

Program EVALPLOT
(Version 2021-1)

by

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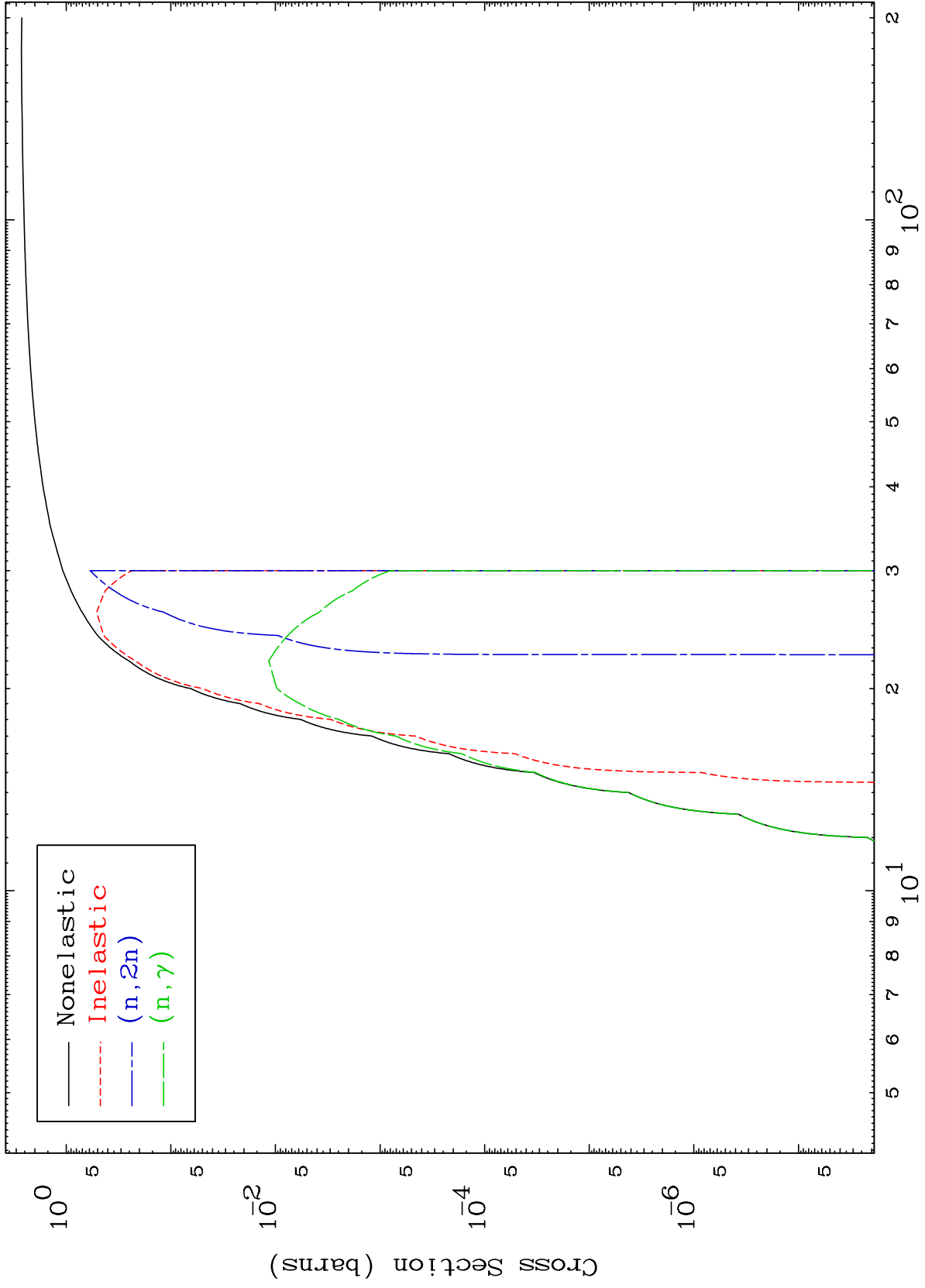
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7896

0 Kelvin Cross Sections

79-Au-187m



1

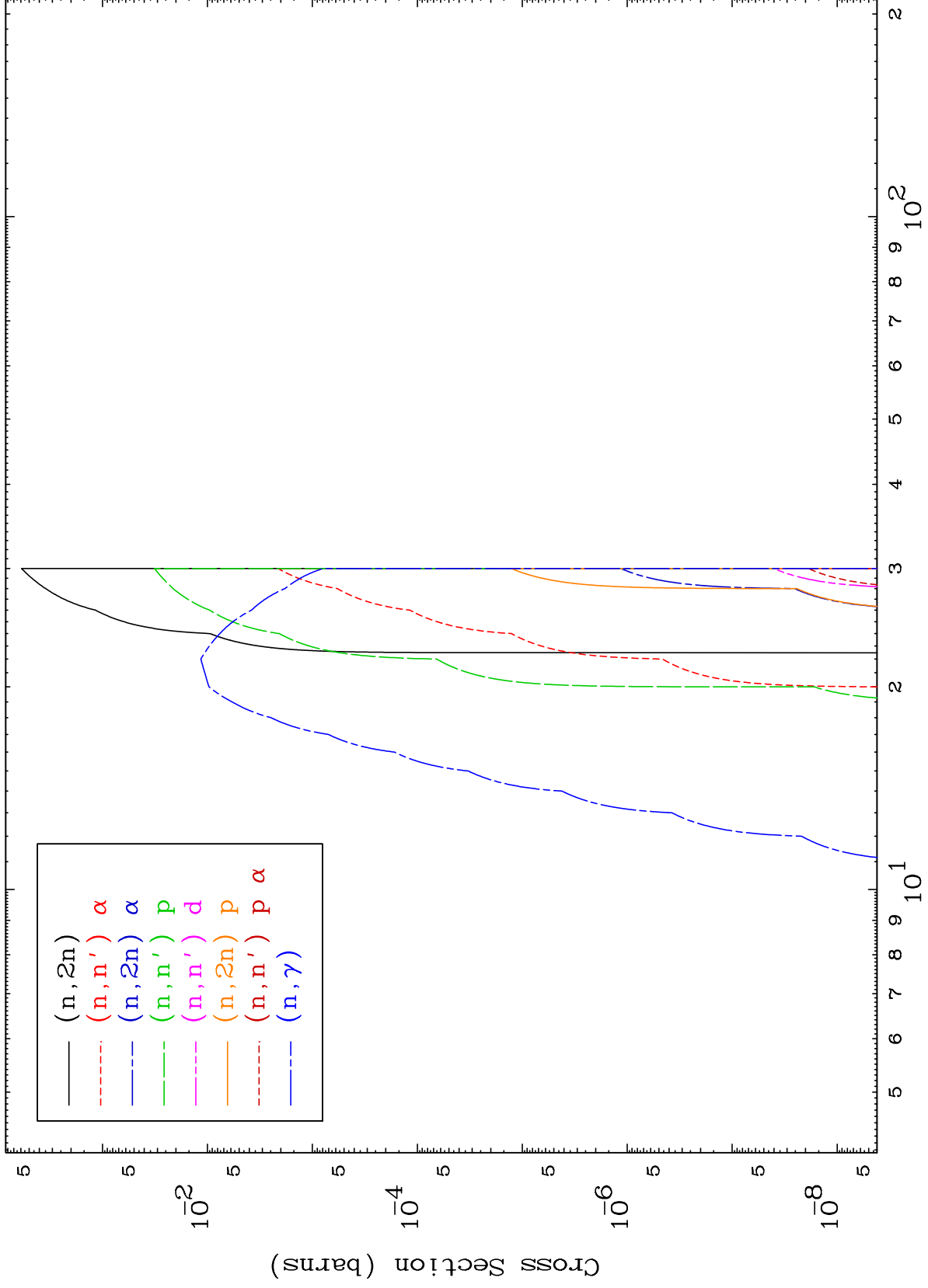
Incident Energy (MeV)

