

Program EVALPLOT
(Version 2021-1)

by

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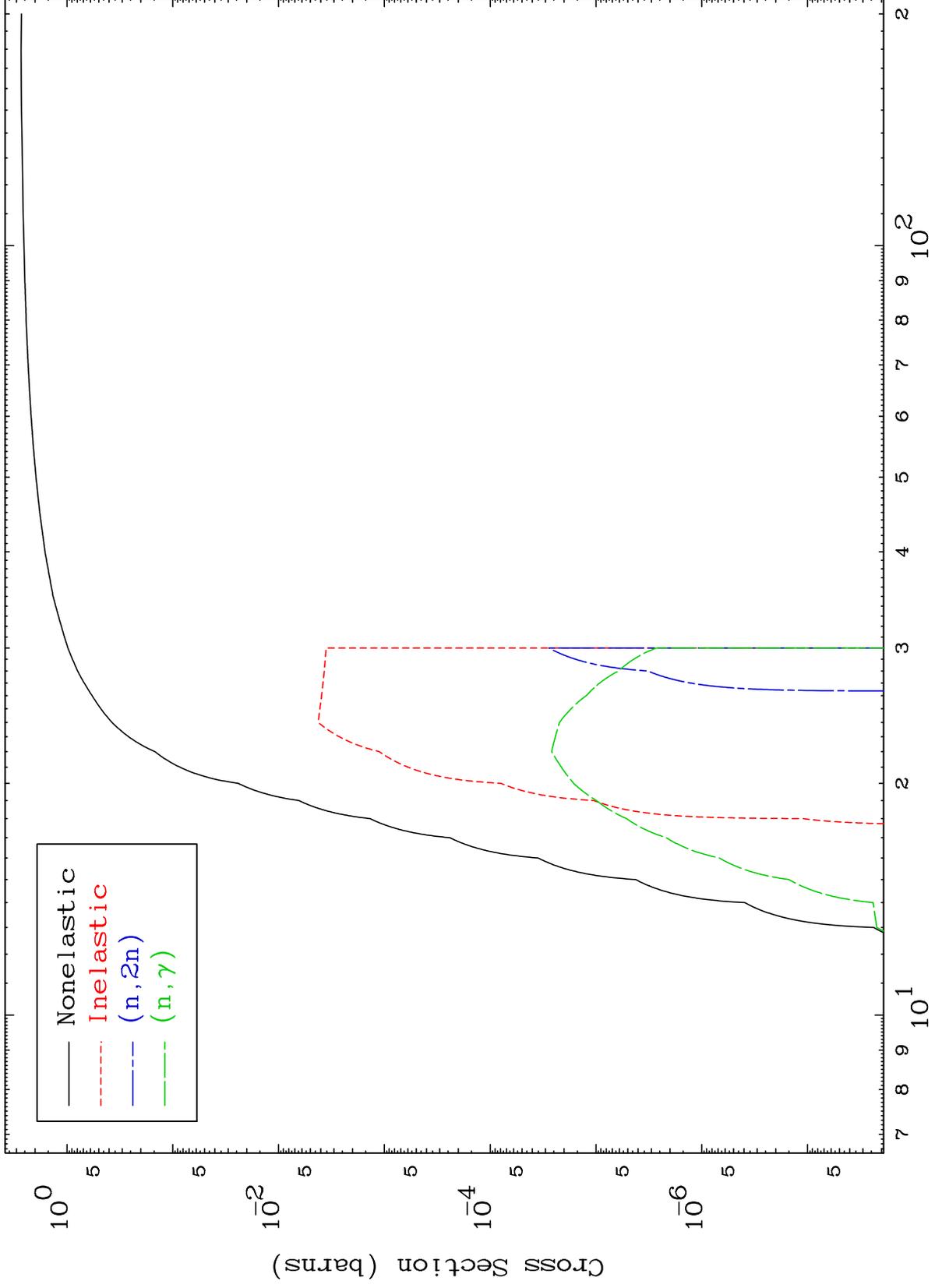
Press Mouse Button to Start

MAT 8278

0 Kelvin Cross Sections

α Major

83-Bi-193m



1

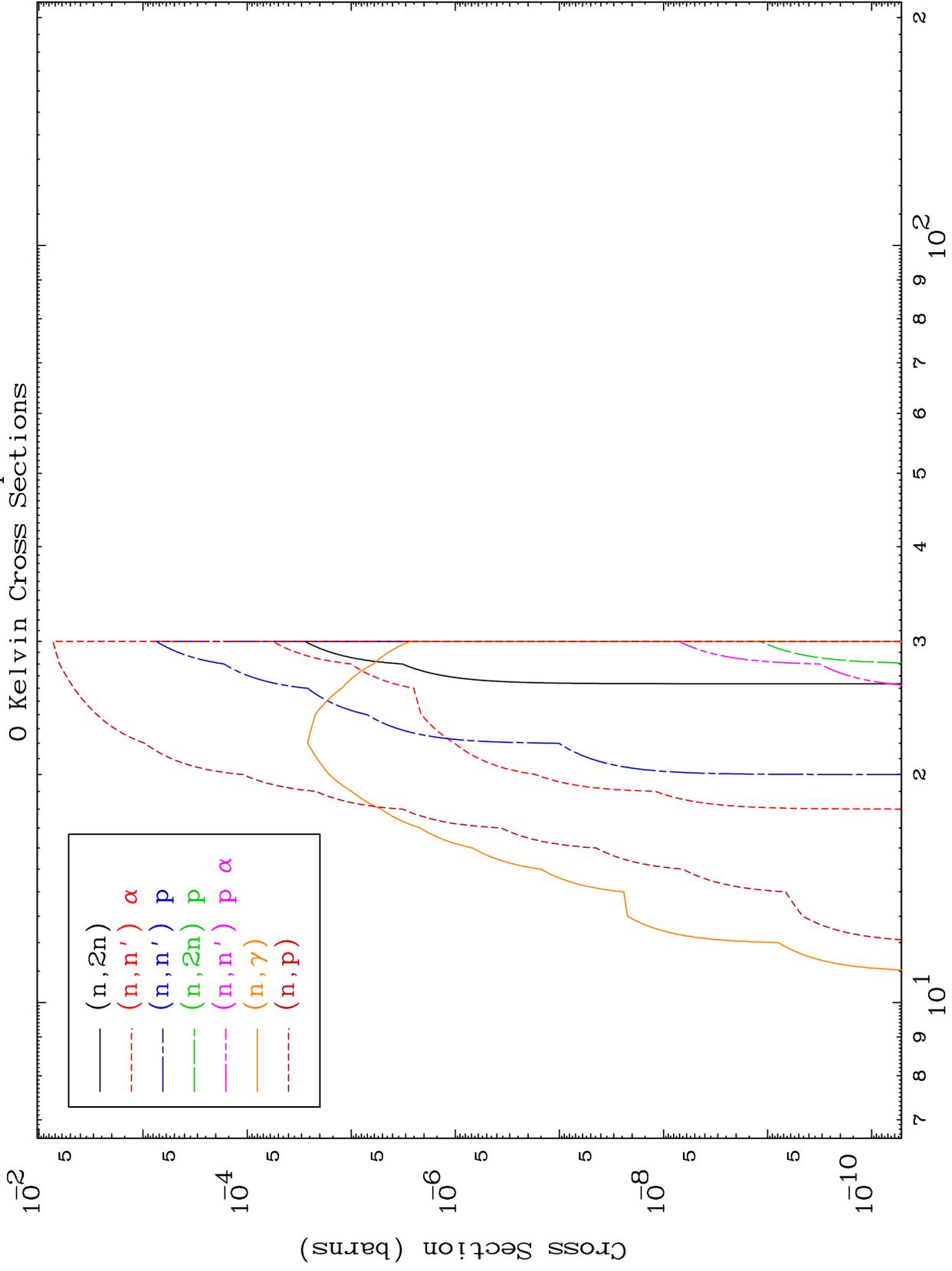
Incident Energy (MeV)

83-Bi-193m

MAT 8278

α Neutron Absorption
0 Kelvin Cross Sections

83-Bi-193m



2

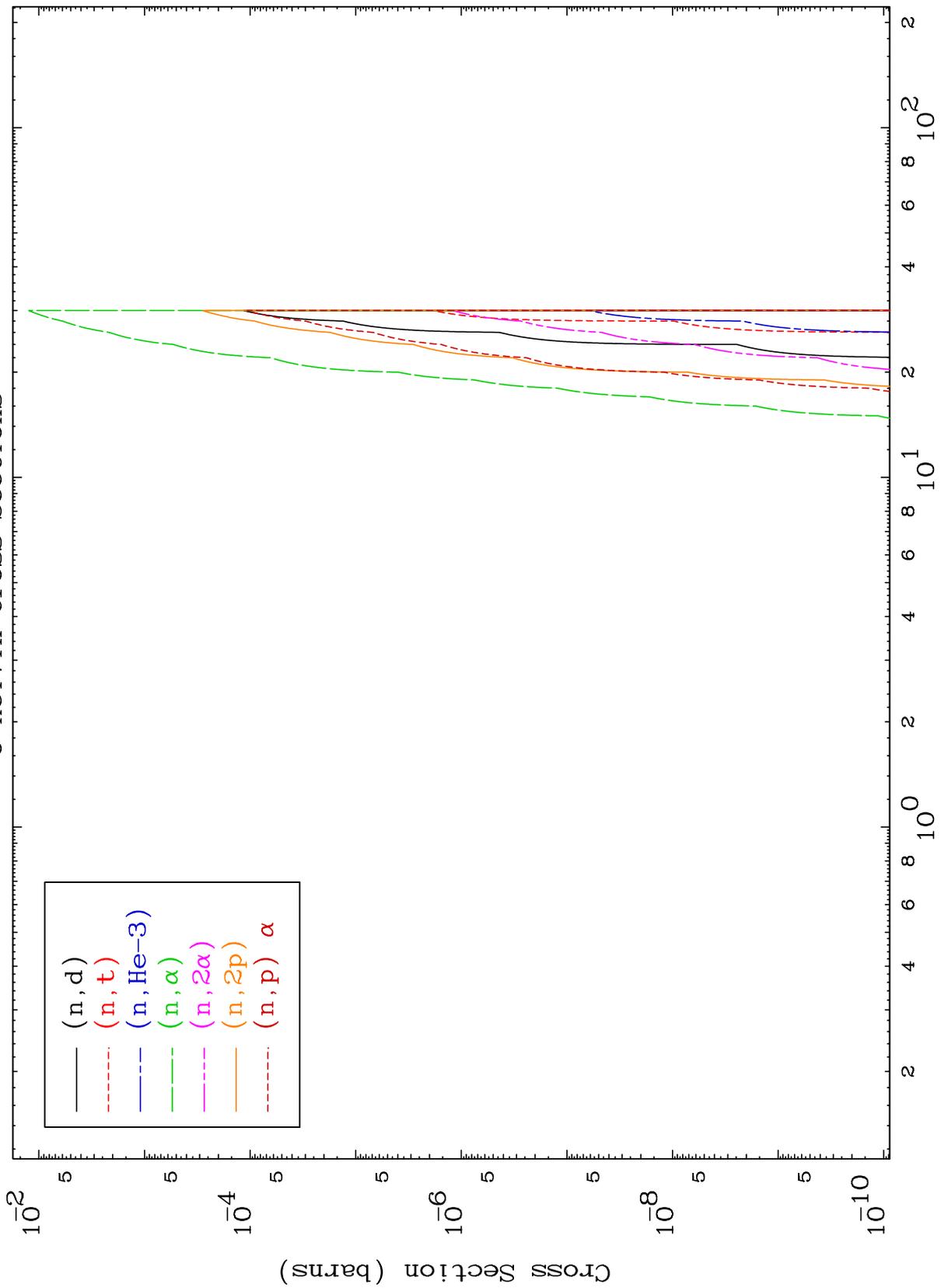
Incident Energy (MeV)

