

Program EVALPLOT
(Version 2021-1)

by

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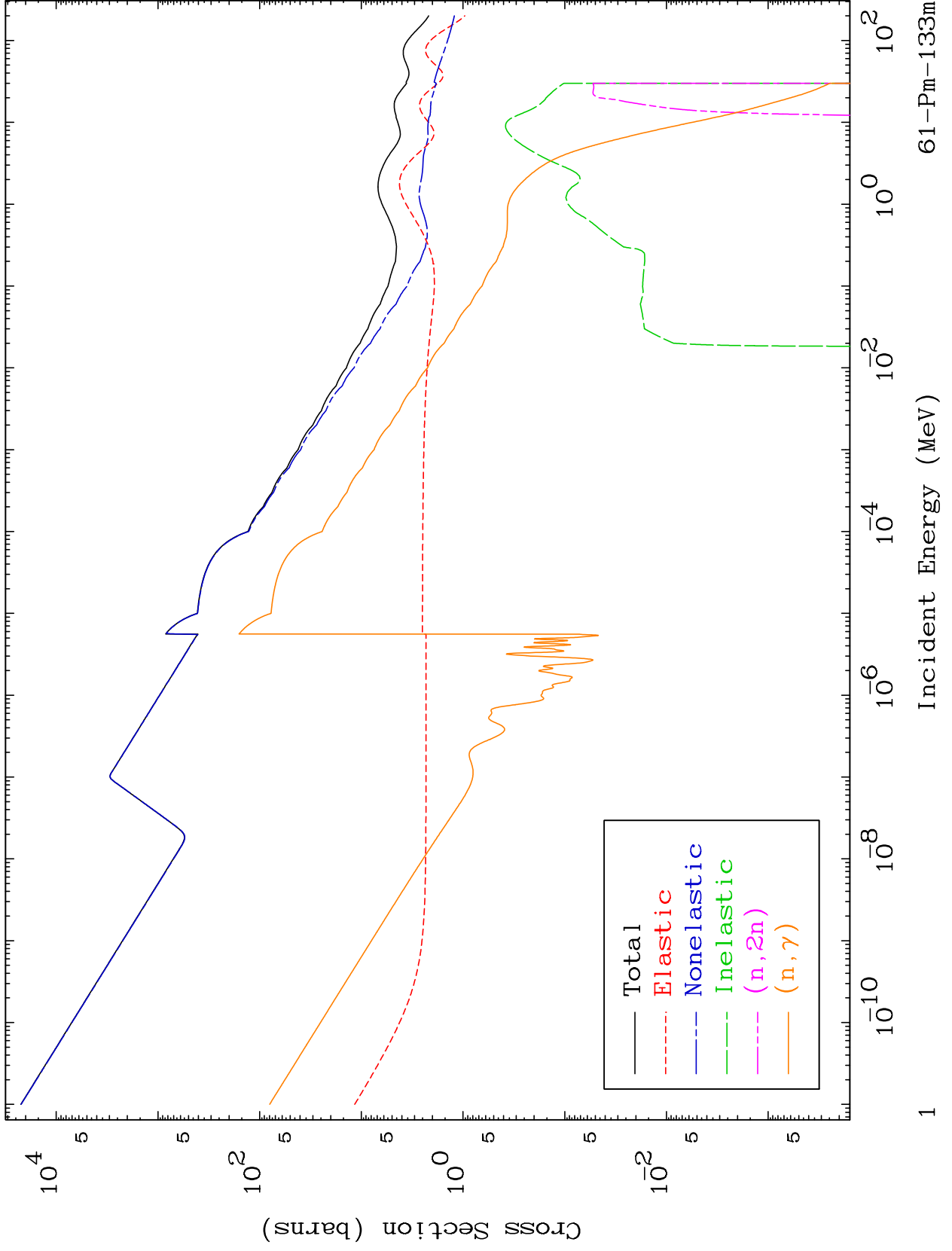
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Press Mouse Button to Start

MAT 6108

Neutron Major
293 Kelvin Cross Sections

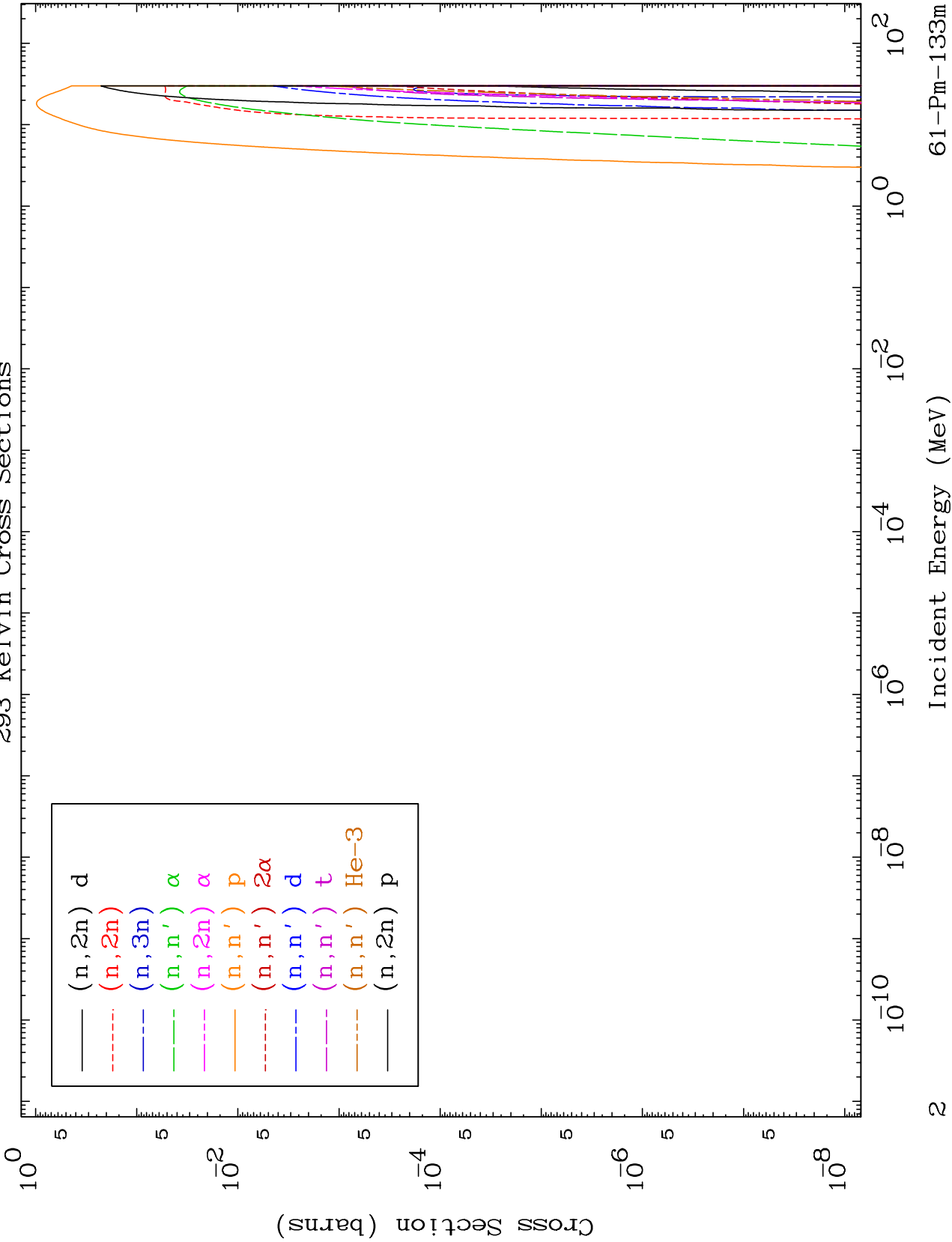
61-Pm-133m



MAT 6108

Neutron Absorption
293 Kelvin Cross Sections

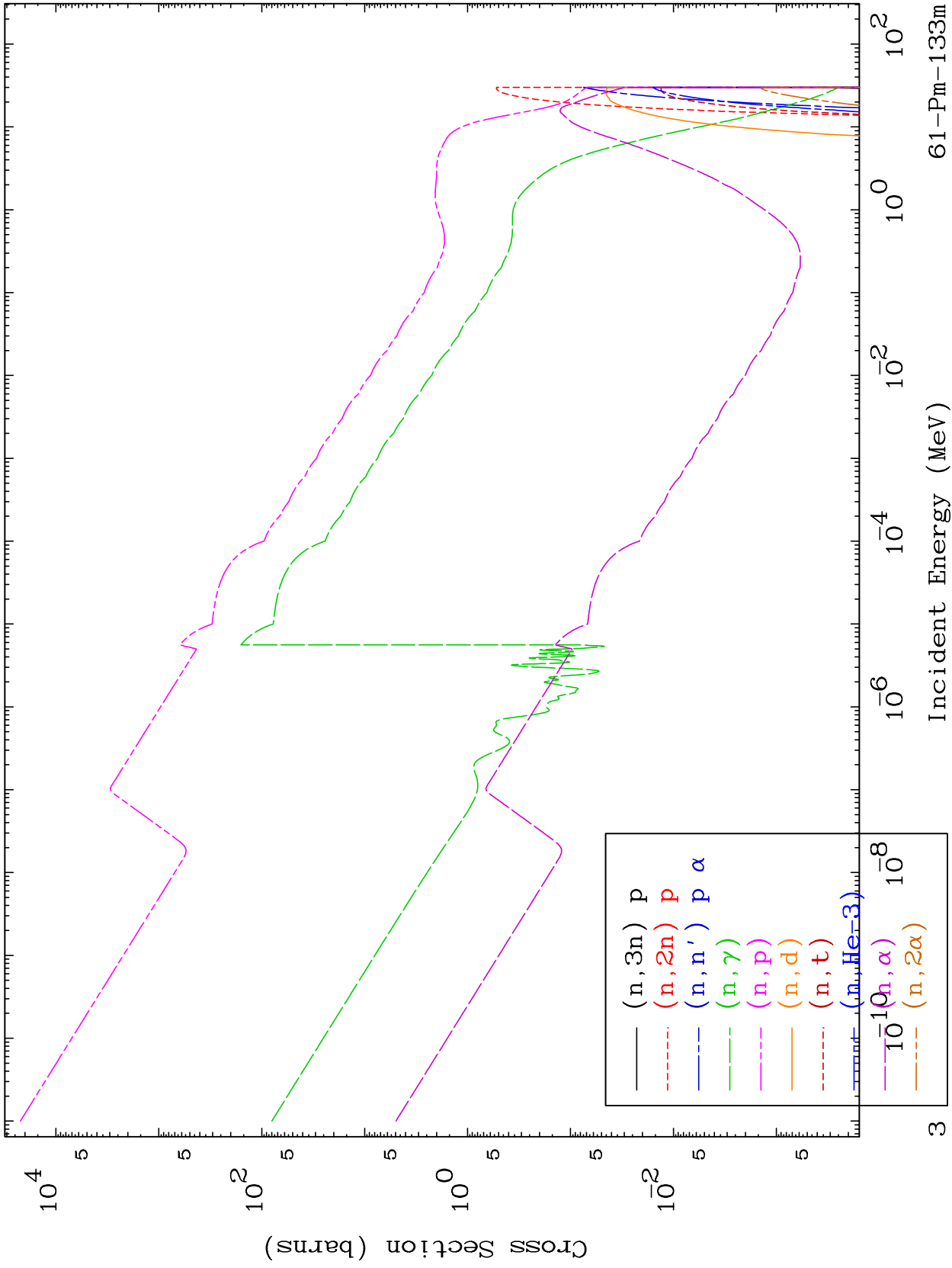
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MAT 6108

