

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

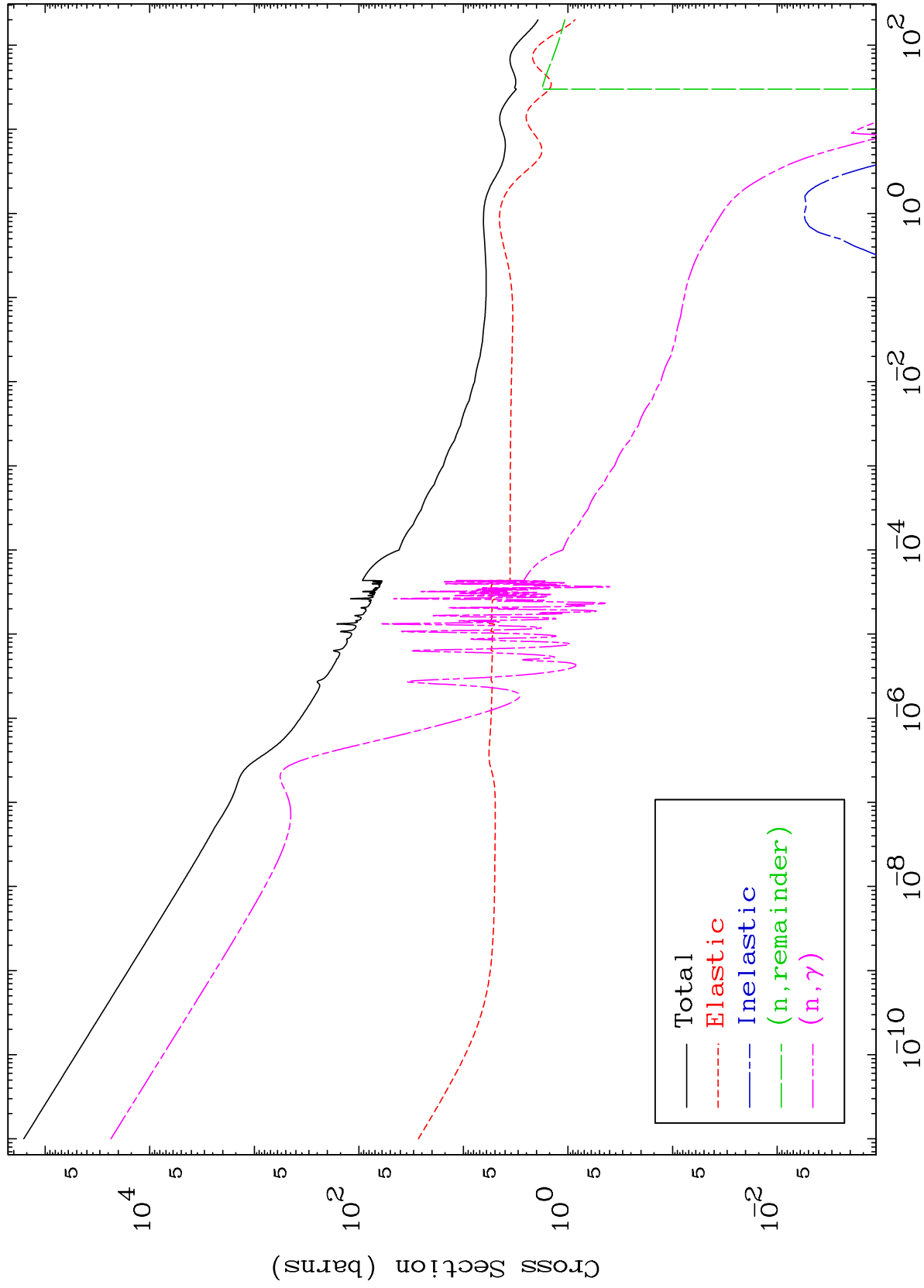
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E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

