

Program EVALPLOT
(Version 2021-1)

by

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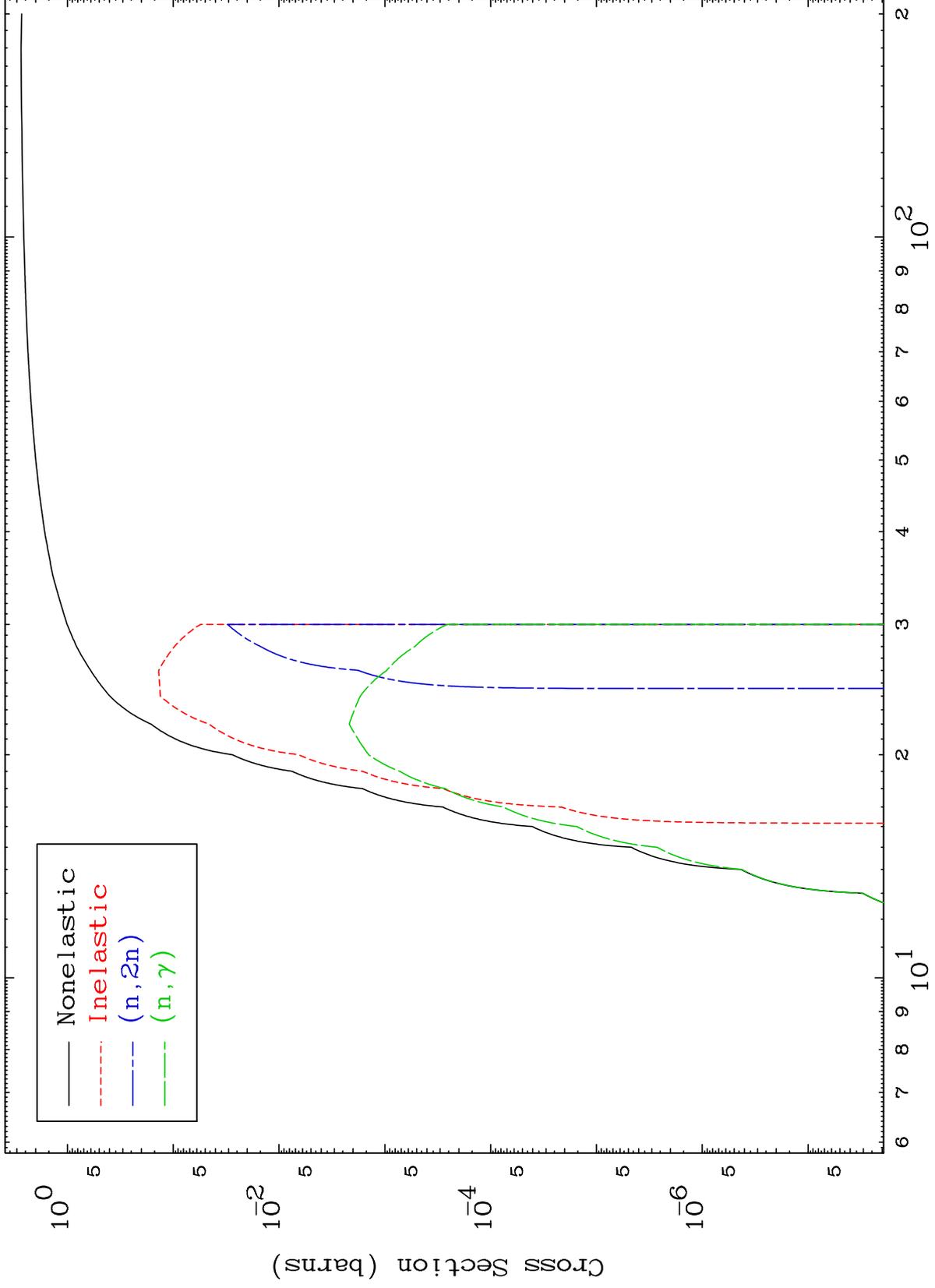
Press Mouse Button to Start

MAT 8290

0 Kelvin Cross Sections

α Major

83-Bi-197m



1

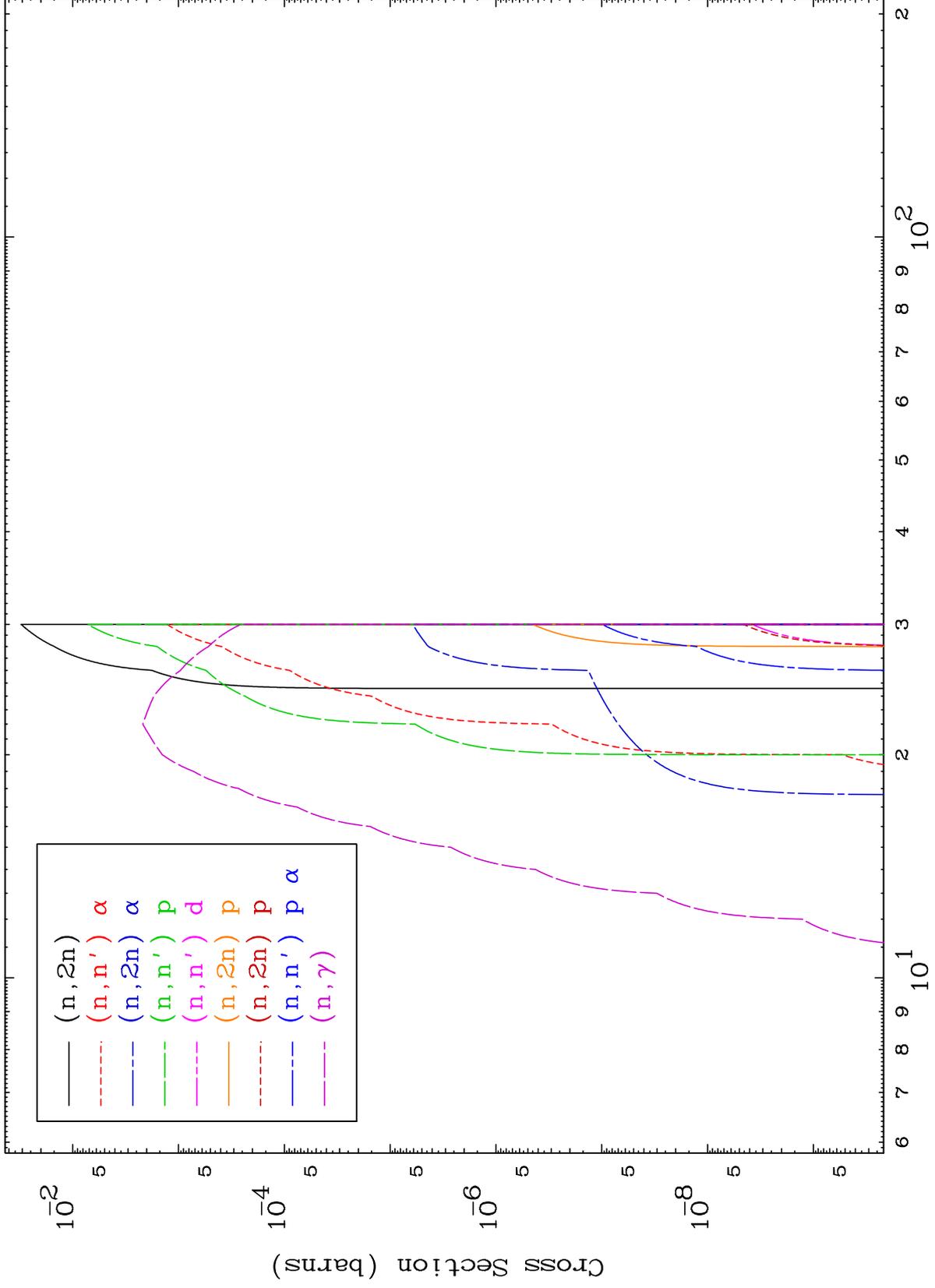
Incident Energy (MeV)

83-Bi-197m

MAT 8290

α Neutron Absorption
0 Kelvin Cross Sections

83-Bi-197m



2

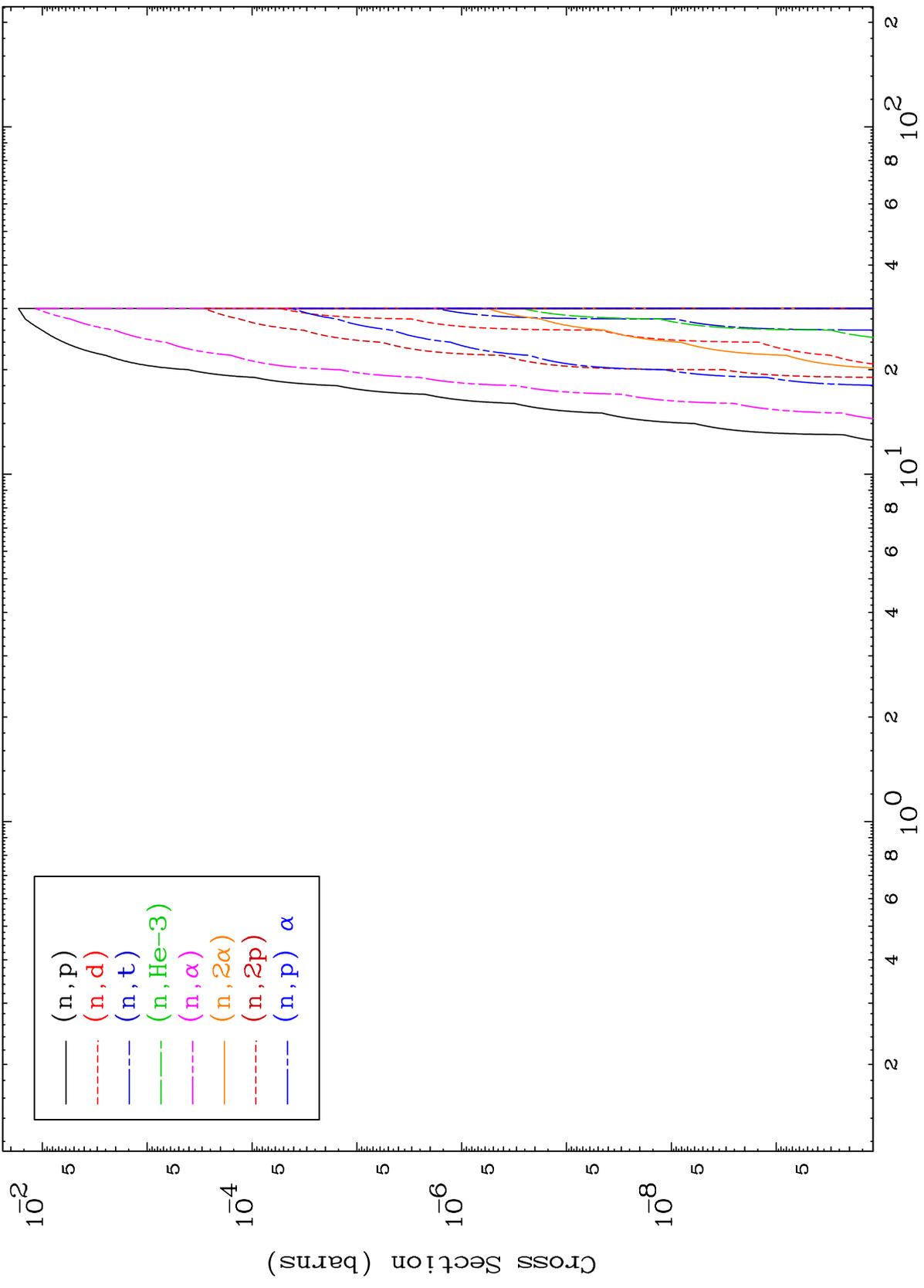
Incident Energy (MeV)

