

Program EVALPLOT  
(Version 2021-1)

by

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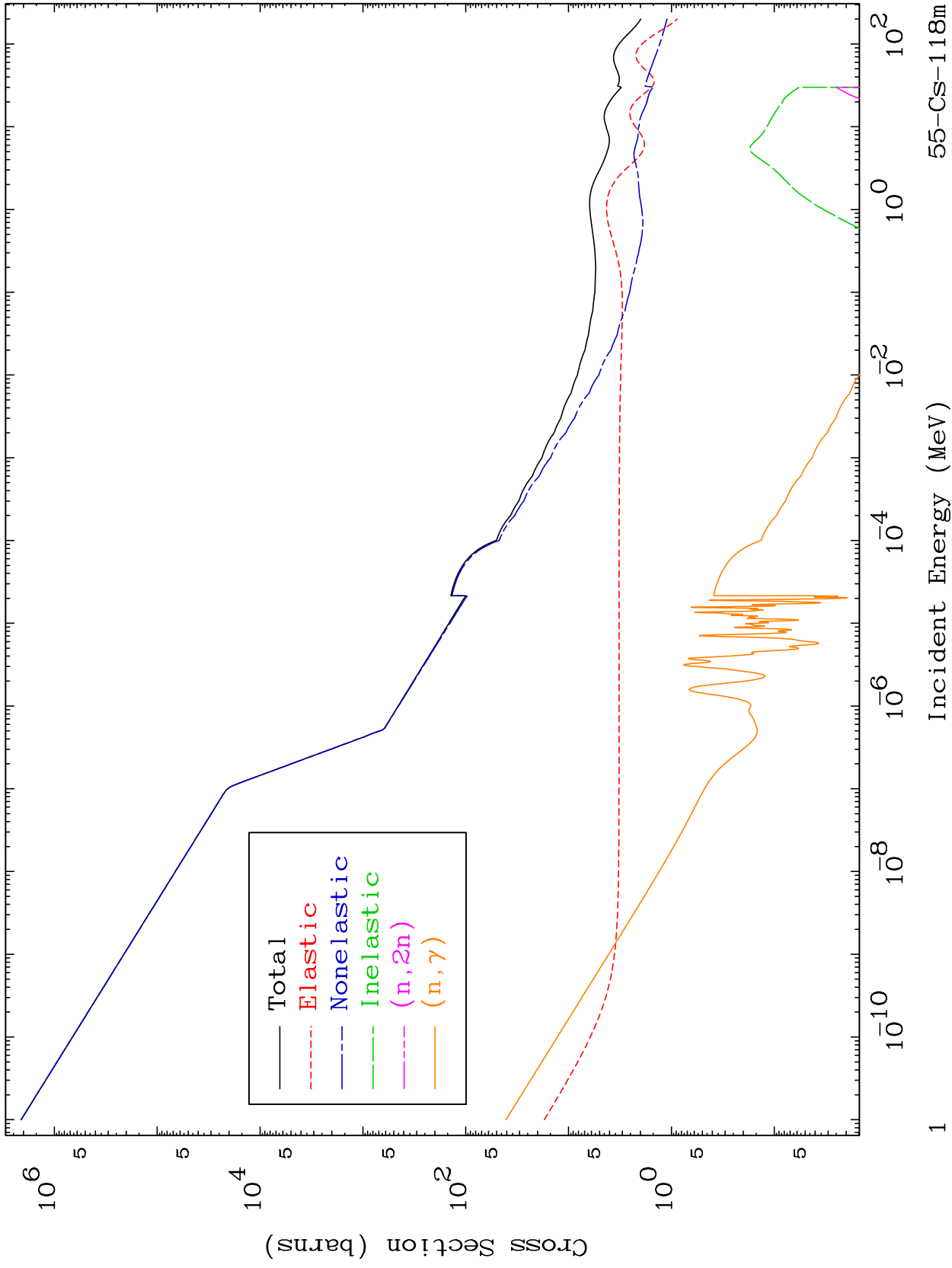
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5481

