

Program EVALPLOT
(Version 2021-1)

by

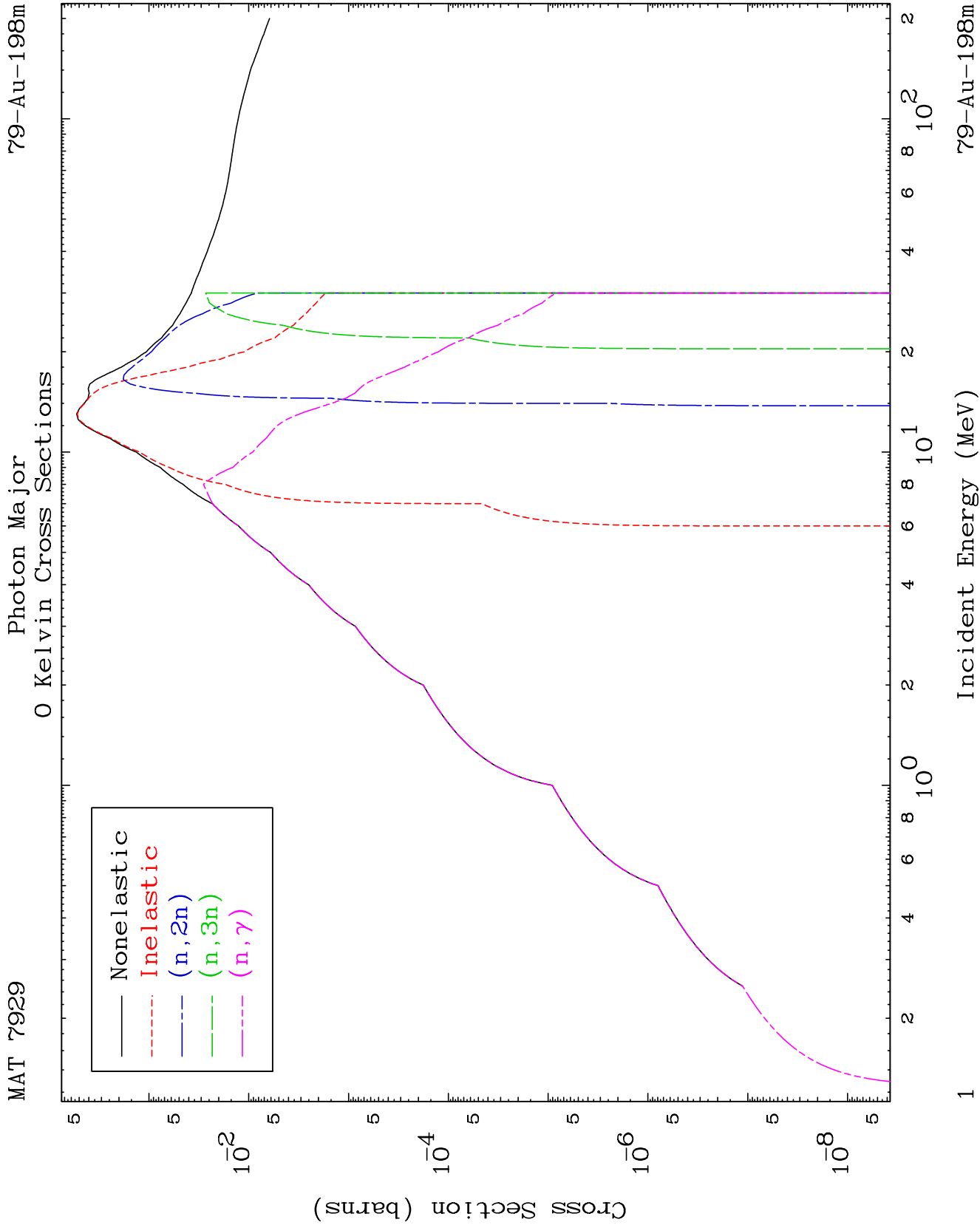
Dermott E. Cullen
(Present Contact Information)

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Livermore, CA 94550
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Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

