

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

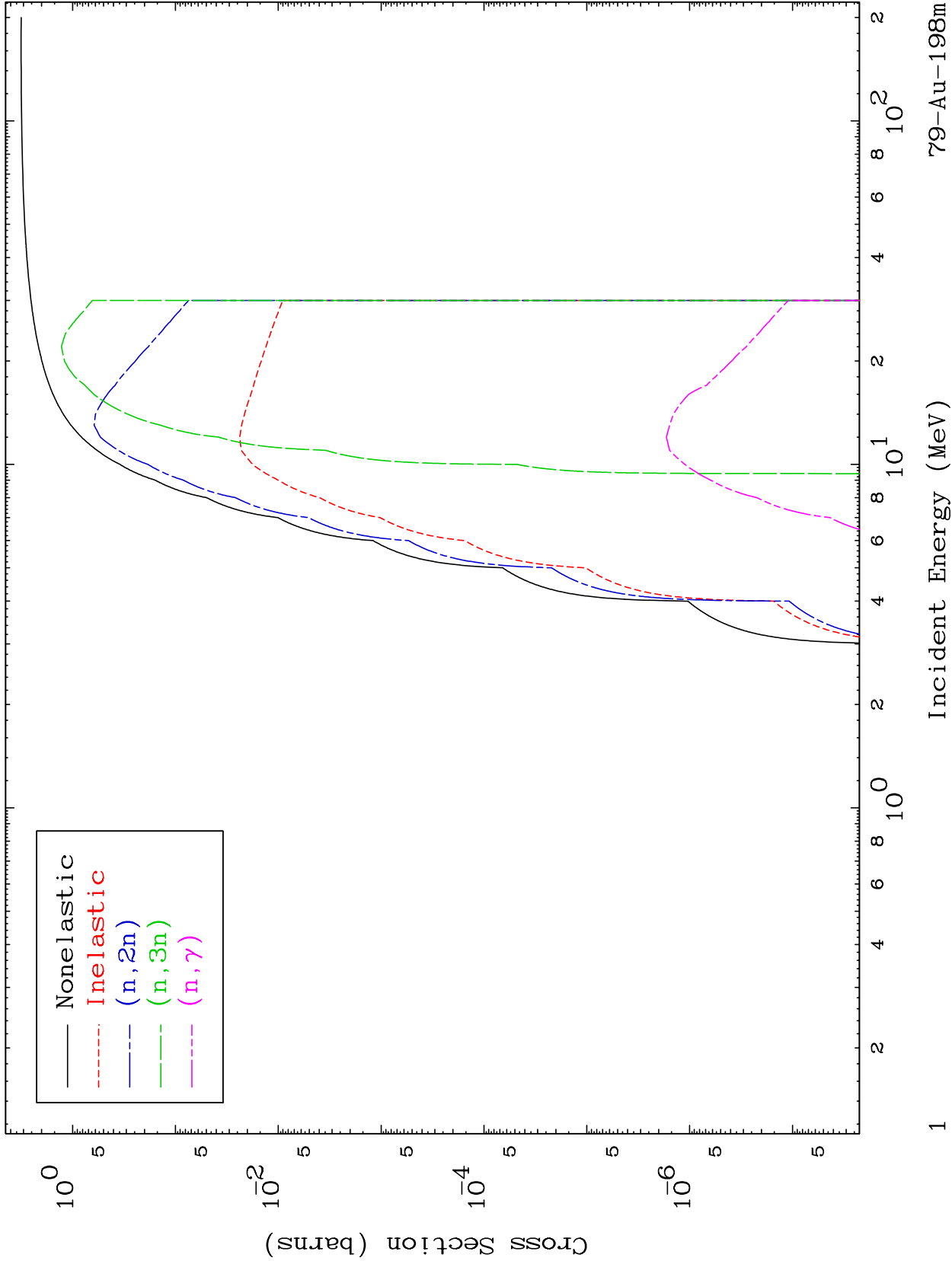
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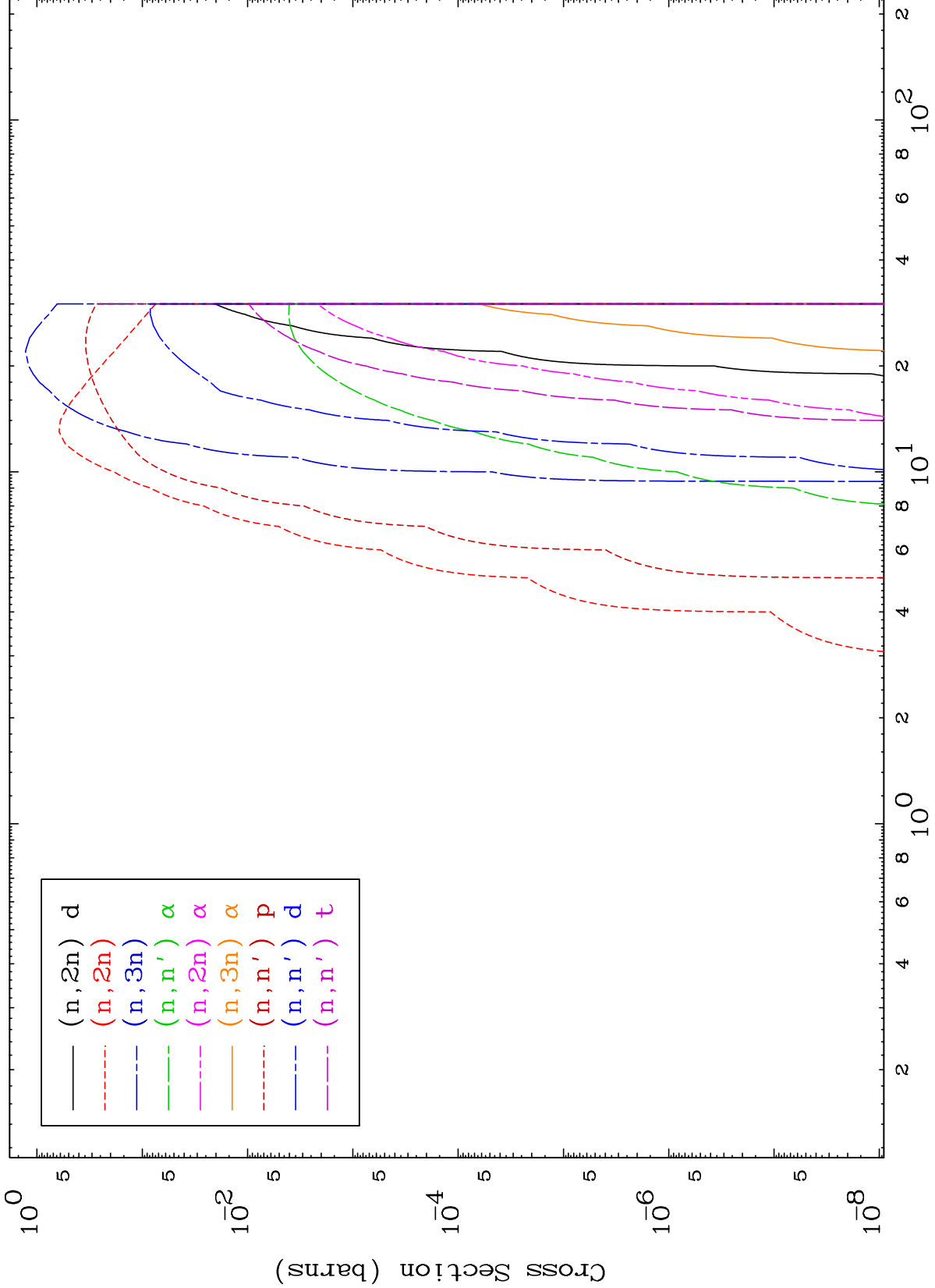
Press Mouse Button to Start



MAT 7929

Deuteron Neutron Absorption
0 Kelvin Cross Sections

79-Au-198m



—	(n, 2n)	d
- - -	(n, 2n)	
- · -	(n, 3n)	
—	(n, n')	α
- - -	(n, 2n)	α
—	(n, 3n)	α
- · -	(n, n')	p
- · · -	(n, n')	d
- - -	(n, n')	t

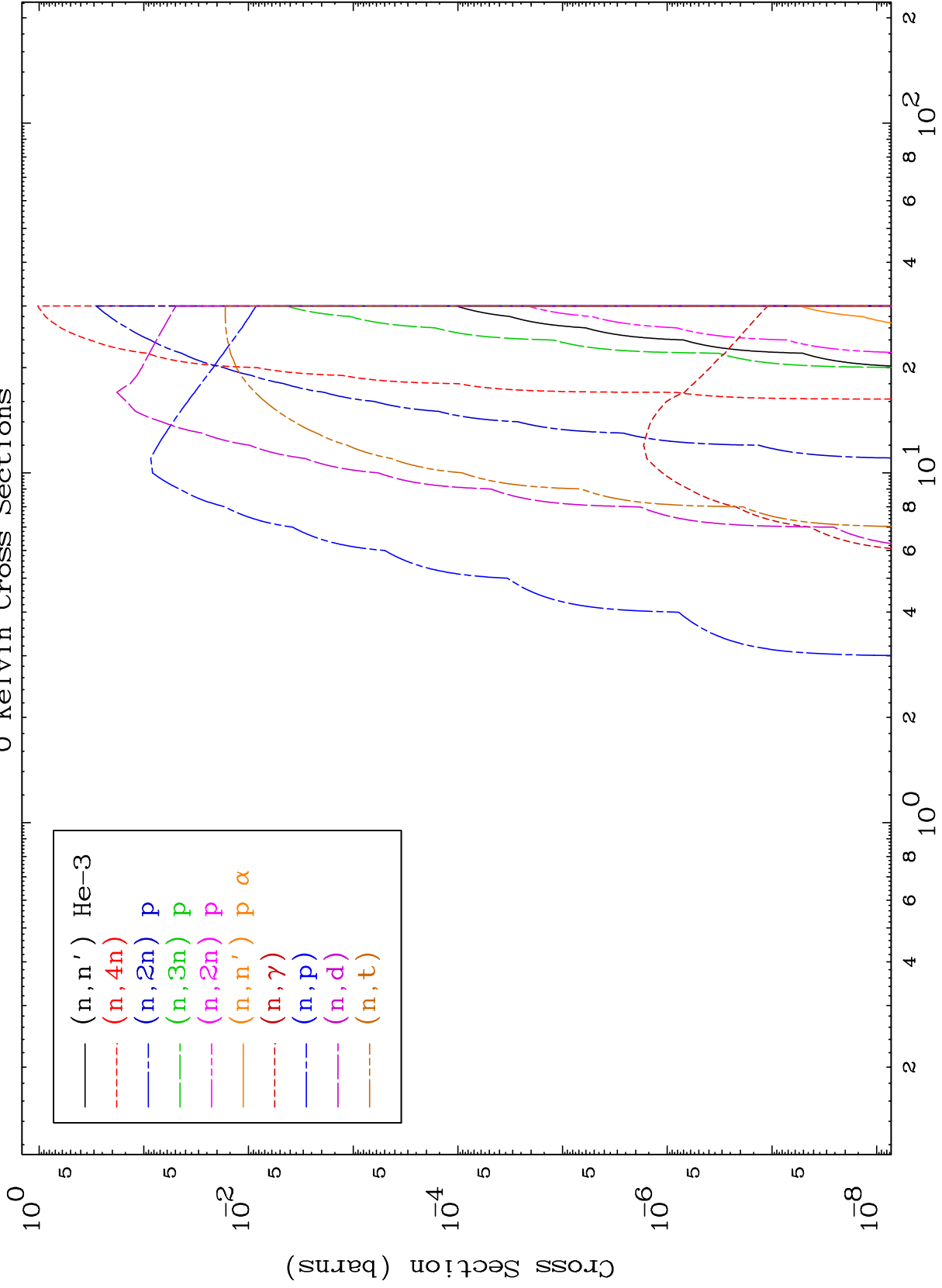
79-Au-198m

Incident Energy (MeV)

