

Program EVALPLOT
(Version 2021-1)

by

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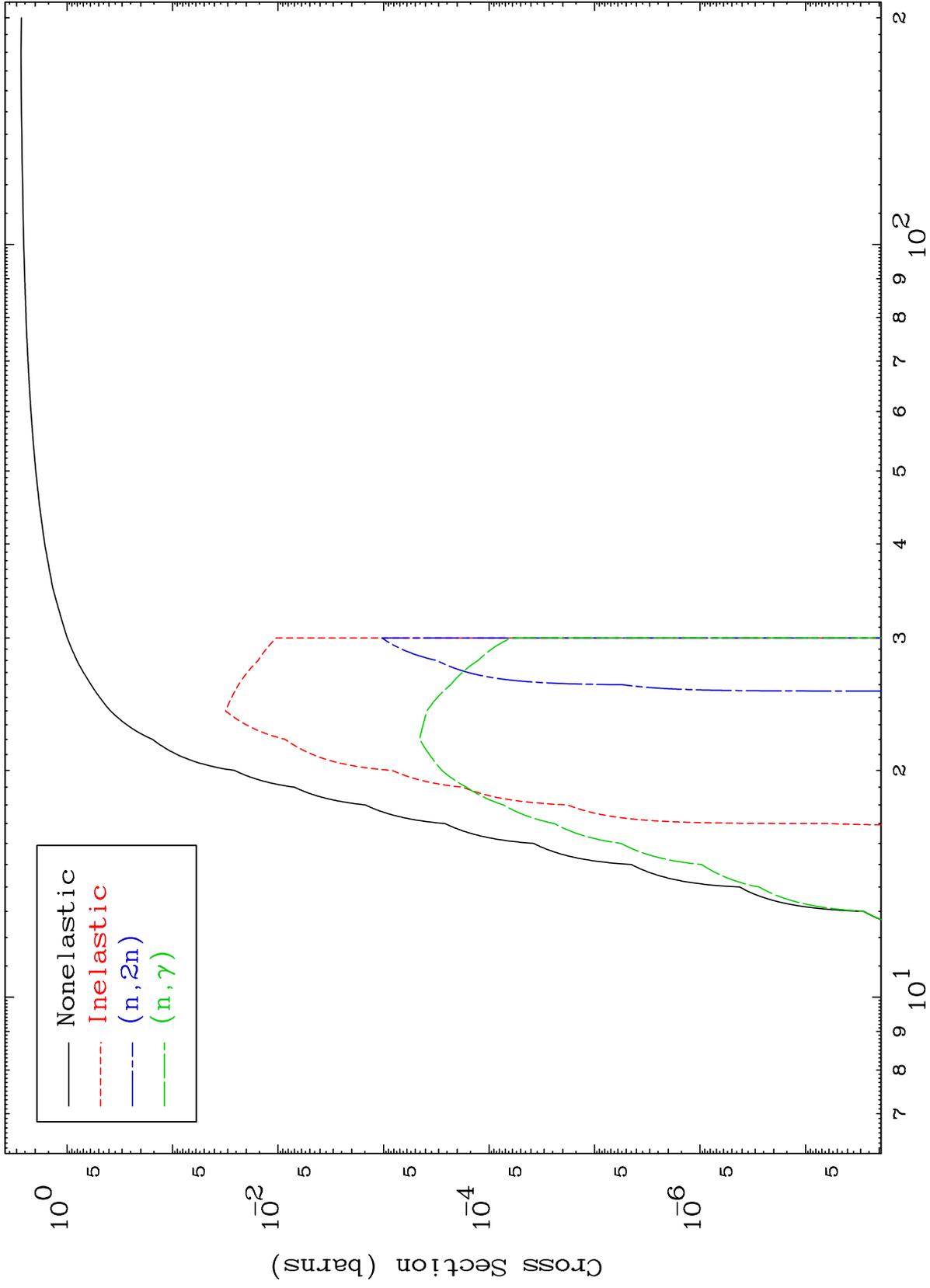
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Press Mouse Button to Start

MAT 8284

0 Kelvin Cross Sections

83-Bi-195m



1

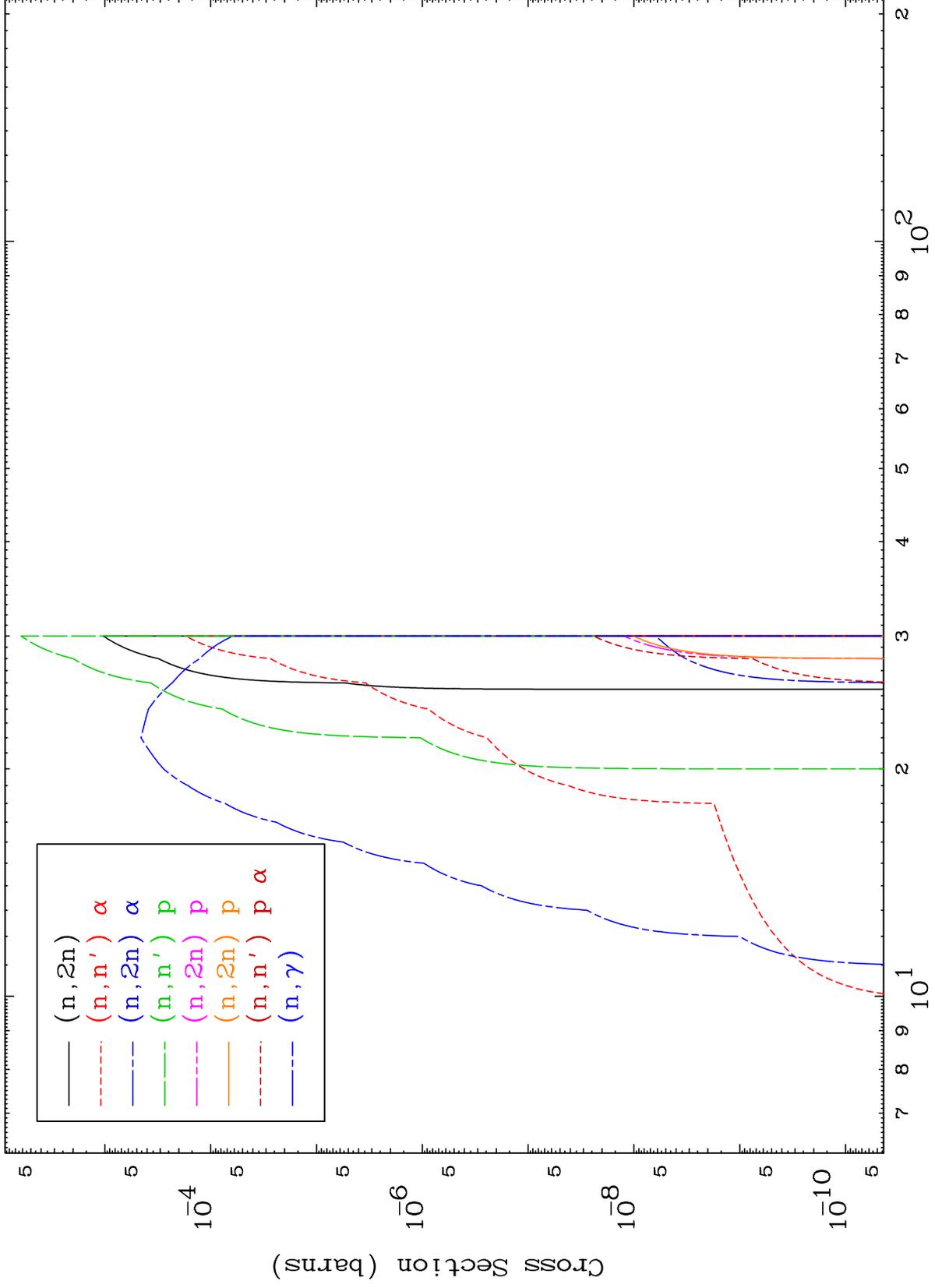
Incident Energy (MeV)

83-Bi-195m

MAT 8284

α Neutron Absorption
0 Kelvin Cross Sections

83-Bi-195m



2

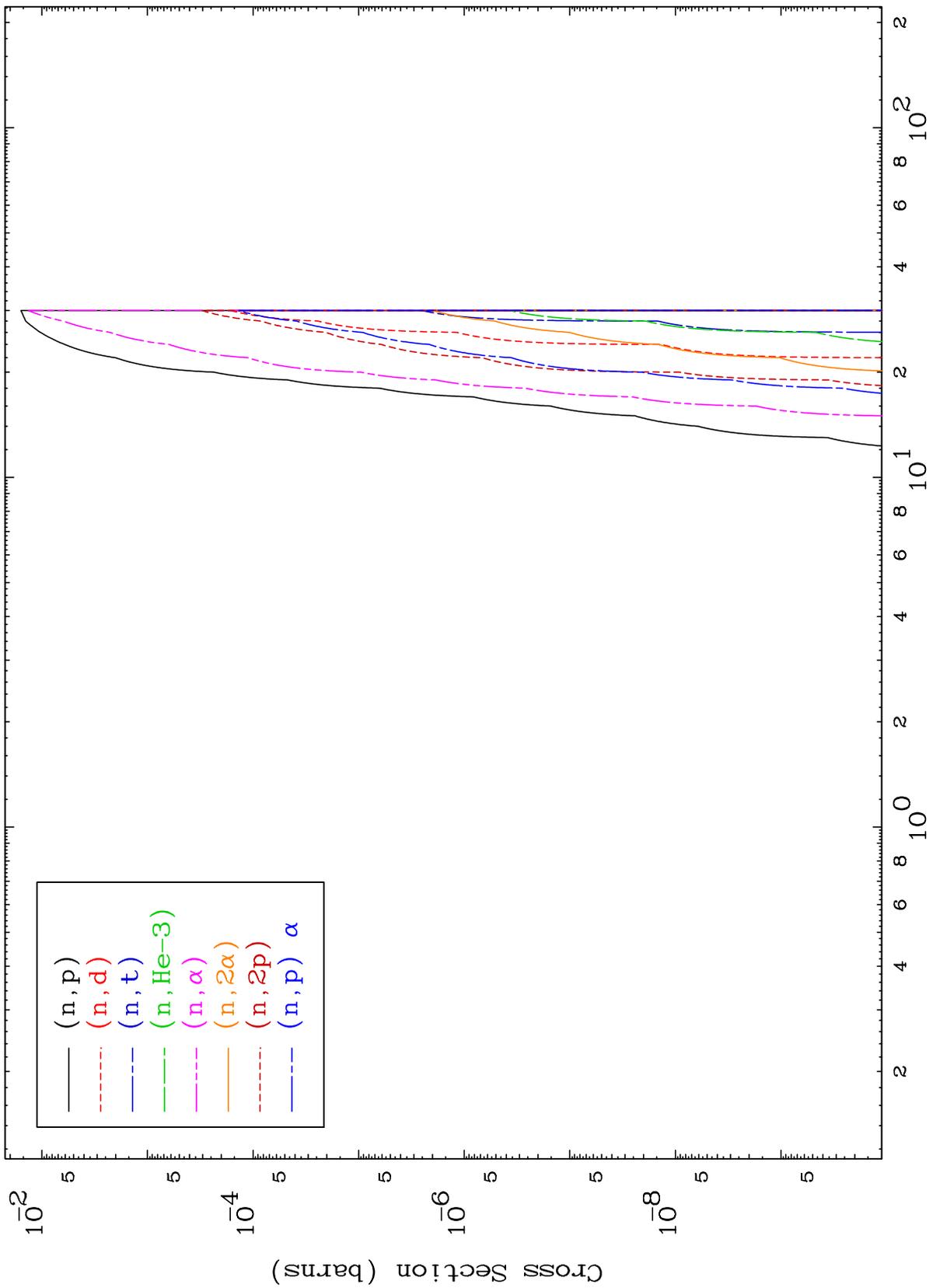
Incident Energy (MeV)

