

Program EVALPLOT
(Version 2021-1)

by

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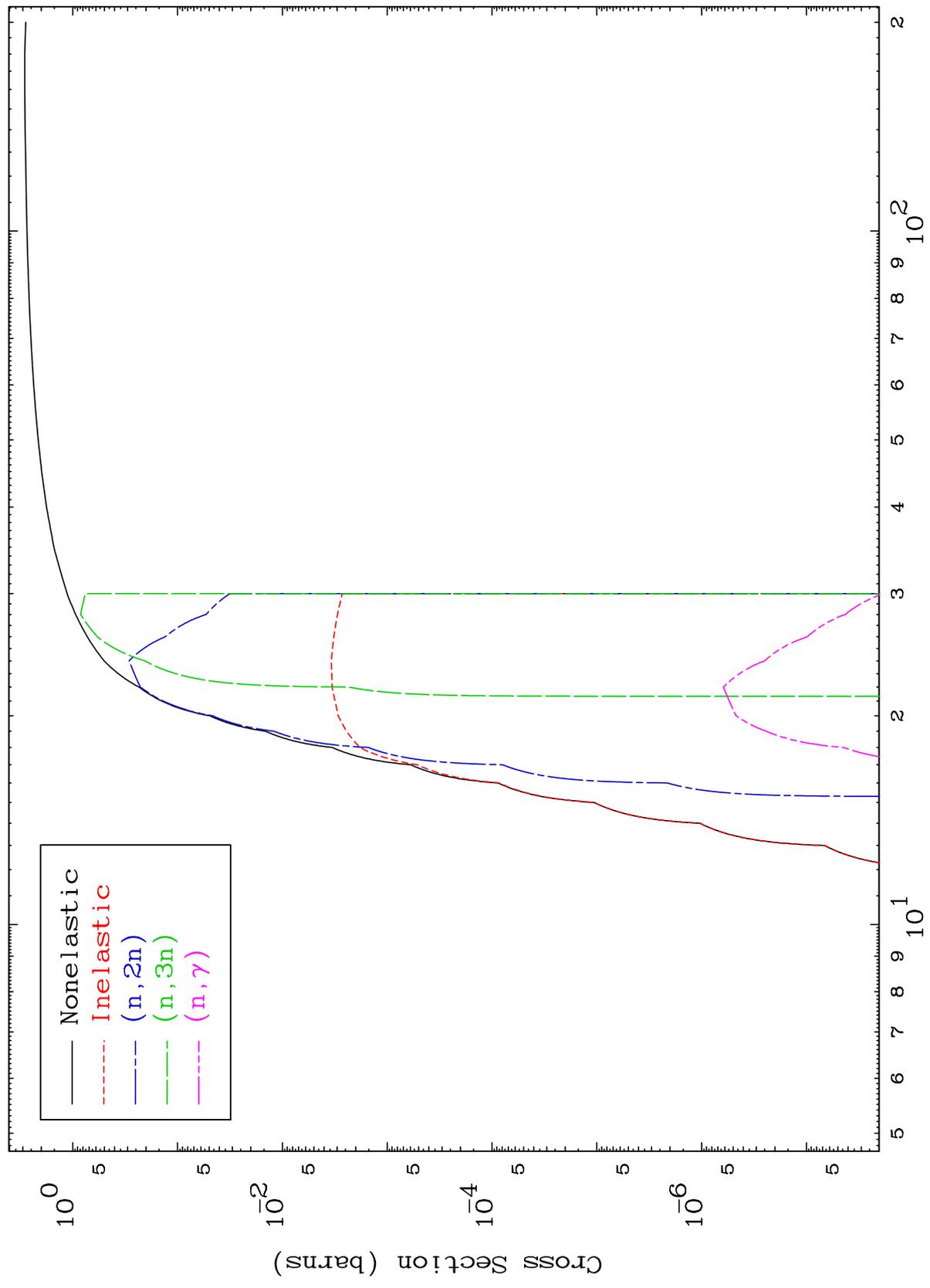
Press Mouse Button to Start

