

Program EVALPLOT
(Version 2021-1)

by

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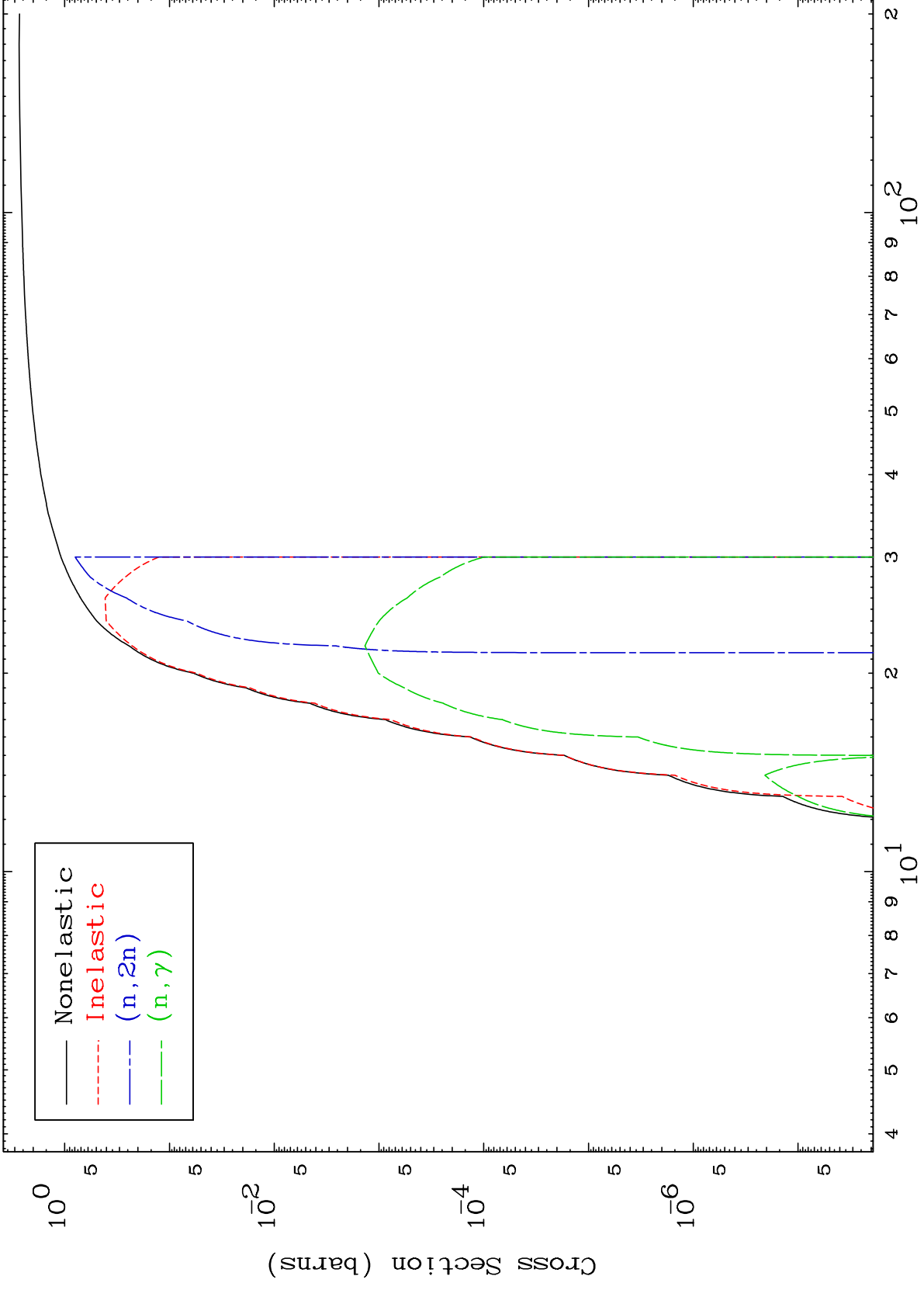
Press Mouse Button to Start

MAT 8016

α Major

80-Hg-193

0 Kelvin Cross Sections



Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

1

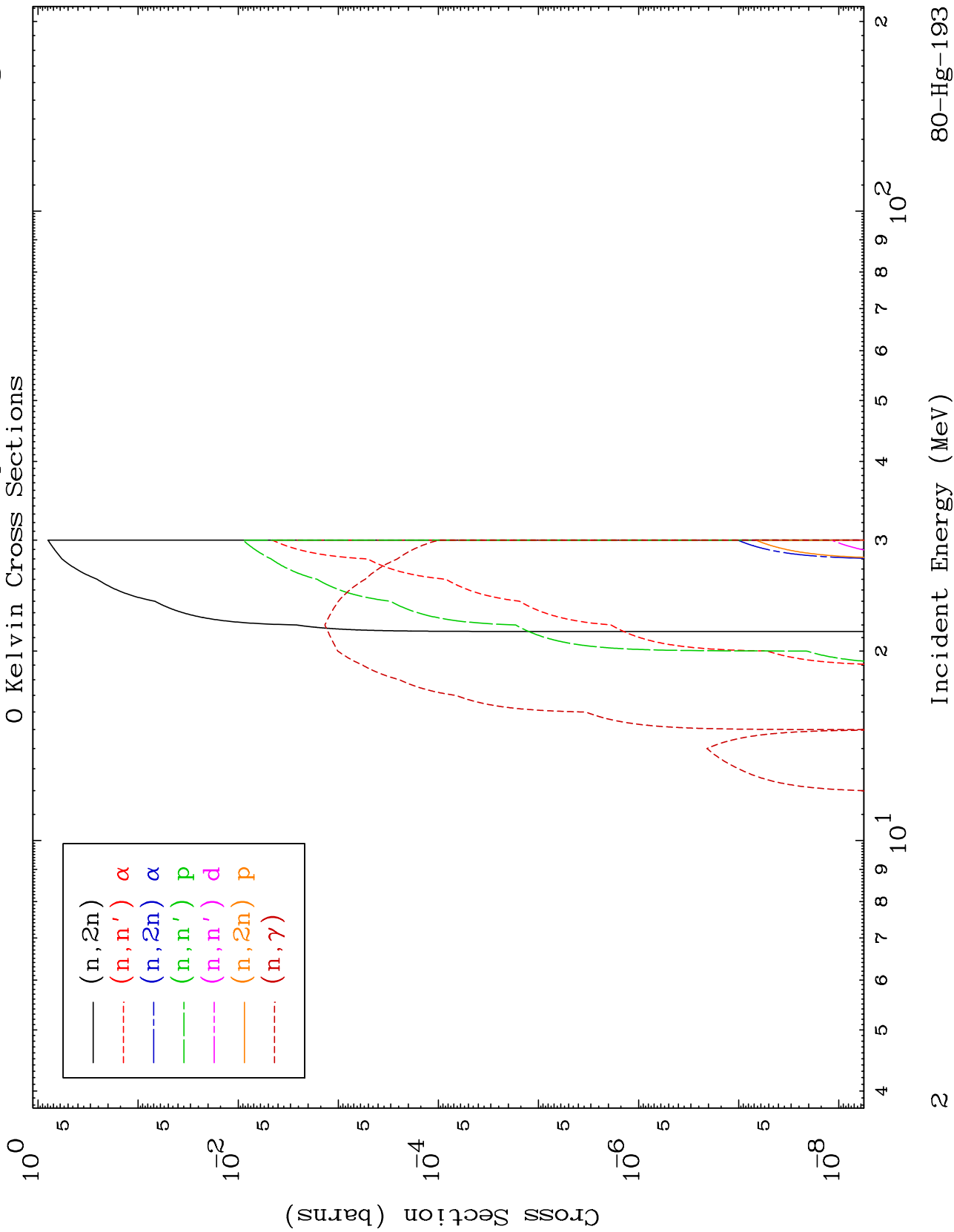
Incident Energy (MeV)

80-Hg-193

MAT 8016

α Neutron Absorption

80-Hg-193



2

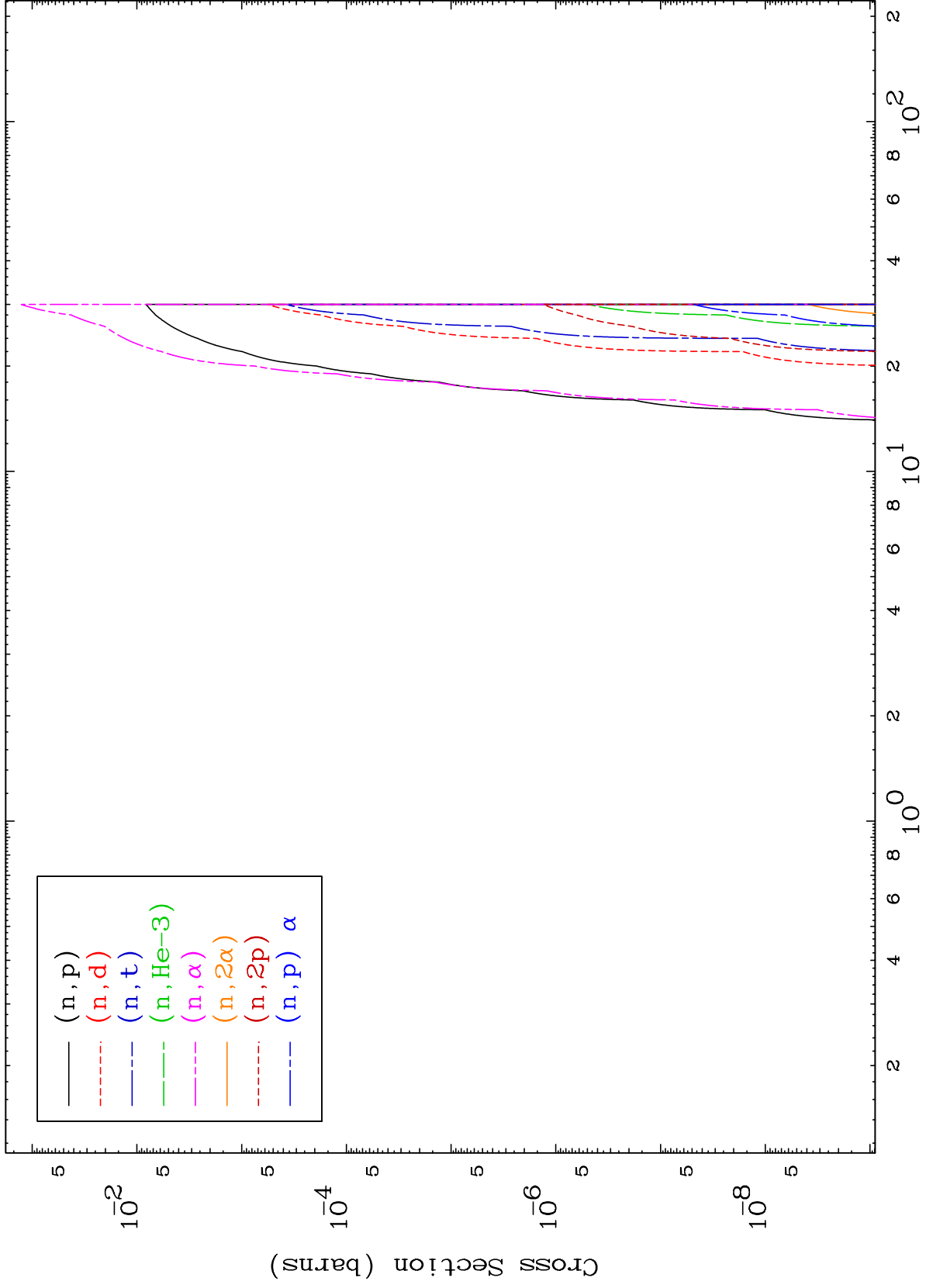
Incident Energy (MeV)

