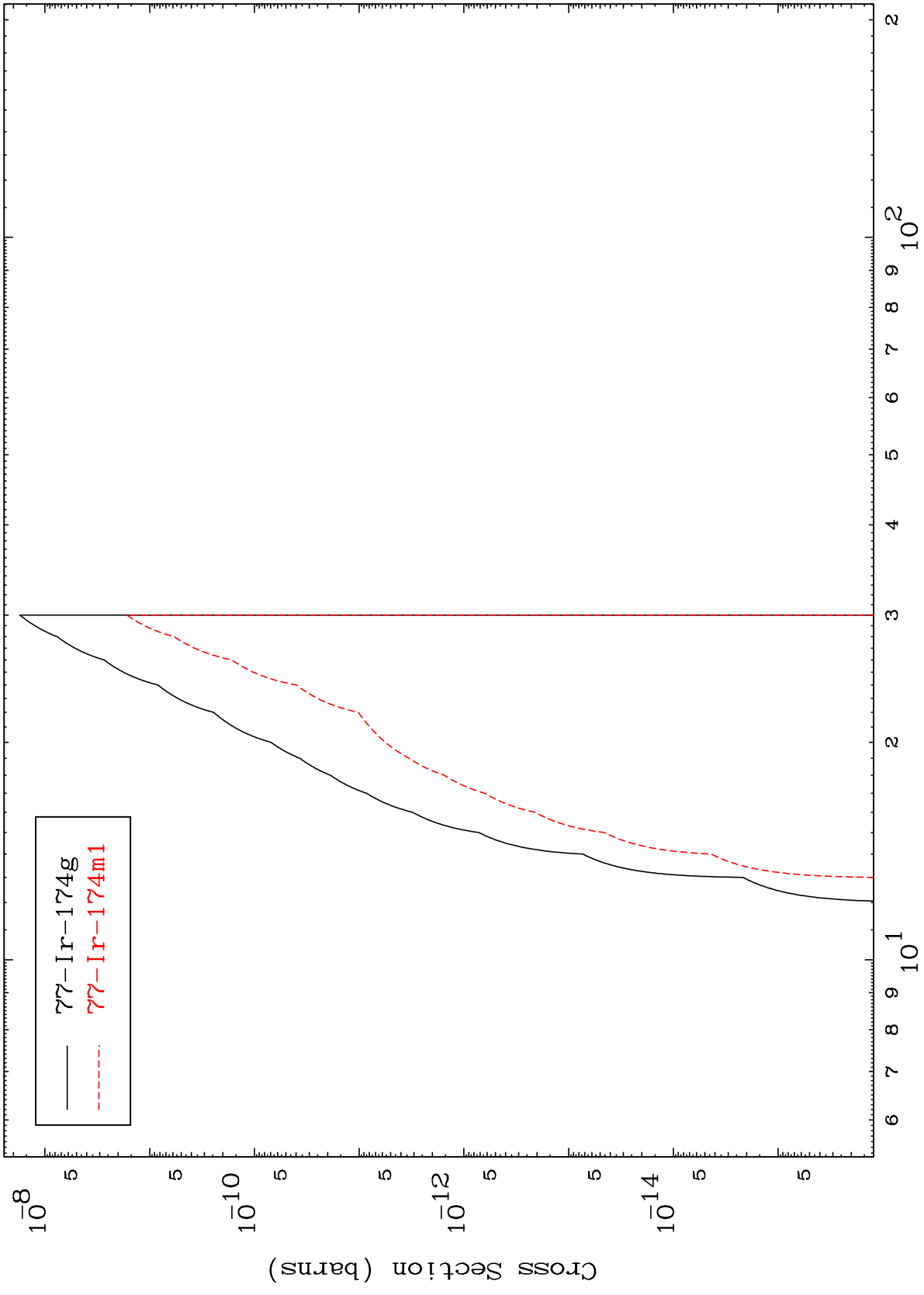


MAT 7865

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

<sup>79</sup>Au-177

Radionuclide Production Cross Section



16

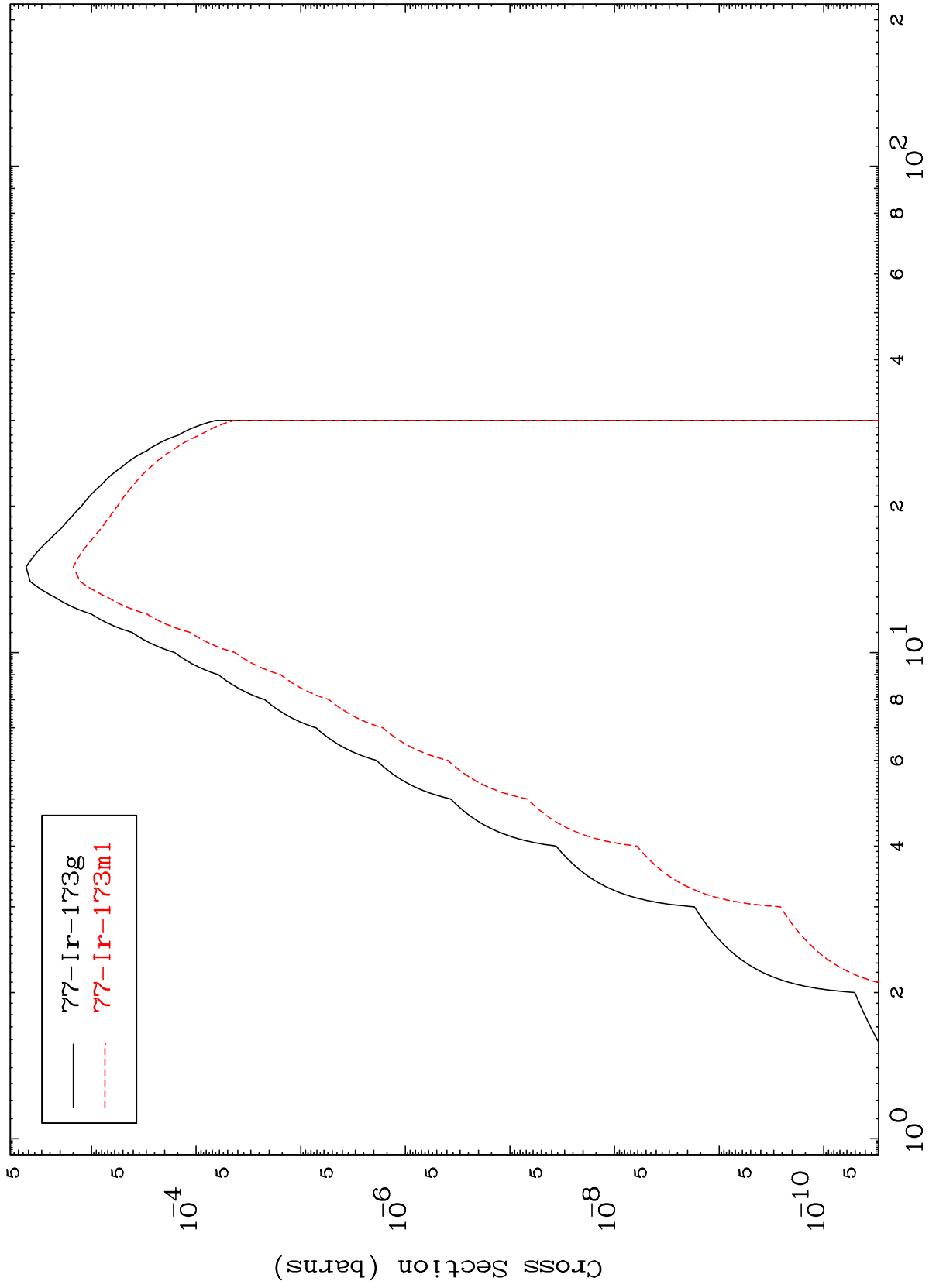
Incident Energy (MeV)

<sup>79</sup>Au-177

MAT 7865

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

<sup>79</sup>Au-177



— <sup>77</sup>Ir-173g  
- - - <sup>77</sup>Ir-173m1

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Incident Energy (MeV)

