

Program EVALPLOT
(Version 2021-1)

by

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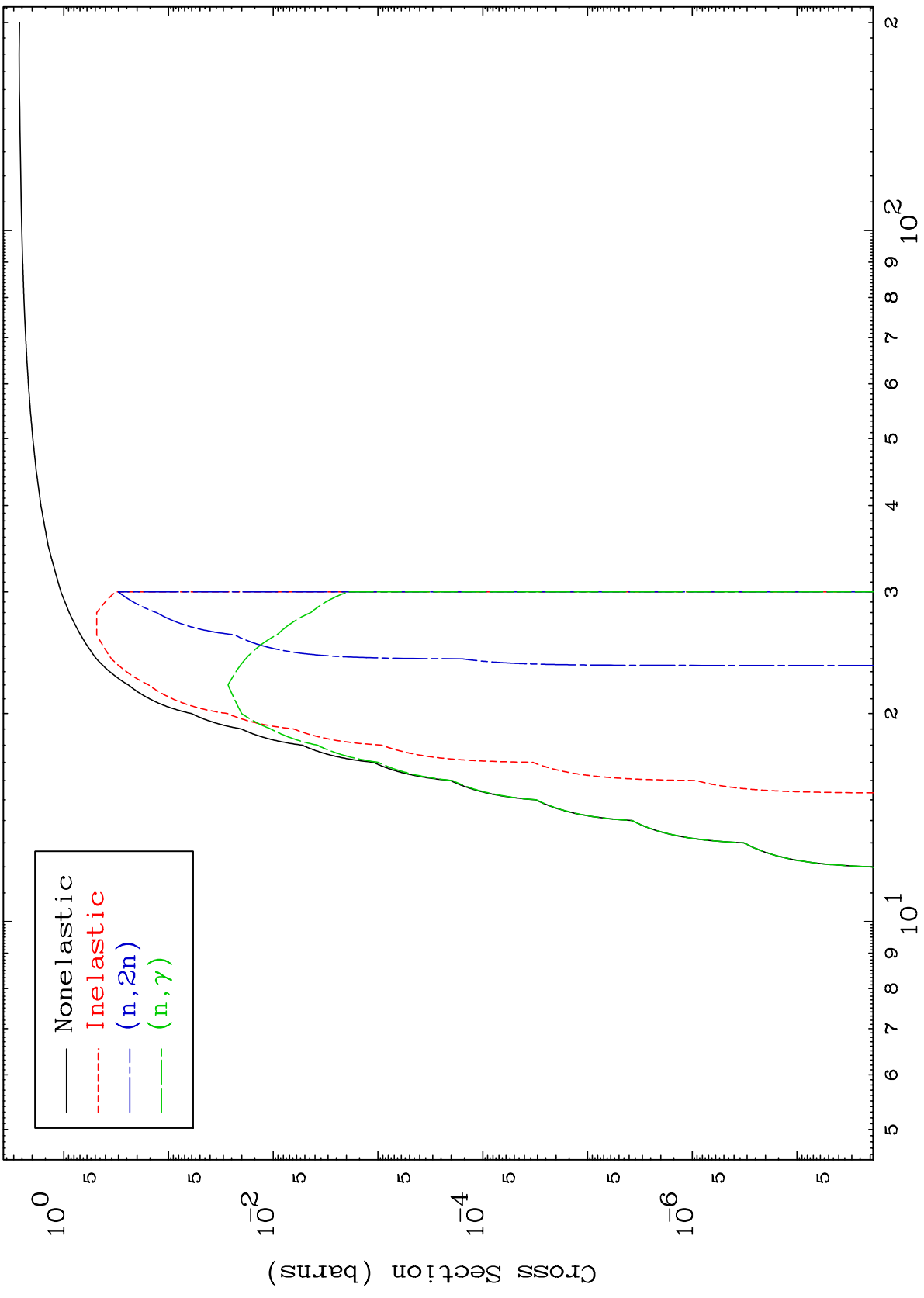
Press Mouse Button to Start

MAT 7890

α Major

79-Au-185m

0 Kelvin Cross Sections



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

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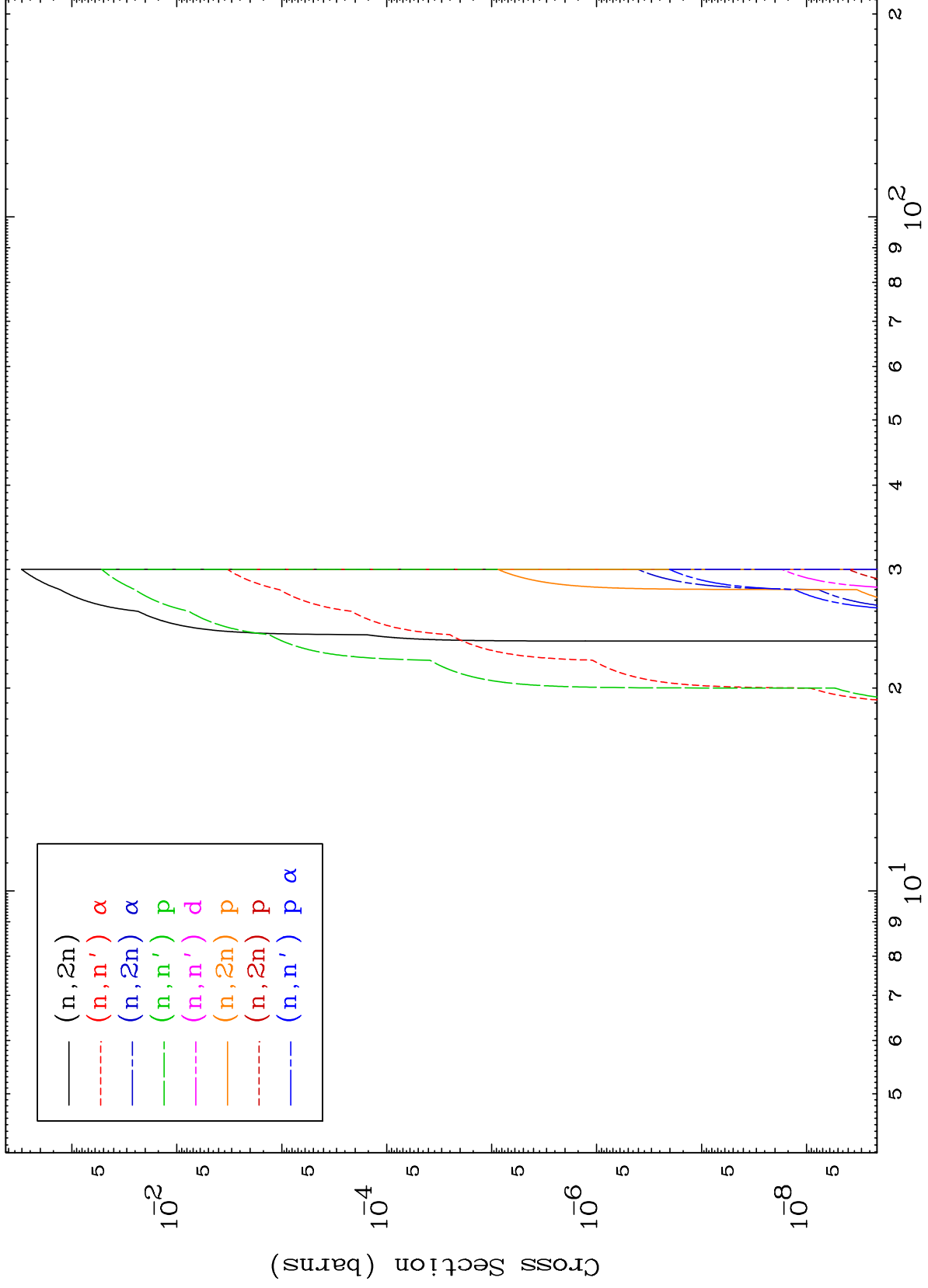
Incident Energy (MeV)

