

Program EVALPLOT
(Version 2021-1)

by

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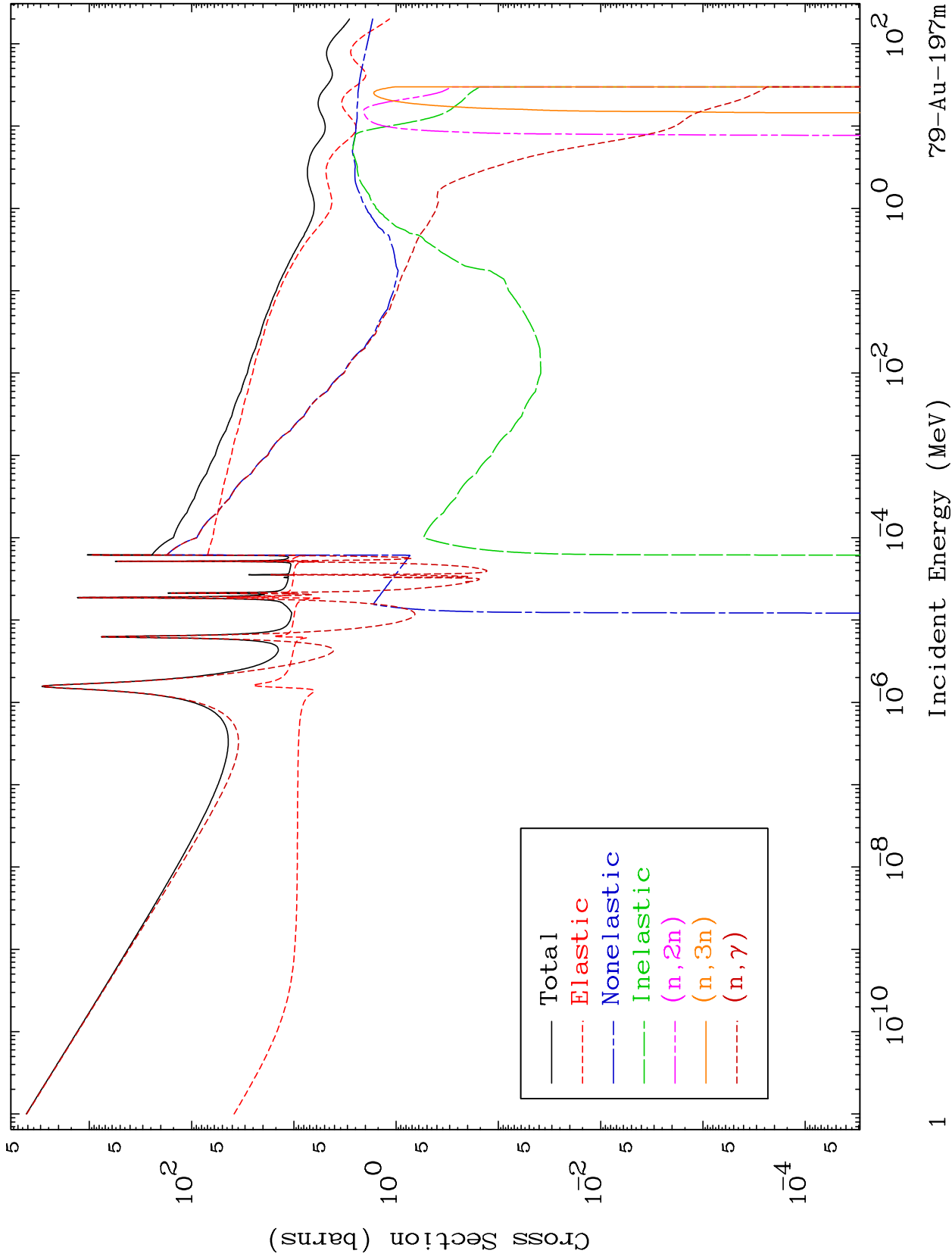
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7926

