

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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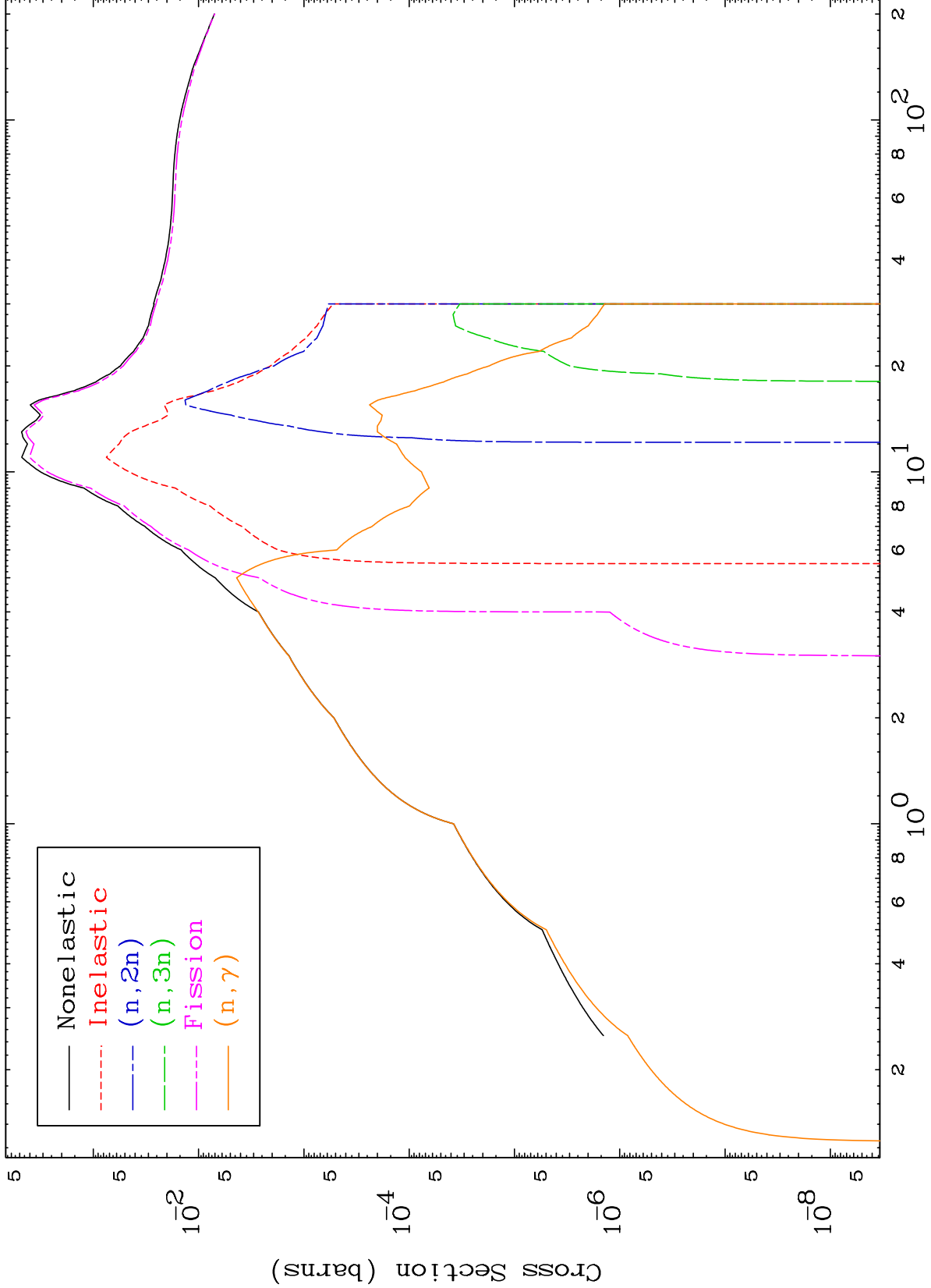
Press Mouse Button to Start