Neutron Major  
293 Kelvin Cross Sections

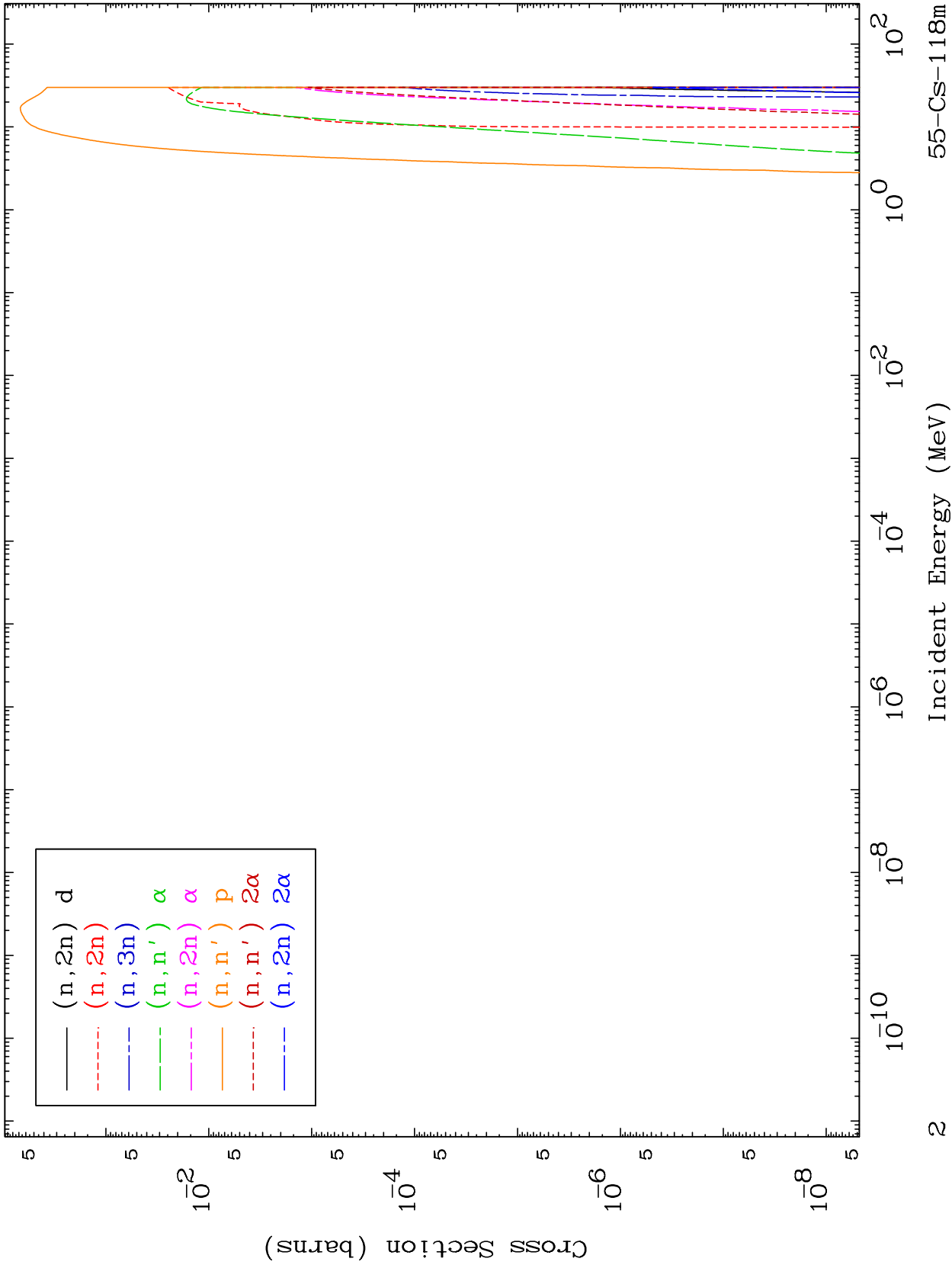
55-Cs-118m



MAT 5481

Neutron Absorption  
293 Kelvin Cross Sections

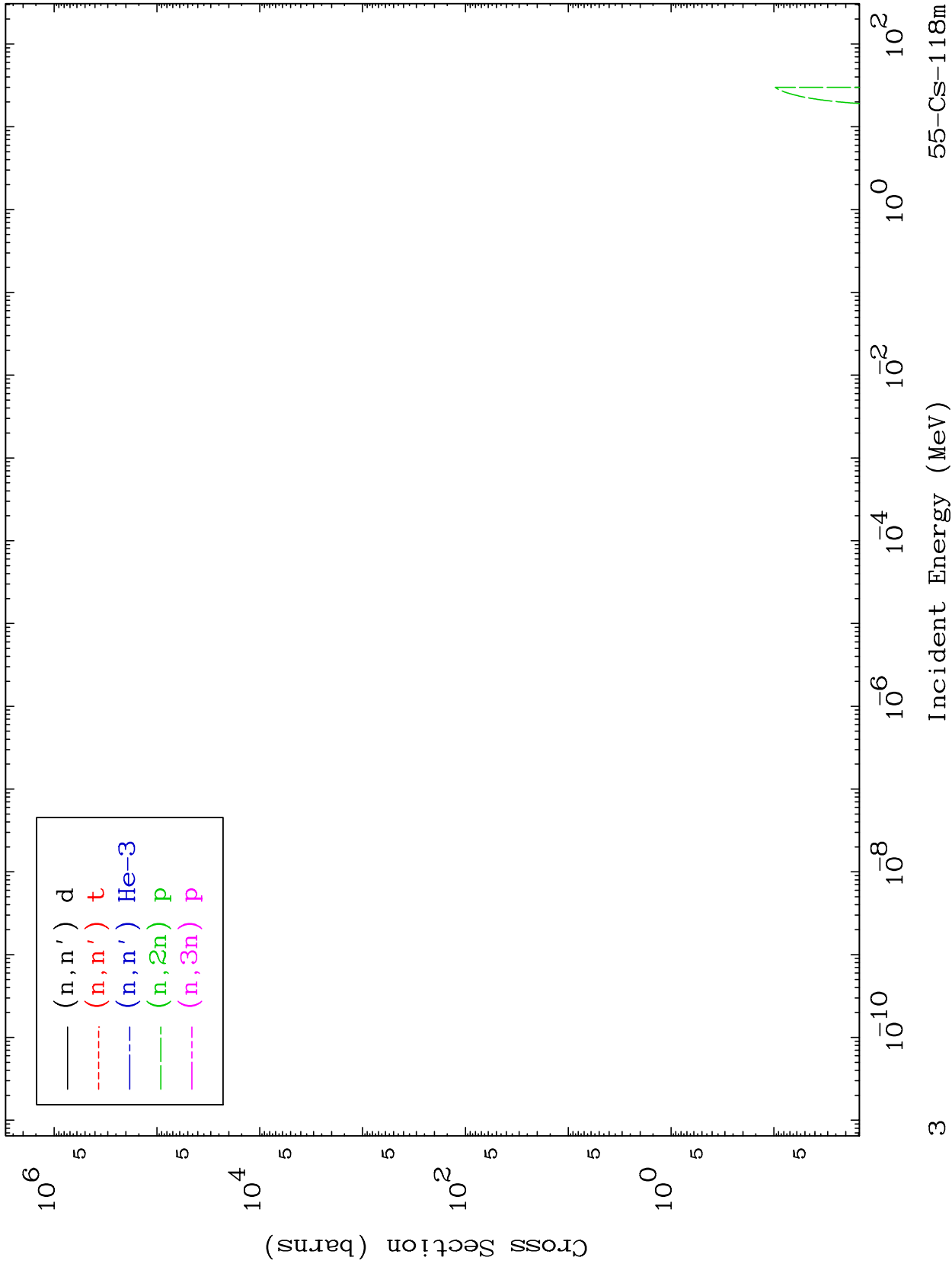
55-Cs-118m



MAT 5481

Neutron Absorption  
293 Kelvin Cross Sections

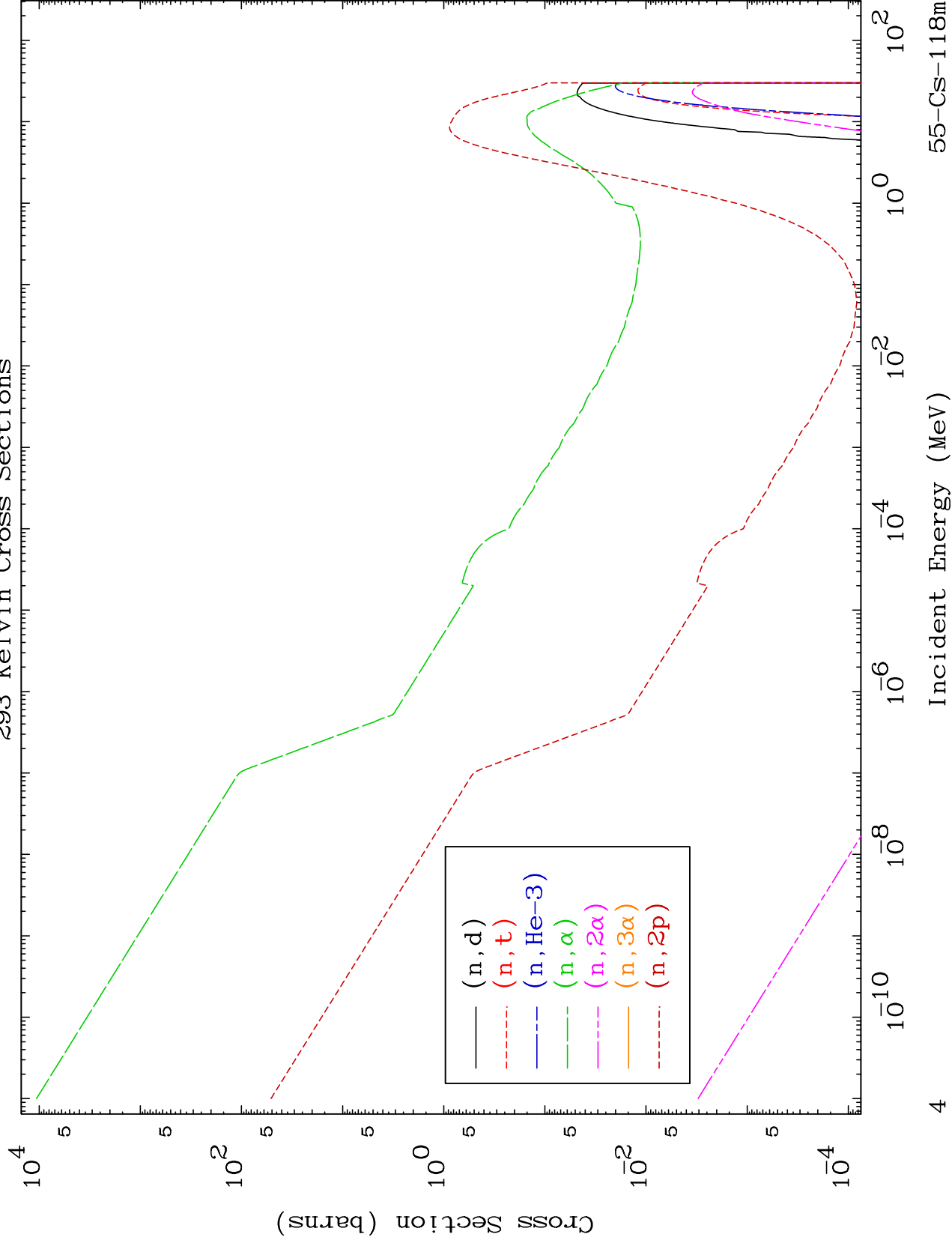
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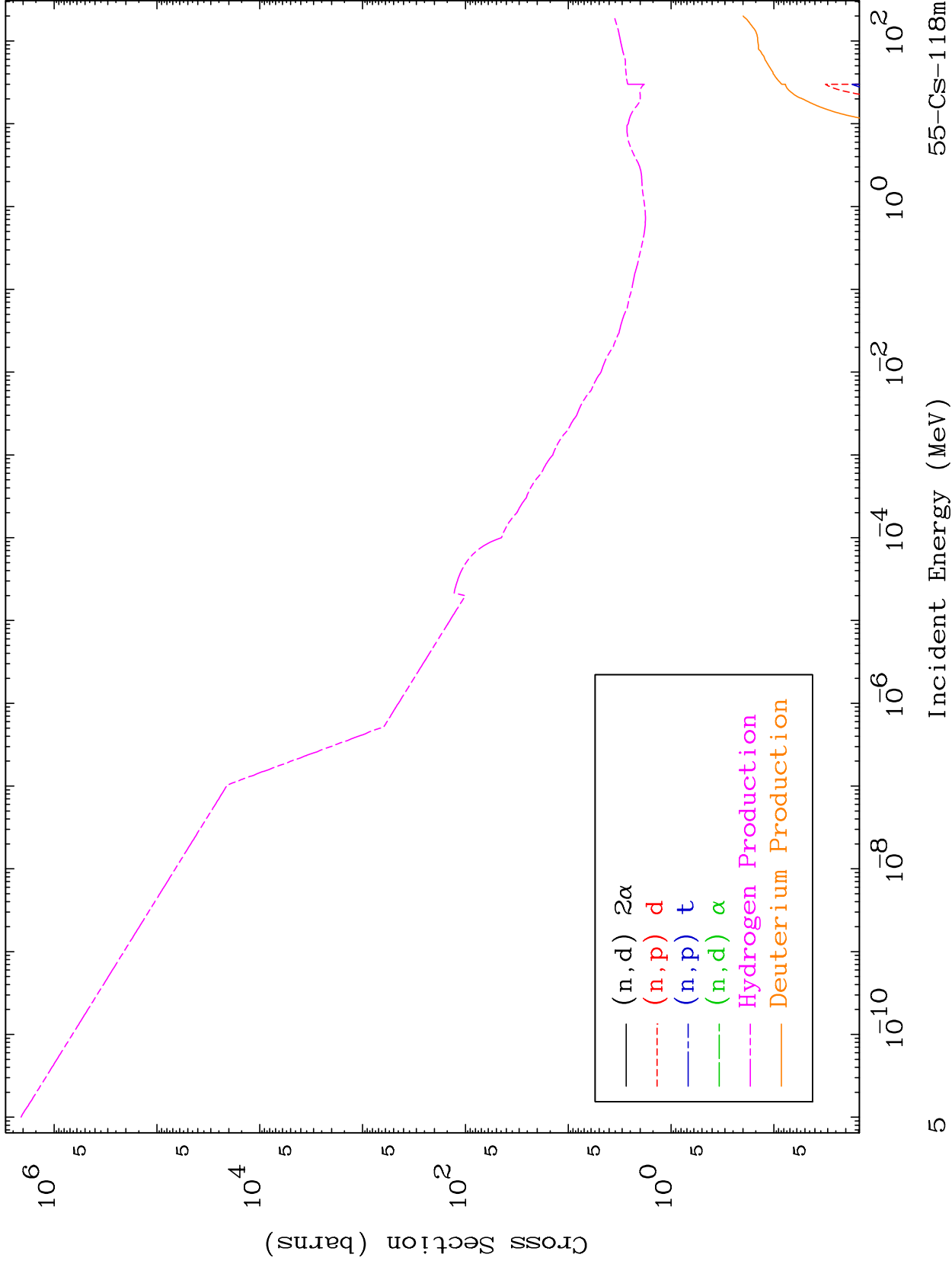


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Neutron Absorption  
293 Kelvin Cross Sections

55-Cs-118m

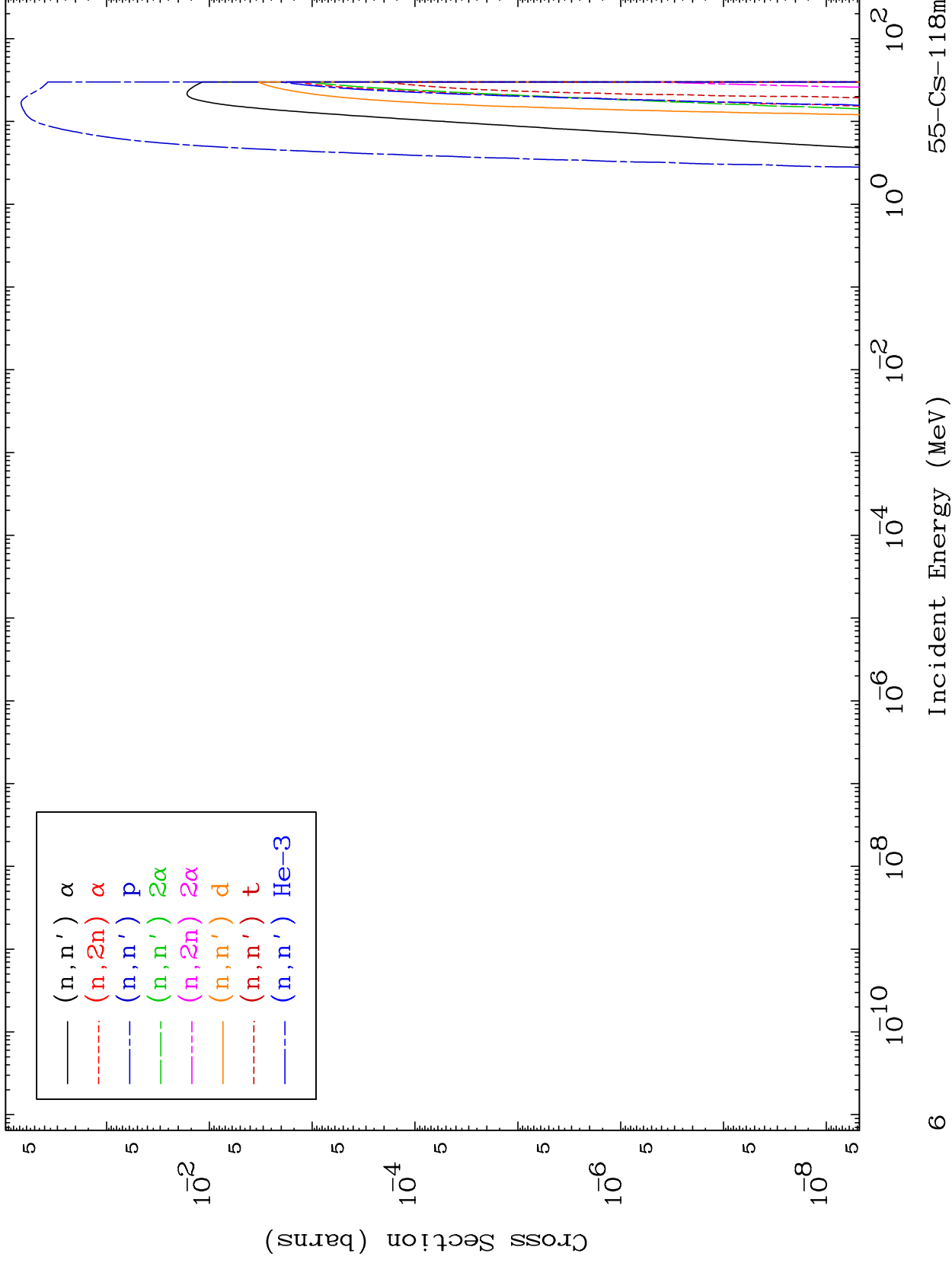




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Charged Particle  
293 Kelvin Cross Sections