79-Au-187m

MAT 7896

α Neutron Absorption
0 Kelvin Cross Sections

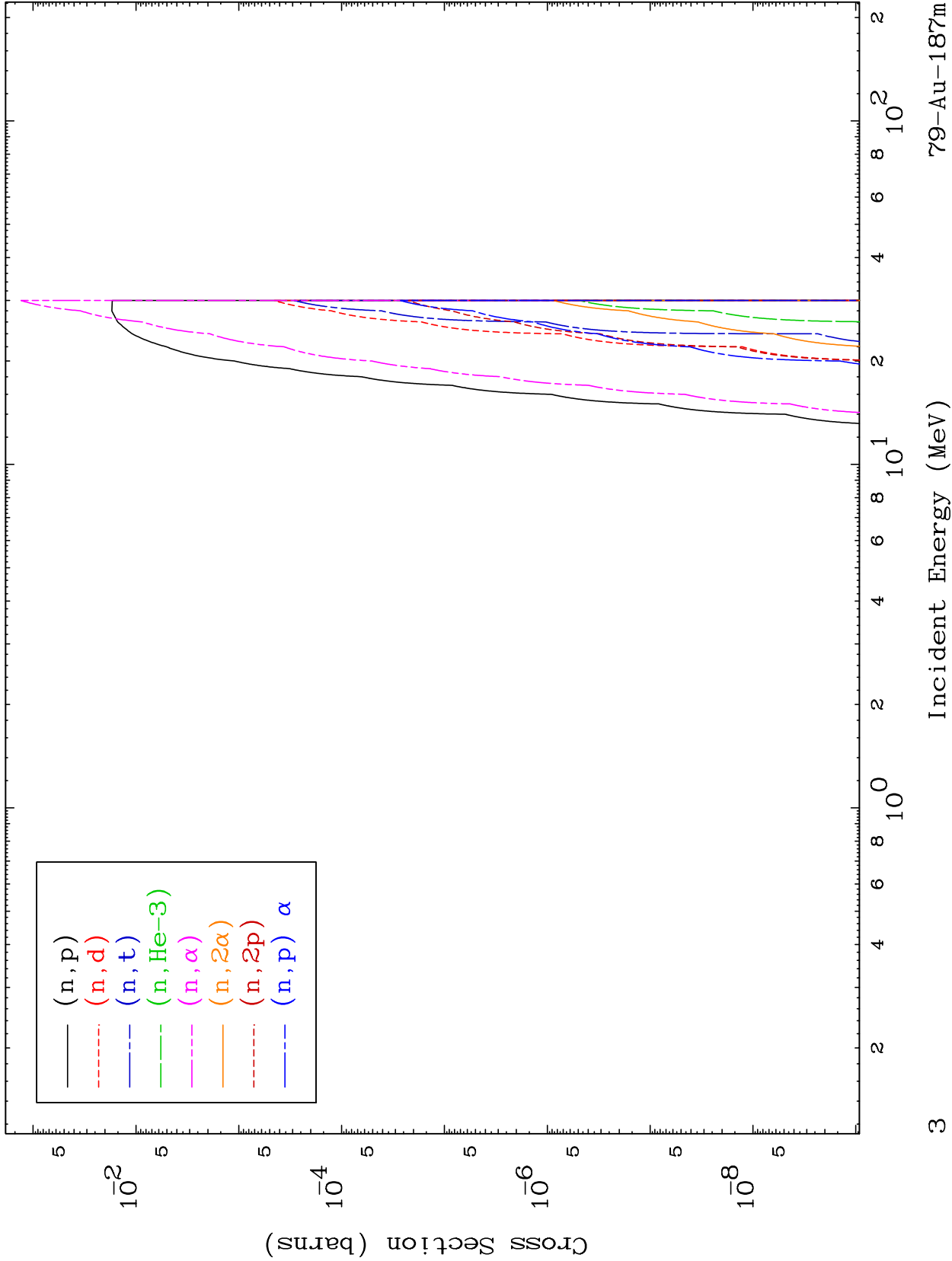
$^{79}\text{Au}-187\text{m}$

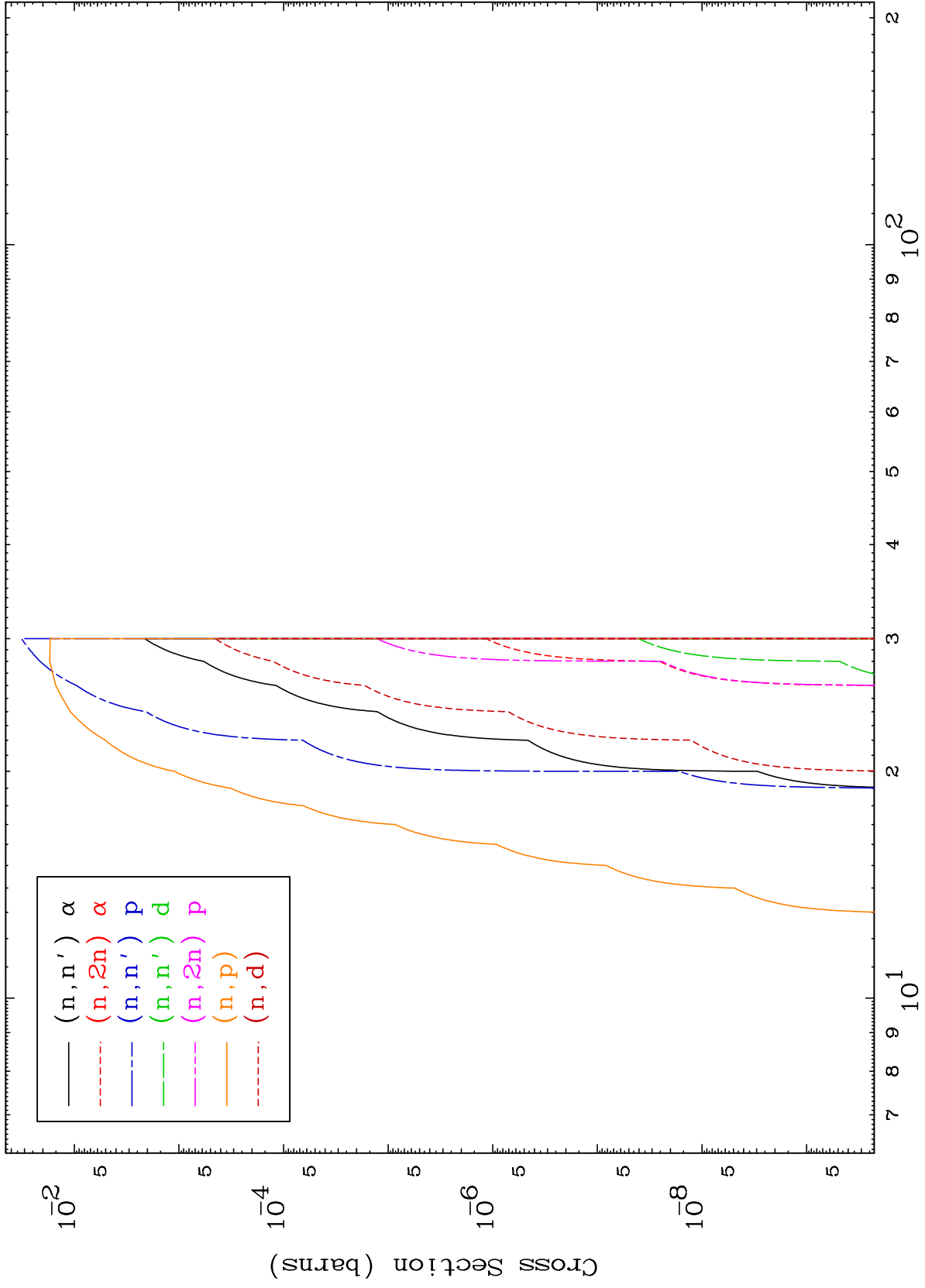


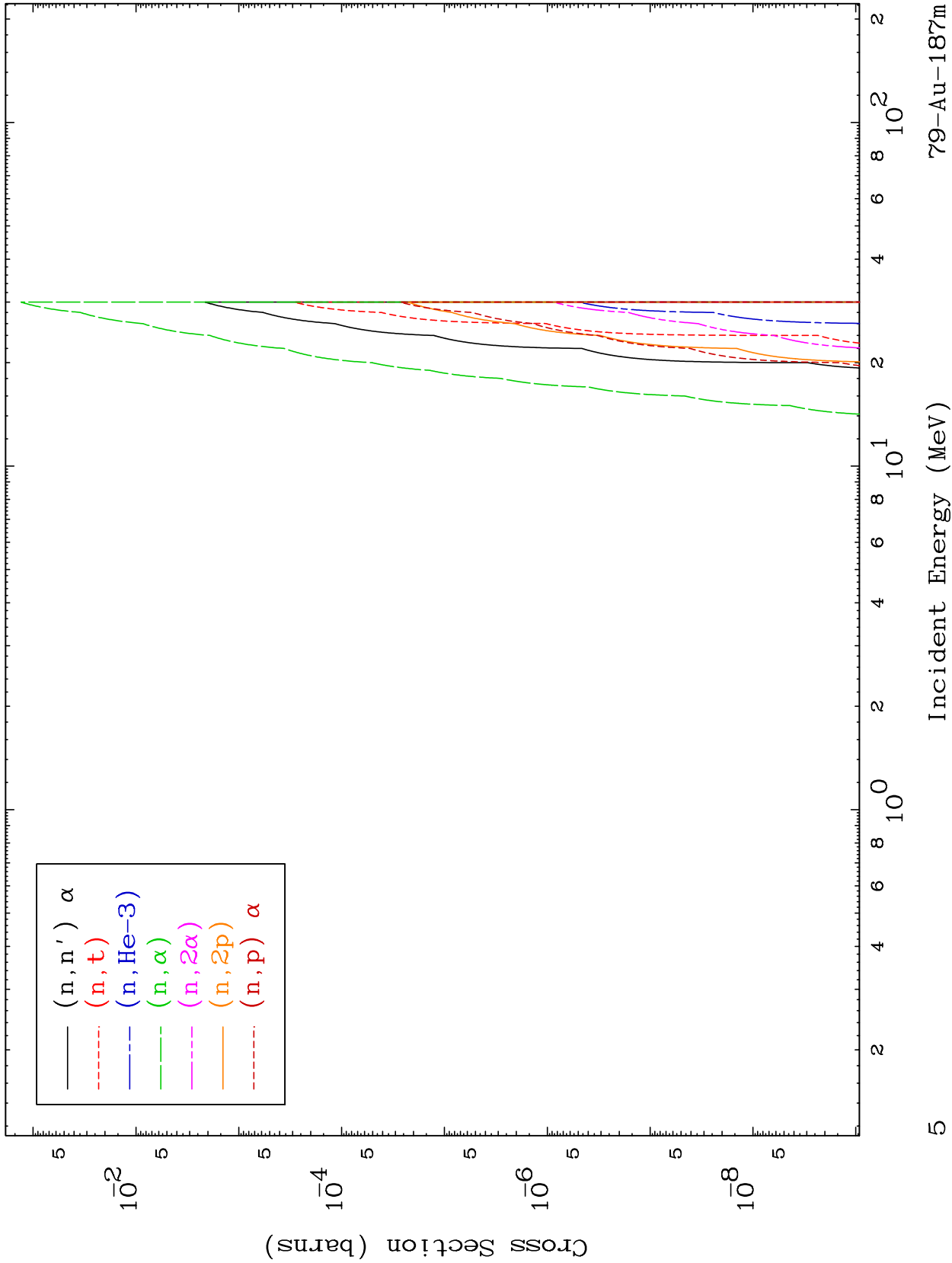
MAT 7896

