

Program EVALPLOT
(Version 2021-1)

by

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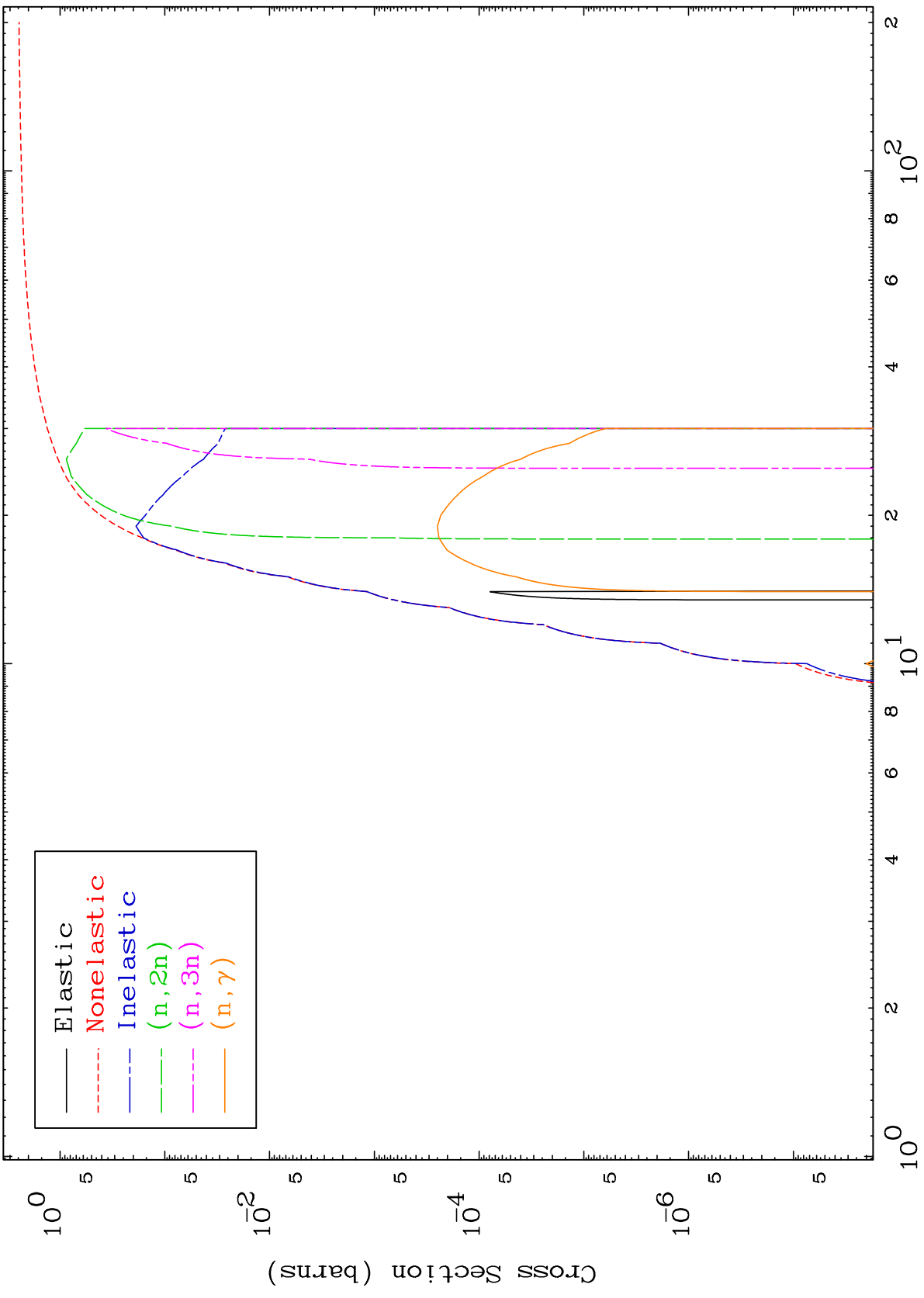
Press Mouse Button to Start