83-Bi-193m

MAT 8278

α Neutron Absorption
0 Kelvin Cross Sections

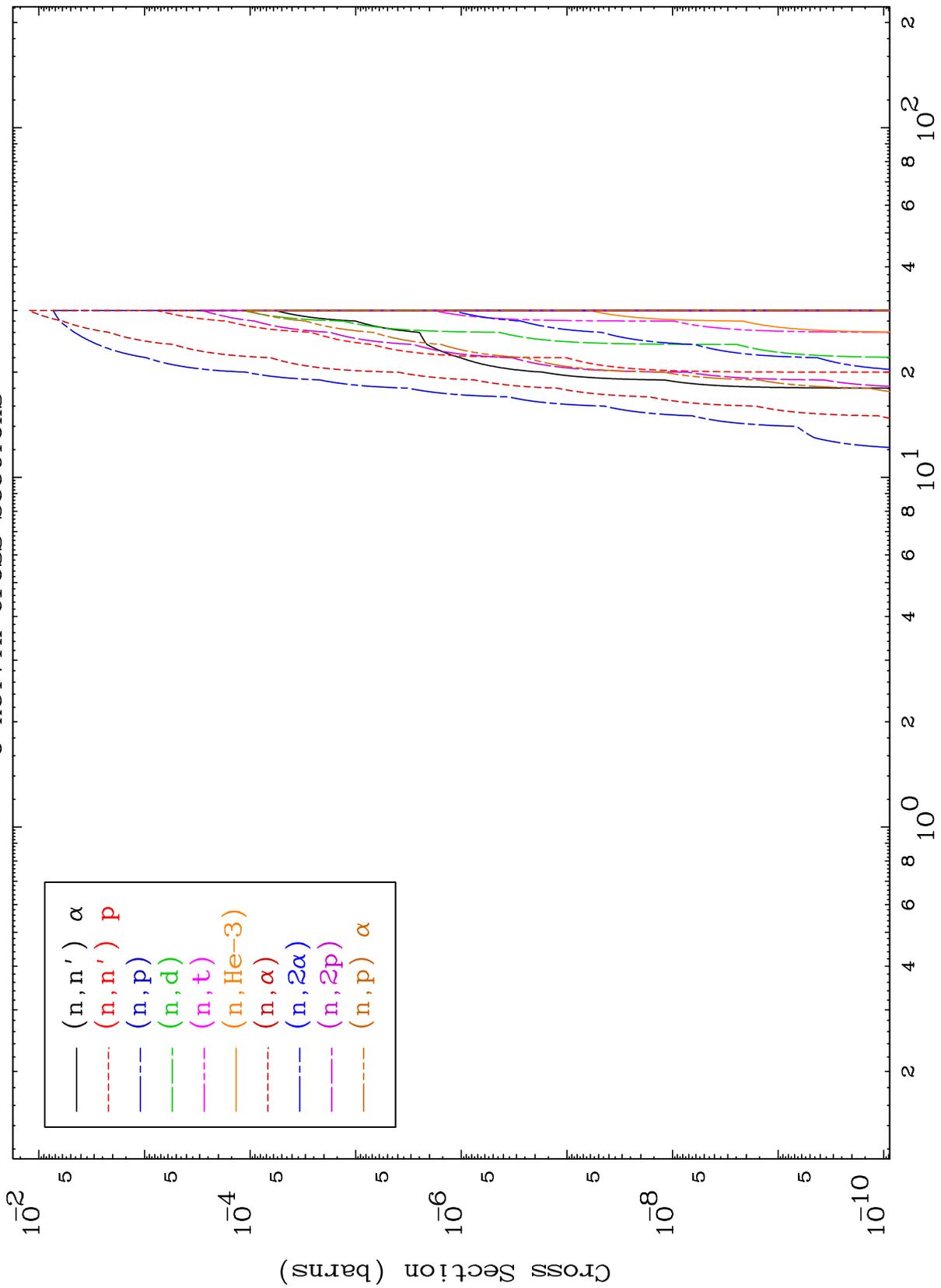
83-Bi-193m



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α Charged Particle
0 Kelvin Cross Sections