Neutron Major
293 Kelvin Cross Sections

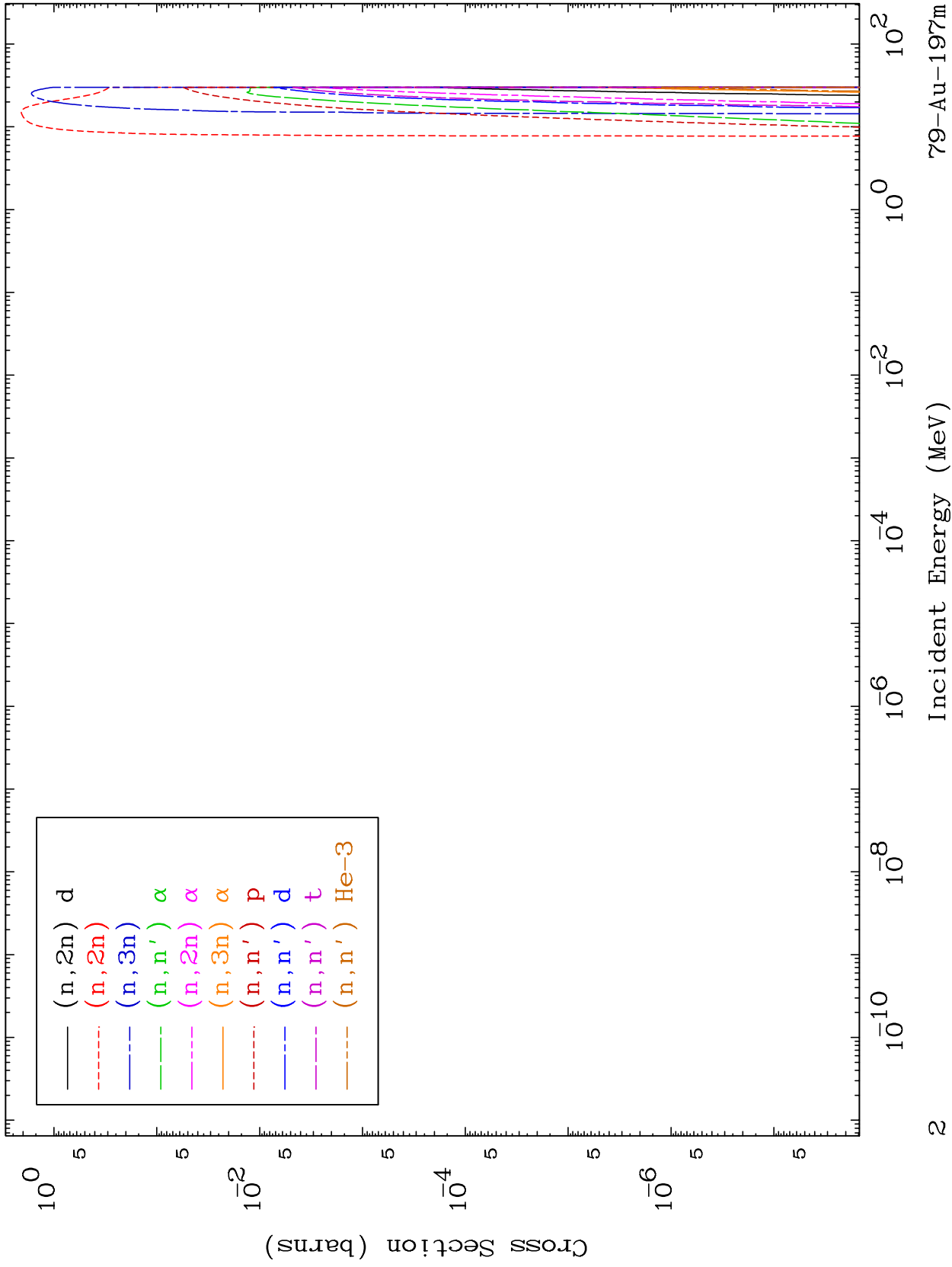
79-Au-197m



MAT 7926

Neutron Absorption
293 Kelvin Cross Sections

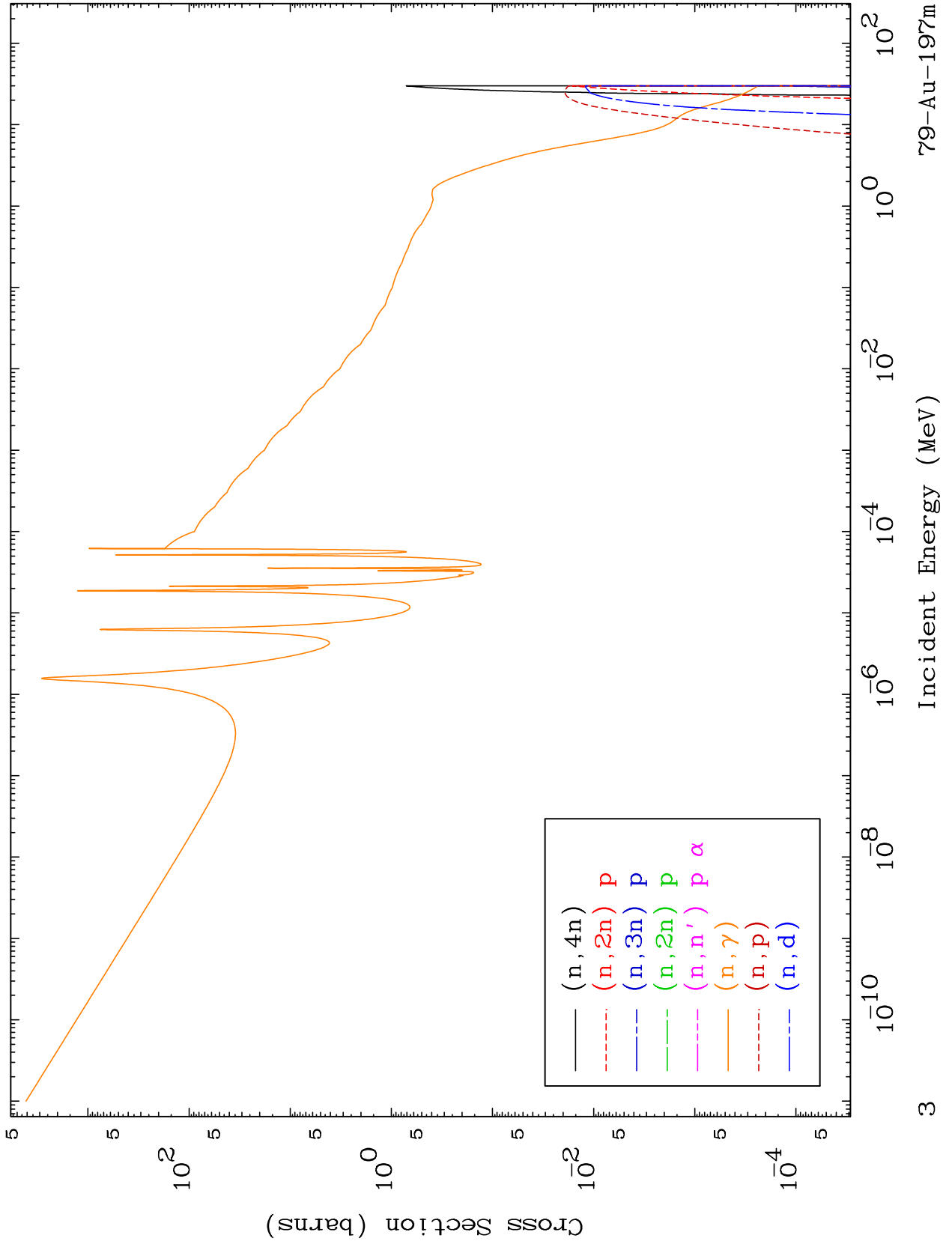
⁷⁹Au-197m



MAT 7926

Neutron Absorption
293 Kelvin Cross Sections

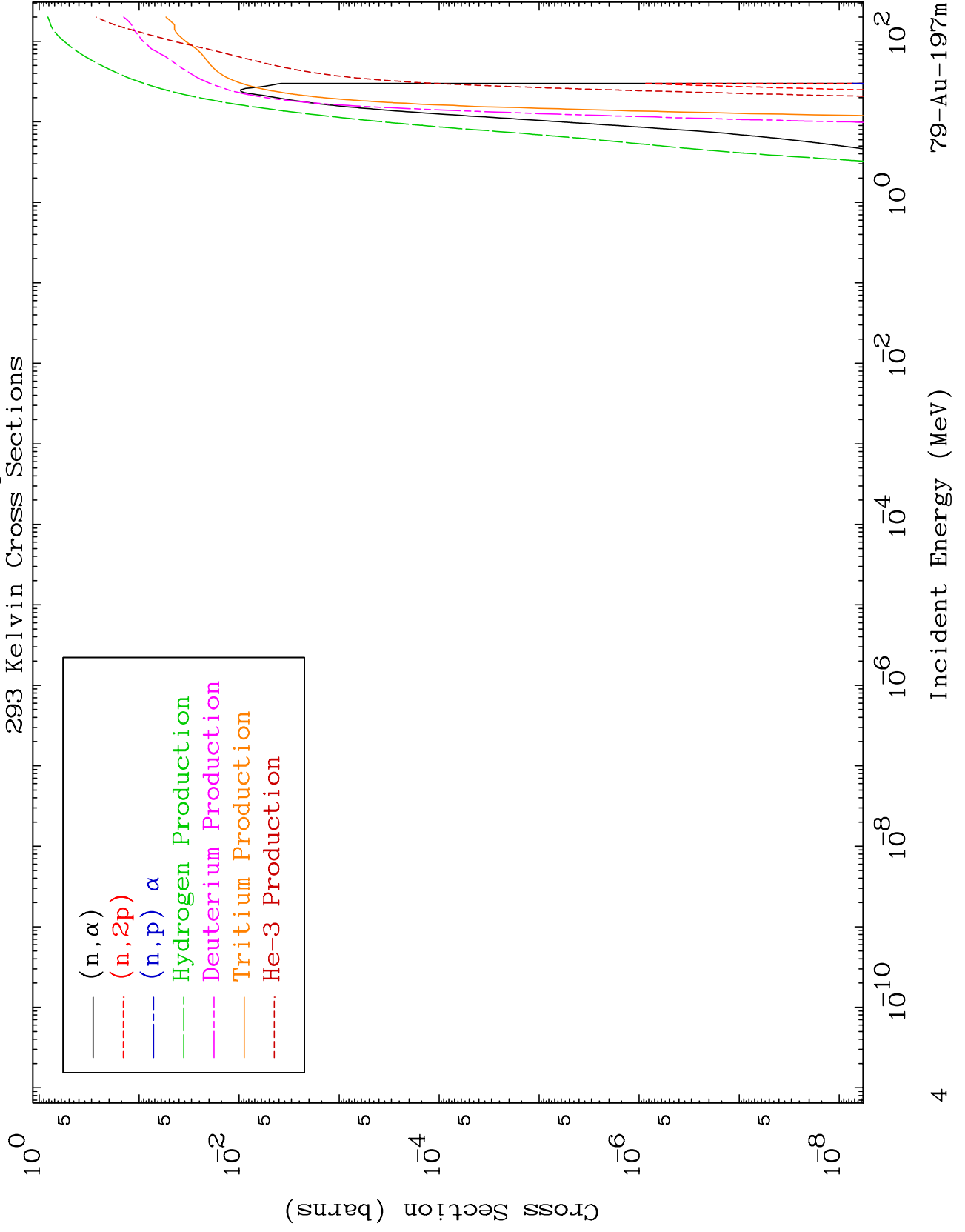
⁷⁹Au-197m



MAT 7926

Neutron Absorption
293 Kelvin Cross Sections

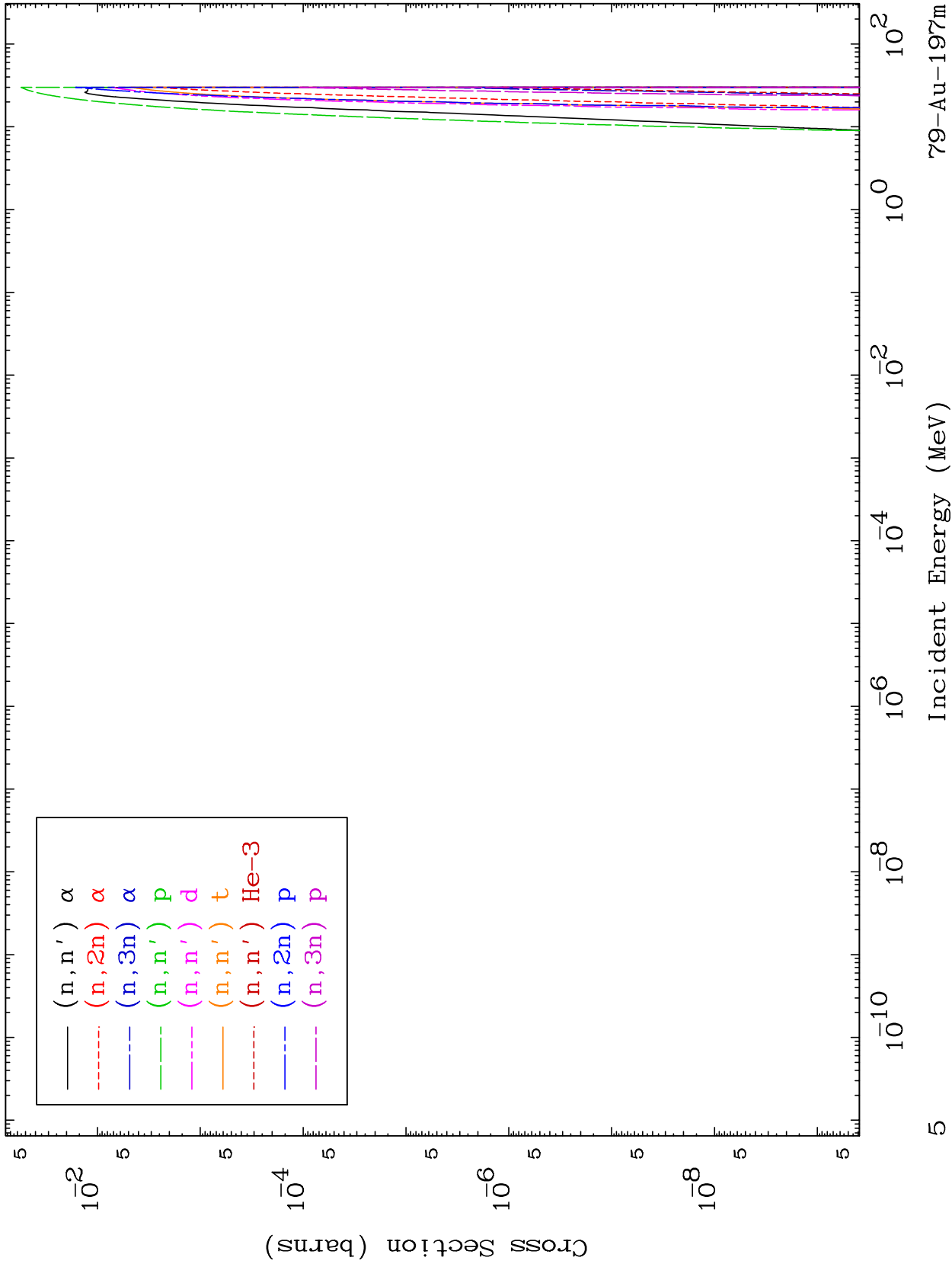
⁷⁹Au-197m



MAT 7926

Charged Particle
293 Kelvin Cross Sections

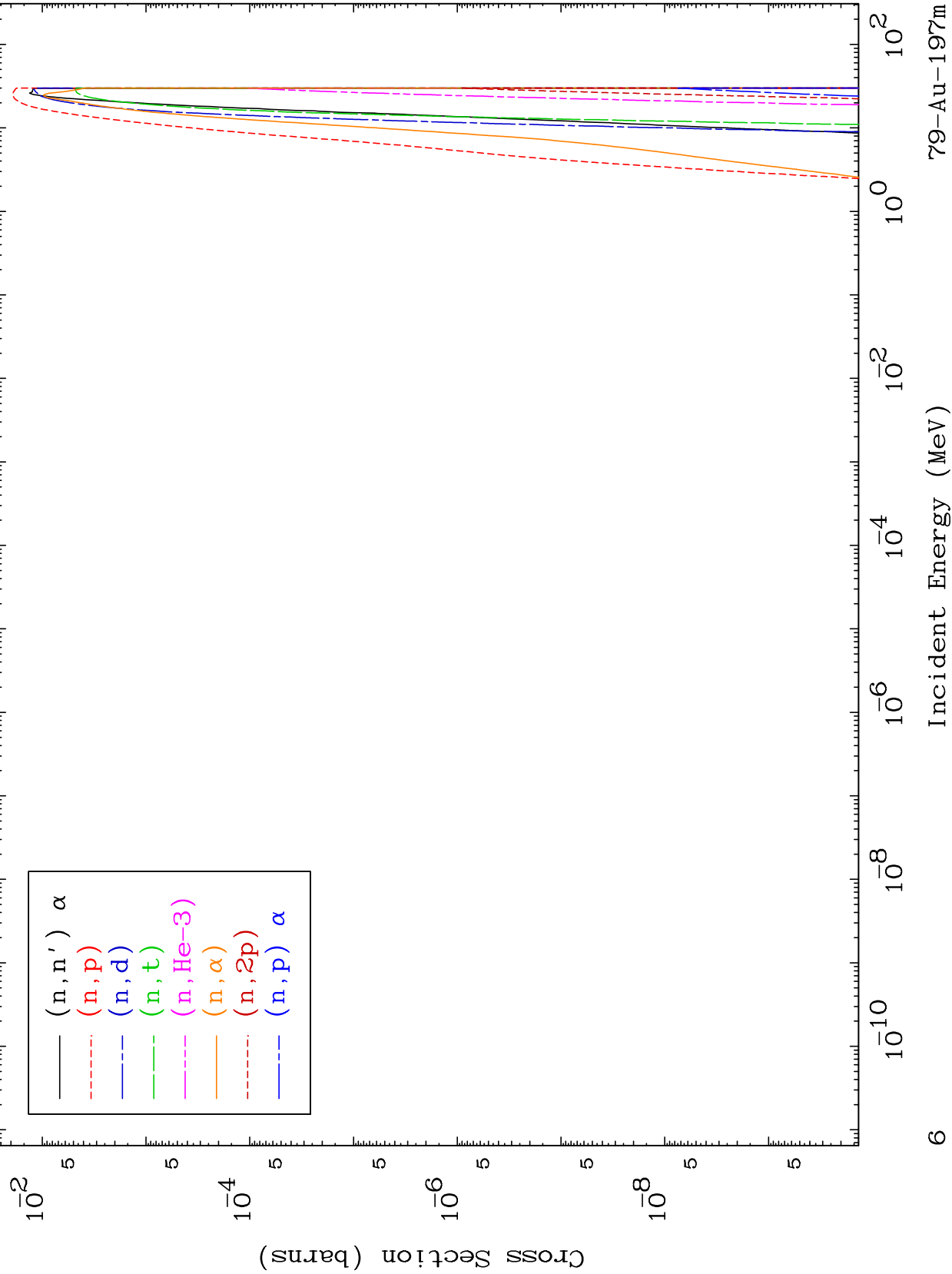
79-Au-197m



MAT 7926

Charged Particle
