

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

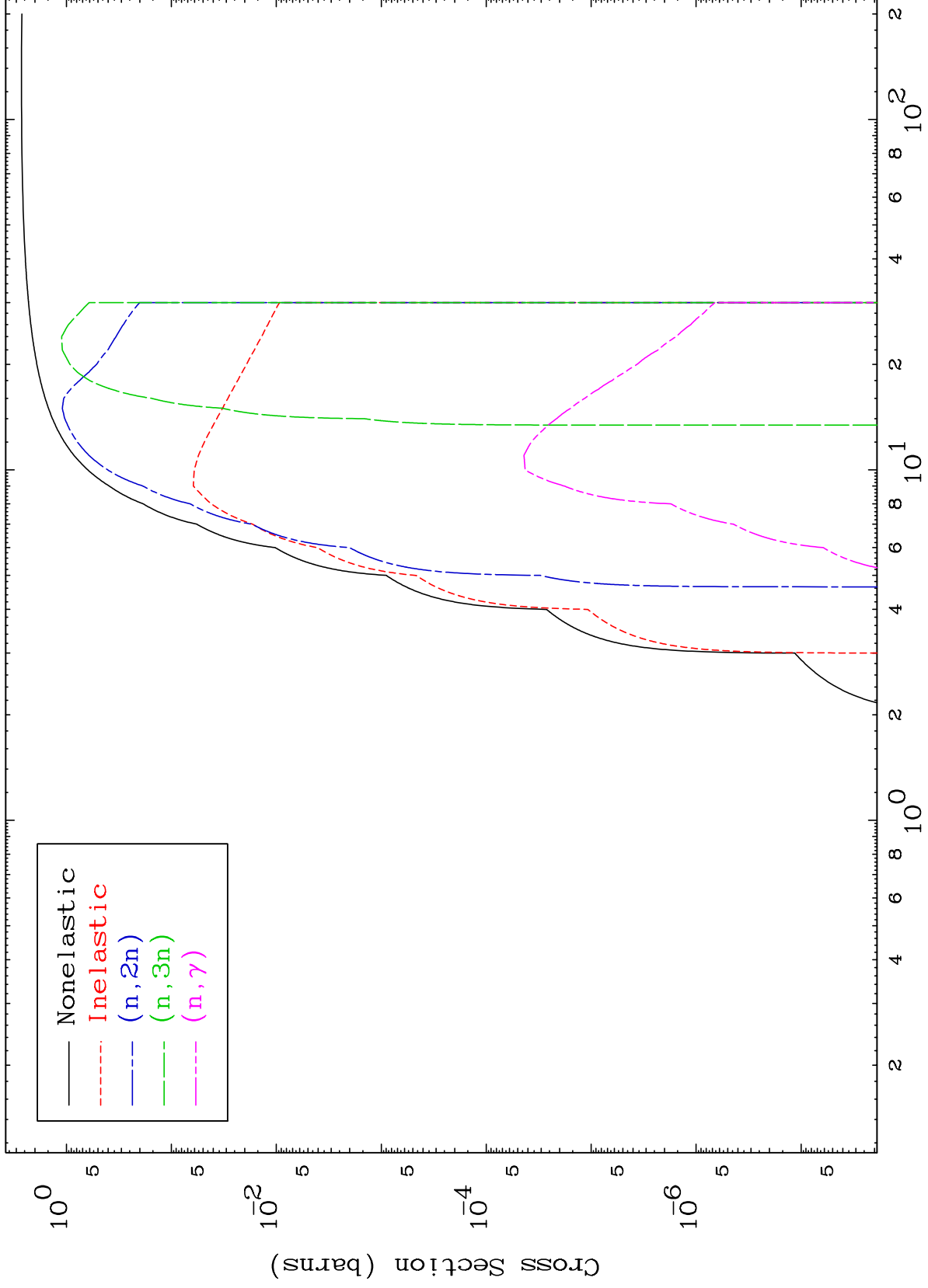
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Web:redcullen1.net/HOMEPAGE.NEW

