

Program EVALPLOT
(Version 2021-1)

by

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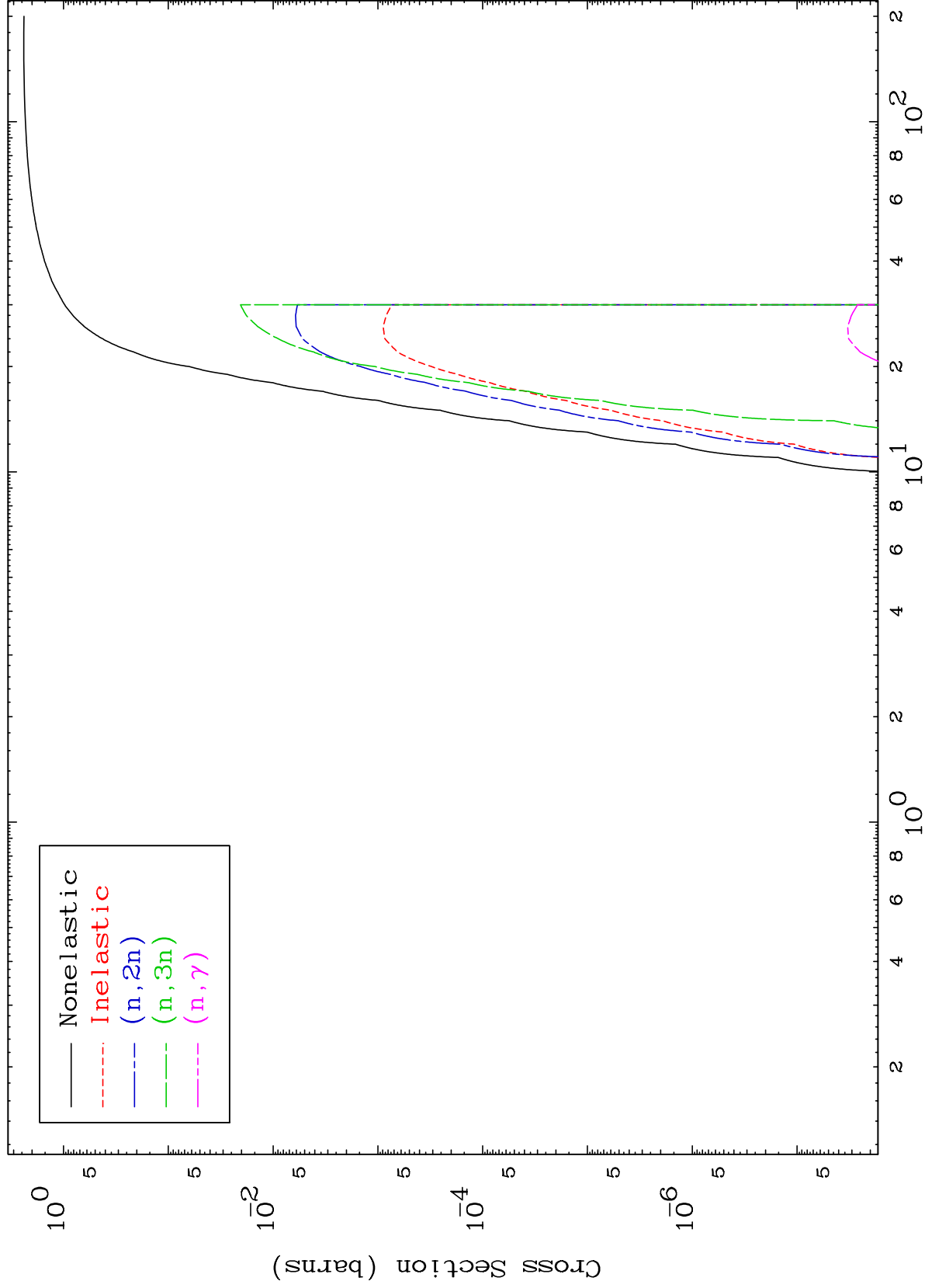
Press Mouse Button to Start

MAT 7924

He-3 Major

$^{79}\text{Au-196n}$

0 Kelvin Cross Sections



1

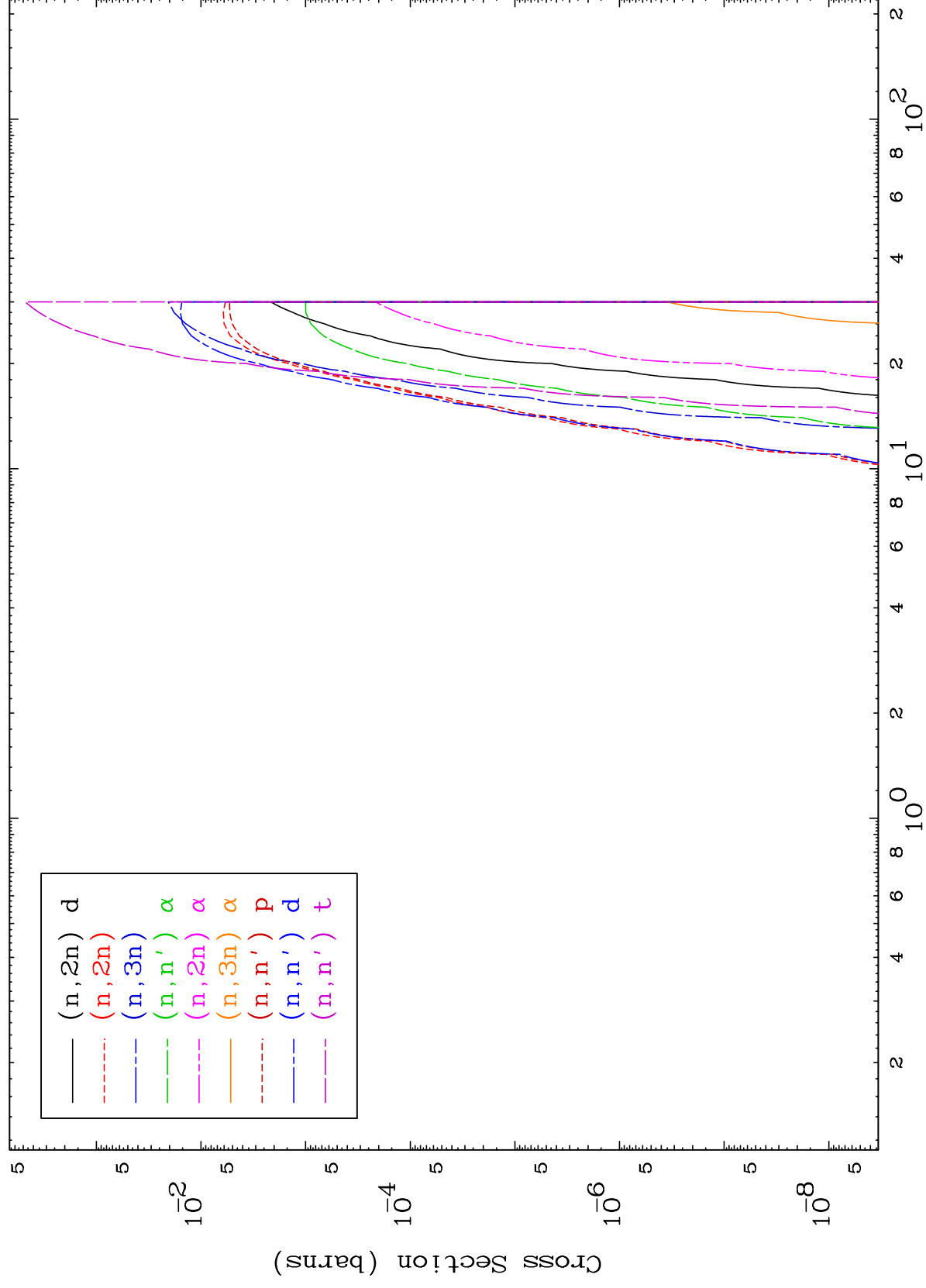
Incident Energy (MeV)

$^{79}\text{Au-196n}$

MAT 7924

He-3 Neutron Absorption
0 Kelvin Cross Sections

79-Au-196n



2

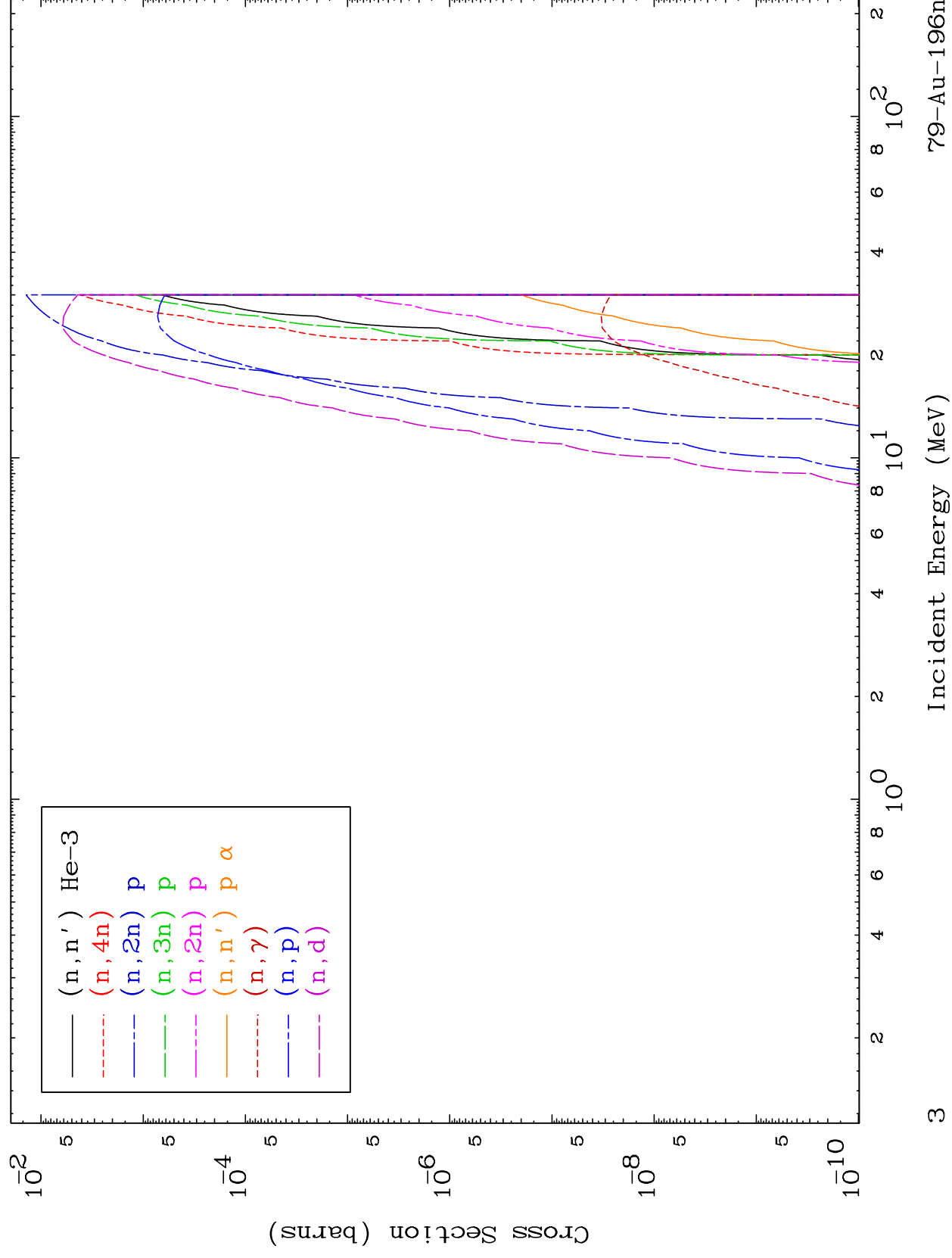
Incident Energy (MeV)