293 Kelvin Cross Sections

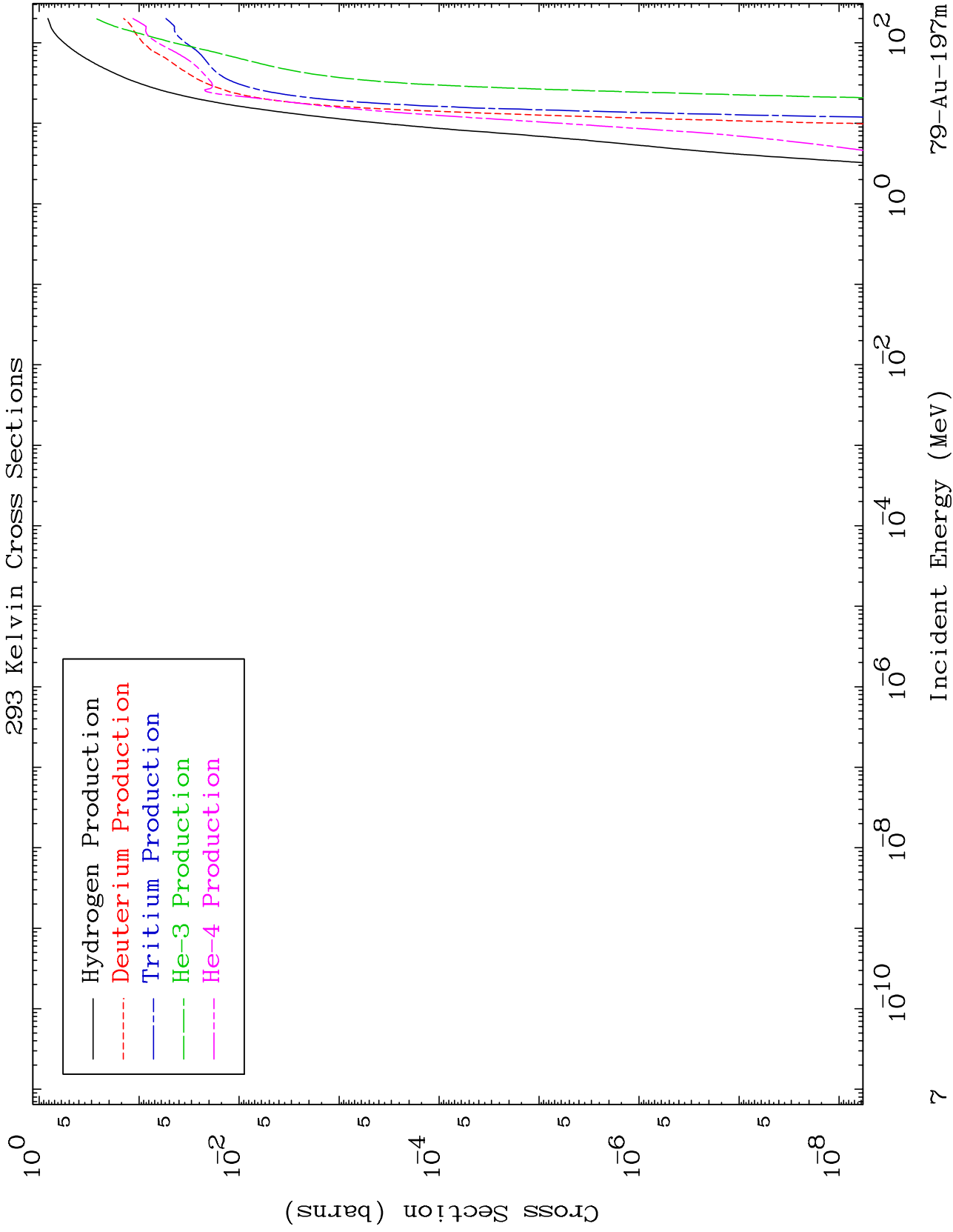
79-Au-197m



MAT 7926

Particle Production
293 Kelvin Cross Sections

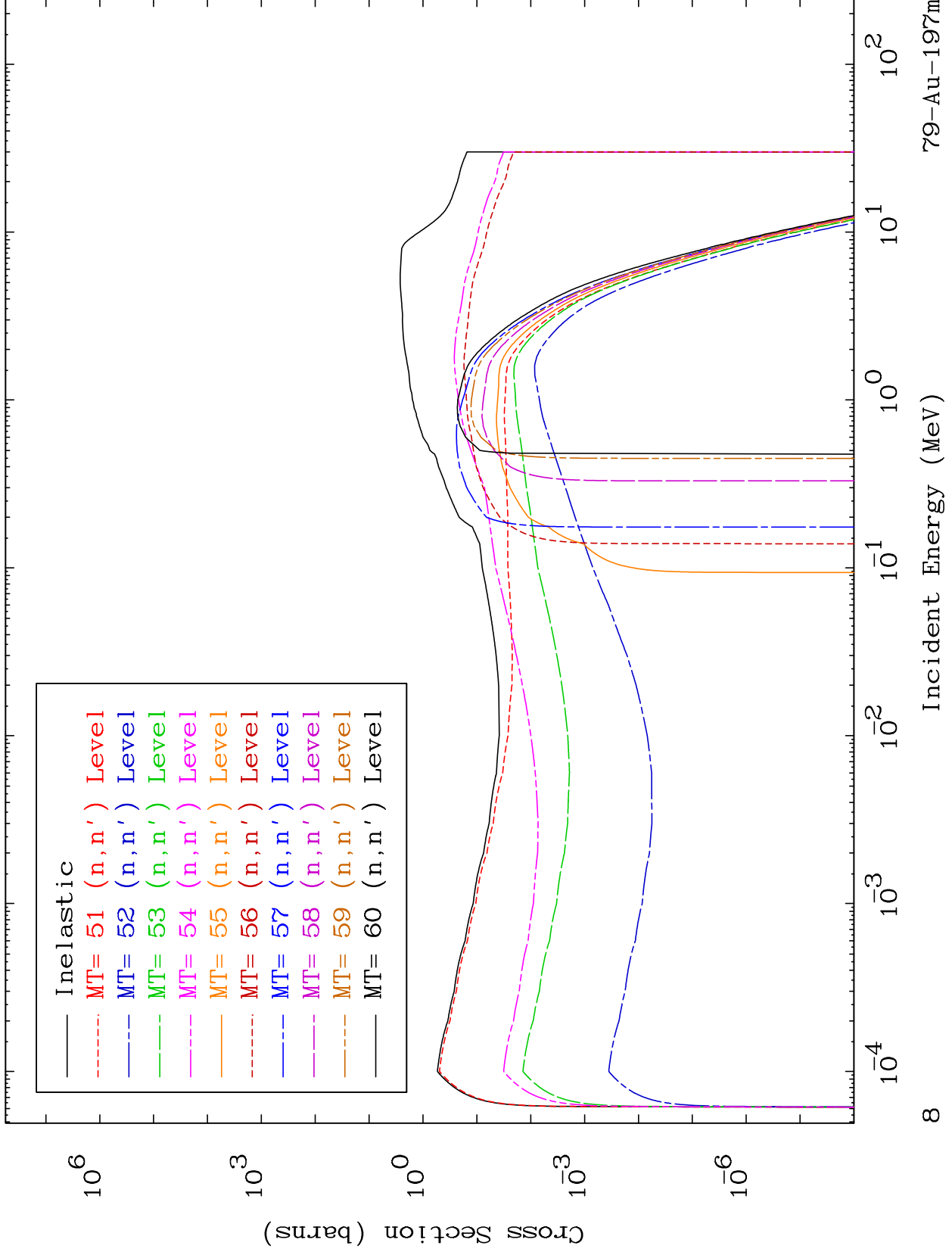
⁷⁹Au-197m



MAT 7926

(n,n') Levels
293 Kelvin Cross Sections

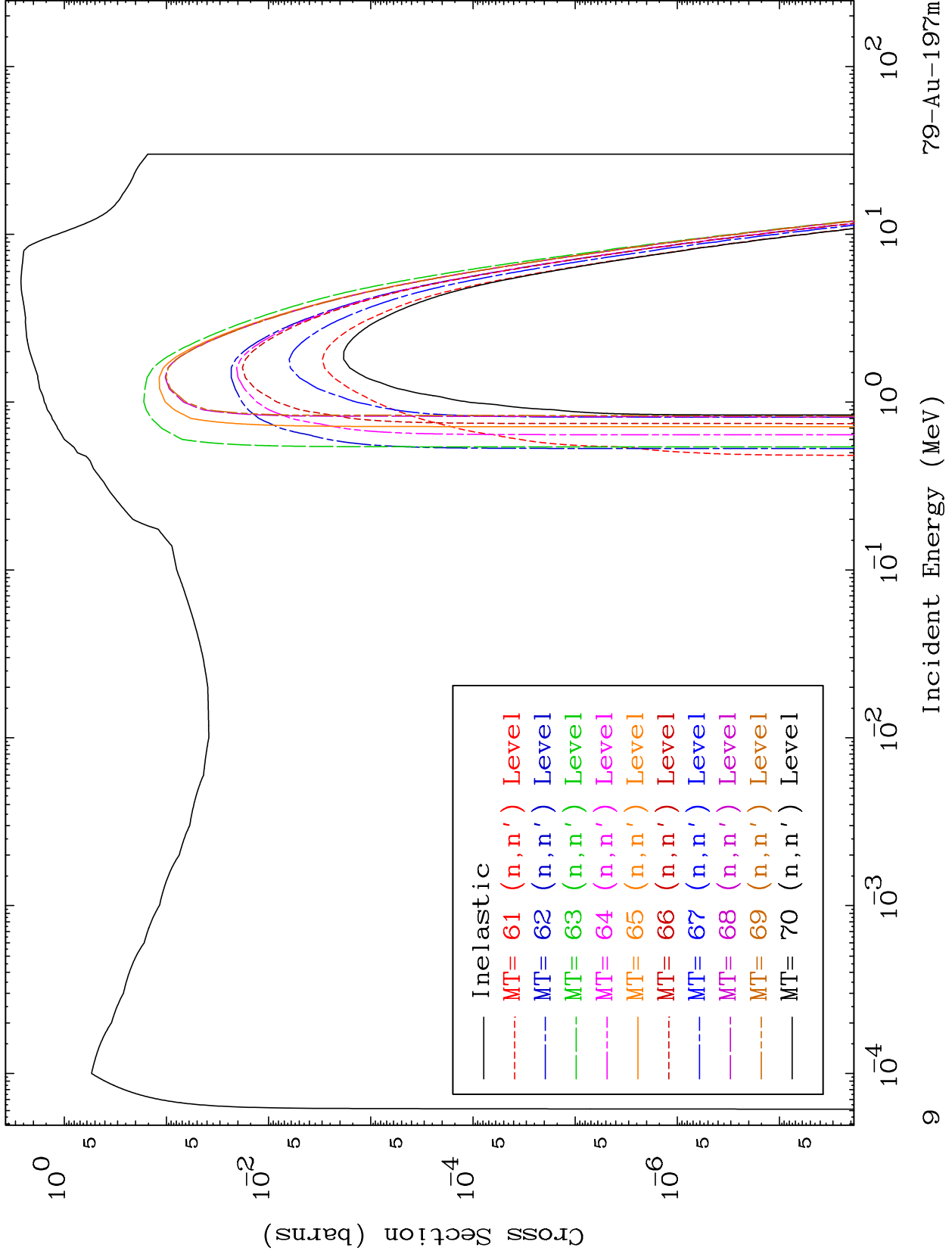
79-Au-197m



MAT 7926

293 Kelvin Cross Sections
(n,n') Levels

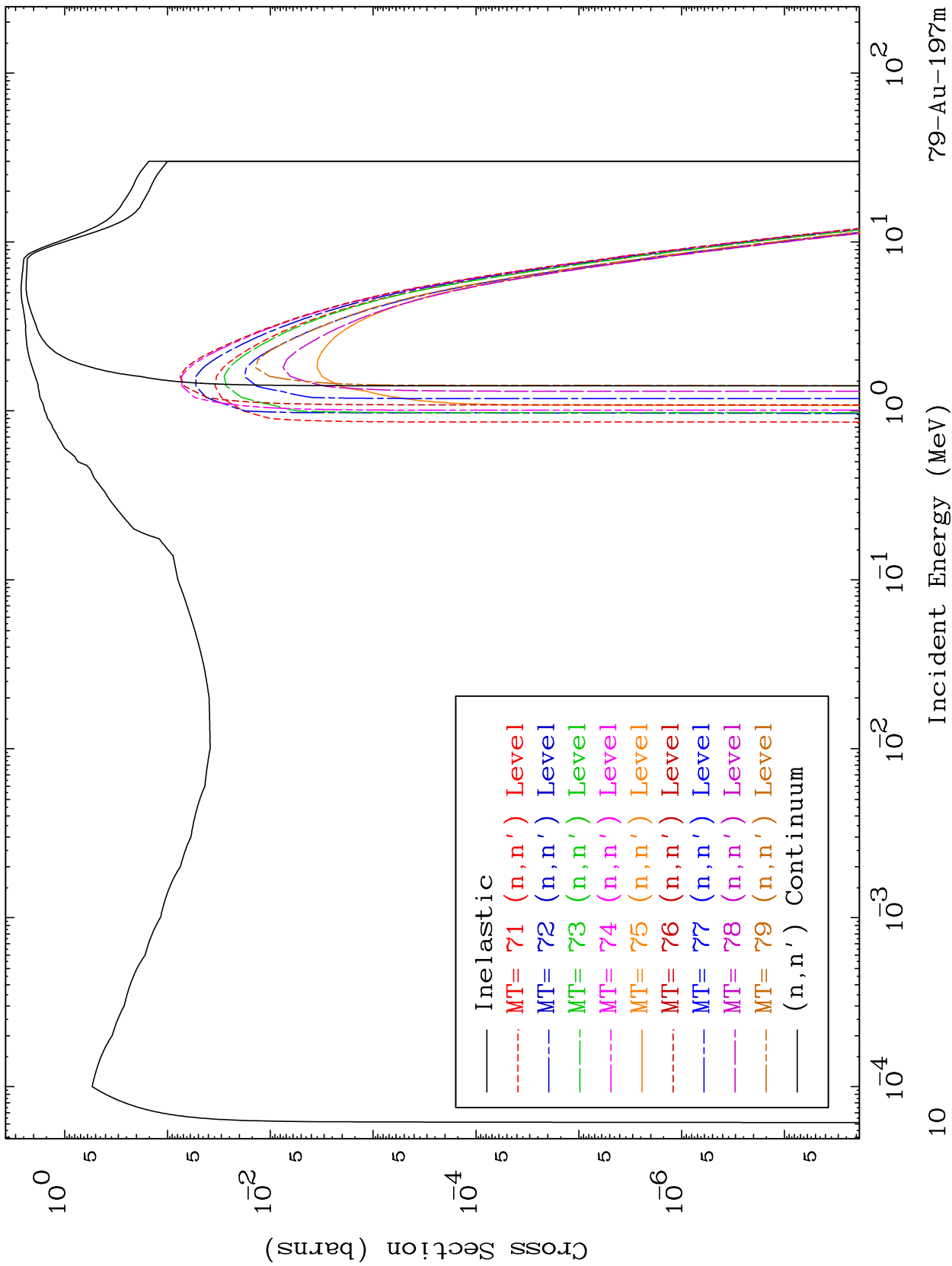
⁷⁹Au-197m



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(n,n') Levels
293 Kelvin Cross Sections

⁷⁹Au-197m



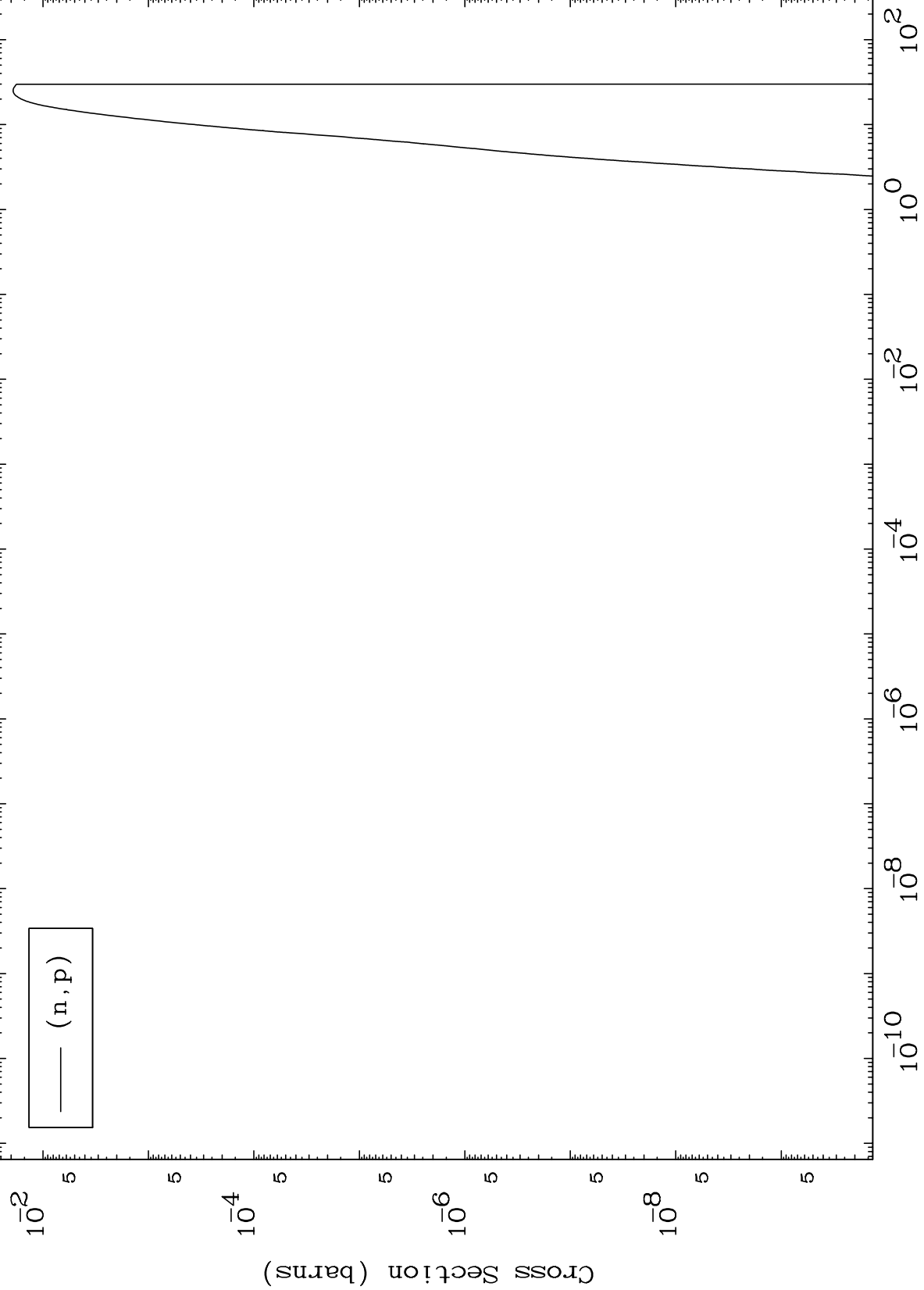
⁷⁹Au-197m

Incident Energy (MeV)

