

Program EVALPLOT  
(Version 2021-1)

by

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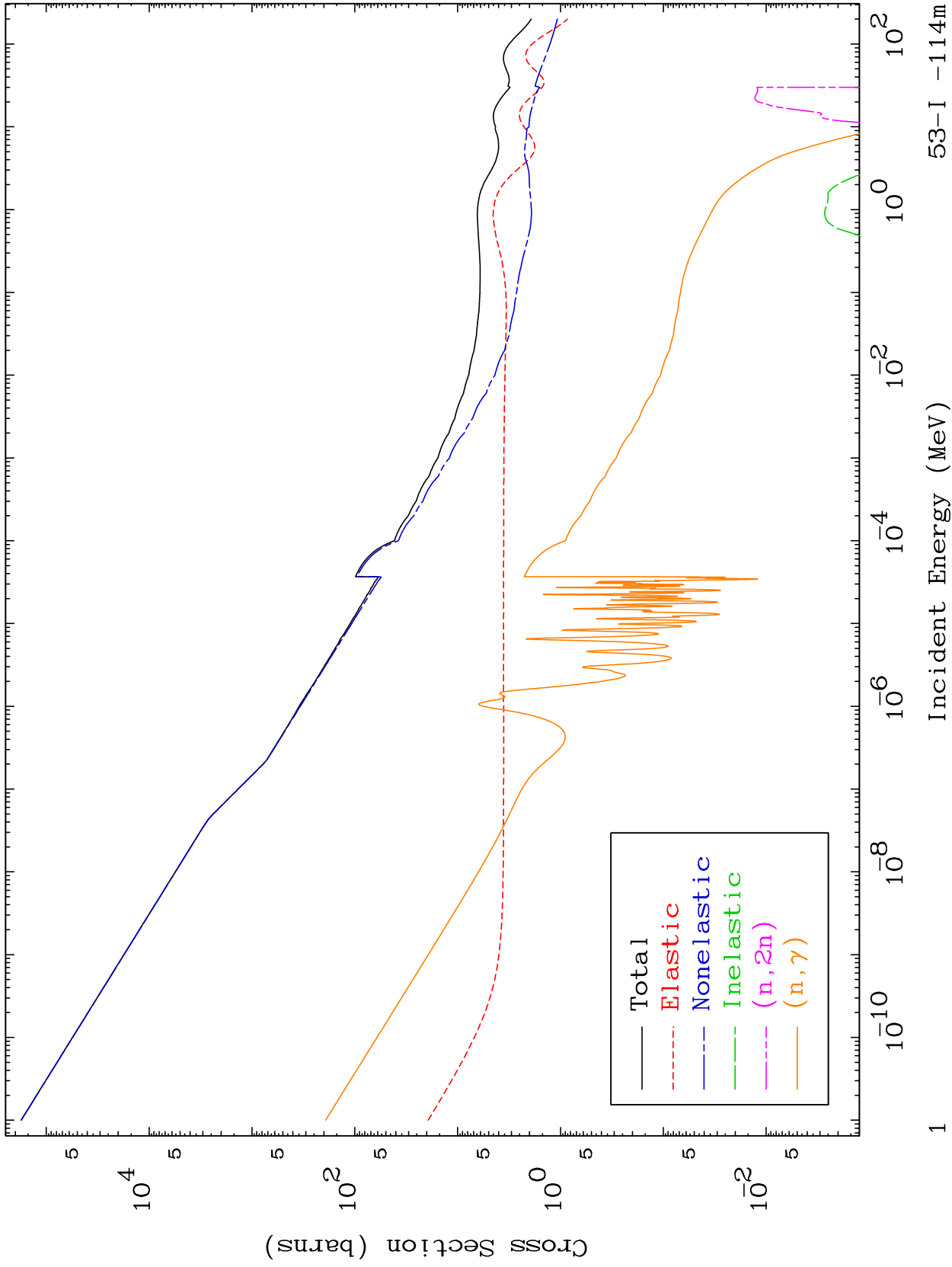
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5287

