

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

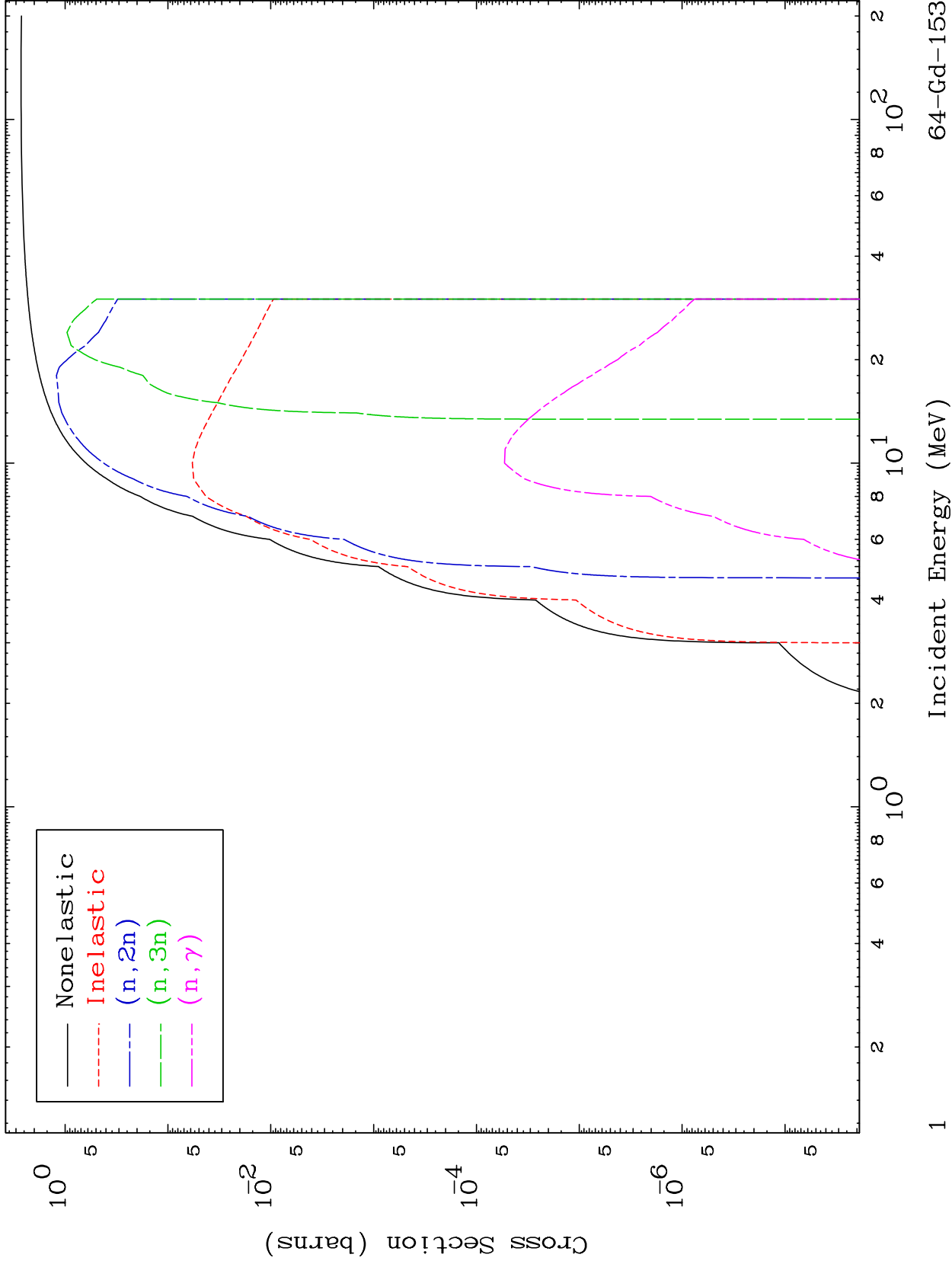
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

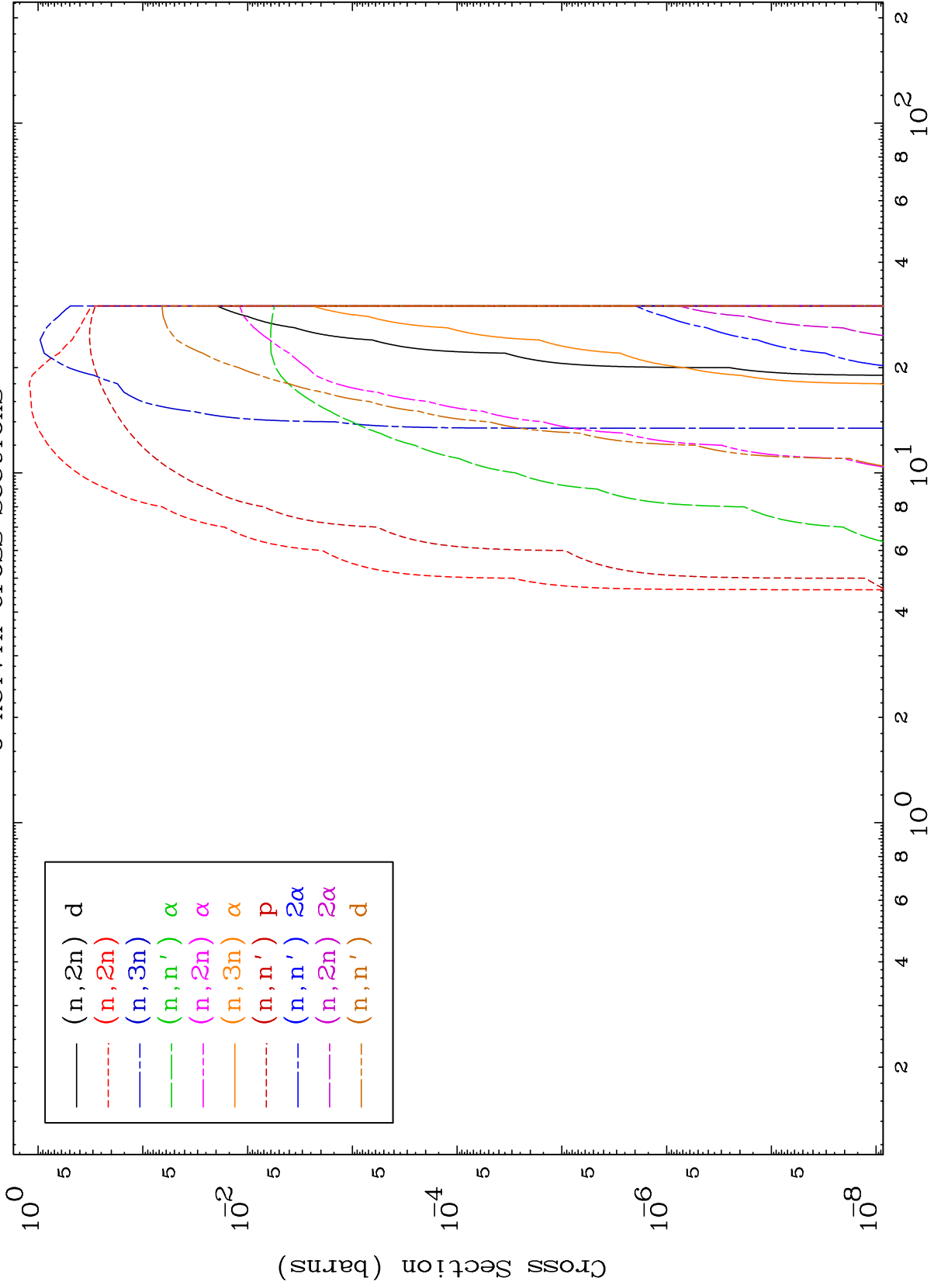
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