MAT 7929

Deuteron Neutron Absorption
0 Kelvin Cross Sections

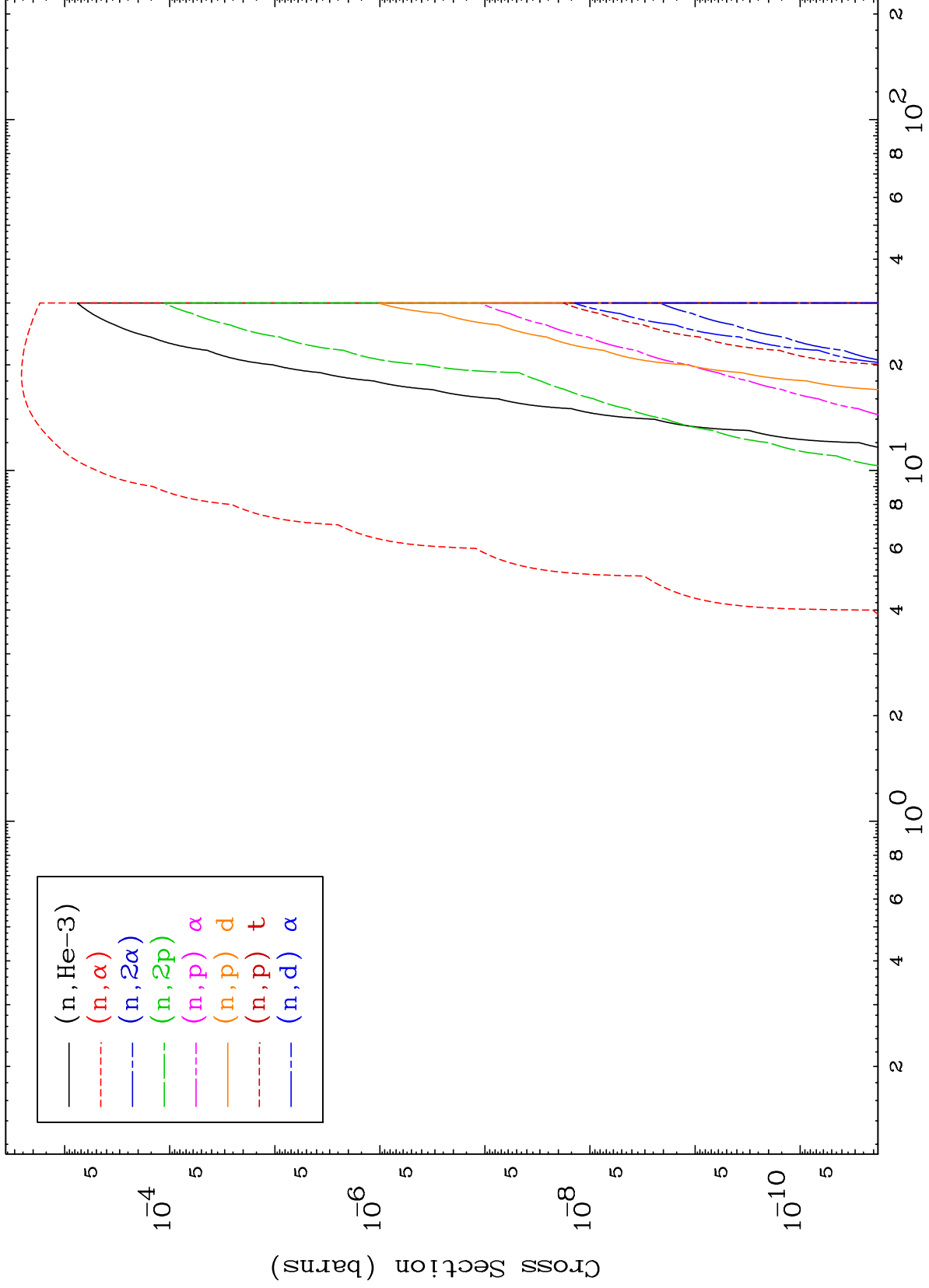
79-Au-198m

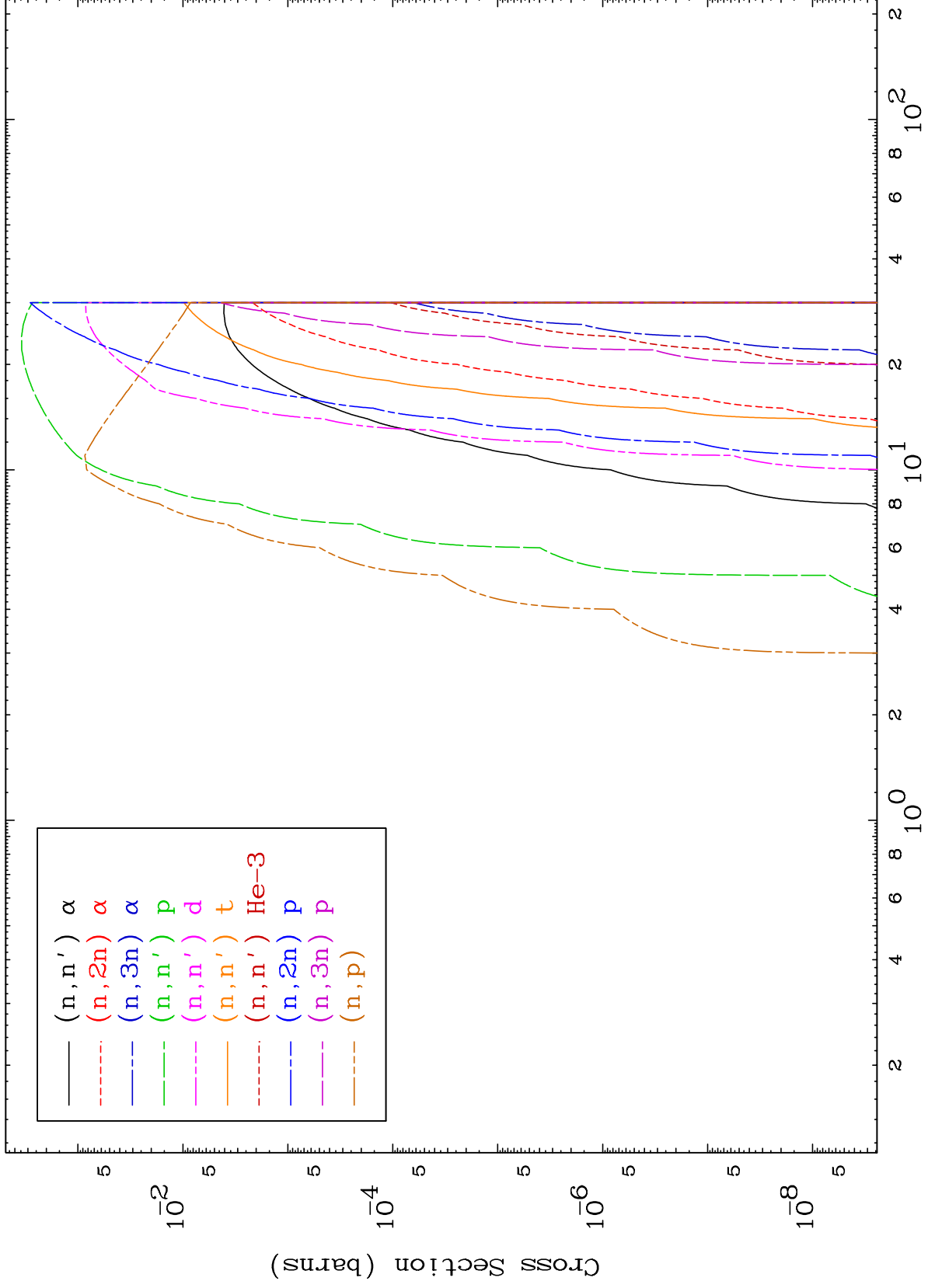


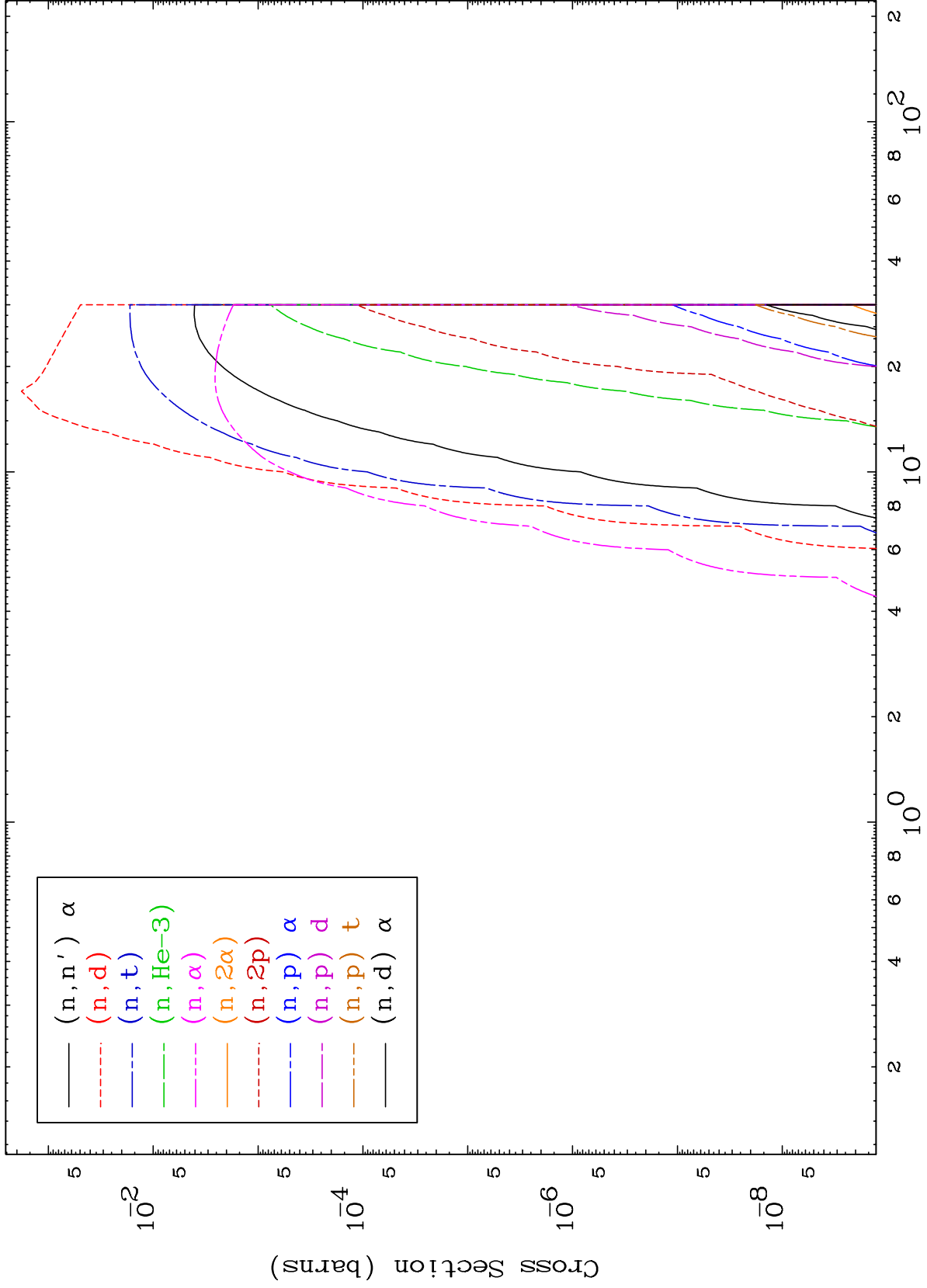
MAT 7929

Deuteron Neutron Absorption
0 Kelvin Cross Sections

79-Au-198m





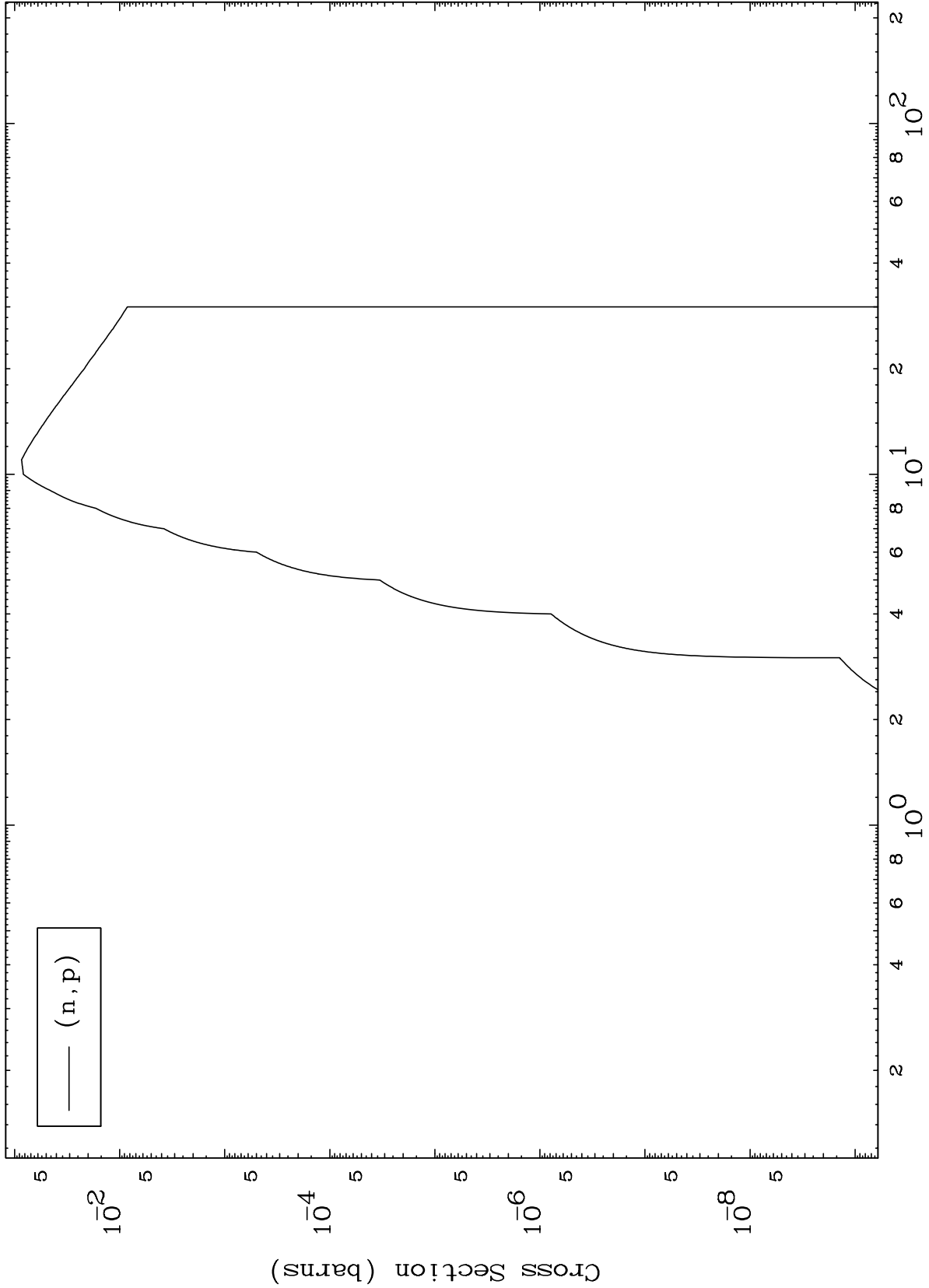


MAT 7929

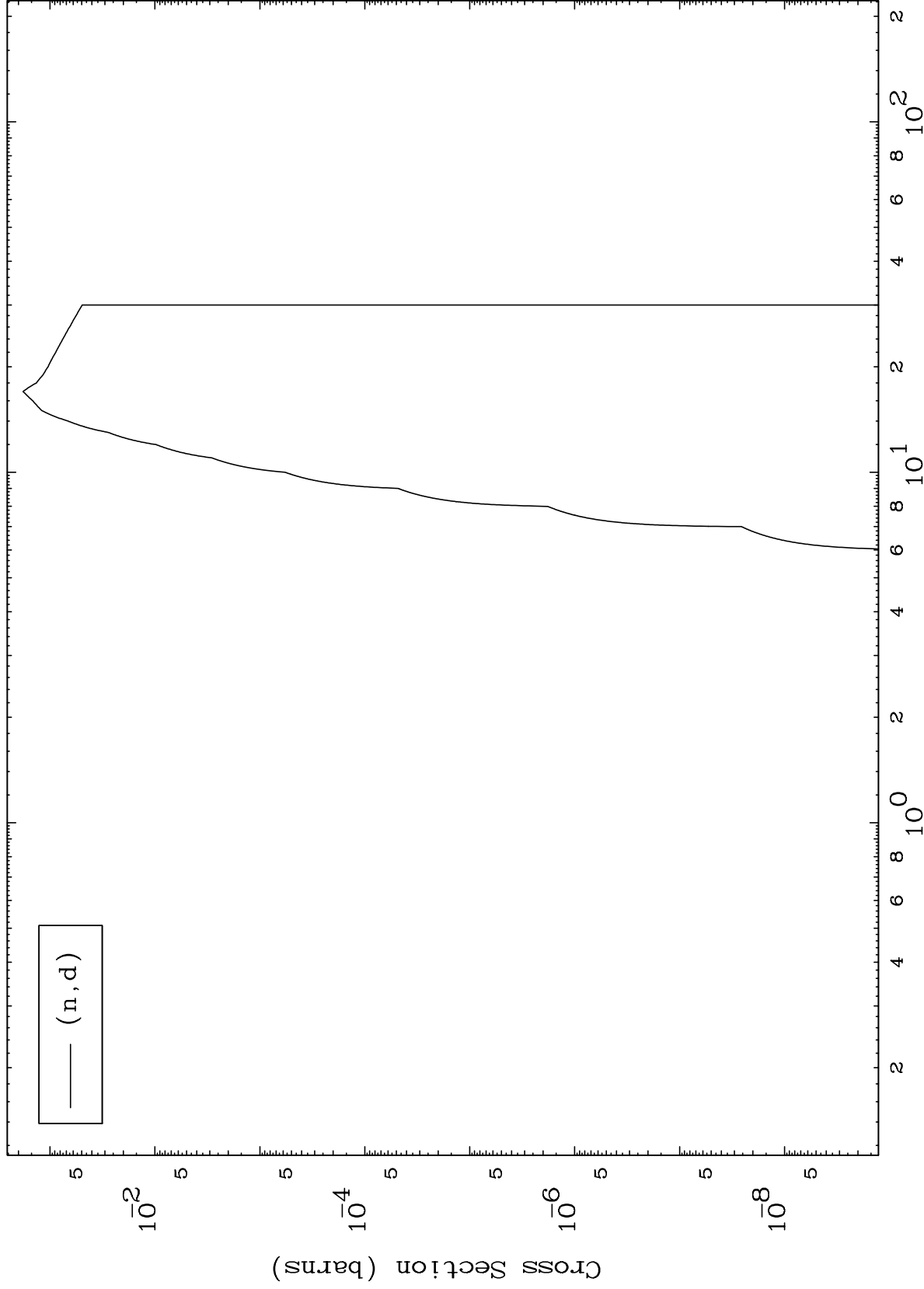
(d,p) Levels

79-Au-198m

0 Kelvin Cross Sections



0 Kelvin Cross Sections