Neutron Major  
293 Kelvin Cross Sections

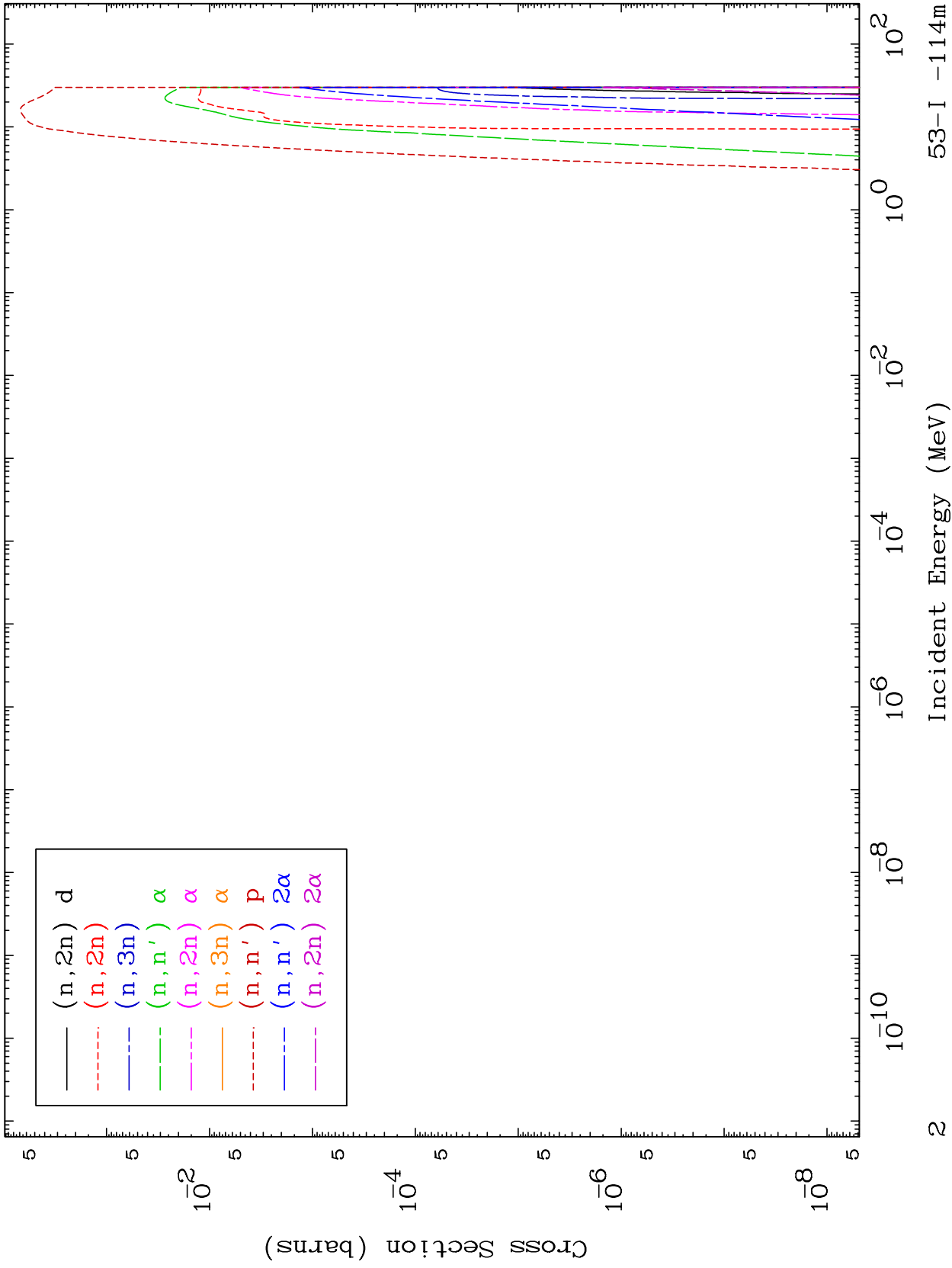
53-I -114m

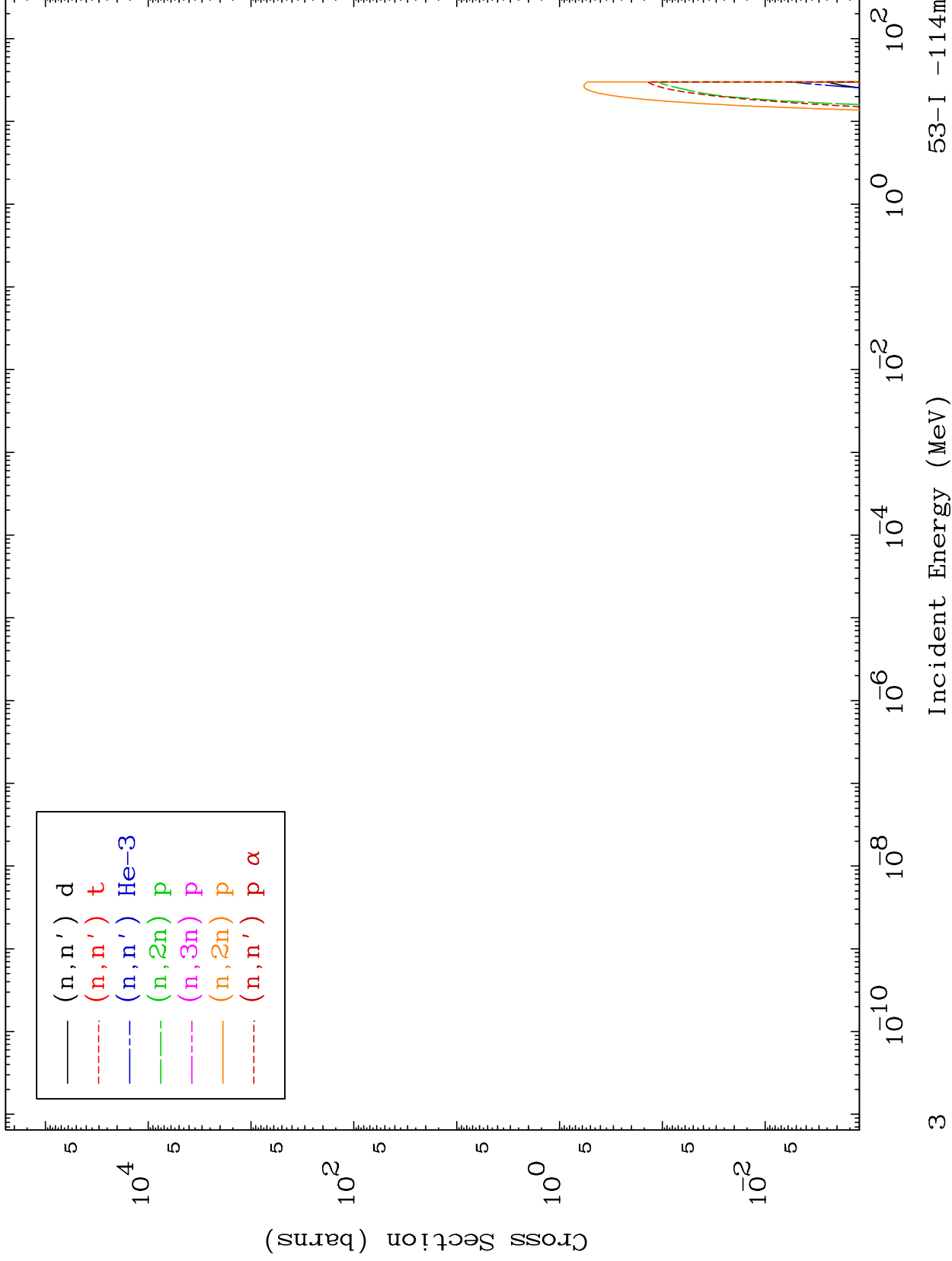


MAT 5287

Neutron Absorption  
293 Kelvin Cross Sections

53-I -114m

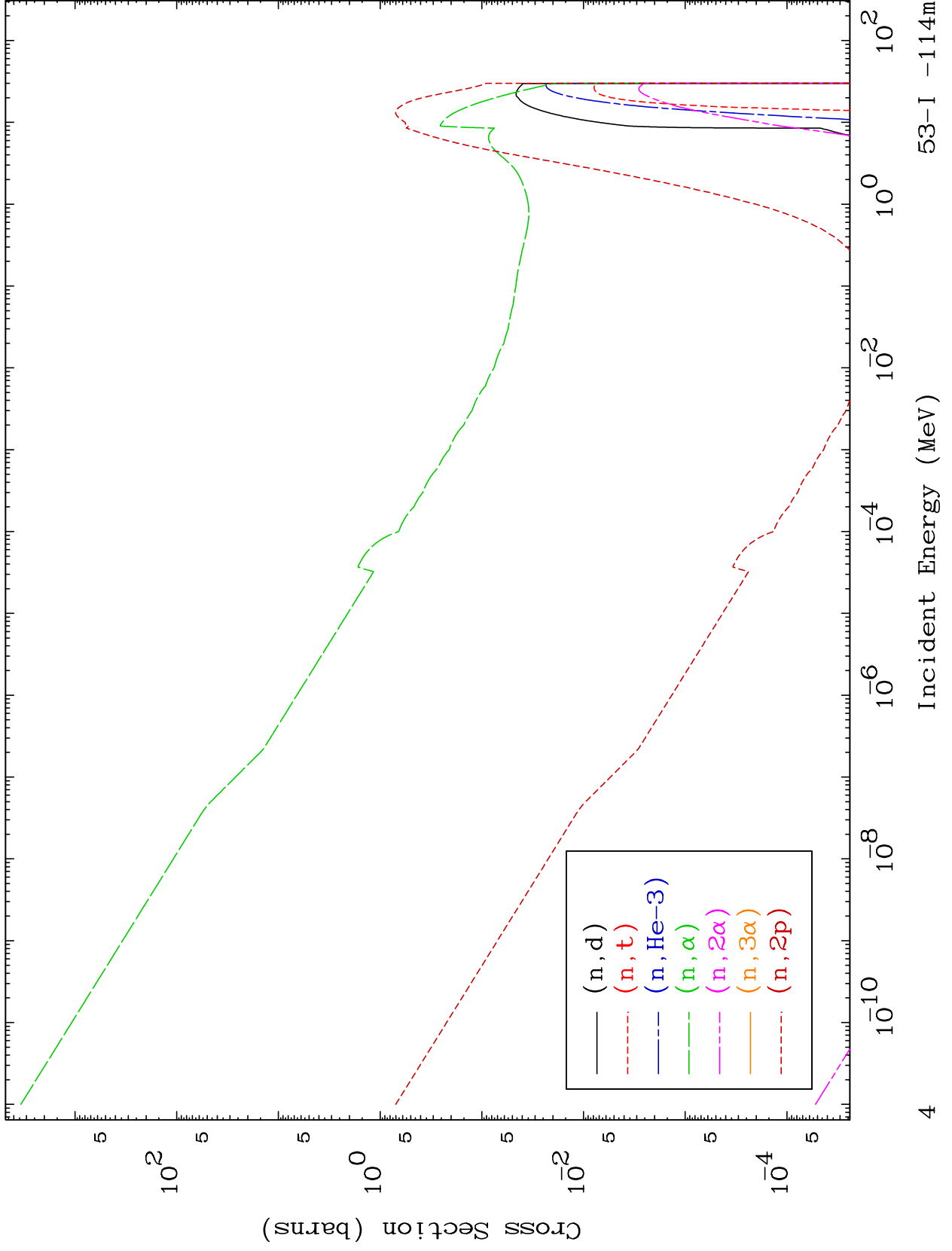




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Neutron Absorption  
293 Kelvin Cross Sections

53-I -114m

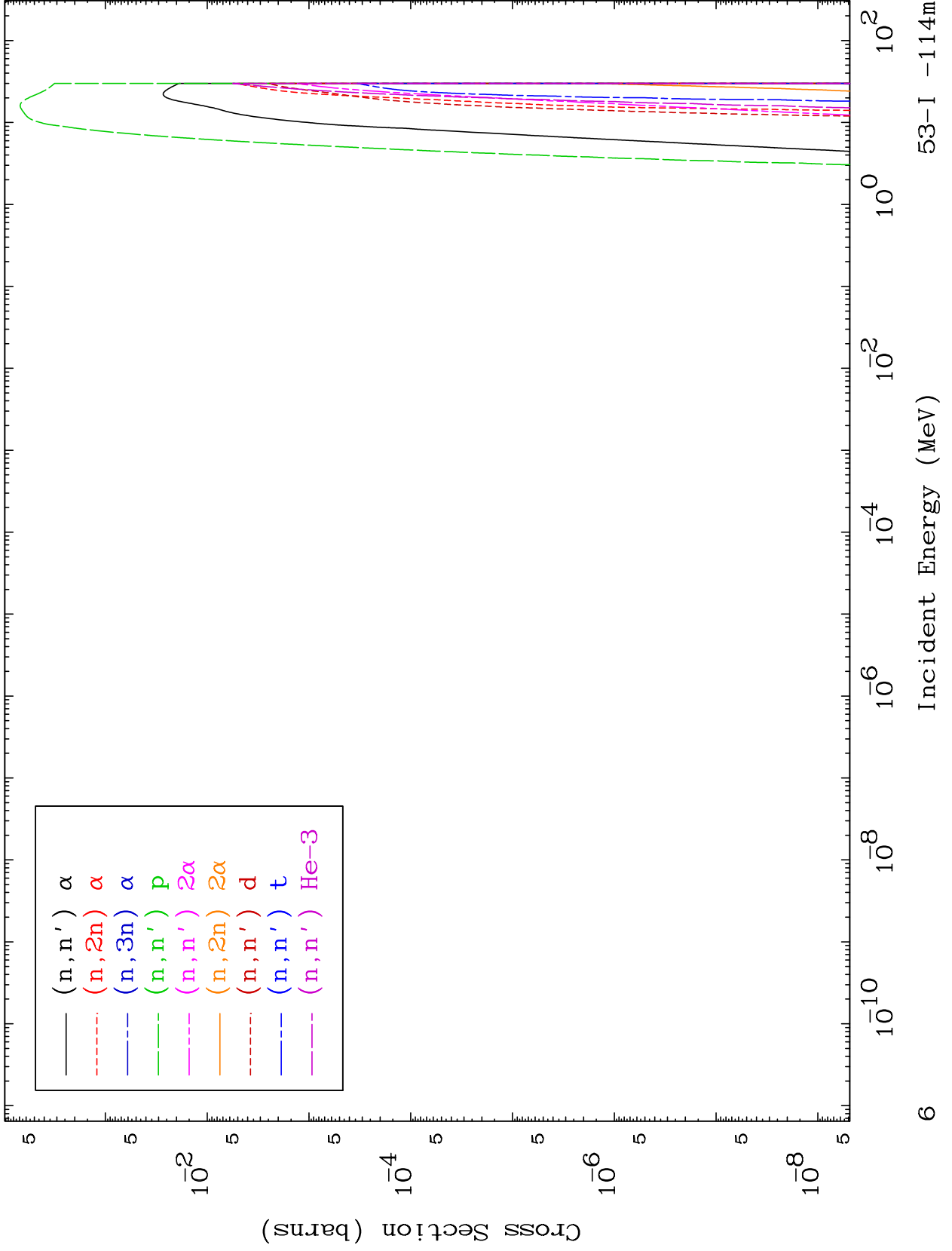




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Charged Particle  
293 Kelvin Cross Sections

