

Program EVALPLOT
(Version 2021-1)

by

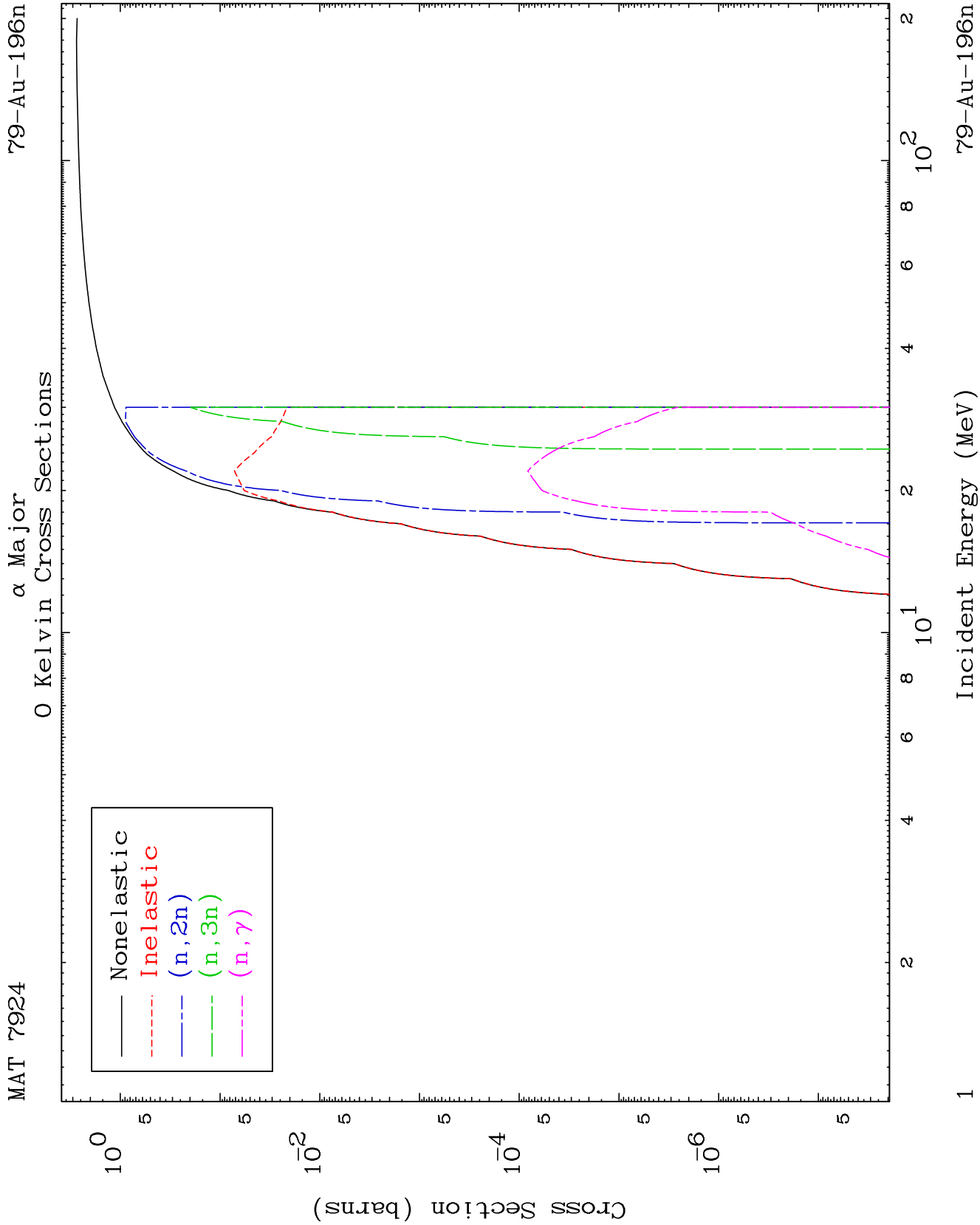
Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

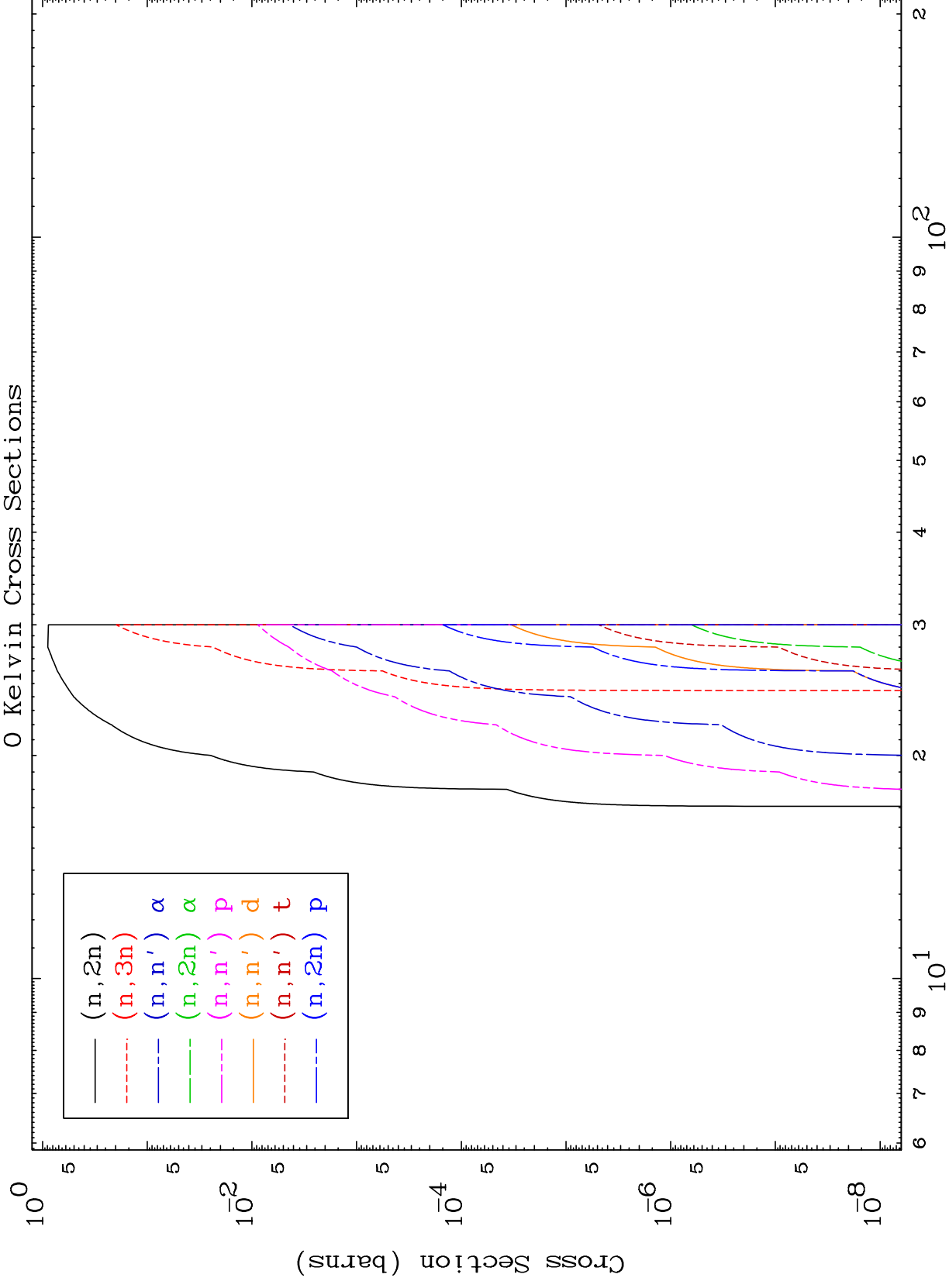
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



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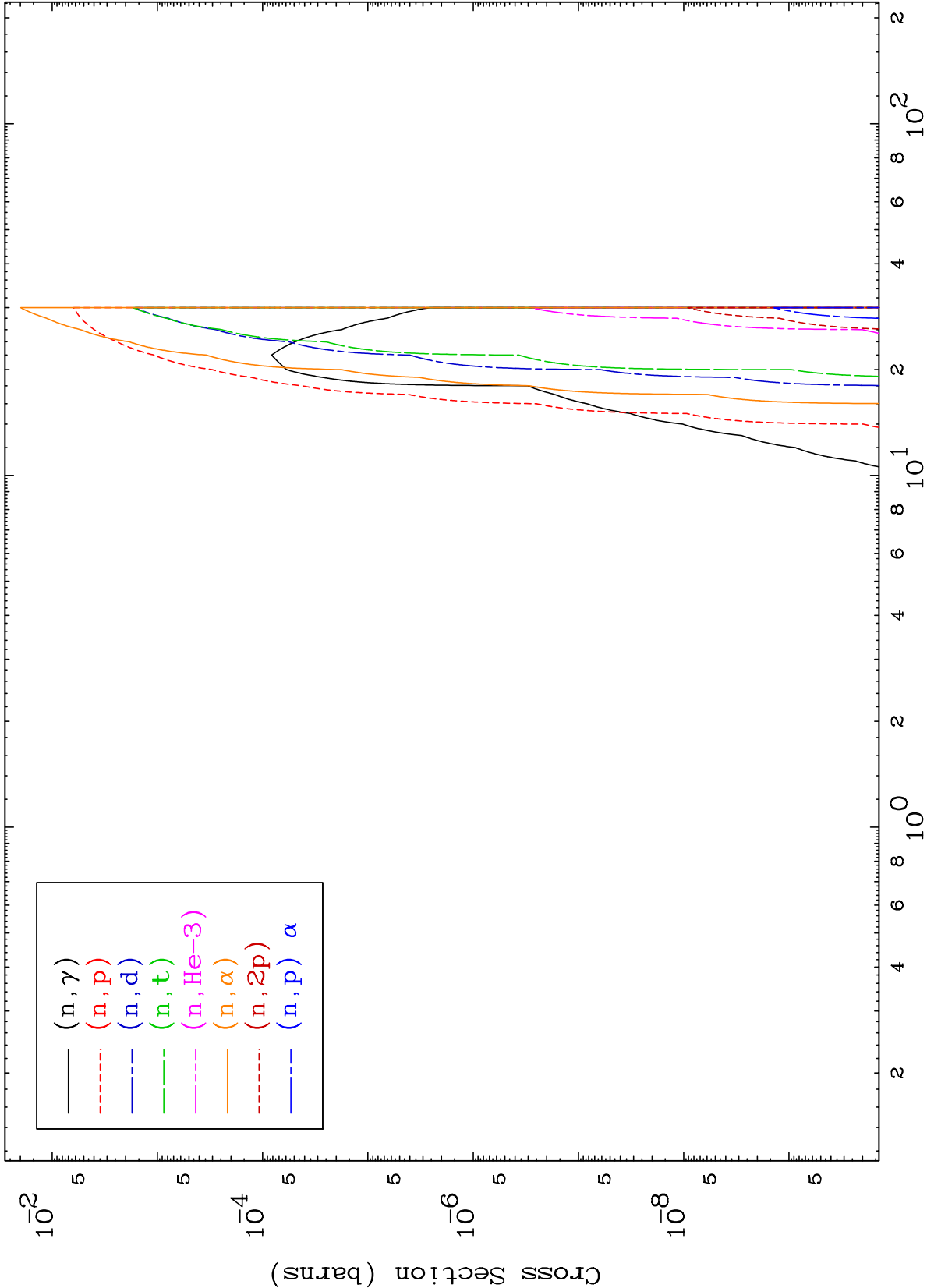
α Neutron Absorption 0 Kelvin Cross Sections

