

Program EVALPLOT
(Version 2021-1)

by

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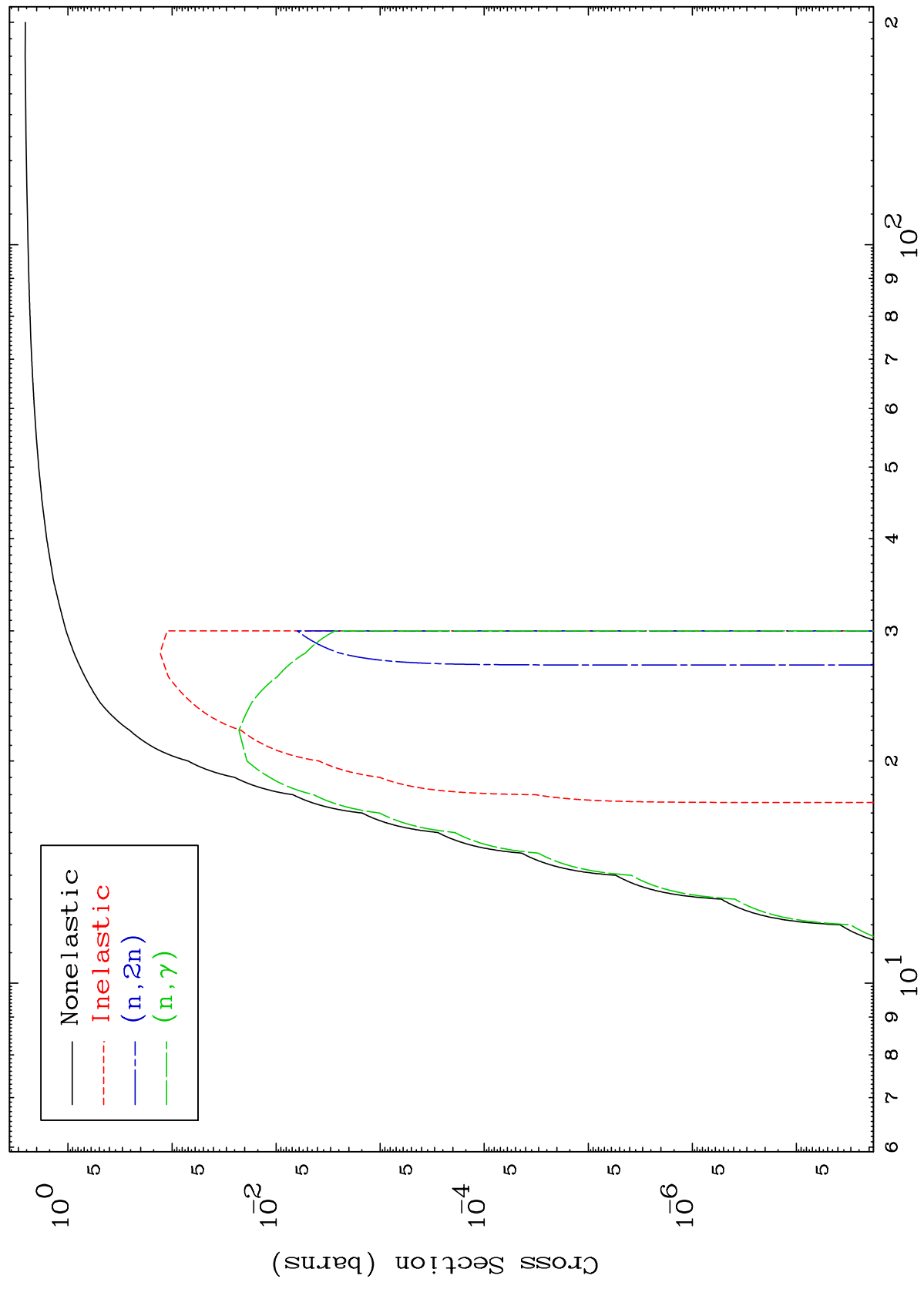
Press Mouse Button to Start

MAT 7672

0 Kelvin

α Major Cross Sections

77-Ir-173m

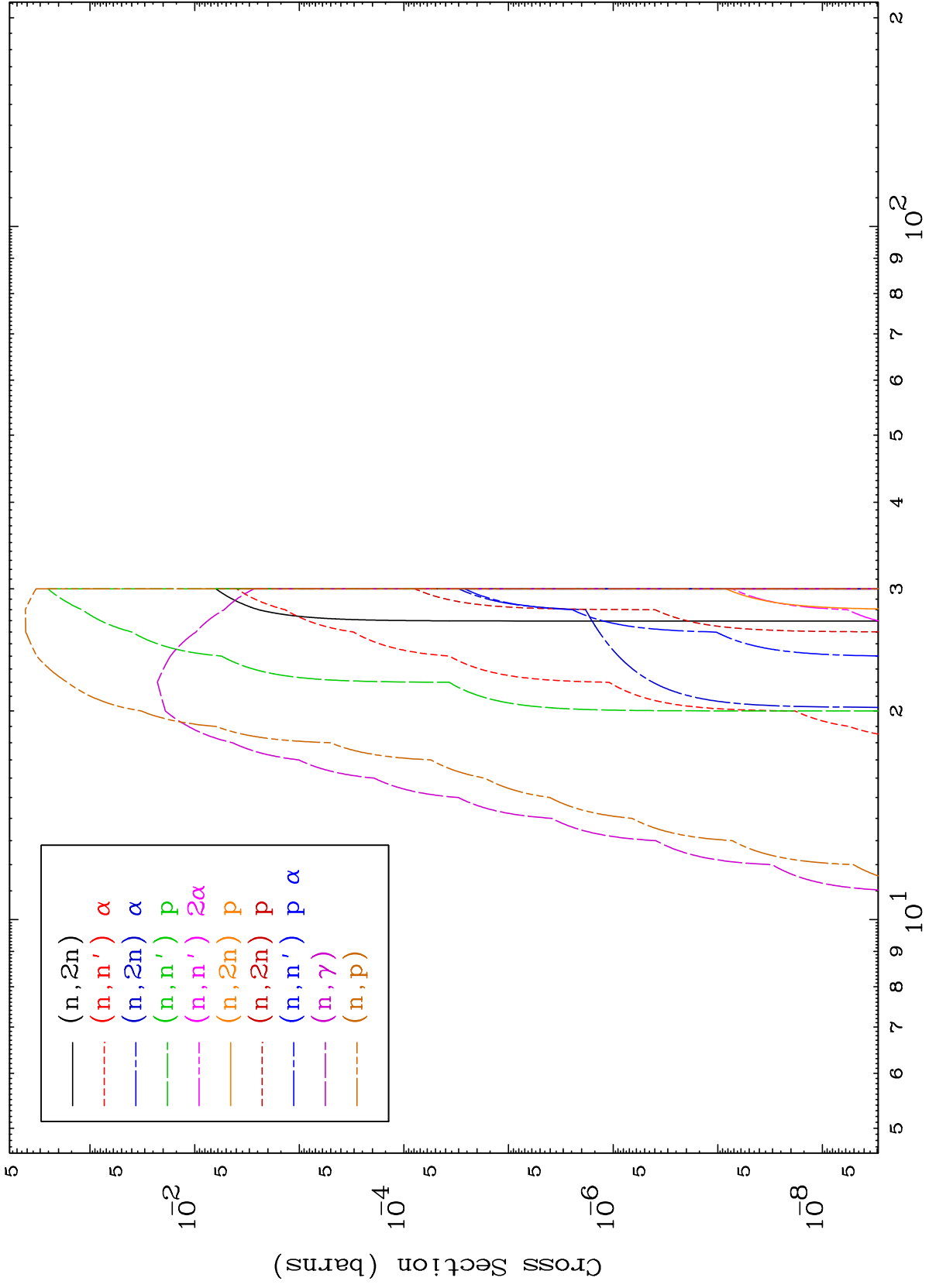


Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

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α Neutron Absorption
0 Kelvin Cross Sections

