

Program EVALPLOT
(Version 2021-1)

by

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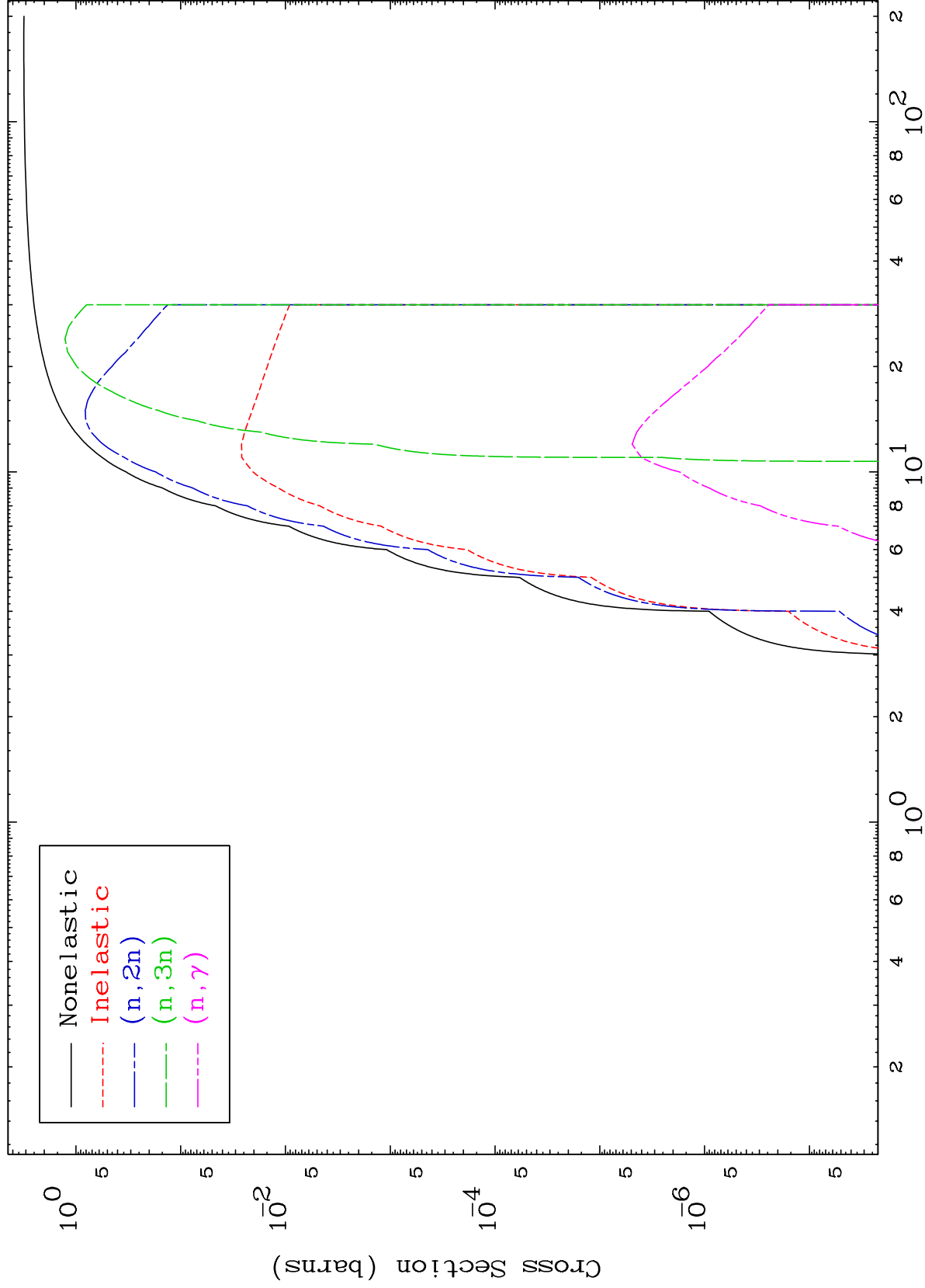
Press Mouse Button to Start