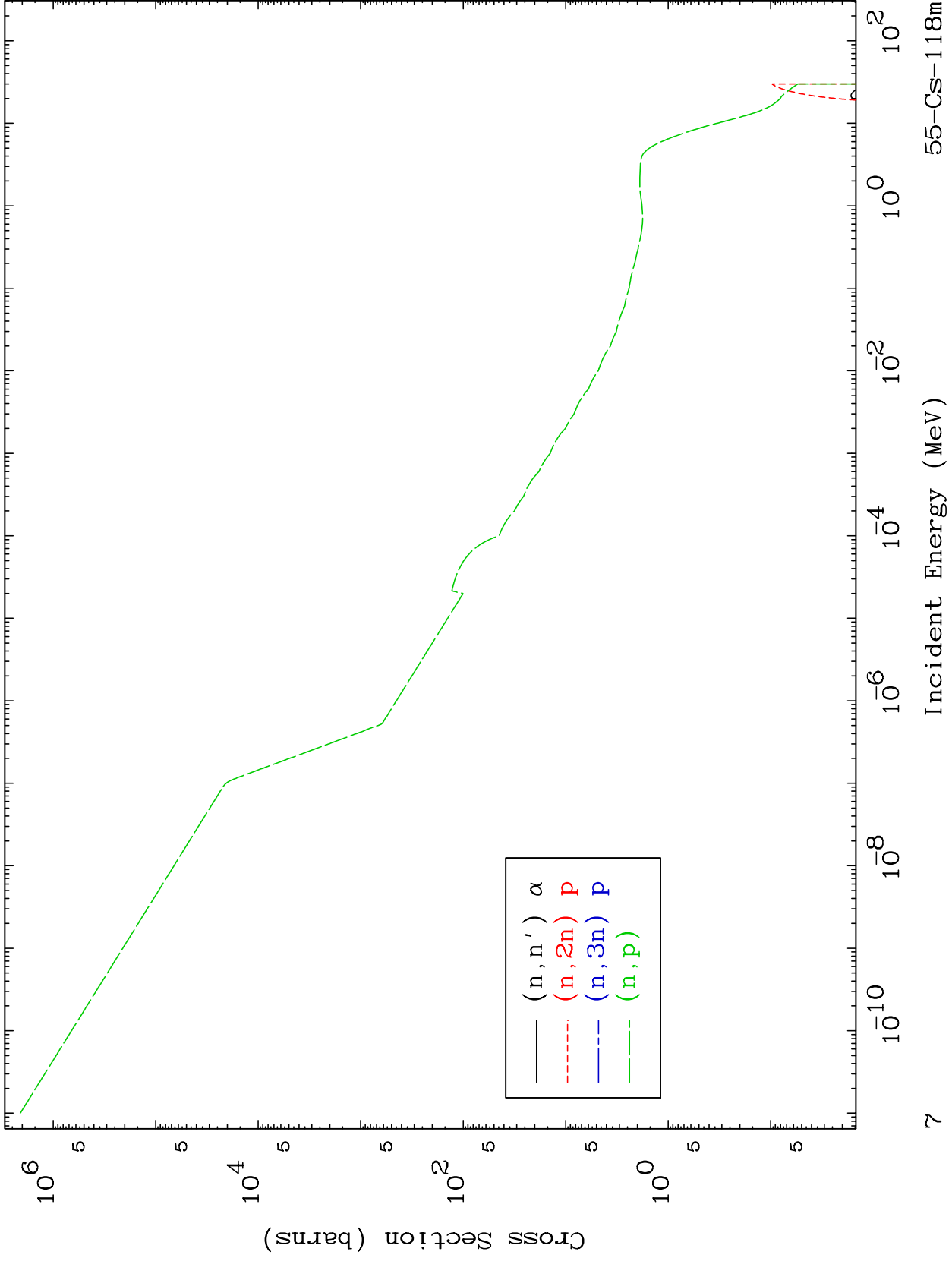
55-Cs-118m



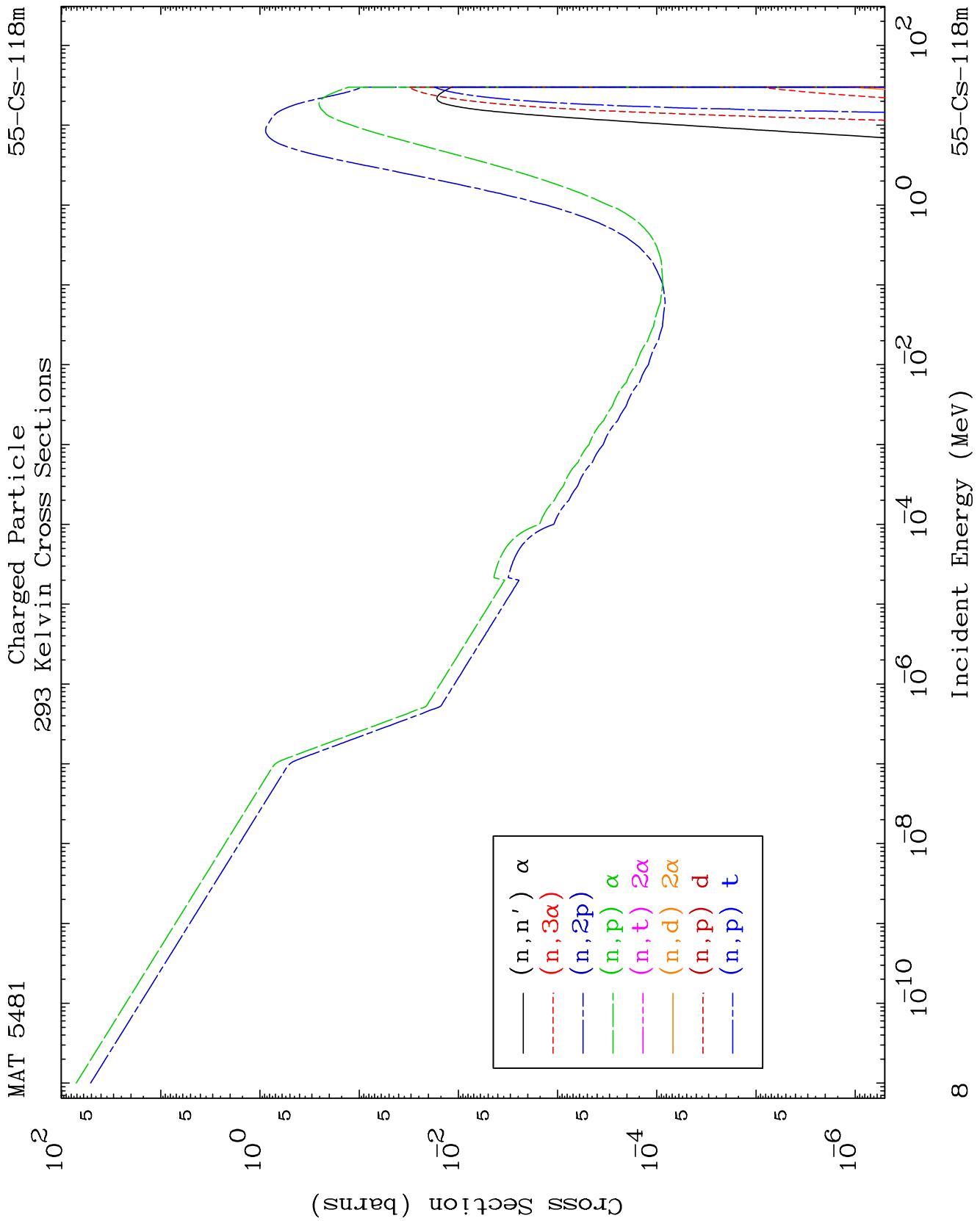
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Charged Particle  
293 Kelvin Cross Sections

55-Cs-118m



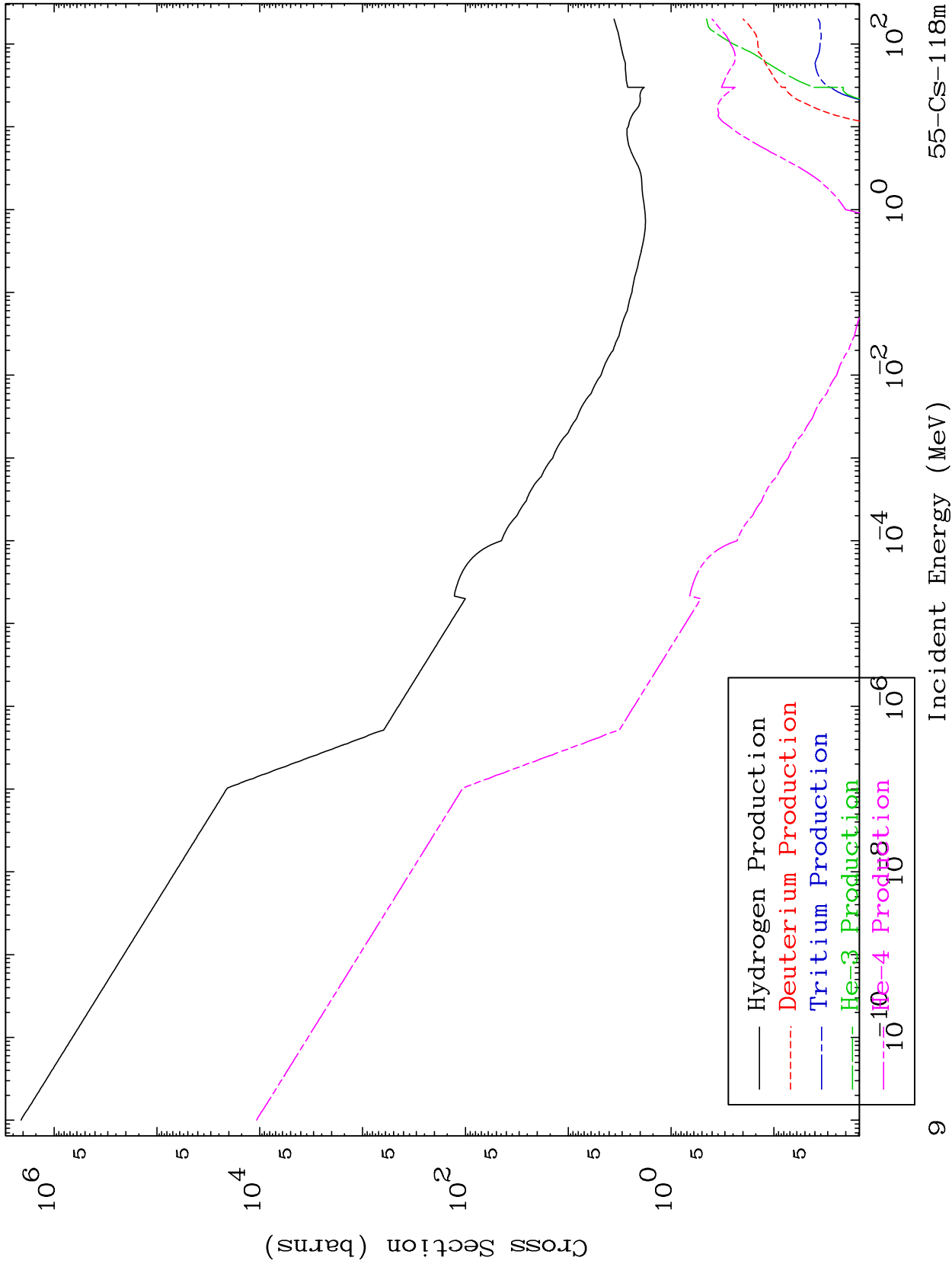




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Particle Production  
293 Kelvin Cross Sections

