

Program EVALPLOT
(Version 2021-1)

by

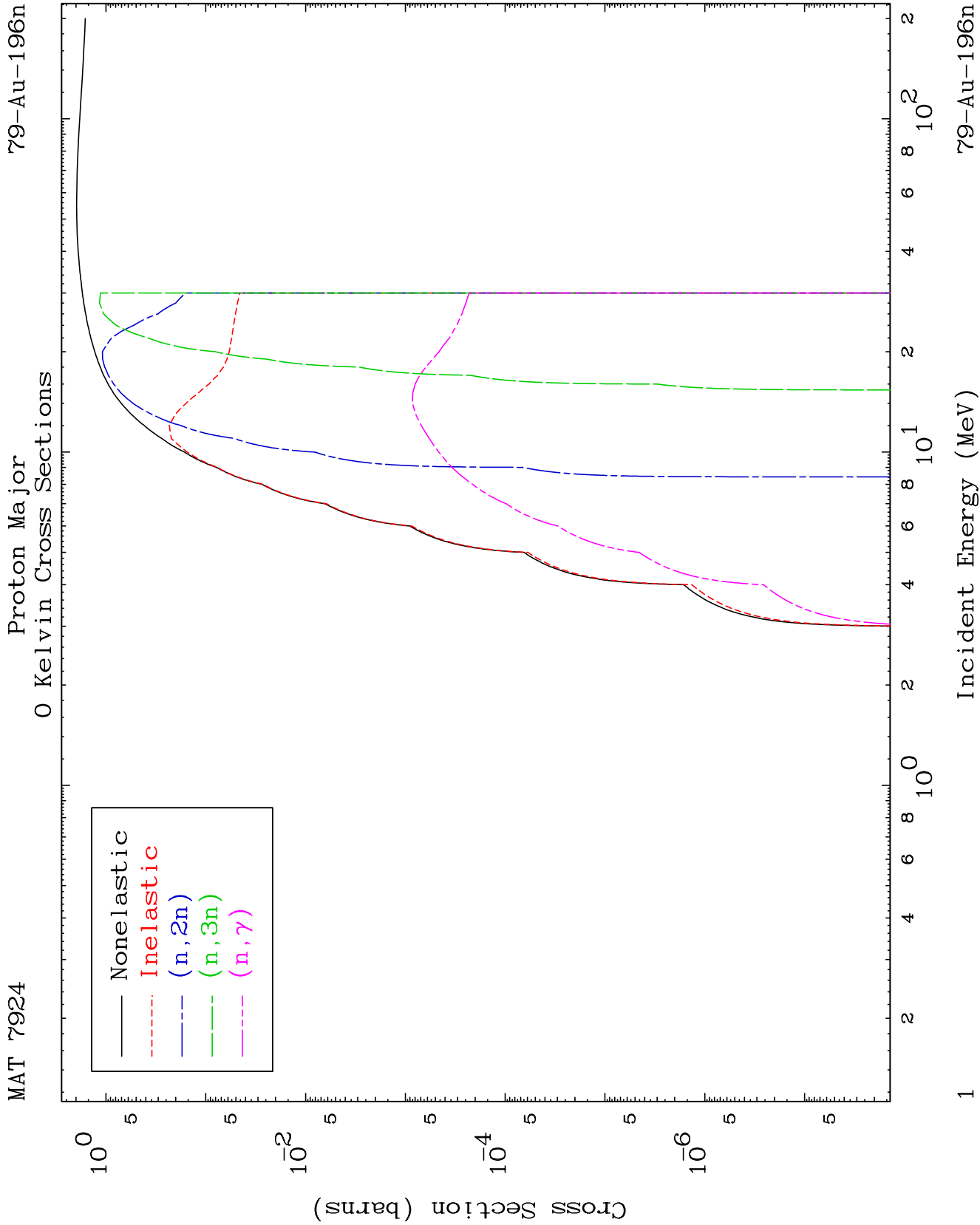
Dermott E. Cullen
(Present Contact Information)

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Livermore, CA 94550
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Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