83-Bi-195m

MAT 8284

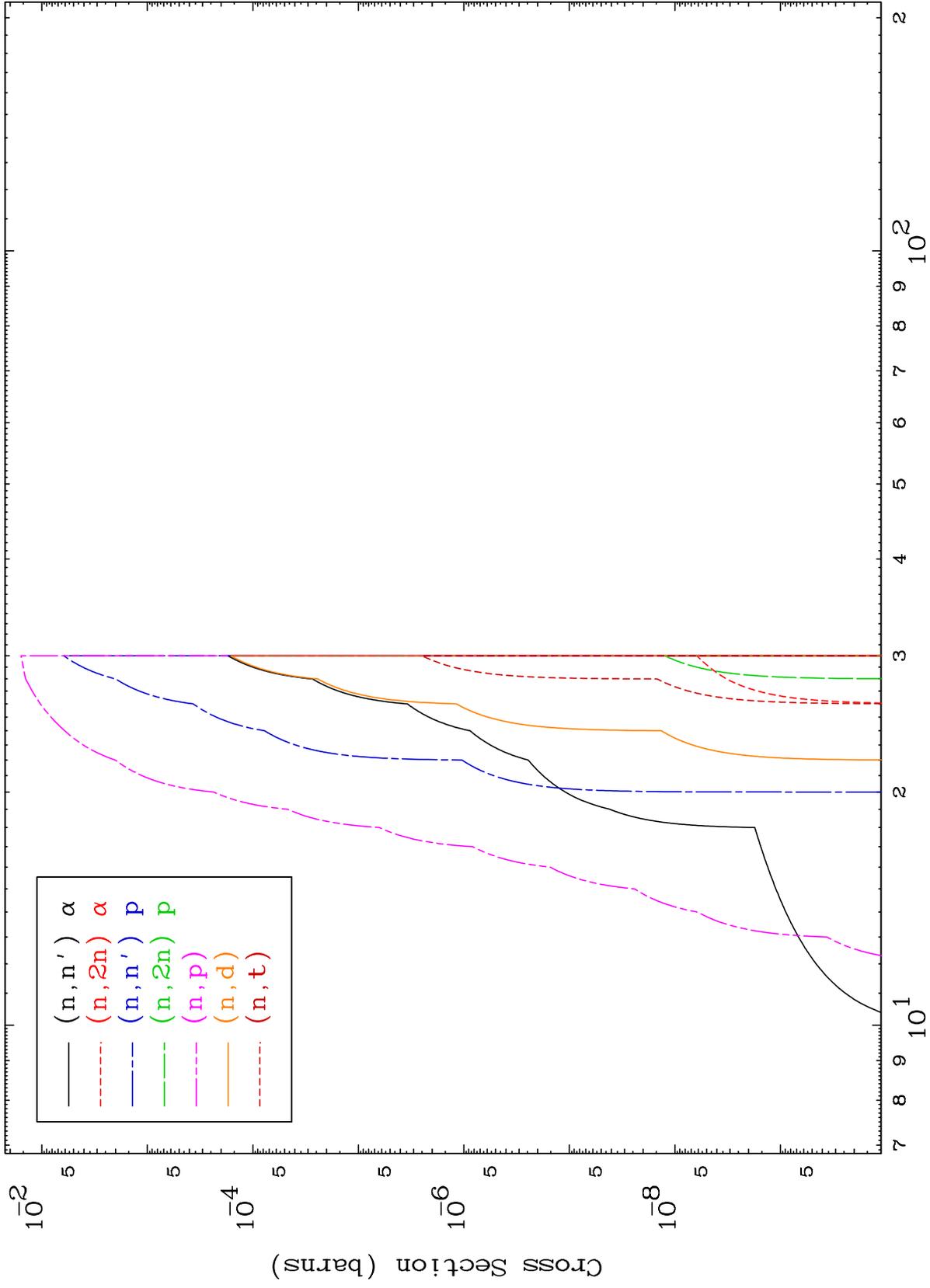
α Neutron Absorption
0 Kelvin Cross Sections

⁸³Bi-195m



Incident Energy (MeV)

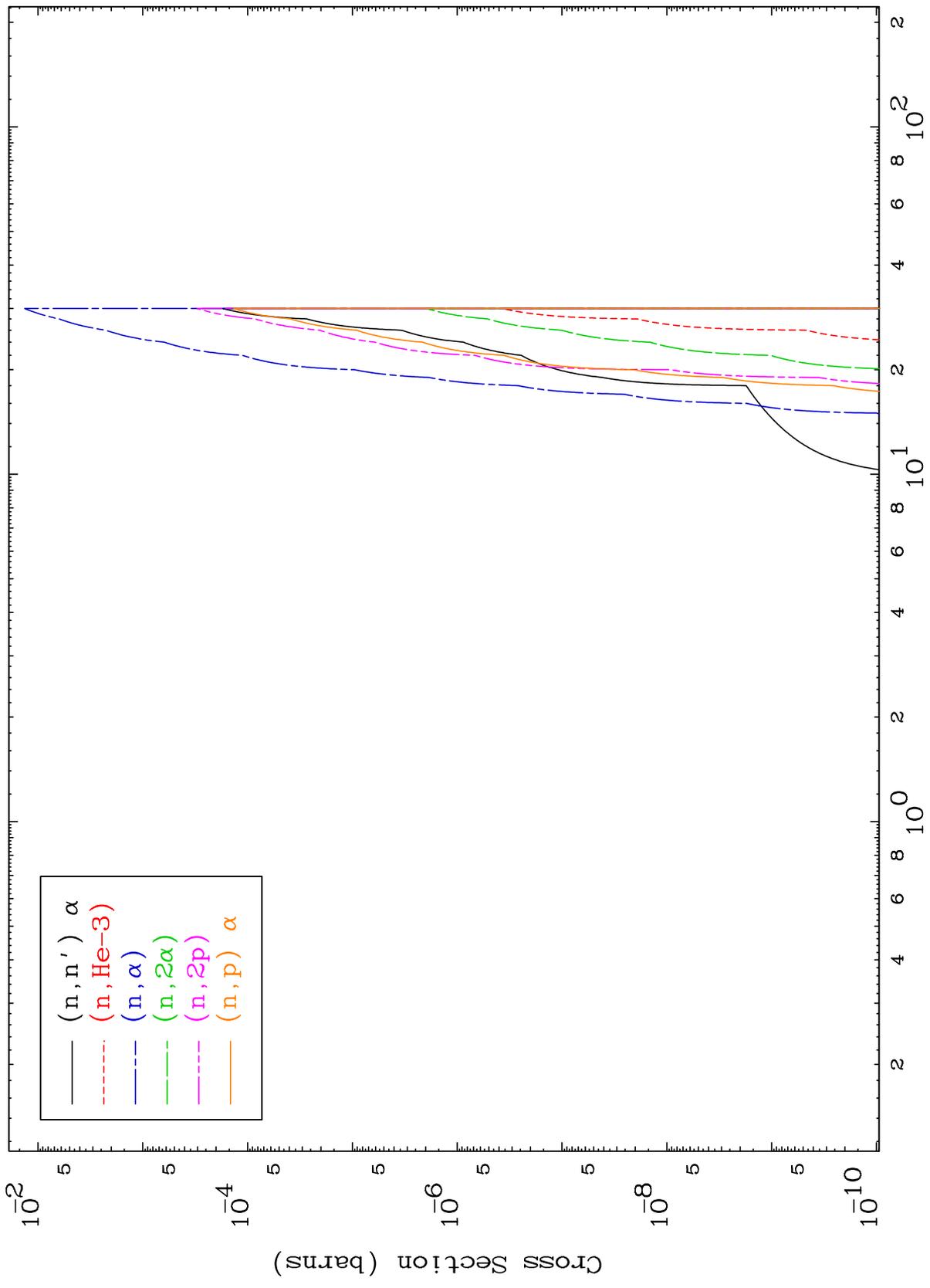
⁸³Bi-195m



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α Charged Particle
0 Kelvin Cross Sections

