

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

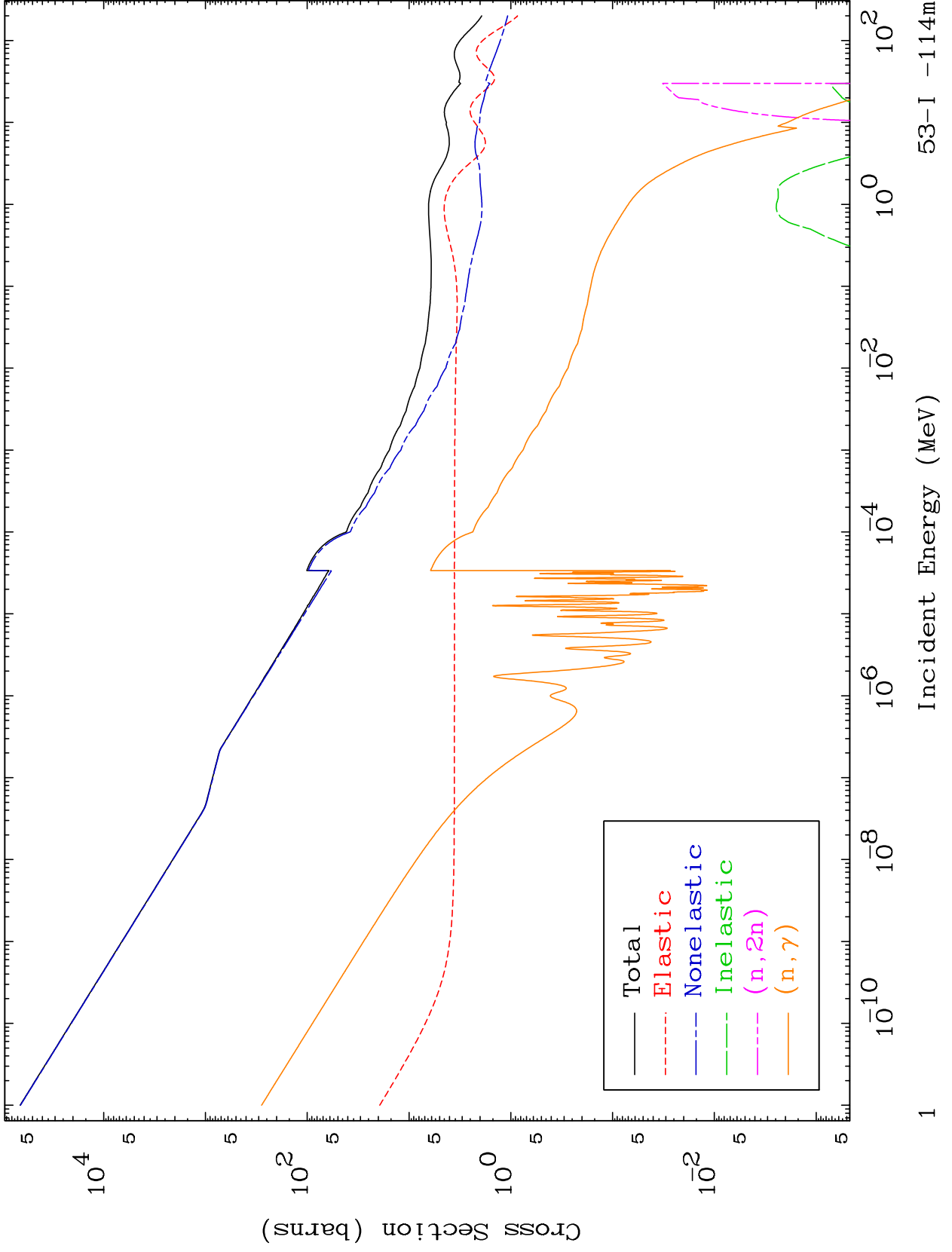
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5287