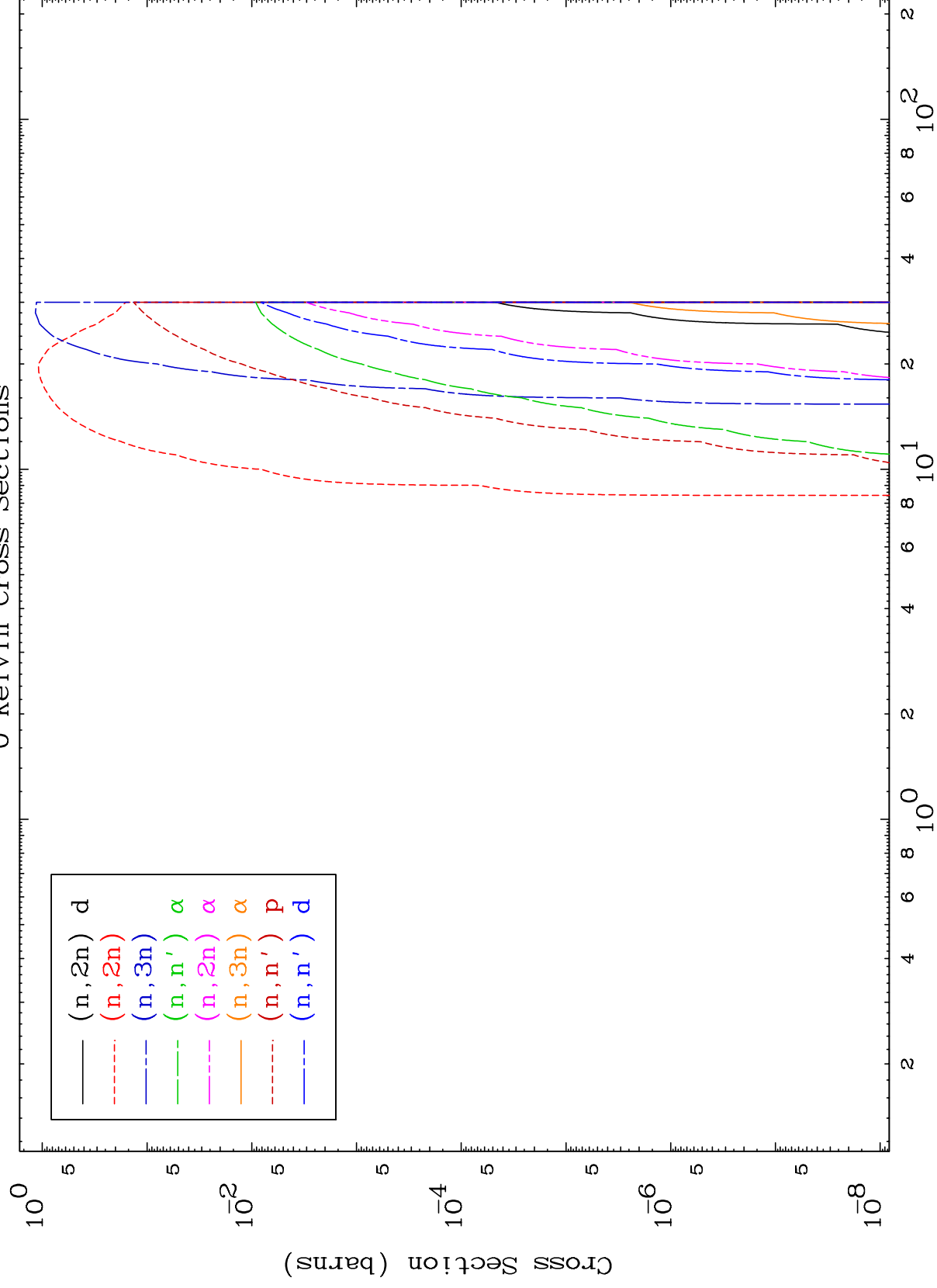
Press Mouse Button to Start



MAT 7924

Proton Neutron Absorption
0 Kelvin Cross Sections

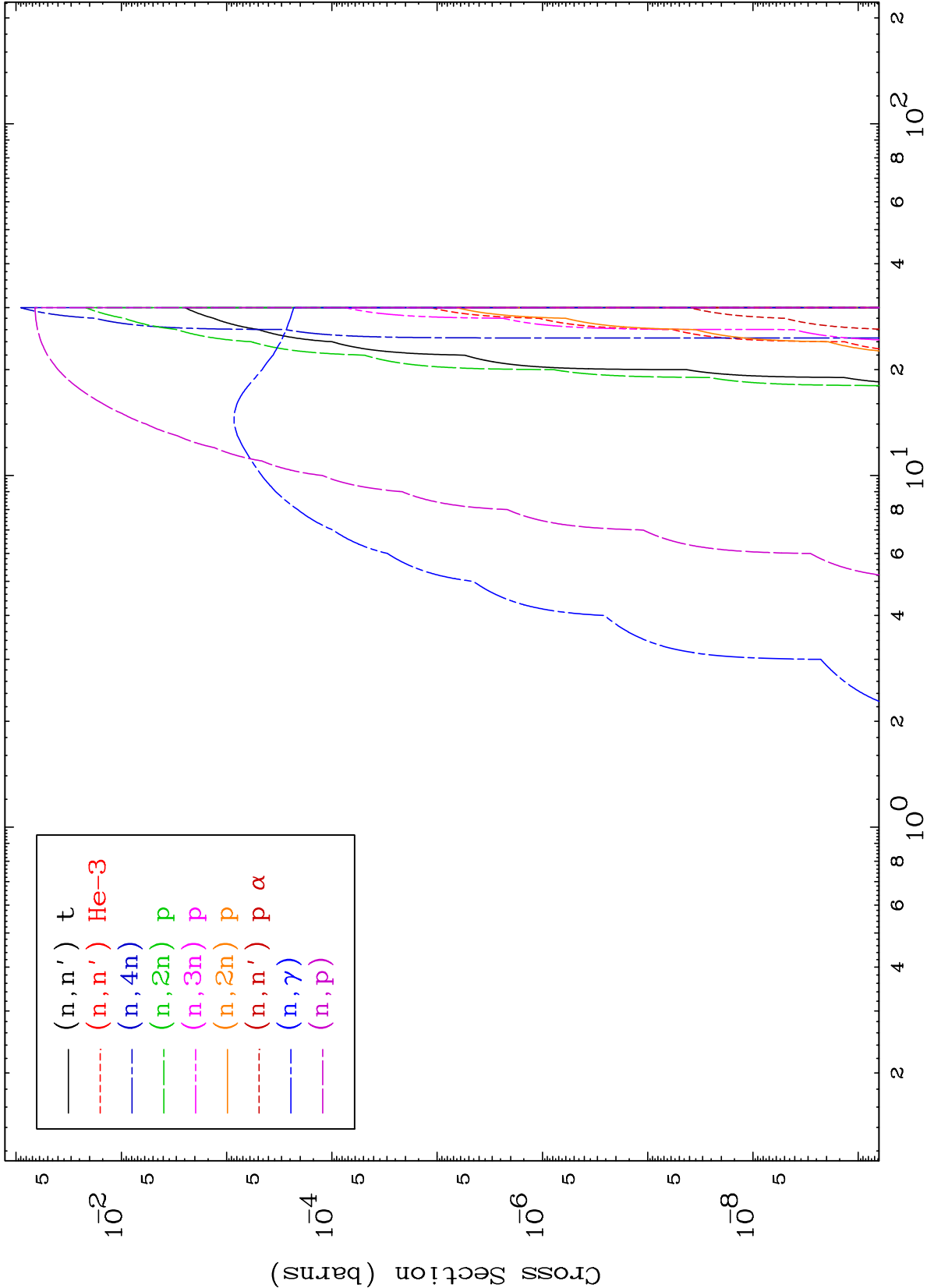
79-Au-196n

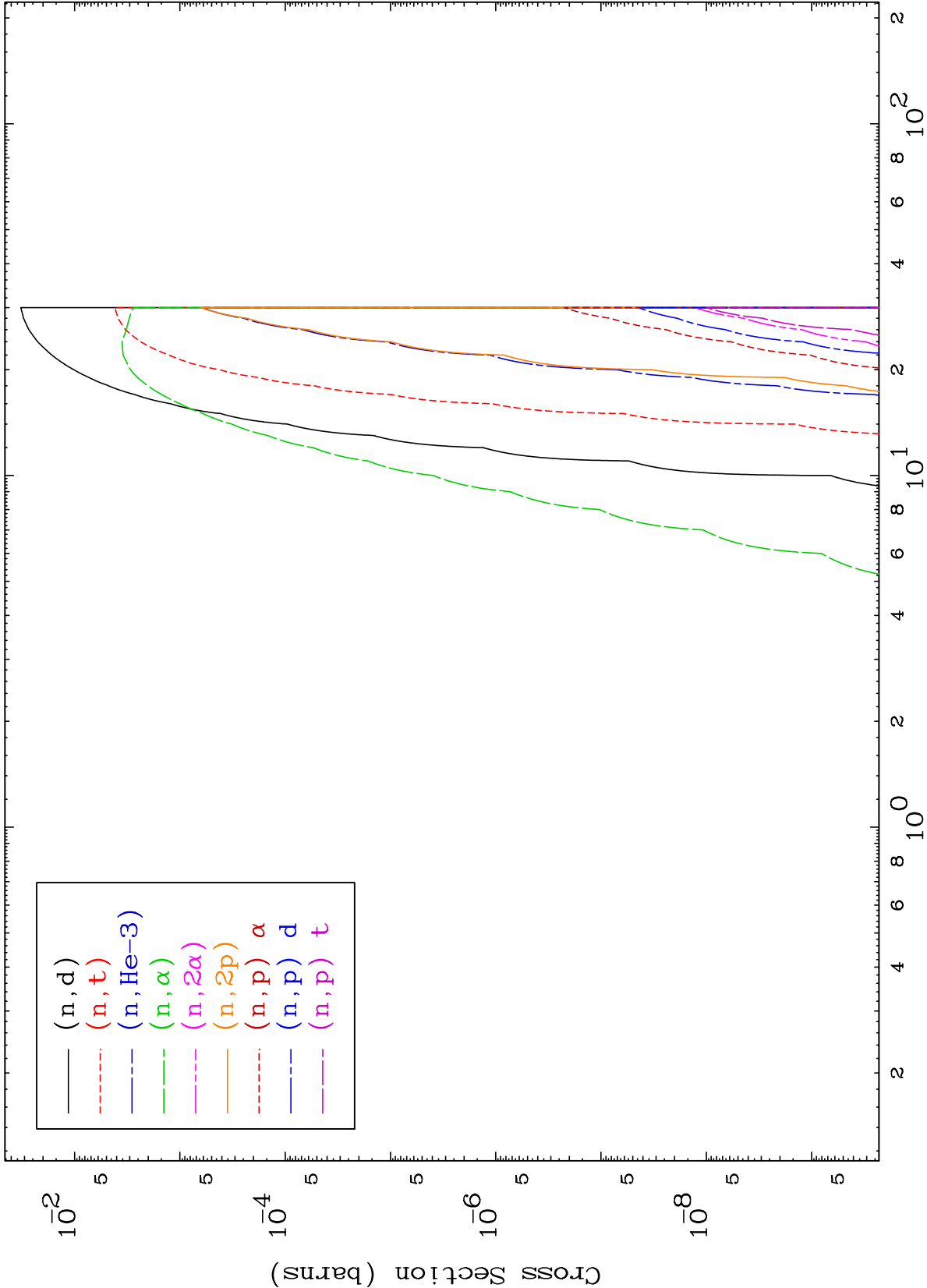


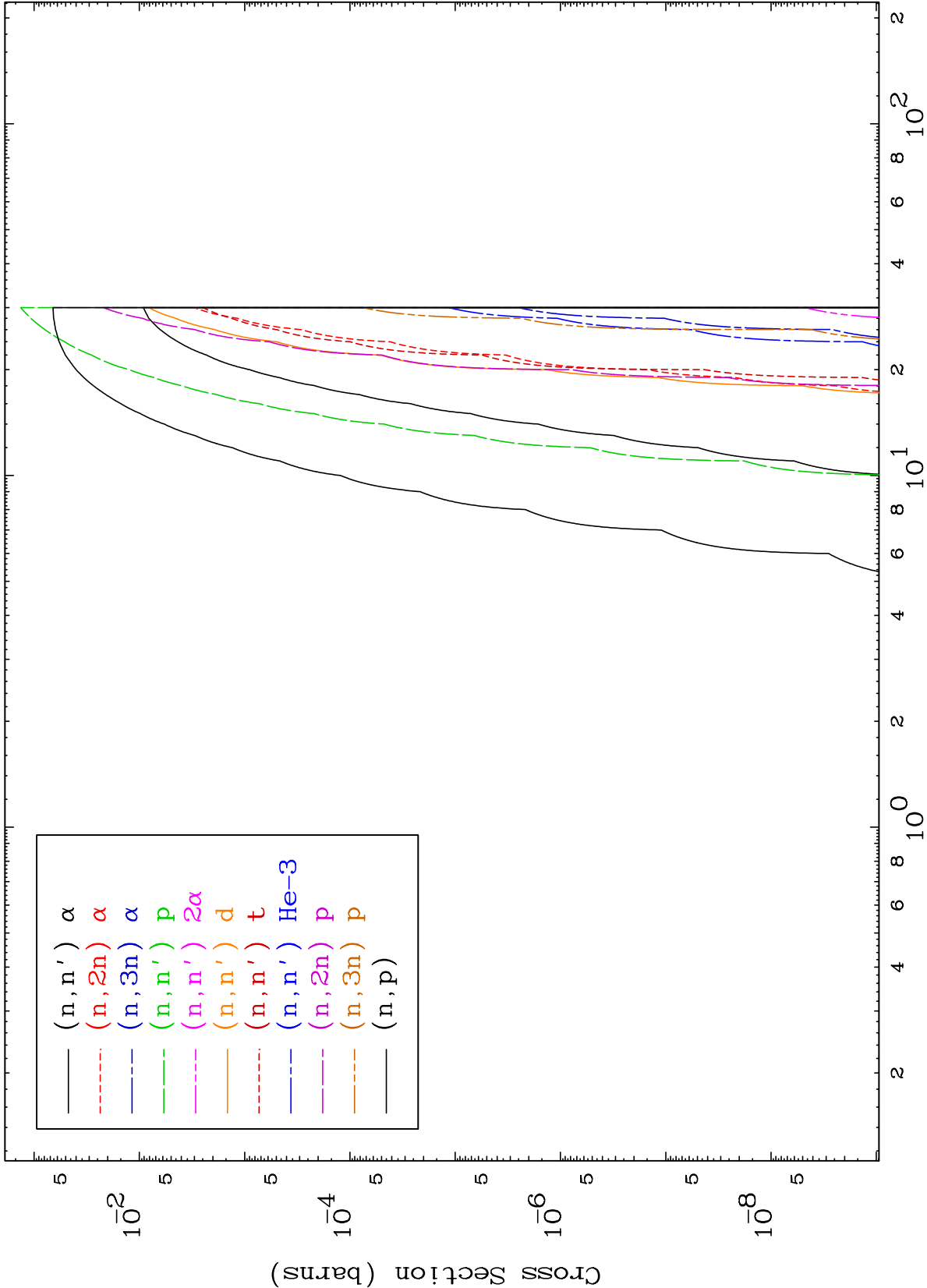
2

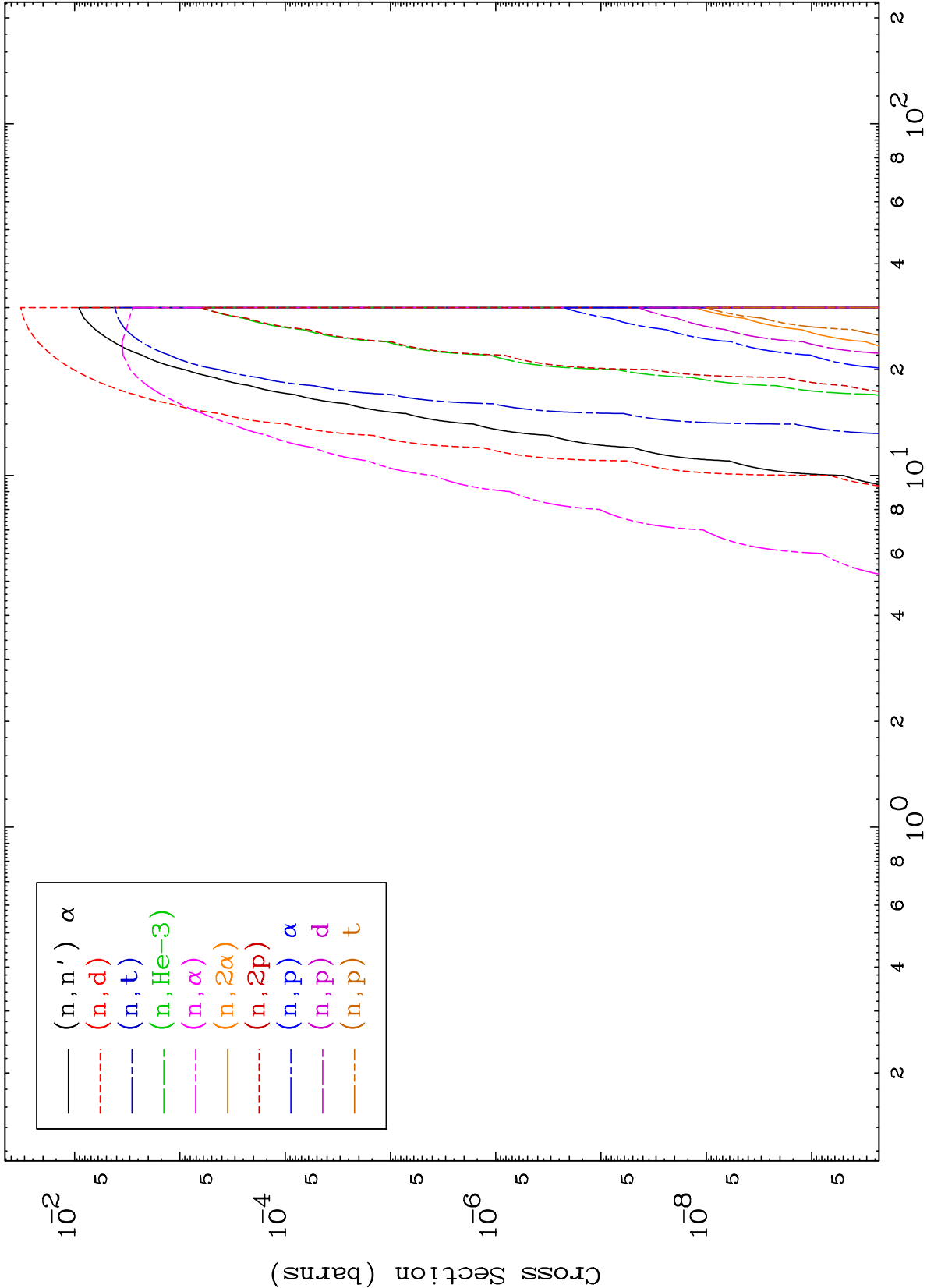
Incident Energy (MeV)

79-Au-196n





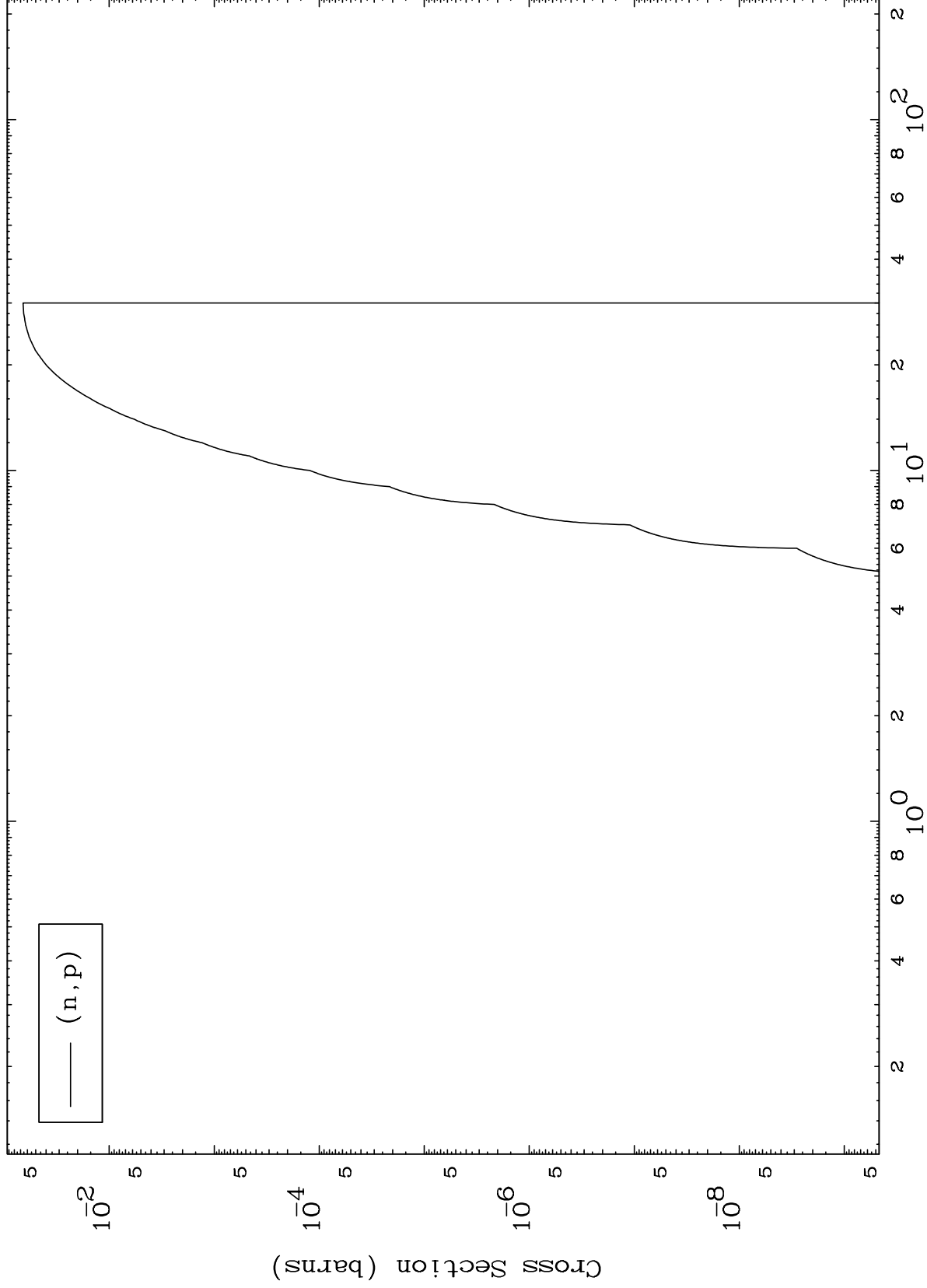




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79-Au-196n

(p,p) Levels
0 Kelvin Cross Sections



7

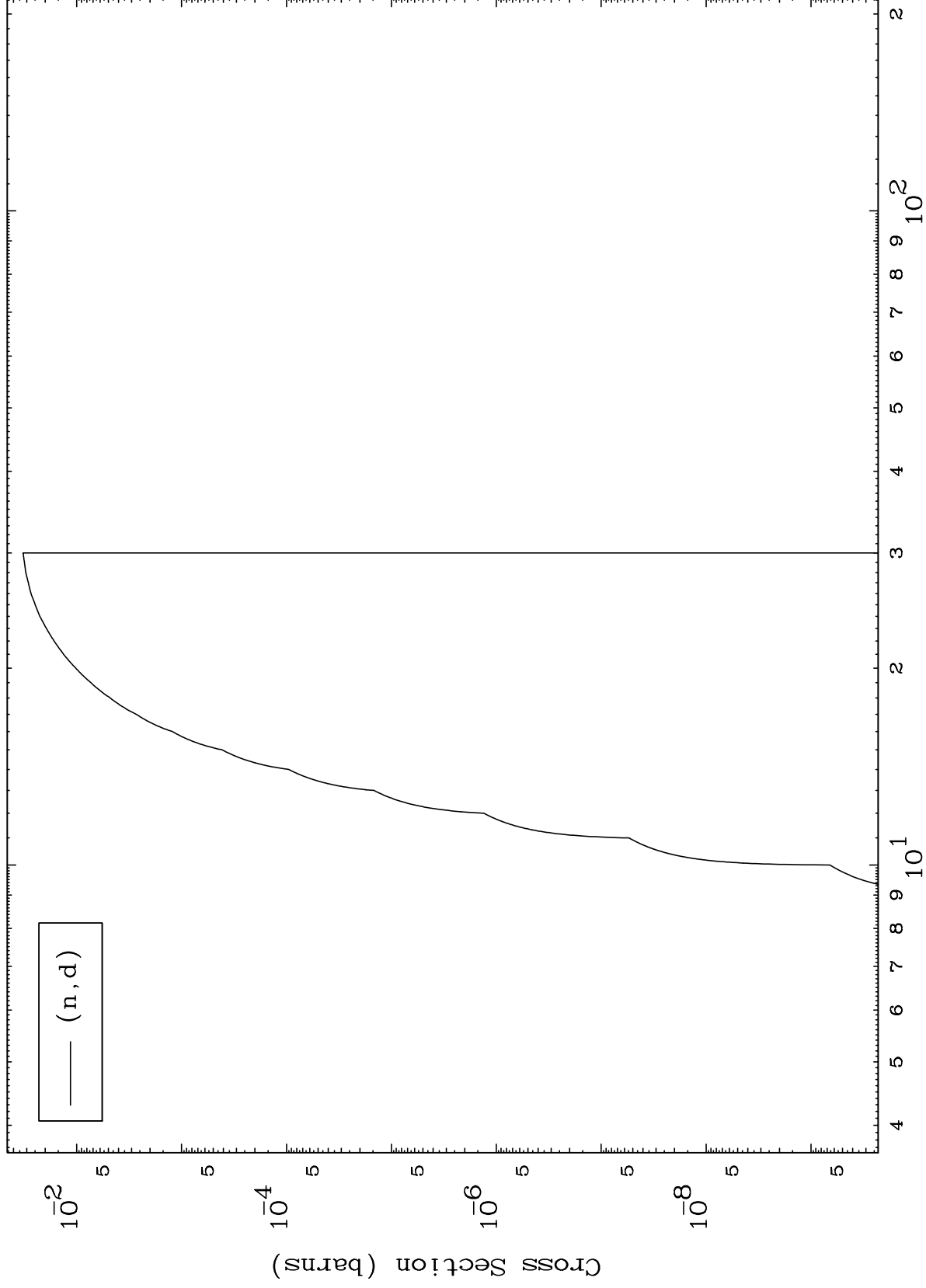
Incident Energy (MeV)