83-Bi-195m

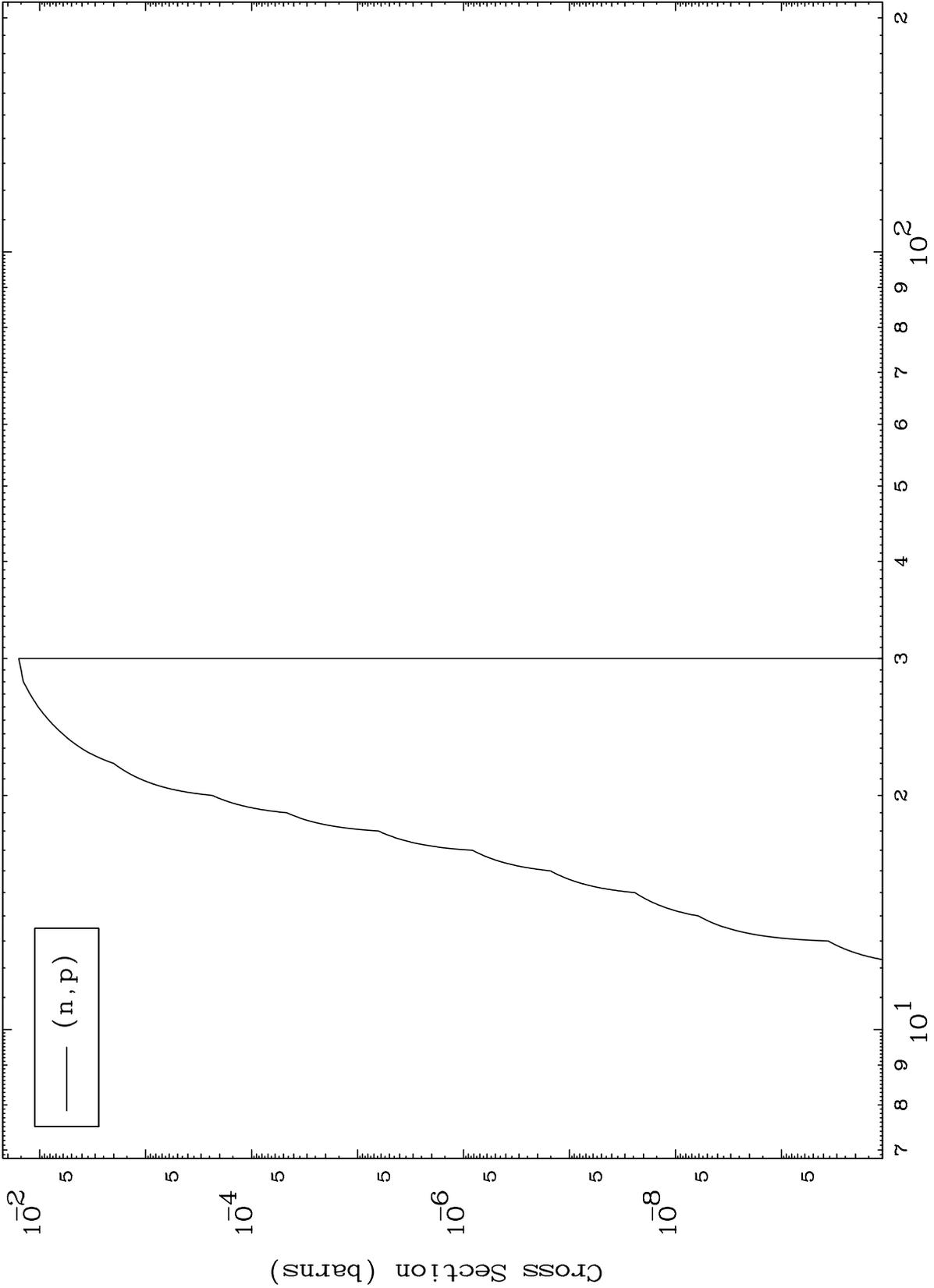


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(α, p) Levels

83-Bi-195m

0 Kelvin Cross Sections



6

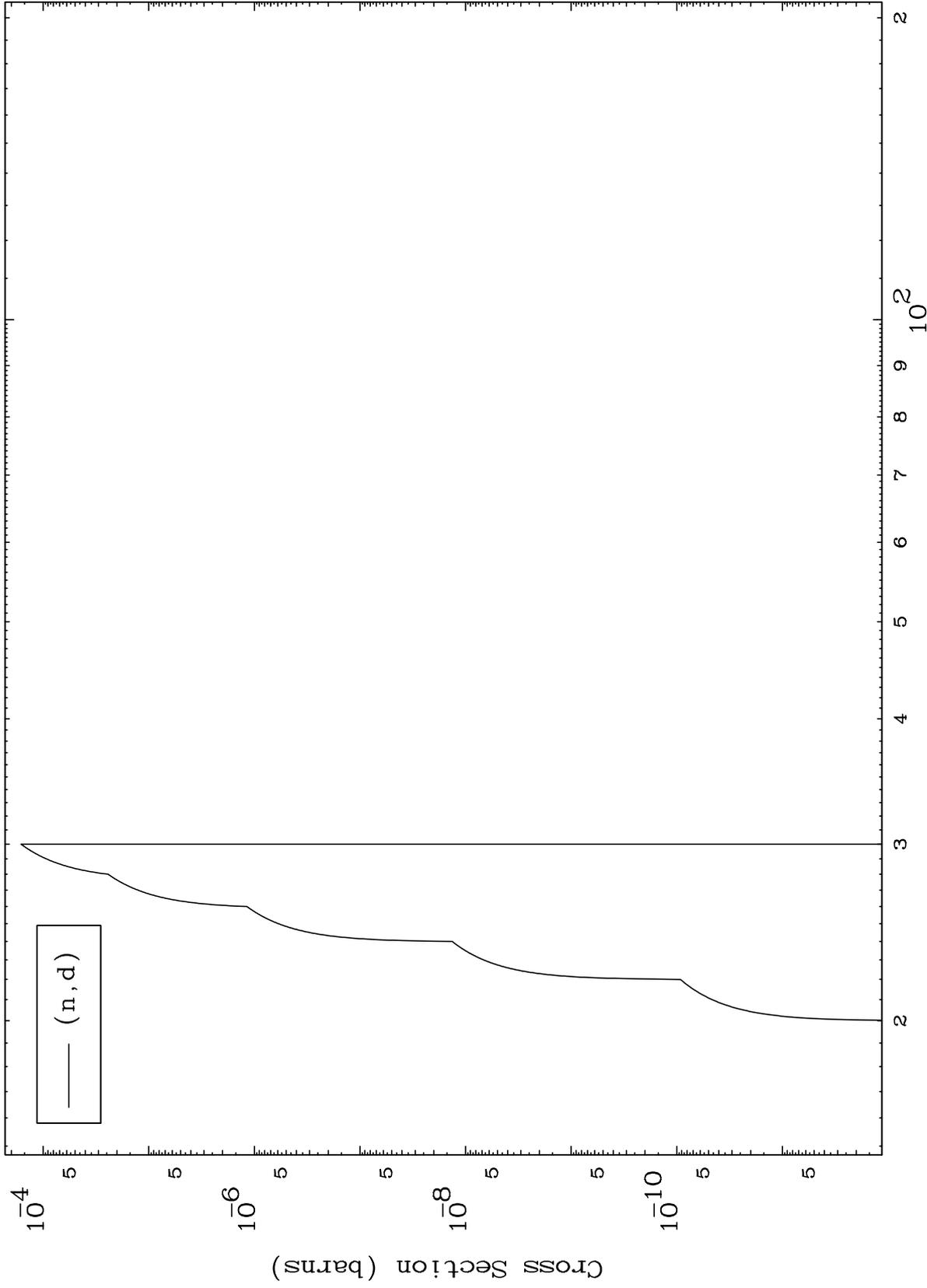
Incident Energy (MeV)

83-Bi-195m

MAT 8284

(α, d) Levels
0 Kelvin Cross Sections

83-Bi-195m



7

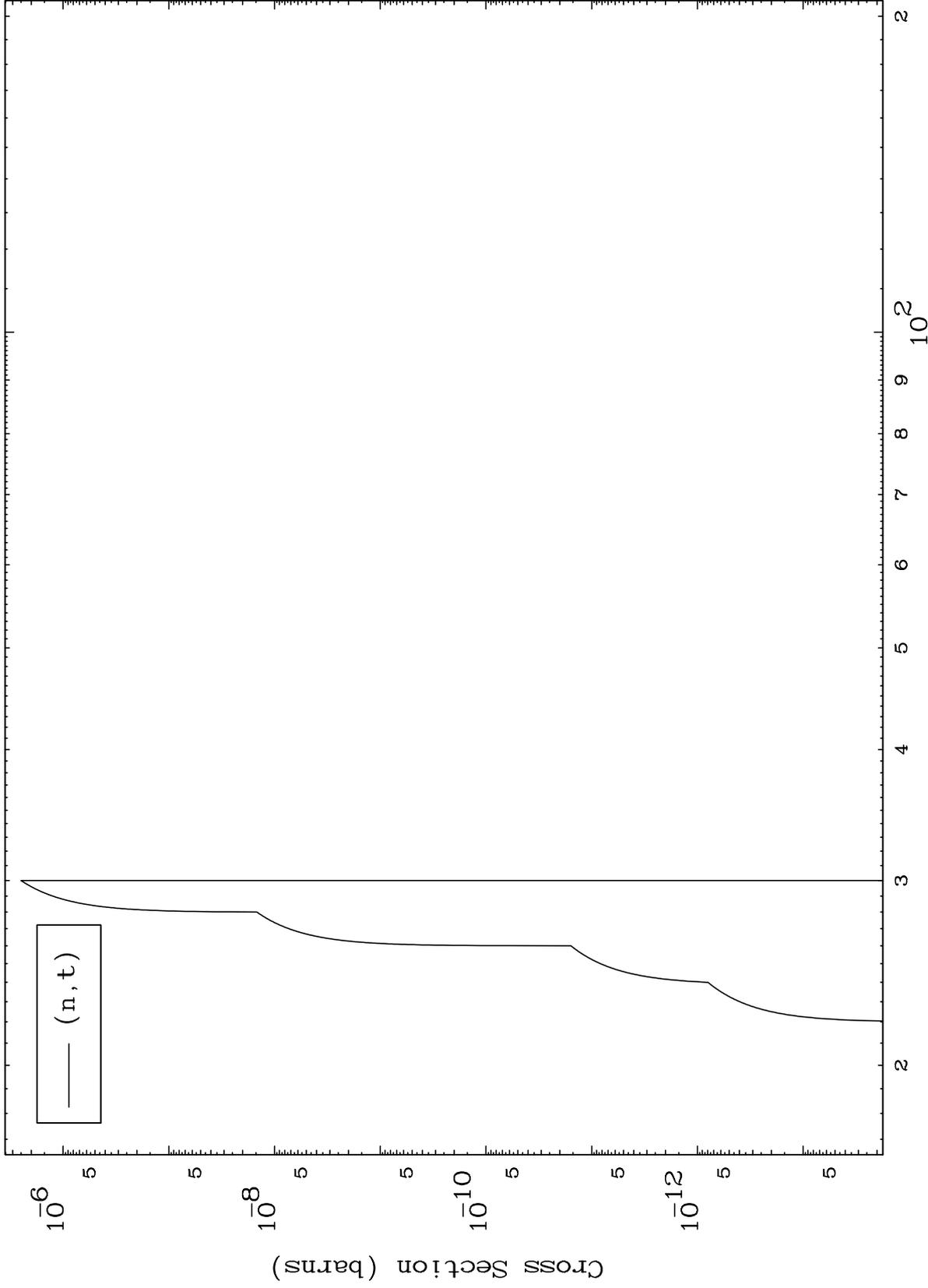
Incident Energy (MeV)

83-Bi-195m

MAT 8284

(α, t) Levels
0 Kelvin Cross Sections

83-Bi-195m



8

Incident Energy (MeV)

