

Program EVALPLOT
(Version 2021-1)

by

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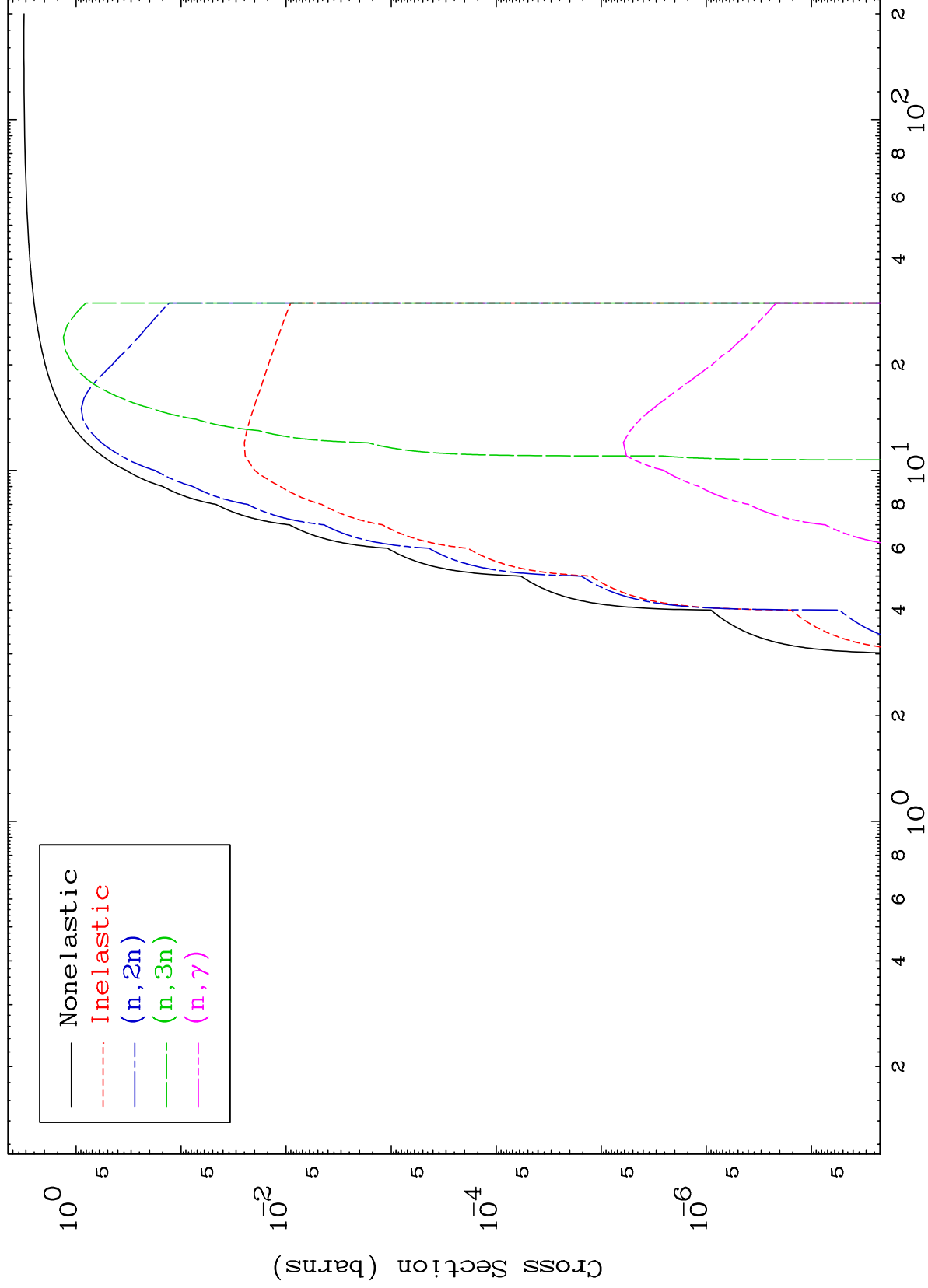
Press Mouse Button to Start

MAT 7924

Deuteron Major

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

0 Kelvin Cross Sections



1

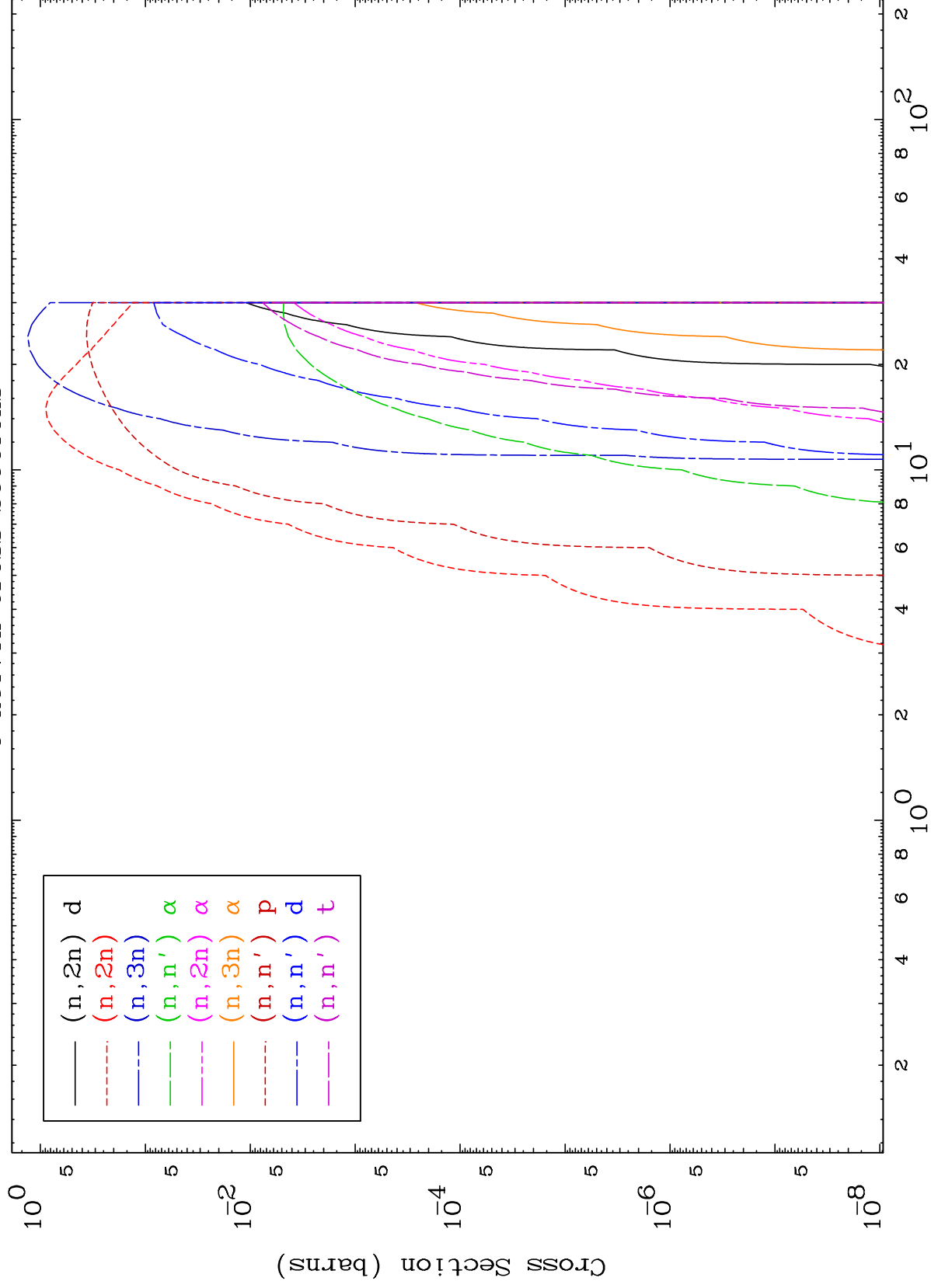
Incident Energy (MeV)