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(n,p) Levels
293 Kelvin Cross Sections

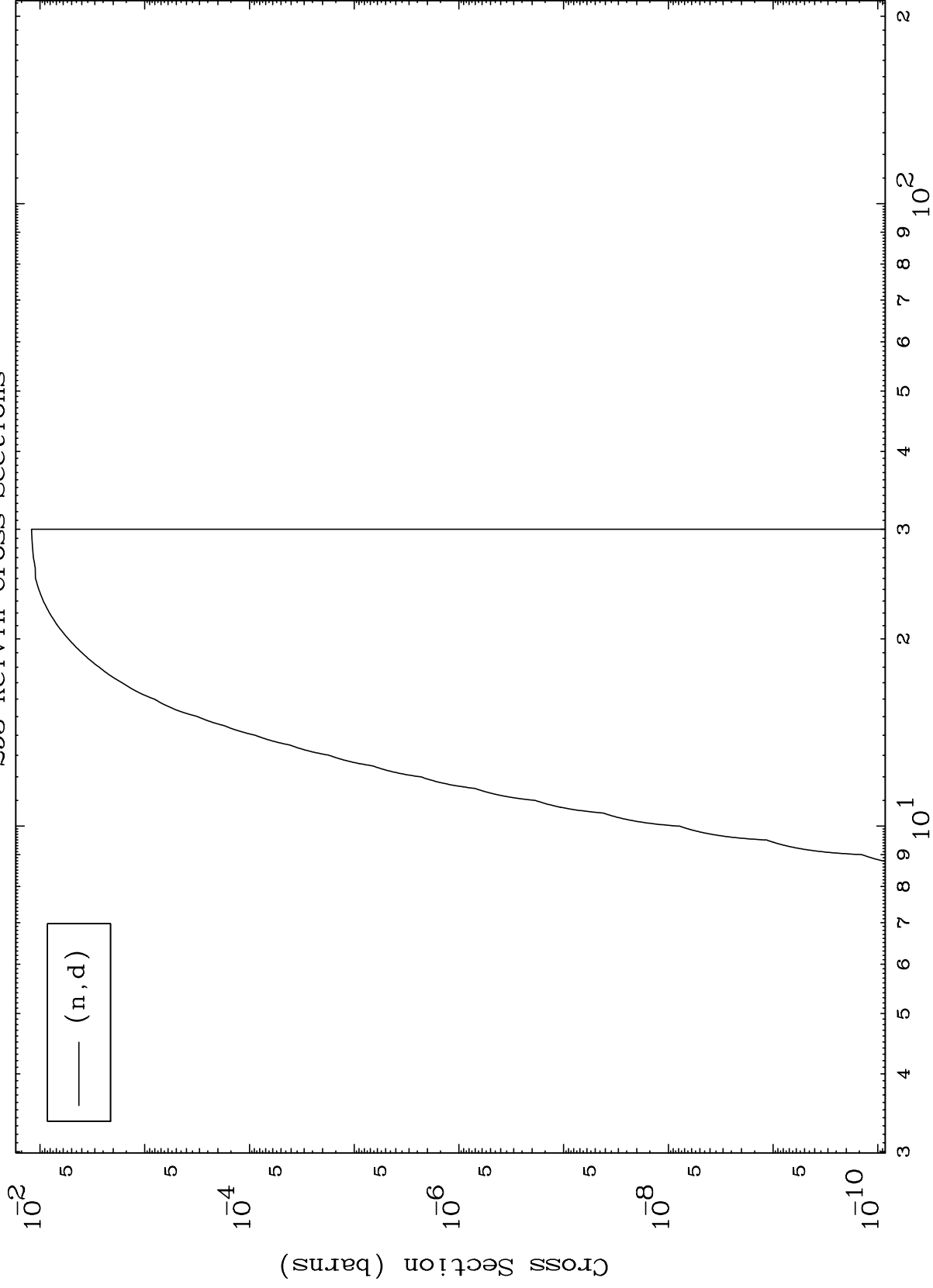
⁷⁹Au-197m



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(n,d) Levels
293 Kelvin Cross Sections

79-Au-197m



12

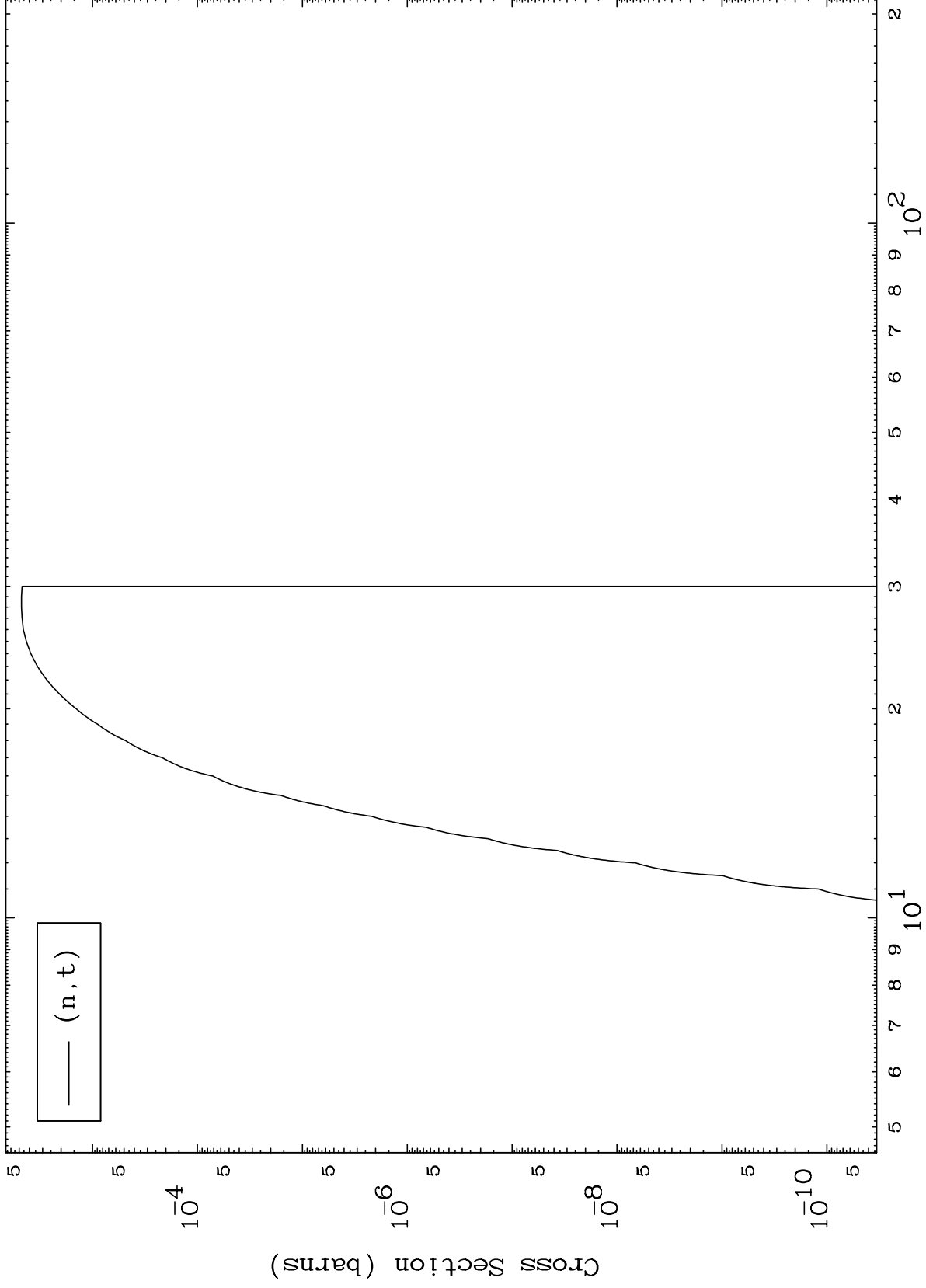
Incident Energy (MeV)

79-Au-197m

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(n,t) Levels
293 Kelvin Cross Sections

⁷⁹Au-197m



13

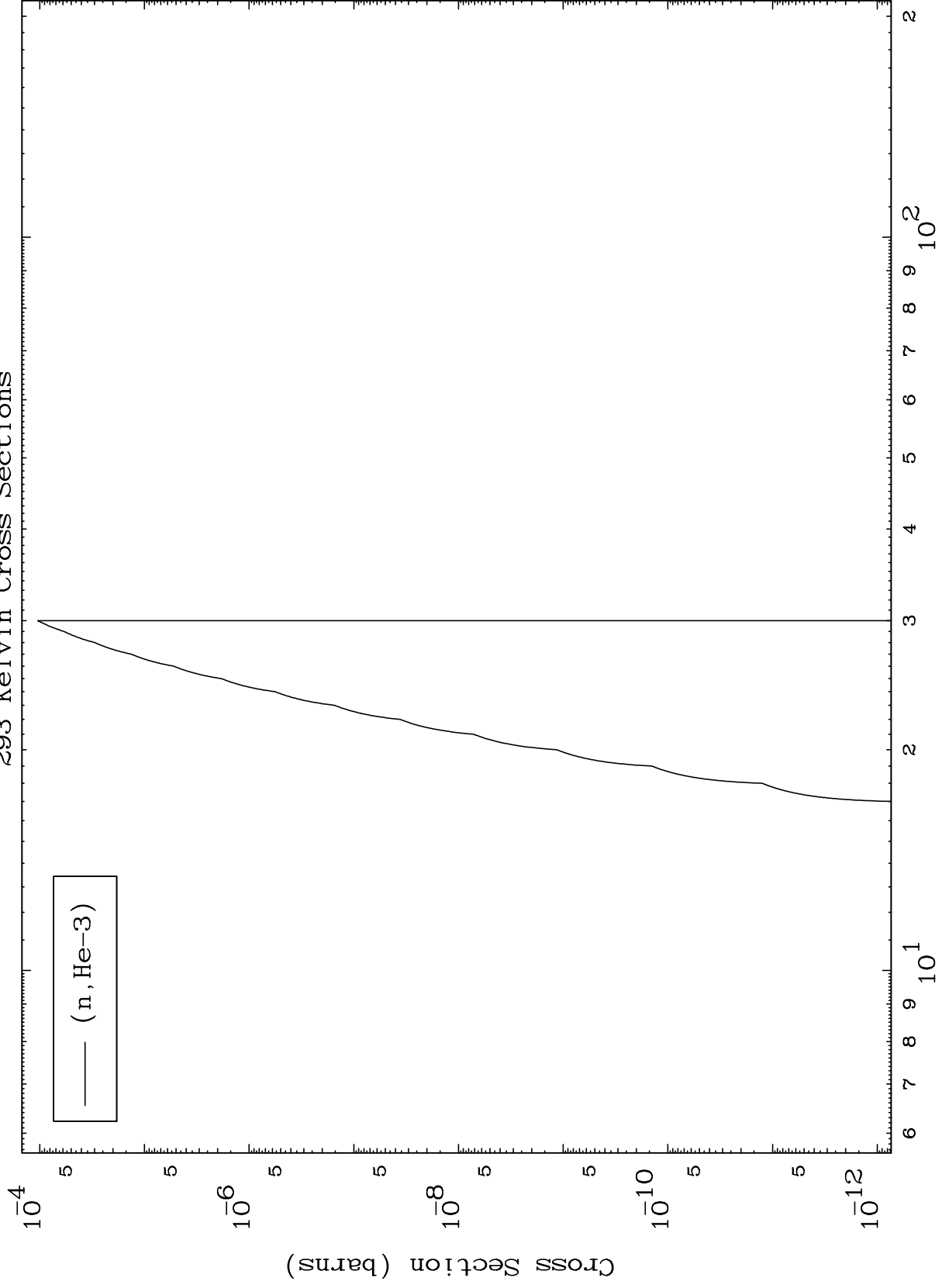
Incident Energy (MeV)

⁷⁹Au-197m

MAT 7926

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-197m



14

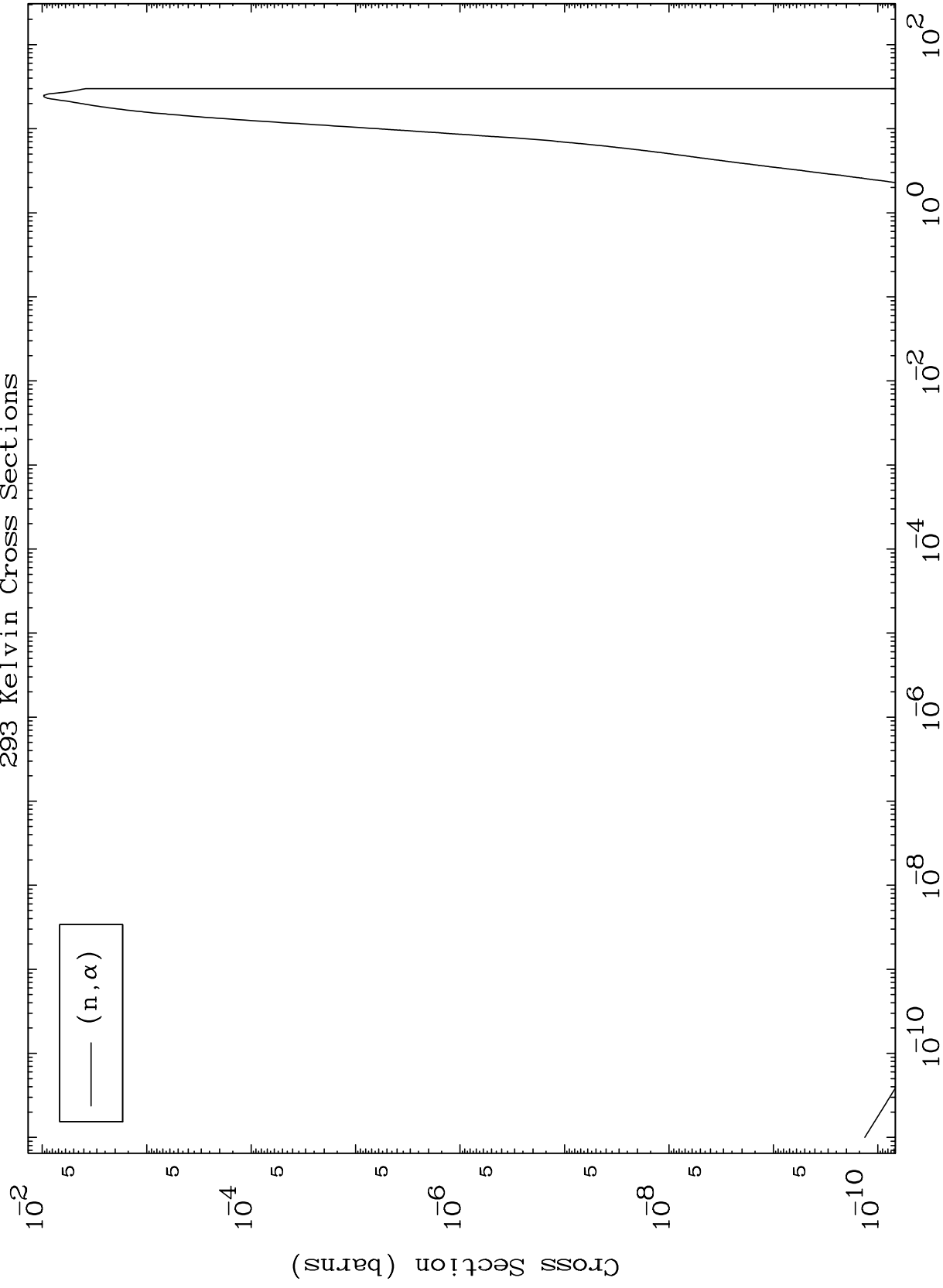
Incident Energy (MeV)

