

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

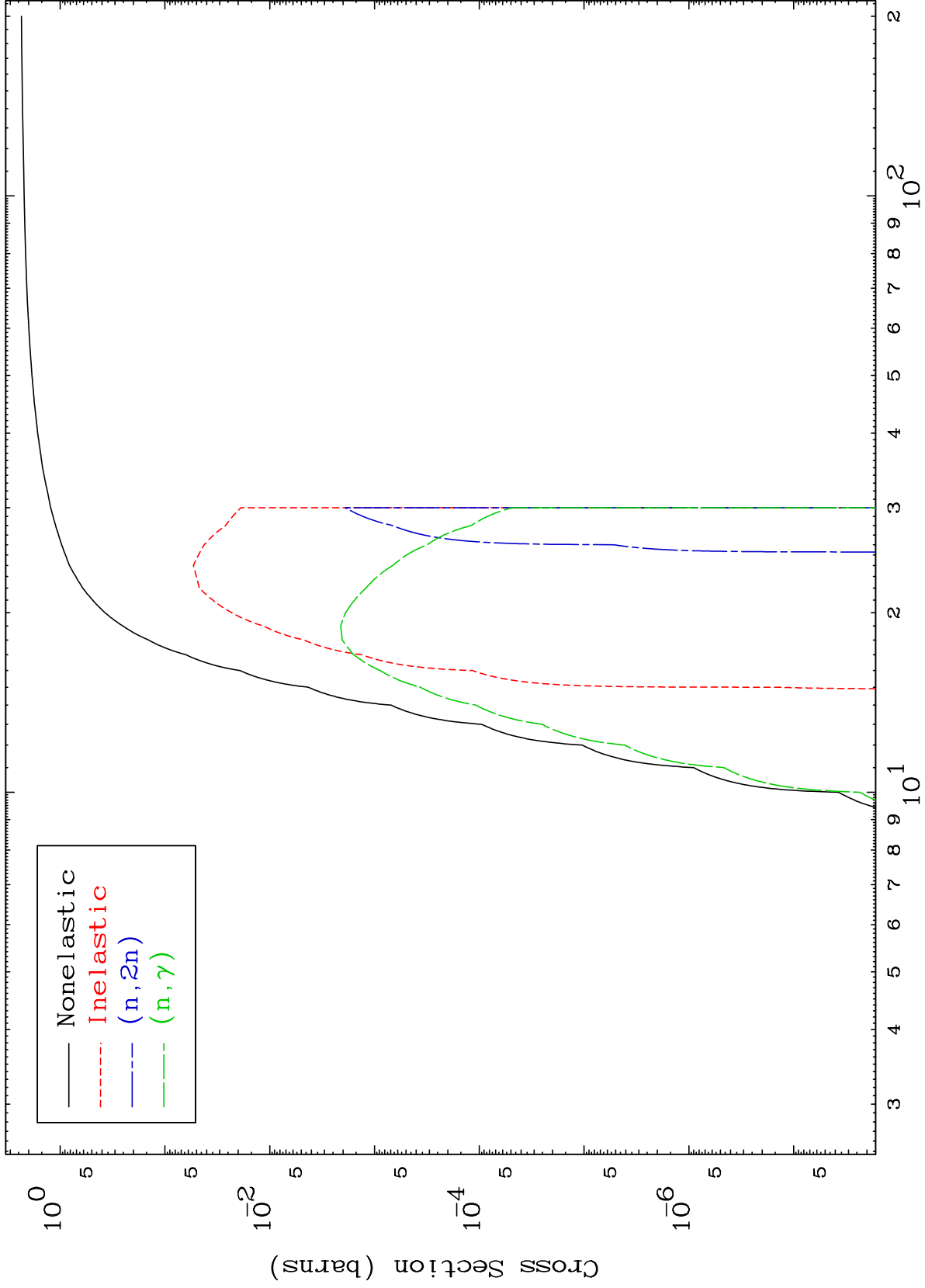
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

