

Program EVALPLOT
(Version 2021-1)

by

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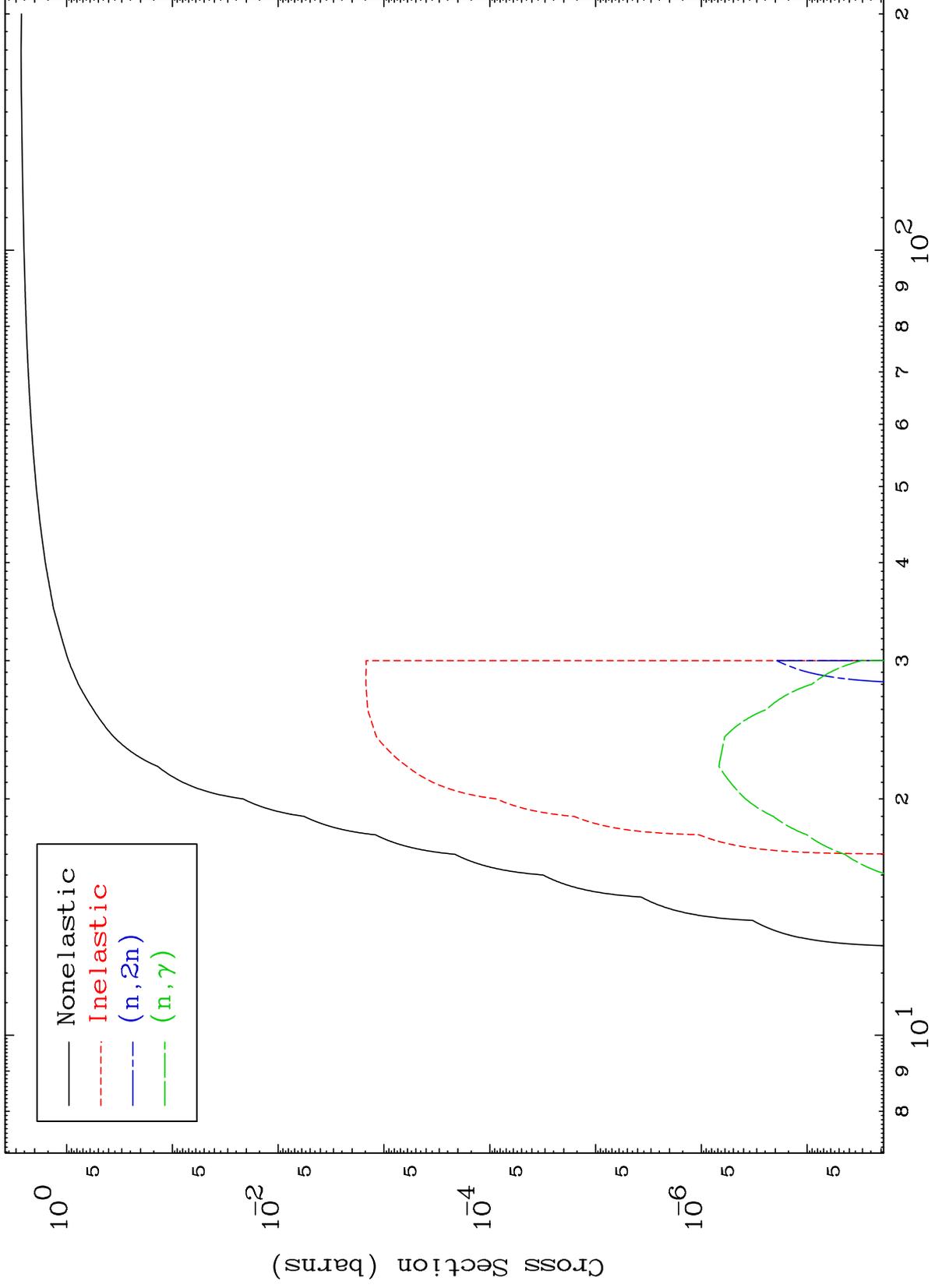
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8269

0 Kelvin Major
 α Major Cross Sections

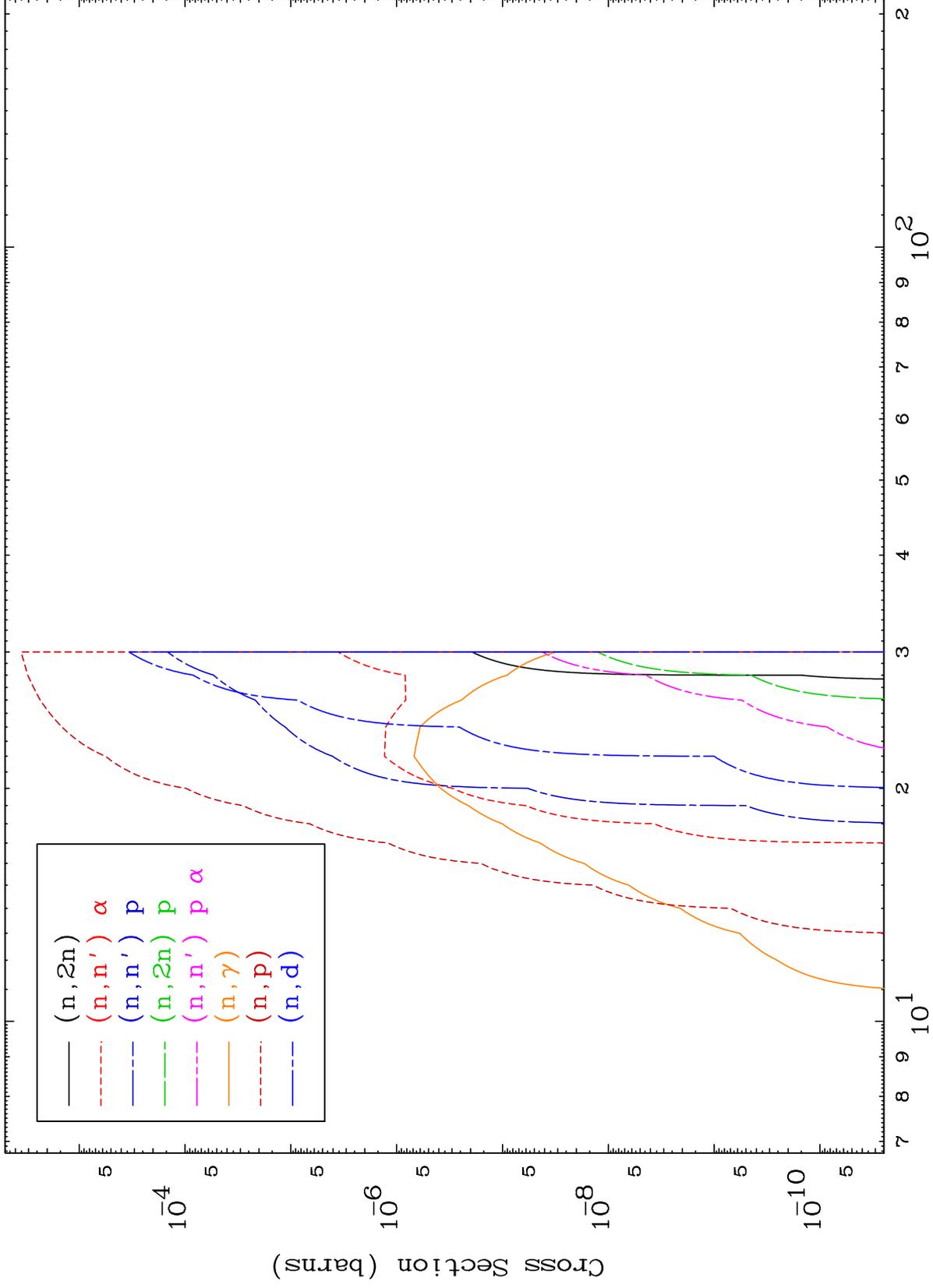
^{83}Bi -190m



1

Incident Energy (MeV)

