

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

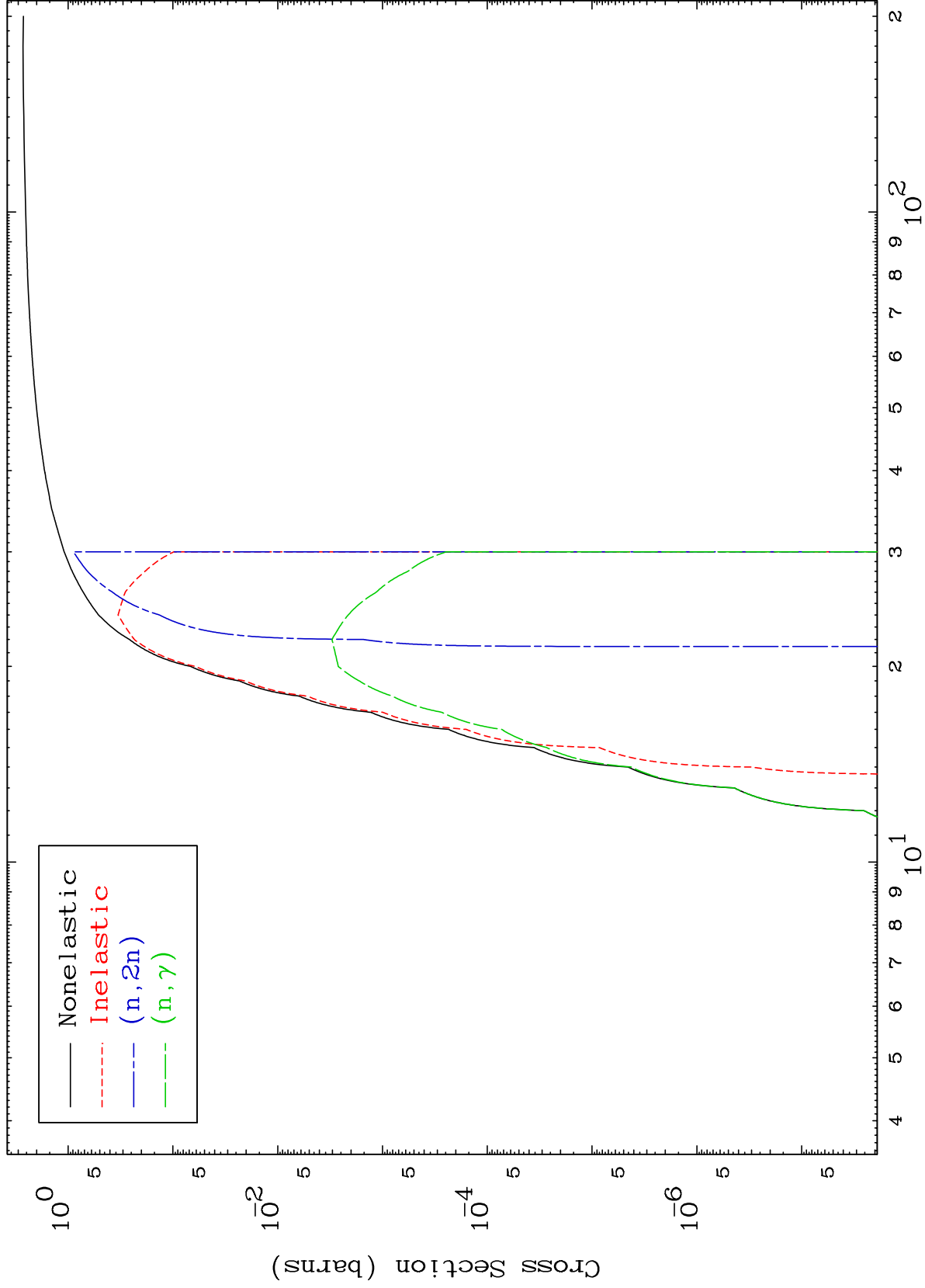
Press Mouse Button to Start

MAT 7901

α Major

79-Au-189

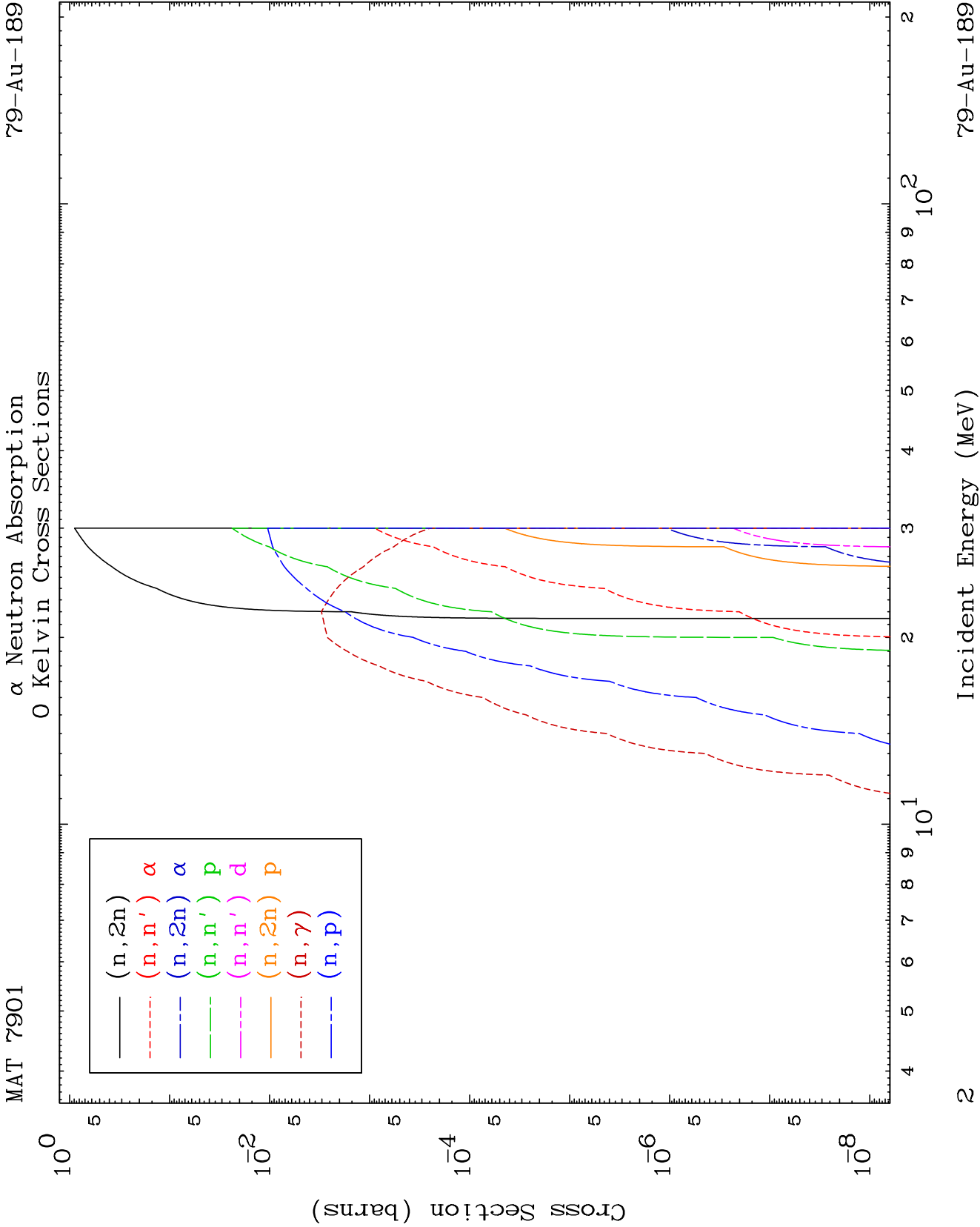
0 Kelvin Cross Sections



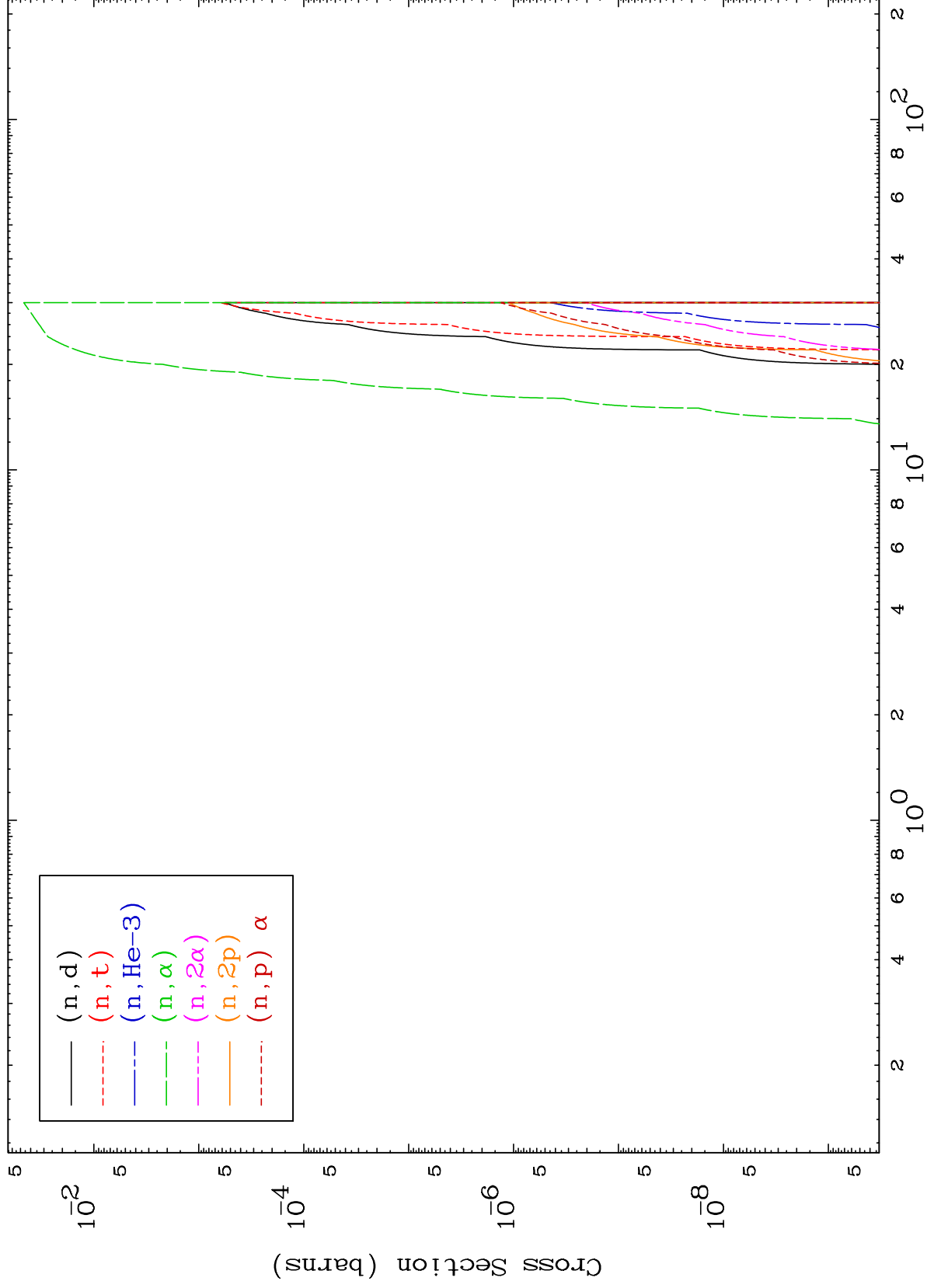
1

Incident Energy (MeV)