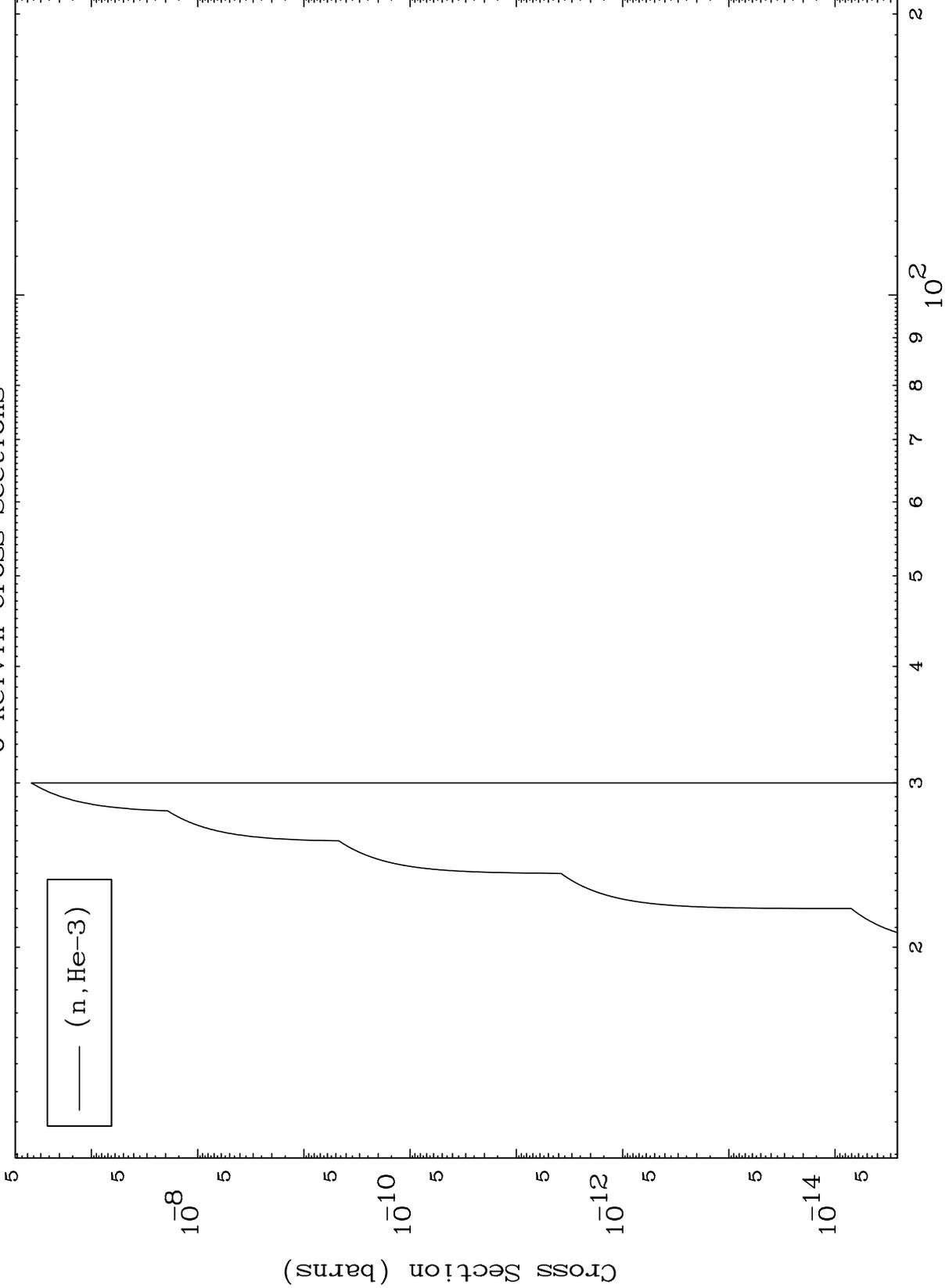
83-Bi-195m

MAT 8284

($\alpha, \text{He}3$) Levels

$^{83}\text{Bi}-195\text{m}$

0 Kelvin Cross Sections

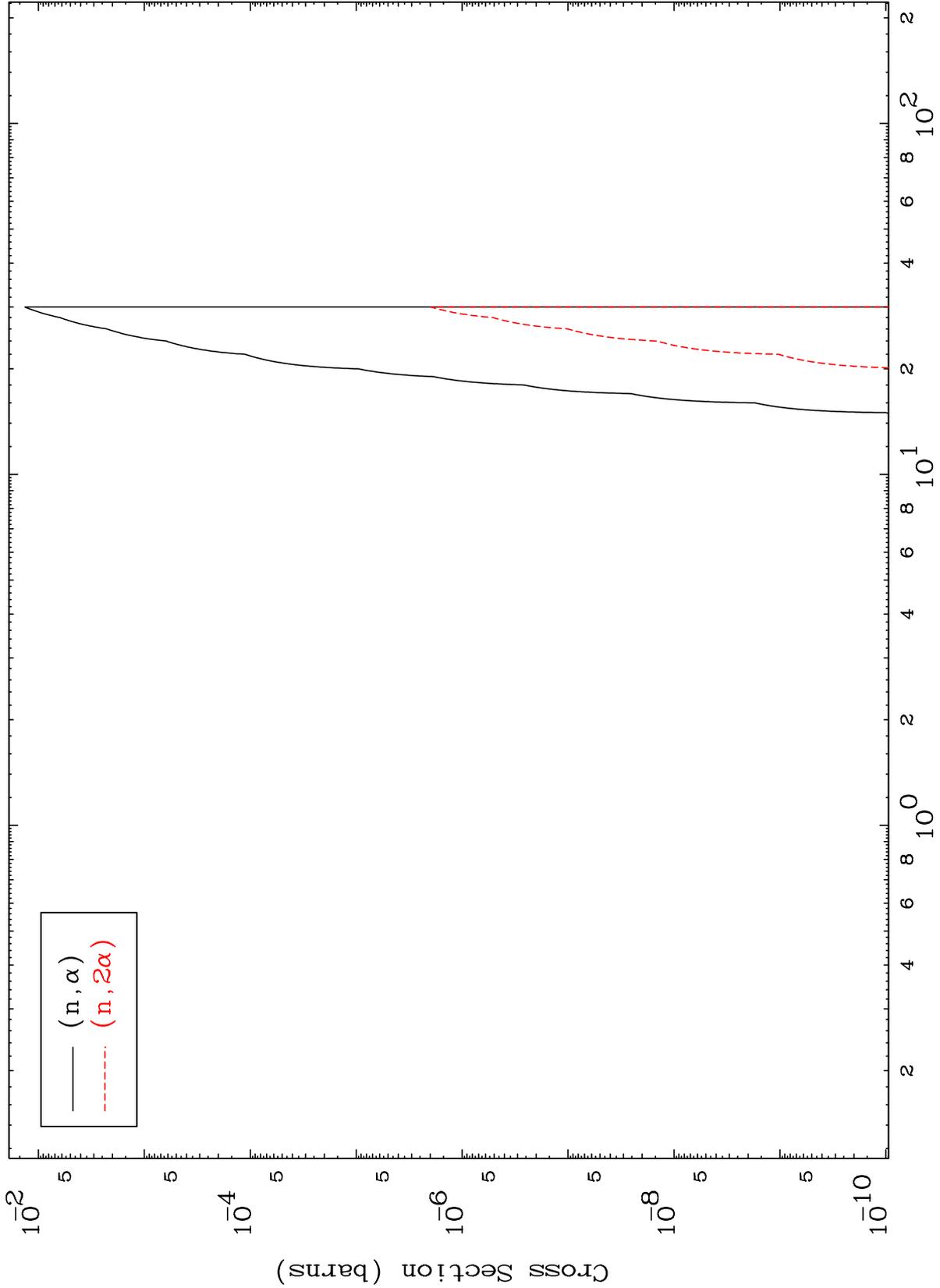


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(α, α) Levels

83-Bi-195m

0 Kelvin Cross Sections



10

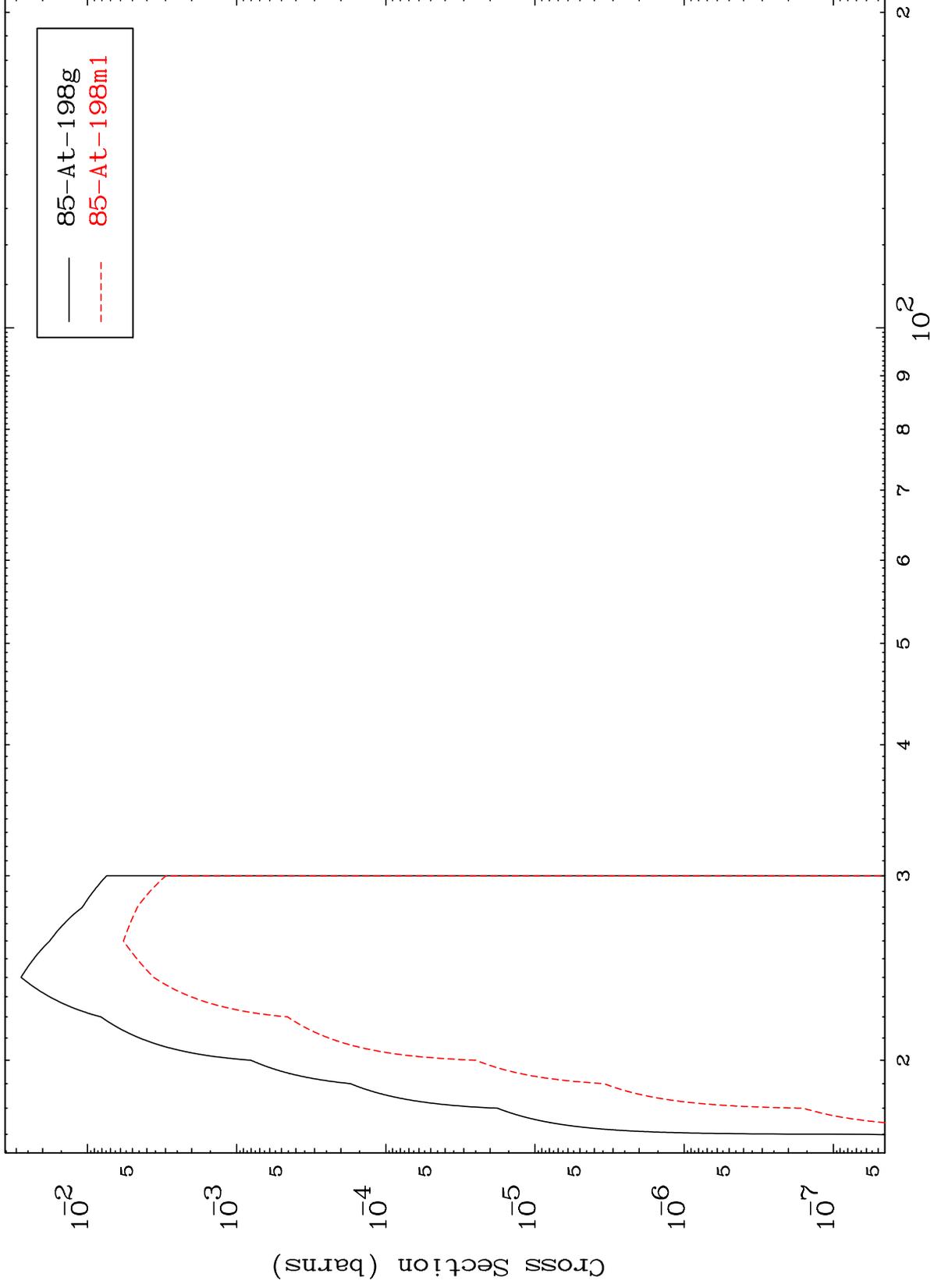
Incident Energy (MeV)