79-Au-196n

MAT 7924

⁷⁹Au-196n

(p,d) Levels
0 Kelvin Cross Sections



8

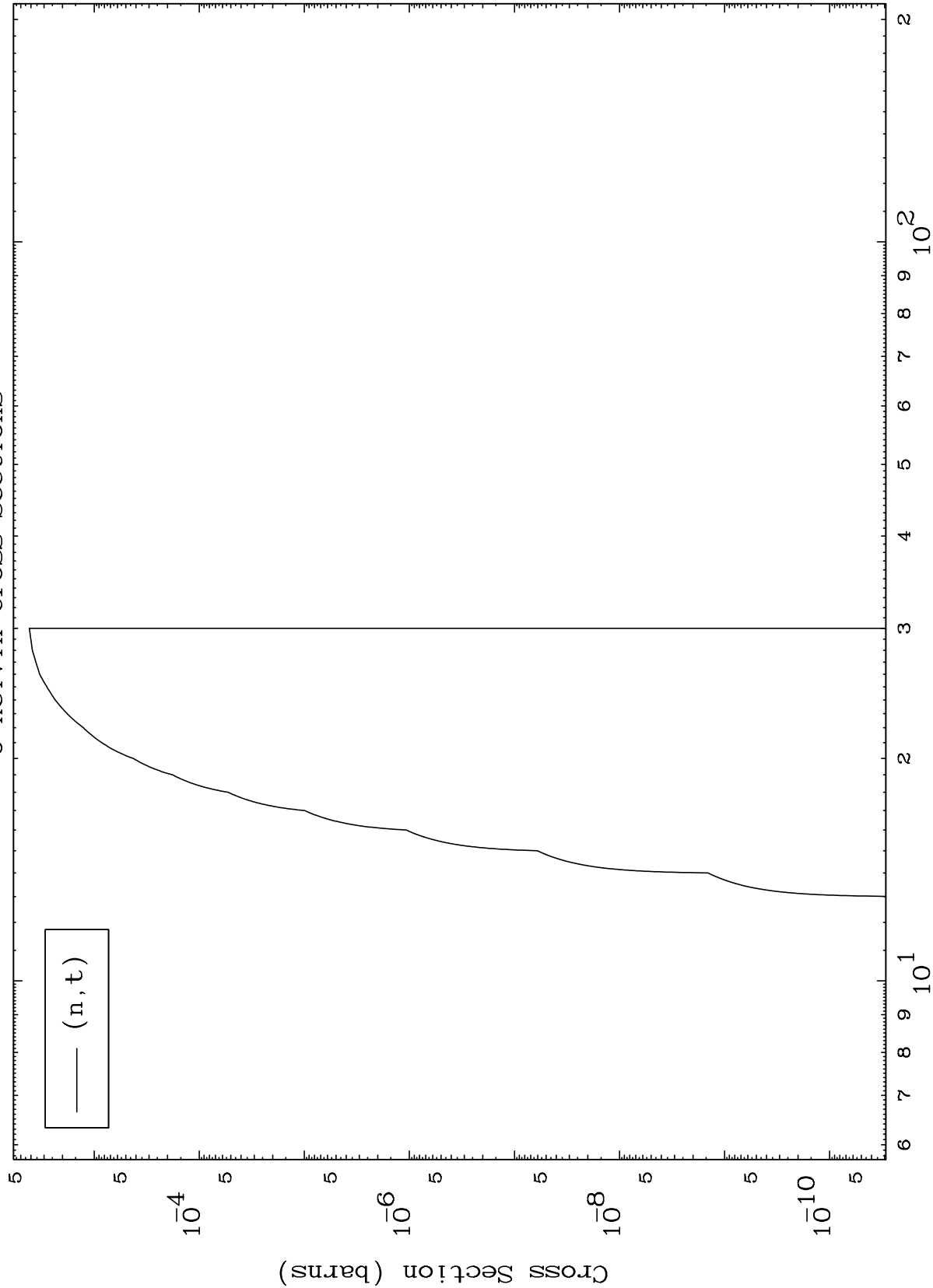
Incident Energy (MeV)

⁷⁹Au-196n

MAT 7924

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

(p,t) Levels
0 Kelvin Cross Sections



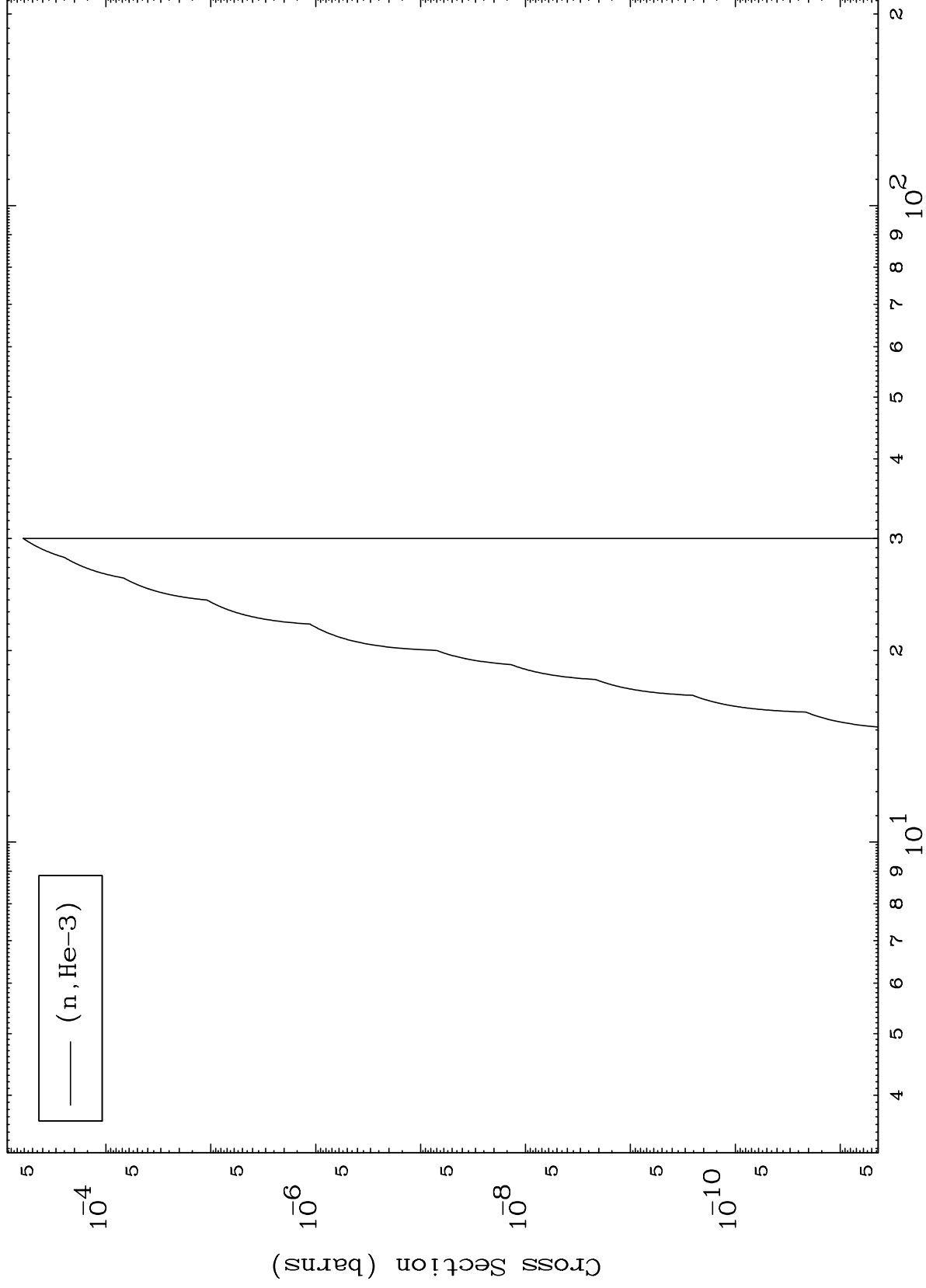
9

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

MAT 7924

⁷⁹Au-196n

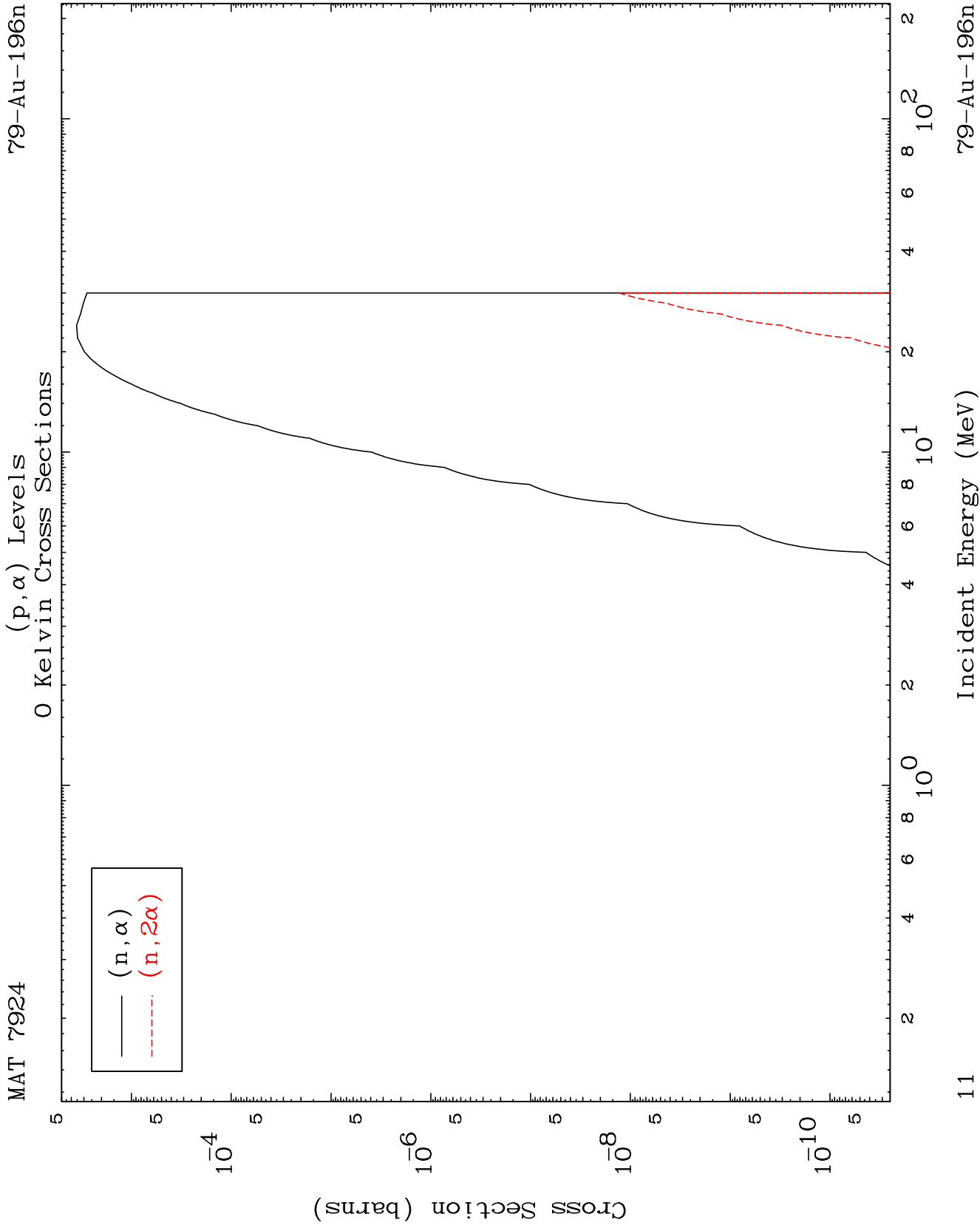
(p,He3) Levels
0 Kelvin Cross Sections



⁷⁹Au-196n

Incident Energy (MeV)