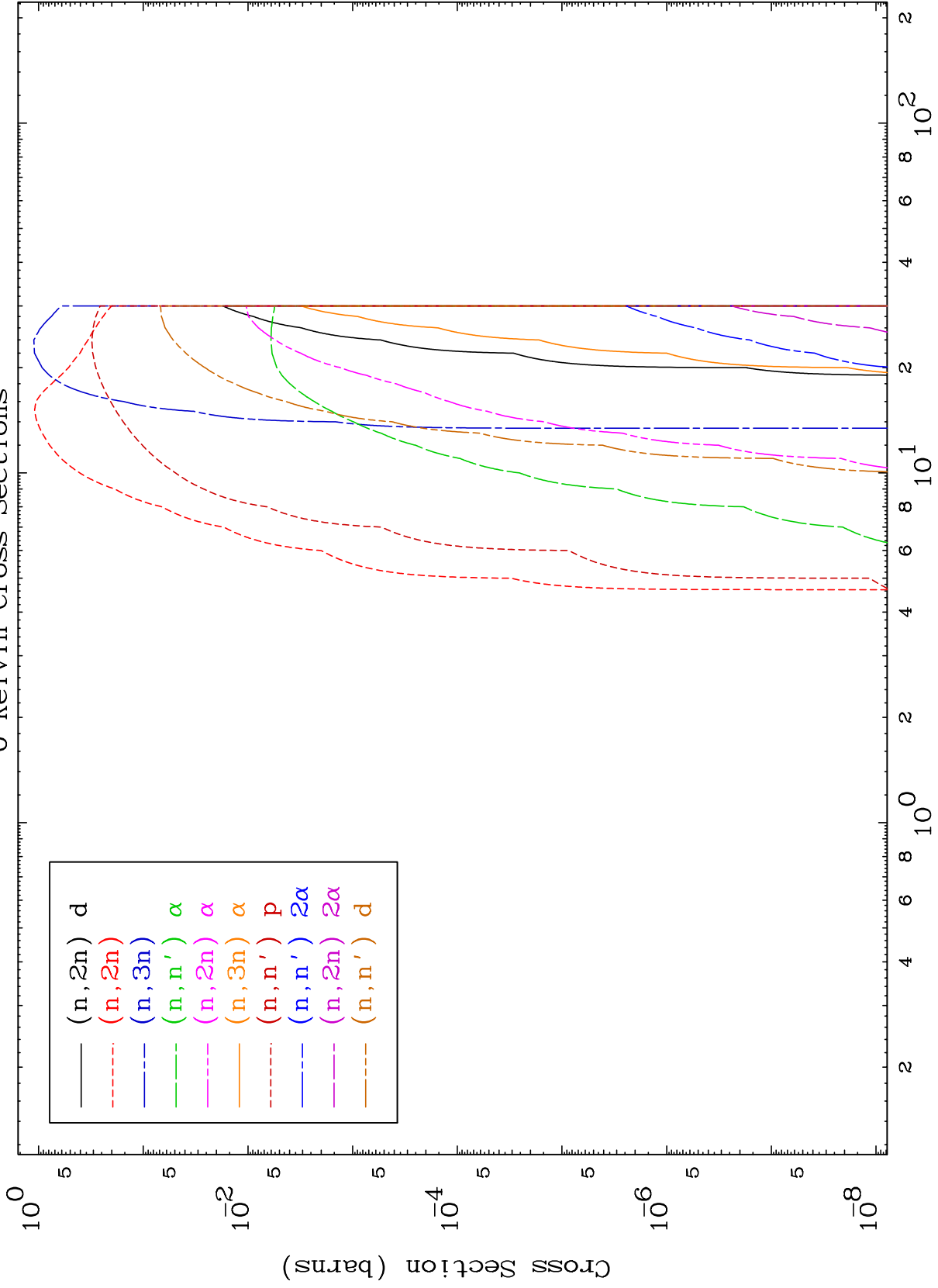
Press Mouse Button to Start

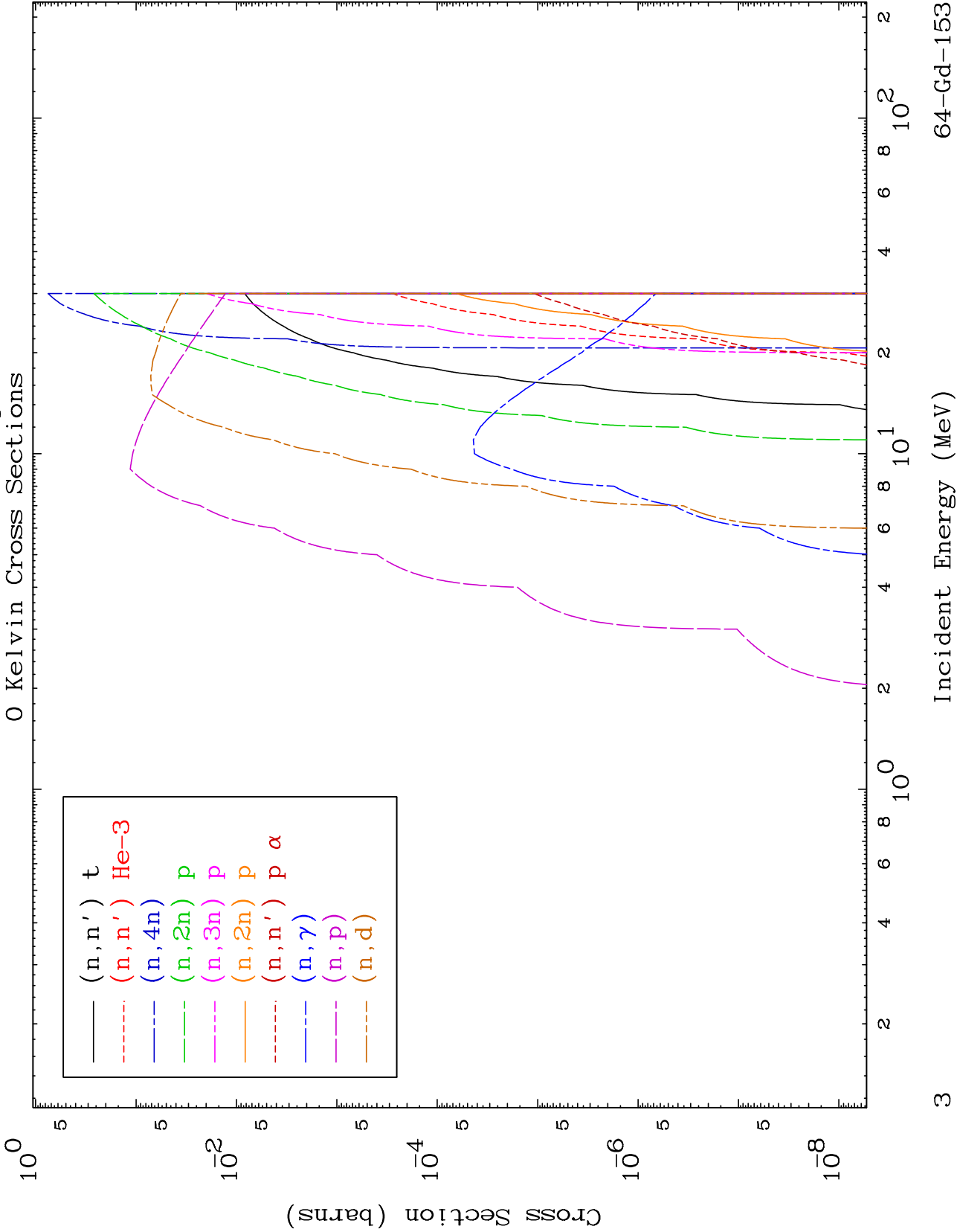


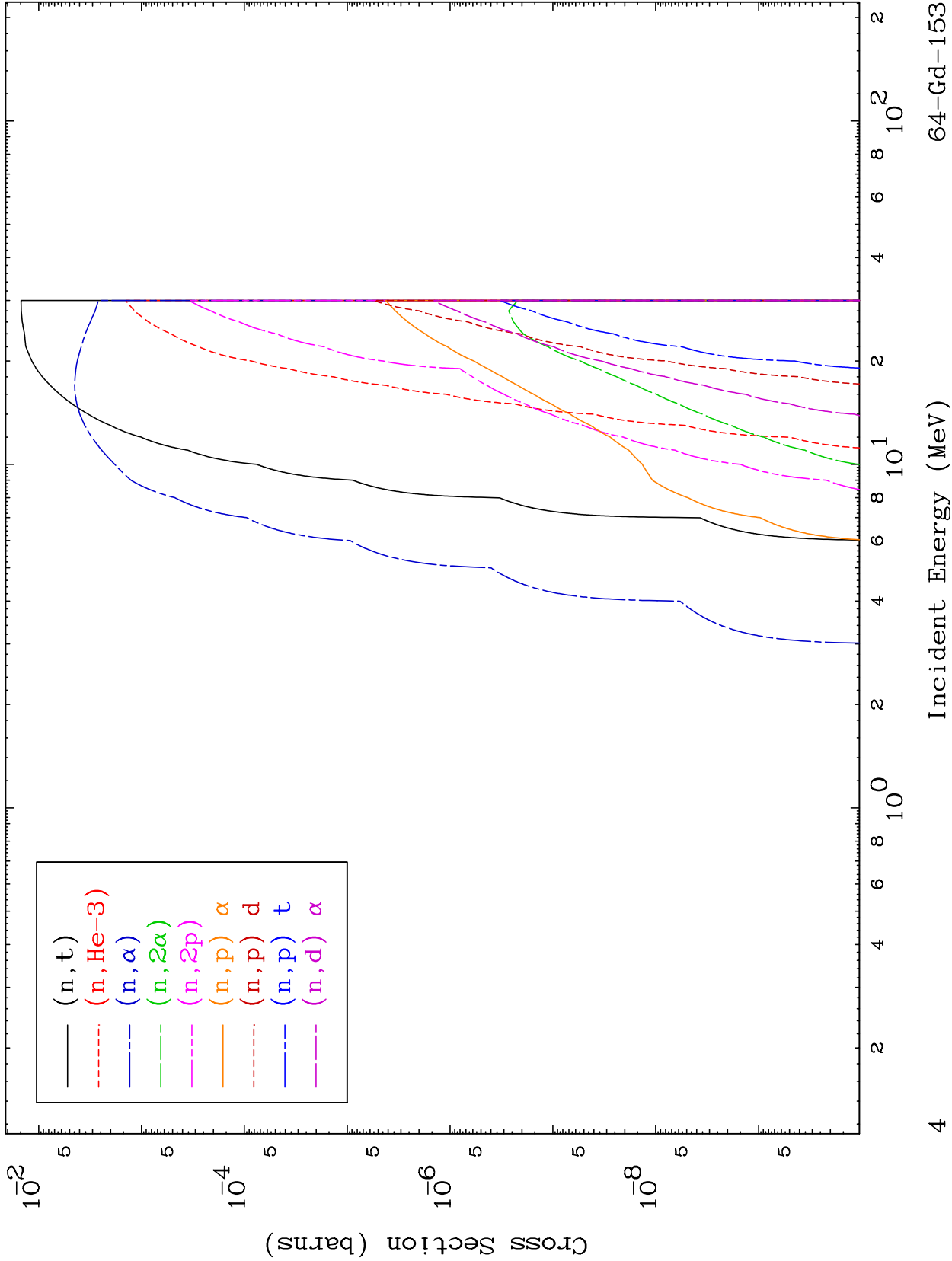
MAT 6428

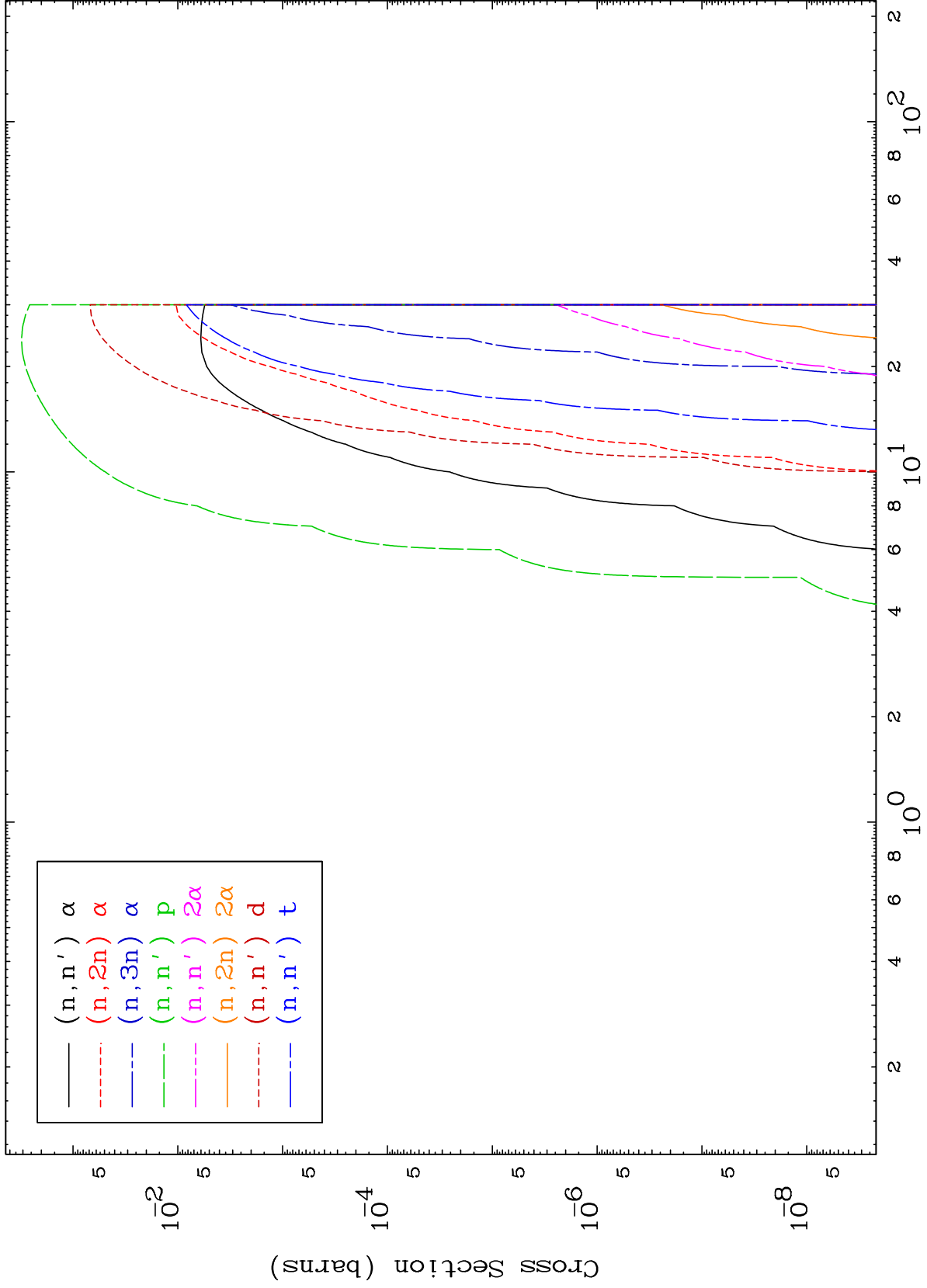
Deuteron Neutron Absorption  
0 Kelvin Cross Sections