MAT 7924

Deuteron Major

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

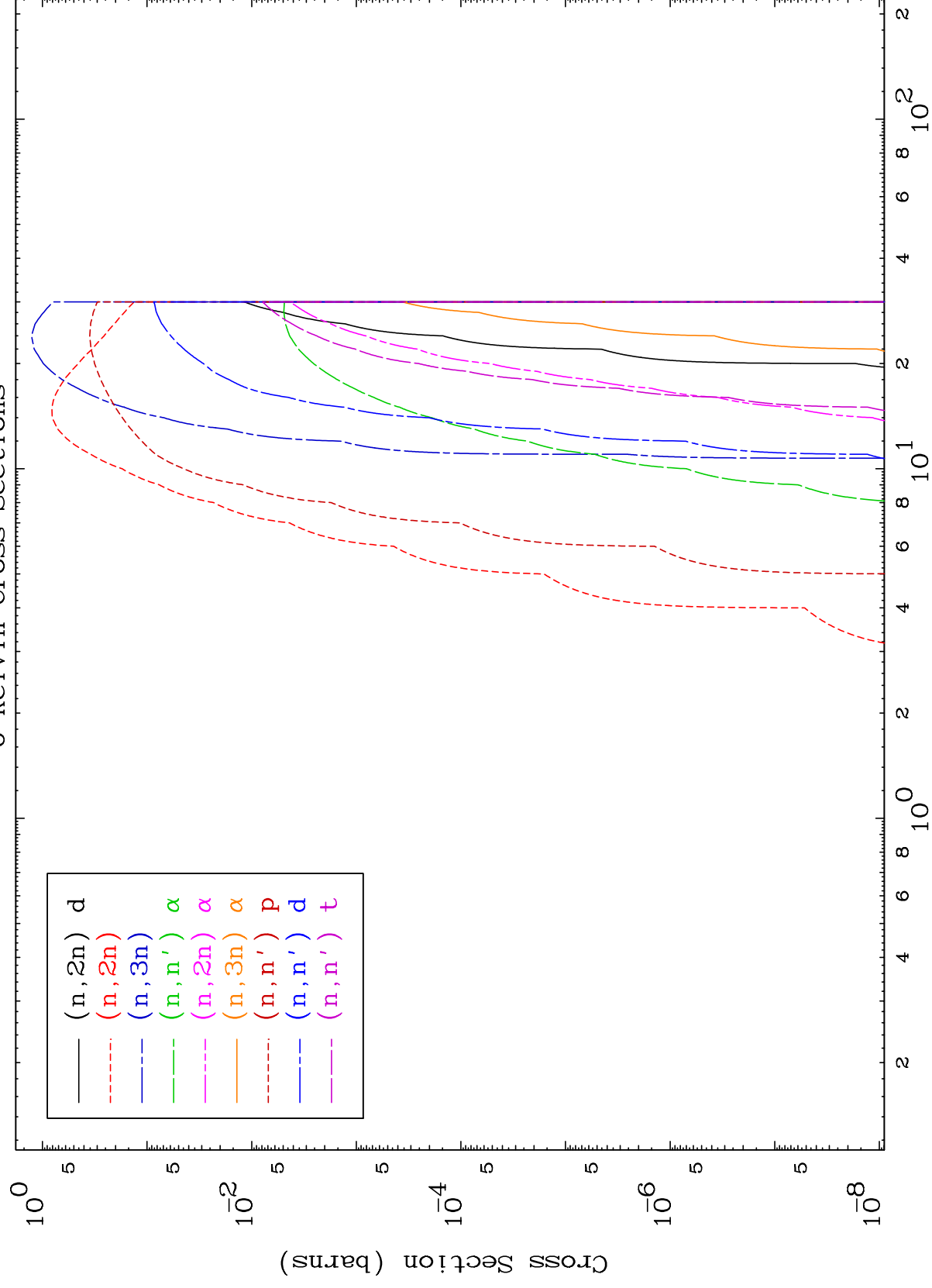
0 Kelvin Cross Sections

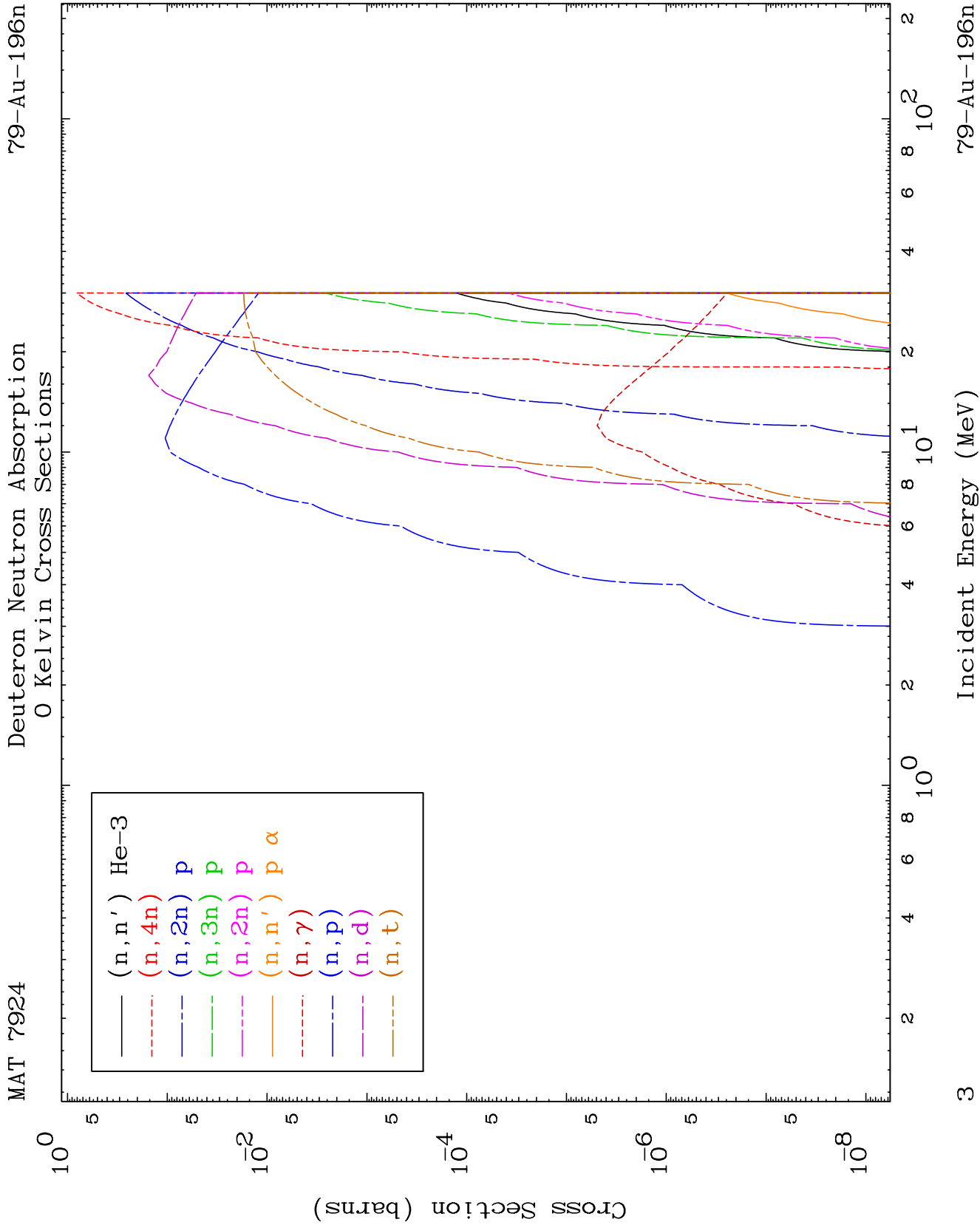


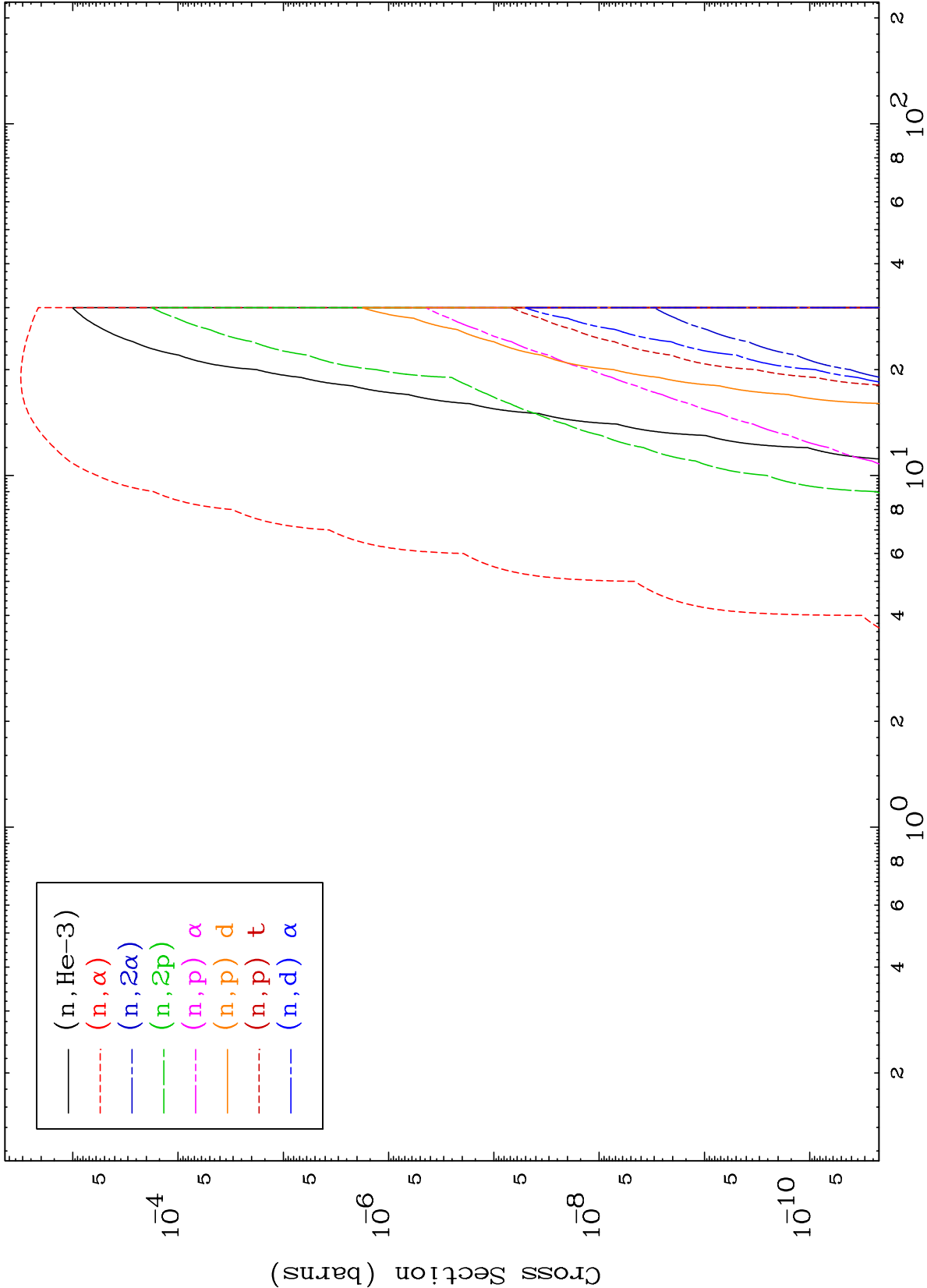
1

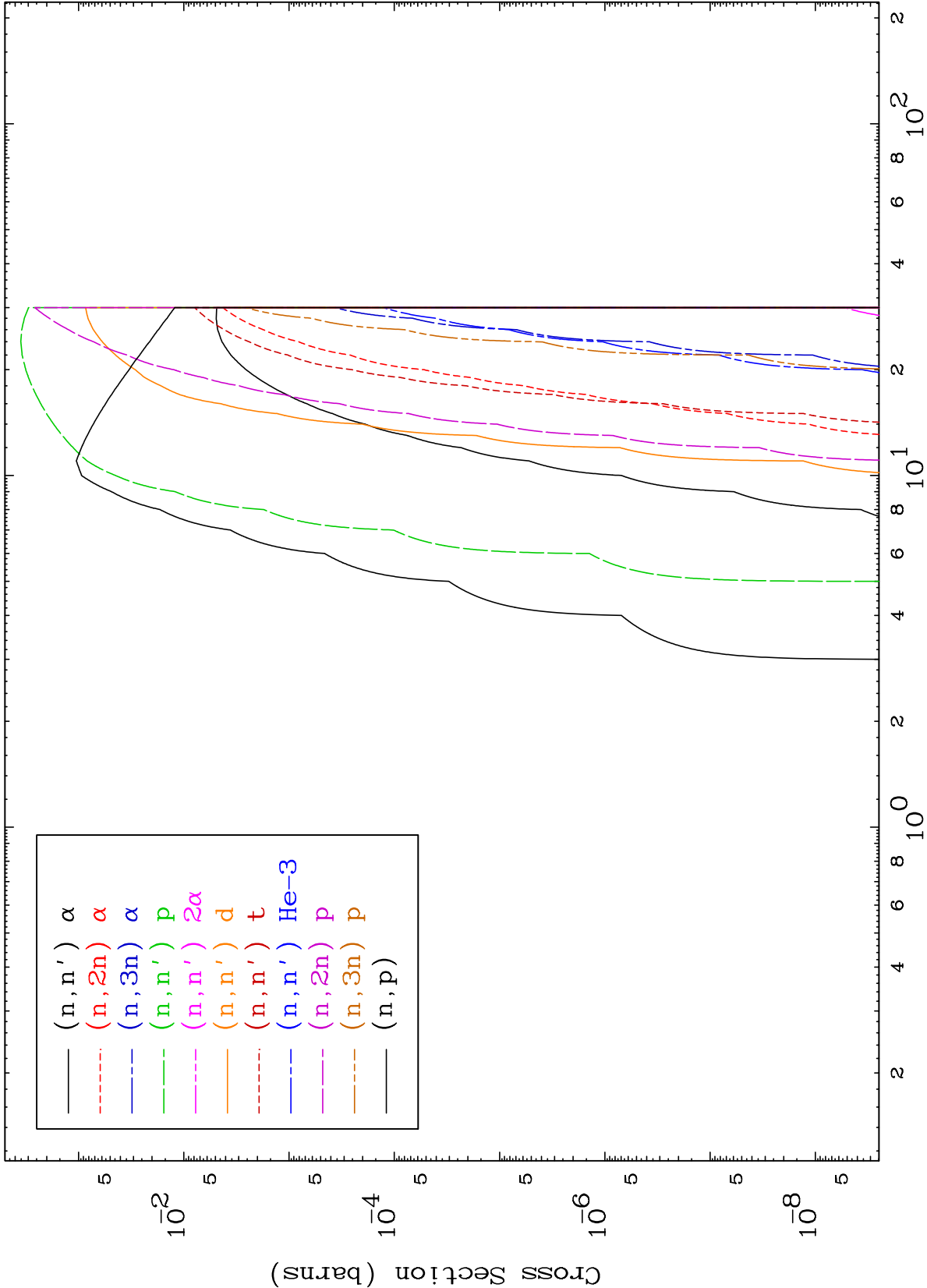
Incident Energy (MeV)

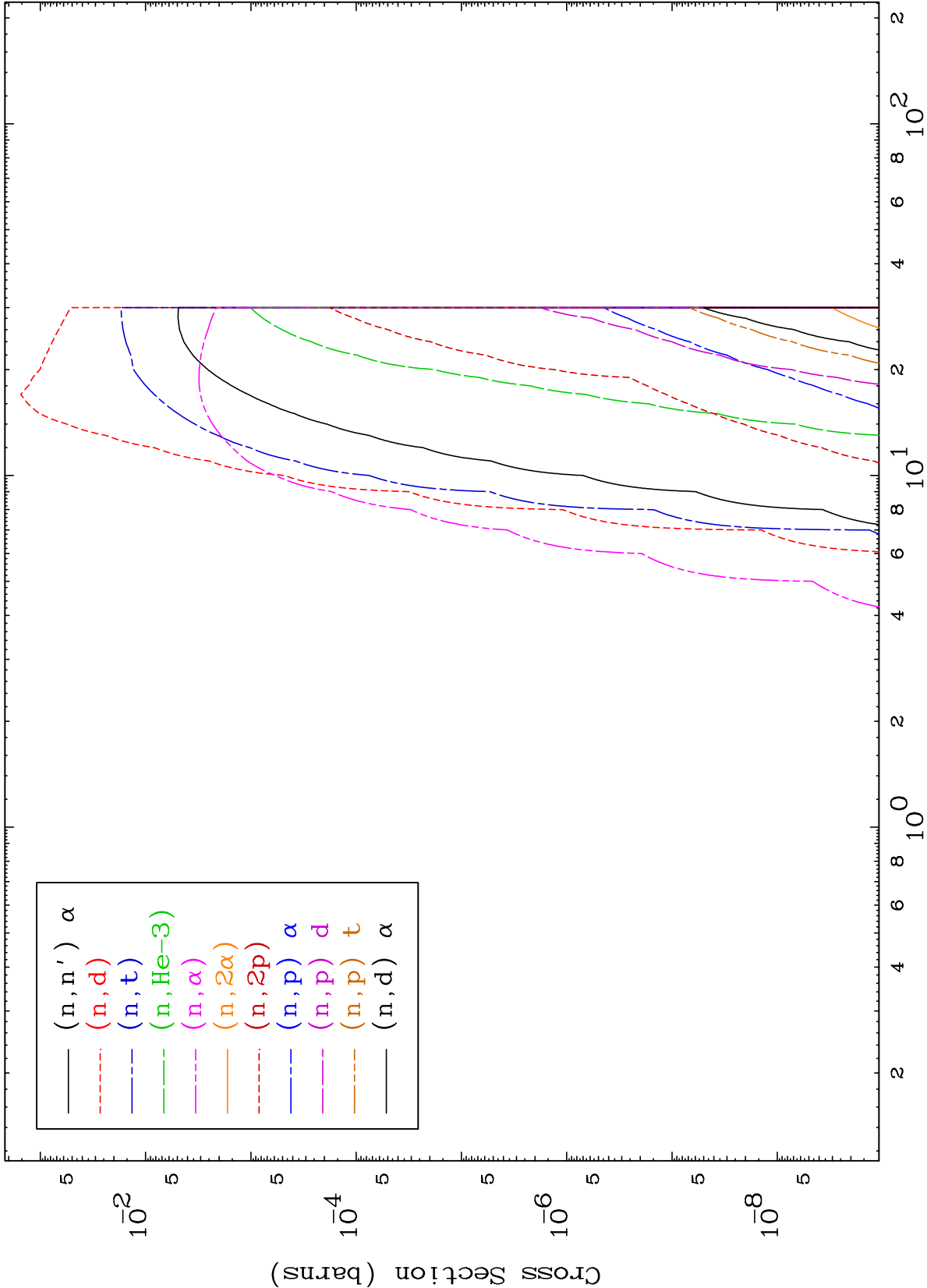
$^{79}\text{Au-196n}$







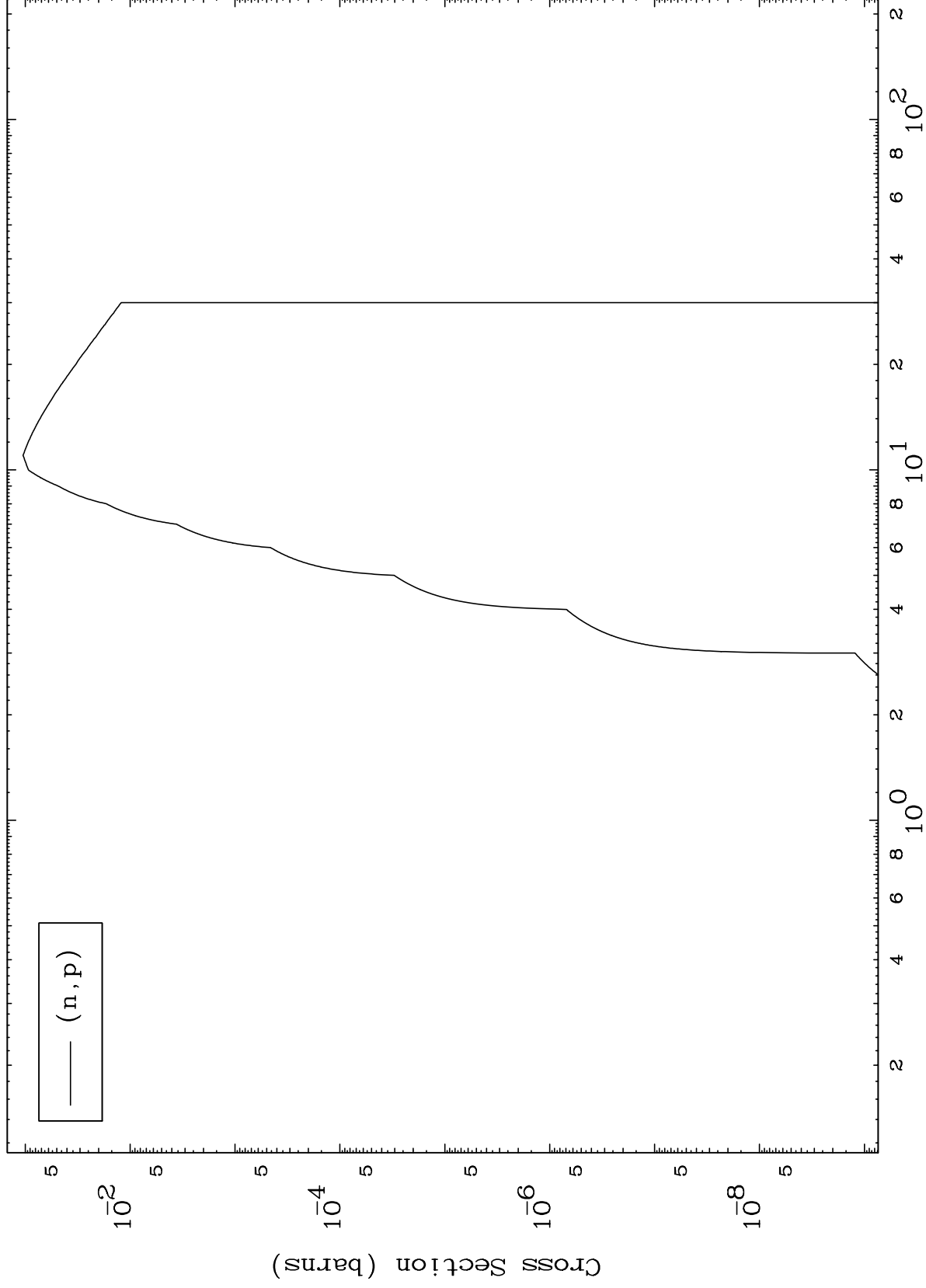




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$^{79}\text{Au-196n}$

(d,p) Levels
0 Kelvin Cross Sections



— (n,p)

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

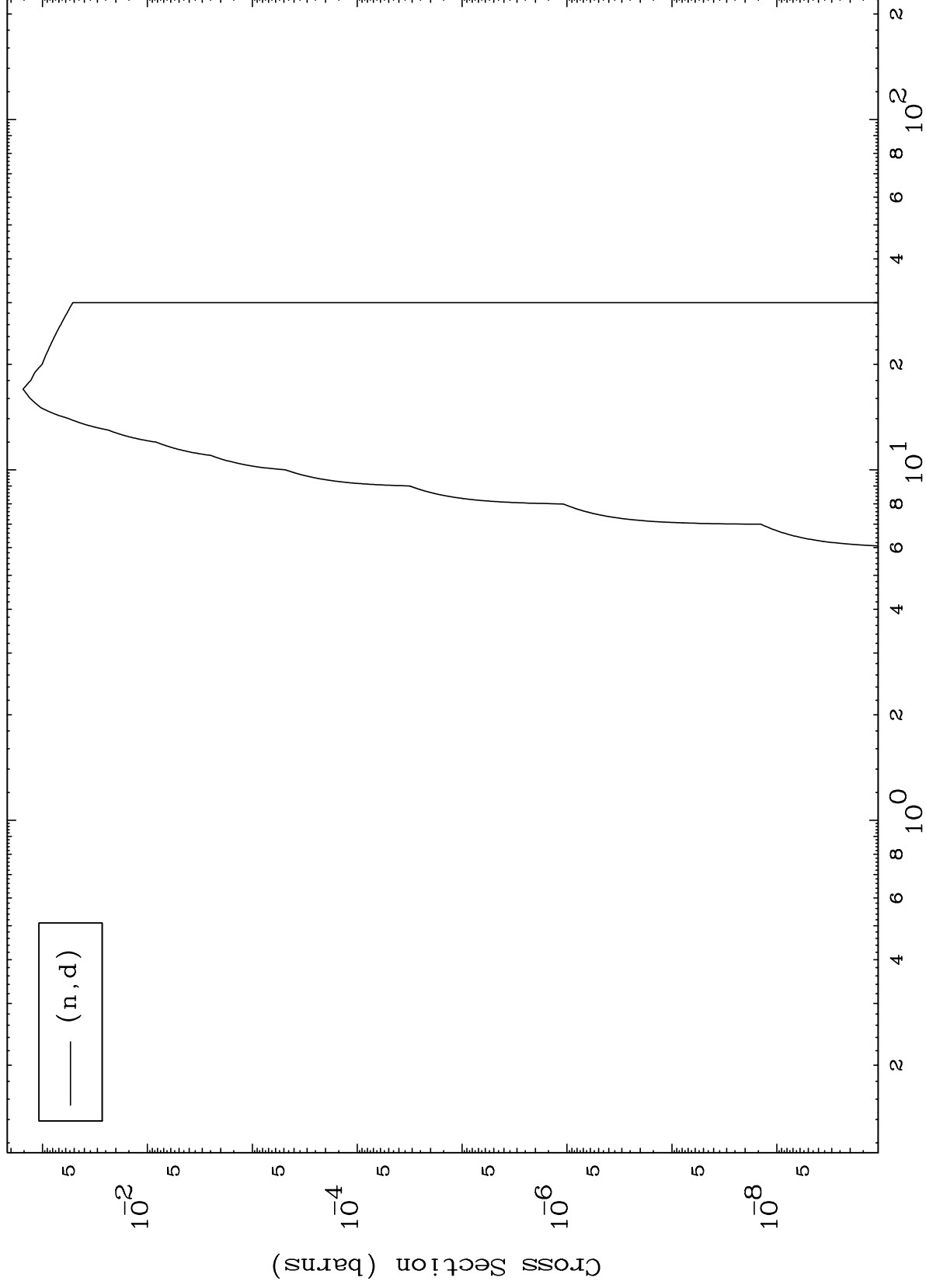
Incident Energy (MeV)

