

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

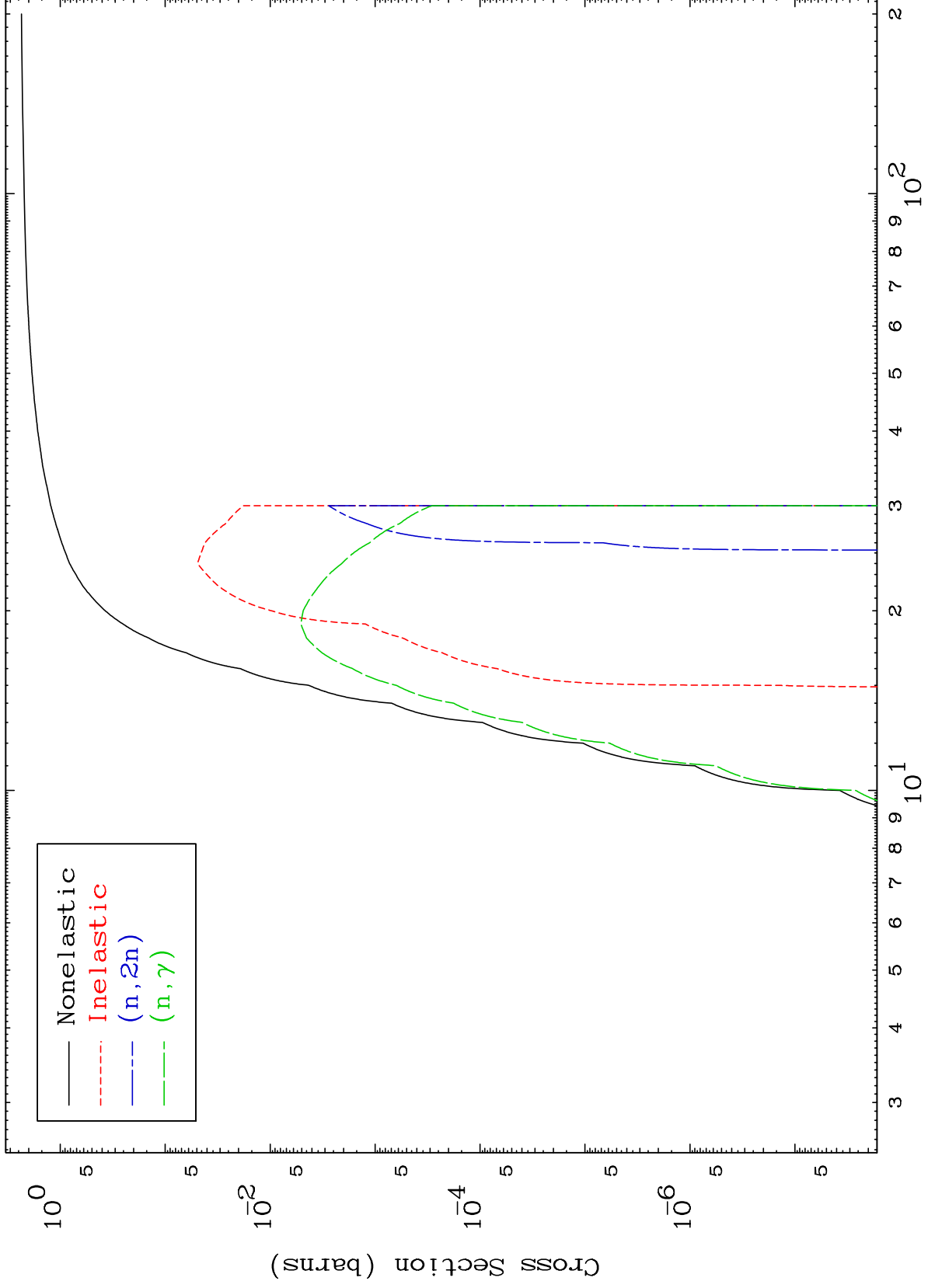
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

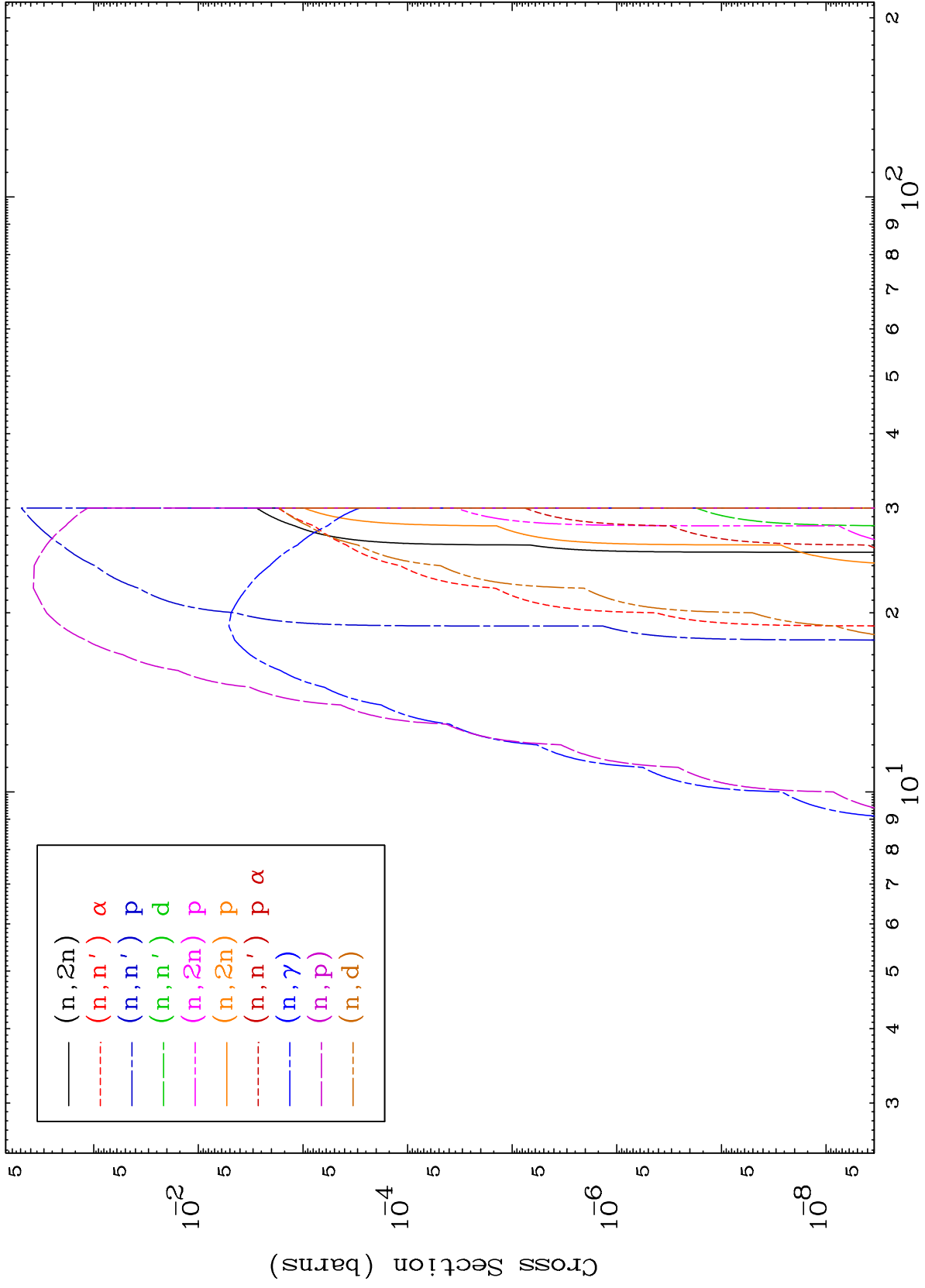
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