10

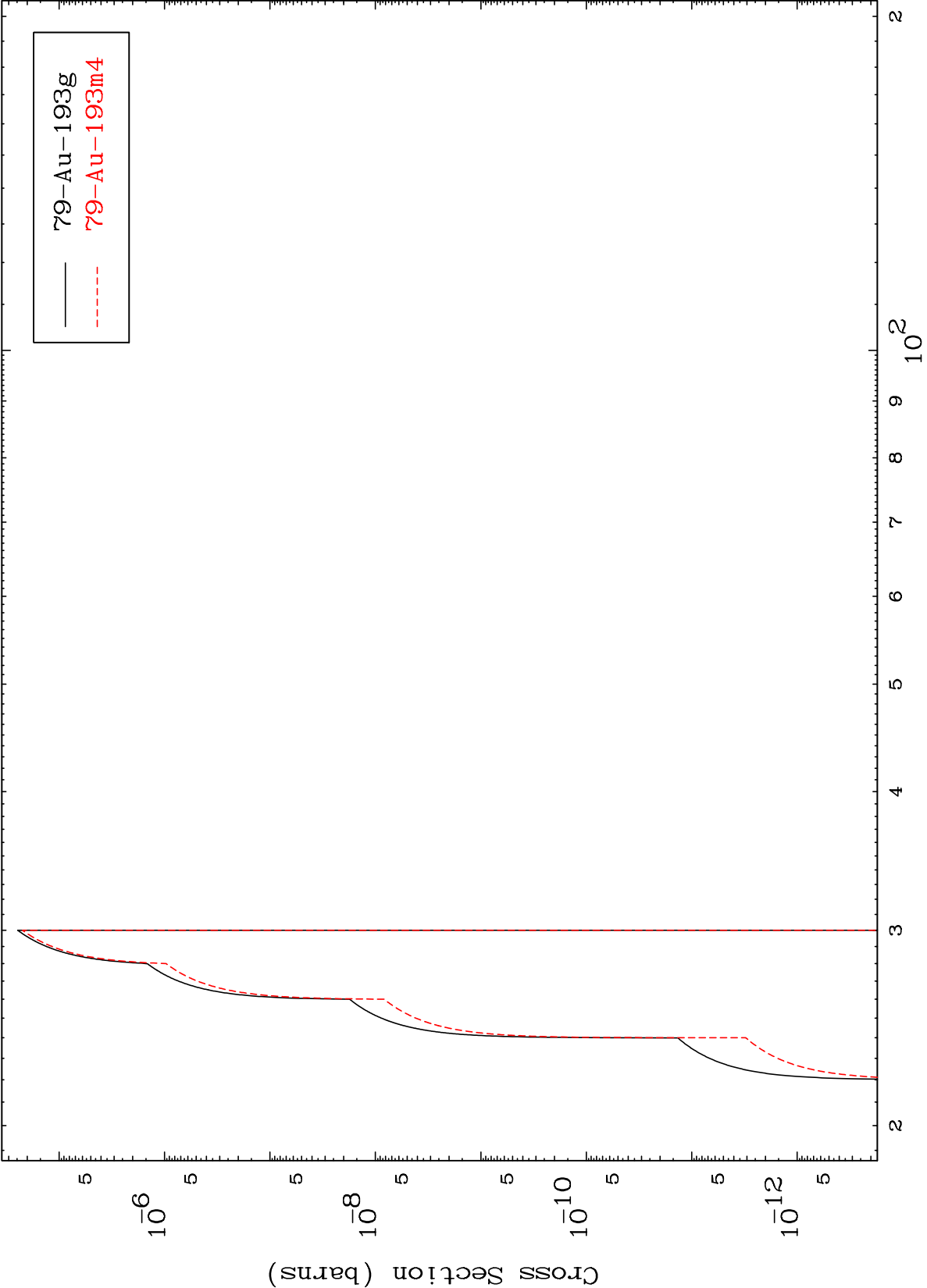


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(n,2n) d

⁷⁹Au-¹⁹⁶n

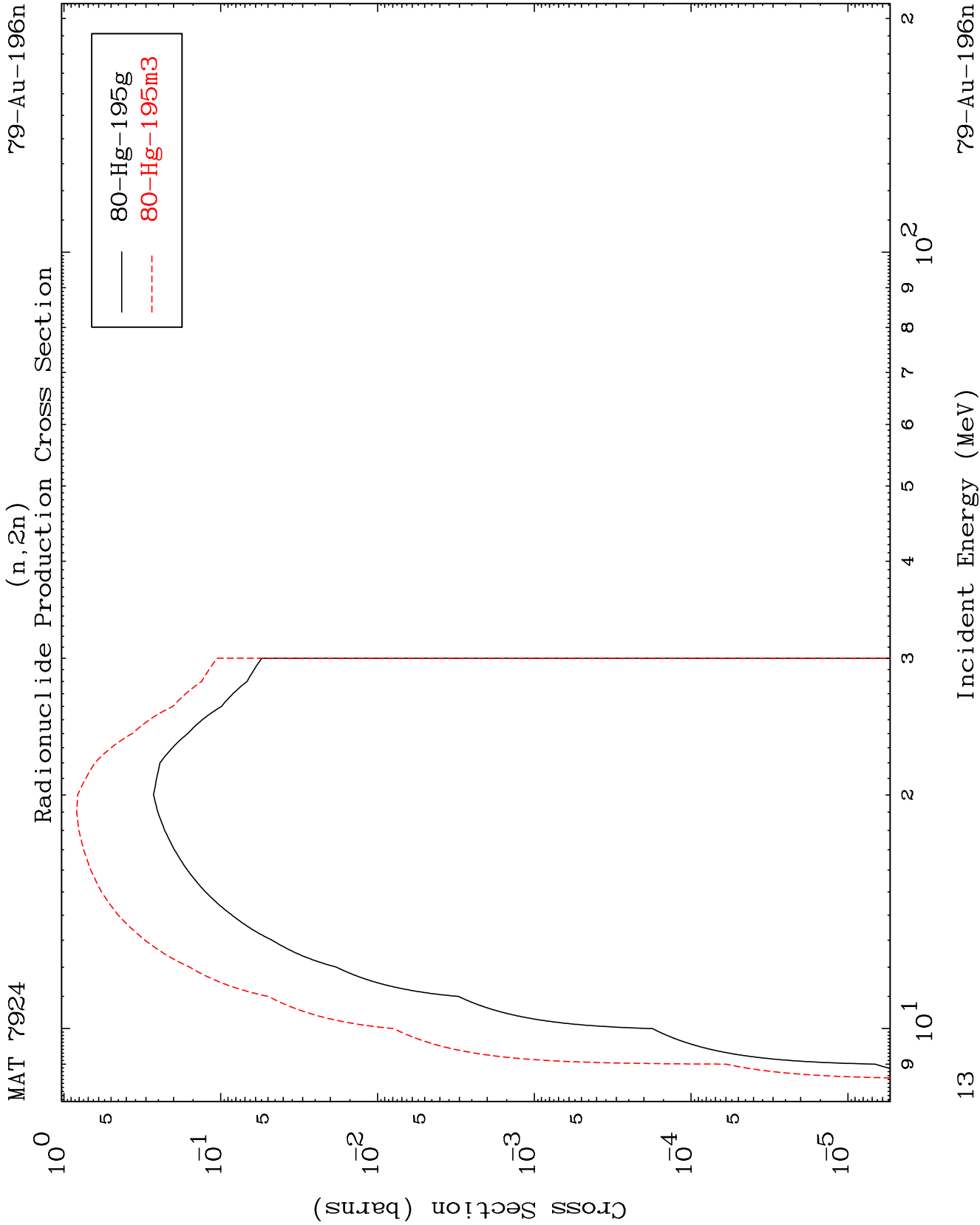
Radionuclide Production Cross Section



12

Incident Energy (MeV)