79-Au-185m

MAT 7890

α Neutron Absorption
0 Kelvin Cross Sections

⁷⁹Au-185m



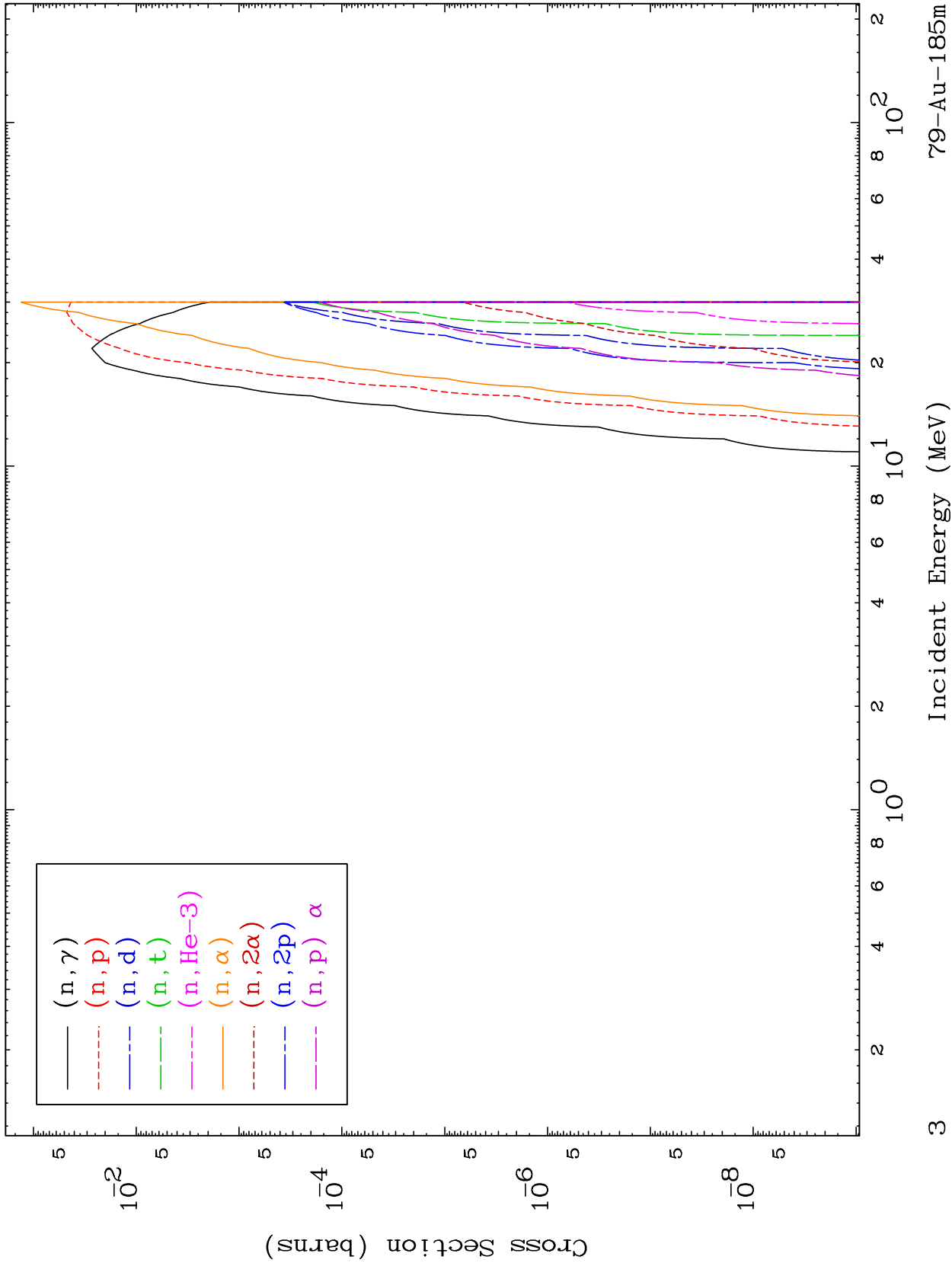
Incident Energy (MeV)

⁷⁹Au-185m

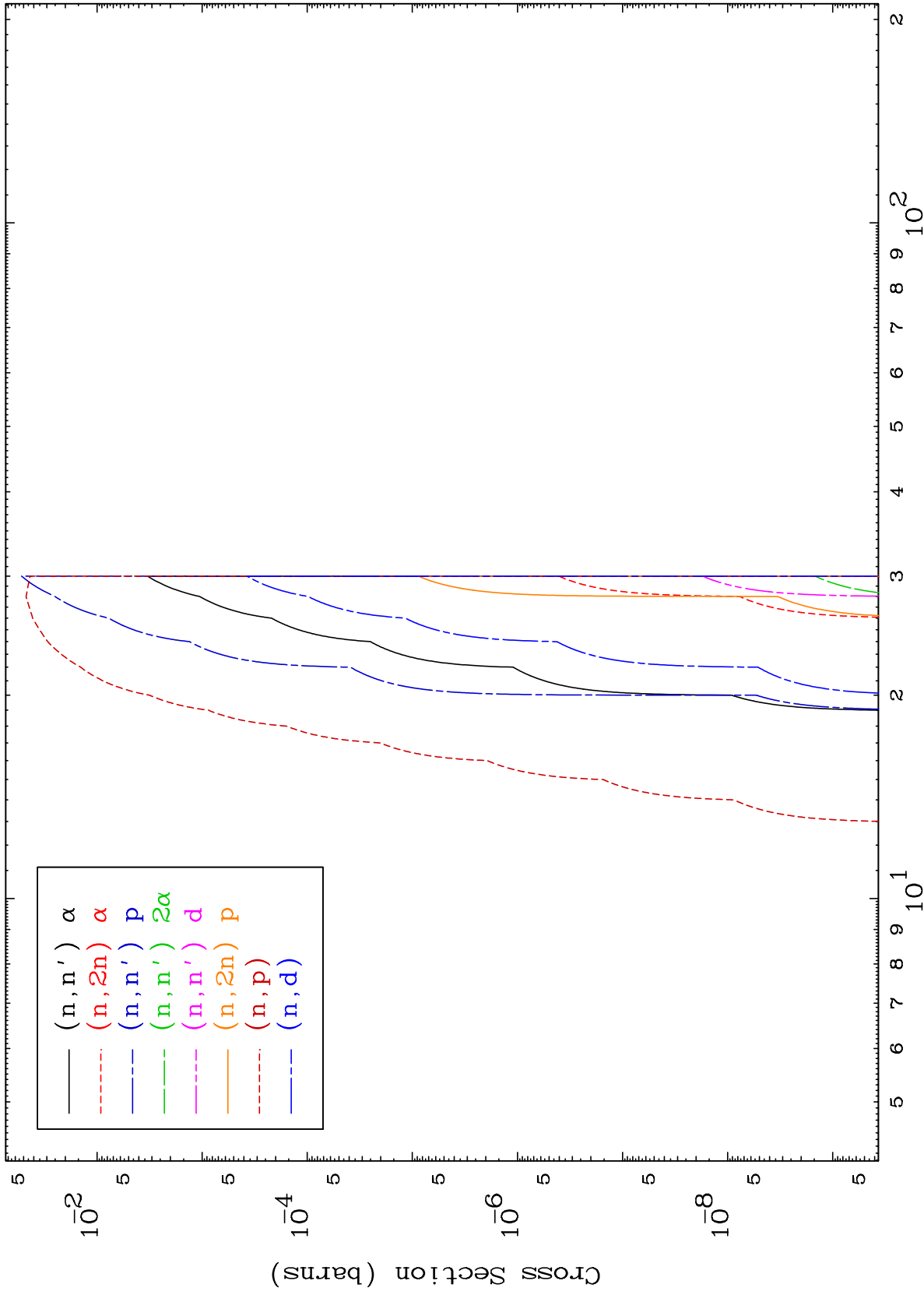
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α Neutron Absorption
0 Kelvin Cross Sections

⁷⁹Au-185m



0 Kelvin Cross Sections



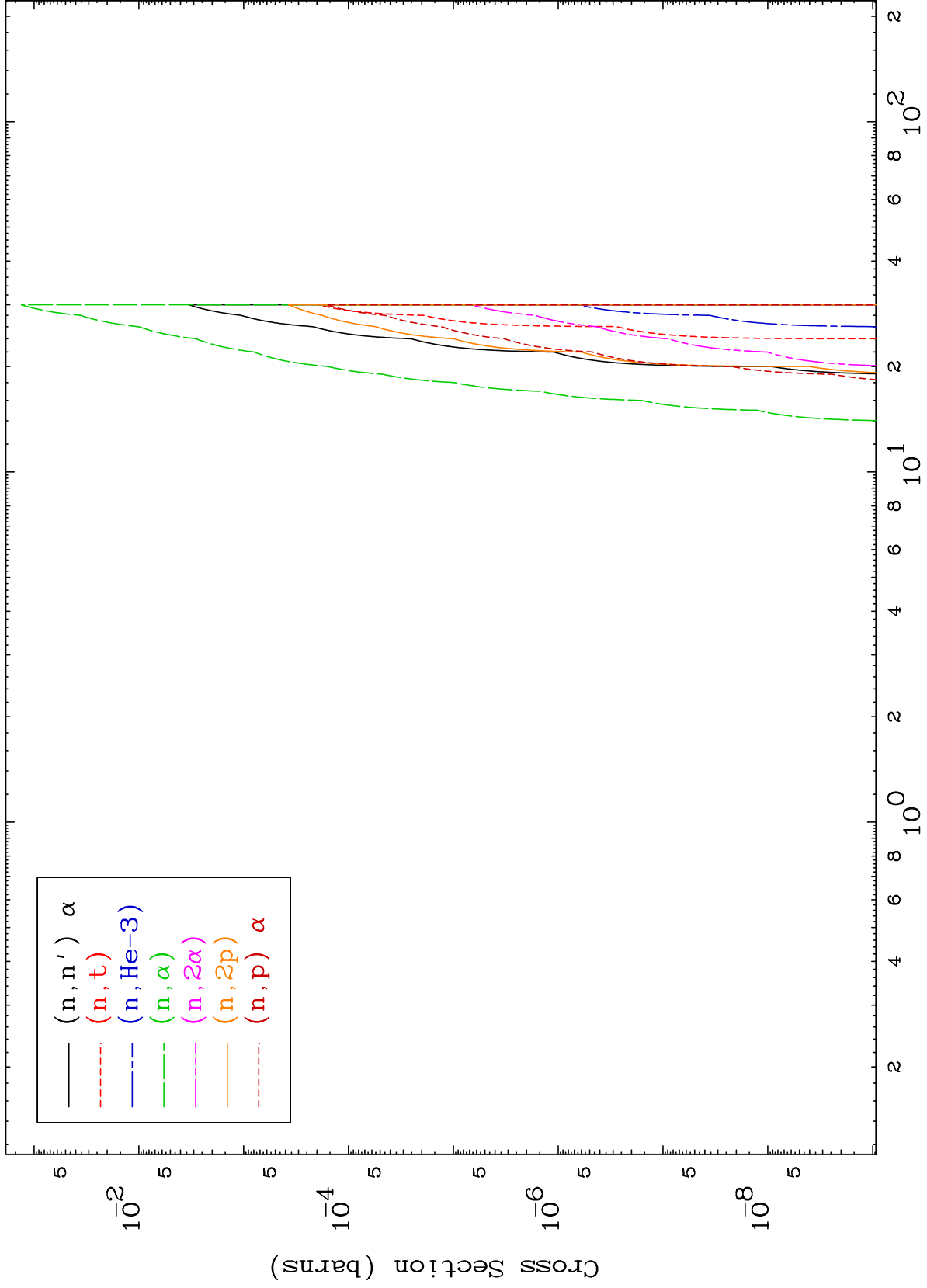
Incident Energy (MeV)