MAT 6428

α Major

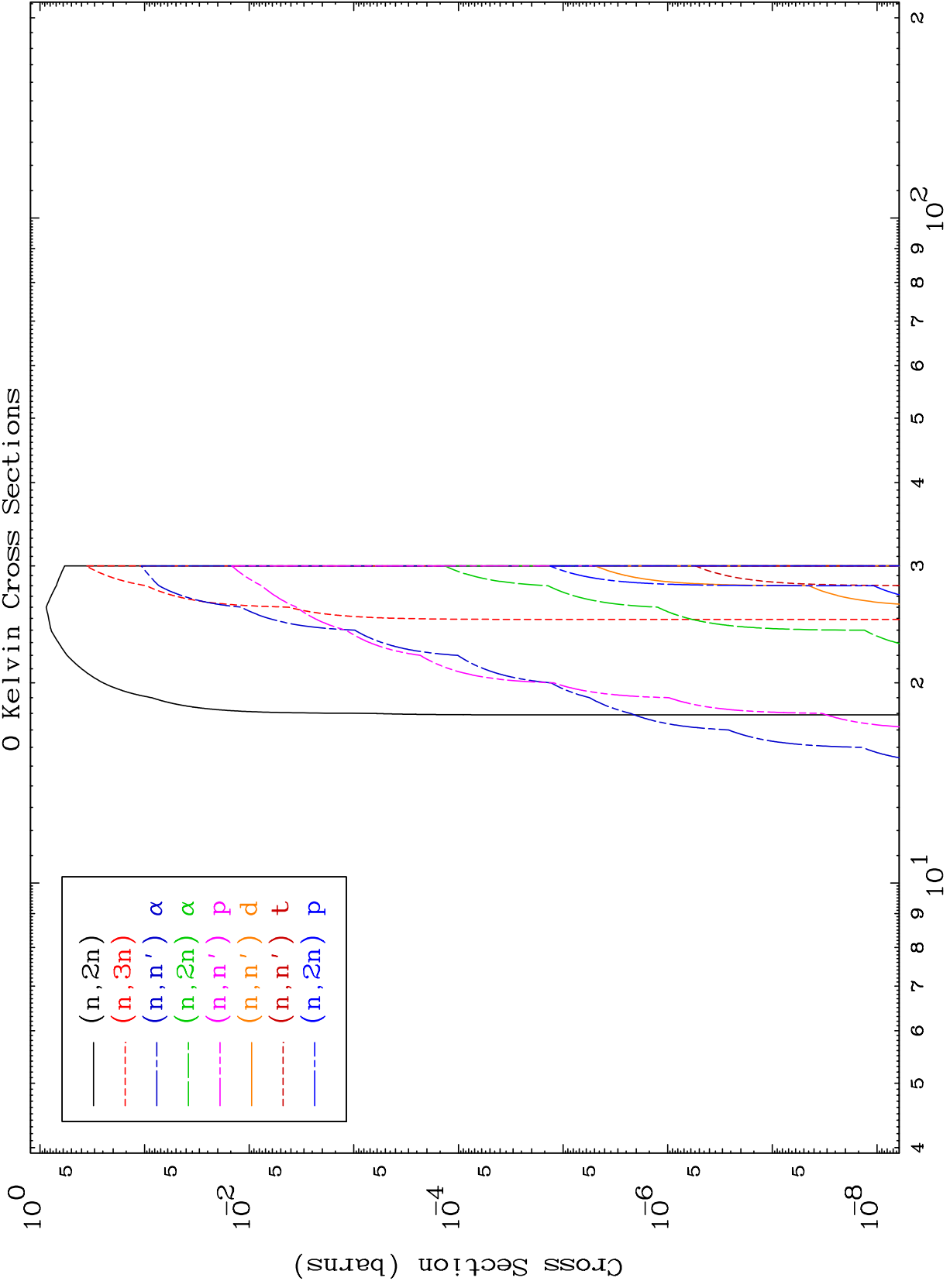
64-Gd-153

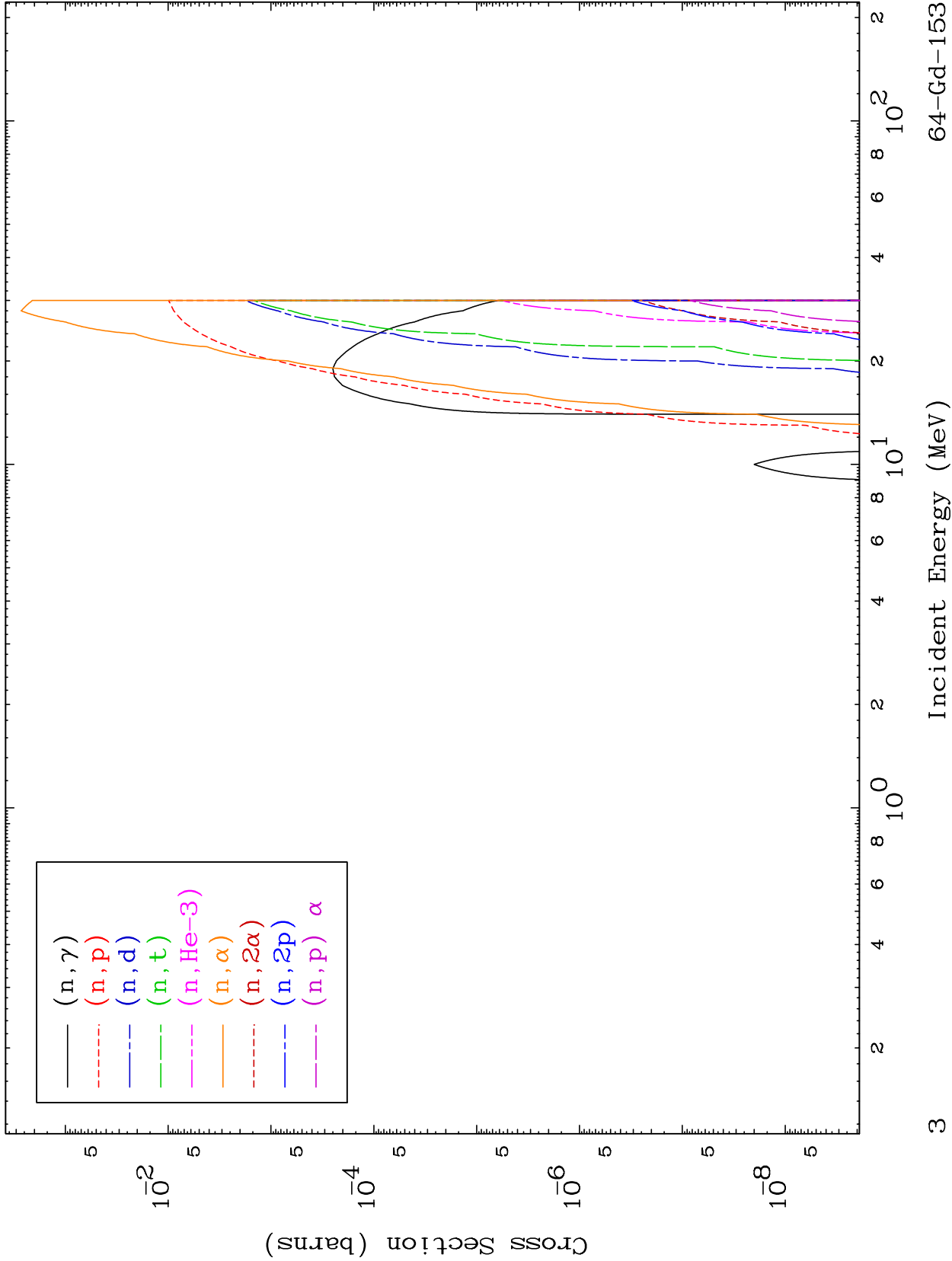
0 Kelvin Cross Sections

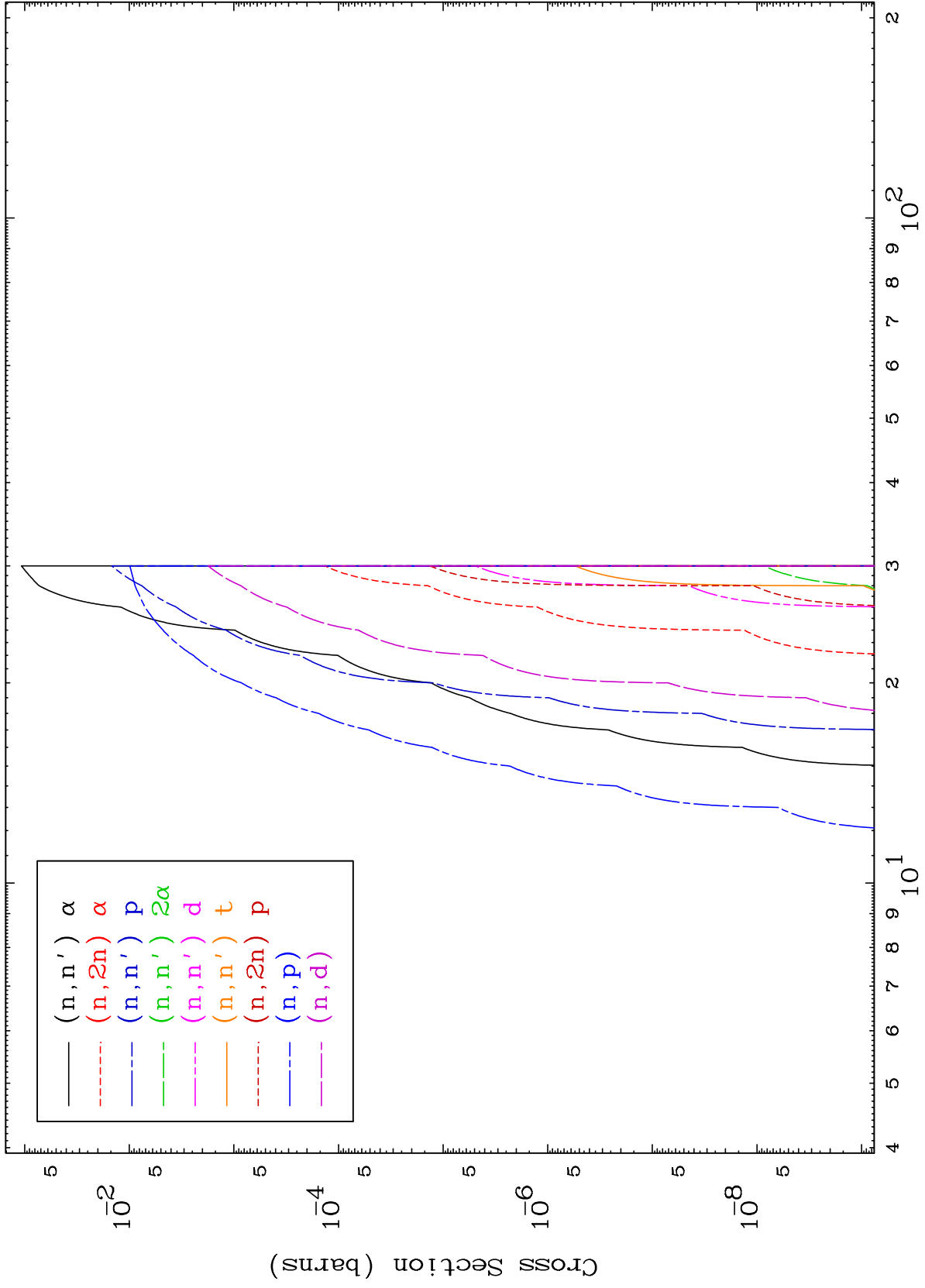


Incident Energy (MeV)

