

Program EVALPLOT
(Version 2021-1)

by

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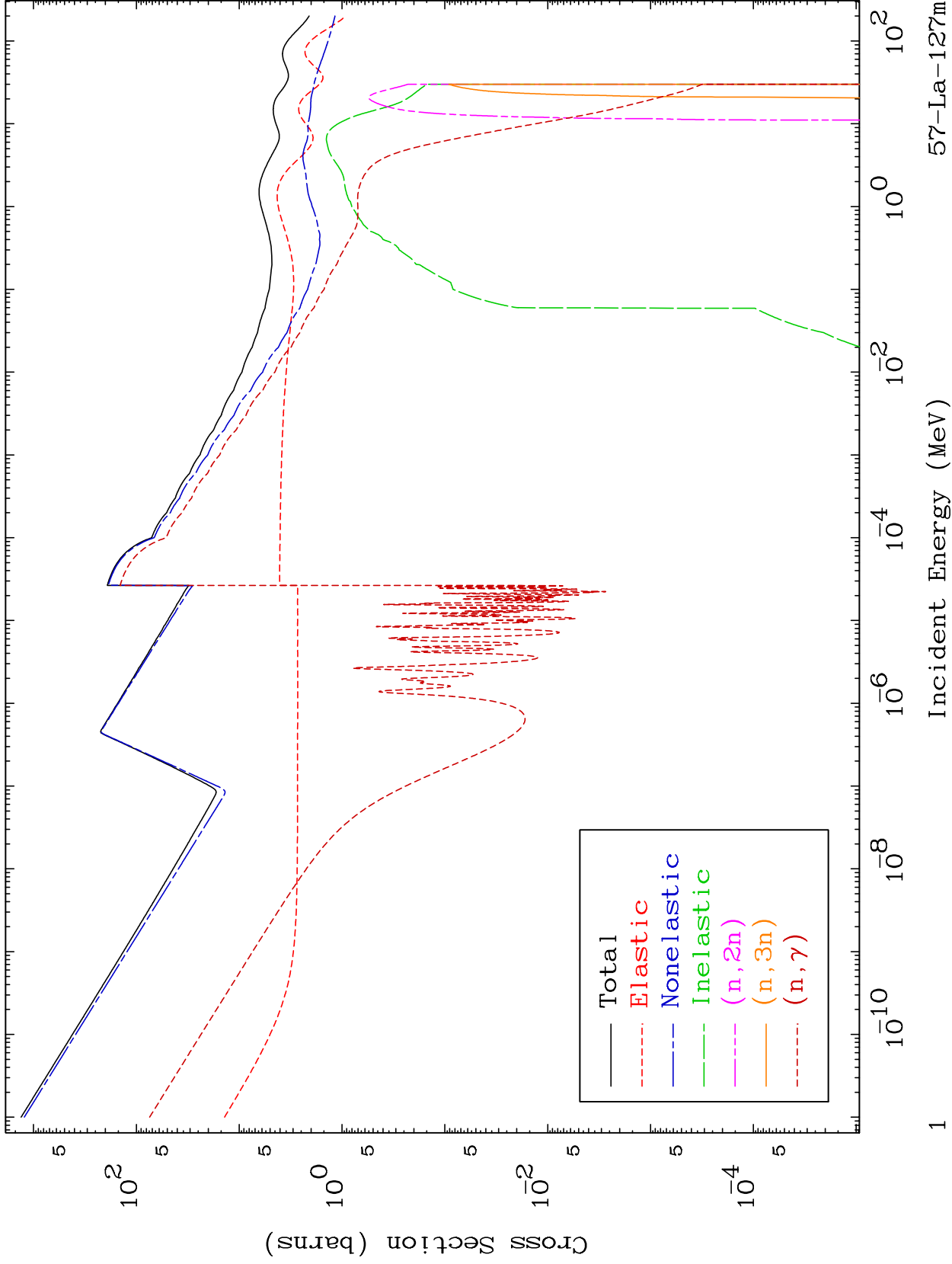
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5693