83-Bi-197m

MAT 8290

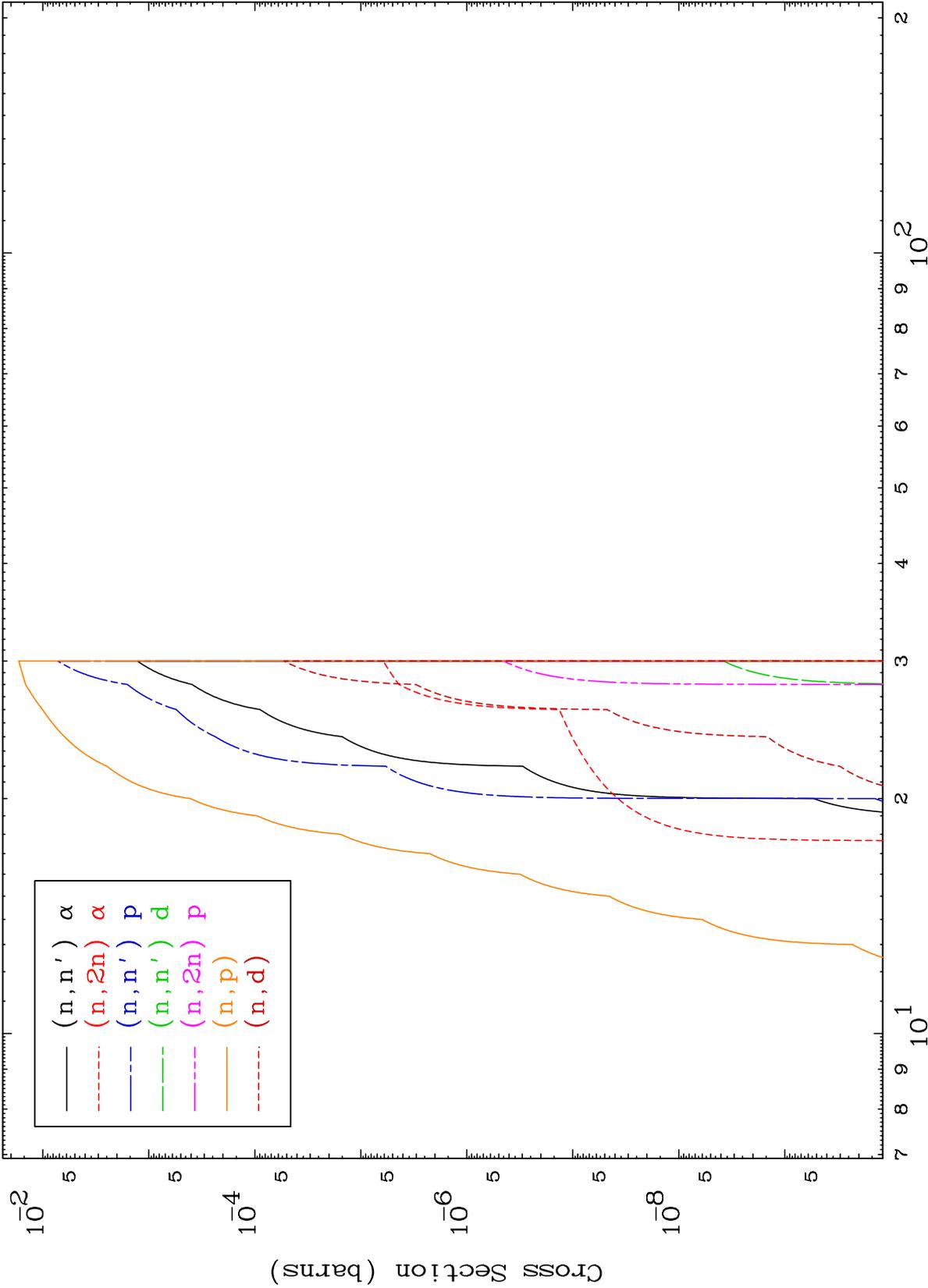
α Neutron Absorption
0 Kelvin Cross Sections

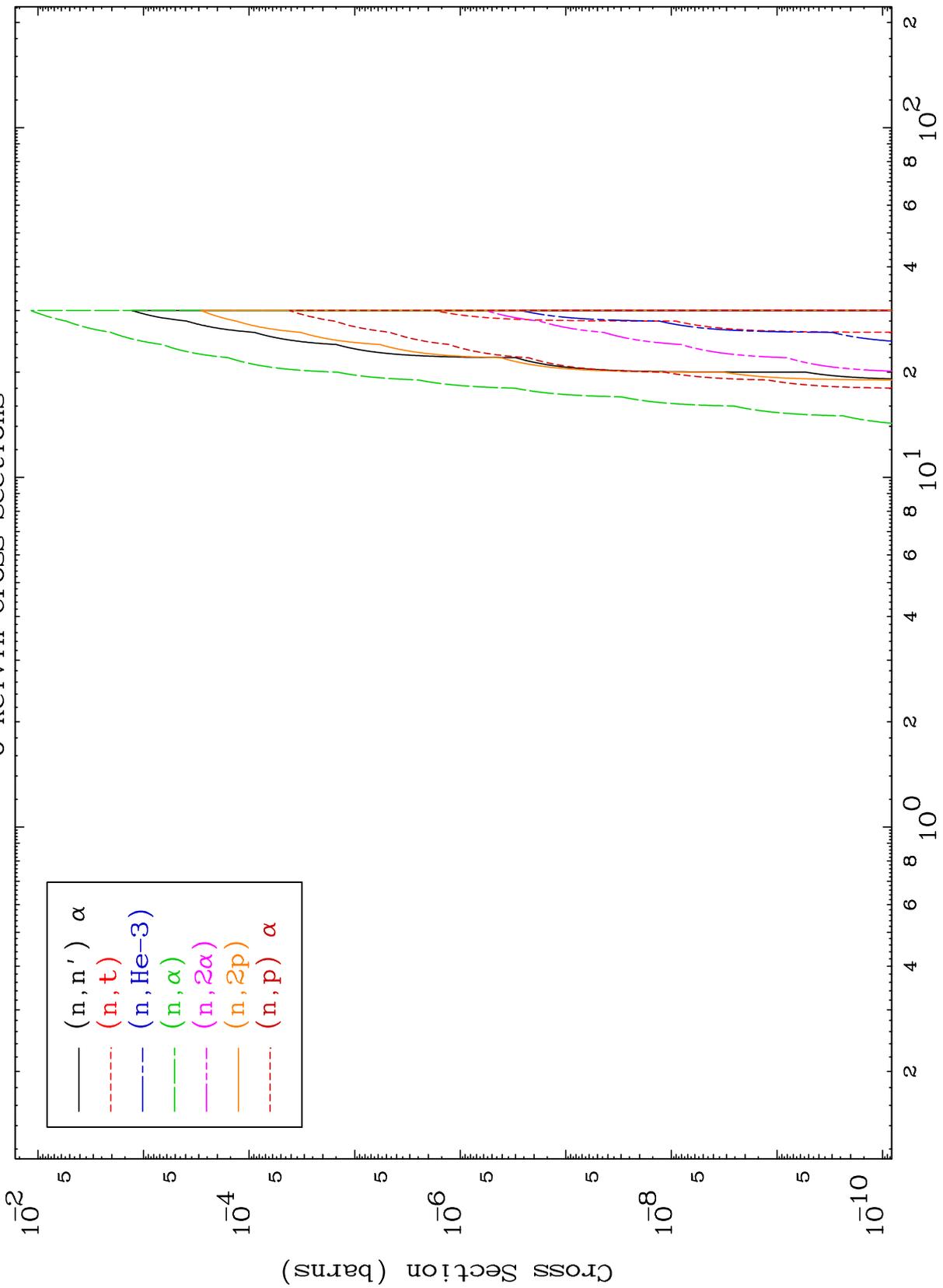
83-Bi-197m



Incident Energy (MeV)