⁷⁹Au-¹⁹⁶n

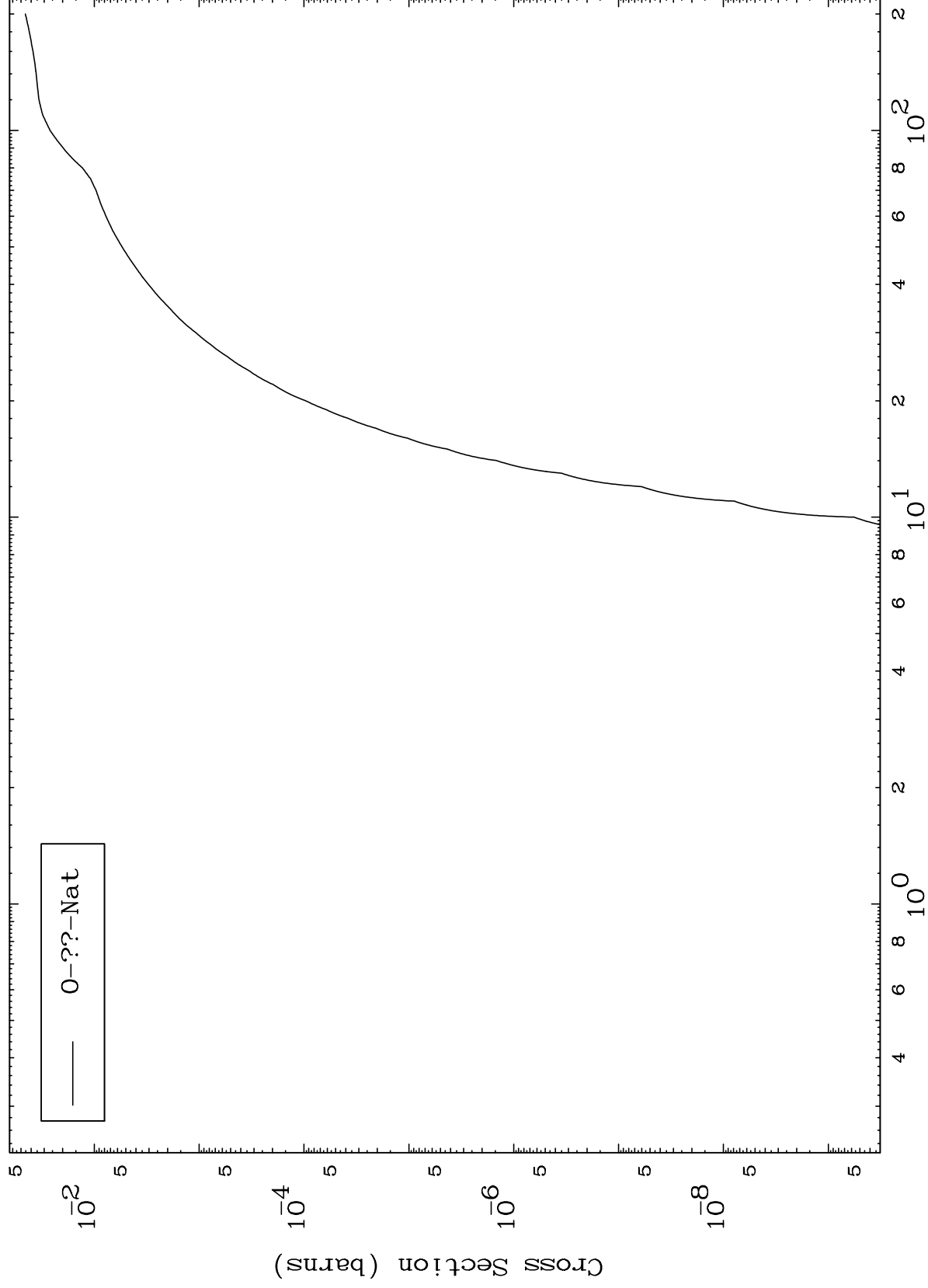


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Fission

⁷⁹Au-196n

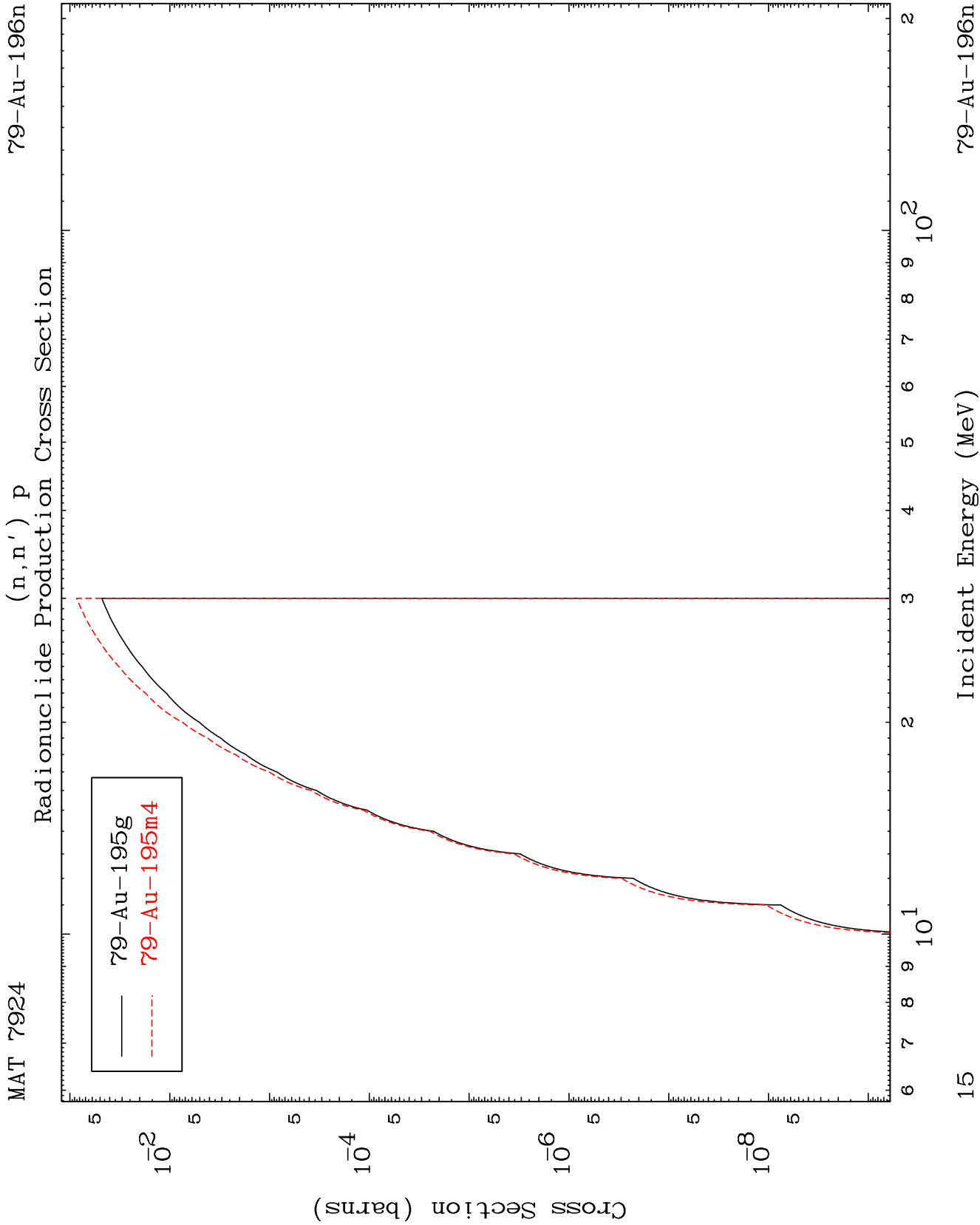
Radionuclide Production Cross Section

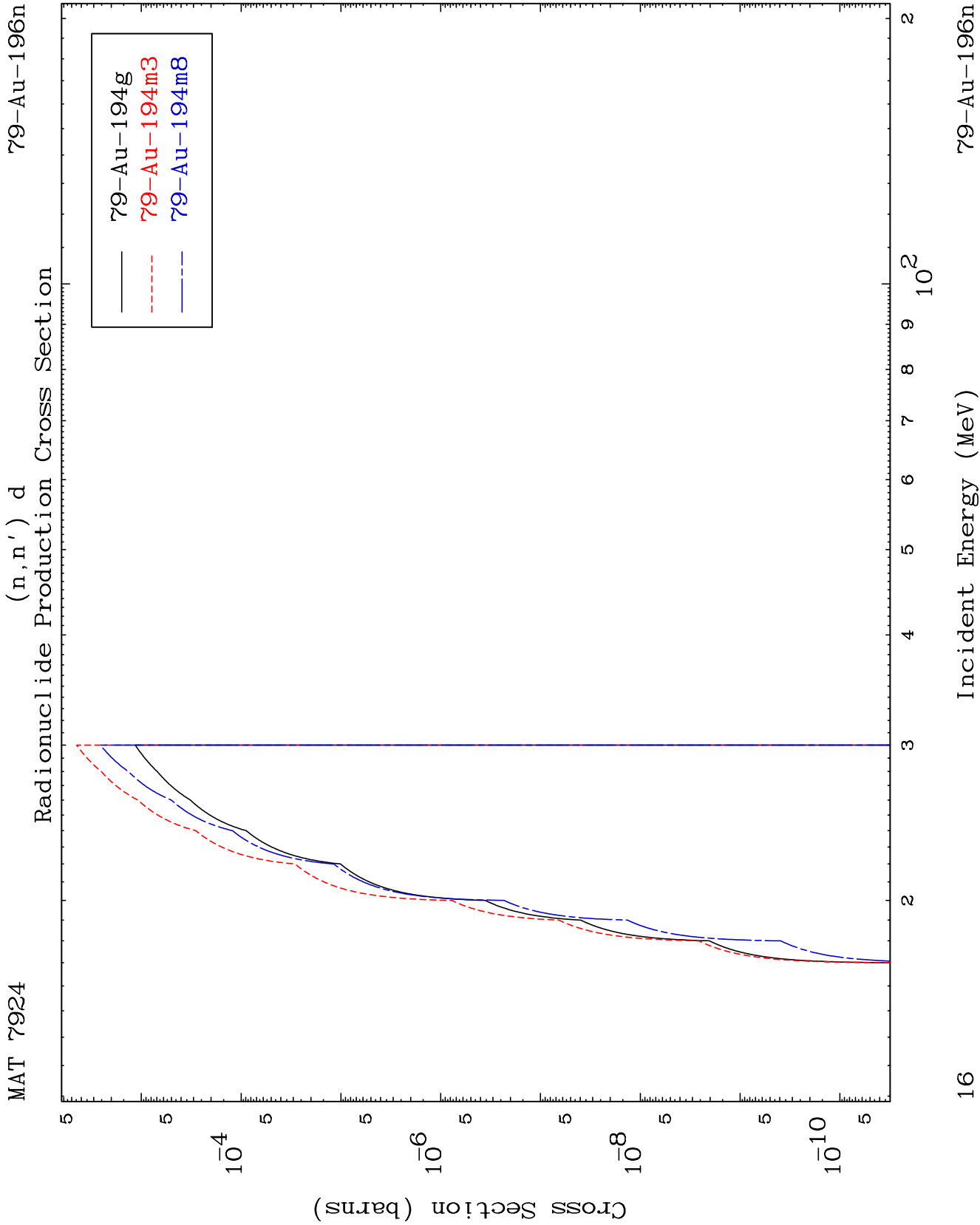


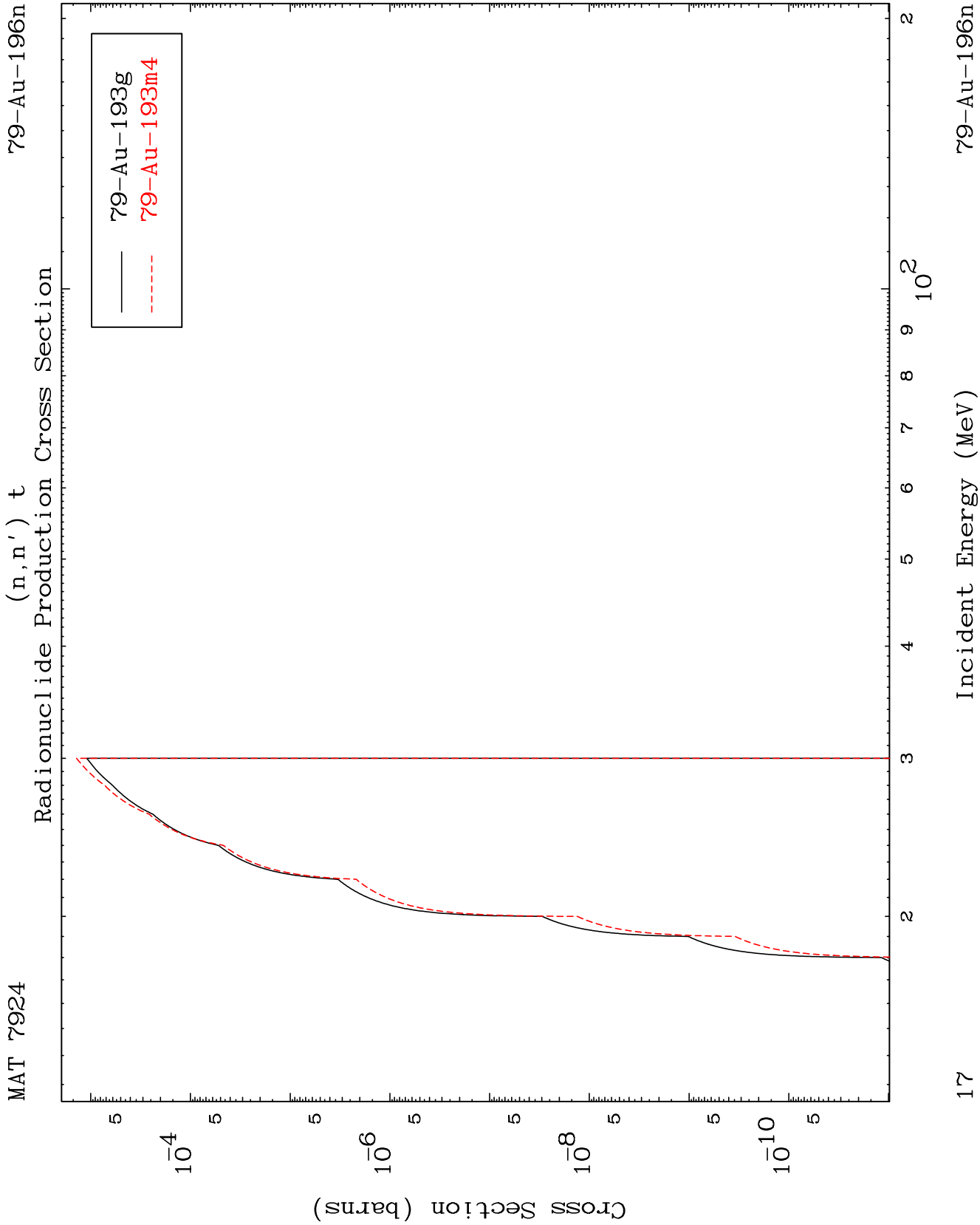
14

Incident Energy (MeV)

