

Program EVALPLOT
(Version 2021-1)

by

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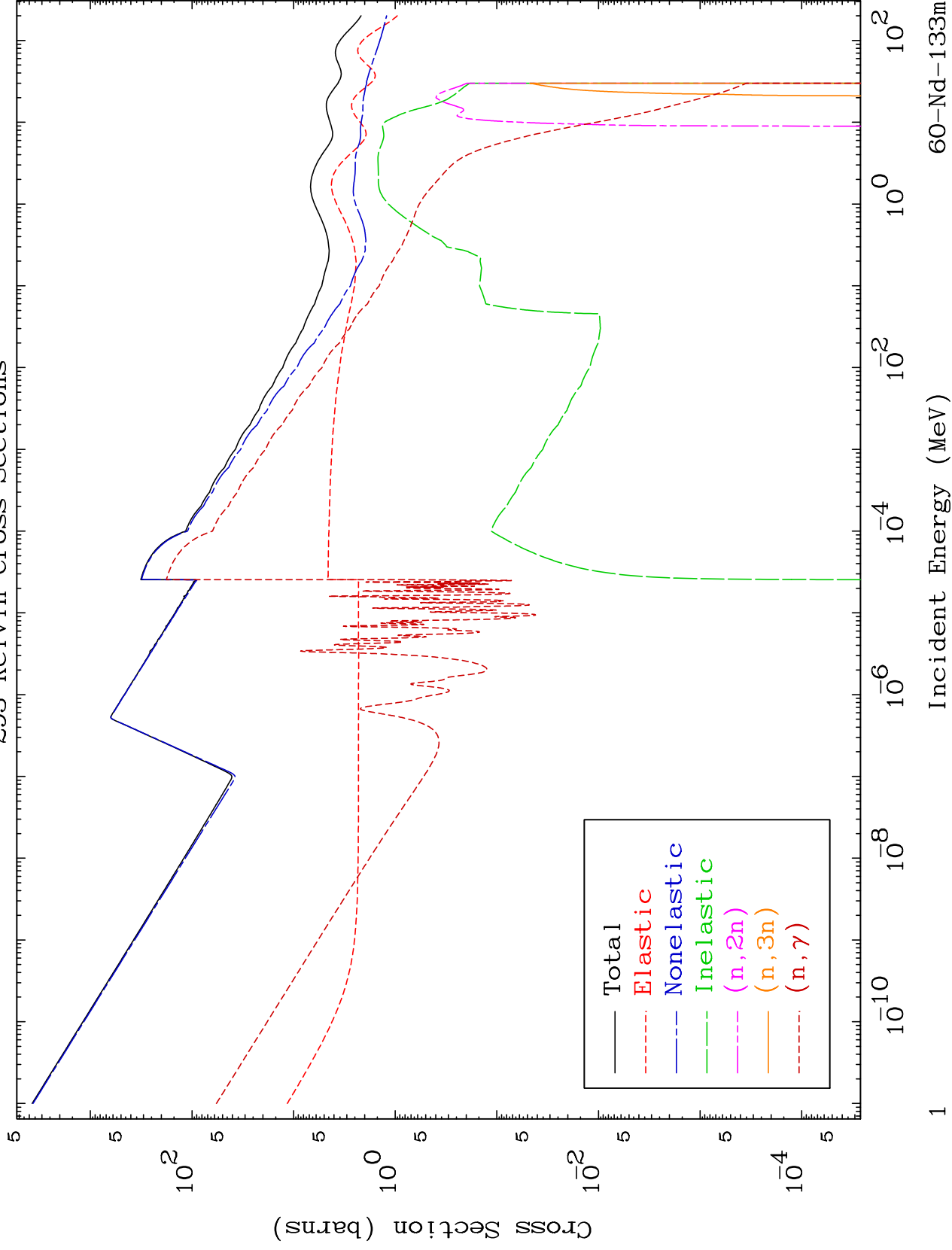
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5999

Neutron Major
293 Kelvin Cross Sections

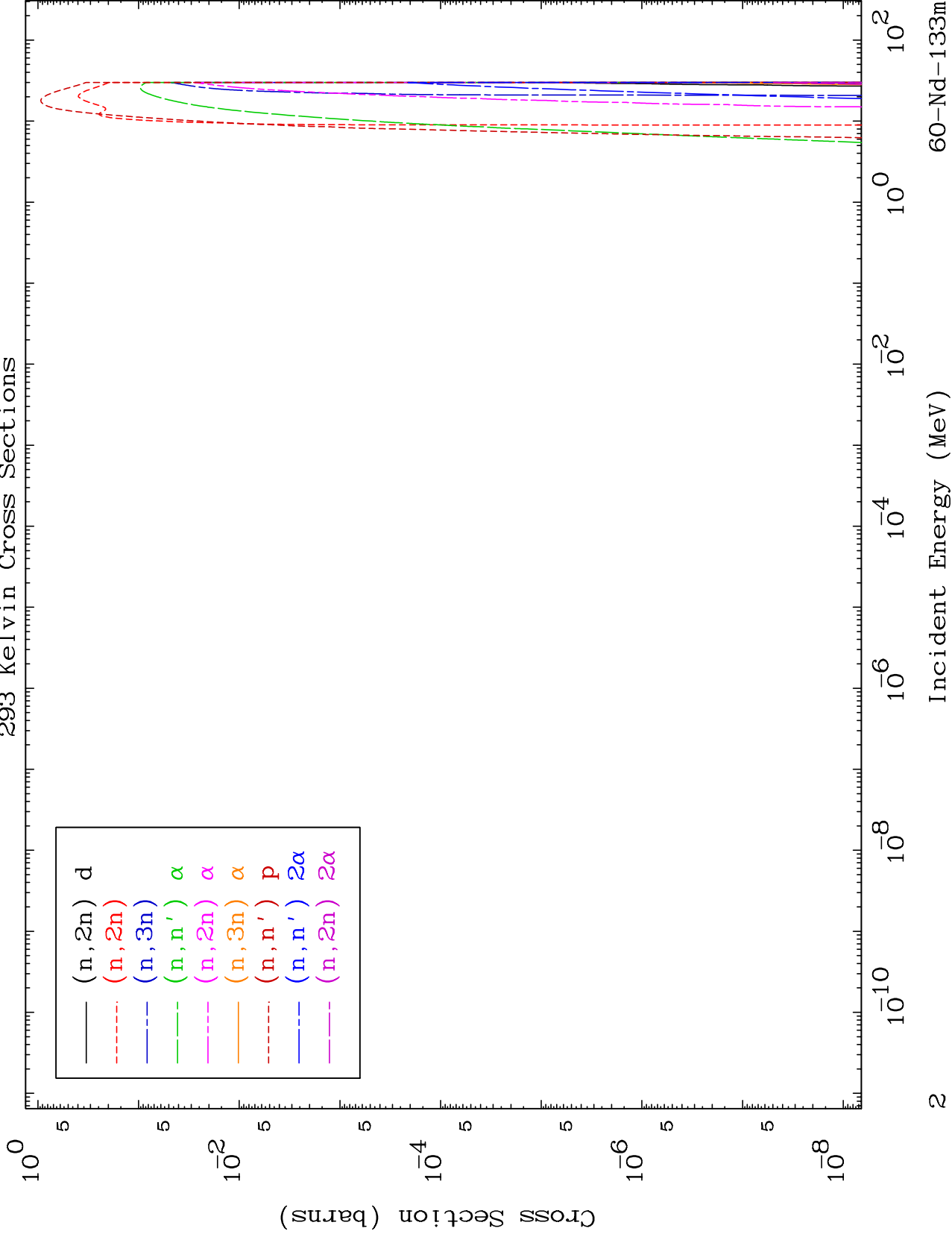
60-Nd-133m



MAT 5999

Neutron Absorption
293 Kelvin Cross Sections

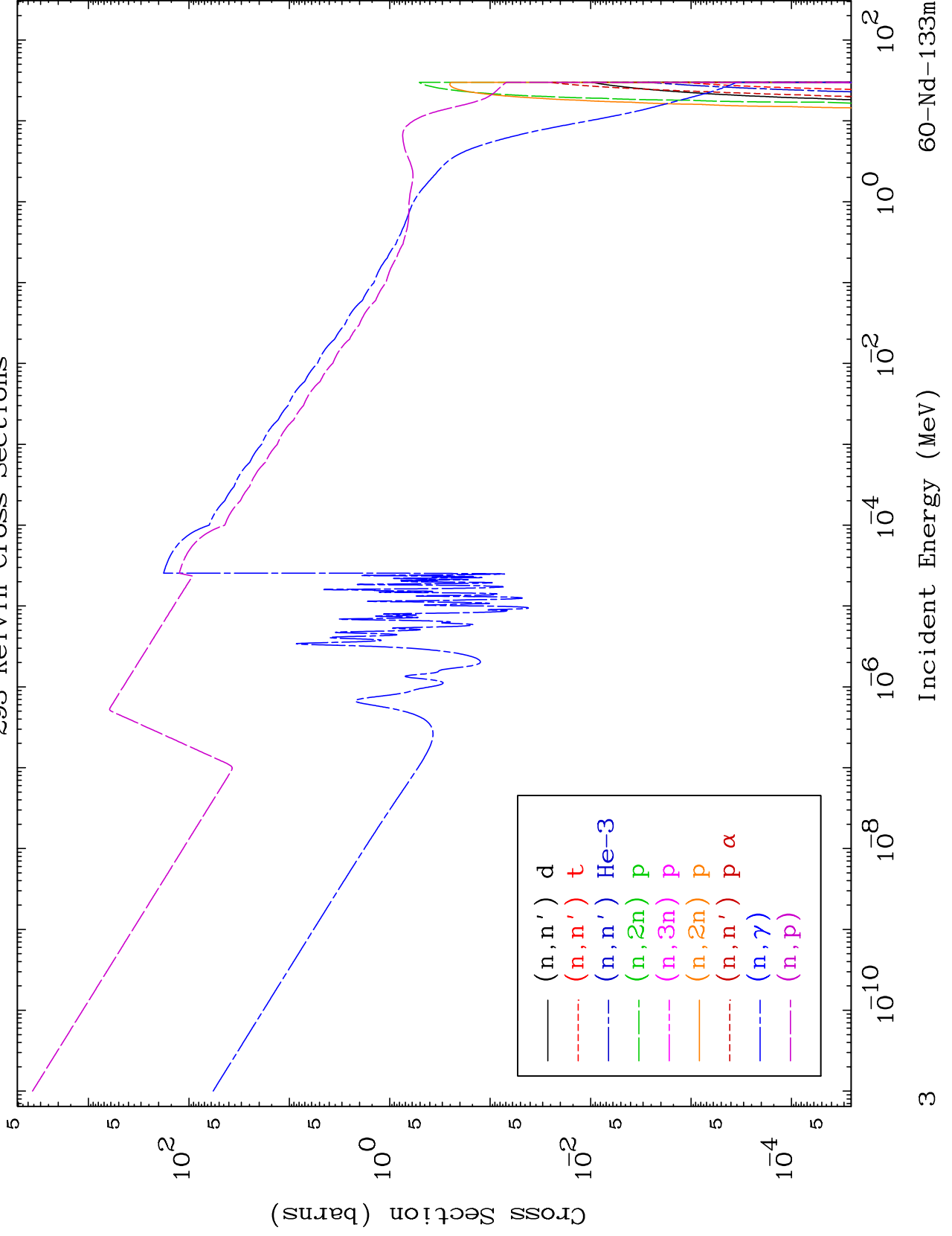
60-Nd-133m



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Neutron Absorption
293 Kelvin Cross Sections

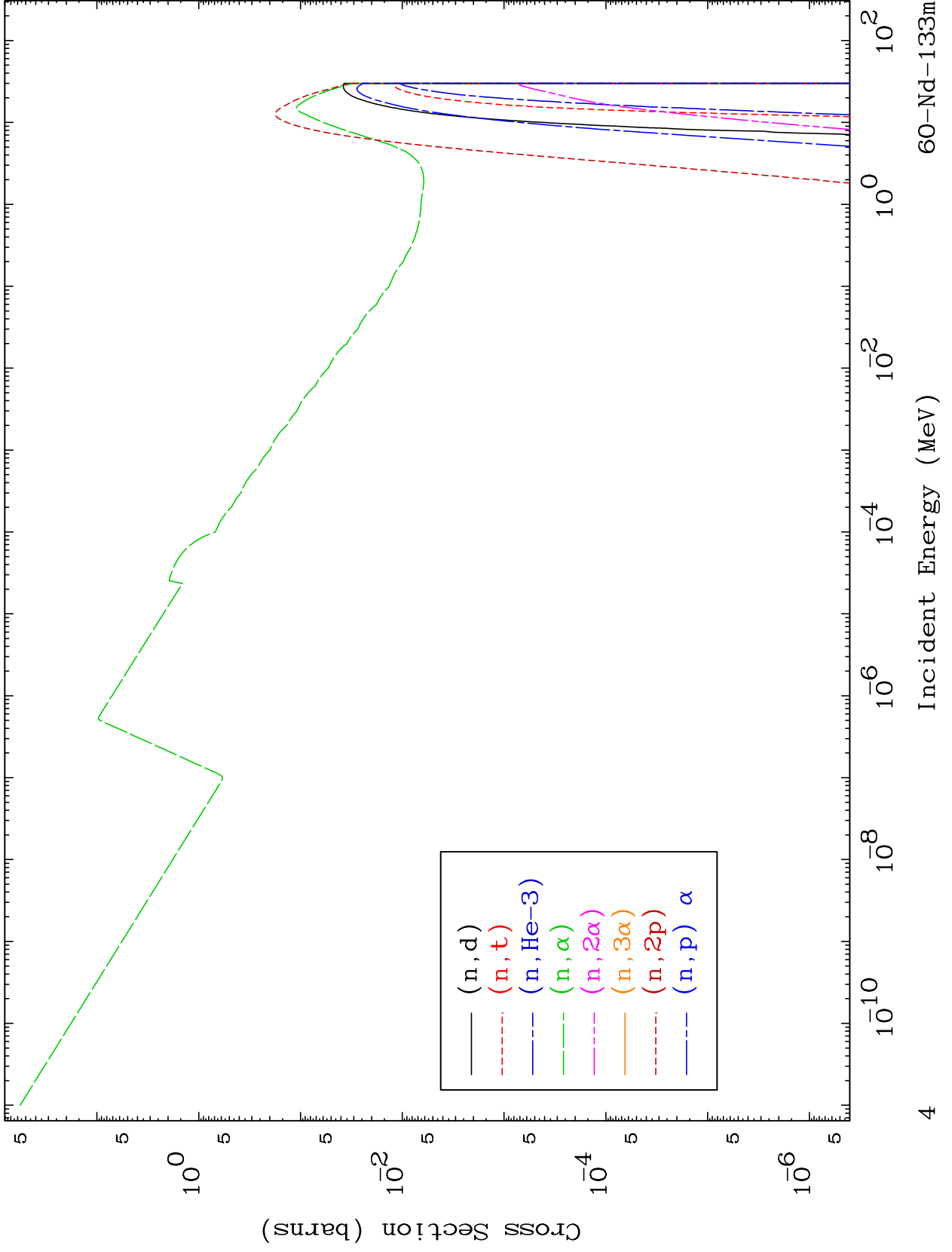
60-Nd-133m



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Neutron Absorption
293 Kelvin Cross Sections

