

Program EVALPLOT
(Version 2021-1)

by

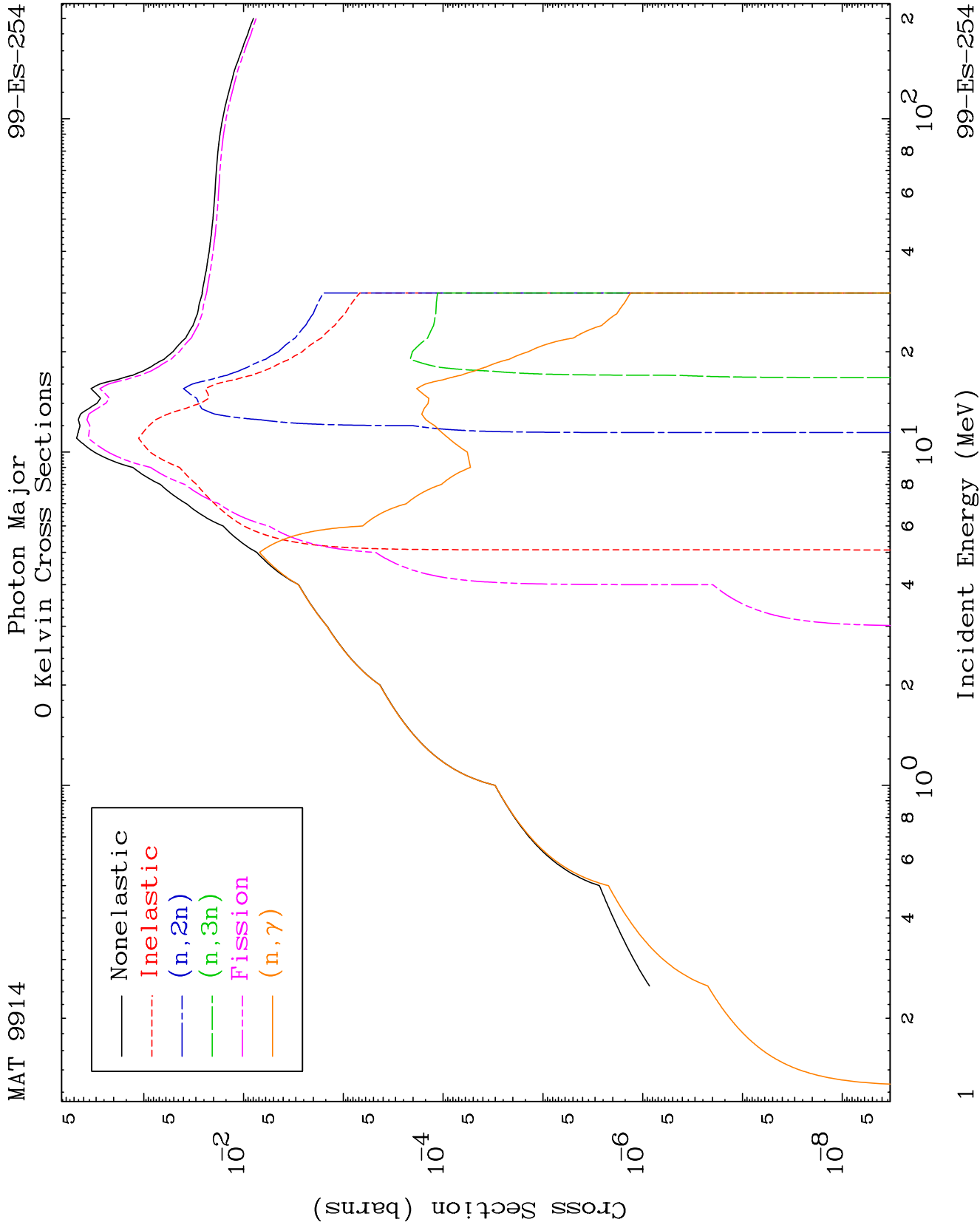
Dermott E. Cullen
(Present Contact Information)

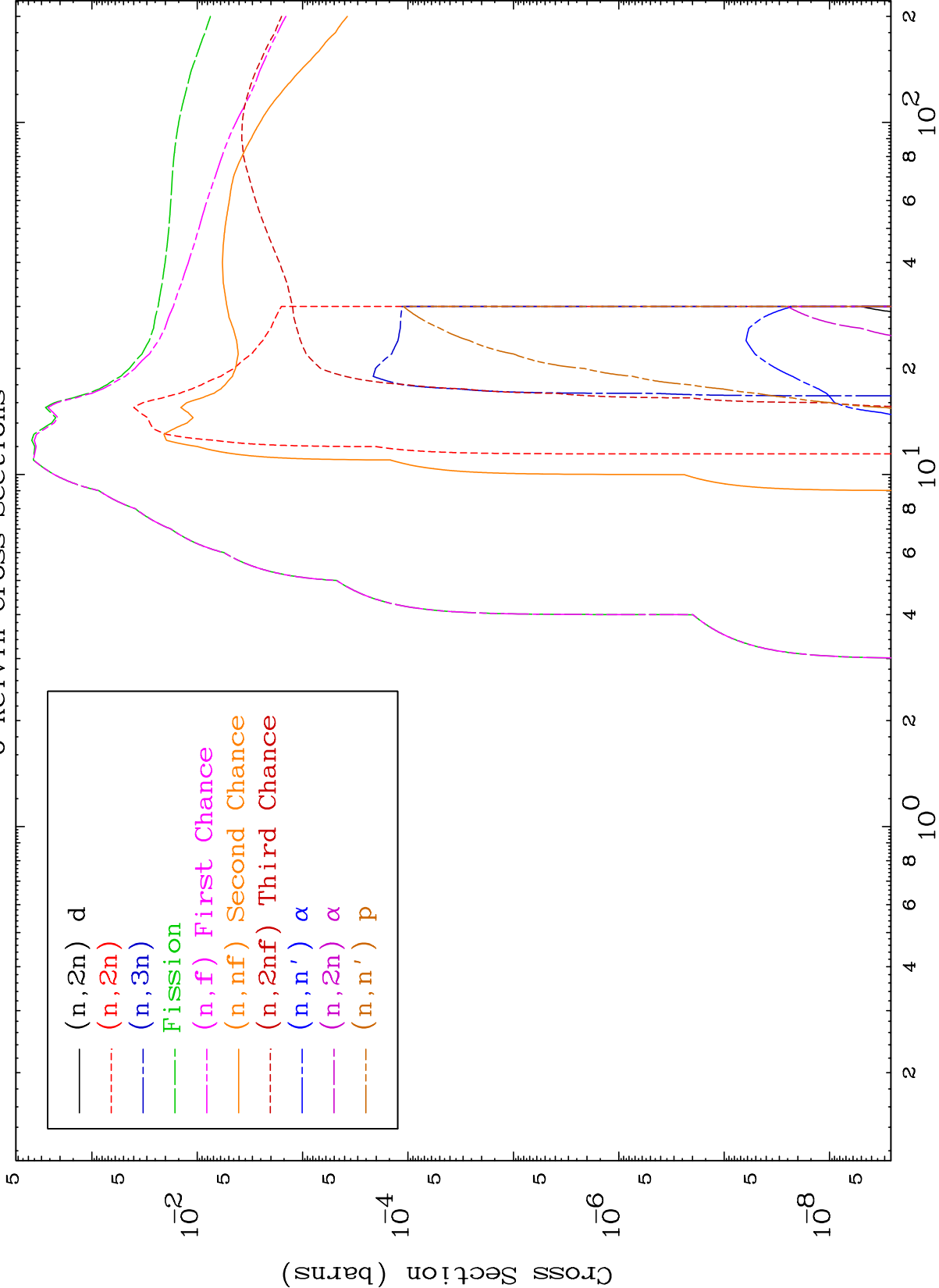
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Press Mouse Button to Start

