

Program EVALPLOT  
(Version 2018-1)

by

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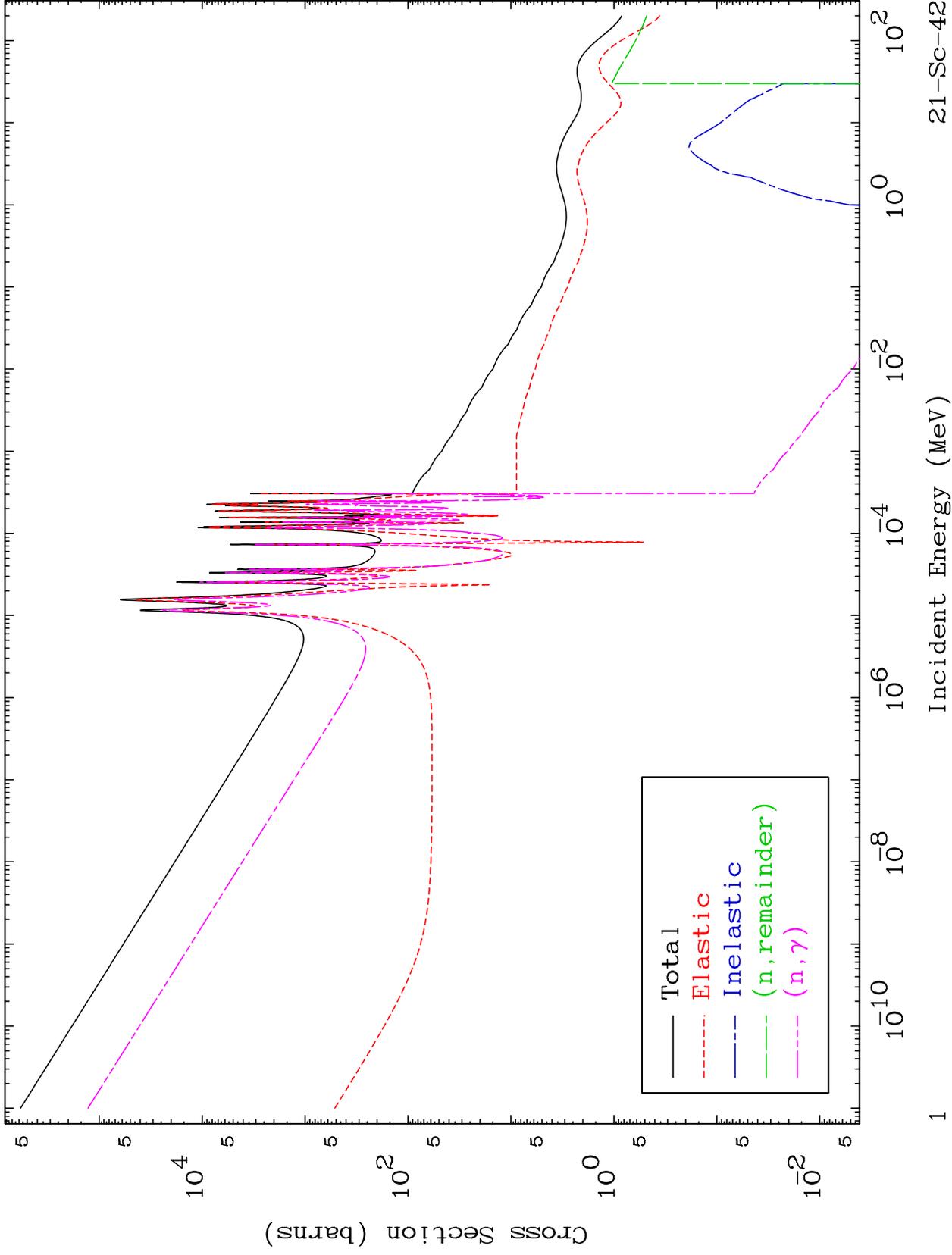
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Press Mouse Button to Start