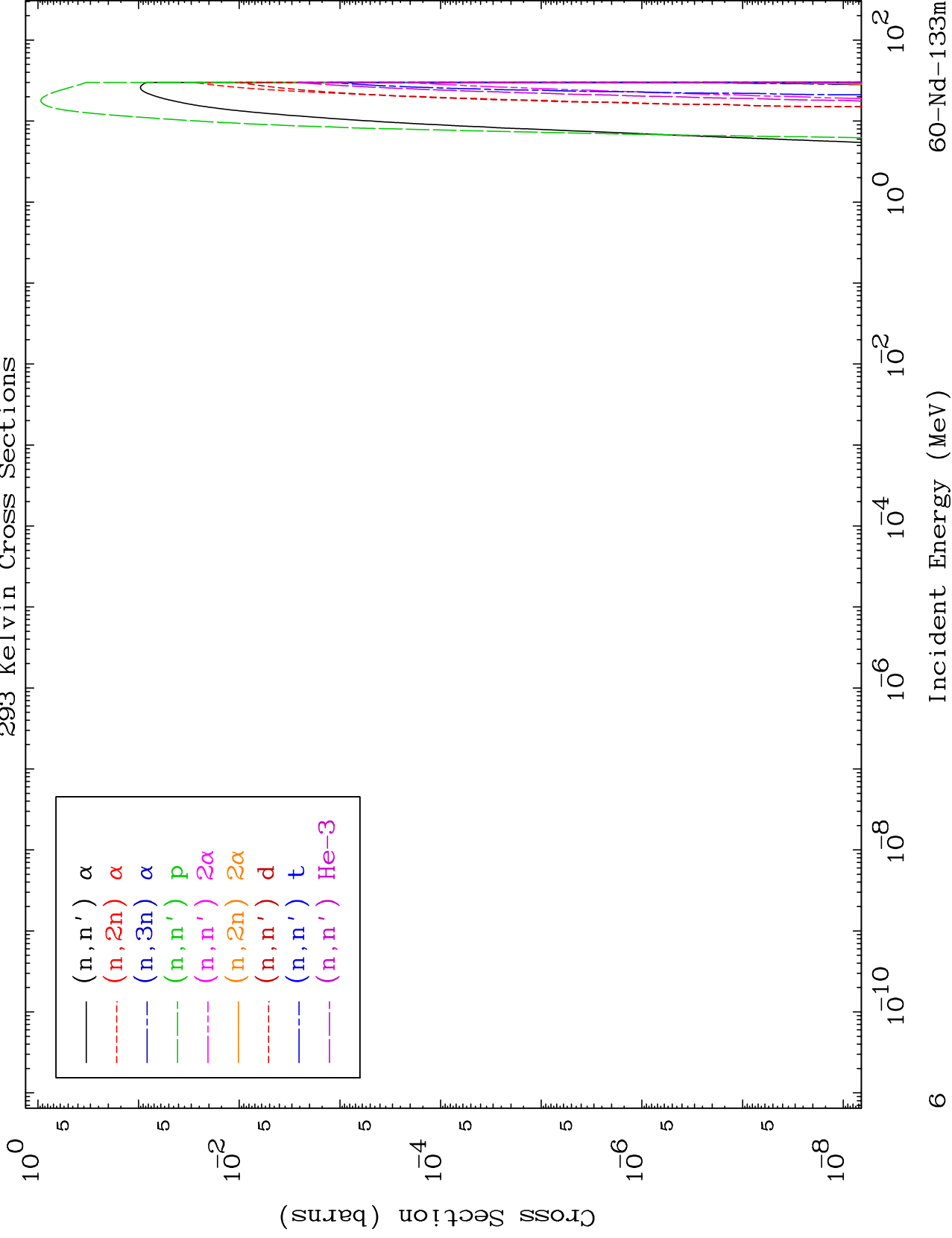
60-Nd-133m



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Charged Particle
293 Kelvin Cross Sections

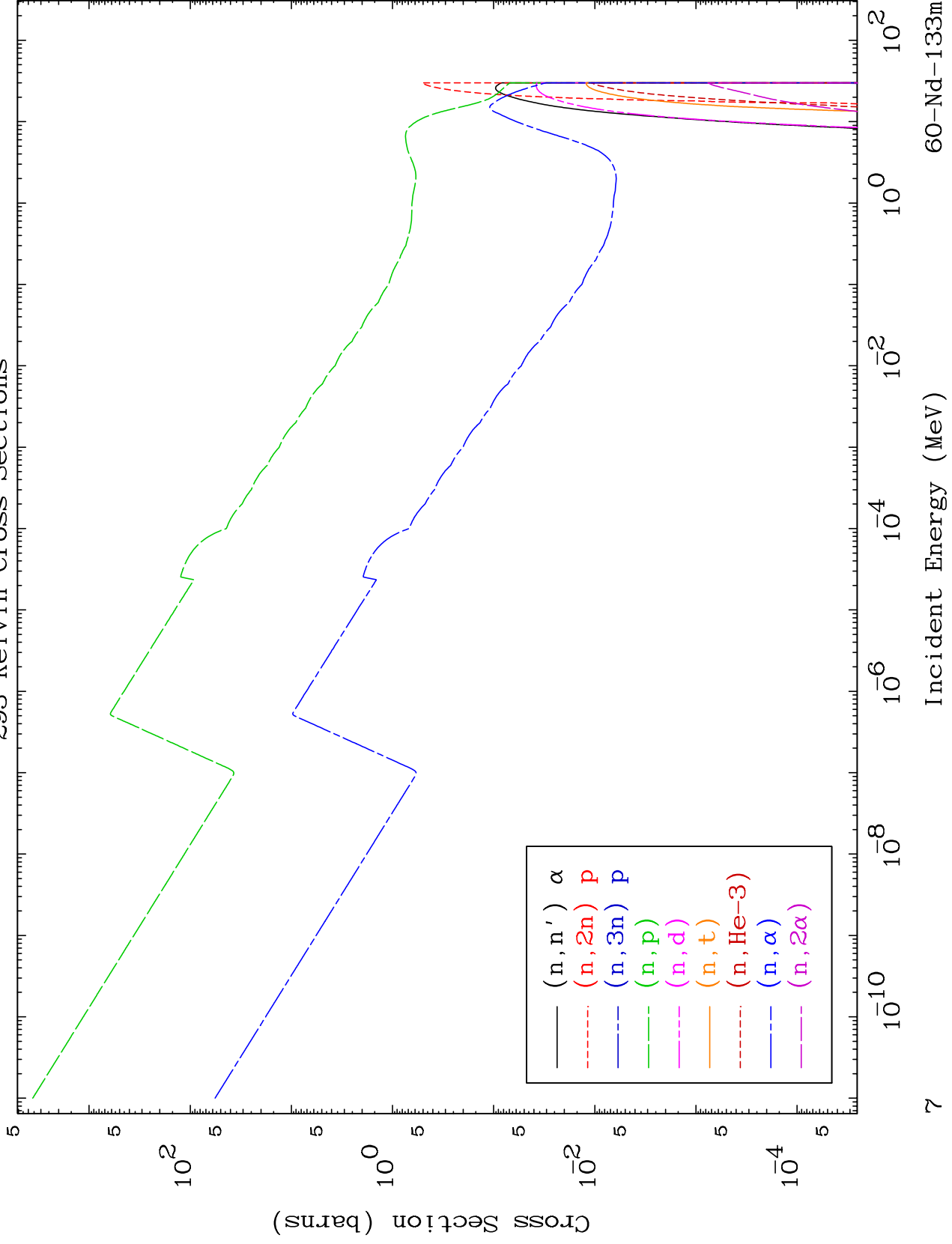
60-Nd-133m



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Charged Particle
293 Kelvin Cross Sections

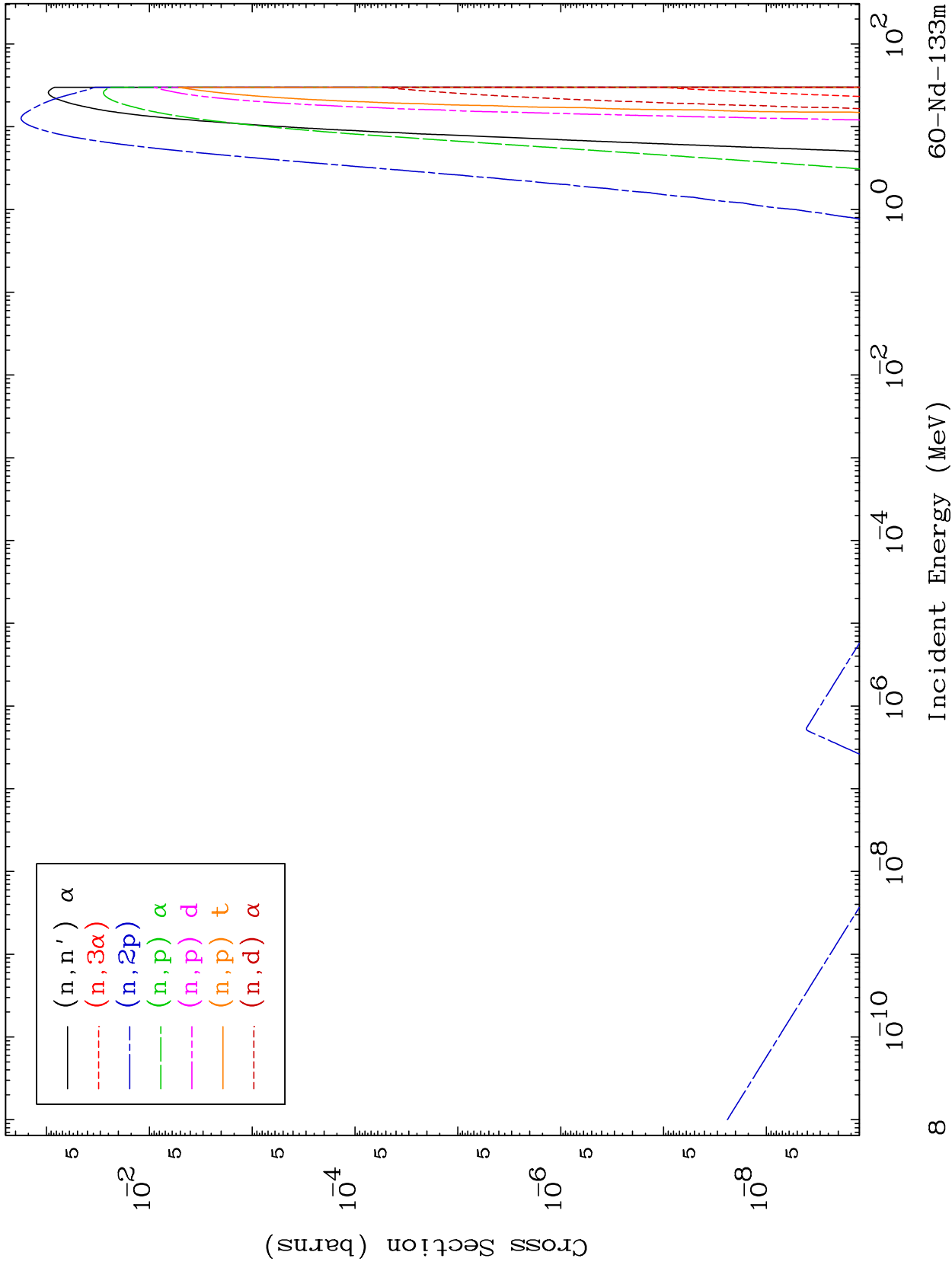
60-Nd-133m



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Charged Particle
293 Kelvin Cross Sections