MAT 8344

0 Kelvin

α Major

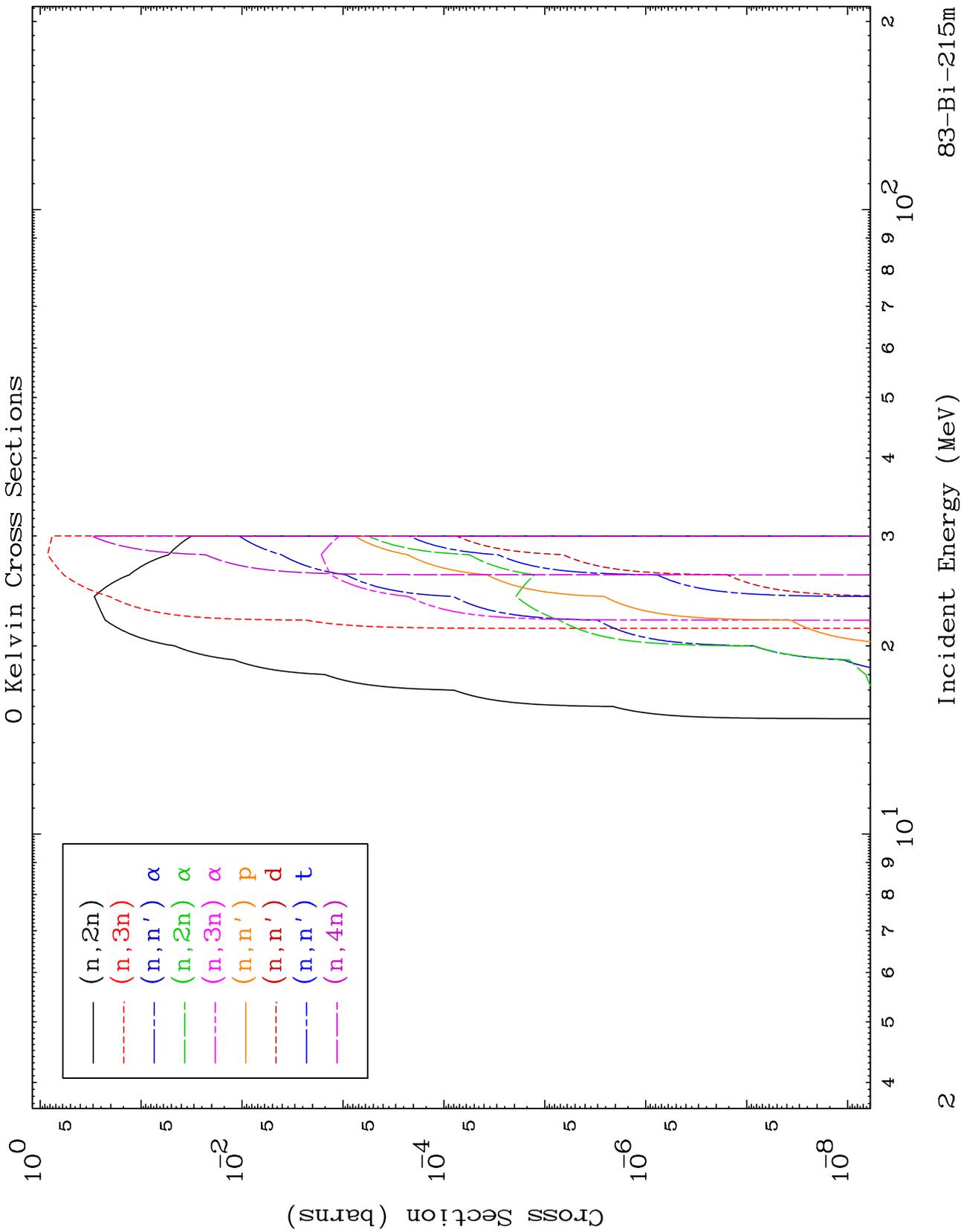
83-Bi-215m



MAT 8344

α Neutron Absorption

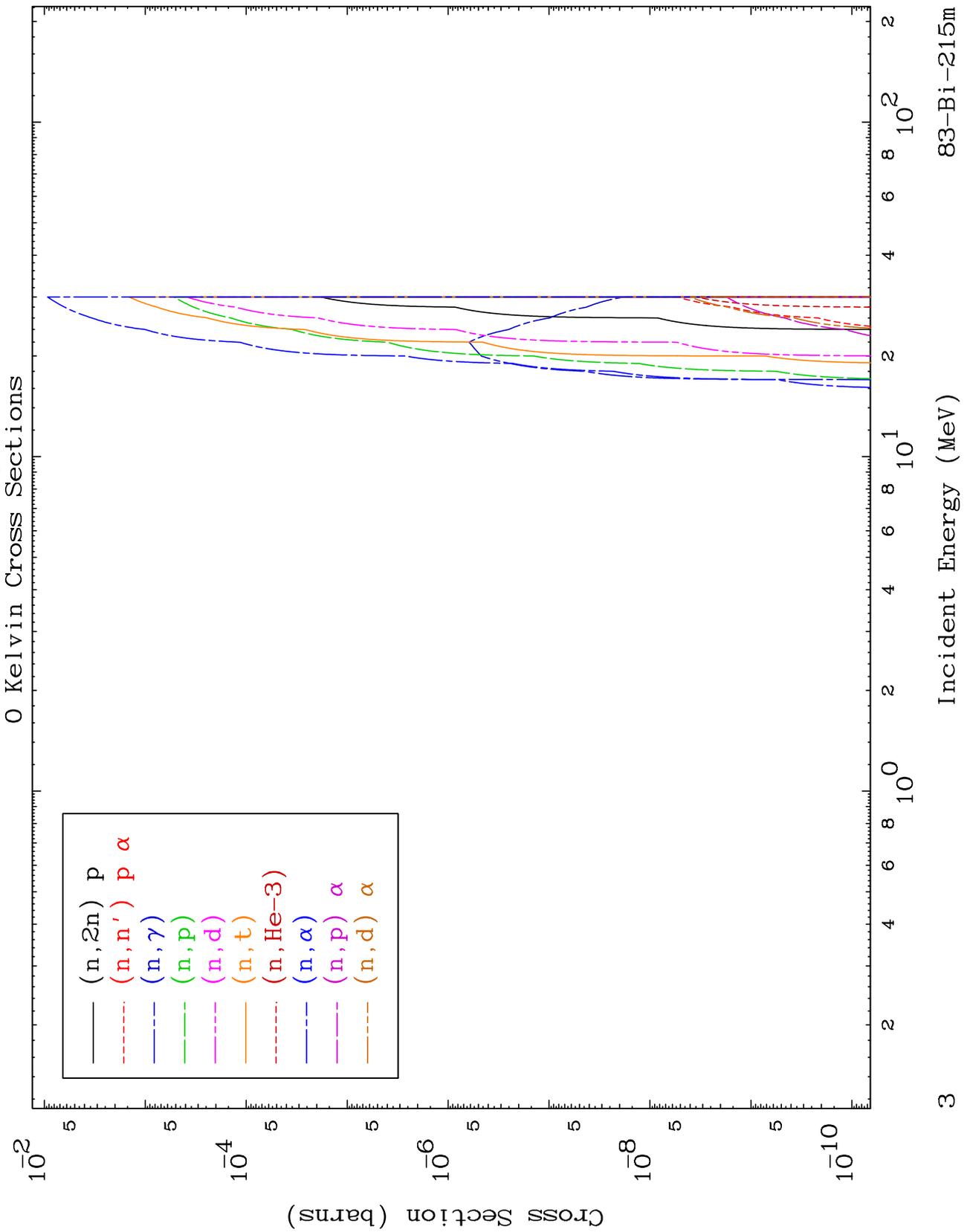
83-Bi-215m



MAT 8344

α Neutron Absorption