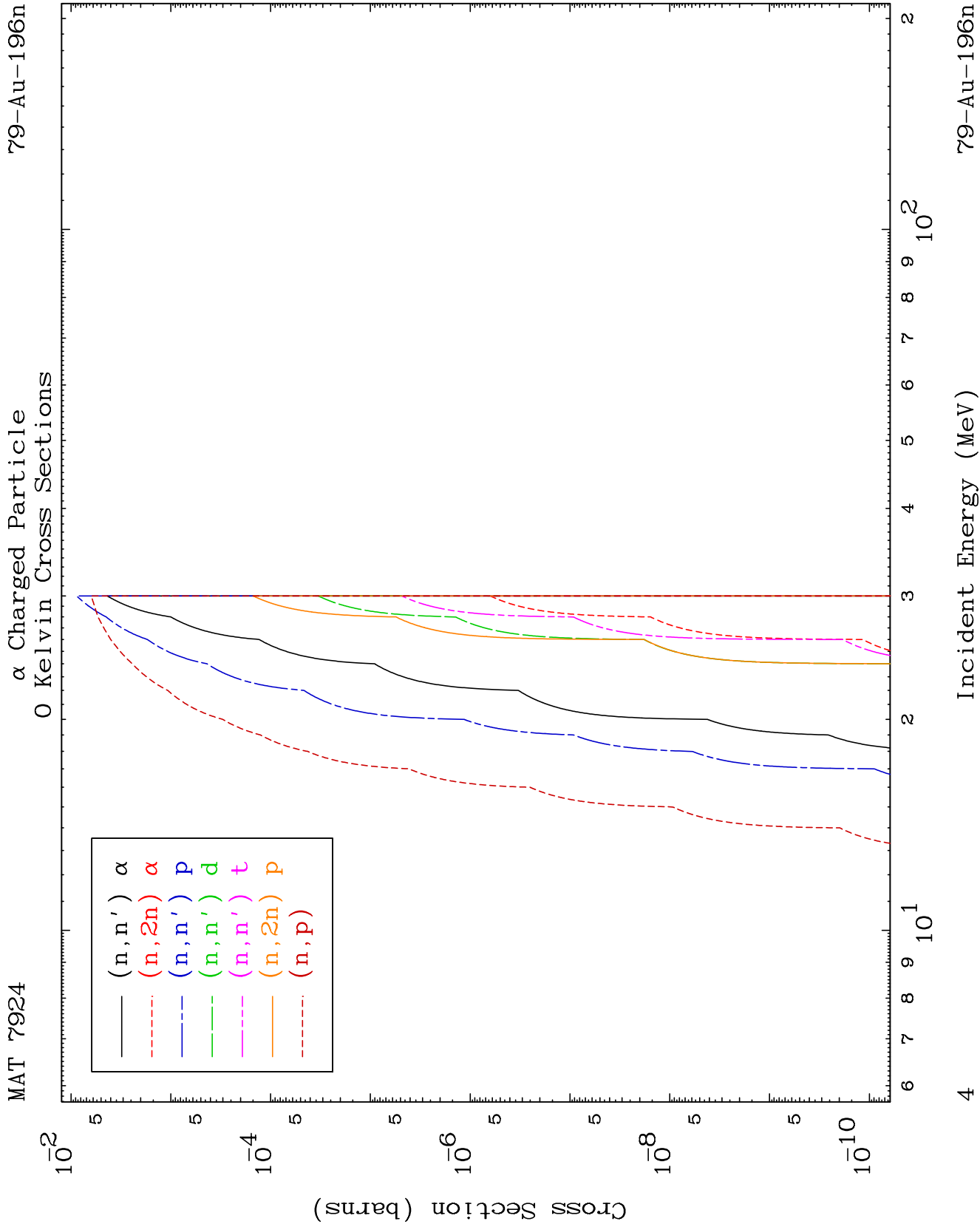
 $^{79}\text{-Au-}^{196}\text{n}$ 

79-Au-196n

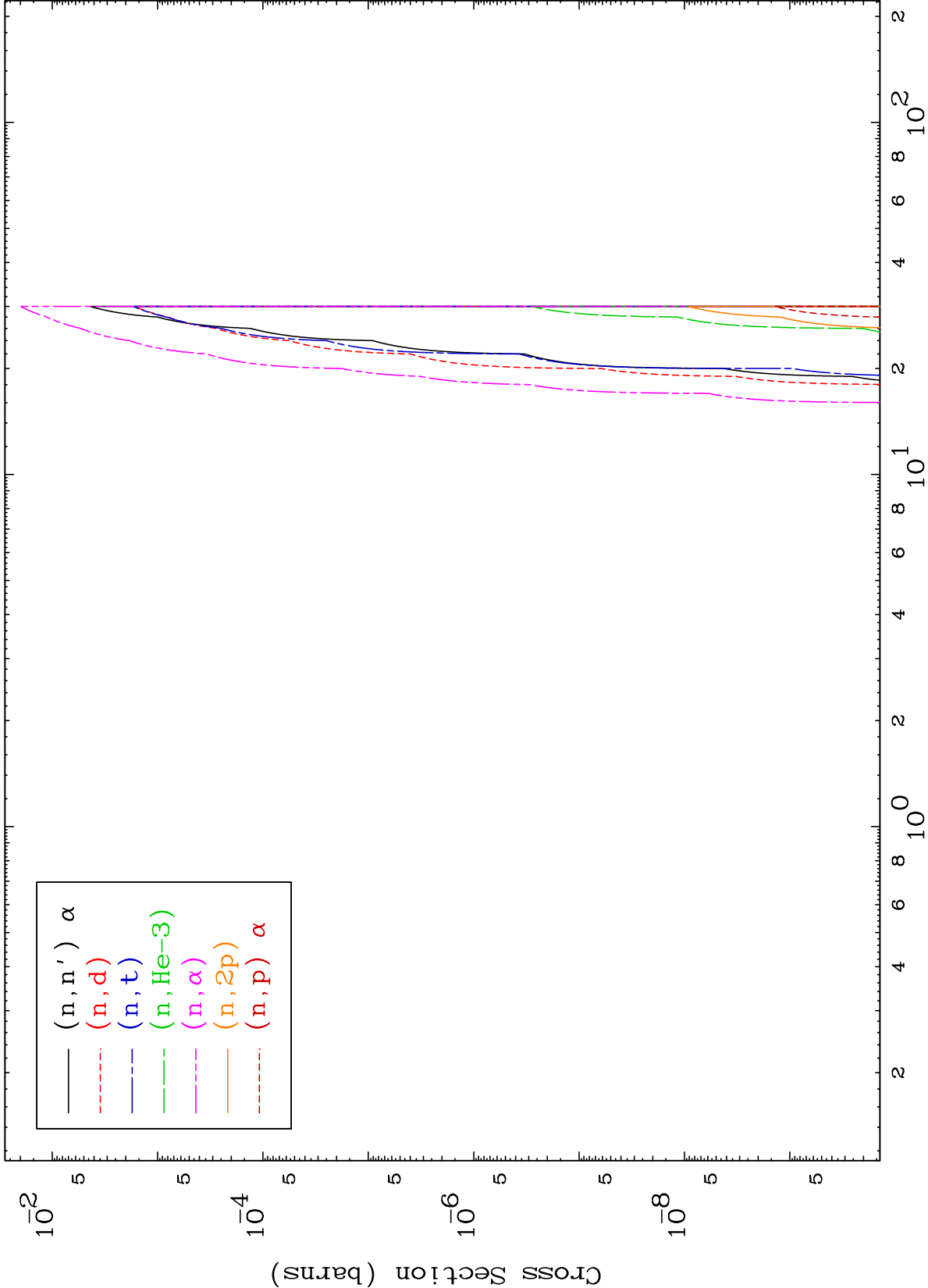
Incident Energy (MeV)