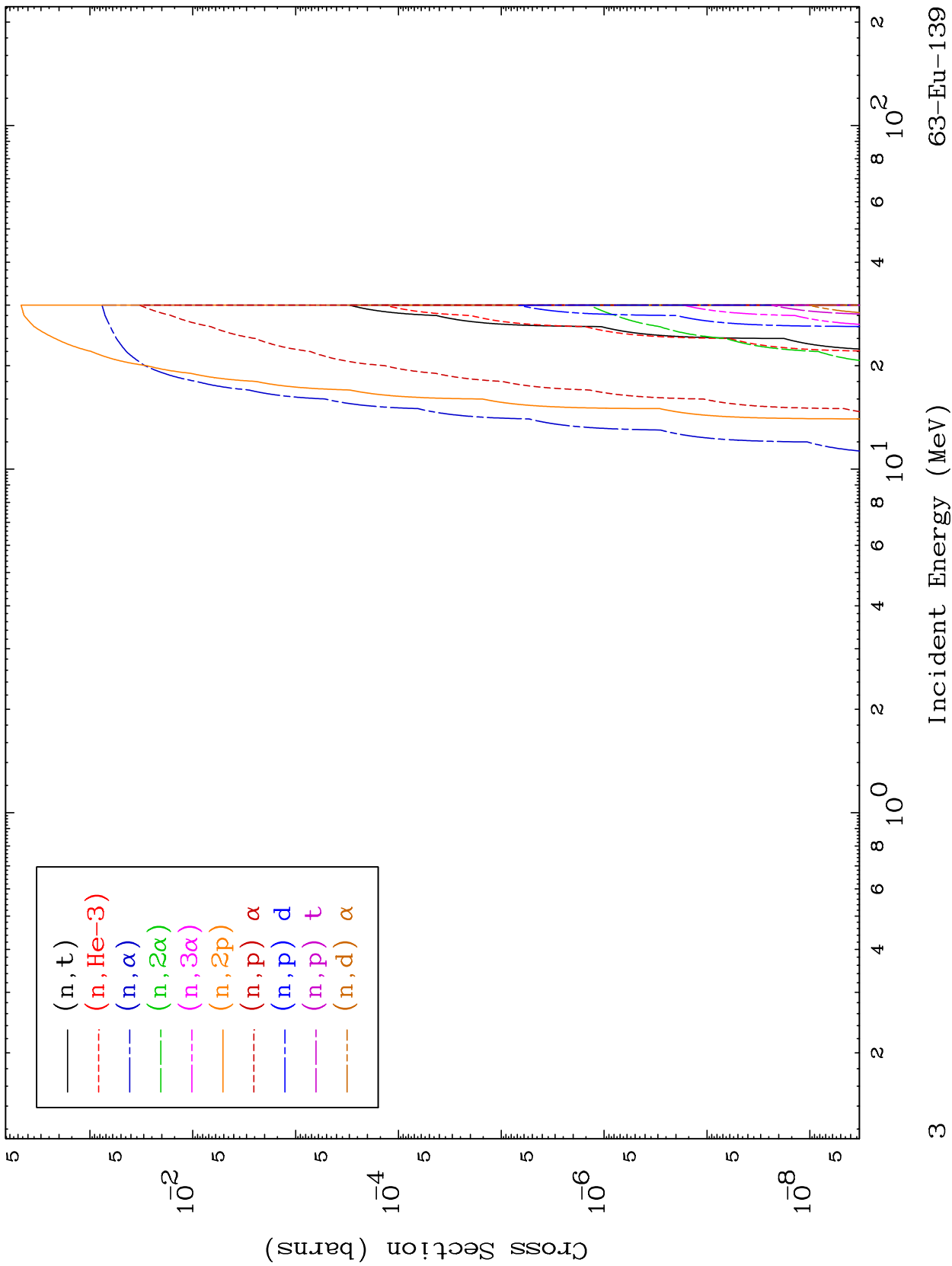


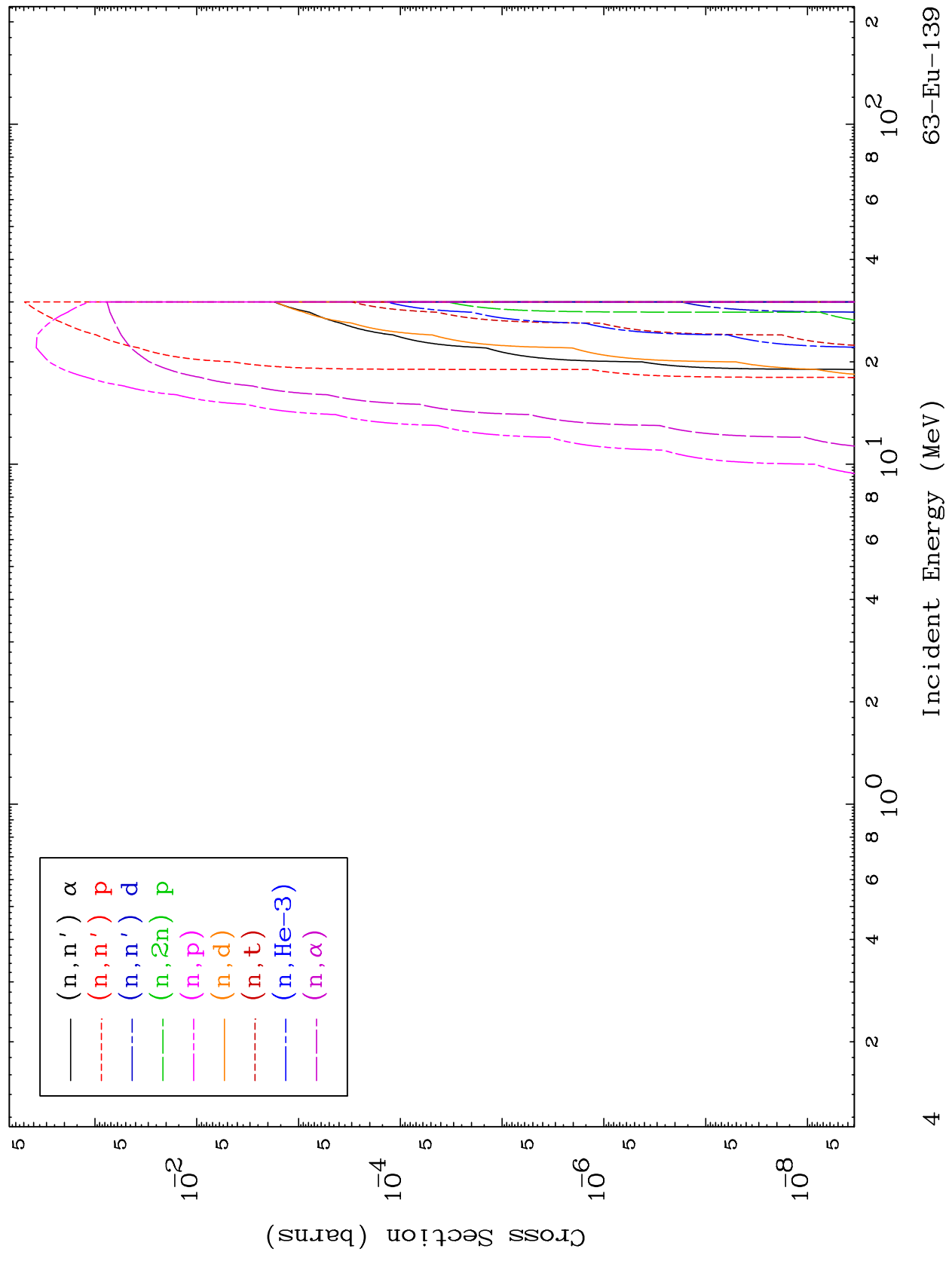


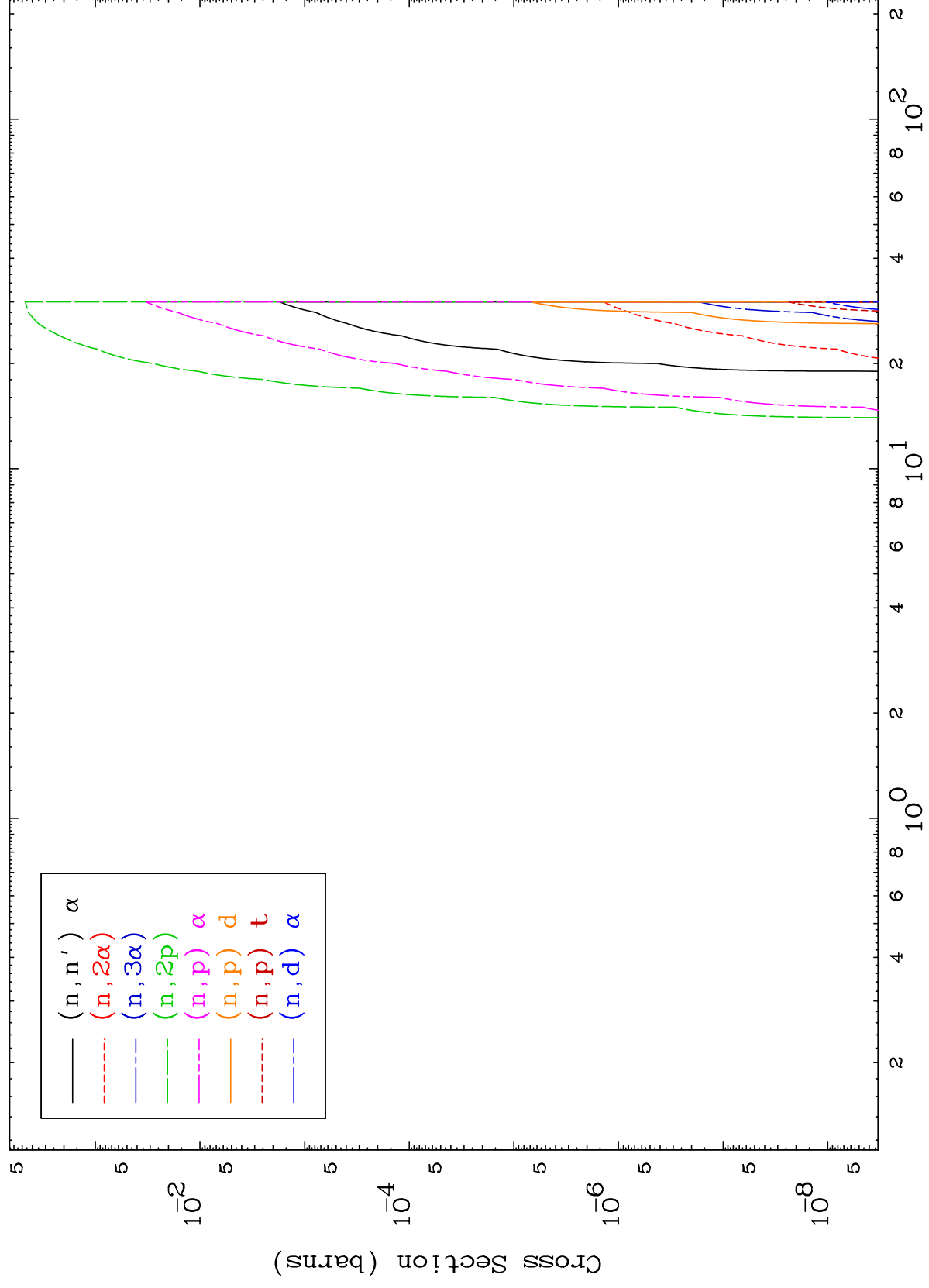
MAT 6289

α Neutron Absorption
0 Kelvin Cross Sections