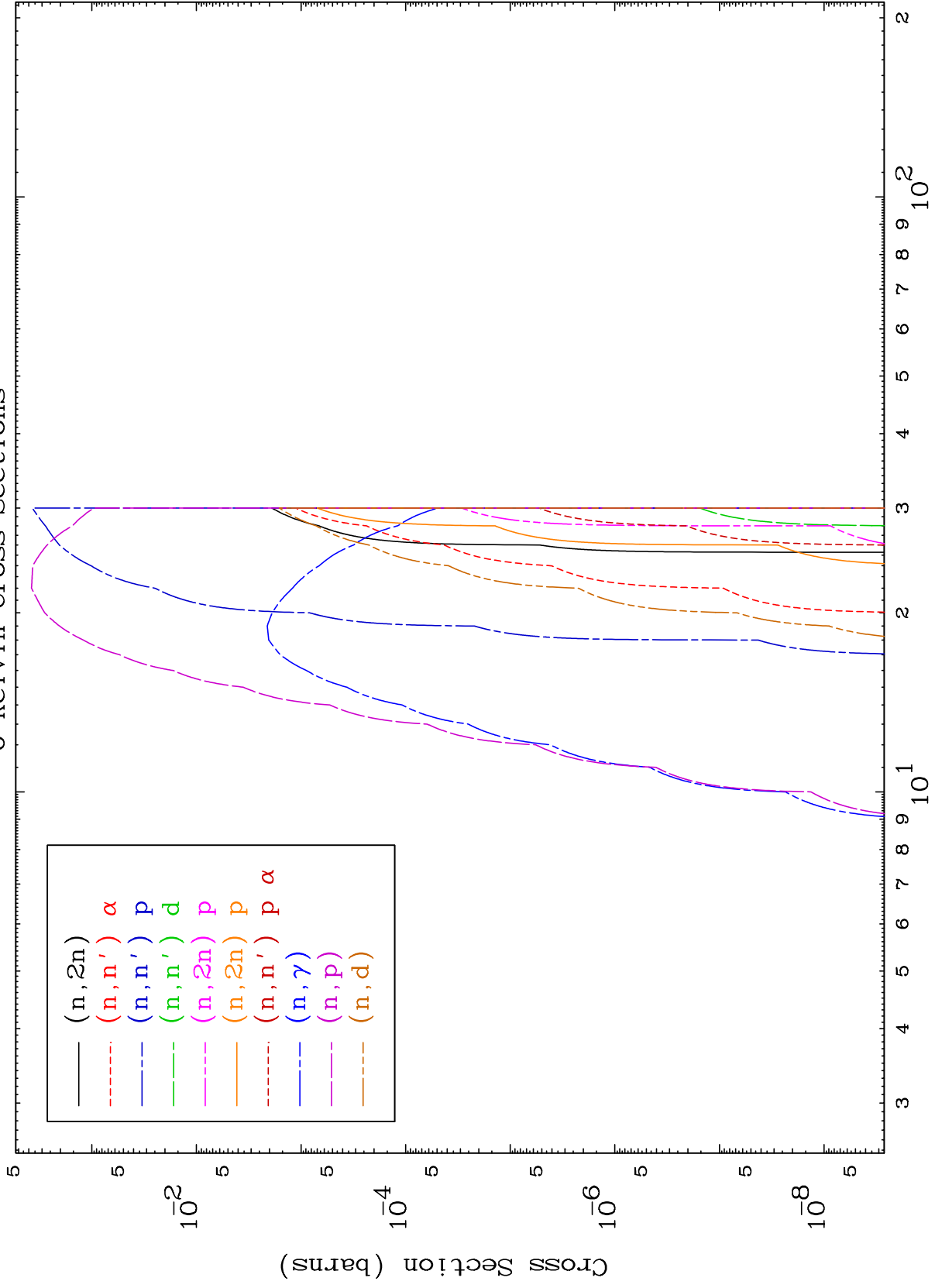
Tele: 925-443-1911

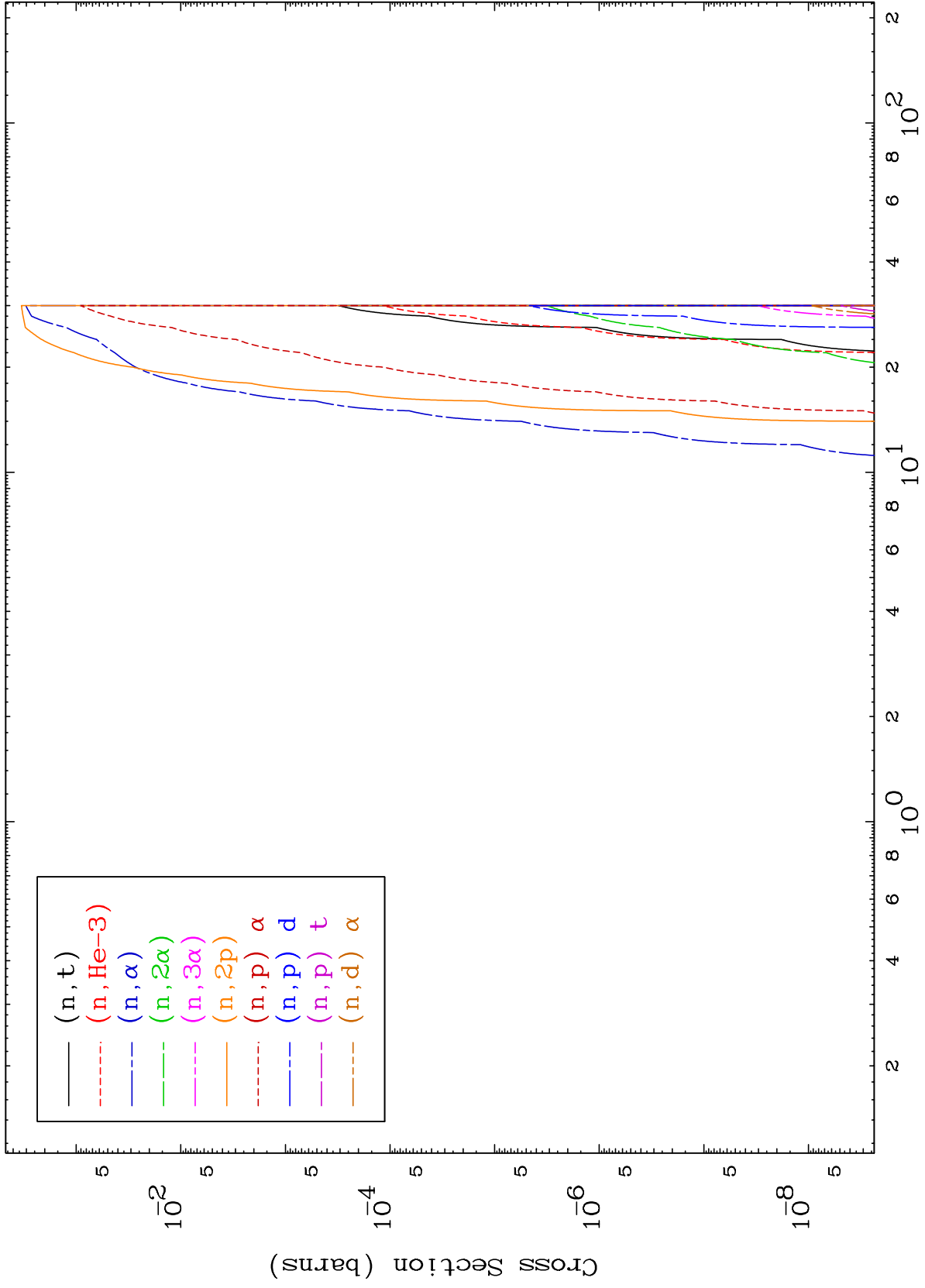
E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