7

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⁷⁹Au-196n

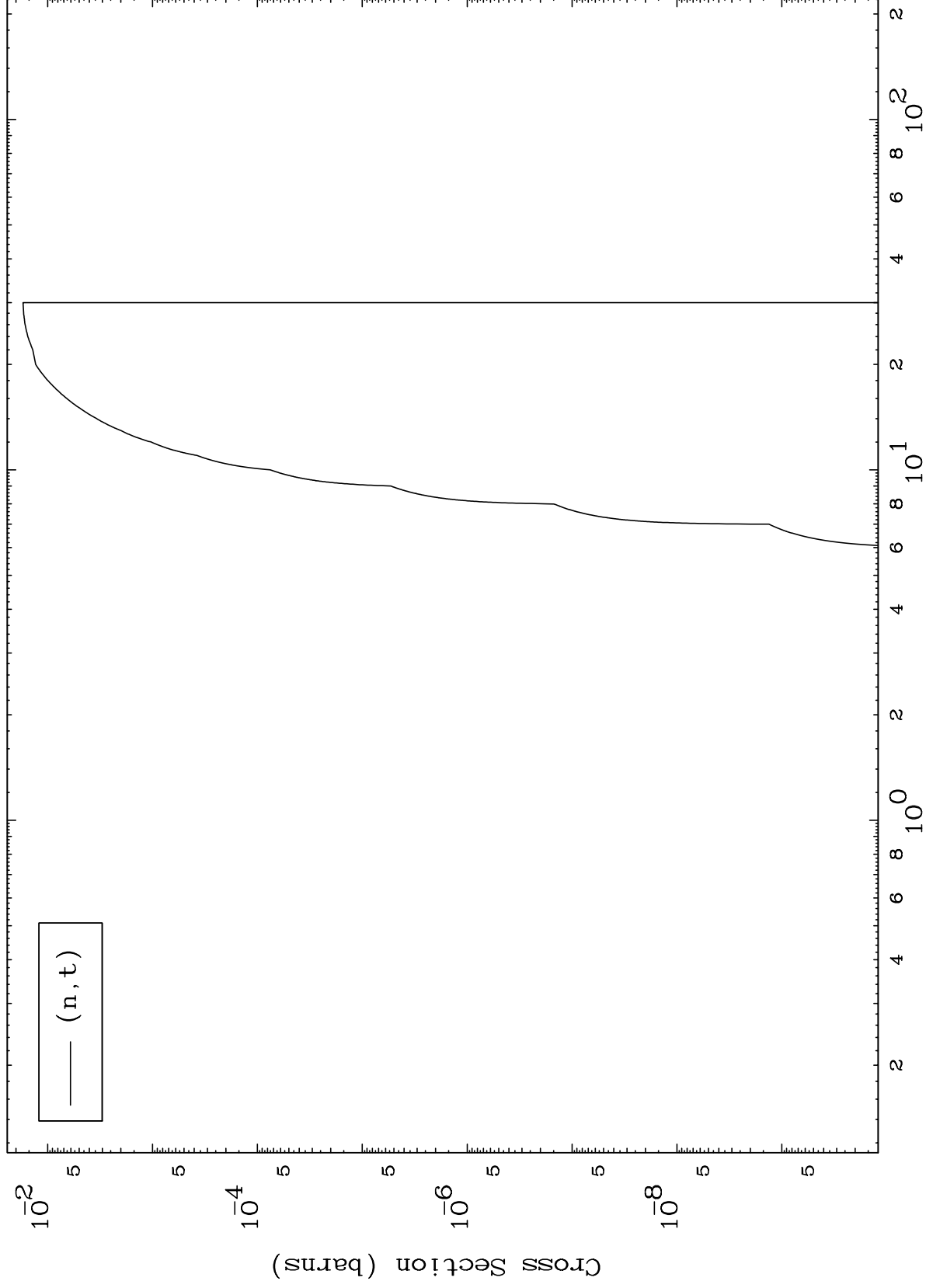
(d,d) Levels
0 Kelvin Cross Sections



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⁷⁹Au-196n

(d,t) Levels
0 Kelvin Cross Sections



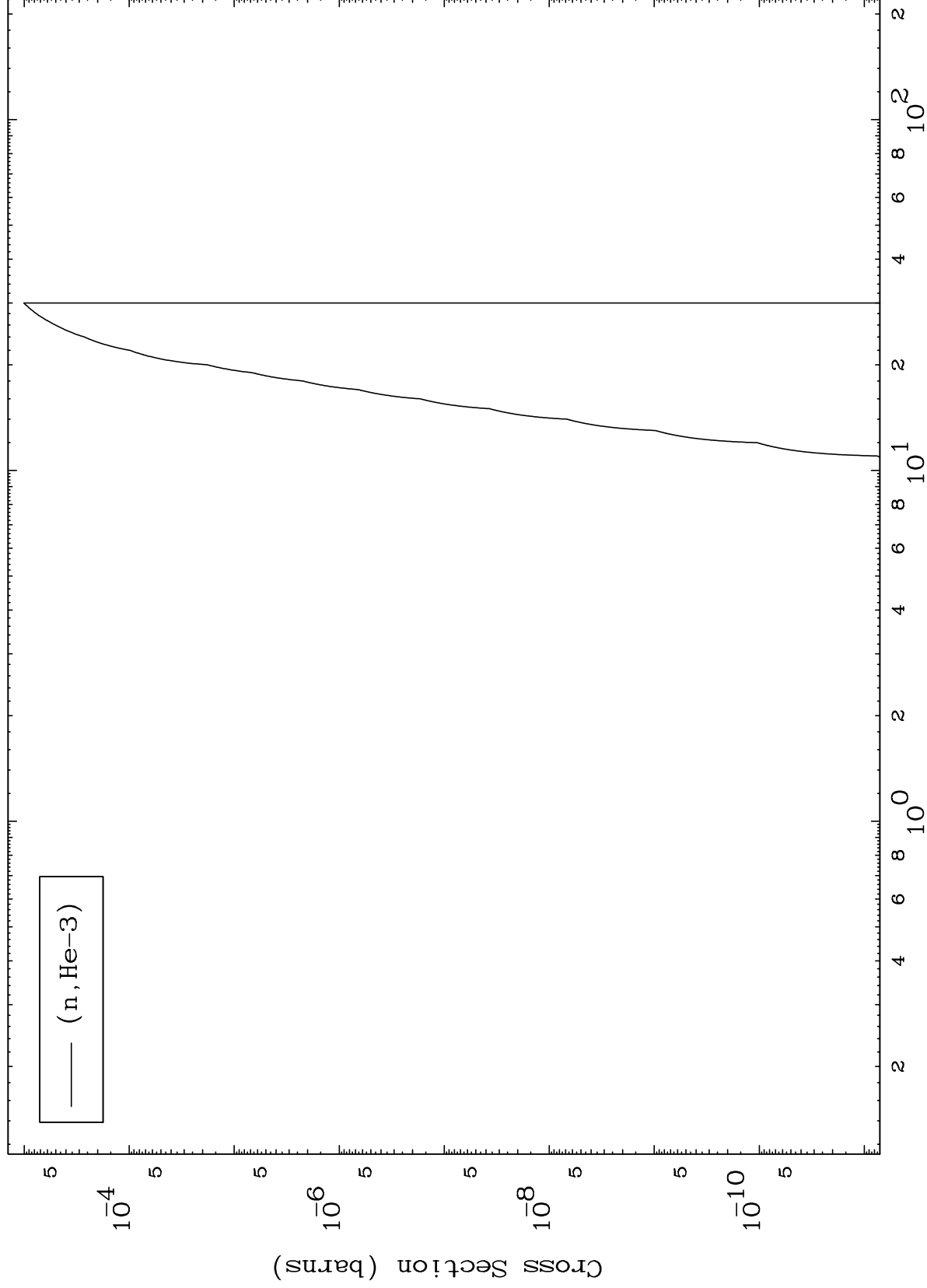
— (n,t)

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(d,He3) Levels

⁷⁹Au-¹⁹⁶n

0 Kelvin Cross Sections



10

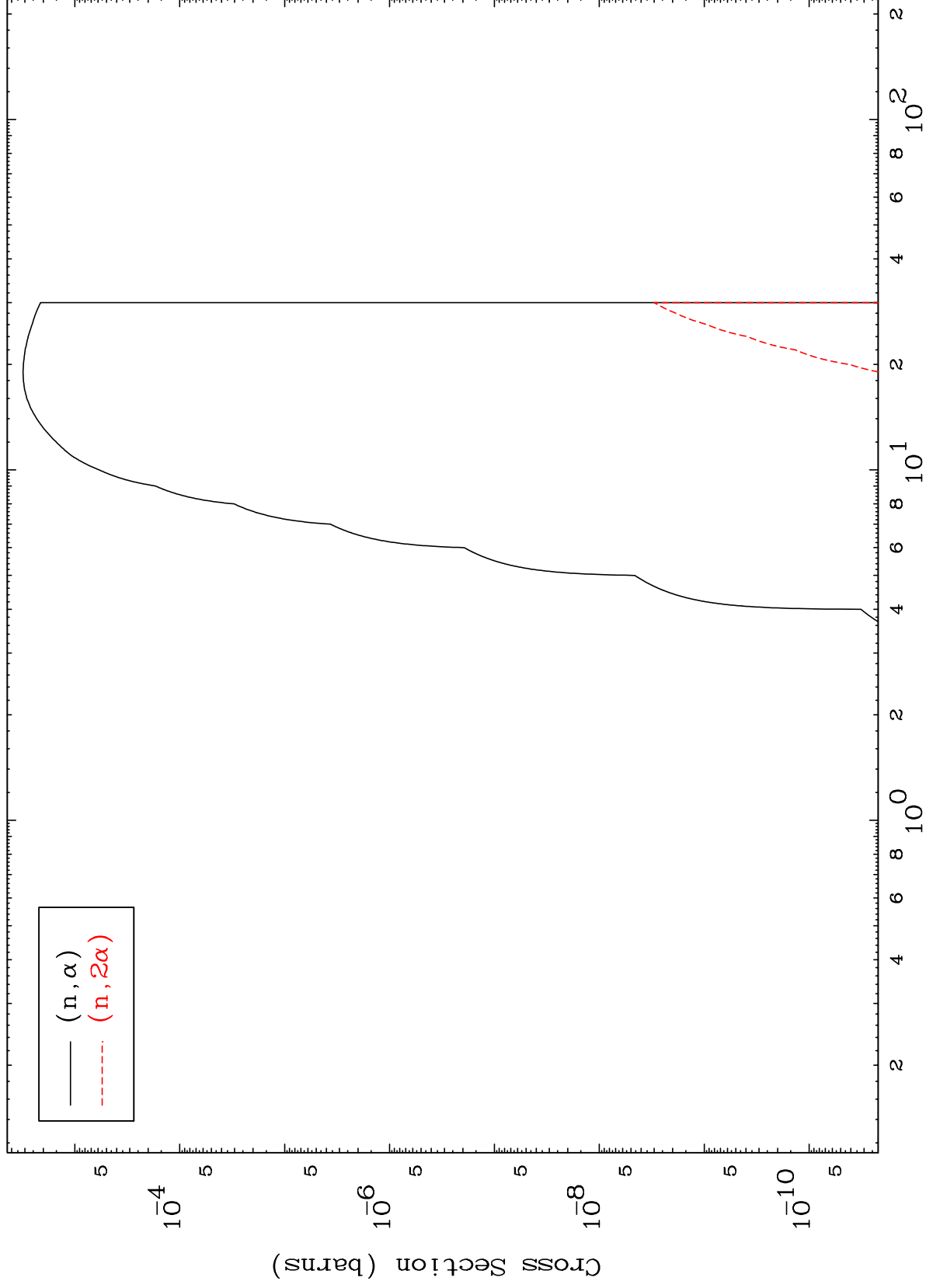
Incident Energy (MeV)