63-Eu-139



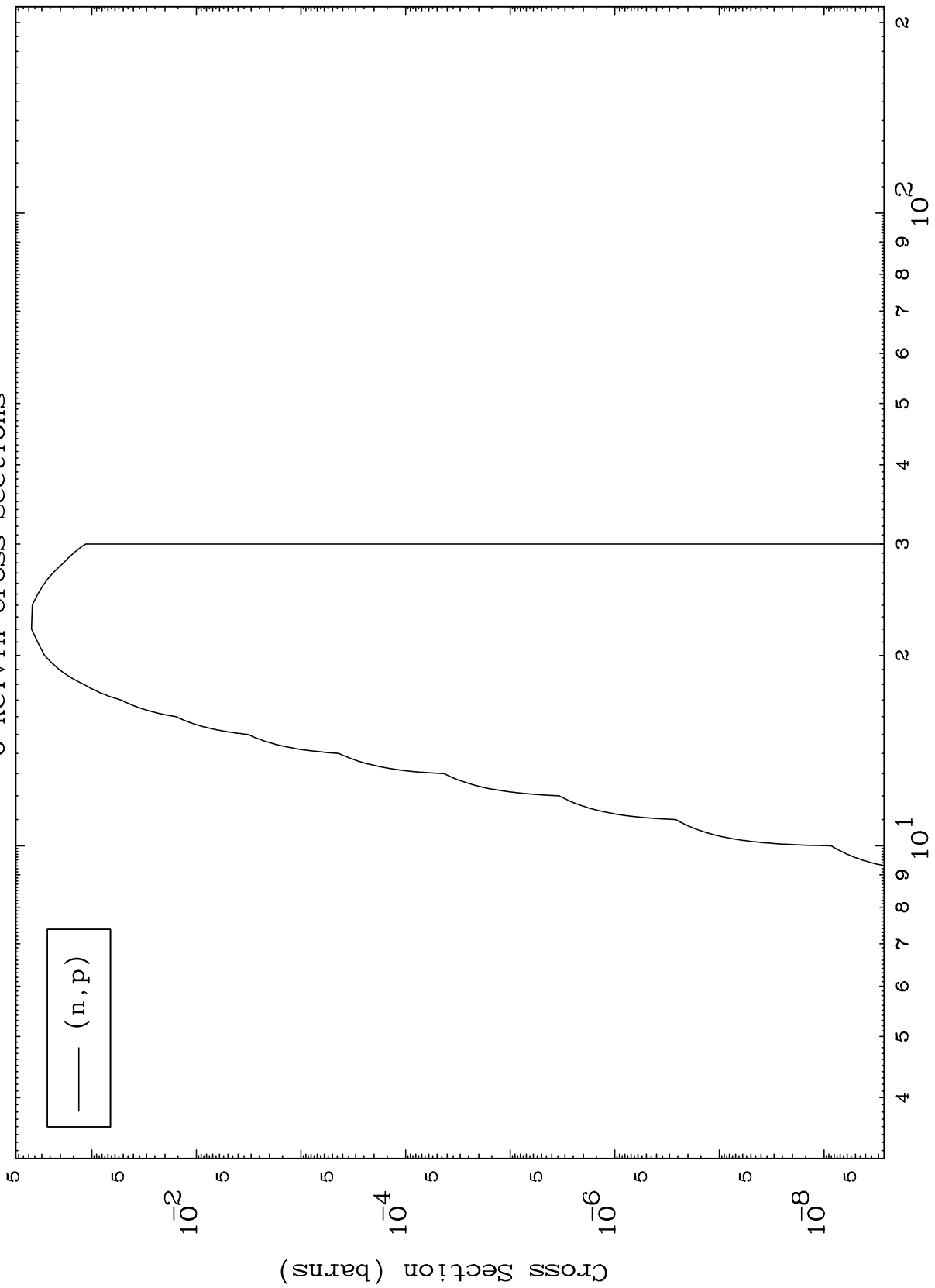




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63-Eu-139

(α, p) Levels
0 Kelvin Cross Sections



(n, p)