MAT 7890

α Charged Particle

79-Au-185m

0 Kelvin Cross Sections

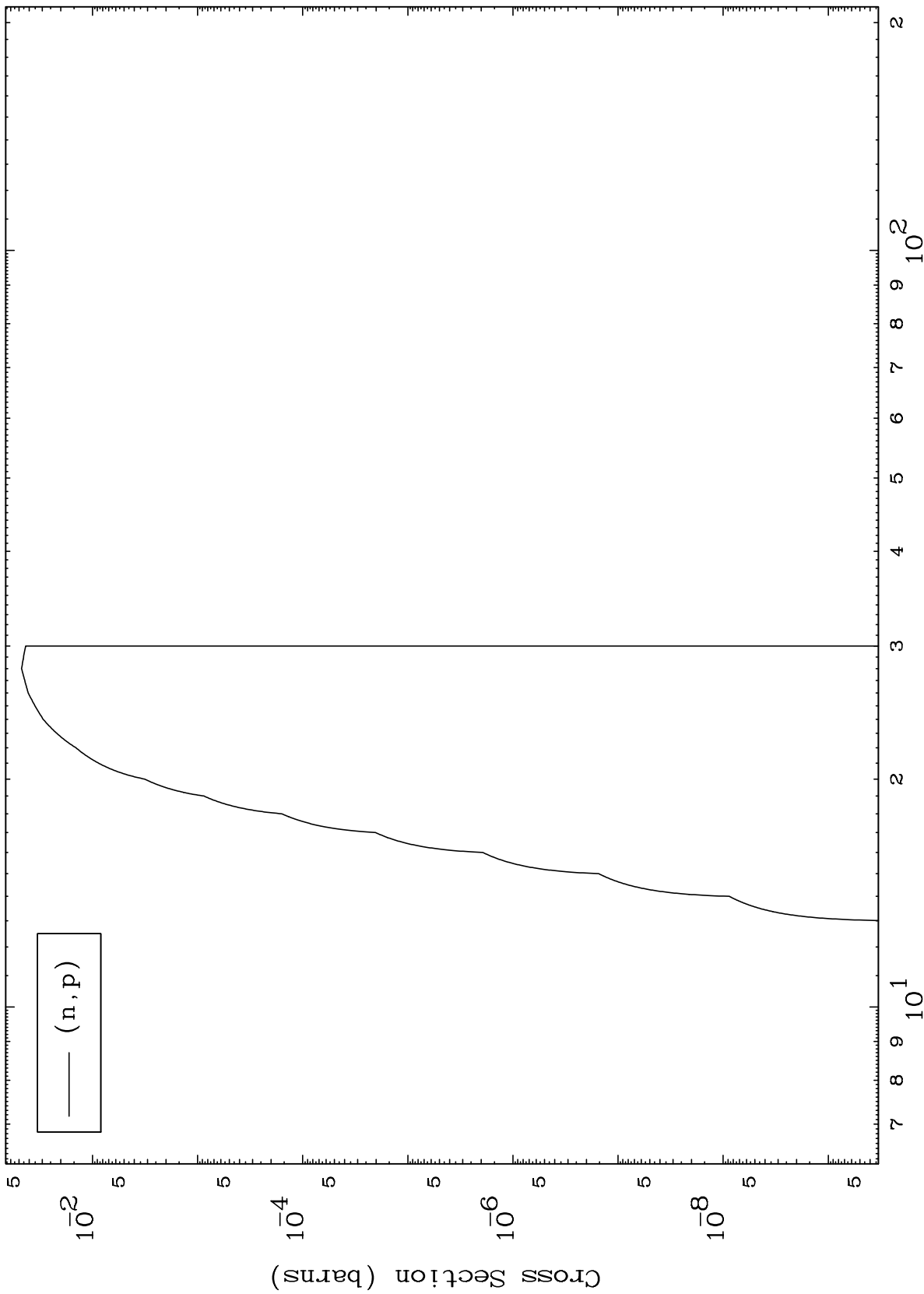


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(α, p) Levels

⁷⁹Au-185m

0 Kelvin Cross Sections



(n, p)

Incident Energy (MeV)