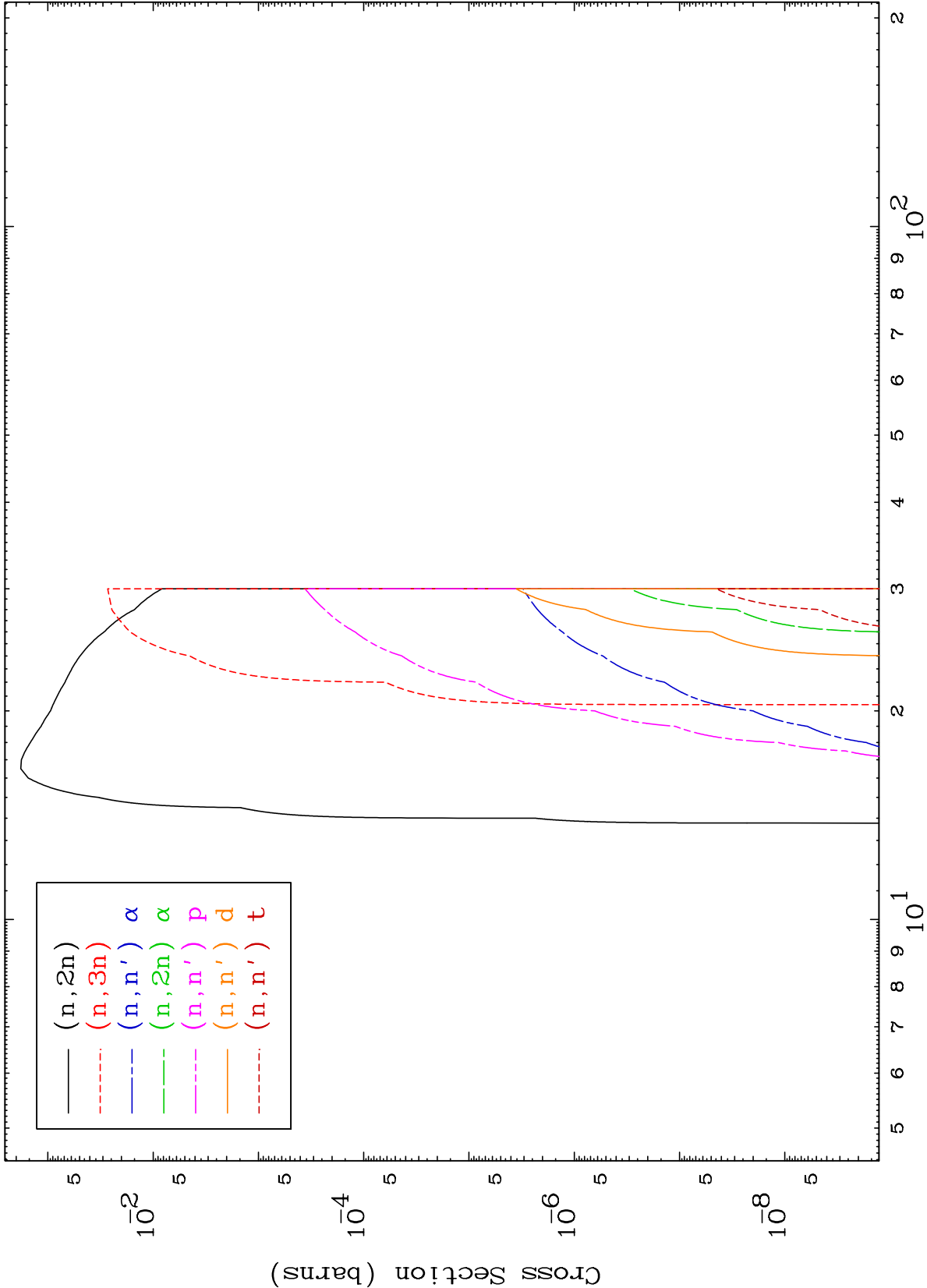
Press Mouse Button to Start



MAT 7929

Photon Neutron Absorption
0 Kelvin Cross Sections

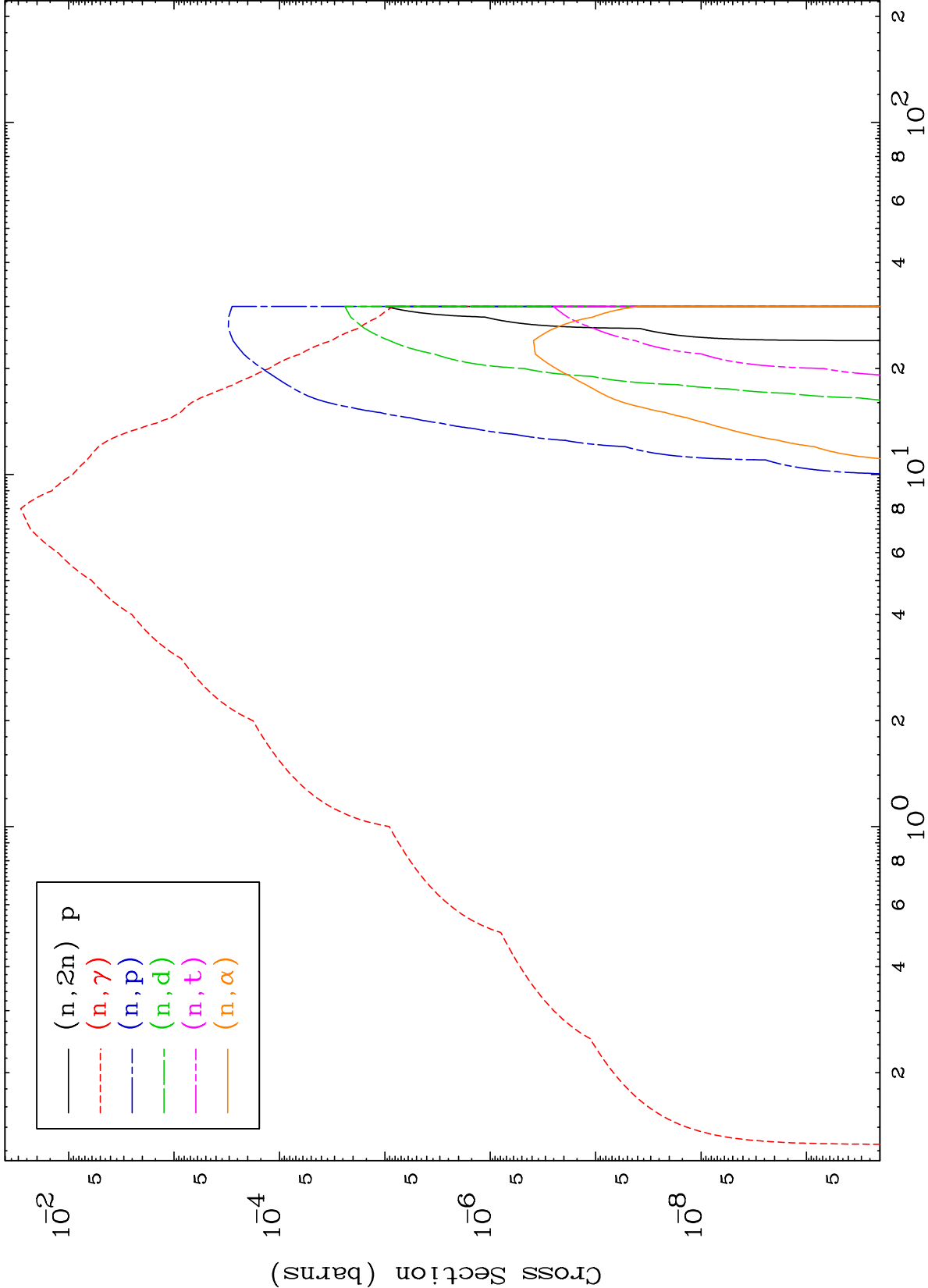
79-Au-198m

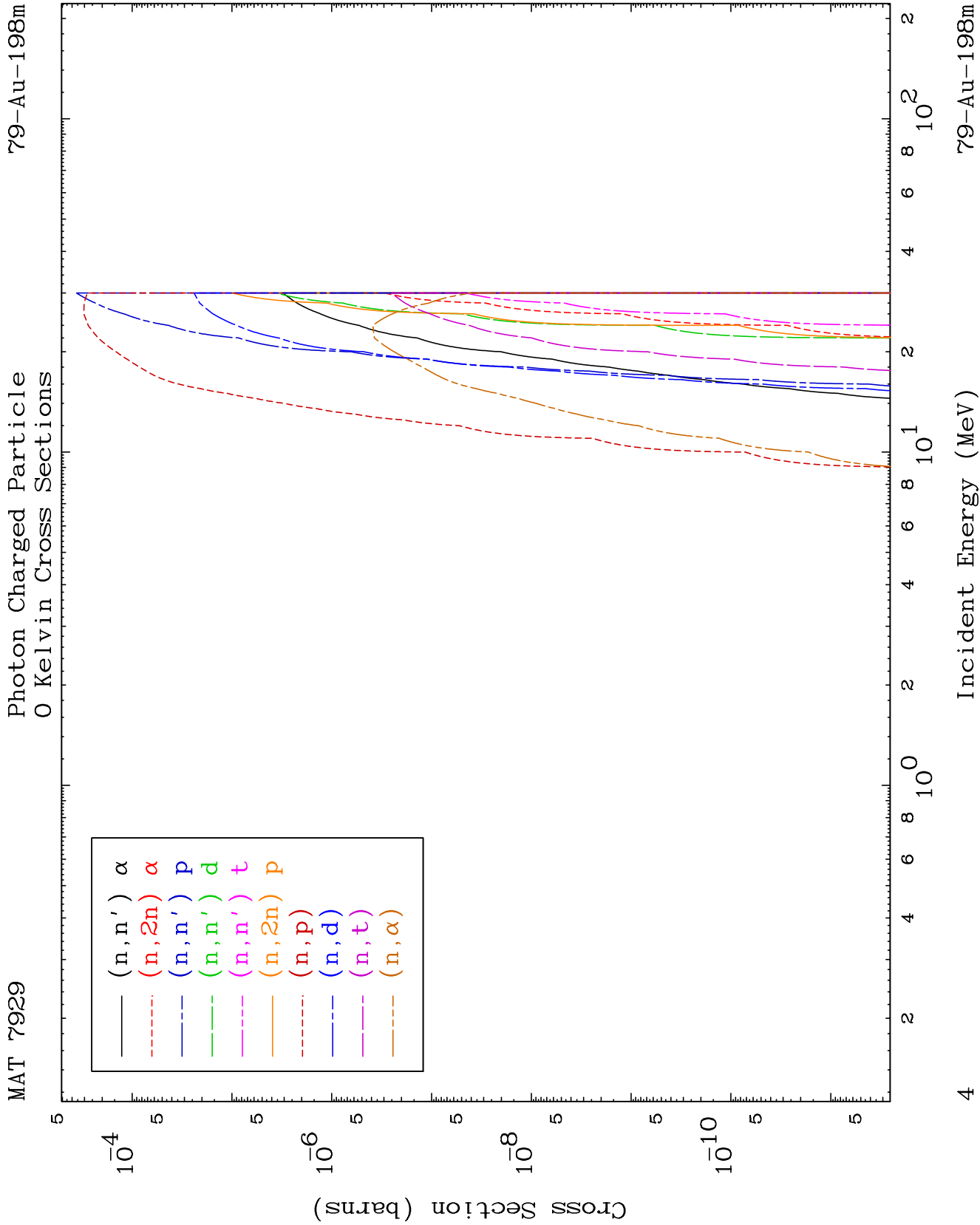


2

Incident Energy (MeV)