63-Eu-139

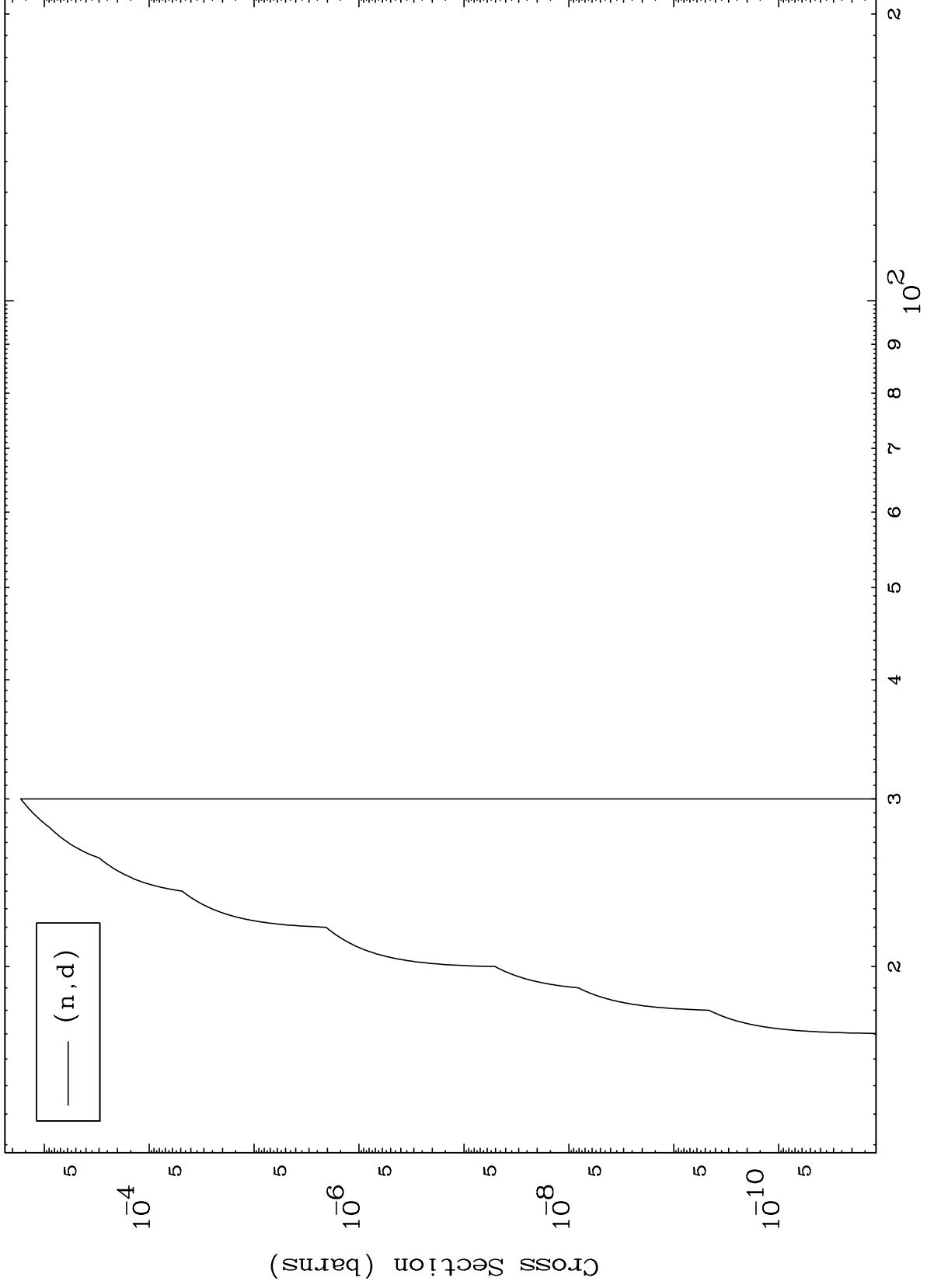
Incident Energy (MeV)

