

Program EVALPLOT  
(Version 2021-1)

by

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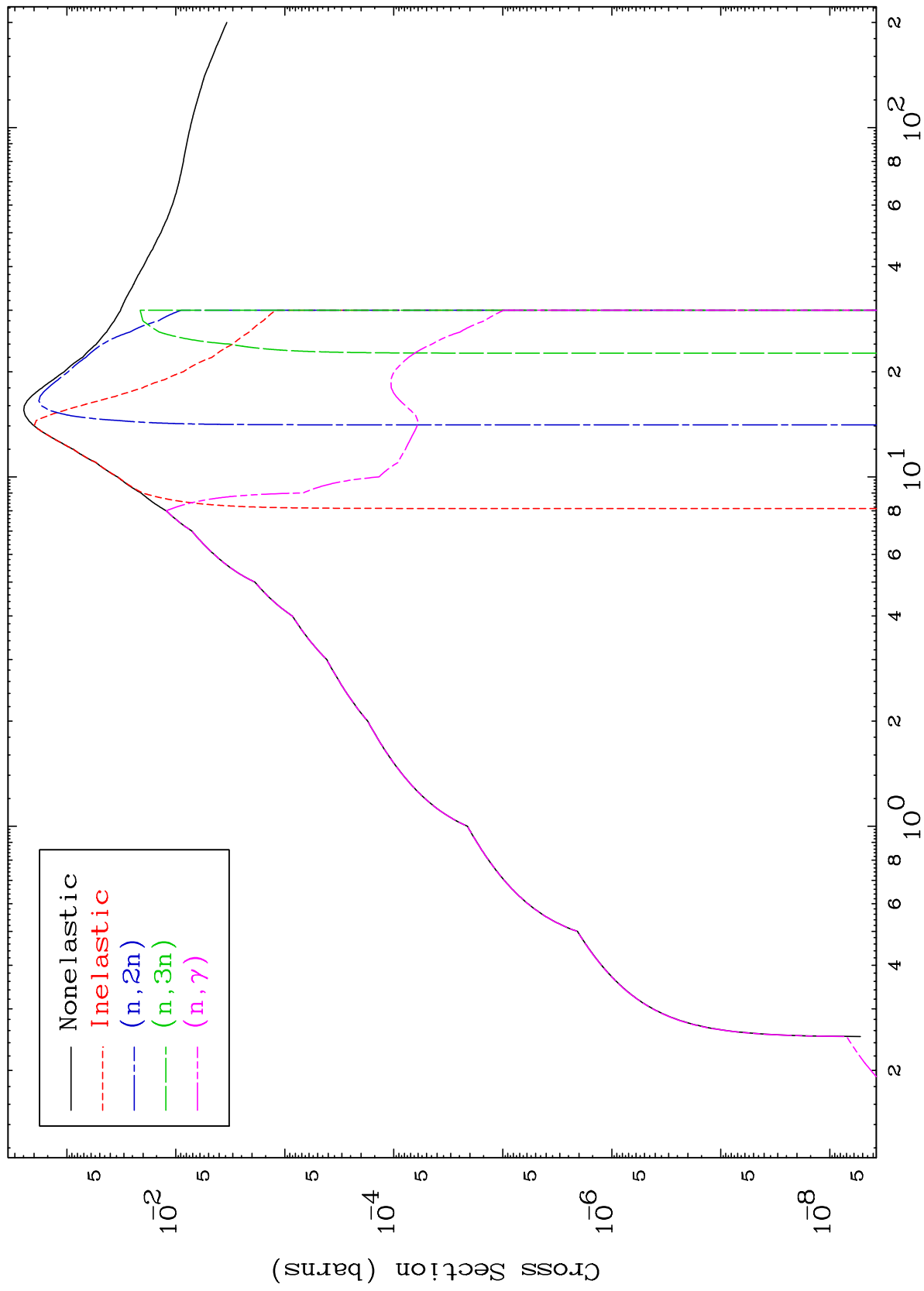
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 4749