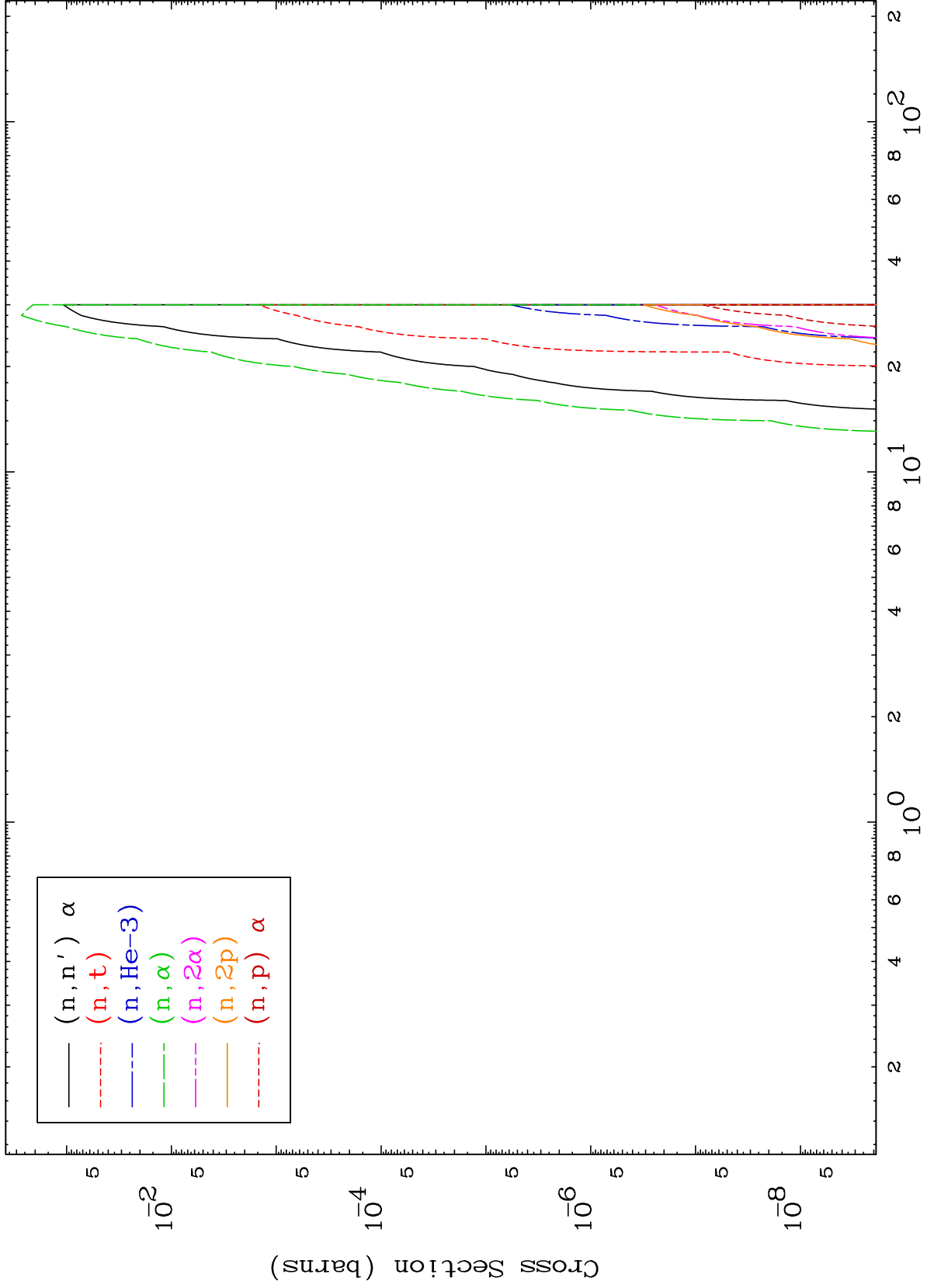
64-Gd-153







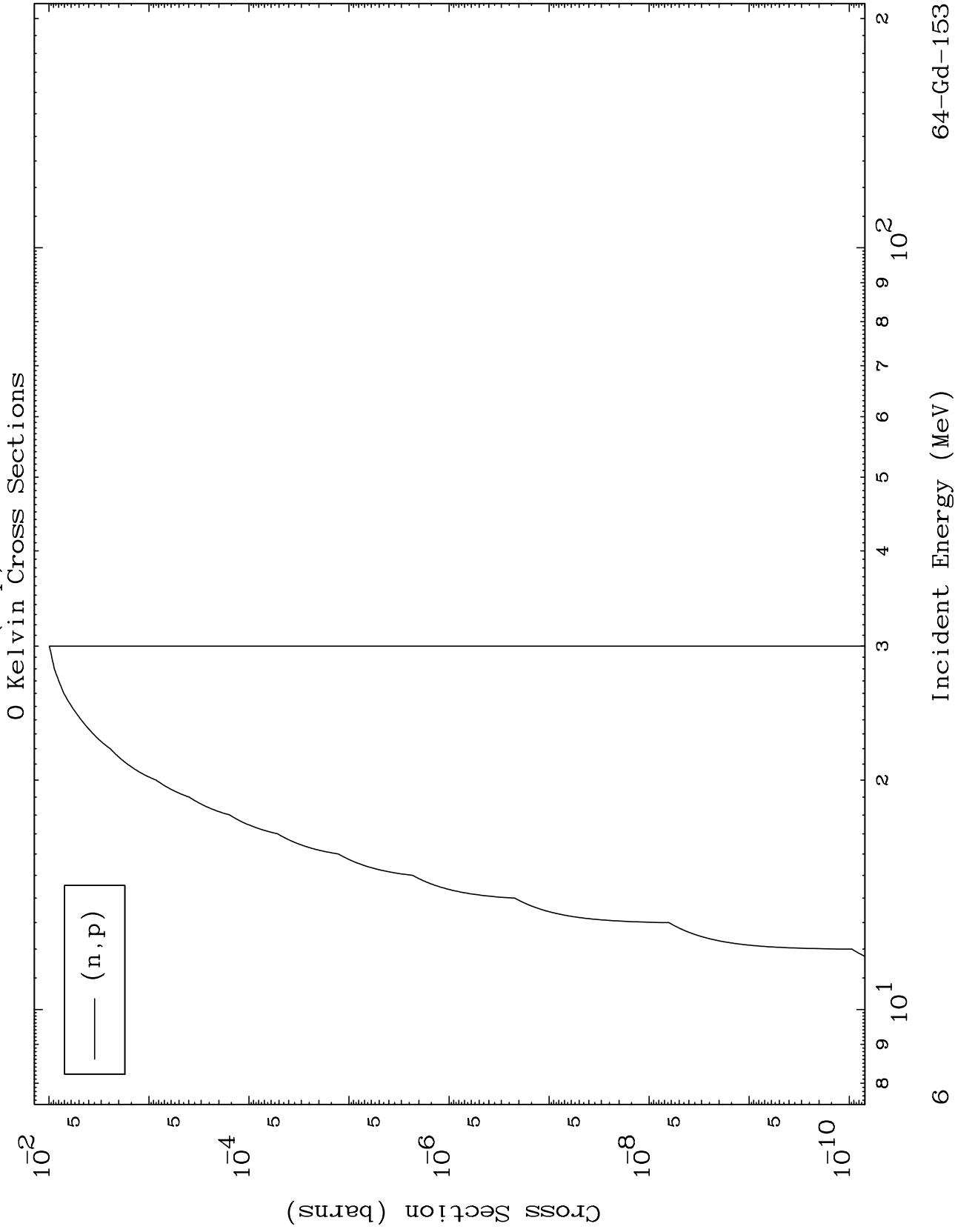
0 Kelvin Cross Sections