⁷⁹Au-196n





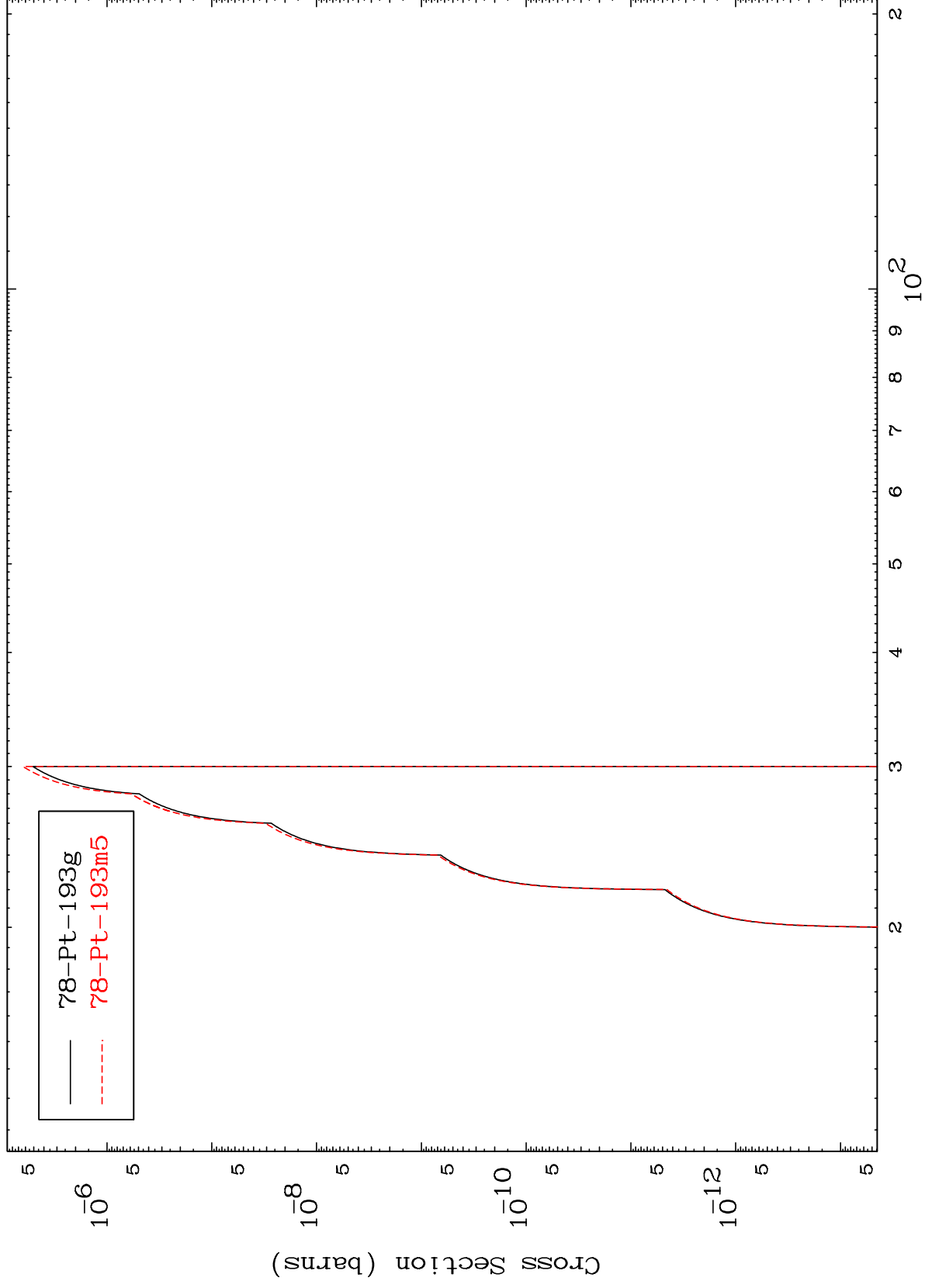


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(n,n') He-3

⁷⁹Au-196n

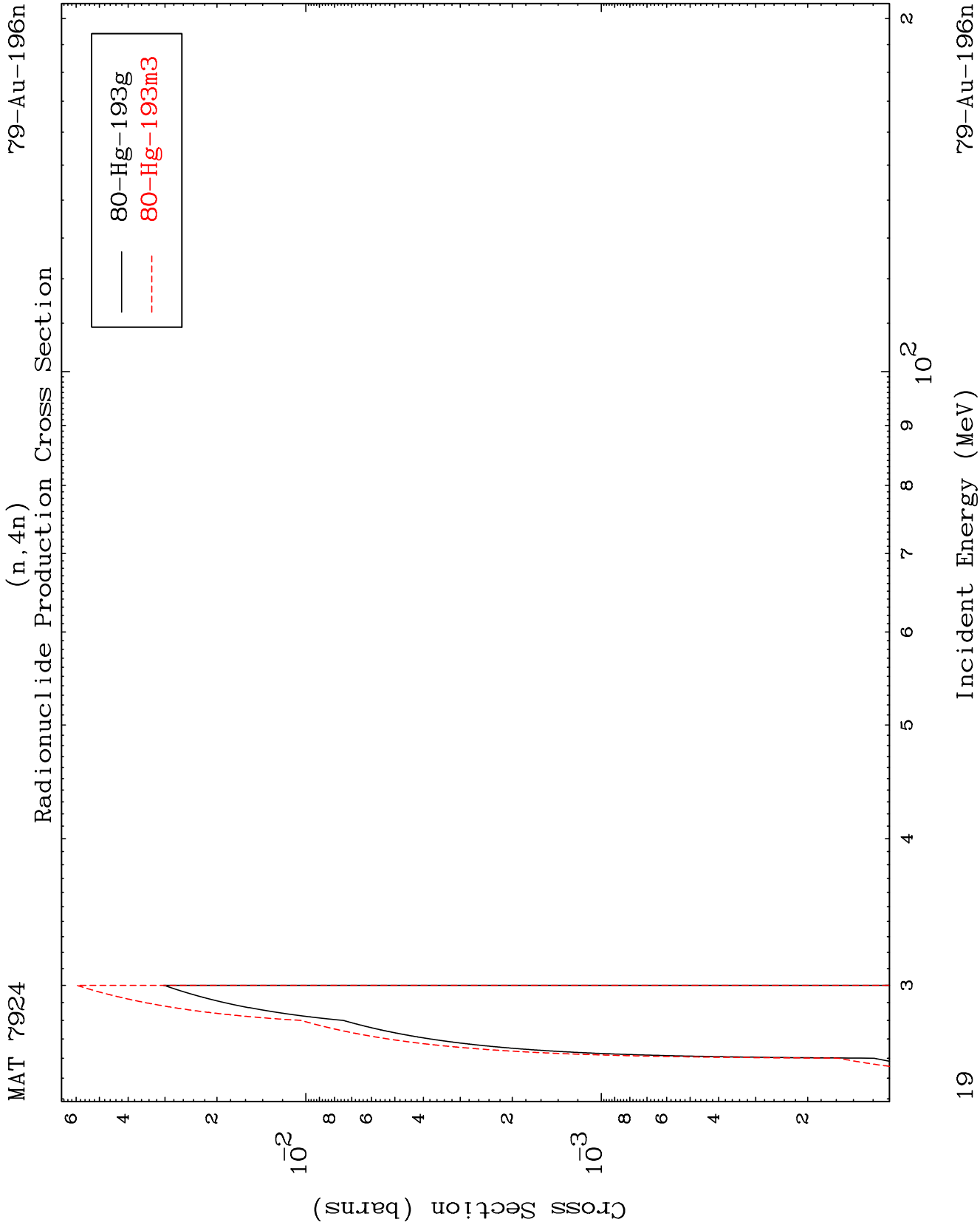
Radionuclide Production Cross Section

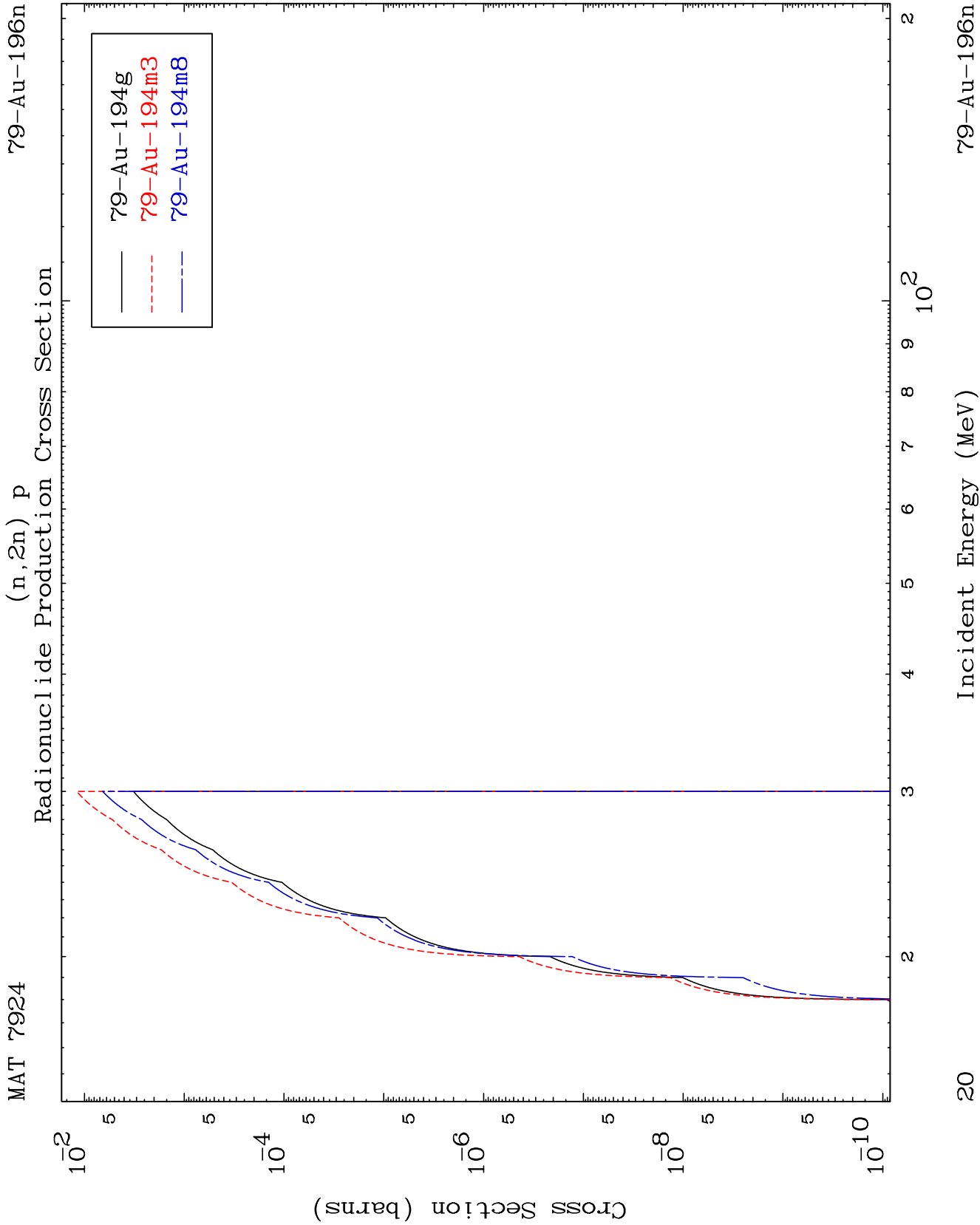


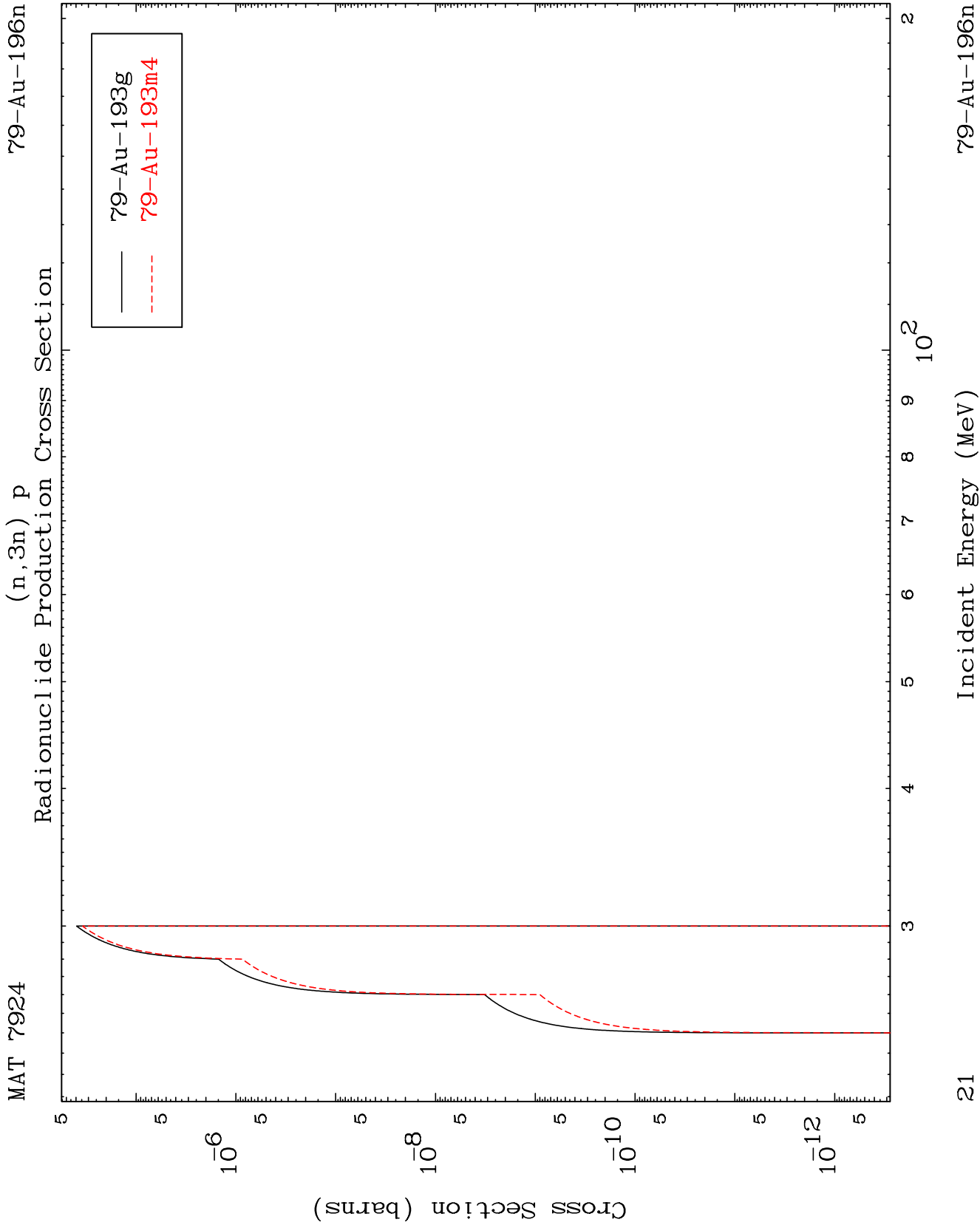
18

Incident Energy (MeV)

