

Program EVALPLOT
(Version 2021-1)

by

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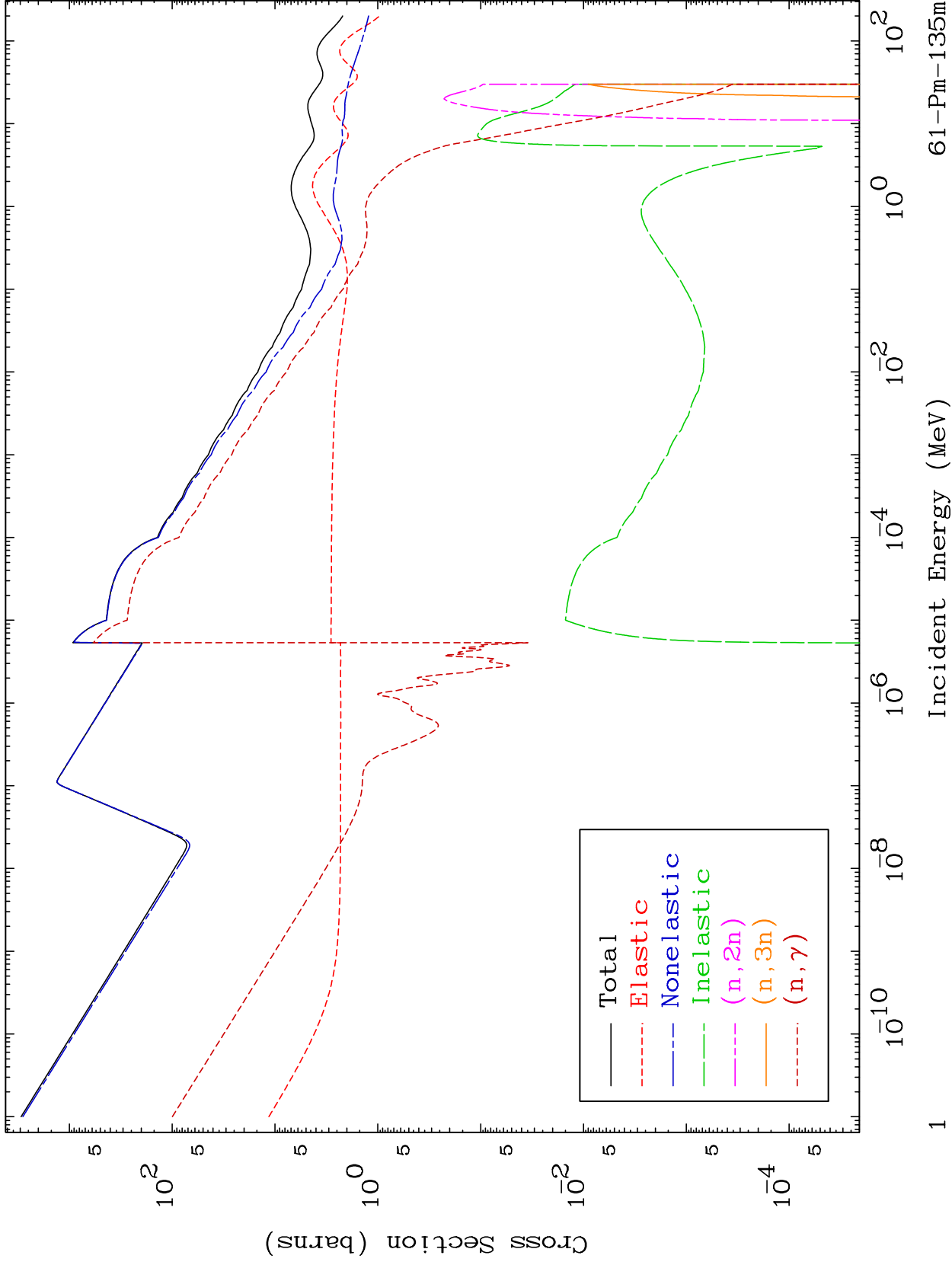
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Press Mouse Button to Start

MAT 6114

Neutron Major
293 Kelvin Cross Sections

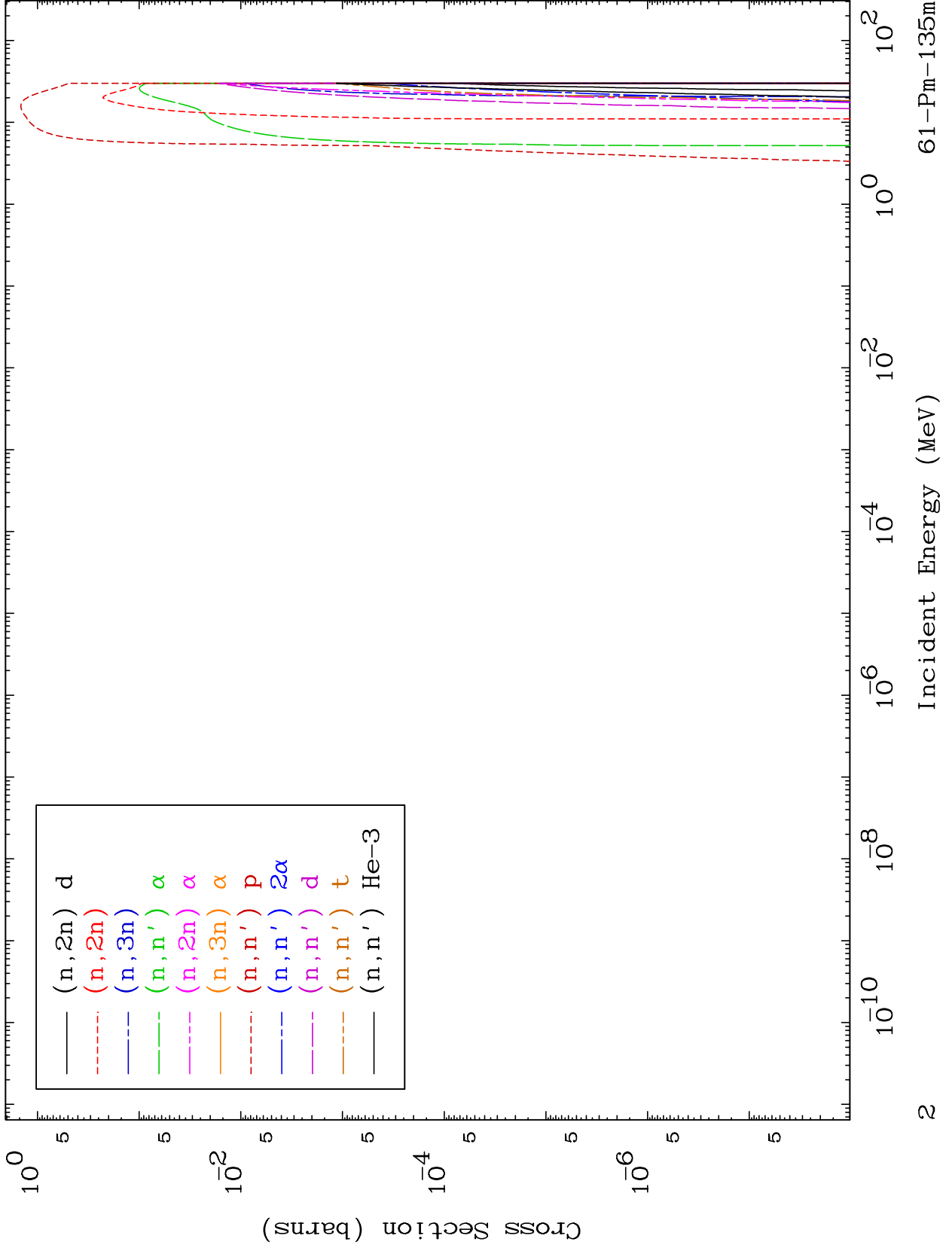
61-Pm-135m



MAT 6114

Neutron Absorption
293 Kelvin Cross Sections

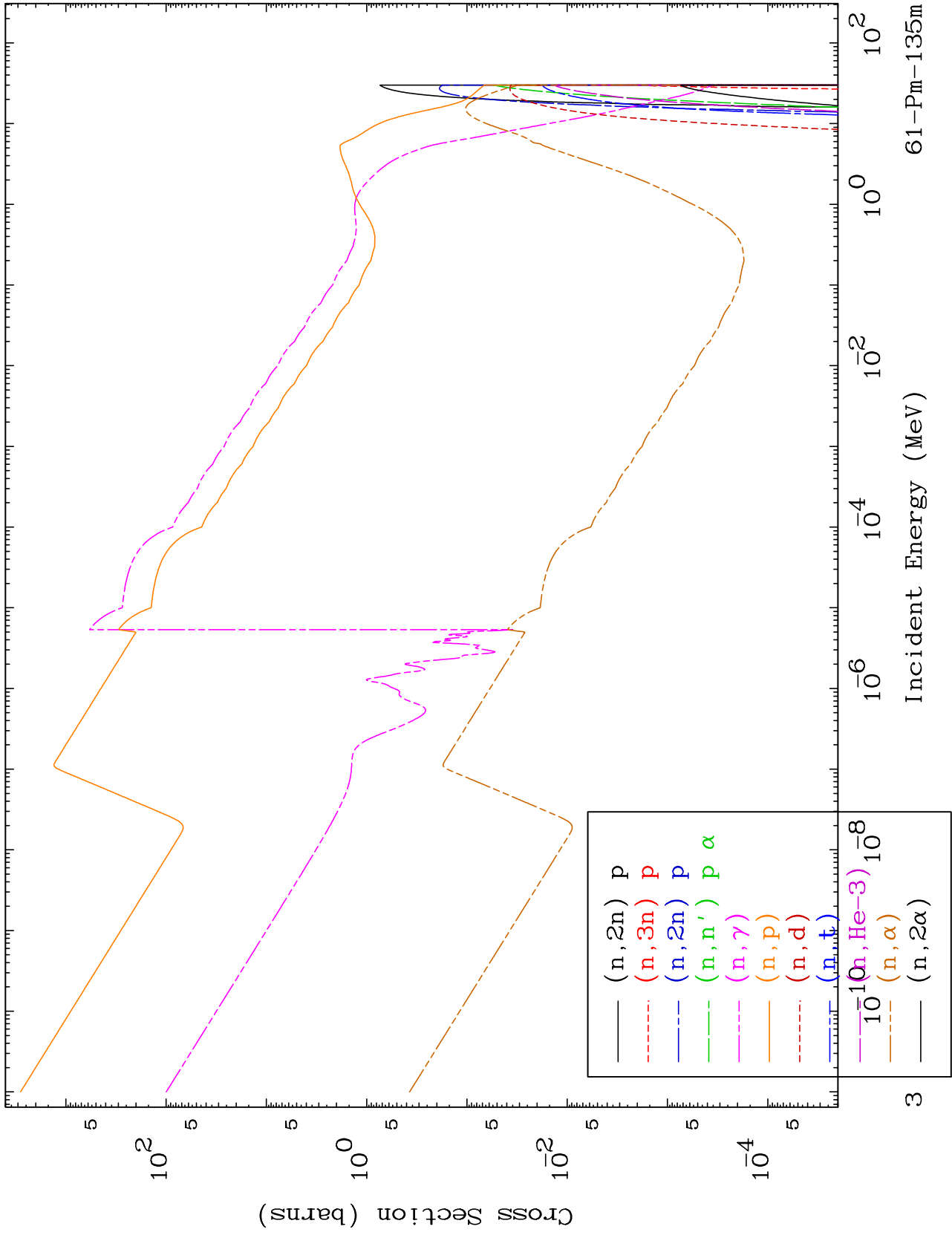
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MAT 6114

Neutron Absorption
293 Kelvin Cross Sections

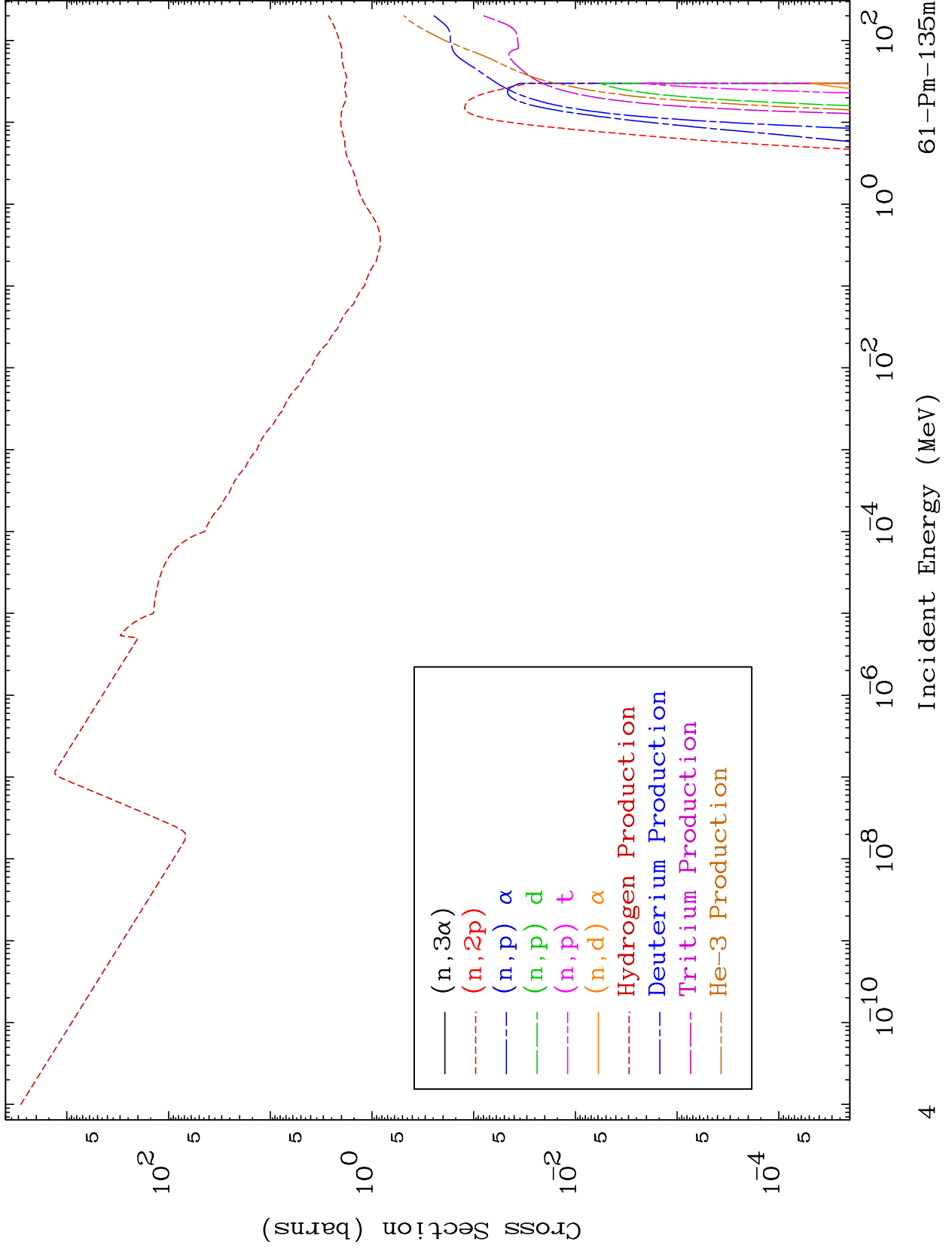
61-Pm-135m



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Neutron Absorption
293 Kelvin Cross Sections