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(α, p) Levels

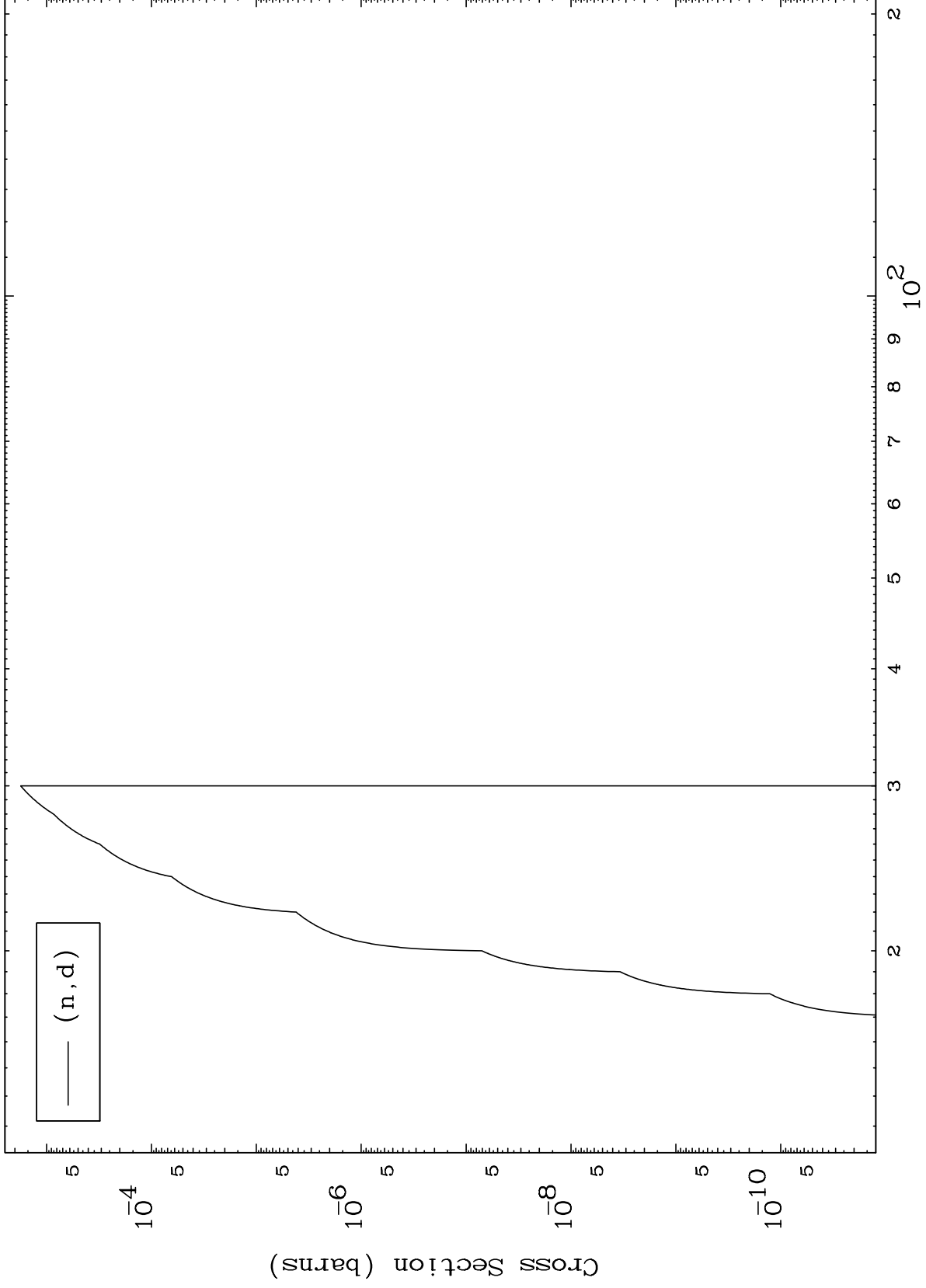
64-Gd-153

