

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

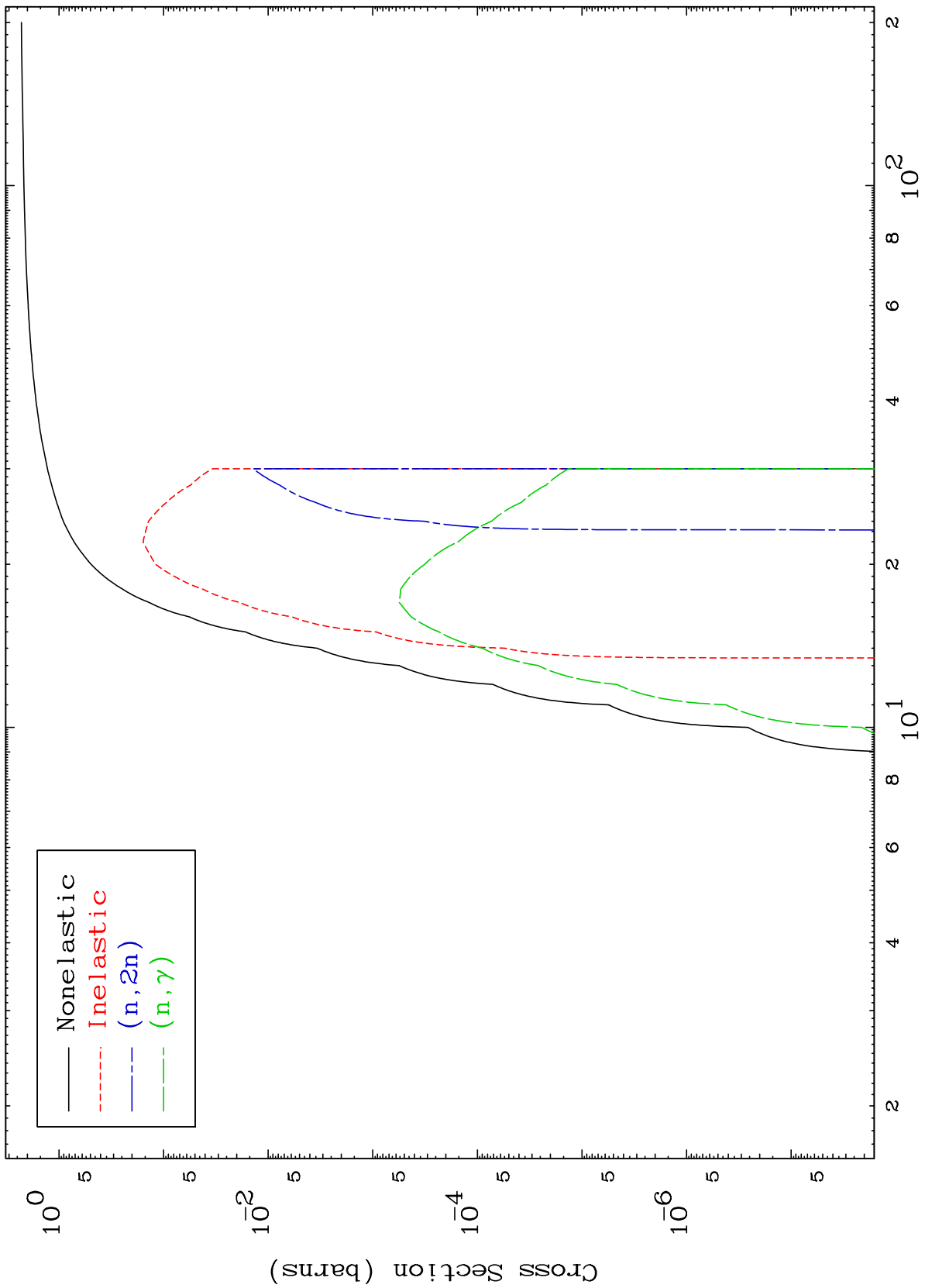
Press Mouse Button to Start

MAT 5896

α Major