Neutron Major
293 Kelvin Cross Sections

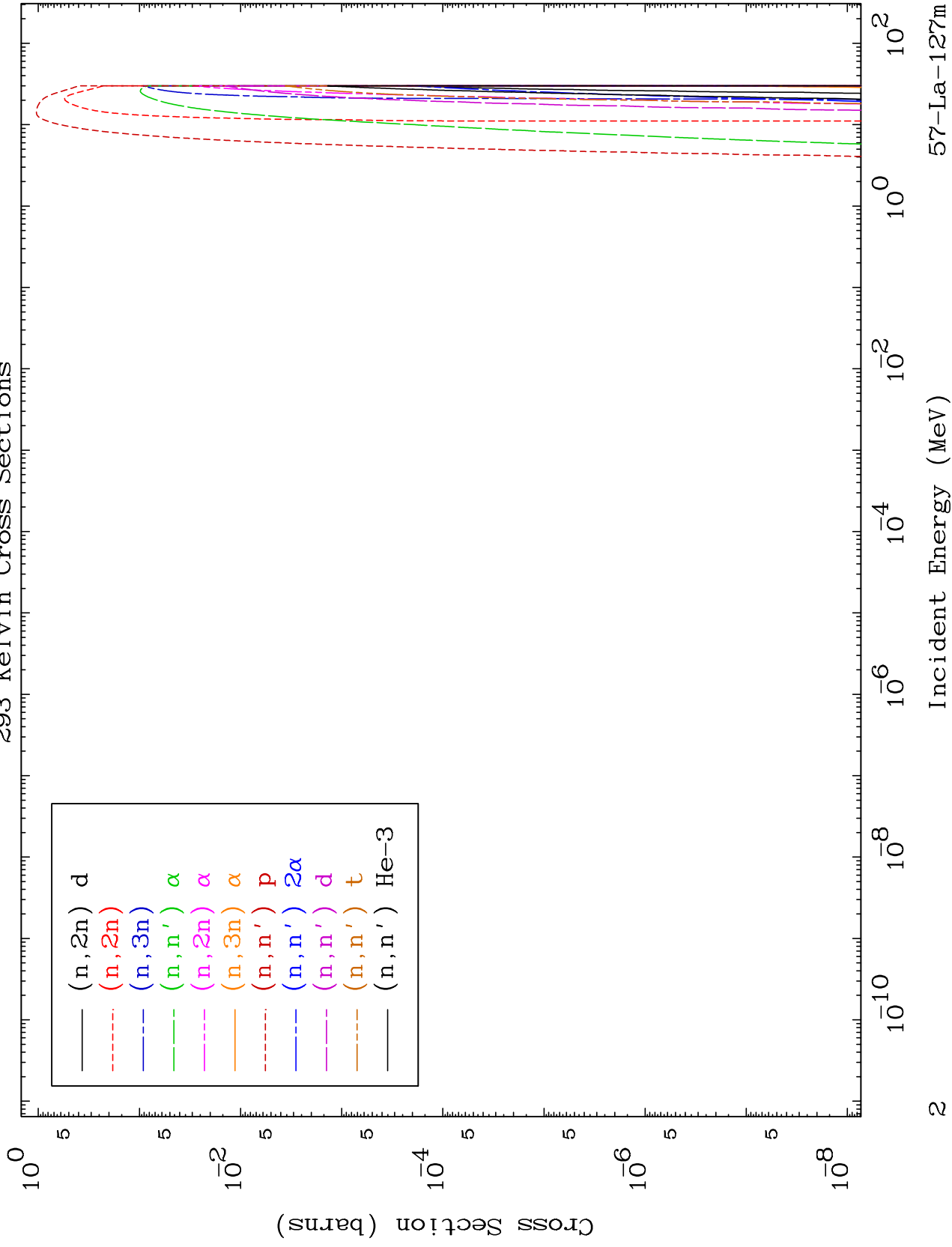
57-La-127m

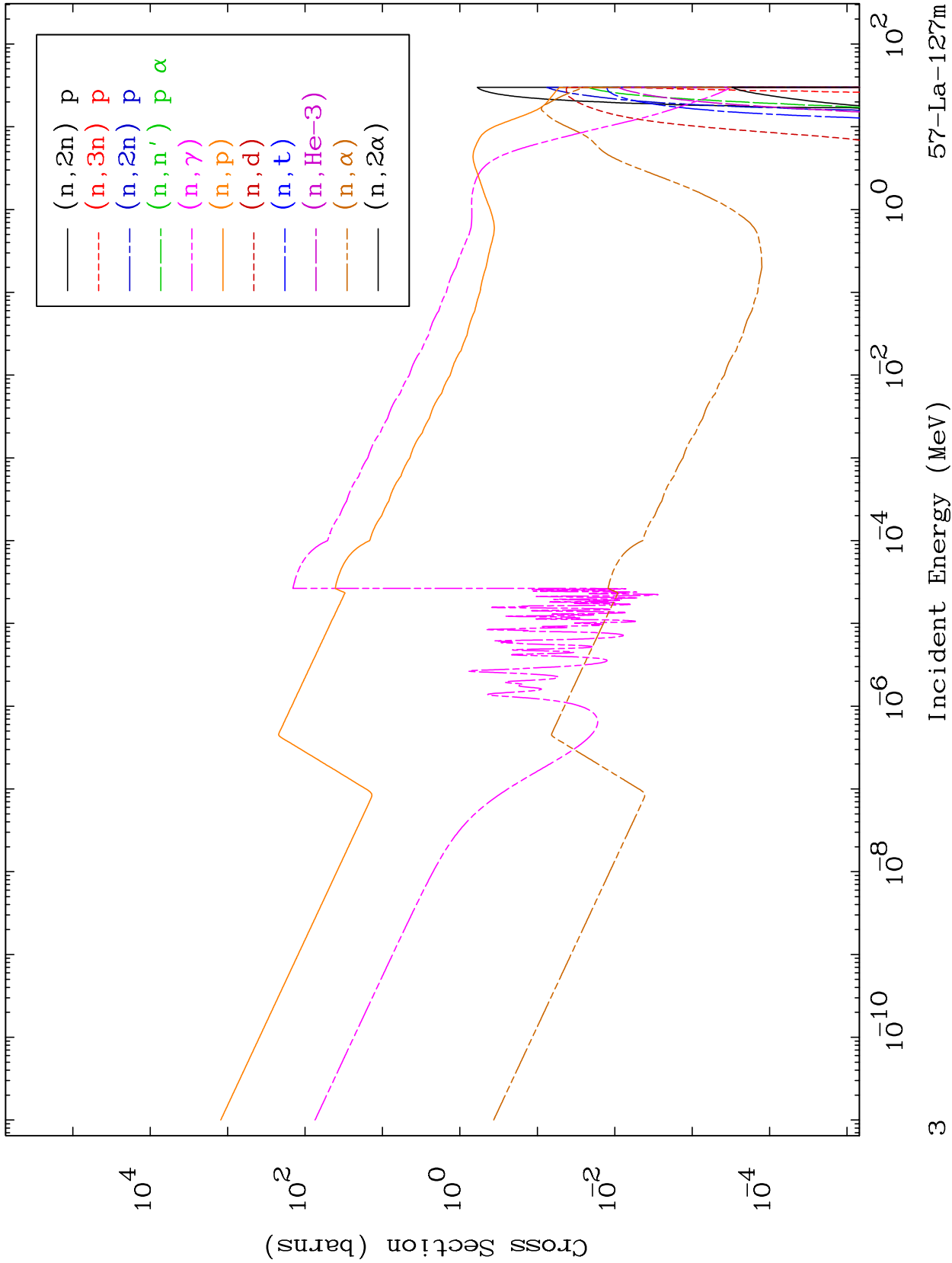


MAT 5693

Neutron Absorption
293 Kelvin Cross Sections

57-La-127m

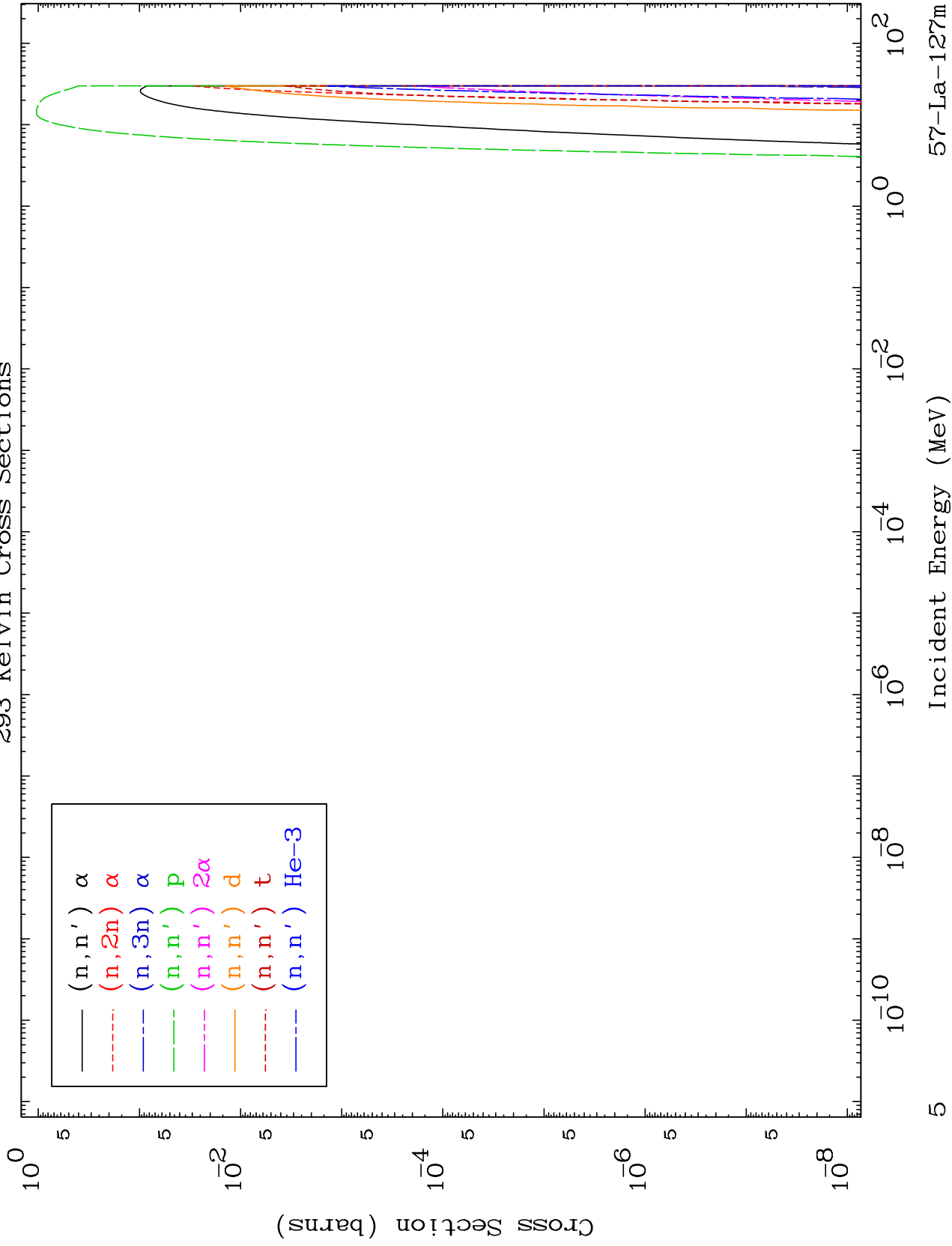




MAT 5693

Charged Particle
293 Kelvin Cross Sections

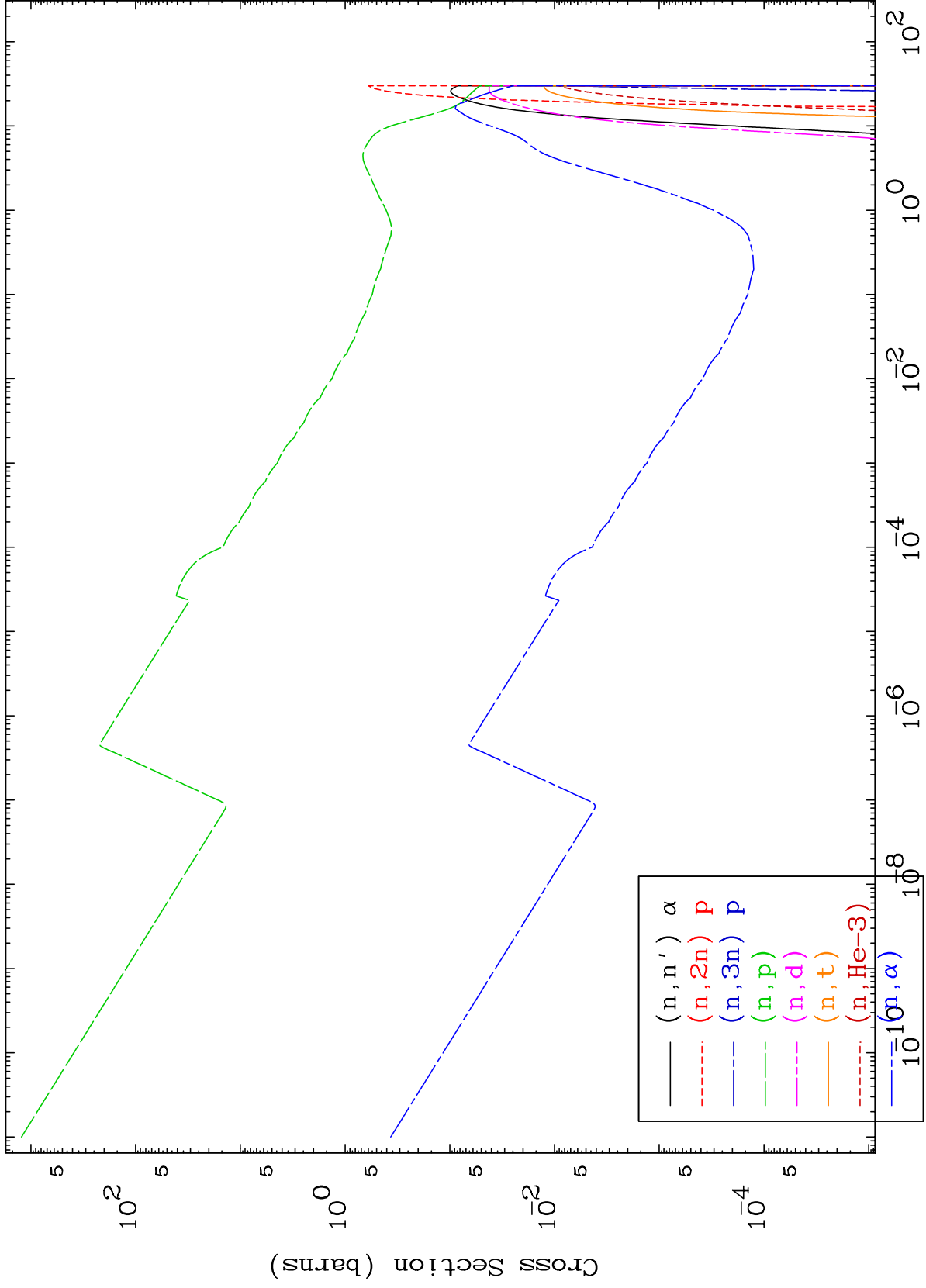
57-La-127m



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Charged Particle
293 Kelvin Cross Sections

57-La-127m



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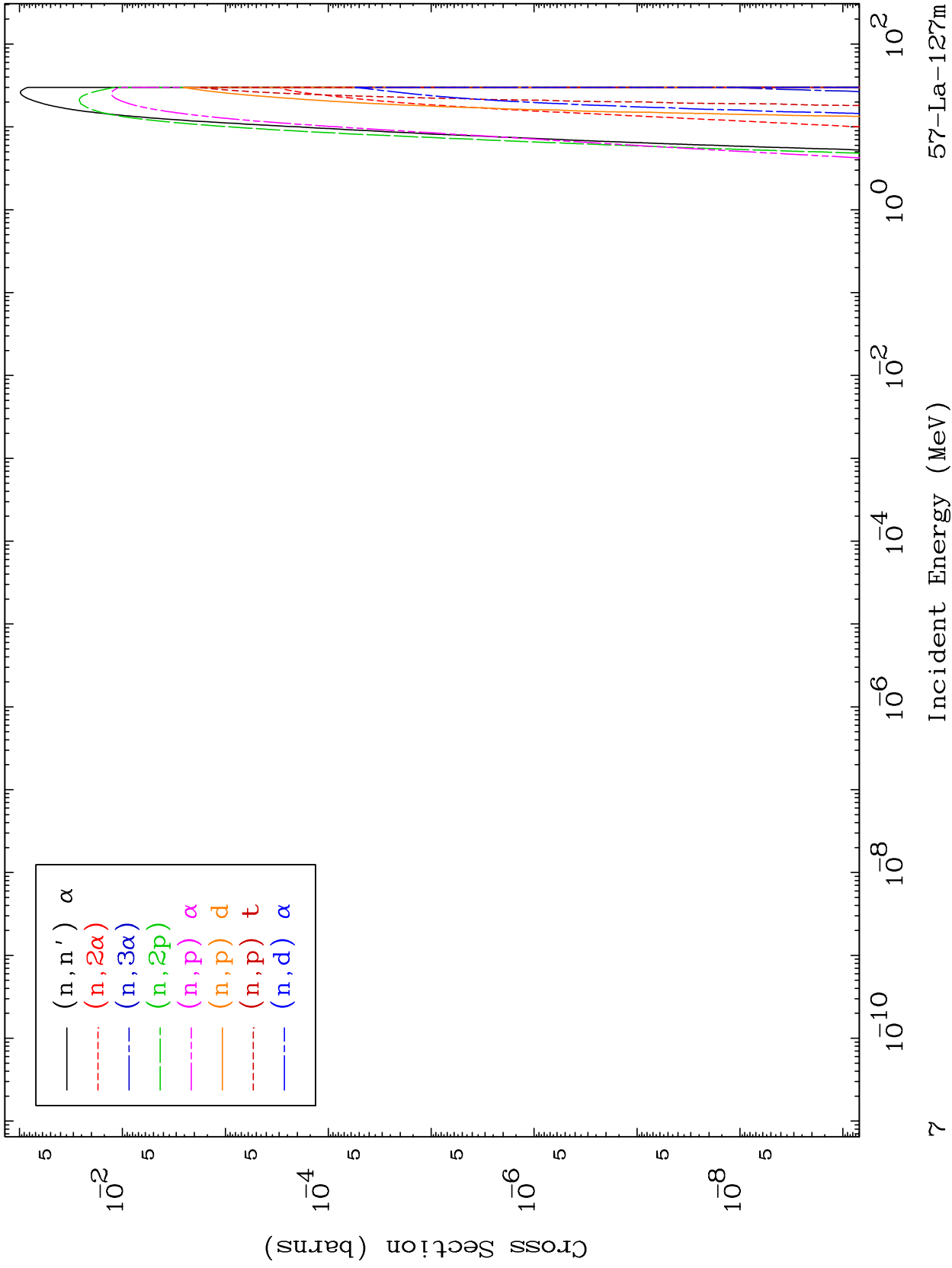
Incident Energy (MeV)

57-La-127m

MAT 5693

Charged Particle
293 Kelvin Cross Sections

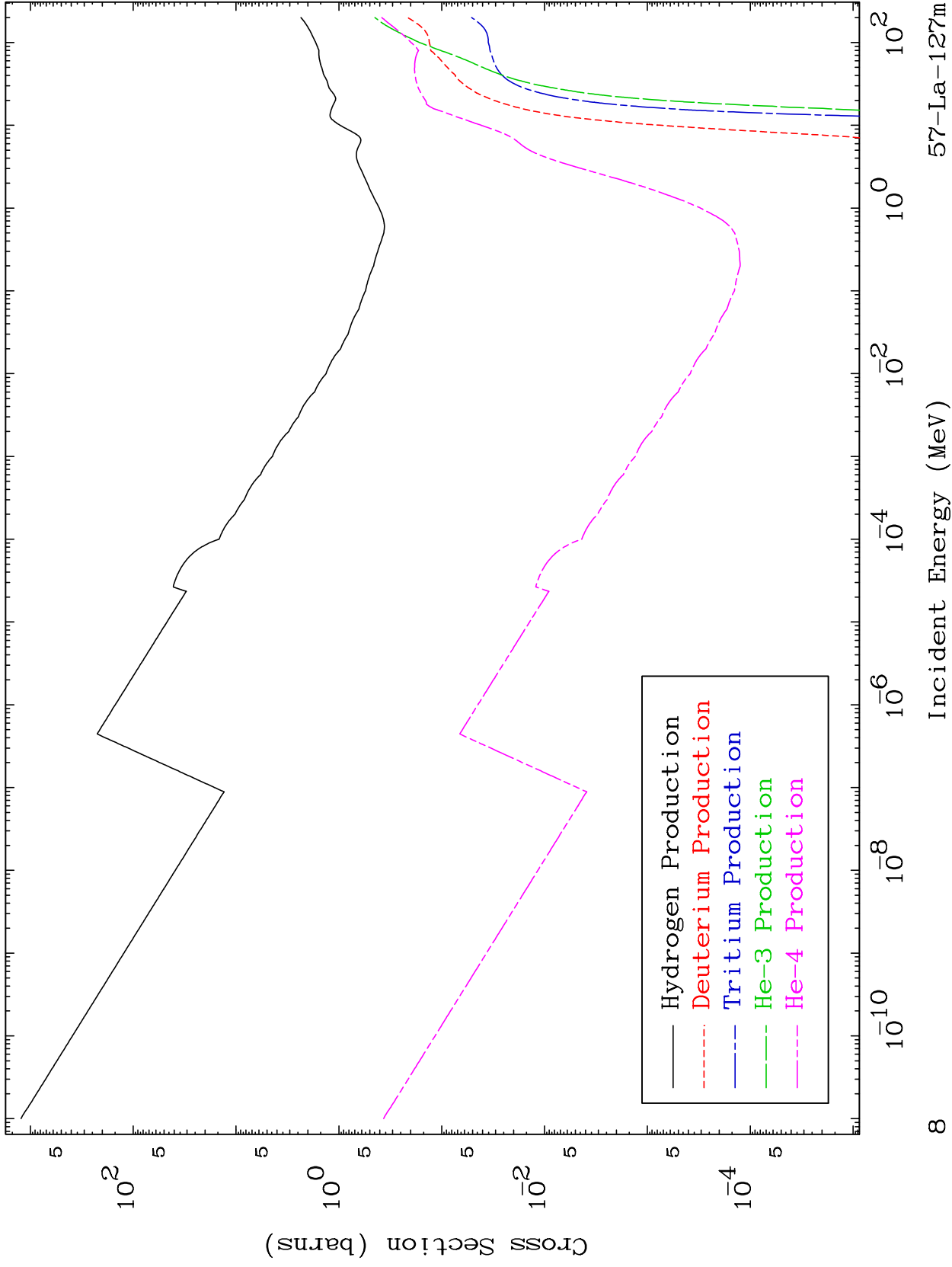
57-La-127m



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Particle Production
293 Kelvin Cross Sections