Neutron Absorption
293 Kelvin Cross Sections

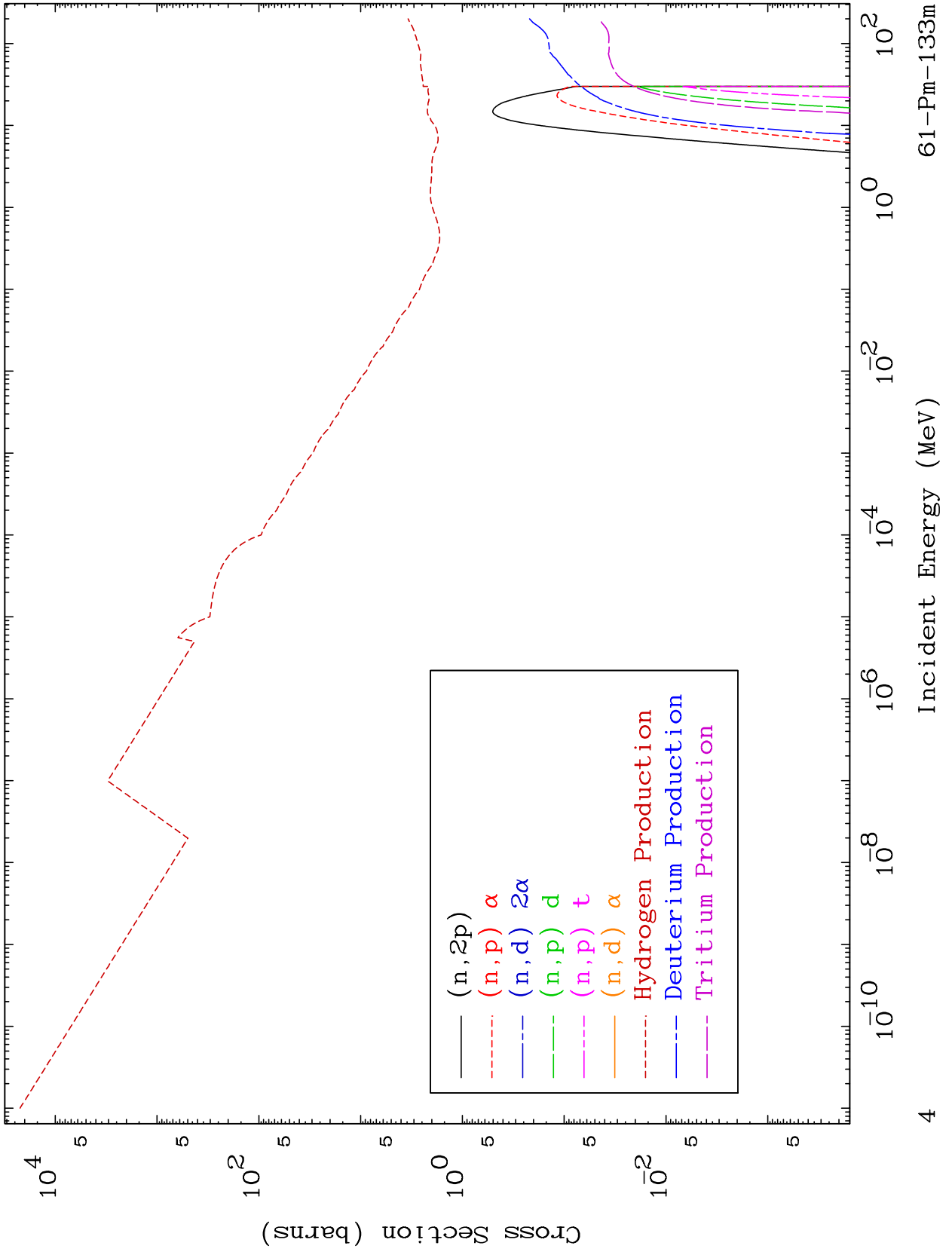
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Neutron Absorption
293 Kelvin Cross Sections

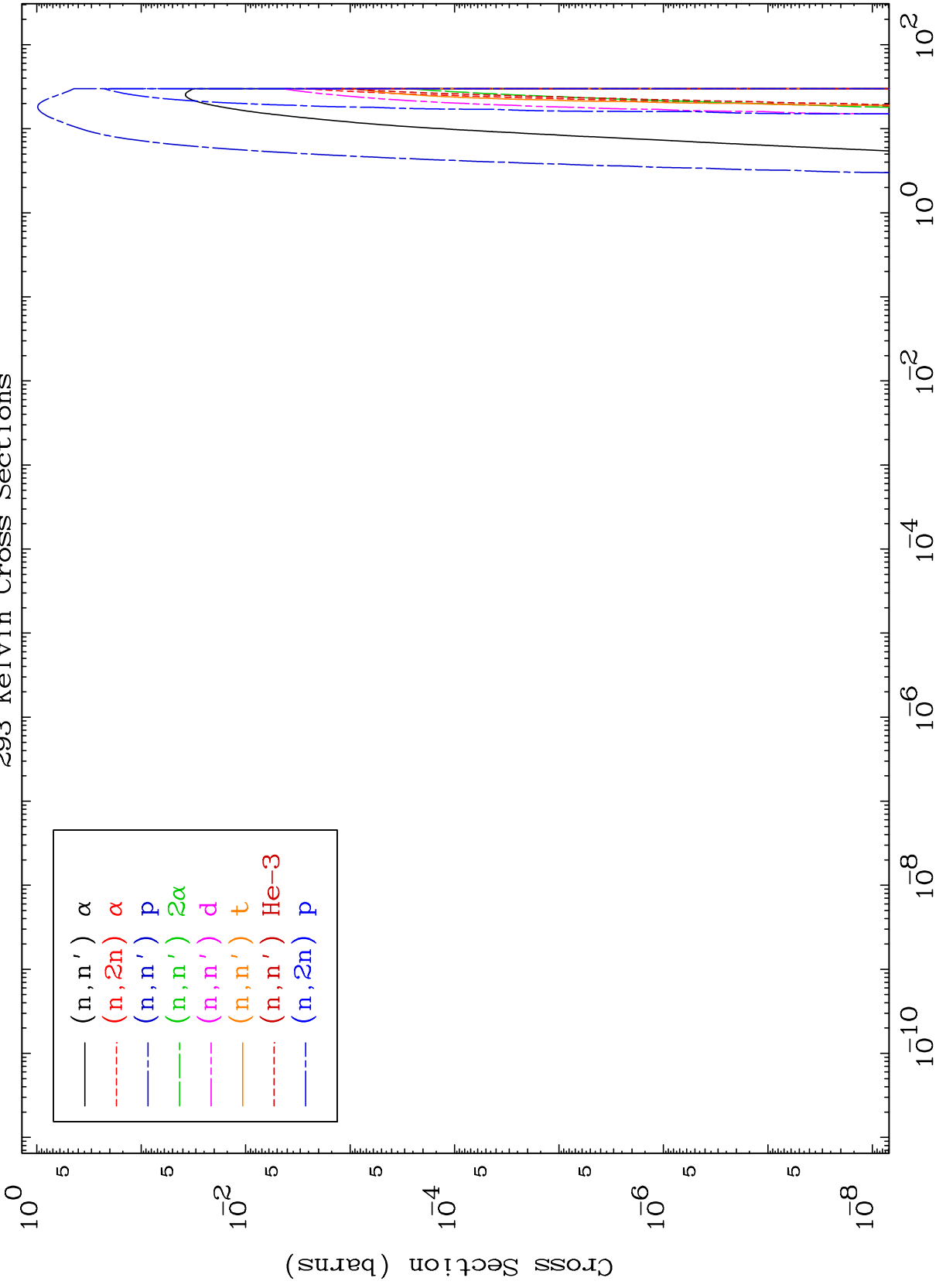
61-Pm-133m



MAT 6108

Charged Particle
293 Kelvin Cross Sections

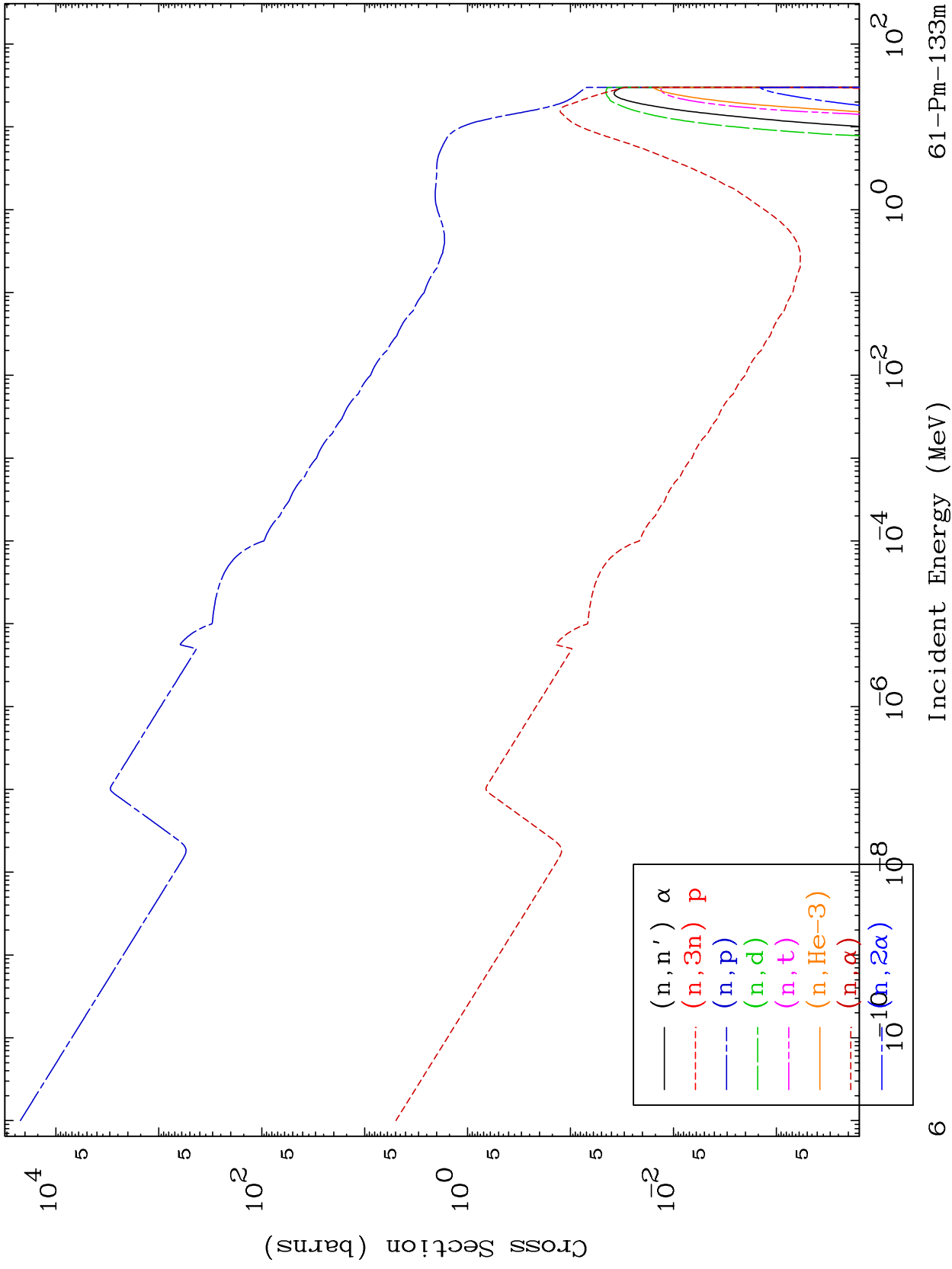
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MAT 6108