MAT 9547

Photon Major

95-Am-242m

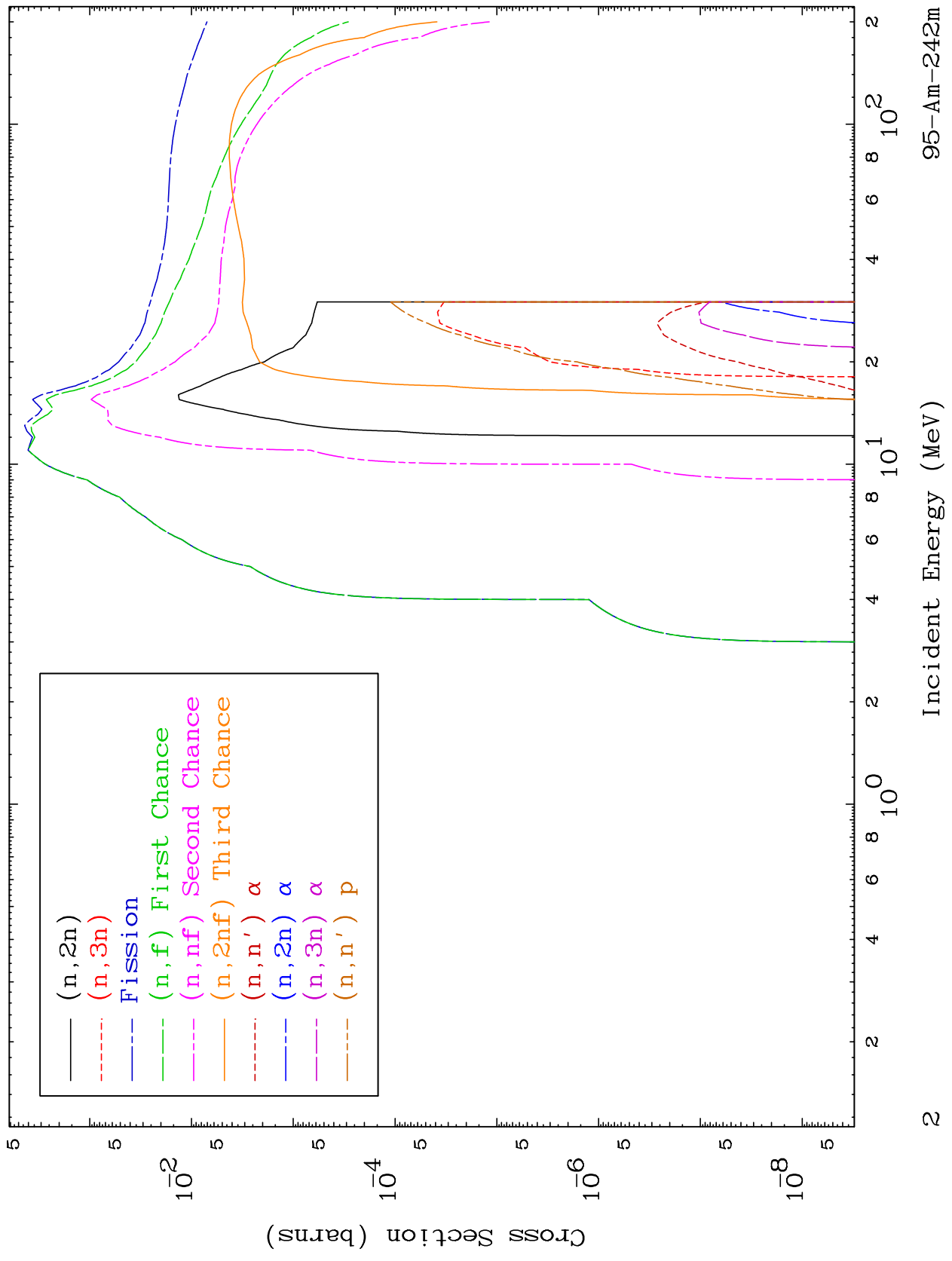
0 Kelvin Cross Sections

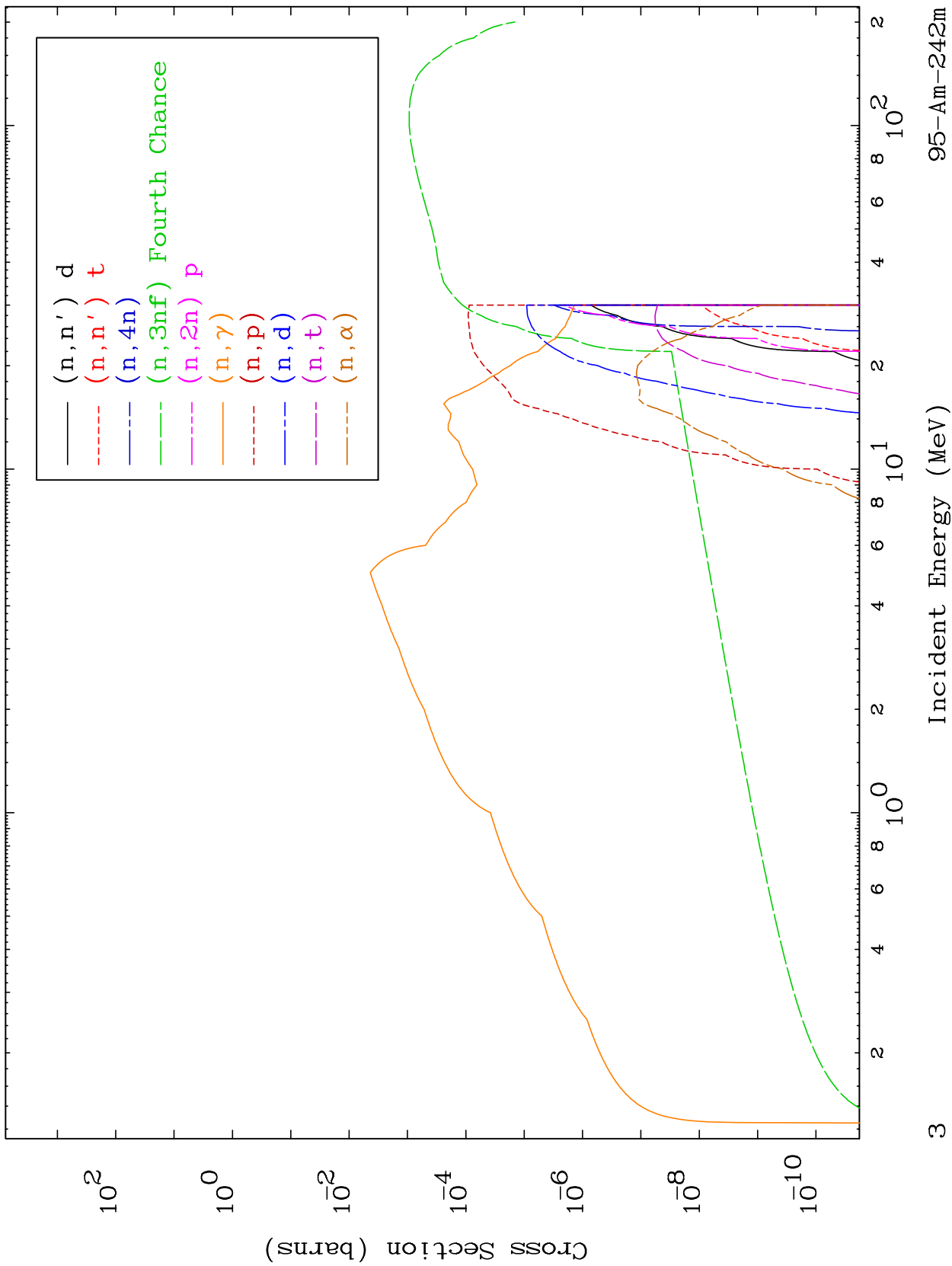


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Photon Neutron Absorption  
0 Kelvin Cross Sections

95-Am-242m

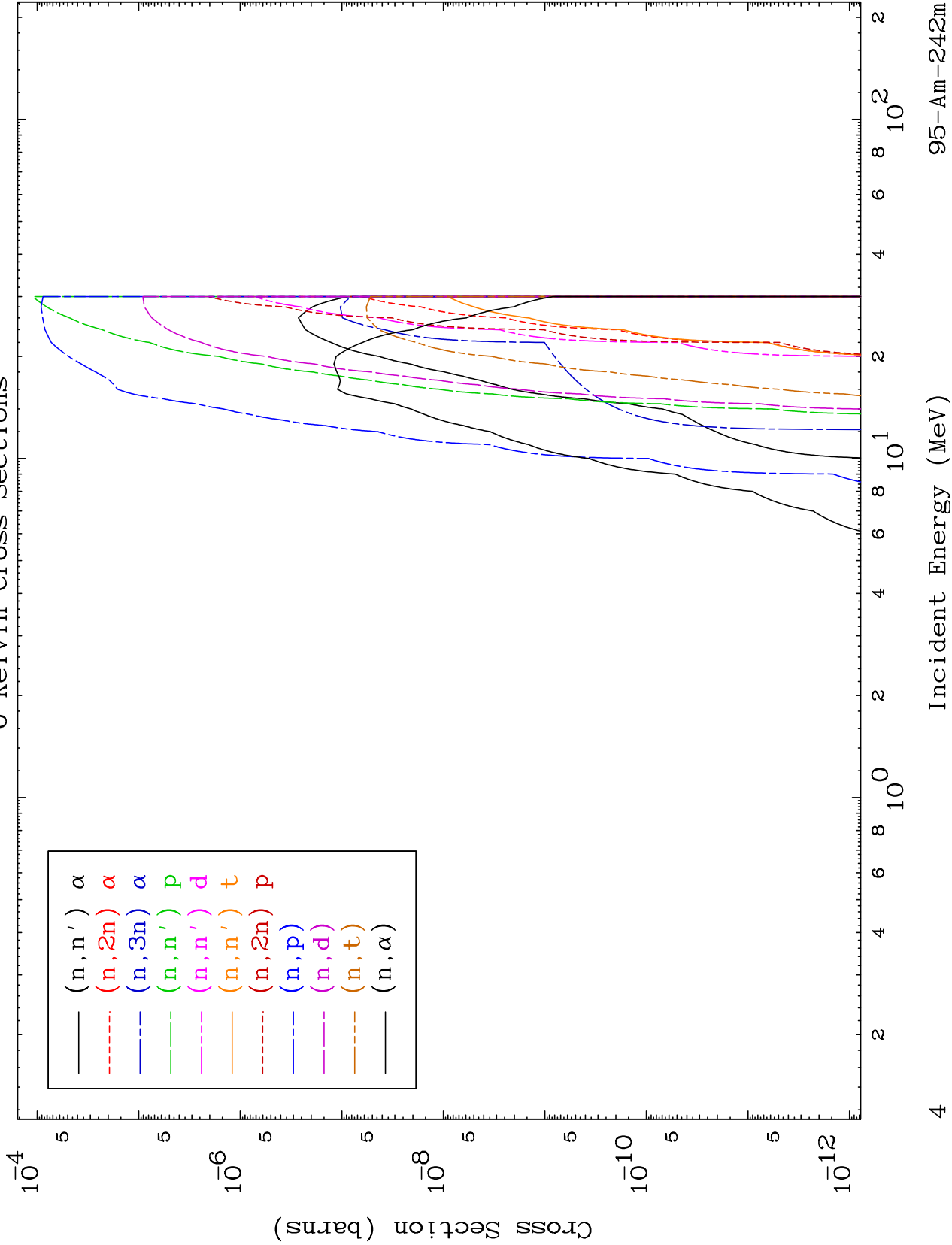




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Photon Charged Particle  
0 Kelvin Cross Sections