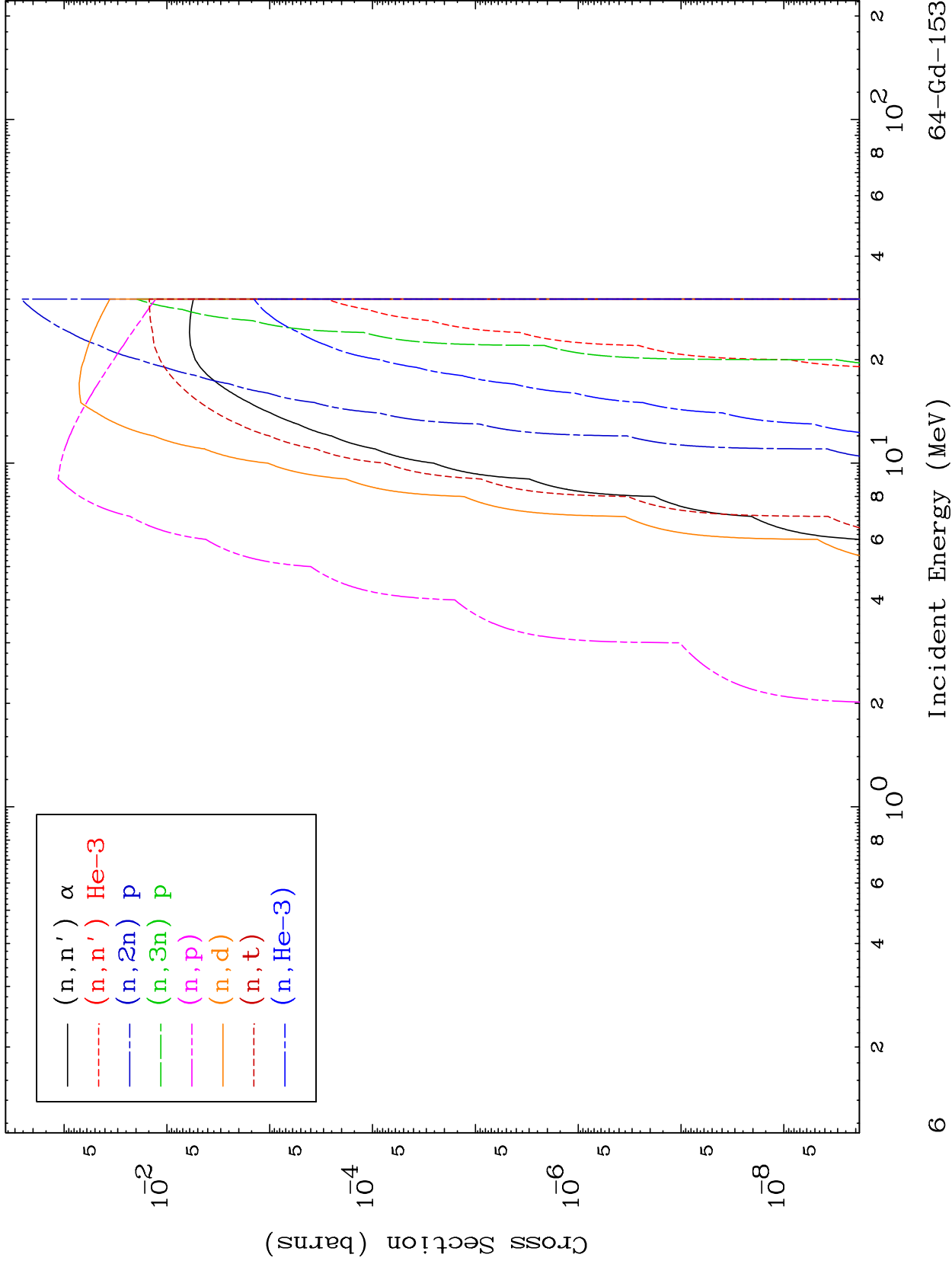
64-Gd-153

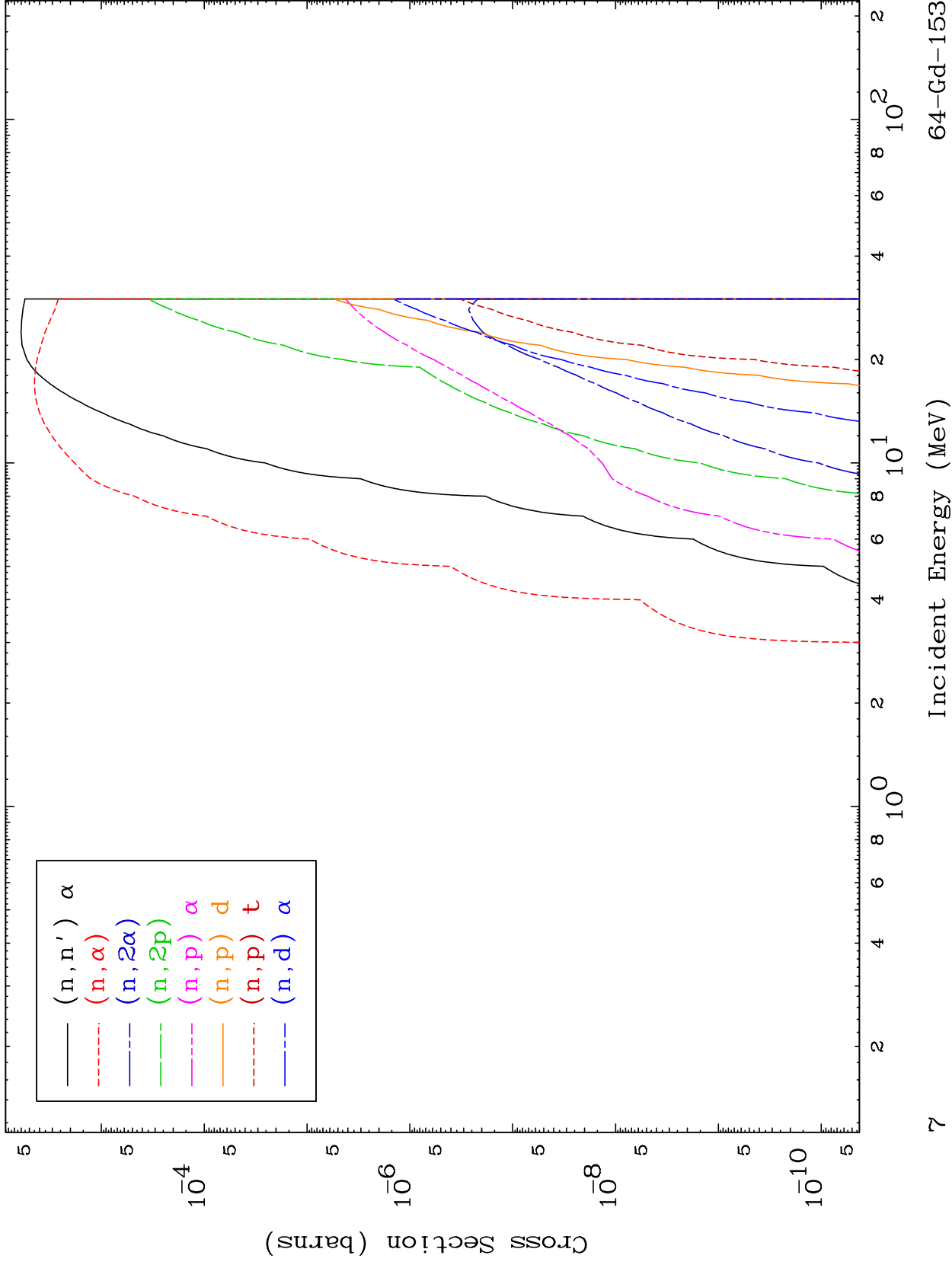










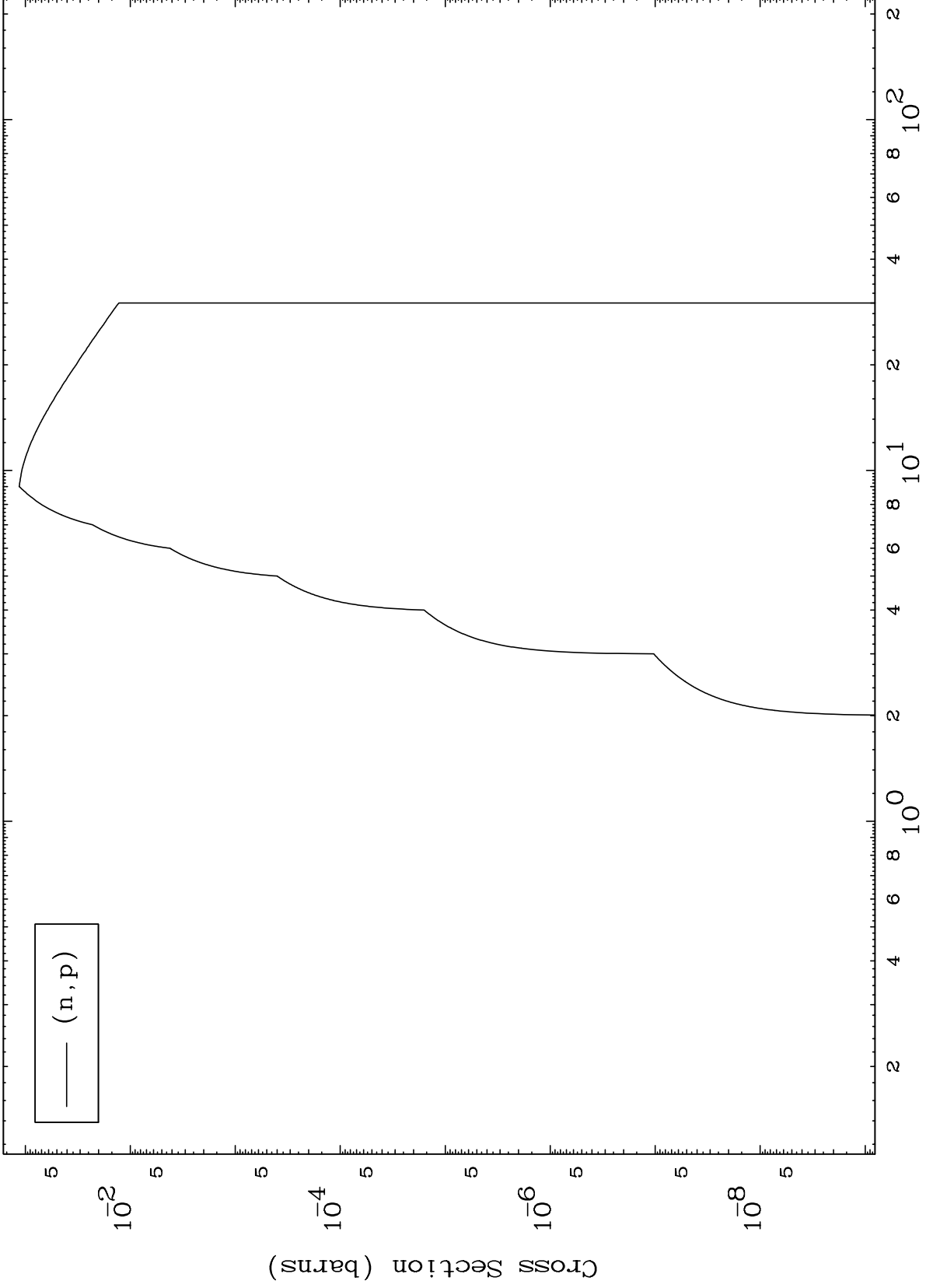




MAT 6428

64-Gd-153

(d,p) Levels  
0 Kelvin Cross Sections

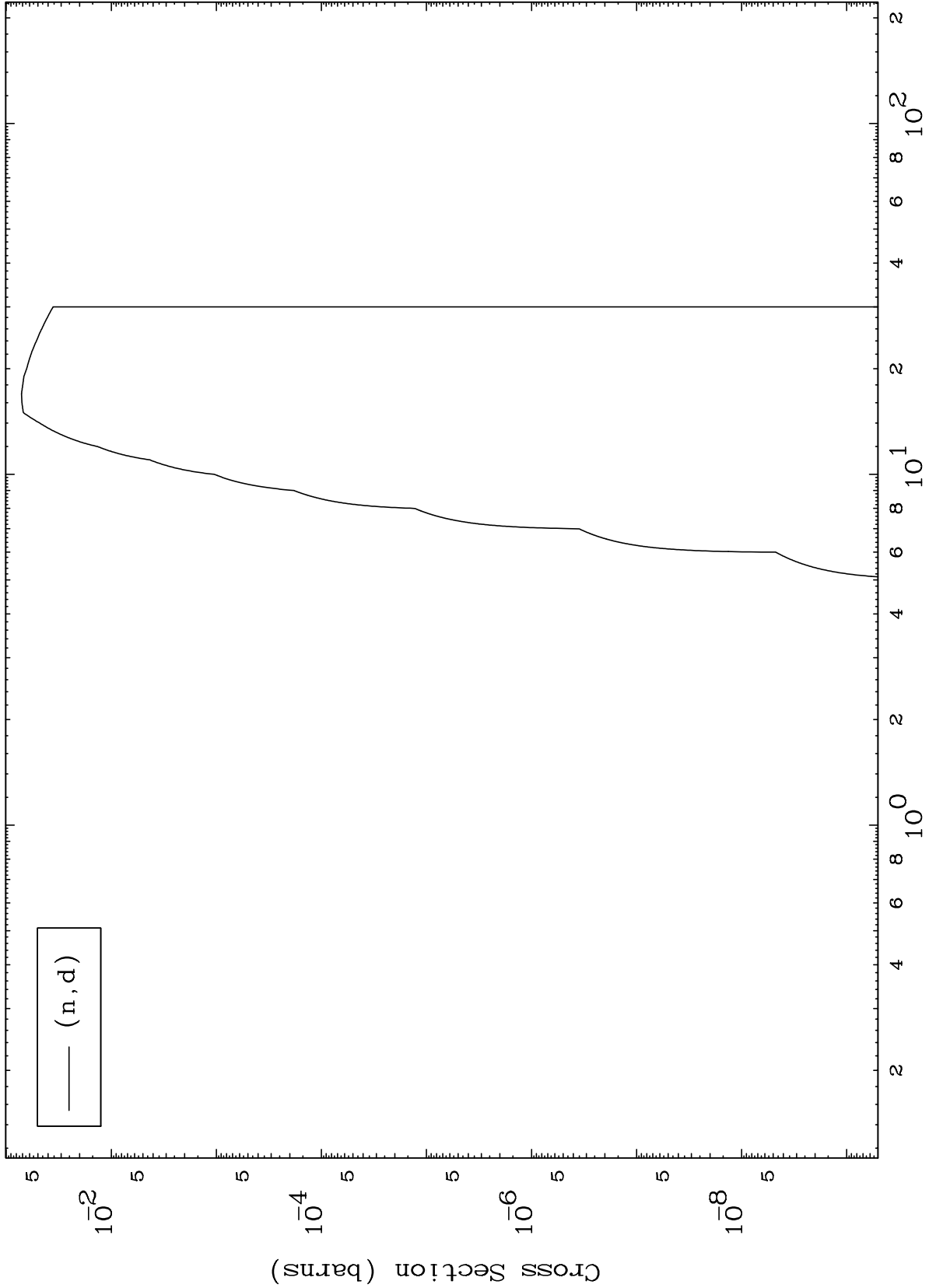