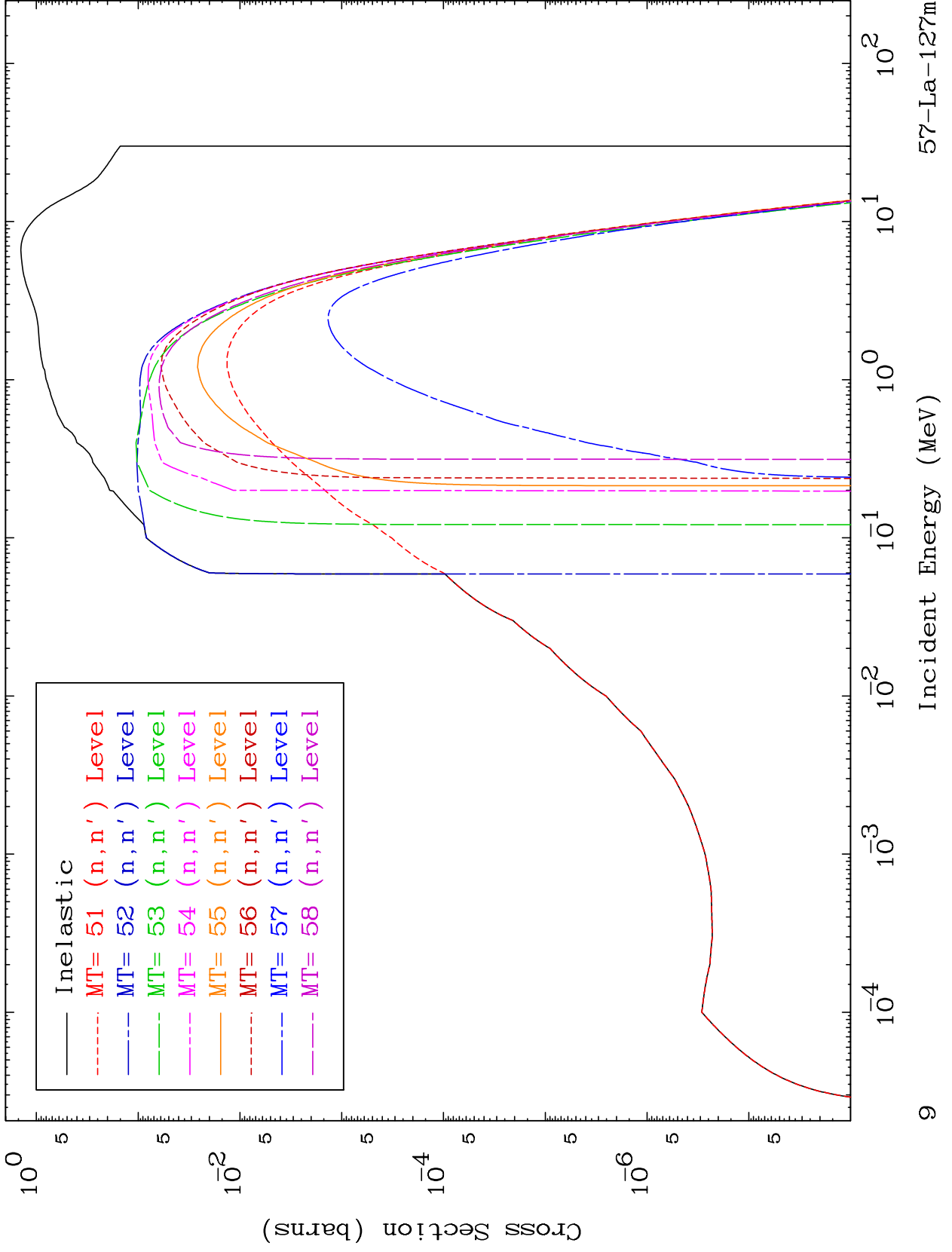
57-La-127m



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293 (n,n') Levels

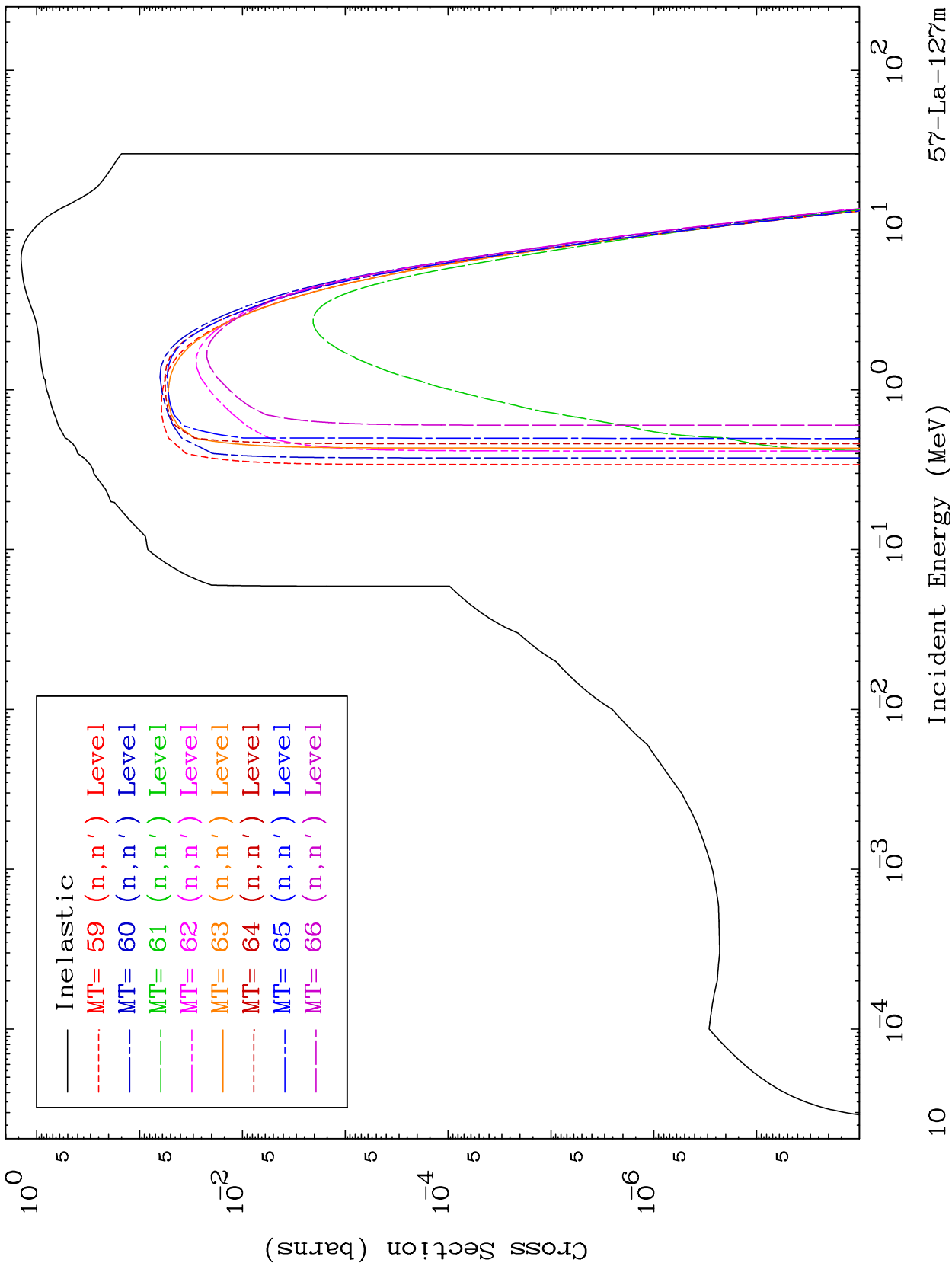
57-La-127m



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293 Kelvin Cross Sections
(n,n') Levels

57-La-127m



57-La-127m

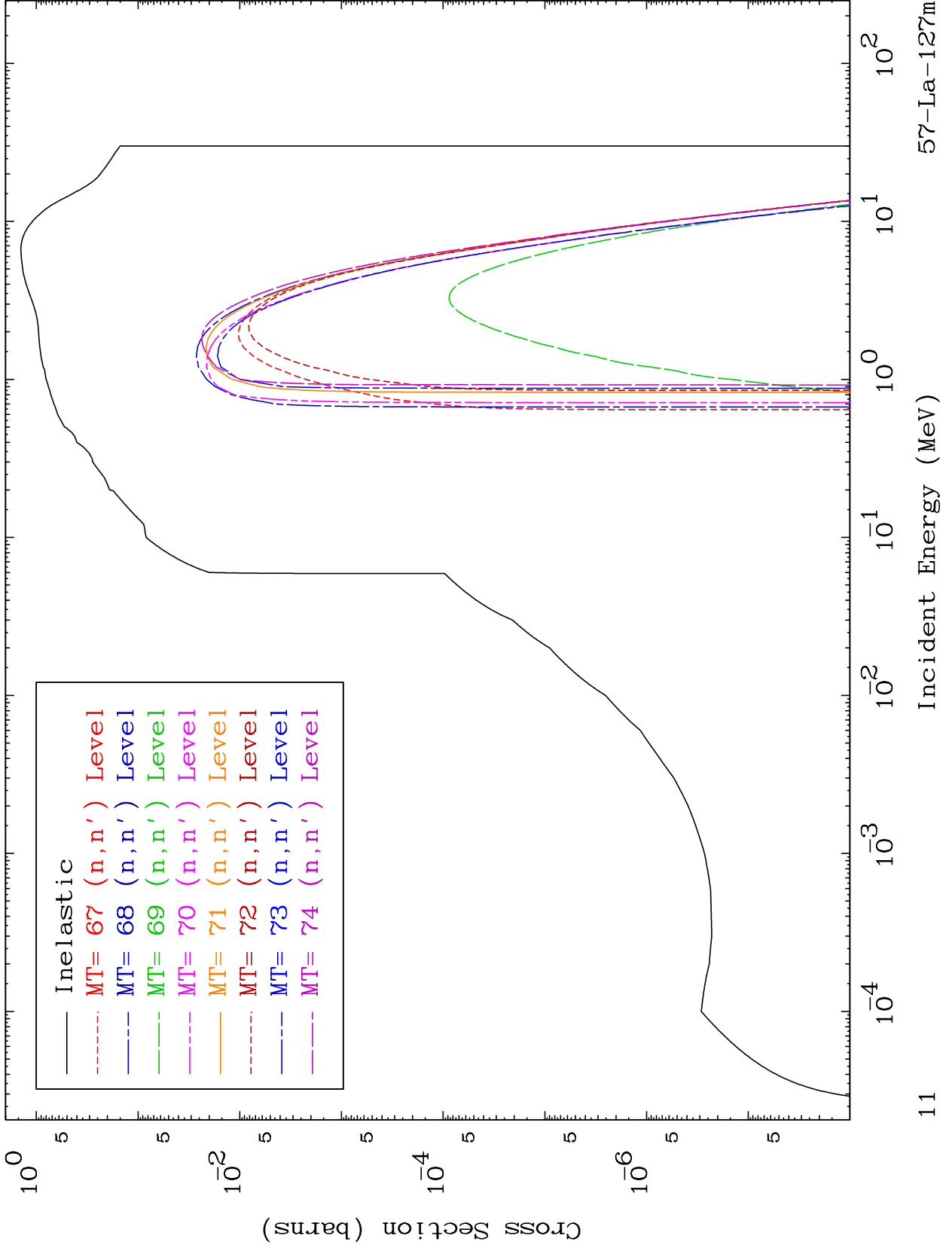
Incident Energy (MeV)

10

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(n,n') Levels
293 Kelvin Cross Sections

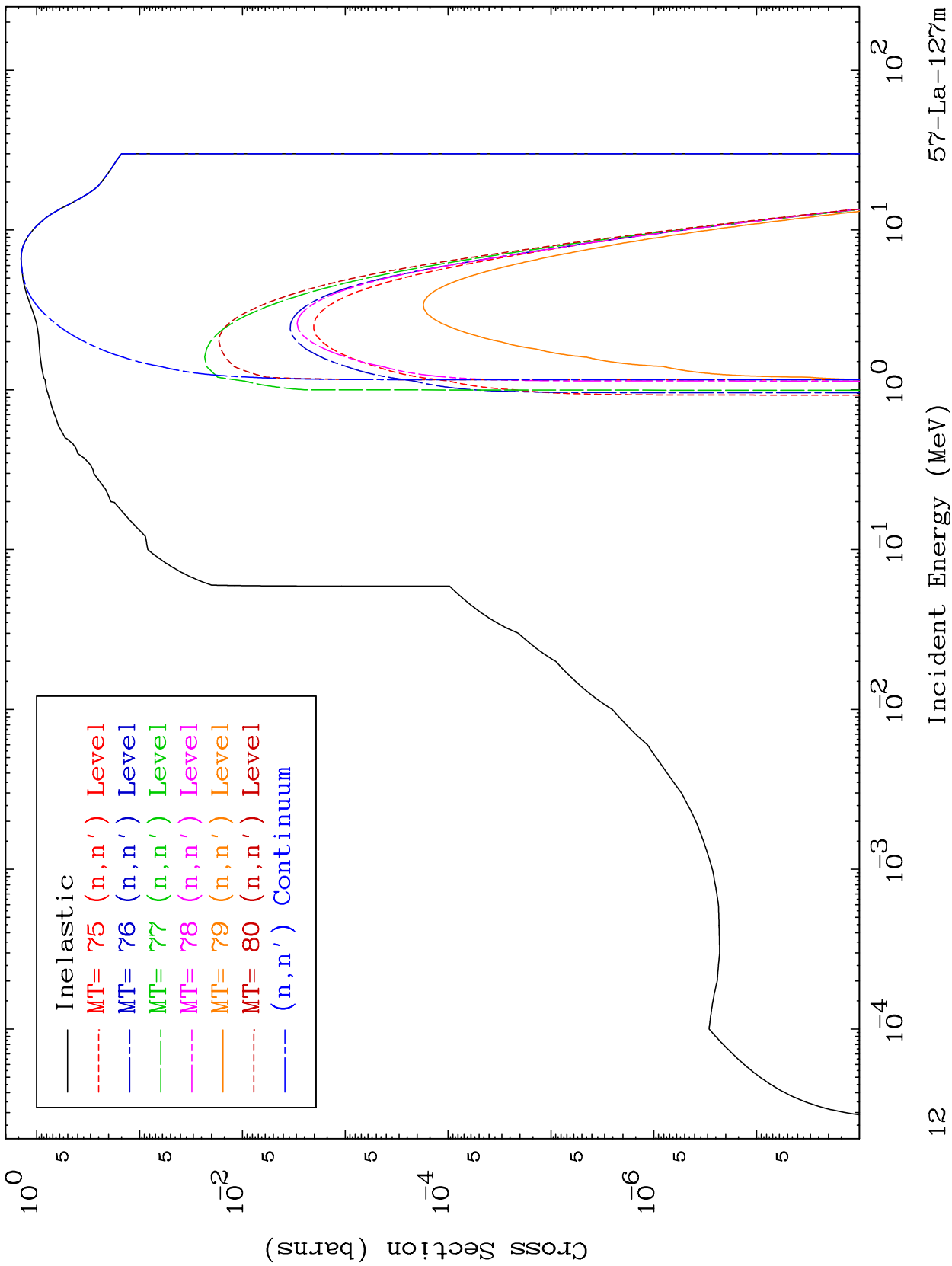
57-La-127m



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293 (n,n') Levels

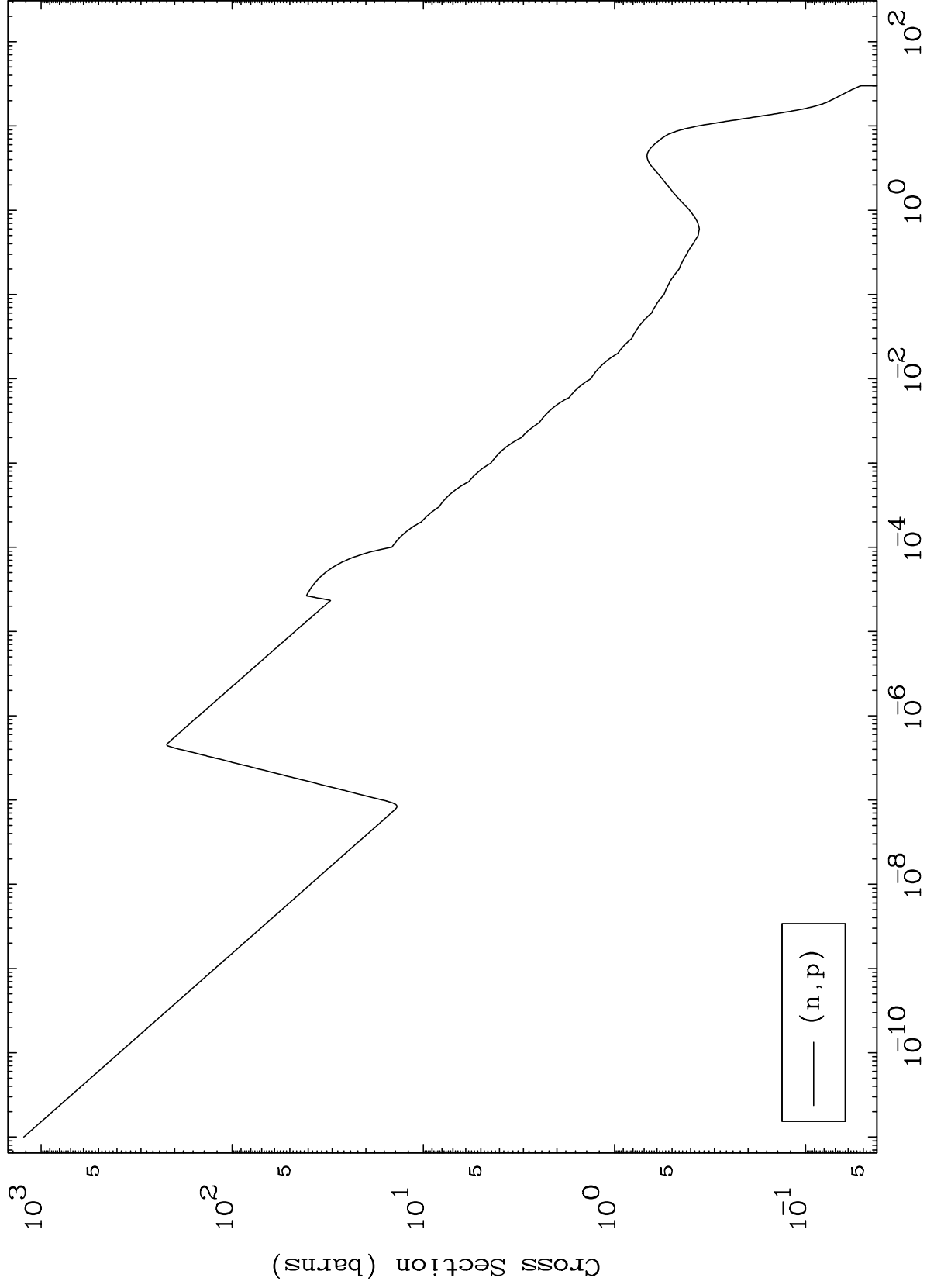
57-La-127m



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(n,p) Levels
293 Kelvin Cross Sections

