

Program EVALPLOT
(Version 2015-2)

by

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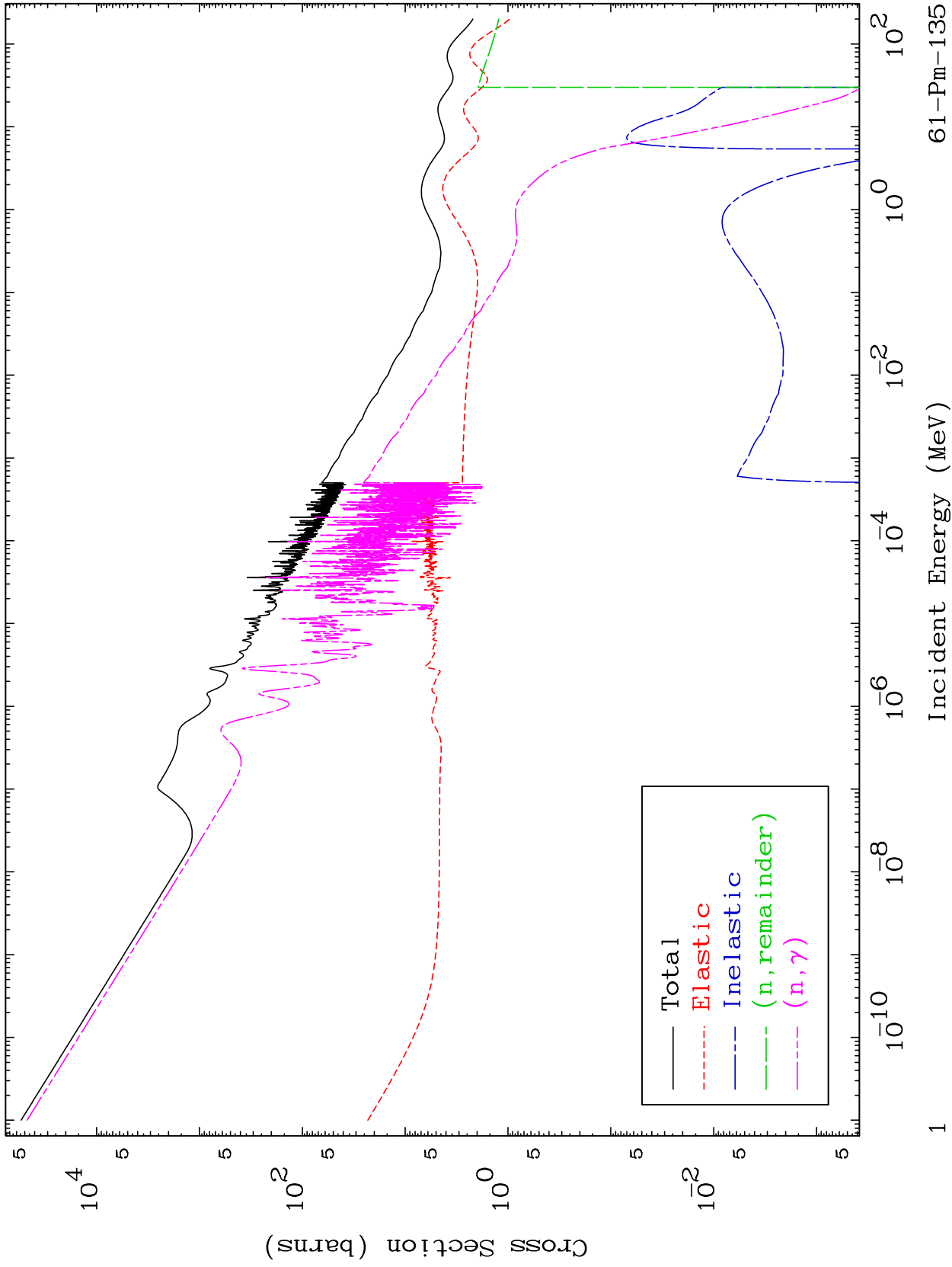
Press Mouse Button to Start