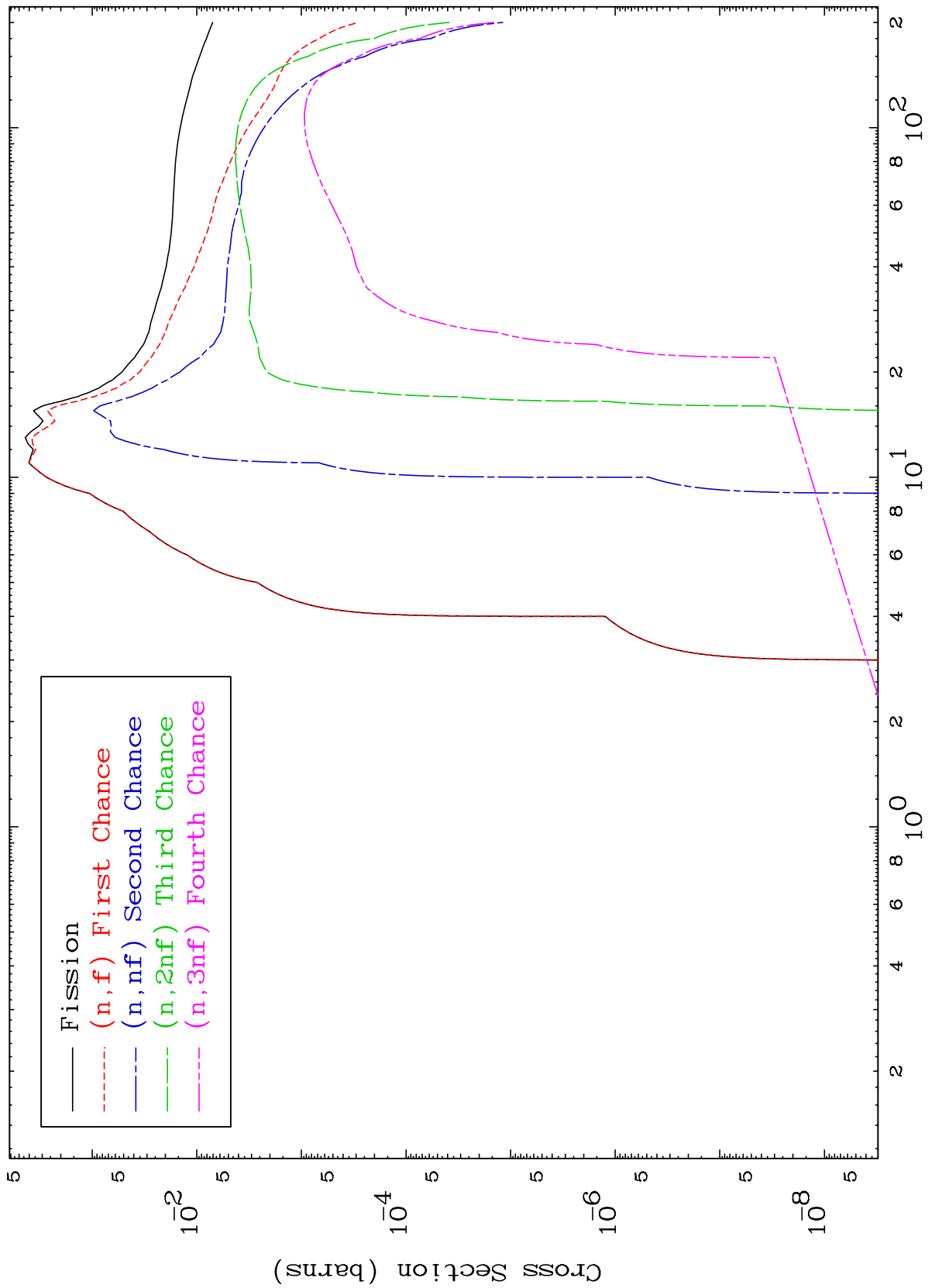
95-Am-242m



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Photon Fission  
0 Kelvin Cross Sections

95-Am-242m



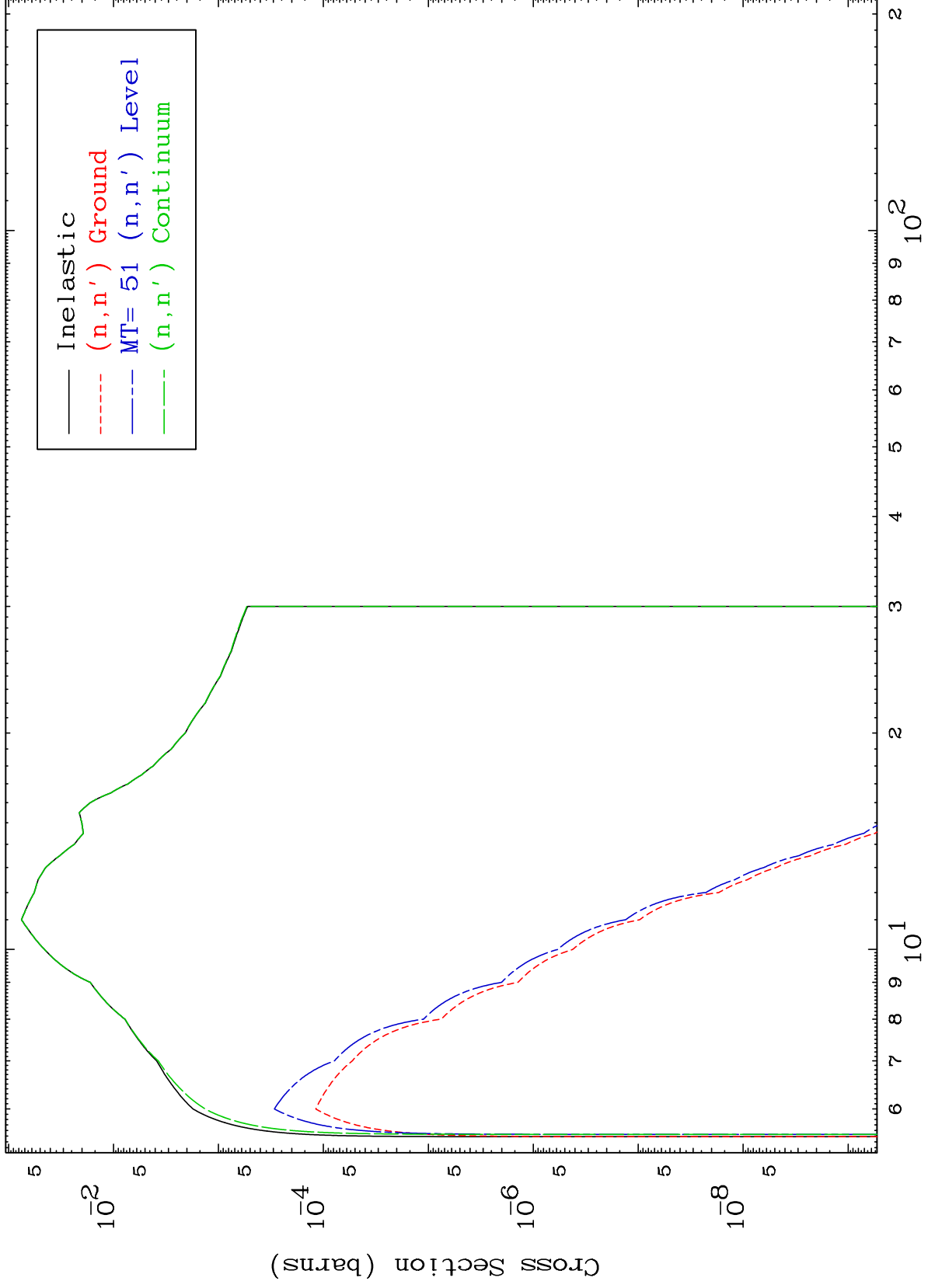
Legend:  
— Fission  
- - - (n, f) First Chance  
- · - (n, nf) Second Chance  
- - - (n, 2nf) Third Chance  
- - - (n, 3nf) Fourth Chance