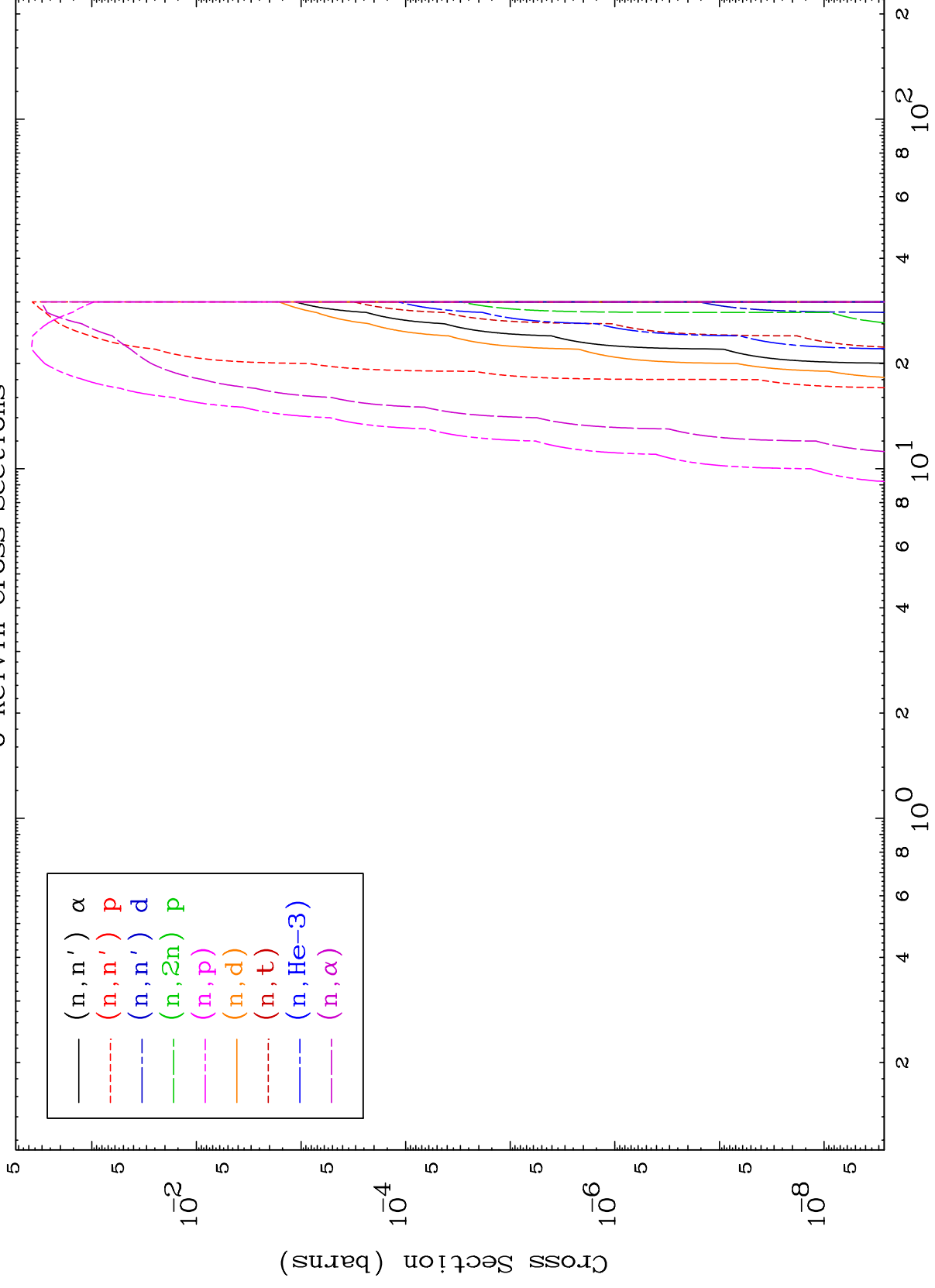


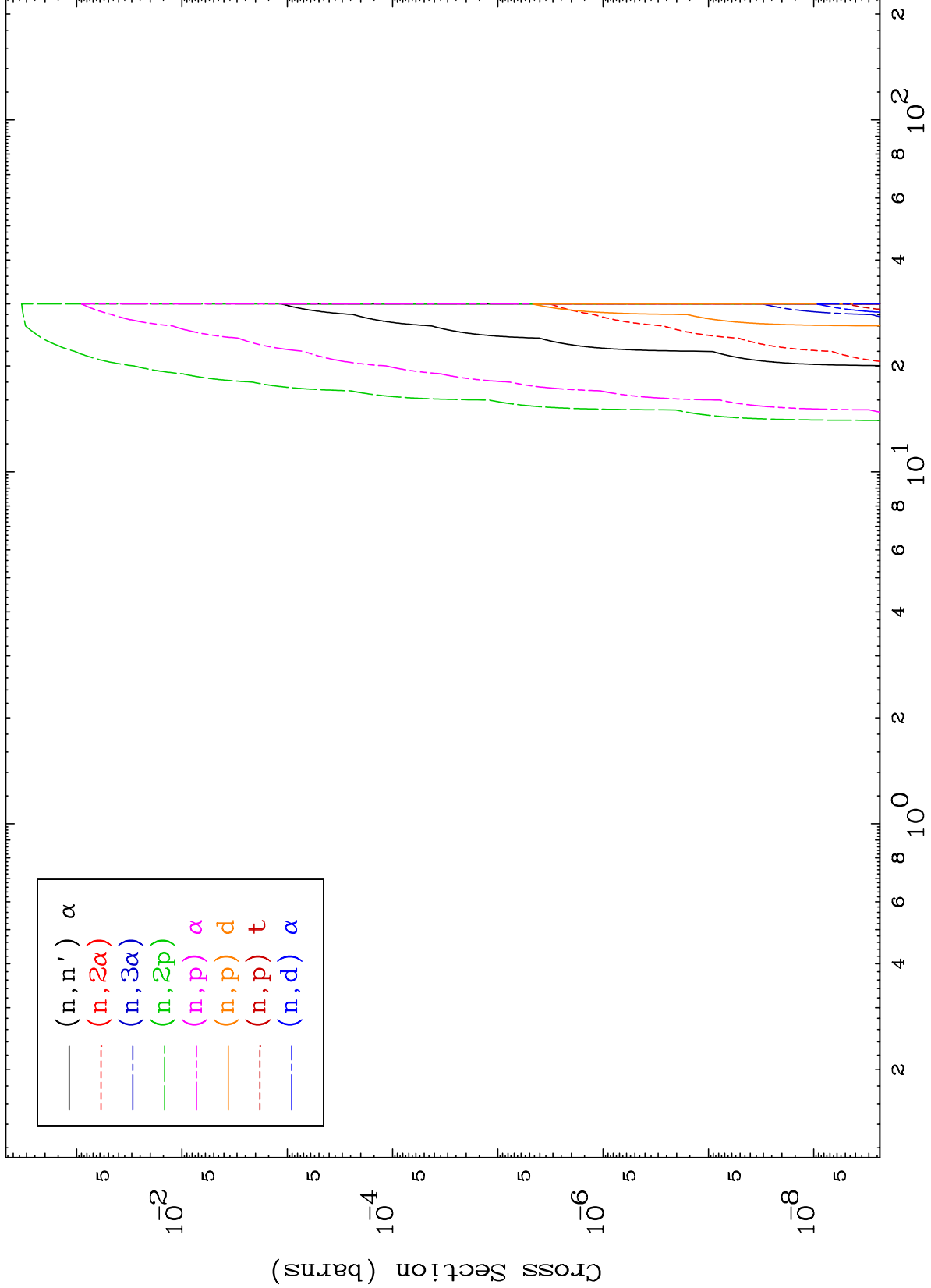


MAT 6289

α Charged Particle
0 Kelvin Cross Sections

63-Eu-139

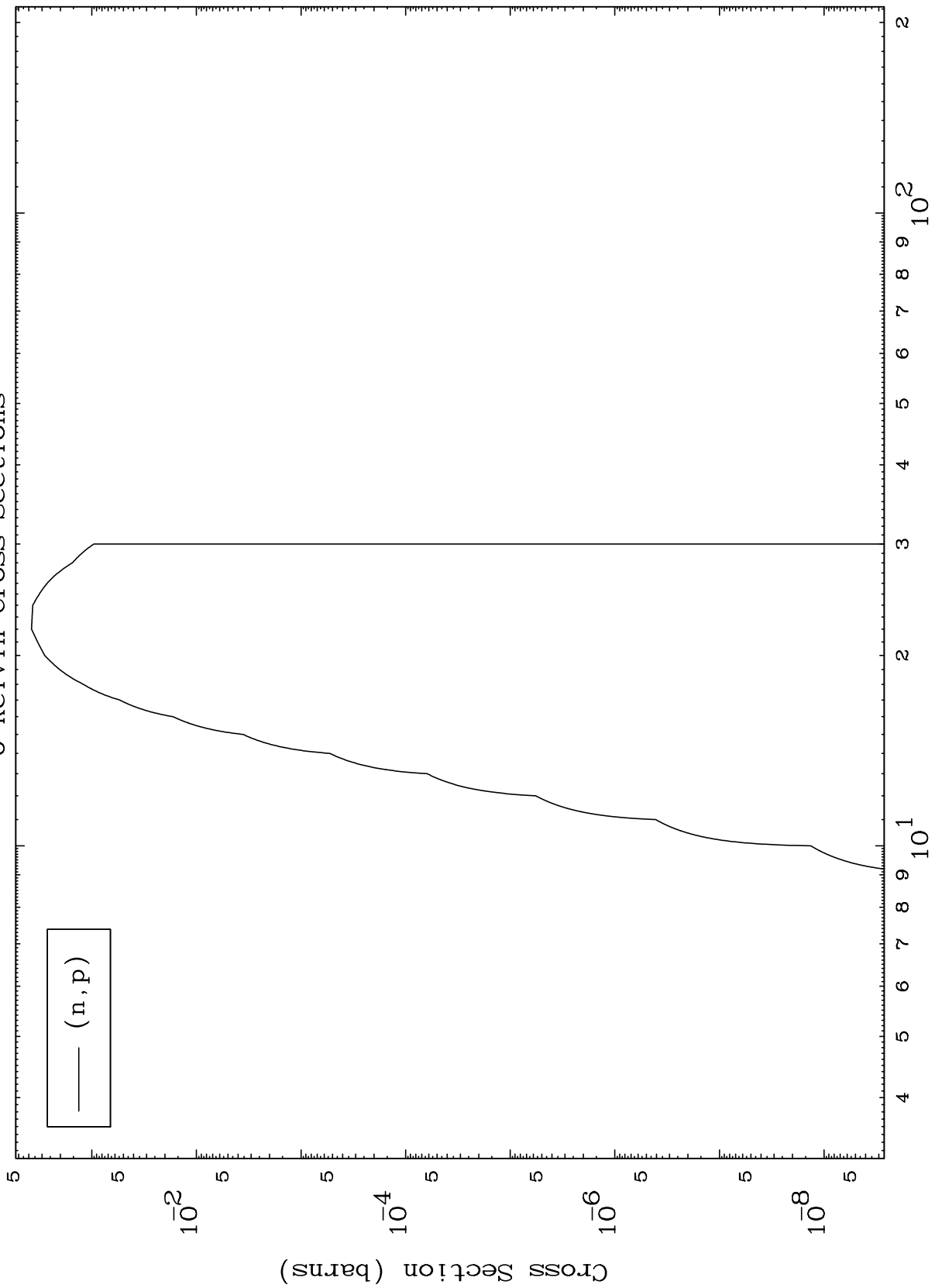




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63-Eu-139