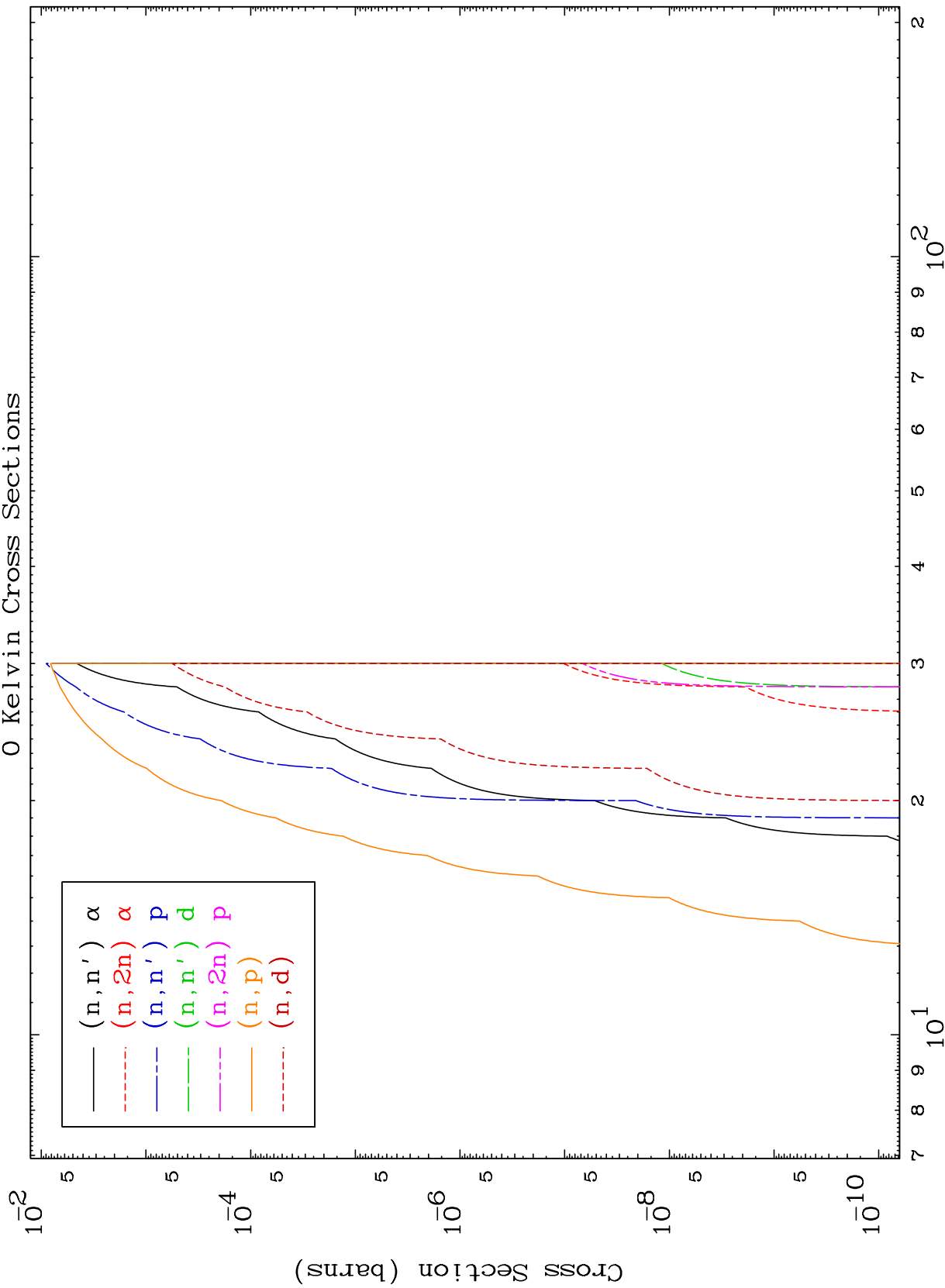
80-Hg-193

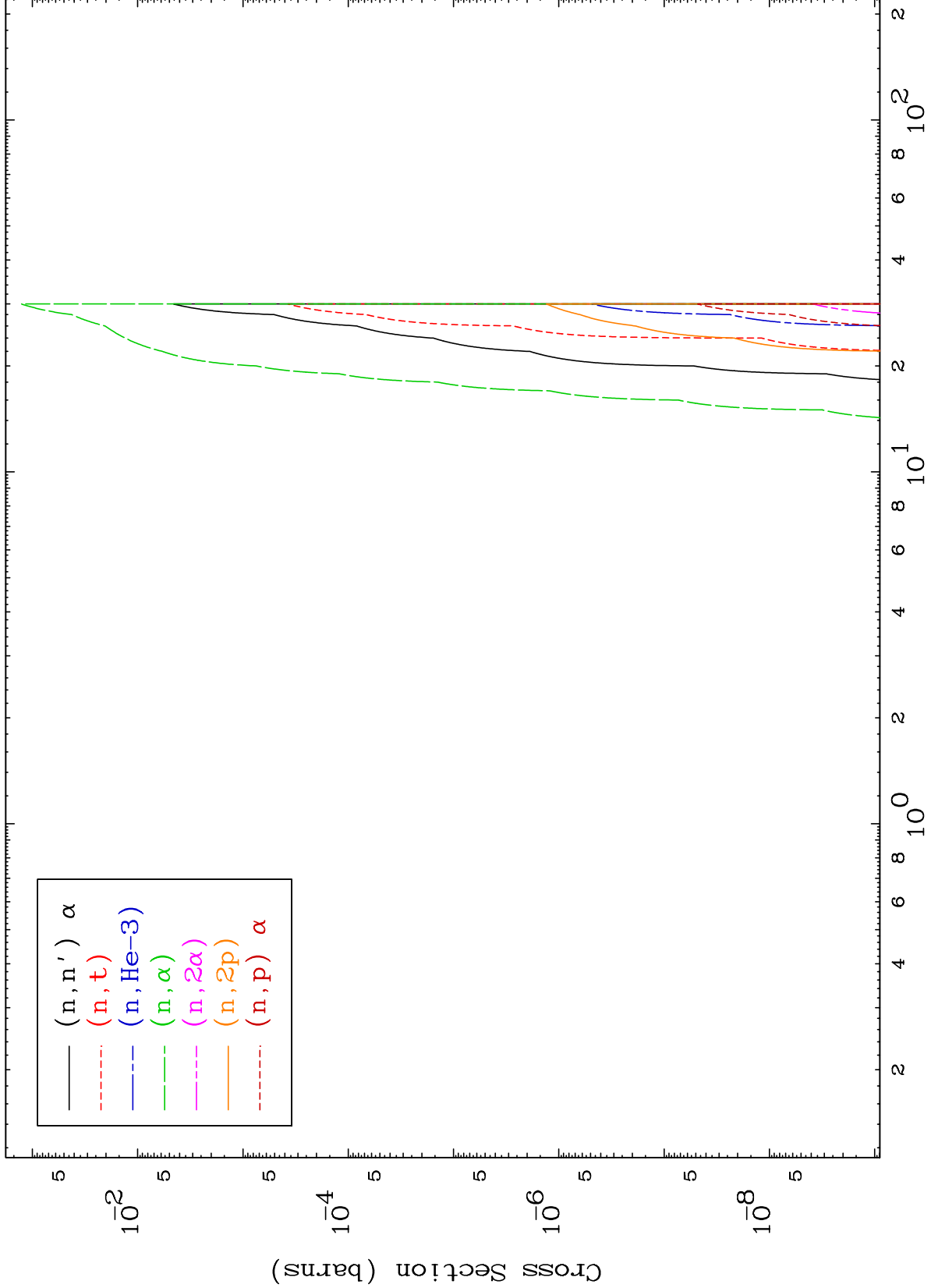
MAT 8016

α Neutron Absorption
0 Kelvin Cross Sections

80-Hg-193



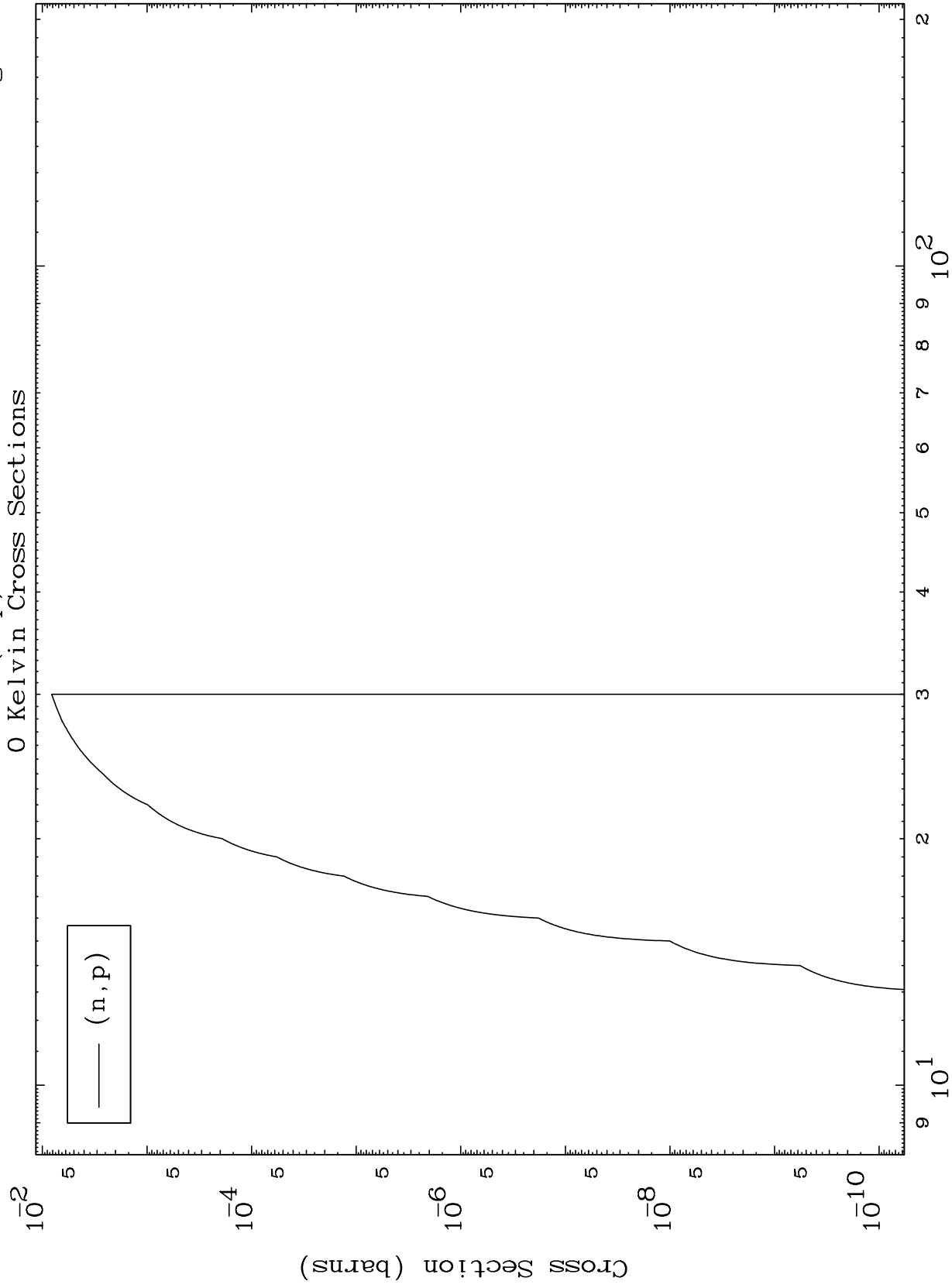




MAT 8016

(α, p) Levels

80-Hg-193



Incident Energy (MeV)