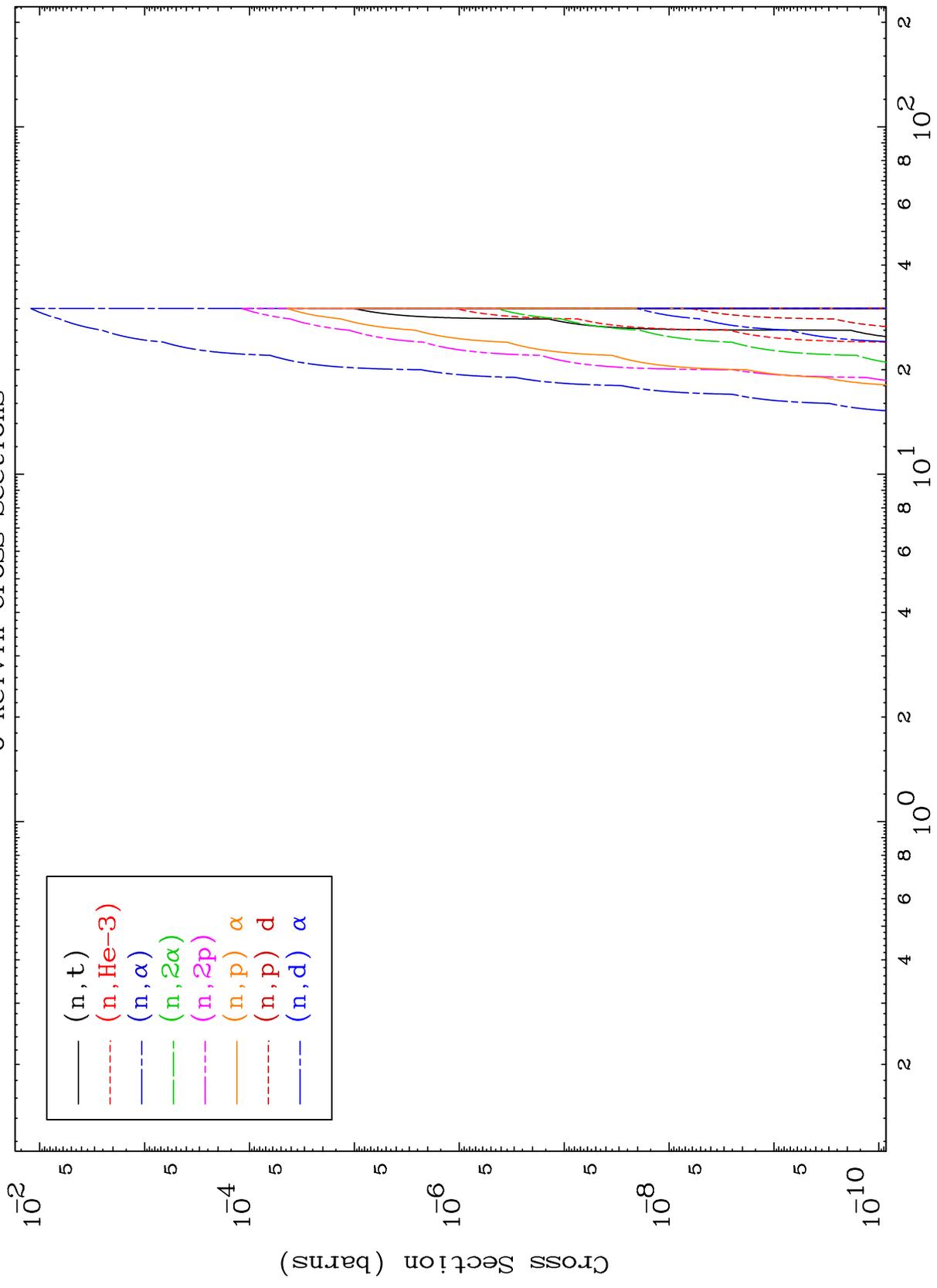
^{83}Bi -190m



MAT 8269

α Neutron Absorption
0 Kelvin Cross Sections

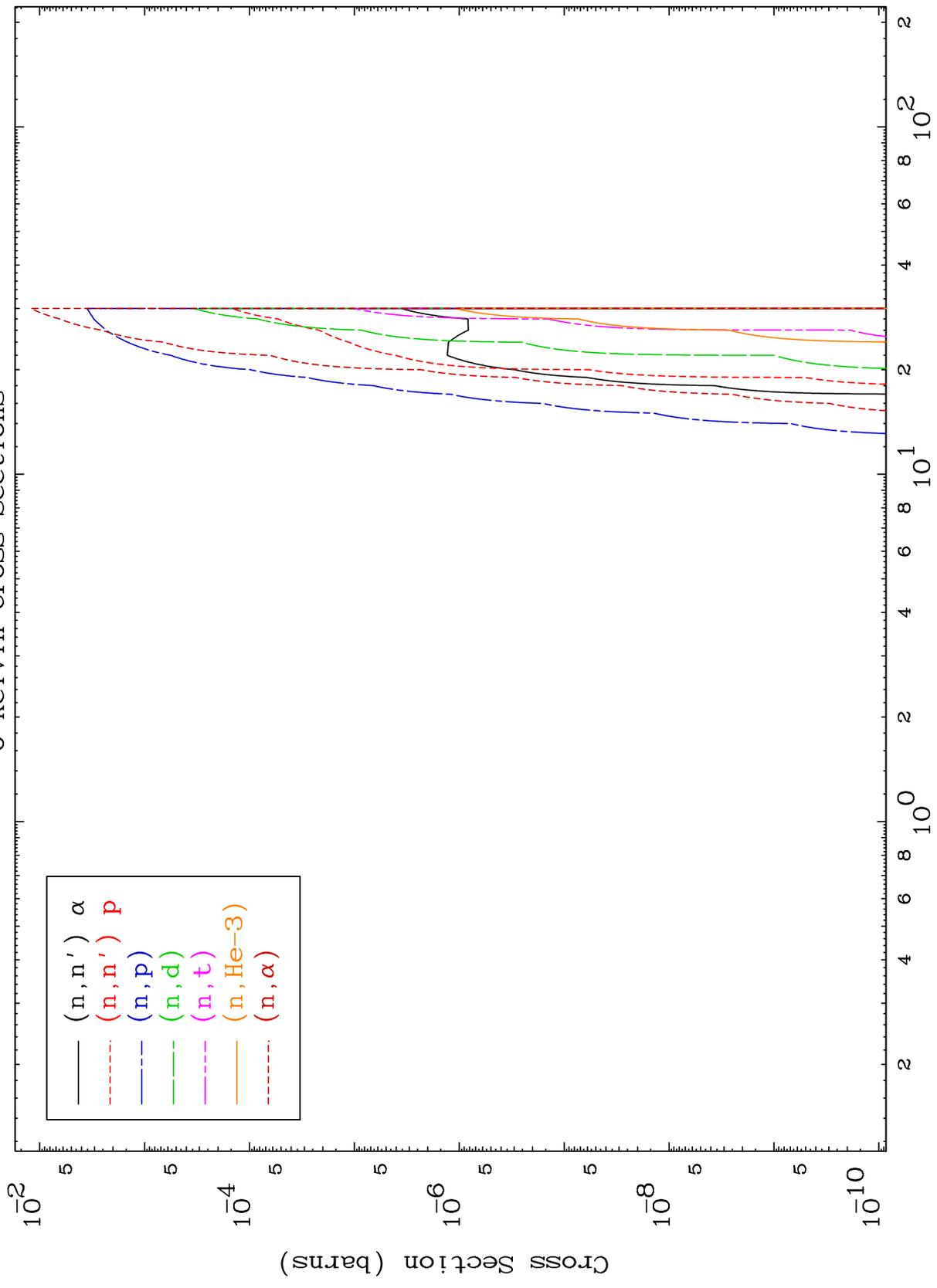
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α Charged Particle
0 Kelvin Cross Sections

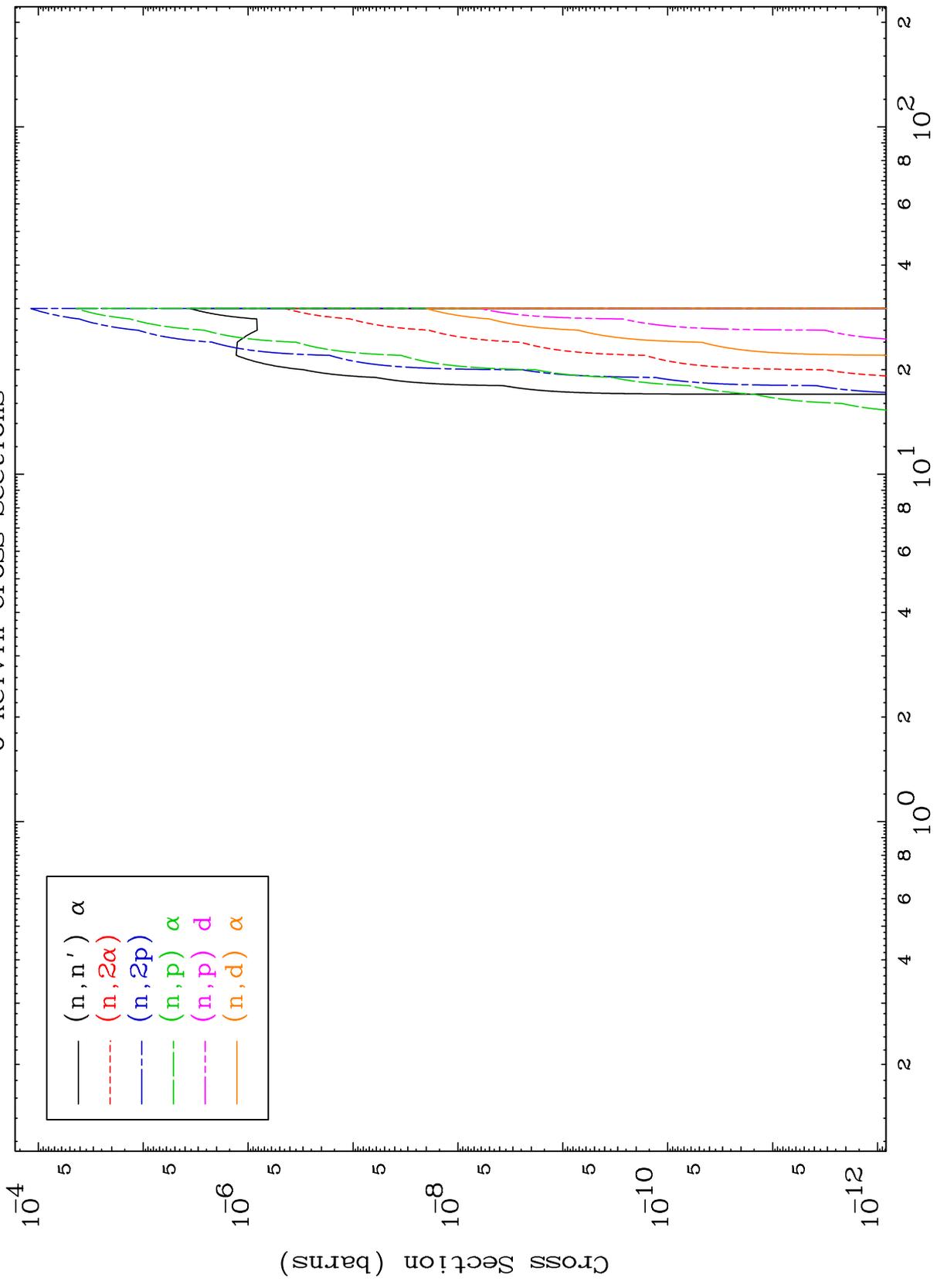
83-Bi-190m



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α Charged Particle
0 Kelvin Cross Sections