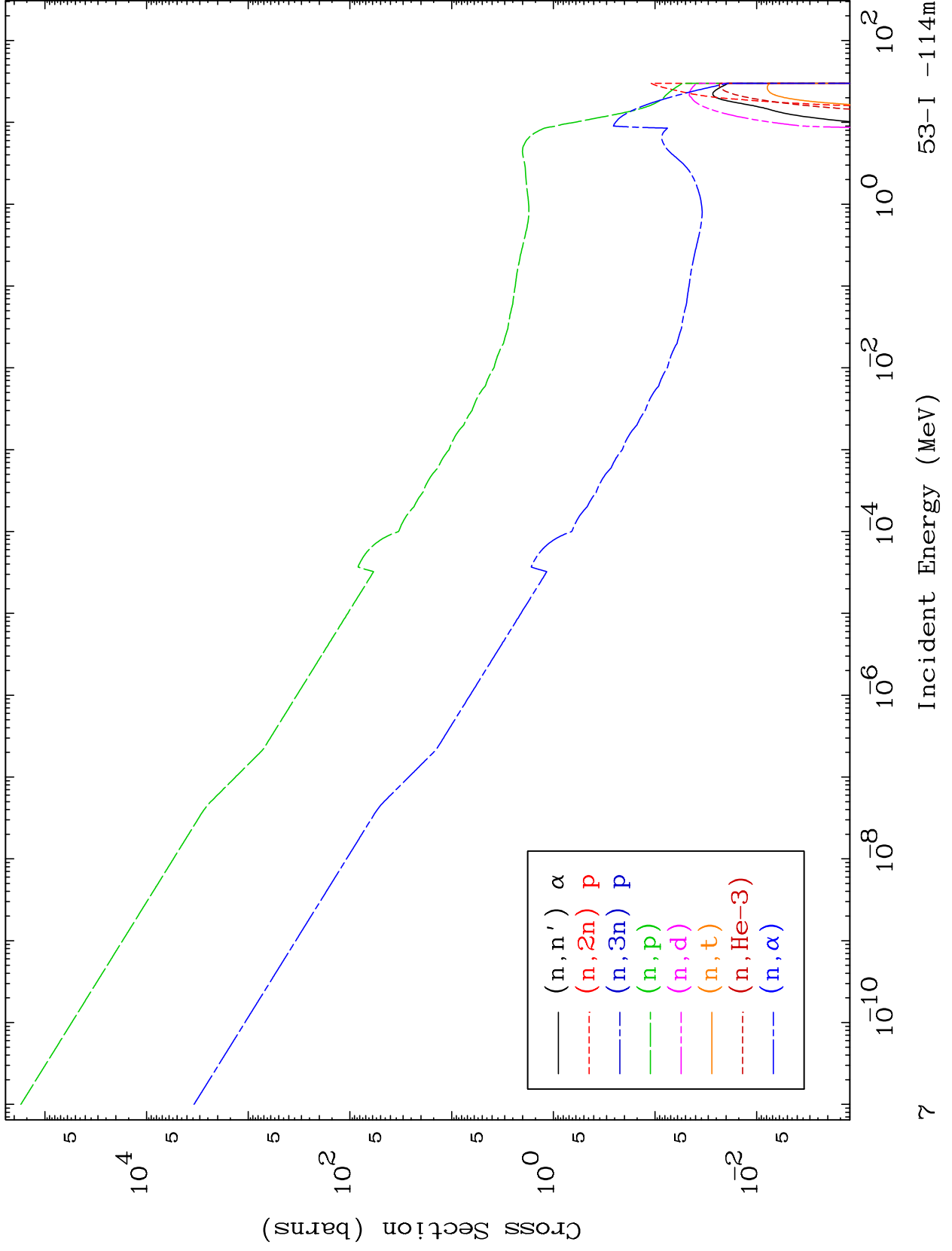
53-I -114m



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Charged Particle  
293 Kelvin Cross Sections

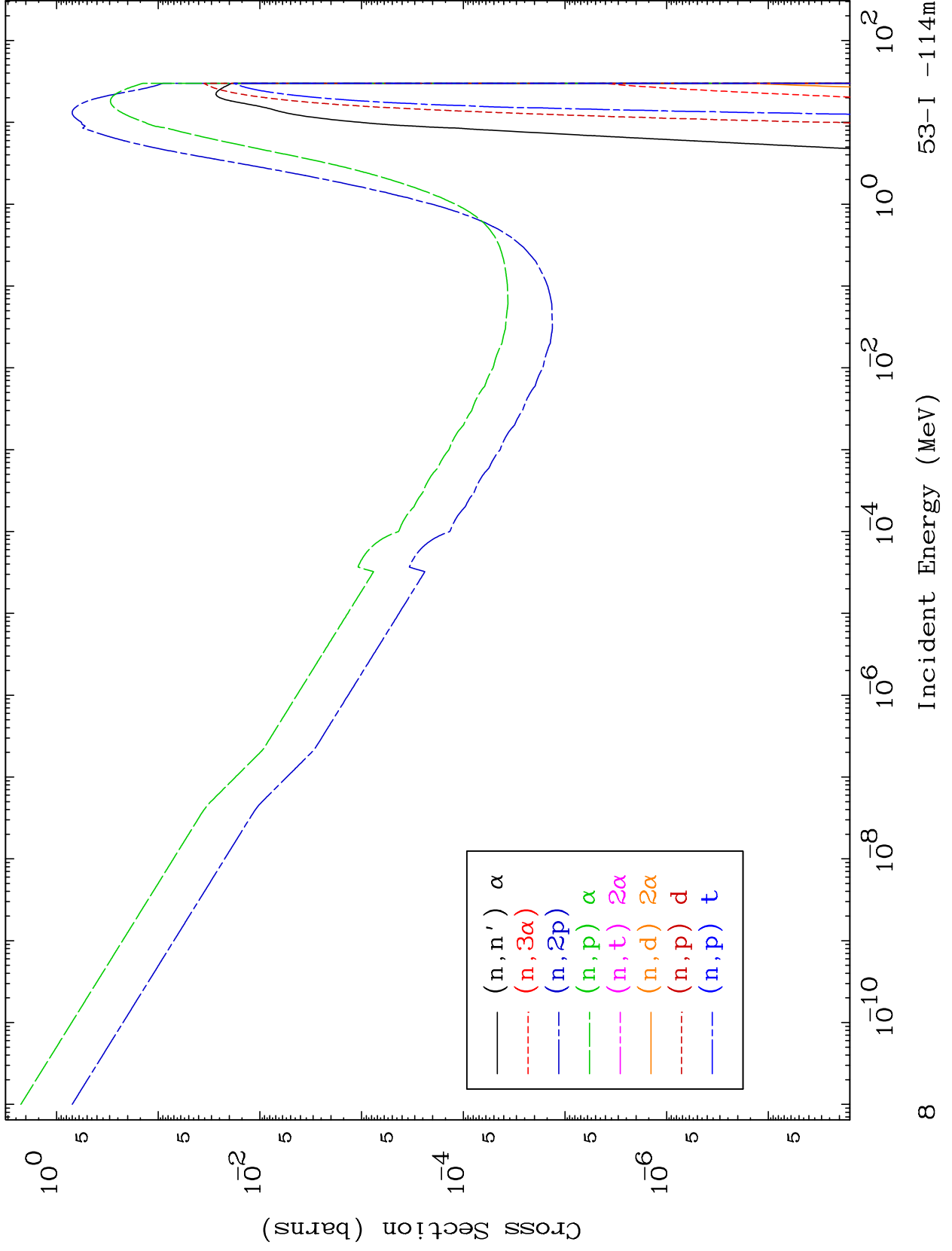
53-I -114m



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Charged Particle  
293 Kelvin Cross Sections

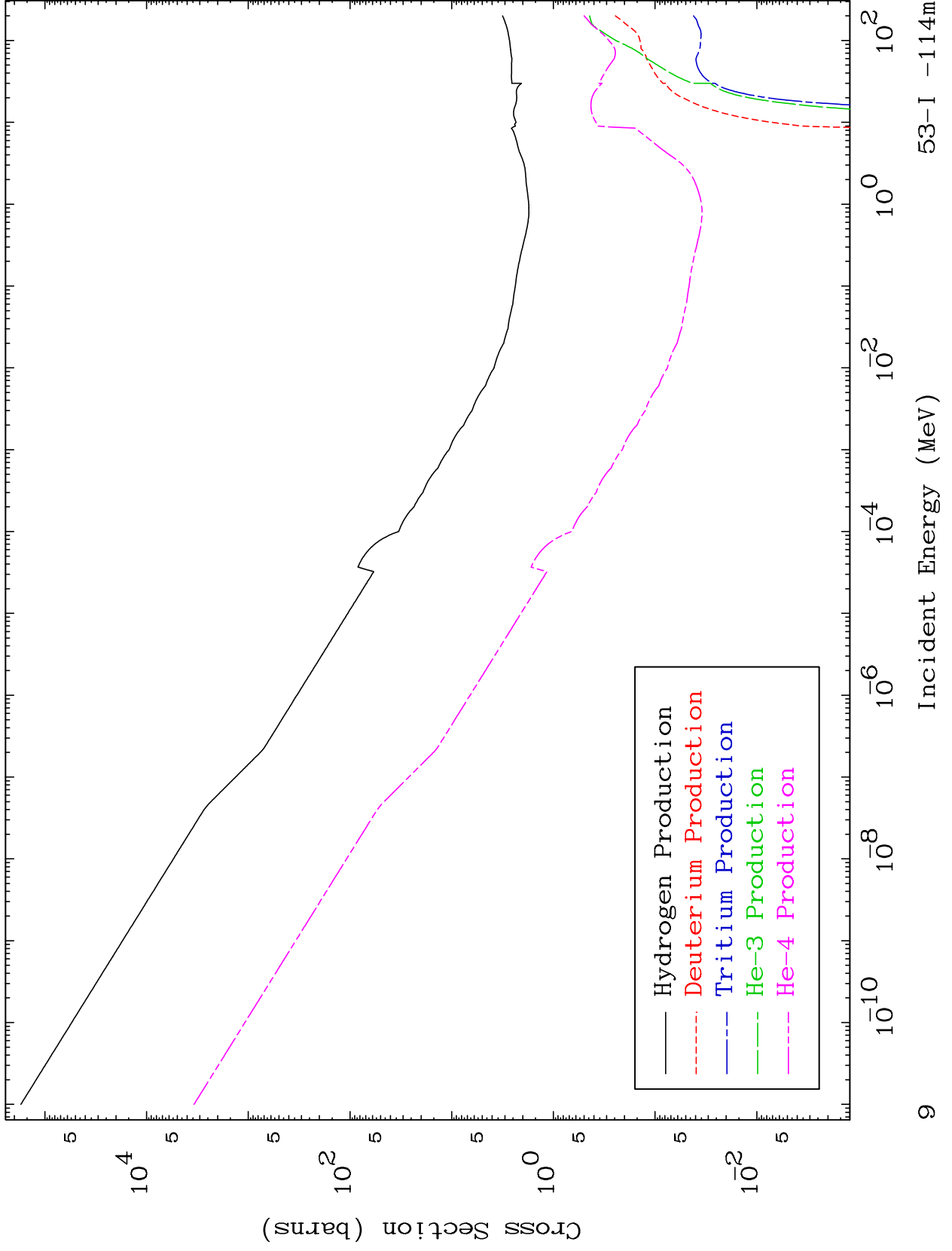
53-I -114m



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Particle Production  
293 Kelvin Cross Sections

