

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

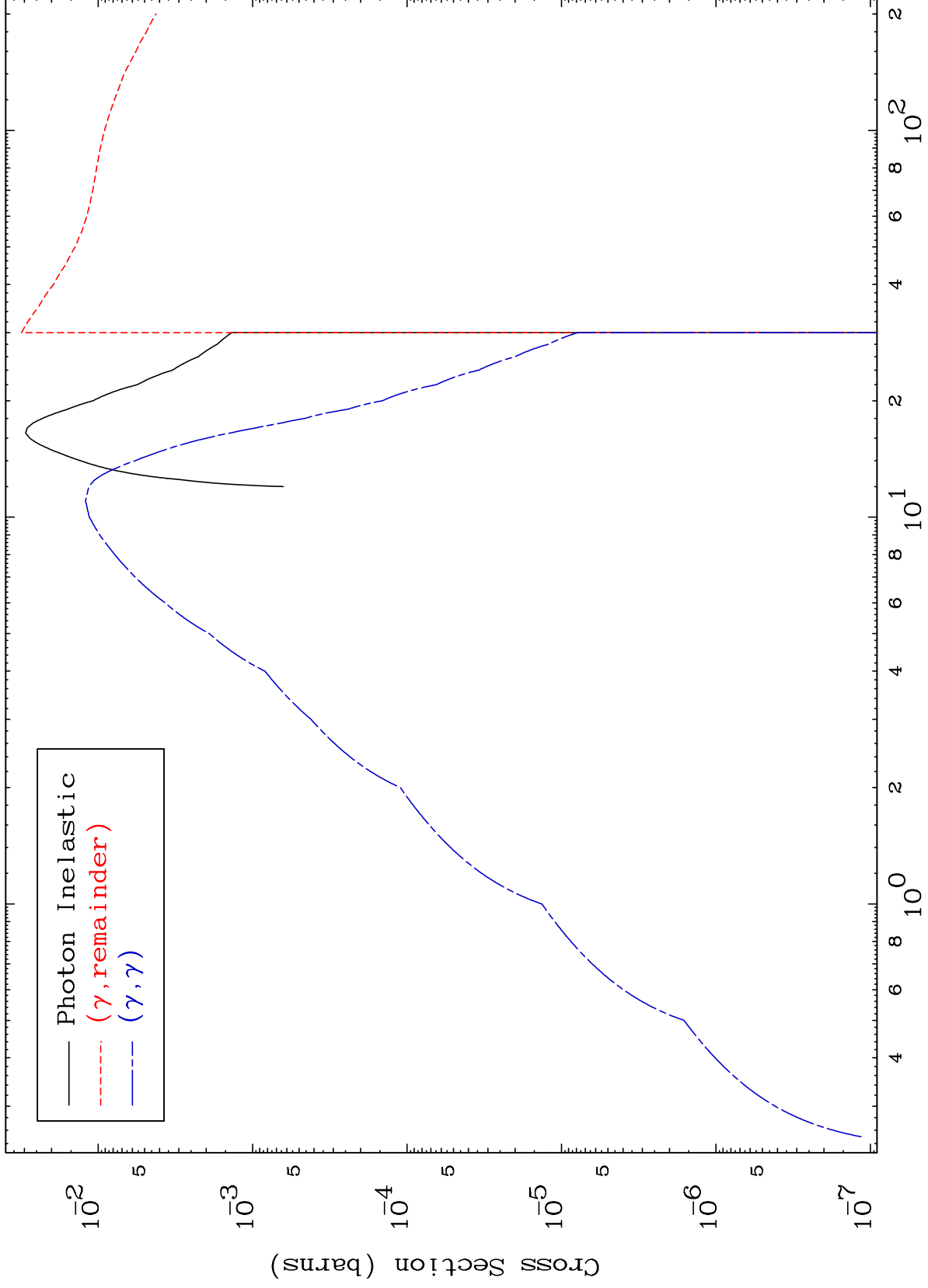
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

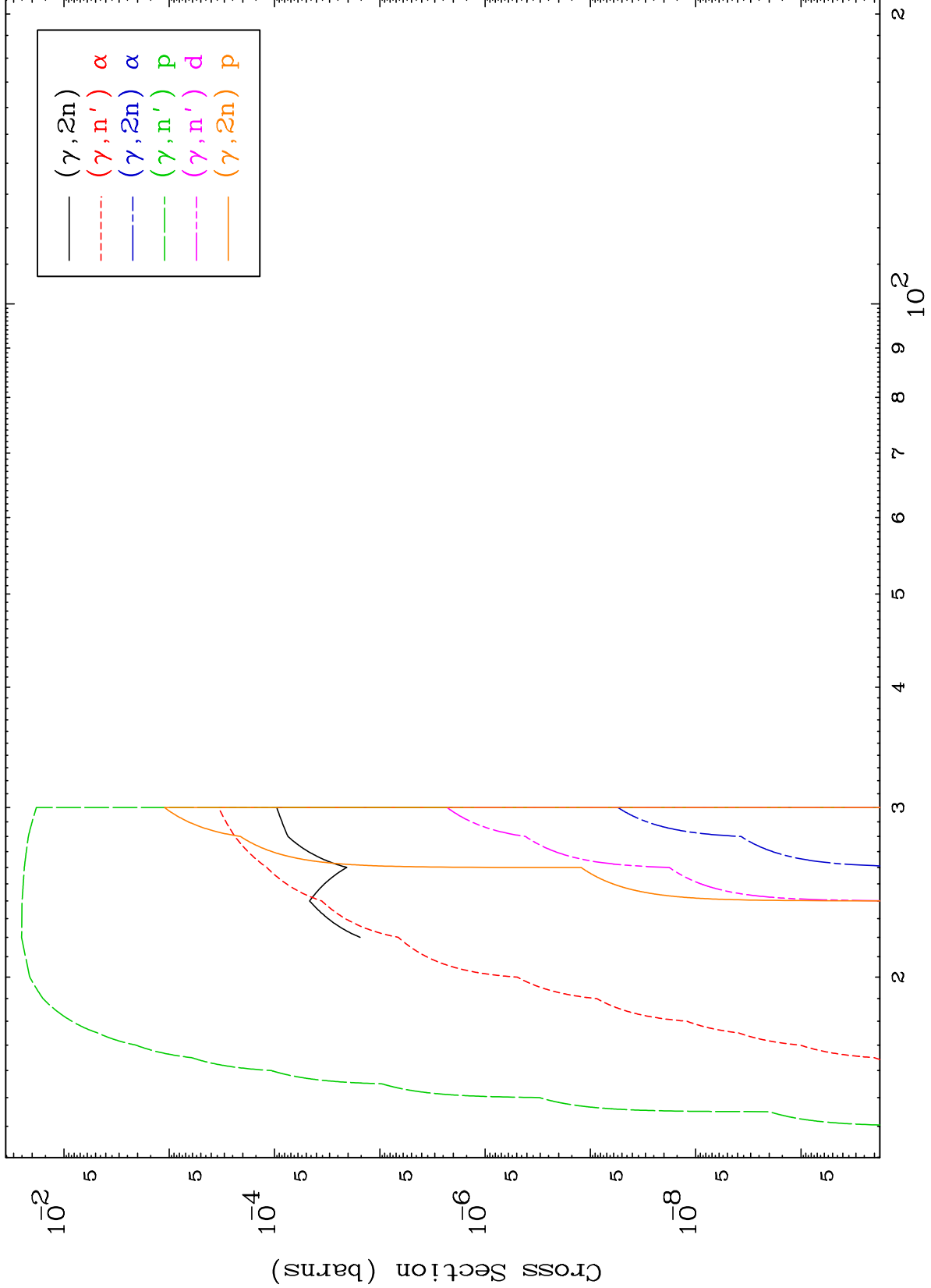
Tele: 925-443-1911

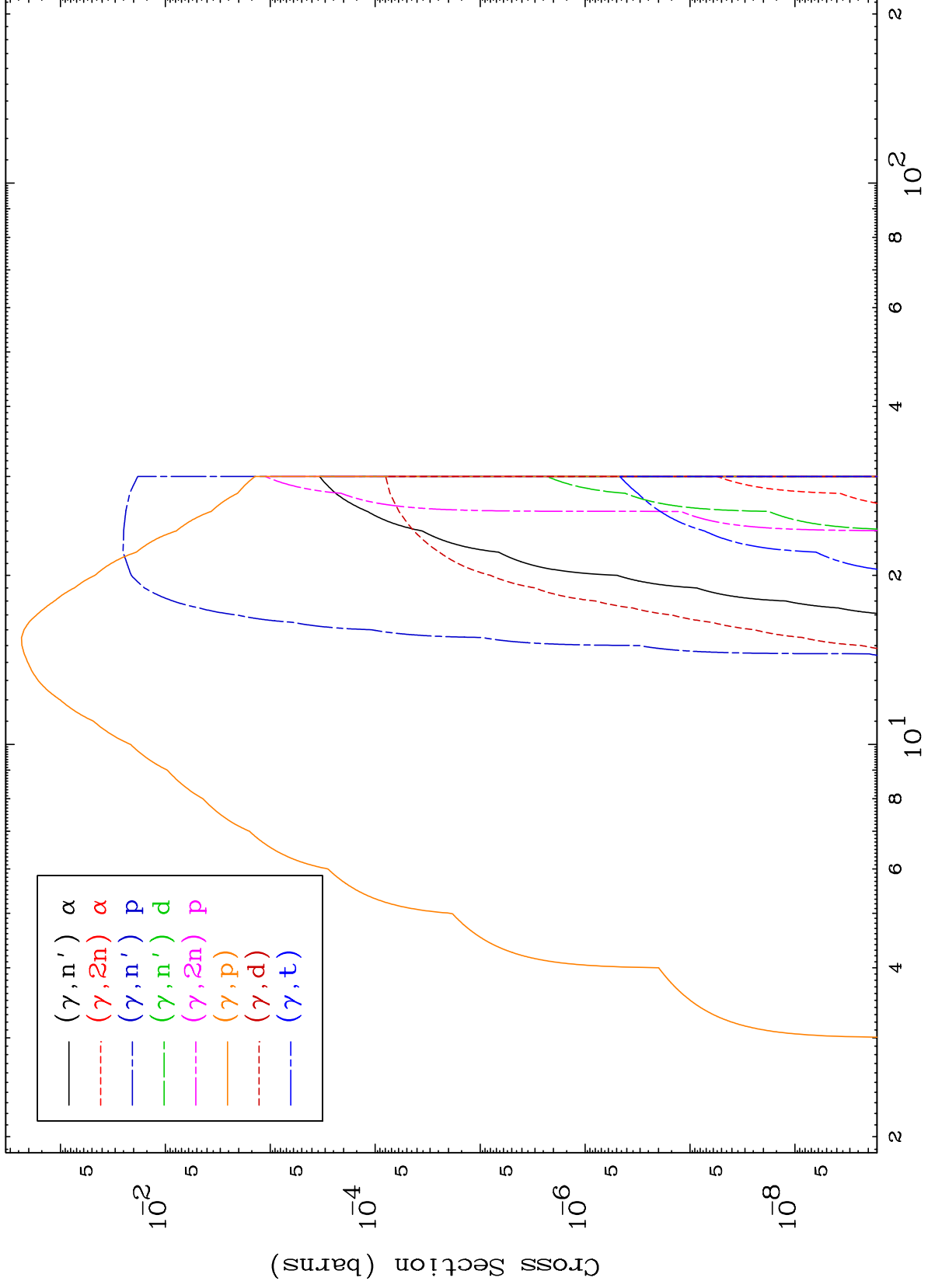
E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