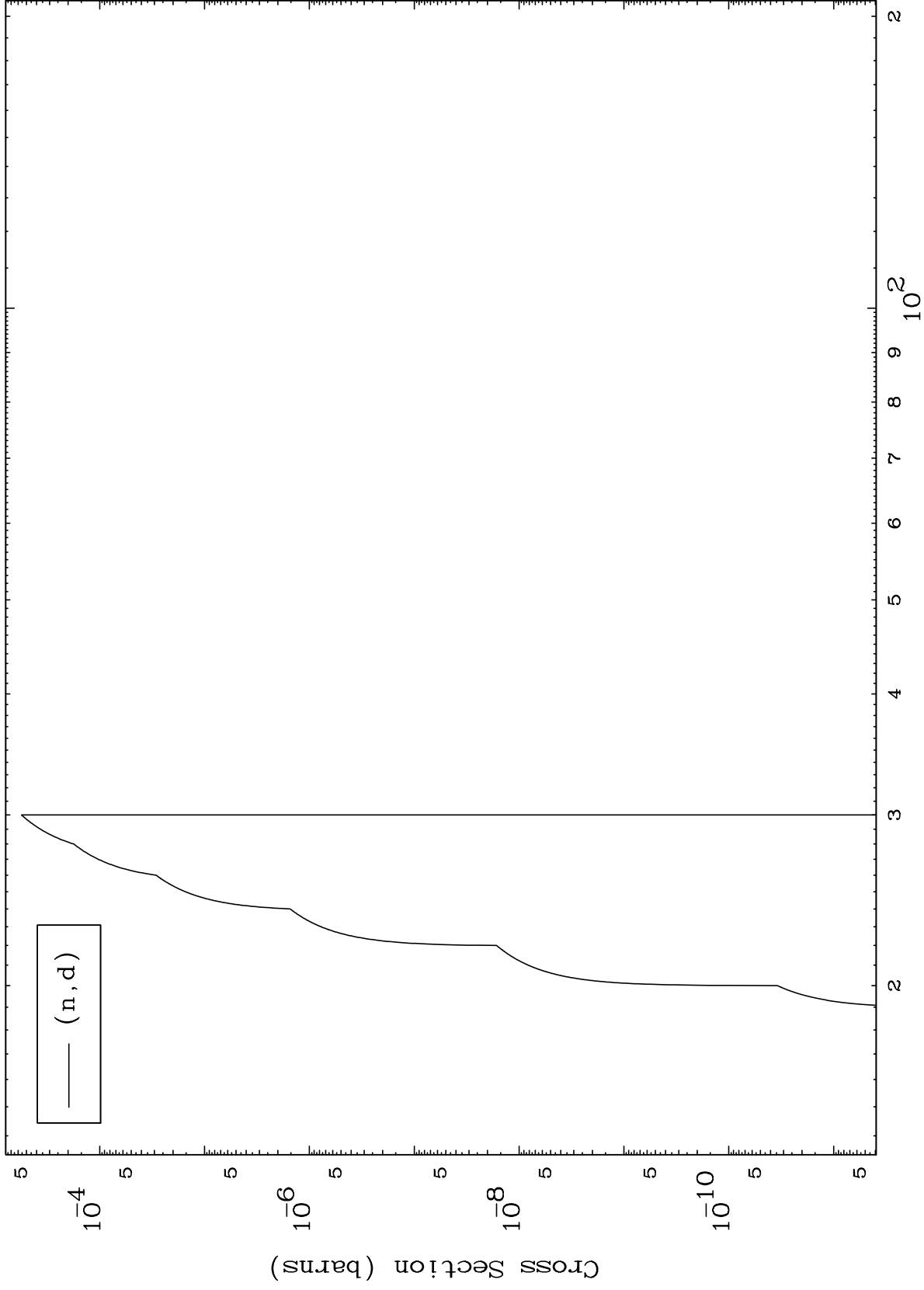
80-Hg-193

6

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(α, d) Levels
0 Kelvin Cross Sections

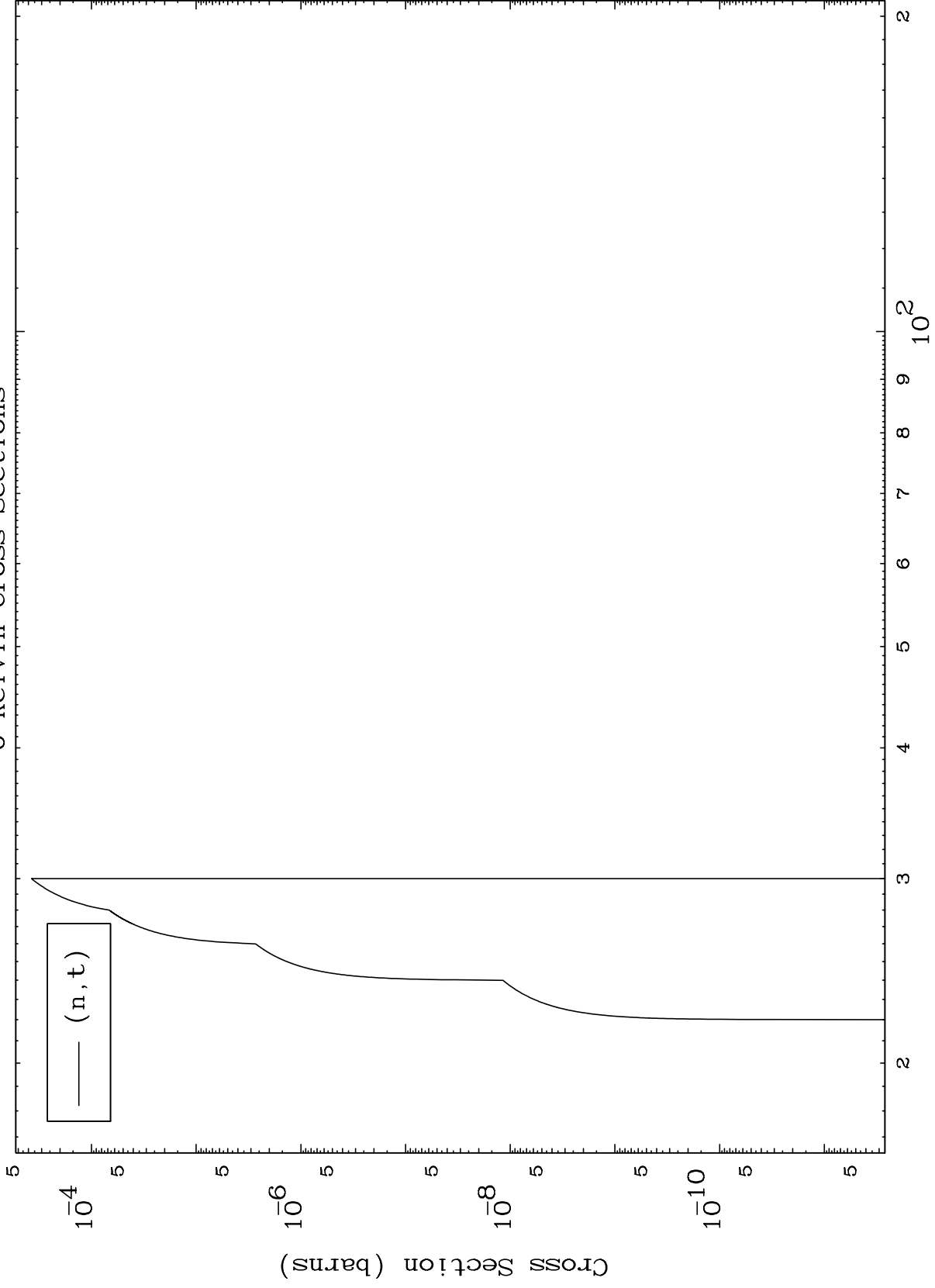
80-Hg-193



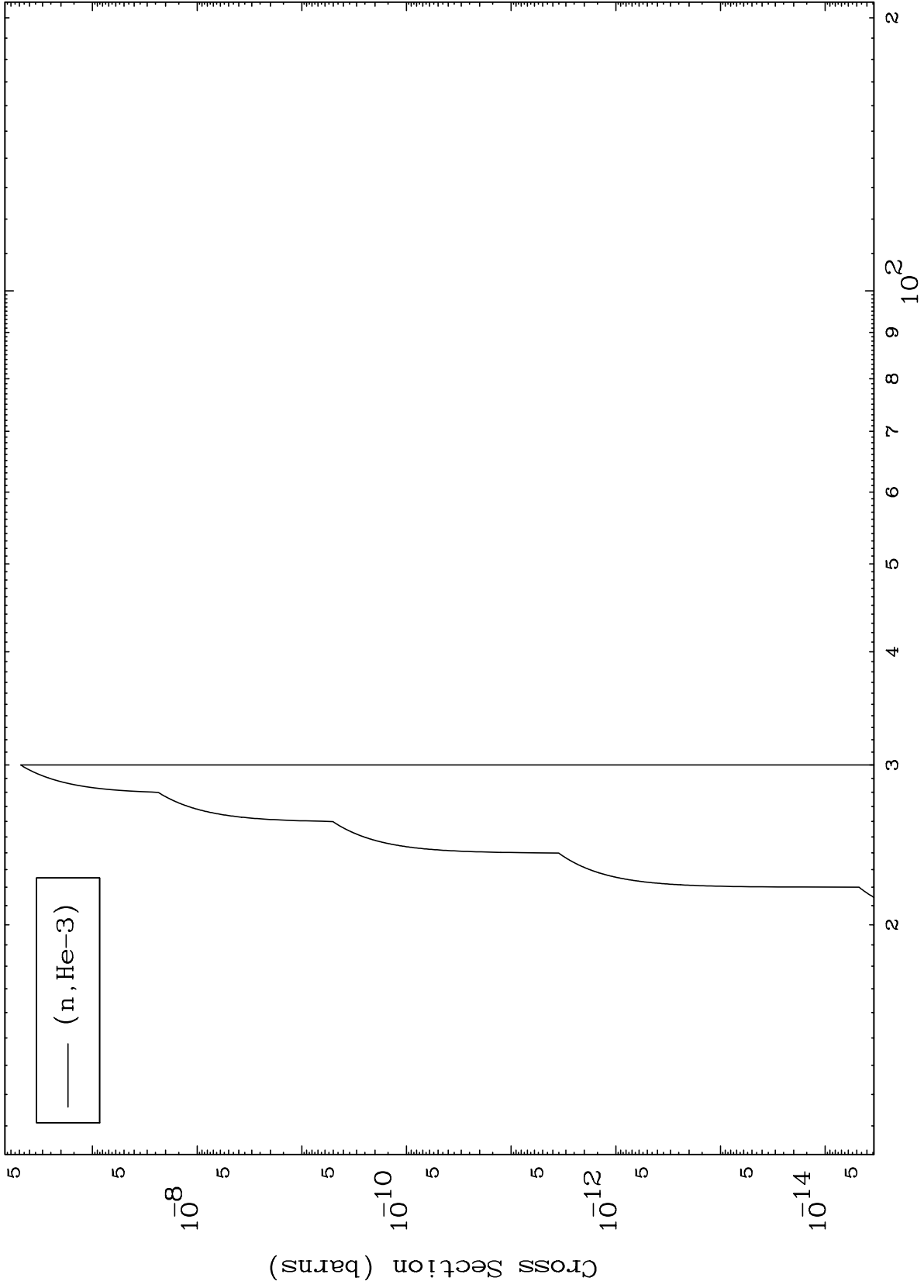
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(α, t) Levels
0 Kelvin Cross Sections