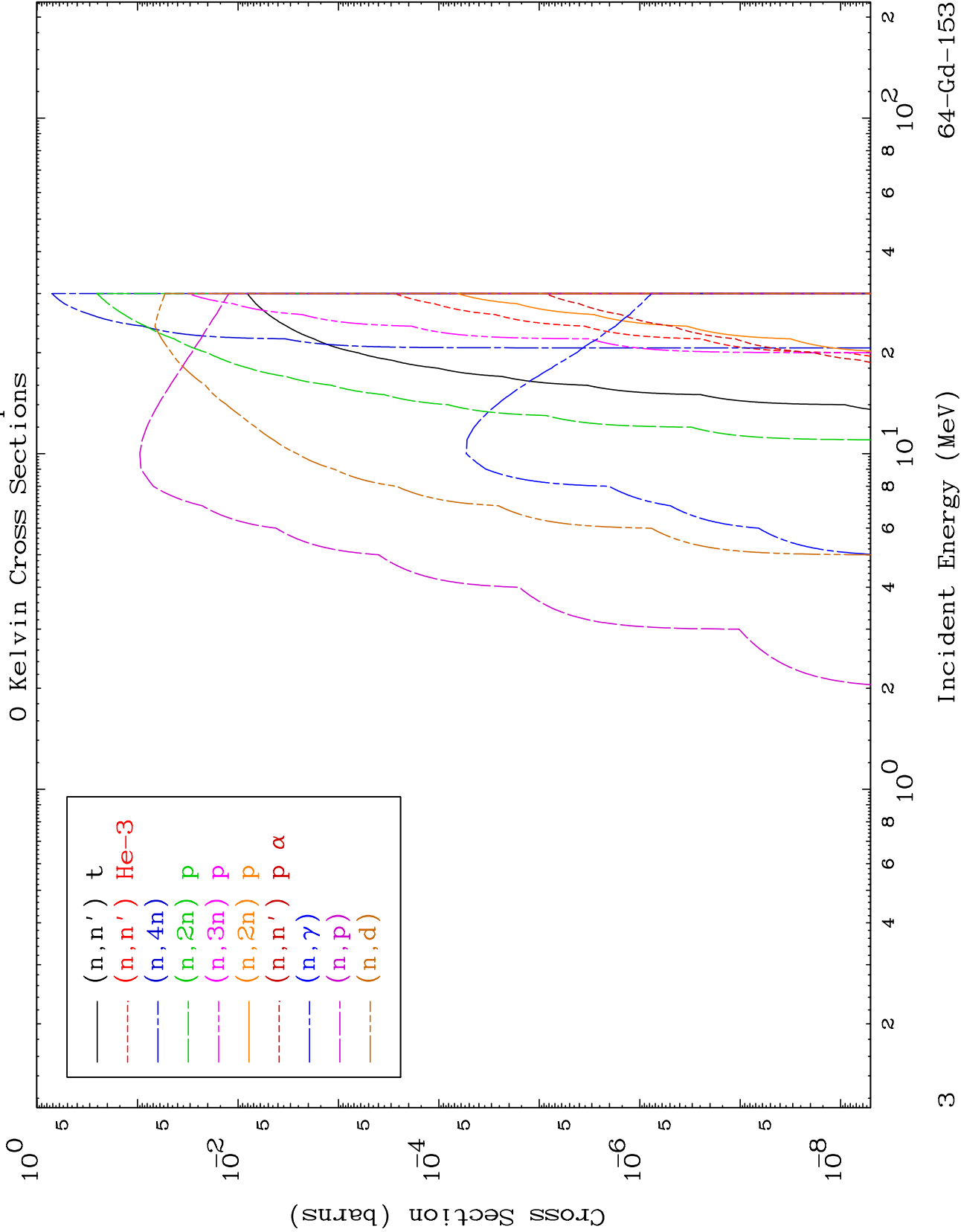




MAT 6428

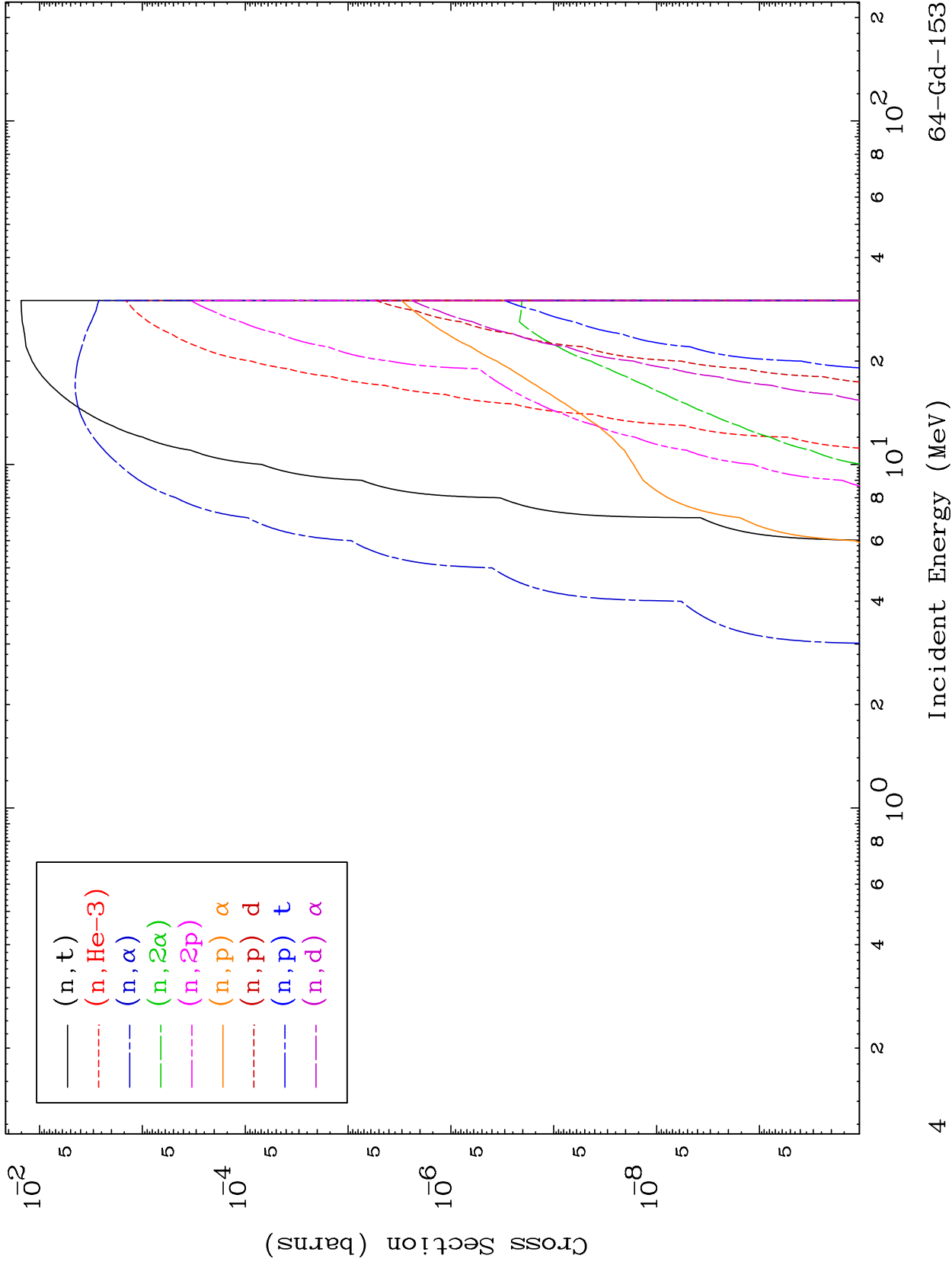
Deuteron Neutron Absorption
0 Kelvin Cross Sections

