

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

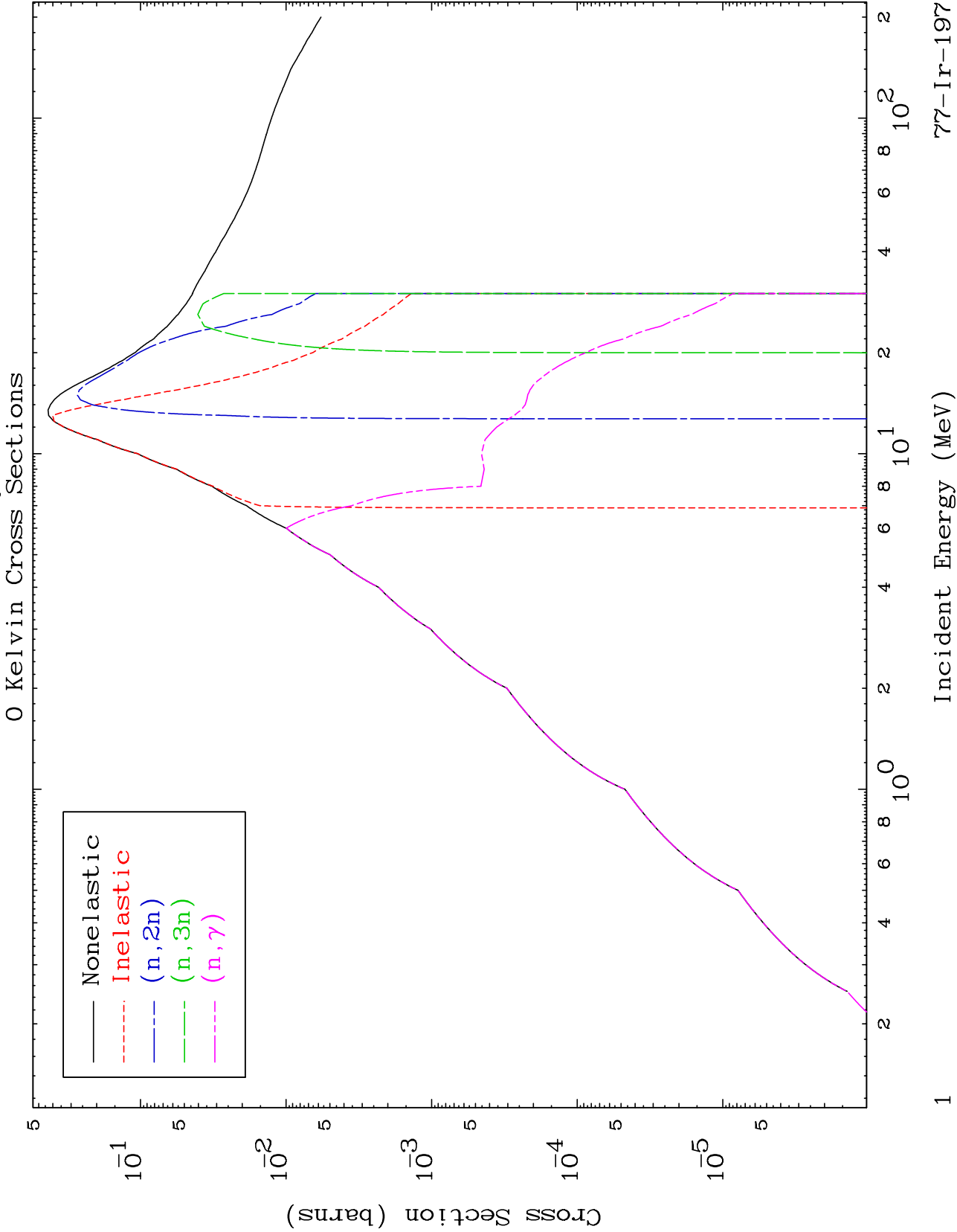
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1466 Hudson Way
Livermore, CA 94550
U.S.A.