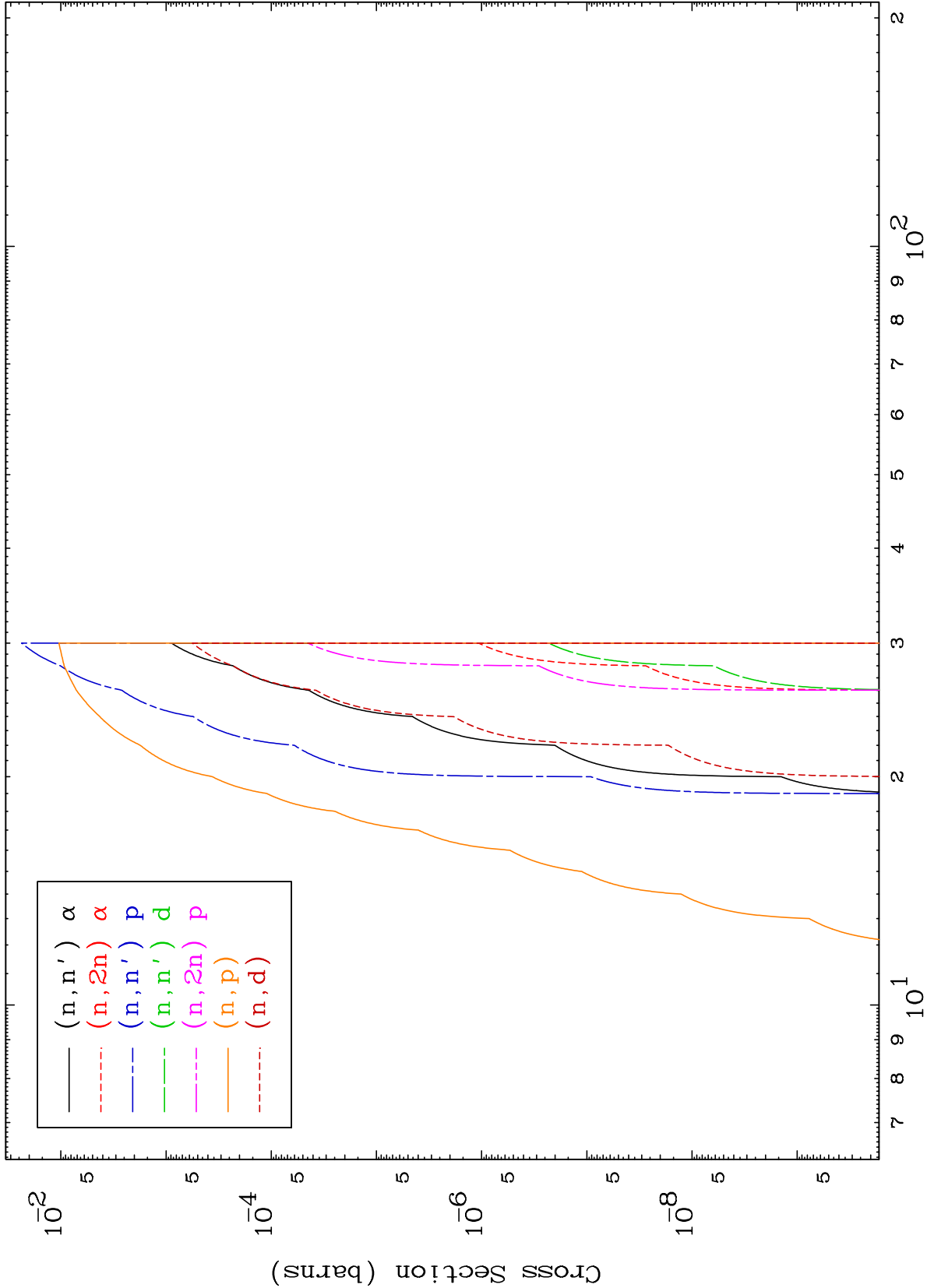
79-Au-189



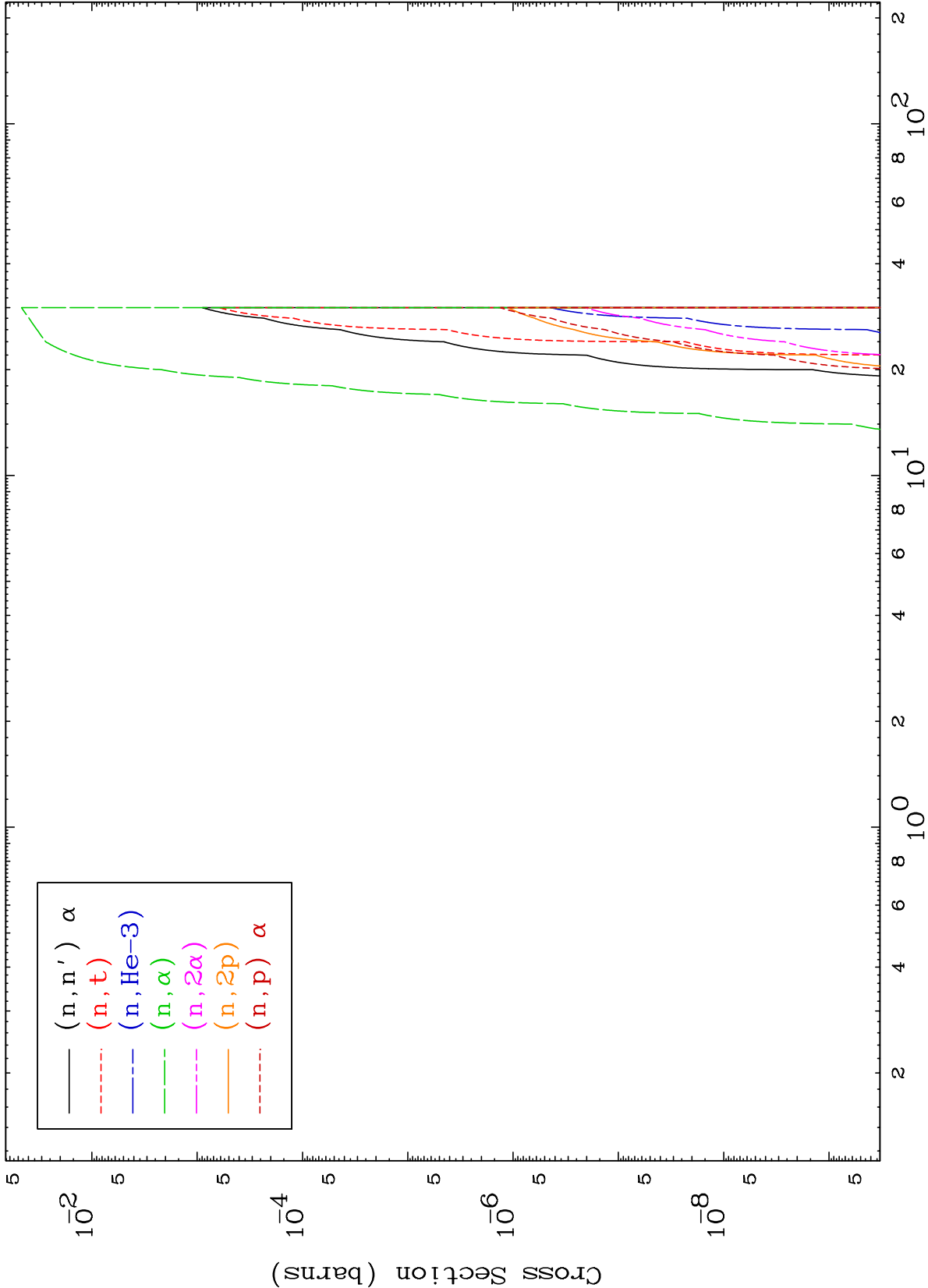
0 Kelvin Cross Sections