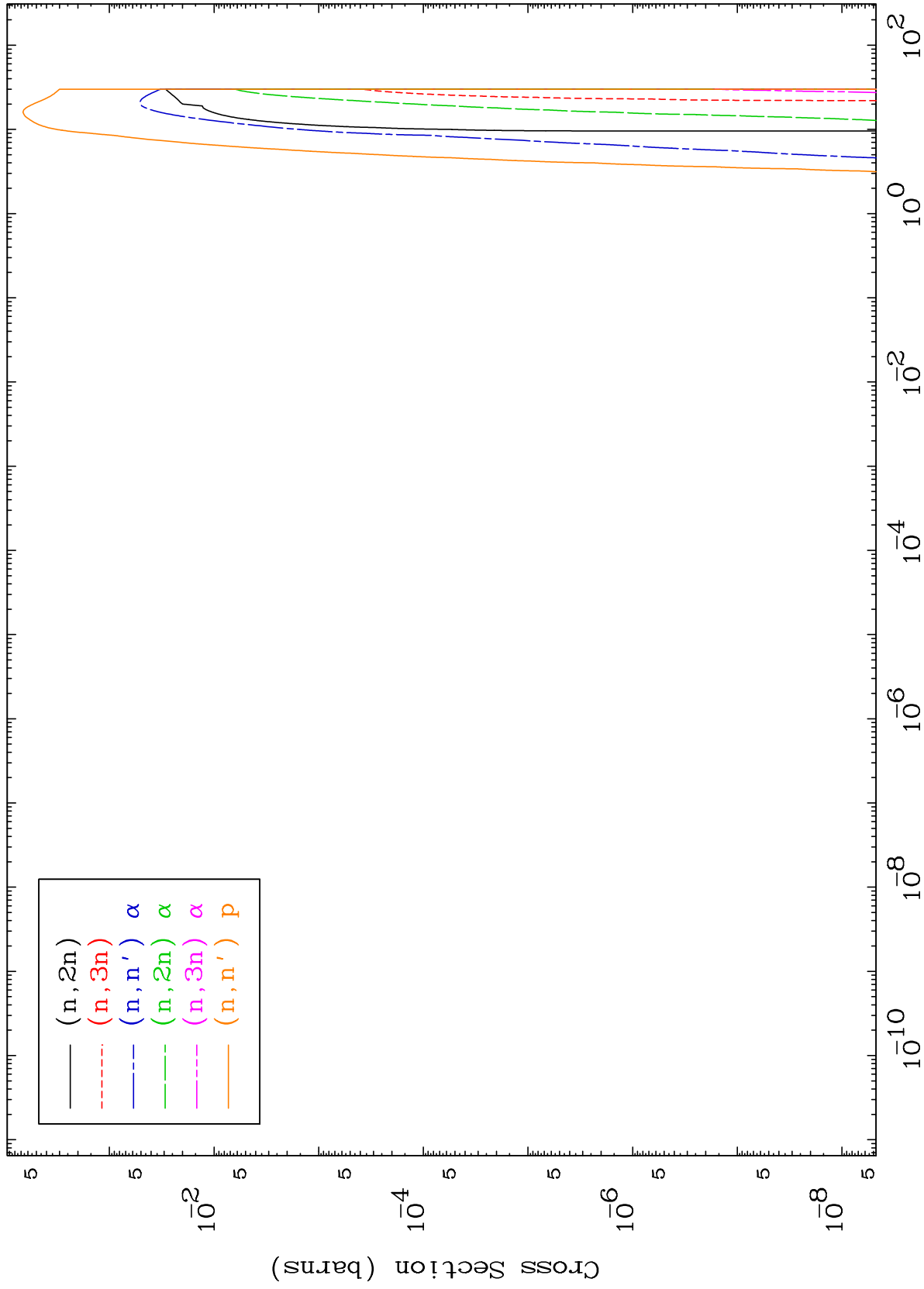
Press Mouse Button to Start



MAT 5287

Neutron Production
293 Kelvin Cross Sections

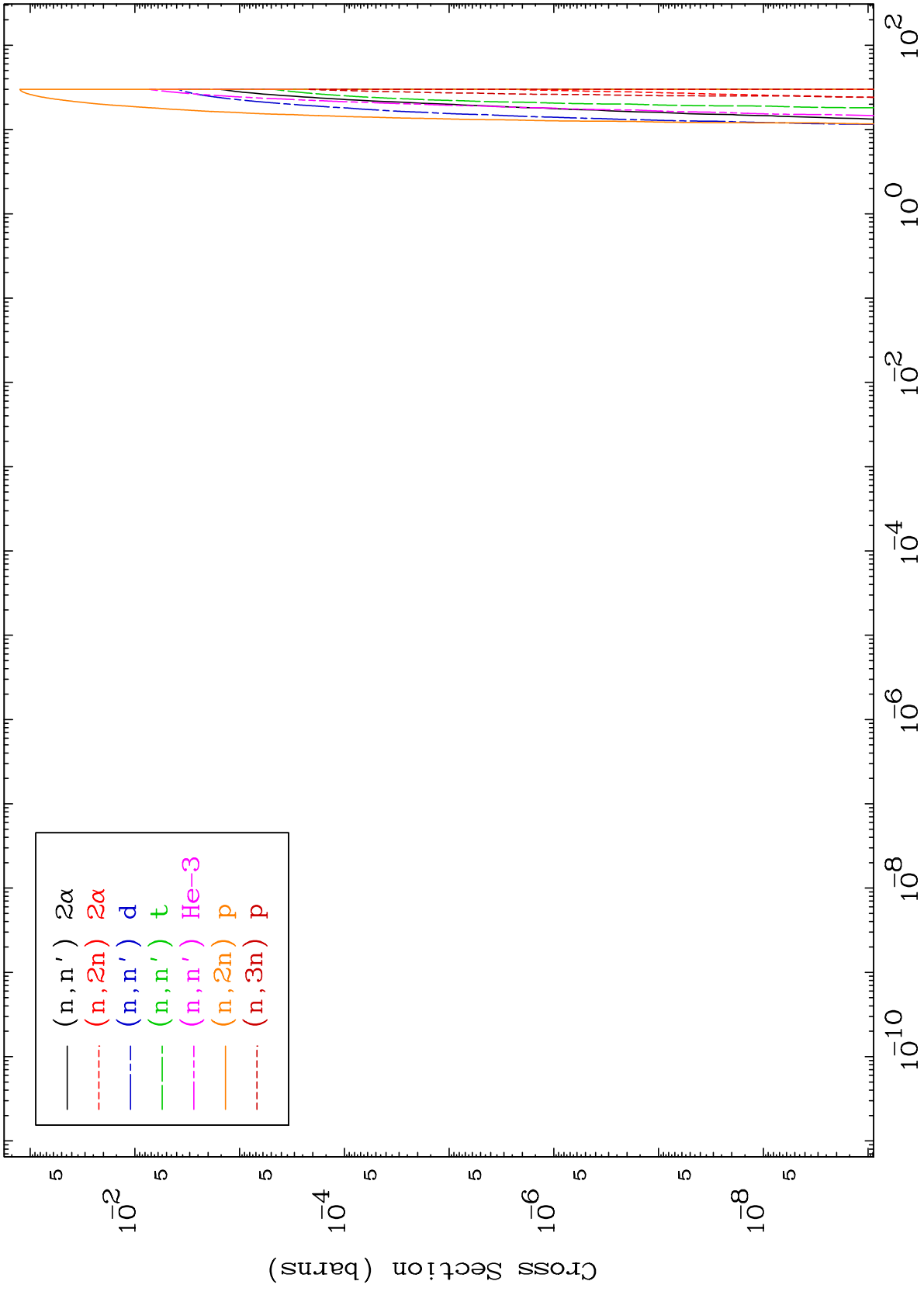
53-I -114

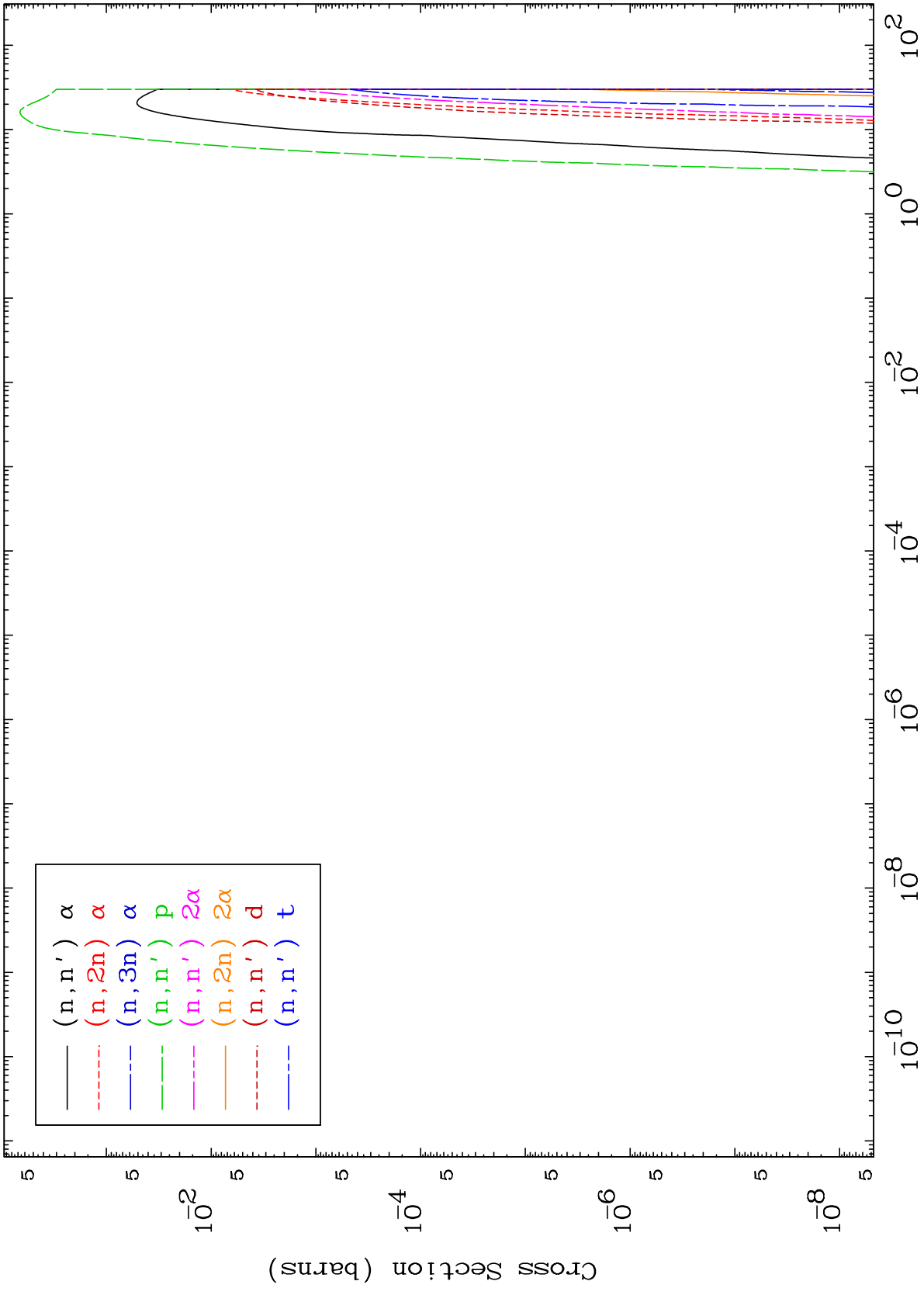


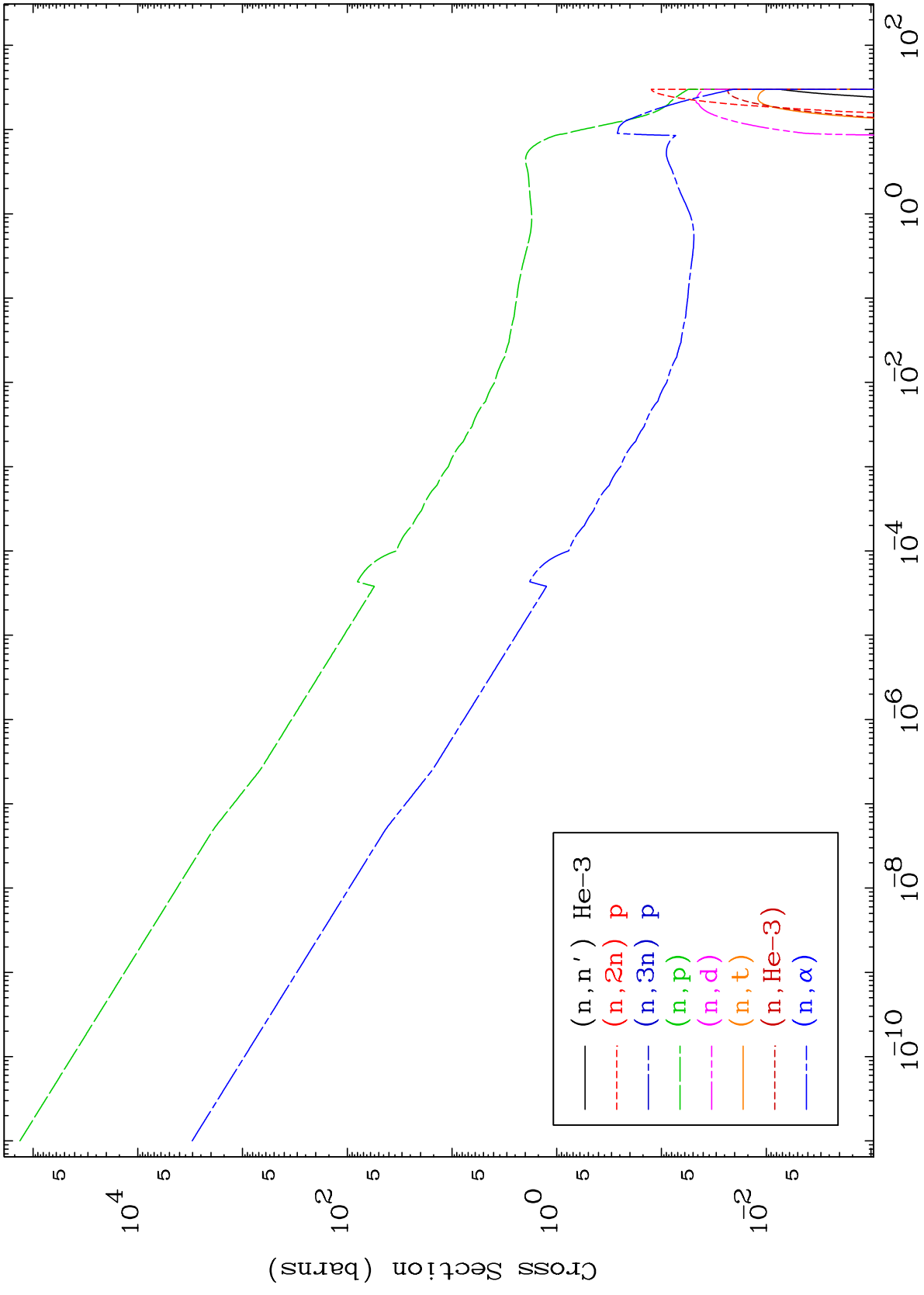
2

Incident Energy (MeV)