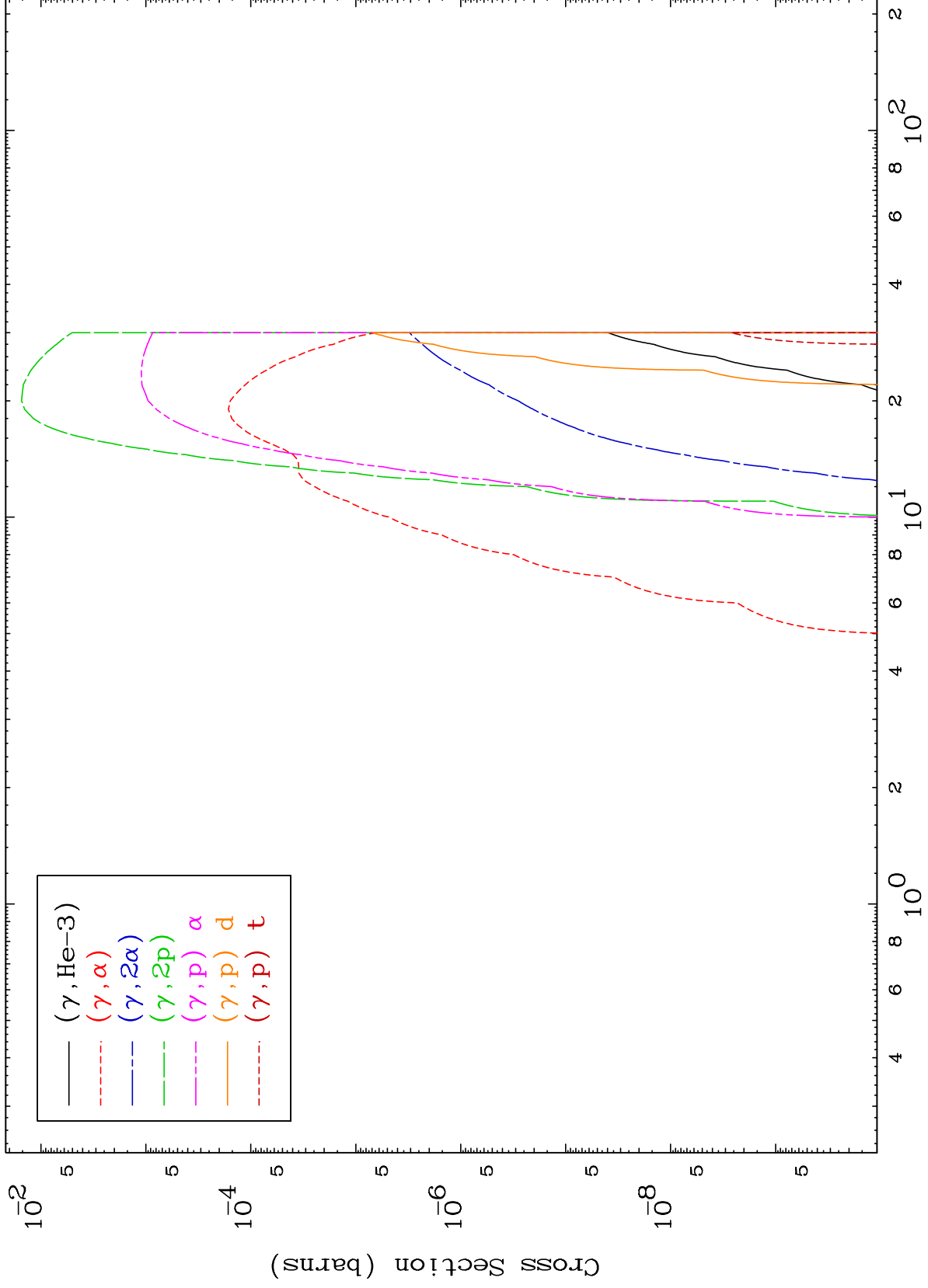




MAT 6289

Photon Charged Particle
0 Kelvin Cross Sections

63-Eu-139

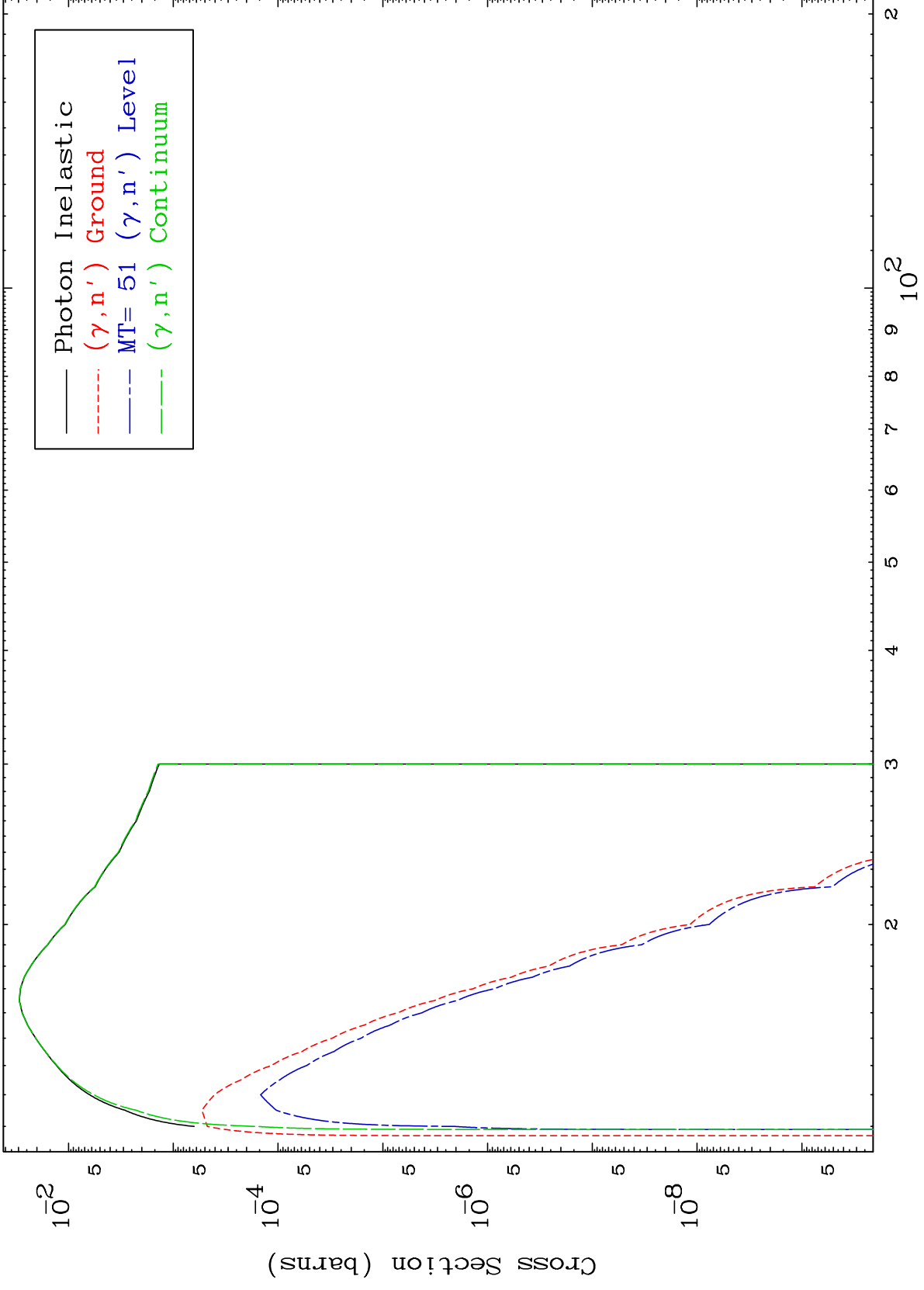


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(γ, n') Level

63-Eu-139

0 Kelvin Cross Sections



5