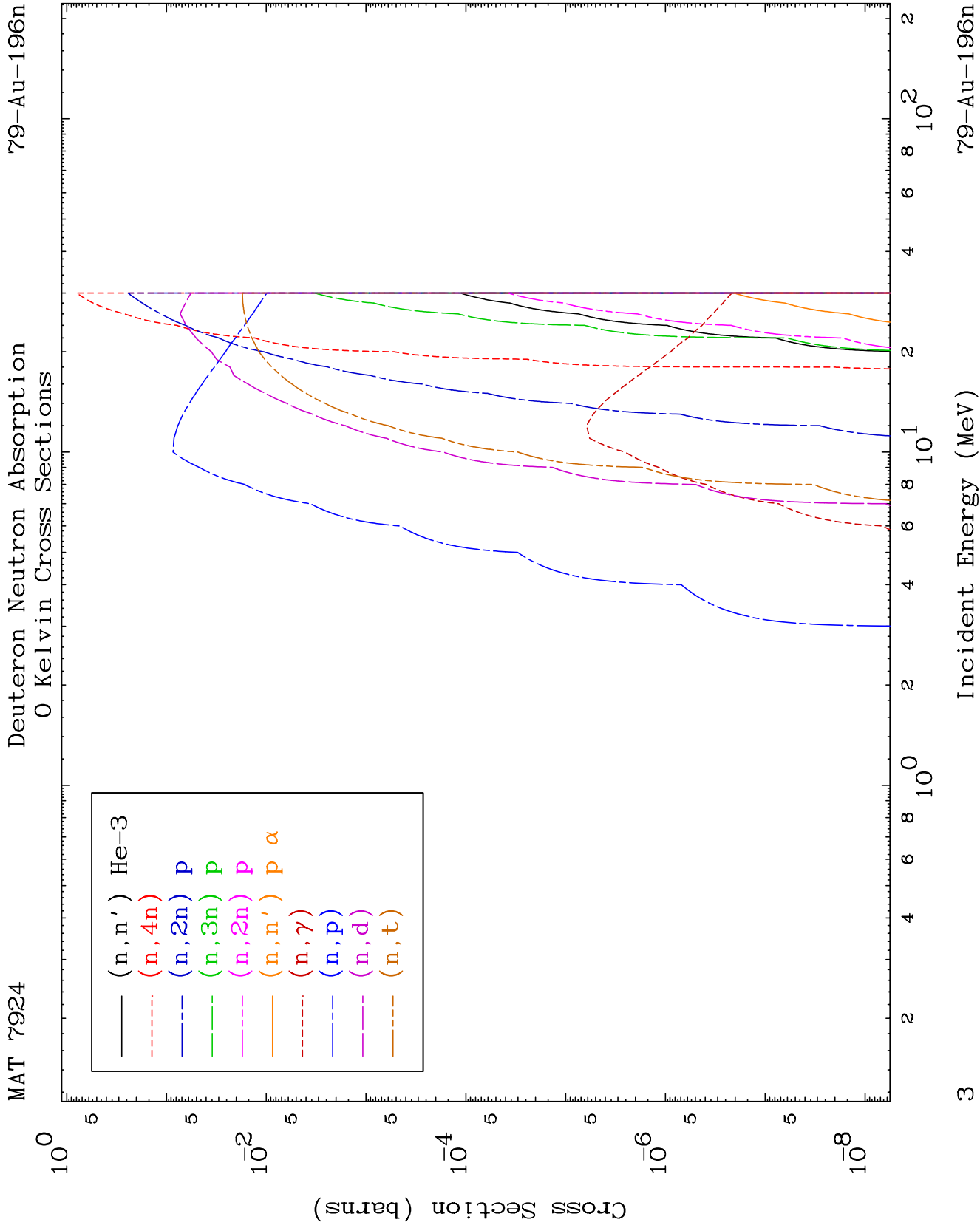
$^{79}\text{Au-196n}$

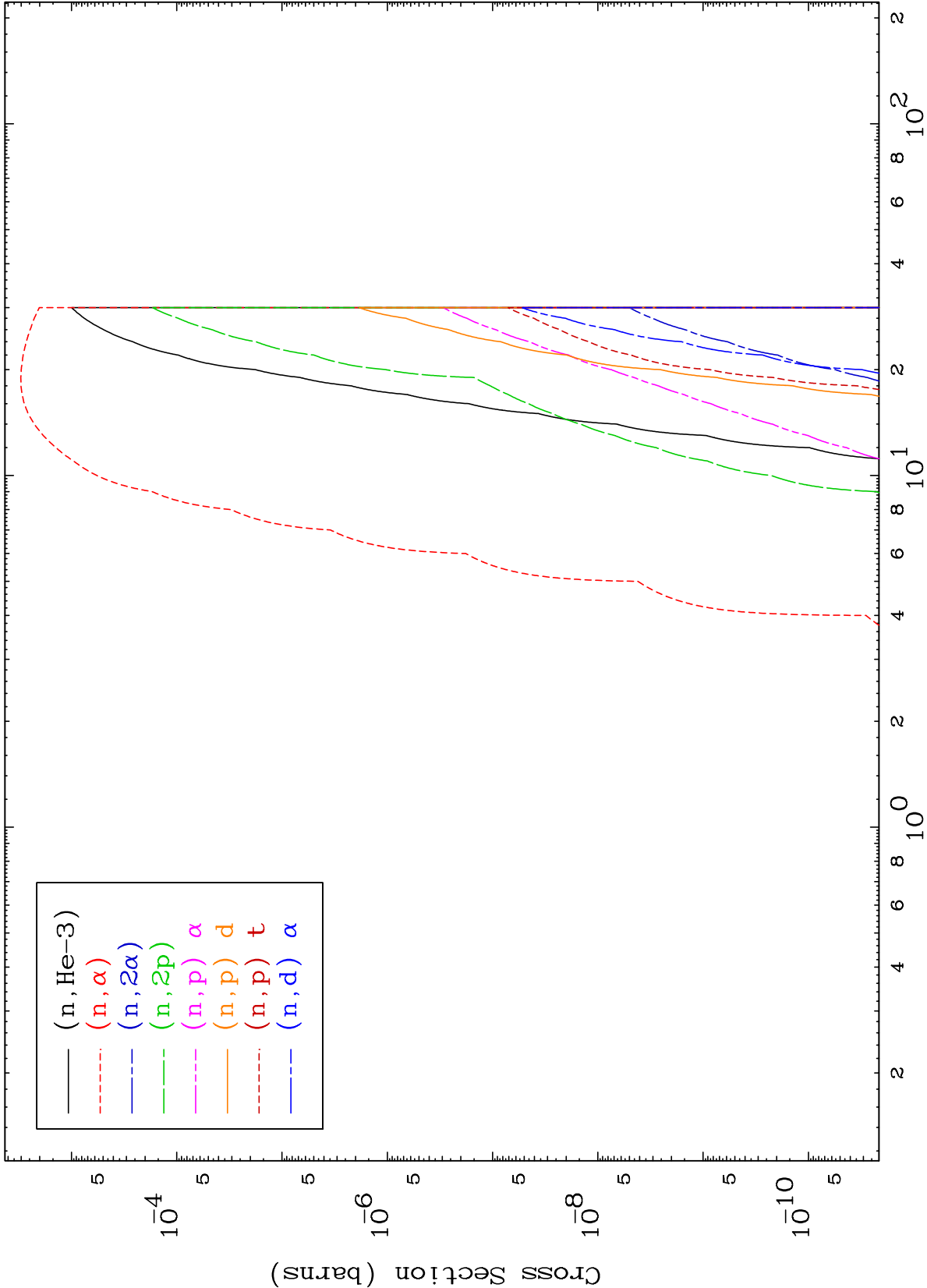
MAT 7924

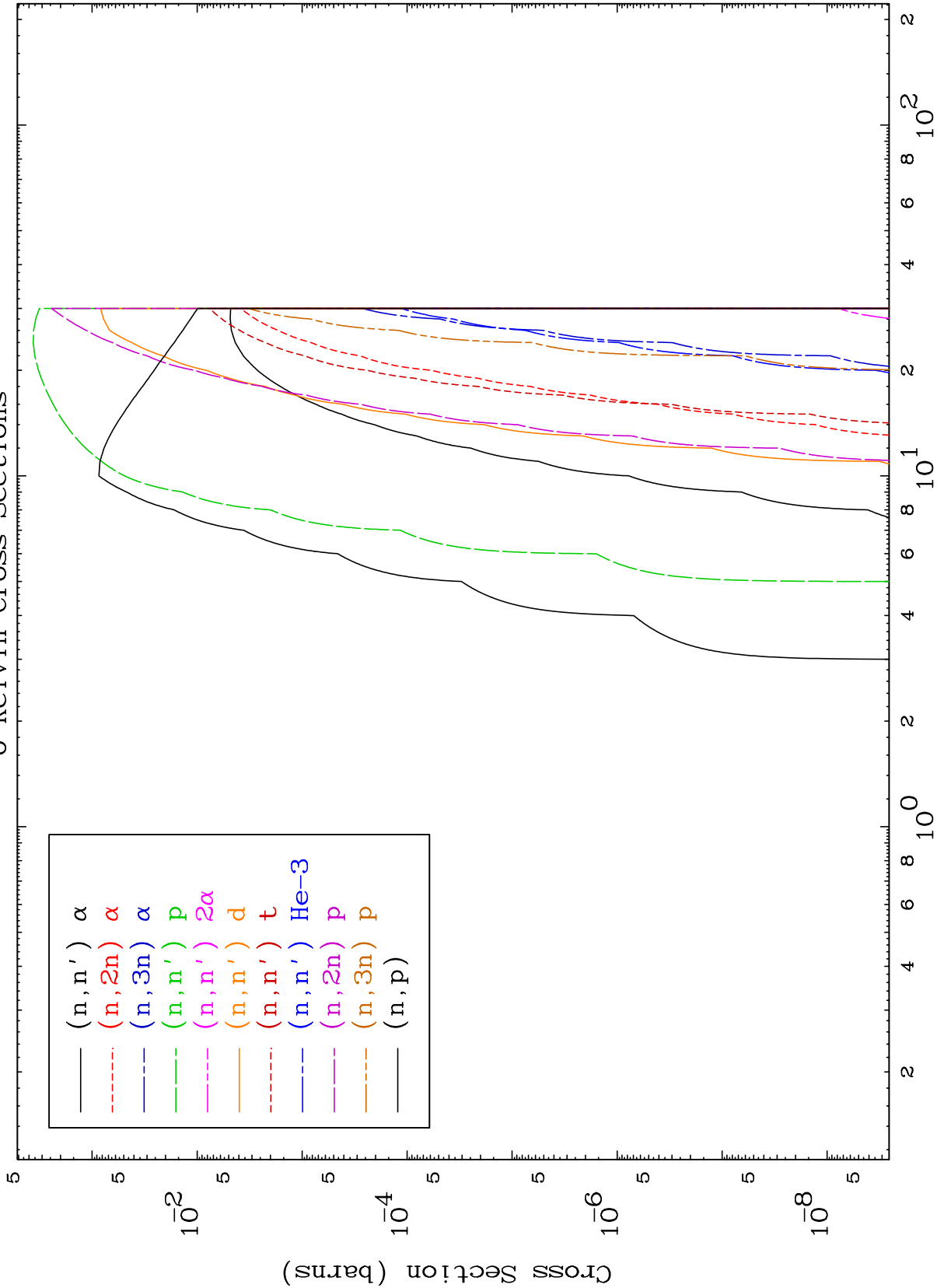
Deuteron Neutron Absorption
0 Kelvin Cross Sections

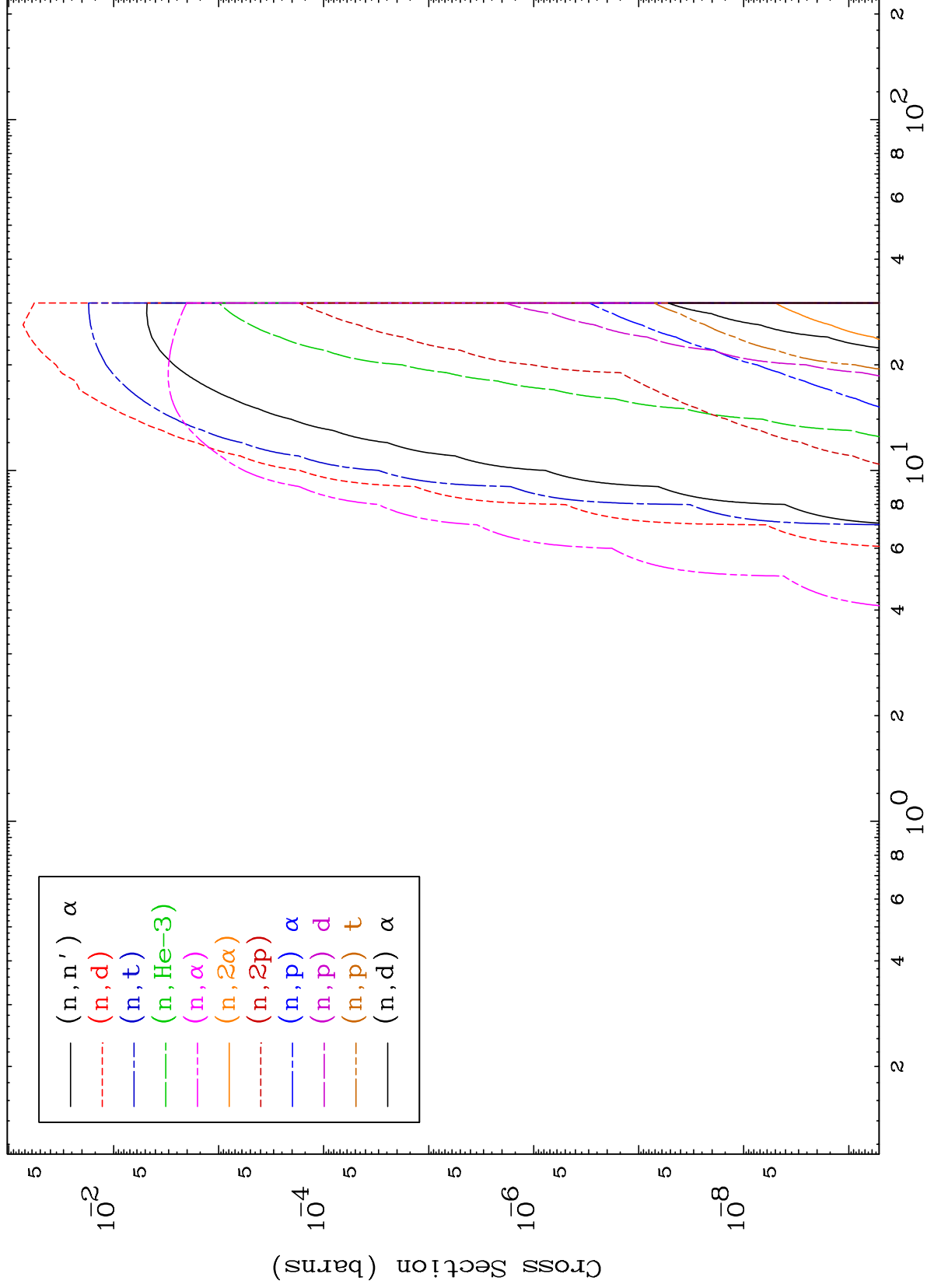
⁷⁹Au-196n







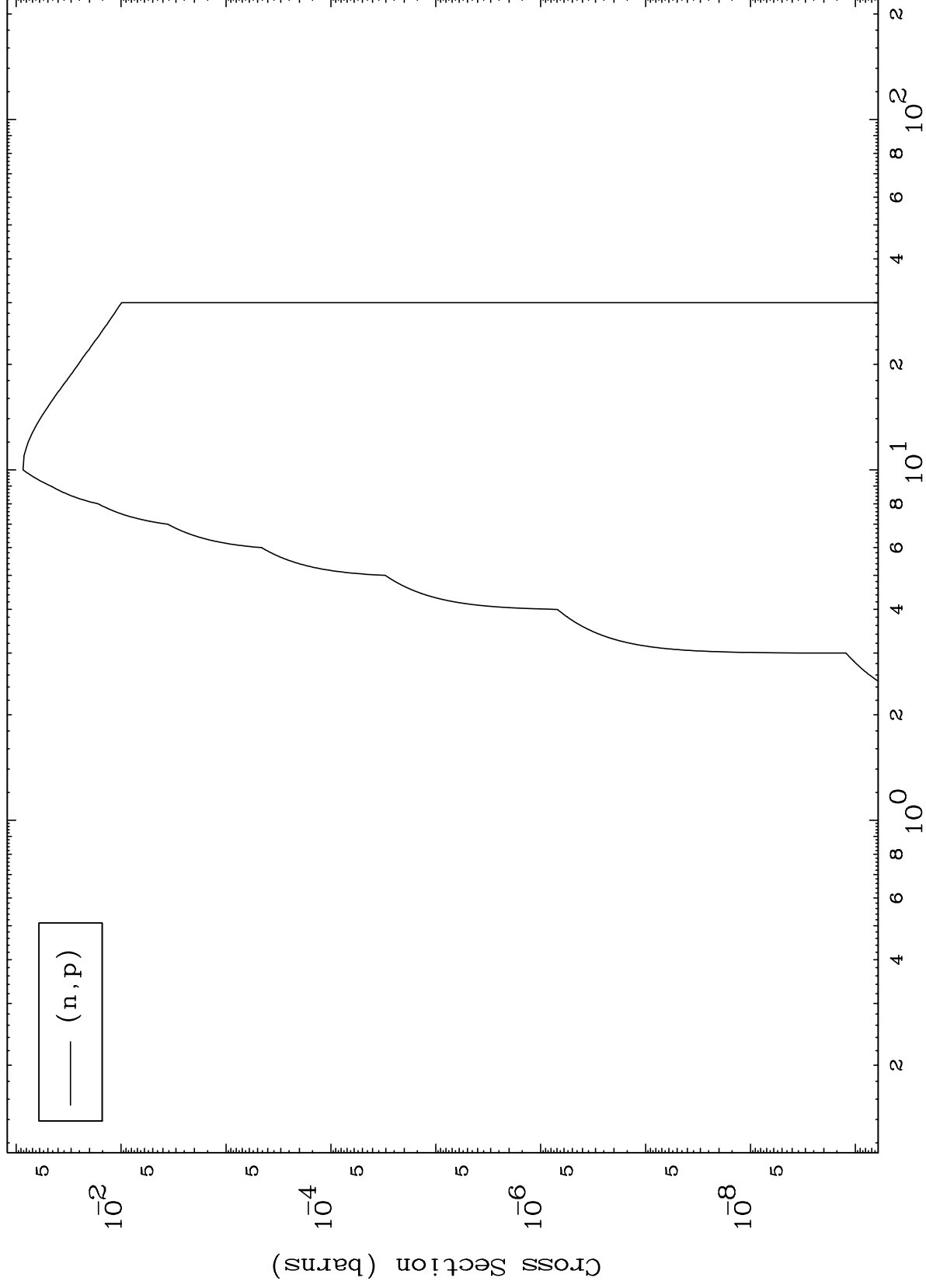




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⁷⁹Au-196n

(d,p) Levels
0 Kelvin Cross Sections



— (n,p)

7

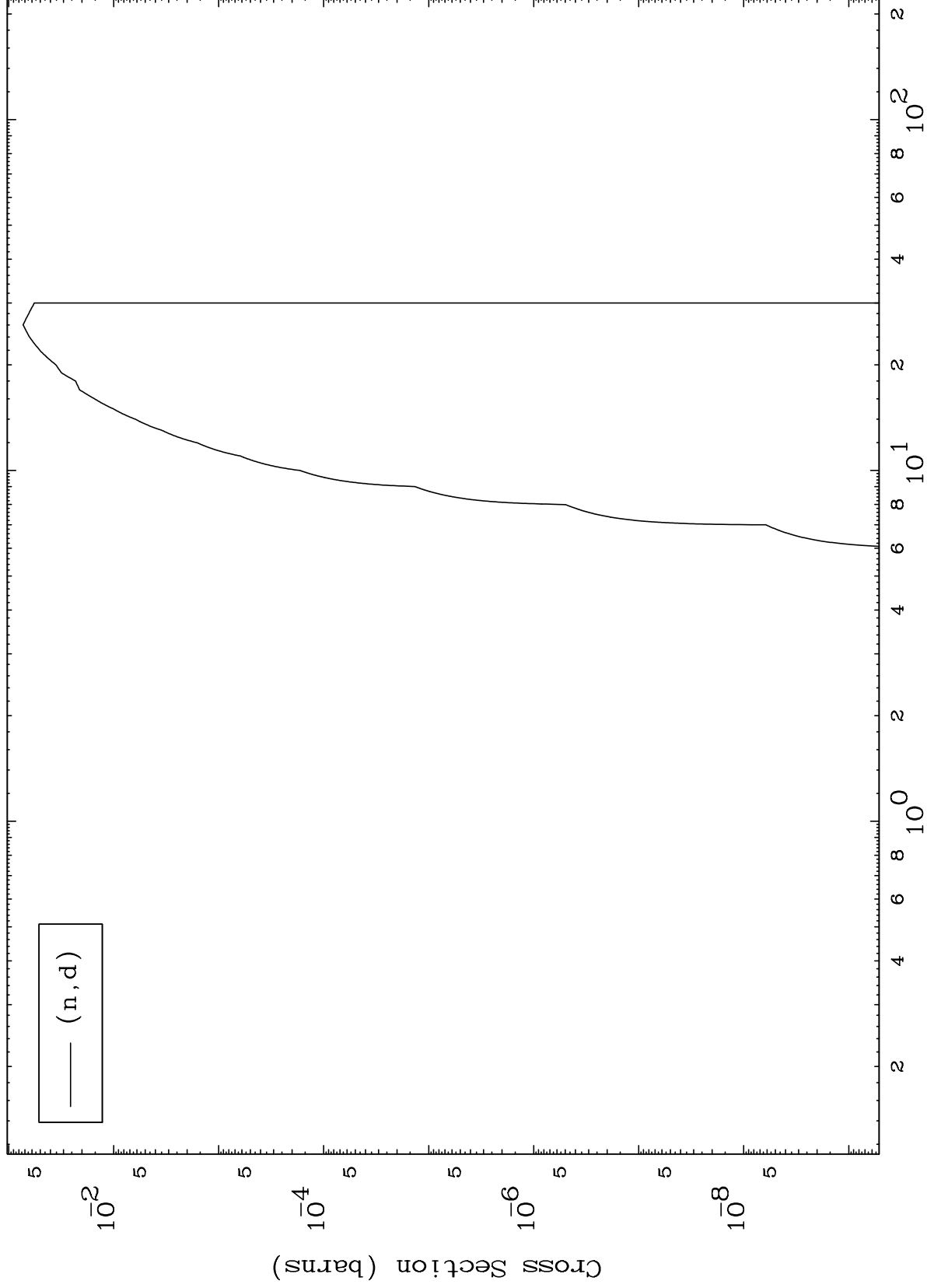
⁷⁹Au-196n

Incident Energy (MeV)