Neutron Major
293 Kelvin Cross Sections

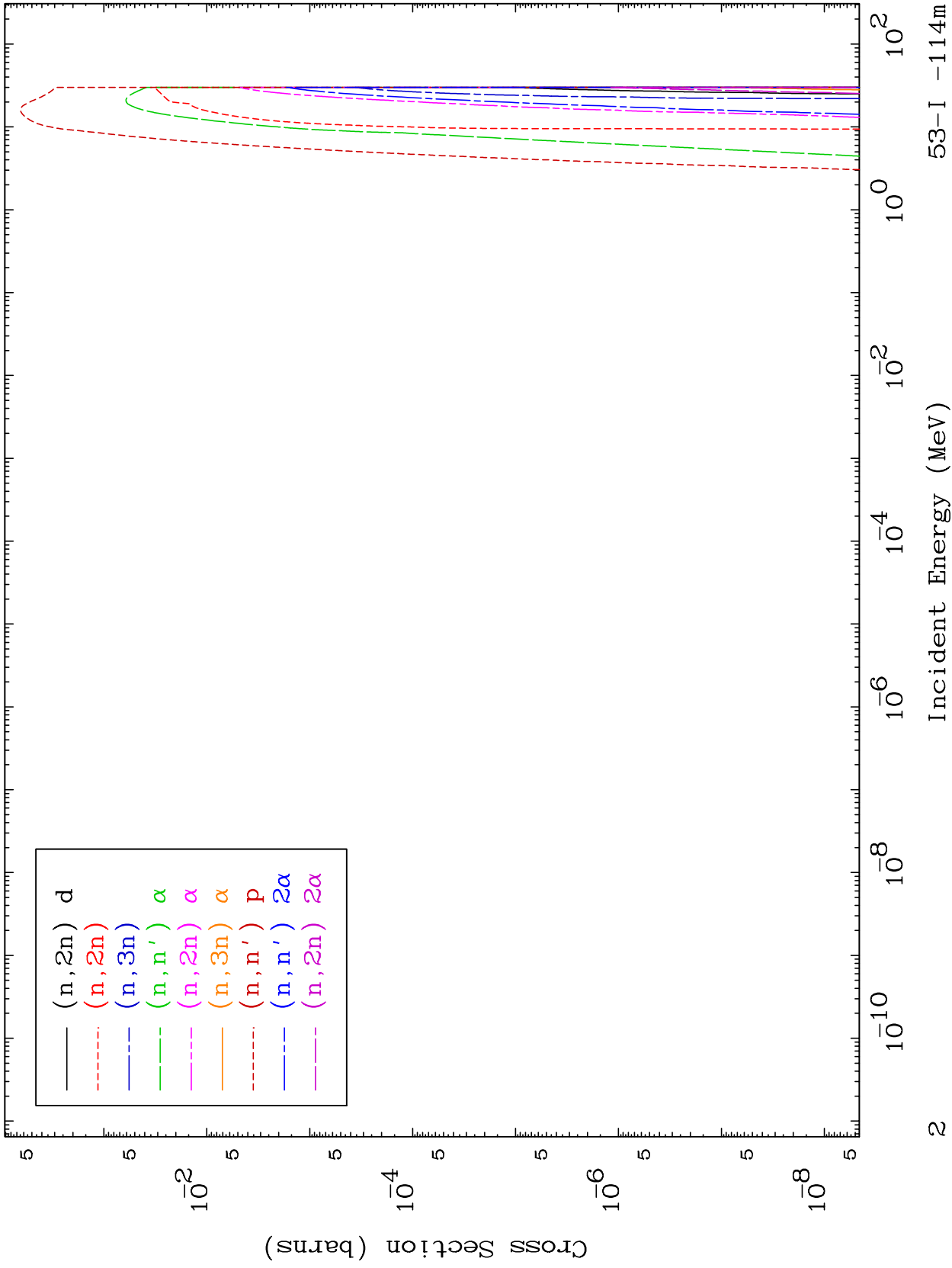
53-I -114m

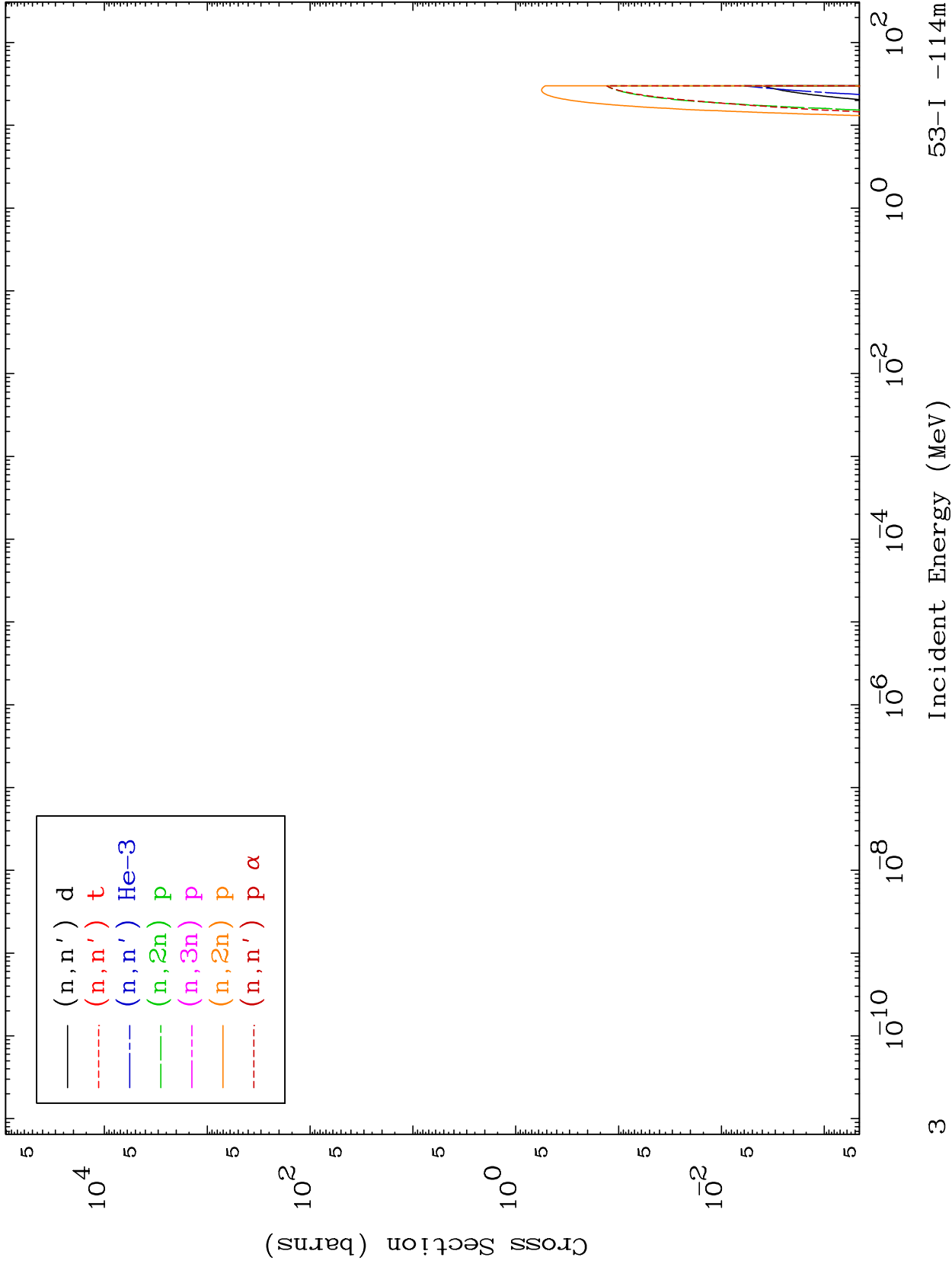


MAT 5287

Neutron Absorption
293 Kelvin Cross Sections

53-I -114m

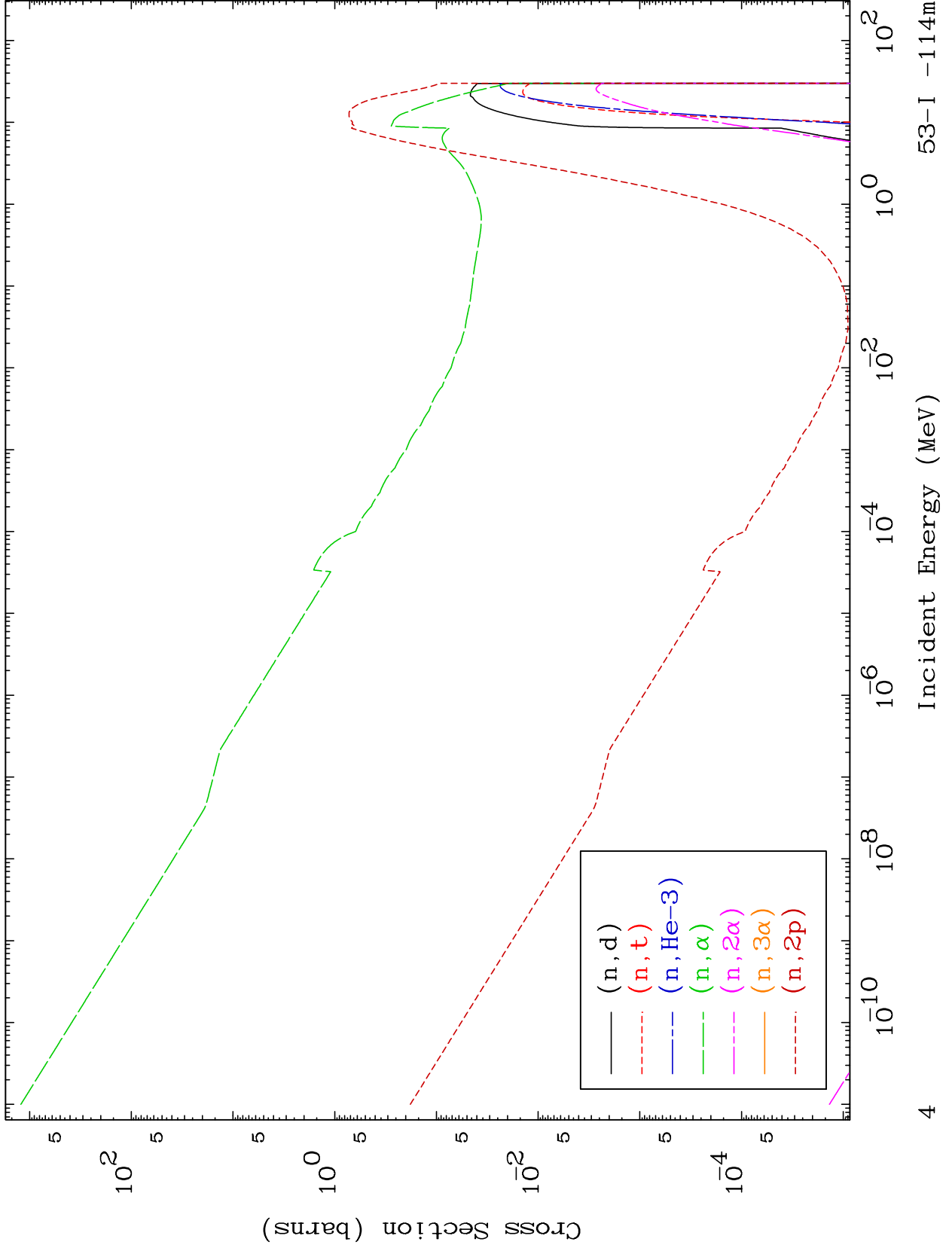


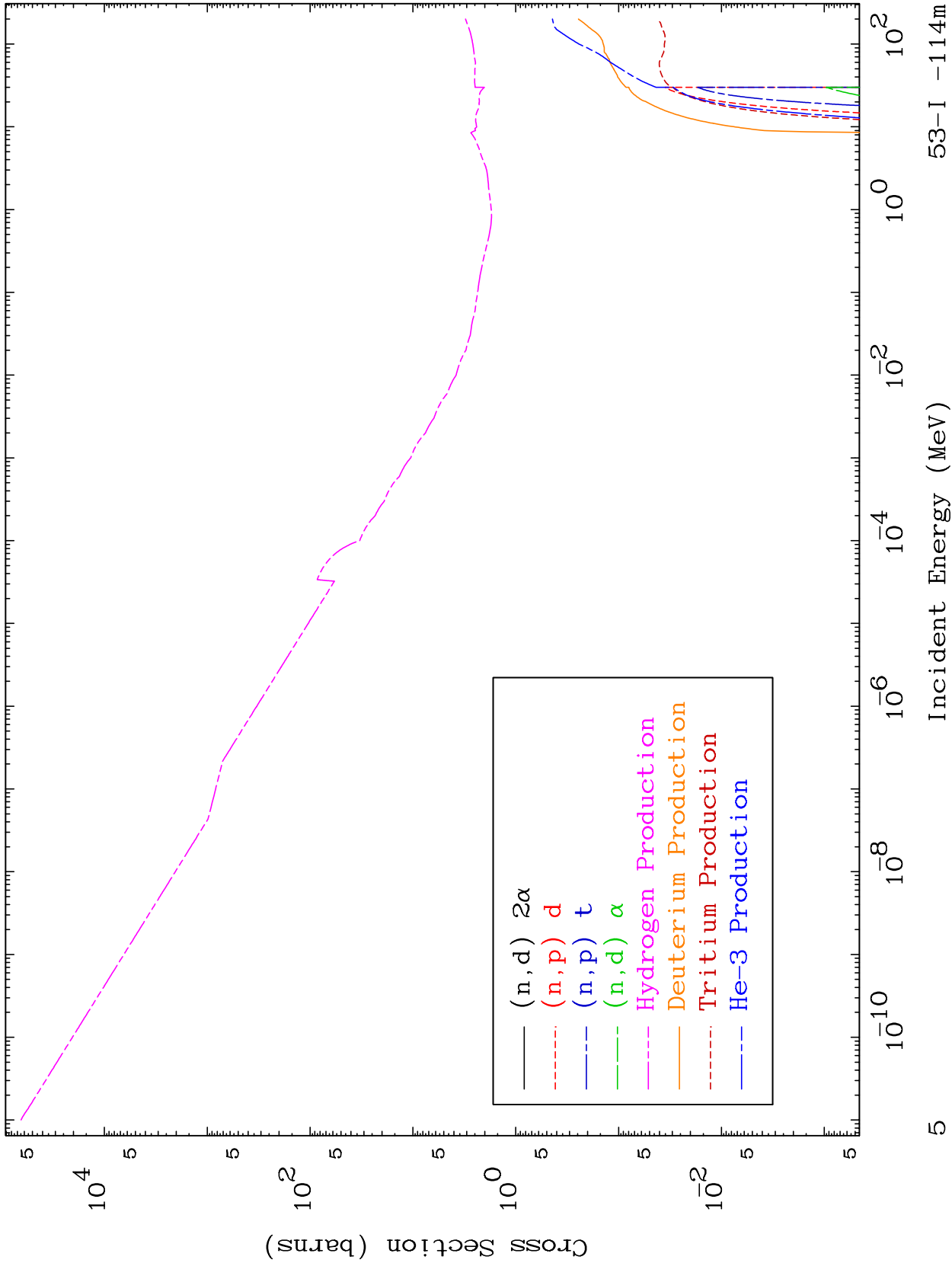