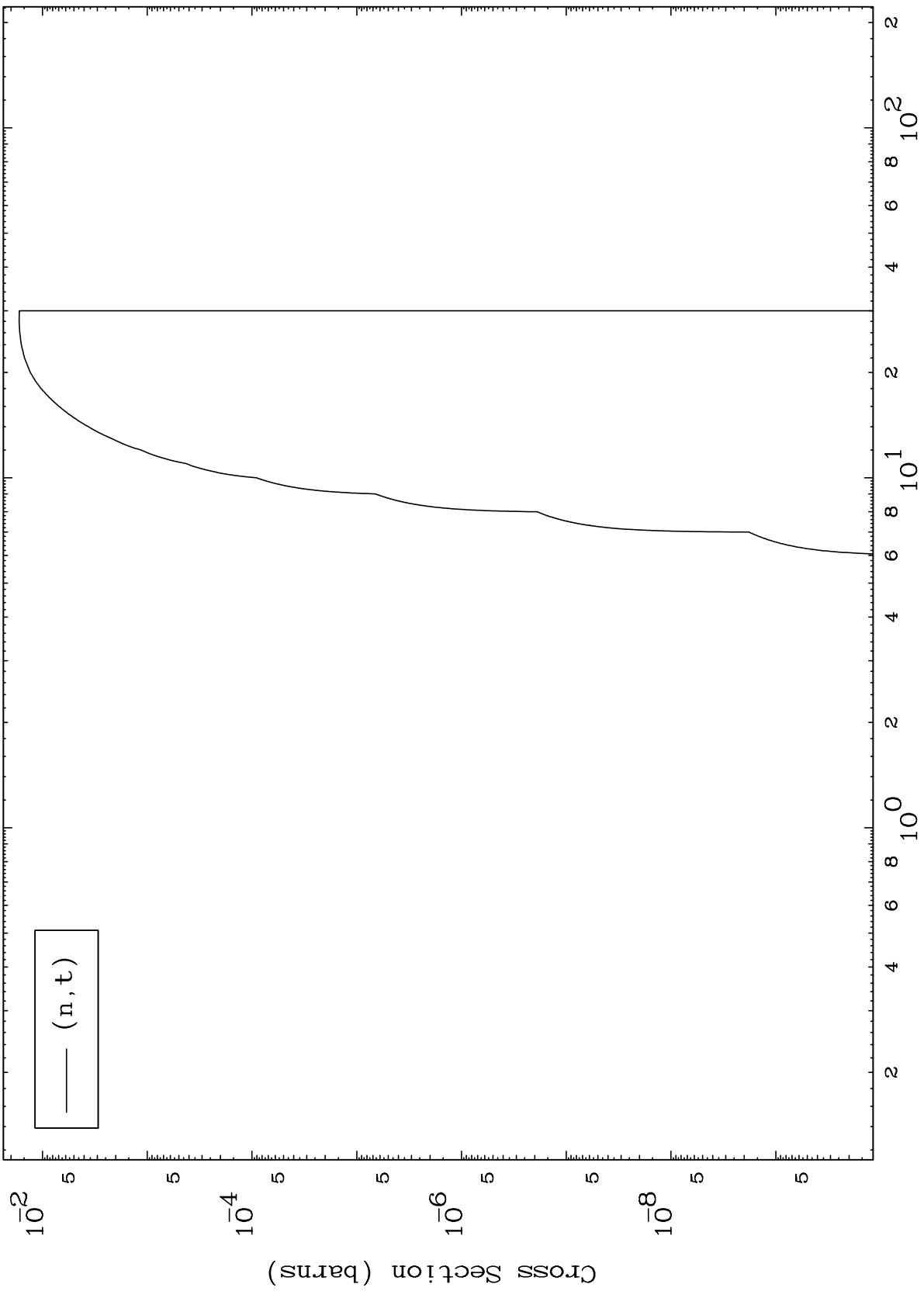


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(d, t) Levels

⁷⁹Au-198m

0 Kelvin Cross Sections

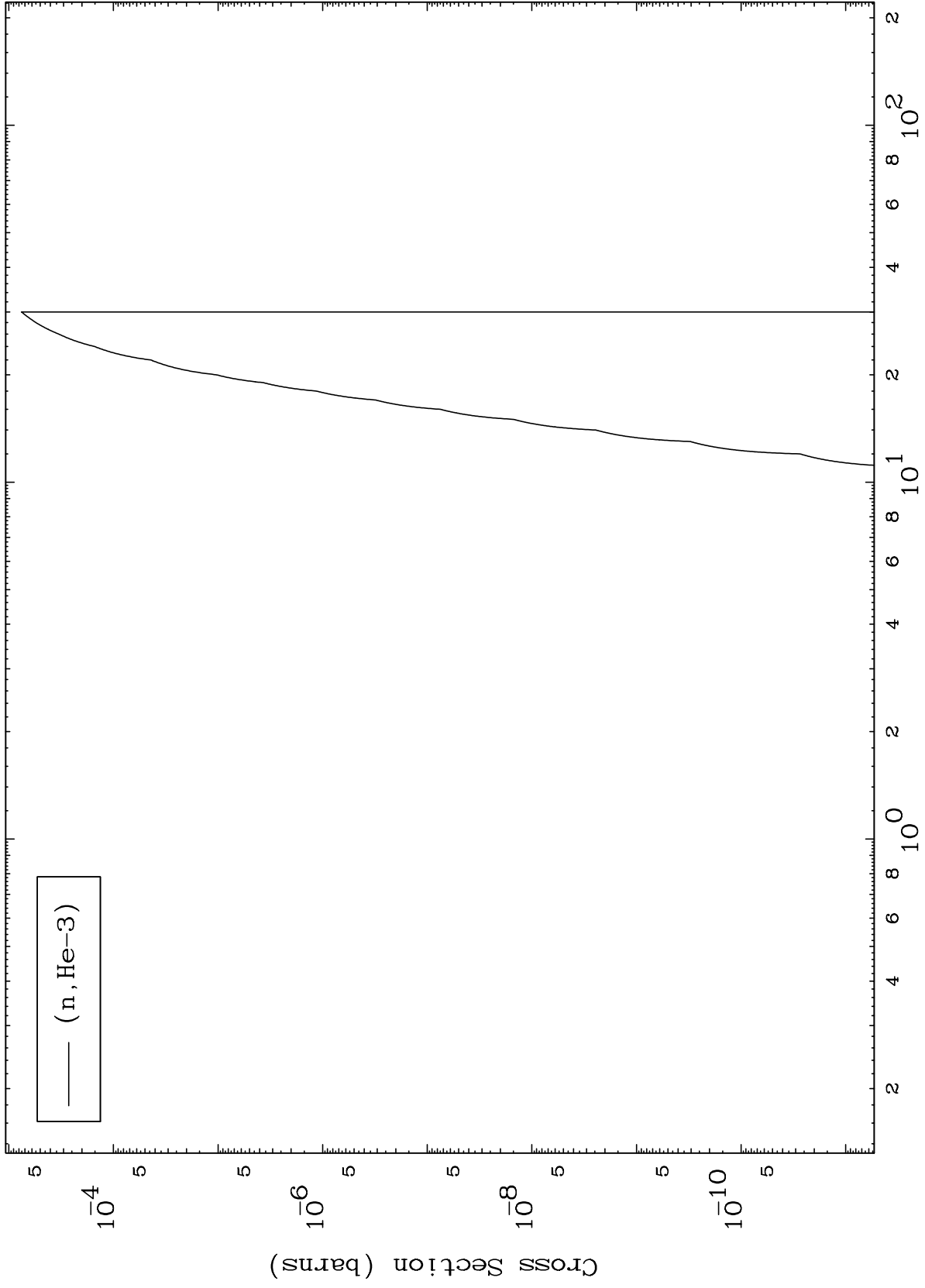


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(d,He3) Levels

79-Au-198m

0 Kelvin Cross Sections



10

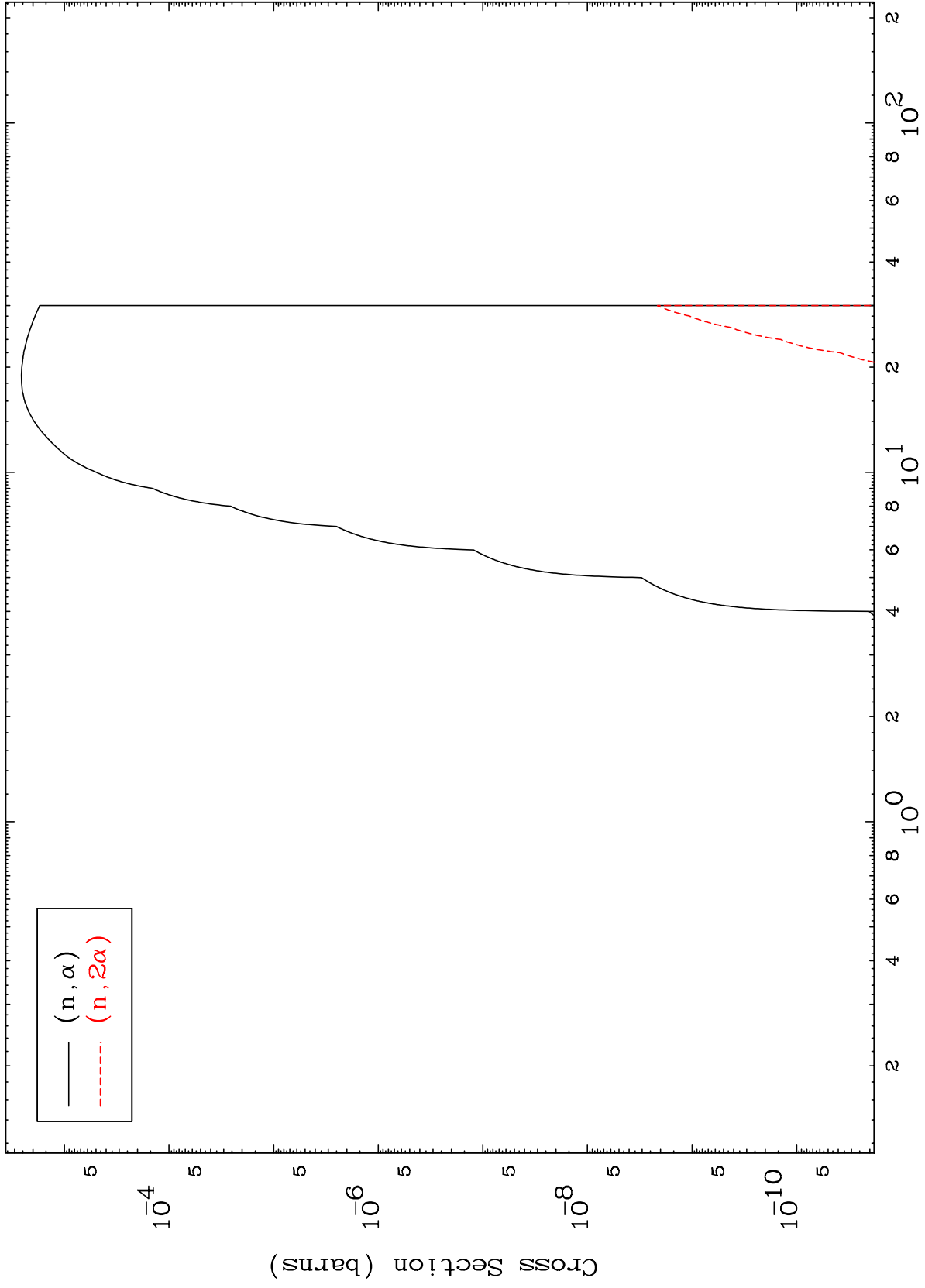
Incident Energy (MeV)

79-Au-198m

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(d, α) Levels
0 Kelvin Cross Sections