α Neutron Absorption
0 Kelvin Cross Sections

⁷⁹Au-187m



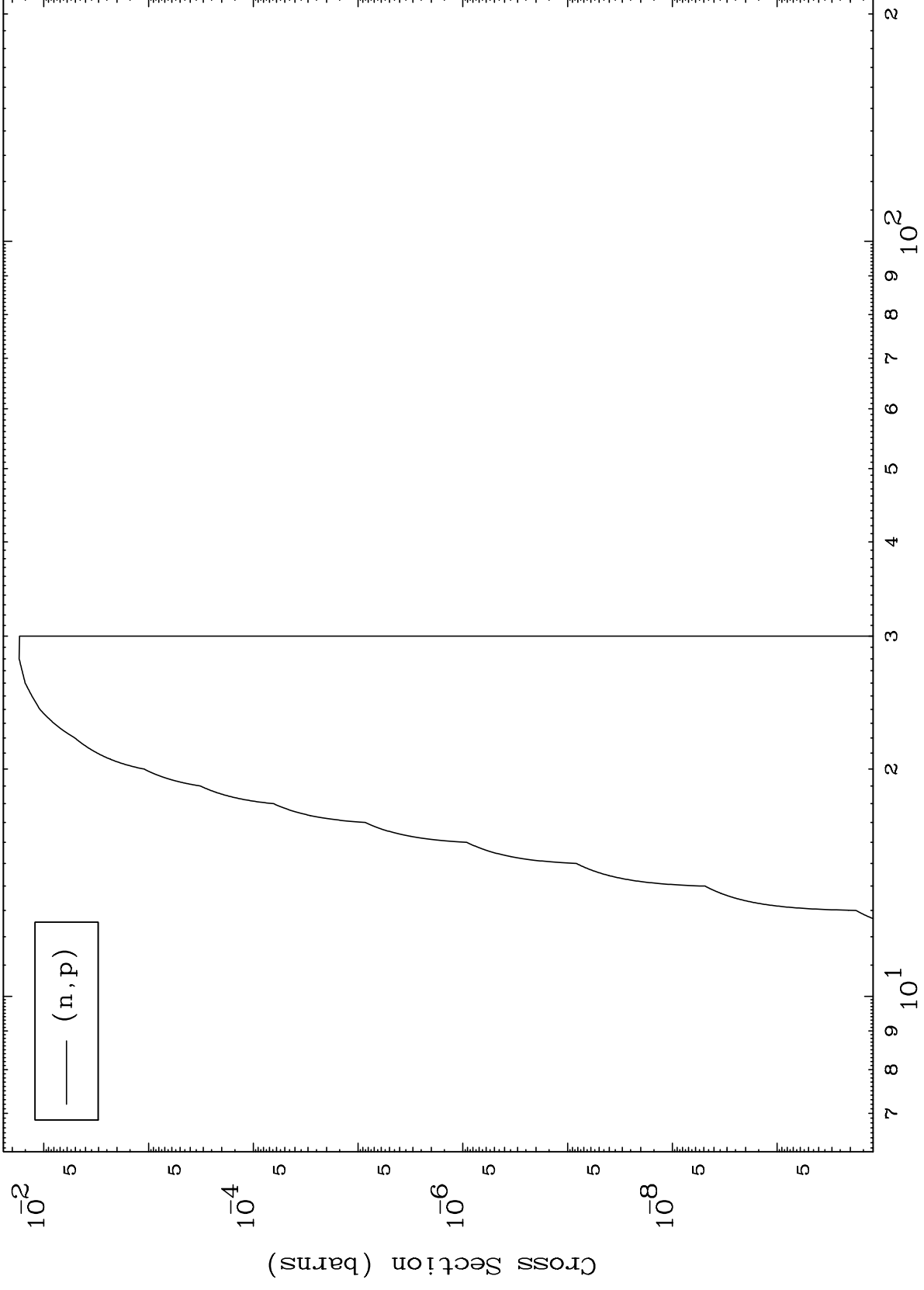




MAT 7896

(α, p) Levels
0 Kelvin Cross Sections

⁷⁹Au-187m



6

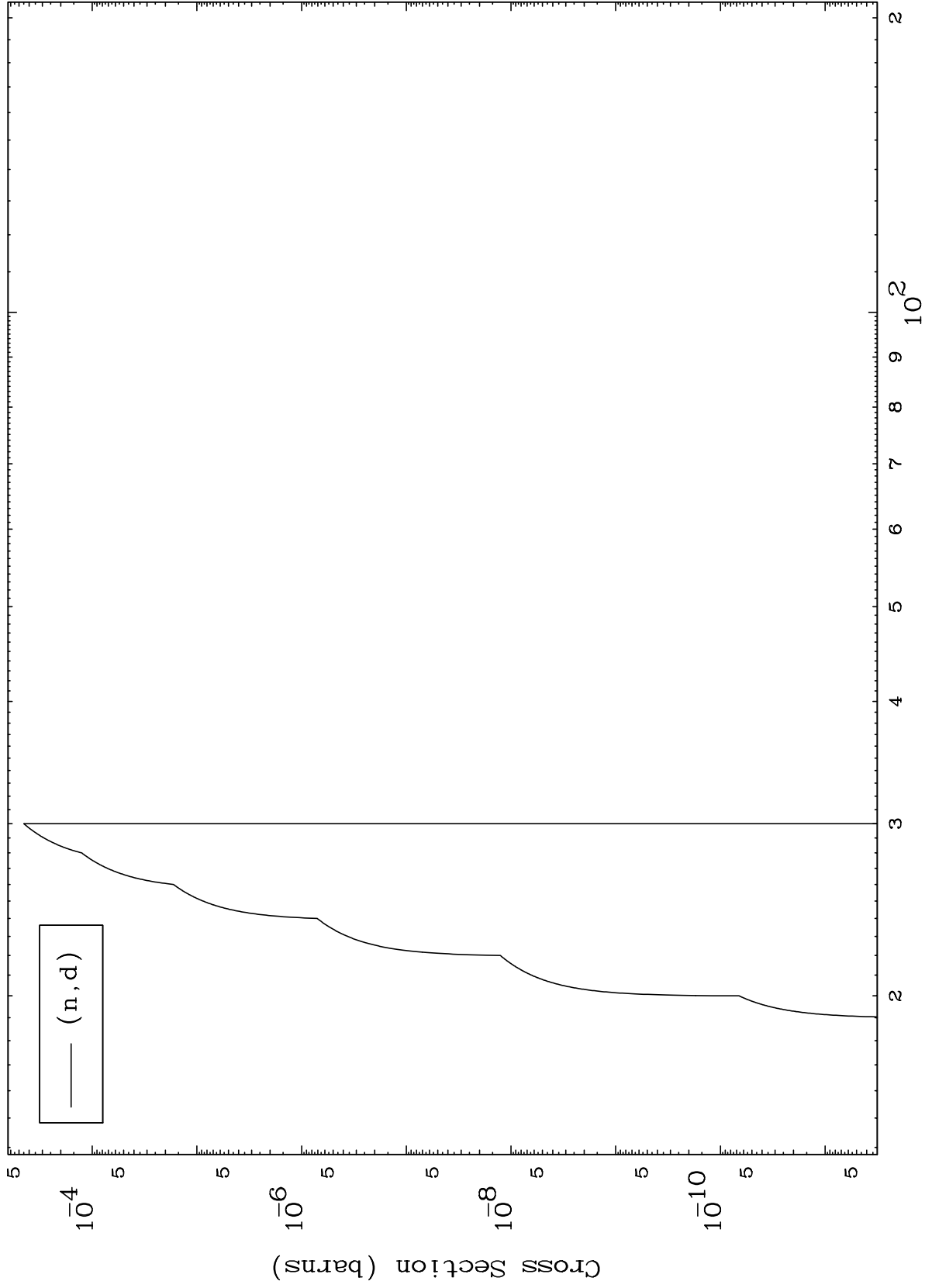
Incident Energy (MeV)