Charged Particle
293 Kelvin Cross Sections

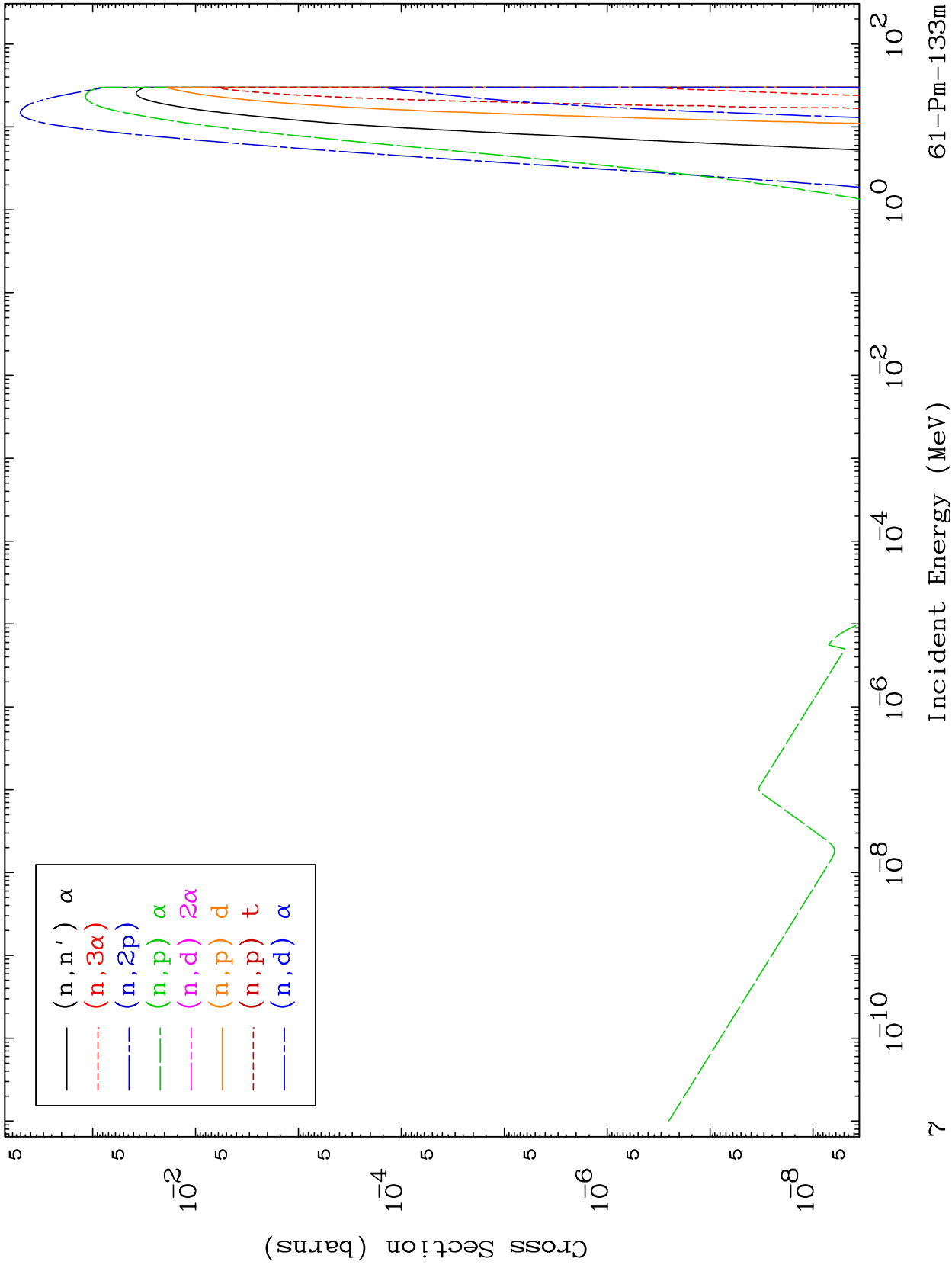
61-Pm-133m



MAT 6108

Charged Particle
293 Kelvin Cross Sections

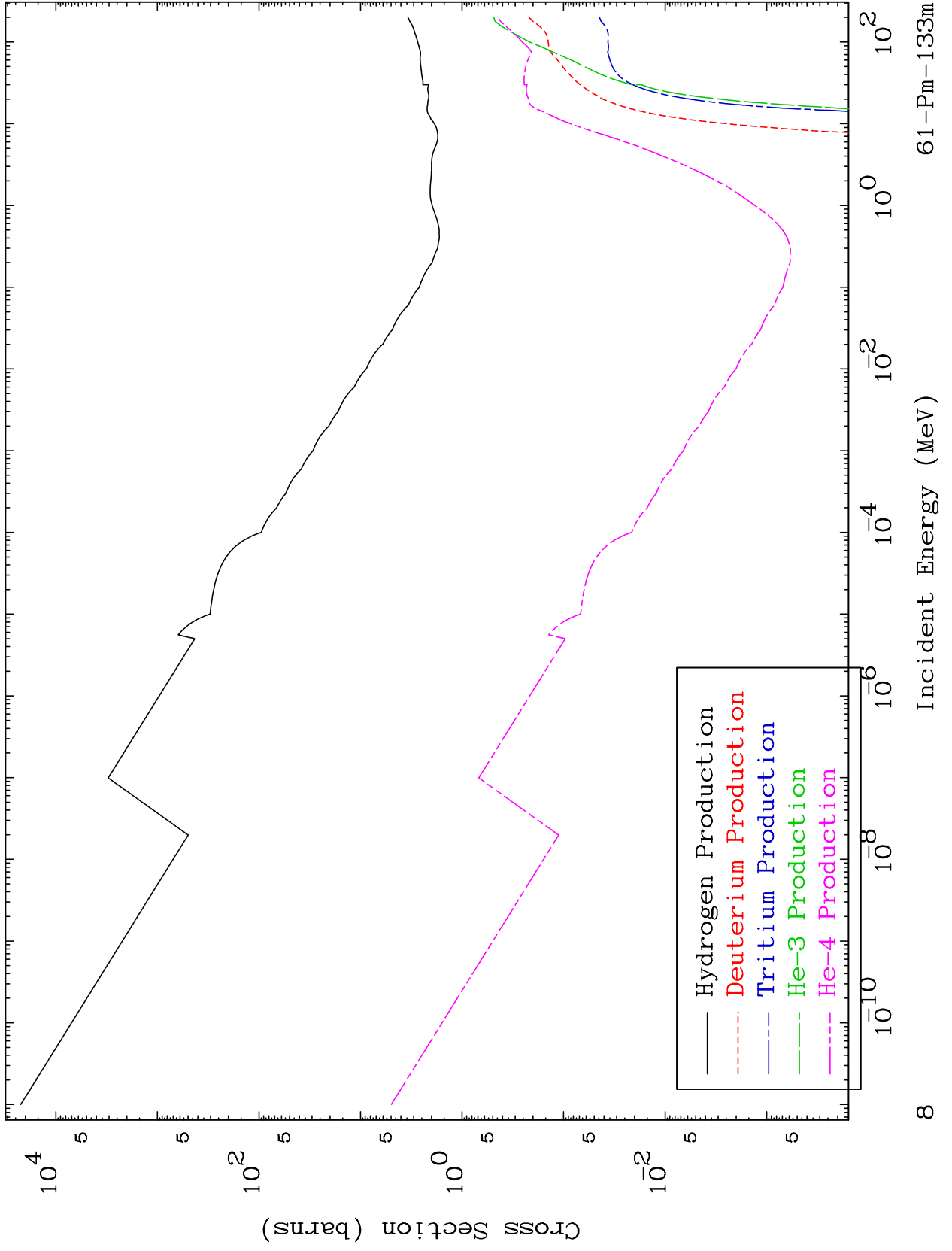
61-Pm-133m



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Particle Production
293 Kelvin Cross Sections

