

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

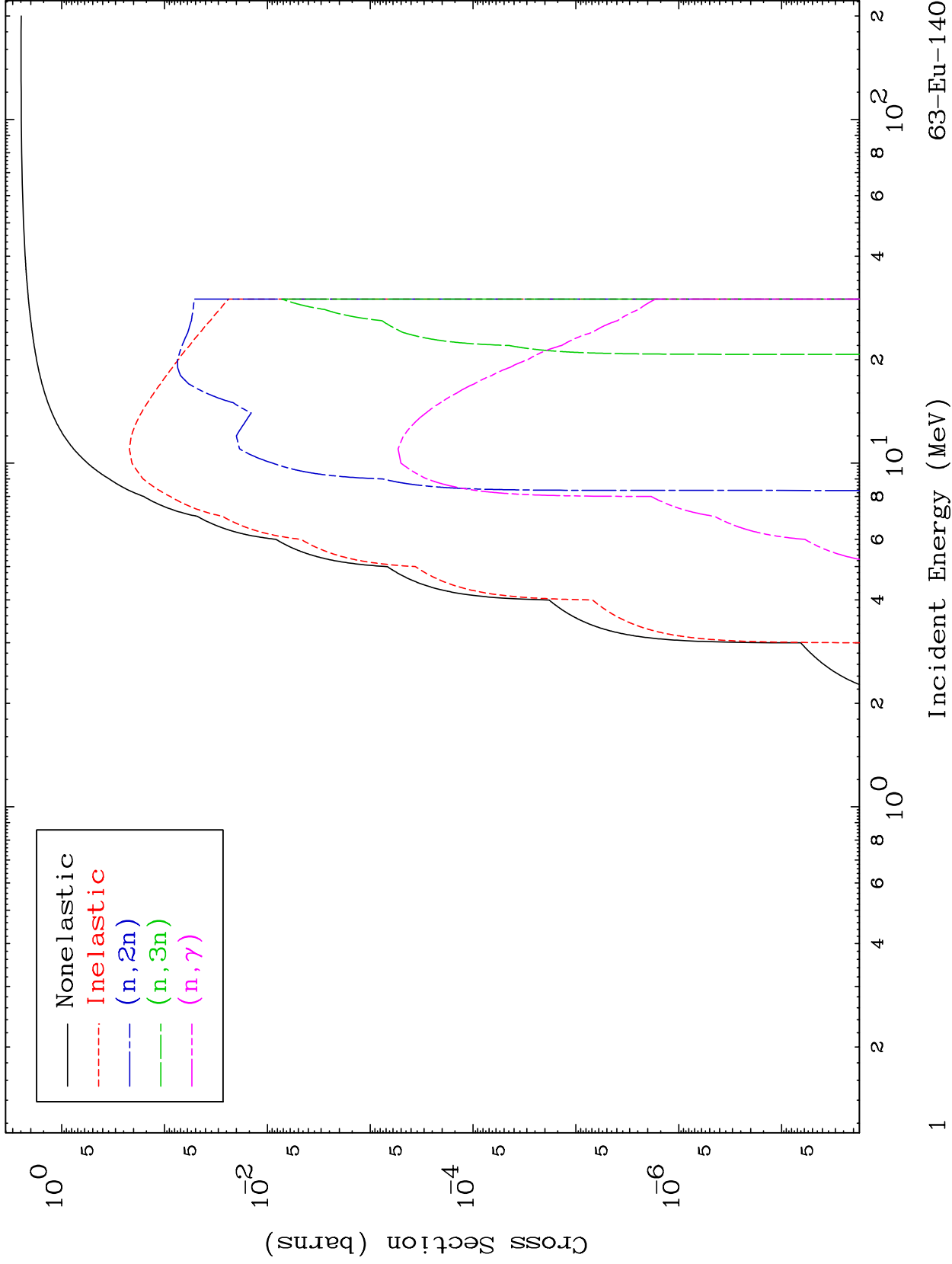
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Web:redcullen1.net/HOMEPAGE.NEW