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(d,d) Levels

64-Gd-153

0 Kelvin Cross Sections

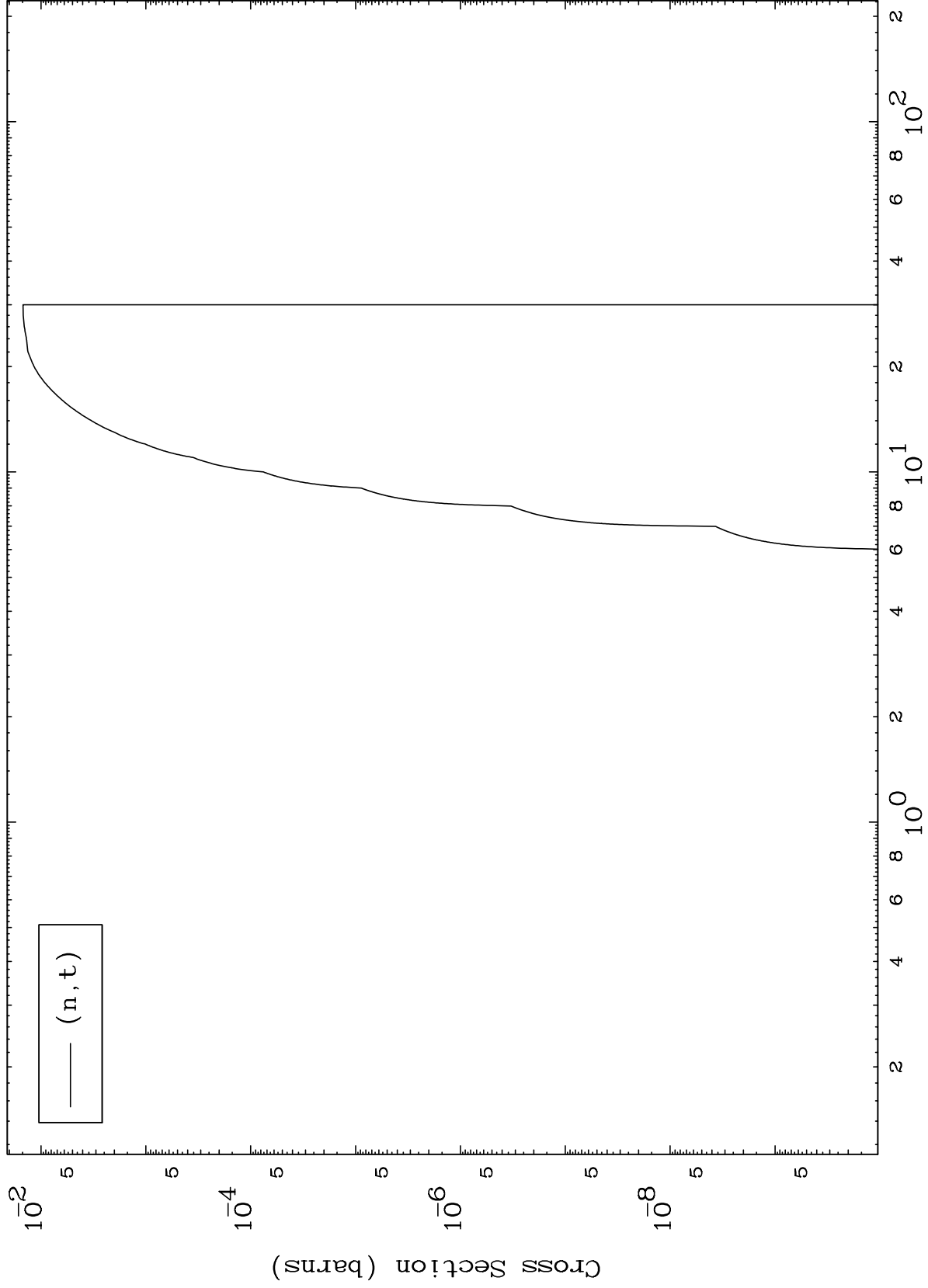


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(d, t) Levels

64-Gd-153

0 Kelvin Cross Sections



10