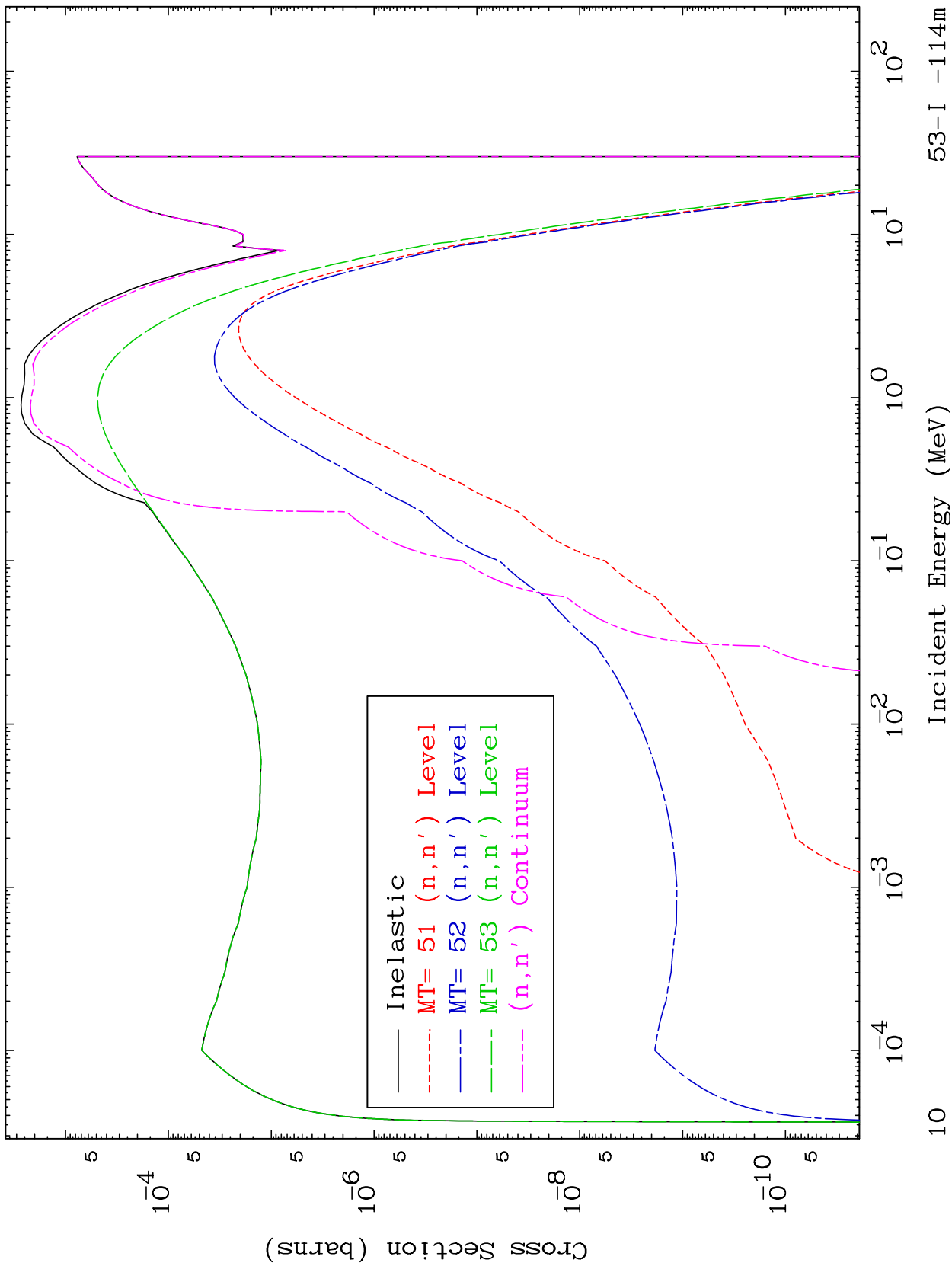
53-I -114m



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(n,n') Levels  
293 Kelvin Cross Sections

53-I -114m



53-I -114m

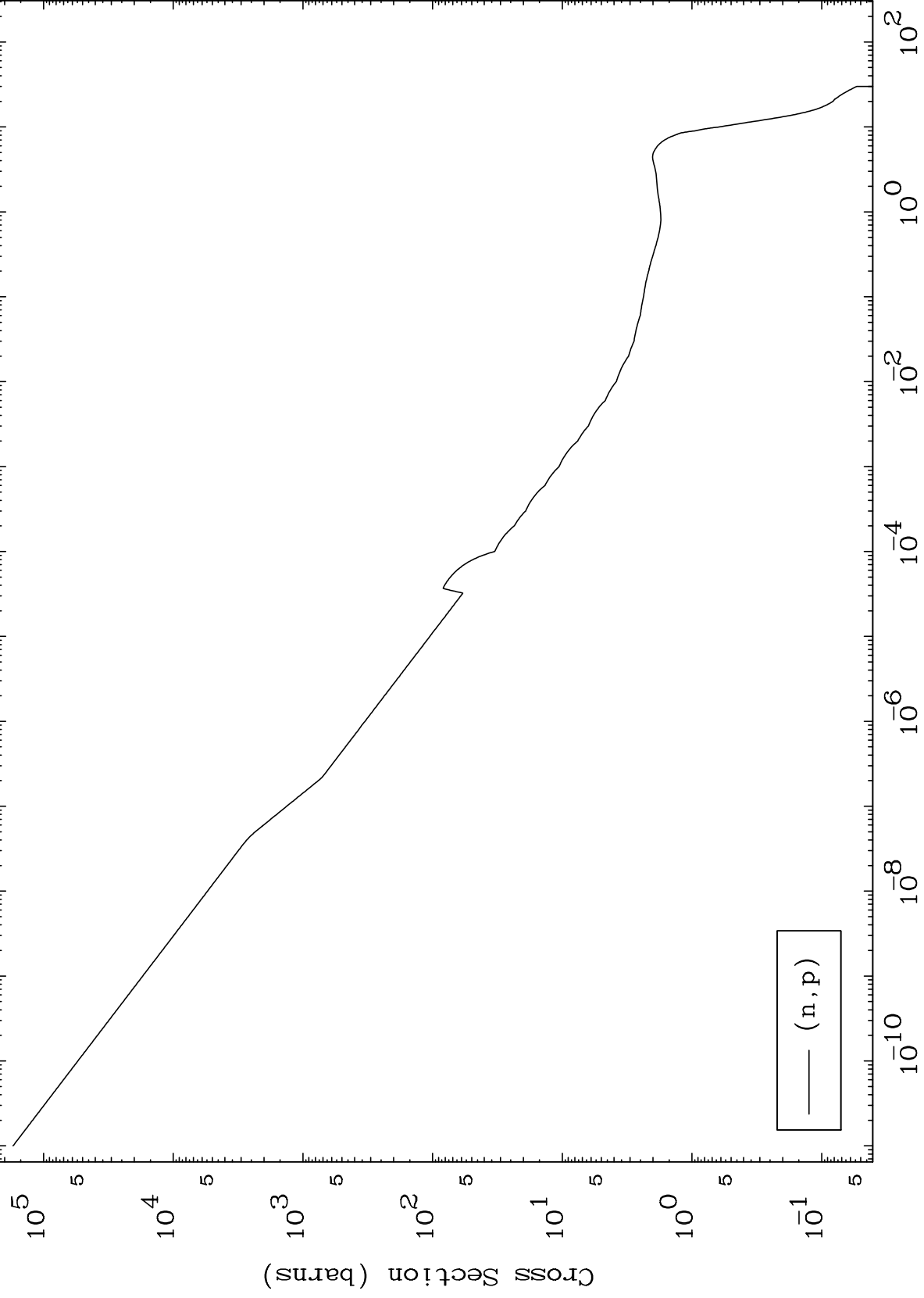
Incident Energy (MeV)

10

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(n,p) Levels  
293 Kelvin Cross Sections