79-Au-198m

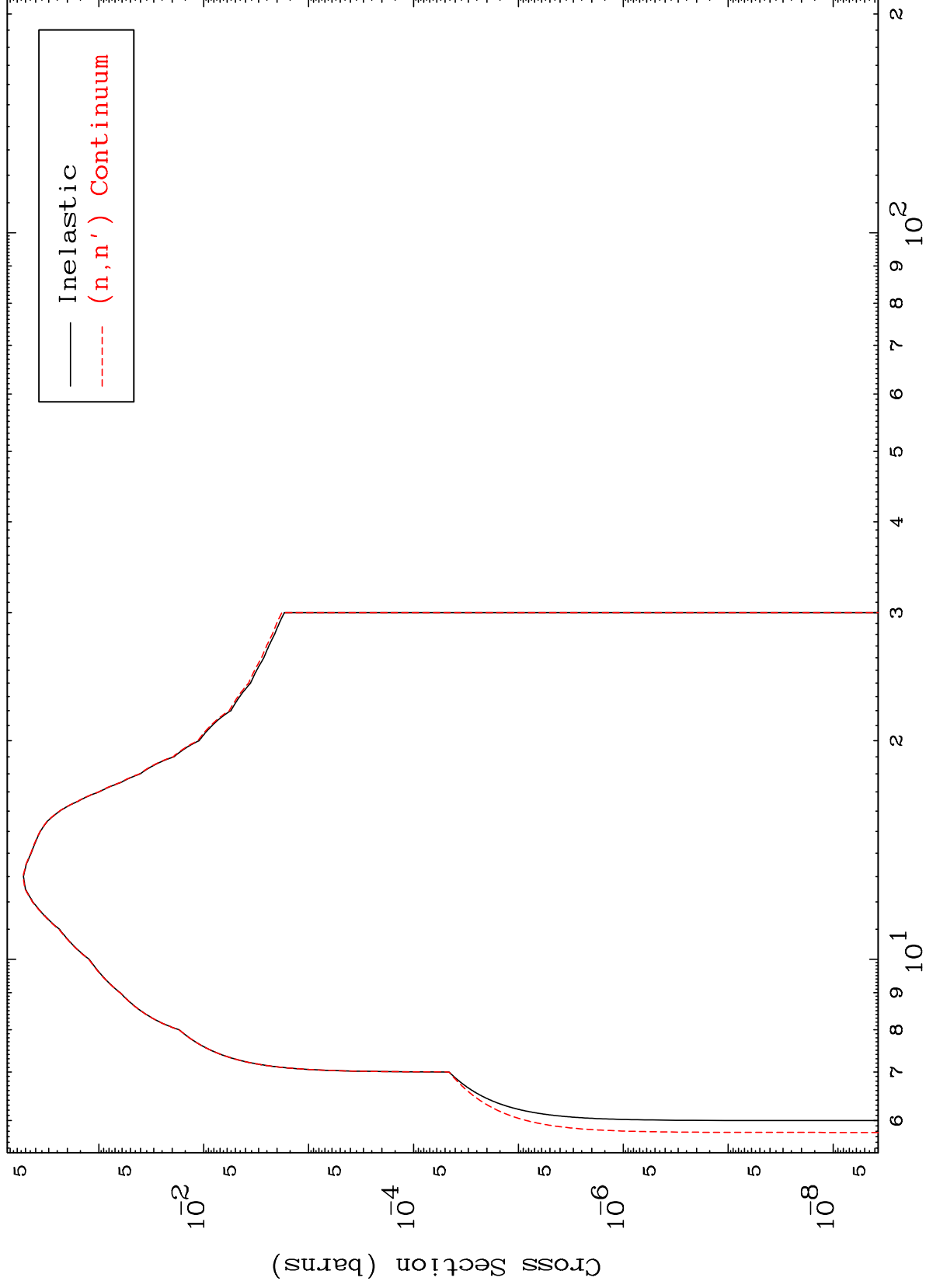




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⁷⁹Au-198m

(γ, n') Levels
0 Kelvin Cross Sections



5

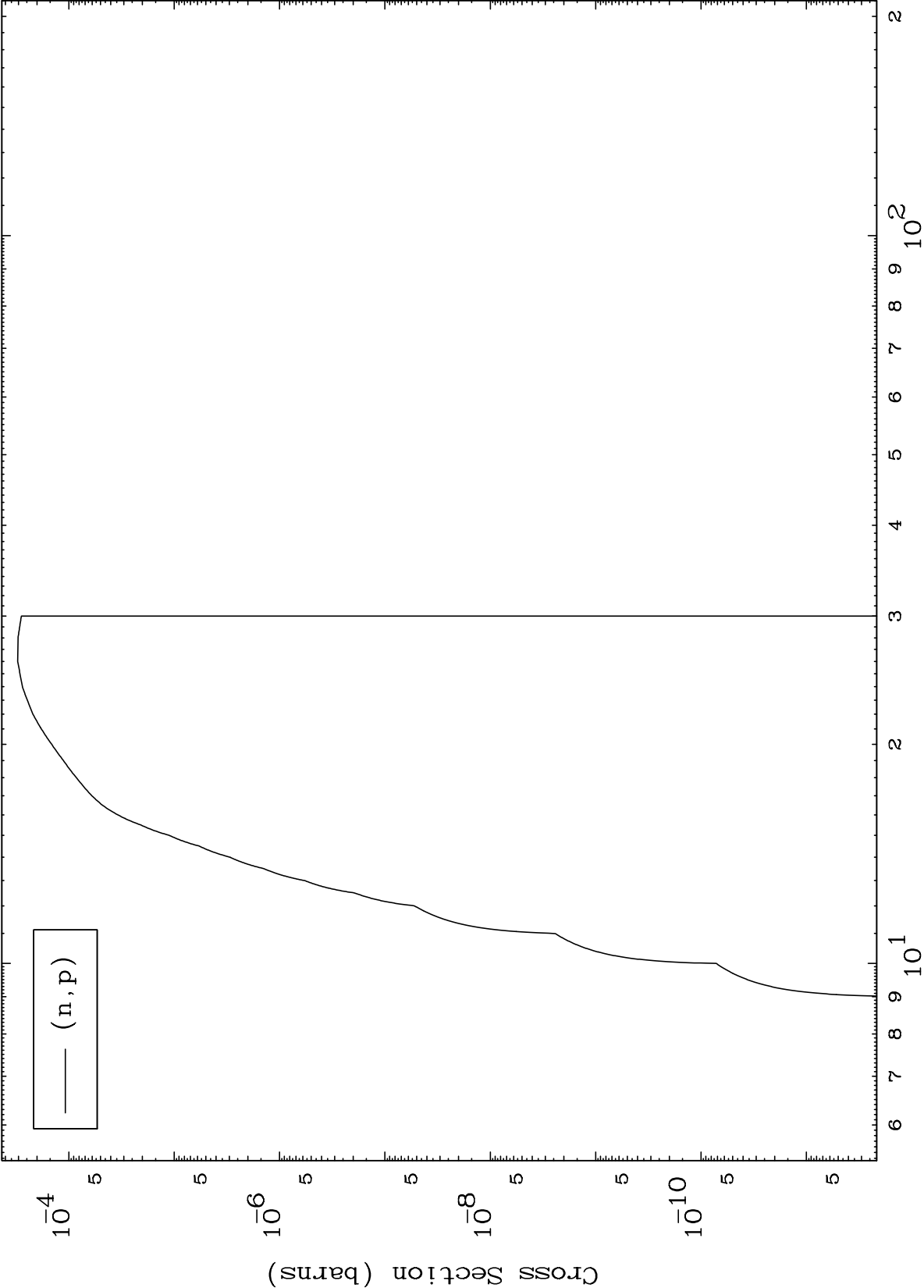
Incident Energy (MeV)

⁷⁹Au-198m

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(γ, p) Levels
0 Kelvin Cross Sections

⁷⁹Au-198m



6

Incident Energy (MeV)