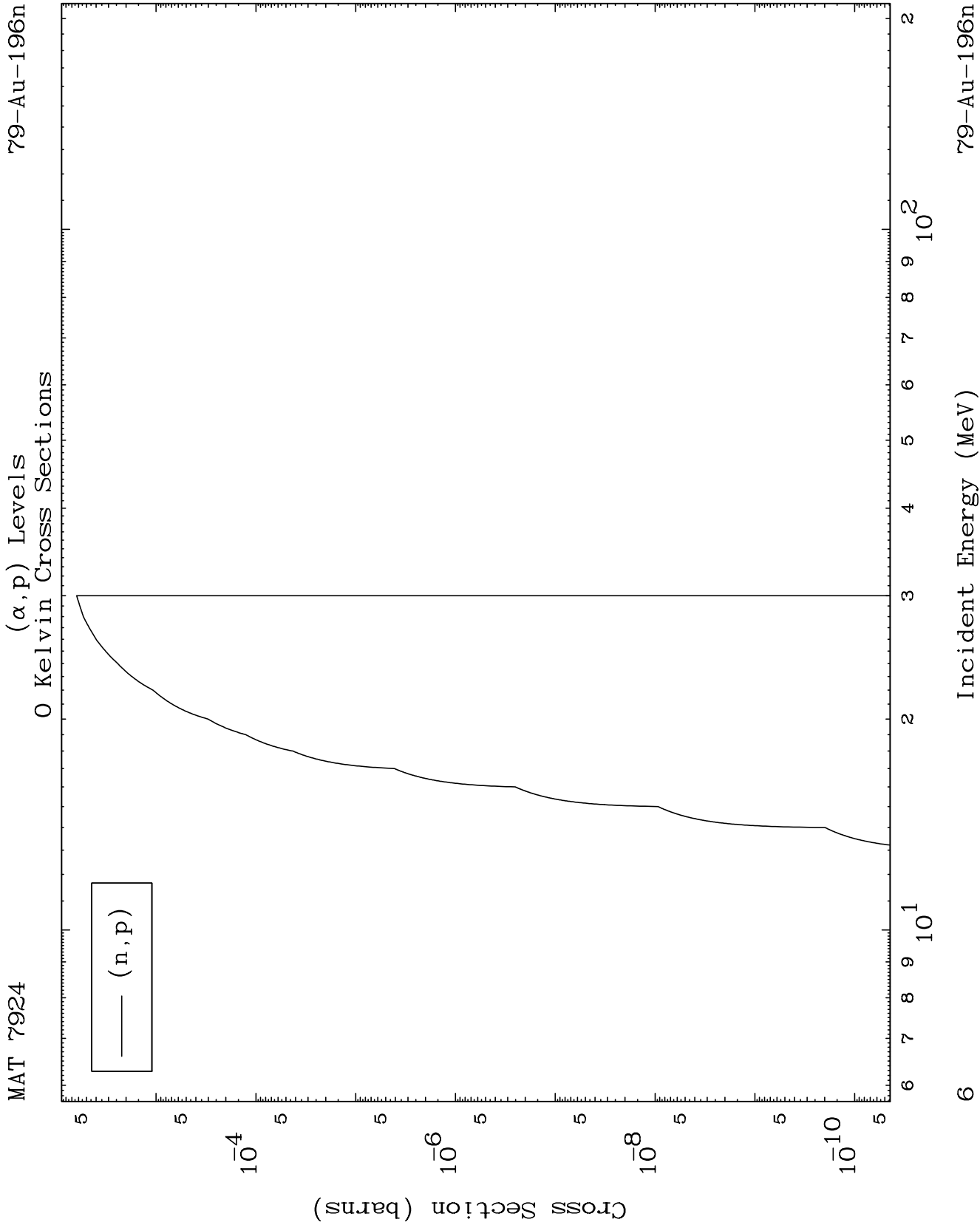
0 Kelvin Cross Sections





0 Kelvin Cross Sections

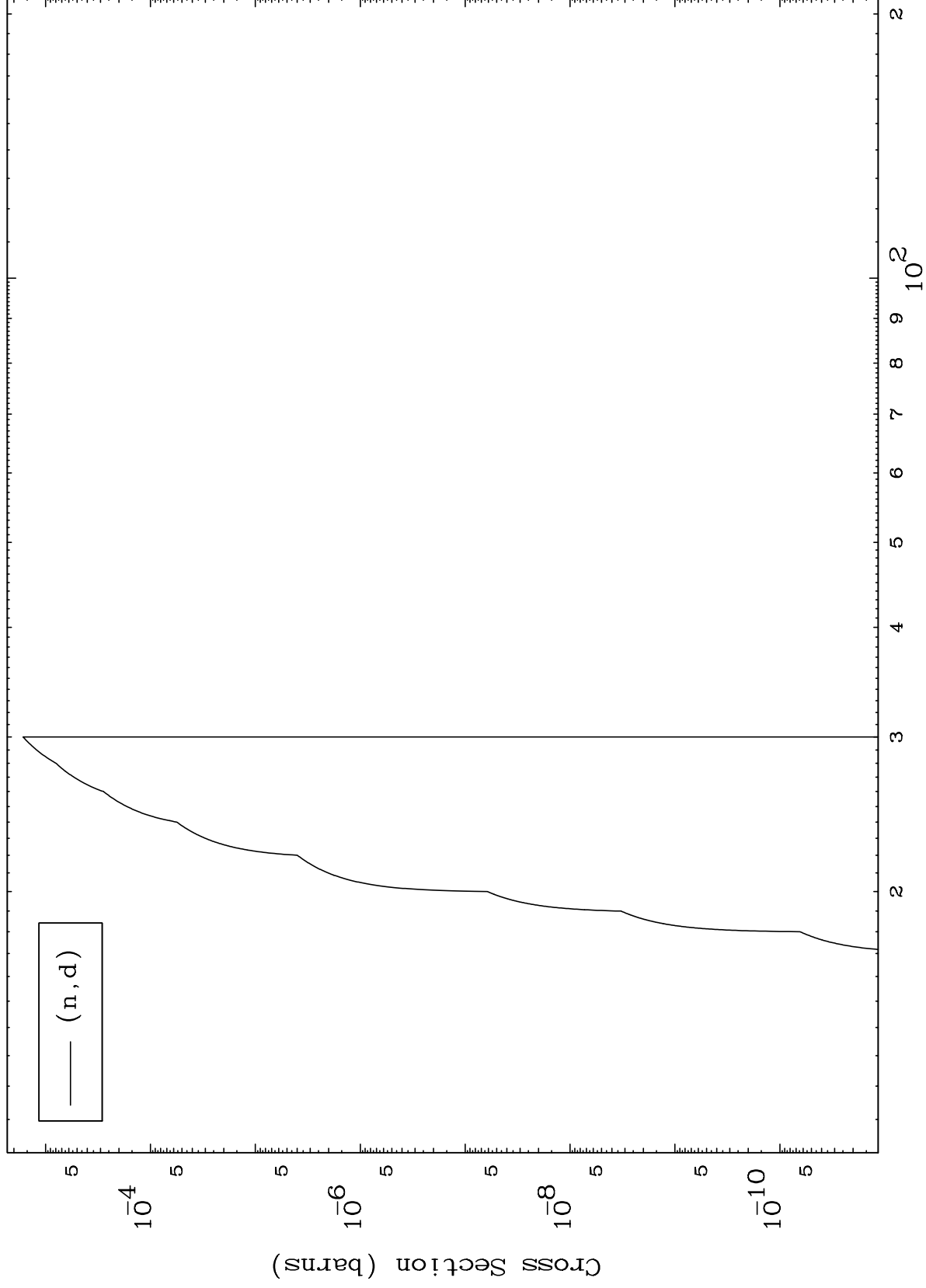




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⁷⁹Au-196n

(α ,d) Levels
0 Kelvin Cross Sections



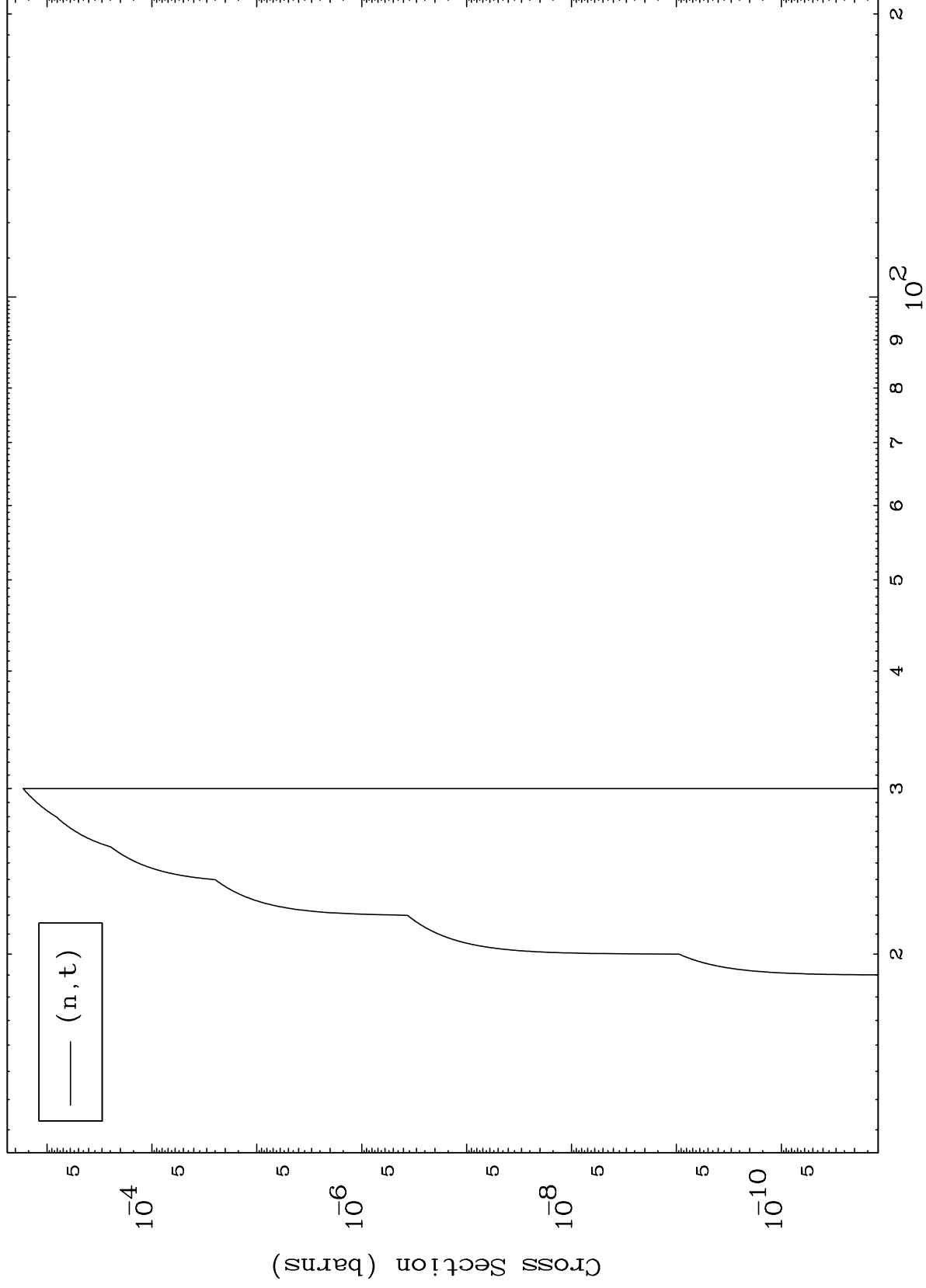
7

⁷⁹Au-196n

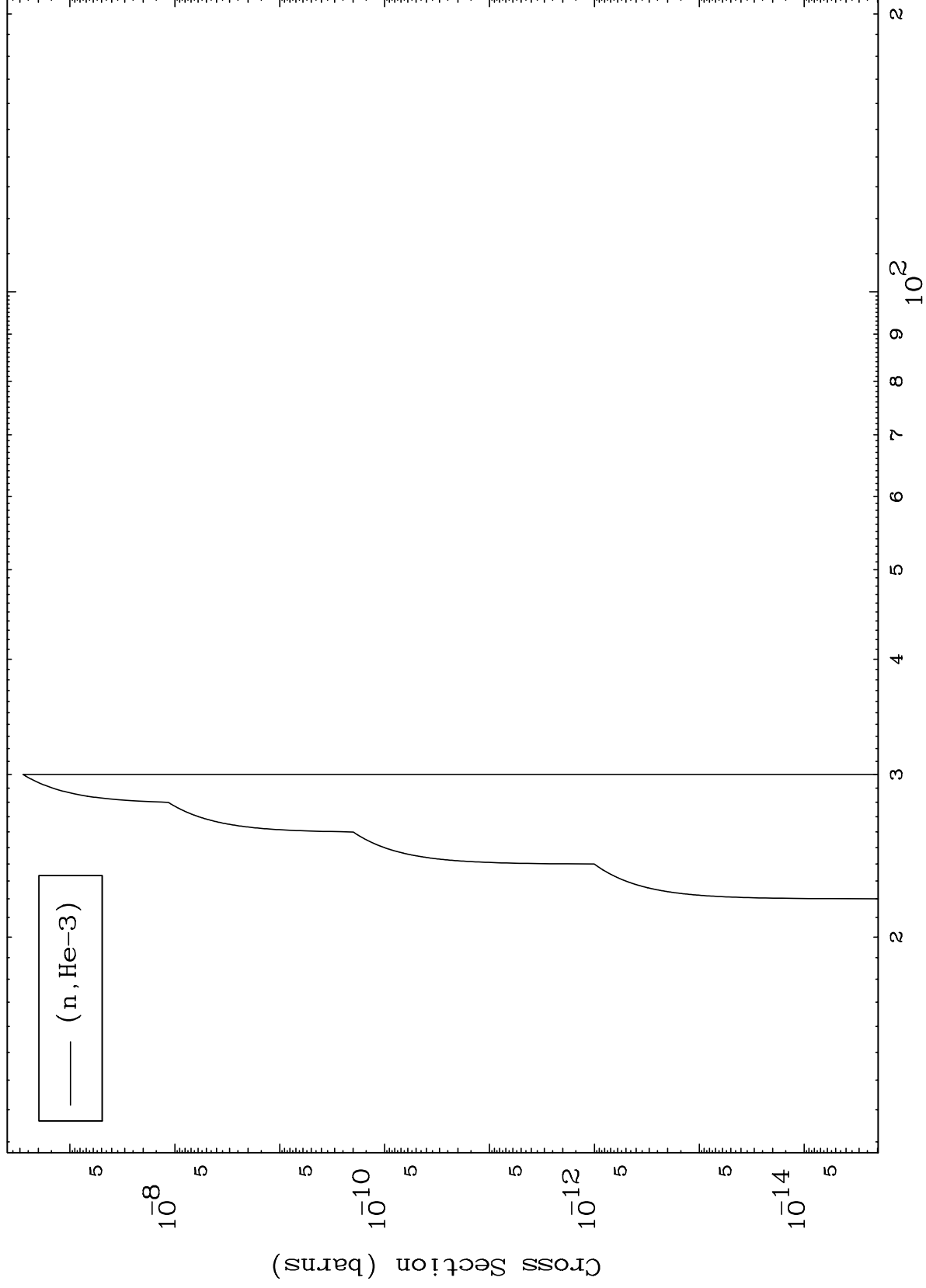
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⁷⁹Au-196n