MAT 2117

Major  
293 Kelvin Cross Sections

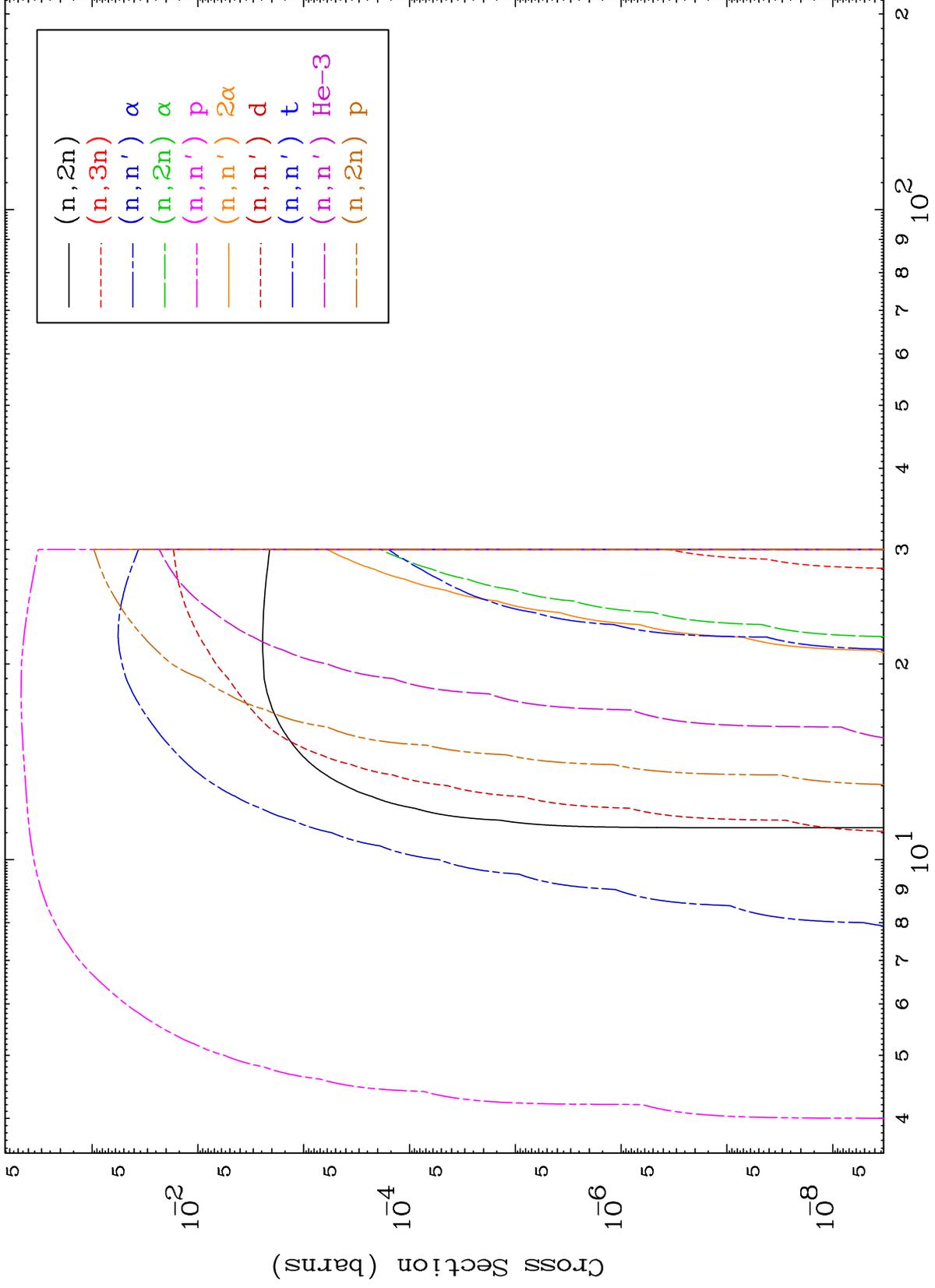
21-Sc-42



MAT 2117

Neutron Production  
293 Kelvin Cross Sections

21-Sc-42



2

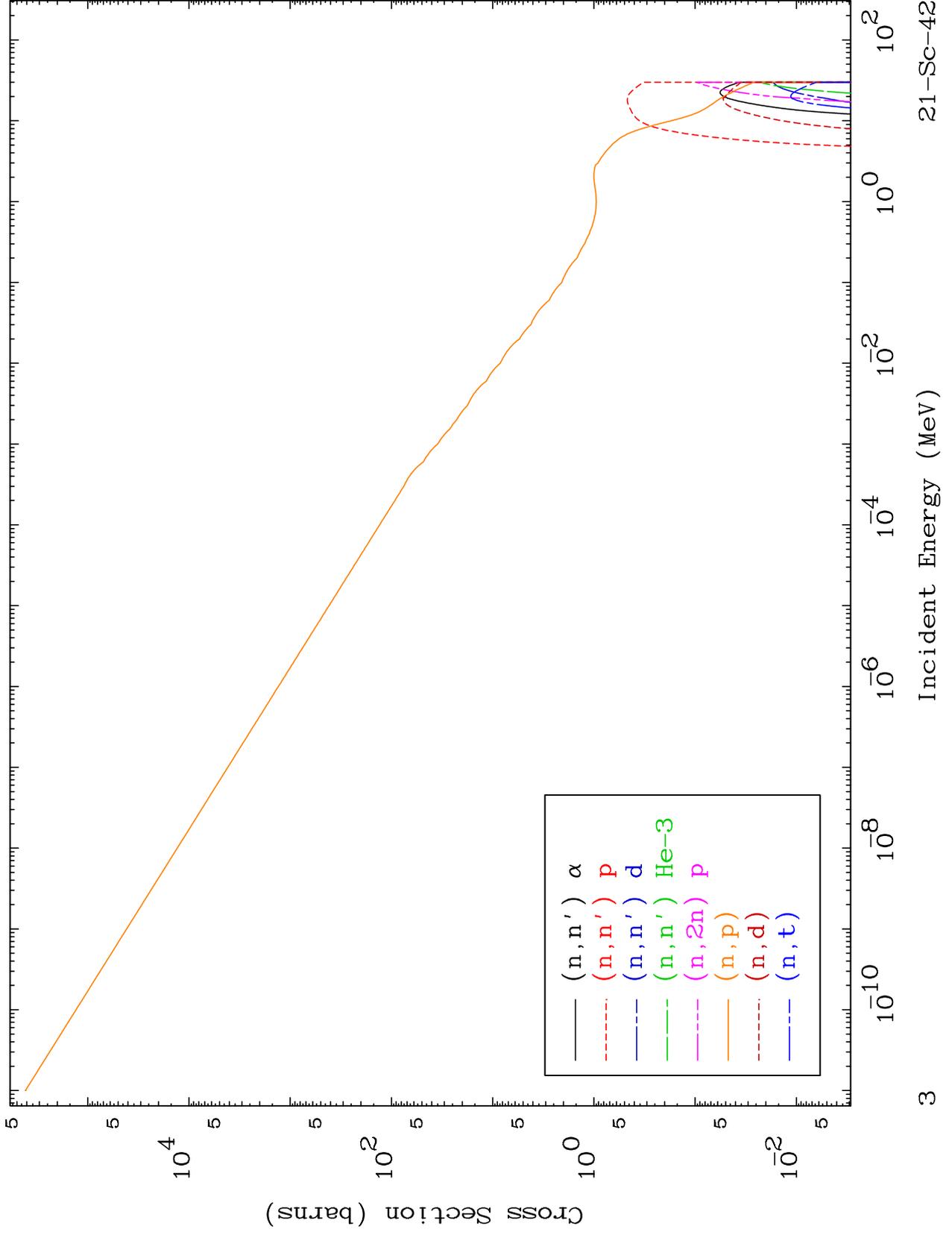
Incident Energy (MeV)

21-Sc-42

MAT 2117

Charged Particle  
293 Kelvin Cross Sections

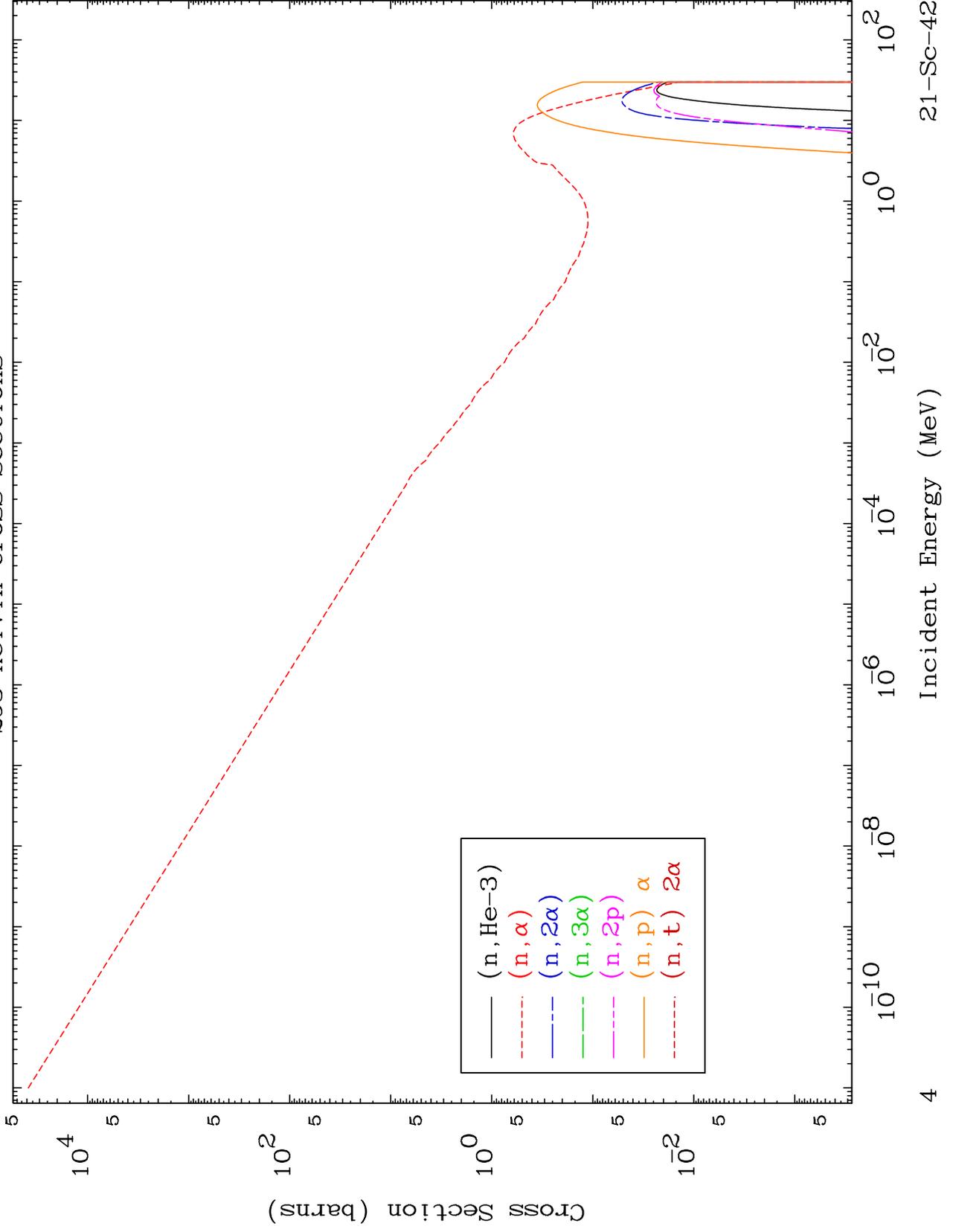
21-Sc-42



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Charged Particle  
293 Kelvin Cross Sections

