

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

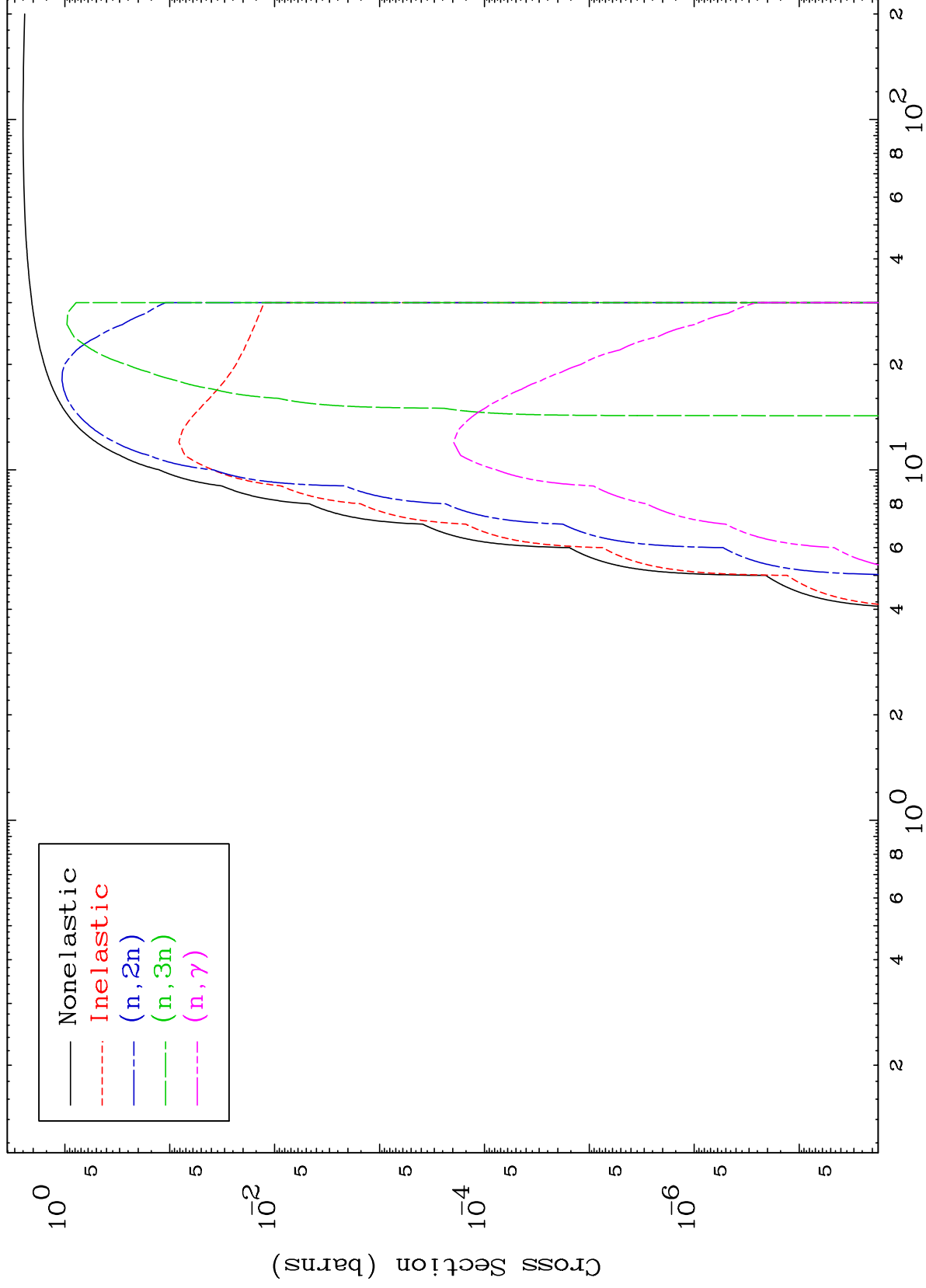
Press Mouse Button to Start

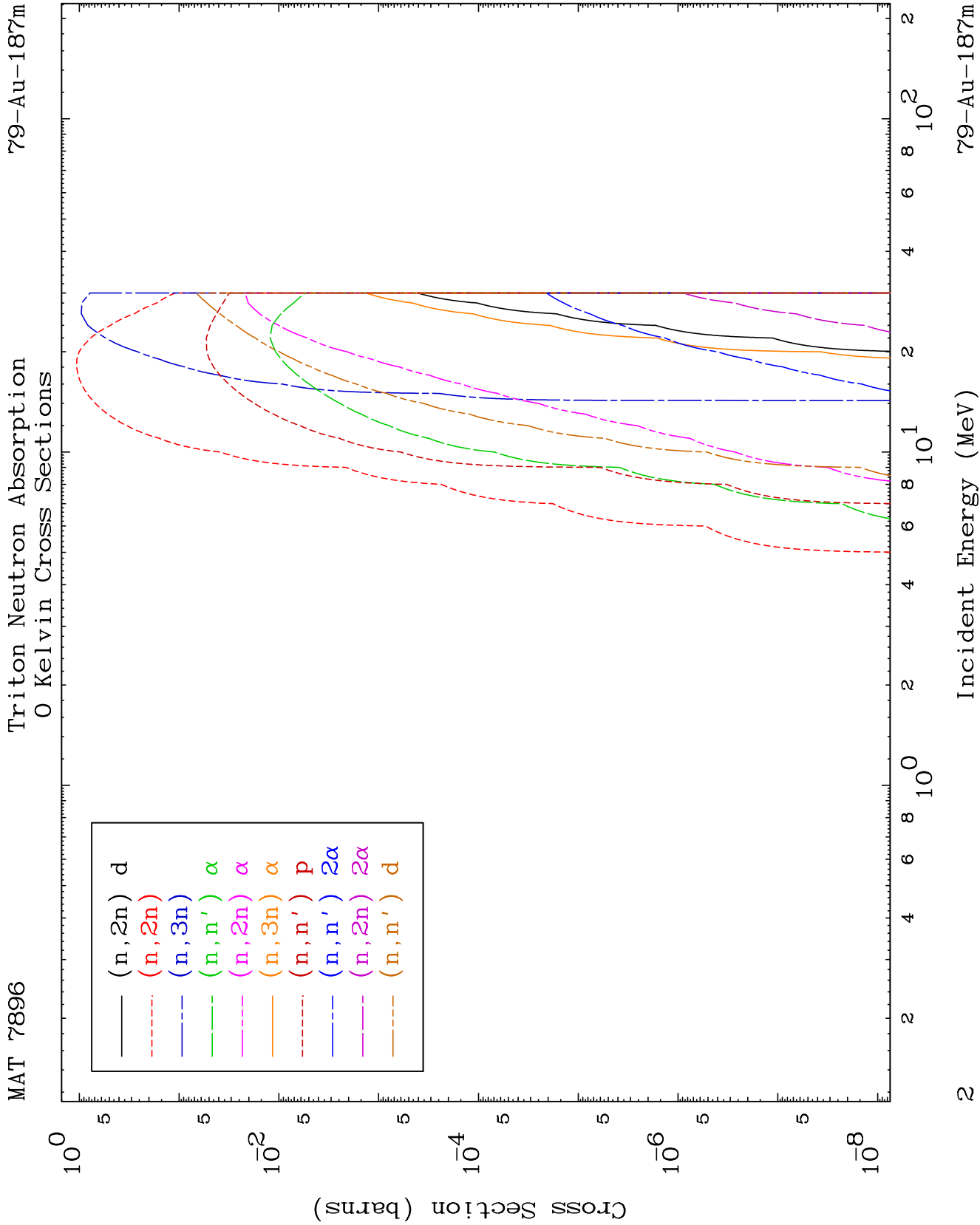
MAT 7896

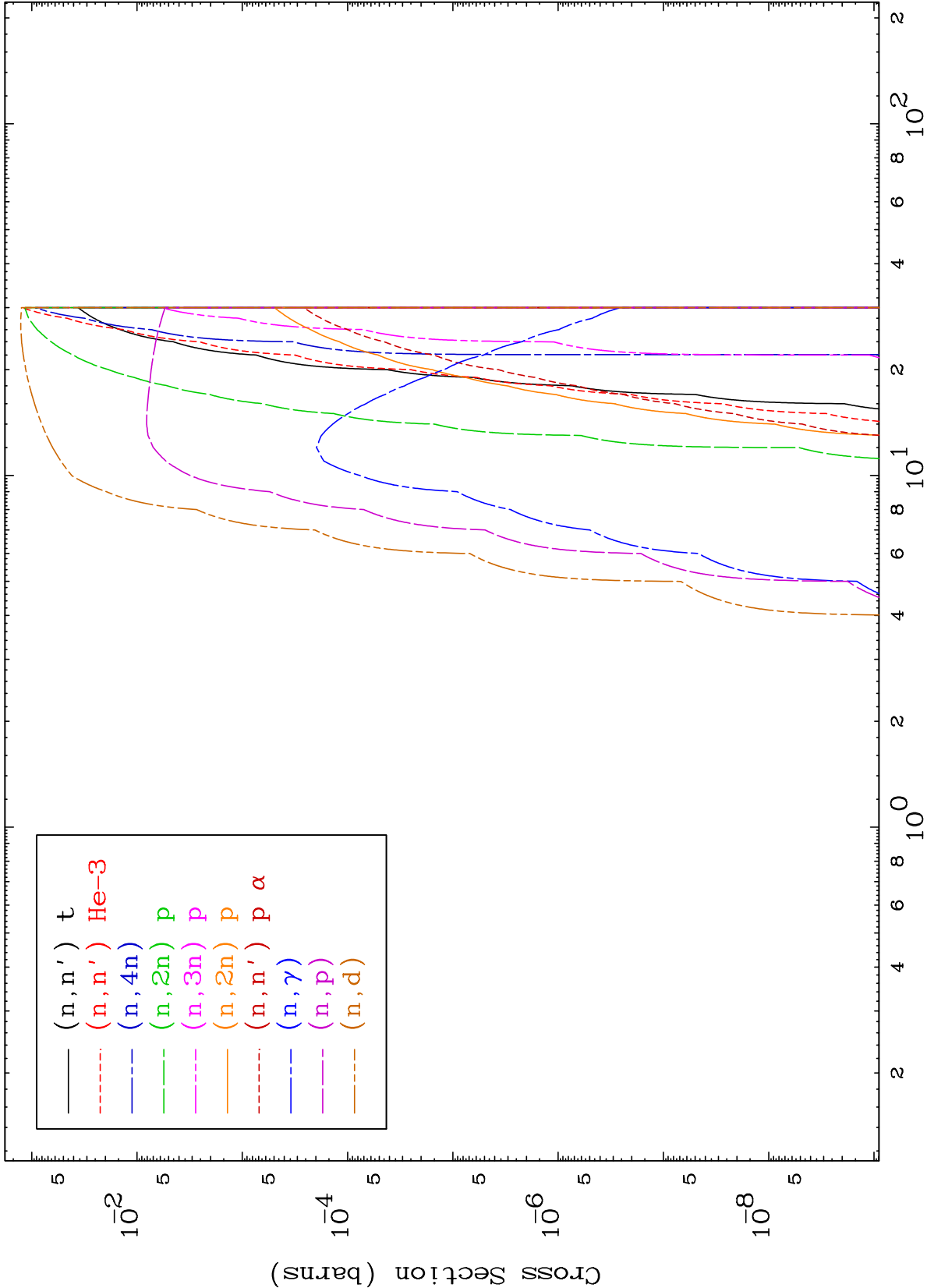
Triton Major

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