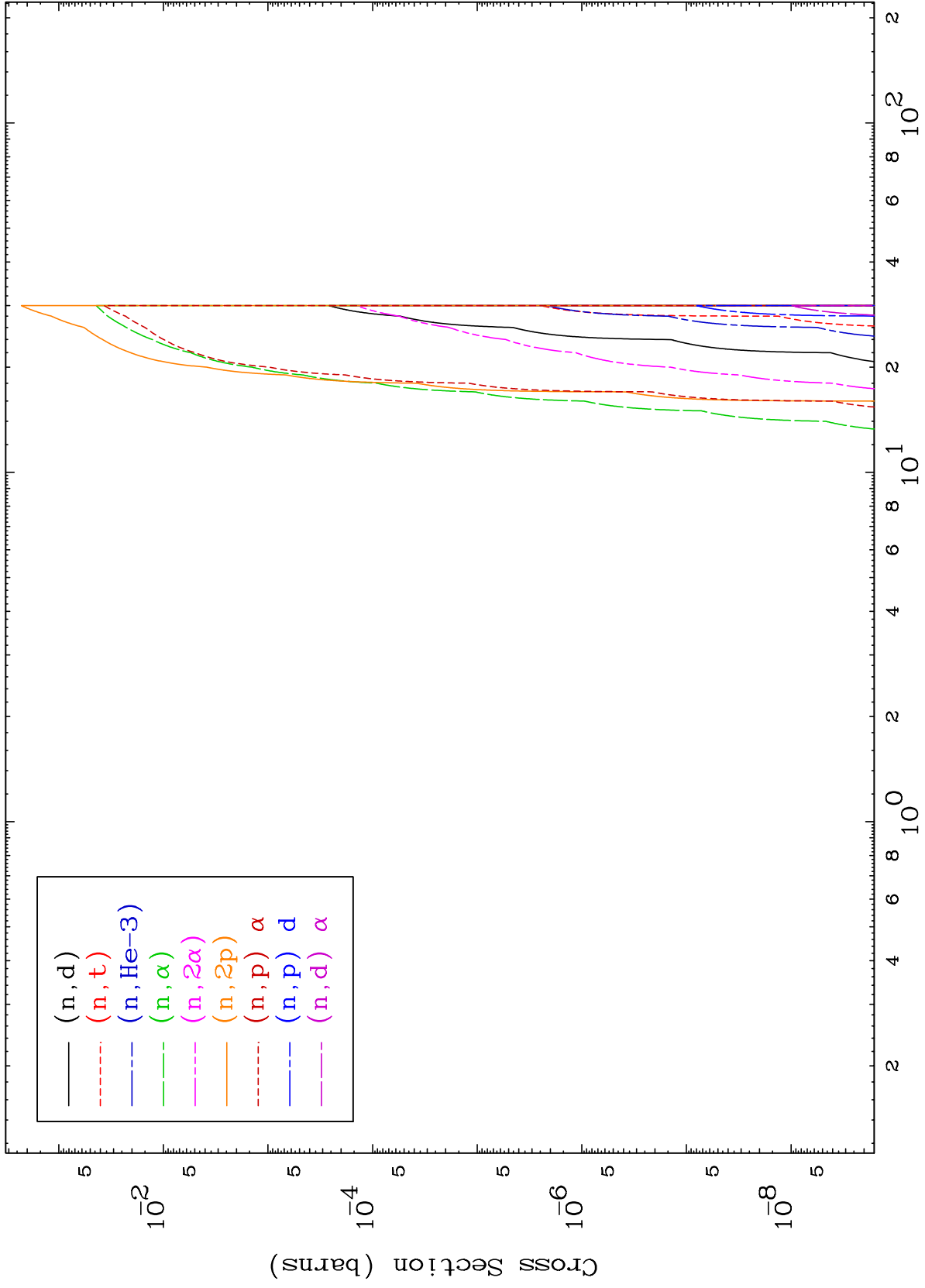
$^{77}\text{Ir-173m}$



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α Neutron Absorption
0 Kelvin Cross Sections

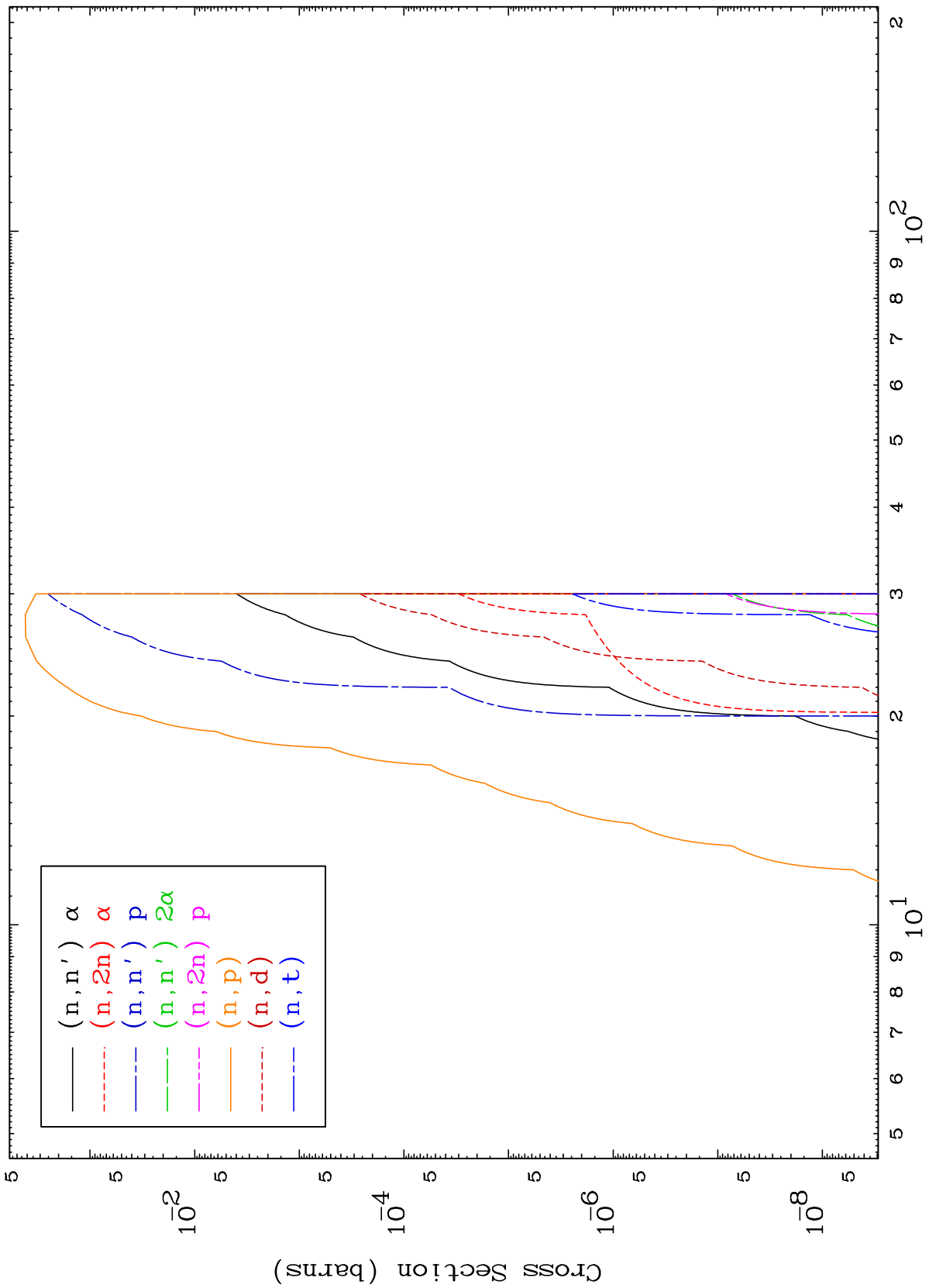
⁷⁷Ir-173m



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α Charged Particle
0 Kelvin Cross Sections

77-Ir-173m

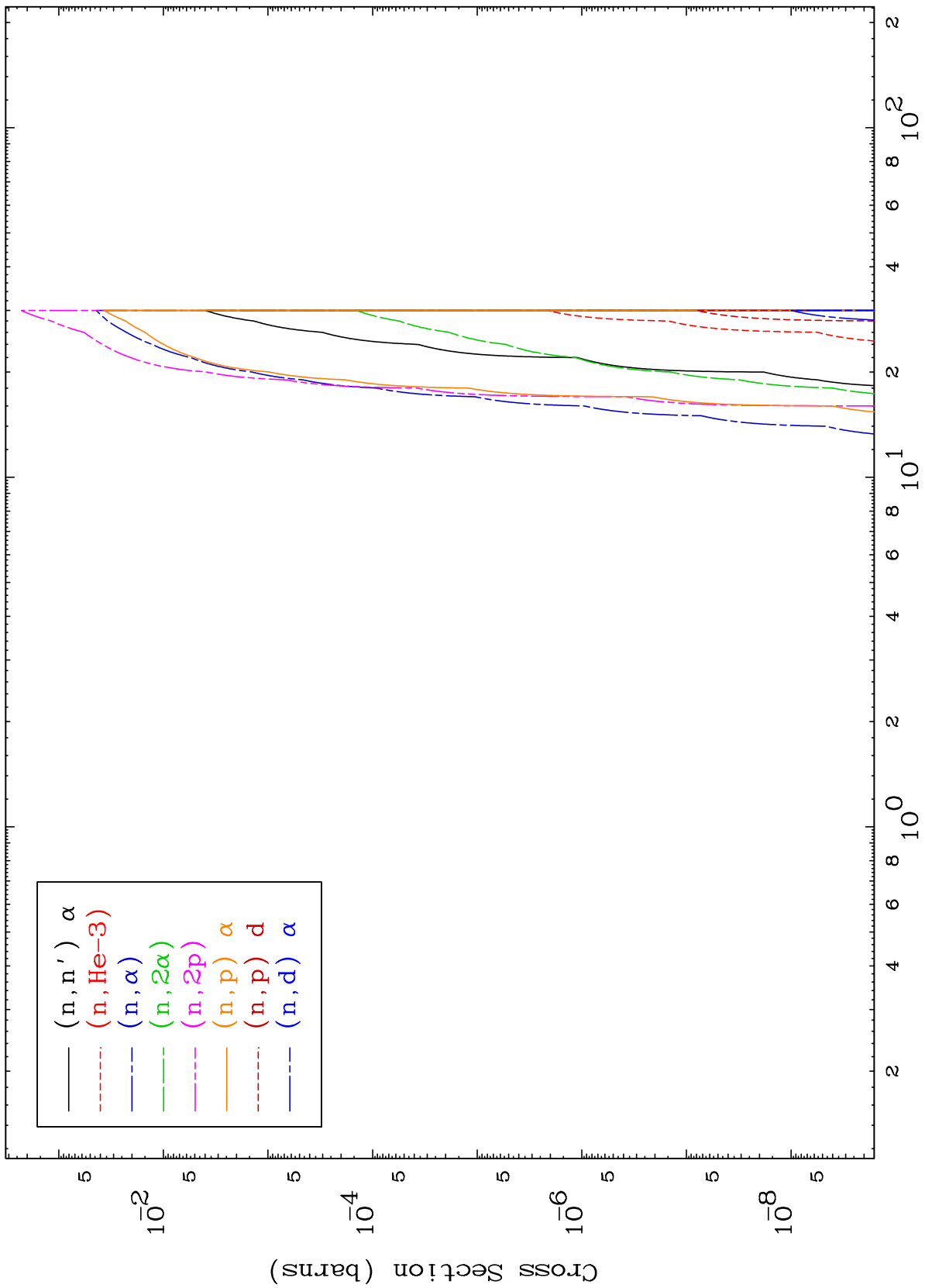


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α Charged Particle

77-Ir-173m

0 Kelvin Cross Sections



77-Ir-173m

Incident Energy (MeV)