57-La-127m



13

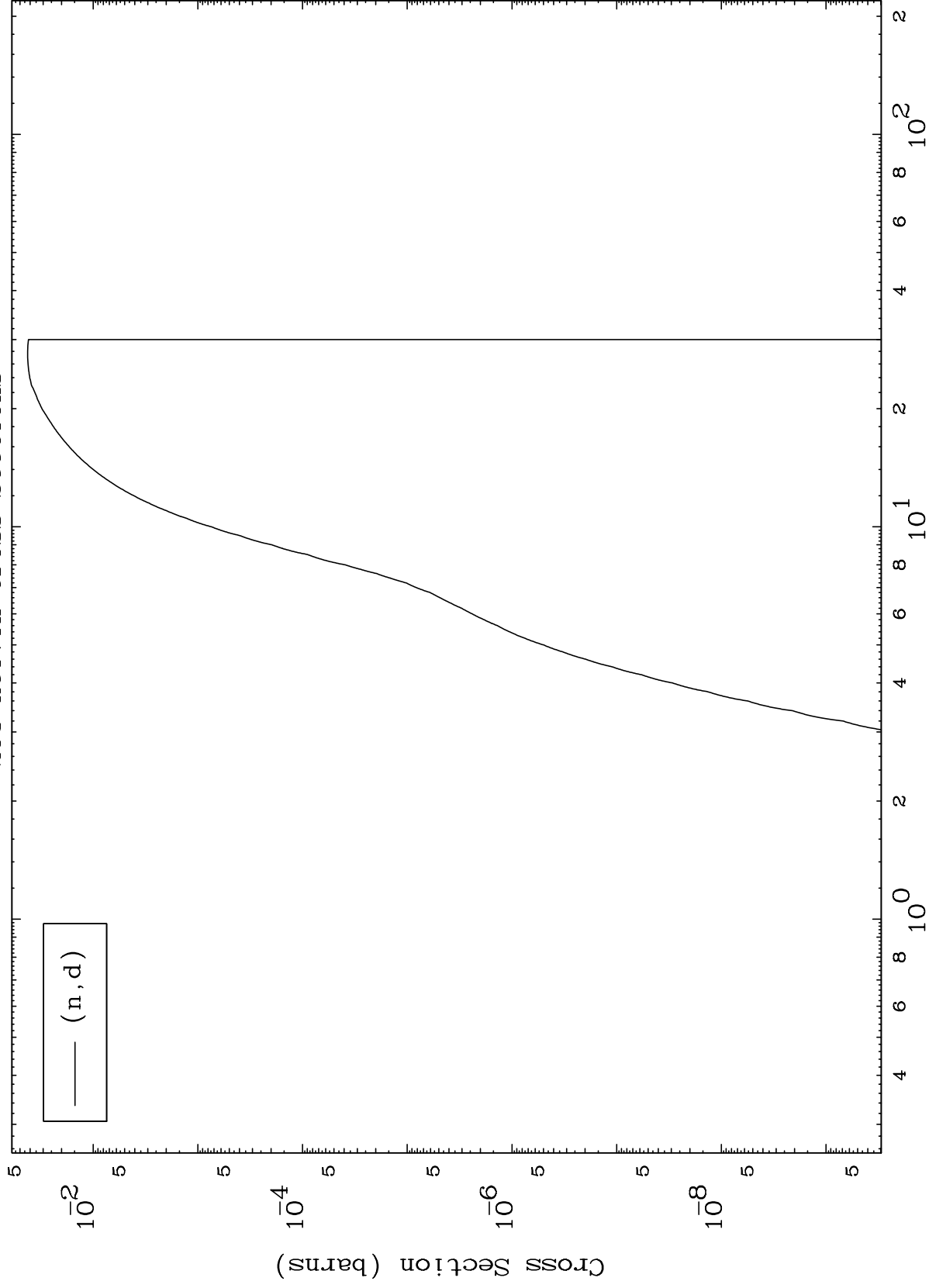
Incident Energy (MeV)

57-La-127m

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(n,d) Levels
293 Kelvin Cross Sections

57-La-127m



14

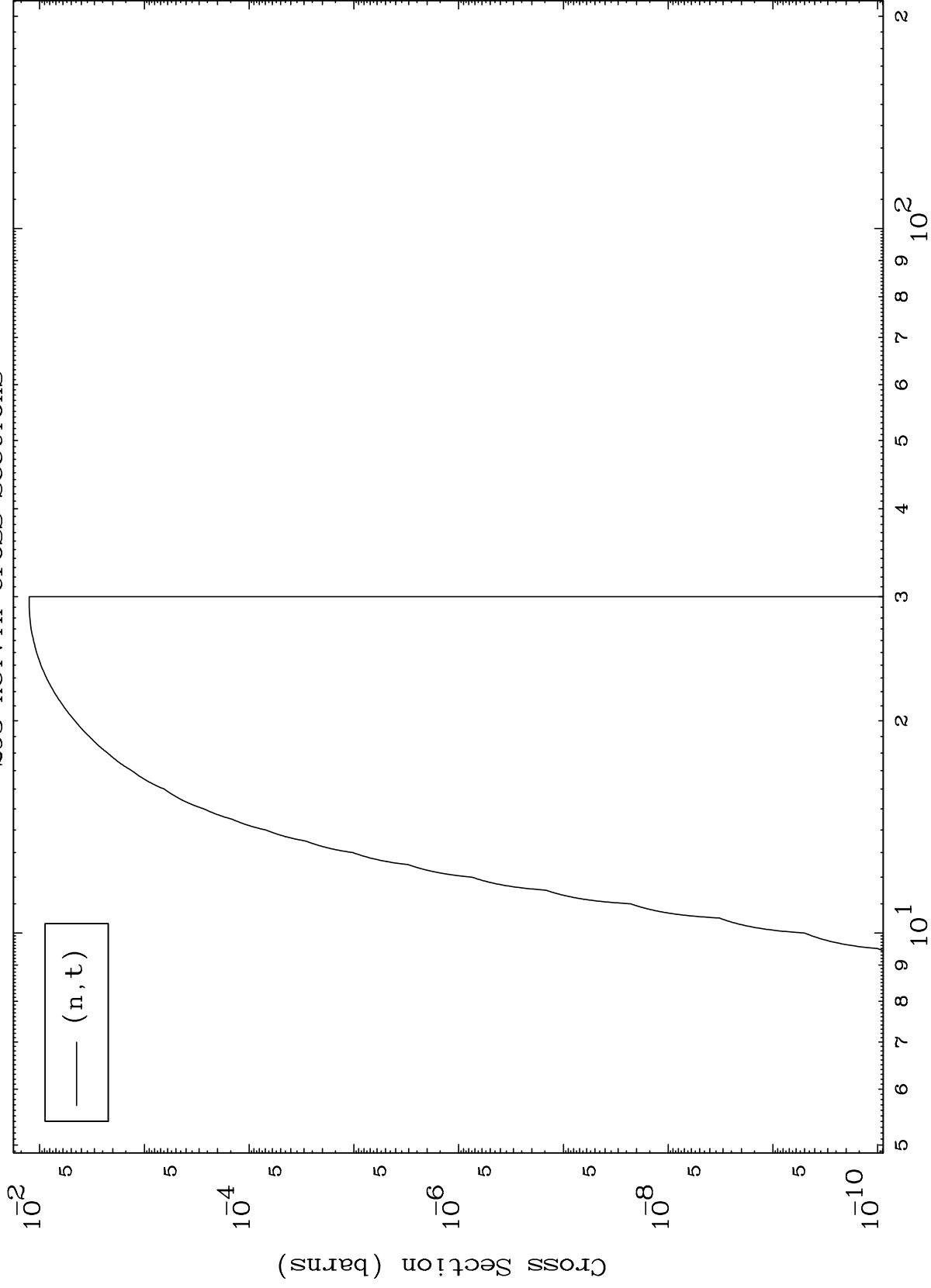
Incident Energy (MeV)

57-La-127m

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(n,t) Levels
293 Kelvin Cross Sections

57-La-127m



15

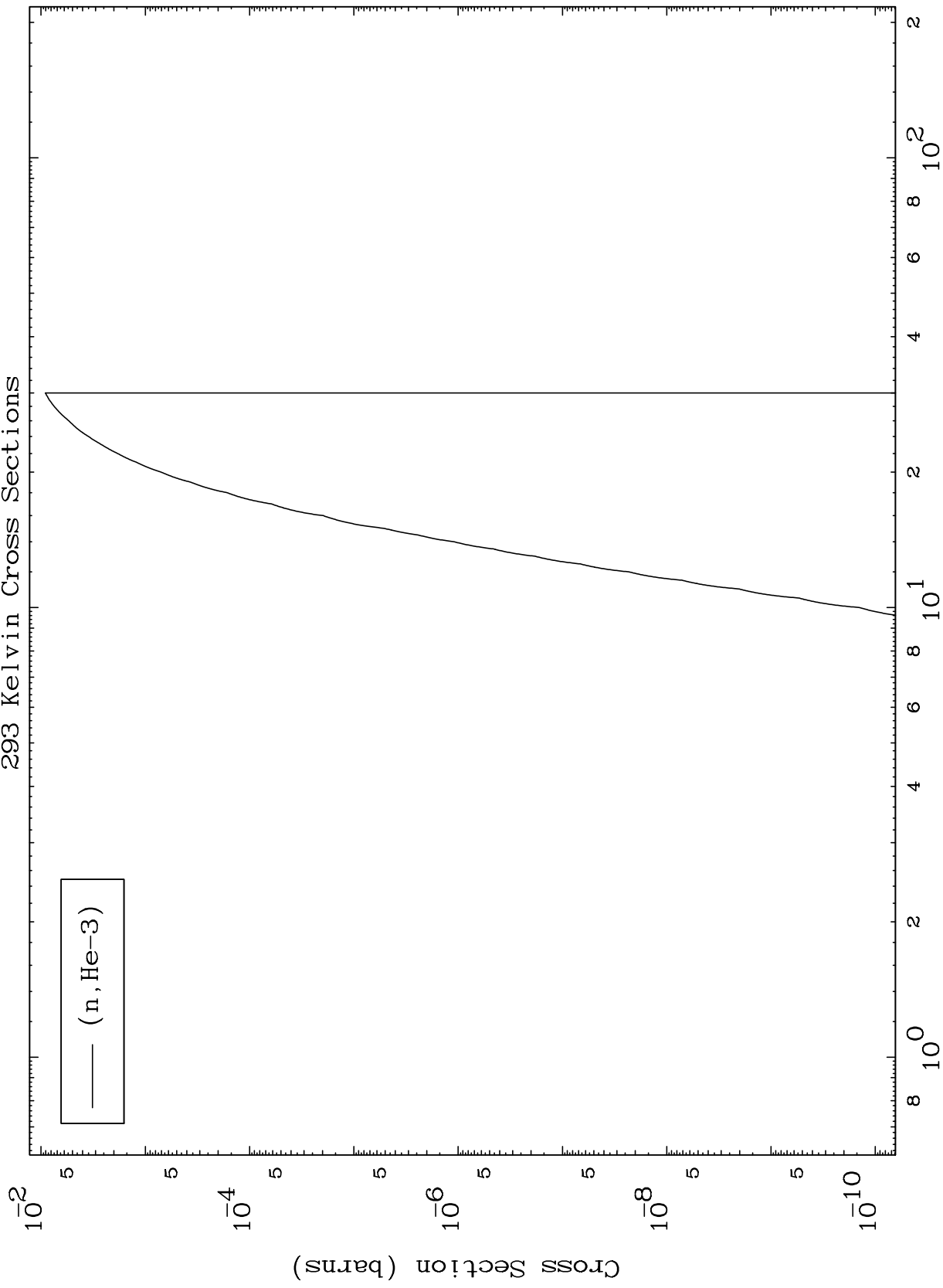
Incident Energy (MeV)

57-La-127m

MAT 5693

(n,He3) Levels
293 Kelvin Cross Sections

57-La-127m



16

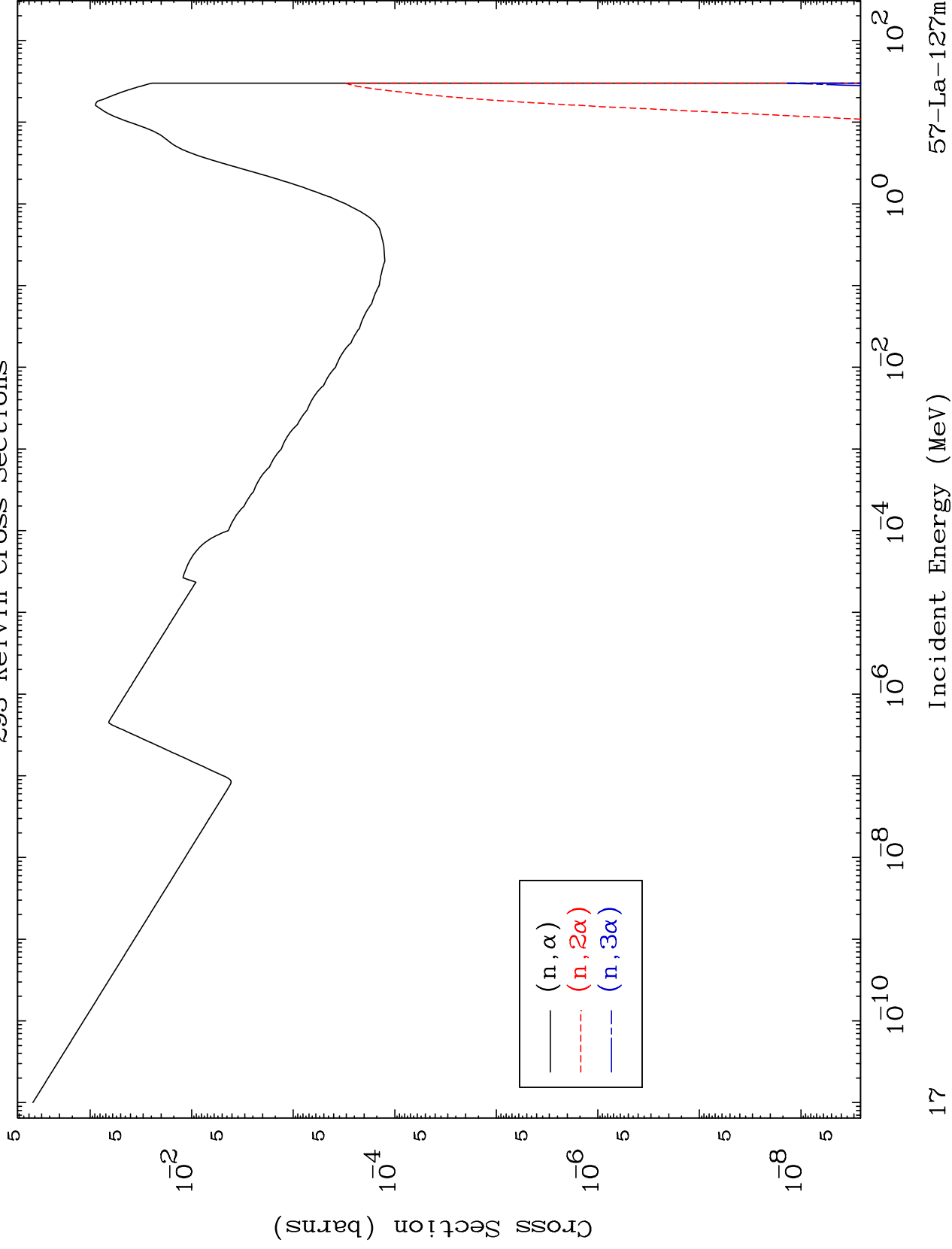
Incident Energy (MeV)