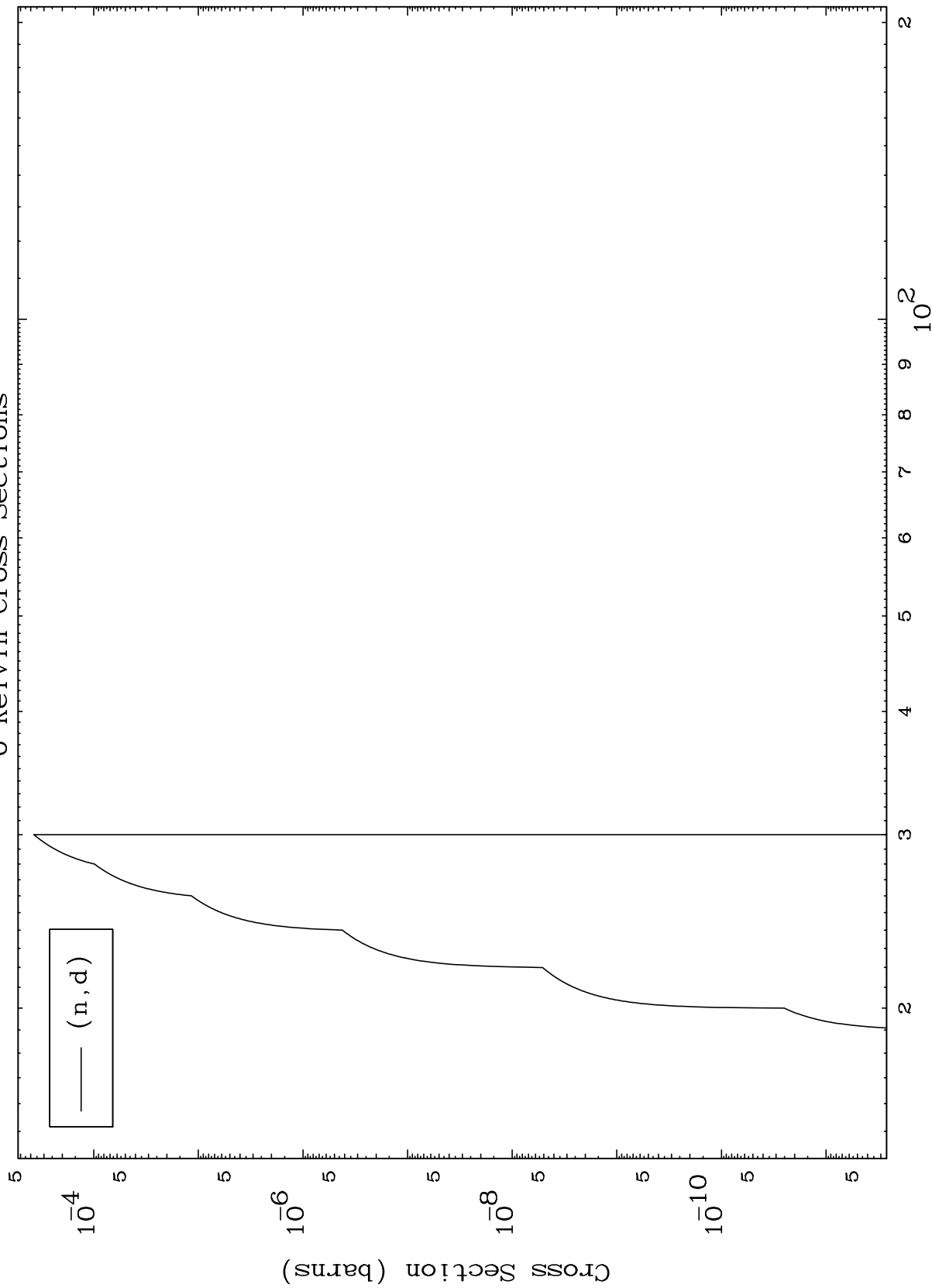
⁷⁹Au-185m

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⁷⁹Au-185m

(α, d) Levels
0 Kelvin Cross Sections



⁷⁹Au-185m

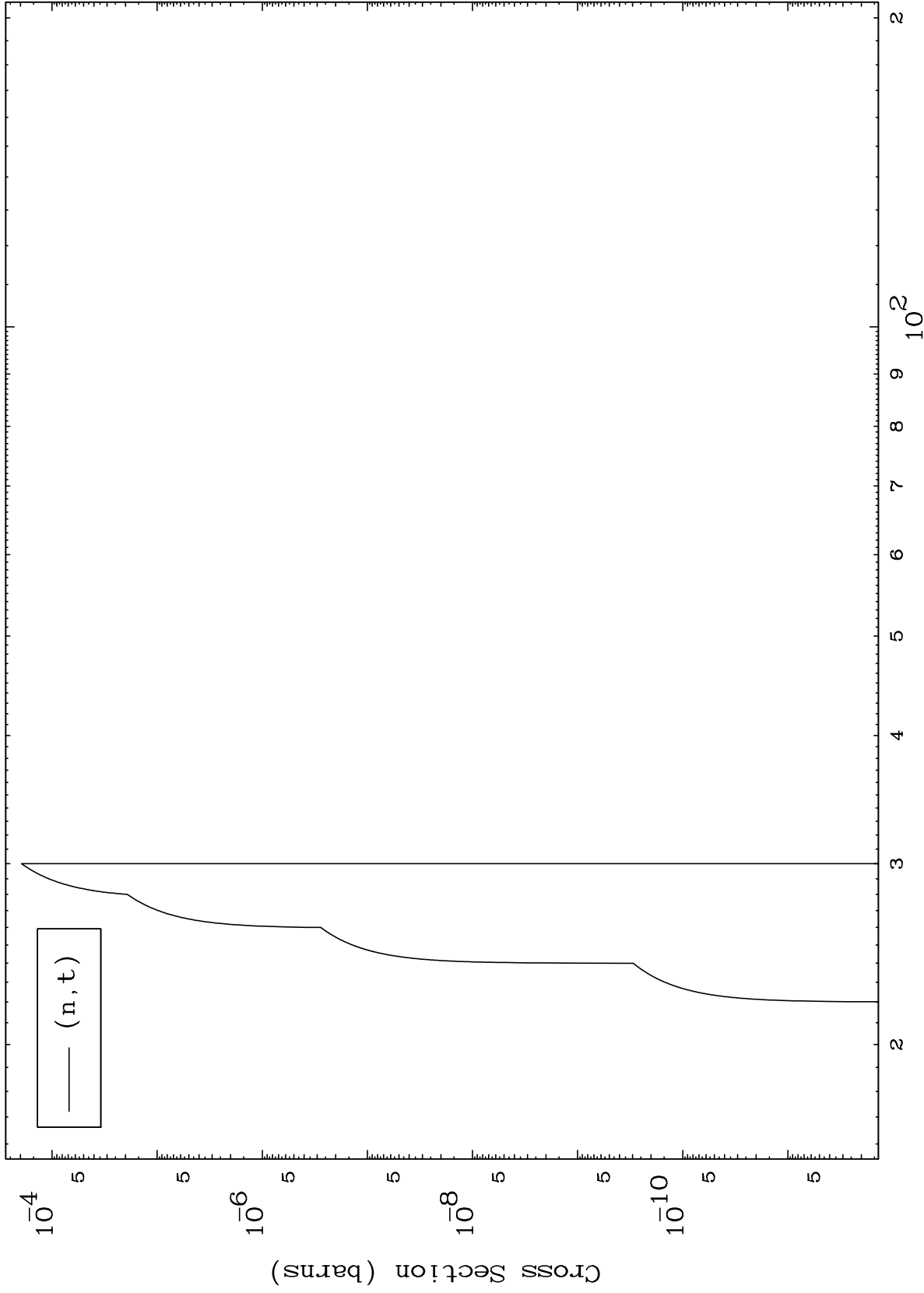
Incident Energy (MeV)

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(α, t) Levels
0 Kelvin Cross Sections

⁷⁹Au-185m

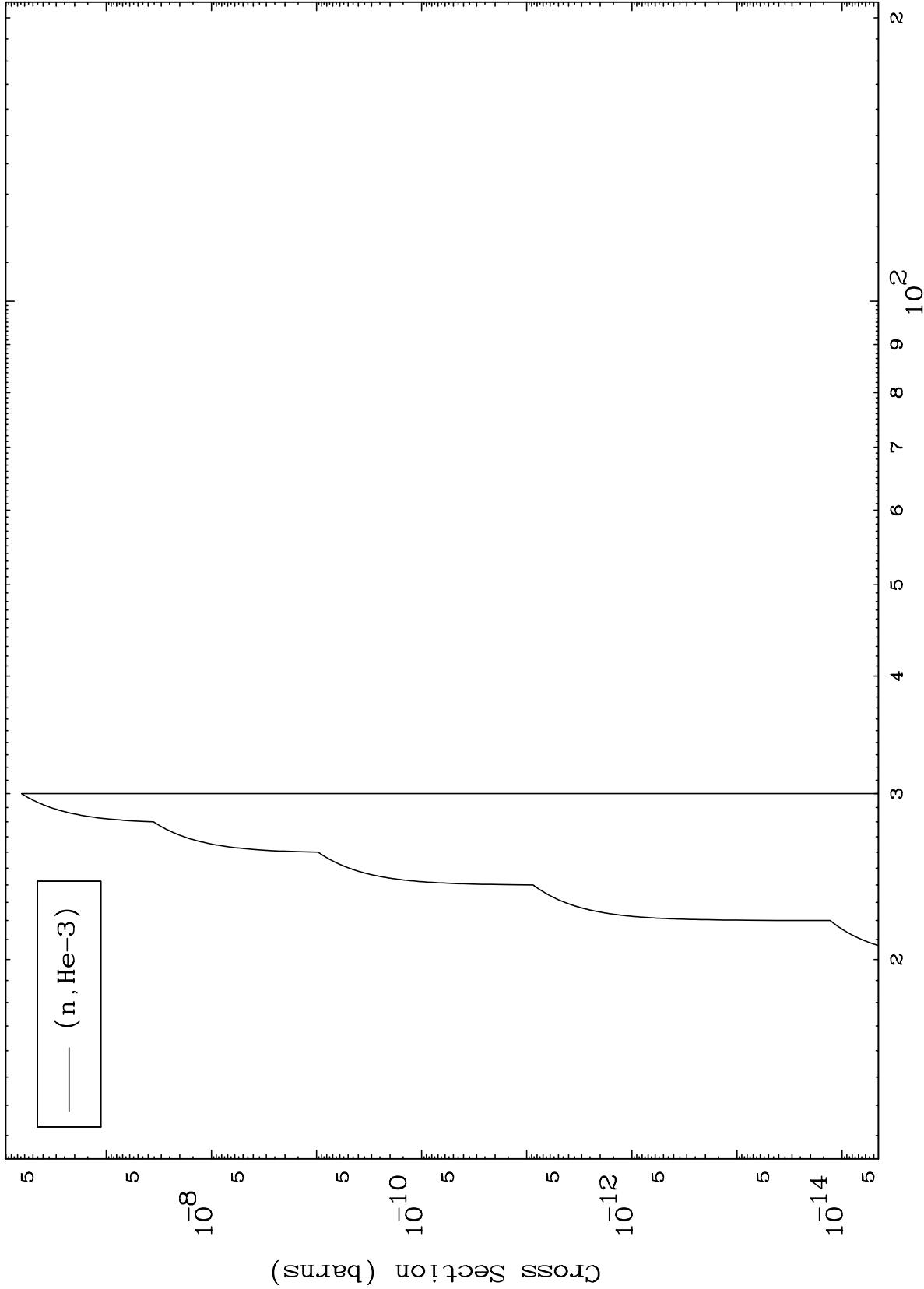


8

Incident Energy (MeV)

⁷⁹Au-185m

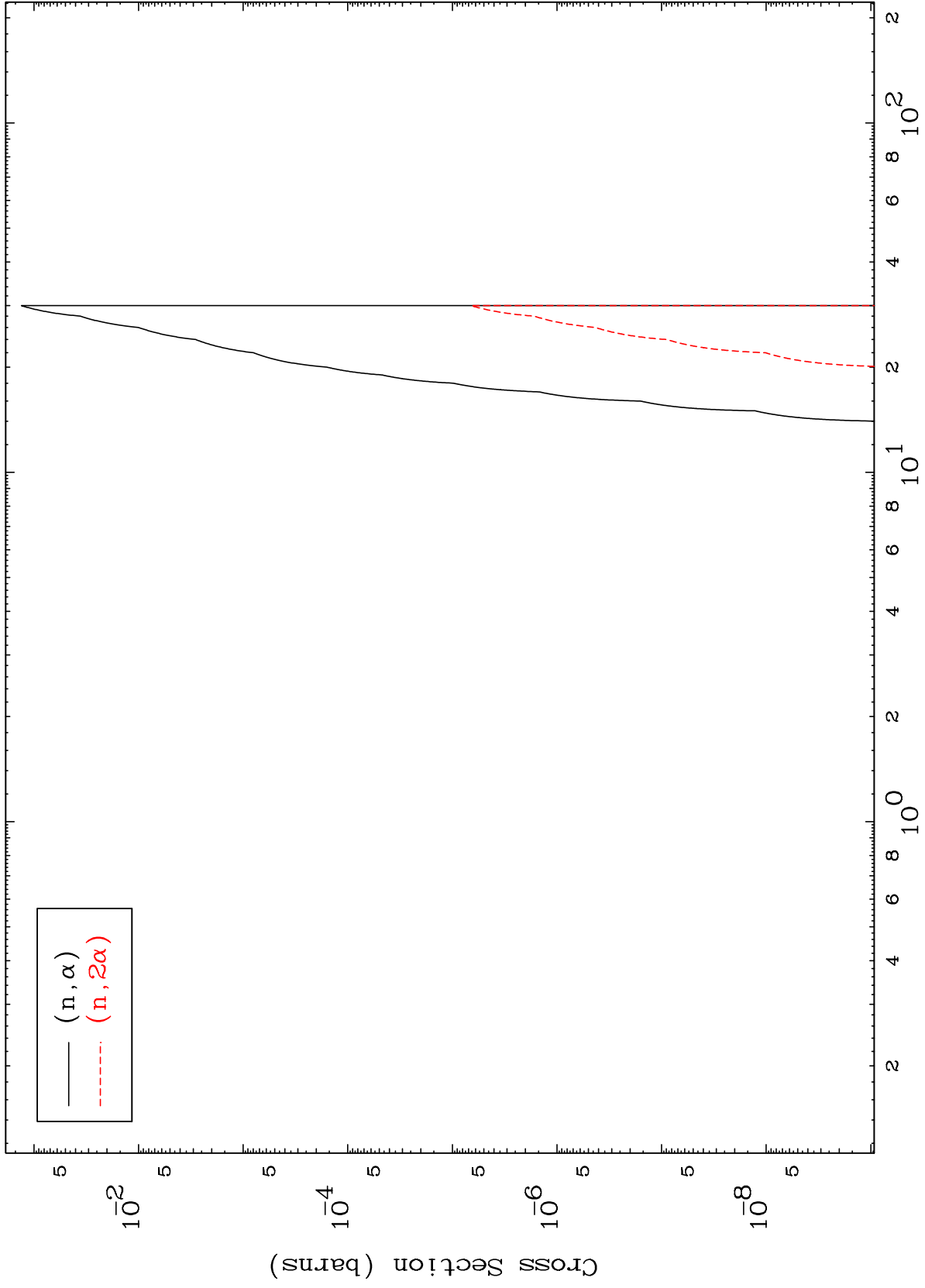
0 Kelvin Cross Sections



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0 Kelvin Cross Sections
(α, α) Levels