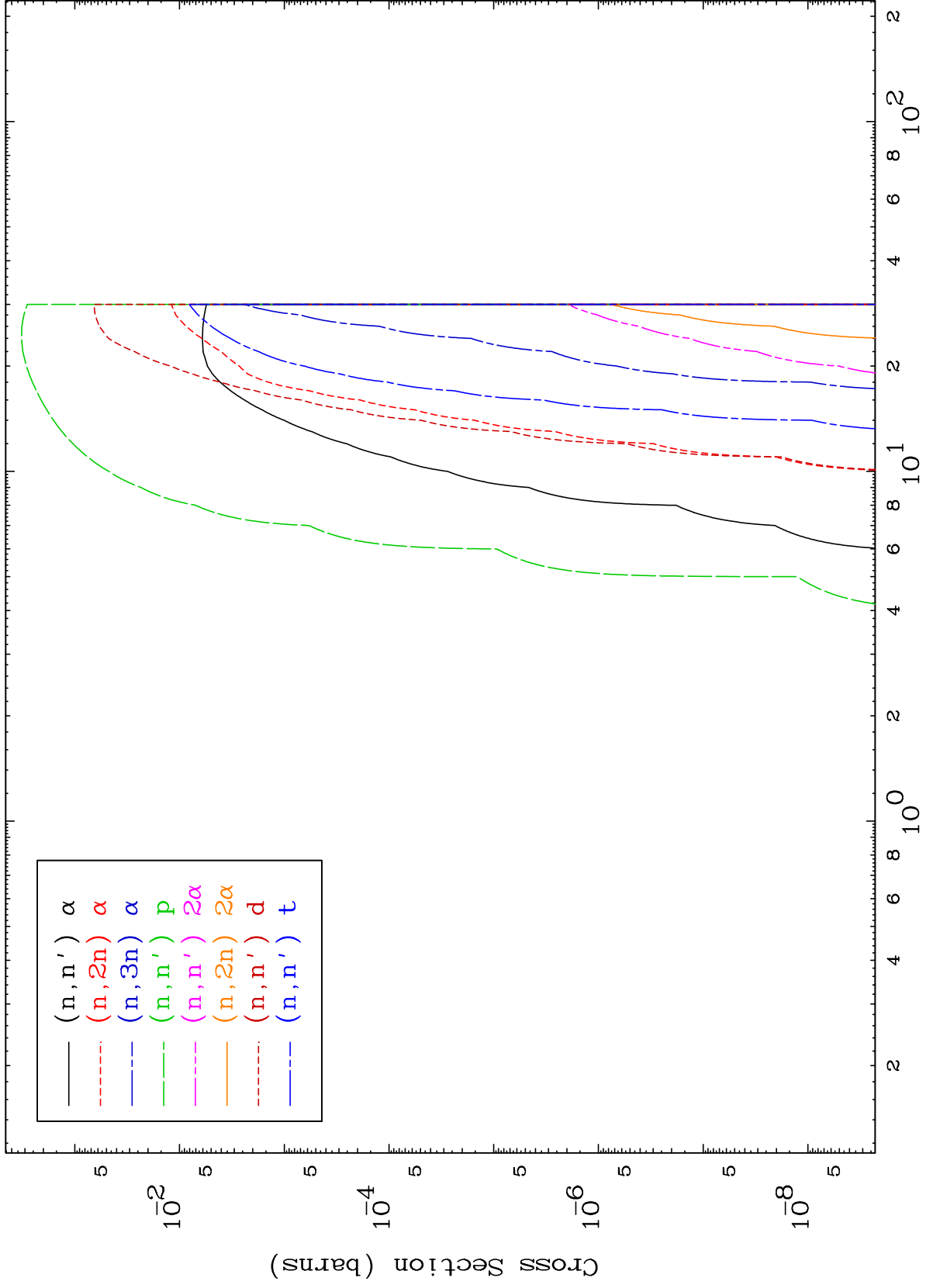
64-Gd-153

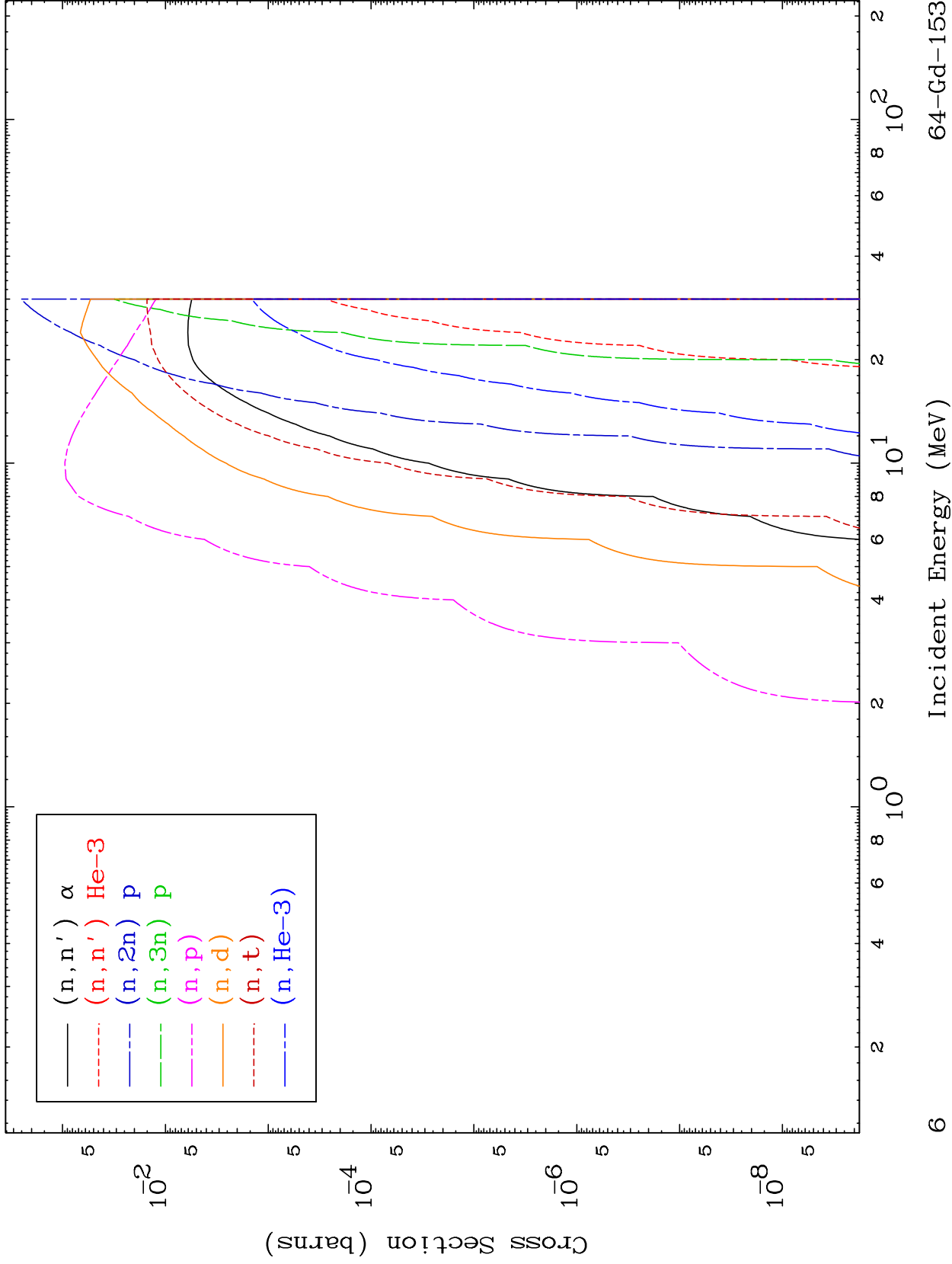


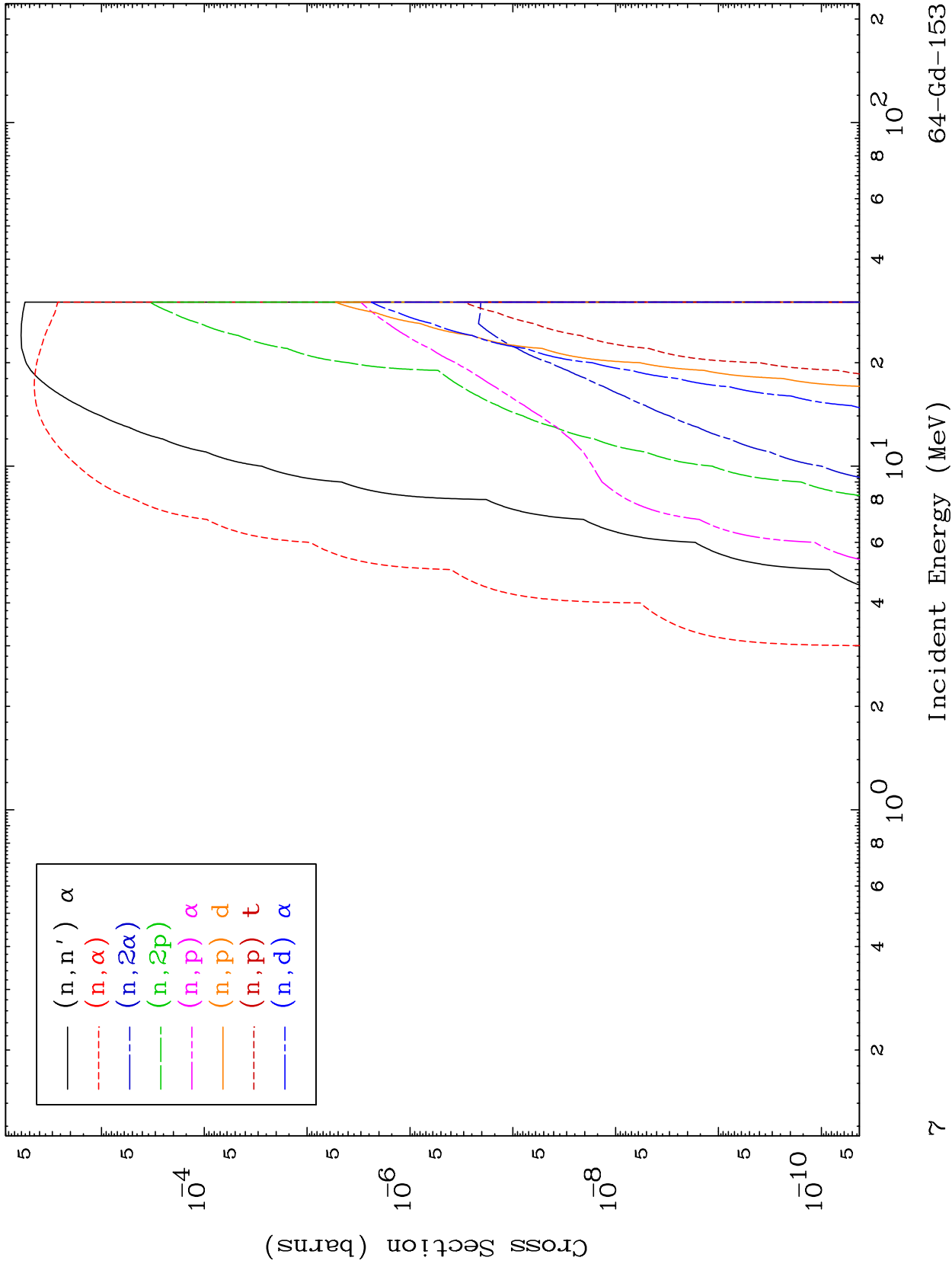
64-Gd-153

Incident Energy (MeV)