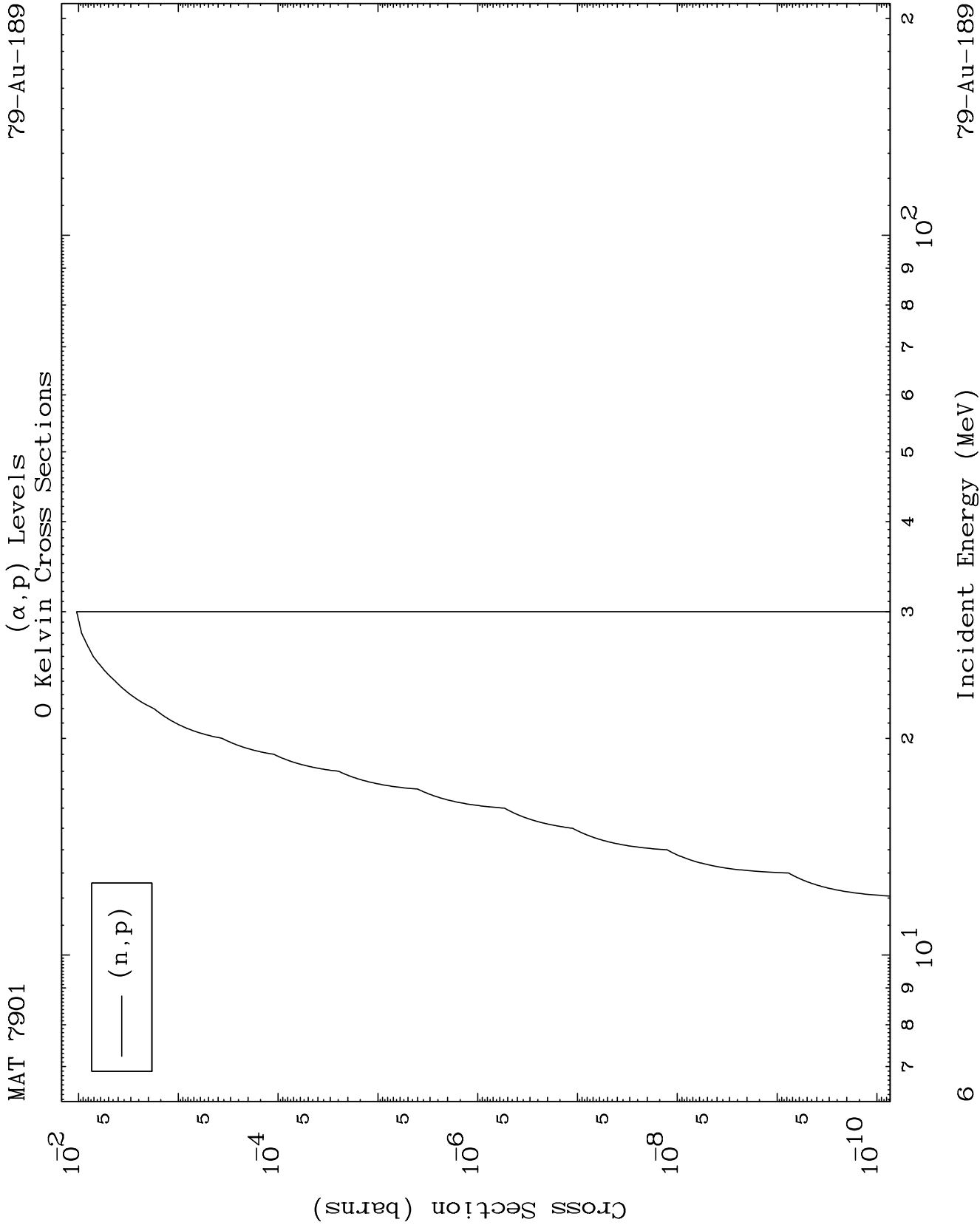
0 Kelvin Cross Sections



0 Kelvin Cross Sections



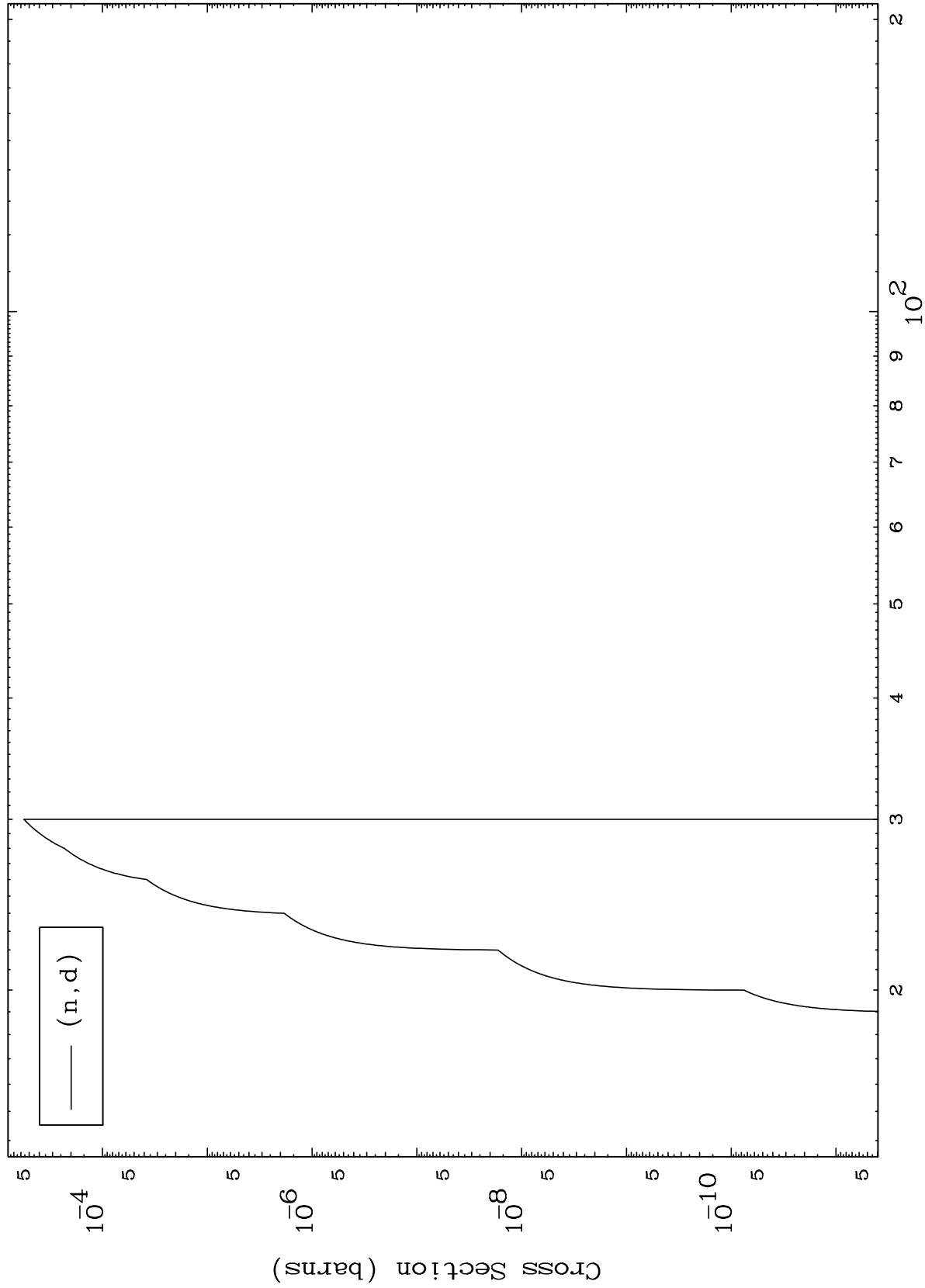
Incident Energy (MeV)