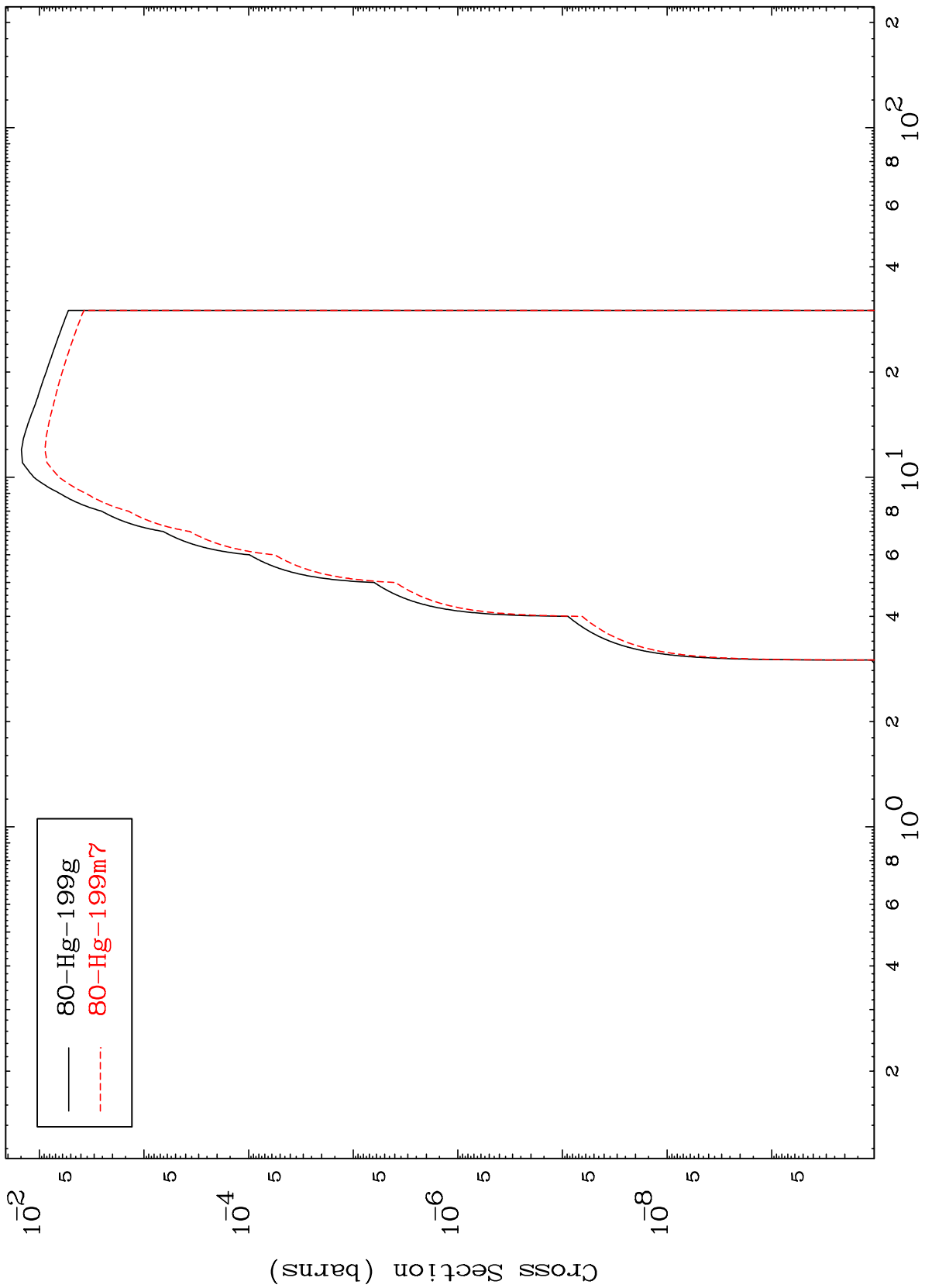
79-Au-198m



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79-Au-198m

Inelastic
Radionuclide Production Cross Section



79-Au-198m

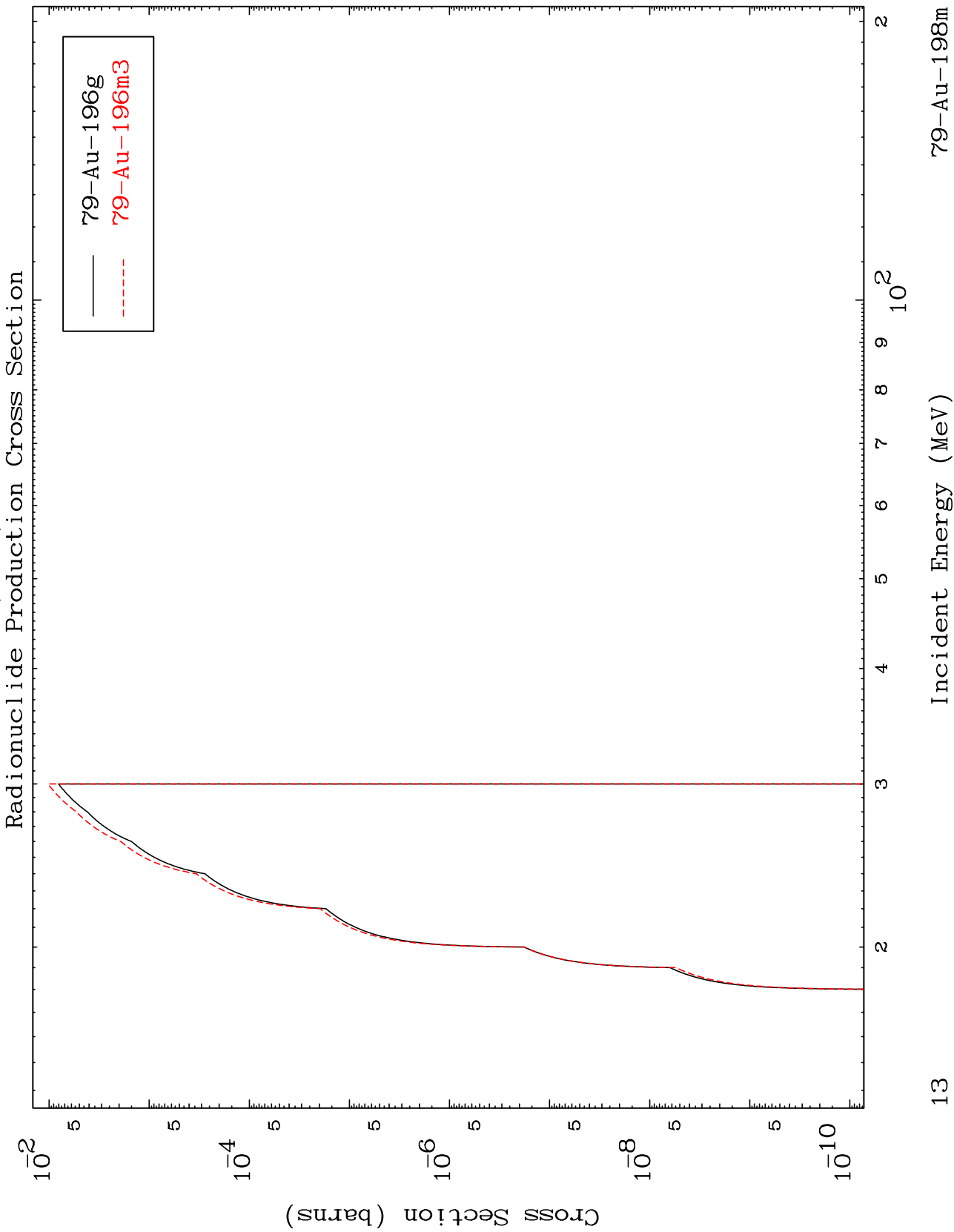
Incident Energy (MeV)

12

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(n,2n) d

⁷⁹Au-198m



13

Incident Energy (MeV)

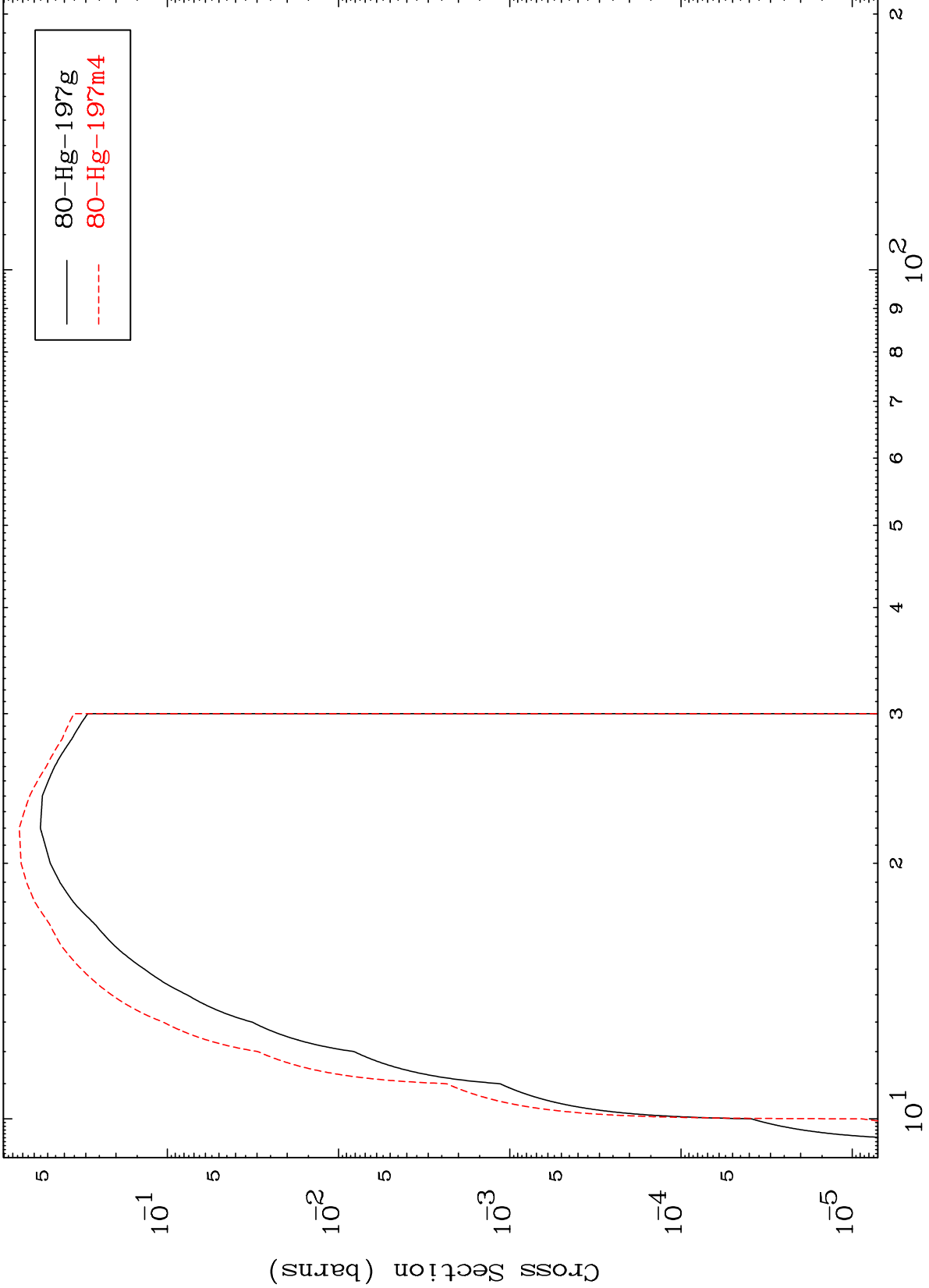
⁷⁹Au-198m

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(n,3n)

⁷⁹Au-198m

Radionuclide Production Cross Section



80-Hg-197g
80-Hg-197m4

14

Incident Energy (MeV)