80-Hg-193



($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections

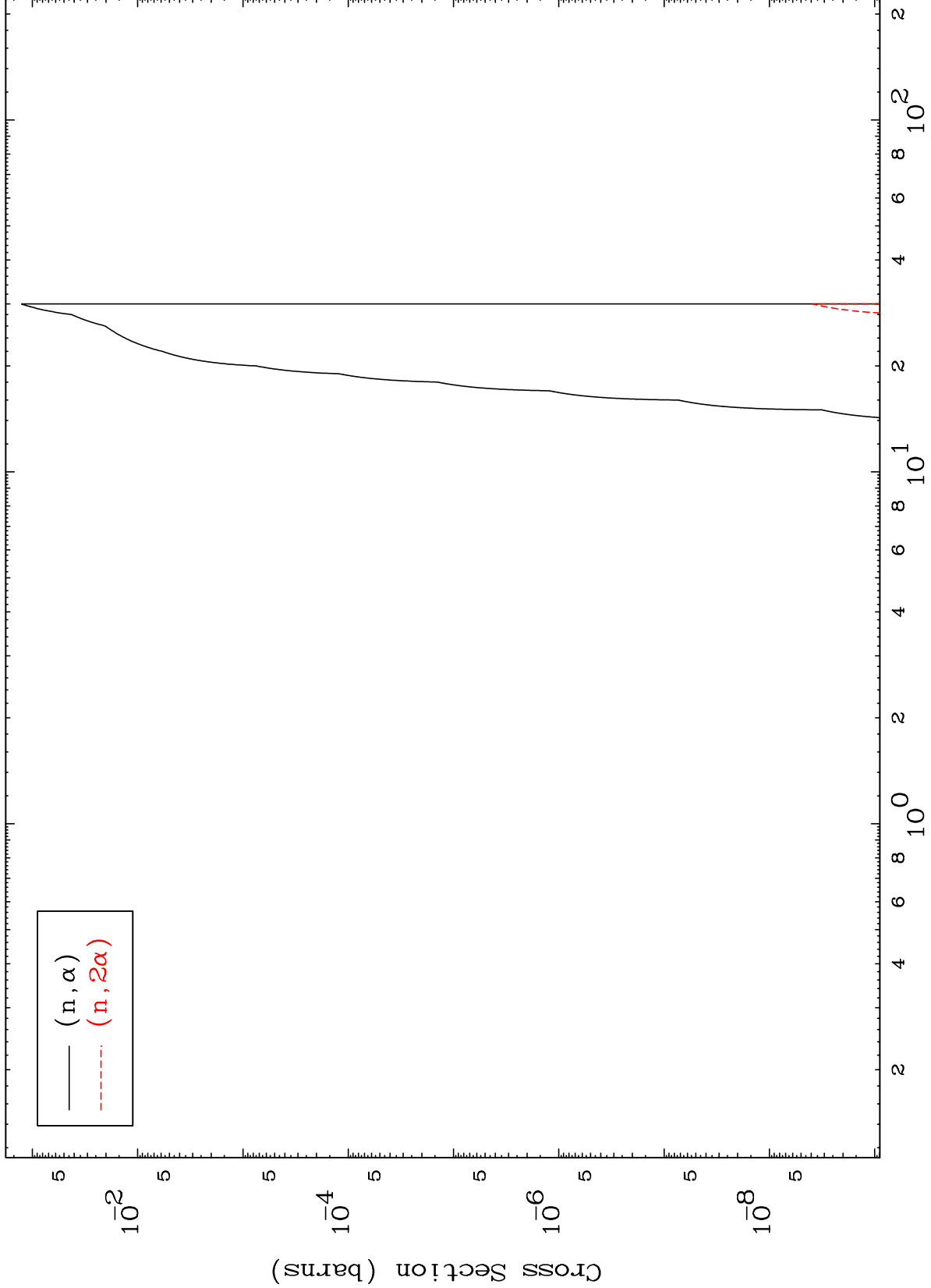


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(α, α) Levels

80-Hg-193

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

Incident Energy (MeV)

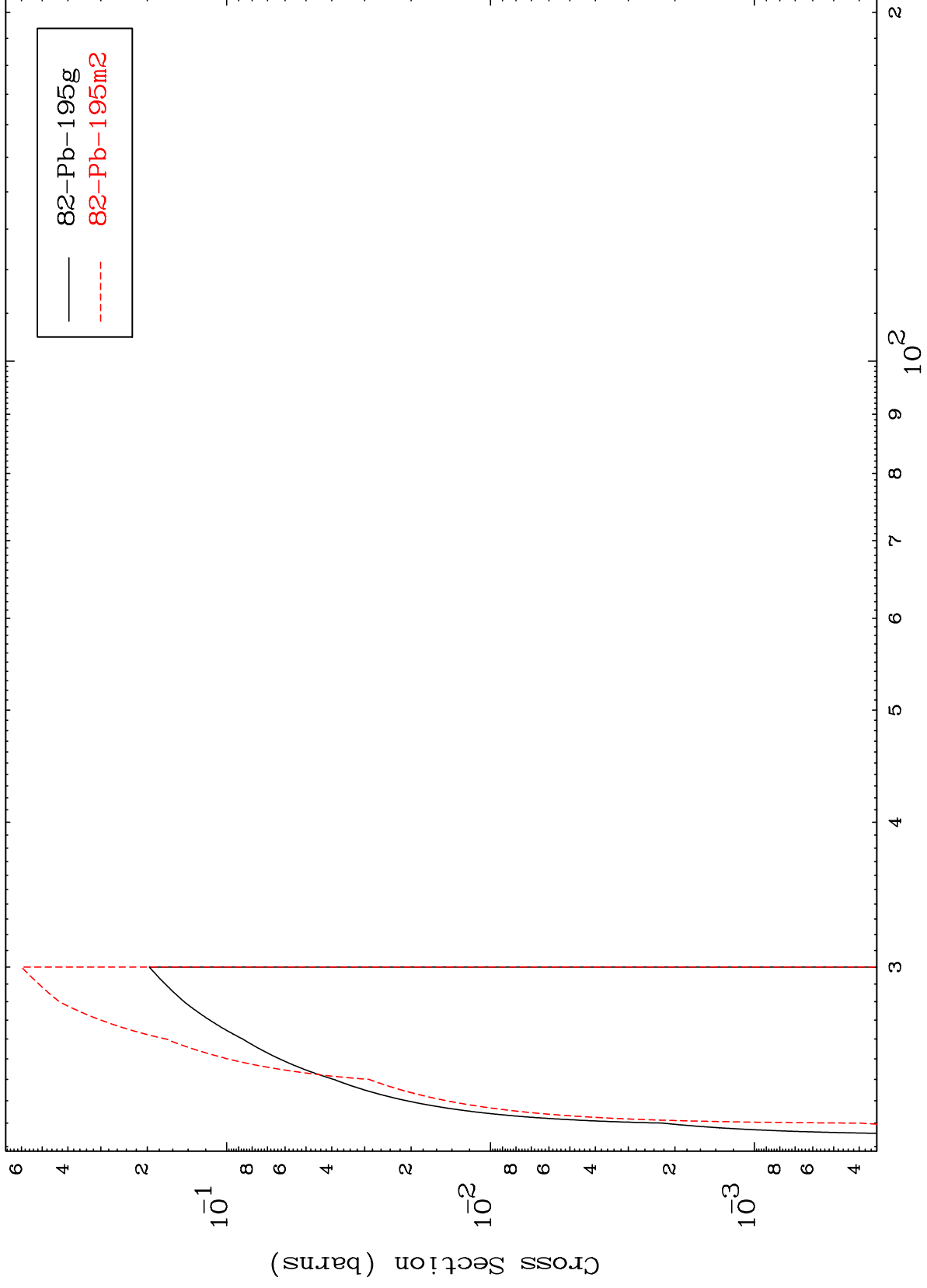
80-Hg-193

MAT 8016

(n,2n)

80-Hg-193

Radionuclide Production Cross Section



11

Incident Energy (MeV)