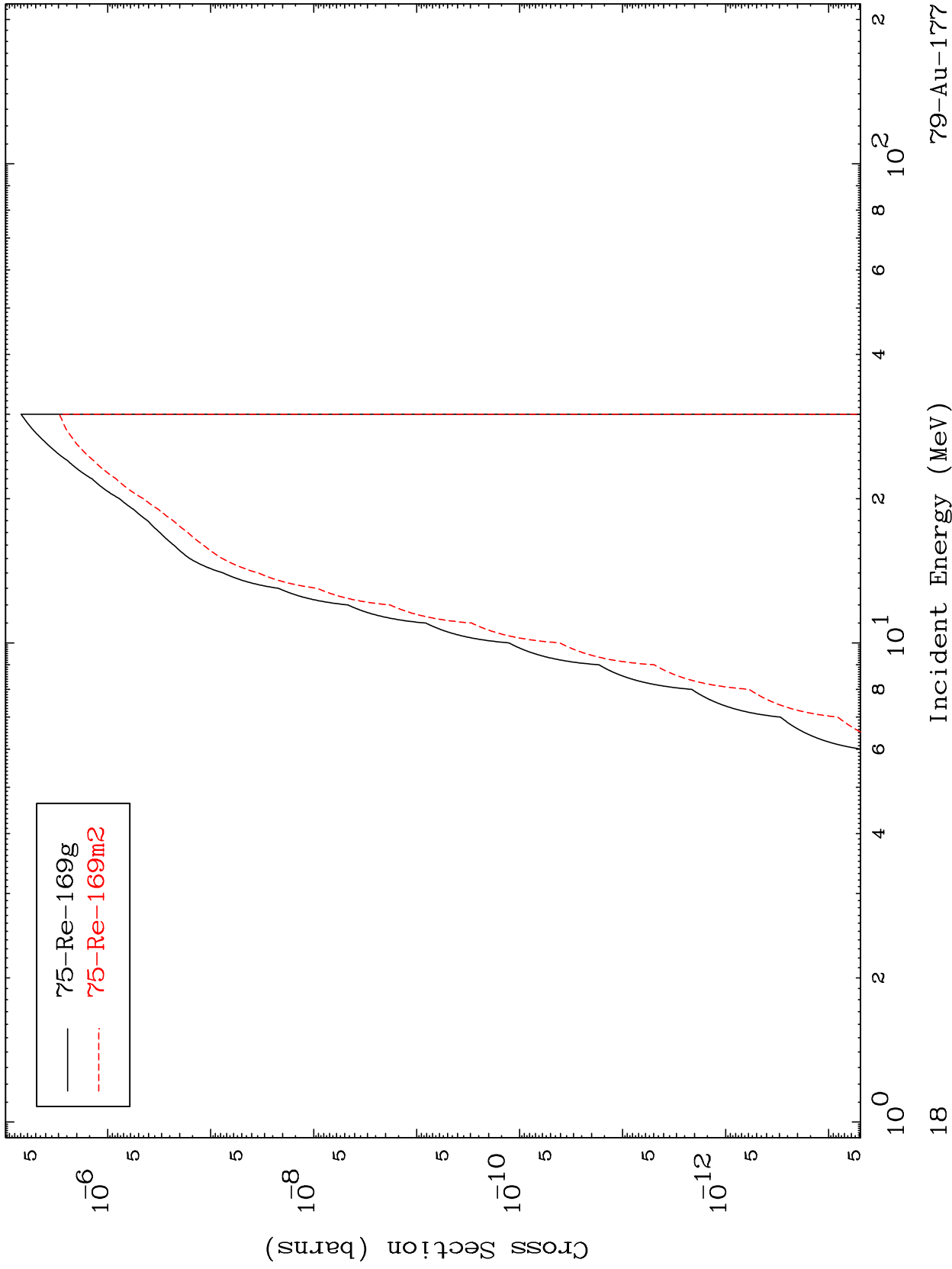
<sup>79</sup>Au-177

MAT 7865

( $\gamma, 2\alpha$ )