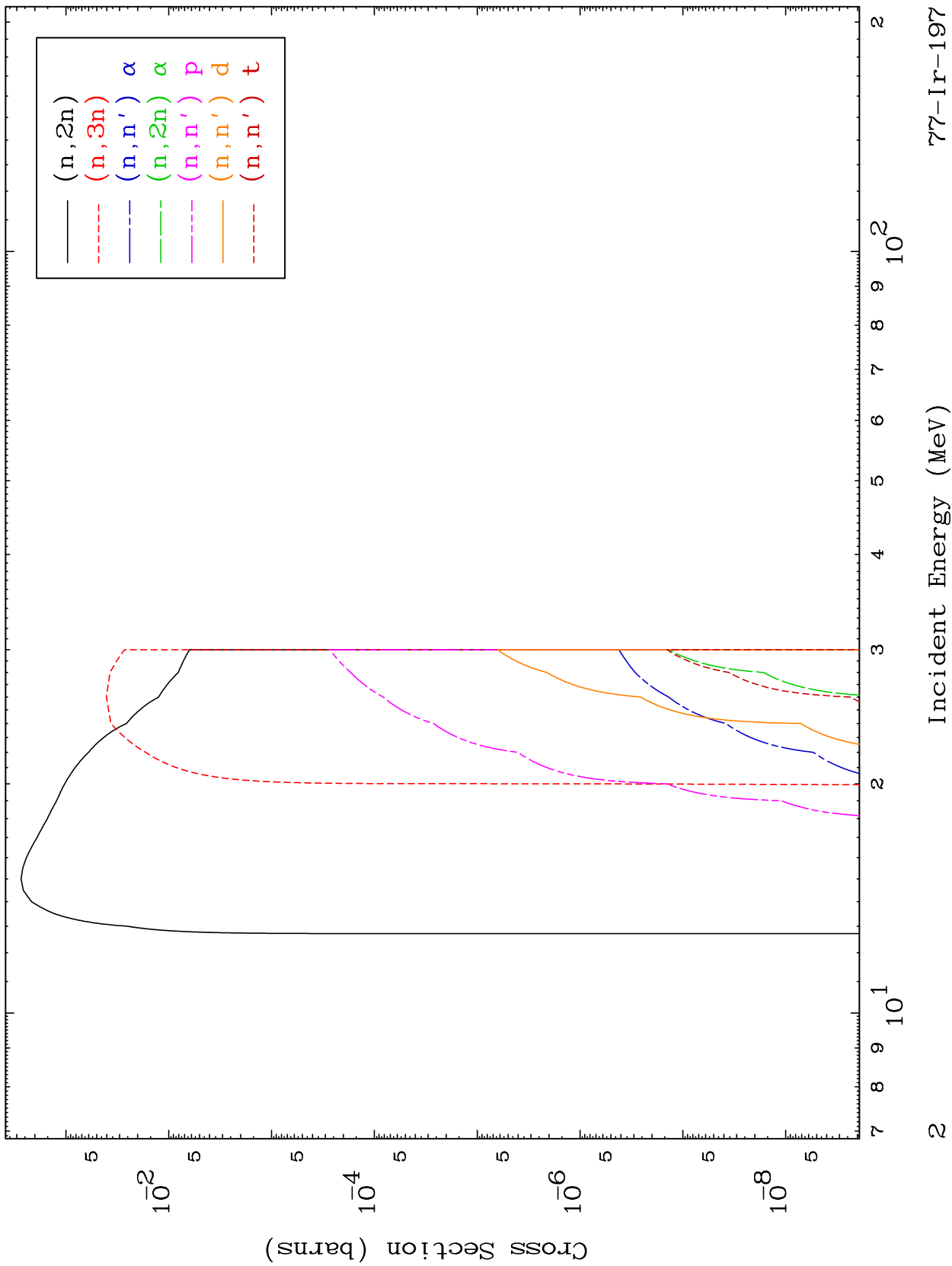
Tele: 925-443-1911

E-Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

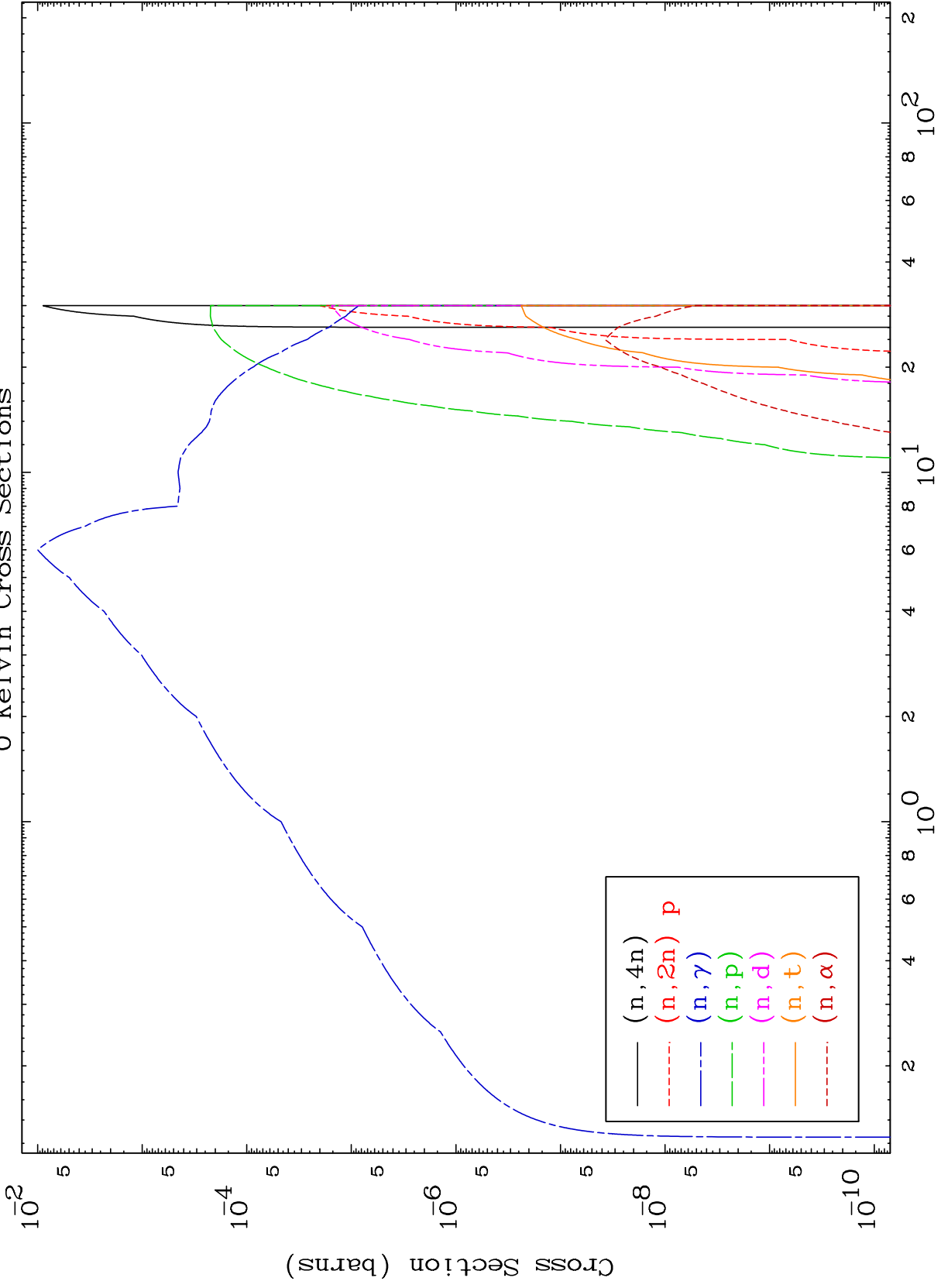




MAT 7743

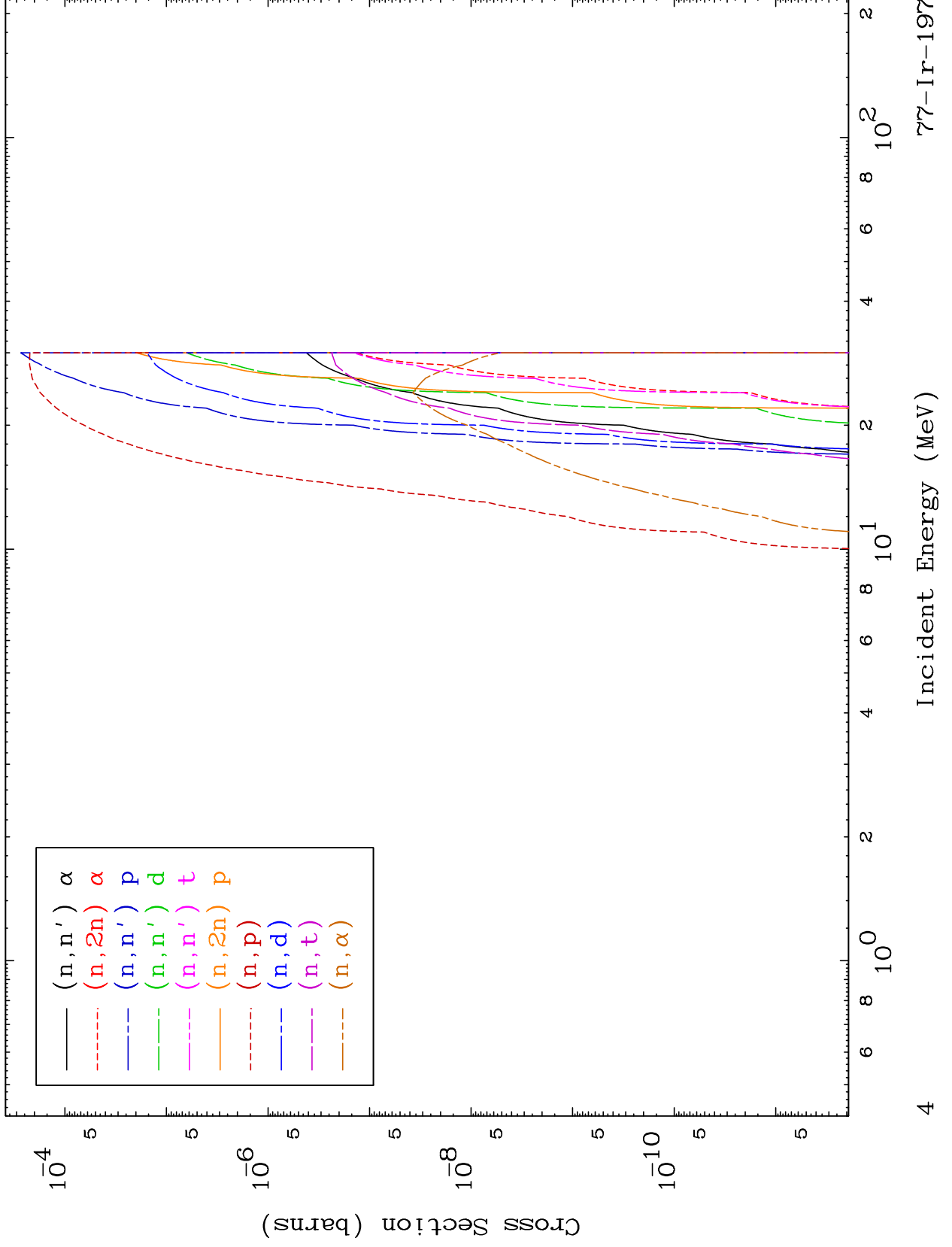
Photon Neutron Absorption
0 Kelvin Cross Sections

77-Ir-197



77-Ir-197

Incident Energy (MeV)