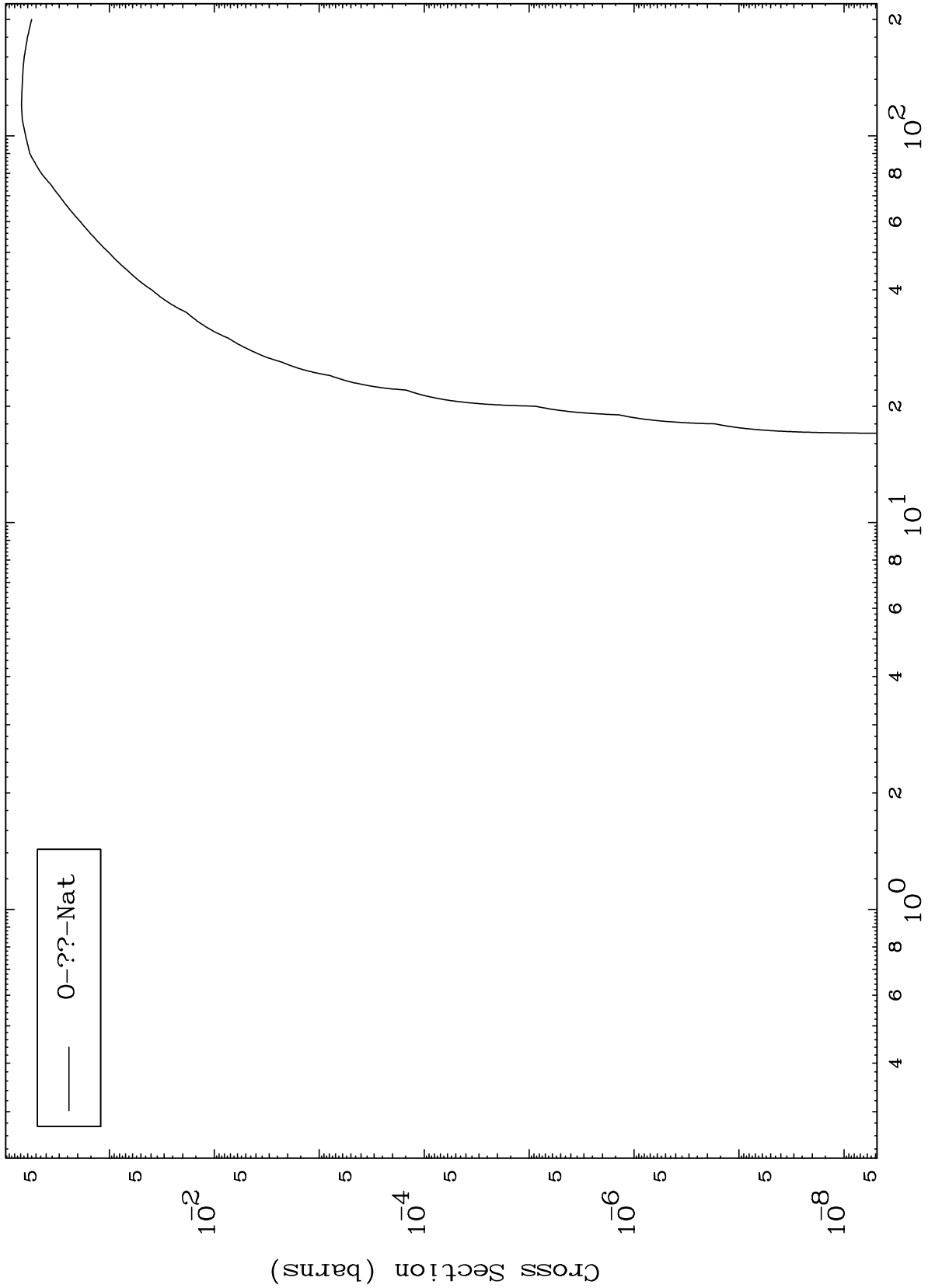
80-Hg-193

MAT 8016

Fission

80-Hg-193

Radionuclide Production Cross Section



12

Incident Energy (MeV)

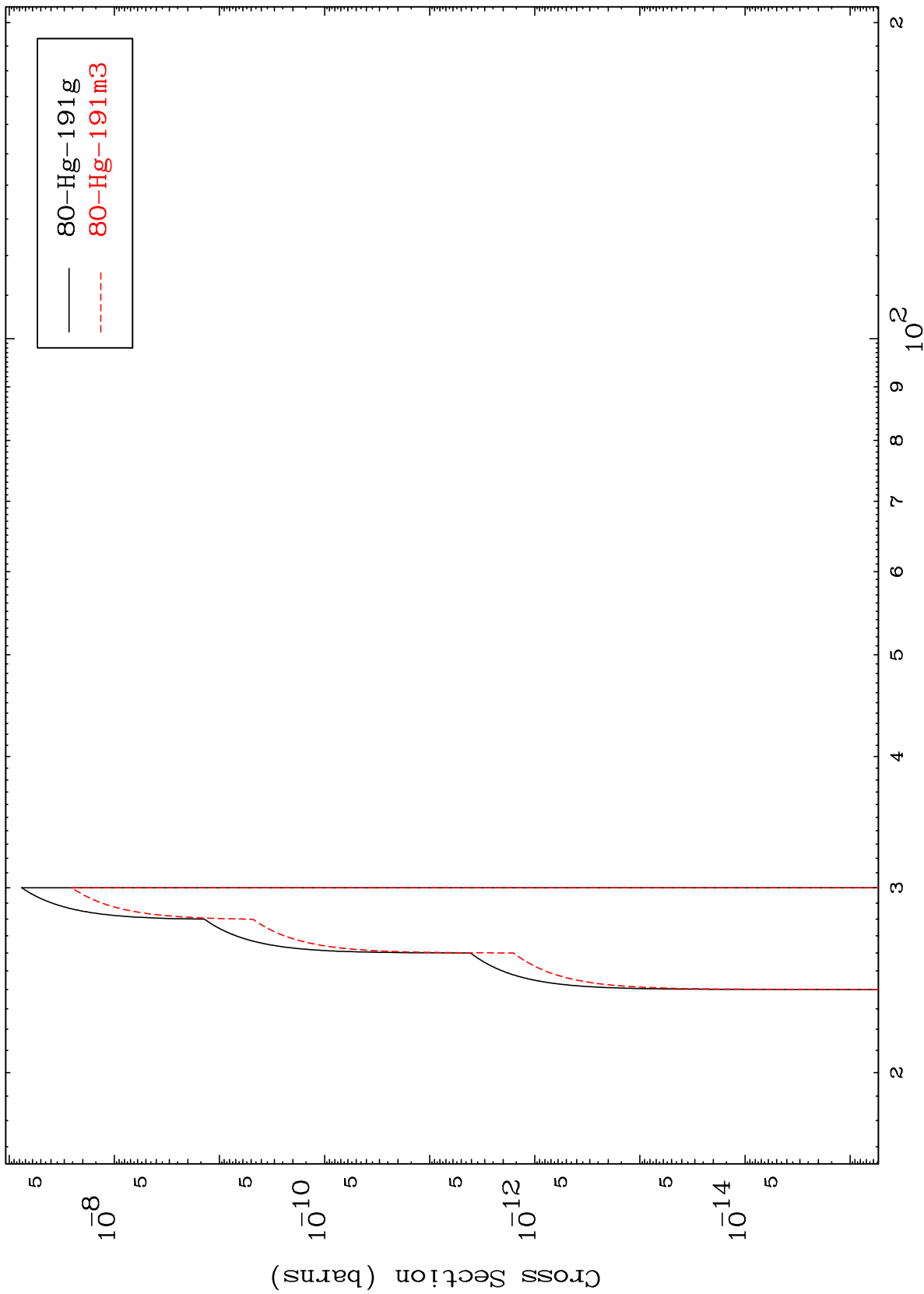
80-Hg-193

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(n,2n) α

80-Hg-193

Radionuclide Production Cross Section



13

Incident Energy (MeV)