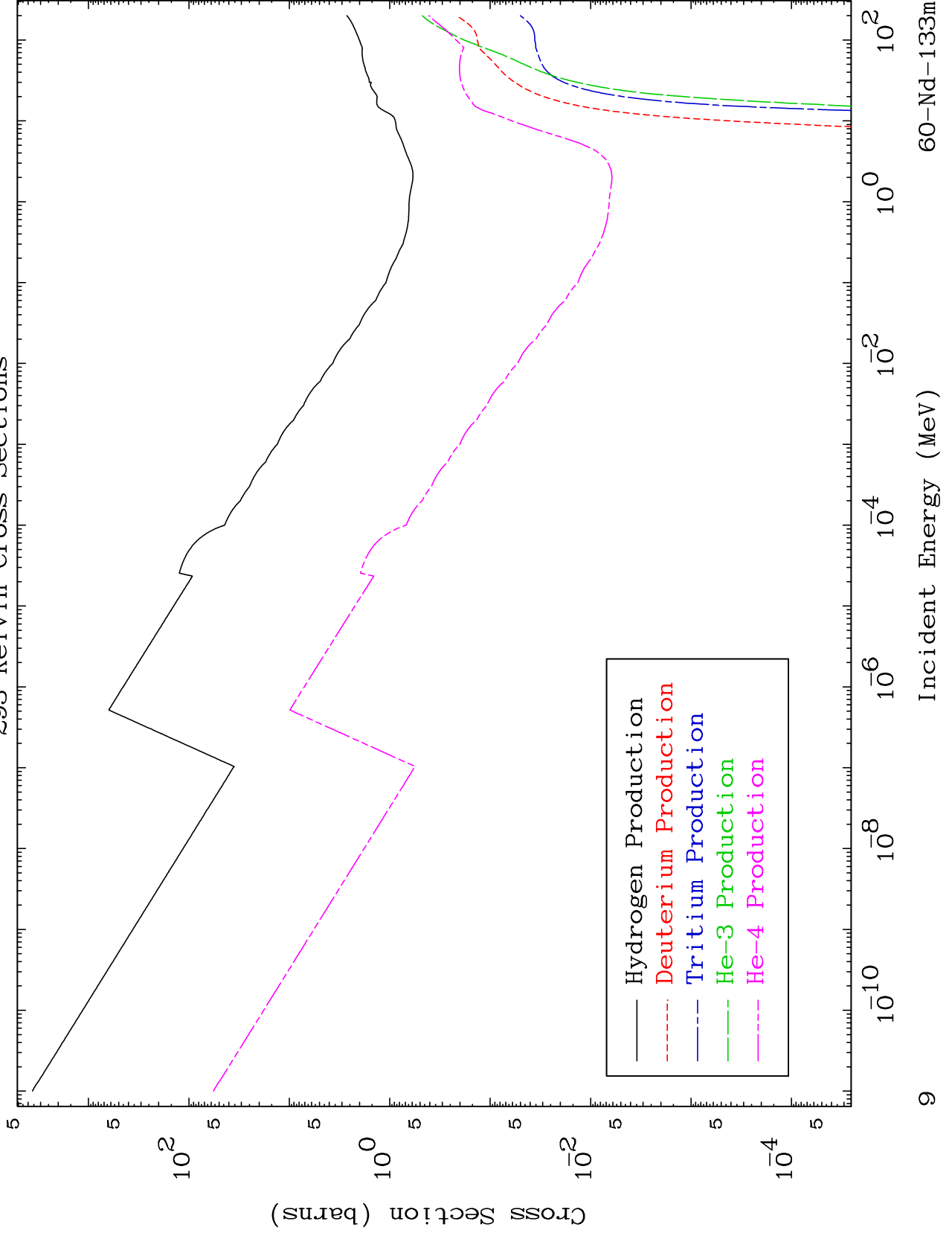
60-Nd-133m



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Particle Production
293 Kelvin Cross Sections

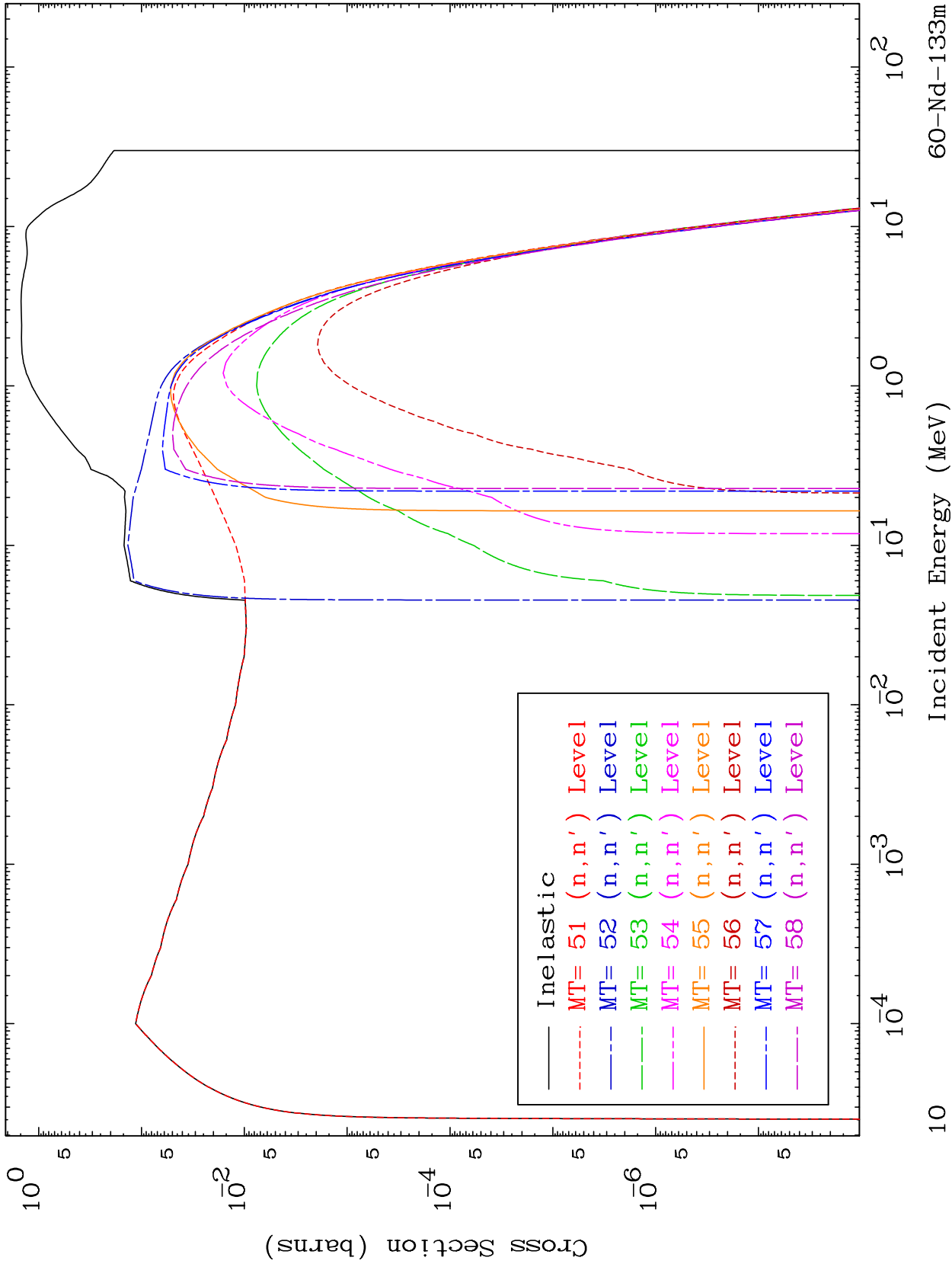
60-Nd-133m



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(n,n') Levels
293 Kelvin Cross Sections

60-Nd-133m



10

10⁻⁴

10⁻³

10⁻²

10⁻¹

10⁰

10¹

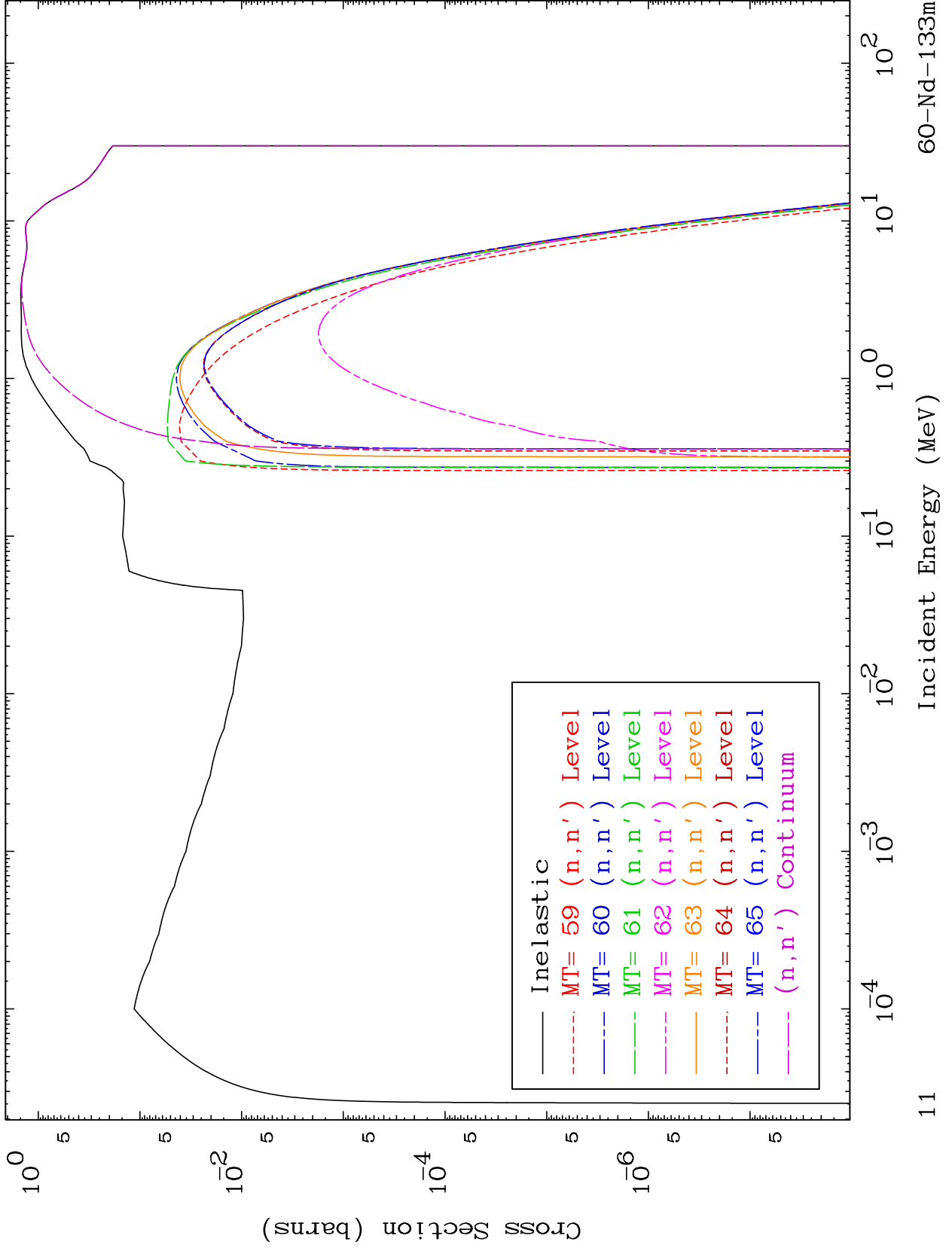
10²

60-Nd-133m

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(n,n') Levels
293 Kelvin Cross Sections

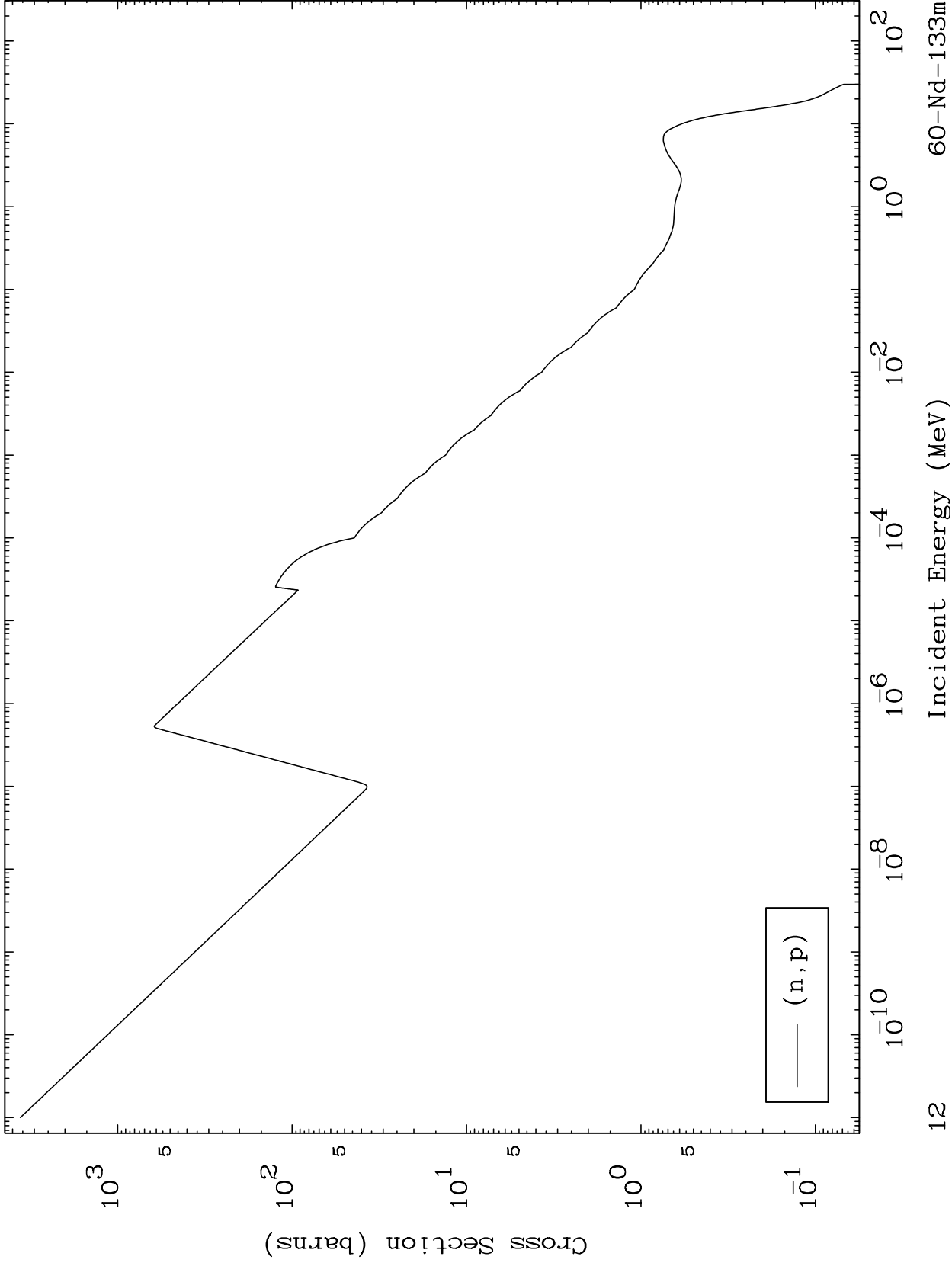
60-Nd-133m



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(n,p) Levels
293 Kelvin Cross Sections