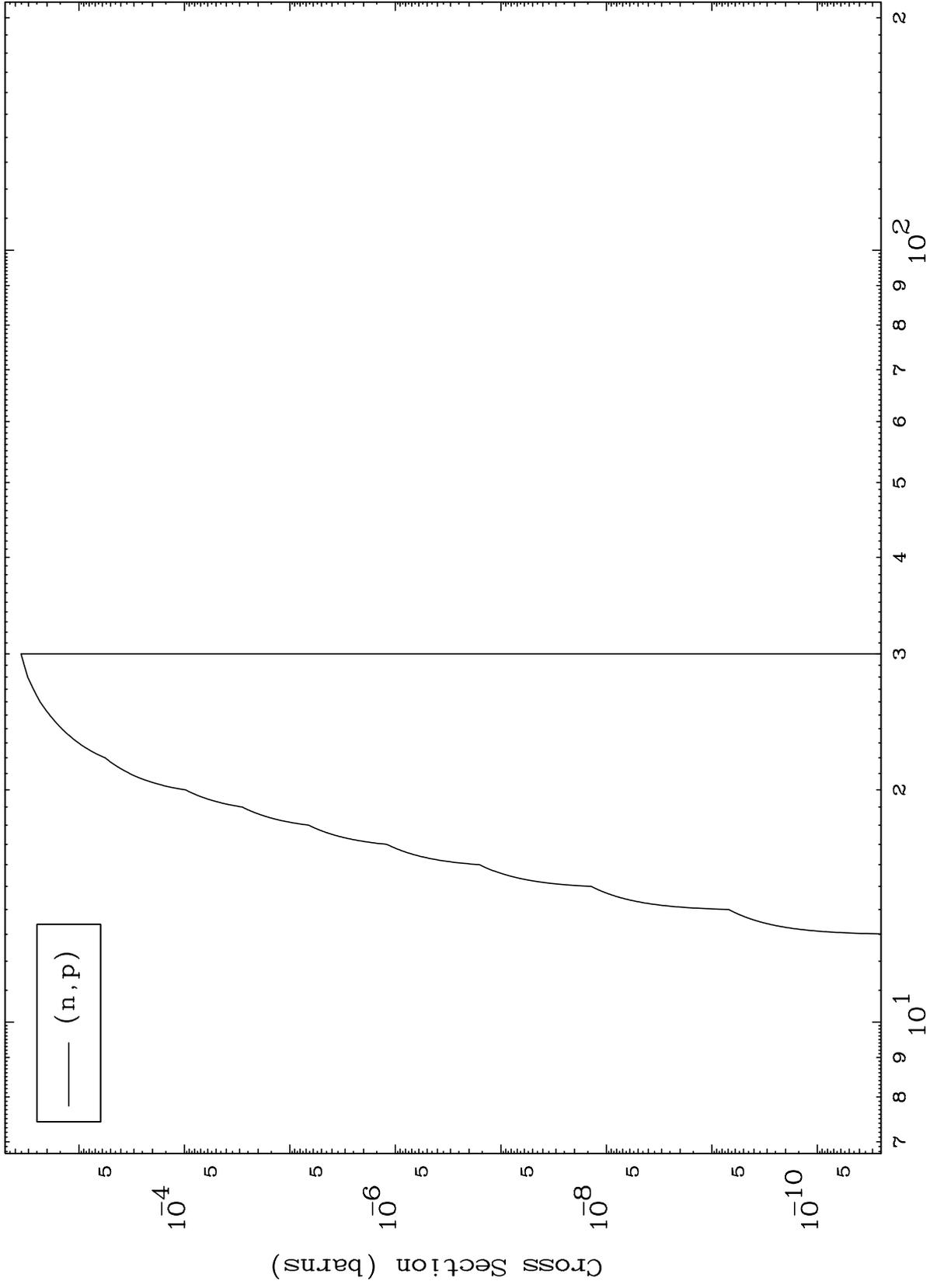
⁸³Bi-190m



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(α, p) Levels
0 Kelvin Cross Sections

83-Bi-190m



6

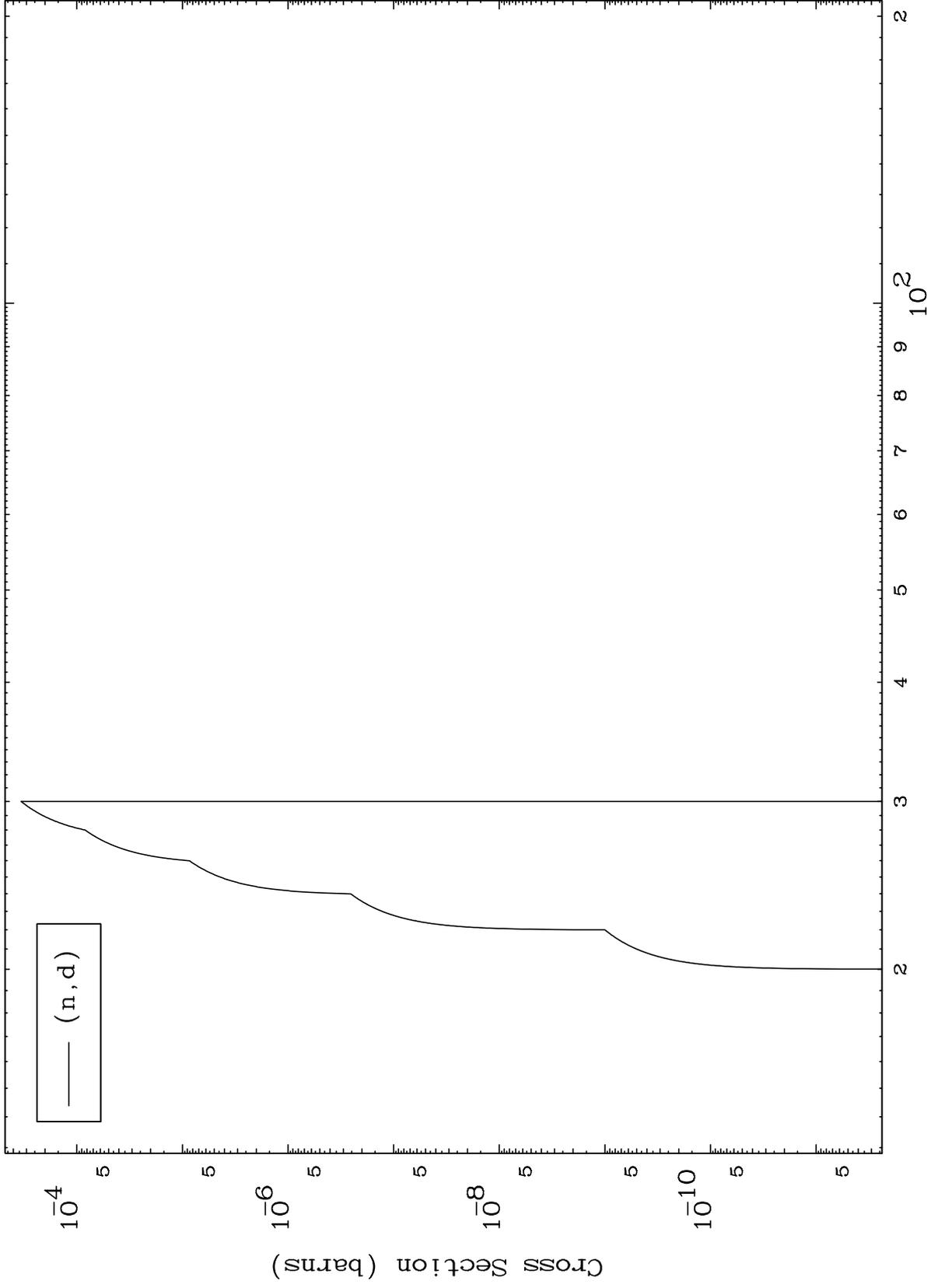
Incident Energy (MeV)

83-Bi-190m

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(α, d) Levels
0 Kelvin Cross Sections