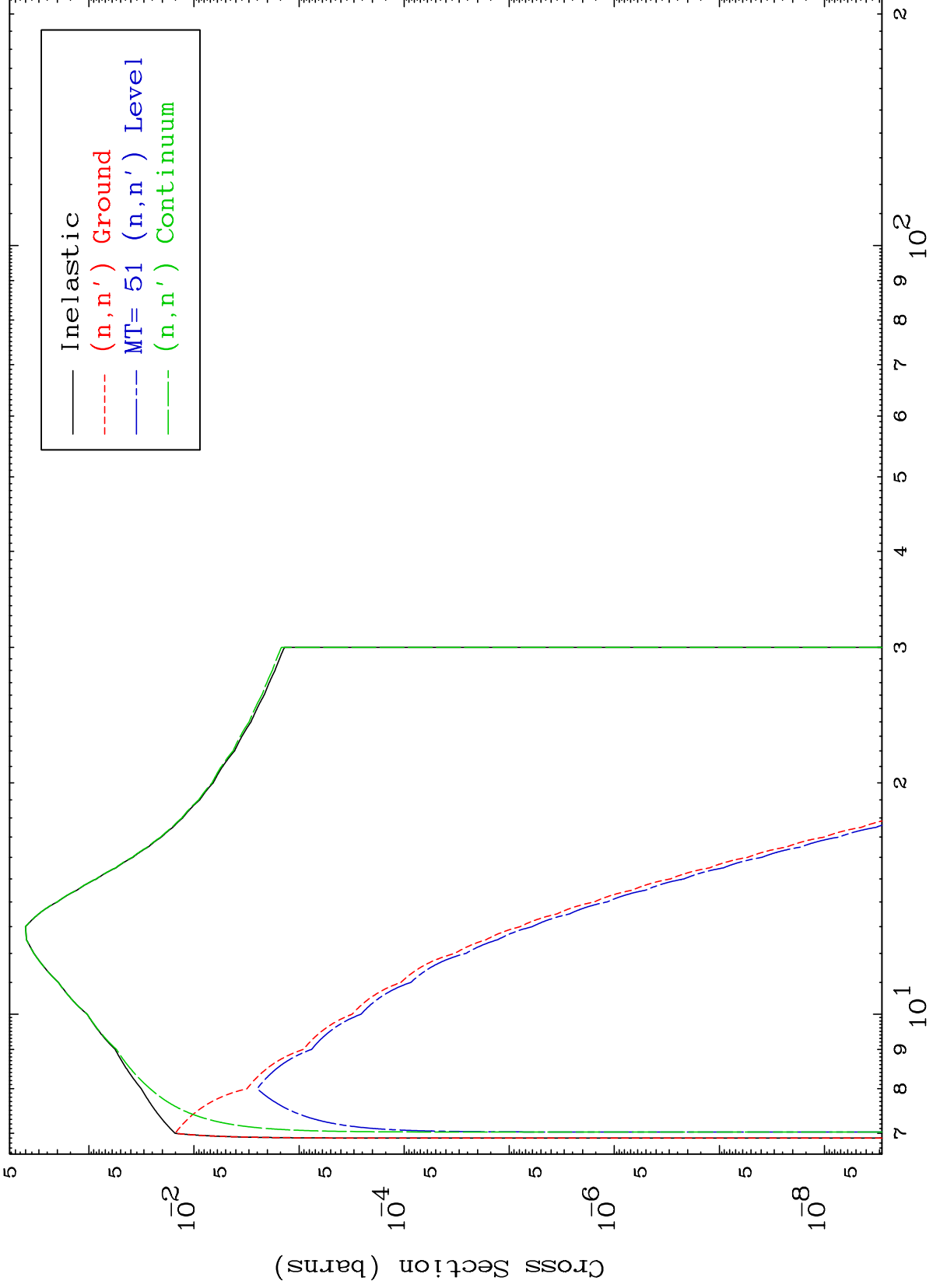


MAT 7743

(γ, n') Levels

77-Ir-197

0 Kelvin Cross Sections



5

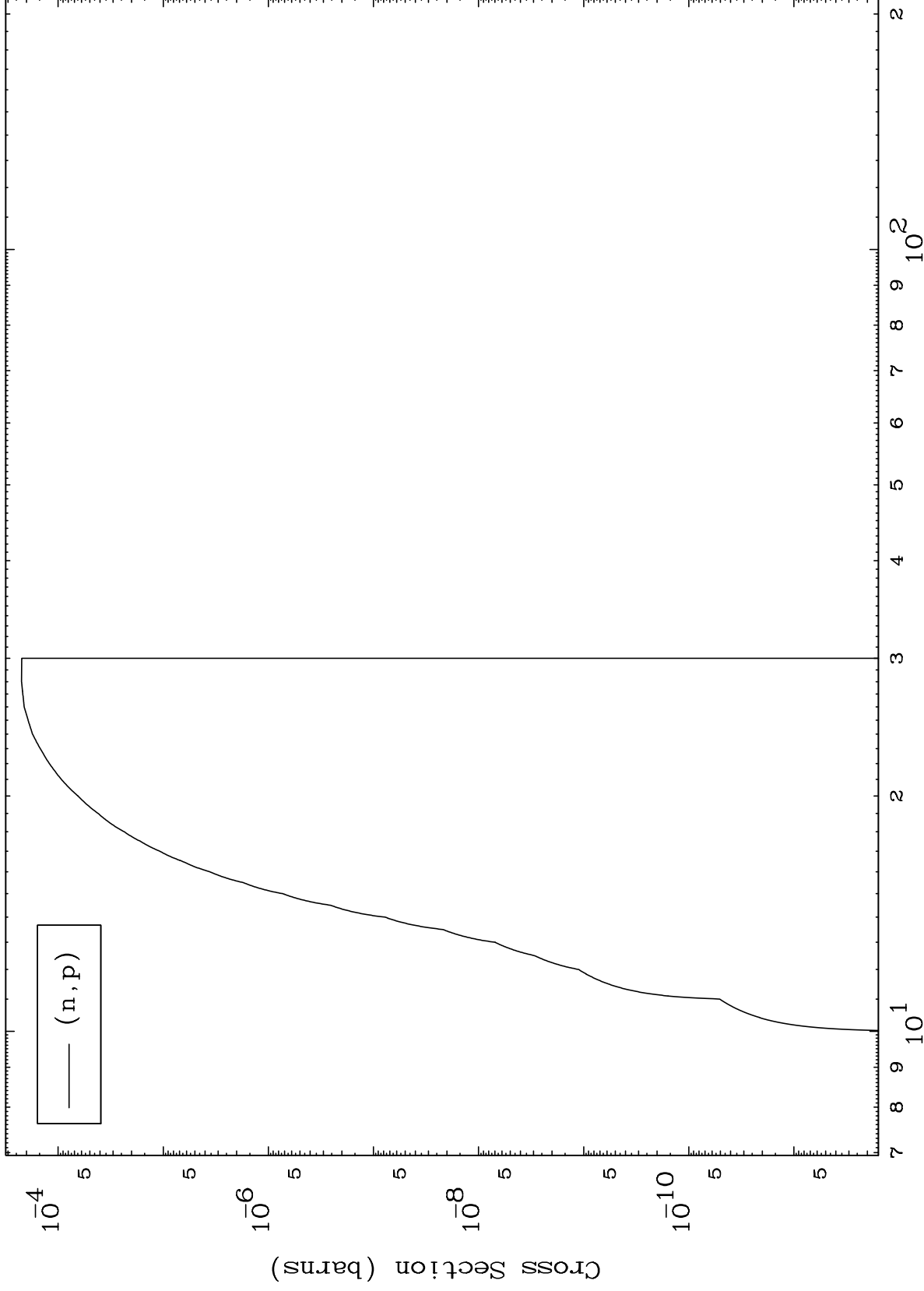
Incident Energy (MeV)

77-Ir-197

MAT 7743

(γ, p) Levels
0 Kelvin Cross Sections

77-Ir-197



Incident Energy (MeV)

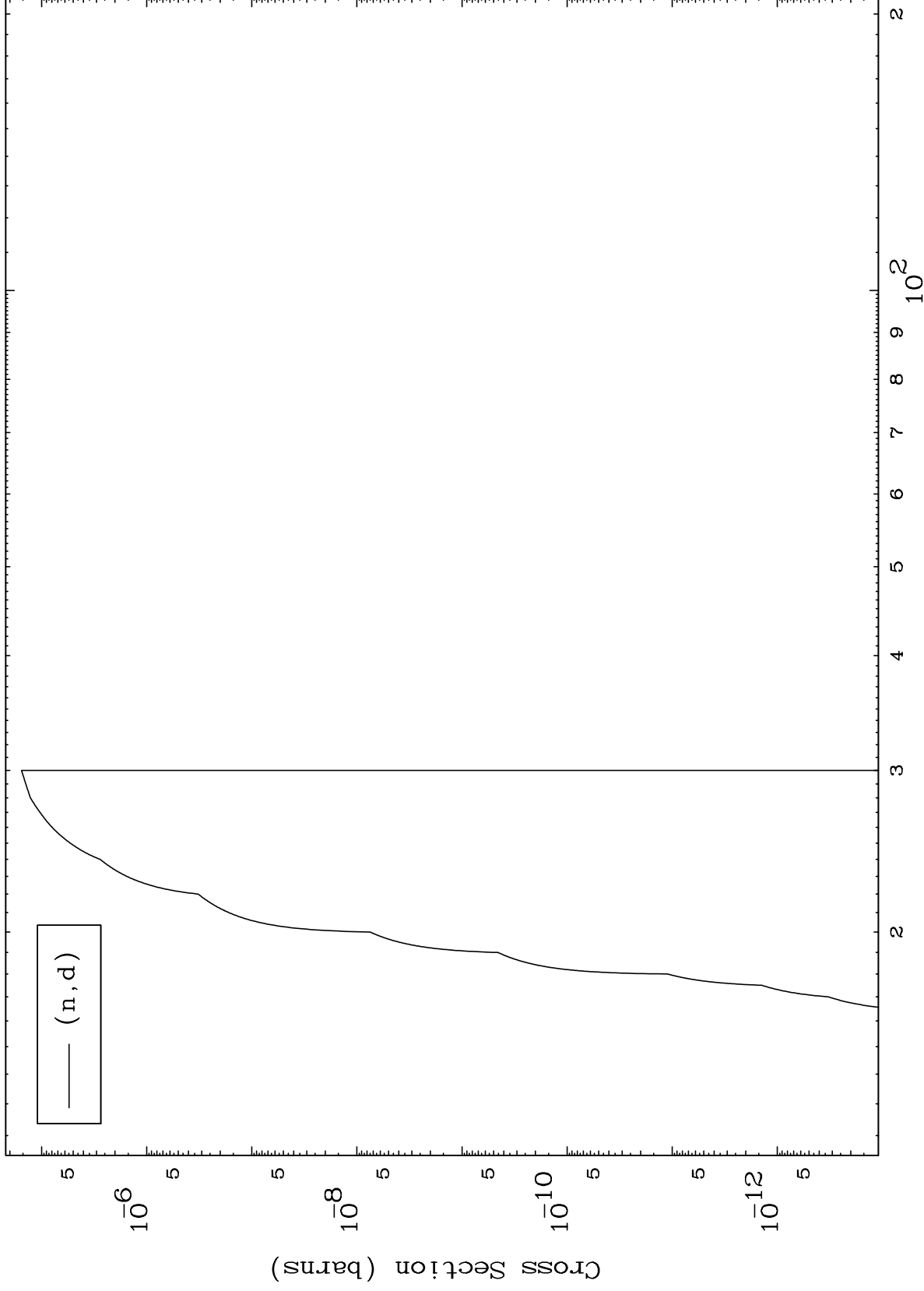
77-Ir-197

6

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(γ, d) Levels
0 Kelvin Cross Sections