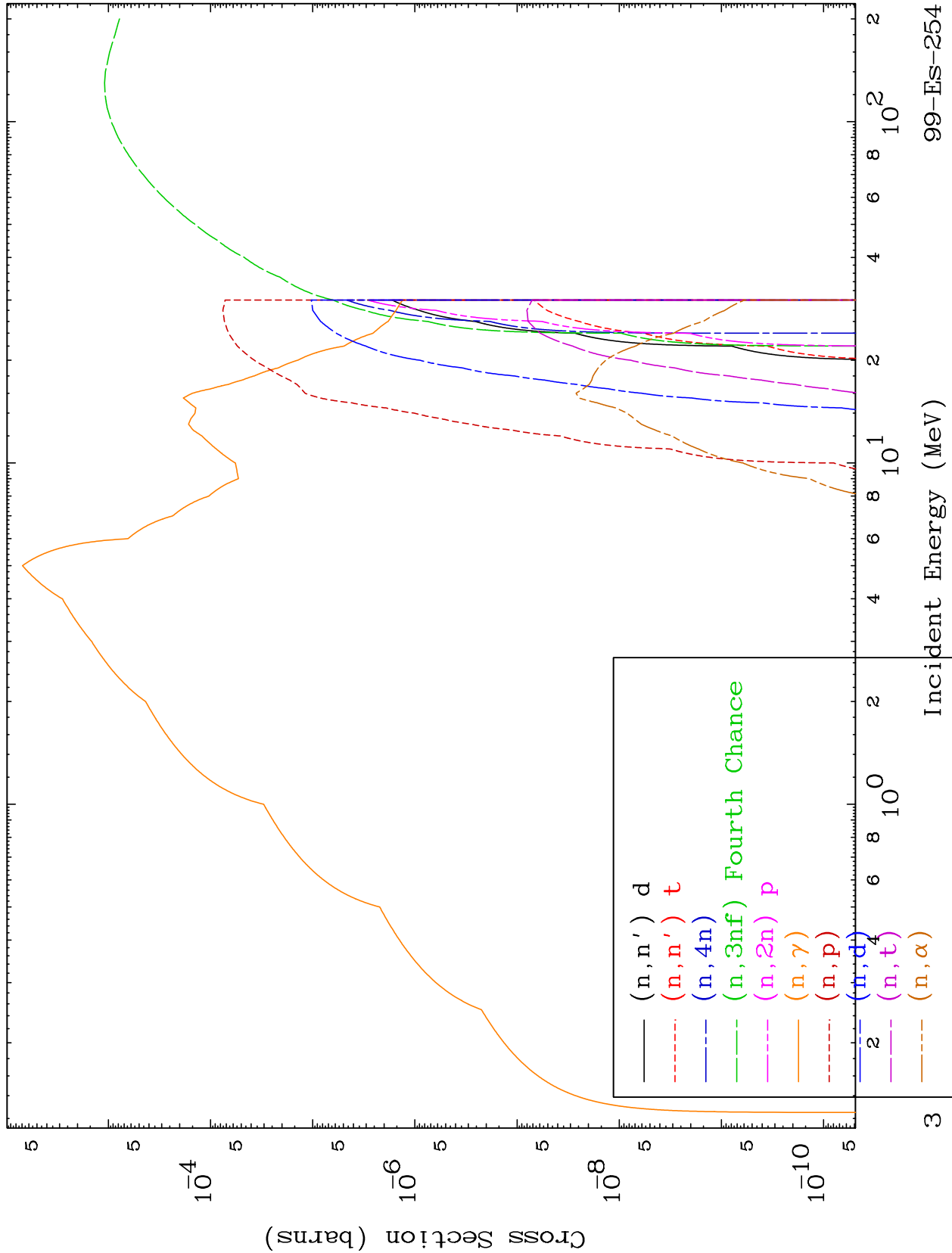


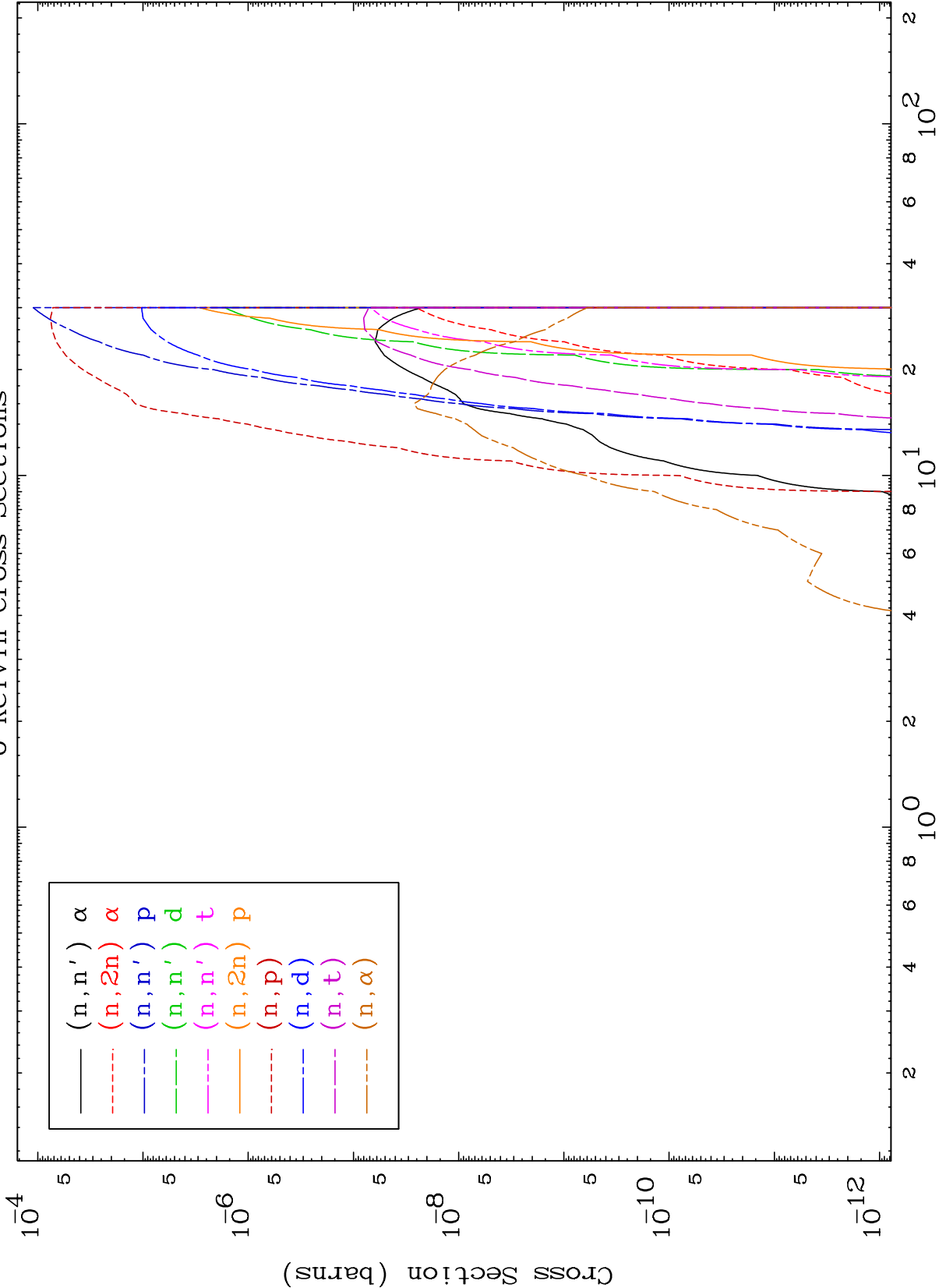


MAT 9914

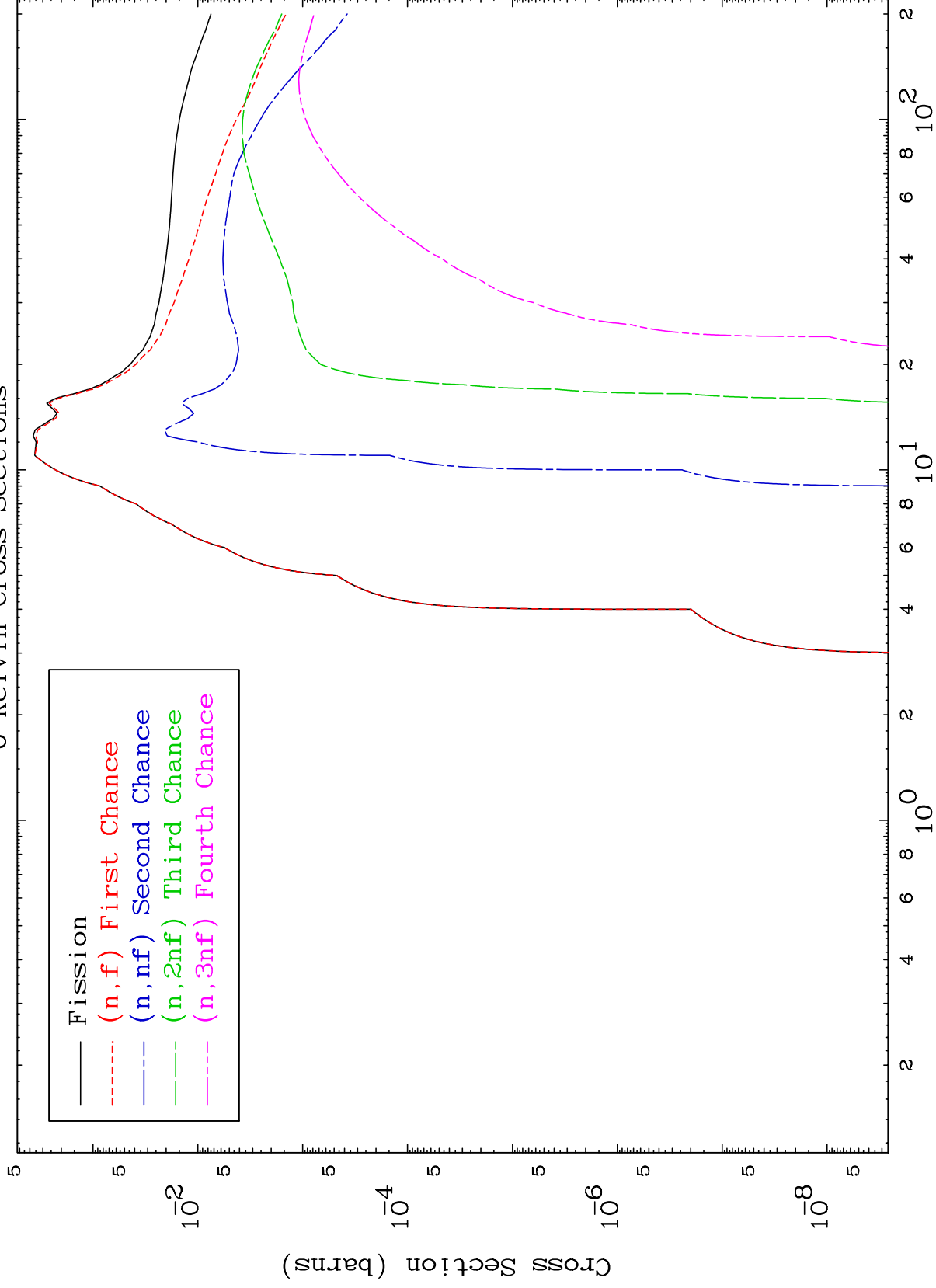
Photon Neutron Absorption
0 Kelvin Cross Sections