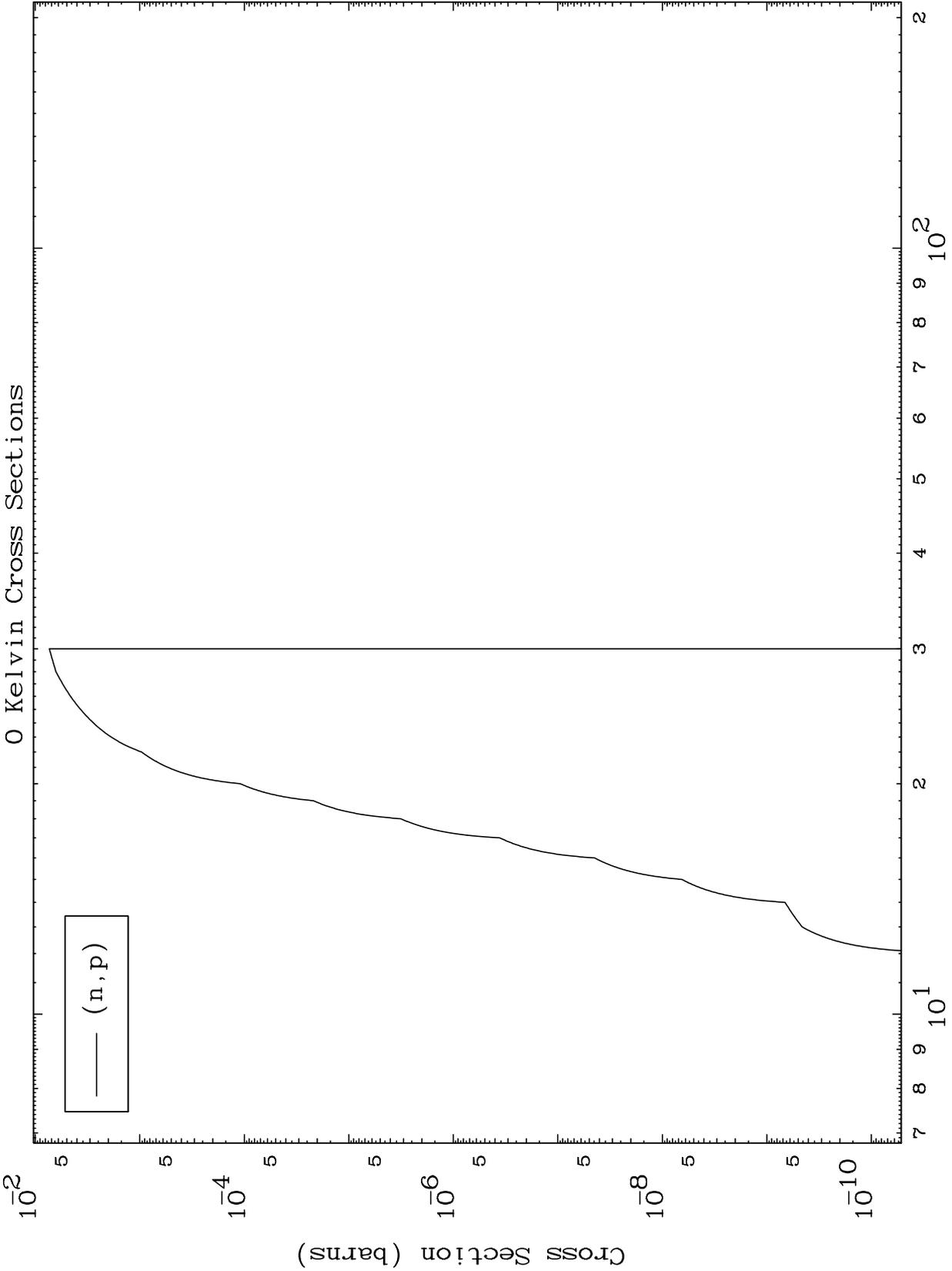
83-Bi-193m



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(α, p) Levels

83-Bi-193m



5

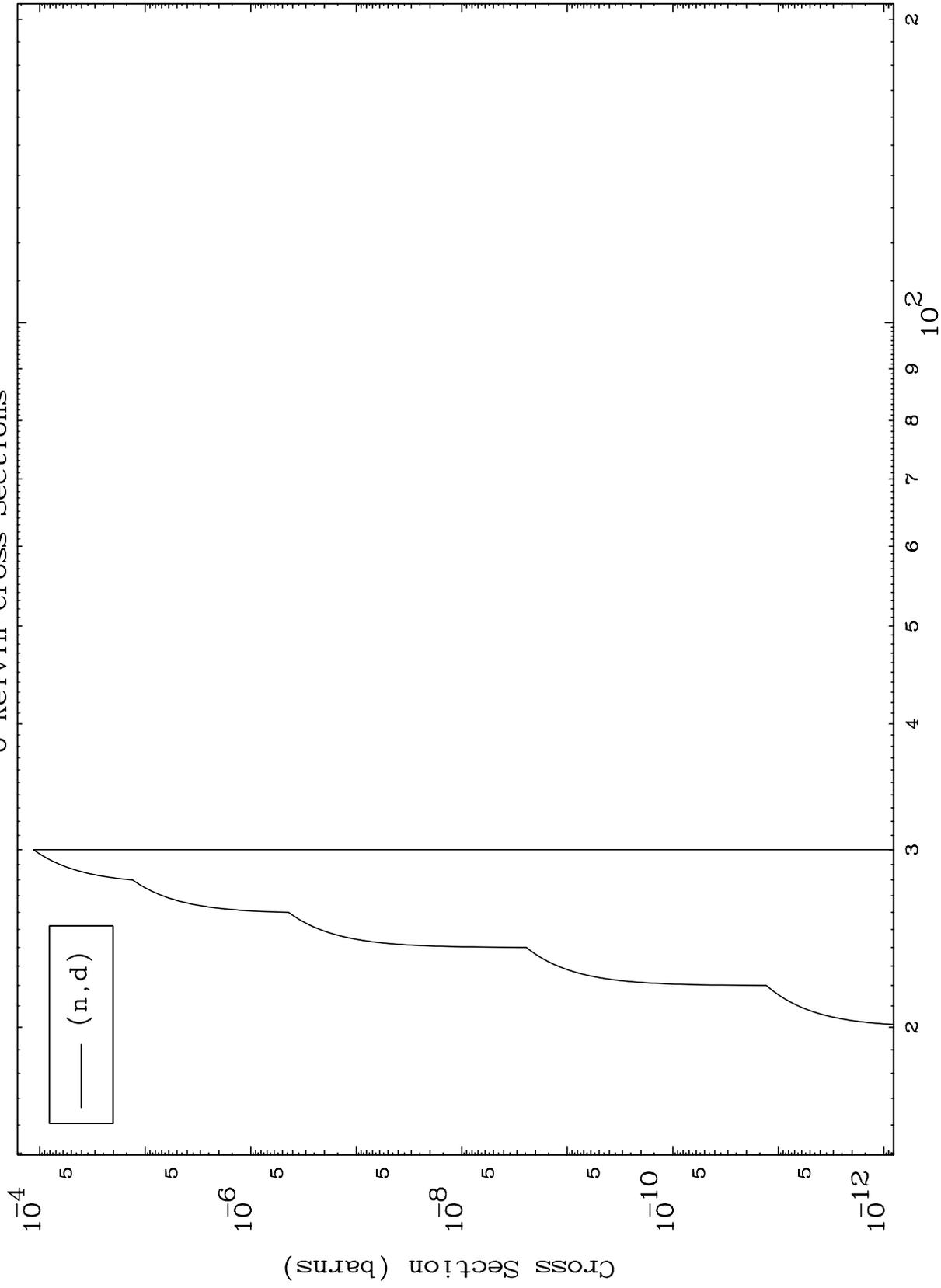
Incident Energy (MeV)

83-Bi-193m

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83-Bi-193m

(α, d) Levels
0 Kelvin Cross Sections



83-Bi-193m

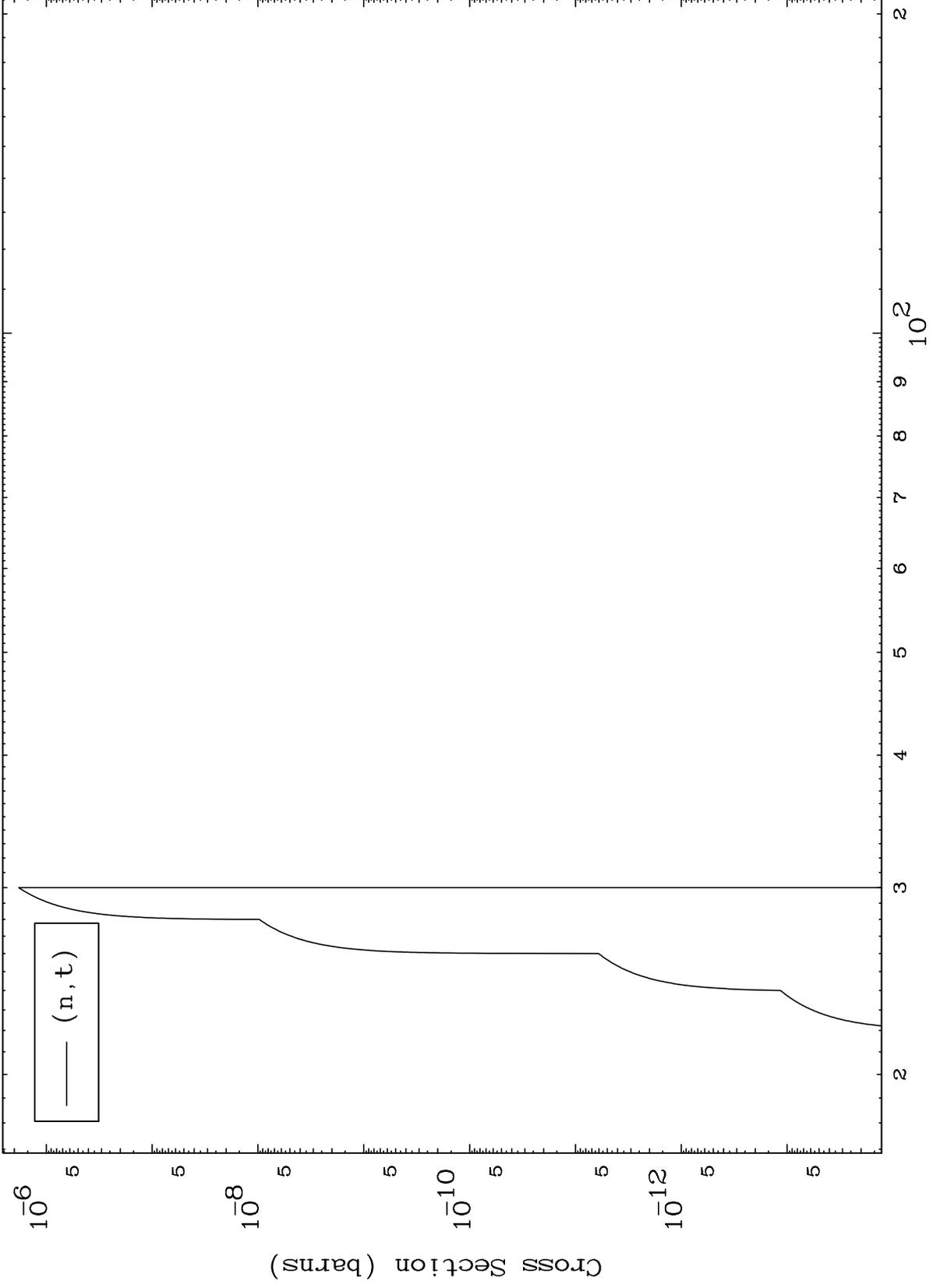
Incident Energy (MeV)

6

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(α, t) Levels
0 Kelvin Cross Sections

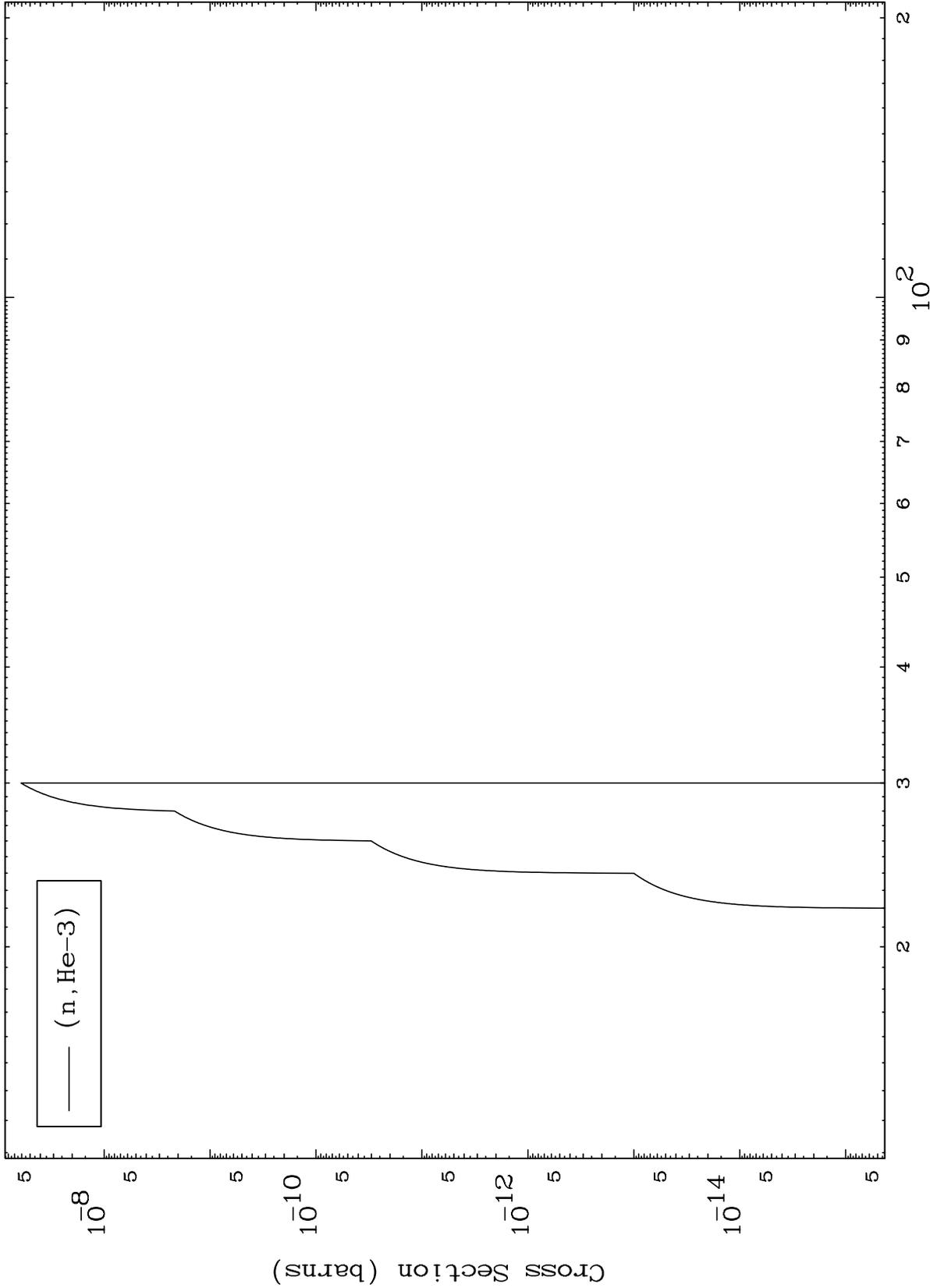
83-Bi-193m



7

Incident Energy (MeV)