Photon Major  
0 Kelvin Cross Sections

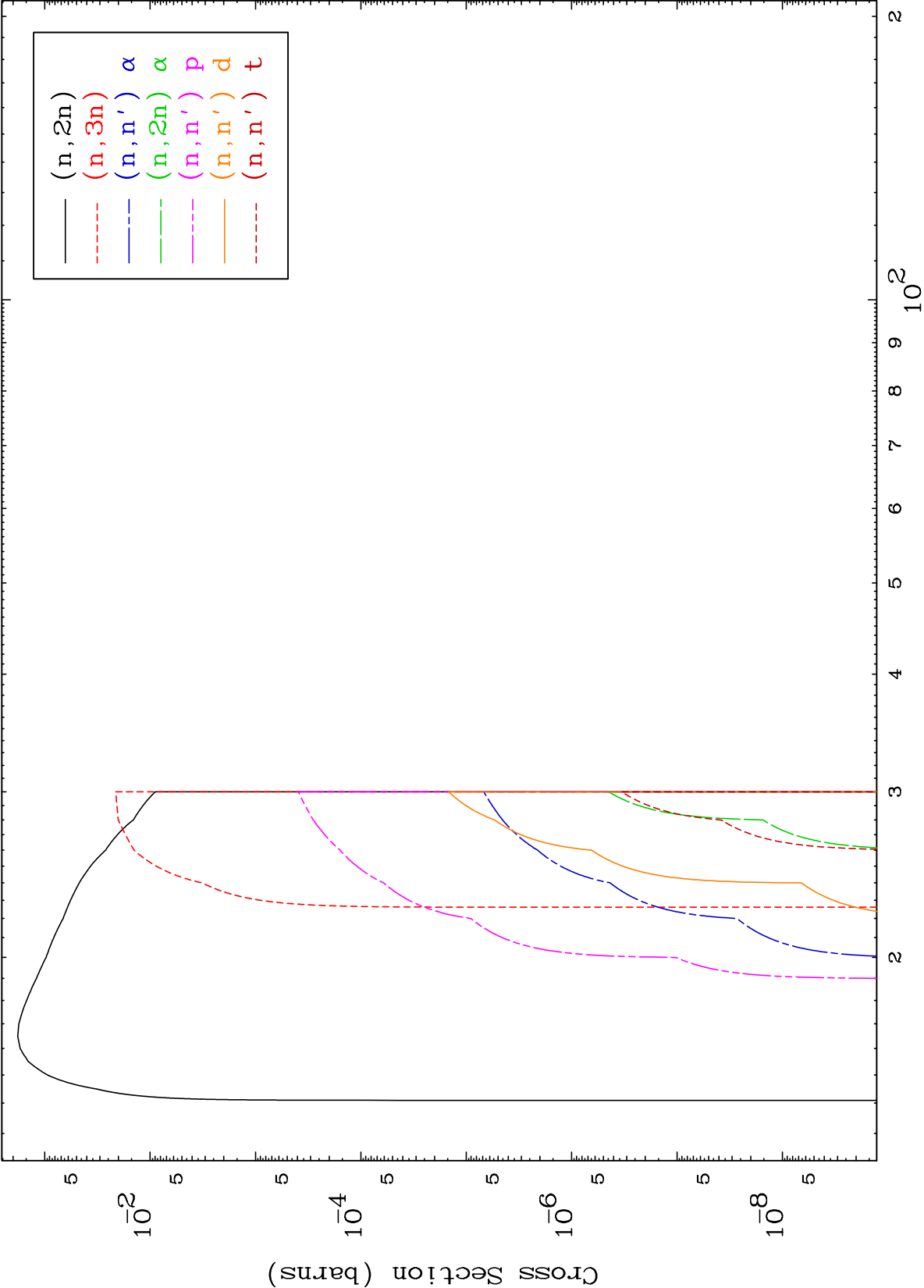
47-Ag-115

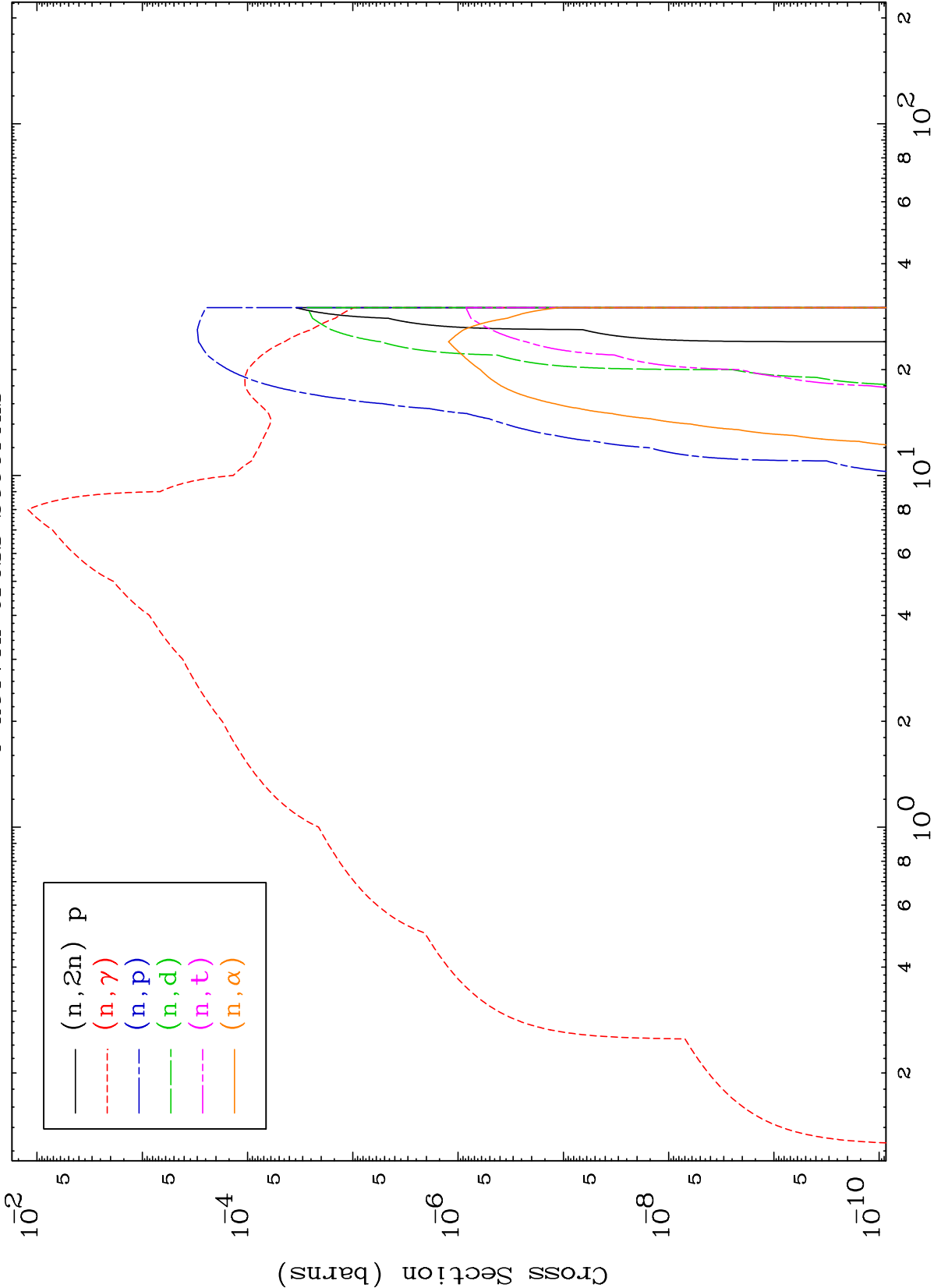


1

Incident Energy (MeV)