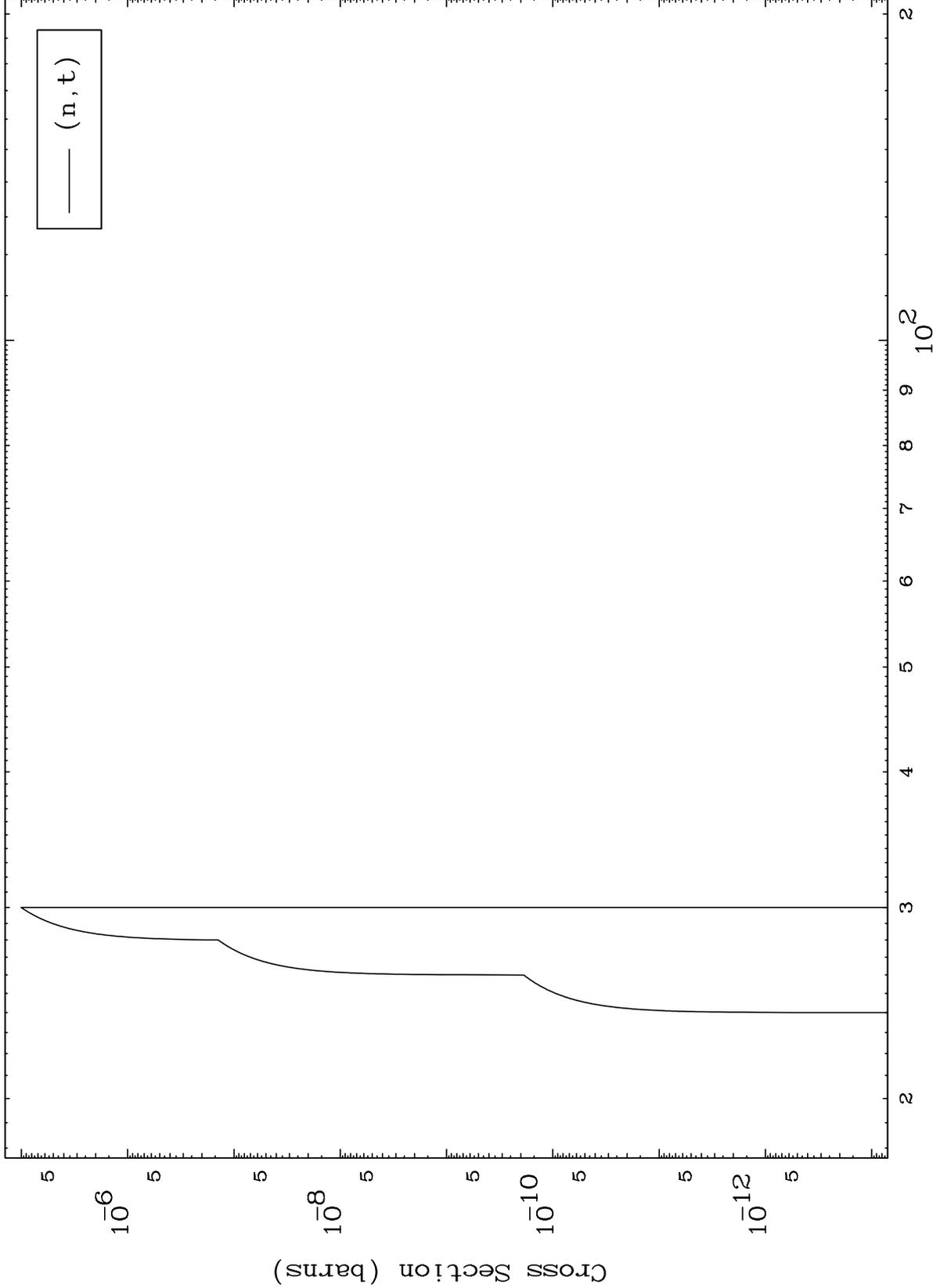
$^{83}\text{Bi}-190\text{m}$



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(α, t) Levels
0 Kelvin Cross Sections

83-Bi-190m



(n, t)

8

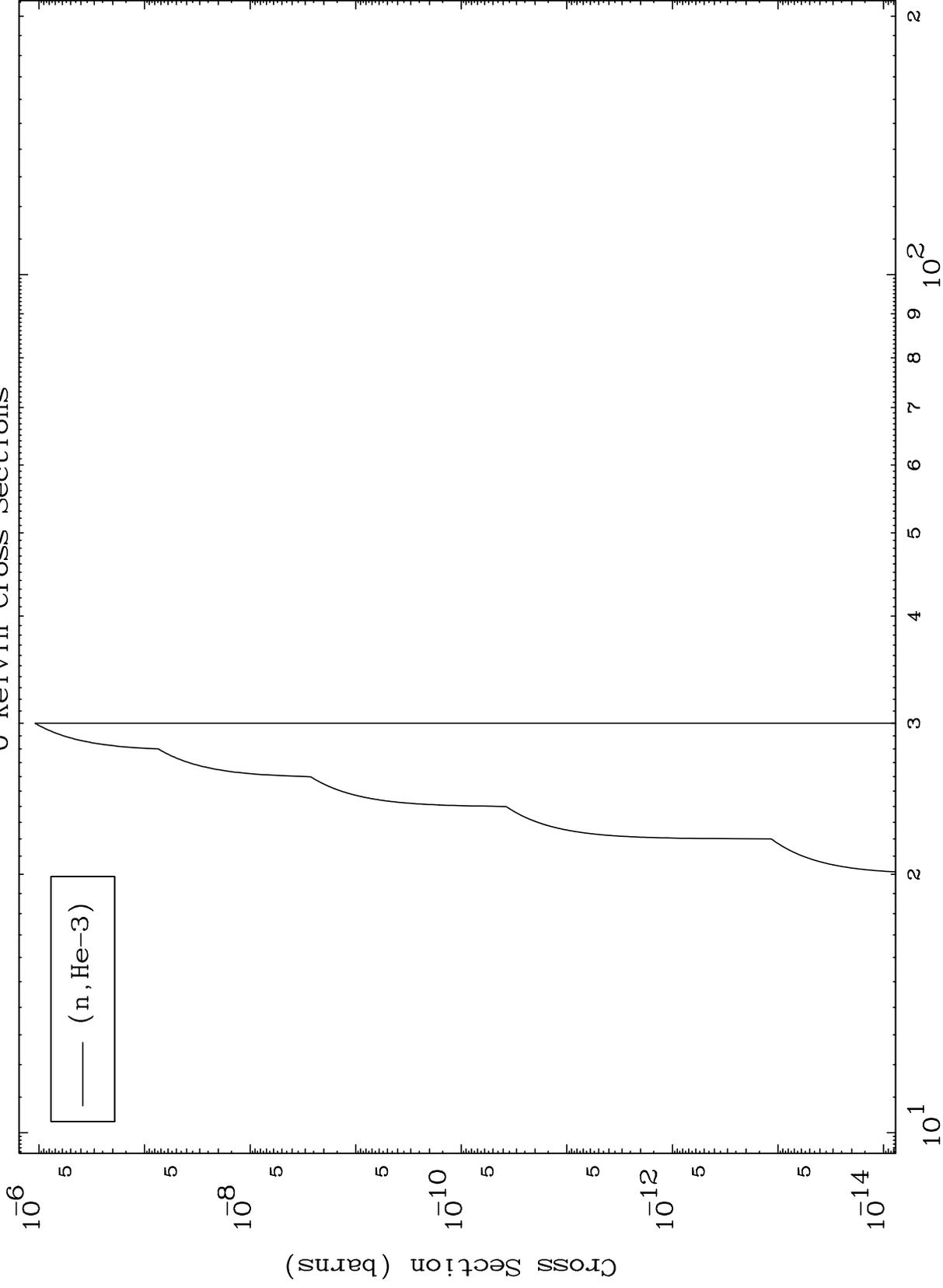
Incident Energy (MeV)

83-Bi-190m

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($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