⁷⁹Au-187m

MAT 7896

(α, d) Levels
0 Kelvin Cross Sections

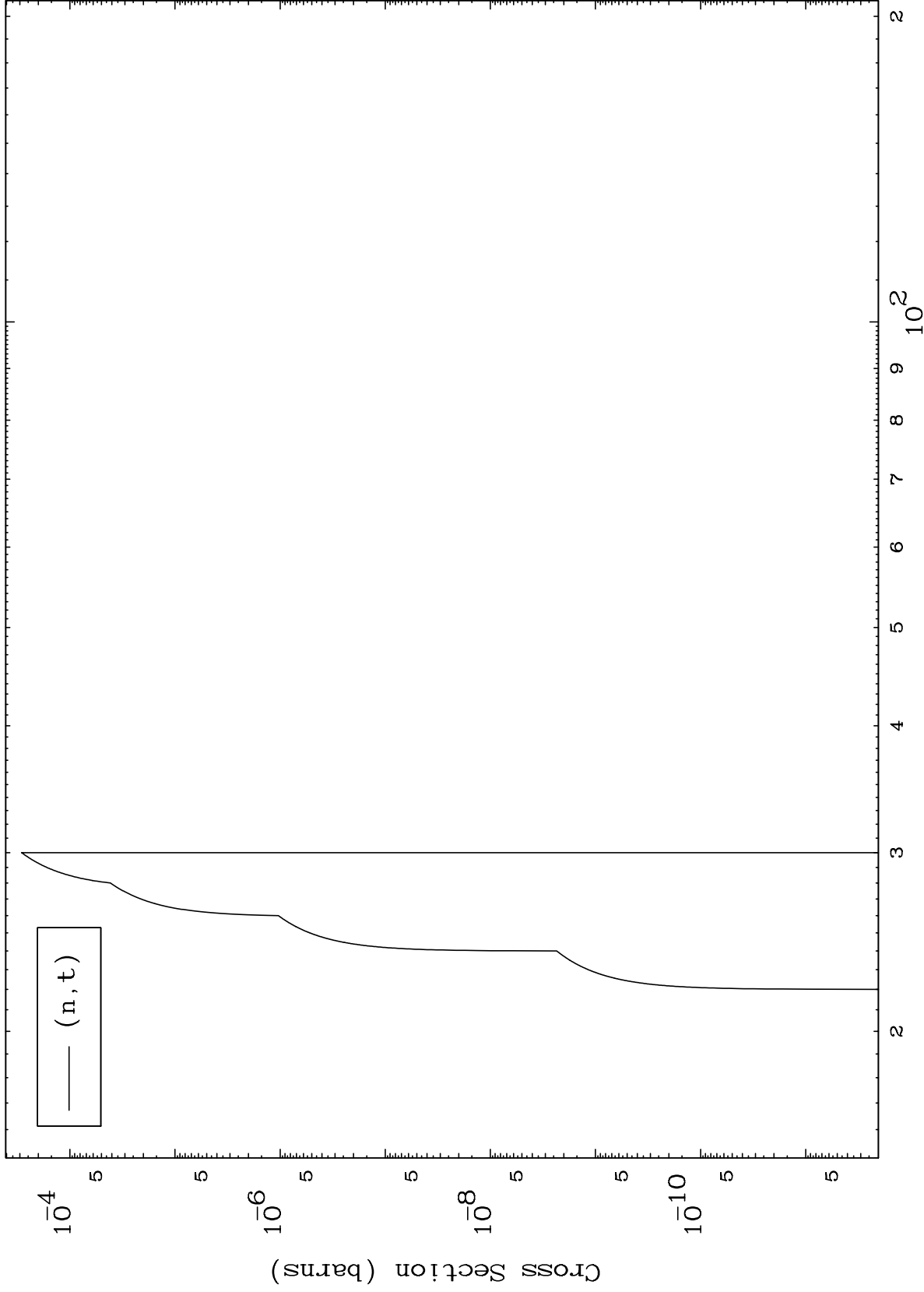
$^{79}\text{Au-187m}$



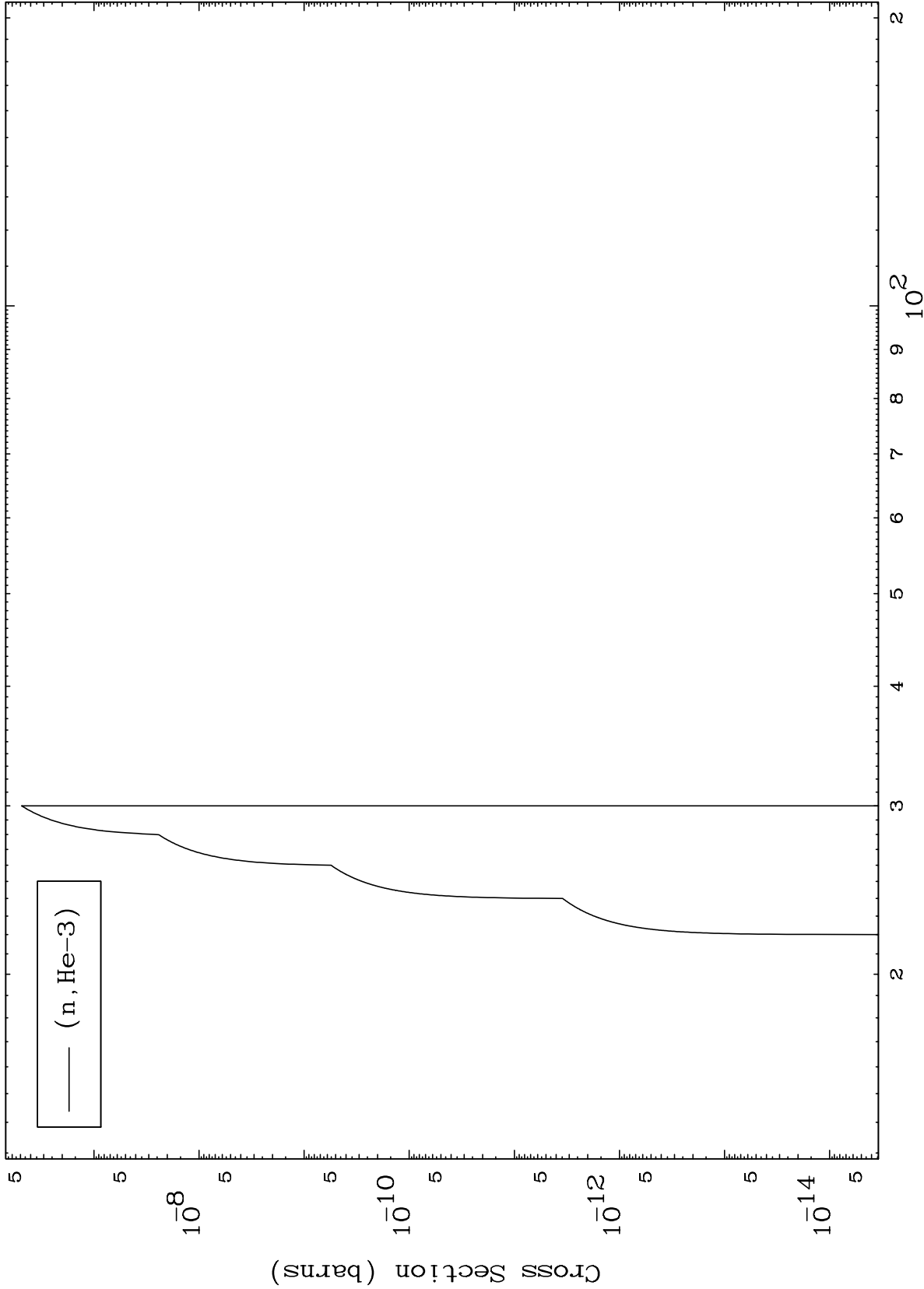
7

Incident Energy (MeV)