53-I -114



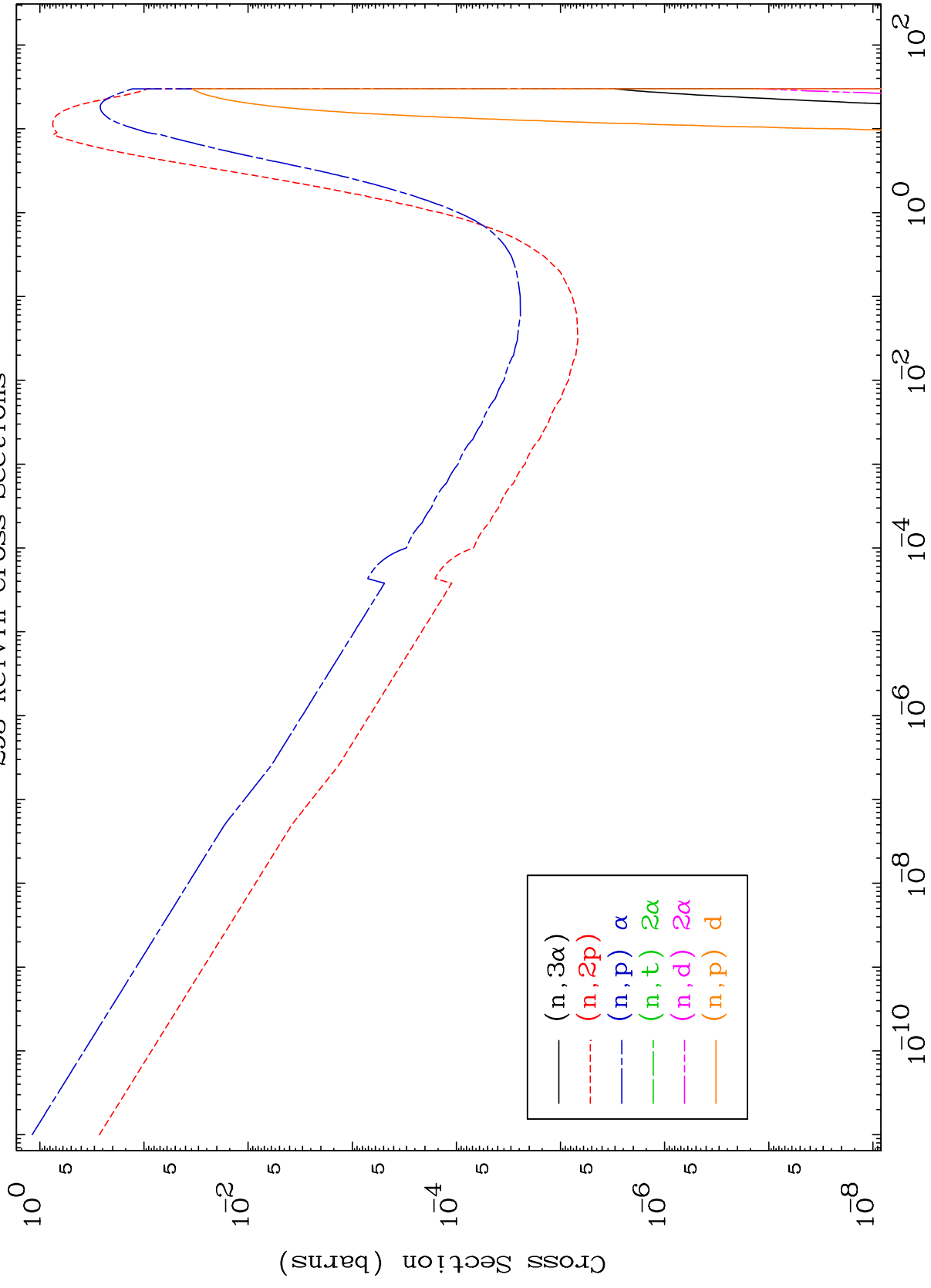


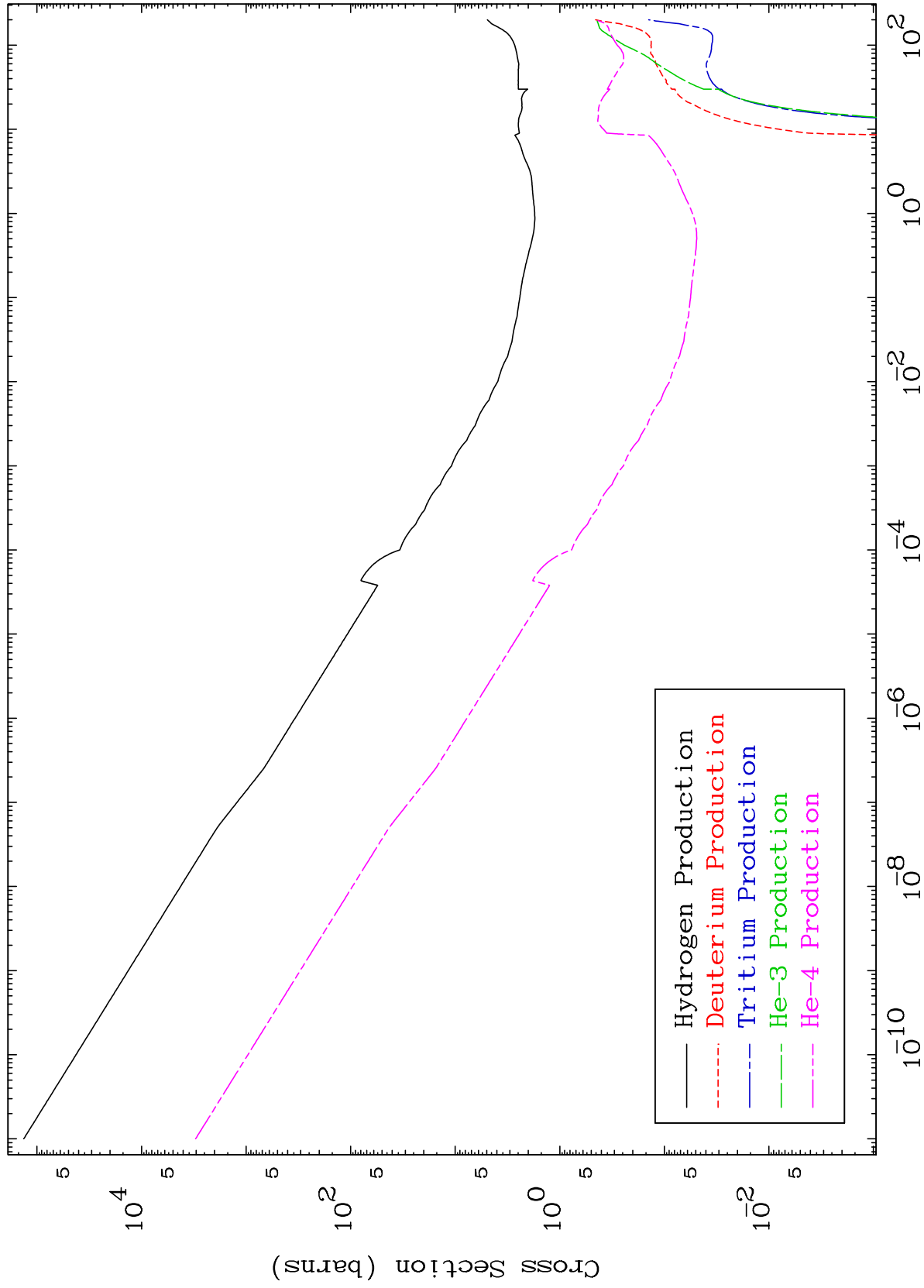


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293 Kelvin Cross Sections

53-I -114

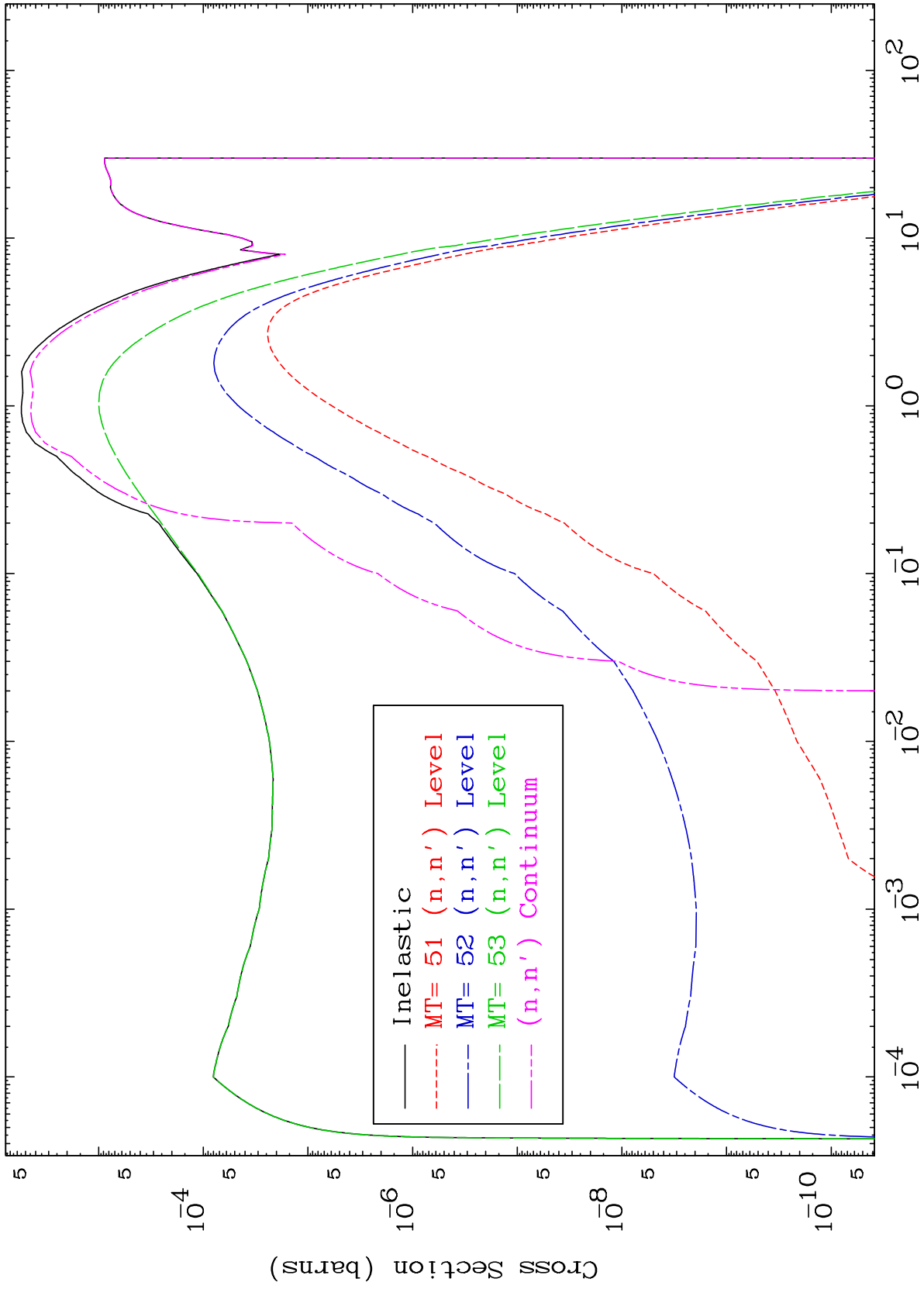




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293 Kelvin Cross Sections
(n,n') Level

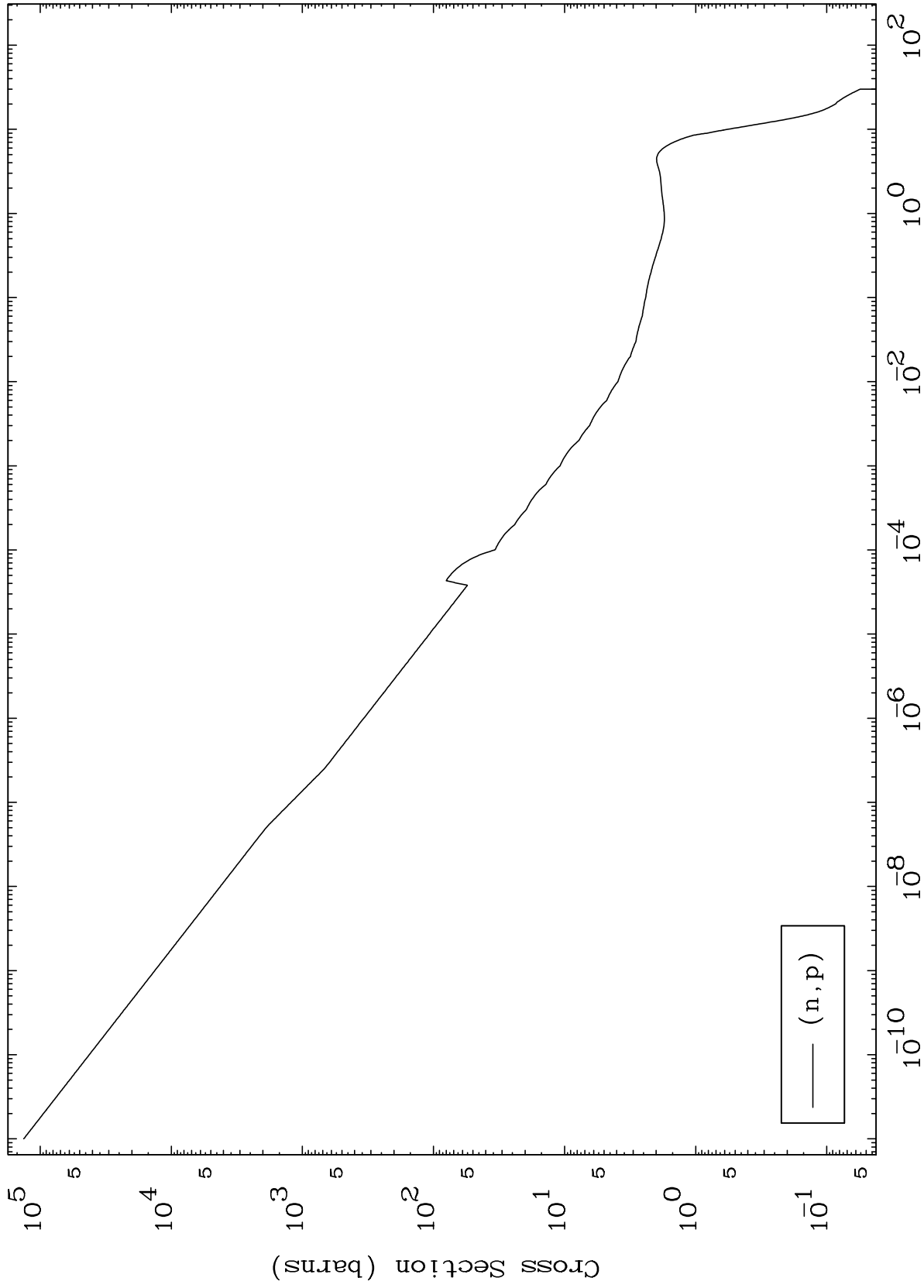
53-I -114



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(n,p) Levels
293 Kelvin Cross Sections