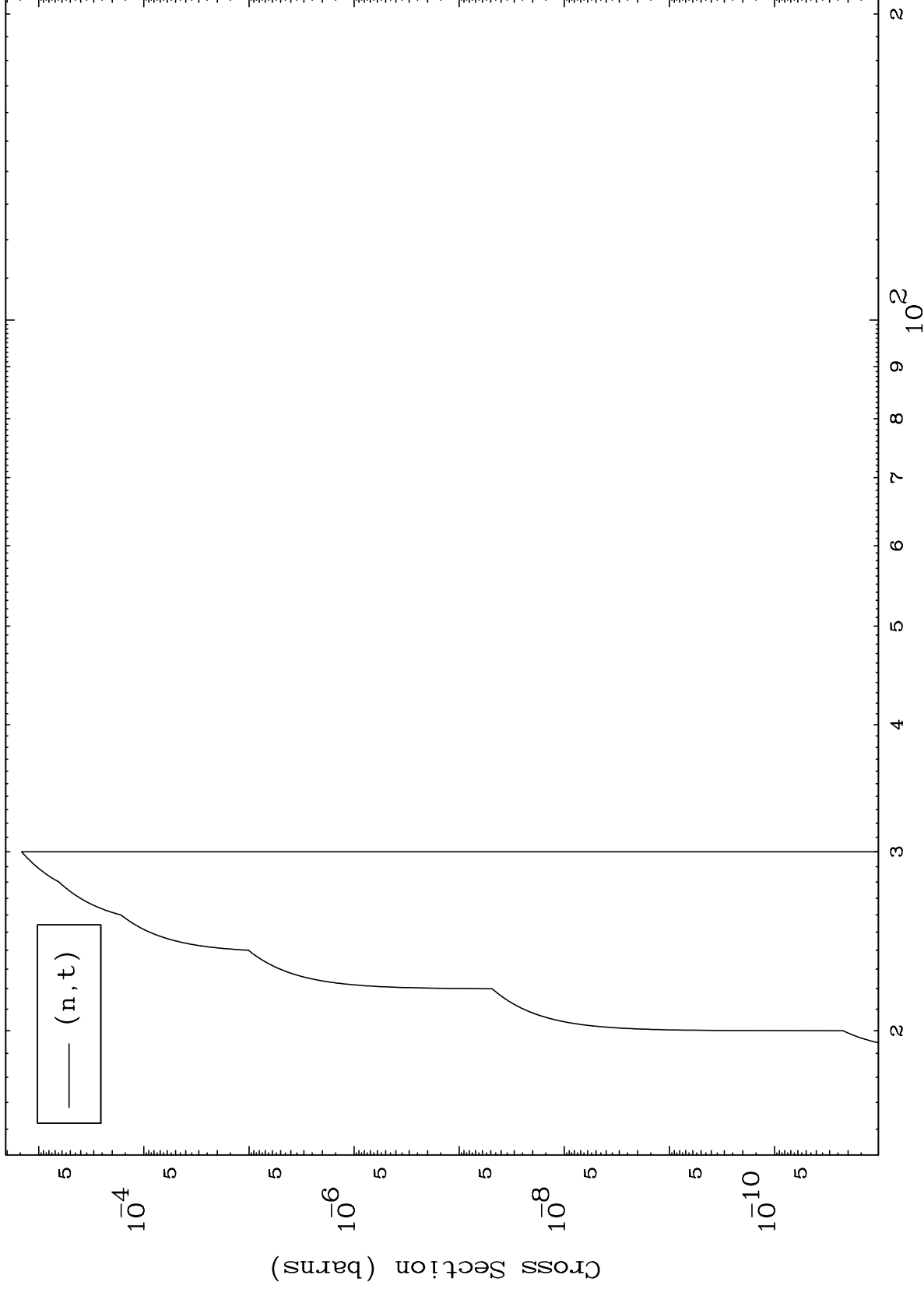


64-Gd-153

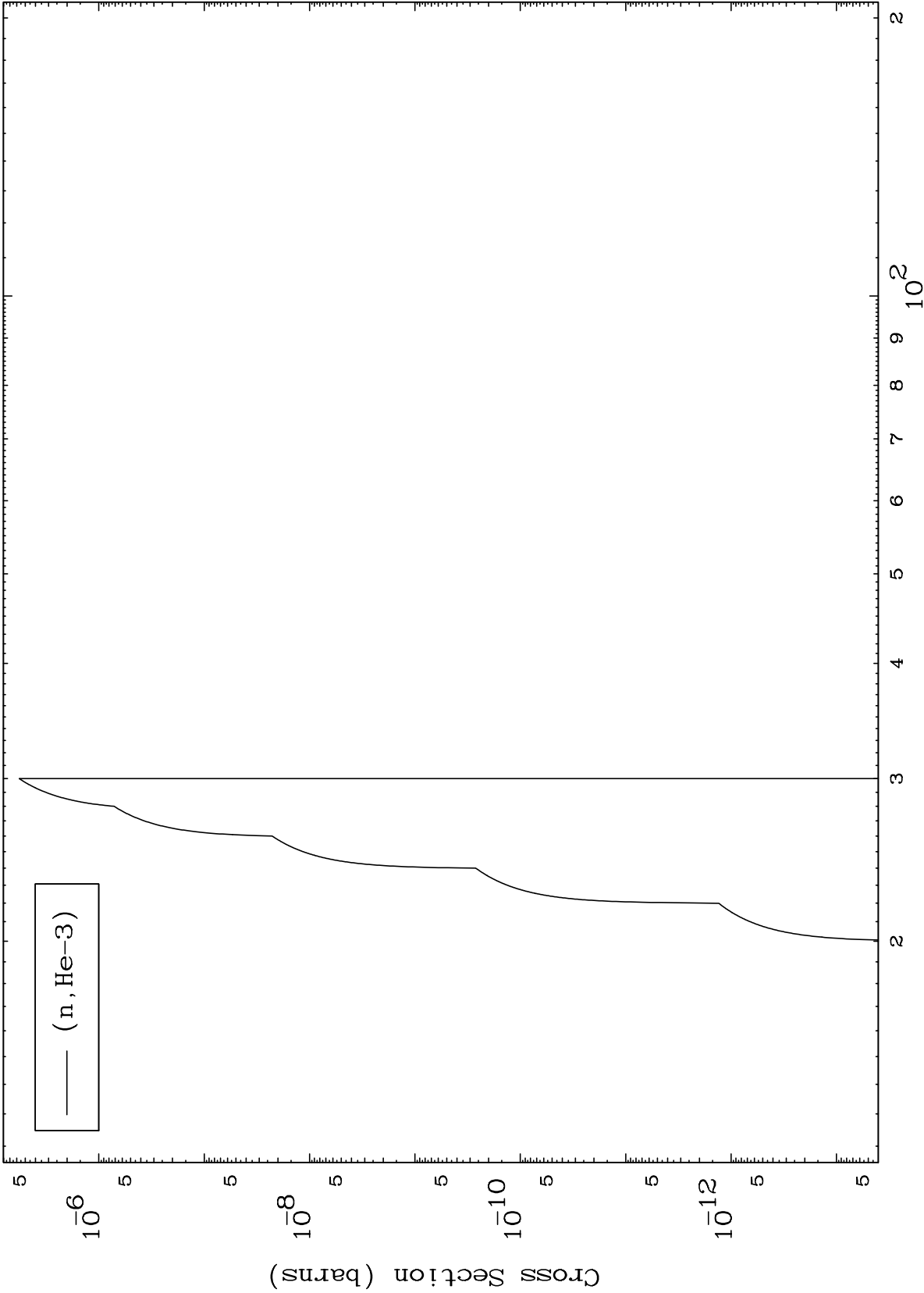
Incident Energy (MeV)