83-Bi-197m

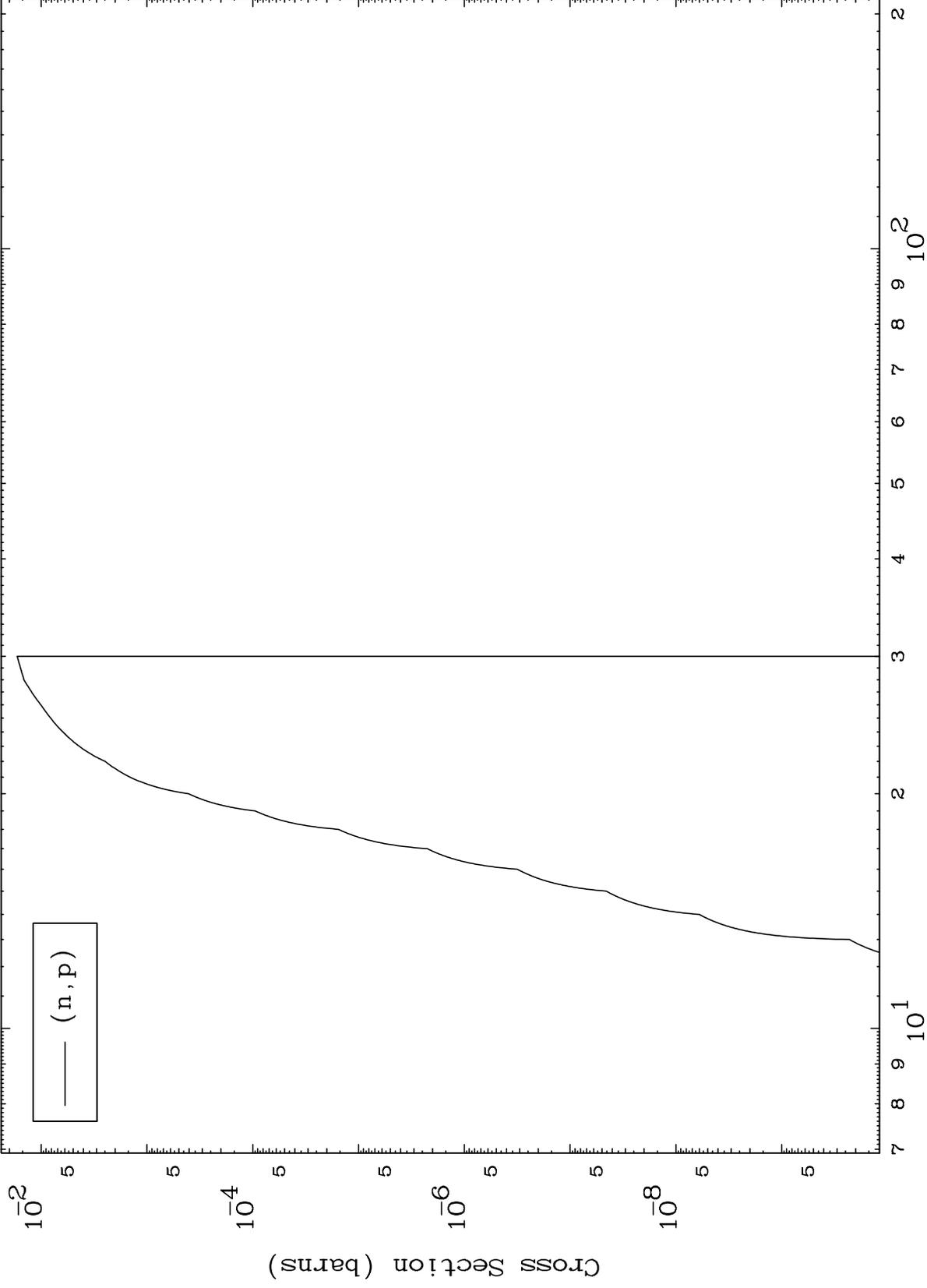




MAT 8290

(α, p) Levels
0 Kelvin Cross Sections

83-Bi-197m



6

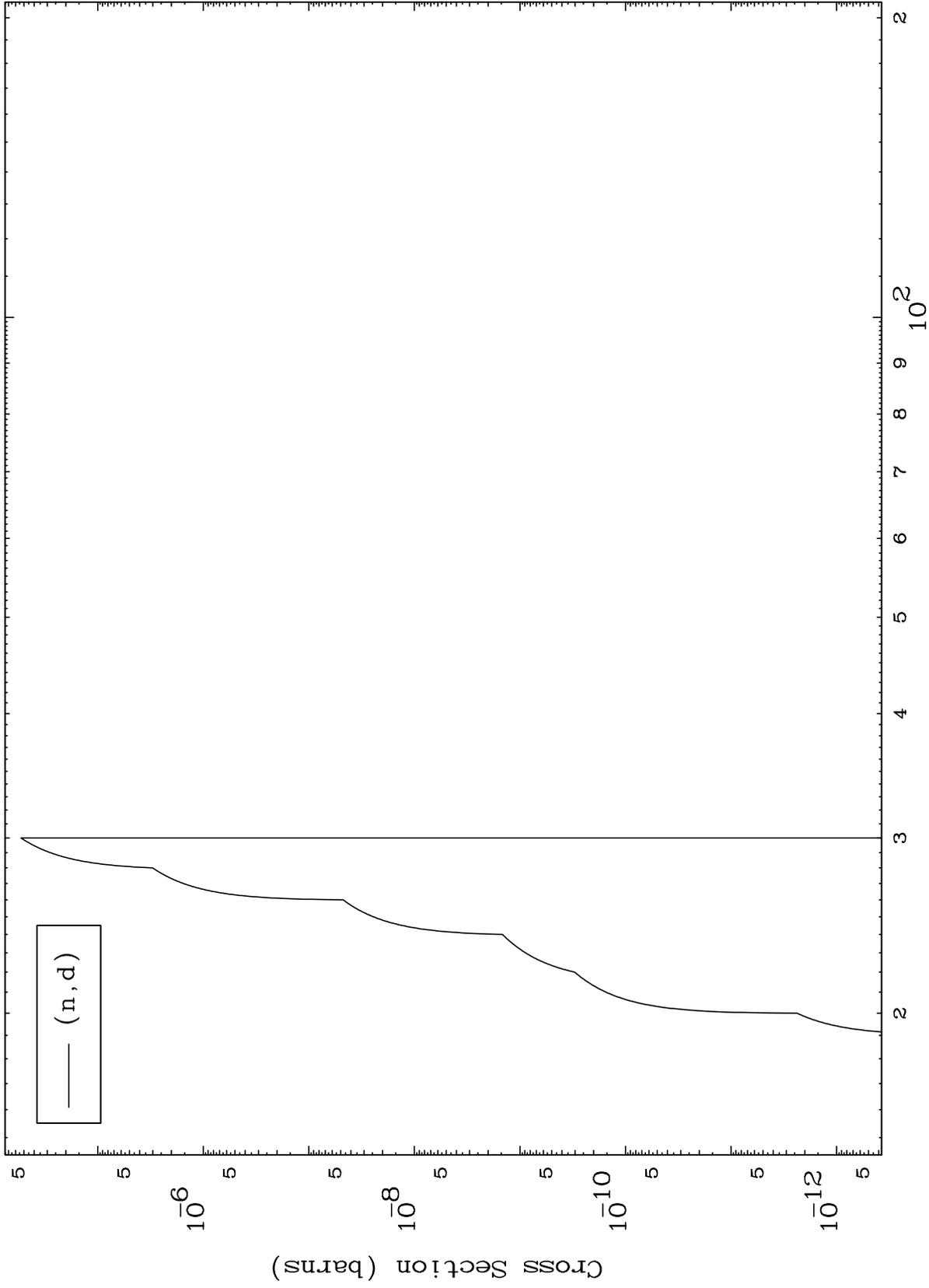
Incident Energy (MeV)

83-Bi-197m

MAT 8290

(α, d) Levels
0 Kelvin Cross Sections

83-Bi-197m



7

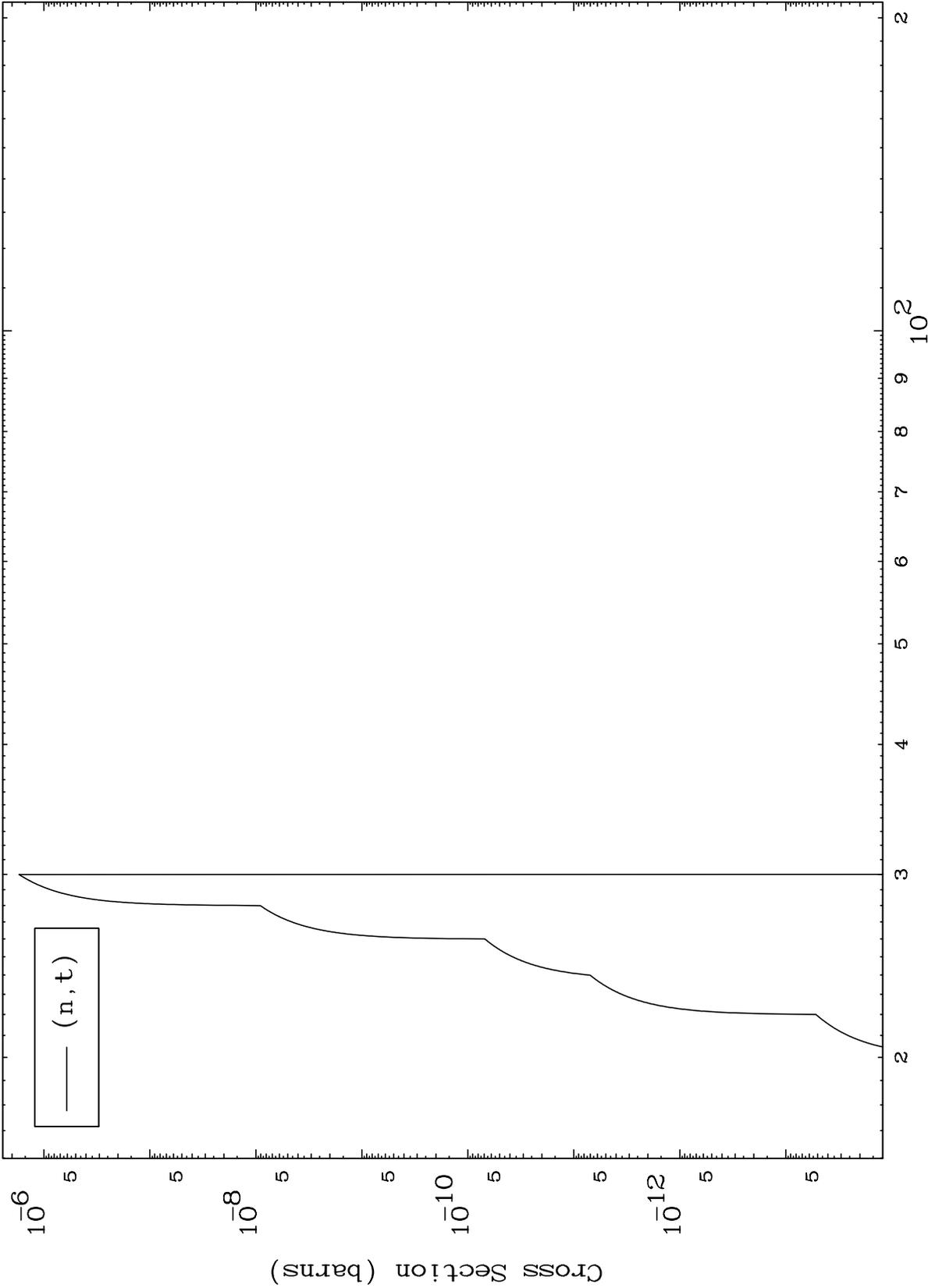
Incident Energy (MeV)