MAT 7924

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

(d,d) Levels
0 Kelvin Cross Sections



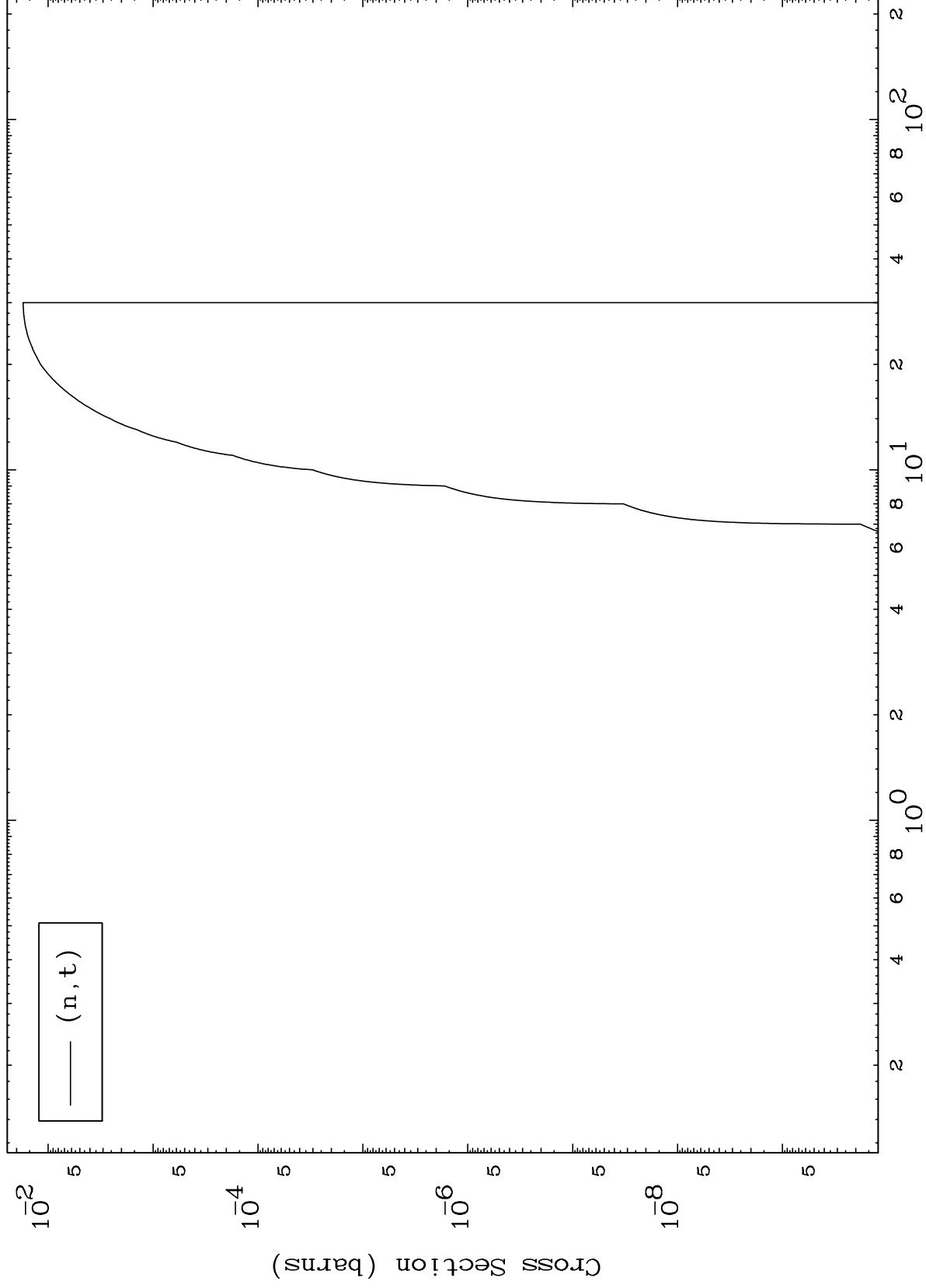
$^{79}\text{Au}-196\text{n}$

Incident Energy (MeV)

MAT 7924

⁷⁹Au-196n

(d,t) Levels
0 Kelvin Cross Sections

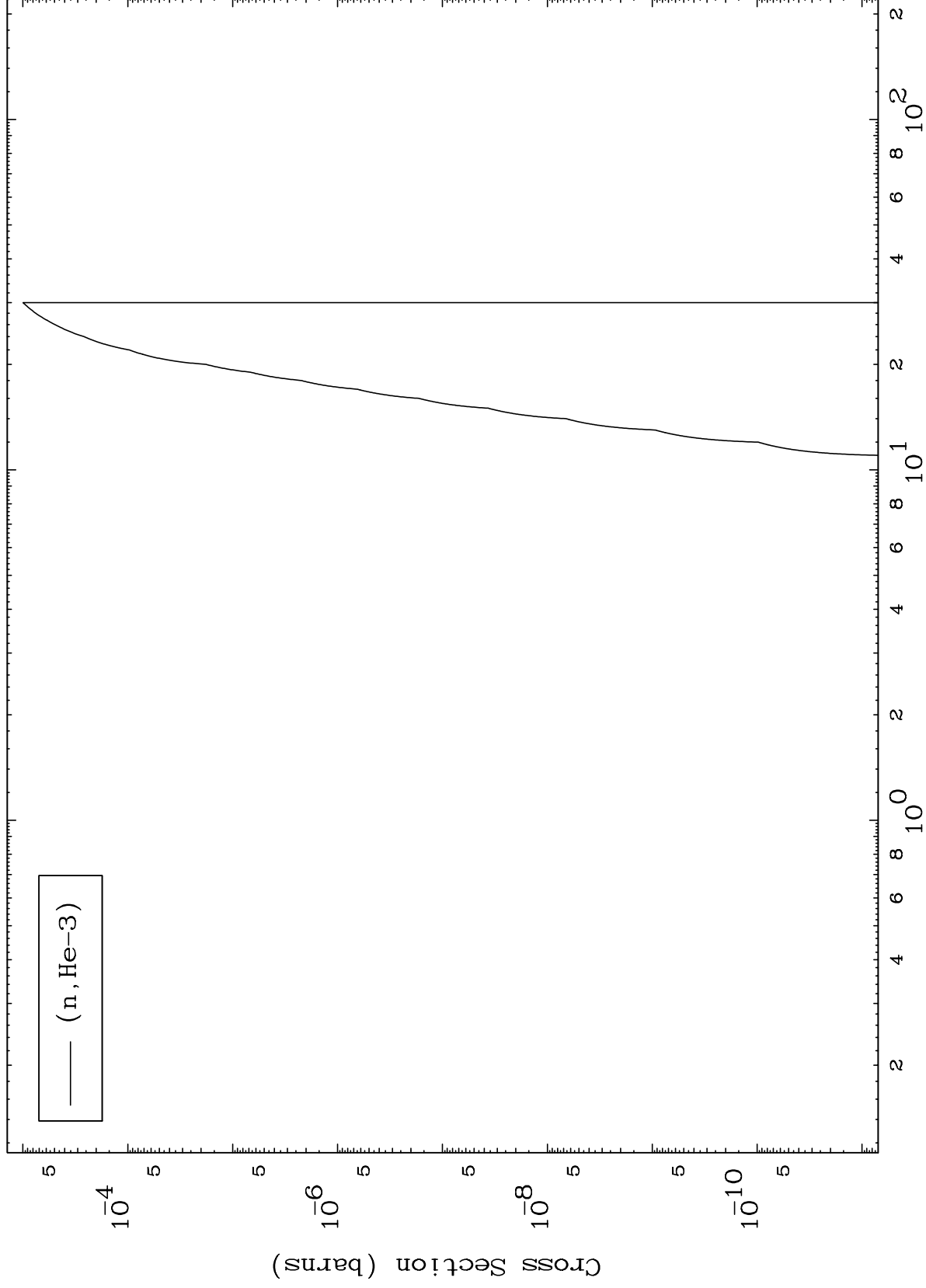


— (n,t)