57-La-127m

MAT 5693

(n, α) Levels
293 Kelvin Cross Sections

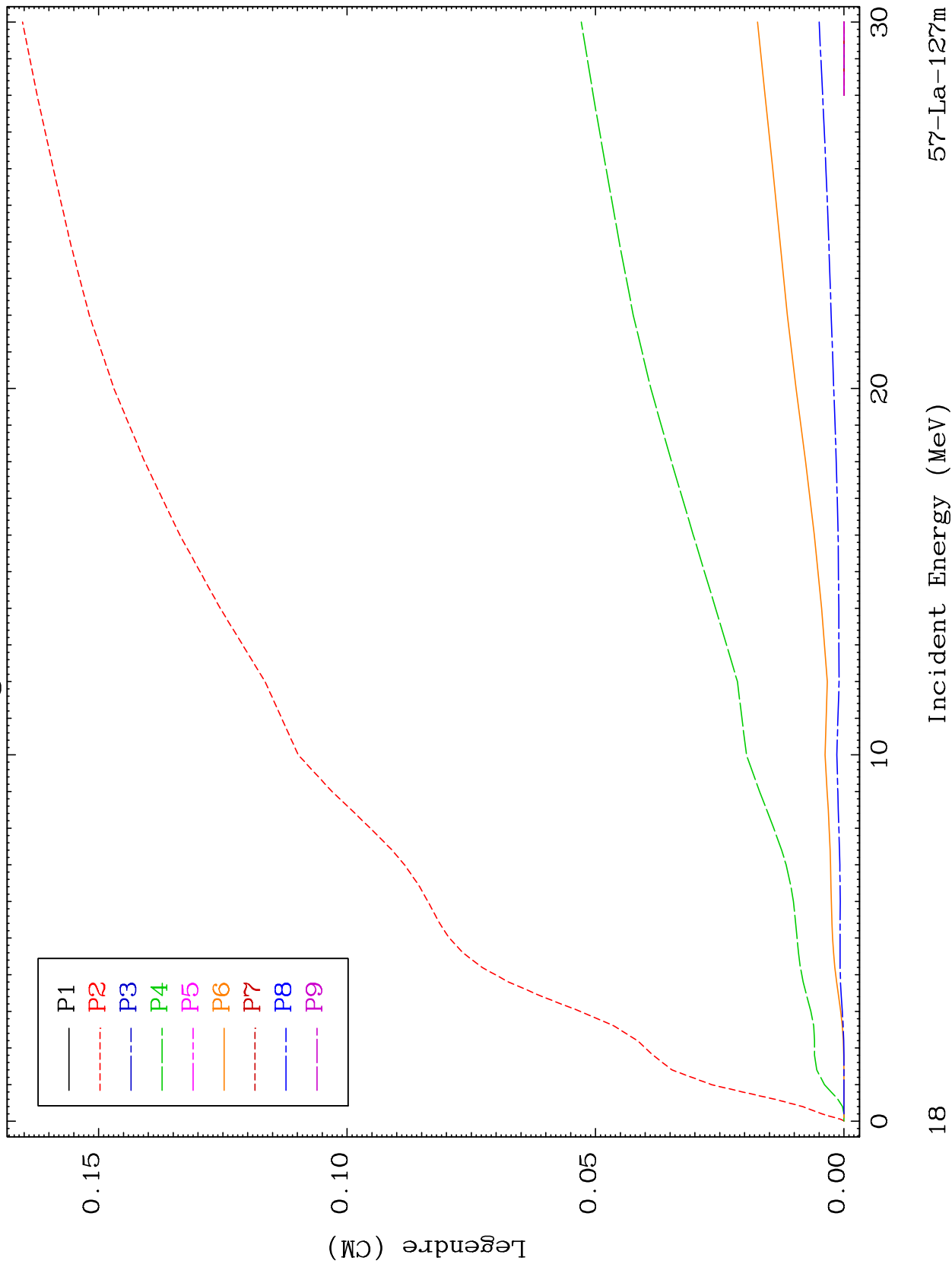
57-La-127m



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Elastic Legendre Coefficients

57-La-127m



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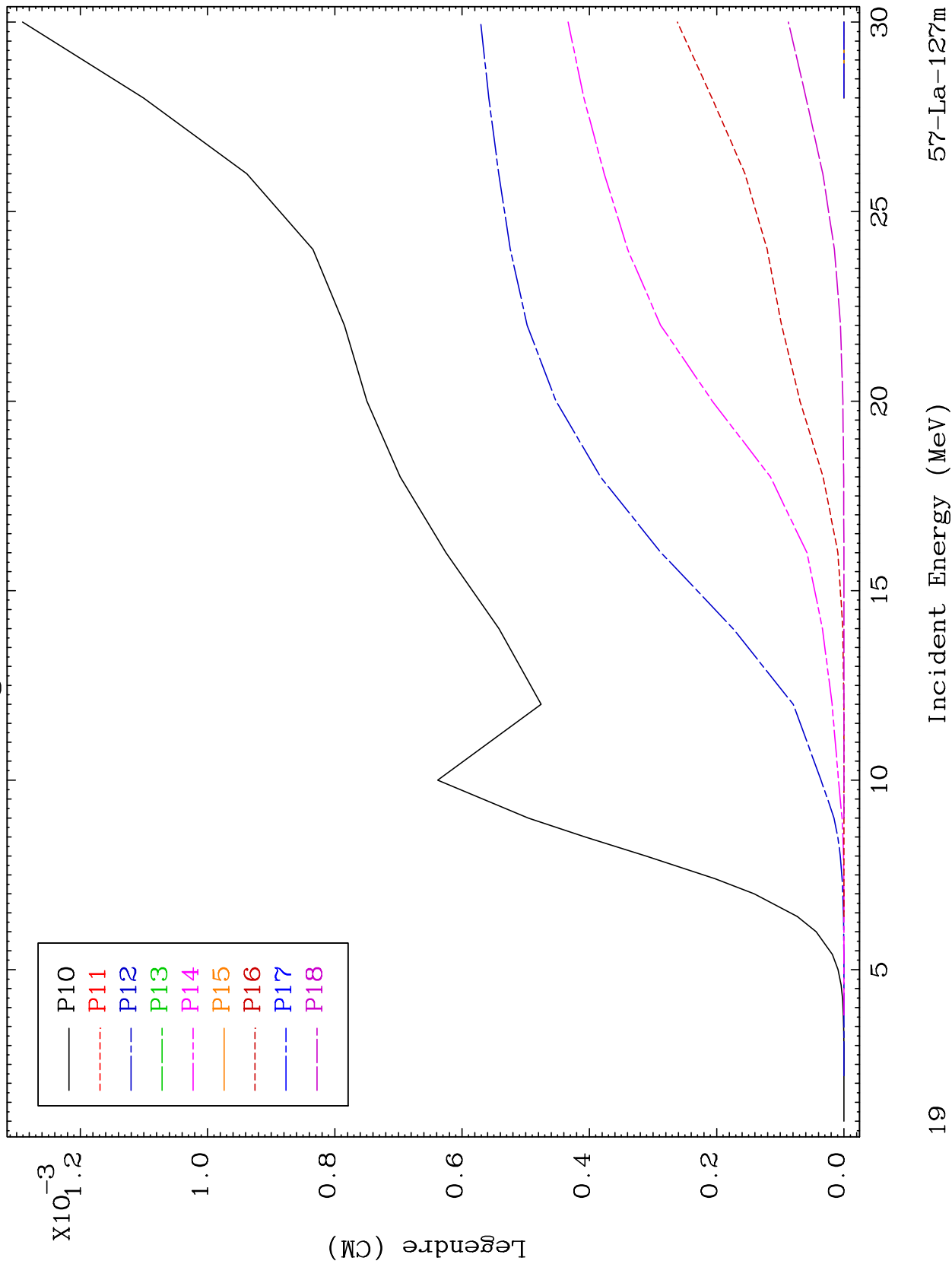
Incident Energy (MeV)

57-La-127m

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Elastic Legendre Coefficients

57-La-127m



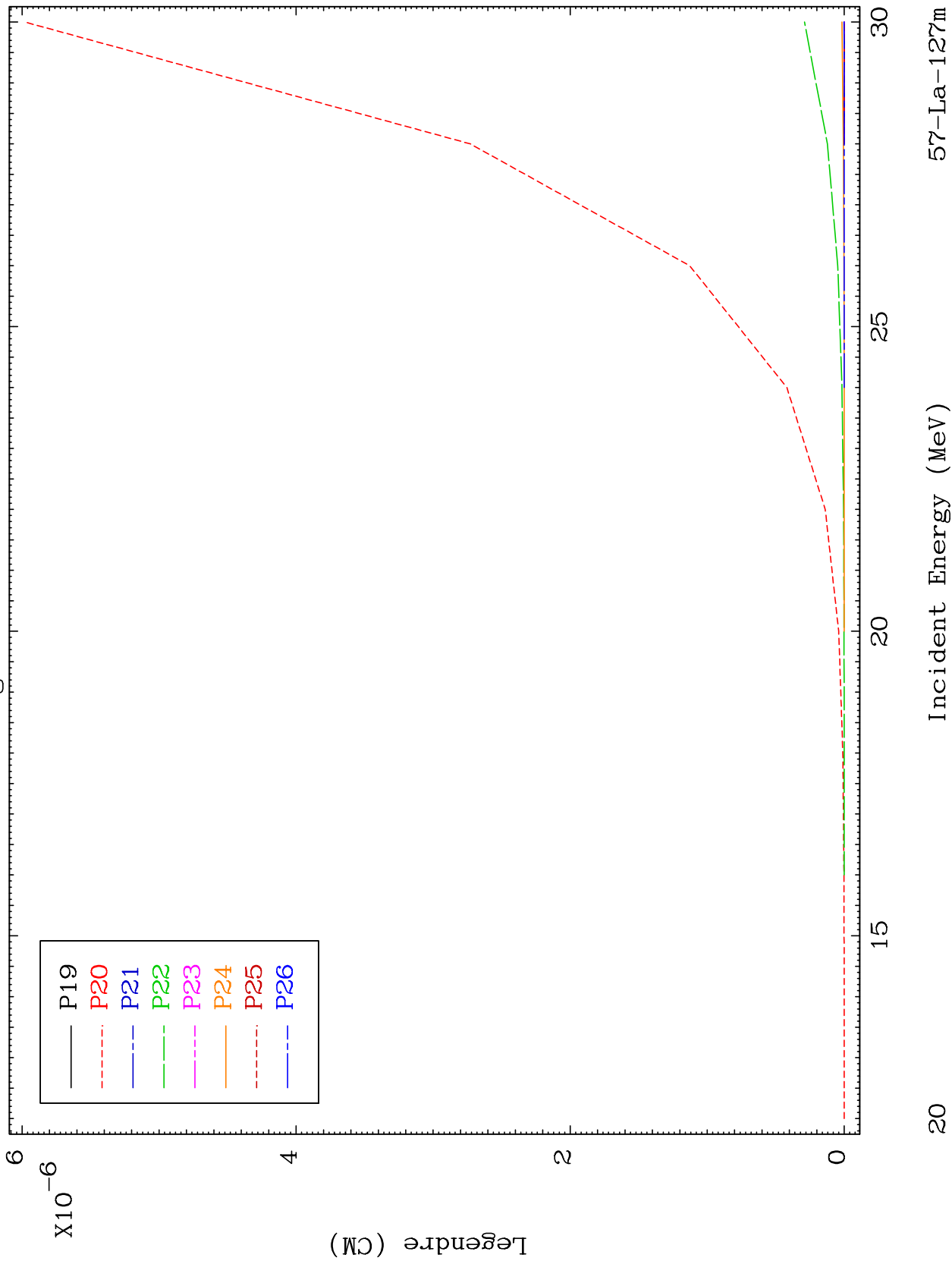
19

57-La-127m

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Elastic
Legendre Coefficients