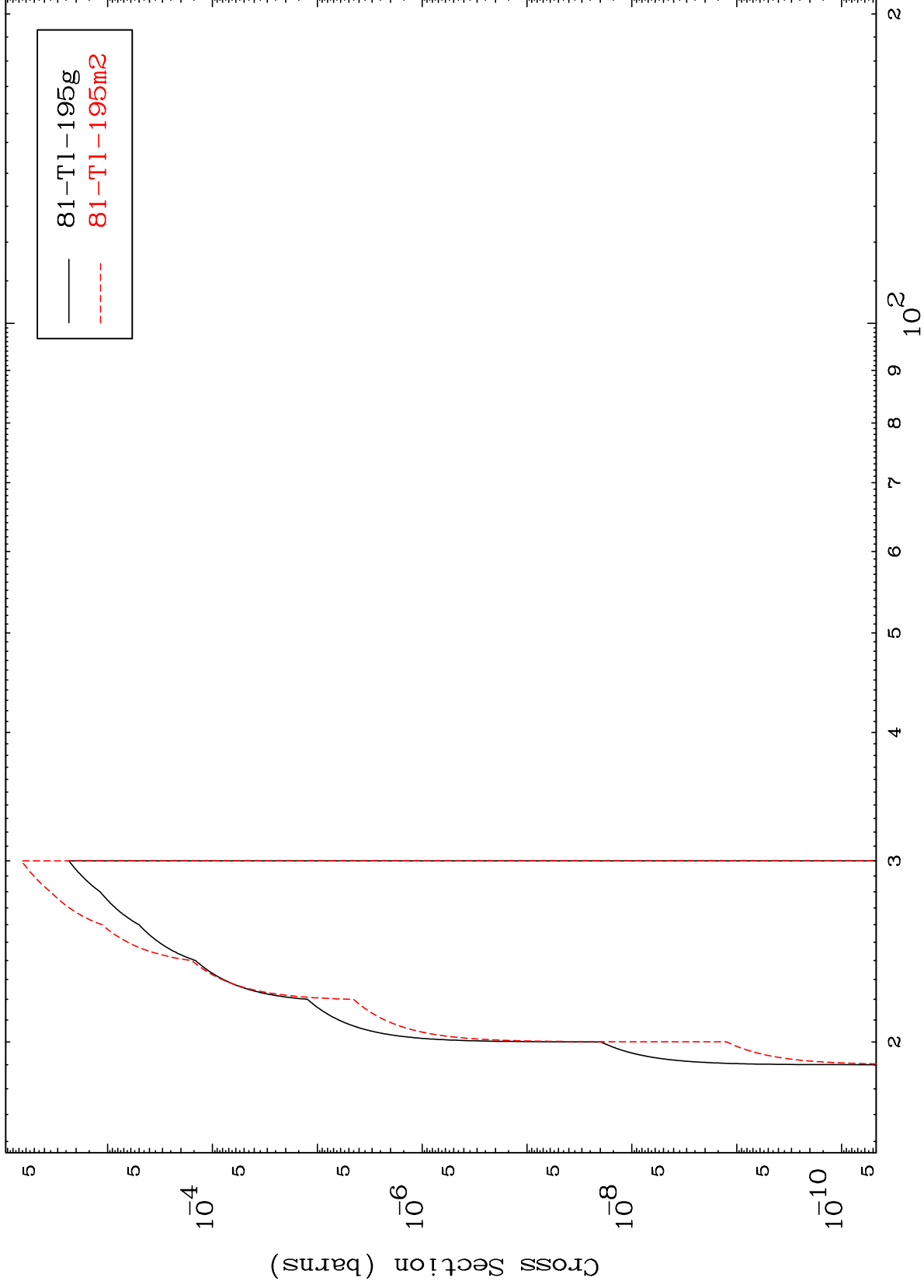
80-Hg-193

MAT 8016

(n,n') p

80-Hg-193

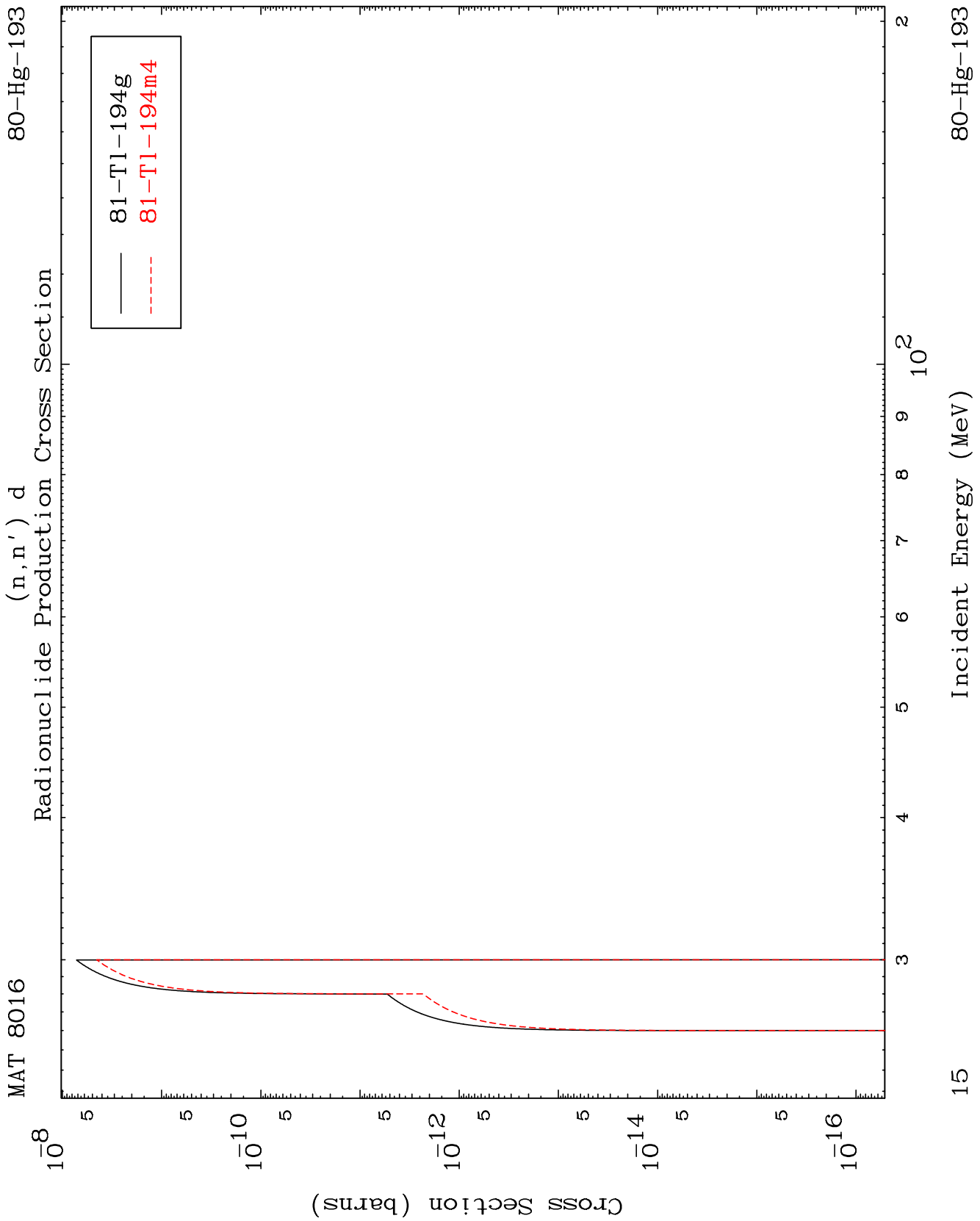
Radionuclide Production Cross Section



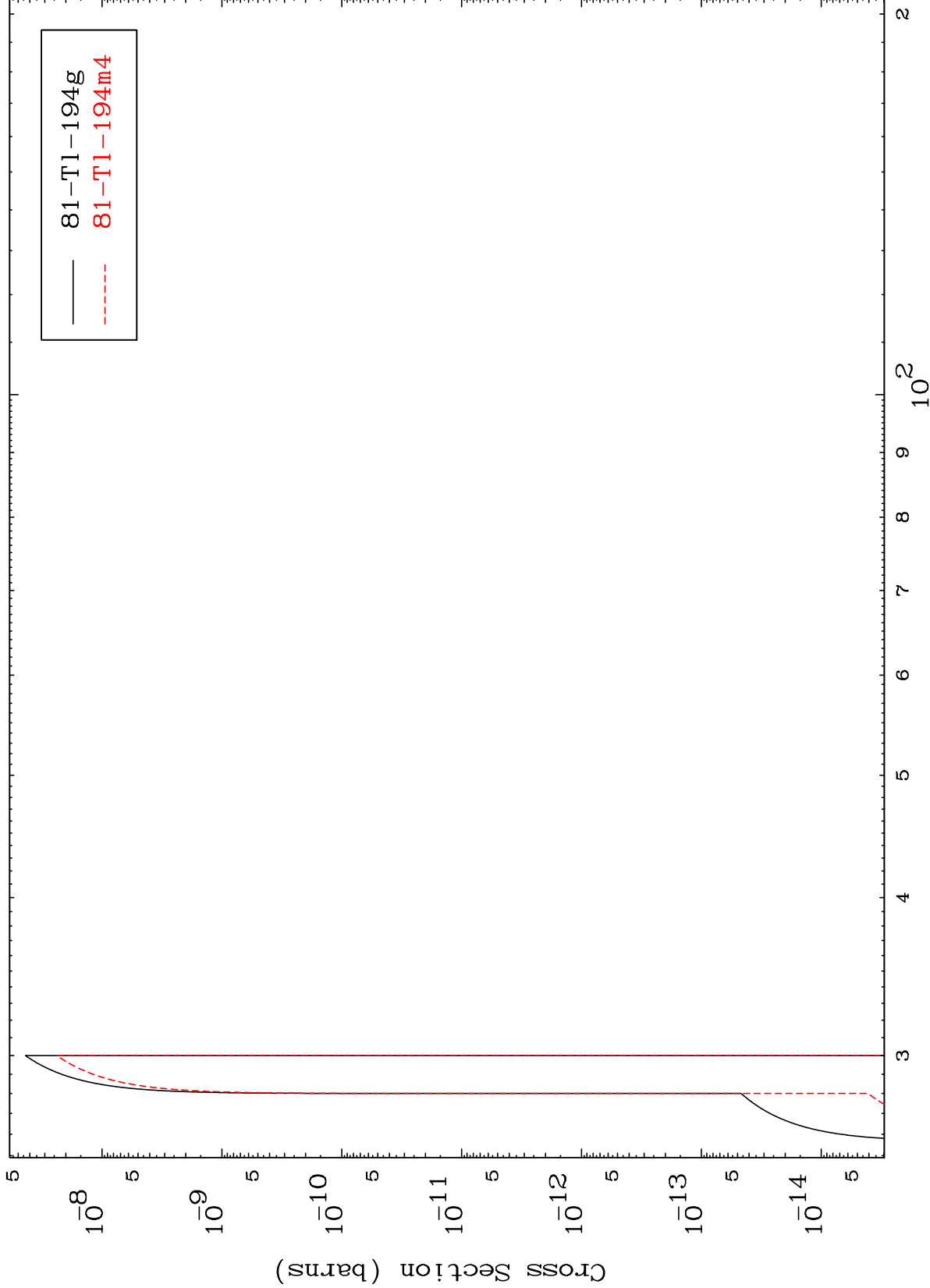
14

Incident Energy (MeV)

