

Program EVALPLOT
(Version 2017-1)

by

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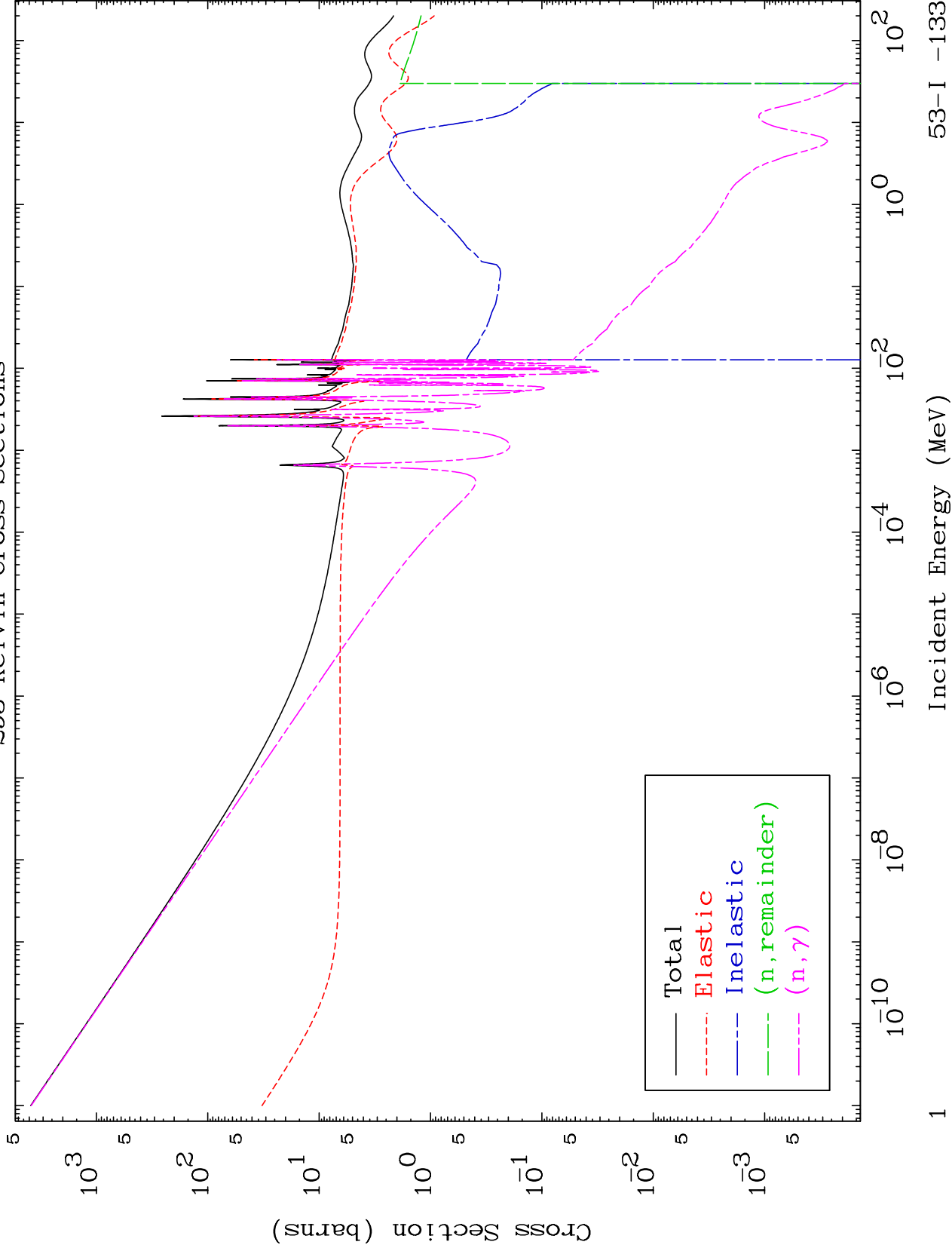
Press Mouse Button to Start

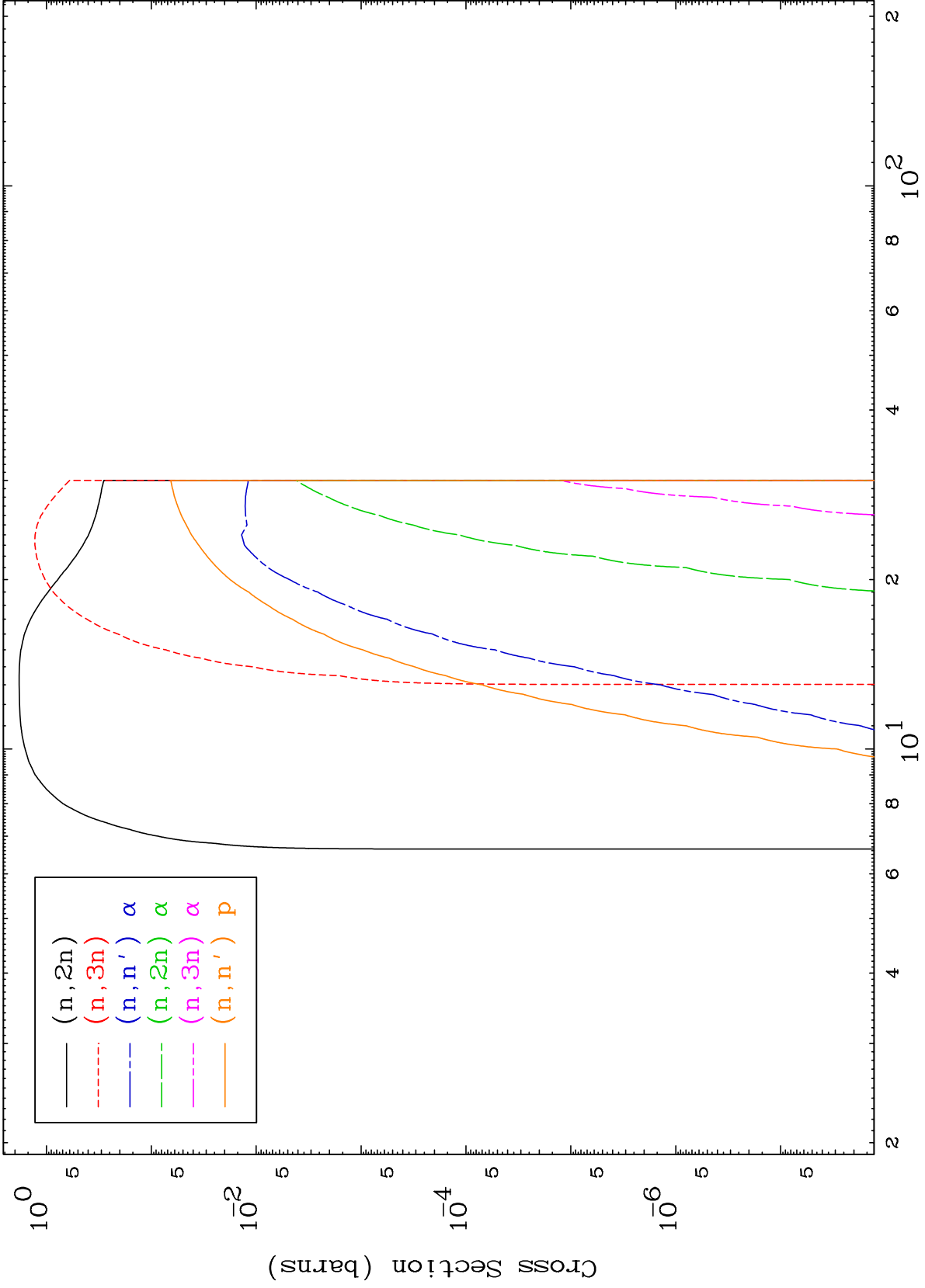
MAT 5344

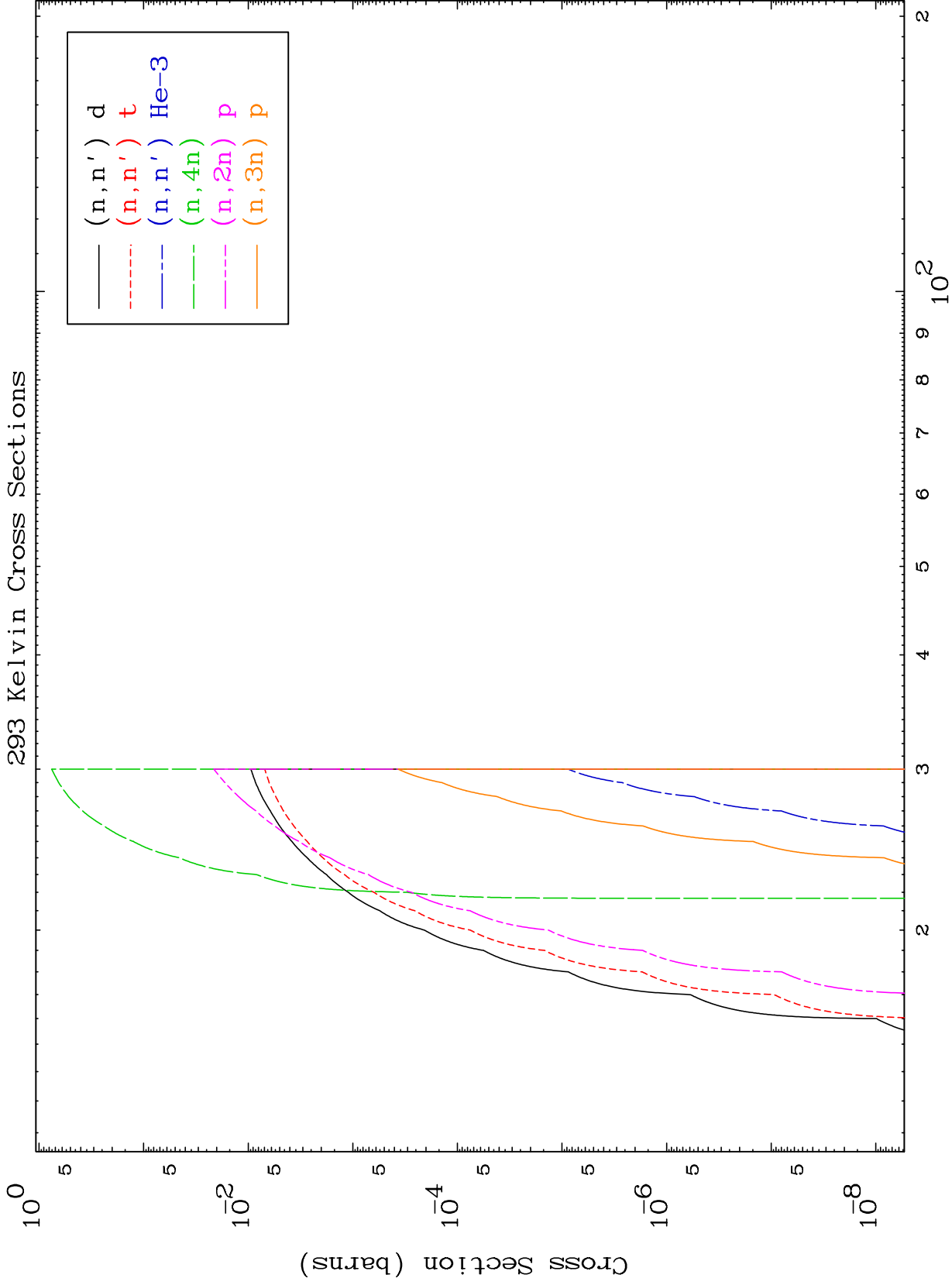
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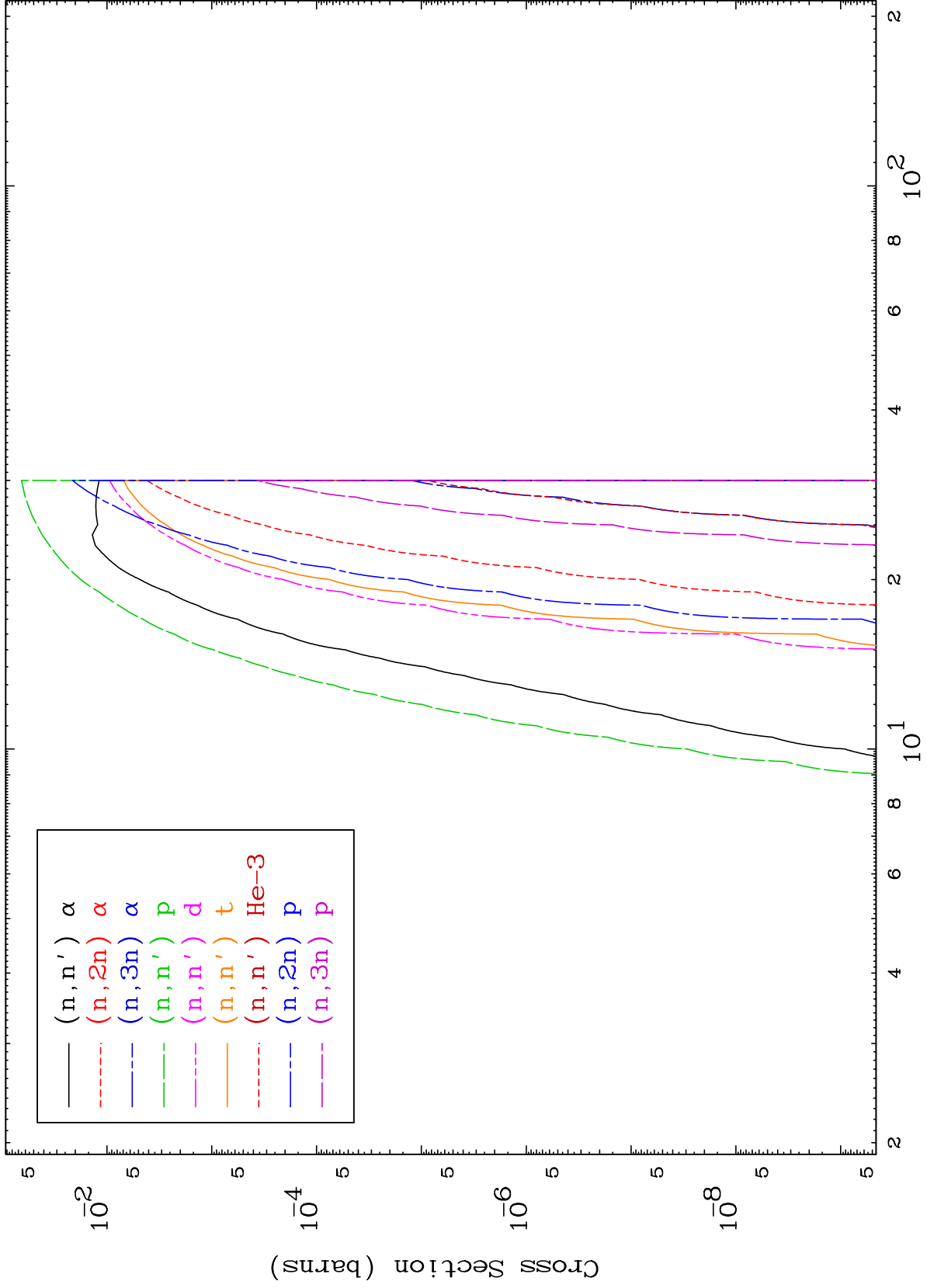
293 Kelvin Cross Sections