53-I -114

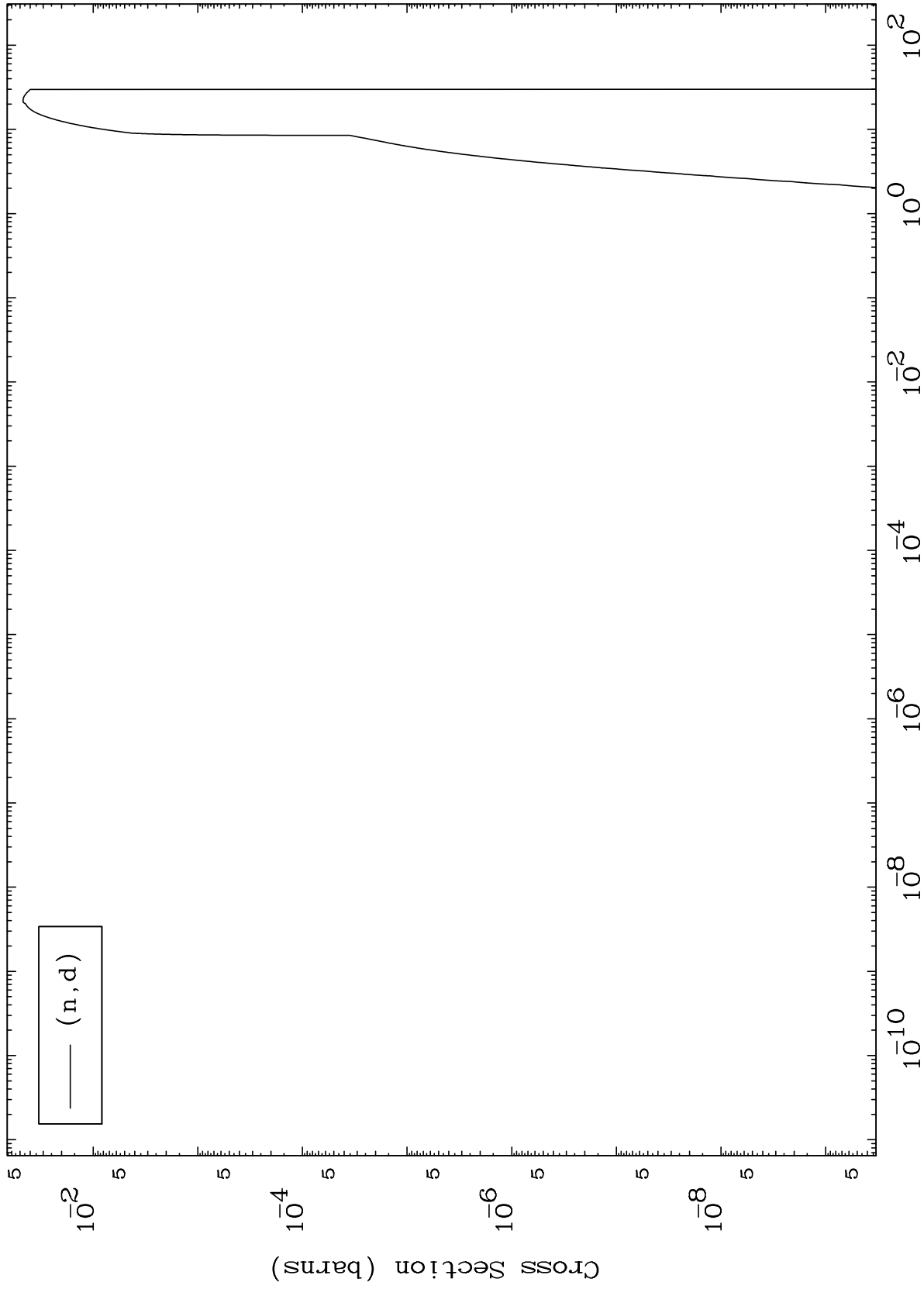


— (n,p)

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(n,d) Levels
293 Kelvin Cross Sections

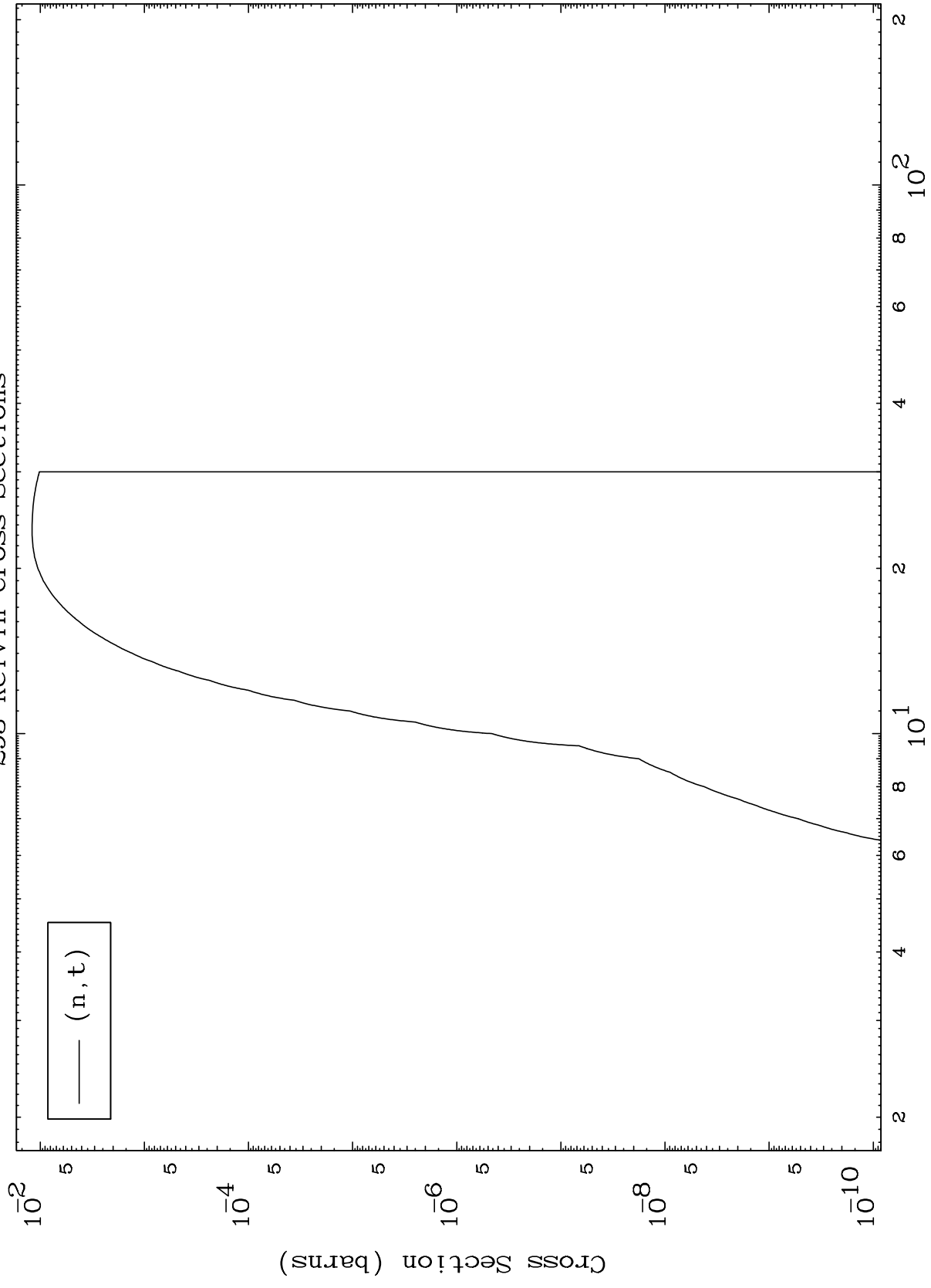
53-I -114



10

Incident Energy (MeV)

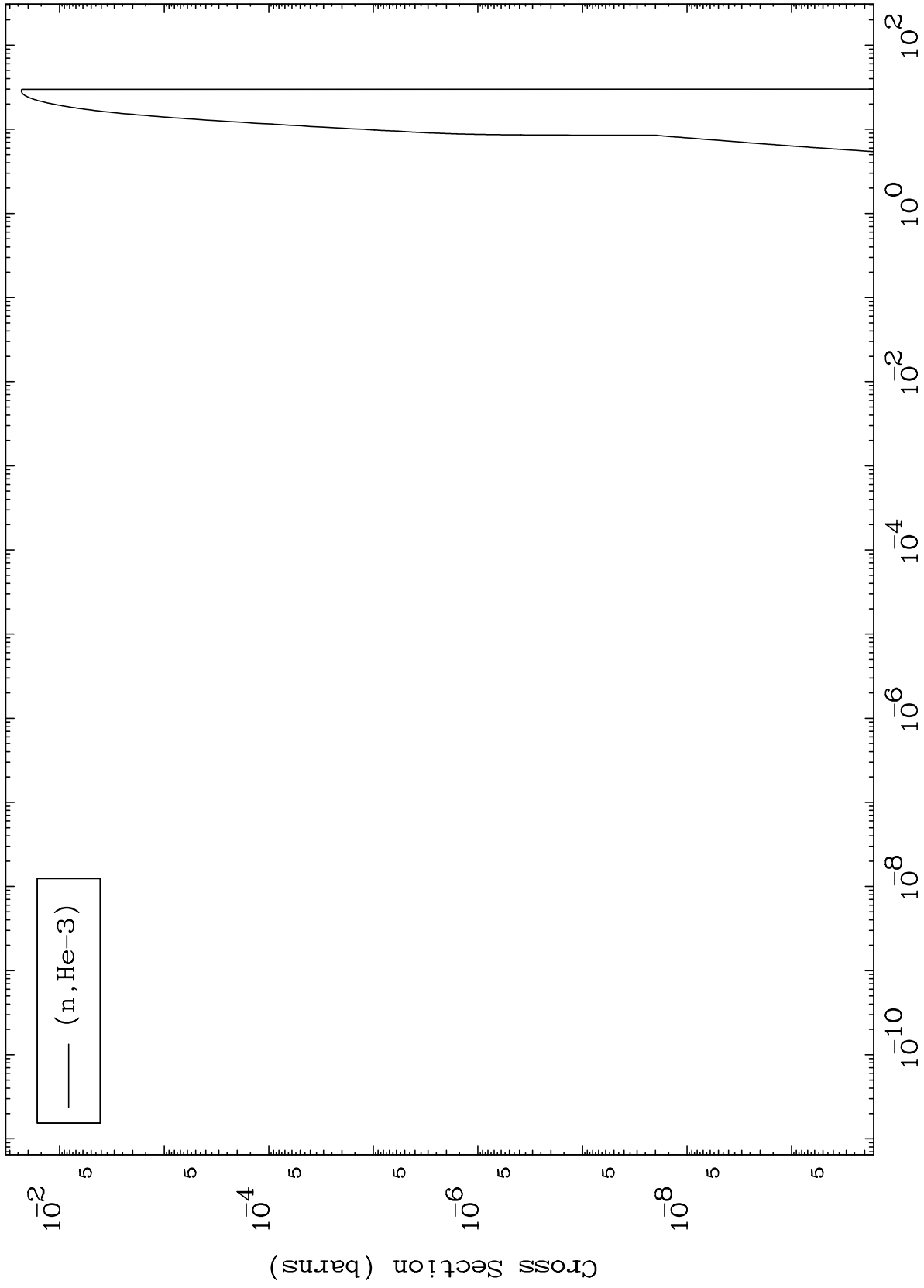
53-I -114



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(n,He3) Levels
293 Kelvin Cross Sections