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( $\gamma, n'$ ) Levels

95-Am-242m

0 Kelvin Cross Sections



6

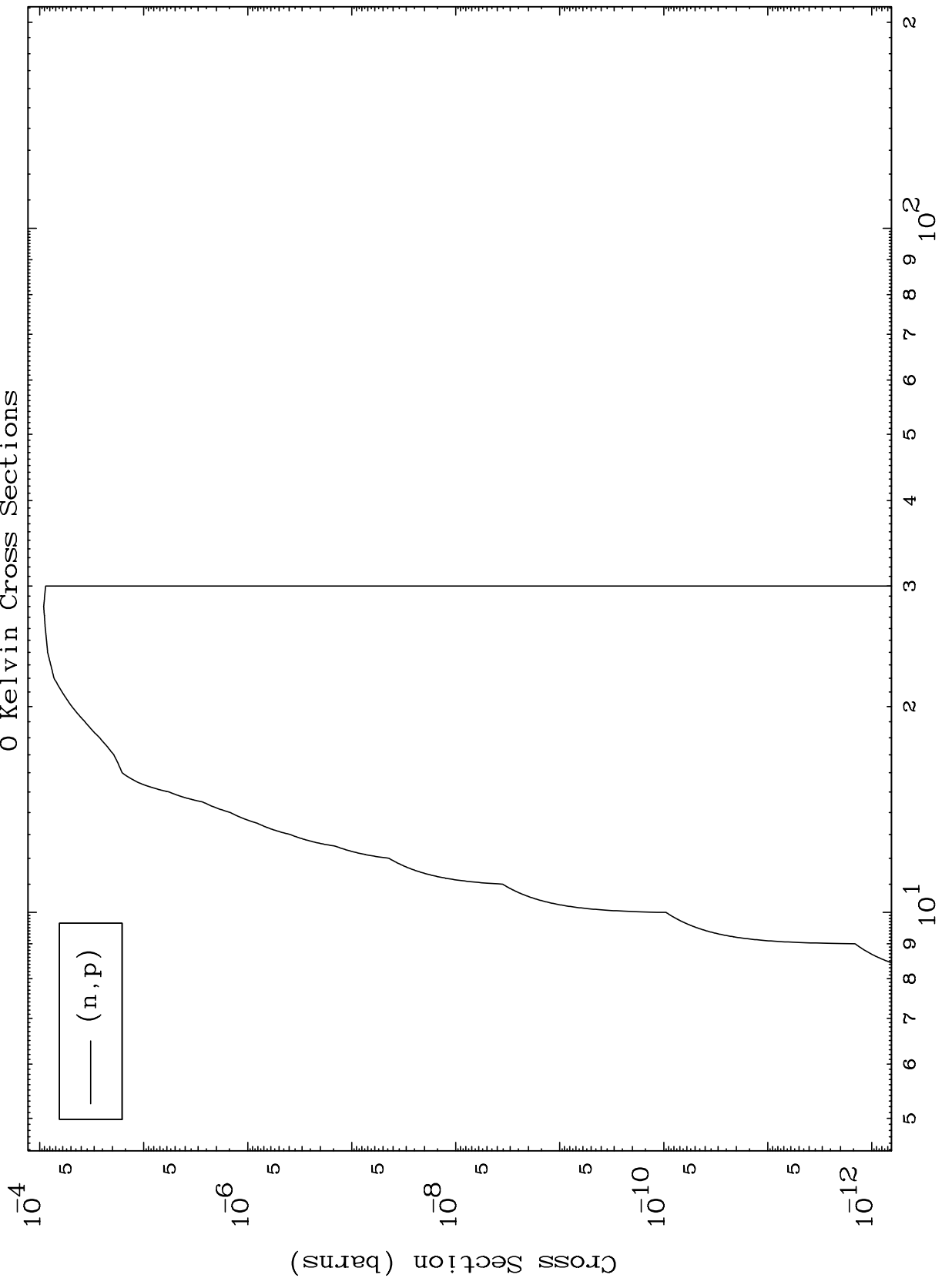
Incident Energy (MeV)

95-Am-242m

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95-Am-242m

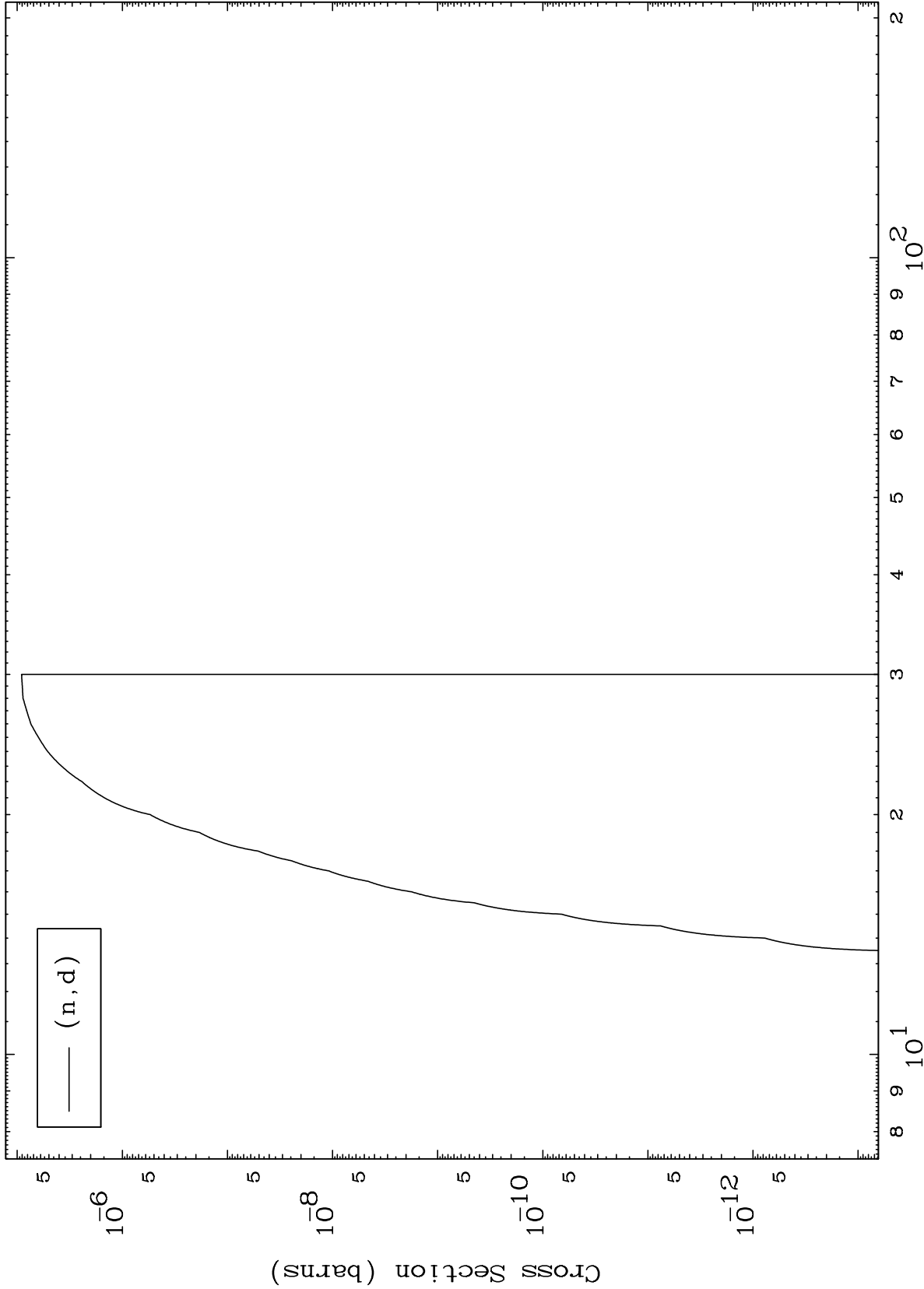
( $\gamma, p$ ) Levels  
0 Kelvin Cross Sections