80-Hg-193



Radionuclide Production Cross Section

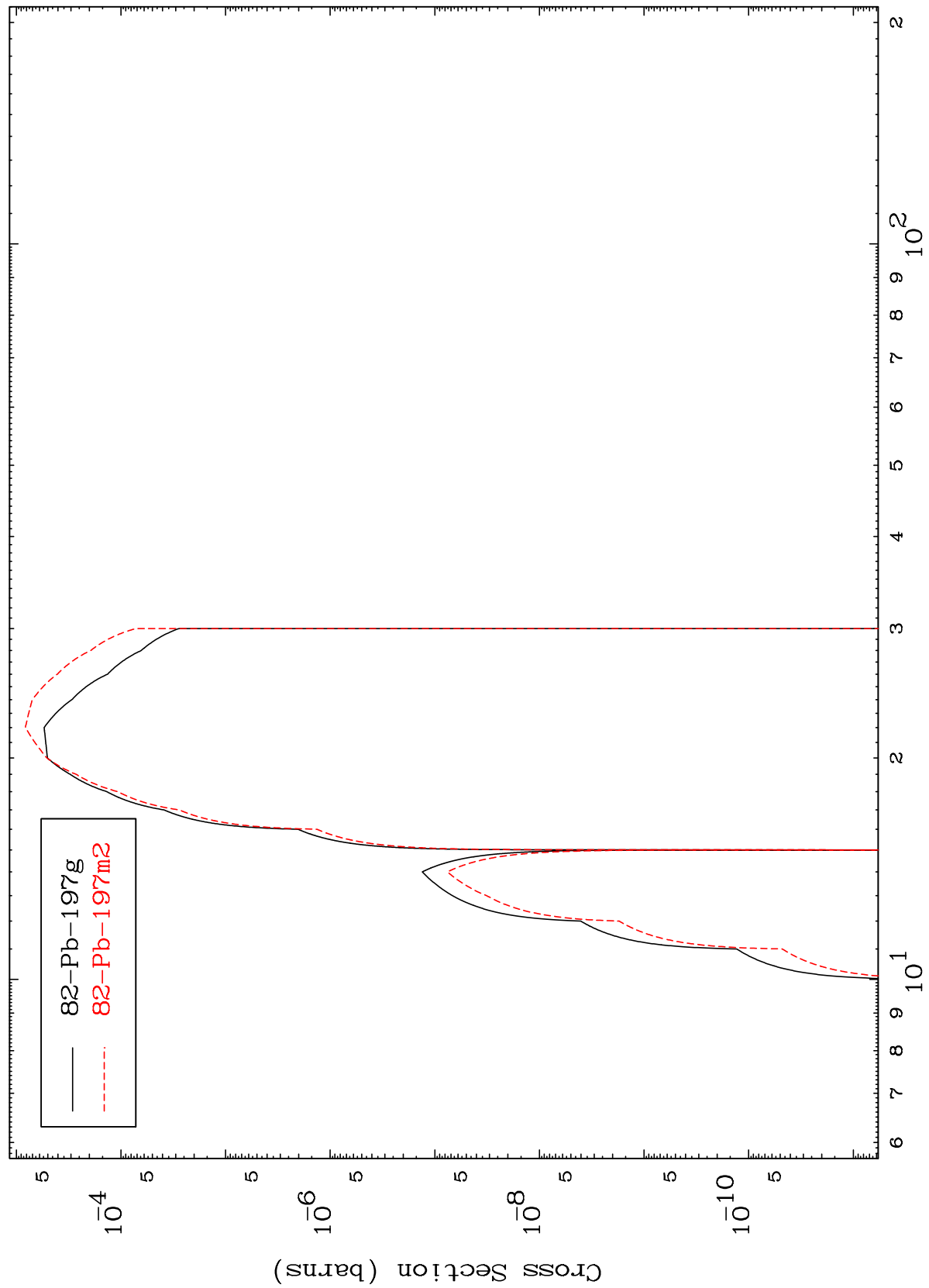


81-Tl-194g
81-Tl-194m4

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80-Hg-193

(n, γ)
Radionuclide Production Cross Section



17

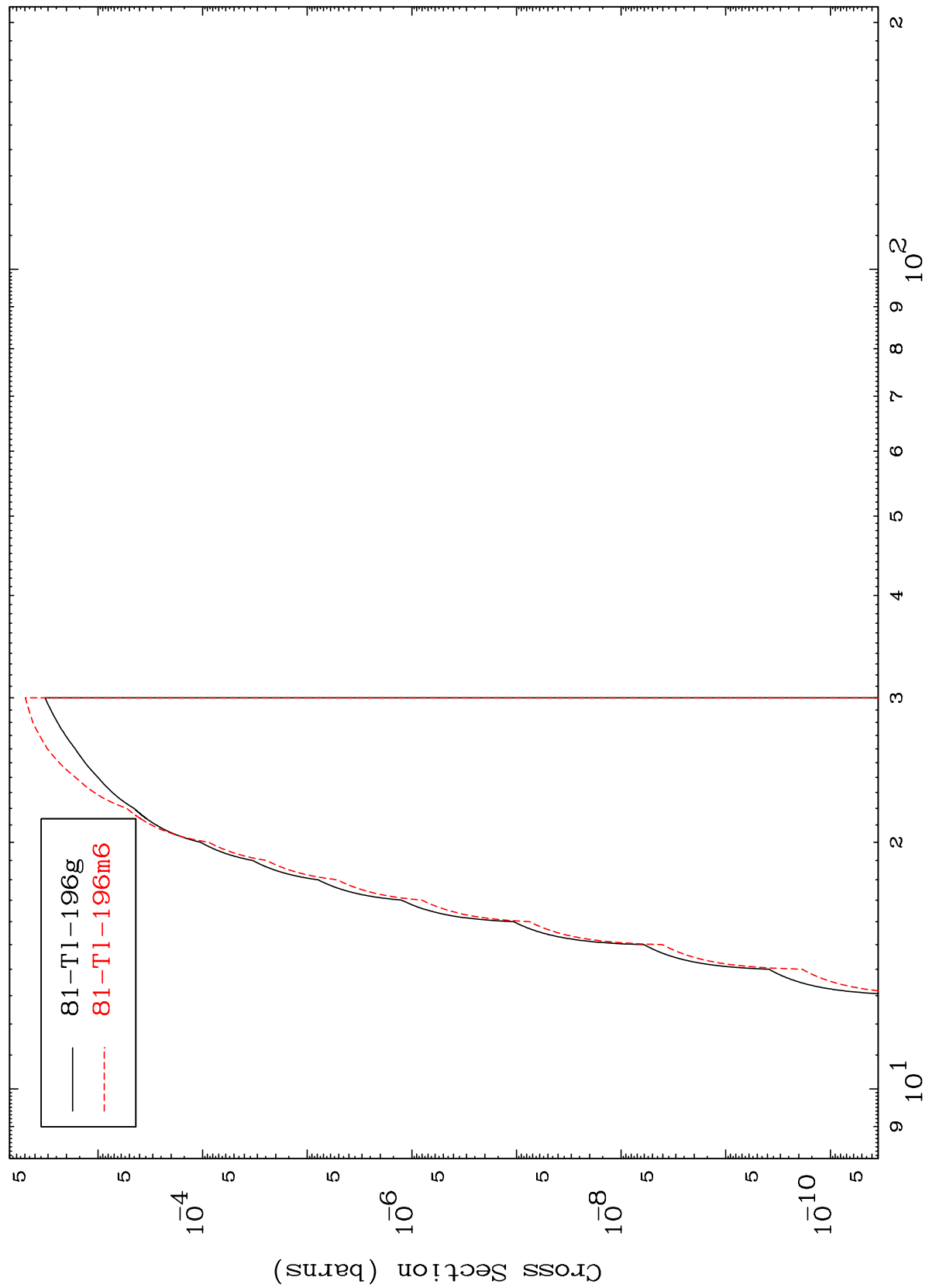
Incident Energy (MeV)

80-Hg-193

MAT 8016

80-Hg-193

(n,p)
Radionuclide Production Cross Section



18

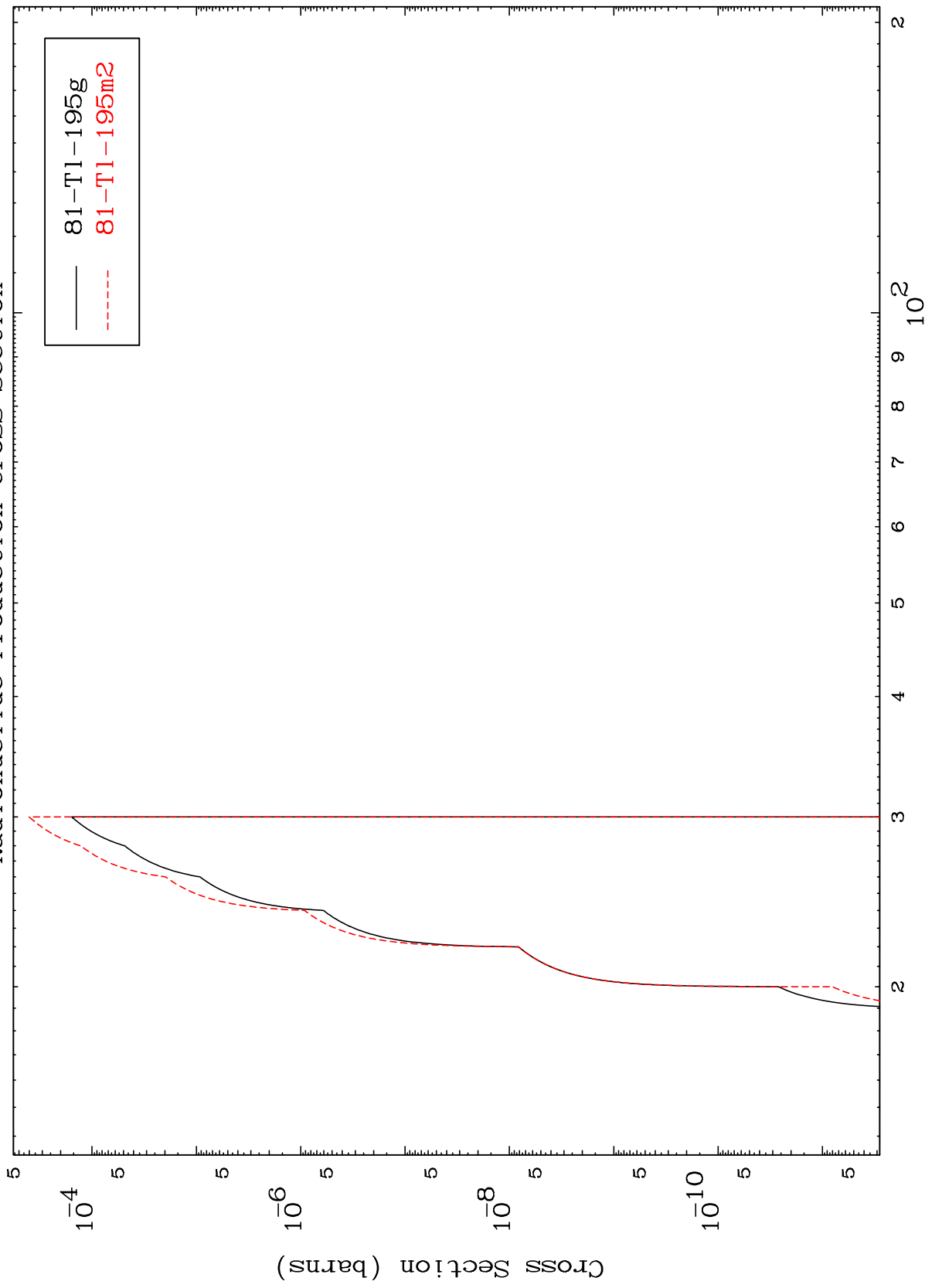
Incident Energy (MeV)

80-Hg-193

MAT 8016

80-Hg-193

(n,d)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

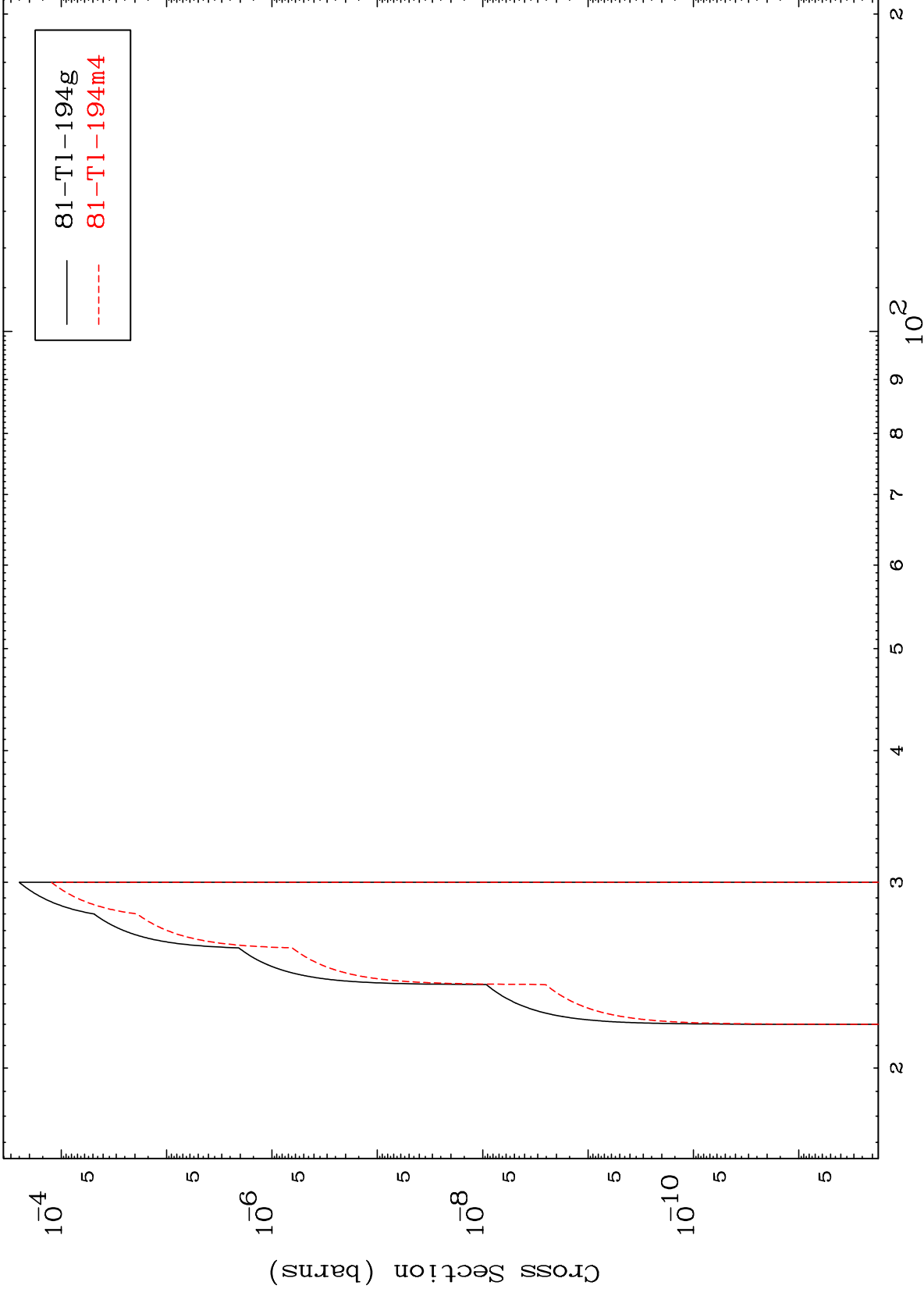
80-Hg-193

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(n, t)

80-Hg-193

Radionuclide Production Cross Section



20

Incident Energy (MeV)