MAT 6114

Major

293 Kelvin Cross Sections

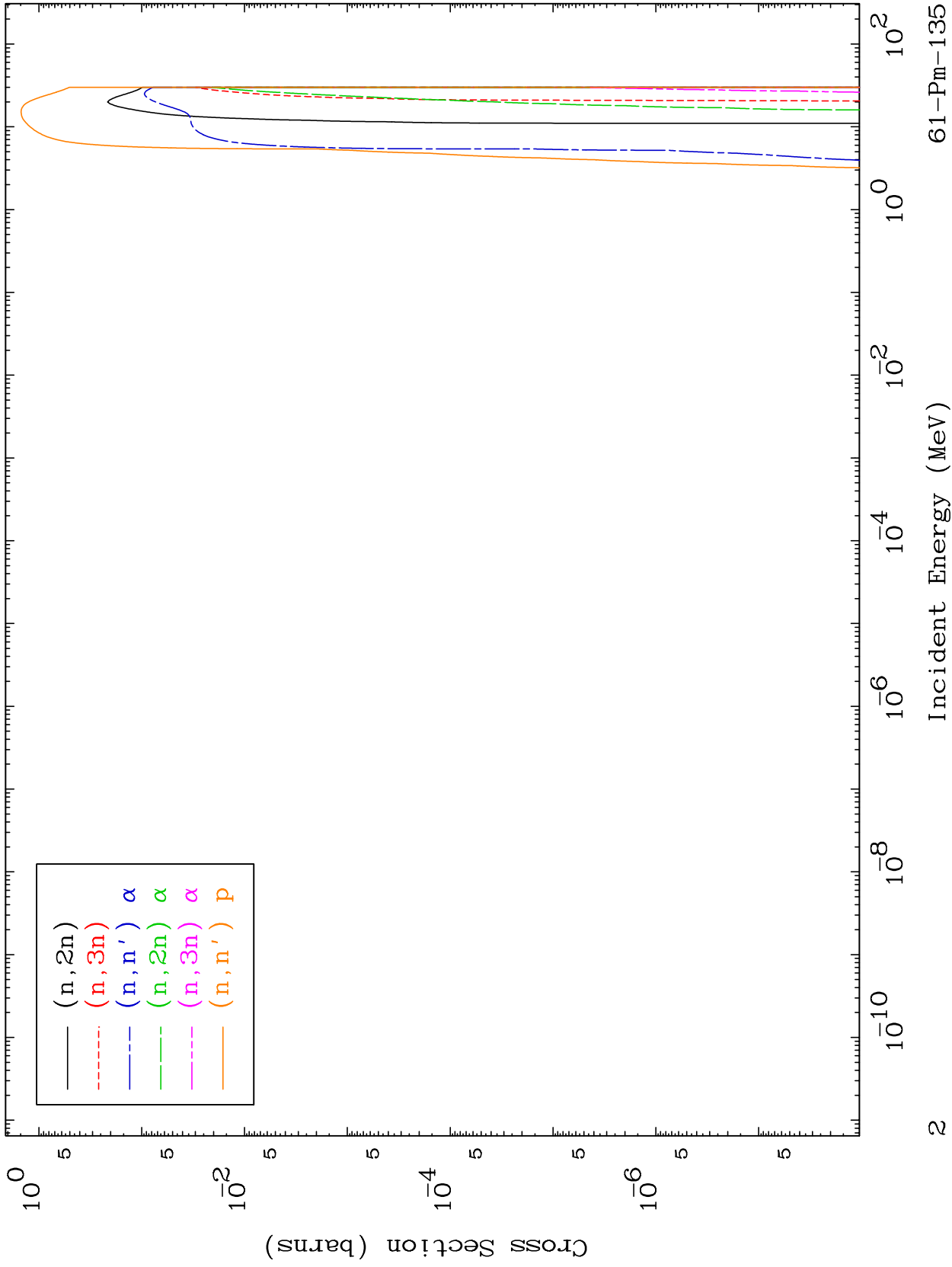
61-Pm-135



MAT 6114

Neutron Production
293 Kelvin Cross Sections

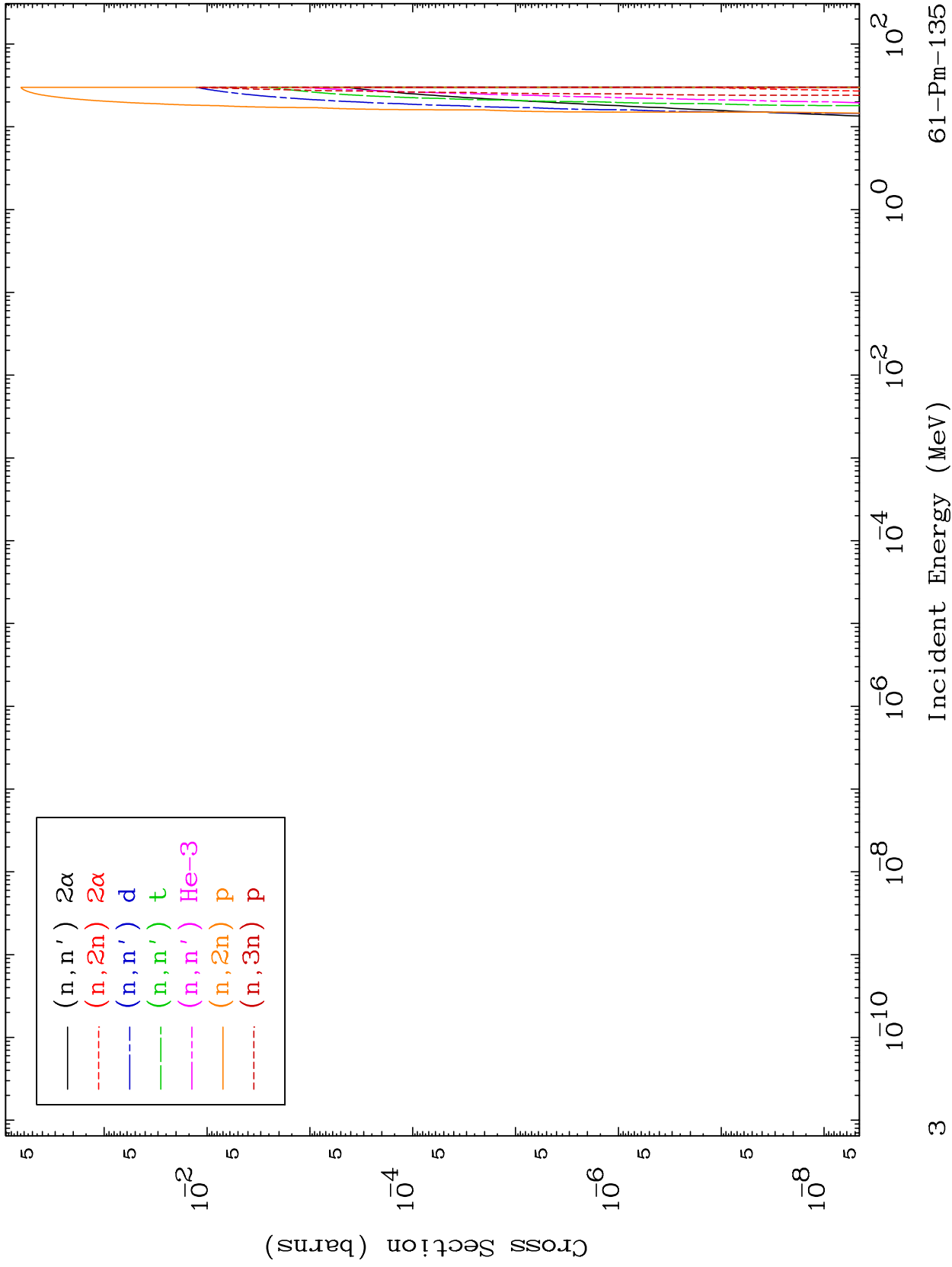
61-Pm-135



MAT 6114

Neutron Production
293 Kelvin Cross Sections

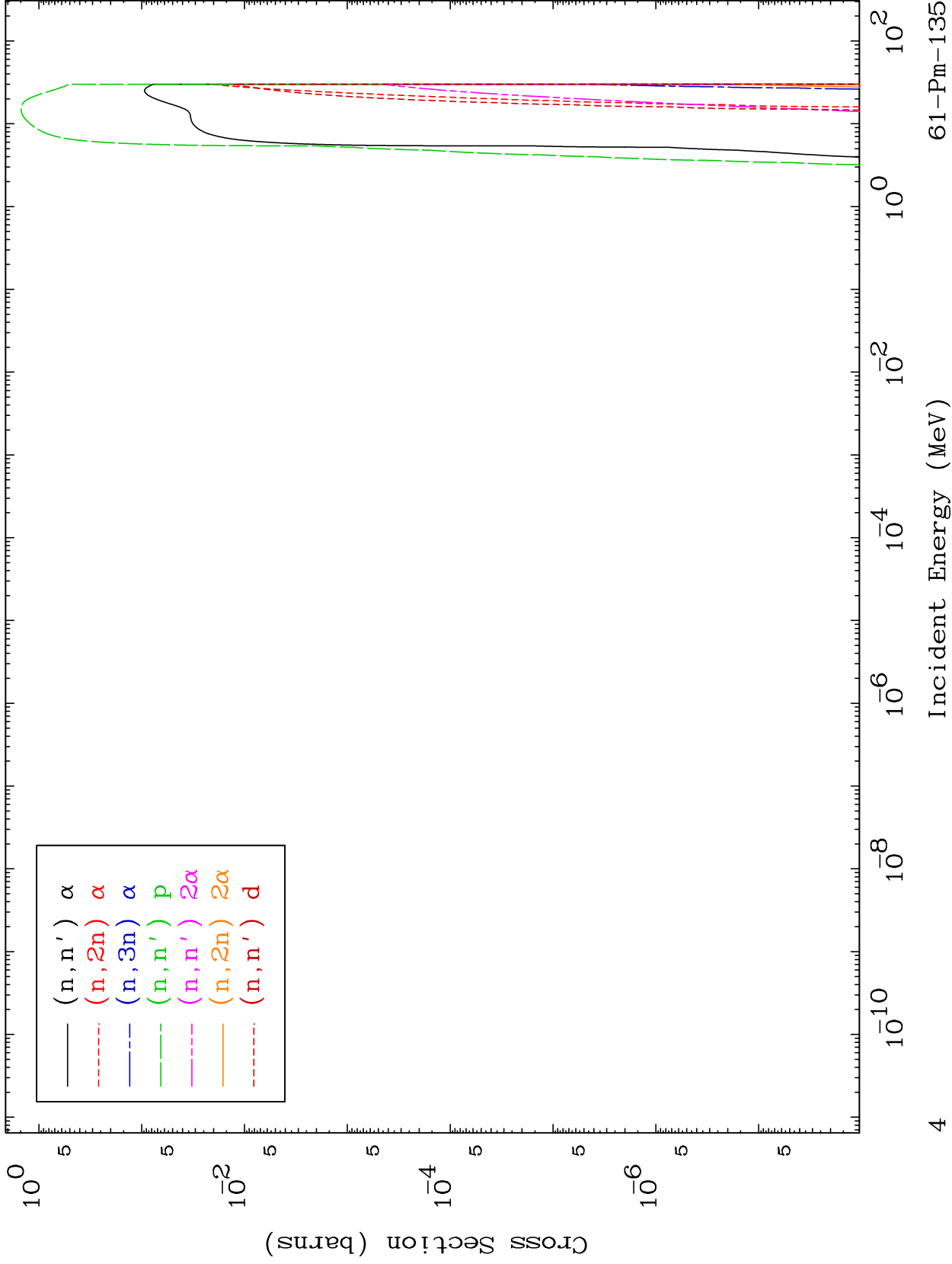
61-Pm-135



MAT 6114

Charged Particle
293 Kelvin Cross Sections

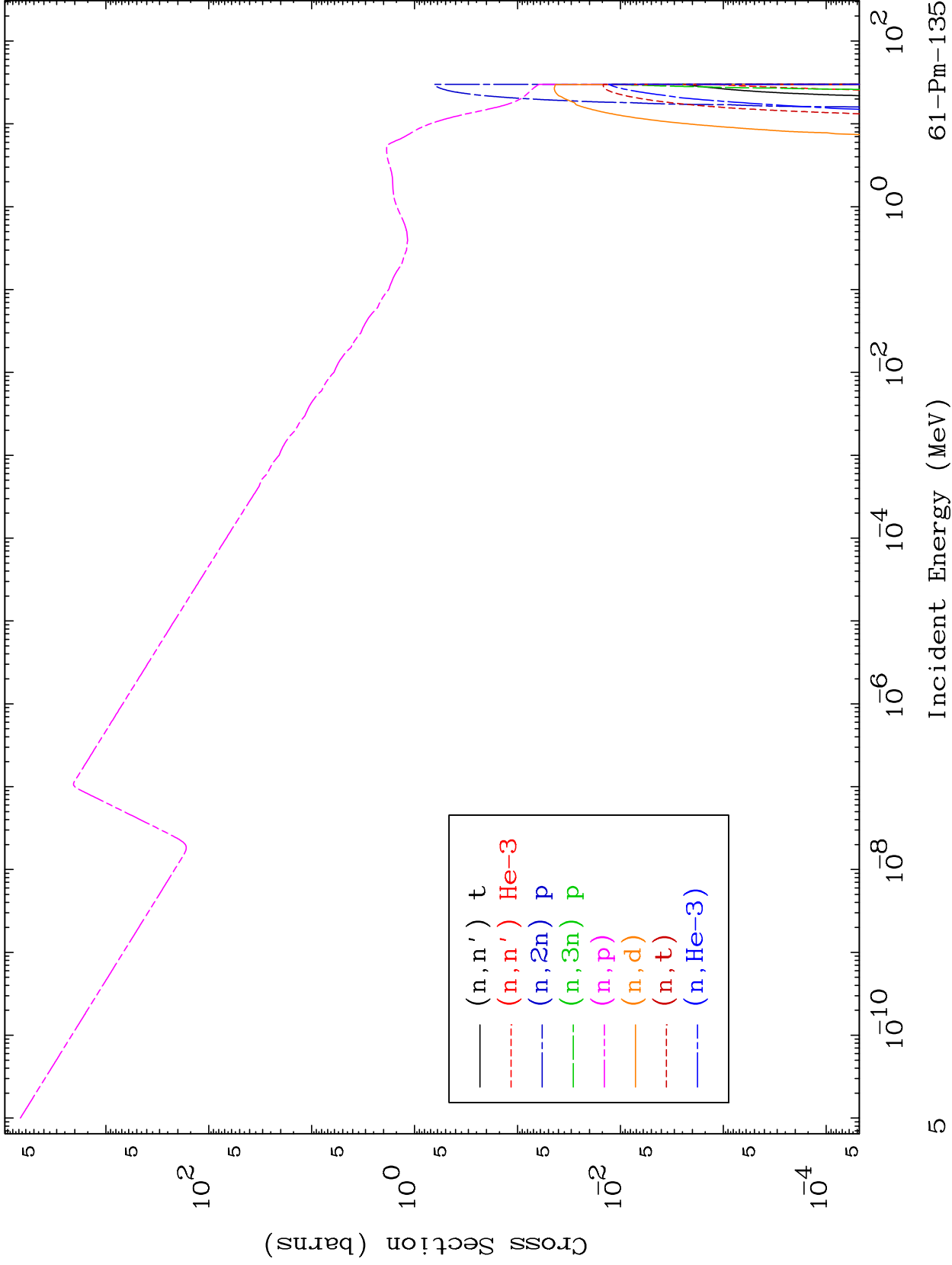
61-Pm-135



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Charged Particle
293 Kelvin Cross Sections