99-Es-254

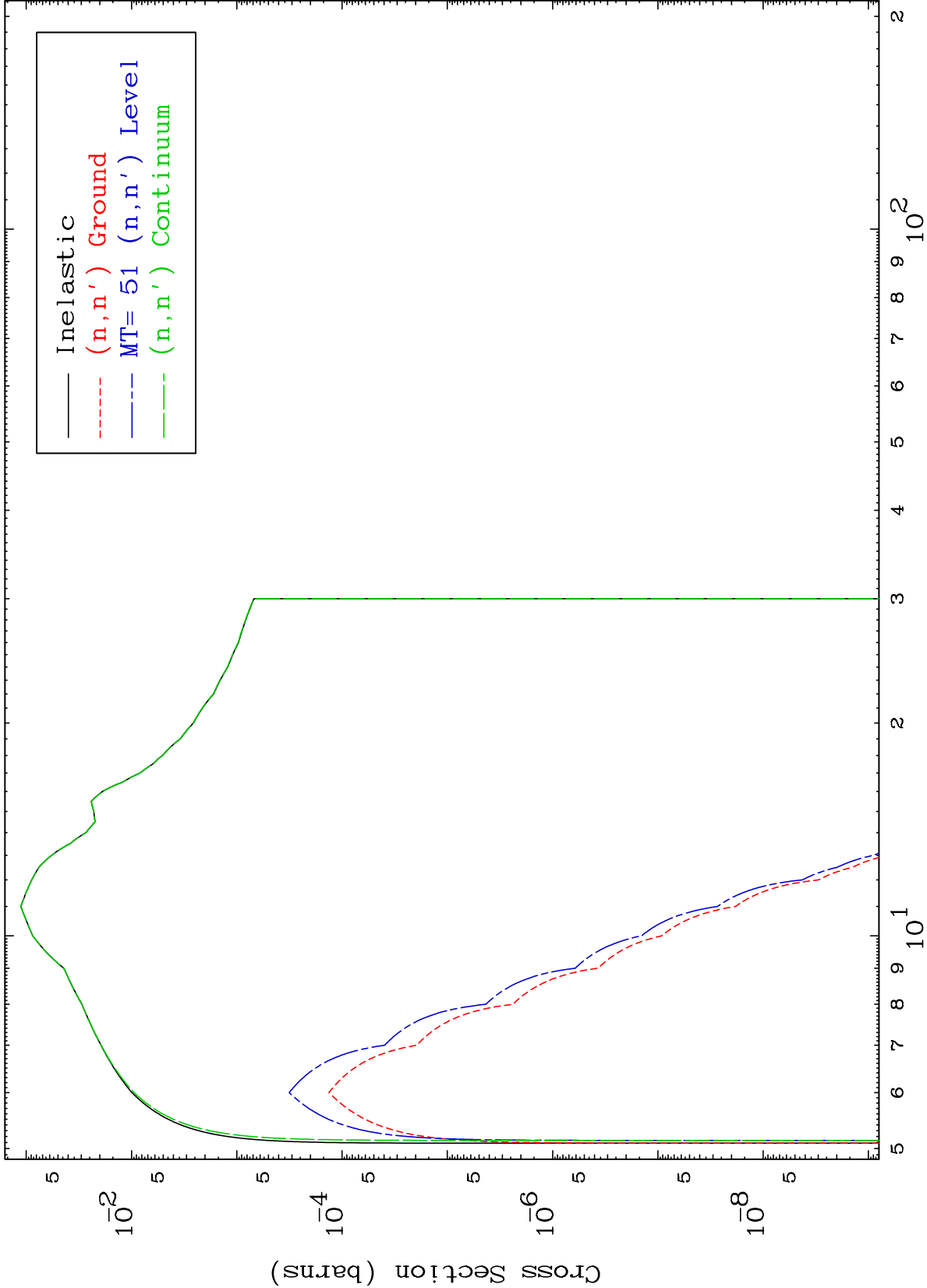




0 Kelvin Cross Sections



Incident Energy (MeV)



MAT 9914

 (γ, p) Levels

99-ES-254

 10^{-4}
$$10^{-6}$$
$$\frac{8}{10}$$
 10^{-10} 10^{-12}

Cross Section (barns)

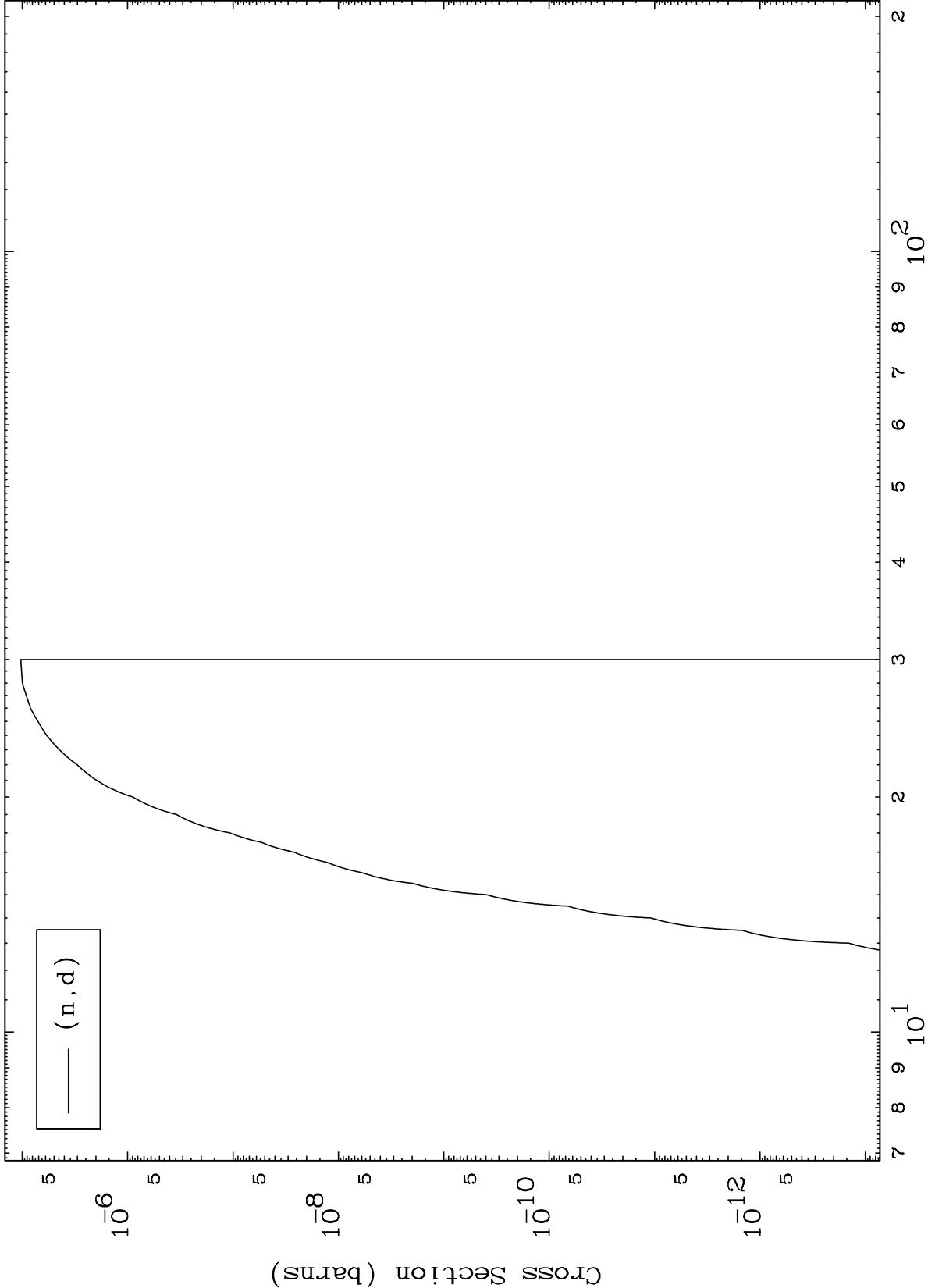
0 Kelvin Cross Sections

$$(n, p)$$
 10^2 $\sim$

Incident Energy (MeV)