$^{83}\text{Bi}-190\text{m}$



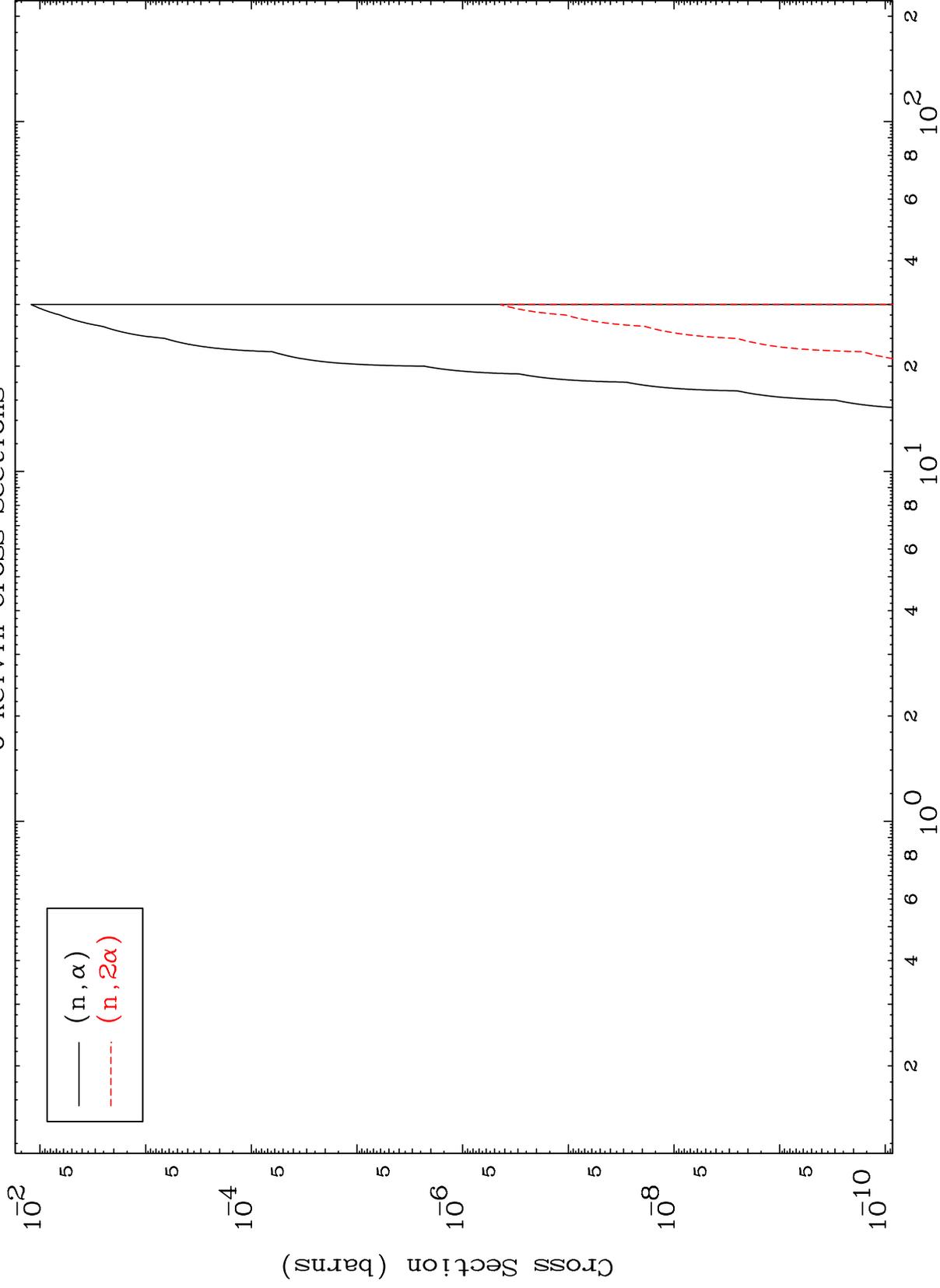
Incident Energy (MeV)

$^{83}\text{Bi}-190\text{m}$

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(α, α) Levels
0 Kelvin Cross Sections

$^{83}\text{Bi}-190\text{m}$



10

Incident Energy (MeV)