47-Ag-115

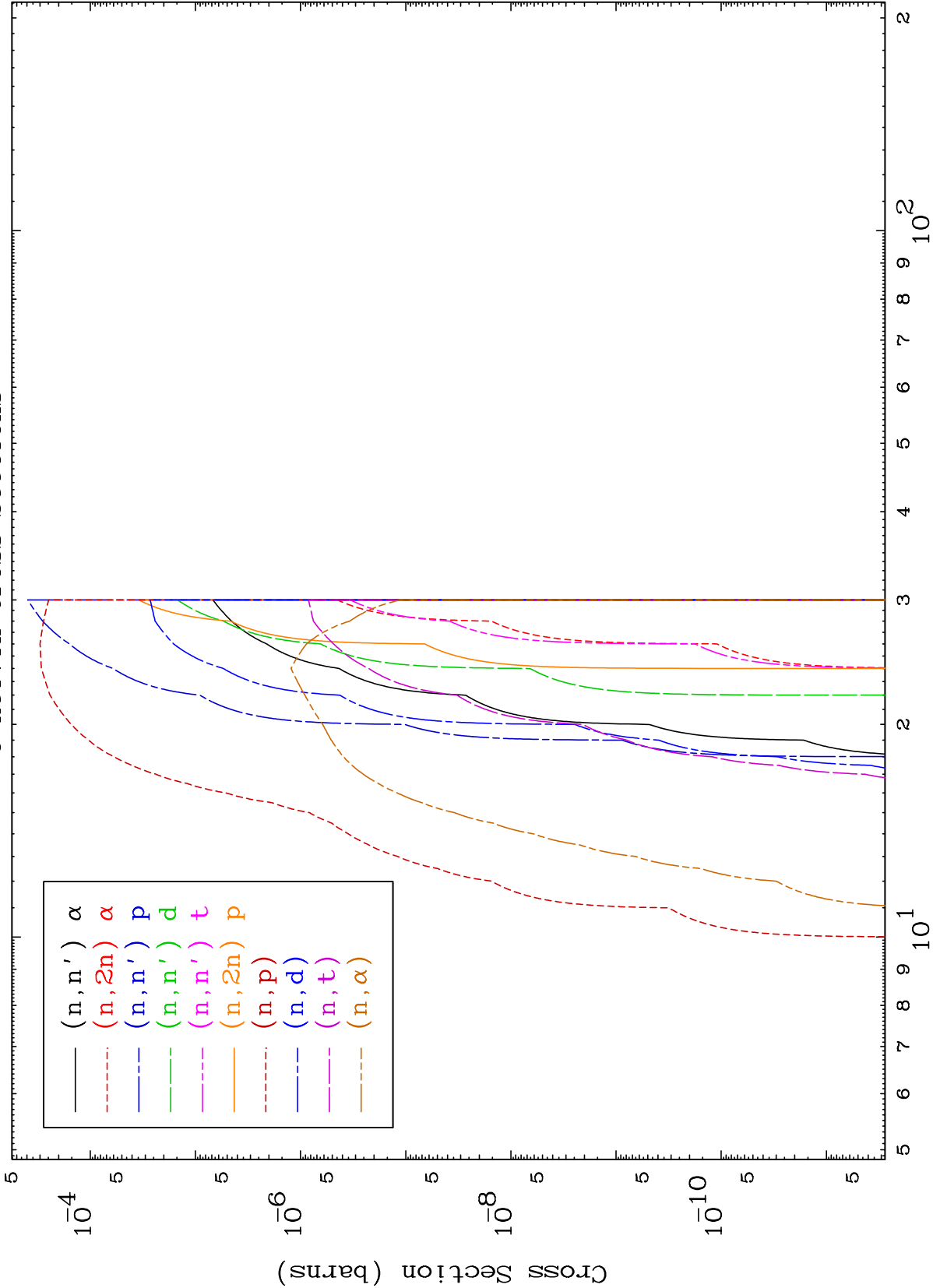




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Photon Charged Particle  
0 Kelvin Cross Sections

47-Ag-115



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Incident Energy (MeV)