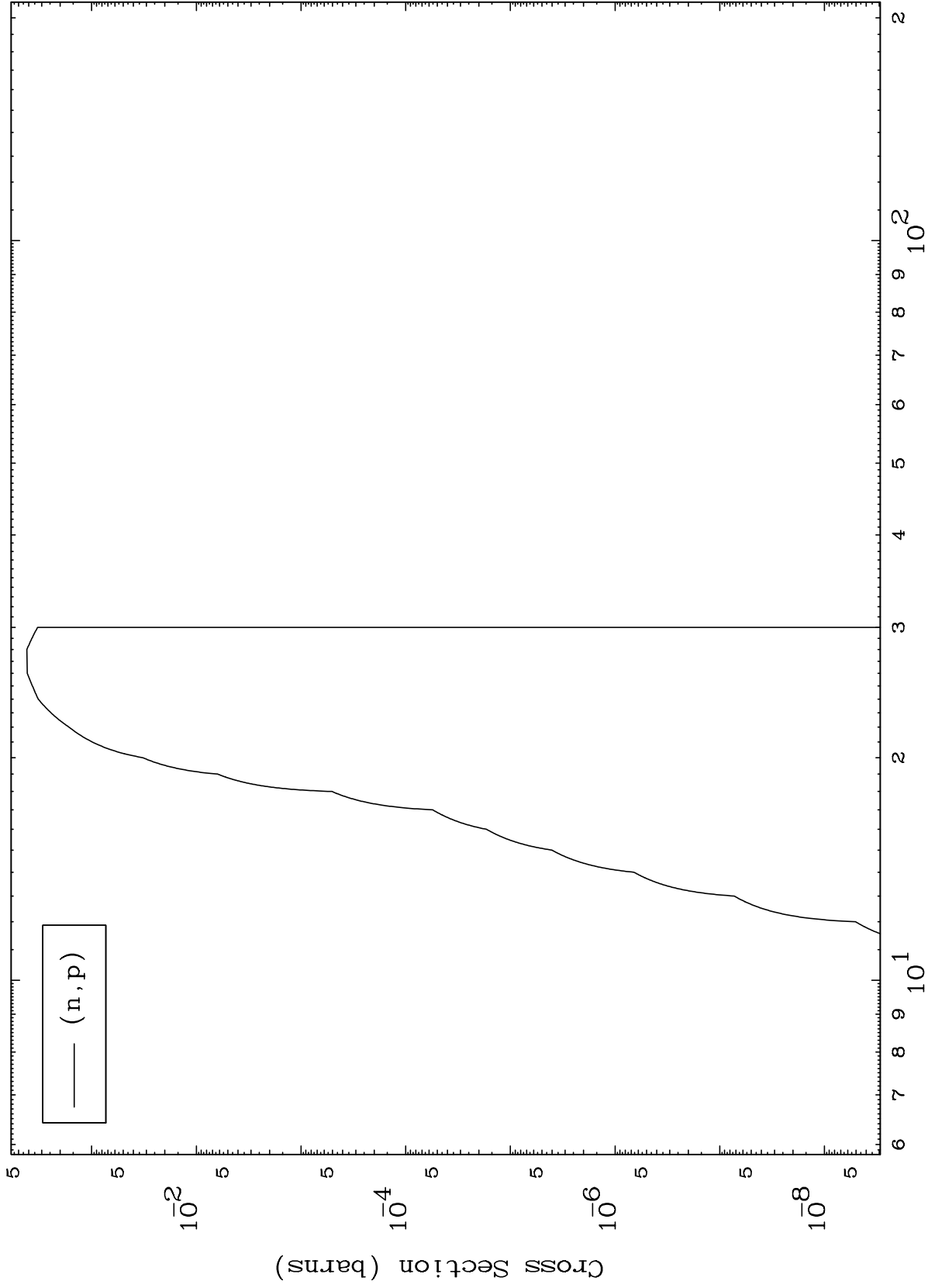
5

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(α, p) Levels

⁷⁷Ir-173m

0 Kelvin Cross Sections



Incident Energy (MeV)

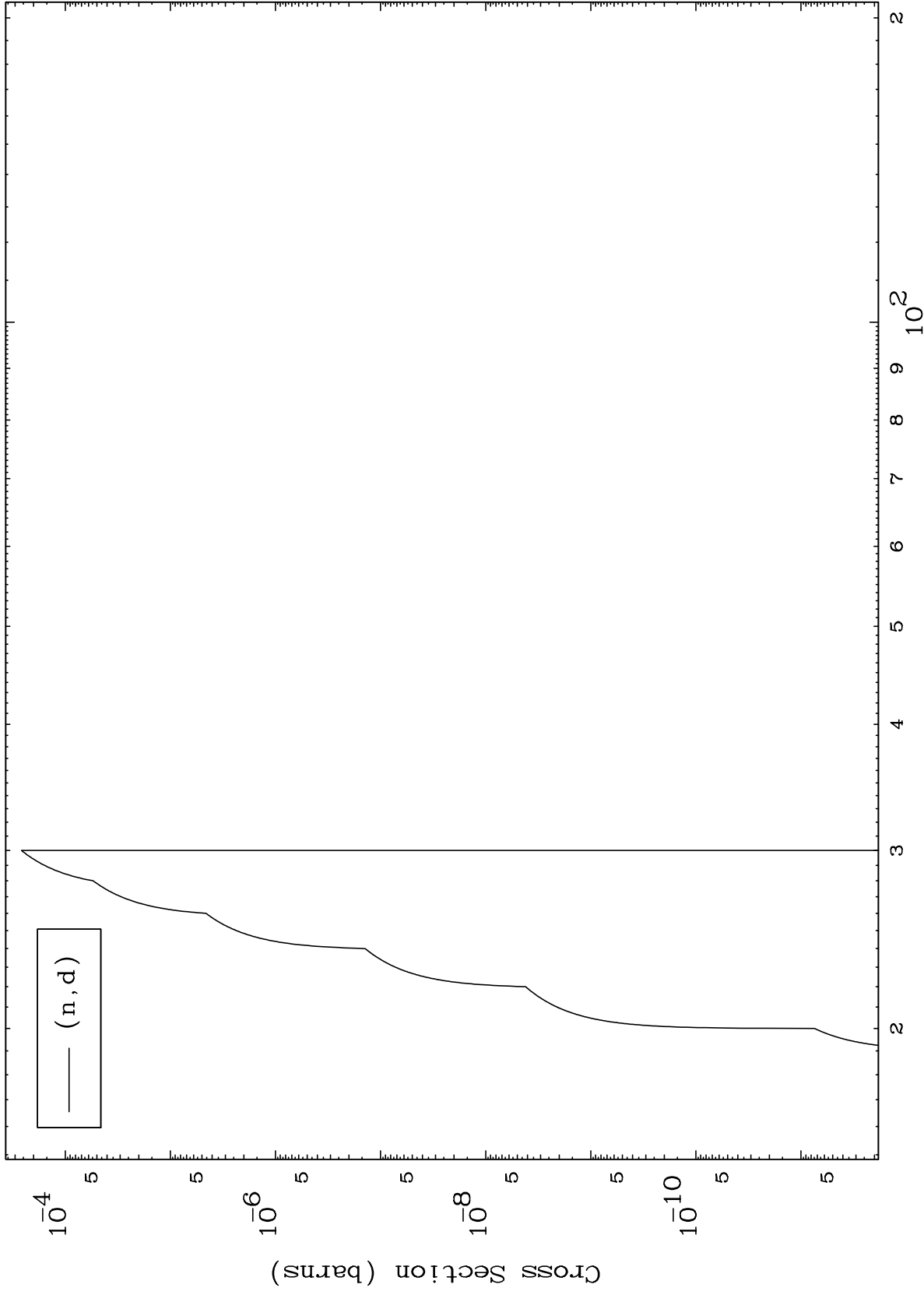
⁷⁷Ir-173m

6

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(α, d) Levels
0 Kelvin Cross Sections