60-Nd-133m

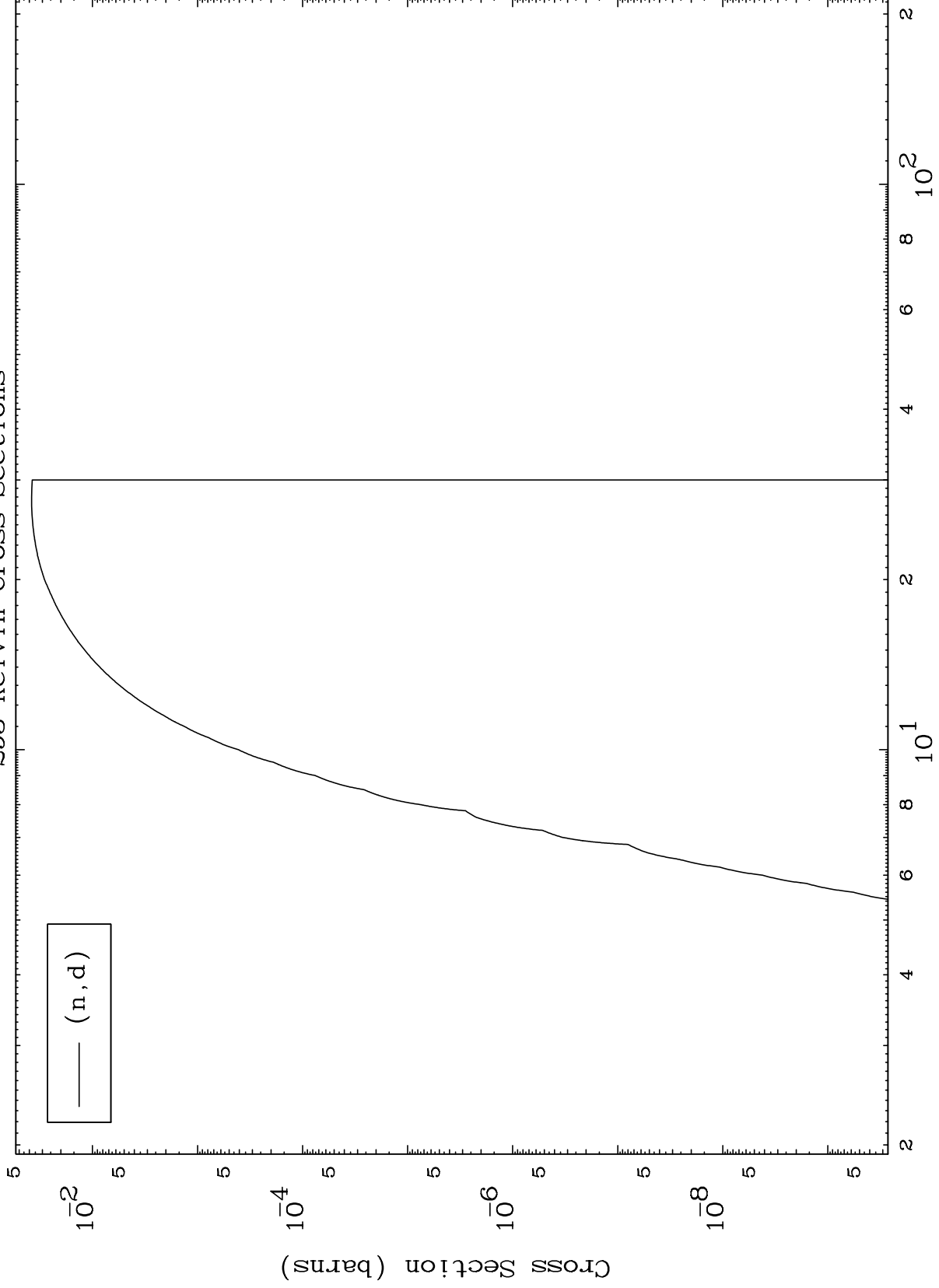


(n,p)

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(n,d) Levels
293 Kelvin Cross Sections

60-Nd-133m



13

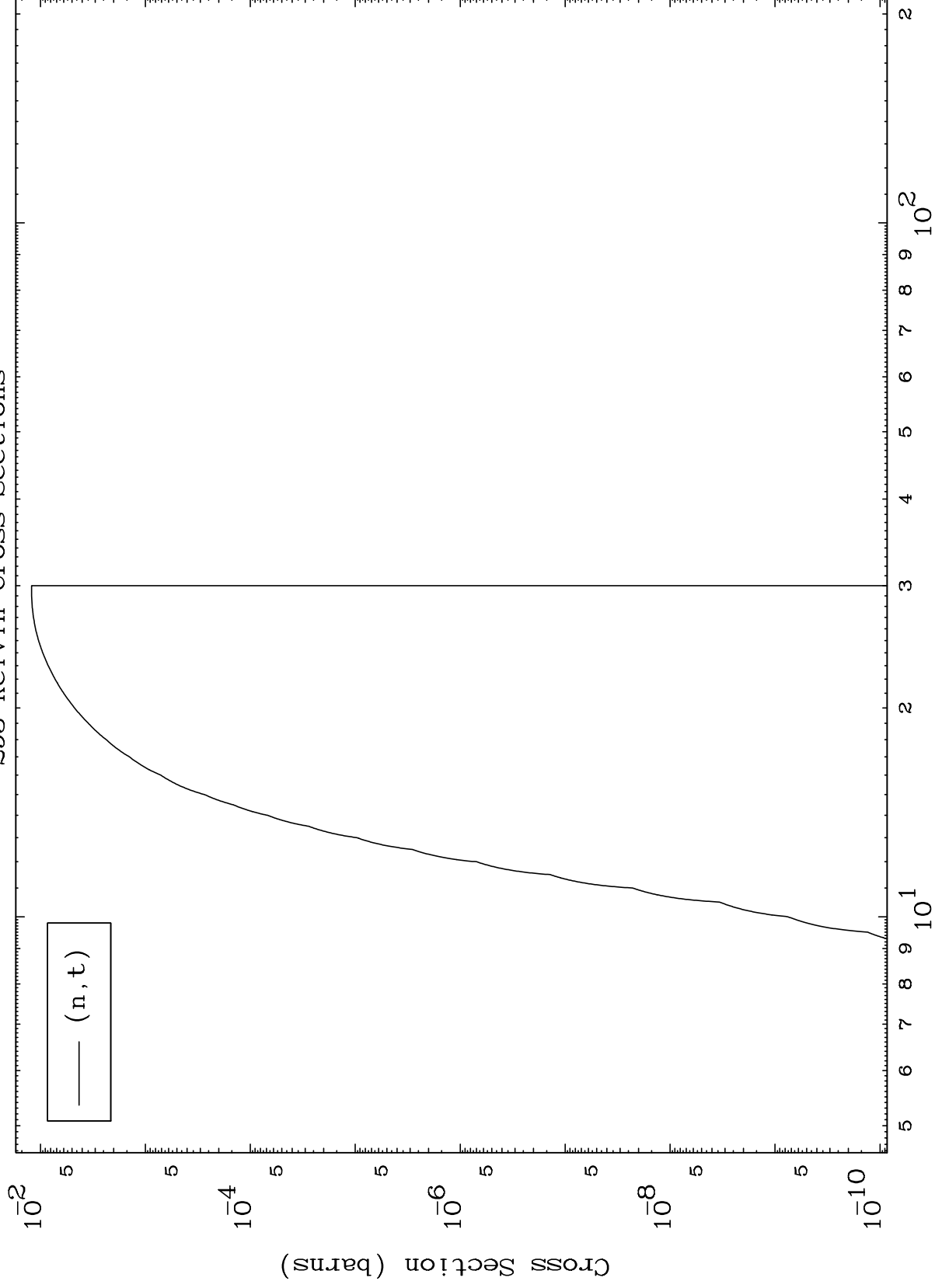
Incident Energy (MeV)

60-Nd-133m

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(n,t) Levels
293 Kelvin Cross Sections

60-Nd-133m



14

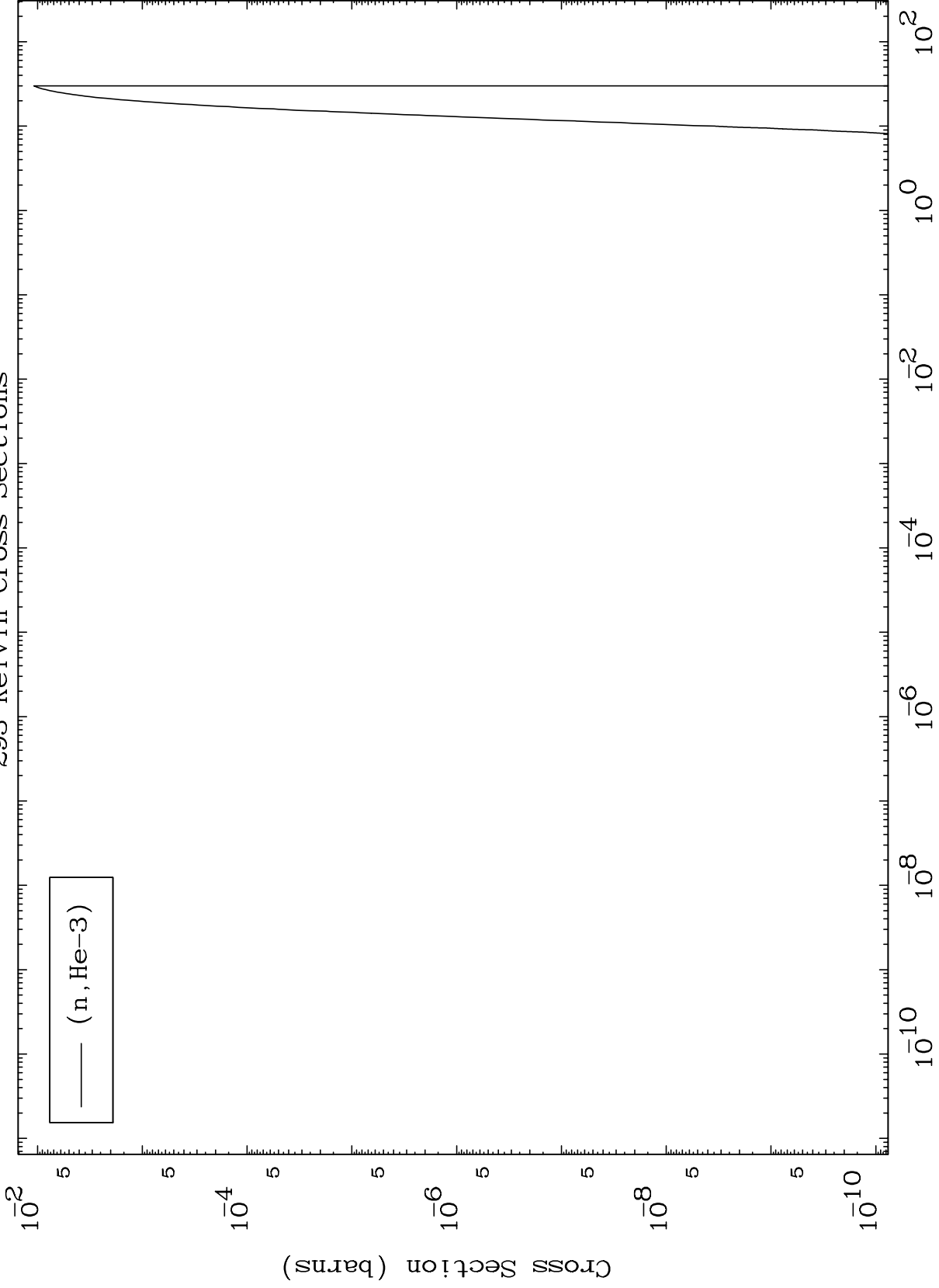
Incident Energy (MeV)