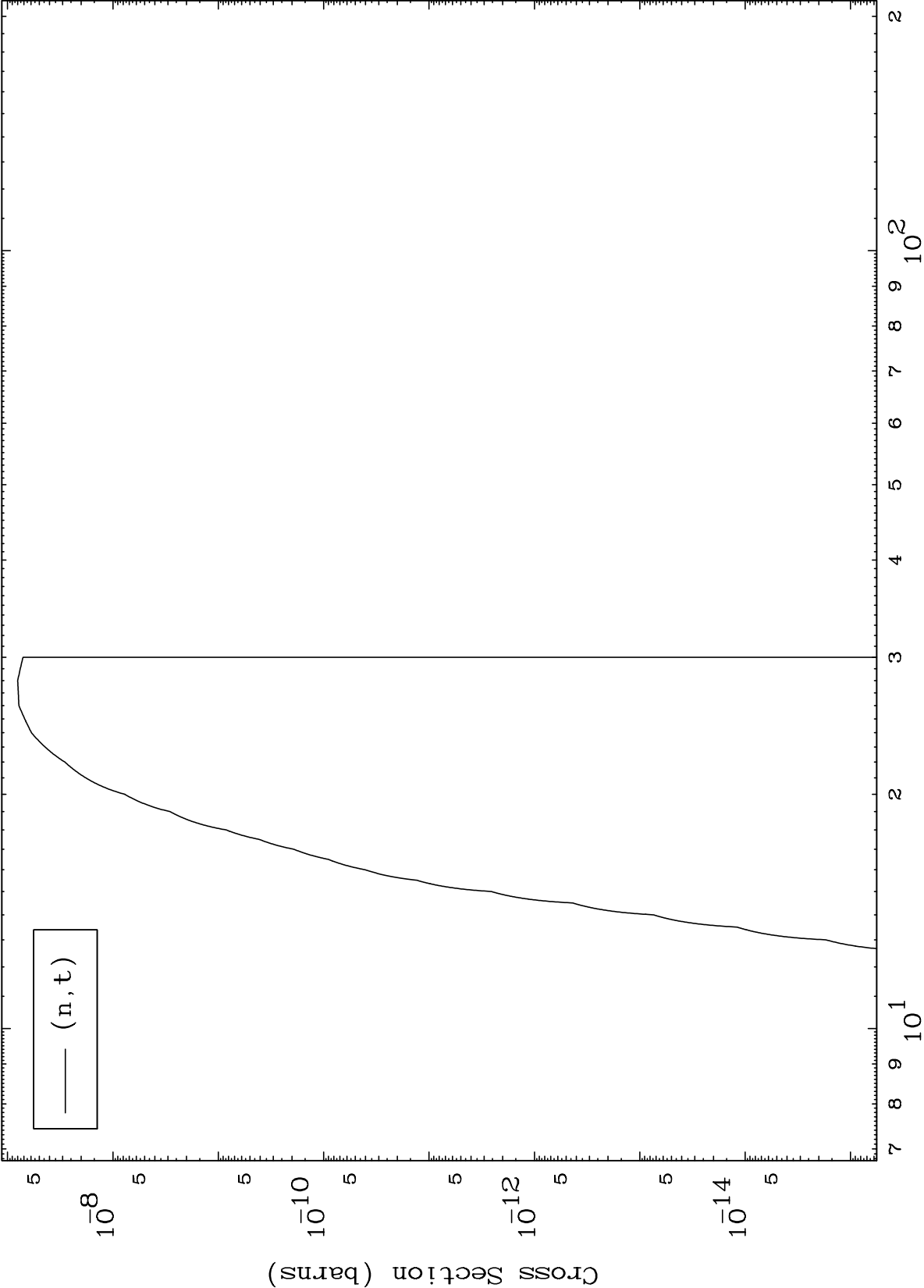
99-ES-254

(γ ,d) Levels
0 Kelvin Cross Sections



Incident Energy (MeV)