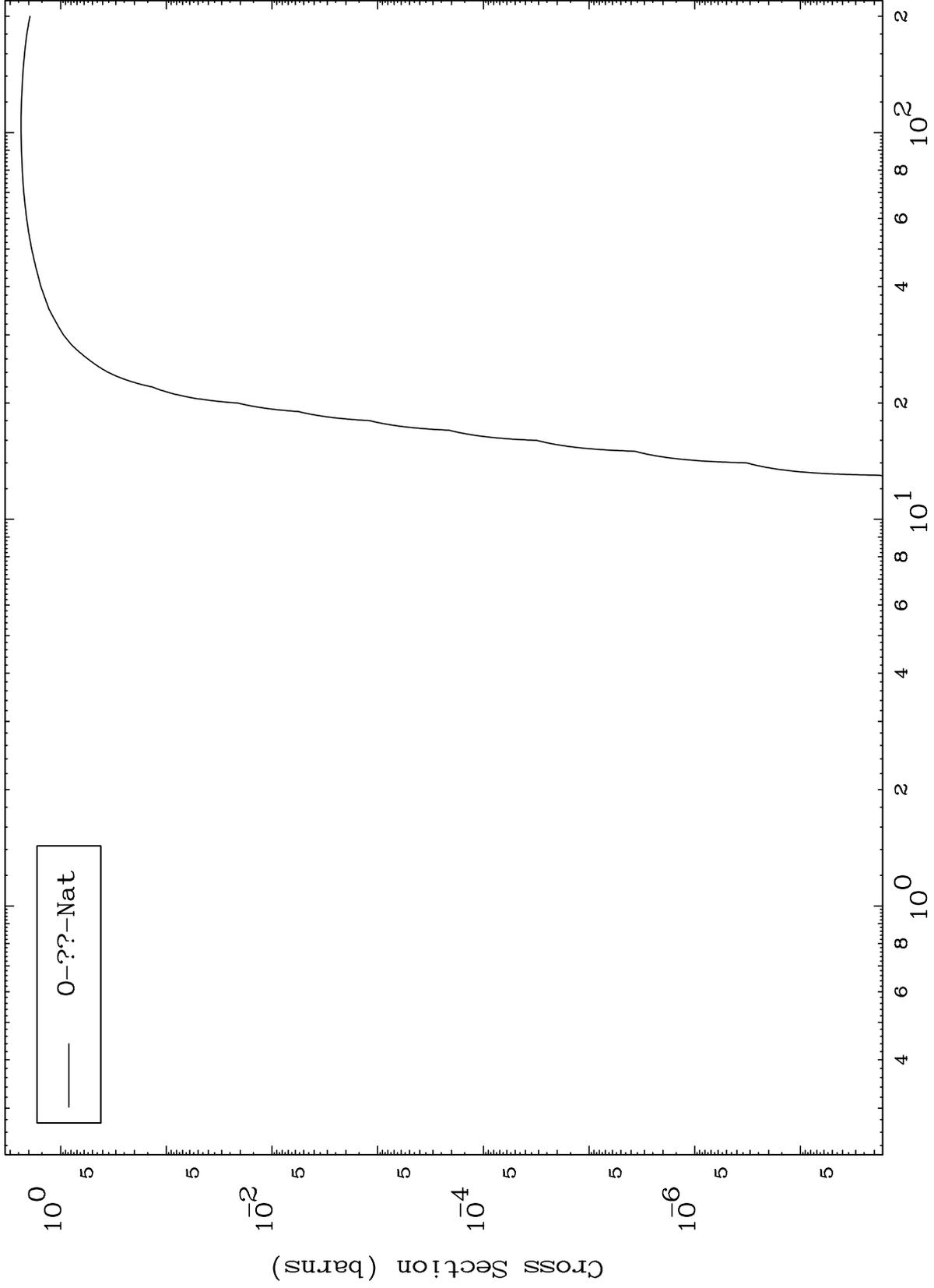
$^{83}\text{Bi}-190\text{m}$

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Fission

⁸³Bi-190m

Radionuclide Production Cross Section

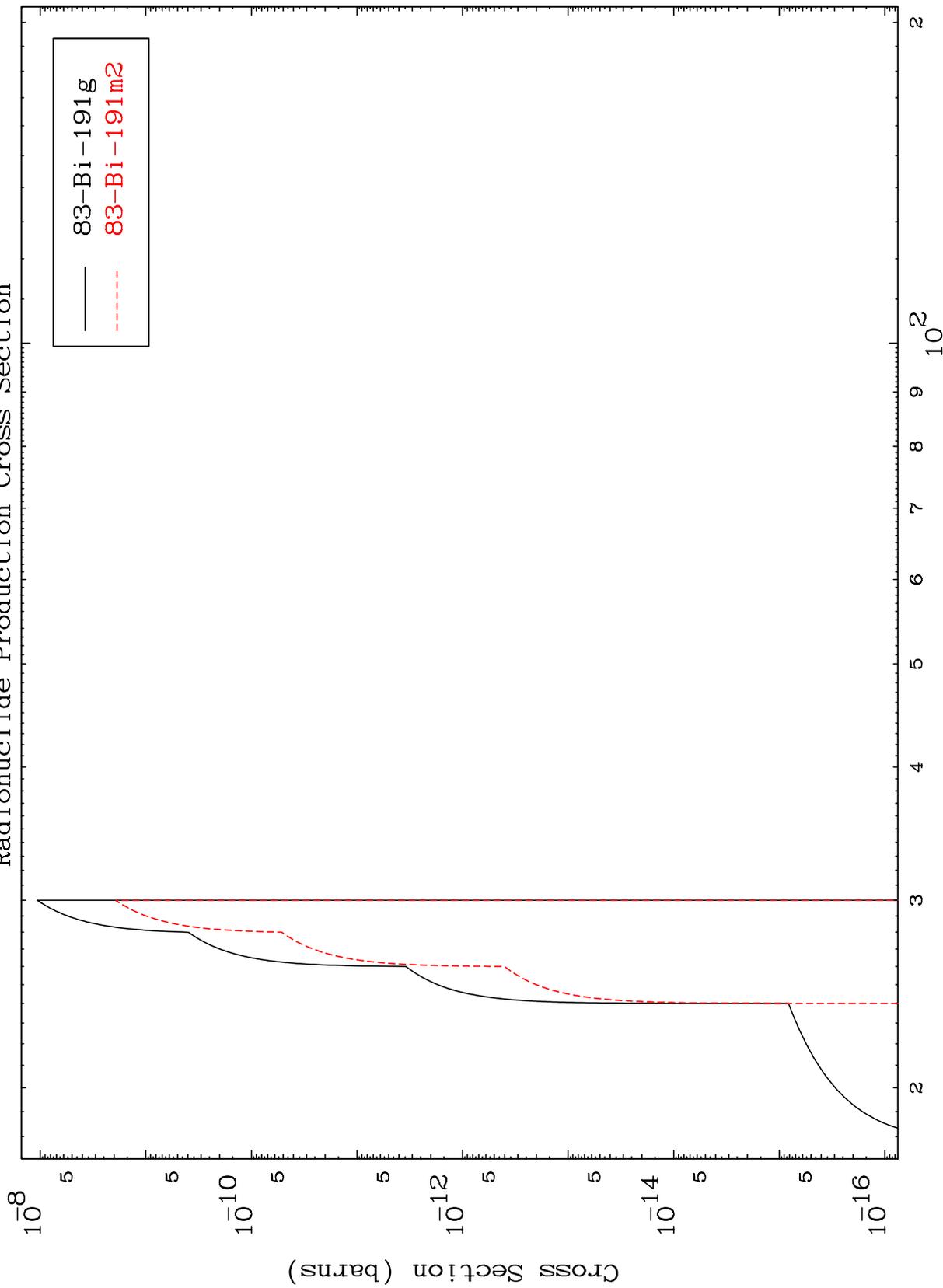


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(n,2n) p

83-Bi-190m

Radionuclide Production Cross Section



12

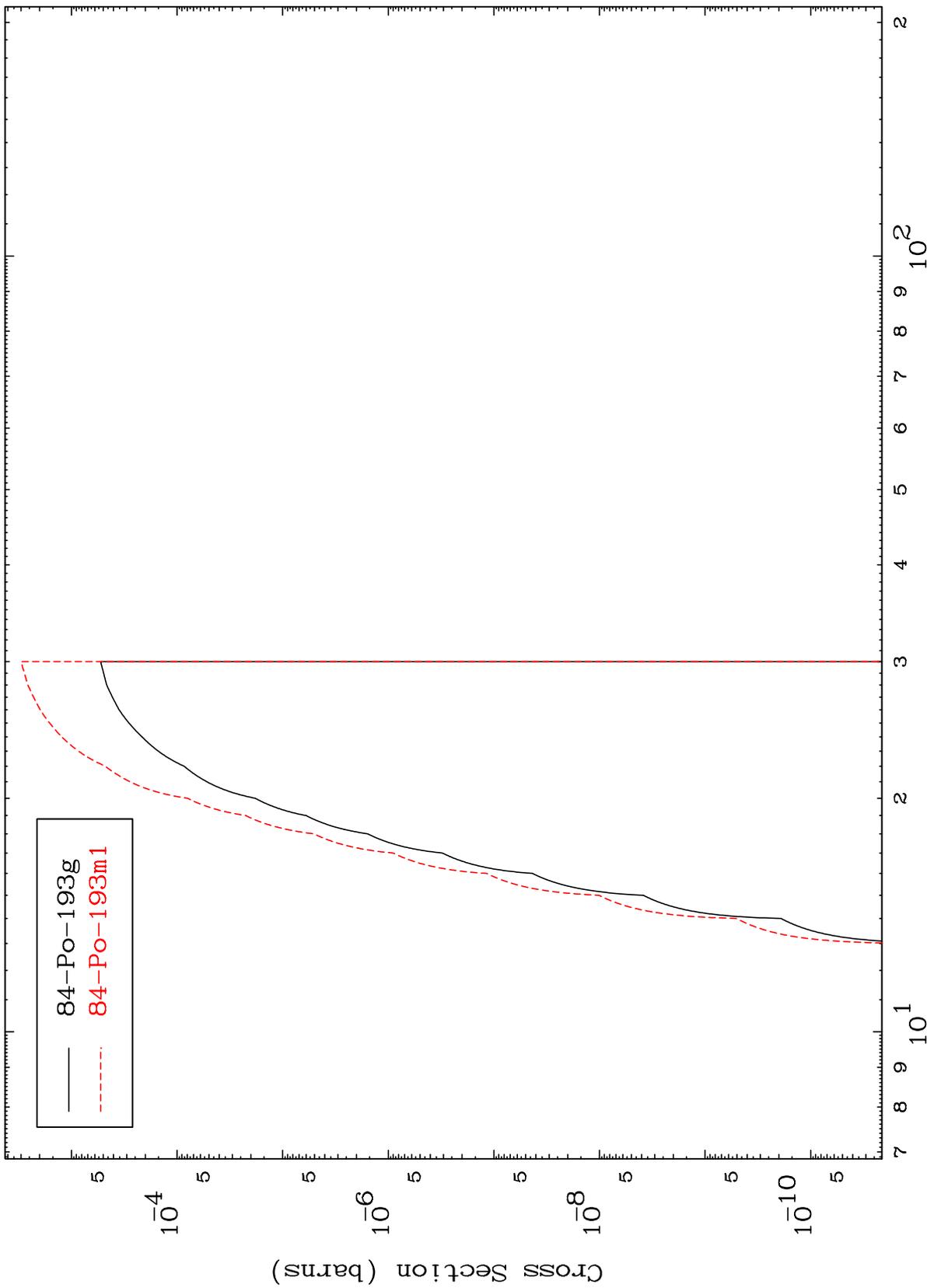
Incident Energy (MeV)

83-Bi-190m

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83-Bi-190m

(n,p)
Radionuclide Production Cross Section



83-Bi-190m

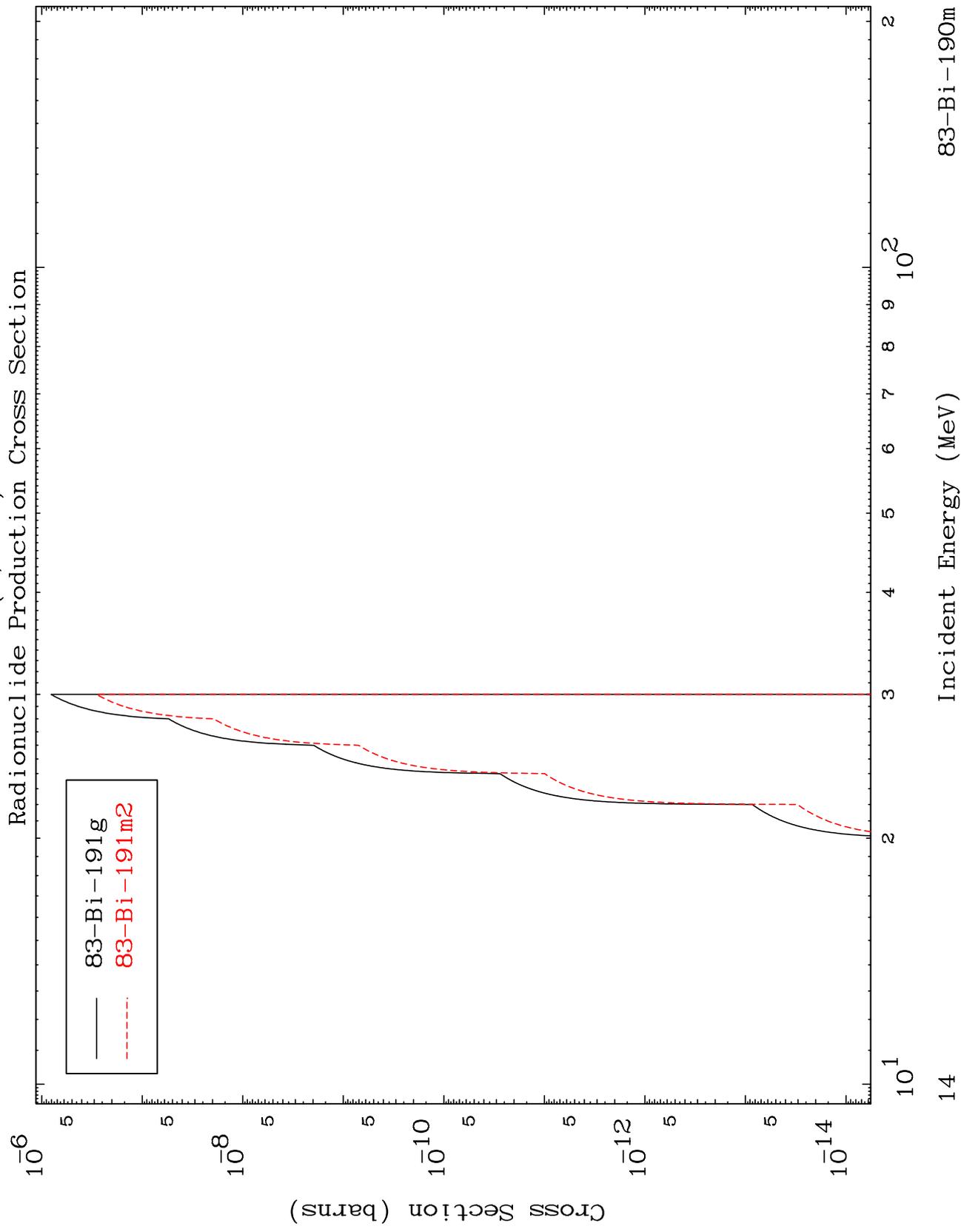
Incident Energy (MeV)

13

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83-Bi-190m

Radionuclide Production Cross Section
(n,He-3)