60-Nd-133m

MAT 5999

(n,He3) Levels
293 Kelvin Cross Sections

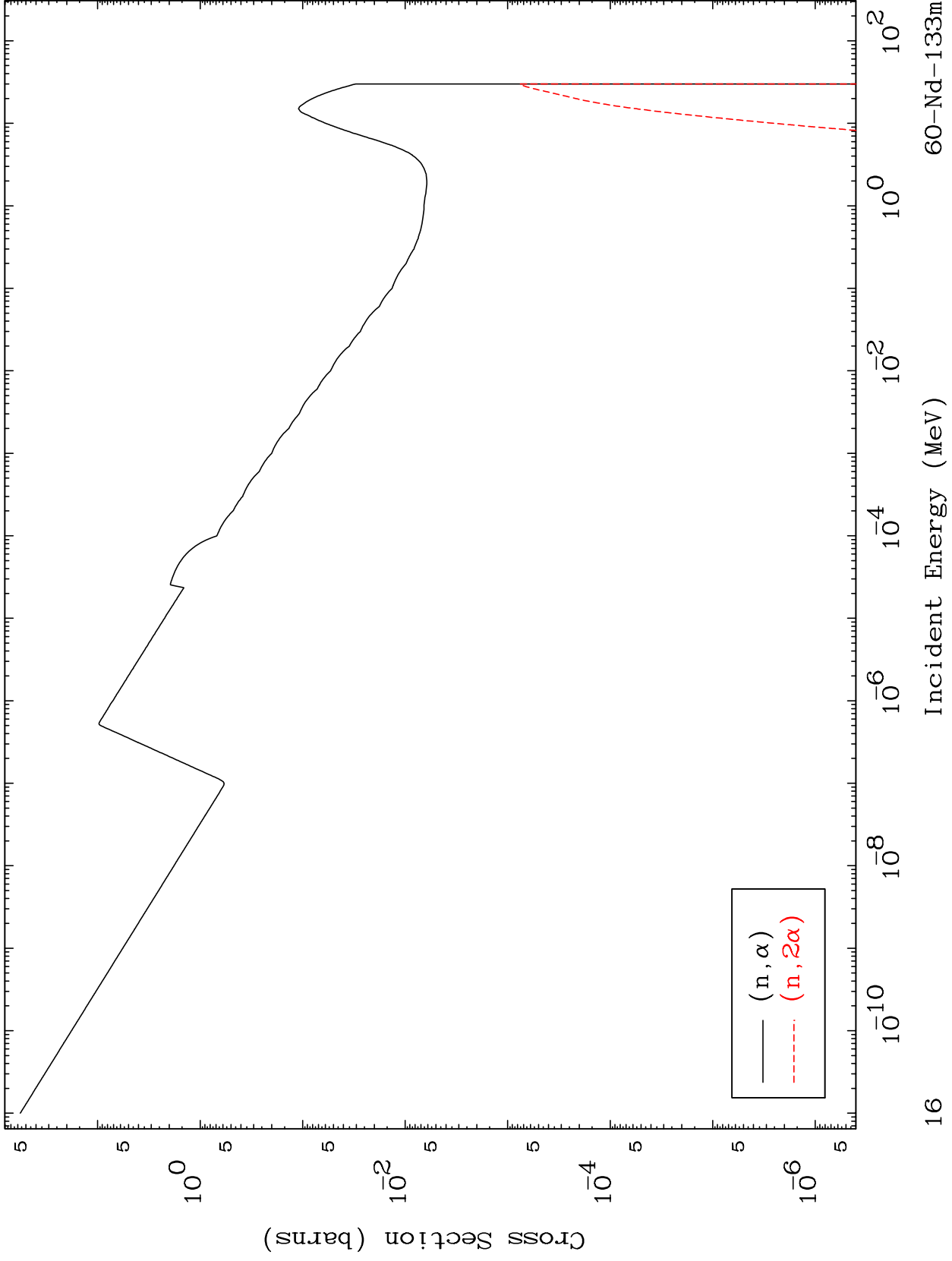
60-Nd-133m

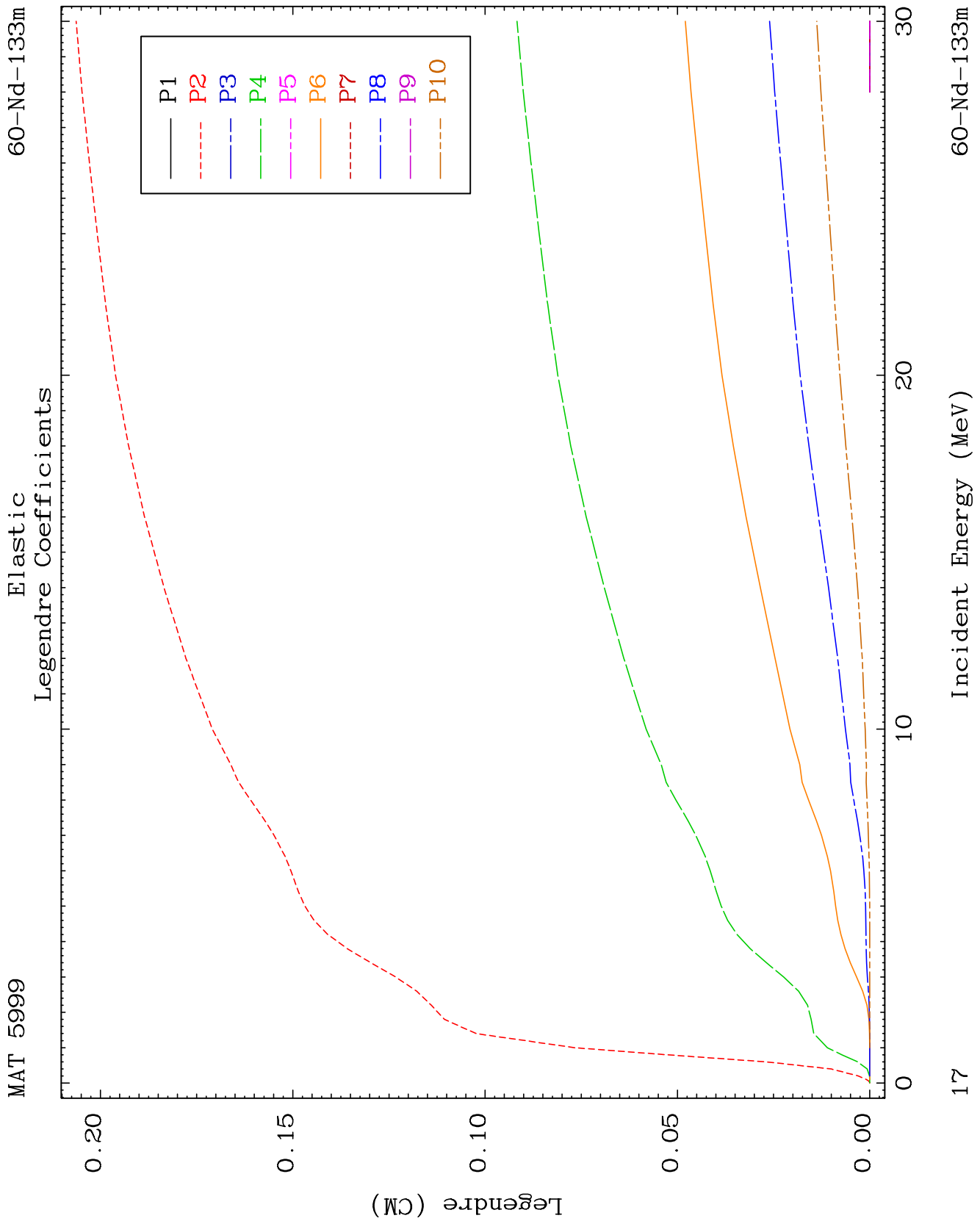


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(n, α) Levels
293 Kelvin Cross Sections

60-Nd-133m

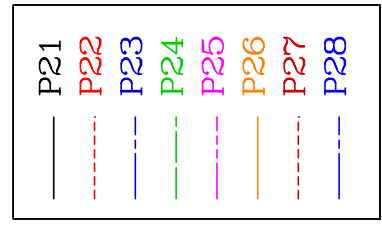




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Elastic Legendre Coefficients

60-Nd-133m



$\times 10^{-7}$

Legendre (CM)



30

25

20

15

19

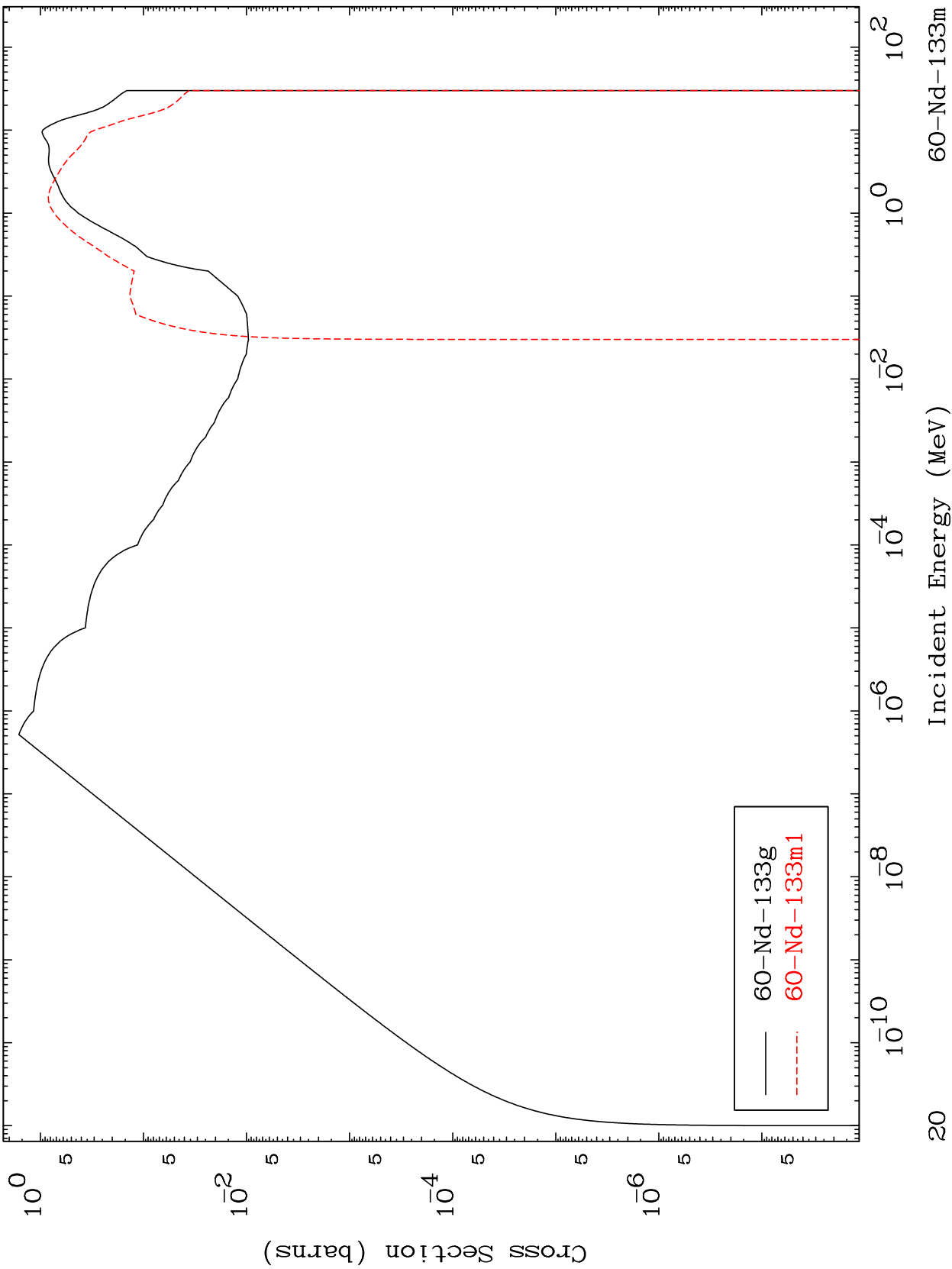
Incident Energy (MeV)