79-Au-197m

MAT 7926

(n, α) Levels
293 Kelvin Cross Sections

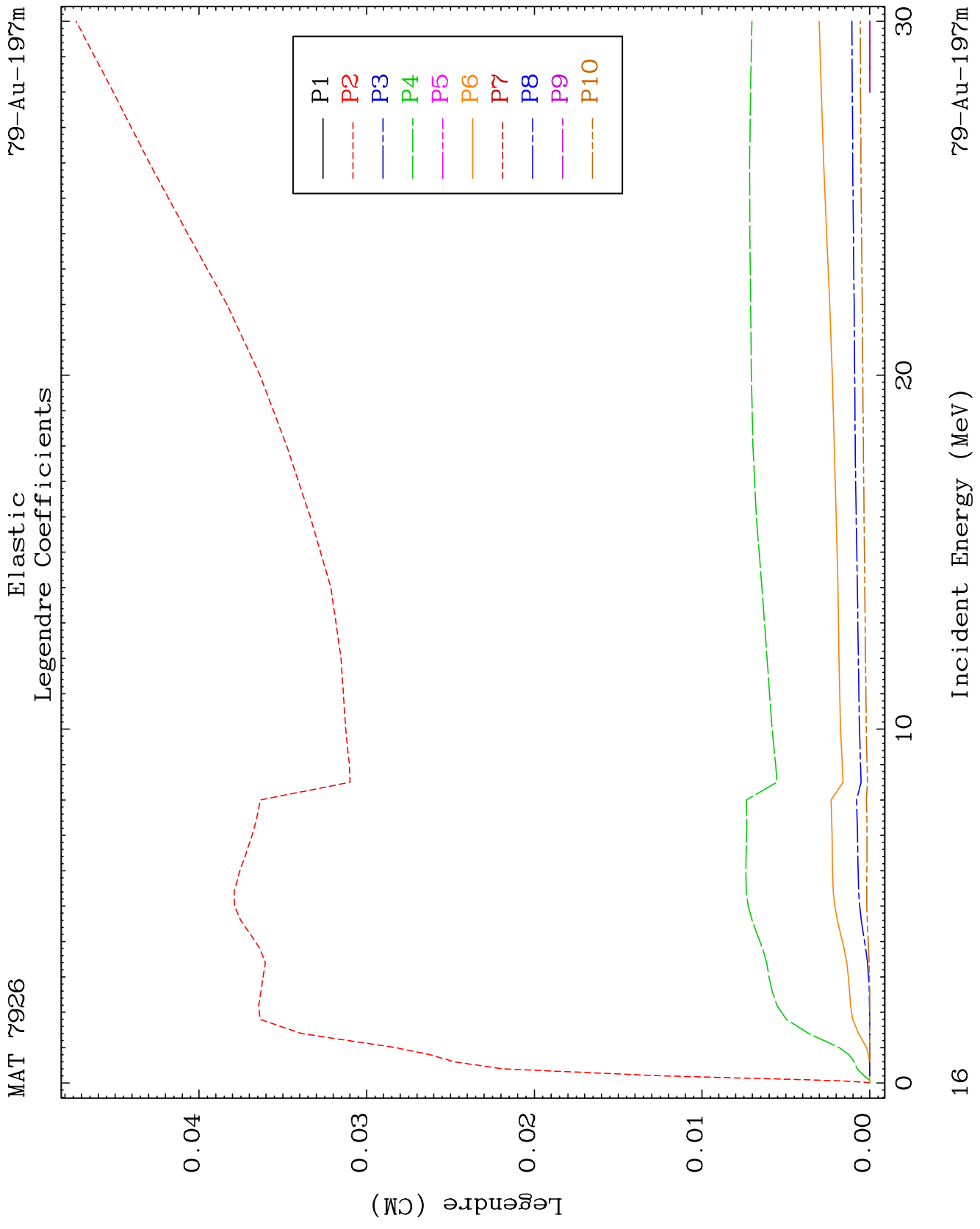
⁷⁹Au-197m



Incident Energy (MeV)

⁷⁹Au-197m

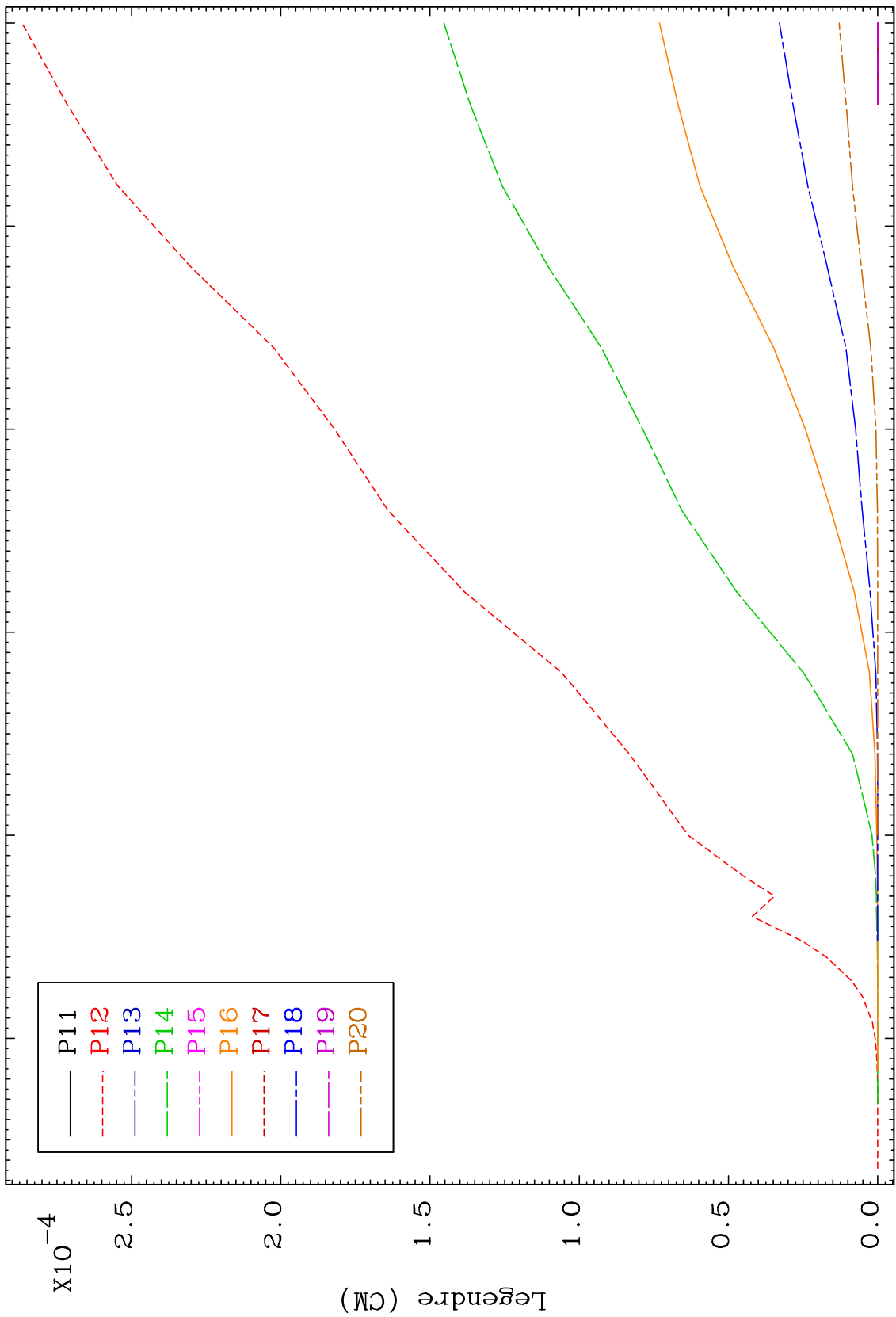
15



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Elastic Legendre Coefficients

79-Au-197m



17

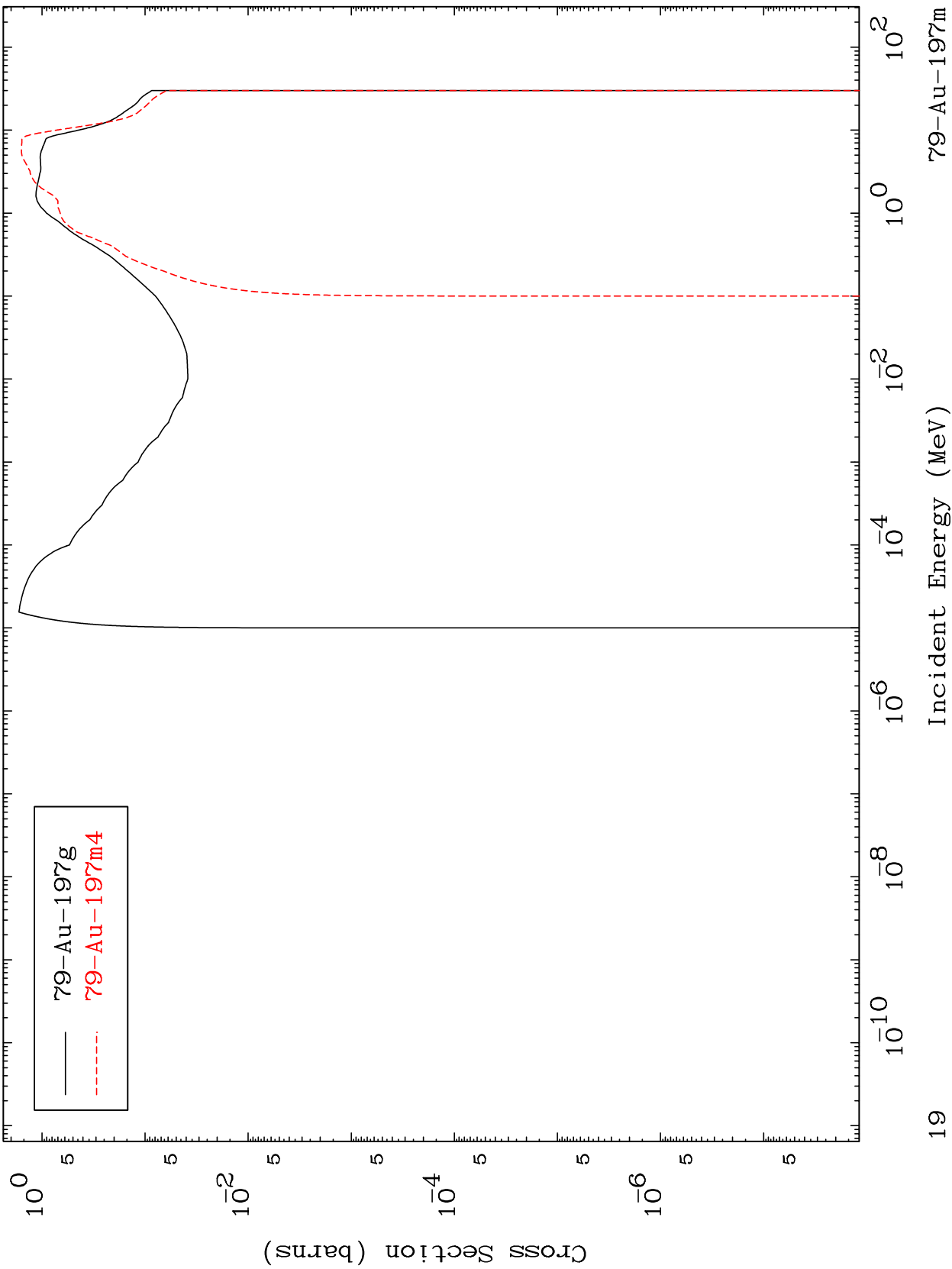
79-Au-197m

Incident Energy (MeV)