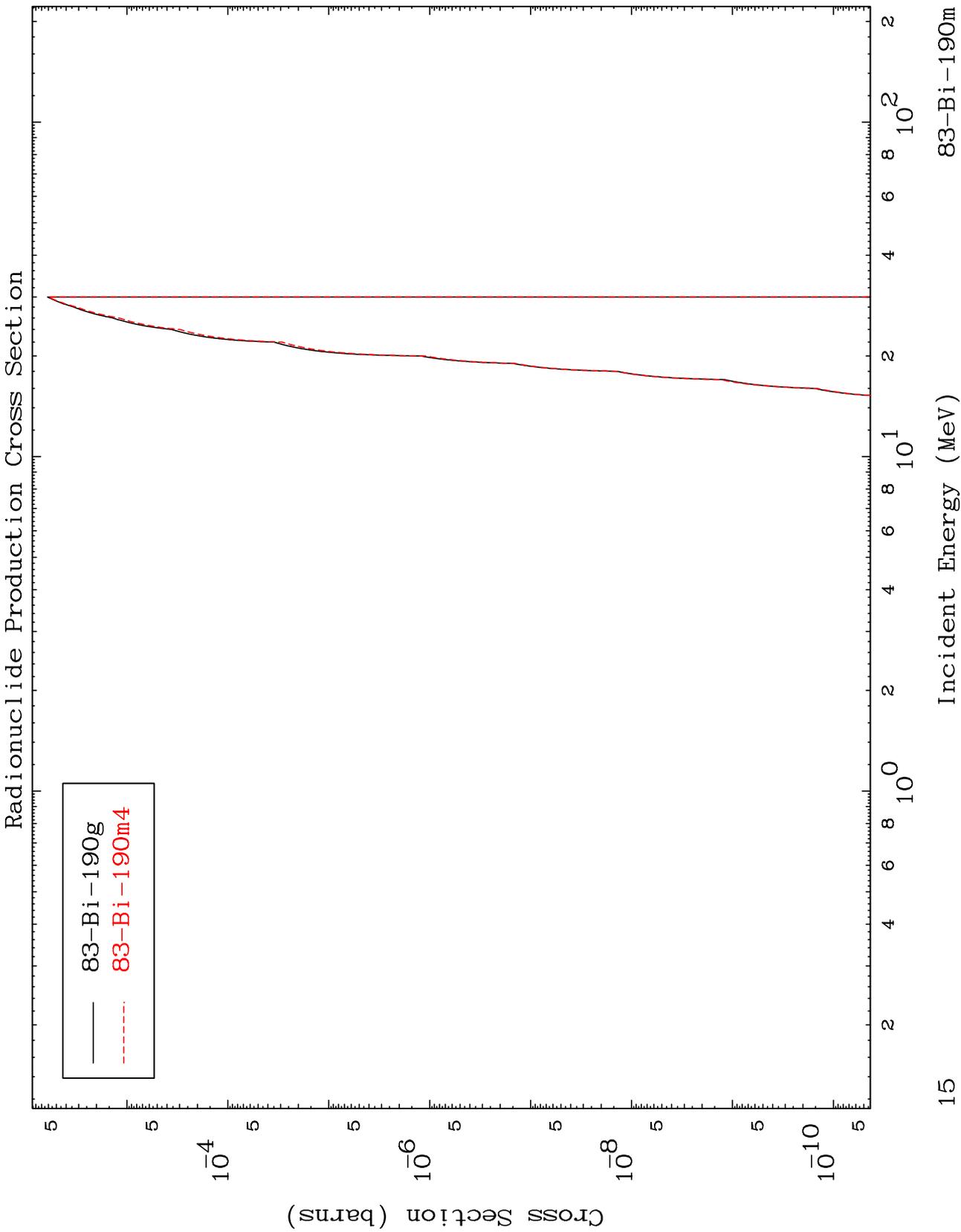
83-Bi-191g
83-Bi-191m2

83-Bi-190m

Incident Energy (MeV)

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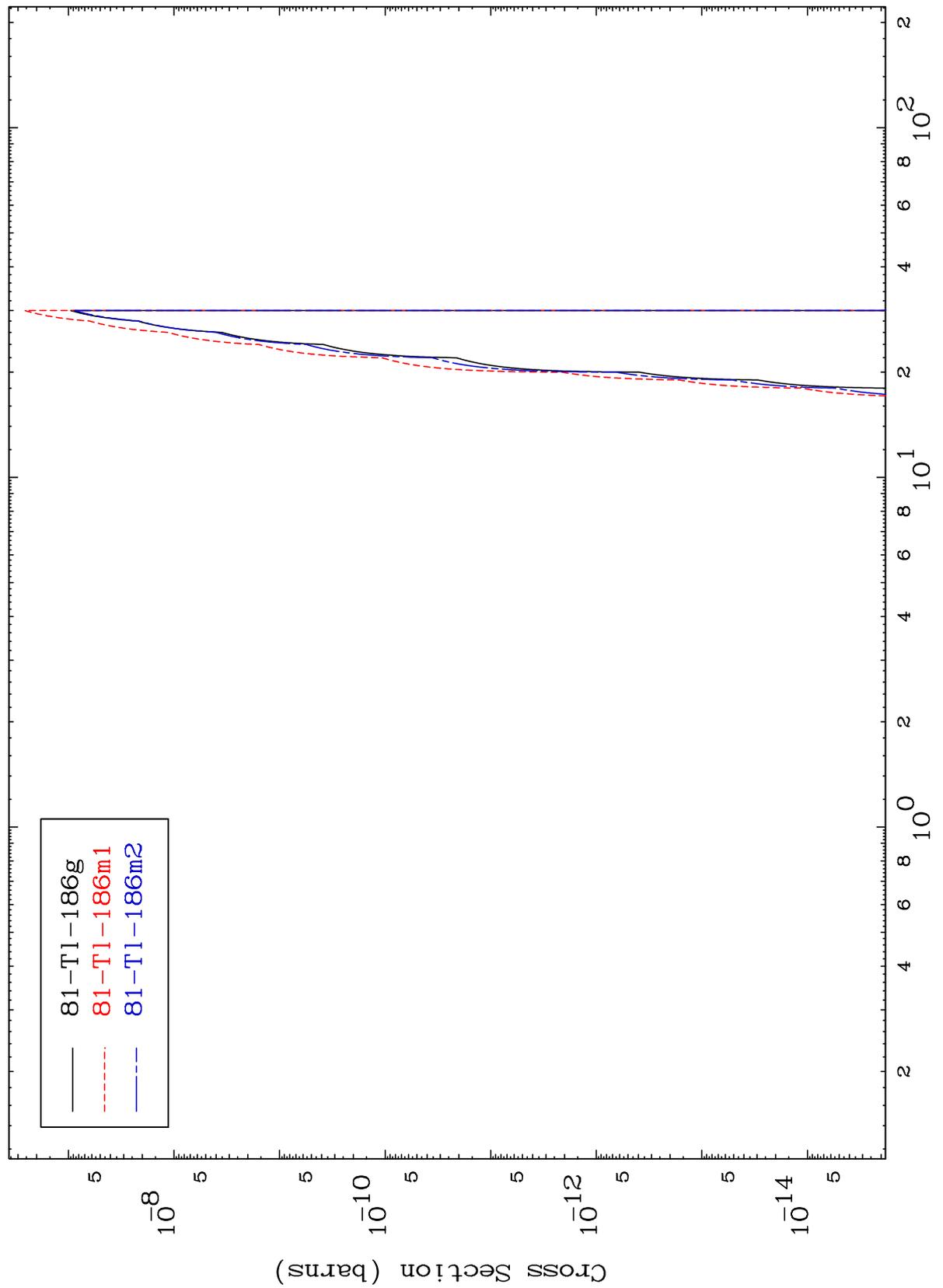
⁸³Bi-190m