79-Au-185m

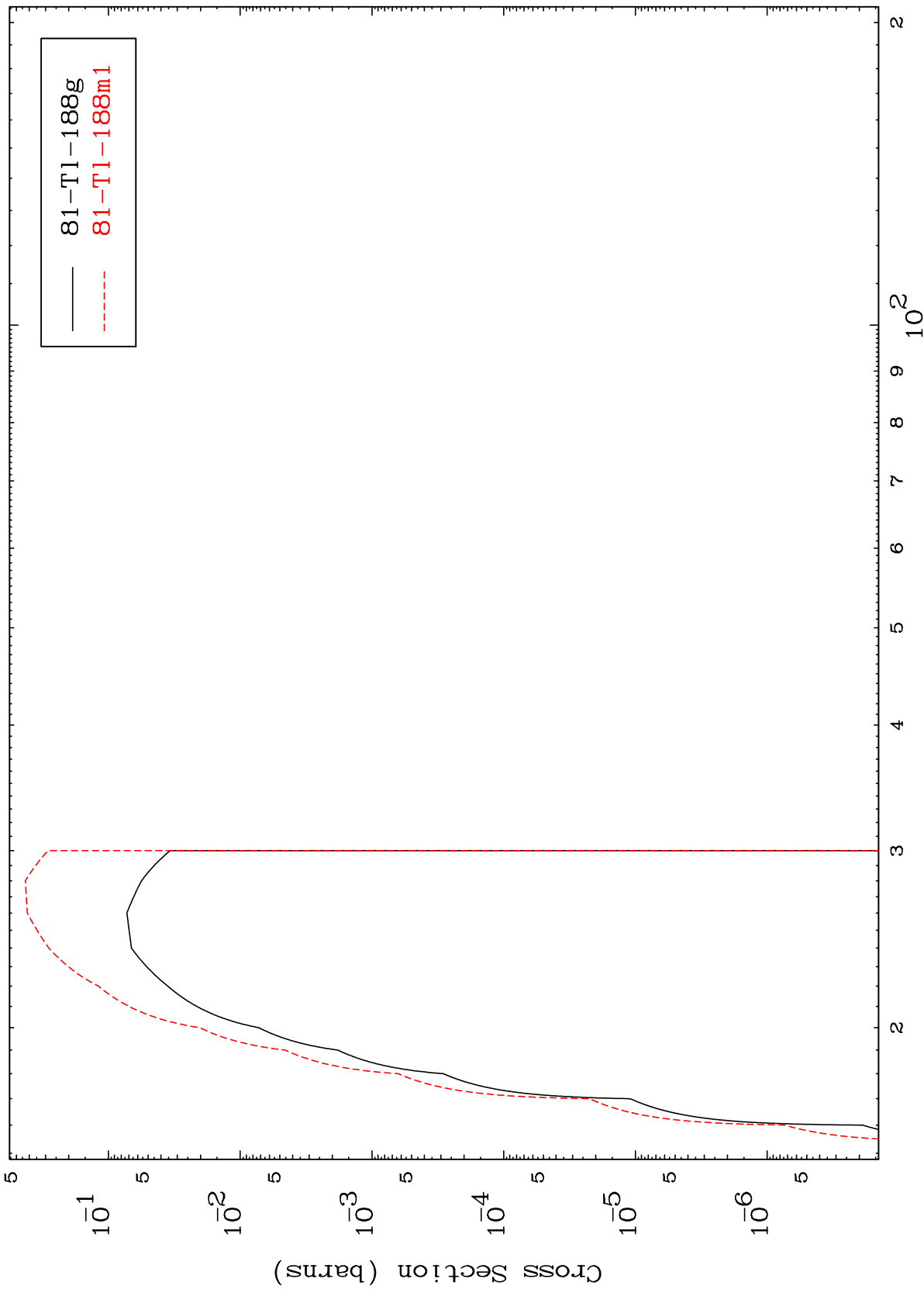


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Incident Energy (MeV)

79-Au-185m

Inelastic
Radionuclide Production Cross Section

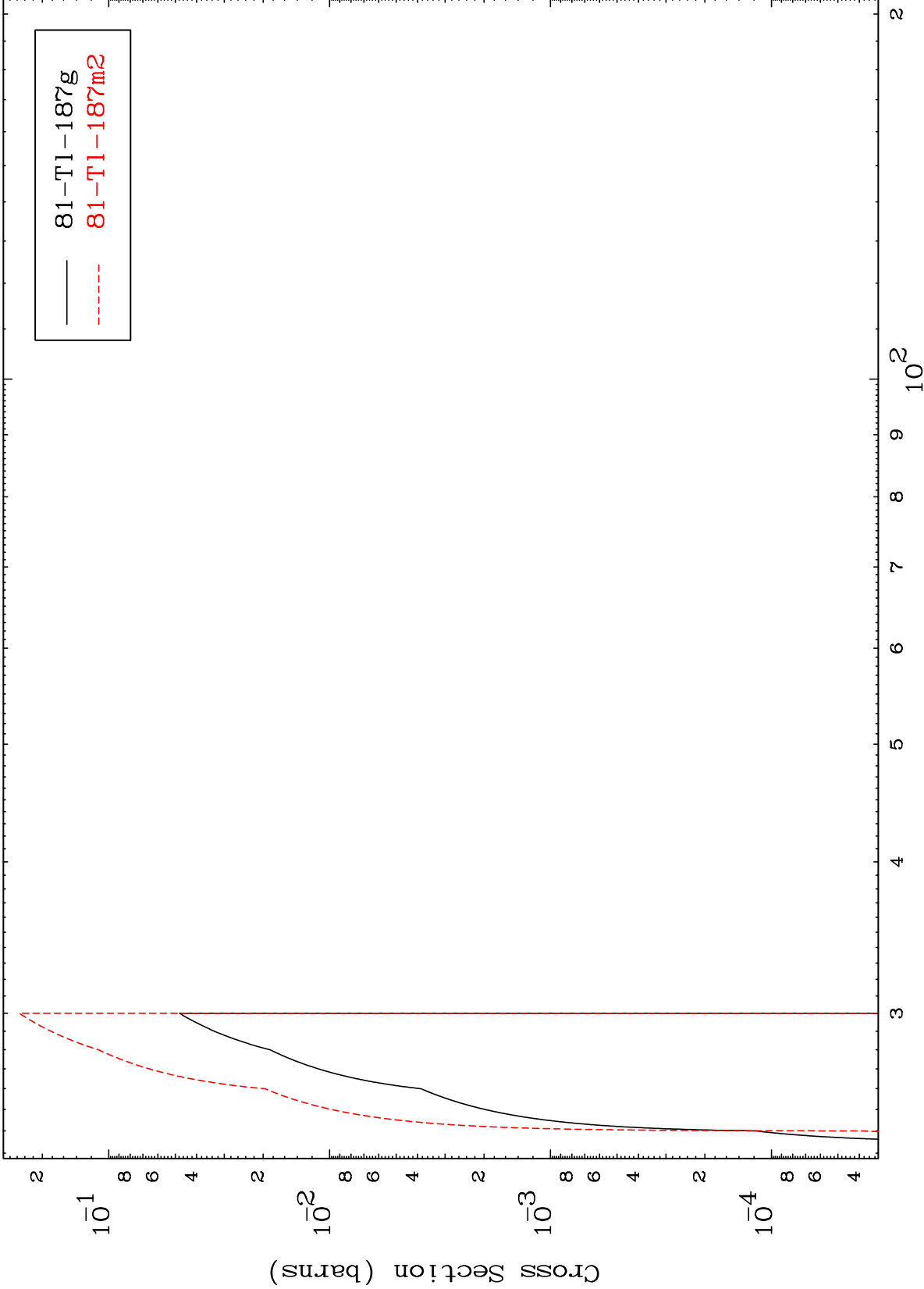


MAT 7890

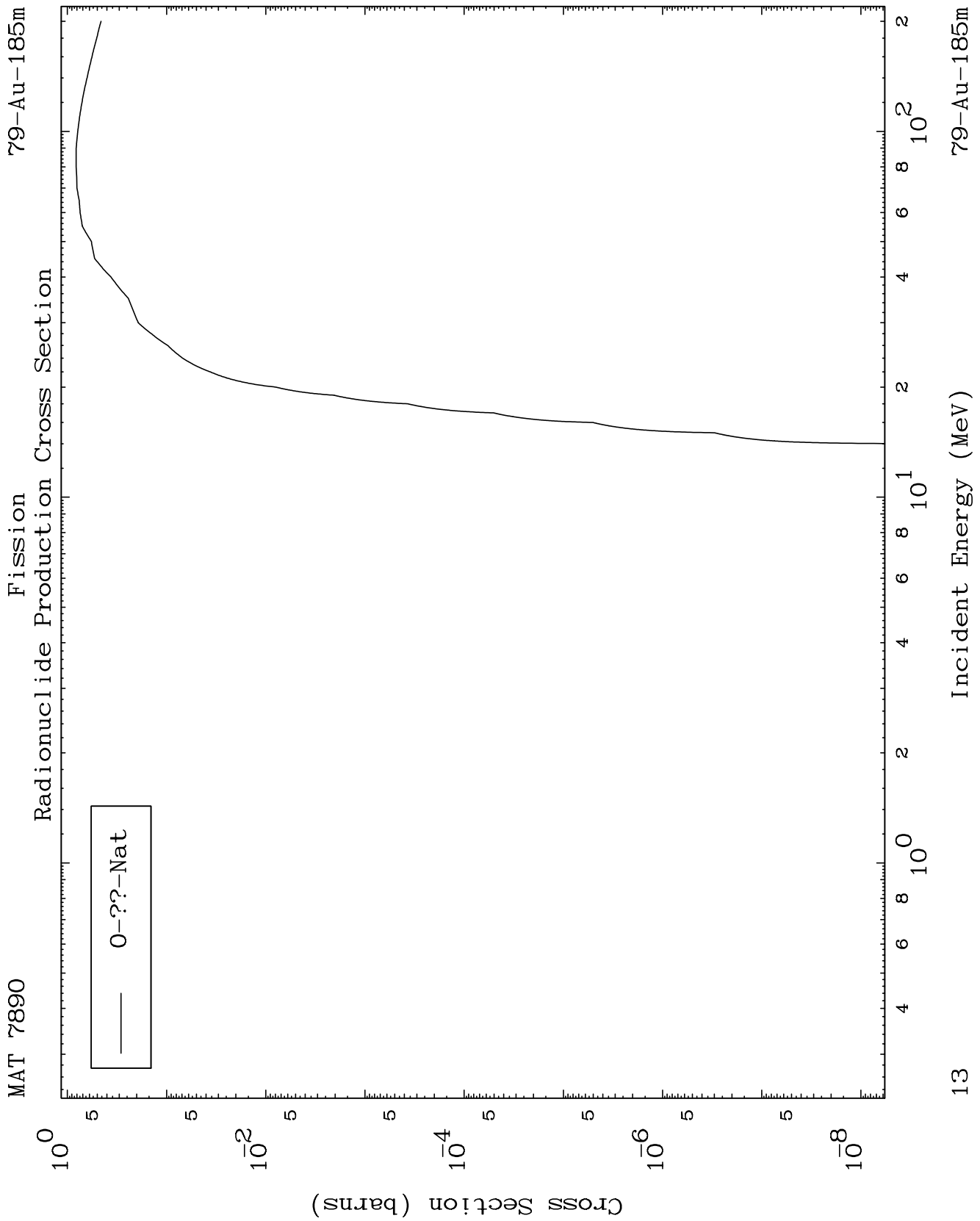
(n,2n)