59-Pr-131m

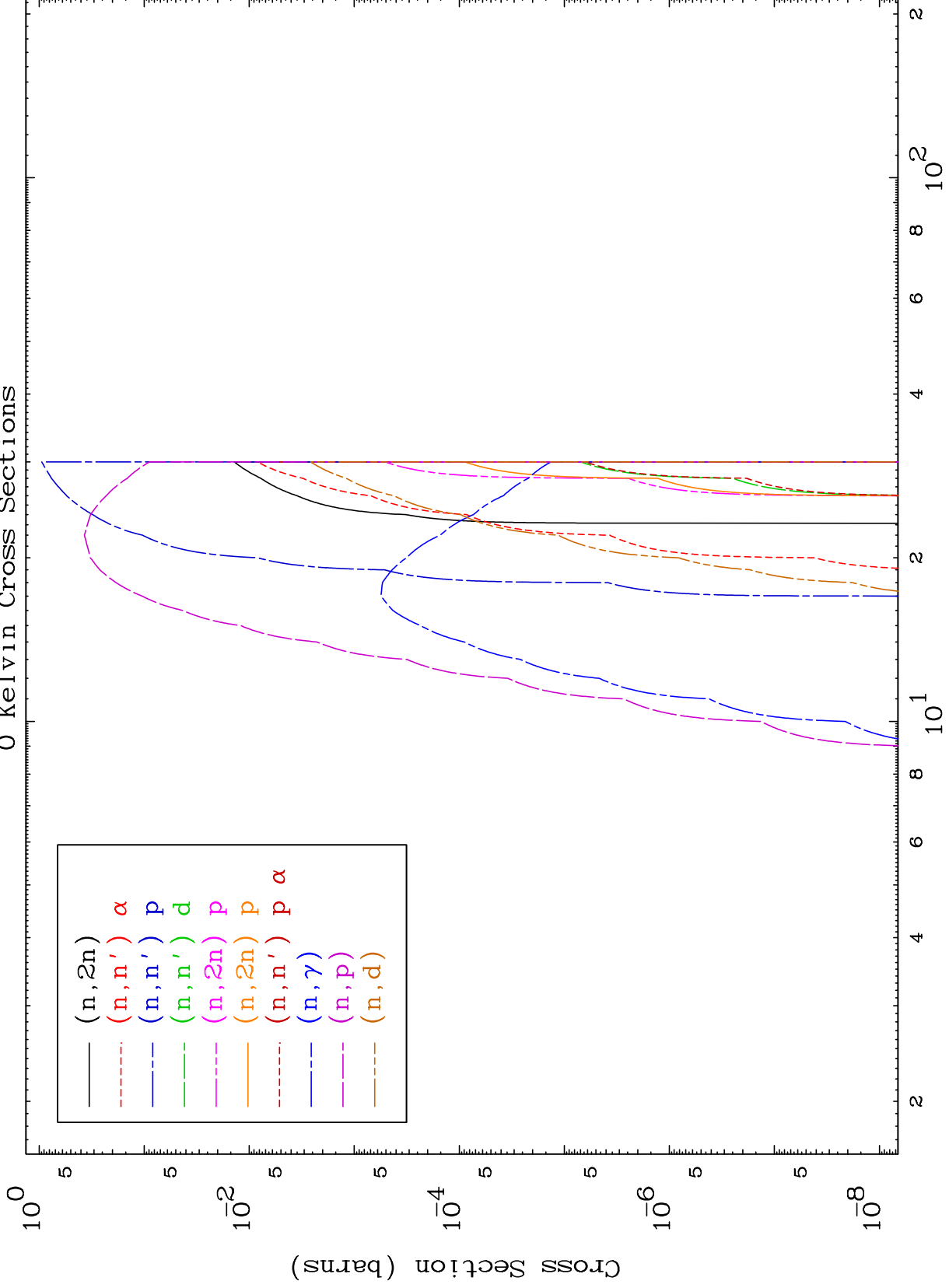
0 Kelvin Cross Sections



MAT 5896

α Neutron Absorption
0 Kelvin Cross Sections