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Neutron Absorption
293 Kelvin Cross Sections

53-I -114m

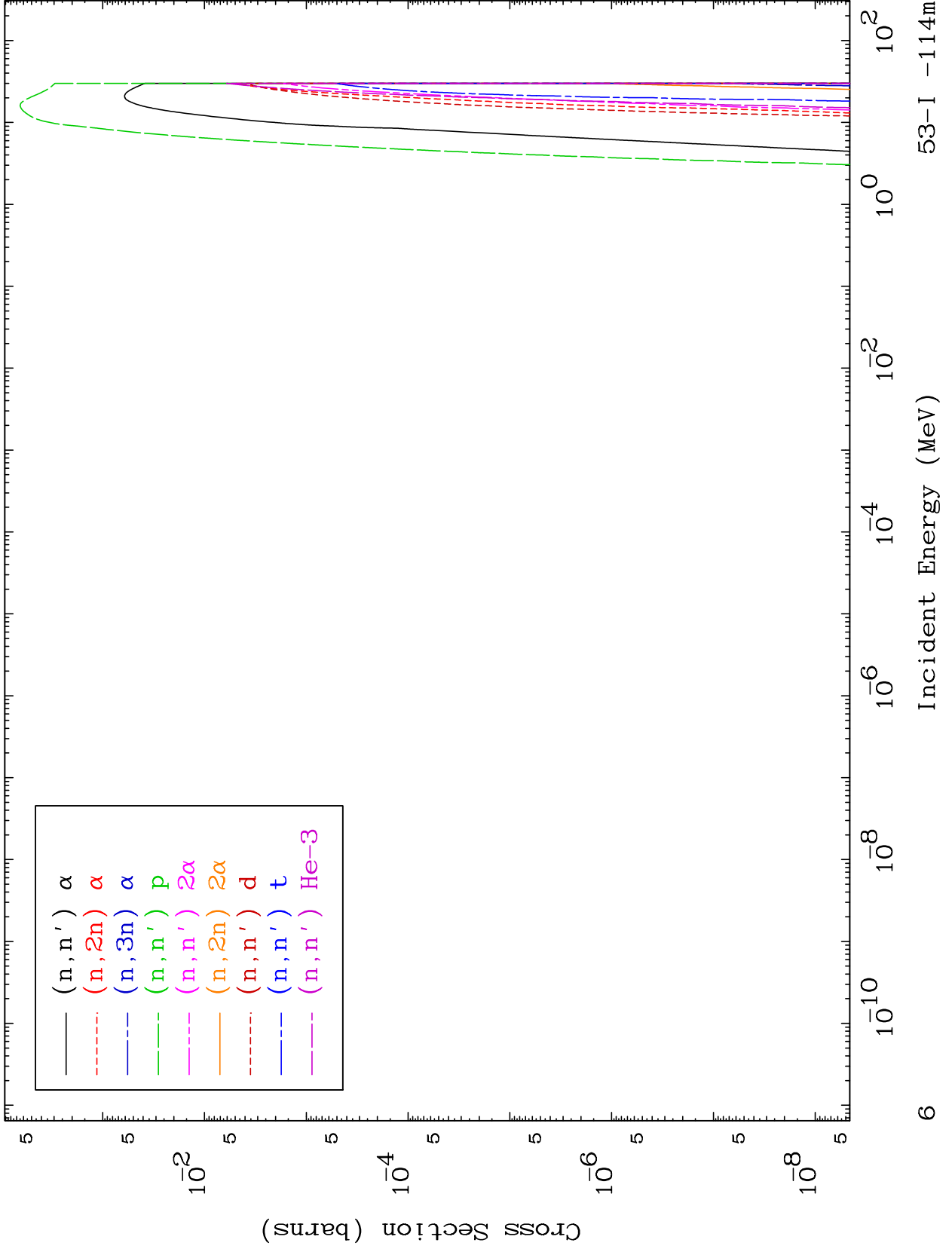




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Charged Particle
293 Kelvin Cross Sections