83-Bi-197m

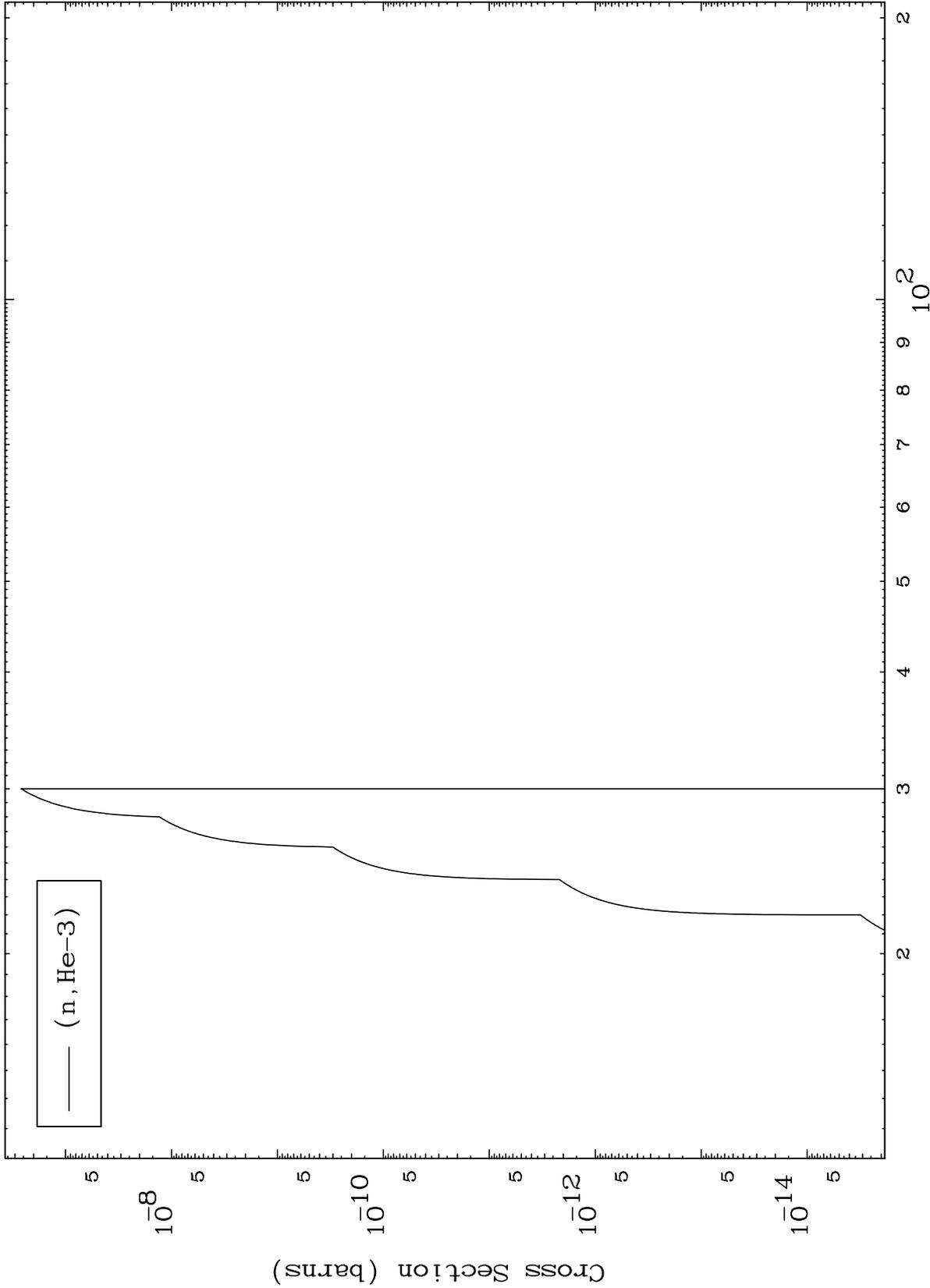
MAT 8290

(α, t) Levels
0 Kelvin Cross Sections

83-Bi-197m



0 Kelvin Cross Sections



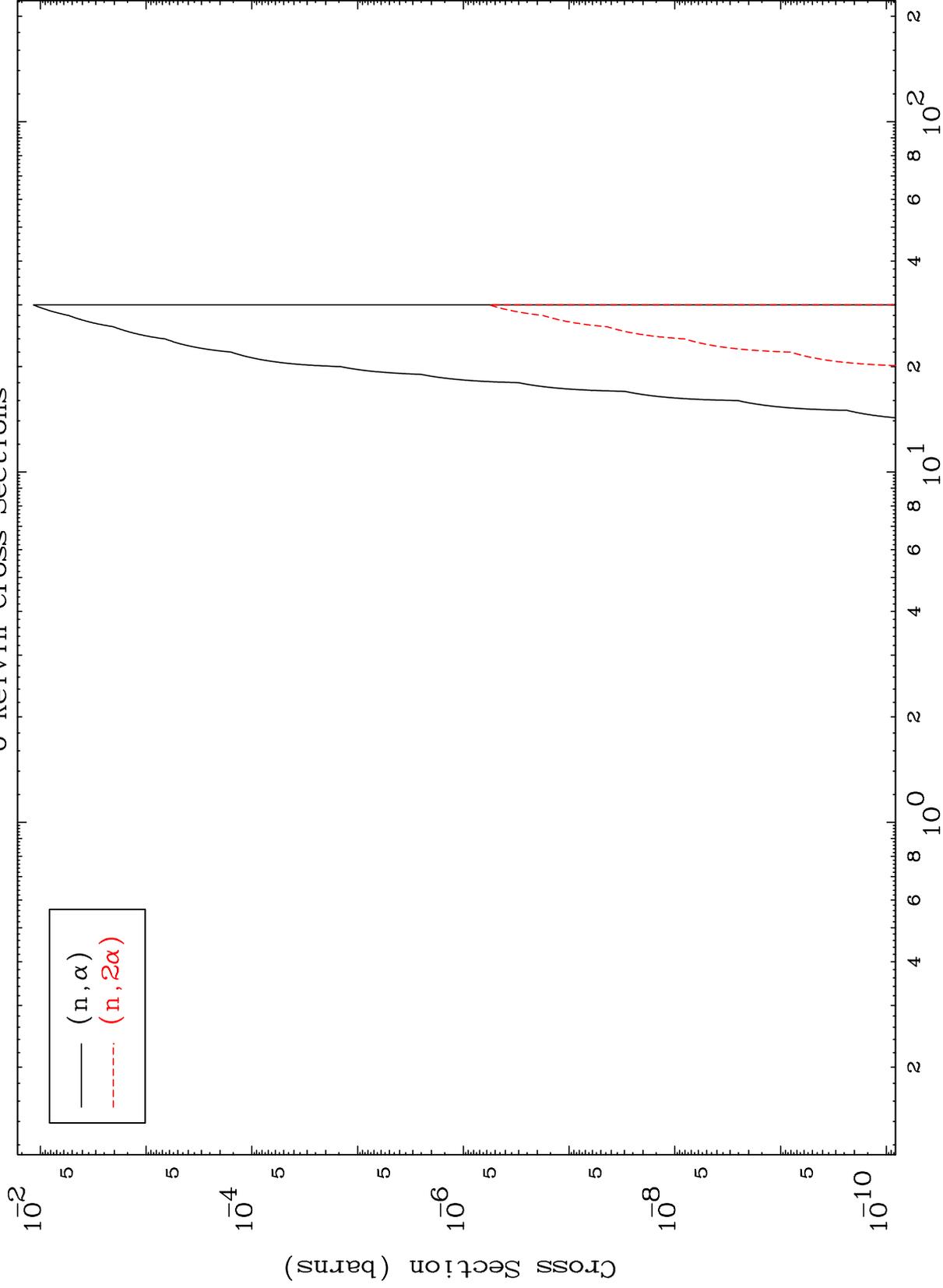
(n, He-3)

MAT 8290

(α, α) Levels

83-Bi-197m

0 Kelvin Cross Sections

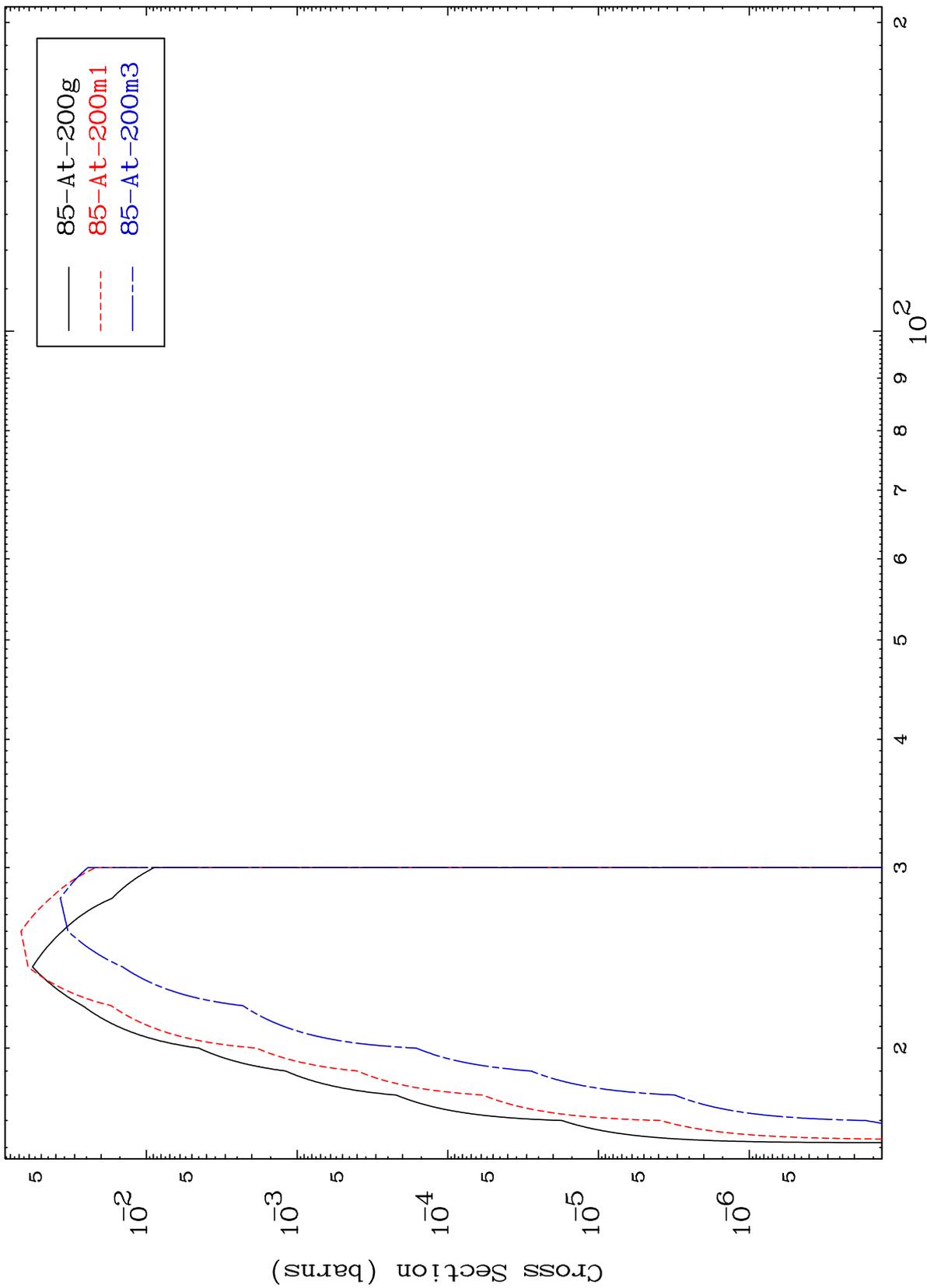


10

Incident Energy (MeV)