57-La-127m



20

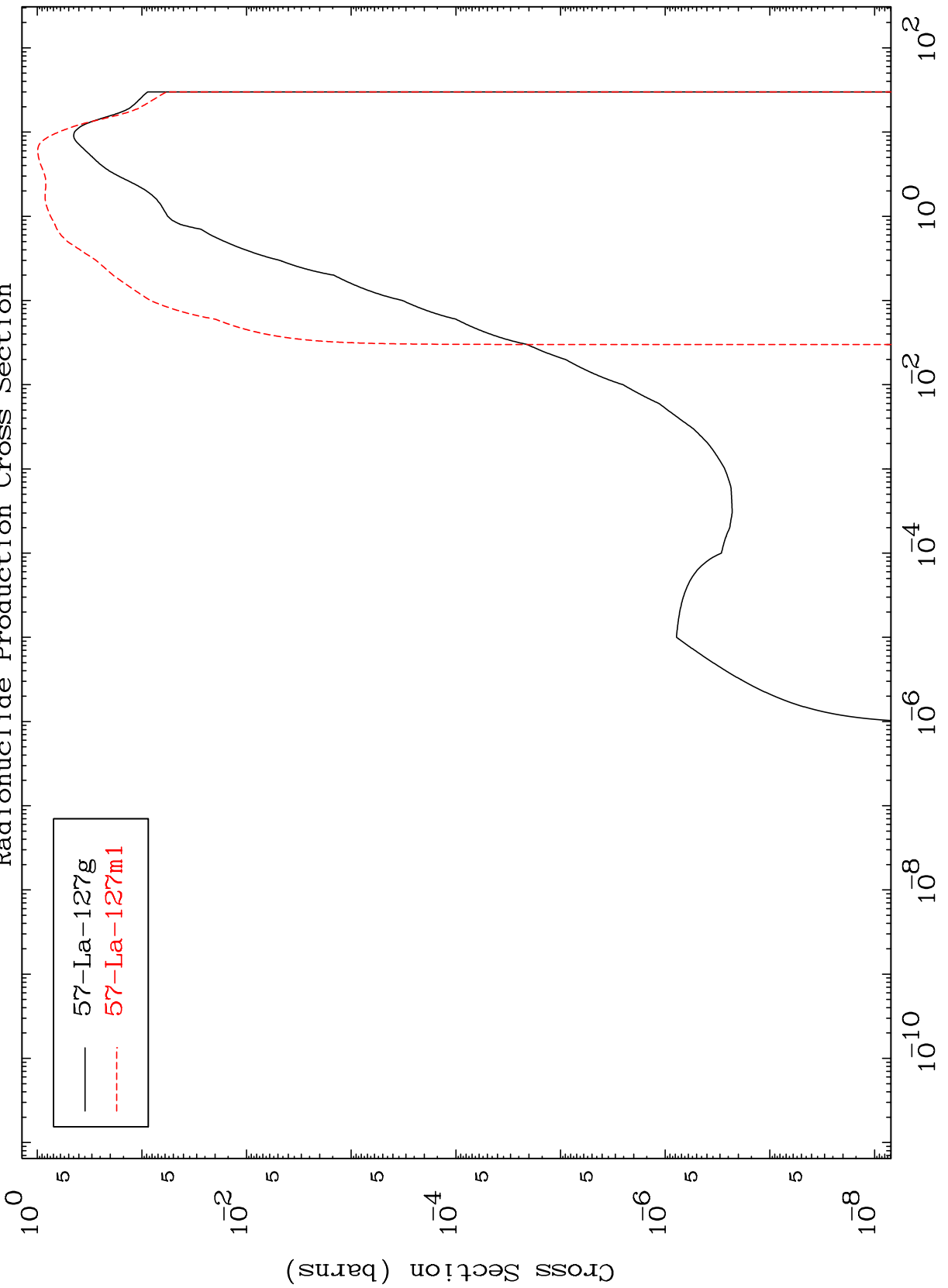
Incident Energy (MeV)

57-La-127m

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57-La-127m

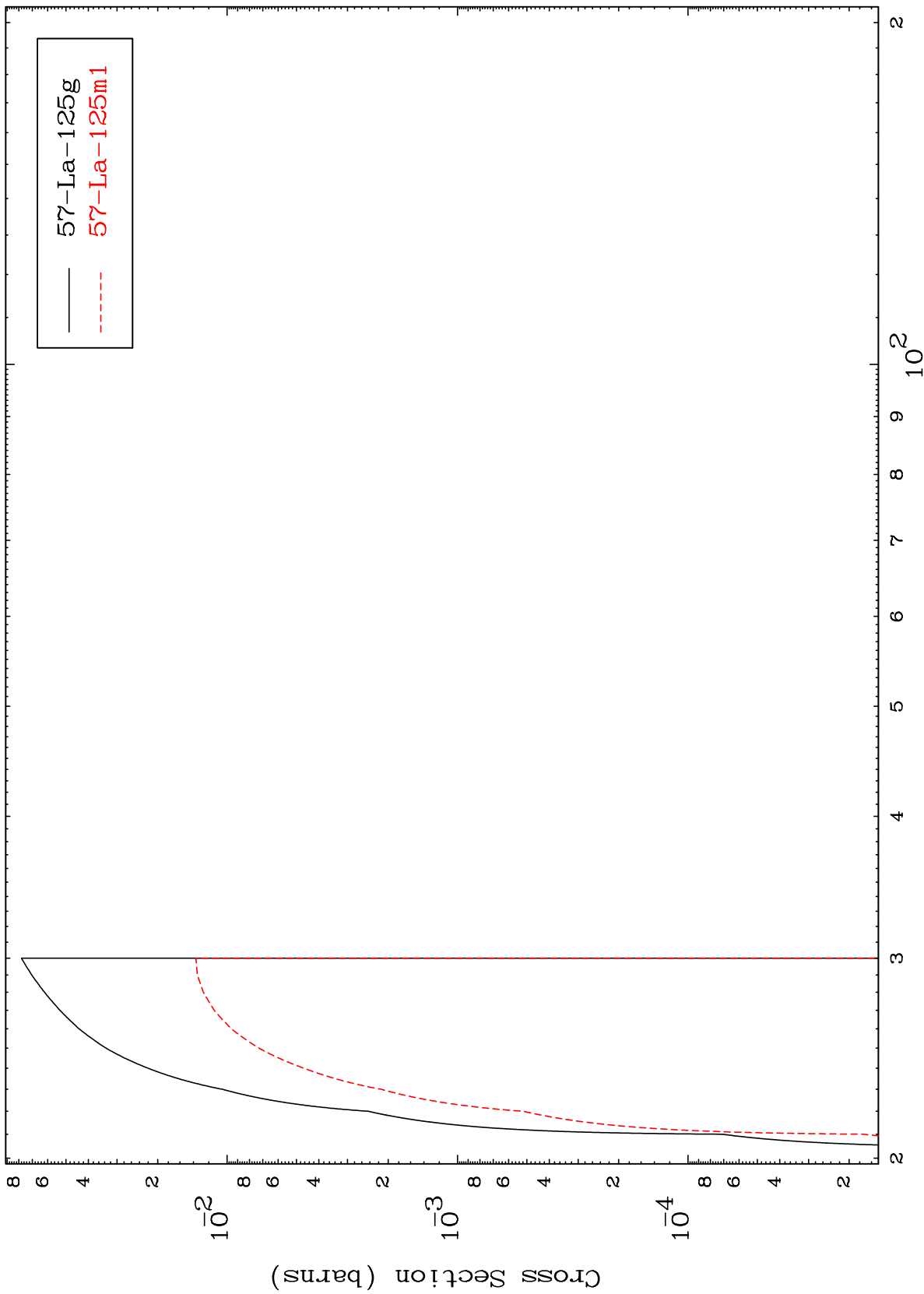
Inelastic
Radionuclide Production Cross Section



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57-La-127m

(n,3n)
Radionuclide Production Cross Section



57-La-127m

Incident Energy (MeV)