83-Bi-195m

MAT 8284

83-Bi-195m

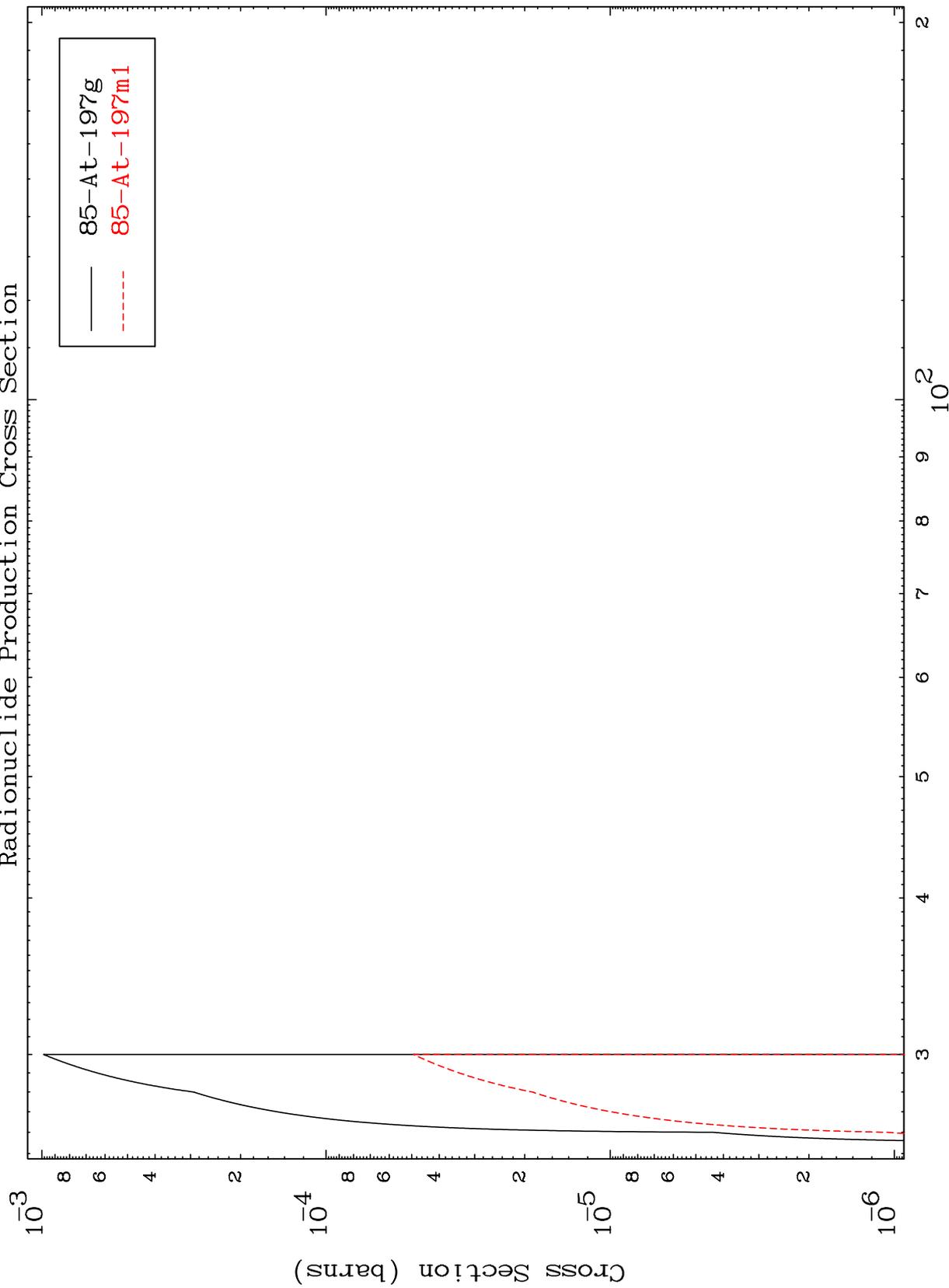
Inelastic
Radionuclide Production Cross Section



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83-Bi-195m

(n,2n)
Radionuclide Production Cross Section

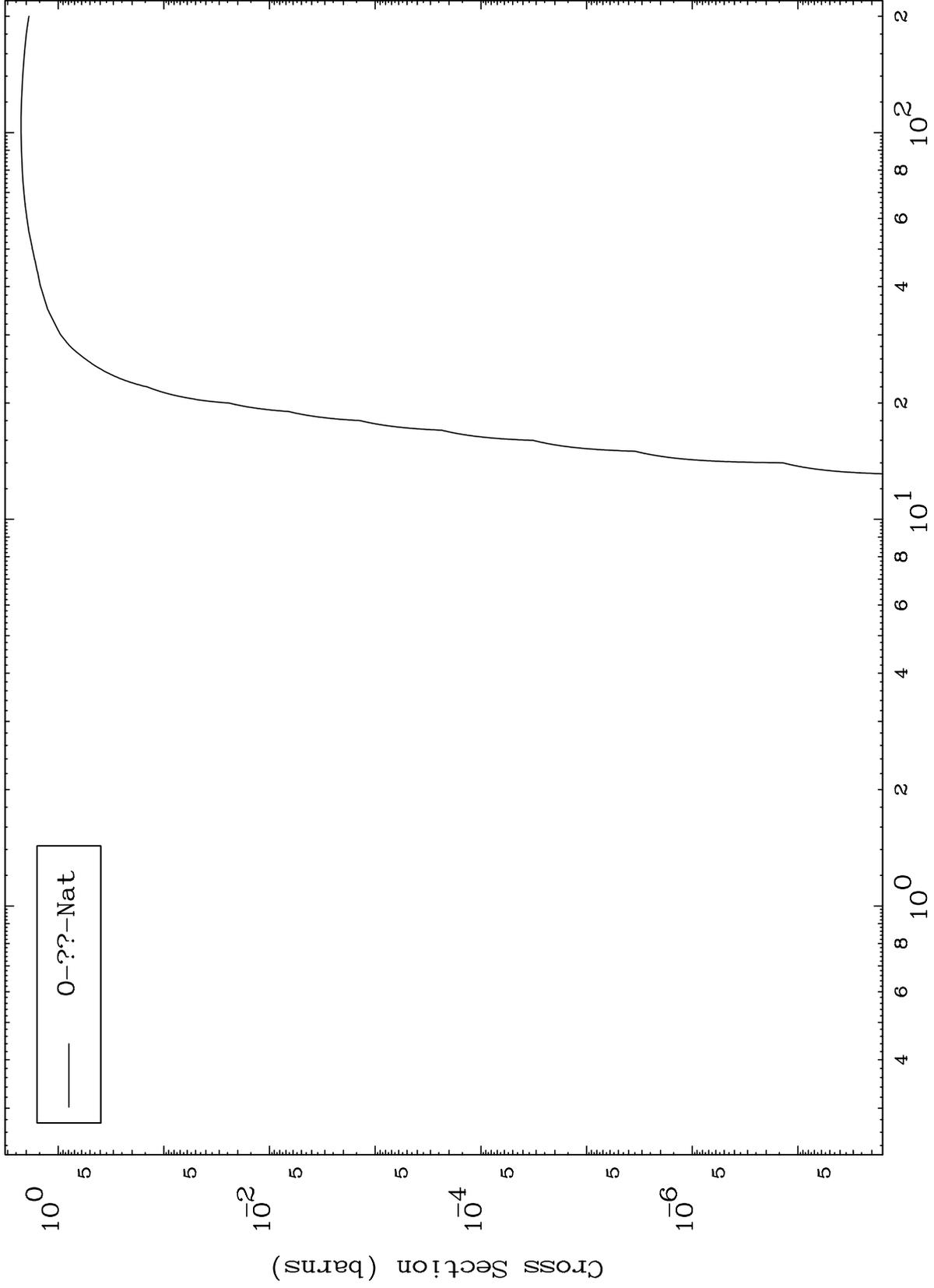


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Fission

⁸³Bi-195m

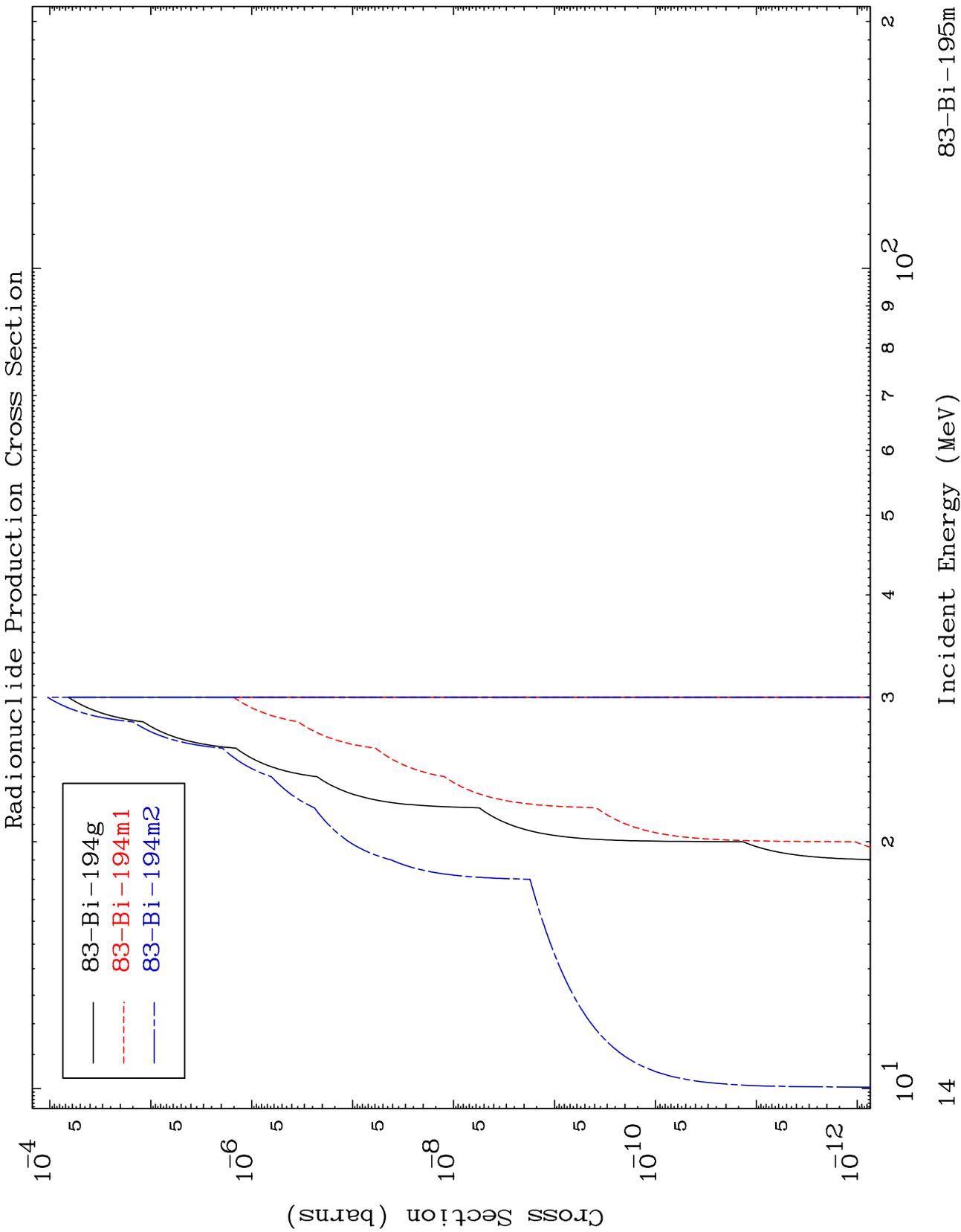
Radionuclide Production Cross Section



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$(n, n') \alpha$

$^{83}\text{Bi}-195\text{m}$



$^{83}\text{Bi}-195\text{m}$

Incident Energy (MeV)