79-Au-196n

MAT 7924

He-3 Neutron Absorption 0 Kelvin Cross Sections

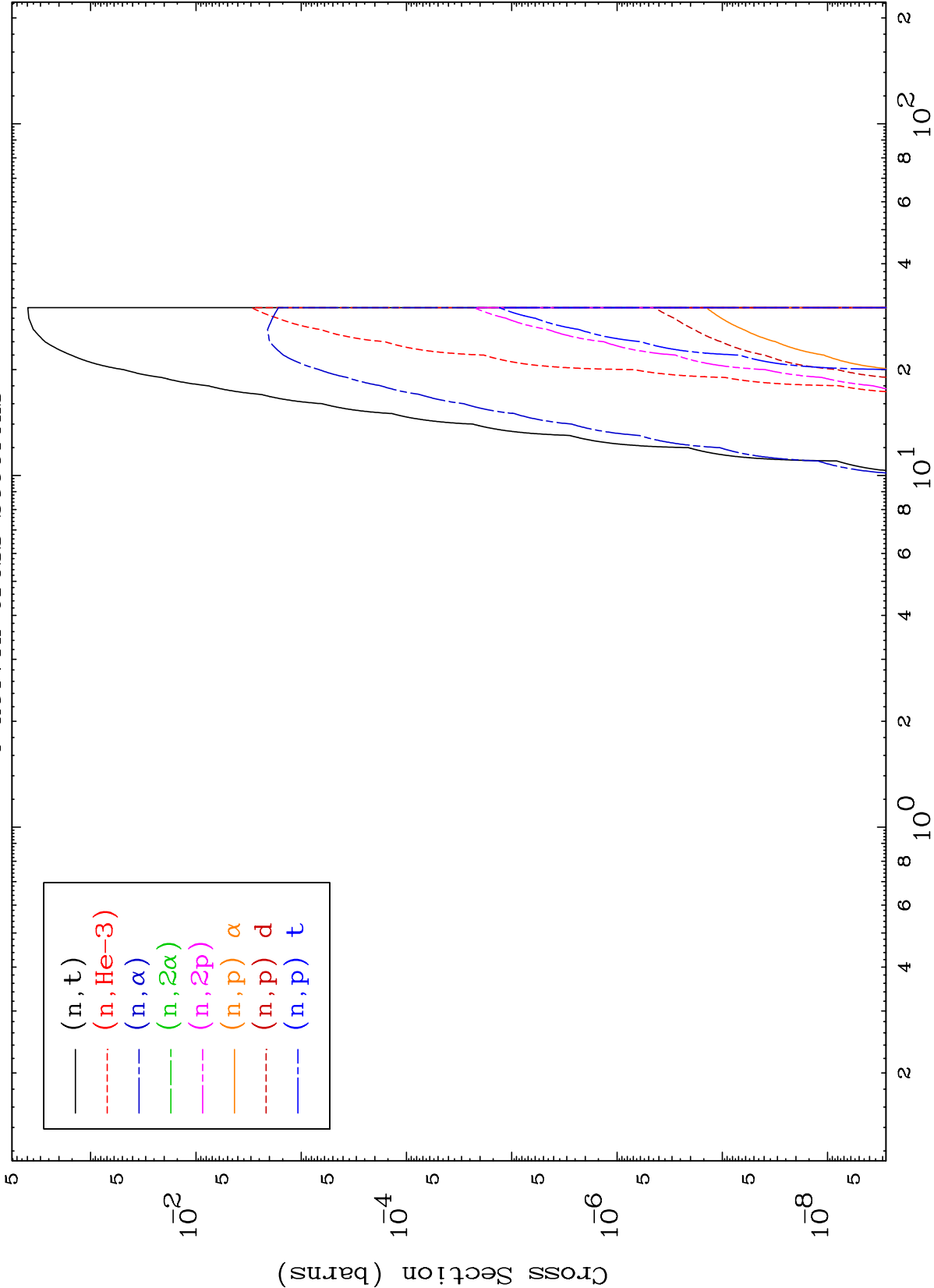
79-Au-196n

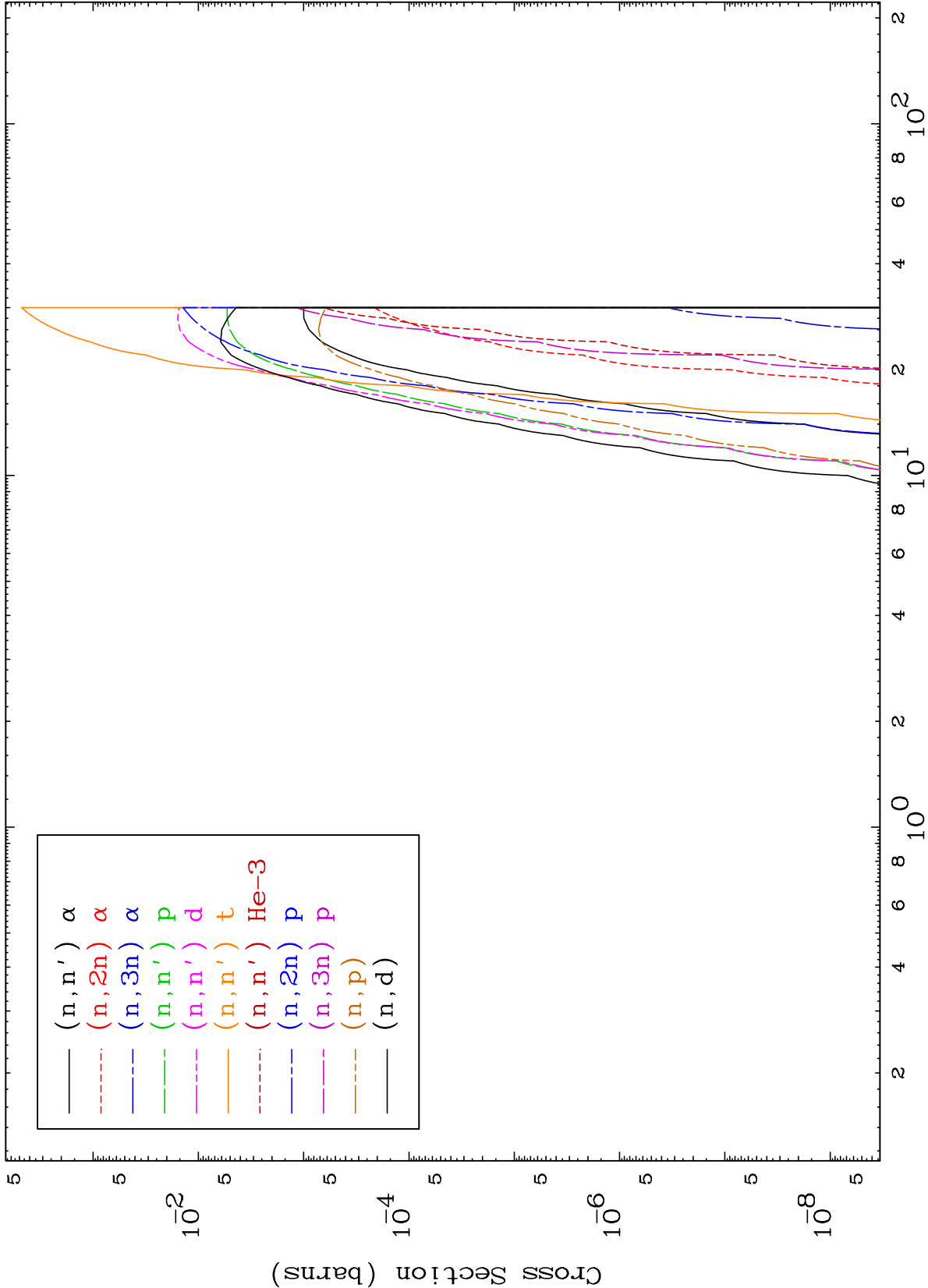


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He-3 Neutron Absorption
0 Kelvin Cross Sections

⁷⁹Au-196n

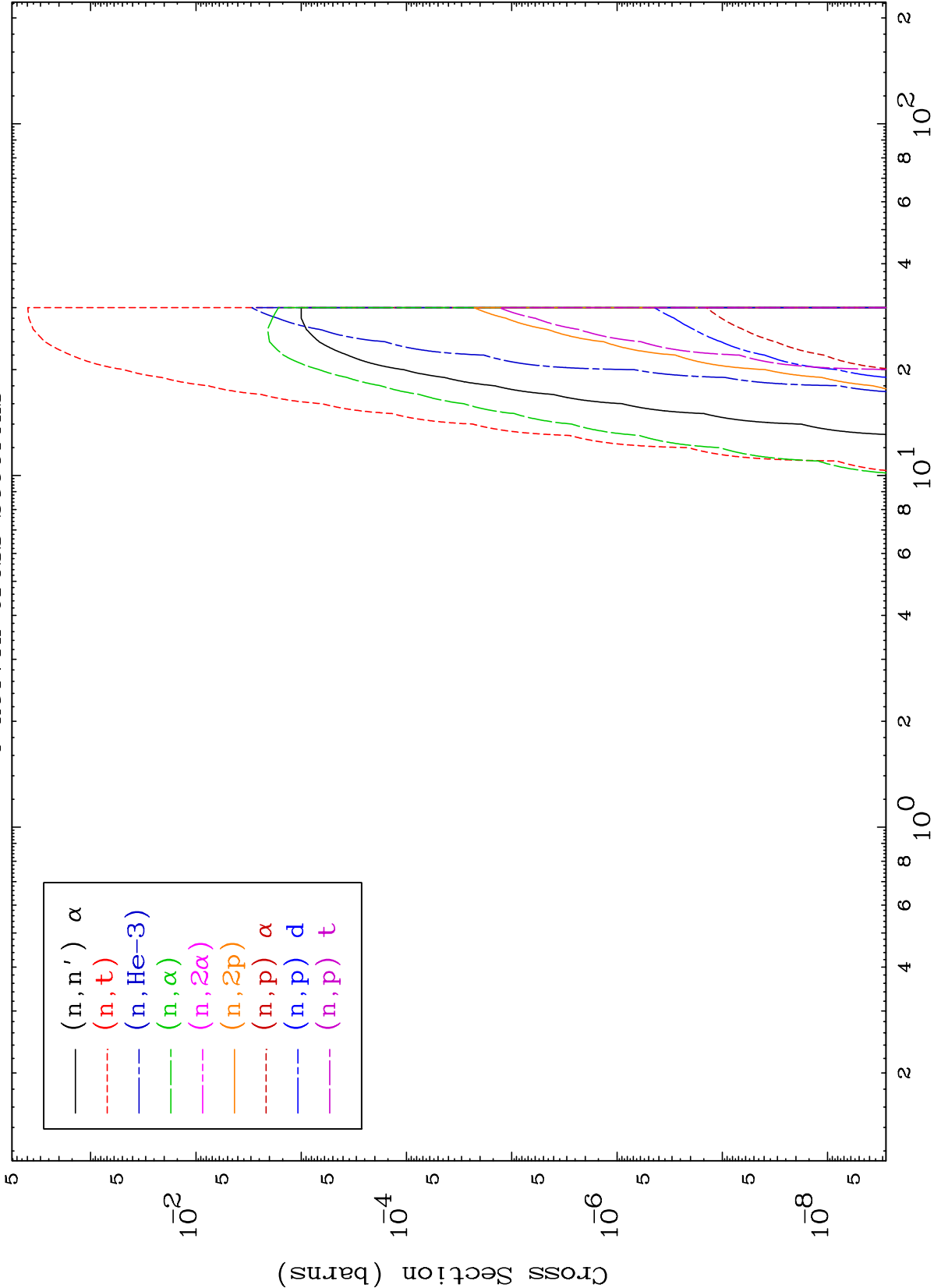




MAT 7924

He-3 Charged Particle
0 Kelvin Cross Sections

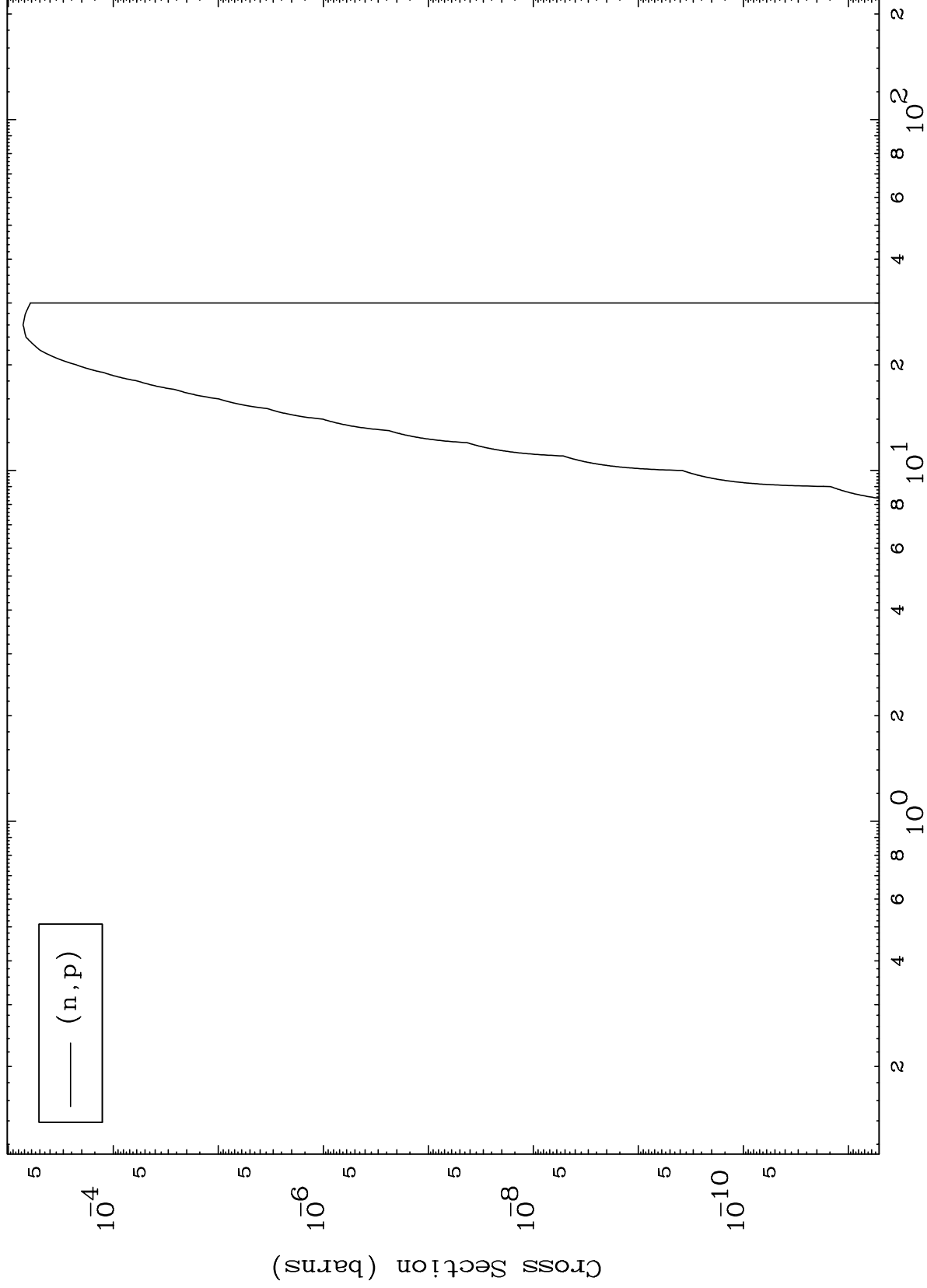
79-Au-196n



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⁷⁹Au-196n

(He-3,p) Levels
0 Kelvin Cross Sections



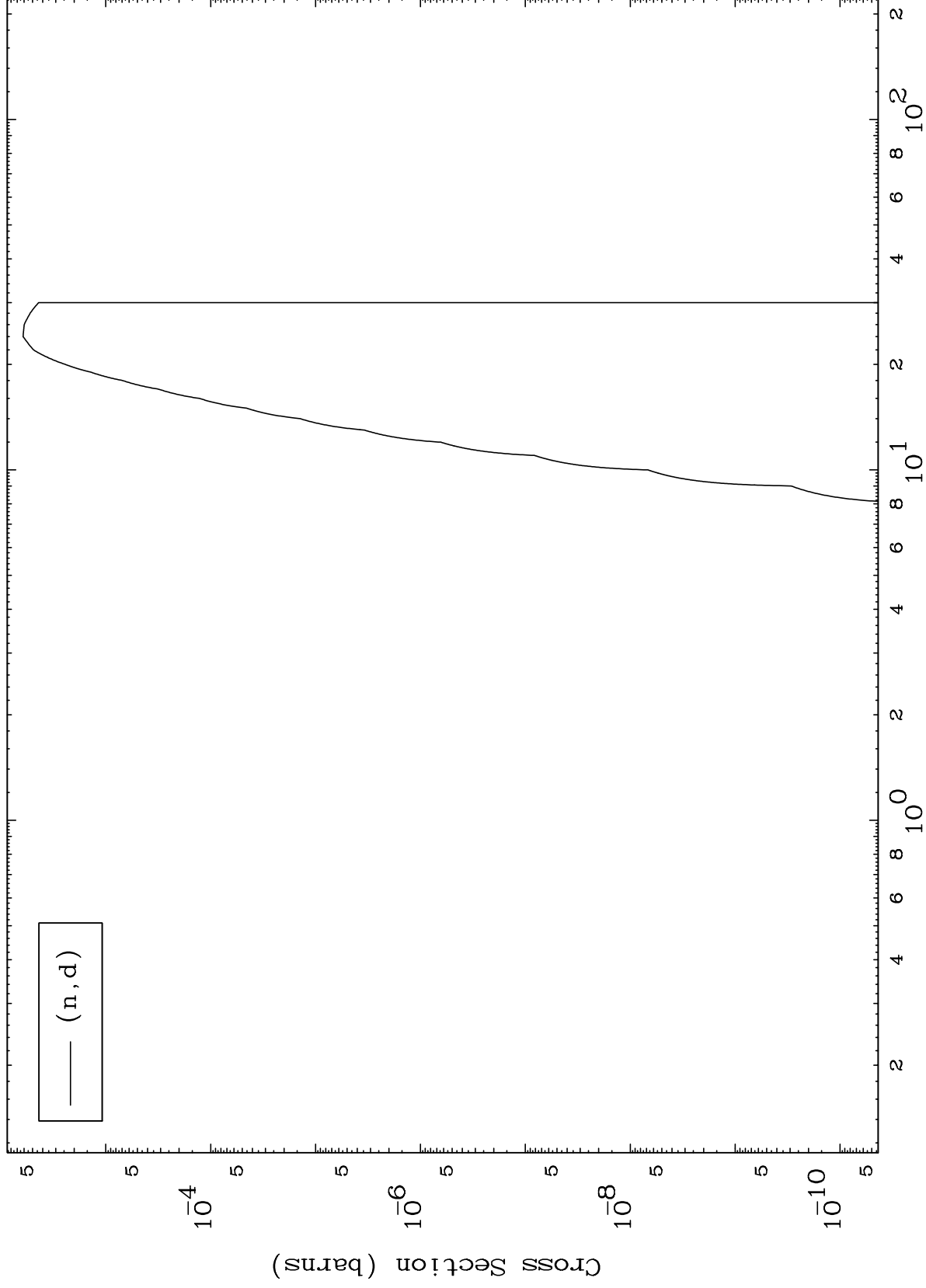
7

⁷⁹Au-196n

MAT 7924

⁷⁹Au-196n

(He-3,d) Levels
0 Kelvin Cross Sections

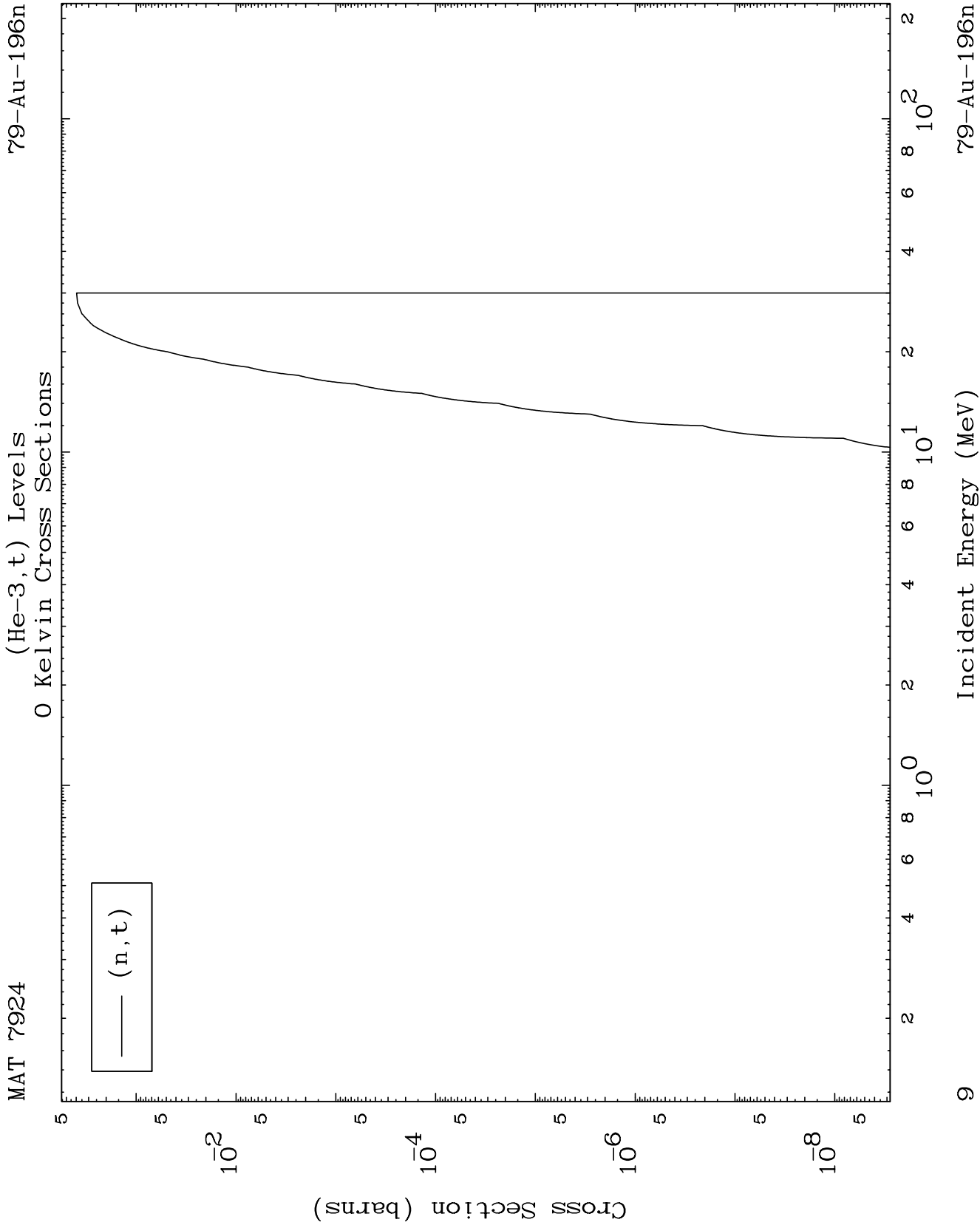


— (n,d)