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79-Au-196n

(d,He3) Levels
0 Kelvin Cross Sections

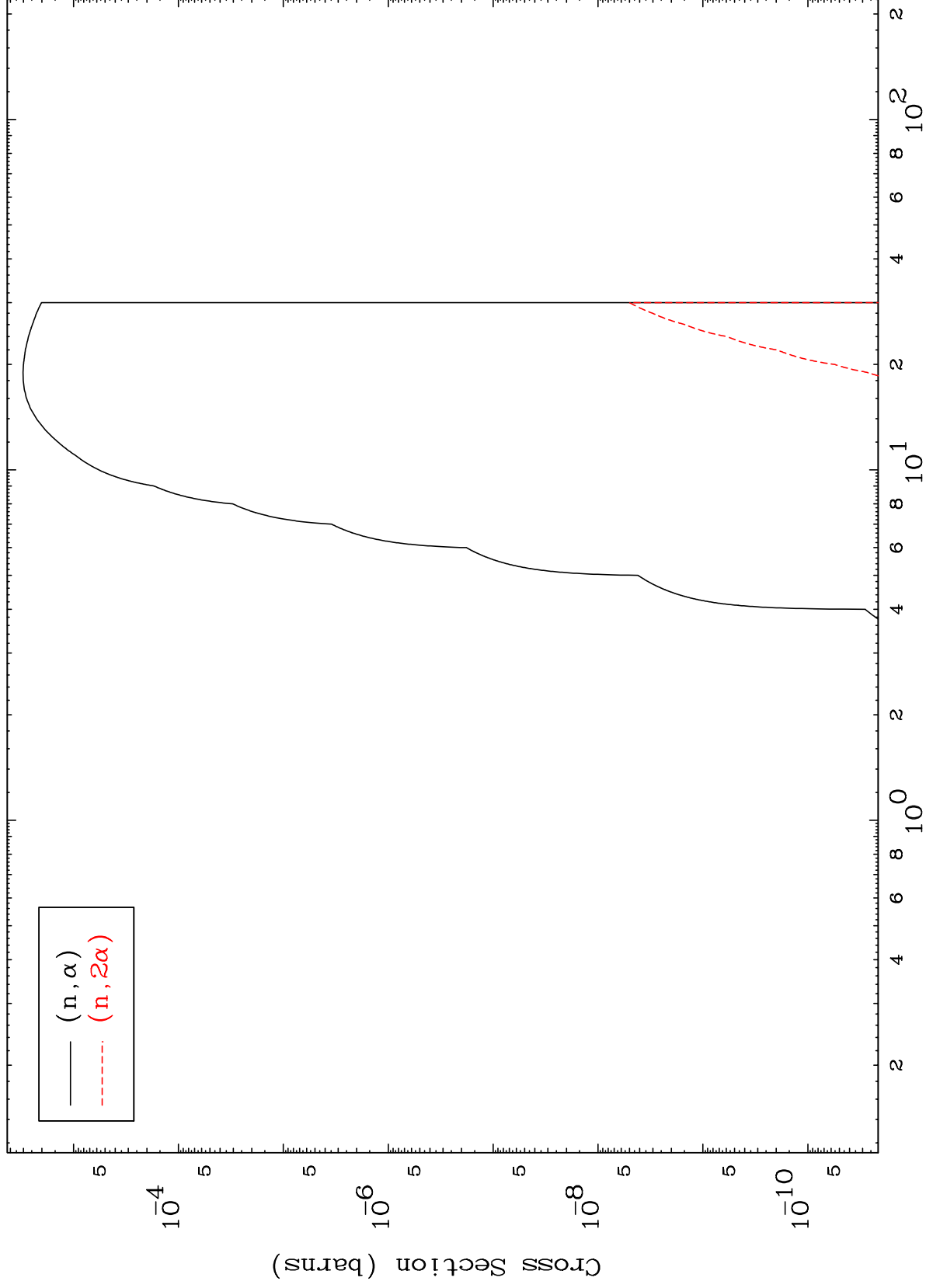


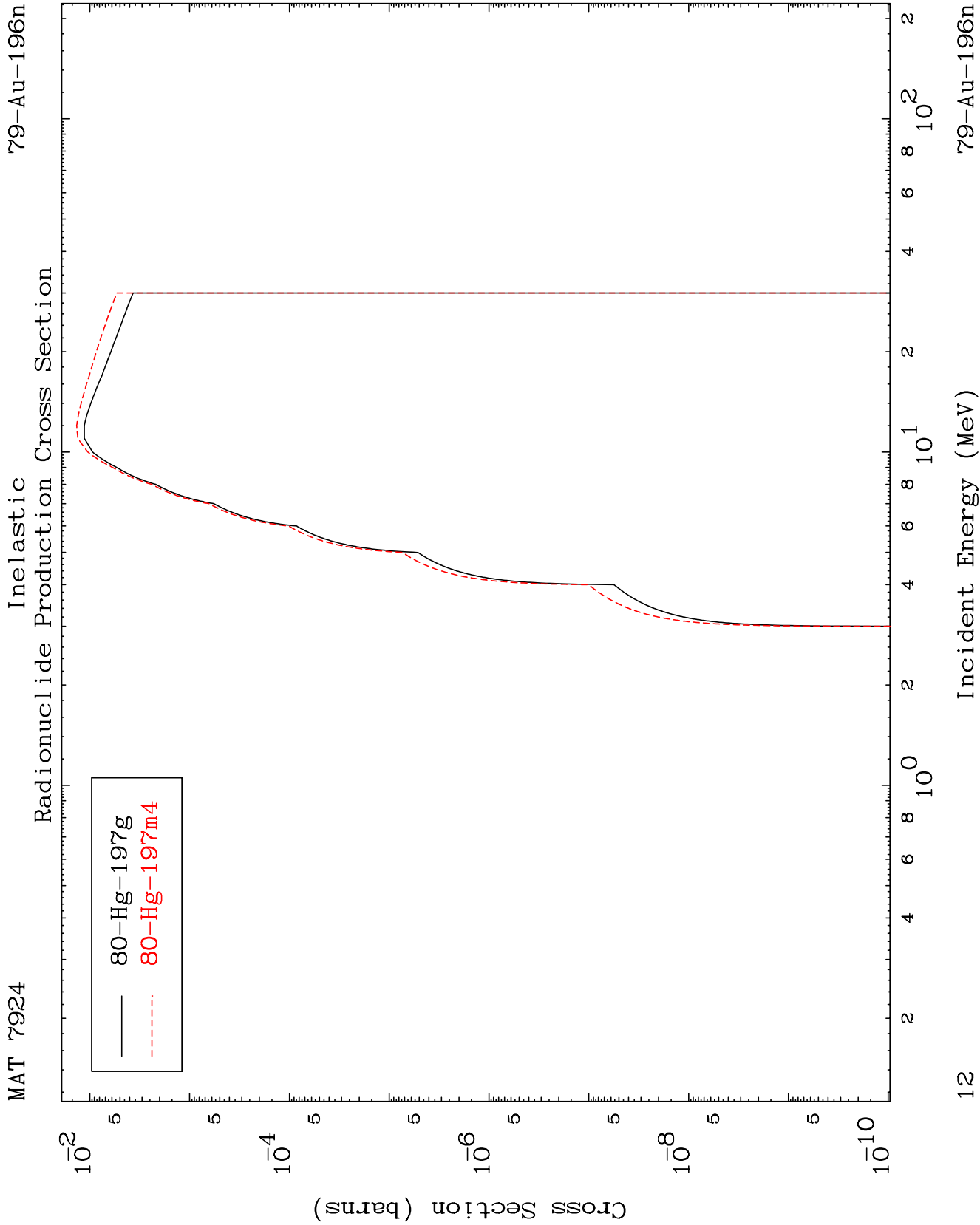
79-Au-196n

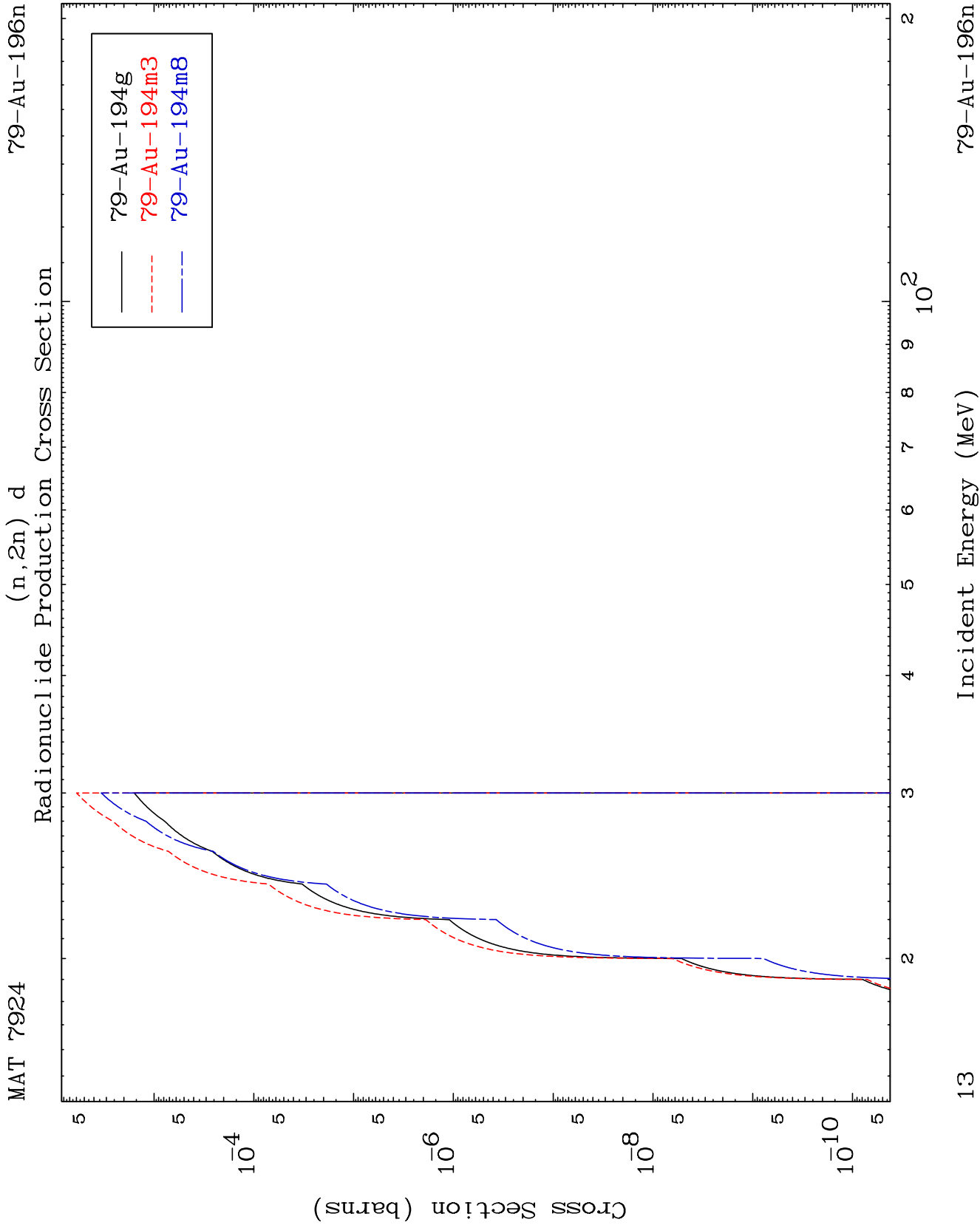
Incident Energy (MeV)

10

(d,α) Levels
0 Kelvin Cross Sections



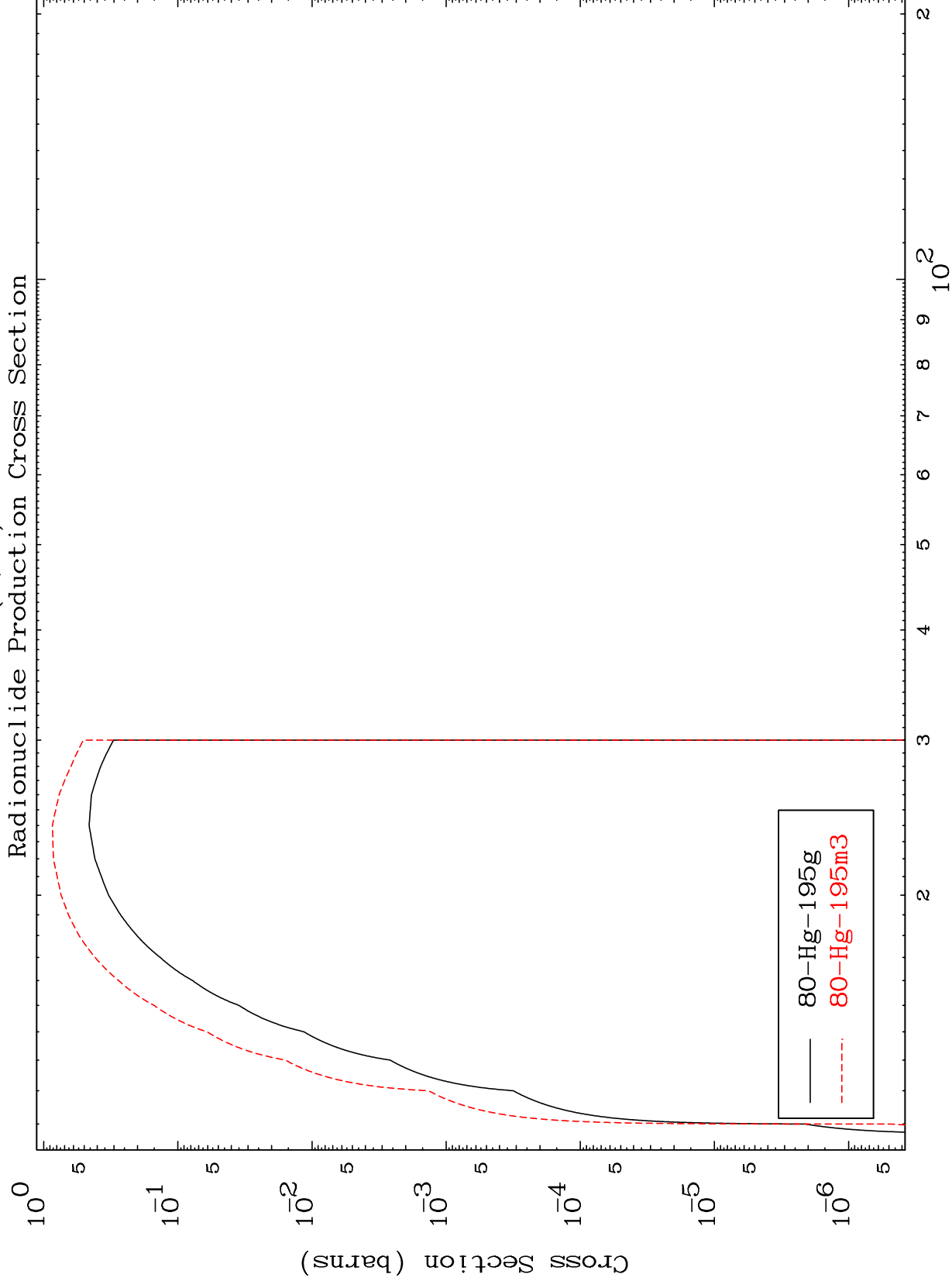




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$$(n, 3n)$$
 $^{79}\text{-Au-}^{196}\text{n}$

Radionuclide Production Cross Section

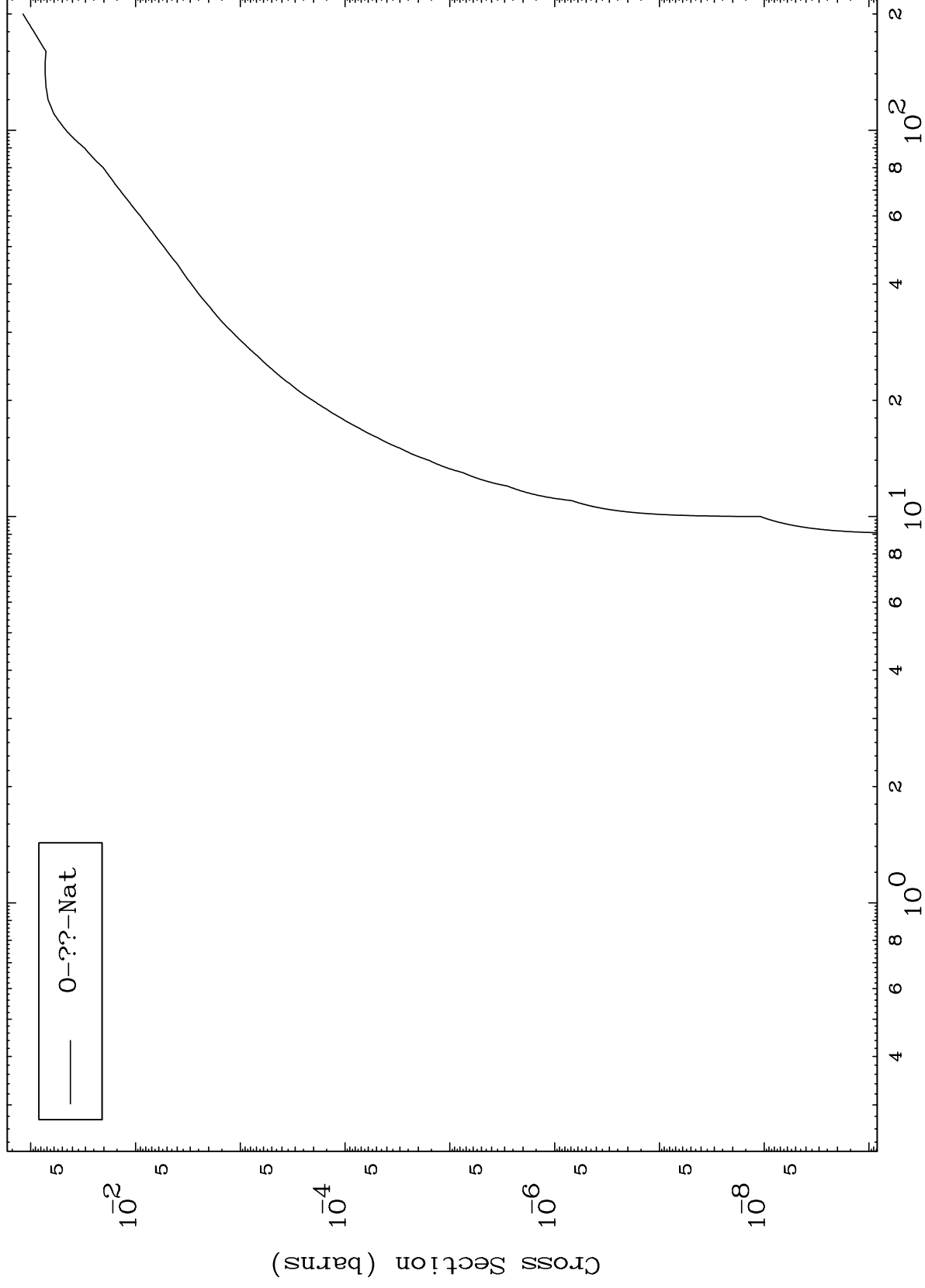


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Fission

⁷⁹Au-196n

Radionuclide Production Cross Section



15

Incident Energy (MeV)