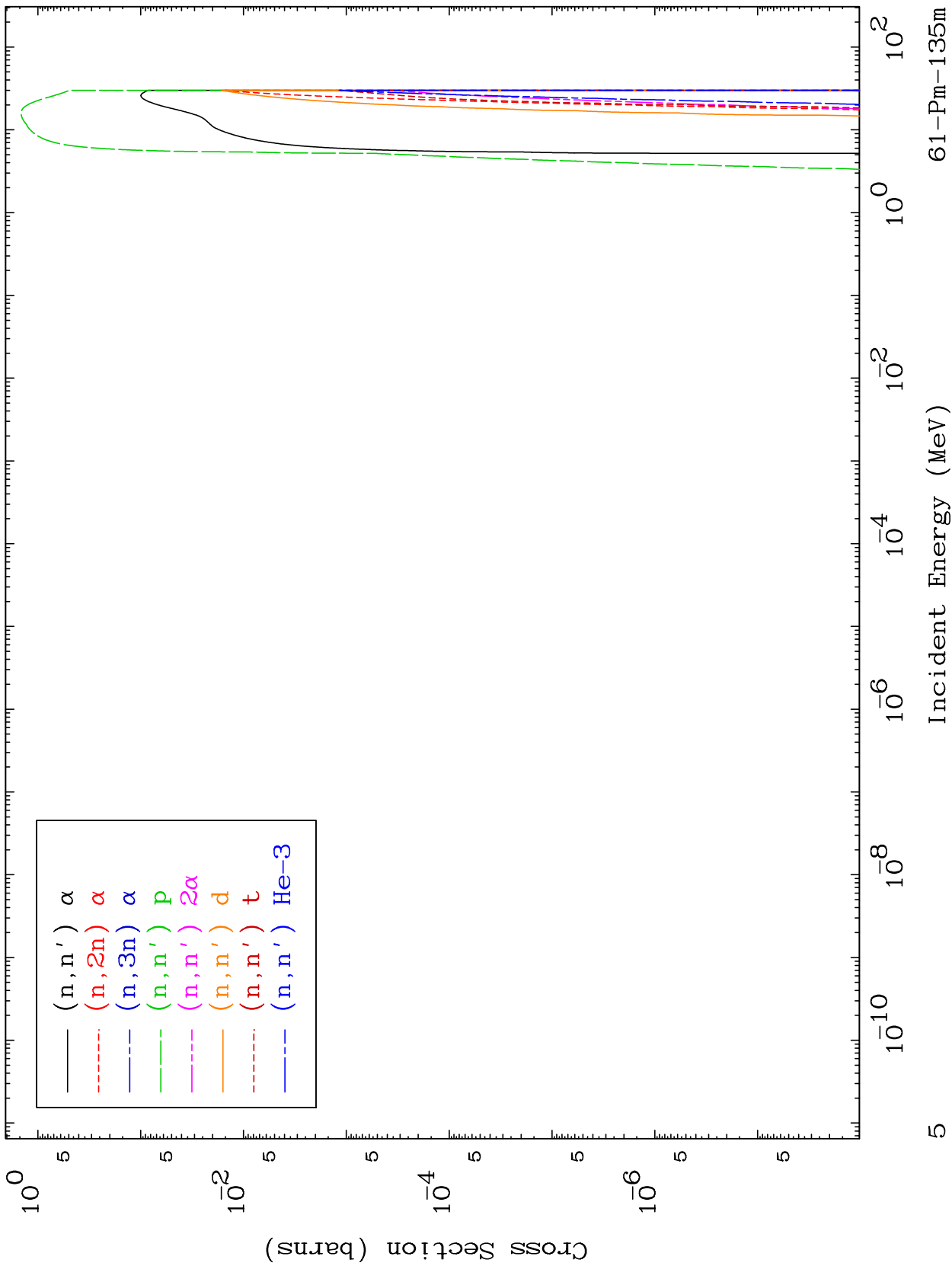
61-Pm-135m



MAT 6114

Charged Particle
293 Kelvin Cross Sections

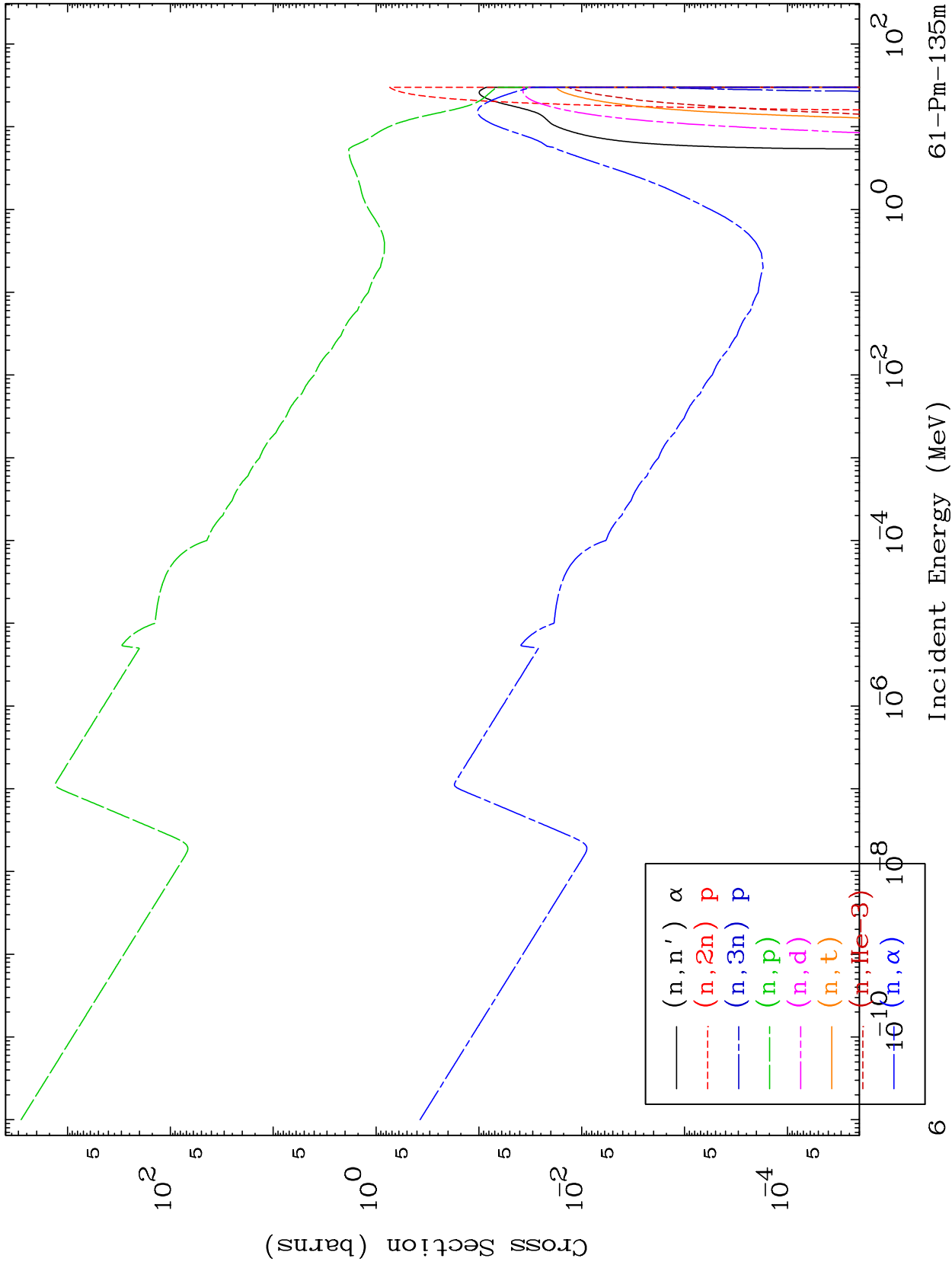
61-Pm-135m



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Charged Particle
293 Kelvin Cross Sections

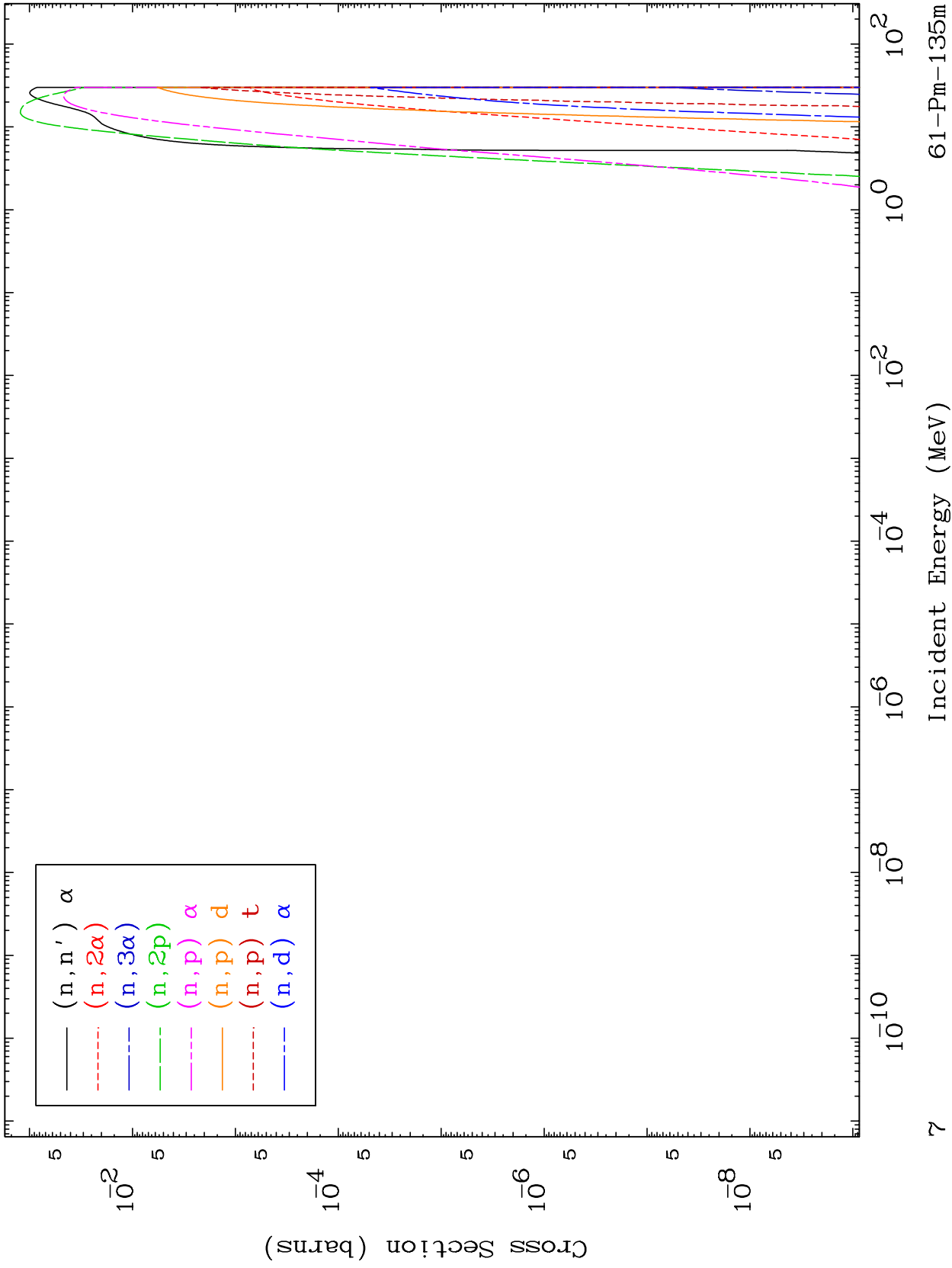
61-Pm-135m



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Charged Particle
293 Kelvin Cross Sections

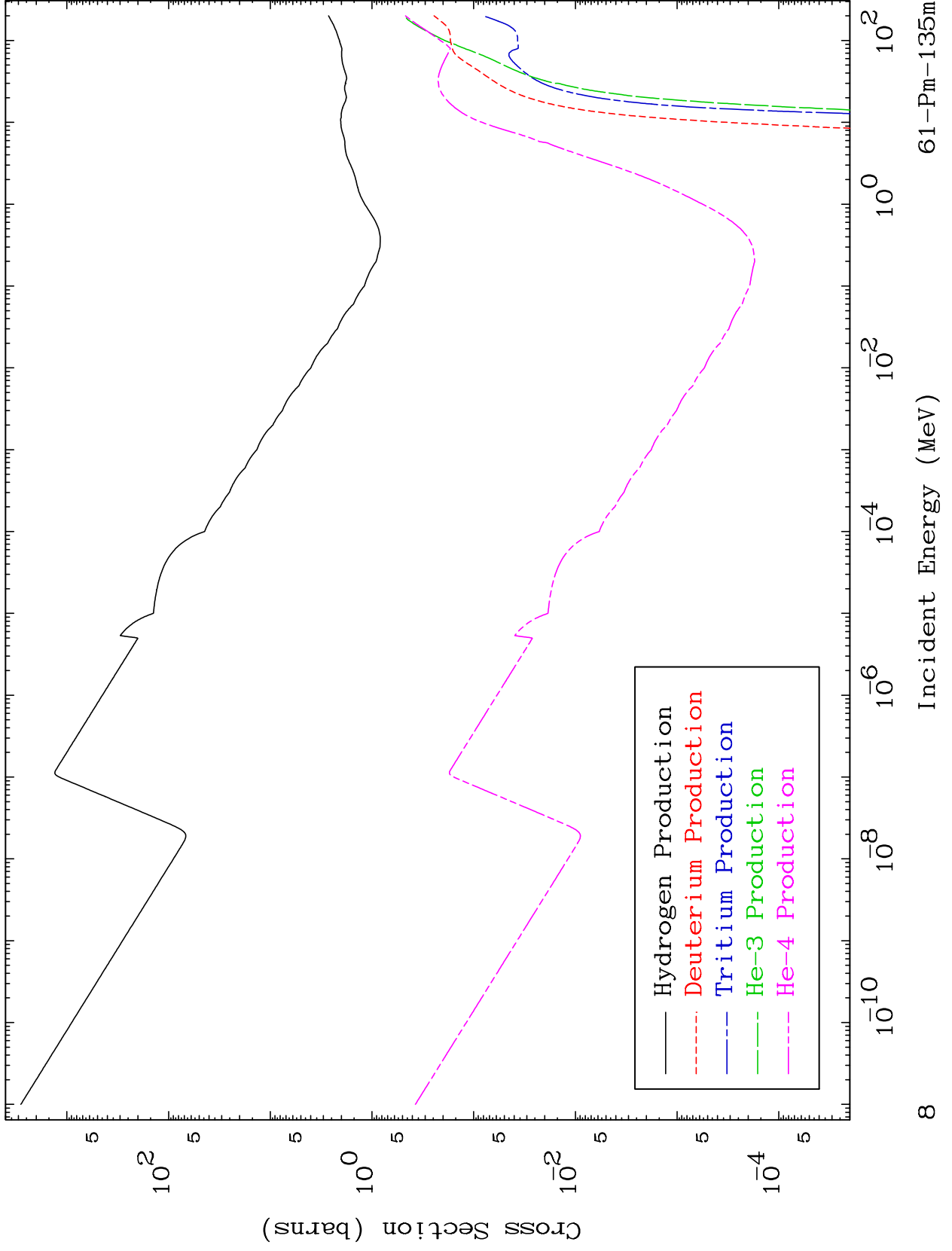
61-Pm-135m



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Particle Production
293 Kelvin Cross Sections