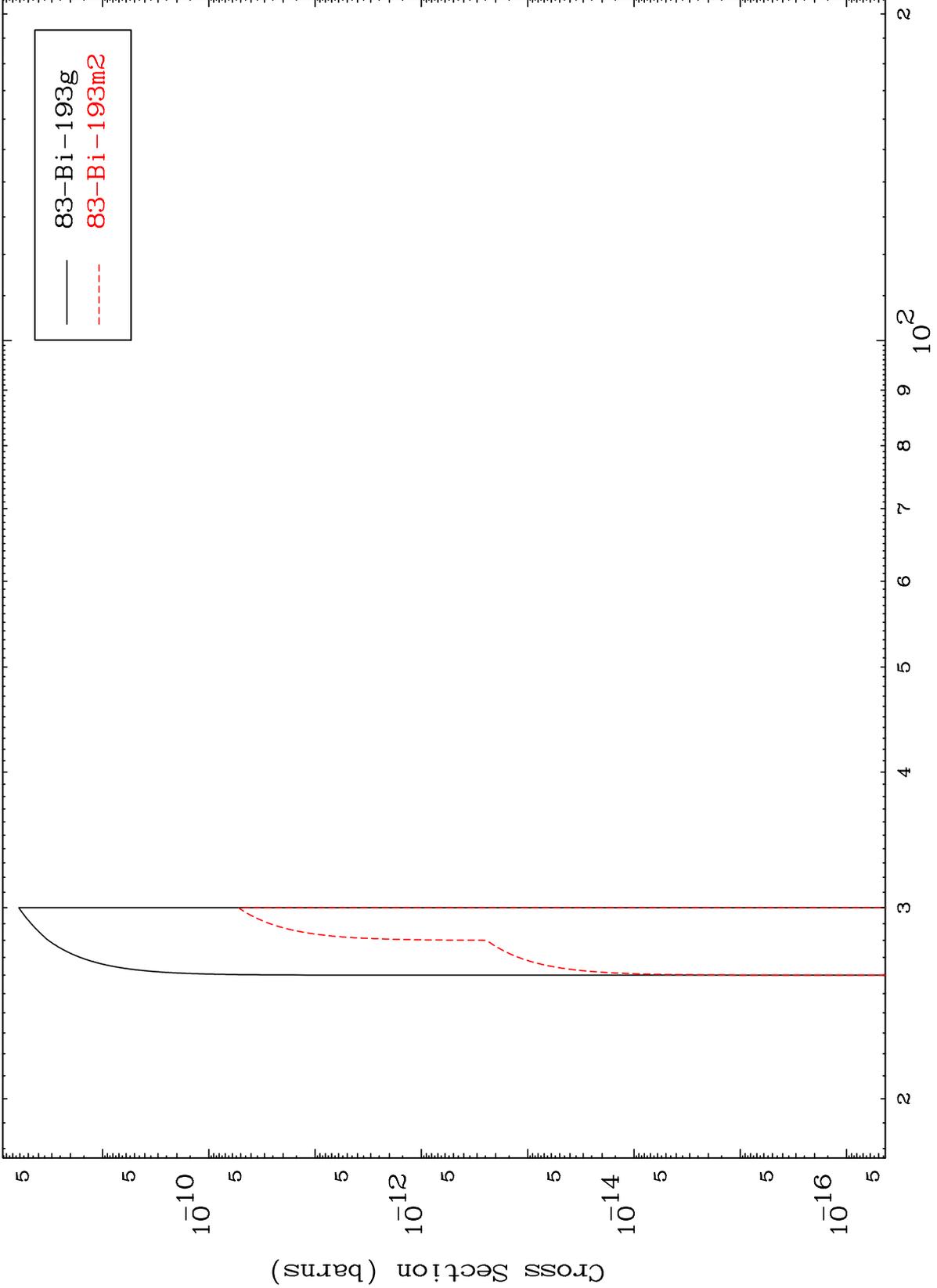
14

MAT 8284

$(n,2n) \alpha$

$^{83}\text{Bi}-195\text{m}$

Radionuclide Production Cross Section

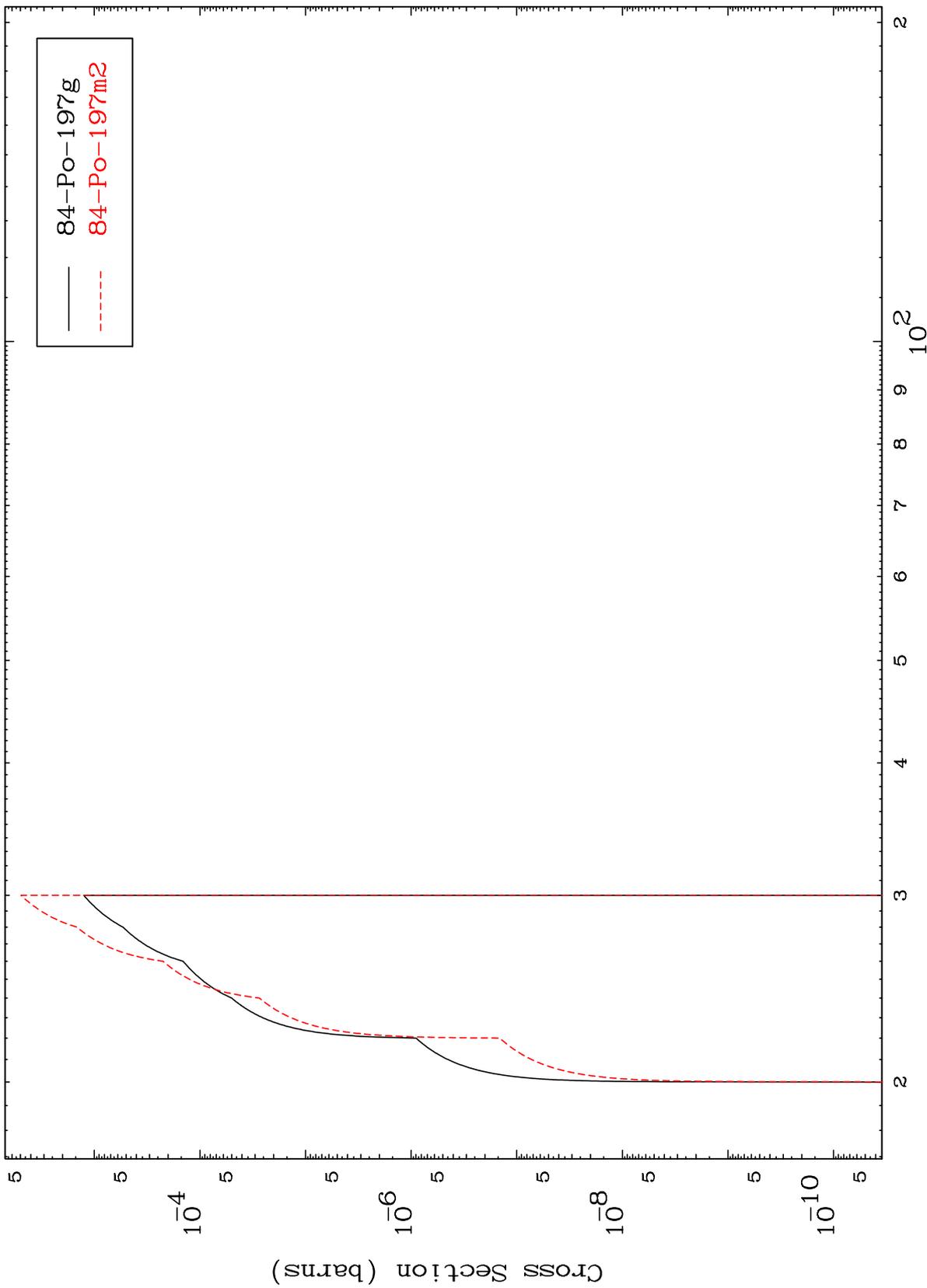


15

Incident Energy (MeV)