⁷⁹Au-185m

Radionuclide Production Cross Section



— 81-Tl-187g
- - - 81-Tl-187m2

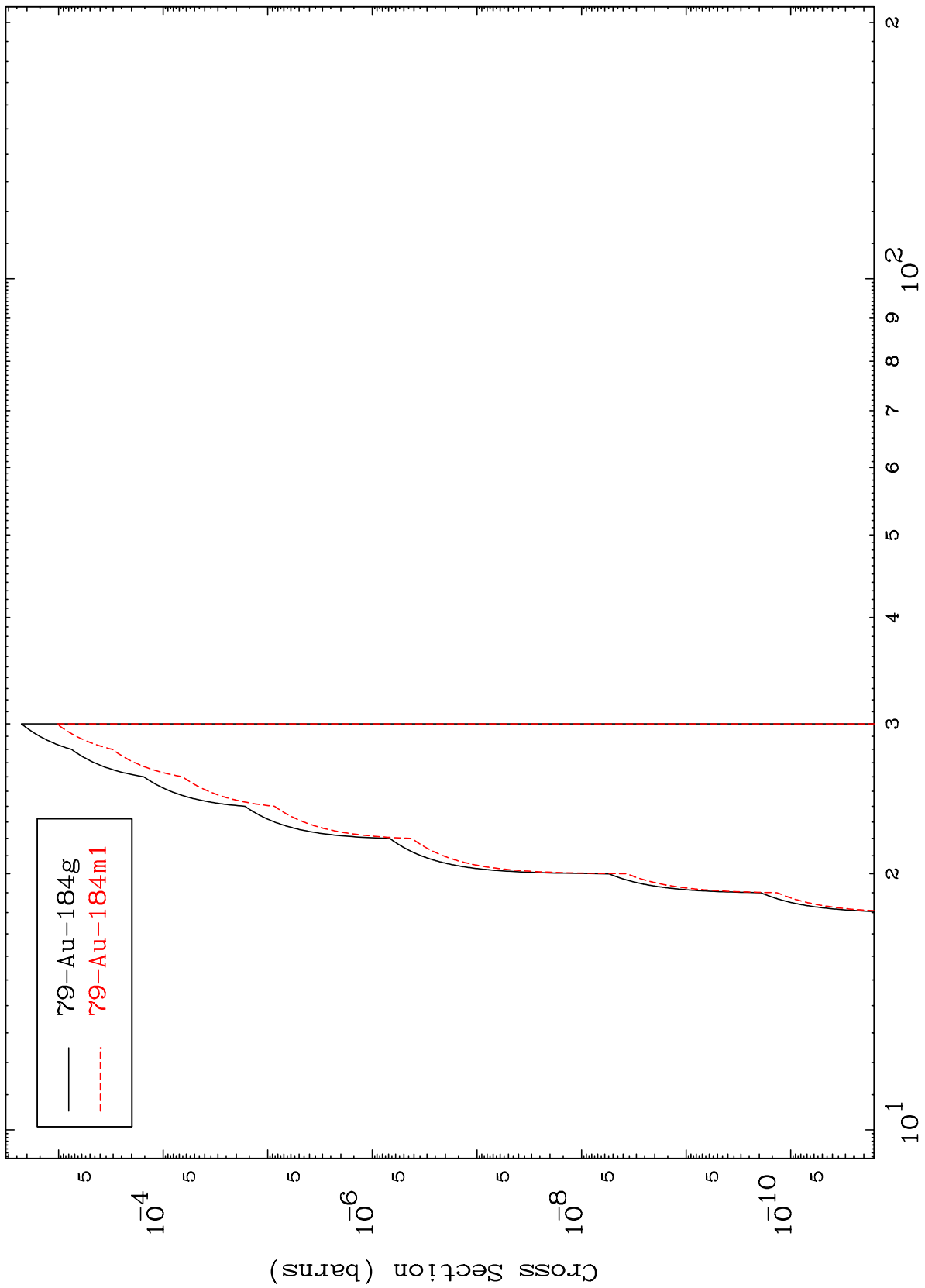


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$(n, n') \alpha$

$^{79}\text{Au-185m}$

Radionuclide Production Cross Section



Incident Energy (MeV)

$^{79}\text{Au-185m}$

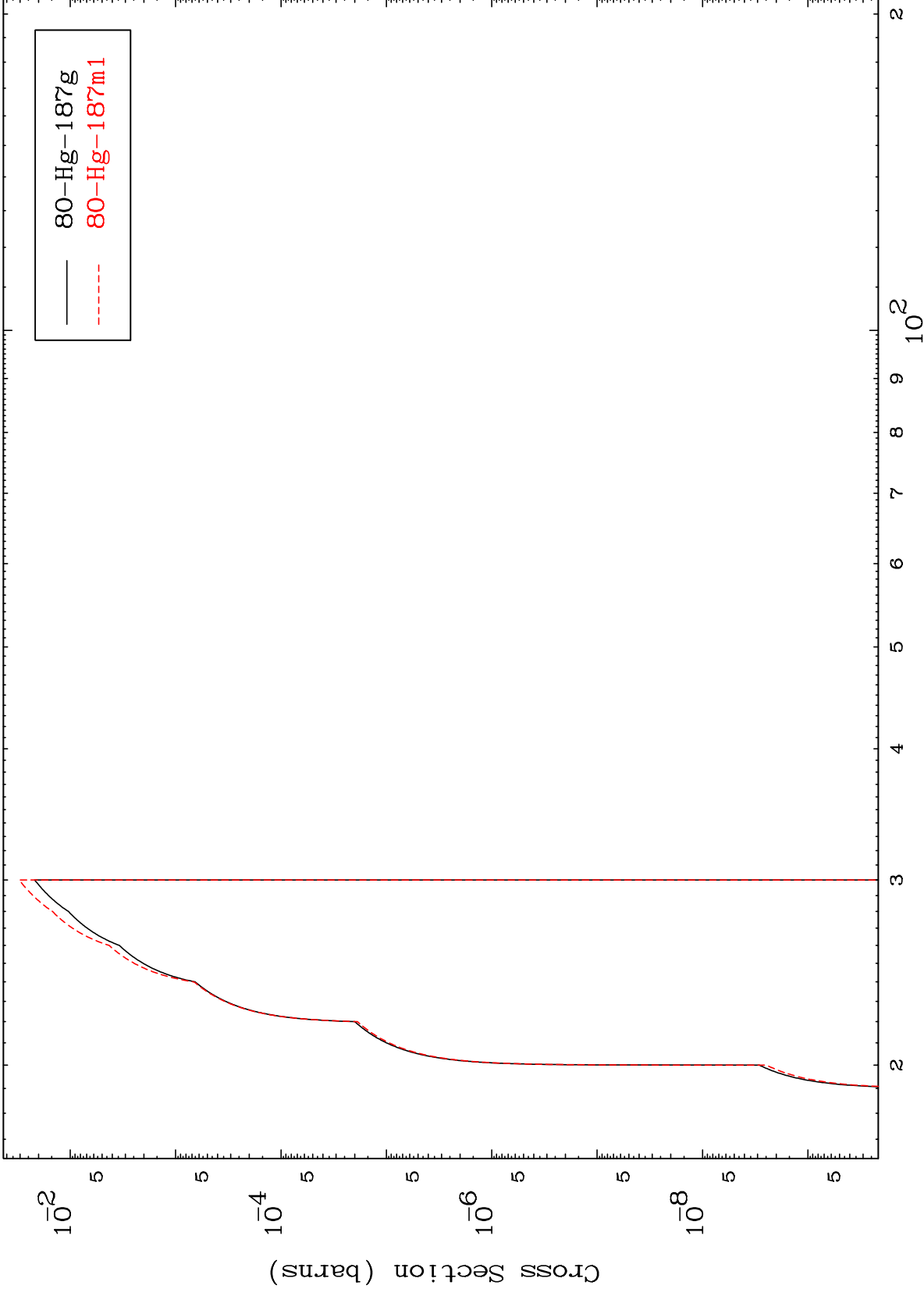
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(n,n') p