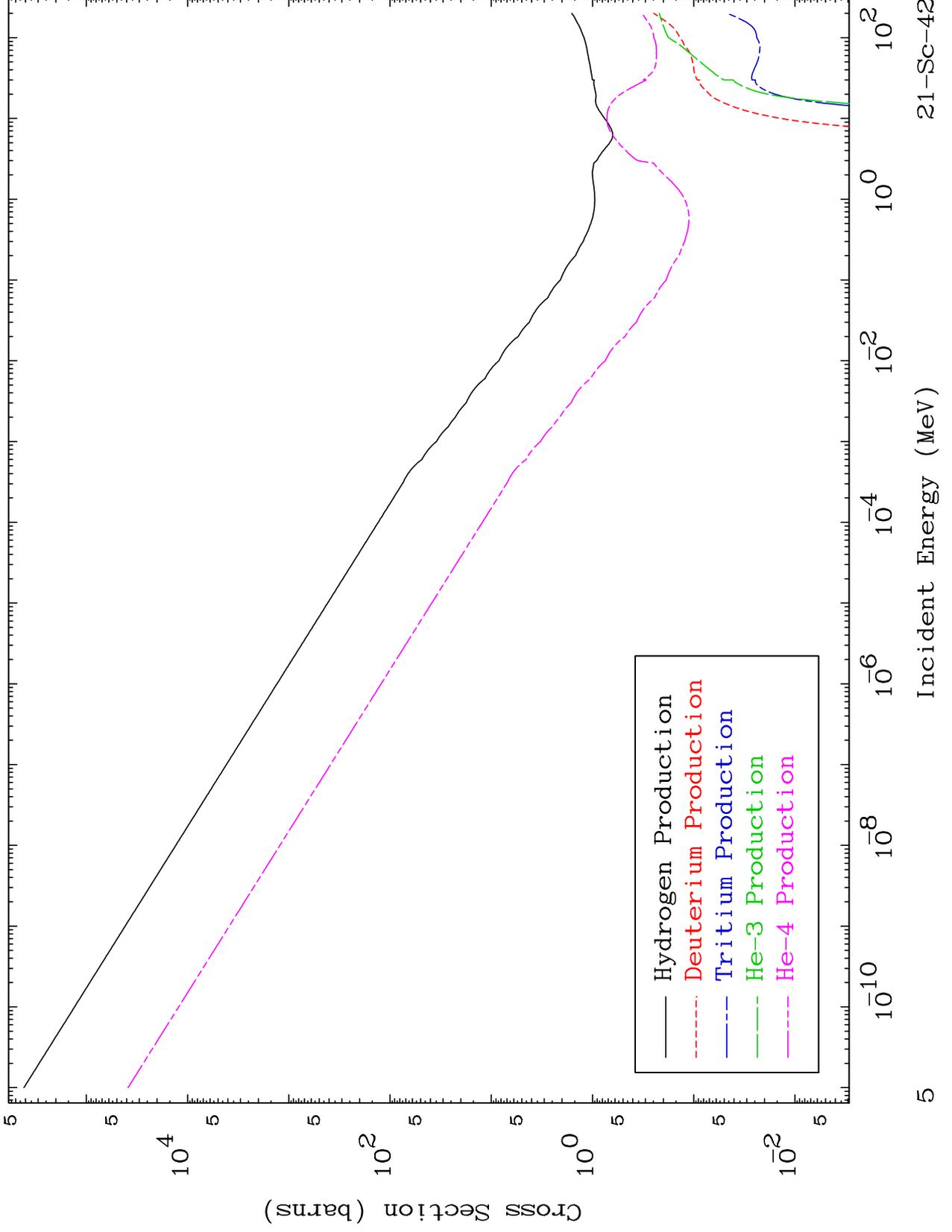
21-Sc-42



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Particle Production  
293 Kelvin Cross Sections

21-Sc-42

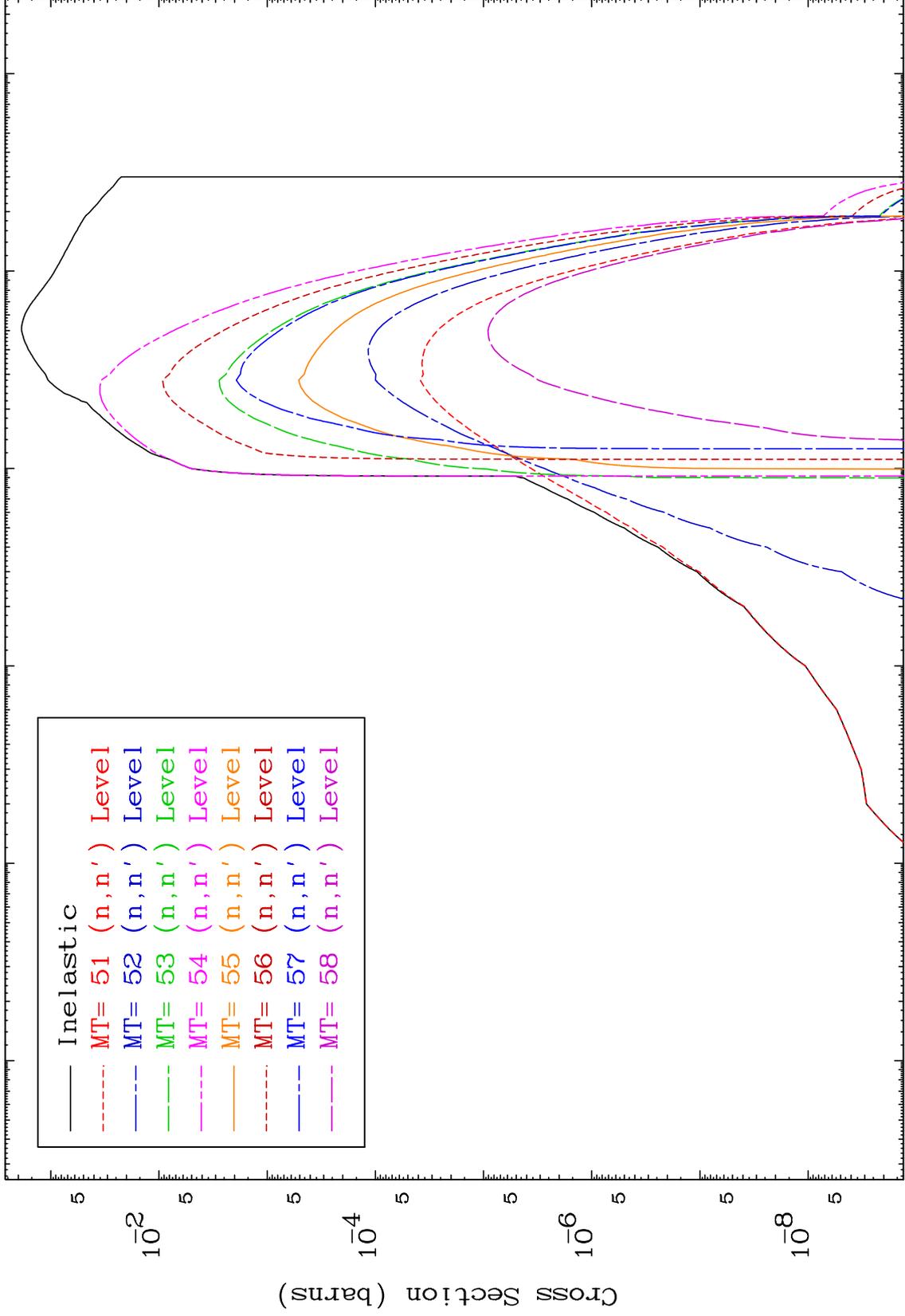


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(n,n') Level

21-Sc-42

293 Kelvin Cross Sections



5 10<sup>2</sup>

5 10<sup>1</sup>

5 10<sup>0</sup>

5 10<sup>-1</sup>

5 10<sup>-2</sup>

5 10<sup>-3</sup>

5 10<sup>-4</sup>

5 10<sup>-5</sup>

5 10<sup>-6</sup>

5 10<sup>-7</sup>

5 10<sup>-8</sup>

5 10<sup>-9</sup>

5 10<sup>-10</sup>

5 10<sup>-11</sup>

5 10<sup>-12</sup>

21-Sc-42

Incident Energy (MeV)

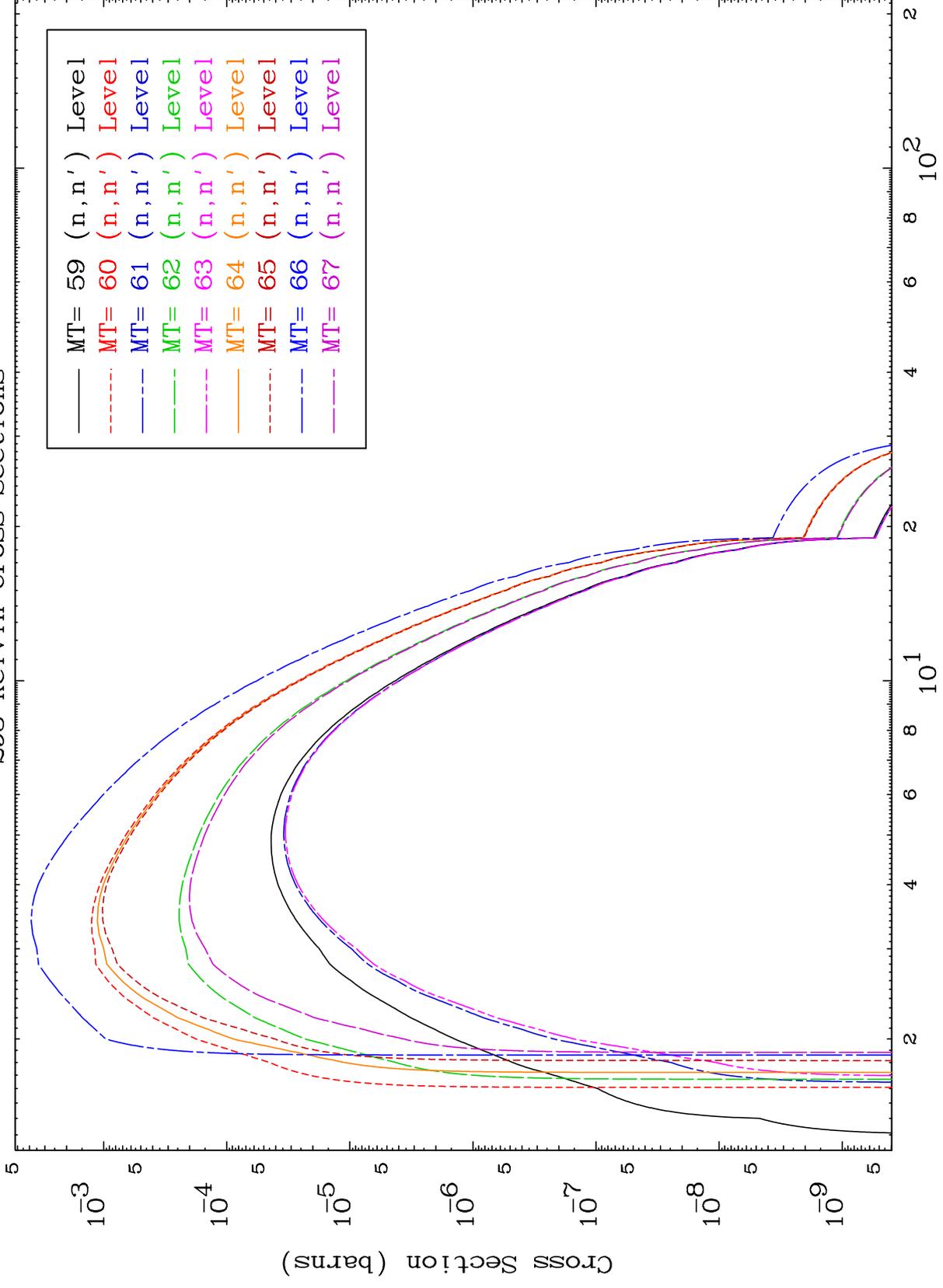
6

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(n,n') Level

21-Sc-42

293 Kelvin Cross Sections



7

Incident Energy (MeV)