(γ, t) Levels
0 Kelvin Cross Sections

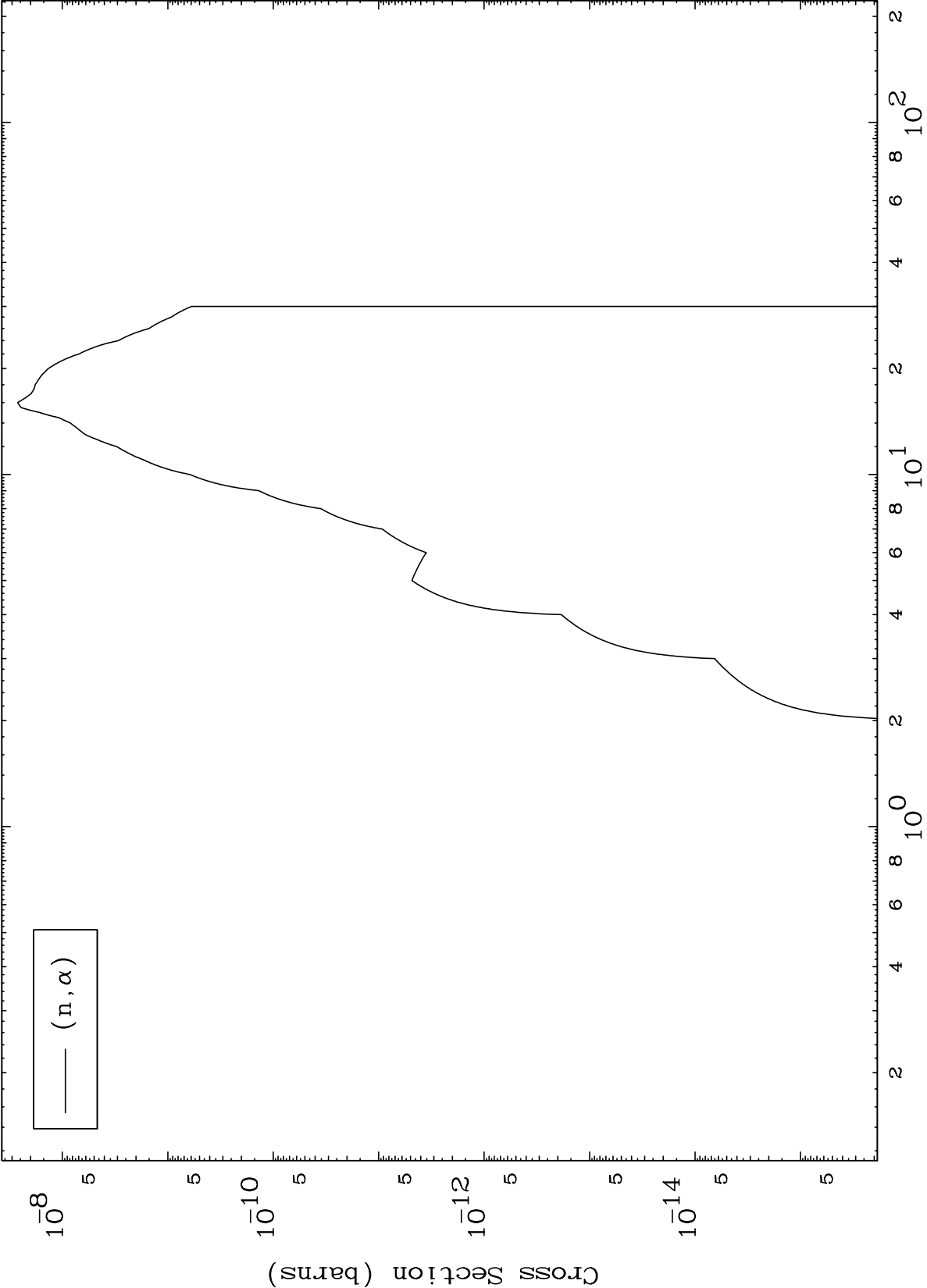


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(γ, α) Levels

99-Es-254

0 Kelvin Cross Sections

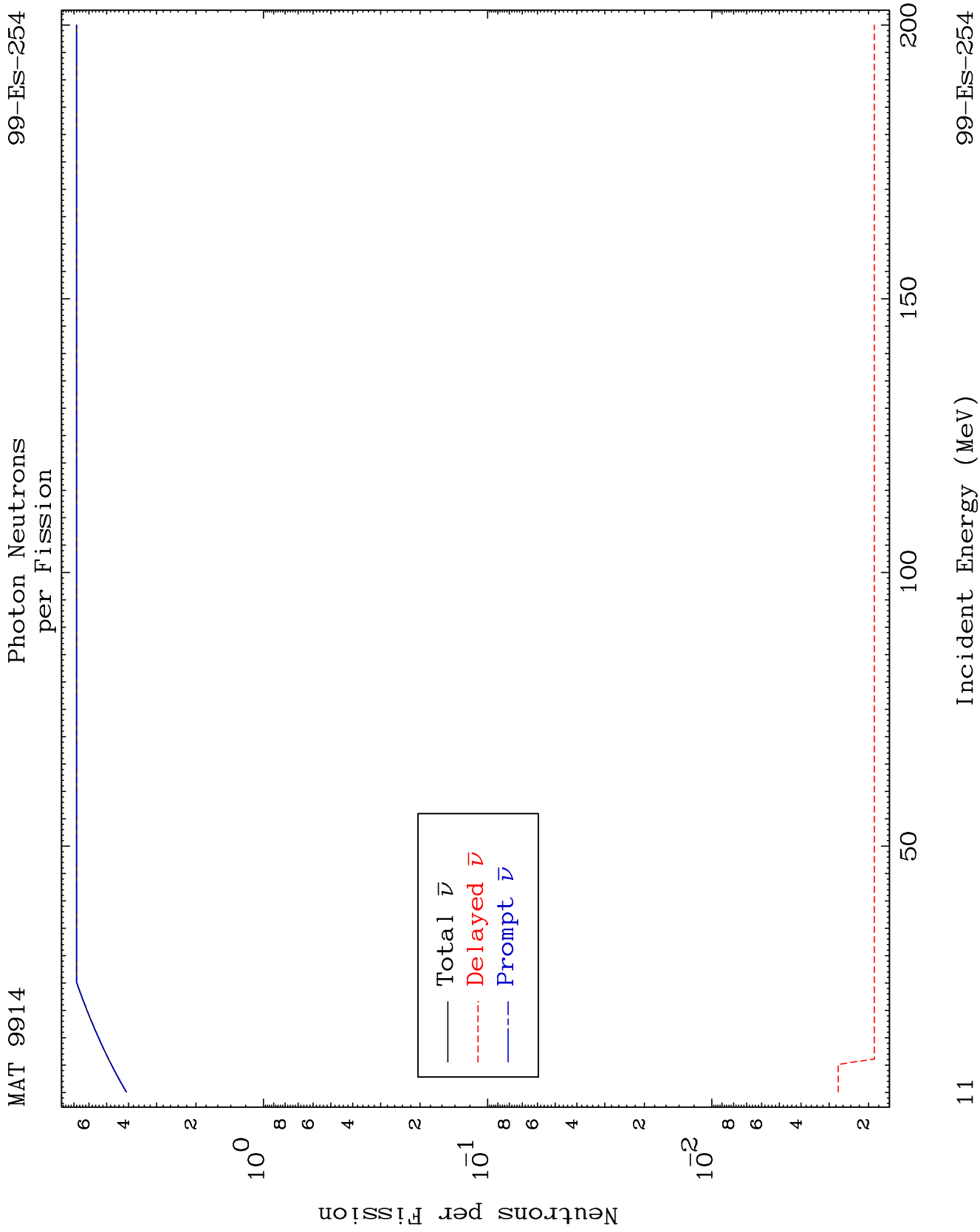


— (n, α)

10

Incident Energy (MeV)