<sup>79</sup>Au-177

Radionuclide Production Cross Section

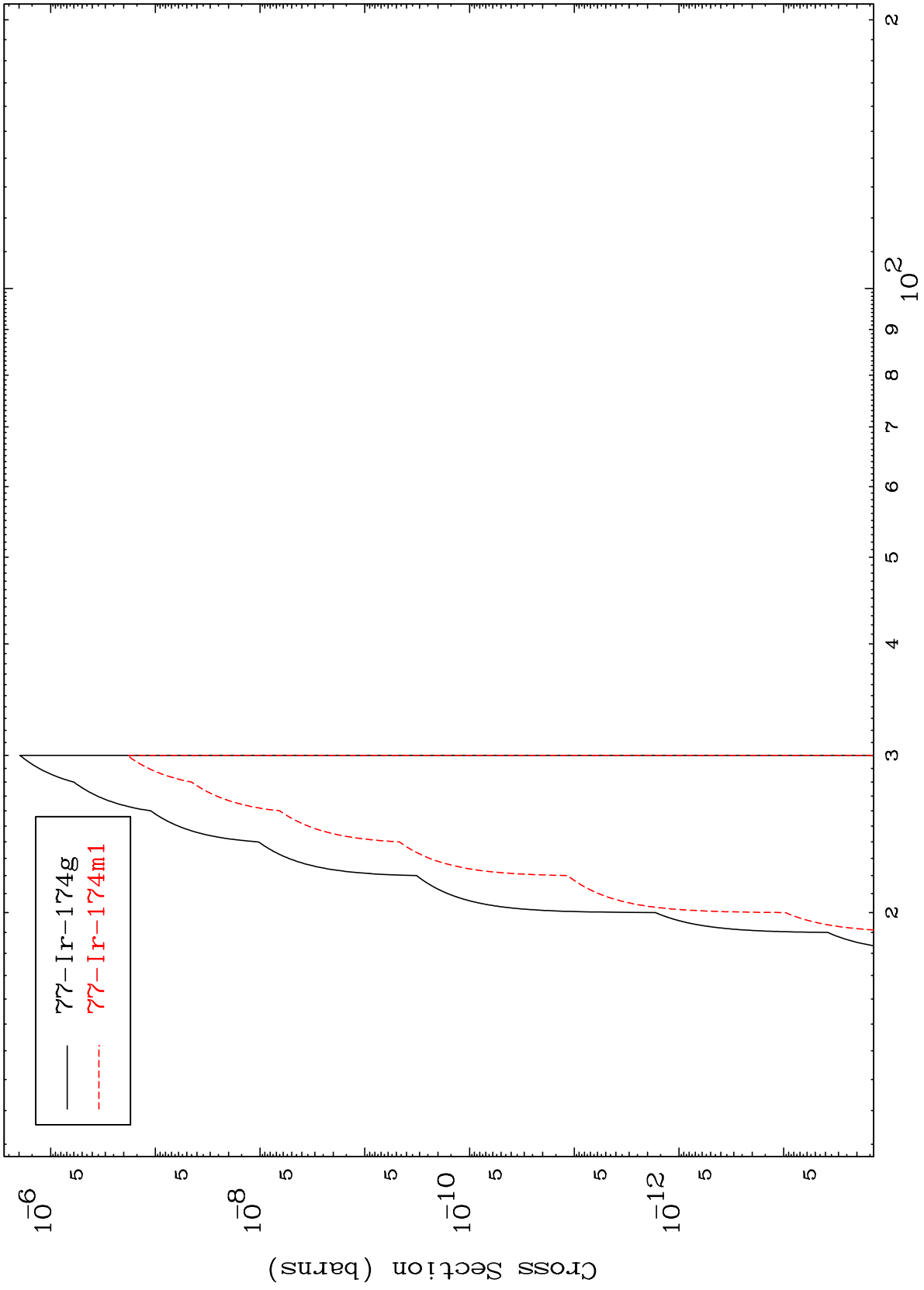


MAT 7865

( $\gamma, p$ ) d

<sup>79</sup>Au-177

Radionuclide Production Cross Section



19

Incident Energy (MeV)