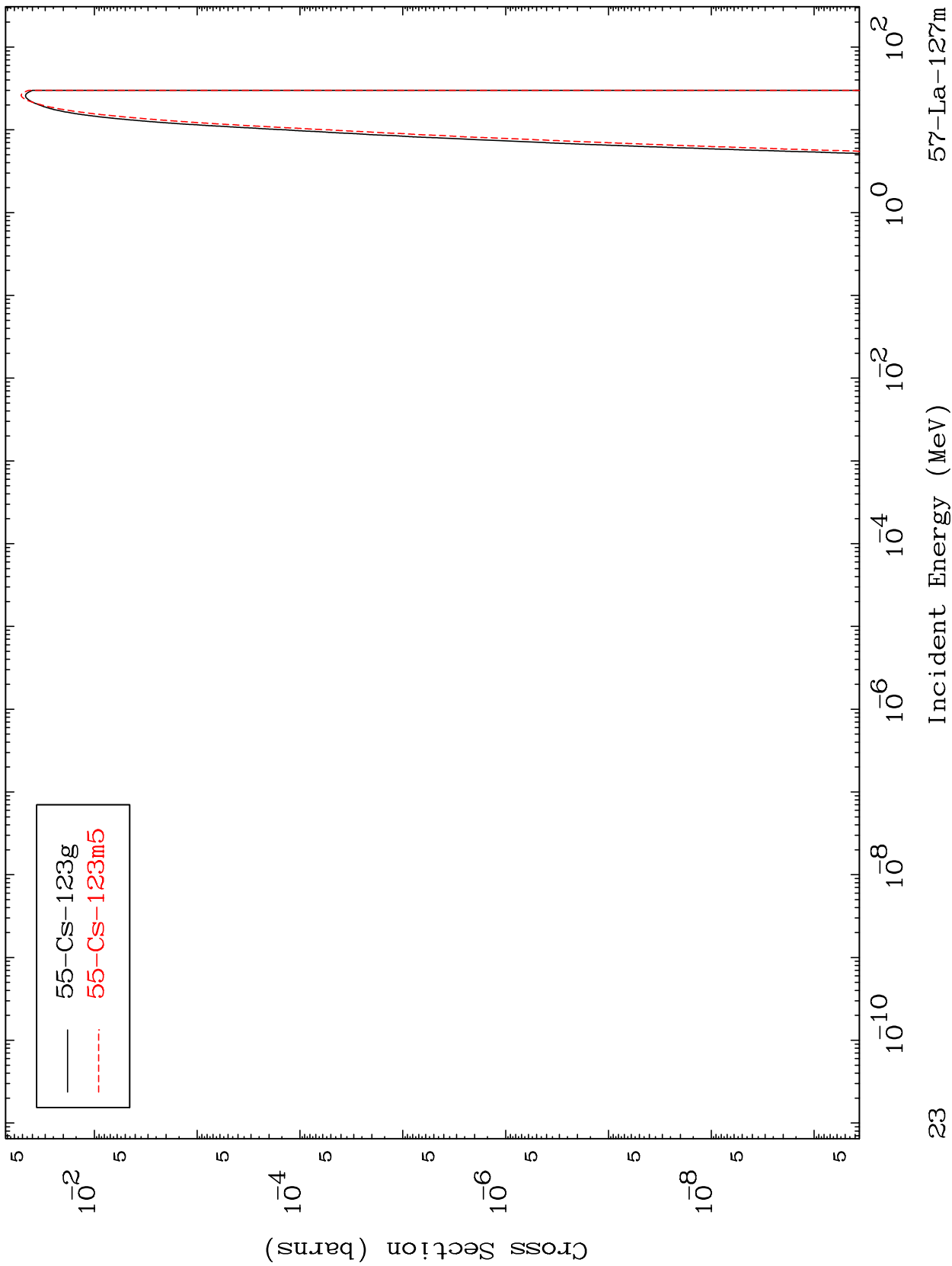
22

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$(n, n') \alpha$

57-La-127m

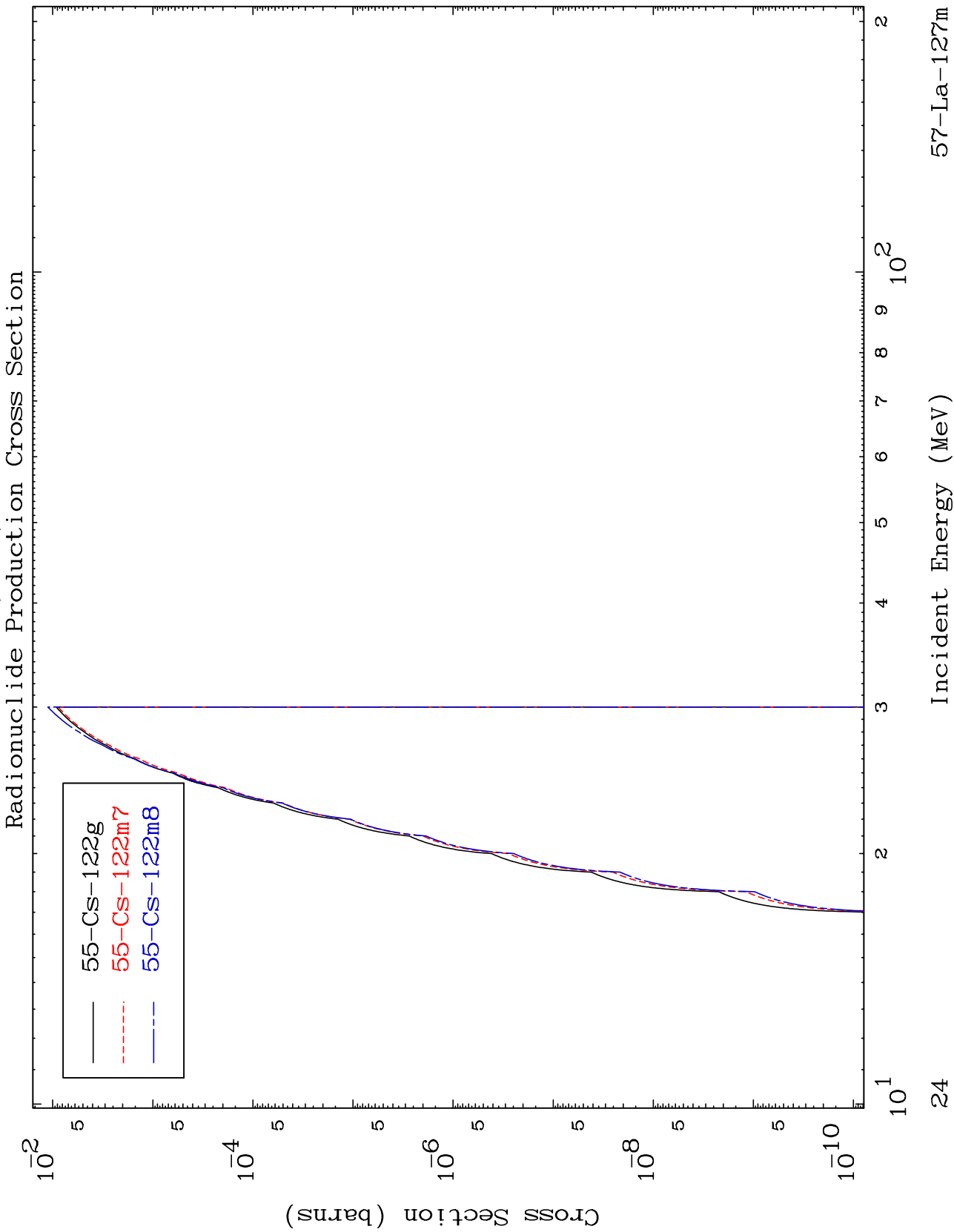
Radionuclide Production Cross Section



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(n,2n) α

57-La-127m

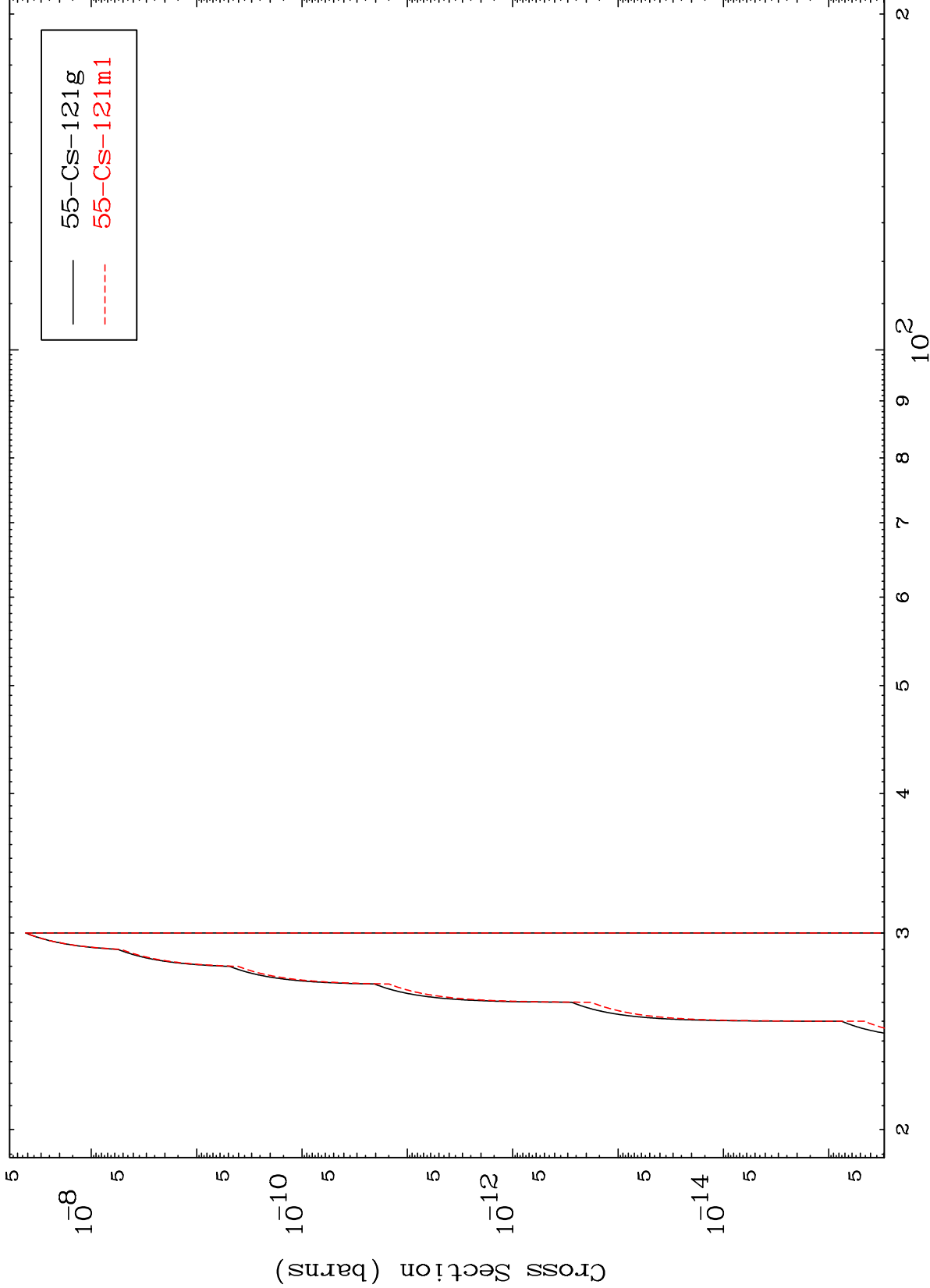


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(n,3n) α

57-La-127m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

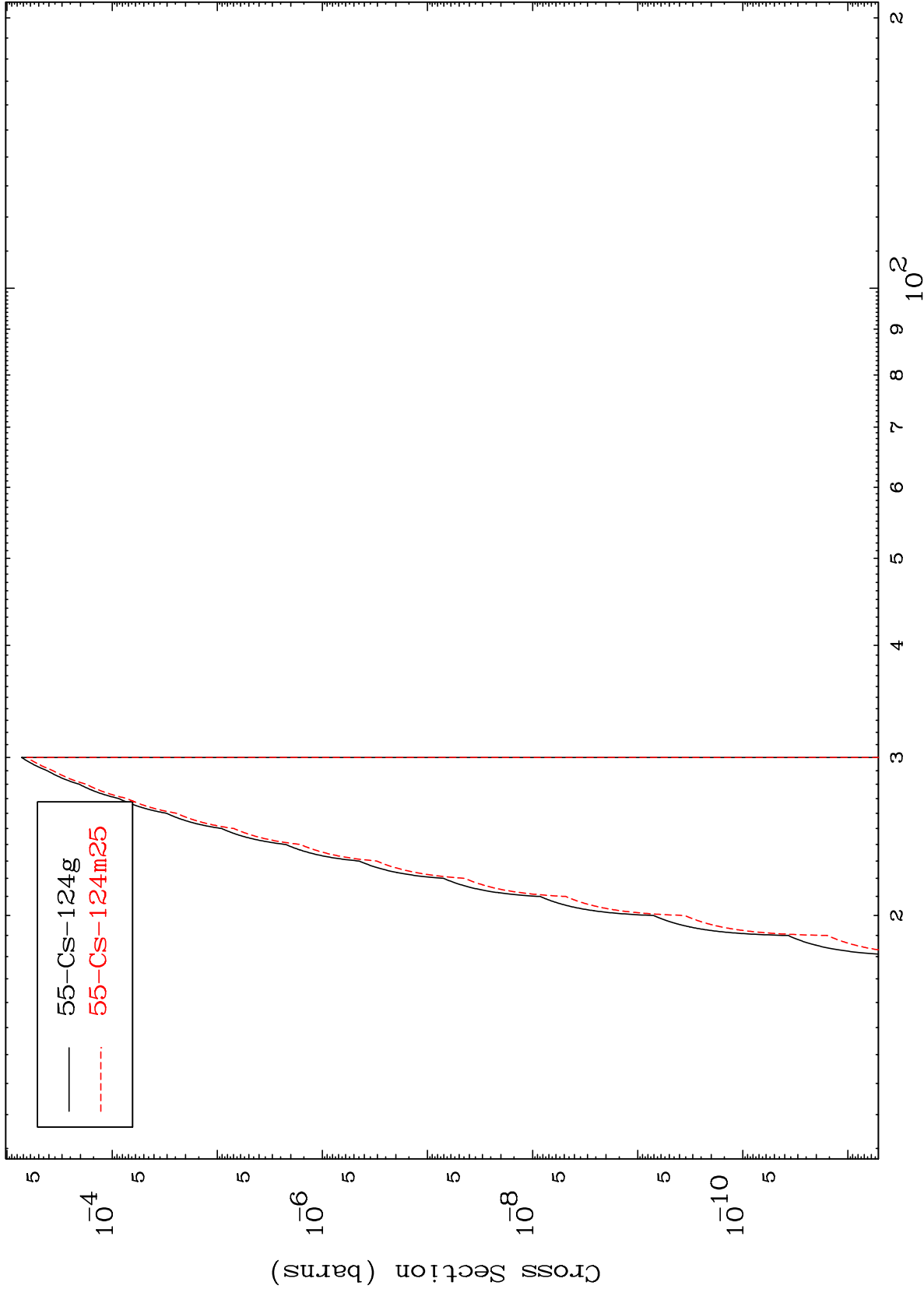
57-La-127m

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(n,n') He-3

57-La-127m

Radionuclide Production Cross Section



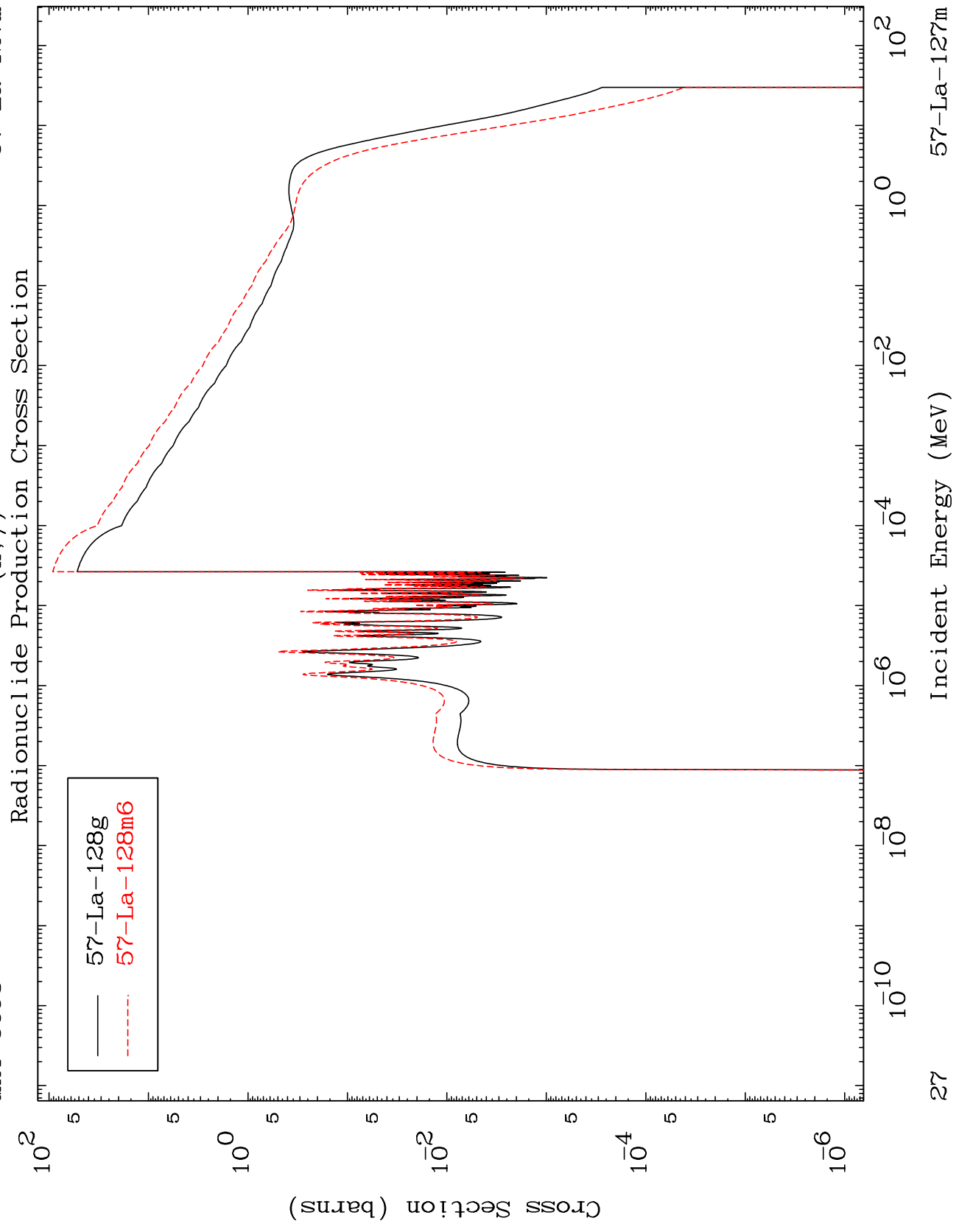
Incident Energy (MeV)

57-La-127m

26

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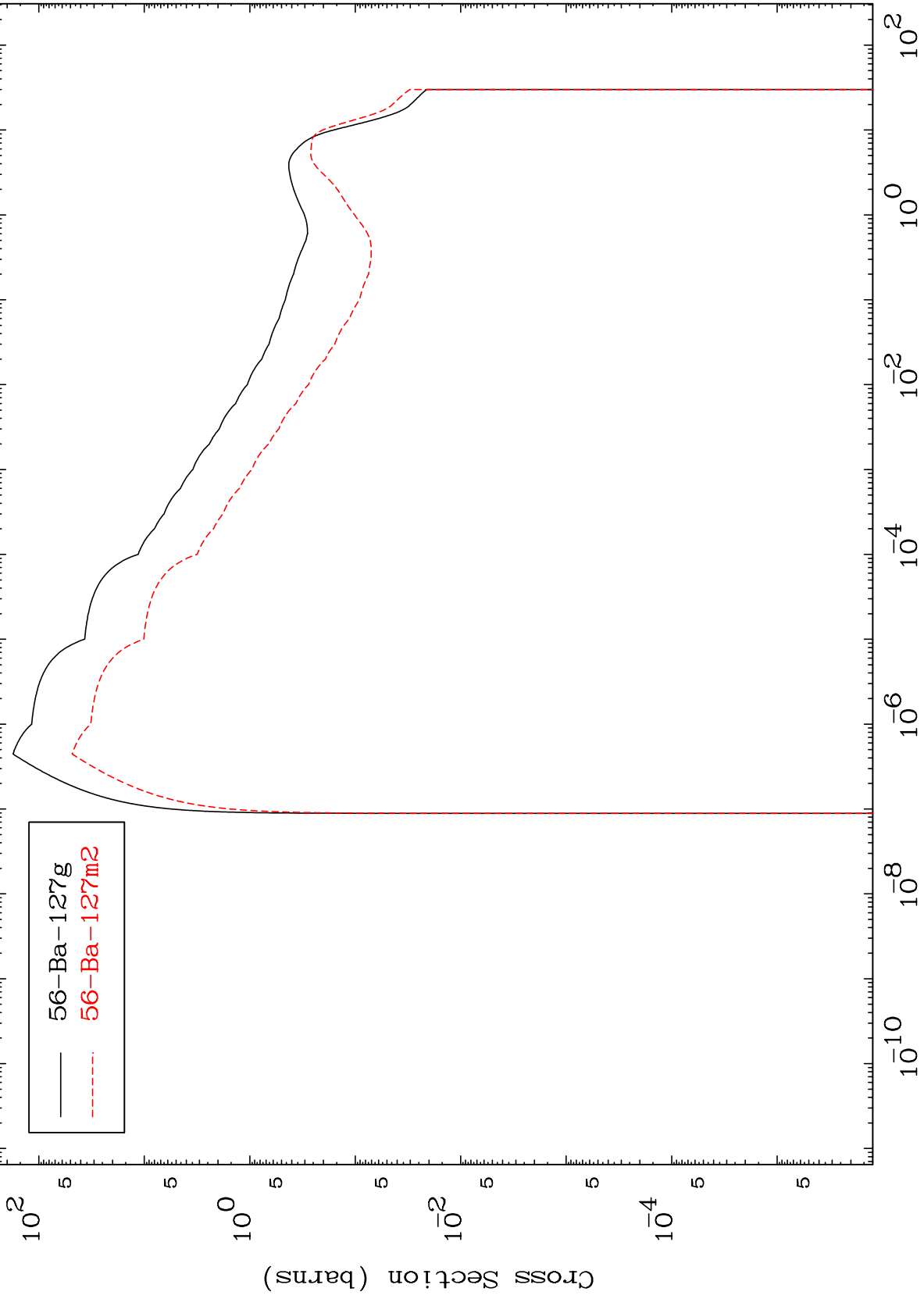
57-La-127m