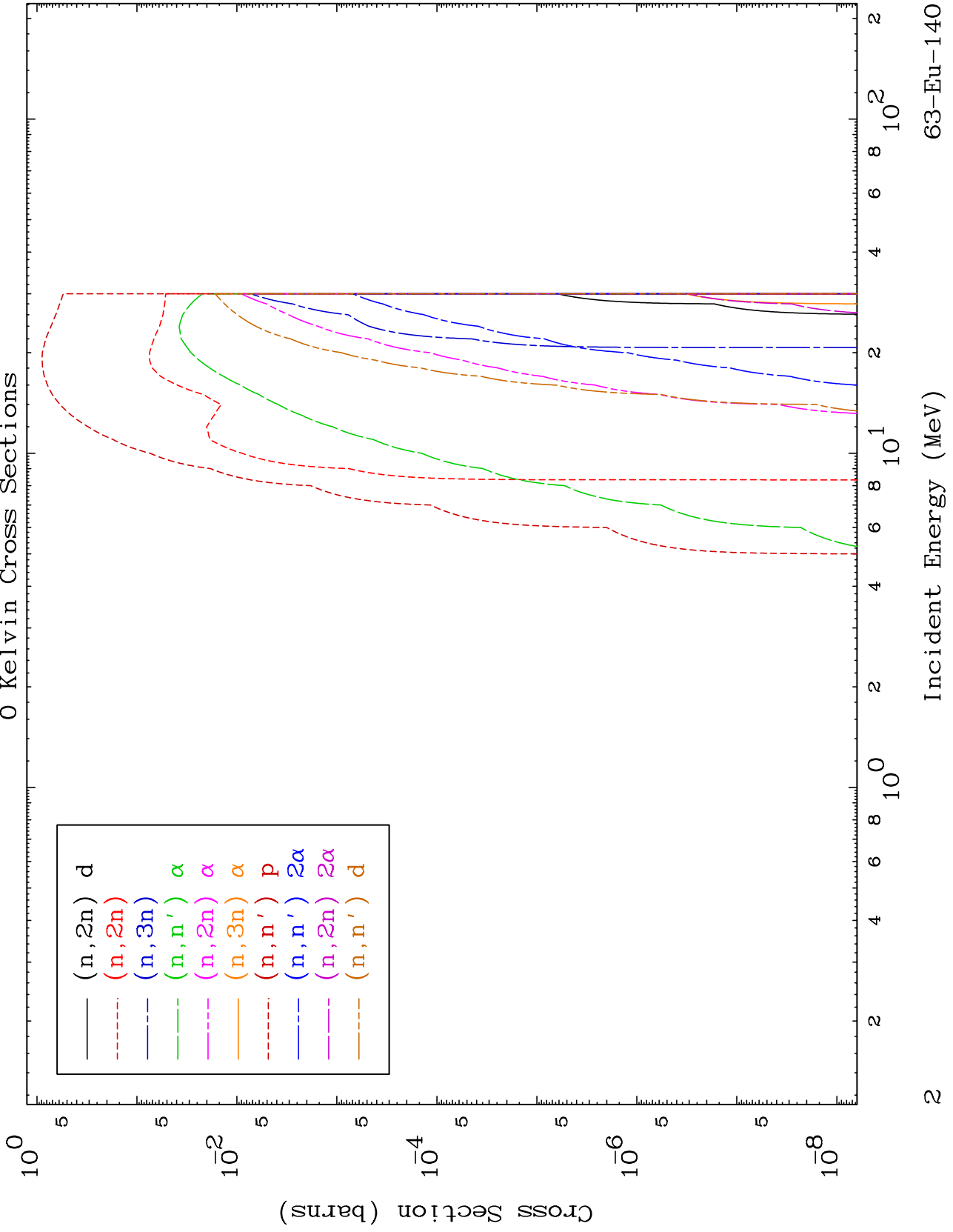
Press Mouse Button to Start

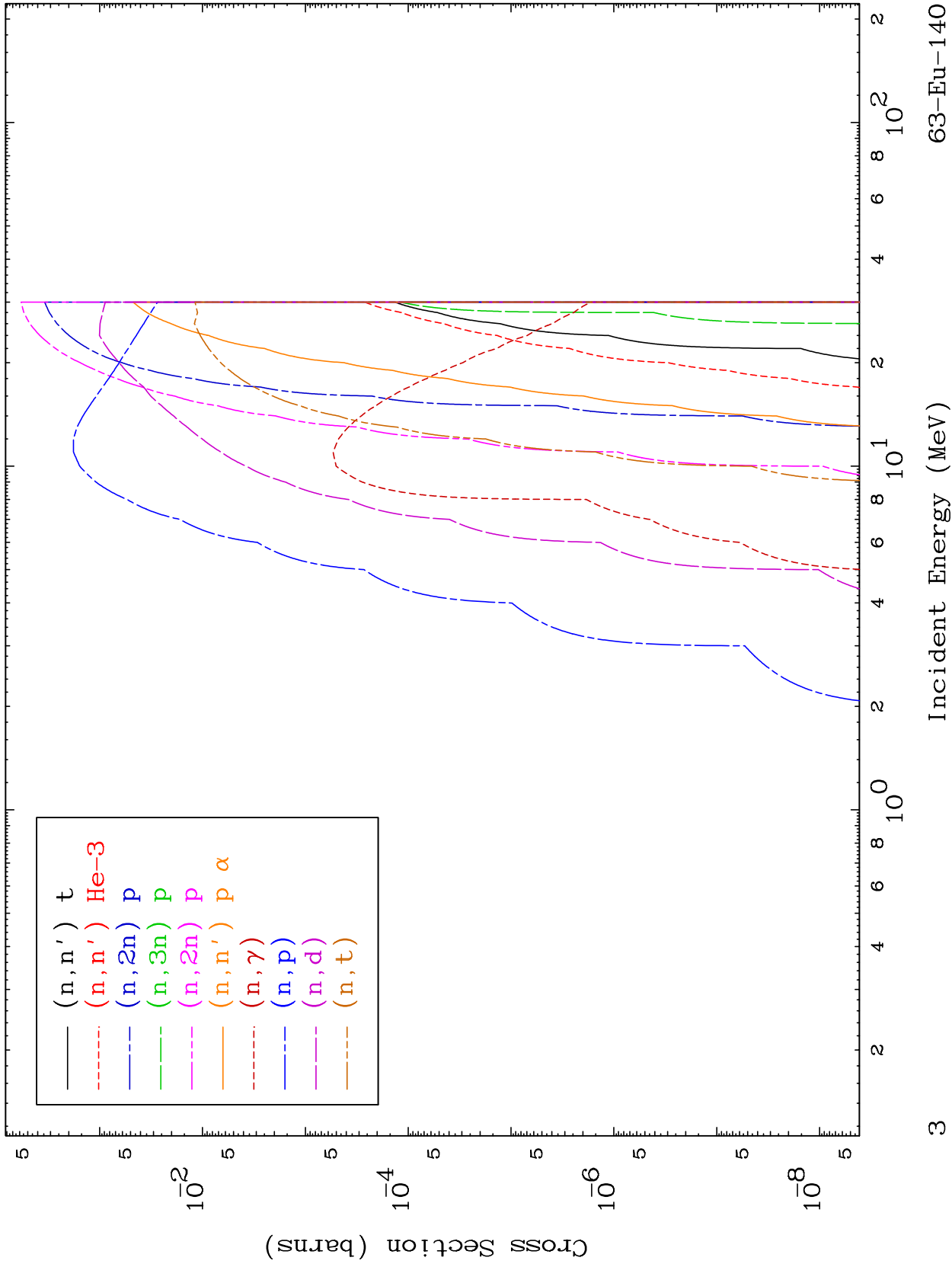


MAT 6292

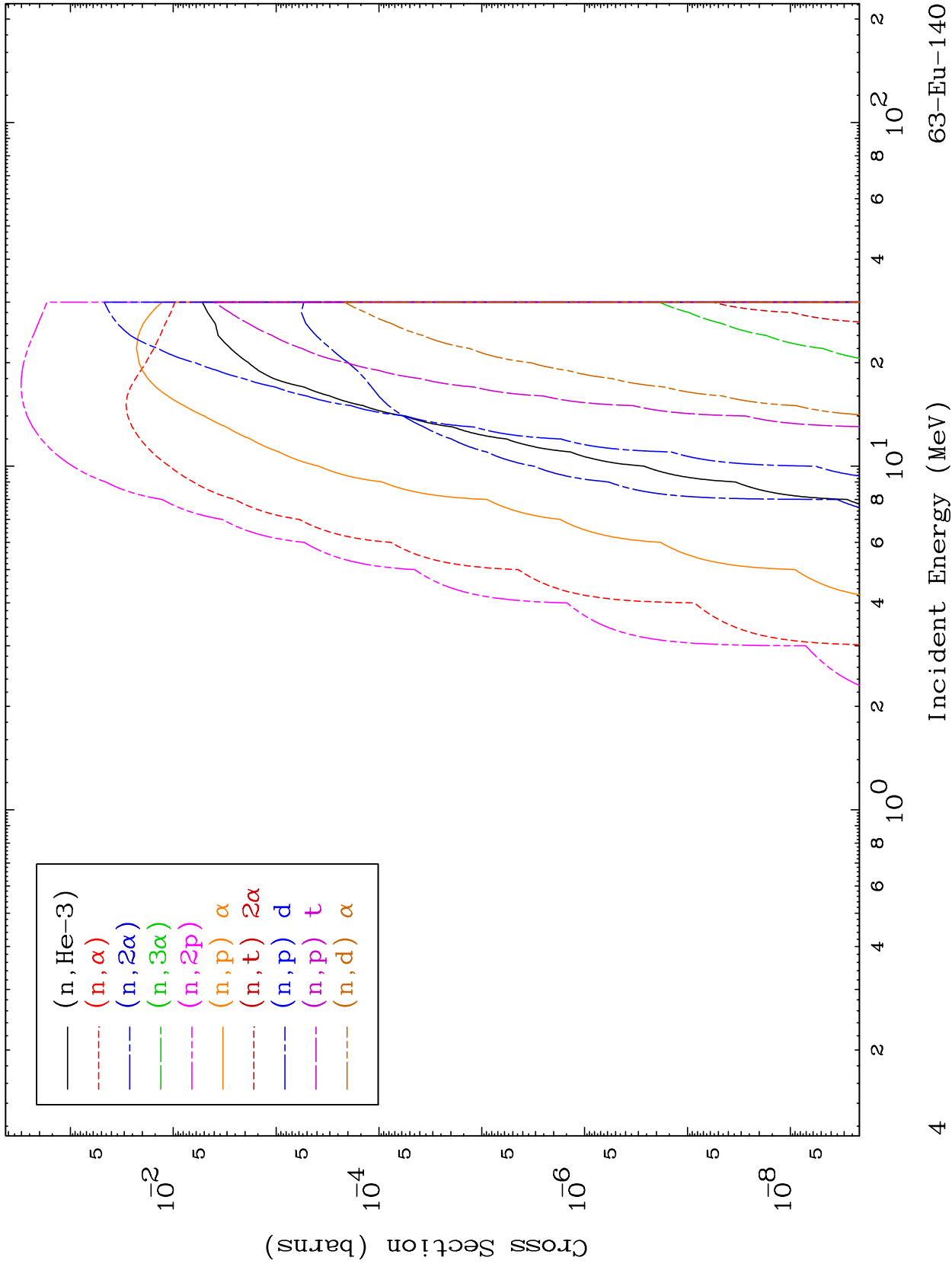
Deuteron Neutron Absorption
0 Kelvin Cross Sections