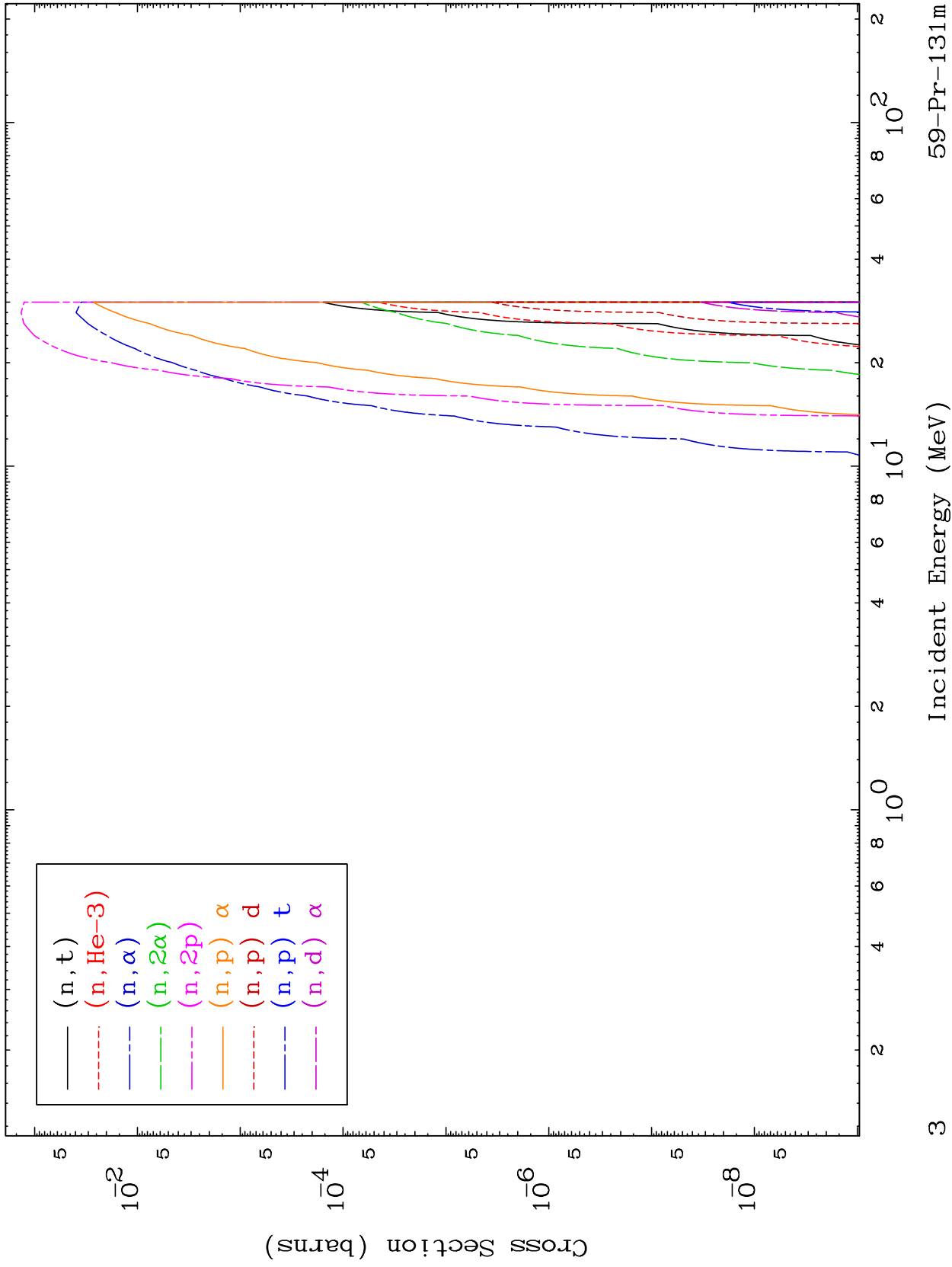
59-Pr-131m

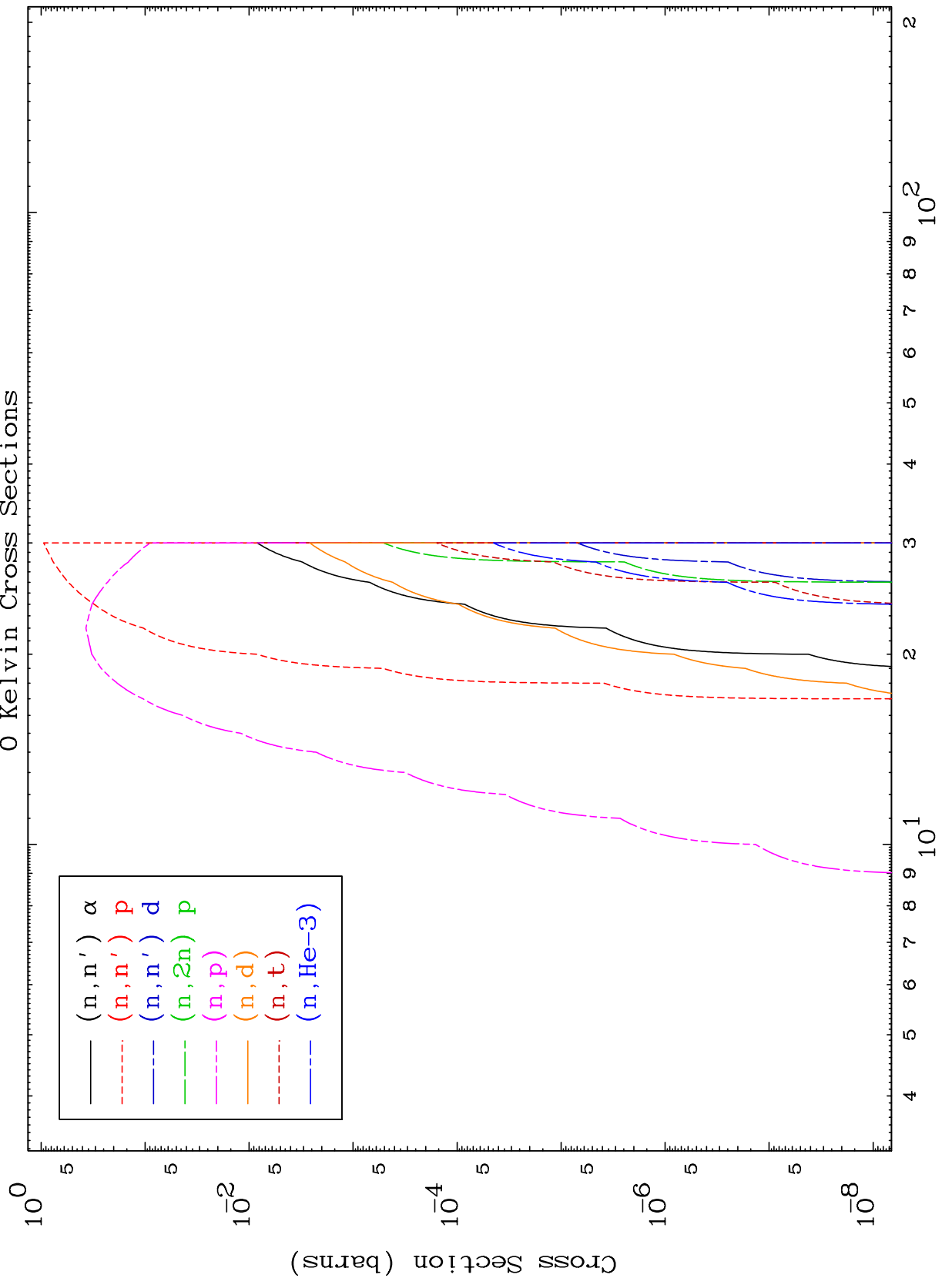


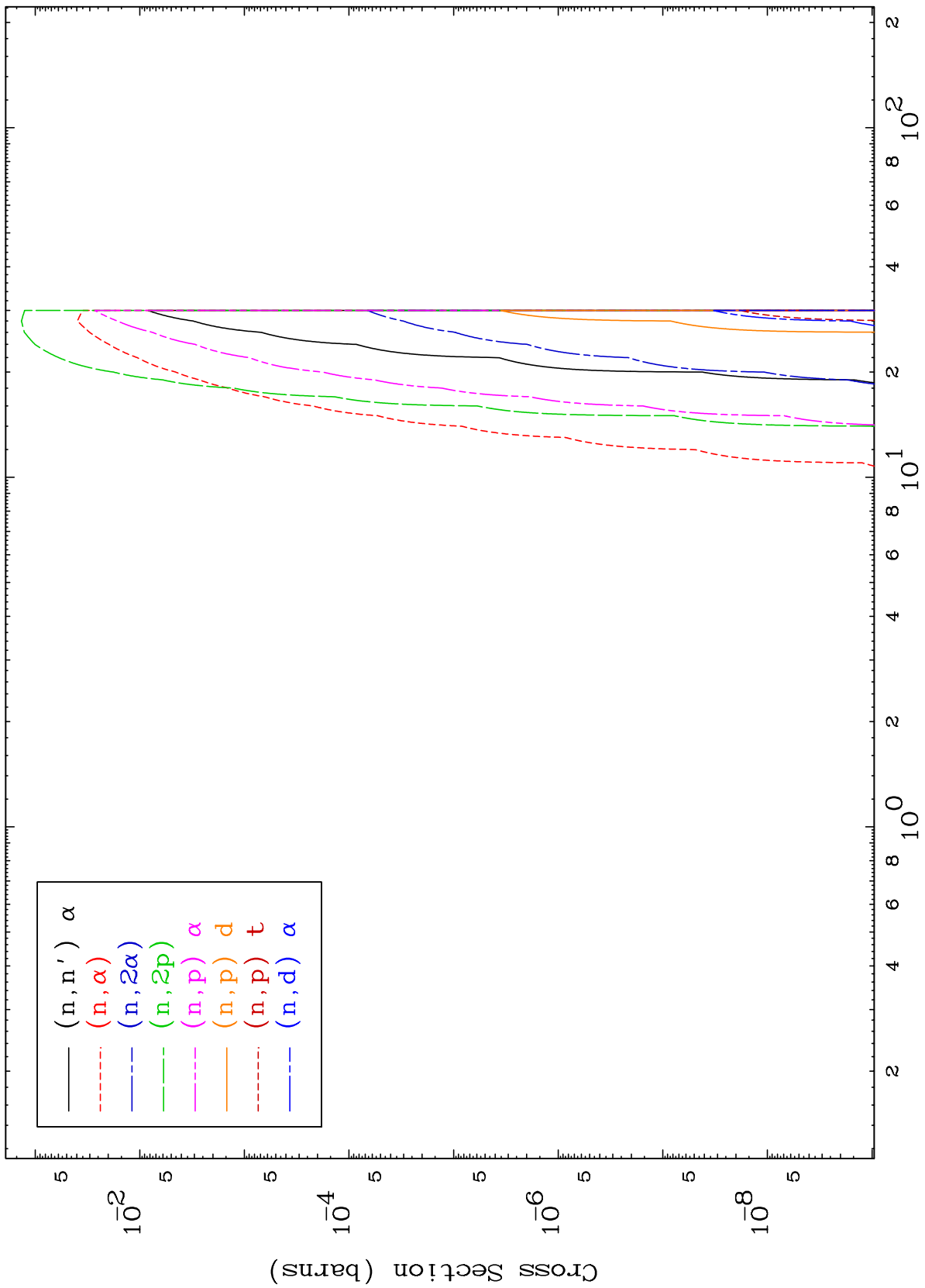
2

Incident Energy (MeV)