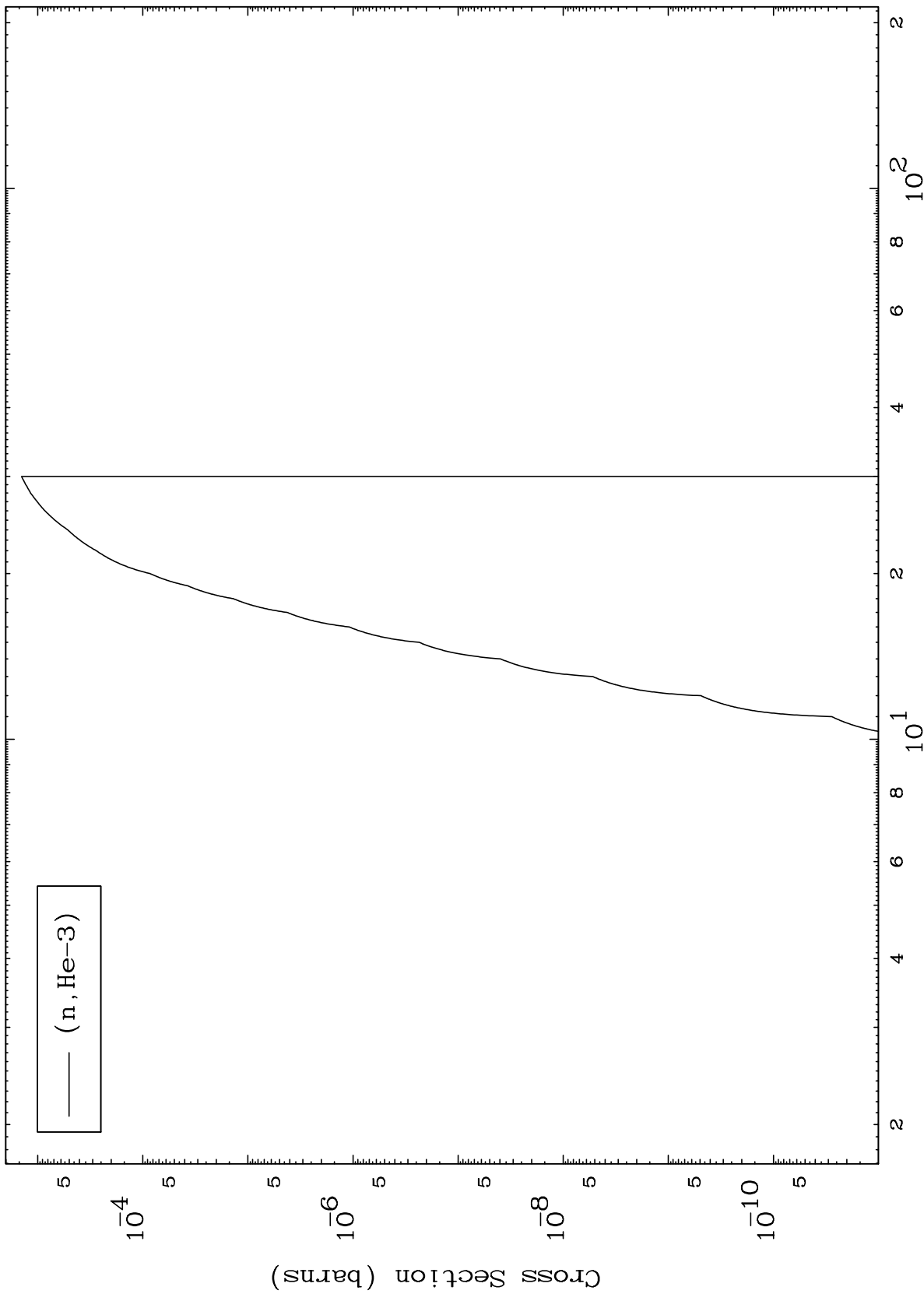
Incident Energy (MeV)

64-Gd-153

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64-Gd-153

(d,He3) Levels  
0 Kelvin Cross Sections



64-Gd-153

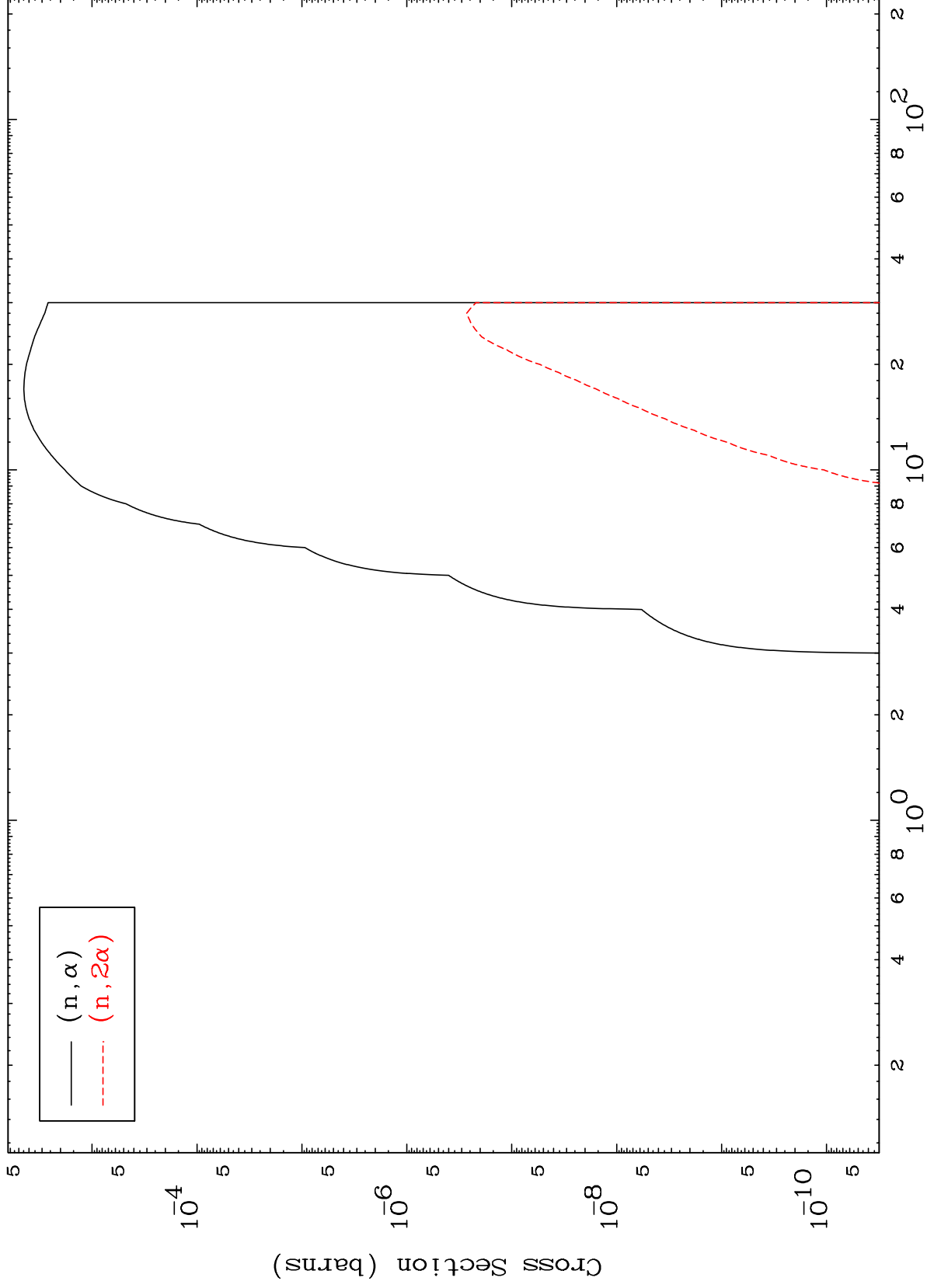
Incident Energy (MeV)