MAT 7901

79-Au-189

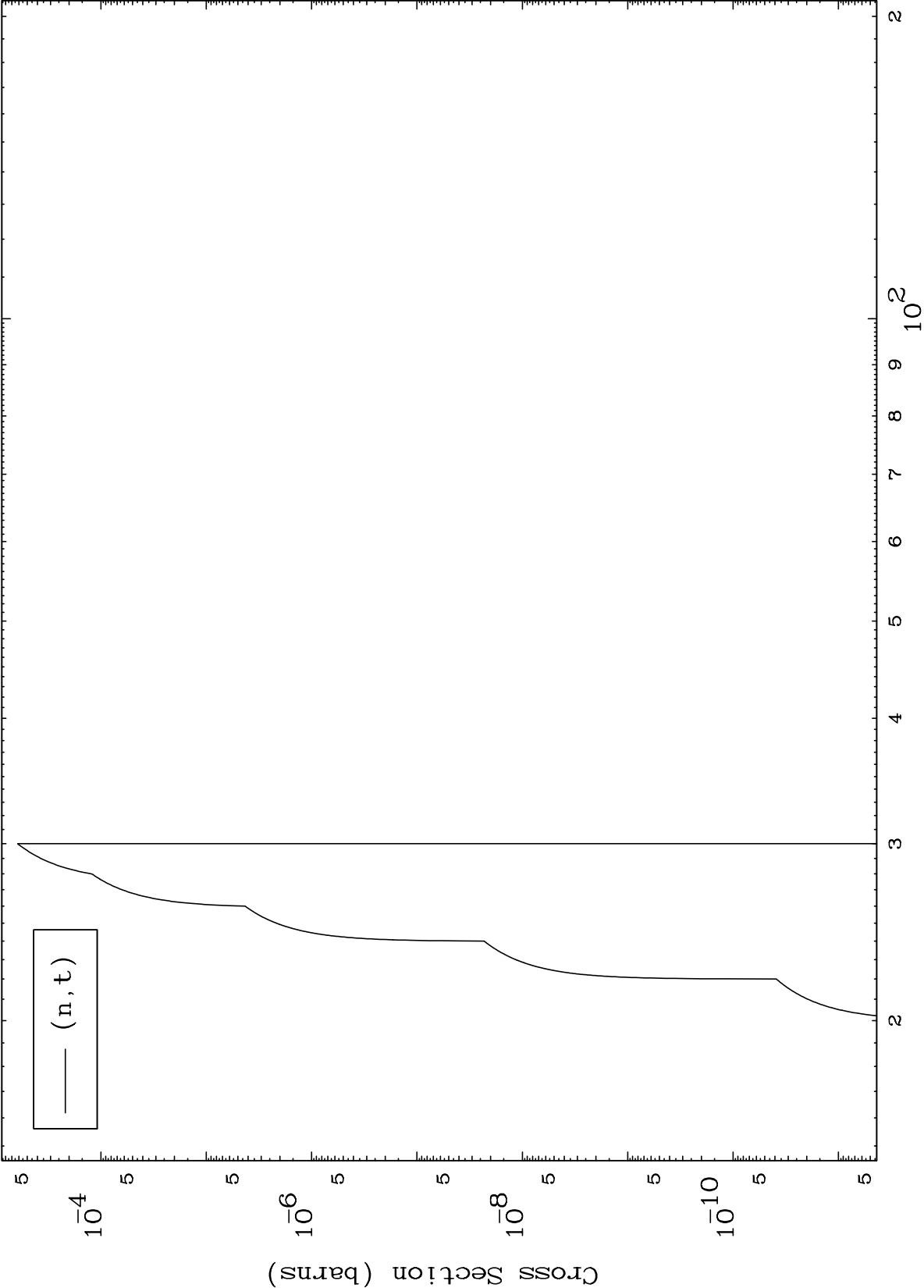
(α ,d) Levels
0 Kelvin Cross Sections



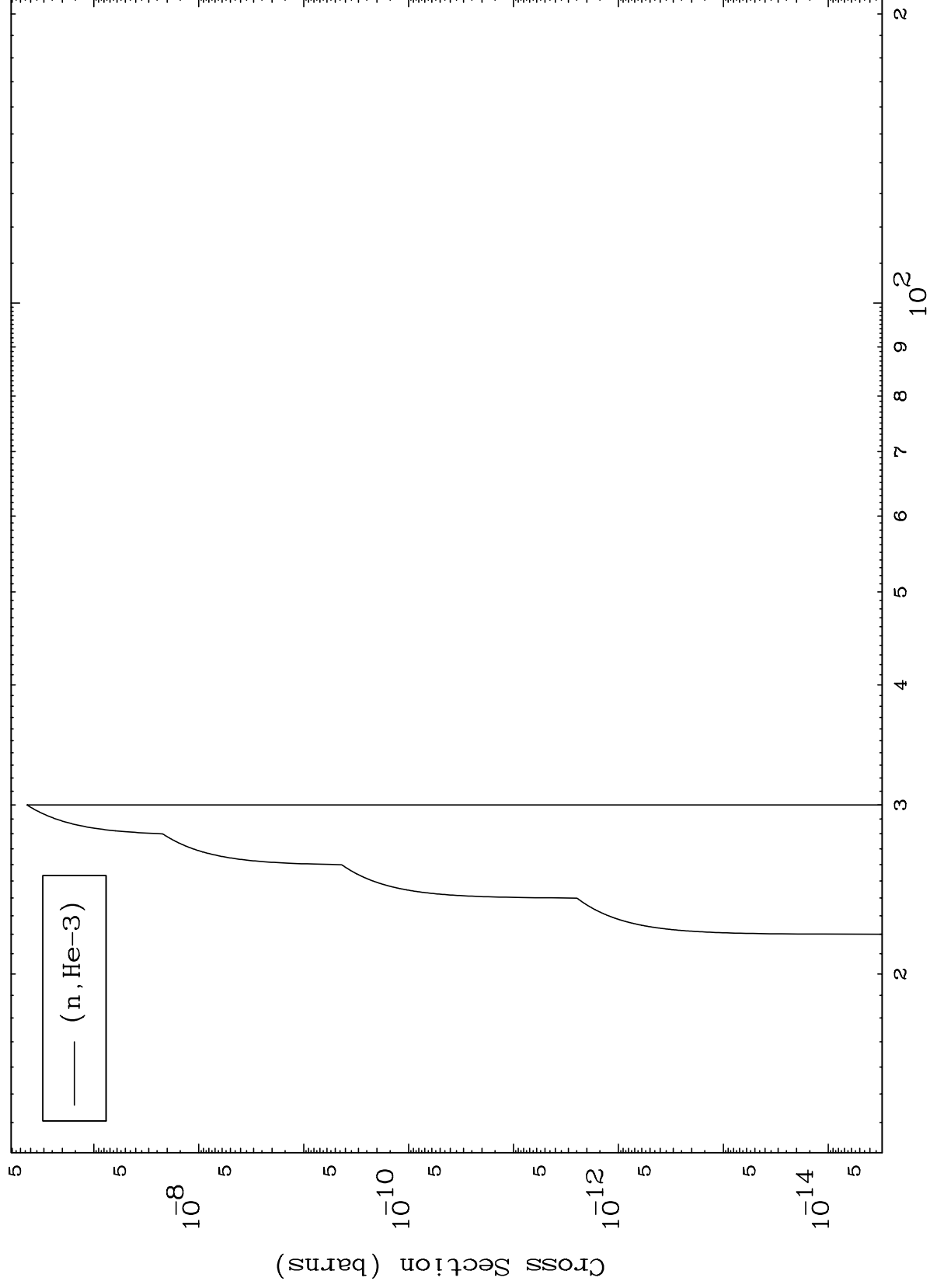
7

79-Au-189

Incident Energy (MeV)