6

MAT 6289

(α, d) Levels
0 Kelvin Cross Sections

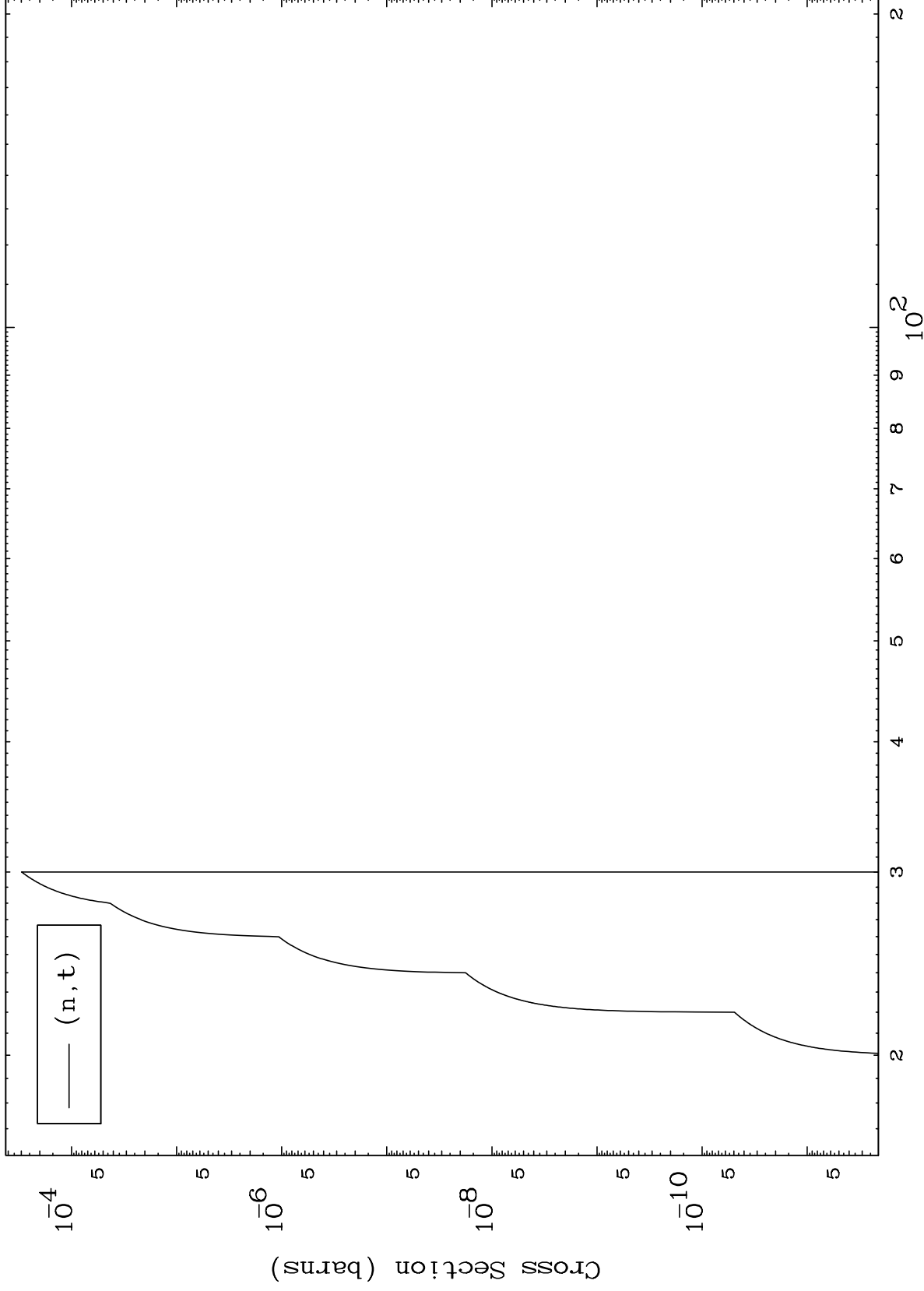
63-Eu-139

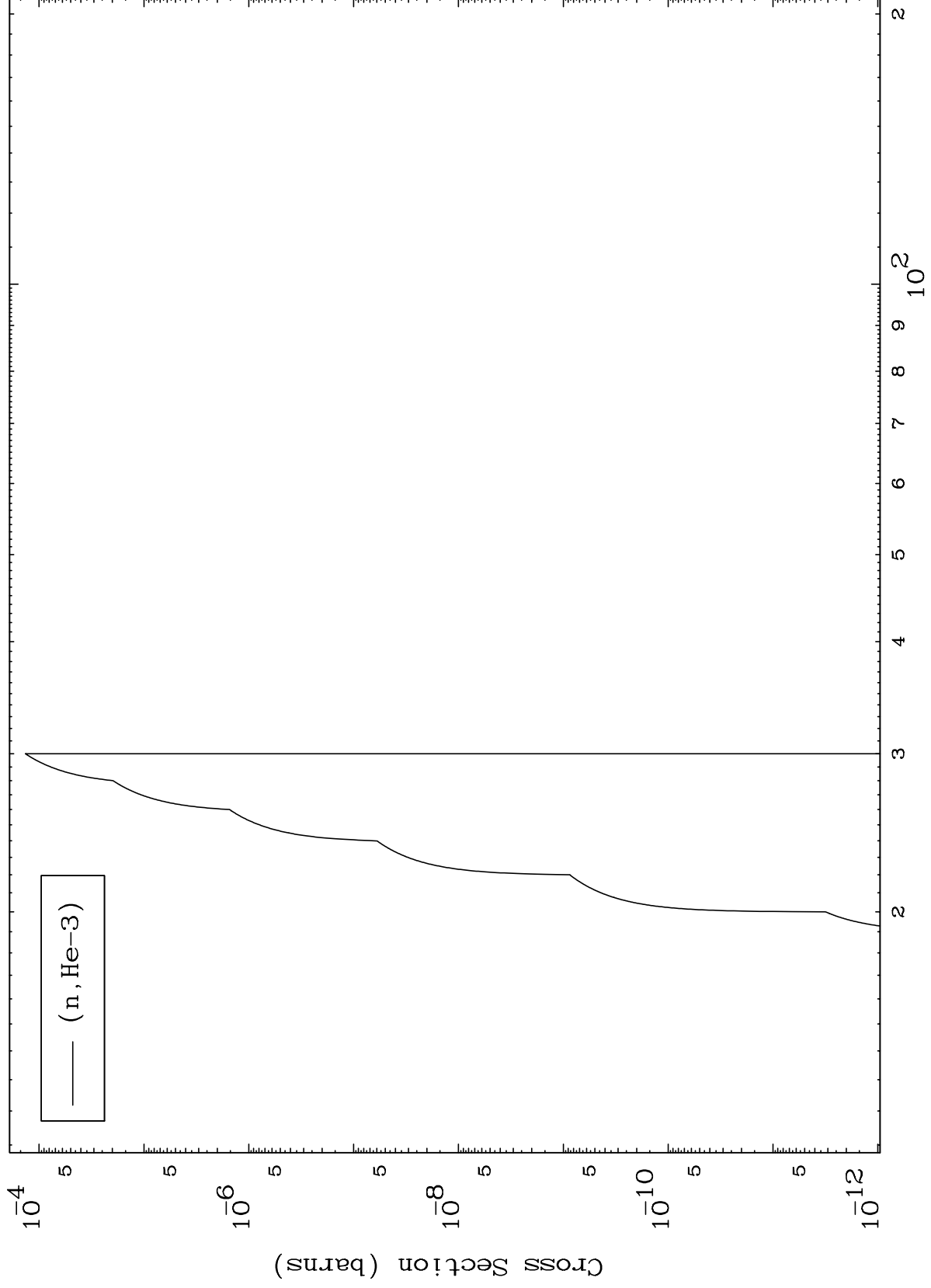


7

Incident Energy (MeV)