(α, p) Levels
0 Kelvin Cross Sections



63-Eu-139

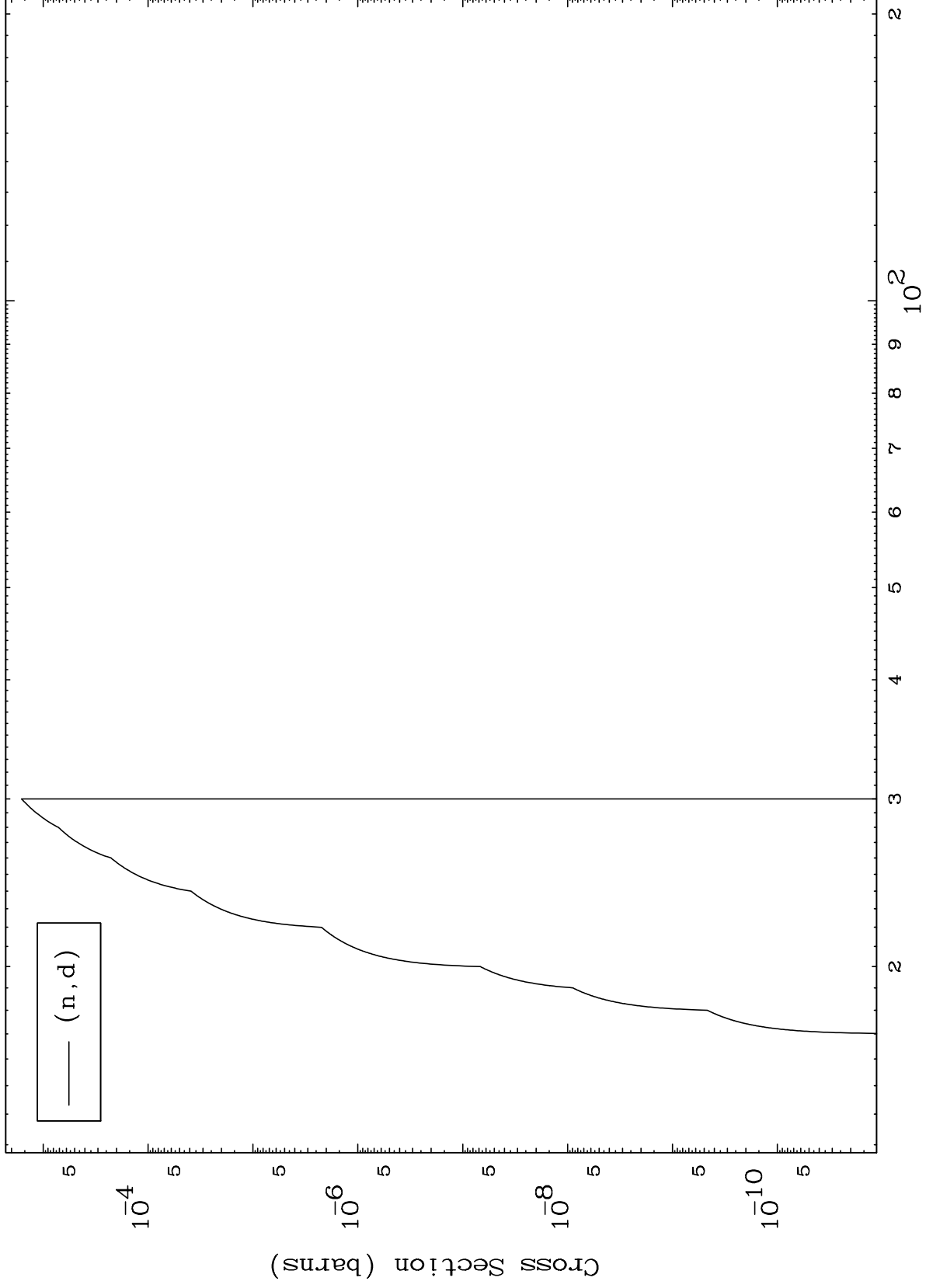
Incident Energy (MeV)

6

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(α, d) Levels
0 Kelvin Cross Sections