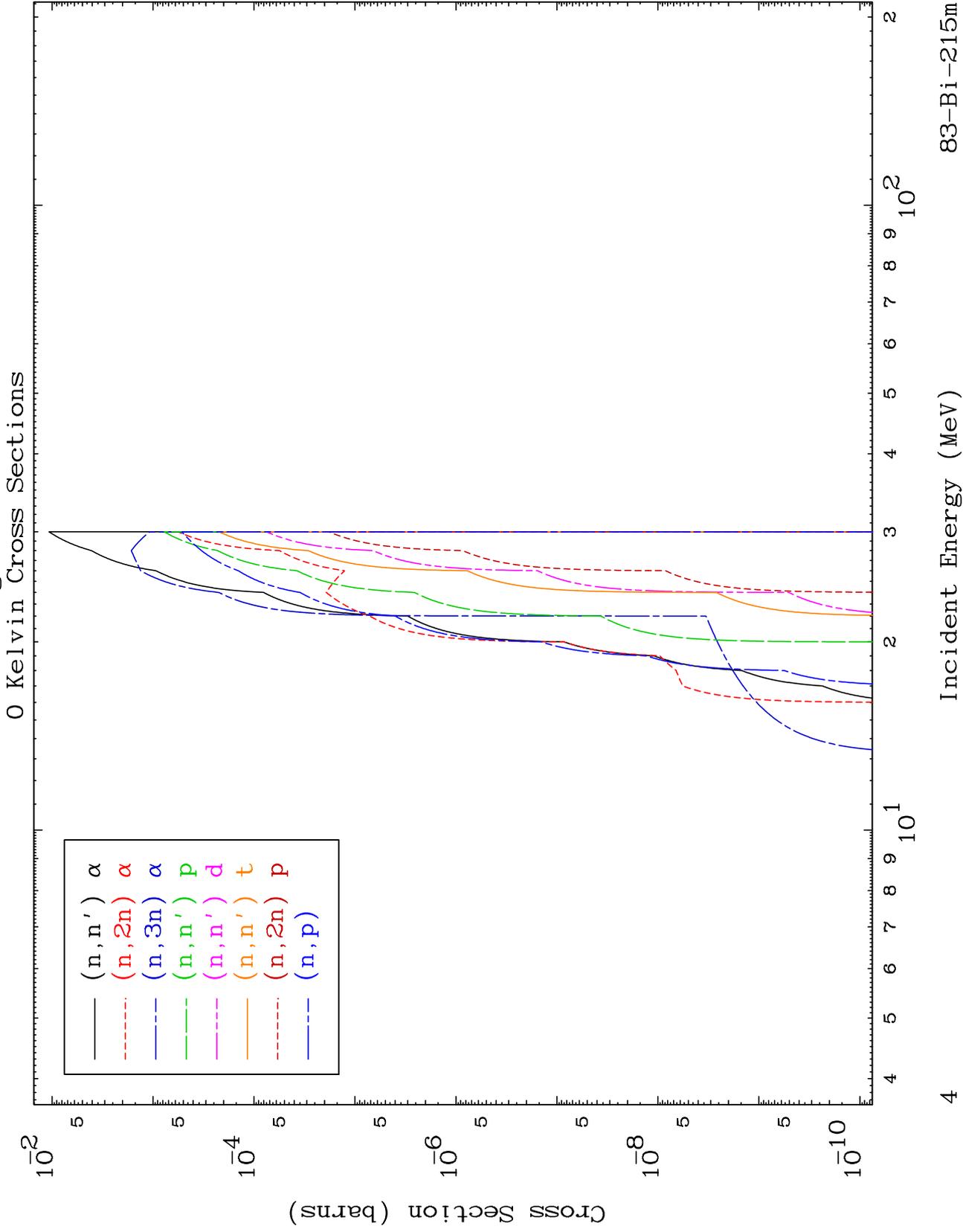
83-Bi-215m



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α Charged Particle

83-Bi-215m



4

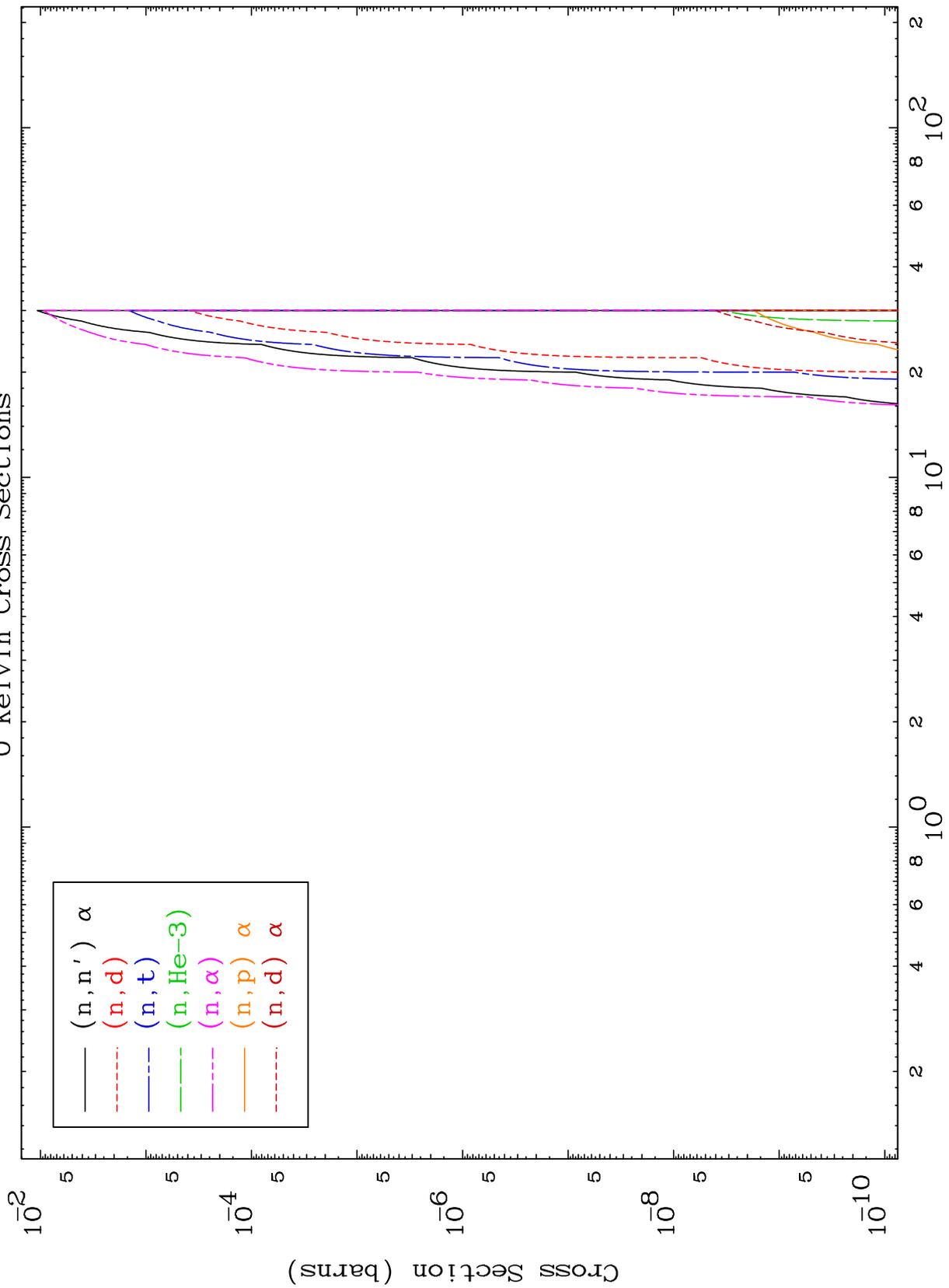
Incident Energy (MeV)