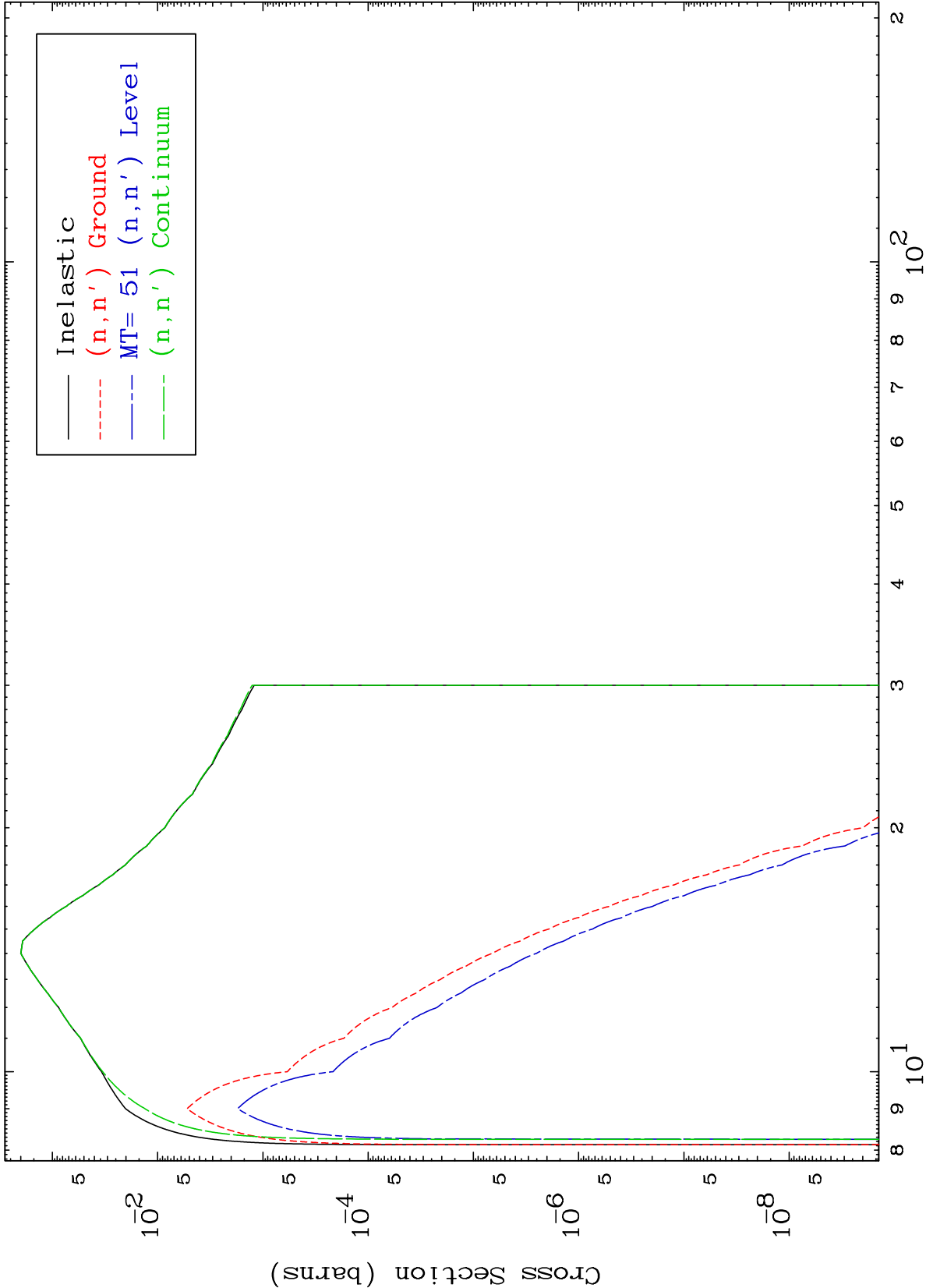
47-Ag-115

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$(\gamma, n')$  Levels

47-Ag-115

0 Kelvin Cross Sections



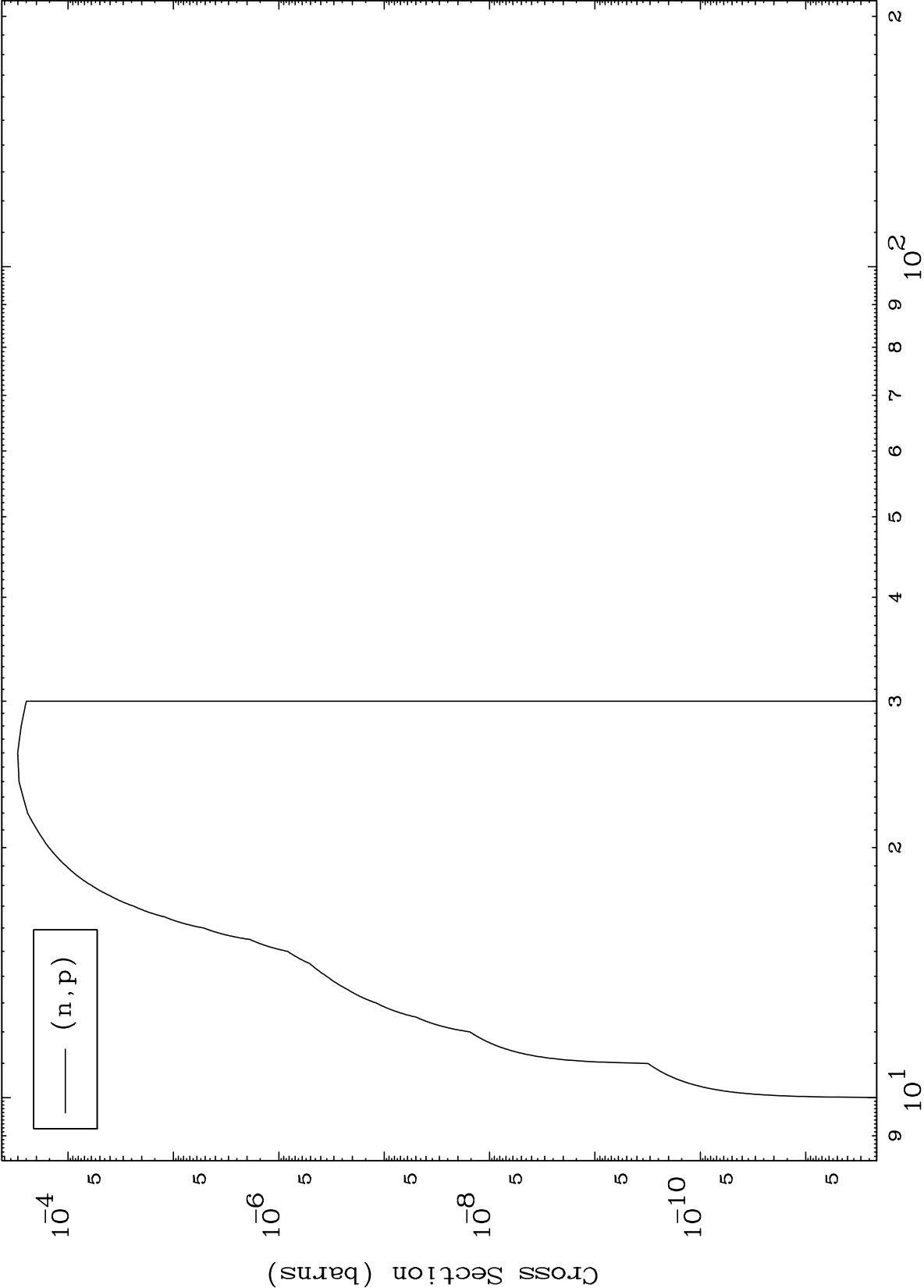
Incident Energy (MeV)

47-Ag-115

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47-Ag-115

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



47-Ag-115

Incident Energy (MeV)