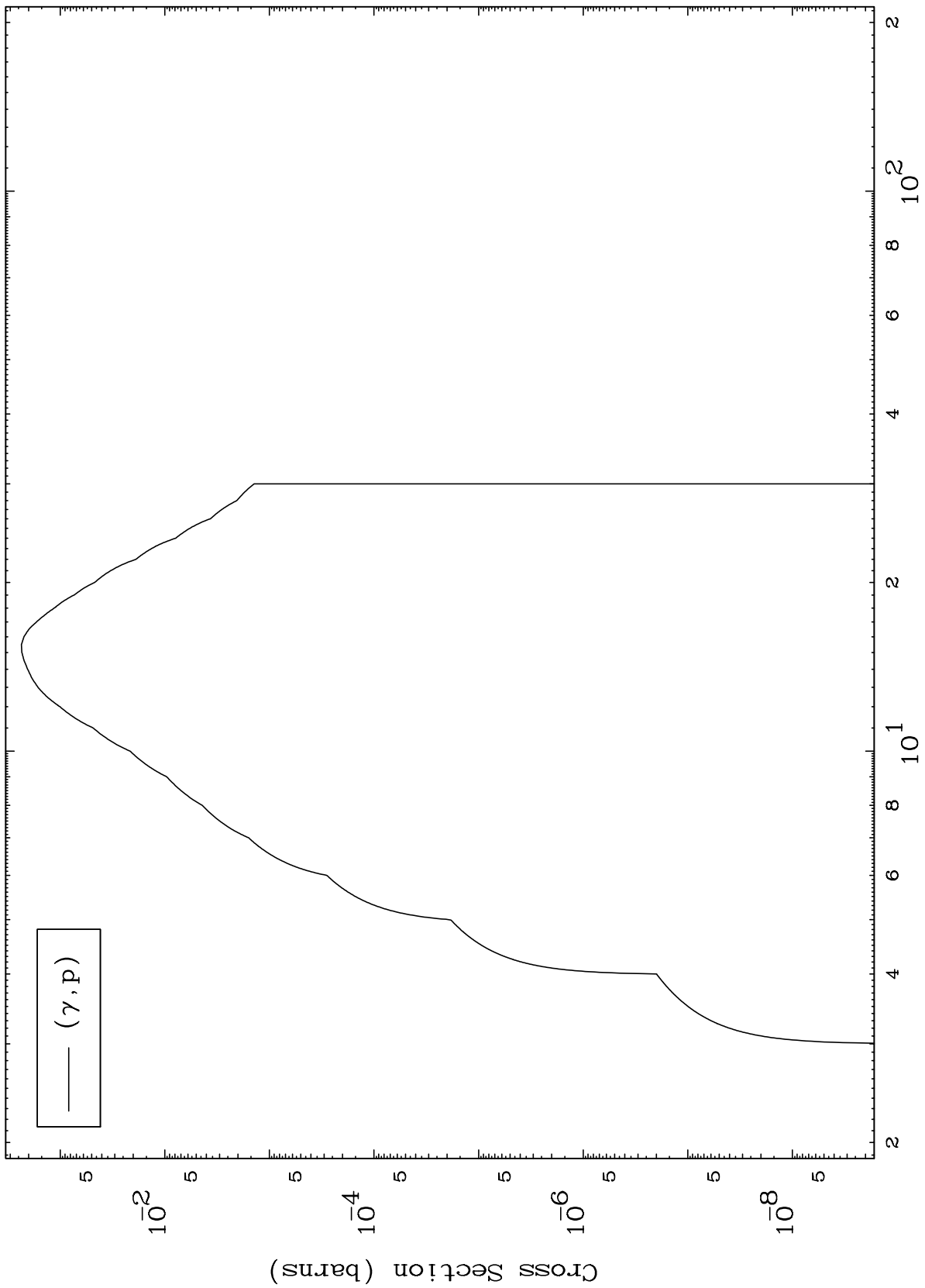
Incident Energy (MeV)

63-Eu-139

MAT 6289

63-Eu-139

(γ, p) Levels
0 Kelvin Cross Sections



63-Eu-139

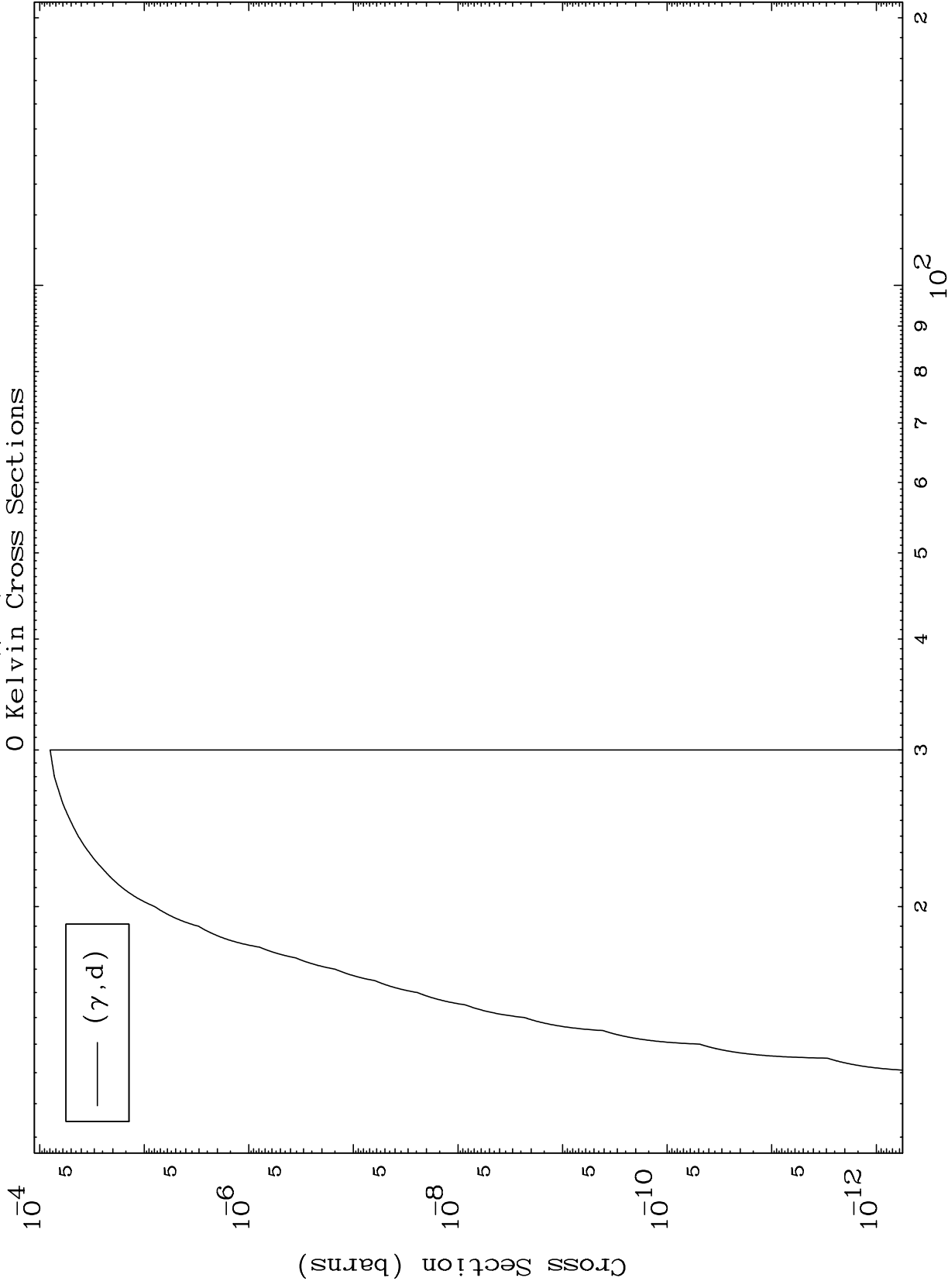
Incident Energy (MeV)

6

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(γ, d) Levels
0 Kelvin Cross Sections