53-I -114



12

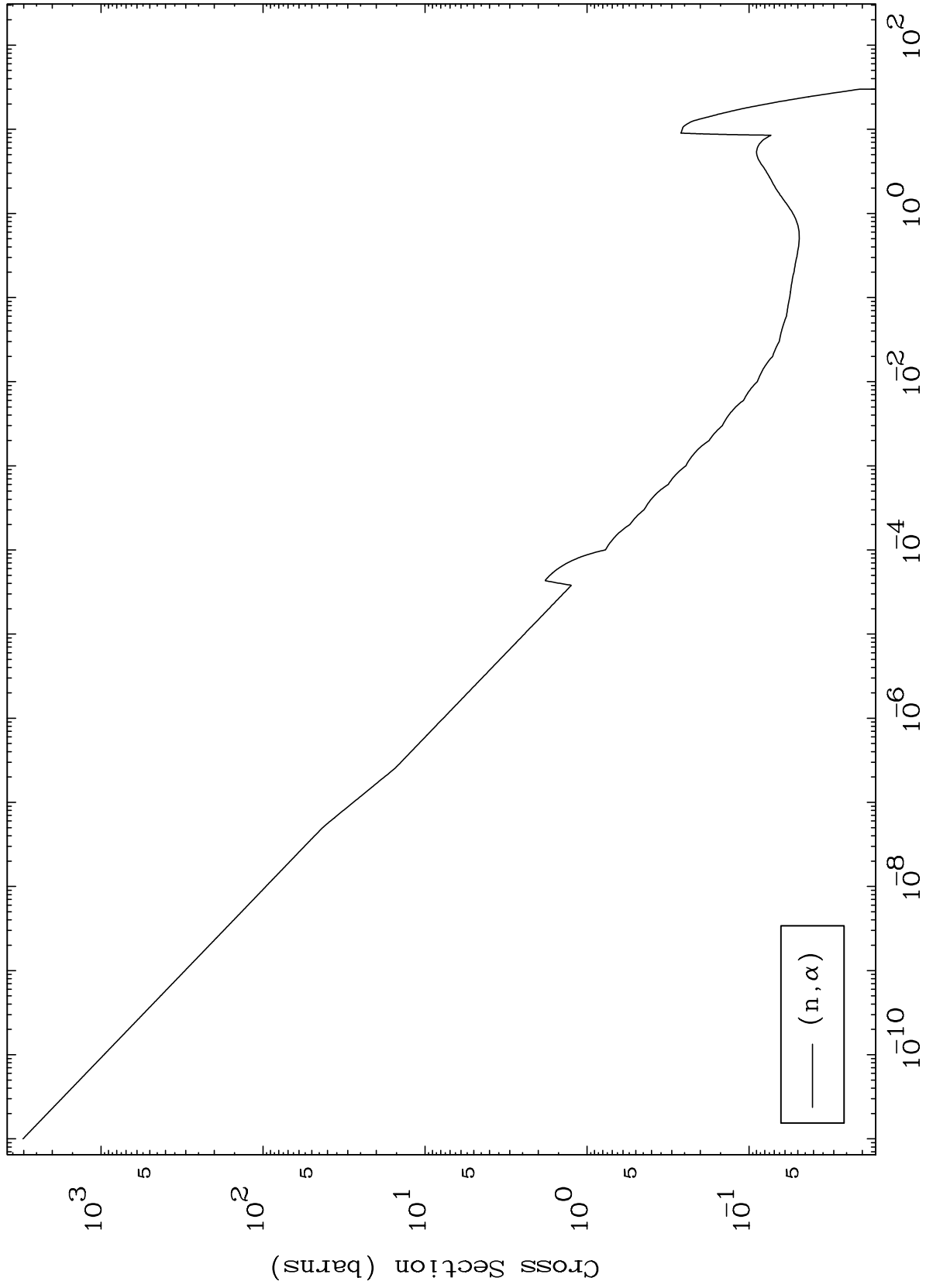
Incident Energy (MeV)

53-I -114

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(n, α) Levels
293 Kelvin Cross Sections

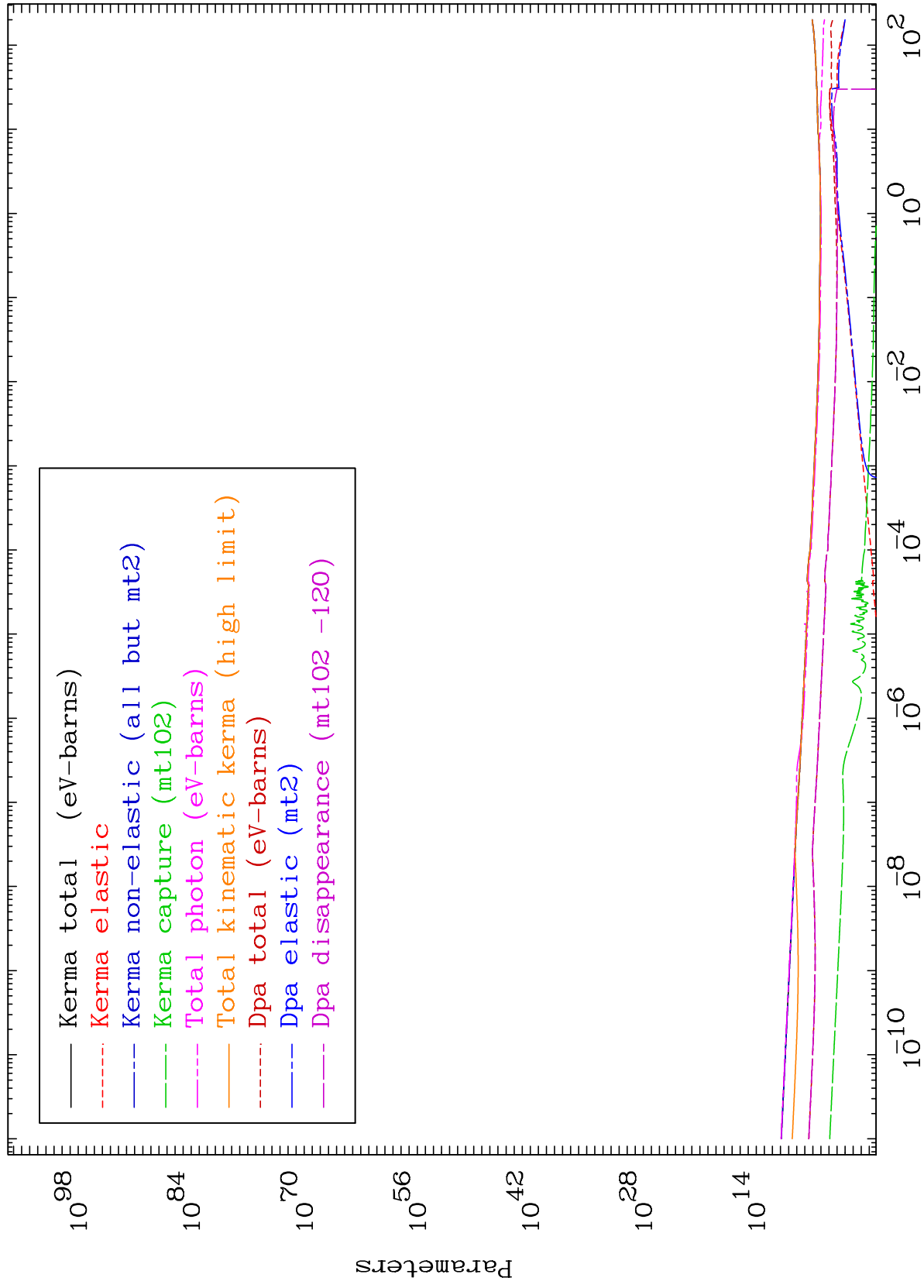
53-I -114



13

Incident Energy (MeV)