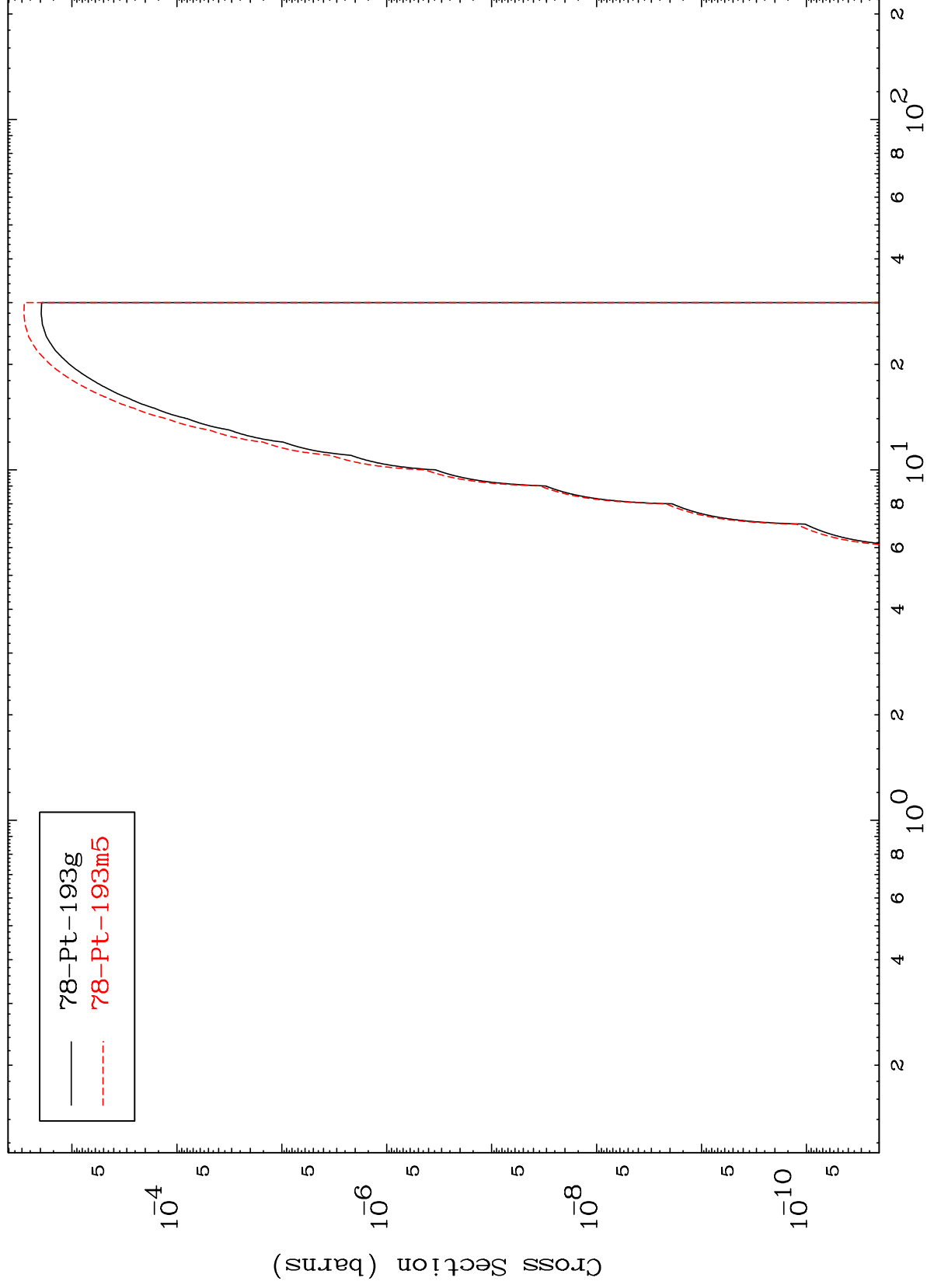
⁷⁹Au-196n

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

$(n,n') \alpha$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

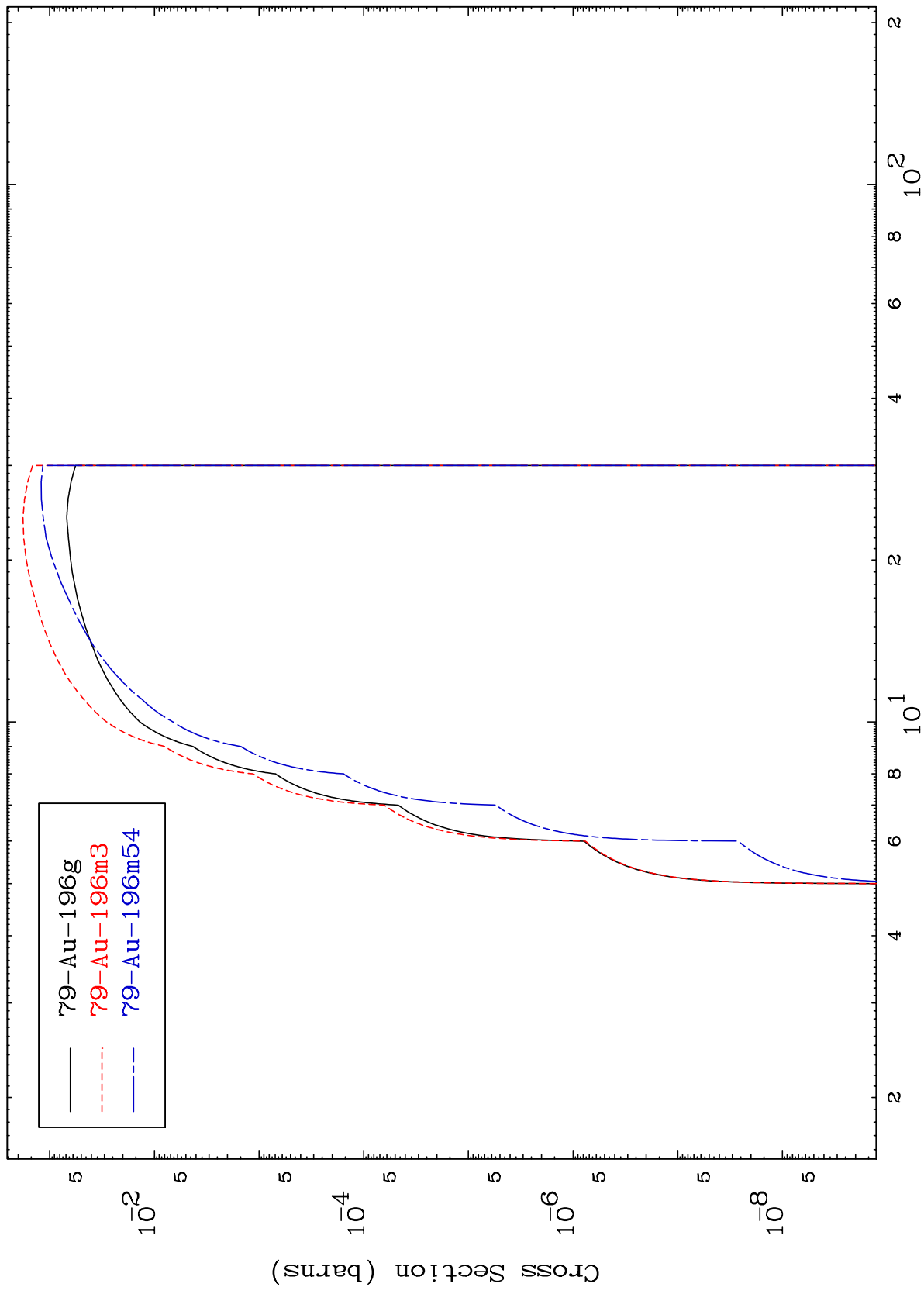
$^{79}\text{Au-196n}$

MAT 7924

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

Radionuclide Production Cross Section

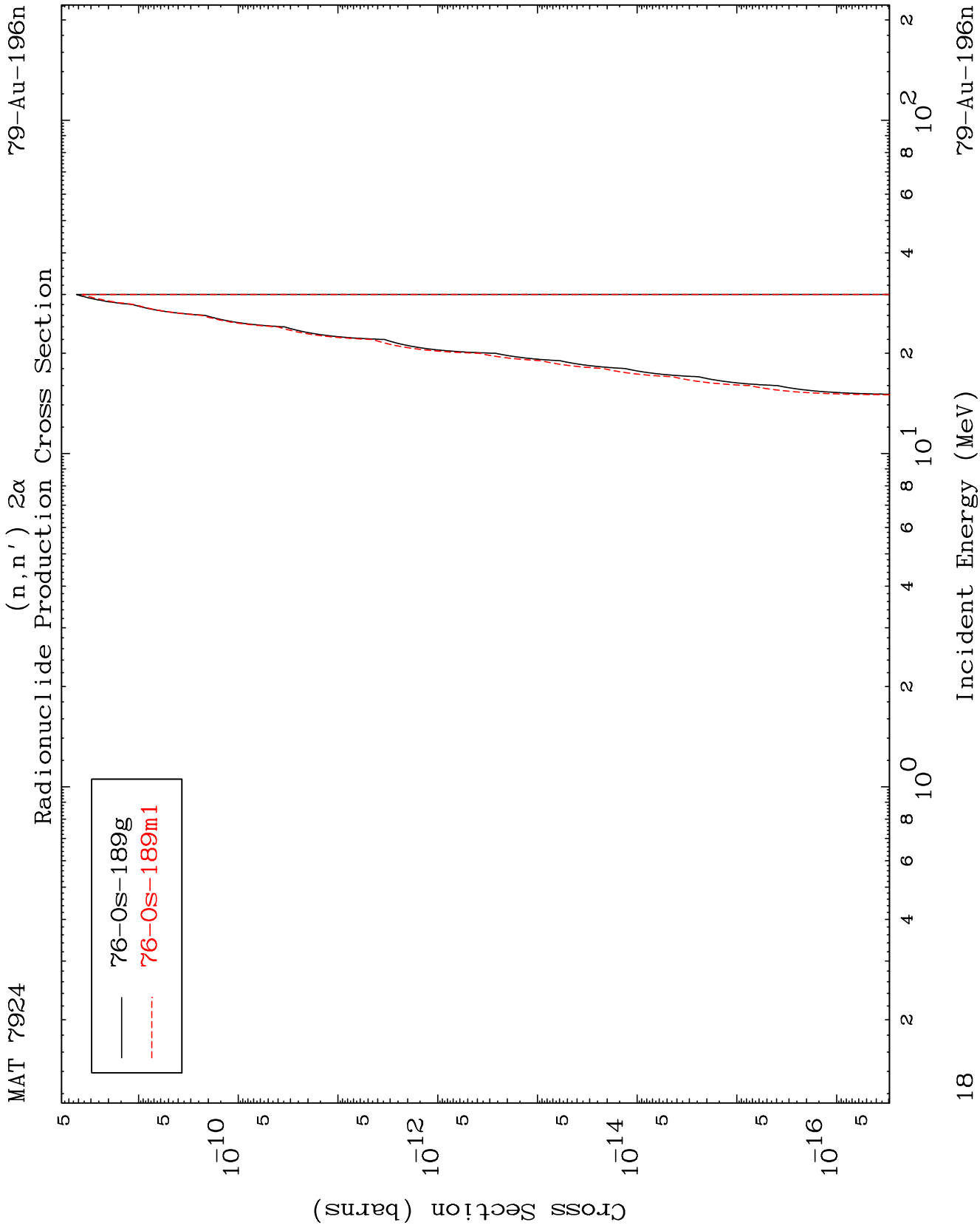
$(n,n')\text{ p}$

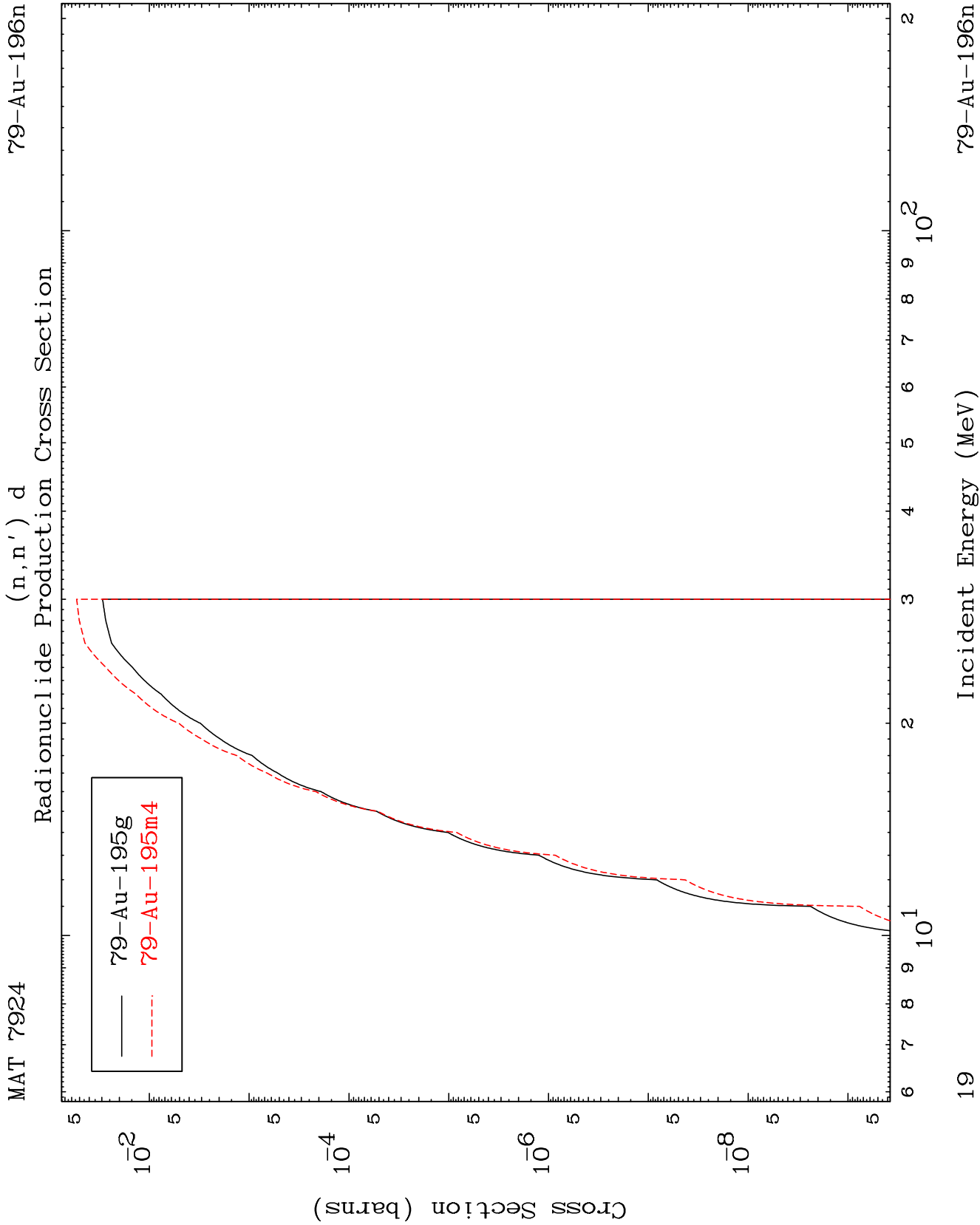


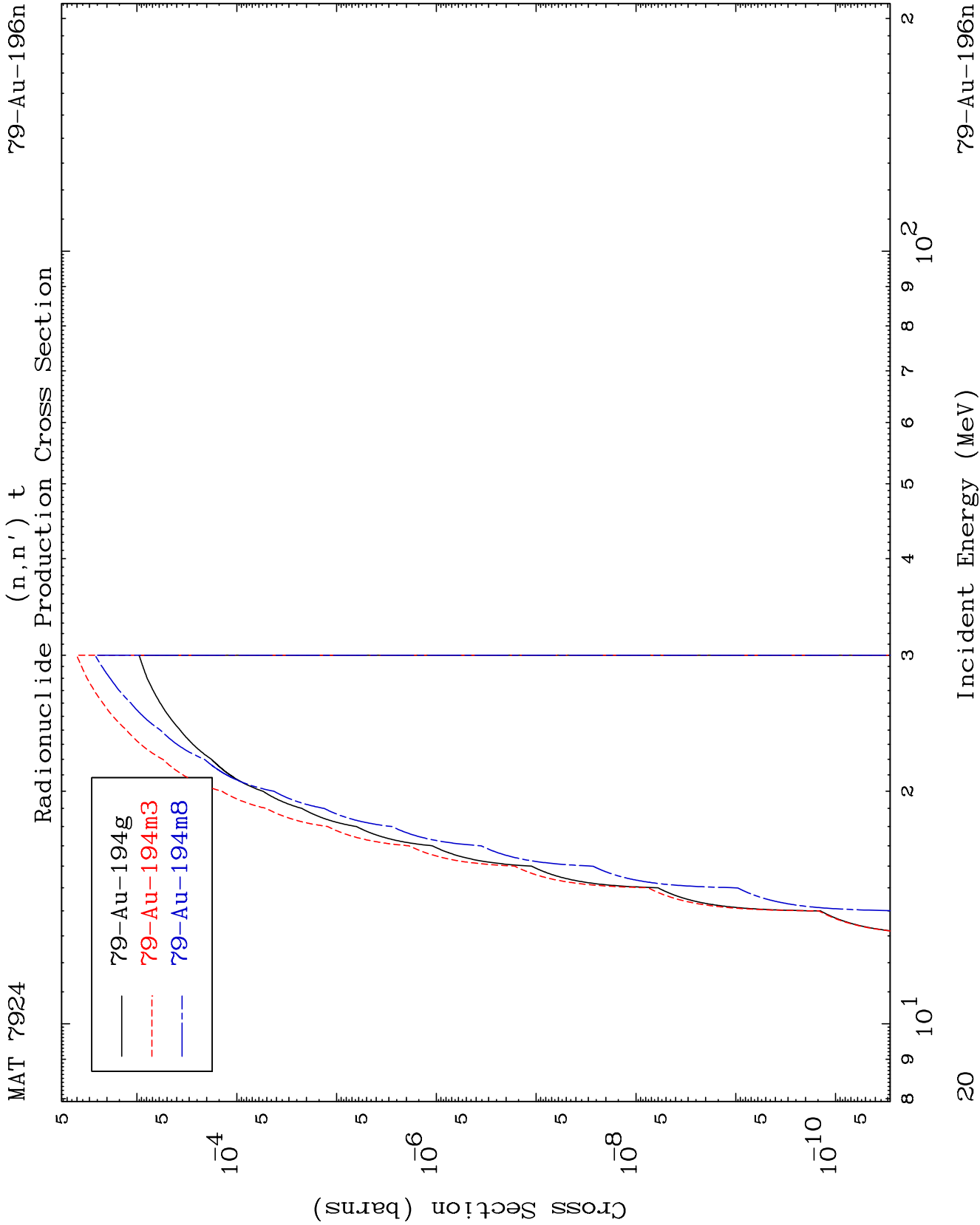
17

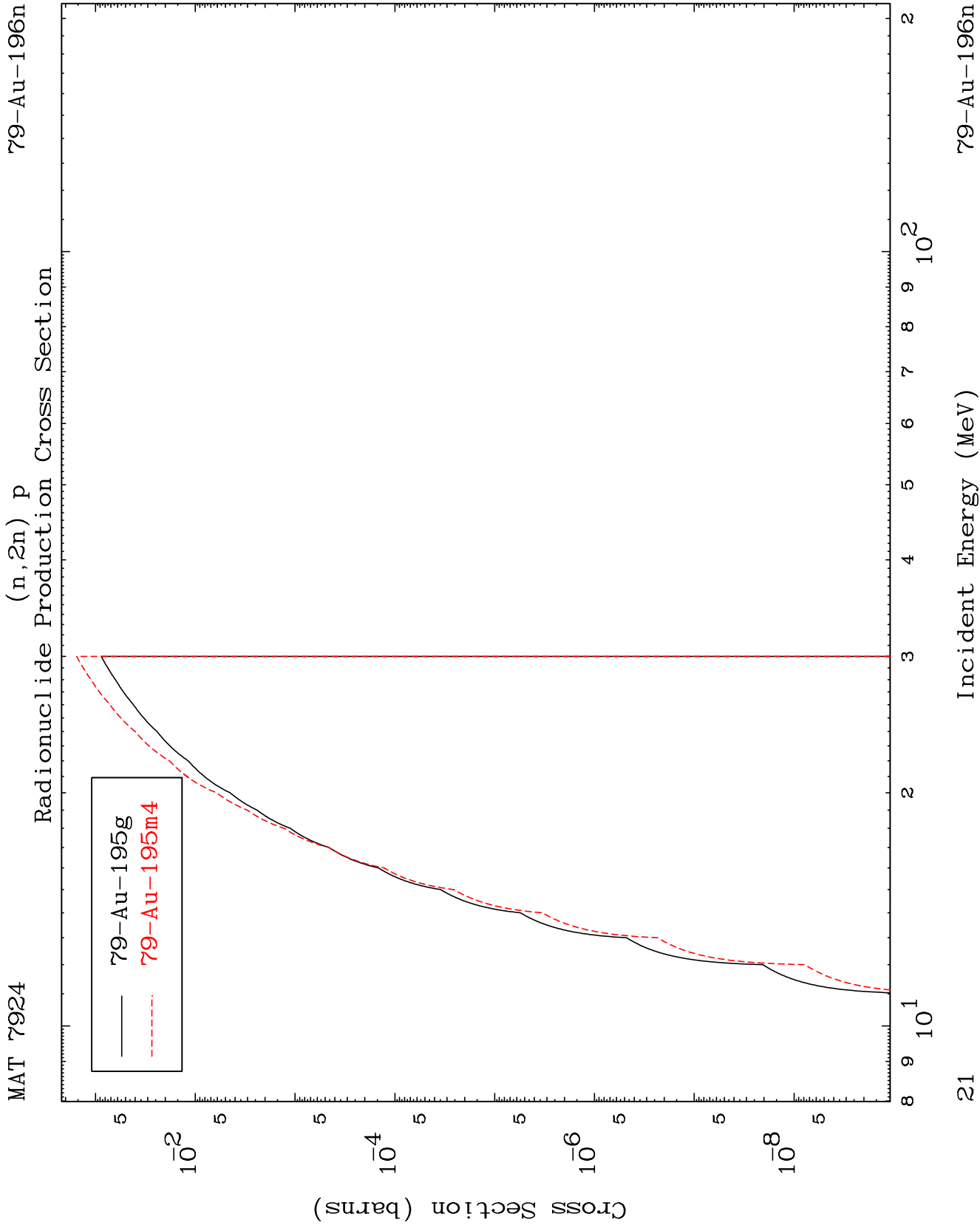