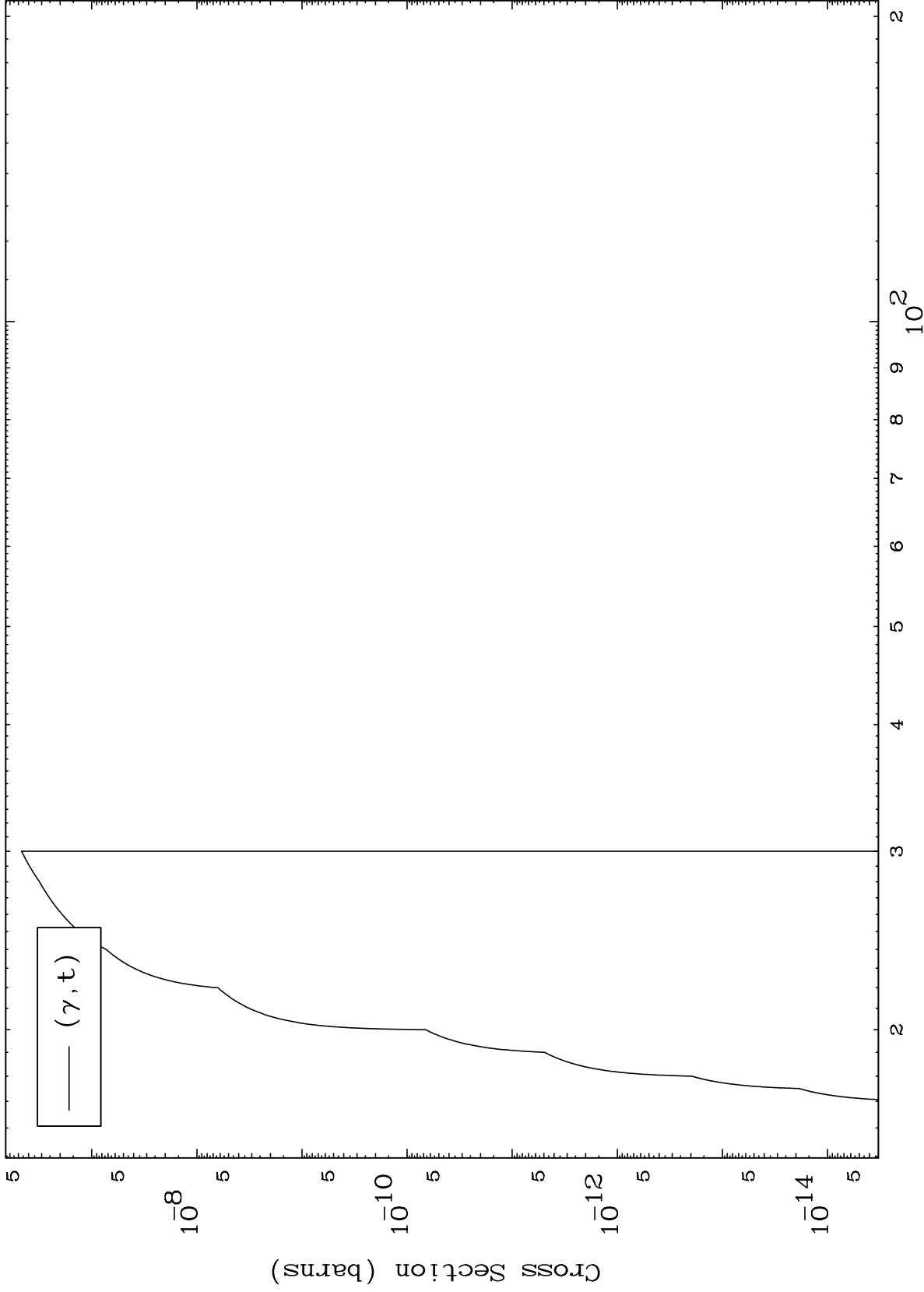
63-Eu-139

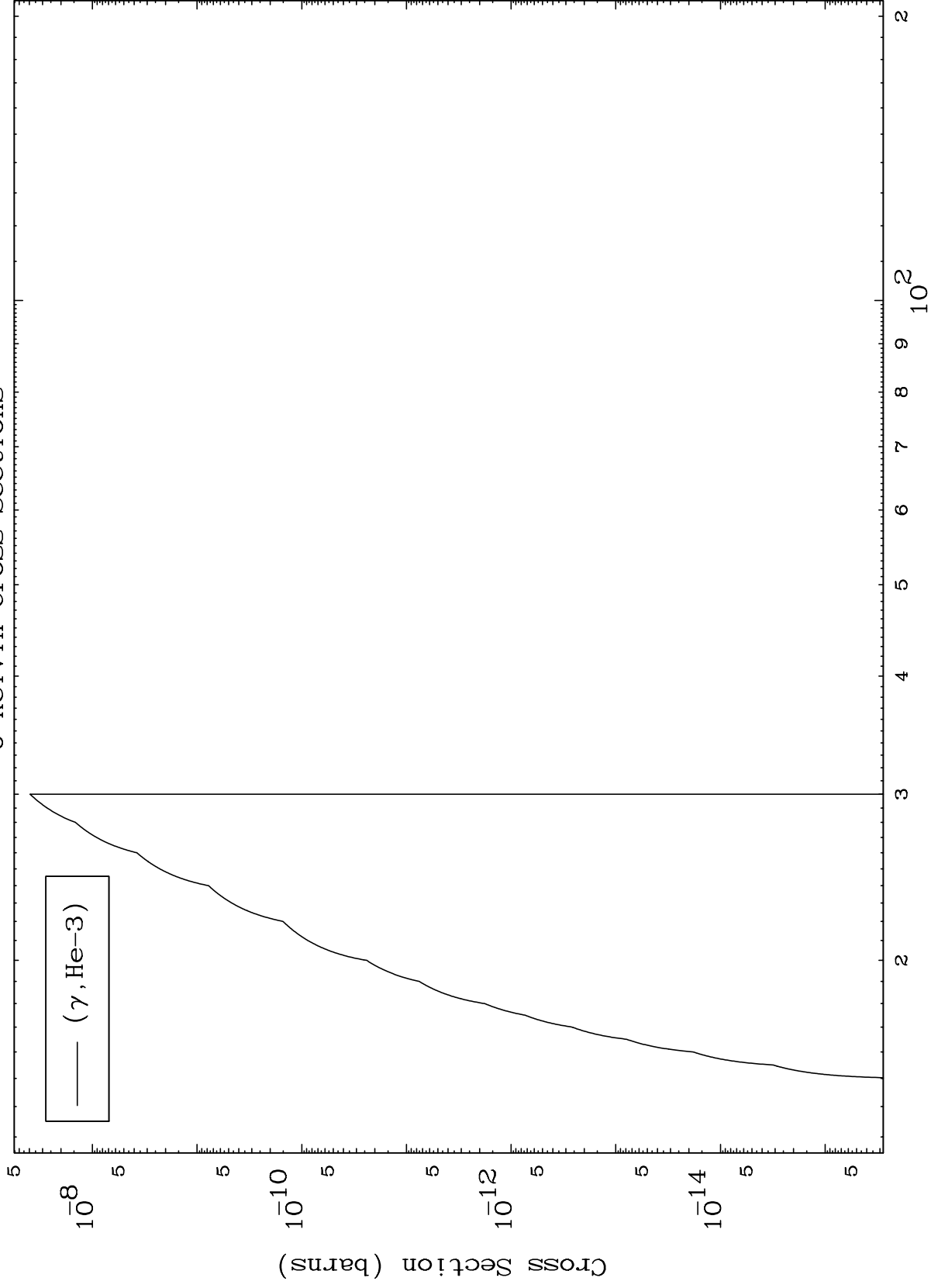


7

Incident Energy (MeV)

63-Eu-139



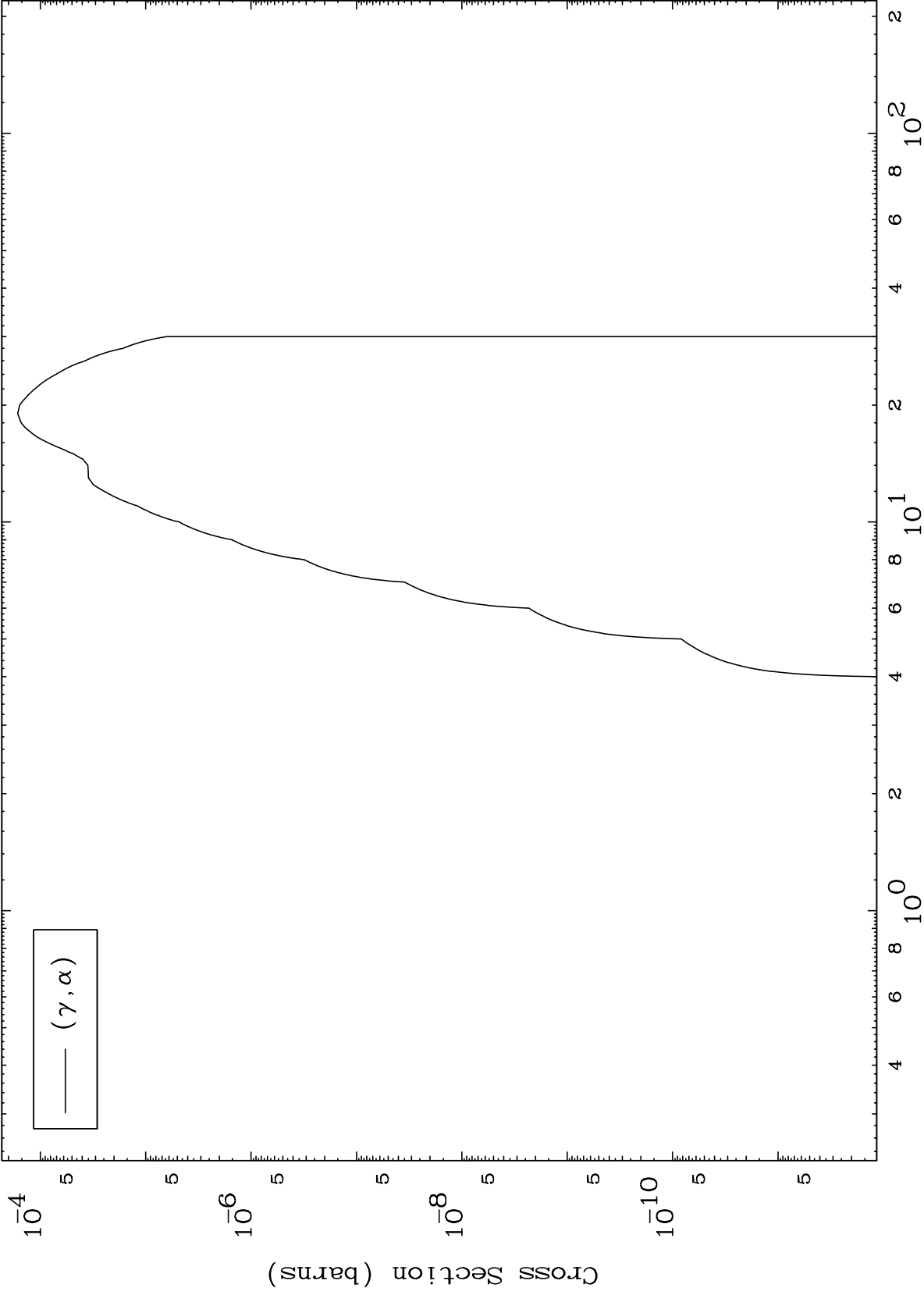


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(γ, α) Levels

63-Eu-139

0 Kelvin Cross Sections



10

Incident Energy (MeV)