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

95-Am-242m



8

Incident Energy (MeV)

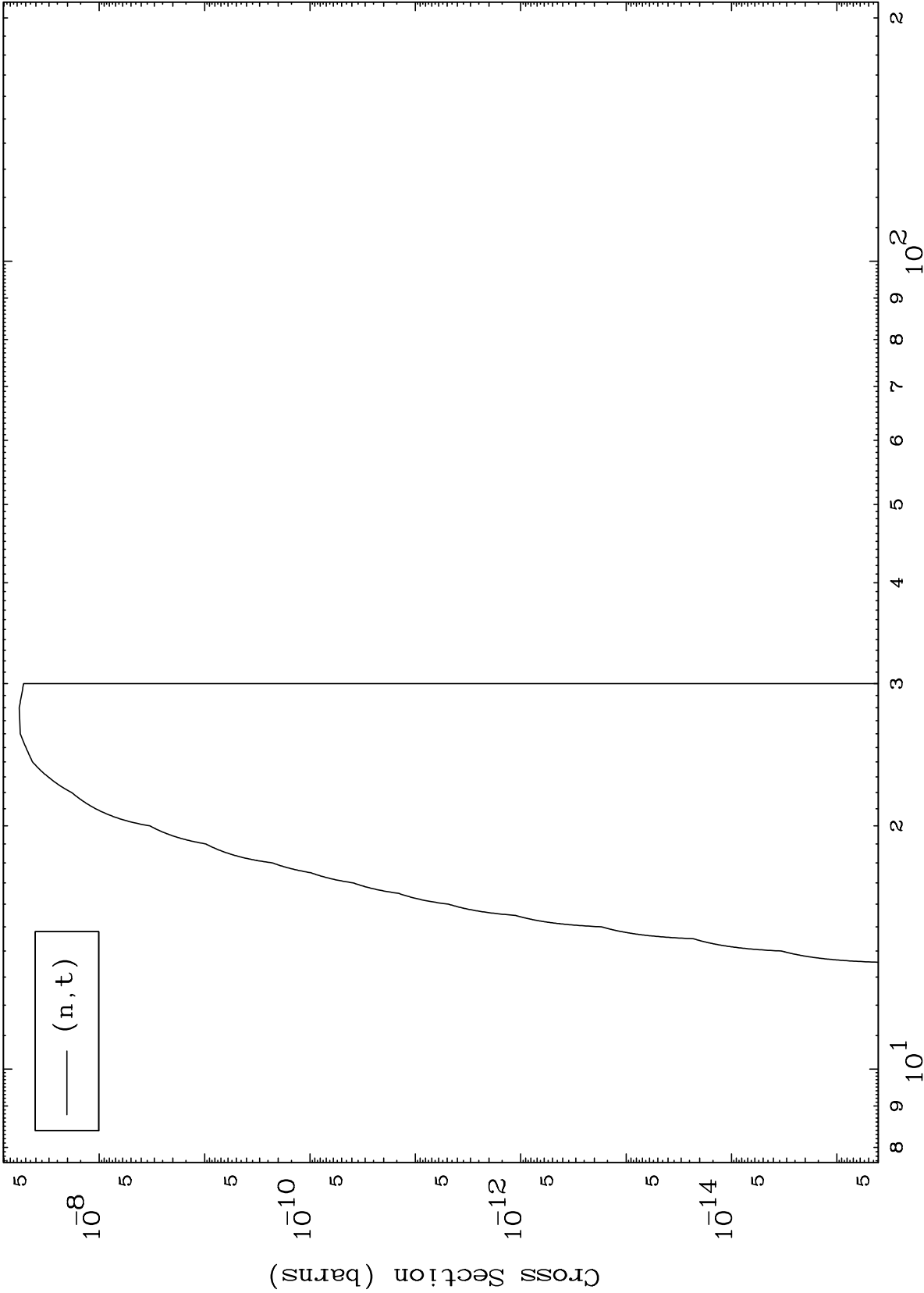
95-Am-242m

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( $\gamma, t$ ) Levels

95-Am-242m

0 Kelvin Cross Sections



9

Incident Energy (MeV)