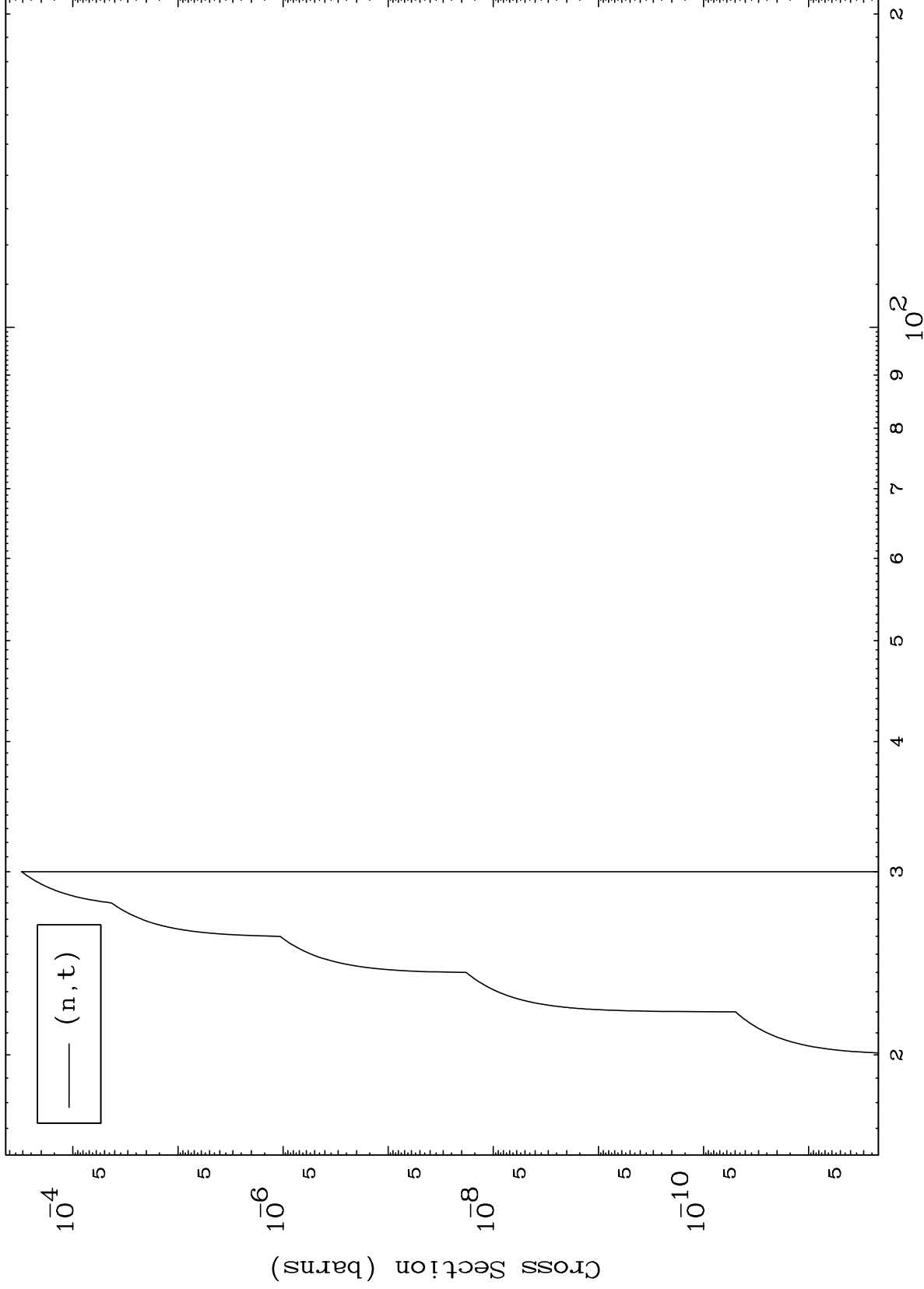
63-Eu-139



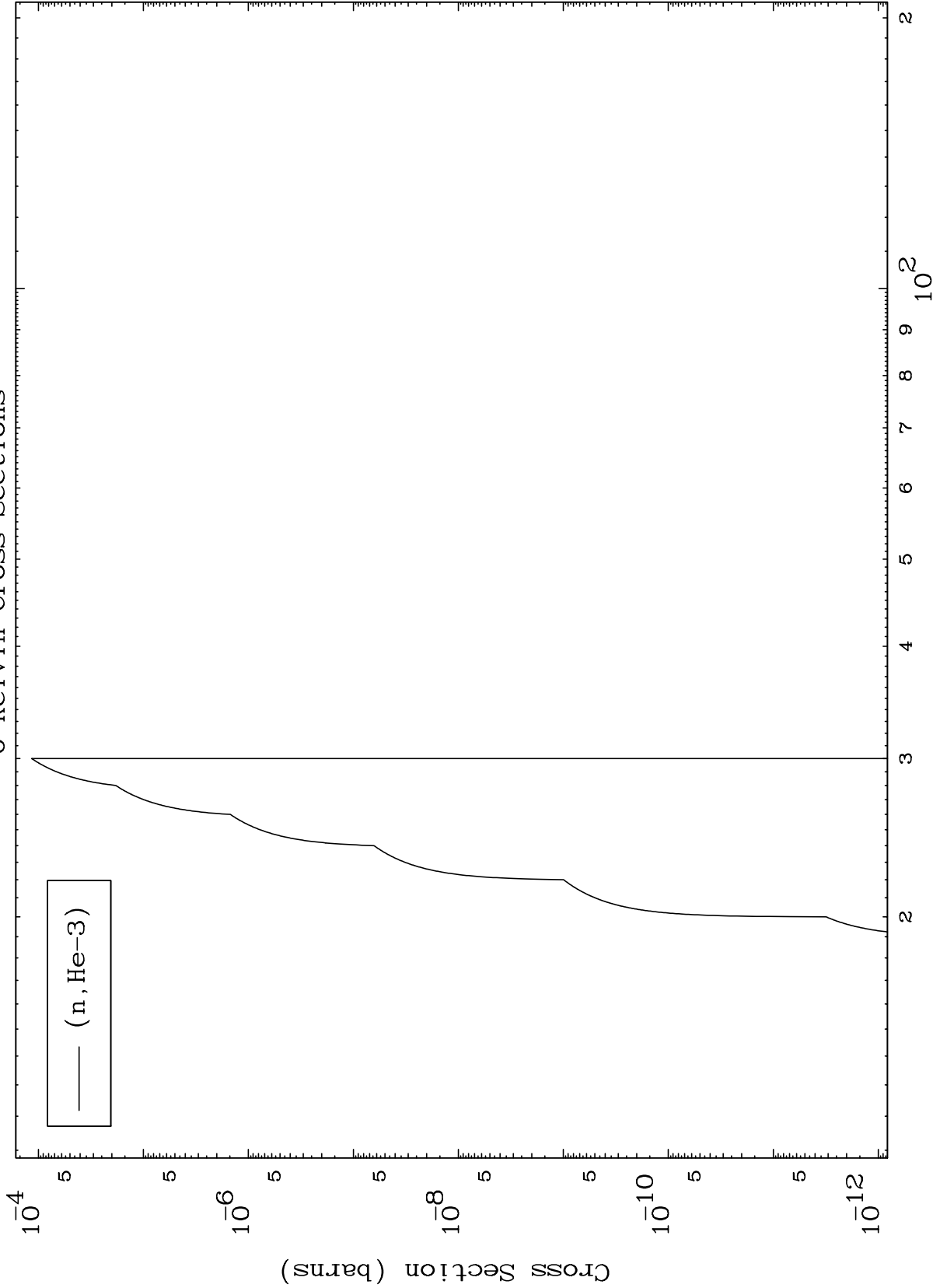
7

Incident Energy (MeV)

63-Eu-139



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



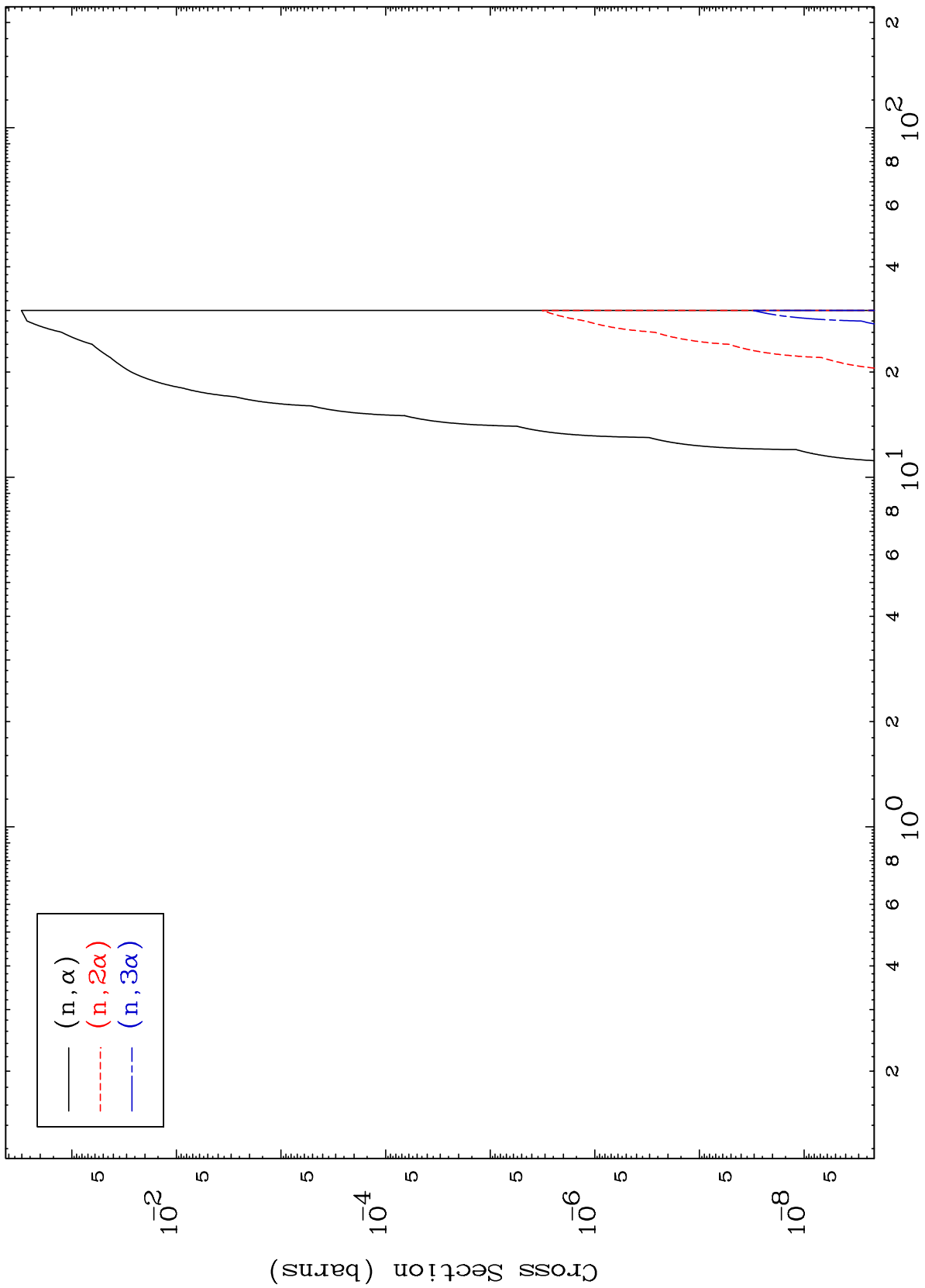
Incident Energy (MeV)