$^{79}\text{Au-187m}$



0 Kelvin Cross Sections

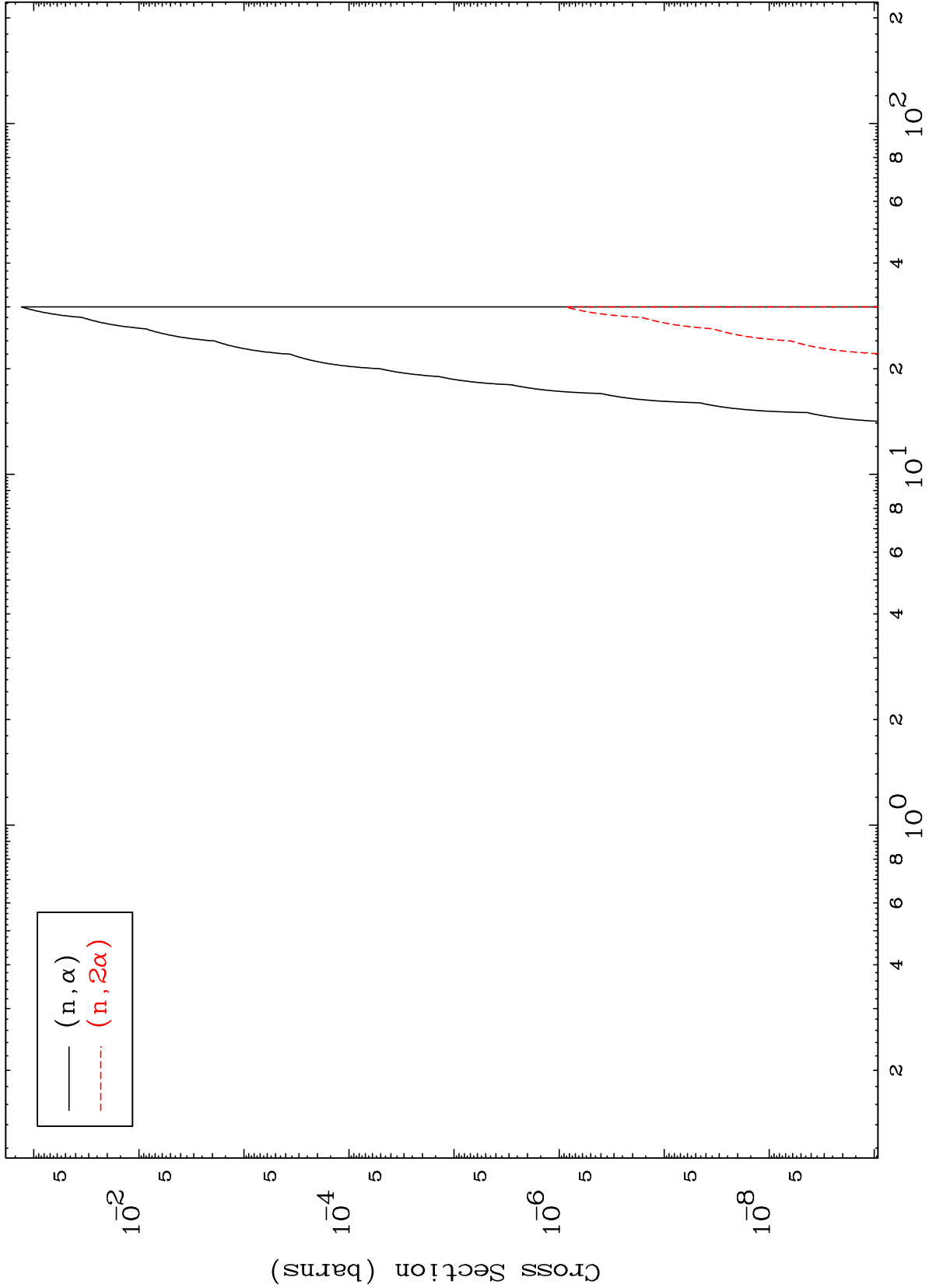


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(α, α) Levels

$^{79}\text{Au-187m}$

0 Kelvin Cross Sections



10

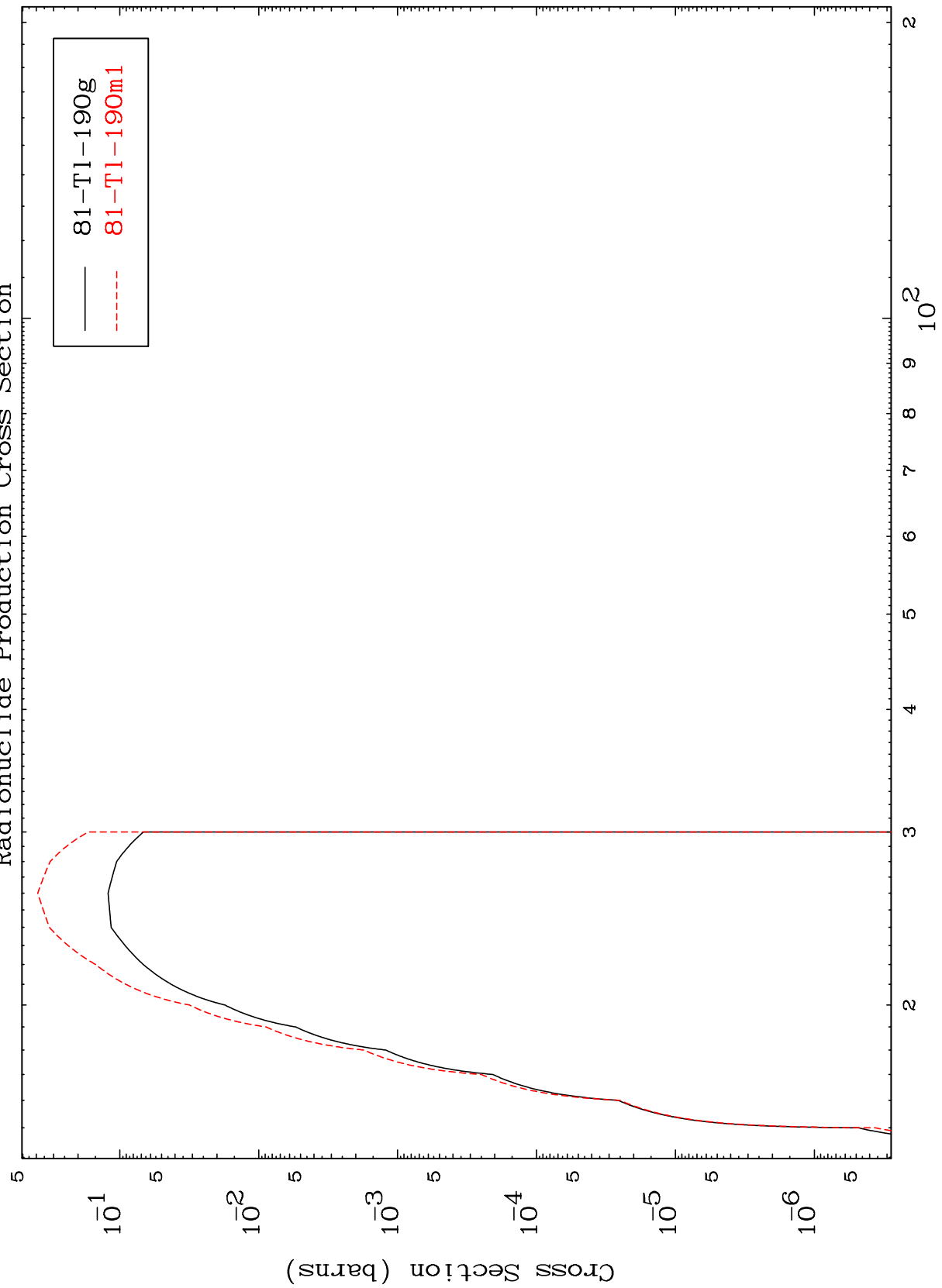
Incident Energy (MeV)

$^{79}\text{Au-187m}$

MAT 7896

⁷⁹Au-187m

Inelastic
Radionuclide Production Cross Section

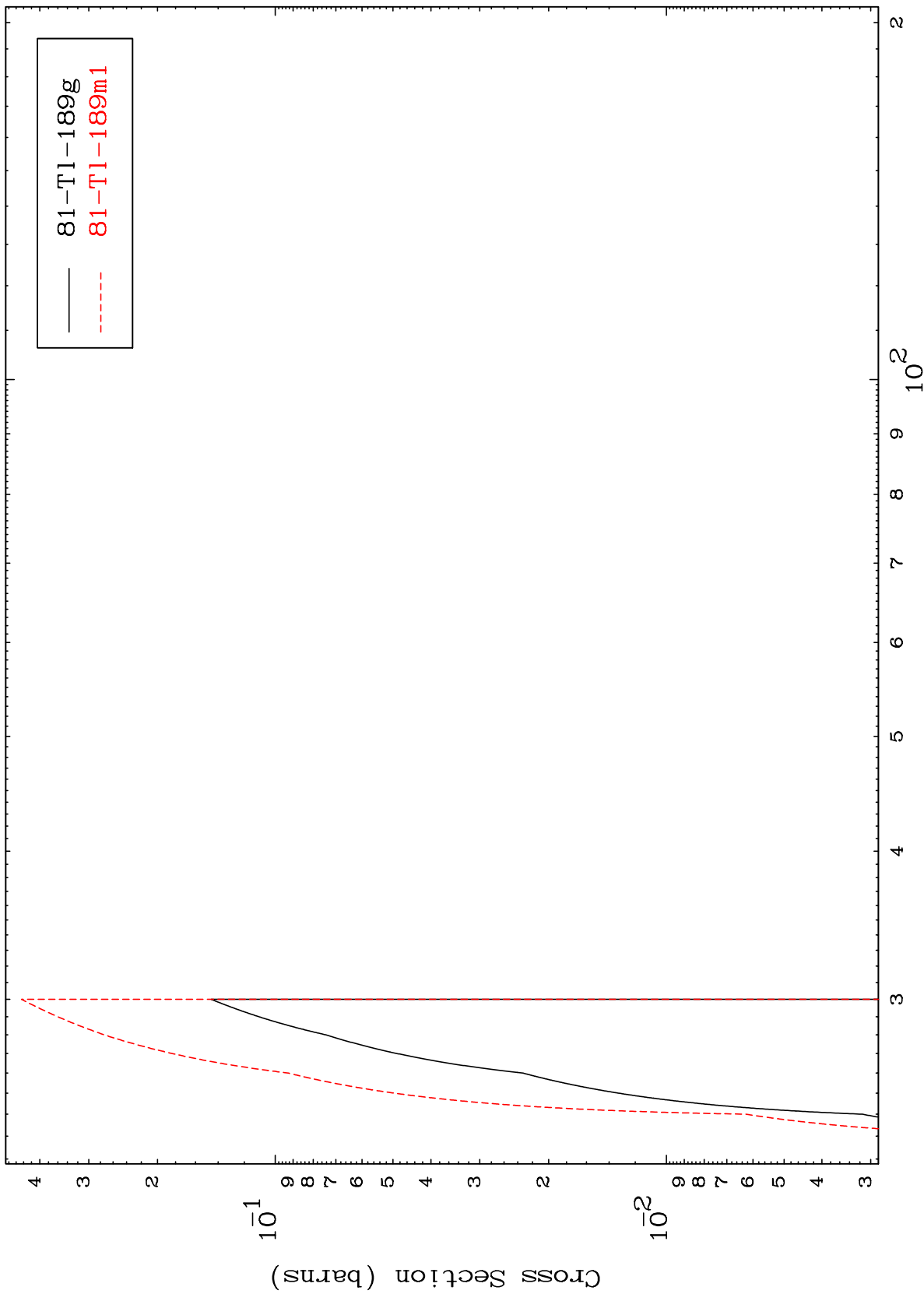


81-Tl-190g
81-Tl-190m1

MAT 7896

⁷⁹Au-¹⁸⁷m

(n,2n)
Radionuclide Production Cross Section



12

Incident Energy (MeV)