83-Bi-215m

MAT 8344

α Charged Particle
0 Kelvin Cross Sections

83-Bi-215m

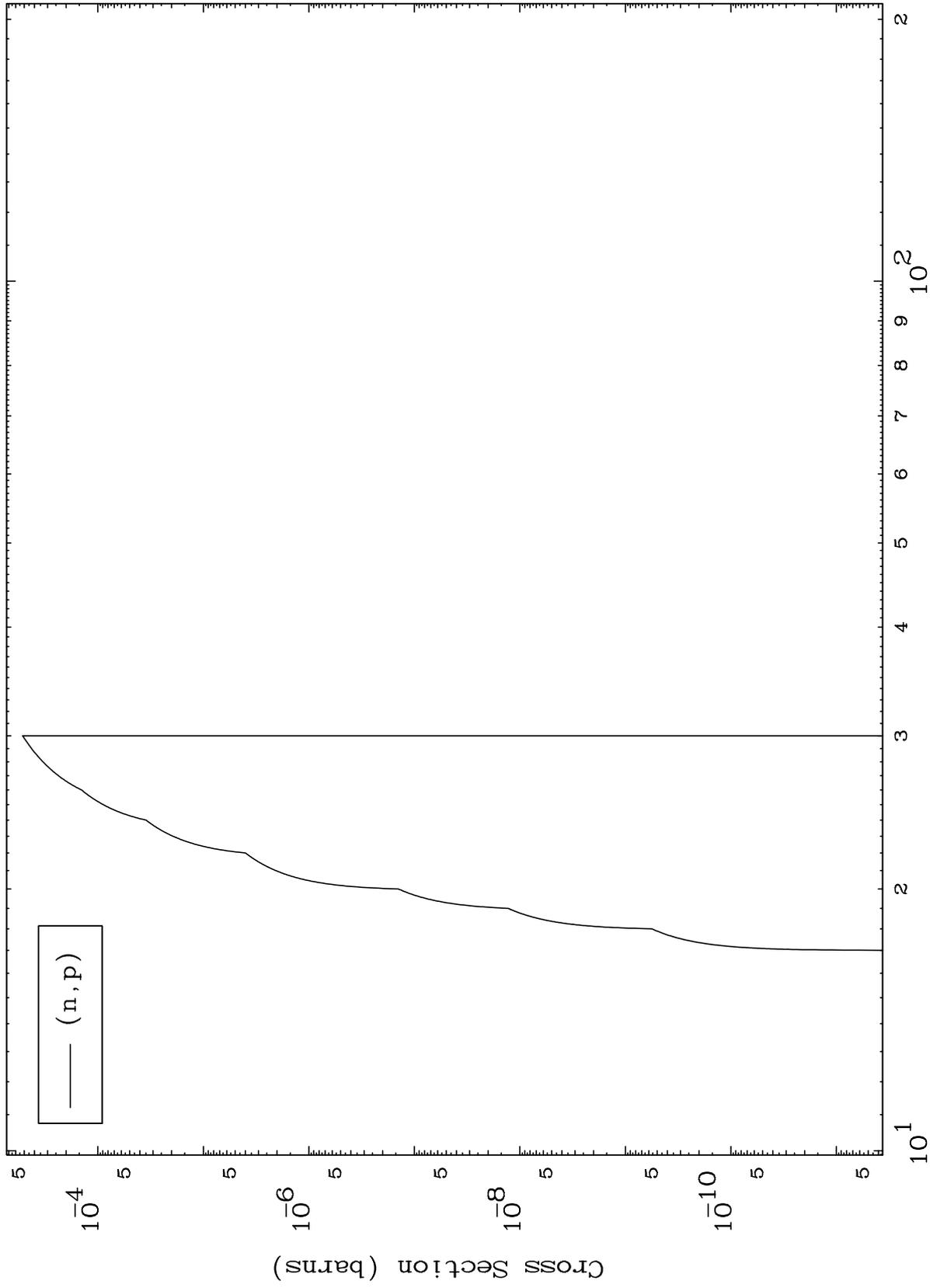


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(α, p) Levels

$^{83}\text{Bi}-215\text{m}$

0 Kelvin Cross Sections



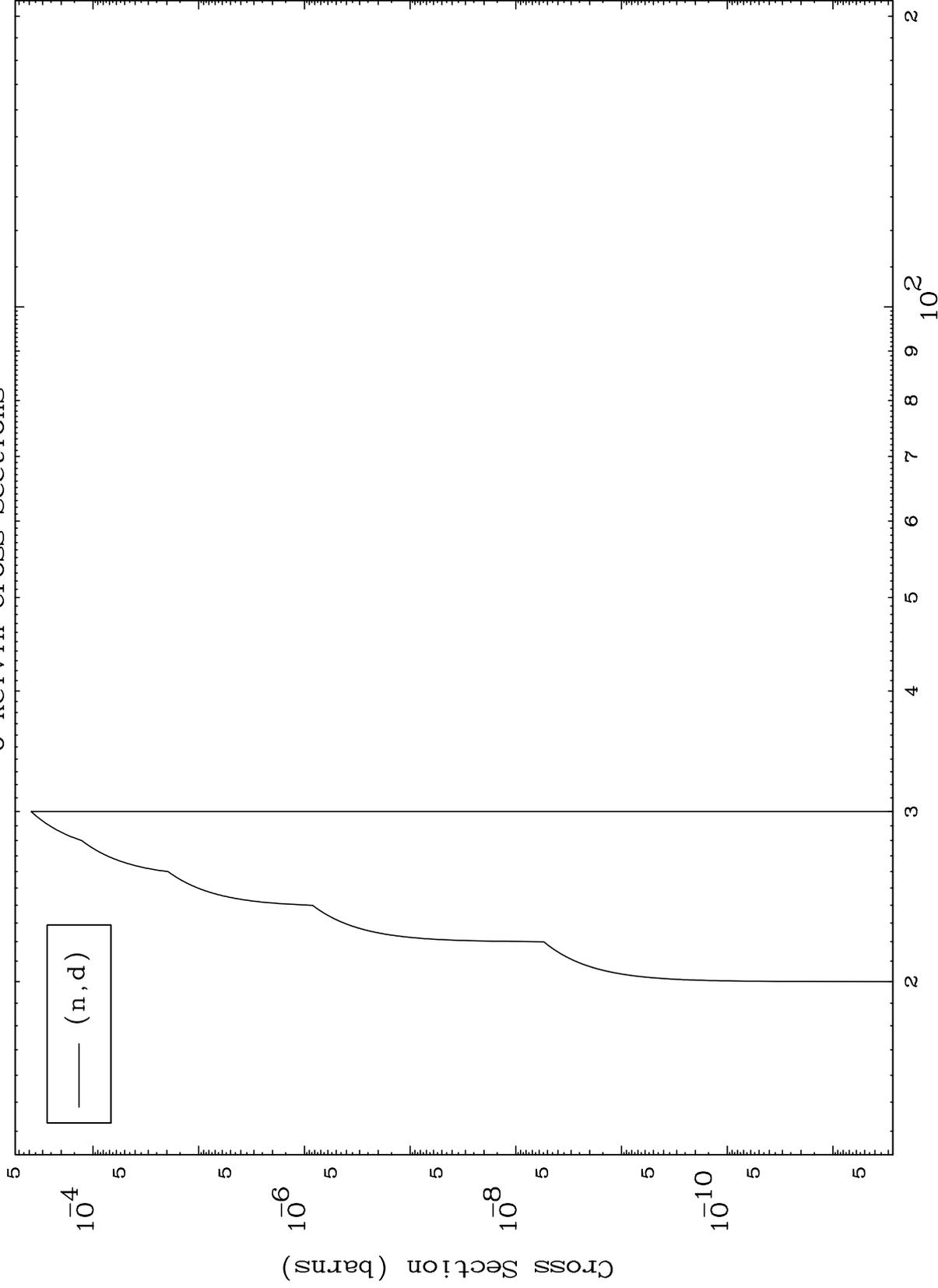
Incident Energy (MeV)

$^{83}\text{Bi}-215\text{m}$

MAT 8344

83-Bi-215m

(α, d) Levels
0 Kelvin Cross Sections



83-Bi-215m

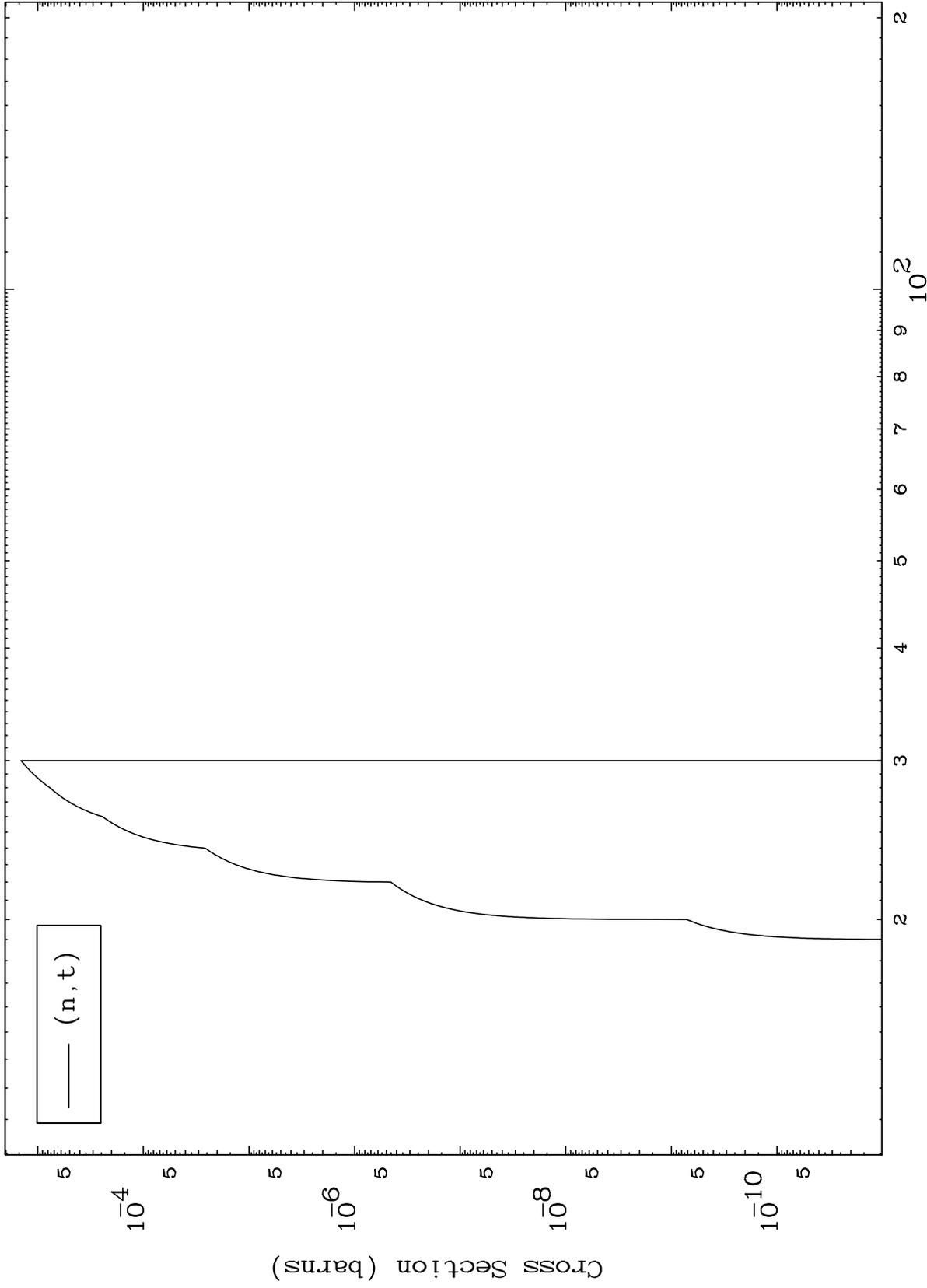
Incident Energy (MeV)