77-Ir-173m



7

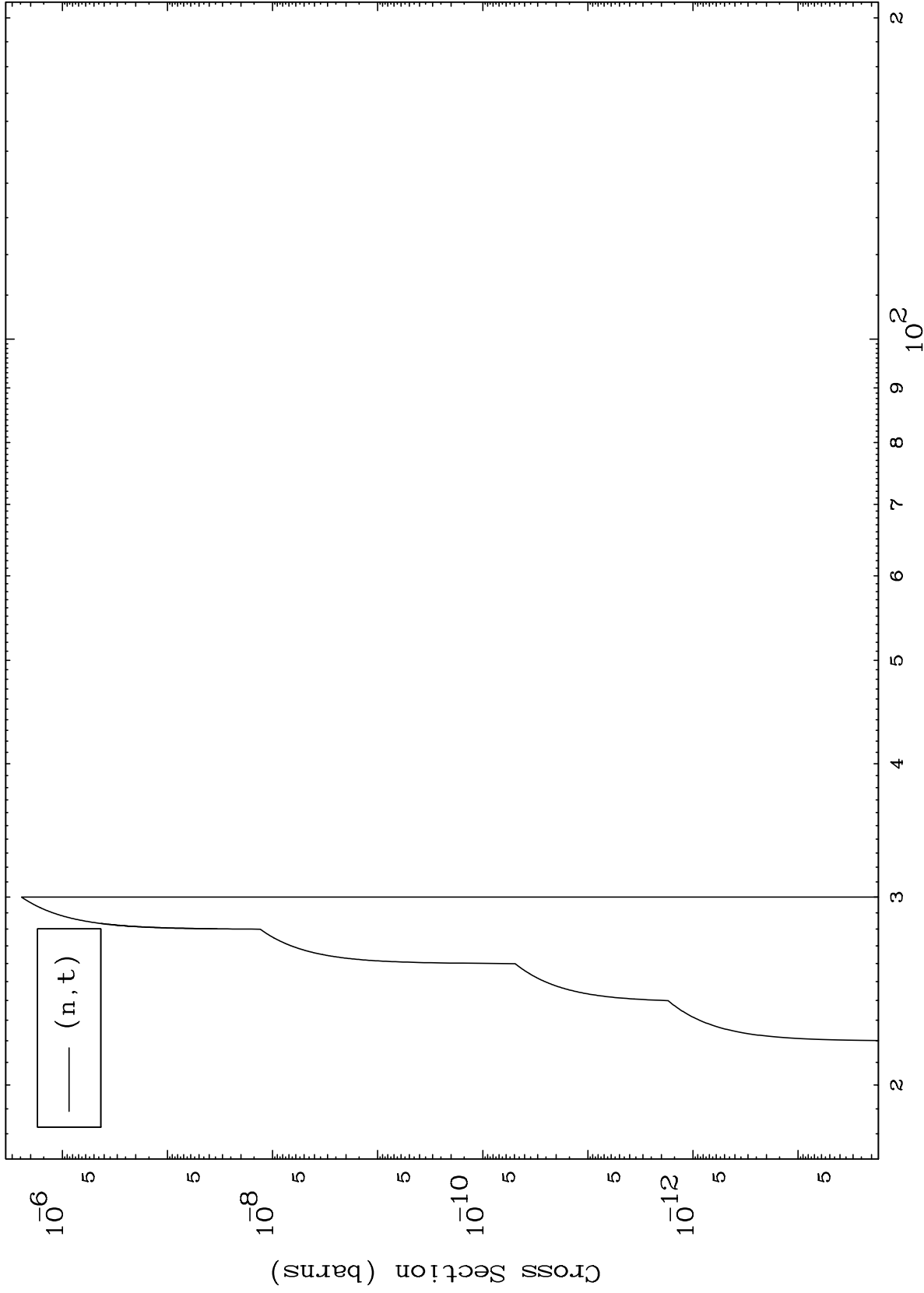
Incident Energy (MeV)

77-Ir-173m

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(α, t) Levels
0 Kelvin Cross Sections

77-Ir-173m



8

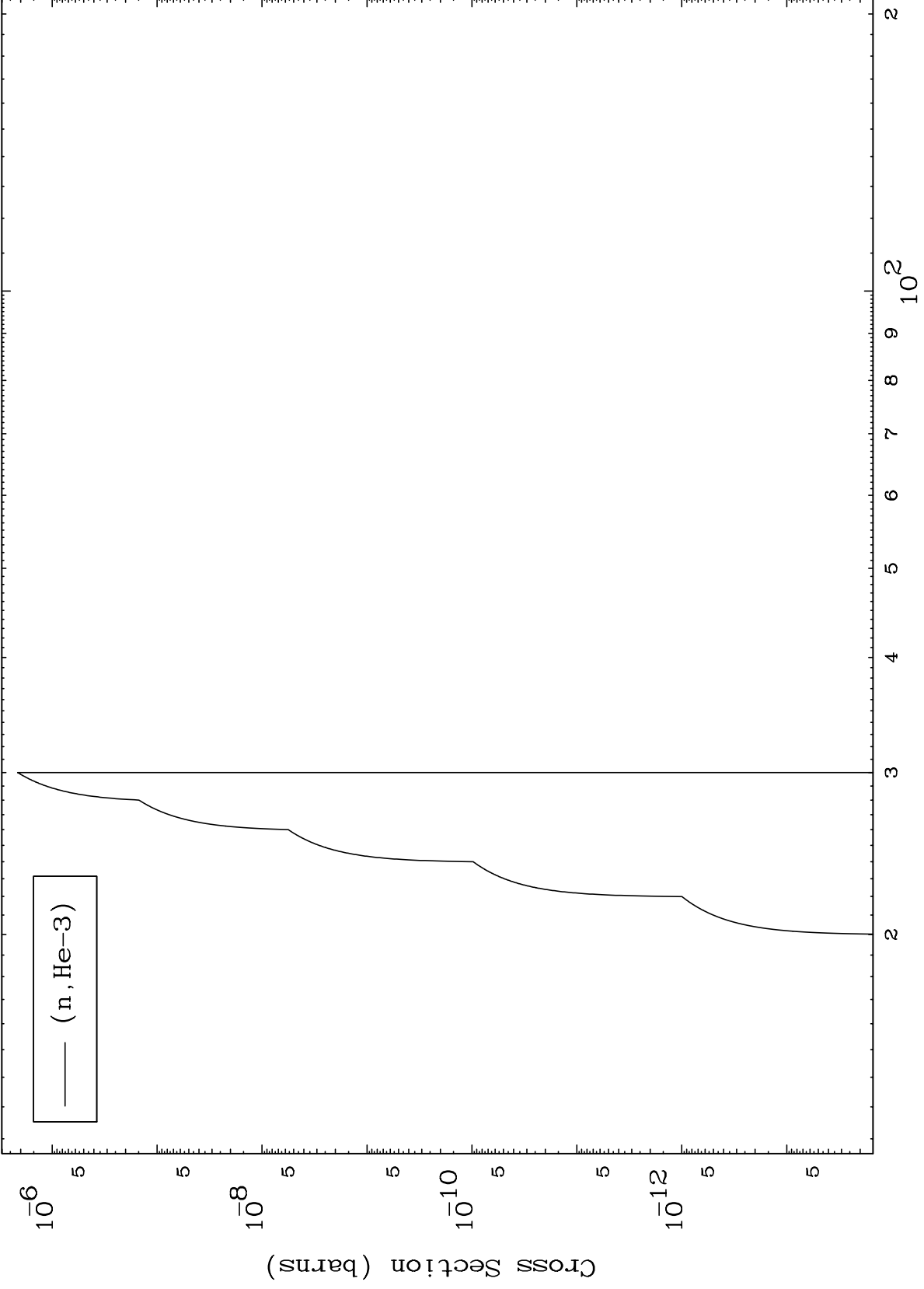
Incident Energy (MeV)