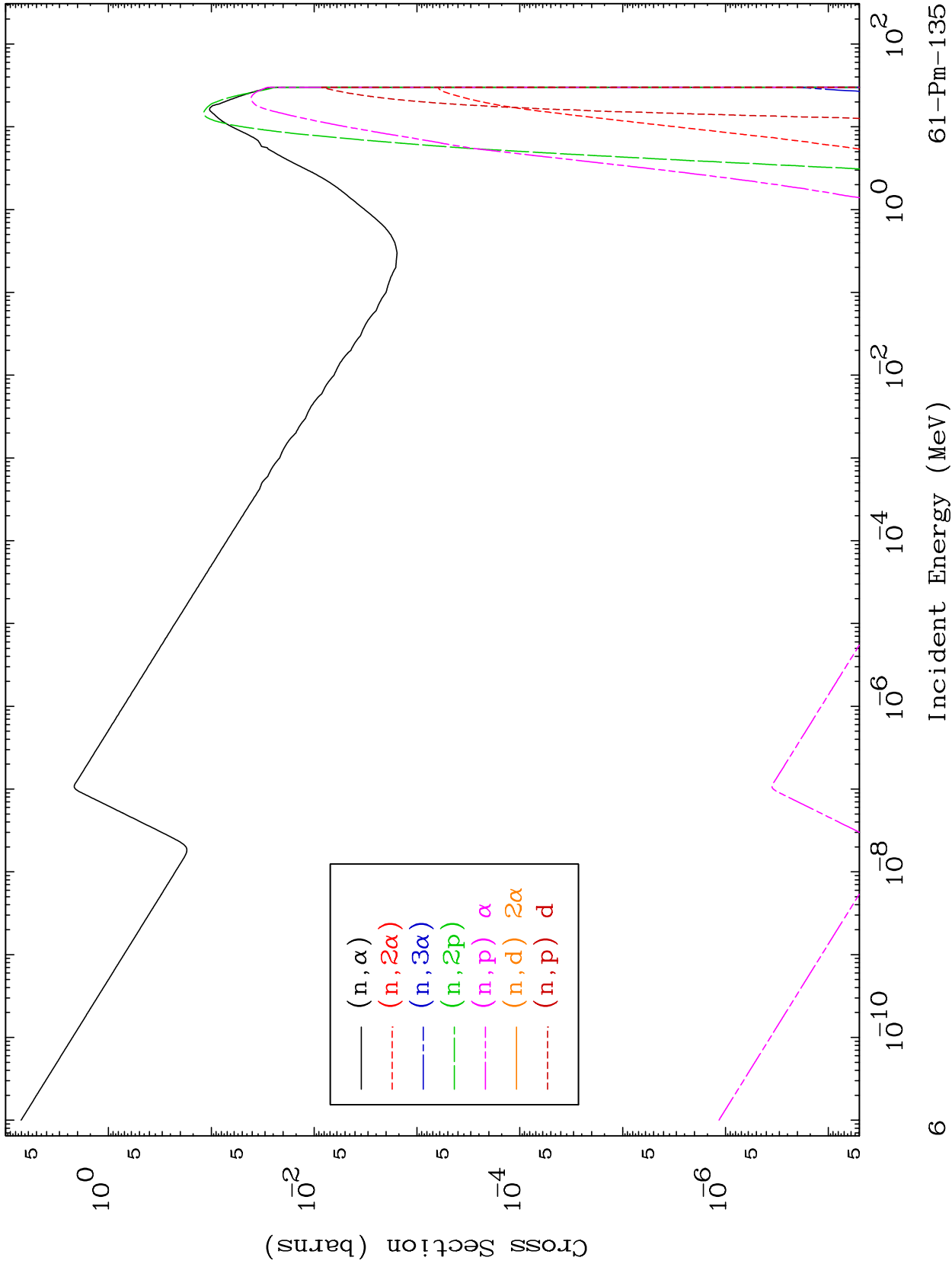
61-Pm-135



MAT 6114

Charged Particle
293 Kelvin Cross Sections

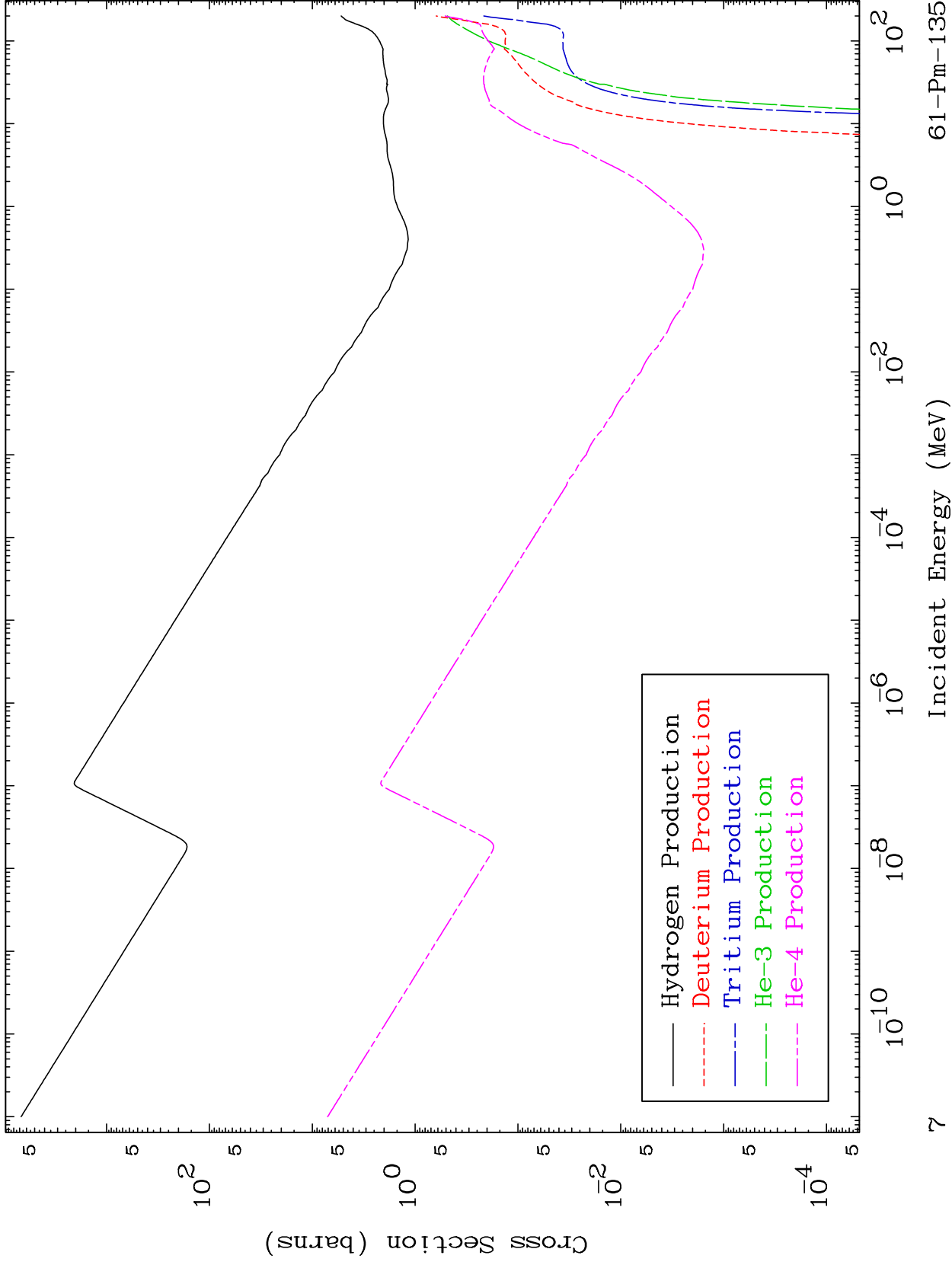
61-Pm-135



MAT 6114

Particle Production
293 Kelvin Cross Sections

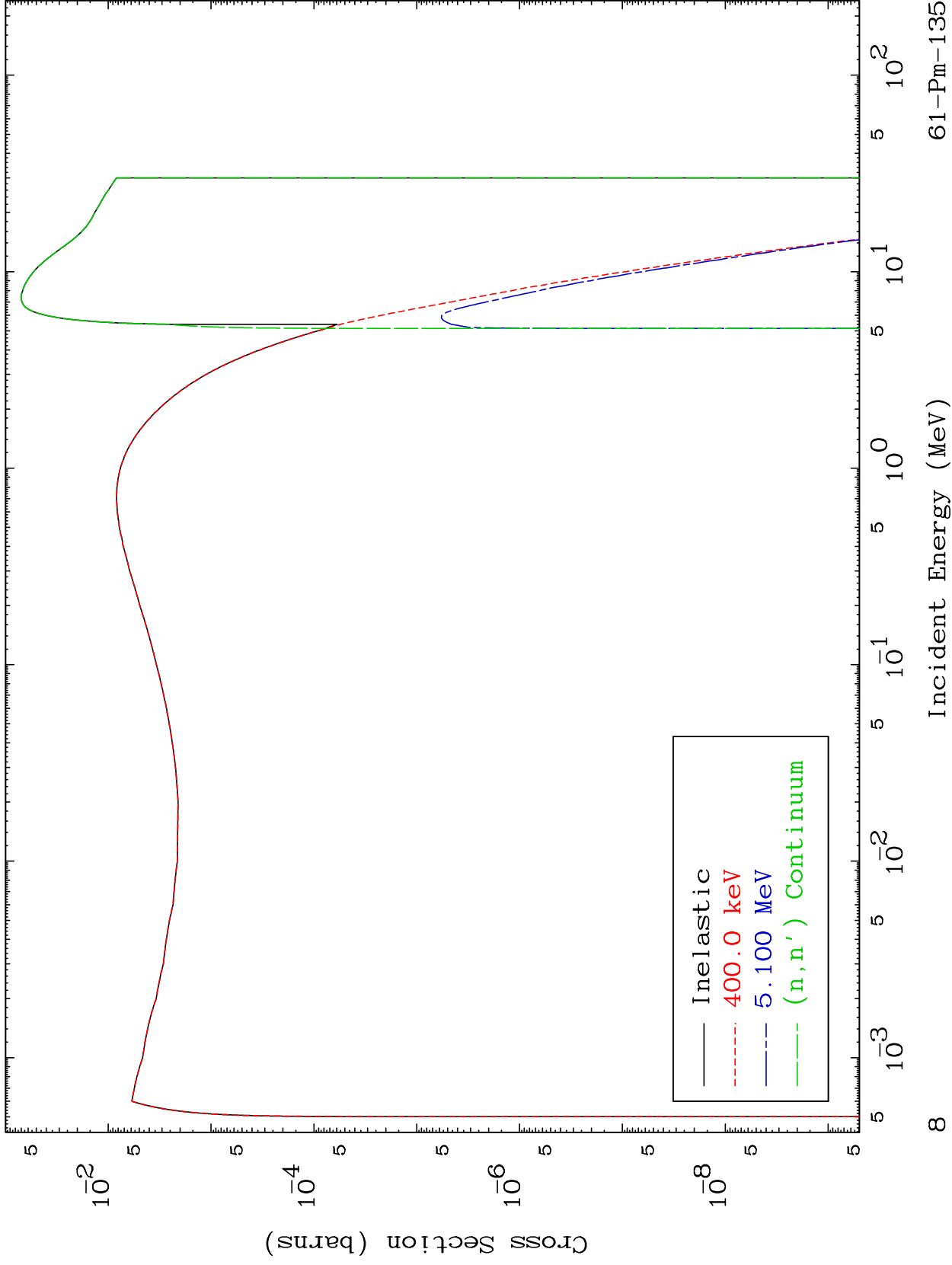
61-Pm-135



MAT 6114

(n,n') Level
293 Kelvin Cross Sections

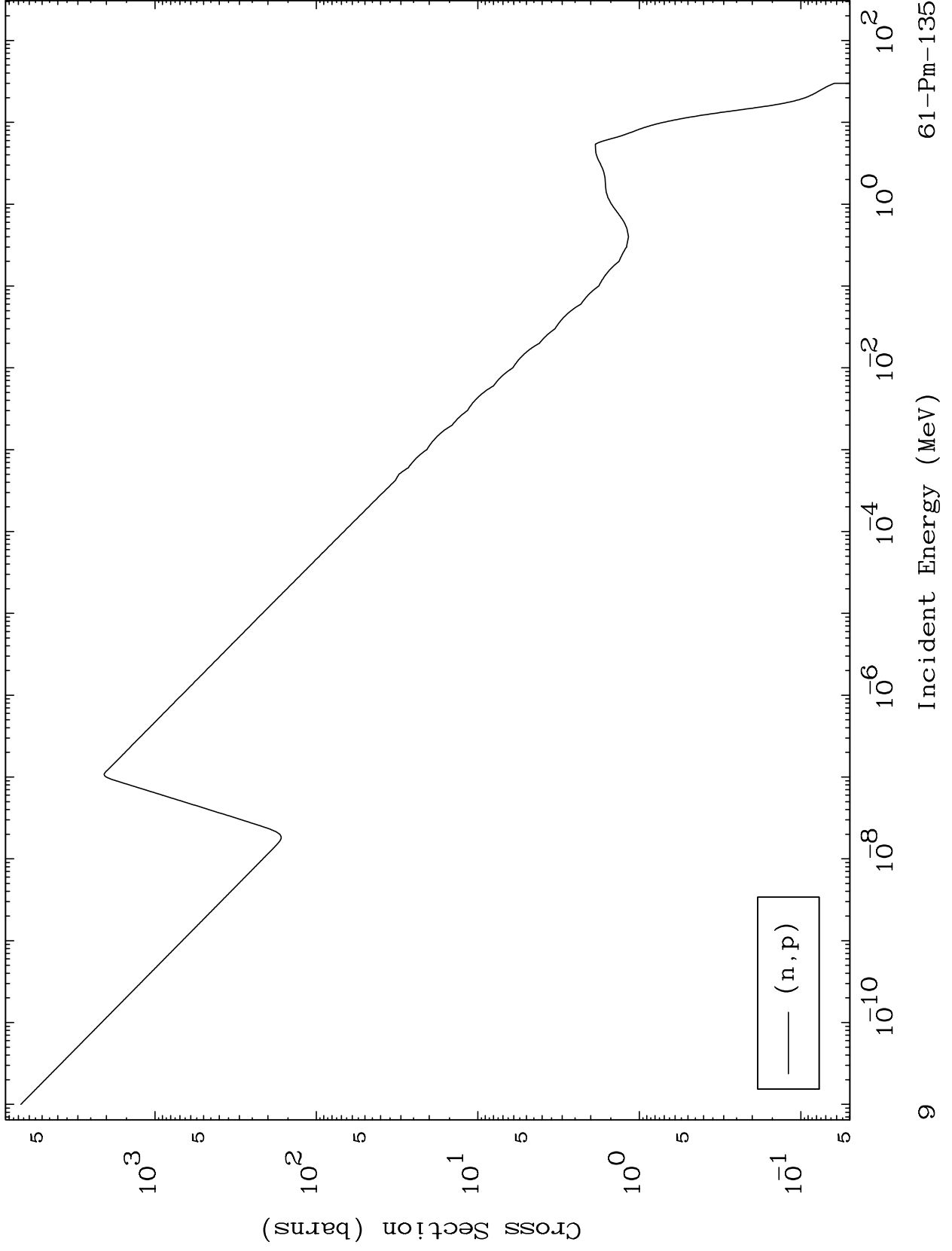
61-Pm-135



MAT 6114

(n,p) Levels
293 Kelvin Cross Sections

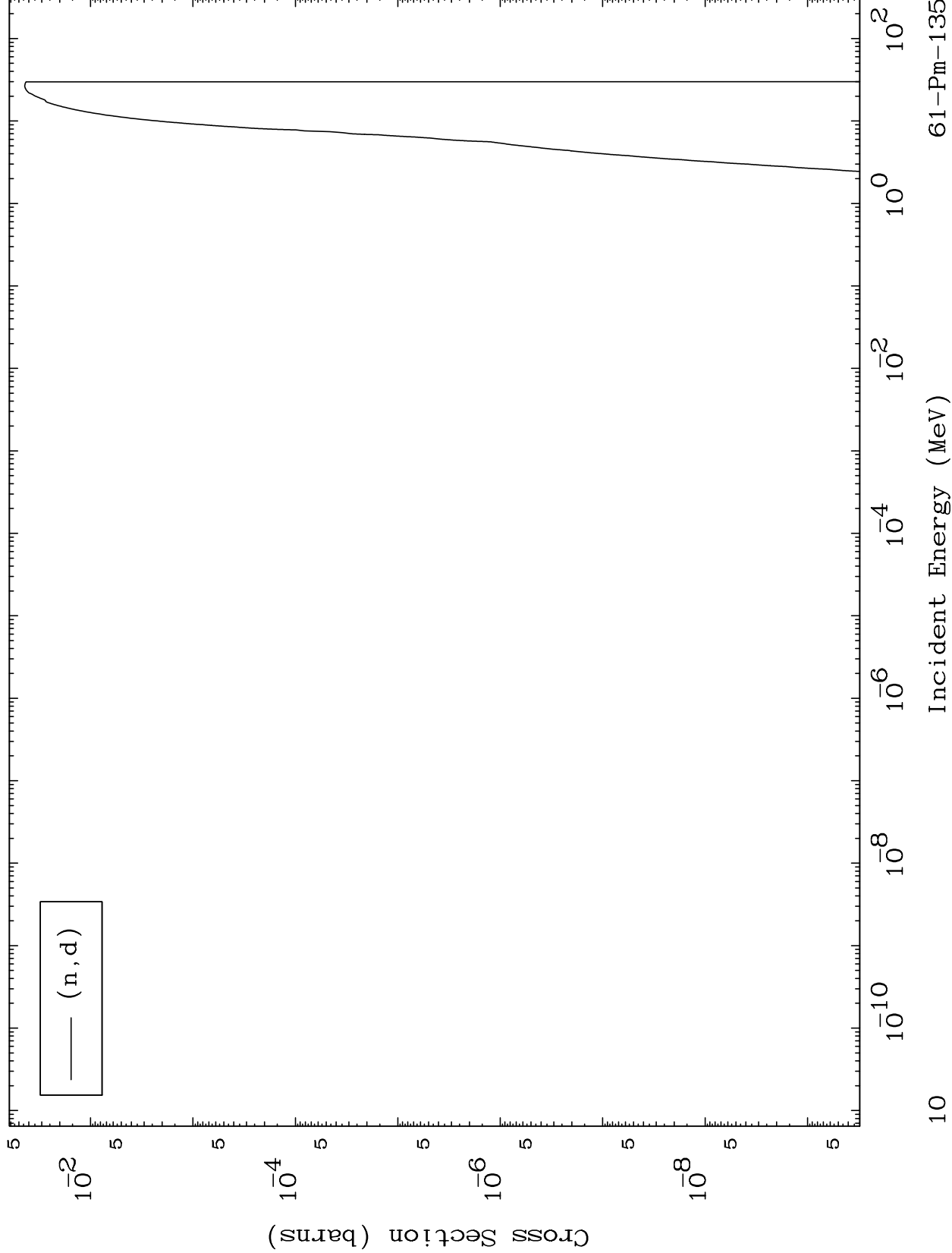
61-Pm-135



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(n,d) Levels
293 Kelvin Cross Sections

61-Pm-135



10

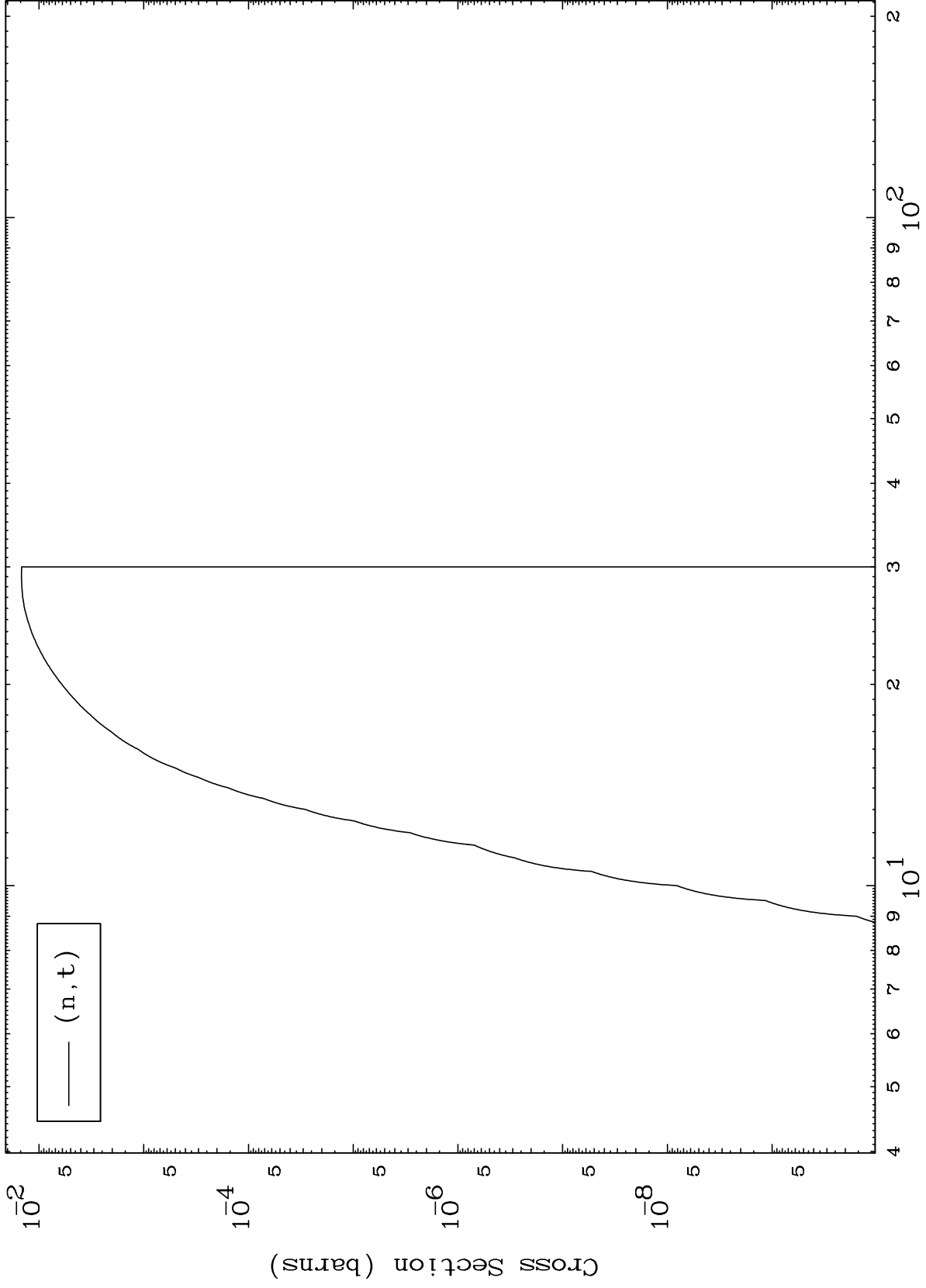
Incident Energy (MeV)

61-Pm-135

MAT 6114

(n,t) Levels
293 Kelvin Cross Sections

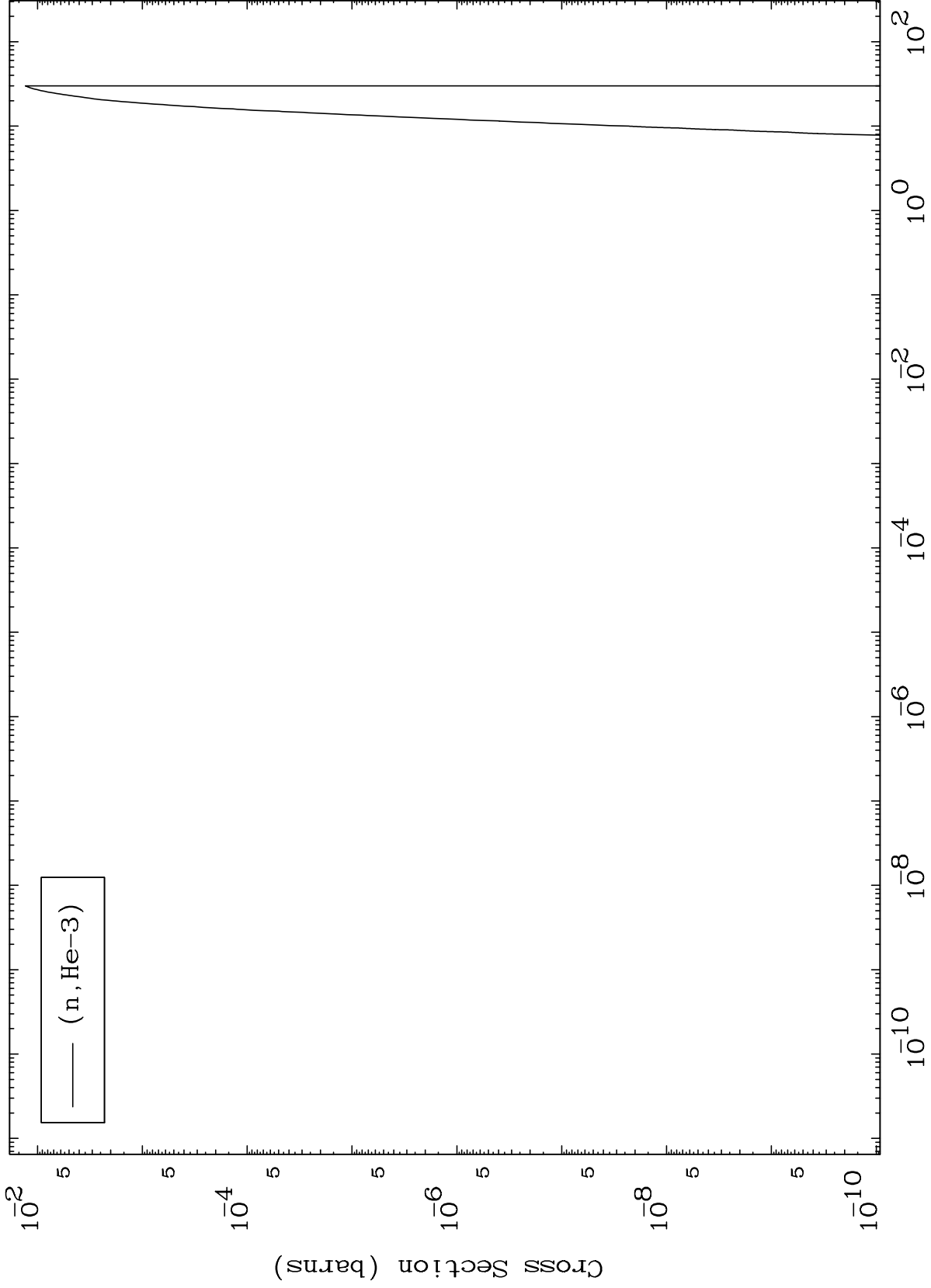
61-Pm-135



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(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-135



12

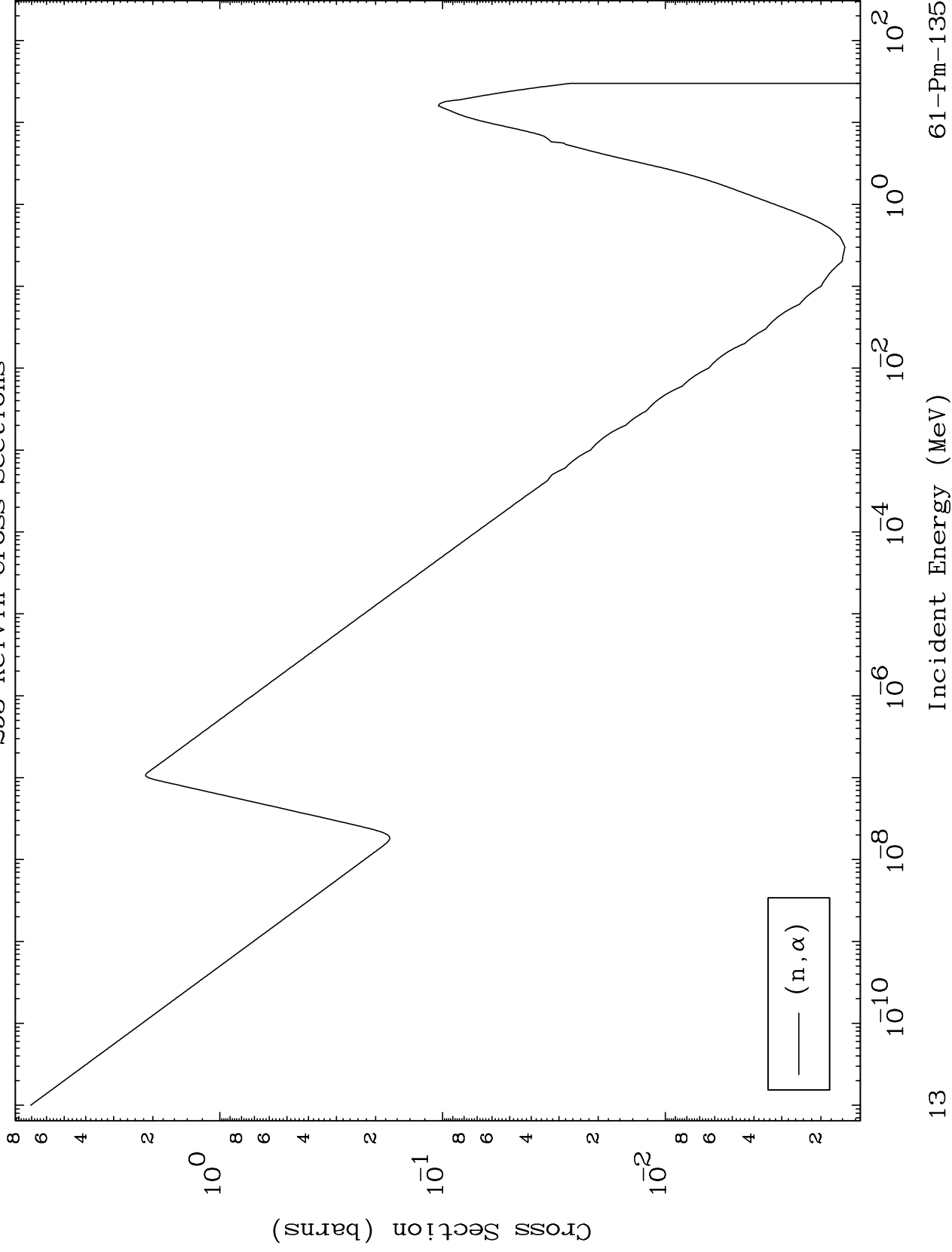
Incident Energy (MeV)