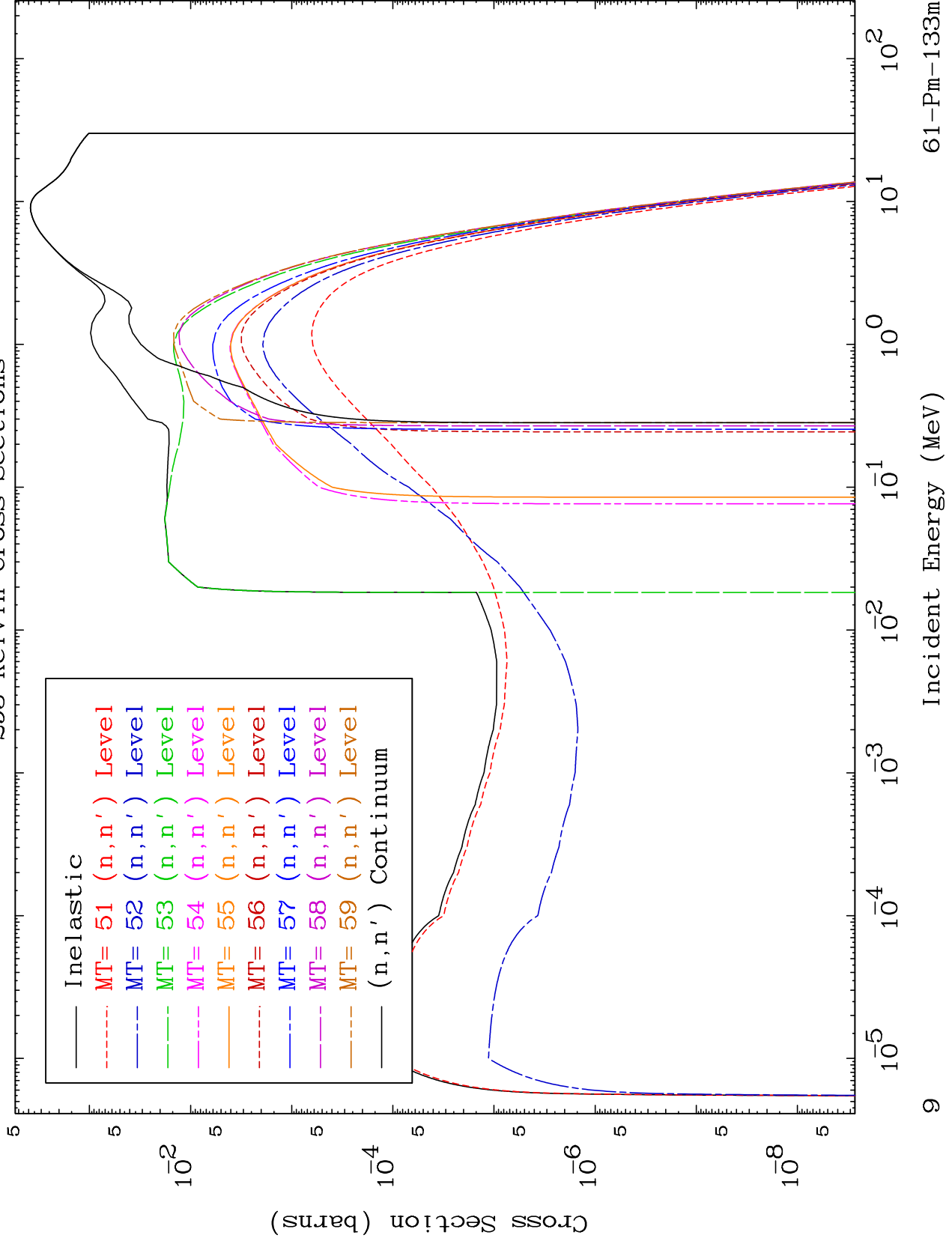
61-Pm-133m



MAT 6108

(n,n') Levels
293 Kelvin Cross Sections

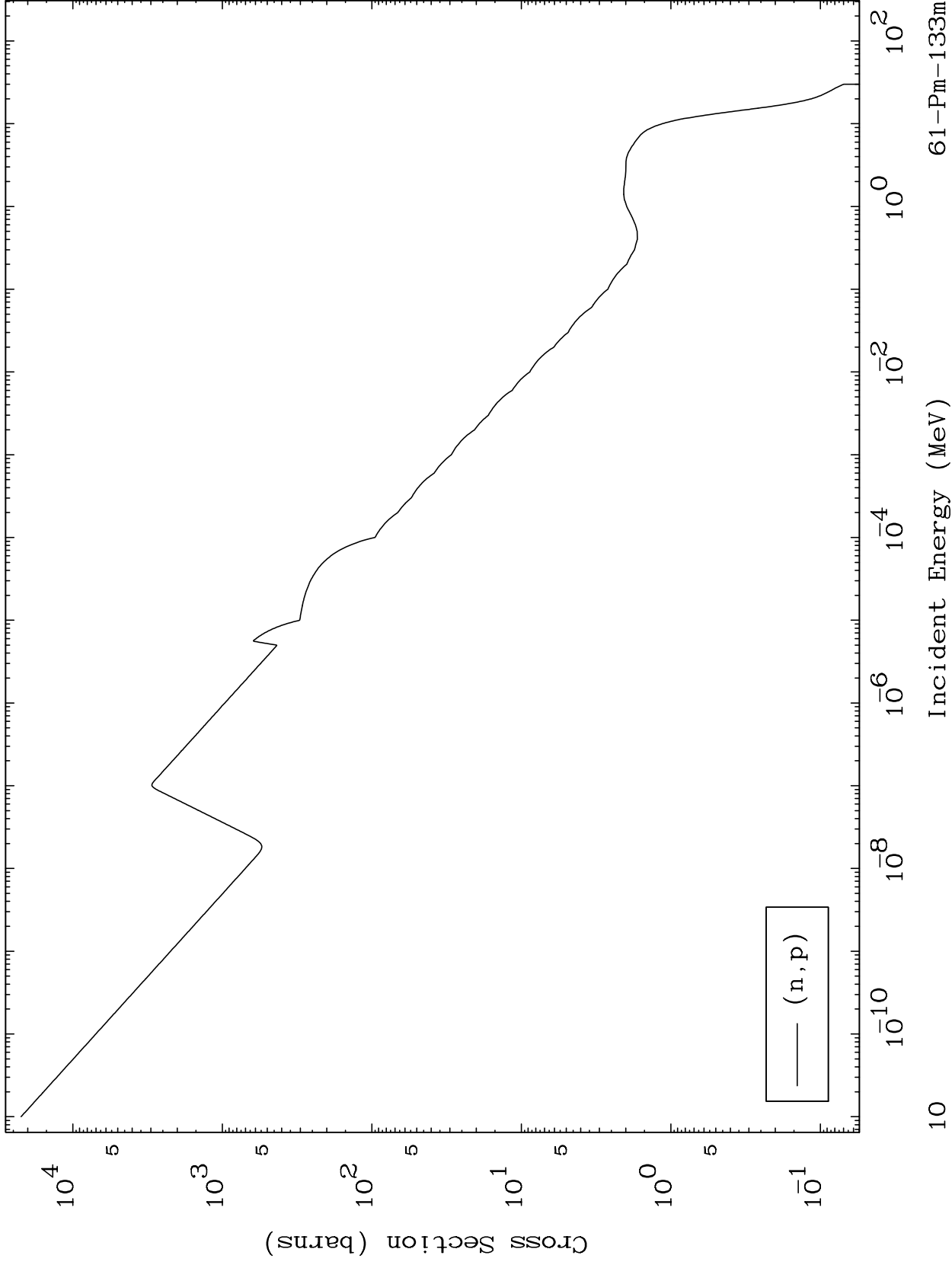
61-Pm-133m



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(n,p) Levels
293 Kelvin Cross Sections

61-Pm-133m



10

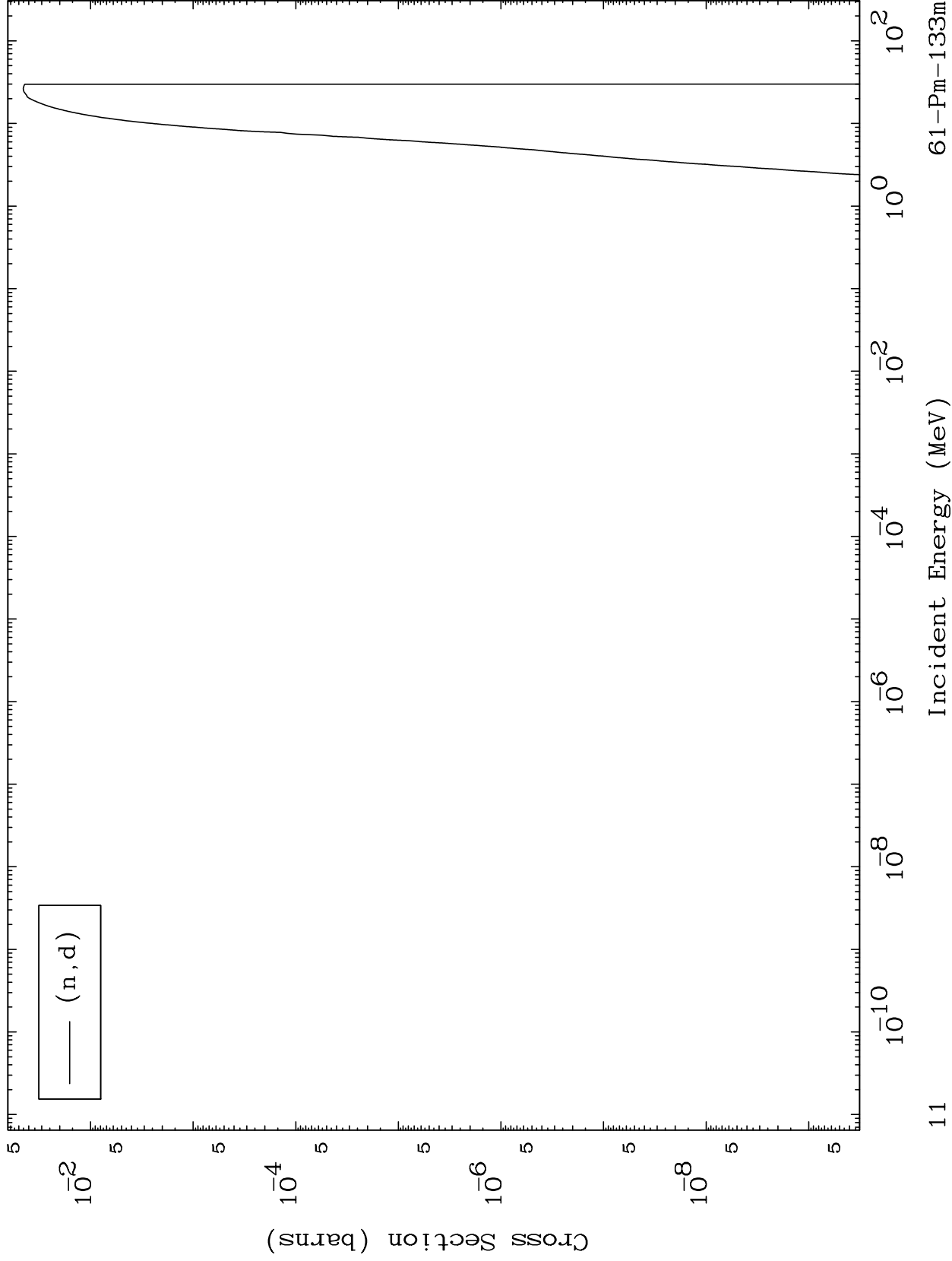
Incident Energy (MeV)

61-Pm-133m

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(n,d) Levels
293 Kelvin Cross Sections

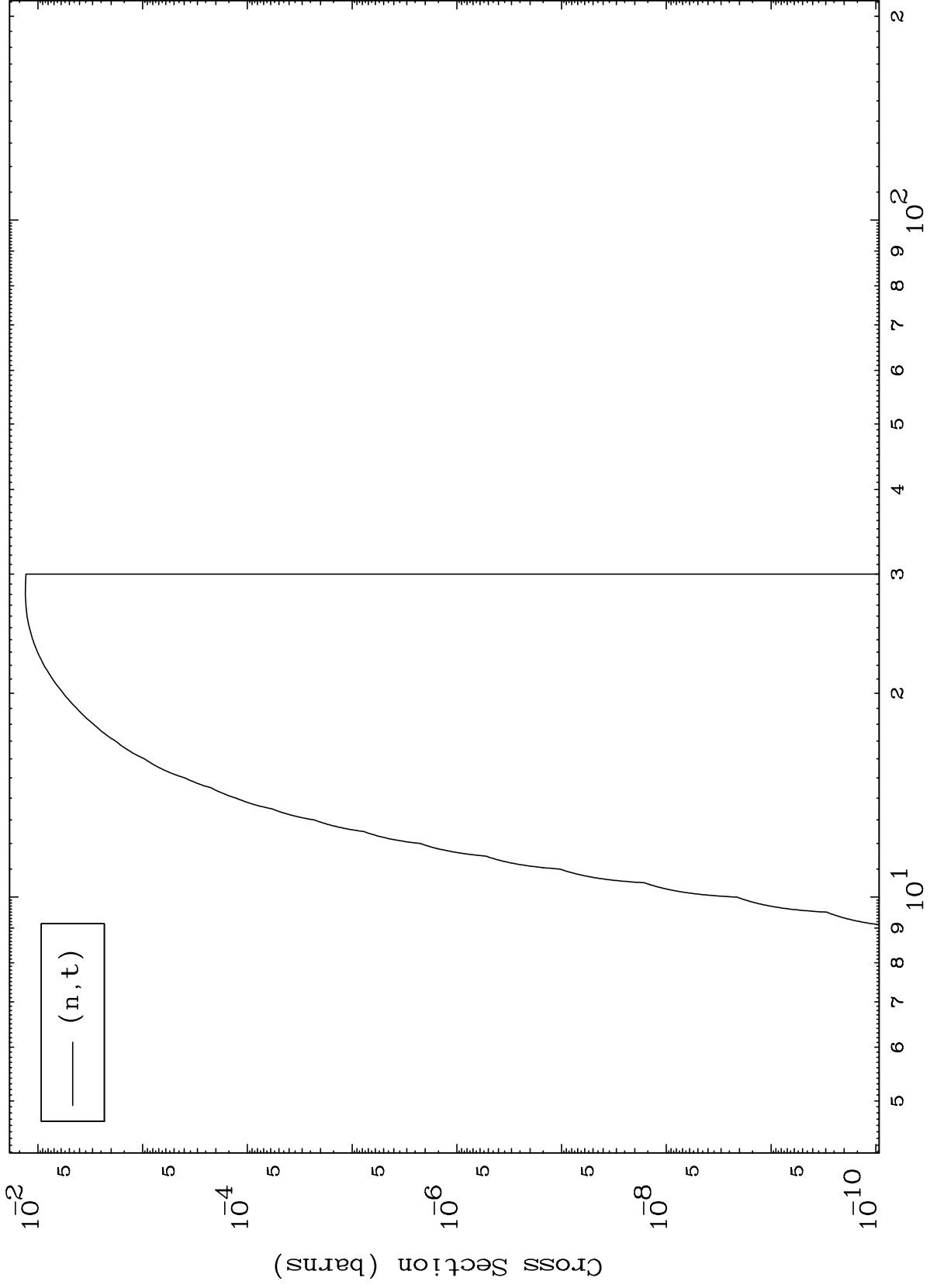
61-Pm-133m



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(n,t) Levels
293 Kelvin Cross Sections