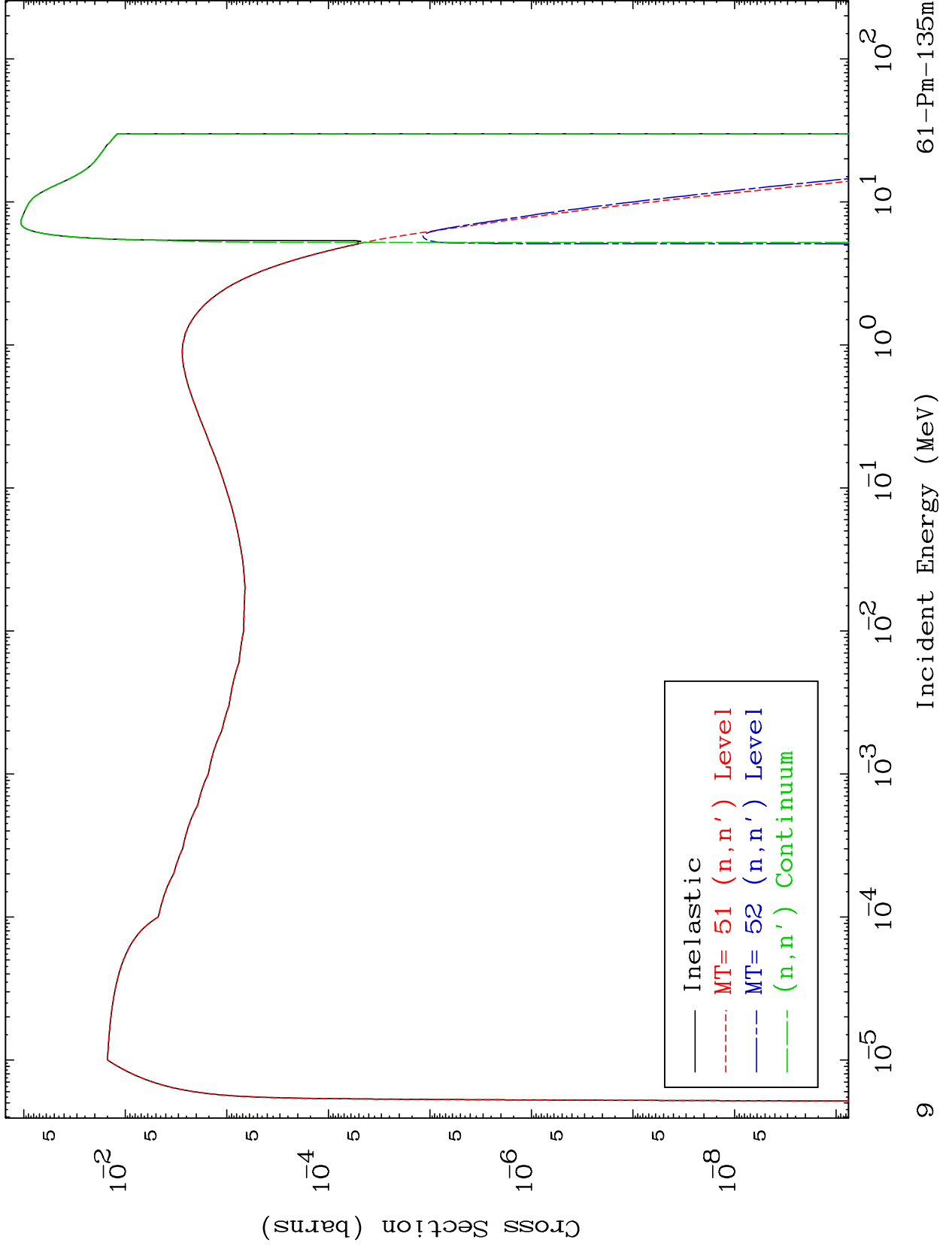
61-Pm-135m



MAT 6114

(n,n') Levels
293 Kelvin Cross Sections

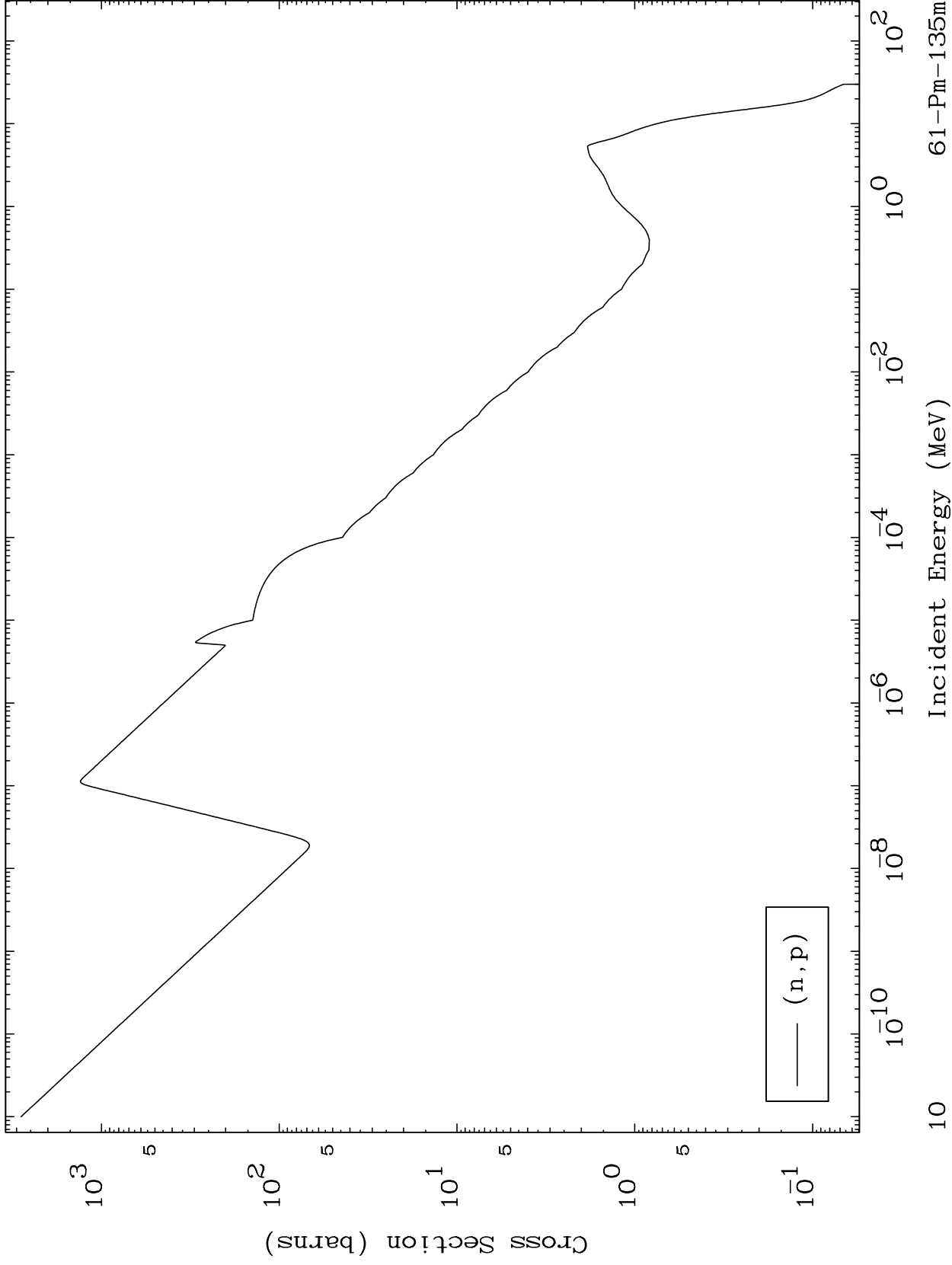
61-Pm-135m



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(n,p) Levels
293 Kelvin Cross Sections

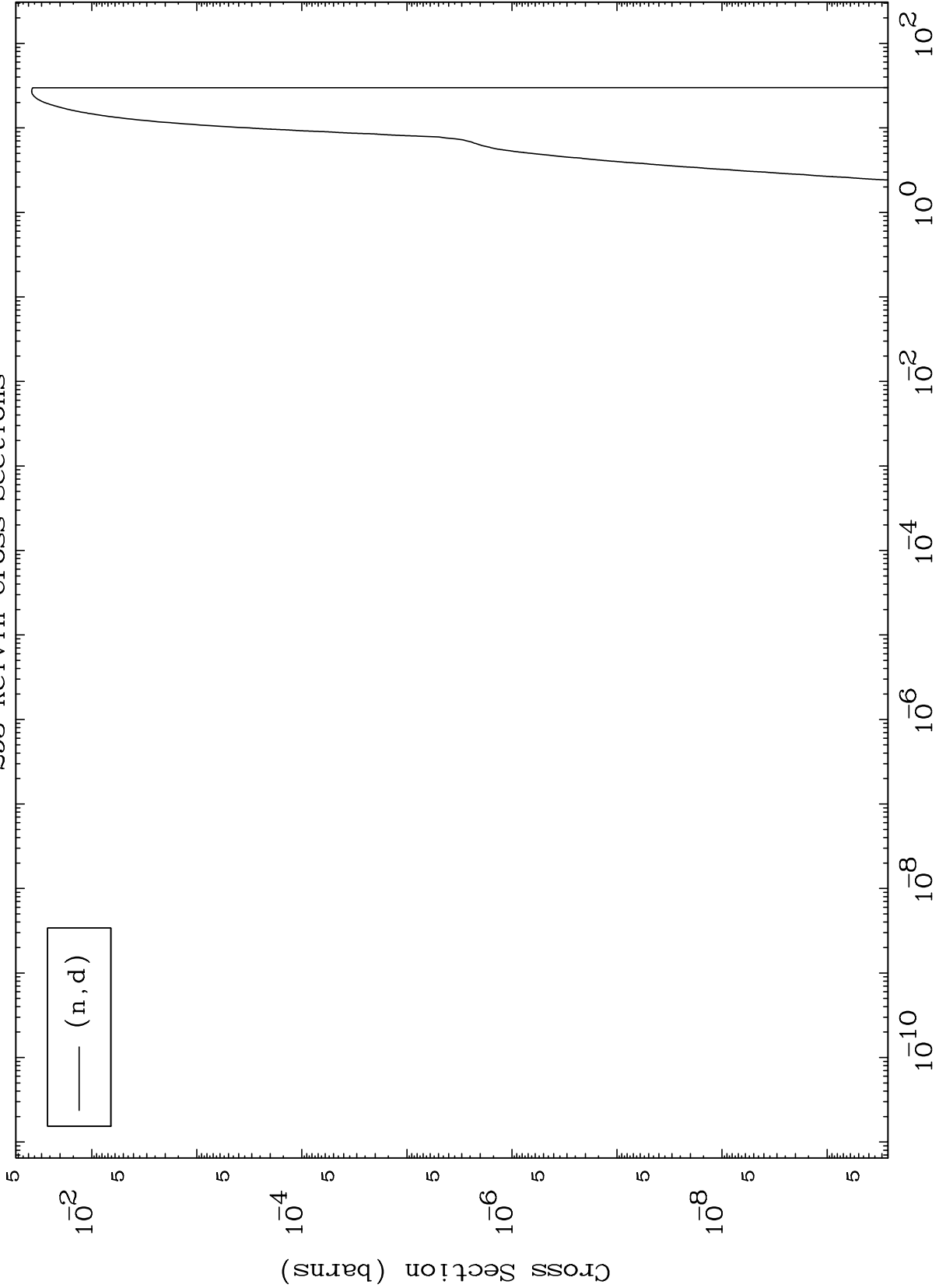
61-Pm-135m



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(n,d) Levels
293 Kelvin Cross Sections

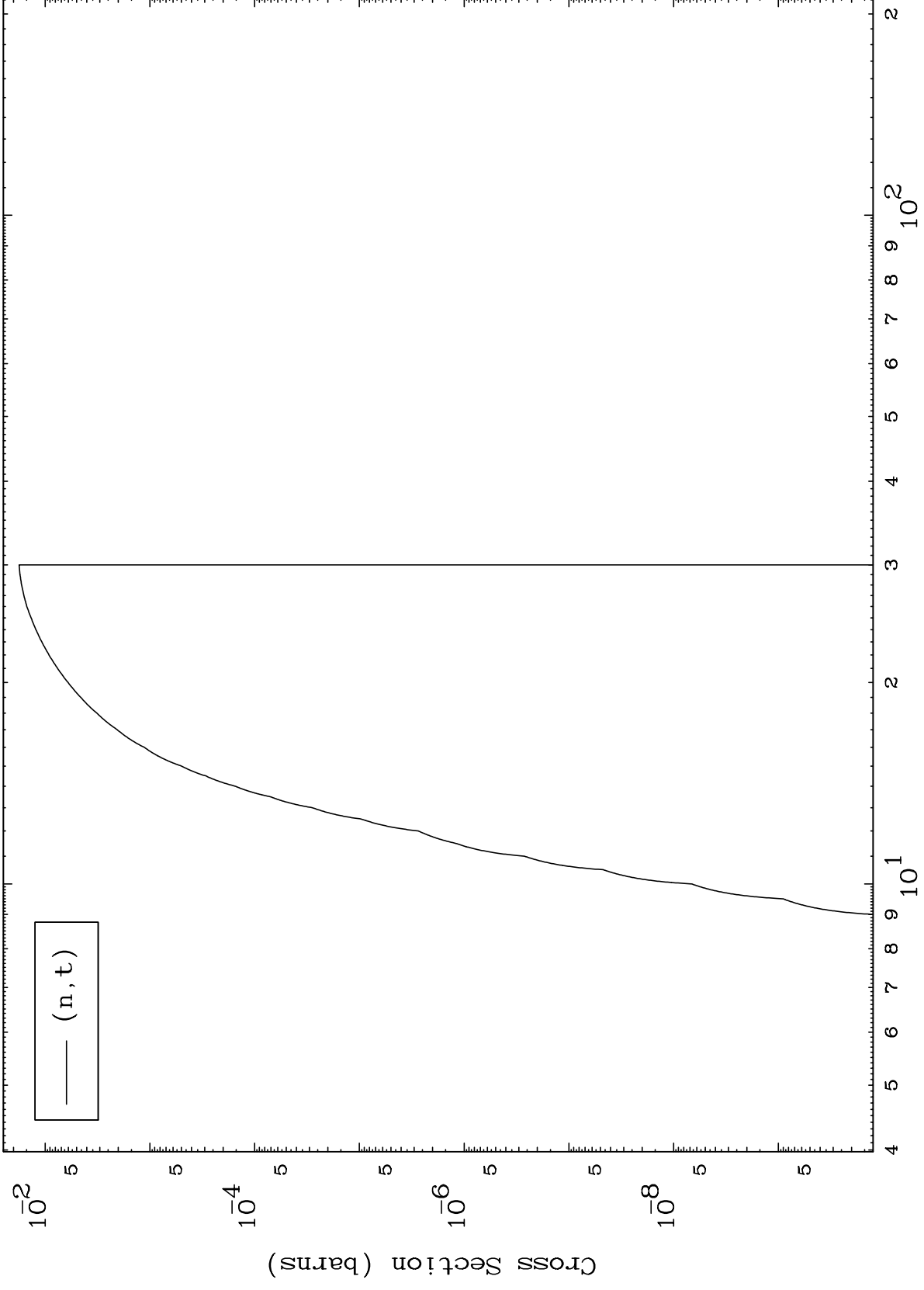
61-Pm-135m



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(n,t) Levels
293 Kelvin Cross Sections