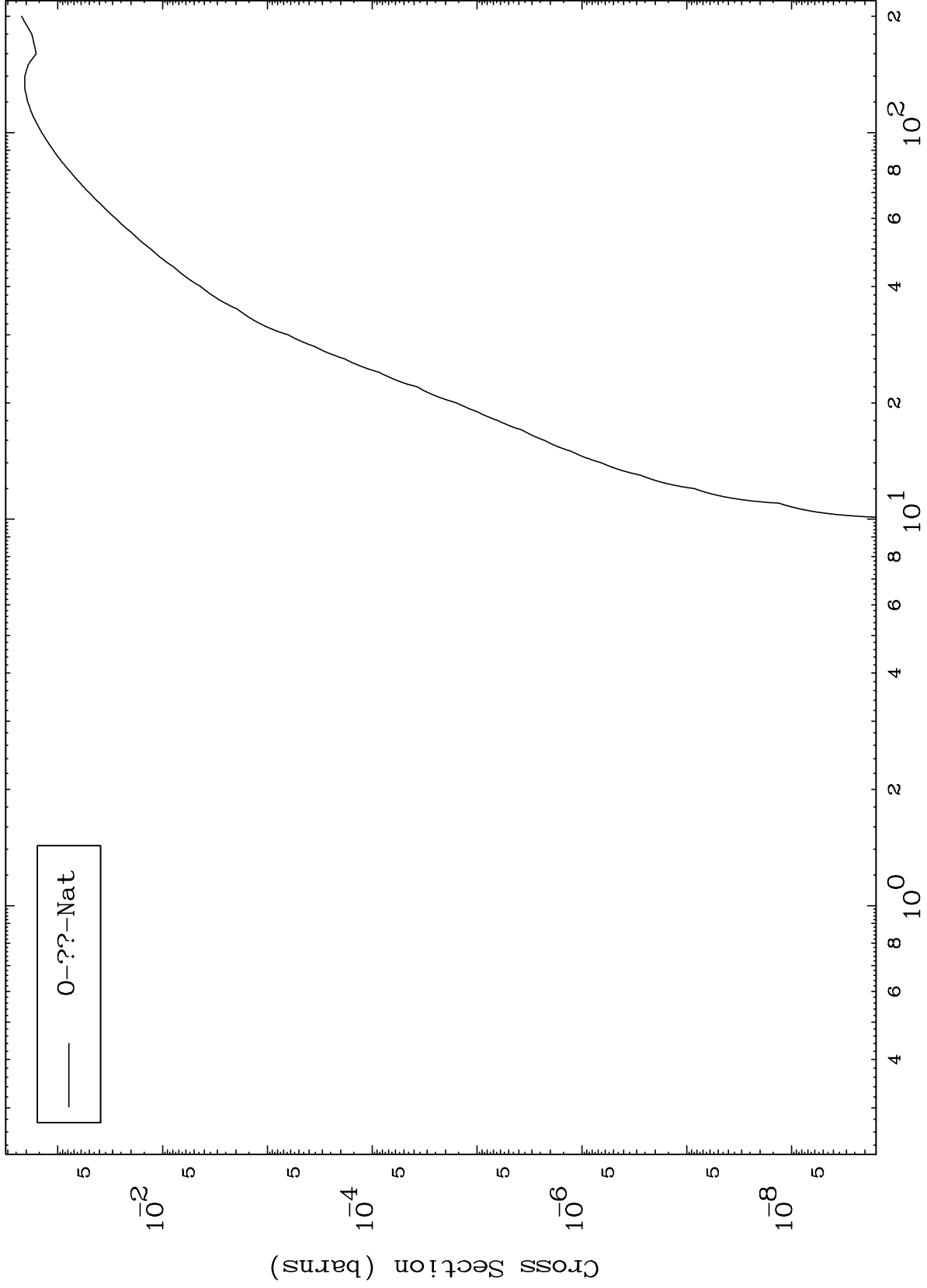
⁷⁹Au-198m

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Fission

⁷⁹Au-198m

Radionuclide Production Cross Section

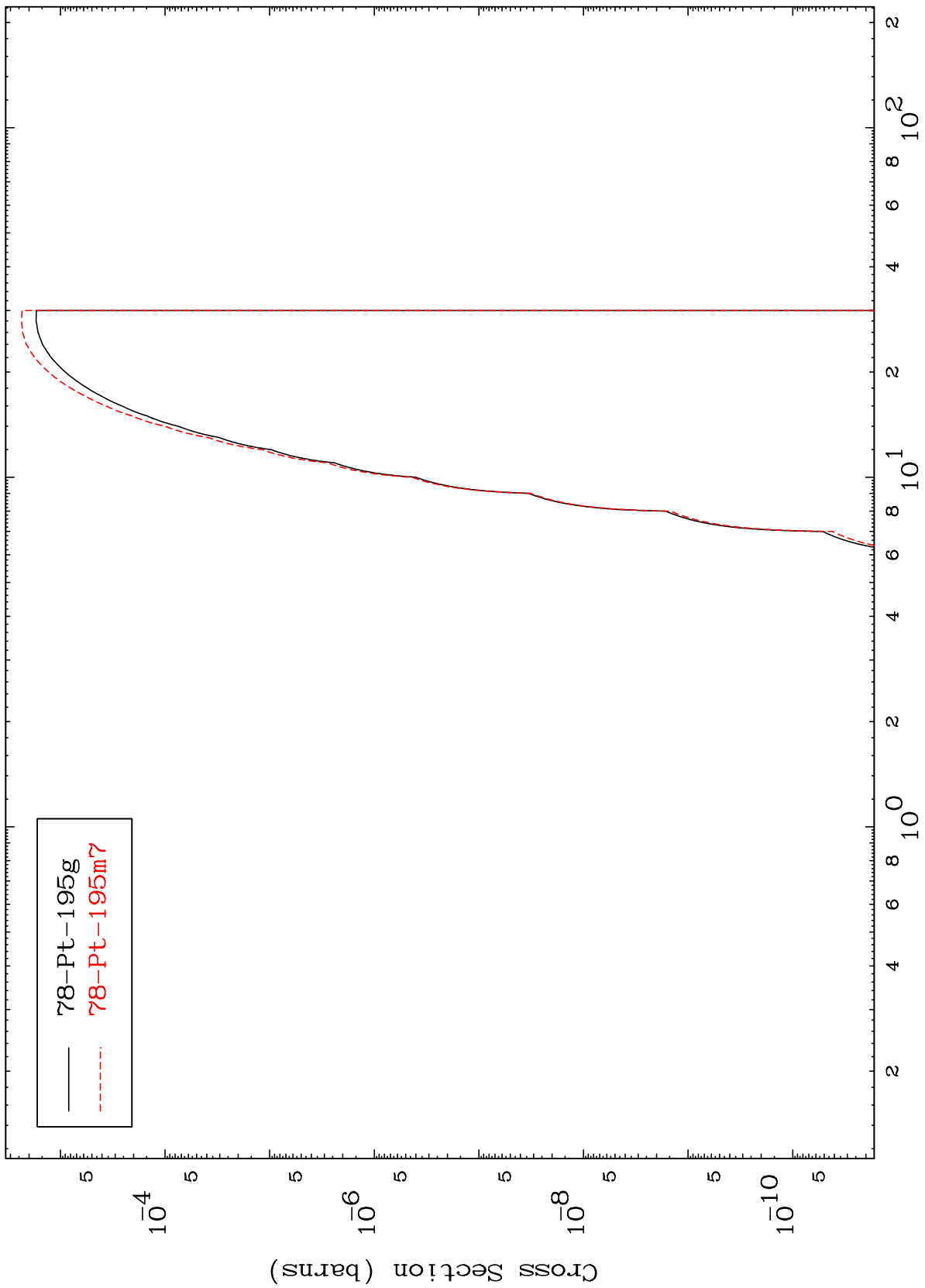


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$(n, n') \alpha$

79-Au-198m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

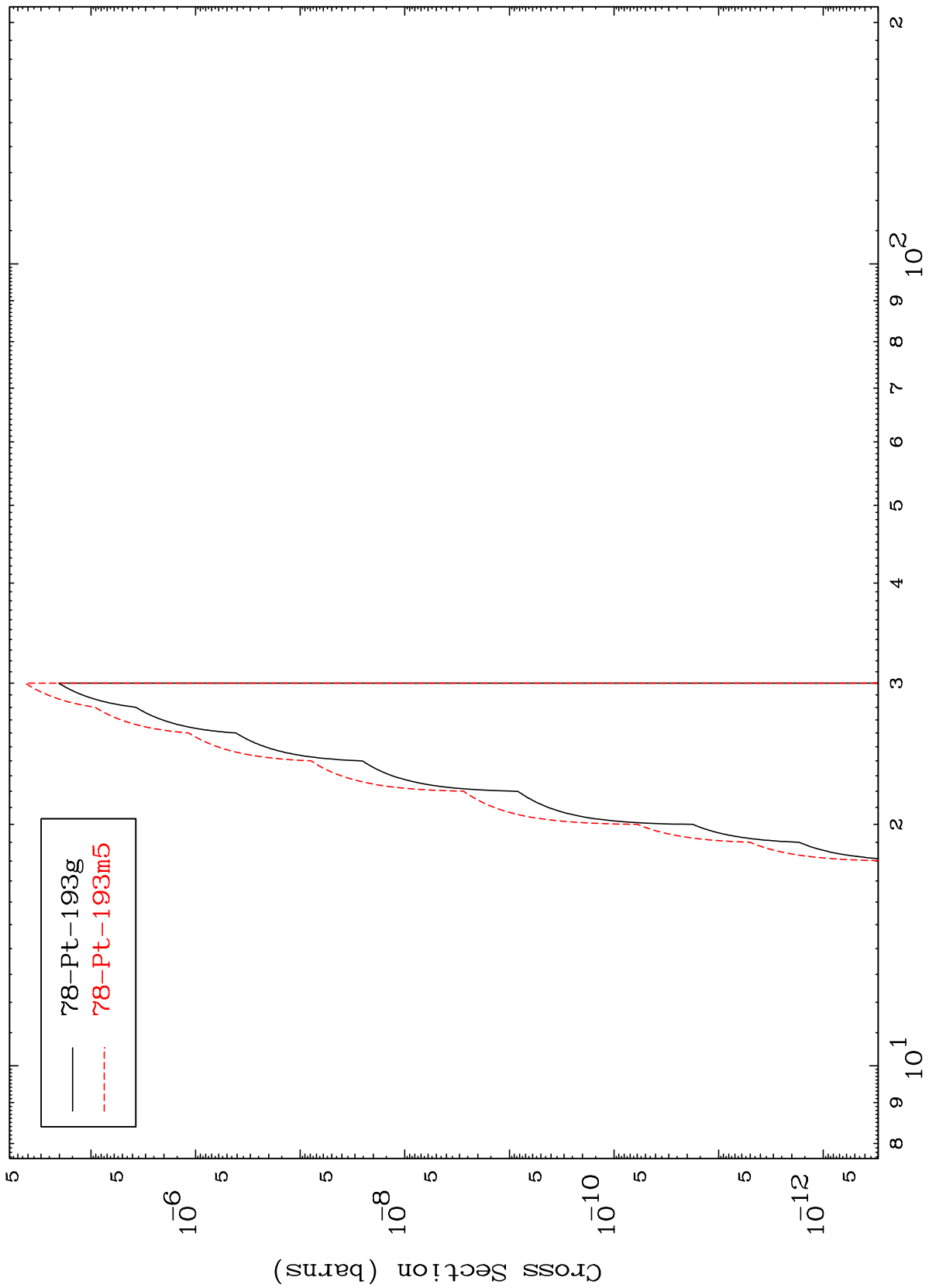
79-Au-198m

MAT 7929

$(n,3n) \alpha$

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

Radionuclide Production Cross Section



78-Pt-193g
78-Pt-193m5

17

Incident Energy (MeV)

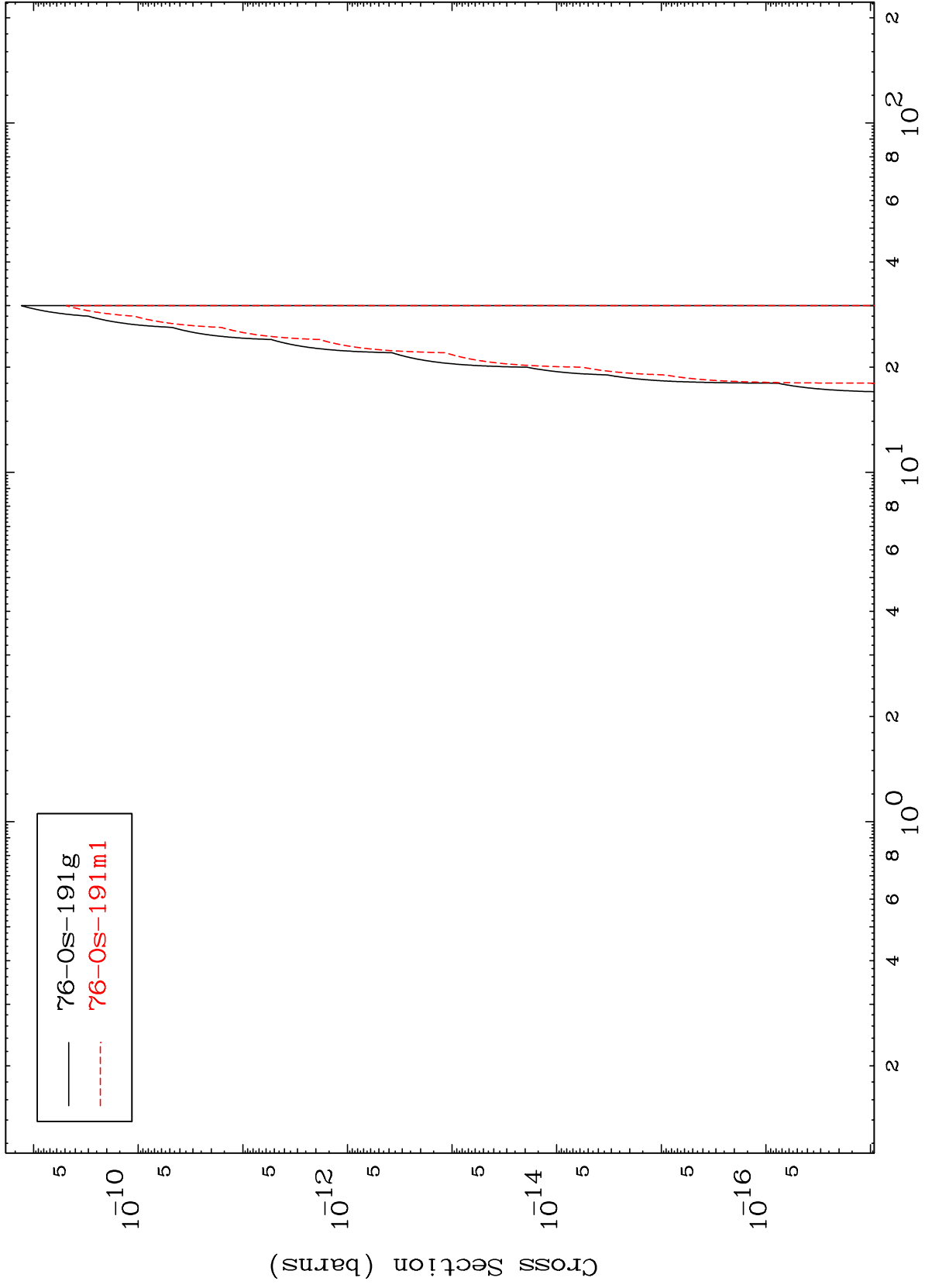
$^{79}\text{Au-198m}$

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(n,n') 2 α

79-Au-198m

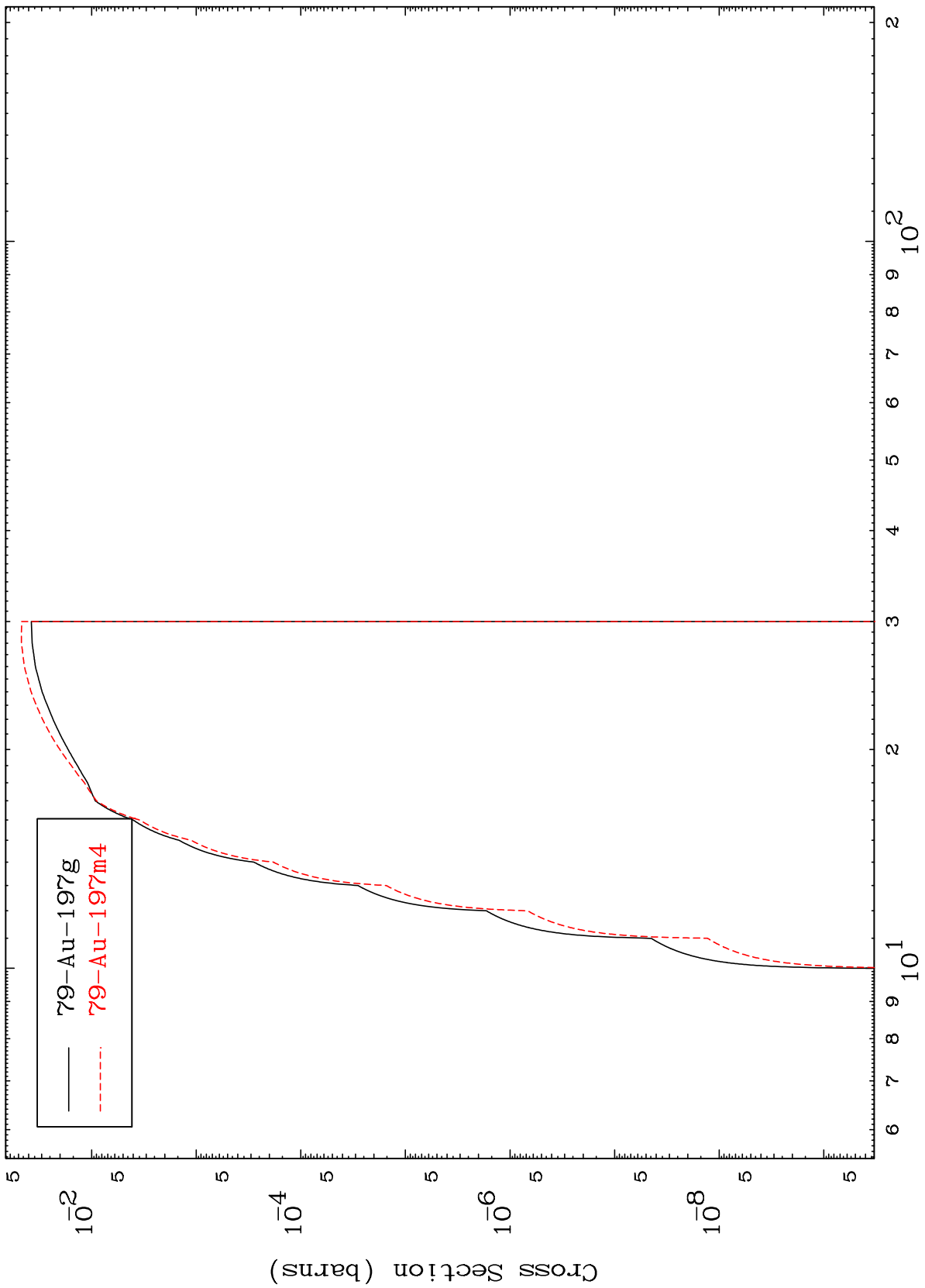
Radionuclide Production Cross Section



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⁷⁹Au-198m

(n,n') d
Radionuclide Production Cross Section



19

Incident Energy (MeV)