6





($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

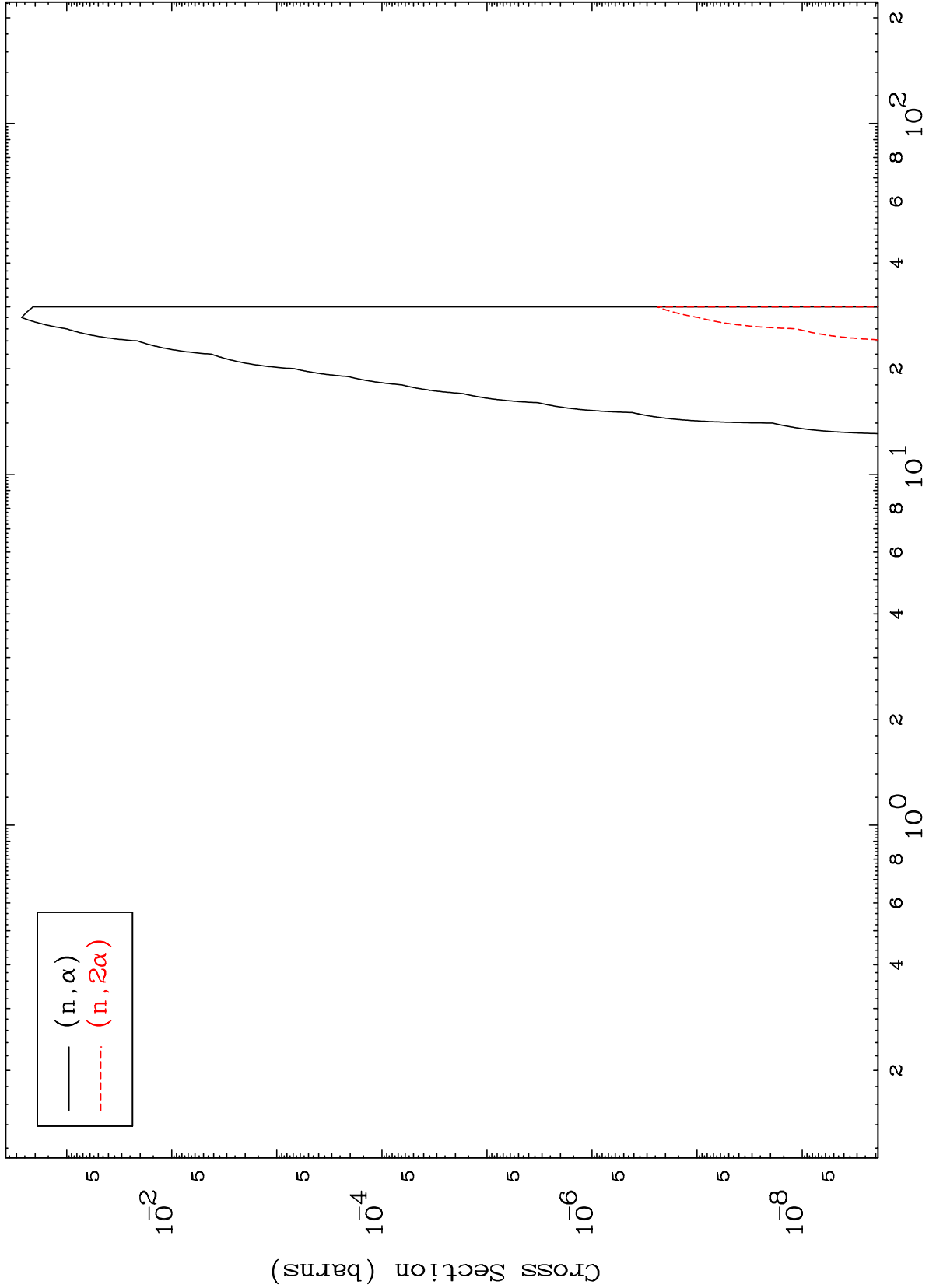


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(α, α) Levels

64-Gd-153

0 Kelvin Cross Sections



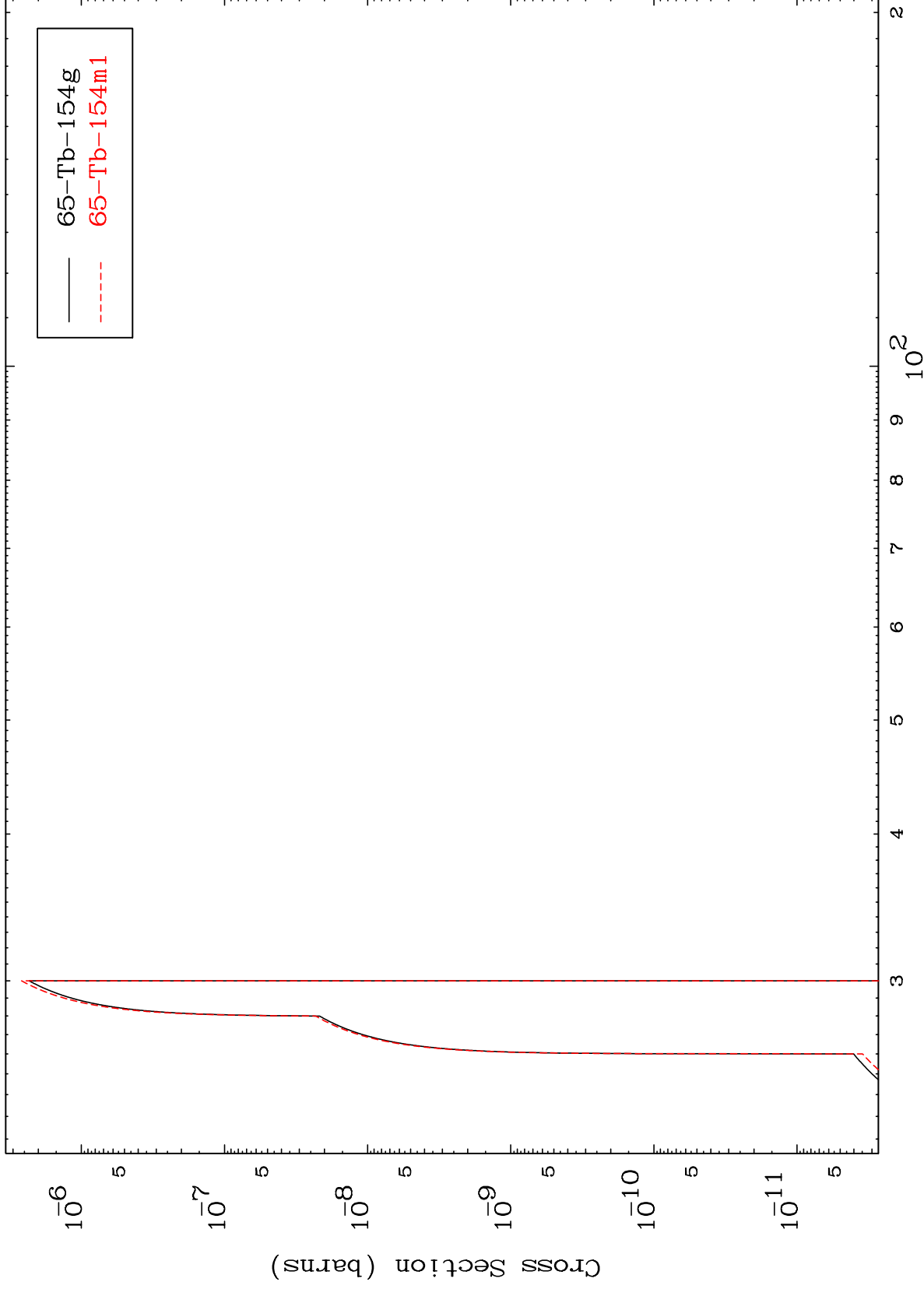
— (n, α)
- - - ($n, 2\alpha$)

10

Incident Energy (MeV)