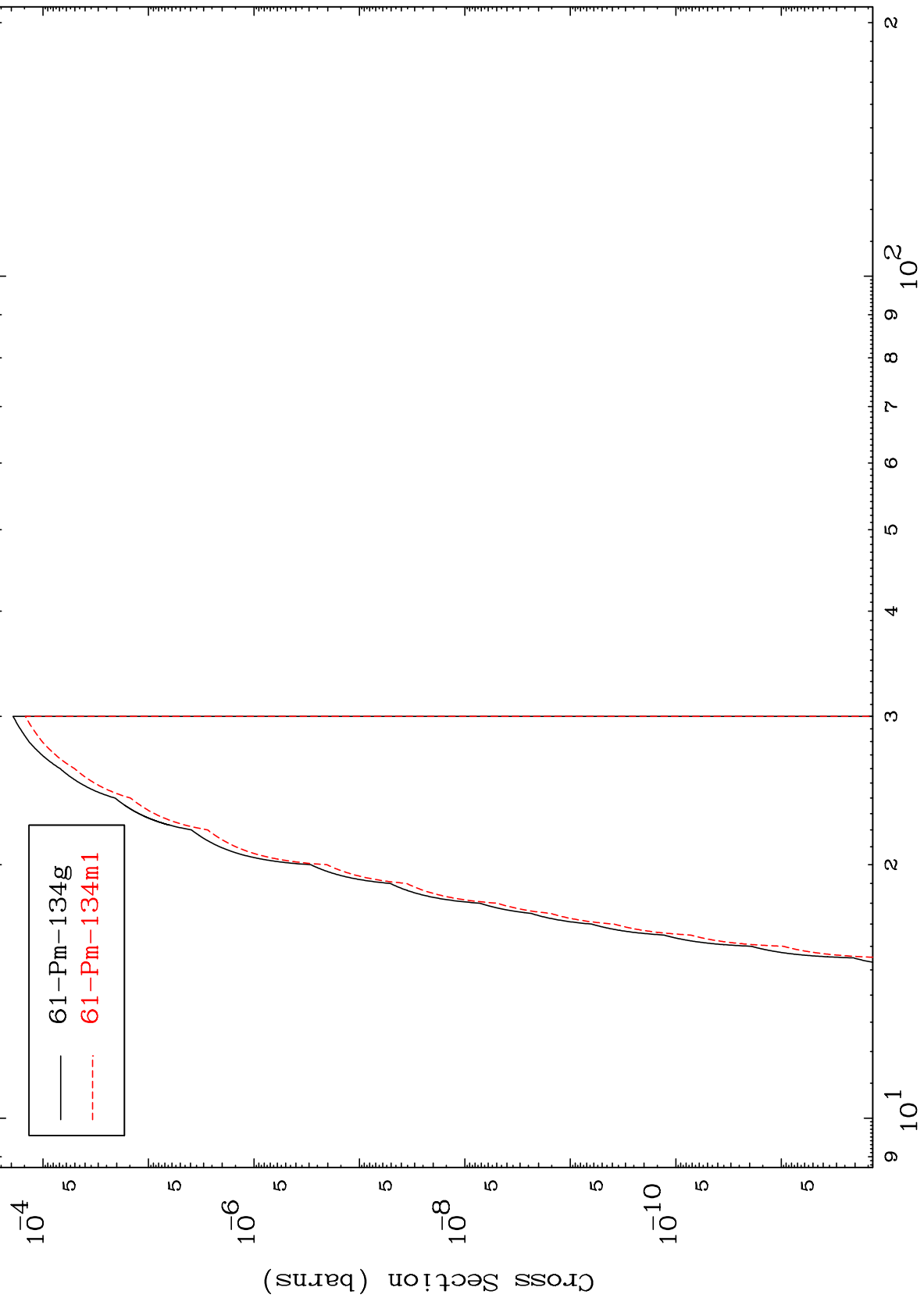
63-Eu-139

MAT 6289

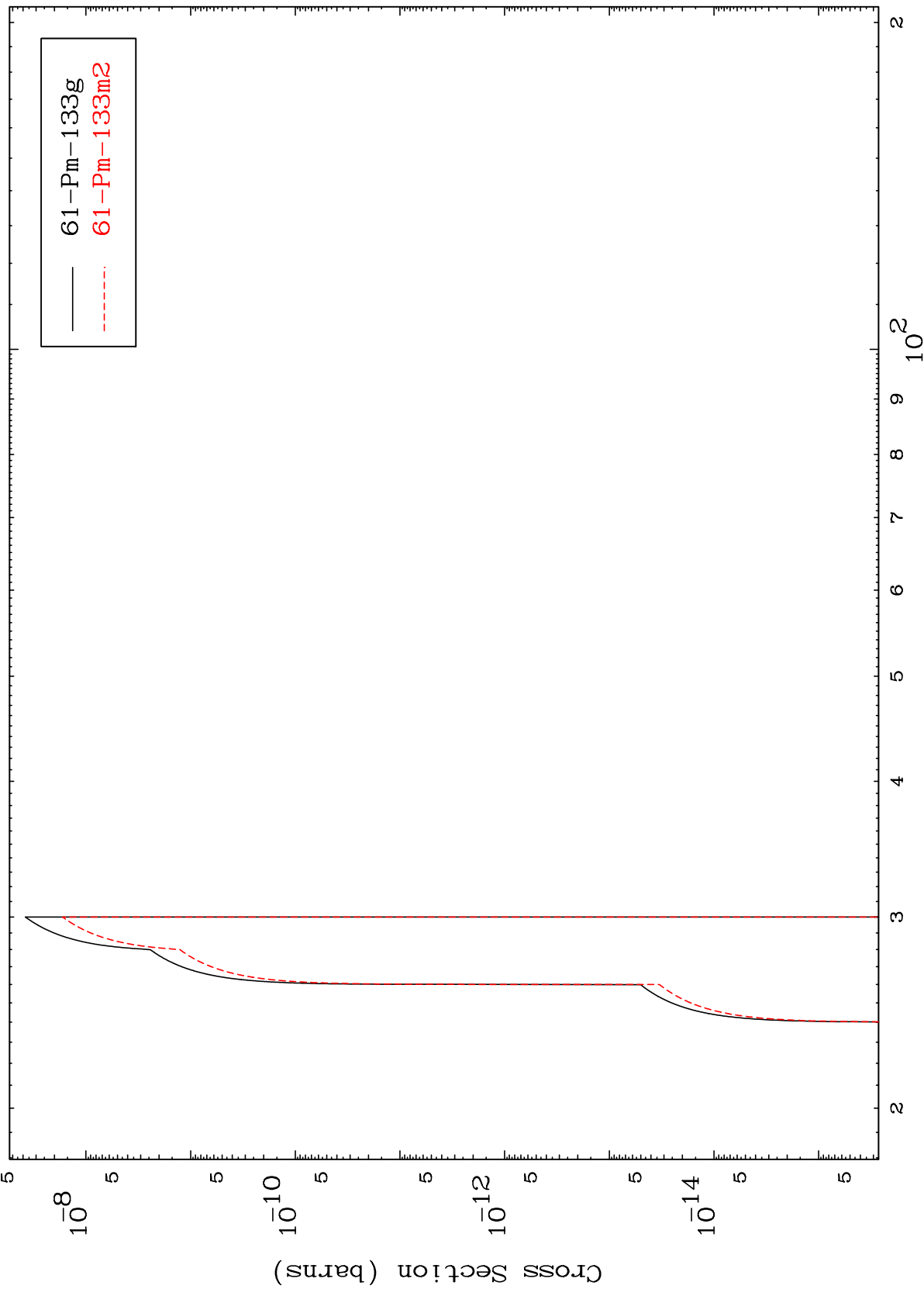
(γ, n') α

63-Eu-139

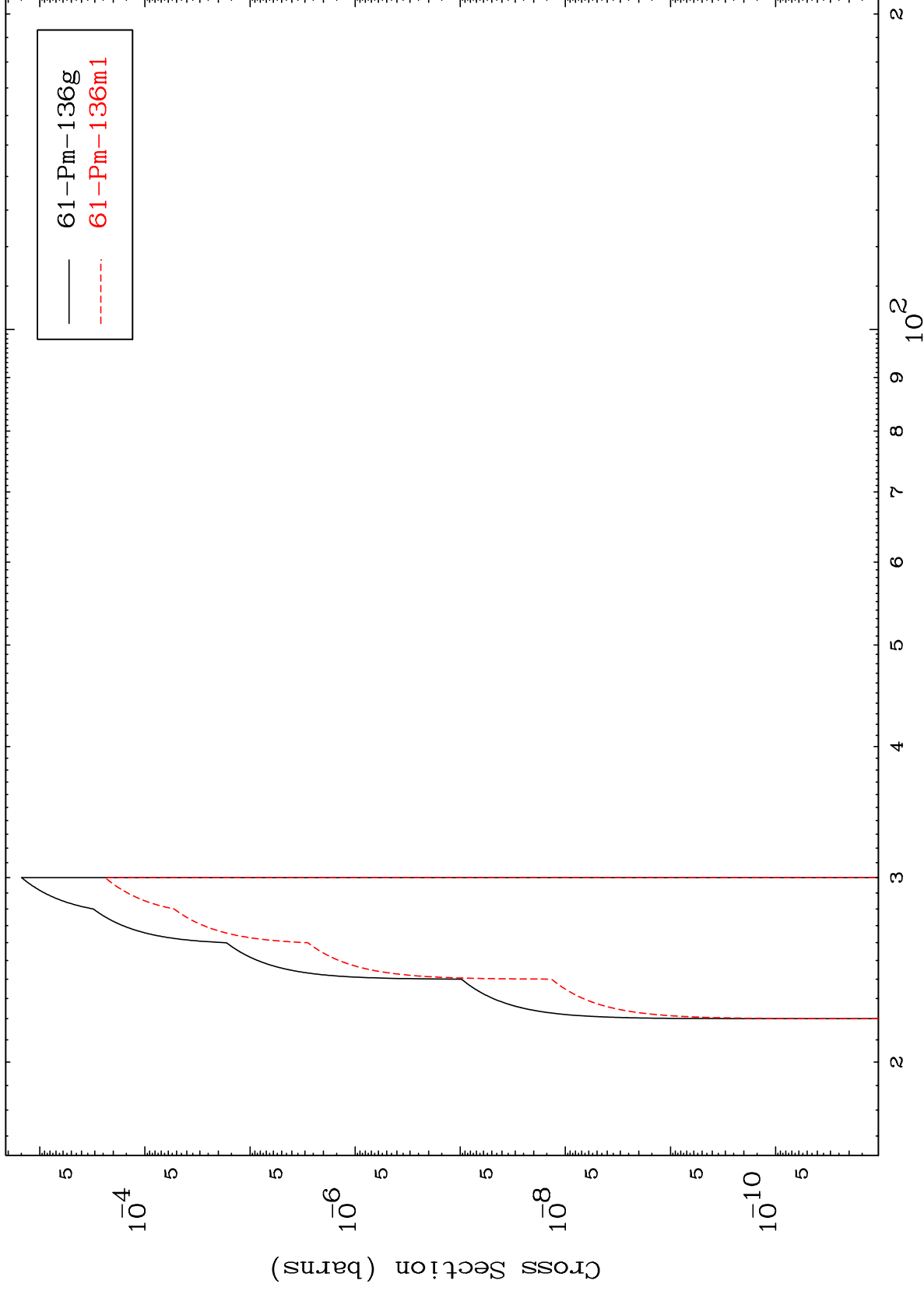
Radionuclide Production Cross Section



$(\gamma, 2n) \alpha$
Radionuclide Production Cross Section



Radionuclide Production Cross Section