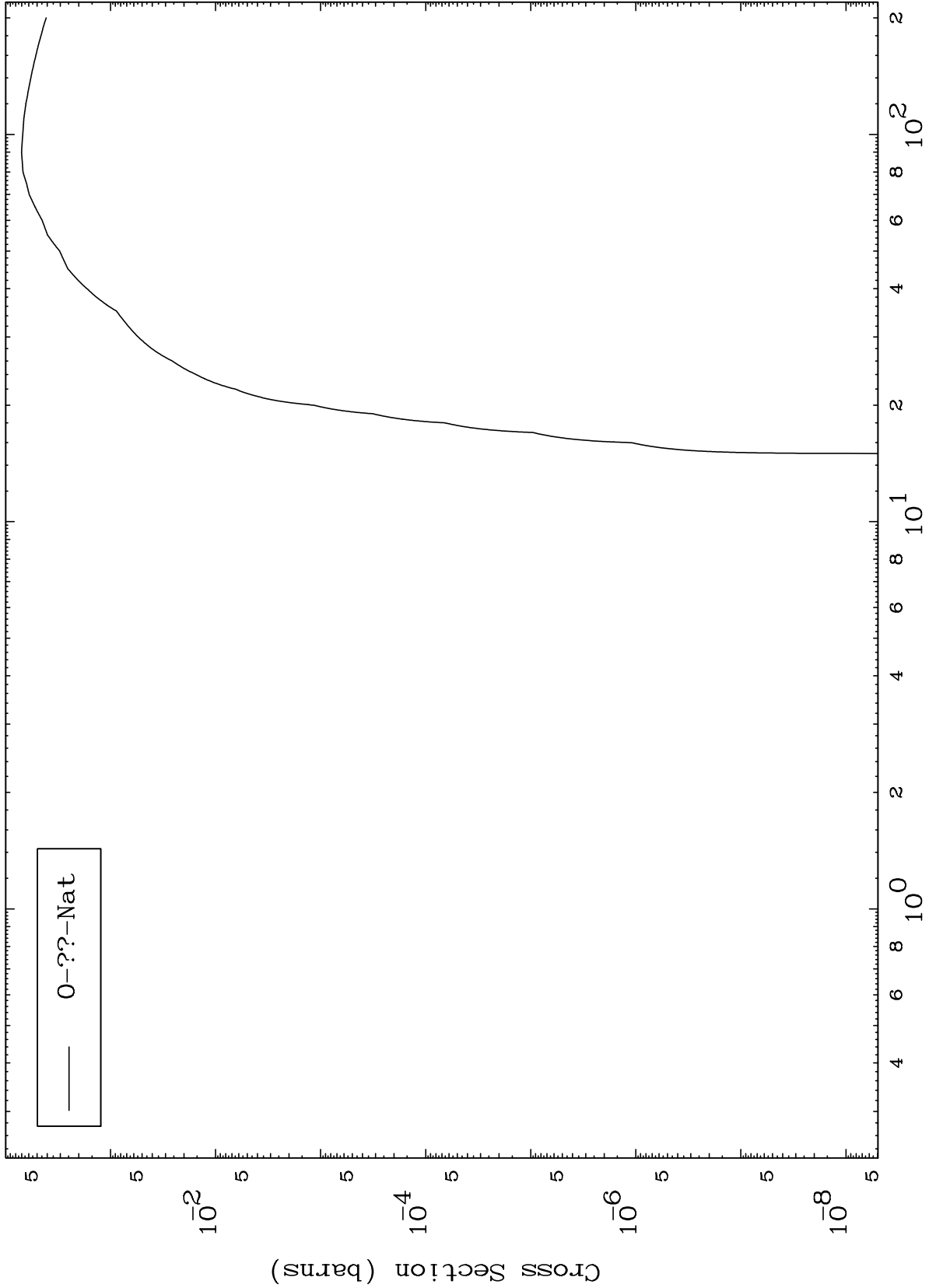
⁷⁹Au-¹⁸⁷m

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Fission

⁷⁹Au-187m

Radionuclide Production Cross Section

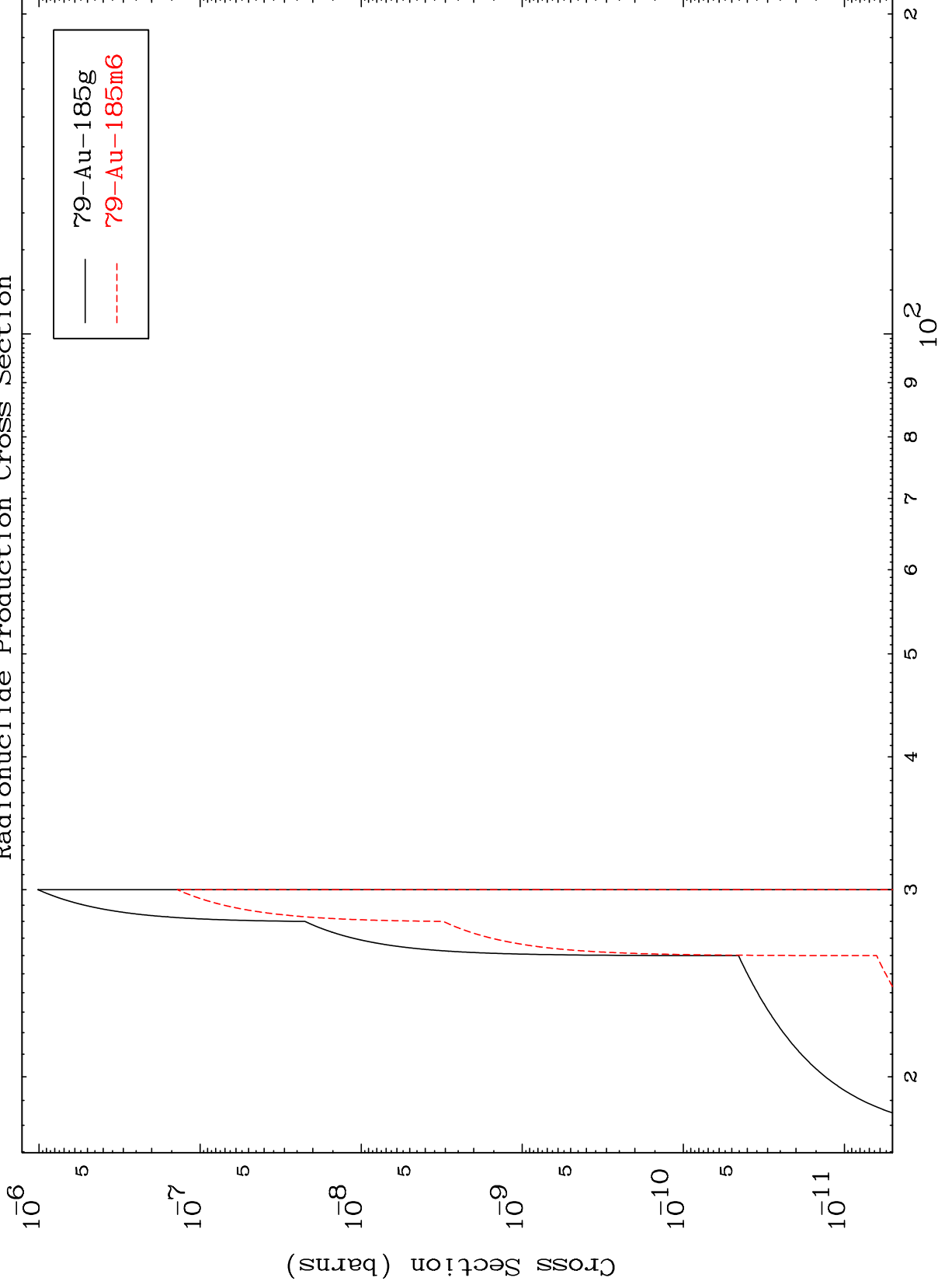


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$(n,2n) \alpha$

⁷⁹Au-187m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