(α, t) Levels
0 Kelvin Cross Sections



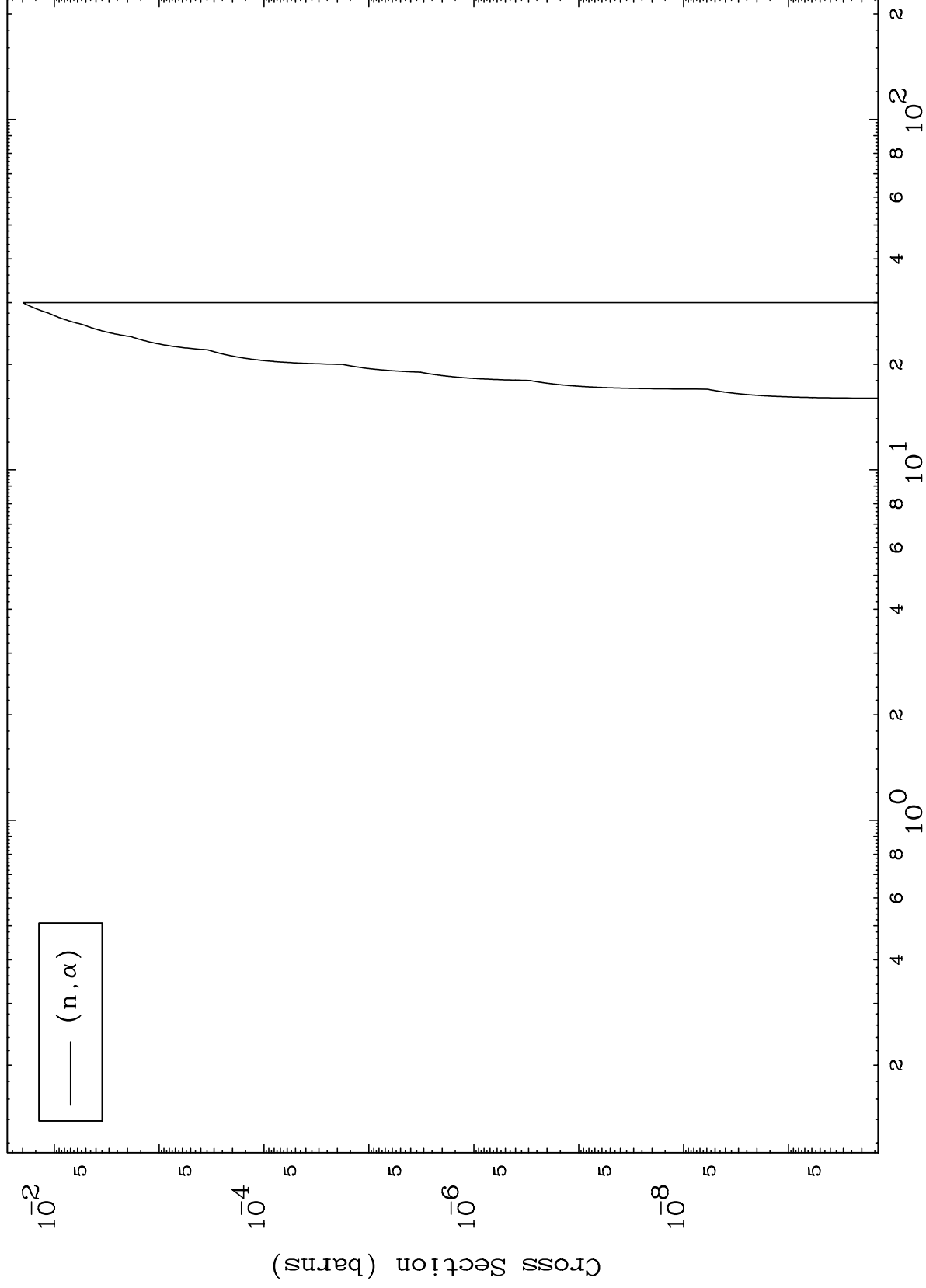
(α ,He3) Levels
0 Kelvin Cross Sections



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⁷⁹Au-196n

(α, α) Levels
0 Kelvin Cross Sections



10

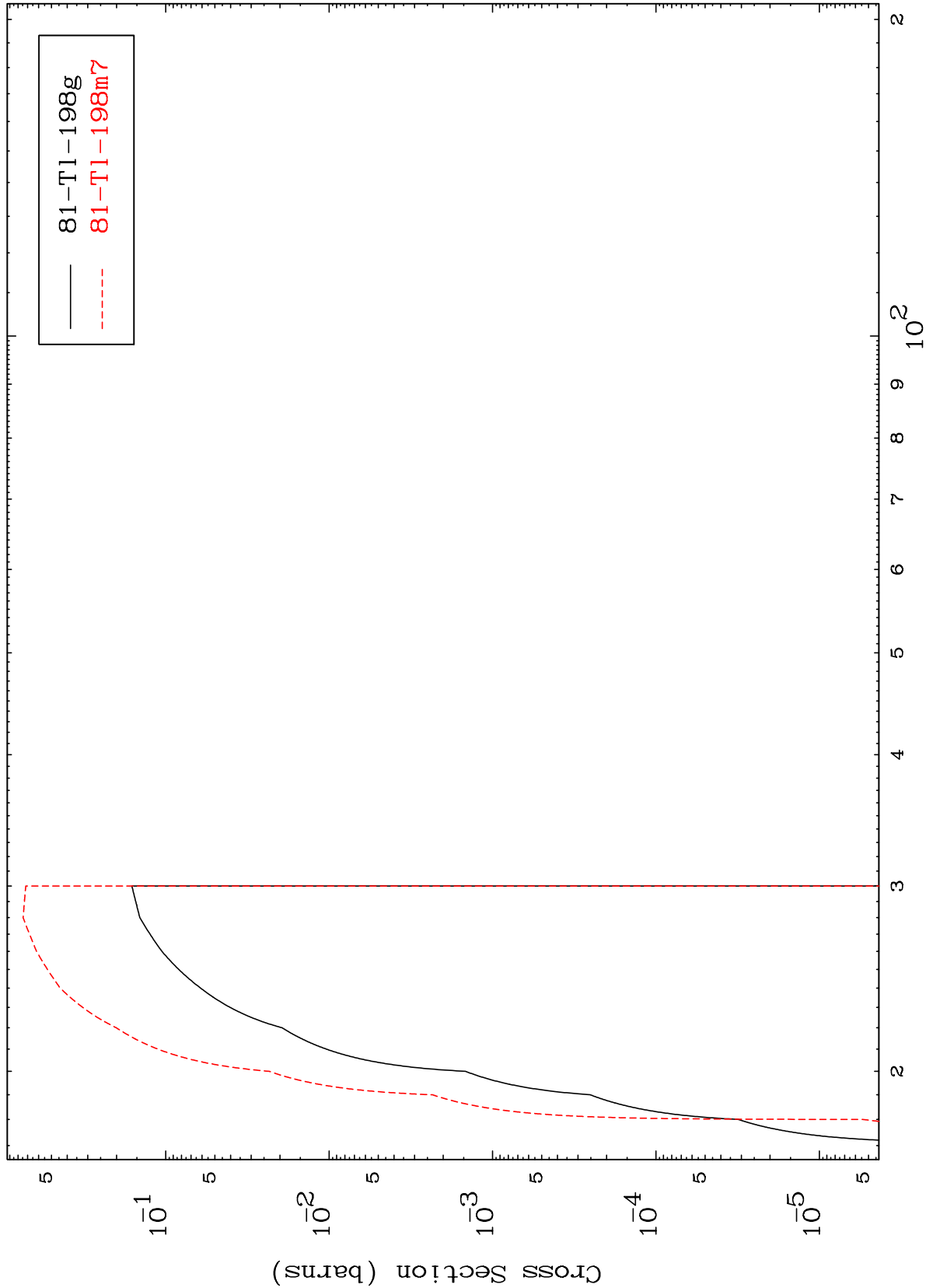
Incident Energy (MeV)