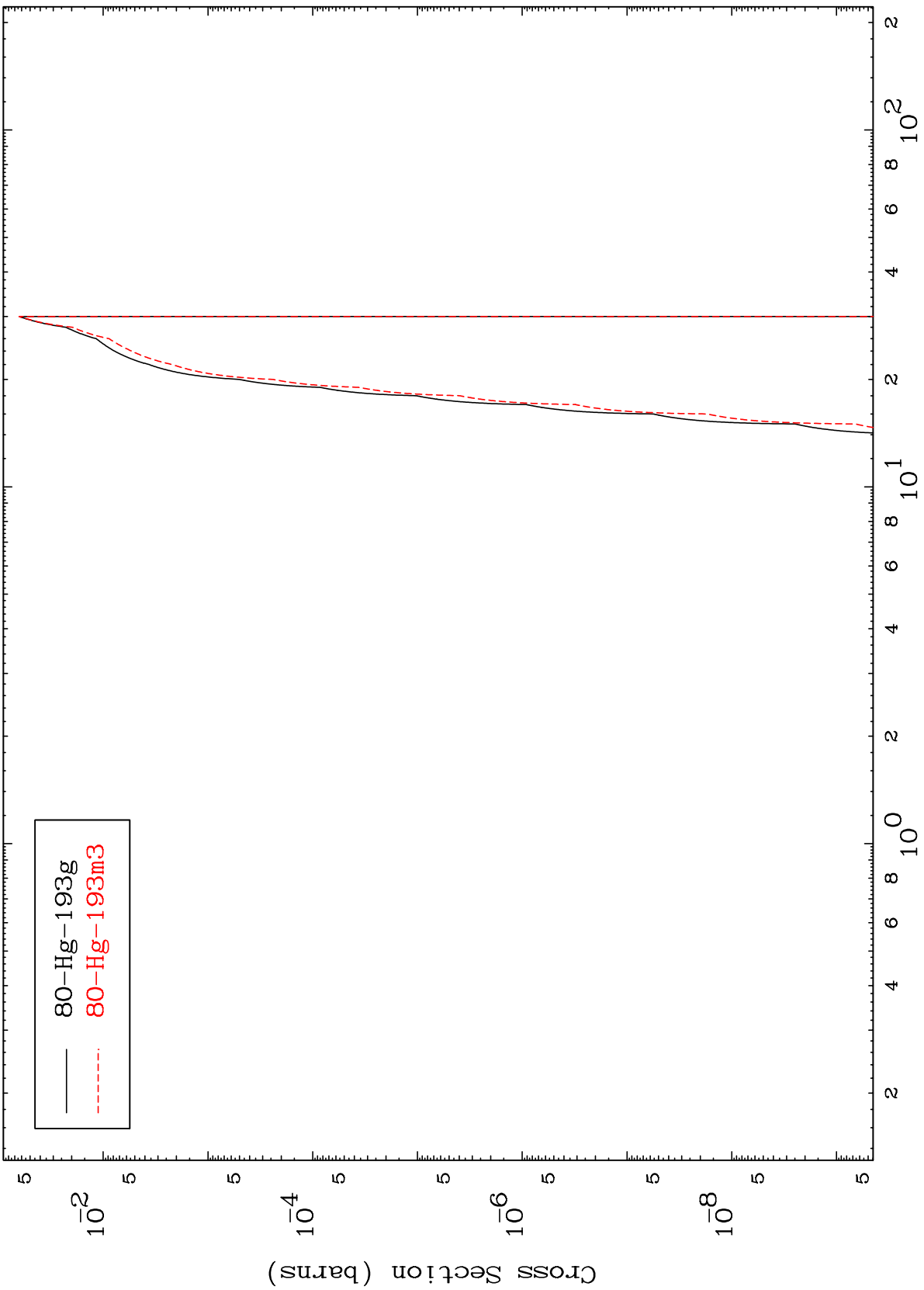
80-Hg-193

MAT 8016

80-Hg-193

(n, α)

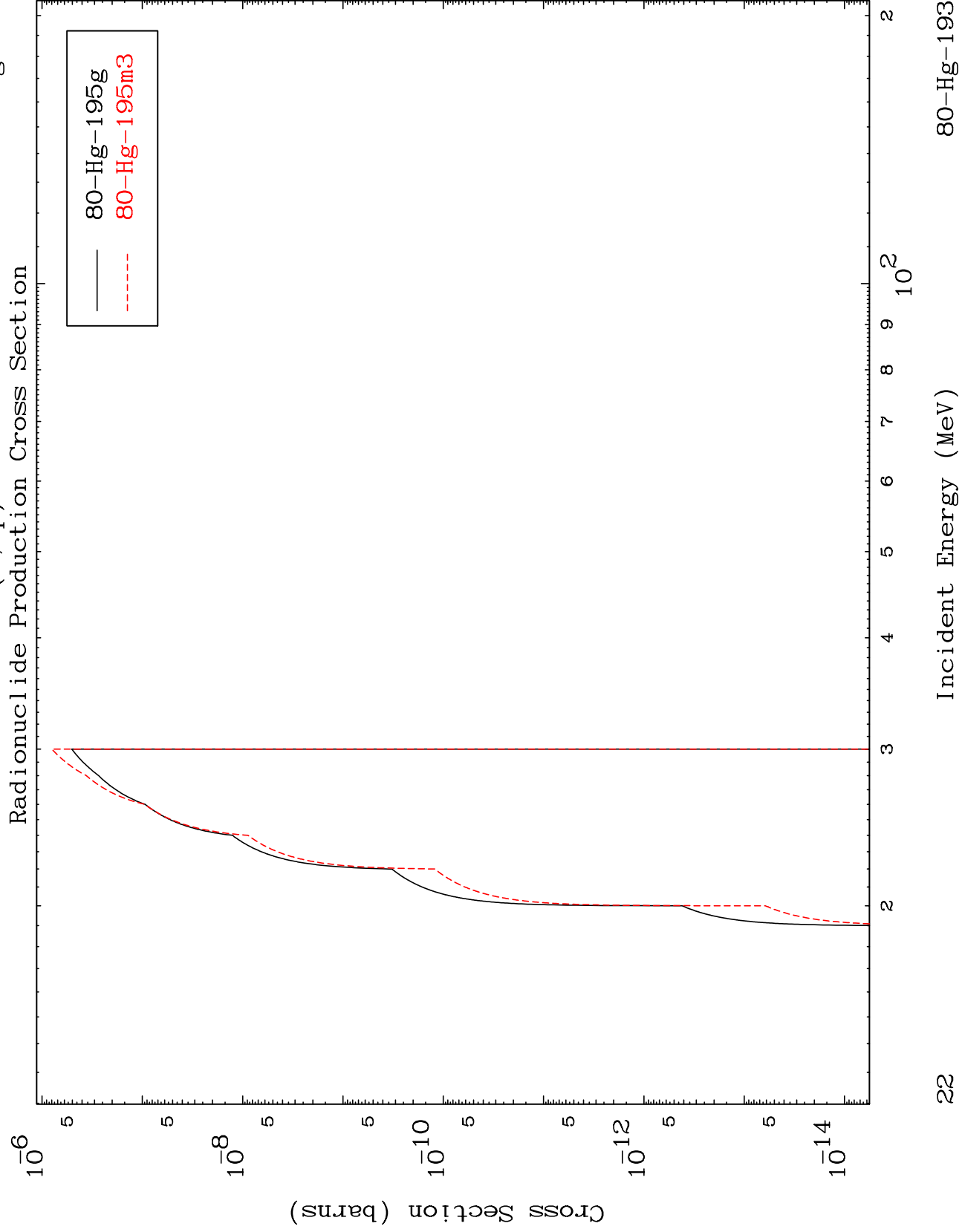
Radionuclide Production Cross Section



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(n,2p)

80-Hg-193

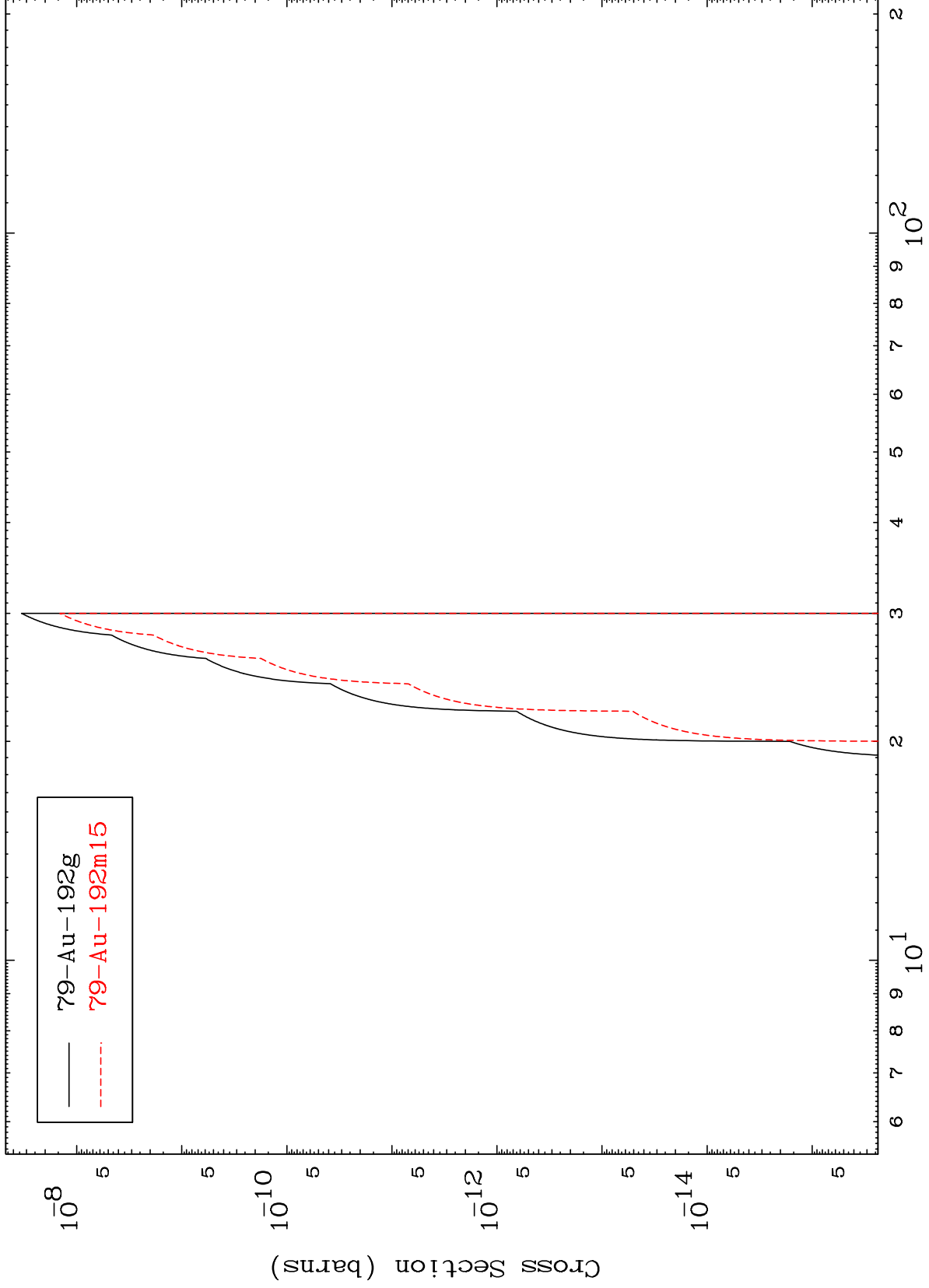


MAT 8016

(n,p) α

80-Hg-193

Radionuclide Production Cross Section



23

Incident Energy (MeV)

80-Hg-193