59-Pr-131m





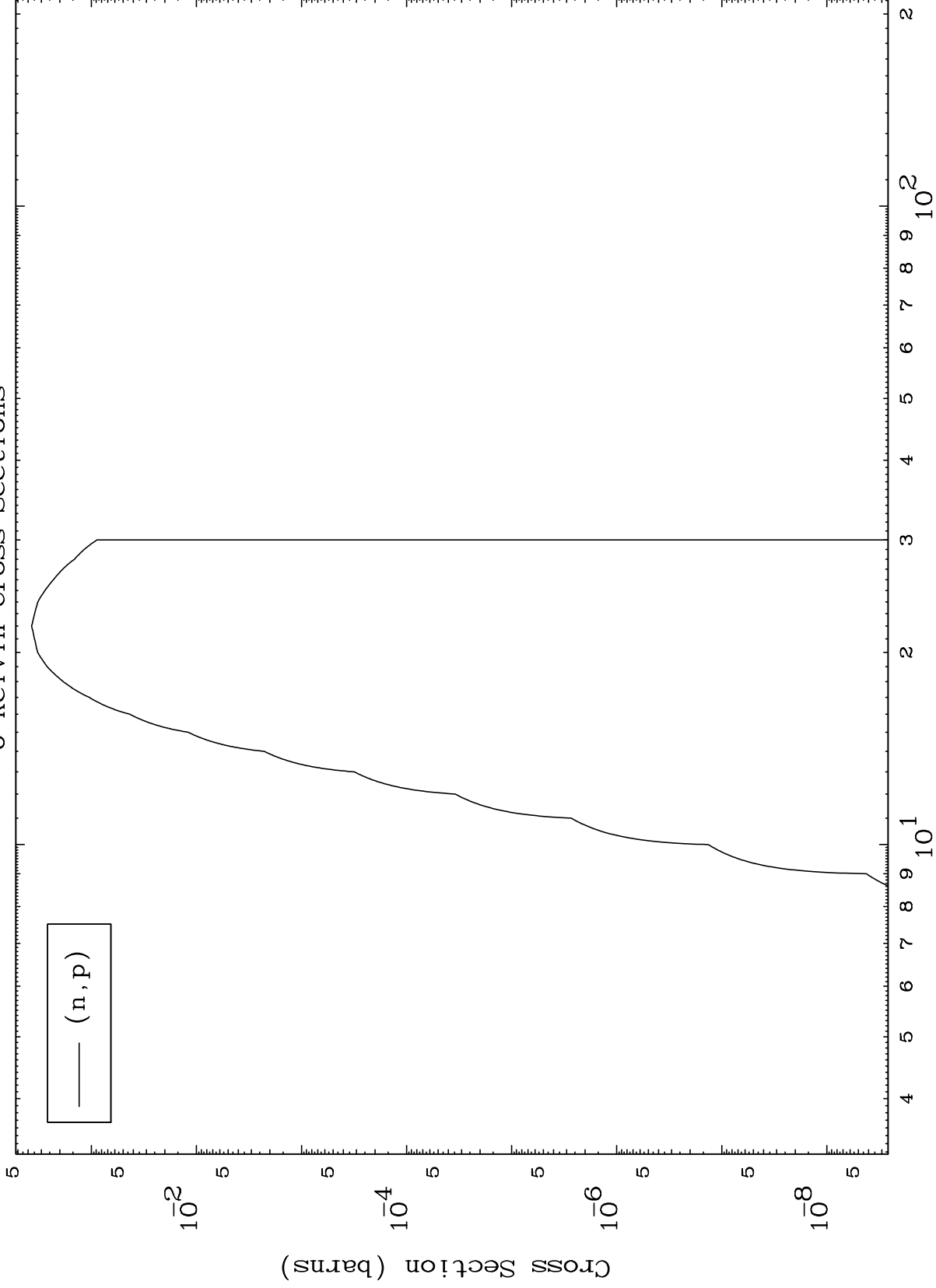


MAT 5896

(α, p) Levels

59-Pr-131m

0 Kelvin Cross Sections



6

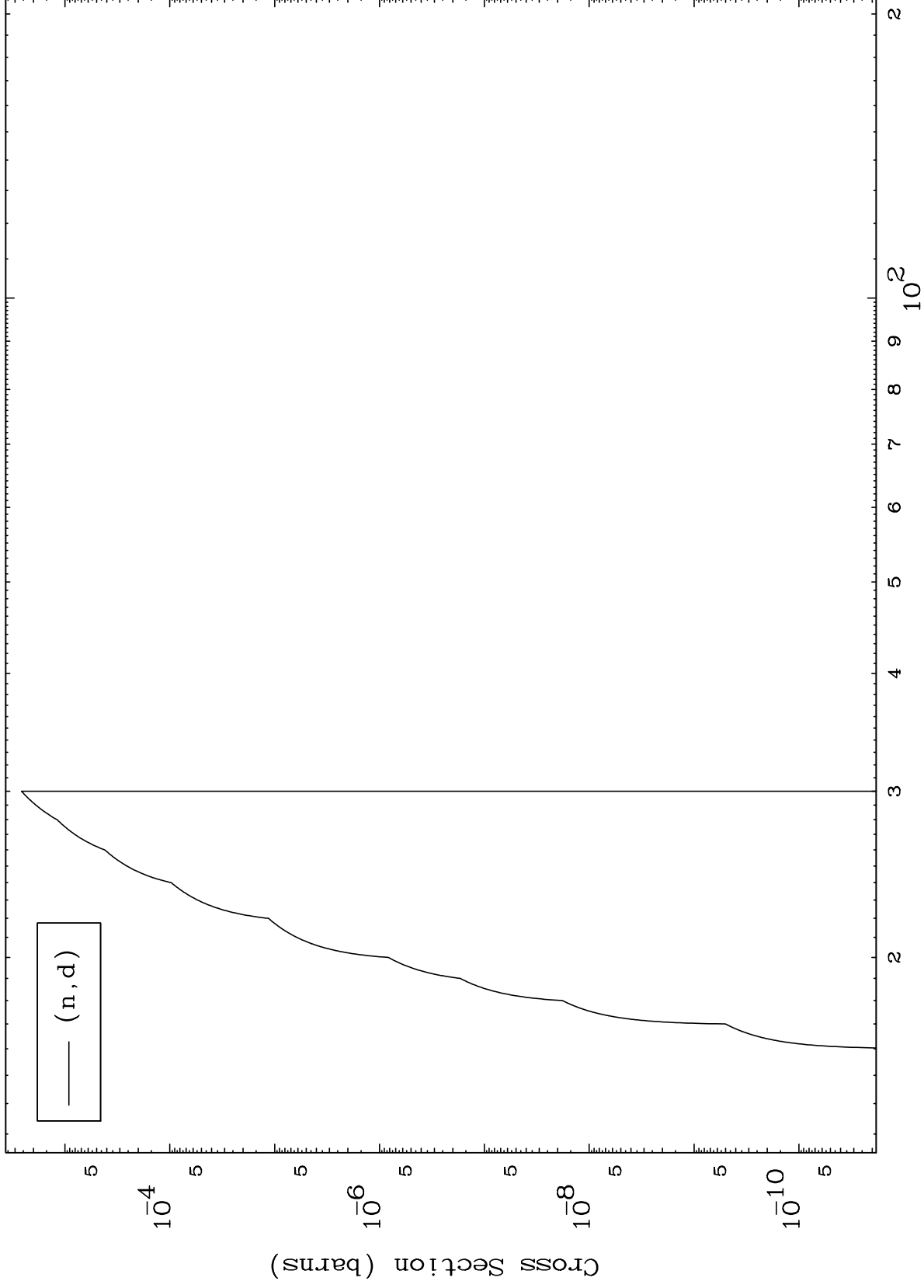
Incident Energy (MeV)