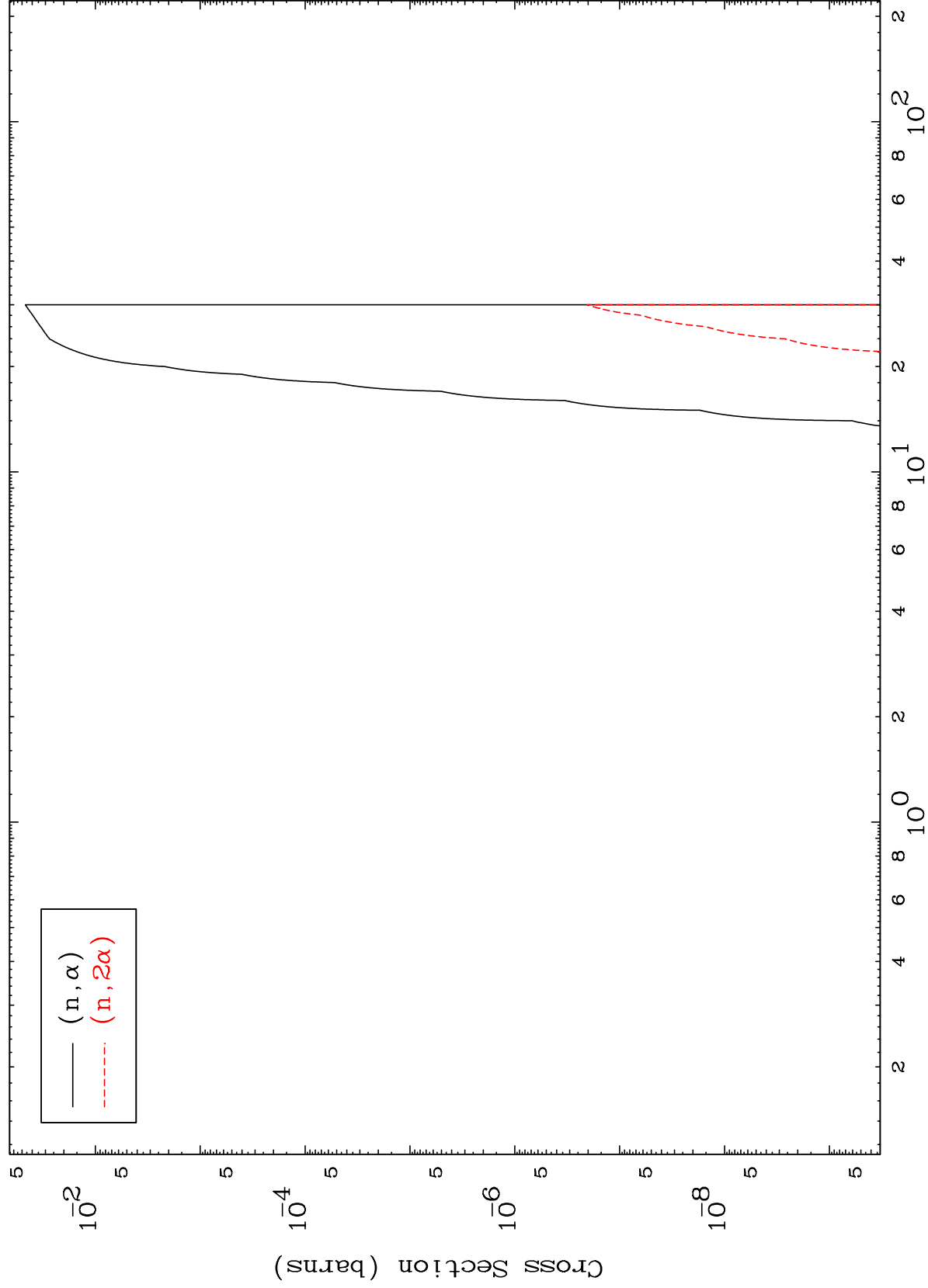
(α ,He3) Levels
0 Kelvin Cross Sections



MAT 7901

79-Au-189

(α, α) Levels
0 Kelvin Cross Sections

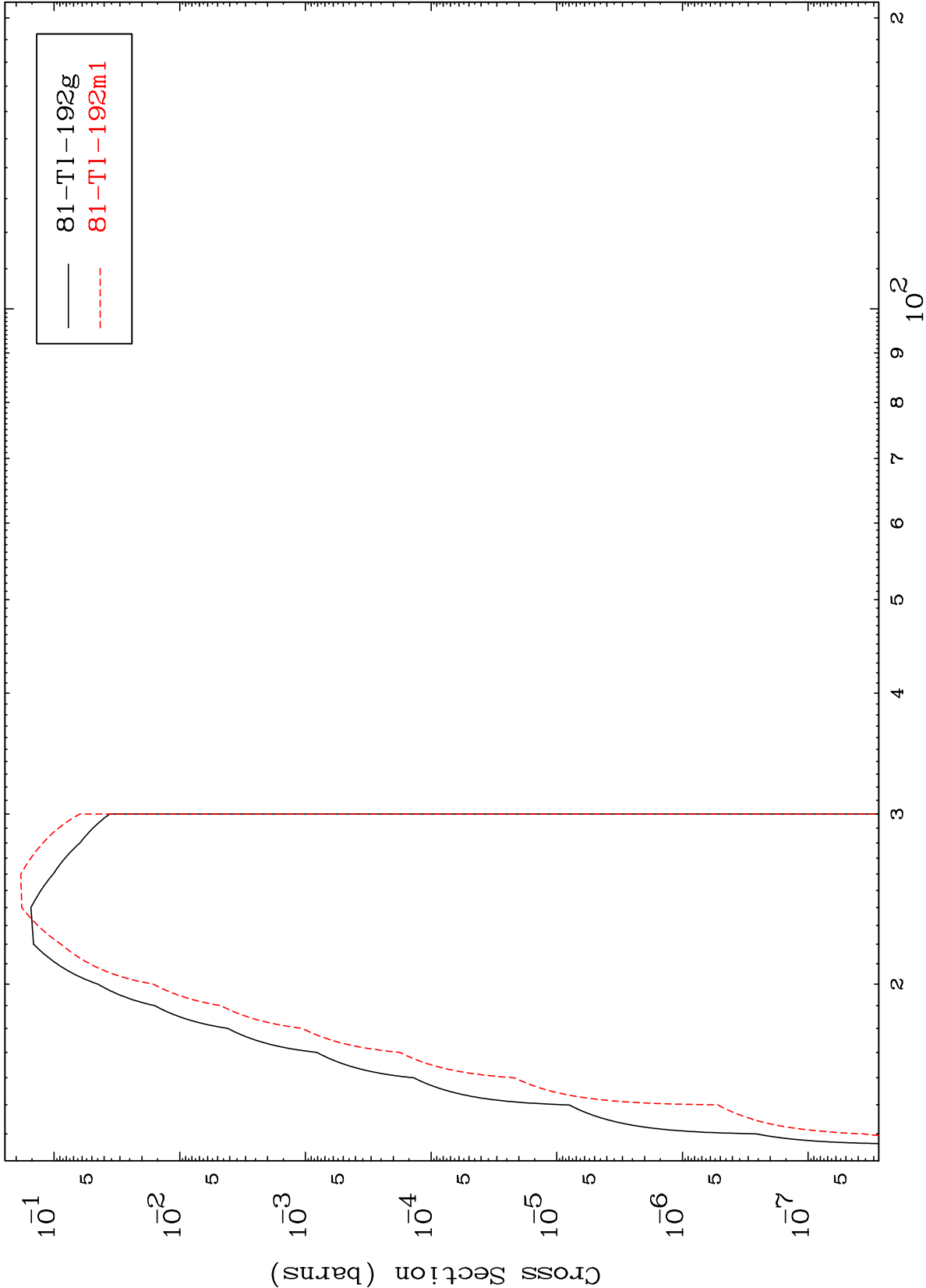


79-Au-189

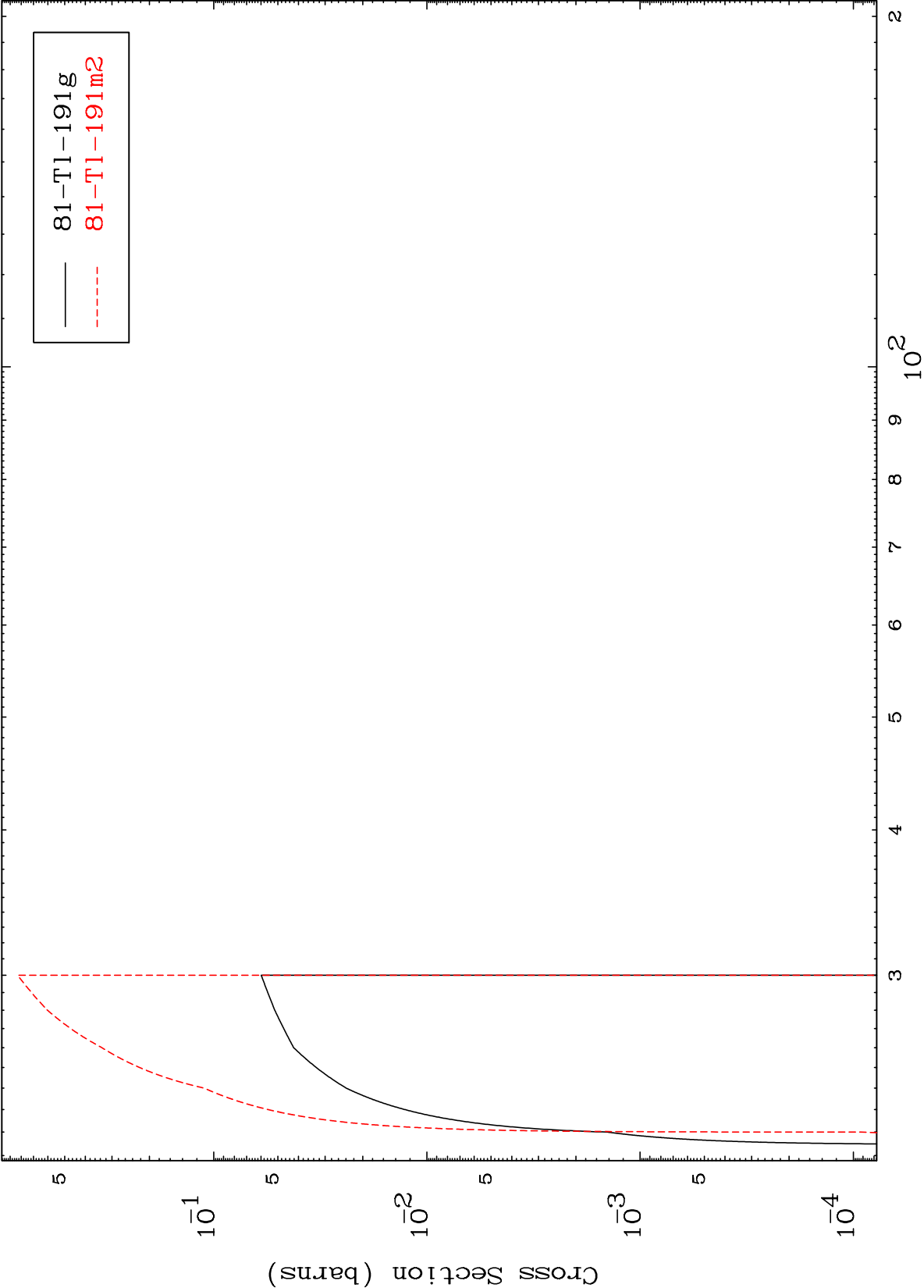
Incident Energy (MeV)