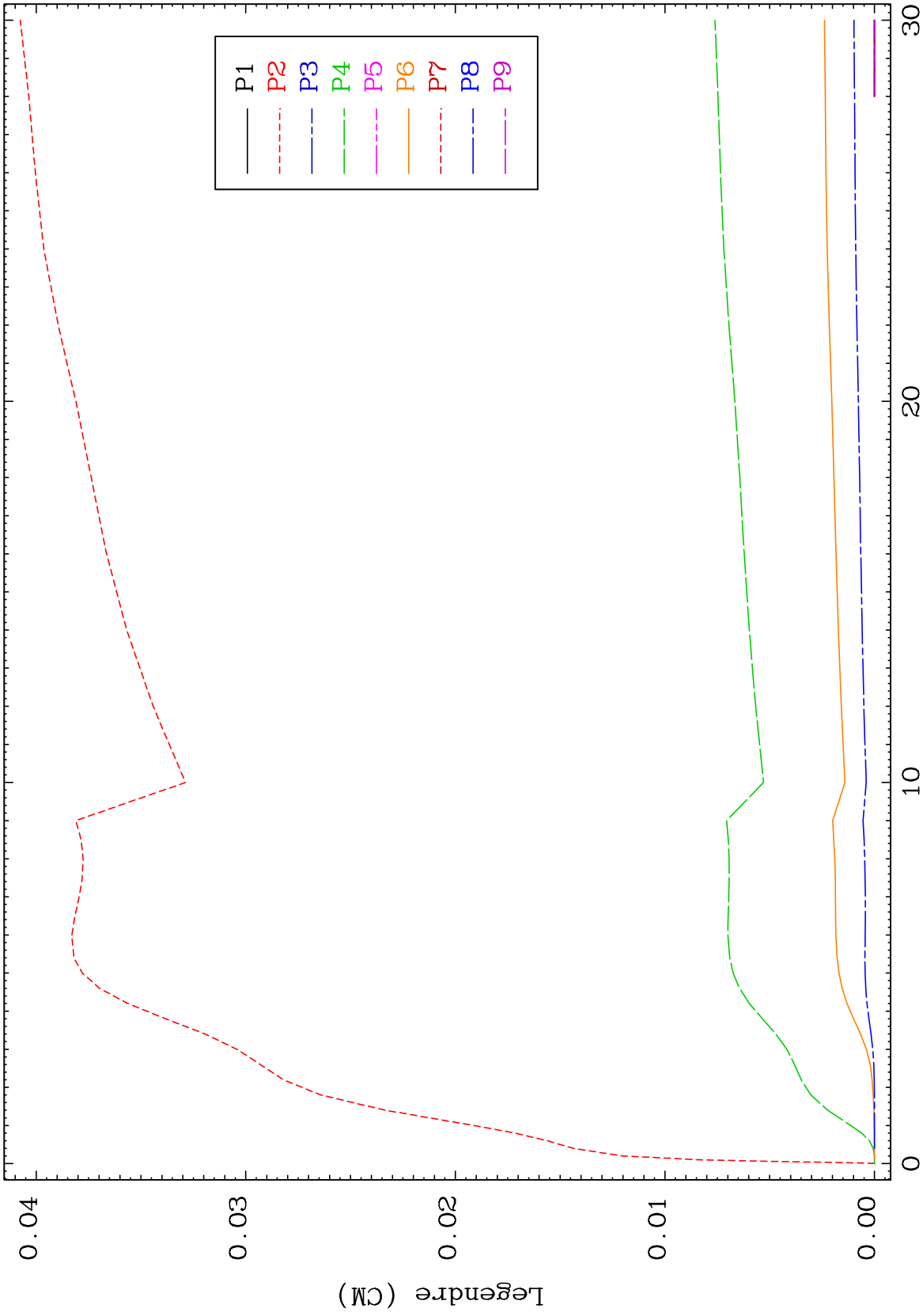
53-I -114



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Elastic Legendre Coefficients

53-I -114



53-I -114

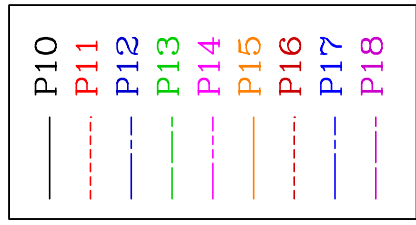
Incident Energy (MeV)

15

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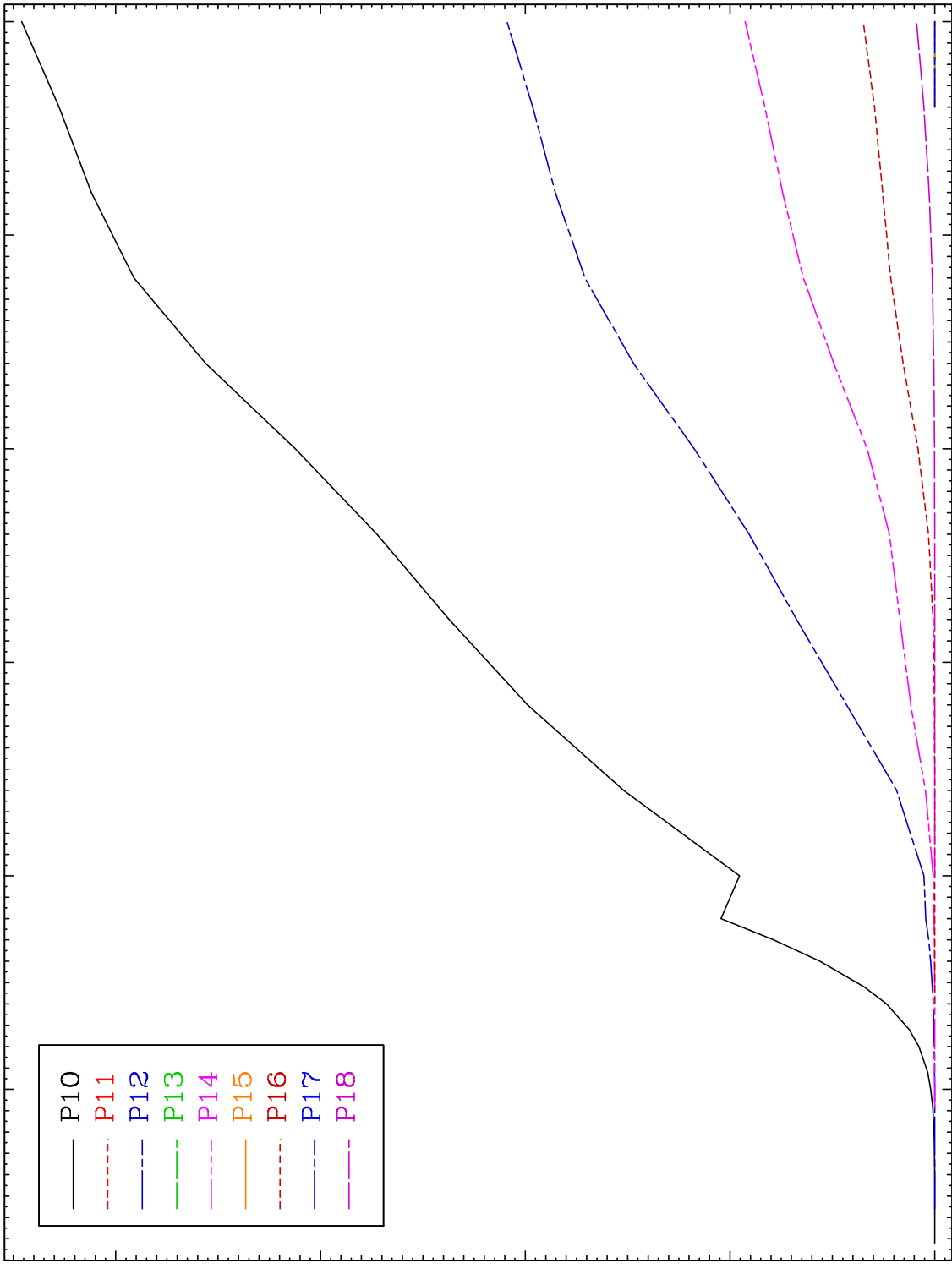
Elastic
Legendre Coefficients

53-I -114



$\times 10^{-4}$

Legendre (CM)



16

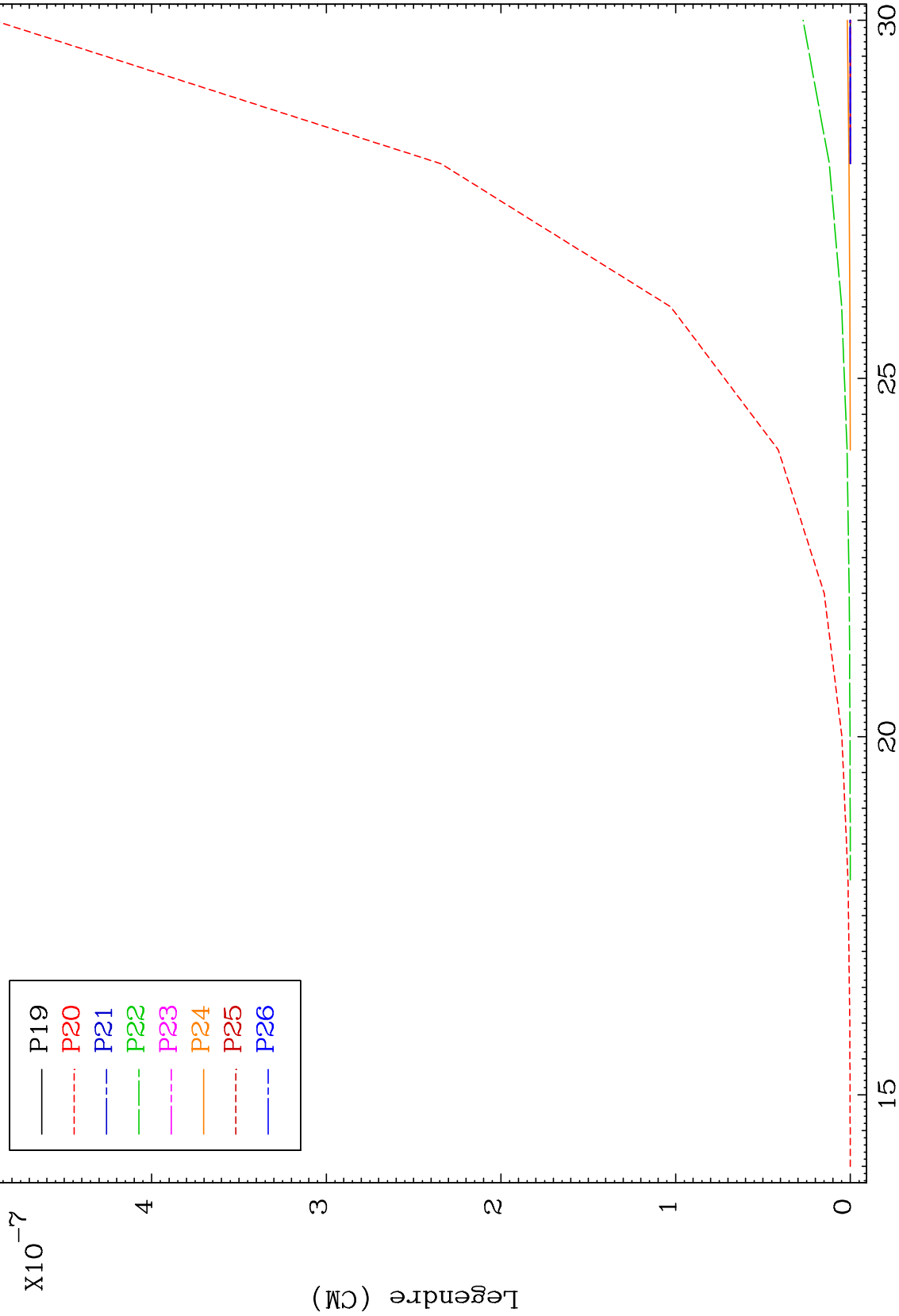
Incident Energy (MeV)

53-I -114

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Elastic
Legendre Coefficients