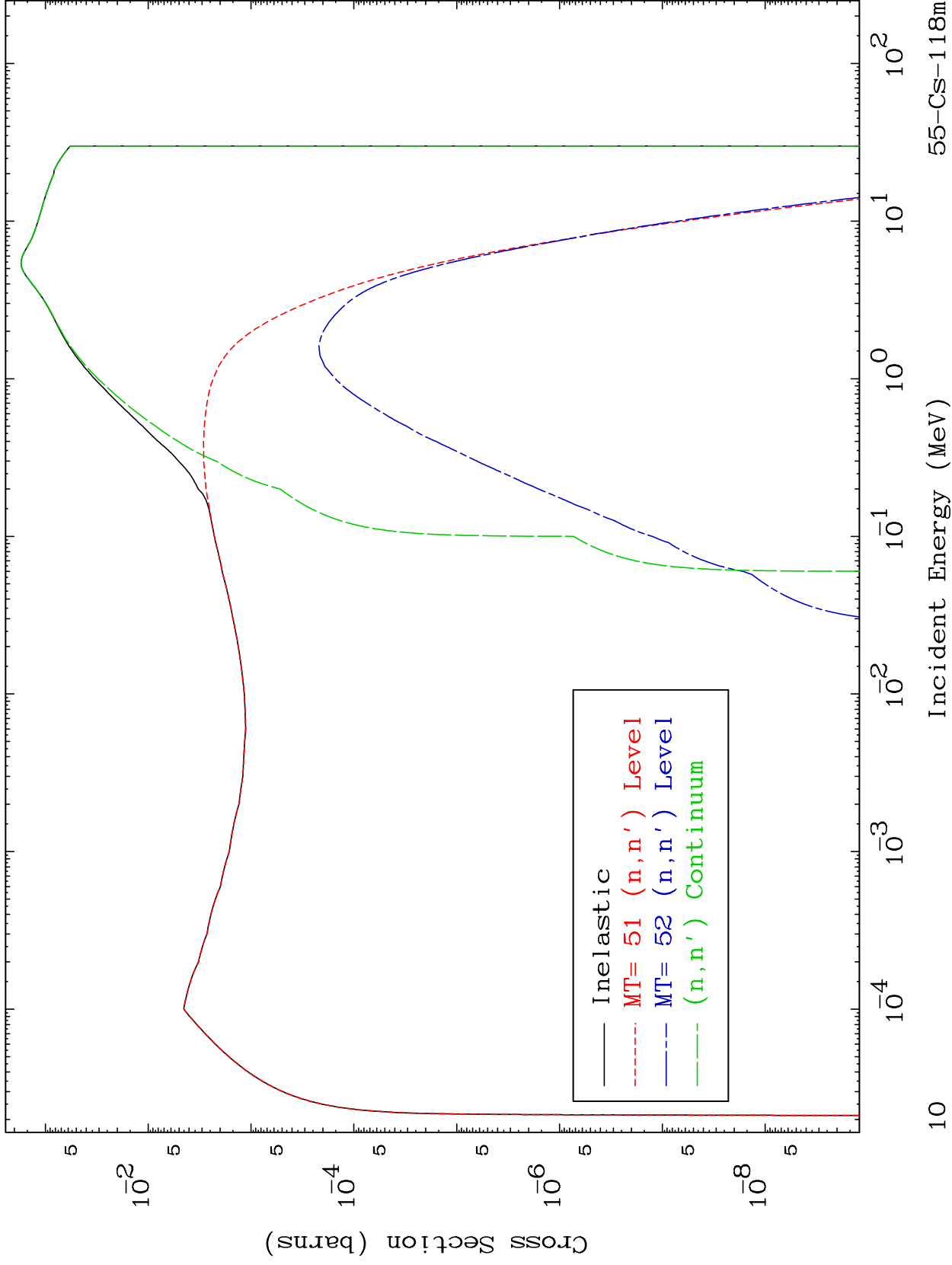
55-Cs-118m



MAT 5481

(n,n') Levels  
293 Kelvin Cross Sections

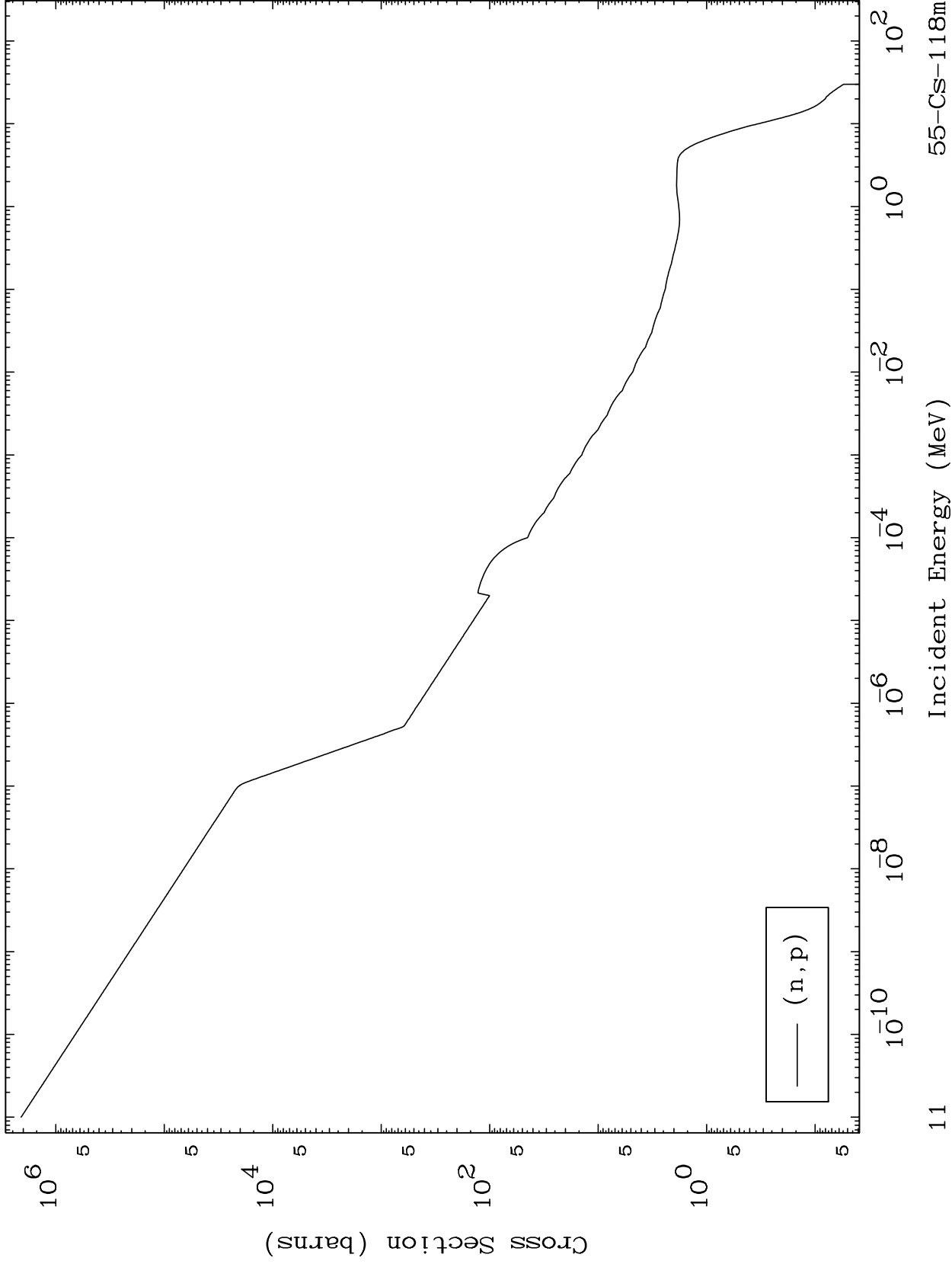
55-Cs-118m



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(n,p) Levels  
293 Kelvin Cross Sections

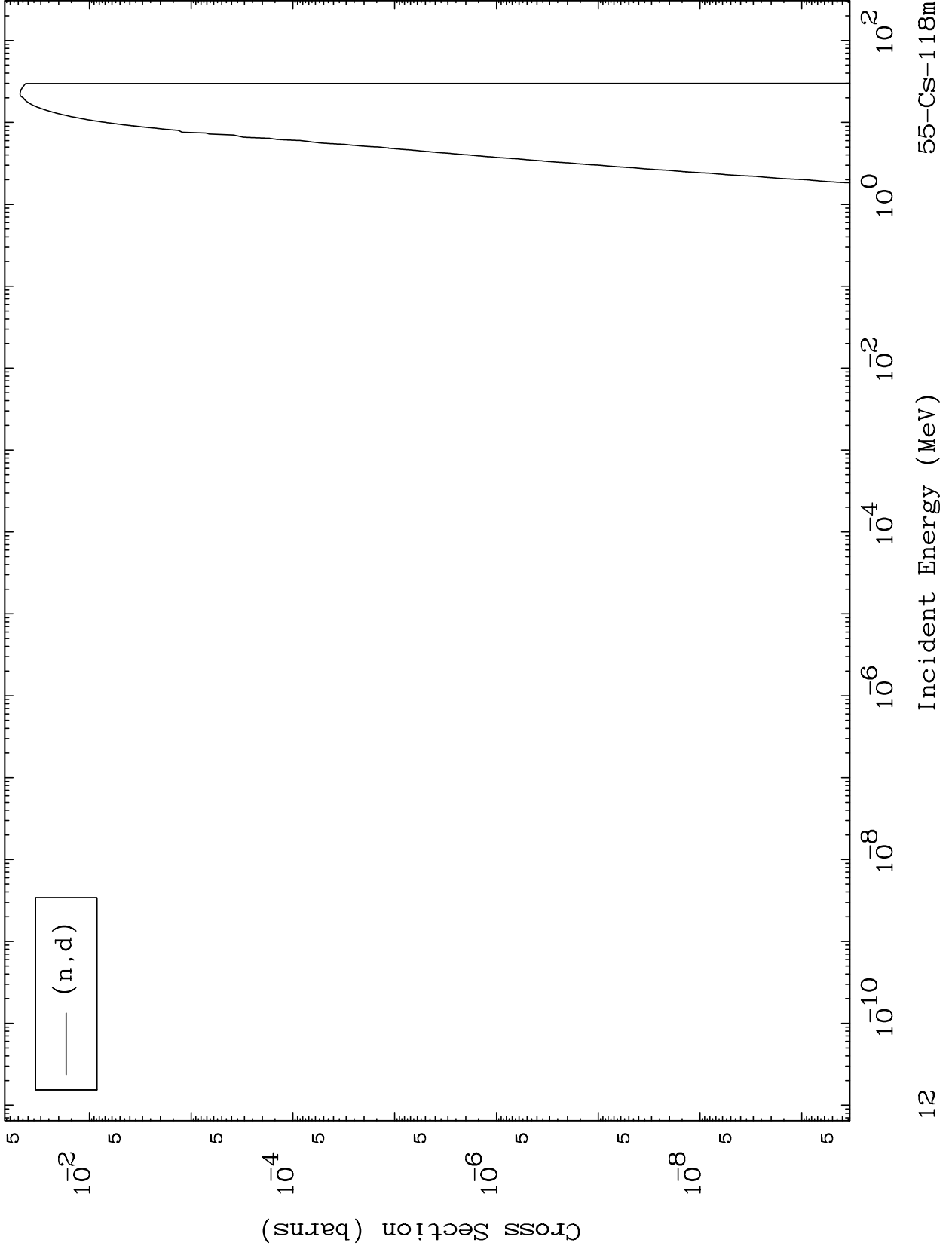
55-Cs-118m



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(n,d) Levels  
293 Kelvin Cross Sections