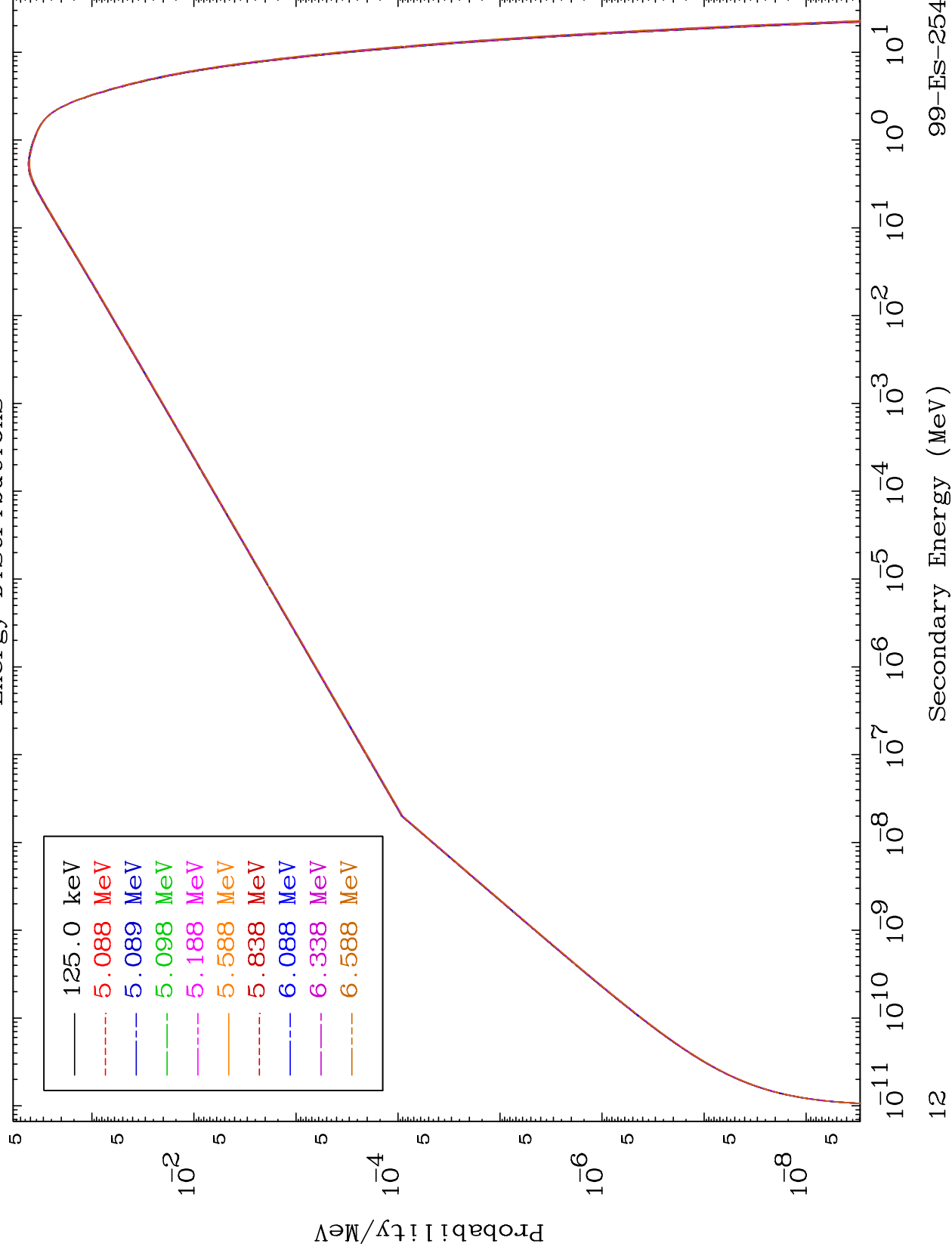
99-Es-254

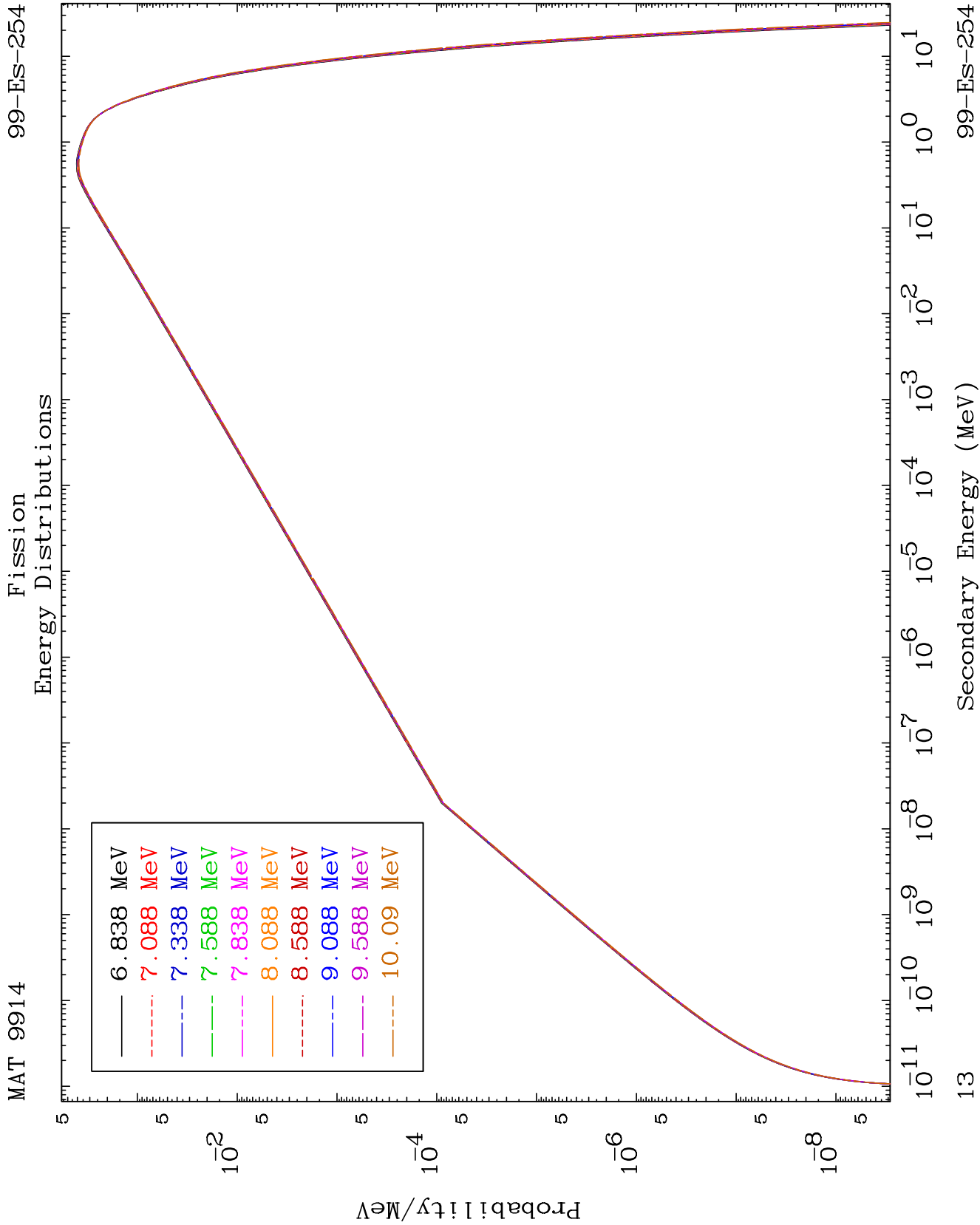


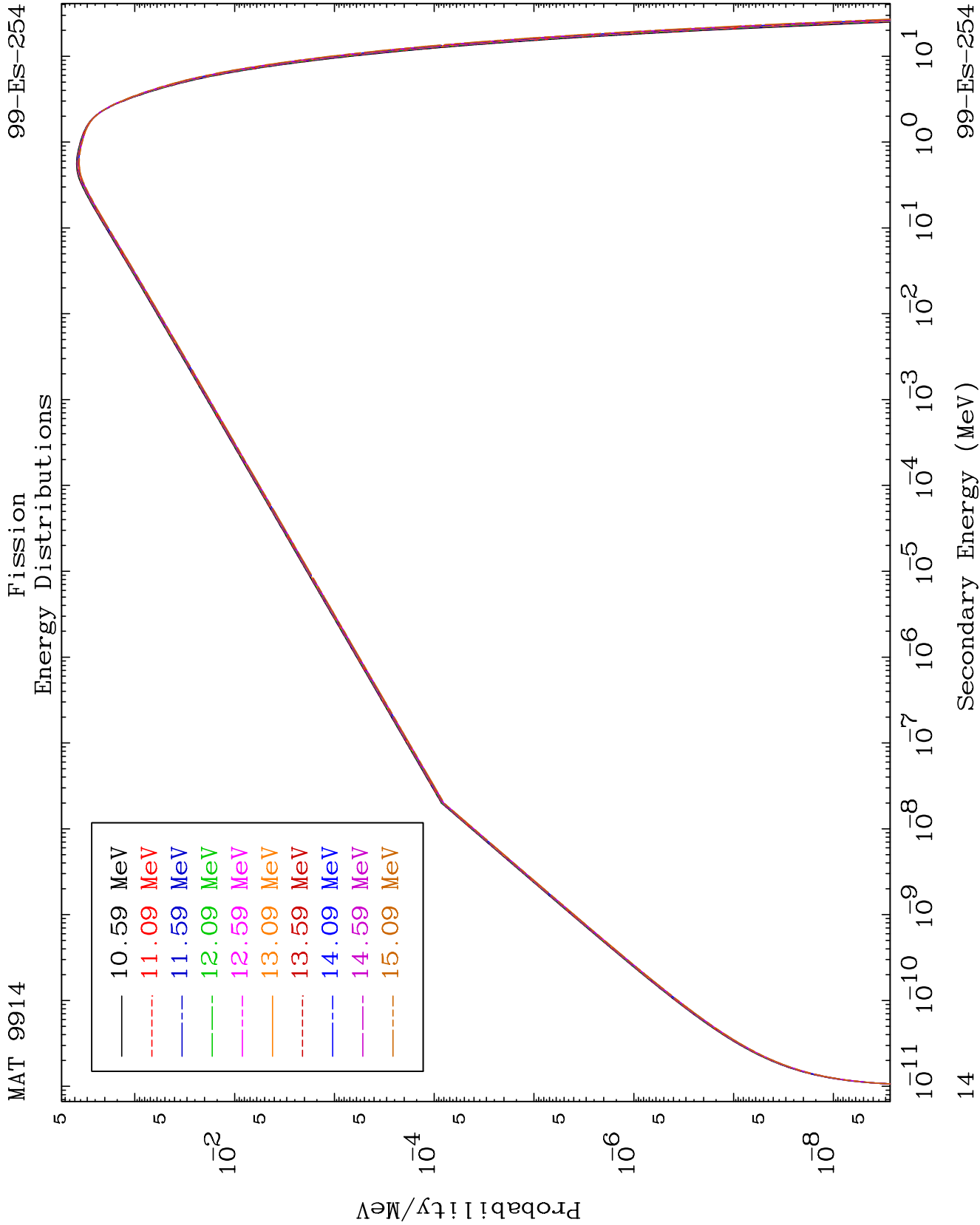
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Fission
Energy Distributions