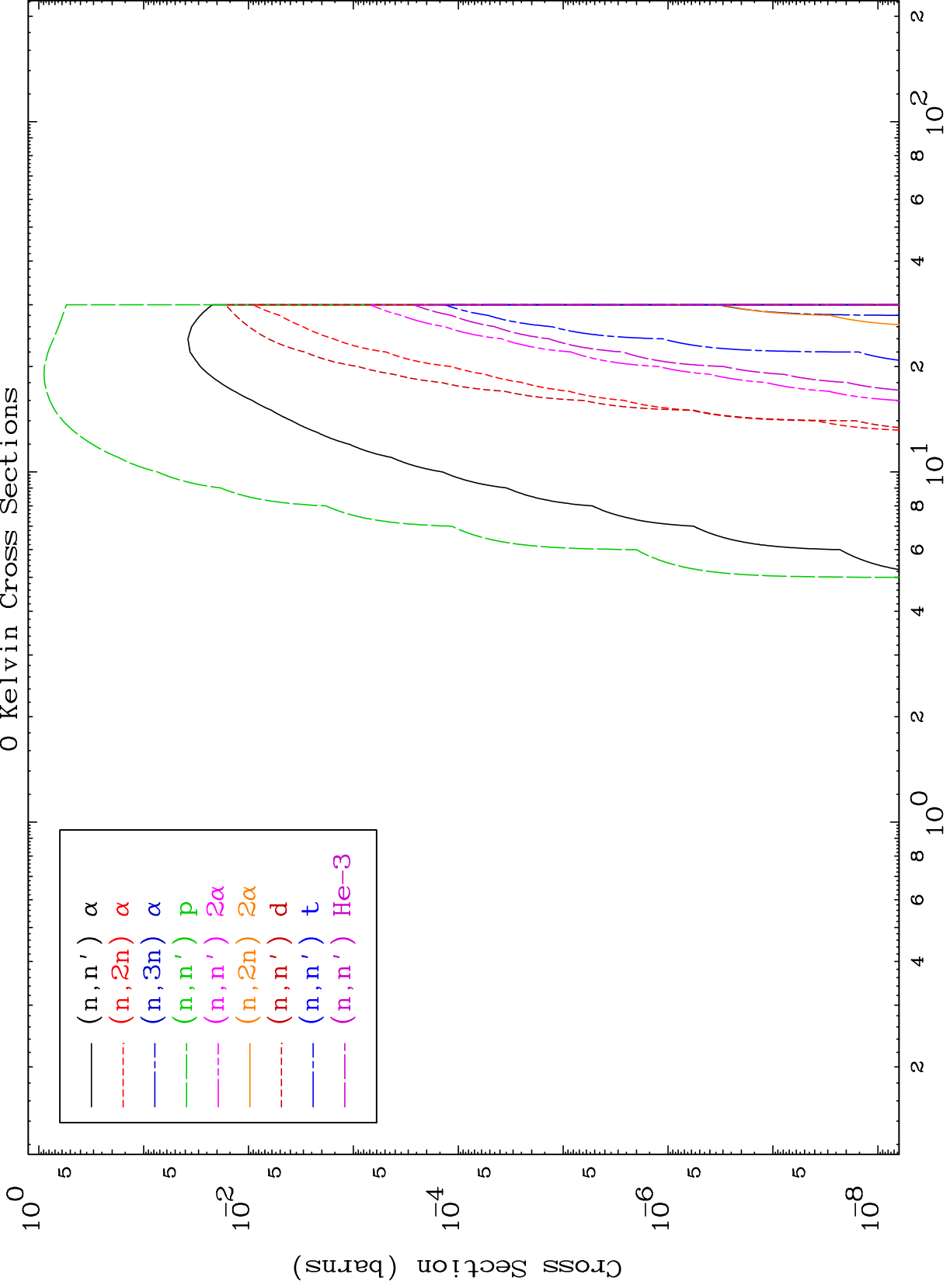
63-Eu-140

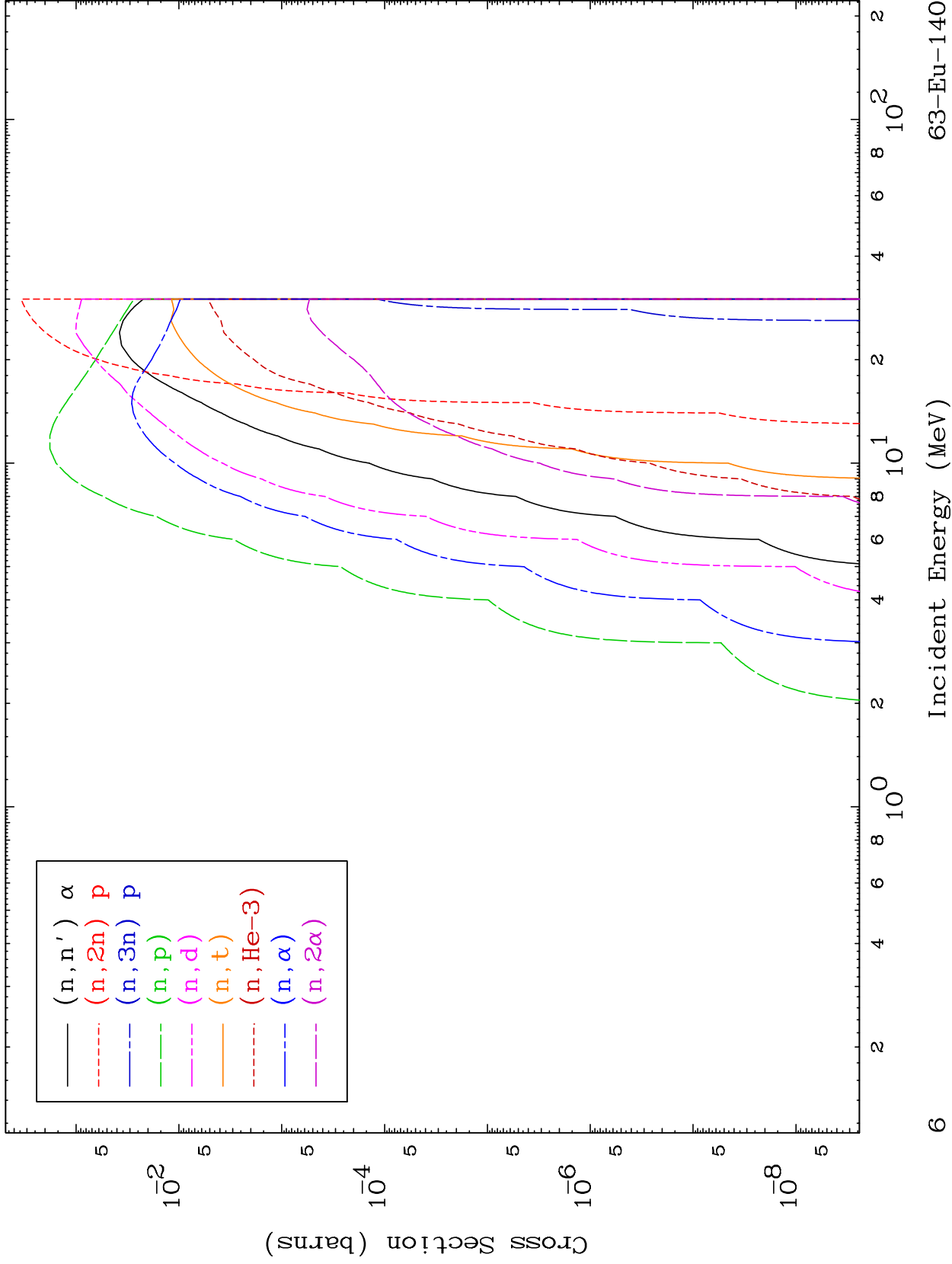


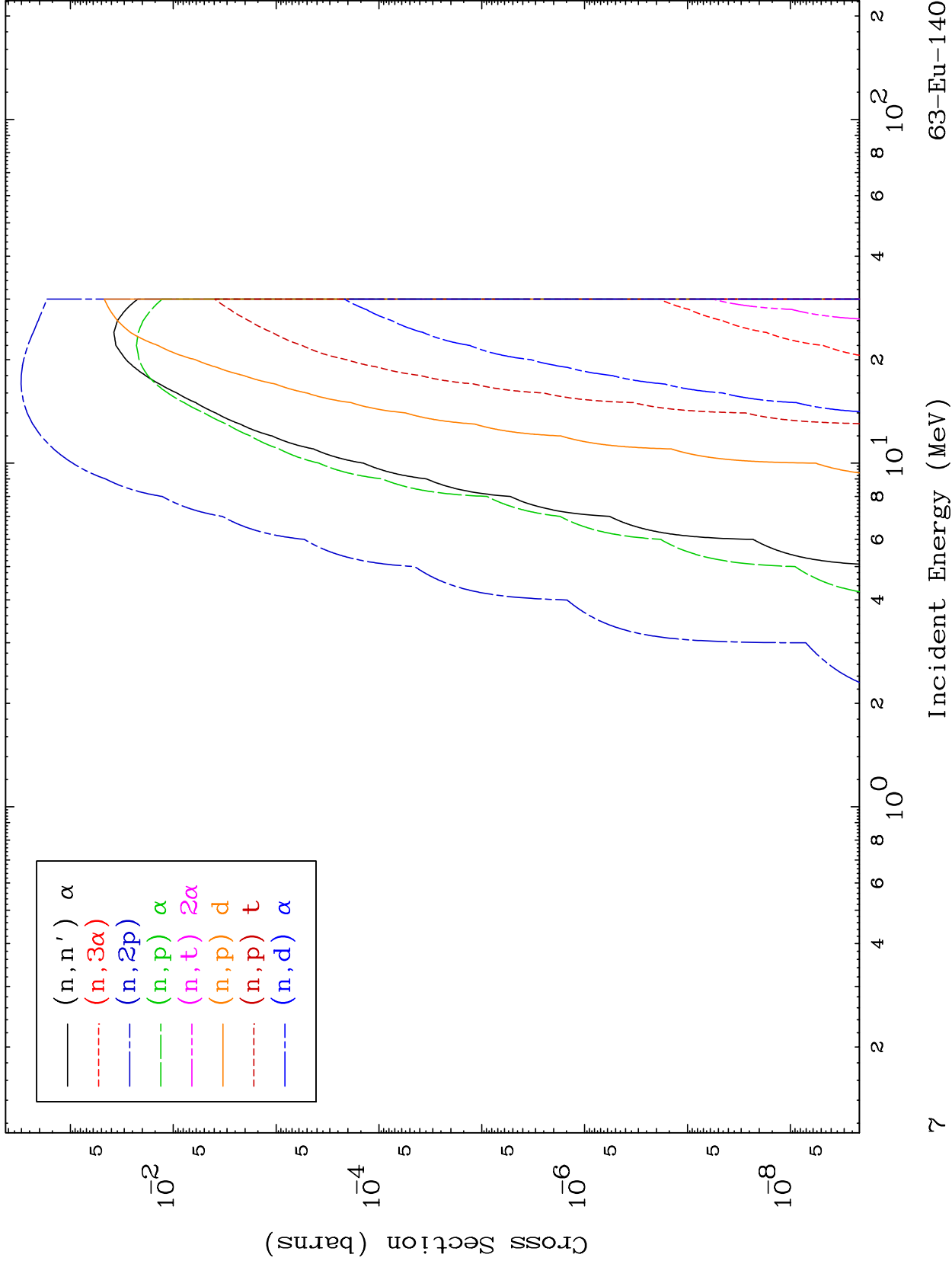


Deuteron Neutron Absorption
0 Kelvin Cross Sections





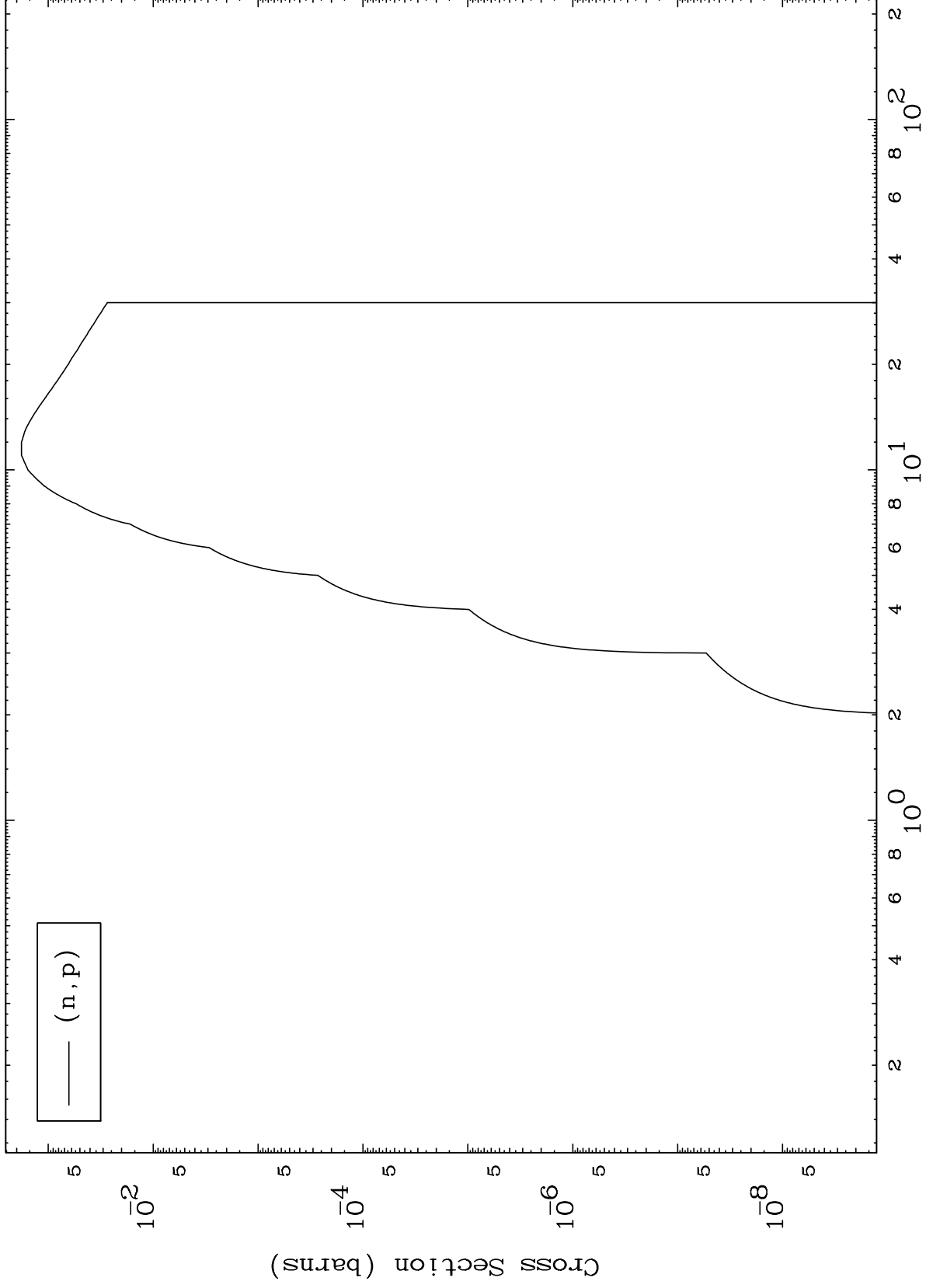




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(d,p) Levels
0 Kelvin Cross Sections