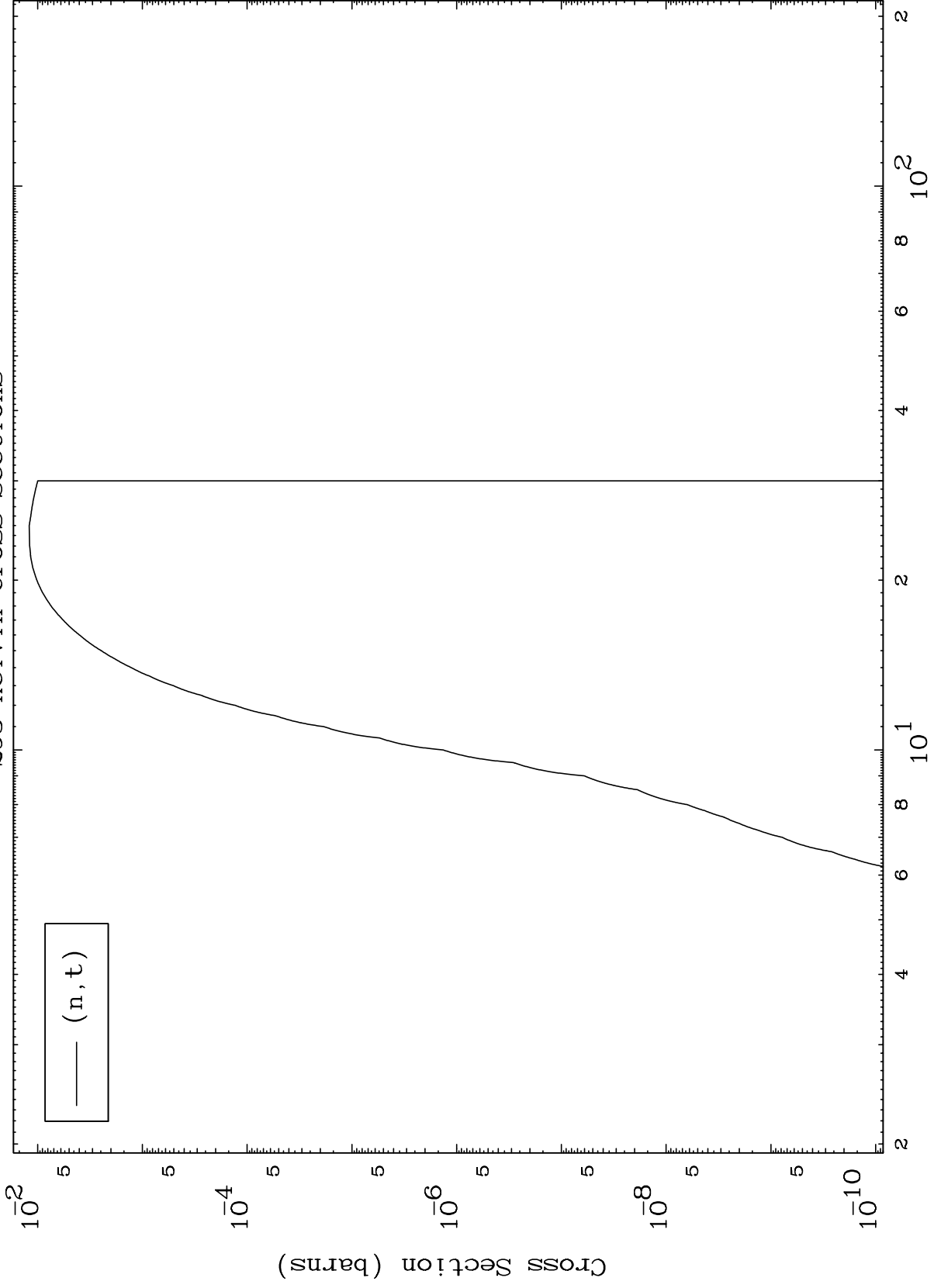
55-Cs-118m



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(n,t) Levels  
293 Kelvin Cross Sections

55-Cs-118m



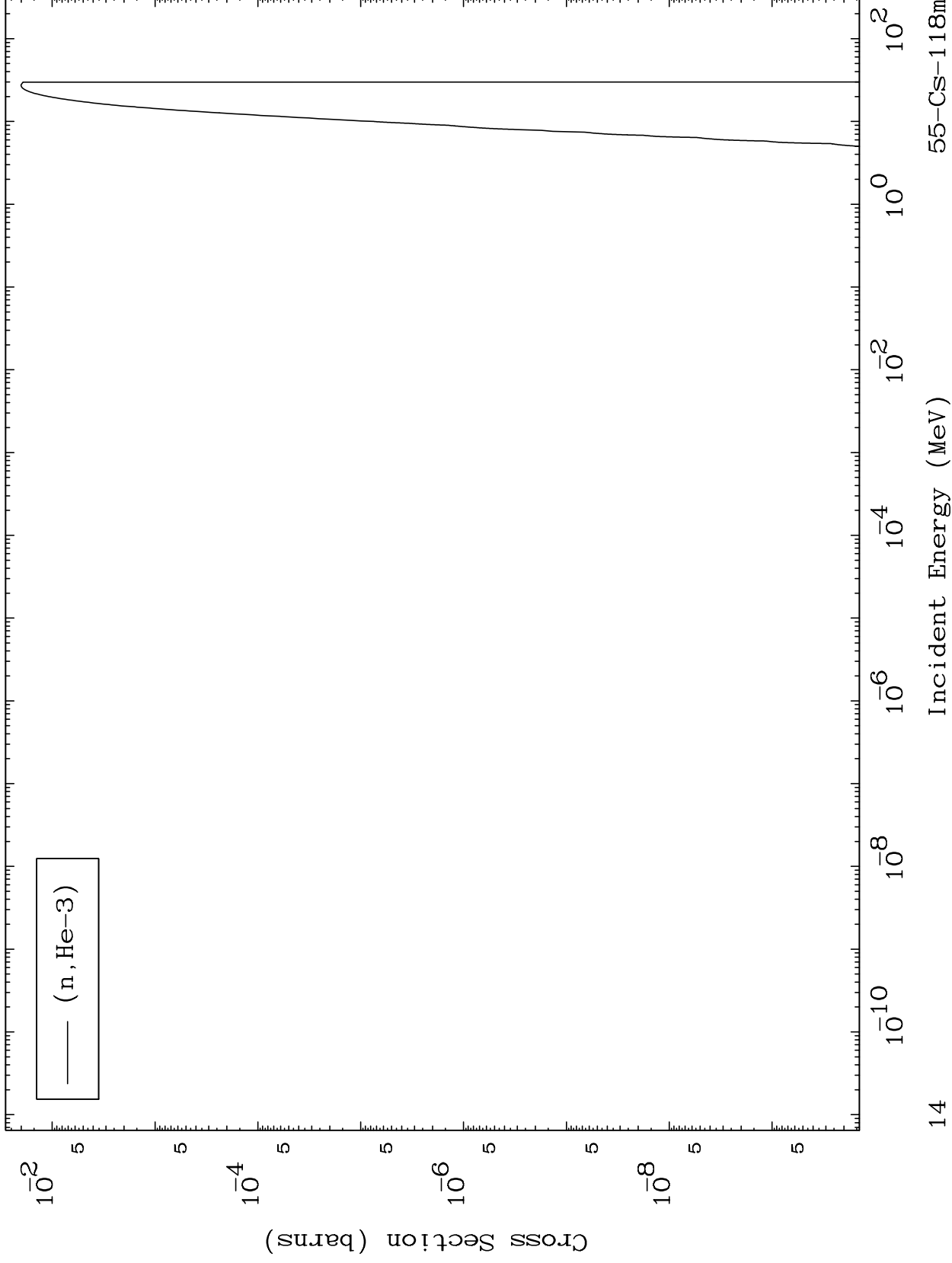
13

55-Cs-118m

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(n,He3) Levels  
293 Kelvin Cross Sections

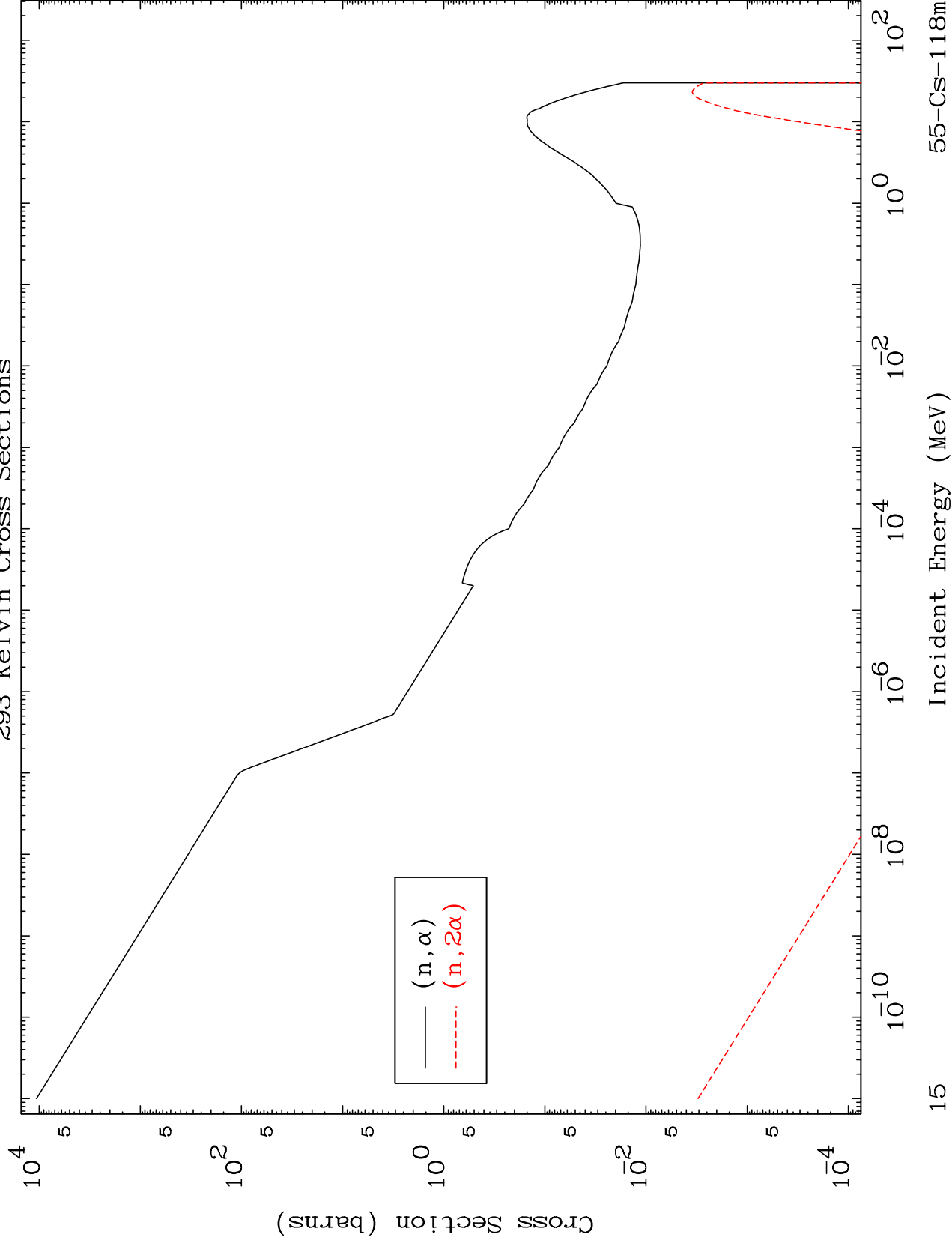
55-Cs-118m



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(n,α) Levels  
293 Kelvin Cross Sections