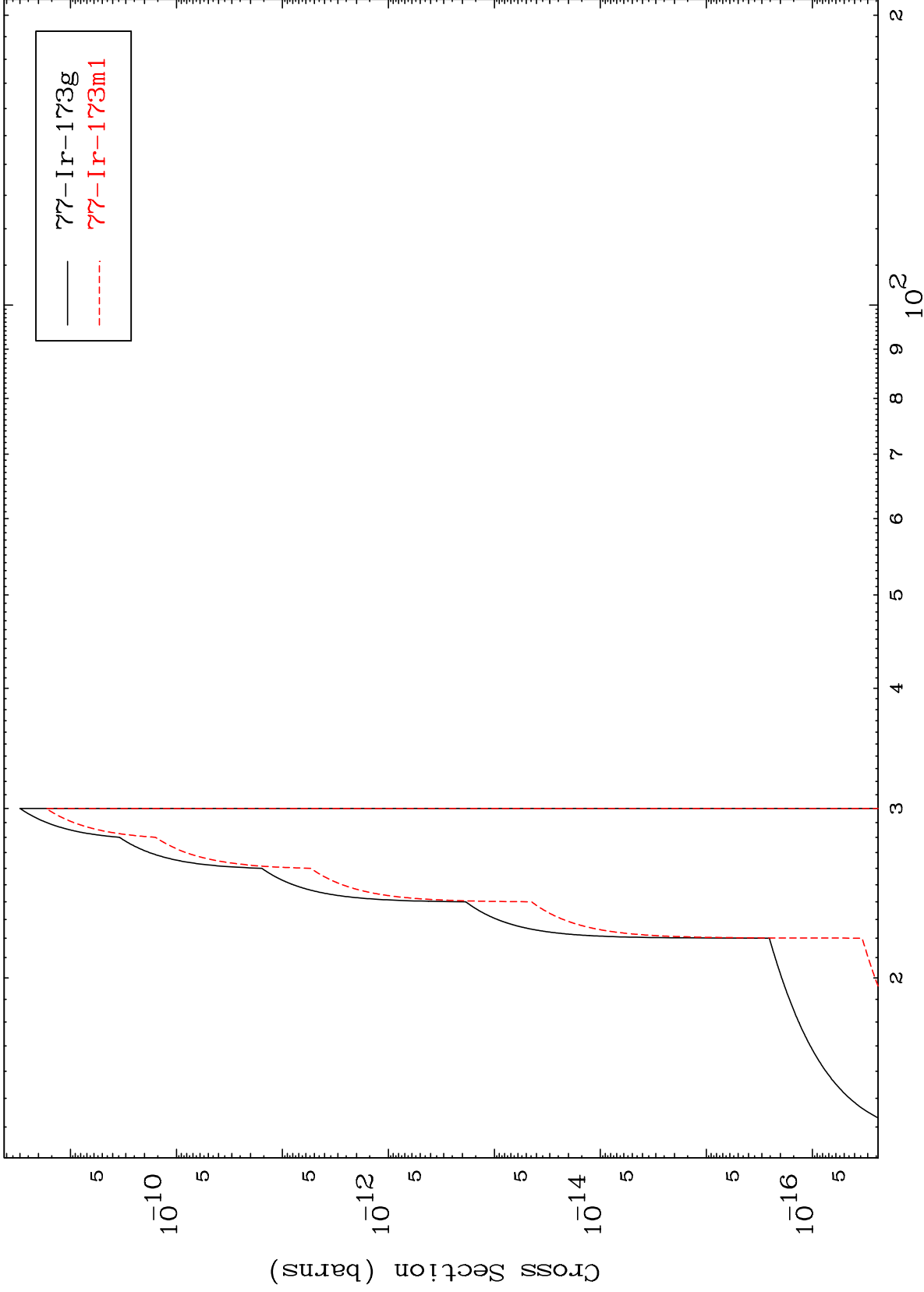
<sup>79</sup>Au-177

MAT 7865

( $\gamma, p$ ) t

79-Au-177

Radionuclide Production Cross Section



20

Incident Energy (MeV)

79-Au-177