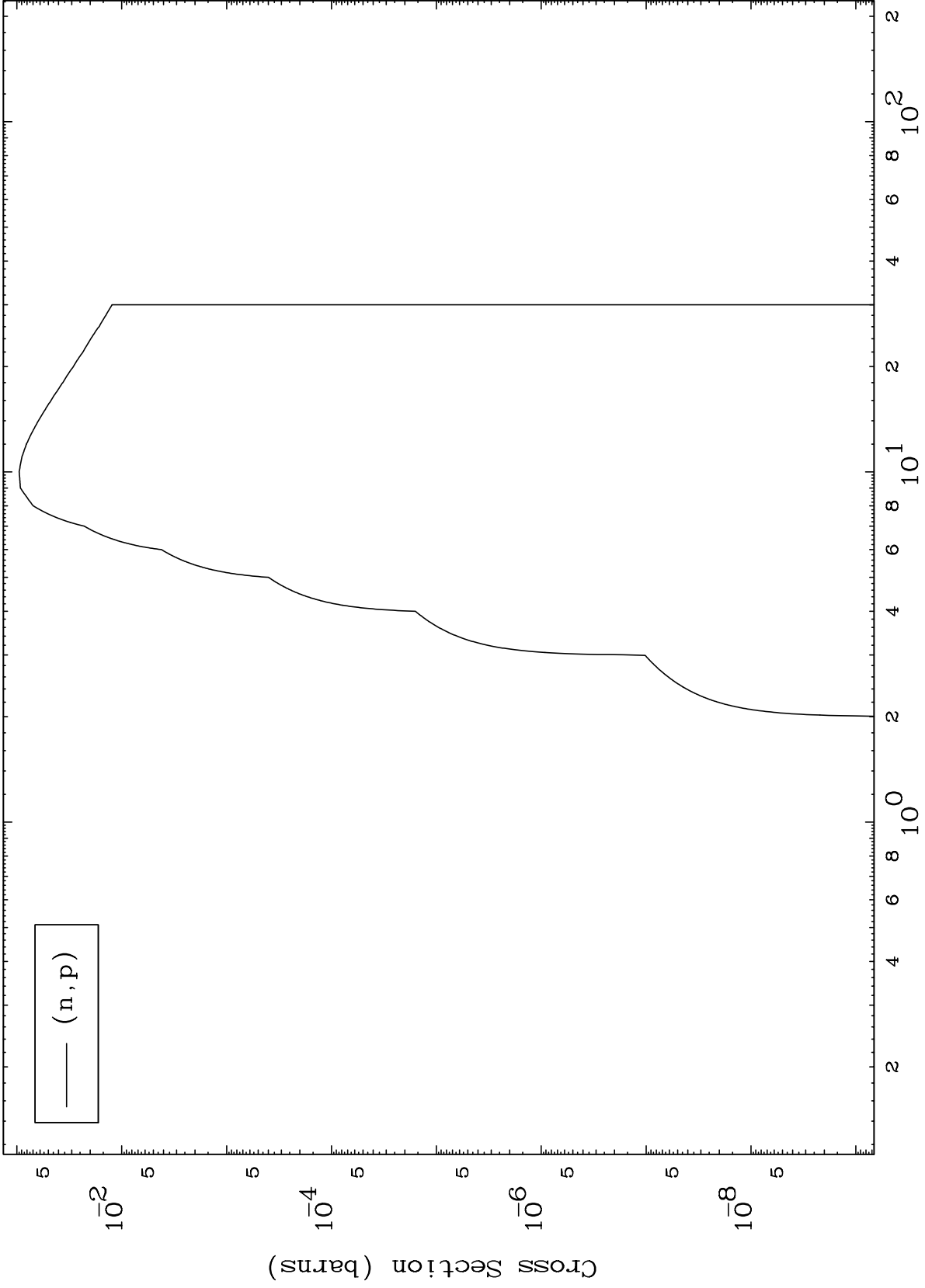




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64-Gd-153

(d,p) Levels
0 Kelvin Cross Sections



8

64-Gd-153

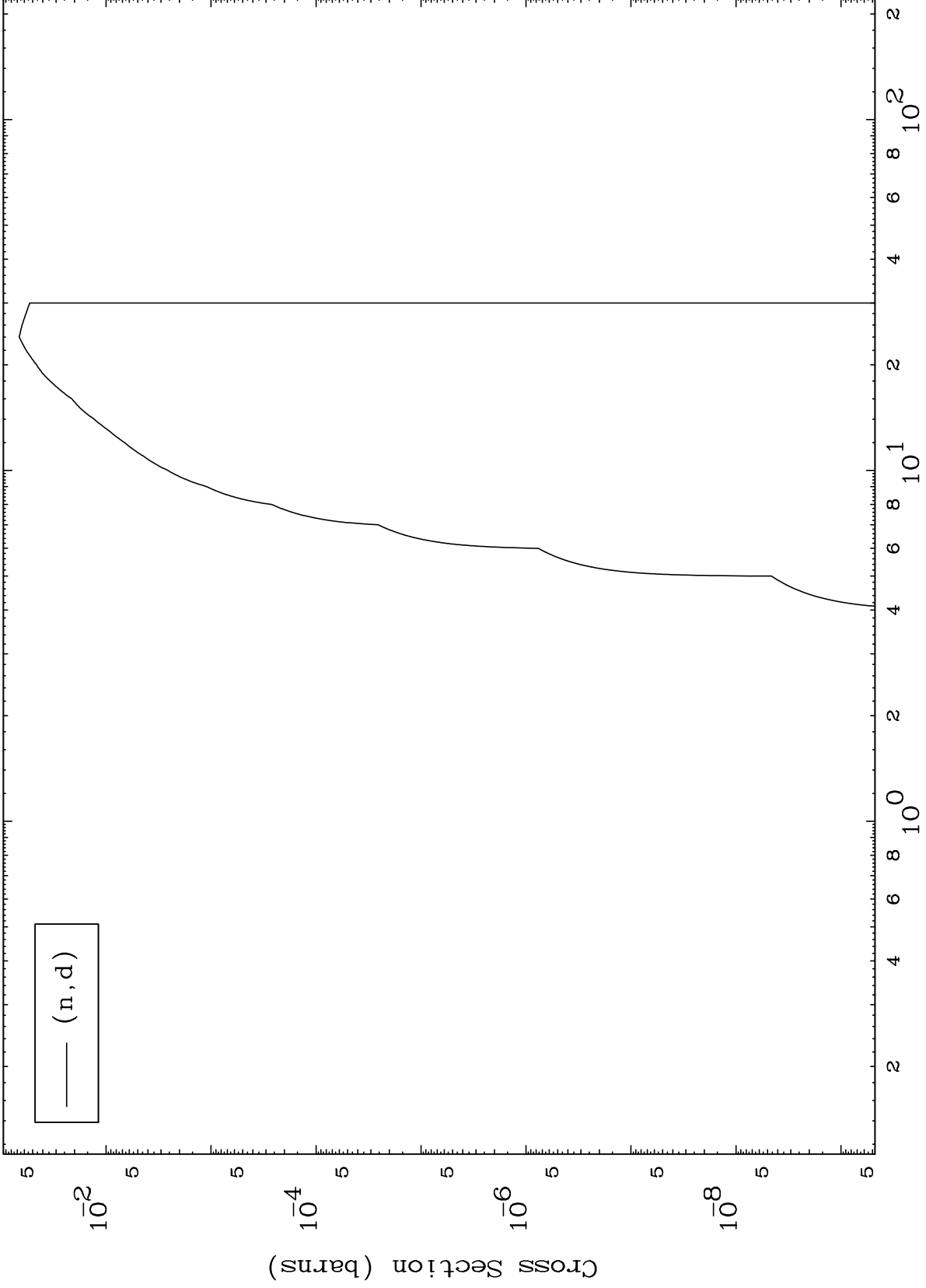
Incident Energy (MeV)