55-Cs-118m

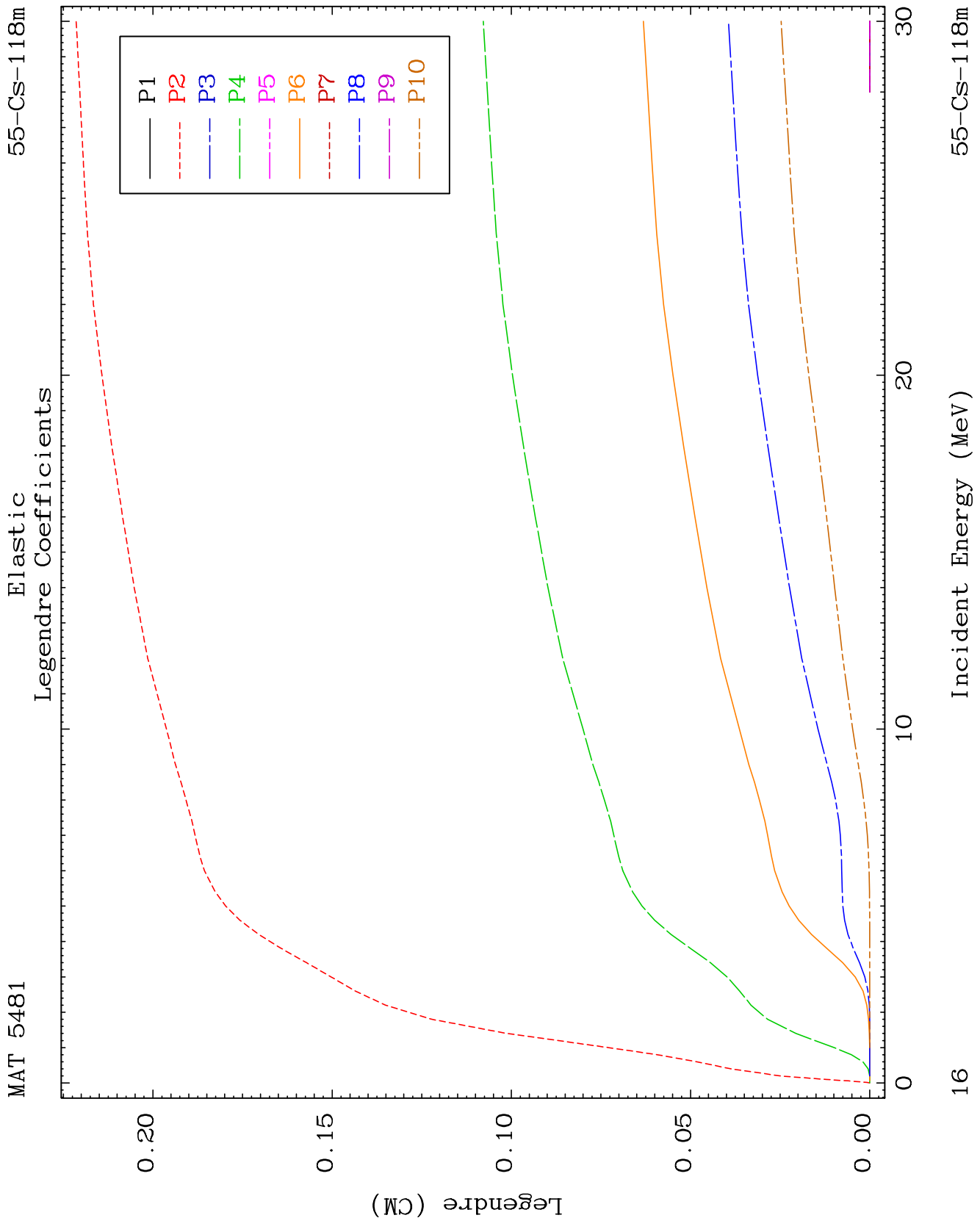


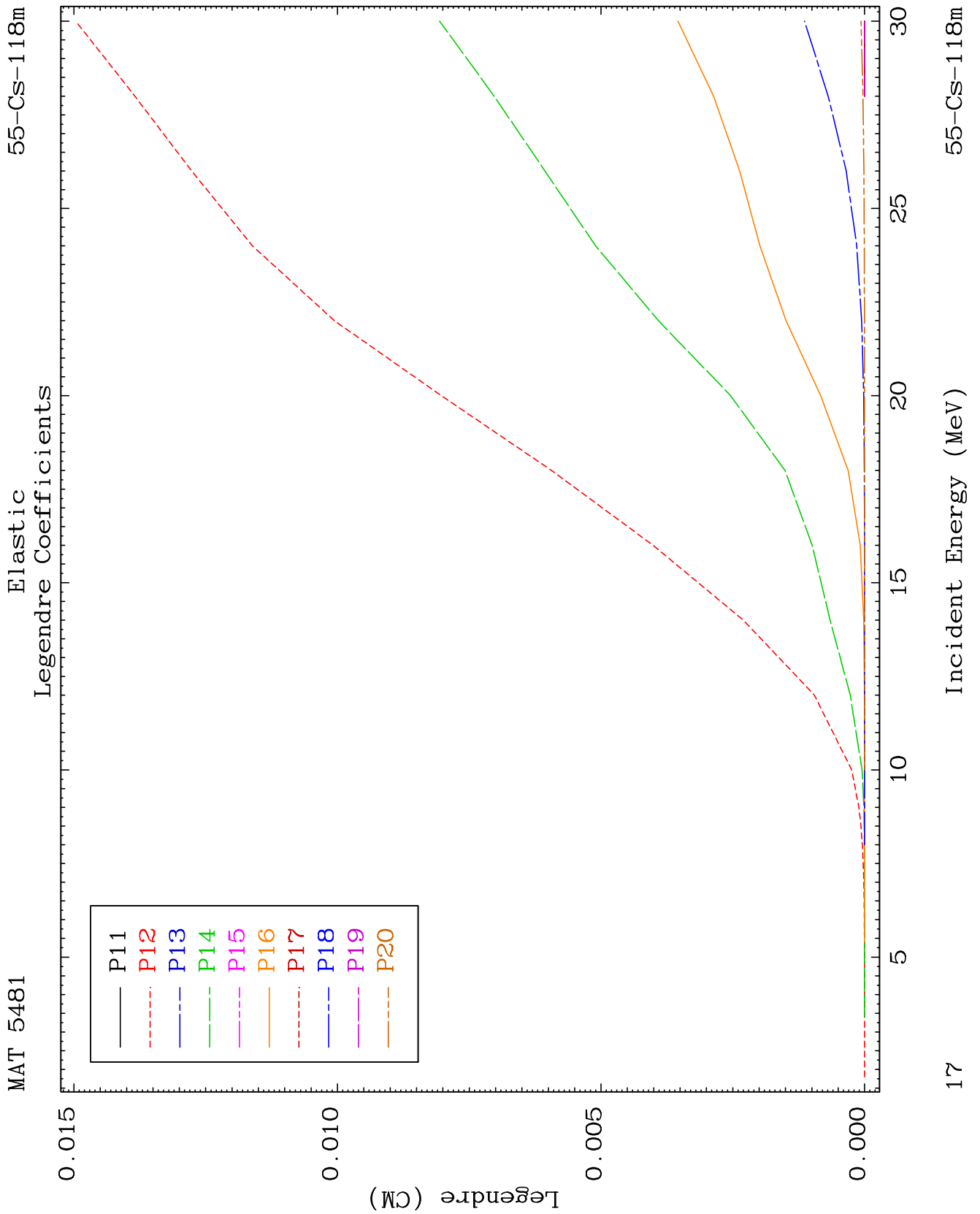
15

Incident Energy (MeV)

55-Cs-118m



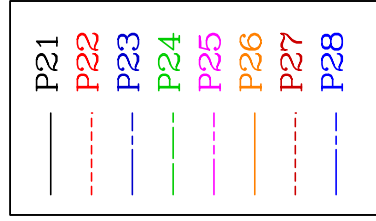




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Elastic  
Legendre Coefficients

55-Cs-118m



$\times 10^{-6}$

Legendre (CM)

3

2

1

0

15

20

25

30

18

Incident Energy (MeV)