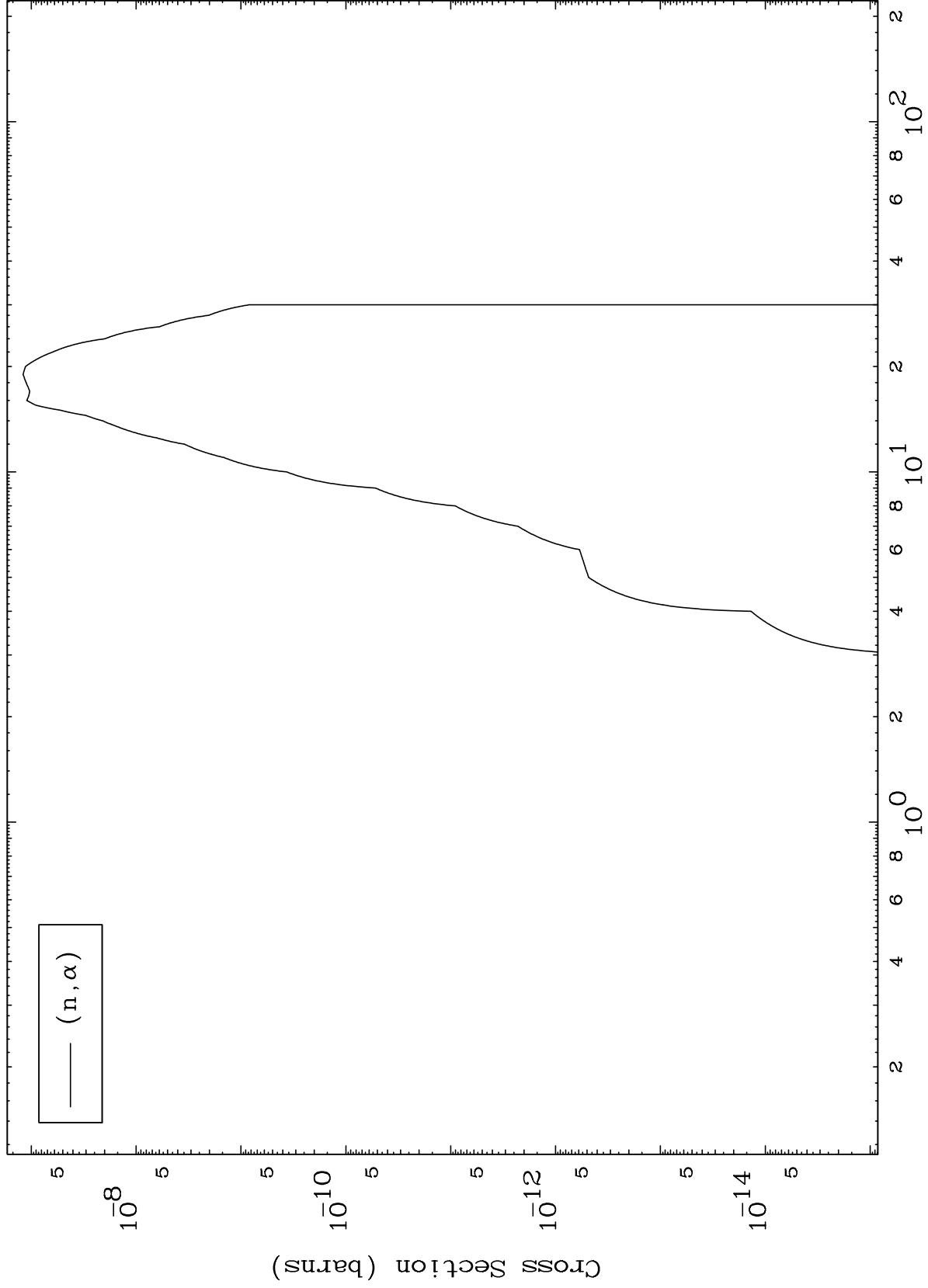
95-Am-242m

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( $\gamma, \alpha$ ) Levels

95-Am-242m

0 Kelvin Cross Sections



10

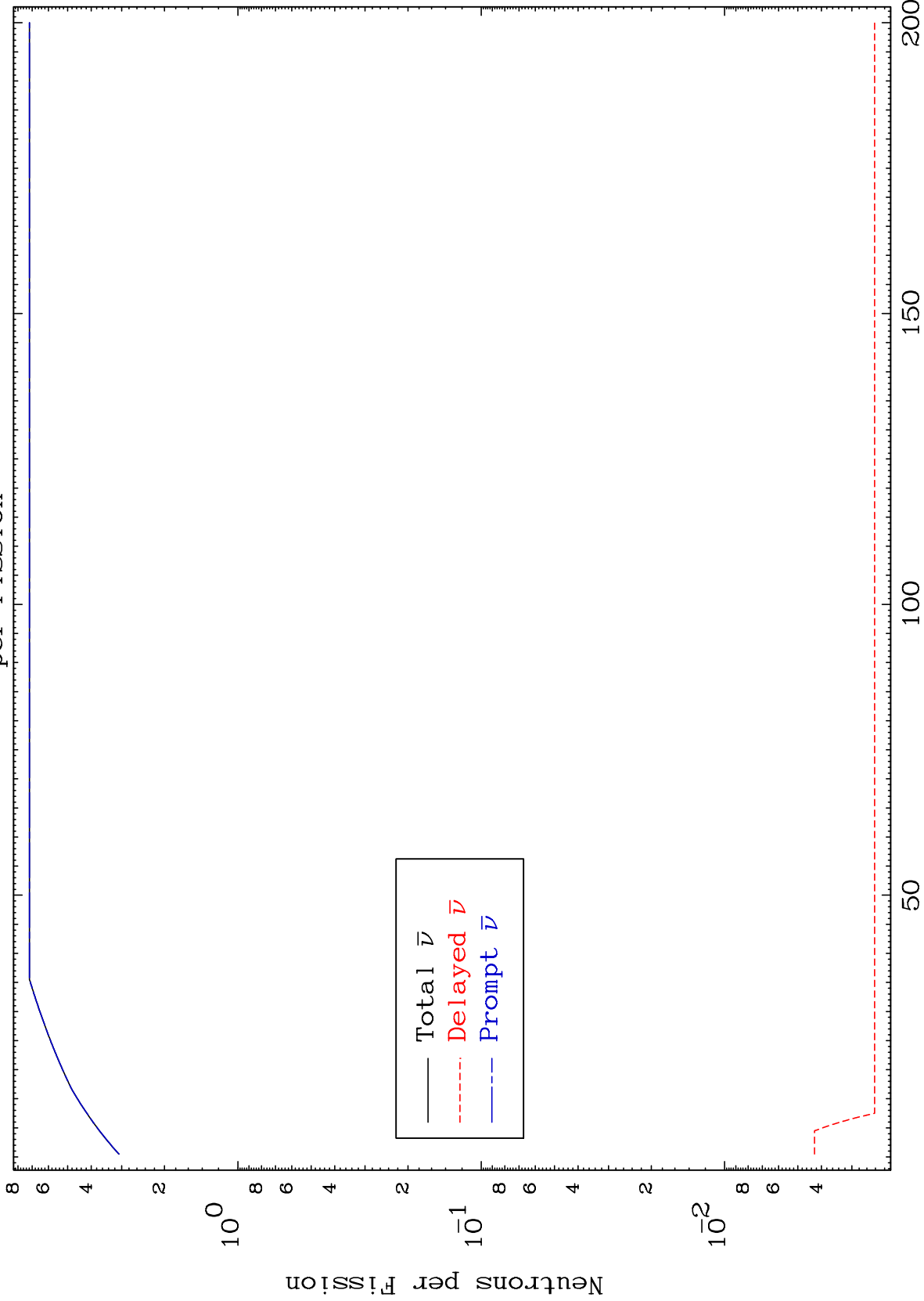
Incident Energy (MeV)

95-Am-242m

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Photon Neutrons  
per Fission