60-Nd-133m

MAT 5999

60-Nd-133m

Inelastic
Radionuclide Production Cross Section

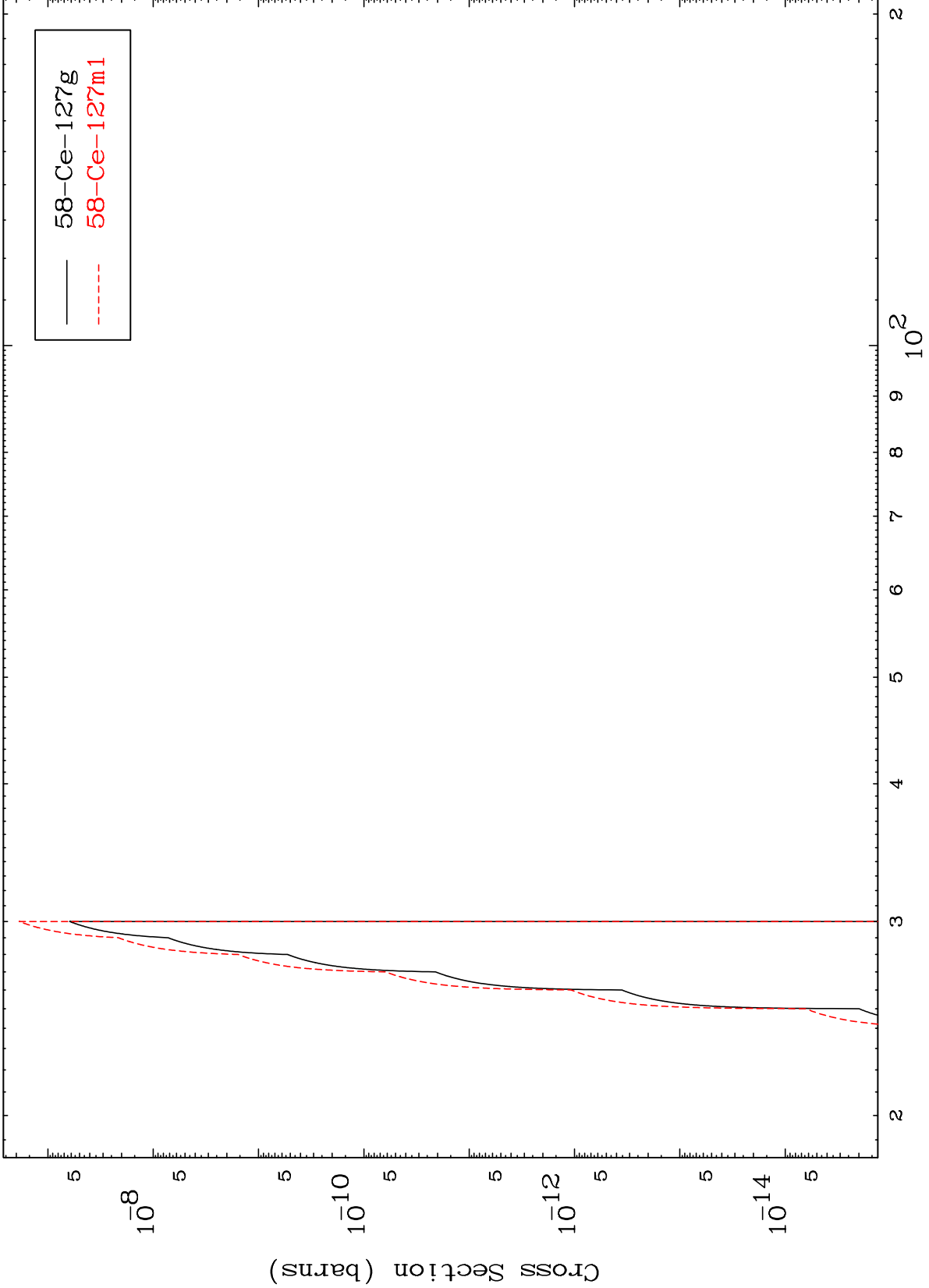


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(n,3n) α

60-Nd-133m

Radionuclide Production Cross Section



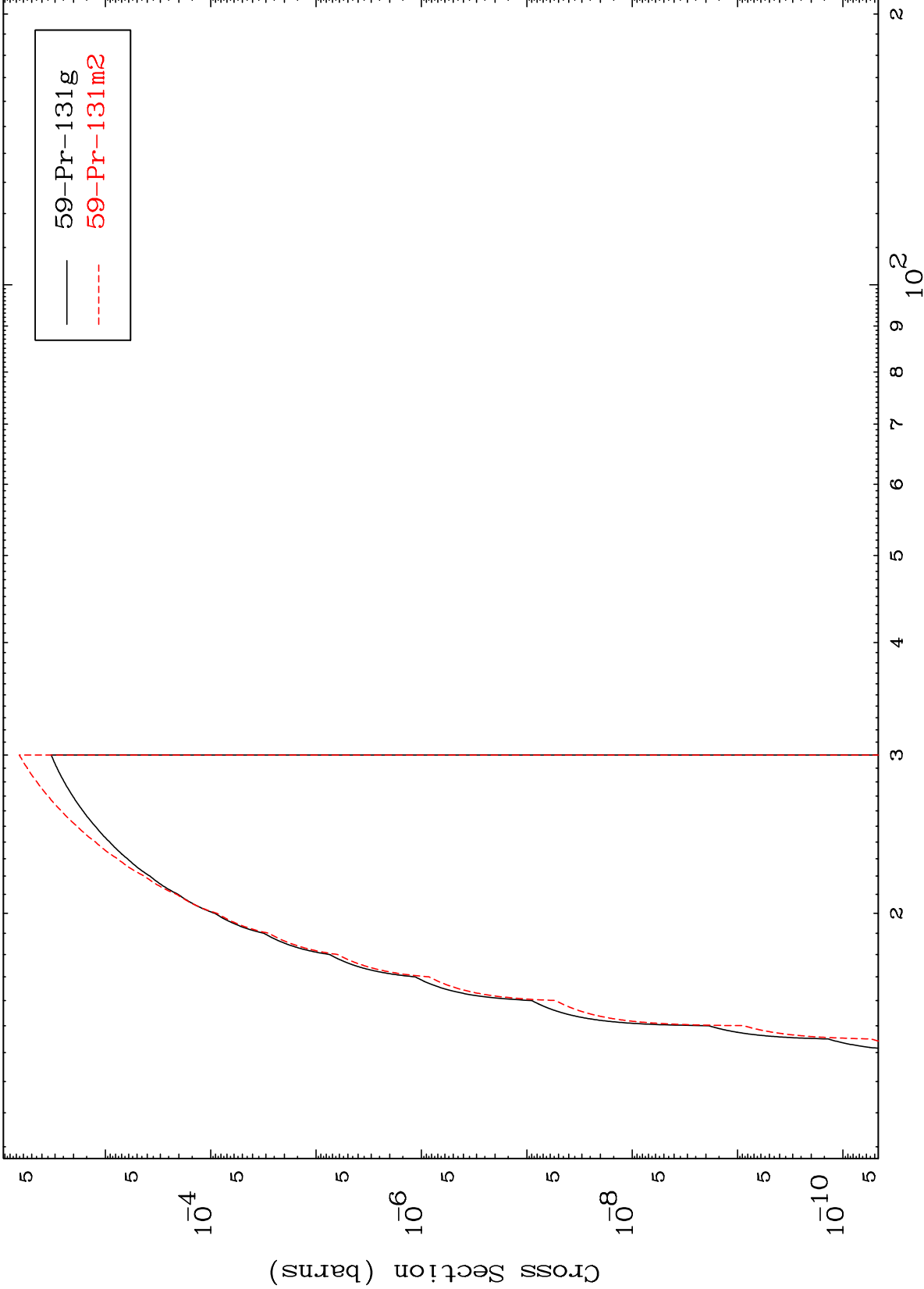
58-Ce-127g
58-Ce-127m1

21

Incident Energy (MeV)

60-Nd-133m

Radionuclide Production Cross Section

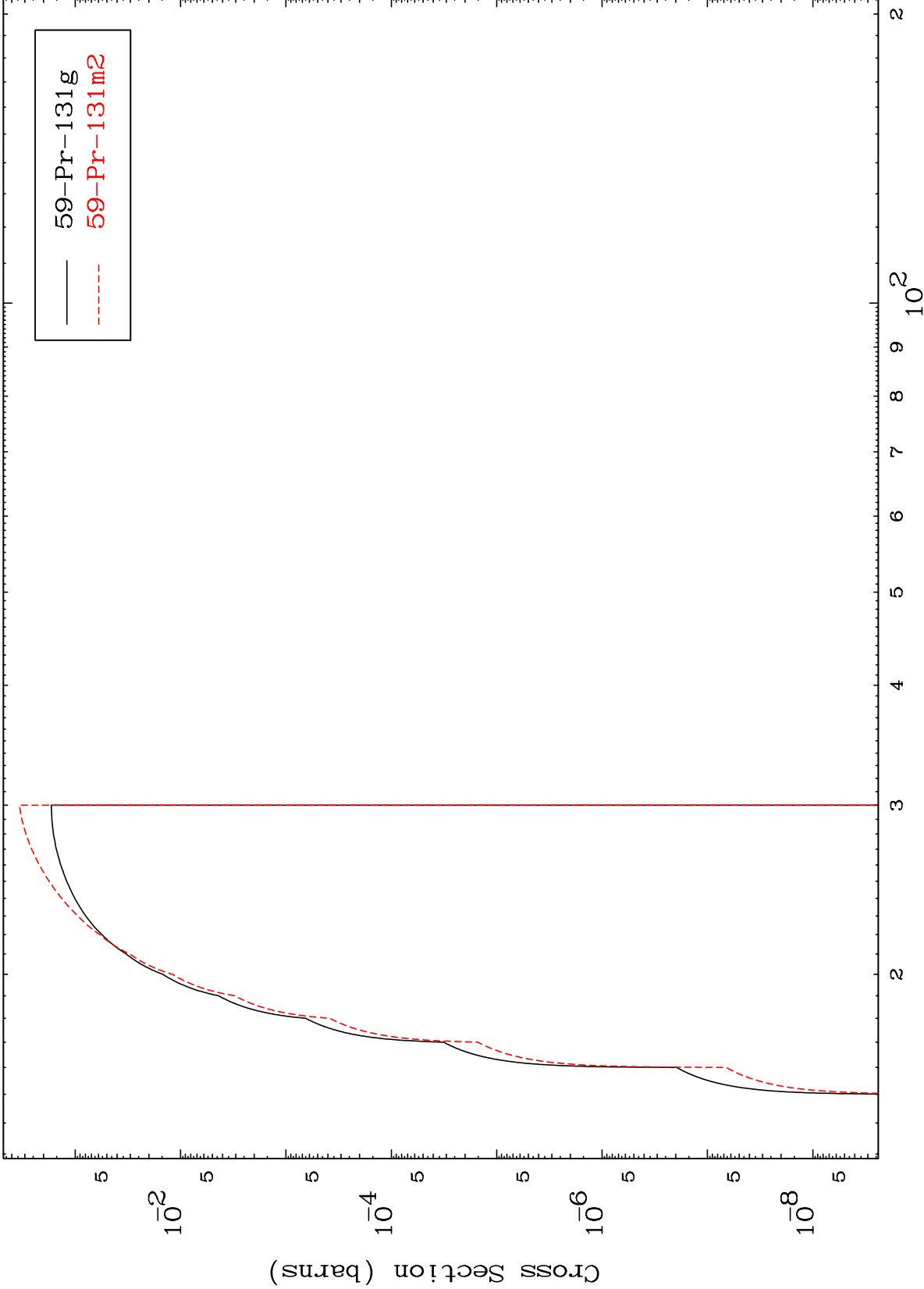


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(n,2n) p

60-Nd-133m

Radionuclide Production Cross Section



23

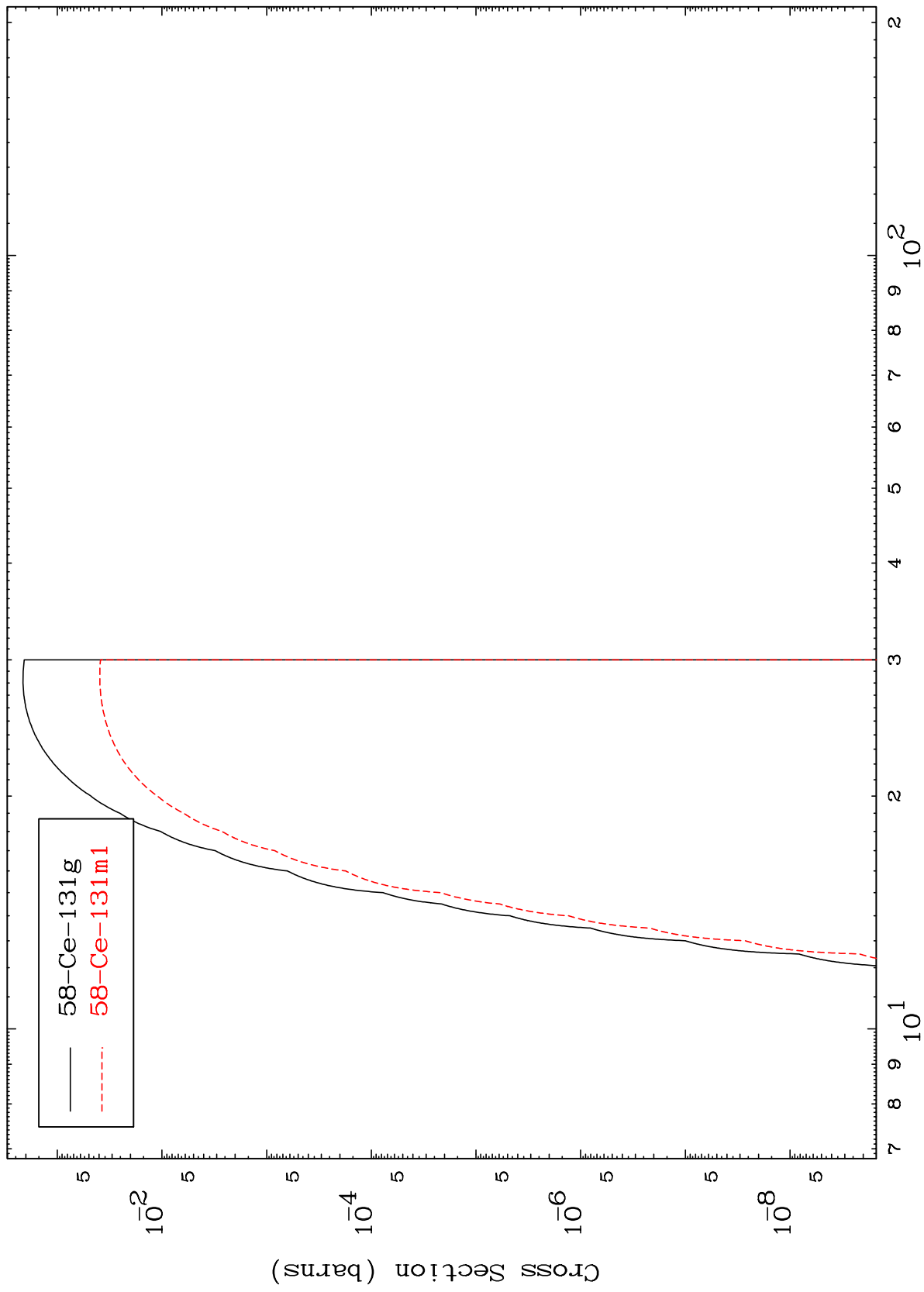
Incident Energy (MeV)

60-Nd-133m

MAT 5999

60-Nd-133m

(n,2n) p
Radionuclide Production Cross Section



60-Nd-133m

Incident Energy (MeV)