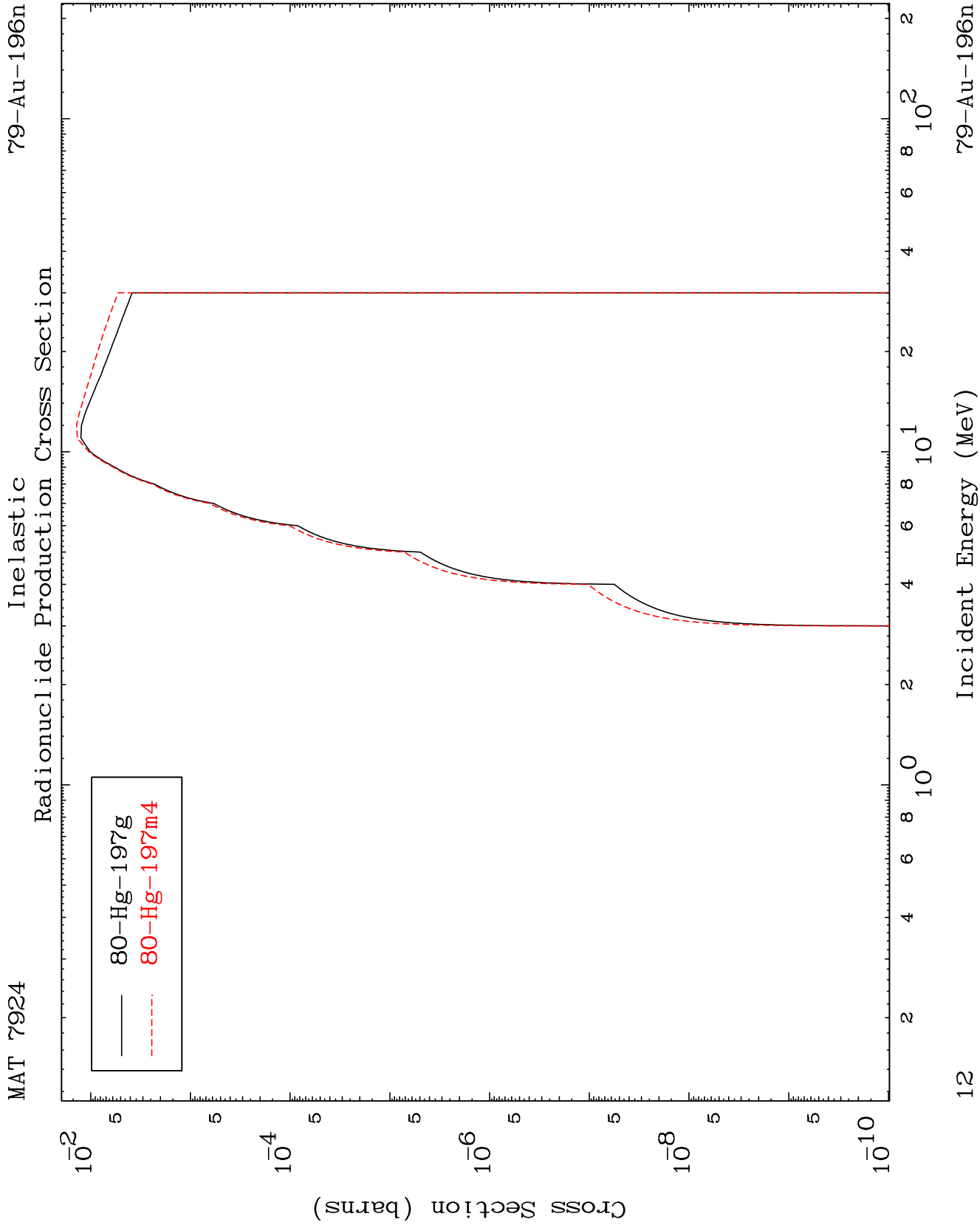
⁷⁹Au-¹⁹⁶n

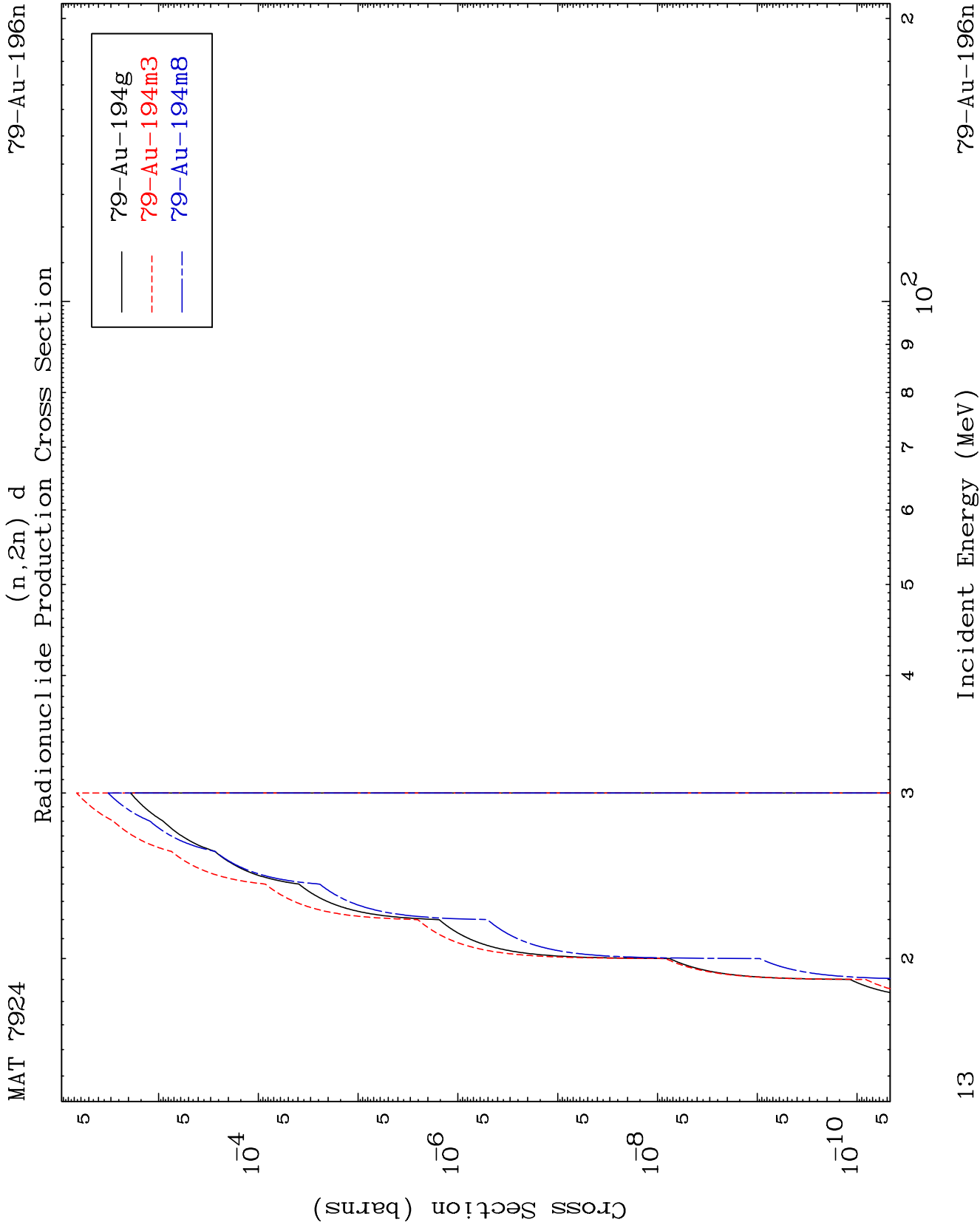
MAT 7924

⁷⁹Au-196n

(d,α) Levels
0 Kelvin Cross Sections



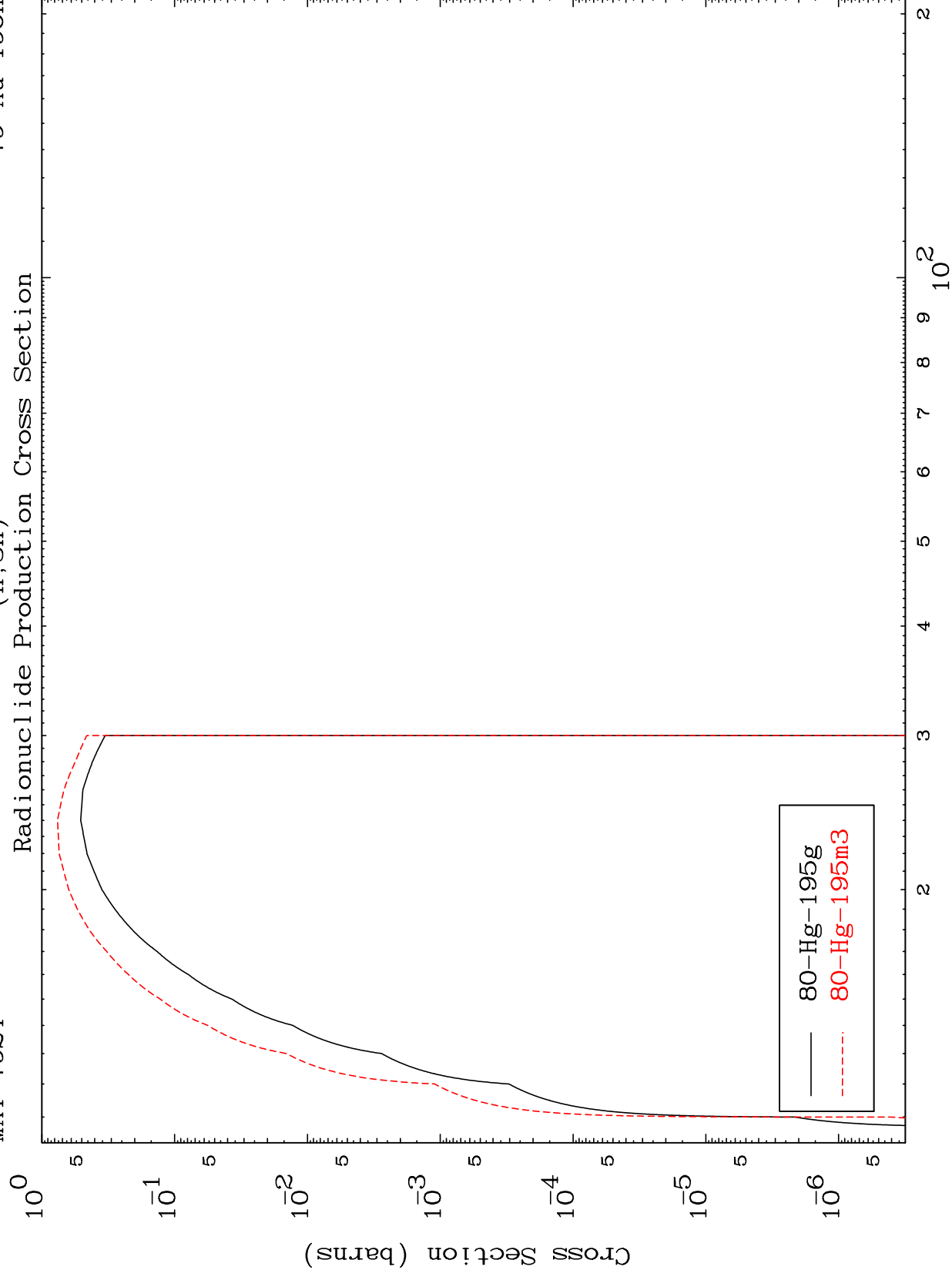




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$$(n, 3n)$$
 $^{79}\text{-Au-}^{196}\text{n}$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

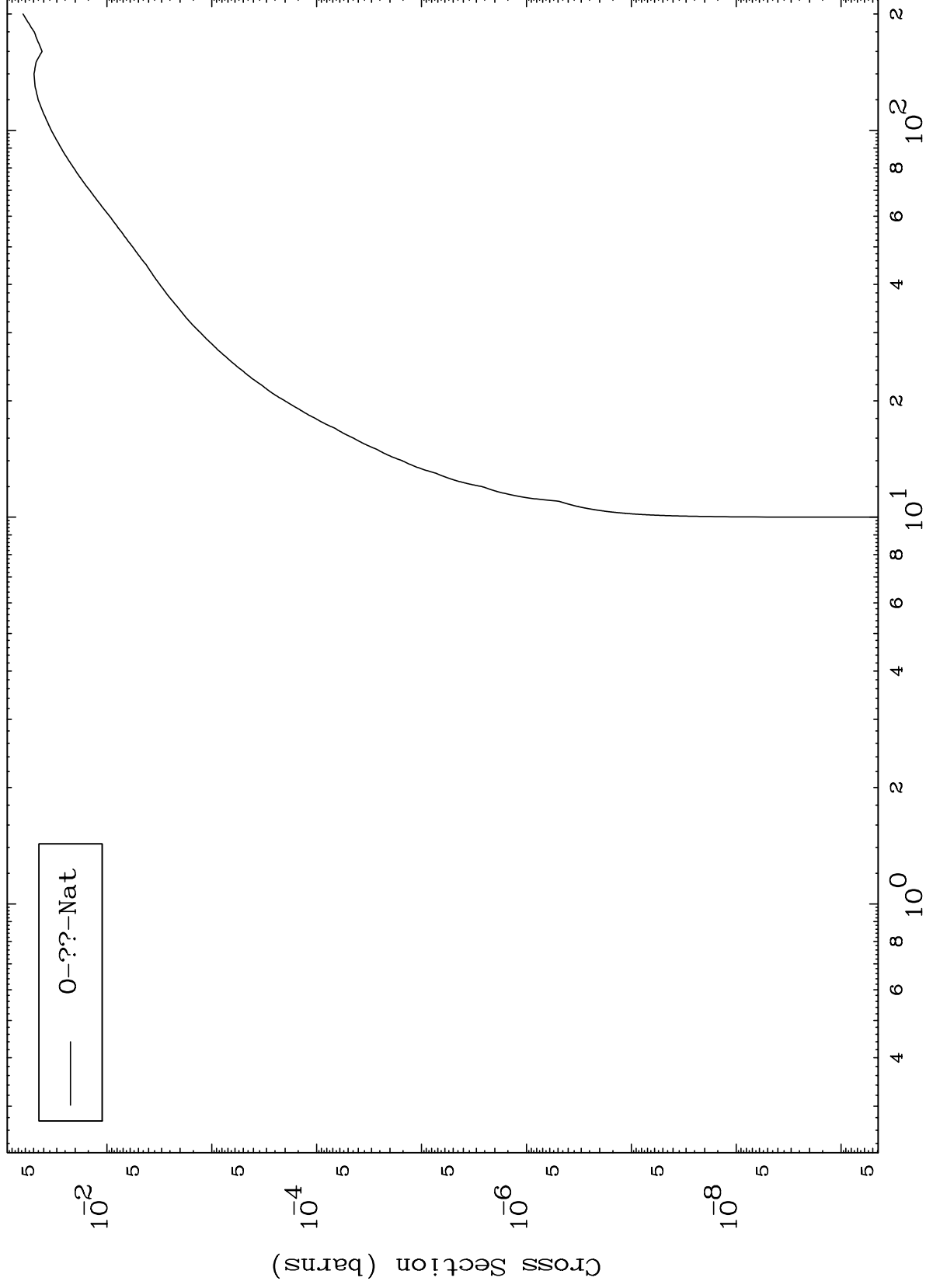
79-Au-196n

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Fission

⁷⁹Au-196n

Radionuclide Production Cross Section



15

Incident Energy (MeV)