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(d,d) Levels

64-Gd-153

0 Kelvin Cross Sections

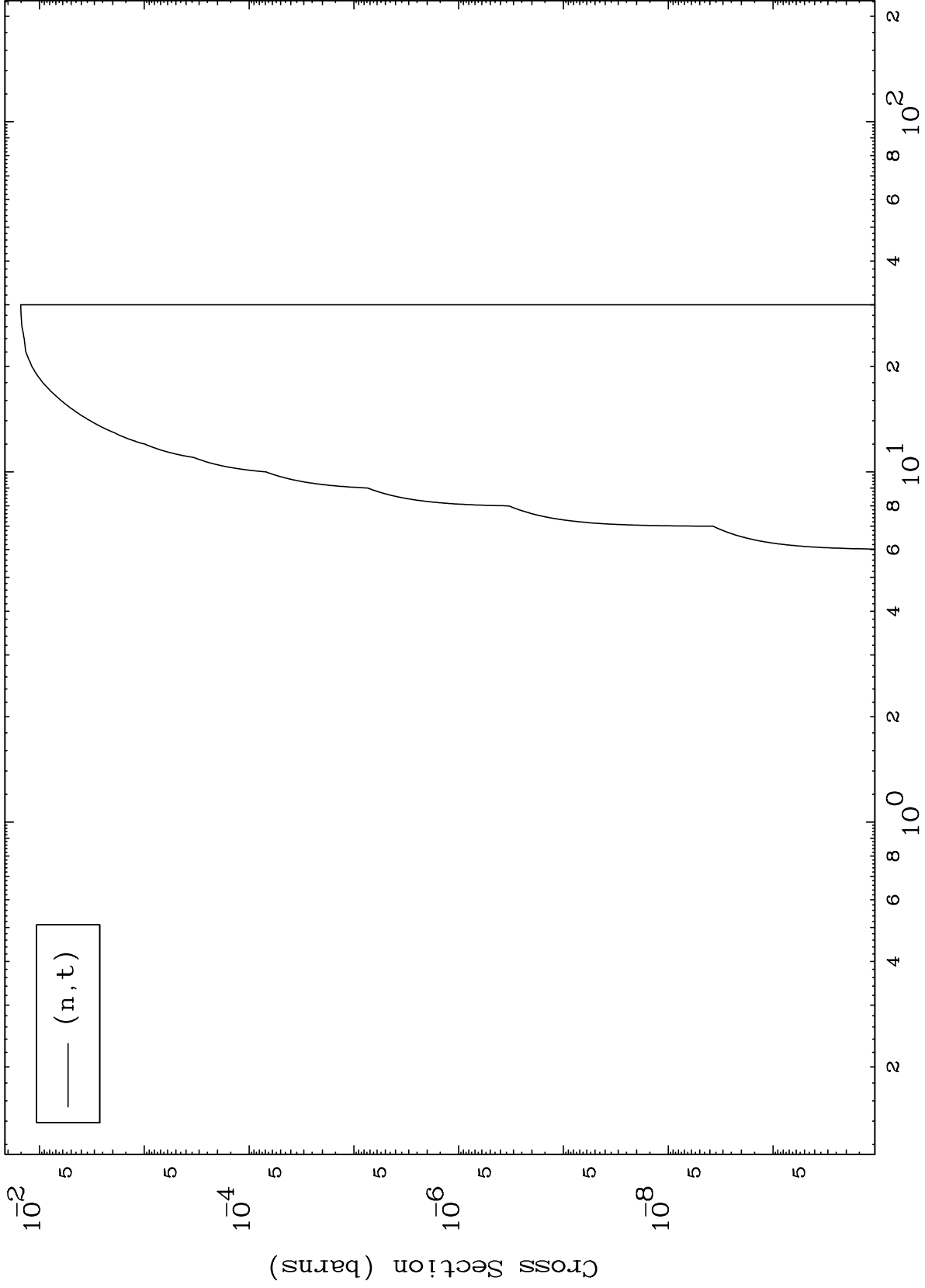


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(d, t) Levels

64-Gd-153

0 Kelvin Cross Sections



(n, t)

10

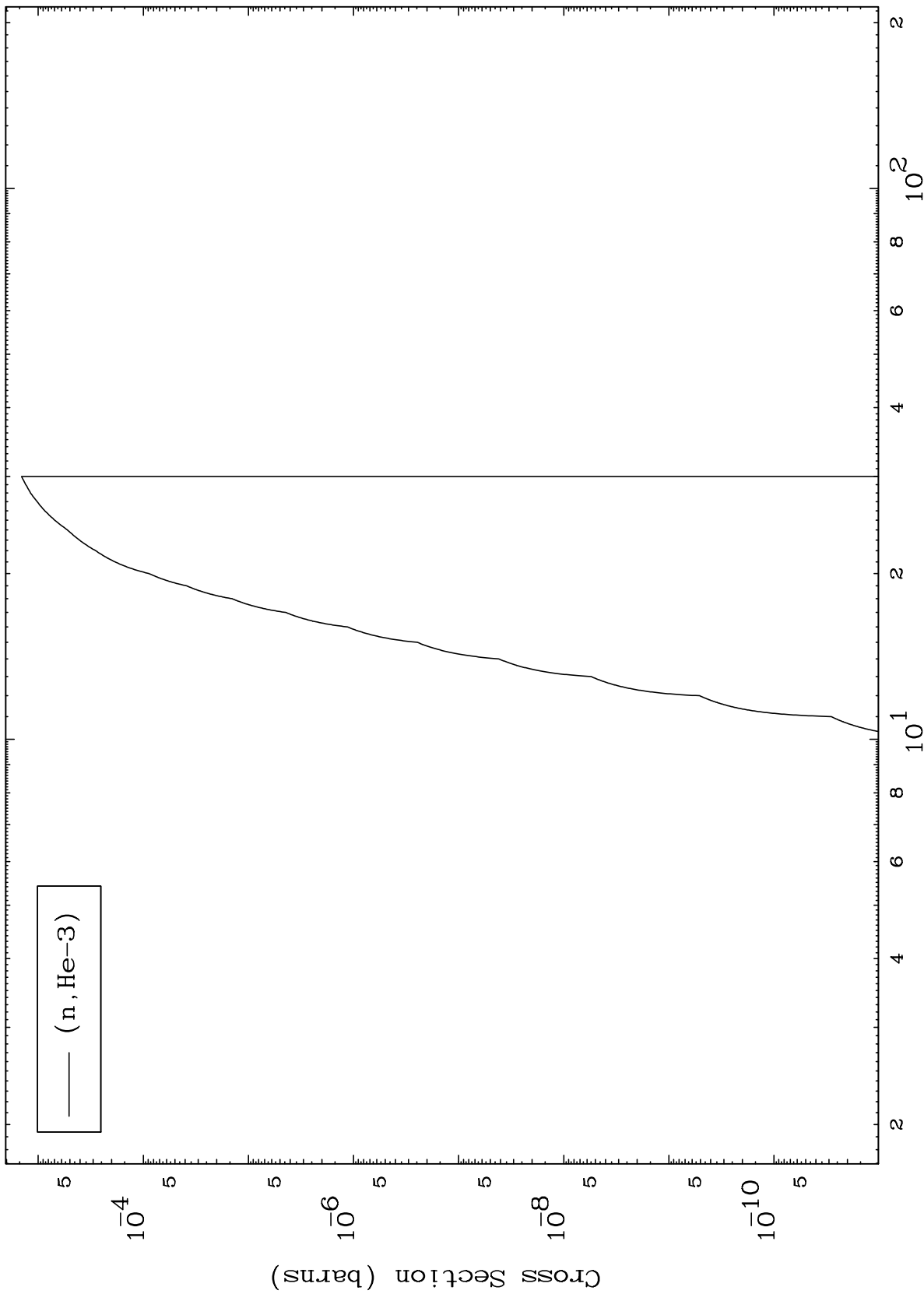
Incident Energy (MeV)

64-Gd-153

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64-Gd-153

(d,He3) Levels
0 Kelvin Cross Sections



11

64-Gd-153

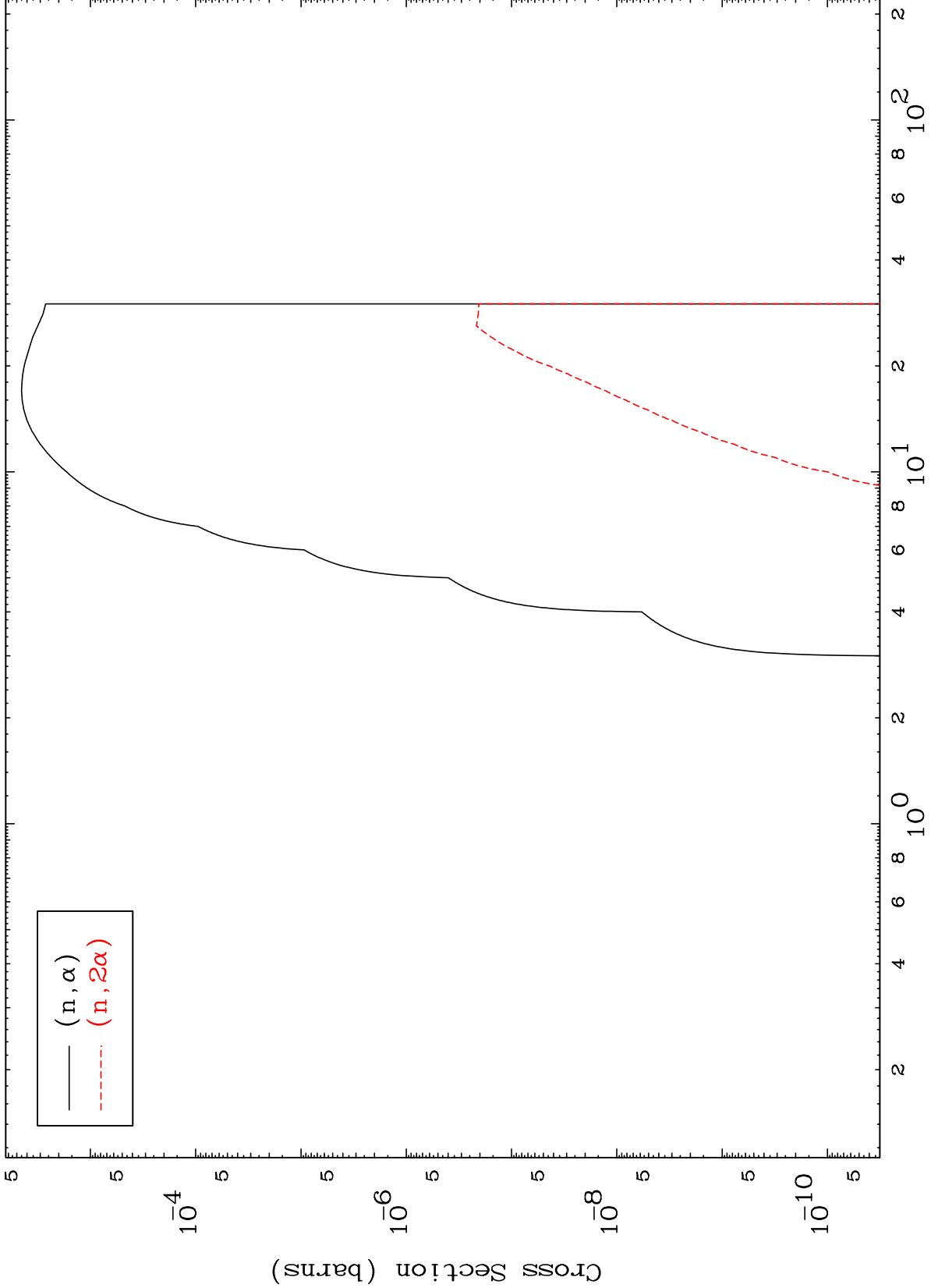
Incident Energy (MeV)