83-Bi-197m

Inelastic
Radionuclide Production Cross Section

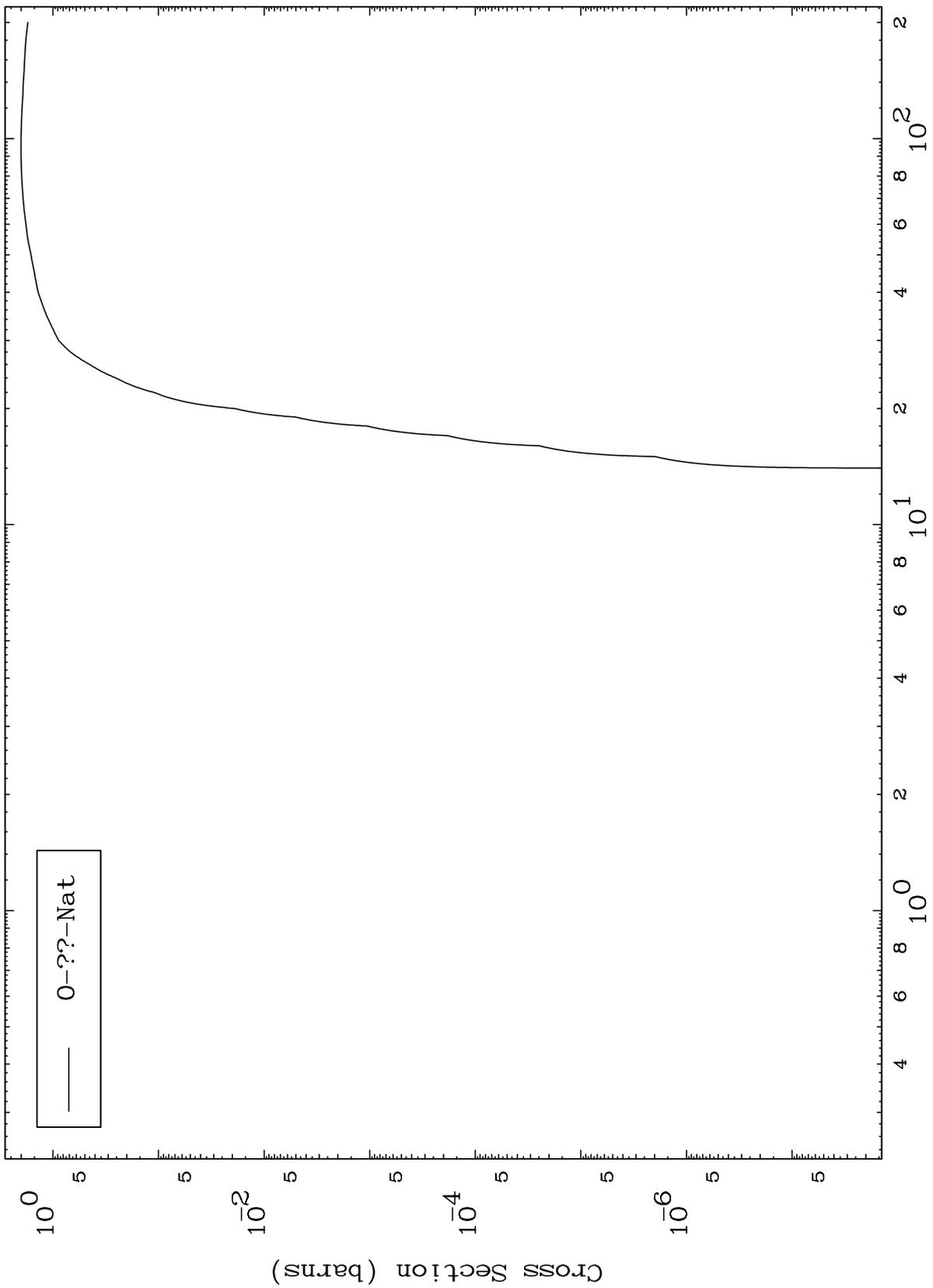


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Fission

83-Bi-197m

Radionuclide Production Cross Section

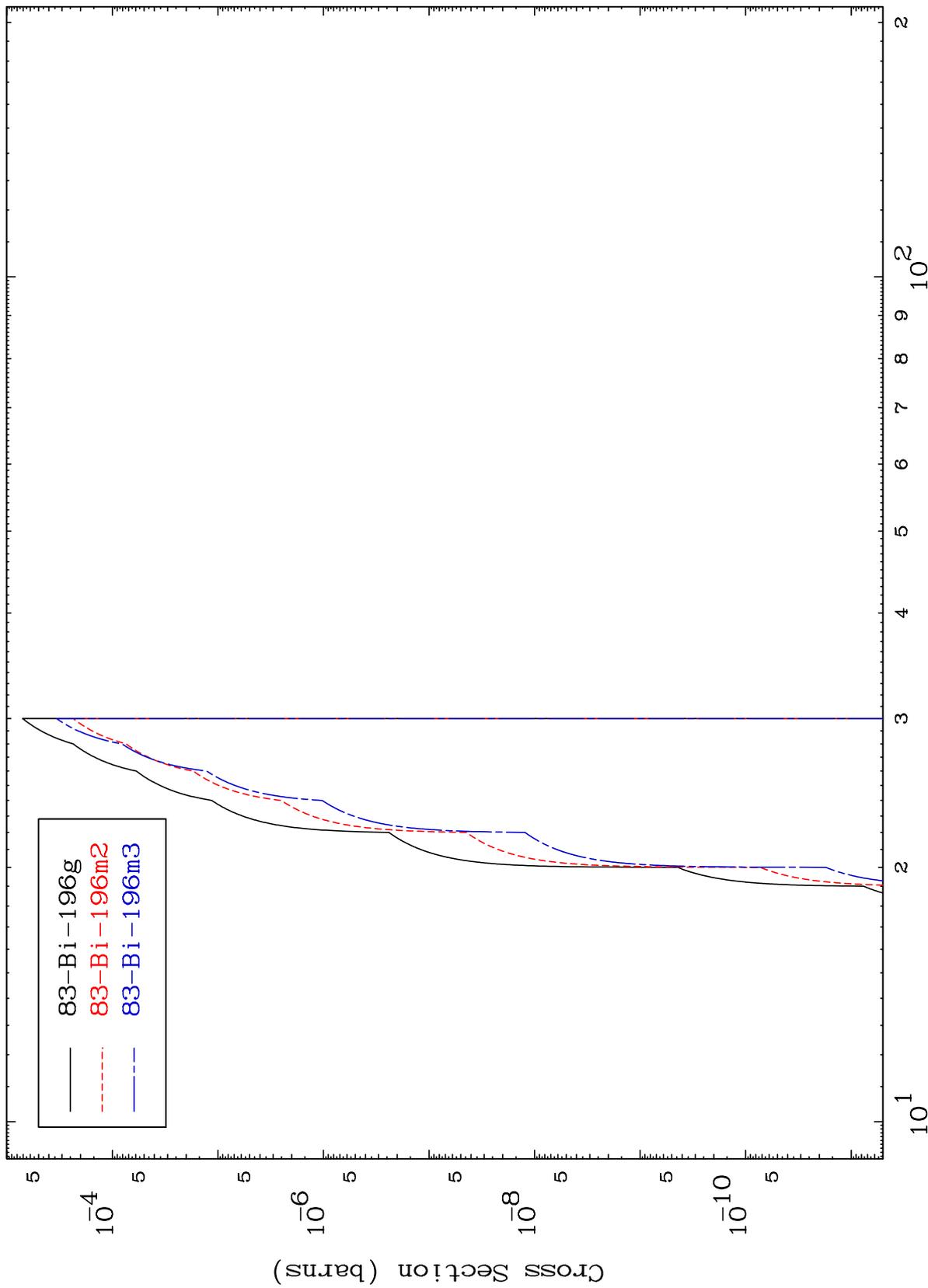


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$(n, n') \alpha$

$^{83}\text{Bi}-197\text{m}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

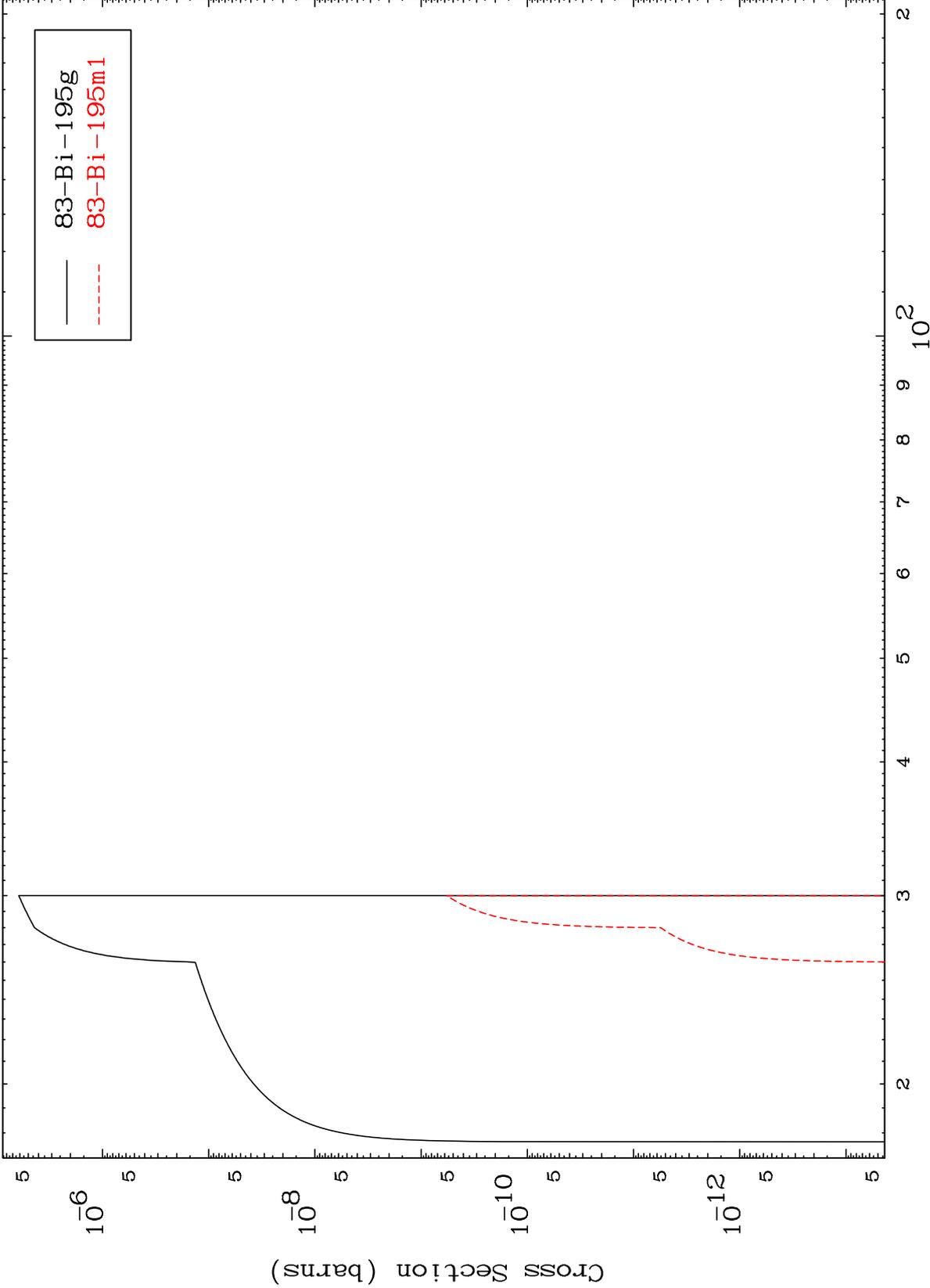
$^{83}\text{Bi}-197\text{m}$

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$(n,2n) \alpha$

$^{83}\text{Bi}-197\text{m}$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