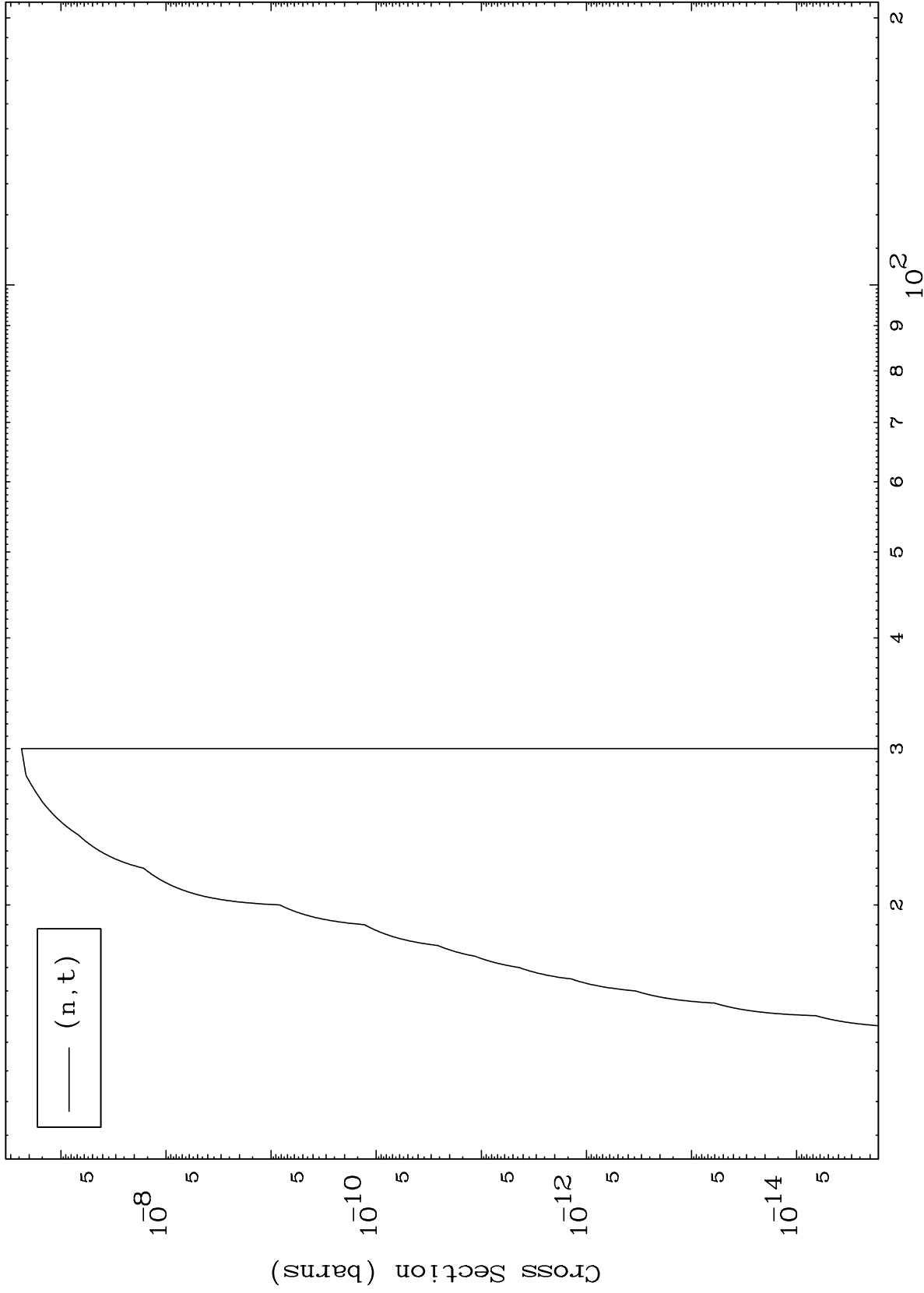
77-Ir-197



7

Incident Energy (MeV)