11

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(d,  $\alpha$ ) Levels  
0 Kelvin Cross Sections

64-Gd-153



12

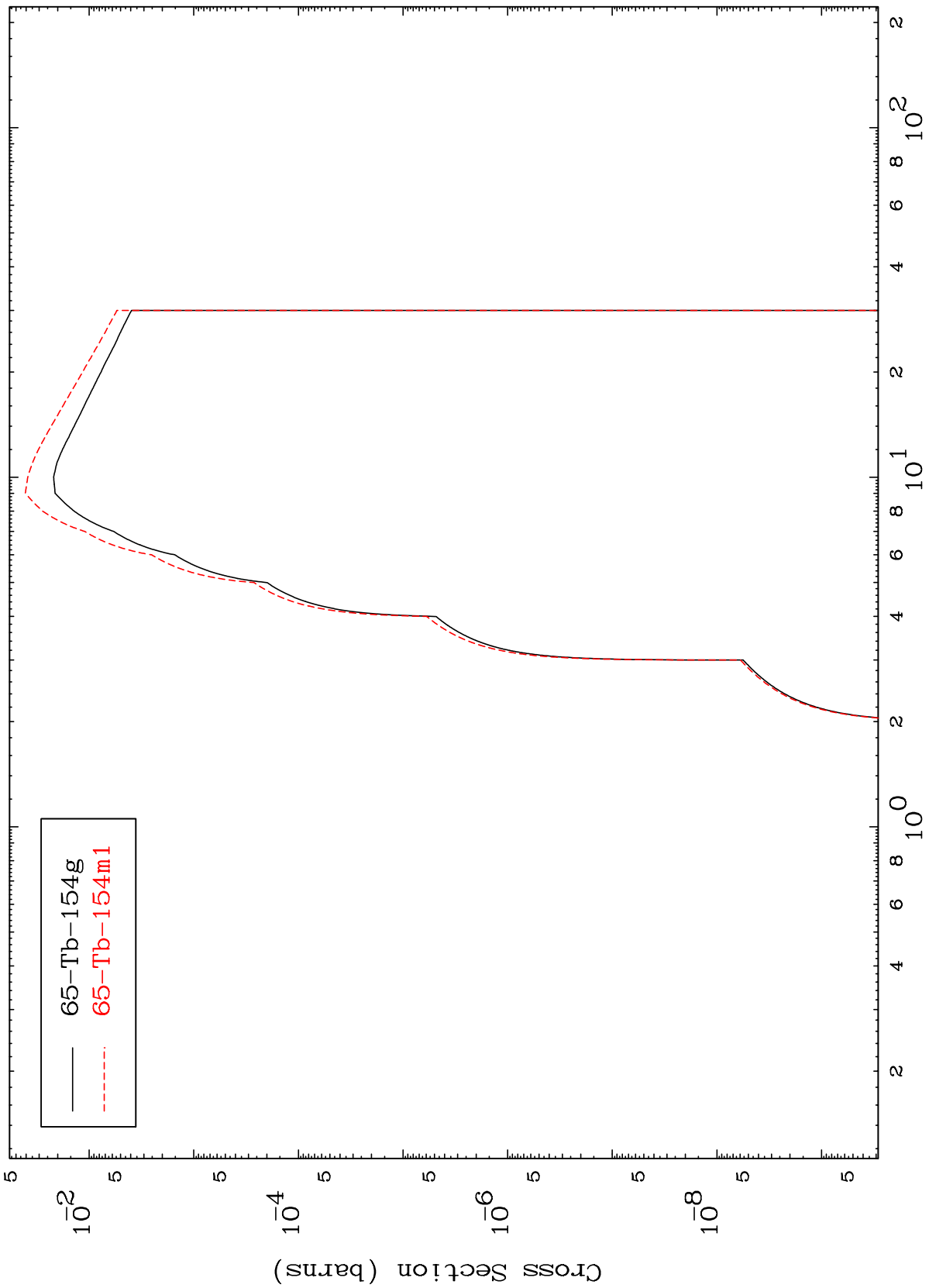
Incident Energy (MeV)

64-Gd-153

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64-Gd-153

Inelastic  
Radionuclide Production Cross Section



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

64-Gd-153

Incident Energy (MeV)

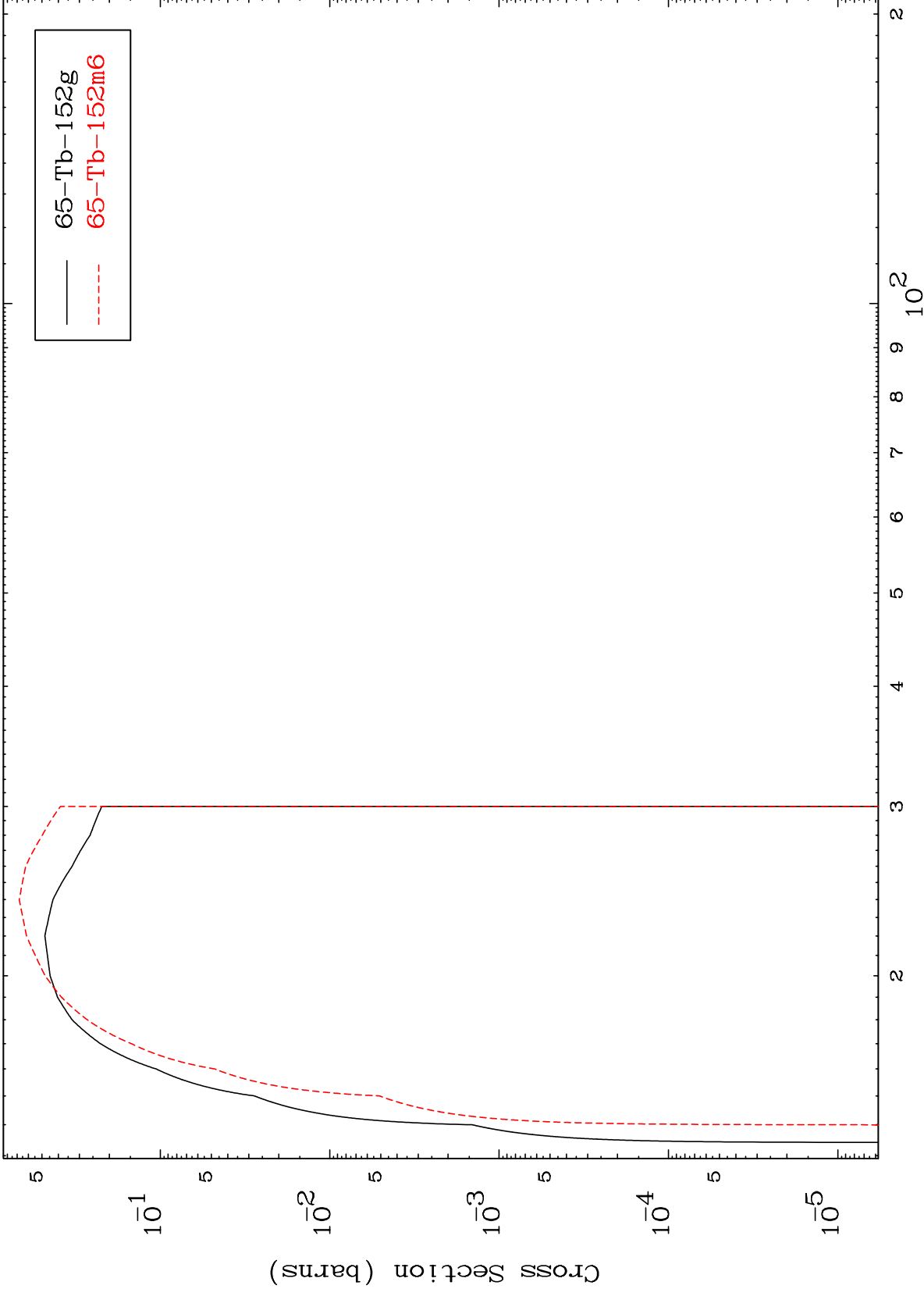
13

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(n,3n)