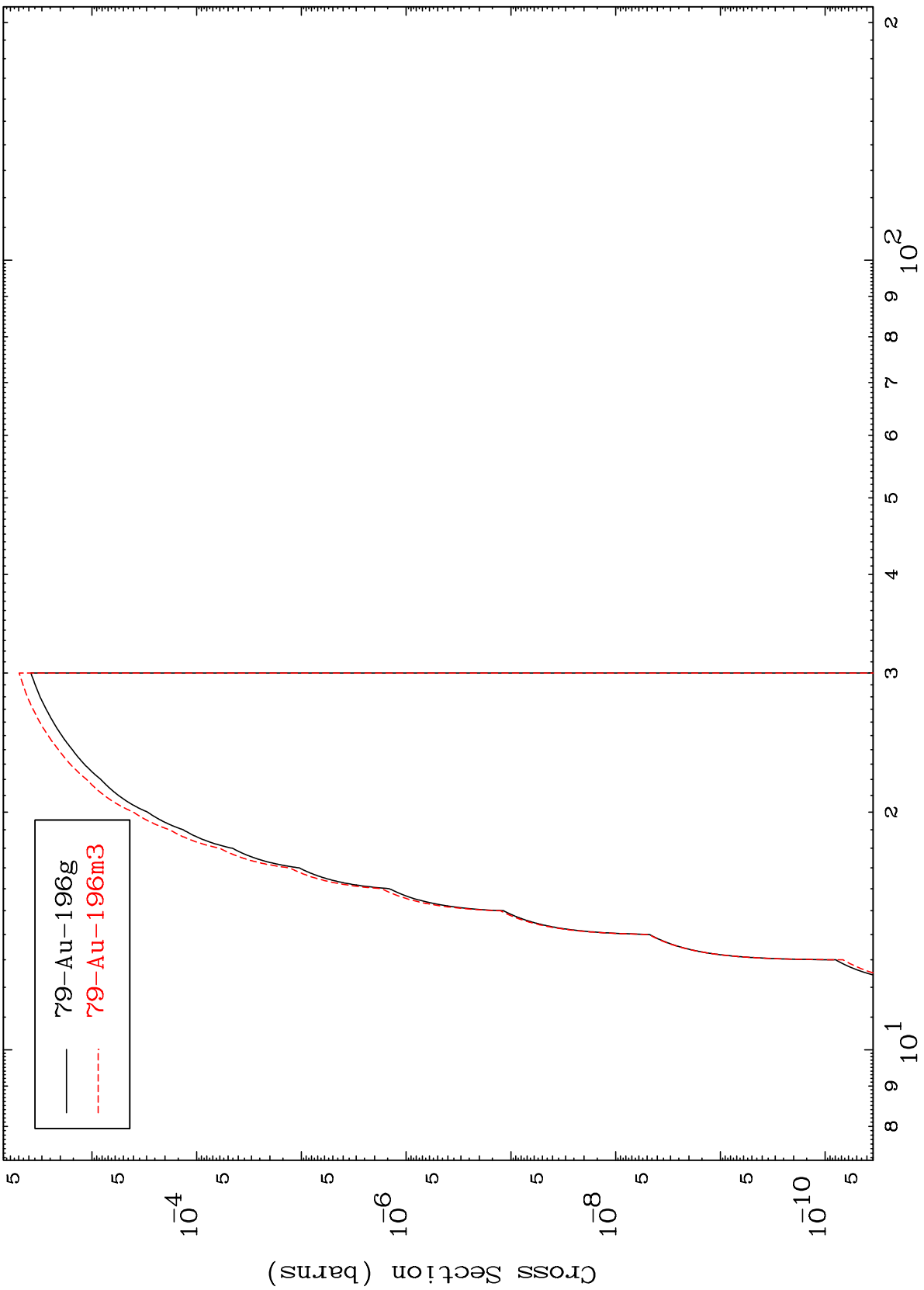
⁷⁹Au-198m

MAT 7929

(n,n') t

⁷⁹Au-198m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

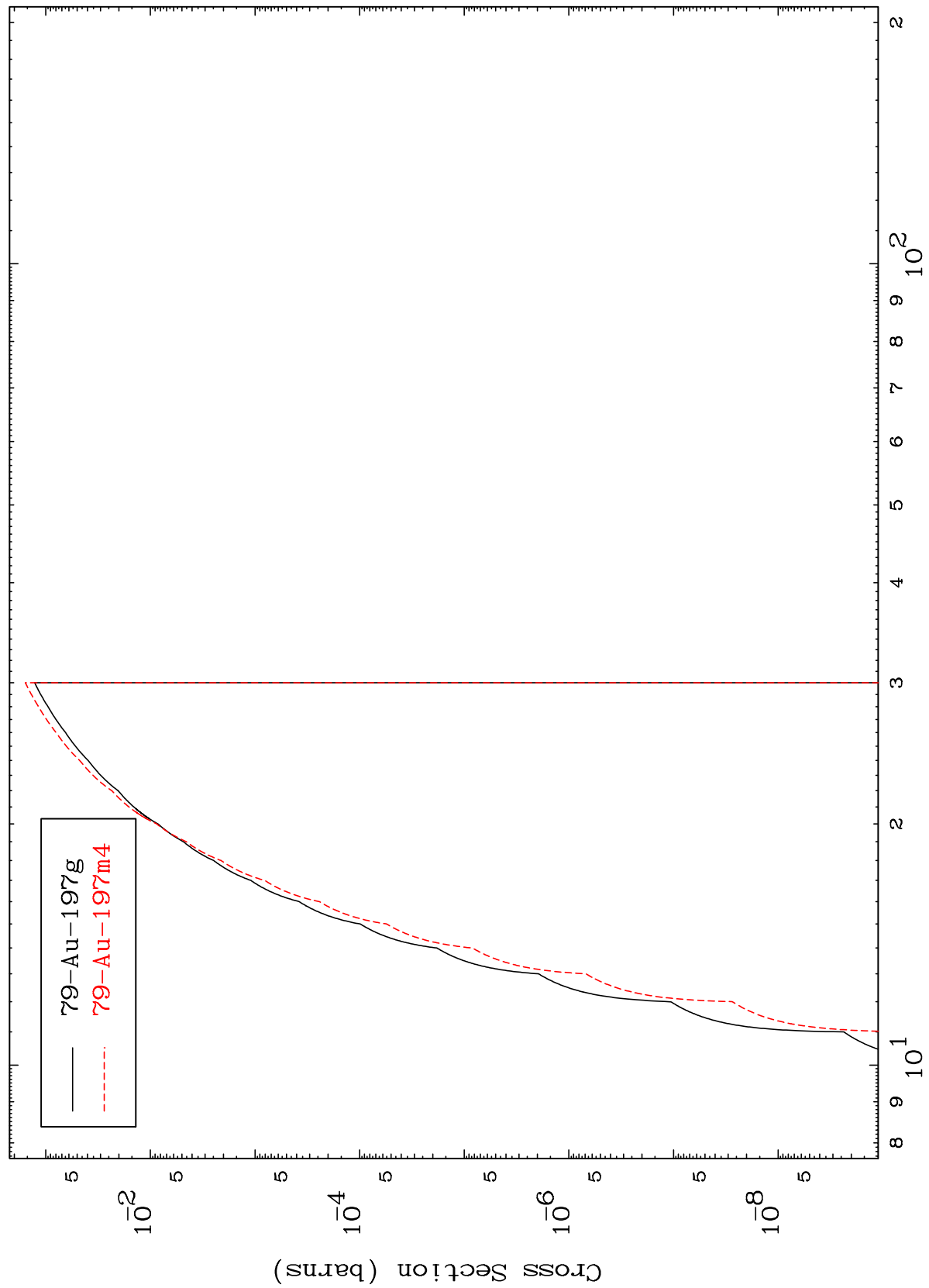
⁷⁹Au-198m

MAT 7929

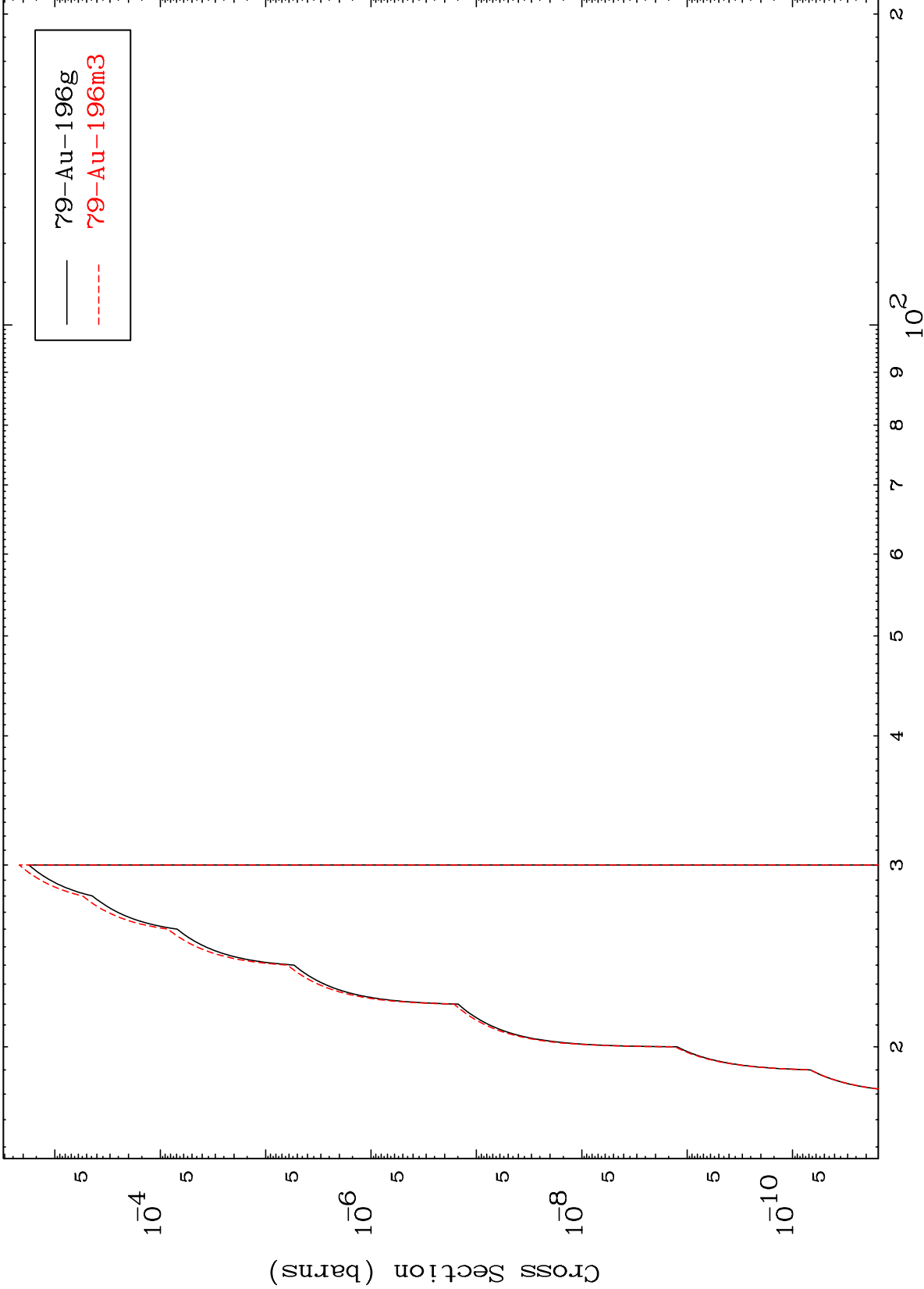
(n,2n) p

⁷⁹Au-198m

Radionuclide Production Cross Section



Radionuclide Production Cross Section

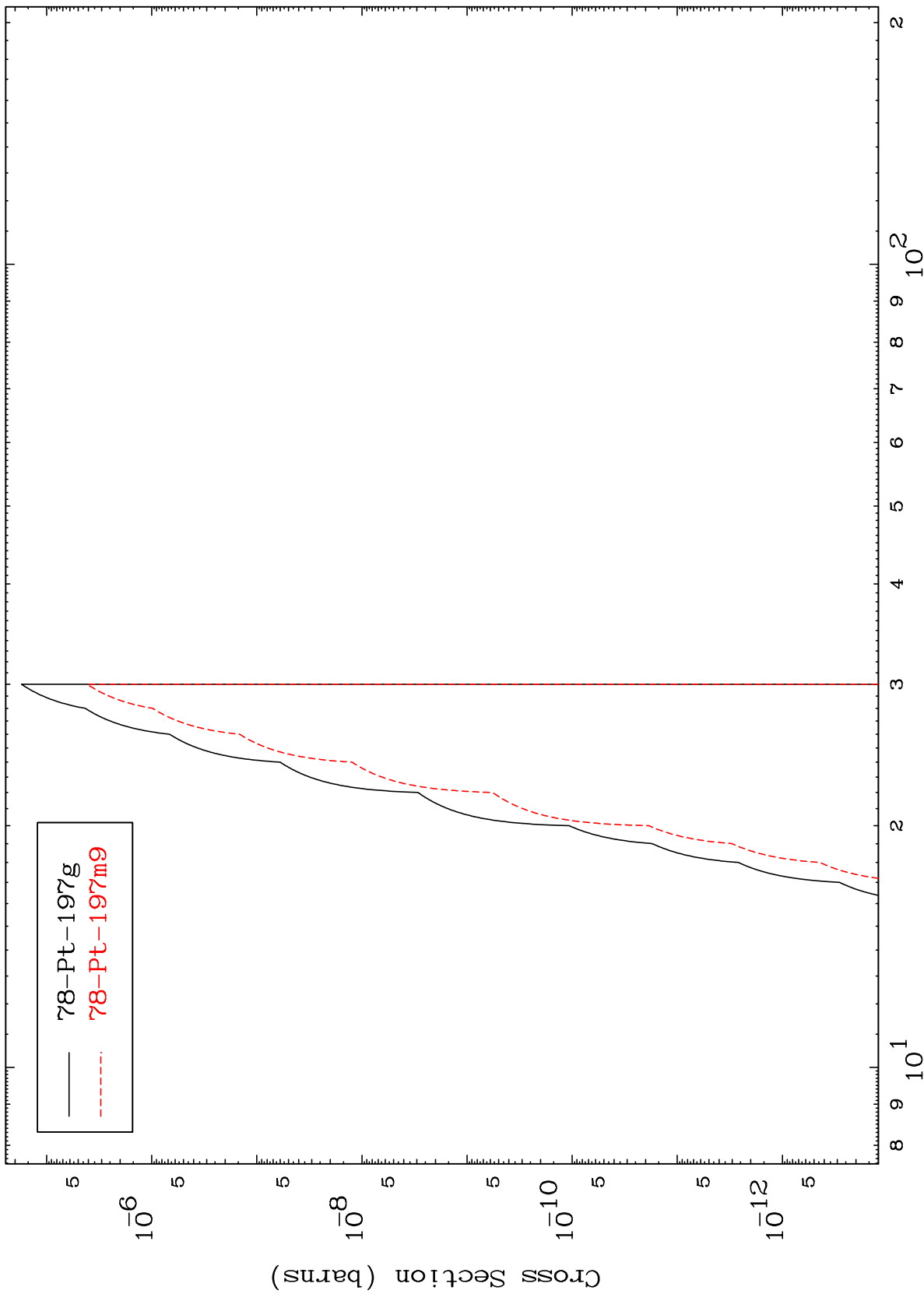


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(n,2n) p

⁷⁹Au-198m