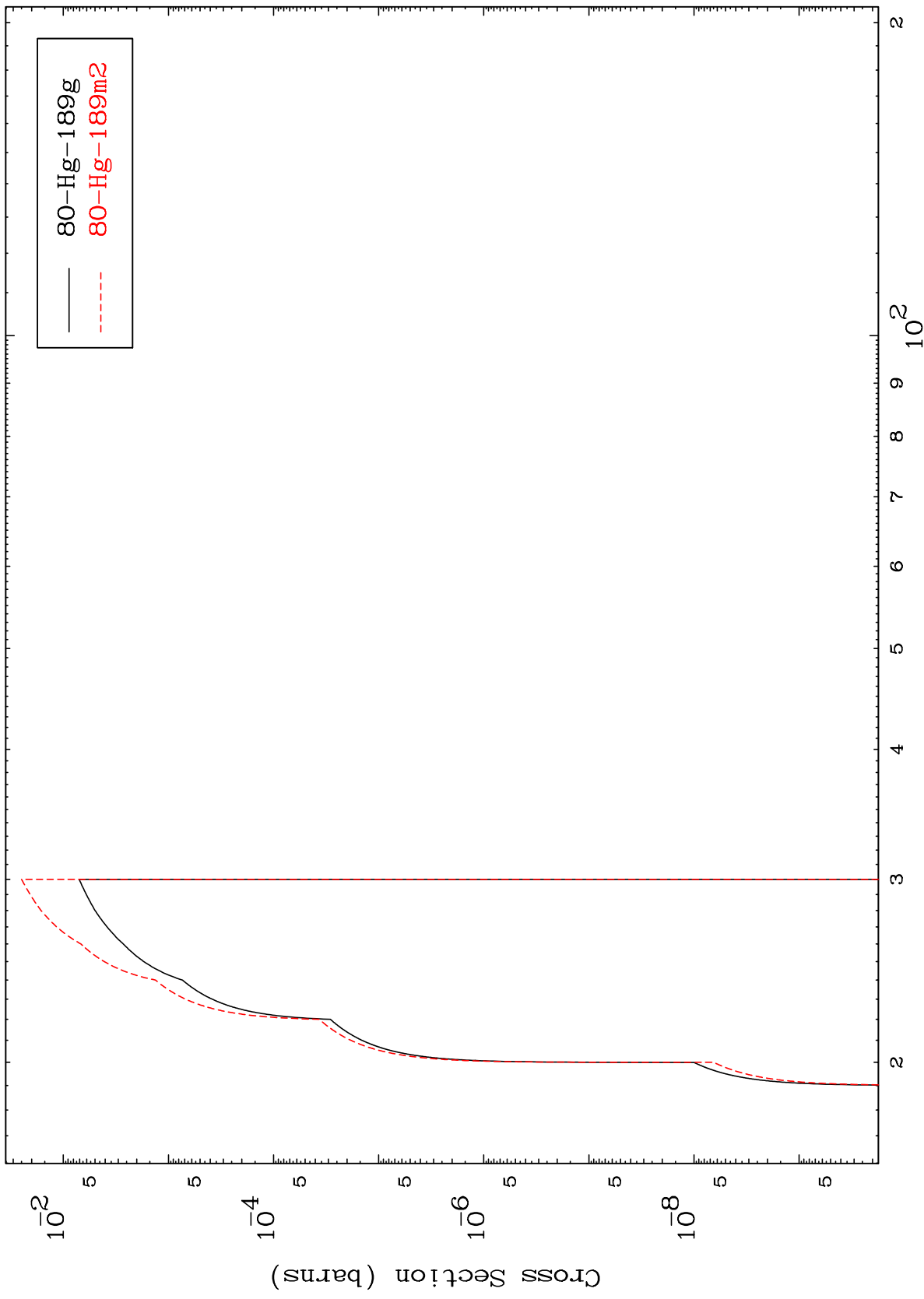
⁷⁹Au-187m

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(n,n') p

79-Au-187m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

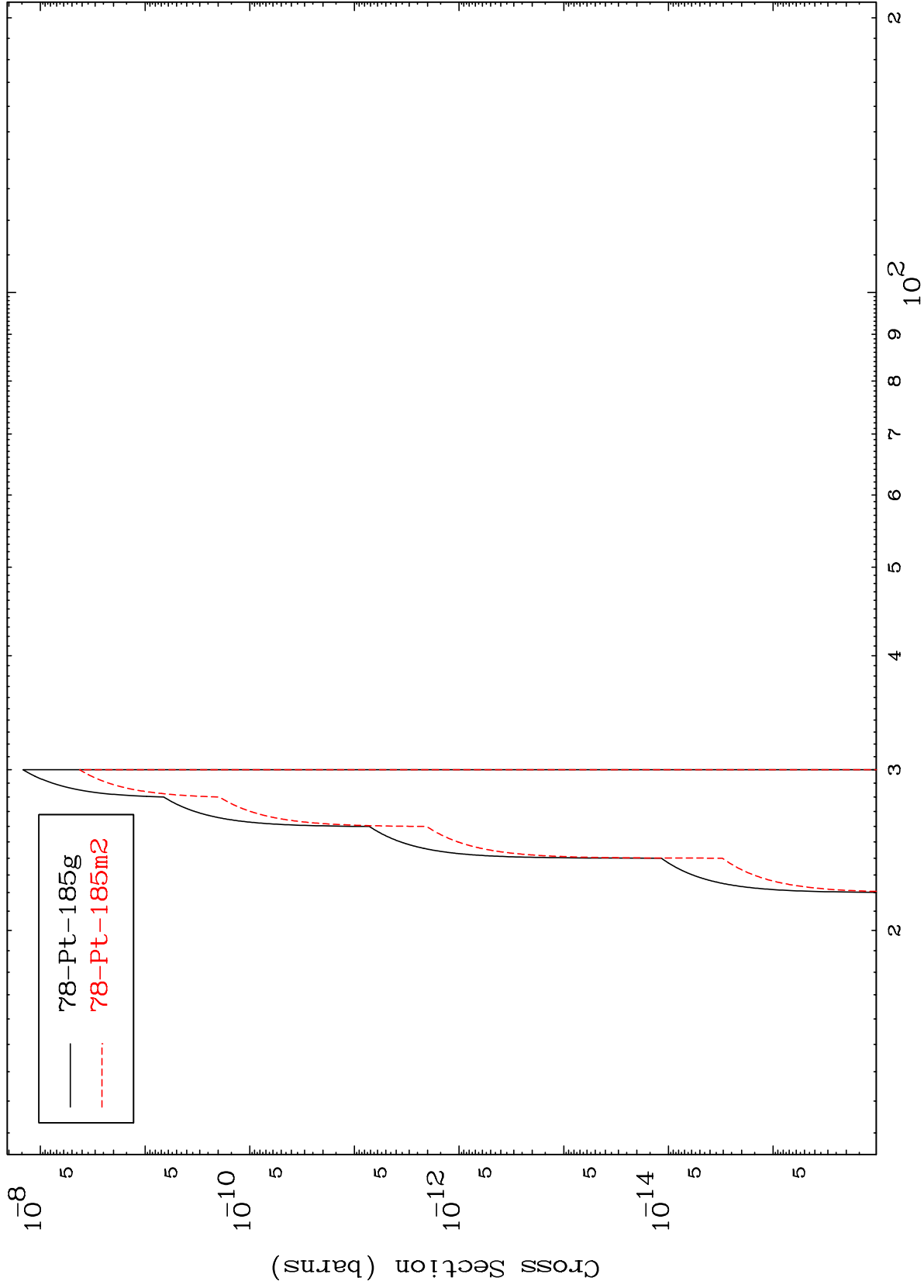
79-Au-187m

MAT 7896

(n,n') p α

79-Au-187m

Radionuclide Production Cross Section



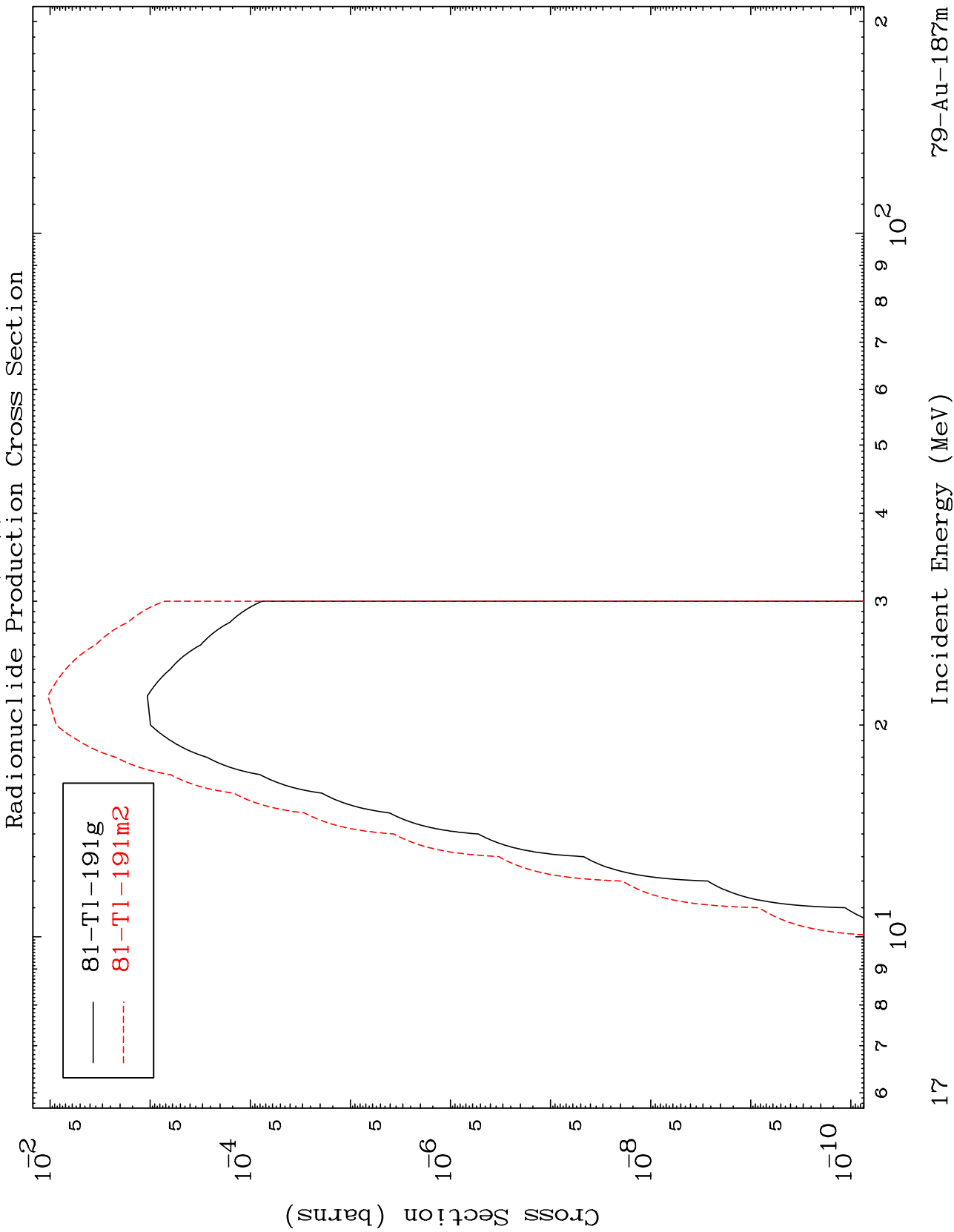
16

Incident Energy (MeV)