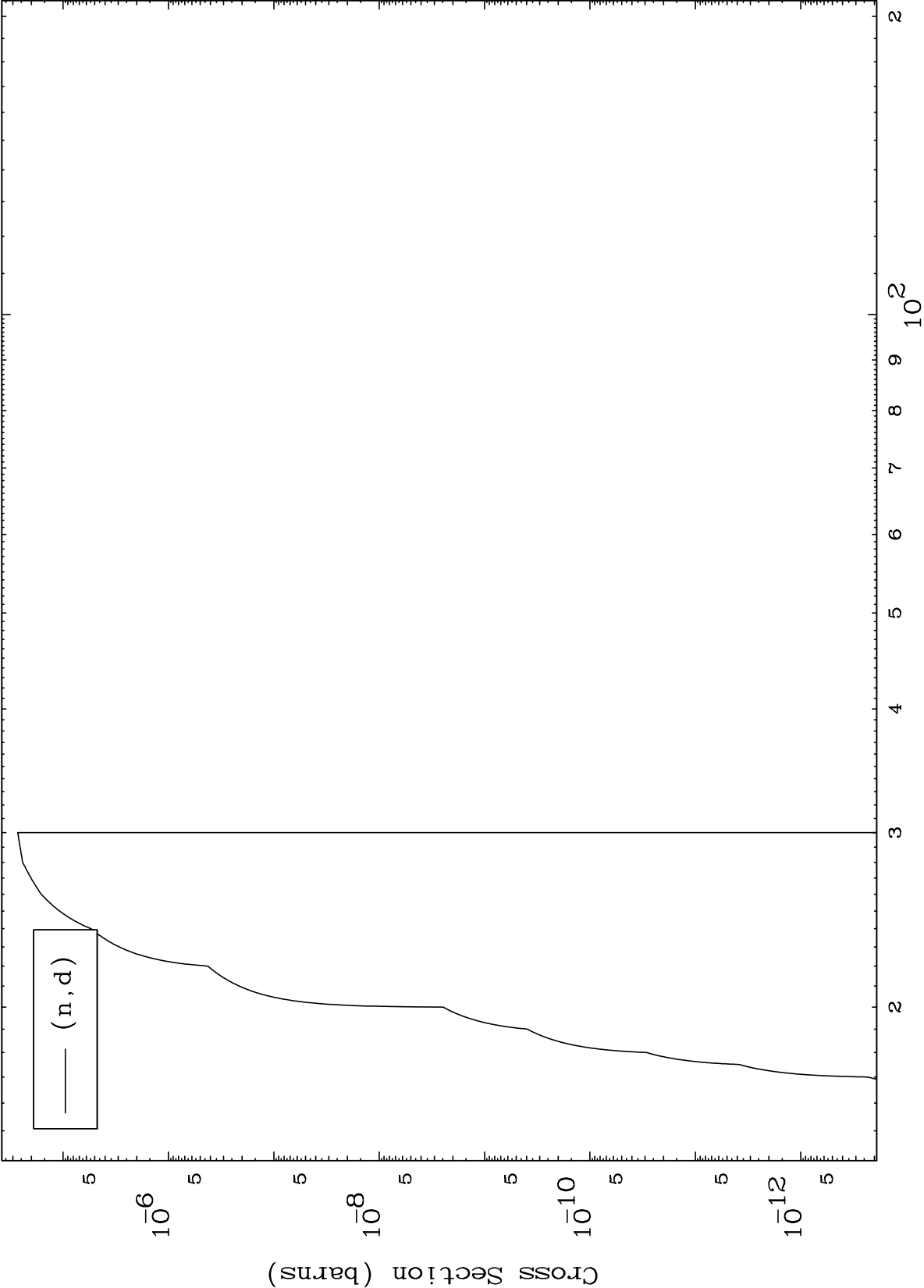
6

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( $\gamma, d$ ) Levels

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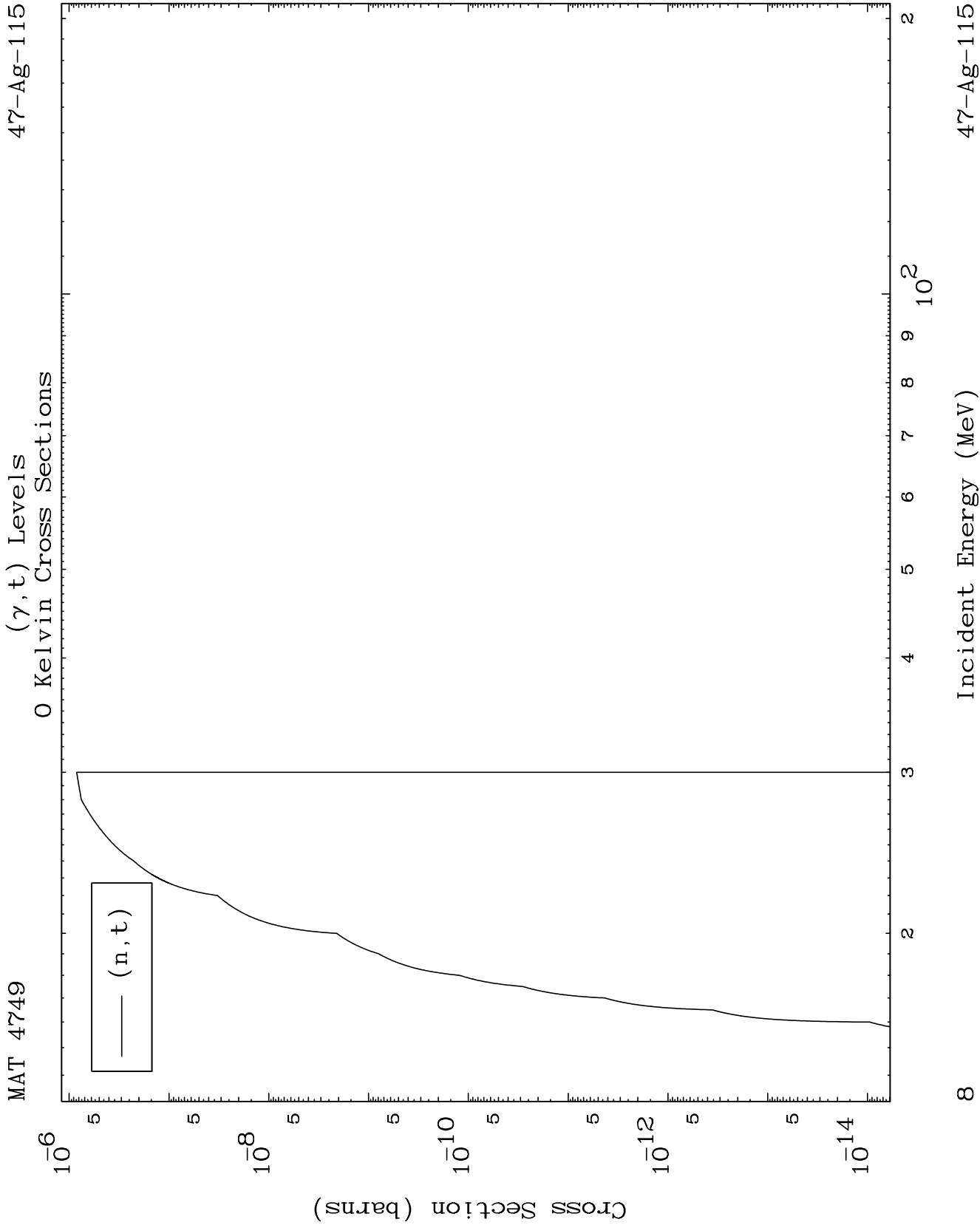
0 Kelvin Cross Sections