10

Inelastic
Radionuclide Production Cross Section



Radionuclide Production Cross Section
(n,2n)

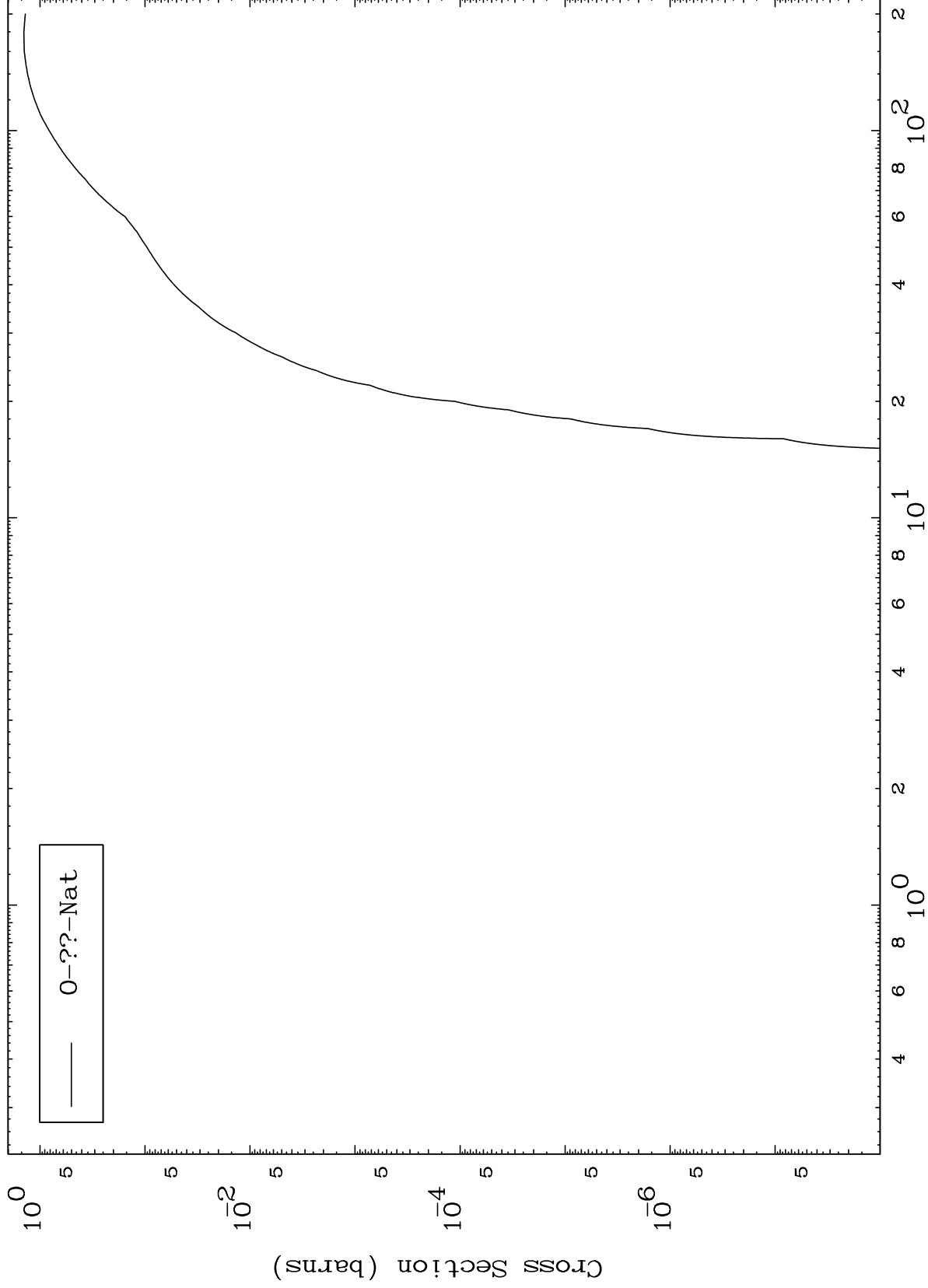


MAT 7901

Fission

⁷⁹Au-189

Radionuclide Production Cross Section



13

Incident Energy (MeV)