99-Es-254



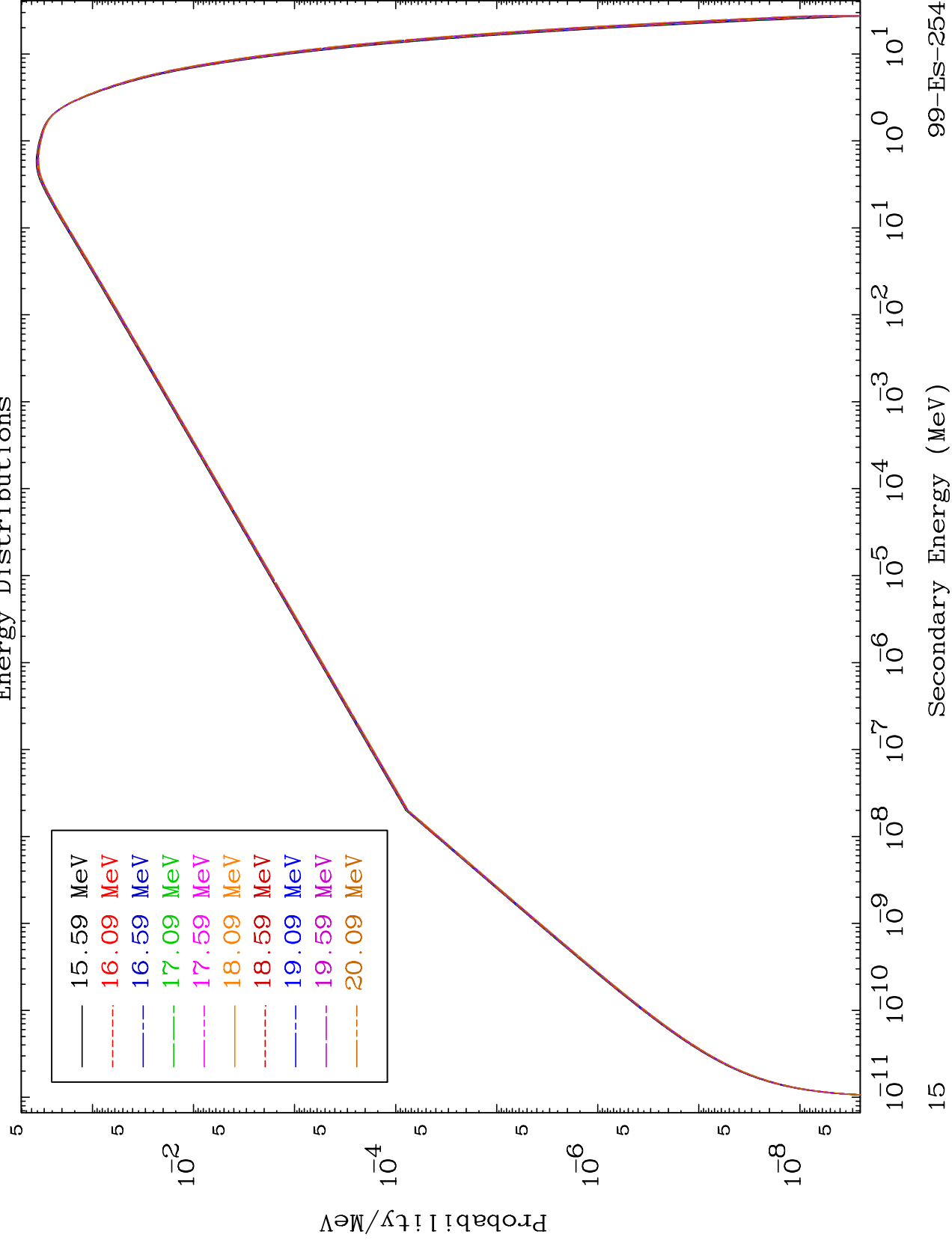




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Fission Energy Distributions

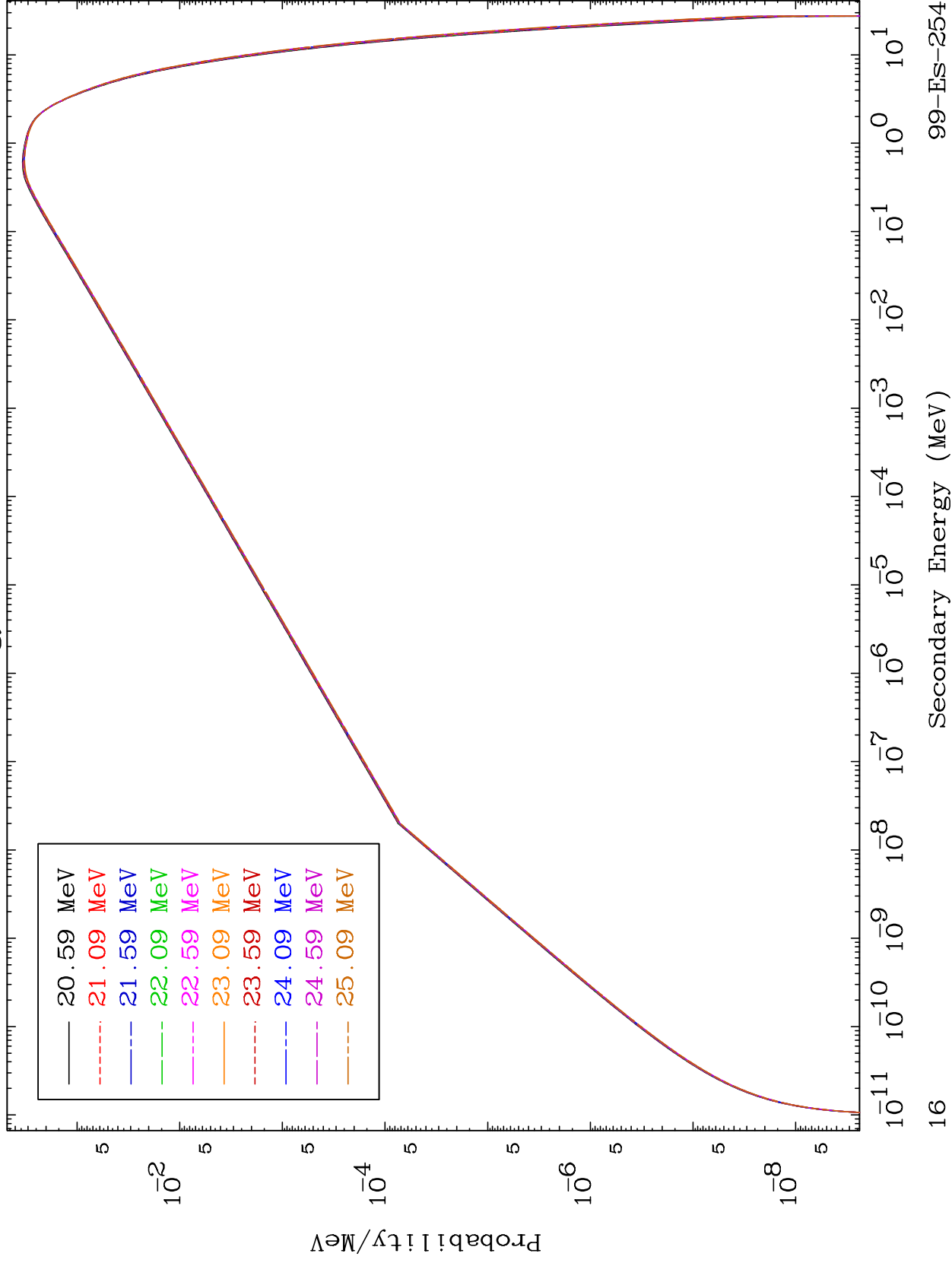
99-ES-254



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Fission
Energy Distributions

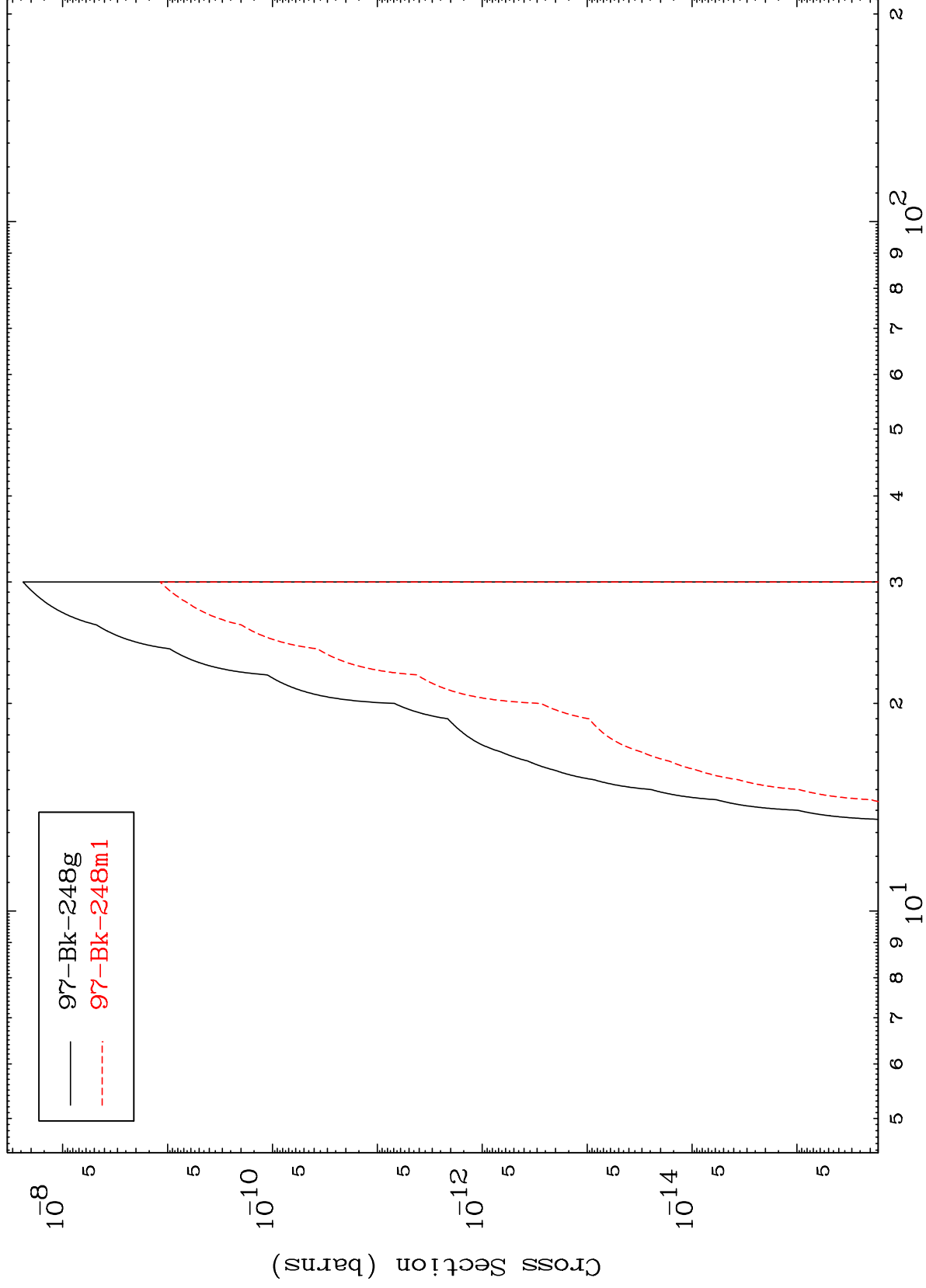
99-Es-254



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Radionuclide Production Cross Section
(n,2n) α