MAT 6289

(α, α) Levels

63-Eu-139

0 Kelvin Cross Sections

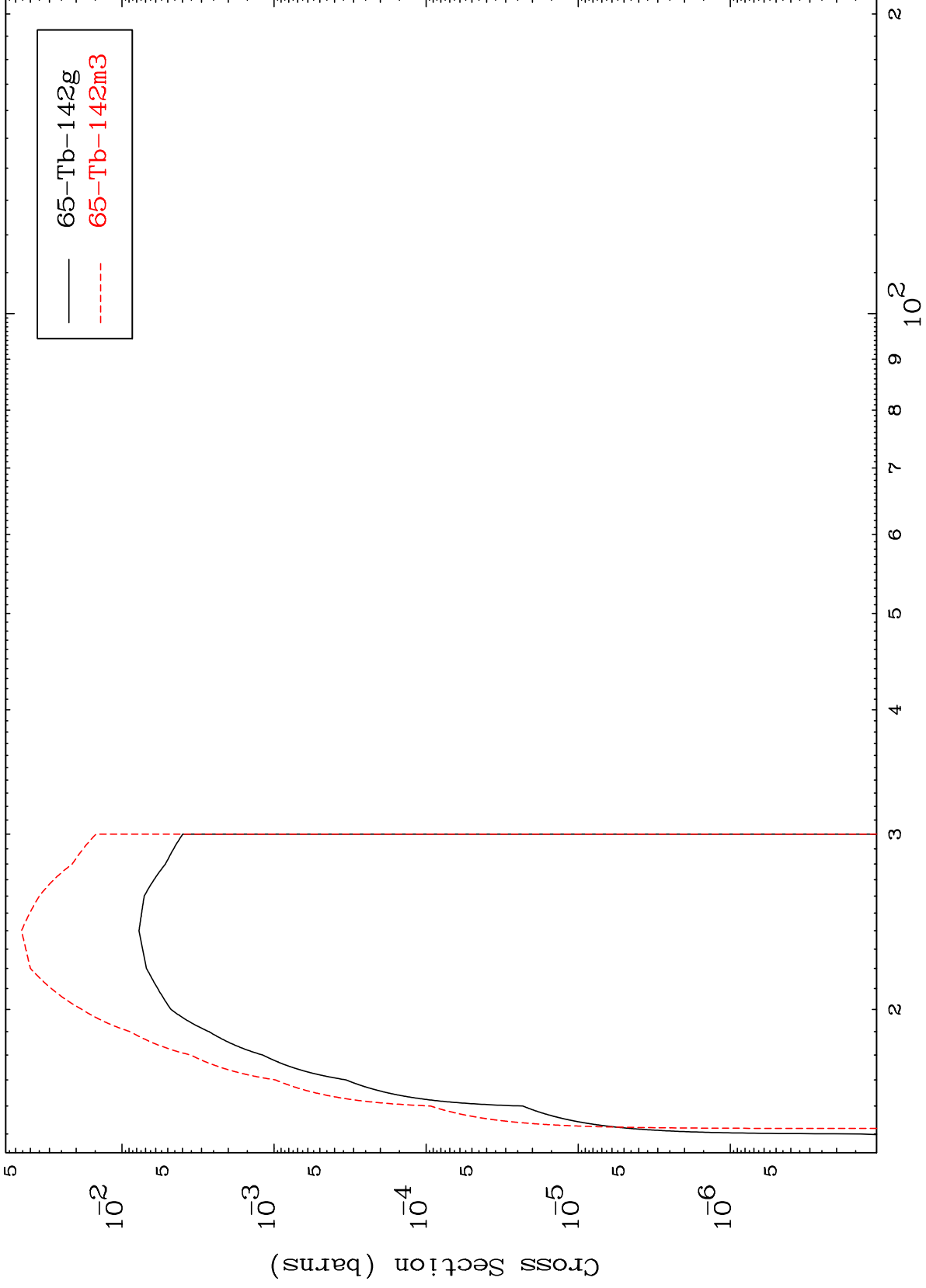


10

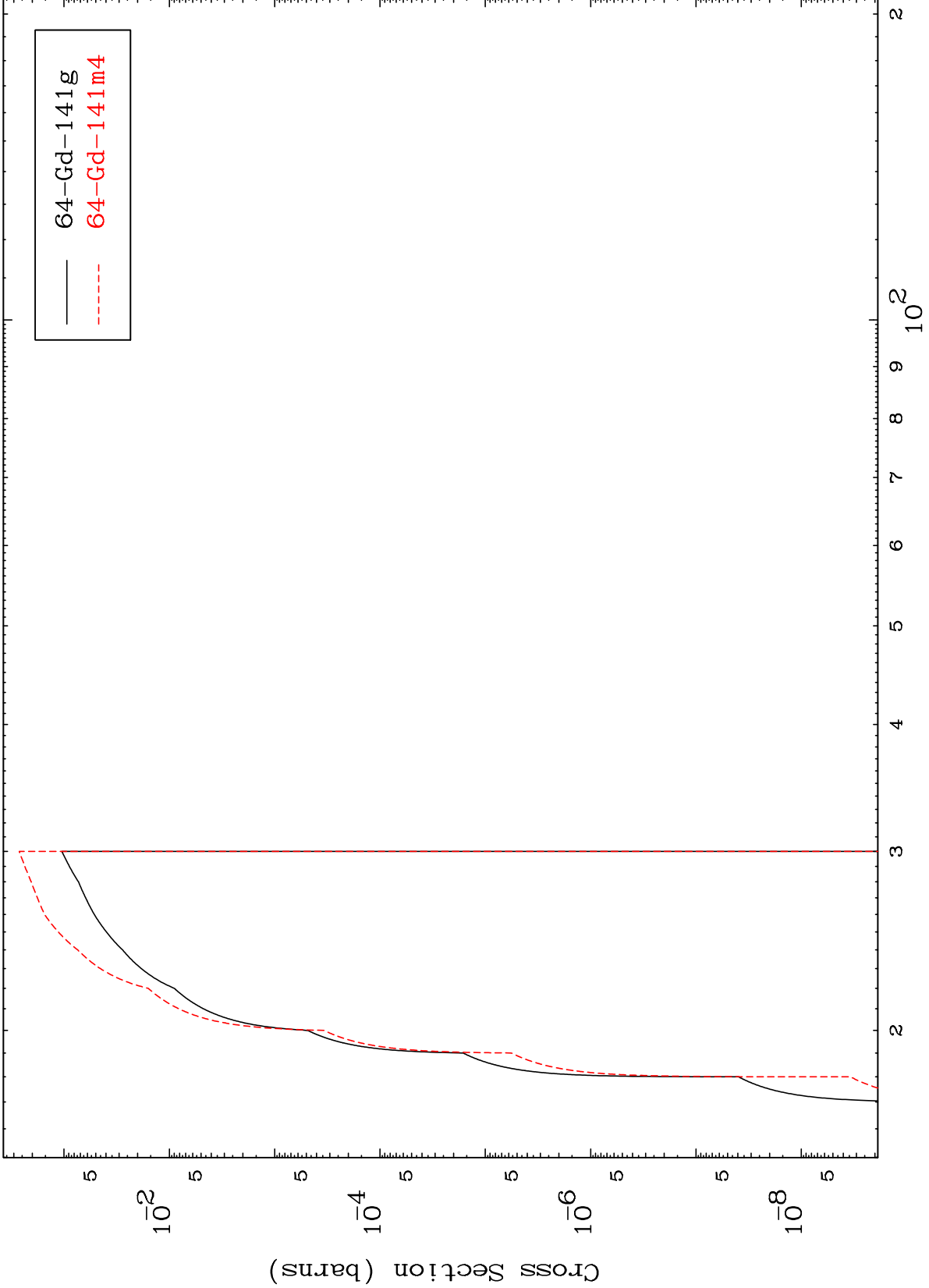
Incident Energy (MeV)

63-Eu-139

Inelastic
Radionuclide Production Cross Section



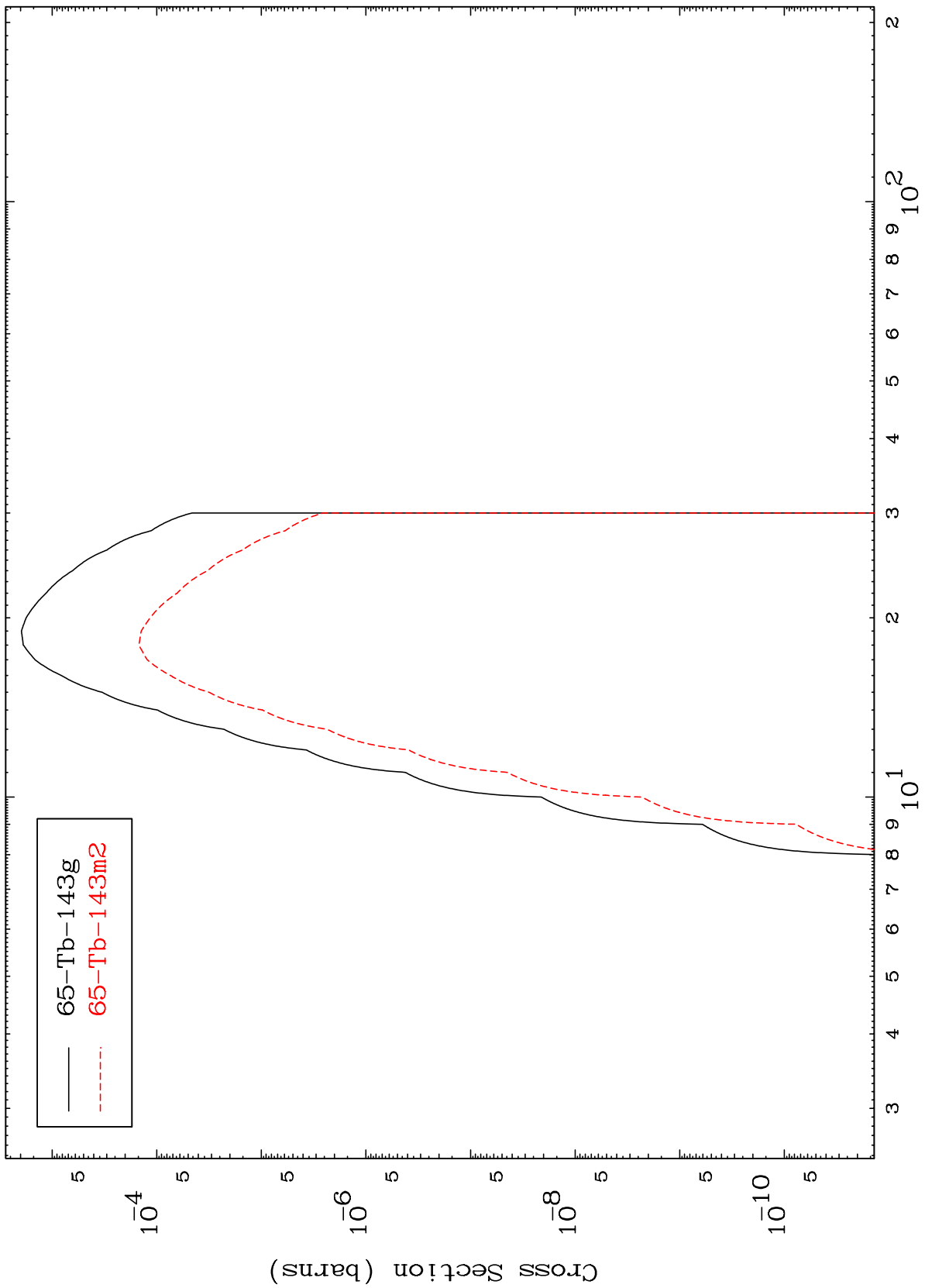
Radionuclide Production Cross Section



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63-Eu-139

(n,γ)
Radionuclide Production Cross Section



13

Incident Energy (MeV)