83-Bi-193m

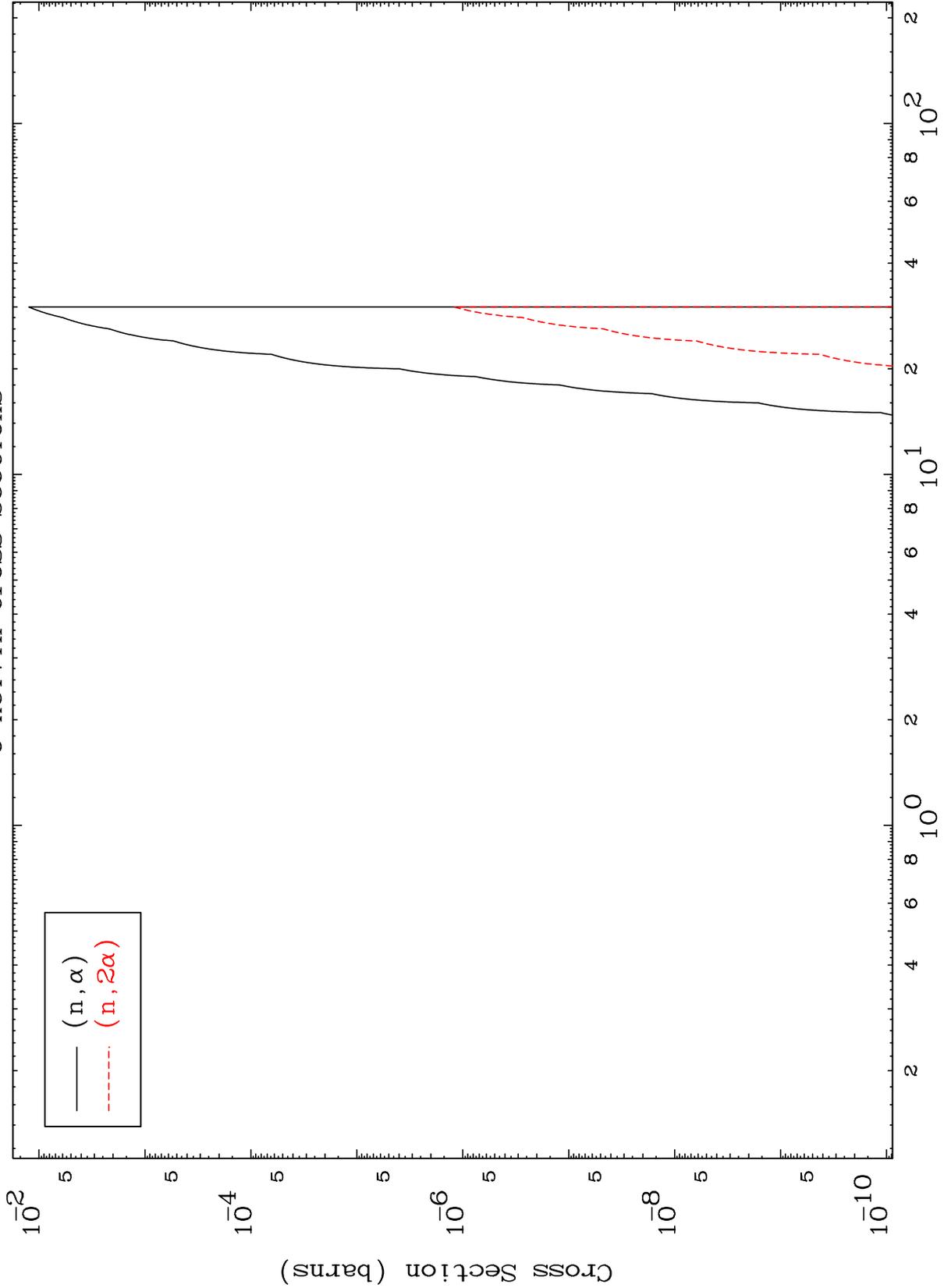


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(α, α) Levels

83-Bi-193m

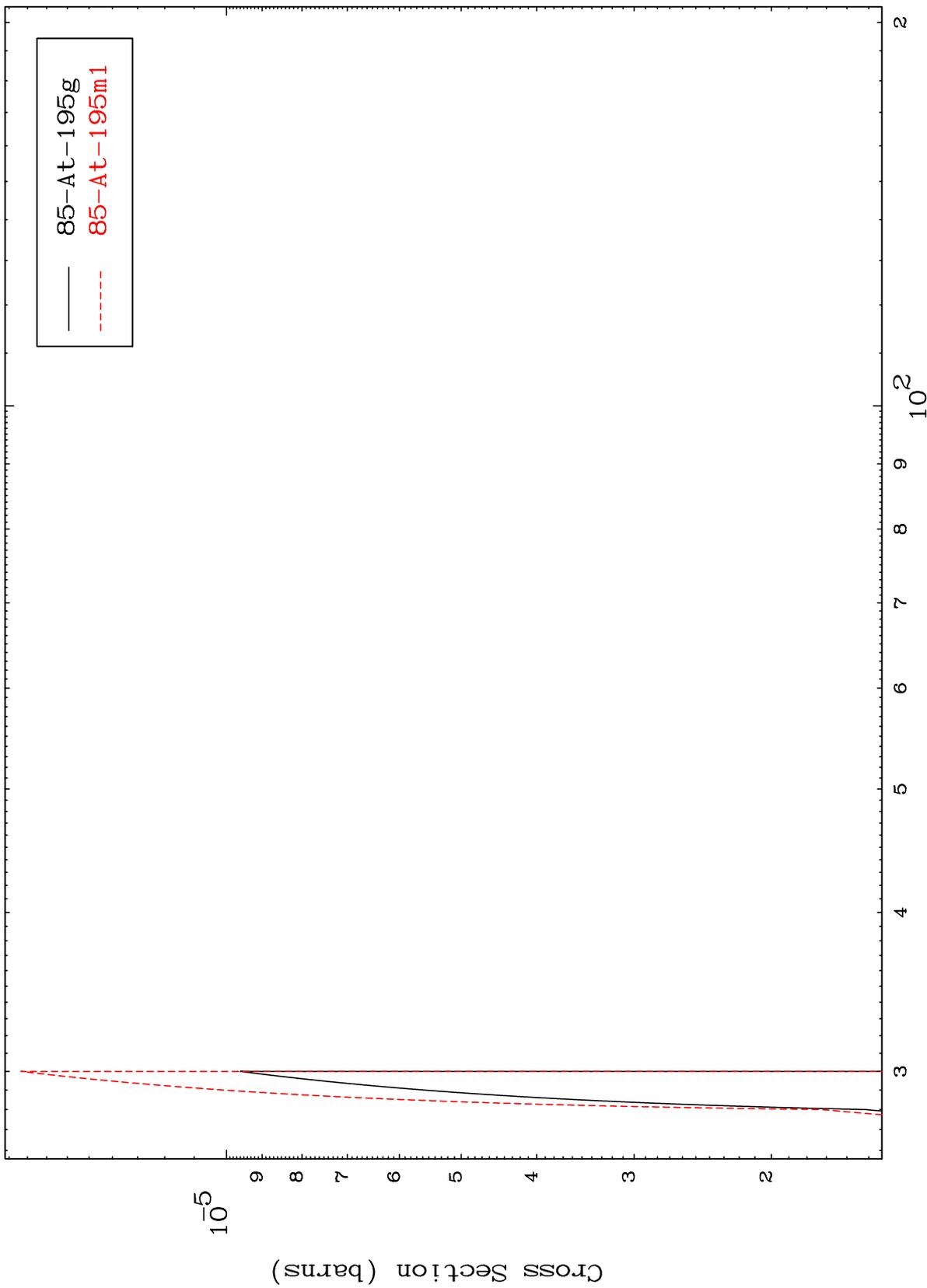
0 Kelvin Cross Sections



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83-Bi-193m

(n,2n)
Radionuclide Production Cross Section



85-At-195g
85-At-195m1

83-Bi-193m

Incident Energy (MeV)