59-Pr-131m

MAT 5896

(α, d) Levels
0 Kelvin Cross Sections

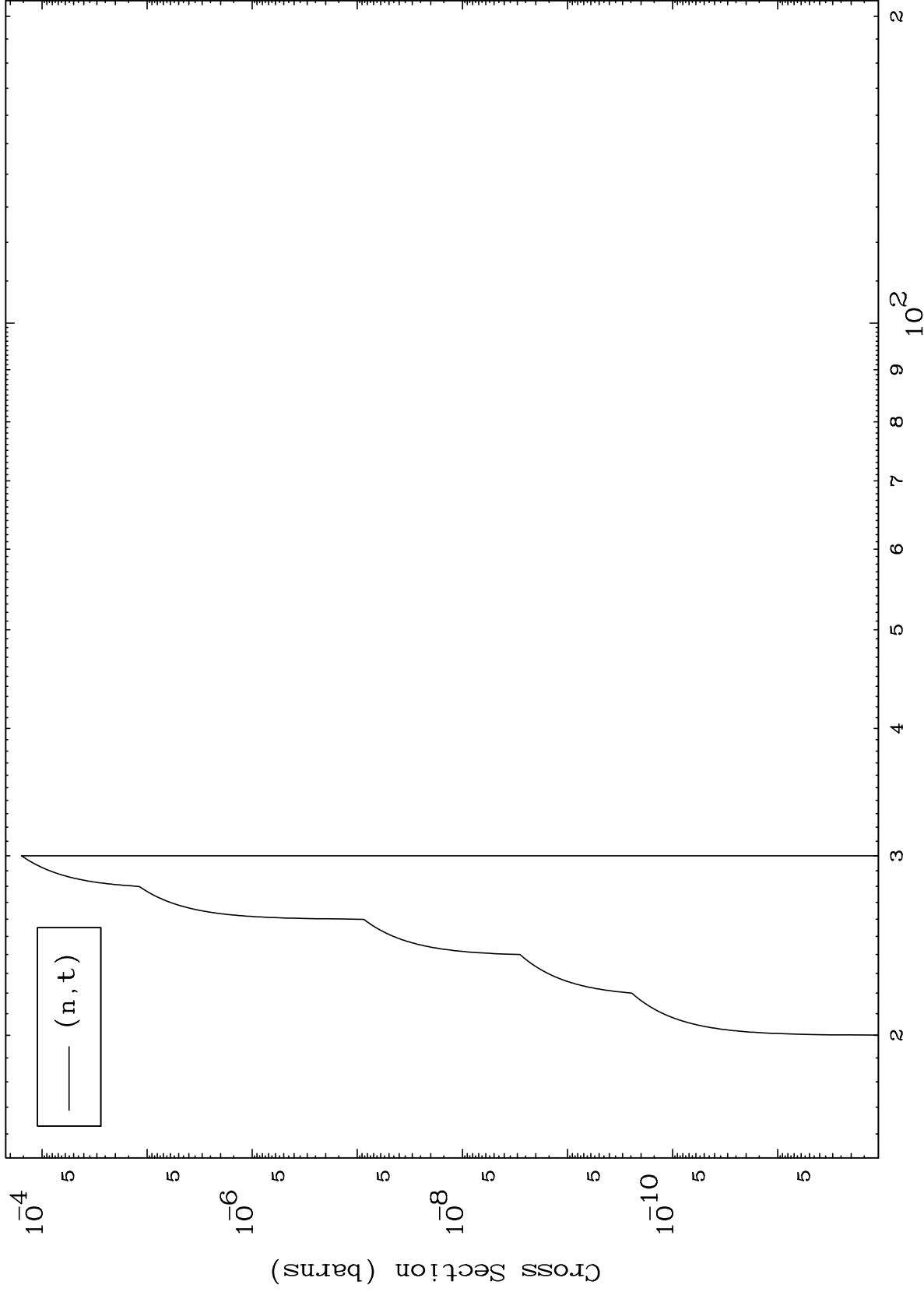
59-Pr-131m

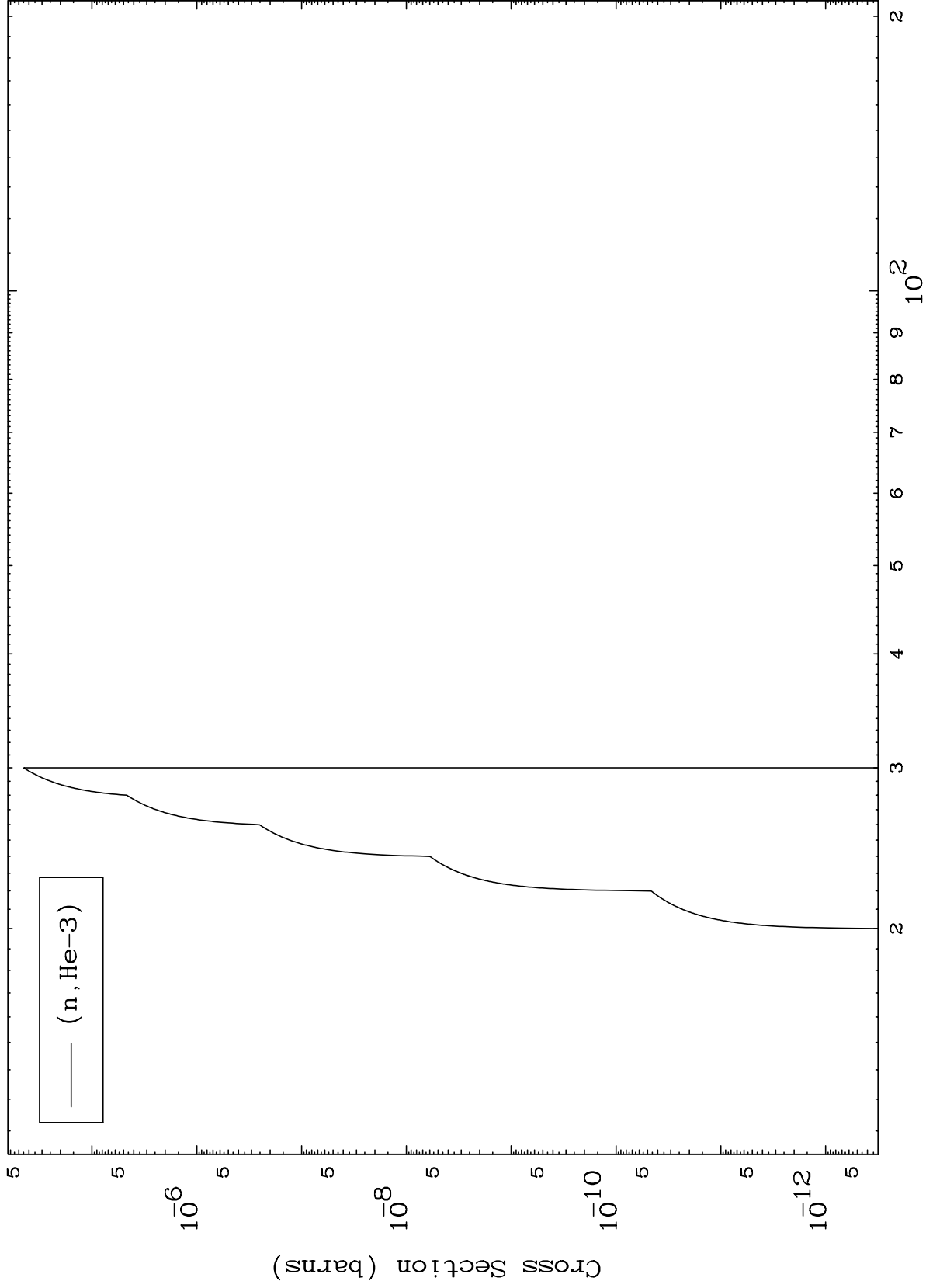


7

Incident Energy (MeV)