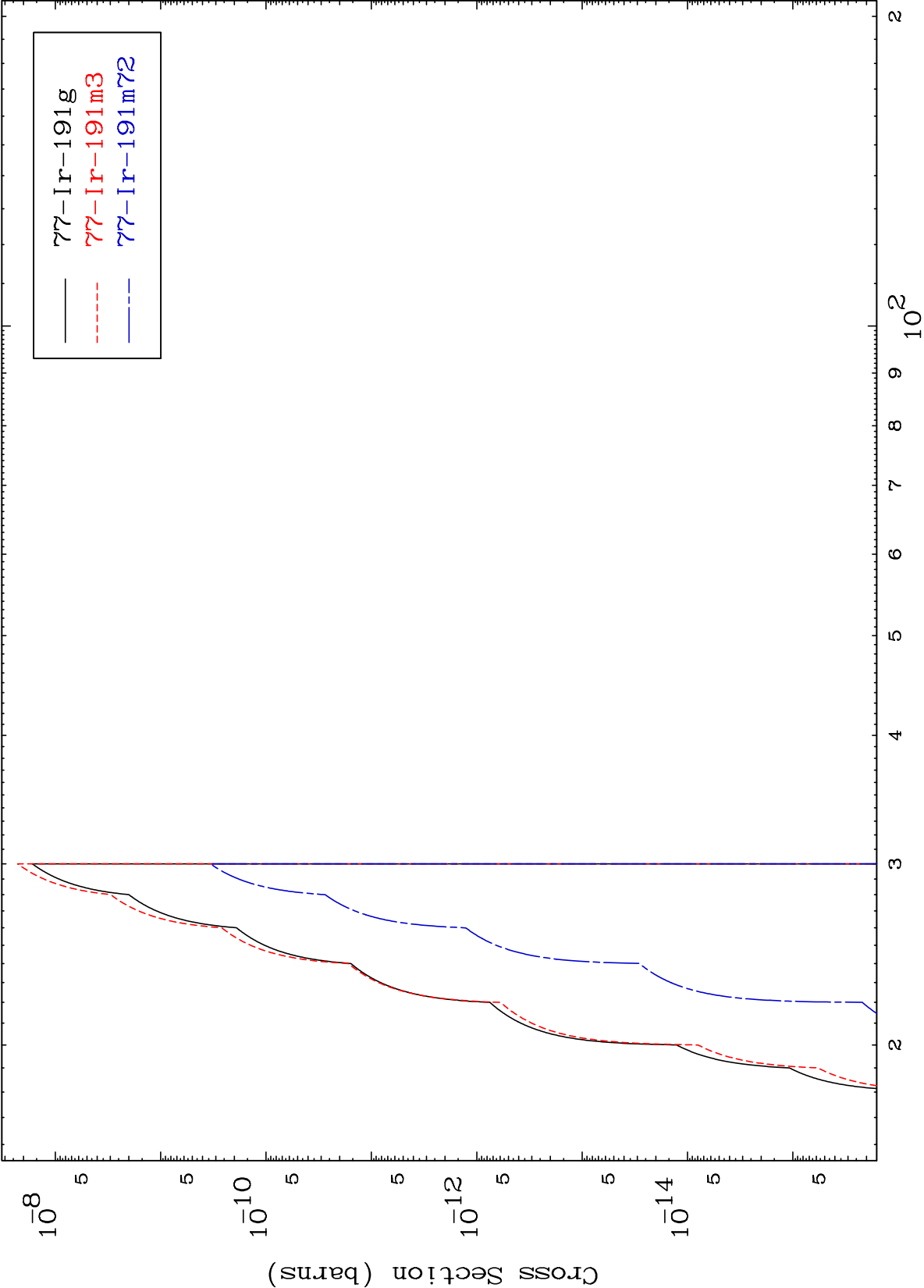
⁷⁹Au-196n







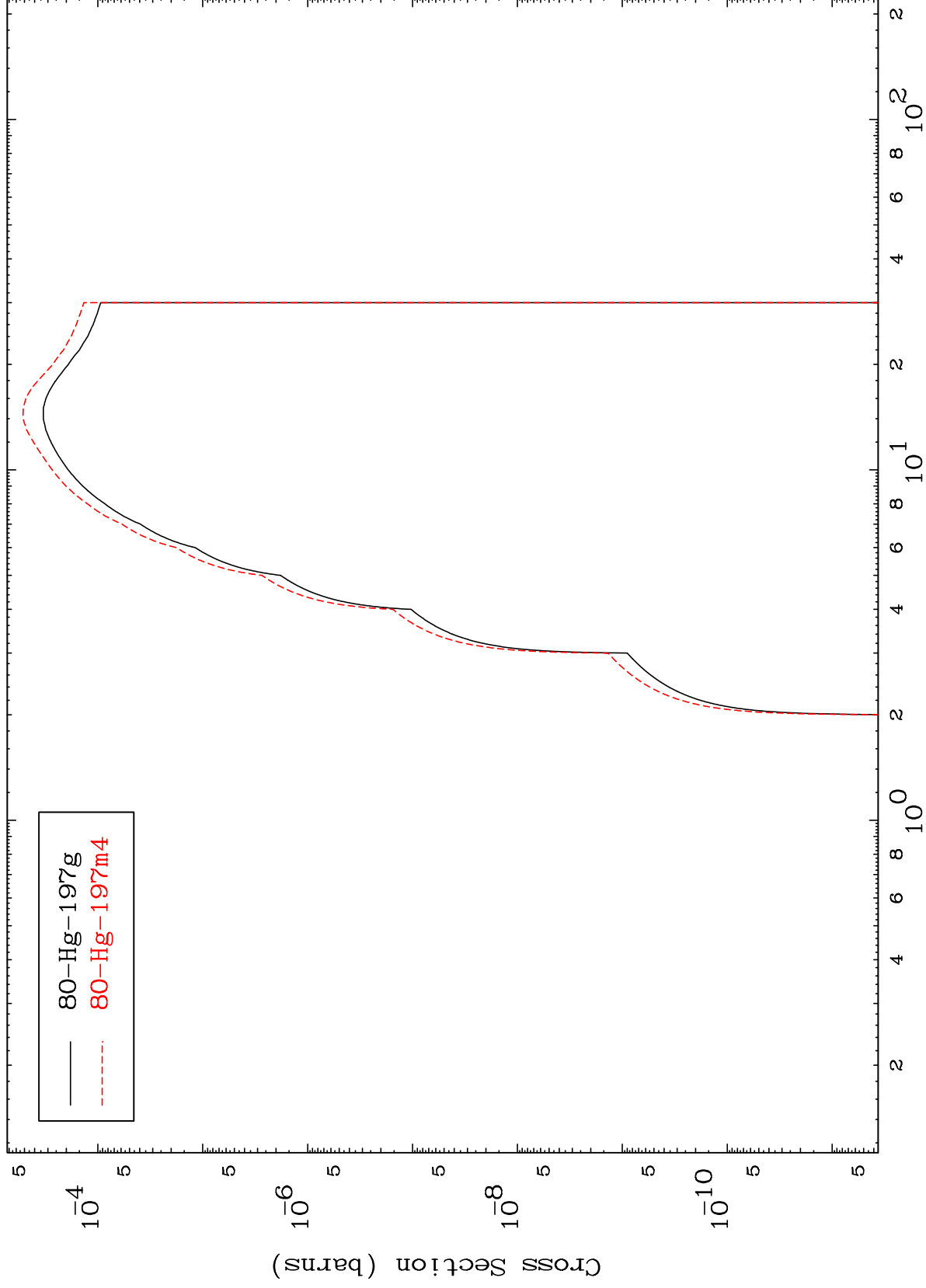
Radionuclide Production Cross Section



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79-Au-196n

Radionuclide Production Cross Section

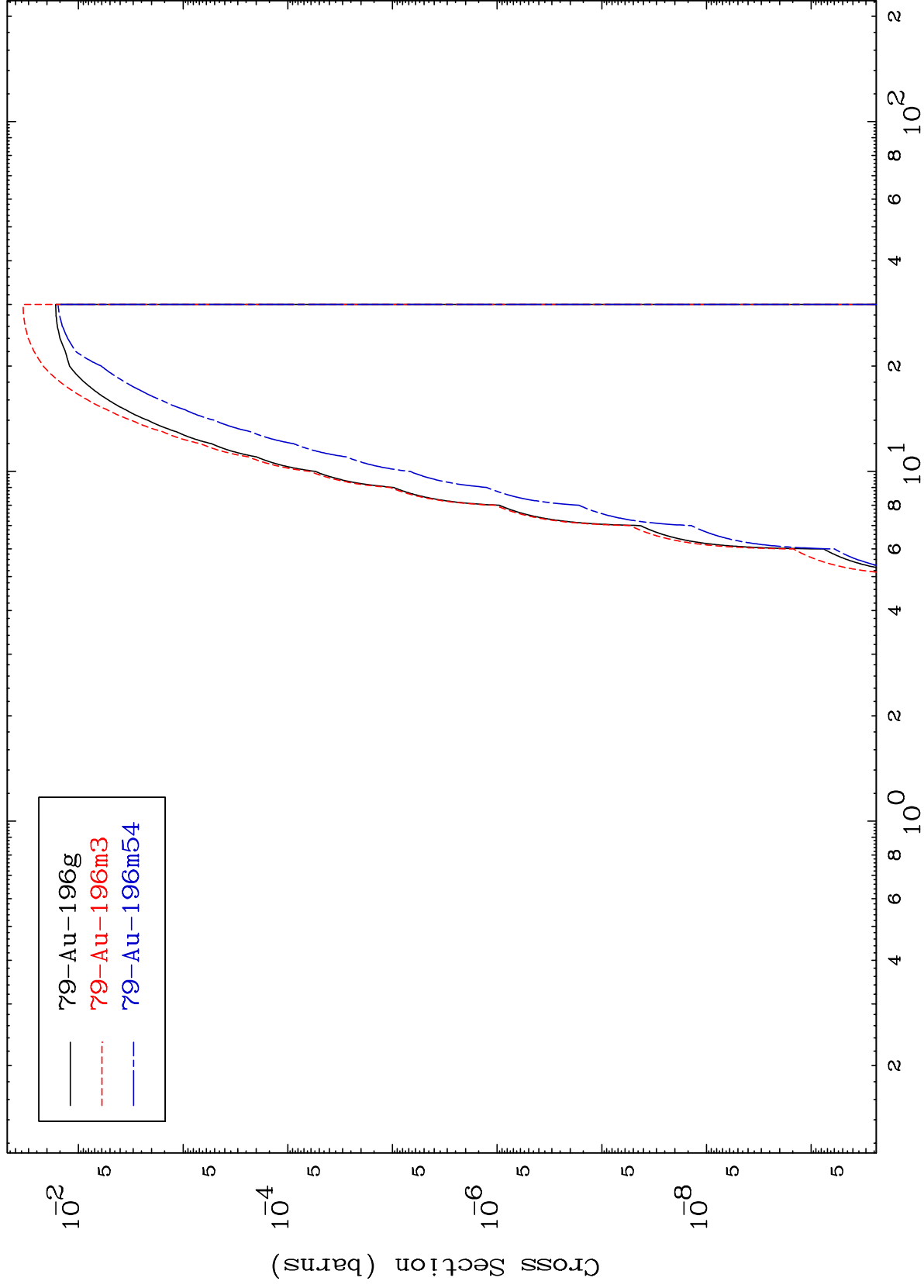


23

Incident Energy (MeV)

79-Au-196n

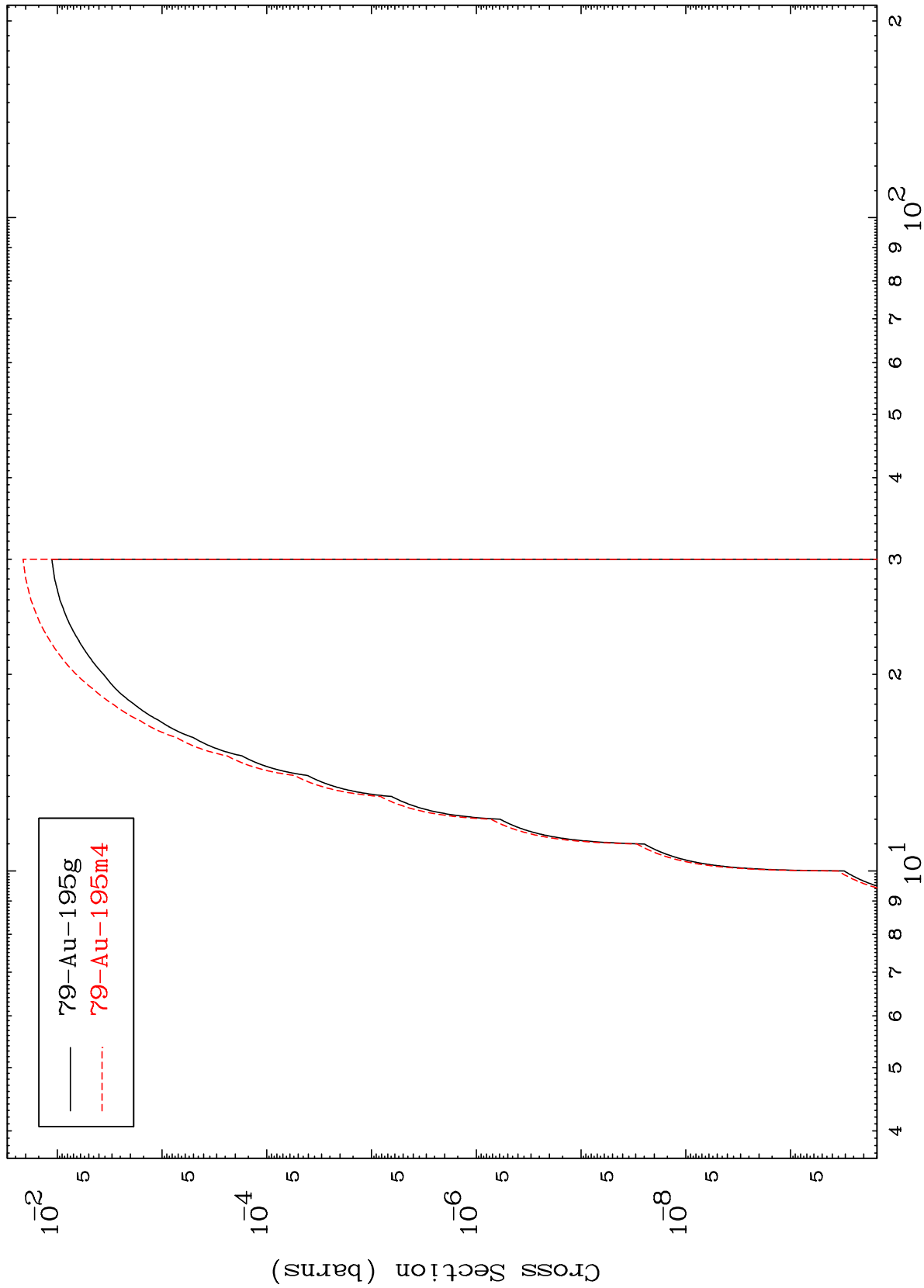
Radionuclide Production Cross Section (n,p)



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

Radionuclide Production Cross Section (n,d)



25

Incident Energy (MeV)

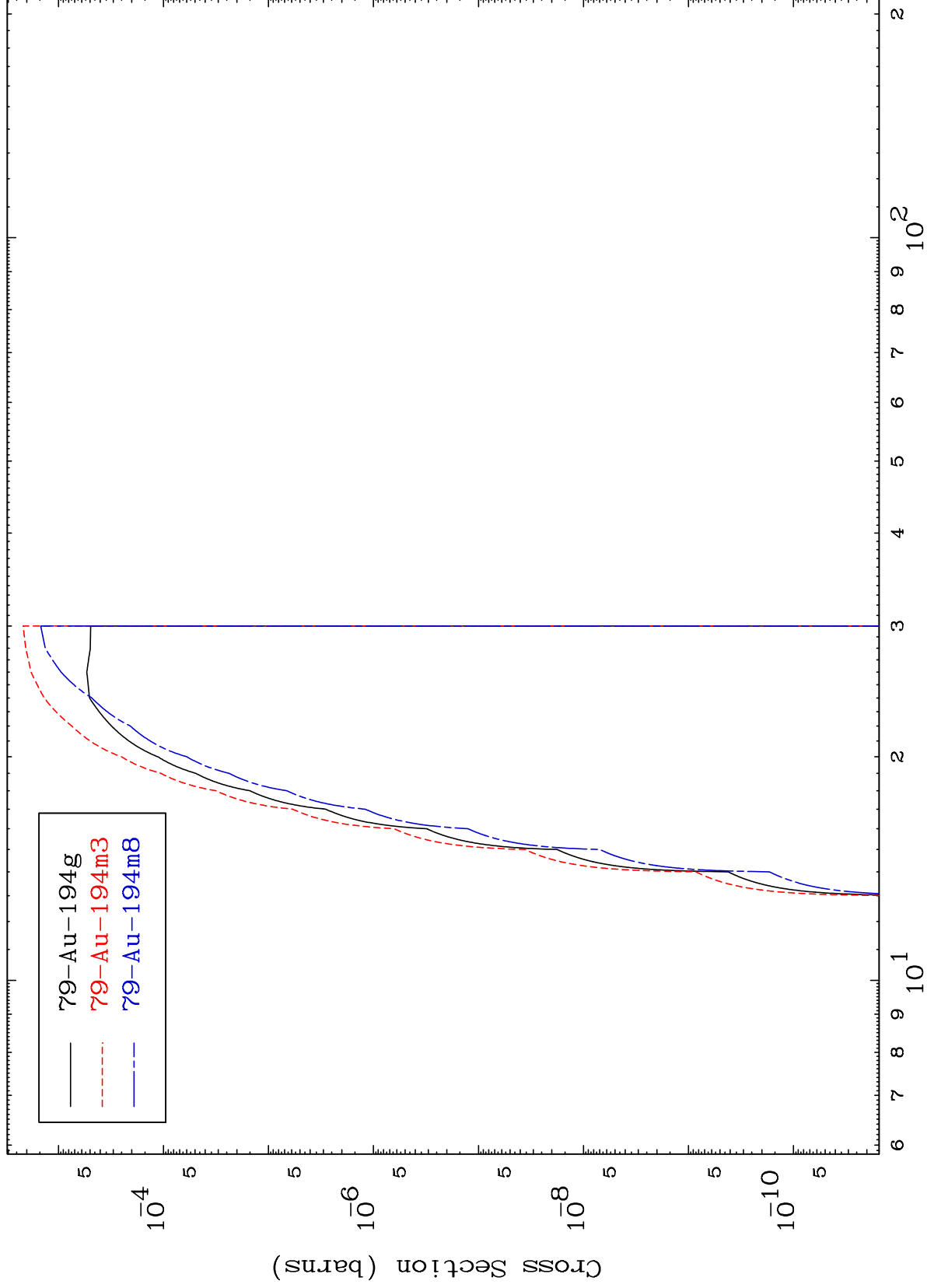
$^{79}\text{Au-196n}$

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

Radionuclide Production Cross Section

(n,t)