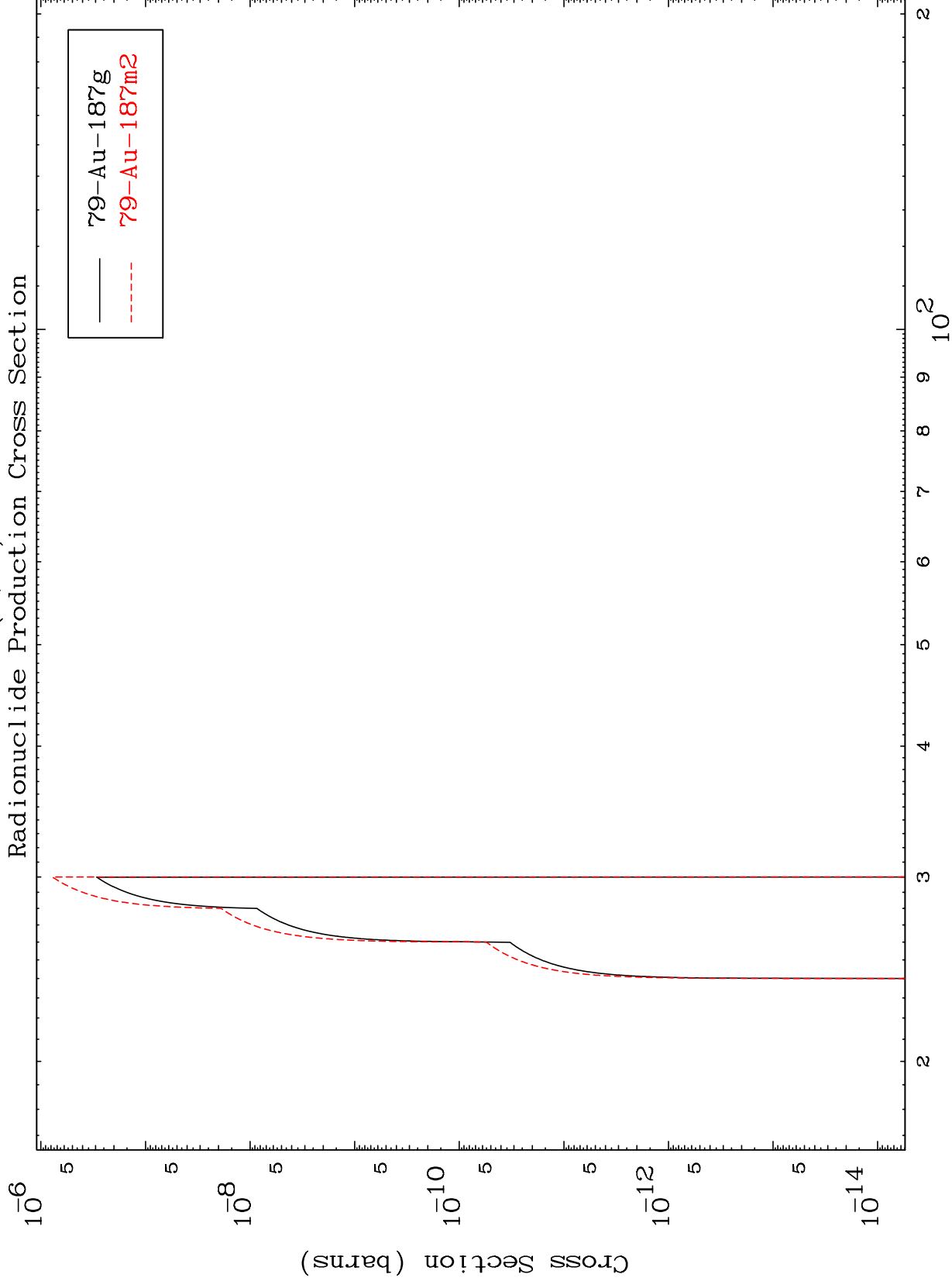
⁷⁹Au-189

MAT 7901

79-Au-189

$$(n, 2n) \propto$$

Radionuclide Production Cross Section

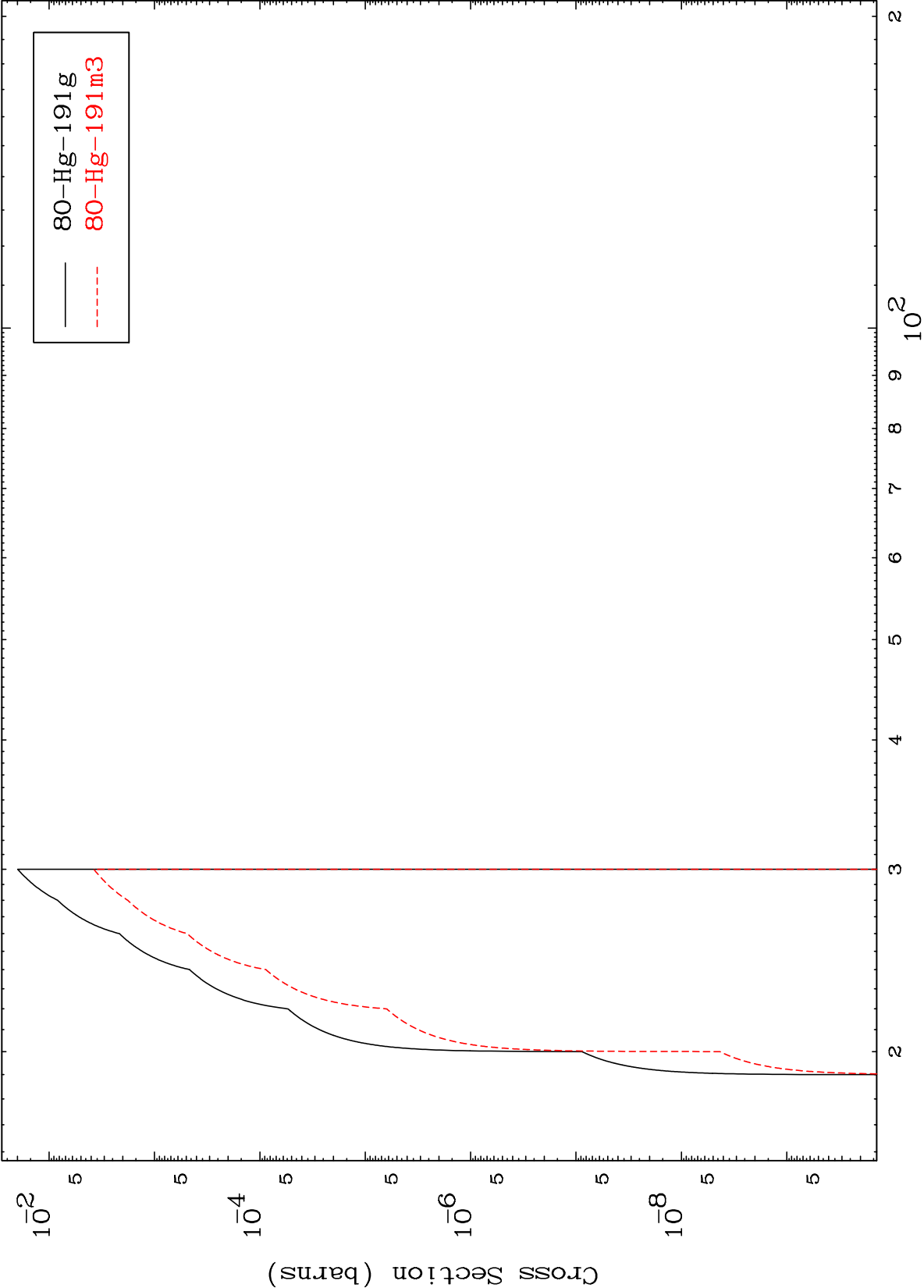


14

Incident Energy (MeV)

79-Au-189

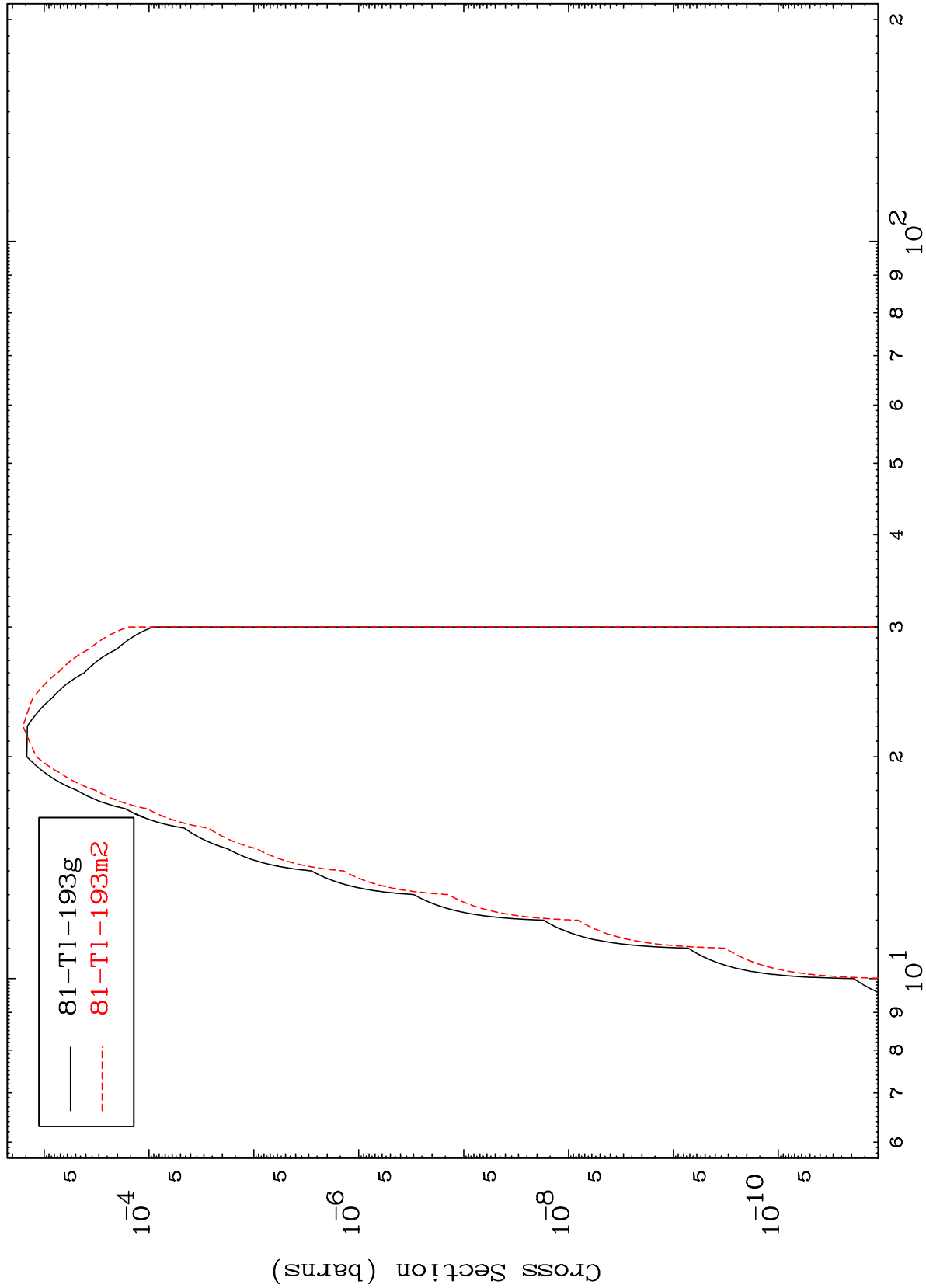
(n,n') p
Radionuclide Production Cross Section