59-Pr-131m



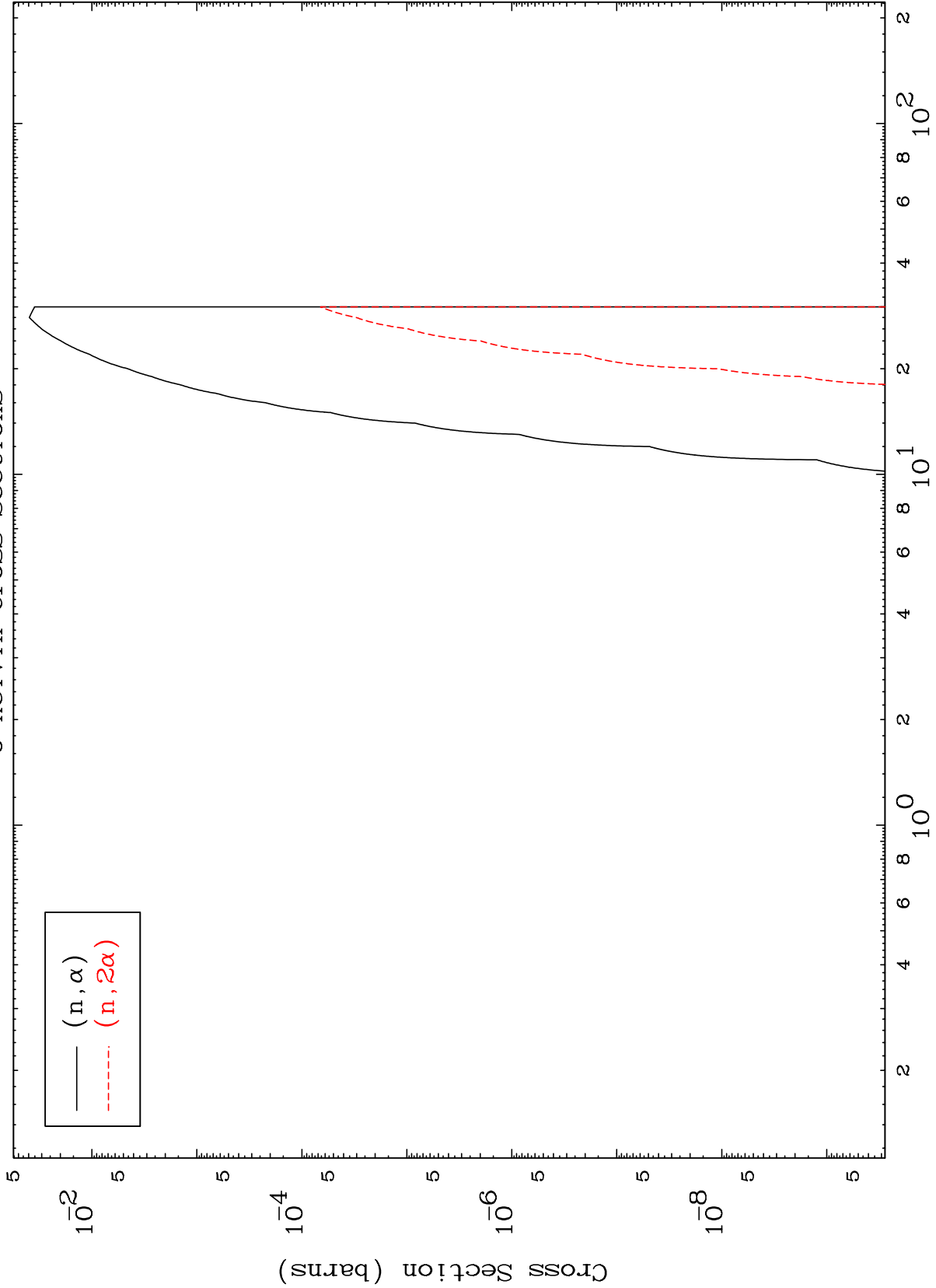


MAT 5896

(α, α) Levels

59-Pr-131m

0 Kelvin Cross Sections



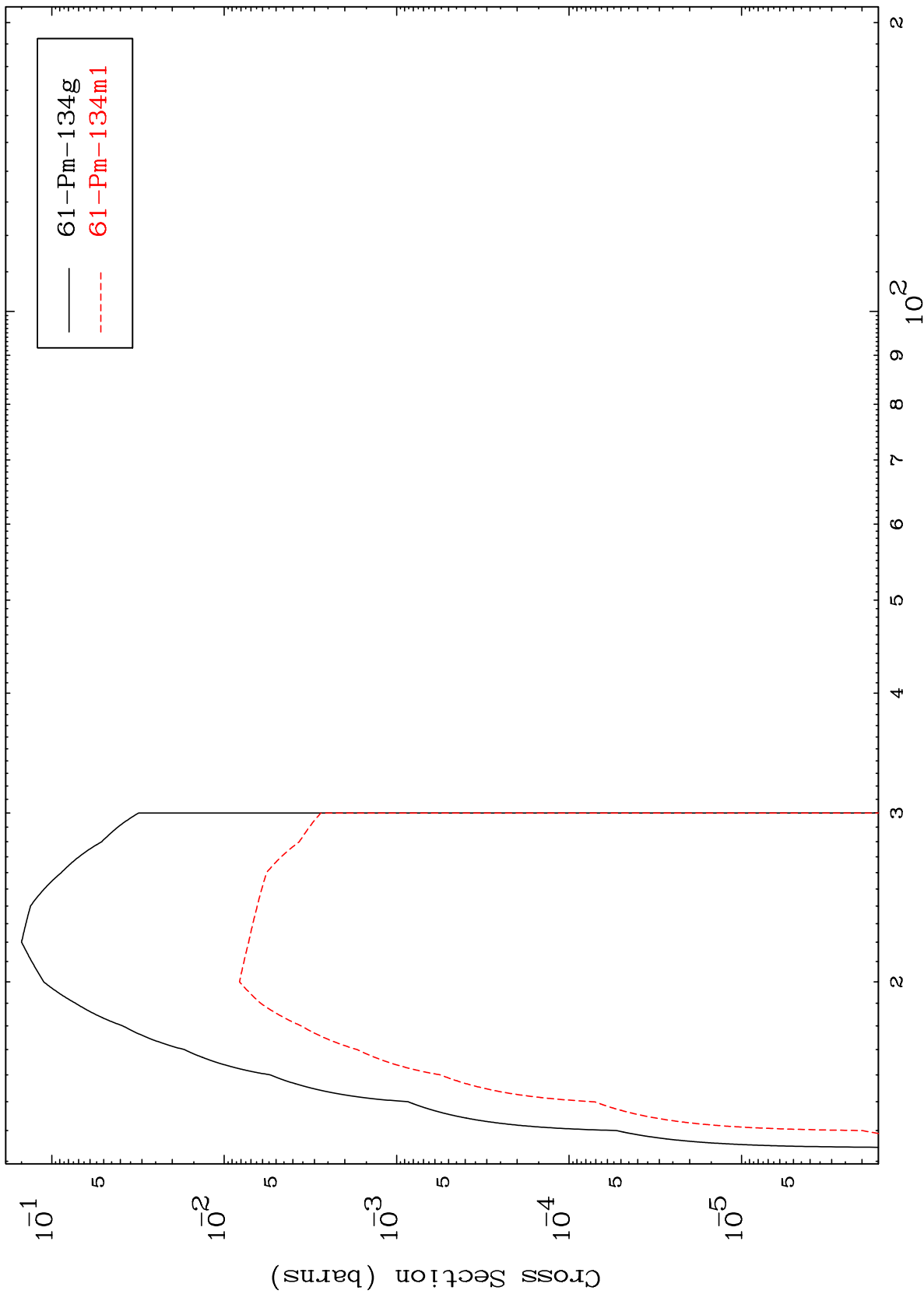
— (n, α)
- - - ($n, 2\alpha$)

10

Incident Energy (MeV)