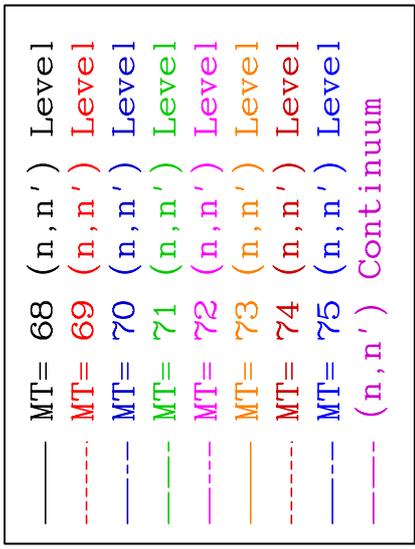
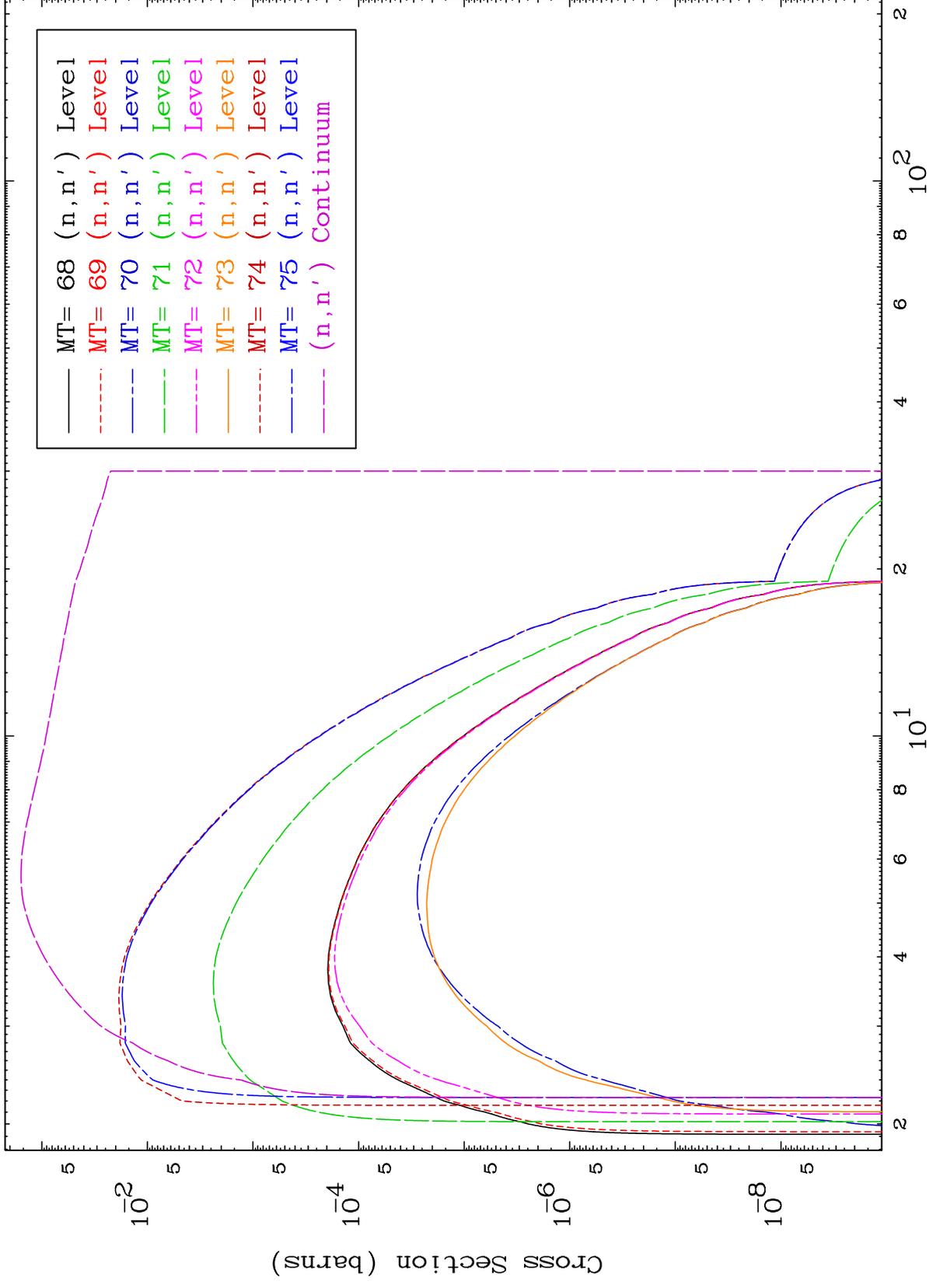
21-Sc-42

MAT 2117

(n,n') Level

293 Kelvin Cross Sections

21-Sc-42



8

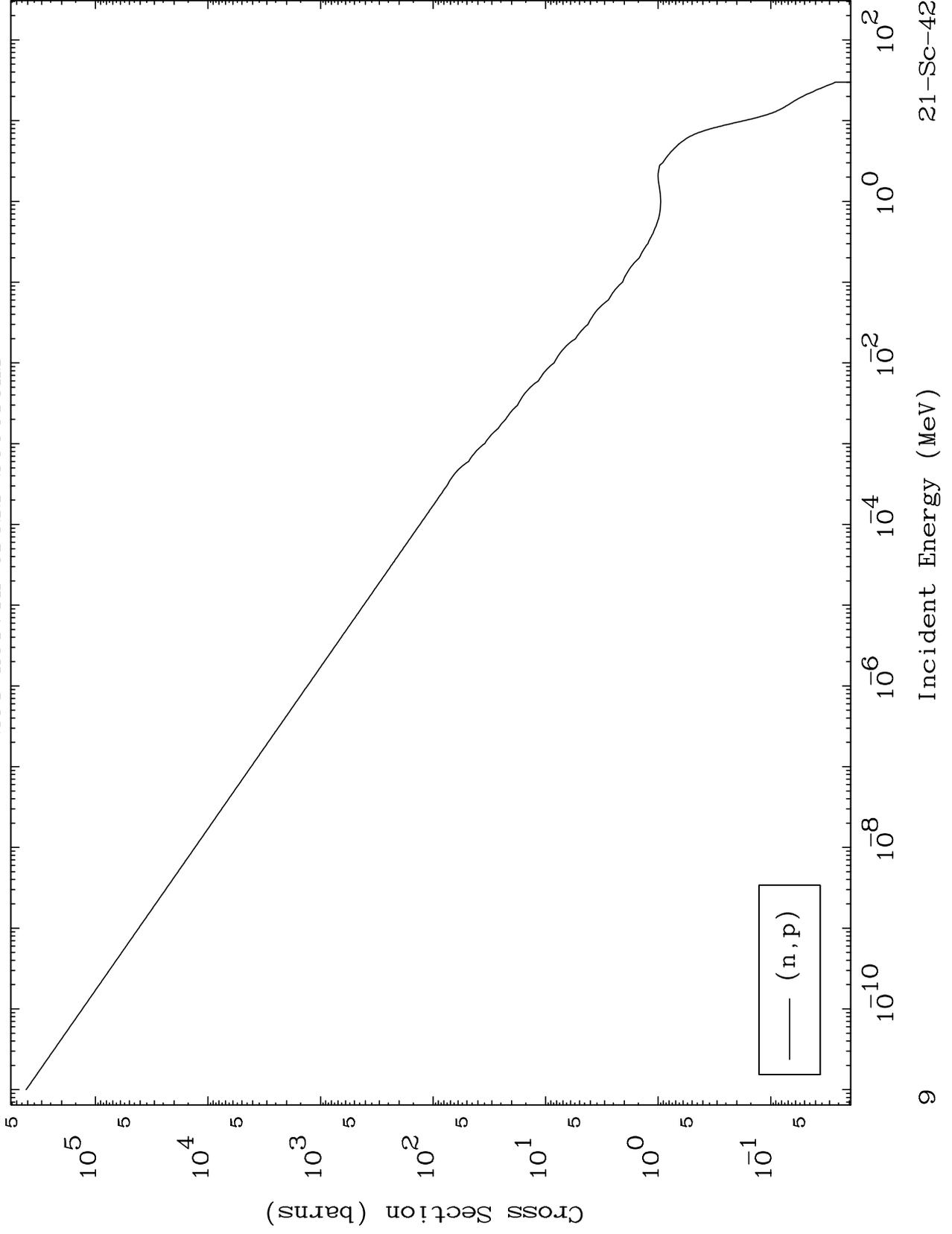
Incident Energy (MeV)