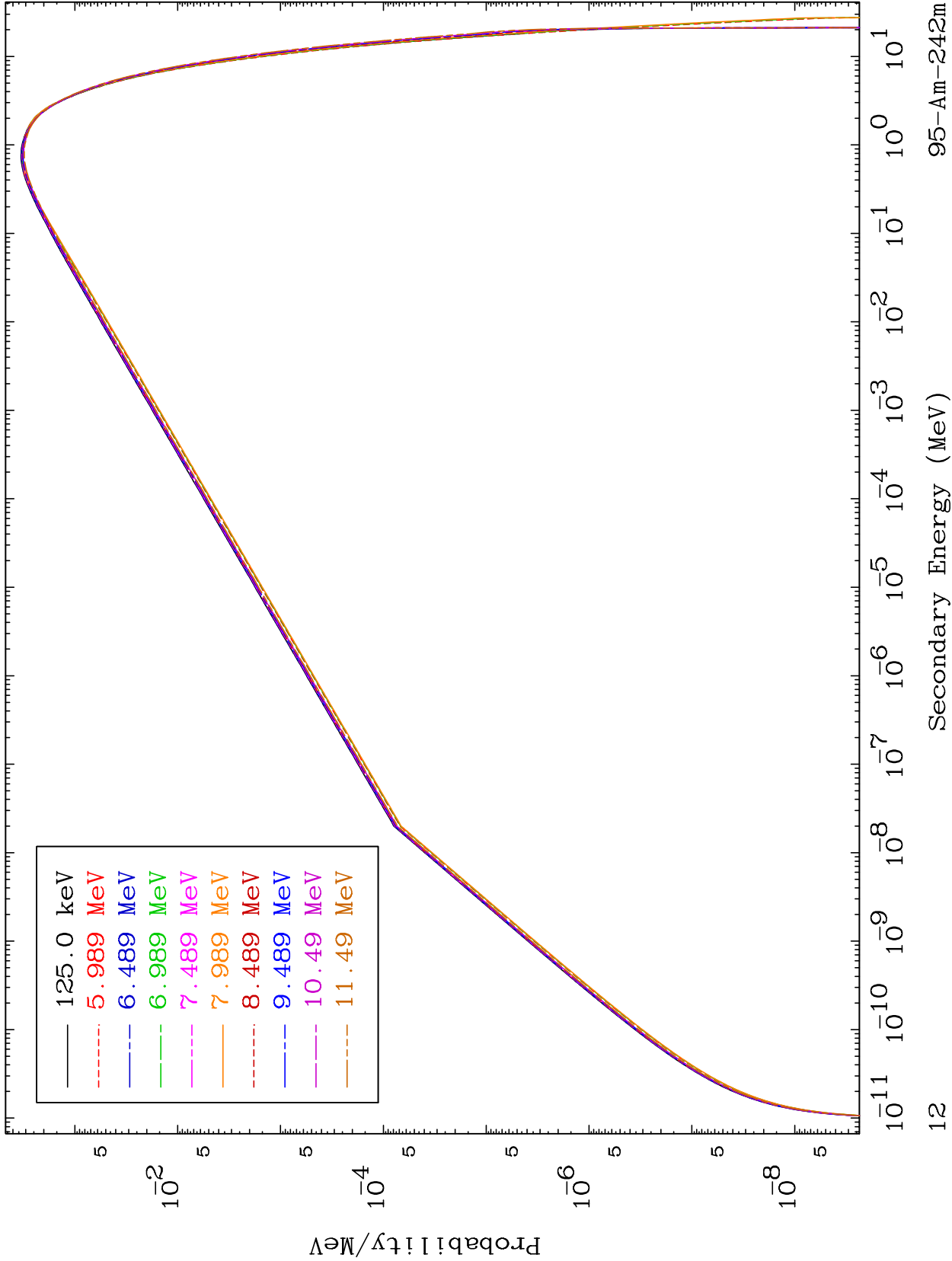
95-Am-242m



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### Fission Energy Distributions

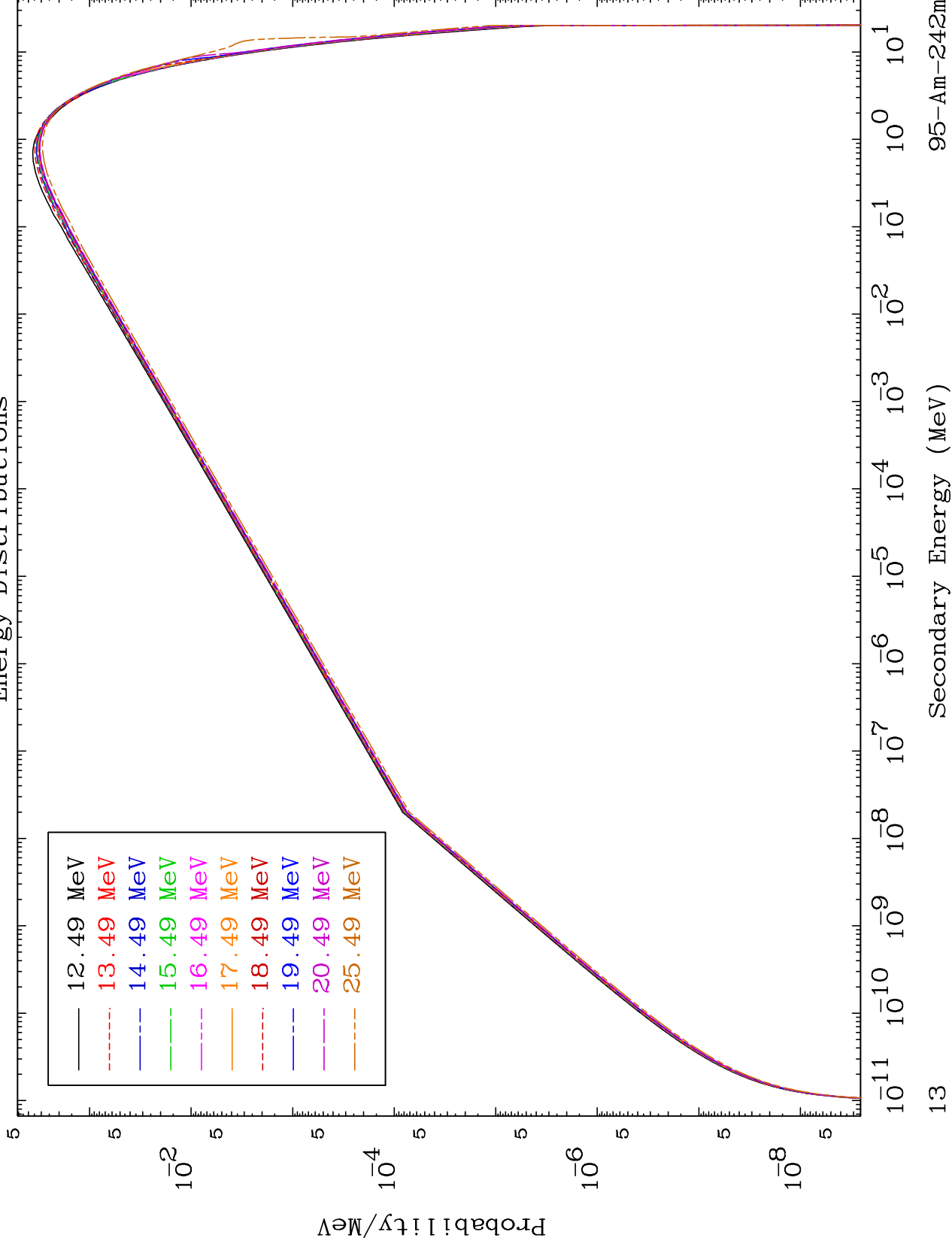
95-Am-242m



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### Fission Energy Distributions