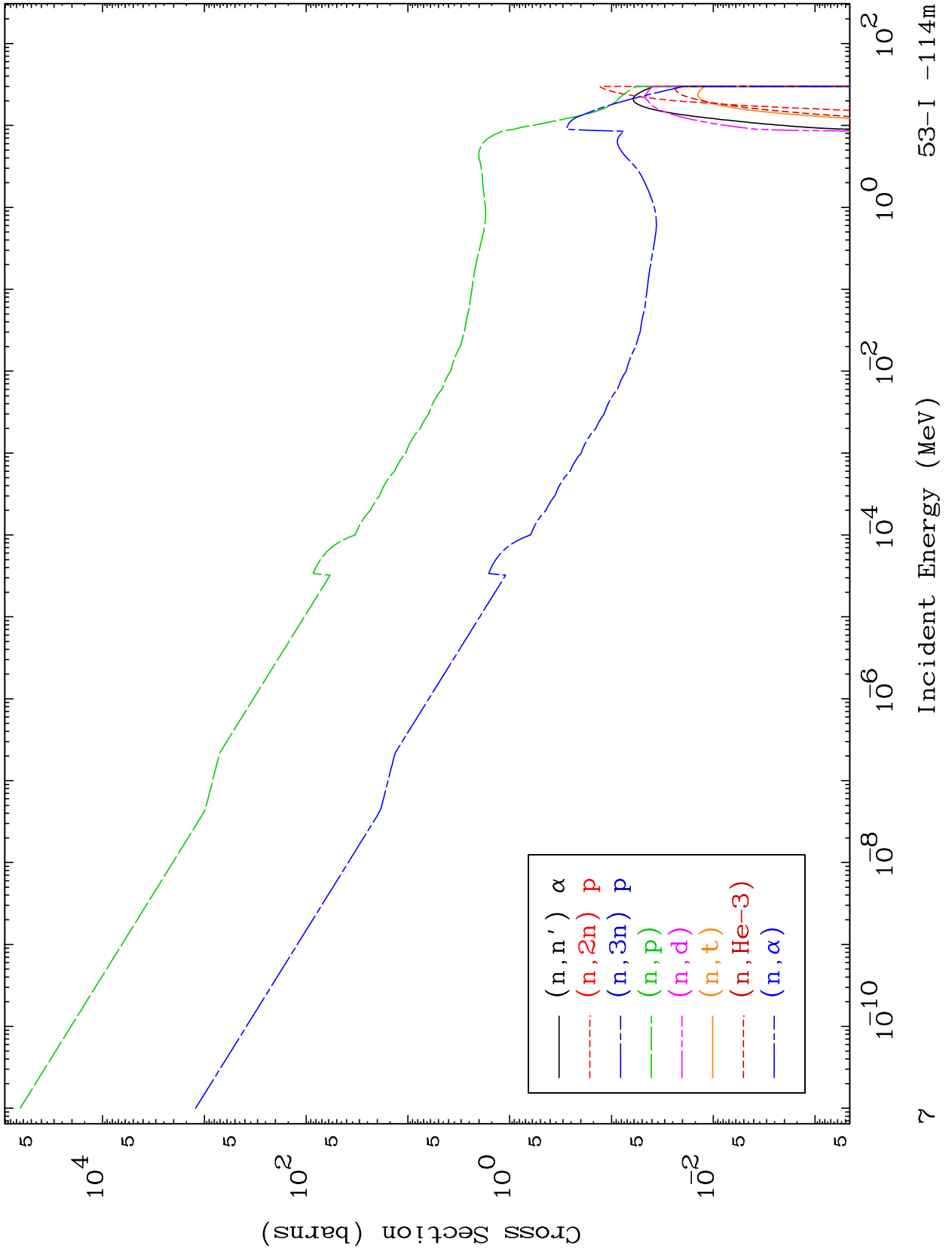
53-I -114m

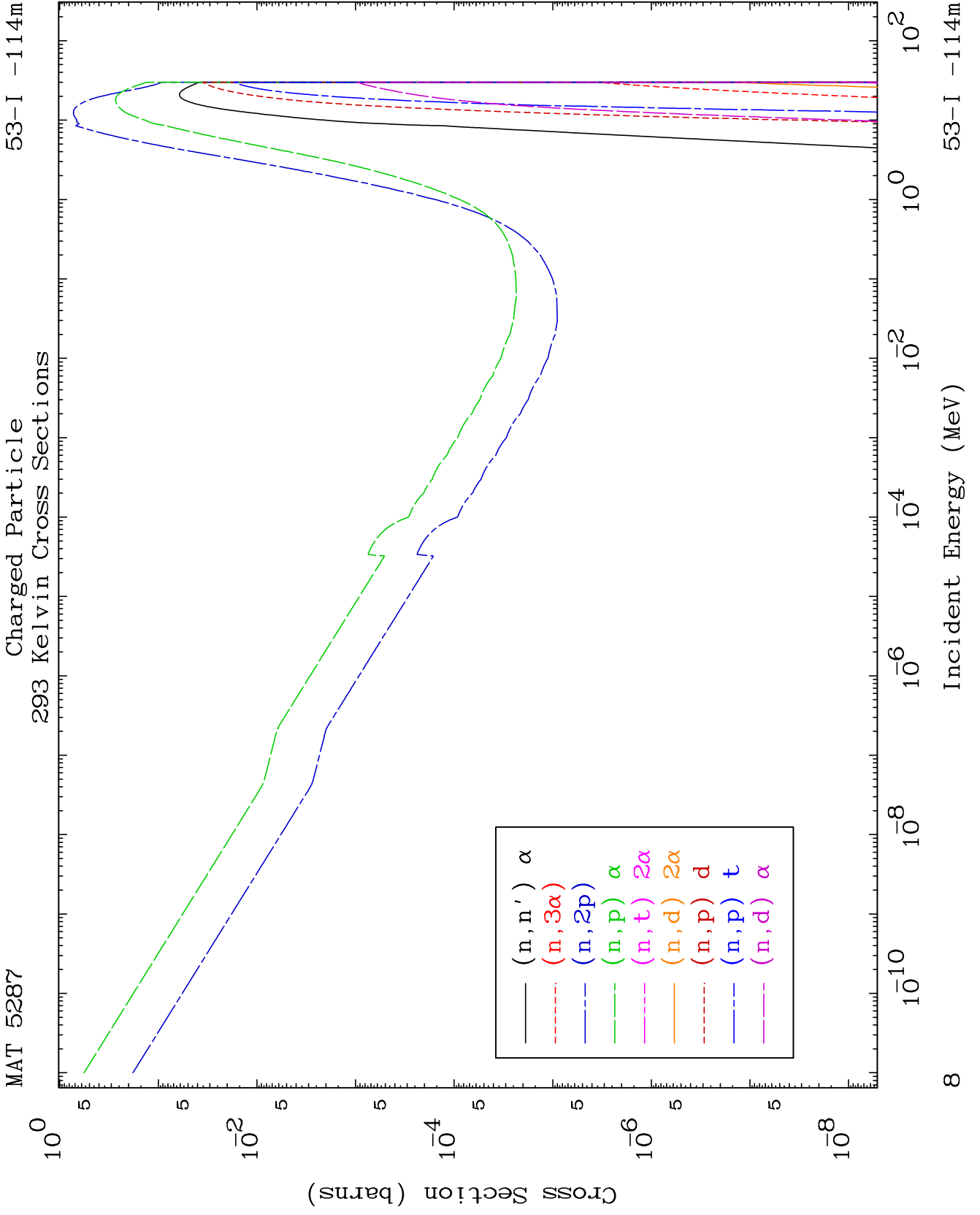


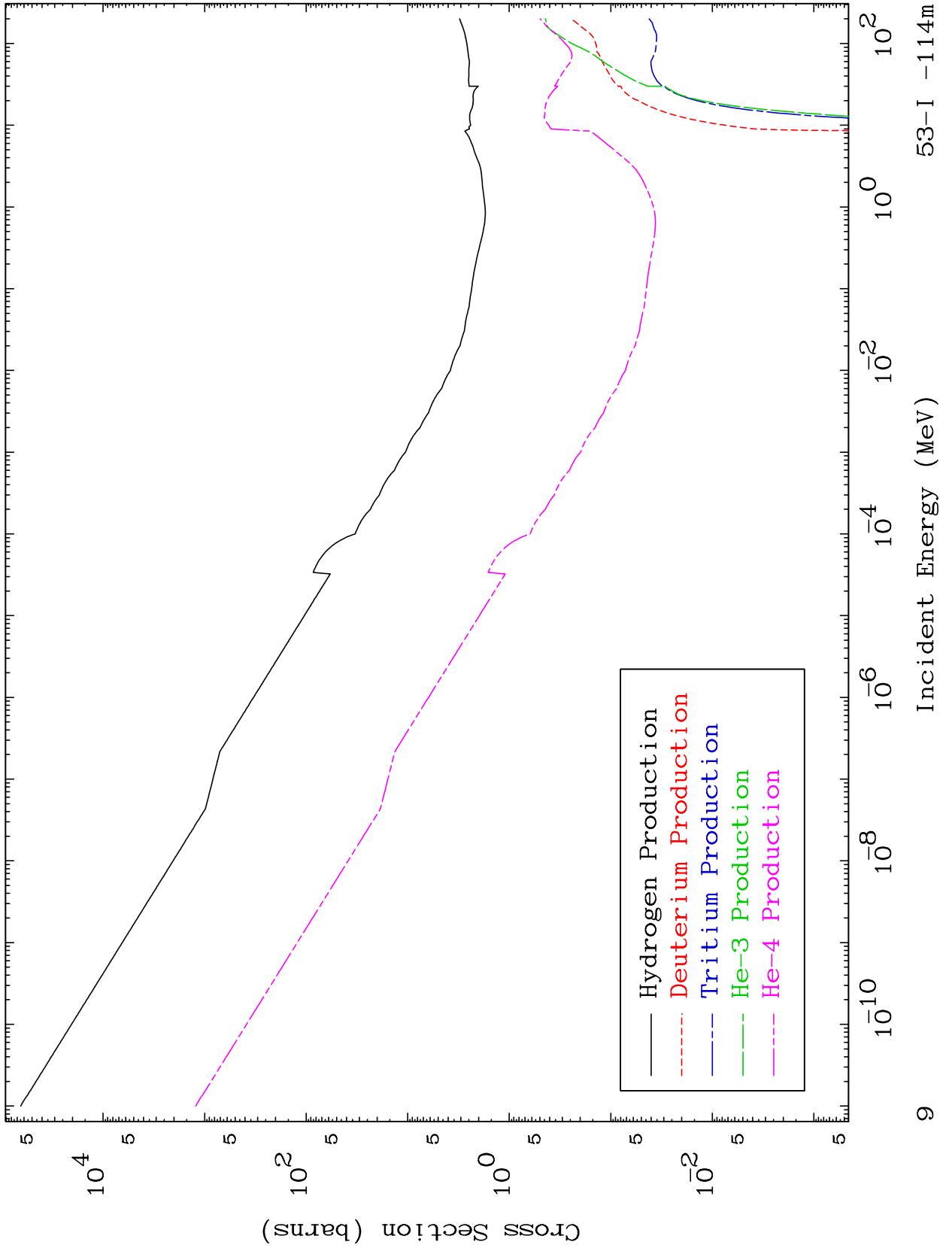
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Charged Particle
293 Kelvin Cross Sections

53-I -114m



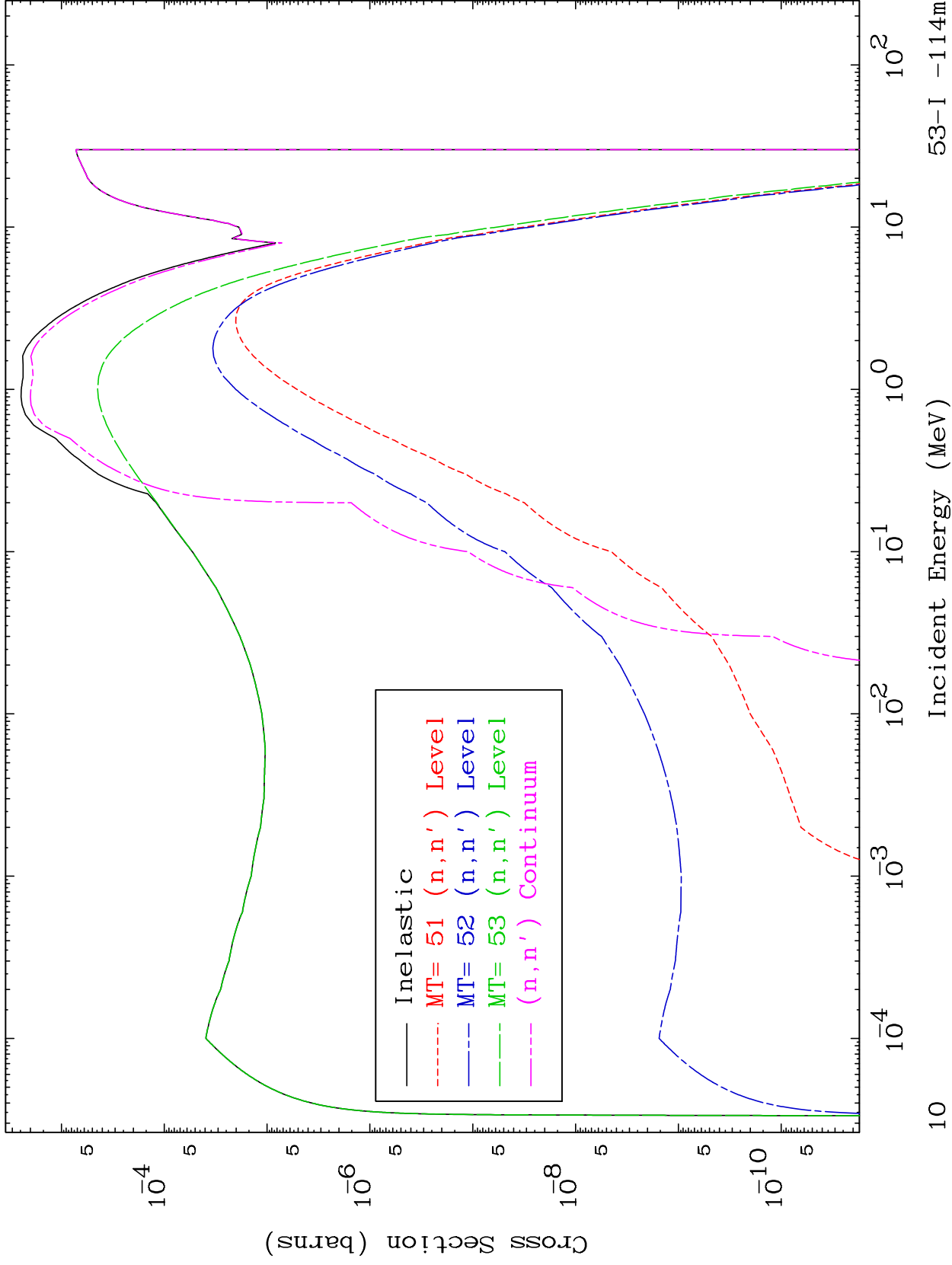




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(n,n') Levels
293 Kelvin Cross Sections

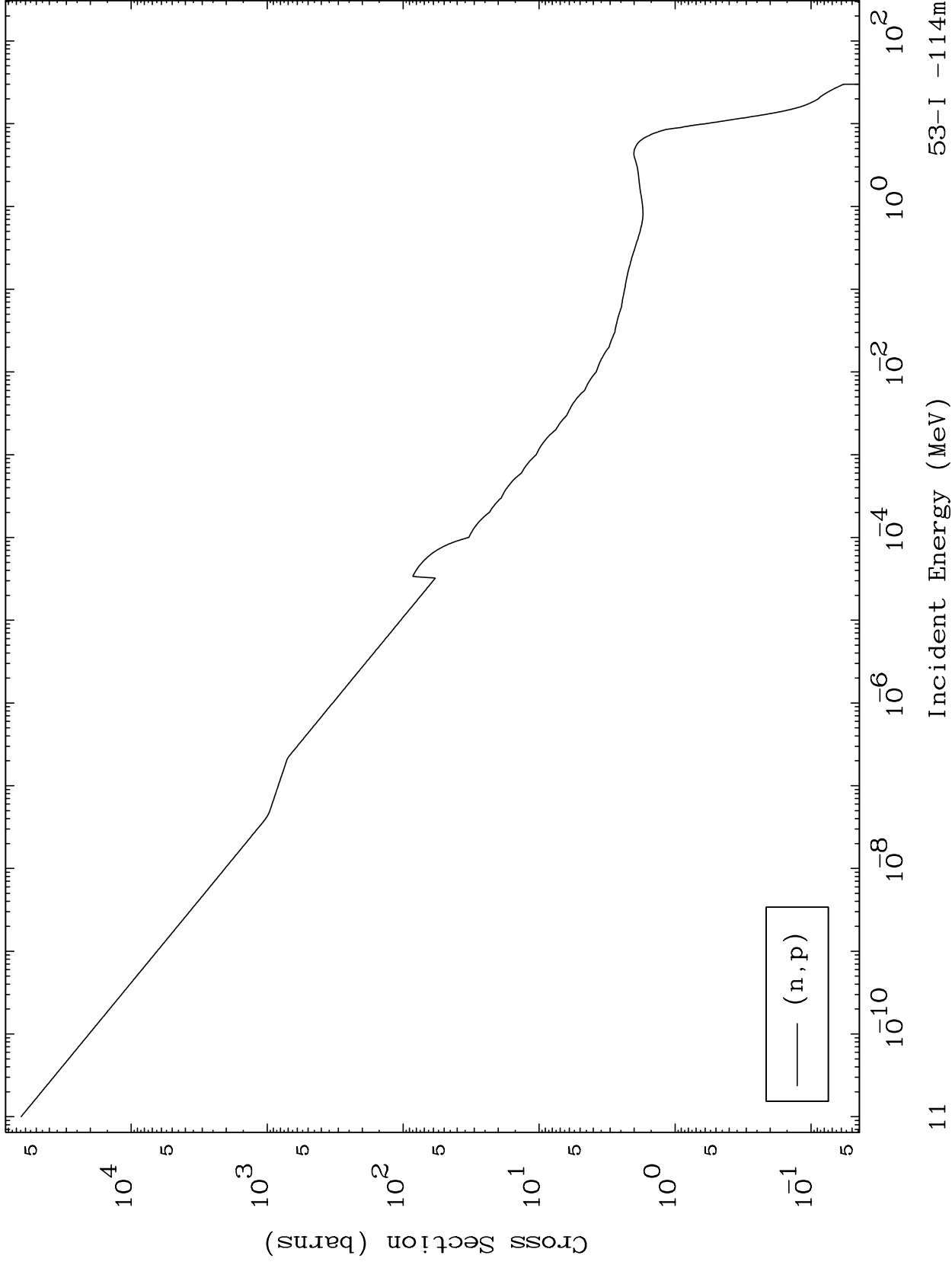
53-I -114m



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(n,p) Levels
293 Kelvin Cross Sections