⁷⁹Au-196n

Incident Energy (MeV)

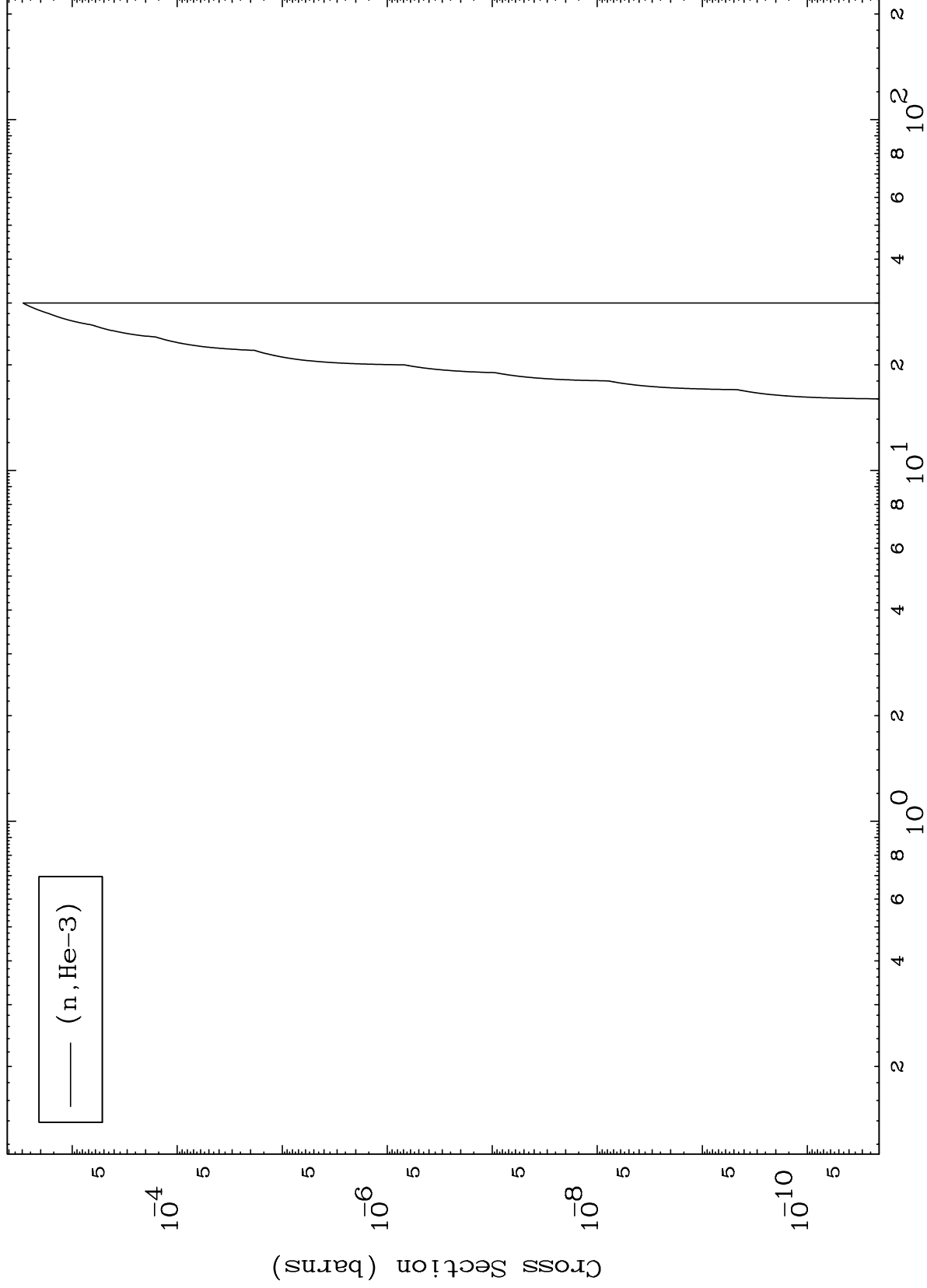
8



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79-Au-196n

(He-3,He3) Levels
0 Kelvin Cross Sections



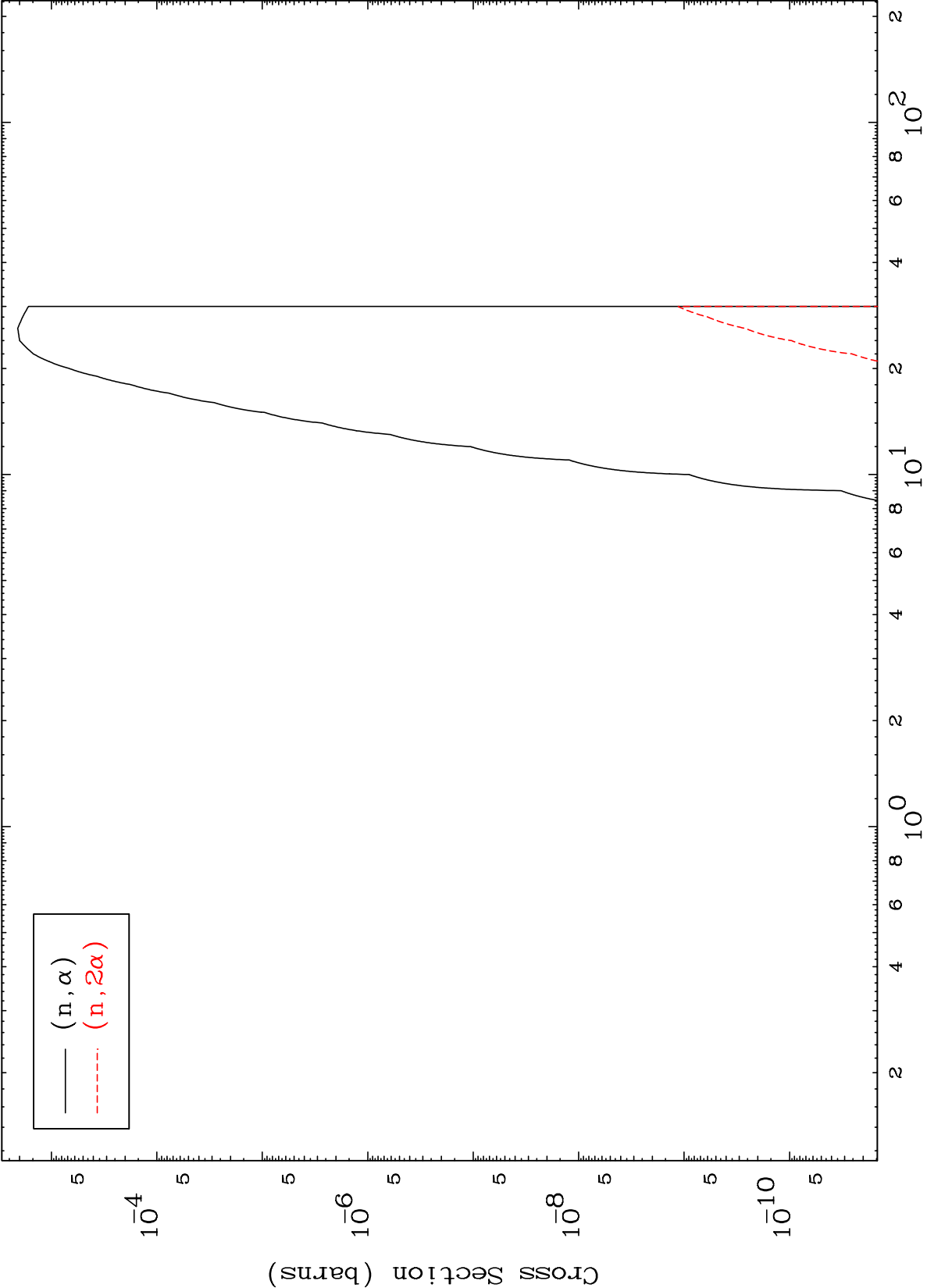
— (n, He-3)

79-Au-196n

Incident Energy (MeV)

10

0 Kelvin Cross Sections

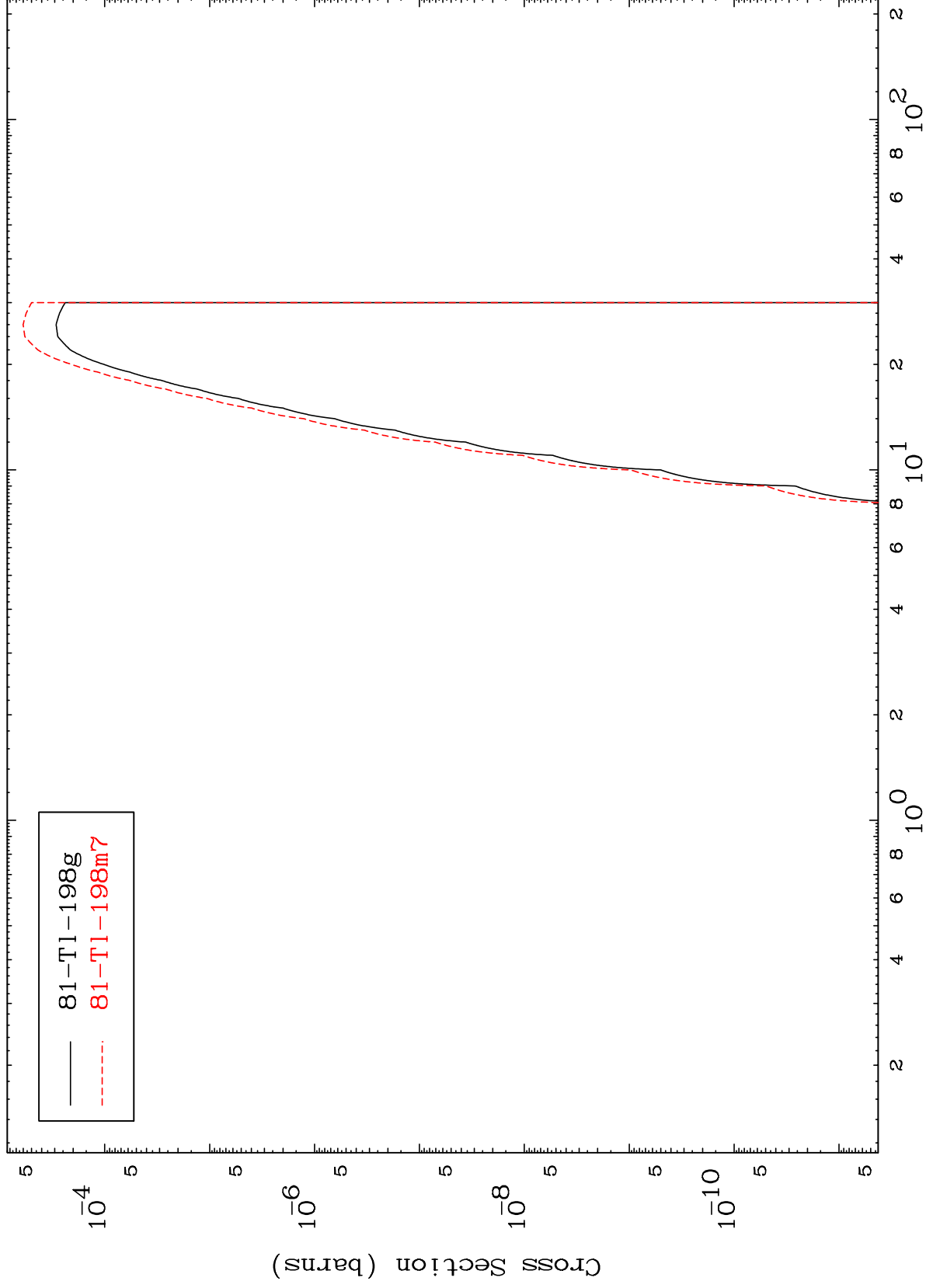


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Inelastic

$^{79}\text{Au}-^{196}\text{n}$

Radionuclide Production Cross Section



12

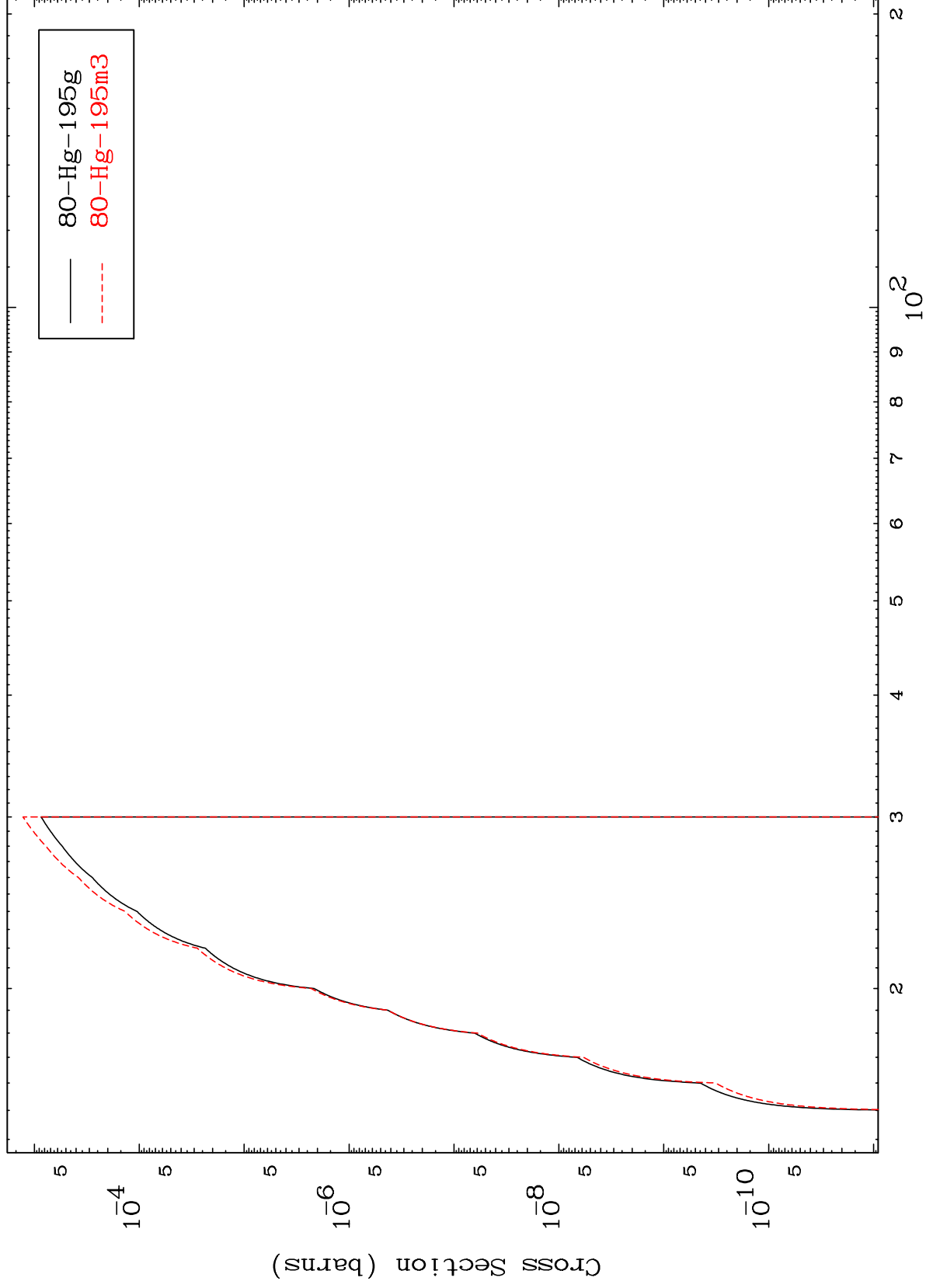
Incident Energy (MeV)