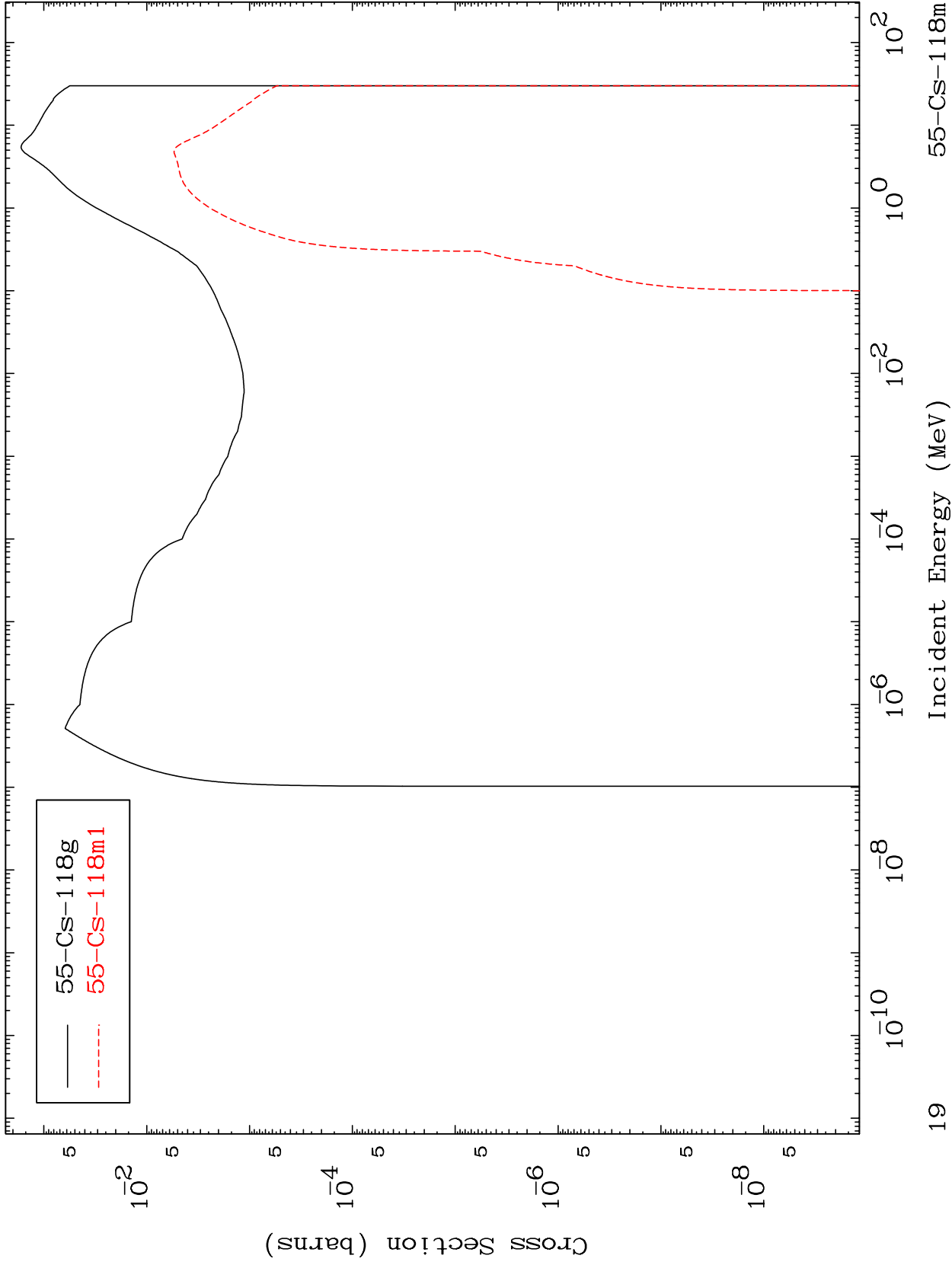
55-Cs-118m



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55-Cs-118m

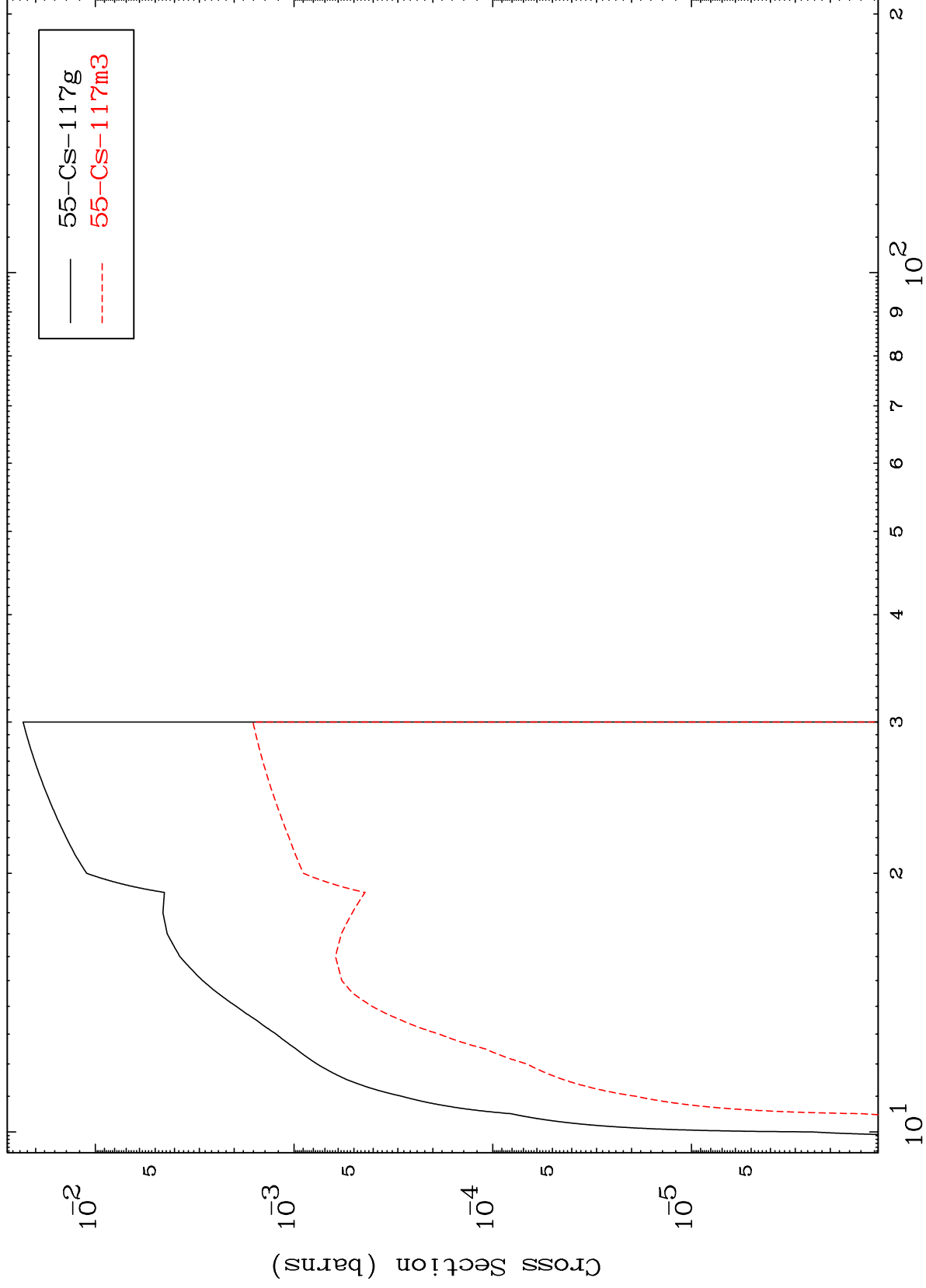
Inelastic  
Radionuclide Production Cross Section



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55-Cs-118m

(n,2n)  
Radionuclide Production Cross Section



55-Cs-118m

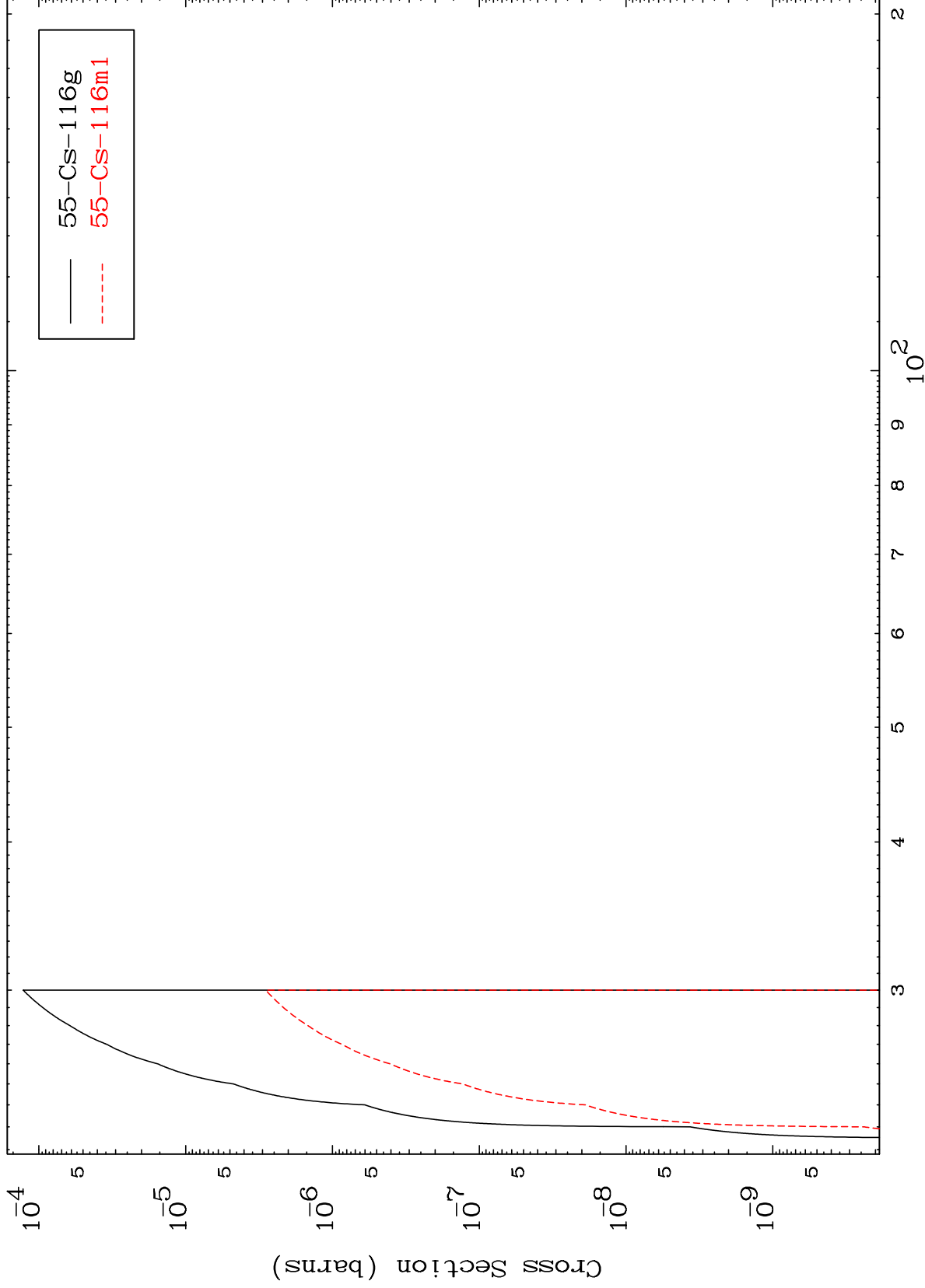
Incident Energy (MeV)

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(n,3n)