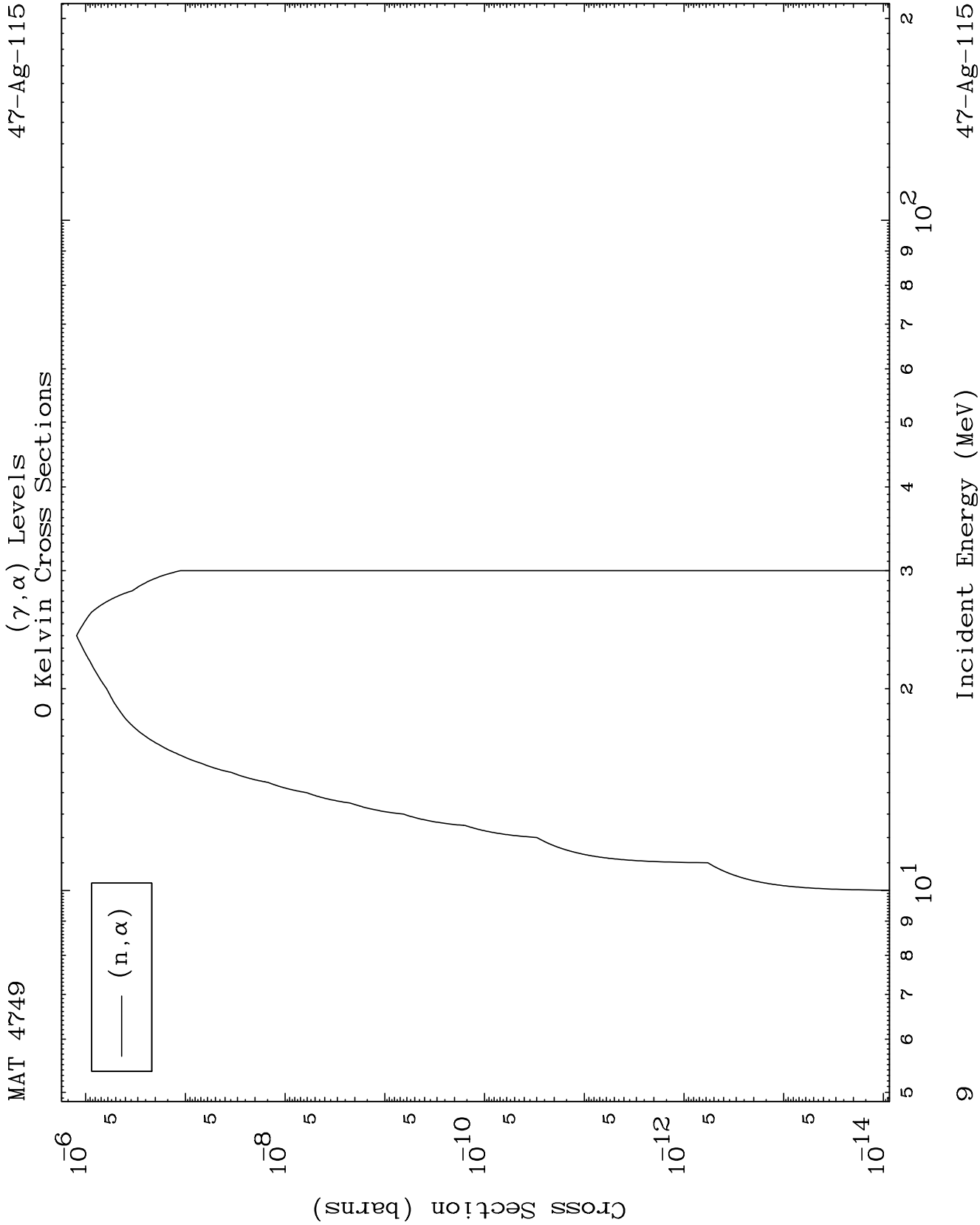


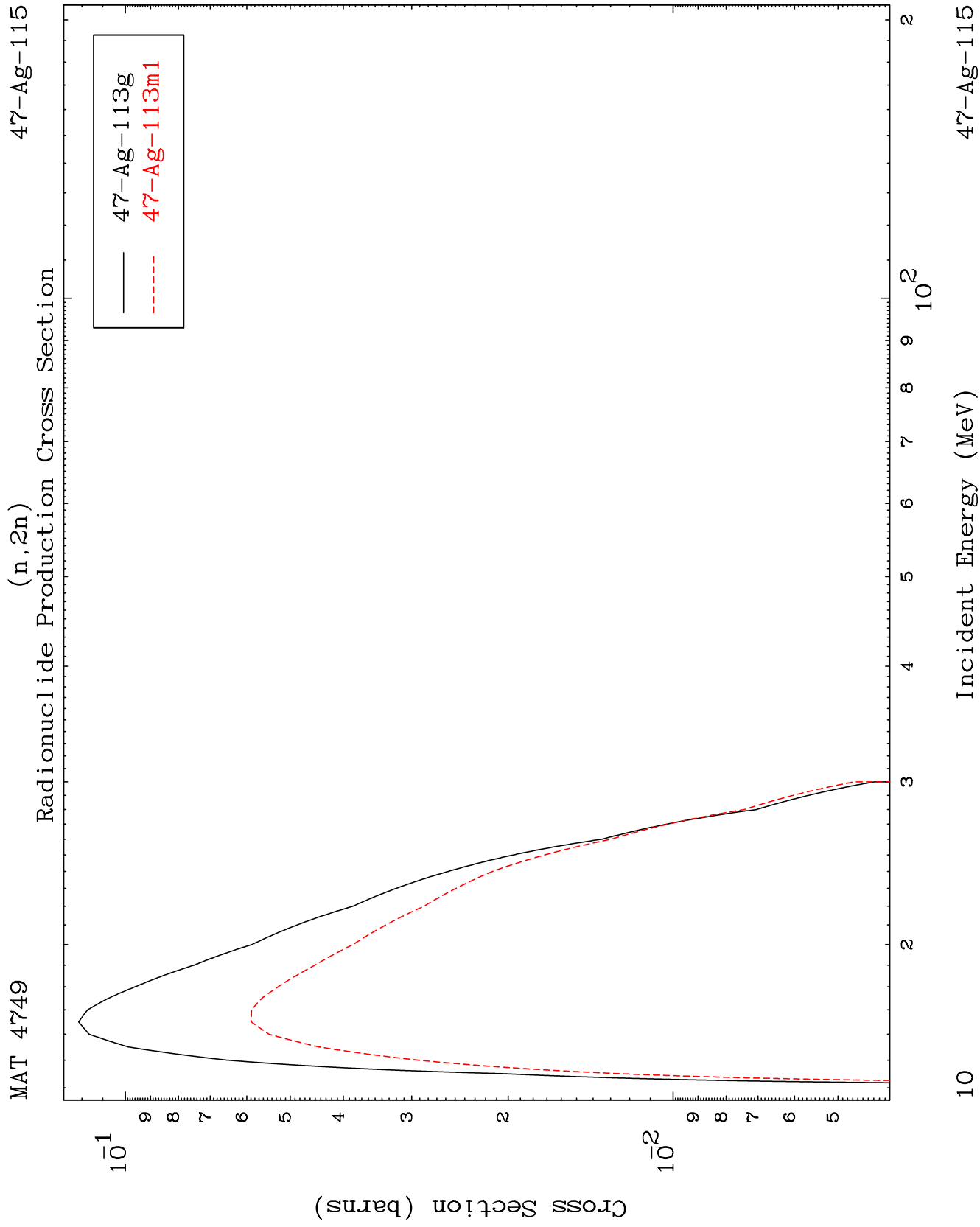
7

Incident Energy (MeV)