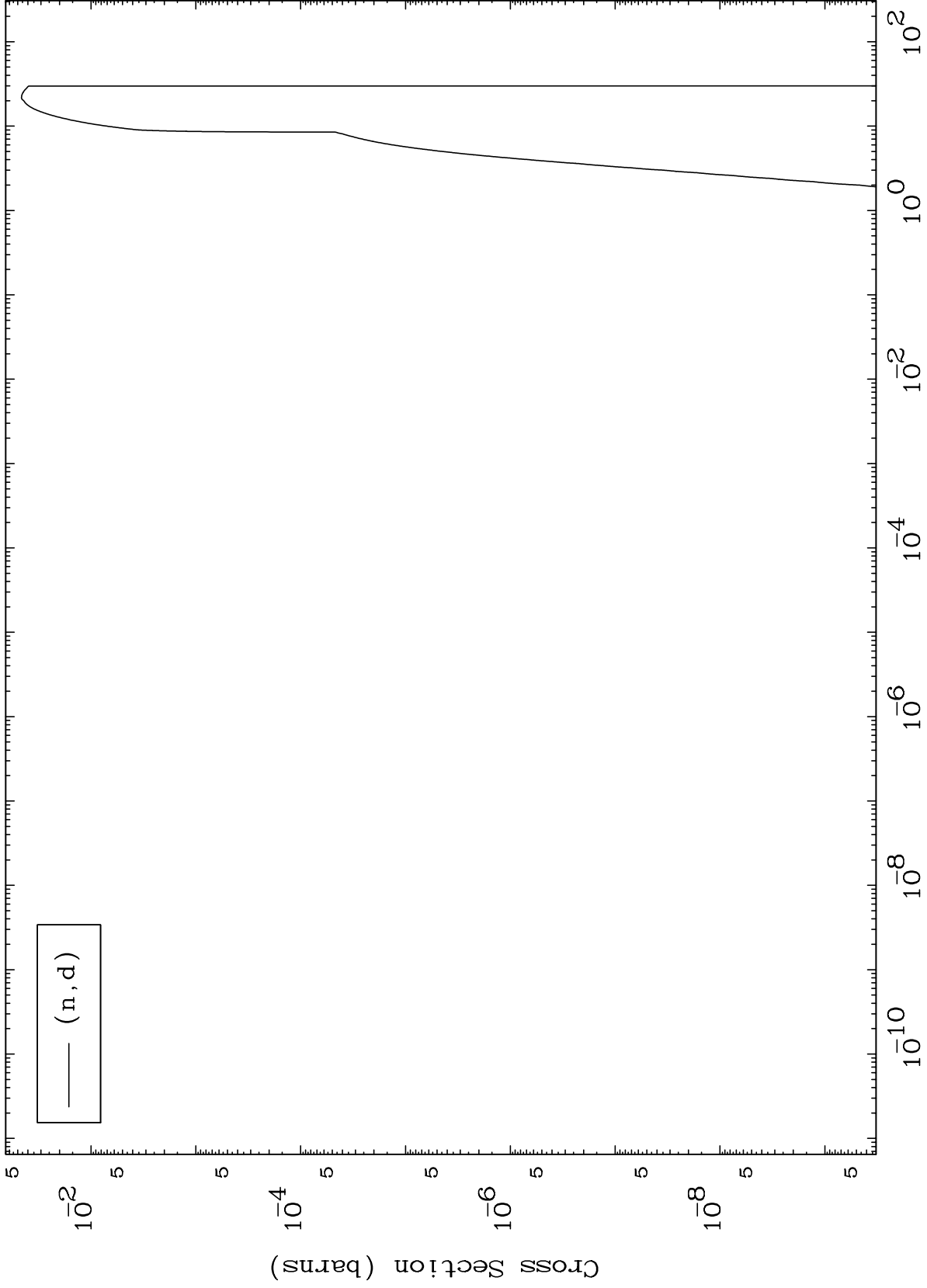
53-I -114m



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(n,d) Levels  
293 Kelvin Cross Sections

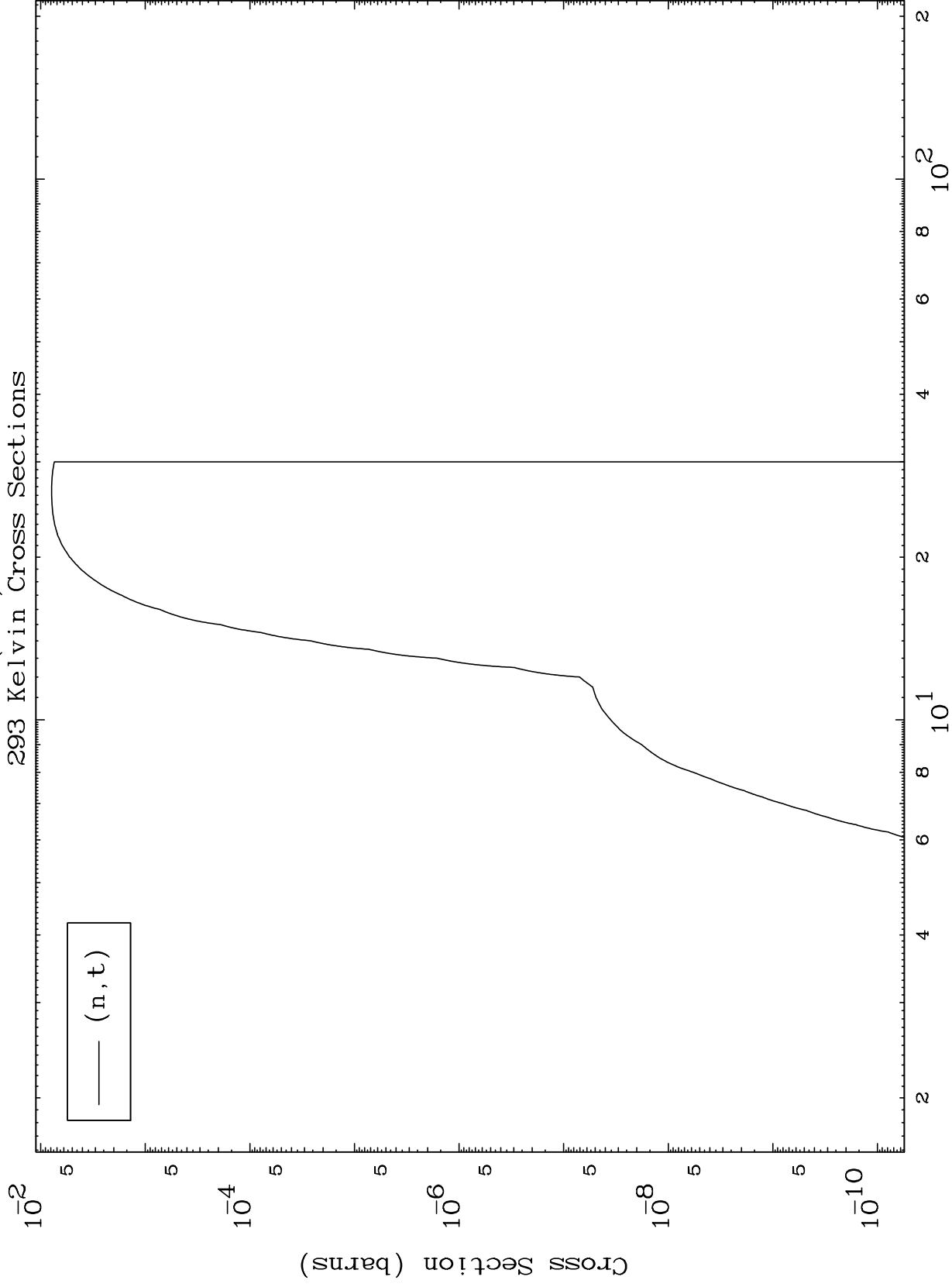
53-I -114m



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(n,t) Levels  
293 Kelvin Cross Sections

53-I -114m



13

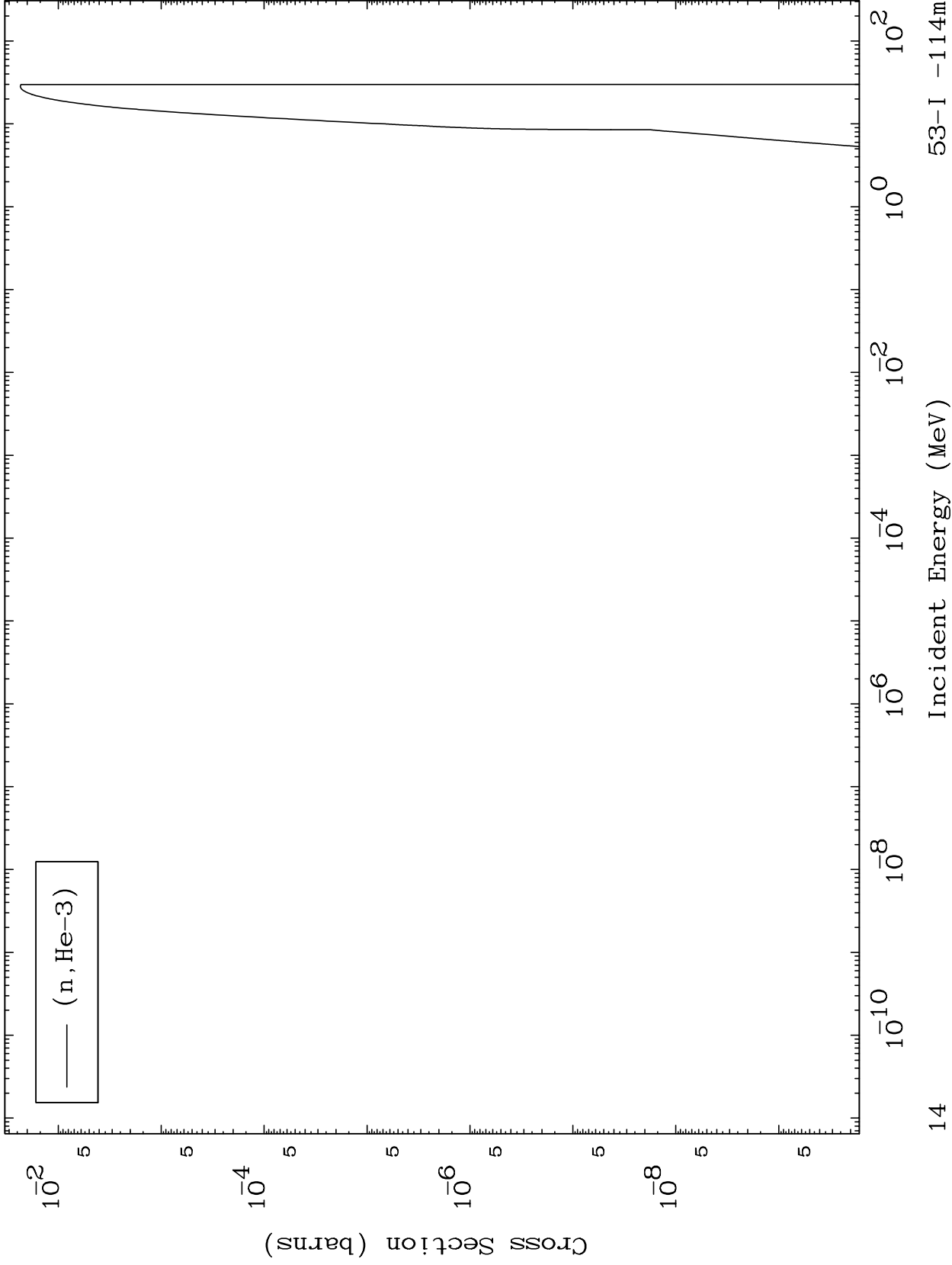
Incident Energy (MeV)