7

MAT 8344

(α, t) Levels
0 Kelvin Cross Sections

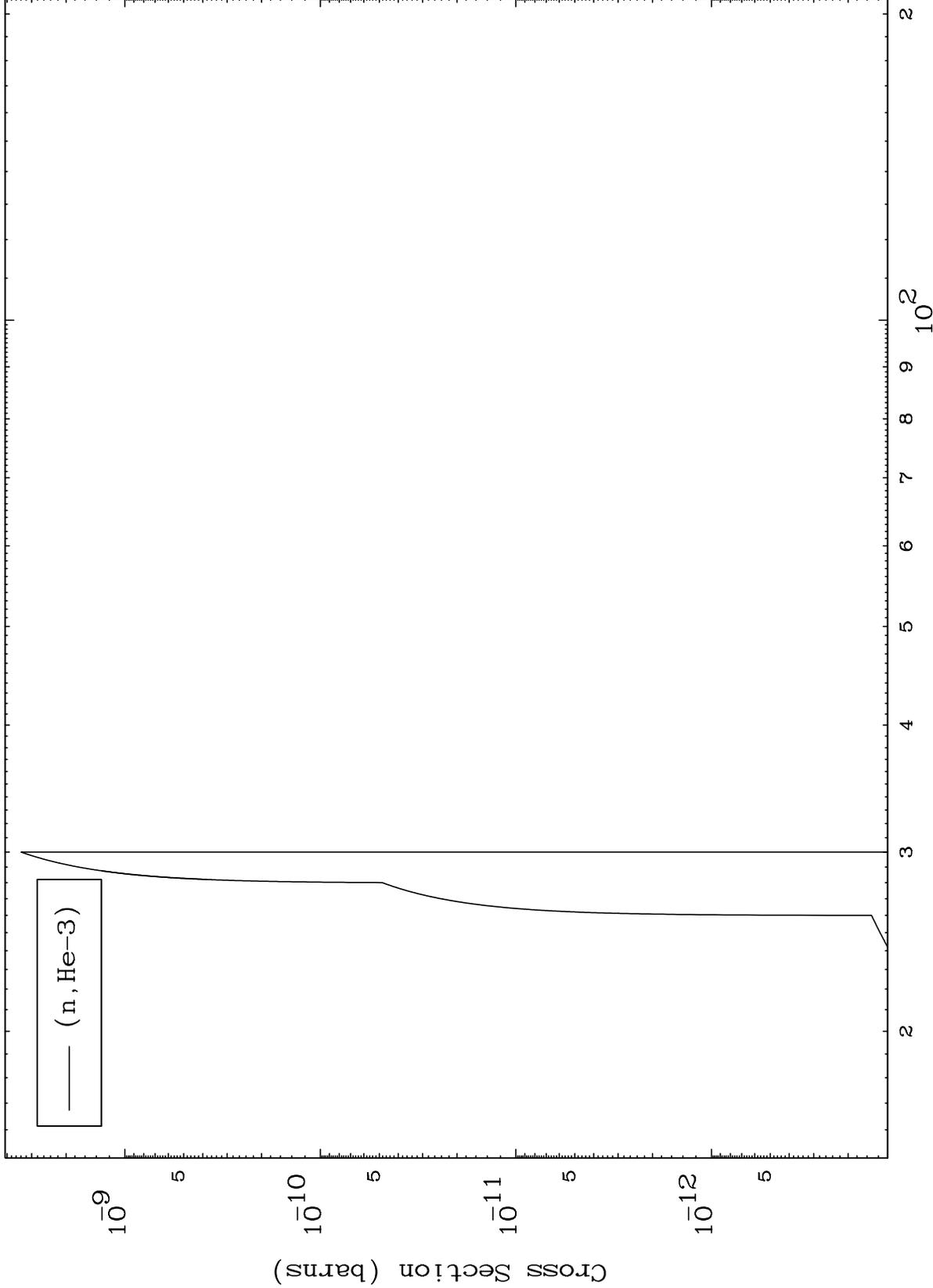
$^{83}\text{Bi}-215\text{m}$



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

$^{83}\text{Bi}-215\text{m}$



9

Incident Energy (MeV)