$^{83}\text{Bi}-195\text{m}$

Radionuclide Production Cross Section

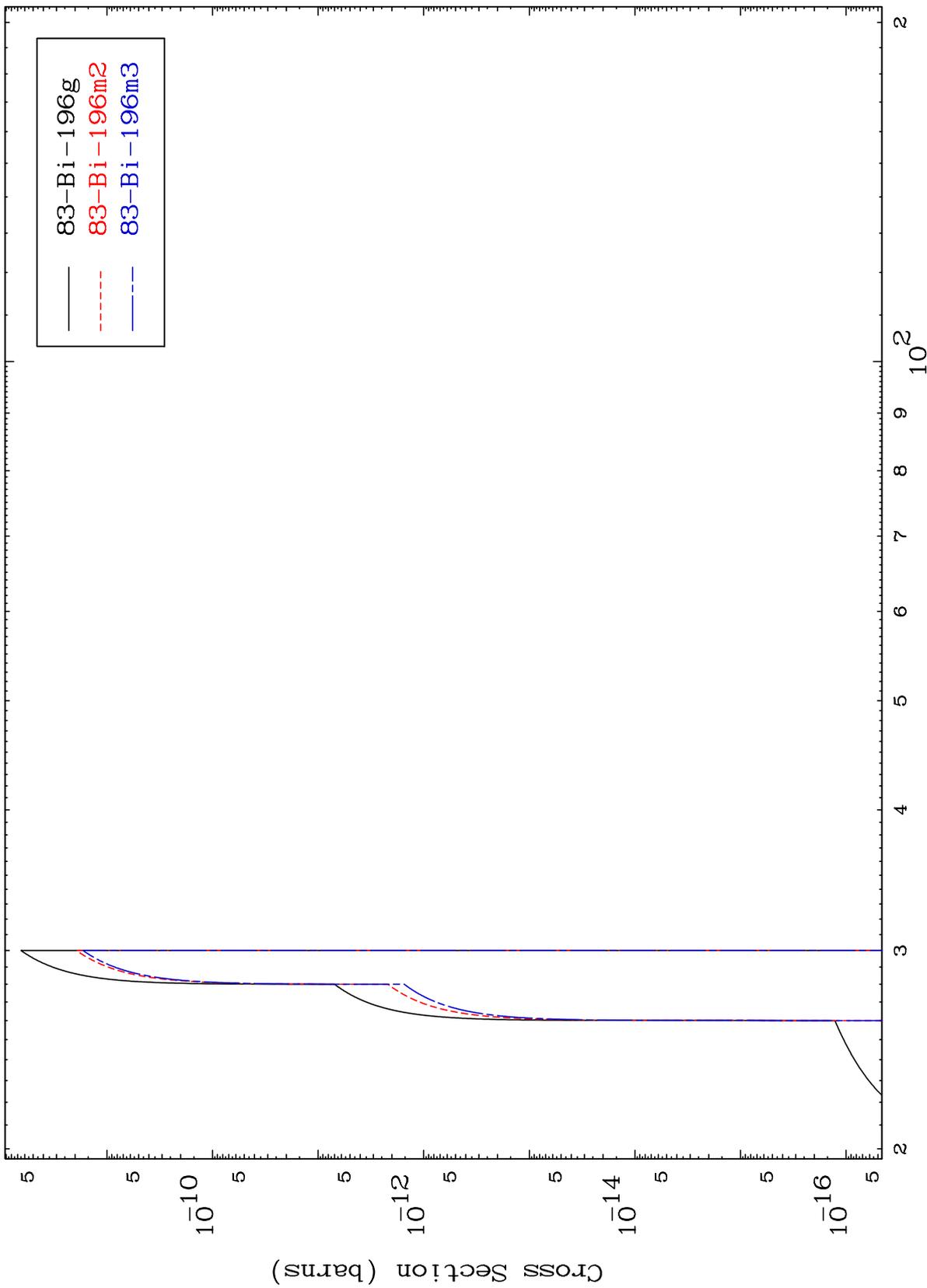


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$(n,2n)$ p

83-Bi-195m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

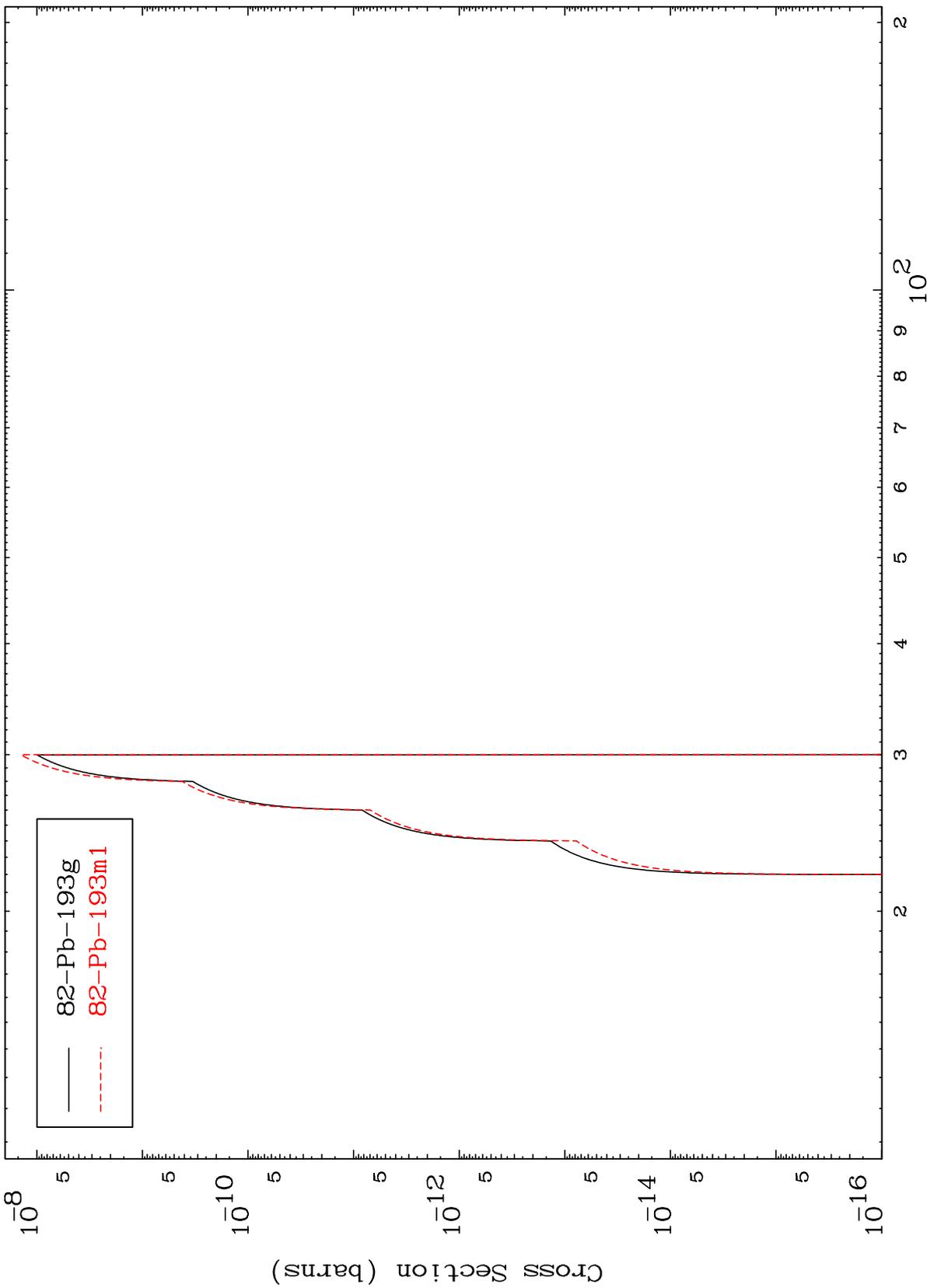
83-Bi-195m

MAT 8284

(n,n') p α

83-Bi-195m

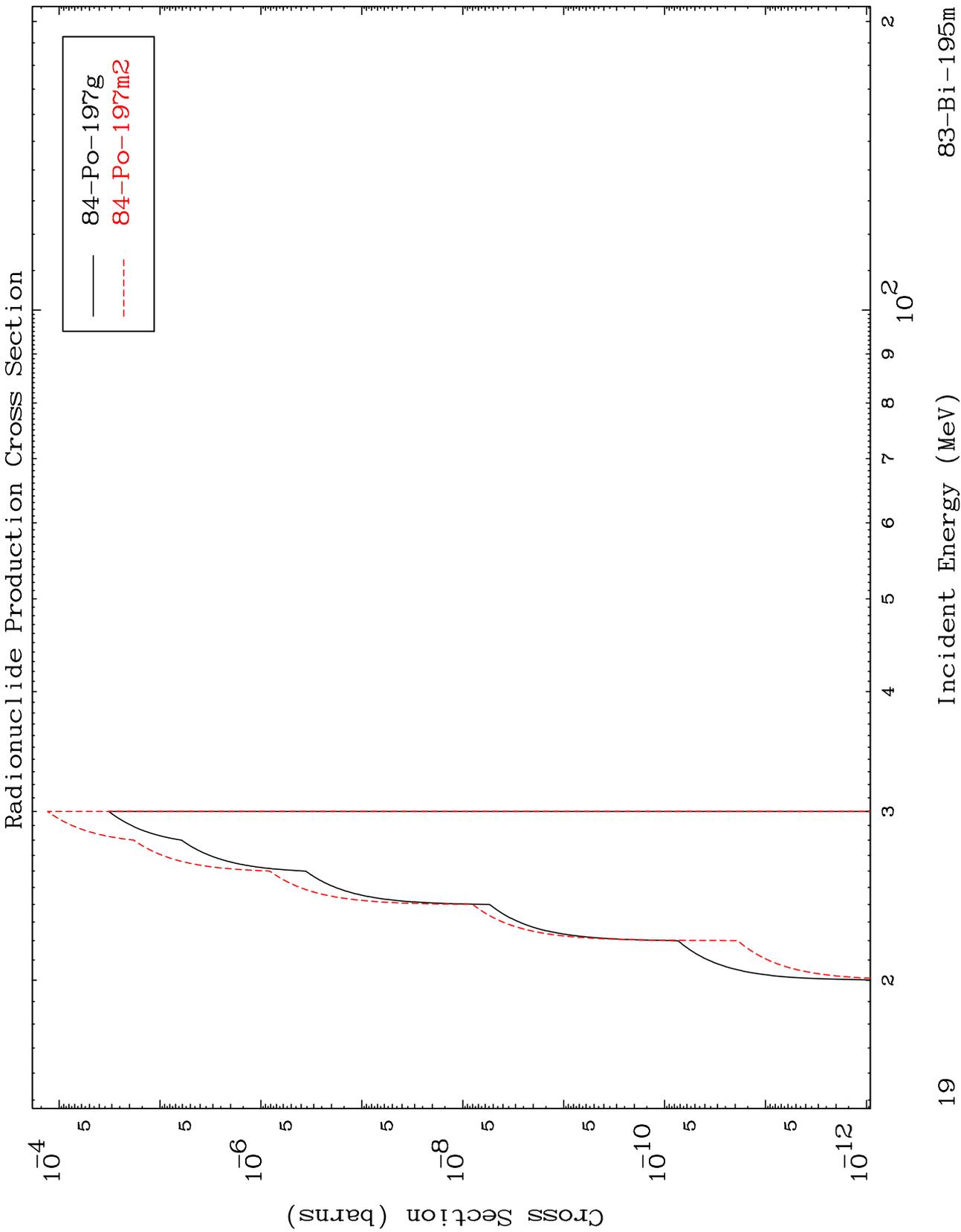
Radionuclide Production Cross Section



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(n,d)

83-Bi-195m



19

Incident Energy (MeV)

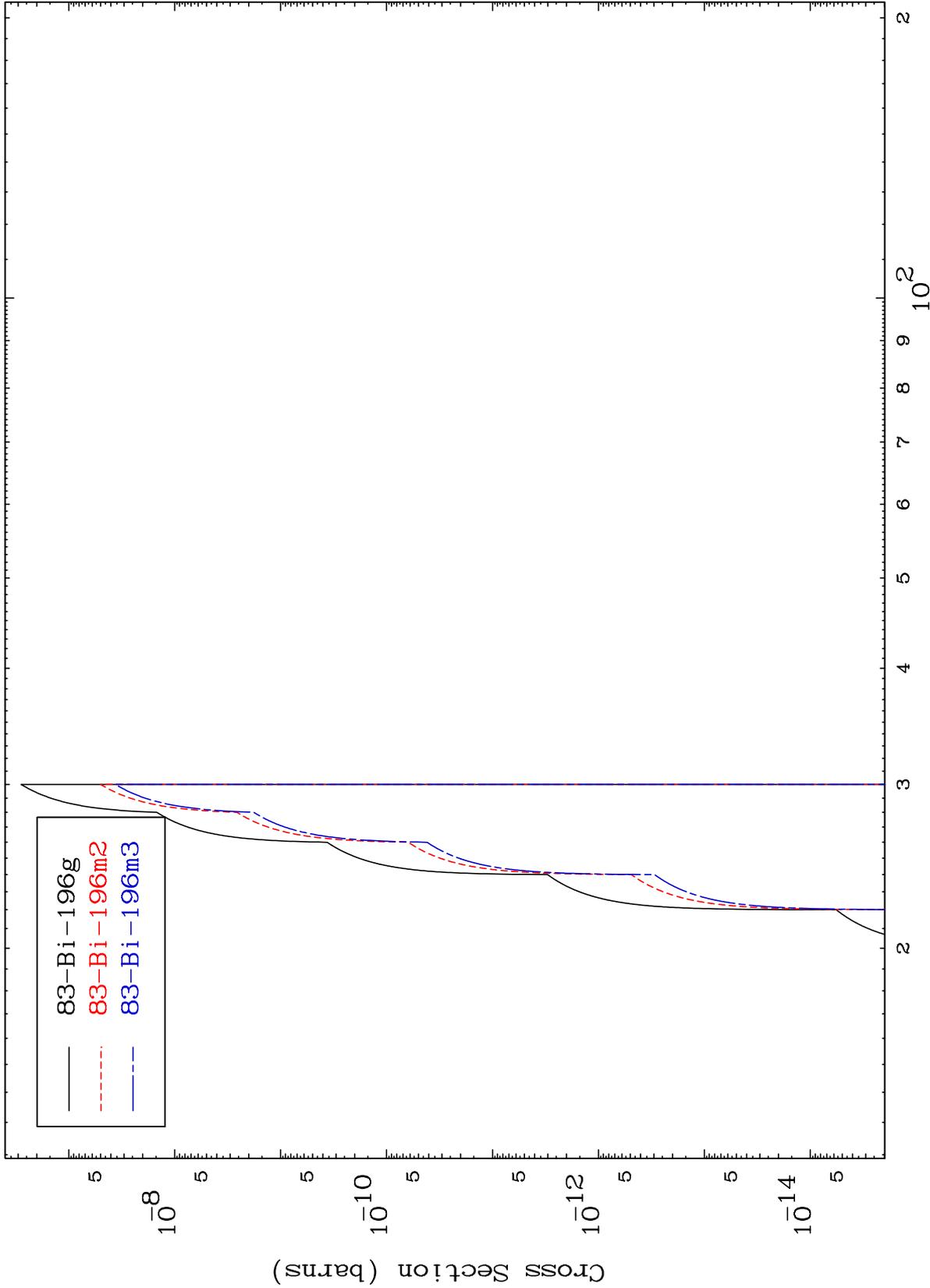
83-Bi-195m

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(n,He-3)