63-Eu-139



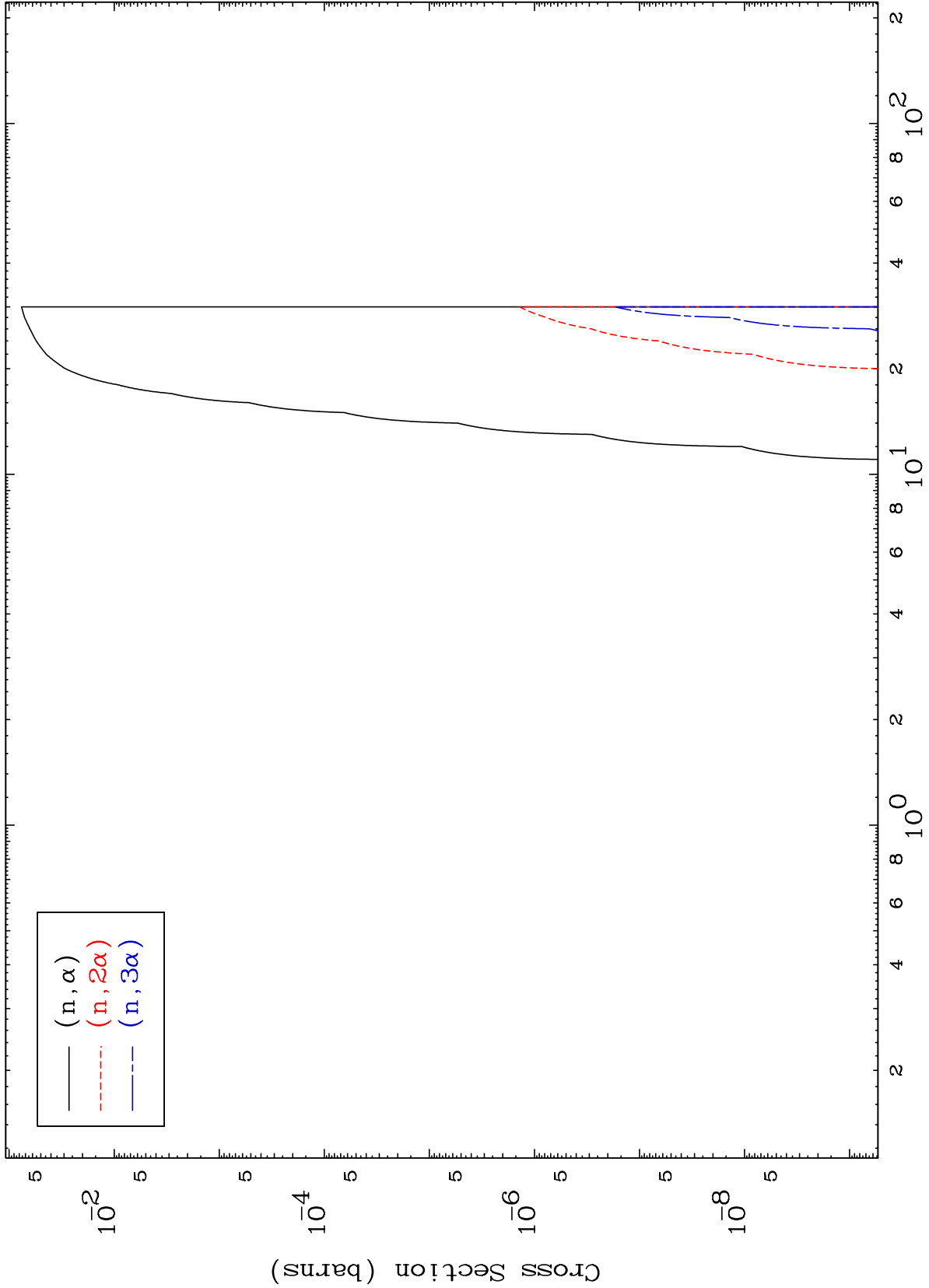


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(α, α) Levels

63-Eu-139

0 Kelvin Cross Sections

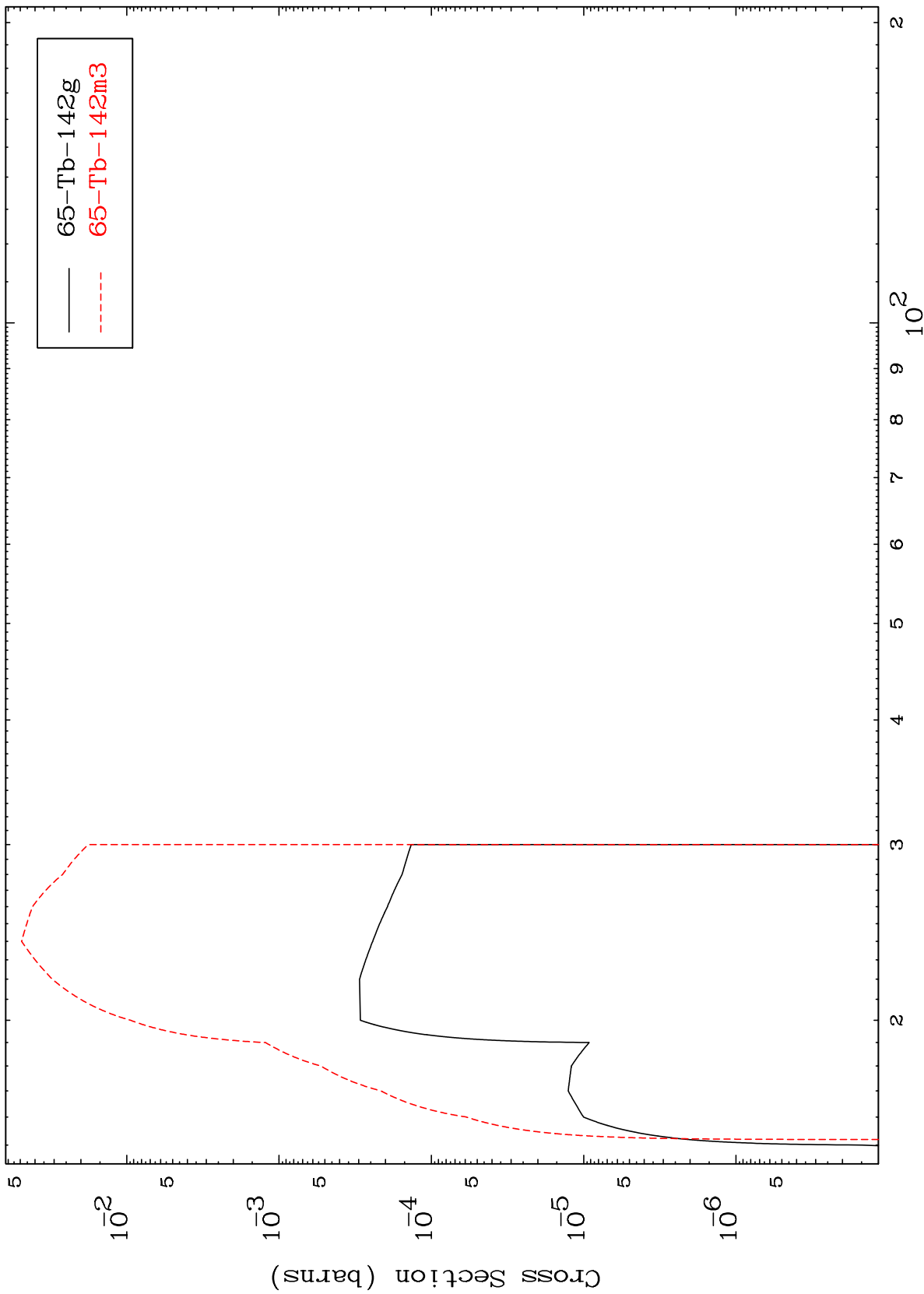


10

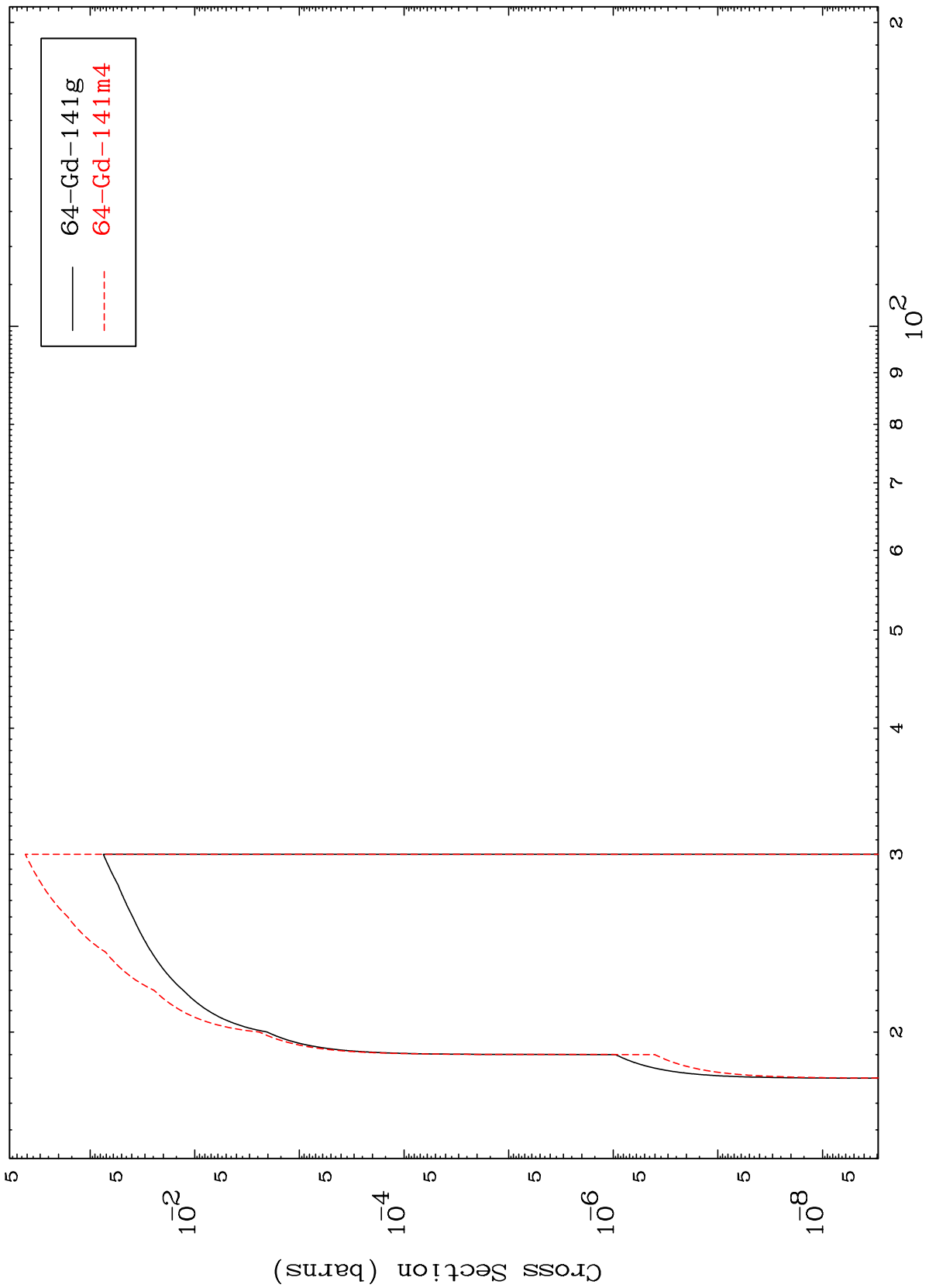
Incident Energy (MeV)

63-Eu-139

Inelastic
Radionuclide Production Cross Section



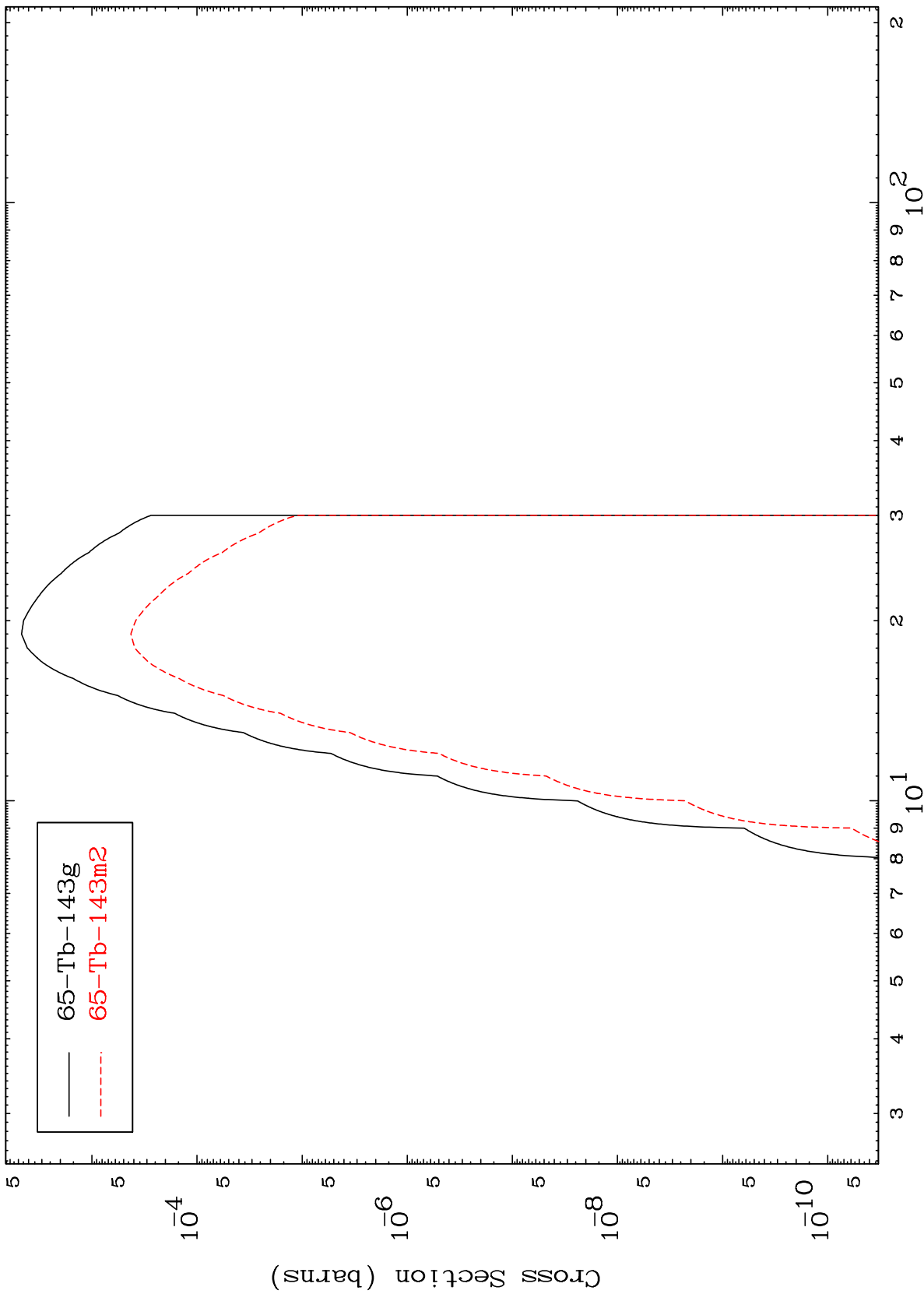
(n,n') p
Radionuclide Production Cross Section