63-Eu-140

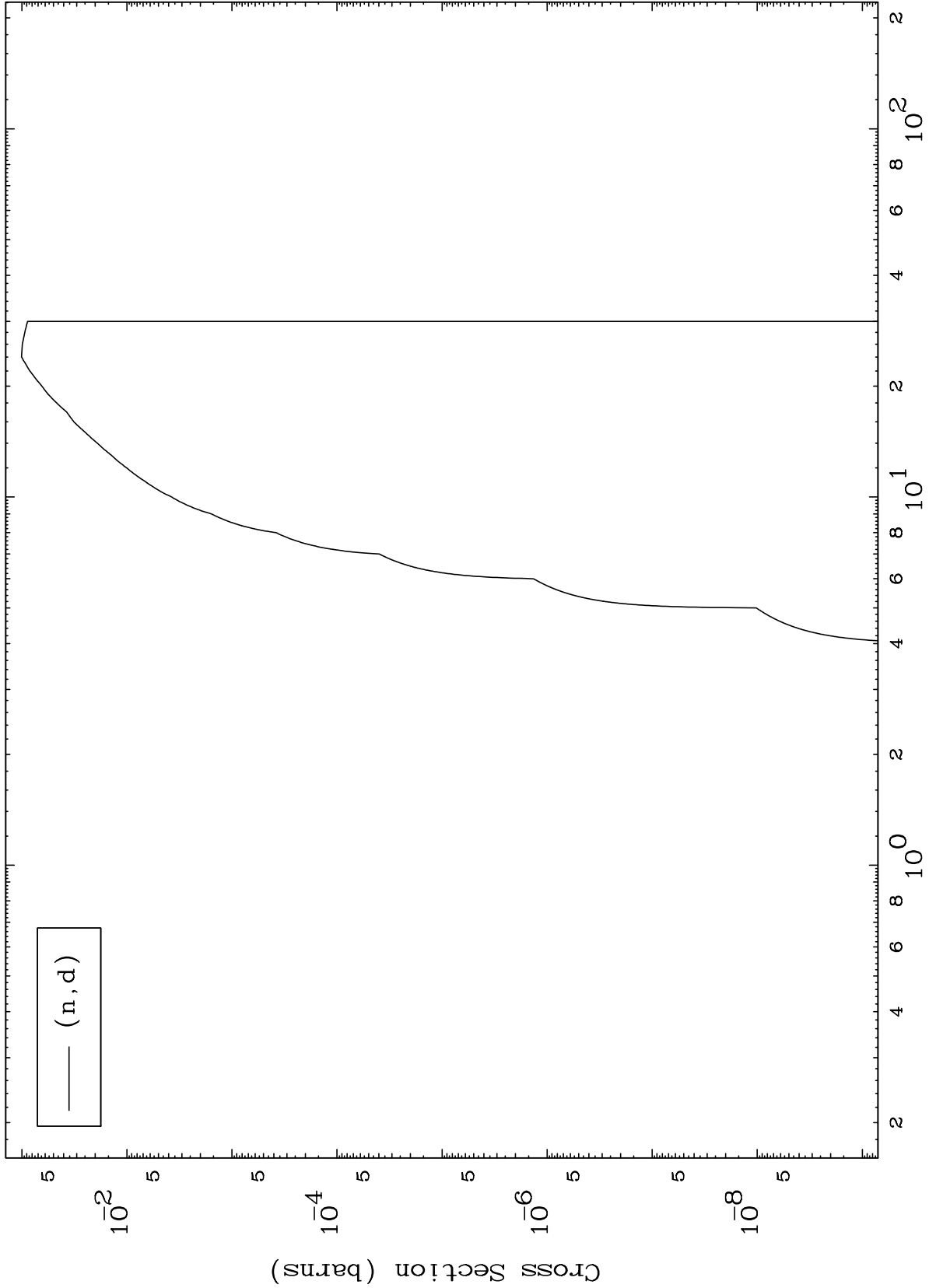


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(d,d) Levels

63-Eu-140

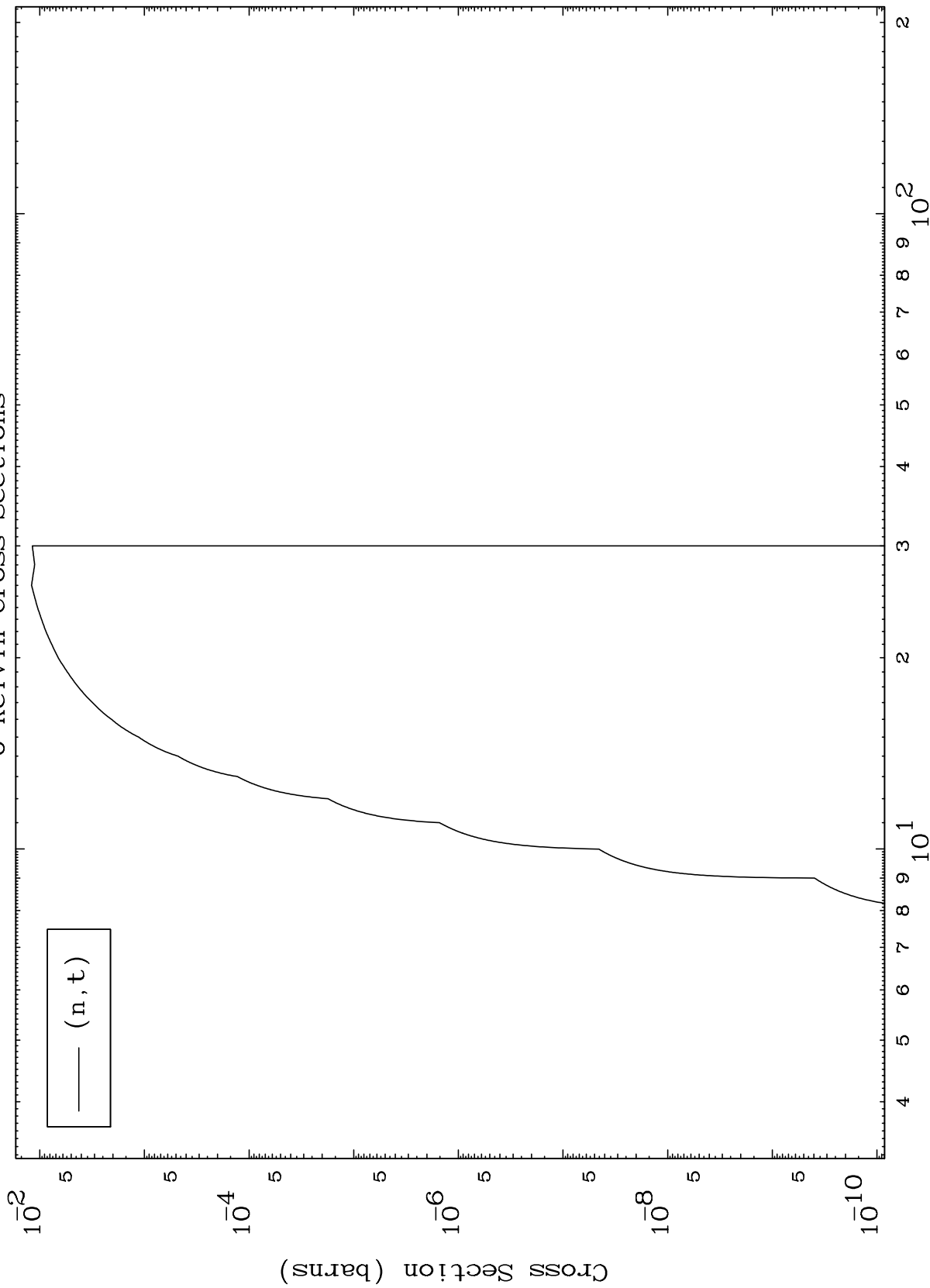
0 Kelvin Cross Sections



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(d,t) Levels
0 Kelvin Cross Sections

63-Eu-140



10

Incident Energy (MeV)