0 Kelvin Cross Sections



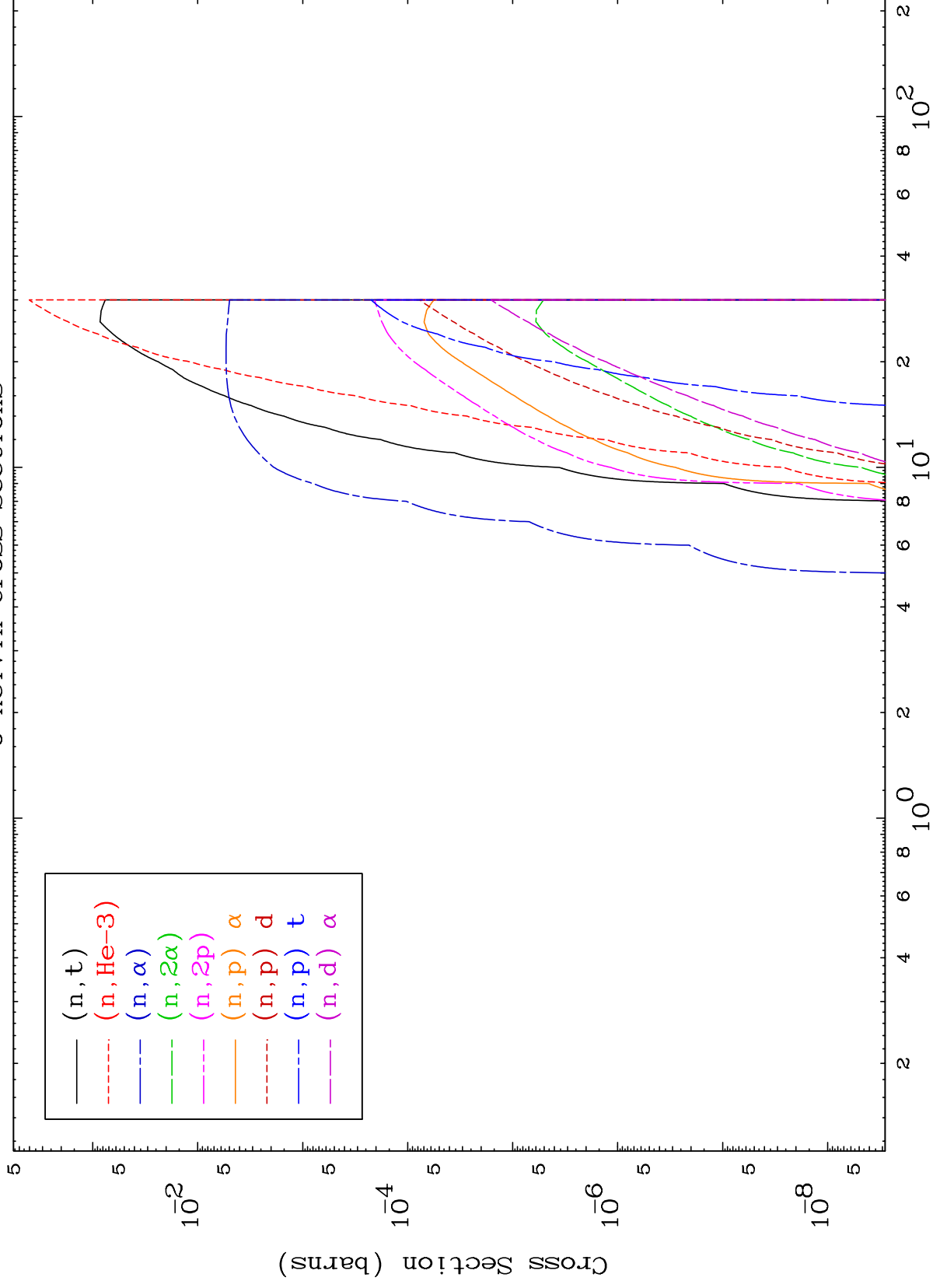




MAT 7896

Triton Neutron Absorption
0 Kelvin Cross Sections

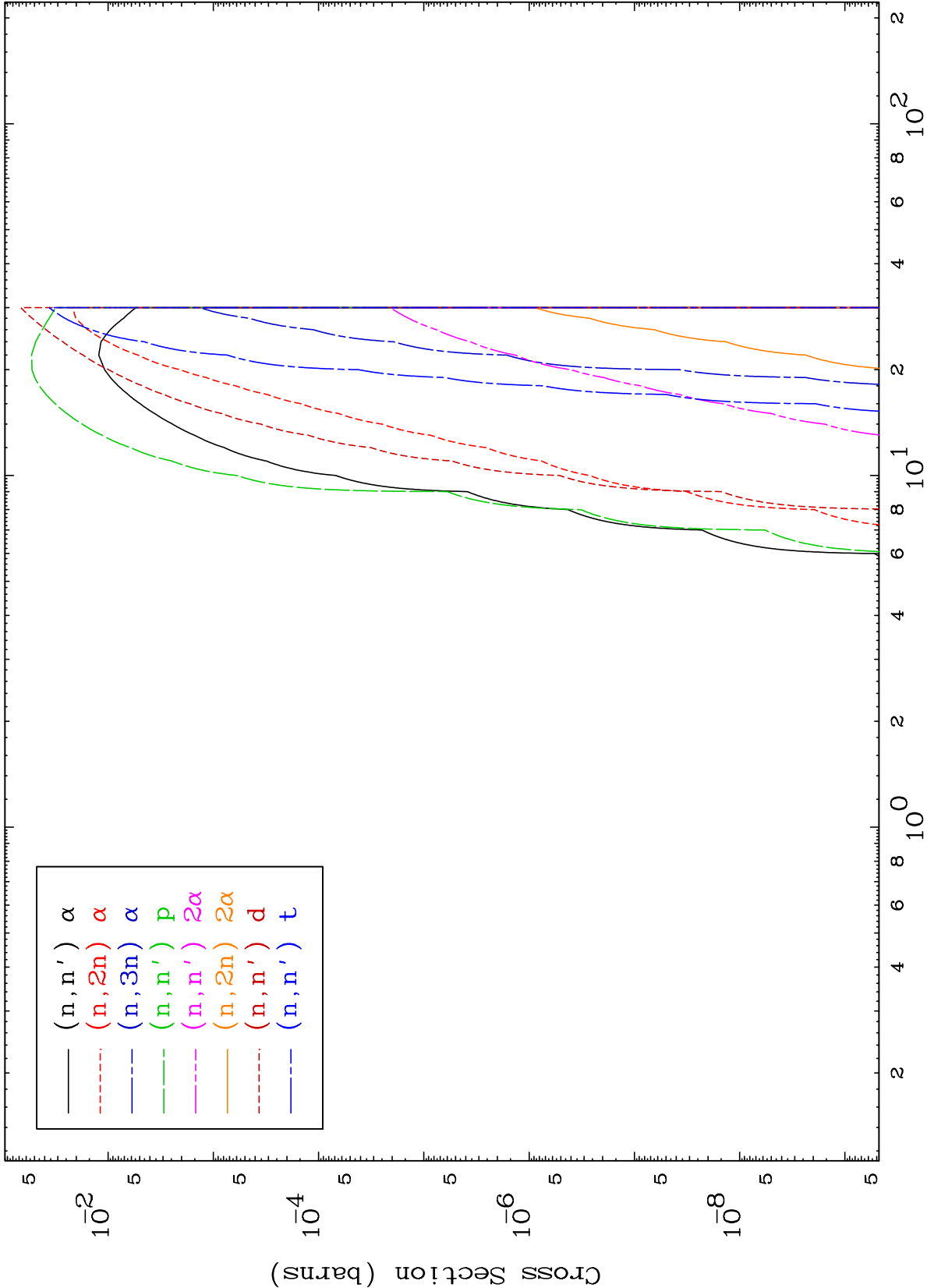
⁷⁹Au-187m

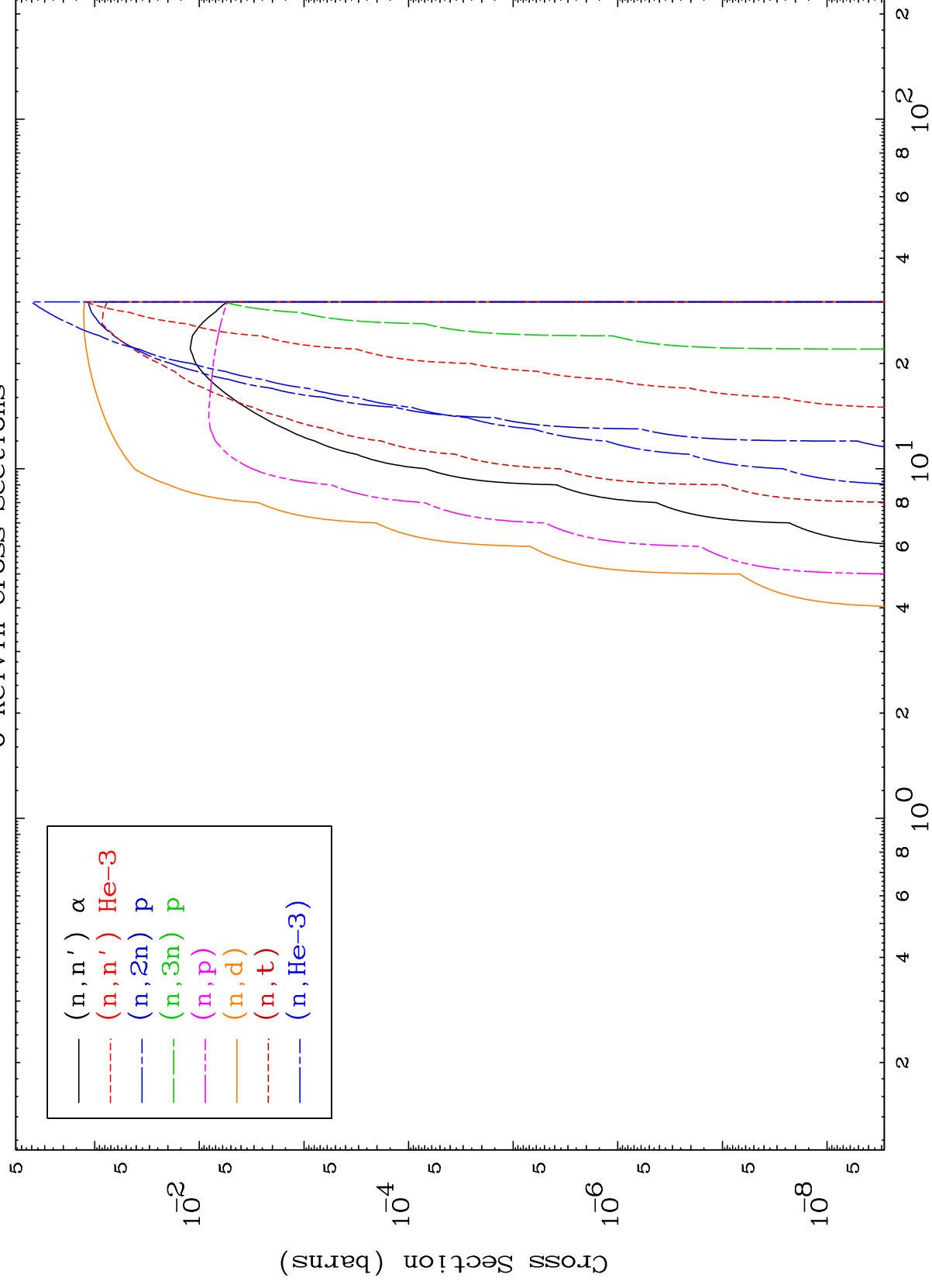


MAT 7896

Triton Charged Particle
0 Kelvin Cross Sections