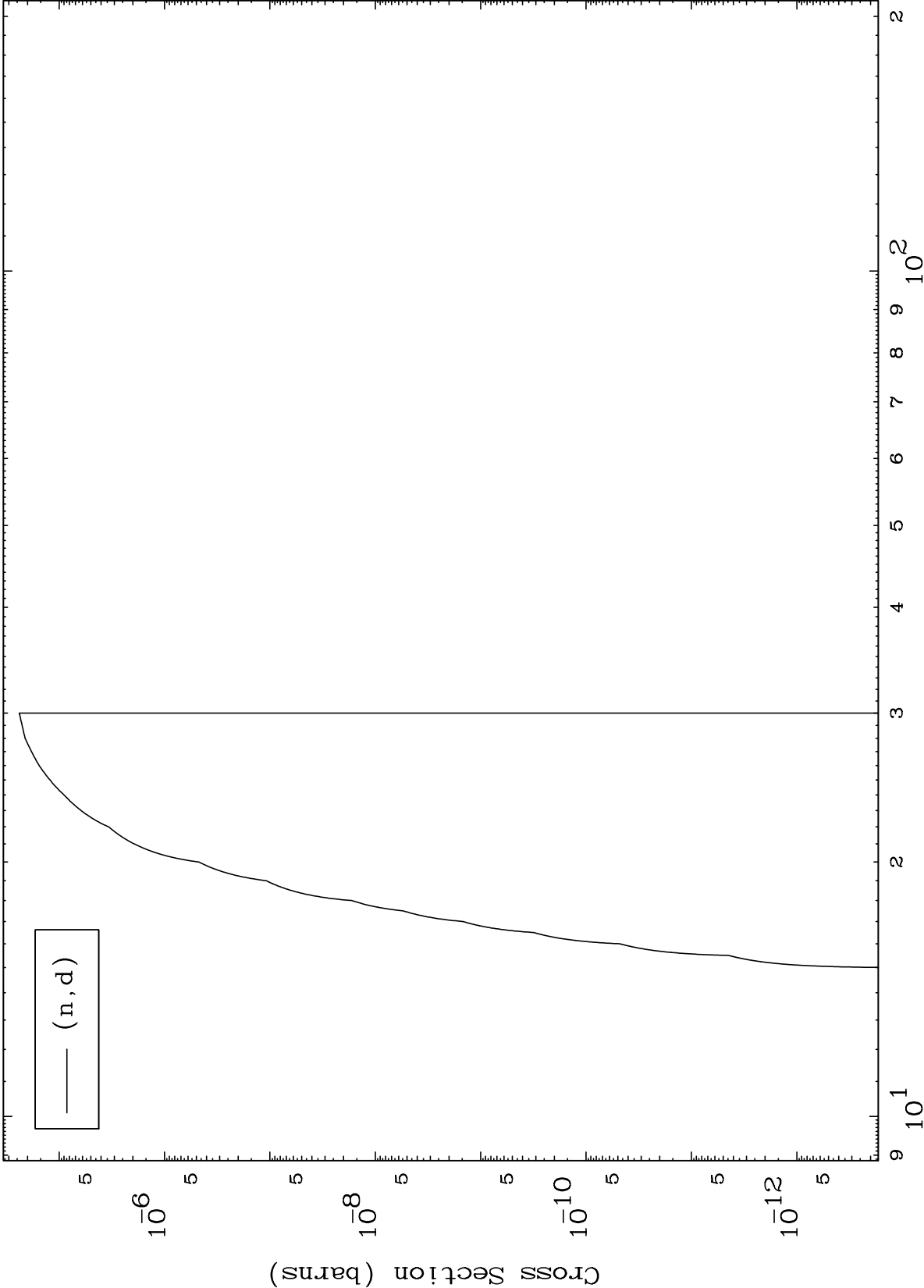
⁷⁹Au-198m

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(γ, d) Levels

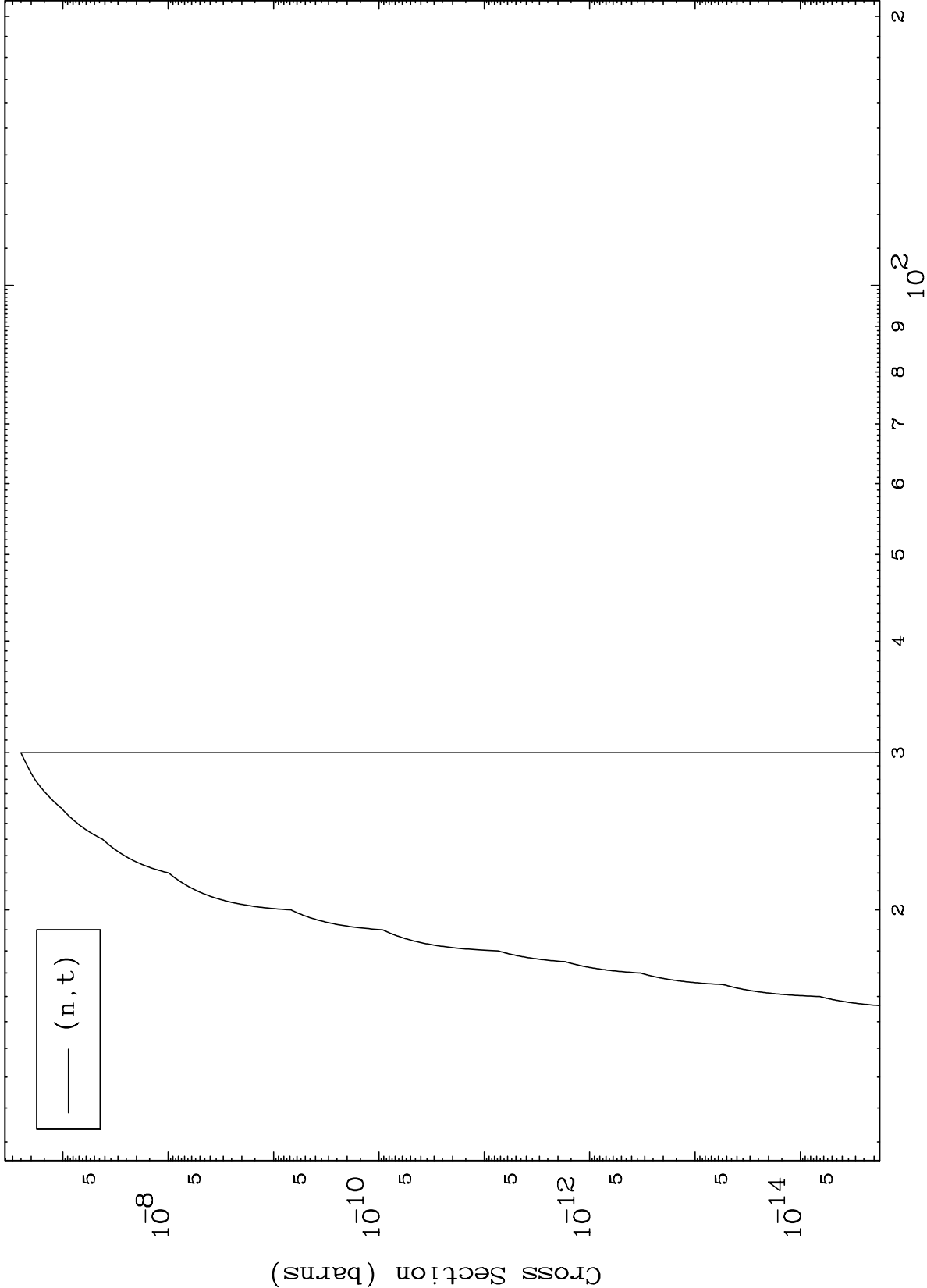
$^{79}\text{Au}-198\text{m}$

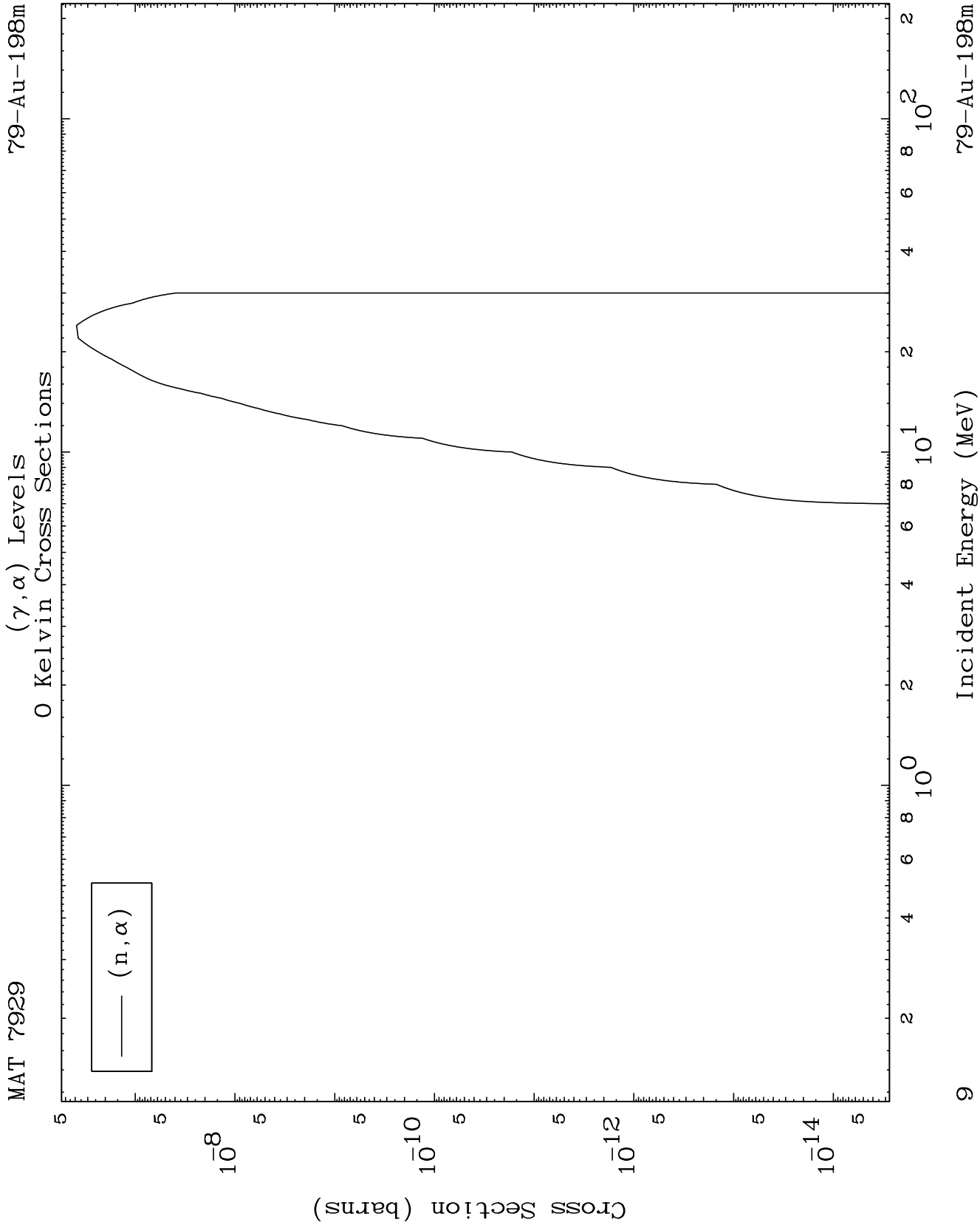
0 Kelvin Cross Sections



Incident Energy (MeV)