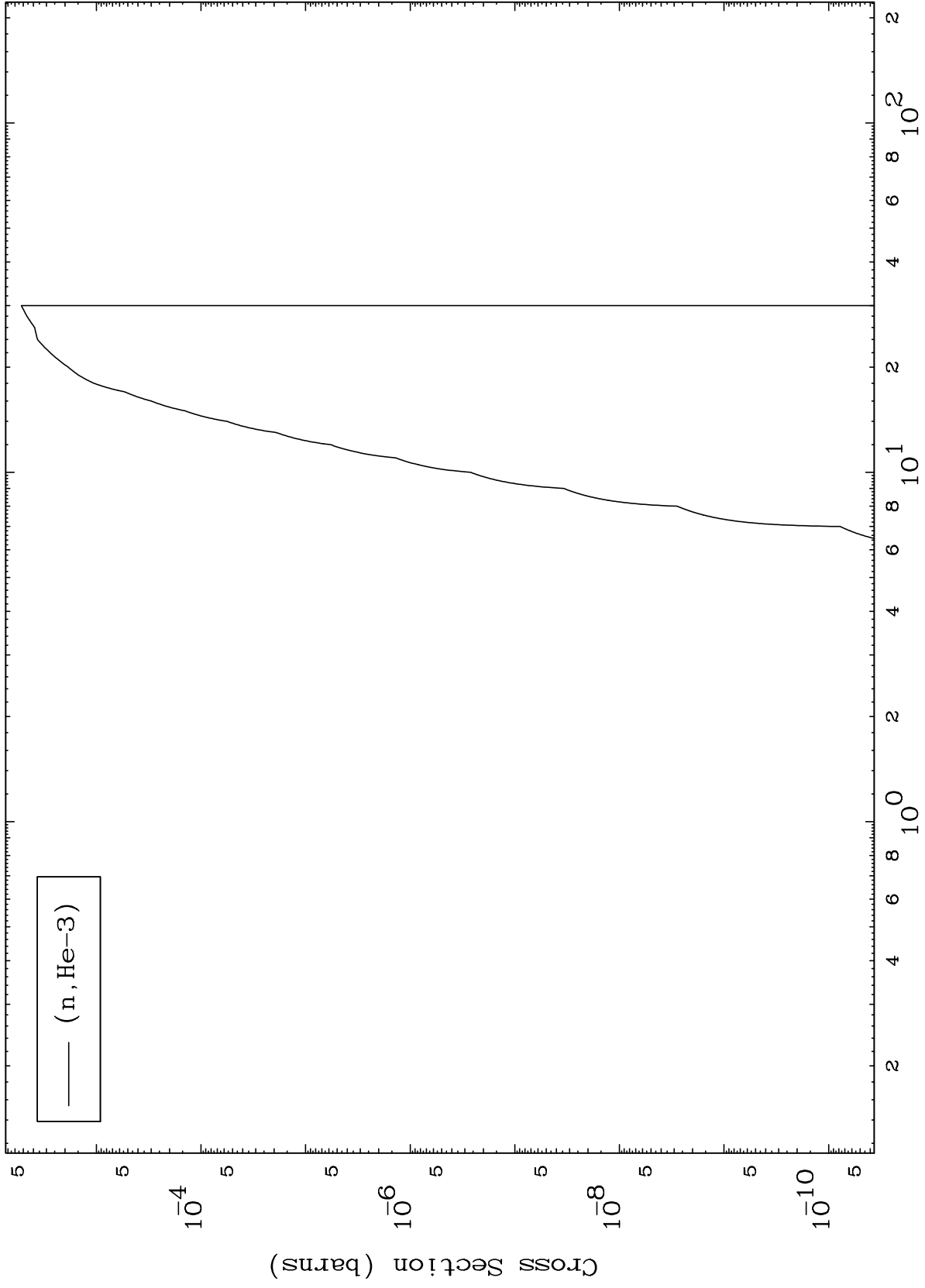
63-Eu-140

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(d,He3) Levels

63-Eu-140

0 Kelvin Cross Sections

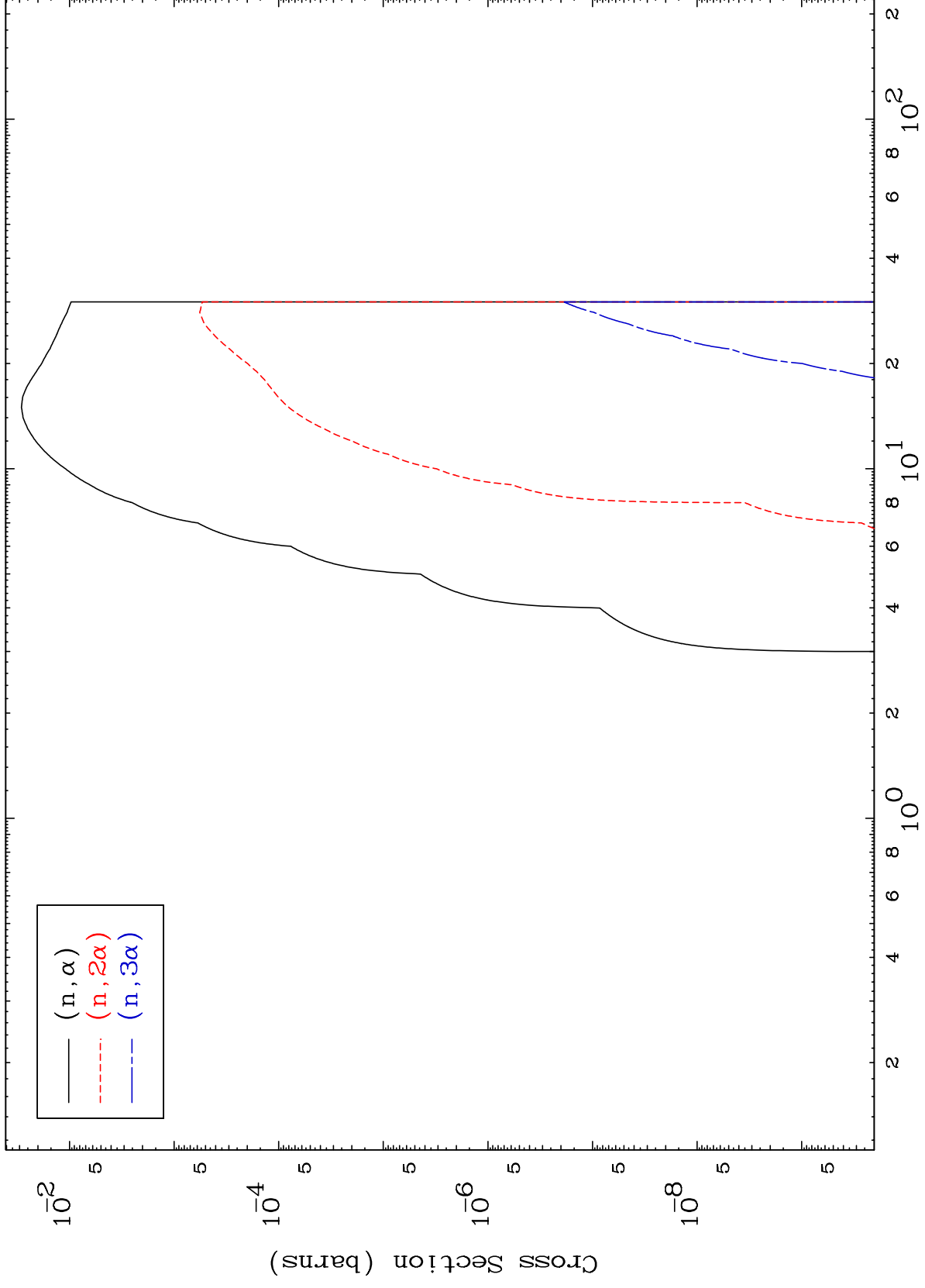


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(d, α) Levels

63-Eu-140

0 Kelvin Cross Sections



(n, α)
(n, 2α)
(n, 3α)

12

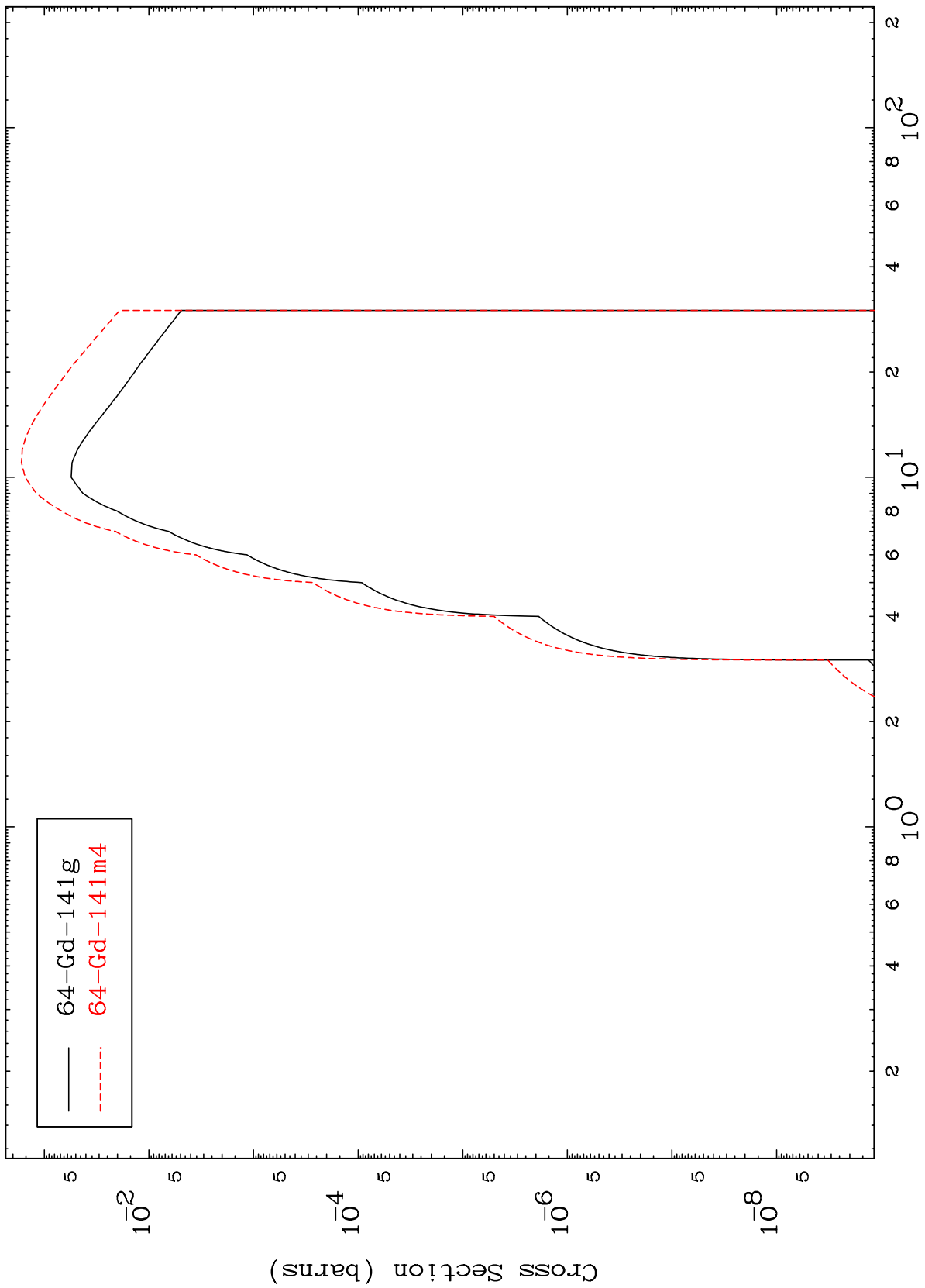
Incident Energy (MeV)

63-Eu-140

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63-Eu-140

Inelastic
Radionuclide Production Cross Section



63-Eu-140

Incident Energy (MeV)