Incident Energy (MeV)

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





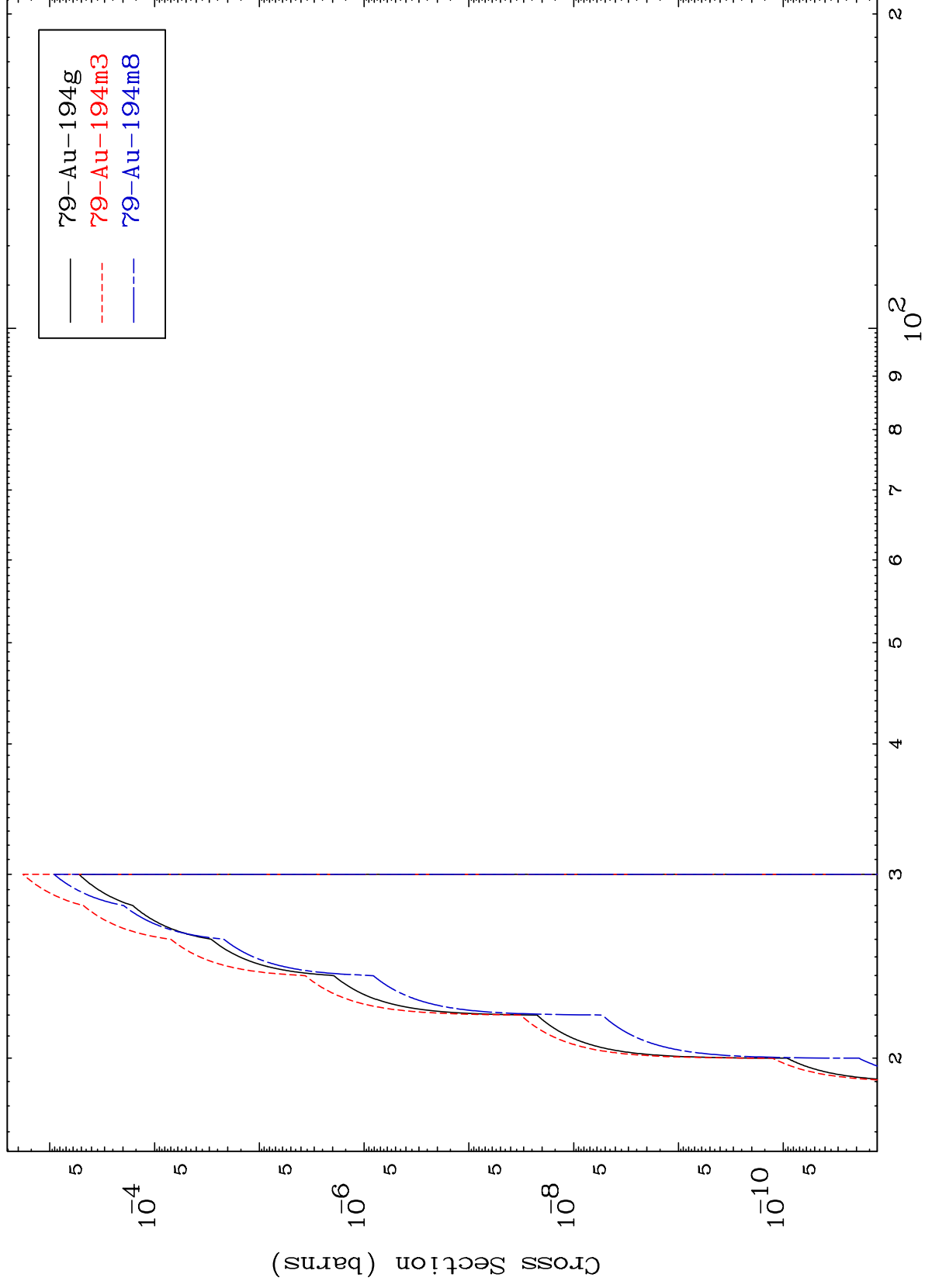




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$(n,3n)$ p $^{79}\text{Au}-^{196}\text{n}$

Radionuclide Production Cross Section



22

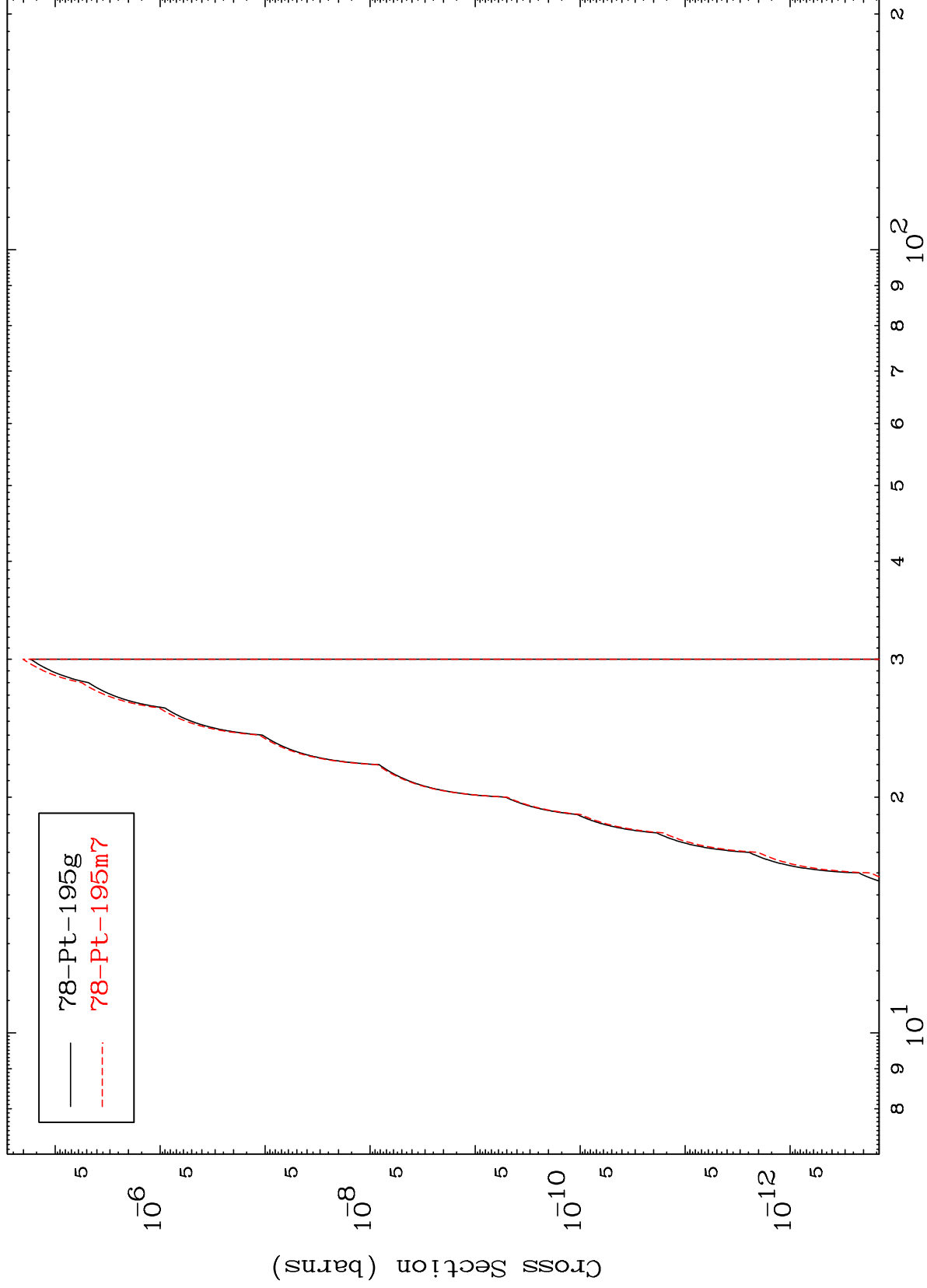
Incident Energy (MeV)

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

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

Radionuclide Production Cross Section



23

Incident Energy (MeV)