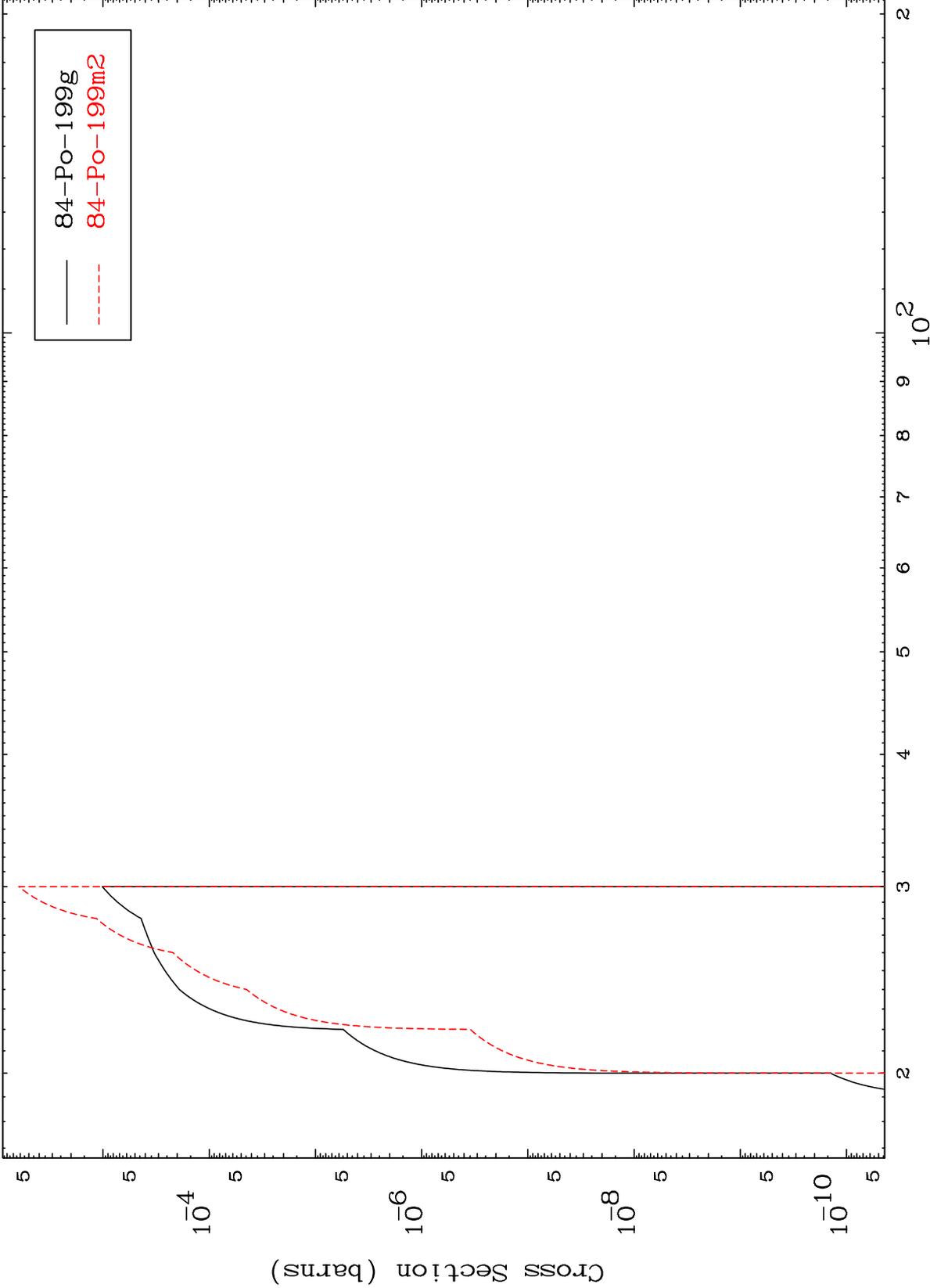
$^{83}\text{Bi}-197\text{m}$

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(n,n') p

83-Bi-197m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

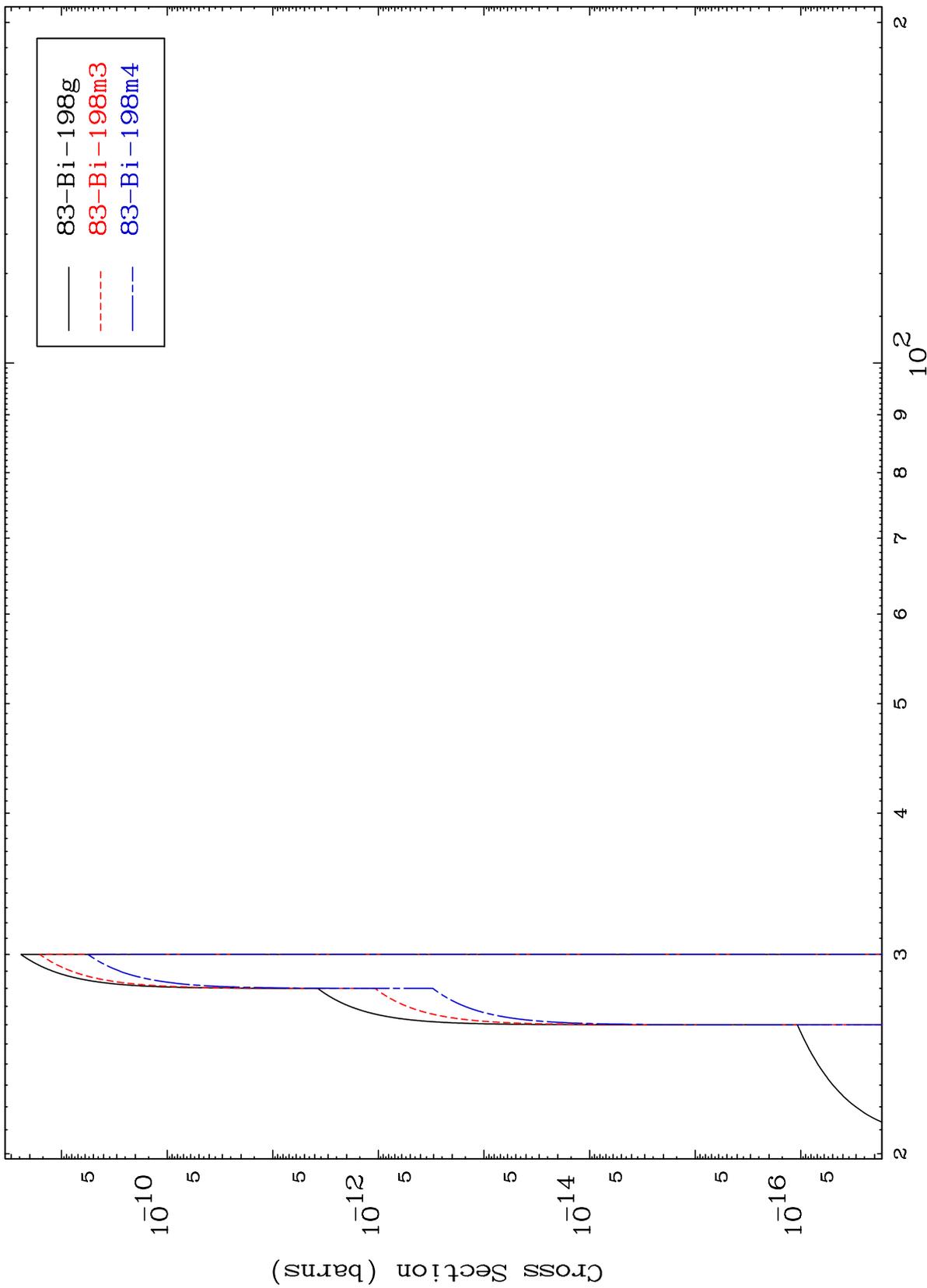
83-Bi-197m

MAT 8290

$(n,2n)$ p

$^{83}\text{Bi}-197\text{m}$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