21-Sc-42

MAT 2117

(n,p) Levels  
293 Kelvin Cross Sections

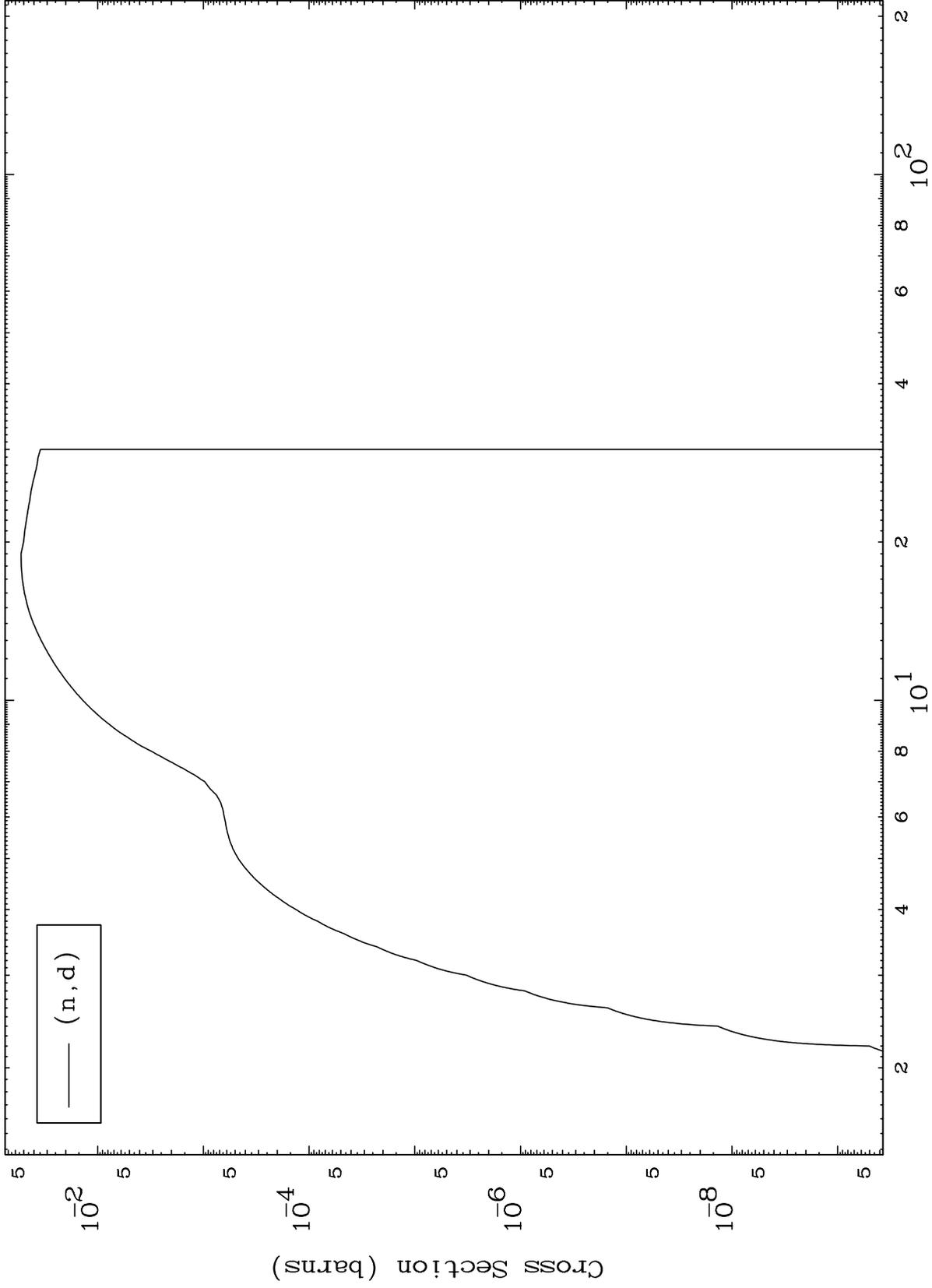
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MAT 2117

(n,d) Levels  
293 Kelvin Cross Sections

21-Sc-42



10

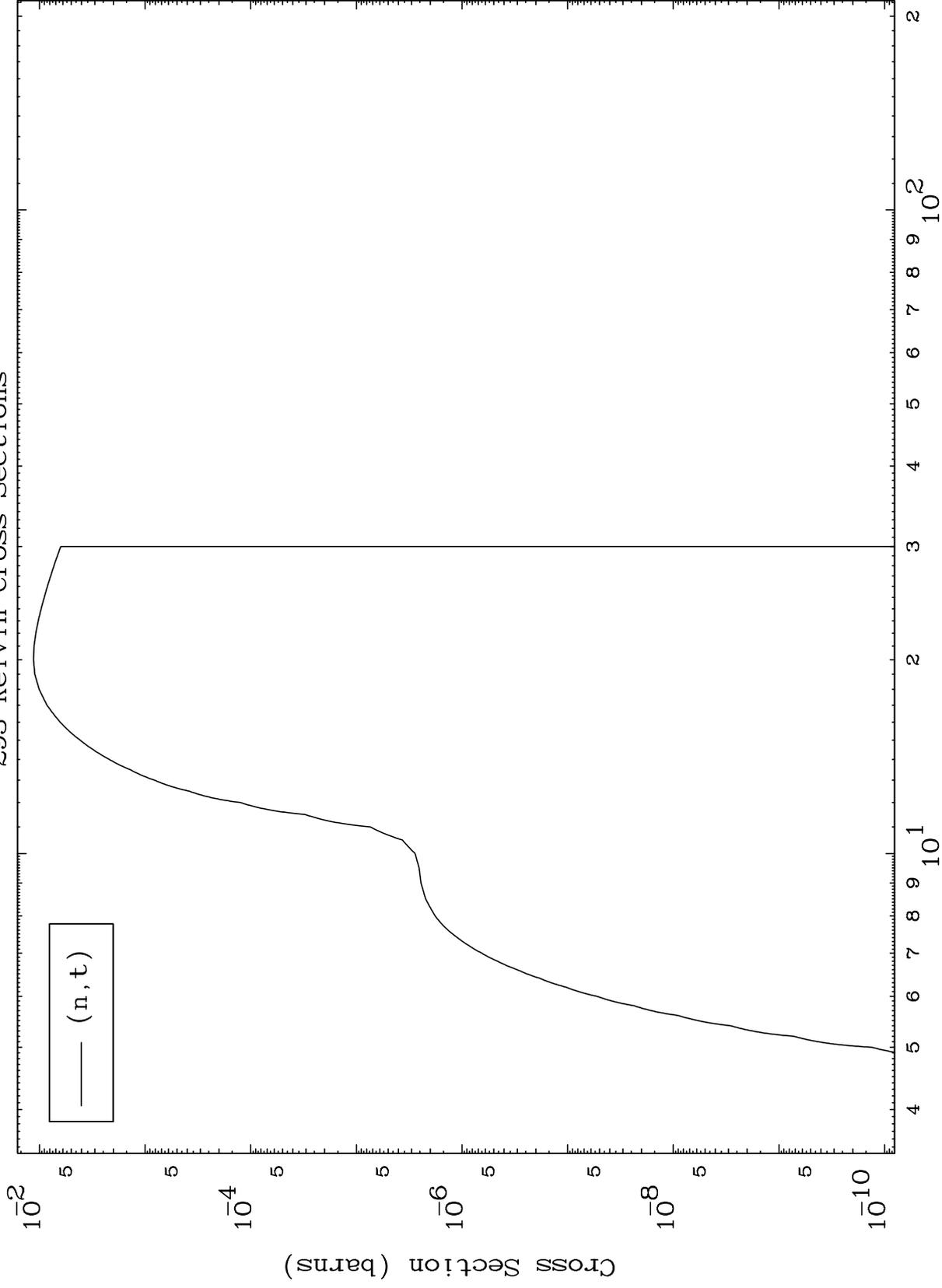
Incident Energy (MeV)

21-Sc-42

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(n,t) Levels  
293 Kelvin Cross Sections