77-Ir-173m

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

77-Ir-173m

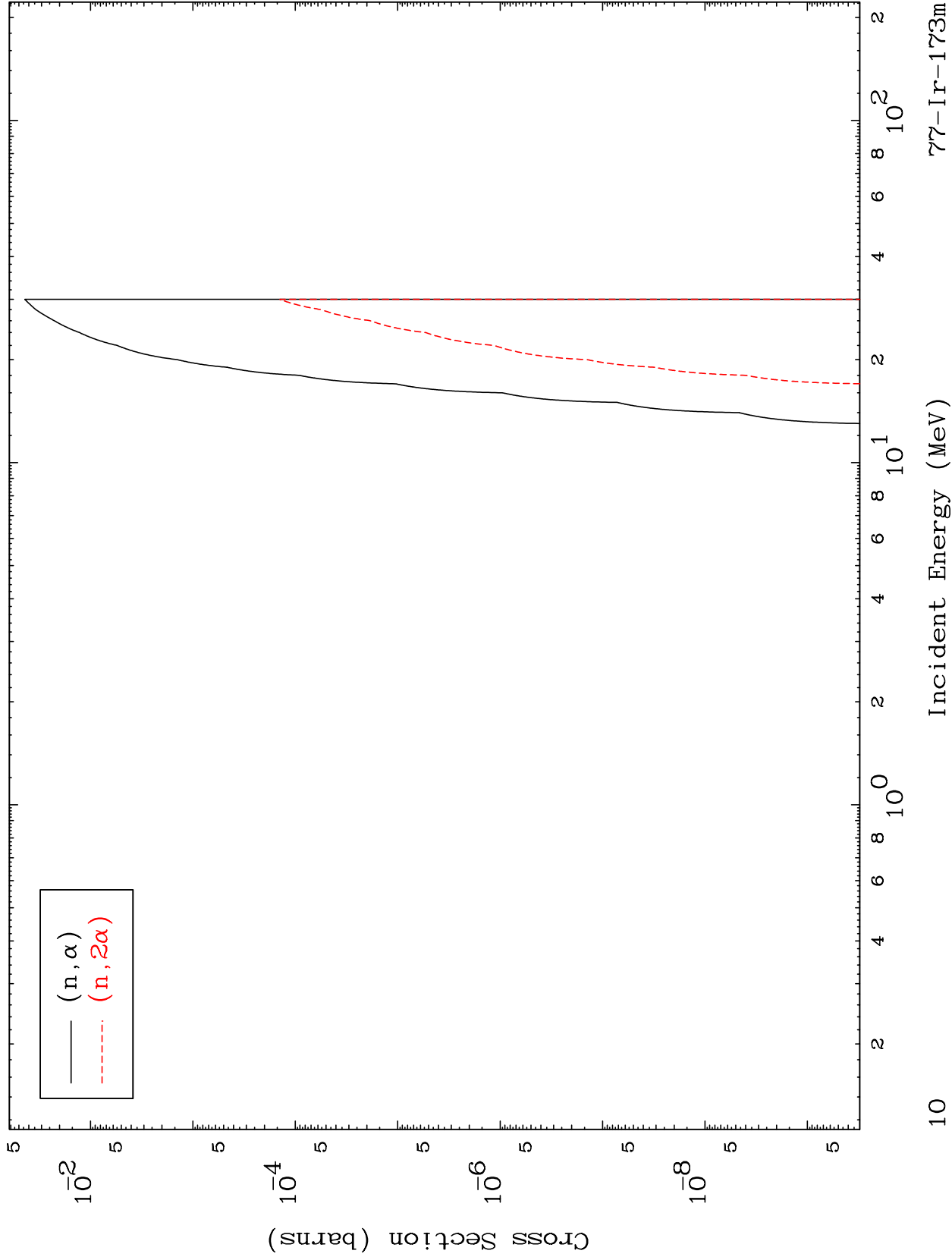


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(α, α) Levels

$^{77}\text{Ir}-173\text{m}$

0 Kelvin Cross Sections



10

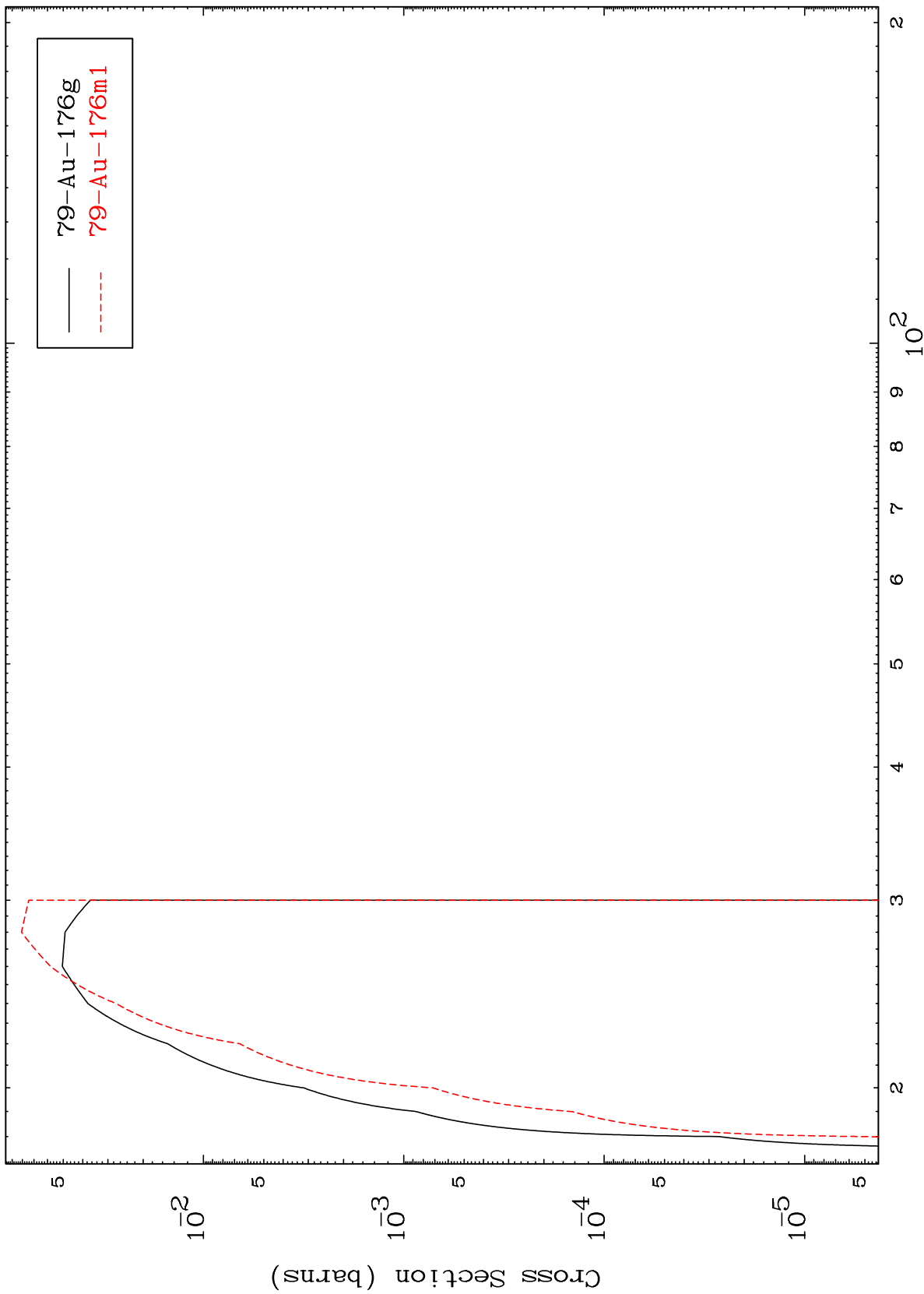
Incident Energy (MeV)

$^{77}\text{Ir}-173\text{m}$

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77-Ir-173m

Inelastic
Radionuclide Production Cross Section



77-Ir-173m

Incident Energy (MeV)