64-Gd-153

Radionuclide Production Cross Section

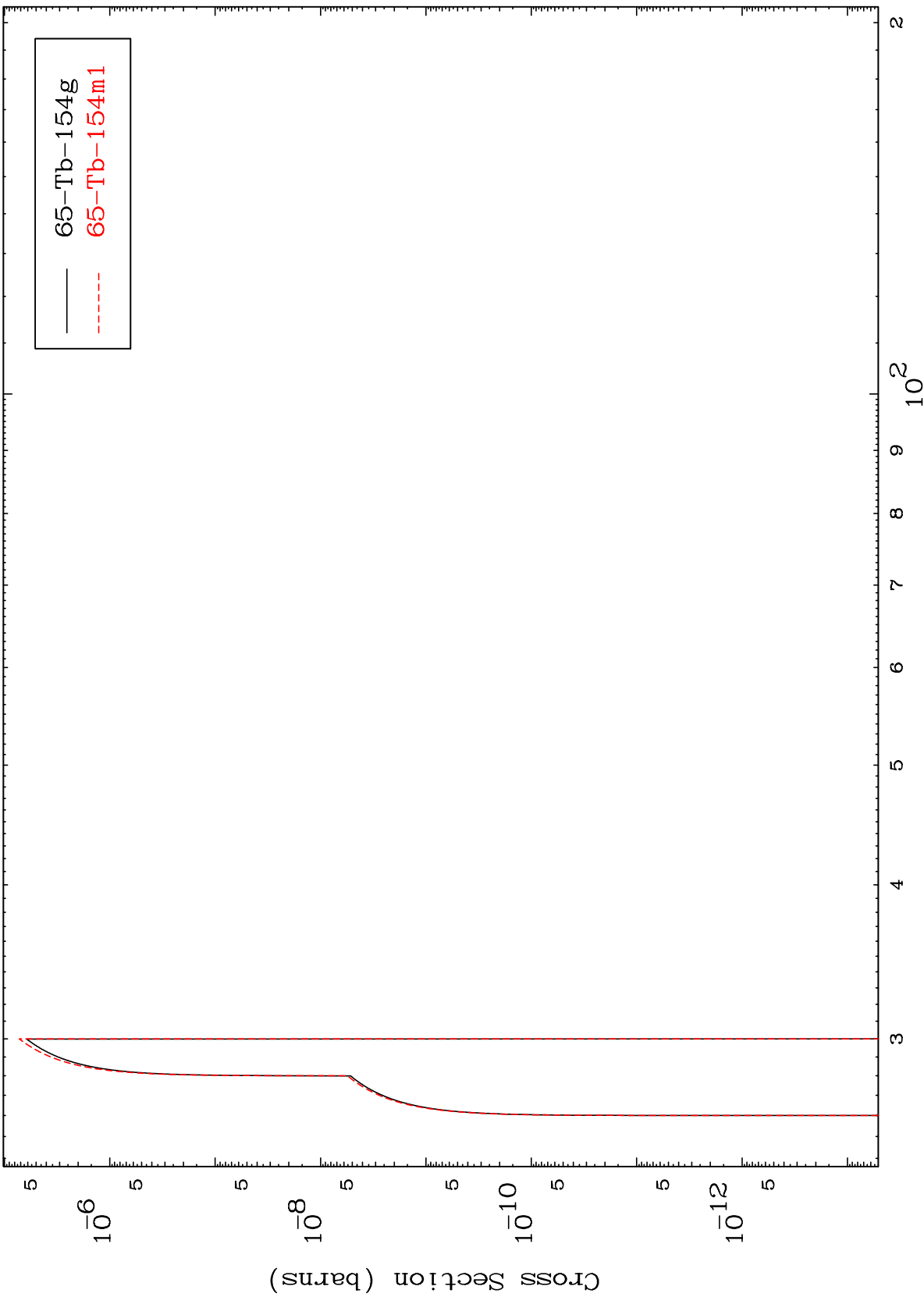


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(n,2n) p

64-Gd-153

Radionuclide Production Cross Section



65-Tb-154g
65-Tb-154m1

12

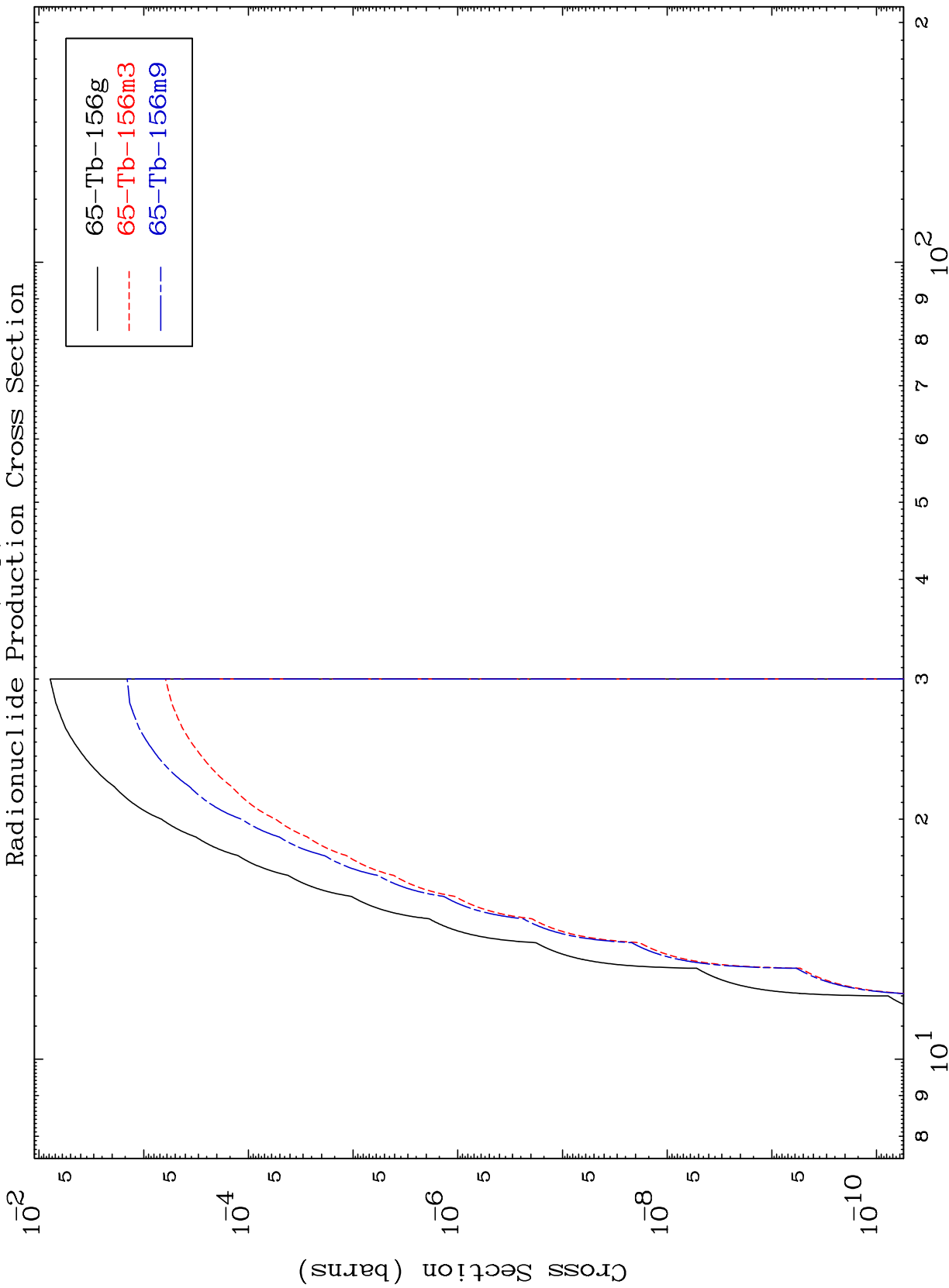
Incident Energy (MeV)