61-Pm-135m



12

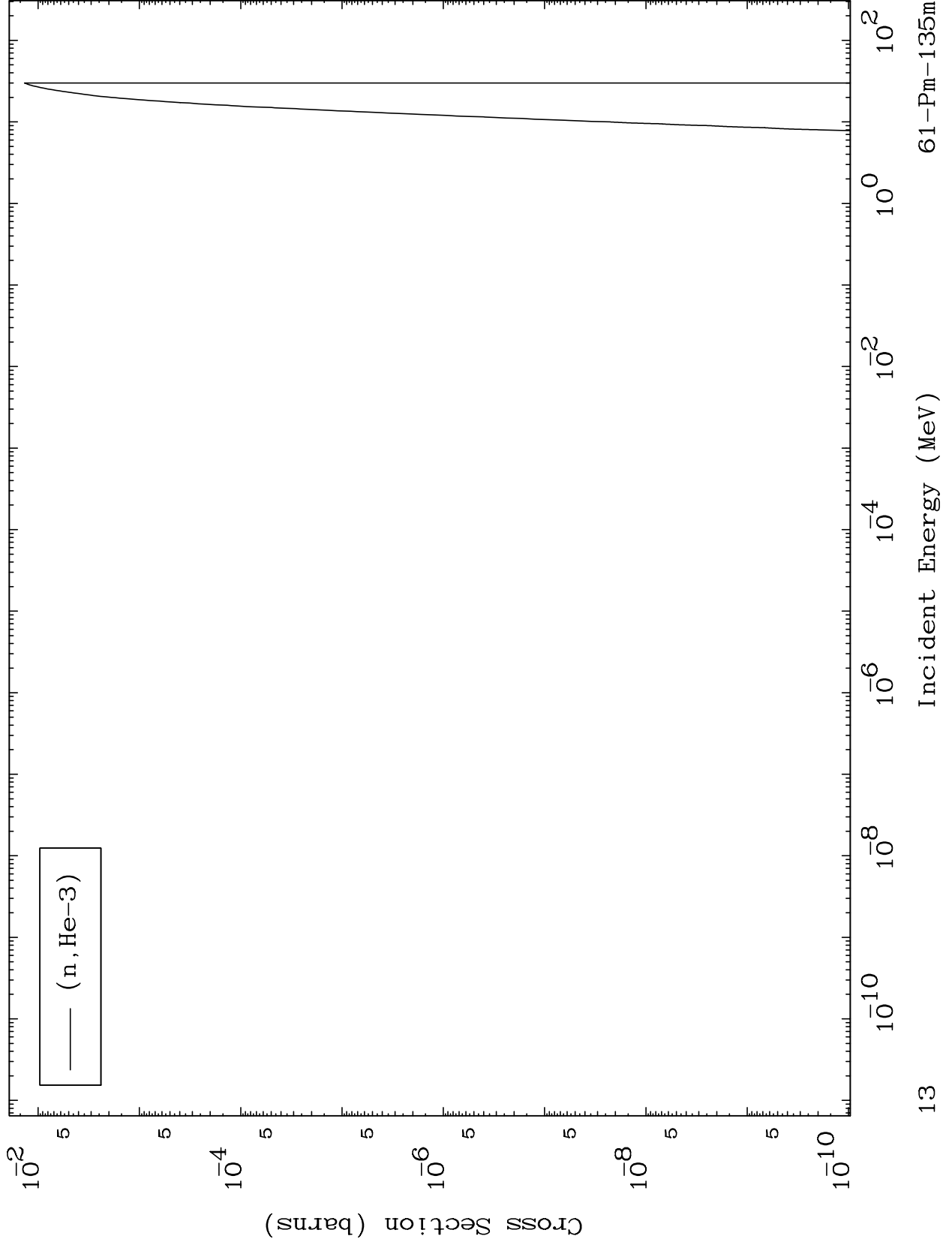
Incident Energy (MeV)

61-Pm-135m

MAT 6114

(n,He3) Levels
293 Kelvin Cross Sections

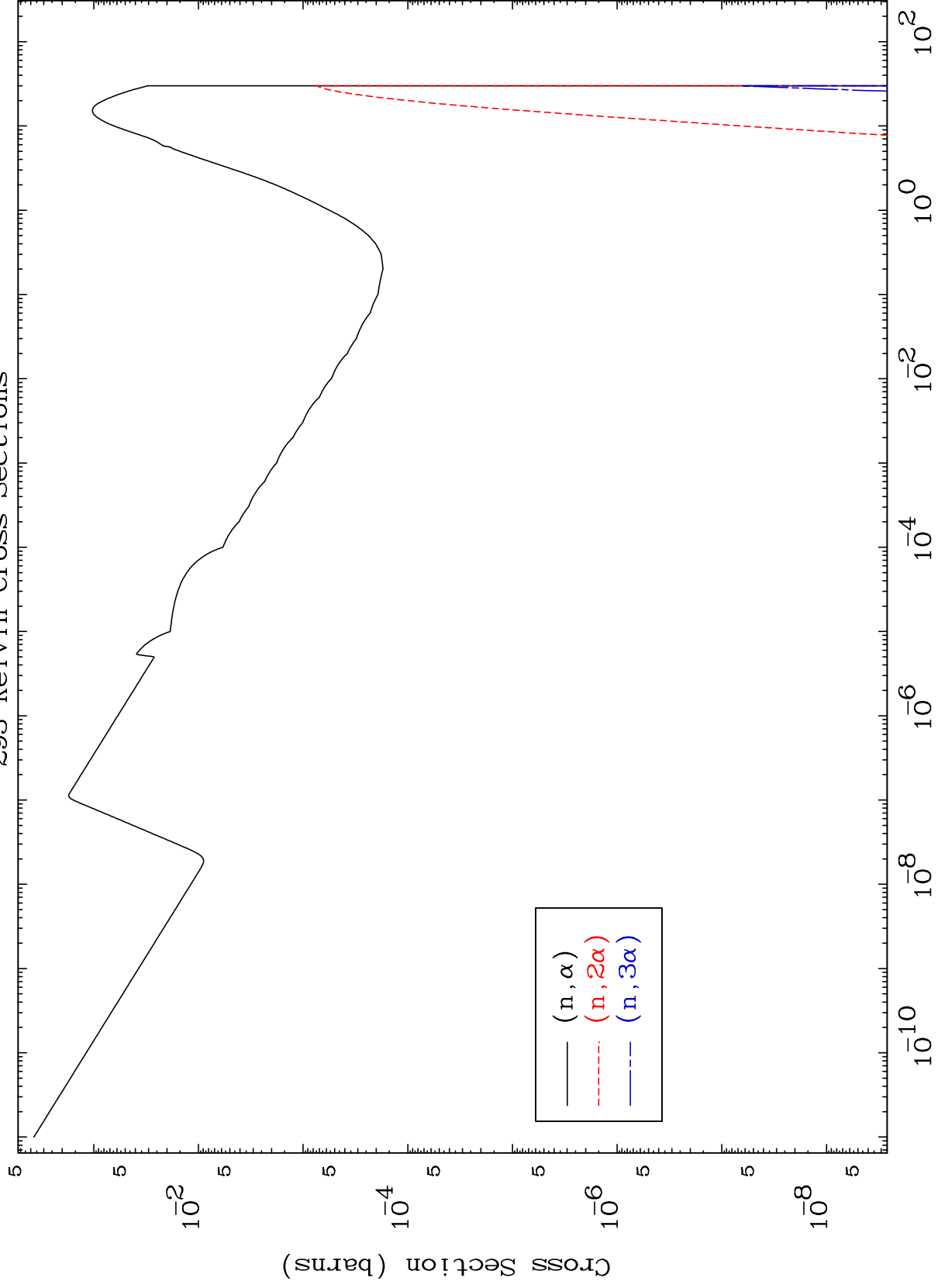
61-Pm-135m



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(n, α) Levels
293 Kelvin Cross Sections

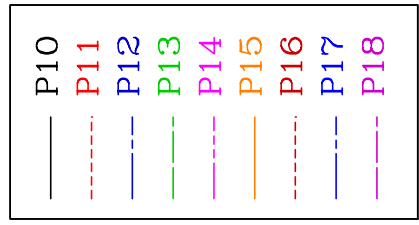
61-Pm-135m



MAT 6114

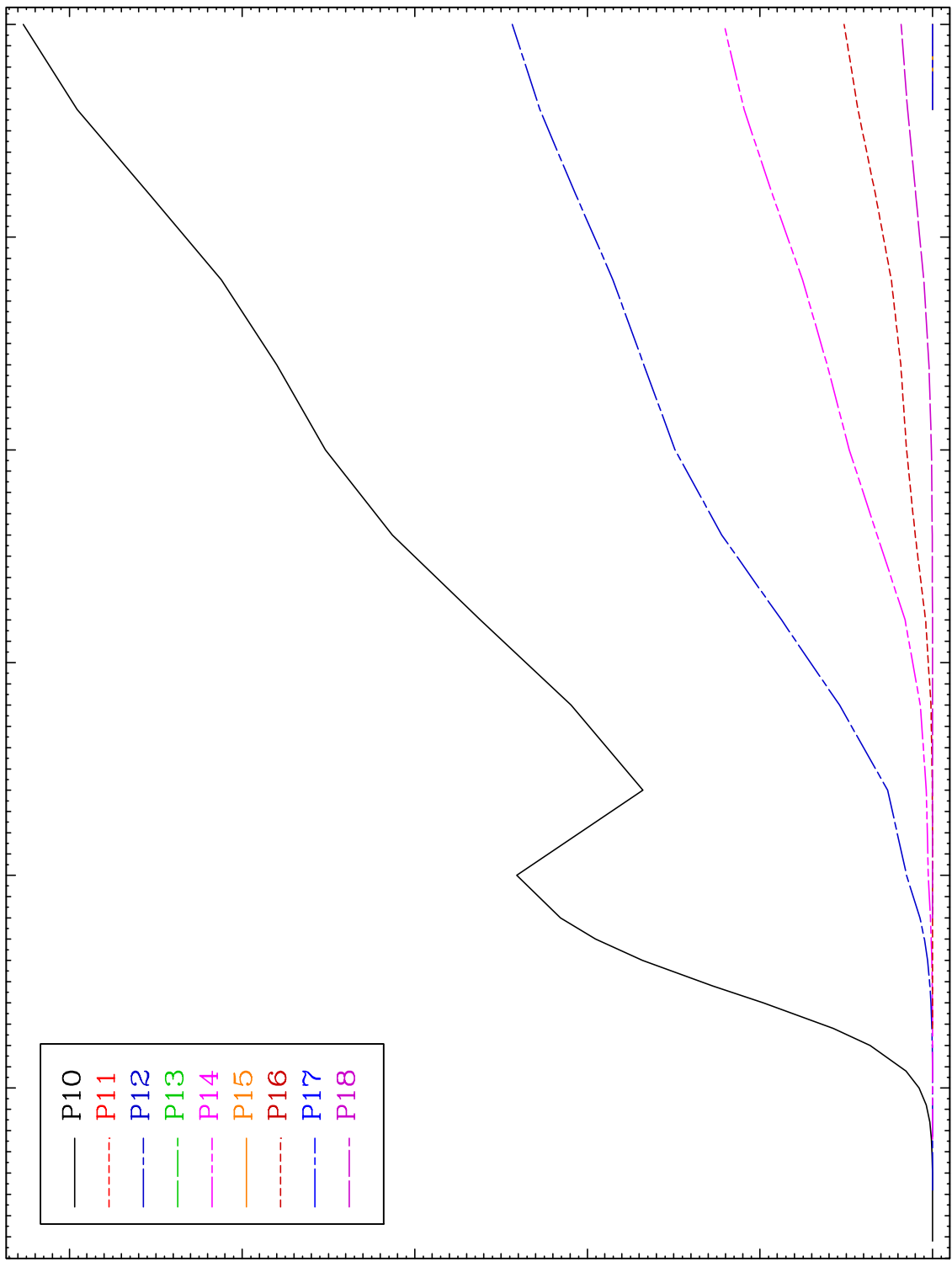
Elastic Legendre Coefficients

61-Pm-135m



$\times 10^{-45}$

Legendre (CM)



16

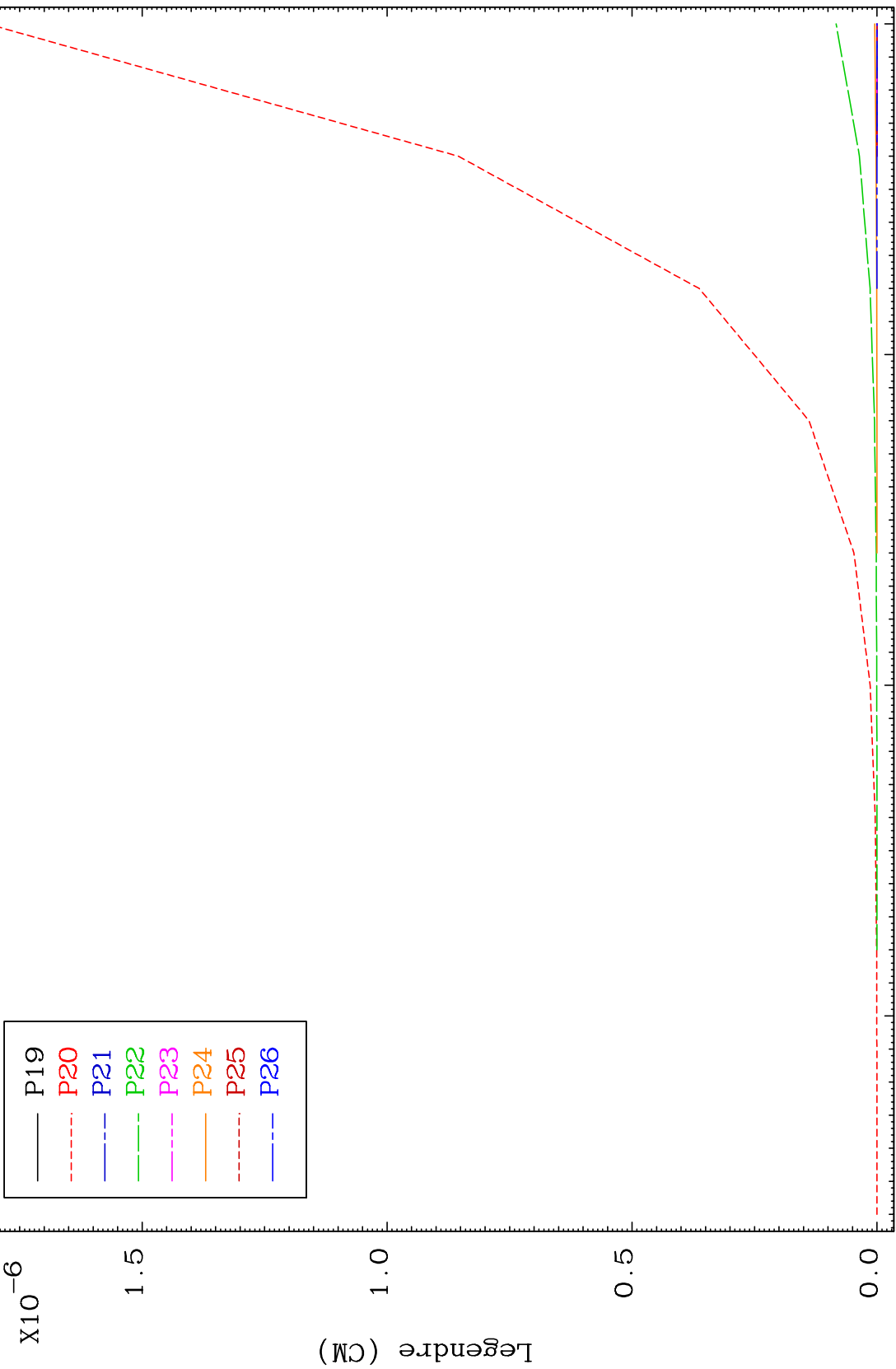
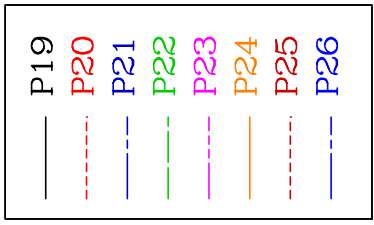
Incident Energy (MeV)