53-I -114m

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(n,He3) Levels  
293 Kelvin Cross Sections

53-I -114m



14

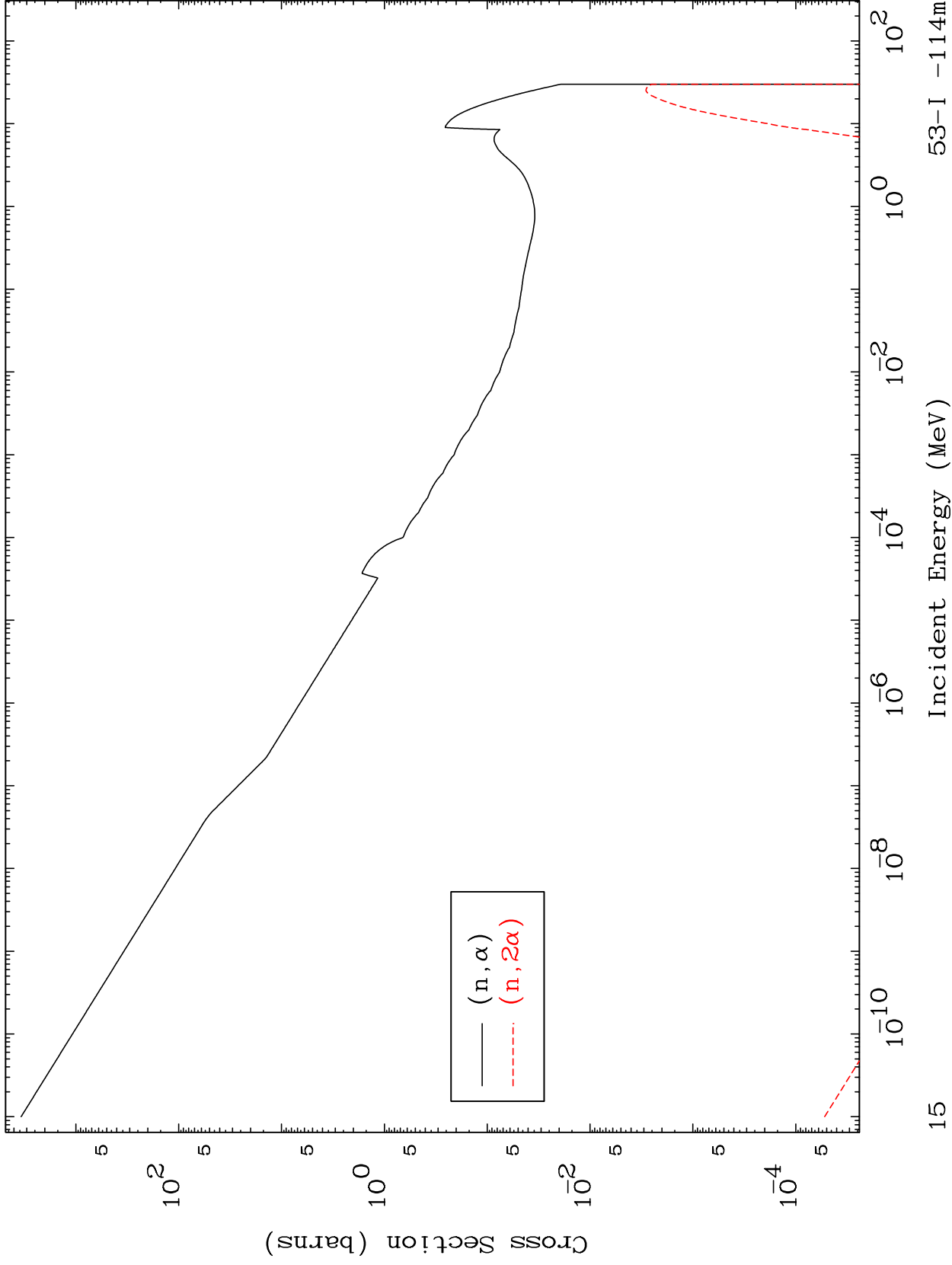
Incident Energy (MeV)

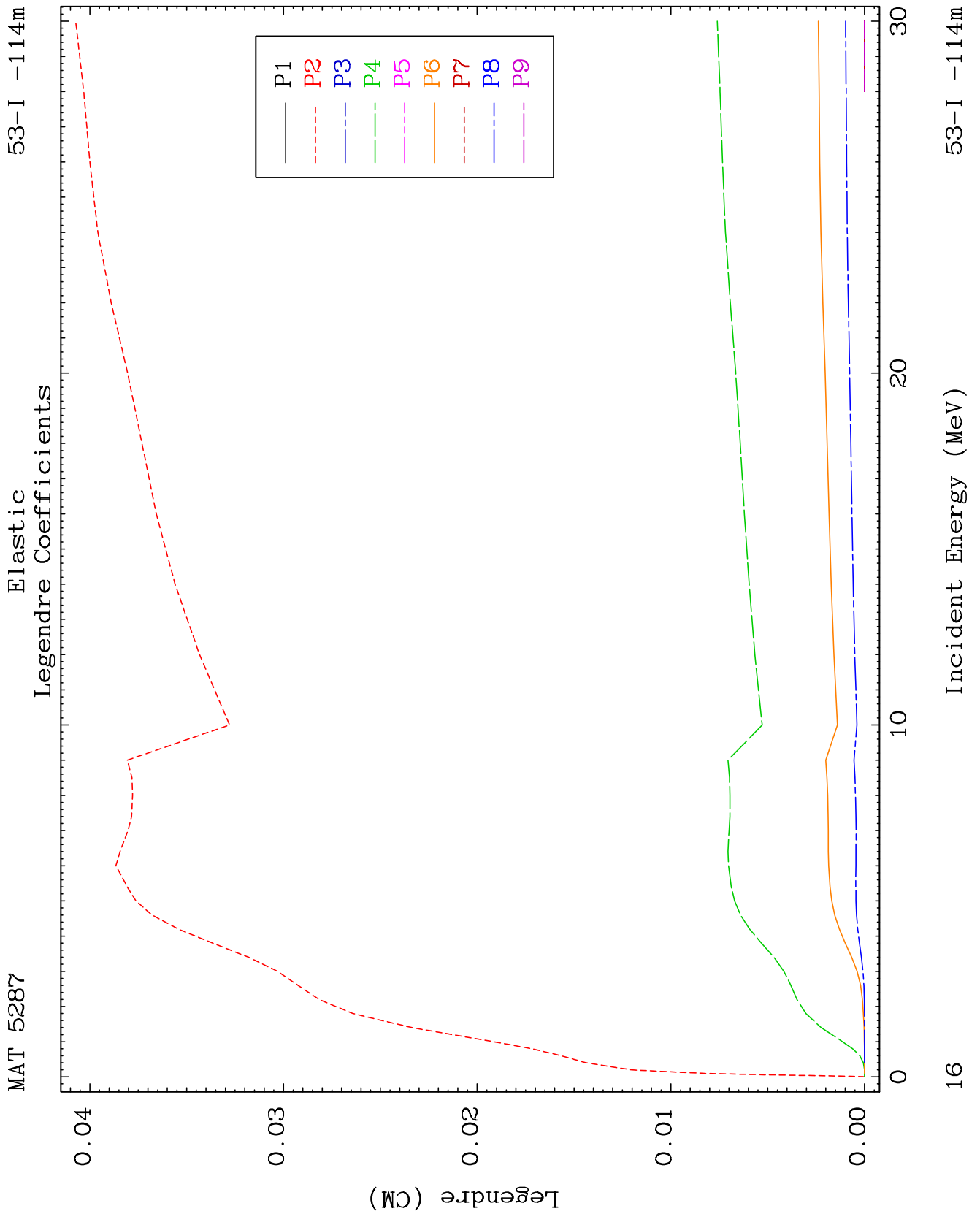
53-I -114m

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(n,α) Levels  
293 Kelvin Cross Sections