77-Ir-197

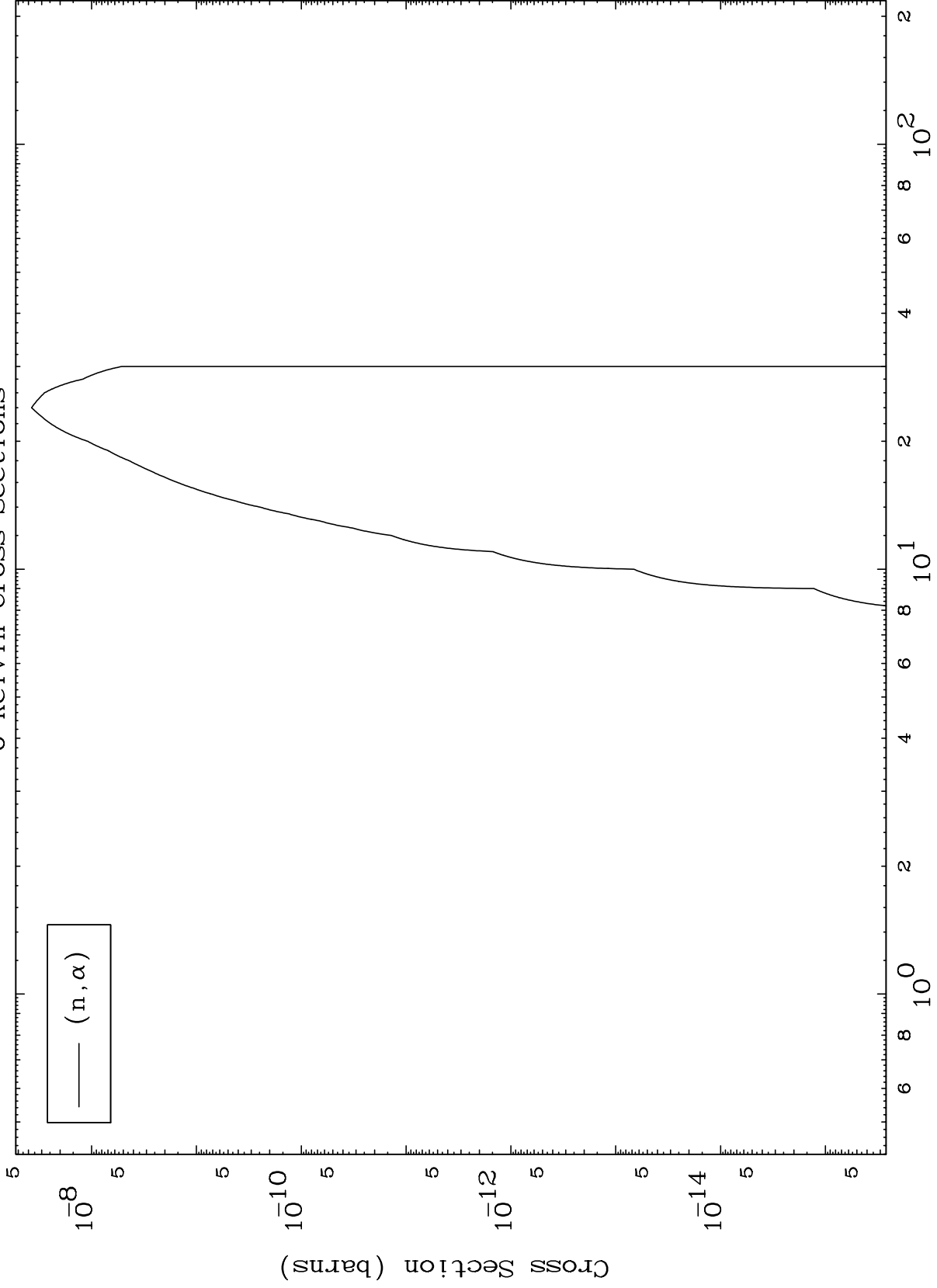


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(γ, α) Levels

77-Ir-197

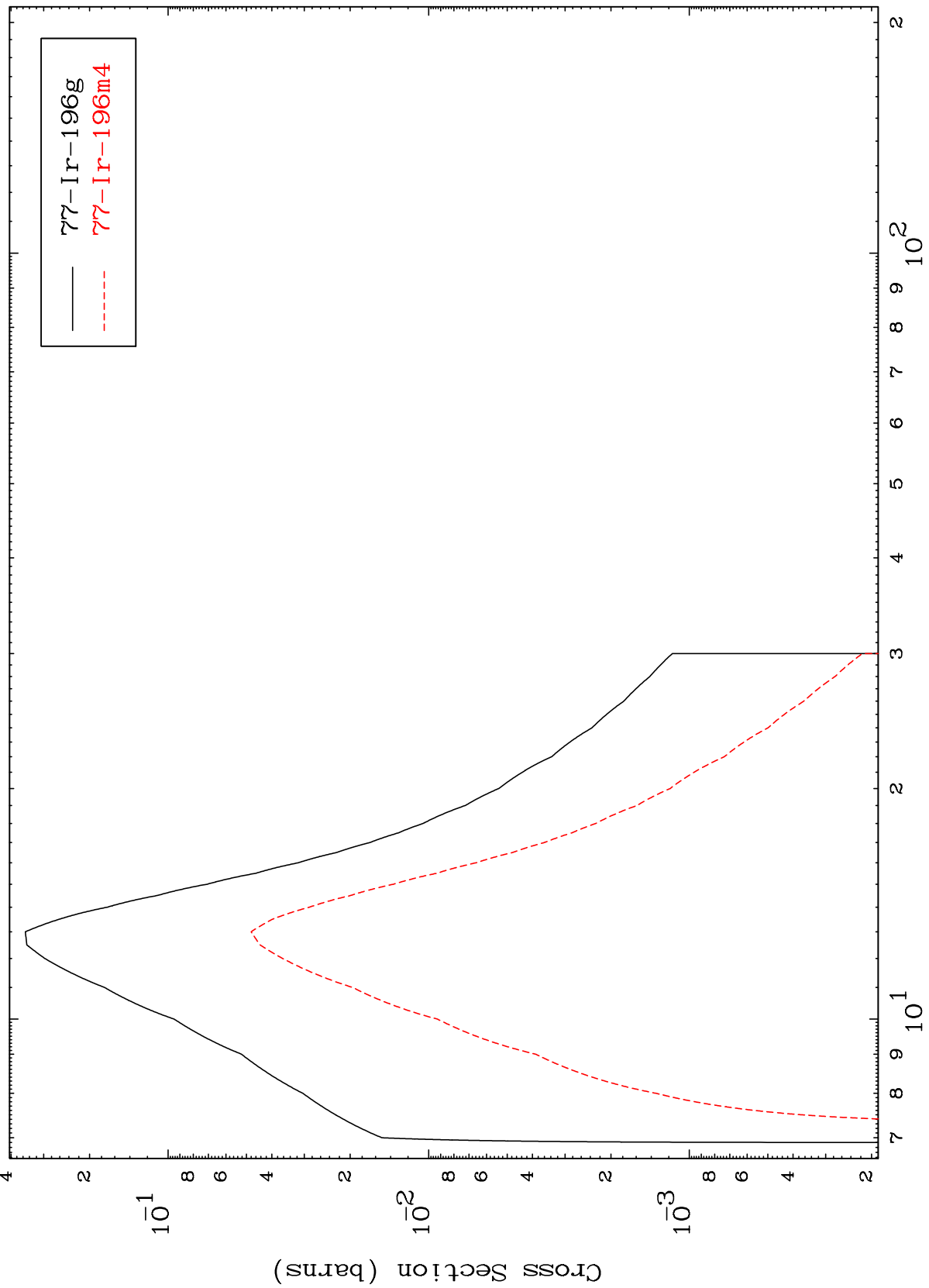
0 Kelvin Cross Sections



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77-Ir-197

Inelastic
Radionuclide Production Cross Section



77-Ir-197

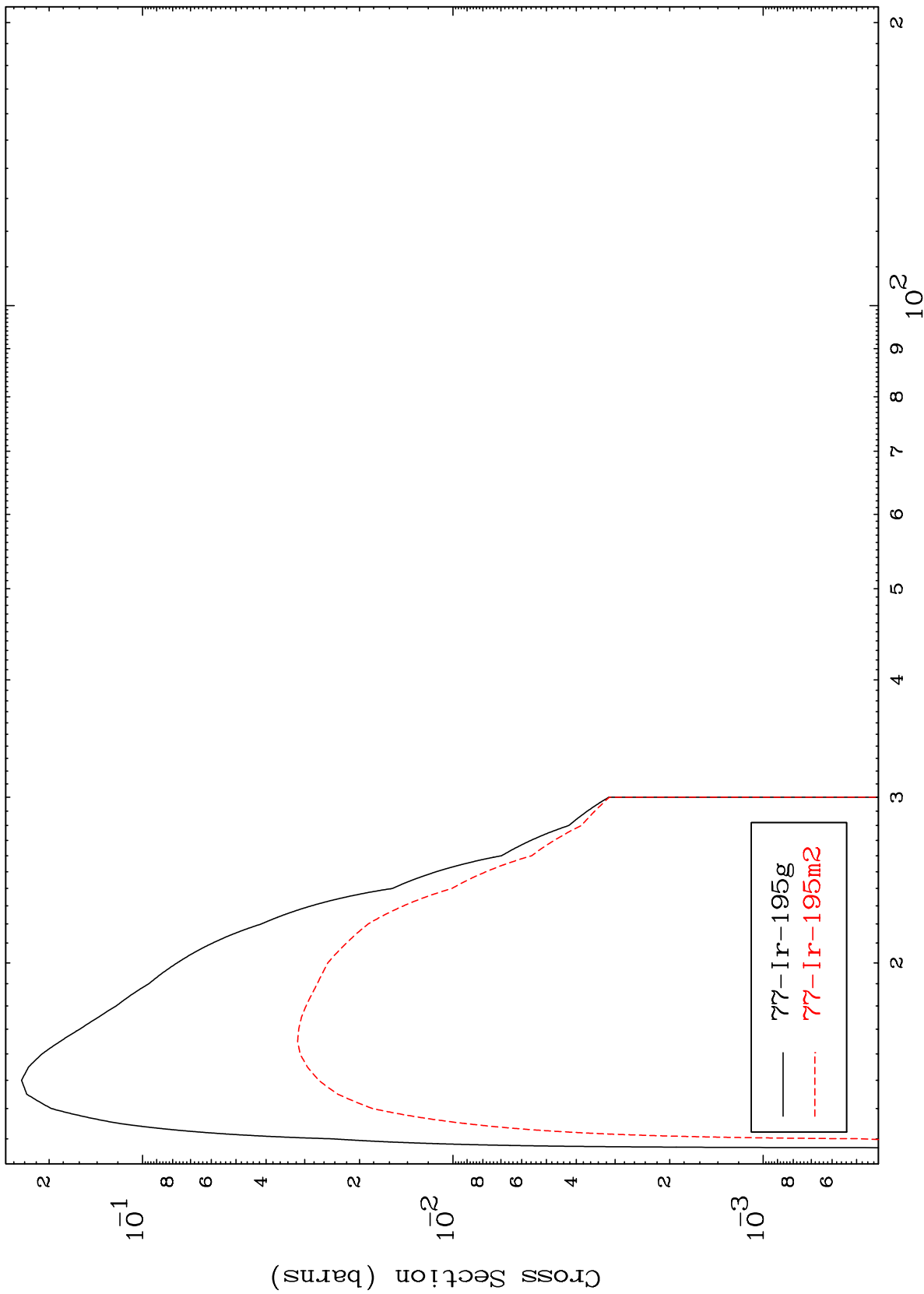
Incident Energy (MeV)

10

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⁷⁷Ir-197

(n,2n)
Radionuclide Production Cross Section



⁷⁷Ir-197

Incident Energy (MeV)