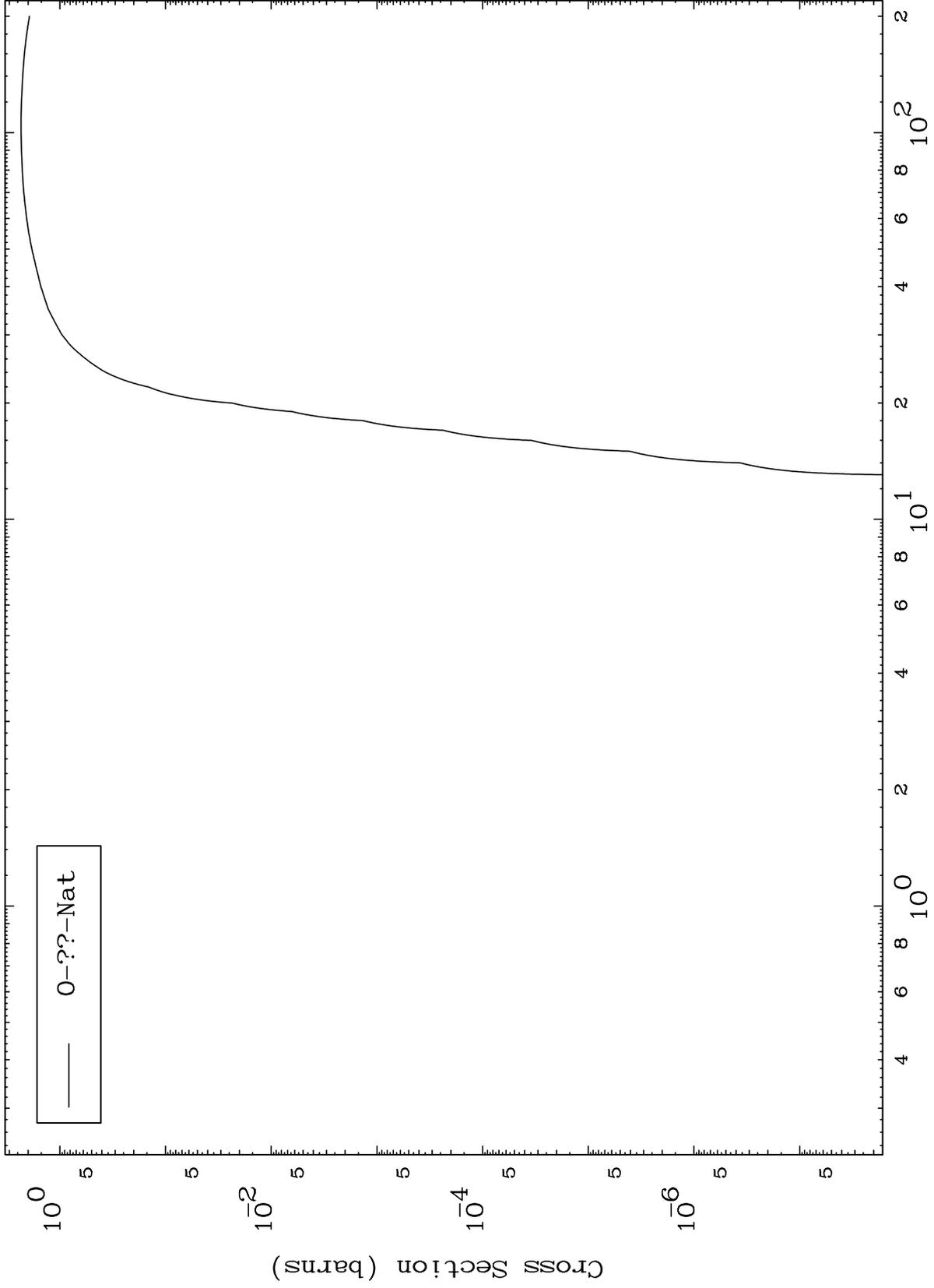
10

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Fission

⁸³Bi-193m

Radionuclide Production Cross Section

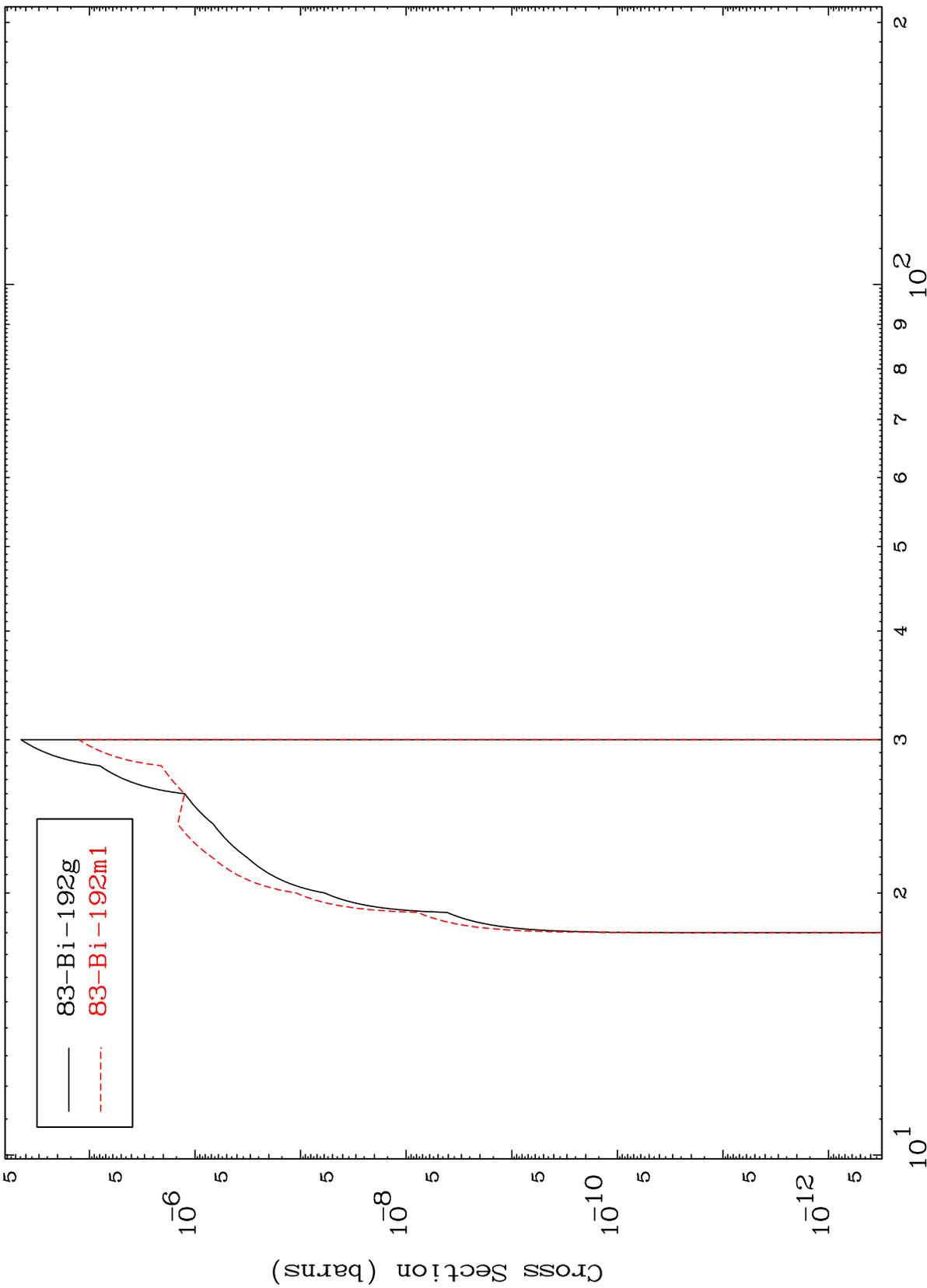


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(n,n') α

83-Bi-193m

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-193m

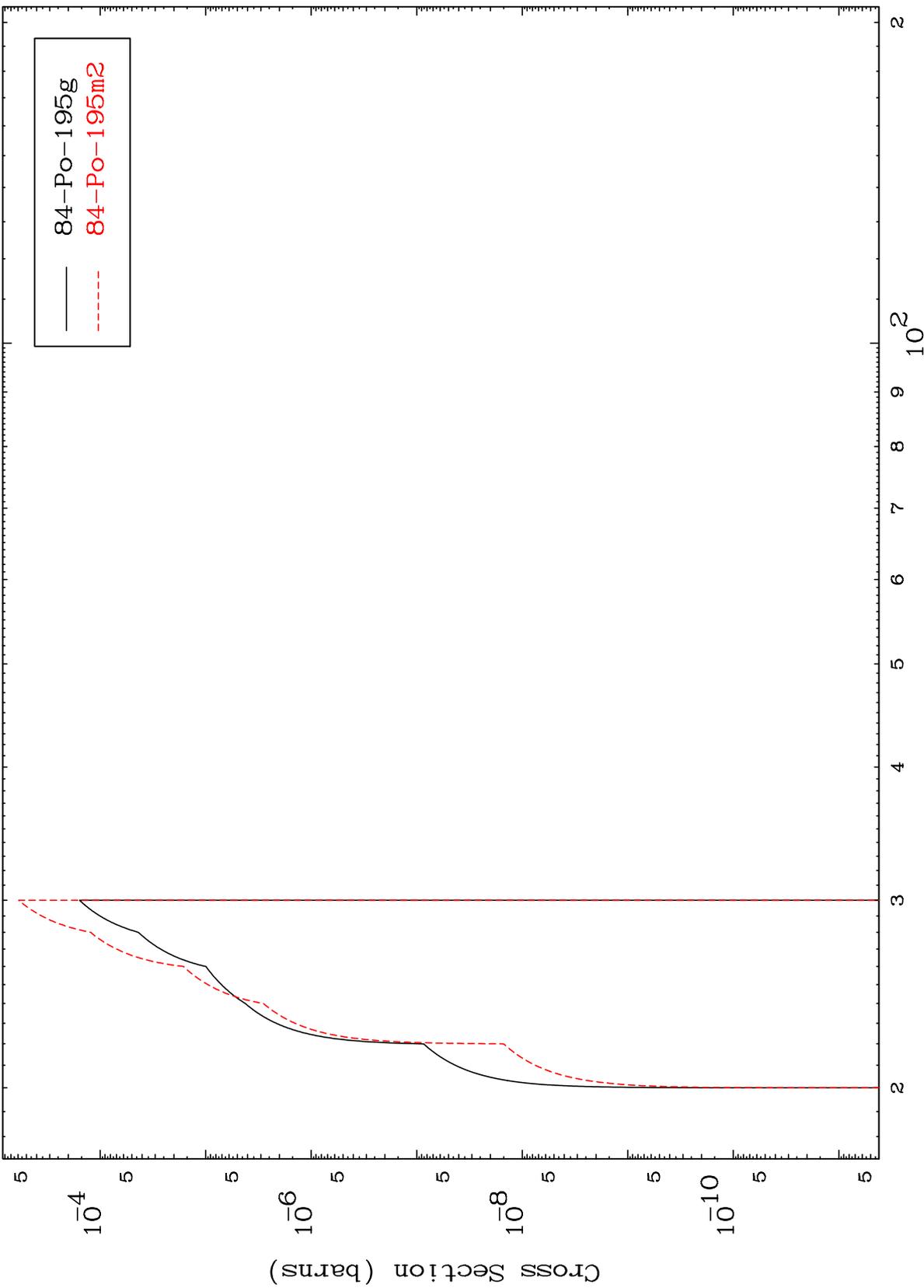
12

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(n,n') p

83-Bi-193m

Radionuclide Production Cross Section



84-Po-195g
84-Po-195m2

13

Incident Energy (MeV)