61-Pm-133m



12

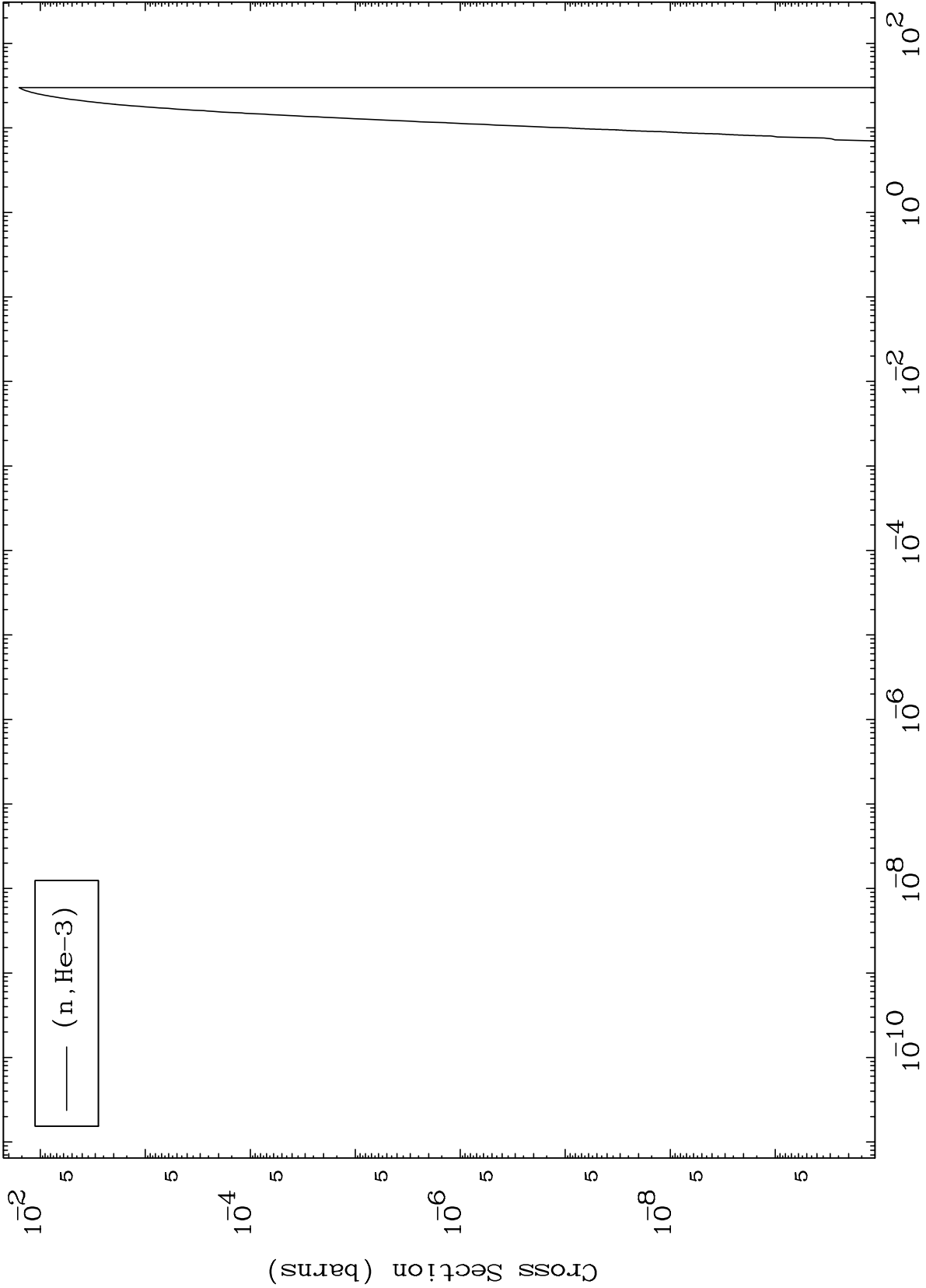
Incident Energy (MeV)

61-Pm-133m

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(n,He3) Levels
293 Kelvin Cross Sections

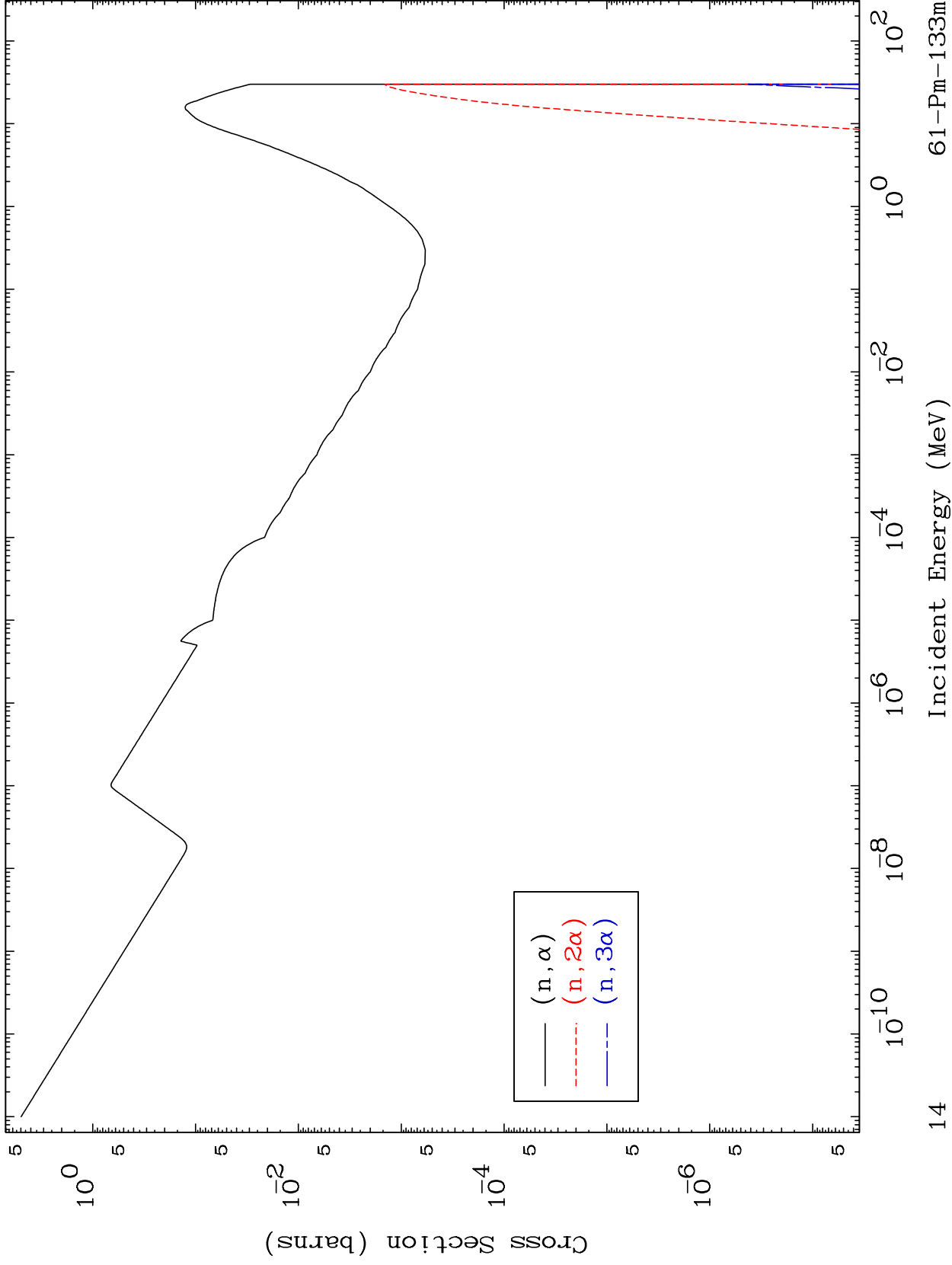
61-Pm-133m



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(n, α) Levels
293 Kelvin Cross Sections

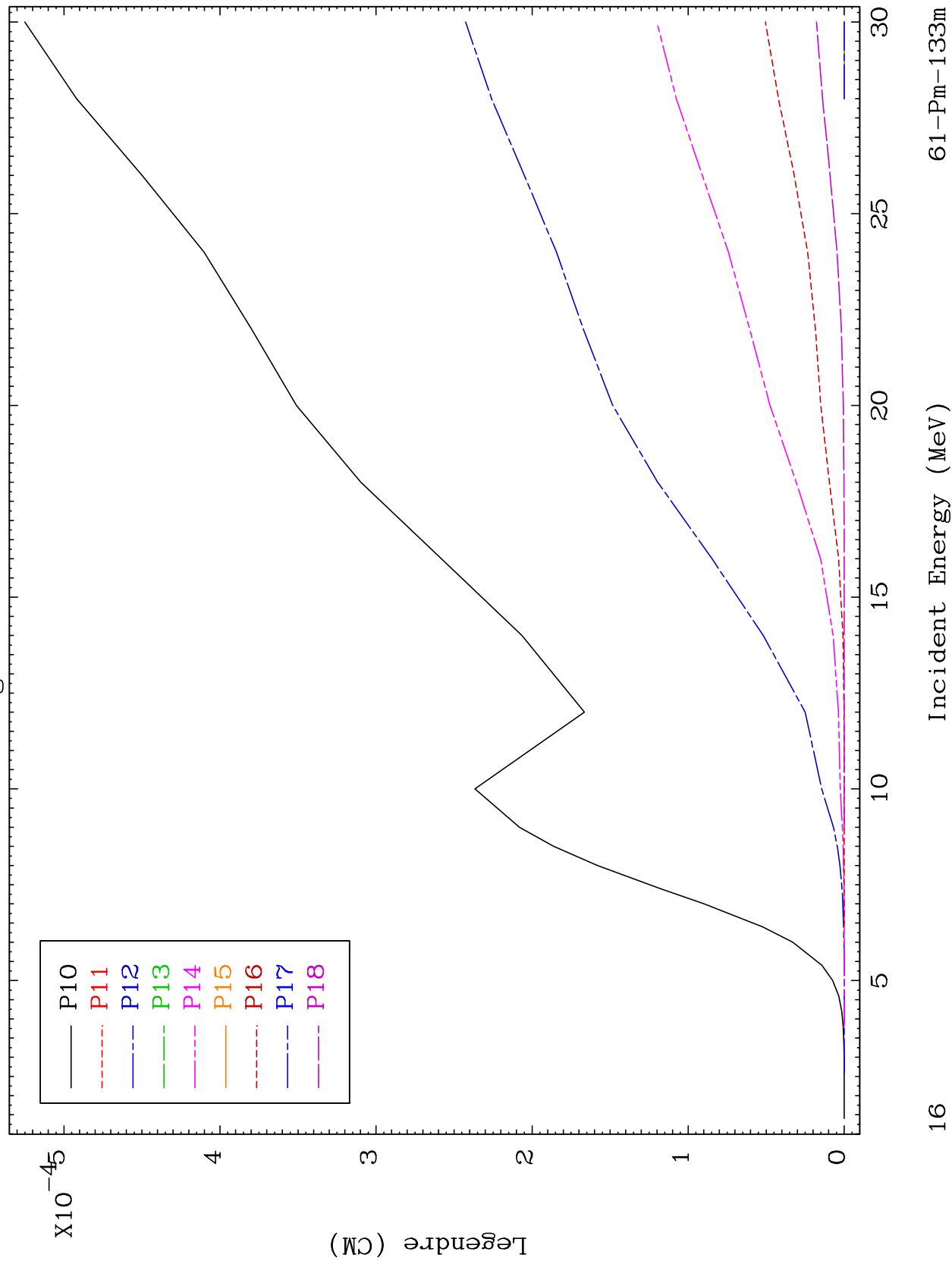
61-Pm-133m



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Elastic Legendre Coefficients

61-Pm-133m



16

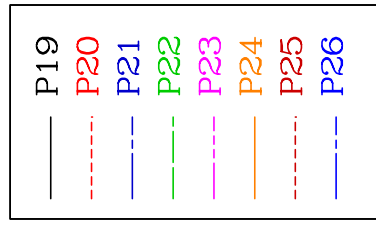
61-Pm-133m

Incident Energy (MeV)

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Elastic
Legendre Coefficients