$^{79}\text{Au}-^{196}\text{n}$

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⁷⁹Au-¹⁹⁶n

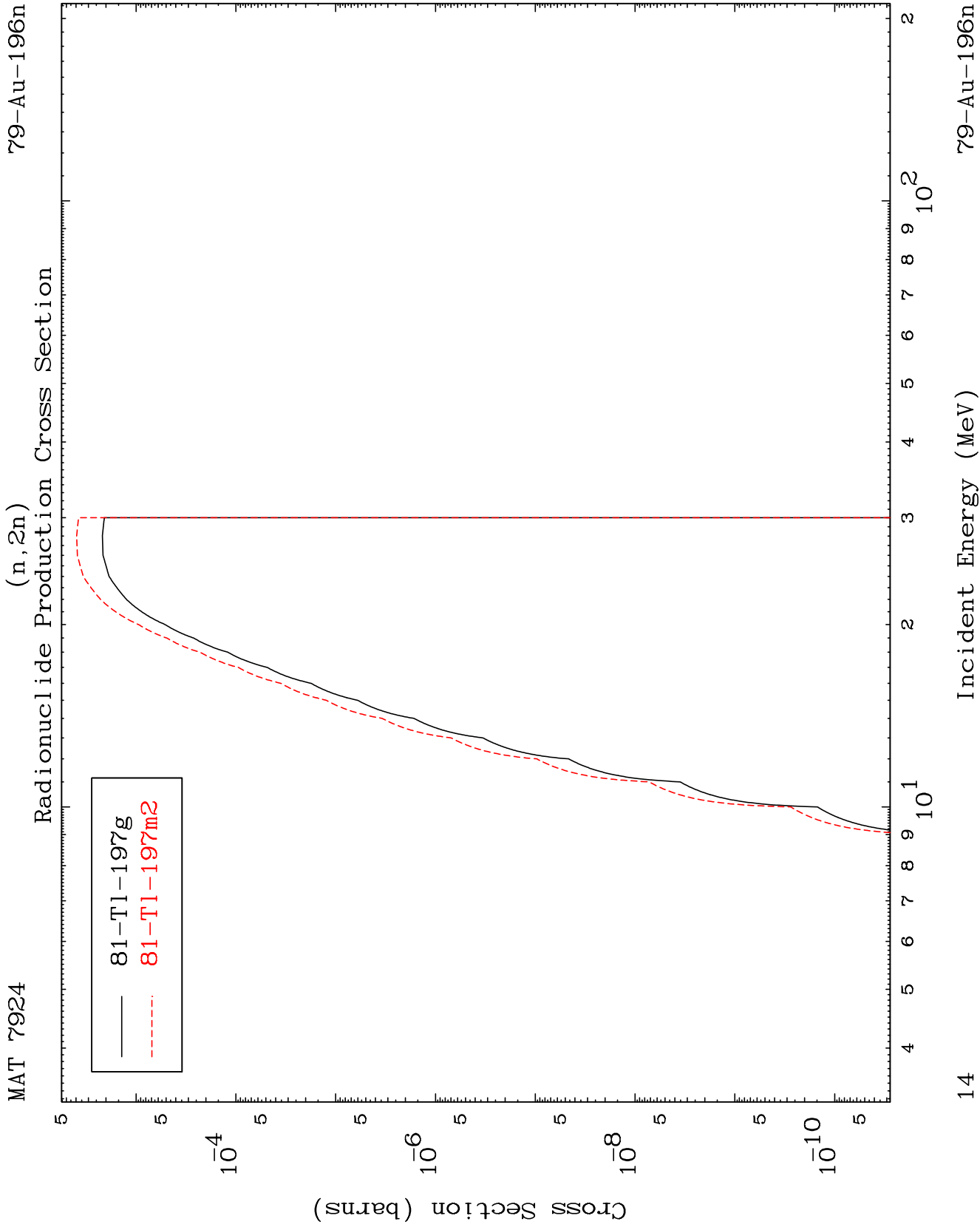
(n,2n) d
Radionuclide Production Cross Section

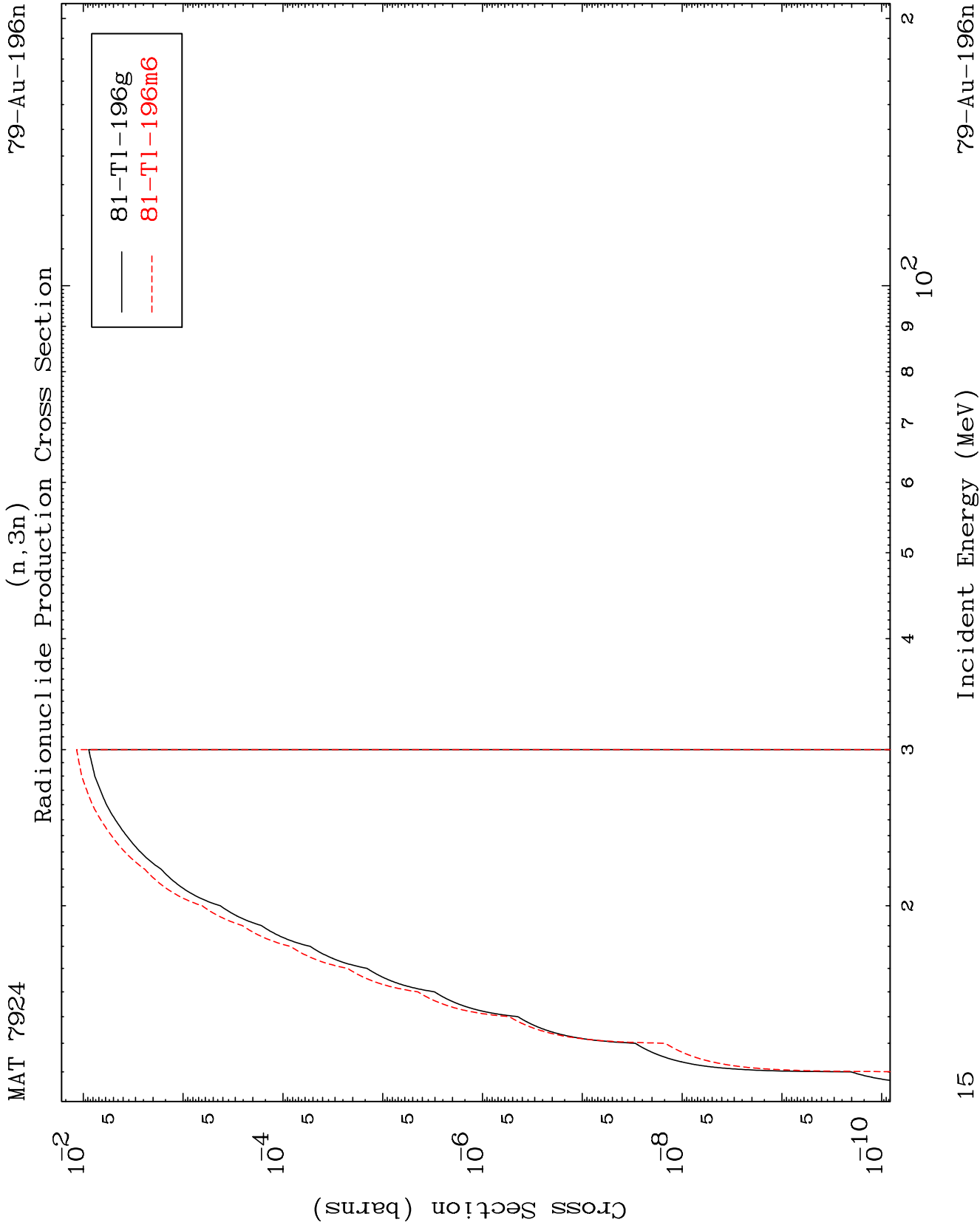


13

Incident Energy (MeV)