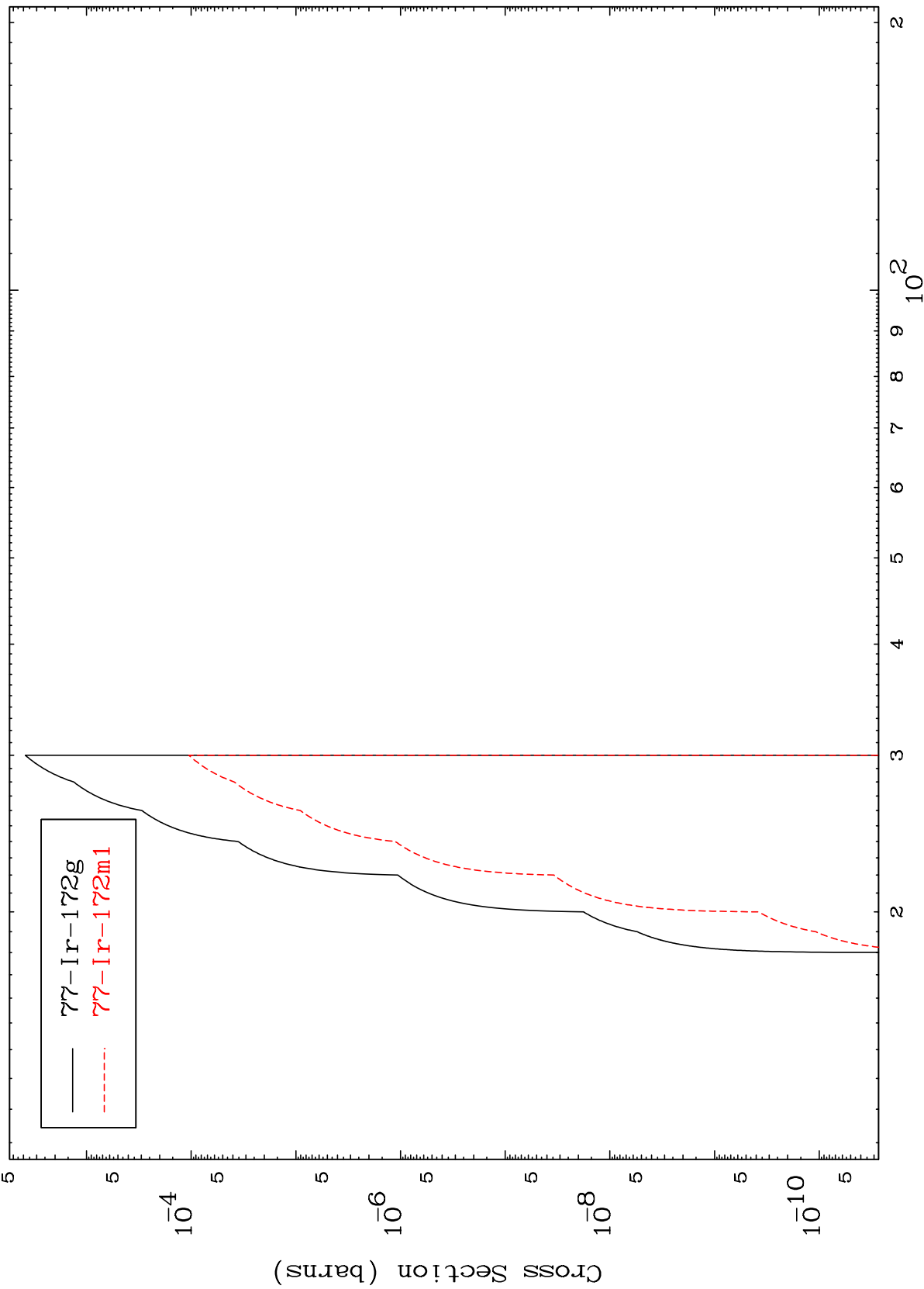
11

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$(n, n') \alpha$

$^{77}\text{Ir}-^{173}\text{m}$

Radionuclide Production Cross Section

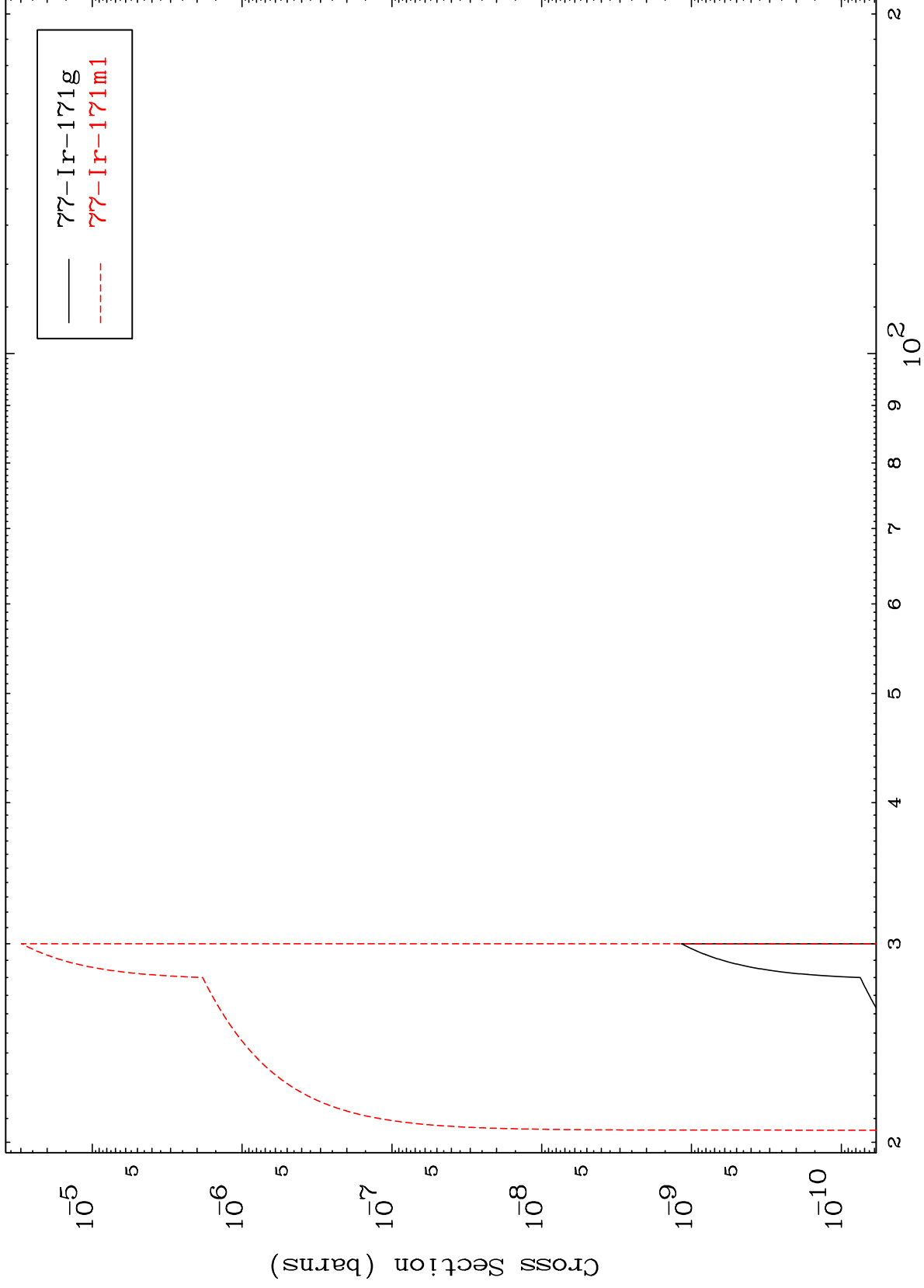


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(n,2n) α

⁷⁷Ir-173m

Radionuclide Production Cross Section



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Incident Energy (MeV)