MAT 7901

79-Au-189

Radionuclide Production Cross Section



Incident Energy (MeV)

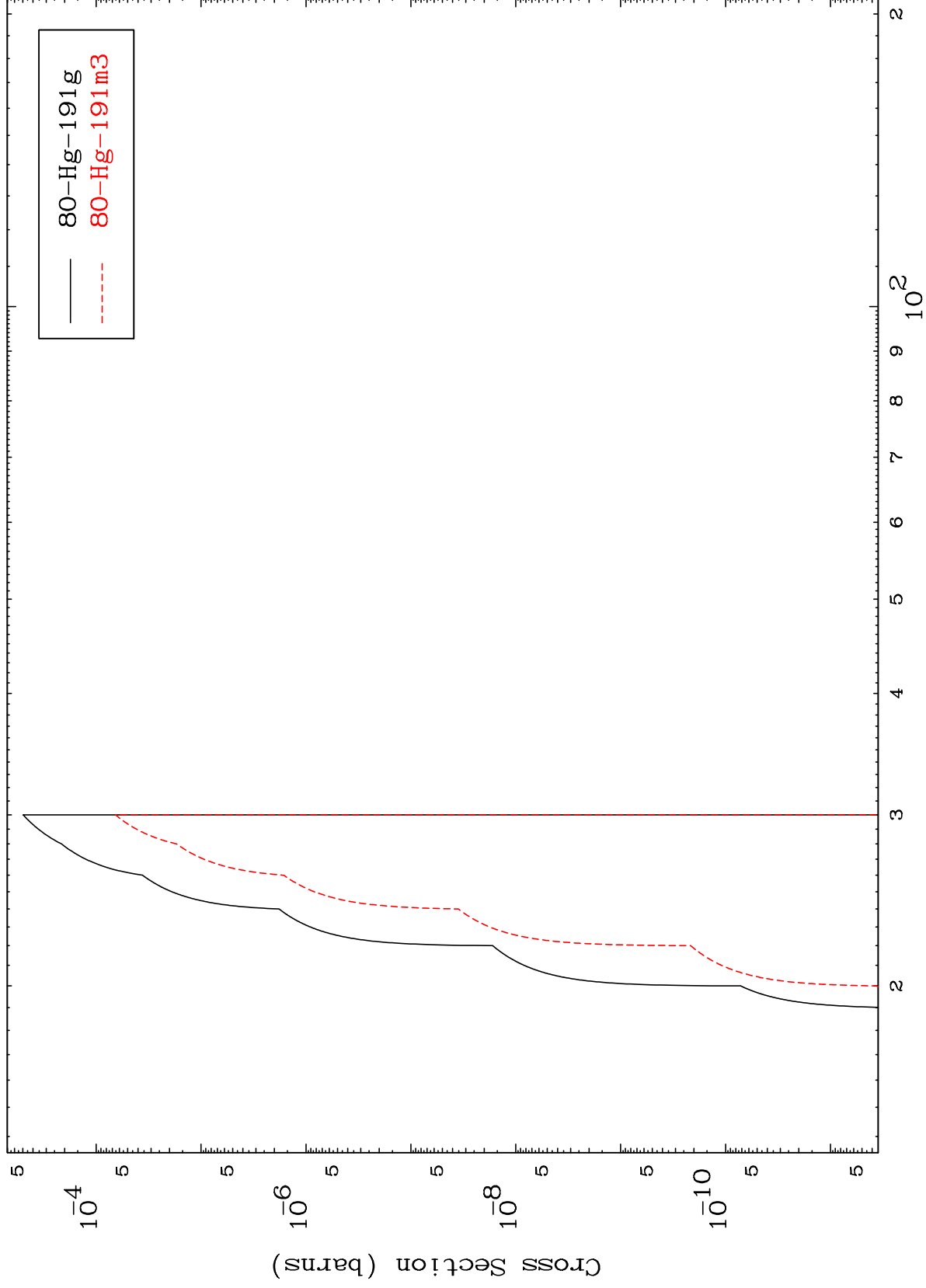
79-Au-189

16

MAT 7901

79-Au-189

(n,d)
Radionuclide Production Cross Section



17

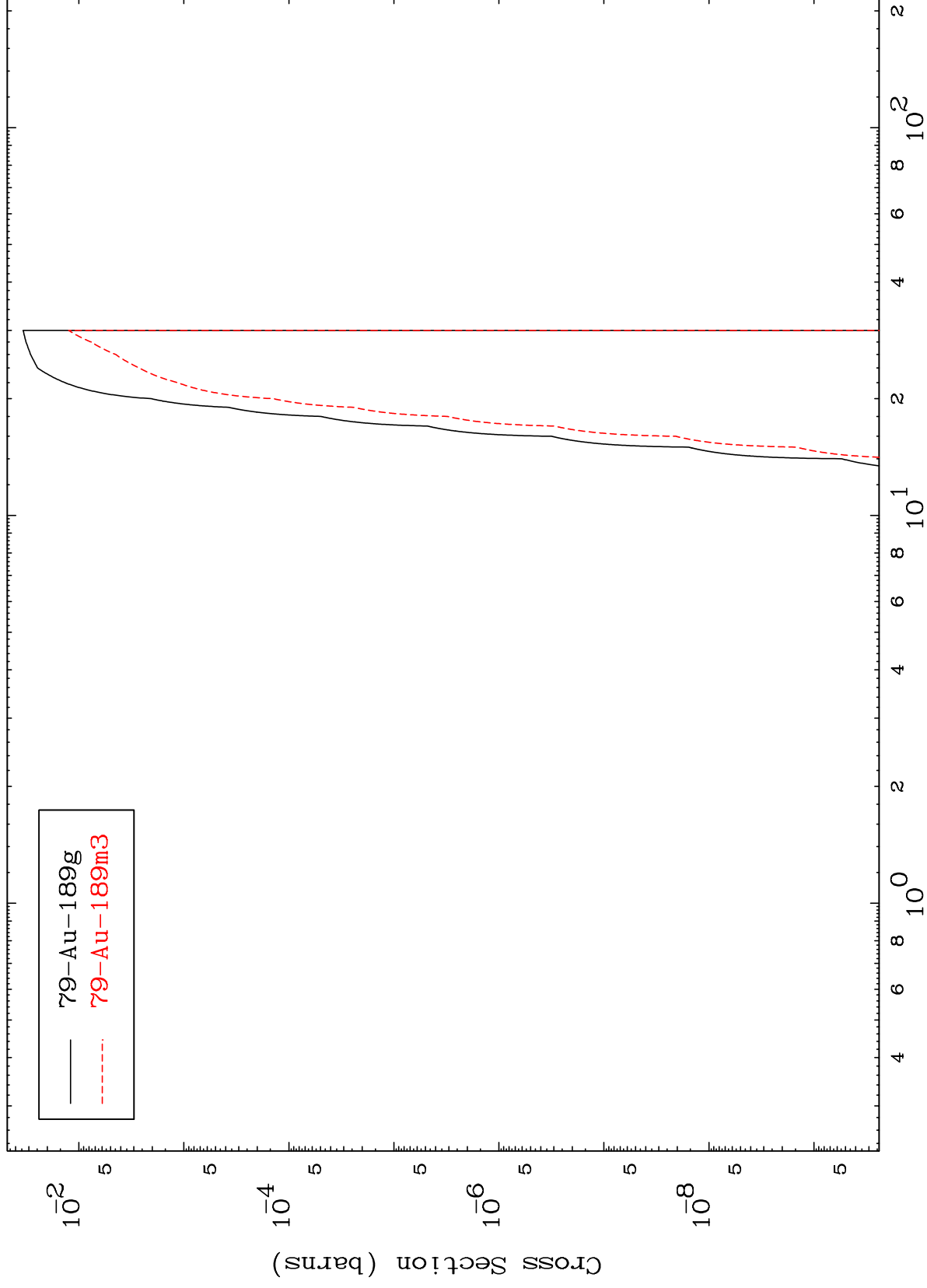
Incident Energy (MeV)

79-Au-189

MAT 7901

79-Au-189

Radionuclide Production Cross Section
(n, α)



18

Incident Energy (MeV)

79-Au-189

Radionuclide Production Cross Section
(n,2p)