21-Sc-42



11

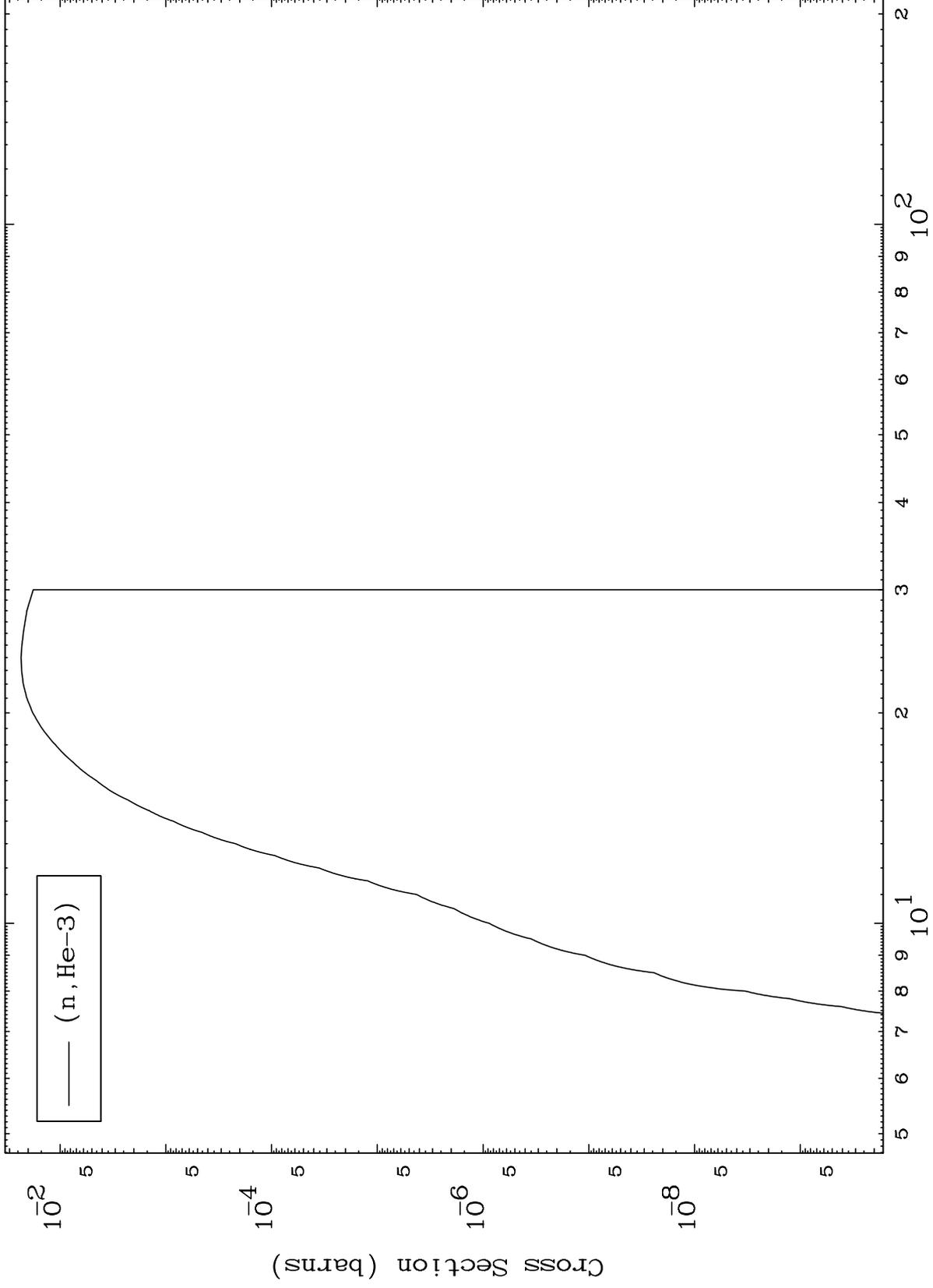
Incident Energy (MeV)

21-Sc-42

MAT 2117

(n,He3) Levels  
293 Kelvin Cross Sections

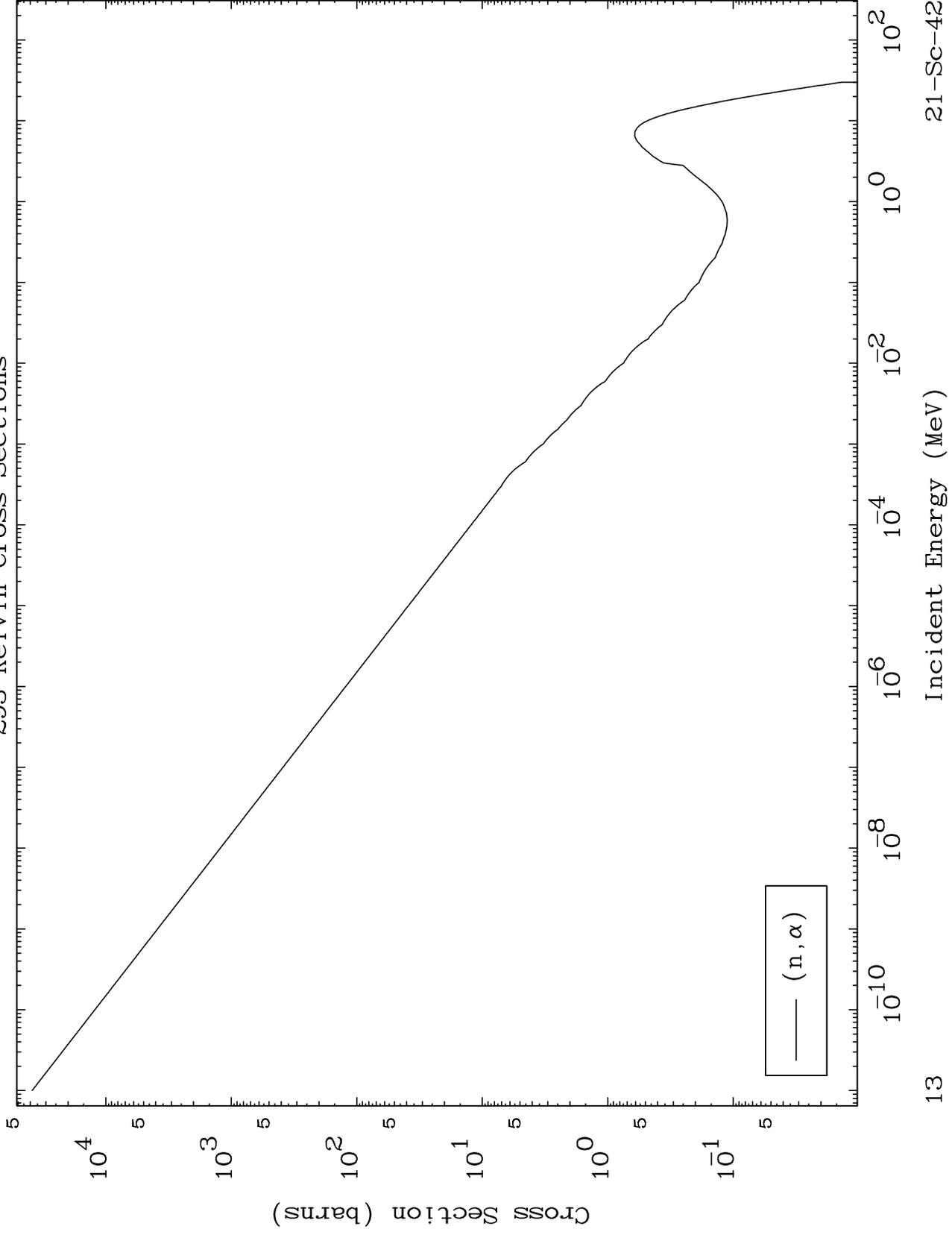
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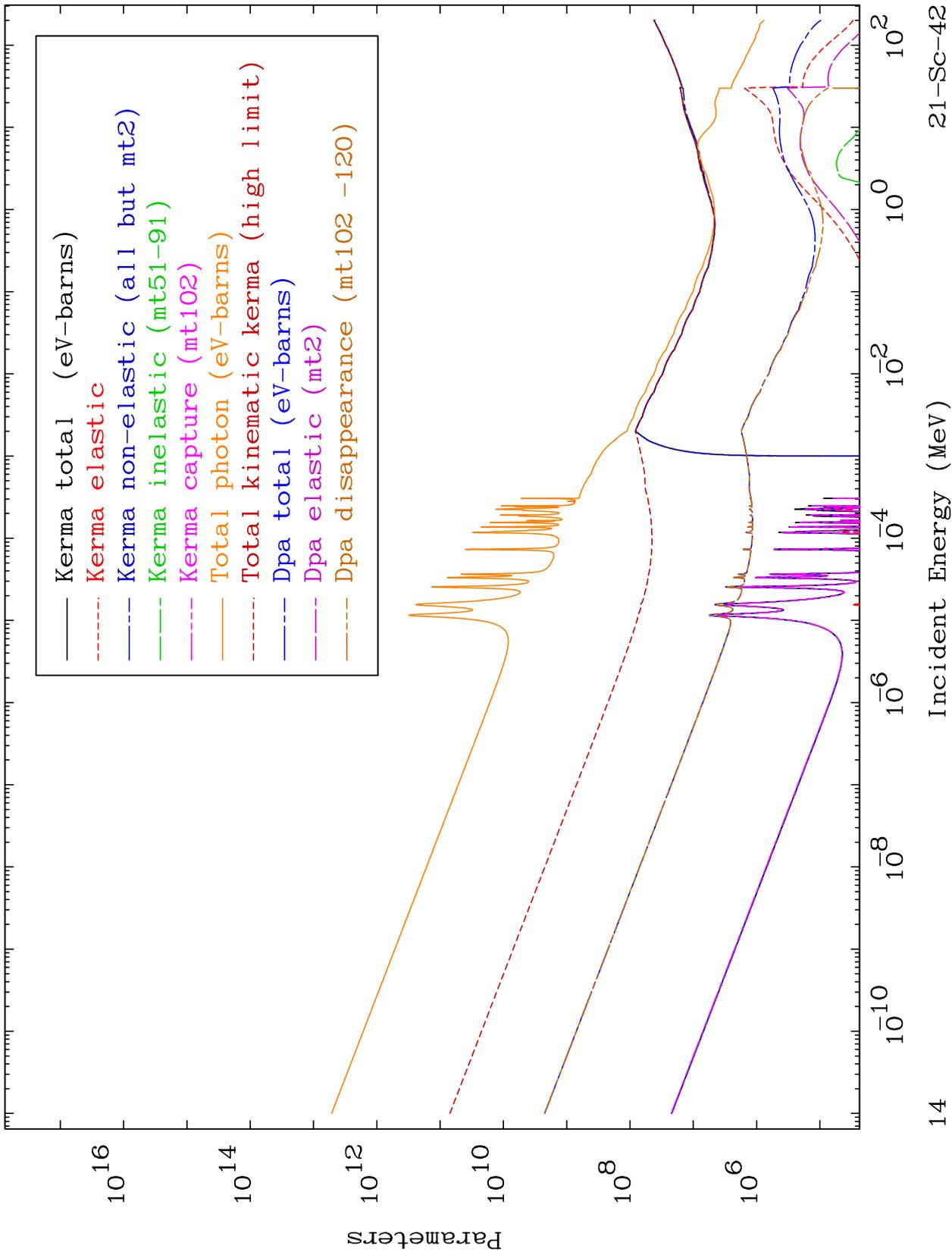