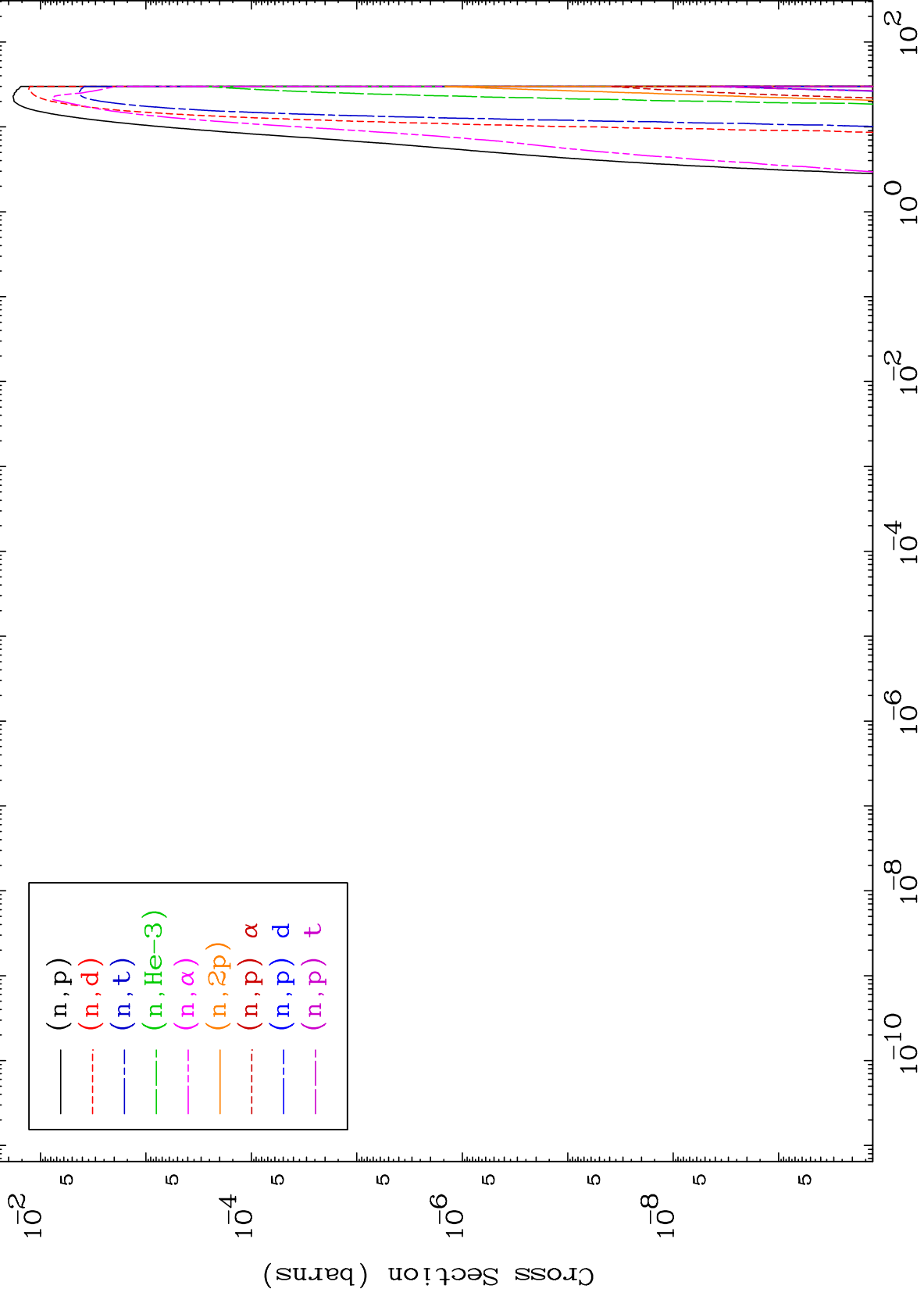
53-I -133

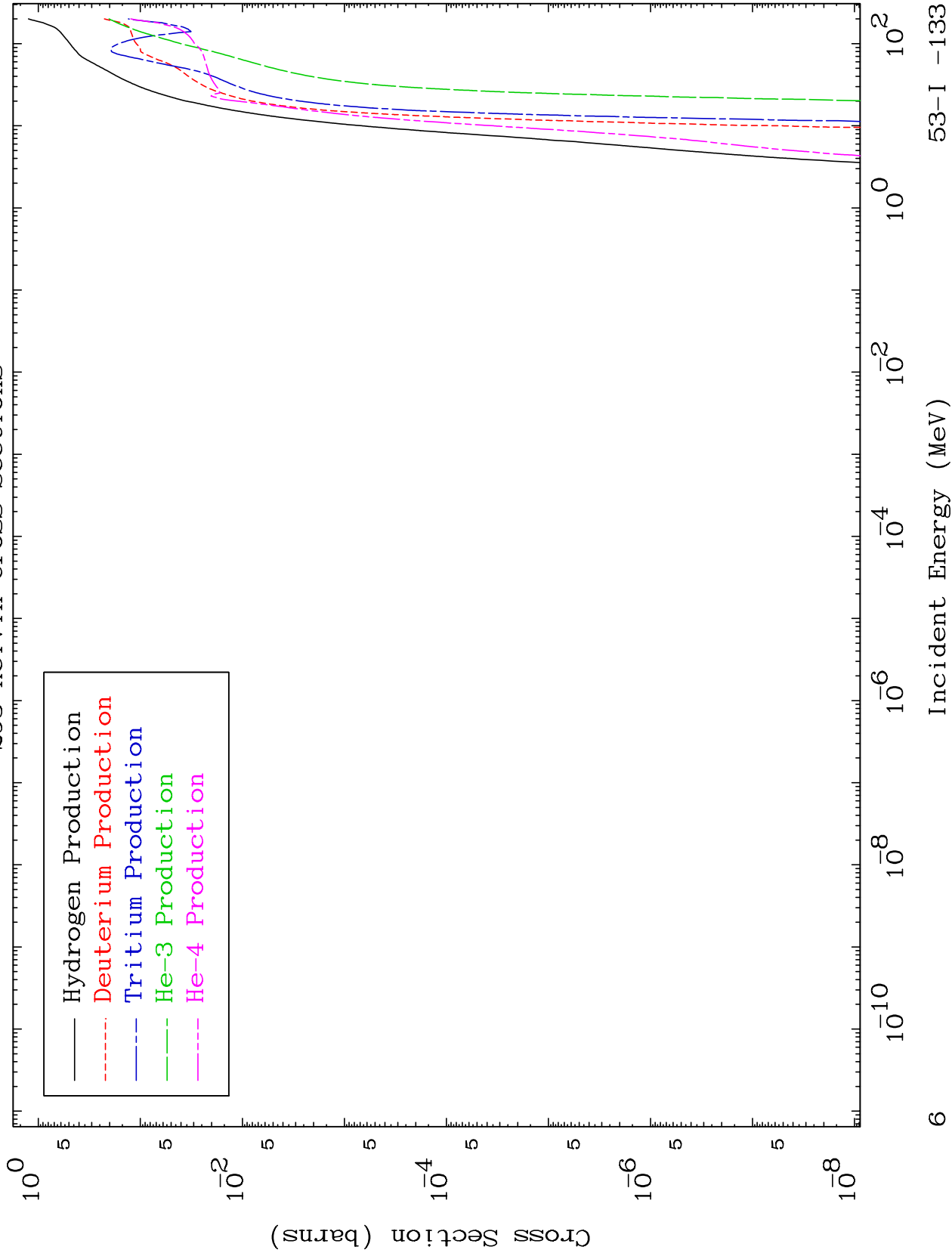


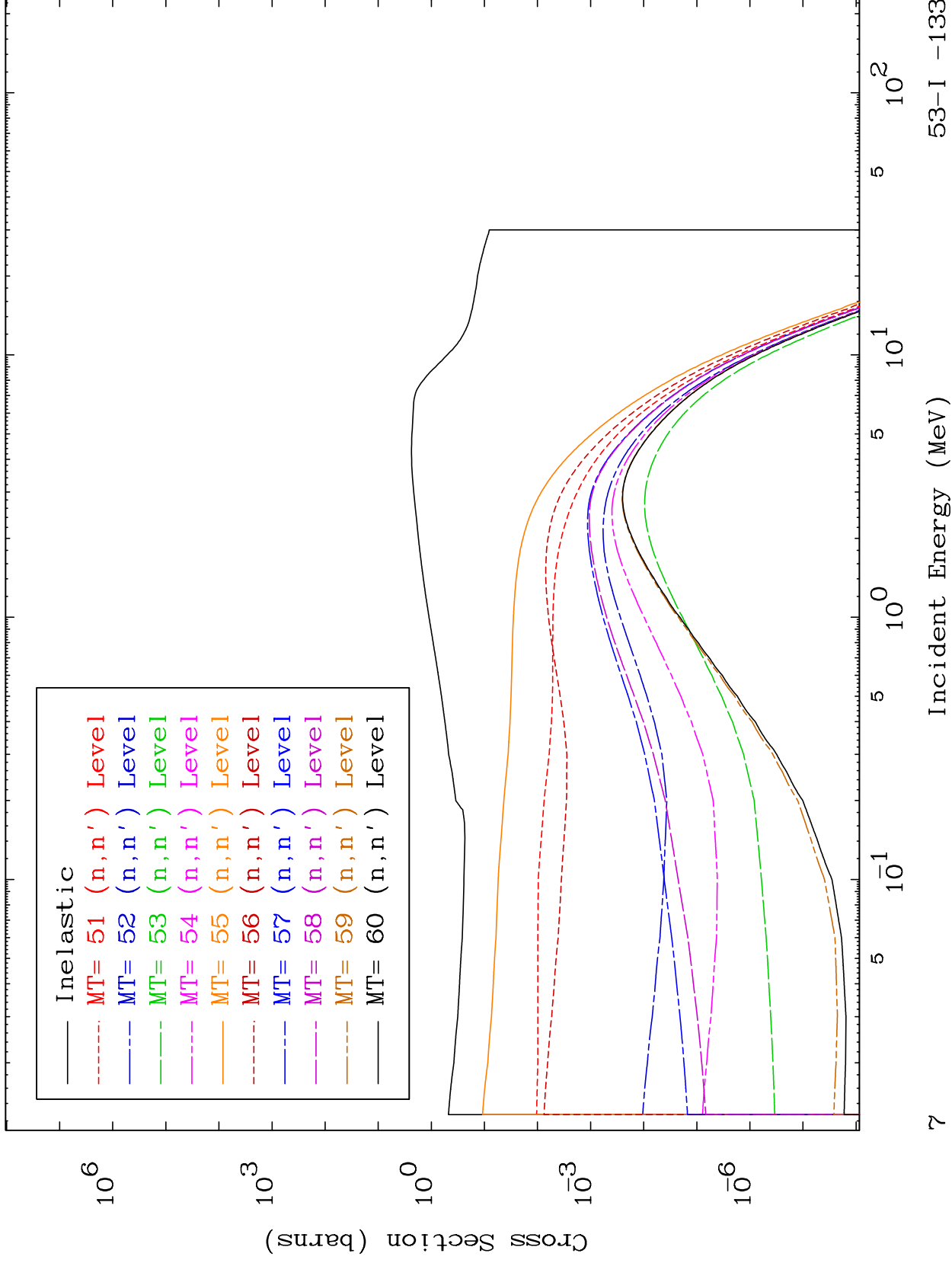




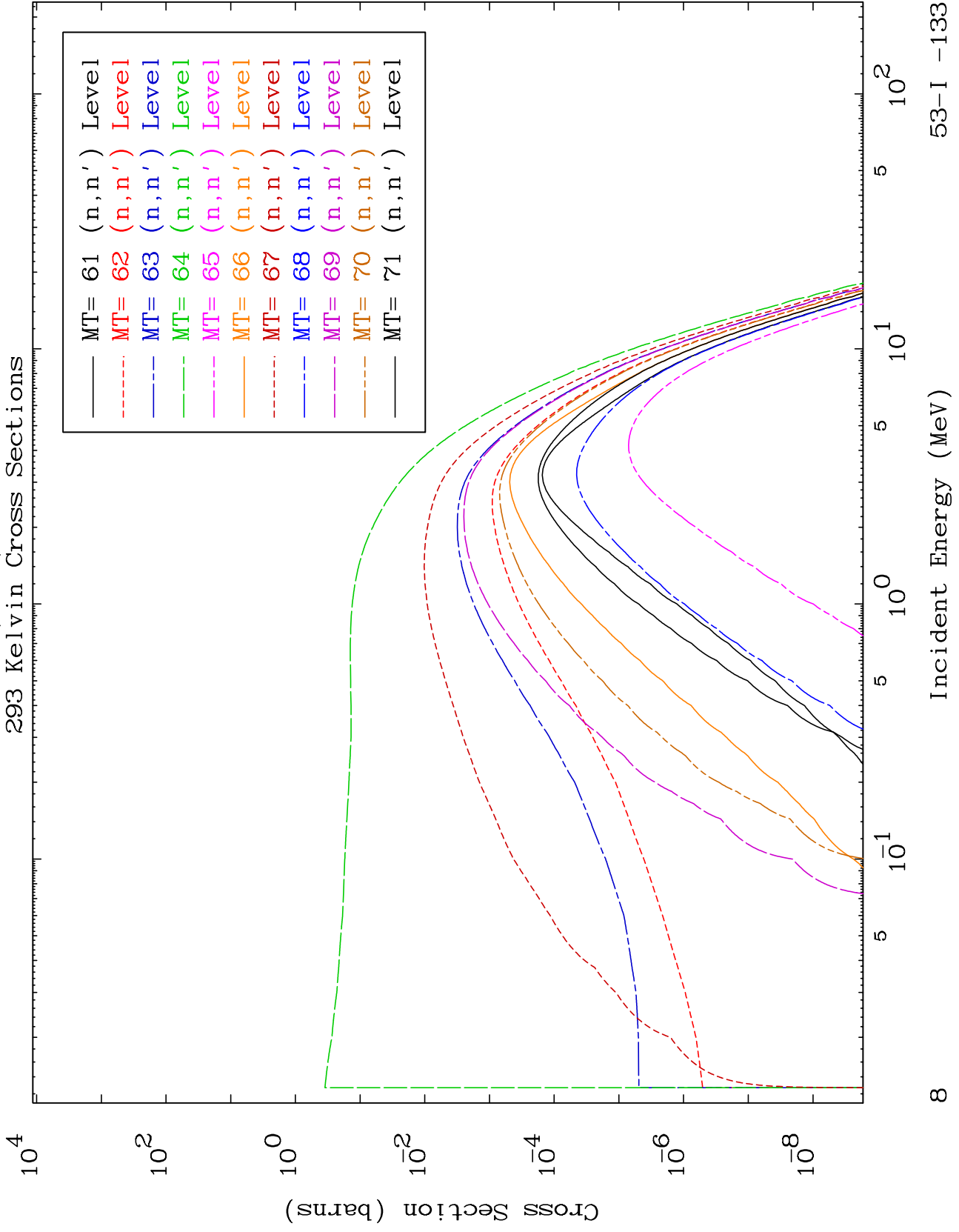




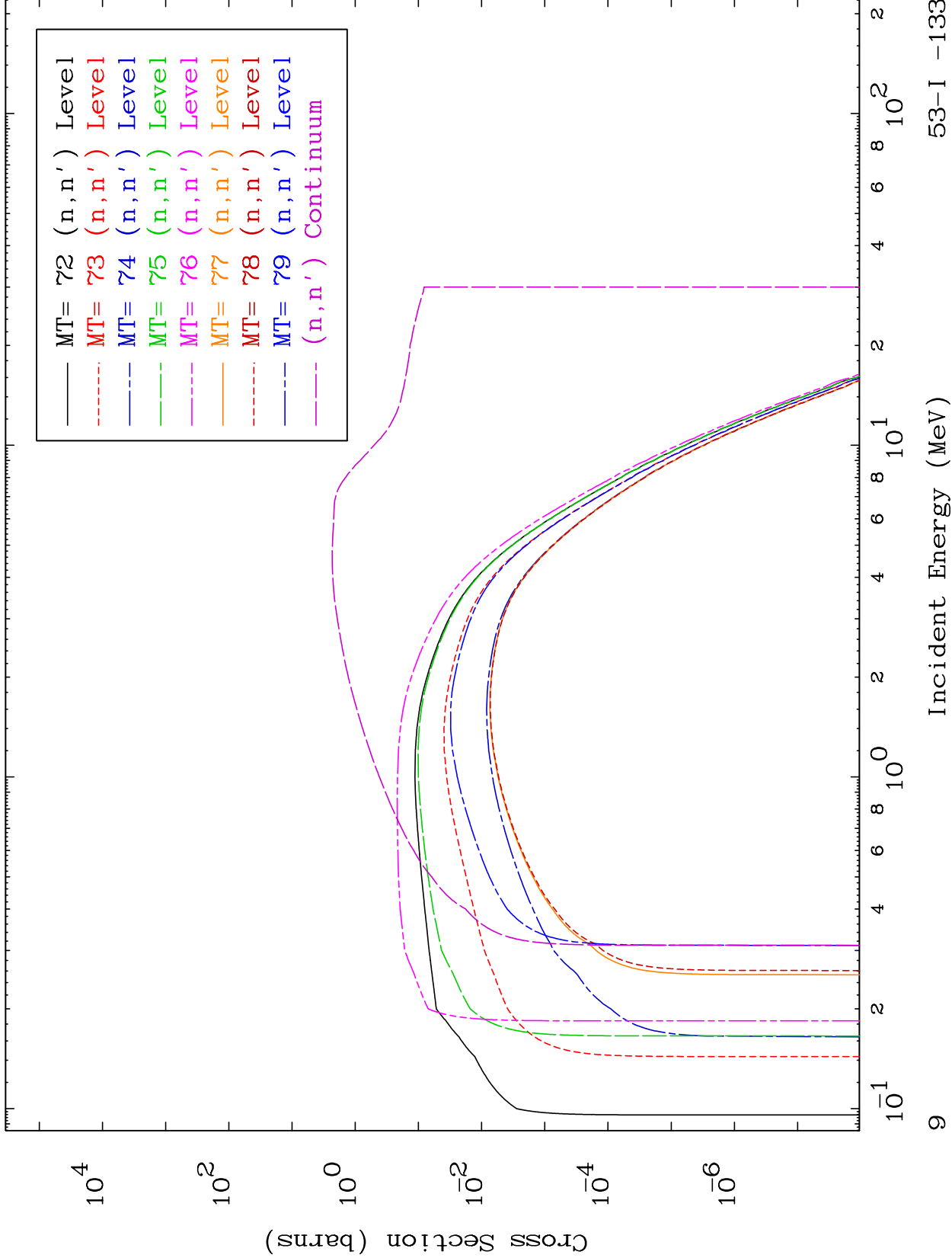




293 Kelvin Cross Sections



293 Kelvin Cross Sections

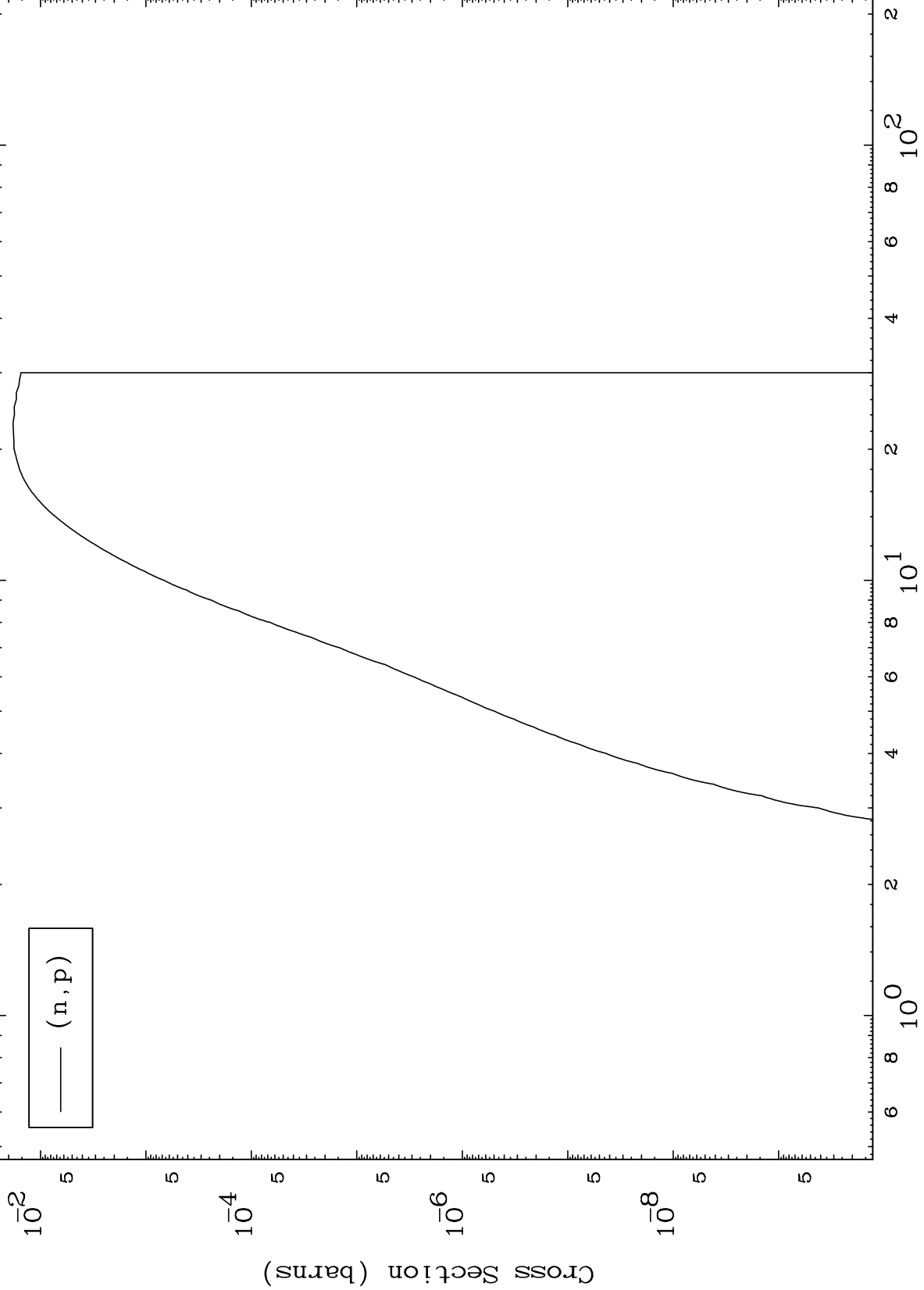


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(n,p) Levels

53-I -133

293 Kelvin Cross Sections