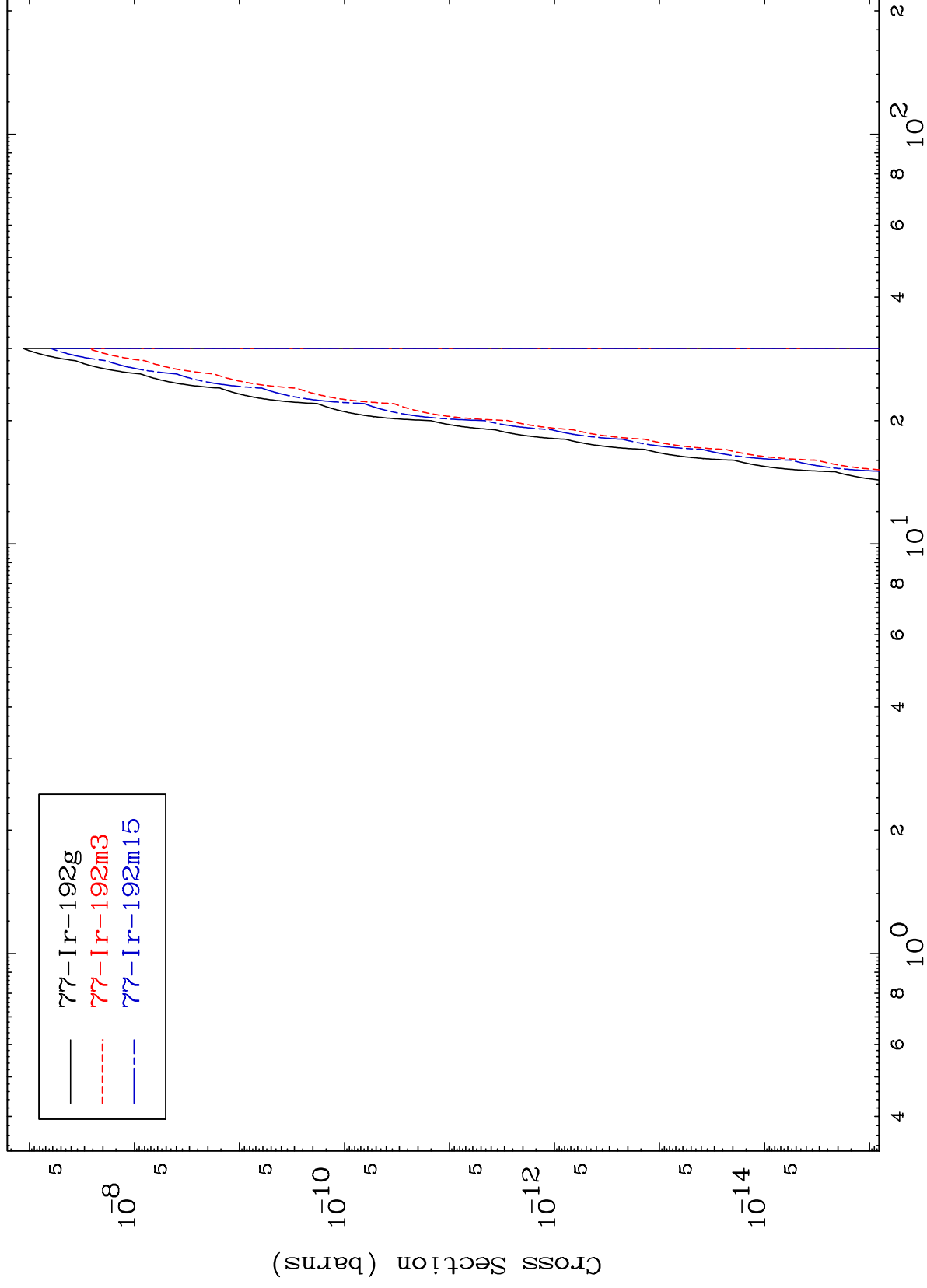
$^{79}\text{Au}-196\text{n}$

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(n,n') p α

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

Radionuclide Production Cross Section



24

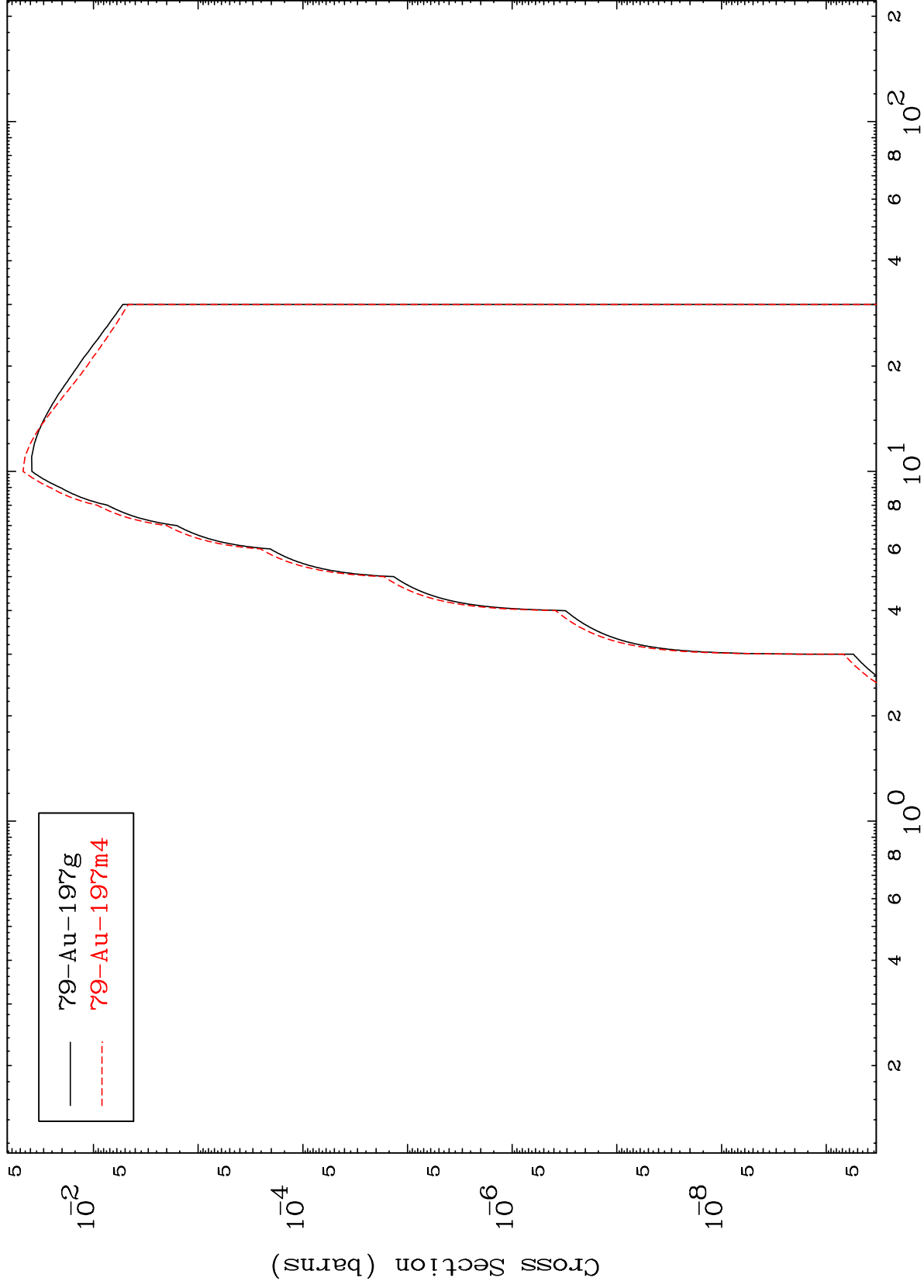
Incident Energy (MeV)

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

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⁷⁹Au-196n

Radionuclide Production Cross Section

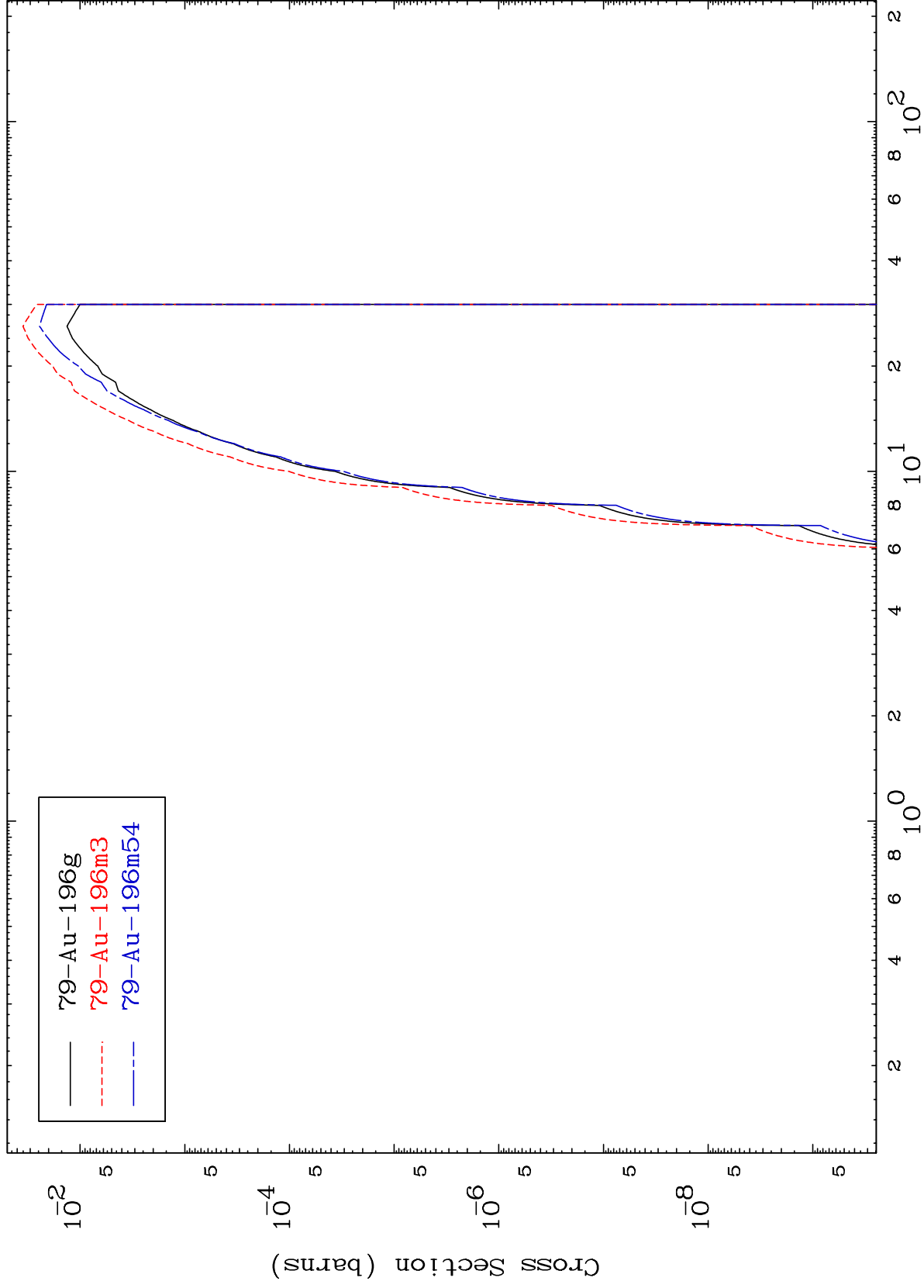


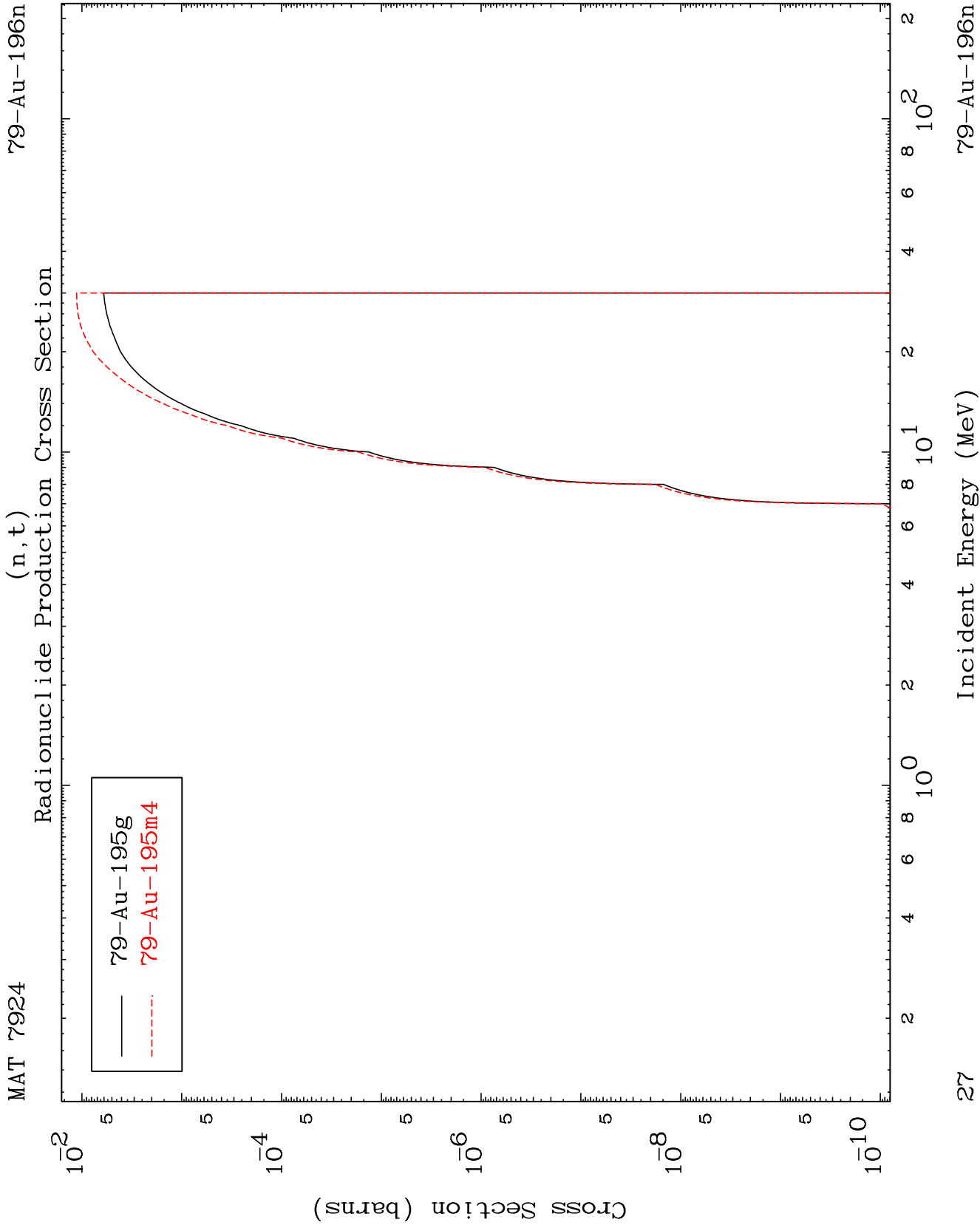
25

Incident Energy (MeV)