⁷⁹Au-196n

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⁷⁹Au-196n

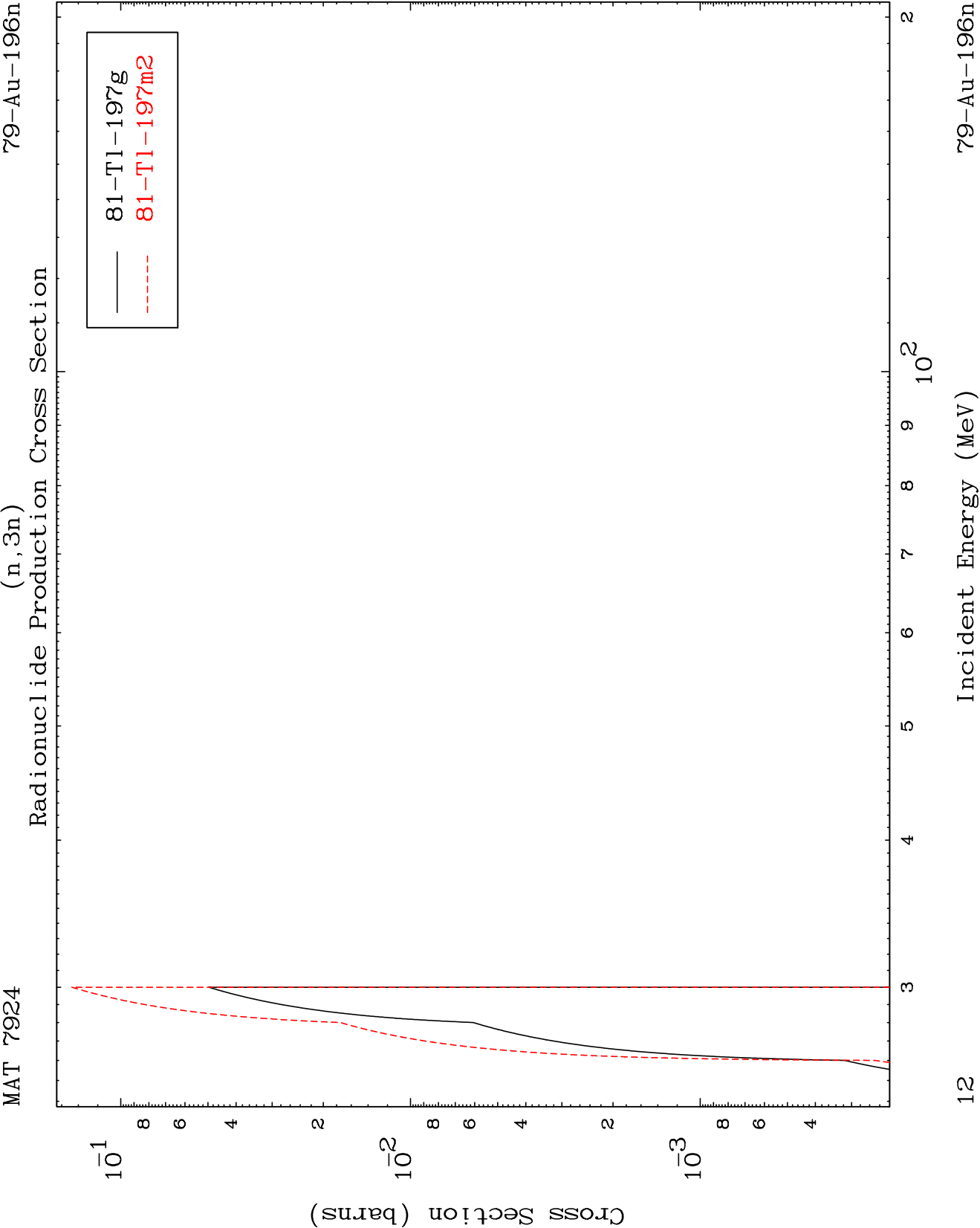
(n,2n)
Radionuclide Production Cross Section



11

Incident Energy (MeV)

⁷⁹Au-196n

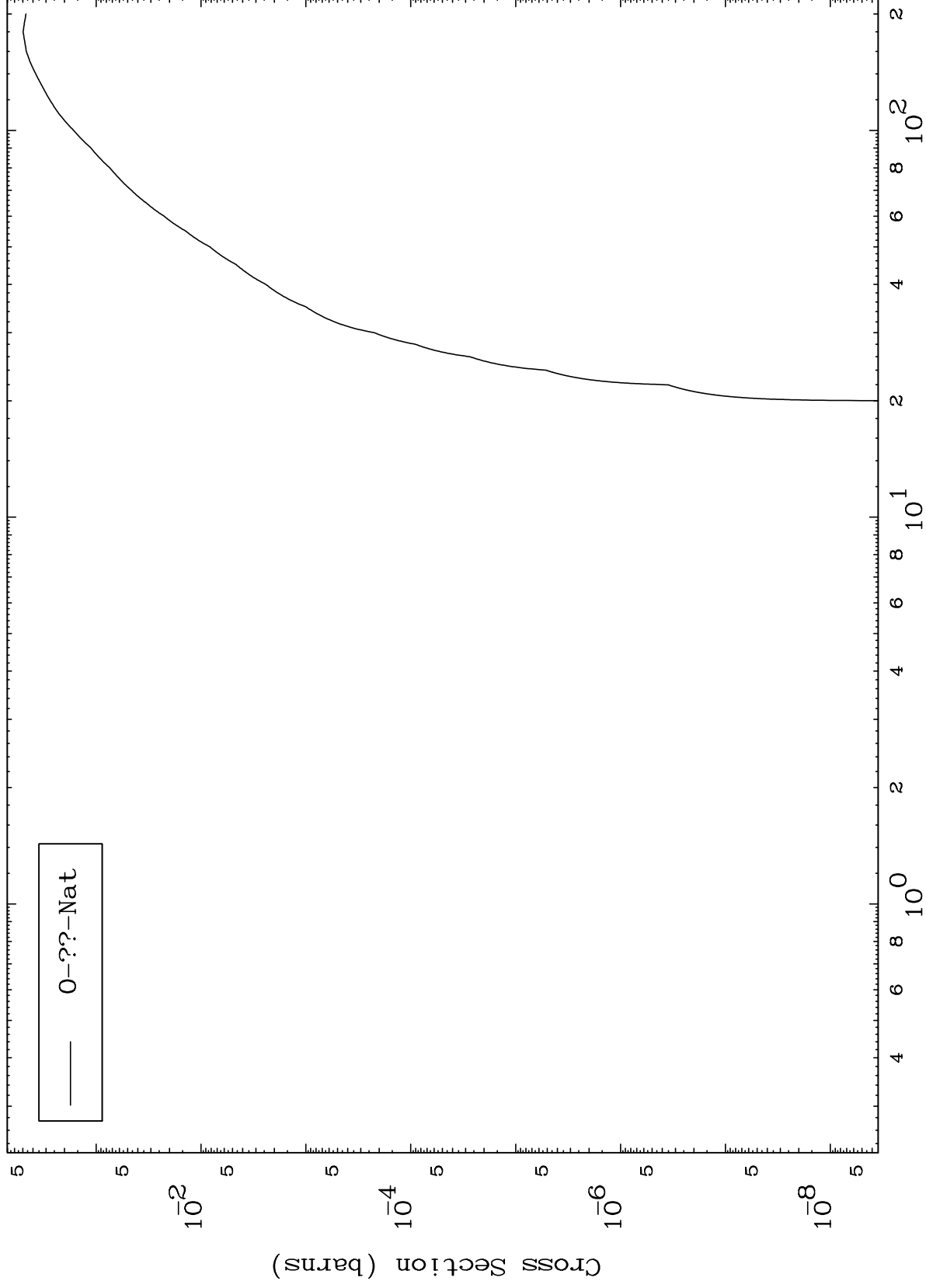


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Fission

⁷⁹Au-196n

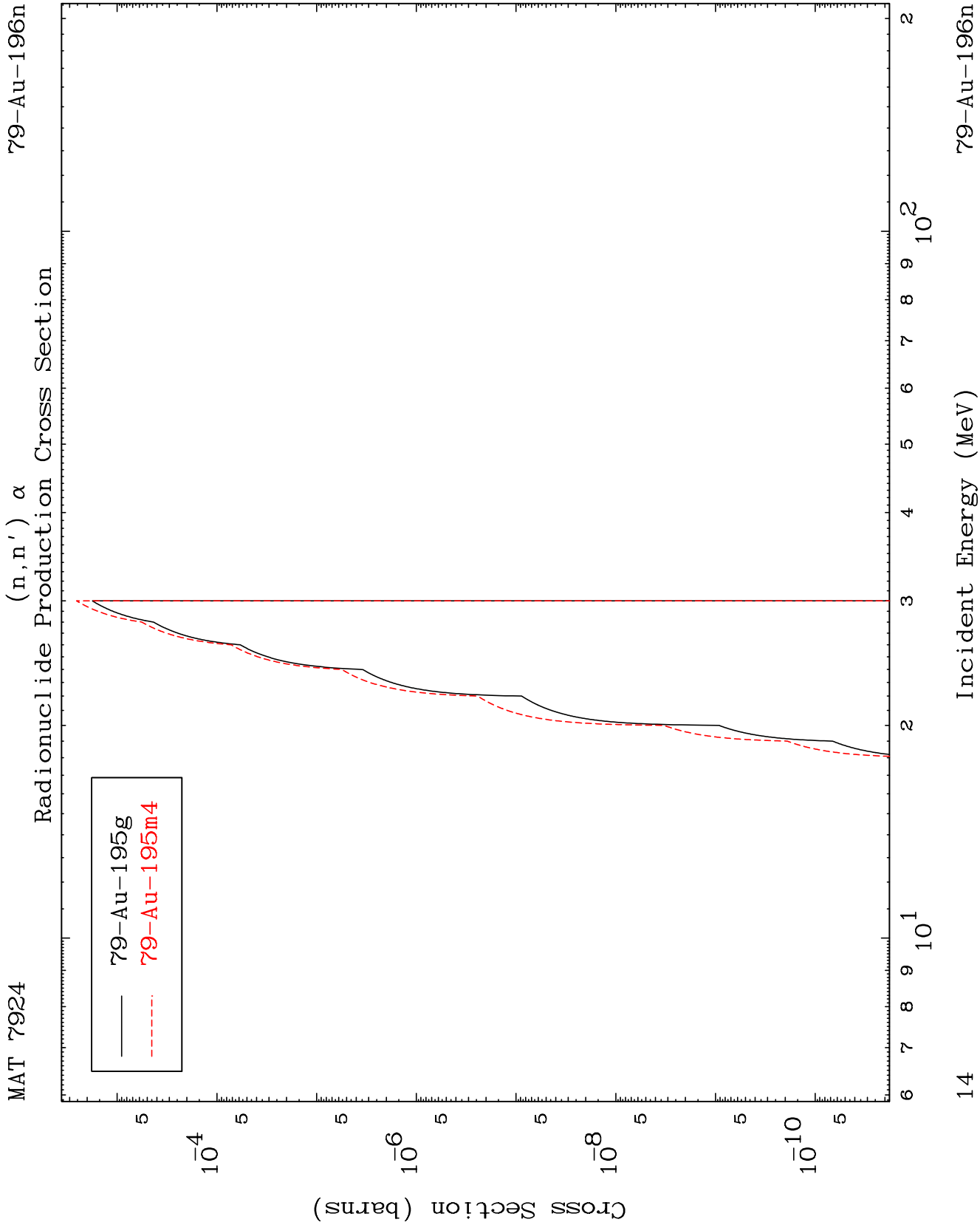
Radionuclide Production Cross Section



13

Incident Energy (MeV)