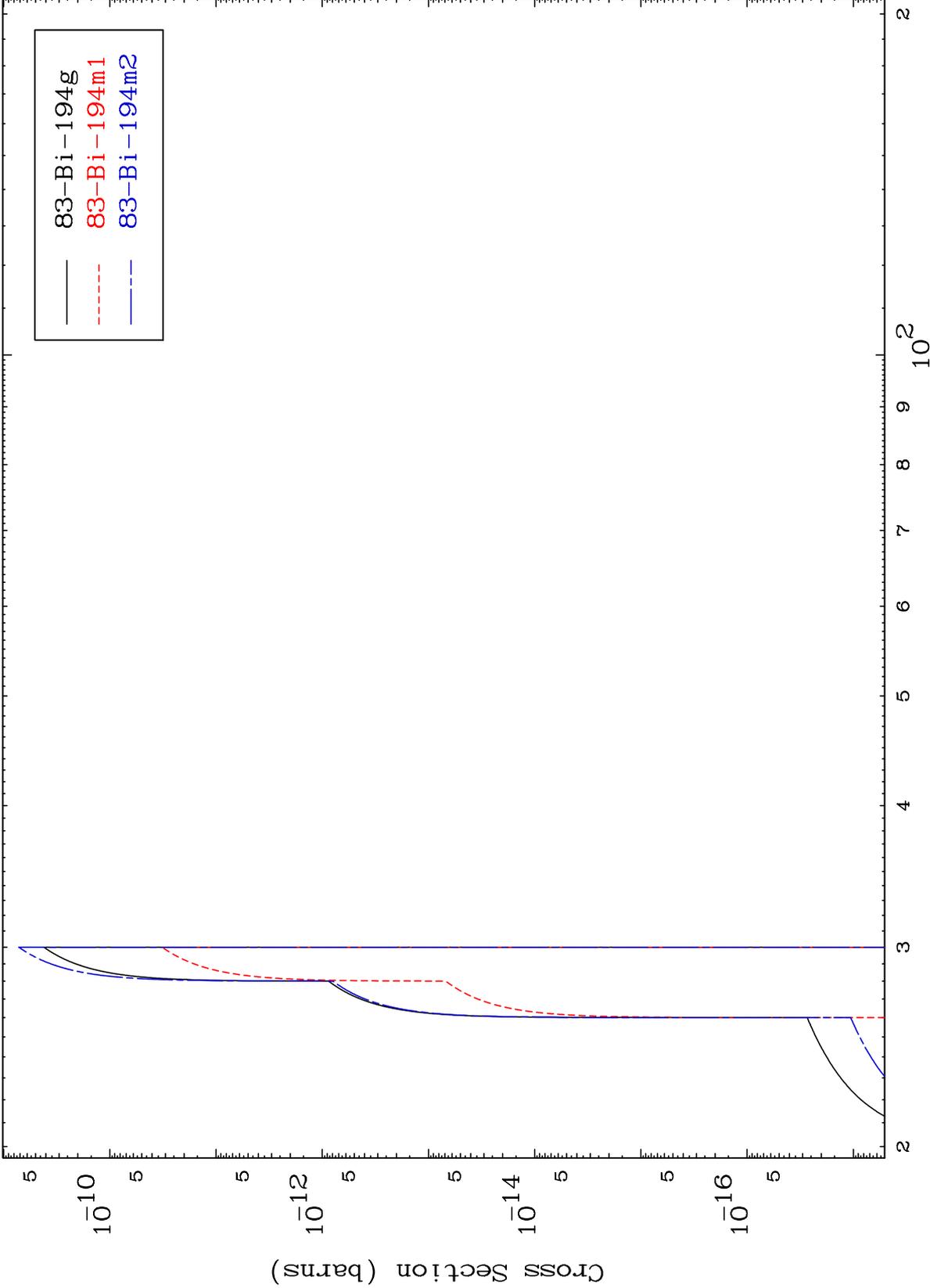
83-Bi-193m

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(n,2n) p

83-Bi-193m

Radionuclide Production Cross Section



14

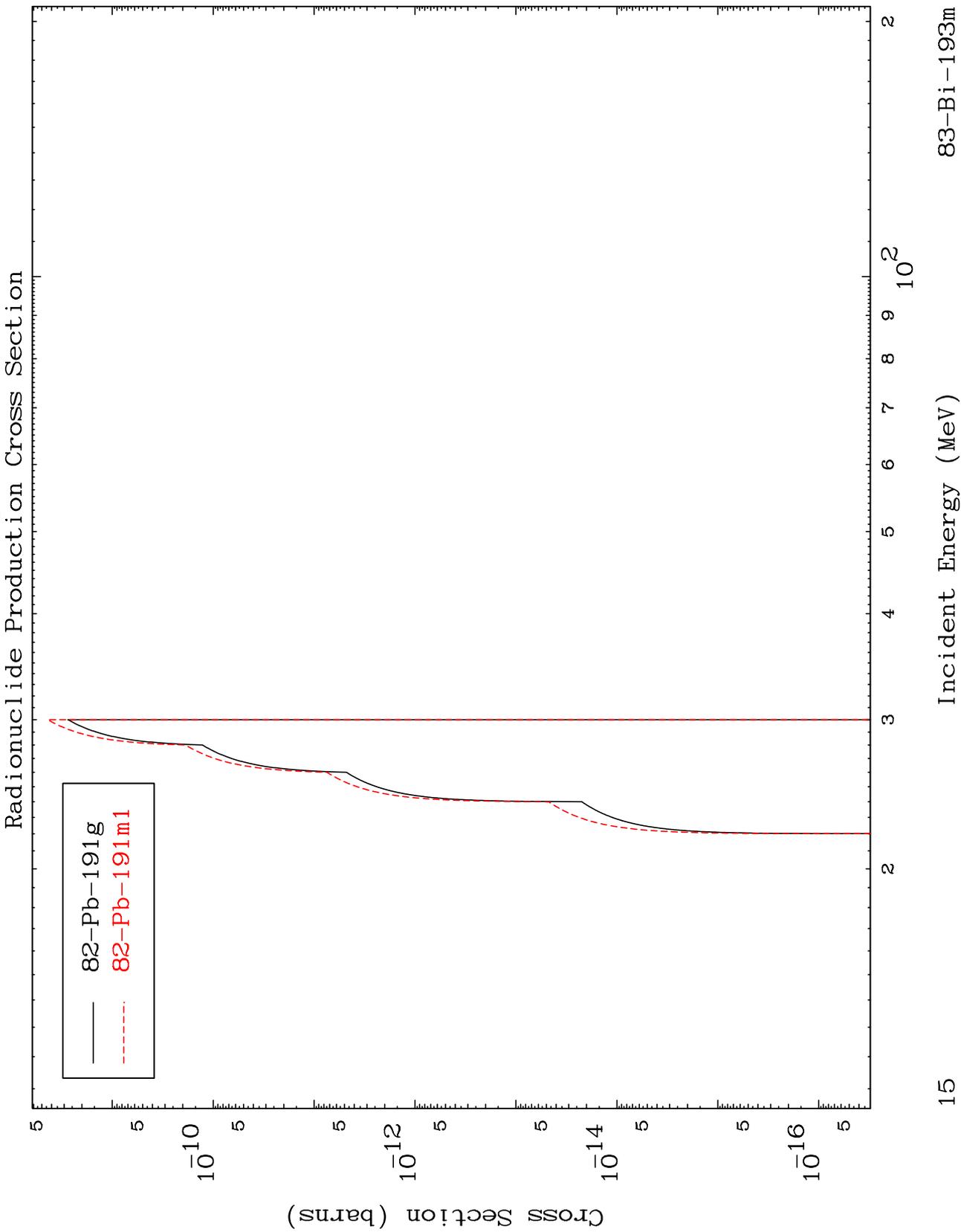
Incident Energy (MeV)