95-Am-242m

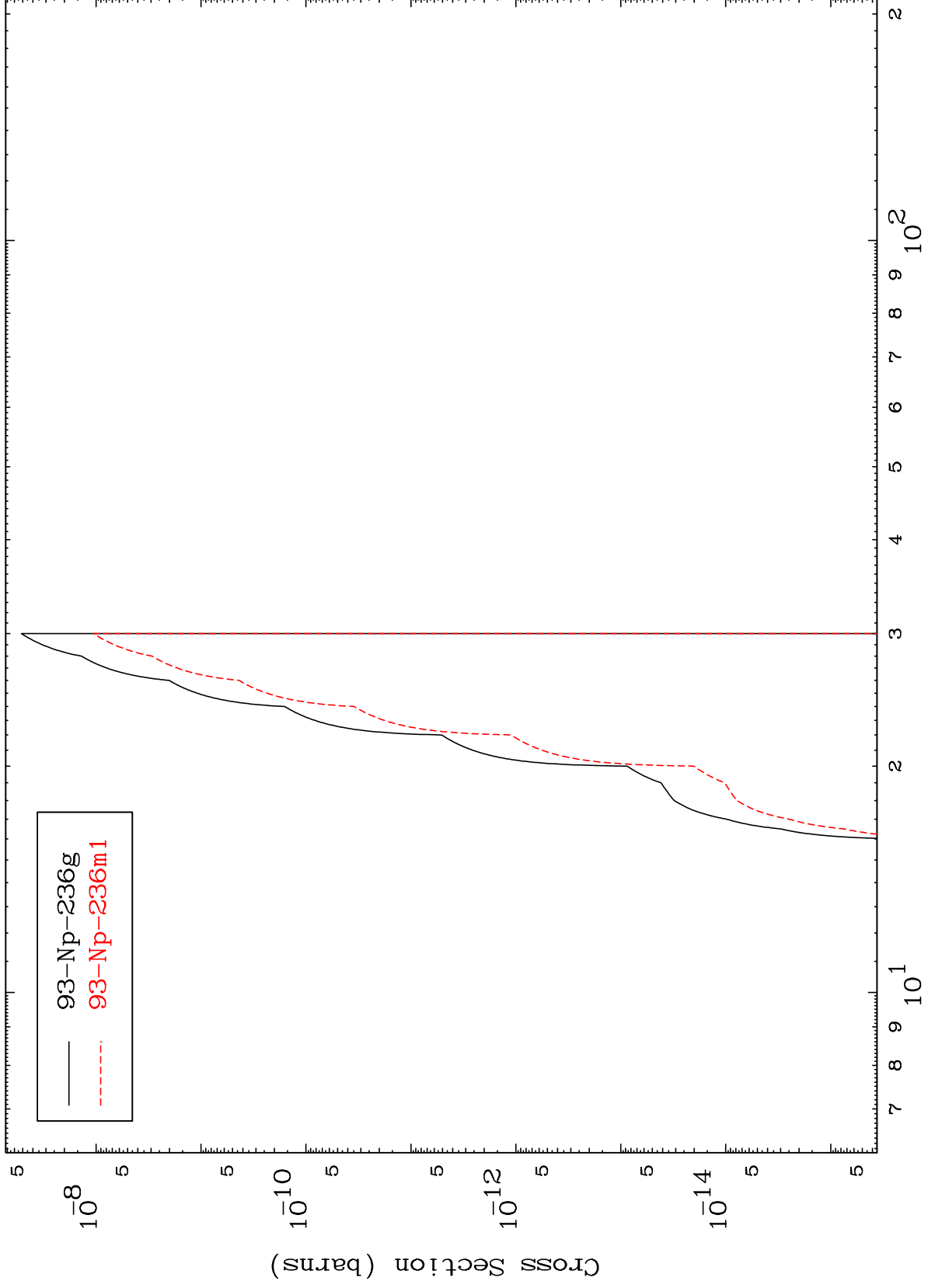


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(n,2n)  $\alpha$

95-Am-242m

Radionuclide Production Cross Section



14

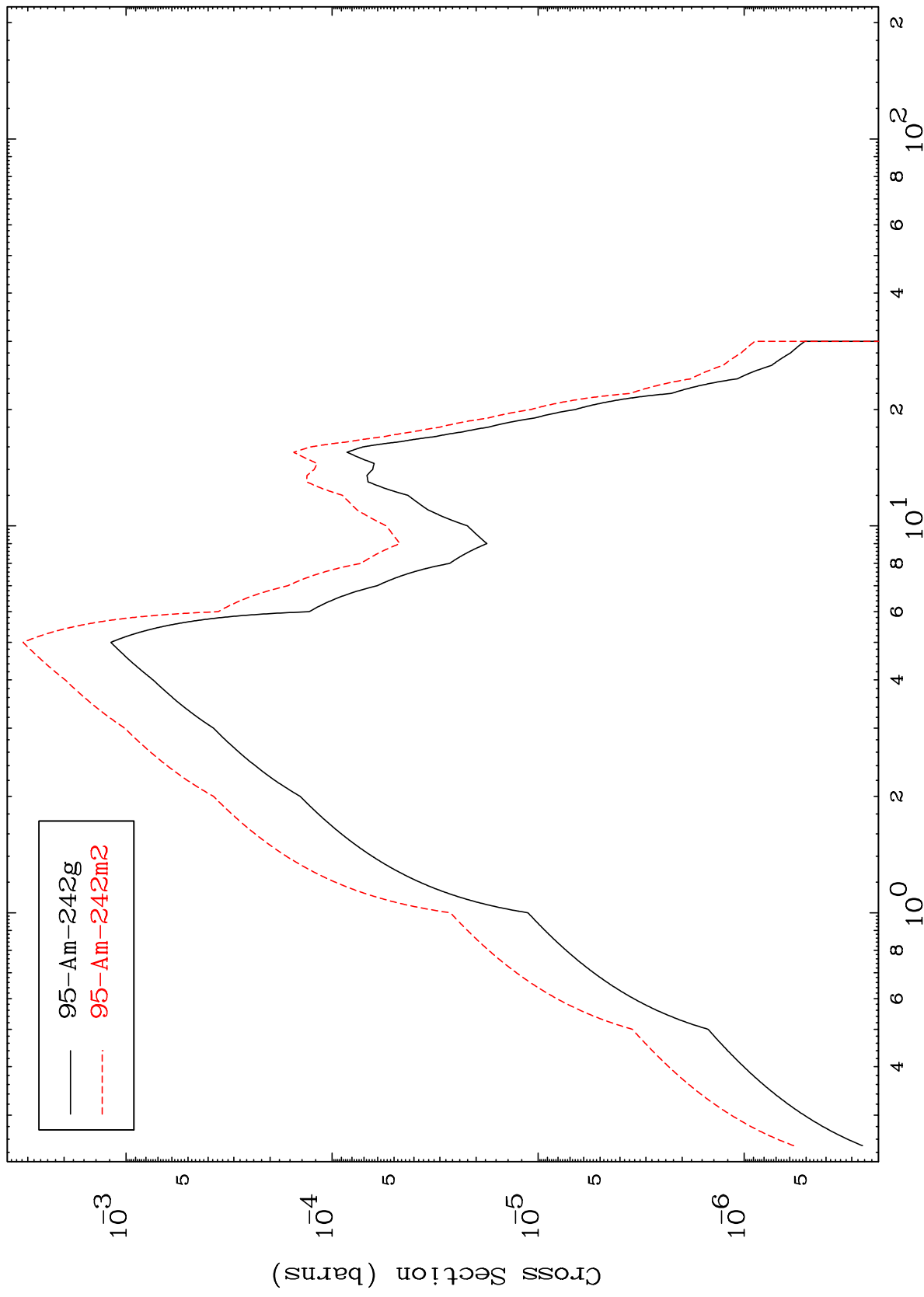
Incident Energy (MeV)

95-Am-242m

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95-Am-242m

Radionuclide Production Cross Section



— 95-Am-242g  
- - - 95-Am-242m

95-Am-242m

Incident Energy (MeV)

15