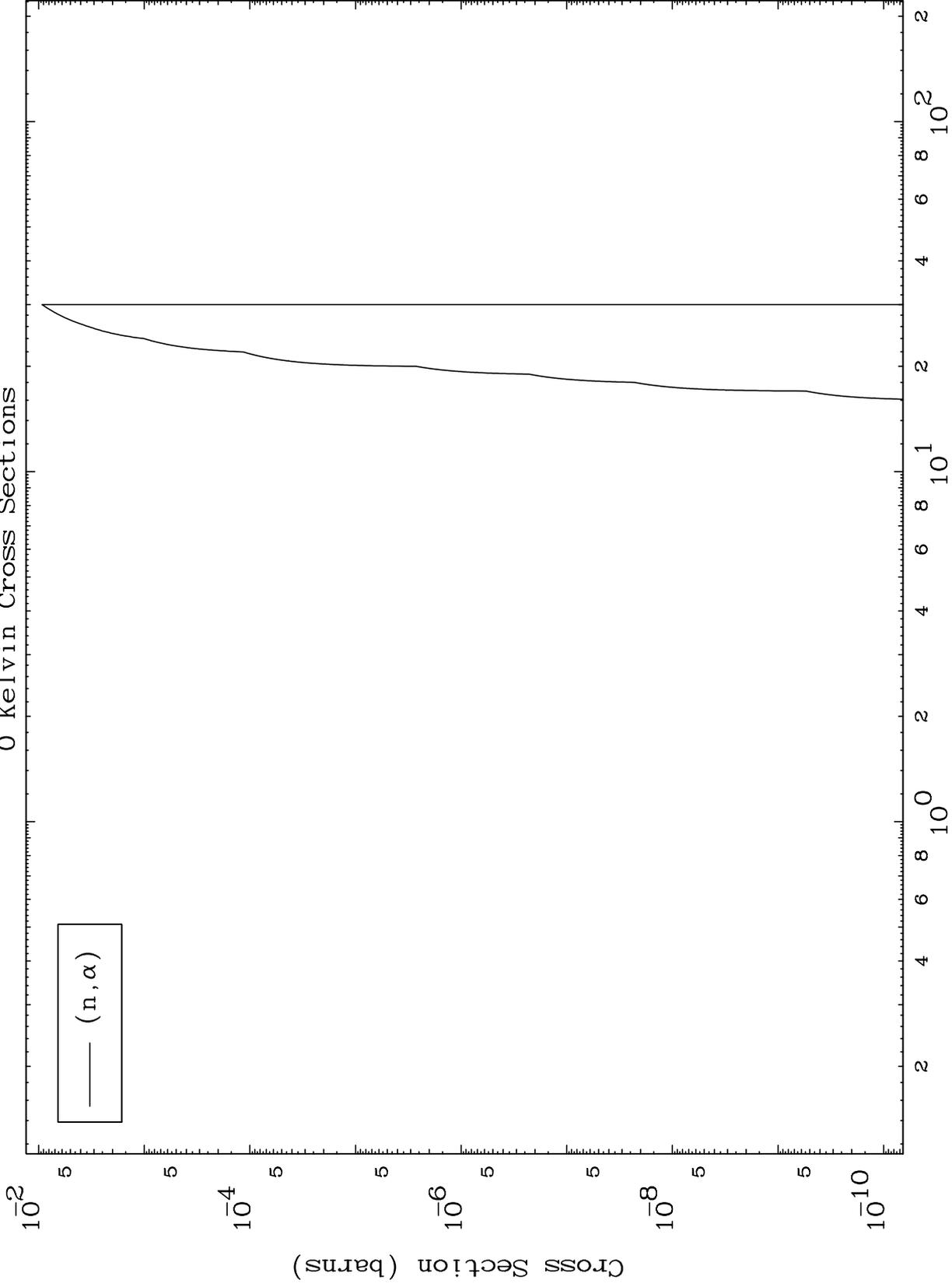
$^{83}\text{Bi}-215\text{m}$

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(α, α) Levels

83-Bi-215m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

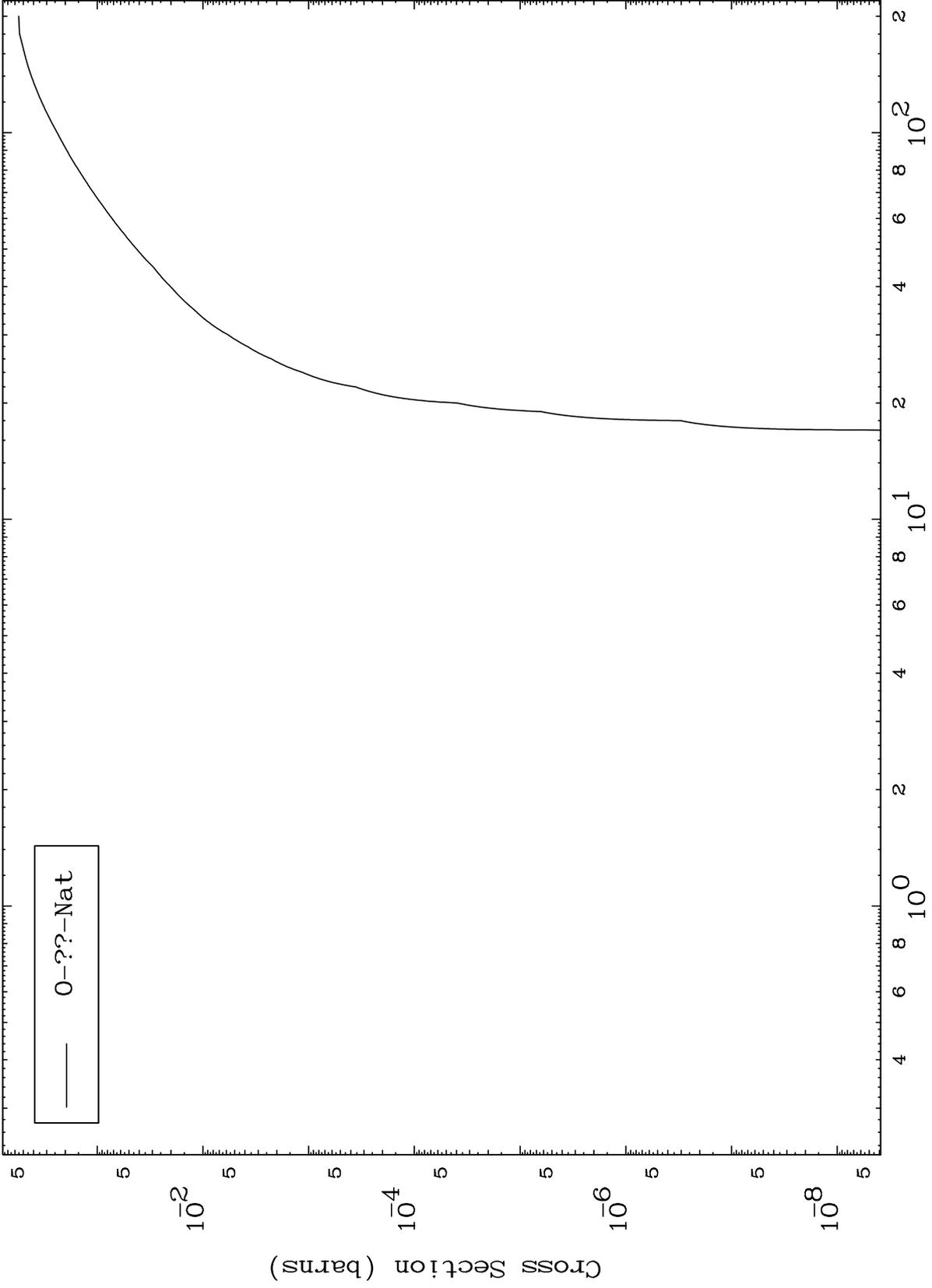
83-Bi-215m

MAT 8344

Fission

⁸³Bi-215m

Radionuclide Production Cross Section

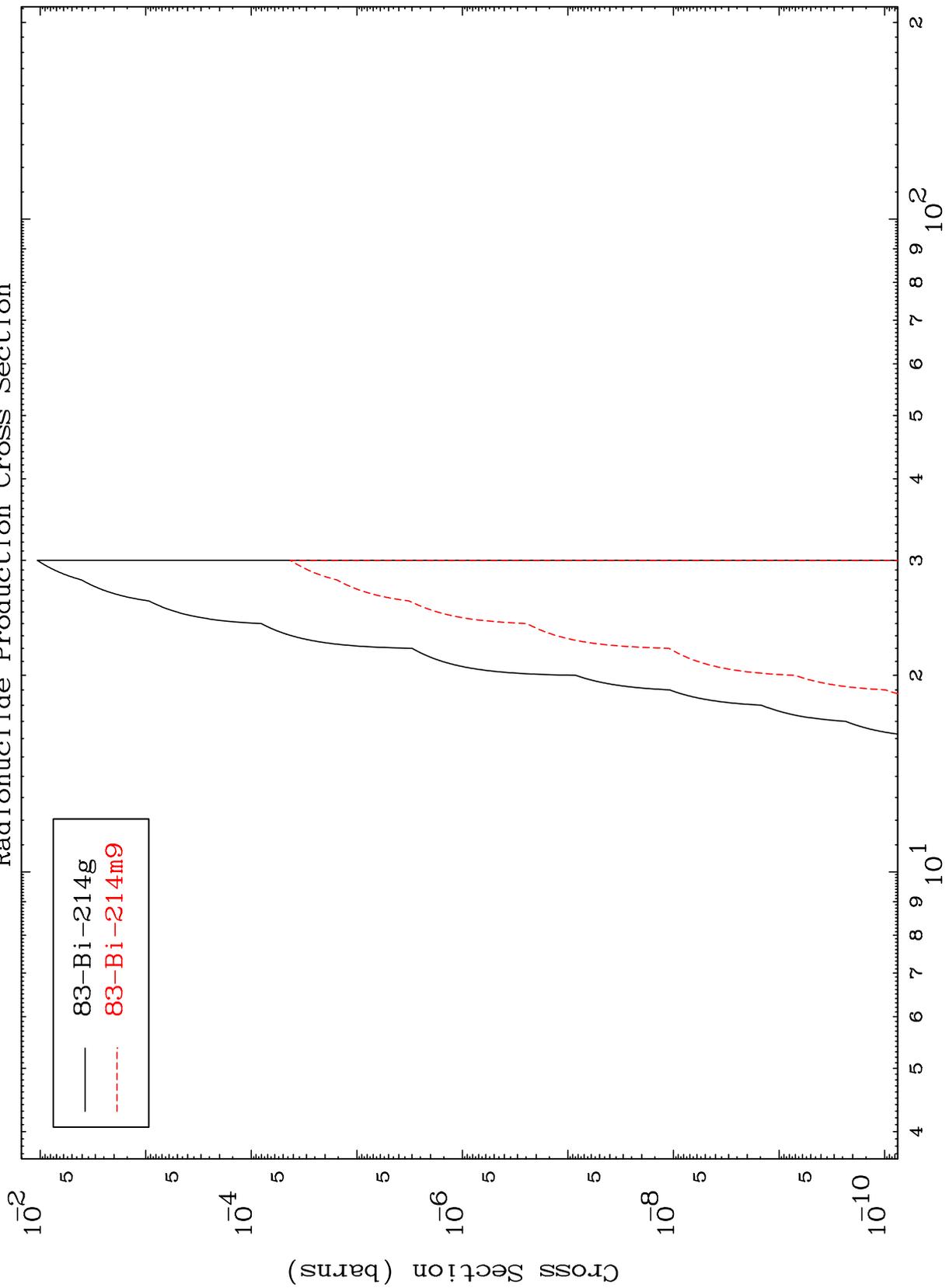