61-Pm-133m



$\times 10^{-6}$
1.5
1.0
0.5
0.0

Legendre (CM)

15

20

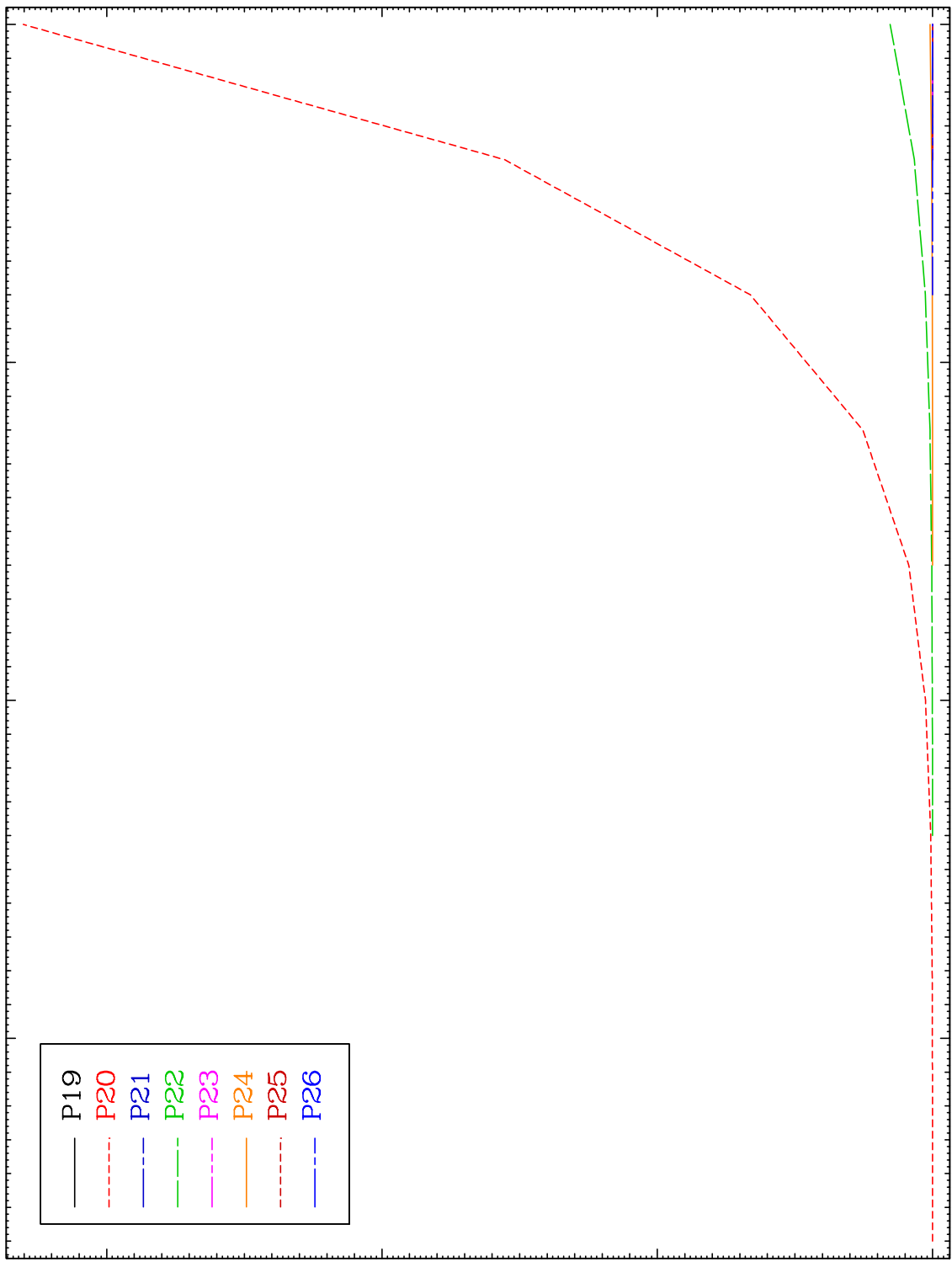
25

30

17

Incident Energy (MeV)

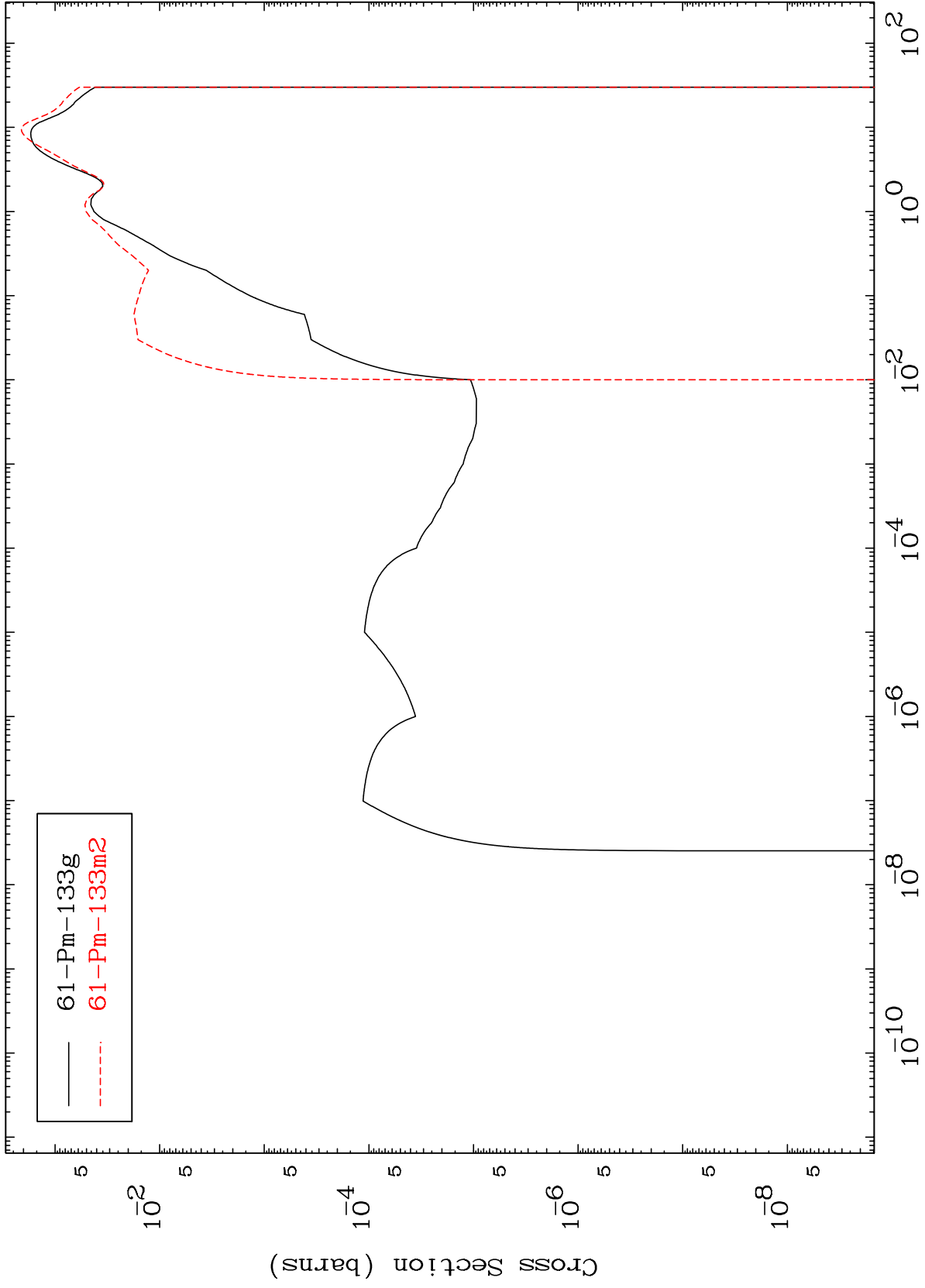
61-Pm-133m



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Inelastic
Radionuclide Production Cross Section

61-Pm-133m



61-Pm-133m

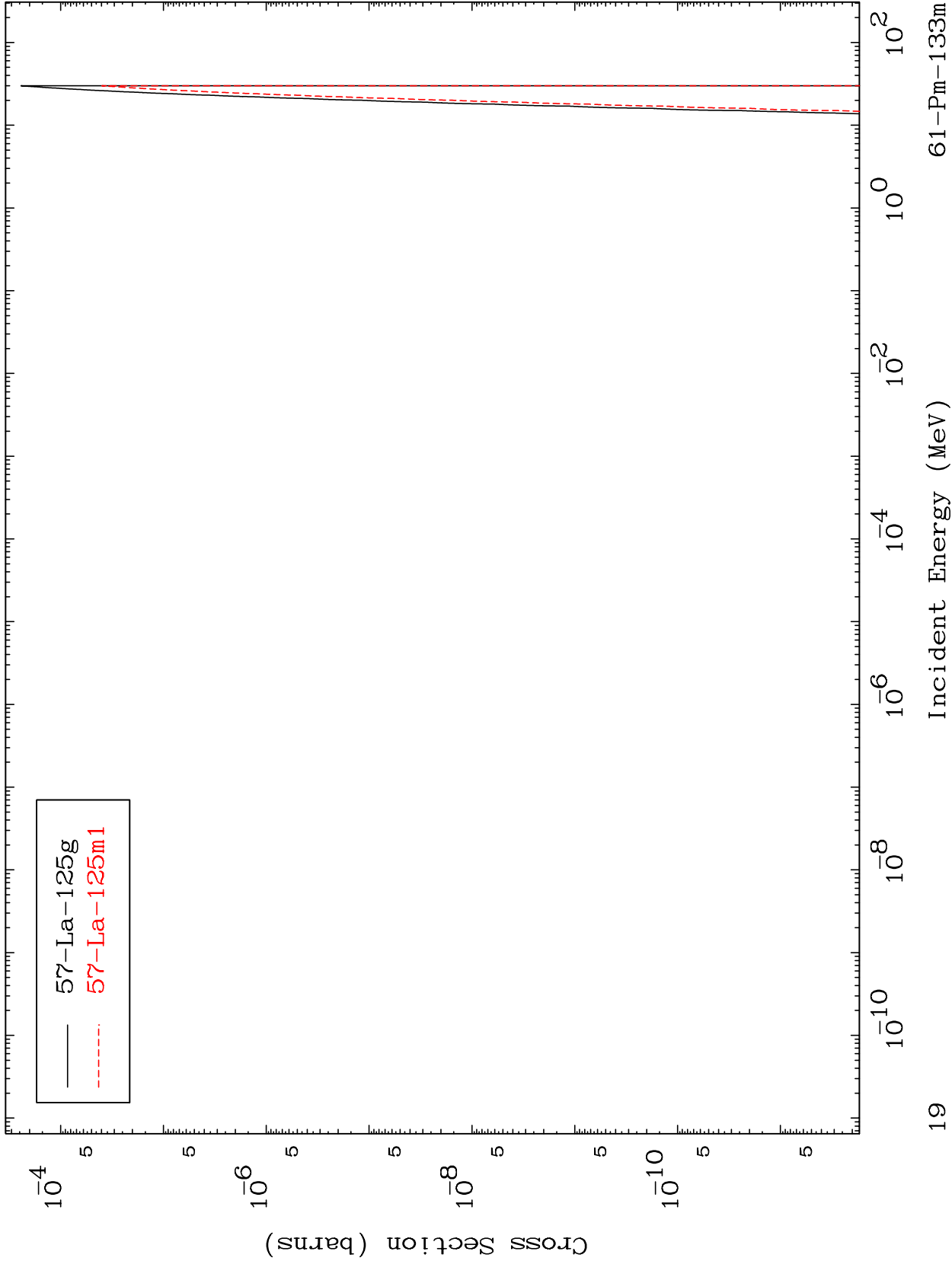
Incident Energy (MeV)