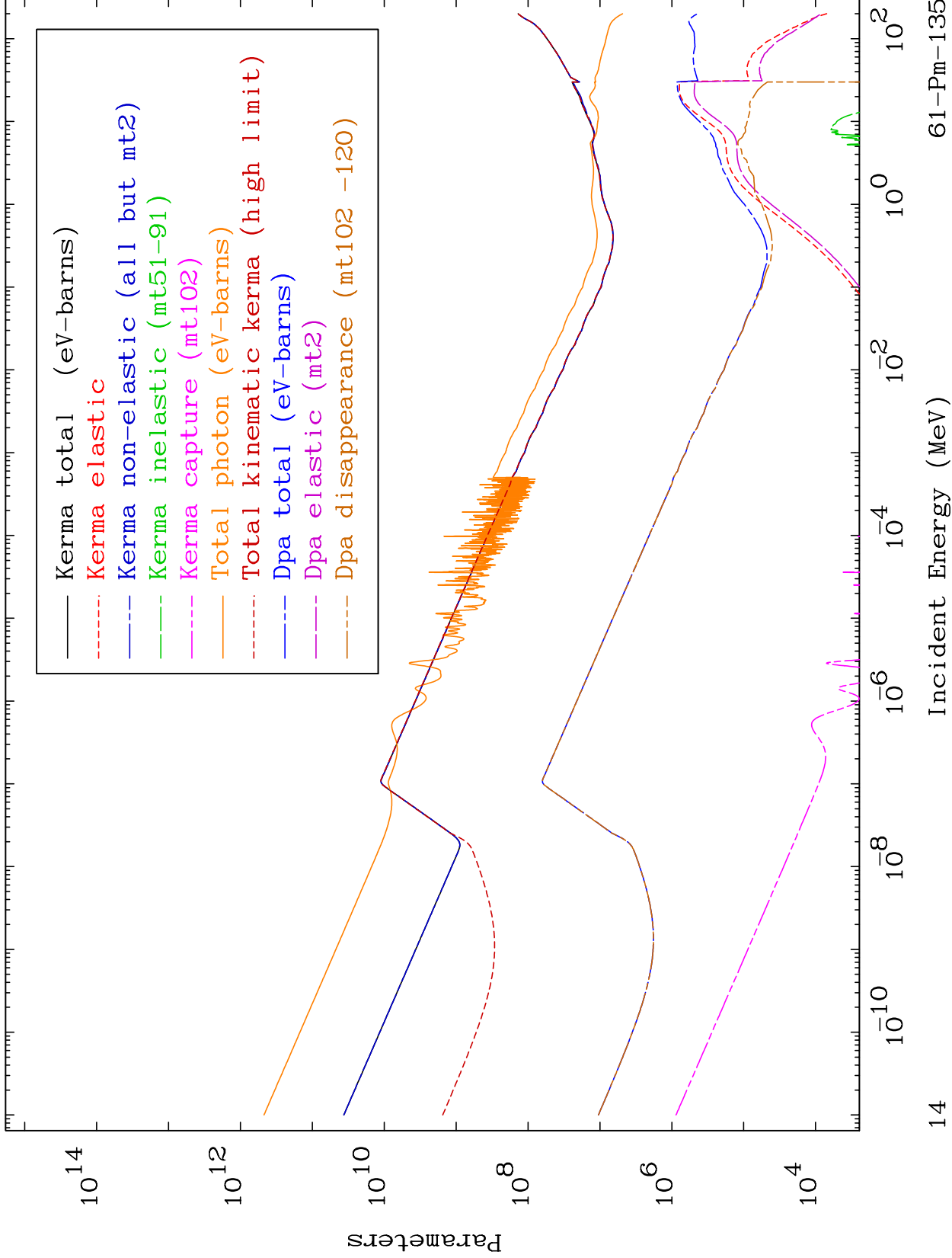
61-Pm-135

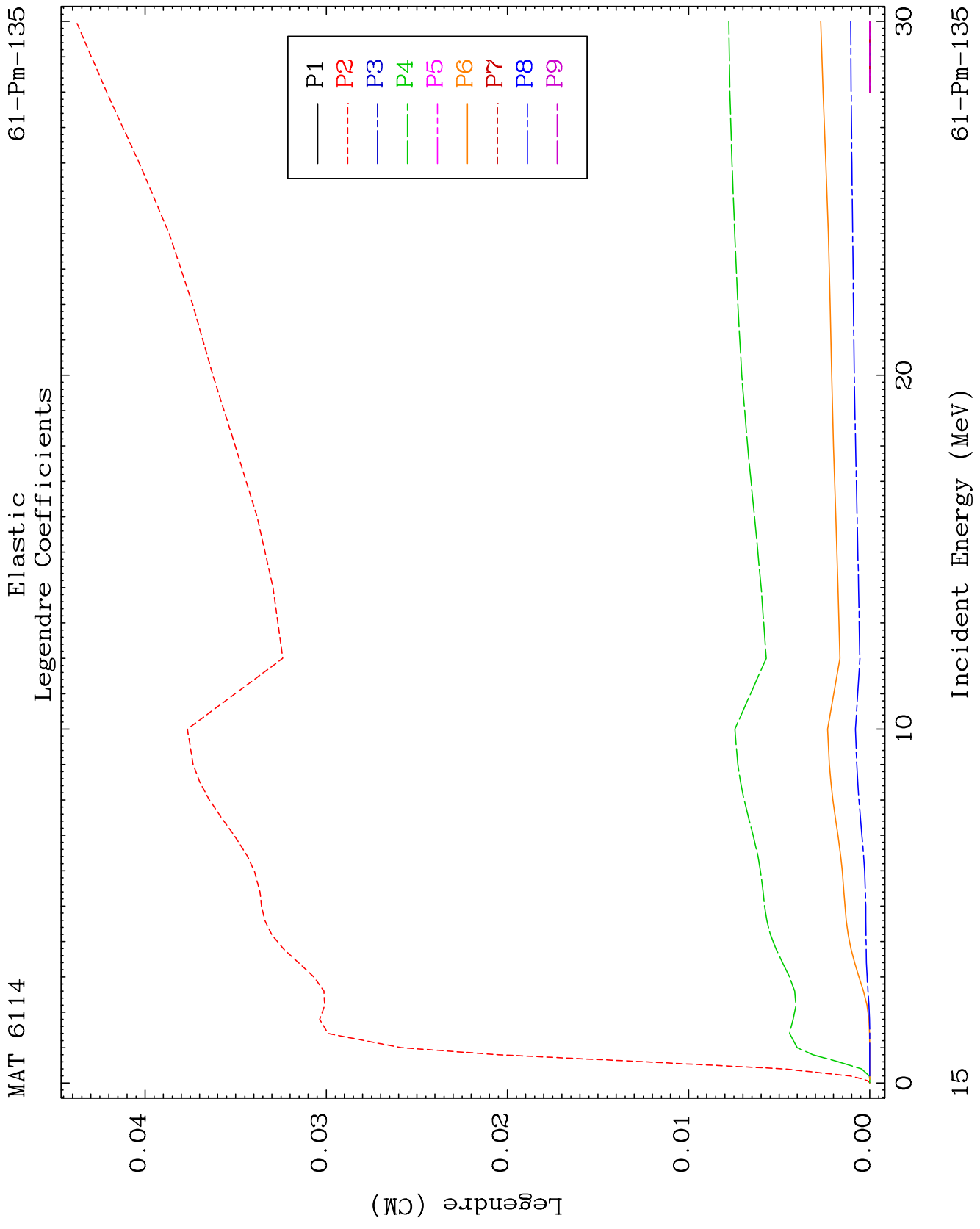
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(n,α) Levels
293 Kelvin Cross Sections

61-Pm-135



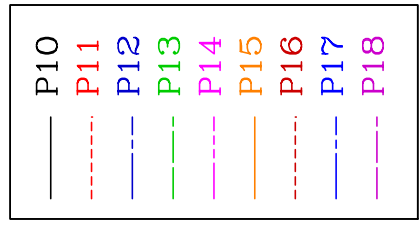




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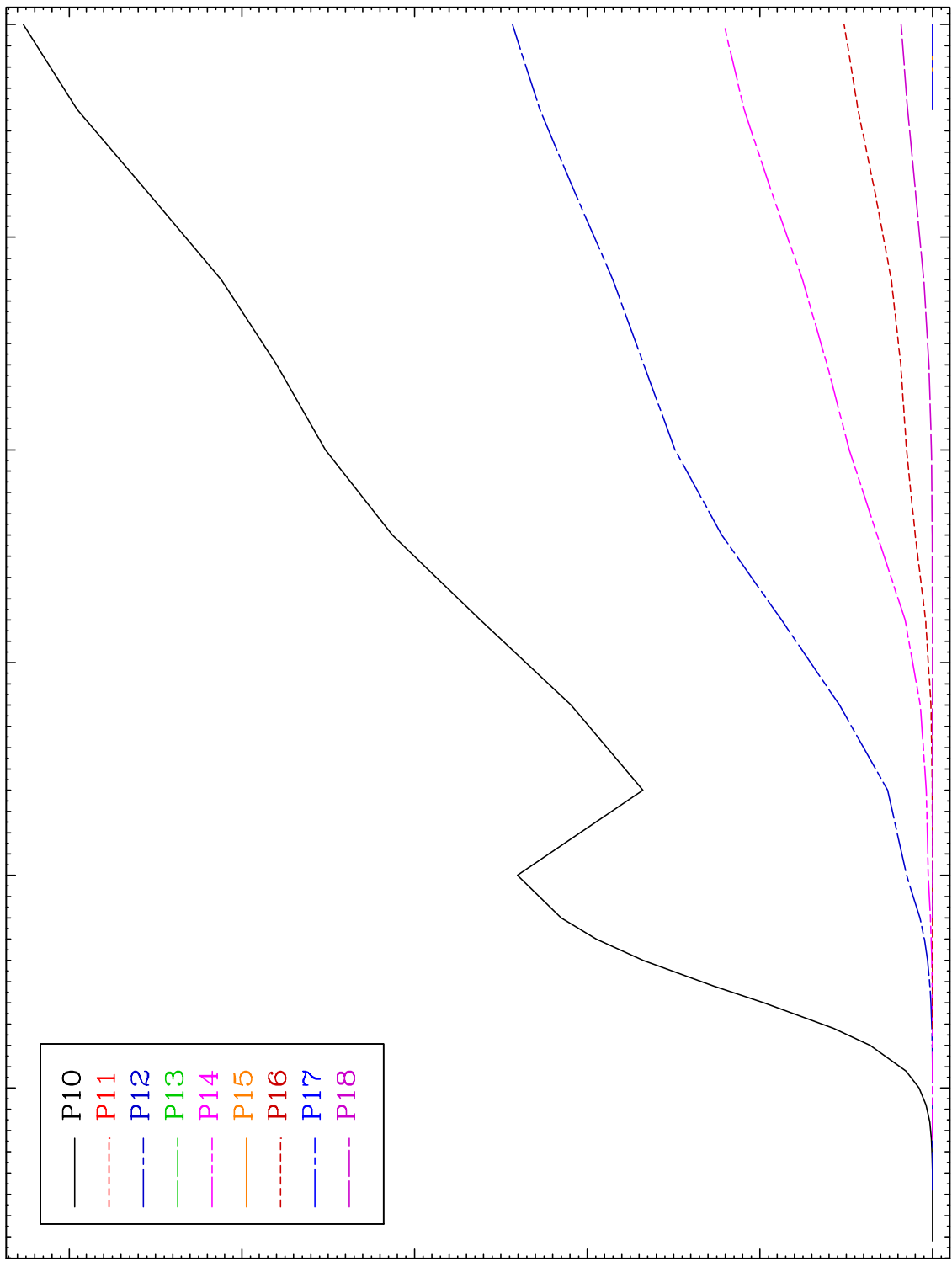
Elastic Legendre Coefficients

61-Pm-135



$\times 10^{-45}$

Legendre (CM)



16

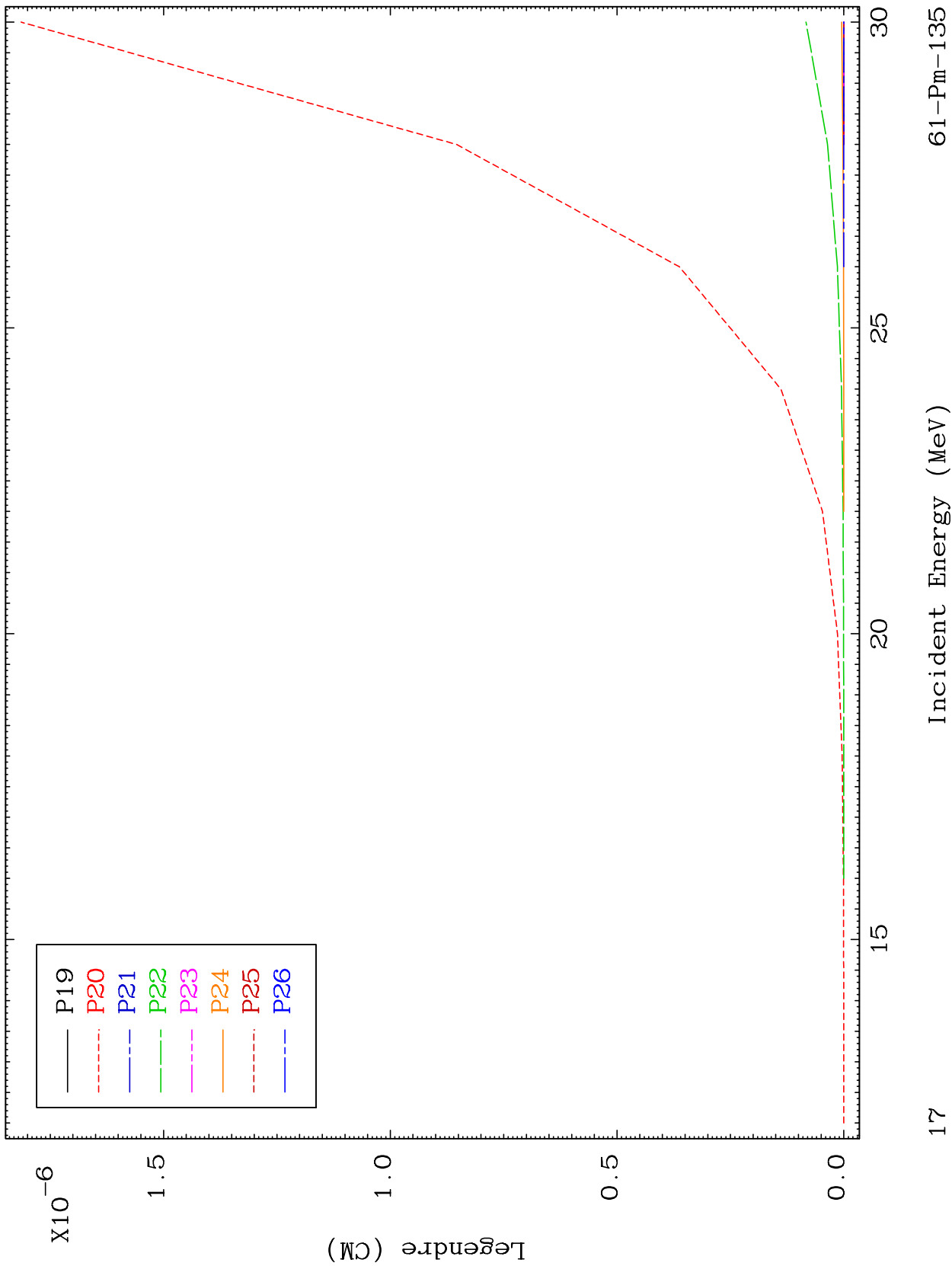
Incident Energy (MeV)