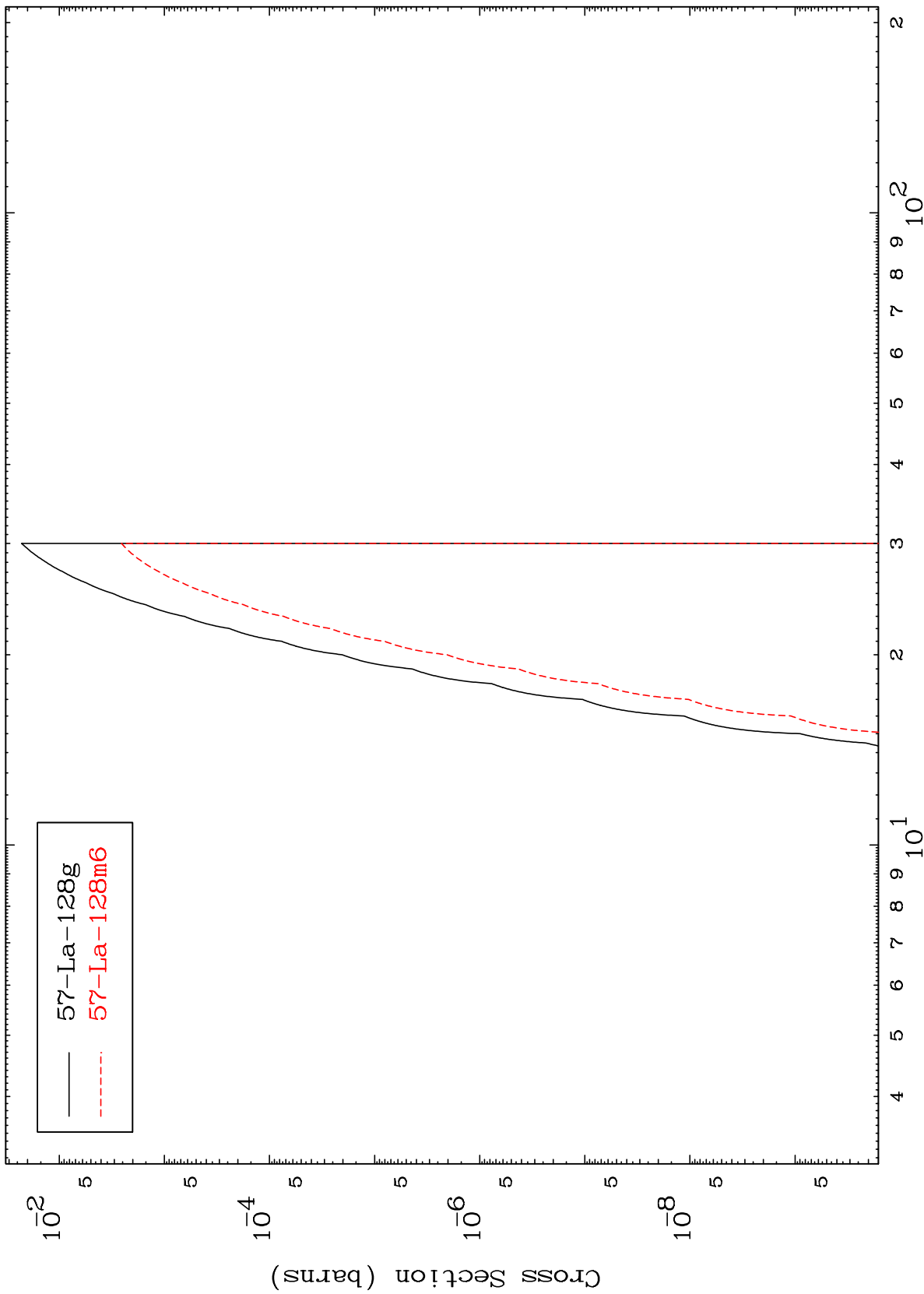
24

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(n,n') p α

60-Nd-133m

Radionuclide Production Cross Section



— 57-La-128g
- - - 57-La-128m6

Incident Energy (MeV)

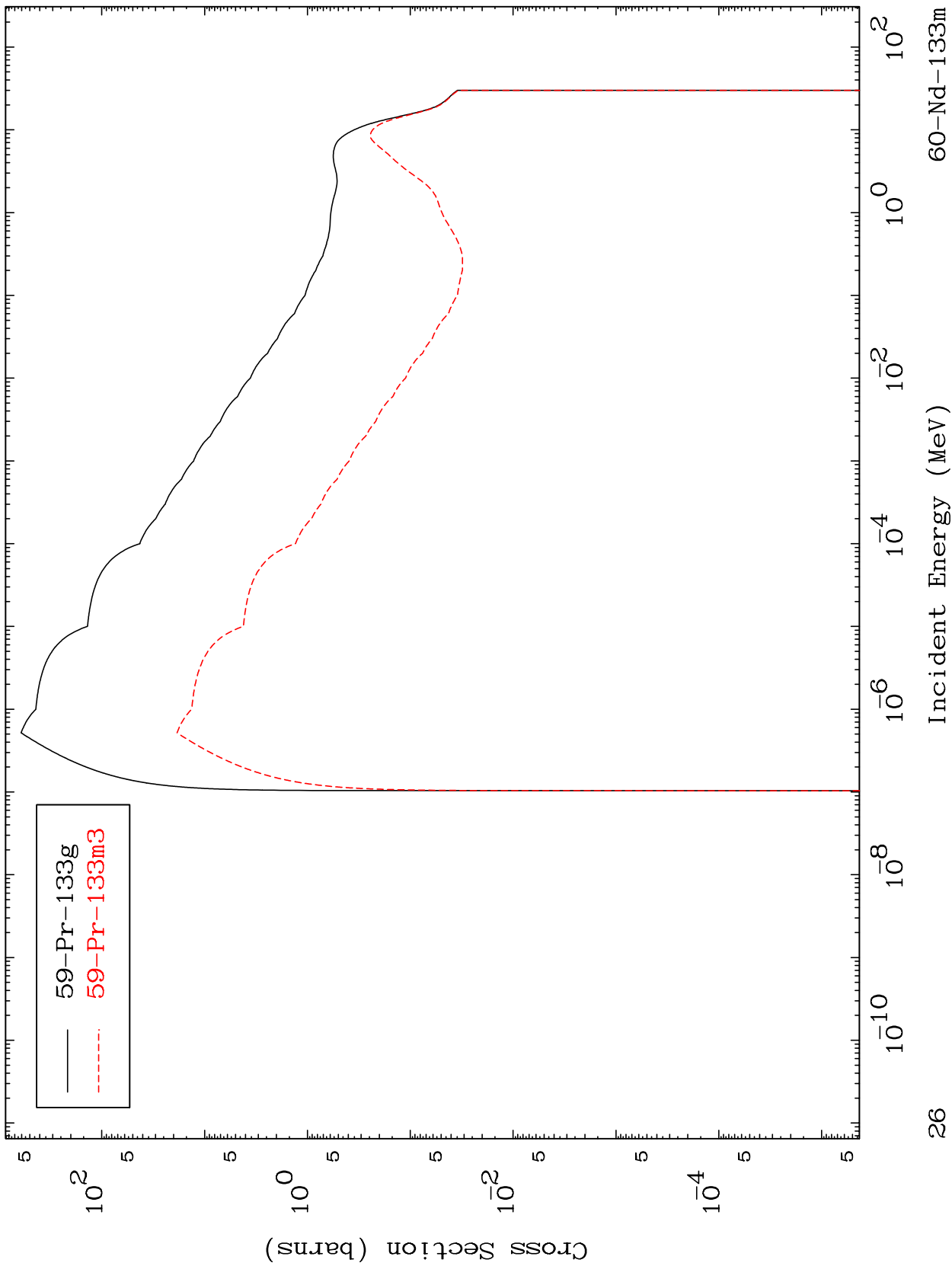
60-Nd-133m

25

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60-Nd-133m

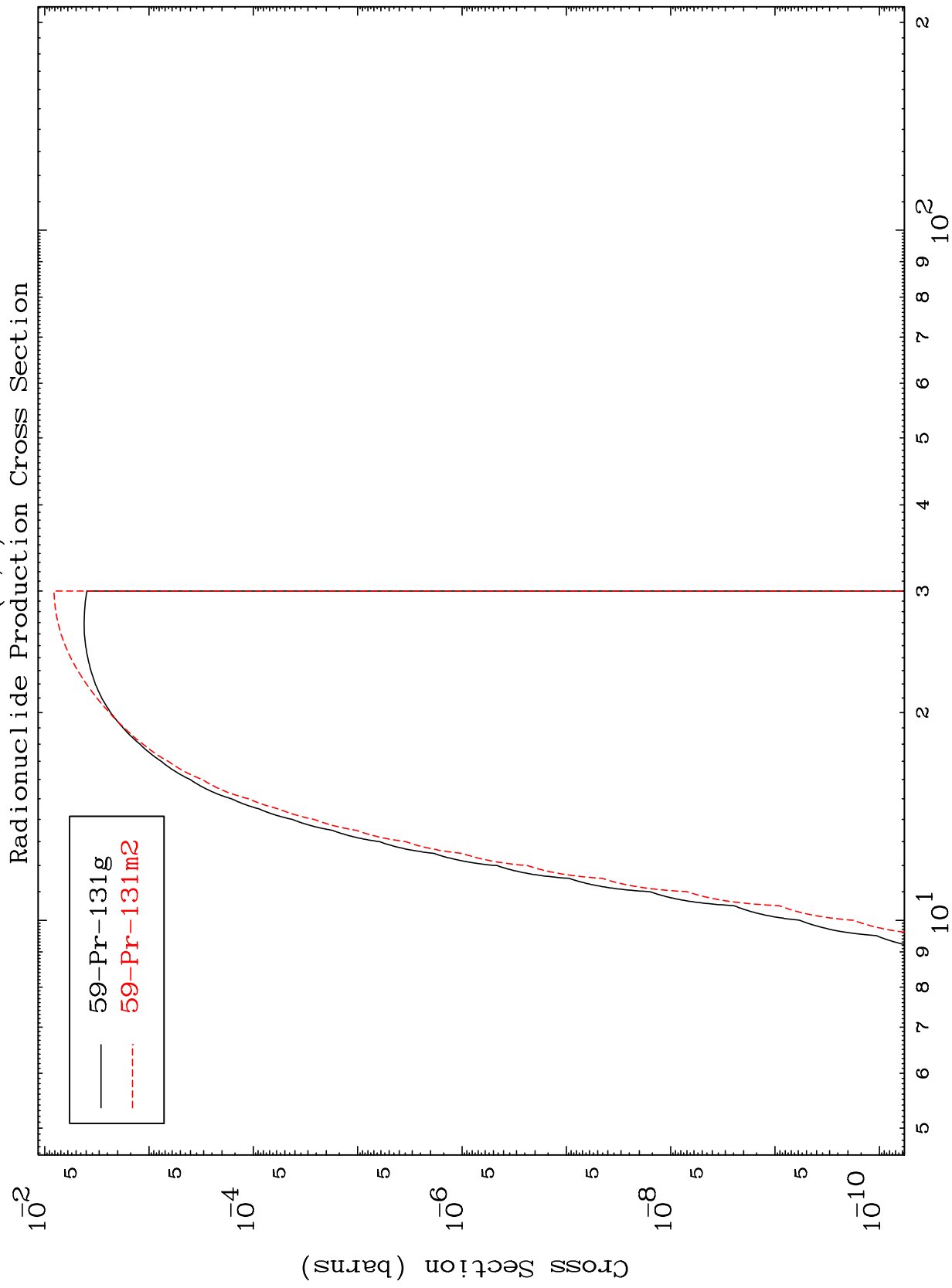
Radionuclide Production Cross Section



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

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60-Nd-133m



60-Nd-133m

Incident Energy (MeV)

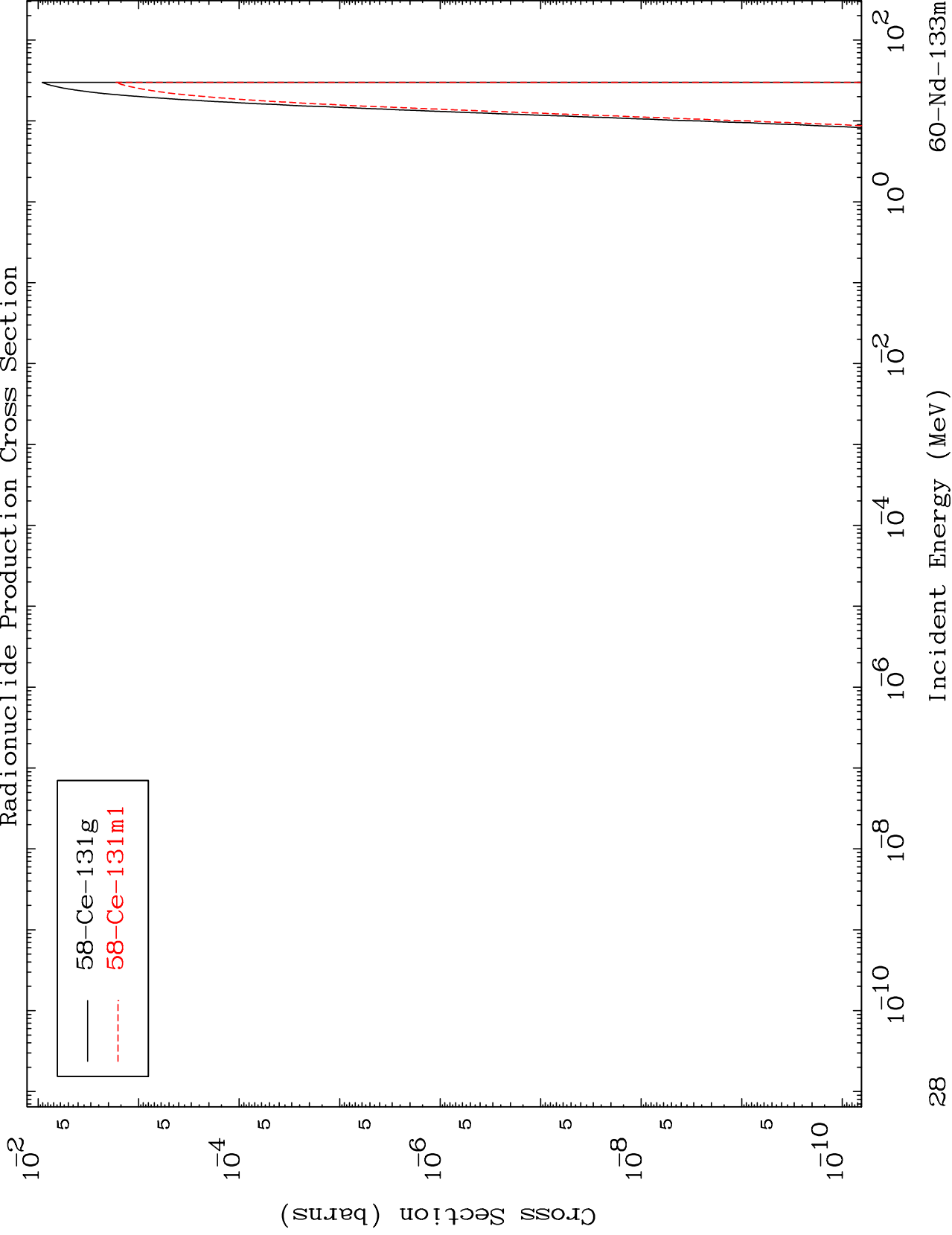
27

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(n,He-3)