83-Bi-193m

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(n,n') p α

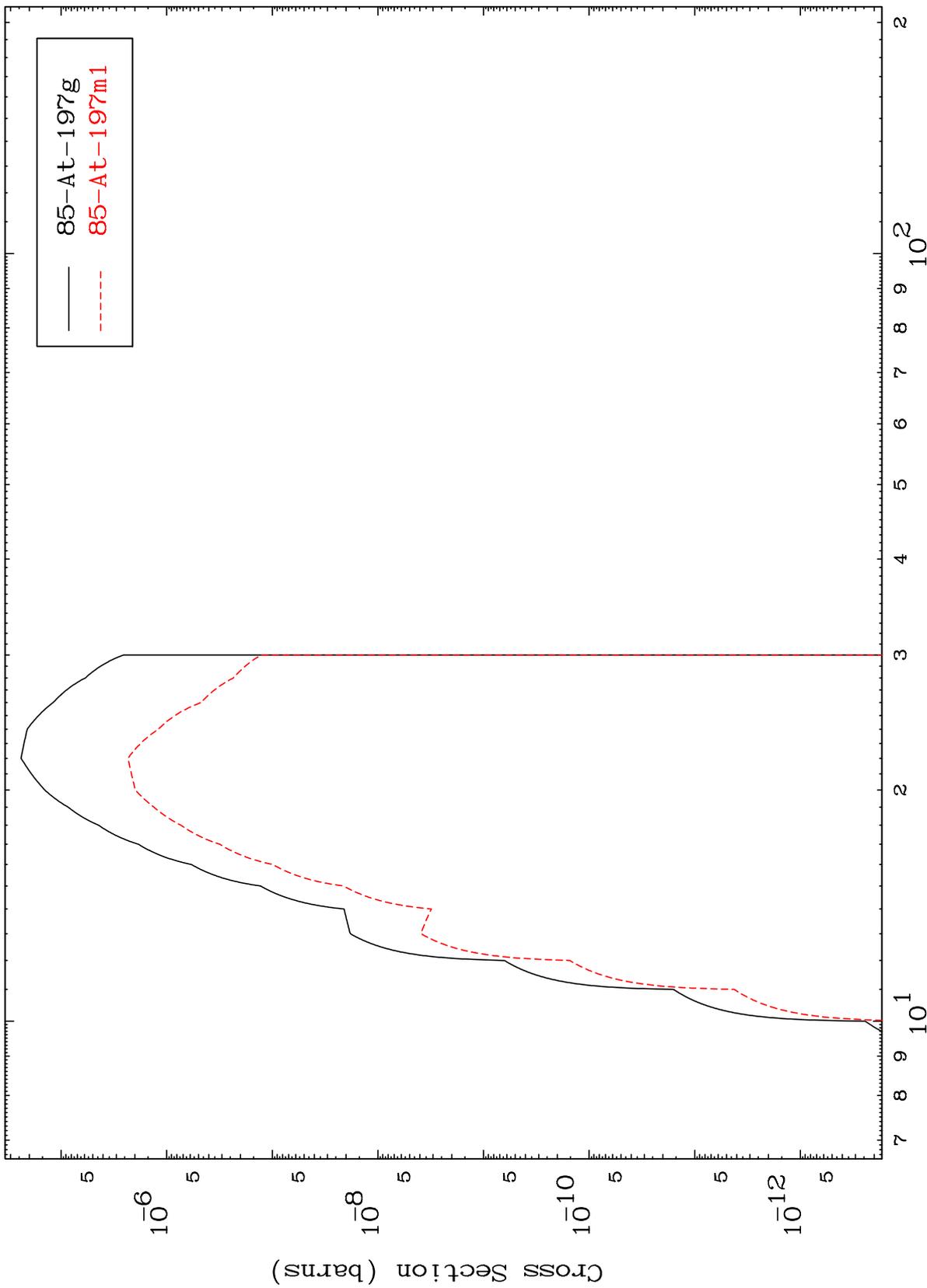
83-Bi-193m



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83-Bi-193m

(n,γ)
Radionuclide Production Cross Section



16

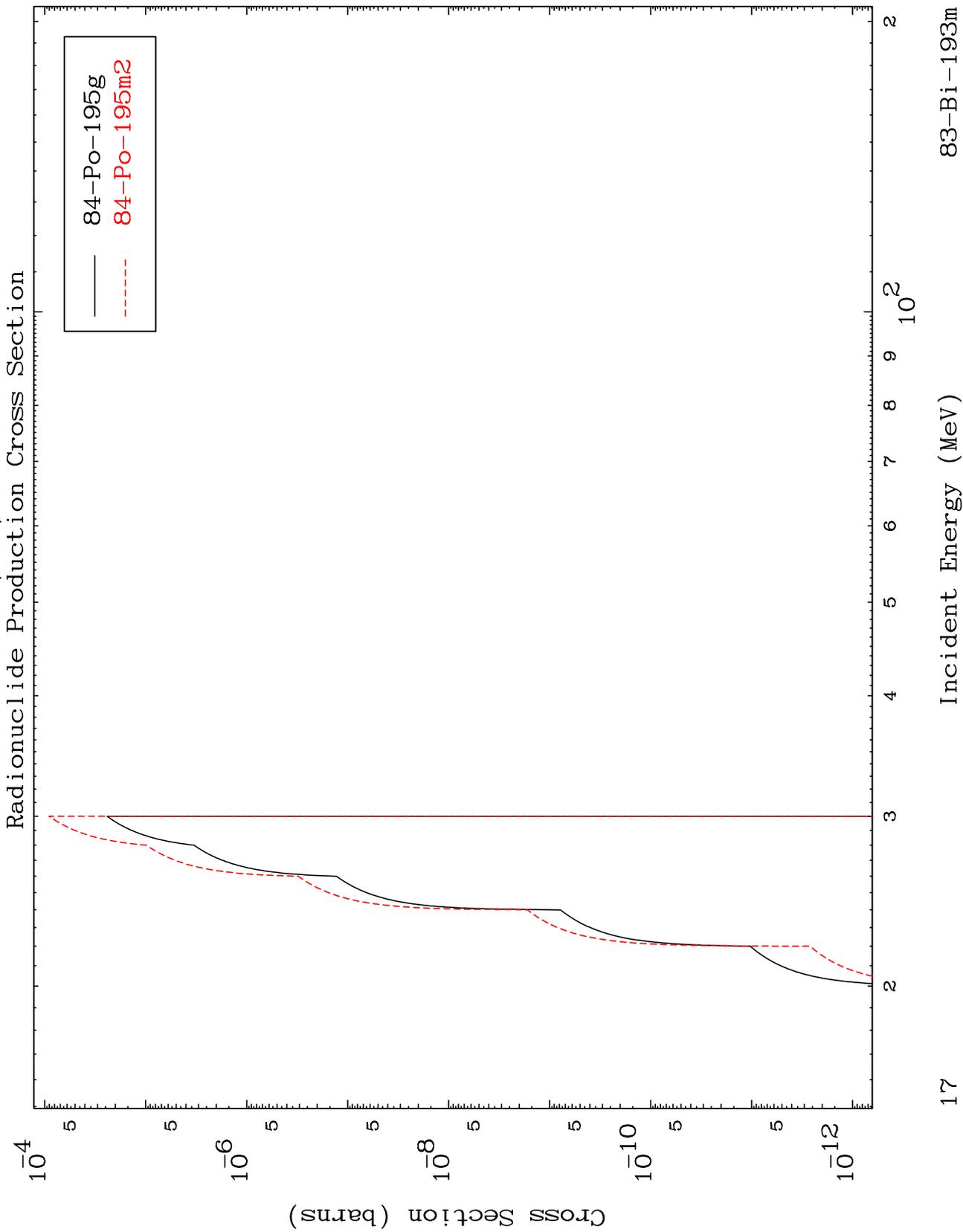
Incident Energy (MeV)

83-Bi-193m

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(n,d)

83-Bi-193m



17

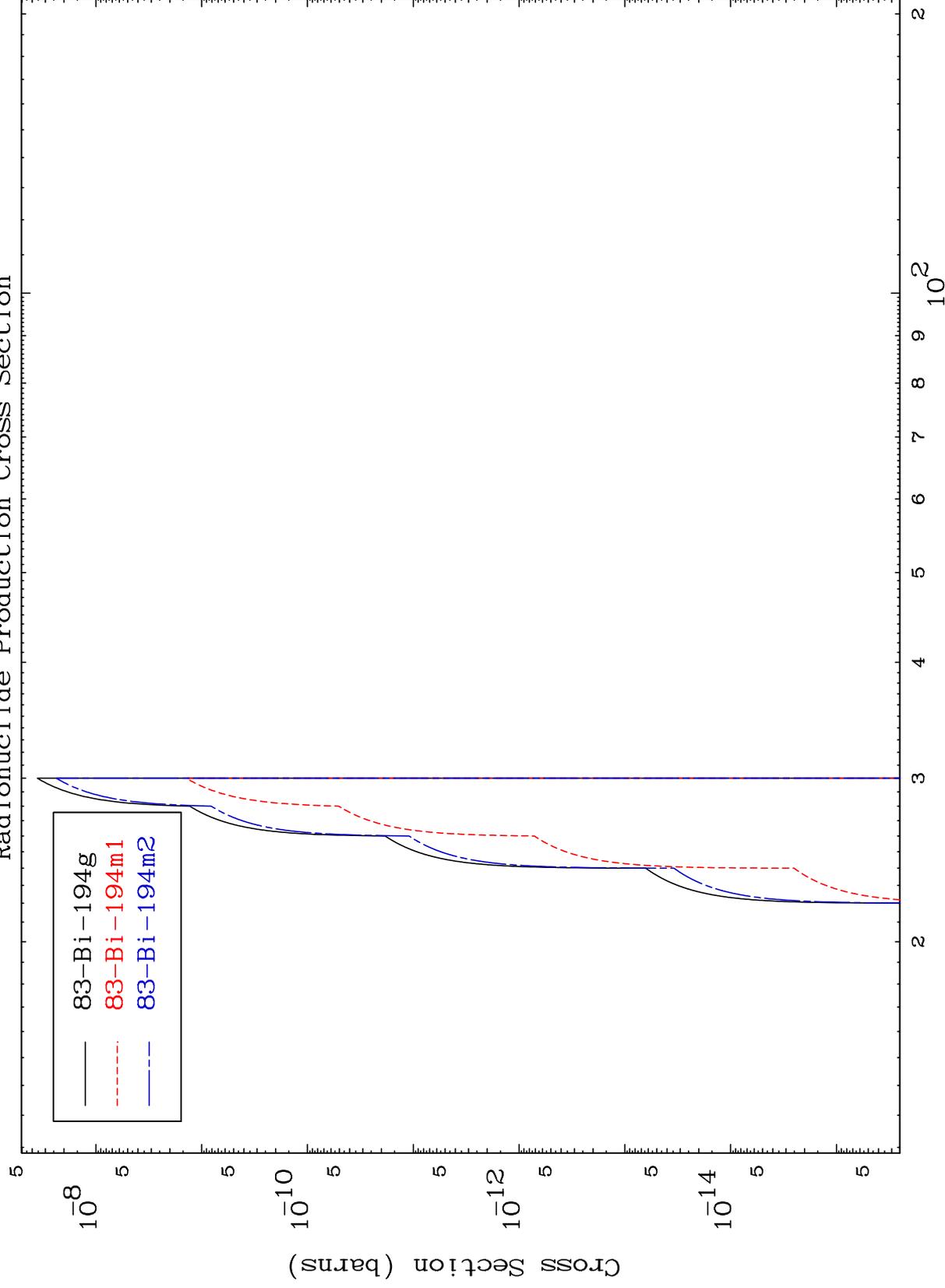
83-Bi-193m

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(n,He-3)