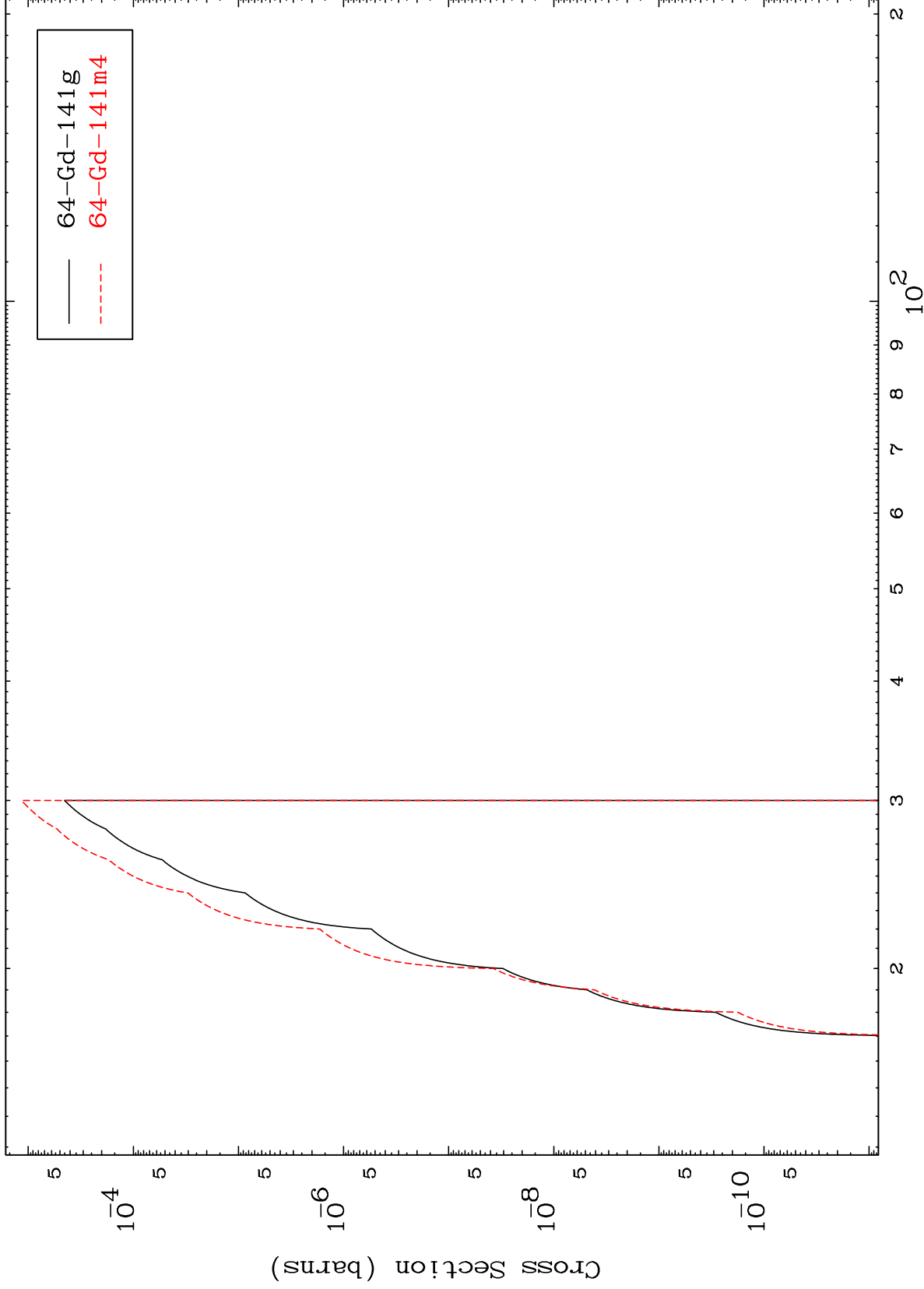
63-Eu-139

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(n,d)

63-Eu-139

Radionuclide Production Cross Section



14

Incident Energy (MeV)

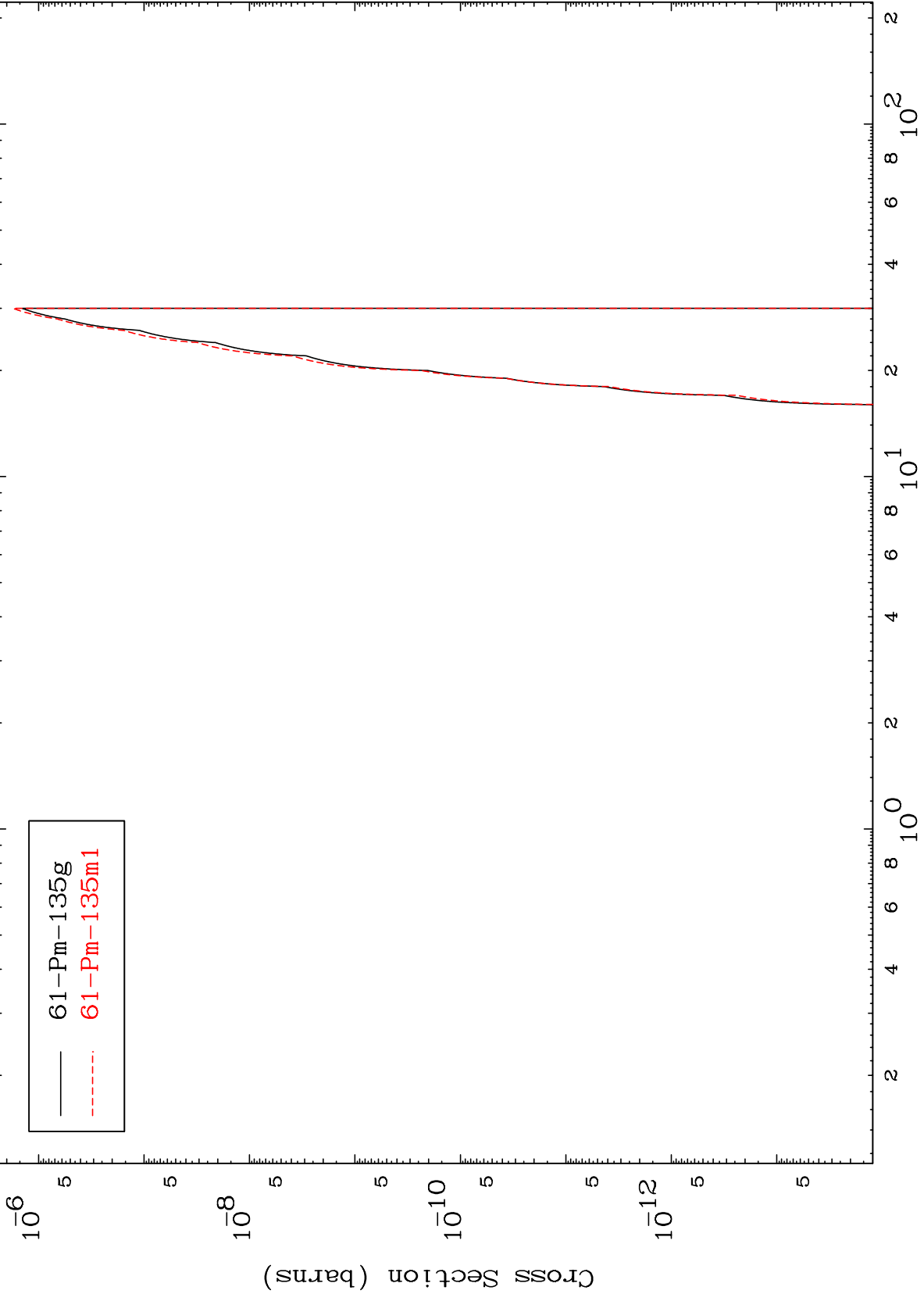
63-Eu-139

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(n,2α)