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63-Eu-139

(n, γ)
Radionuclide Production Cross Section



— 65-Tb-143g
- - - 65-Tb-143m2

13

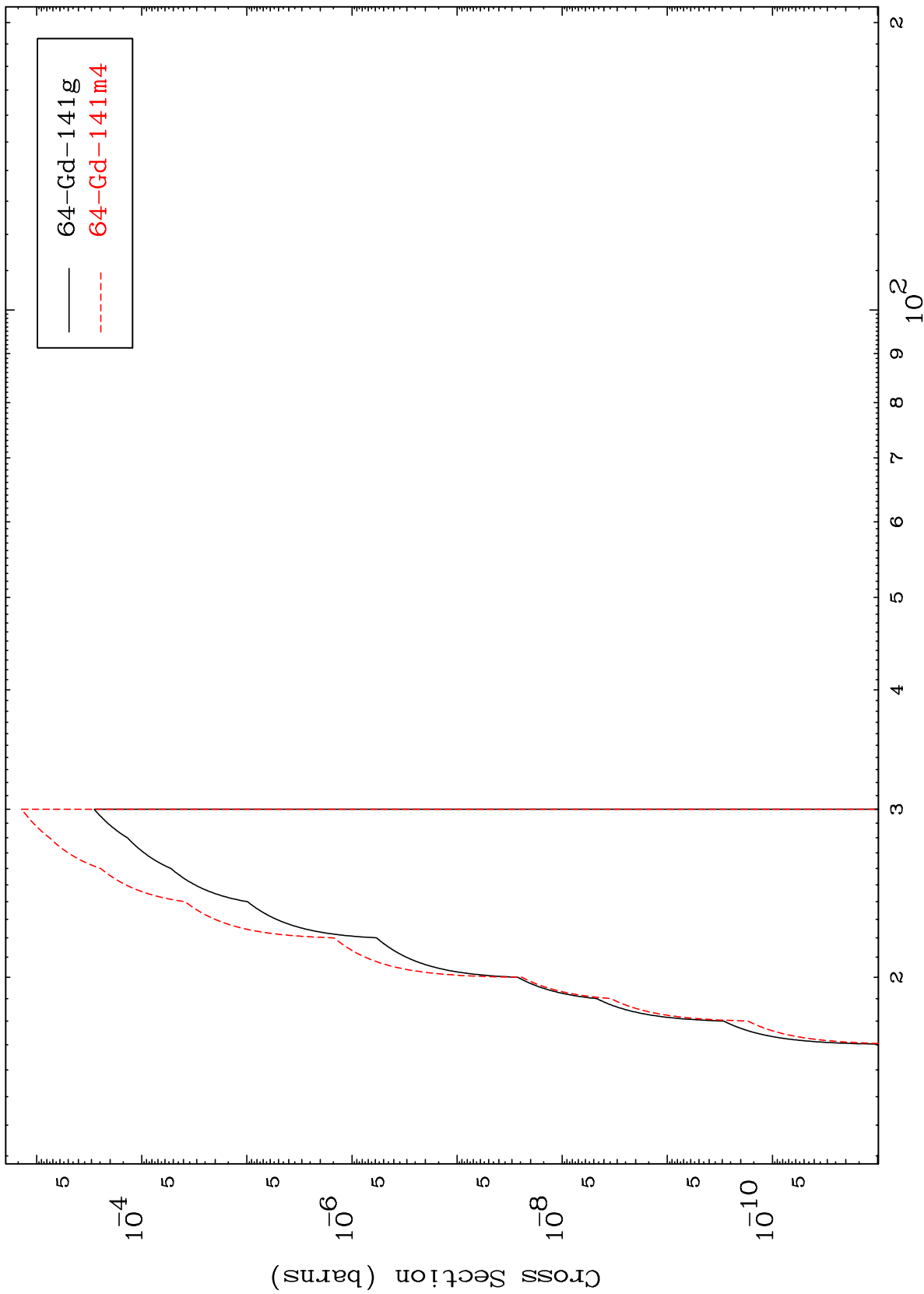
Incident Energy (MeV)

63-Eu-139

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63-Eu-139

(n,d)
Radionuclide Production Cross Section



14

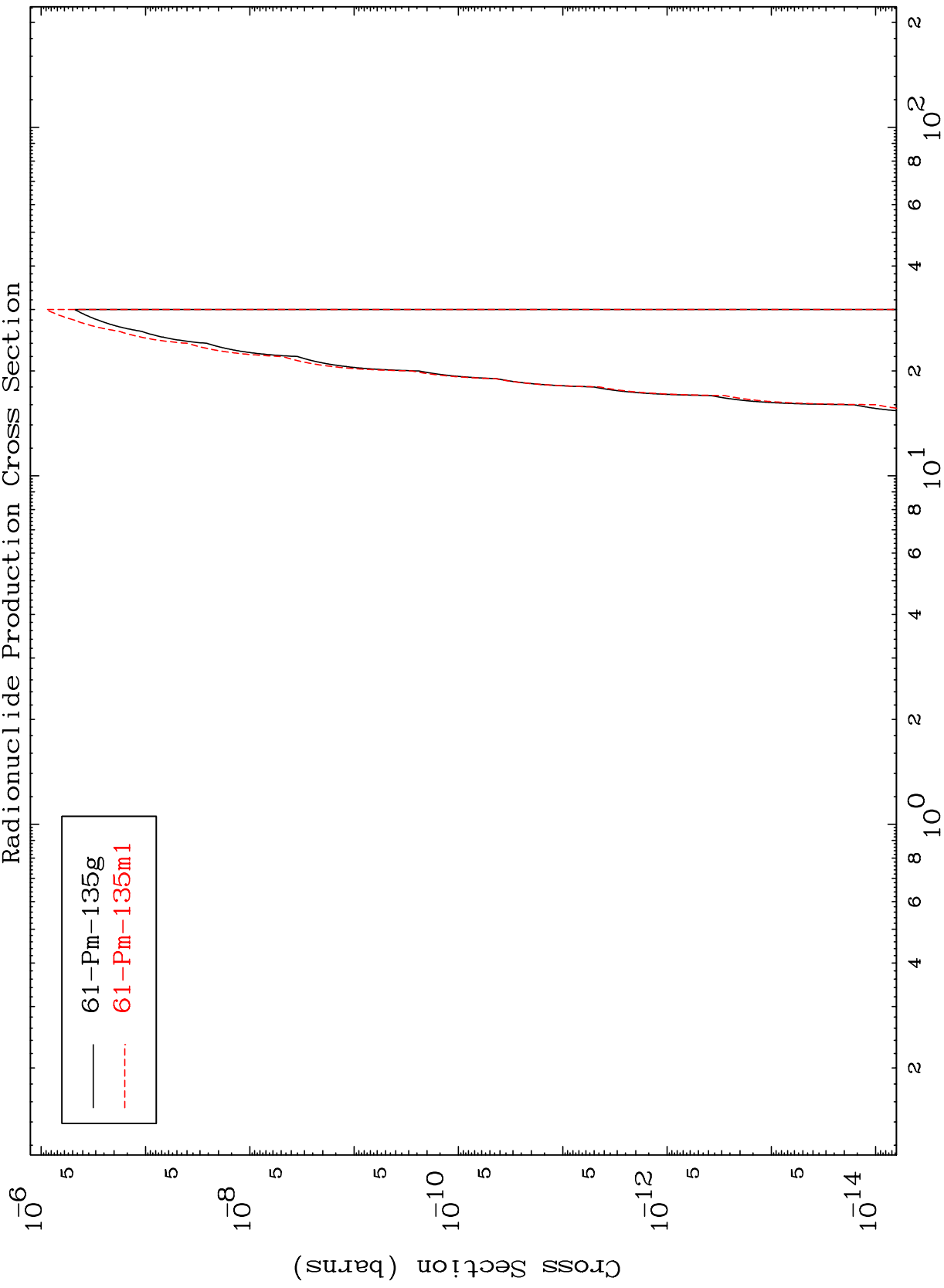
Incident Energy (MeV)