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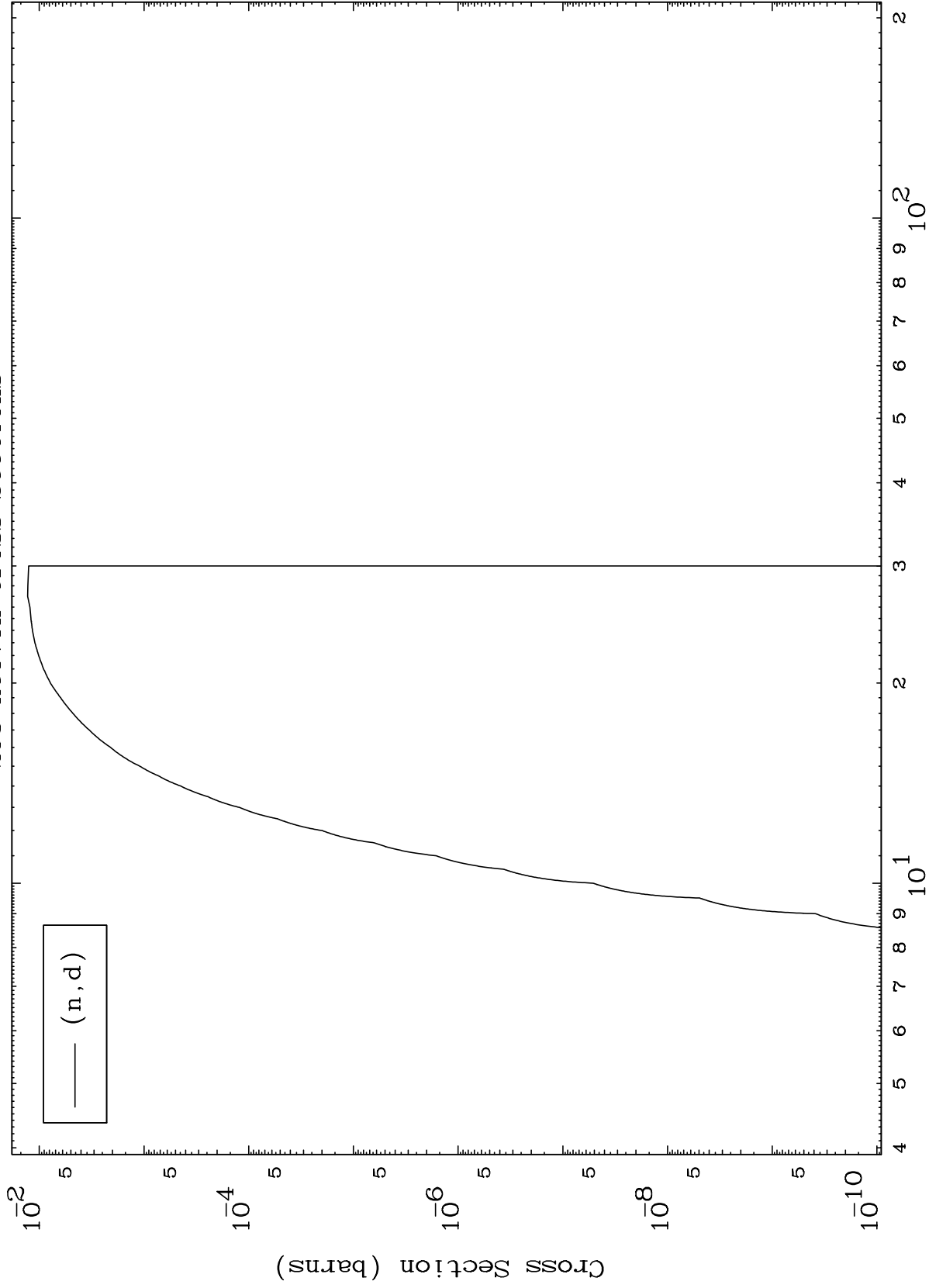
Incident Energy (MeV)

53-I -133

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(n,d) Levels
293 Kelvin Cross Sections

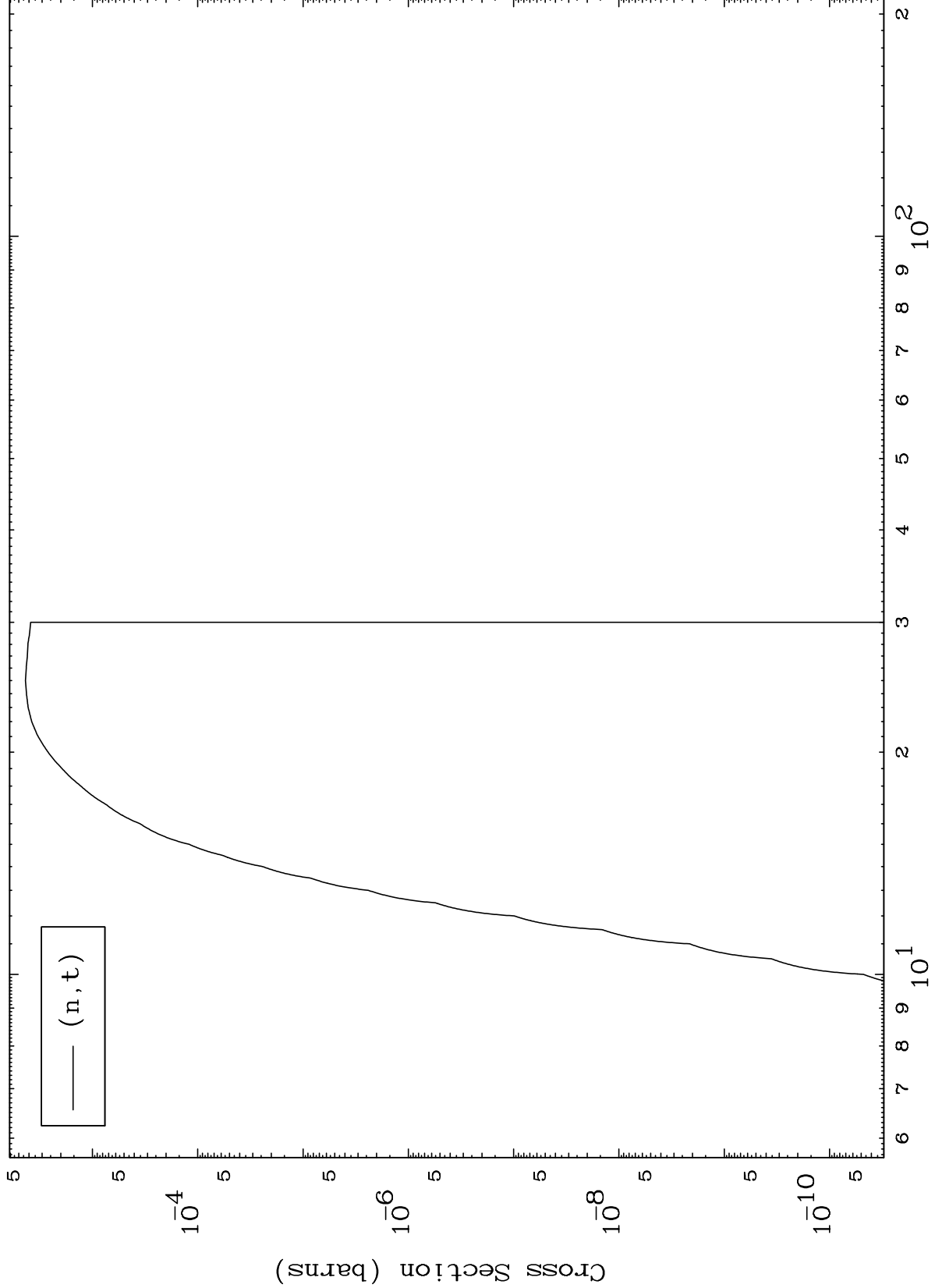
53-I -133



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Incident Energy (MeV)

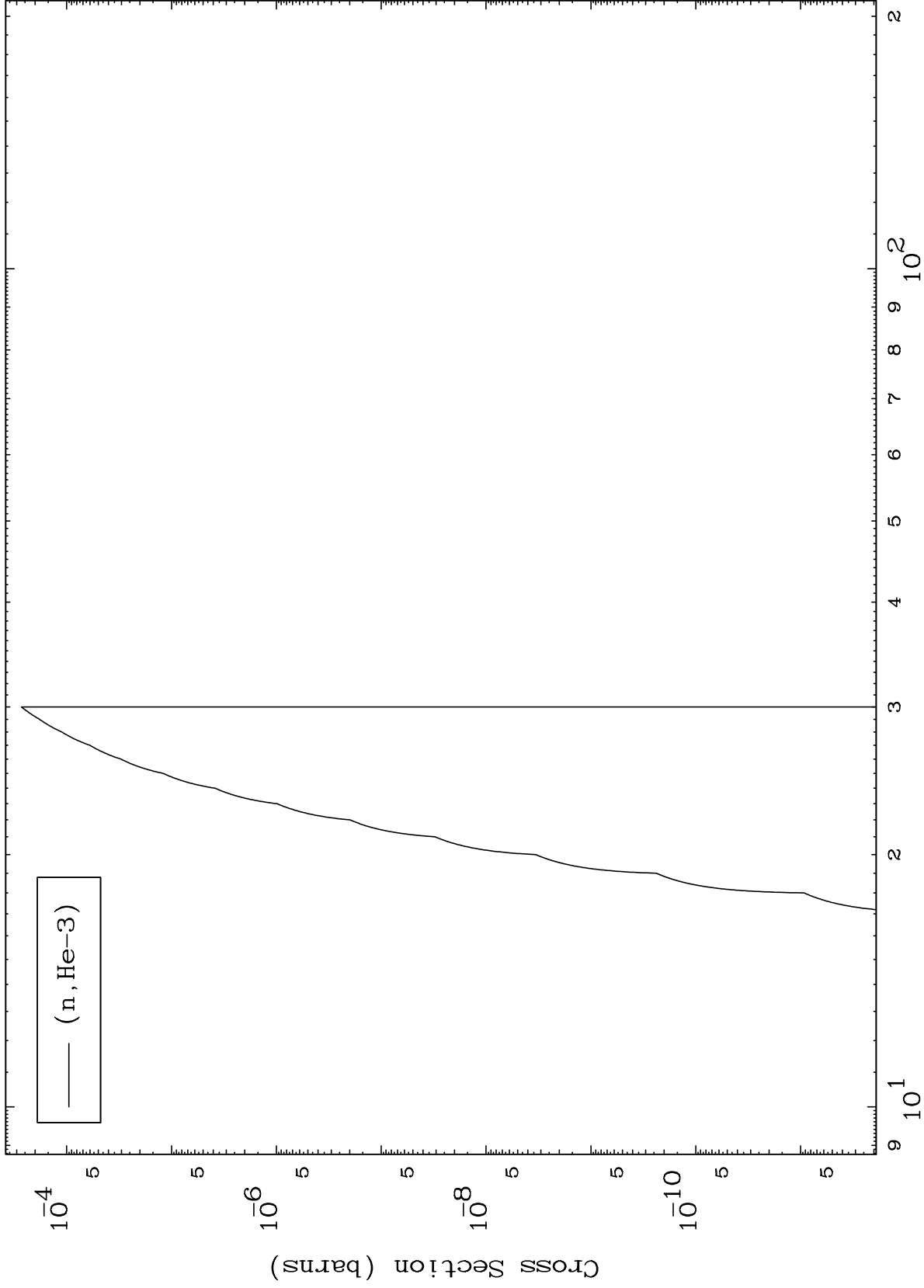
53-I -133



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(n,He3) Levels
293 Kelvin Cross Sections