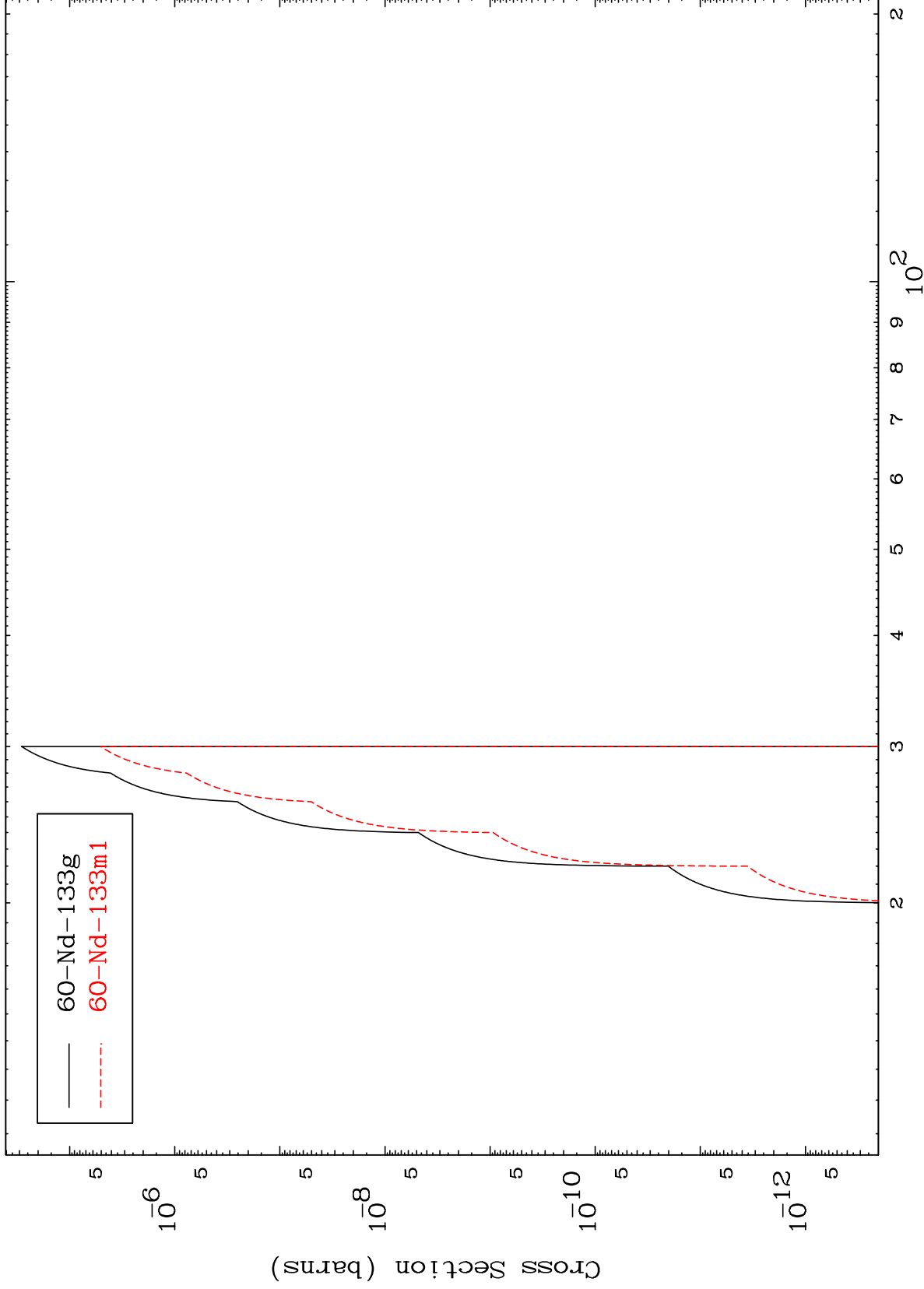


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(γ, n') p α

63-Eu-139

Radionuclide Production Cross Section



14

Incident Energy (MeV)

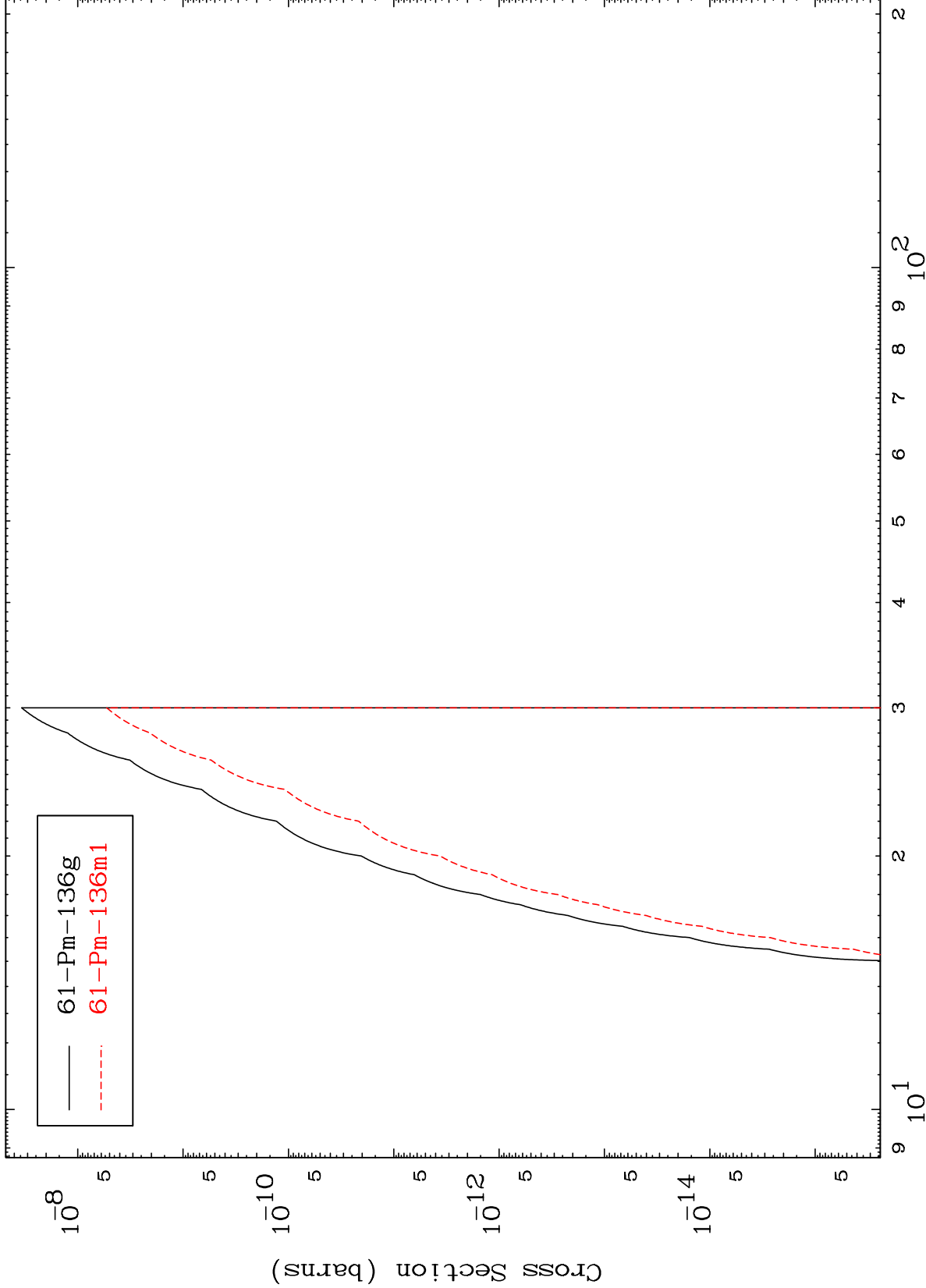
63-Eu-139

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($\gamma, \text{He-3}$)