53-I -114m

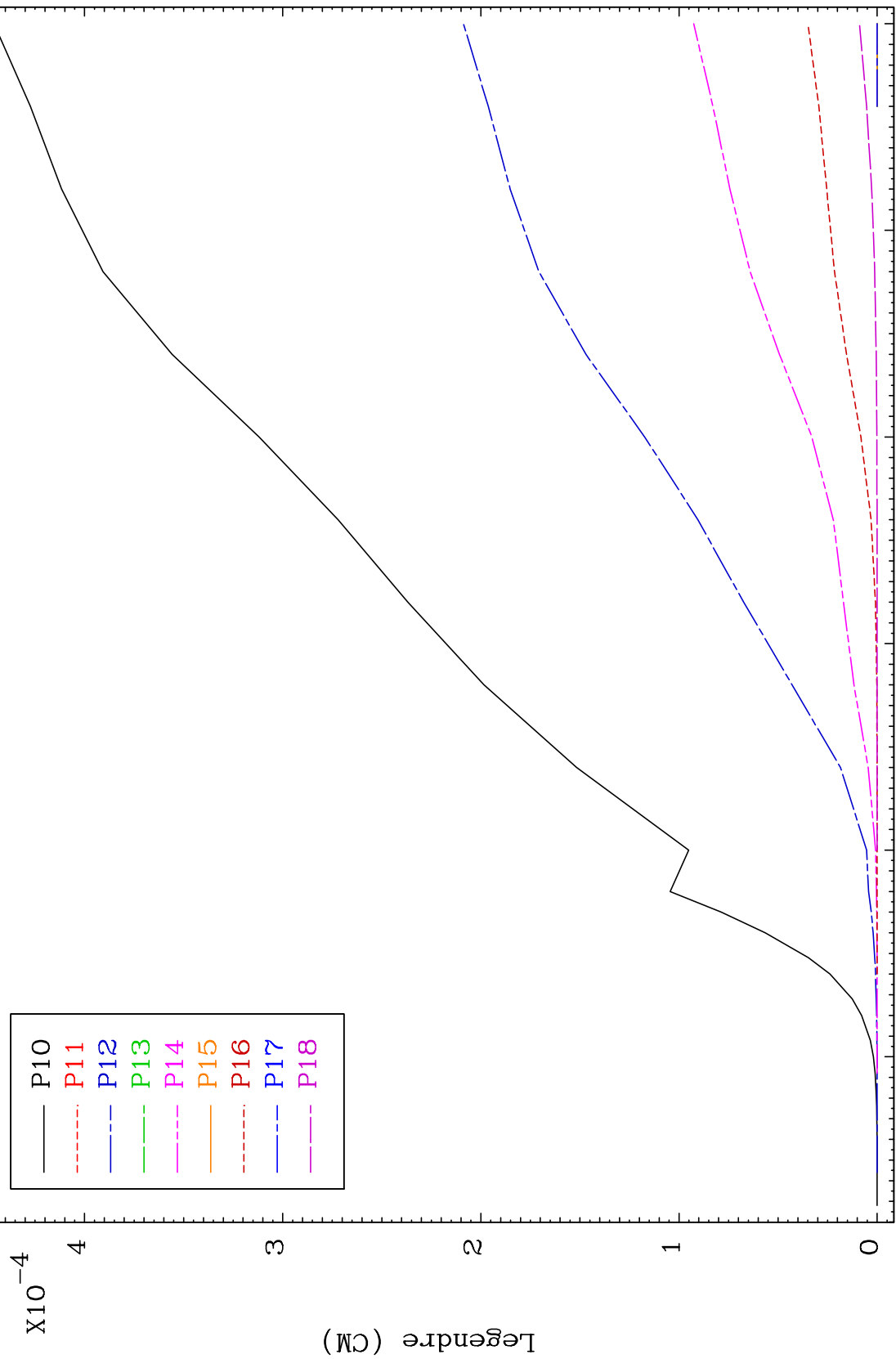
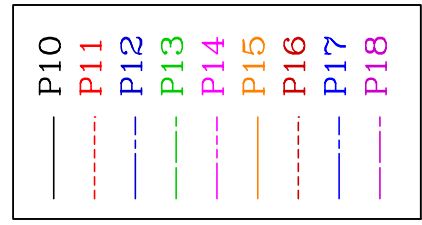




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Elastic Legendre Coefficients

53-I -114m



17

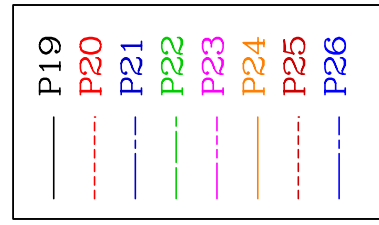
Incident Energy (MeV)

53-I -114m

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Elastic  
Legendre Coefficients

53-I -114m



$\times 10^{-7}$

Legendre (CM)

4

3

2

1

0

15

20

25

30

18

Incident Energy (MeV)

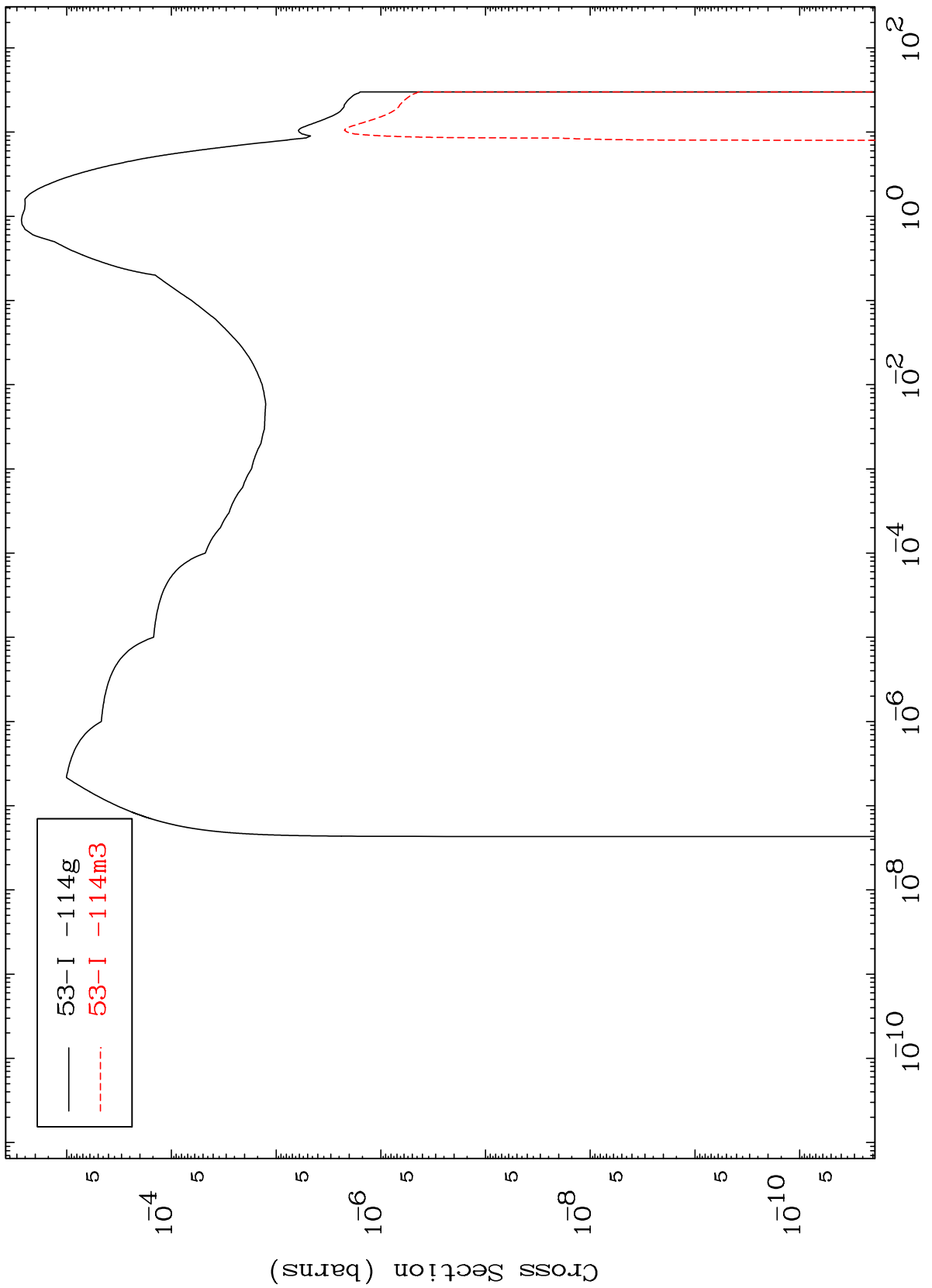
53-I -114m



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53-I -114m

Inelastic  
Radionuclide Production Cross Section



53-I -114g  
53-I -114m3

53-I -114m

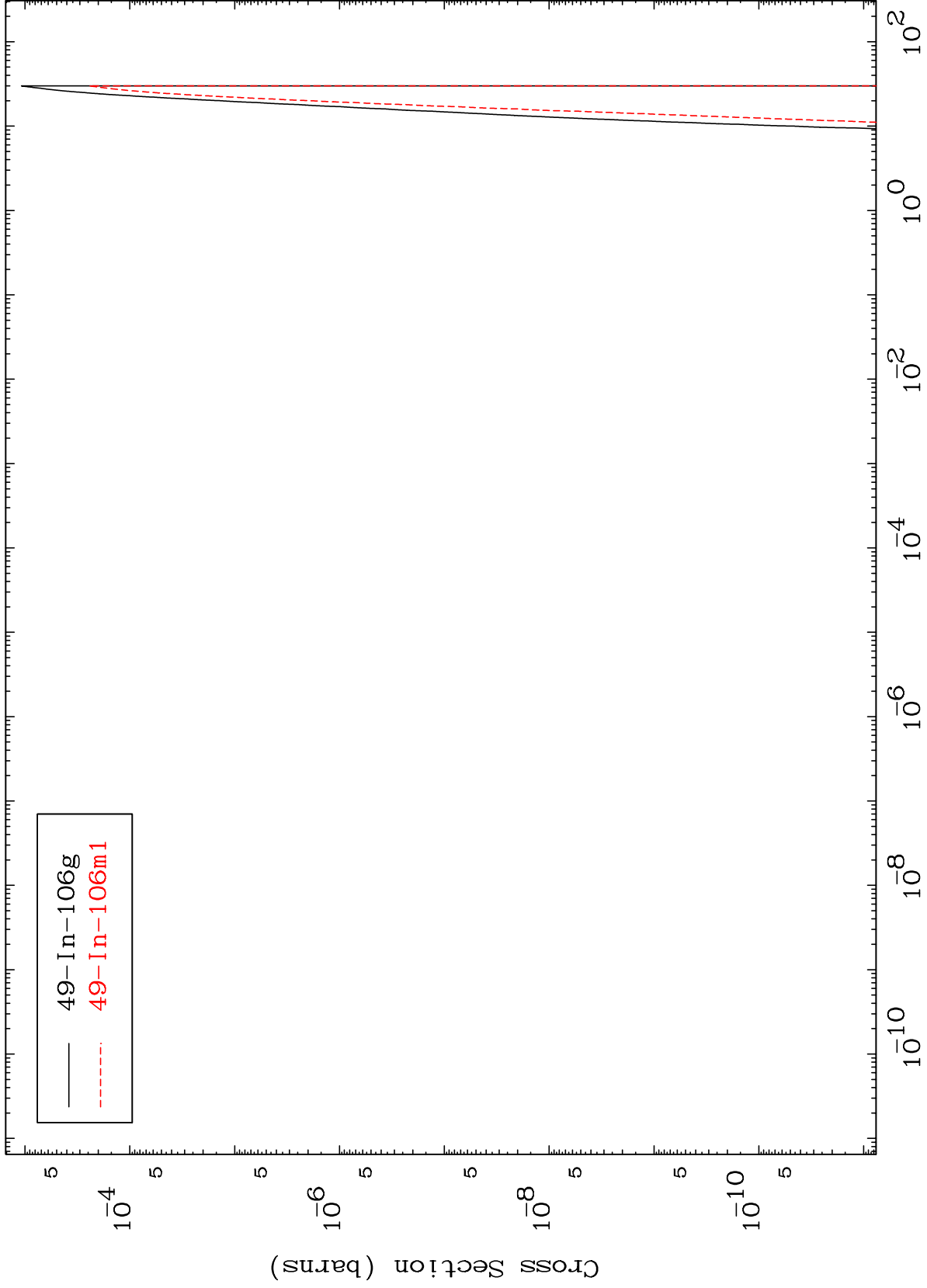
Incident Energy (MeV)