53-I -133



13

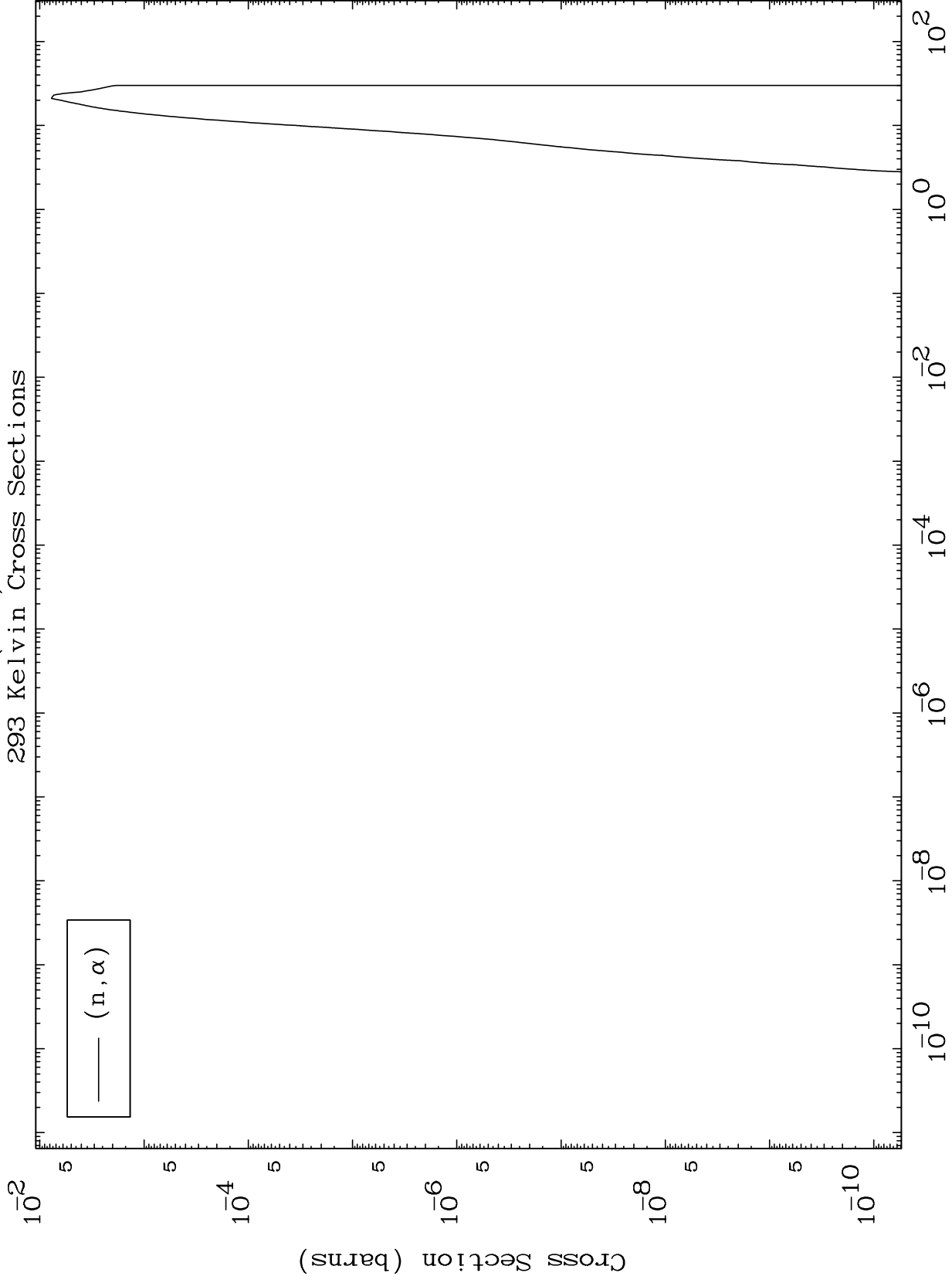
Incident Energy (MeV)

53-I -133

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(n, α) Levels
293 Kelvin Cross Sections

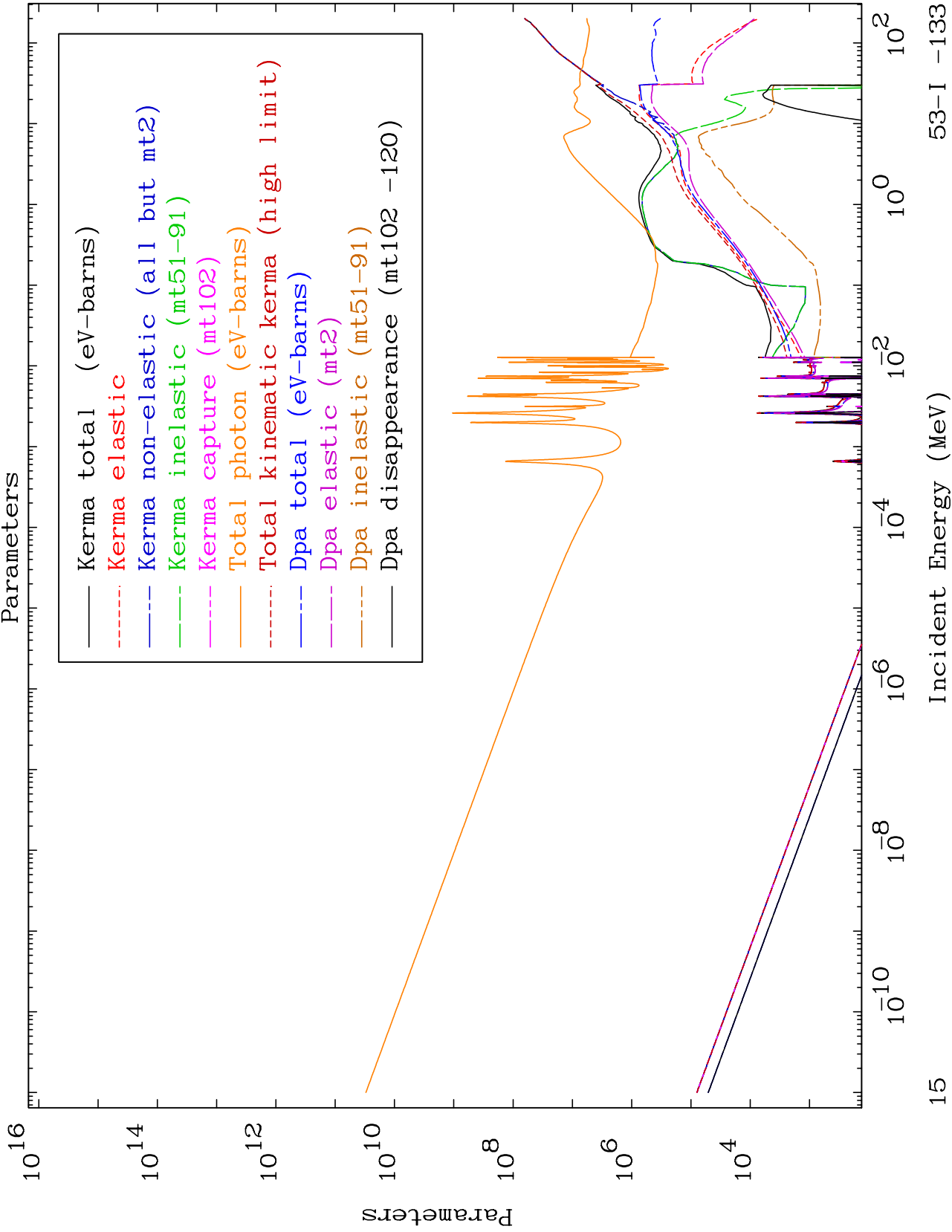
53-I -133

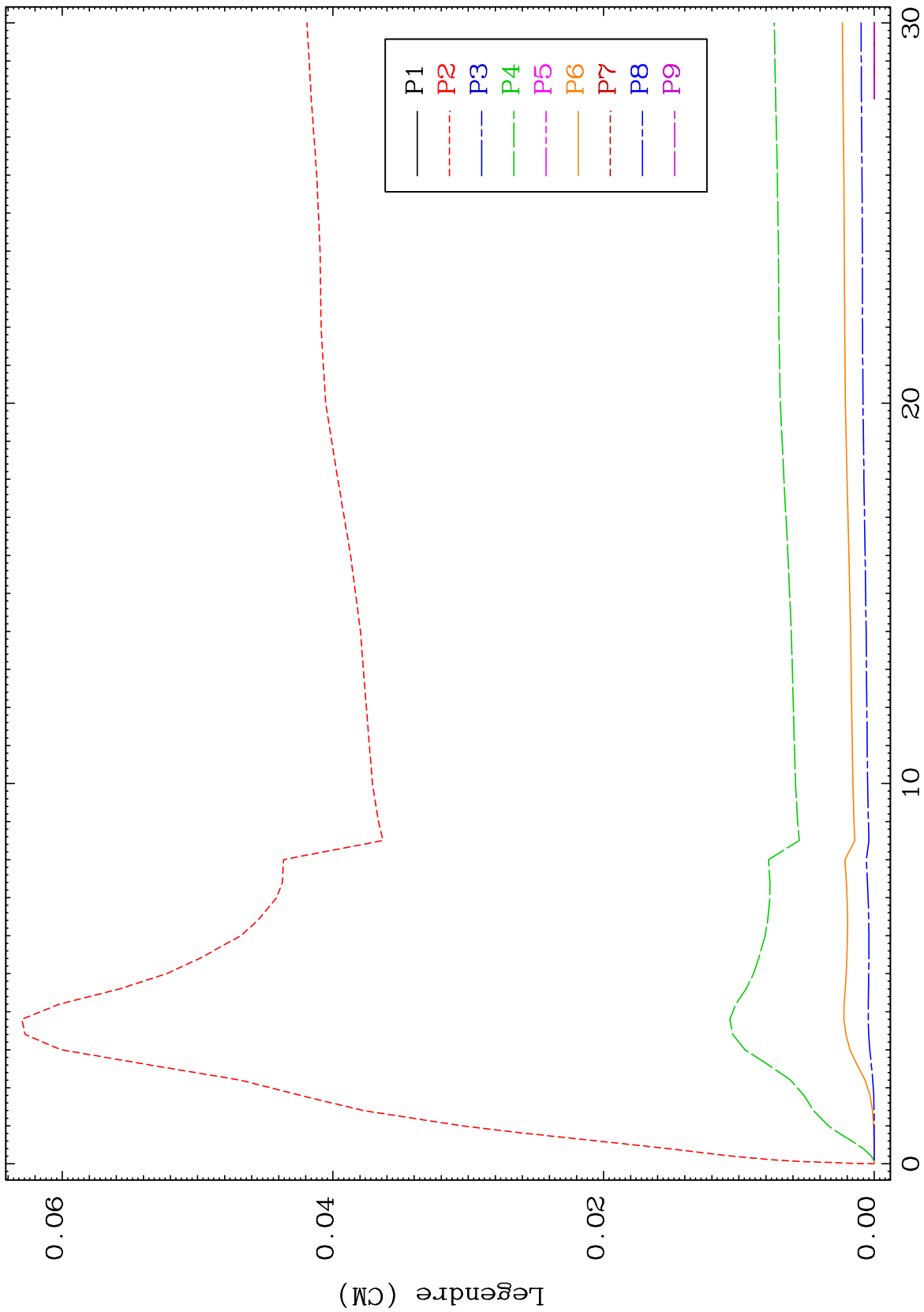


14

Incident Energy (MeV)

53-I -133

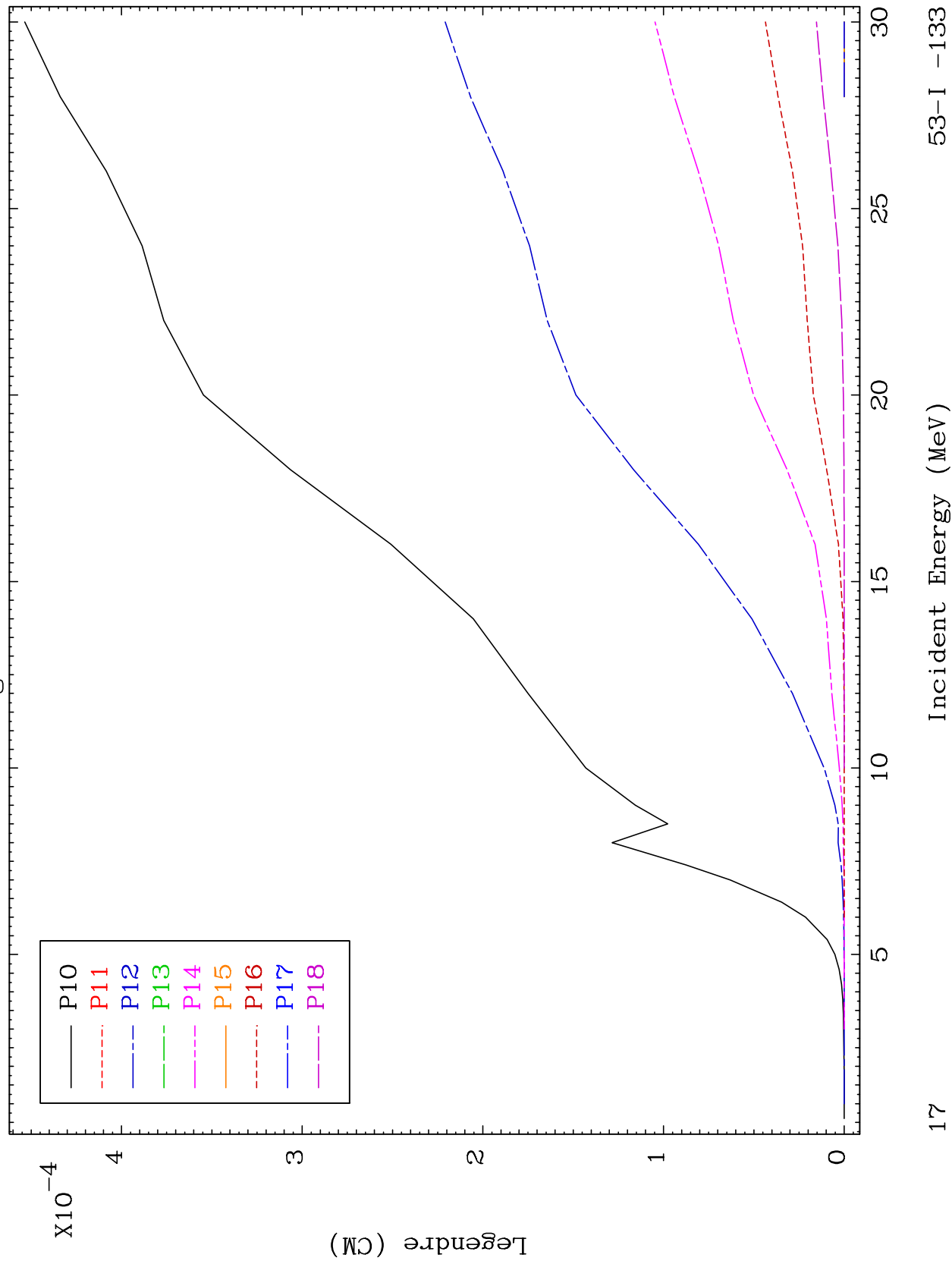




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Elastic Legendre Coefficients