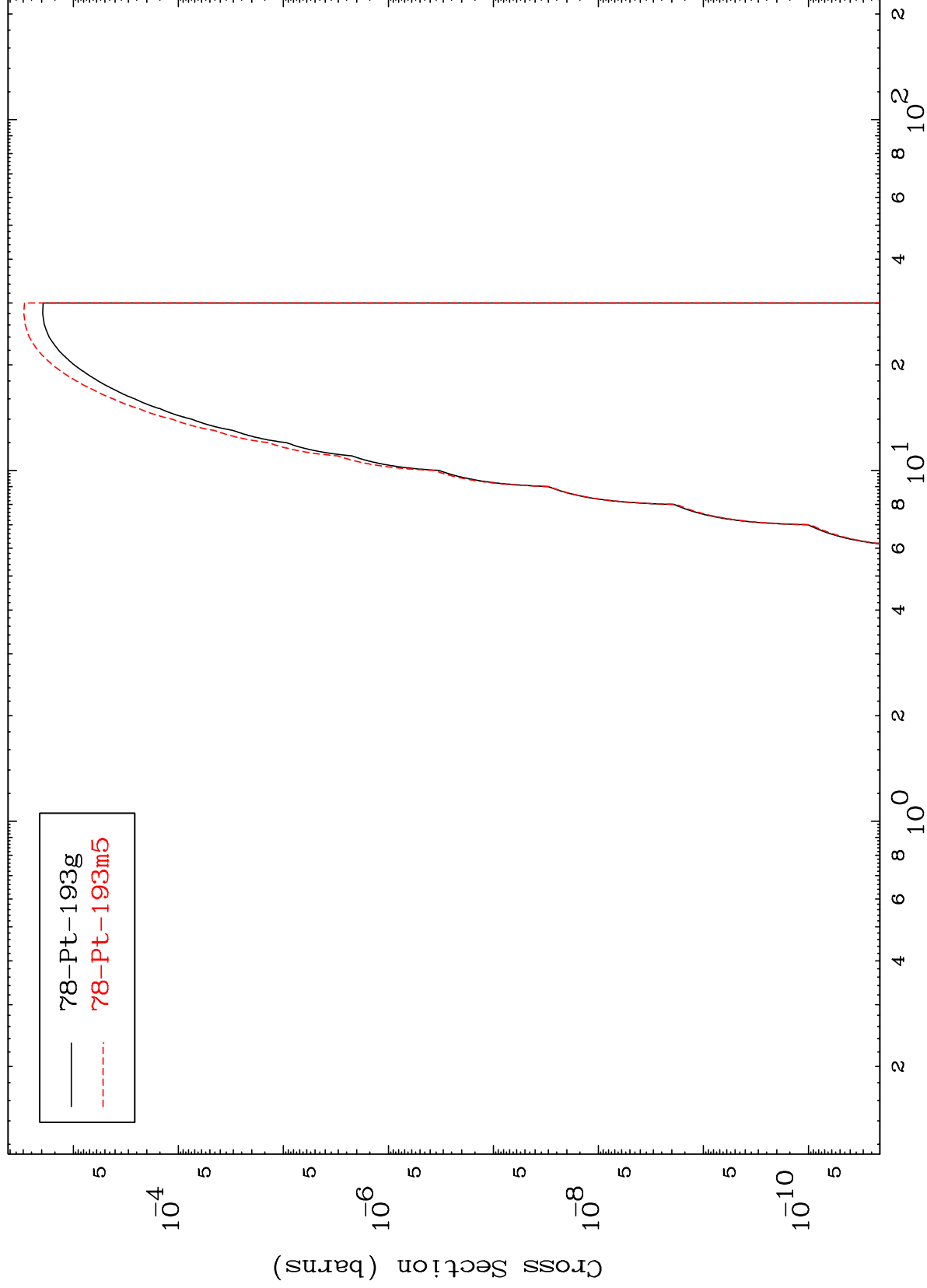
⁷⁹Au-196n

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

$(n,n') \alpha$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

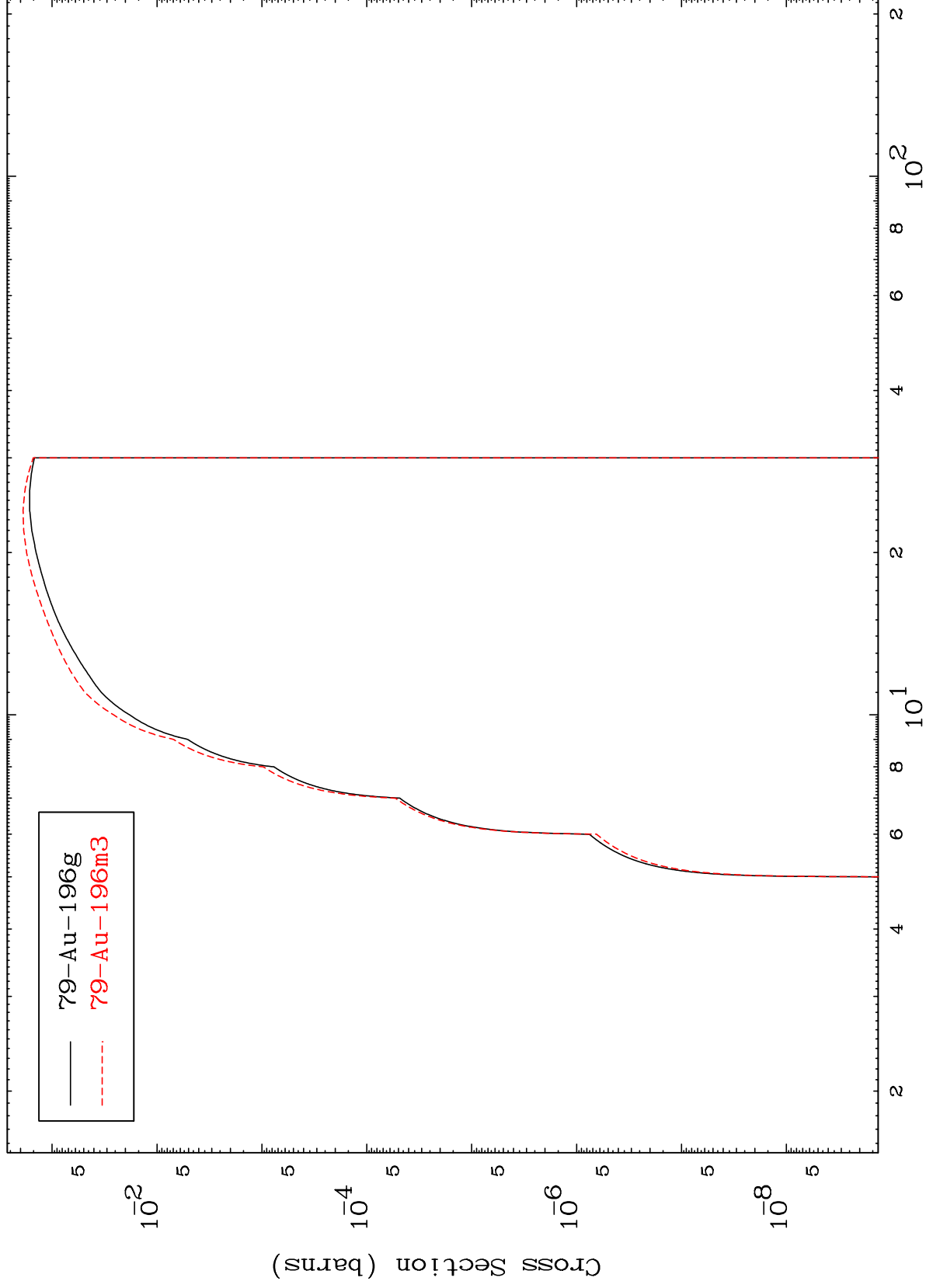
$^{79}\text{Au-196n}$

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

Radionuclide Production Cross Section

$(n,n')\text{ p}$



17

Incident Energy (MeV)

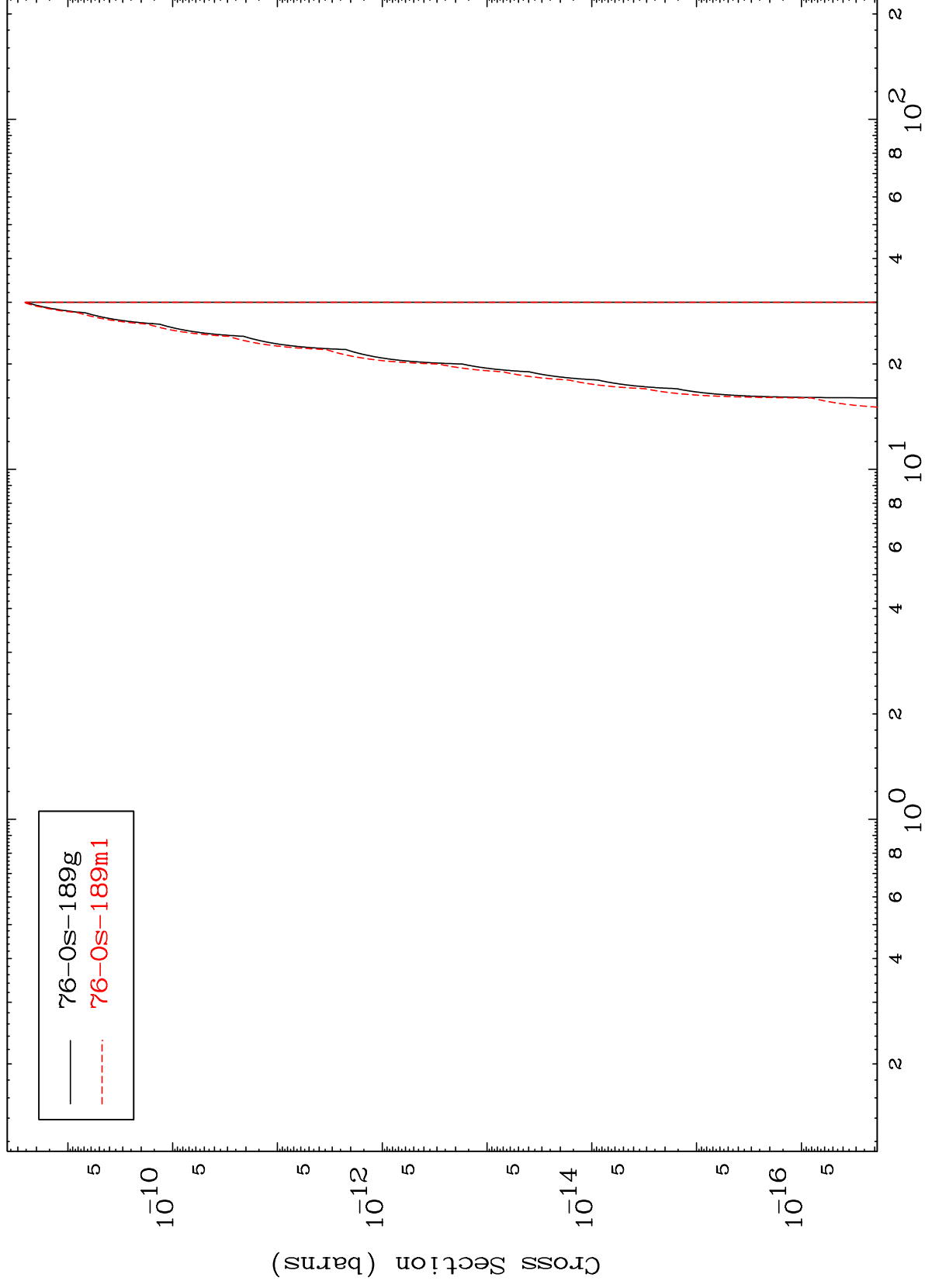
$^{79}\text{Au-196n}$

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(n,n') 2 α

⁷⁹Au-¹⁹⁶n

Radionuclide Production Cross Section



18

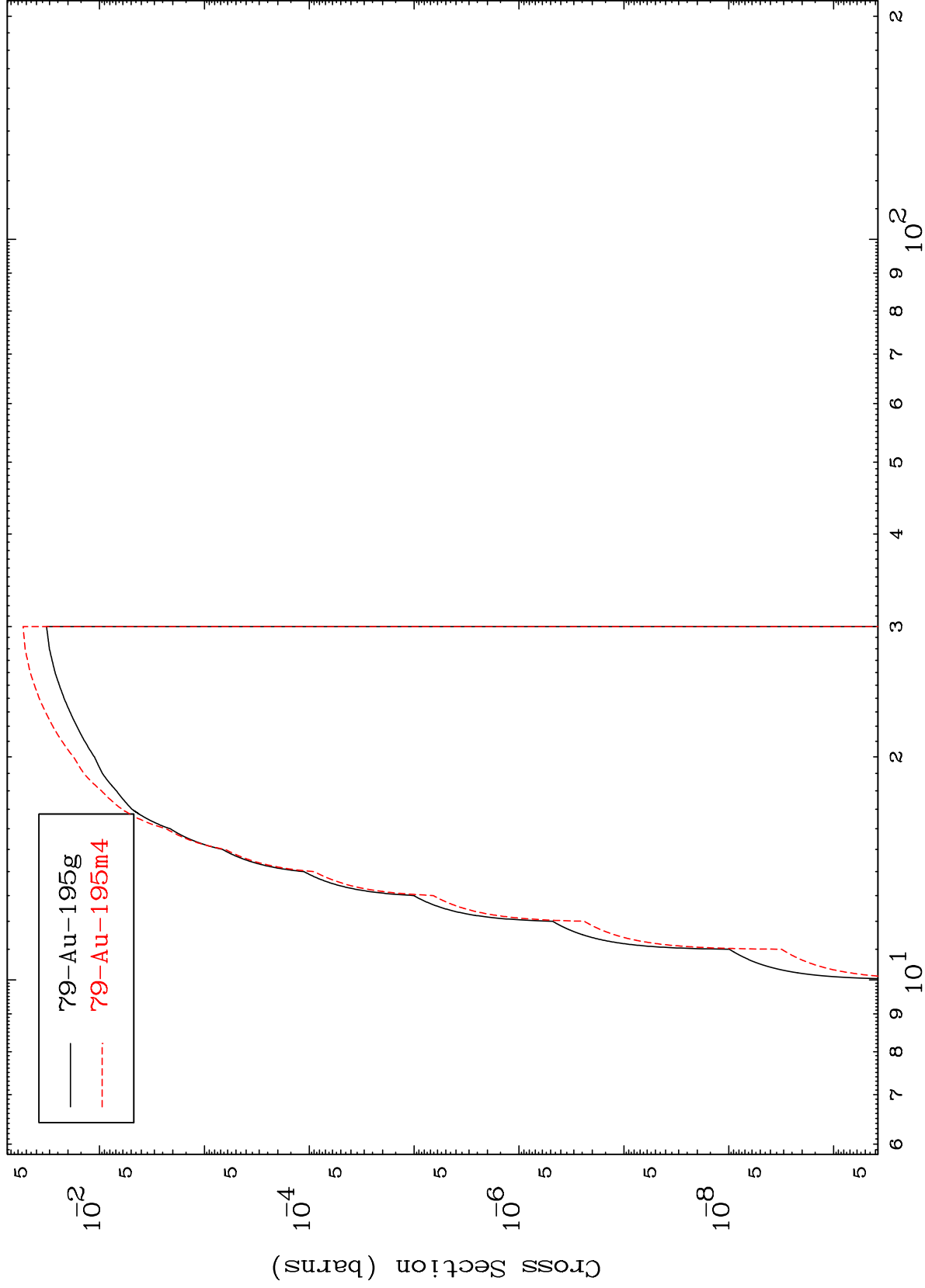
Incident Energy (MeV)