79-Au-185m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

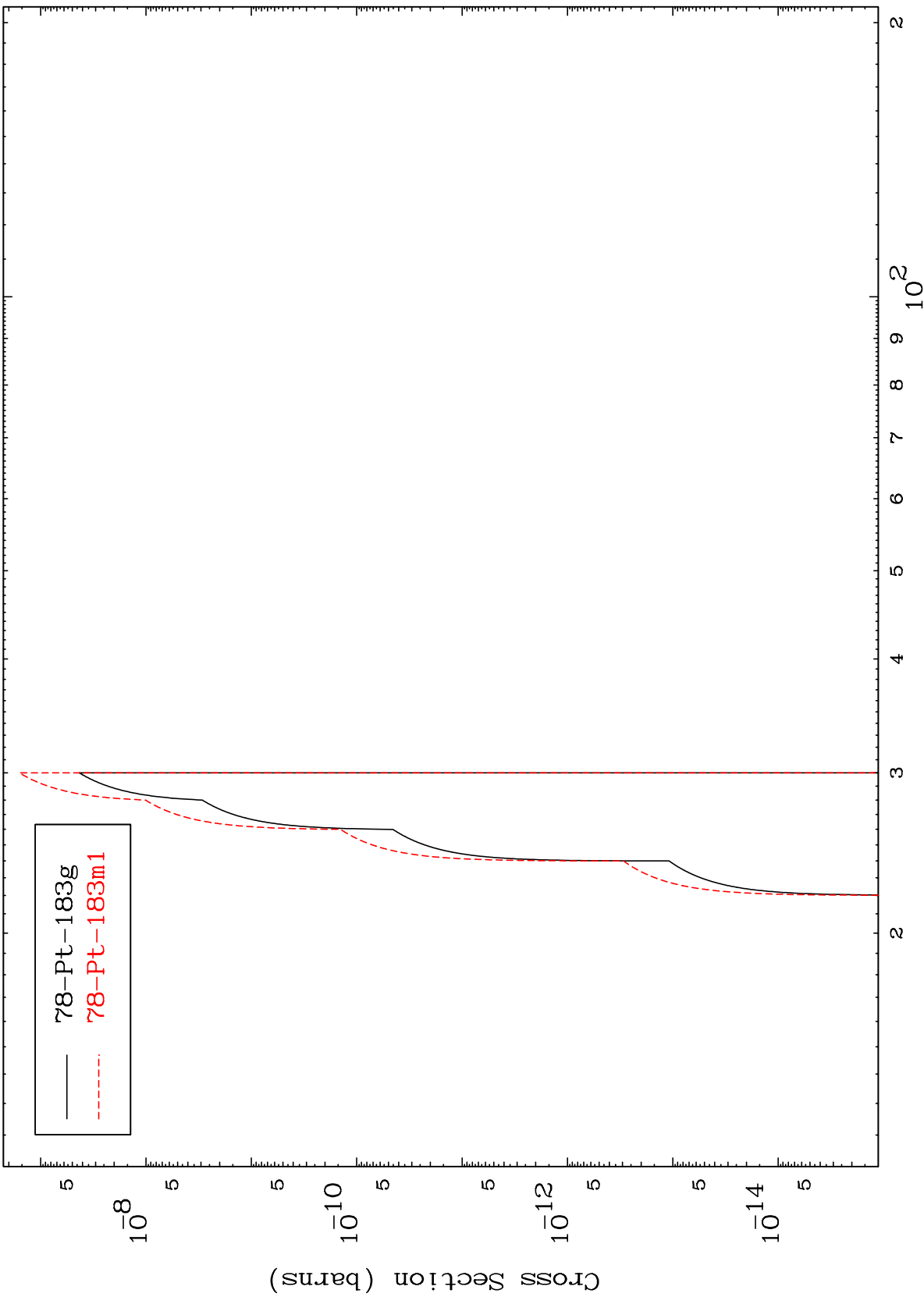
79-Au-185m

MAT 7890

(n,n') p α

79-Au-185m

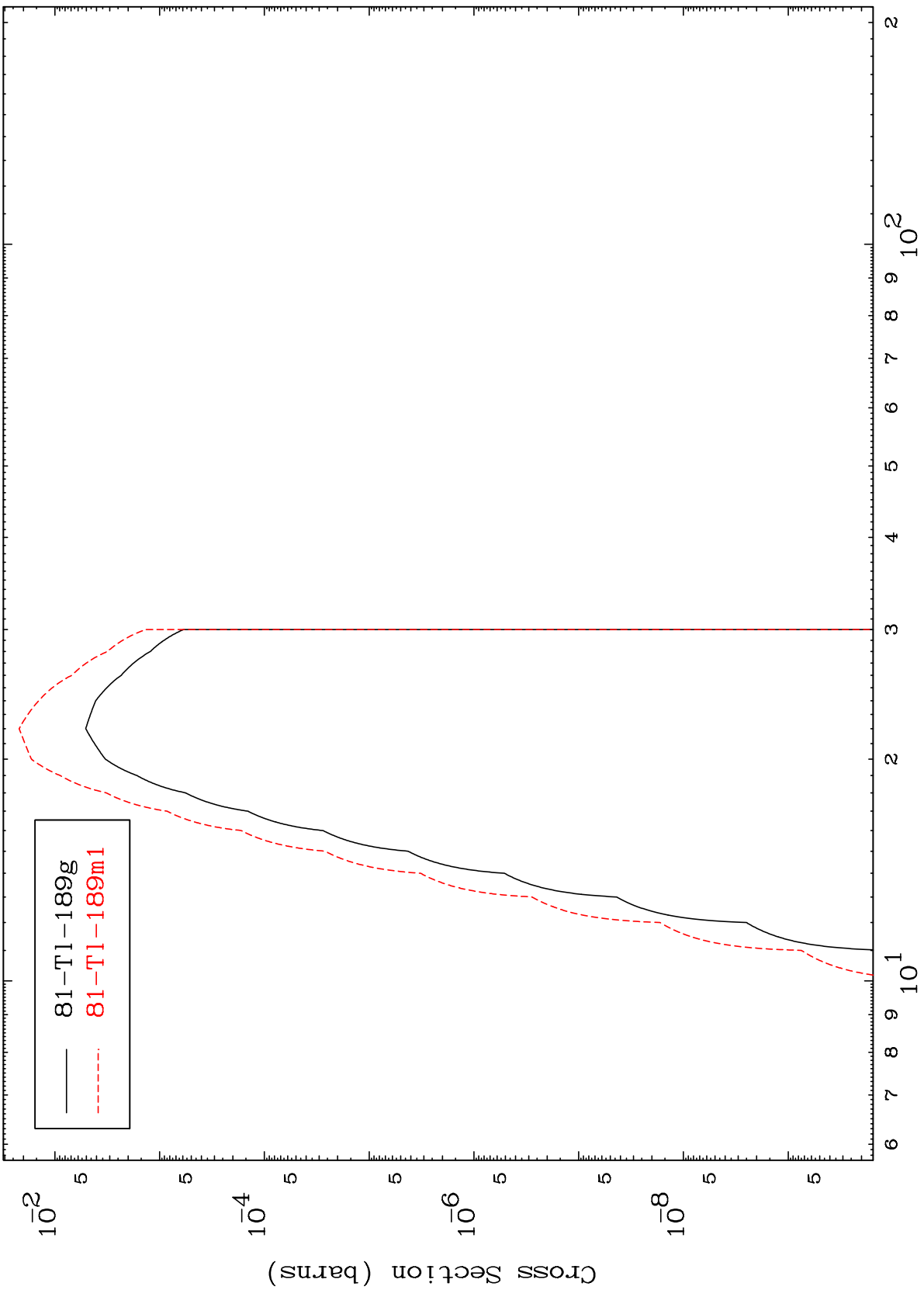
Radionuclide Production Cross Section



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⁷⁹Au-185m

Radionuclide Production Cross Section (n,γ)



17

Incident Energy (MeV)