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57-La-127m

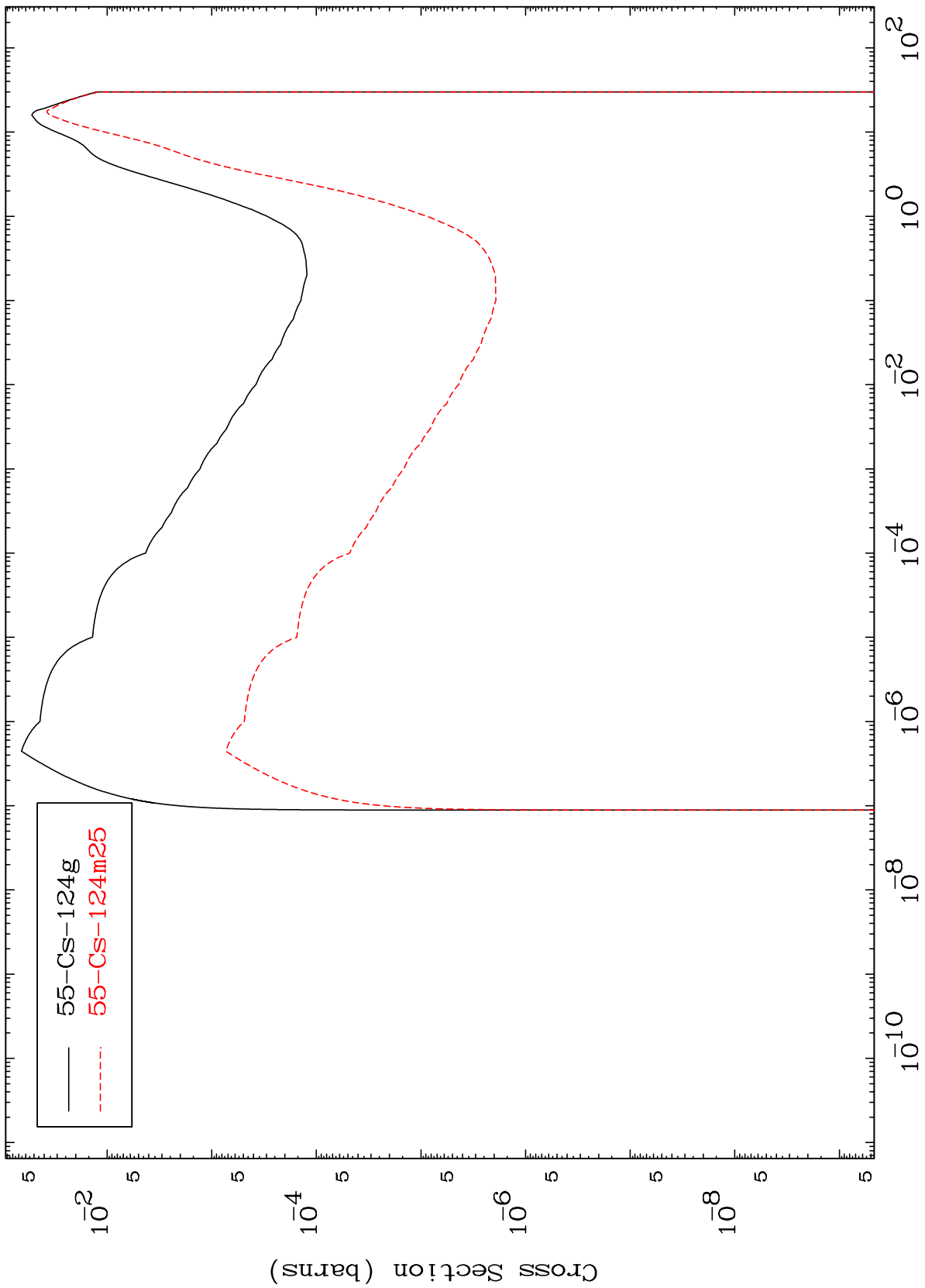
Radionuclide Production Cross Section (n,p)



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57-La-127m

Radionuclide Production Cross Section (n, α)



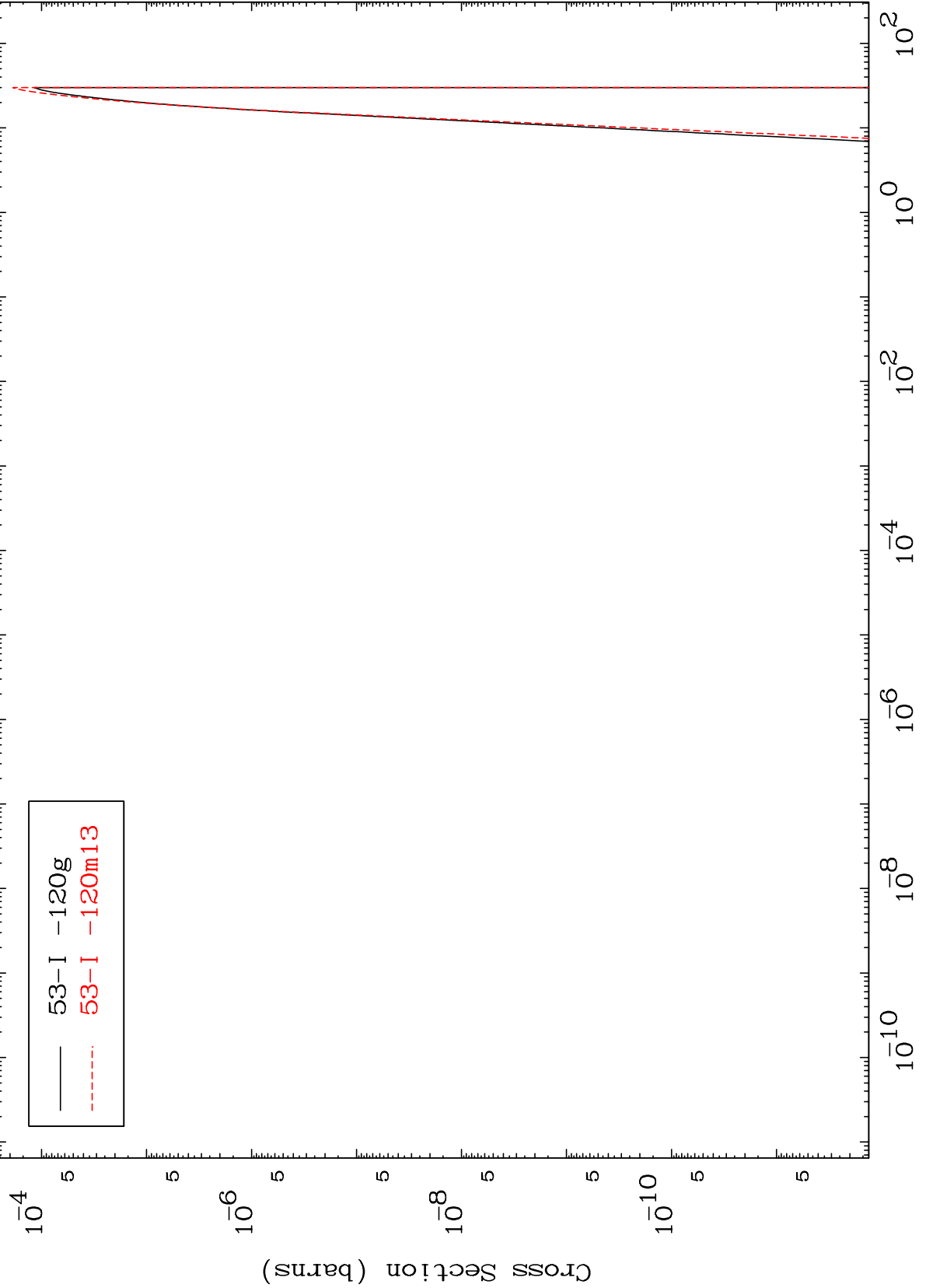
55-Cs-124g
55-Cs-124m25

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(n,2α)

57-La-127m

Radionuclide Production Cross Section

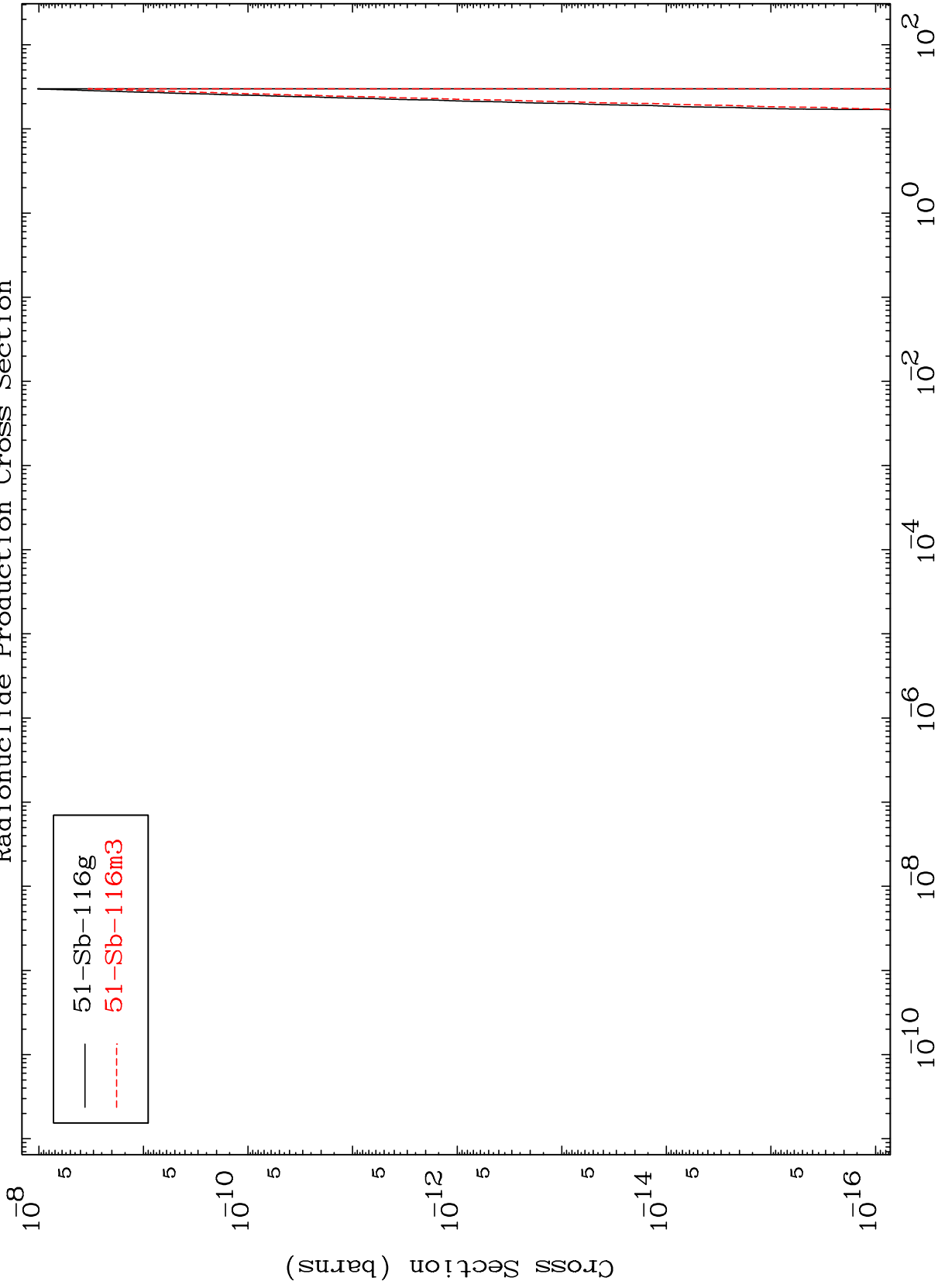


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(n, 3α)

57-La-127m

Radionuclide Production Cross Section

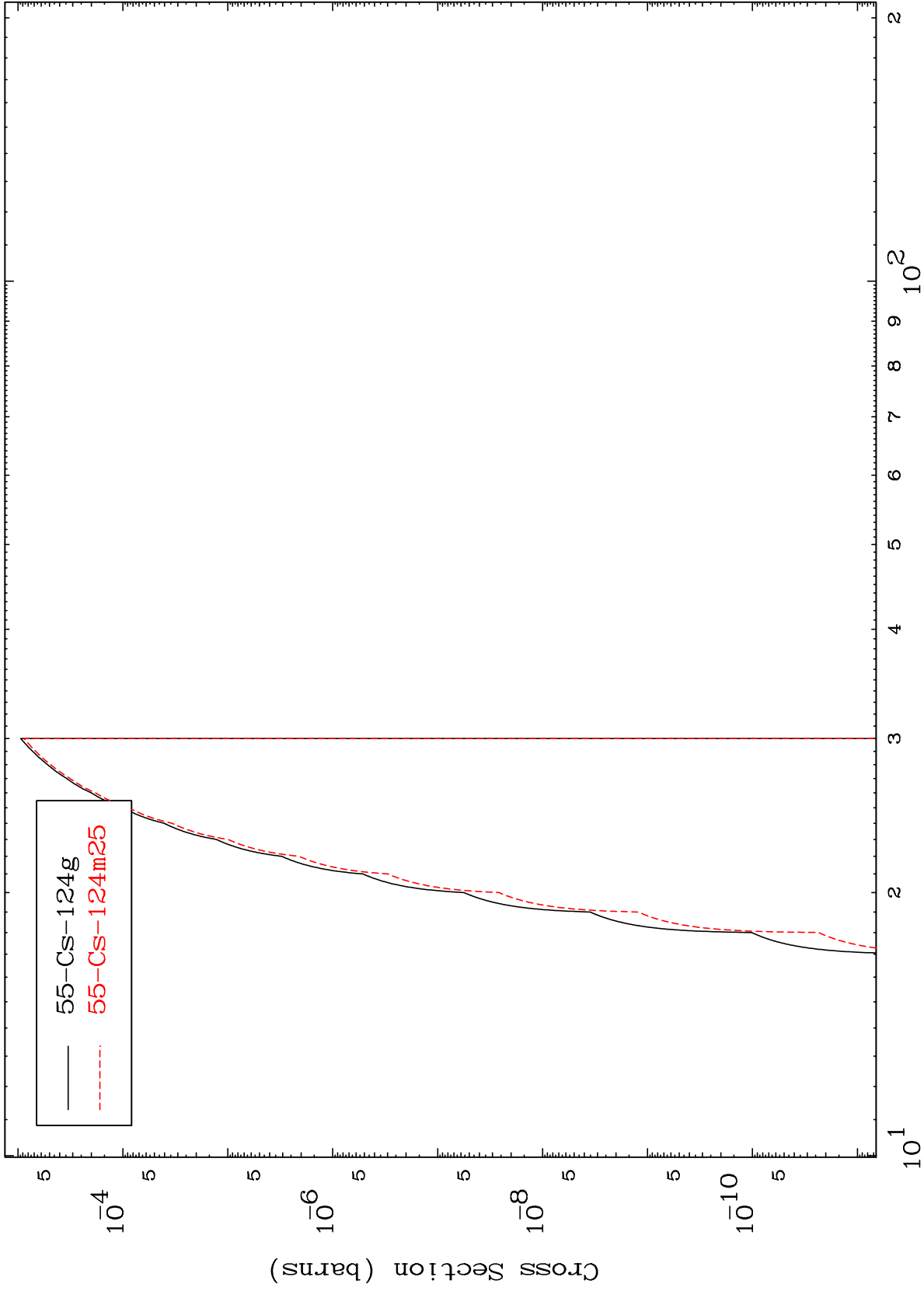


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(n,p) t

57-La-127m

Radionuclide Production Cross Section



Incident Energy (MeV)

57-La-127m

32