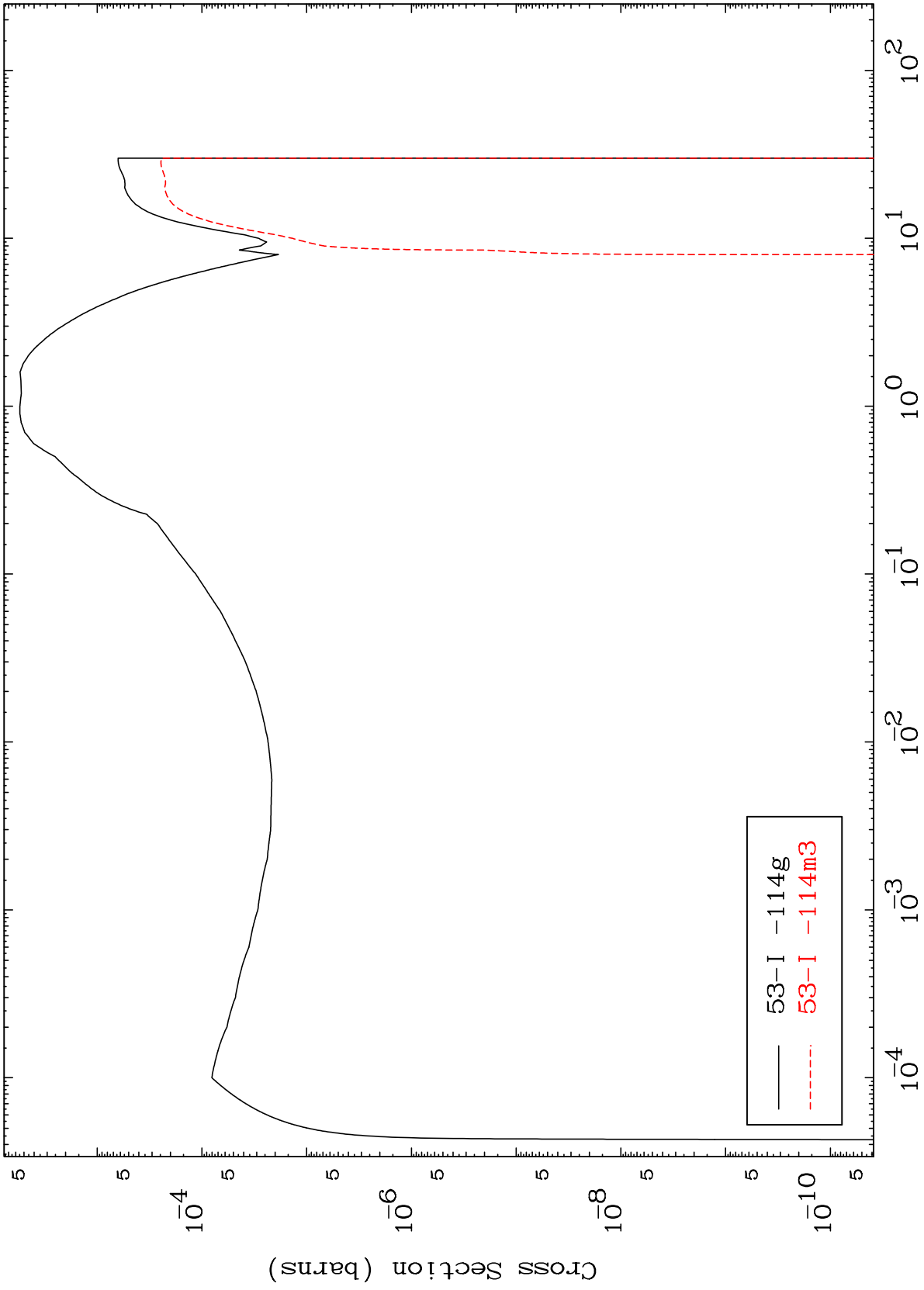
53-I -114



17

Incident Energy (MeV)

53-I -114

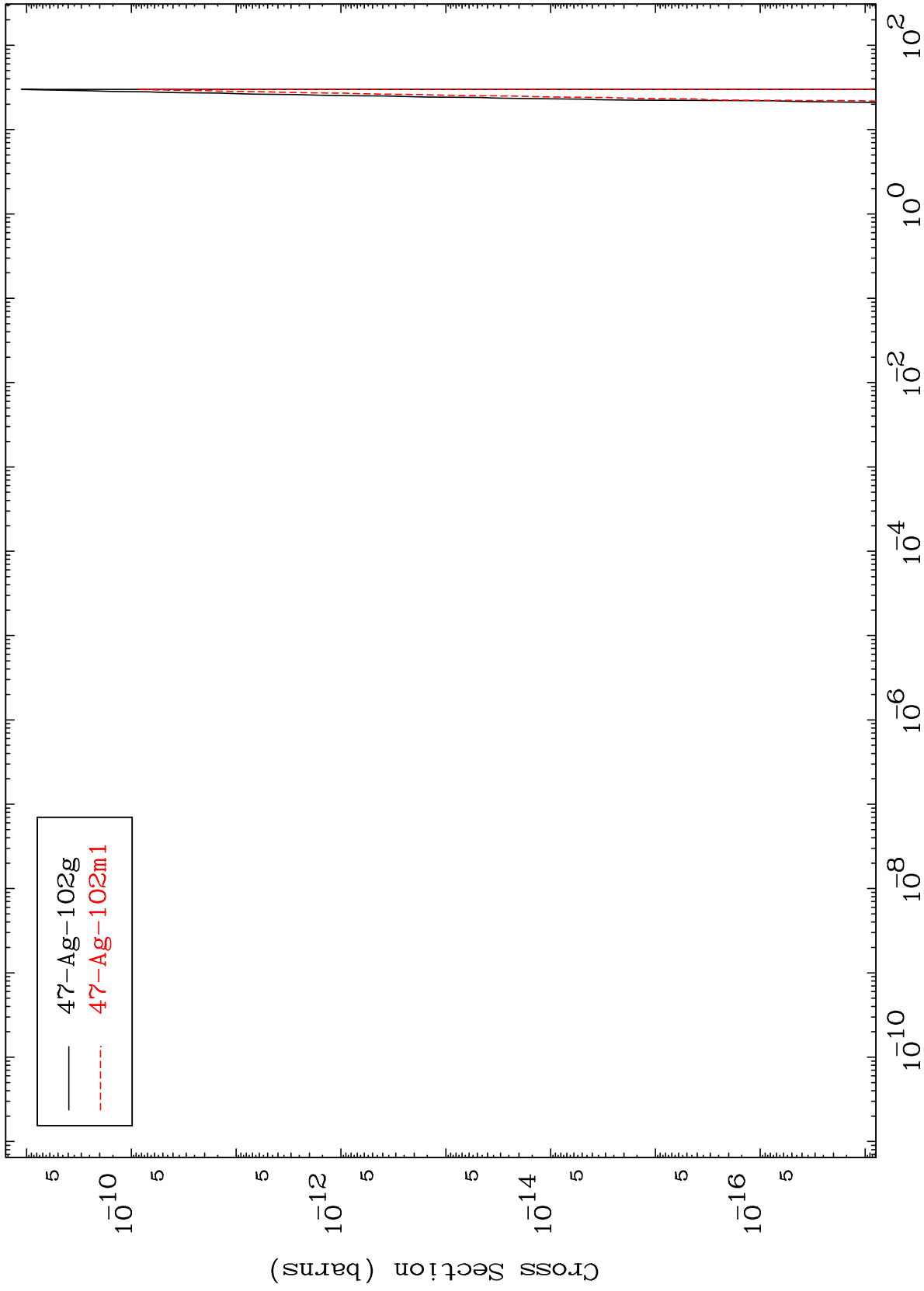


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(n,n') 3 α

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Radionuclide Production Cross Section



19

Incident Energy (MeV)

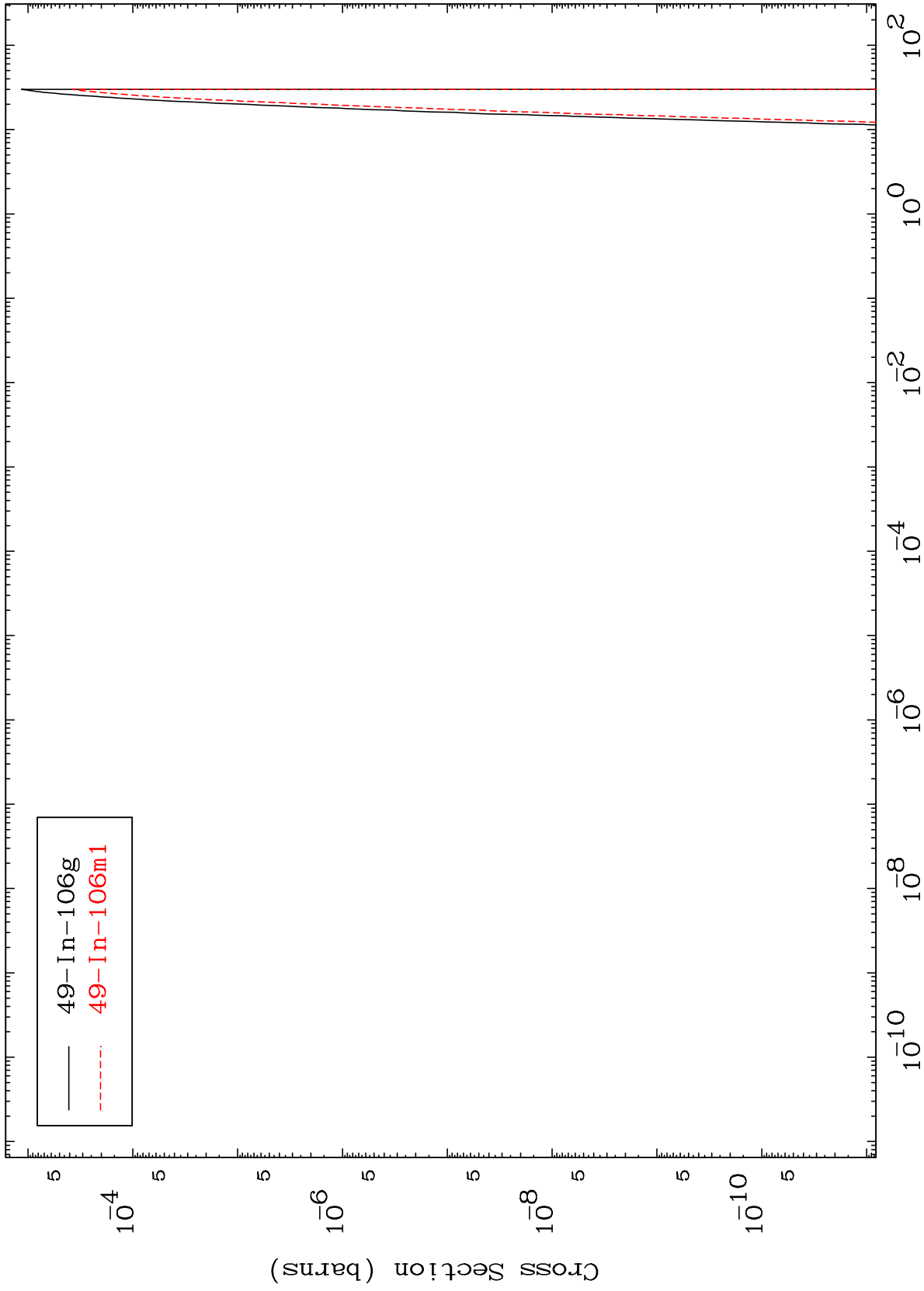
53-I -114

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(n,n') 2 α

53-I -114

Radionuclide Production Cross Section



20

Incident Energy (MeV)