61-Pm-135

MAT 6114

Elastic
Legendre Coefficients

61-Pm-135



17

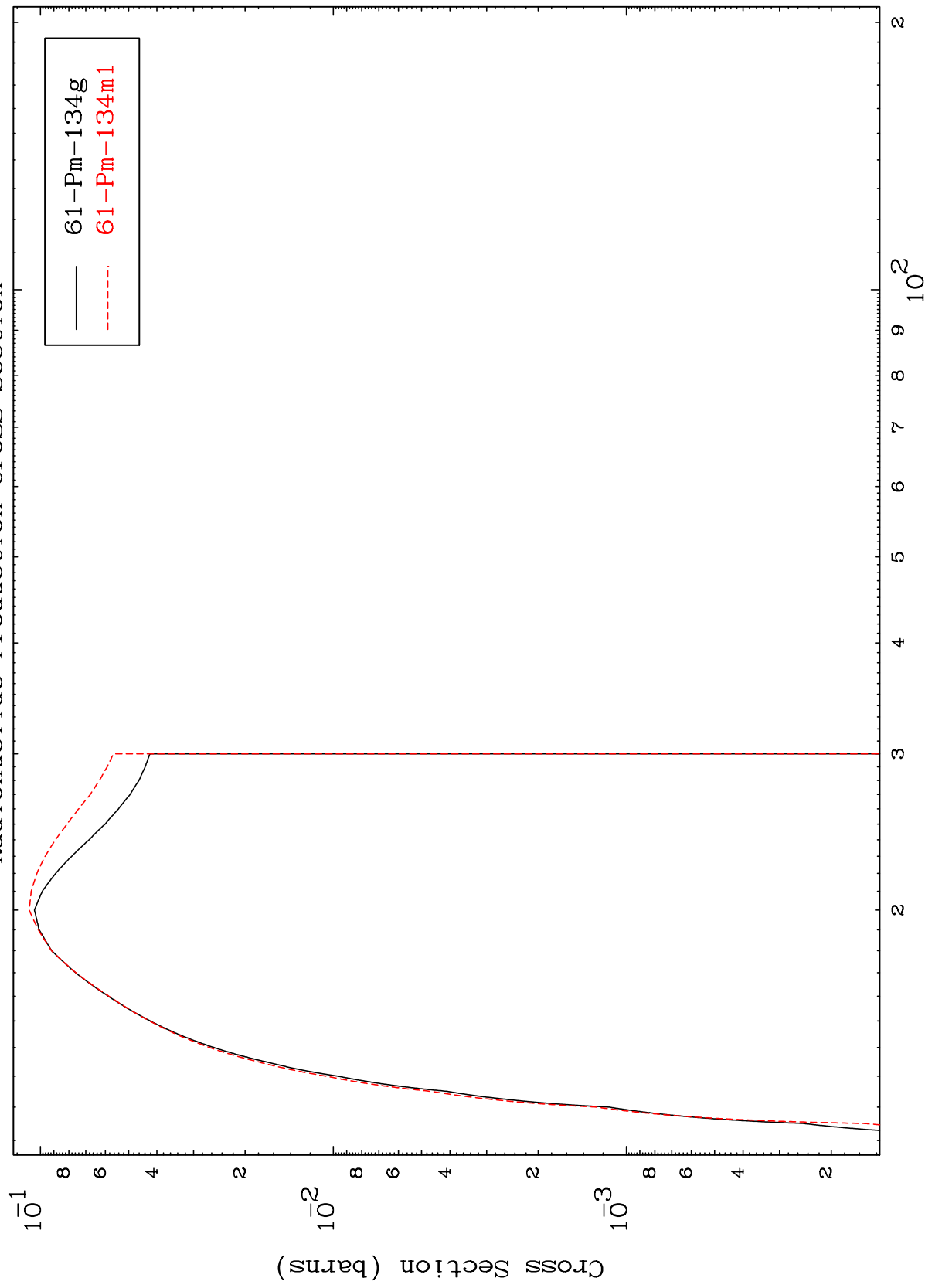
Incident Energy (MeV)

61-Pm-135

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61-Pm-135

(n,2n)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

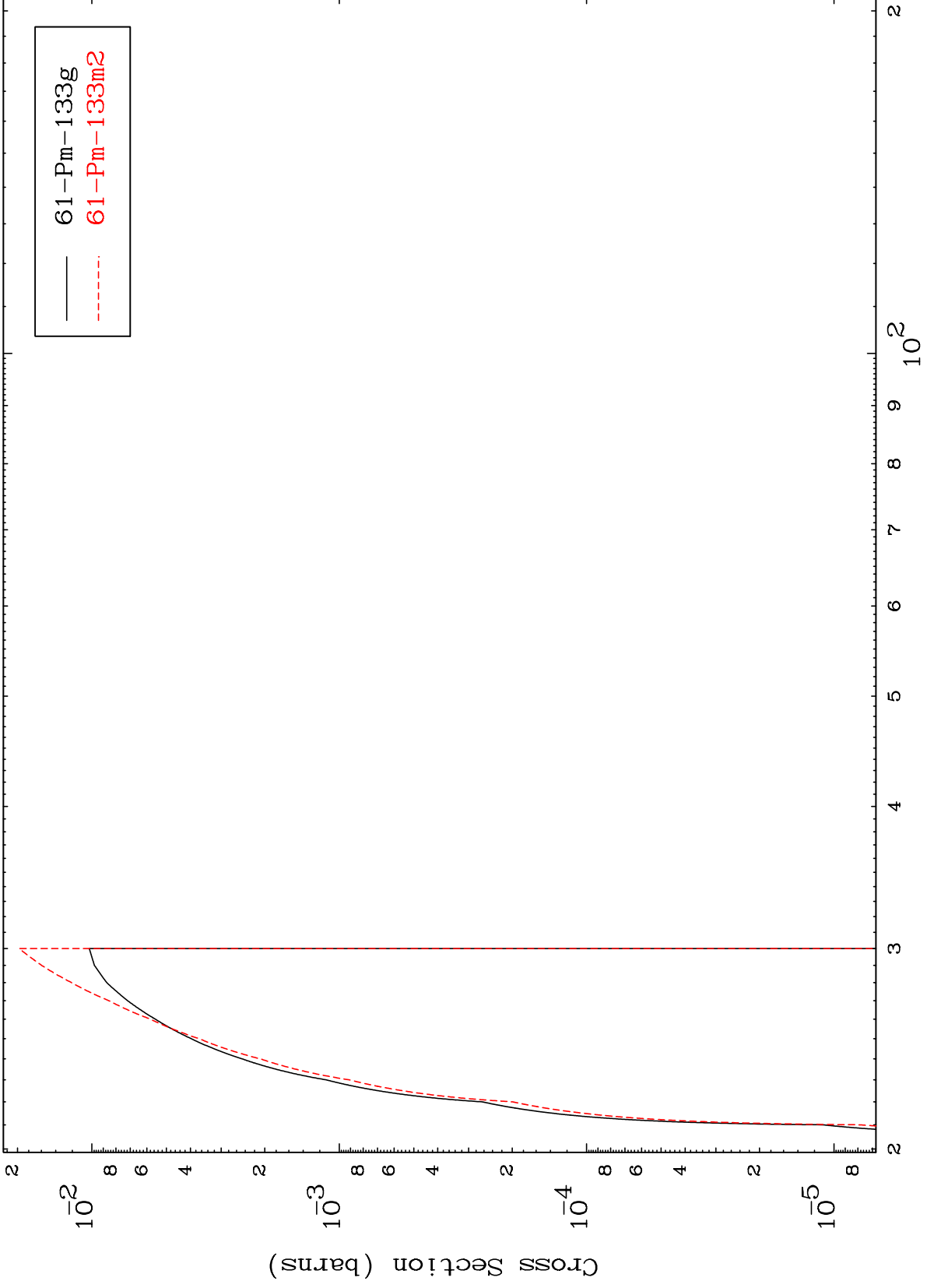
61-Pm-135

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(n,3n)

61-Pm-135

Radionuclide Production Cross Section



20

Incident Energy (MeV)