64-Gd-153

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64-Gd-153

(n,p)
Radionuclide Production Cross Section



65-Tb-156g
65-Tb-156m3
65-Tb-156m9

13

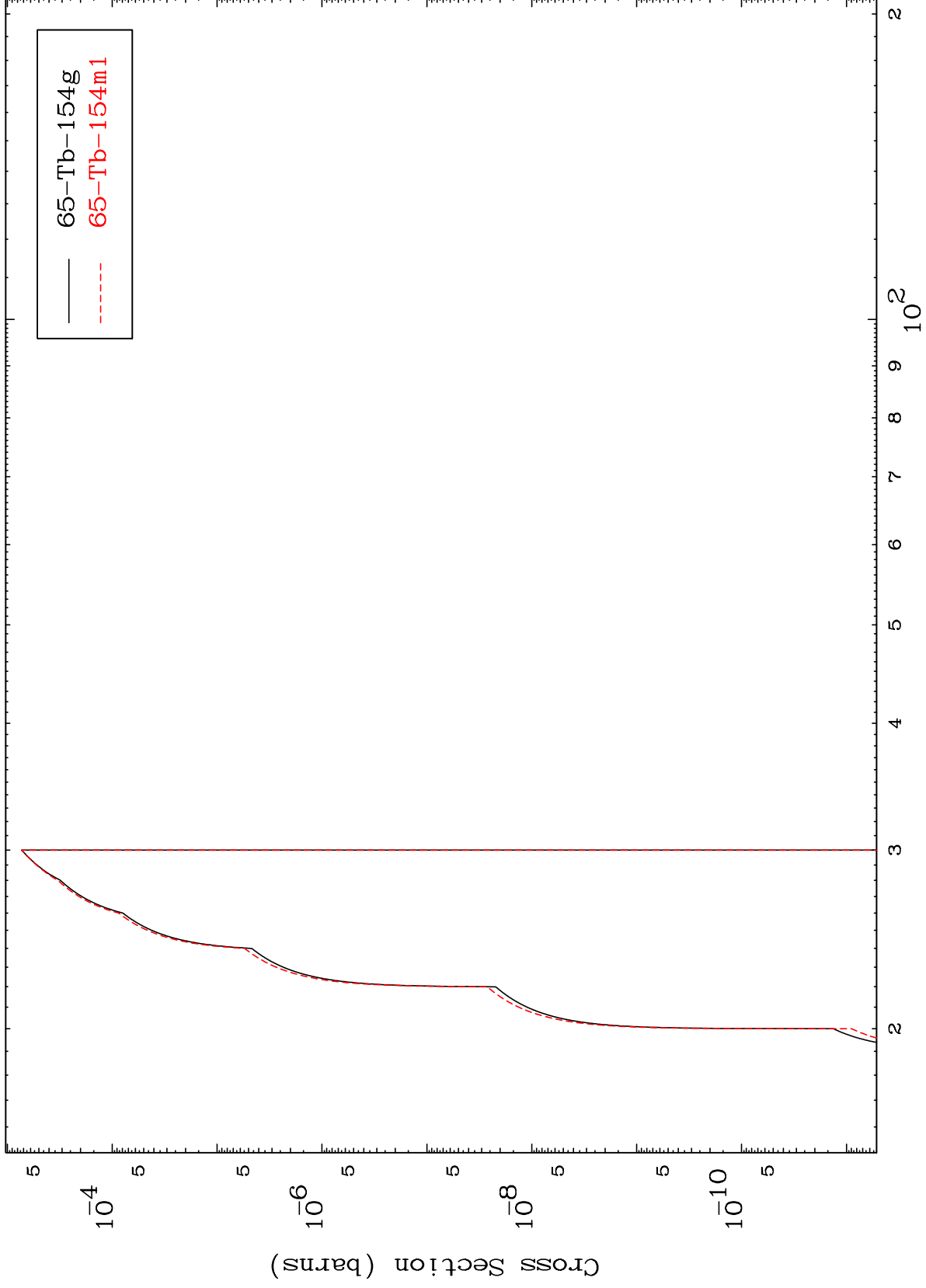
Incident Energy (MeV)

64-Gd-153

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64-Gd-153

(n, t)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

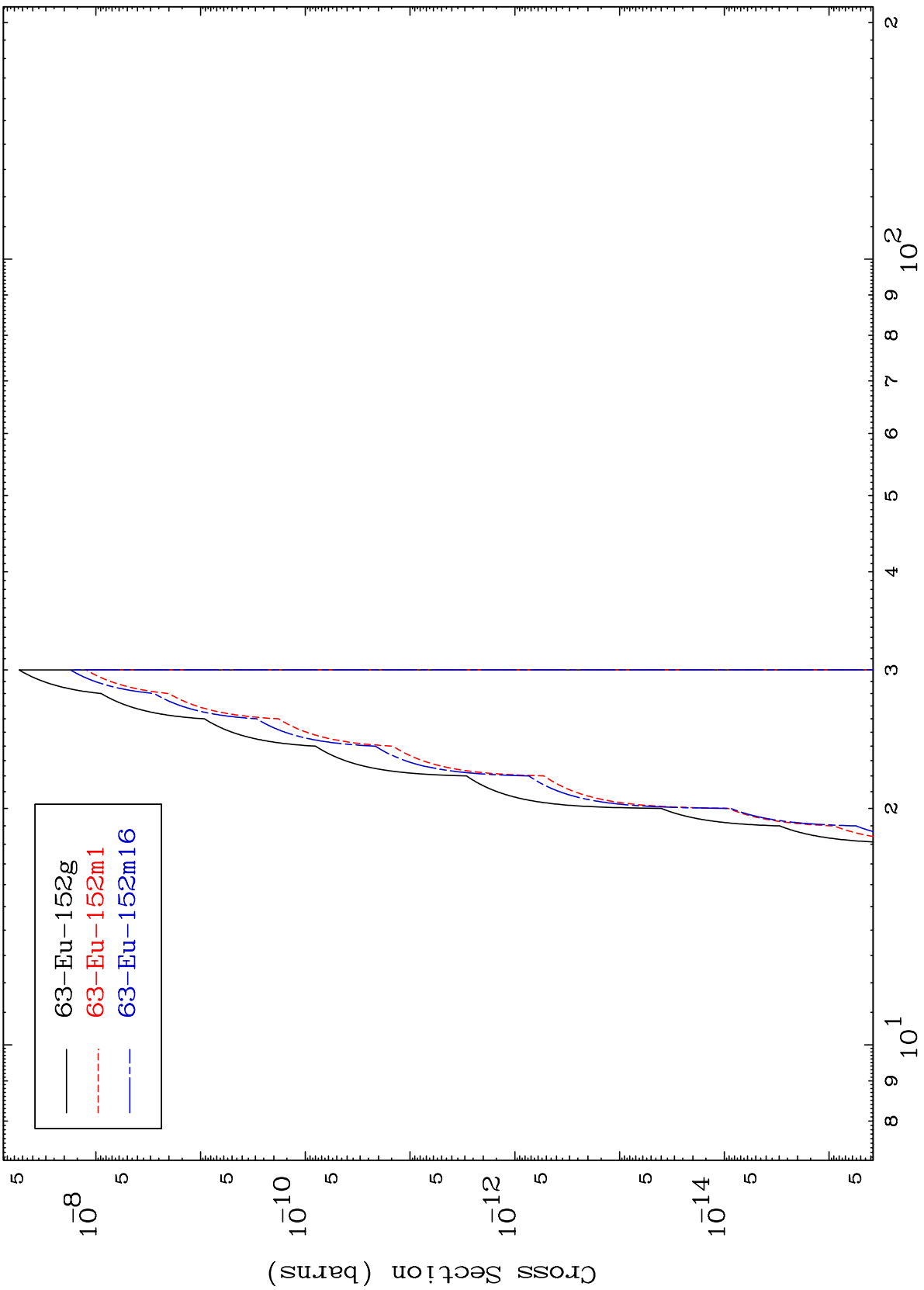
64-Gd-153

MAT 6428

64-Gd-153

(n,p) α

Radionuclide Production Cross Section



63-Eu-152g
63-Eu-152m1
63-Eu-152m16

64-Gd-153

Incident Energy (MeV)

15