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷⁹Au-198m

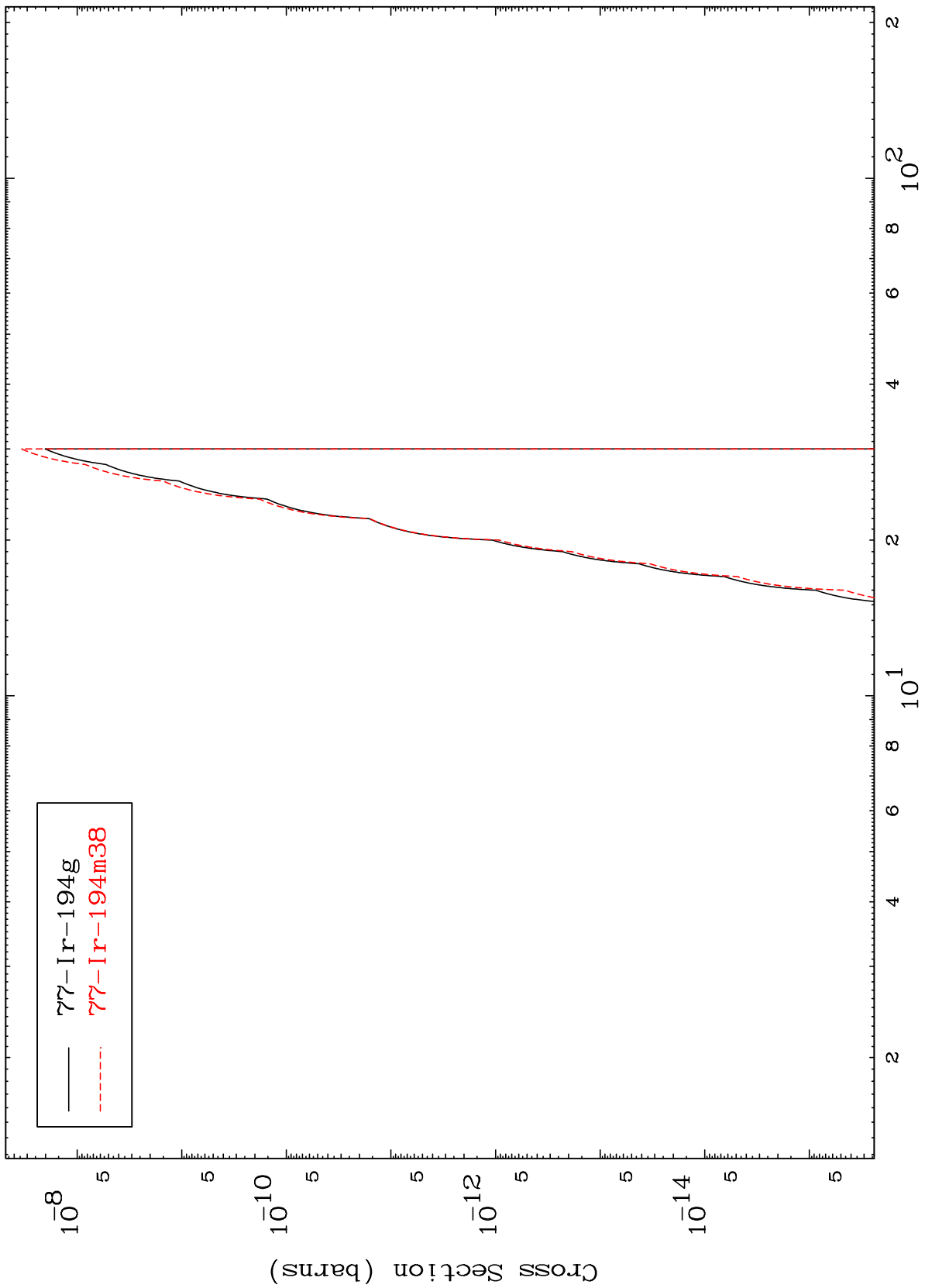
23

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(n,n') p α

⁷⁹Au-198m

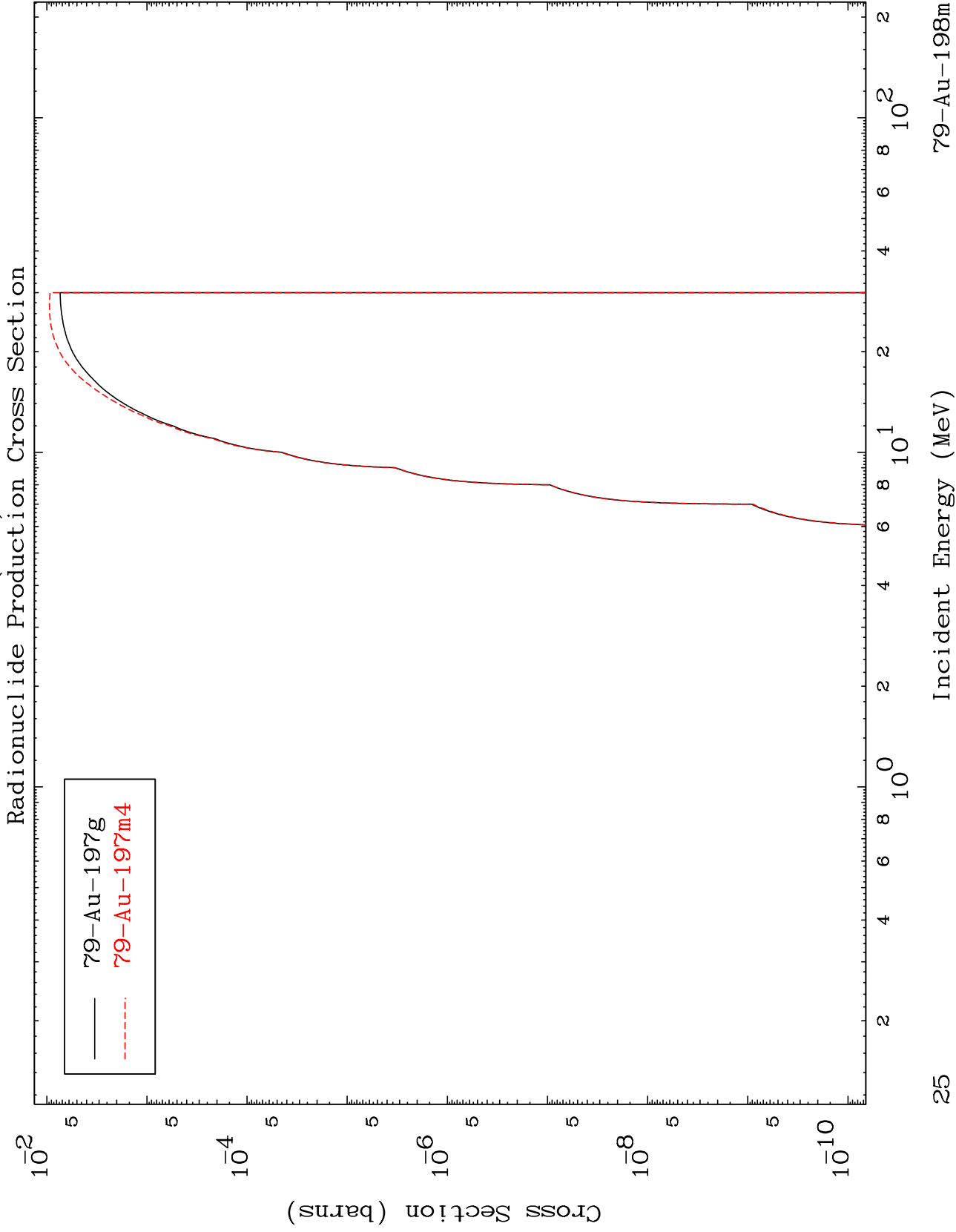
Radionuclide Production Cross Section



MAT 7929

(n, t)

⁷⁹Au-198m

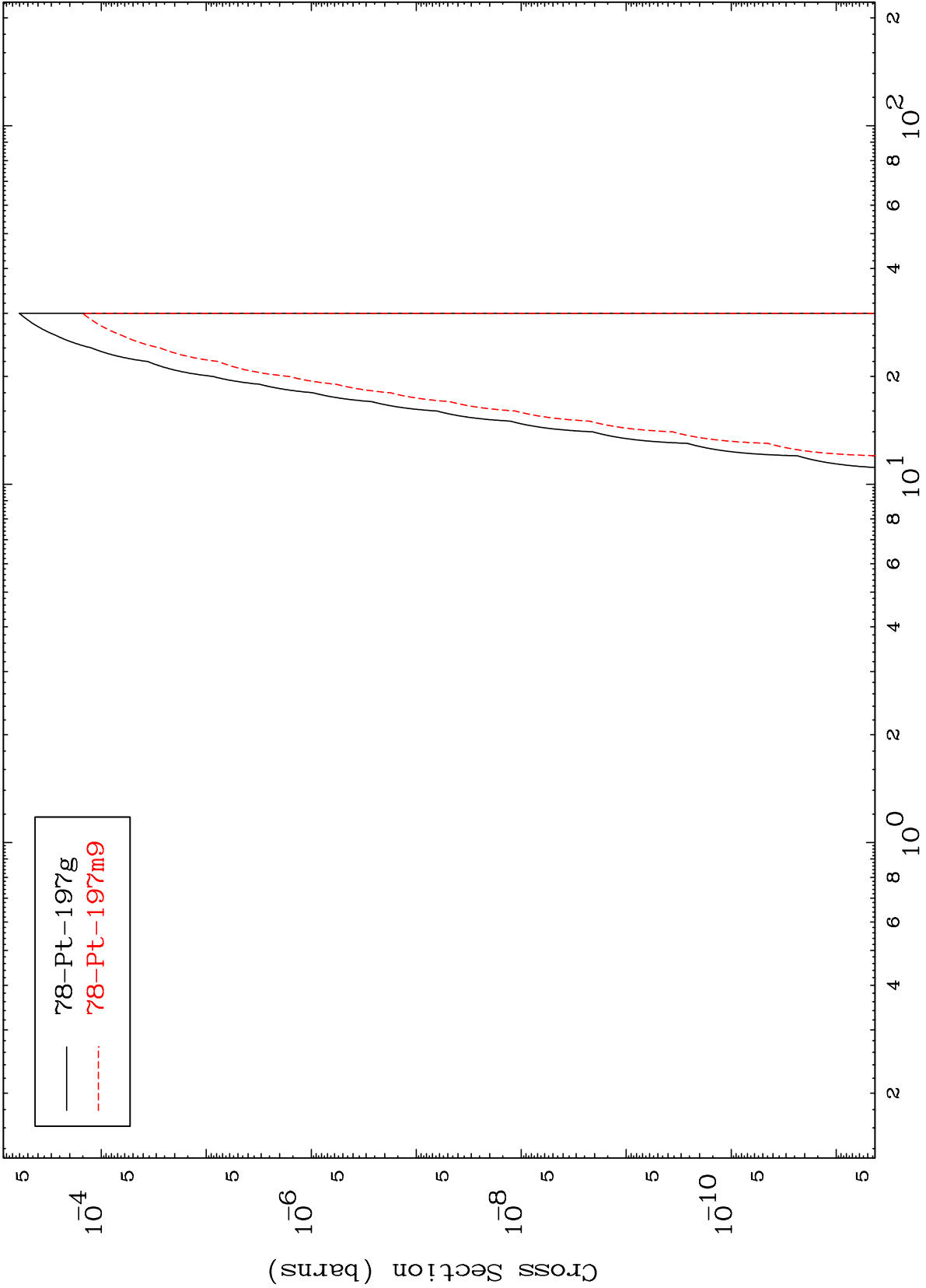


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(n,He-3)

79-Au-198m

Radionuclide Production Cross Section



78-Pt-197g
78-Pt-197m9

Incident Energy (MeV)