59-Pr-131m

Inelastic
Radionuclide Production Cross Section

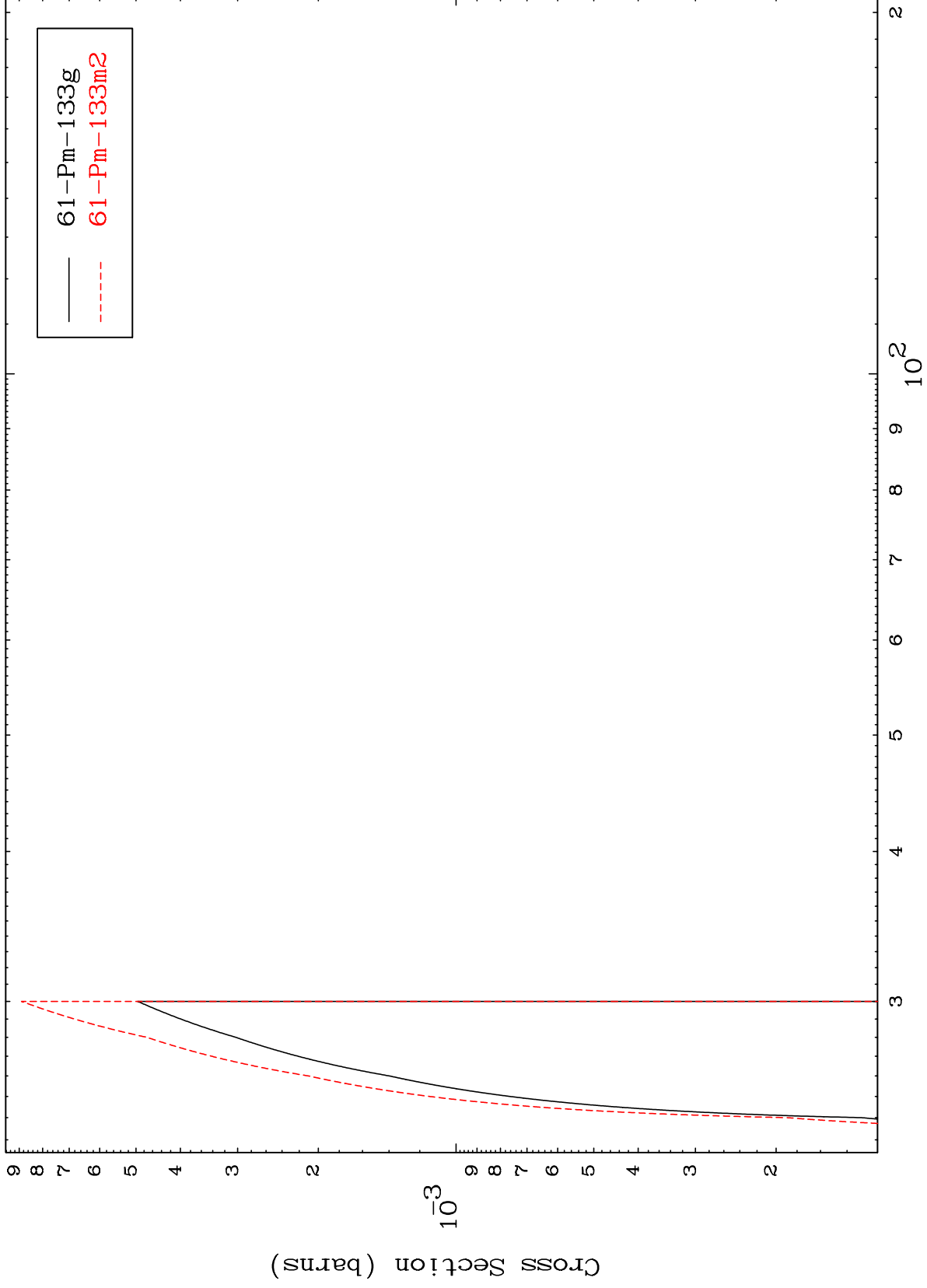


MAT 5896

(n,2n)