79-Au-187m

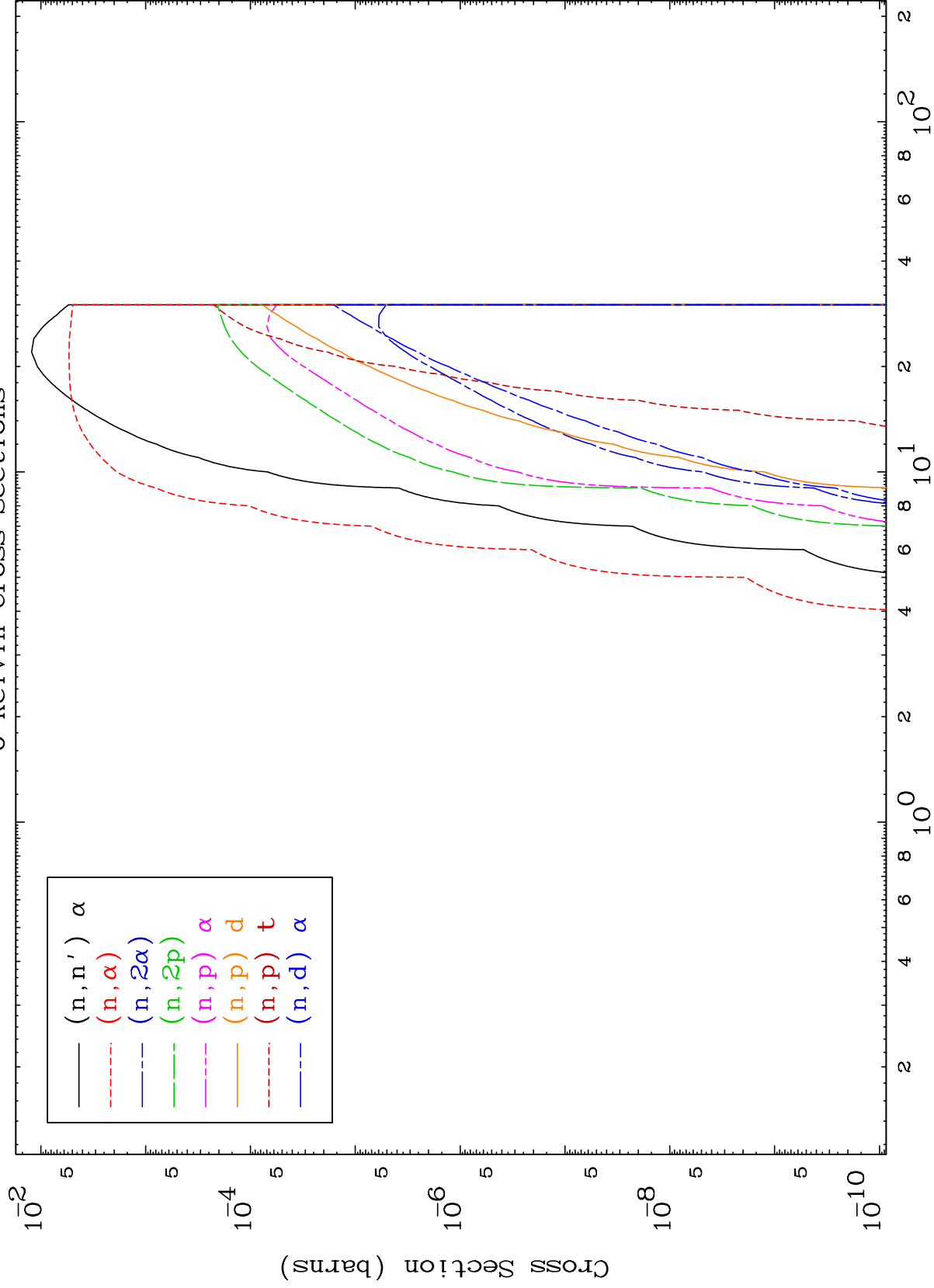




MAT 7896

Triton Charged Particle
0 Kelvin Cross Sections

79-Au-187m

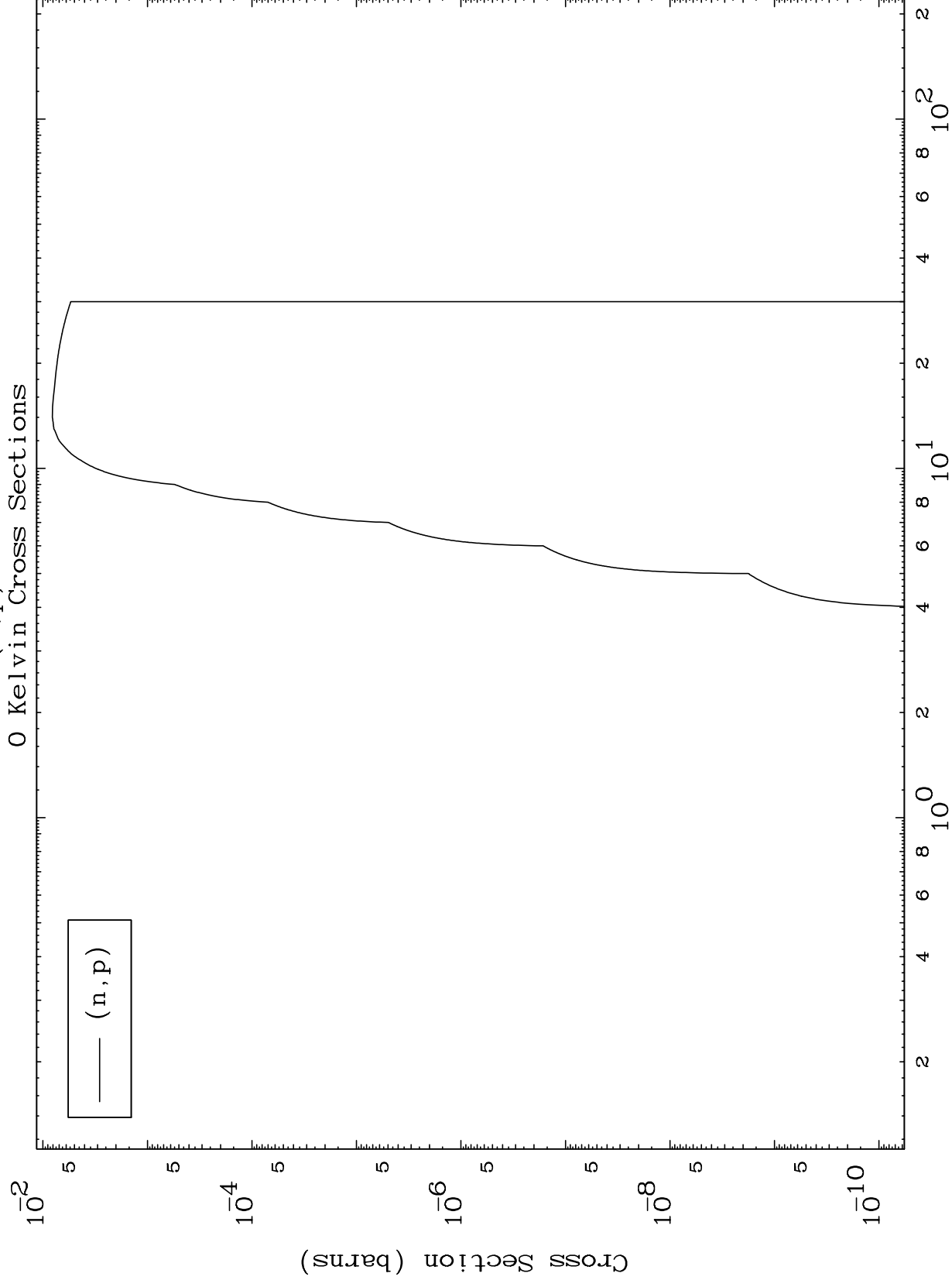


MAT 7896

(t, p) Levels

79-Au-187m

0 Kelvin Cross Sections



8

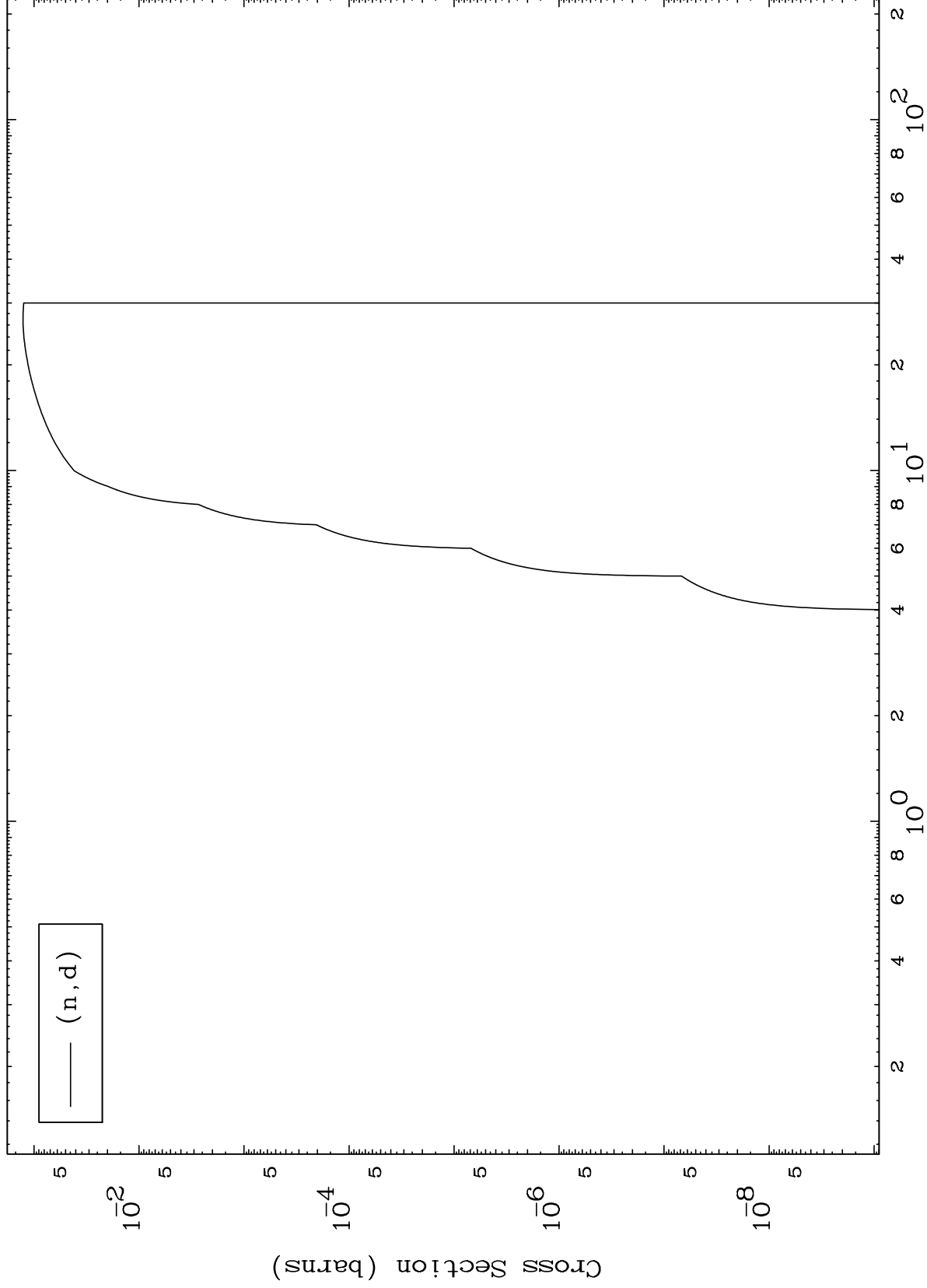