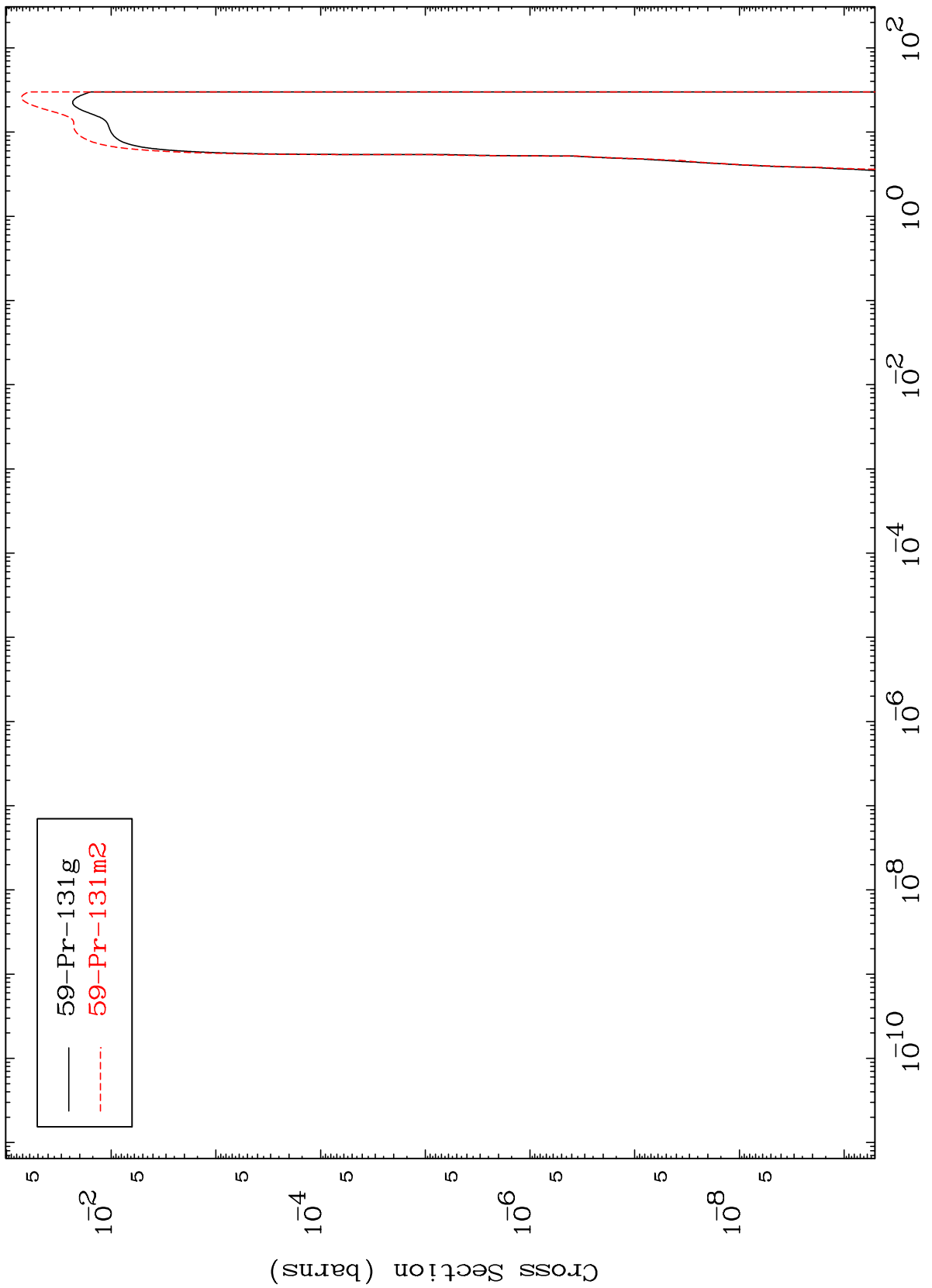
61-Pm-135

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$(n, n') \alpha$

61-Pm-135

Radionuclide Production Cross Section

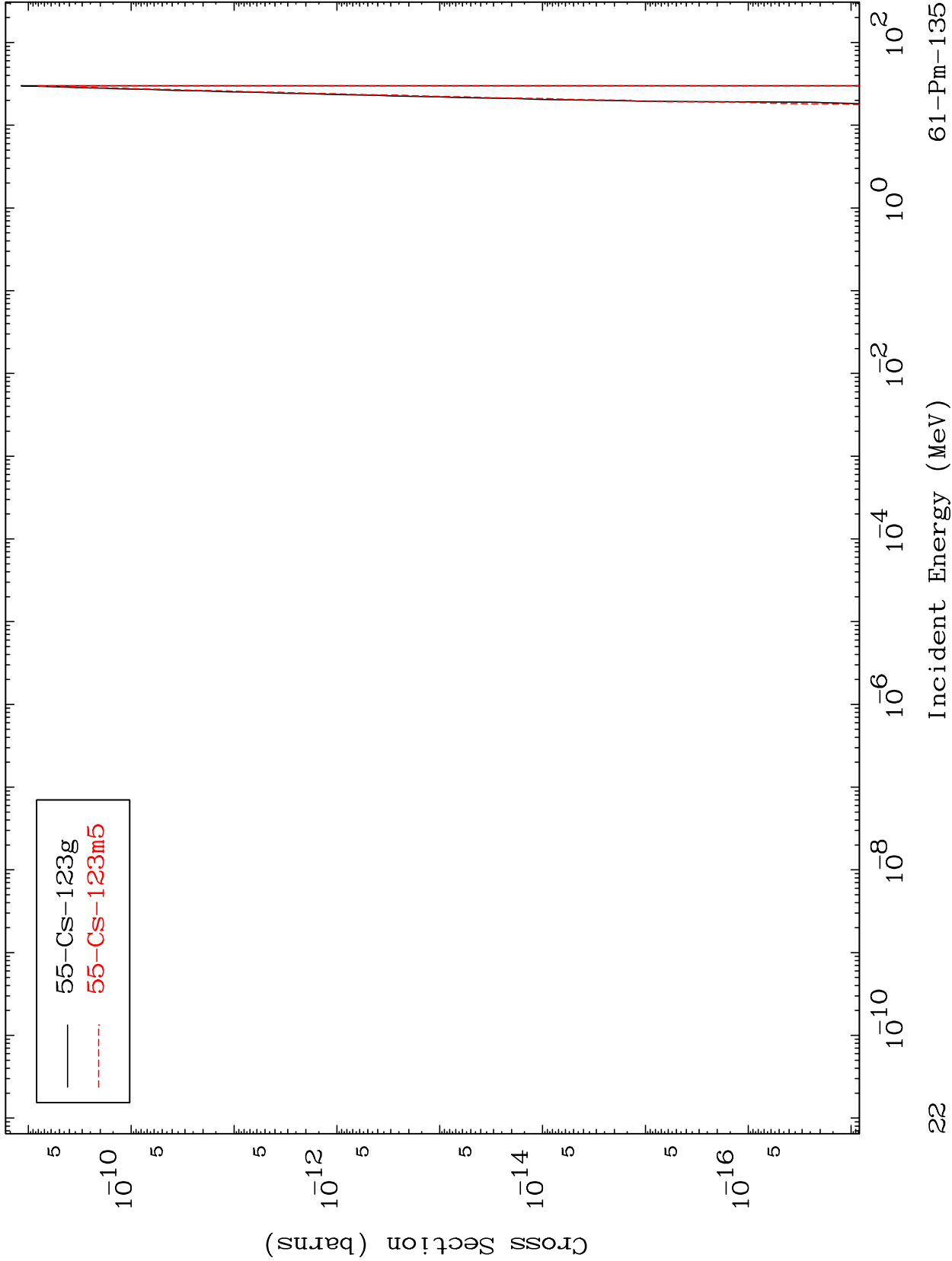


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(n,n') 3 α

61-Pm-135

Radionuclide Production Cross Section

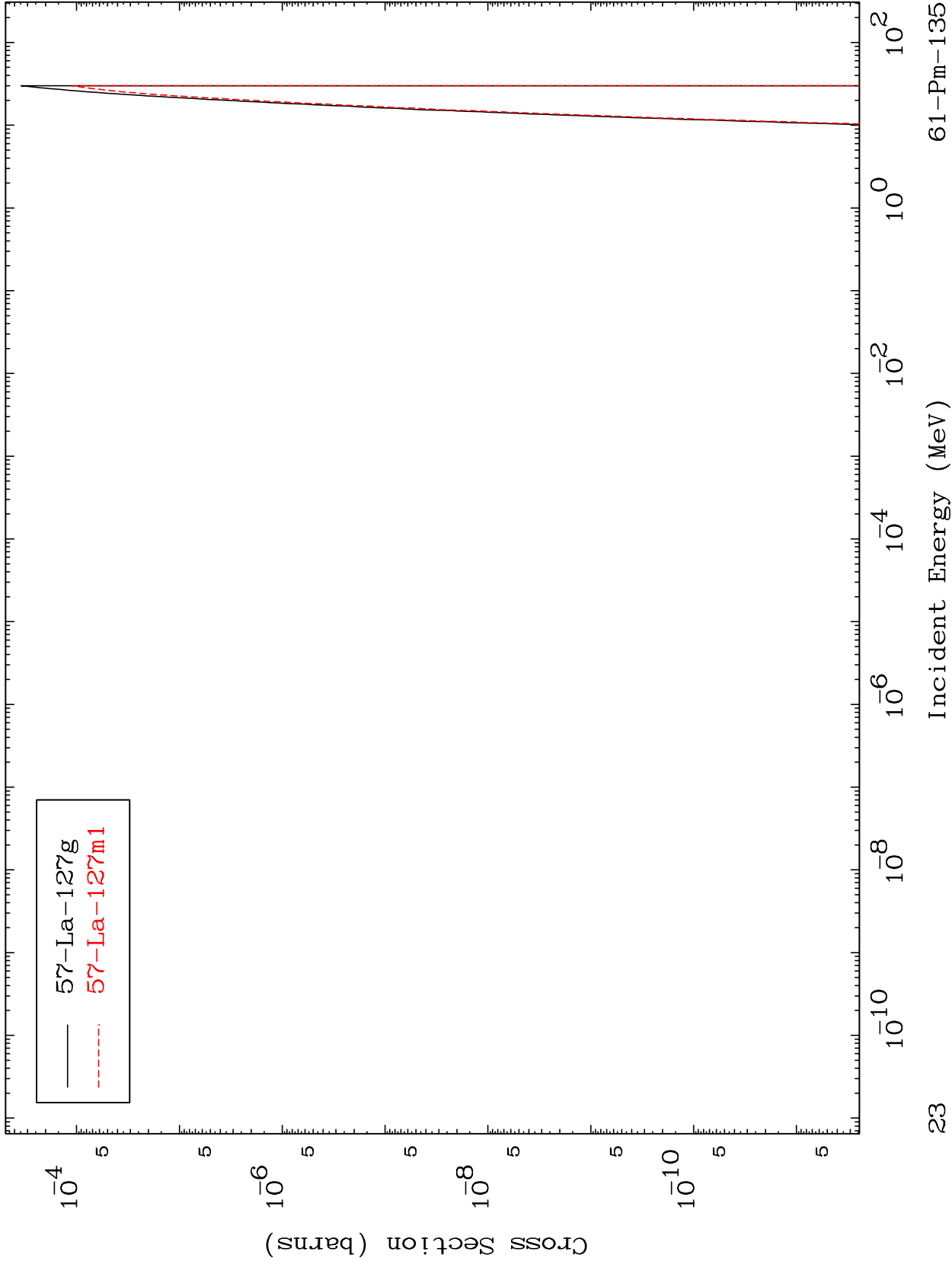


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(n,n') 2α

61-Pm-135

Radionuclide Production Cross Section

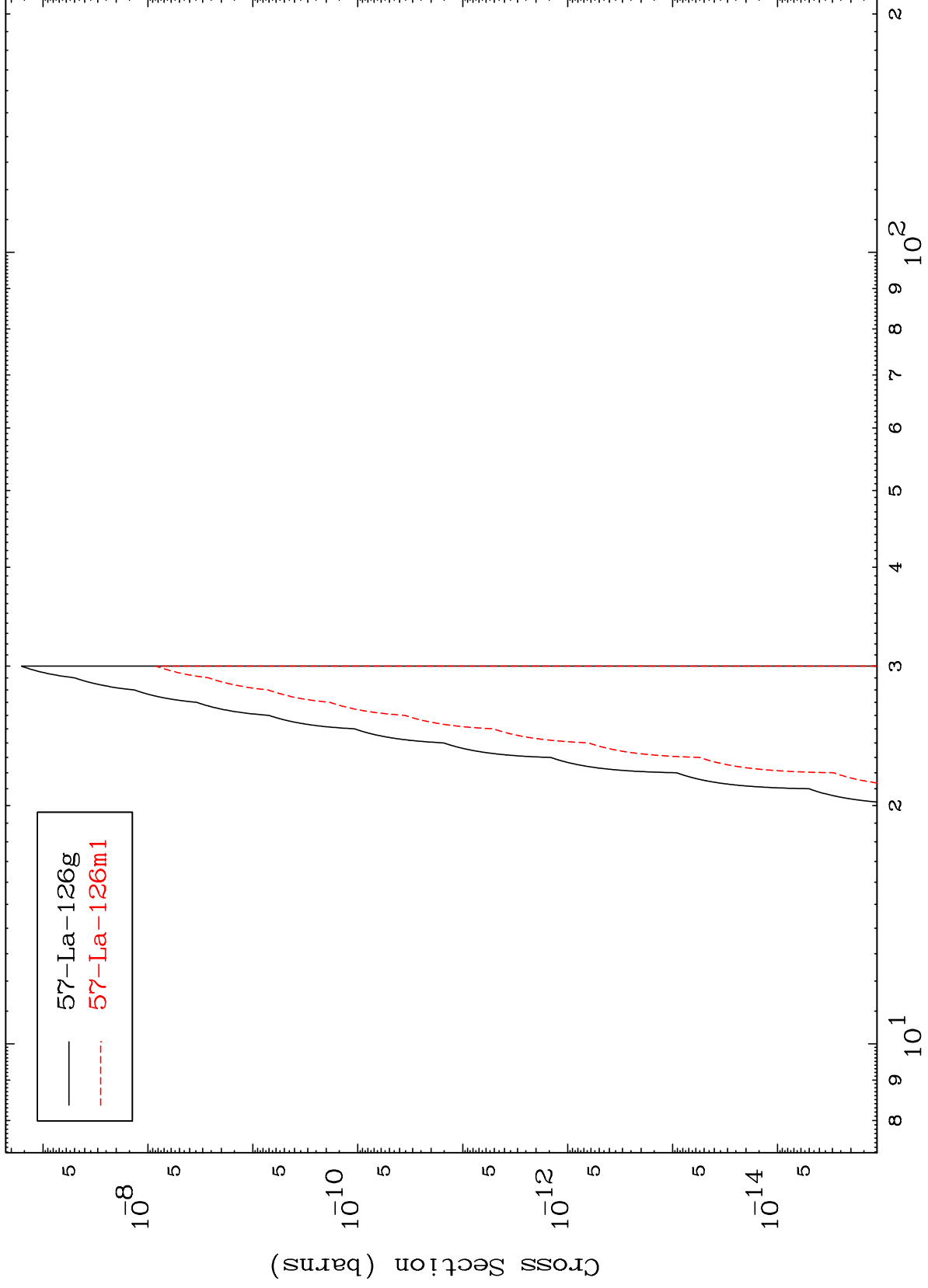


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(n,2n) 2α

61-Pm-135

Radionuclide Production Cross Section



24

Incident Energy (MeV)

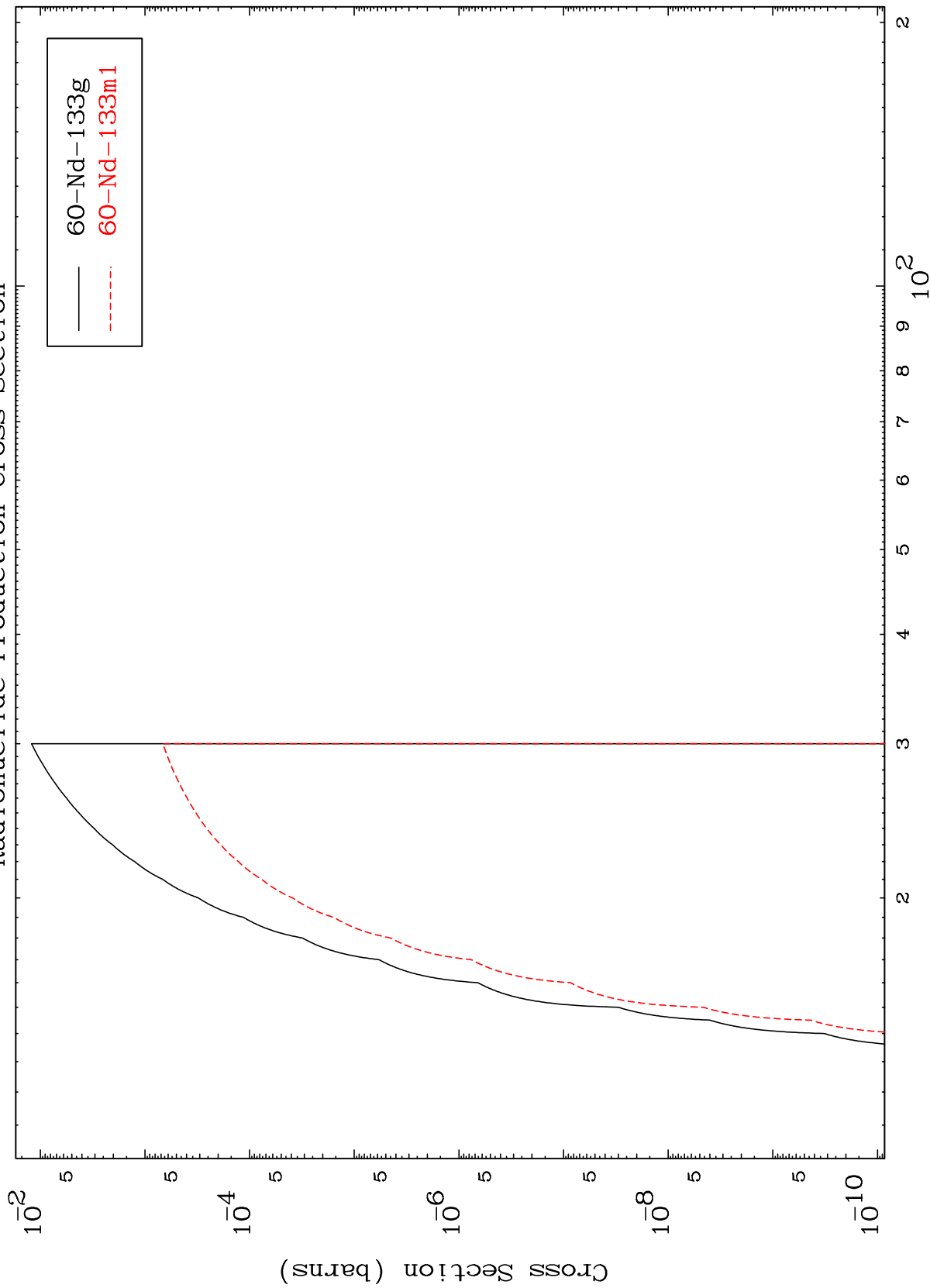
61-Pm-135

MAT 6114

(n,n') d

61-Pm-135

Radionuclide Production Cross Section

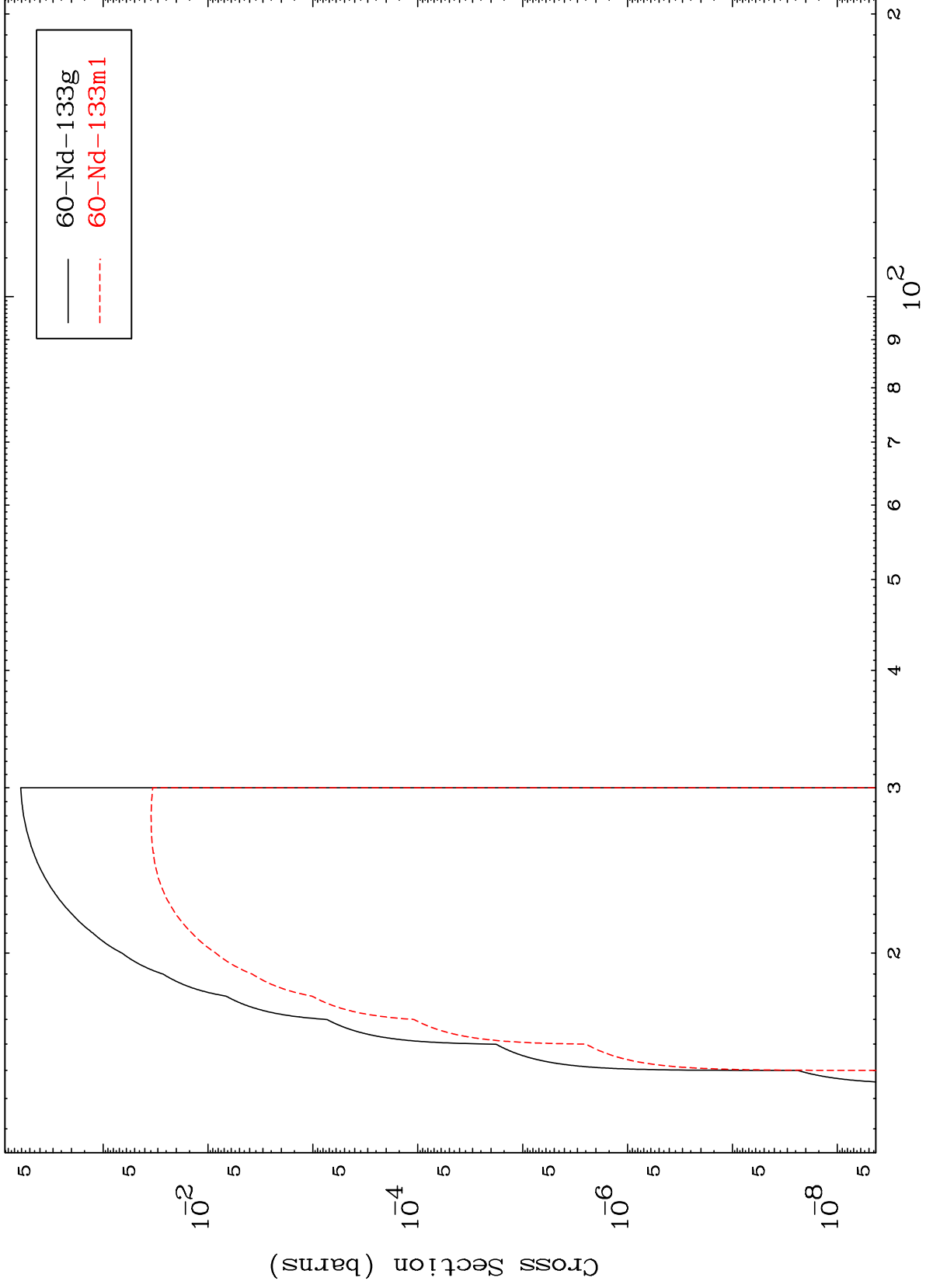


25

Incident Energy (MeV)