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$(n, n') \alpha$

$^{83}\text{Bi}-215\text{m}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

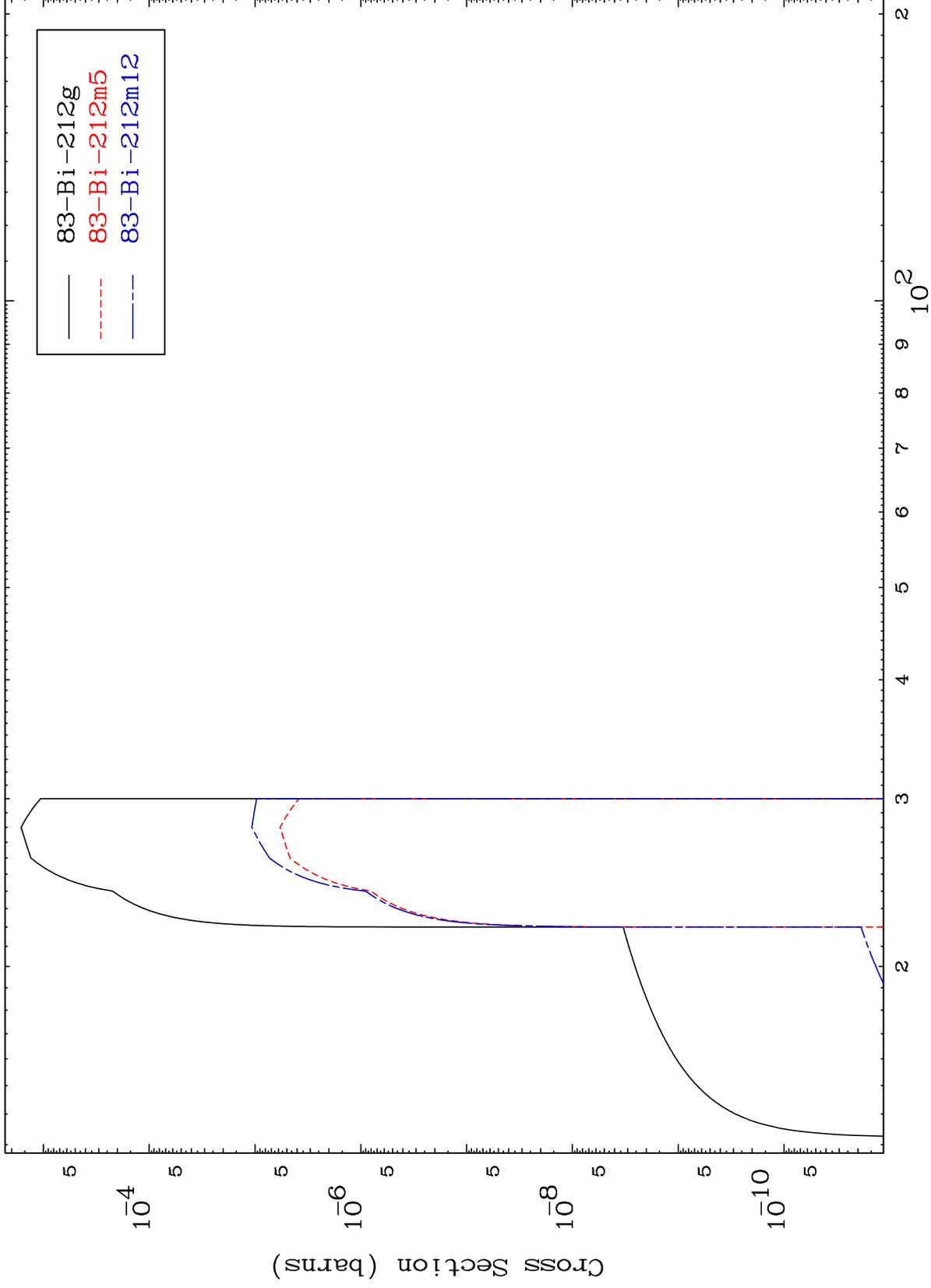
$^{83}\text{Bi}-215\text{m}$

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(n,3n) α

83-Bi-215m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