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(n,α) Levels  
293 Kelvin Cross Sections

21-Sc-42



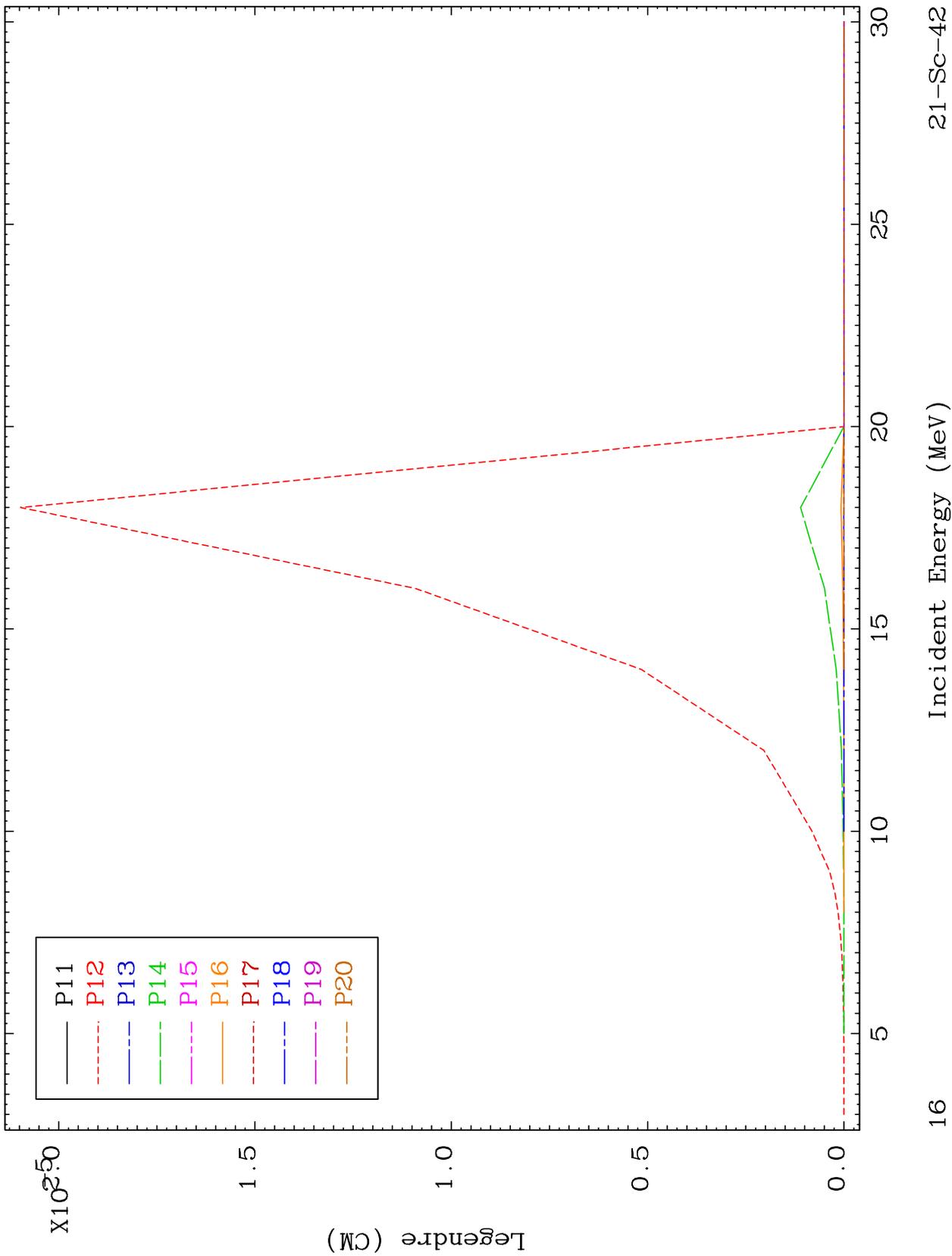




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Elastic Legendre Coefficients

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16

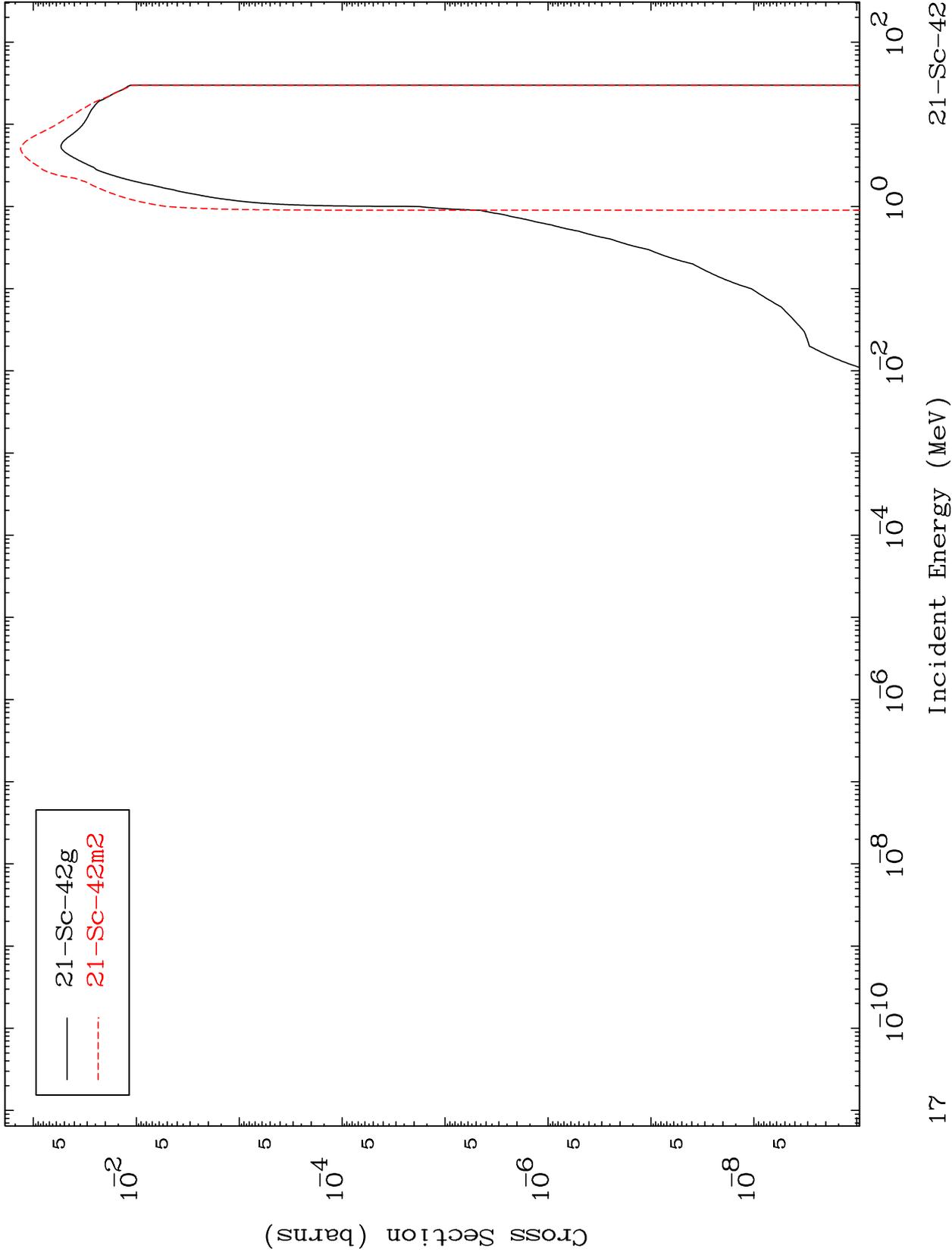
Incident Energy (MeV)