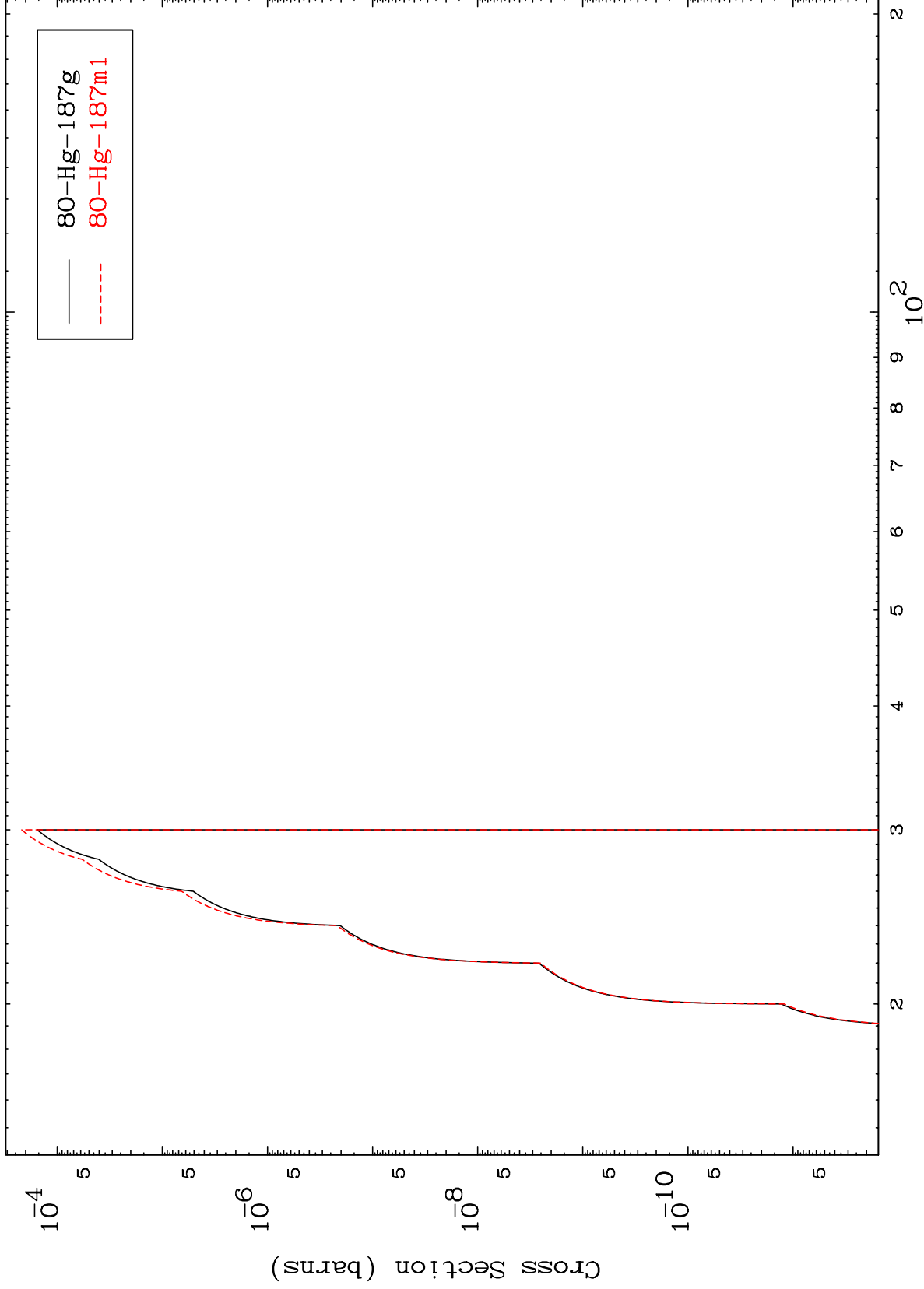
⁷⁹Au-185m

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(n,d)

79-Au-185m

Radionuclide Production Cross Section



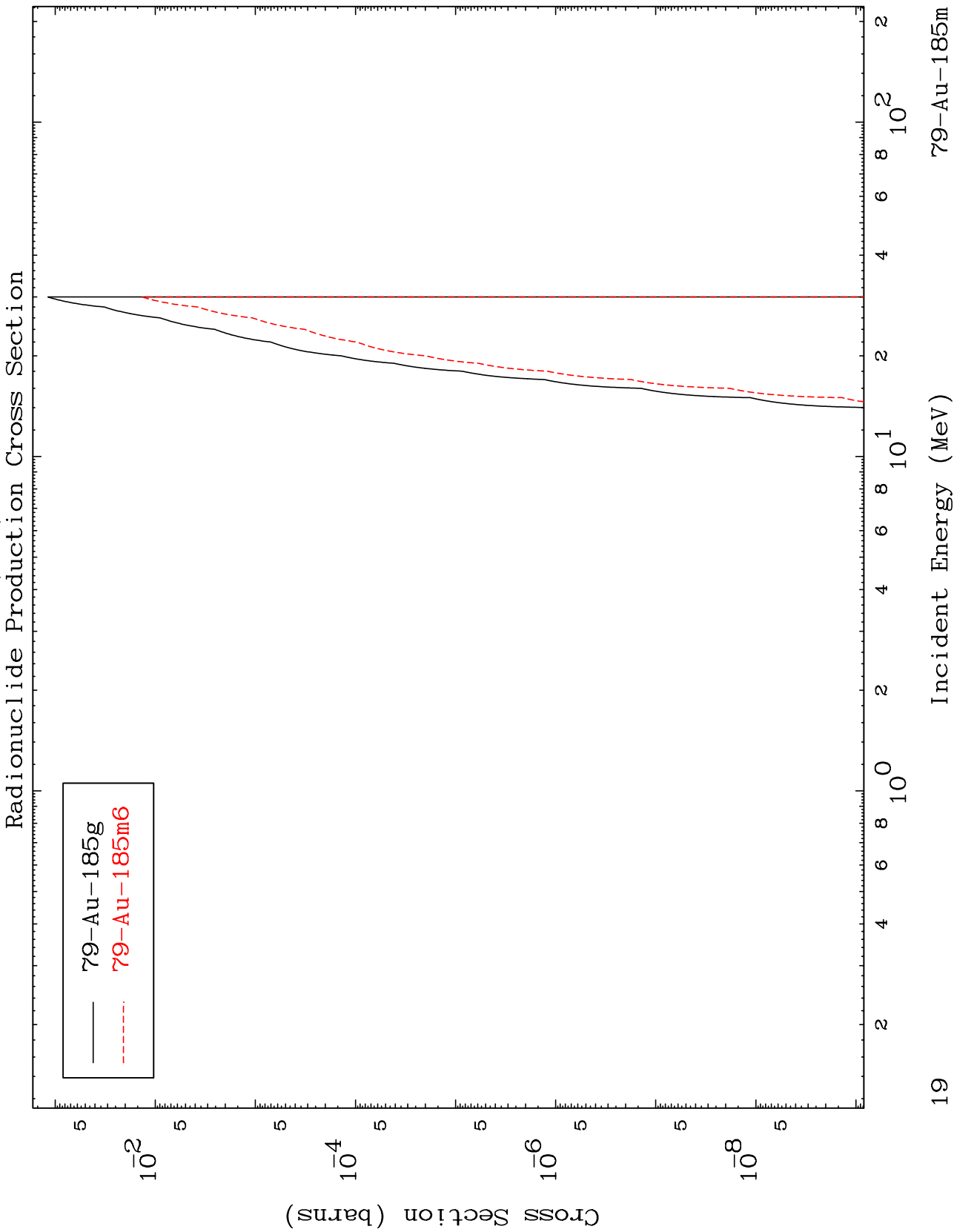
18

Incident Energy (MeV)

79-Au-185m

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⁷⁹Au-185m

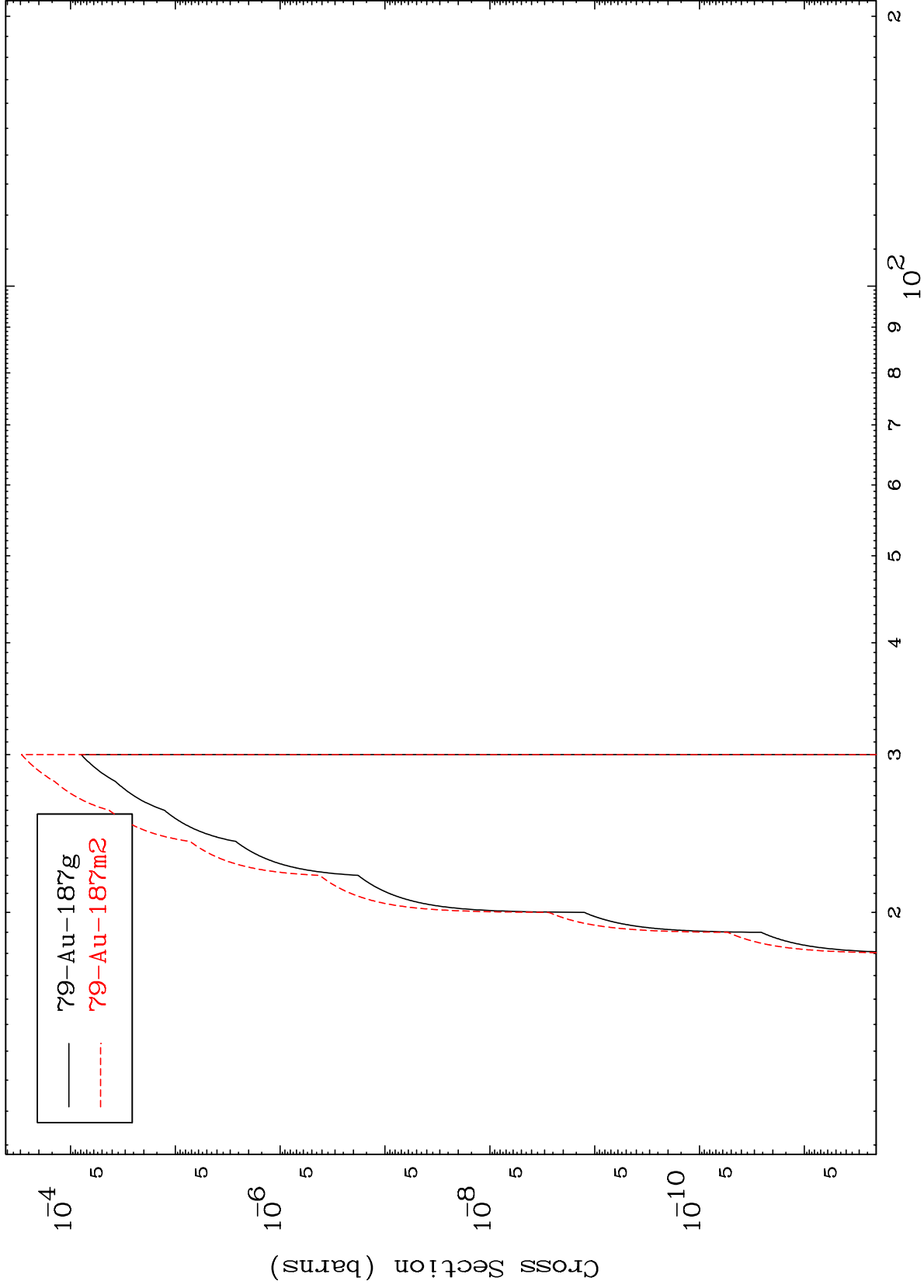


— ⁷⁹Au-185g
- - - ⁷⁹Au-185m6

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⁷⁹Au-185m

(n,2p)
Radionuclide Production Cross Section



⁷⁹Au-185m

Incident Energy (MeV)

20