61-Pm-135m

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Elastic
Legendre Coefficients

61-Pm-135m



17

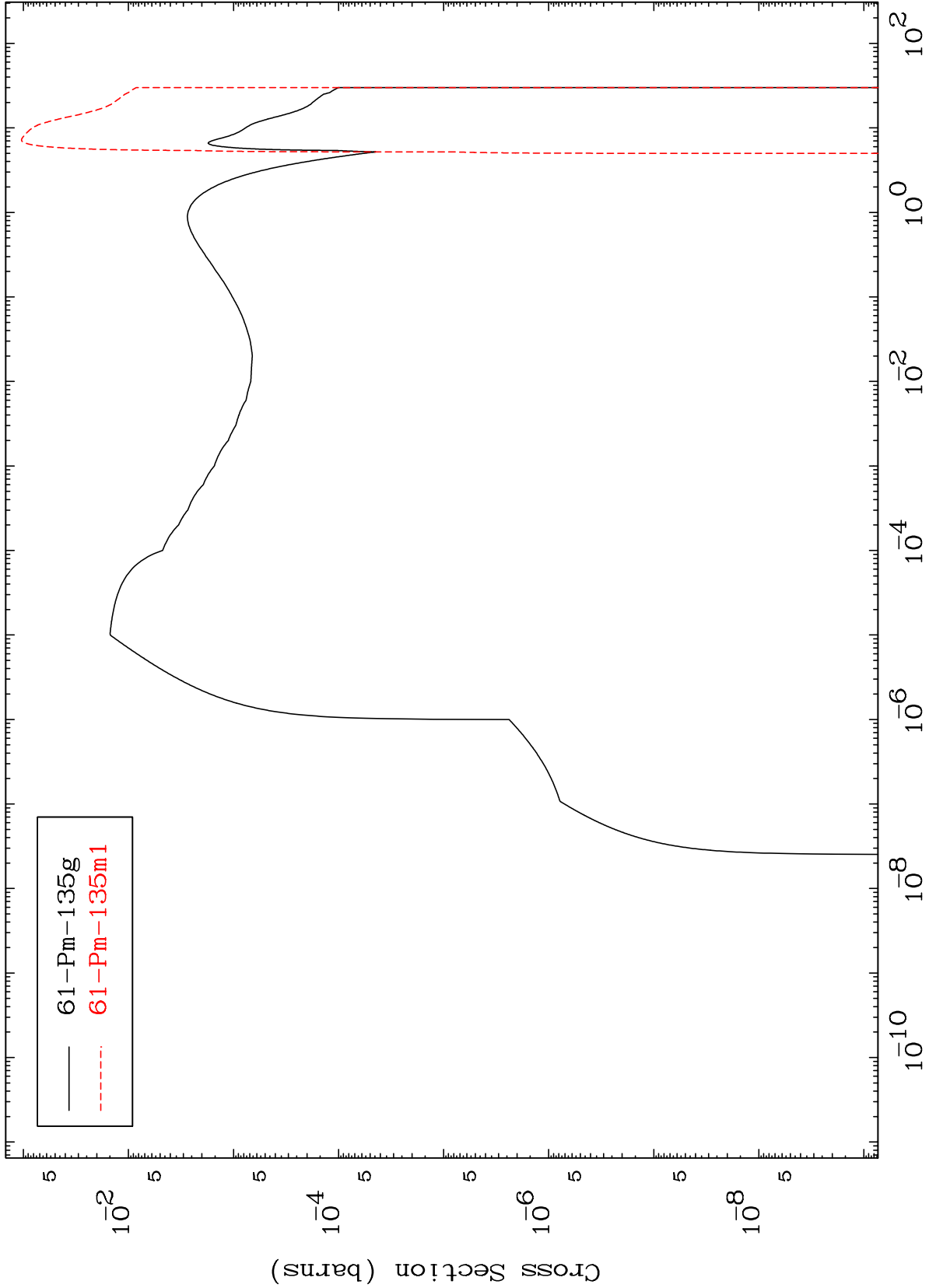
Incident Energy (MeV)

61-Pm-135m

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Inelastic
Radionuclide Production Cross Section

61-Pm-135m



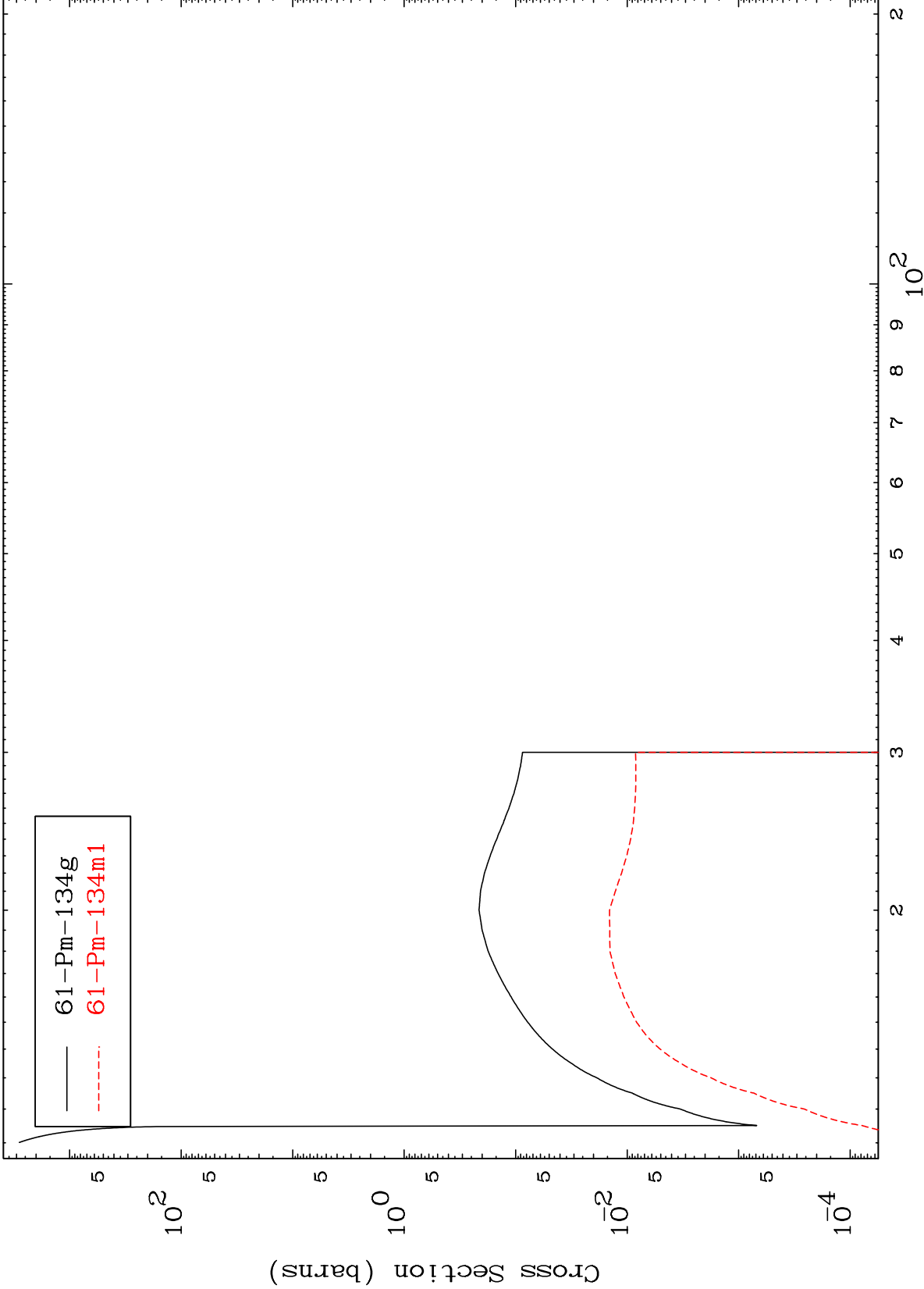
61-Pm-135g
61-Pm-135m1

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(n,2n)

61-Pm-135m

Radionuclide Production Cross Section

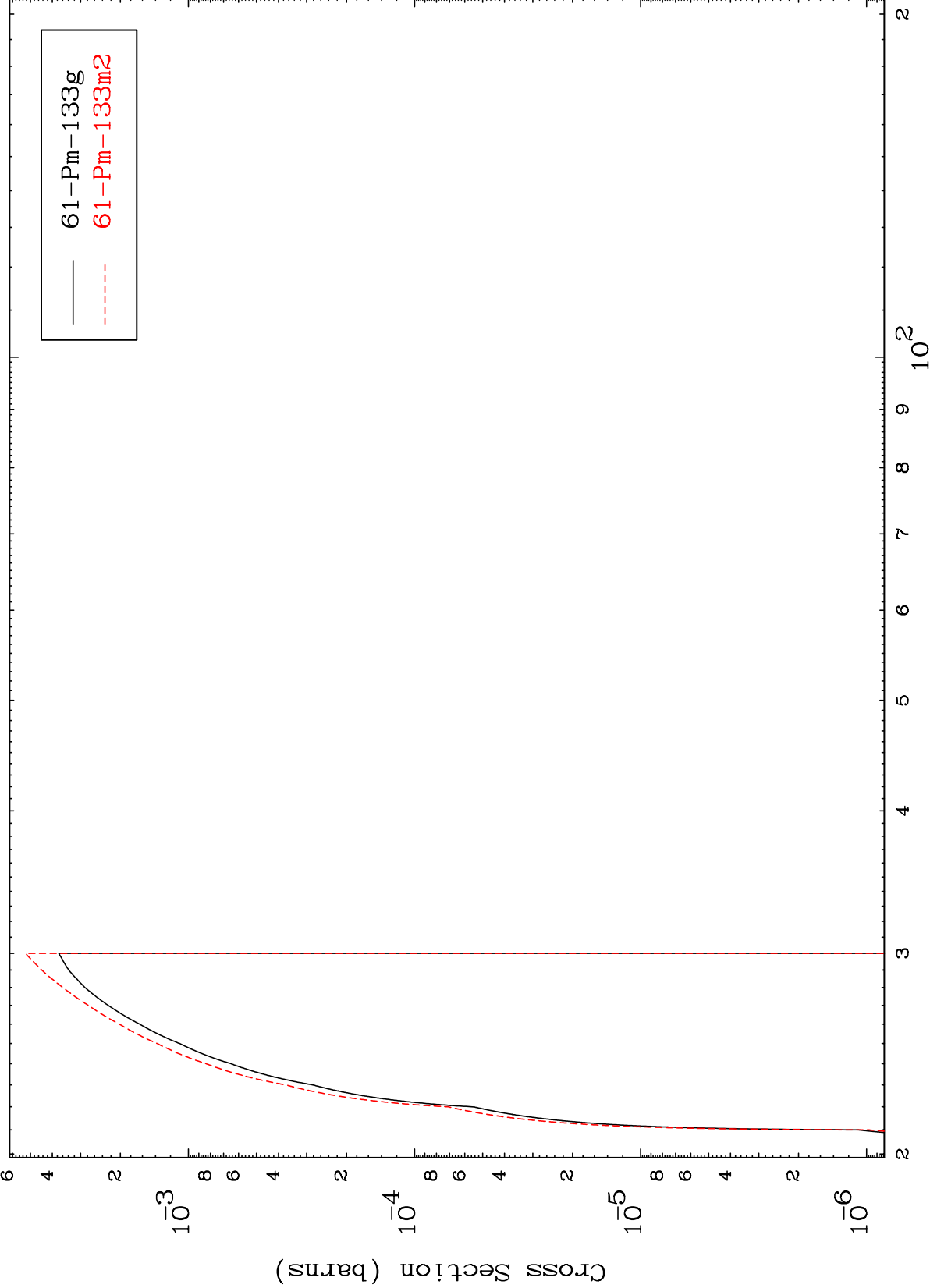


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(n,3n)