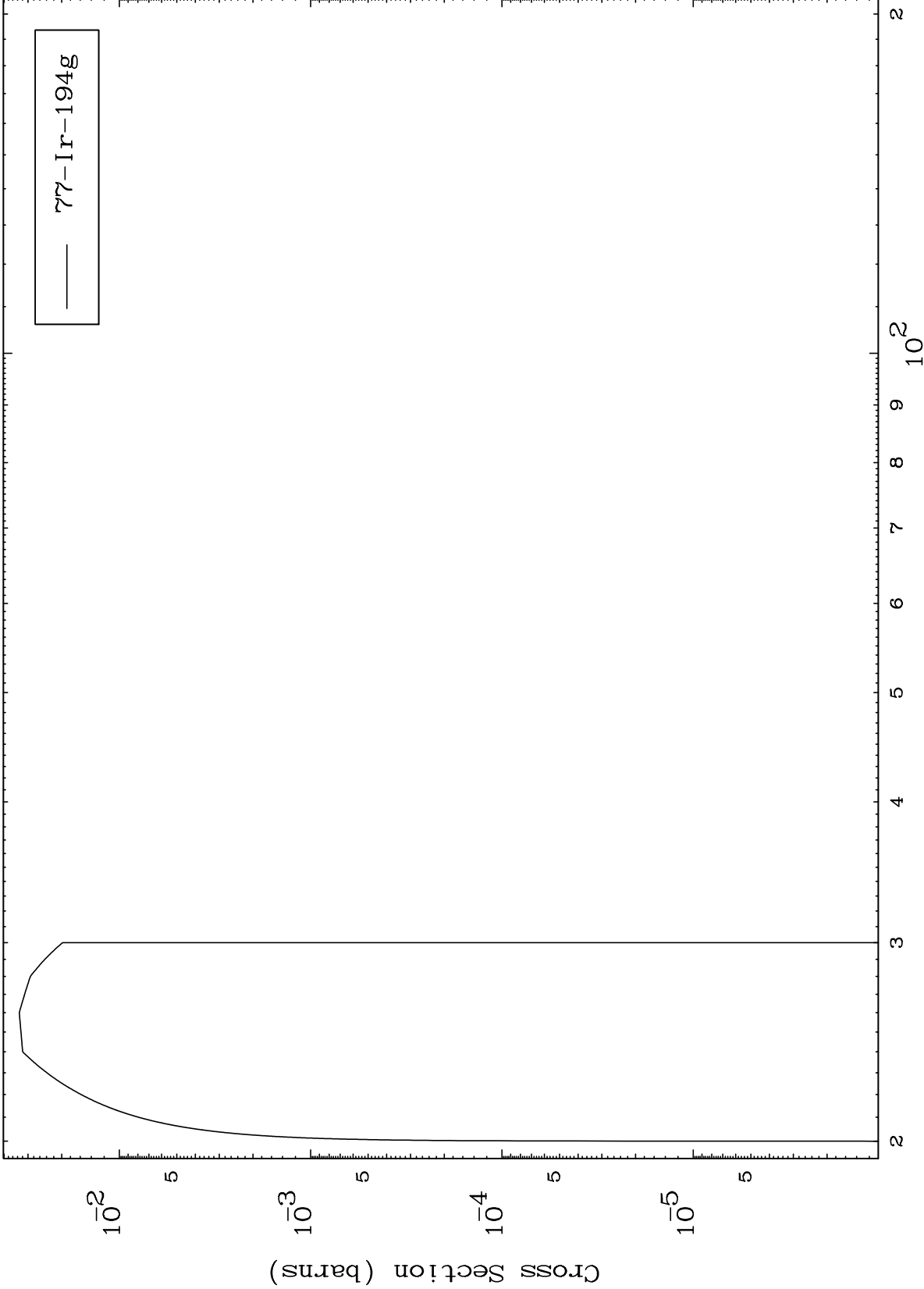
11

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(n,3n)

77-Ir-197

Radionuclide Production Cross Section



12

Incident Energy (MeV)

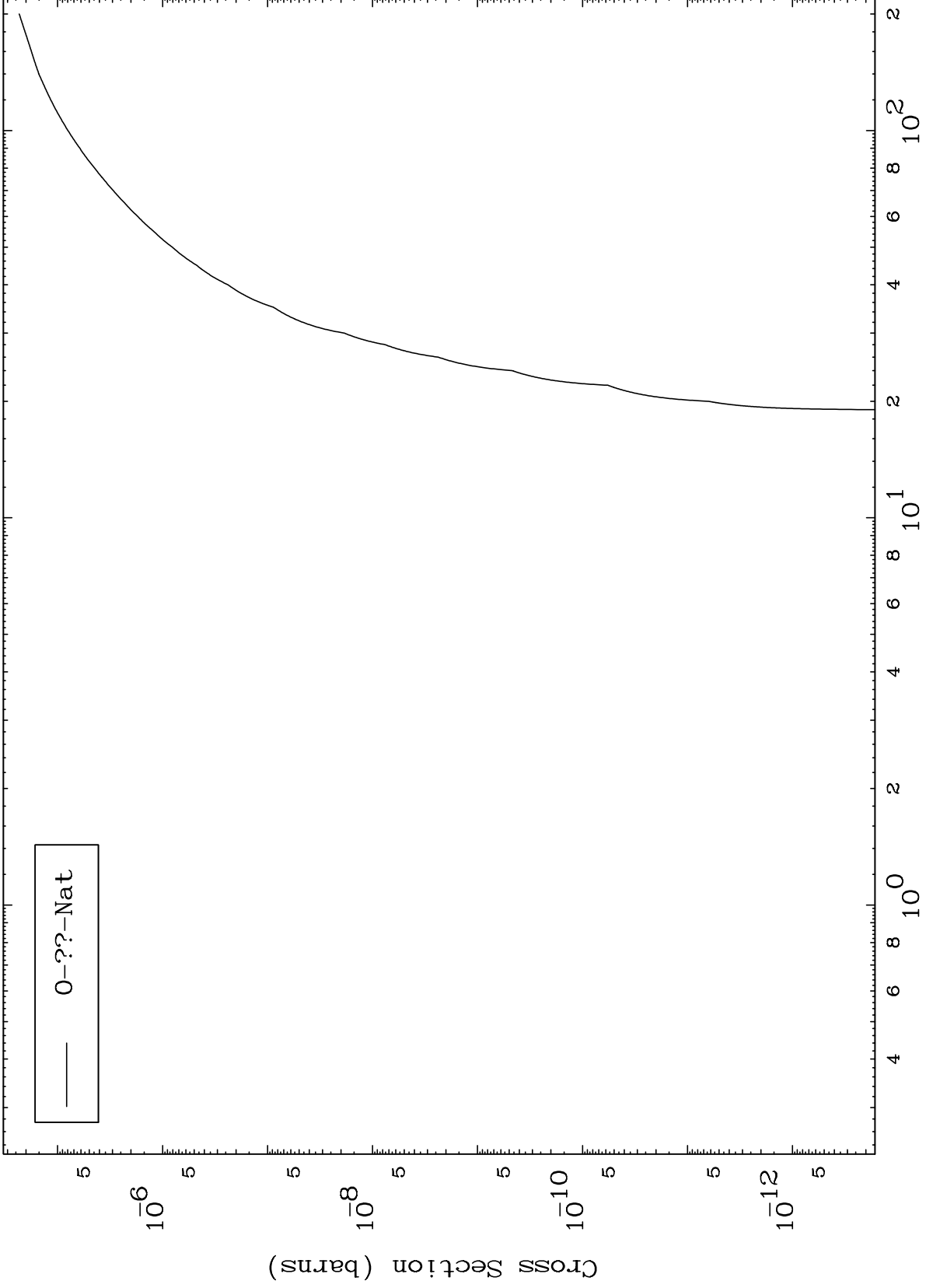
77-Ir-197

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Fission

77-Ir-197

Radionuclide Production Cross Section



13

Incident Energy (MeV)