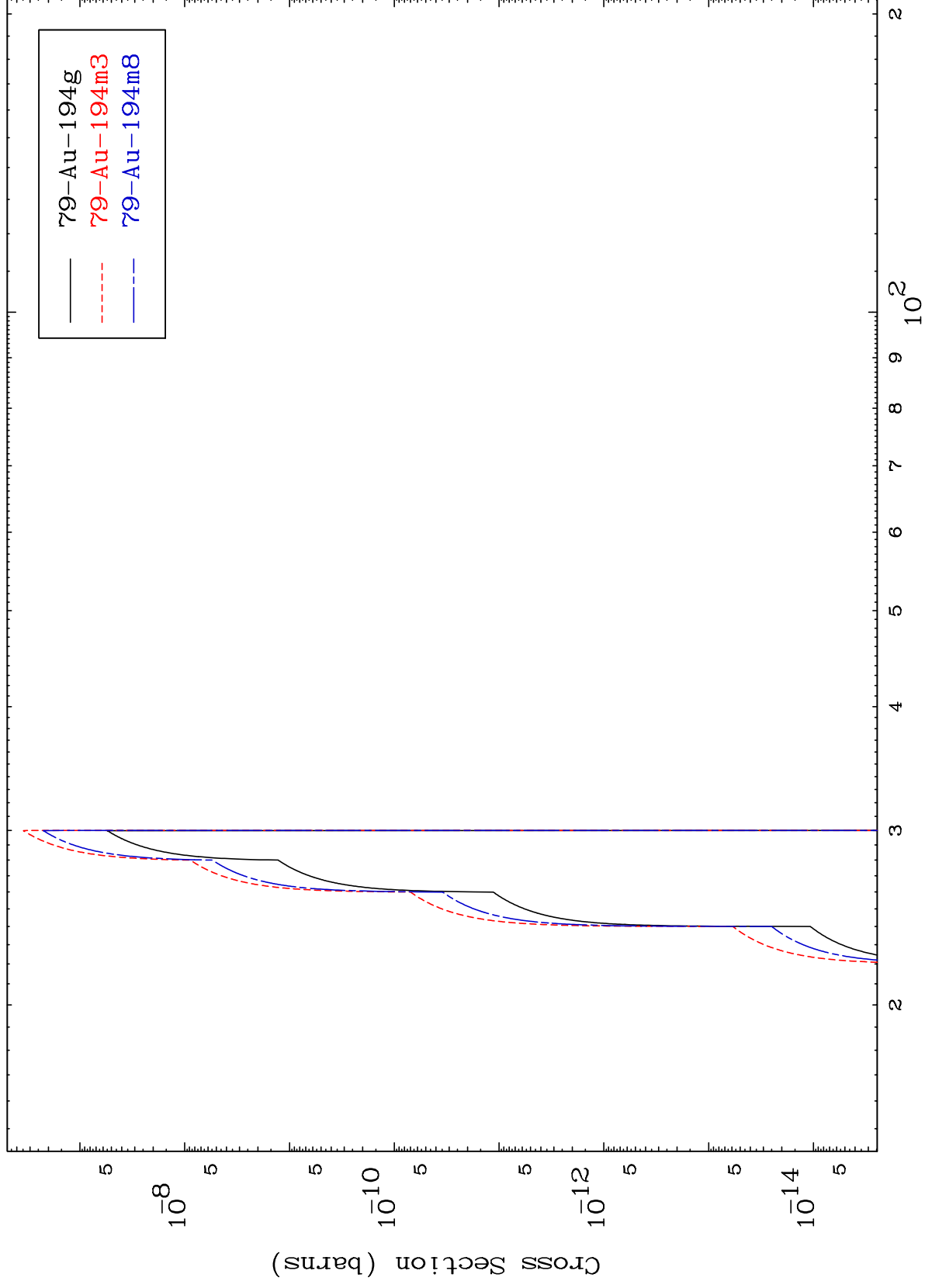
⁷⁹Au-196n



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

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



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

Incident Energy (MeV)

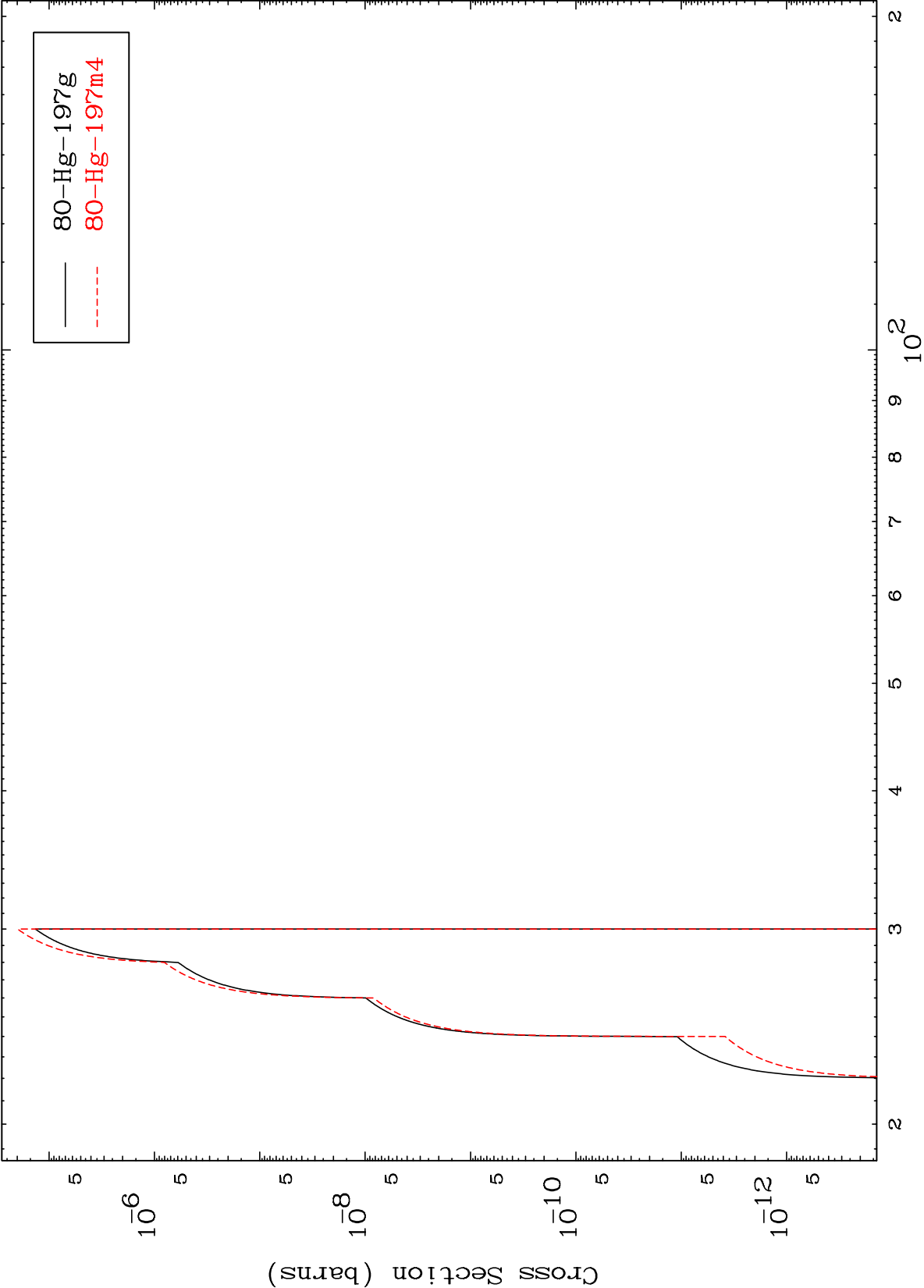
15

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(n,n') d

⁷⁹Au-¹⁹⁶n

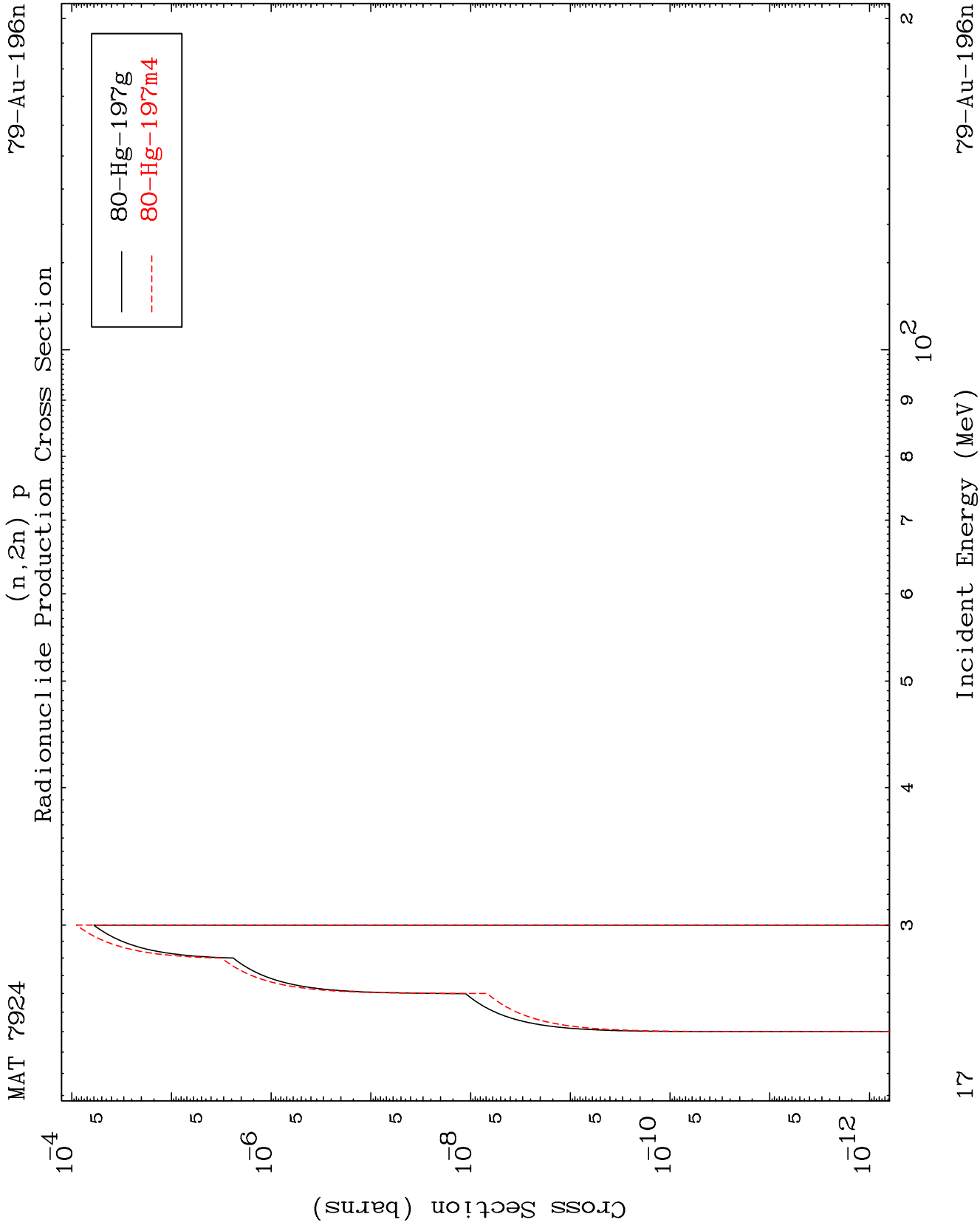
Radionuclide Production Cross Section



16

Incident Energy (MeV)