61-Pm-135m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

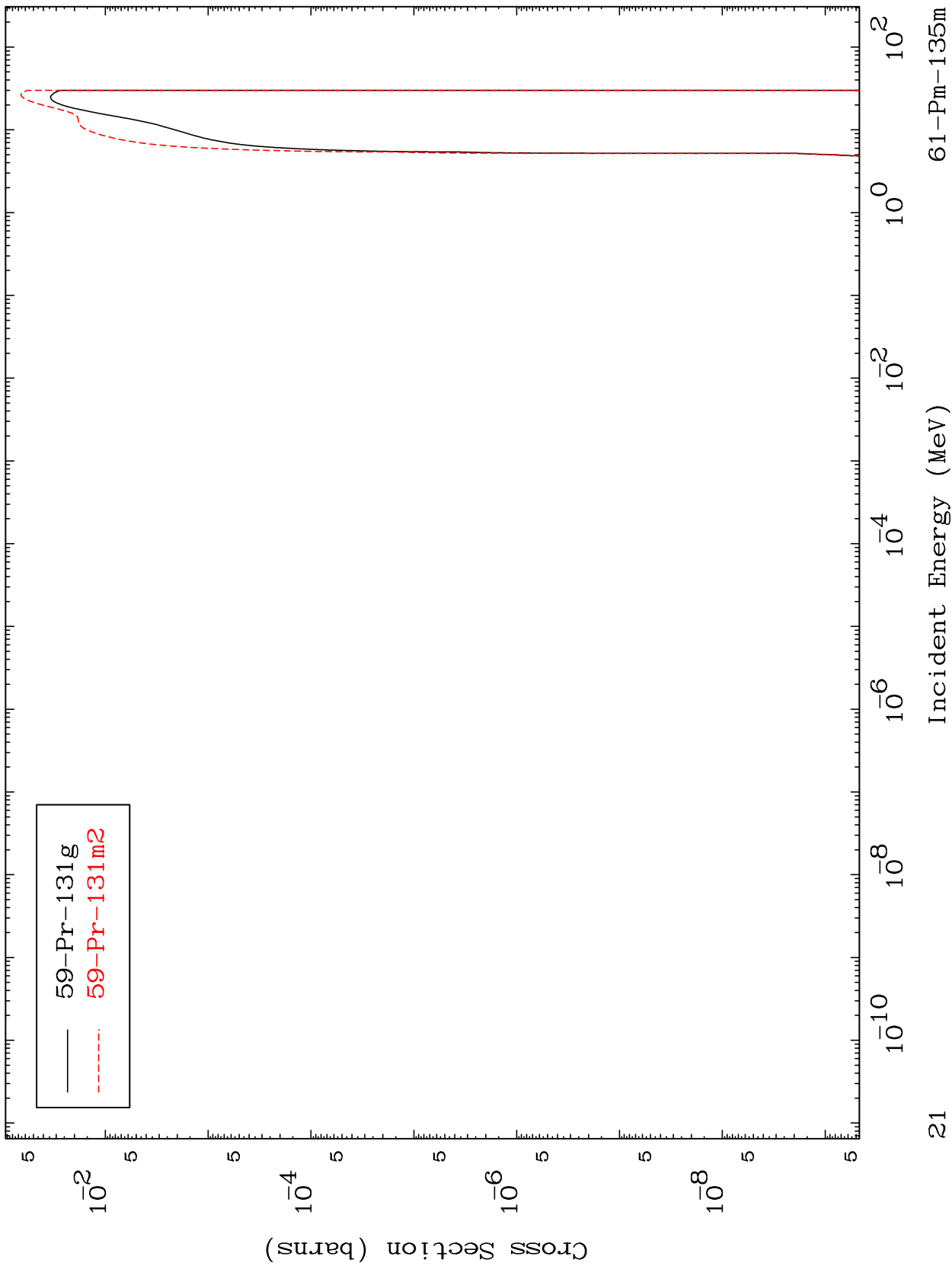
61-Pm-135m

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(n,n') α

61-Pm-135m

Radionuclide Production Cross Section

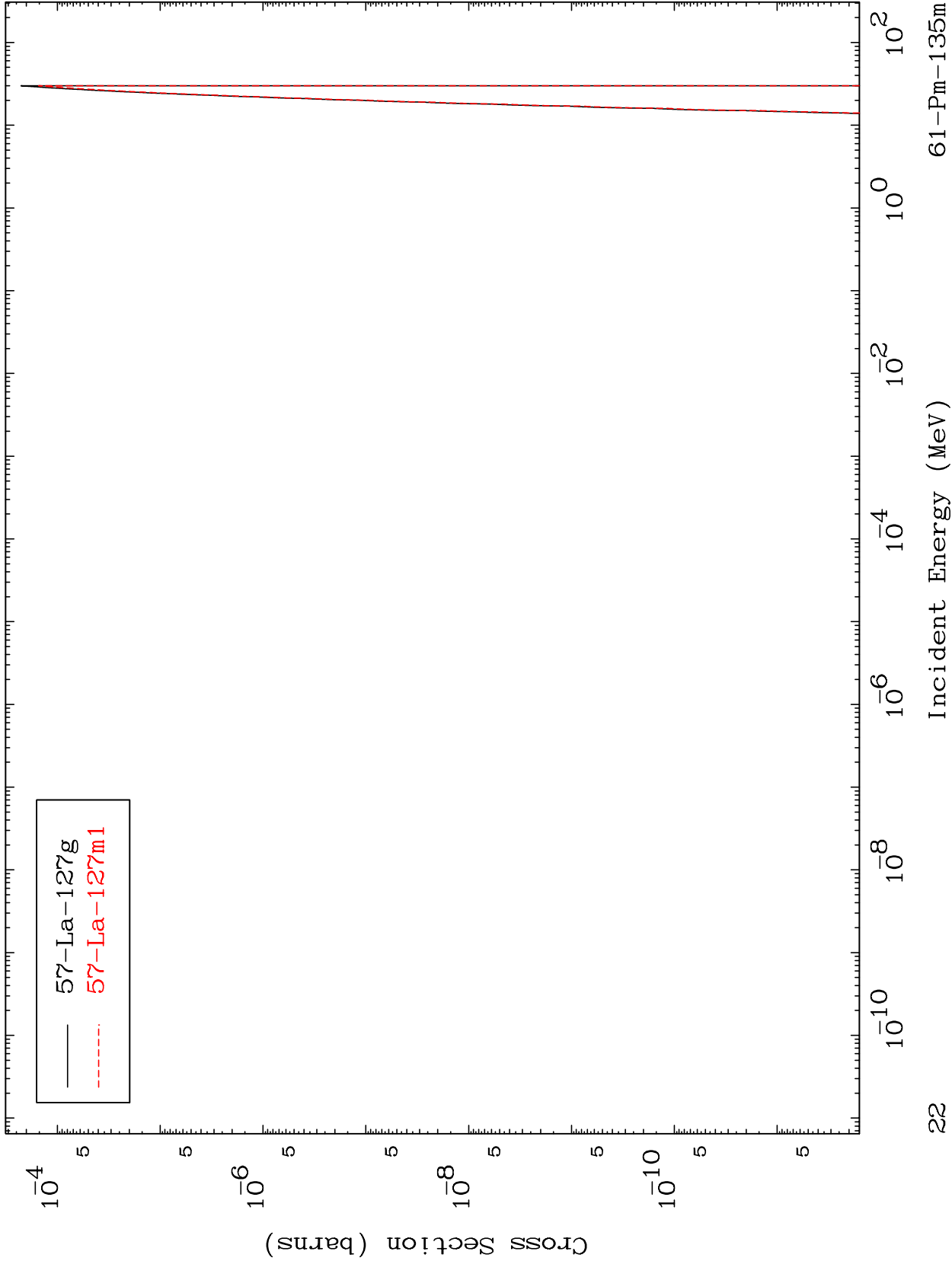


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(n,n') 2 α

61-Pm-135m

Radionuclide Production Cross Section

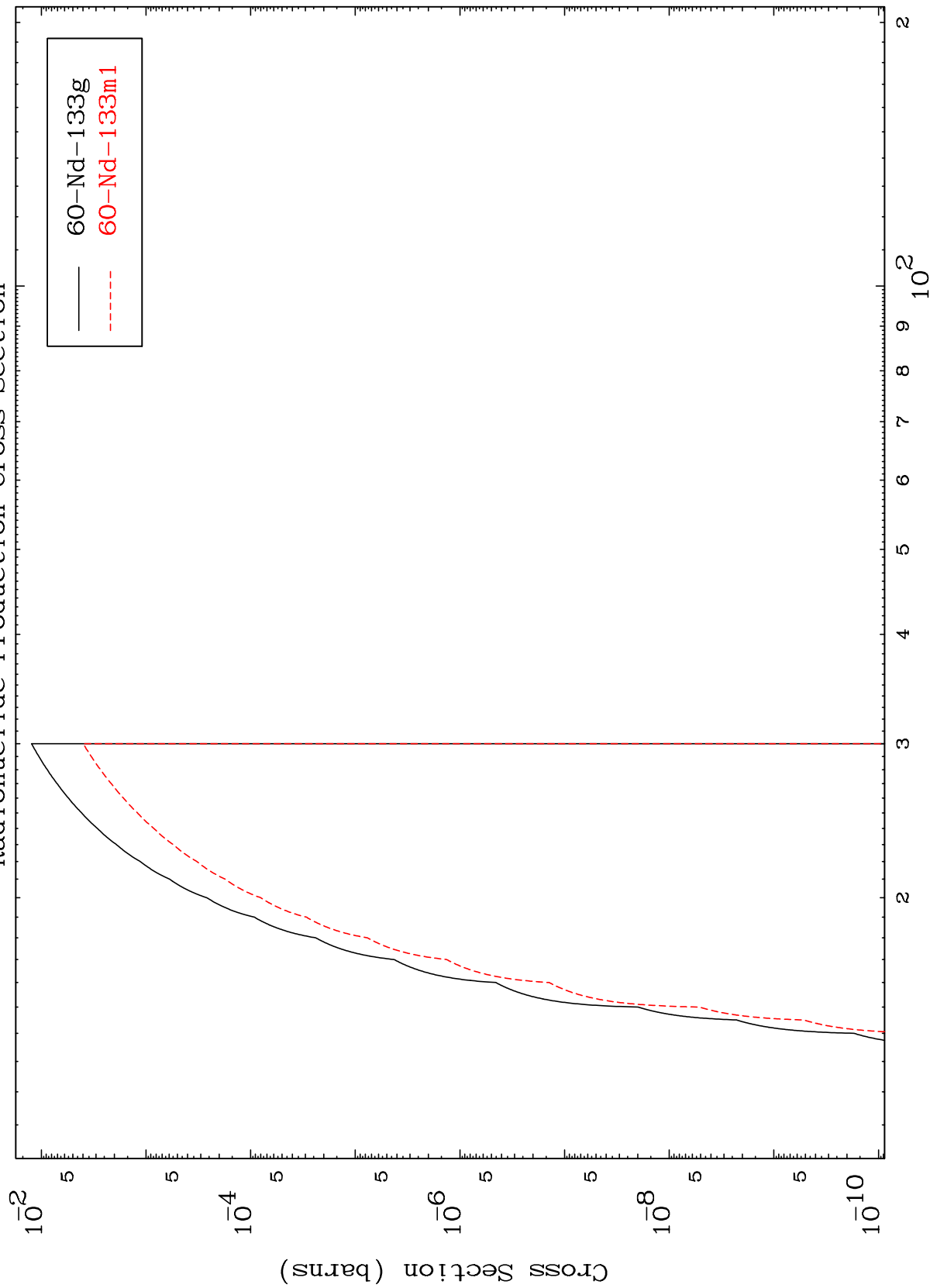


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(n,n') d

61-Pm-135m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

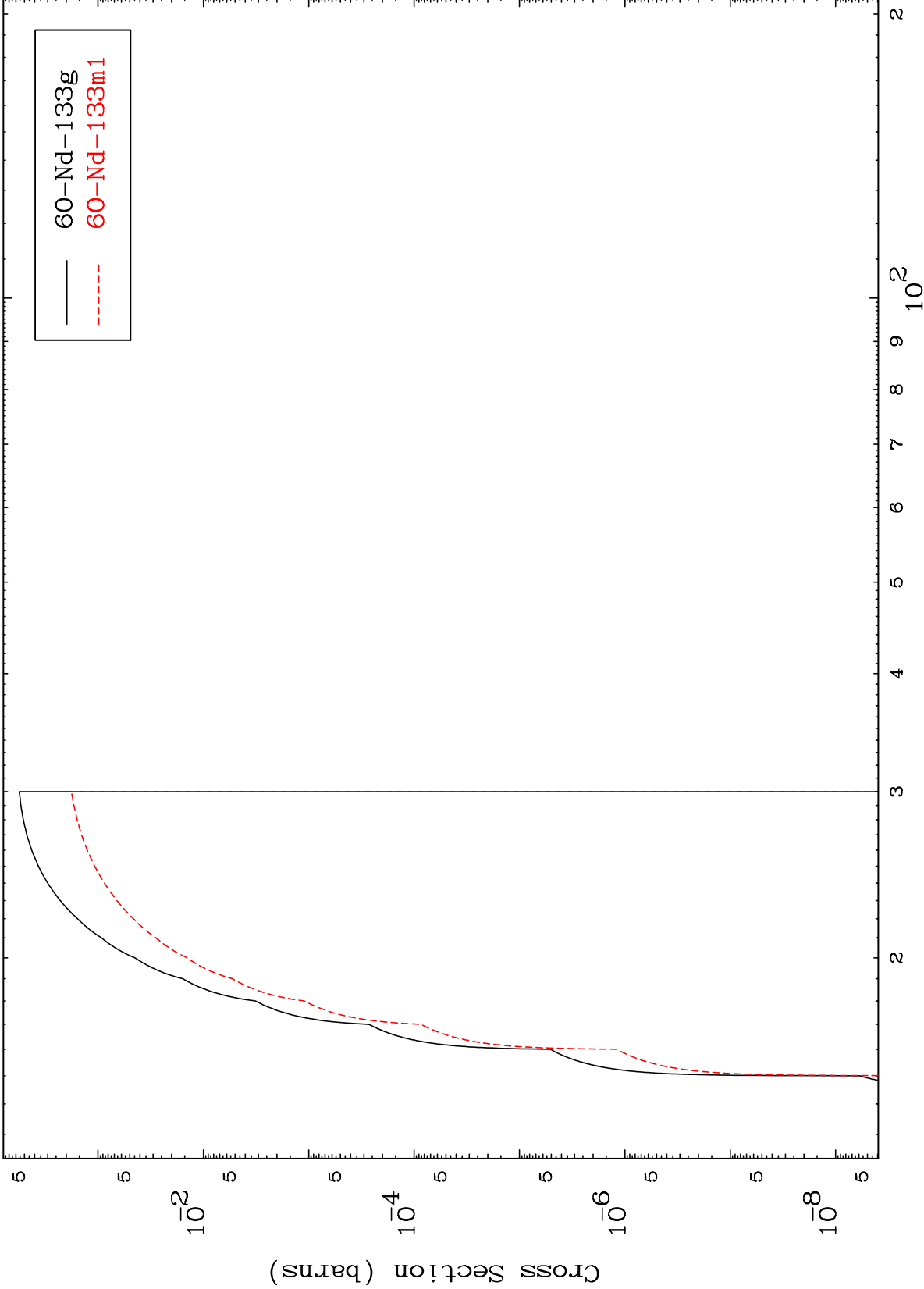
61-Pm-135m

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(n,2n) p