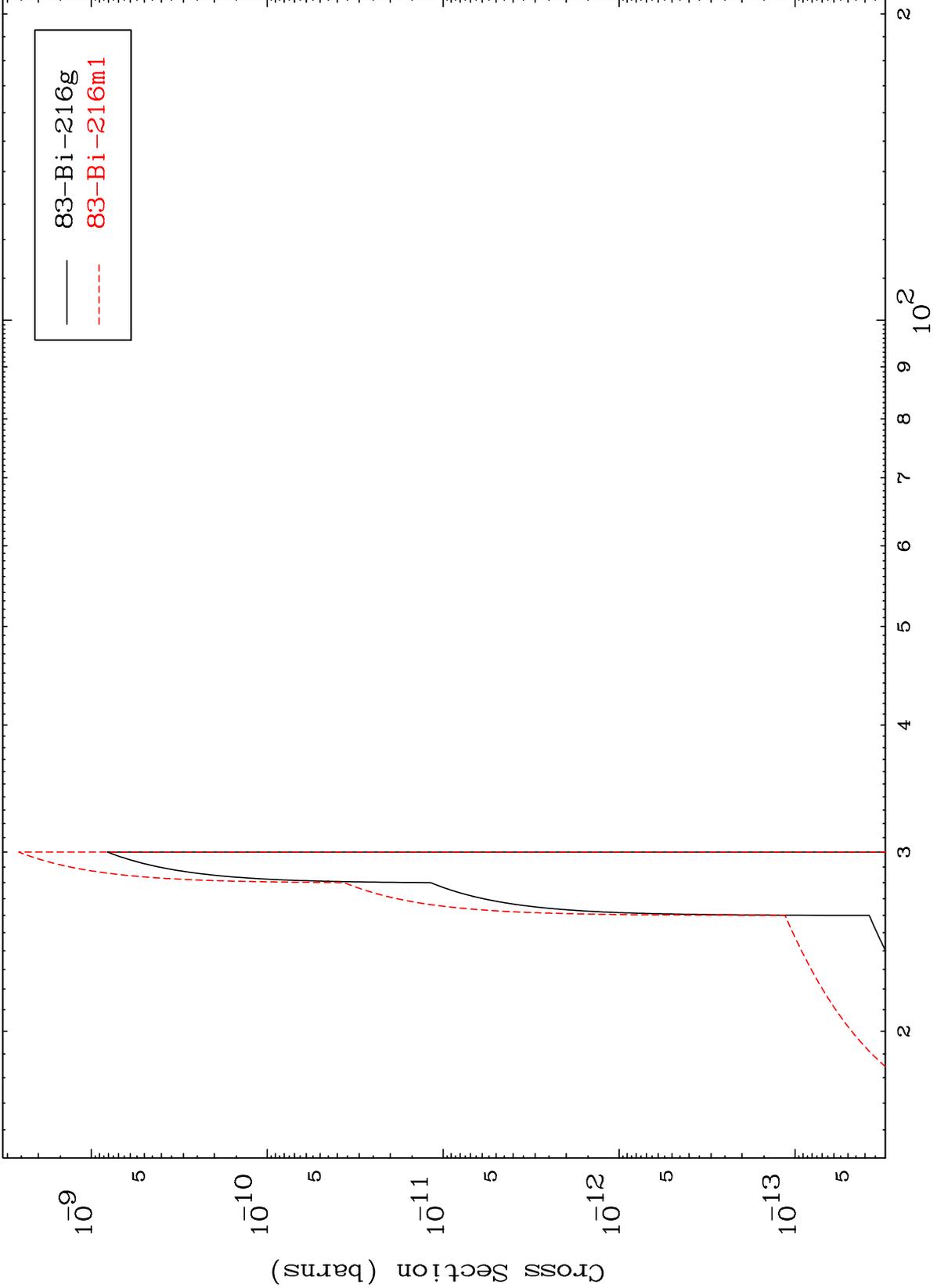
83-Bi-215m

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(n,He-3)

83-Bi-215m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

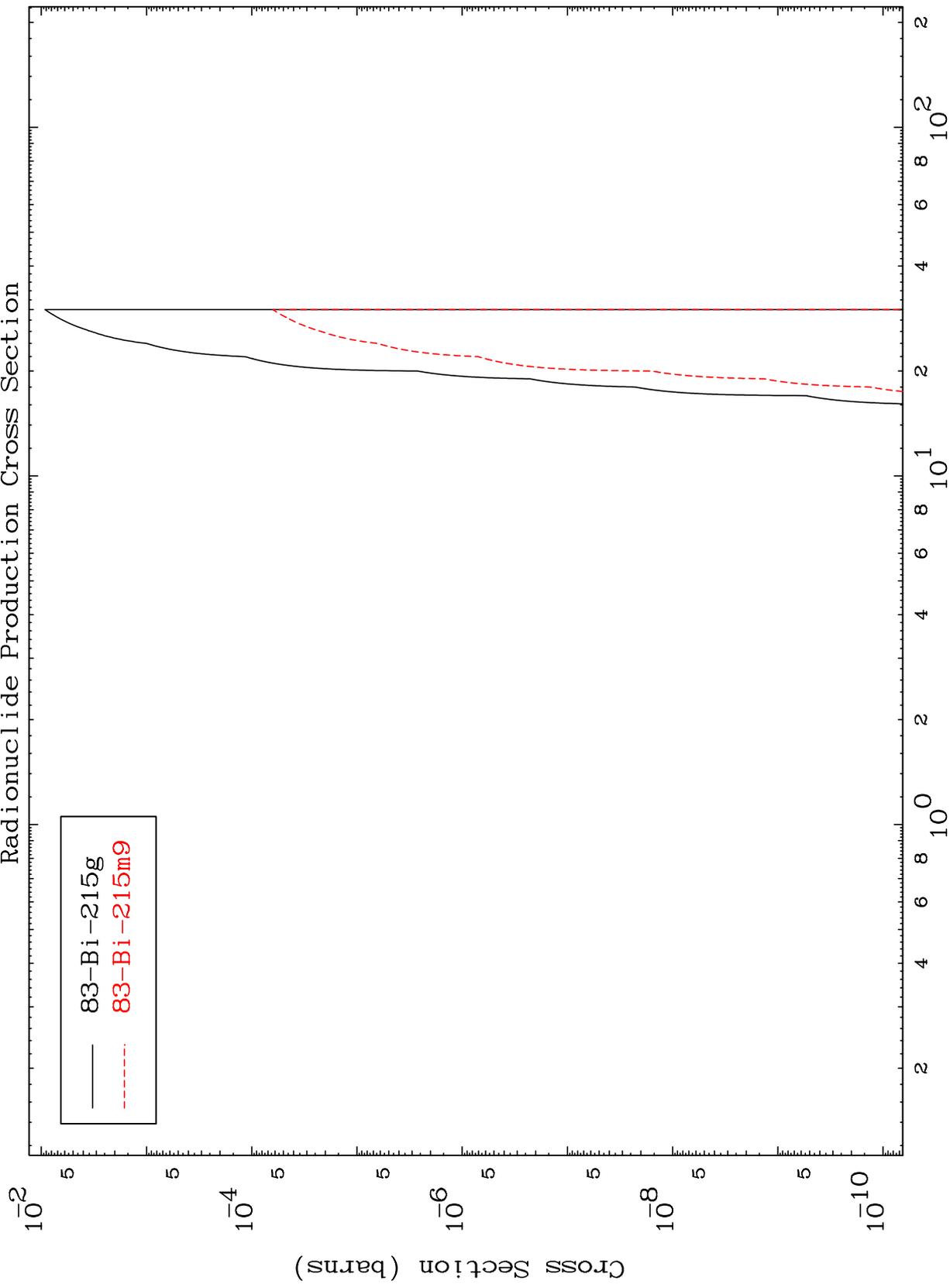
83-Bi-215m

MAT 8344

(n, α)

⁸³Bi-215m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

⁸³Bi-215m