$^{79}\text{Au}-198\text{m}$

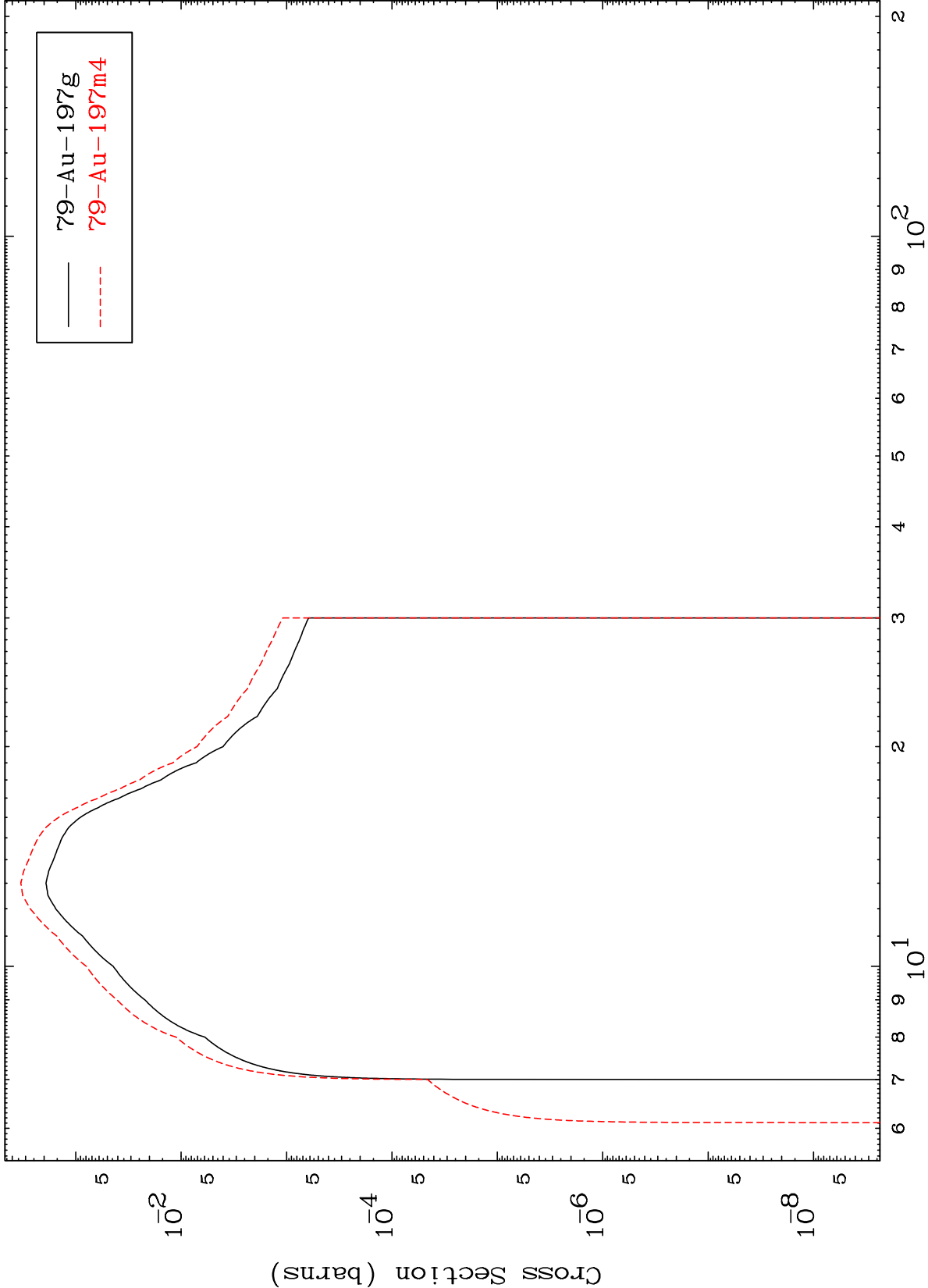




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⁷⁹Au-198m

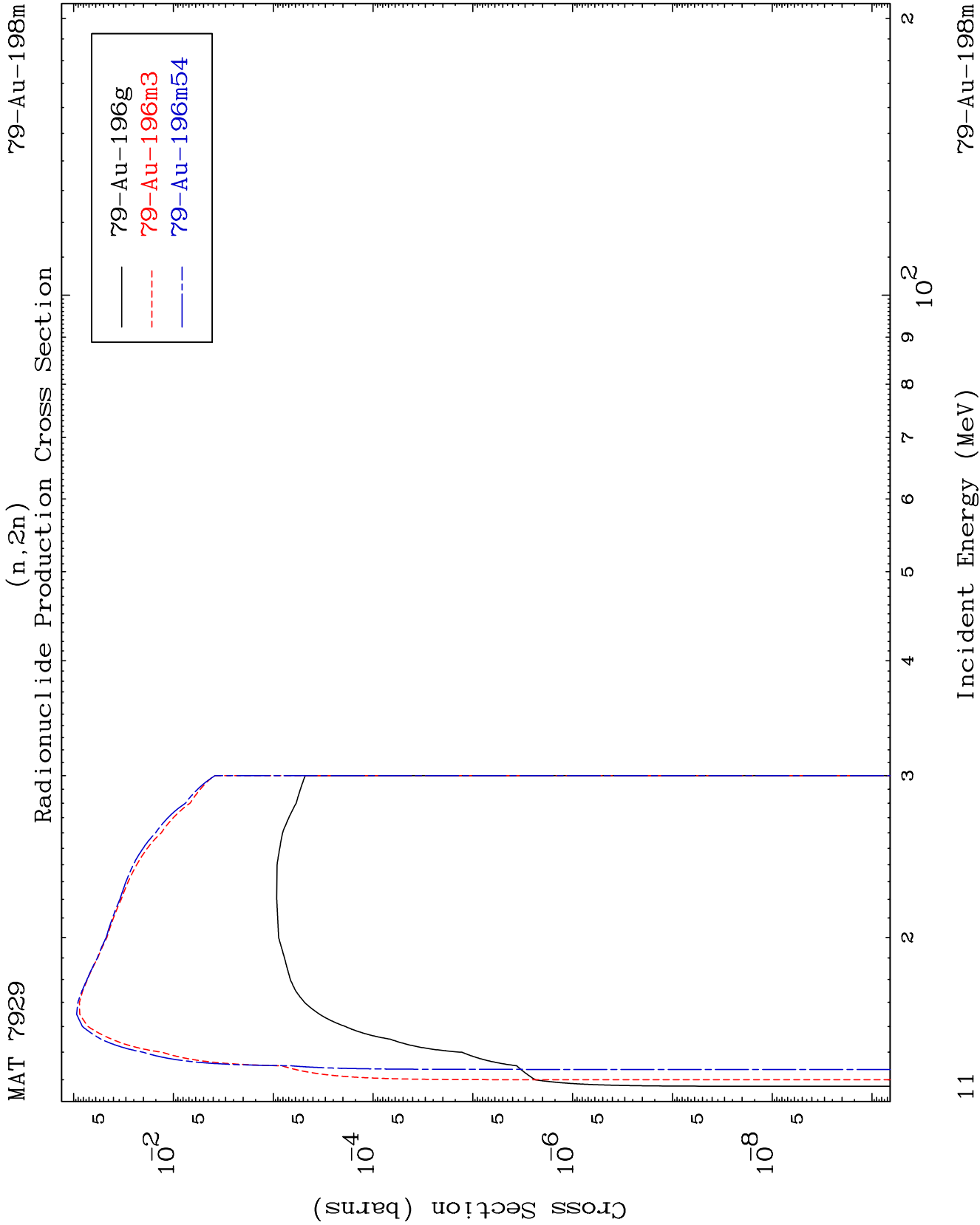
Inelastic
Radionuclide Production Cross Section

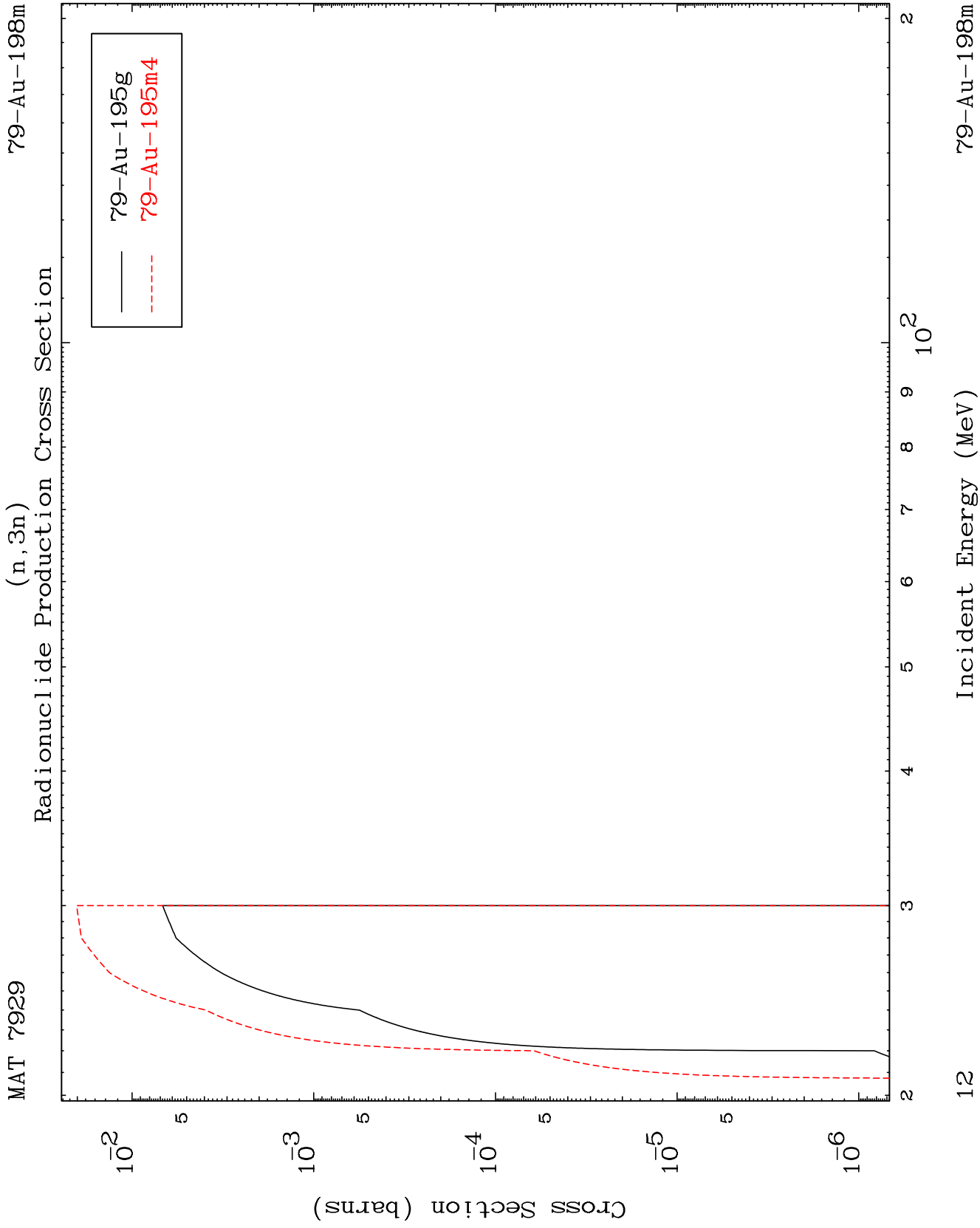


⁷⁹Au-198m

Incident Energy (MeV)