79-Au-187m

MAT 7896

⁷⁹Au-187m



17

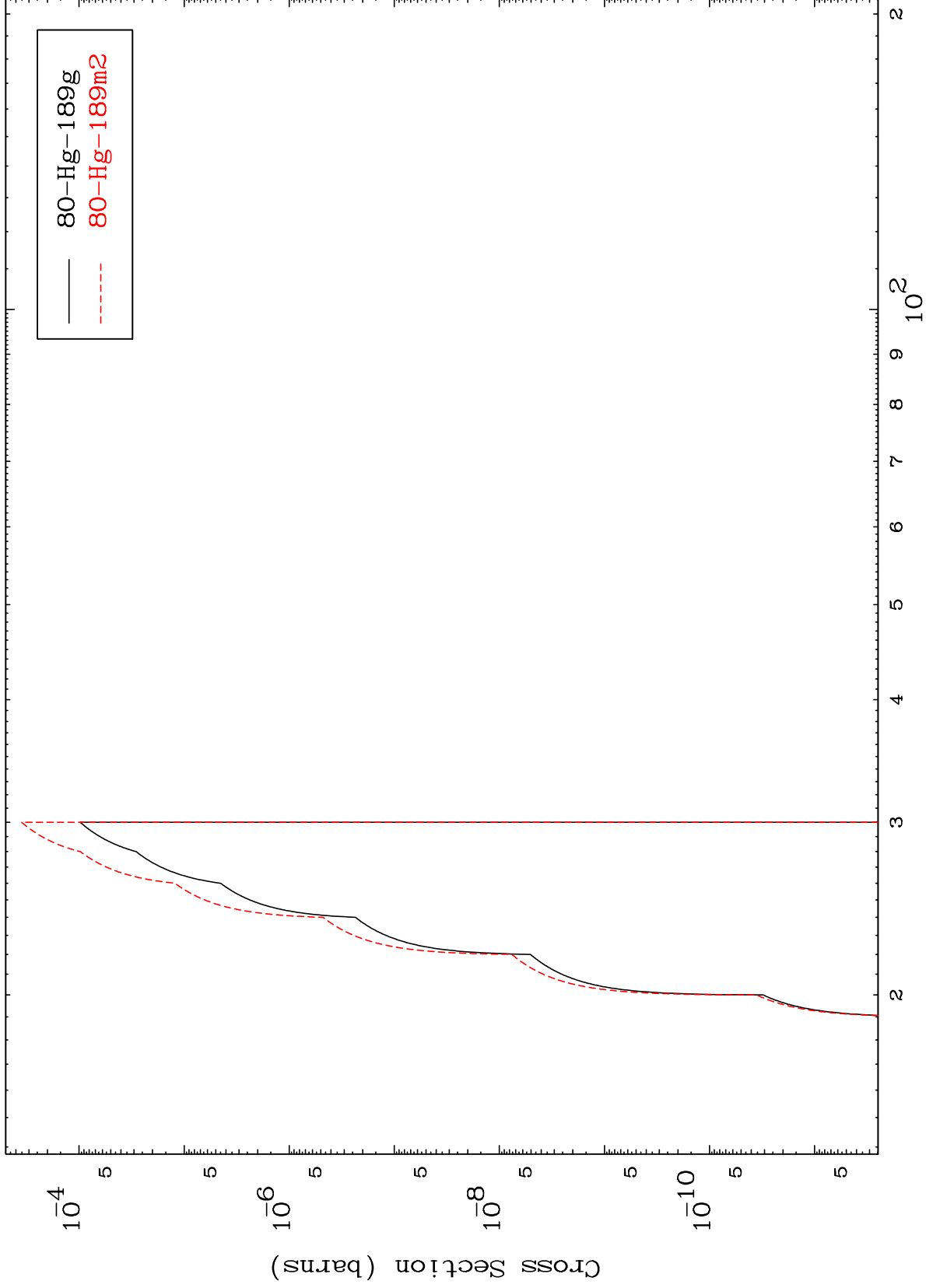
⁷⁹Au-187m

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(n,d)

⁷⁹Au-¹⁸⁷m

Radionuclide Production Cross Section



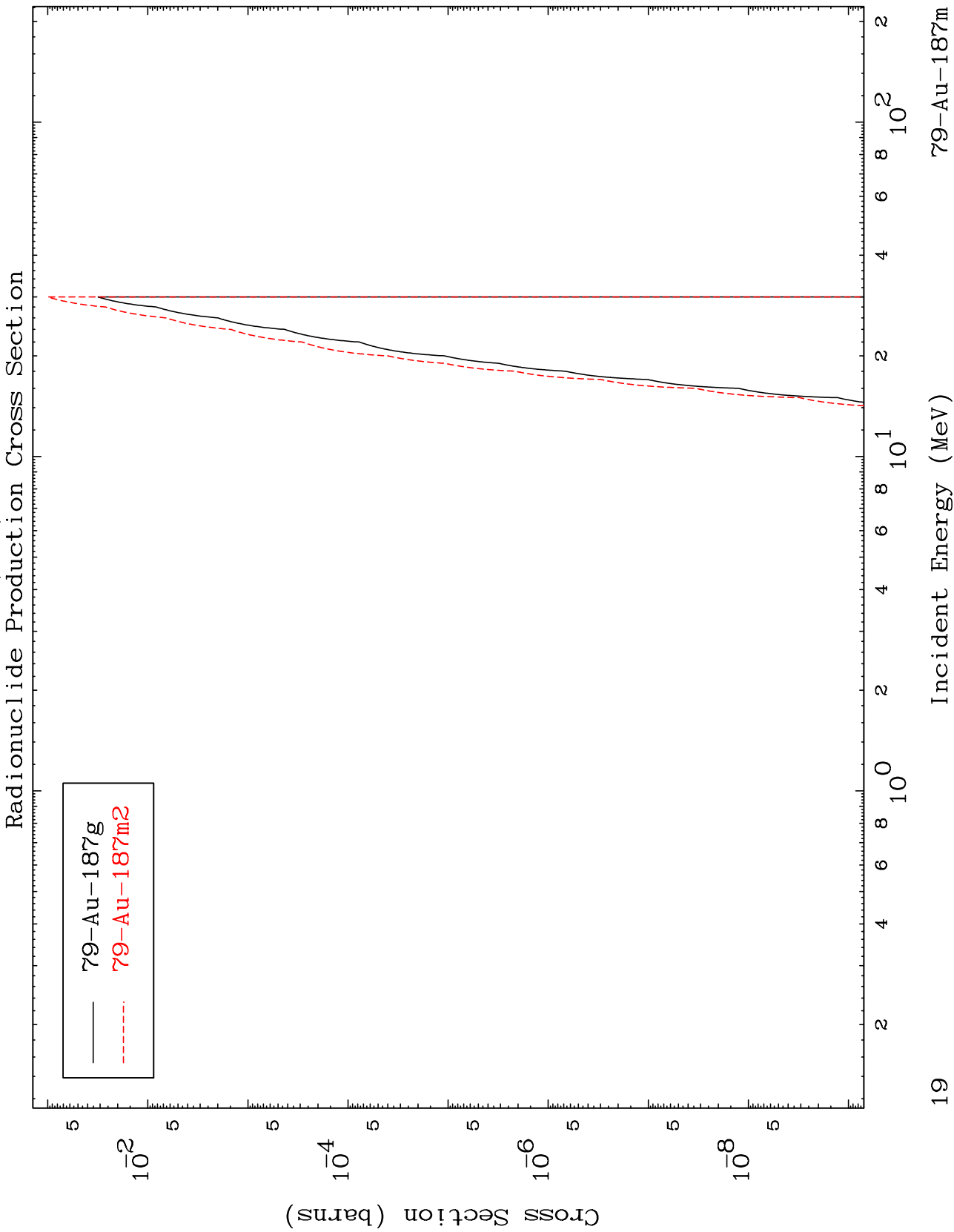
18

Incident Energy (MeV)

⁷⁹Au-¹⁸⁷m

MAT 7896

⁷⁹Au-187m

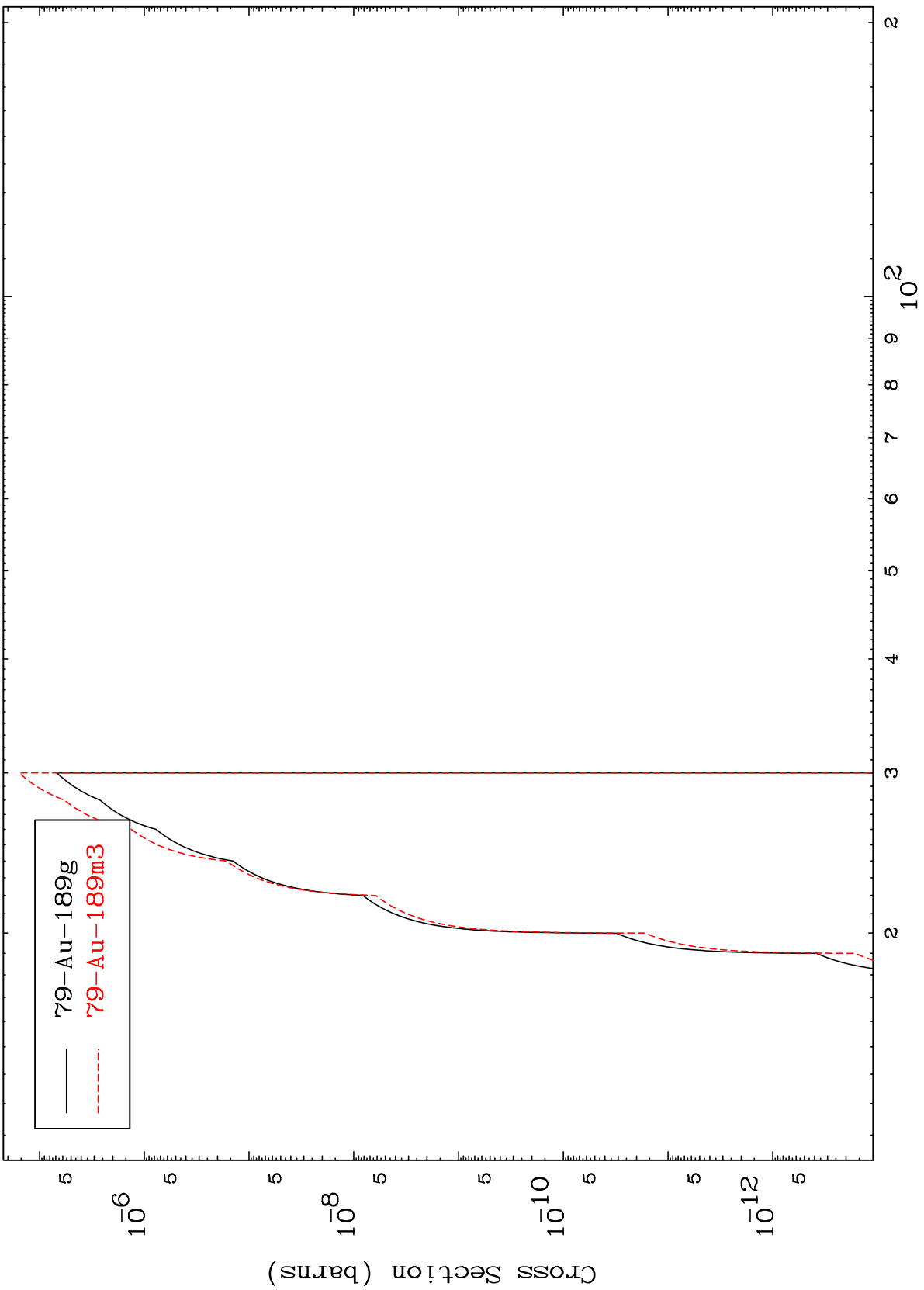


— ⁷⁹Au-187g
- - - ⁷⁹Au-187m2

MAT 7896

⁷⁹Au-187m

Radionuclide Production Cross Section (n,2p)



⁷⁹Au-187m

Incident Energy (MeV)

20