Incident Energy (MeV)

79-Au-187m

MAT 7896

79-Au-187m

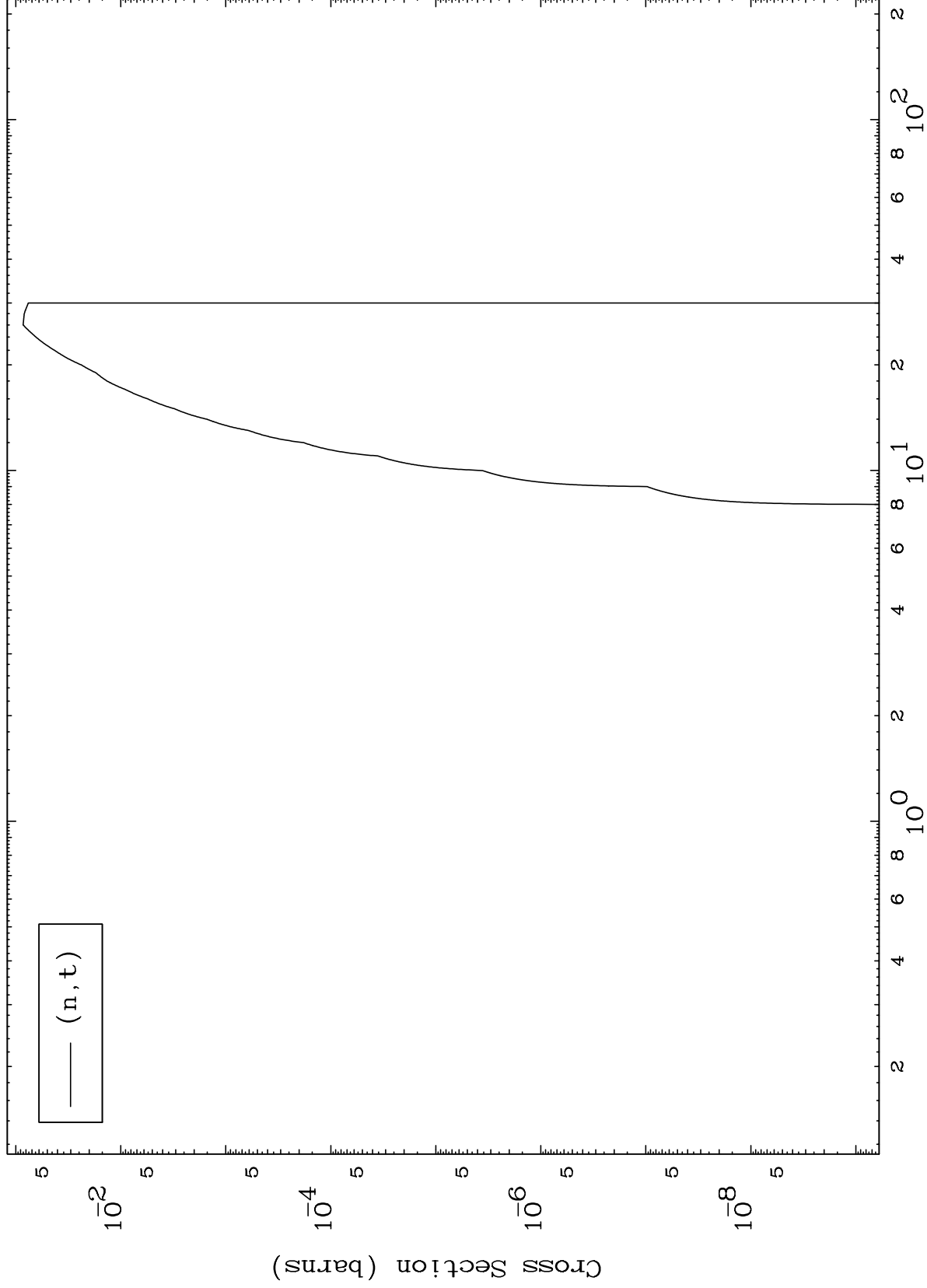
(t,d) Levels
0 Kelvin Cross Sections



MAT 7896

⁷⁹Au-187m

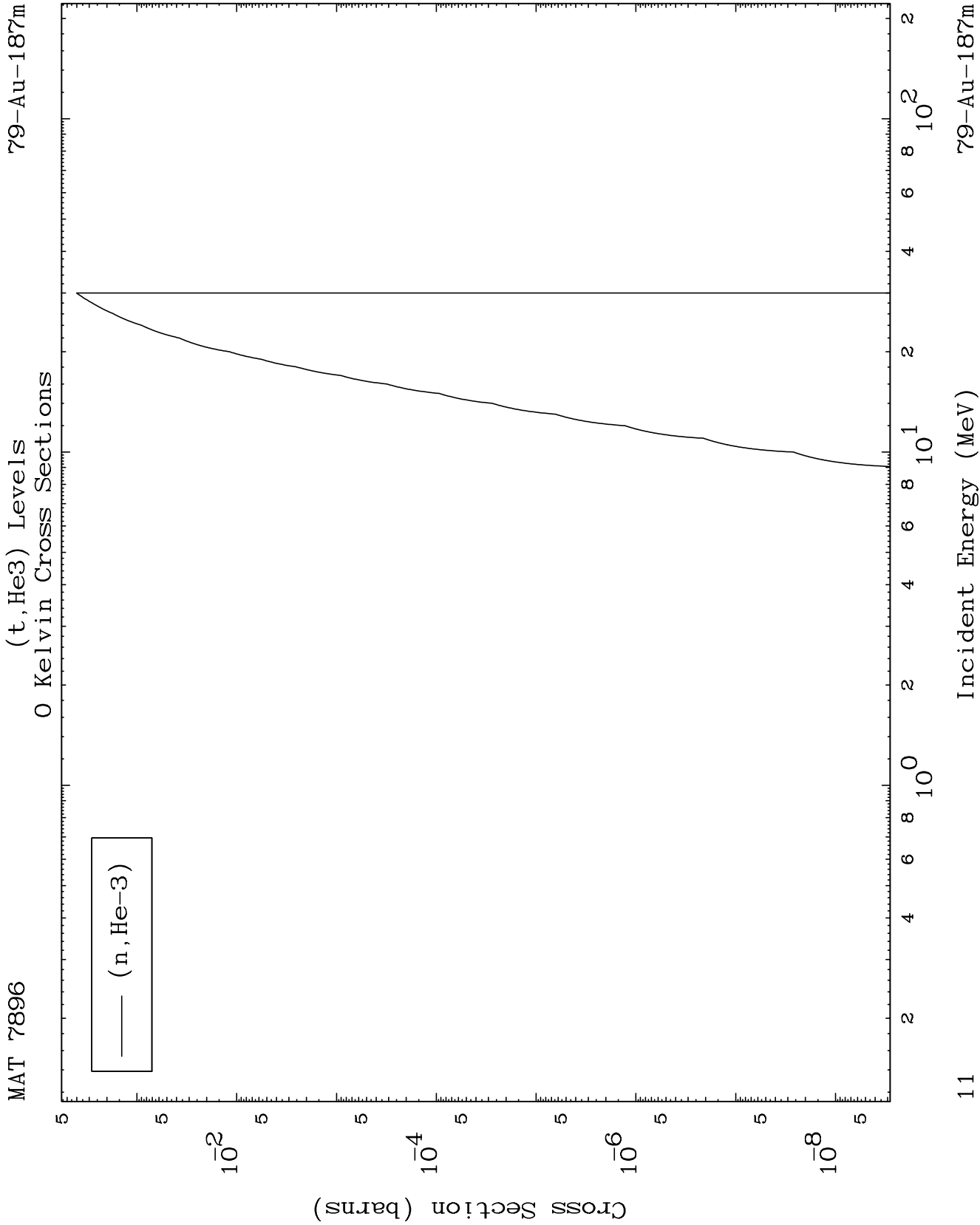
(t,t) Levels
0 Kelvin Cross Sections



⁷⁹Au-187m

Incident Energy (MeV)