53-I -133



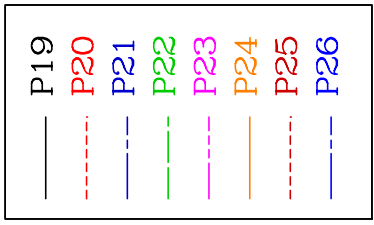
17

53-I -133

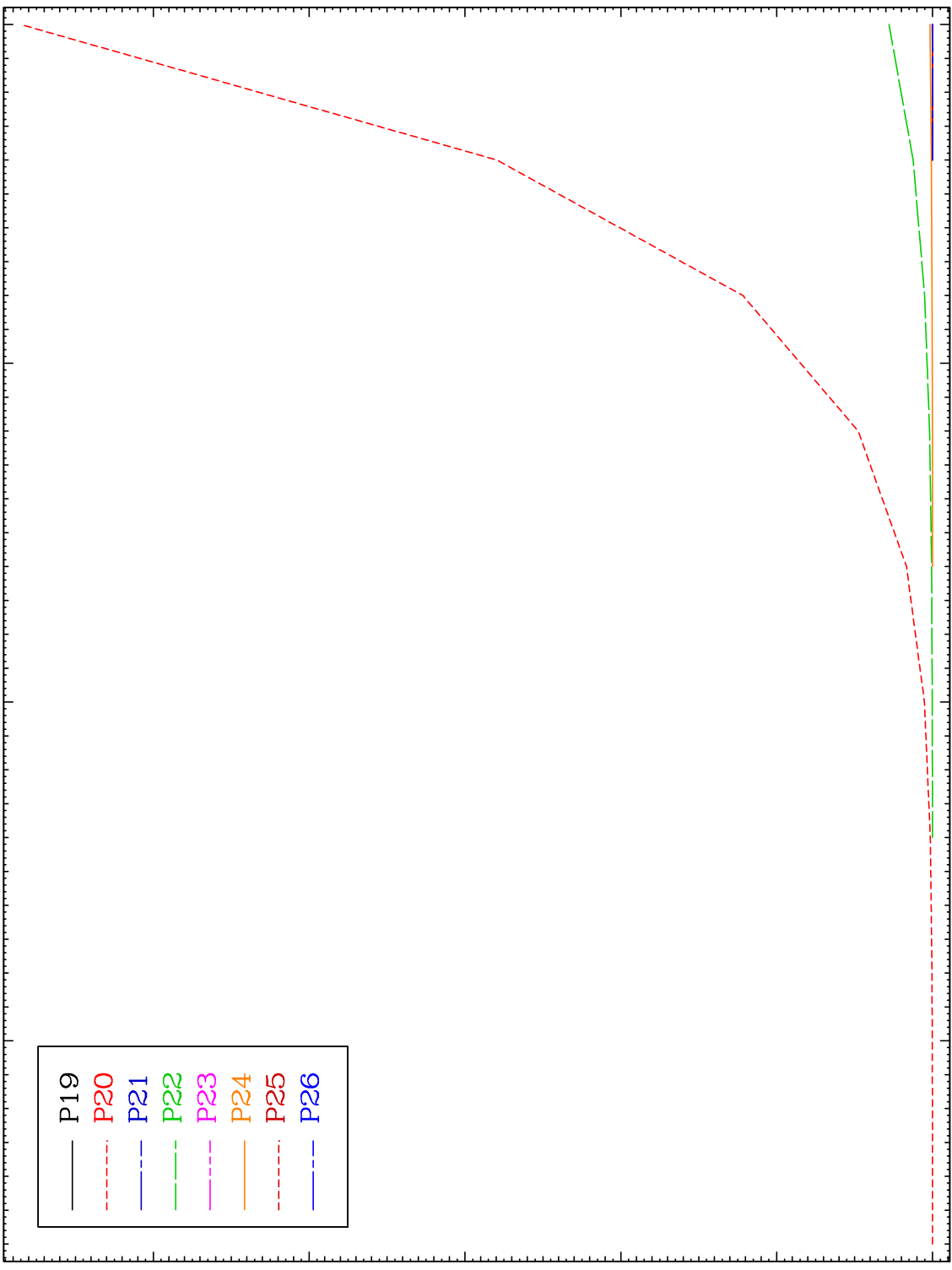
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Elastic Legendre Coefficients

53-I -133



$\times 10^{-6}$
1.0
0.8
0.6
0.4
0.2
0.0



15 20 25 30

18

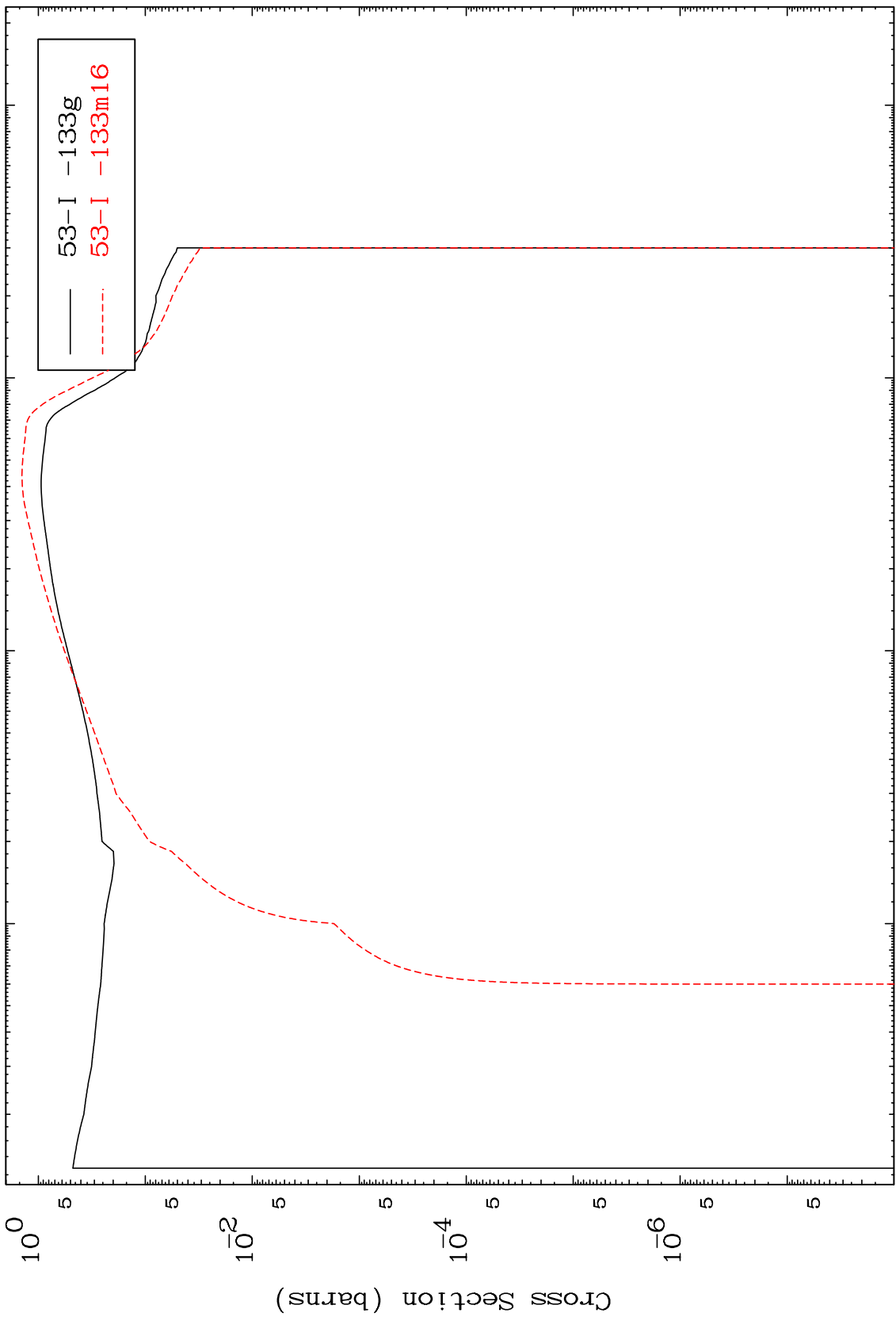
Incident Energy (MeV)

53-I -133

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53-I -133

Inelastic
Radionuclide Production Cross Section



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53-I -133

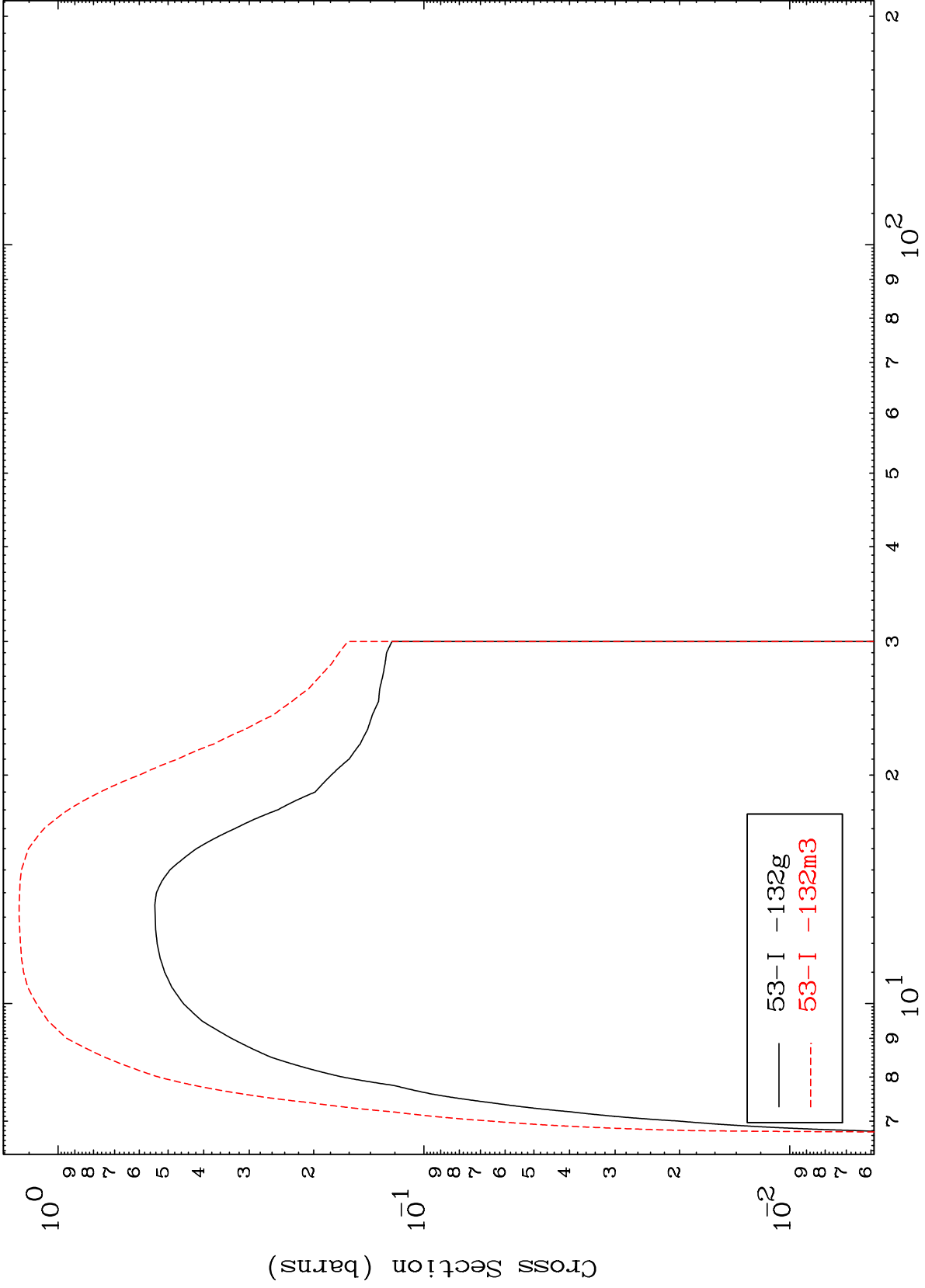
Incident Energy (MeV)

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(n,2n)

53-I -133

Radionuclide Production Cross Section



53-I -132g
53-I -132m3

20

Incident Energy (MeV)