60-Nd-133m

Radionuclide Production Cross Section

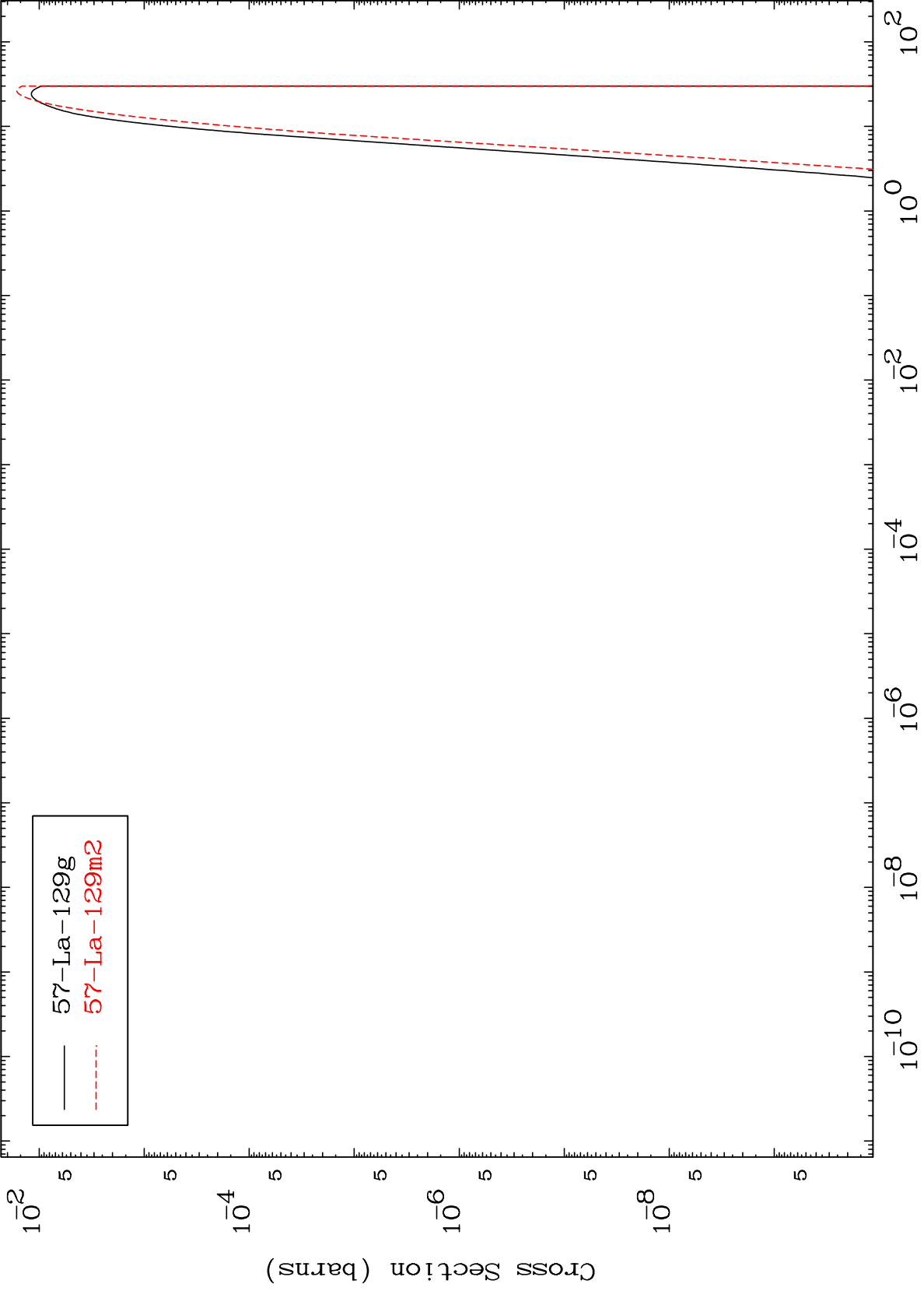


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(n,p) α

60-Nd-133m

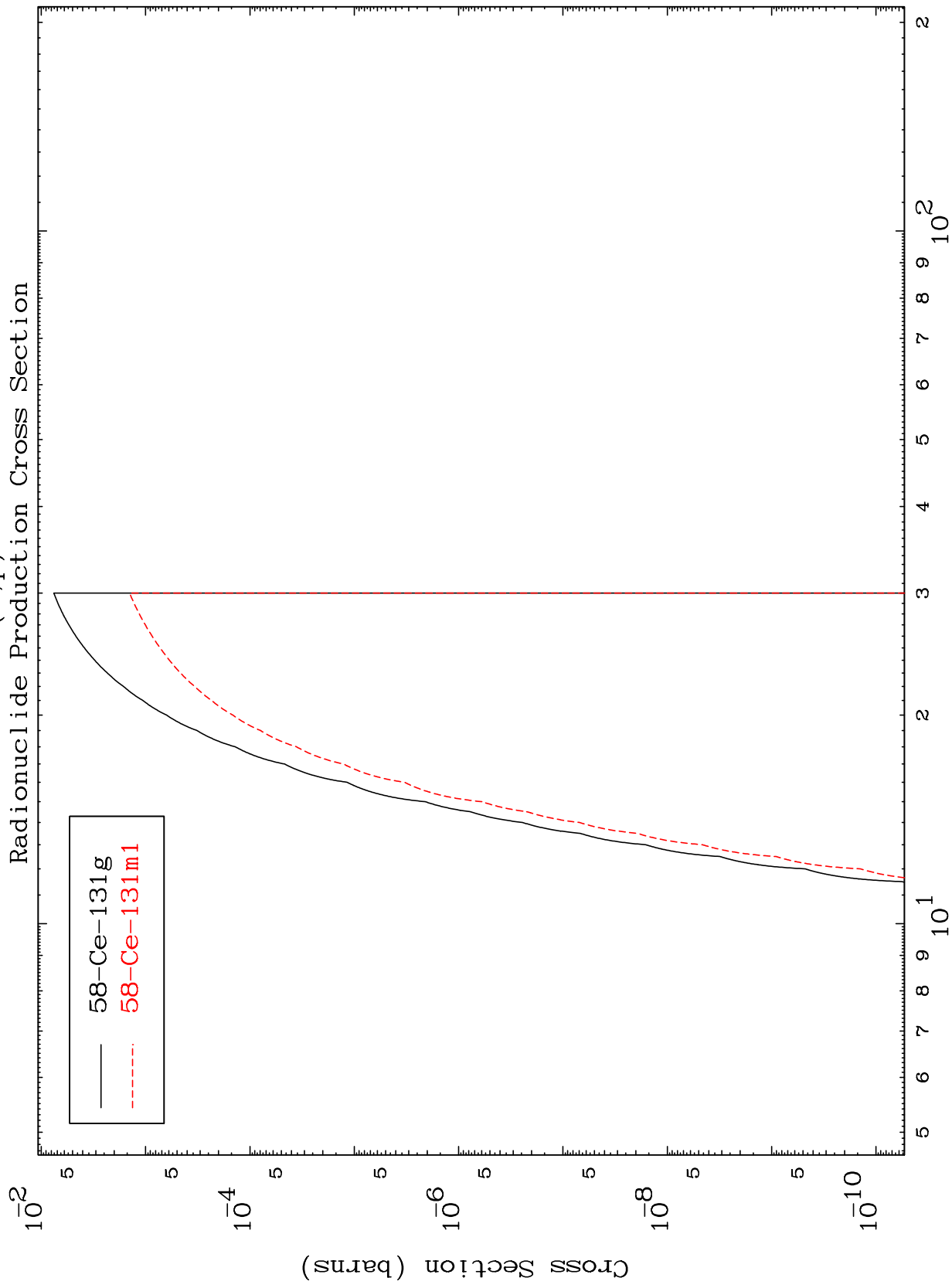
Radionuclide Production Cross Section



MAT 5999

(n,p) d

60-Nd-133m



Incident Energy (MeV)

60-Nd-133m

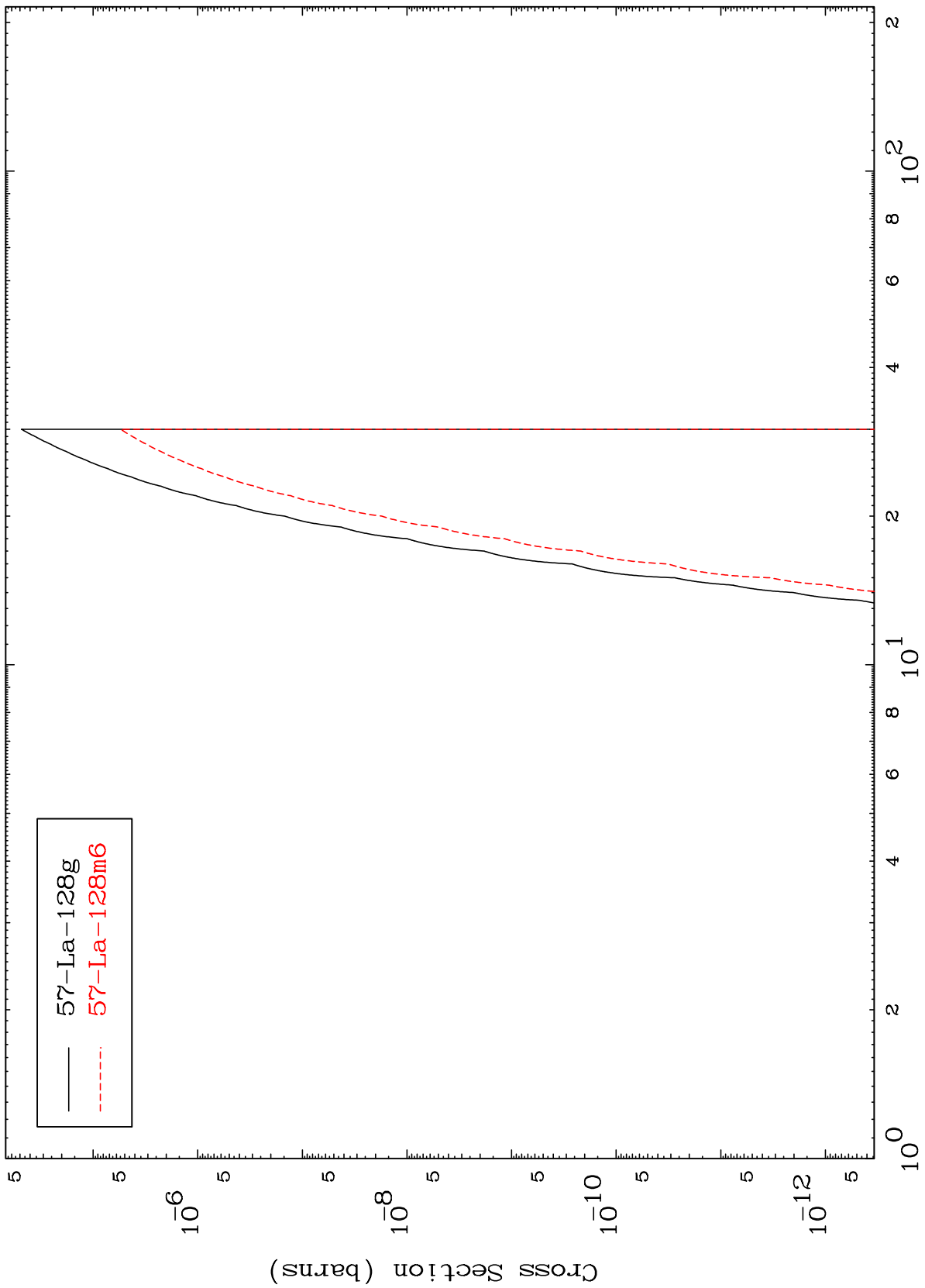
30

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(n,d) α

60-Nd-133m

Radionuclide Production Cross Section



31

Incident Energy (MeV)

60-Nd-133m