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(d, α) Levels

64-Gd-153

0 Kelvin Cross Sections



12

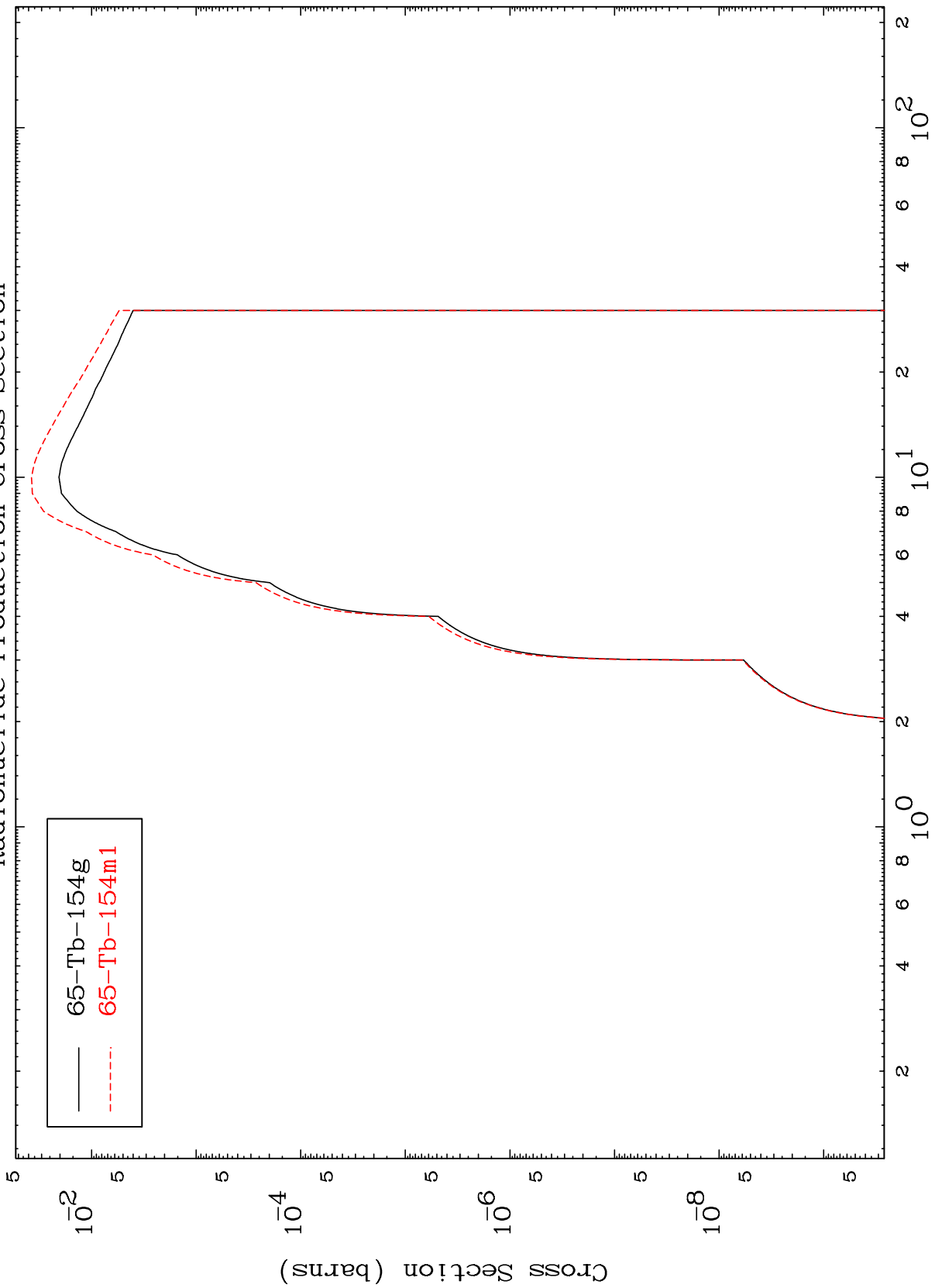
Incident Energy (MeV)

64-Gd-153

MAT 6428

64-Gd-153

Inelastic
Radionuclide Production Cross Section

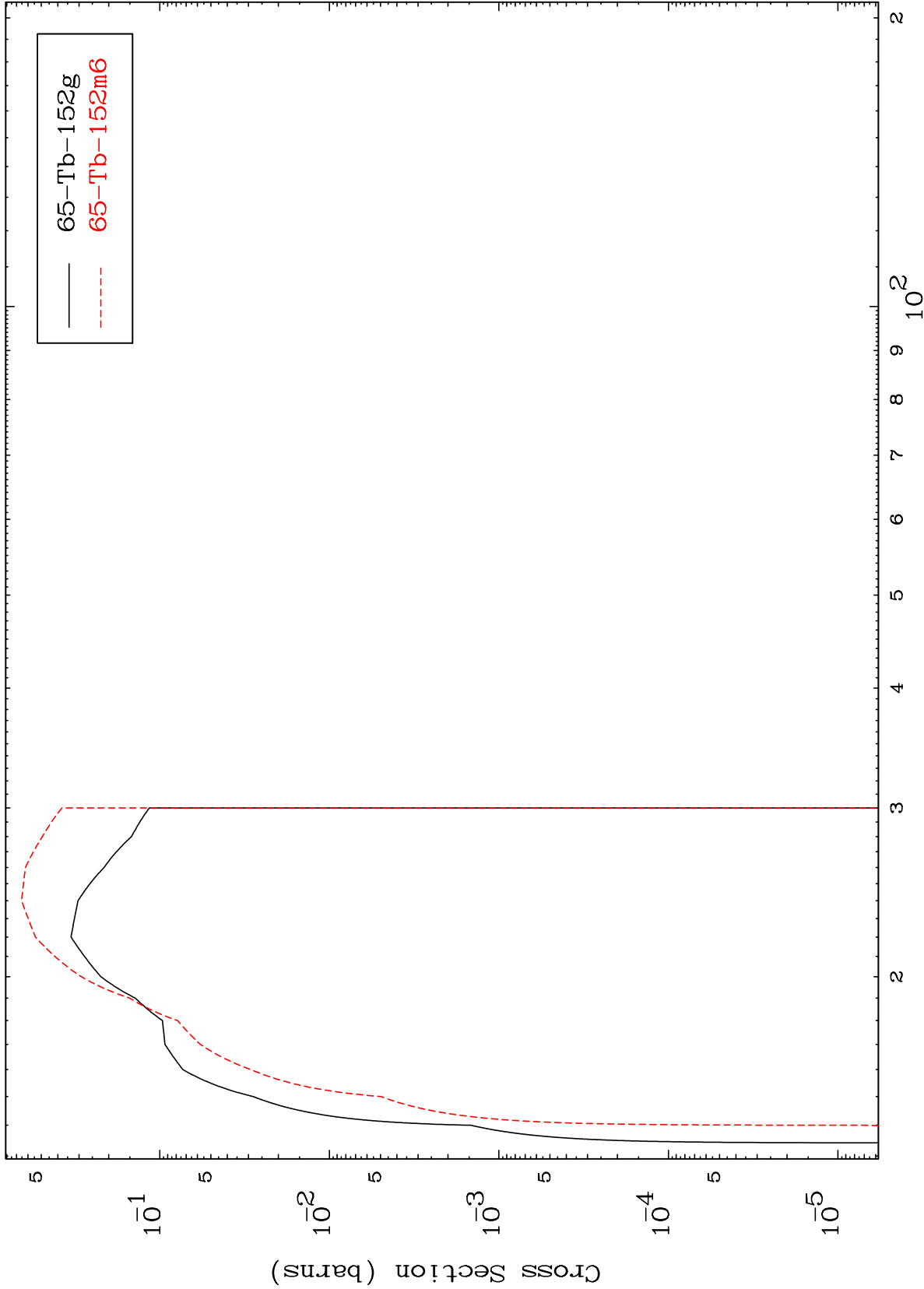


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(n,3n)