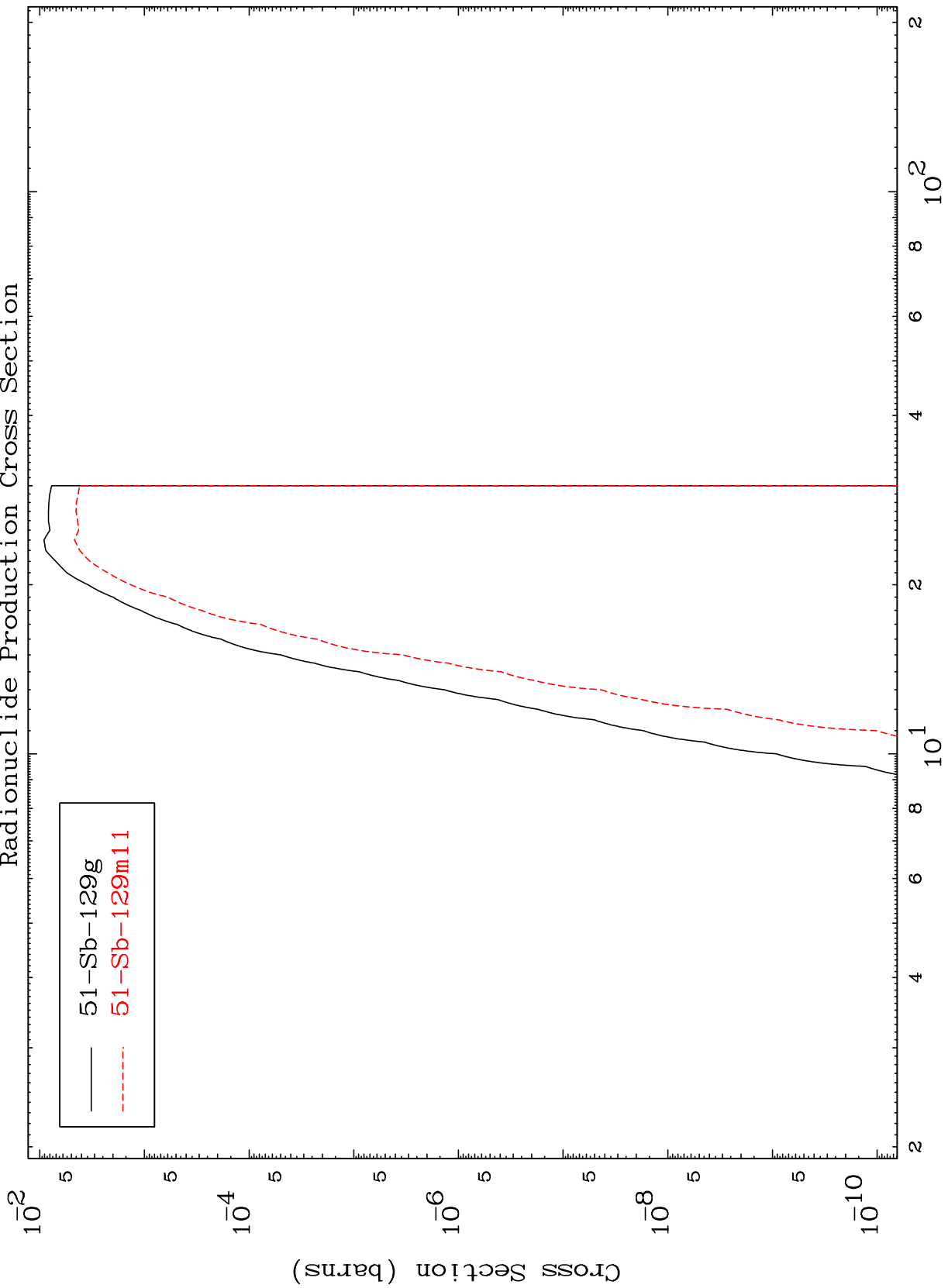
53-I -133

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(n,n') α

53-I -133

Radionuclide Production Cross Section



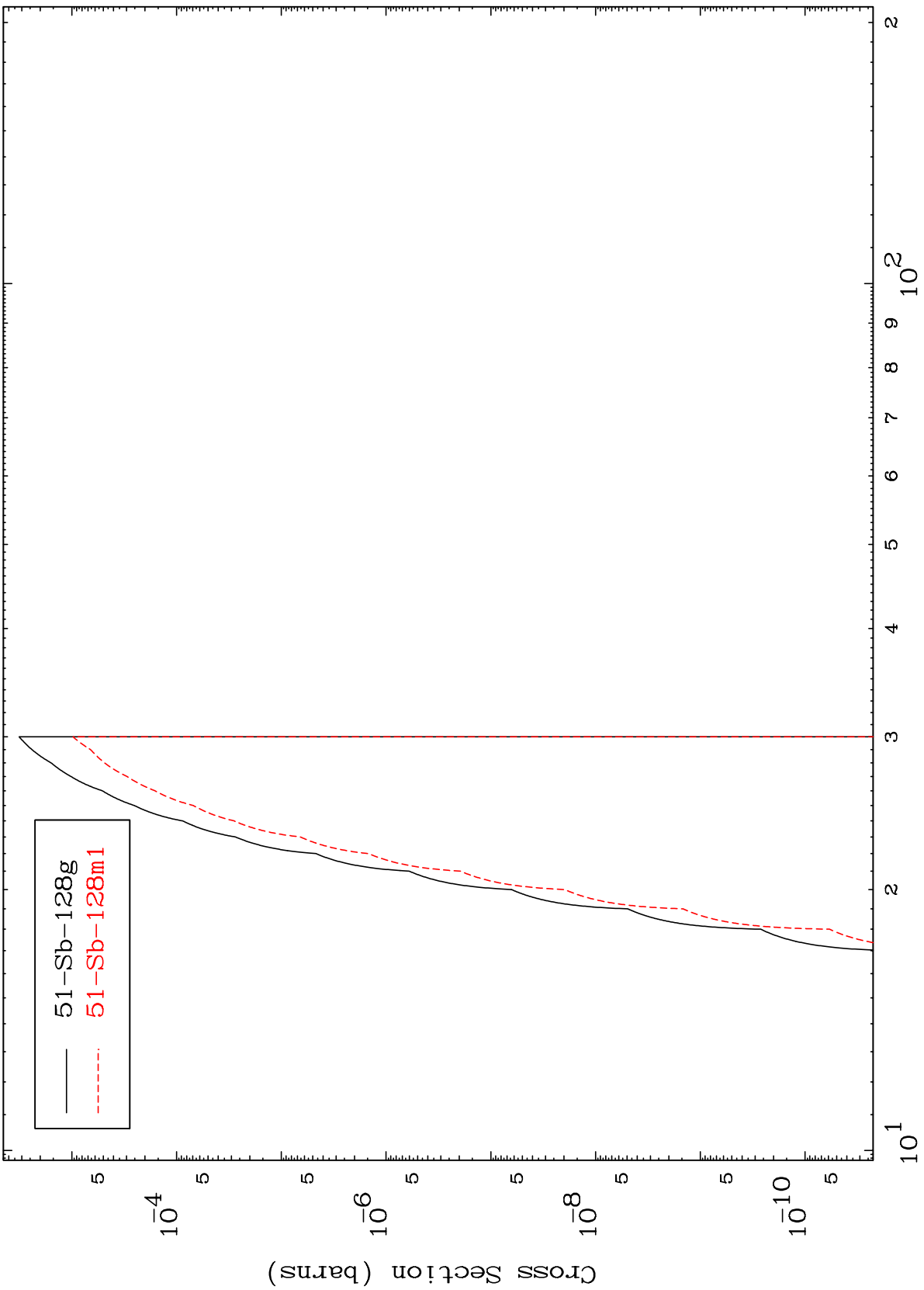
— 51-Sb-129g
- - - 51-Sb-129m11

MAT 5344

(n,2n) α

53-I -133

Radionuclide Production Cross Section

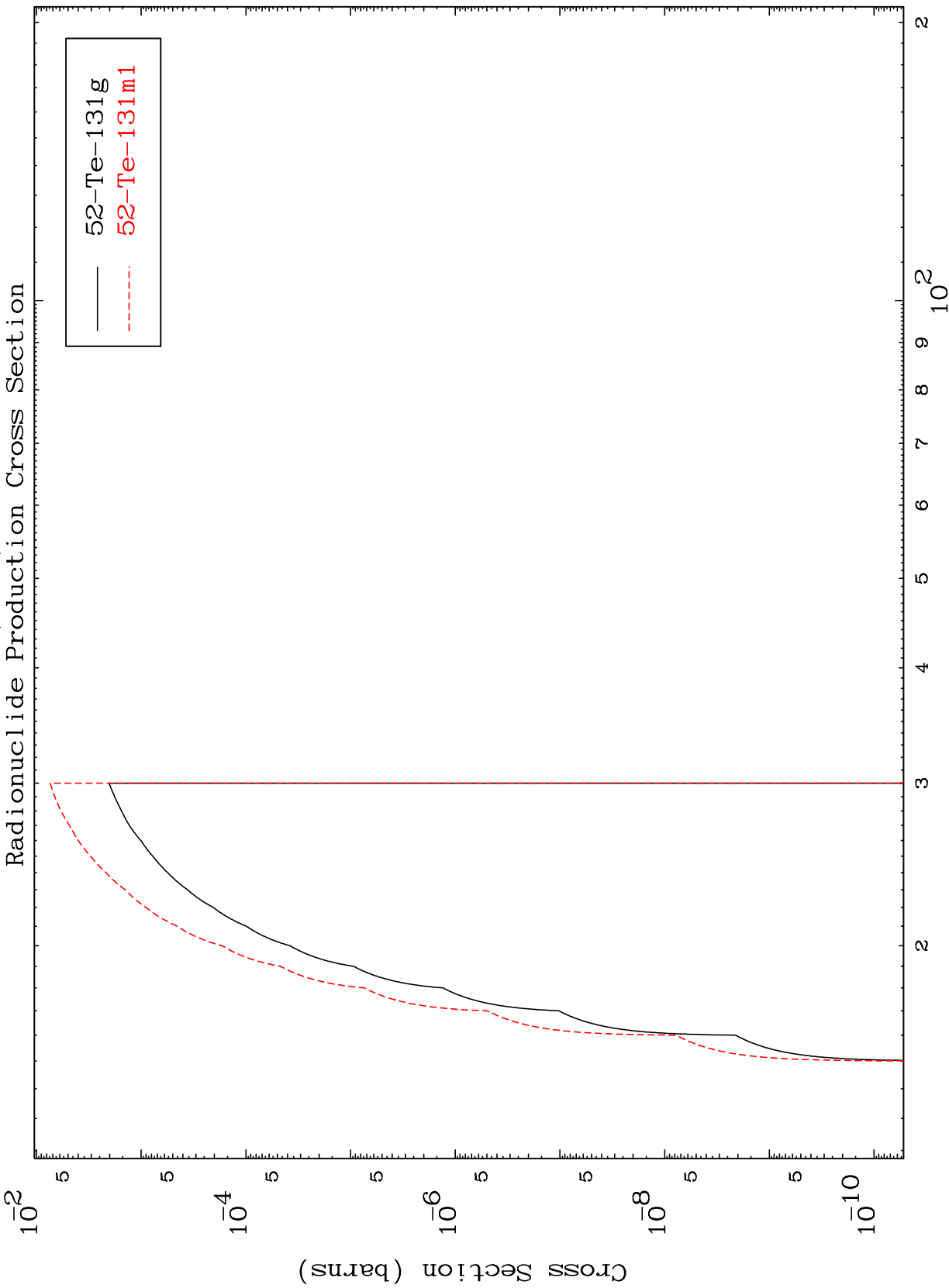


51-Sb-128g
51-Sb-128m1

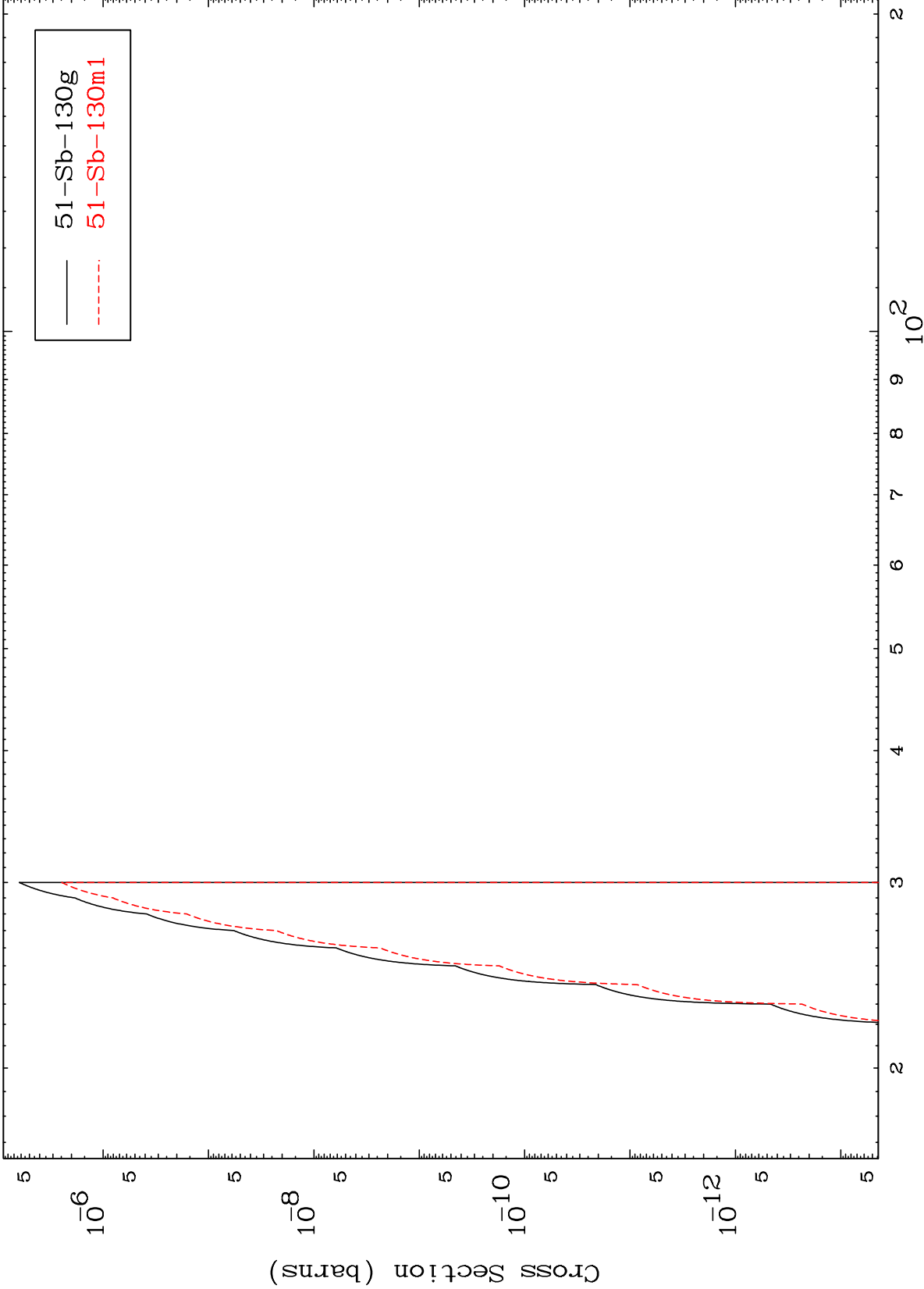
Incident Energy (MeV)