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(n,n') 2α

53-I -114m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

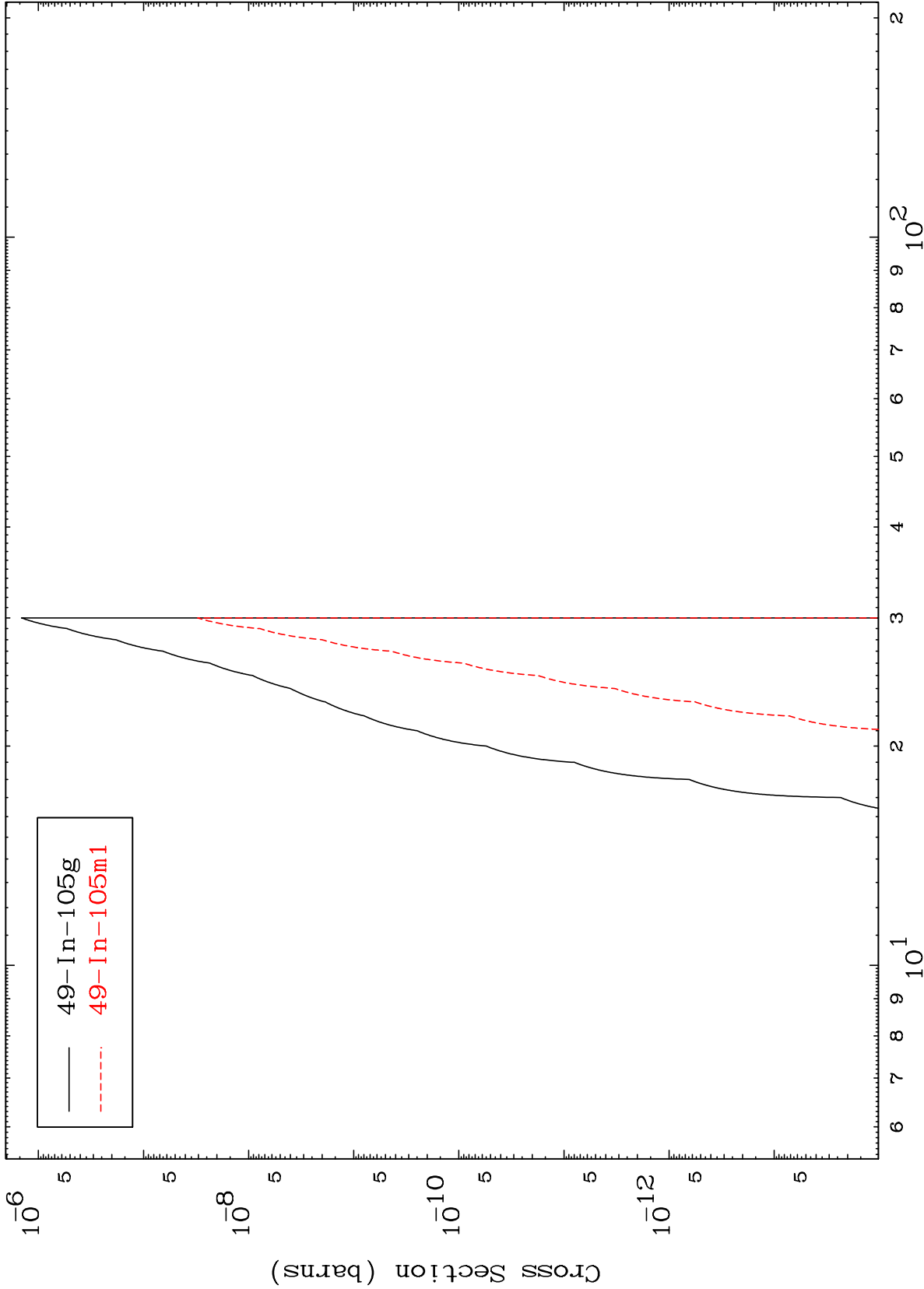
53-I -114m

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(n,2n) 2α

53-I -114m

Radionuclide Production Cross Section



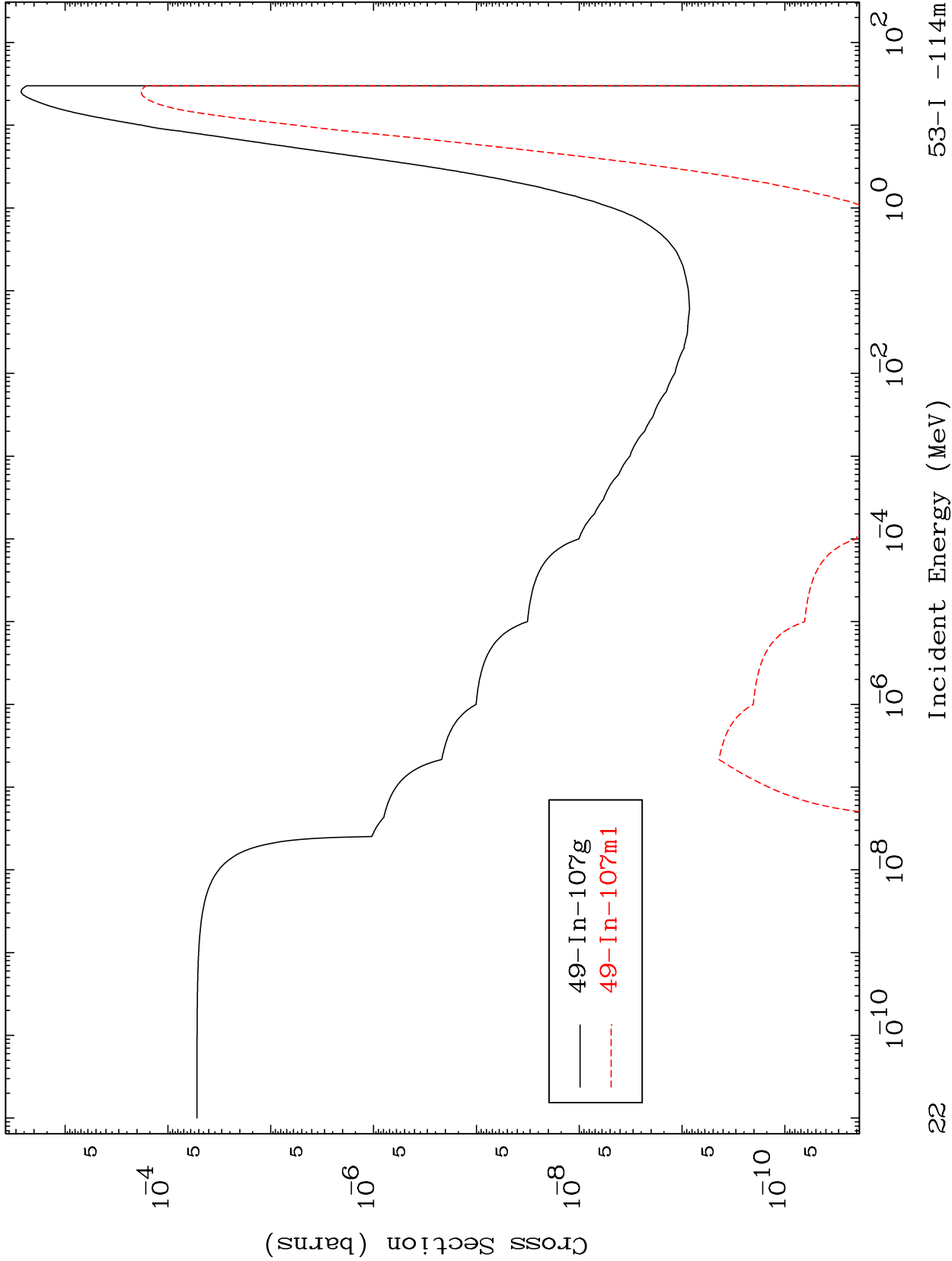
— 49-In-105g  
- - - 49-In-105m1

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(n,2α)

53-I -114m

Radionuclide Production Cross Section



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(n,3α)

53-I -114m

Radionuclide Production Cross Section