10



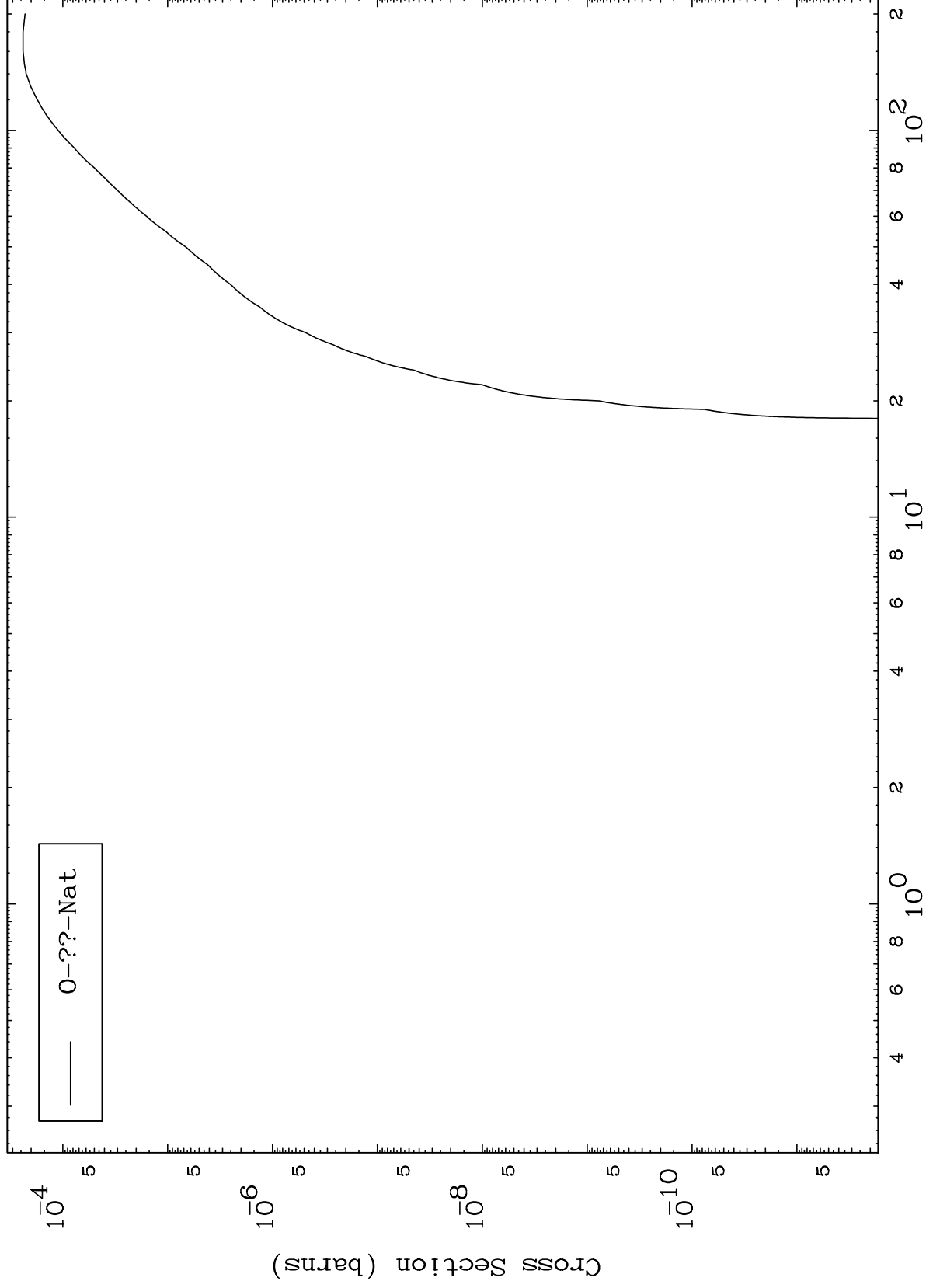


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Fission

⁷⁹Au-198m

Radionuclide Production Cross Section



13

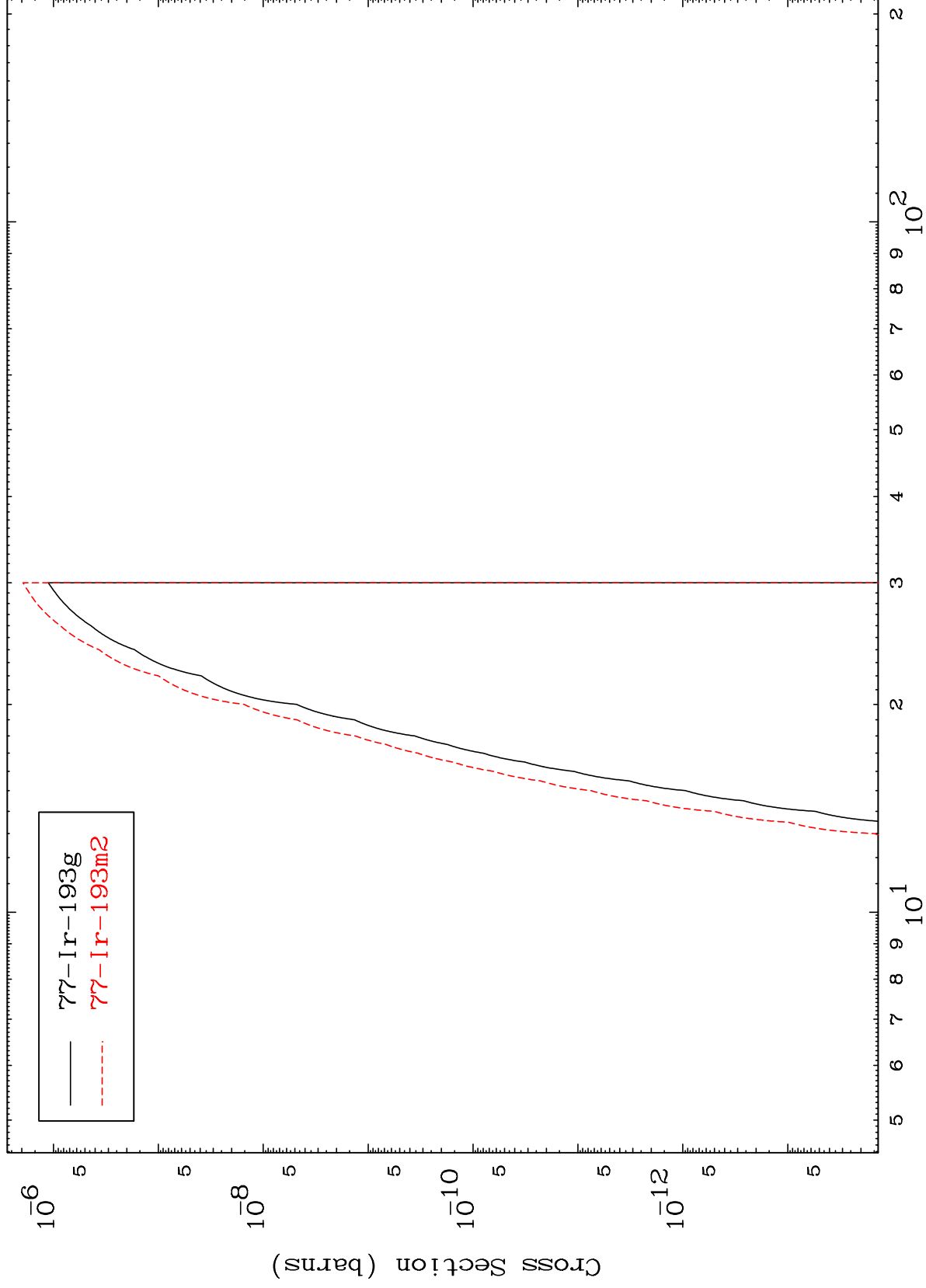
Incident Energy (MeV)

⁷⁹Au-198m

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⁷⁹Au-198m

(n,n') α
Radionuclide Production Cross Section



⁷⁹Au-198m

Incident Energy (MeV)