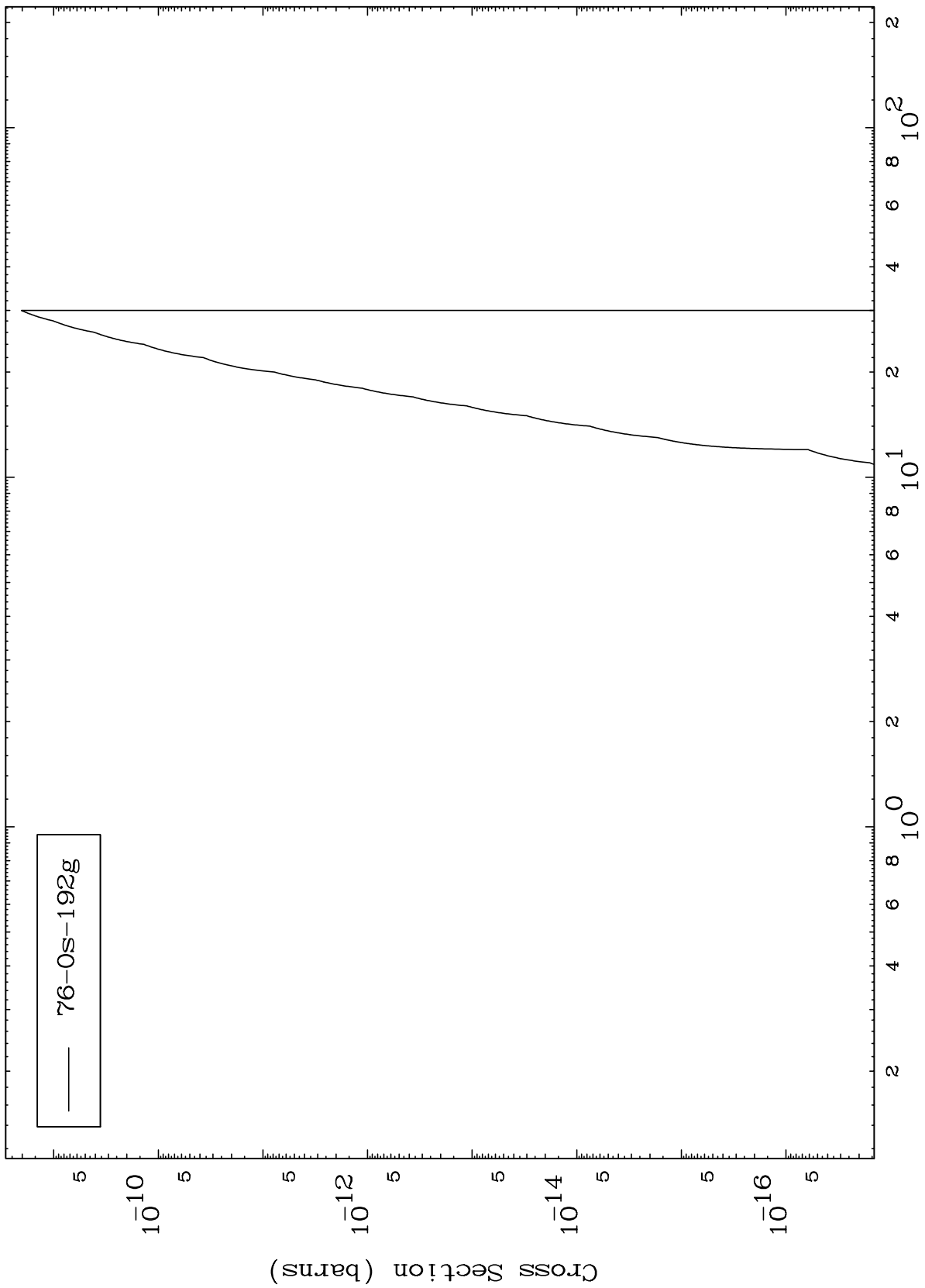
79-Au-198m

26

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79-Au-198m

Radionuclide Production Cross Section
(n,2 α)

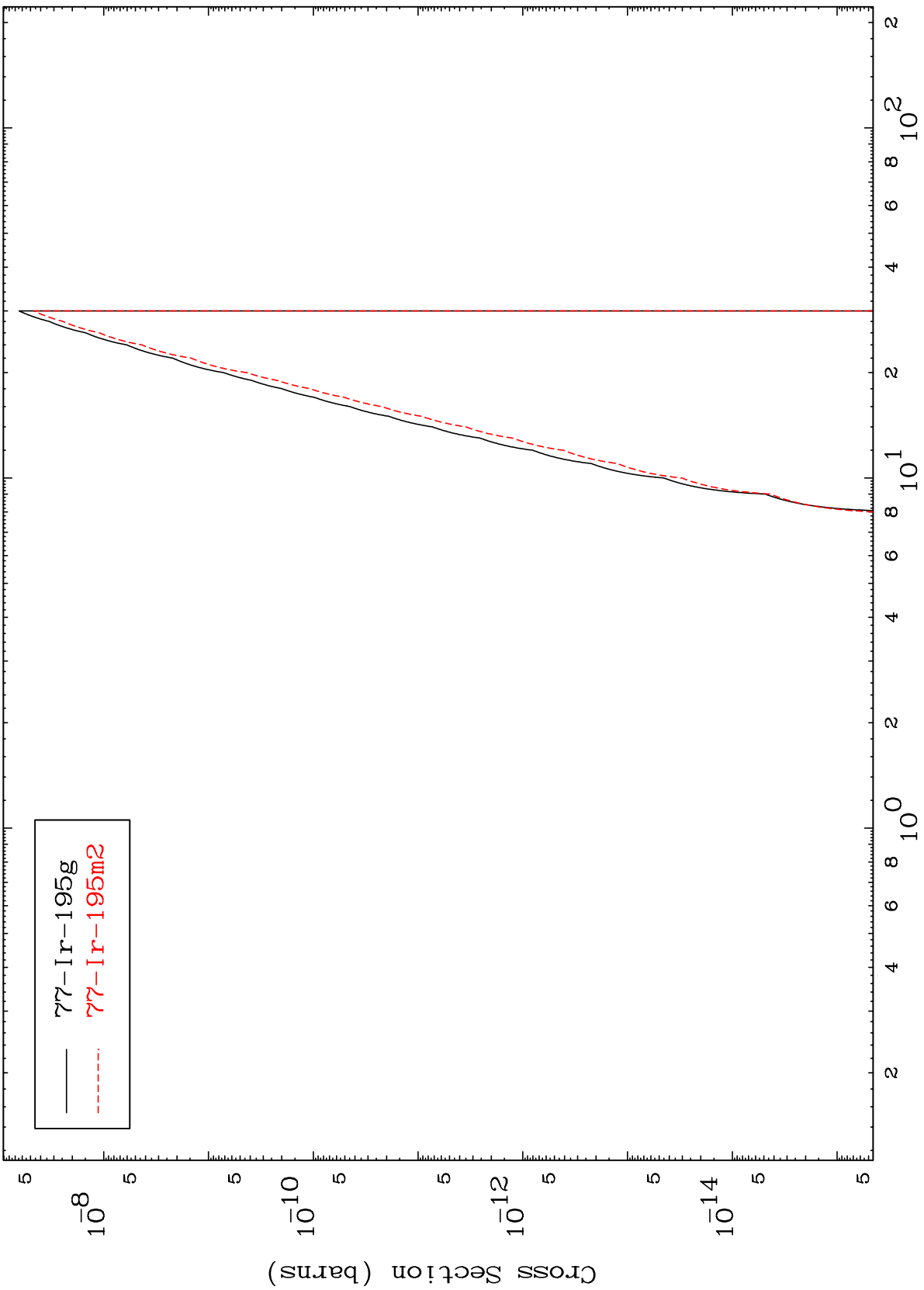


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(n,p) α

⁷⁹Au-198m

Radionuclide Production Cross Section



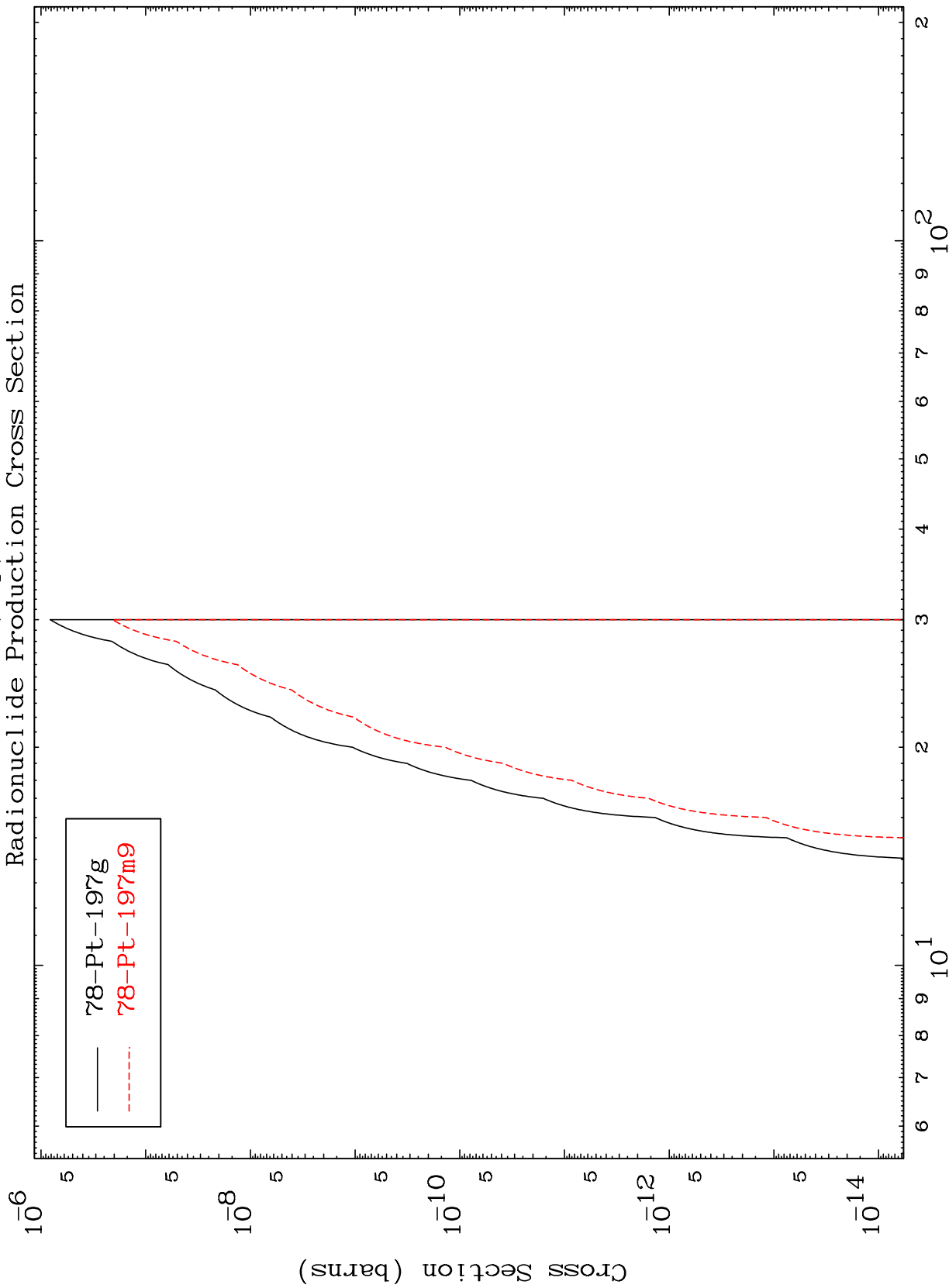
— ⁷⁷Ir-195g
- - - ⁷⁷Ir-195m2

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(n,p) d

79-Au-198m

Radionuclide Production Cross Section



29

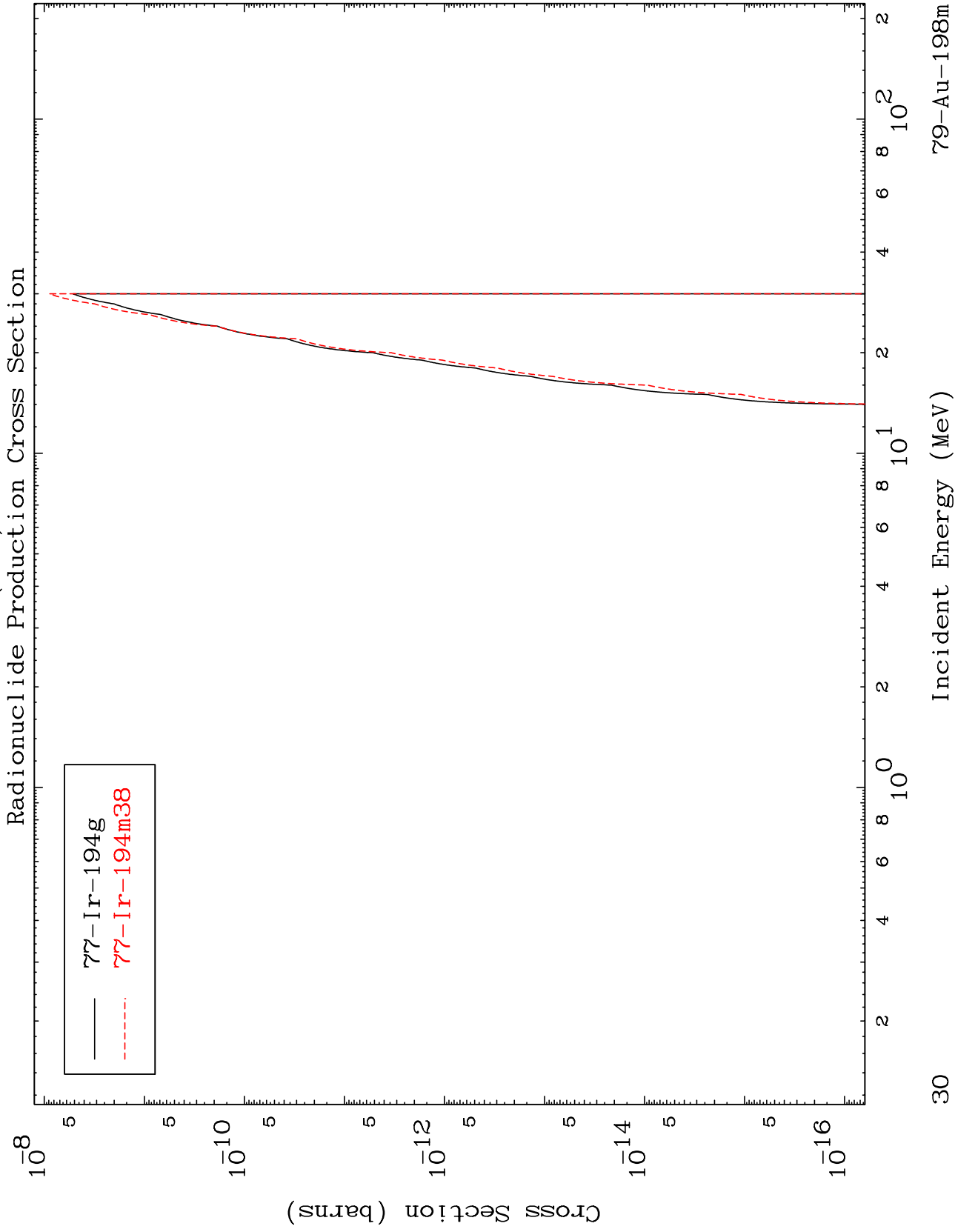
Incident Energy (MeV)

79-Au-198m

MAT 7929

(n,d) α

79-Au-198m



30

79-Au-198m