63-Eu-139

Radionuclide Production Cross Section



61-Pm-136g
61-Pm-136m1

15

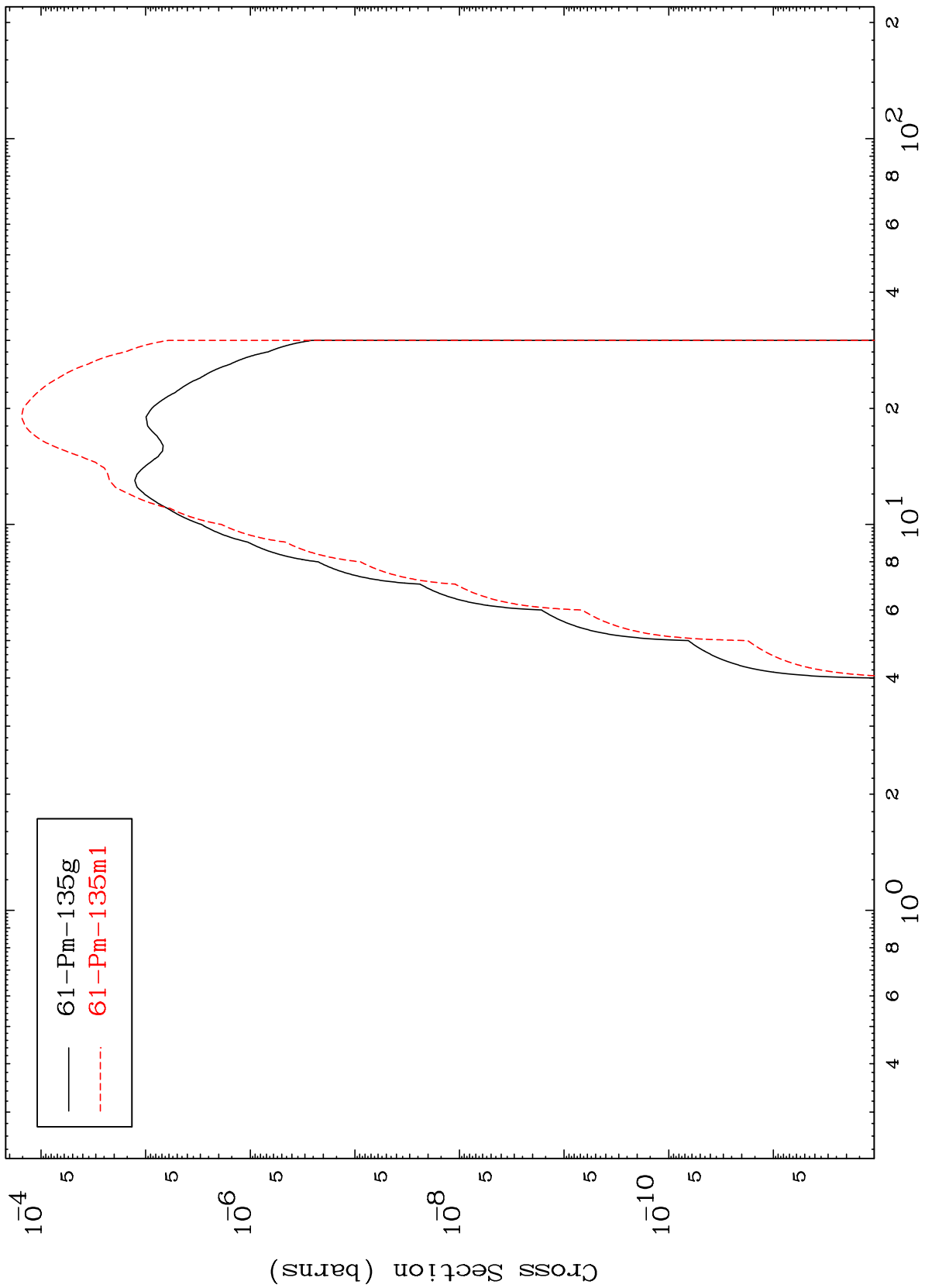
Incident Energy (MeV)

63-Eu-139

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63-Eu-139

(γ, α)
Radionuclide Production Cross Section



— 61-Pm-135g
- - - 61-Pm-135m1

16

63-Eu-139

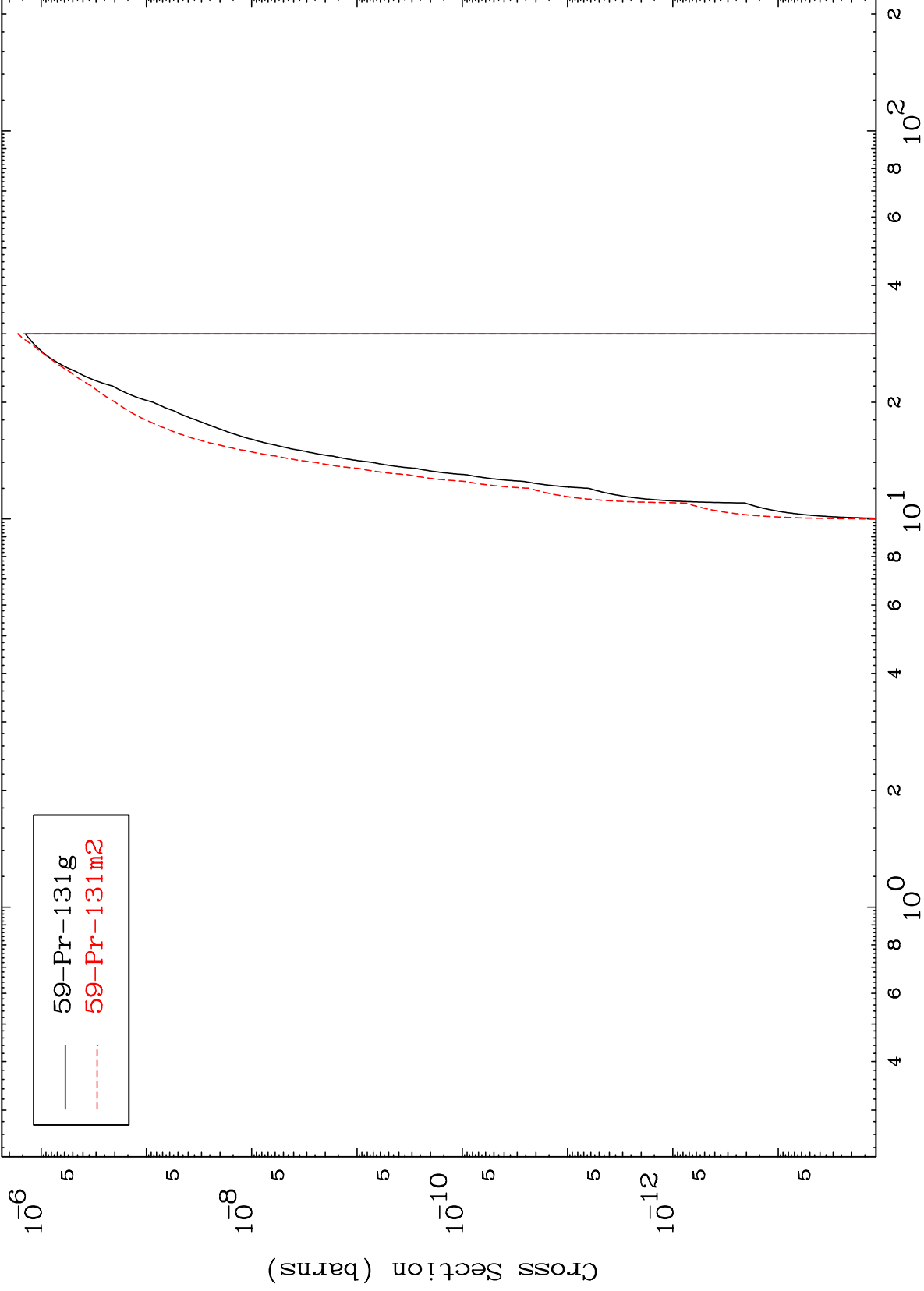
Incident Energy (MeV)

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($\gamma, 2\alpha$)