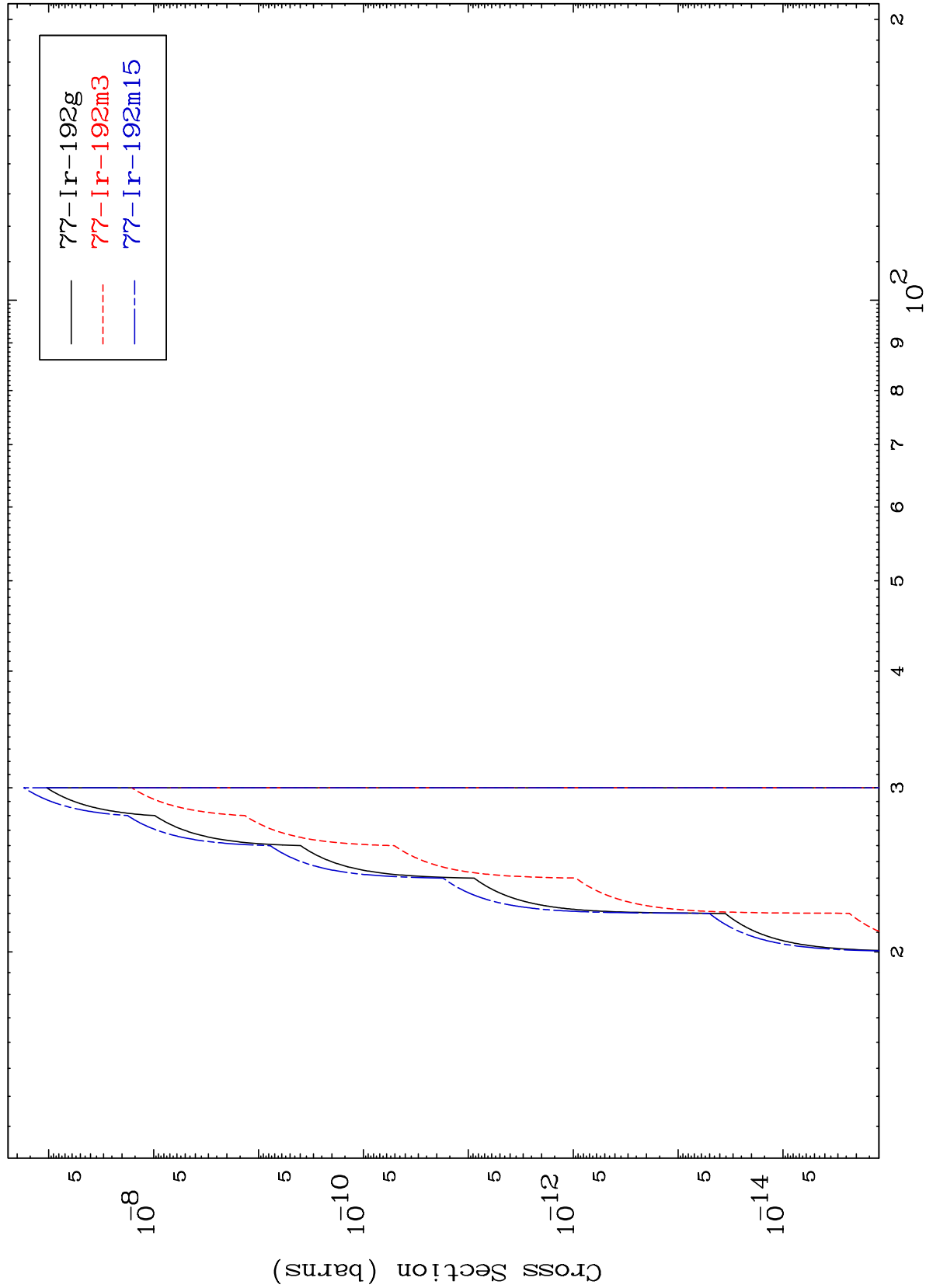
14

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$(n,2n) \alpha$

$^{79}\text{Au-198m}$

Radionuclide Production Cross Section



15

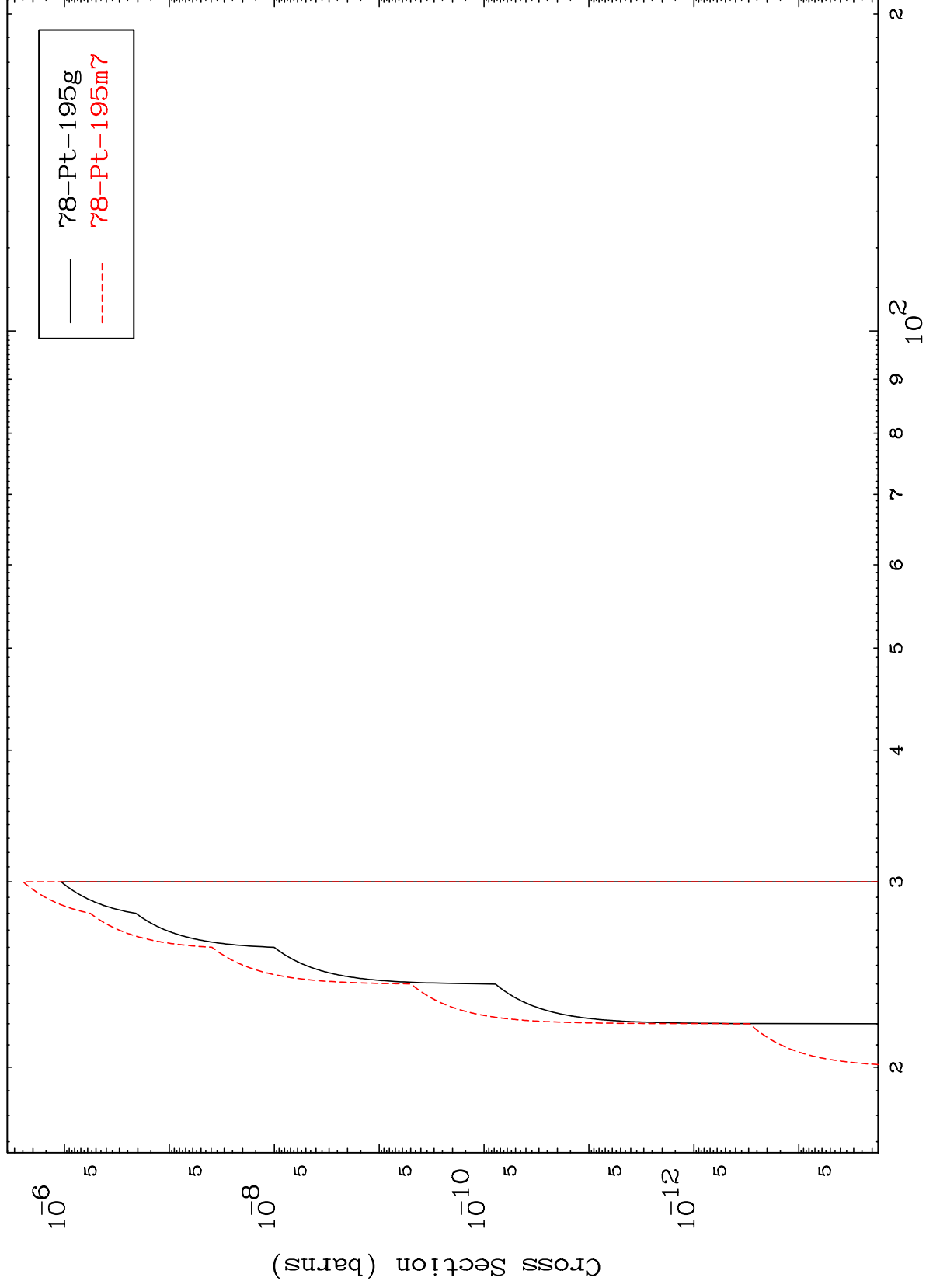
Incident Energy (MeV)

$^{79}\text{Au-198m}$

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⁷⁹Au-198m

(n,n') d
Radionuclide Production Cross Section



16

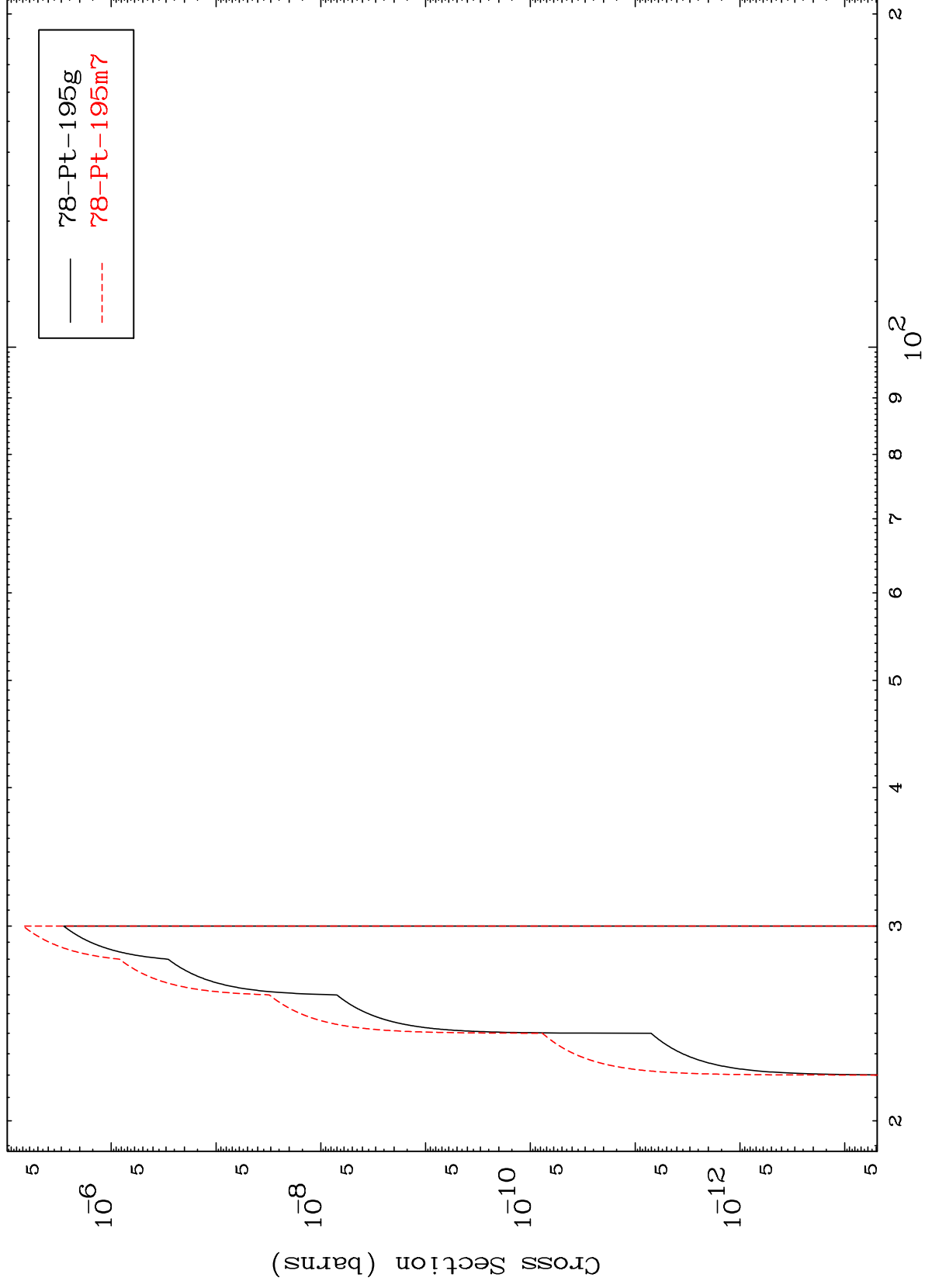
Incident Energy (MeV)

⁷⁹Au-198m

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⁷⁹Au-198m

(n,2n) p
Radionuclide Production Cross Section



17

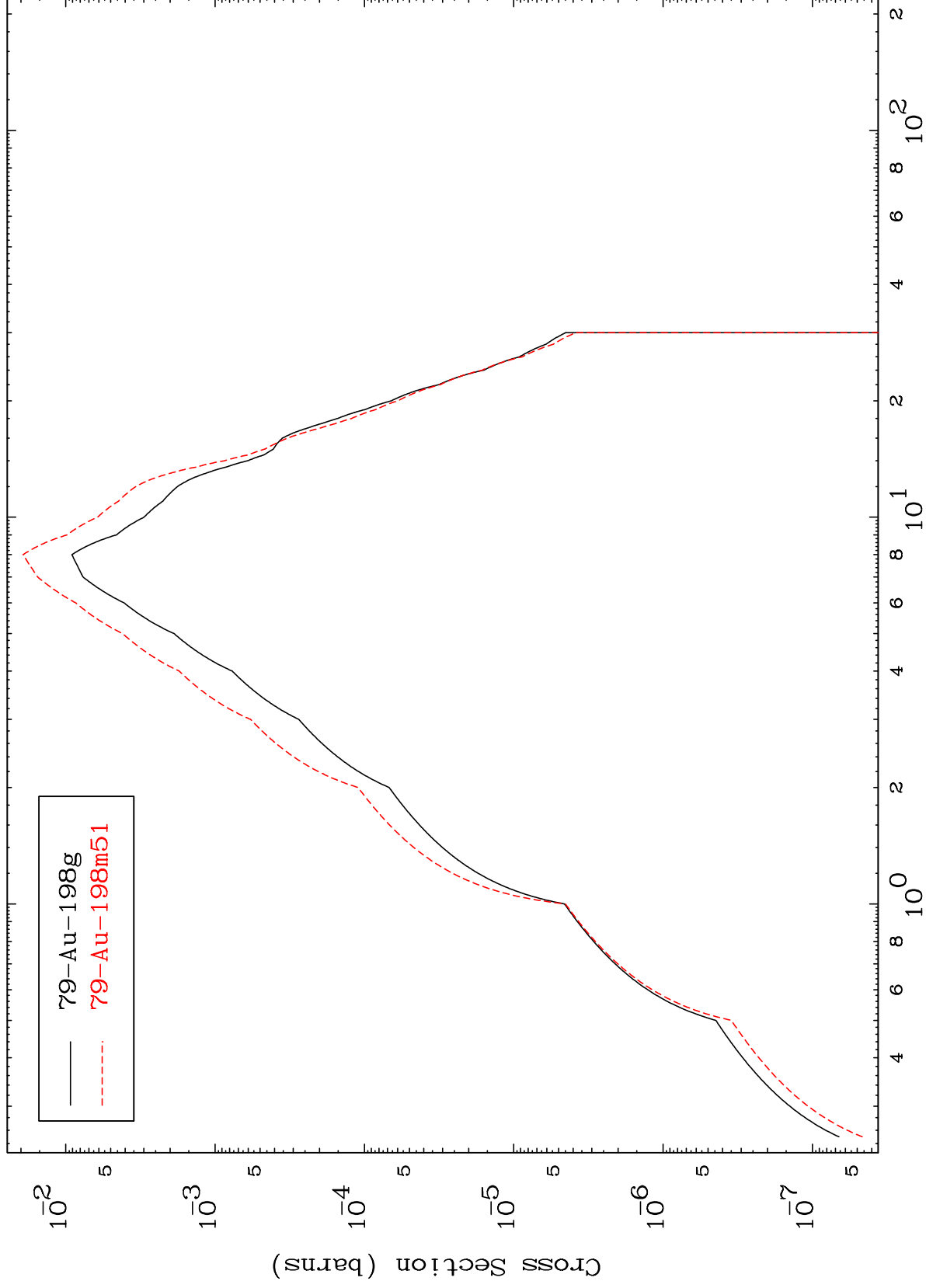
Incident Energy (MeV)