83-Bi-195m

Radionuclide Production Cross Section



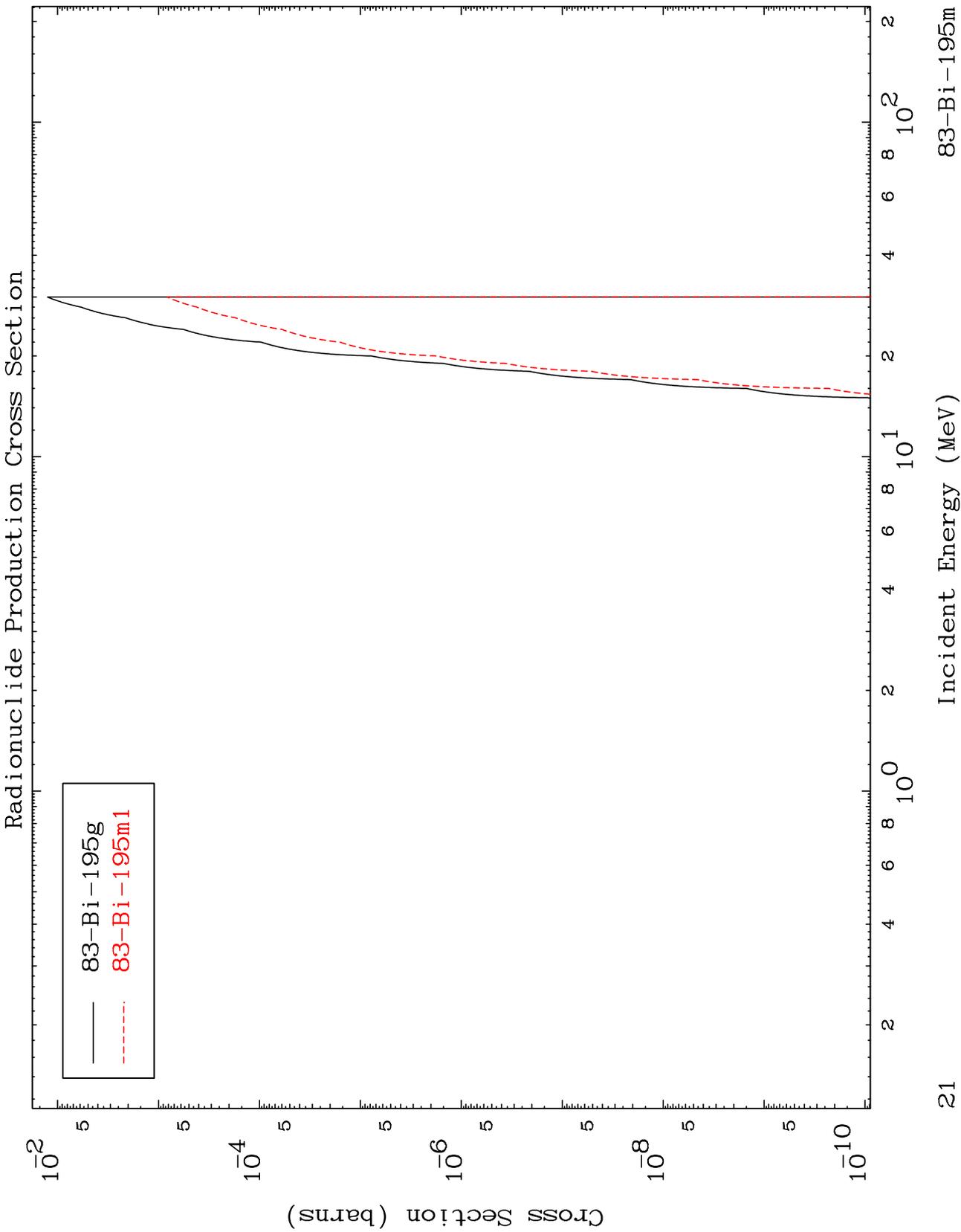
20

Incident Energy (MeV)

83-Bi-195m

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83-Bi-195m

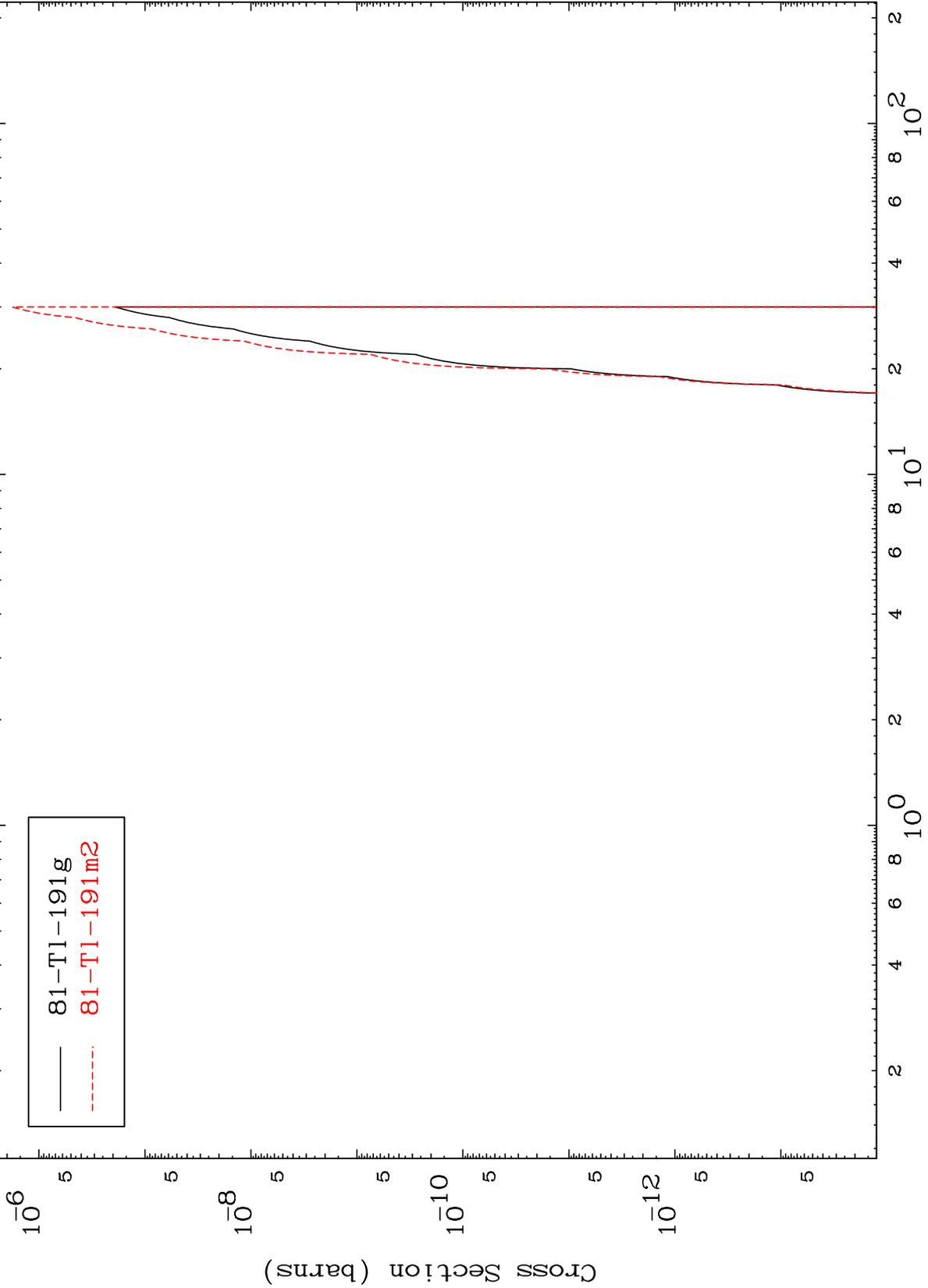


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(n,2α)

83-Bi-195m

Radionuclide Production Cross Section

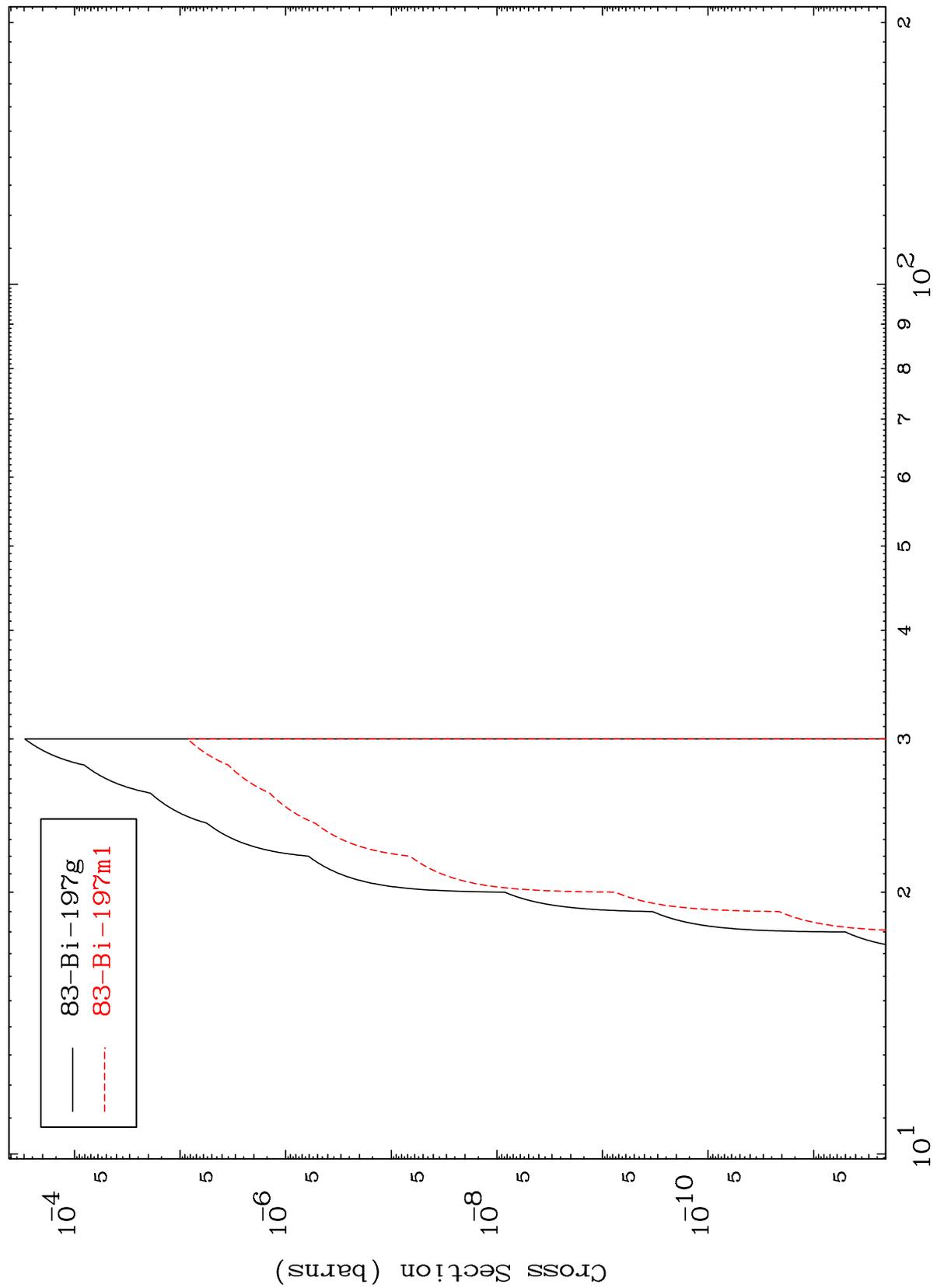


81-Tl-191g
81-Tl-191m2

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83-Bi-195m

(n,2p)
Radionuclide Production Cross Section



83-Bi-195m

Incident Energy (MeV)

23