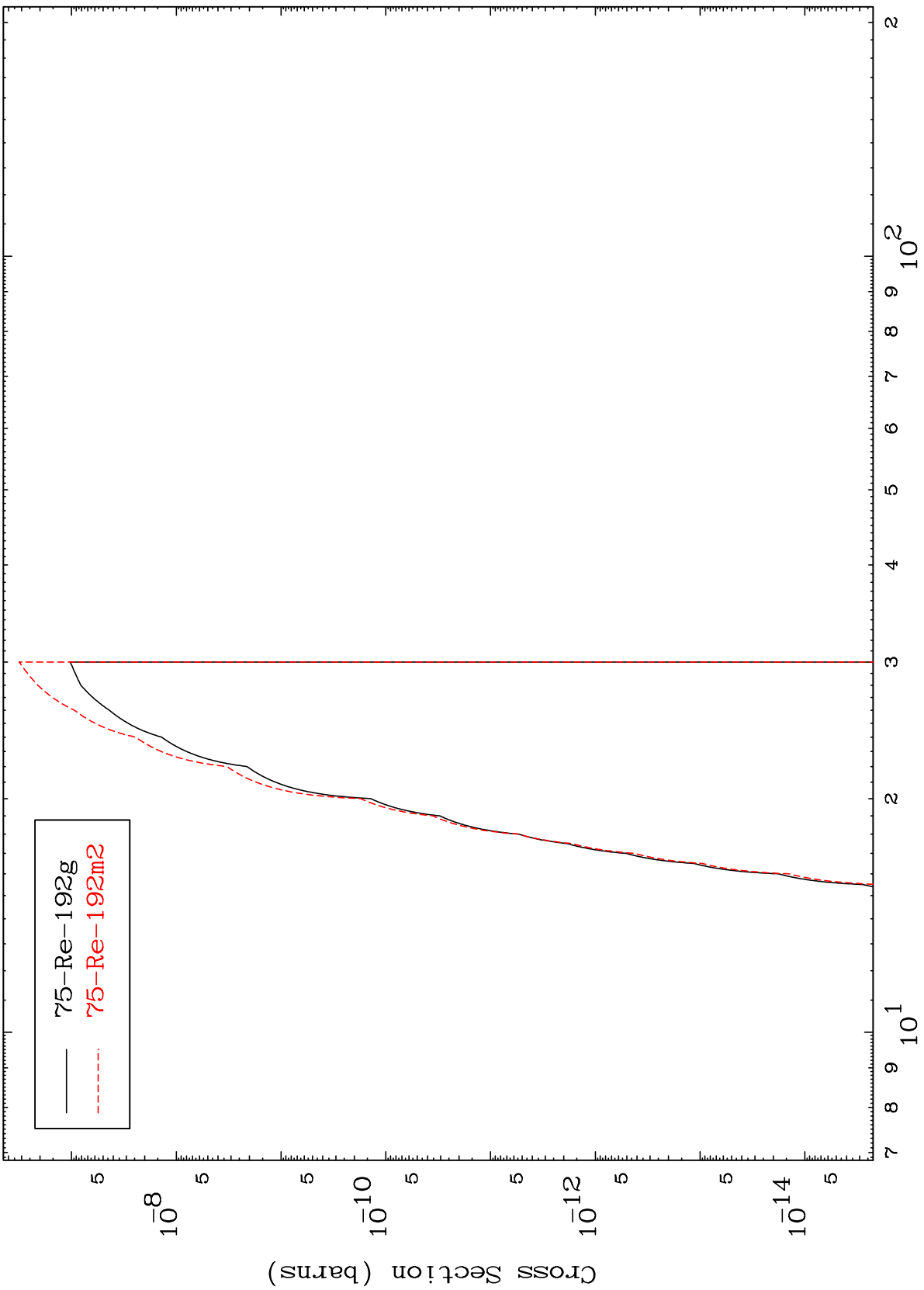
77-Ir-197

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$(n, n') \alpha$

77-Ir-197

Radionuclide Production Cross Section



14

Incident Energy (MeV)

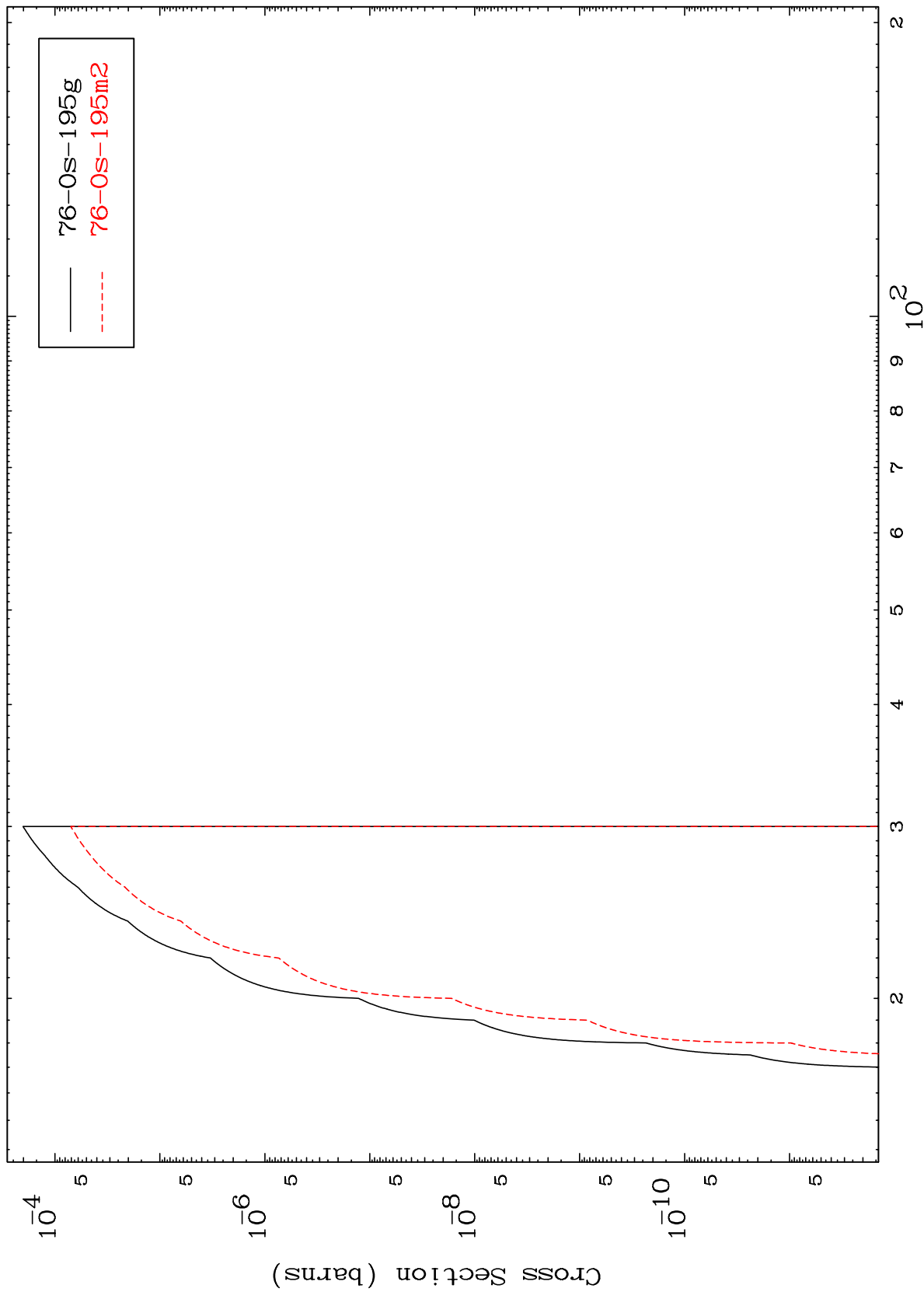
77-Ir-197

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(n,n') p

77-Ir-197

Radionuclide Production Cross Section



15

Incident Energy (MeV)

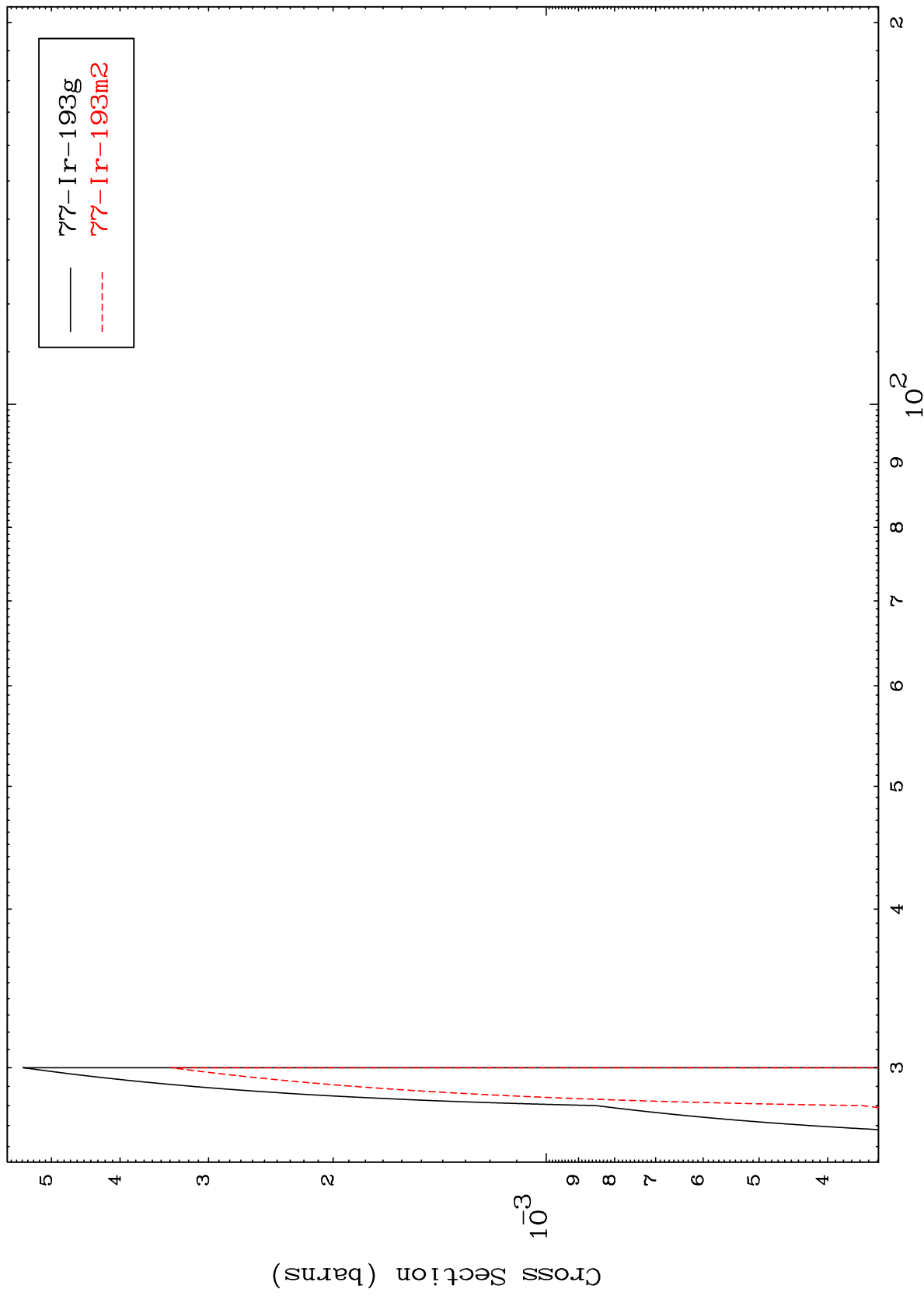
77-Ir-197

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77-Ir-197

(n,4n)