⁷⁹Au-196n

(n,d)
Radionuclide Production Cross Section



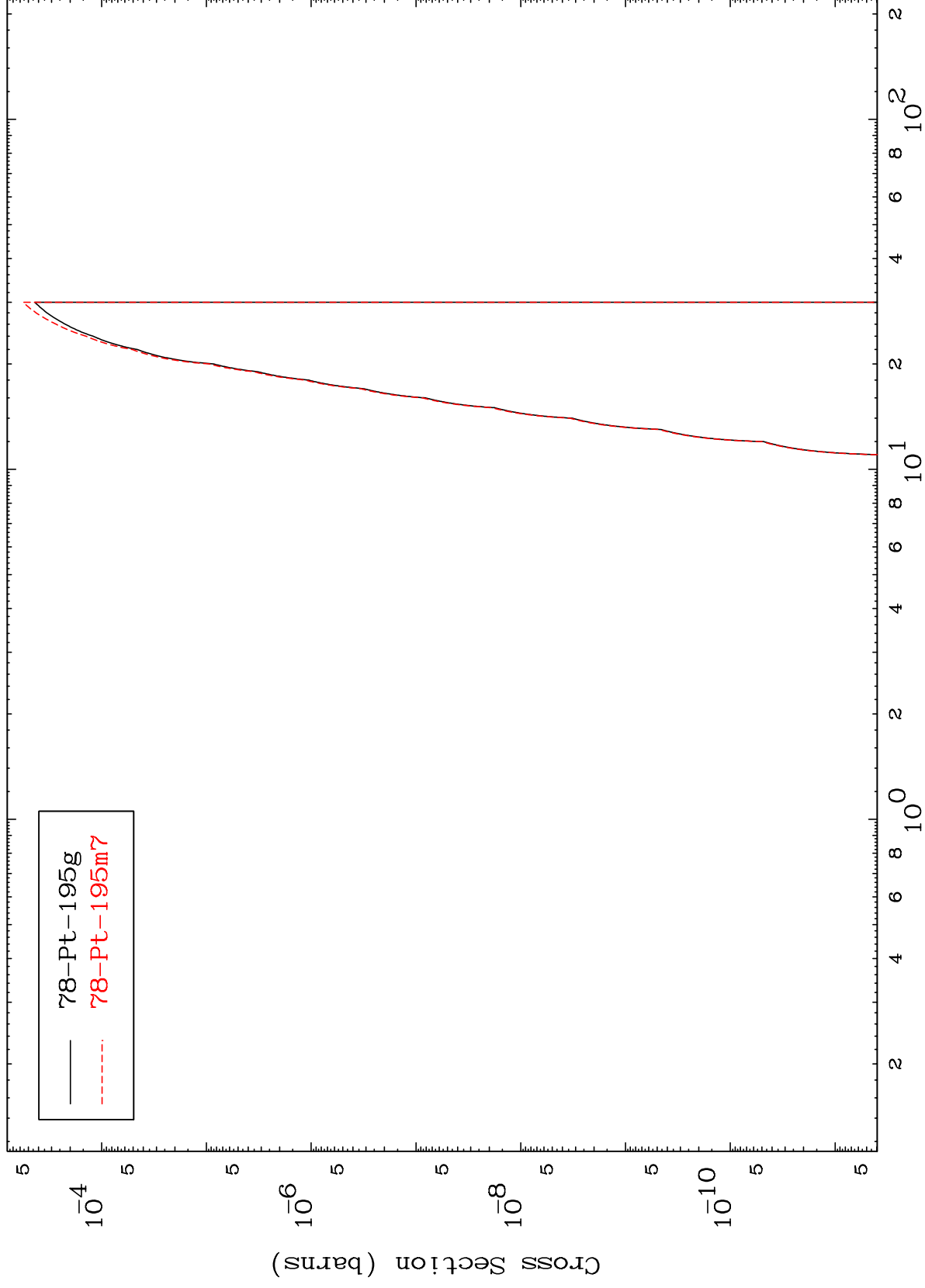


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(n,He-3)

⁷⁹Au-¹⁹⁶n

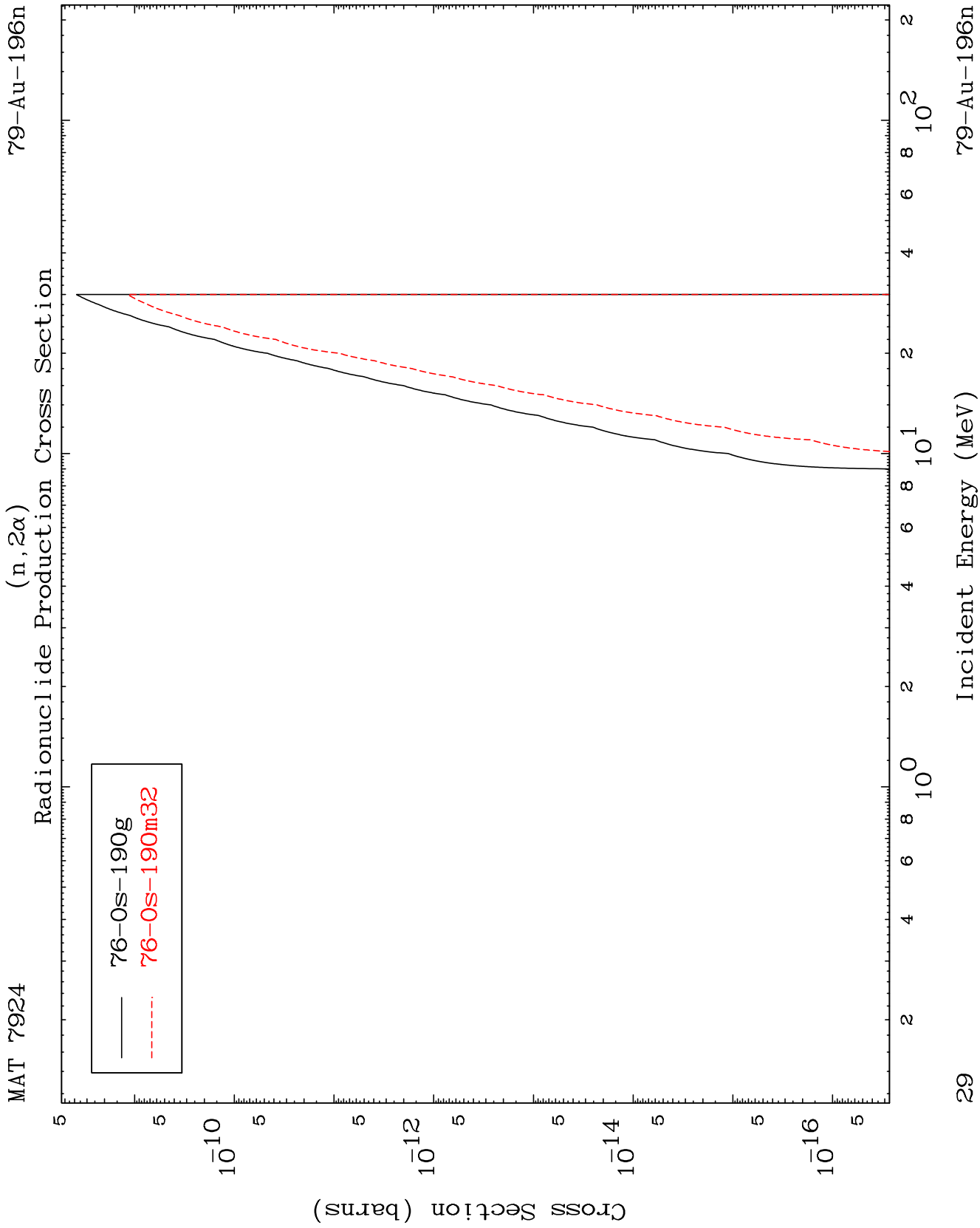
Radionuclide Production Cross Section



28

Incident Energy (MeV)

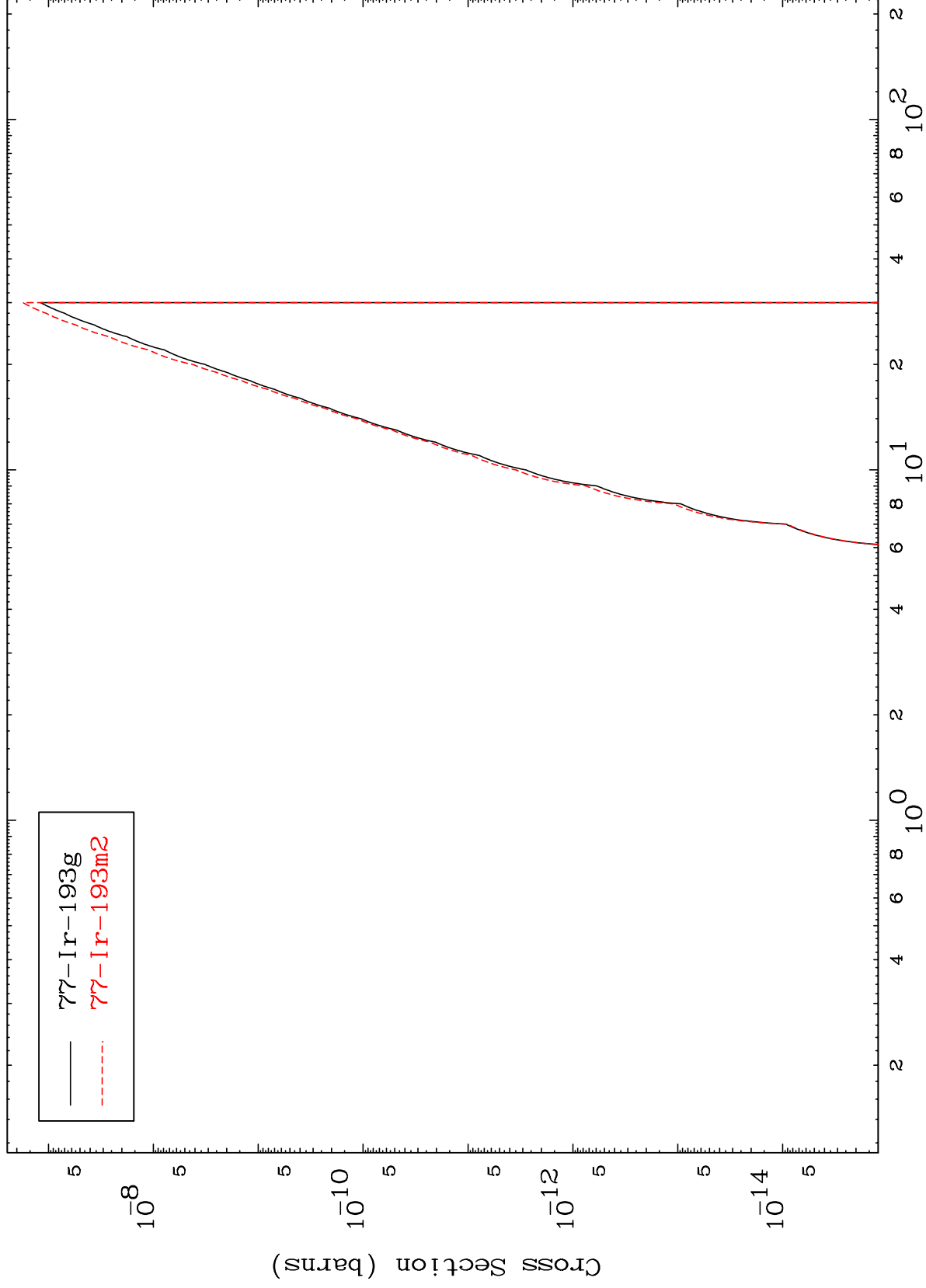
⁷⁹Au-¹⁹⁶n



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

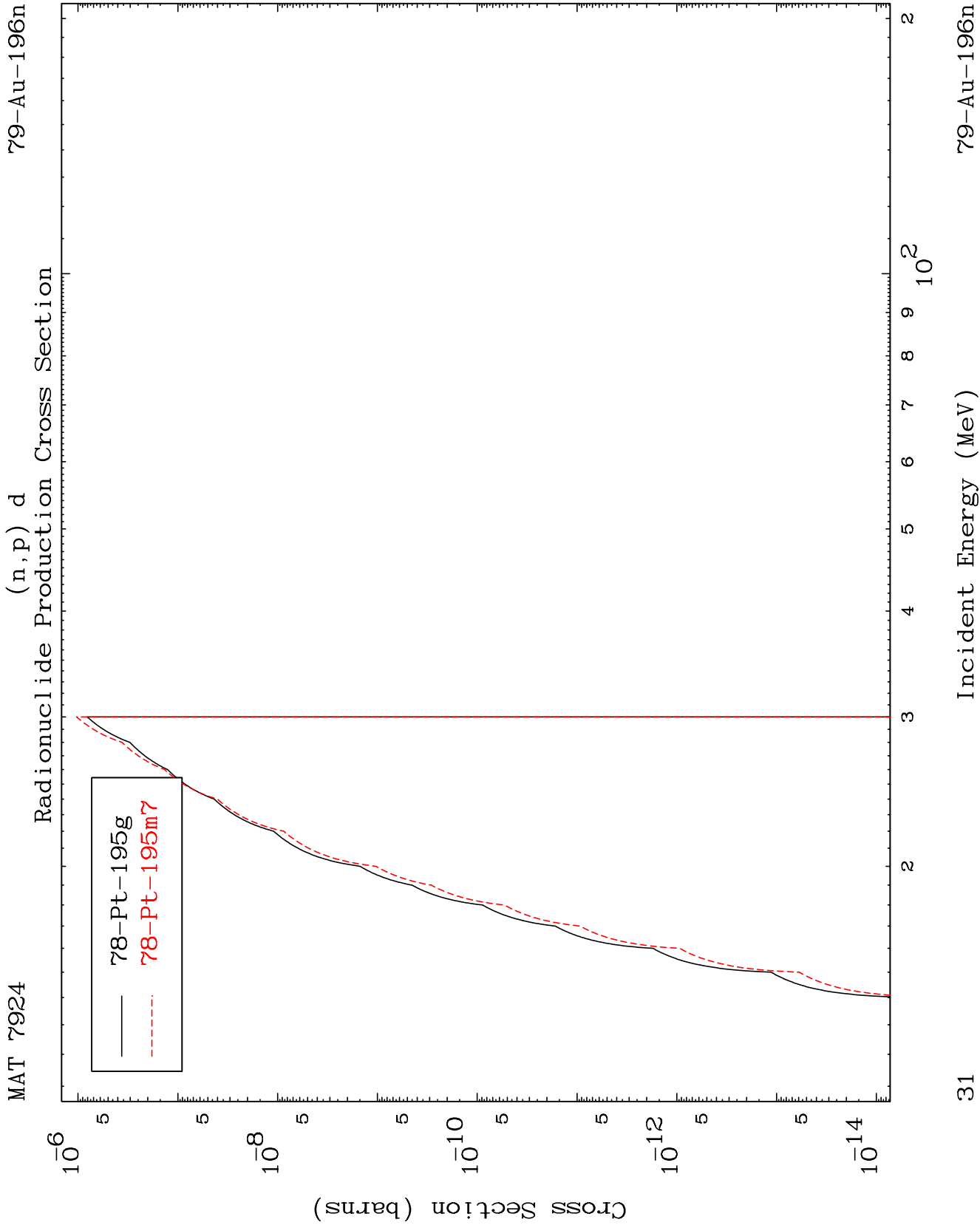
$(n,p) \alpha$
Radionuclide Production Cross Section



30

Incident Energy (MeV)

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



Radionuclide Production Cross Section
(n,d) α