17

Incident Energy (MeV)

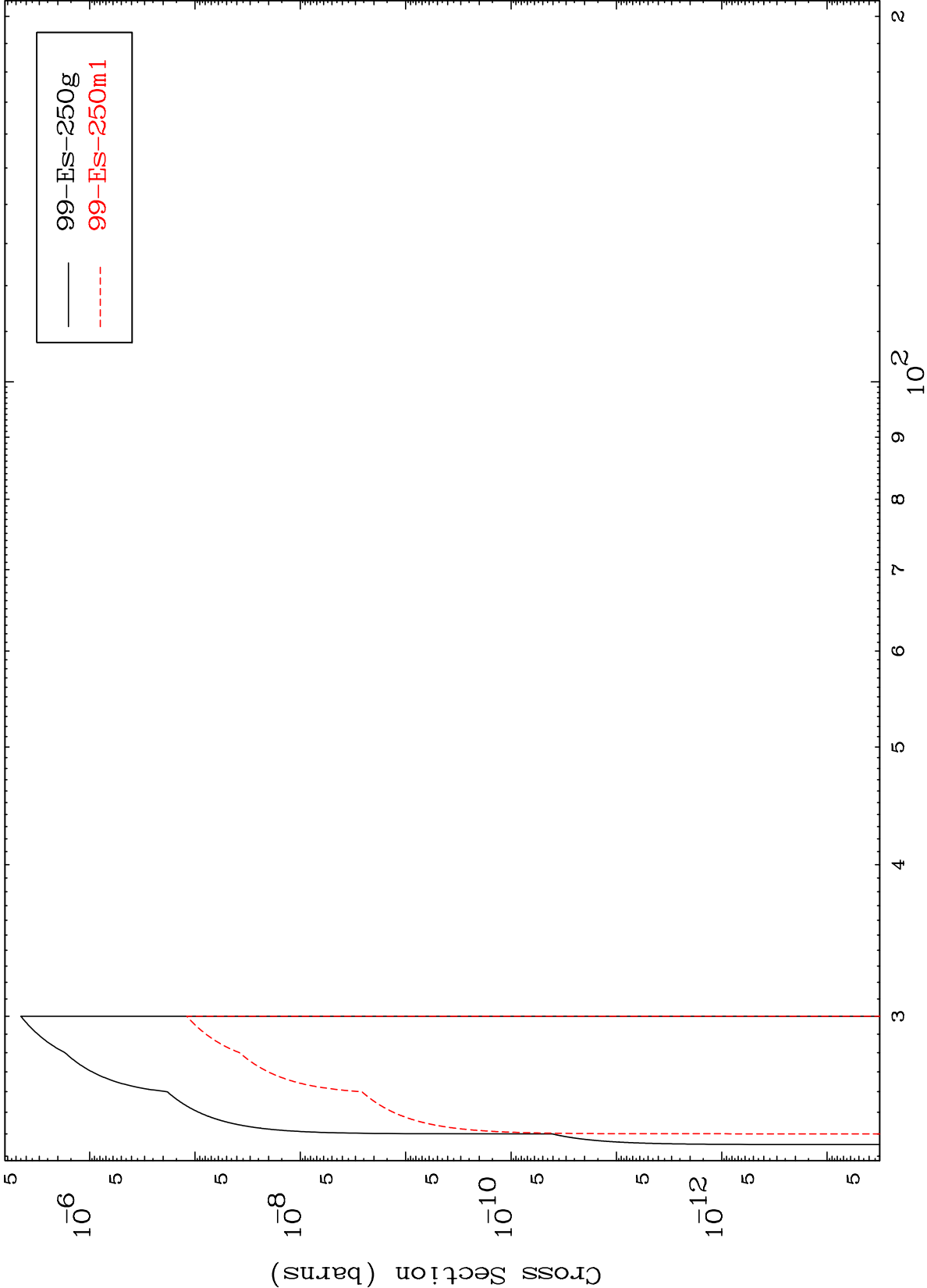
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(n,4n)

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Radionuclide Production Cross Section



18

Incident Energy (MeV)

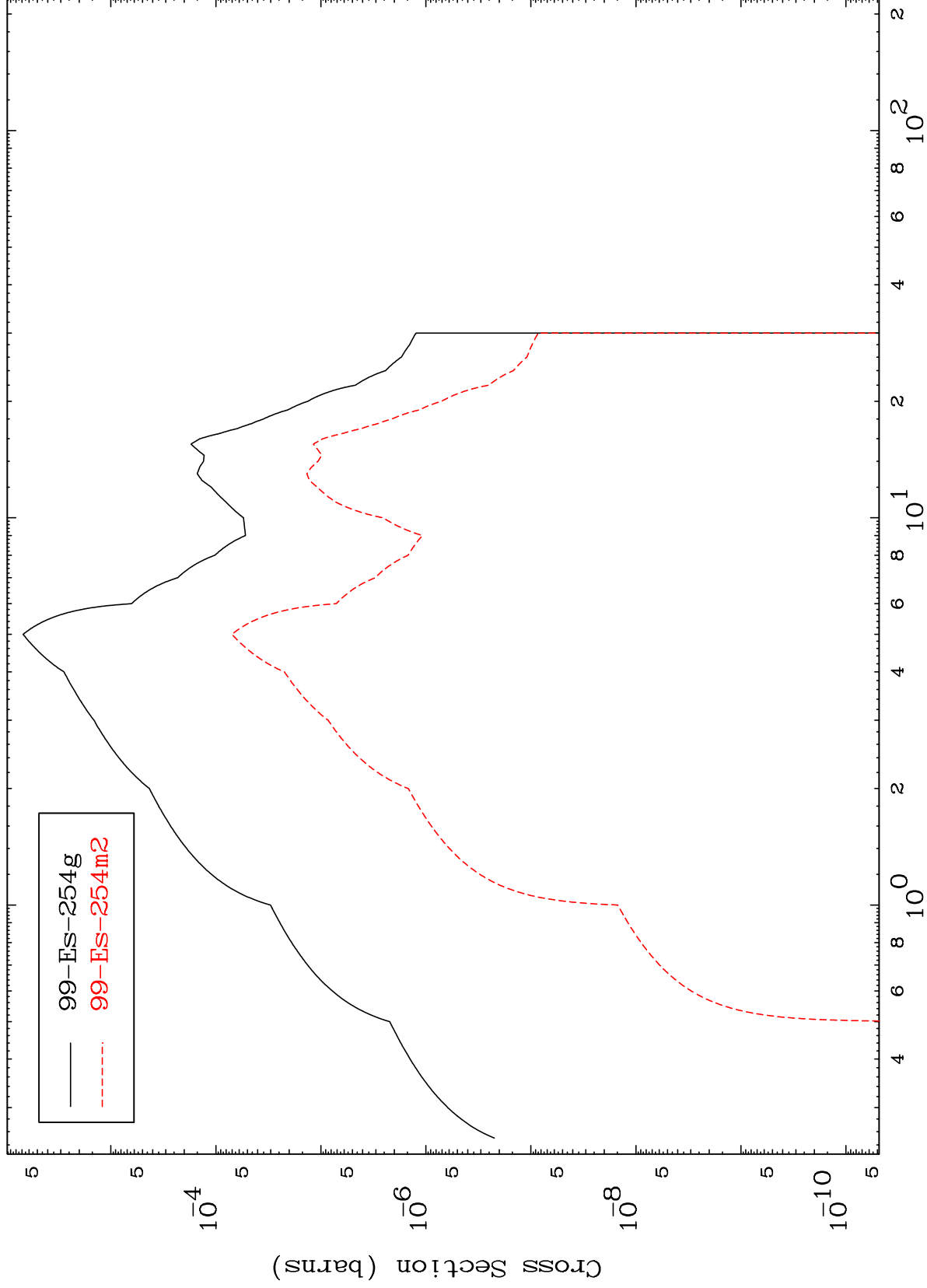
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Radionuclide Production Cross Section

(n, γ)



19

Incident Energy (MeV)

99-Es-254