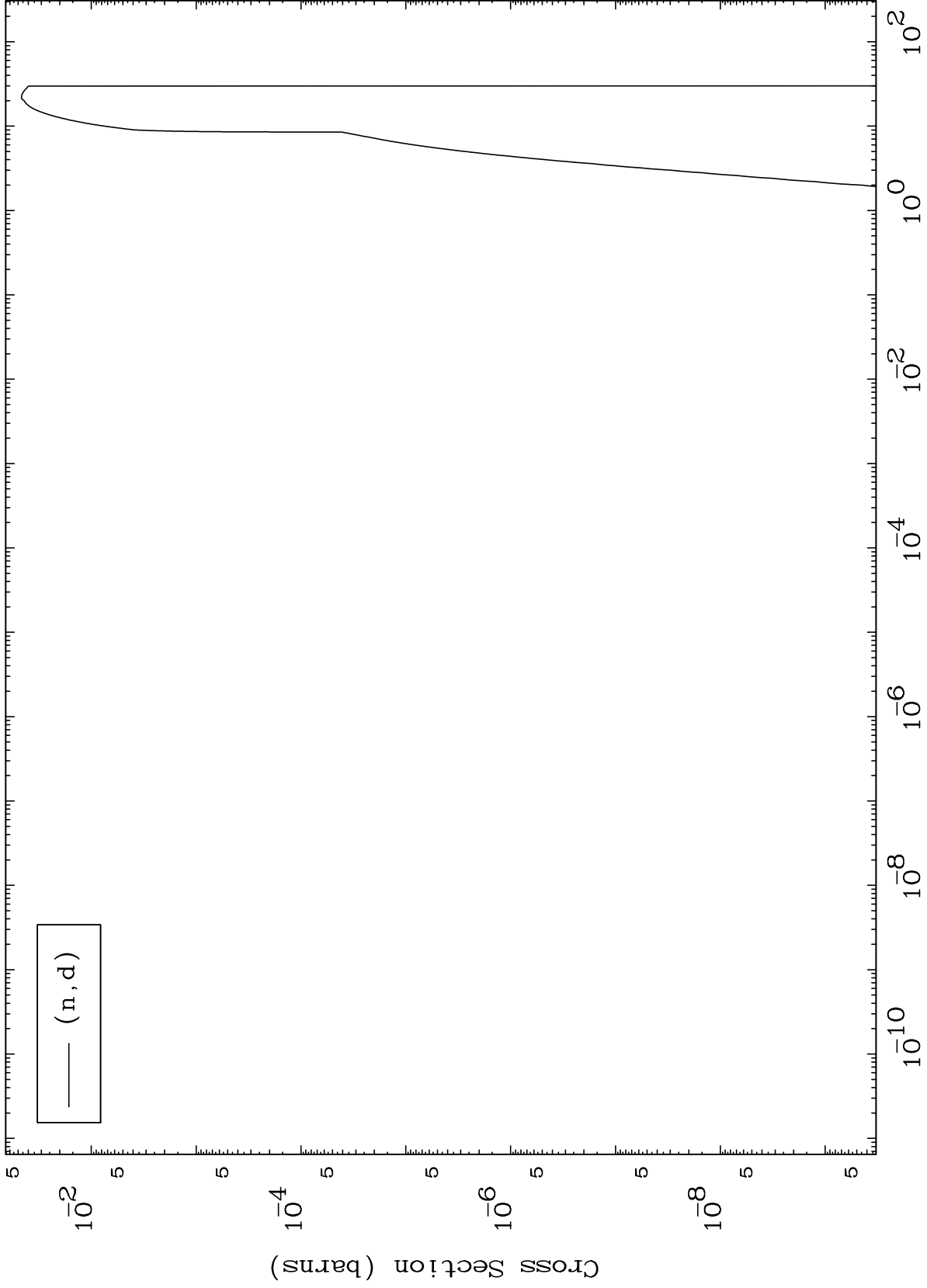
53-I -114m



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(n,d) Levels
293 Kelvin Cross Sections

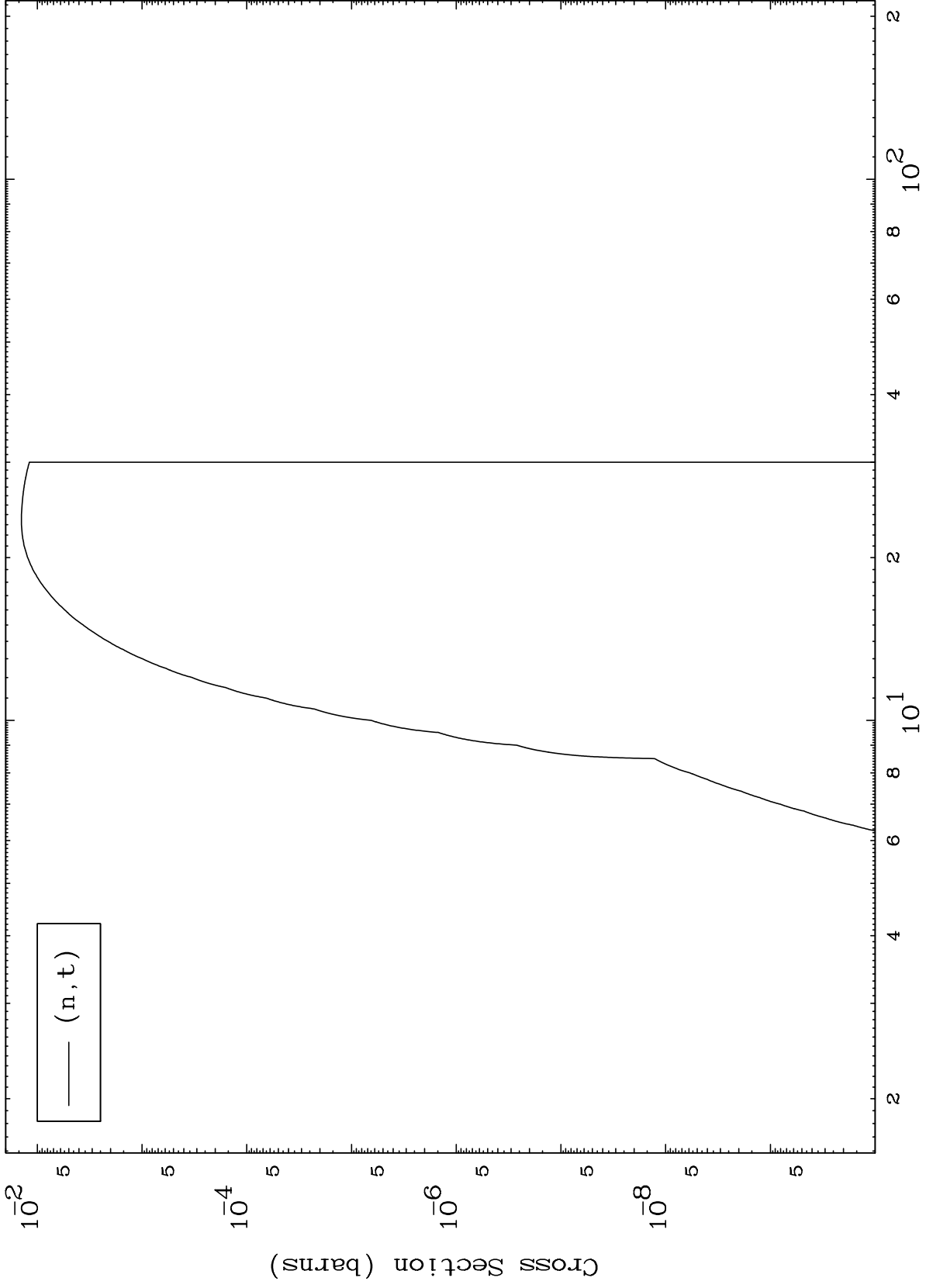
53-I -114m



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(n,t) Levels
293 Kelvin Cross Sections

53-I -114m



13

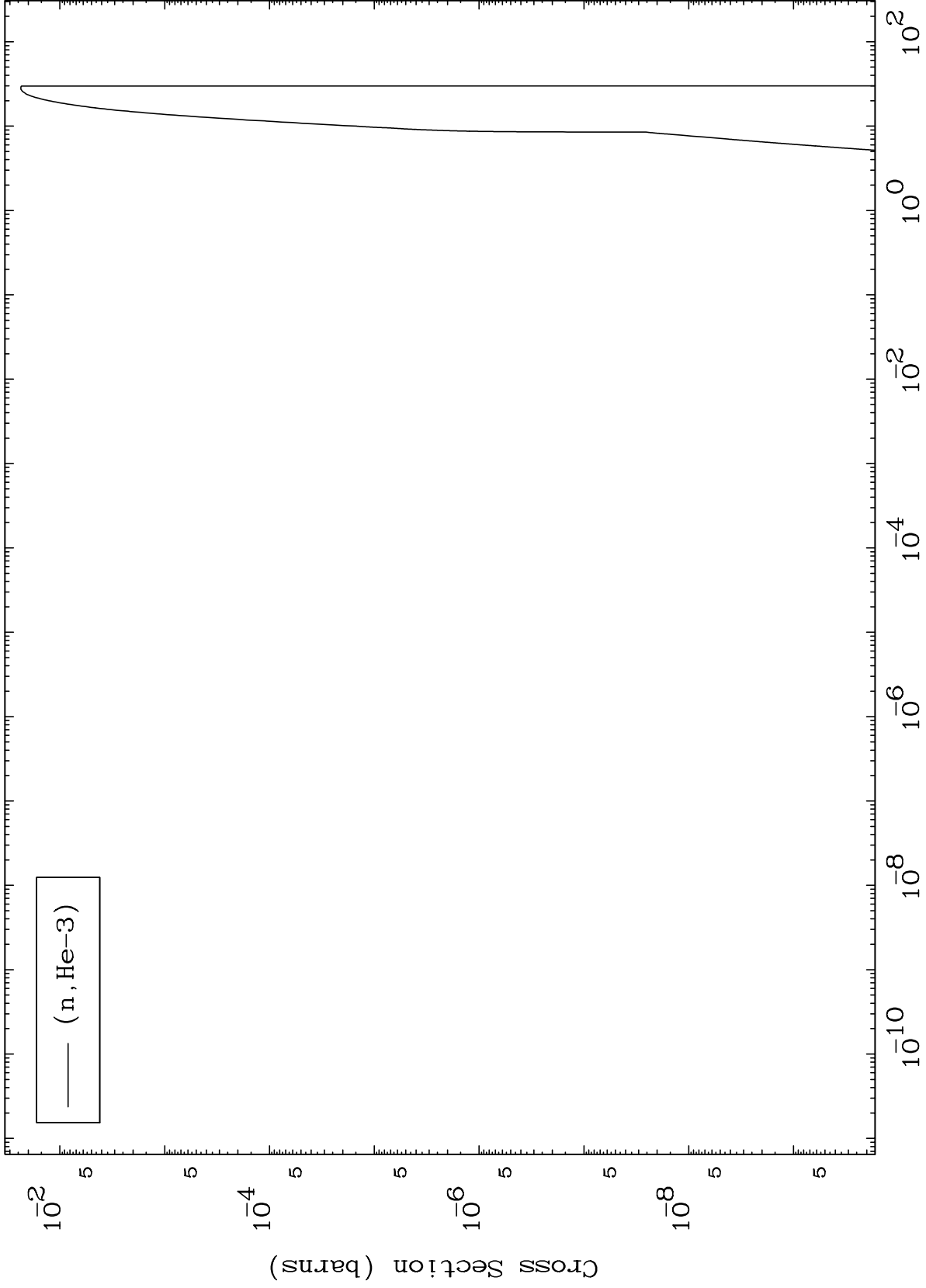
Incident Energy (MeV)