55-Cs-118m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

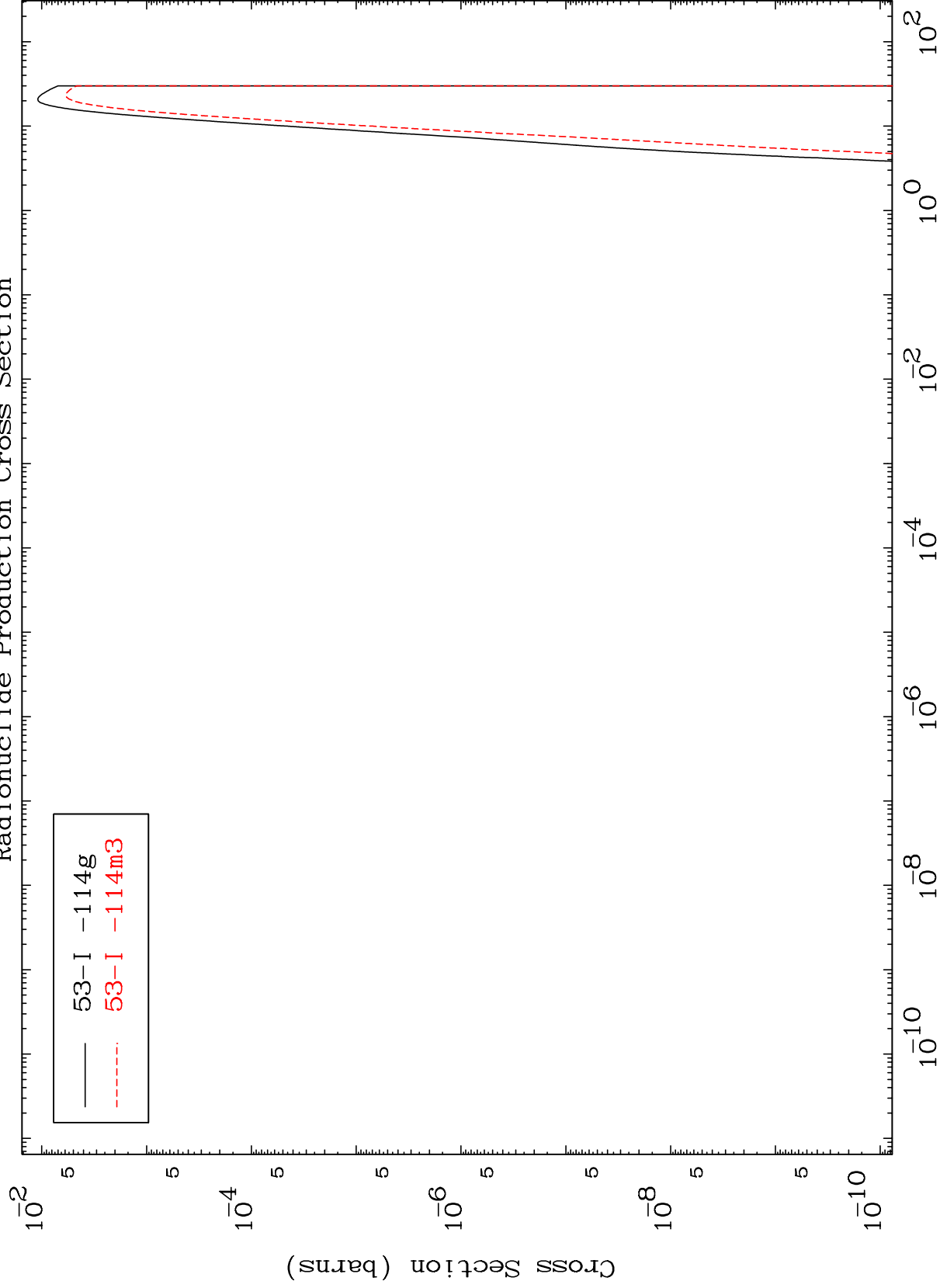
55-Cs-118m

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(n,n')  $\alpha$

55-Cs-118m

Radionuclide Production Cross Section

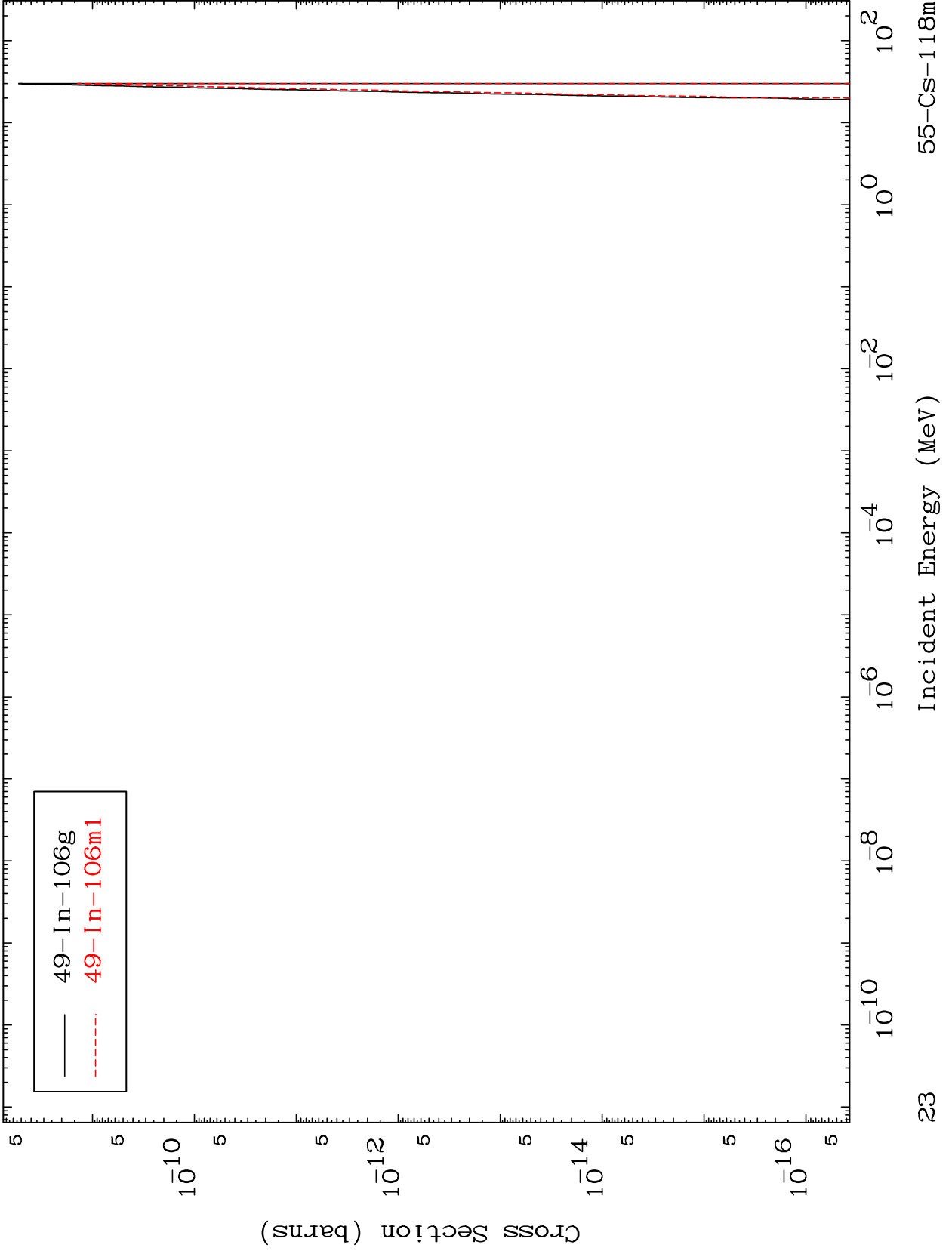


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(n,n') 3 $\alpha$

55-Cs-118m

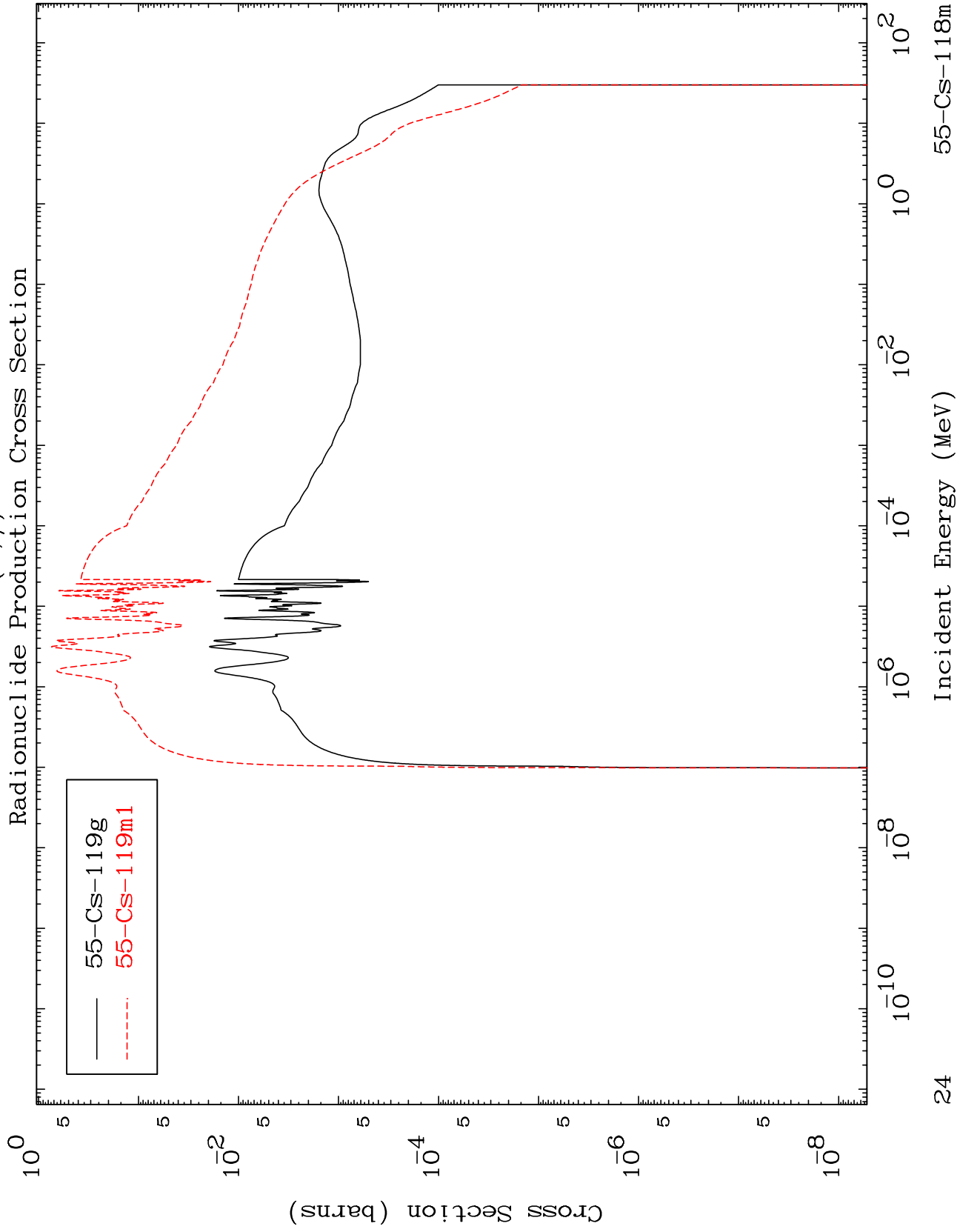
Radionuclide Production Cross Section





MAT 5481

55-Cs-118m

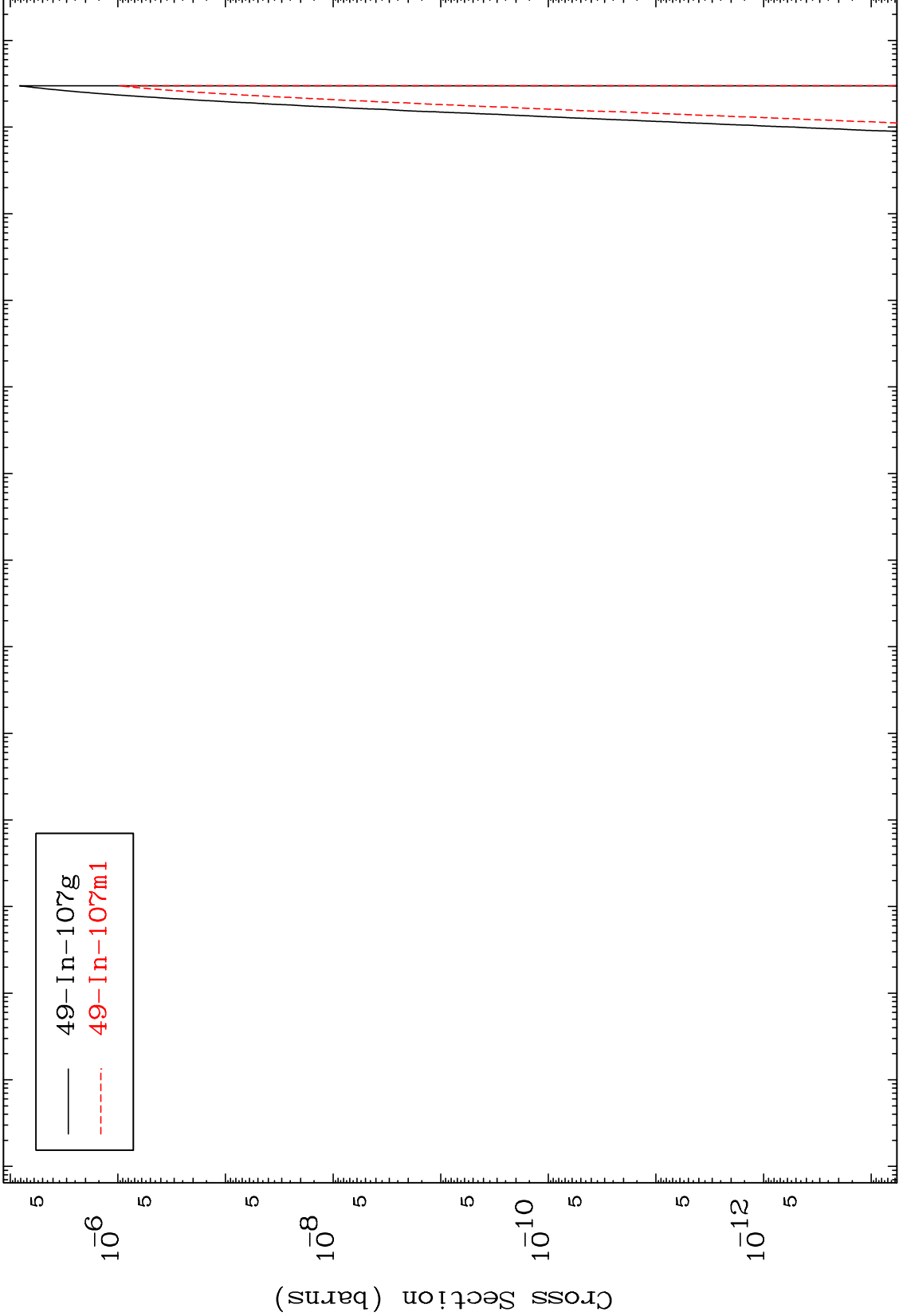
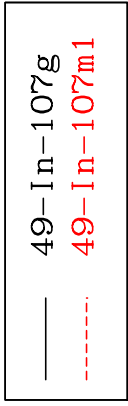


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(n, 3α)

55-Cs-118m

Radionuclide Production Cross Section



55-Cs-118m

10<sup>0</sup>

10<sup>-2</sup>

10<sup>-4</sup>

10<sup>-6</sup>

10<sup>-8</sup>

10<sup>-10</sup>

10<sup>-12</sup>

5

Incident Energy (MeV)

55-Cs-118m

25