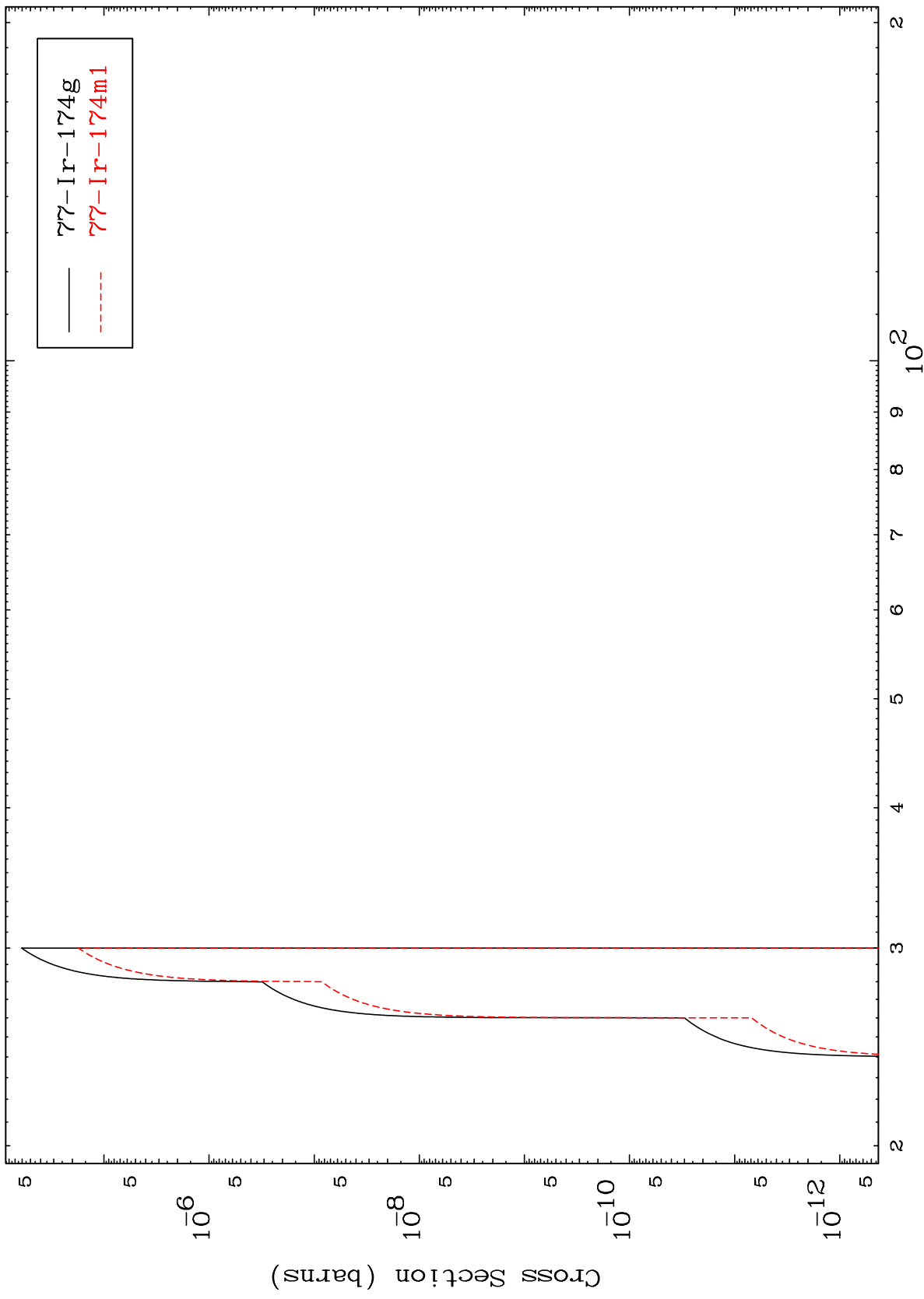
⁷⁷Ir-173m

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(n,2n) p

⁷⁷Ir-173m

Radionuclide Production Cross Section



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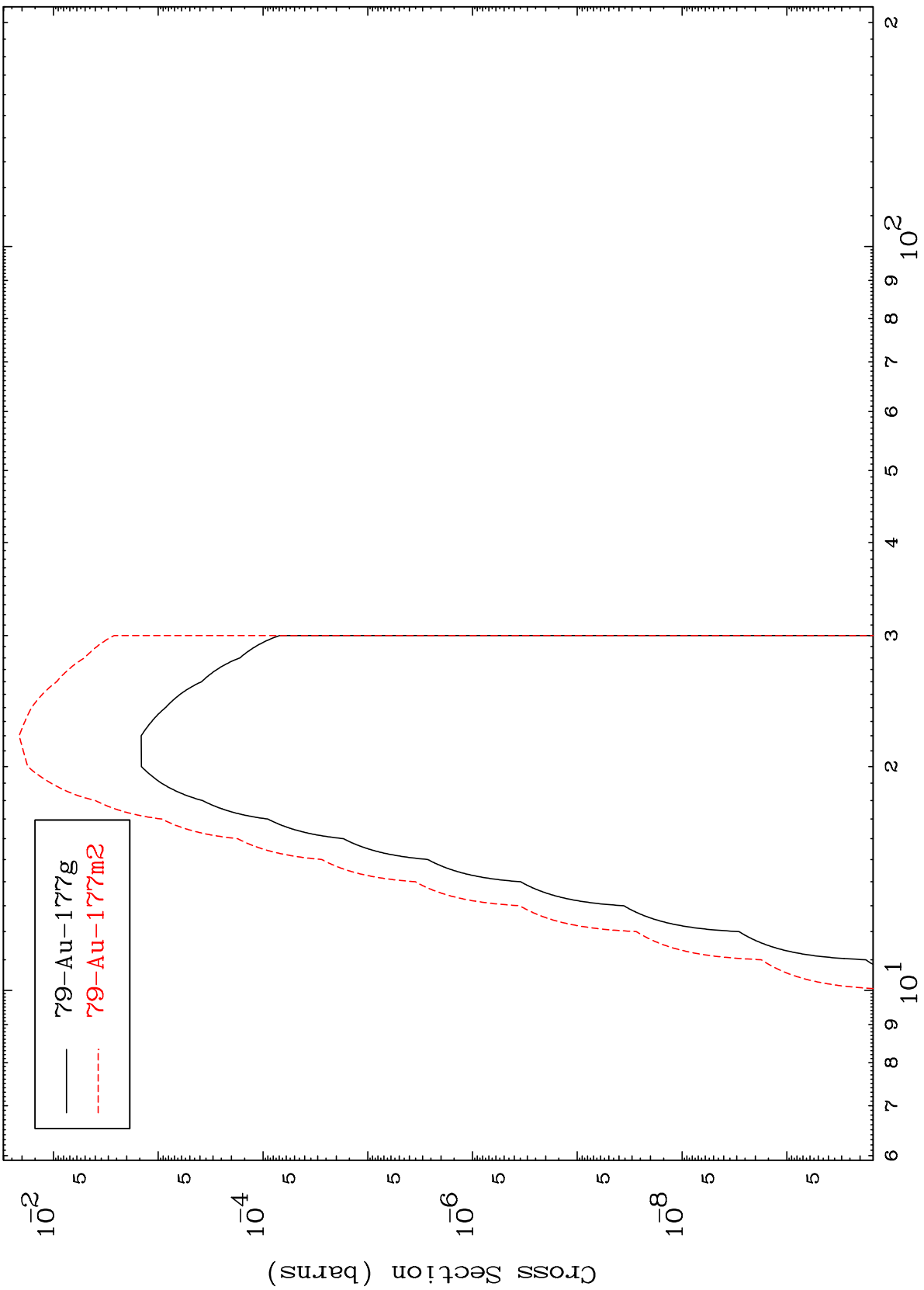
Incident Energy (MeV)

⁷⁷Ir-173m

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⁷⁷Ir-173m

Radionuclide Production Cross Section (n,γ)



79-Au-177g
79-Au-177m2

⁷⁷Ir-173m

Incident Energy (MeV)

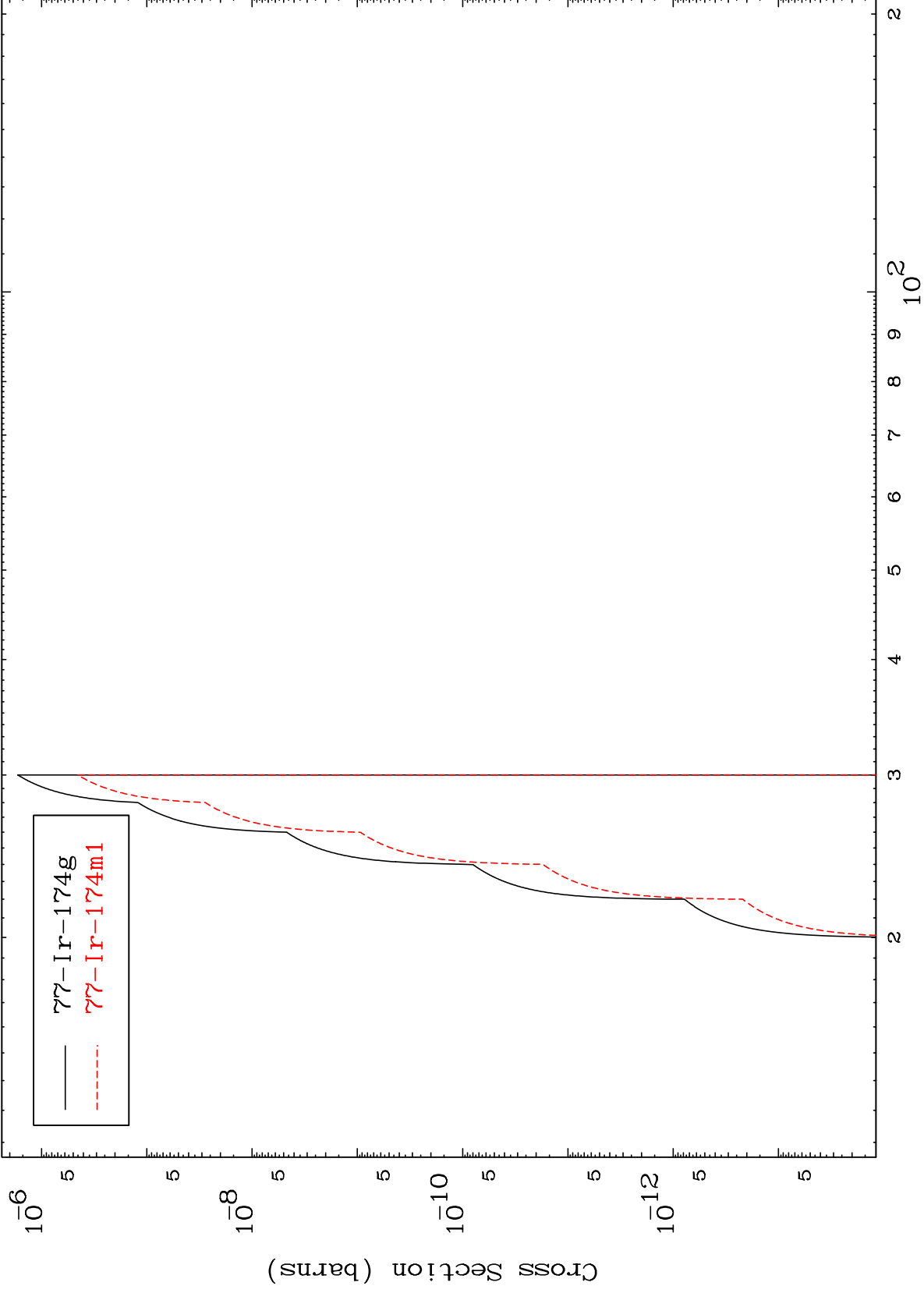
15

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(n,He-3)