⁷⁹Au-¹⁹⁶n



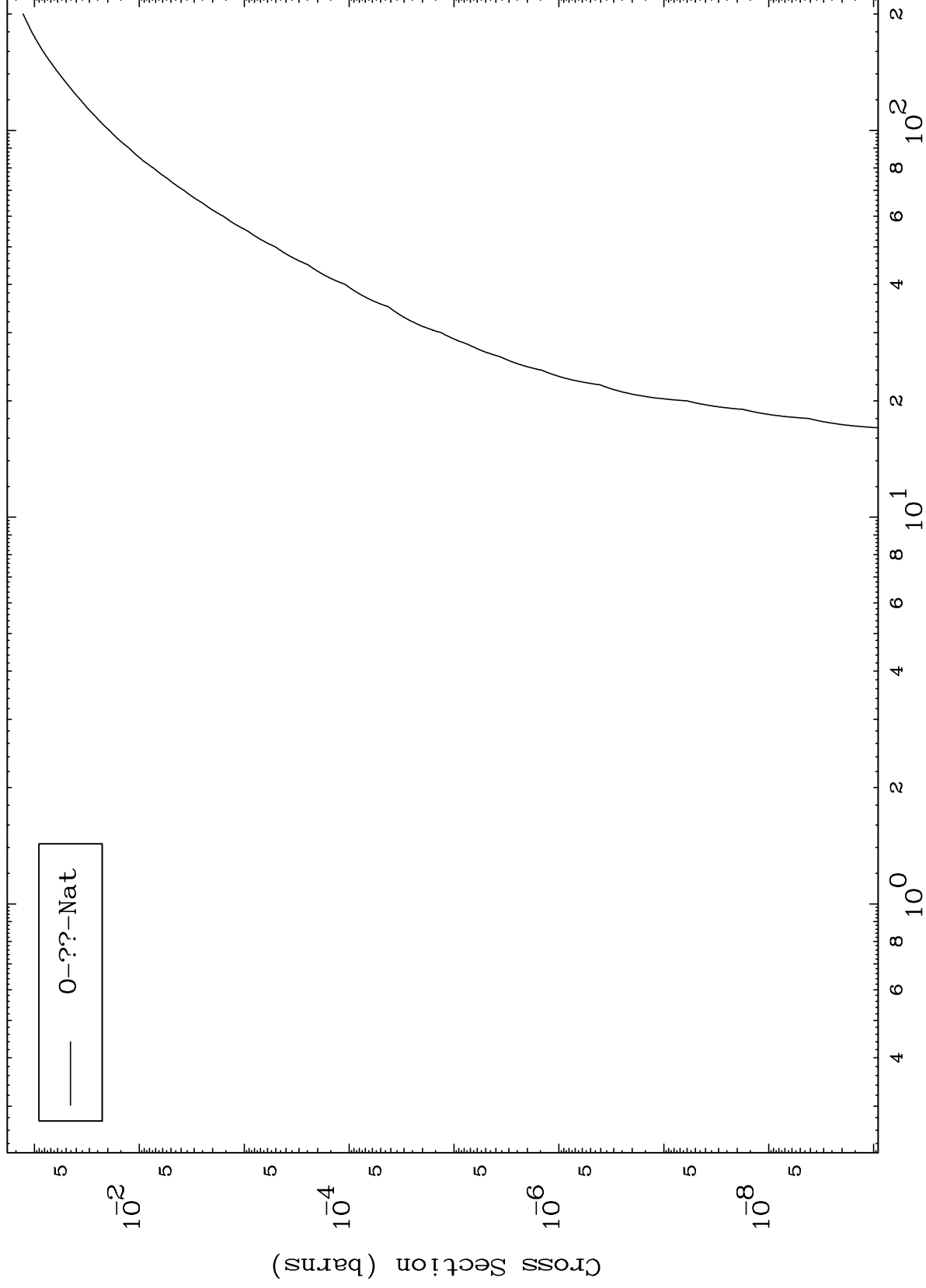


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Fission

⁷⁹Au-196n

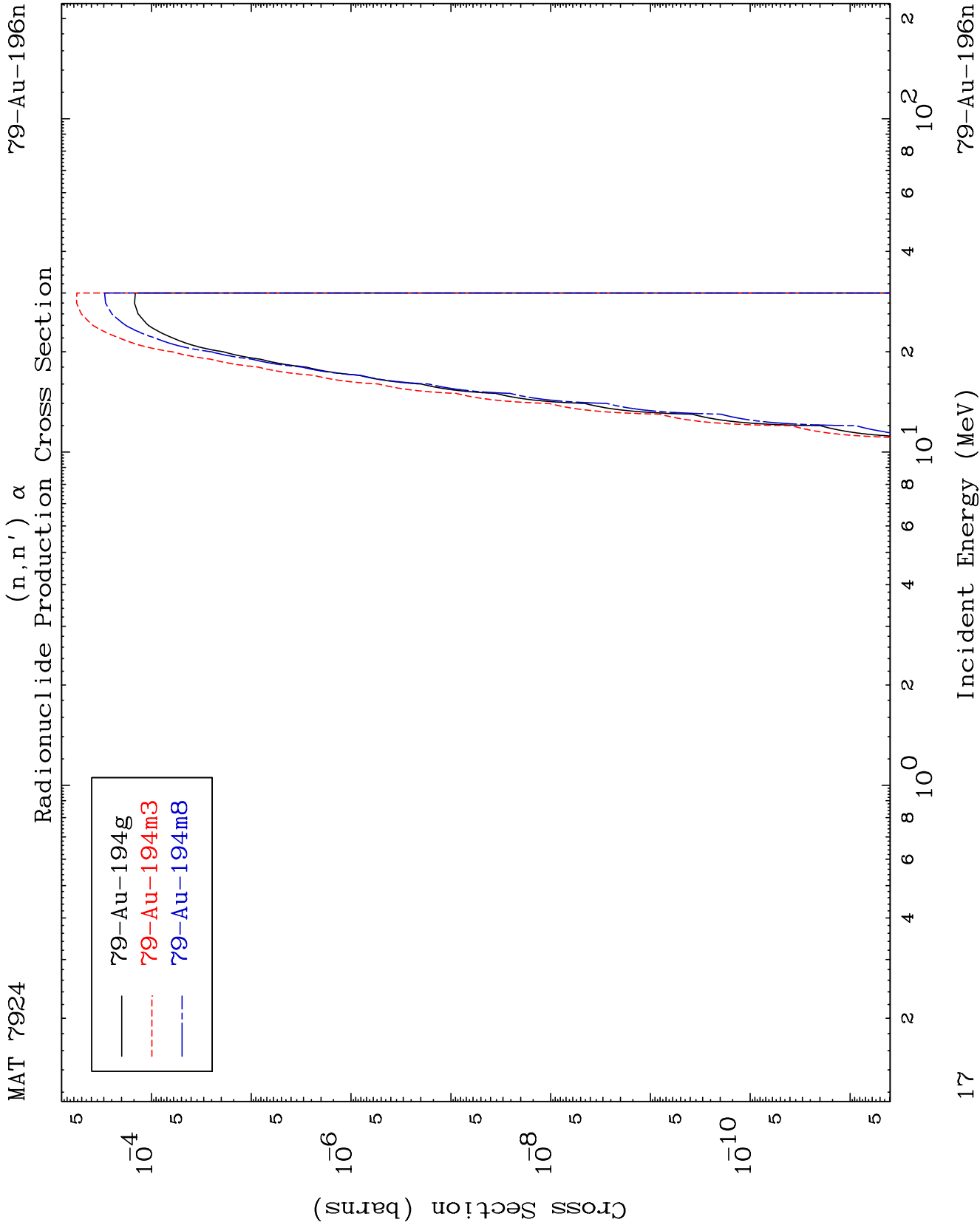
Radionuclide Production Cross Section

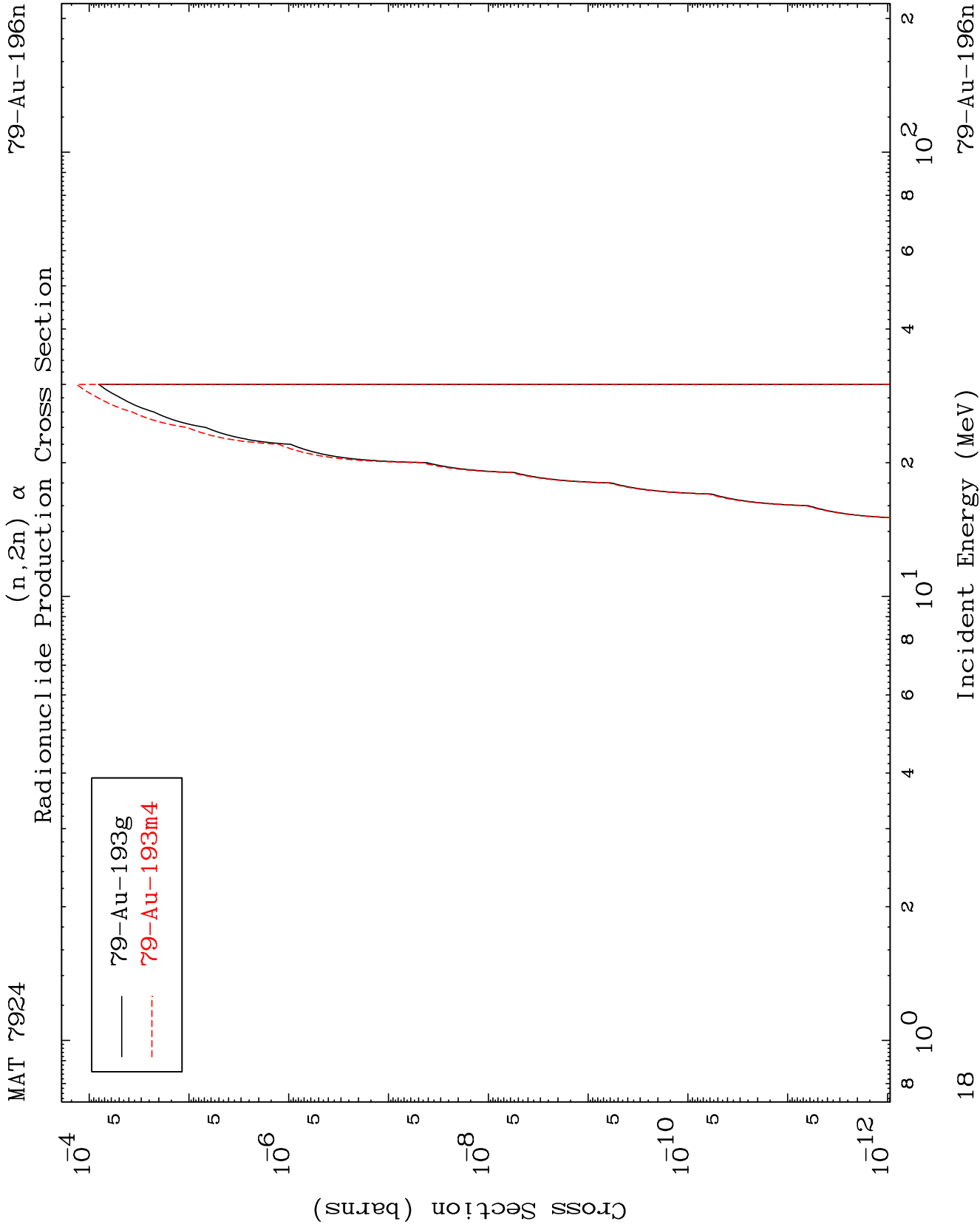


Incident Energy (MeV)

⁷⁹Au-196n

16

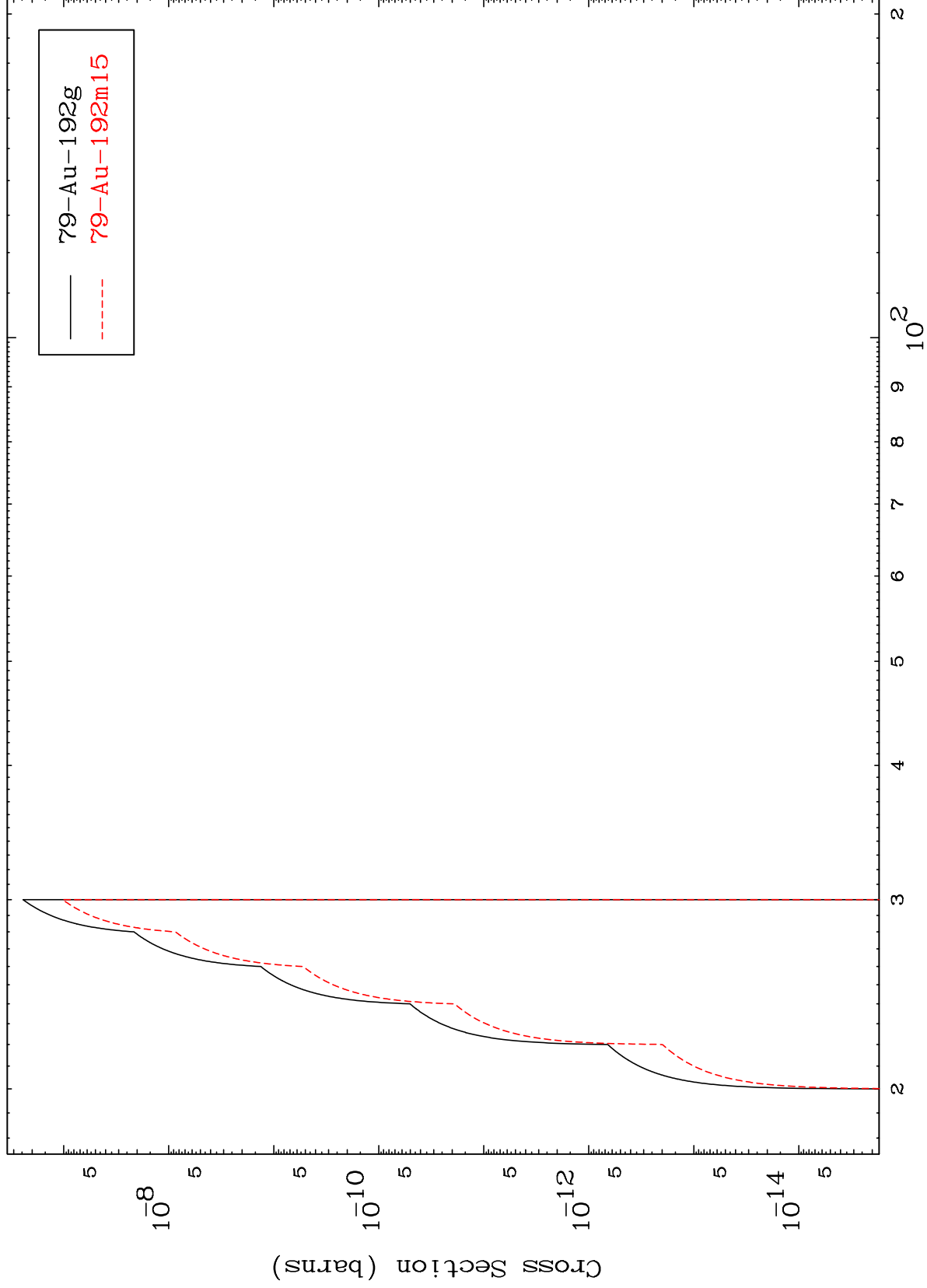




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$^{79}\text{Au-196n}$

$(n,3n) \alpha$
Radionuclide Production Cross Section



19

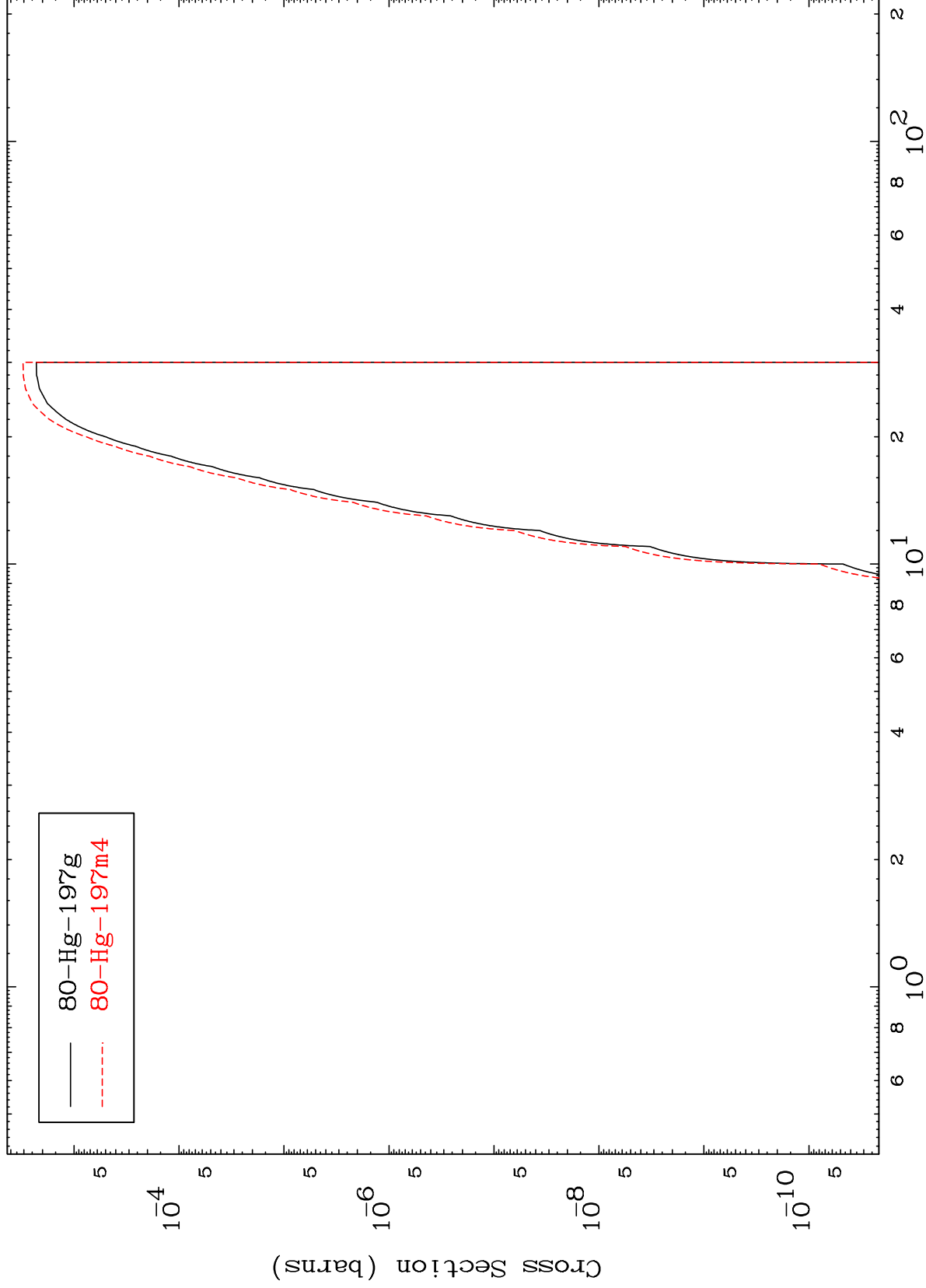
Incident Energy (MeV)

$^{79}\text{Au-196n}$

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$^{79}\text{Au-196n}$

$(n,n')\text{ p}$
Radionuclide Production Cross Section



20

Incident Energy (MeV)