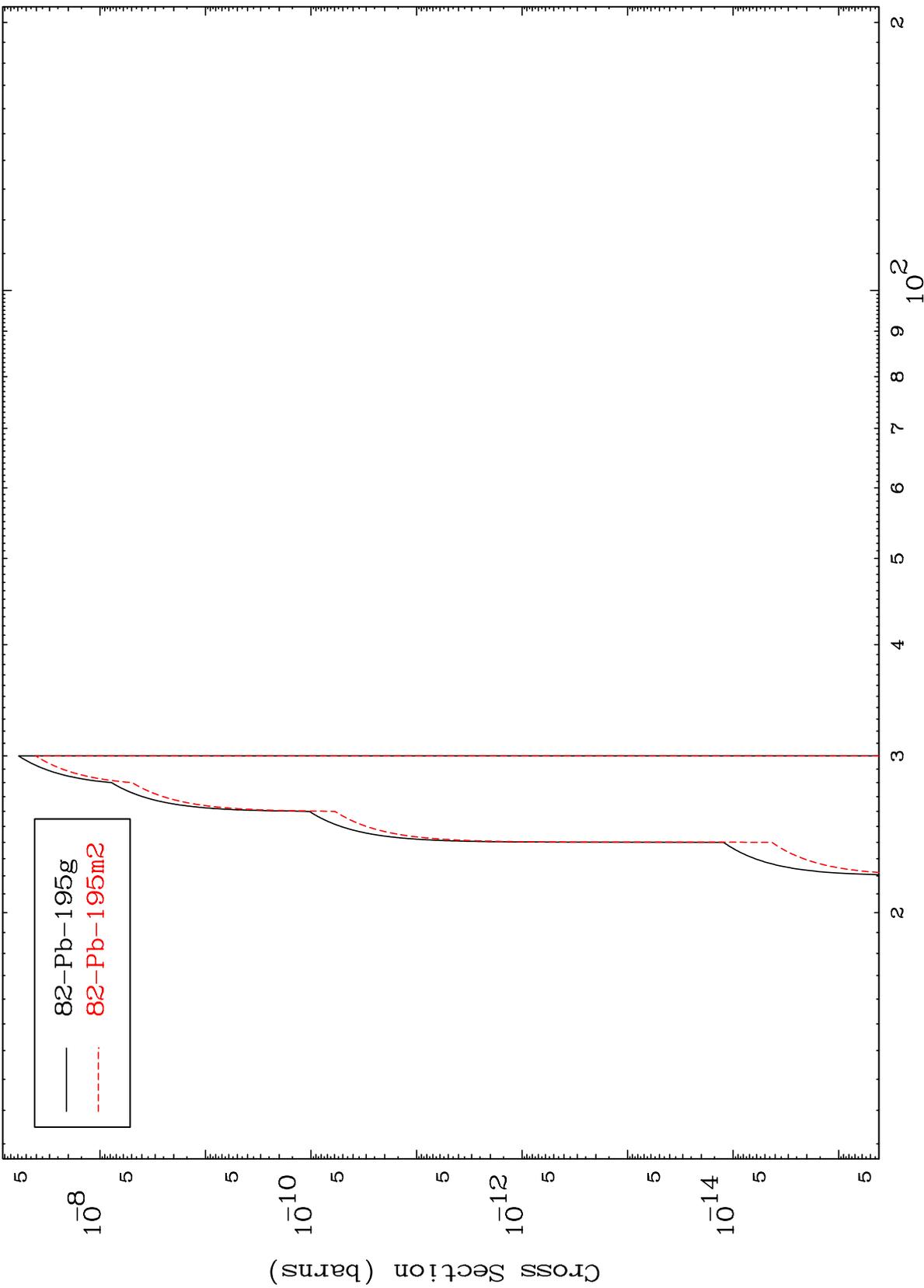
$^{83}\text{Bi}-197\text{m}$

MAT 8290

(n,n') p α

83-Bi-197m

Radionuclide Production Cross Section

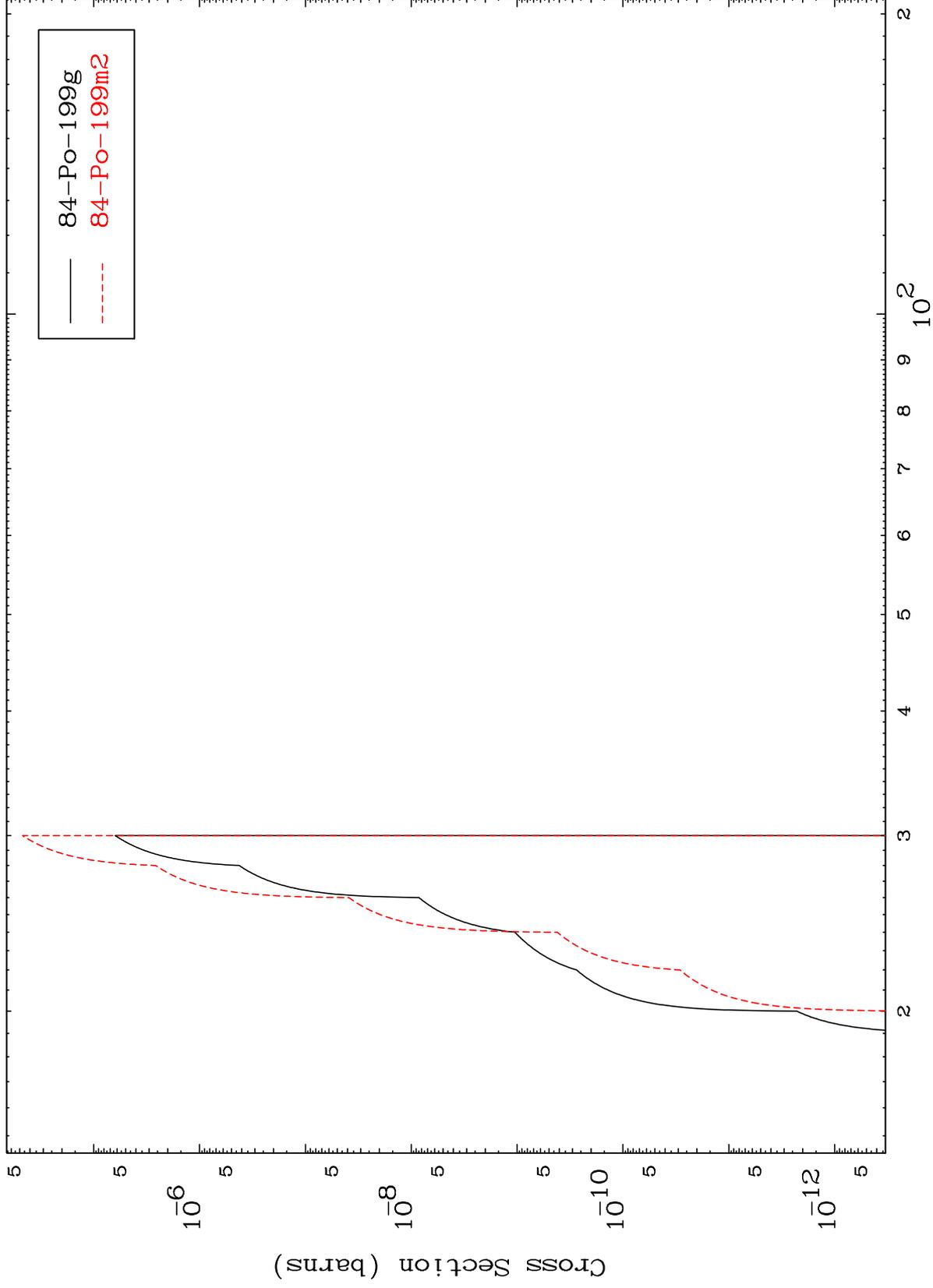


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(n,d)

83-Bi-197m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

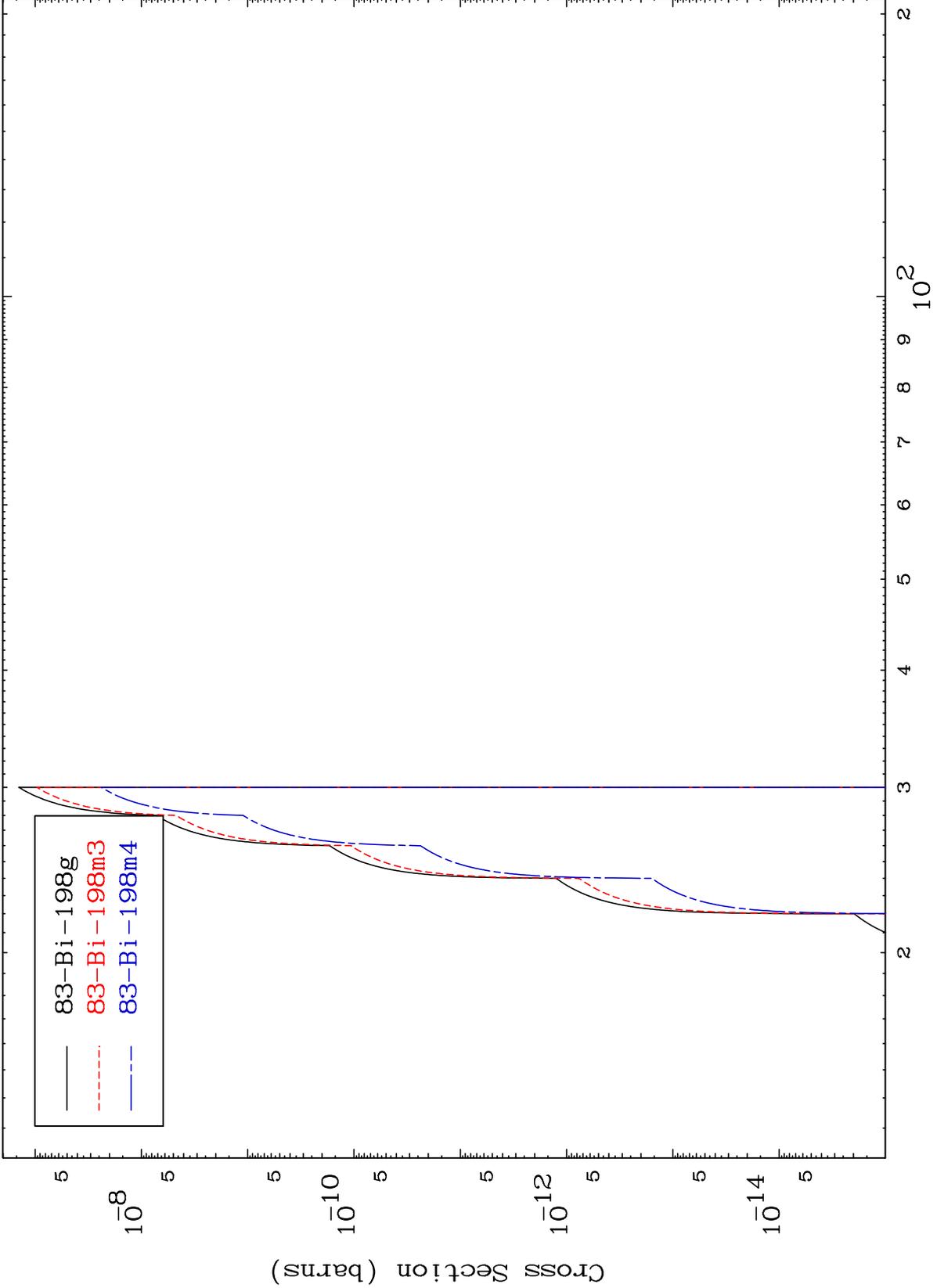
83-Bi-197m

MAT 8290

(n,He-3)