61-Pm-135

Radionuclide Production Cross Section

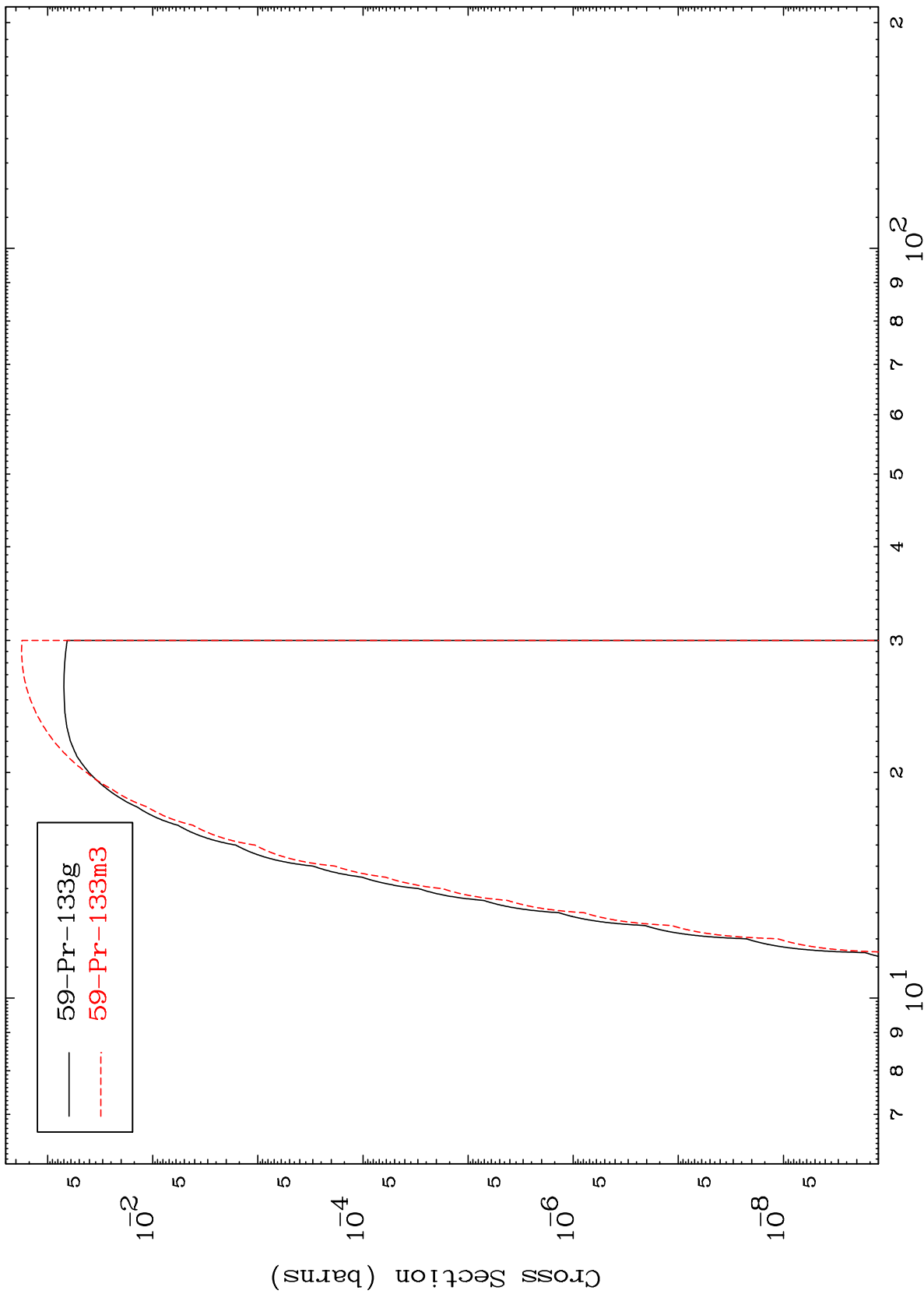


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(n,2n) p

61-Pm-135

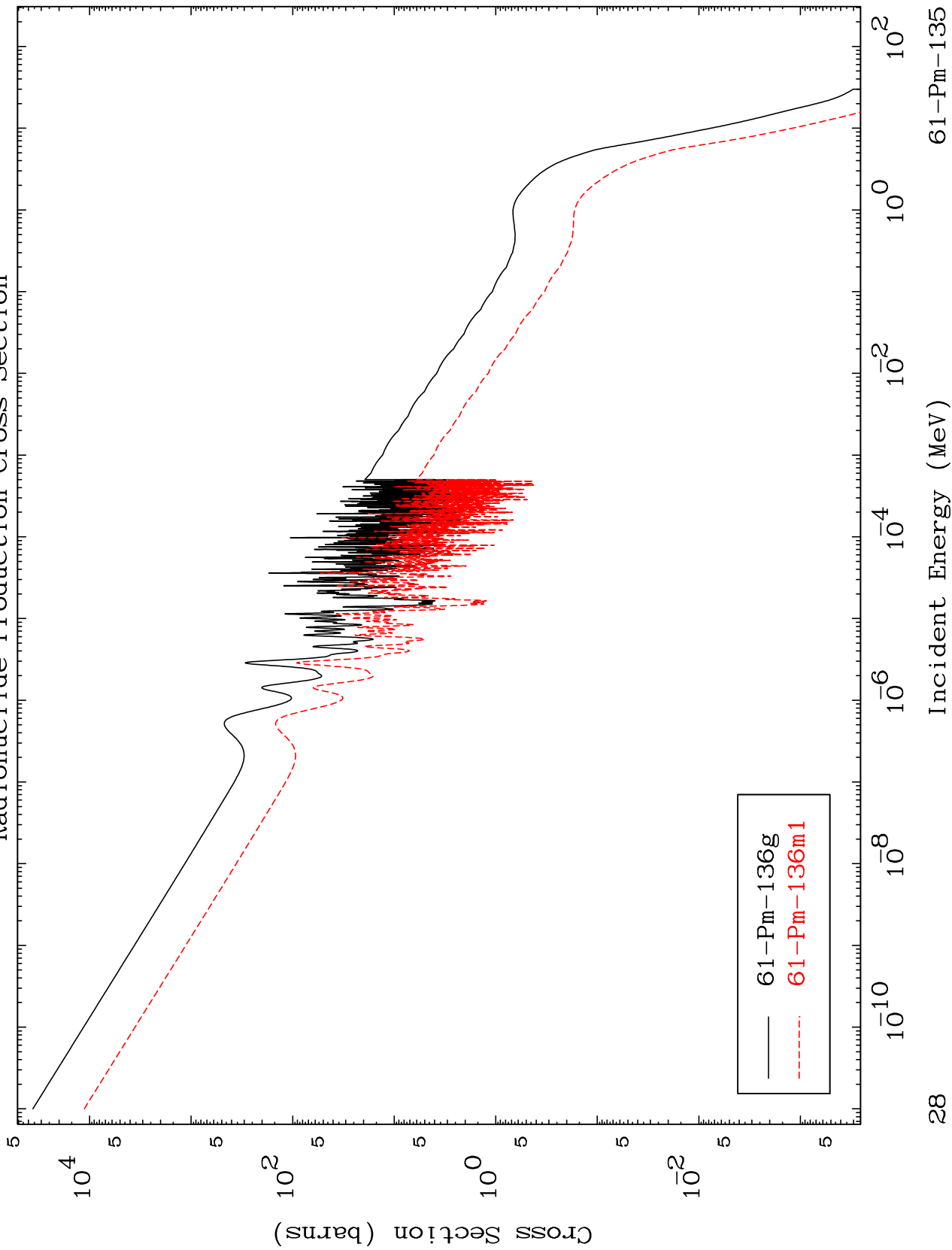
Radionuclide Production Cross Section



MAT 6114

61-Pm-135

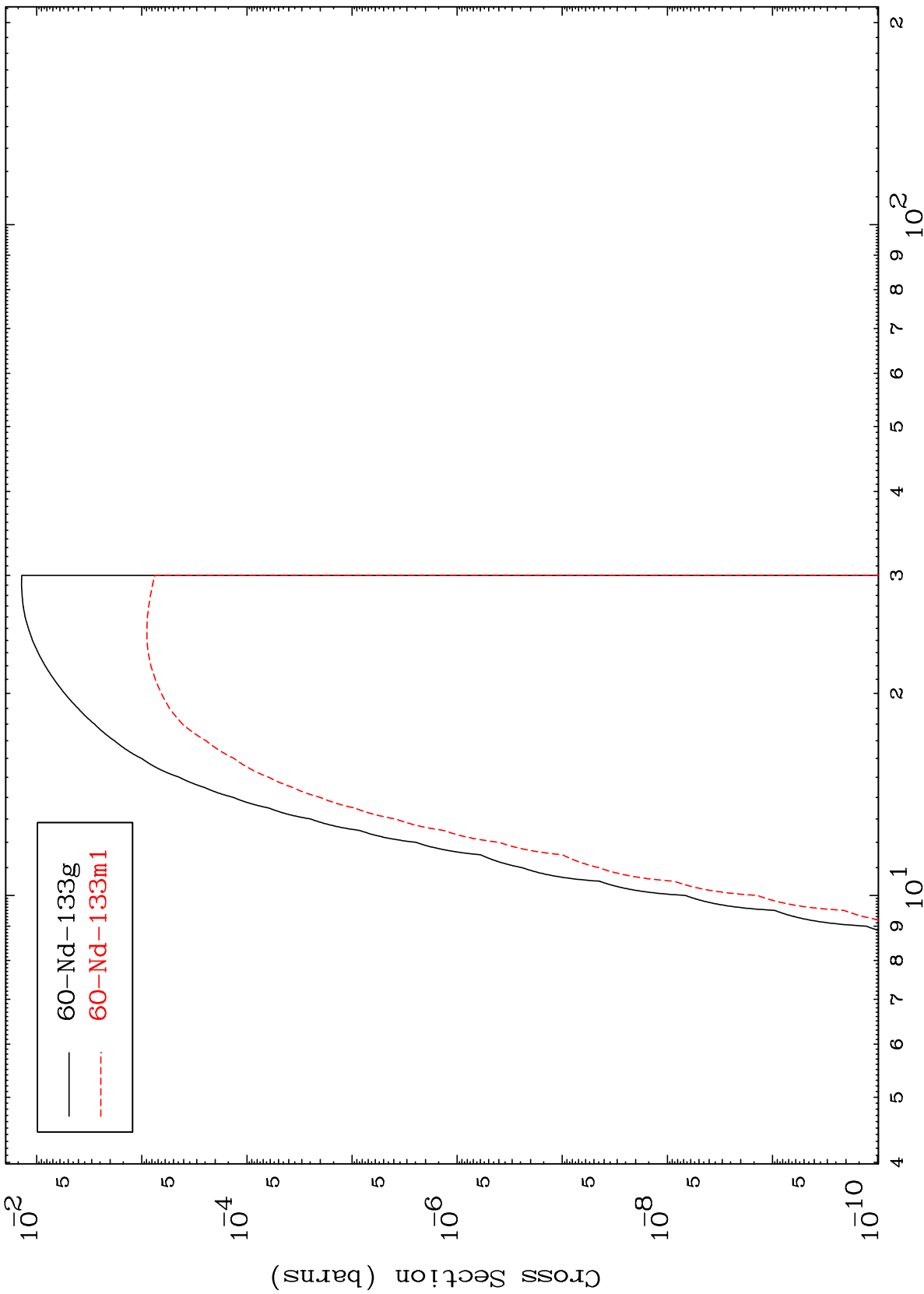
(n, γ)
Radionuclide Production Cross Section



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61-Pm-135

Radionuclide Production Cross Section (n,t)



29

Incident Energy (MeV)

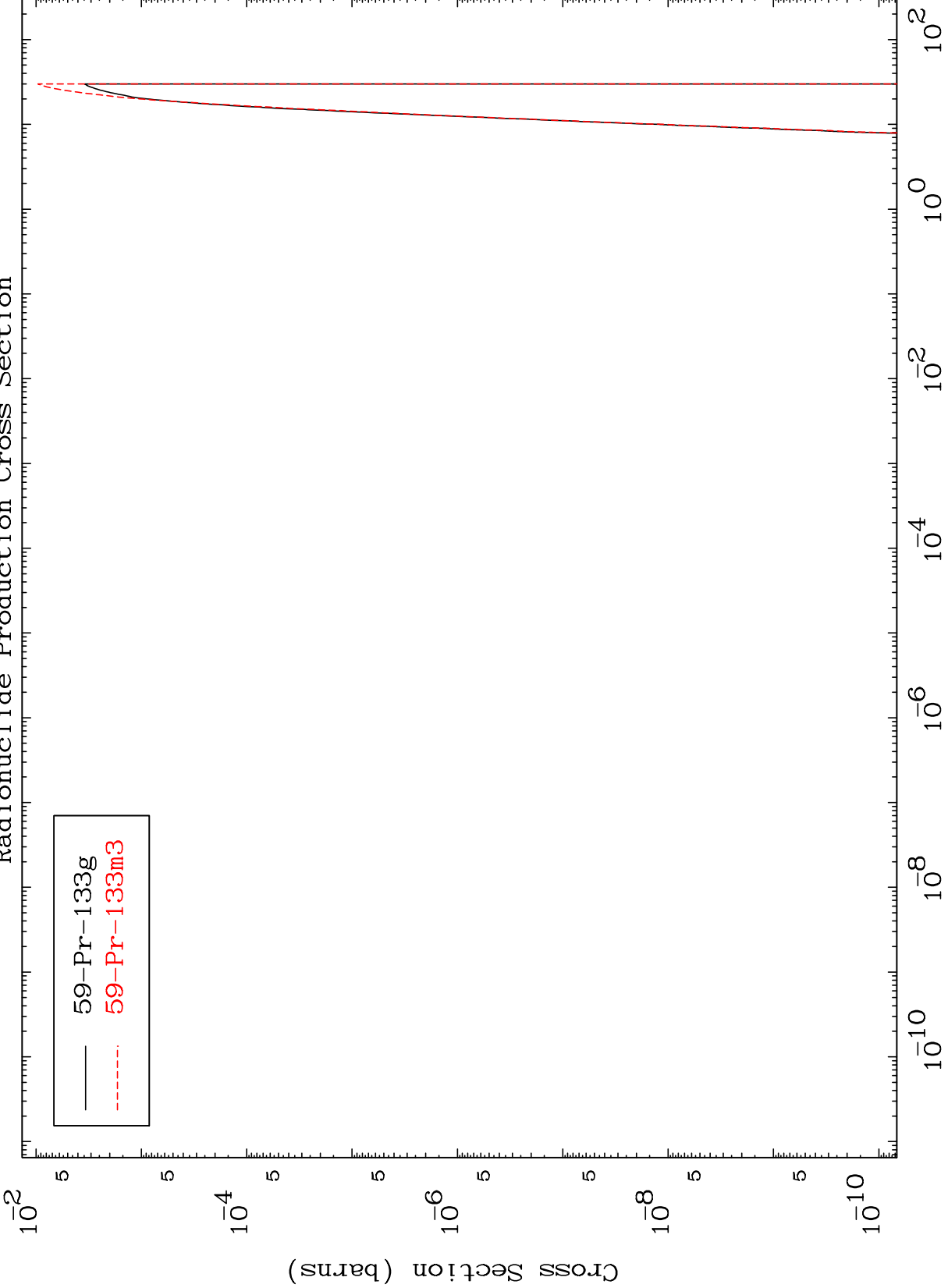
61-Pm-135

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(n,He-3)

61-Pm-135

Radionuclide Production Cross Section



30

Incident Energy (MeV)

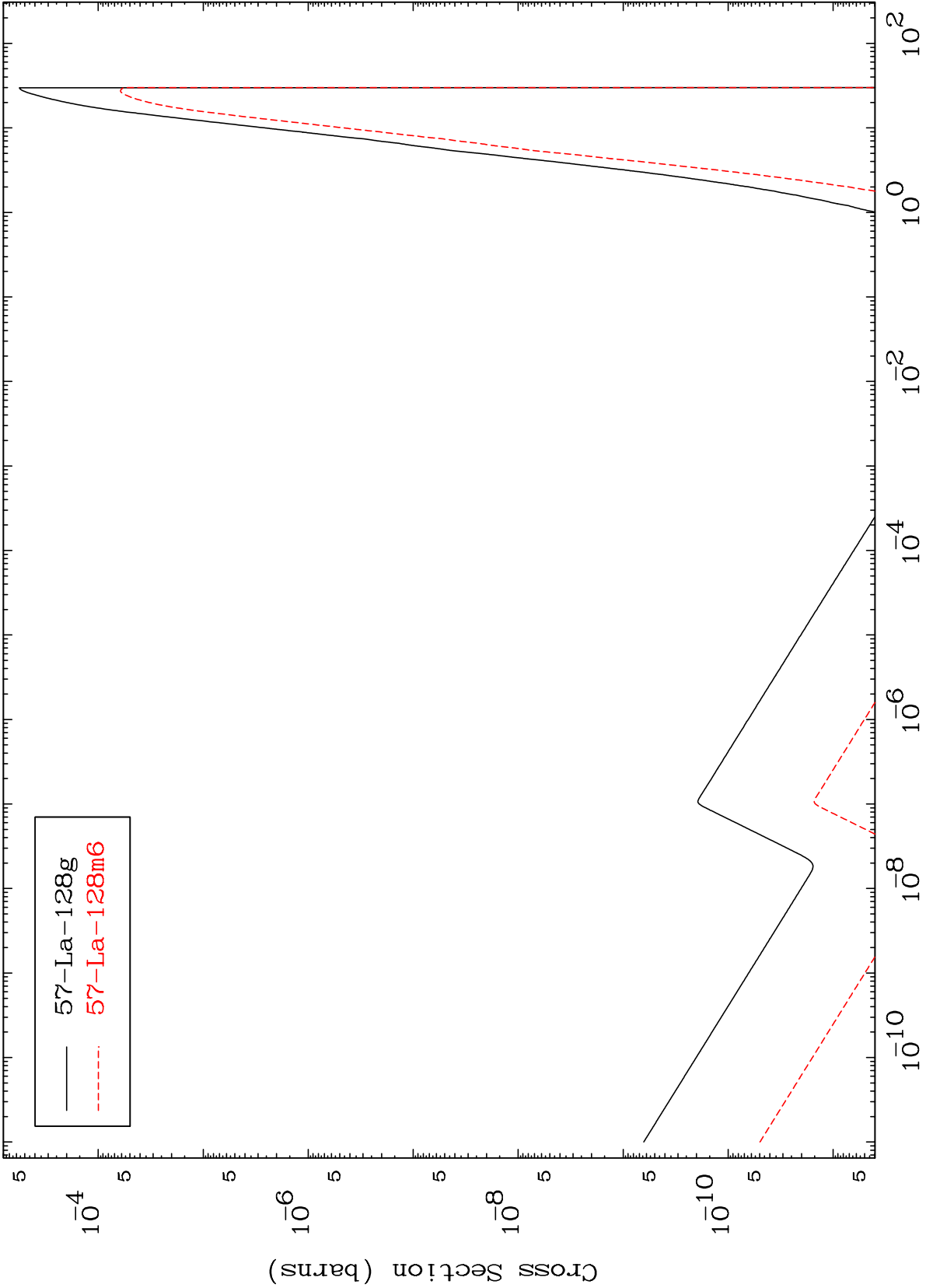
61-Pm-135

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(n,2α)