47-Ag-115





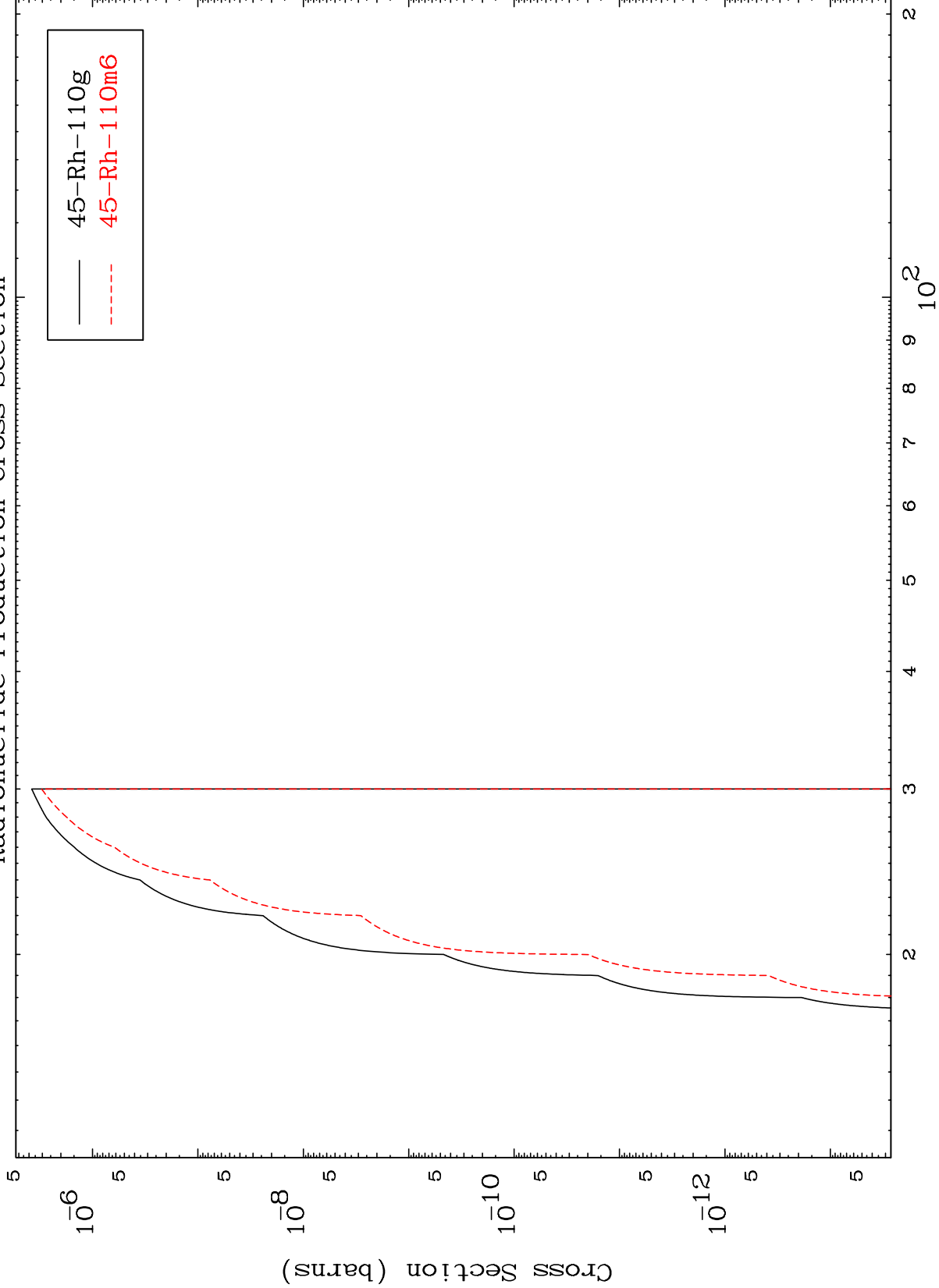


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$(n,n') \alpha$

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Radionuclide Production Cross Section

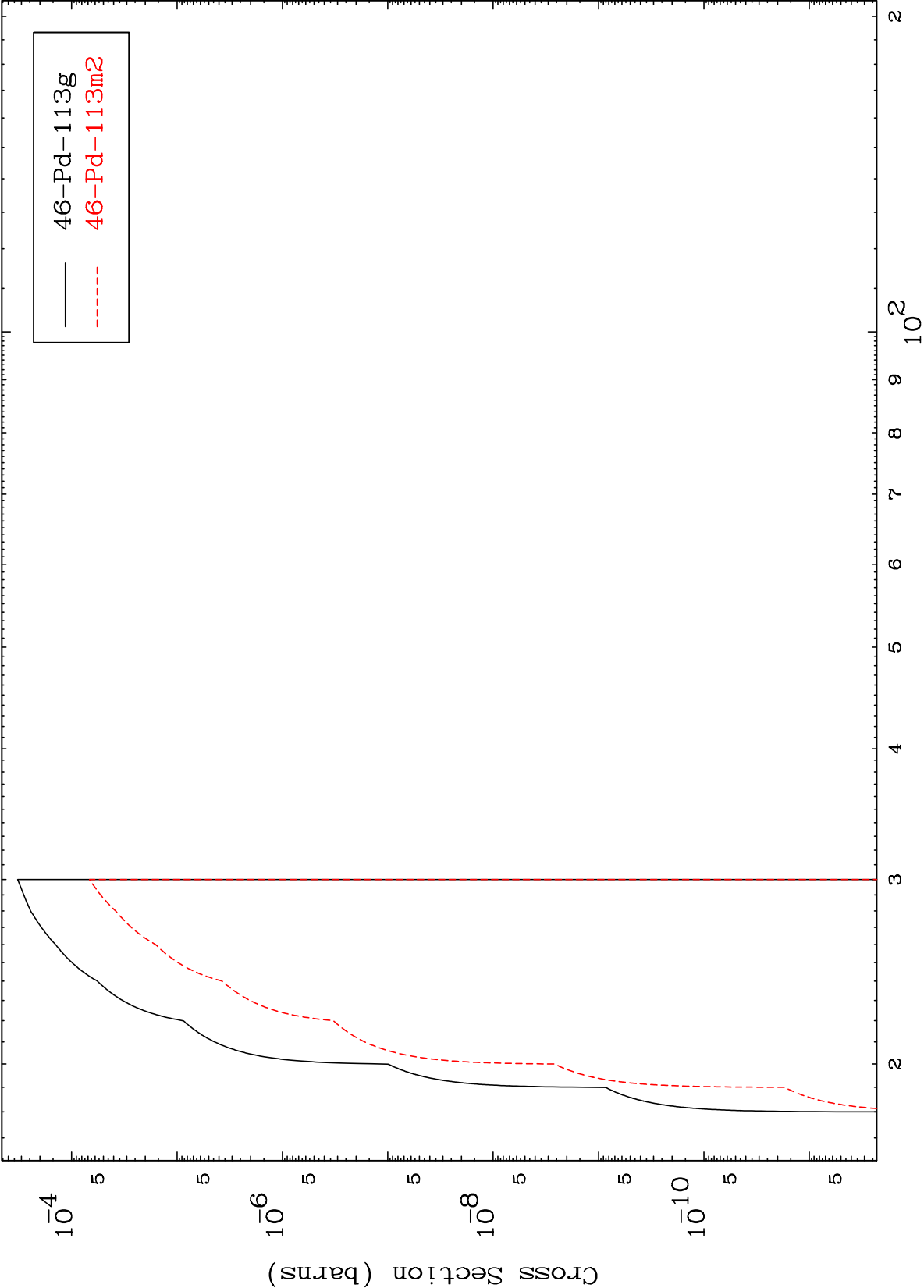


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Incident Energy (MeV)