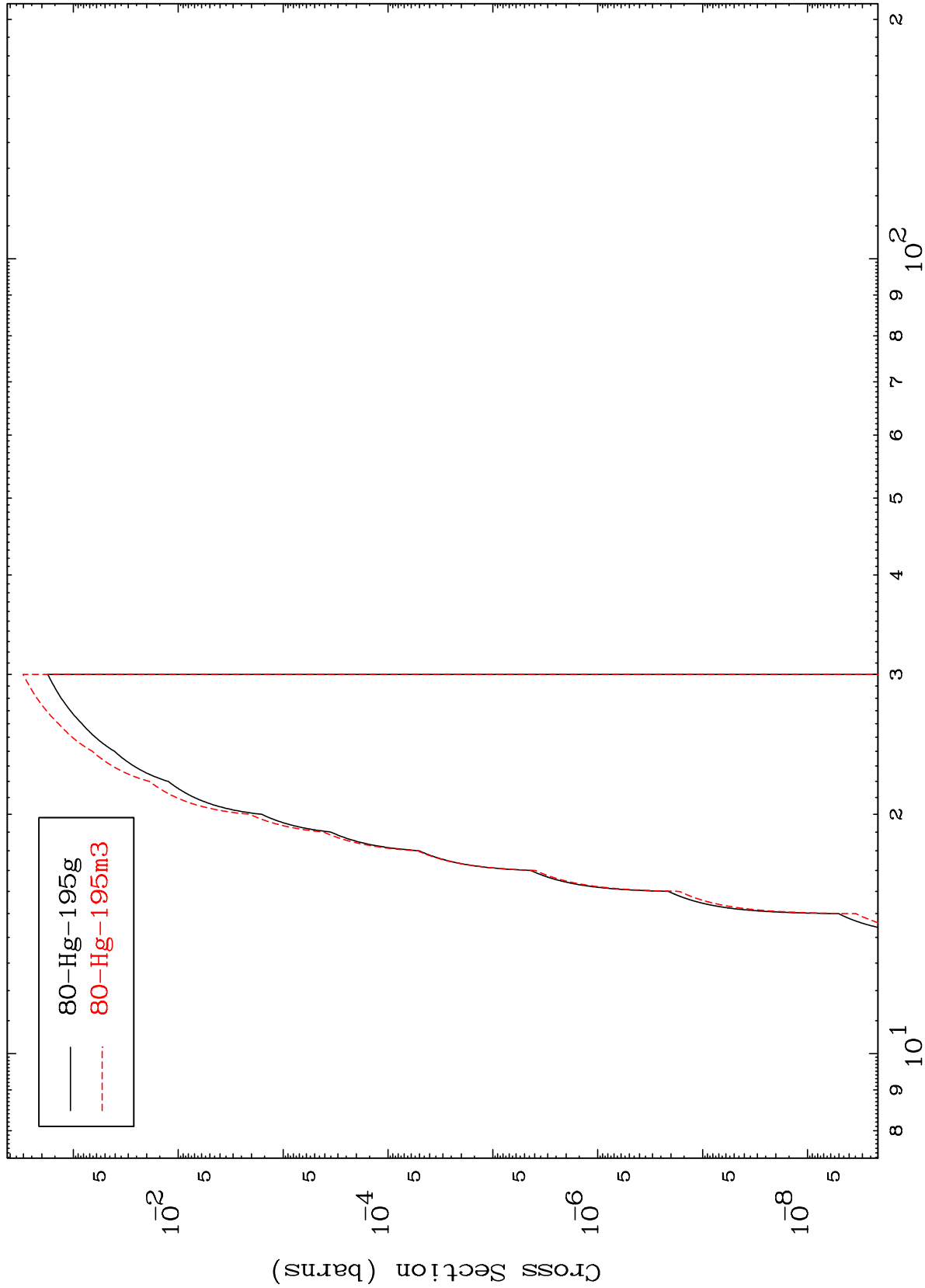
$^{79}\text{Au-196n}$

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$^{79}\text{Au-196n}$

Radionuclide Production Cross Section

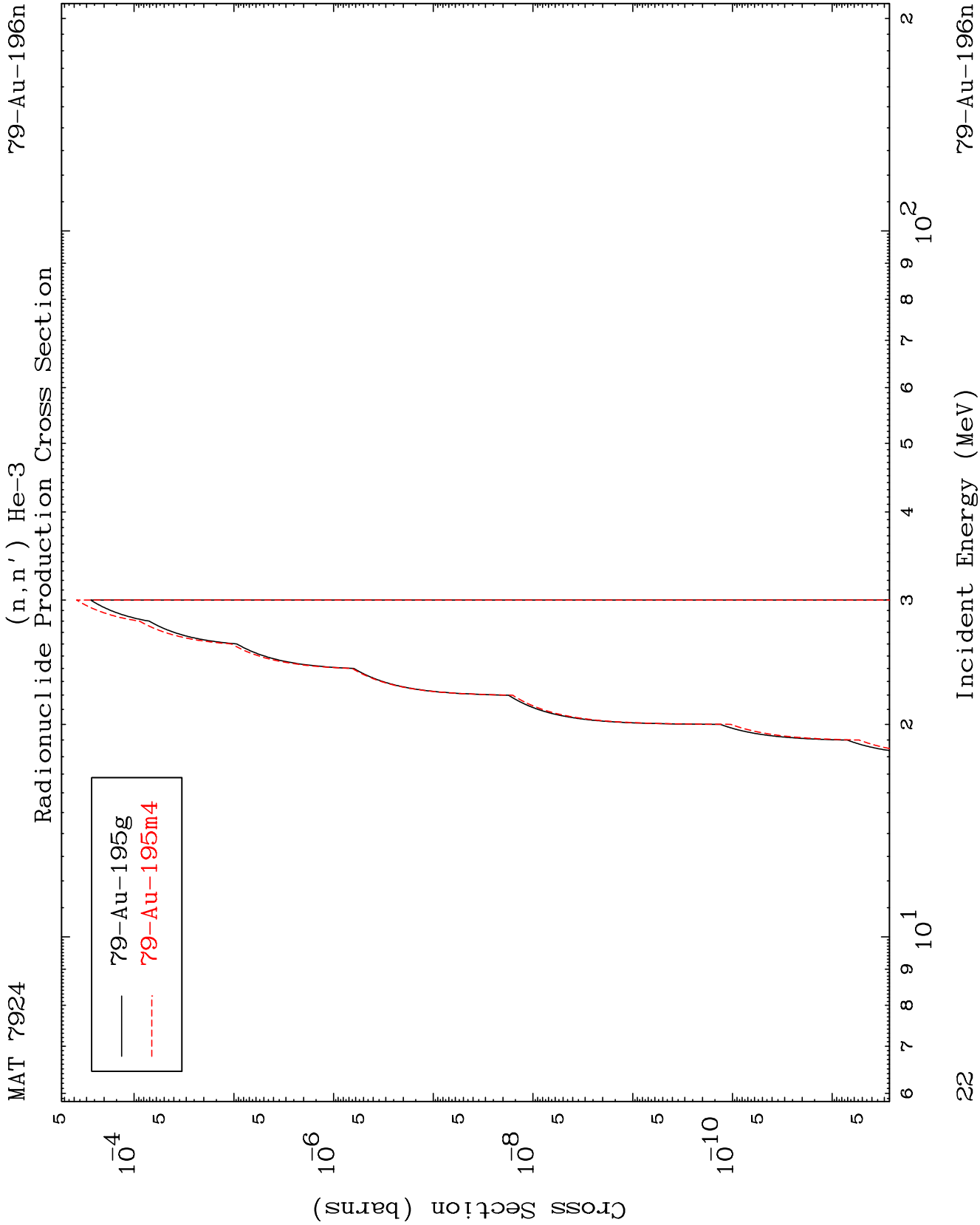
$(n,n')\ t$

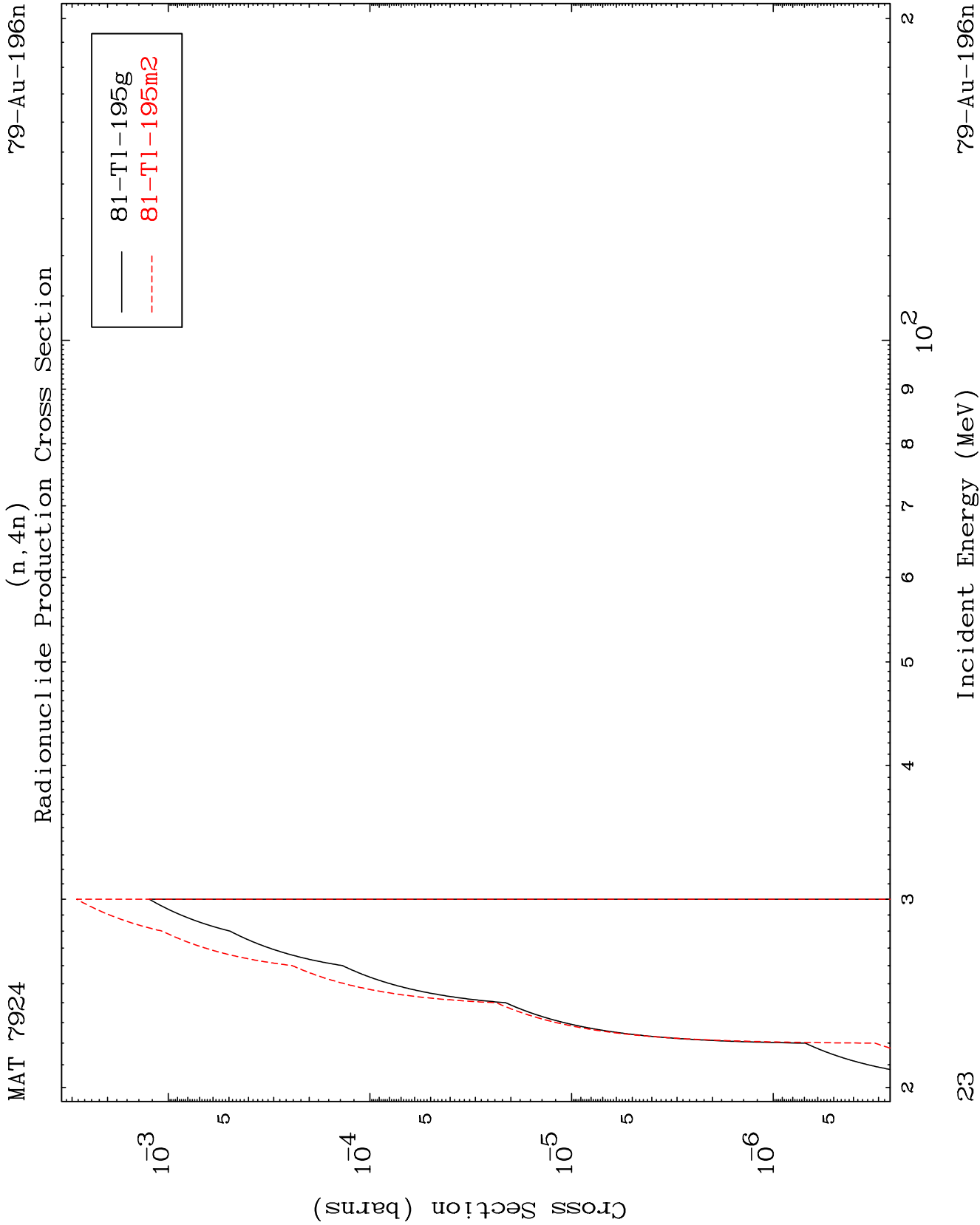


21

Incident Energy (MeV)

$^{79}\text{Au-196n}$



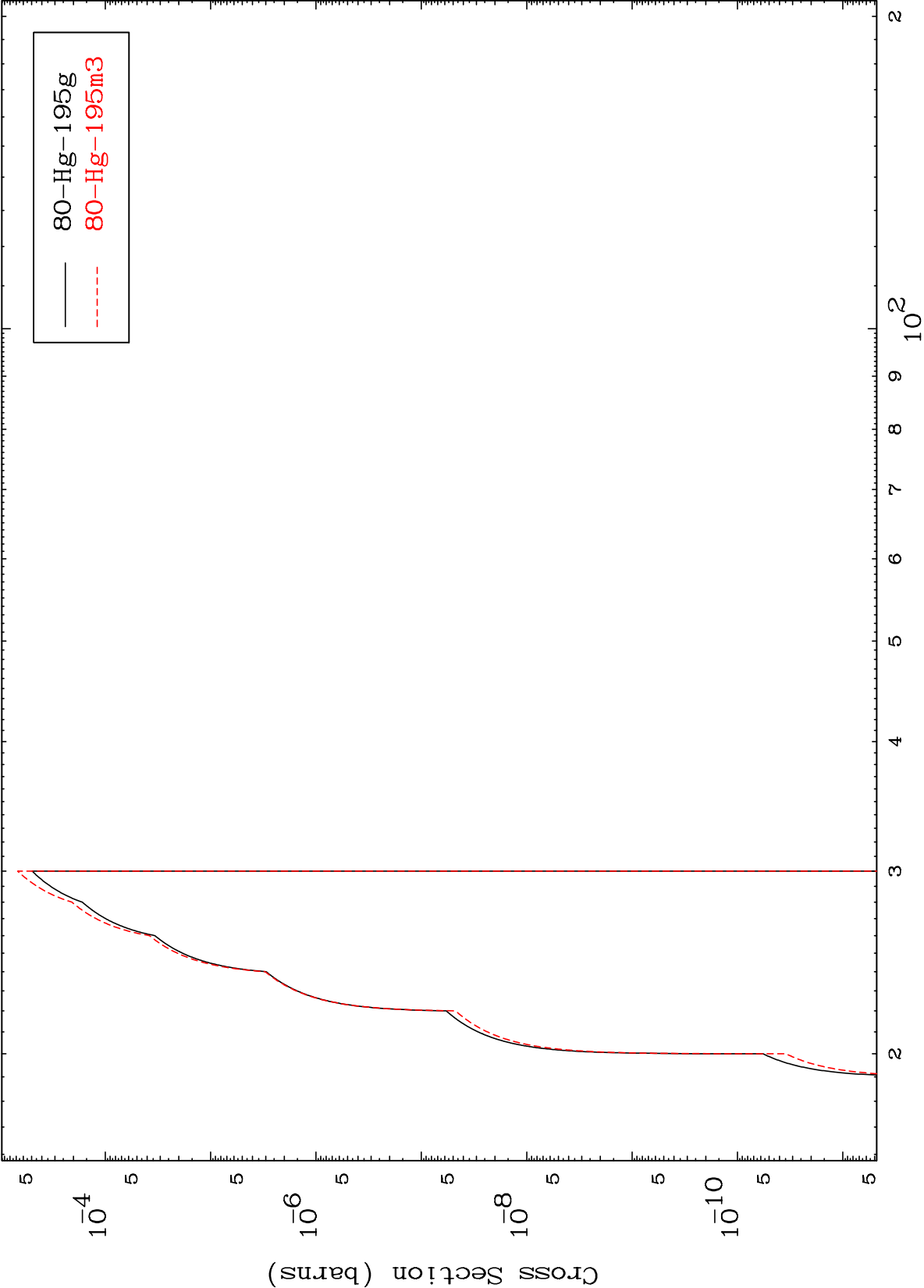


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(n,3n) p

⁷⁹Au-¹⁹⁶n

Radionuclide Production Cross Section



24

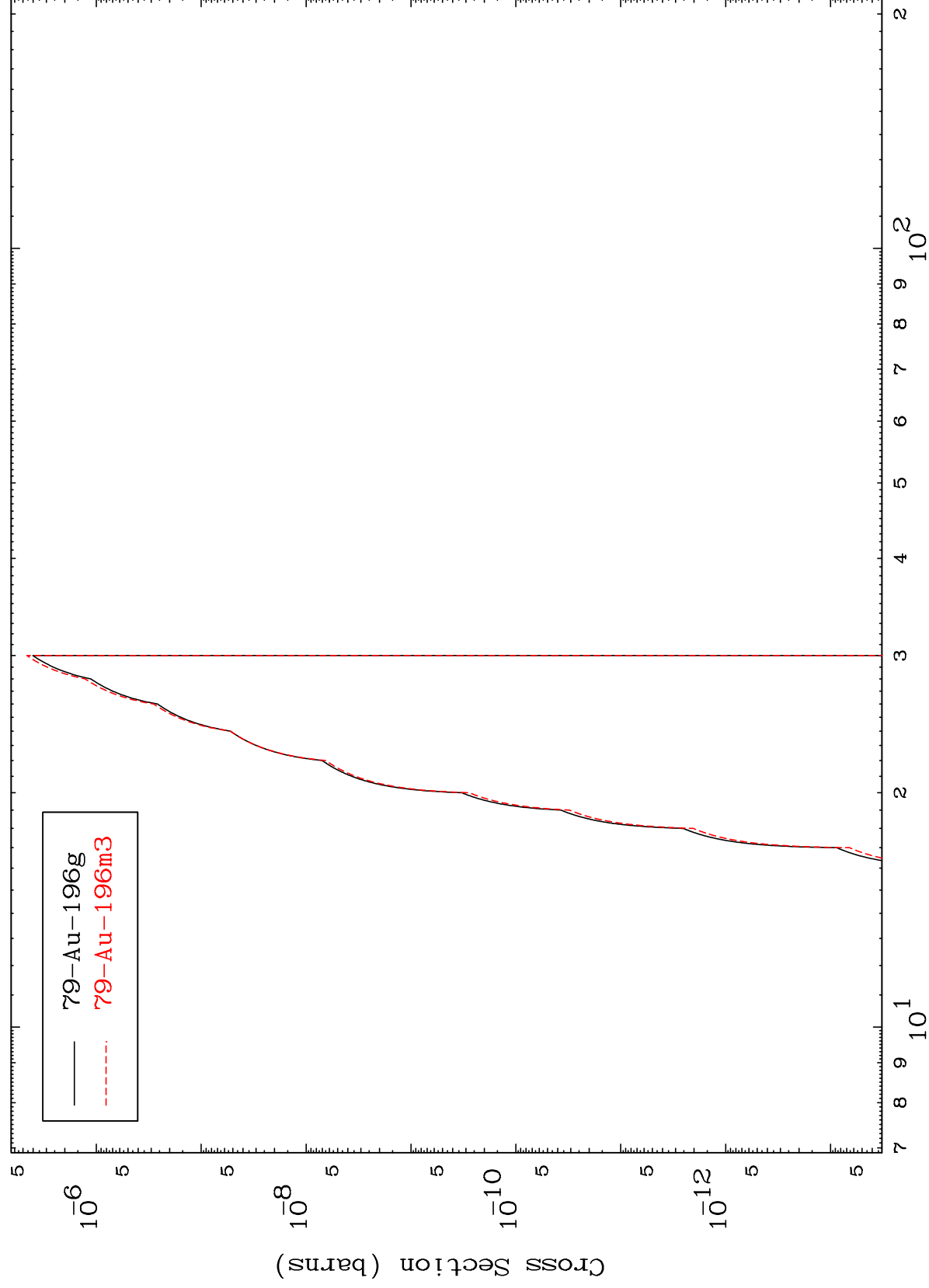
Incident Energy (MeV)