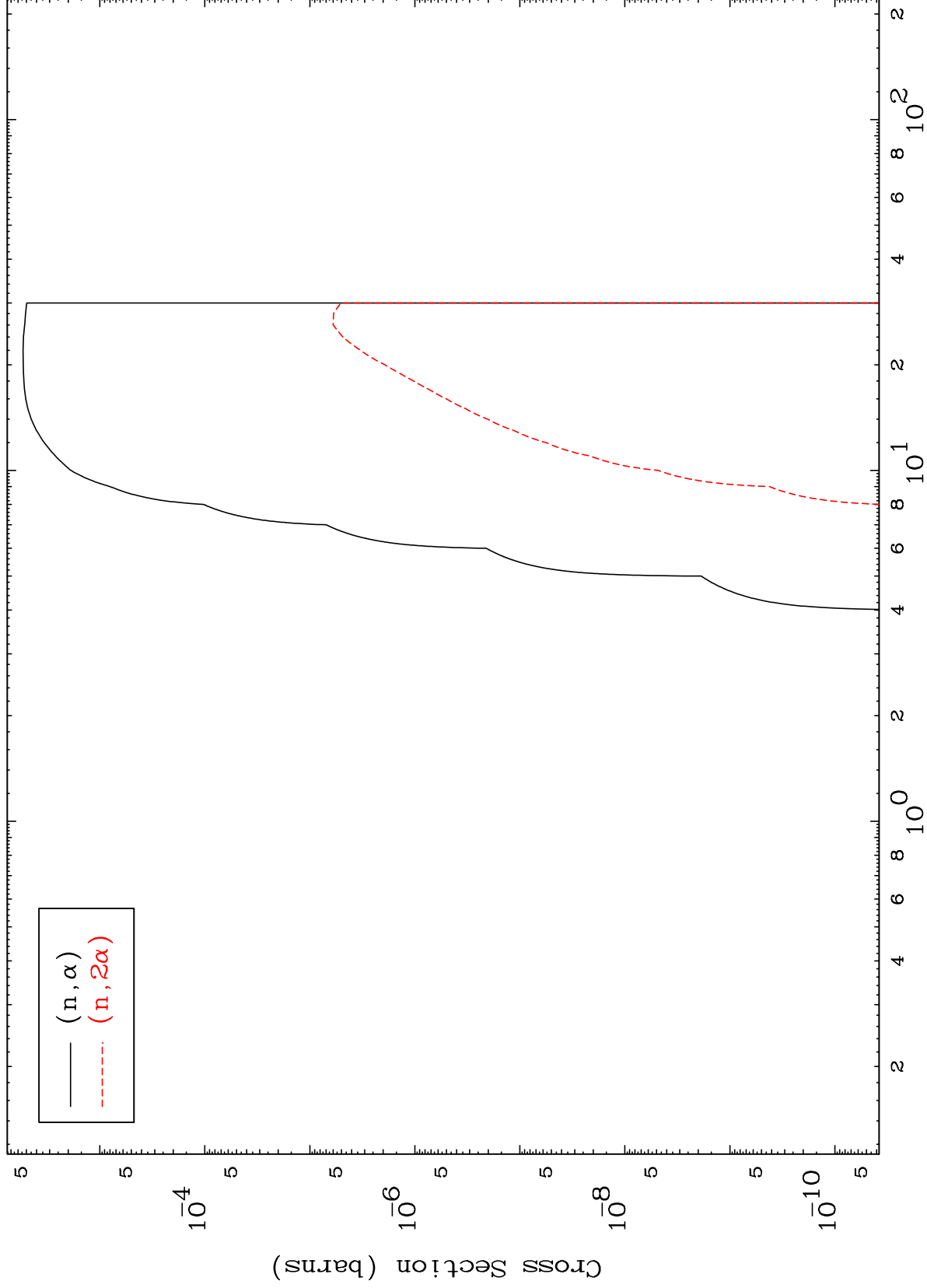
10



MAT 7896

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

(t, α) Levels
0 Kelvin Cross Sections



12

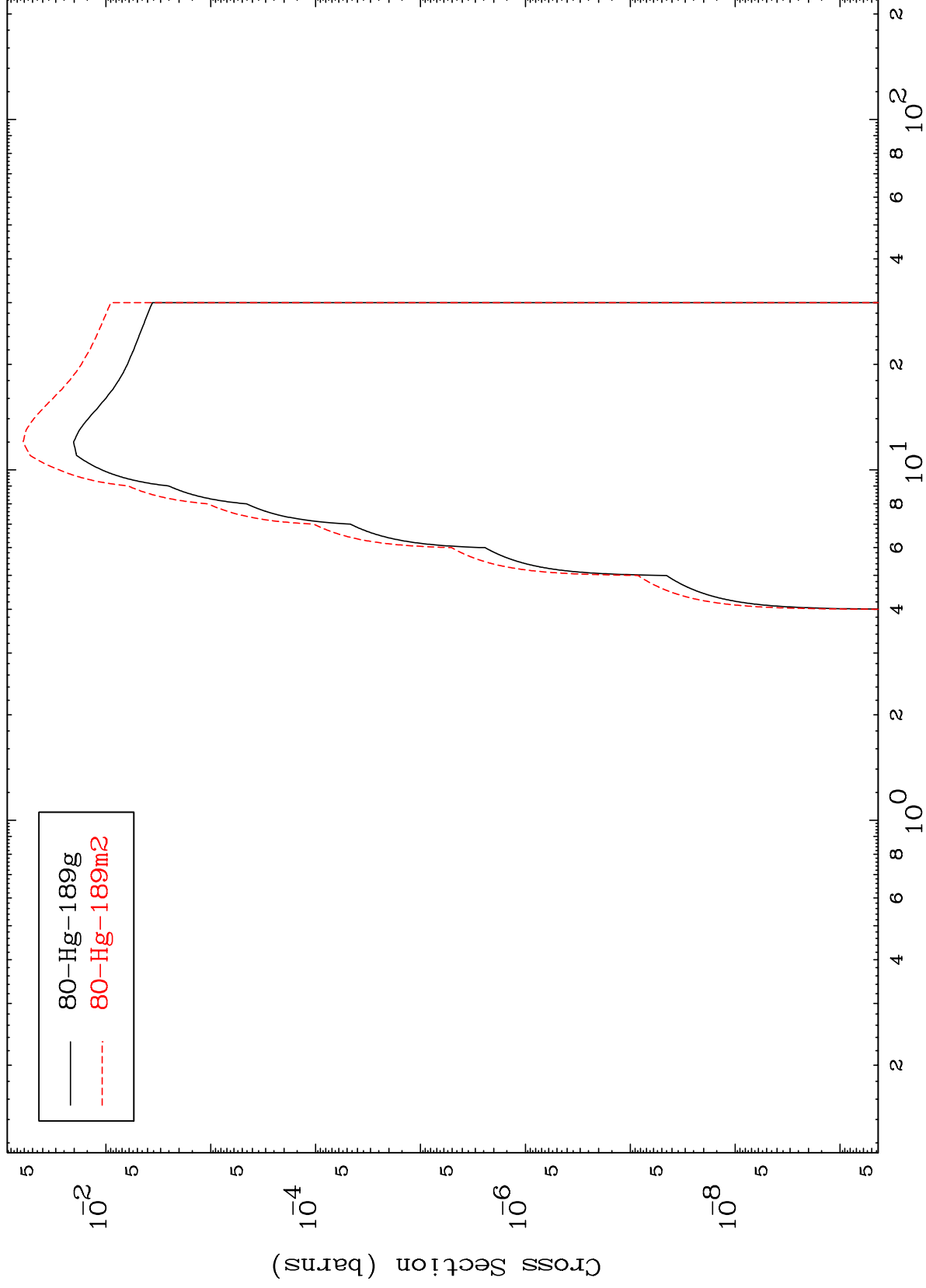
Incident Energy (MeV)

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

MAT 7896

Radionuclide Production Cross Section

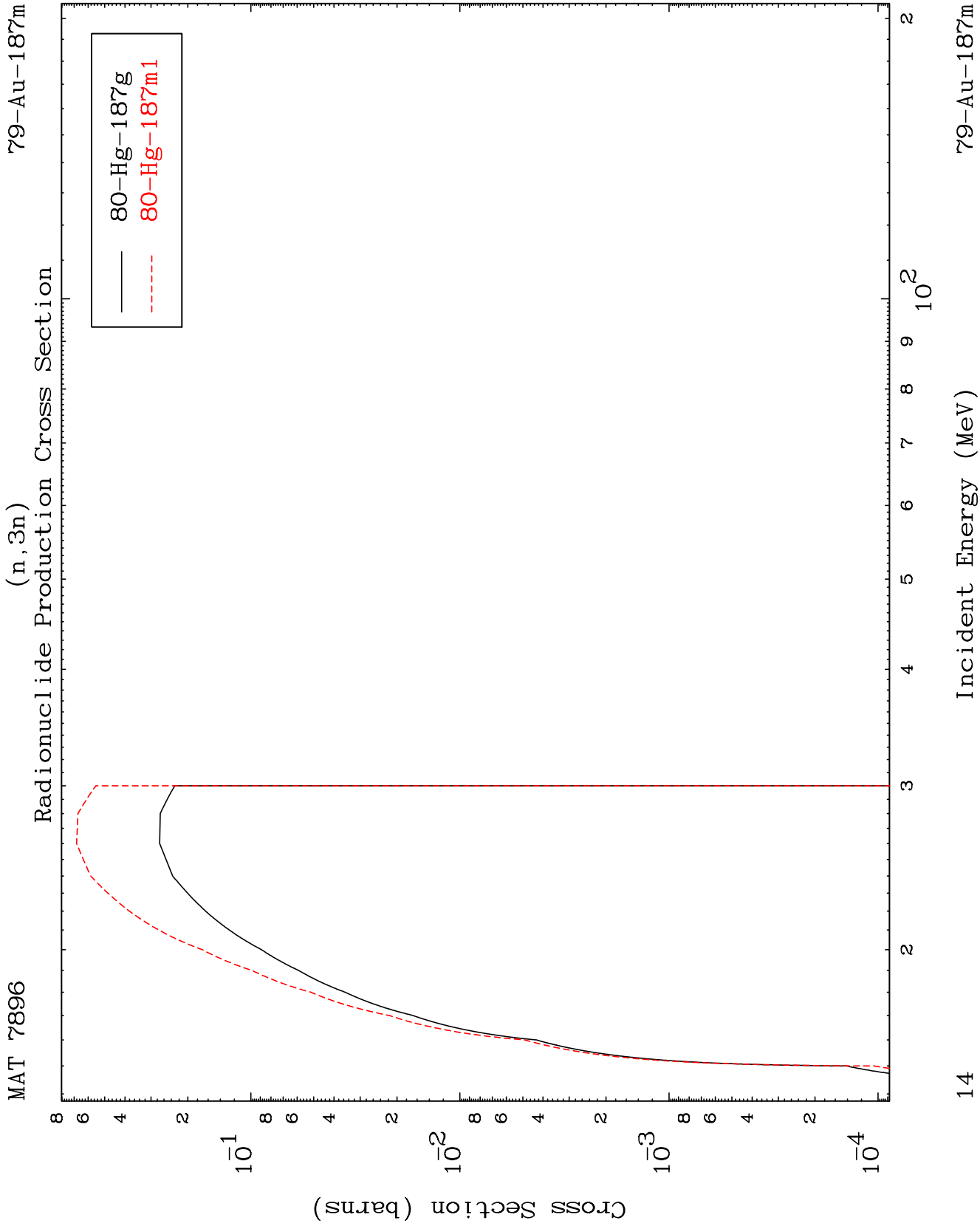
⁷⁹Au-¹⁸⁷m



13

Incident Energy (MeV)