53-I -114m

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(n,He3) Levels
293 Kelvin Cross Sections

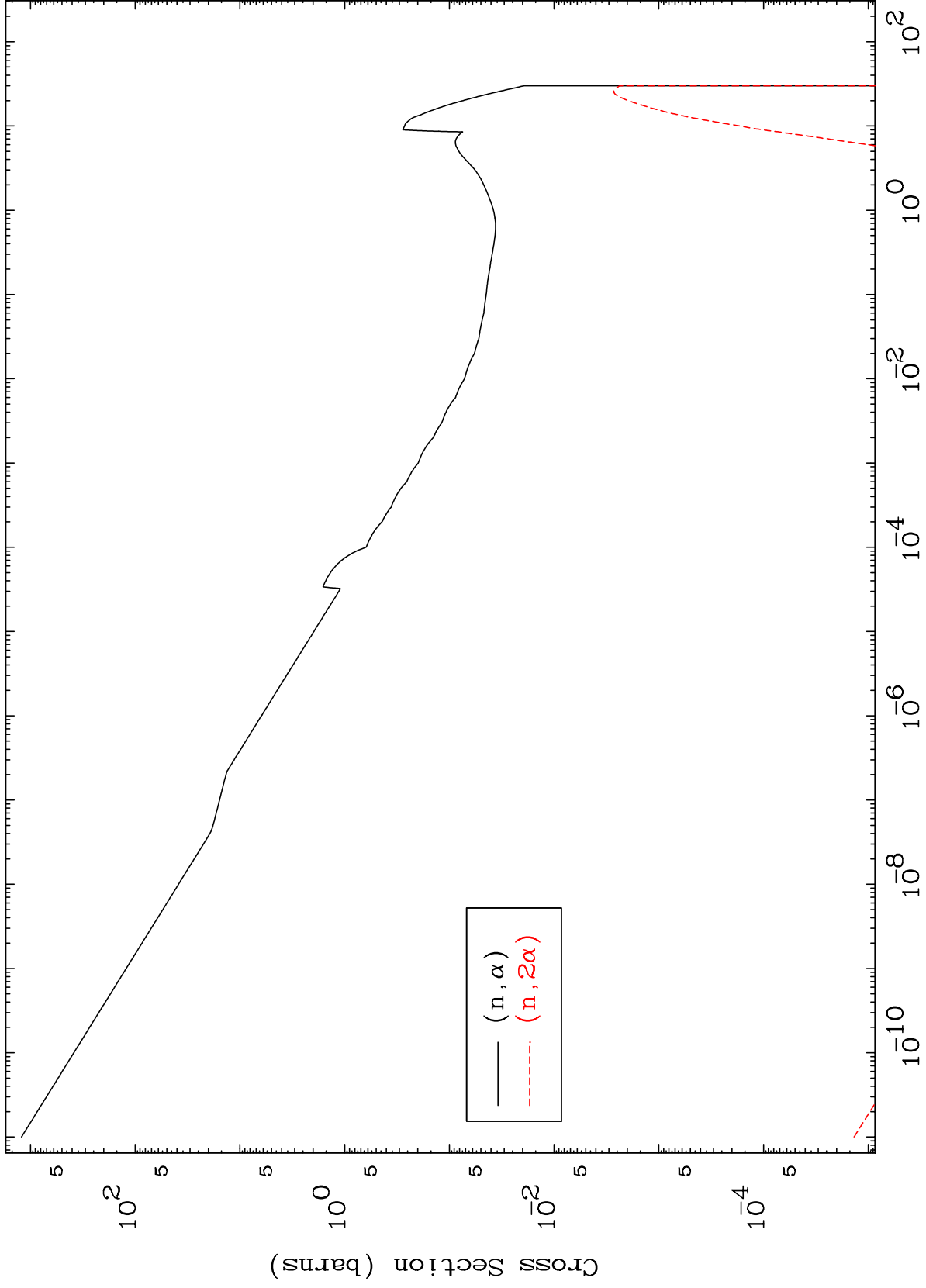
53-I -114m



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(n,α) Levels
293 Kelvin Cross Sections

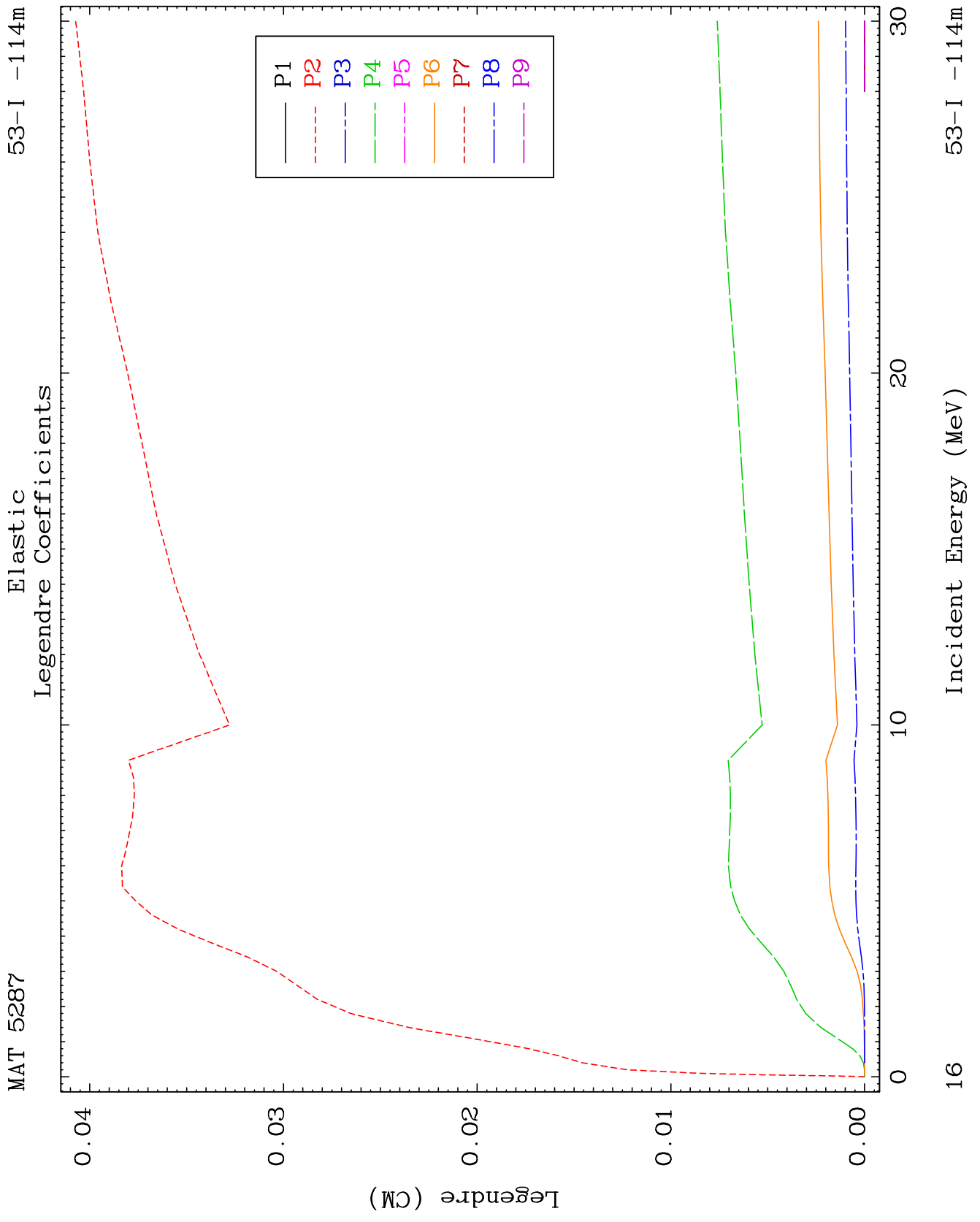
53-I -114m



15

Incident Energy (MeV)

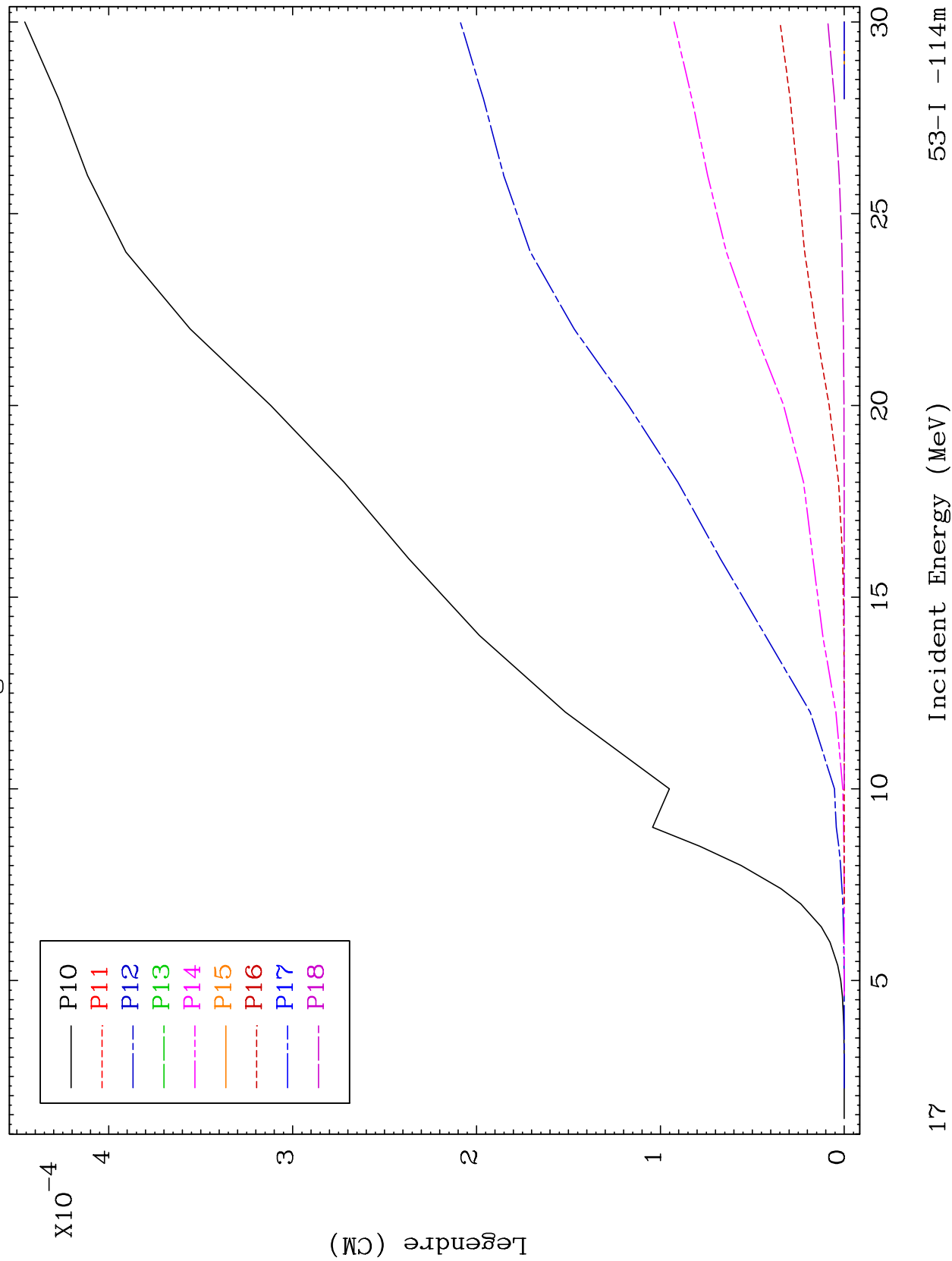
53-I -114m



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Elastic Legendre Coefficients