⁷⁹Au-¹⁹⁶n

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

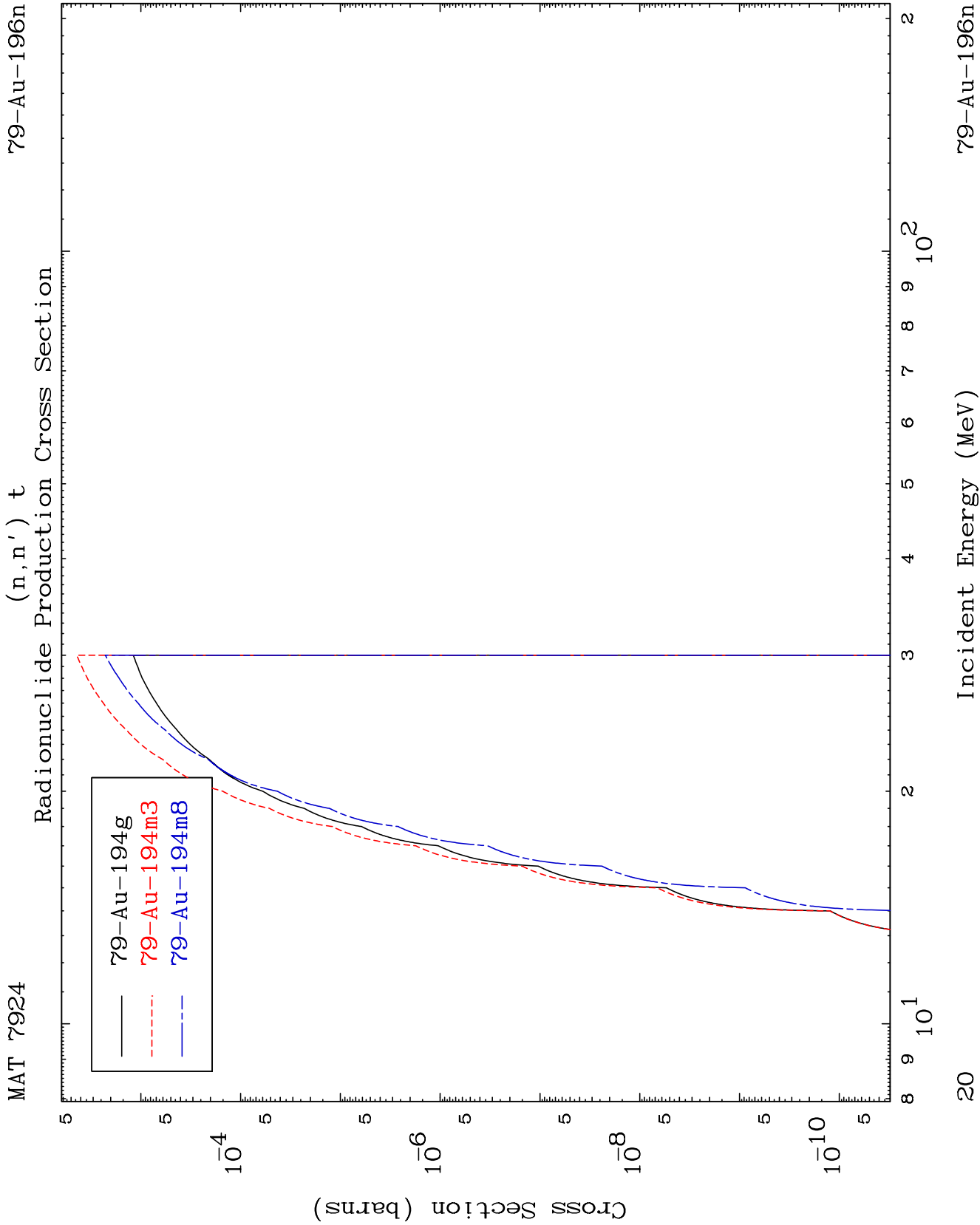
$(n,n')\text{ d}$
Radionuclide Production Cross Section

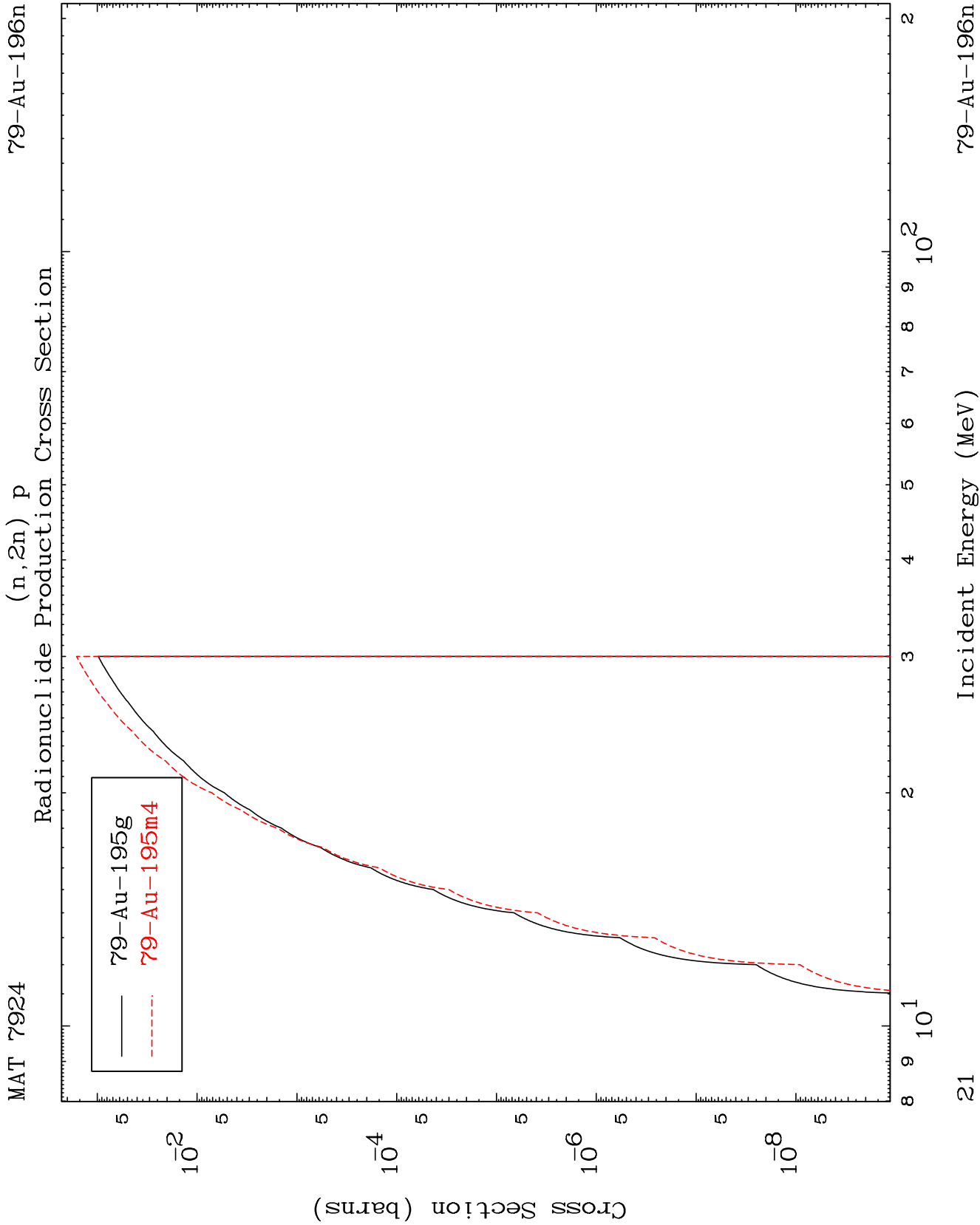


$^{79}\text{Au-196n}$

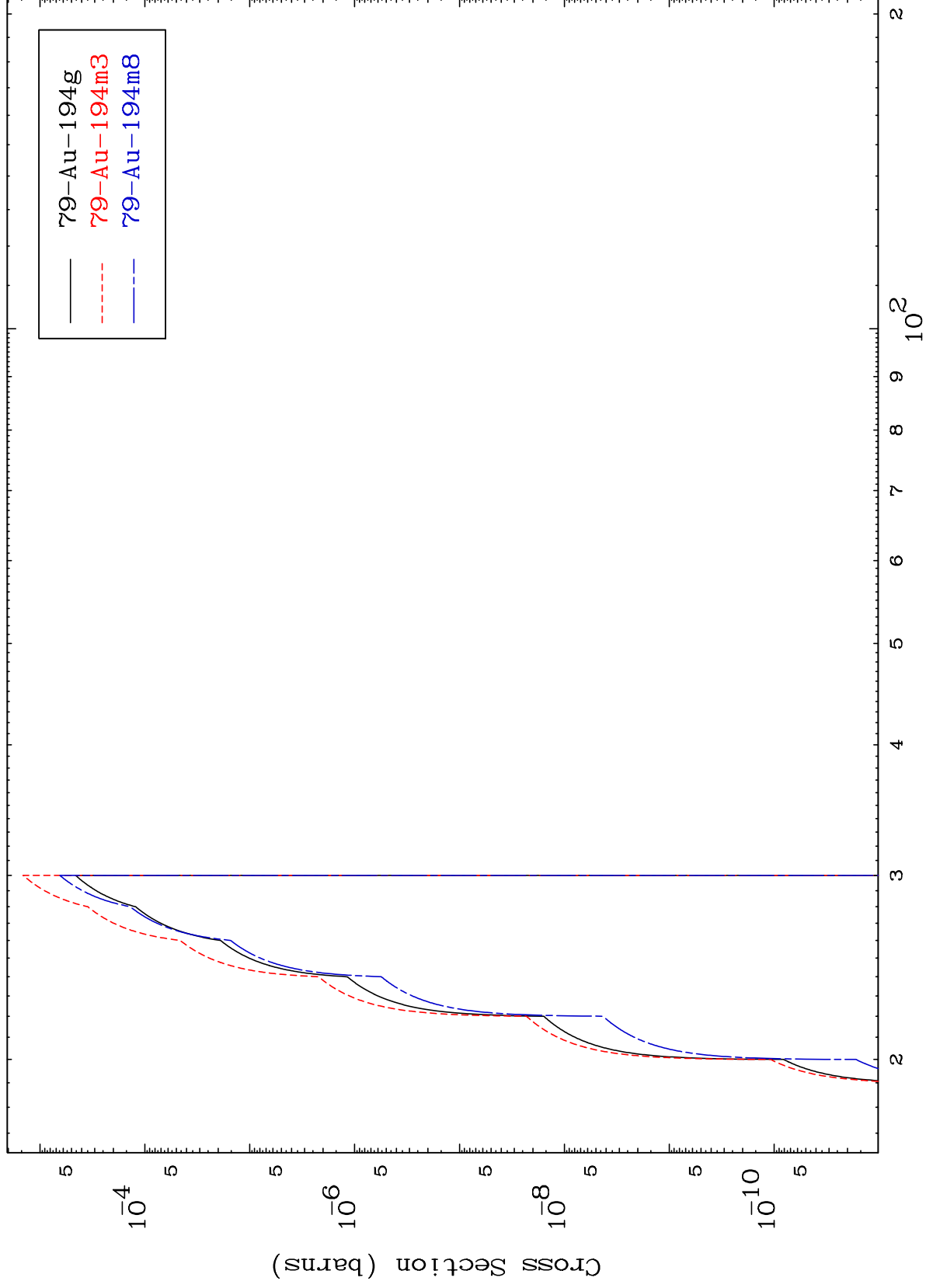
Incident Energy (MeV)

19





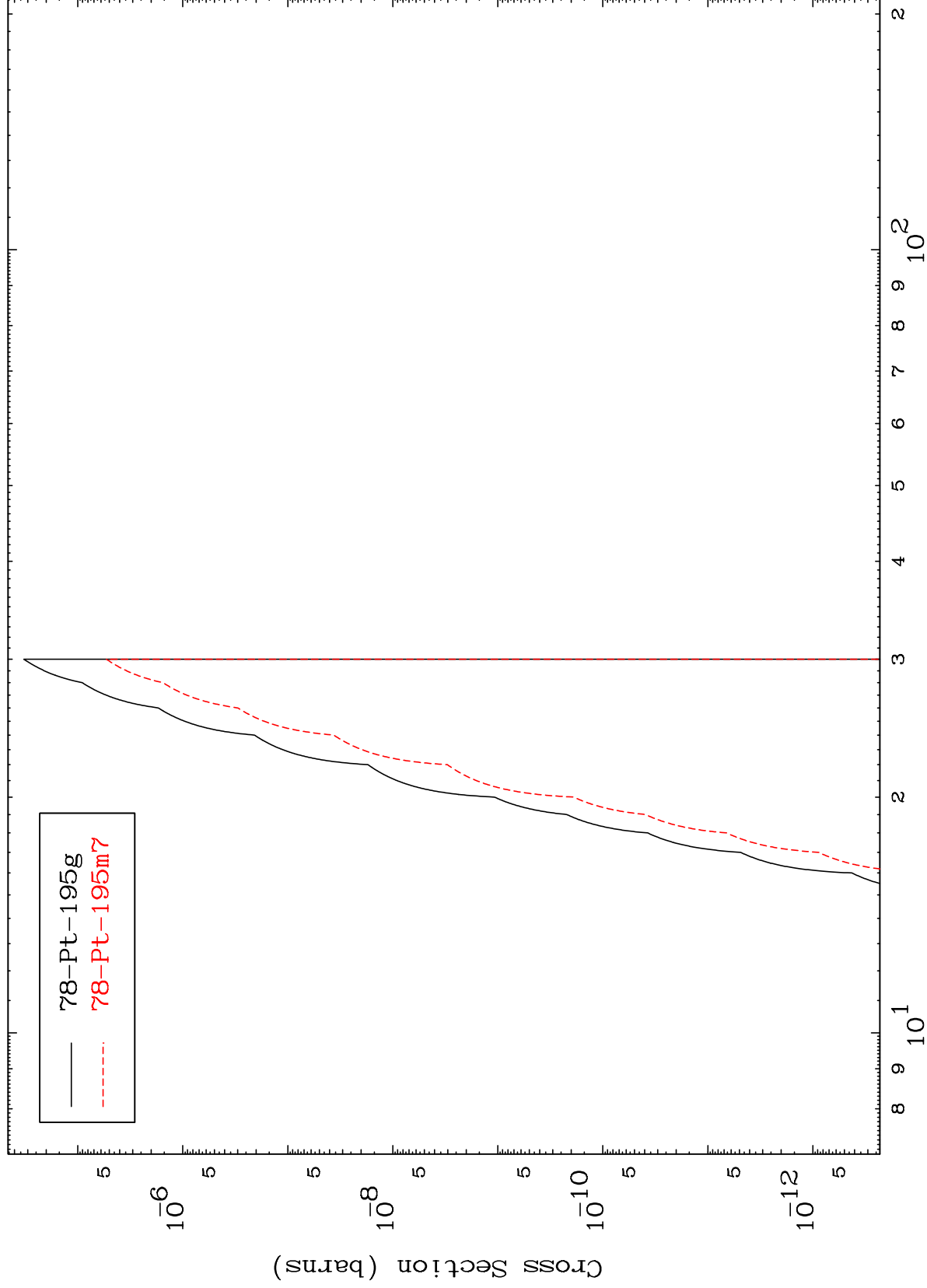
(n,3n) p
Radionuclide Production Cross Section



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

Radionuclide Production Cross Section



Incident Energy (MeV)