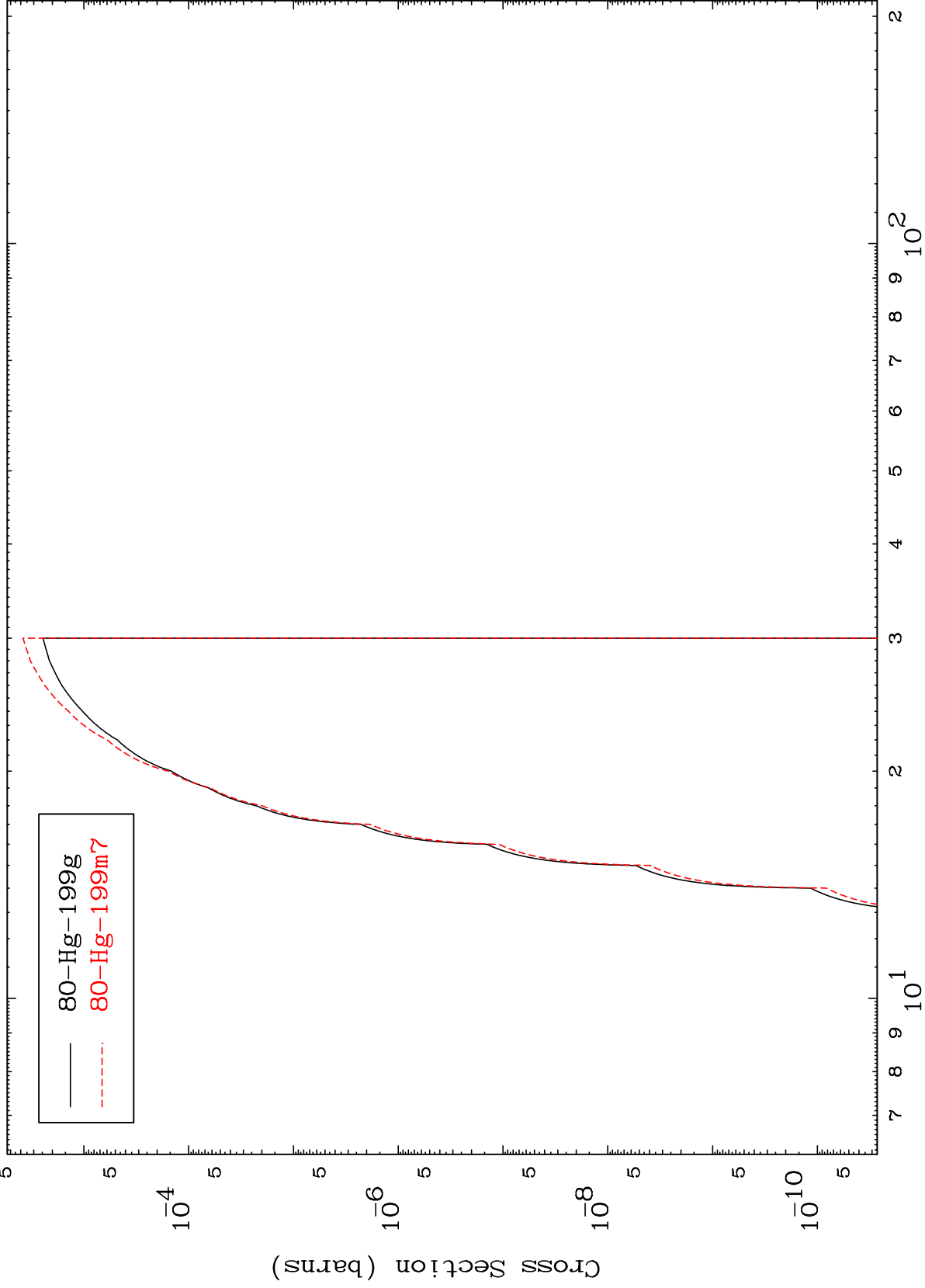
⁷⁹Au-¹⁹⁶n



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

Radionuclide Production Cross Section



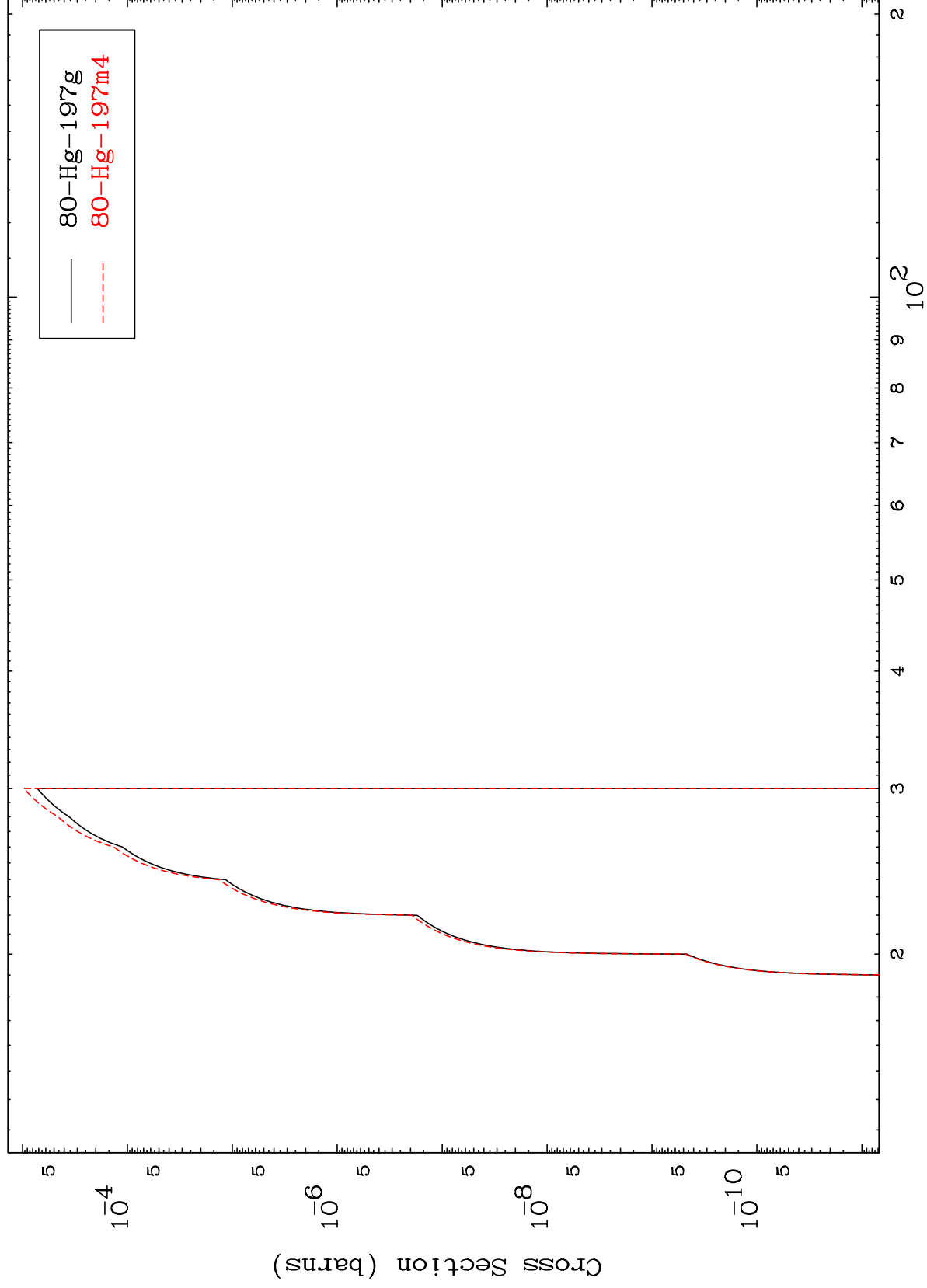
18

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

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

(n,t)
Radionuclide Production Cross Section

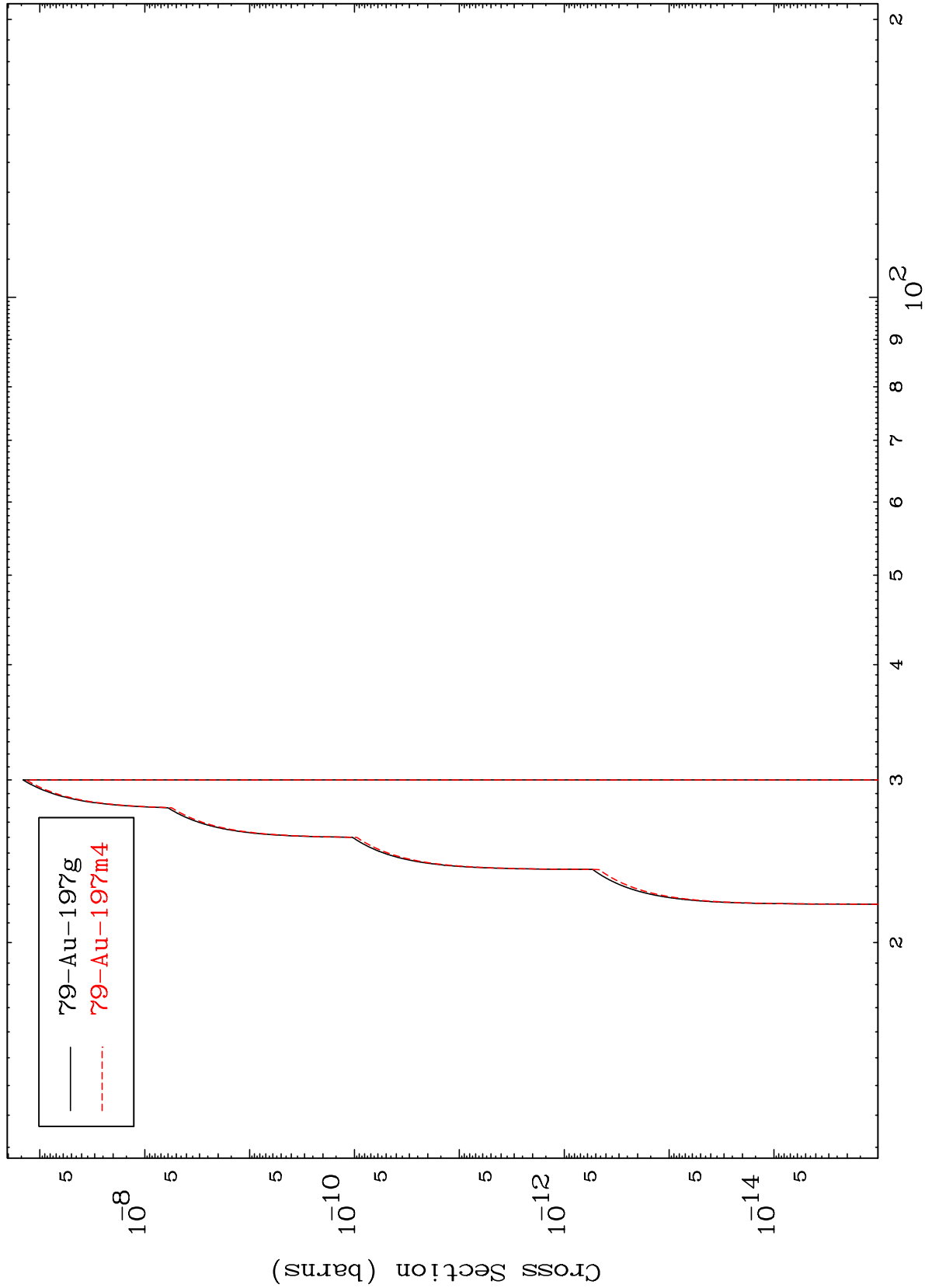


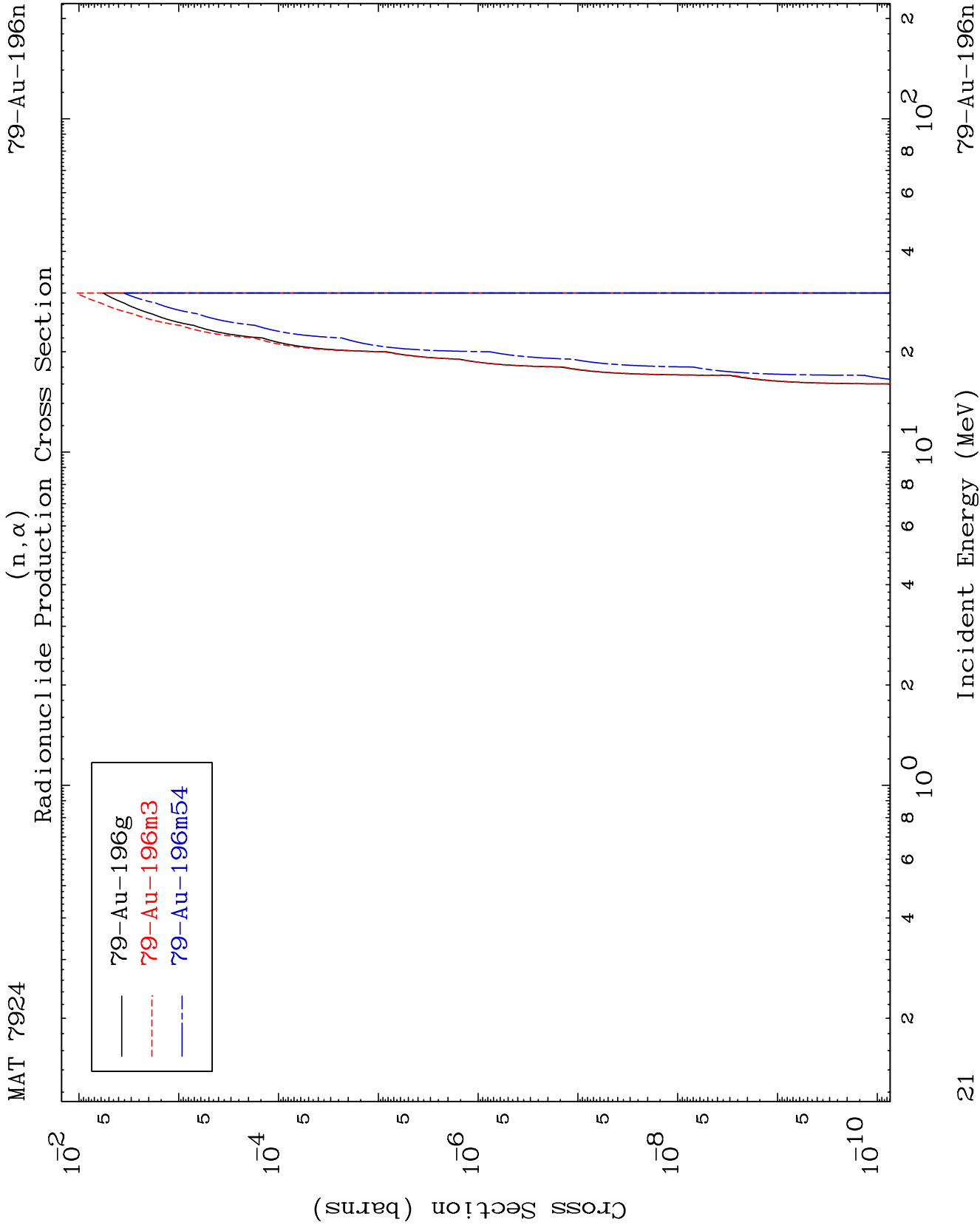