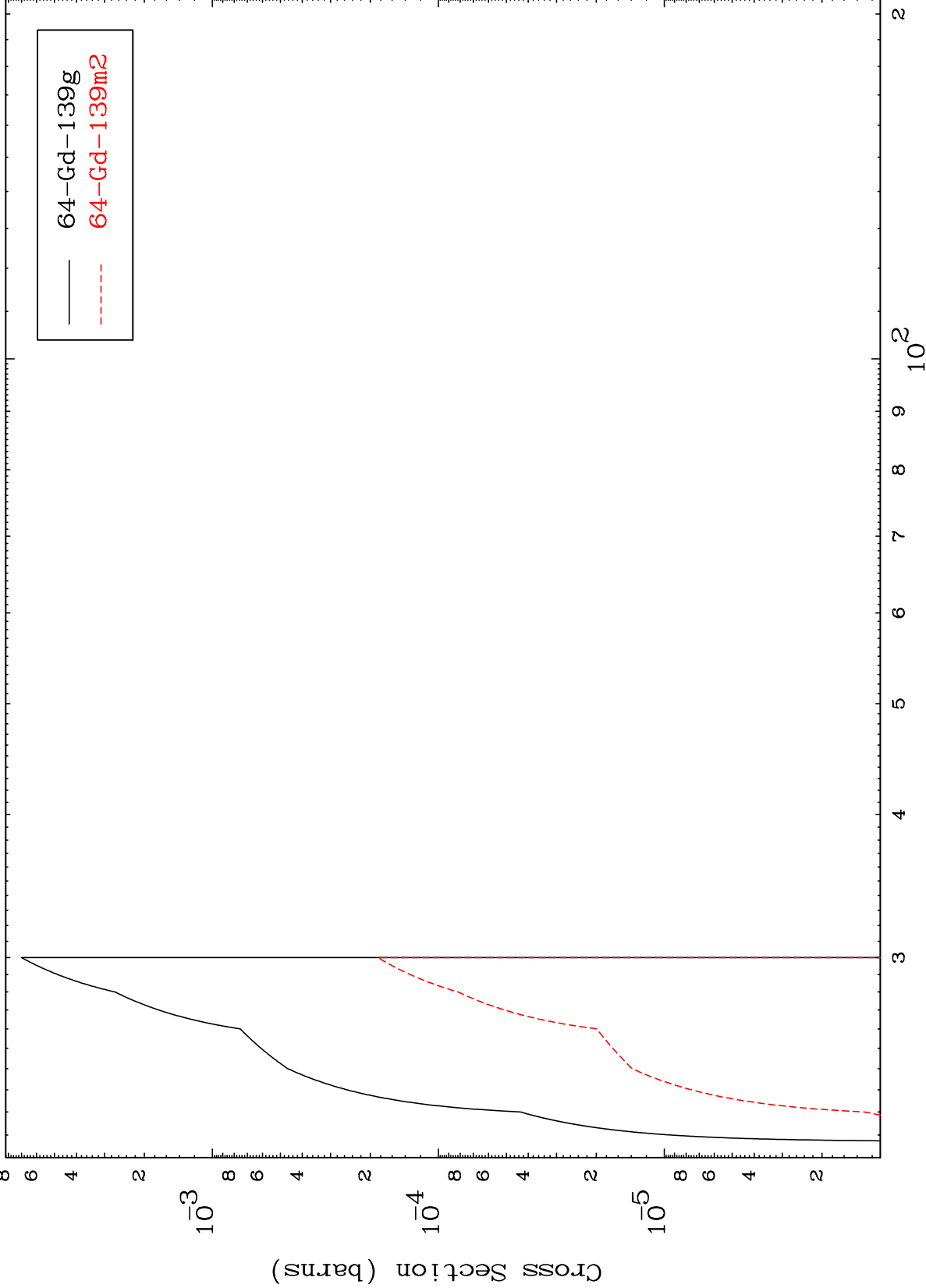
13

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(n,3n)

63-Eu-140

Radionuclide Production Cross Section



64-Gd-139g
64-Gd-139m2

14

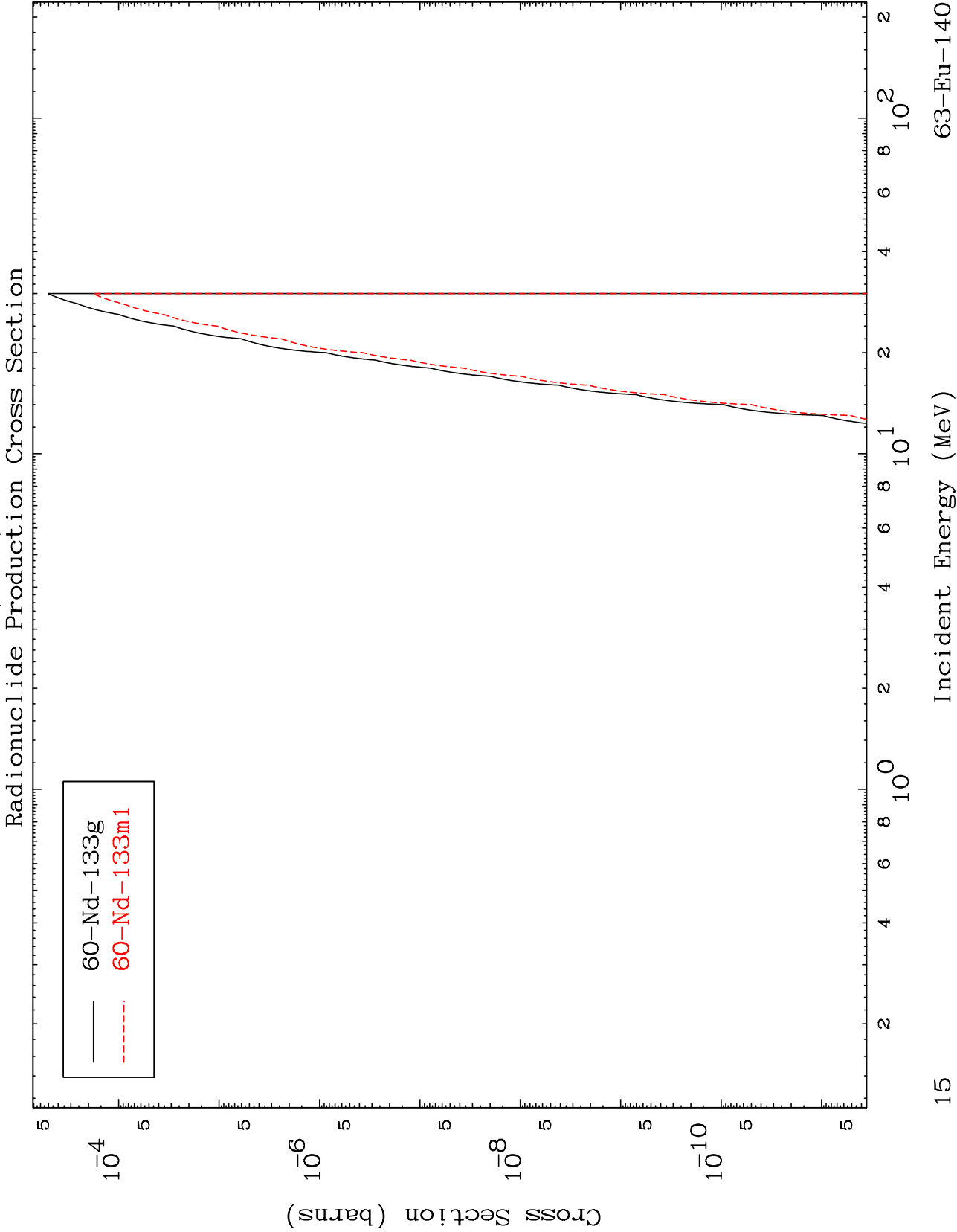
Incident Energy (MeV)

63-Eu-140

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(n,n') 2 α

63-Eu-140



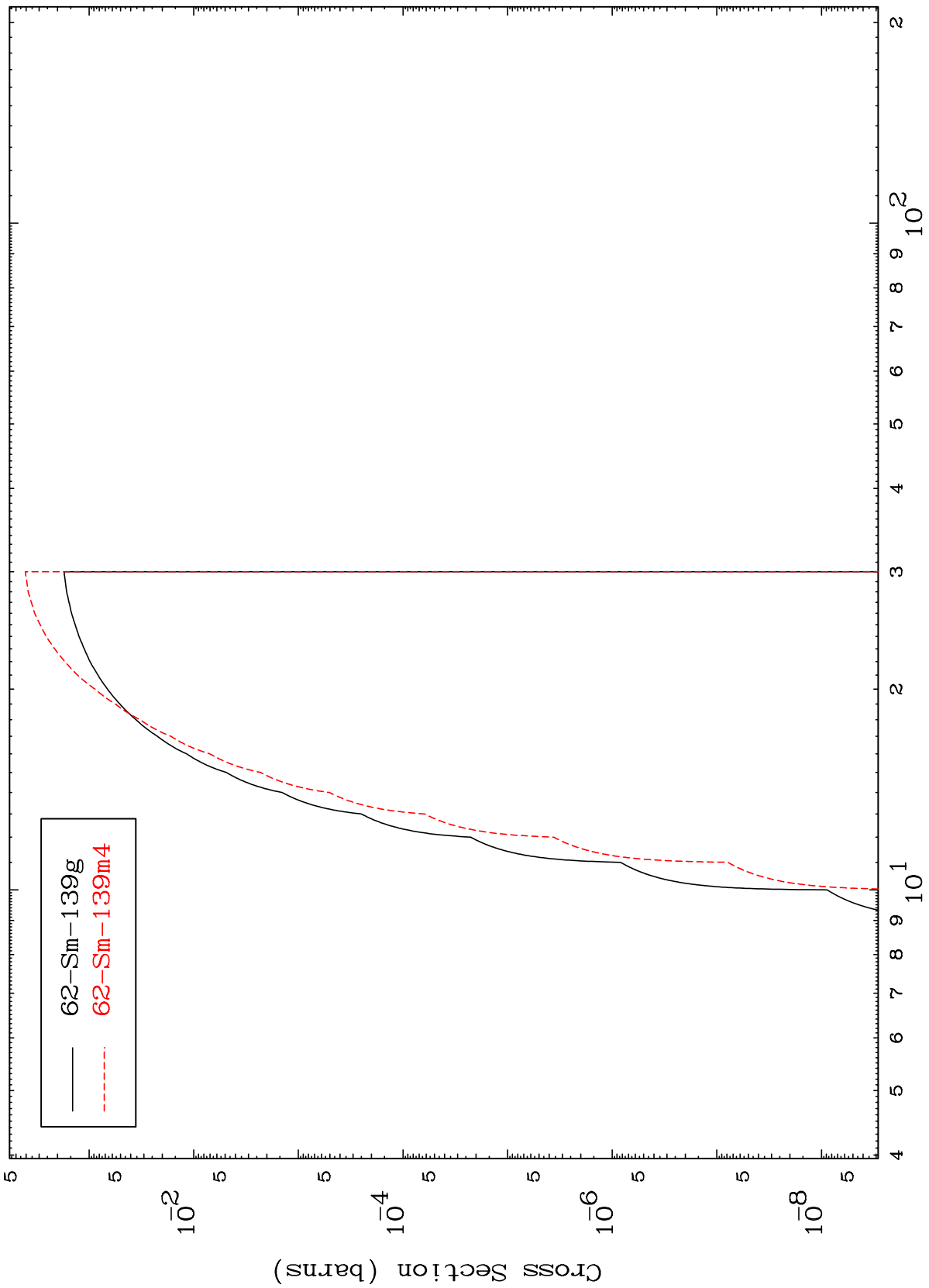
60-Nd-133g
60-Nd-133m1

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(n,2n) p

63-Eu-140

Radionuclide Production Cross Section



16

Incident Energy (MeV)