53-I -133

22



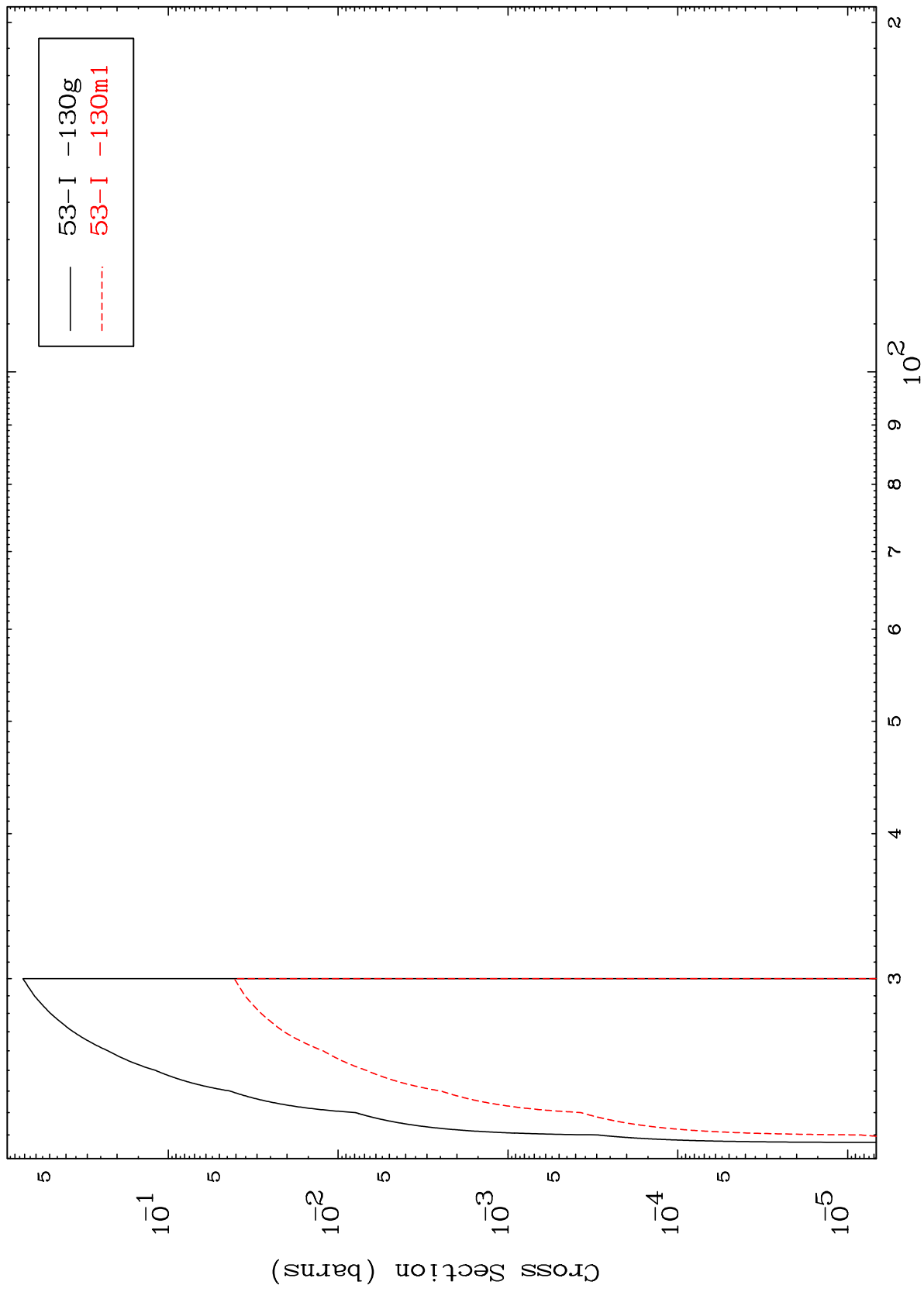
Radionuclide Production Cross Section



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53-I -133

(n,4n)
Radionuclide Production Cross Section

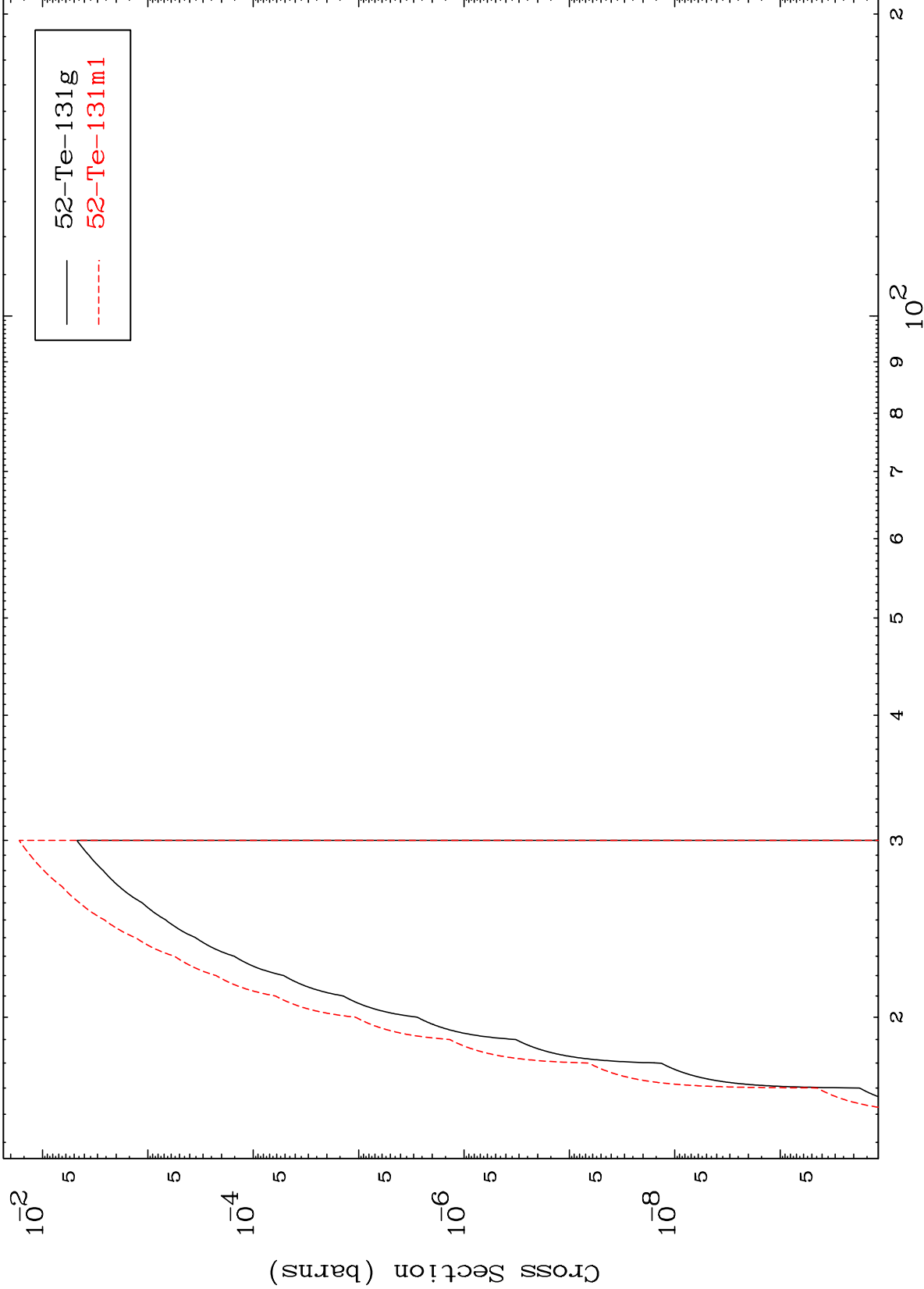


25

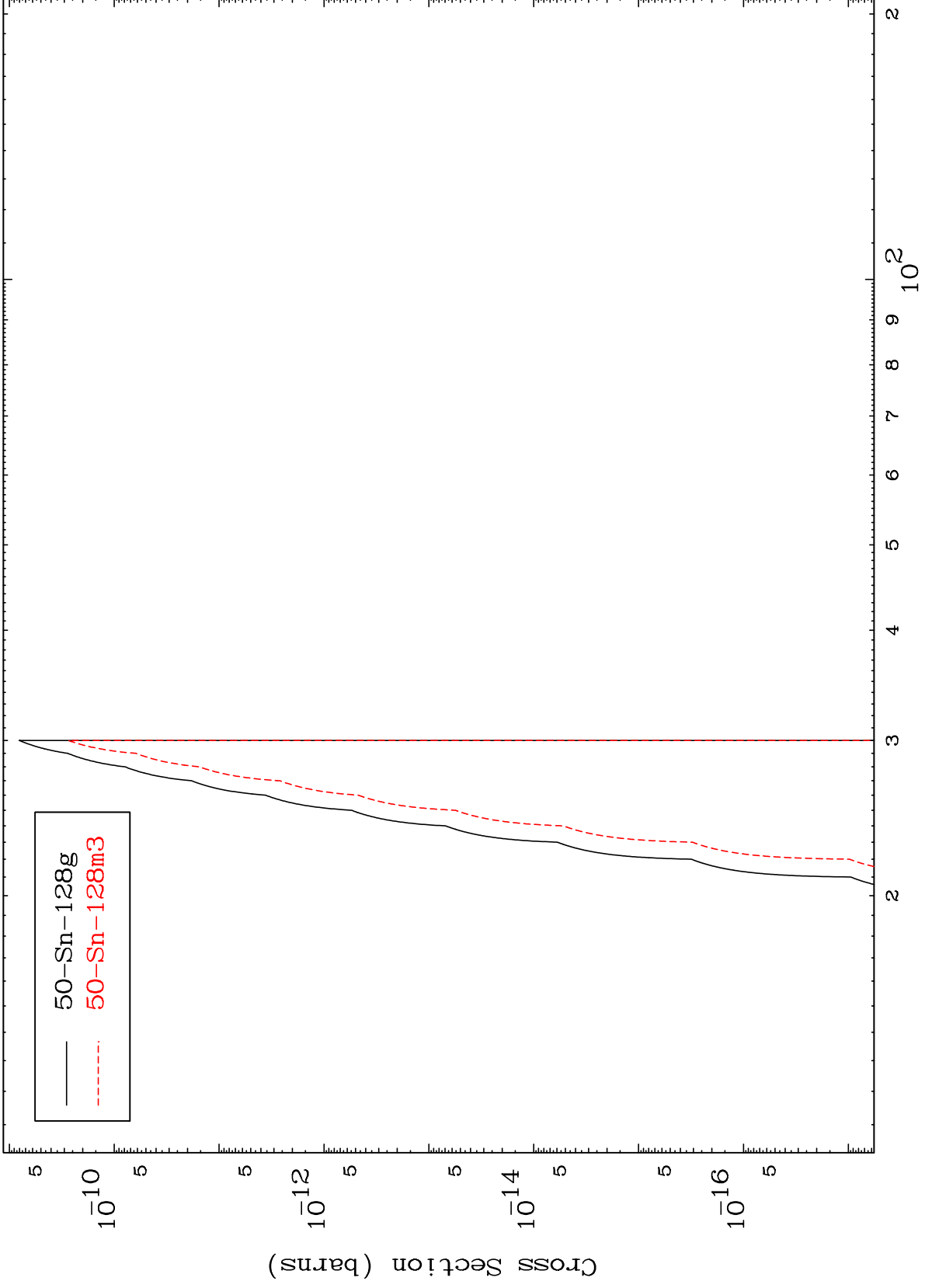
Incident Energy (MeV)

53-I -133

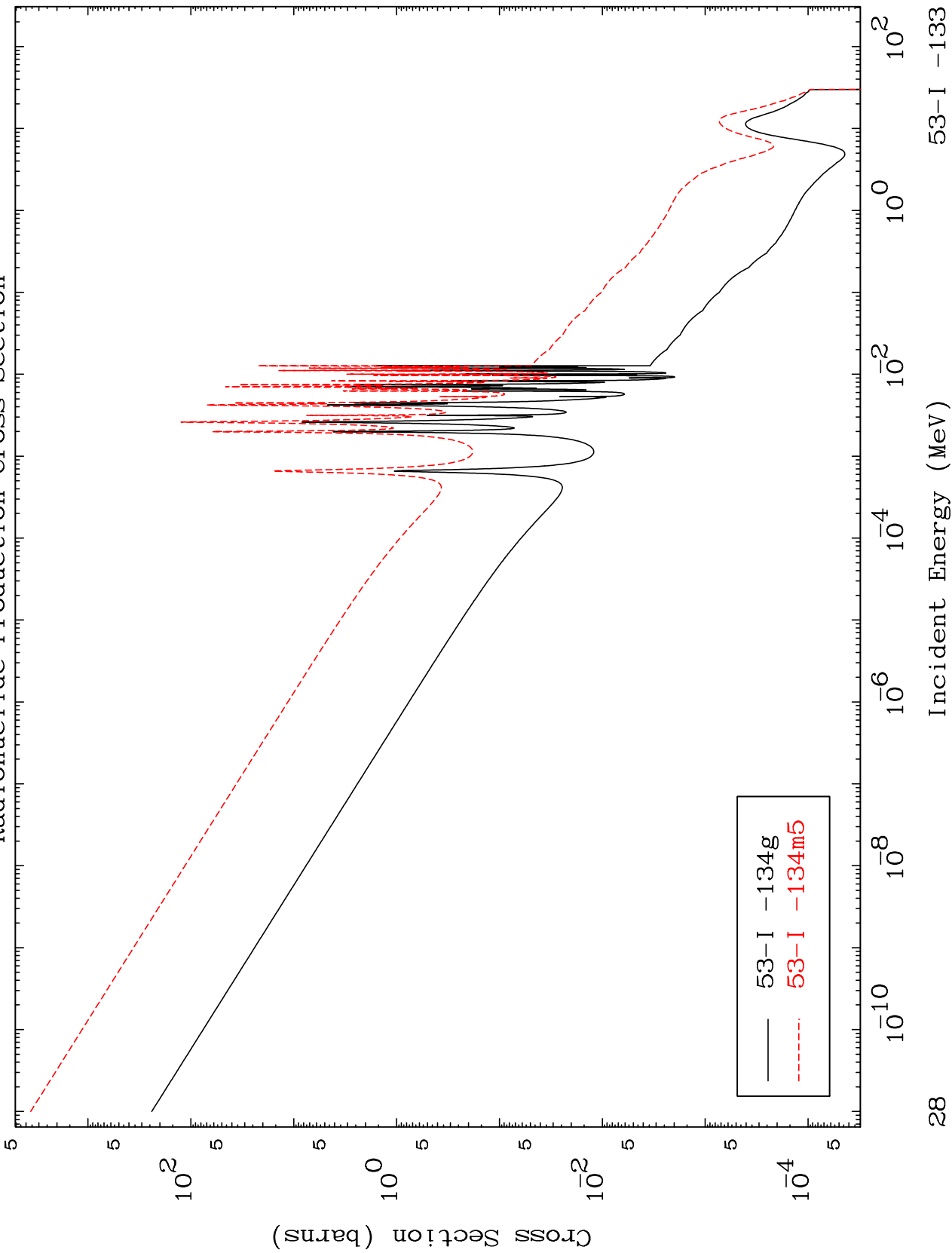
Radionuclide Production Cross Section



Radionuclide Production Cross Section



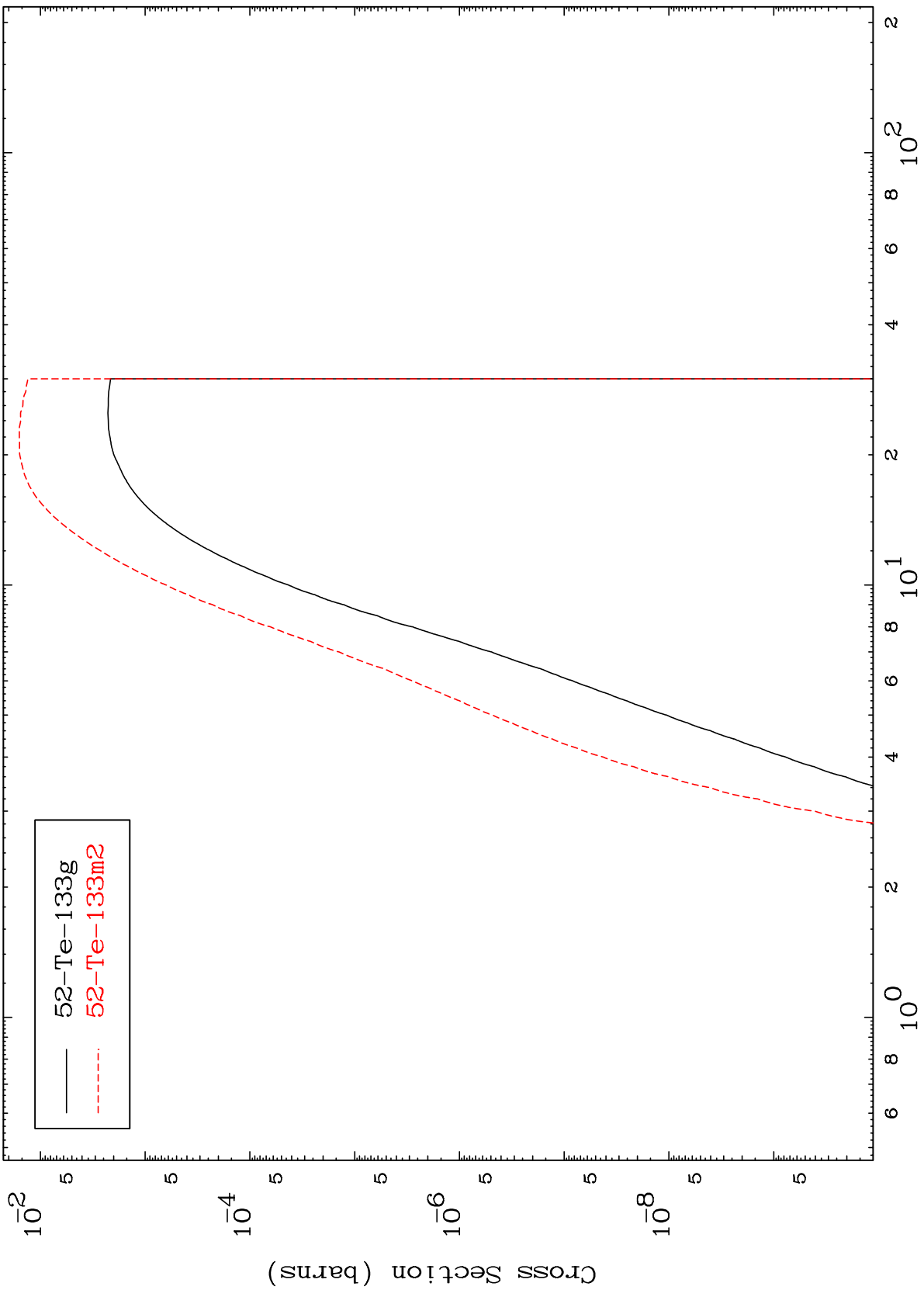
Radionuclide Production Cross Section



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53-I -133

(n,p)
Radionuclide Production Cross Section



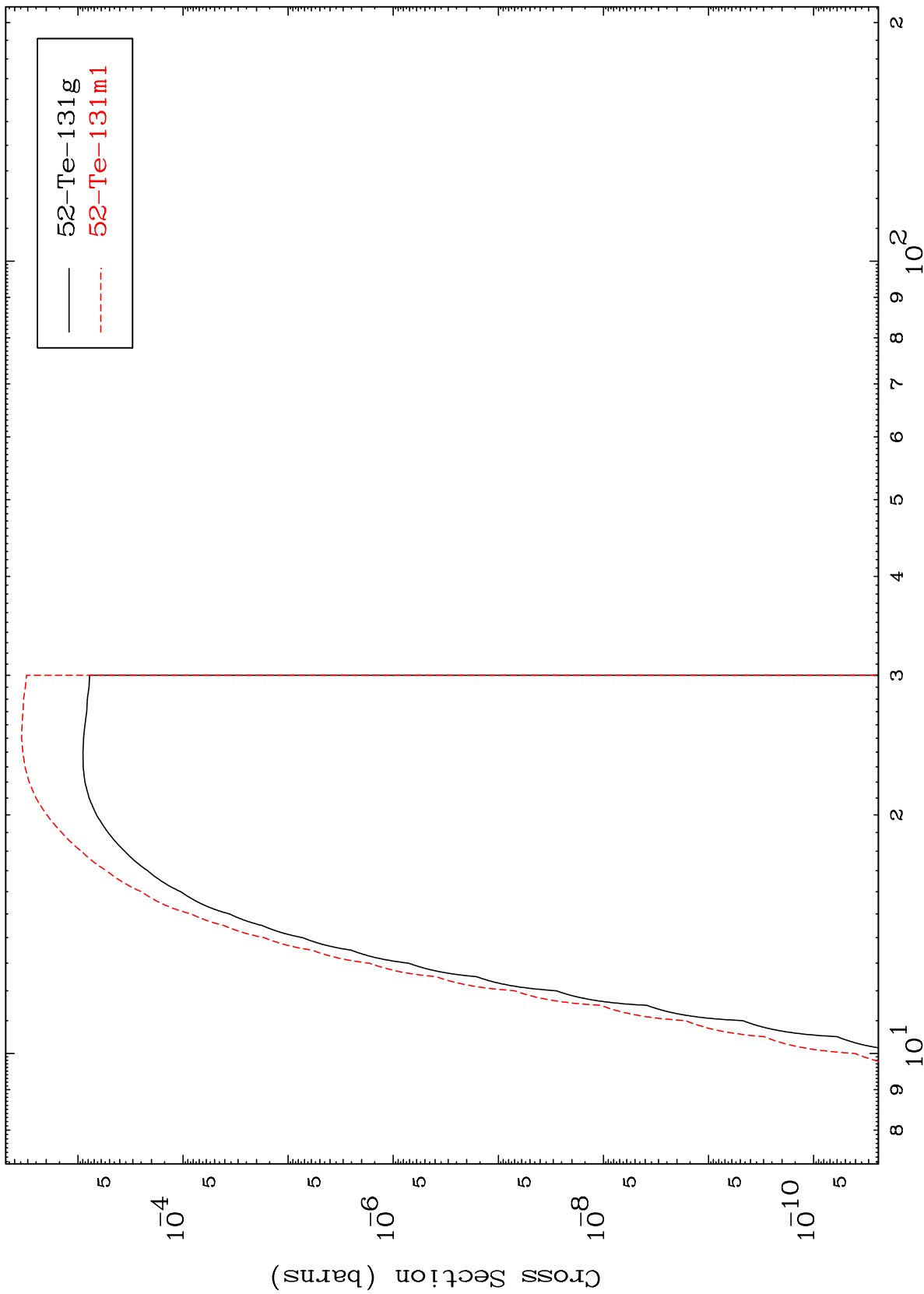
— 52-Te-133g
- - - 52-Te-133m2

29

Incident Energy (MeV)