⁷⁹Au-¹⁸⁷m

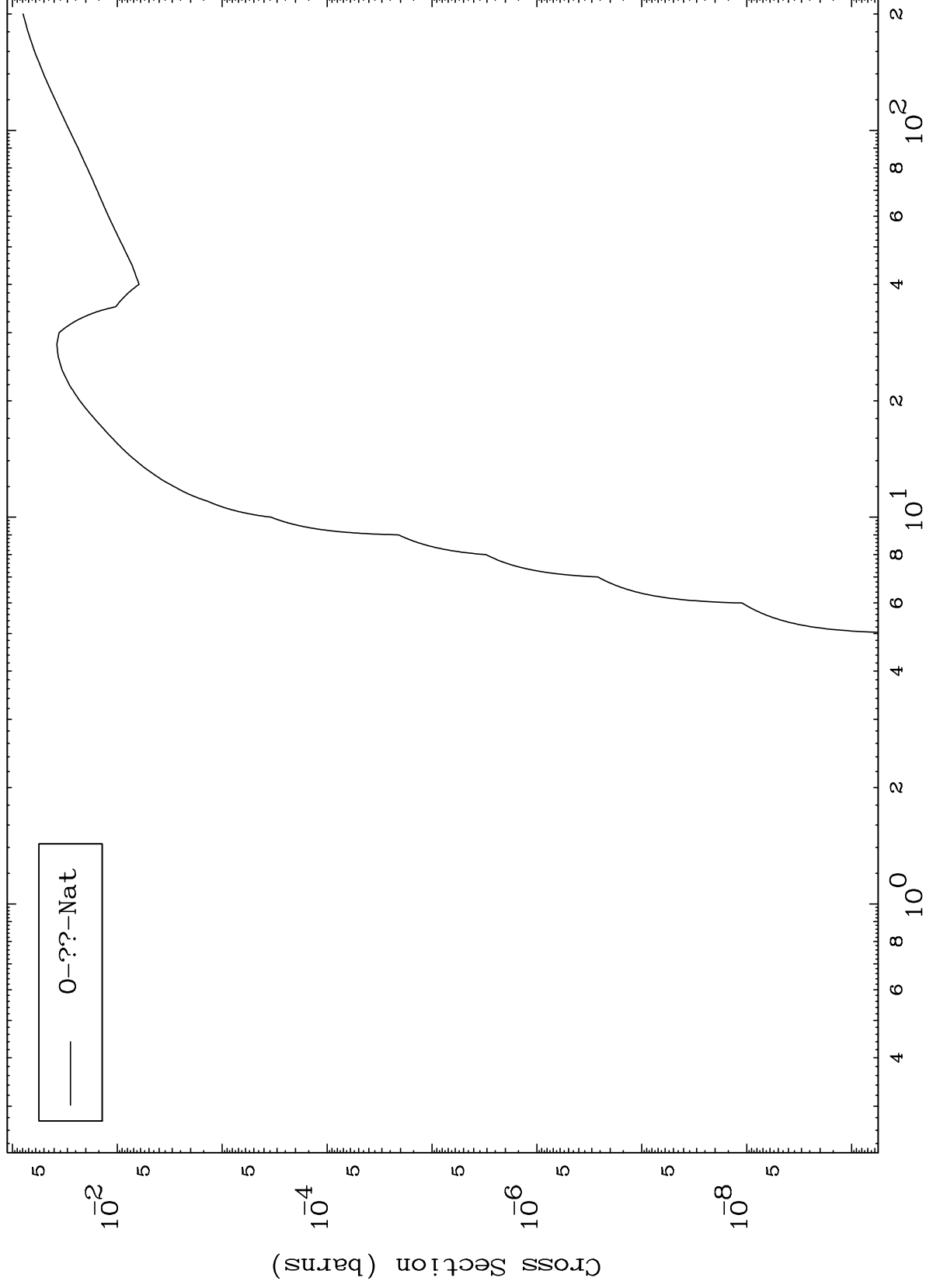


MAT 7896

Fission

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

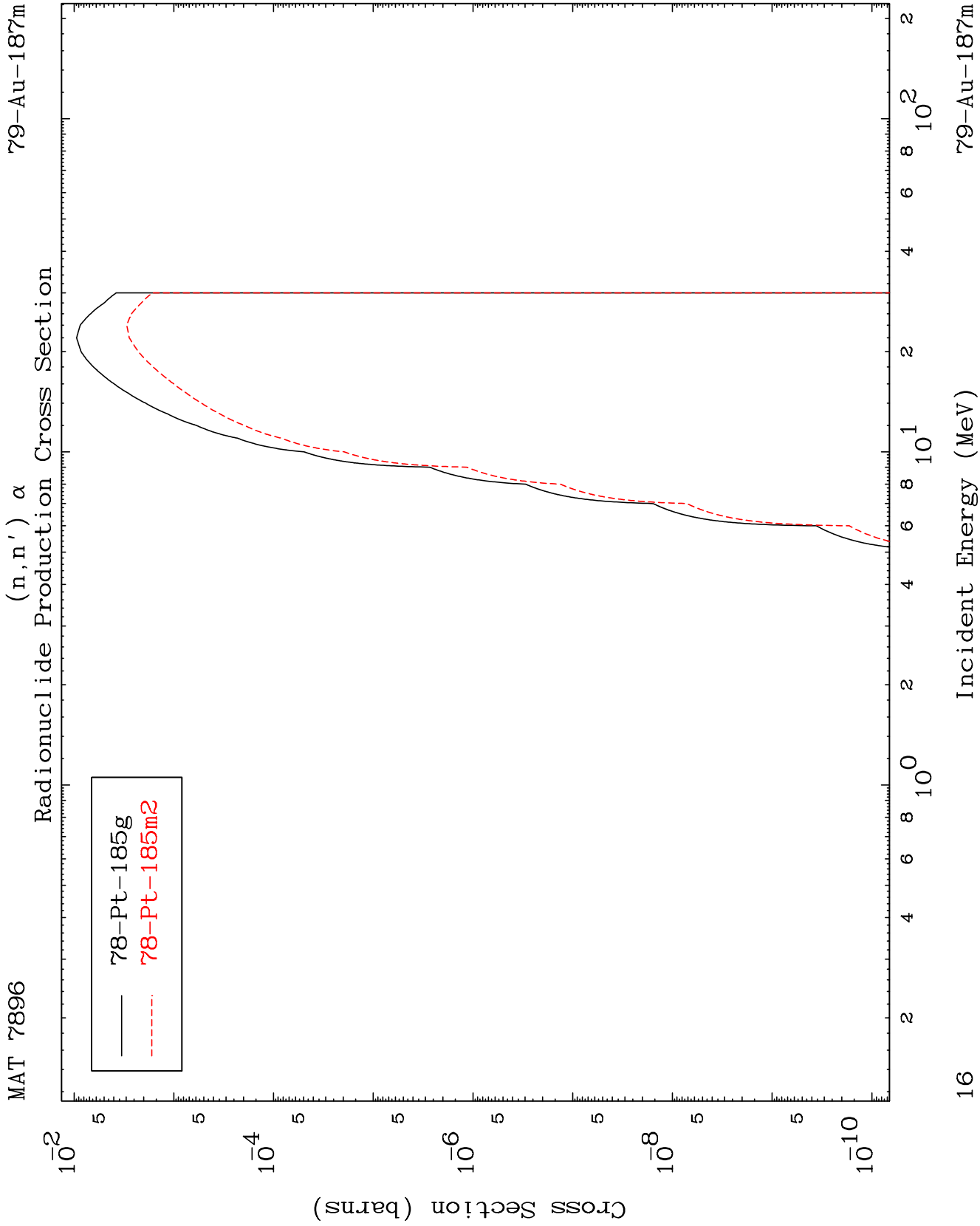
Radionuclide Production Cross Section



15

Incident Energy (MeV)