MAT 7926

⁷⁹Au-197m

Inelastic
Radionuclide Production Cross Section

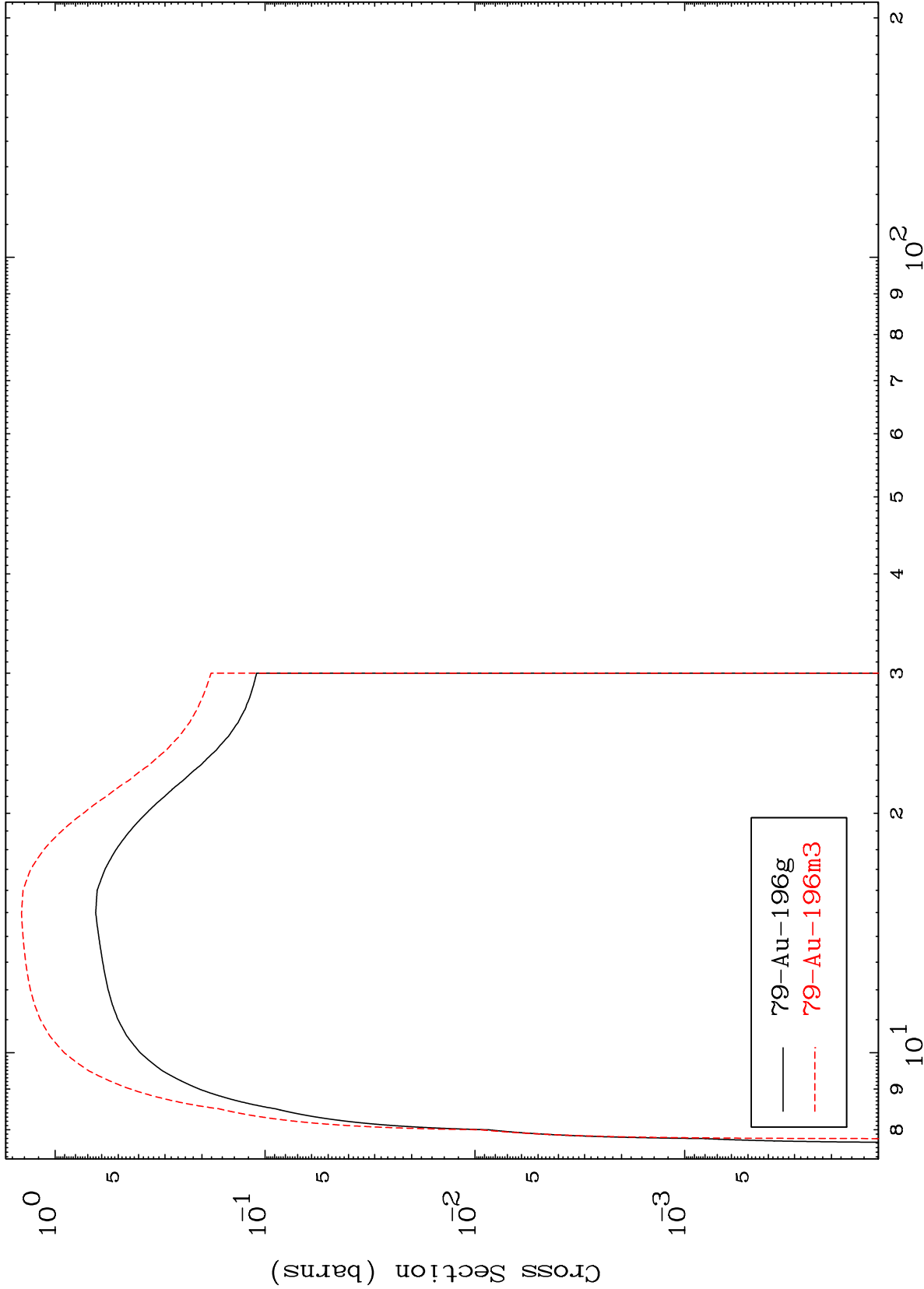


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(n,2n)

⁷⁹Au-197m

Radionuclide Production Cross Section



— ⁷⁹Au-196g
- - - ⁷⁹Au-196m3

20

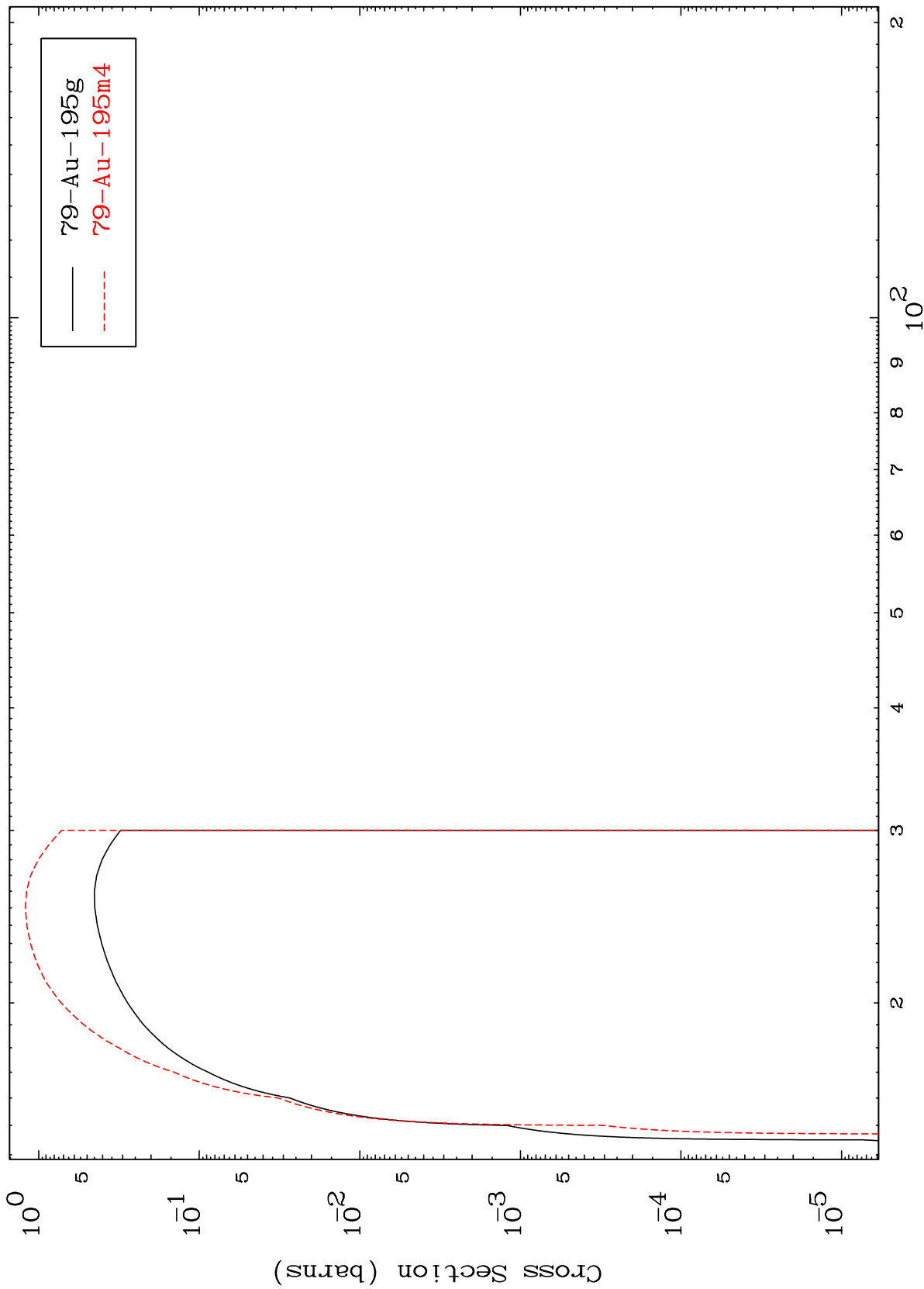
Incident Energy (MeV)

⁷⁹Au-197m

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⁷⁹Au-197m

(n,3n)
Radionuclide Production Cross Section



⁷⁹Au-197m

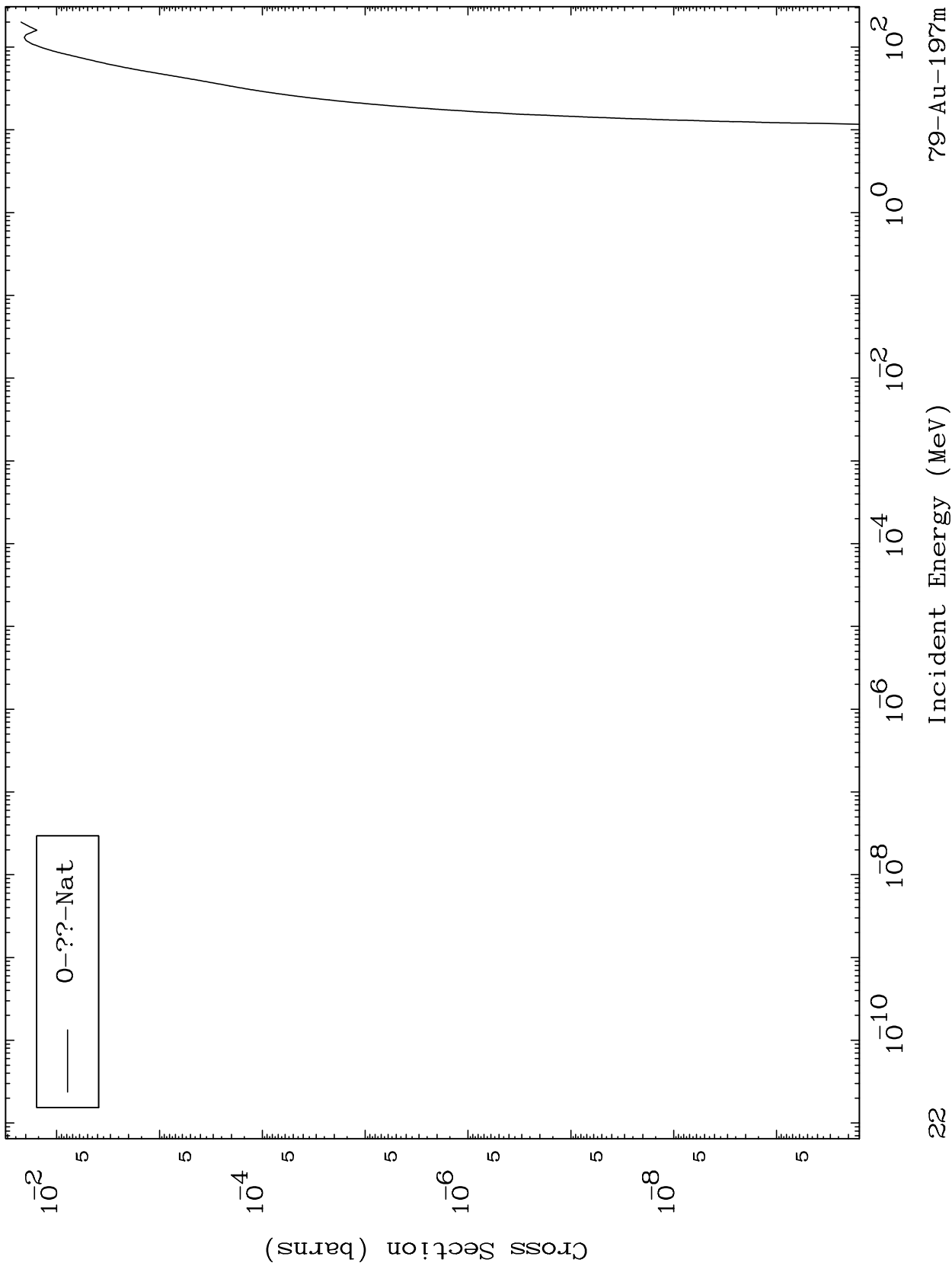
Incident Energy (MeV)

21

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Fission
Radionuclide Production Cross Section