53-I -114m



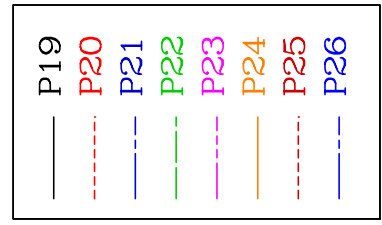
- P10
- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18

17

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Elastic
Legendre Coefficients

53-I -114m



$\times 10^{-7}$

Legendre (CM)

4

3

2

1

0

15

20

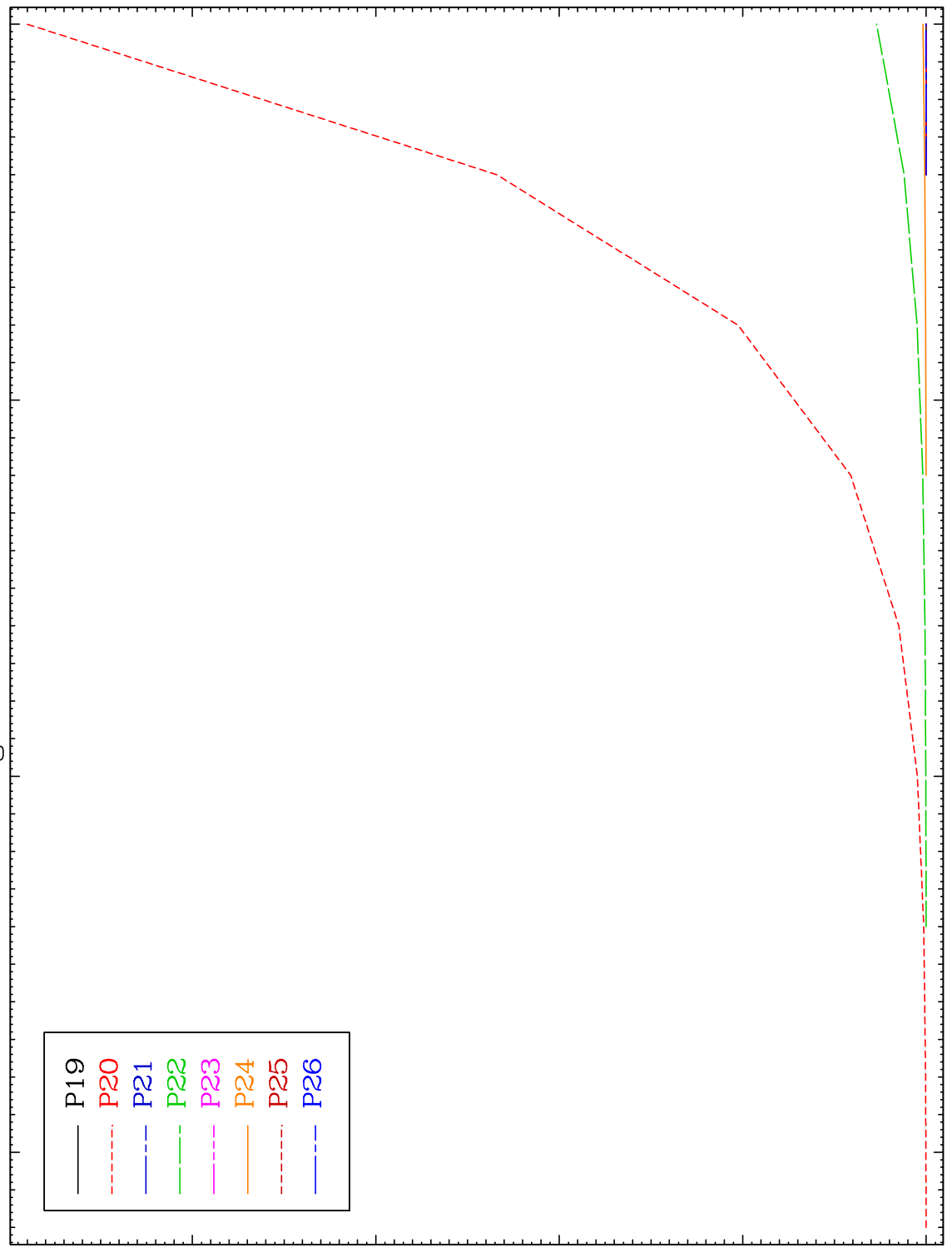
25

30

18

Incident Energy (MeV)