47-Ag-115

Radionuclide Production Cross Section



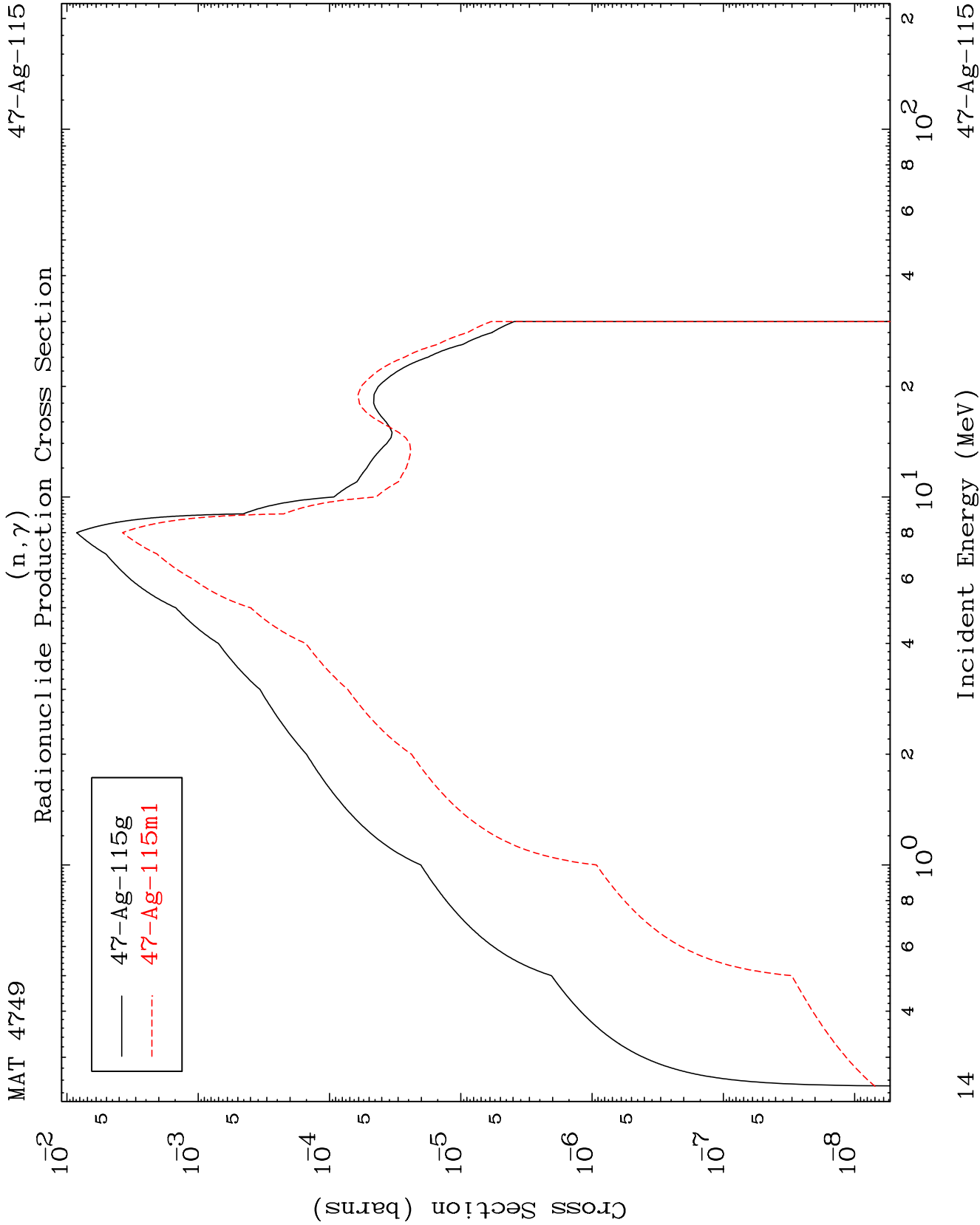
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$$(n, n')t$$

Figure 1 is a plot showing the cross section (in barns) versus energy (in MeV) for the  $^{46}\text{Pd}-111g$  and  $^{46}\text{Pd}-111m2$  states. The x-axis is logarithmic, ranging from  $10^{-2}$  to  $10^2$  MeV. The y-axis is logarithmic, ranging from  $10^{-15}$  to  $10^{-7}$  barns. The  $^{46}\text{Pd}-111g$  state is represented by a solid black line, and the  $^{46}\text{Pd}-111m2$  state is represented by a dashed red line. Both states show a sharp increase in cross section at low energies (below  $10^{-1}$  MeV) and a sharp decrease at high energies (above  $10^1$  MeV). The  $^{46}\text{Pd}-111g$  state has a higher cross section than the  $^{46}\text{Pd}-111m2$  state in the intermediate energy range (around  $10^{-1}$  MeV).

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Incident Energy (MeV)

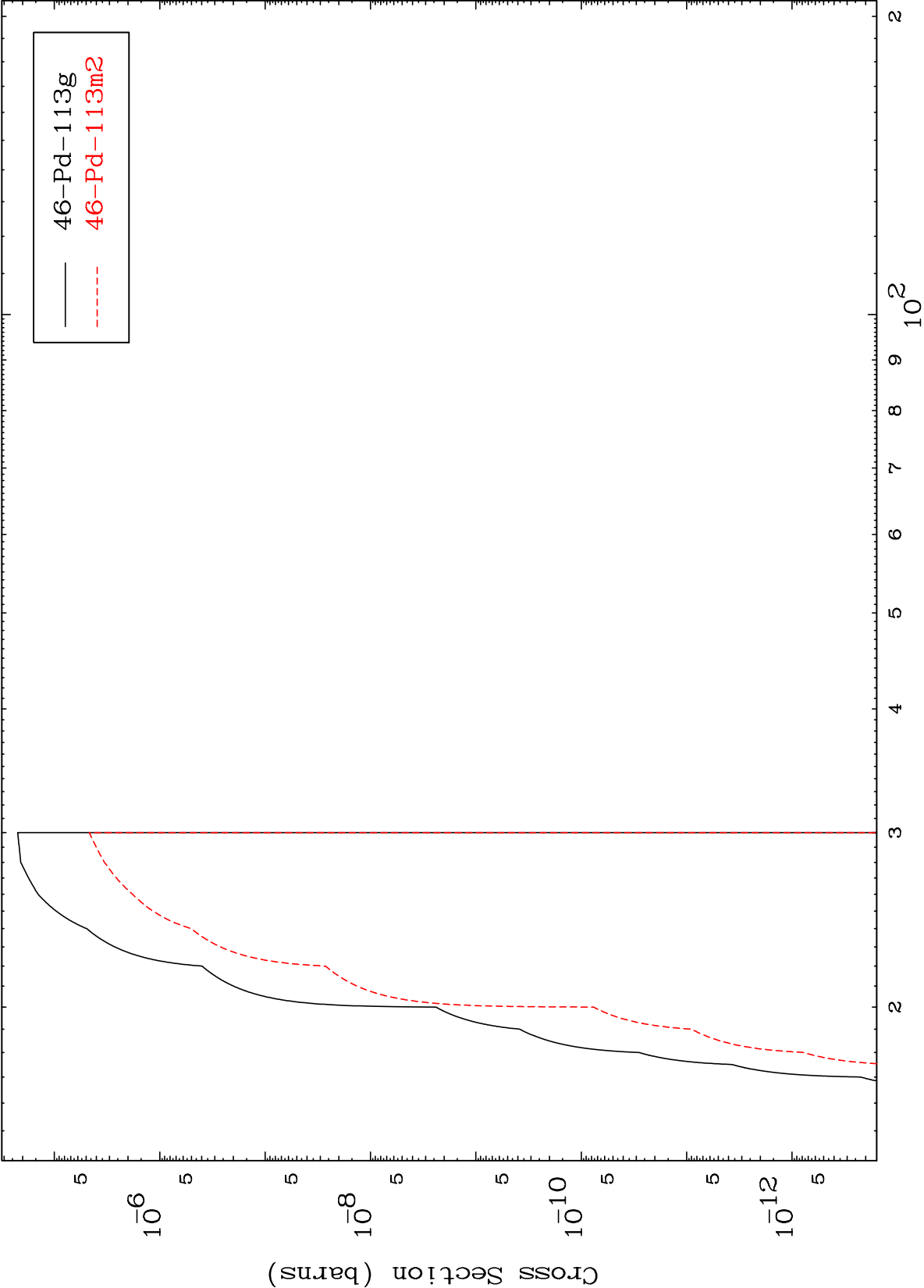


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(n,d)

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Radionuclide Production Cross Section



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Incident Energy (MeV)

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