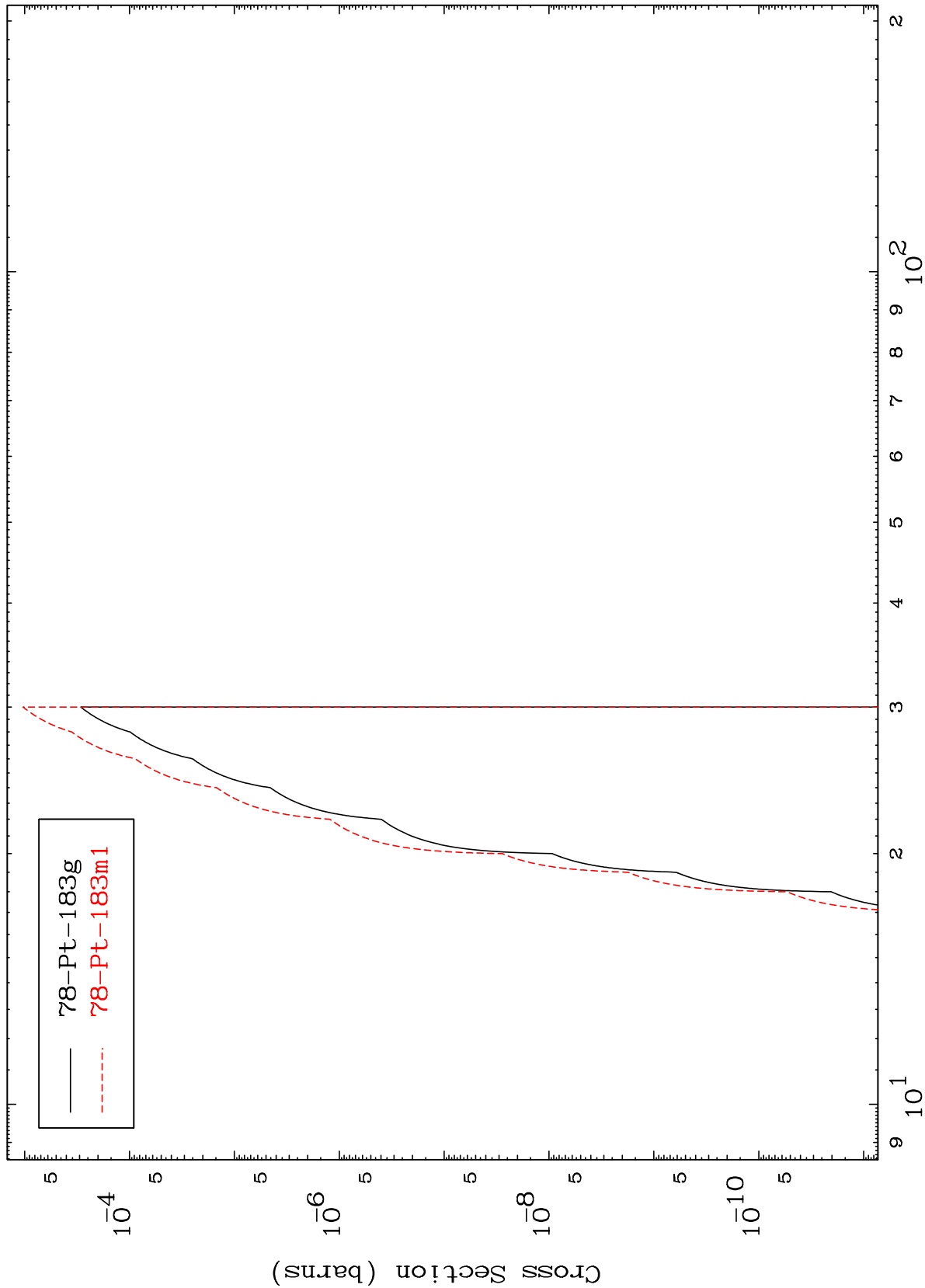
$^{79}\text{Au-187m}$



MAT 7896

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

$(n,3n) \alpha$
Radionuclide Production Cross Section



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

Incident Energy (MeV)

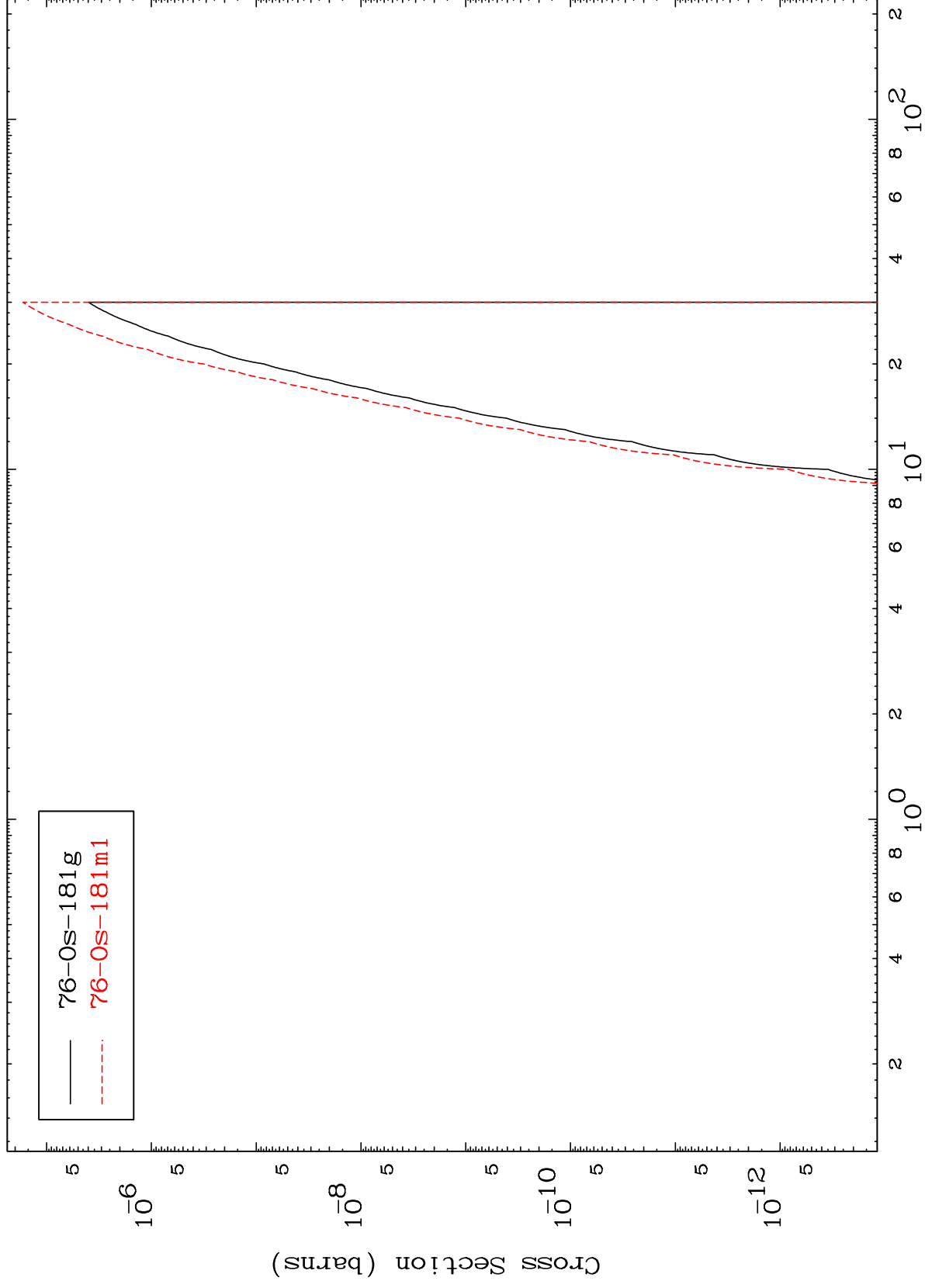
17

MAT 7896

(n,n') 2 α

⁷⁹Au-187m

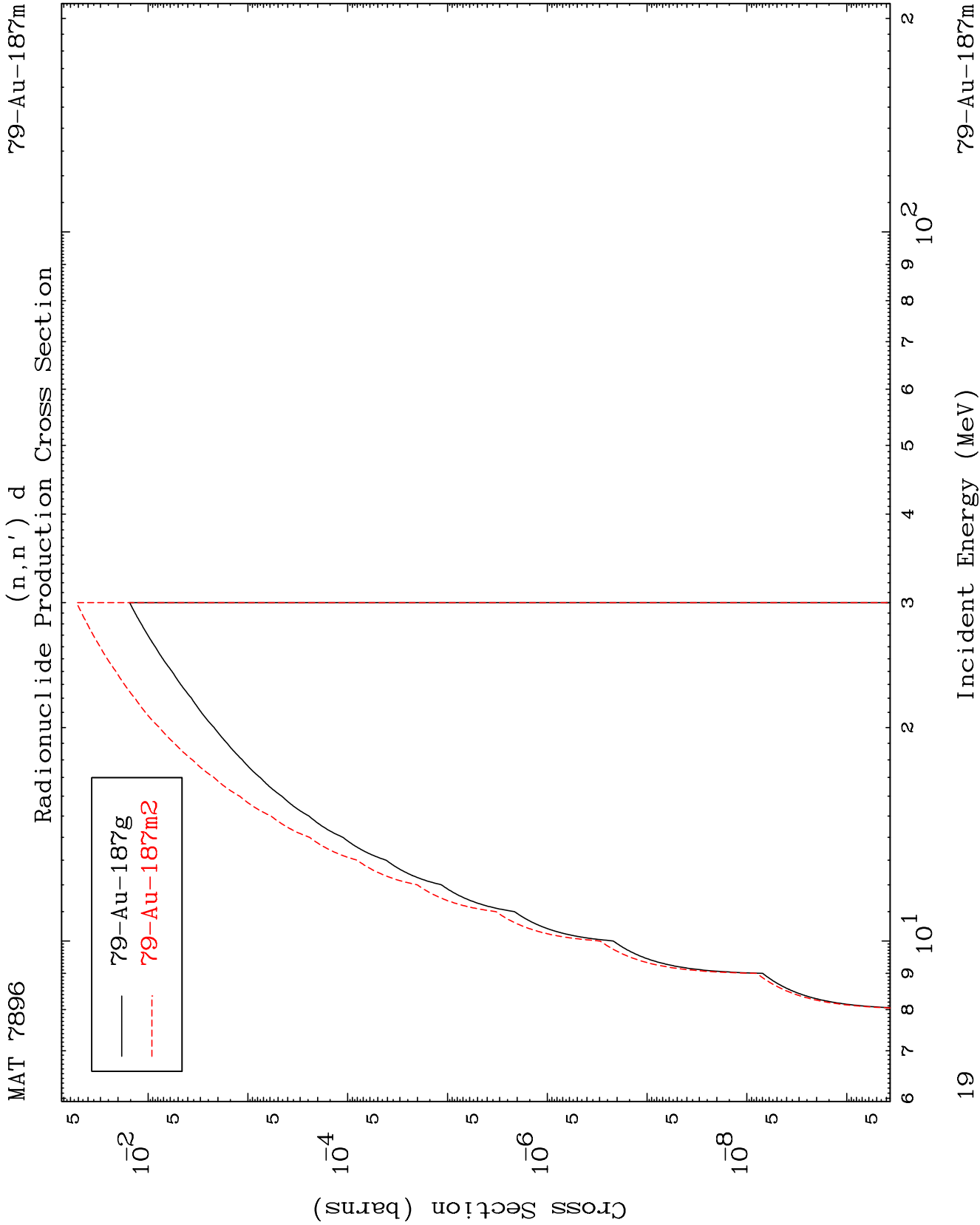
Radionuclide Production Cross Section



18

Incident Energy (MeV)