⁷⁹Au-198m

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⁷⁹Au-198m

Radionuclide Production Cross Section



⁷⁹Au-198m

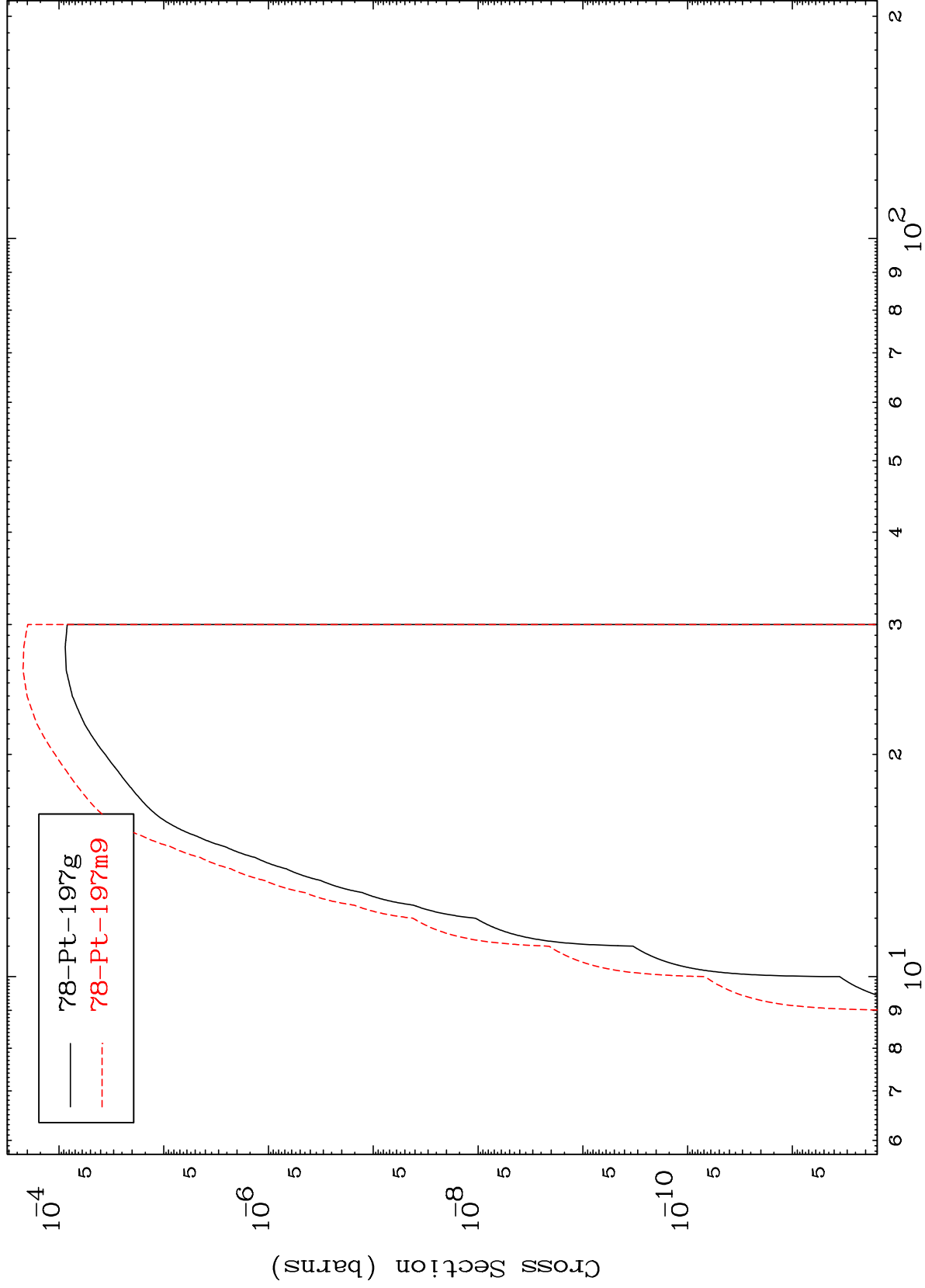
Incident Energy (MeV)

18

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⁷⁹Au-198m

Radionuclide Production Cross Section



19

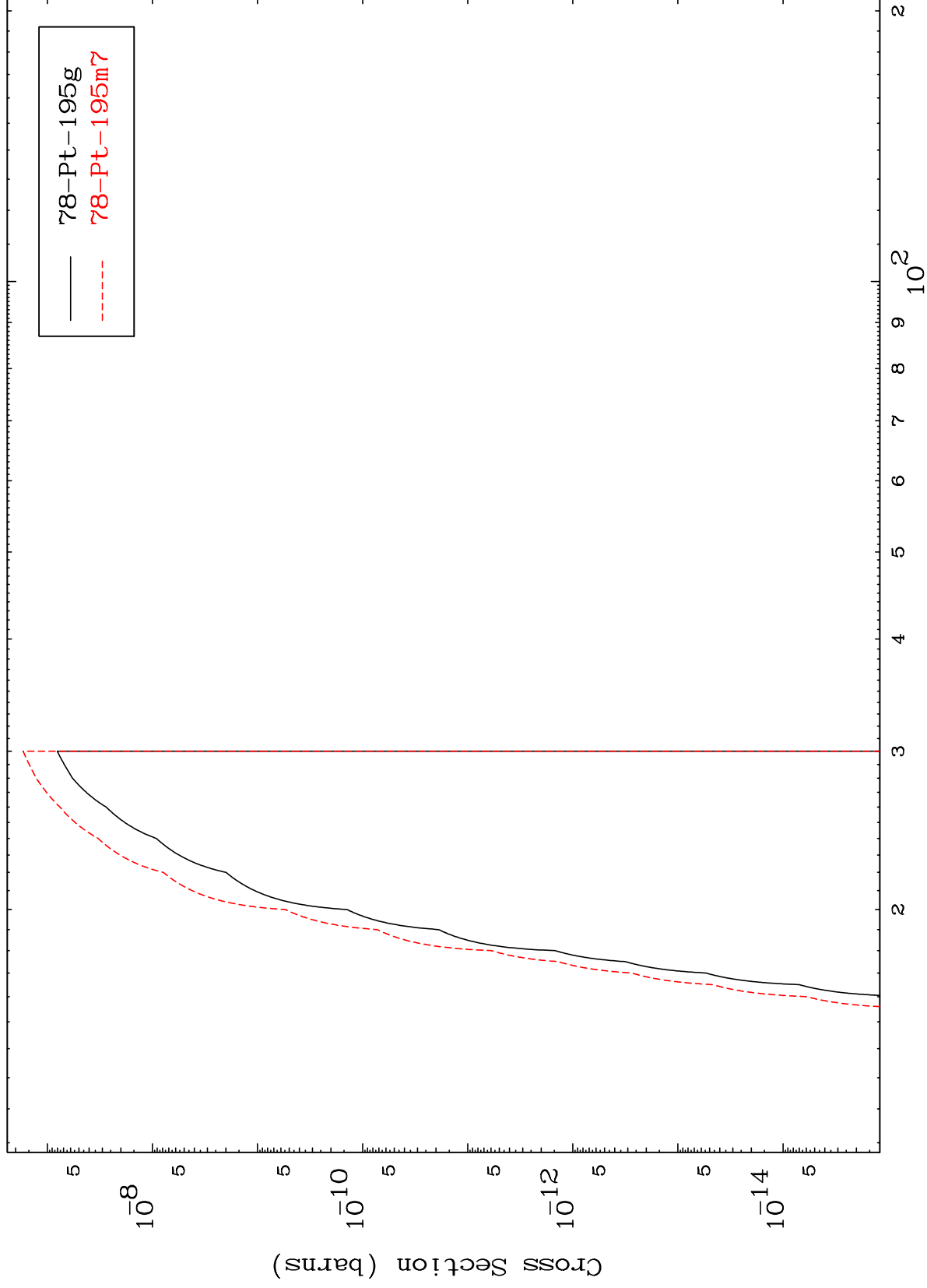
Incident Energy (MeV)

⁷⁹Au-198m

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⁷⁹Au-198m

(n,t)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

⁷⁹Au-198m

Radionuclide Production Cross Section (n, α)