61-Pm-135m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

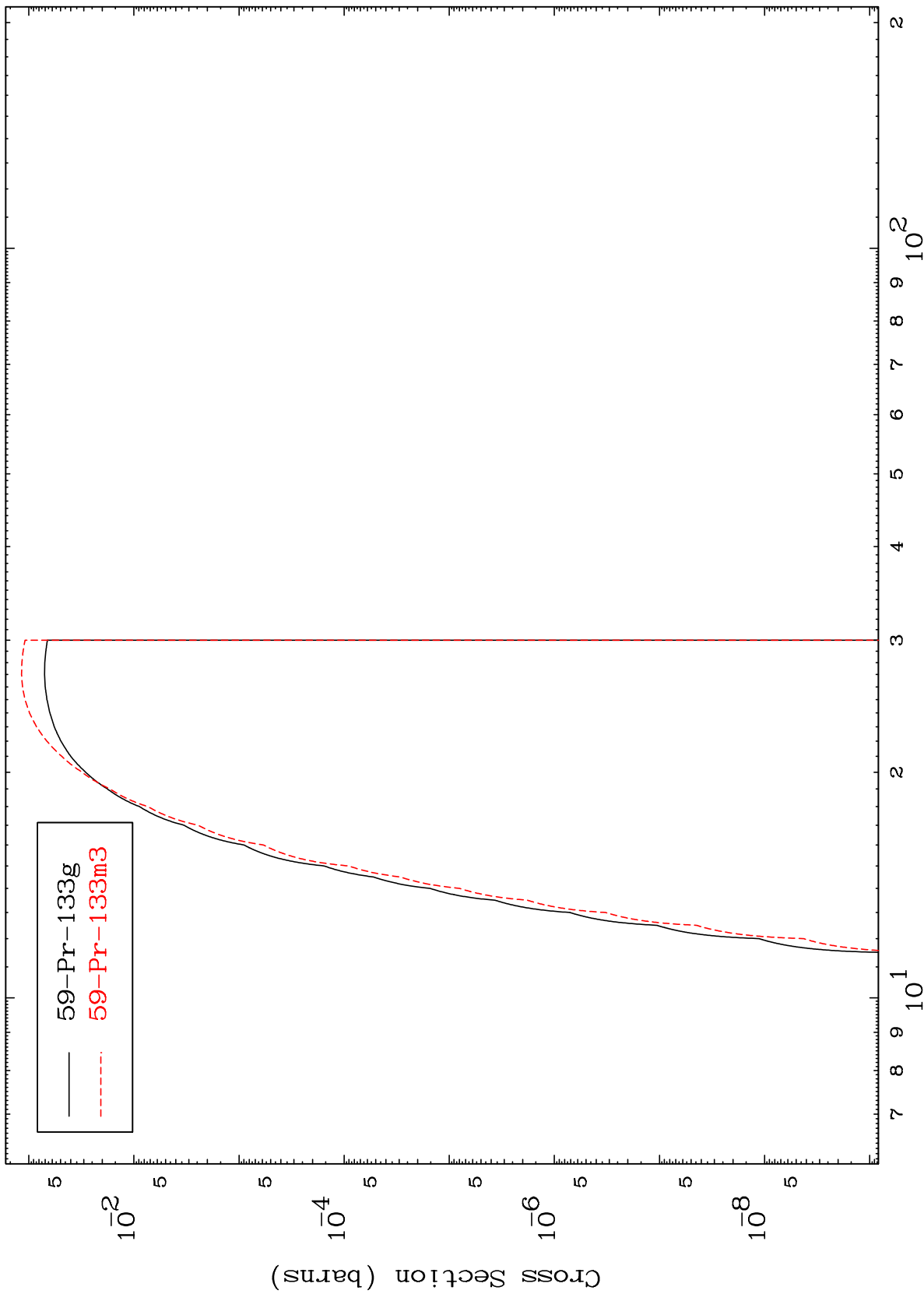
61-Pm-135m

MAT 6114

(n,2n) p

61-Pm-135m

Radionuclide Production Cross Section



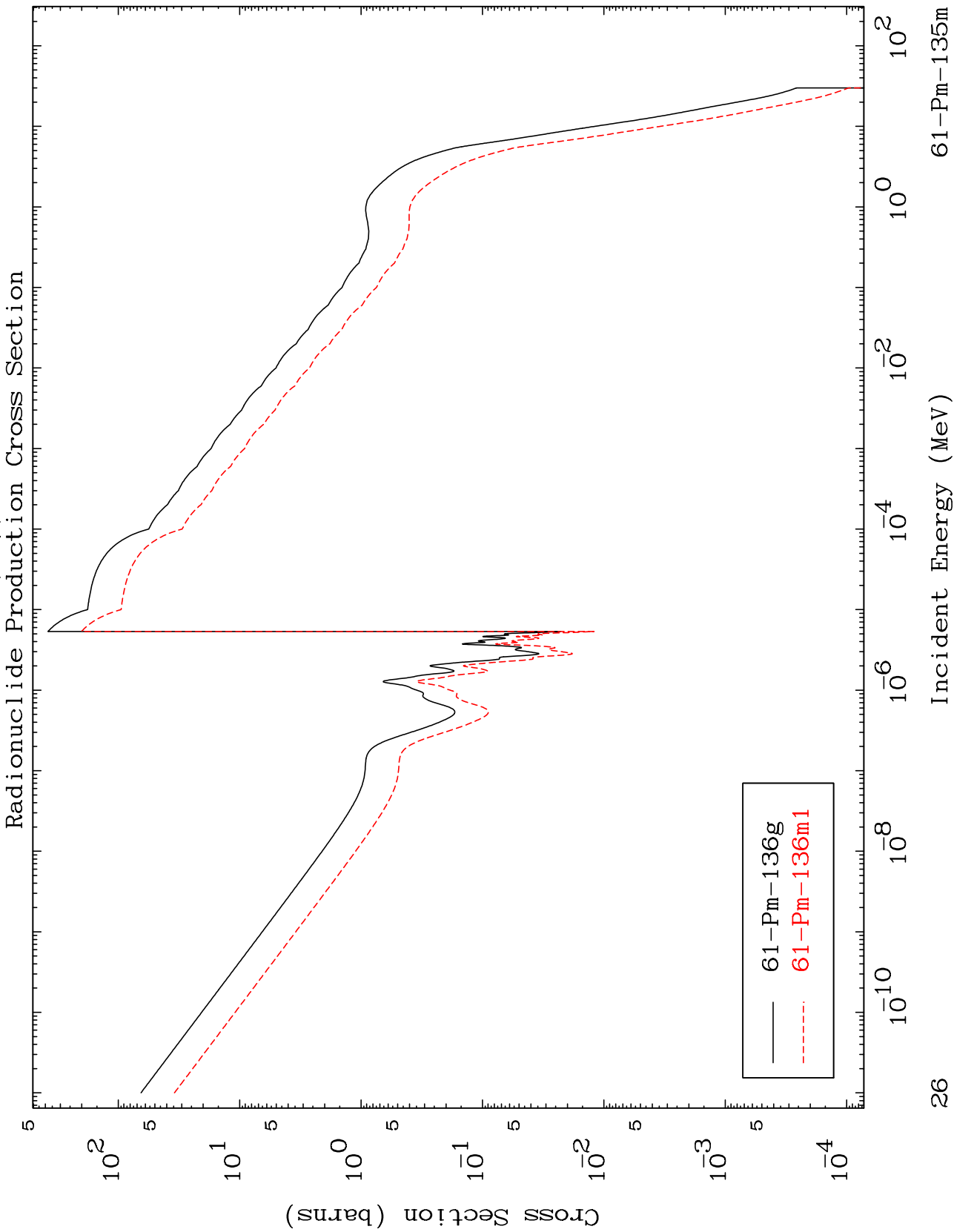
25

Incident Energy (MeV)

61-Pm-135m

MAT 6114

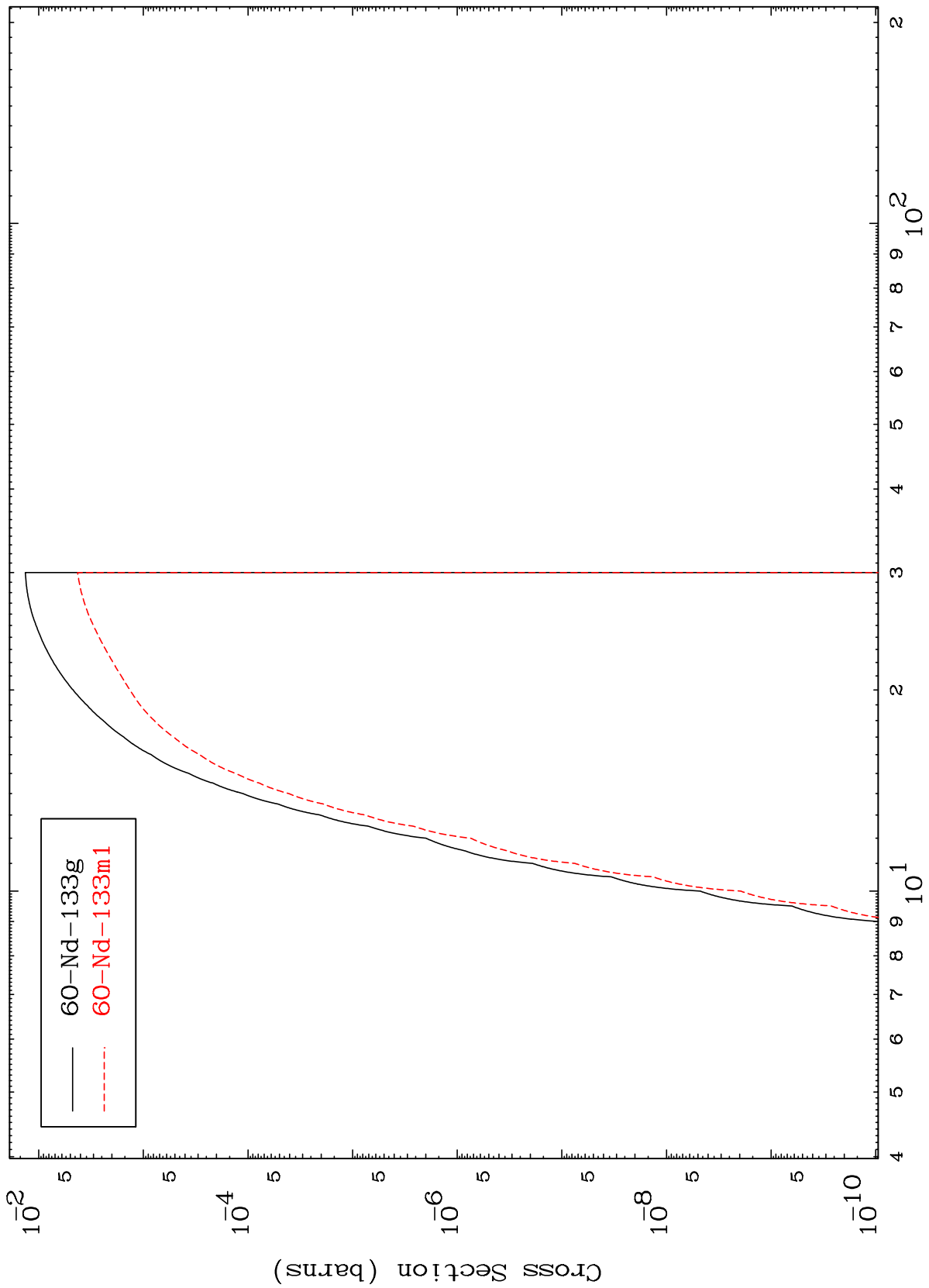
61-Pm-135m



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61-Pm-135m

(n, t)
Radionuclide Production Cross Section

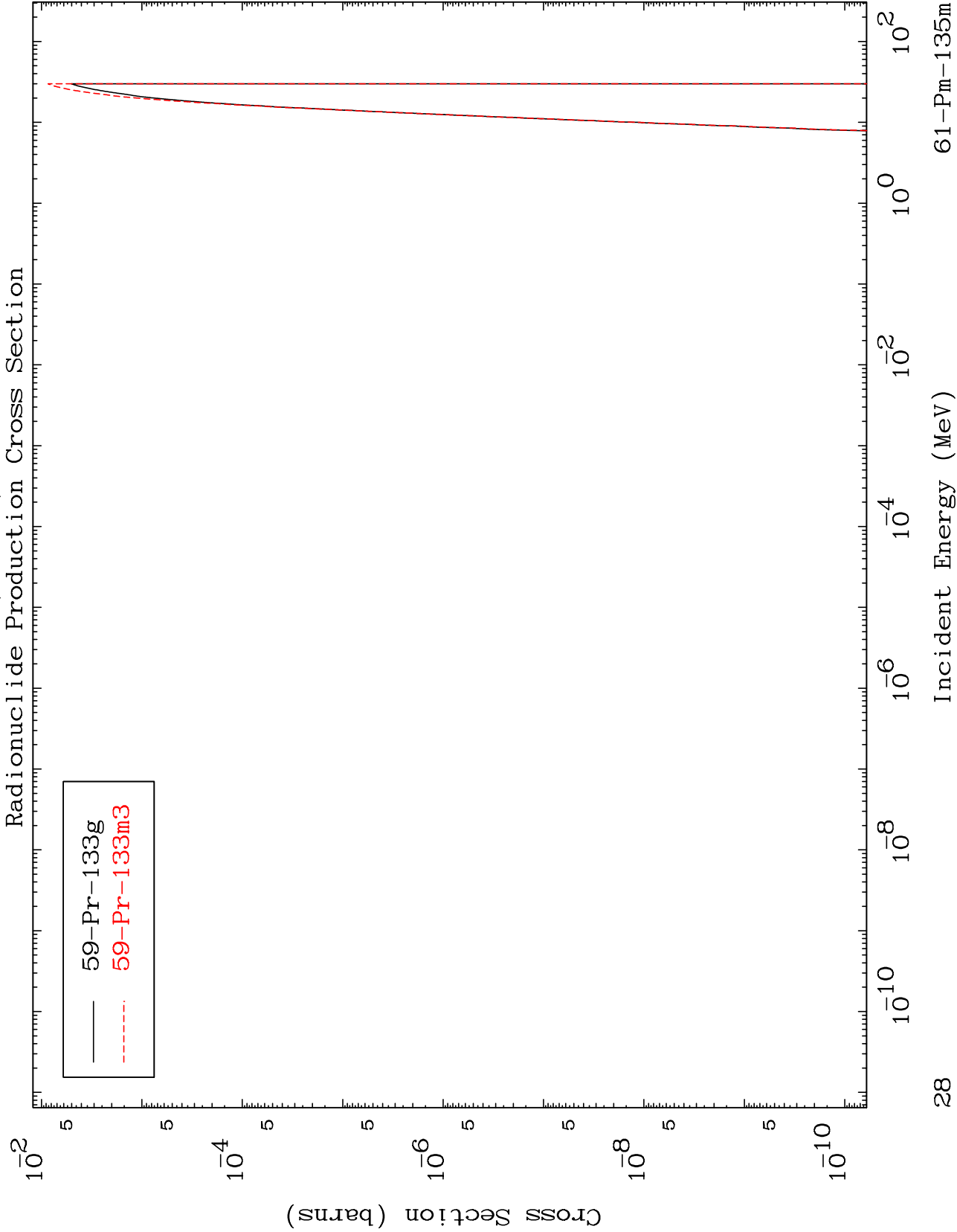


60-Nd-133g
60-Nd-133m1

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(n,He-3)

61-Pm-135m

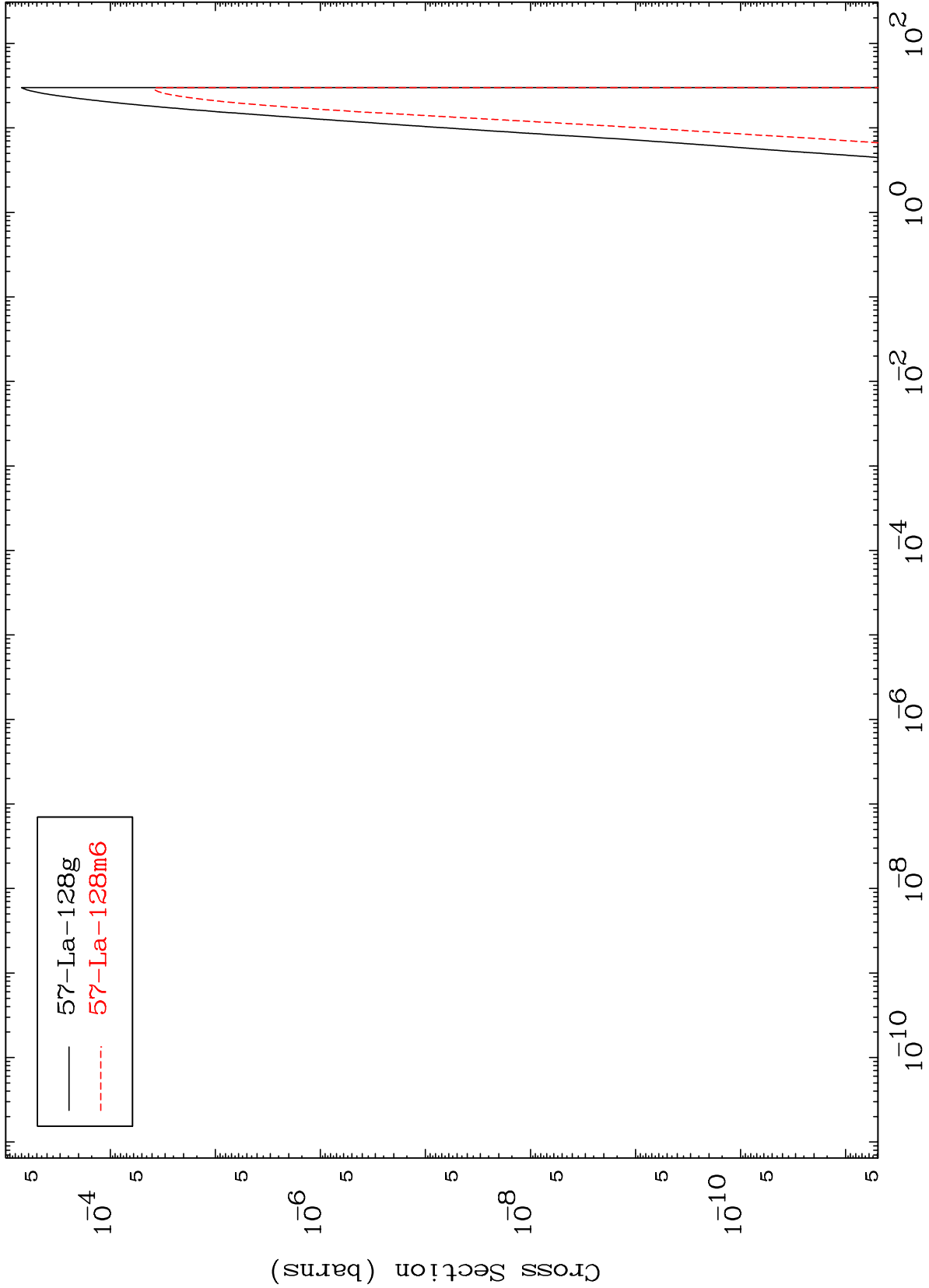


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(n,2α)