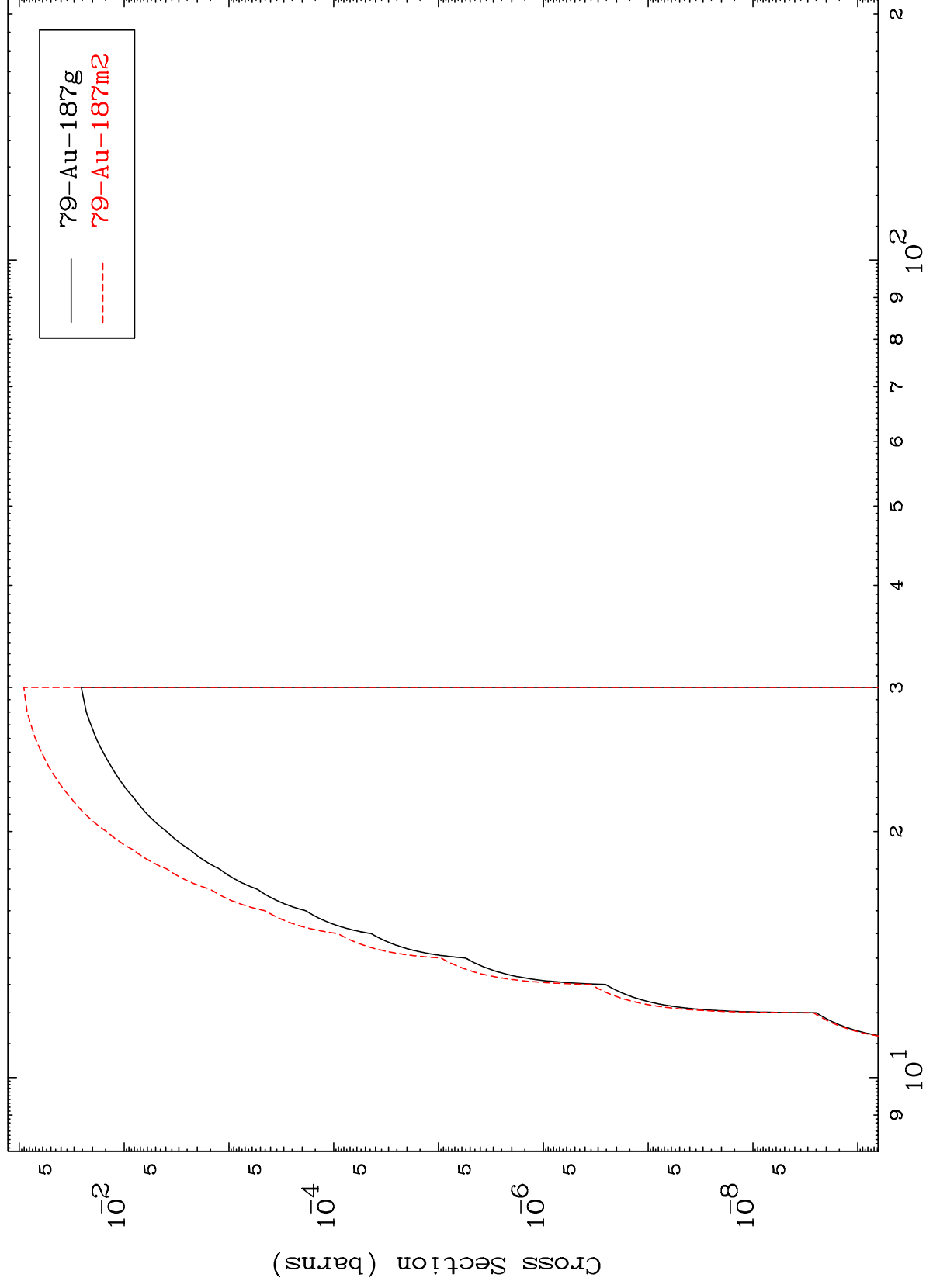
⁷⁹Au-187m



MAT 7896

⁷⁹Au-187m

(n,2n) p
Radionuclide Production Cross Section

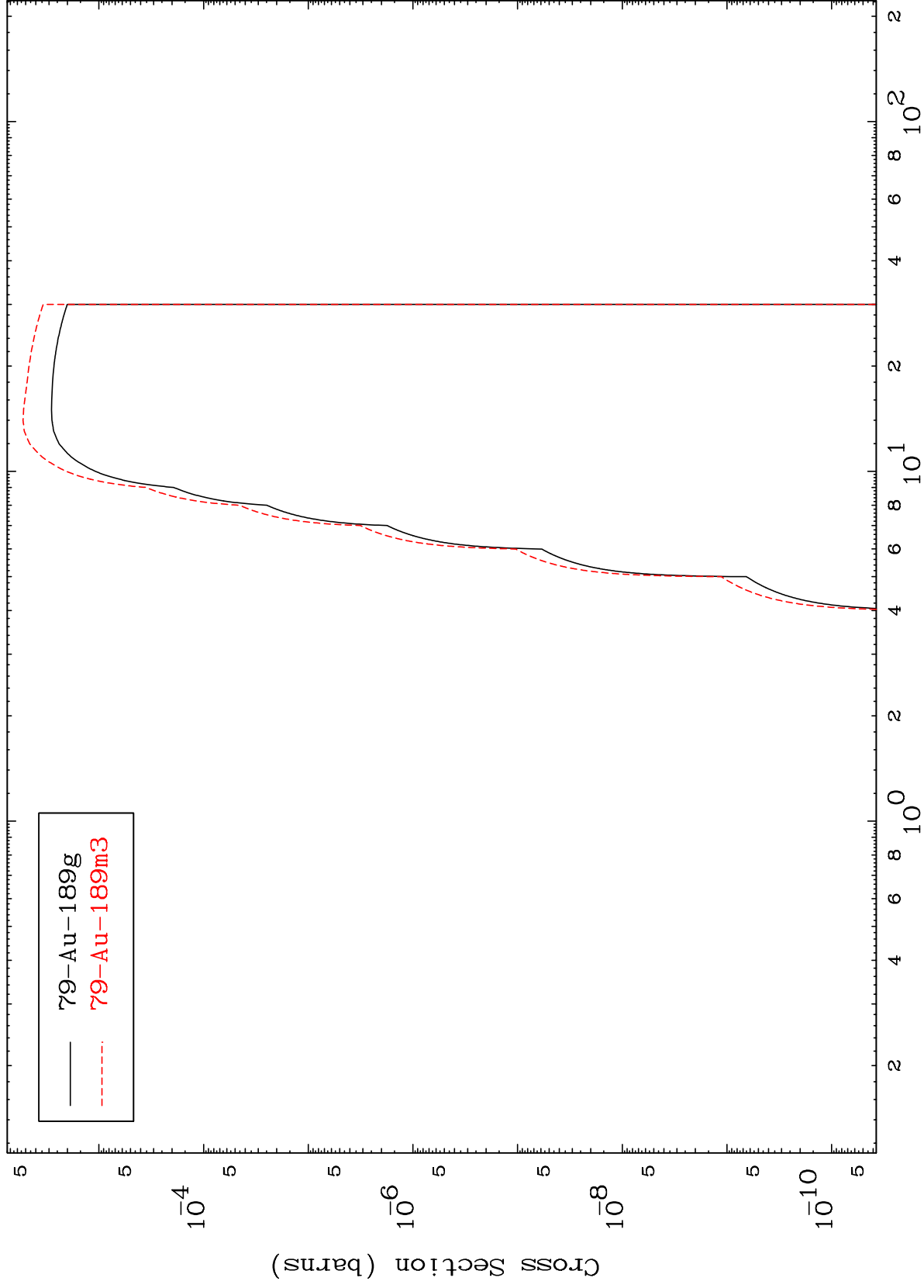


⁷⁹Au-187m

Incident Energy (MeV)

20

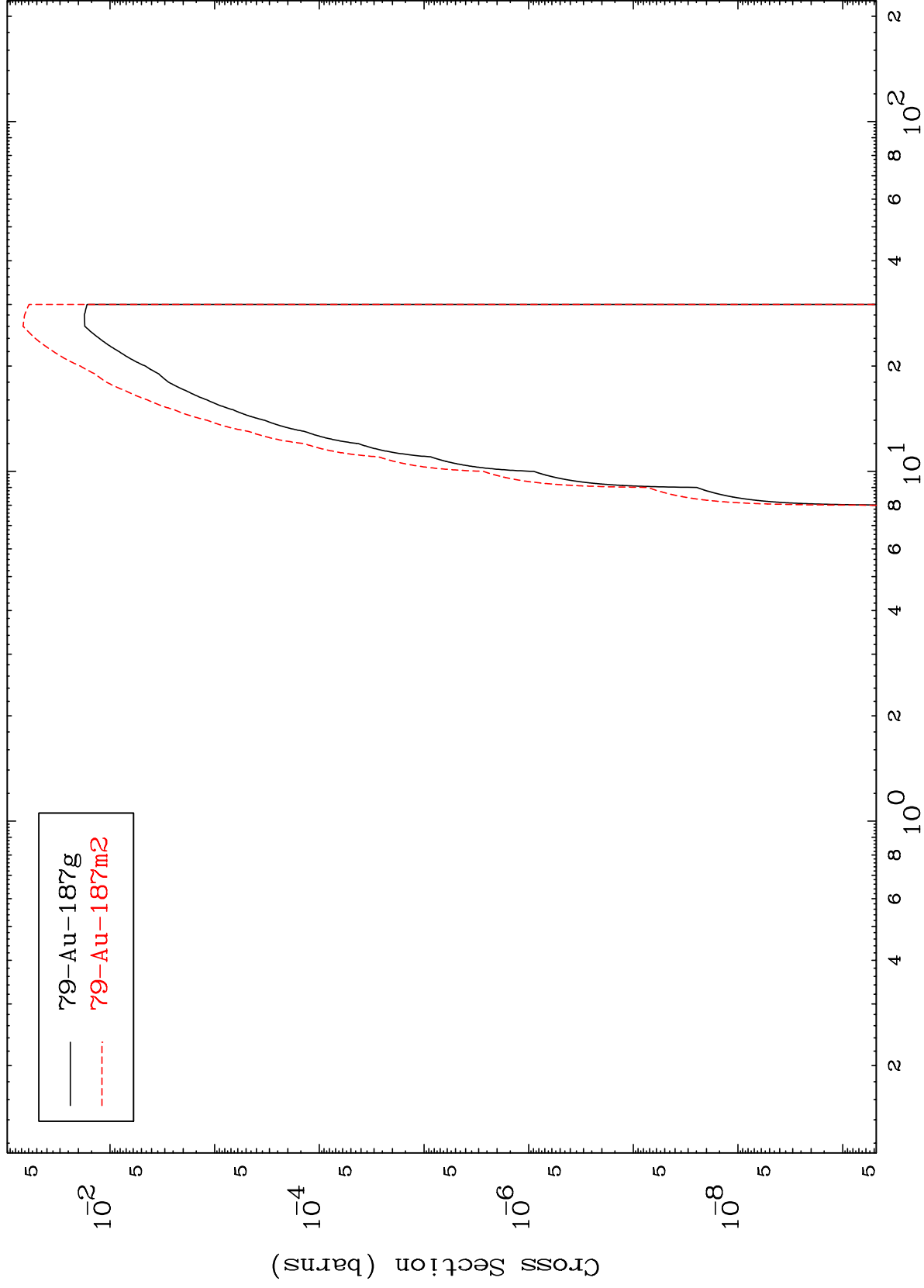
(n,p)
Radionuclide Production Cross Section



MAT 7896

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

Radionuclide Production Cross Section



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

Incident Energy (MeV)

22