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(n,n') 2α

61-Pm-133m

Radionuclide Production Cross Section

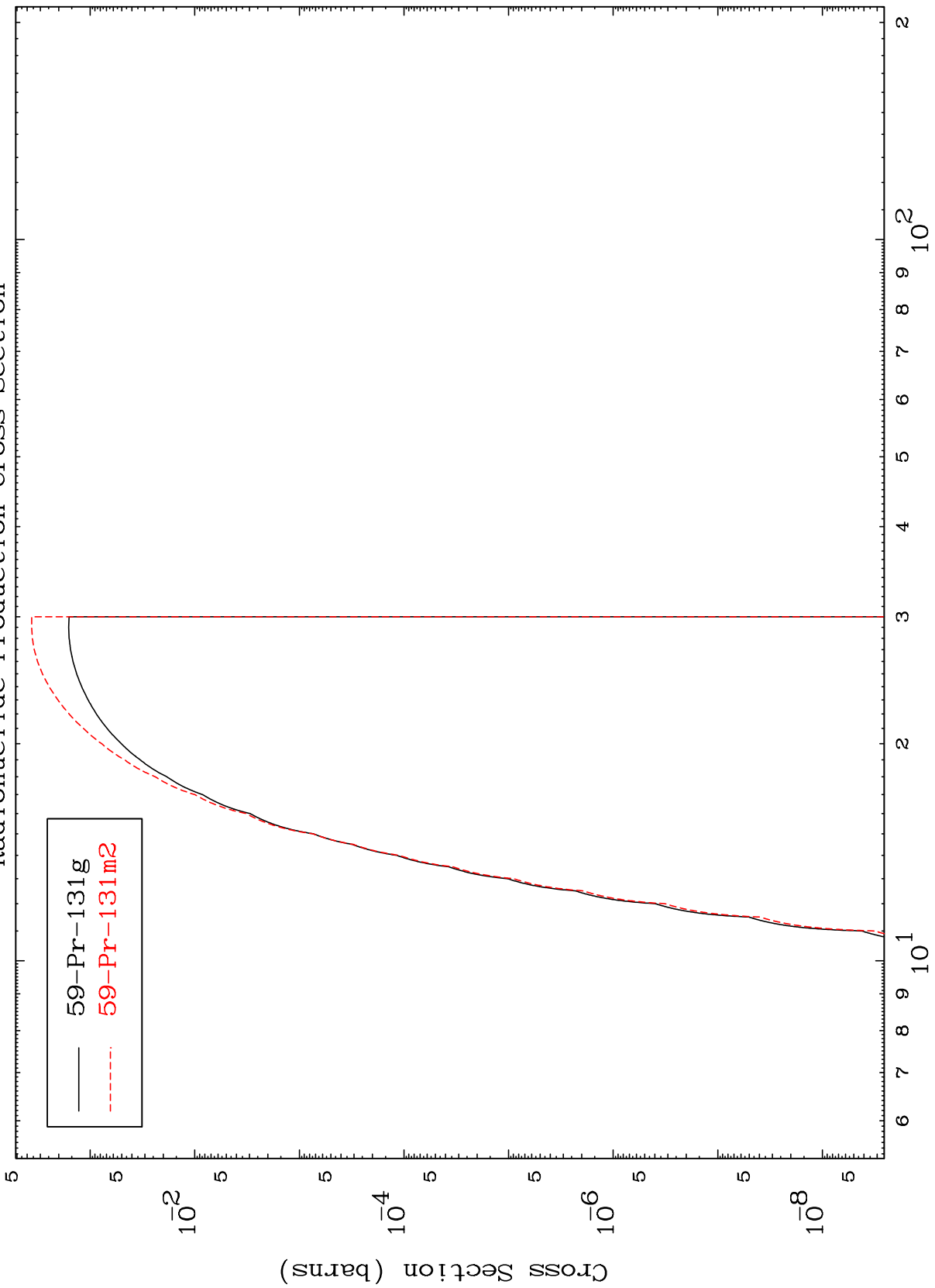


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61-Pm-133m

(n,2n) p

Radionuclide Production Cross Section



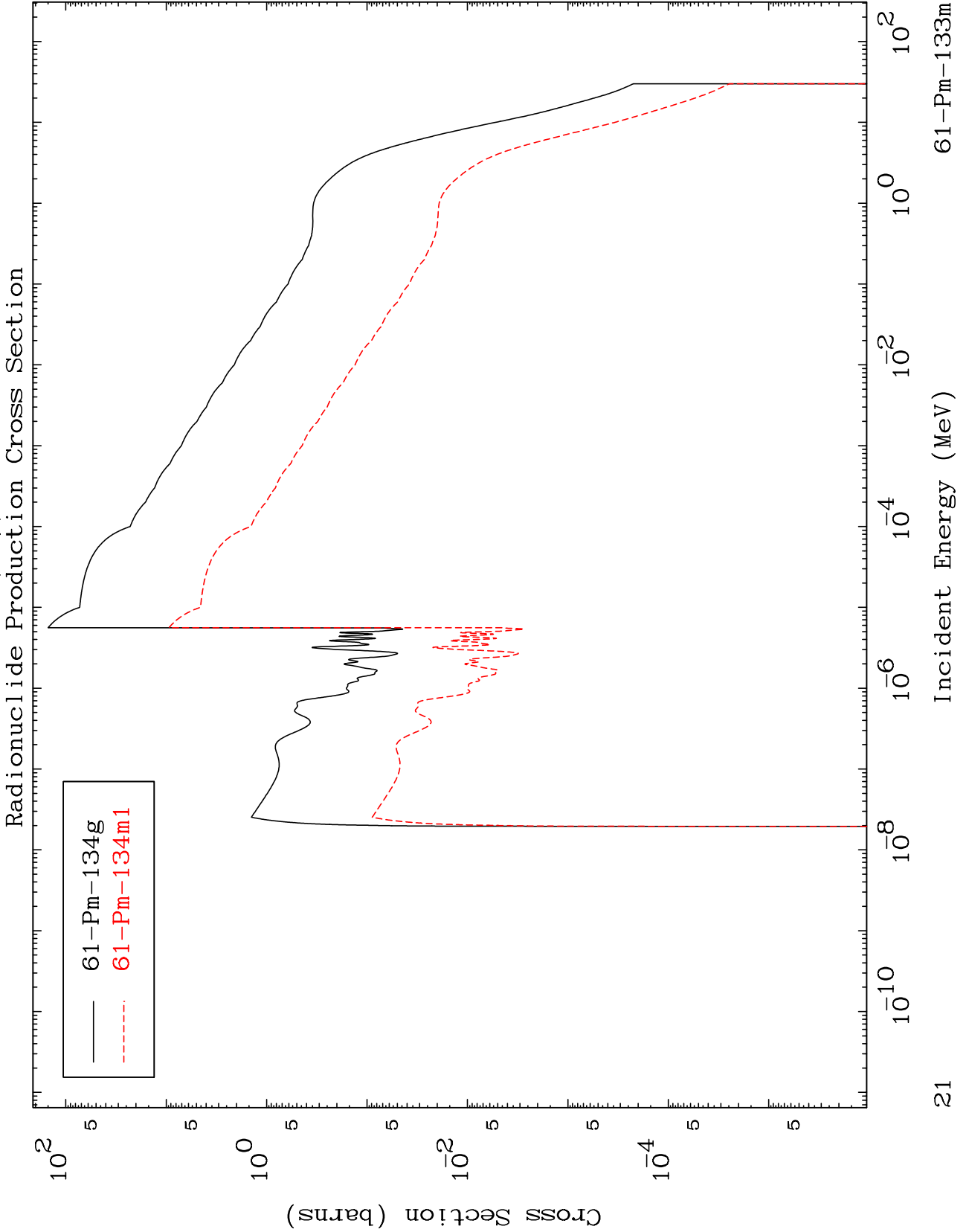
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Incident Energy (MeV)

61-Pm-133m

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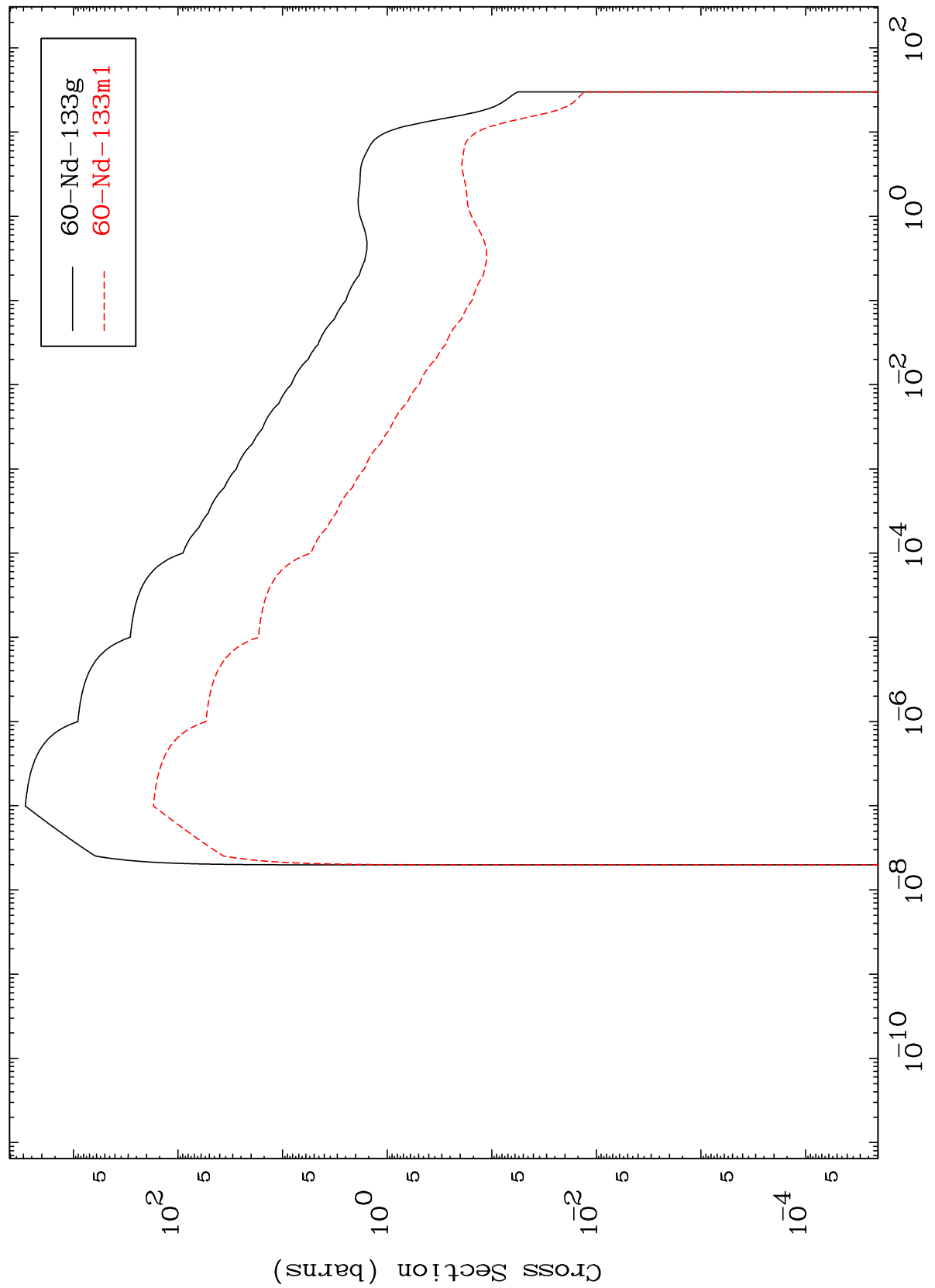
61-Pm-133m



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61-Pm-133m

(n,p)
Radionuclide Production Cross Section



61-Pm-133m

Incident Energy (MeV)