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

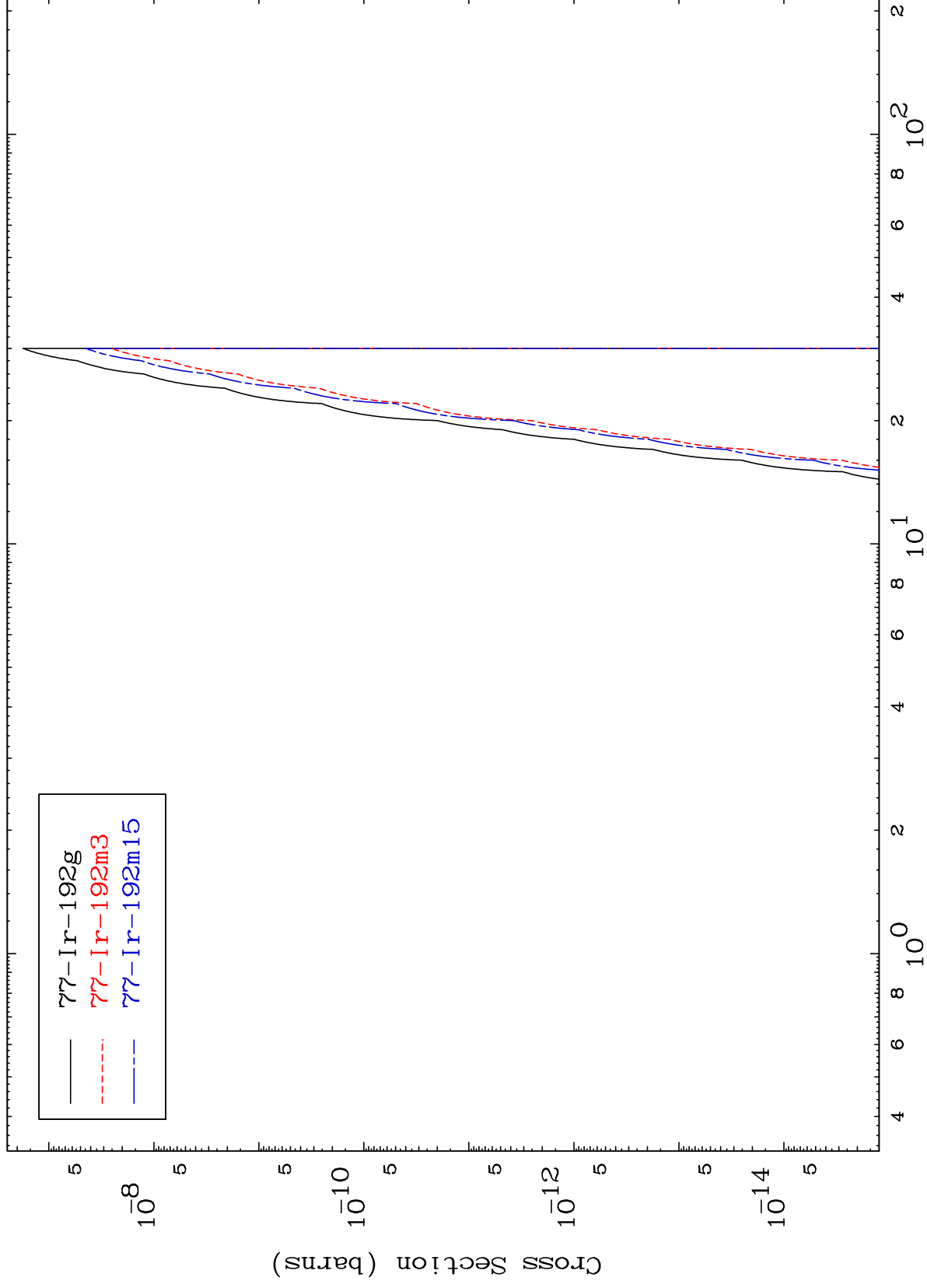
23

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(n,n') p α

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

Radionuclide Production Cross Section



24

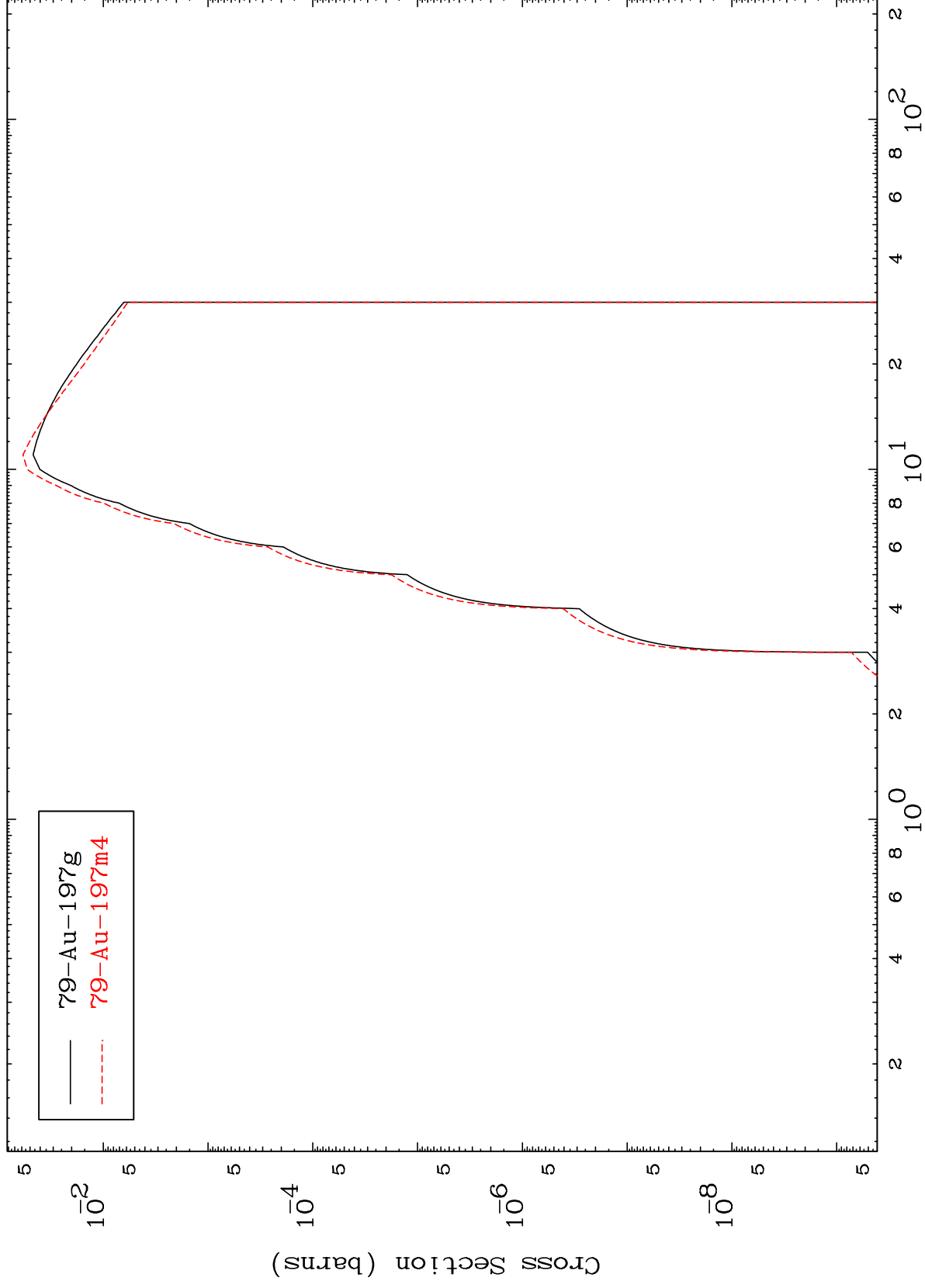
Incident Energy (MeV)

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

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

Radionuclide Production Cross Section



25

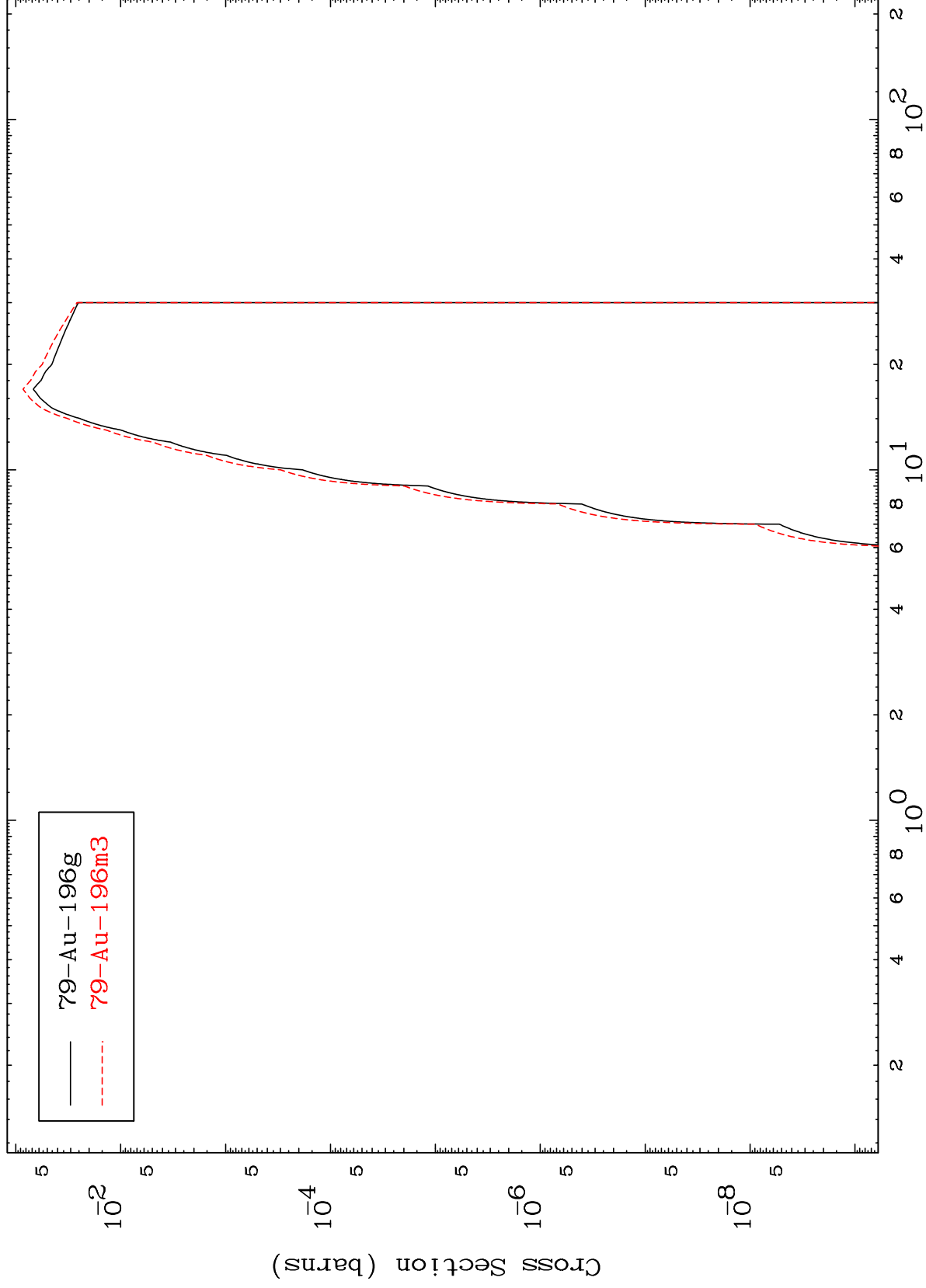
Incident Energy (MeV)

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

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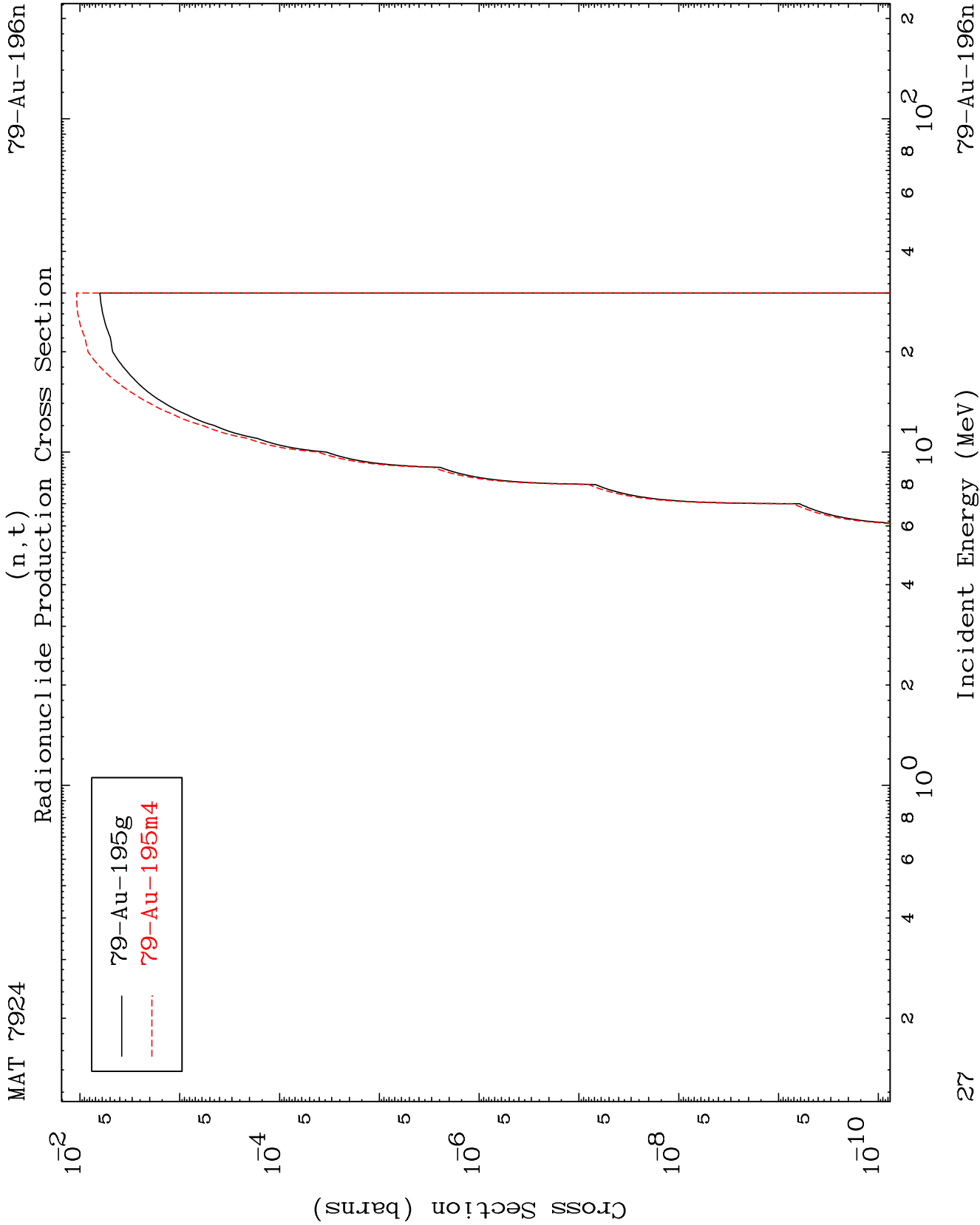
$^{79}\text{Au-196n}$

Radionuclide Production Cross Section (n,d)