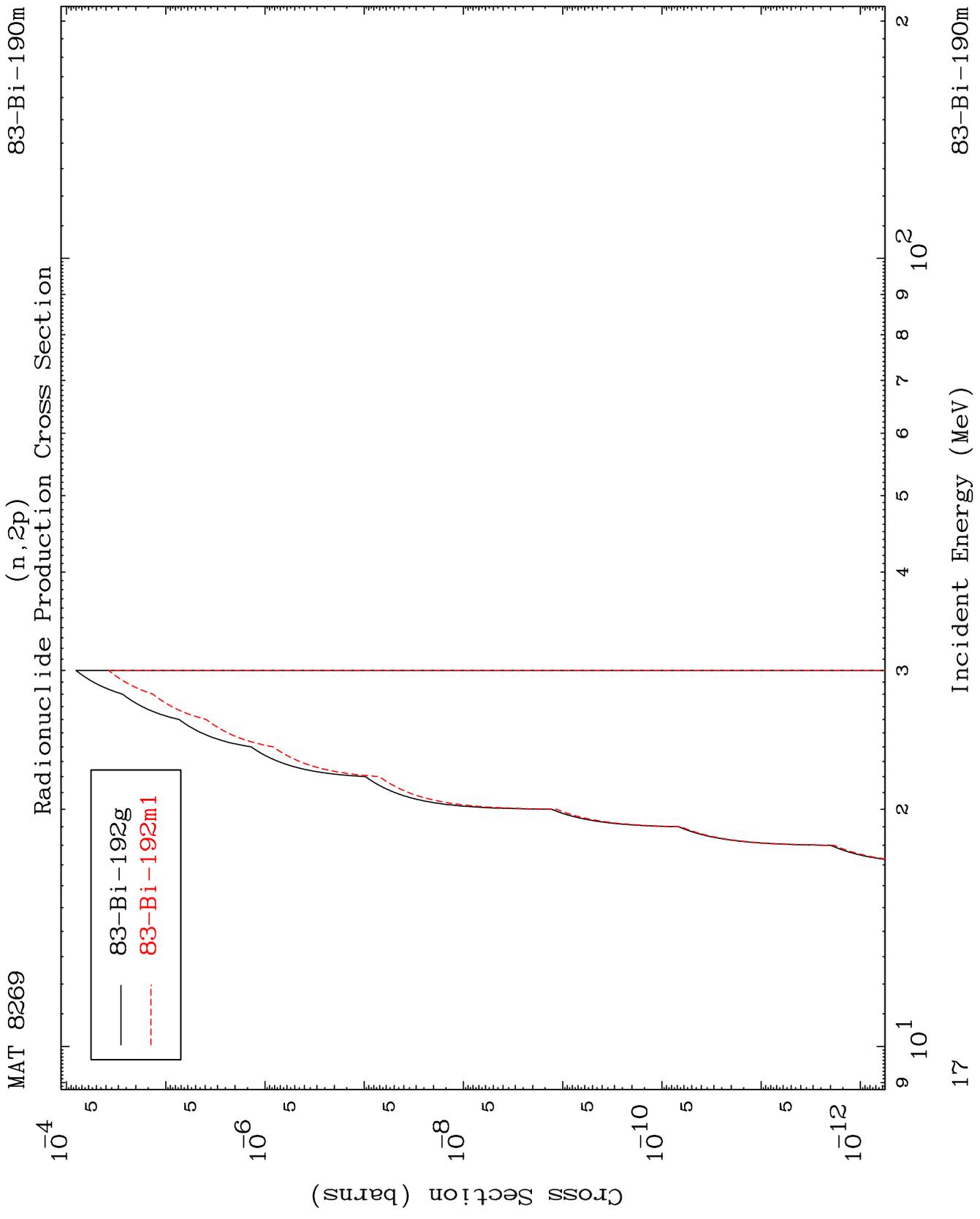


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83-Bi-190m

Radionuclide Production Cross Section
(n,2α)

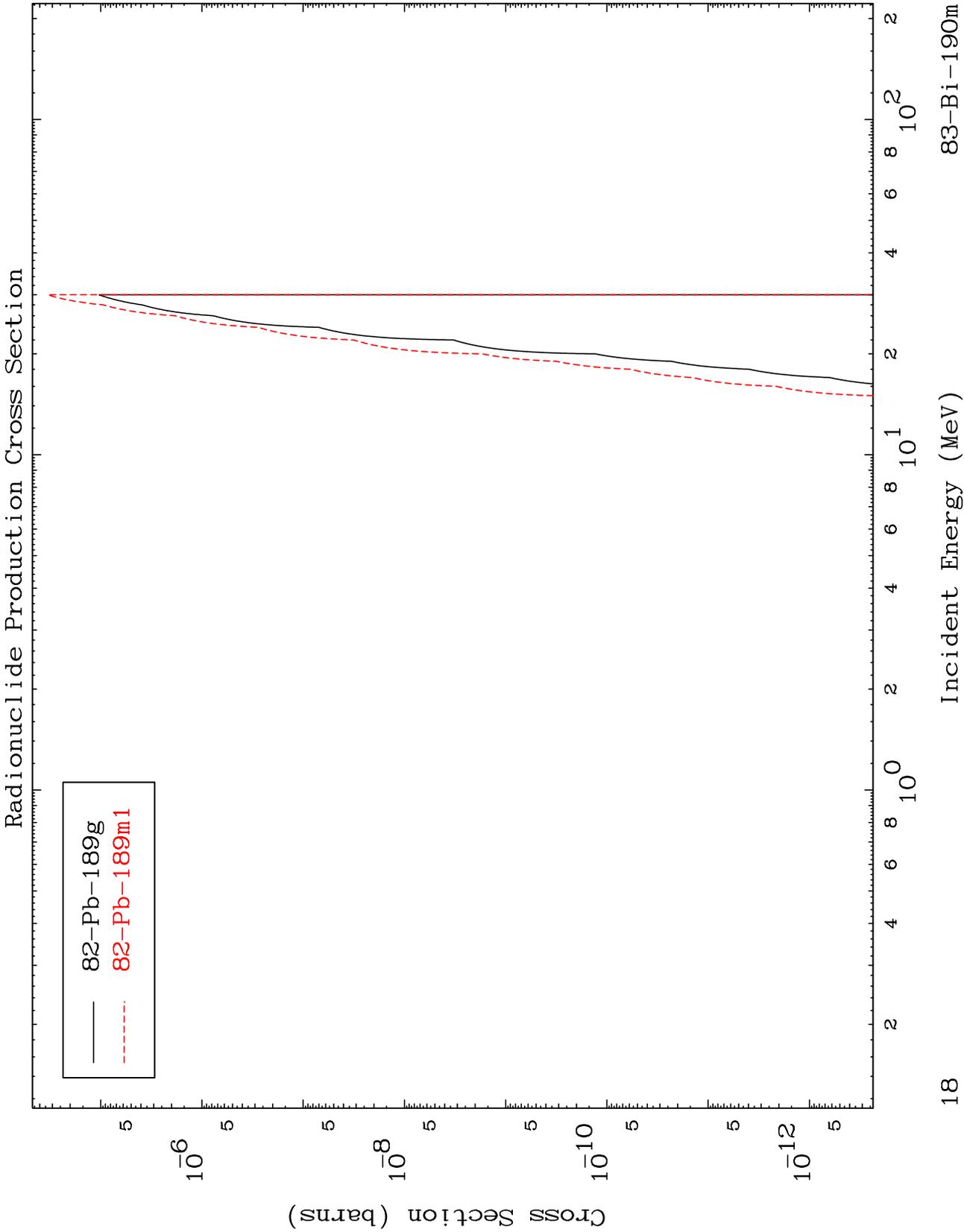




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(n,p) α

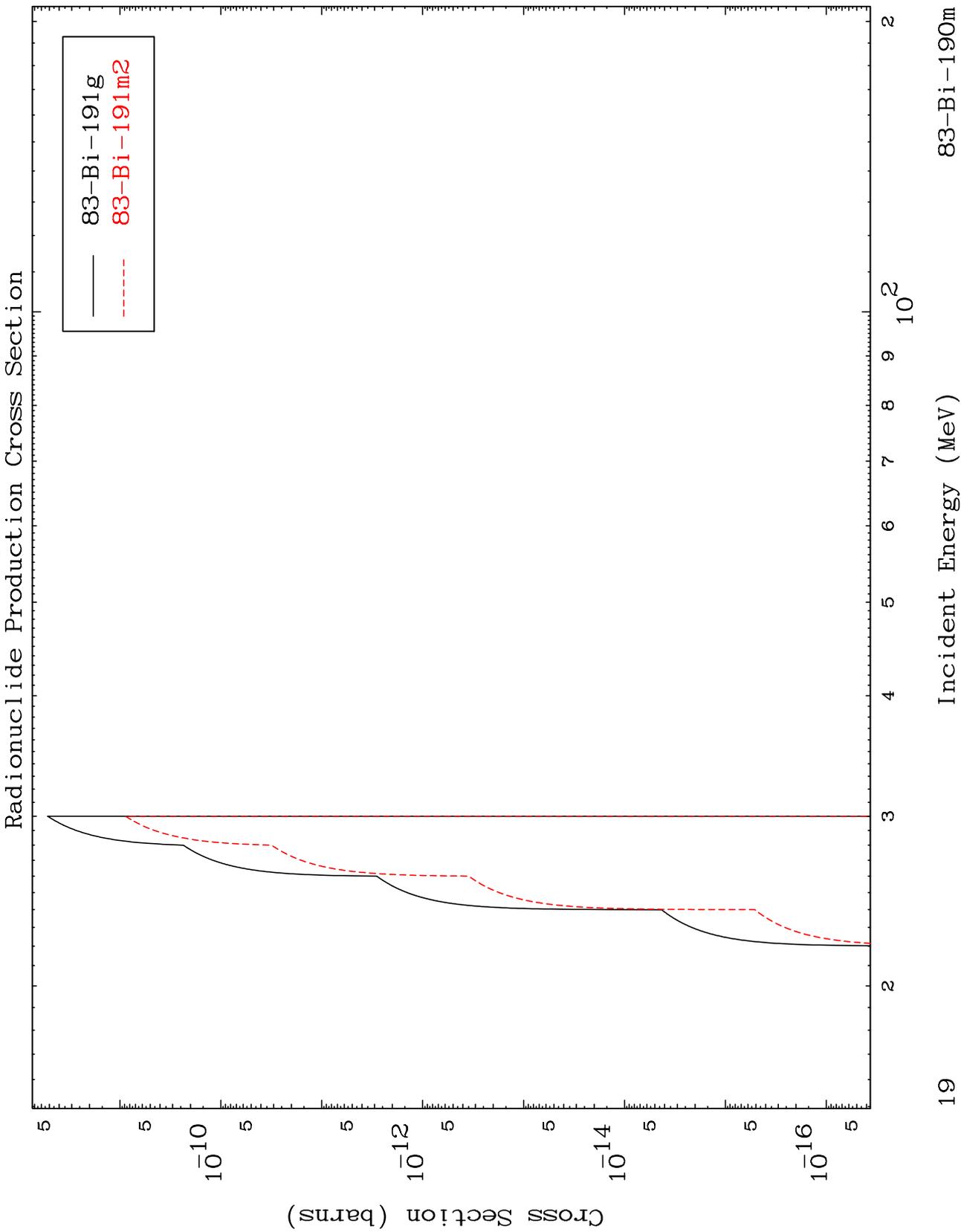
$^{83}\text{Bi}-190\text{m}$



MAT 8269

(n,p) d

83-Bi-190m



19

Incident Energy (MeV)

83-Bi-190m