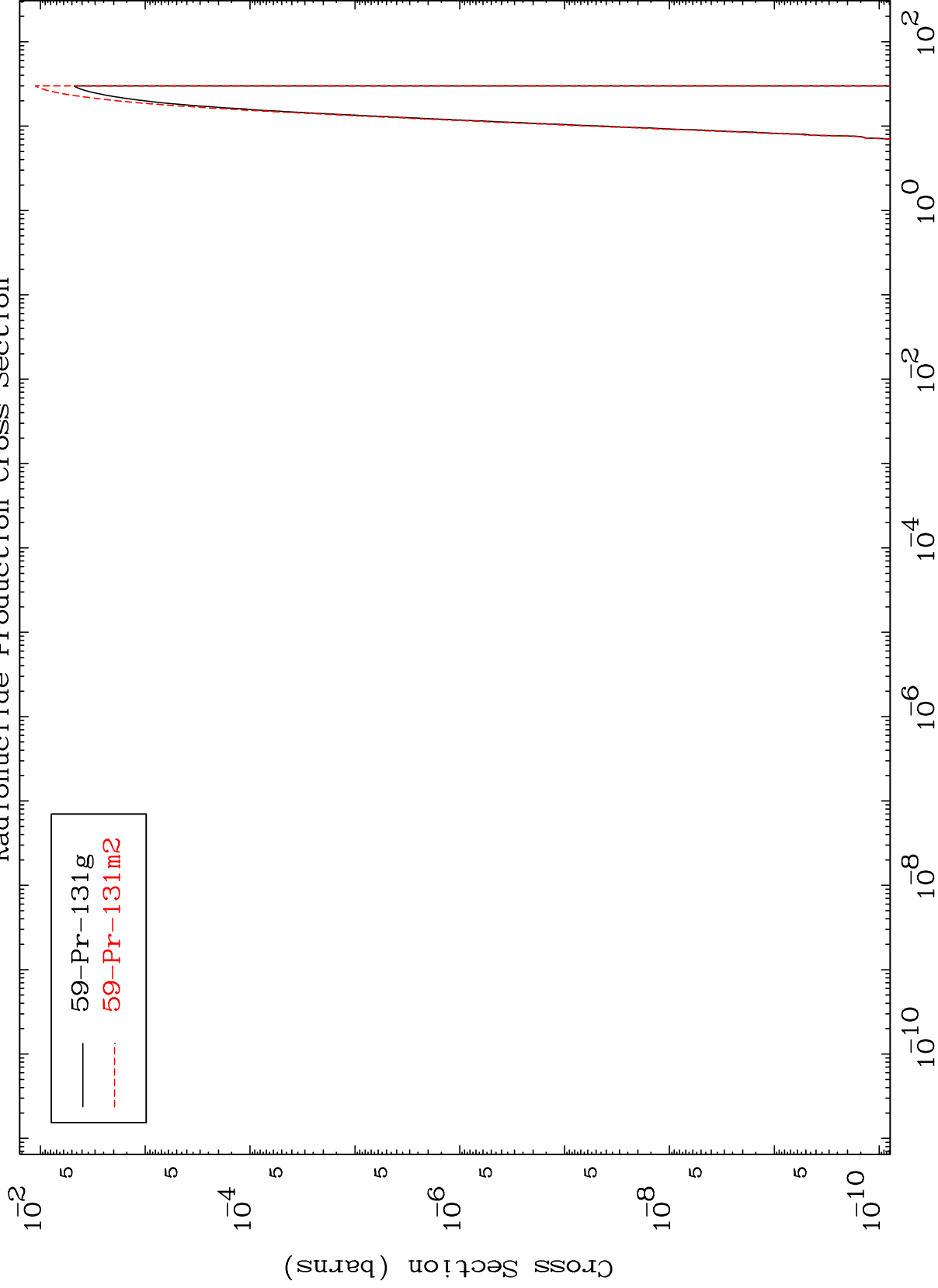
22

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(n,He-3)

61-Pm-133m

Radionuclide Production Cross Section

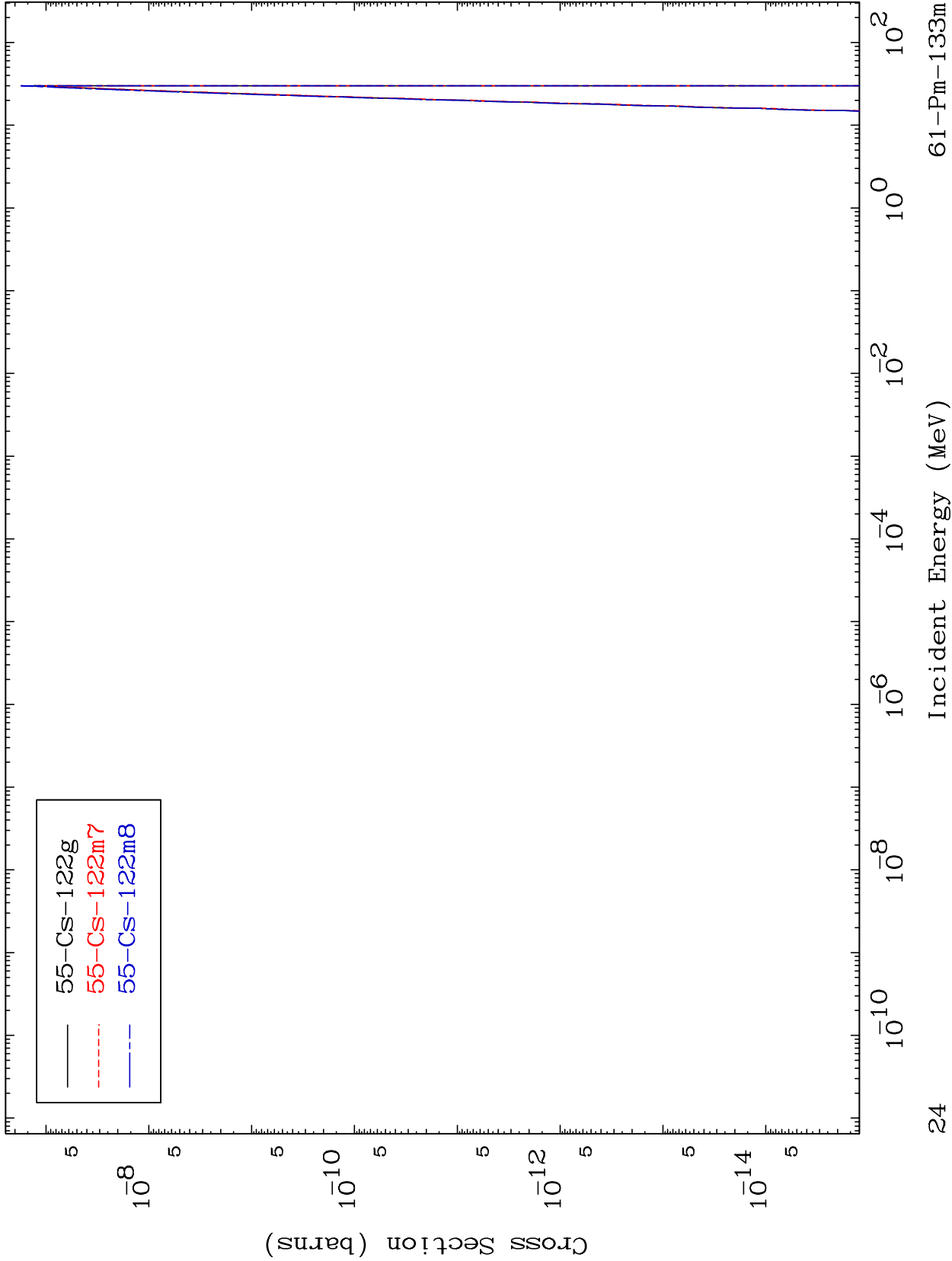


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(n, 3 α)

61-Pm-133m

Radionuclide Production Cross Section

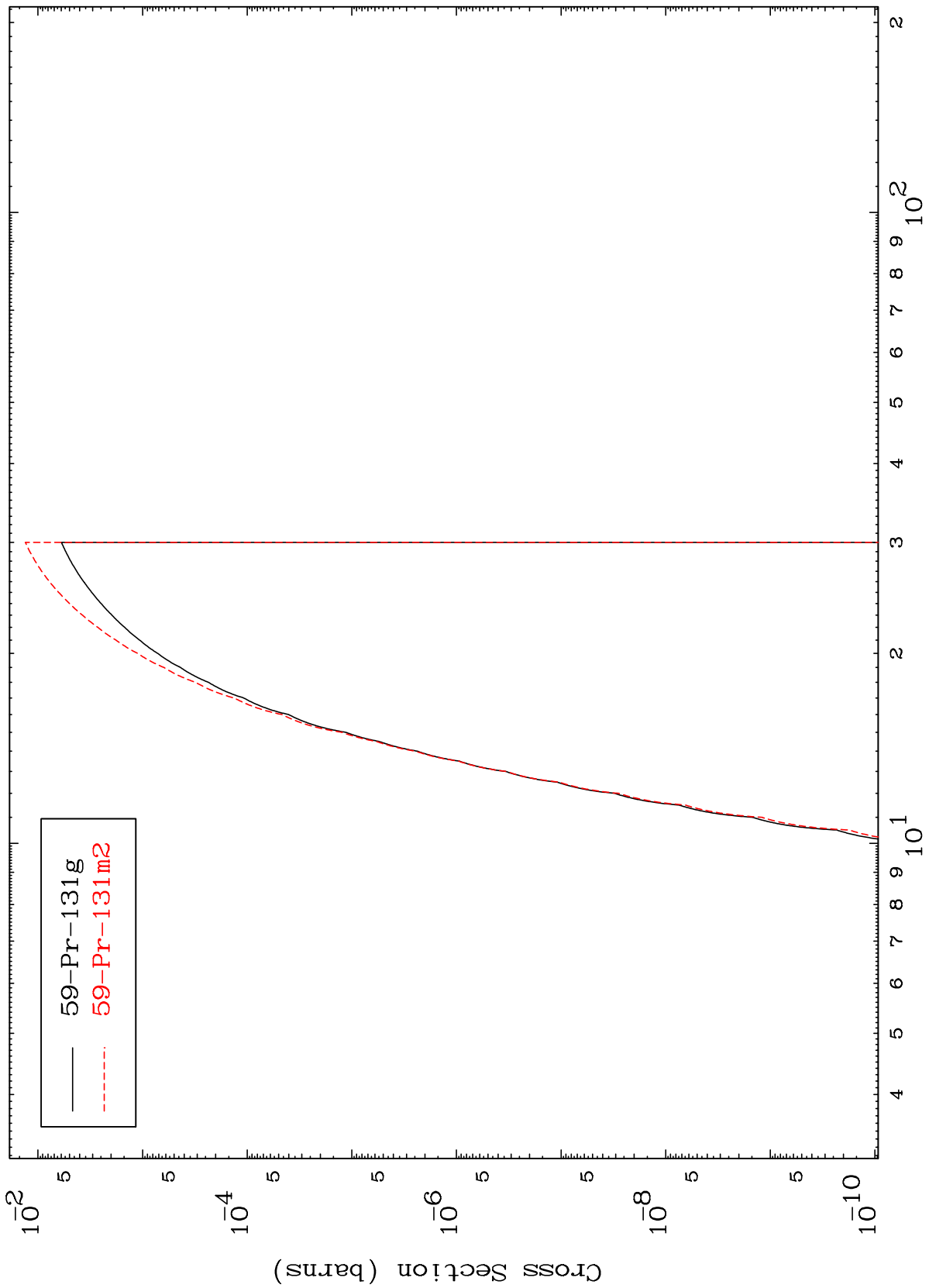


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(n,p) d

61-Pm-133m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

61-Pm-133m