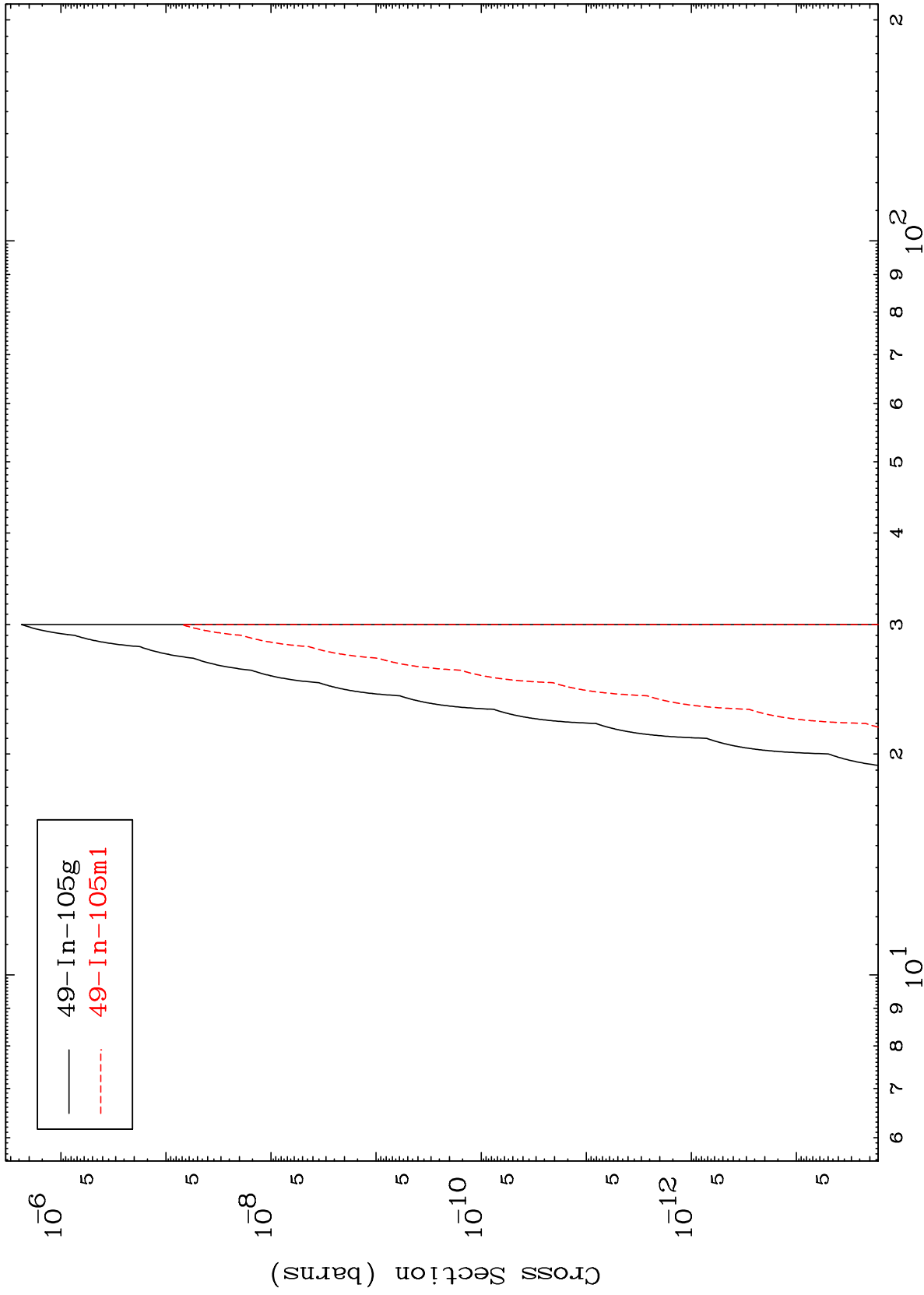
53-I -114

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(n,2n) 2α

53-I -114

Radionuclide Production Cross Section



21

Incident Energy (MeV)

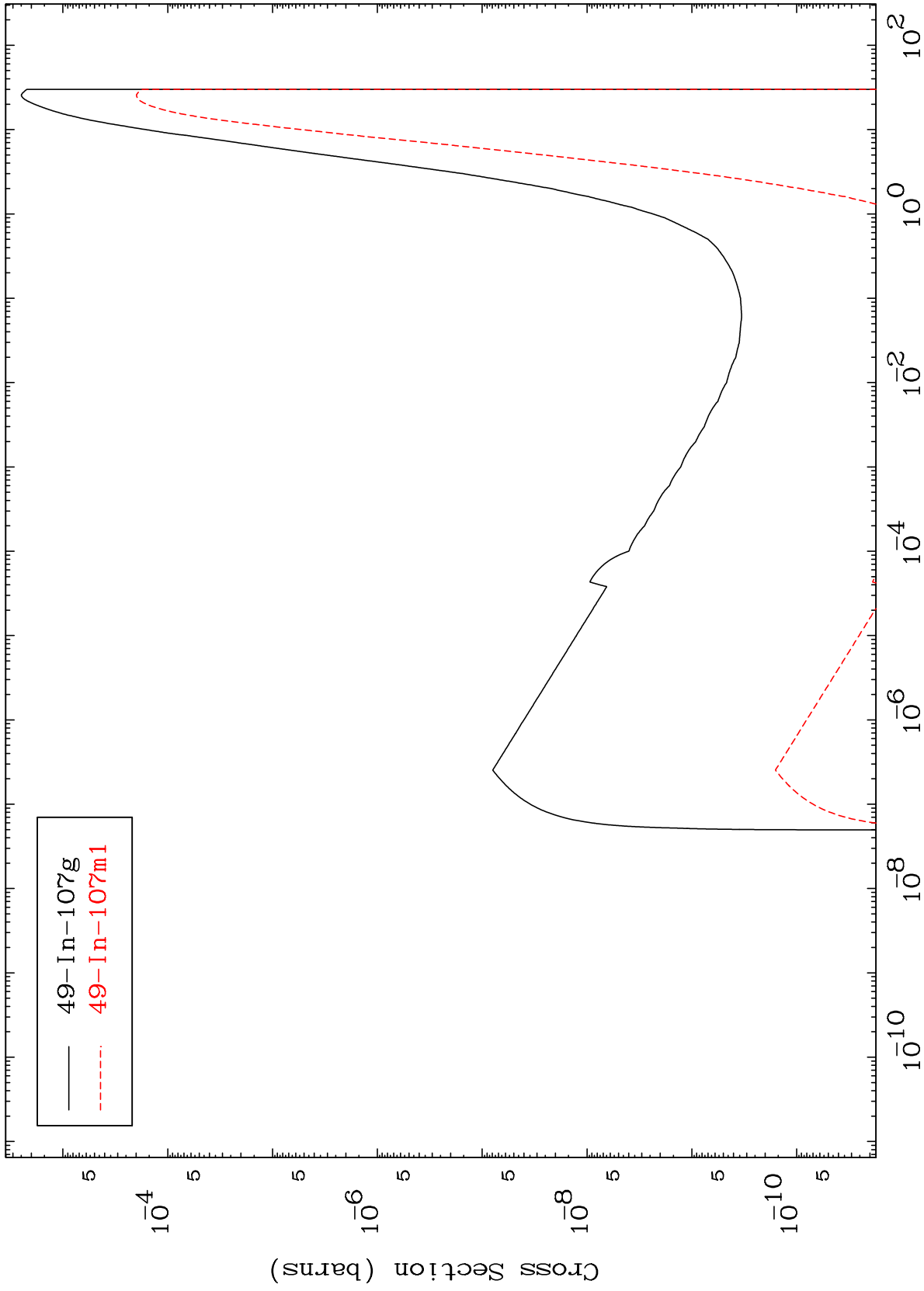
53-I -114

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(n,2α)

53-I -114

Radionuclide Production Cross Section

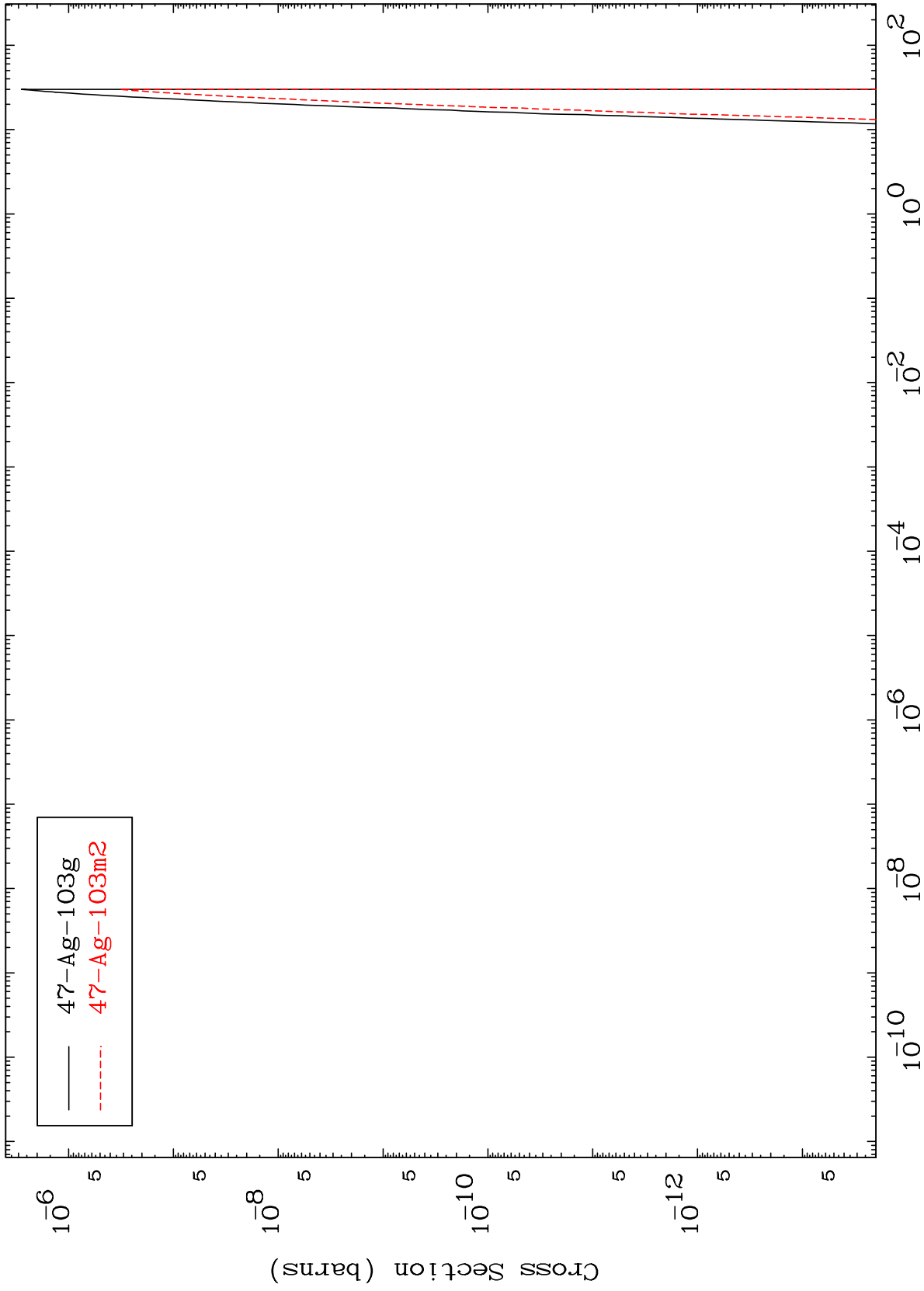


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(n,3α)

53-I -114

Radionuclide Production Cross Section



23

Incident Energy (MeV)

53-I -114