61-Pm-135m

Radionuclide Production Cross Section

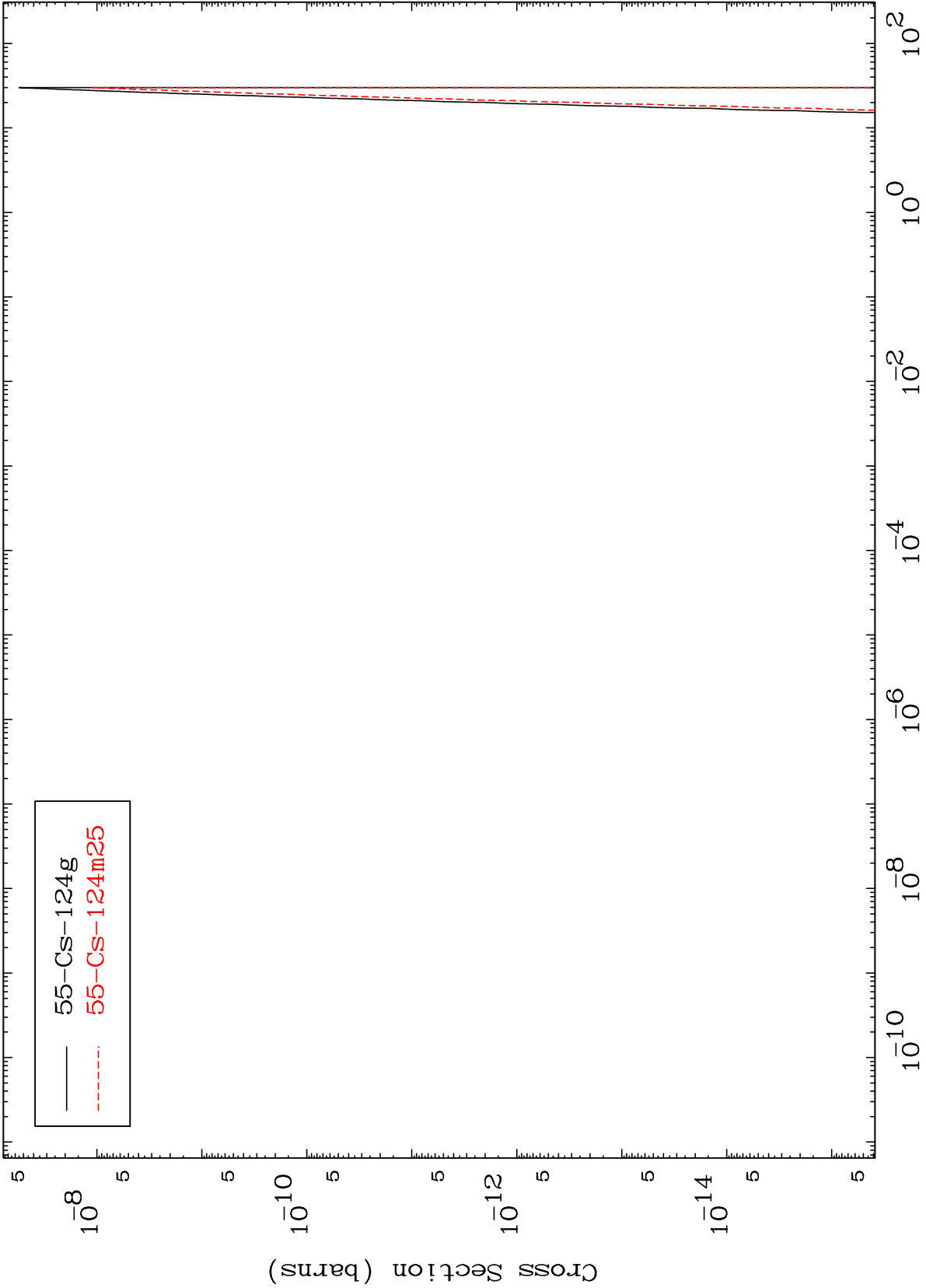


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(n, 3 α)

61-Pm-135m

Radionuclide Production Cross Section

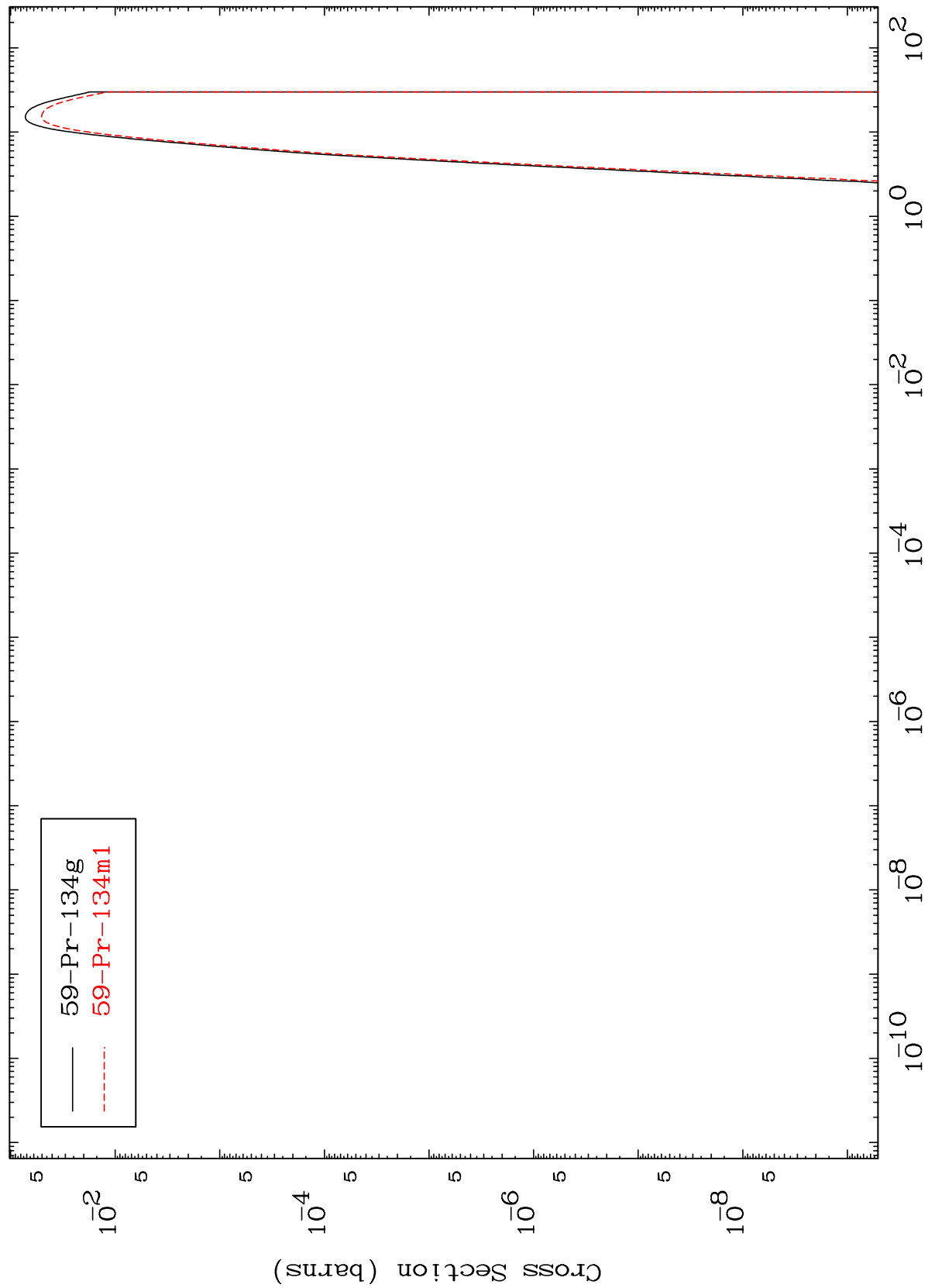


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(n,2p)

61-Pm-135m

Radionuclide Production Cross Section

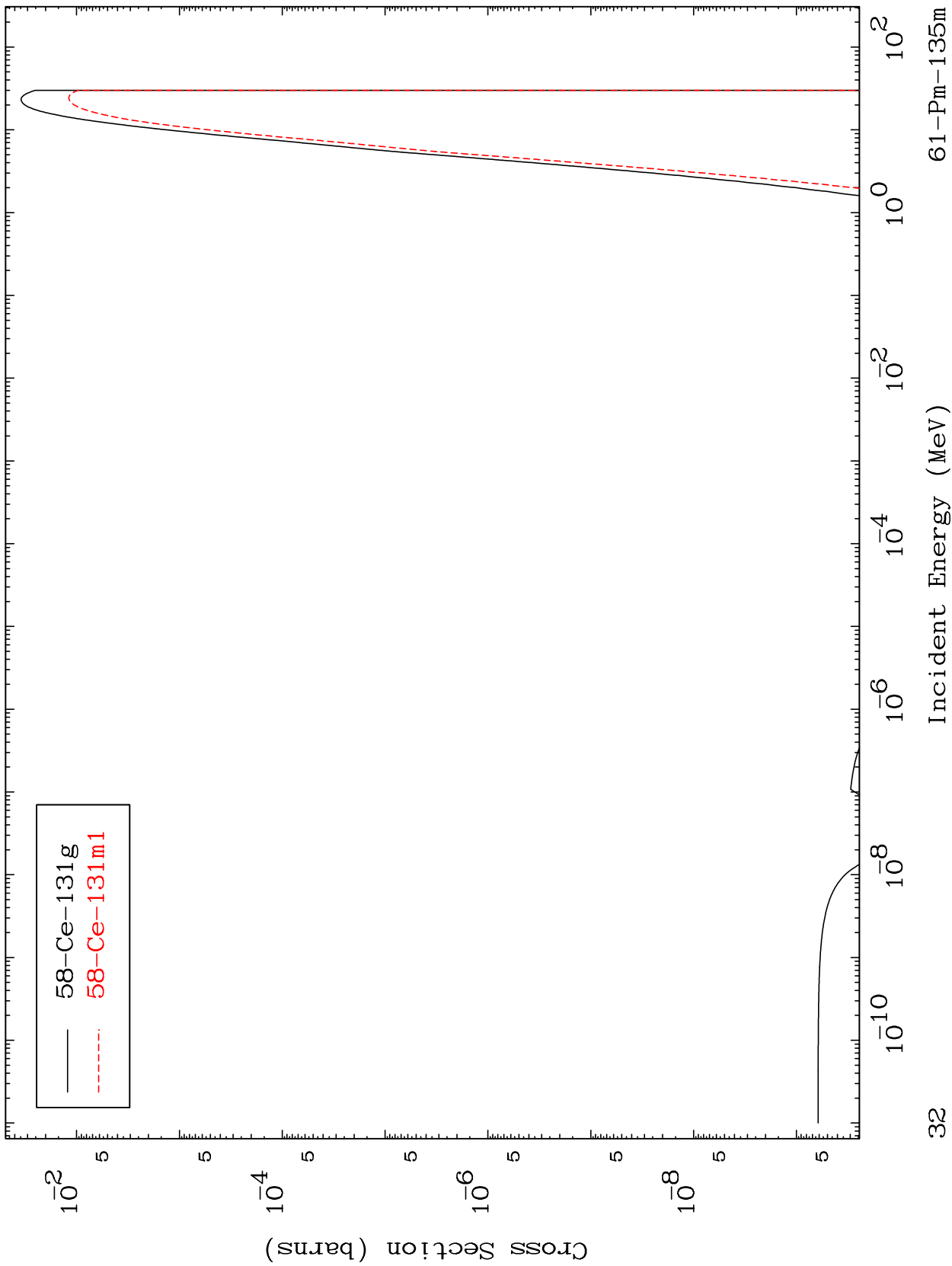


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(n,p) α

61-Pm-135m

Radionuclide Production Cross Section

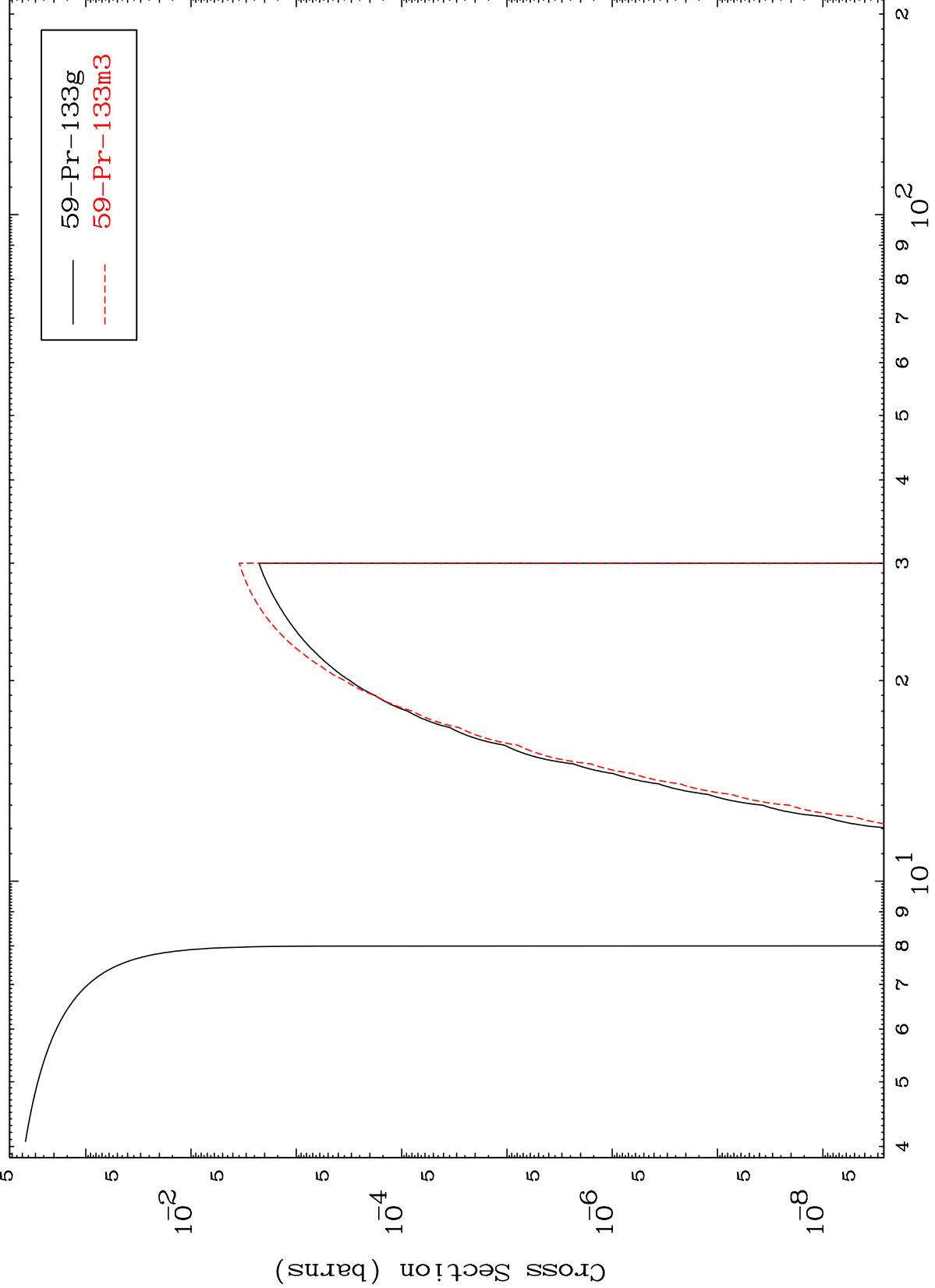


MAT 6114

(n,p) d

61-Pm-135m

Radionuclide Production Cross Section



59-Pr-133g
59-Pr-133m3

33

Incident Energy (MeV)

61-Pm-135m