63-Eu-139

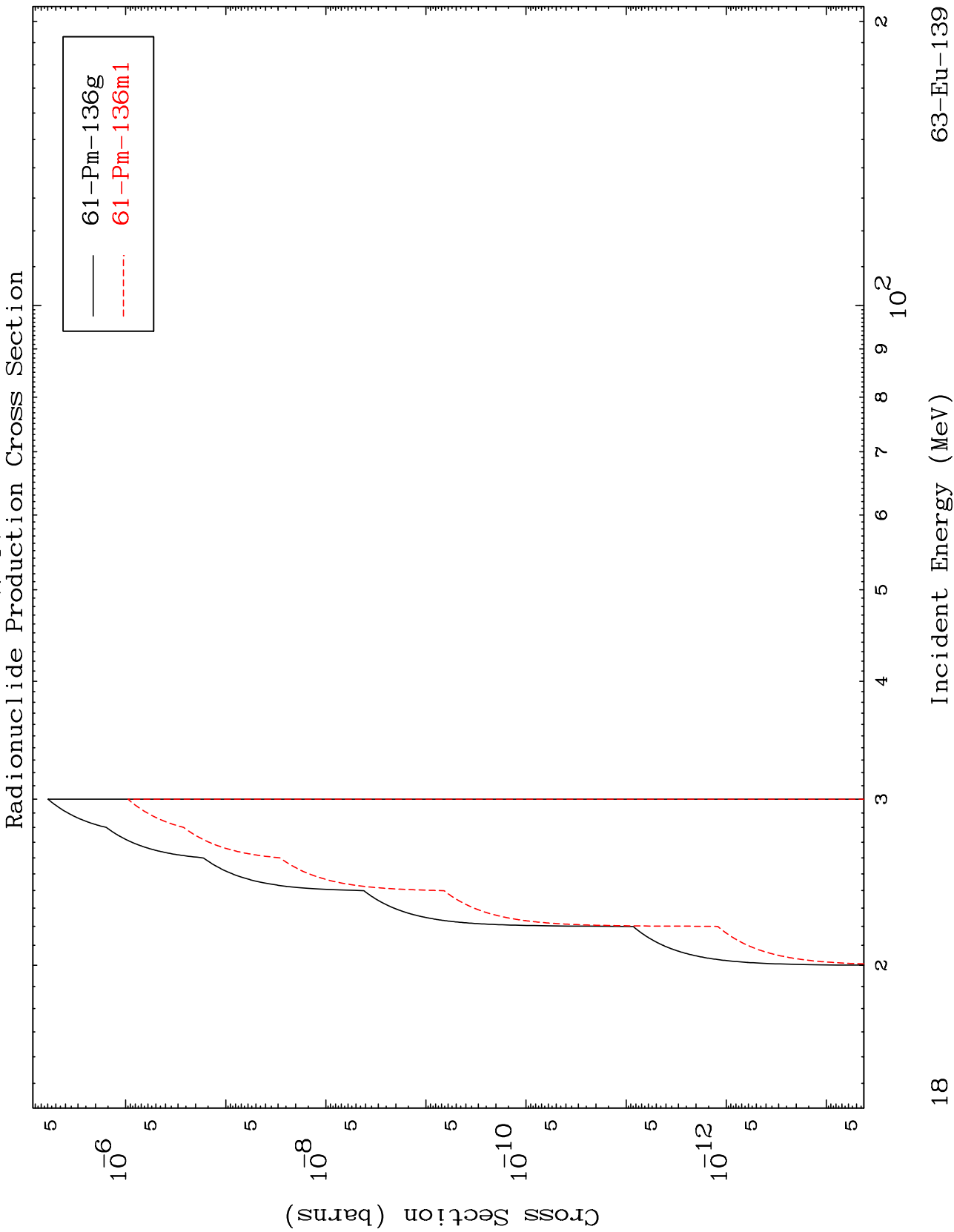
Radionuclide Production Cross Section



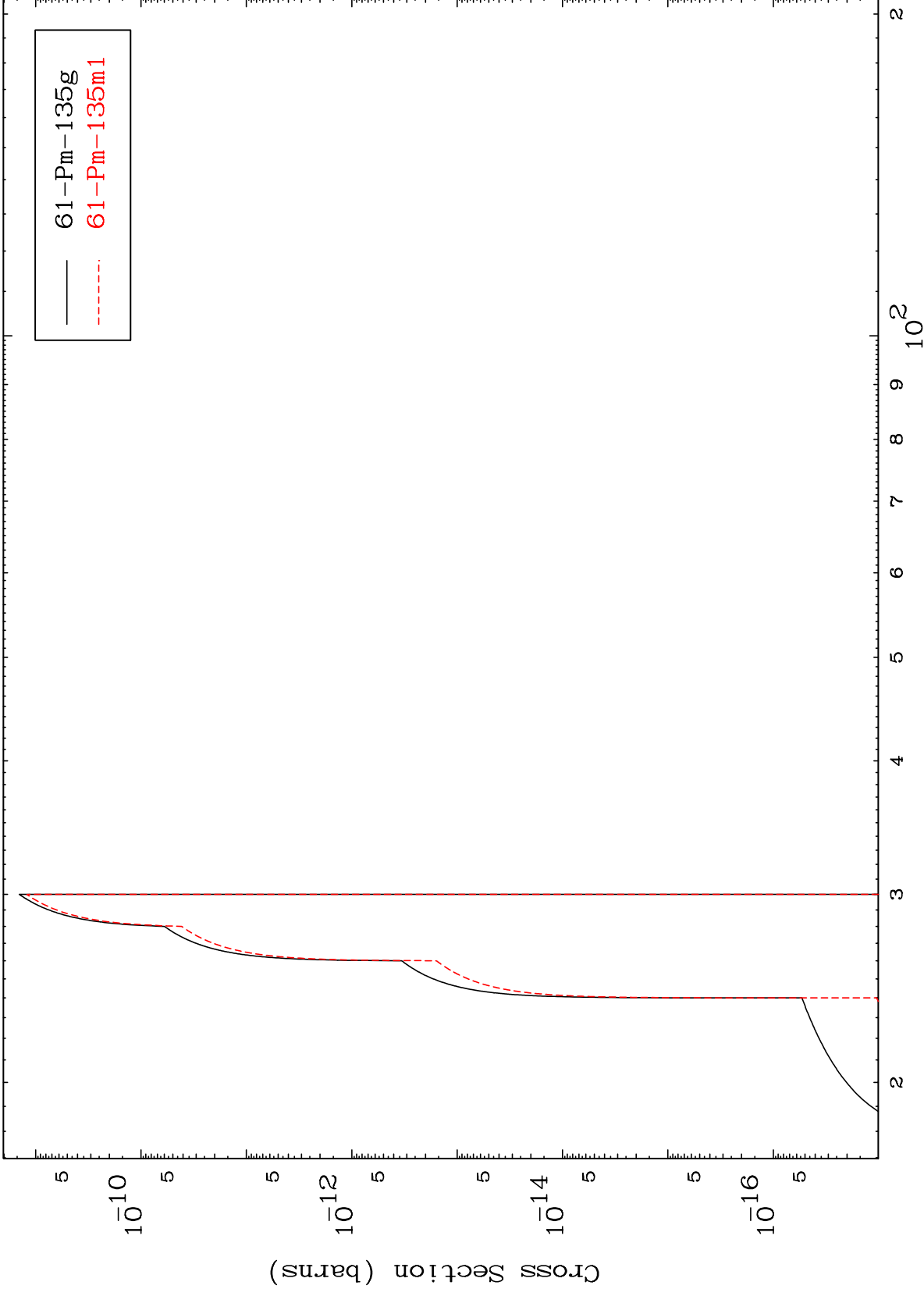
17

Incident Energy (MeV)

63-Eu-139



Radionuclide Production Cross Section

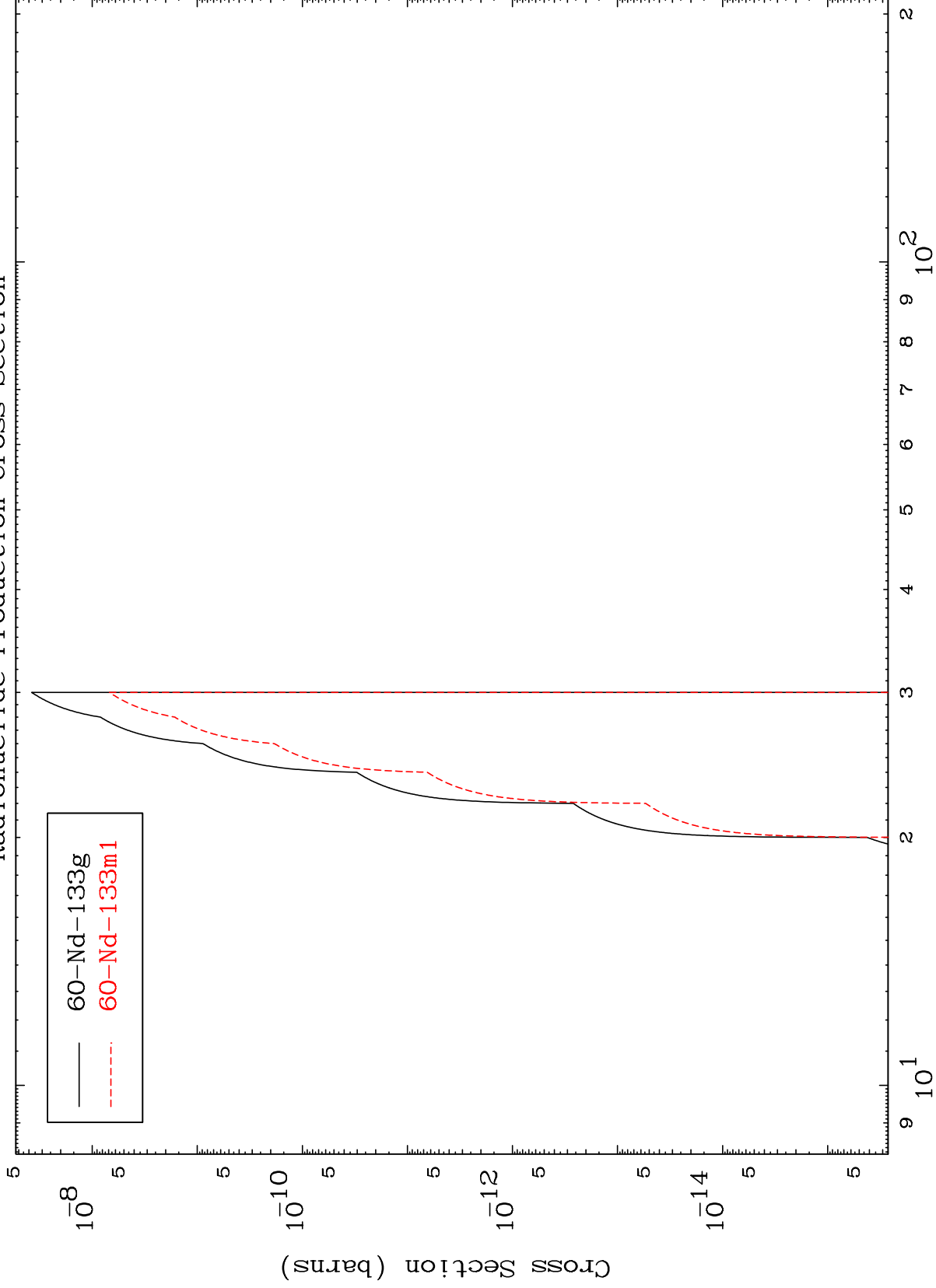


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(γ, d) α

63-Eu-139

Radionuclide Production Cross Section



20

Incident Energy (MeV)

63-Eu-139