64-Gd-153

Radionuclide Production Cross Section



14

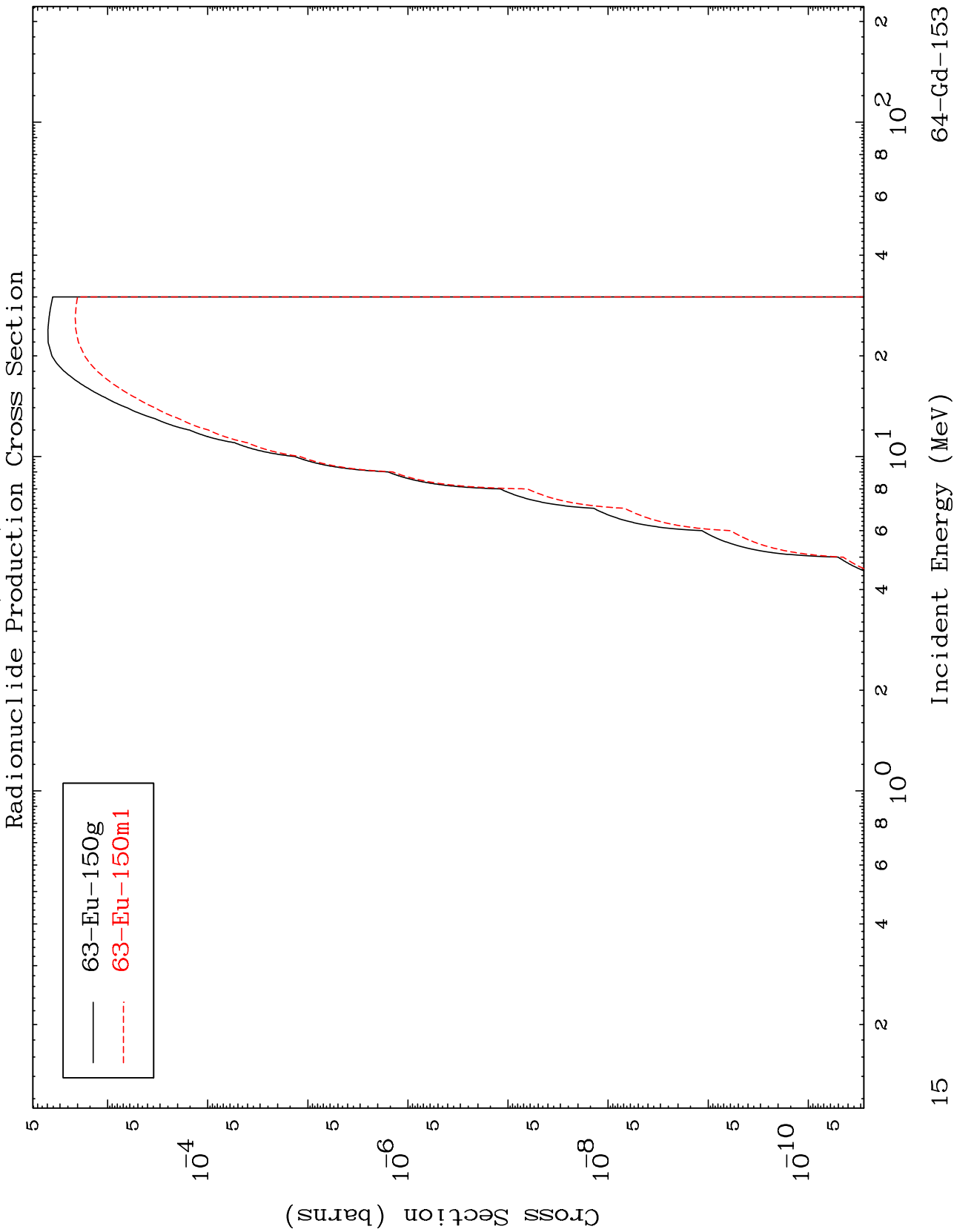
Incident Energy (MeV)

64-Gd-153

MAT 6428

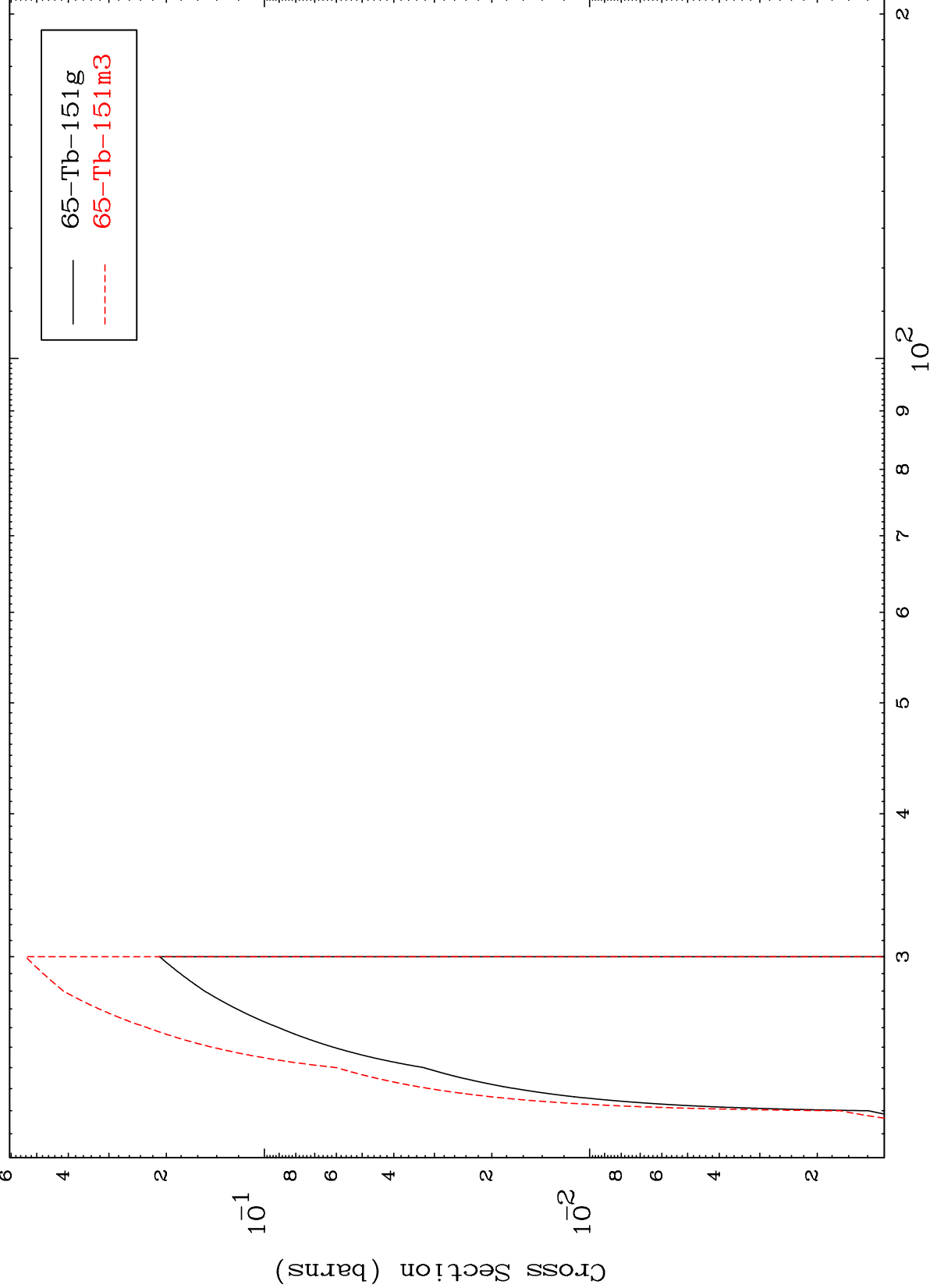
$(n, n') \alpha$

64-Gd-153





Radionuclide Production Cross Section

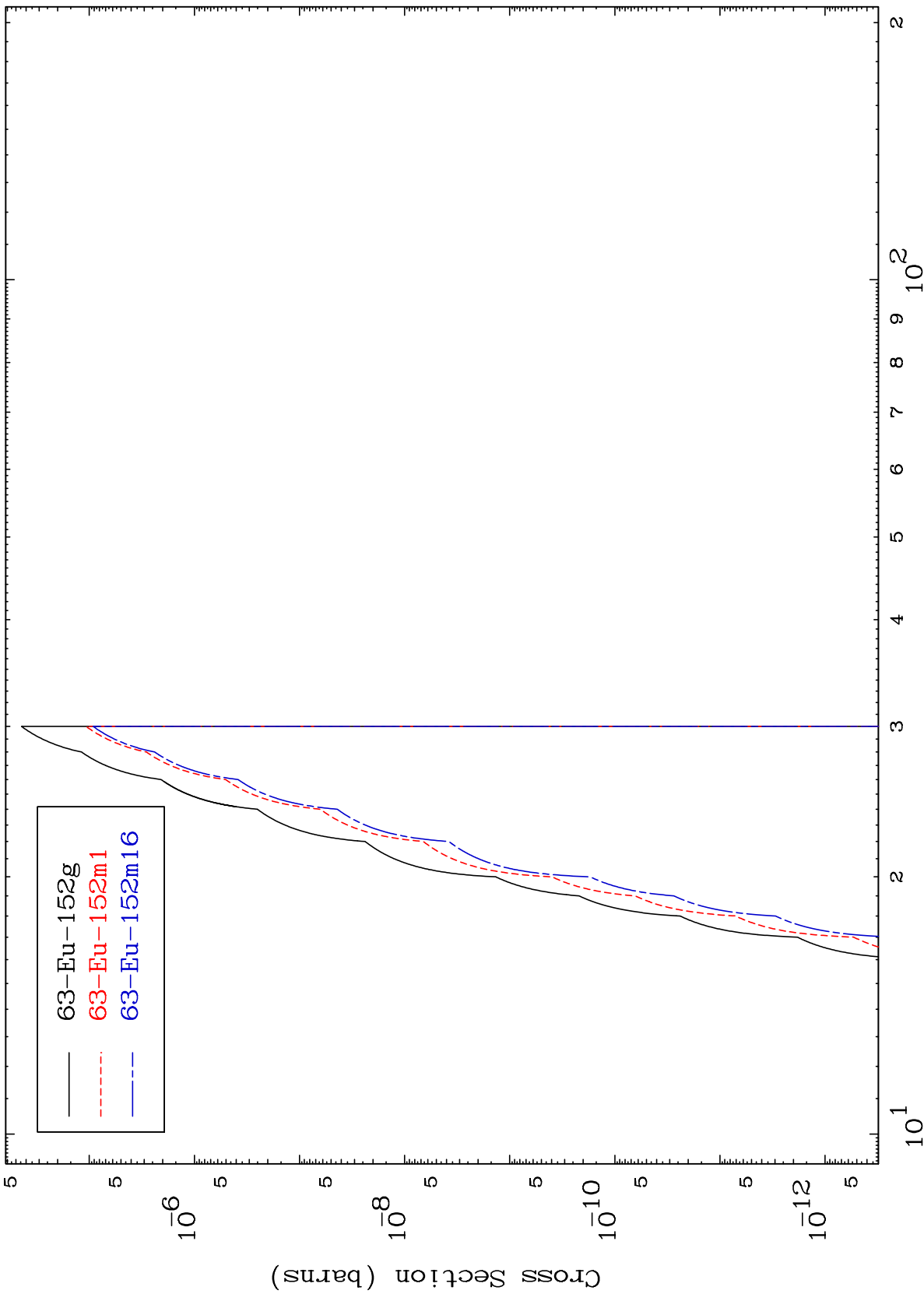


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(n,2n) p

64-Gd-153

Radionuclide Production Cross Section



17

Incident Energy (MeV)