26

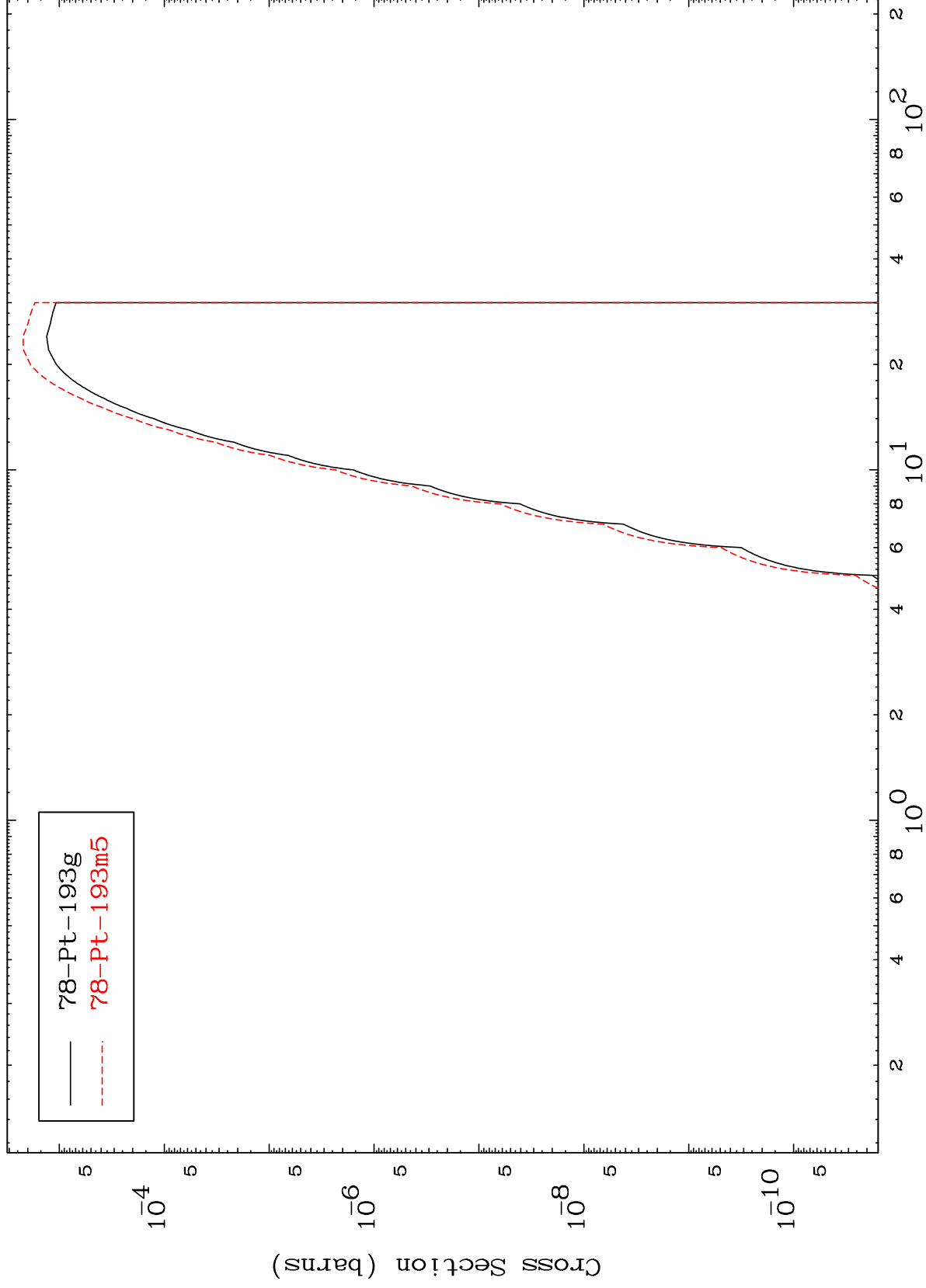
Incident Energy (MeV)

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

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

Radionuclide Production Cross Section



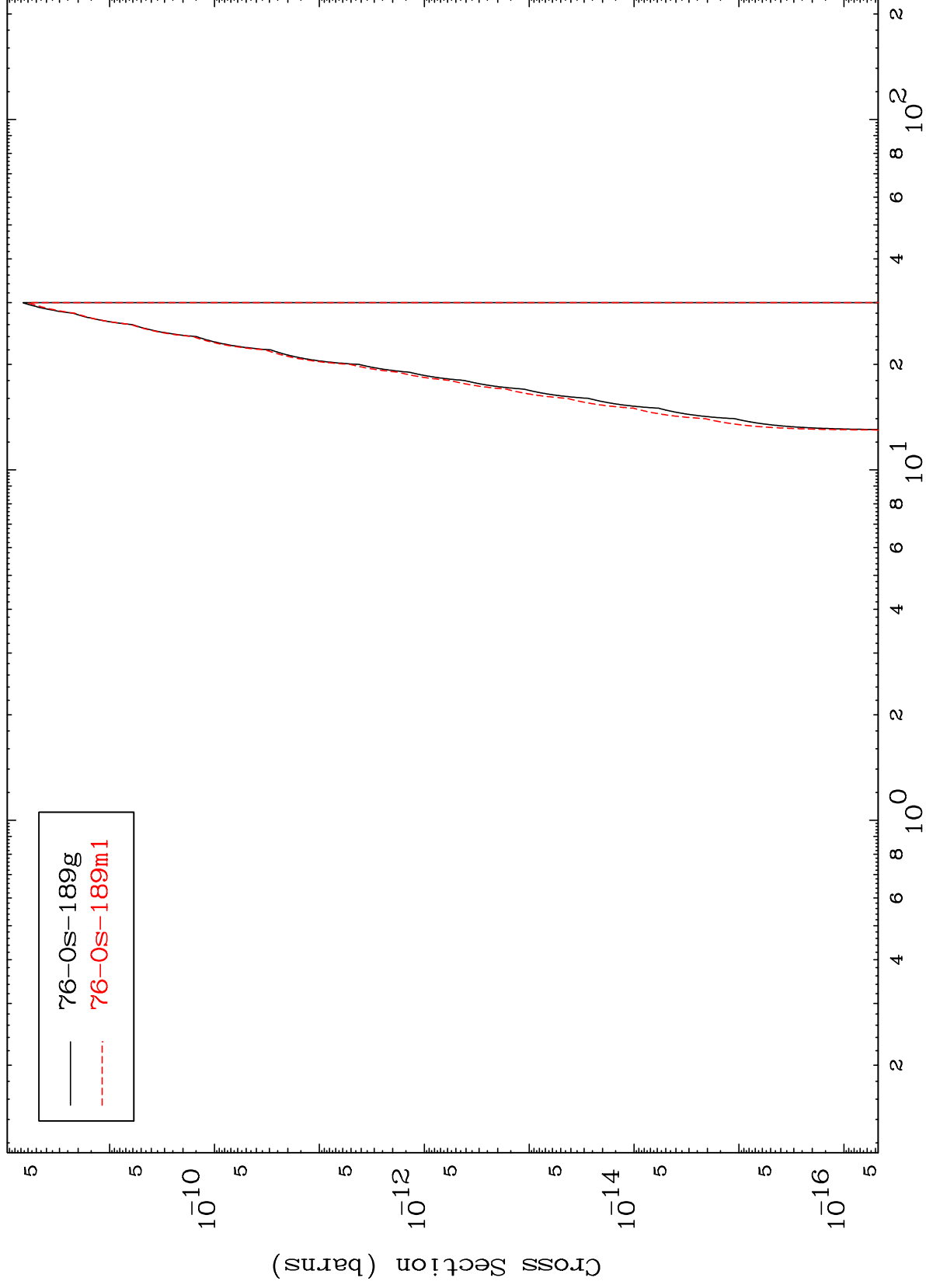
27

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

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

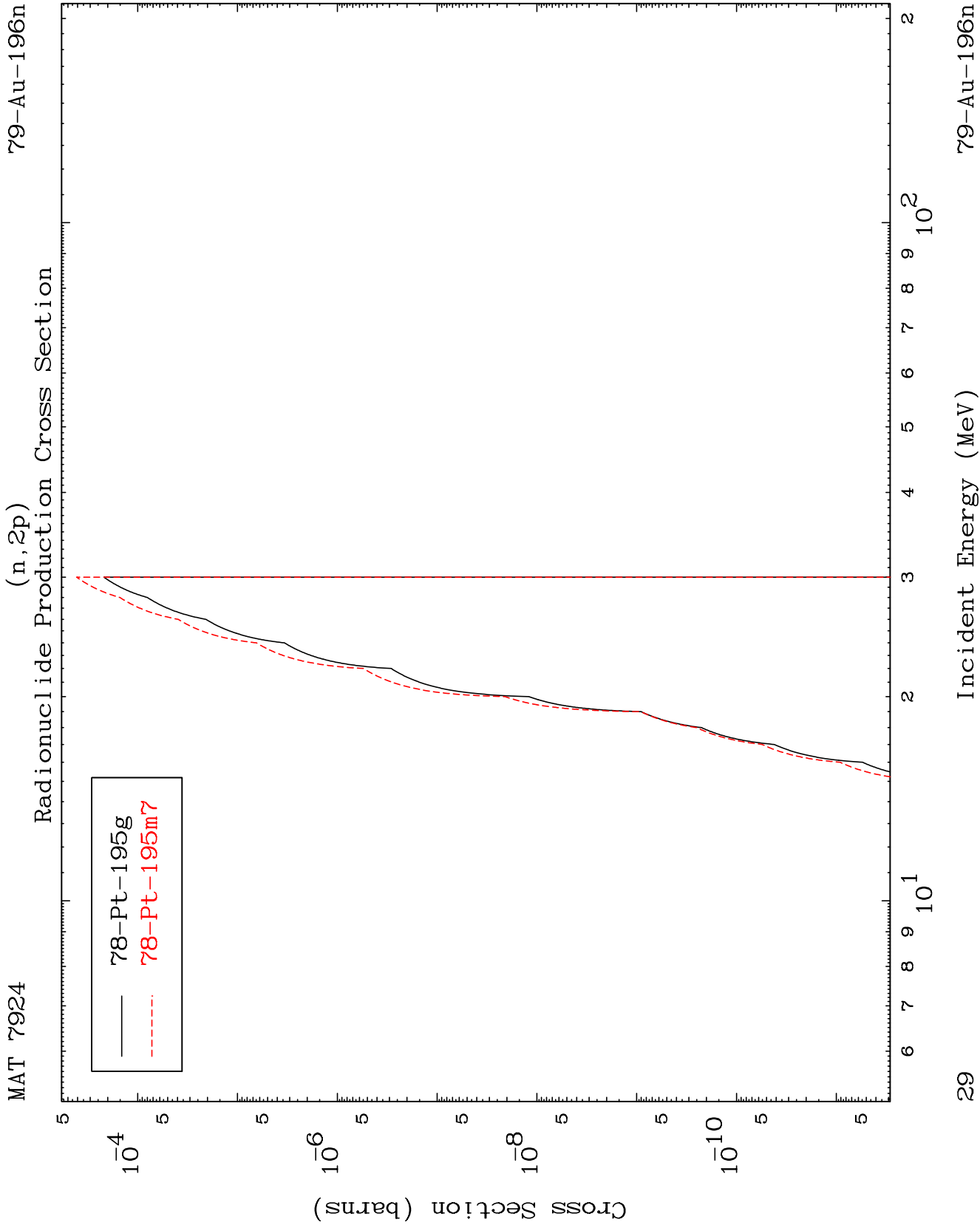
Radionuclide Production Cross Section



28

Incident Energy (MeV)

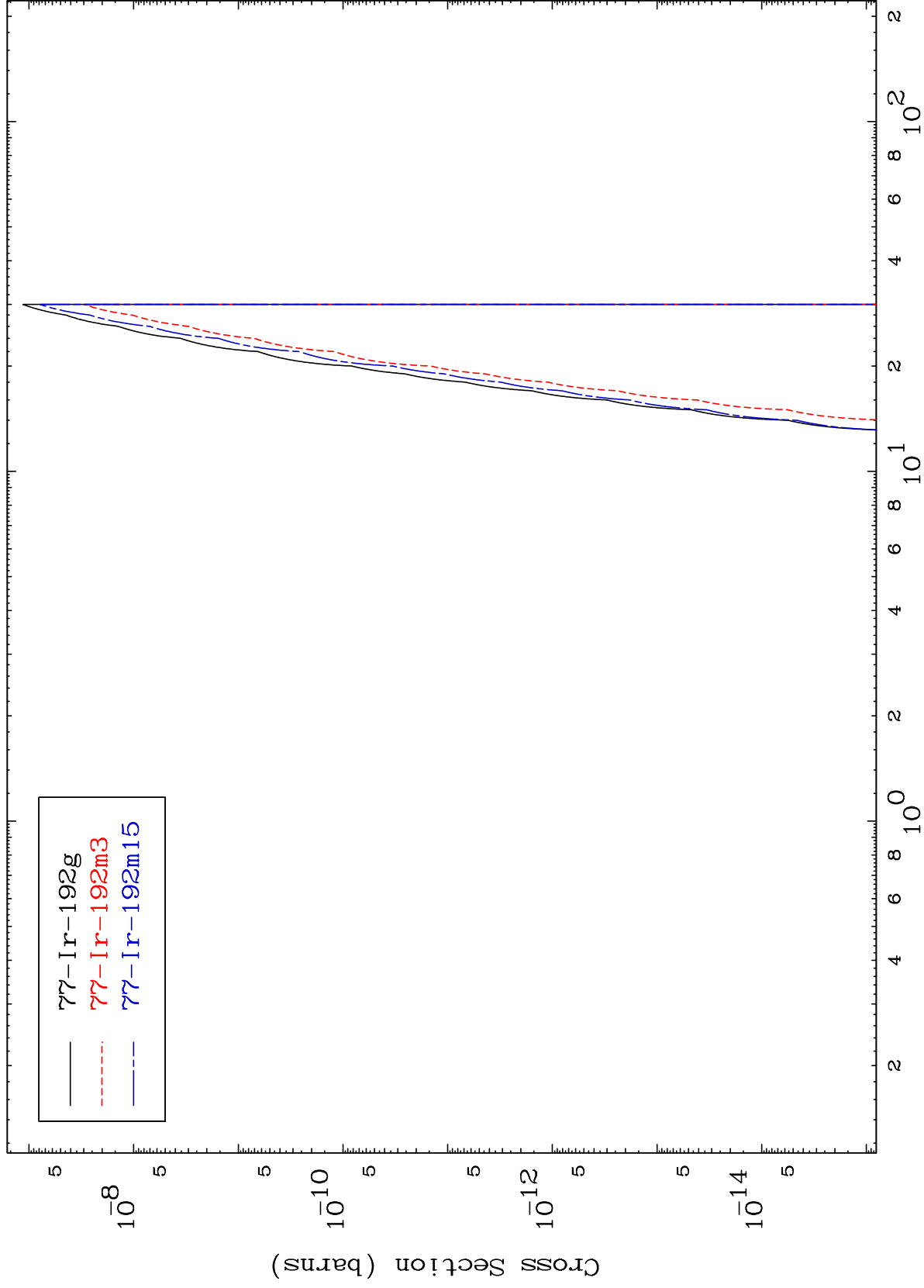
$^{79}\text{Au-196n}$



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

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



30

Incident Energy (MeV)

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

(n,p) t
Radionuclide Production Cross Section