64-Gd-153

Radionuclide Production Cross Section



14

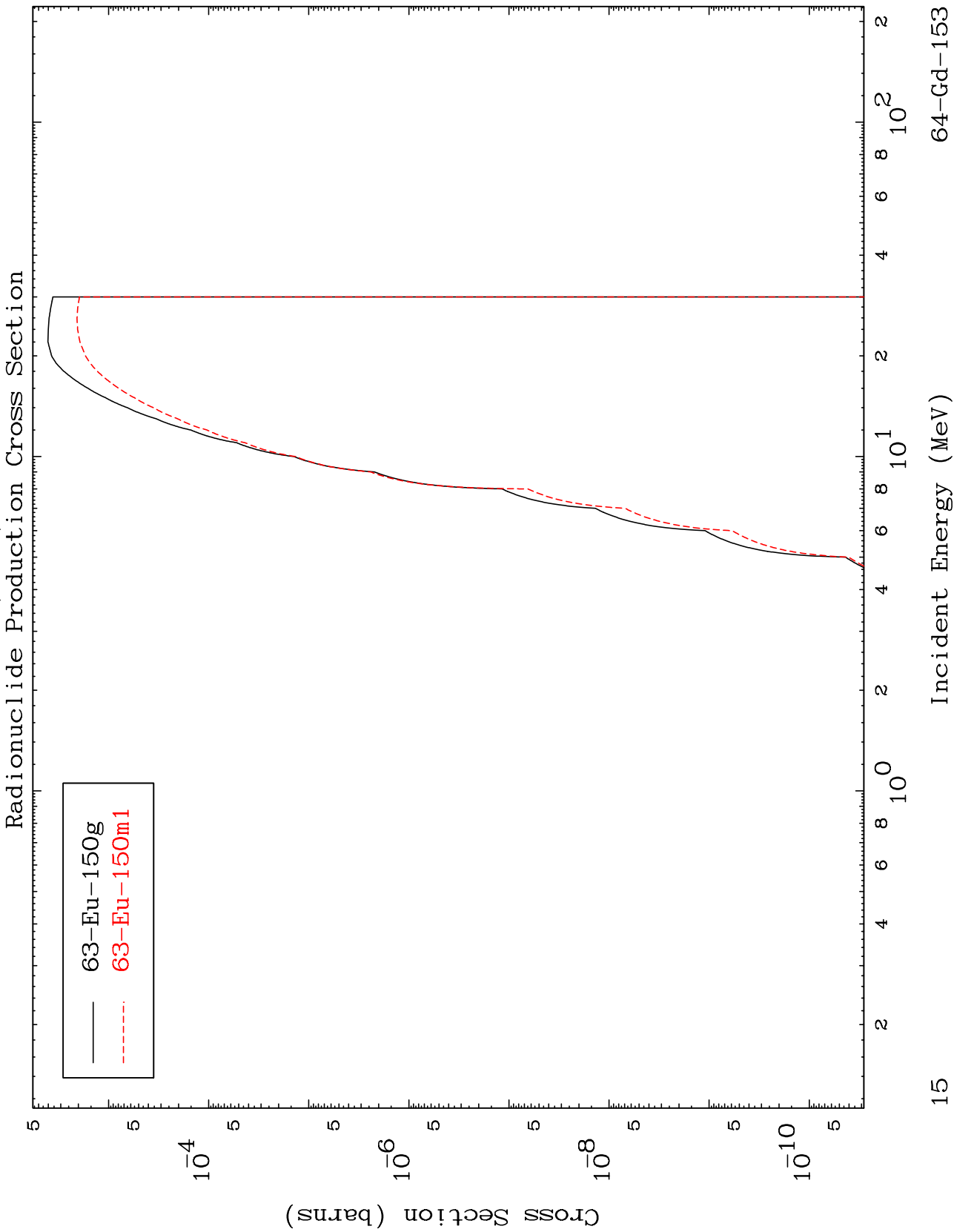
Incident Energy (MeV)

64-Gd-153

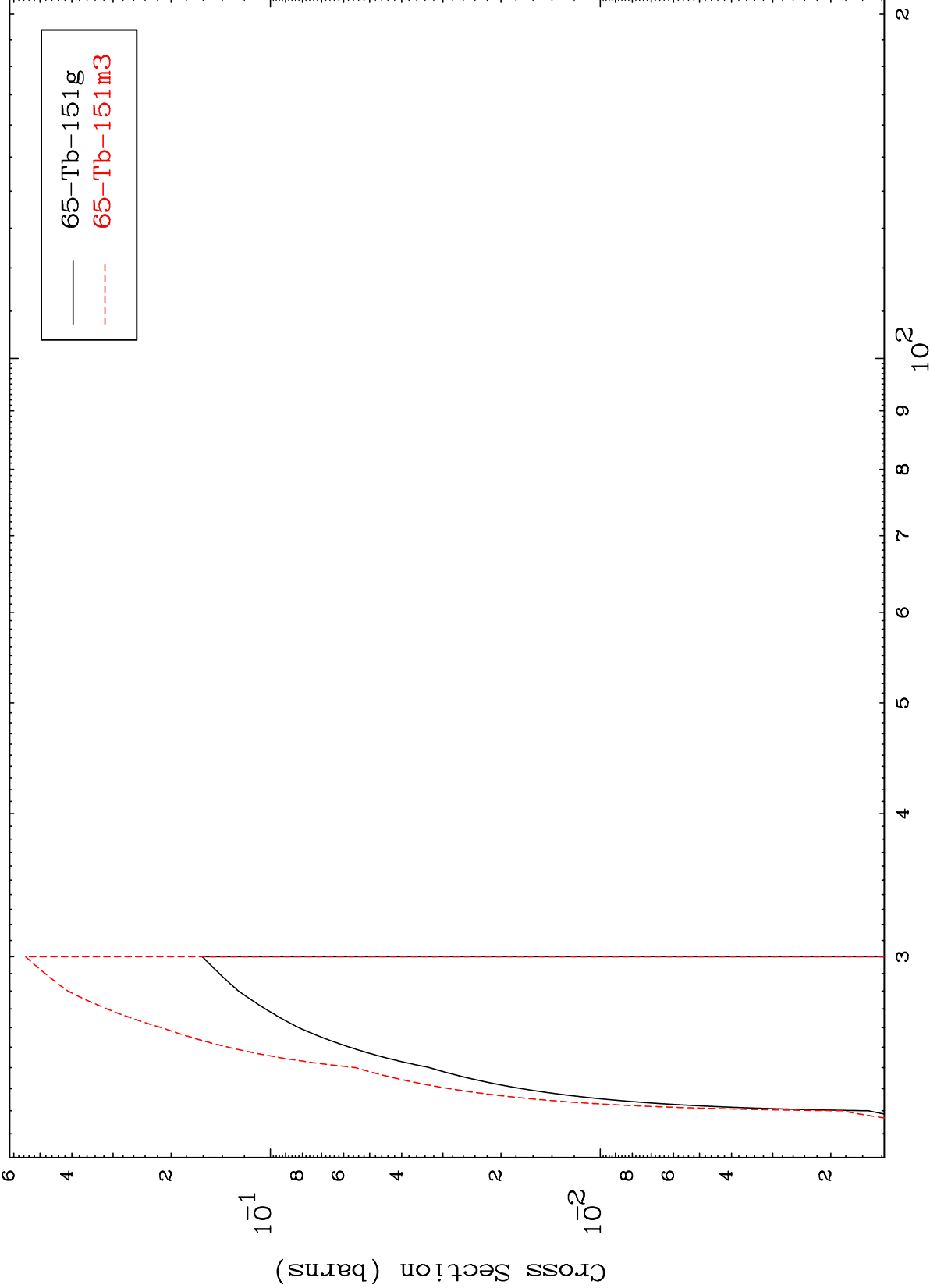
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$(n, n') \alpha$

64-Gd-153



Radionuclide Production Cross Section

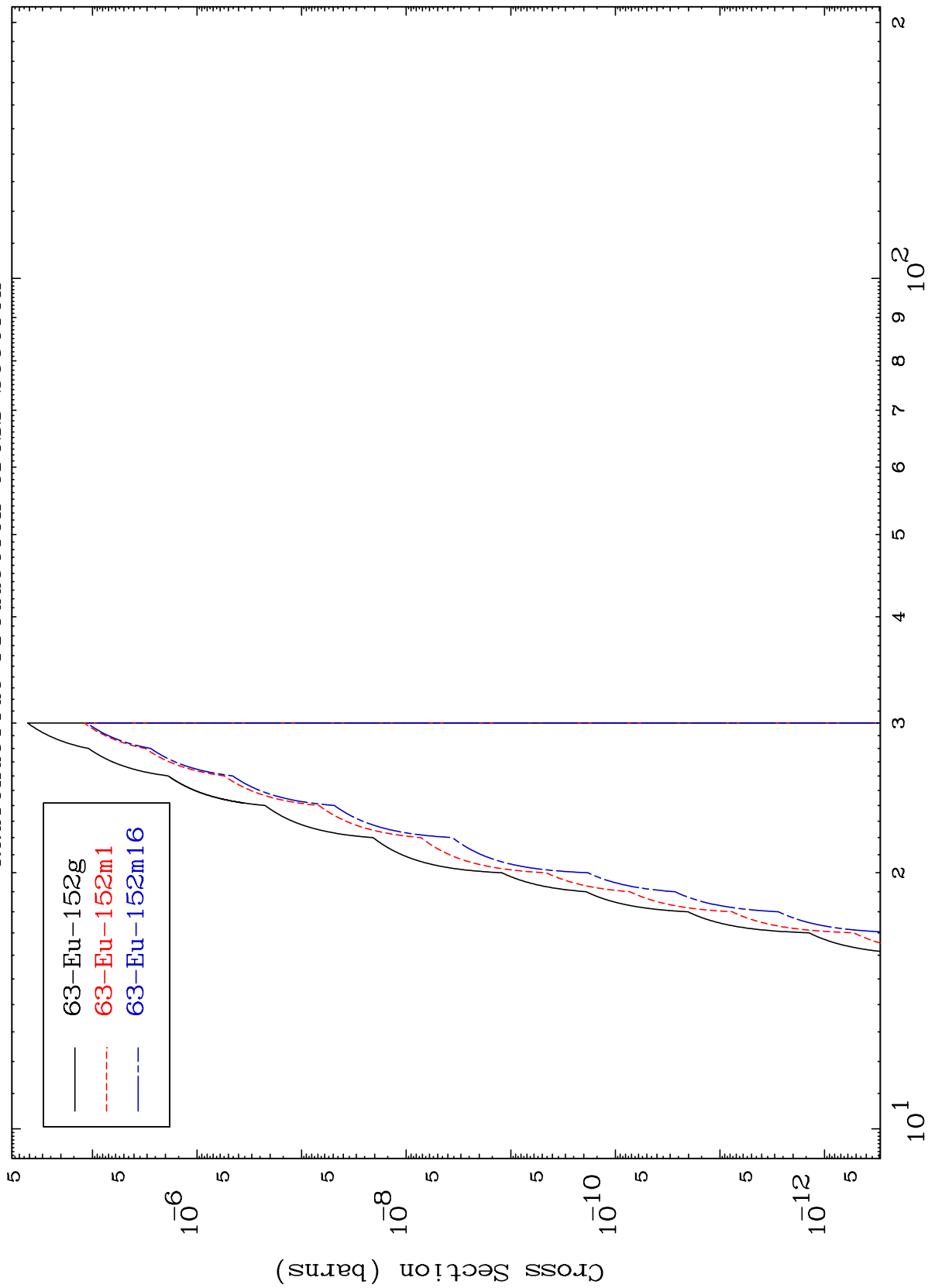


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(n,2n) p

64-Gd-153

Radionuclide Production Cross Section



Incident Energy (MeV)