21-Sc-42

MAT 2117

Inelastic  
Radionuclide Production Cross Section

21-Sc-42

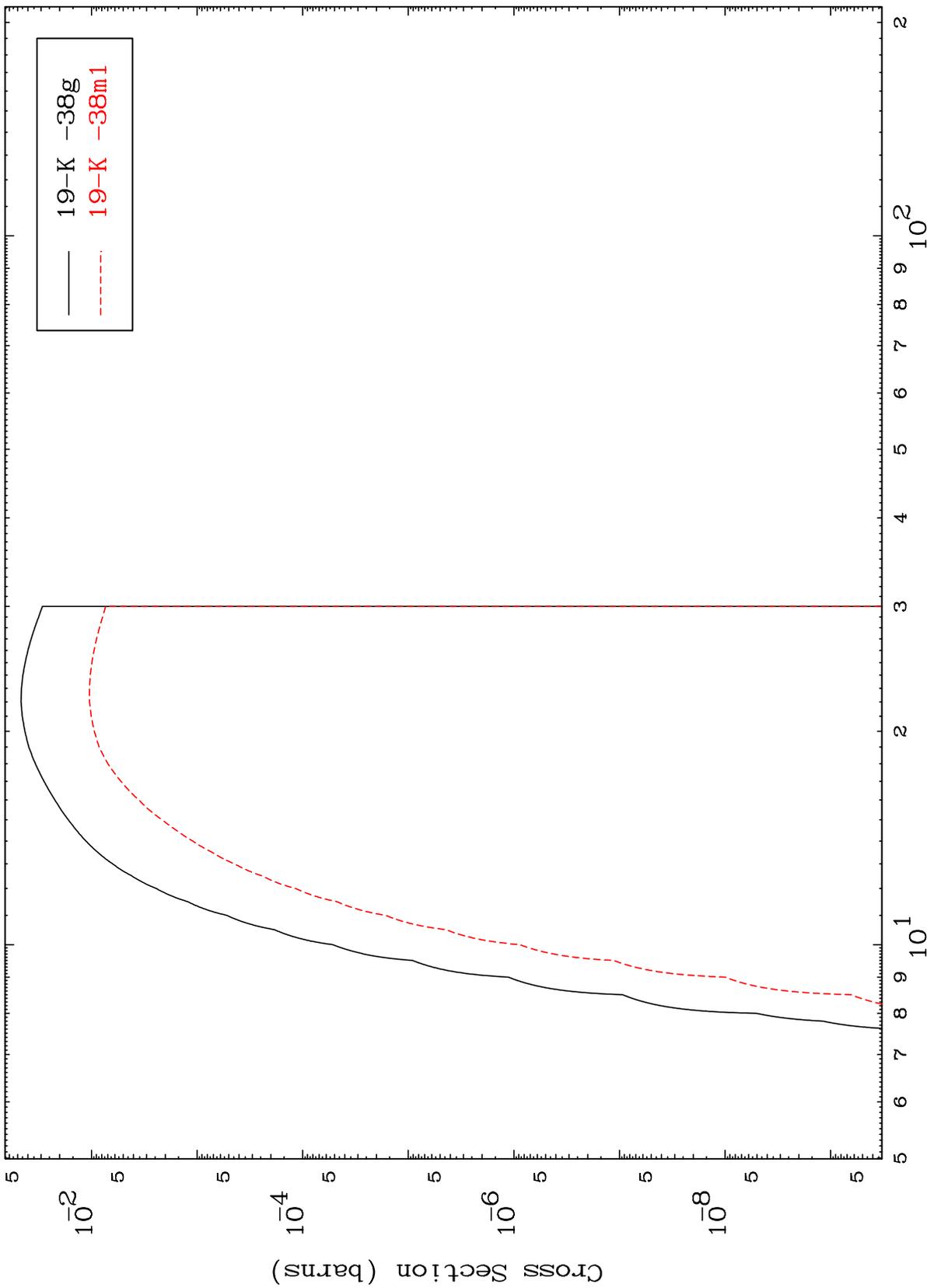


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$(n, n')$   $\alpha$

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Radionuclide Production Cross Section



18

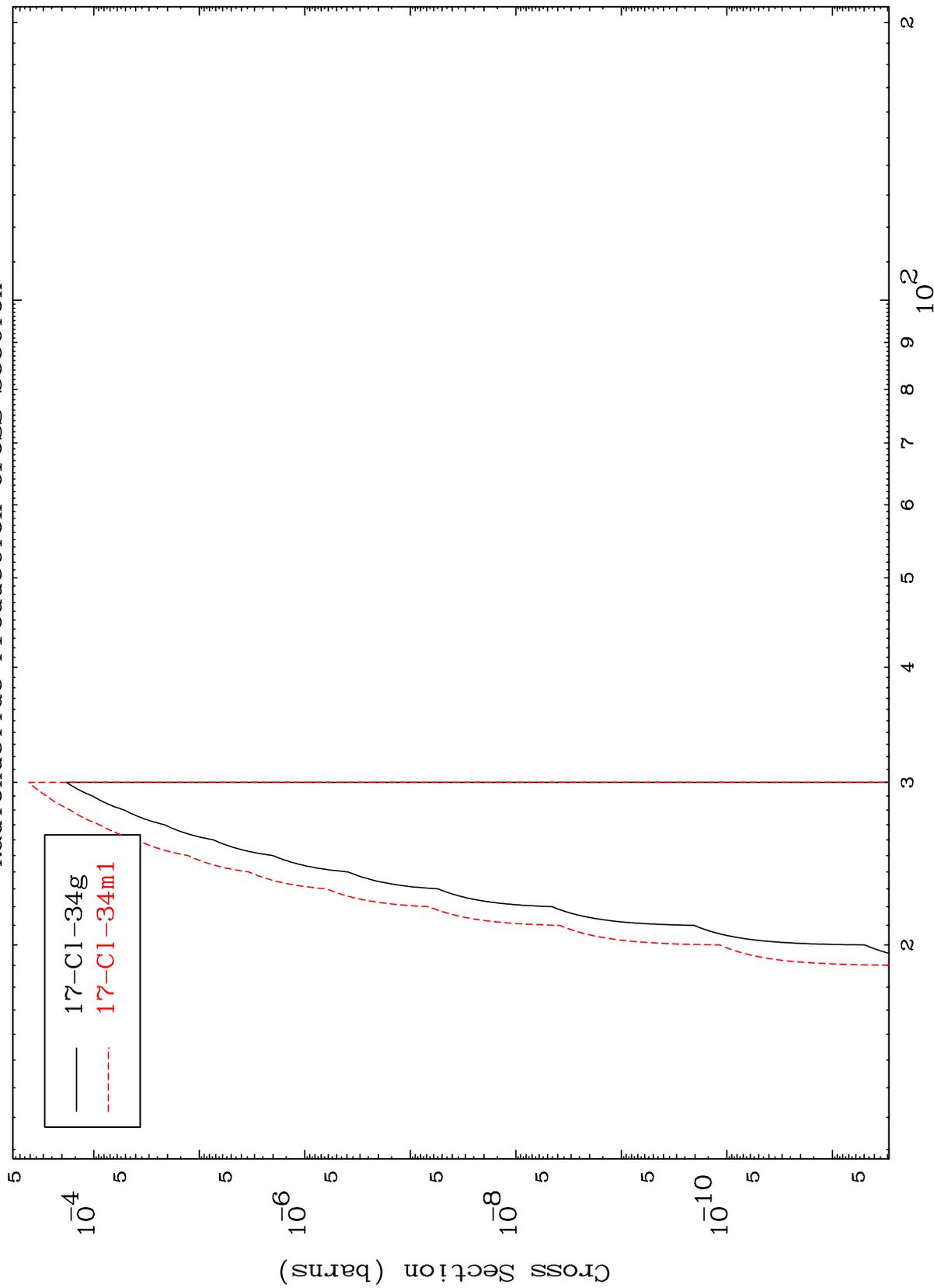
Incident Energy (MeV)

21-Sc-42

MAT 2117

21-Sc-42

(n,n') 2α  
Radionuclide Production Cross Section



19

Incident Energy (MeV)

21-Sc-42