26

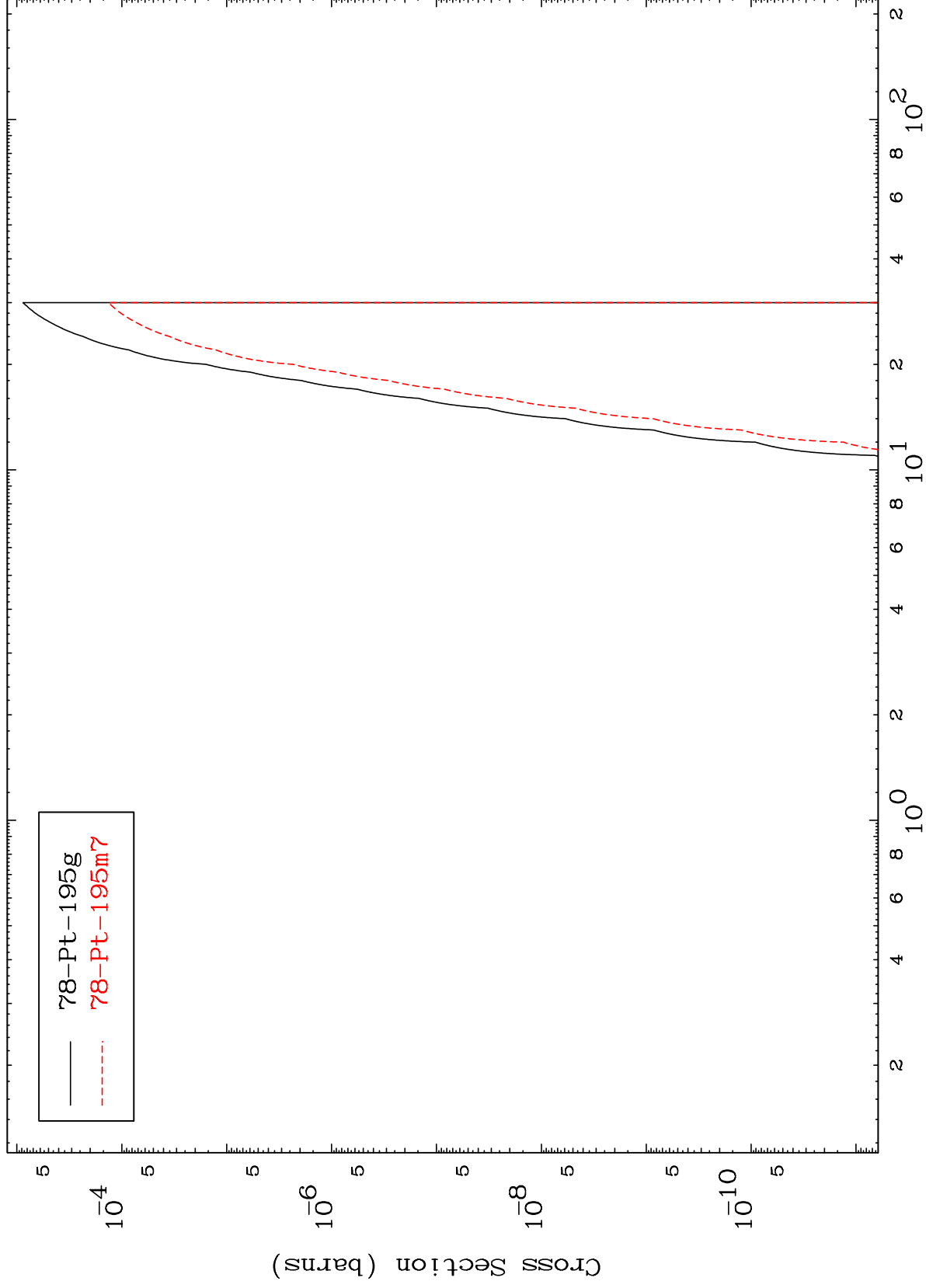
$^{79}\text{Au-196n}$



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

Radionuclide Production Cross Section



28

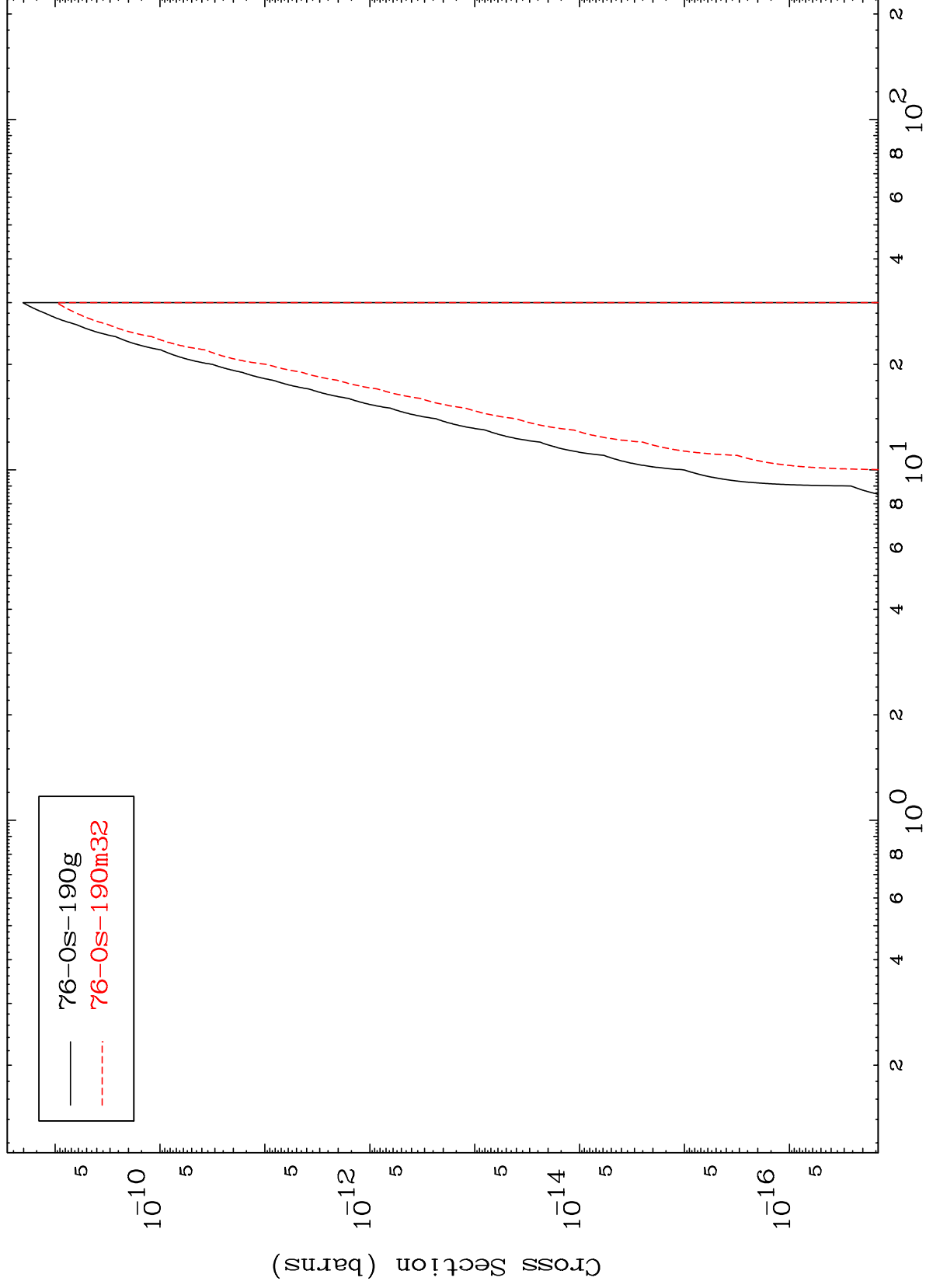
Incident Energy (MeV)

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

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⁷⁹Au-¹⁹⁶n

Radionuclide Production Cross Section



29

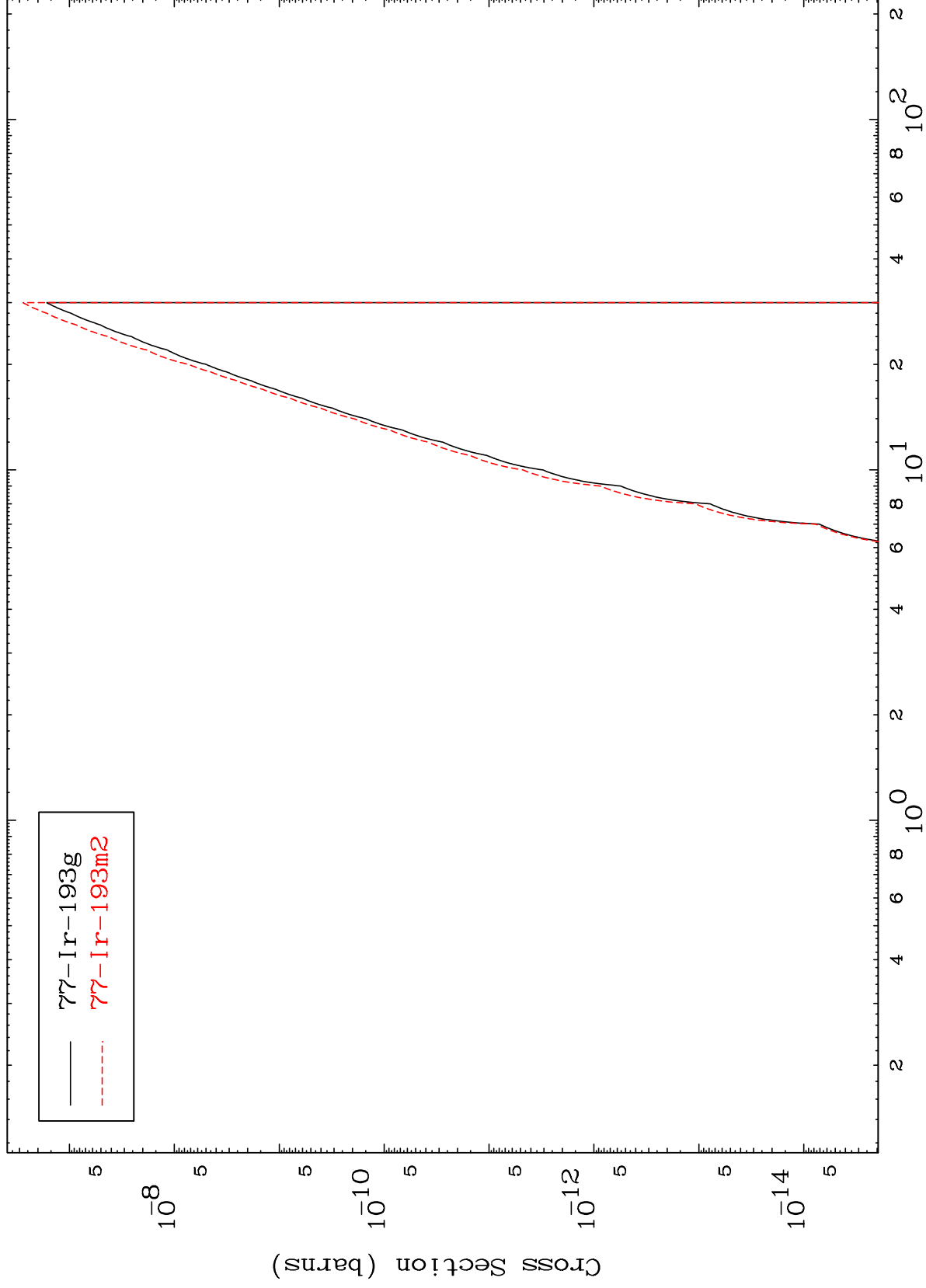
Incident Energy (MeV)

⁷⁹Au-¹⁹⁶n

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

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



30

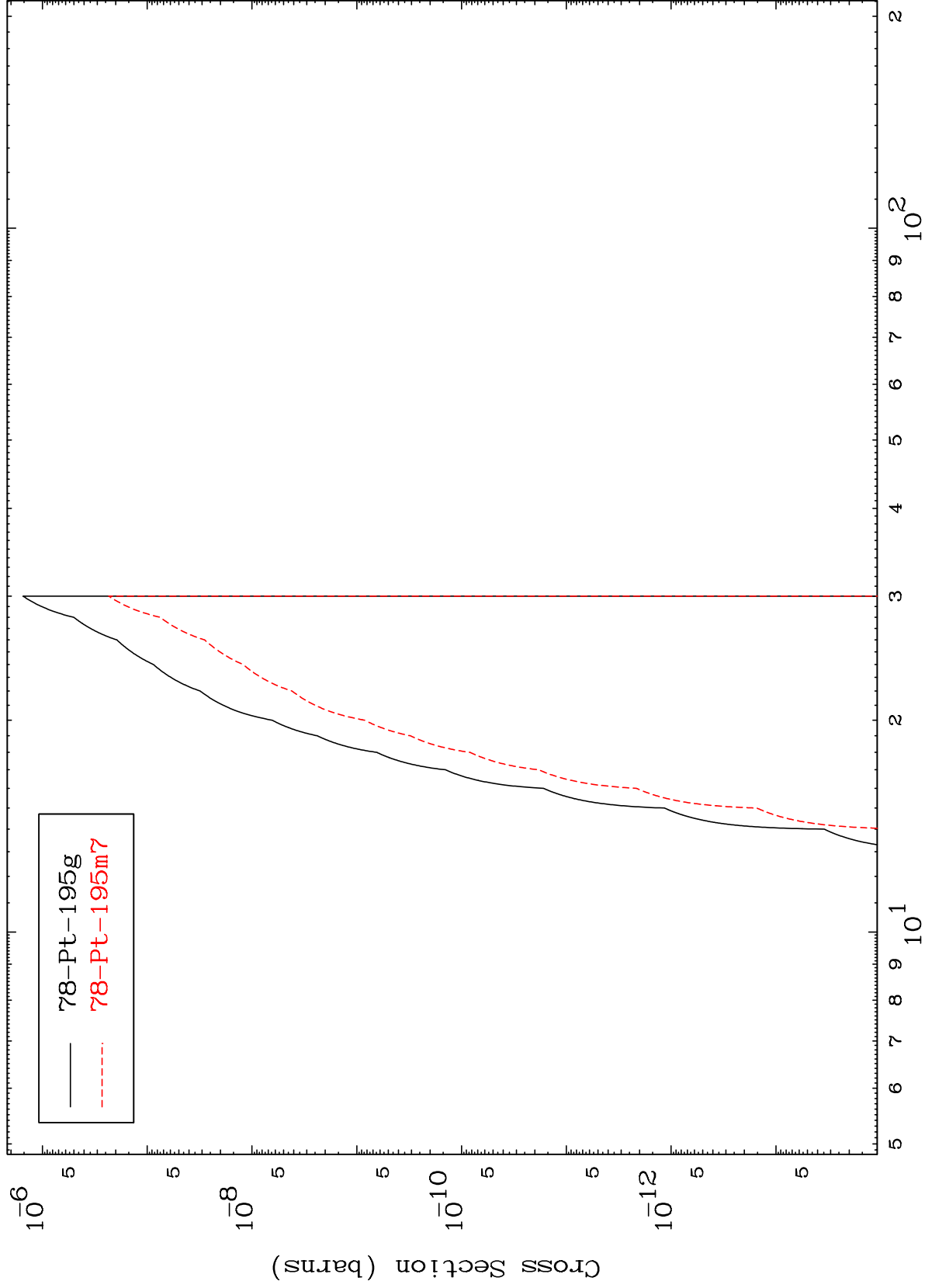
Incident Energy (MeV)

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

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

(n,p) d
Radionuclide Production Cross Section



31

Incident Energy (MeV)

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