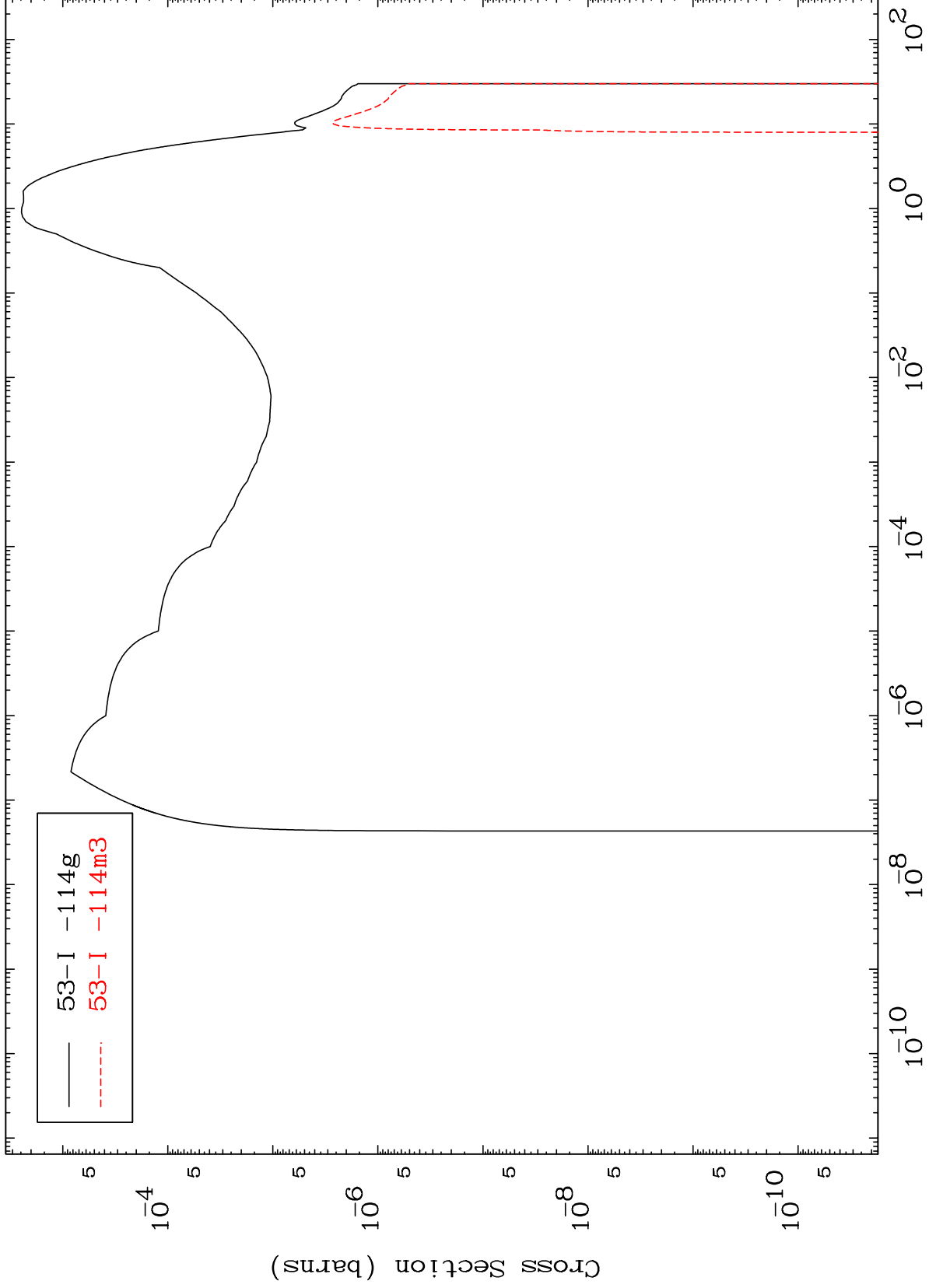
53-I -114m



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53-I -114m

Inelastic
Radionuclide Production Cross Section

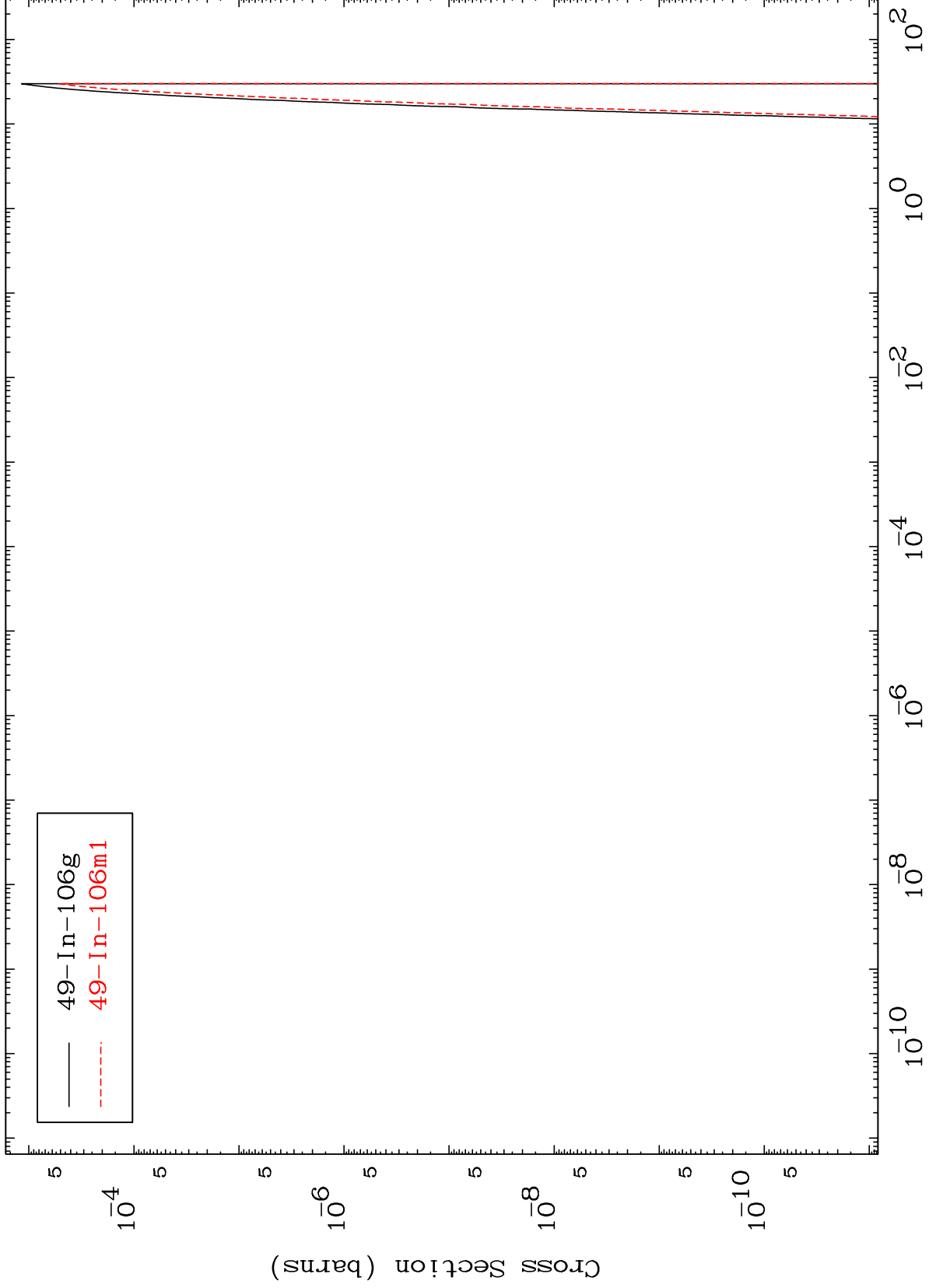


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(n,n') 2α

53-I -114m

Radionuclide Production Cross Section



20

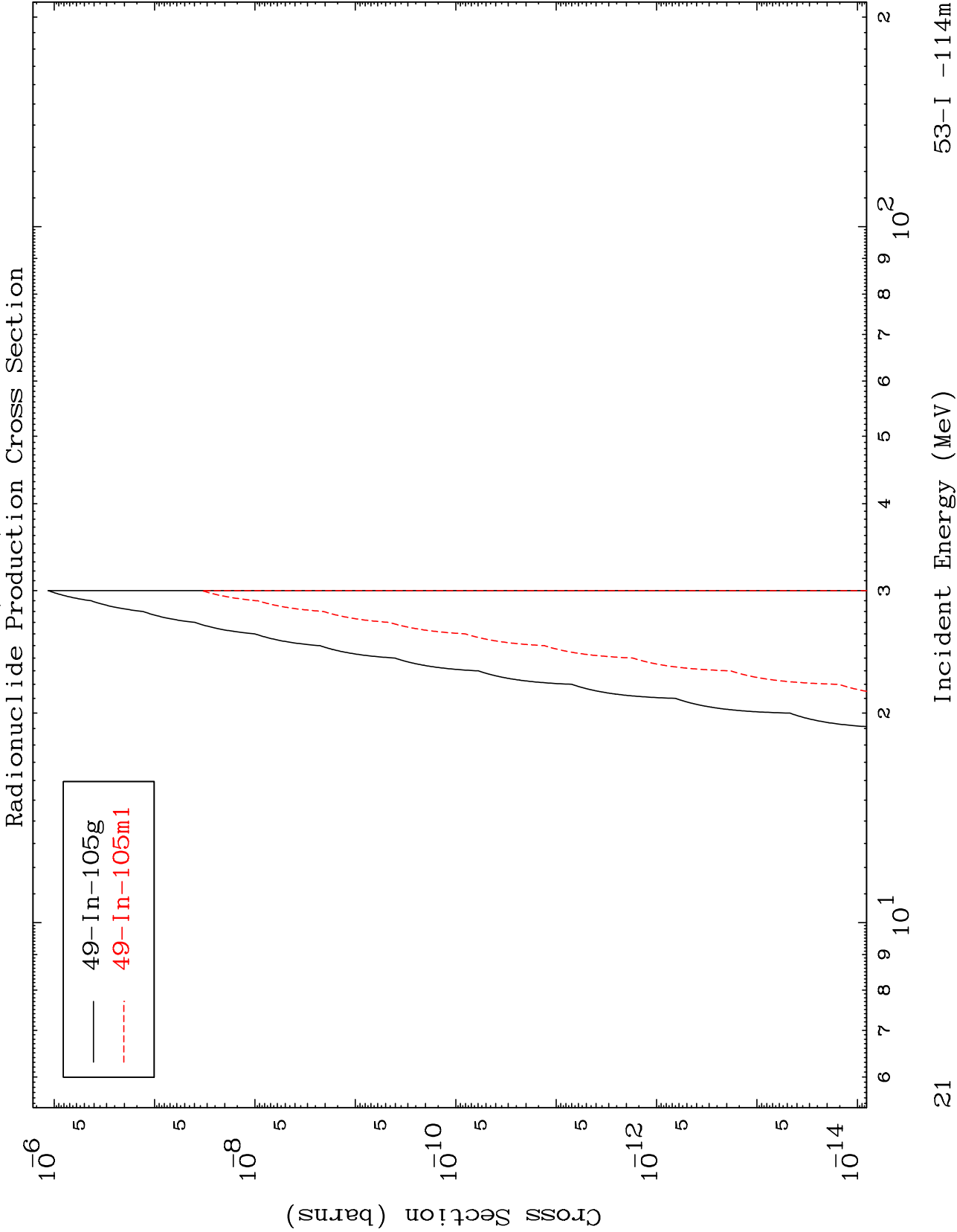
Incident Energy (MeV)

53-I -114m

MAT 5287

(n,2n) 2α

53-I -114m

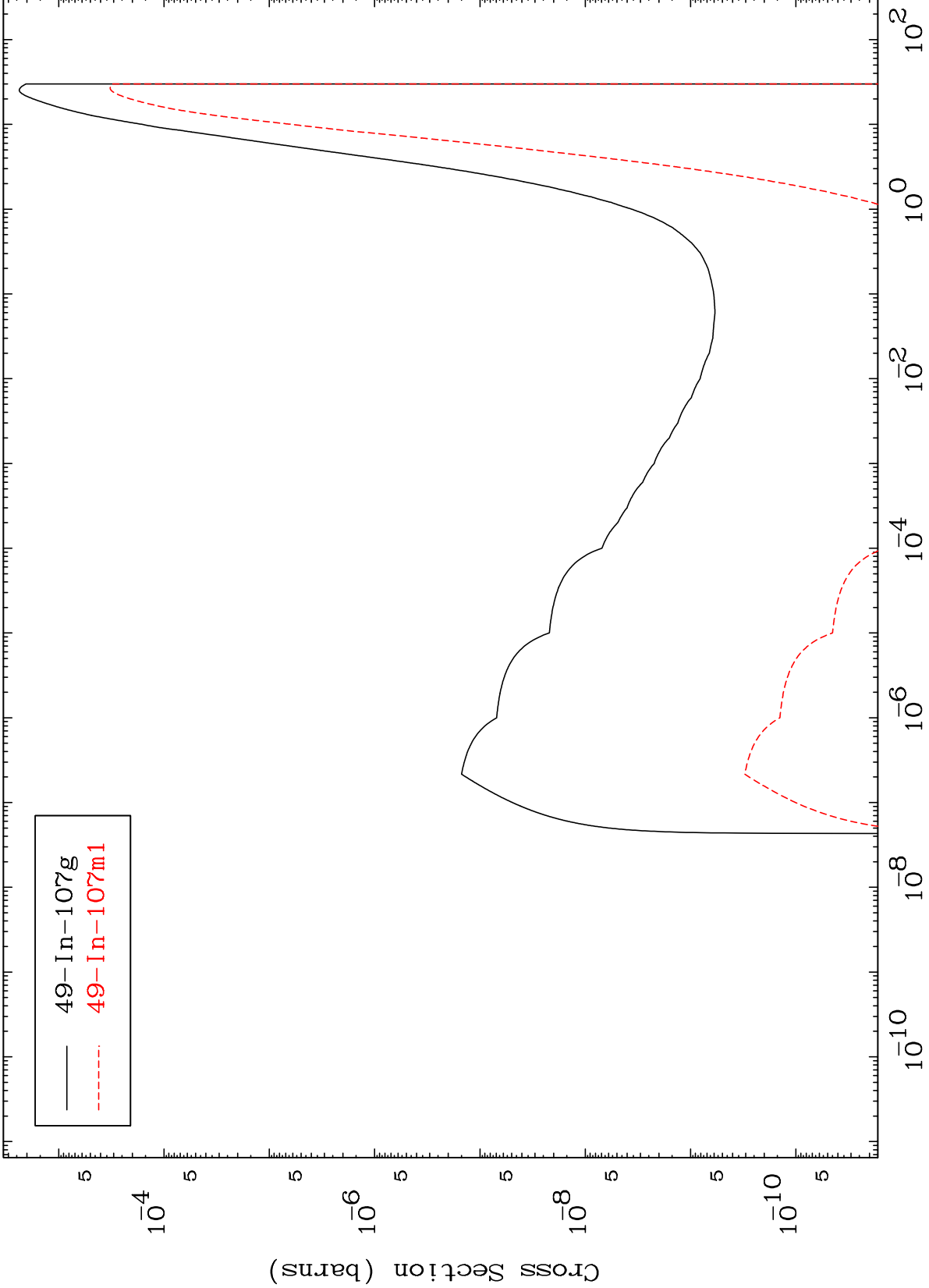
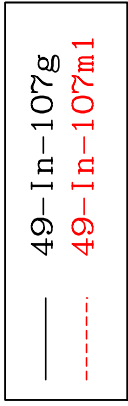


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53-I -114m

53-I -114m

Radionuclide Production Cross Section



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(n,3α)

53-I -114m

Radionuclide Production Cross Section