83-Bi-197m

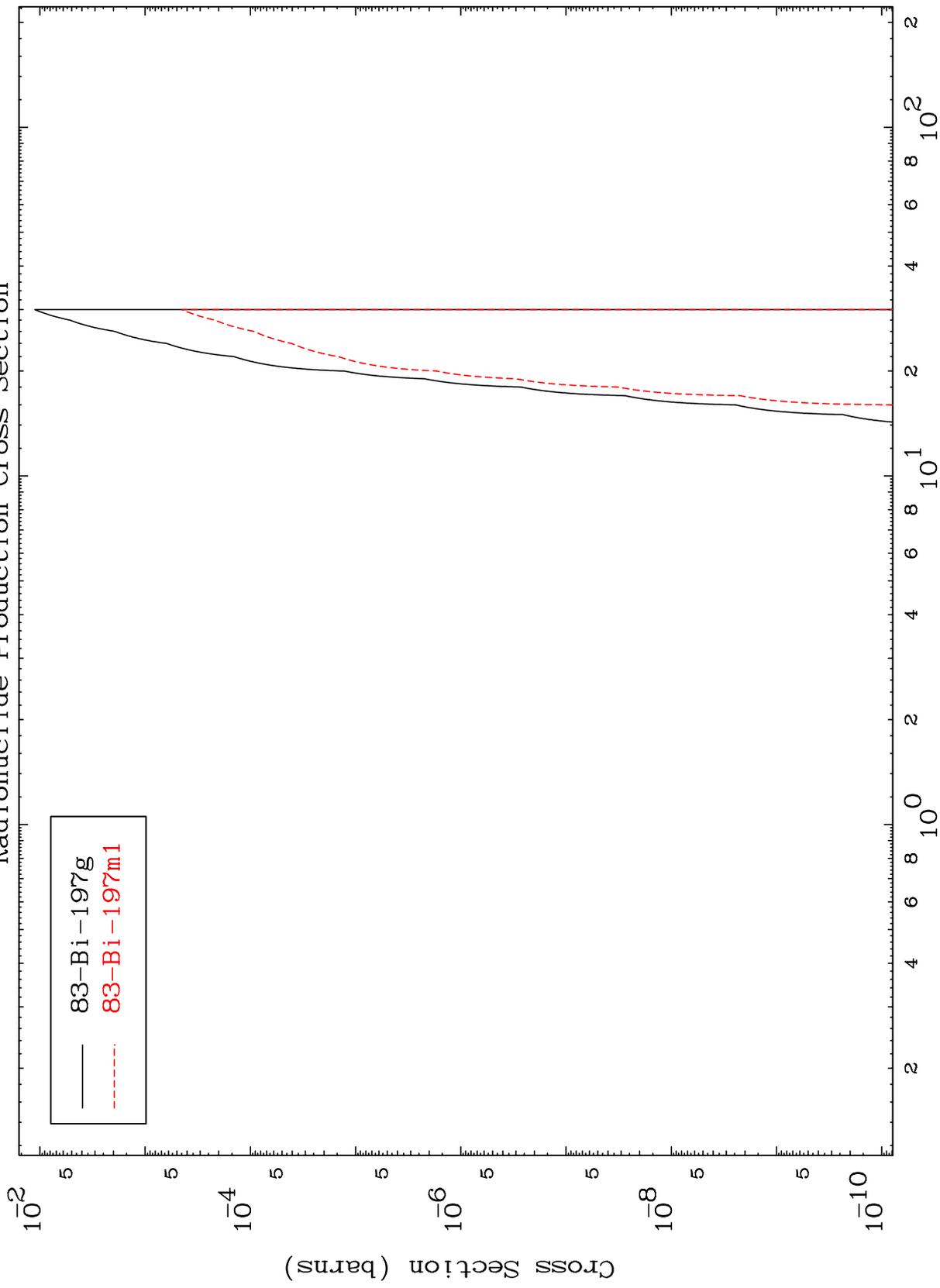
Radionuclide Production Cross Section



MAT 8290

⁸³Bi-197m

Radionuclide Production Cross Section



Incident Energy (MeV)

⁸³Bi-197m

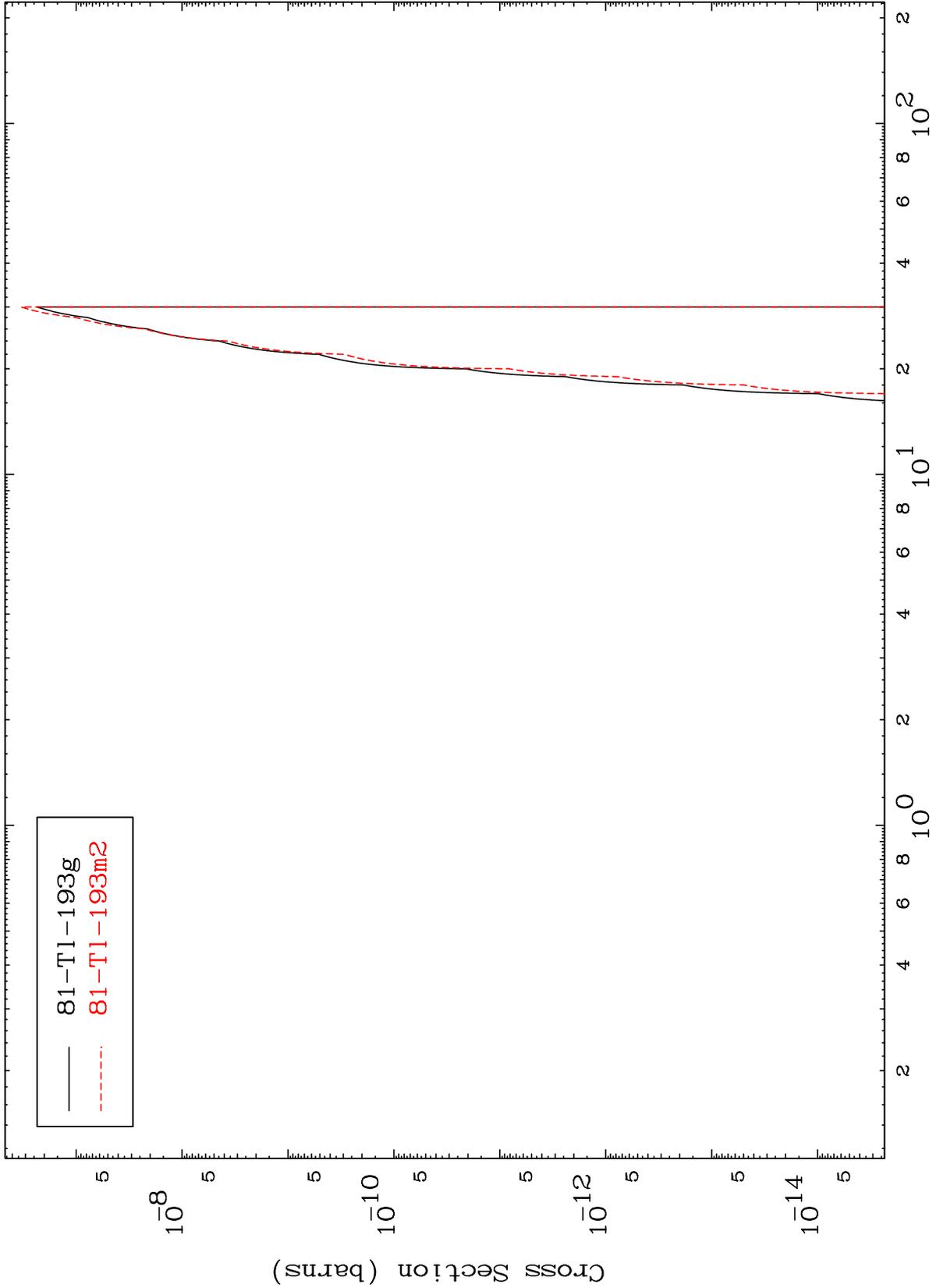
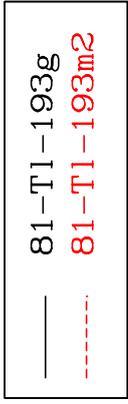
20

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(n,2α)

83-Bi-197m

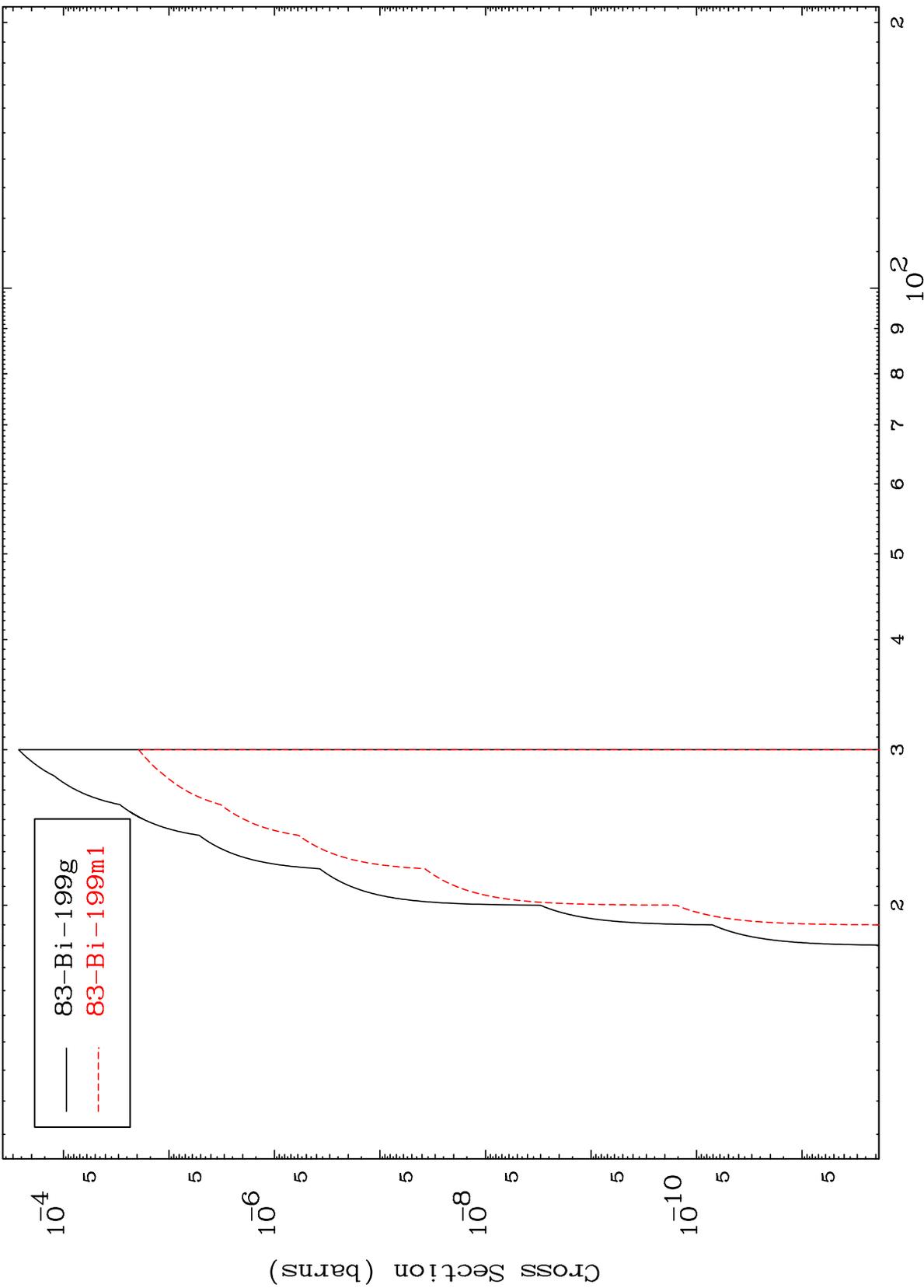
Radionuclide Production Cross Section



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83-Bi-197m

Radionuclide Production Cross Section
(n,2p)



Incident Energy (MeV)

83-Bi-197m