⁷⁹Au-197m

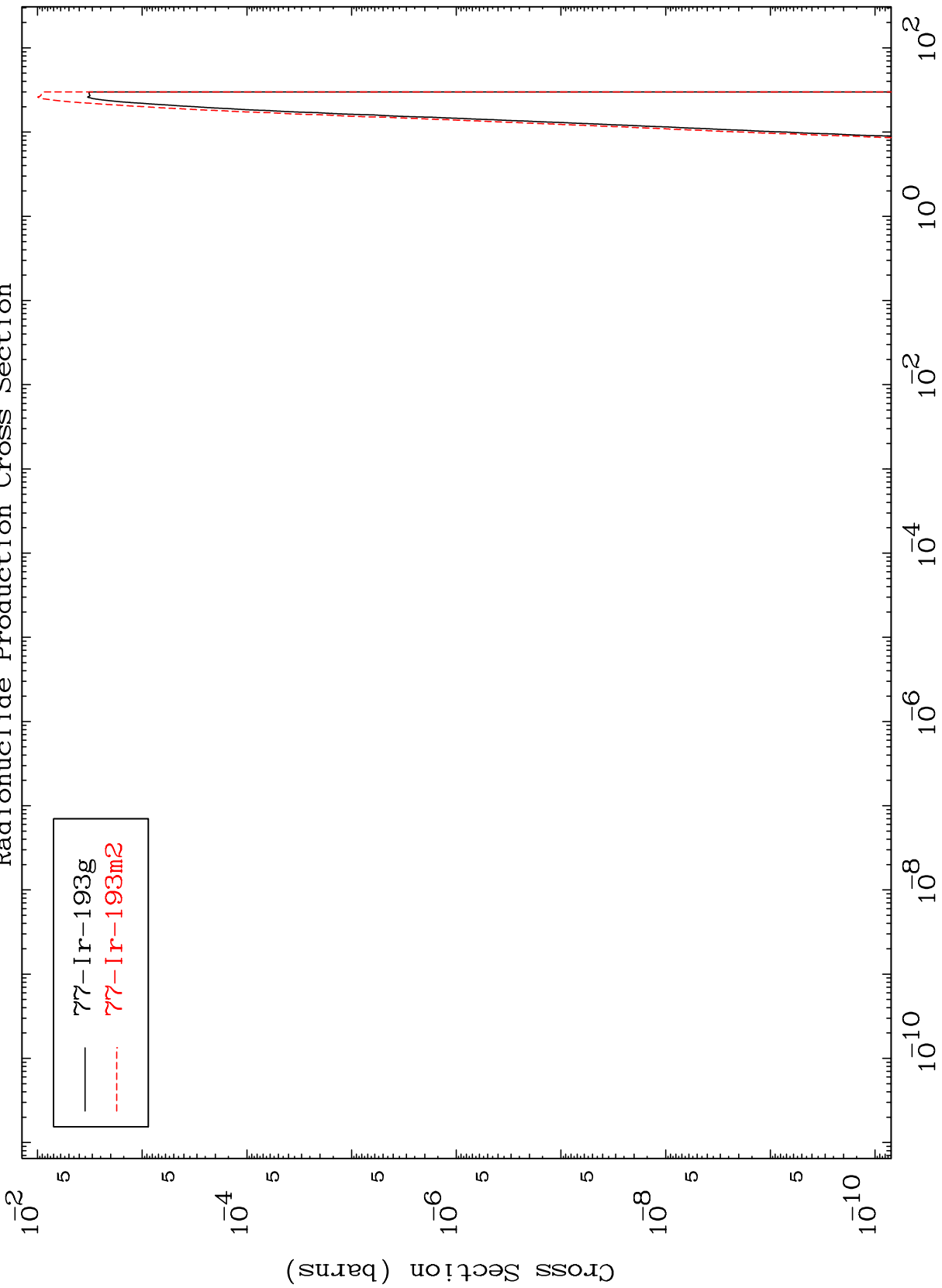


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$(n, n') \alpha$

$^{79}\text{Au}-197\text{m}$

Radionuclide Production Cross Section

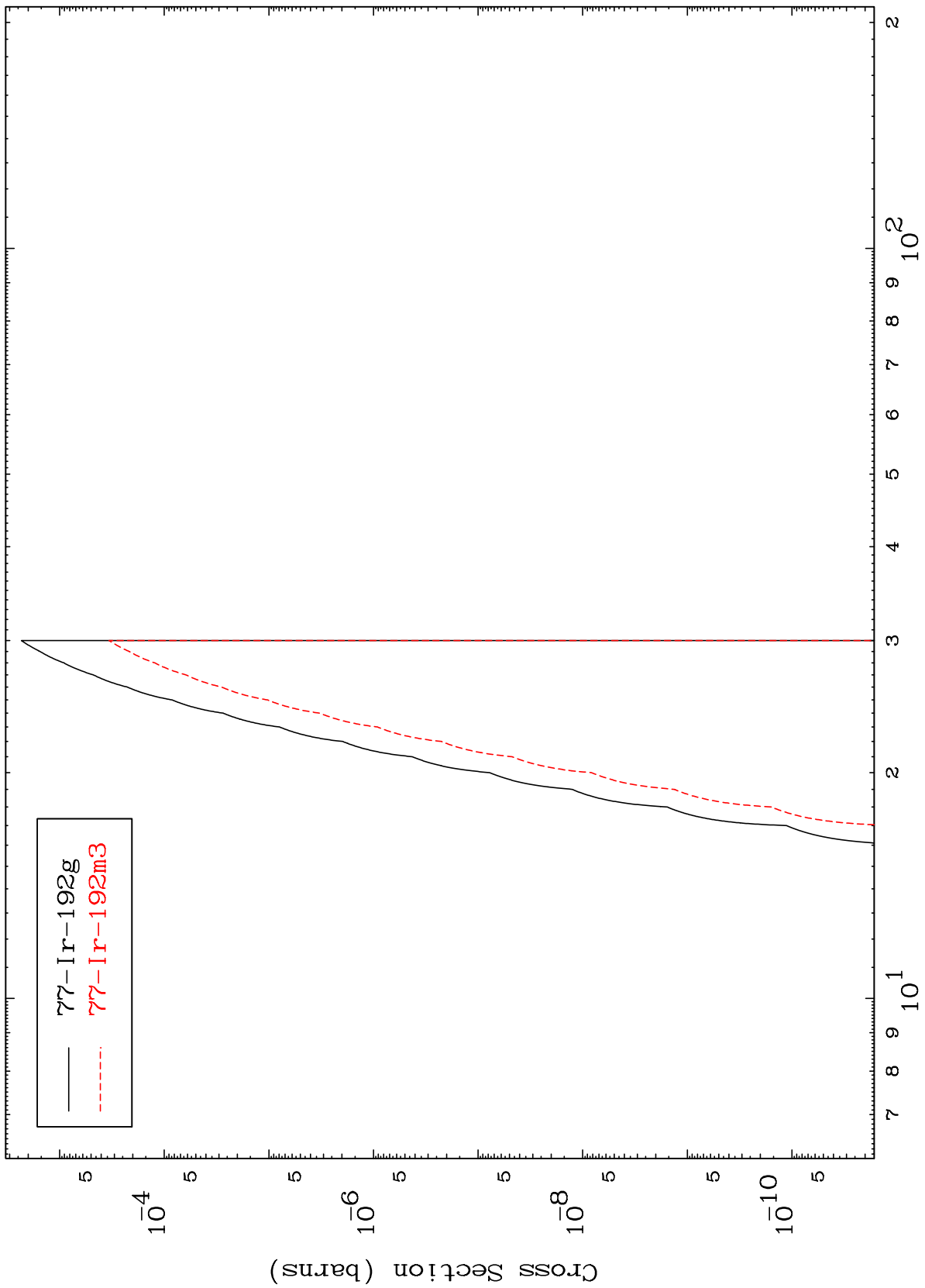


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(n,2n) α

79-Au-197m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

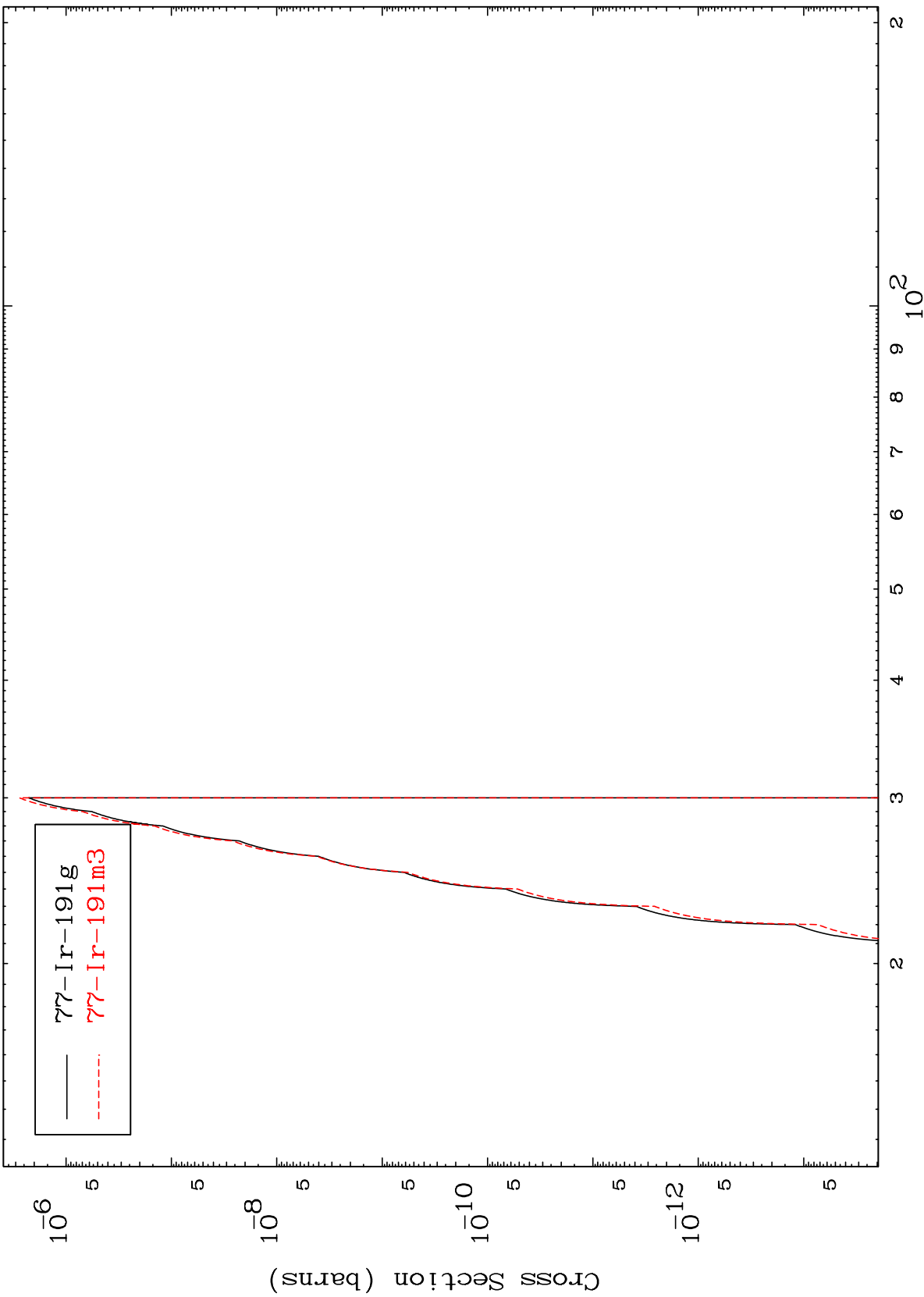
79-Au-197m

MAT 7926

(n,3n) α

⁷⁹Au-197m

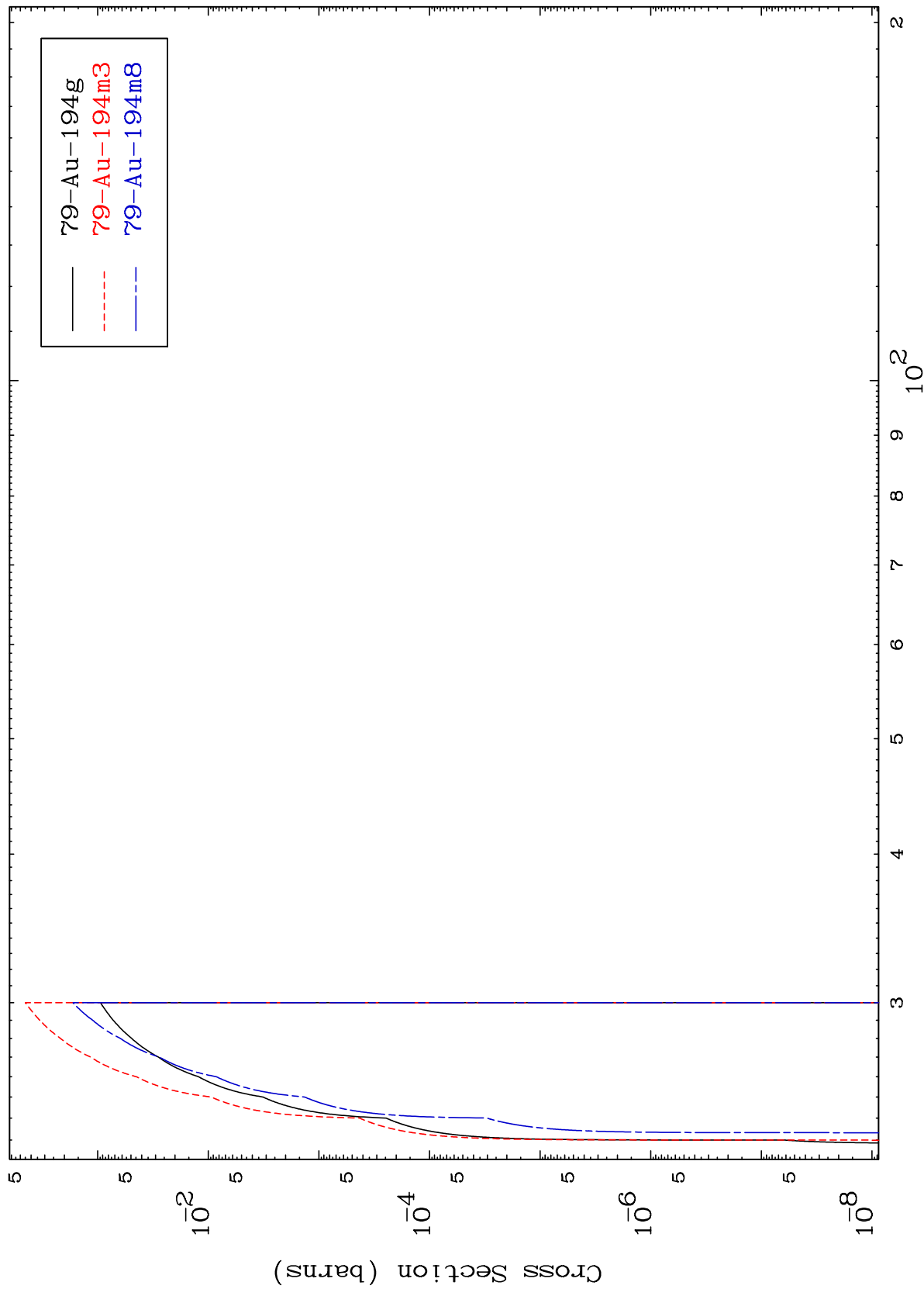
Radionuclide Production Cross Section



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⁷⁹Au-197m

(n,4n)
Radionuclide Production Cross Section



⁷⁹Au-197m

Incident Energy (MeV)