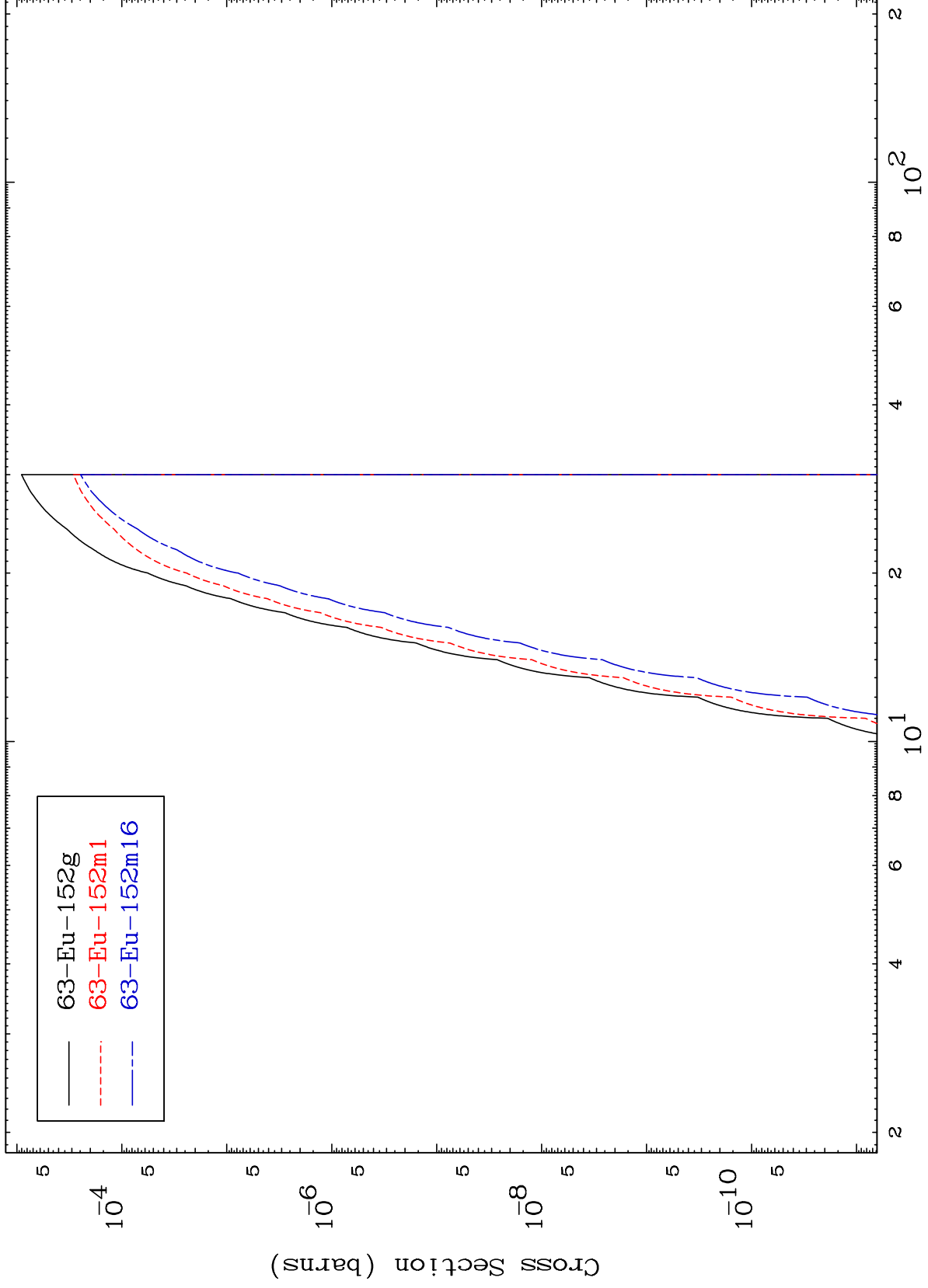
64-Gd-153

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(n,He-3)

64-Gd-153

Radionuclide Production Cross Section



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

18

Incident Energy (MeV)

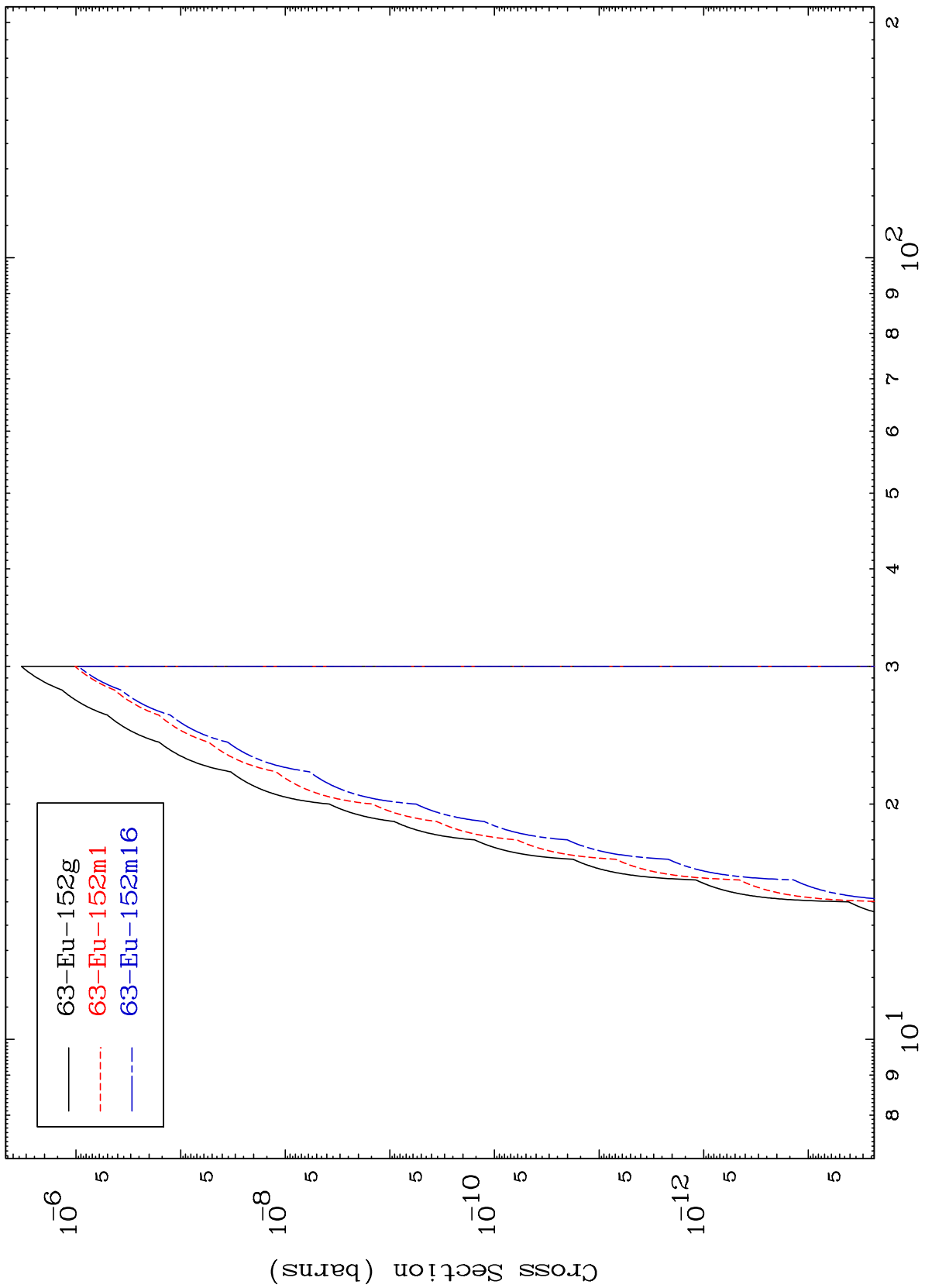
64-Gd-153

MAT 6428

(n,p) d

64-Gd-153

Radionuclide Production Cross Section



19

Incident Energy (MeV)

64-Gd-153