61-Pm-135

Radionuclide Production Cross Section

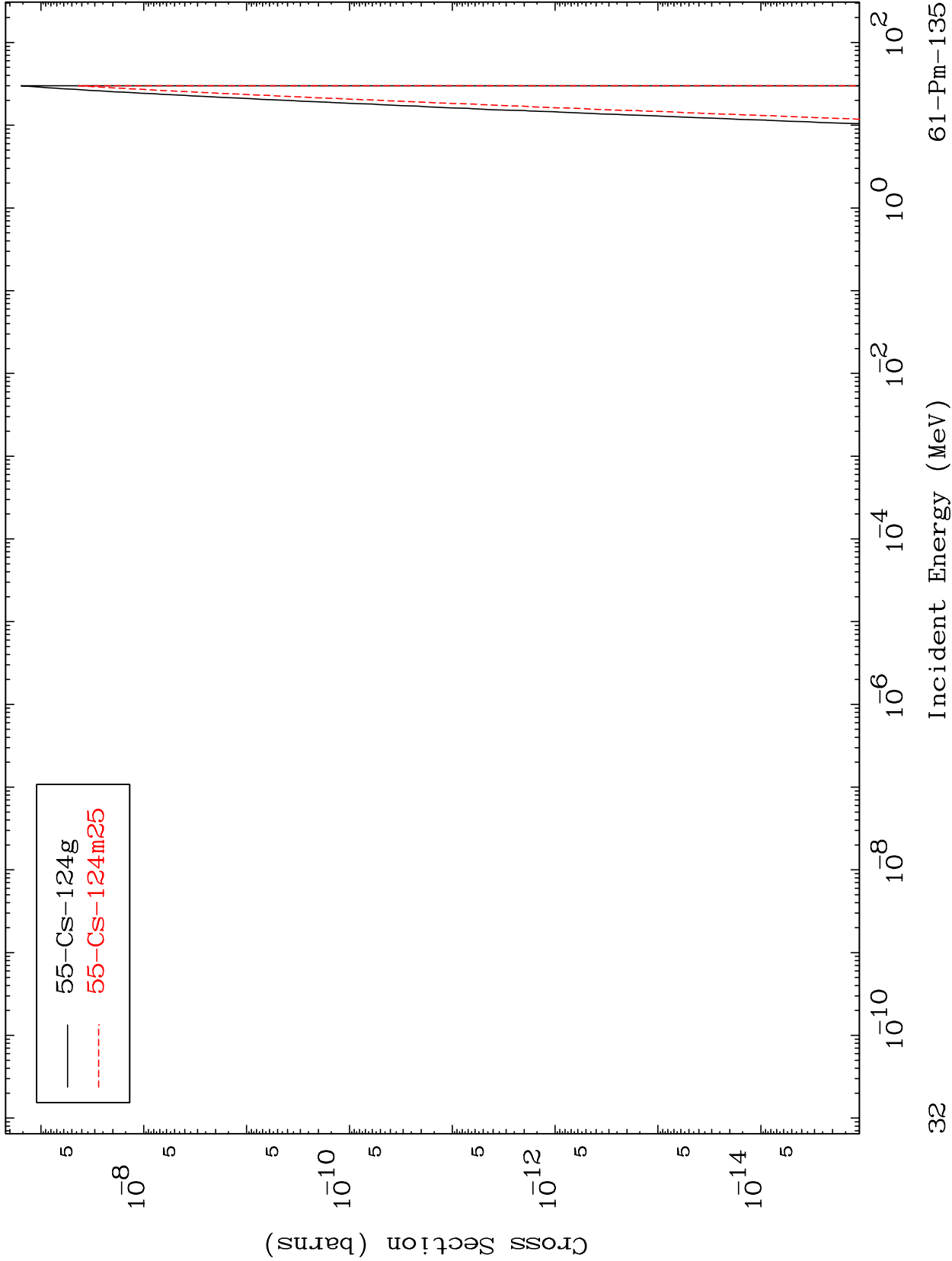


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(n,3 α)

61-Pm-135

Radionuclide Production Cross Section

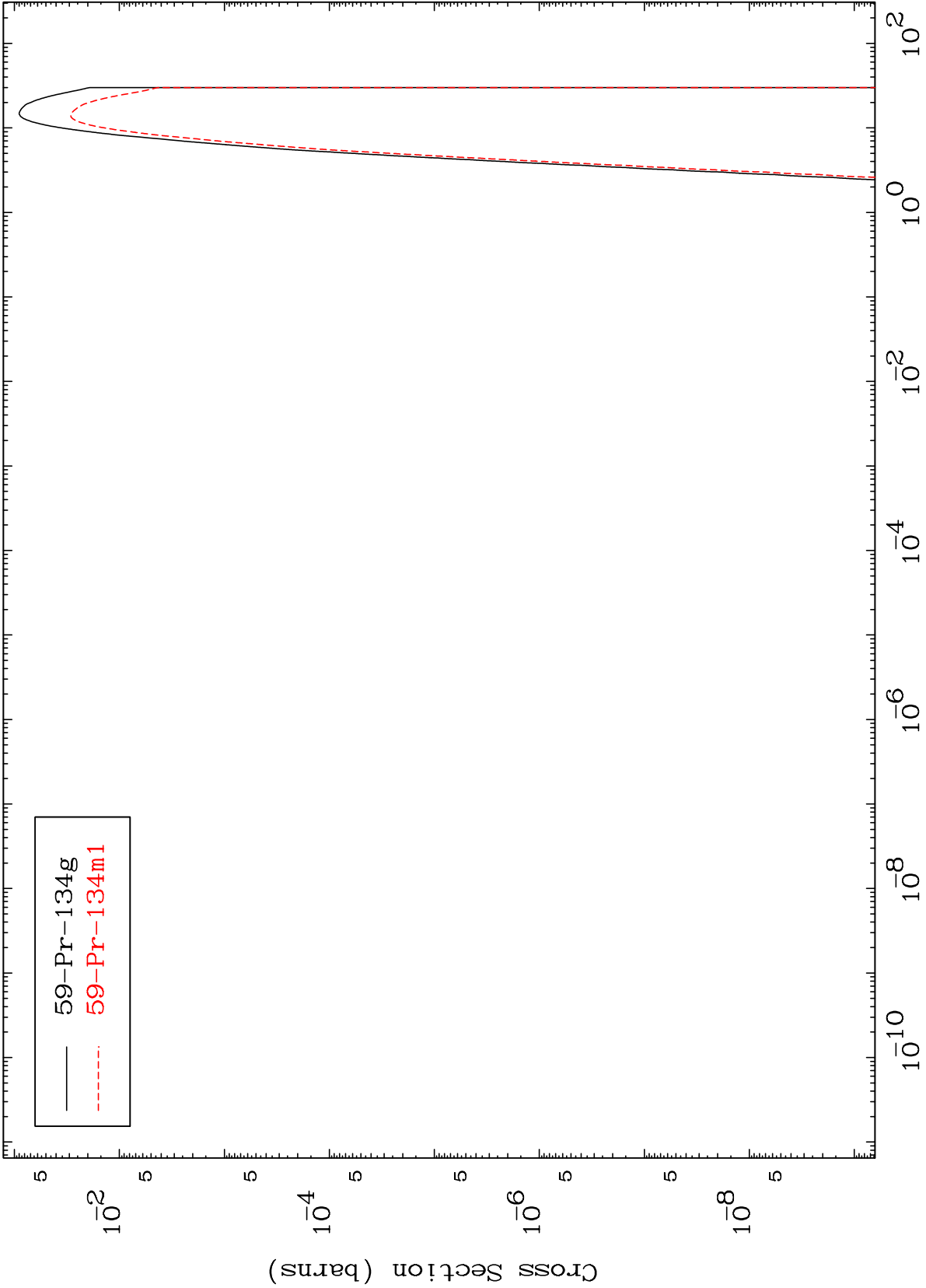


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(n,2p)

61-Pm-135

Radionuclide Production Cross Section

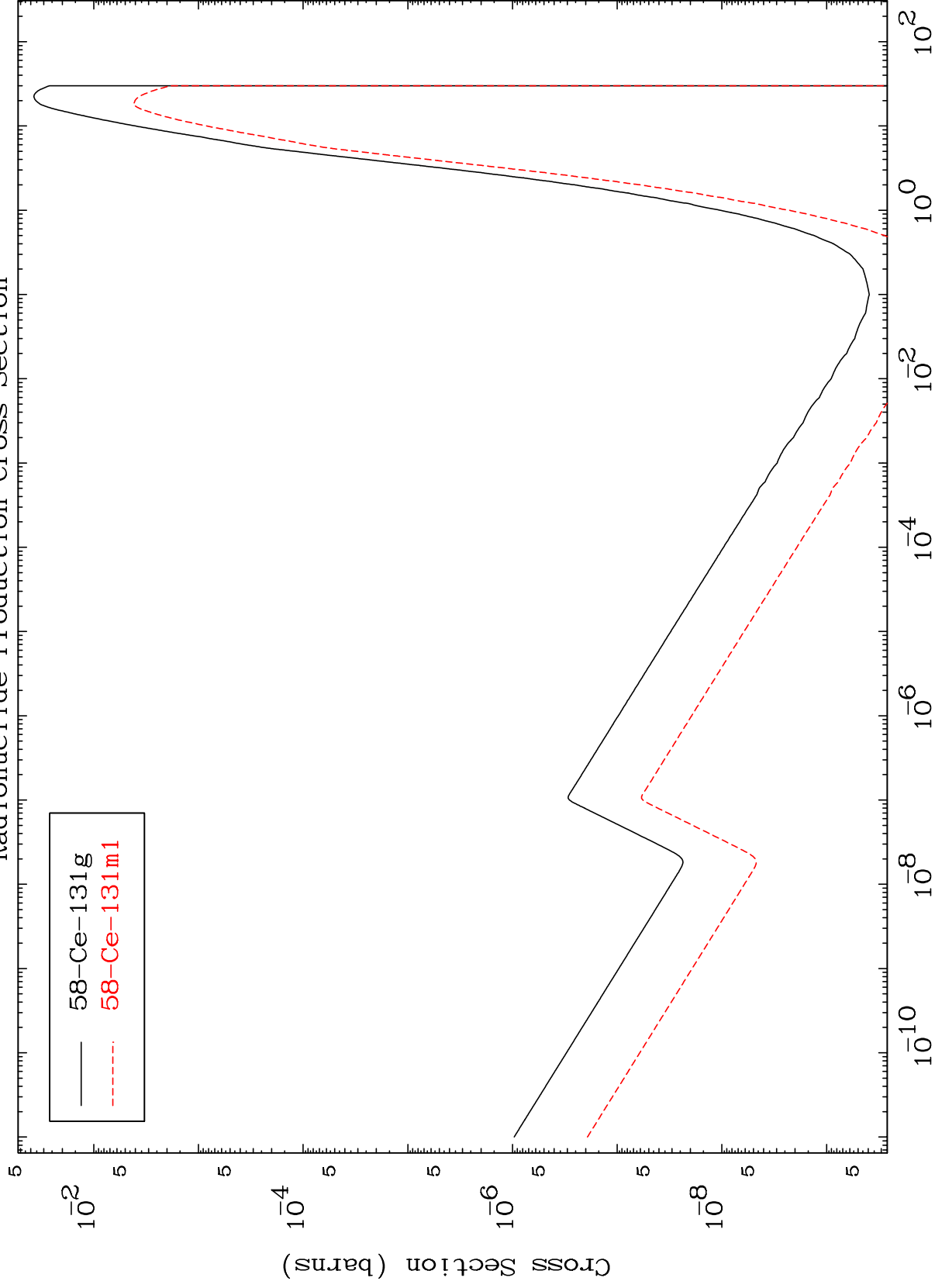


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(n,p) α

61-Pm-135

Radionuclide Production Cross Section



34

Incident Energy (MeV)

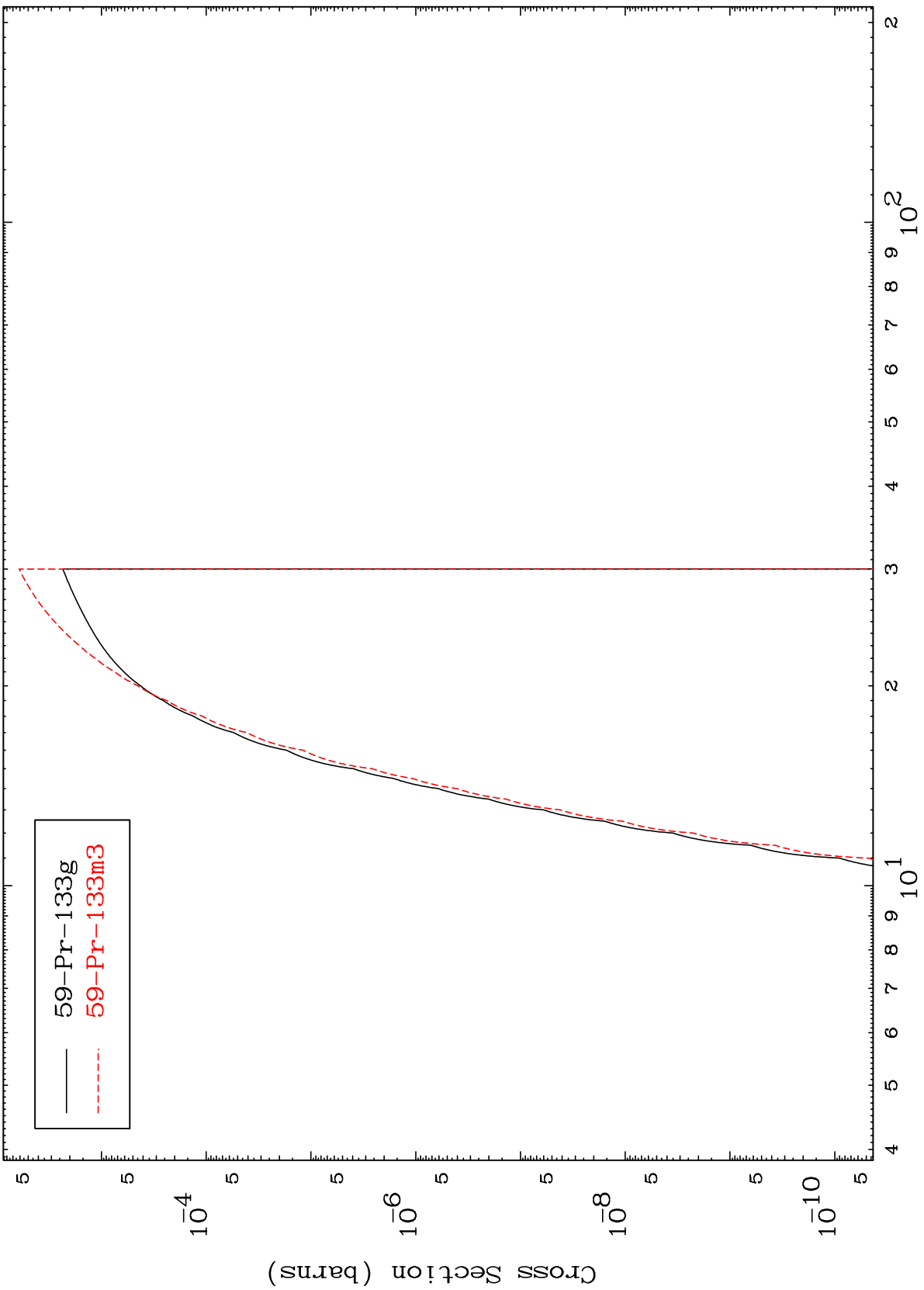
61-Pm-135

MAT 6114

(n,p) d

61-Pm-135

Radionuclide Production Cross Section



35

Incident Energy (MeV)

61-Pm-135