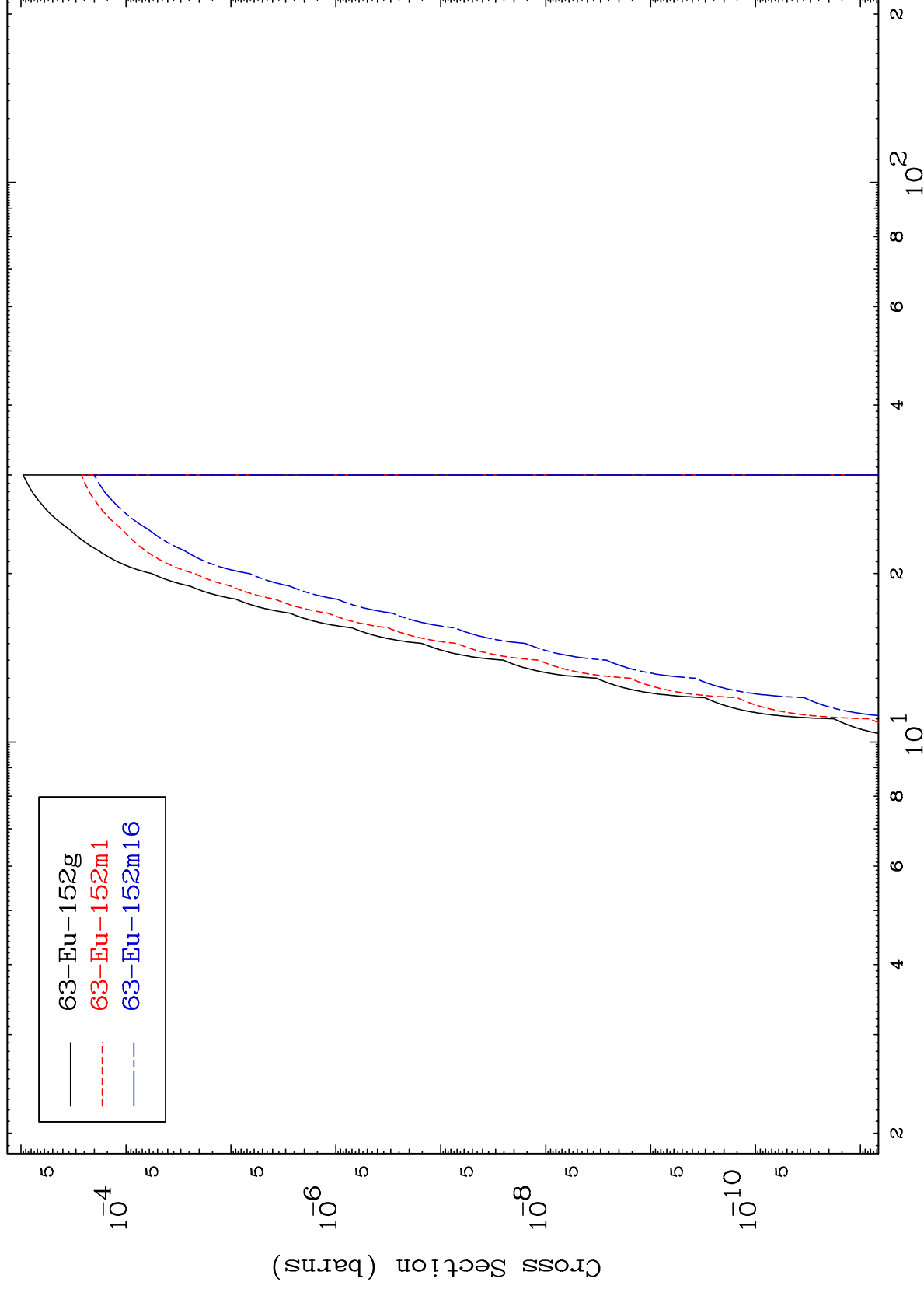
64-Gd-153

MAT 6428

(n,He-3)

64-Gd-153

Radionuclide Production Cross Section



18

Incident Energy (MeV)

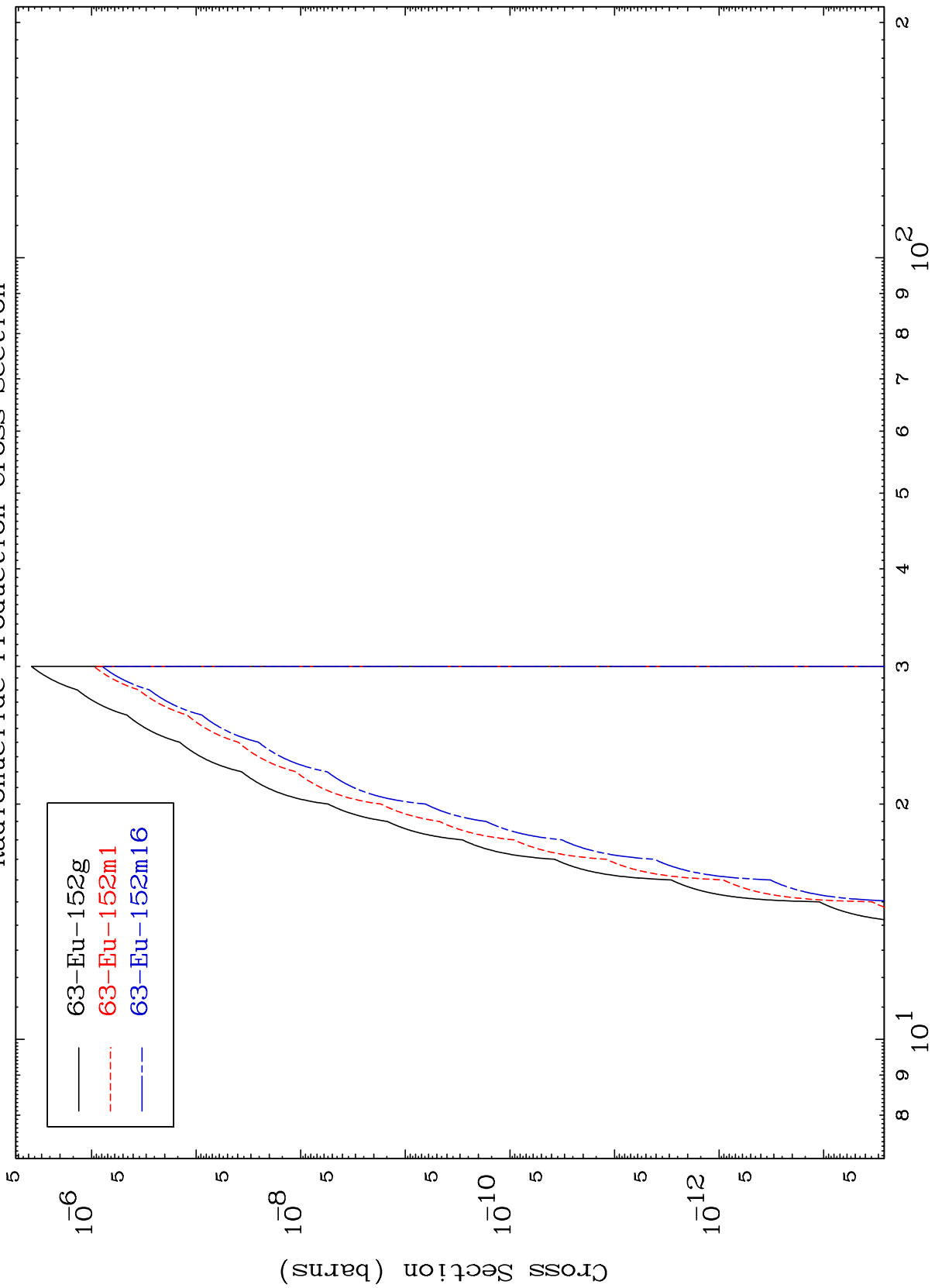
64-Gd-153

MAT 6428

(n,p) d

64-Gd-153

Radionuclide Production Cross Section



19

Incident Energy (MeV)

64-Gd-153