Radionuclide Production Cross Section



16

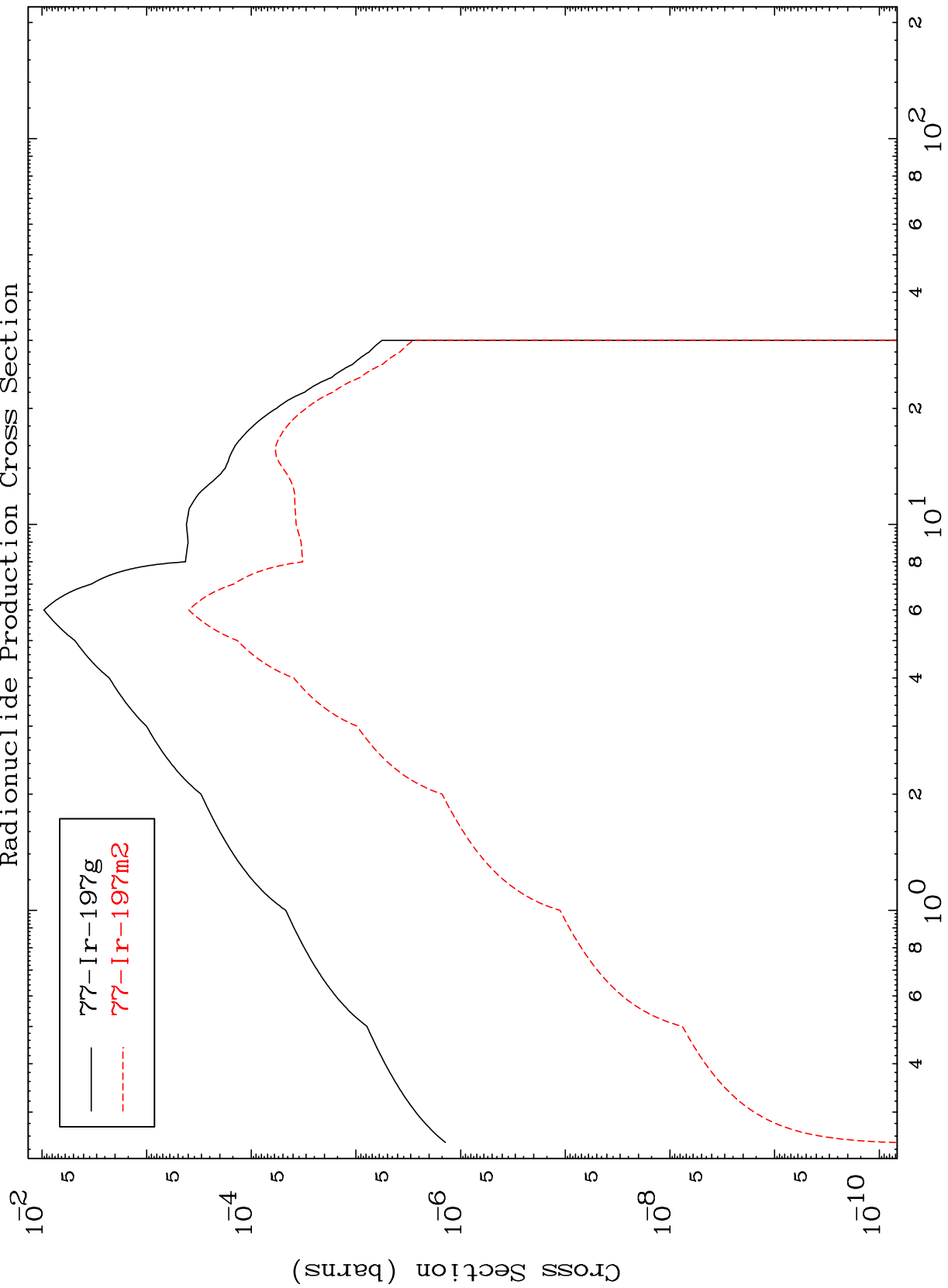
Incident Energy (MeV)

77-Ir-197

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⁷⁷Ir-197

(n,γ)
Radionuclide Production Cross Section



— ⁷⁷Ir-197g
- - - ⁷⁷Ir-197m2

17

Incident Energy (MeV)

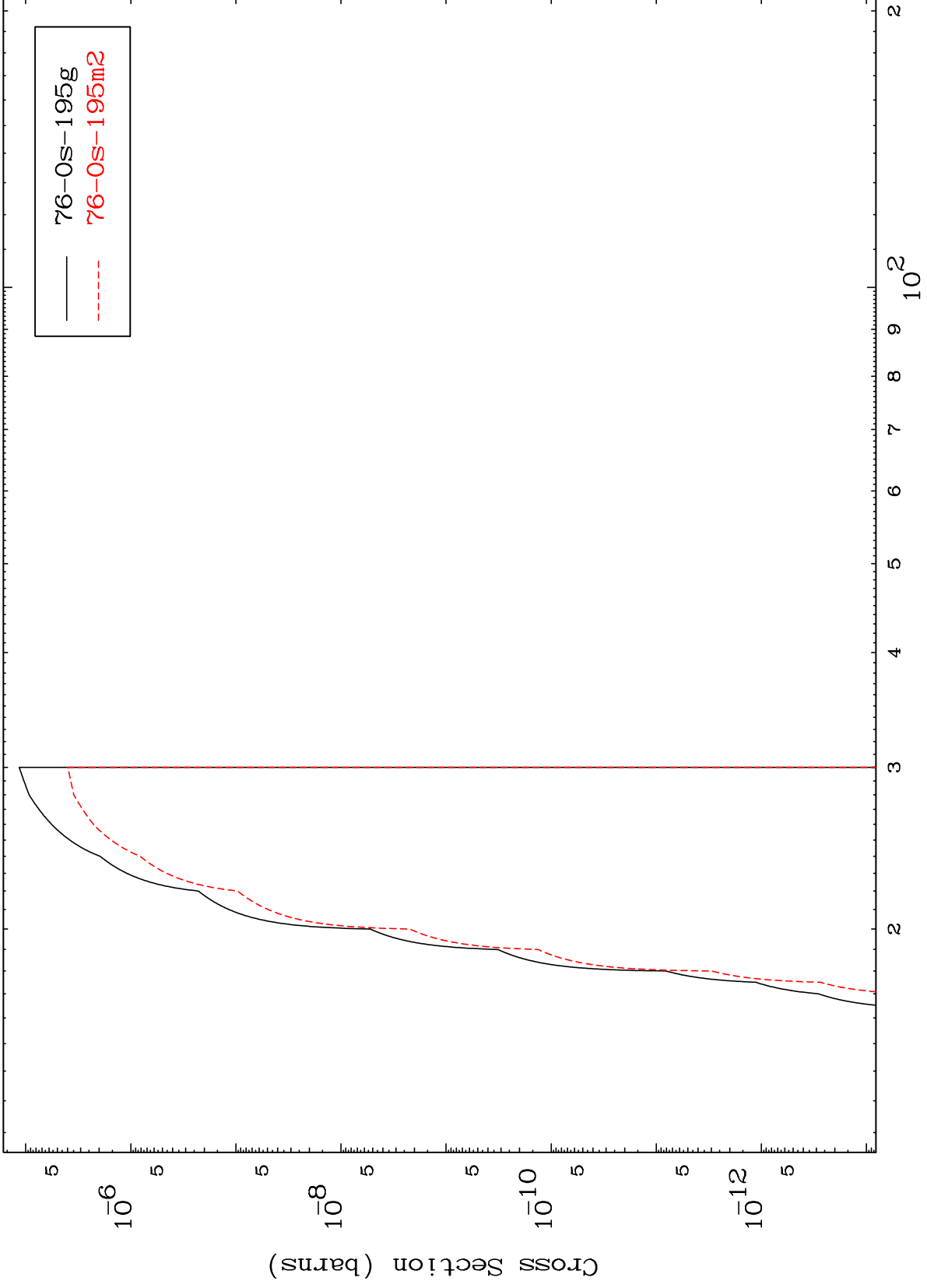
⁷⁷Ir-197

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(n,d)

77-Ir-197

Radionuclide Production Cross Section



18

Incident Energy (MeV)

77-Ir-197