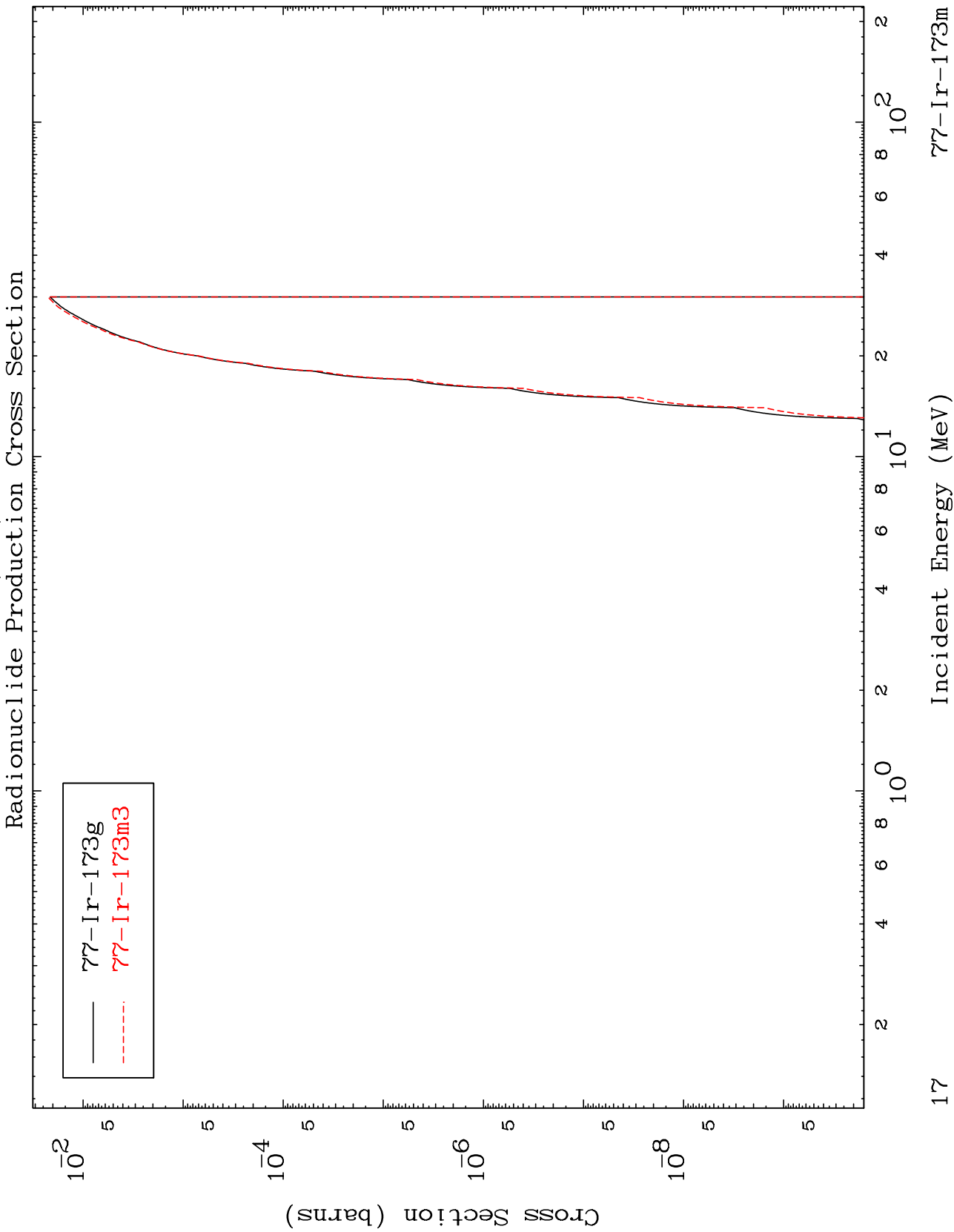
⁷⁷Ir-173m

Radionuclide Production Cross Section



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⁷⁷Ir-173m

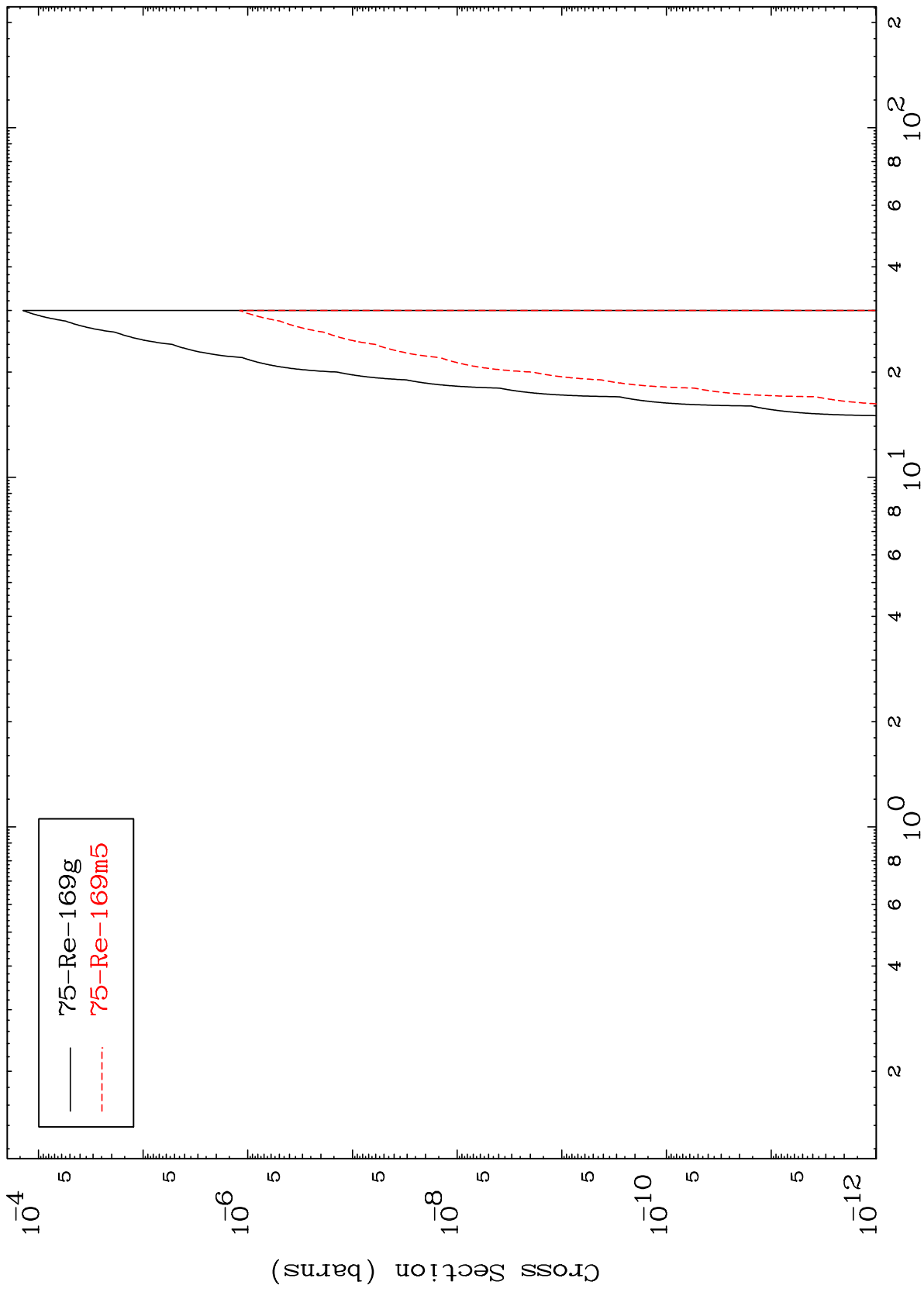


— ⁷⁷Ir-173g
- - - ⁷⁷Ir-173m3

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⁷⁷Ir-173m

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷⁷Ir-173m

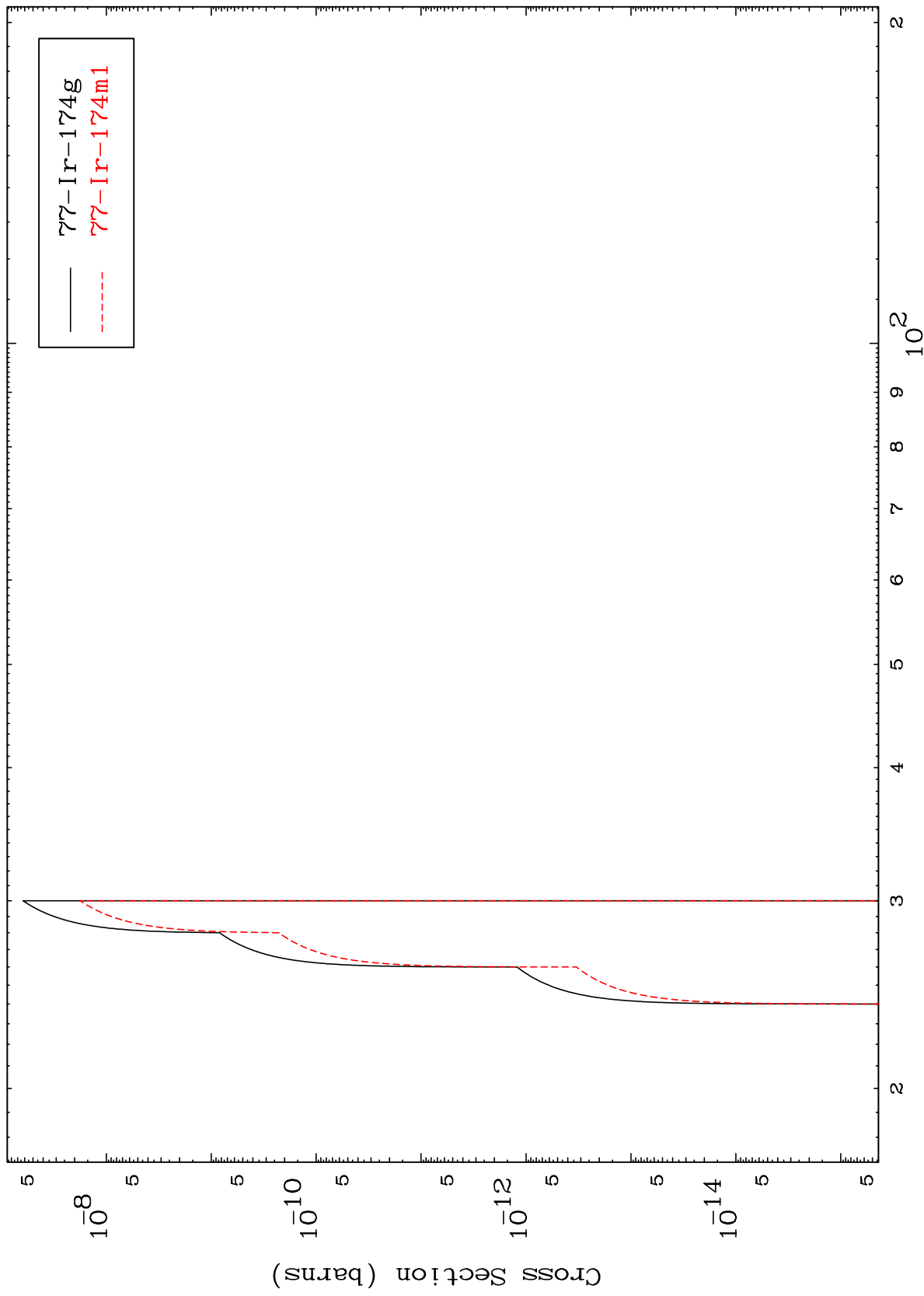
18

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(n,p) d

⁷⁷Ir-173m

Radionuclide Production Cross Section



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Incident Energy (MeV)

⁷⁷Ir-173m