53-I -133

(n,t)
Radionuclide Production Cross Section

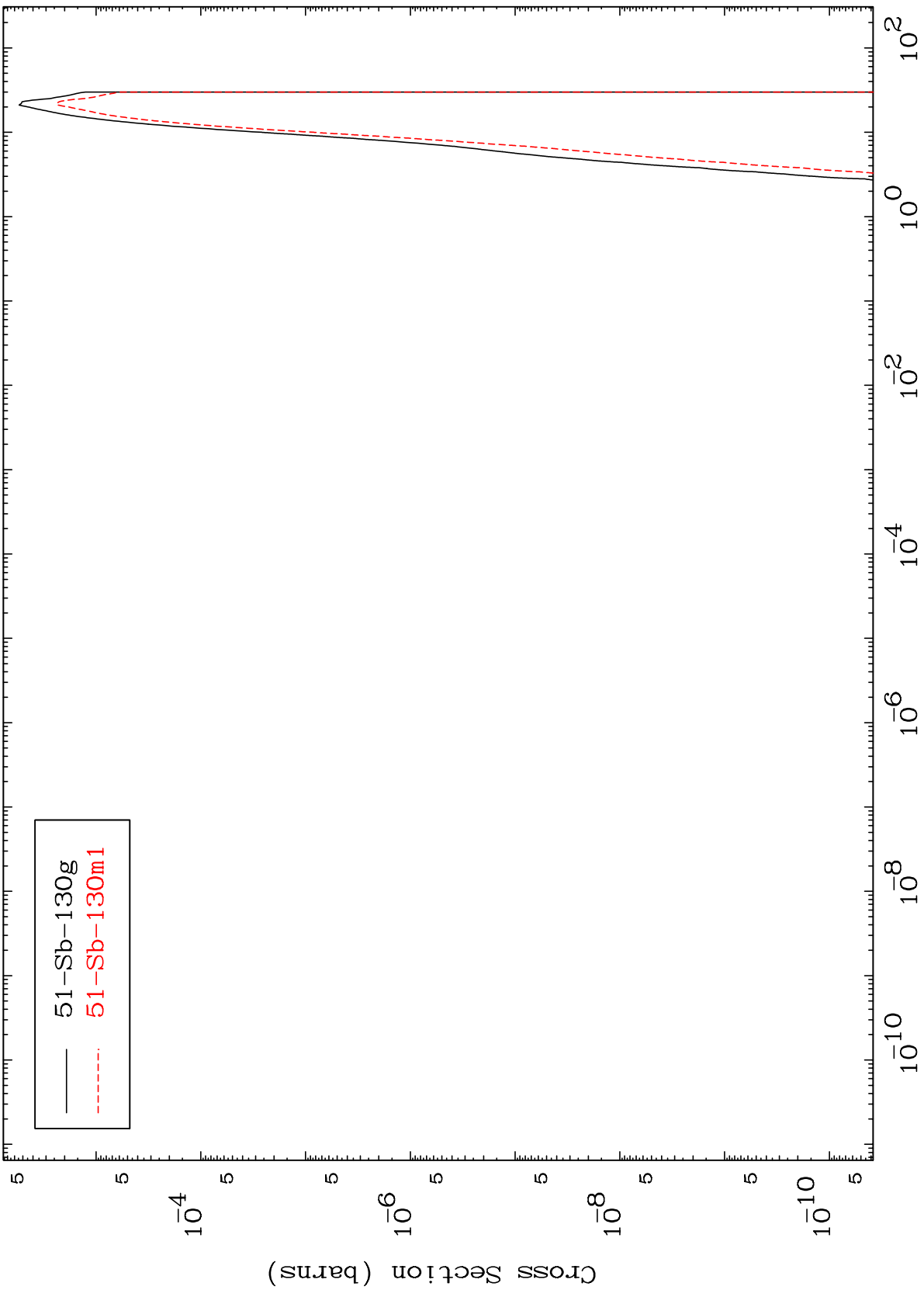


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(n, α)

53-I -133

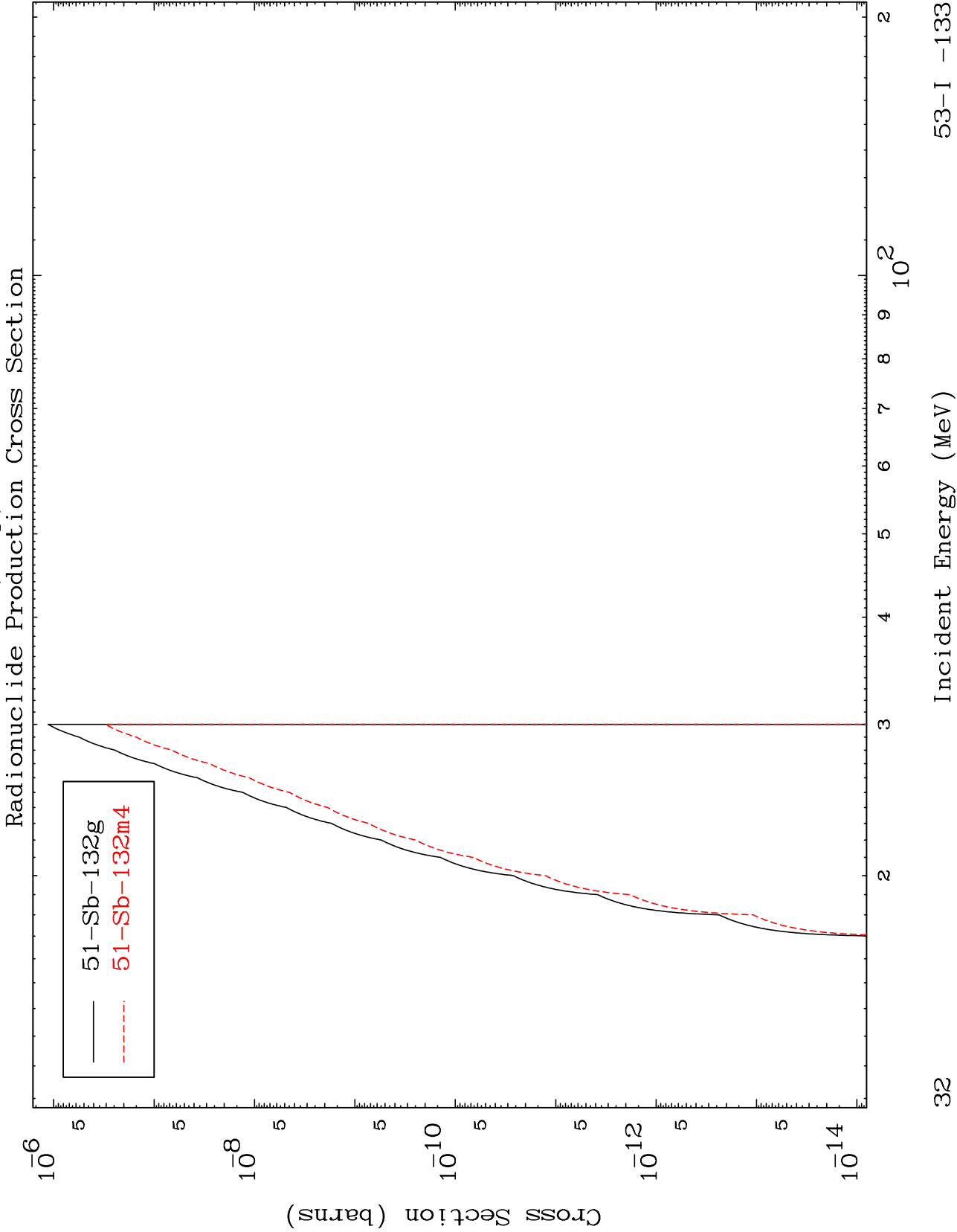
Radionuclide Production Cross Section



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(n,2p)

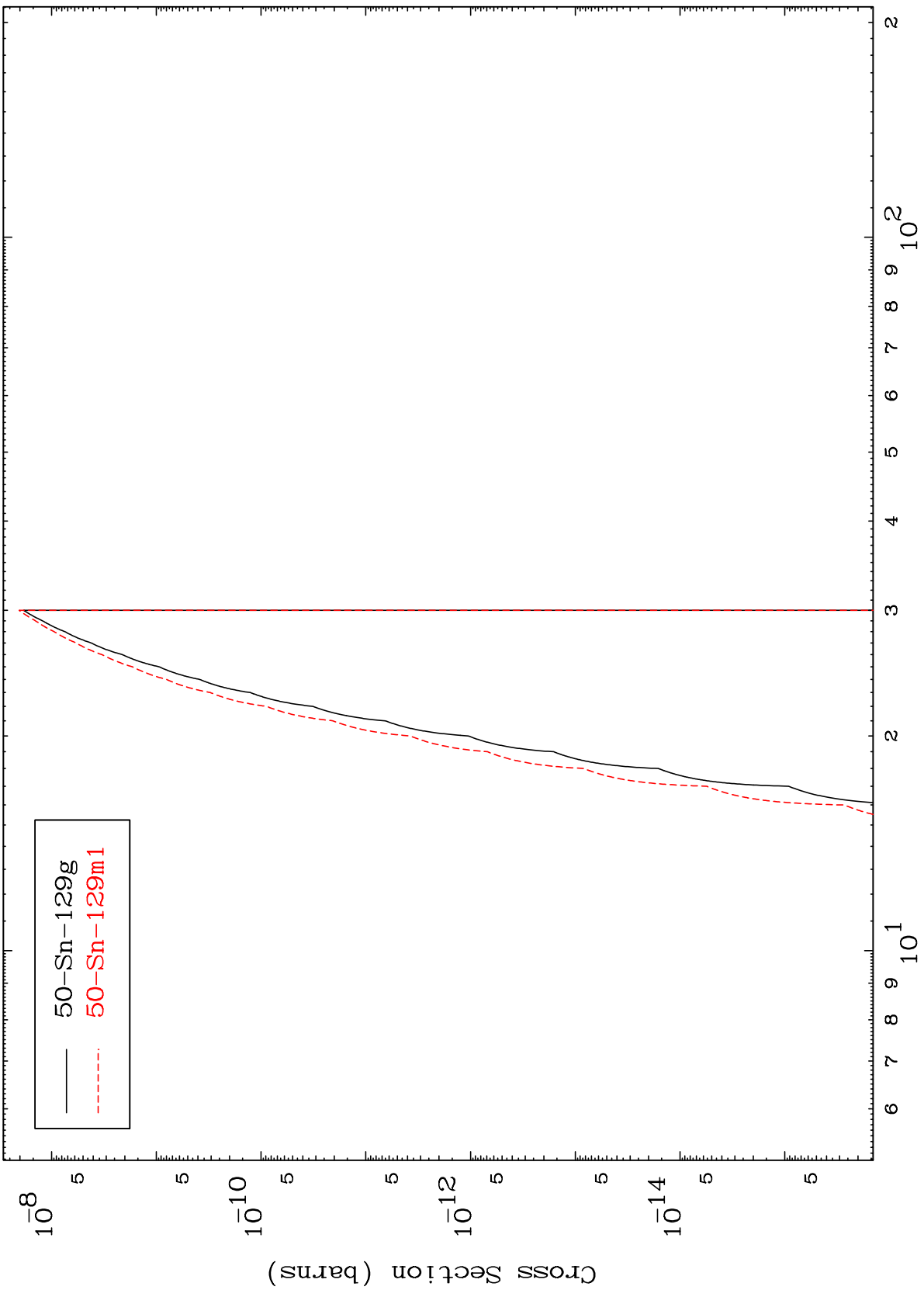
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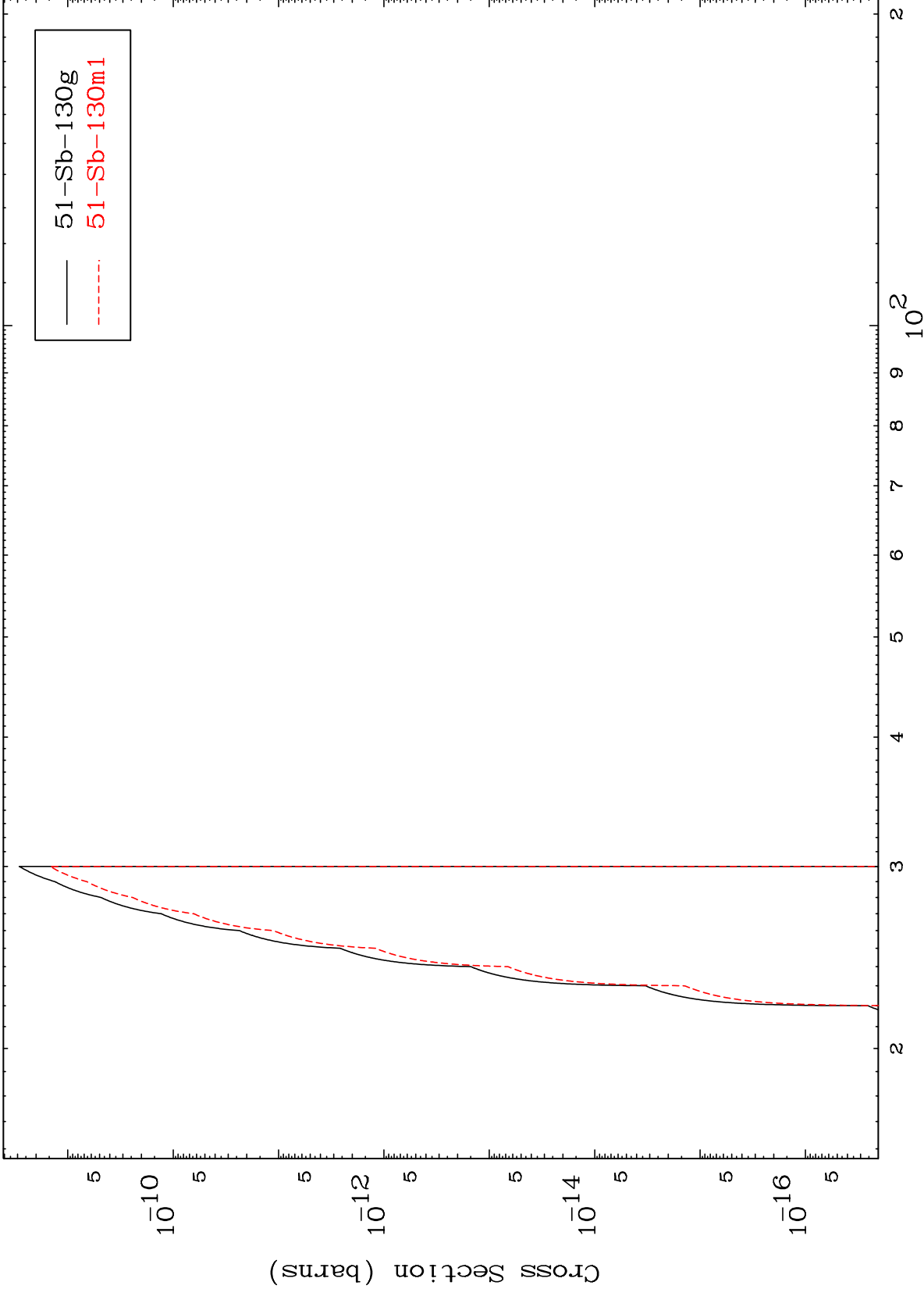
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Radionuclide Production Cross Section



Radionuclide Production Cross Section



51-Sb-130g
51-Sb-130m1