63-Eu-139

Radionuclide Production Cross Section

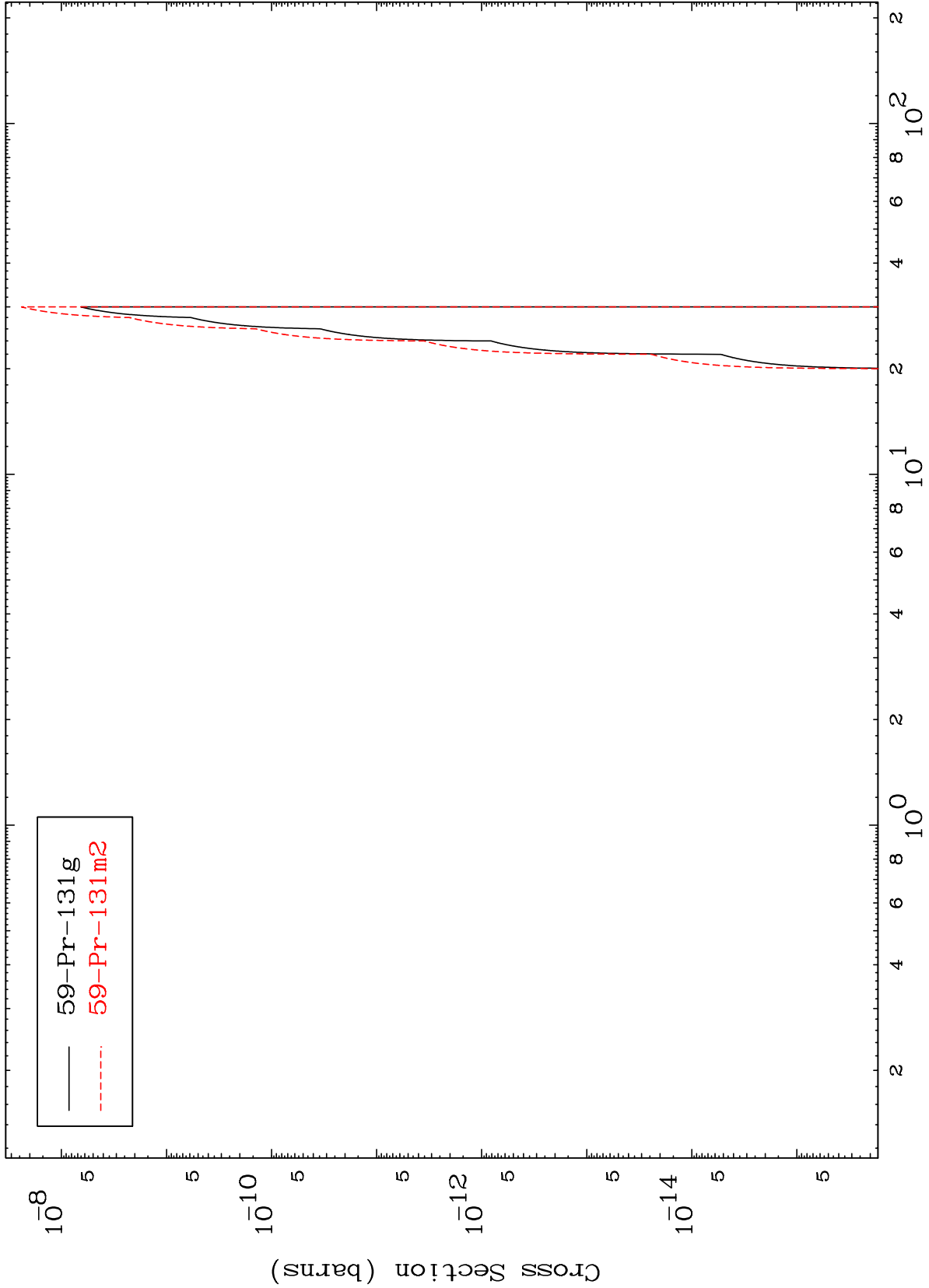


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(n, 3α)

63-Eu-139

Radionuclide Production Cross Section

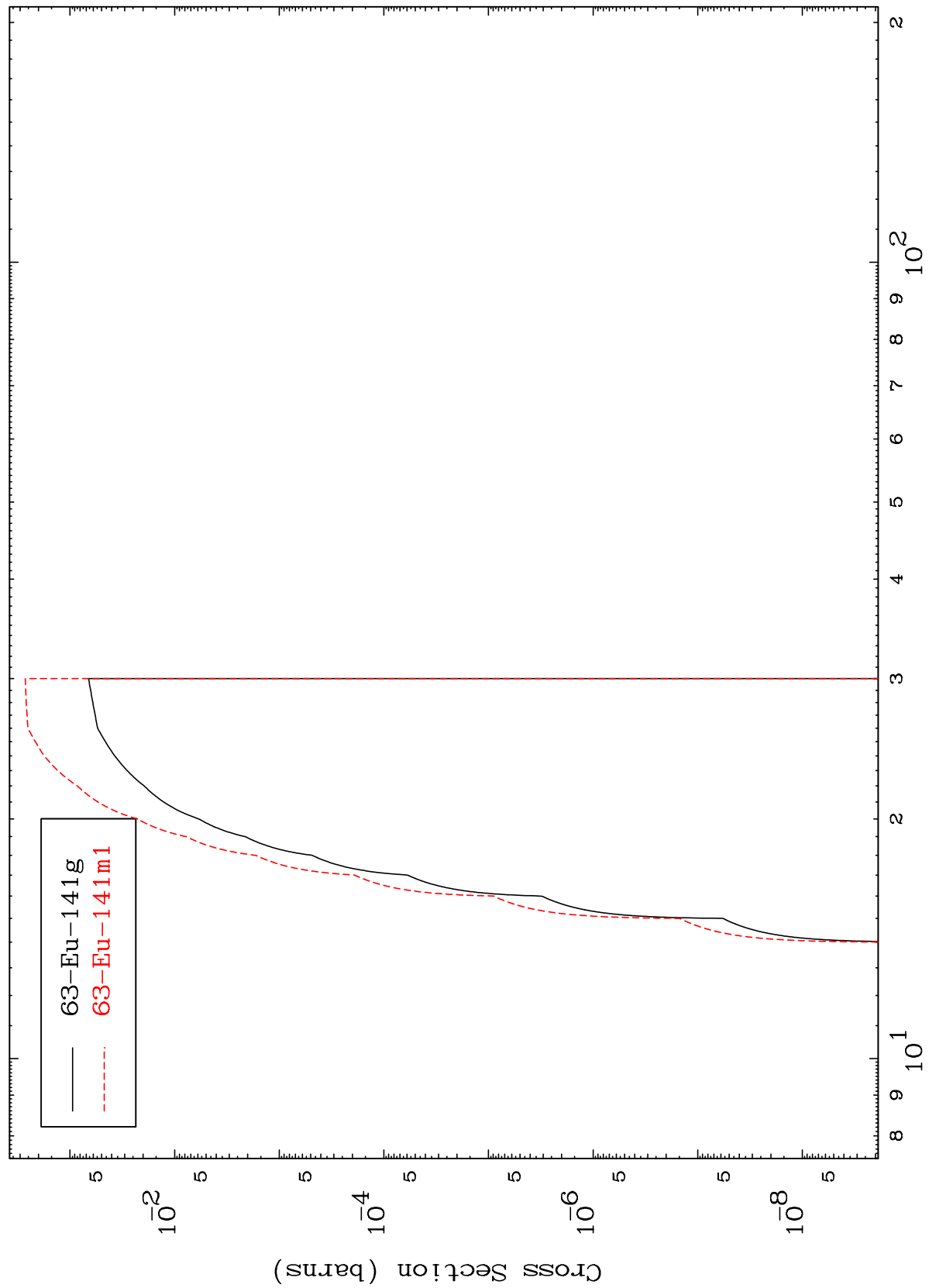


59-Pr-131g
59-Pr-131m2

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63-Eu-139

(n,2p)
Radionuclide Production Cross Section



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

63-Eu-139

Incident Energy (MeV)

17