83-Bi-193m

Radionuclide Production Cross Section



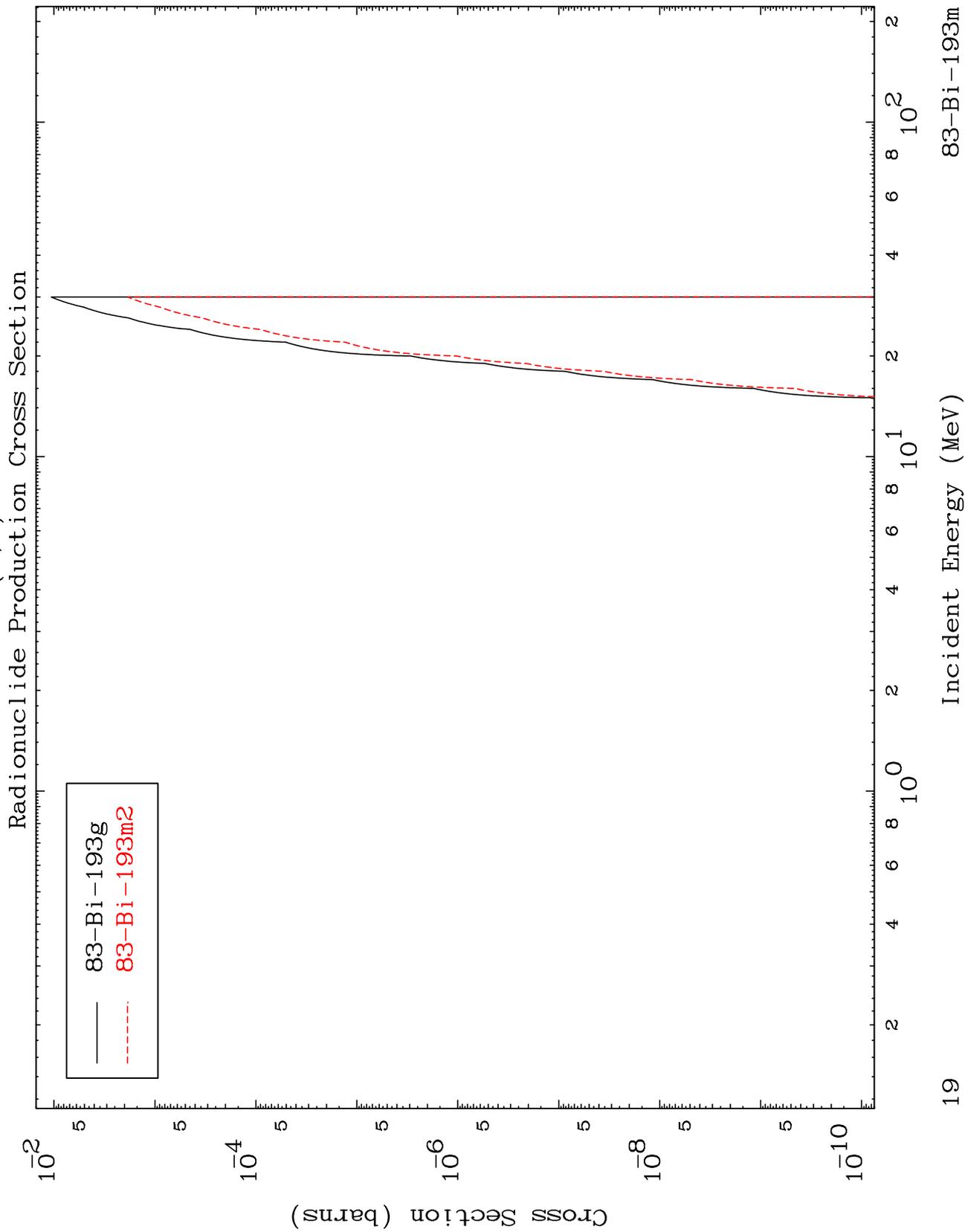
18

Incident Energy (MeV)

83-Bi-193m

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$^{83}\text{Bi}-193\text{m}$



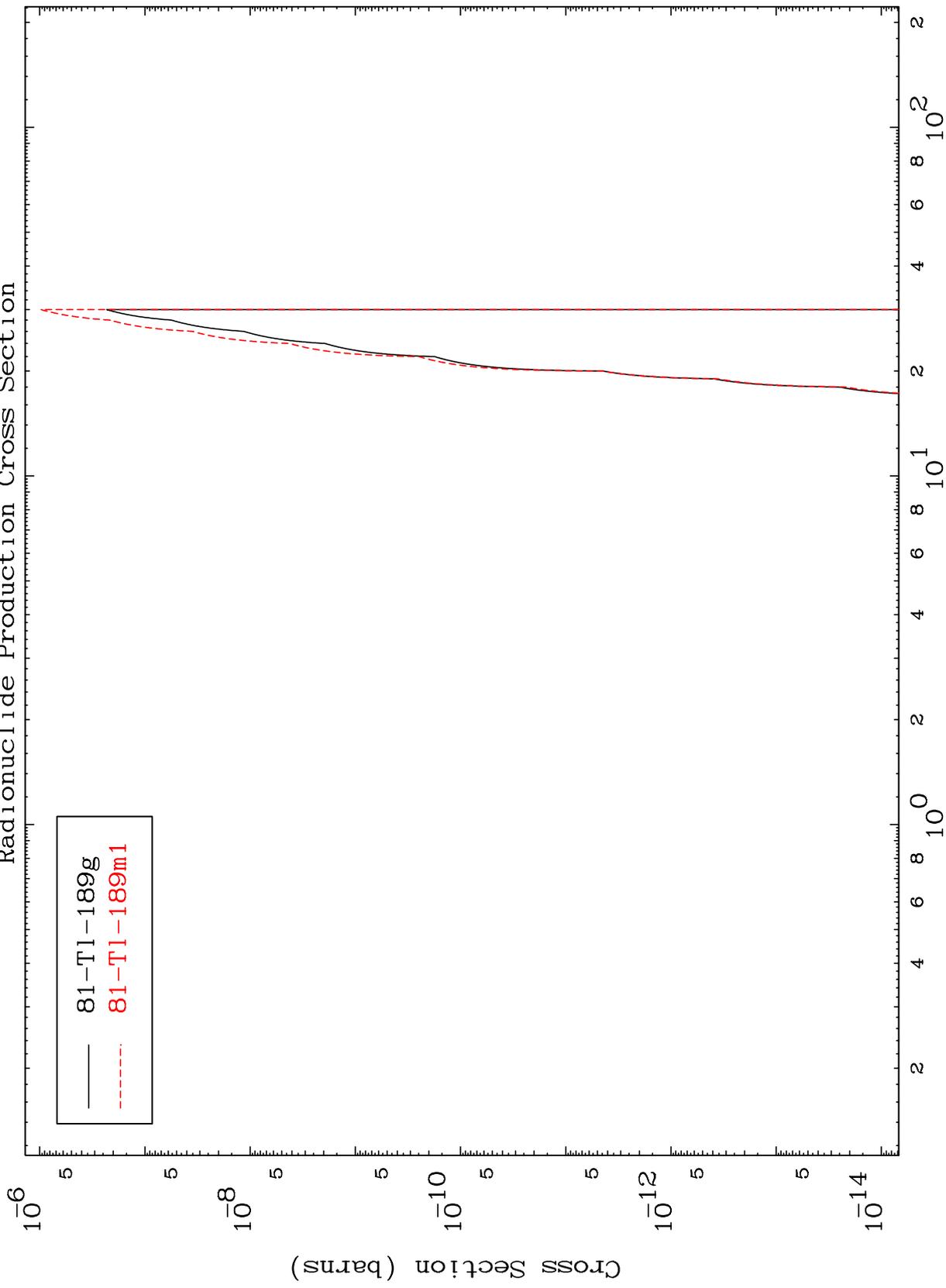
— $^{83}\text{Bi}-193\text{g}$
- - - $^{83}\text{Bi}-193\text{m}2$

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83-Bi-193m

Radionuclide Production Cross Section

(n,2α)



81-Tl-189g
81-Tl-189m1

Incident Energy (MeV)

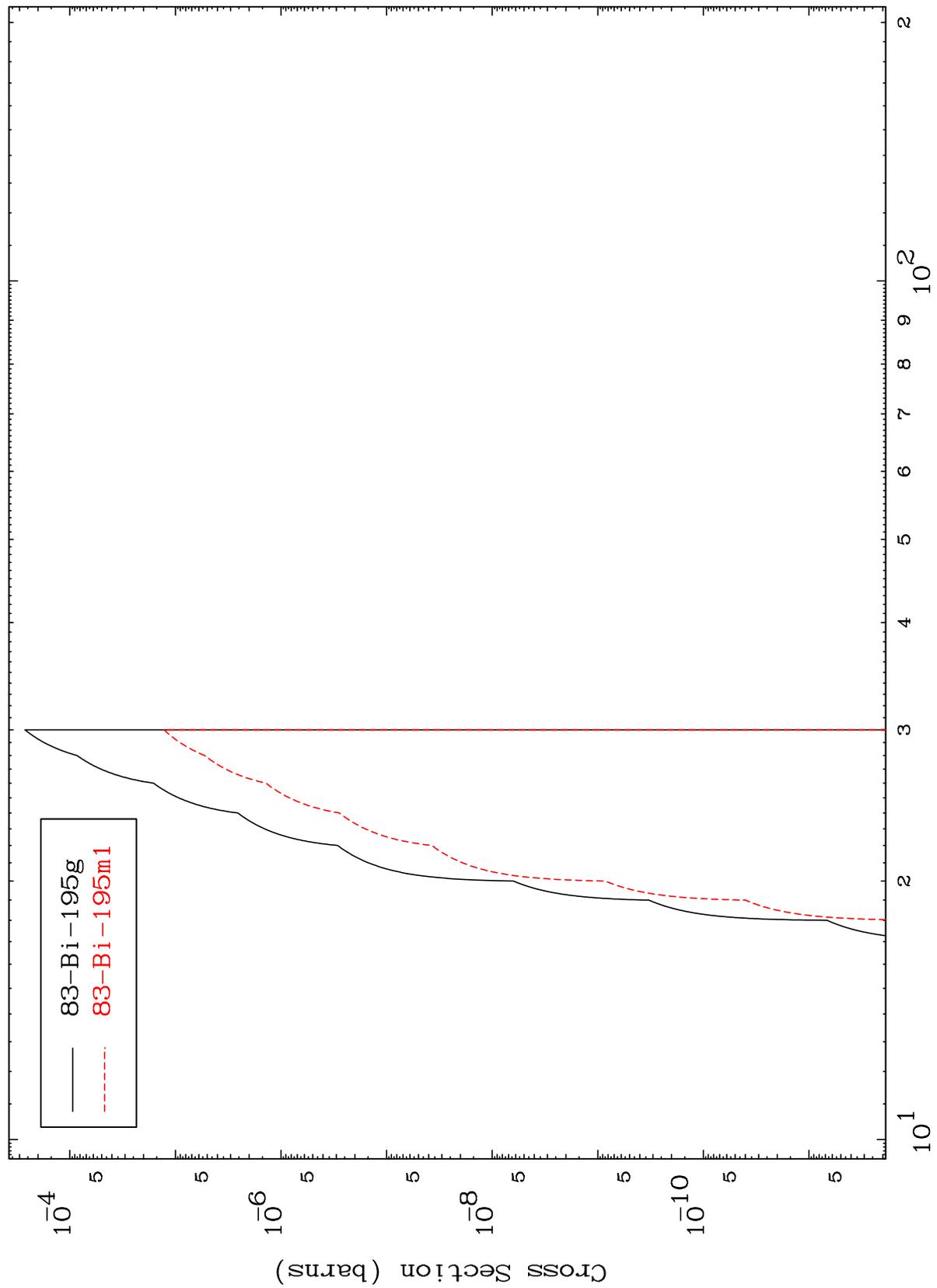
83-Bi-193m

20

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83-Bi-193m

(n,2p)
Radionuclide Production Cross Section



83-Bi-193m

Incident Energy (MeV)

21