⁷⁹Au-¹⁹⁶n

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$^{79}\text{Au-196n}$

$(n,2n)$ p
Radionuclide Production Cross Section

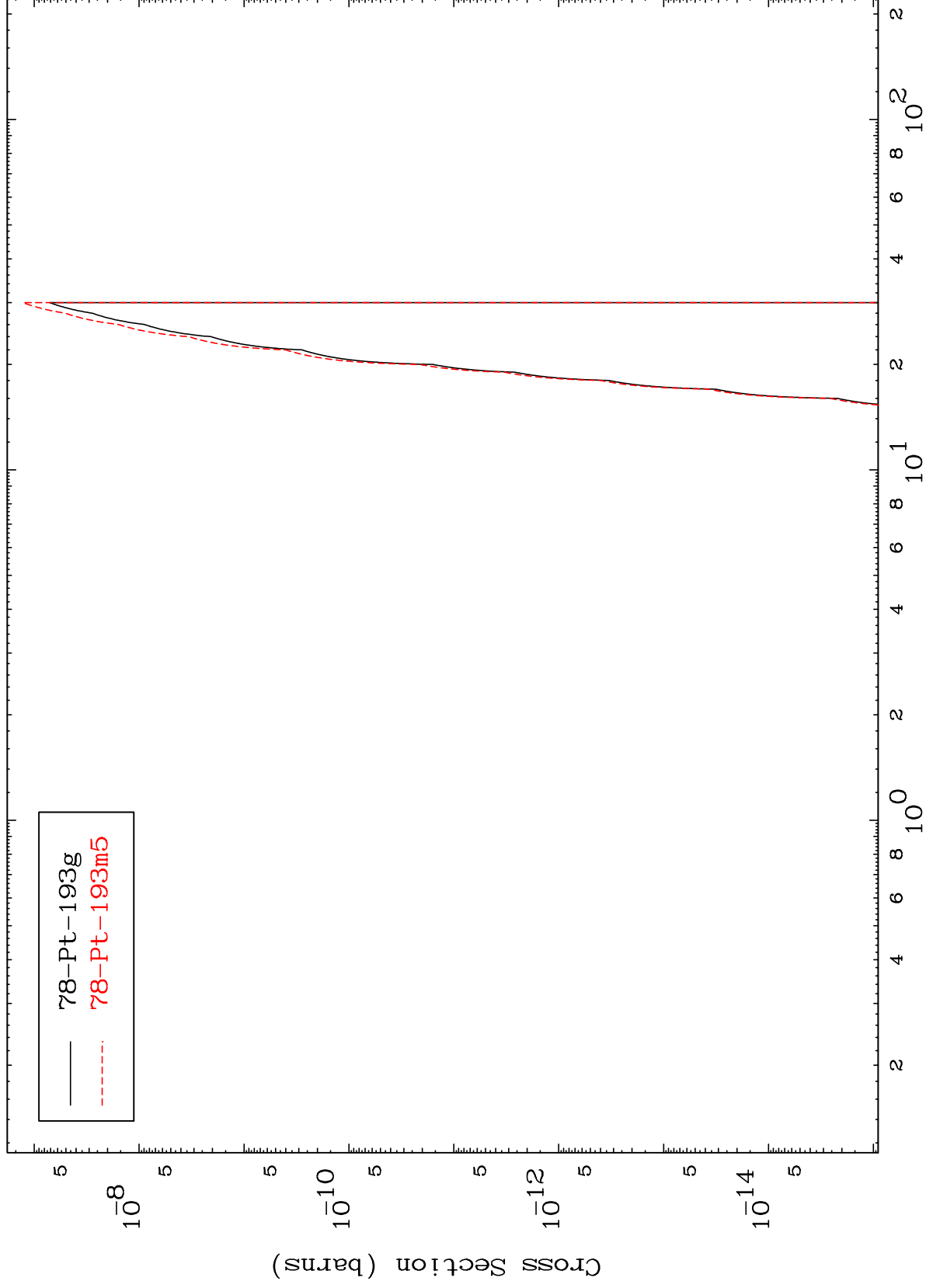


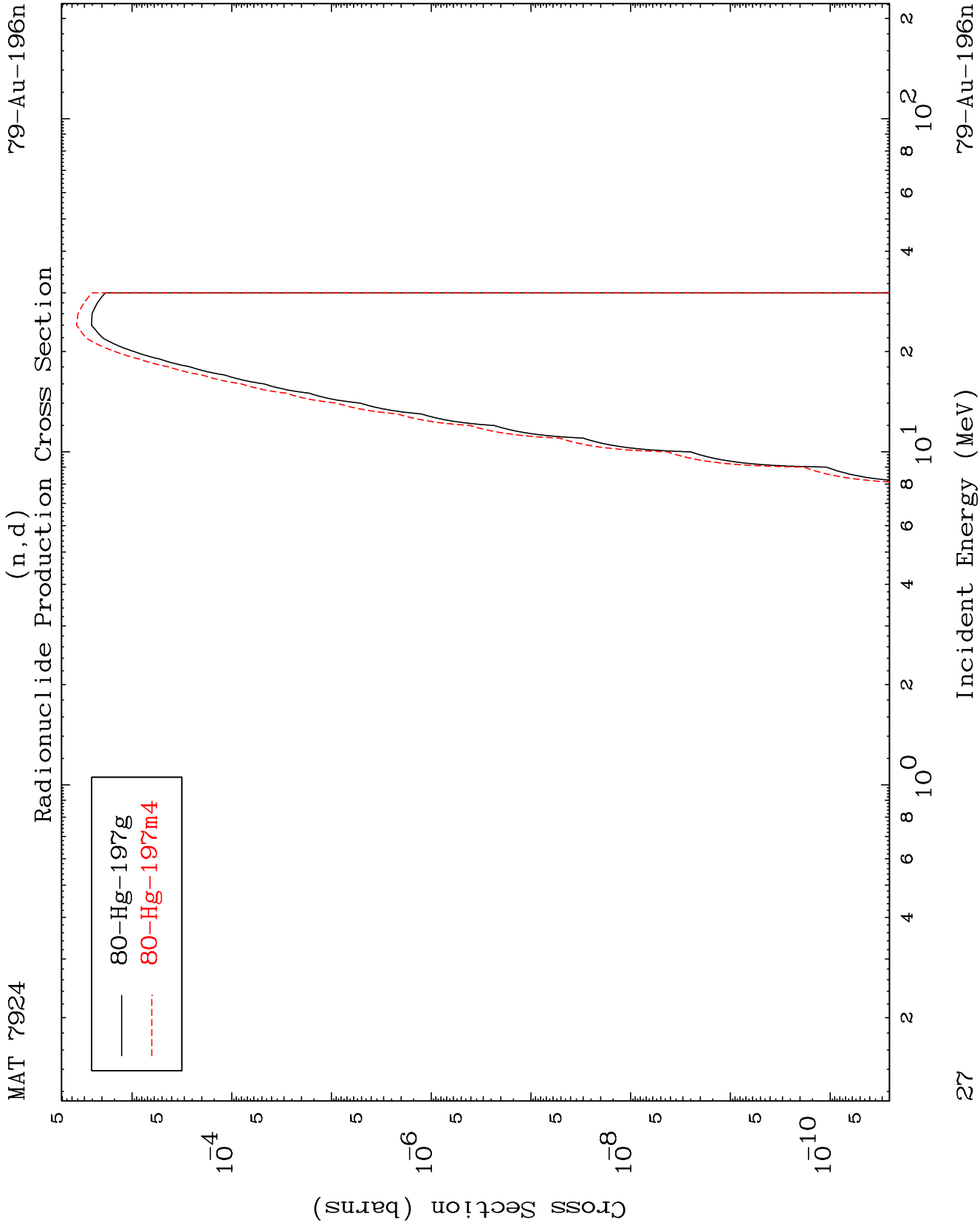
Incident Energy (MeV)

$^{79}\text{Au-196n}$

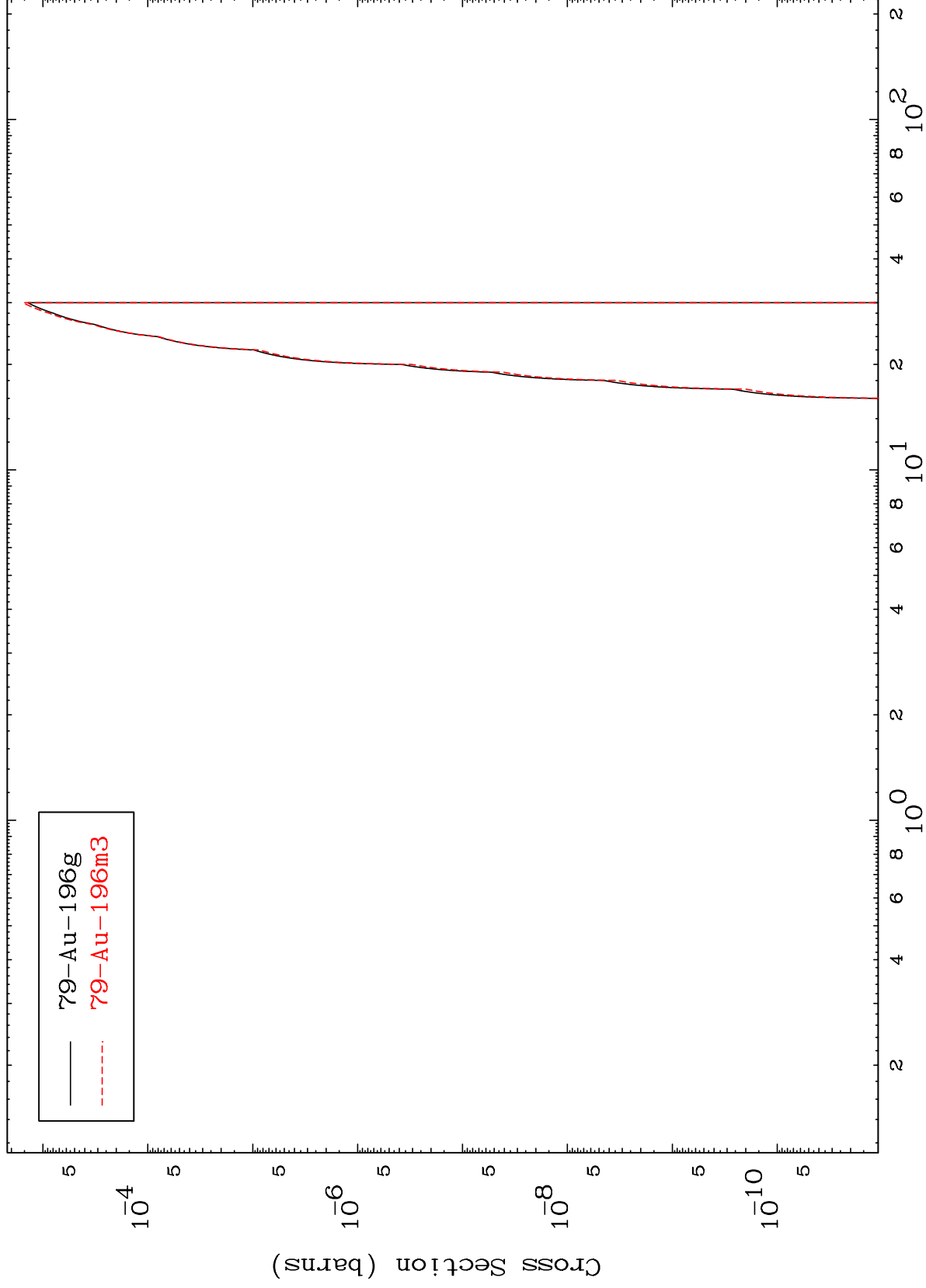
25

Radionuclide Production Cross Section





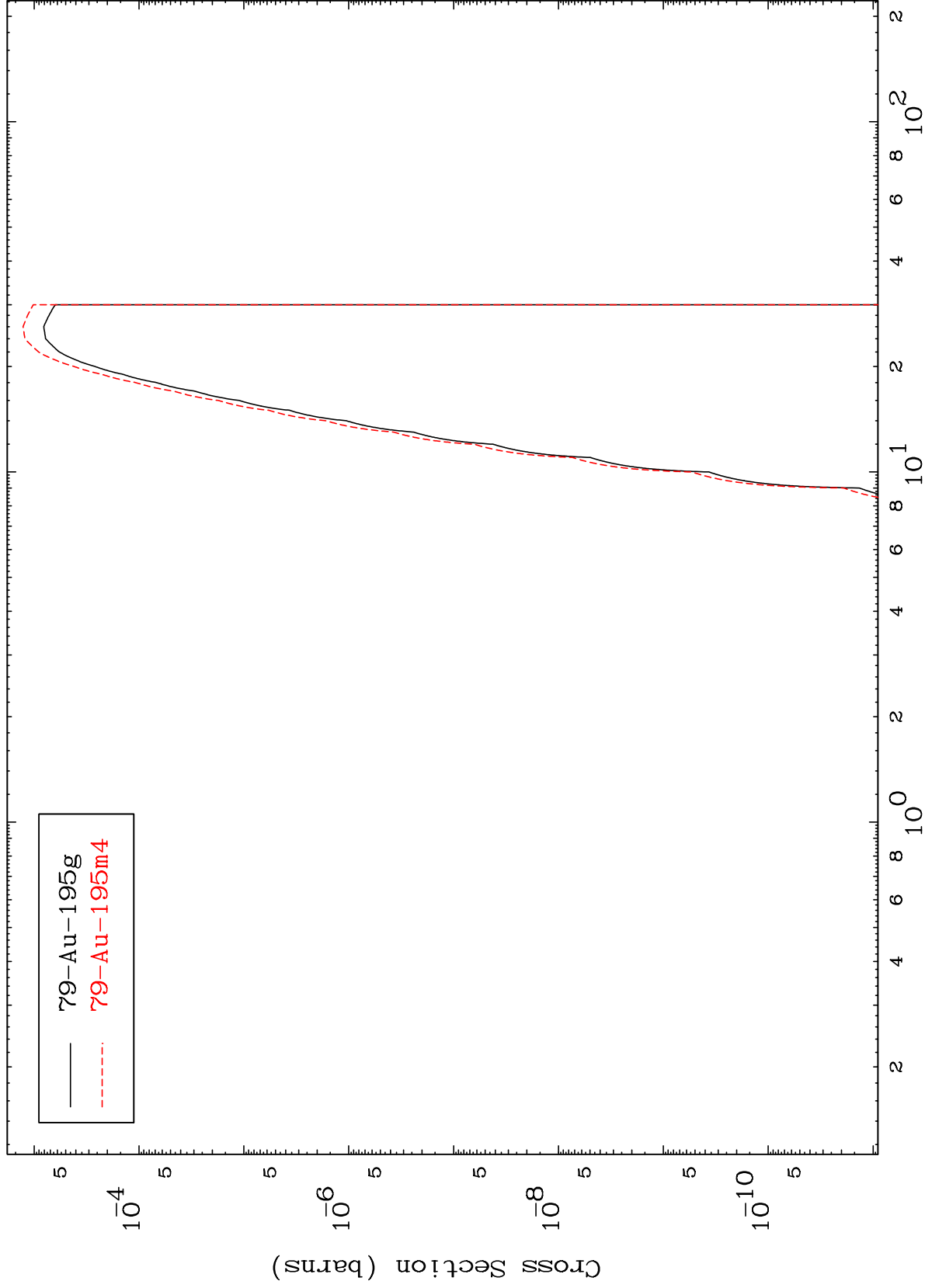
Radionuclide Production Cross Section



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$^{79}\text{Au-196n}$

Radionuclide Production Cross Section



29

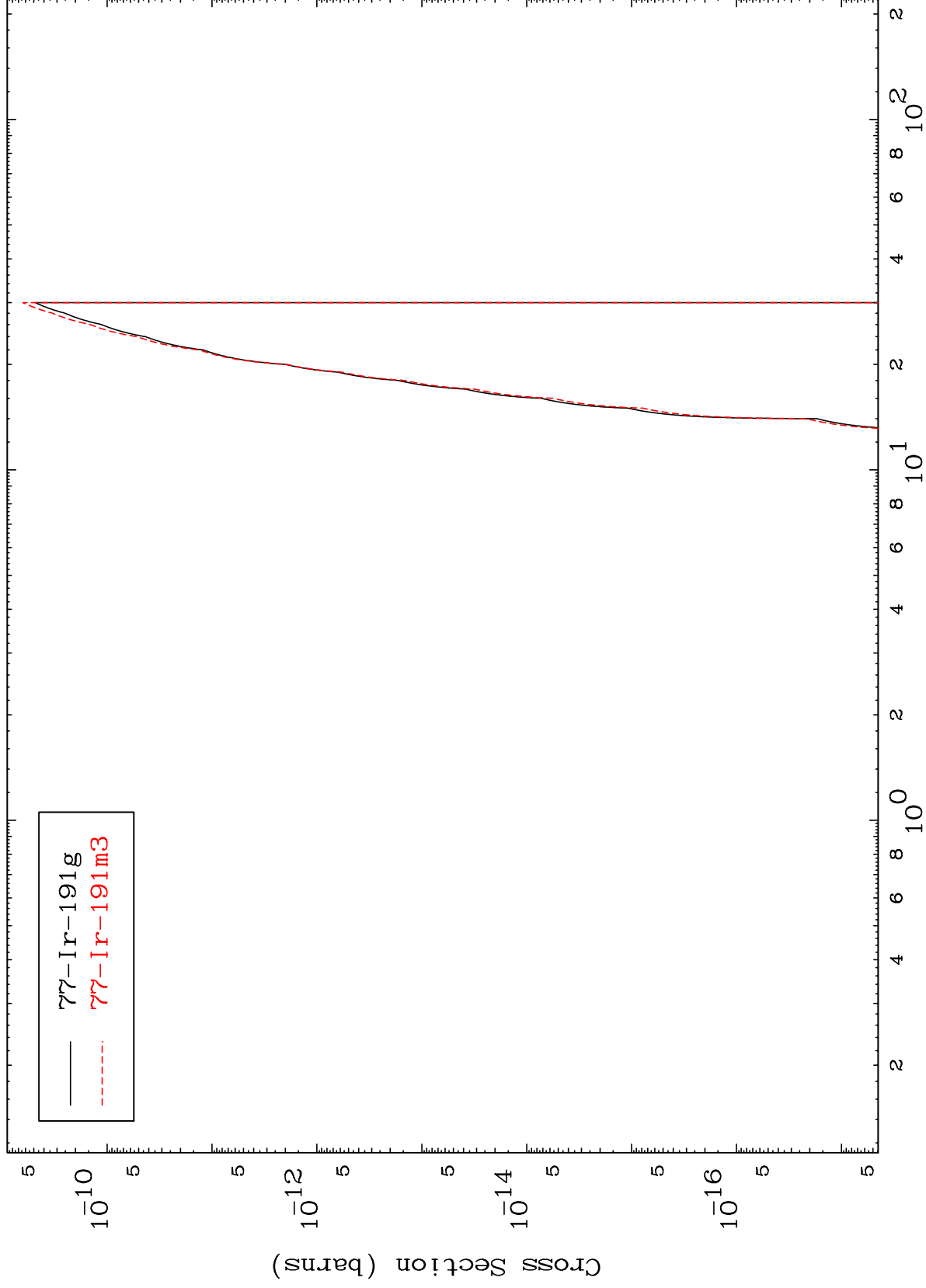
Incident Energy (MeV)