63-Eu-139

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63-Eu-139

(n,2α)
Radionuclide Production Cross Section



15

Incident Energy (MeV)

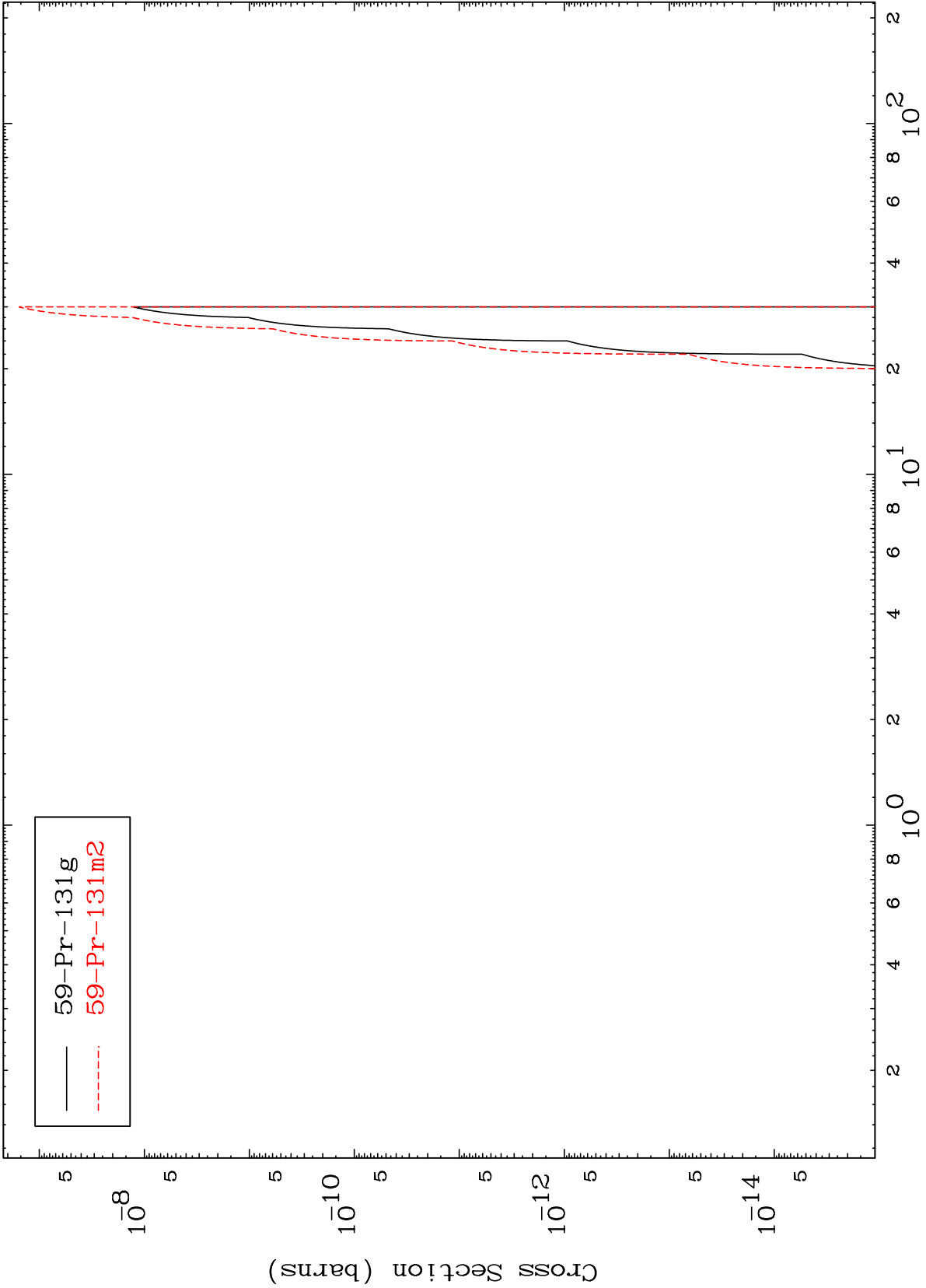
63-Eu-139

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(n, 3α)

63-Eu-139

Radionuclide Production Cross Section

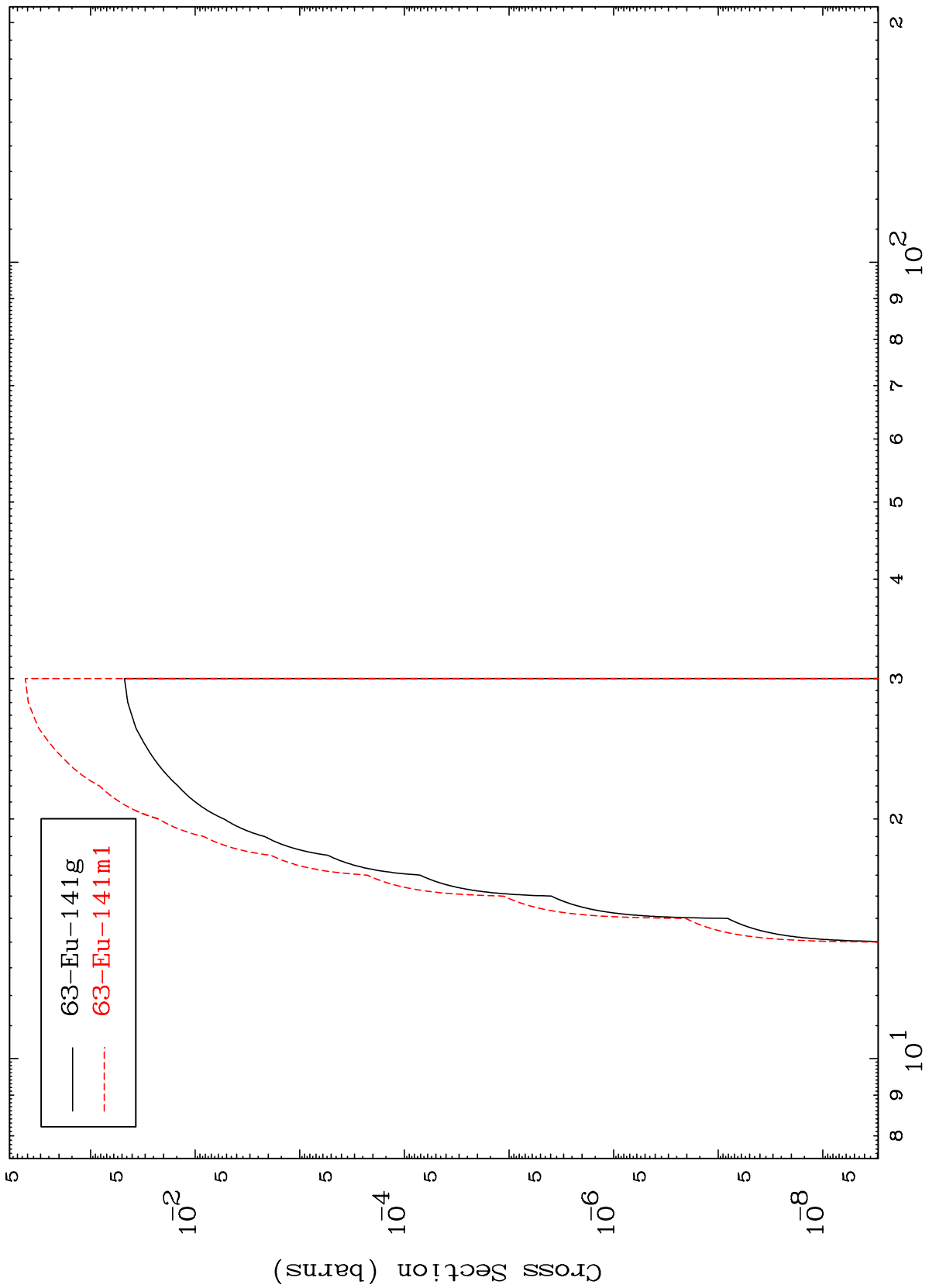


— 59-Pr-131g
- - - 59-Pr-131m2

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63-Eu-139

(n,2p)
Radionuclide Production Cross Section



17

Incident Energy (MeV)

63-Eu-139