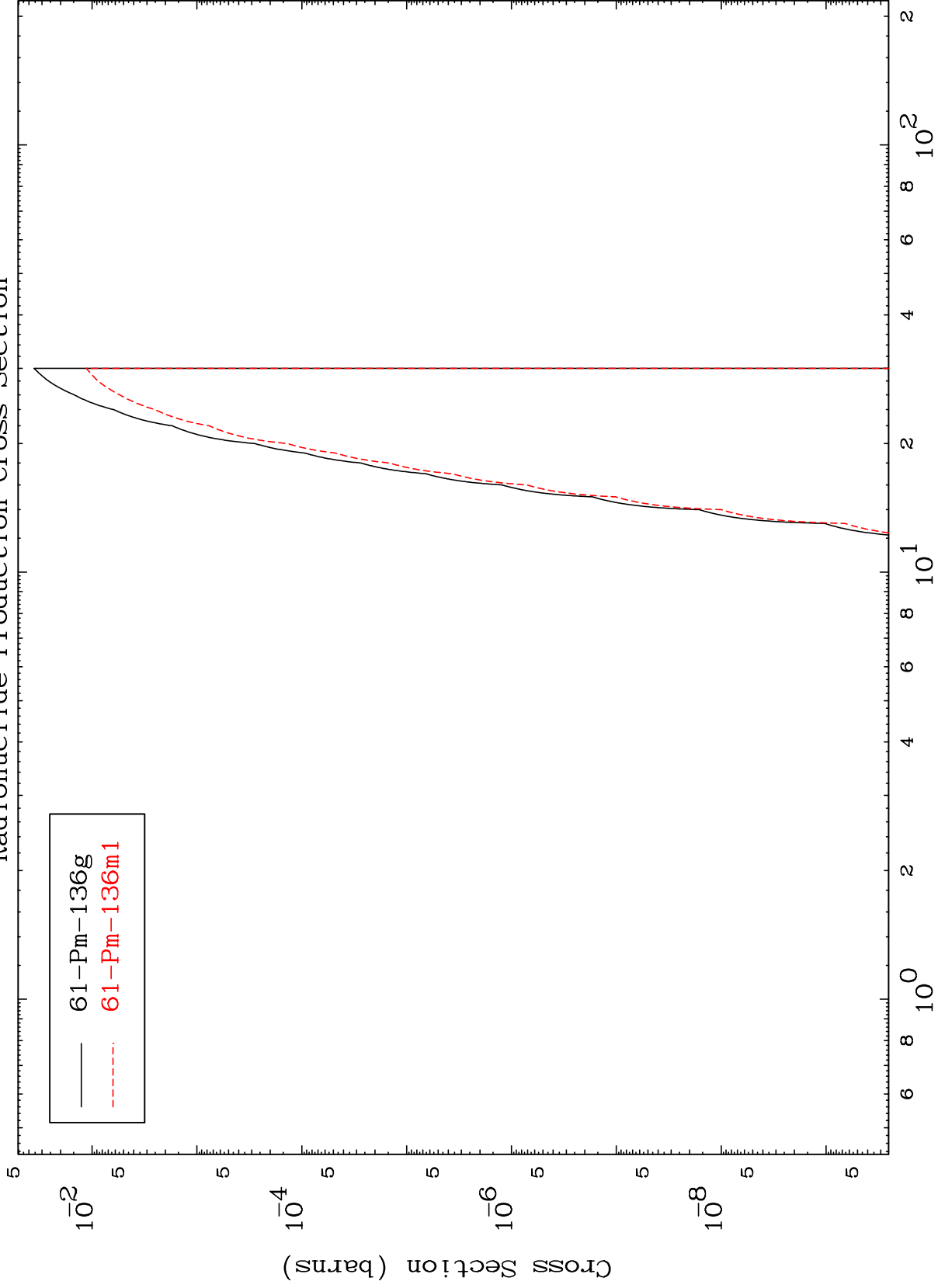
63-Eu-140

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(n,n') p α

63-Eu-140

Radionuclide Production Cross Section



17

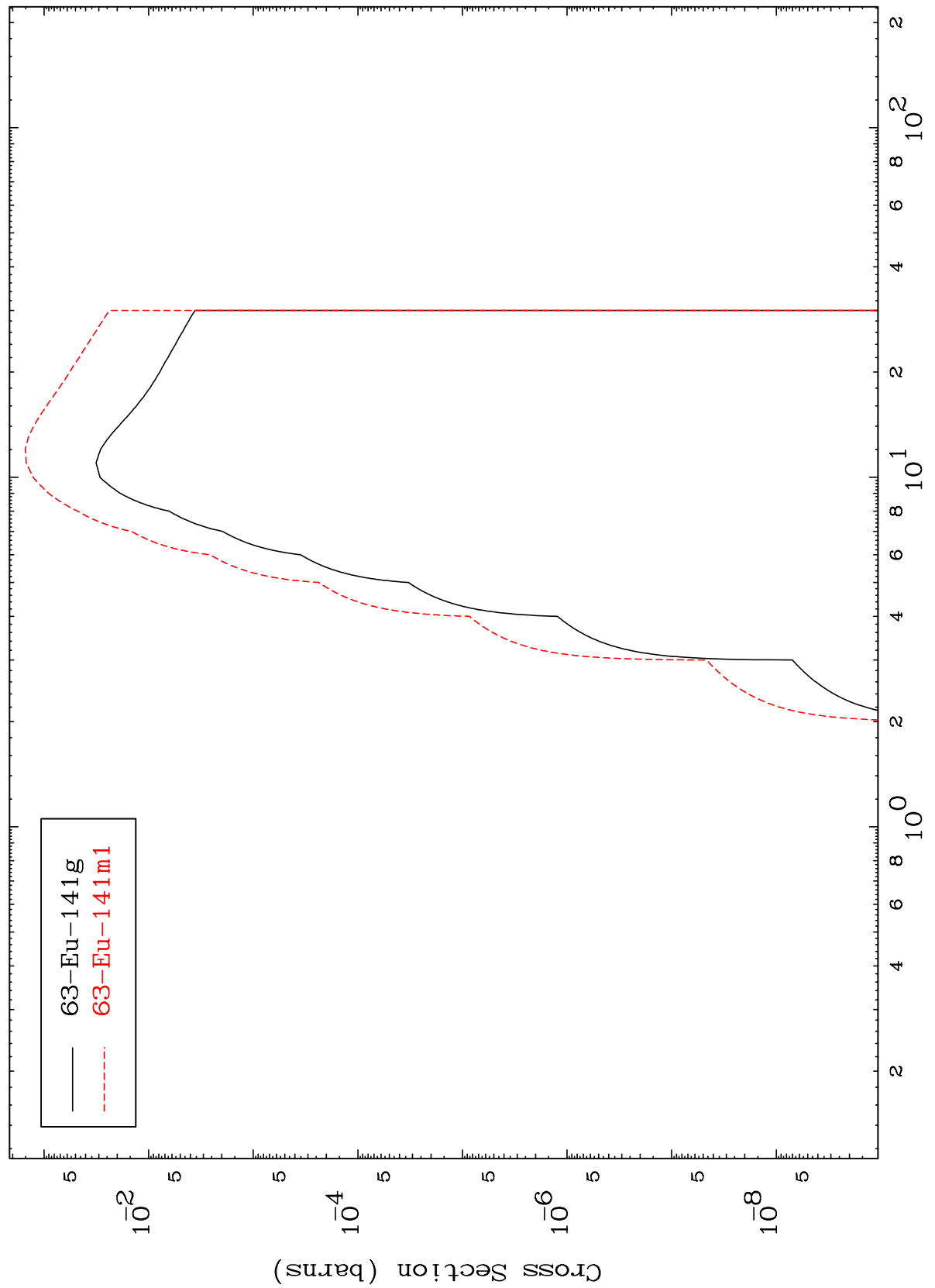
Incident Energy (MeV)

63-Eu-140

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63-Eu-140

(n,p)
Radionuclide Production Cross Section



63-Eu-141g
63-Eu-141m1

63-Eu-140

Incident Energy (MeV)