$^{79}\text{Au-196n}$

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$^{79}\text{Au-196n}$

Radionuclide Production Cross Section
($n, 2\alpha$)



30

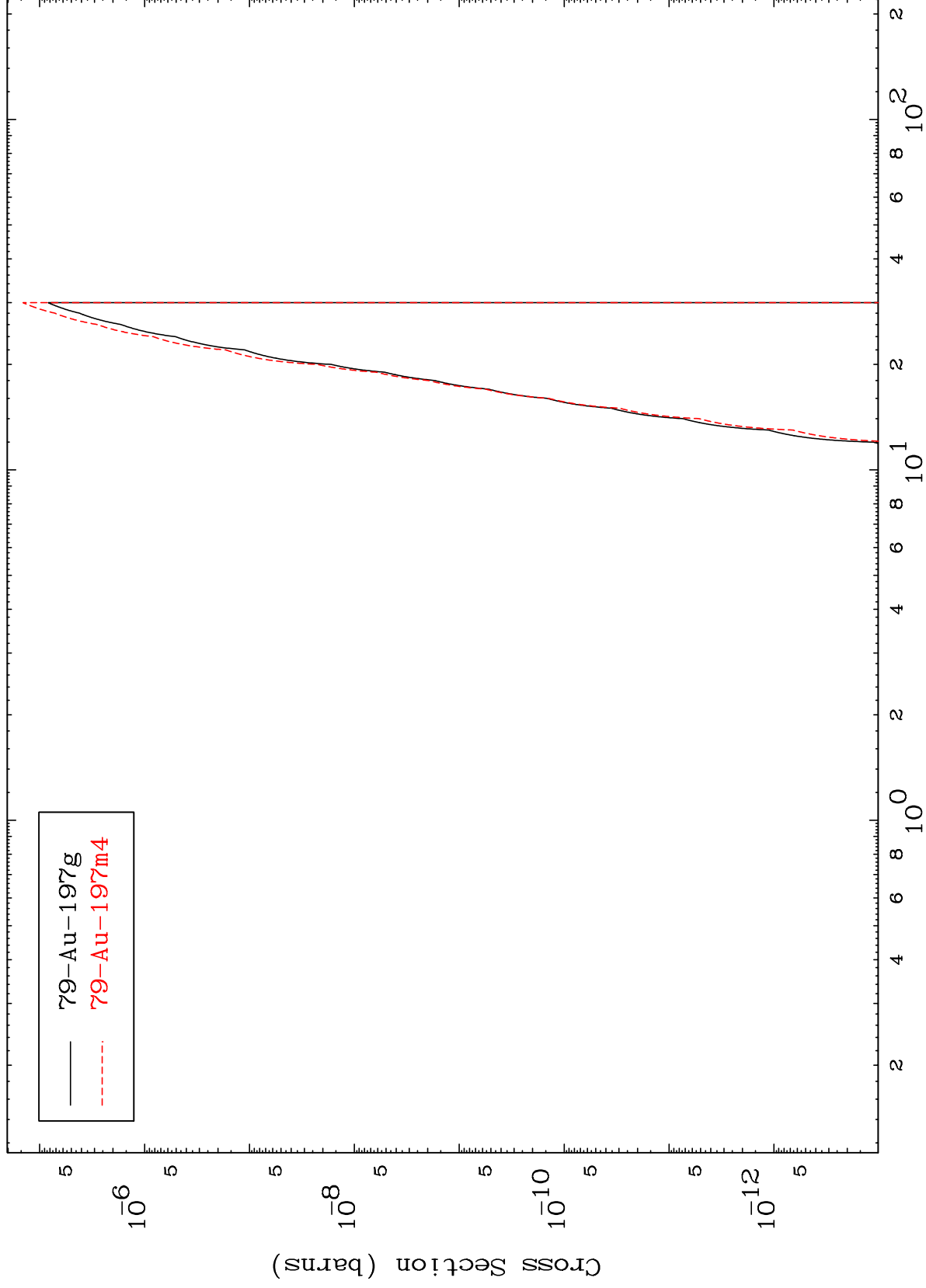
Incident Energy (MeV)

$^{79}\text{Au-196n}$

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$^{79}\text{Au-196n}$

$(n,2p)$
Radionuclide Production Cross Section



31

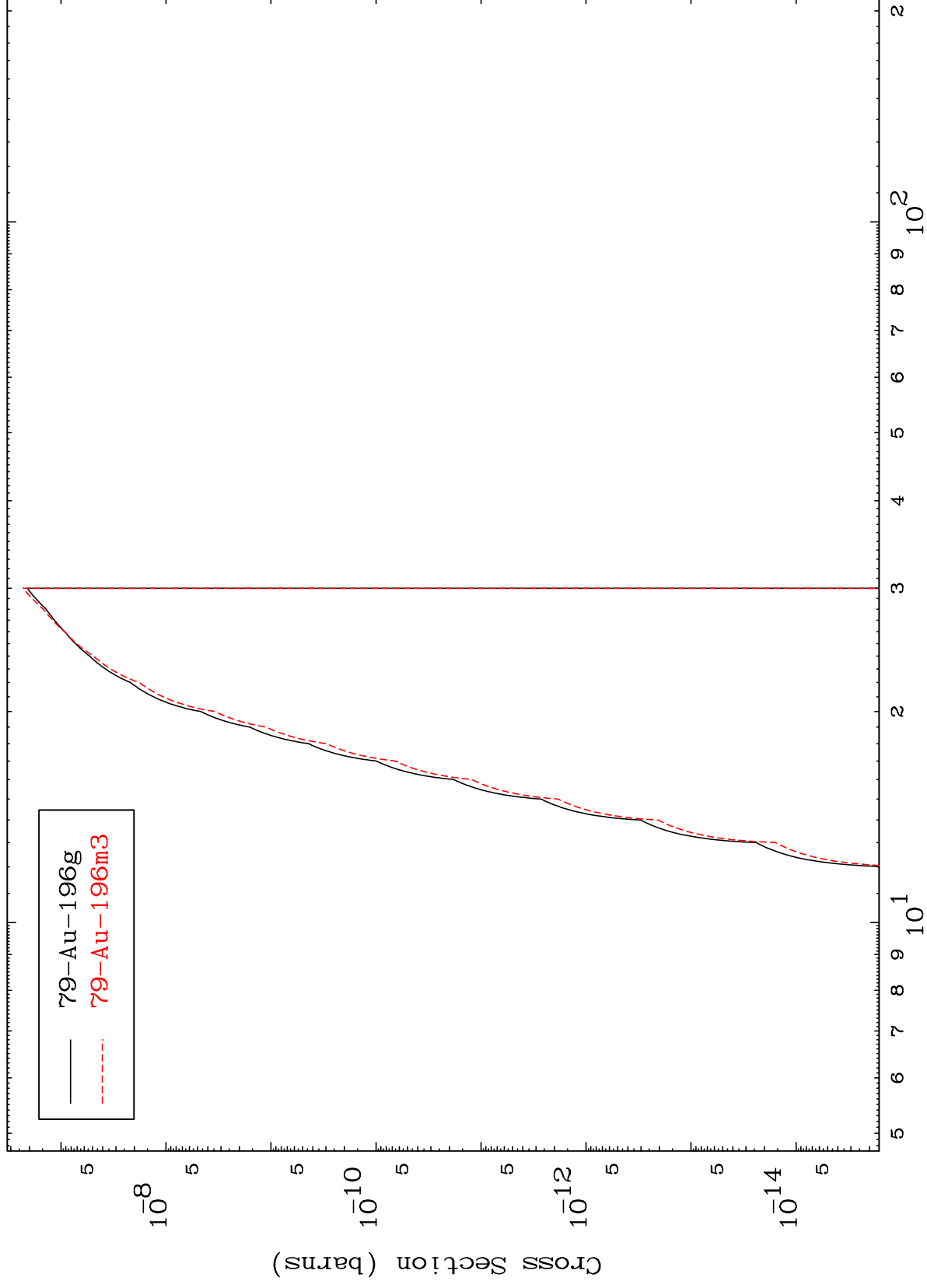
$^{79}\text{Au-196n}$

Incident Energy (MeV)

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$^{79}\text{Au-196n}$

(n,p) d
Radionuclide Production Cross Section



$^{79}\text{Au-196n}$

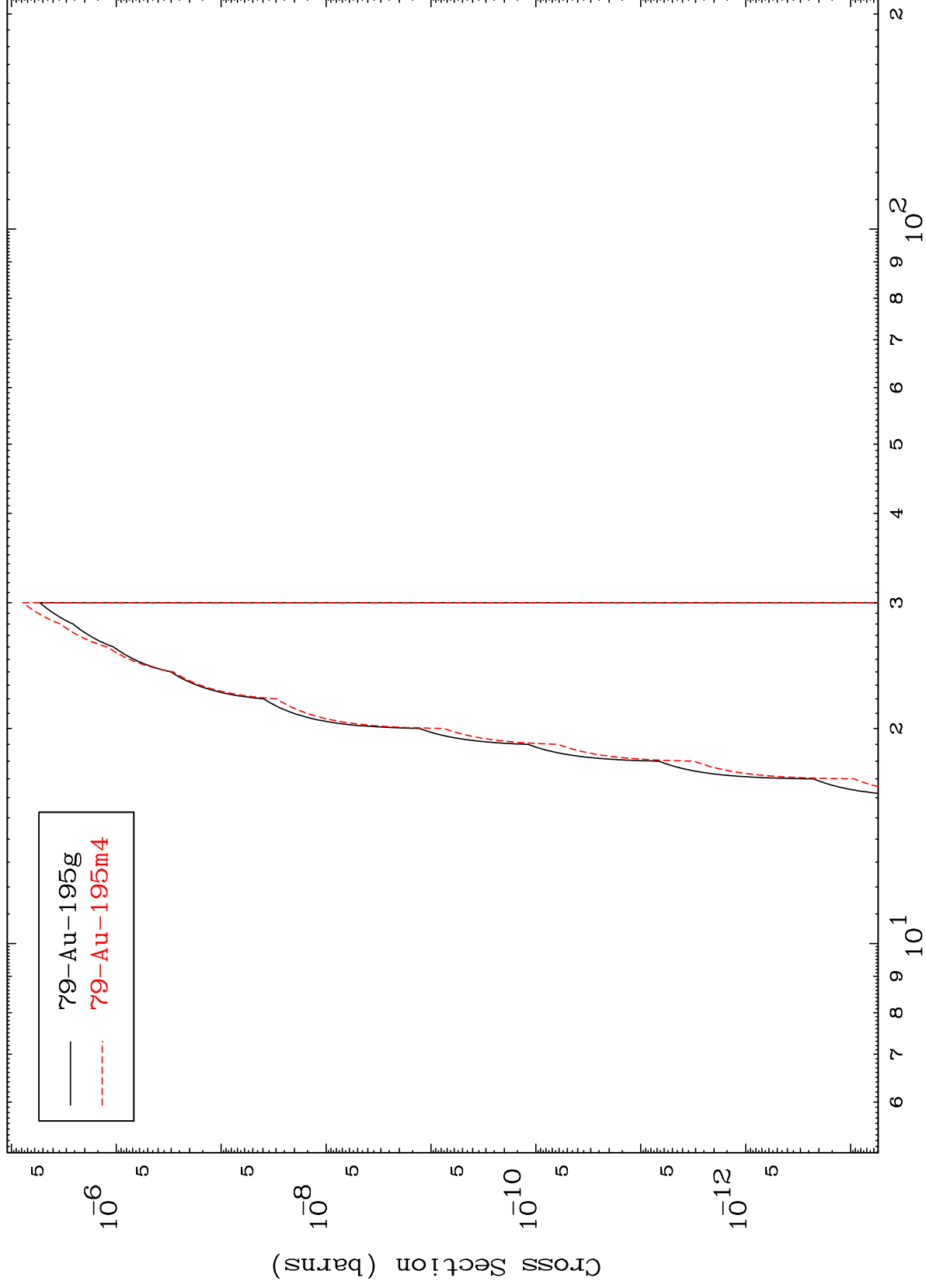
Incident Energy (MeV)

32

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$^{79}\text{Au-196n}$

(n,p) t
Radionuclide Production Cross Section



33

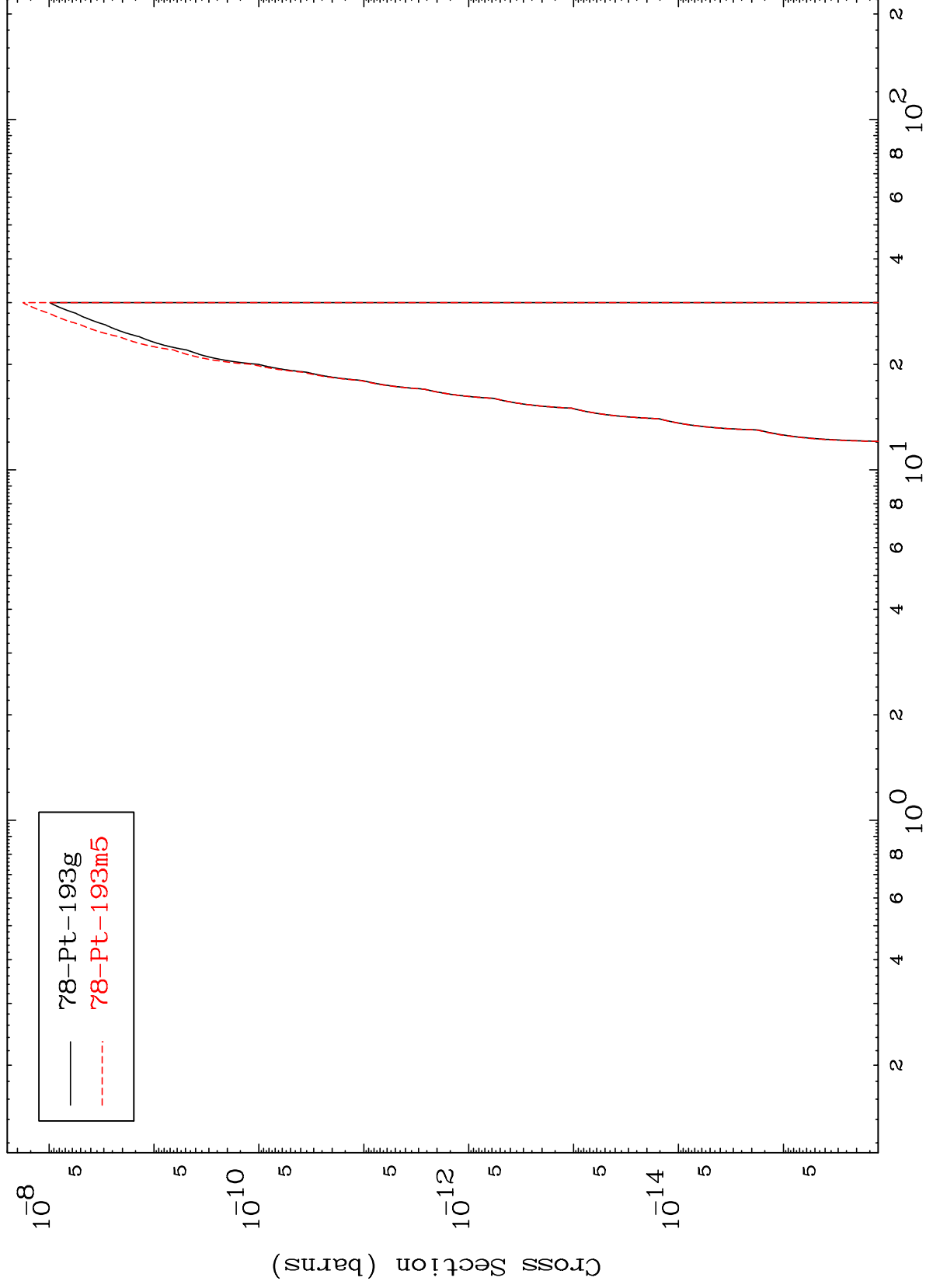
Incident Energy (MeV)

$^{79}\text{Au-196n}$

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$^{79}\text{Au-196n}$

$(n,d) \alpha$
Radionuclide Production Cross Section



34

Incident Energy (MeV)

$^{79}\text{Au-196n}$