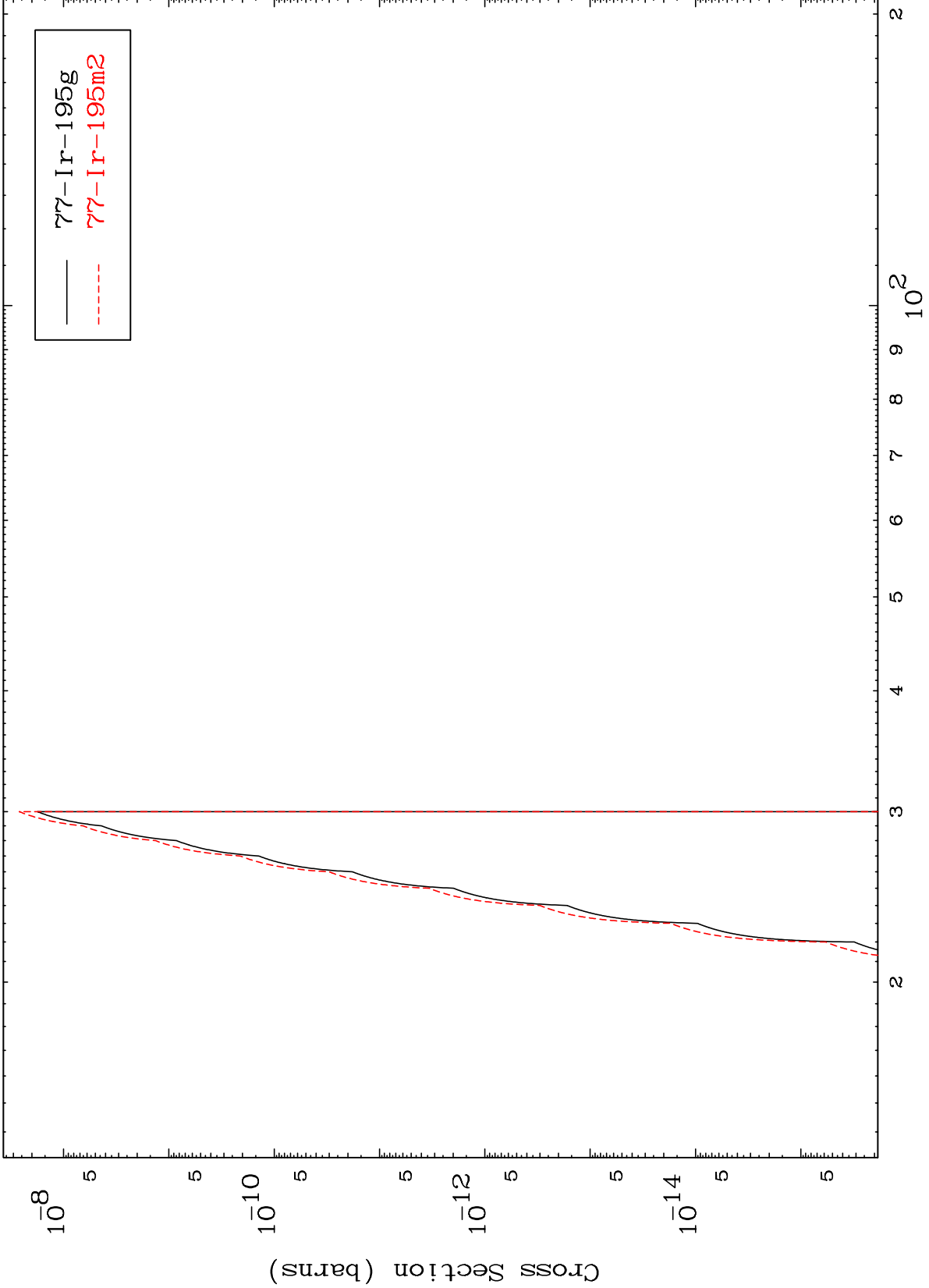
26

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(n,2n) p

⁷⁹Au-197m

Radionuclide Production Cross Section

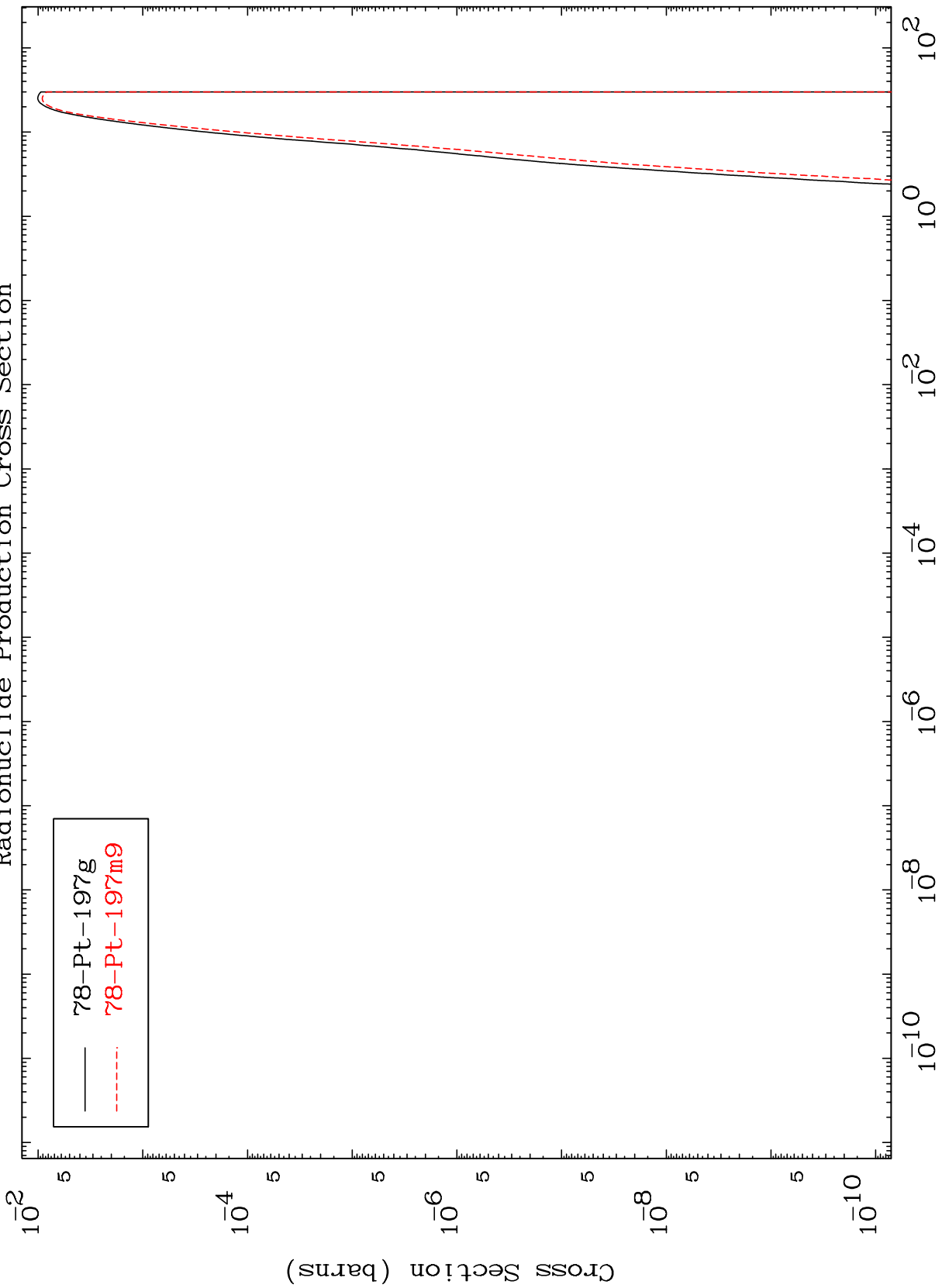


MAT 7926

(n,p)

⁷⁹Au-197m

Radionuclide Production Cross Section

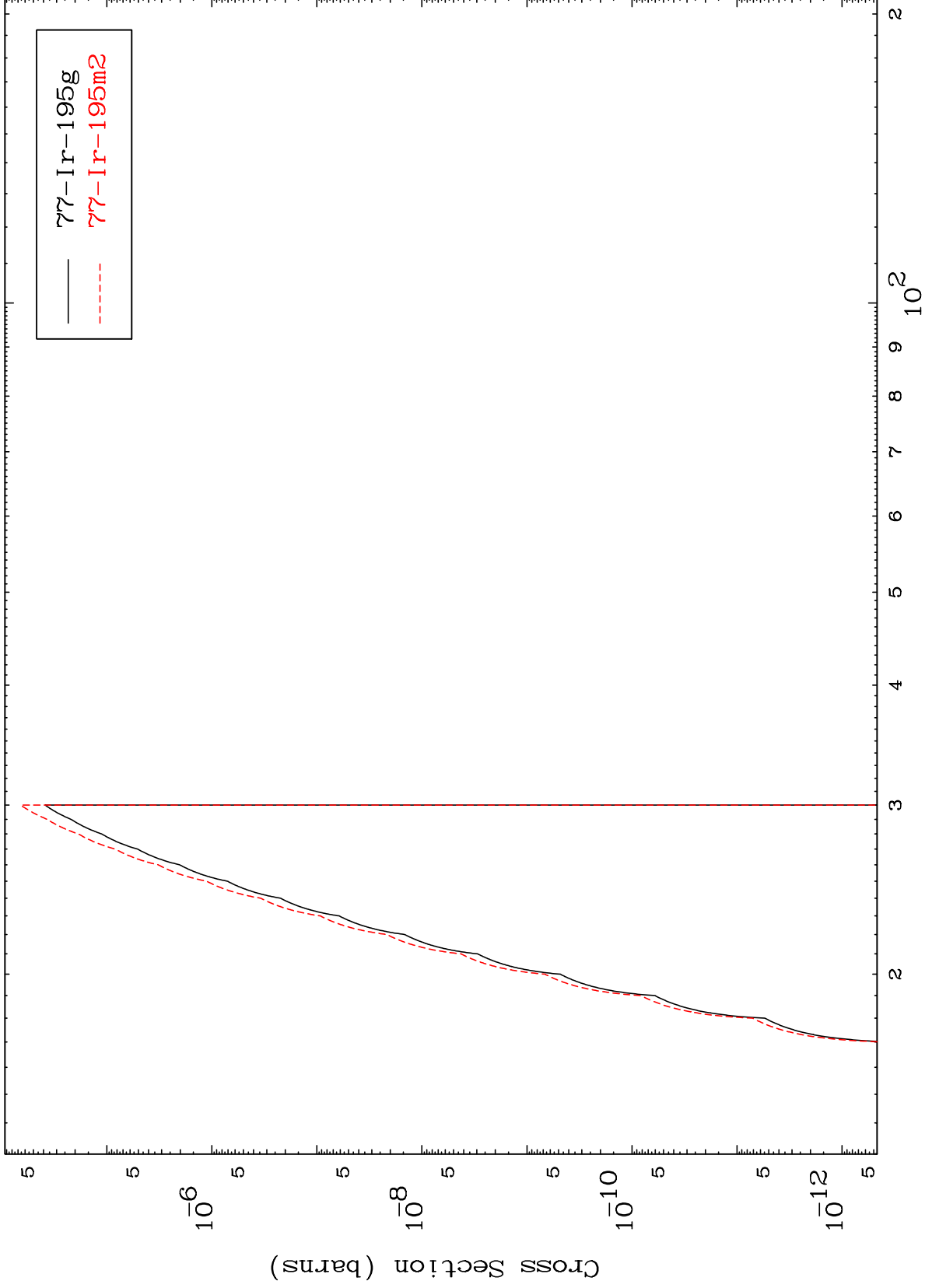


— 78-Pt-197g
- - - 78-Pt-197m9

Incident Energy (MeV)

⁷⁹Au-197m

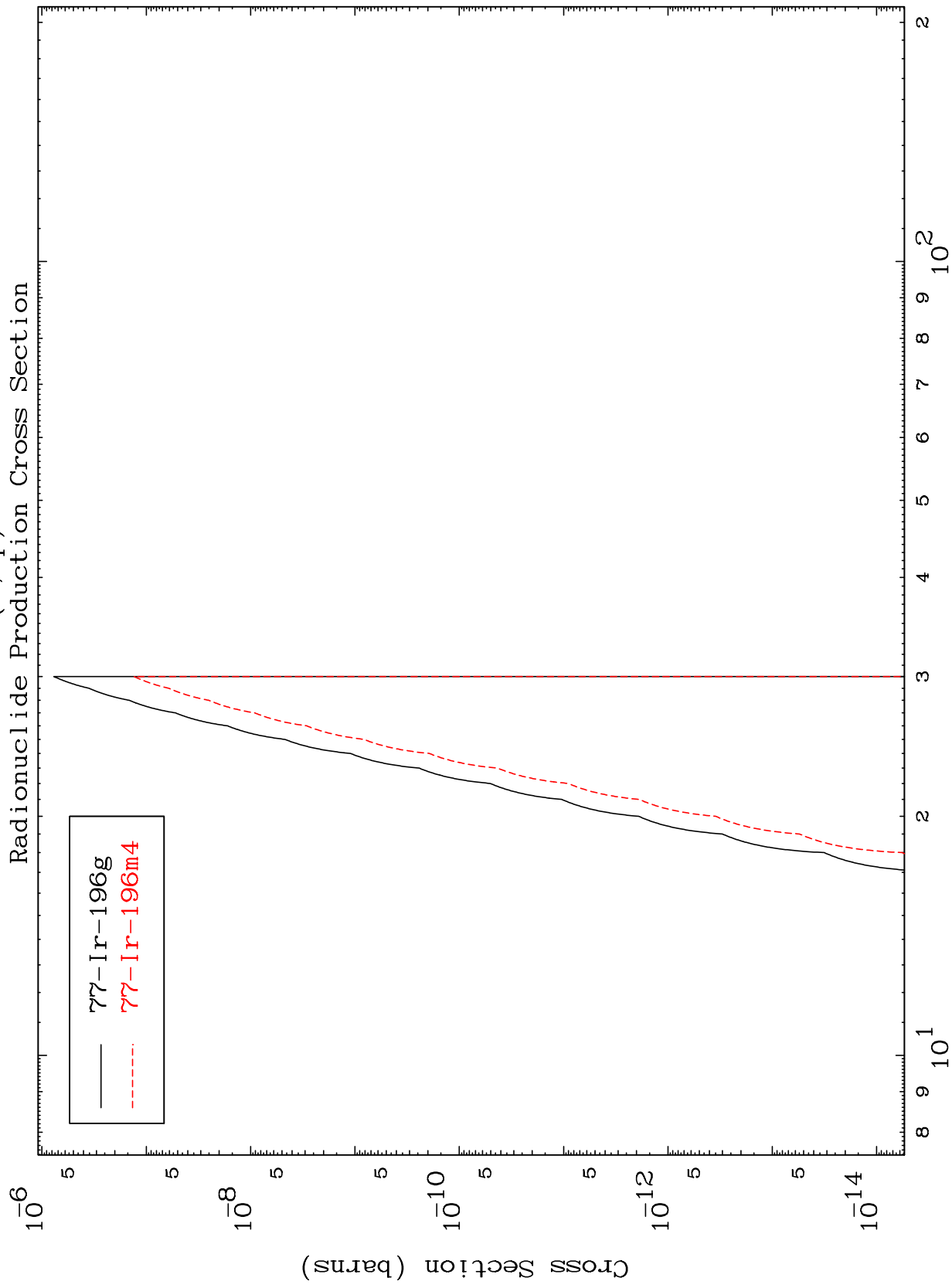
Radionuclide Production Cross Section



MAT 7926

⁷⁹Au-197m

(n,2p)
Radionuclide Production Cross Section



⁷⁹Au-197m

Incident Energy (MeV)

30