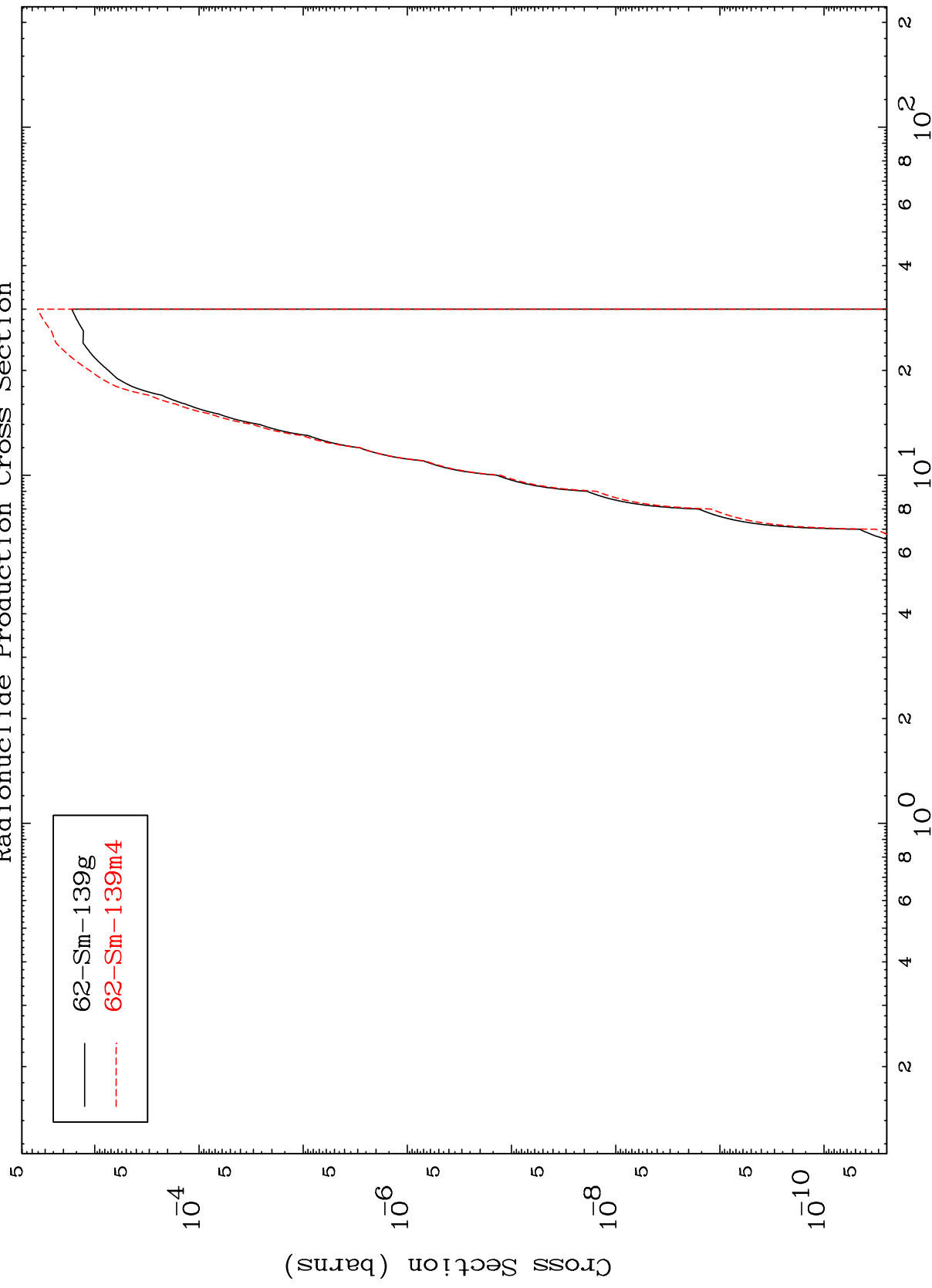
18

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(n,He-3)

63-Eu-140

Radionuclide Production Cross Section

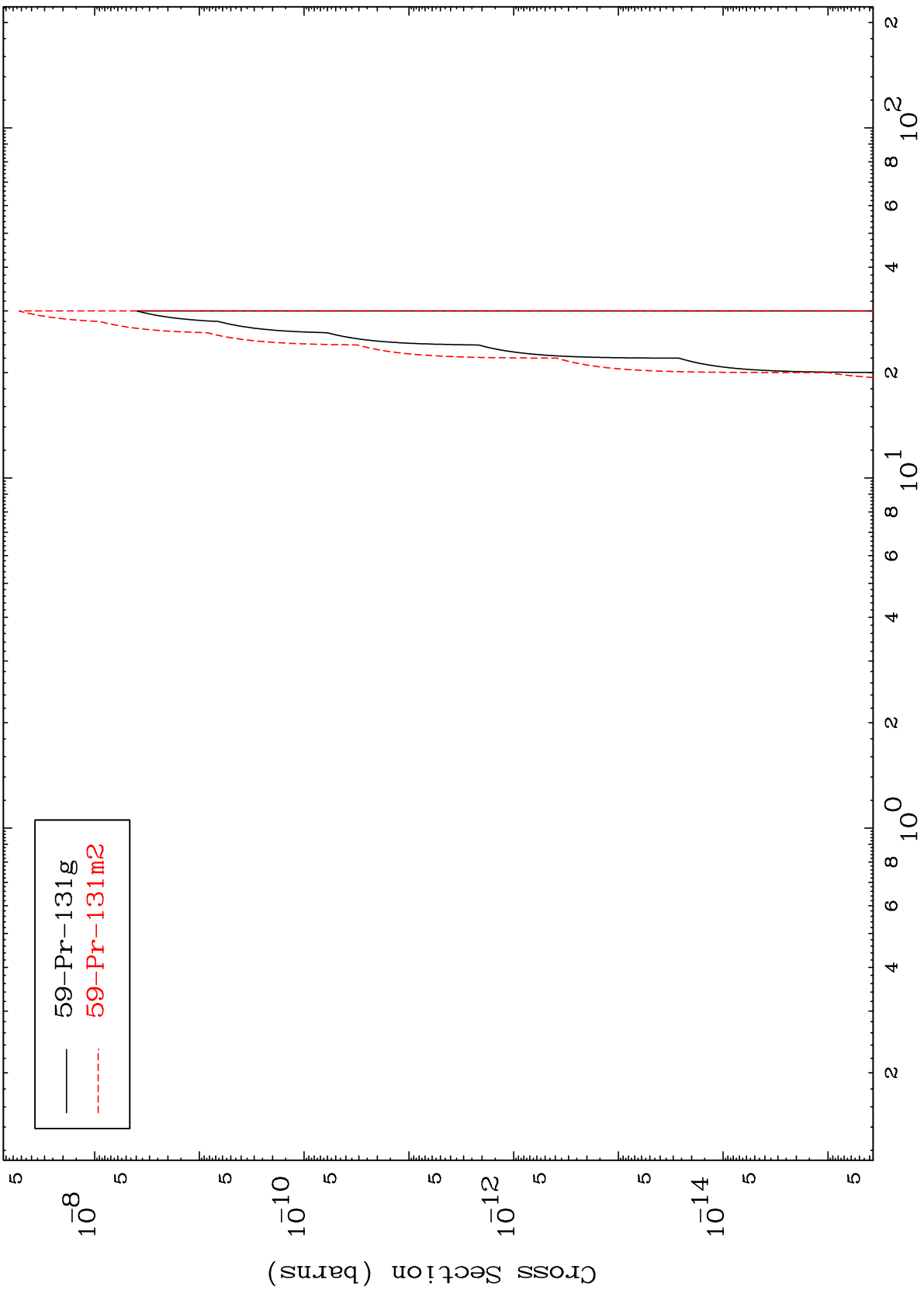


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$(n, t) 2\alpha$

$^{63}\text{Eu}-140$

Radionuclide Production Cross Section



— 59-Pr-131g
- - - 59-Pr-131m2

20

Incident Energy (MeV)

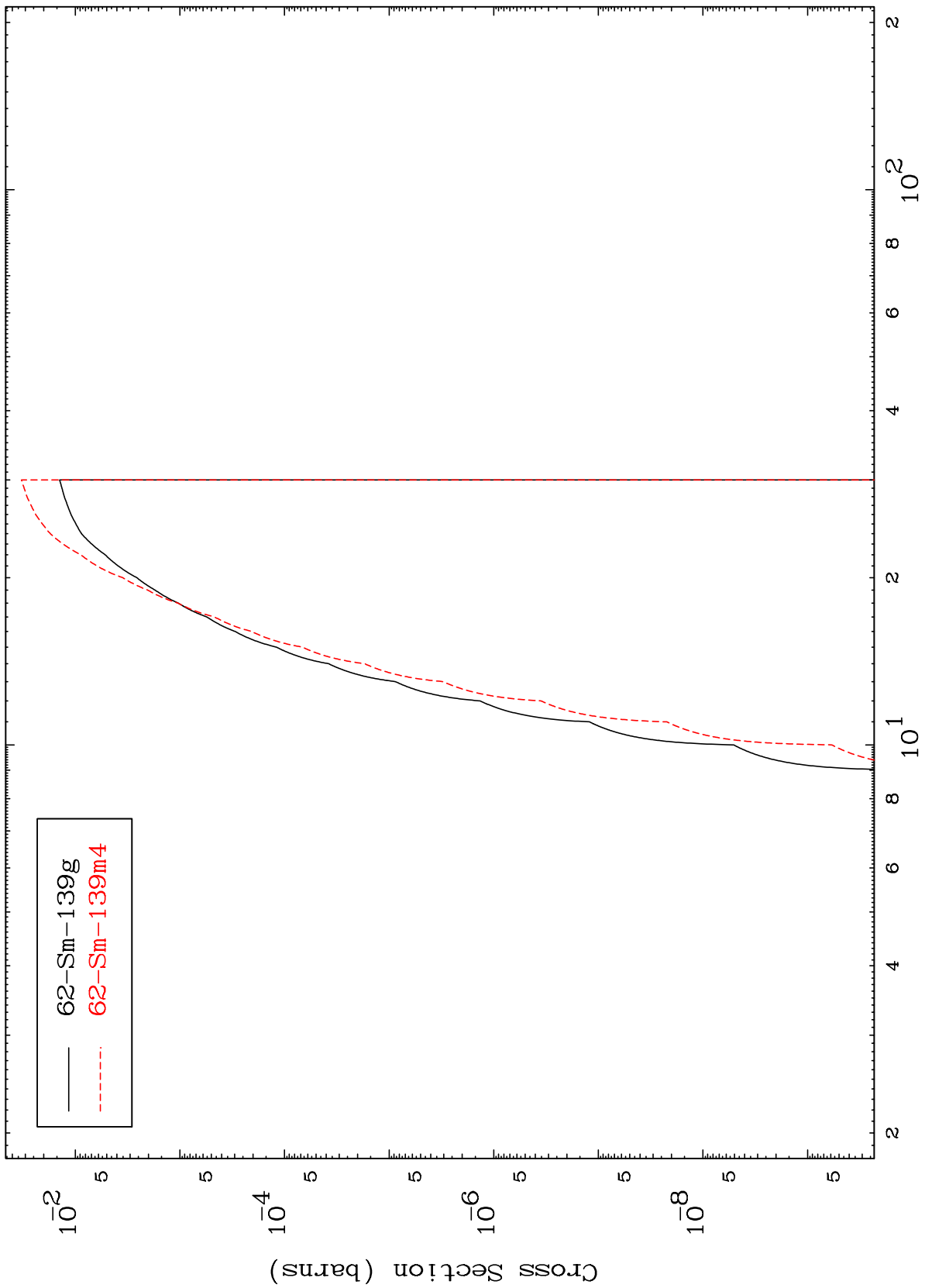
$^{63}\text{Eu}-140$

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(n,p) d

63-Eu-140

Radionuclide Production Cross Section



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(n,d) α

63-Eu-140