19

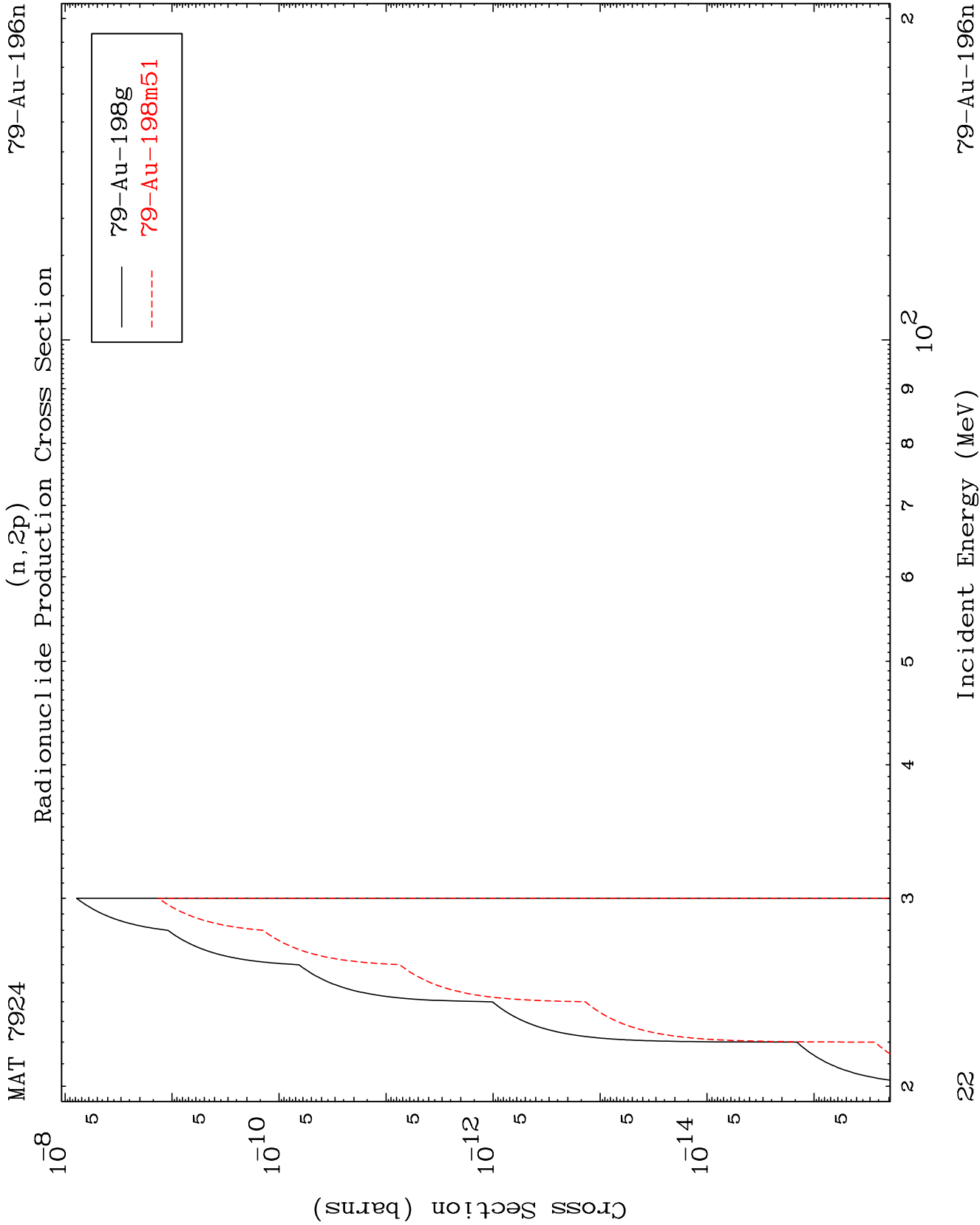
Incident Energy (MeV)

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

Radionuclide Production Cross Section



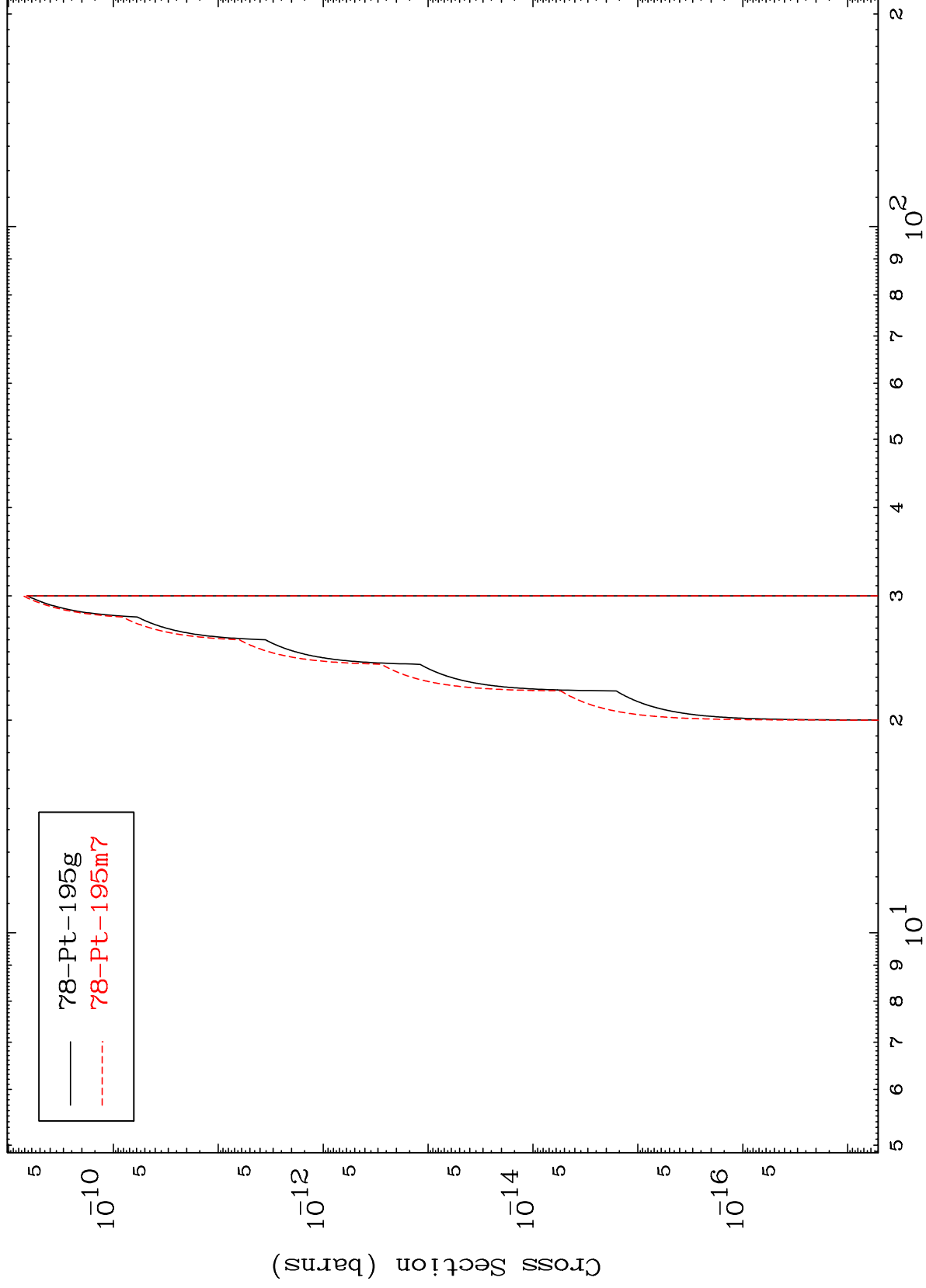




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$^{79}\text{Au}-196\text{n}$

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



23

Incident Energy (MeV)

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