59-Pr-131m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

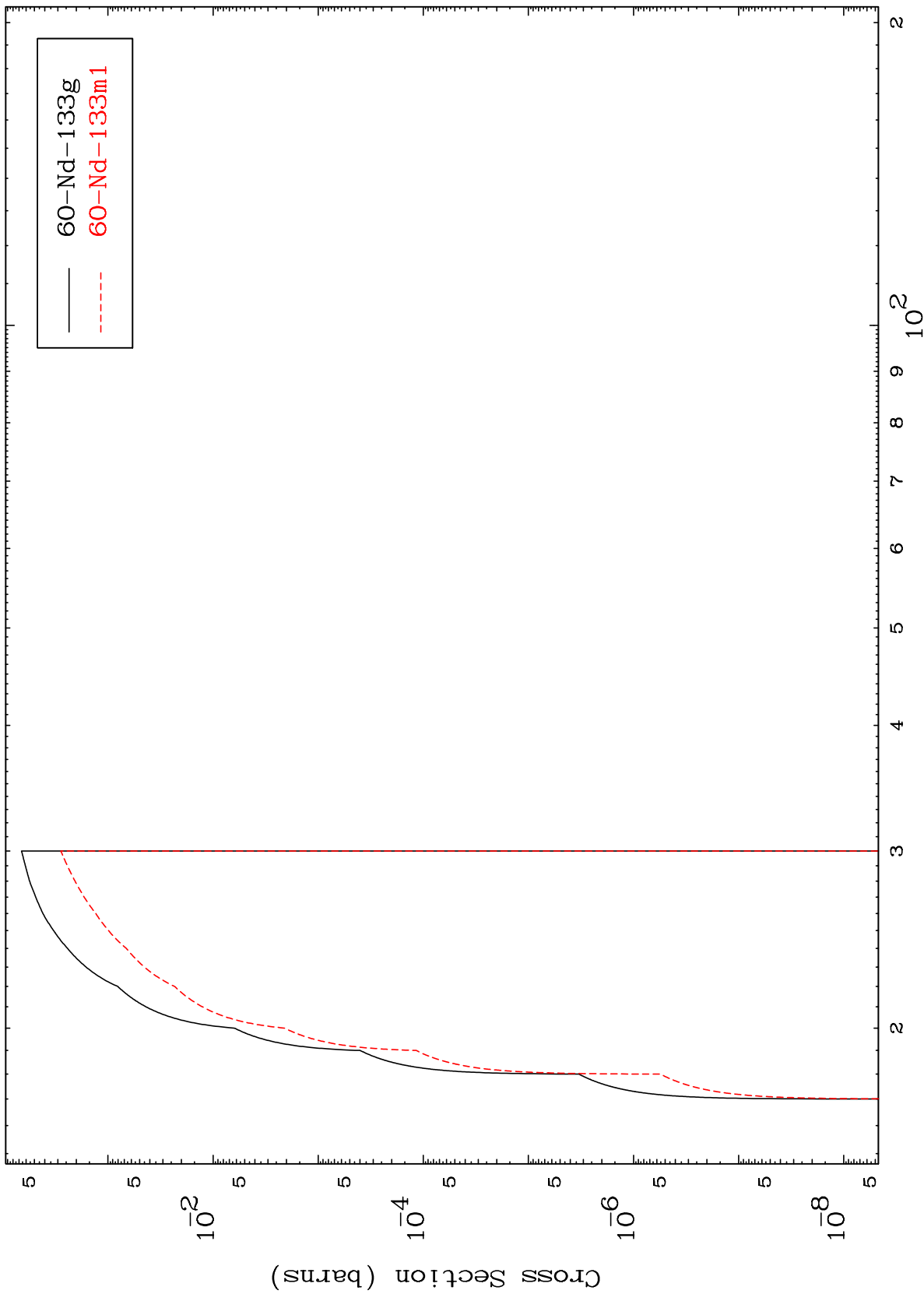
59-Pr-131m

MAT 5896

(n,n') p

59-Pr-131m

Radionuclide Production Cross Section



13

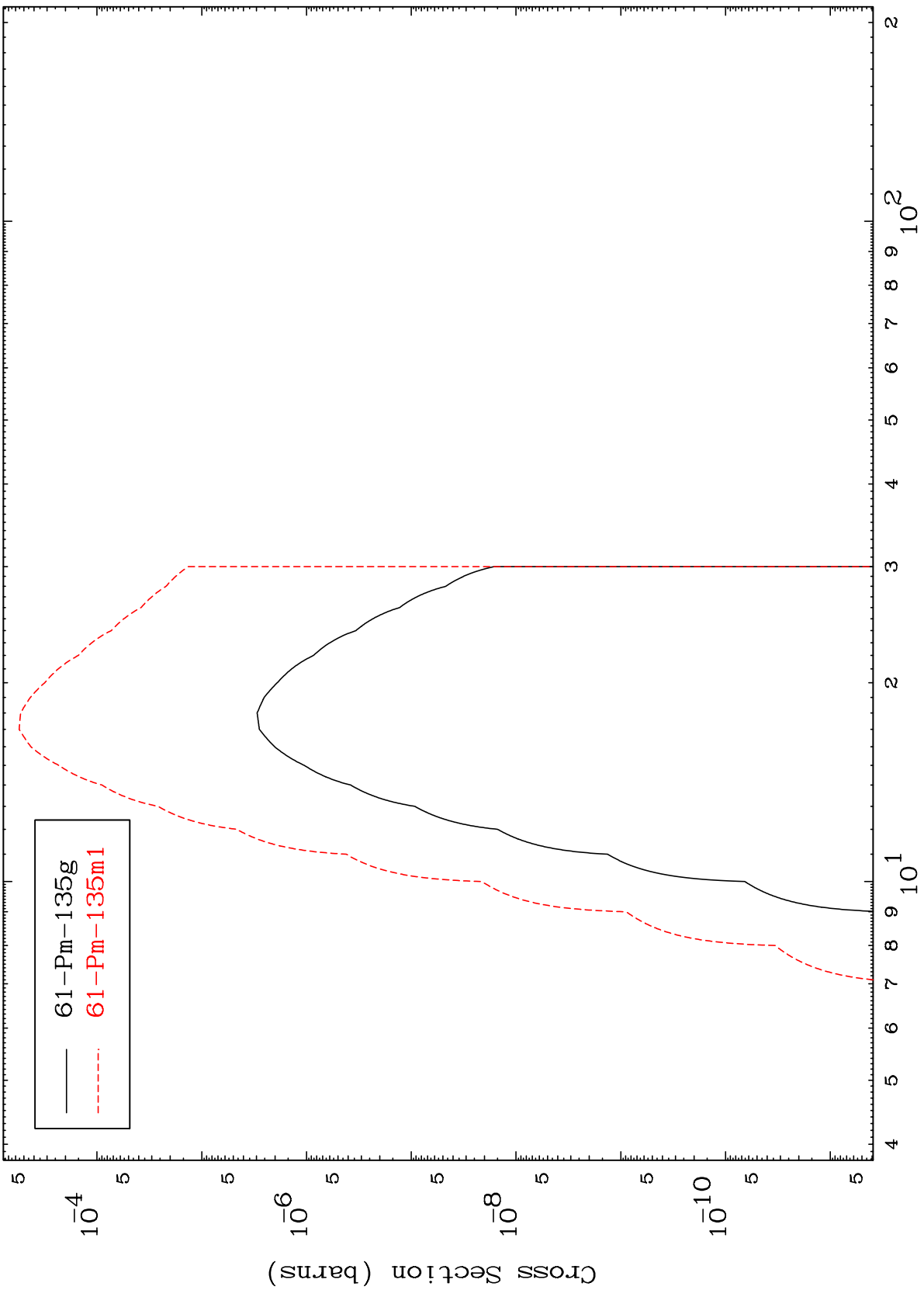
Incident Energy (MeV)

59-Pr-131m

MAT 5896

59-Pr-131m

(n, γ)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

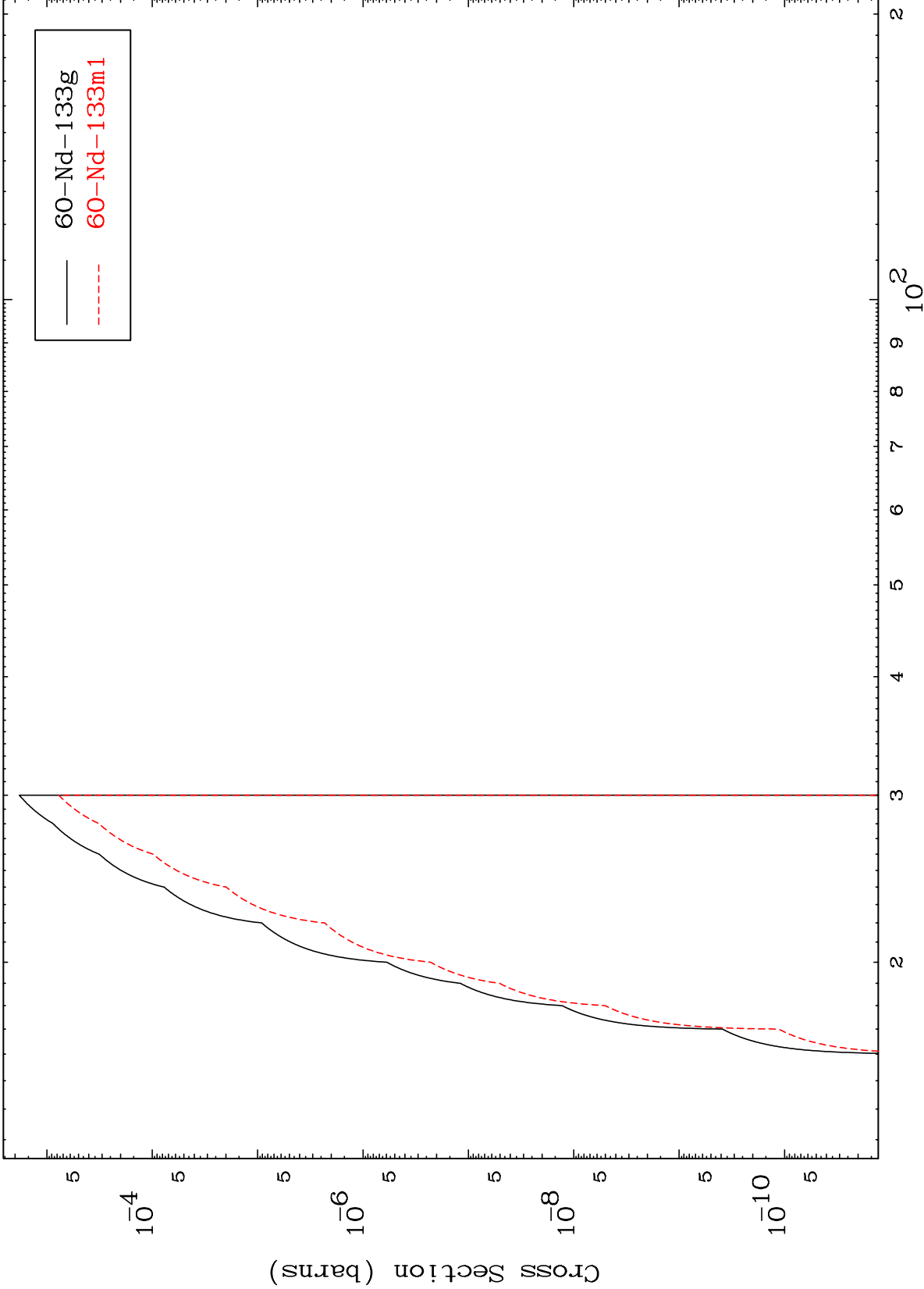
59-Pr-131m

MAT 5896

(n,d)

59-Pr-131m

Radionuclide Production Cross Section



15

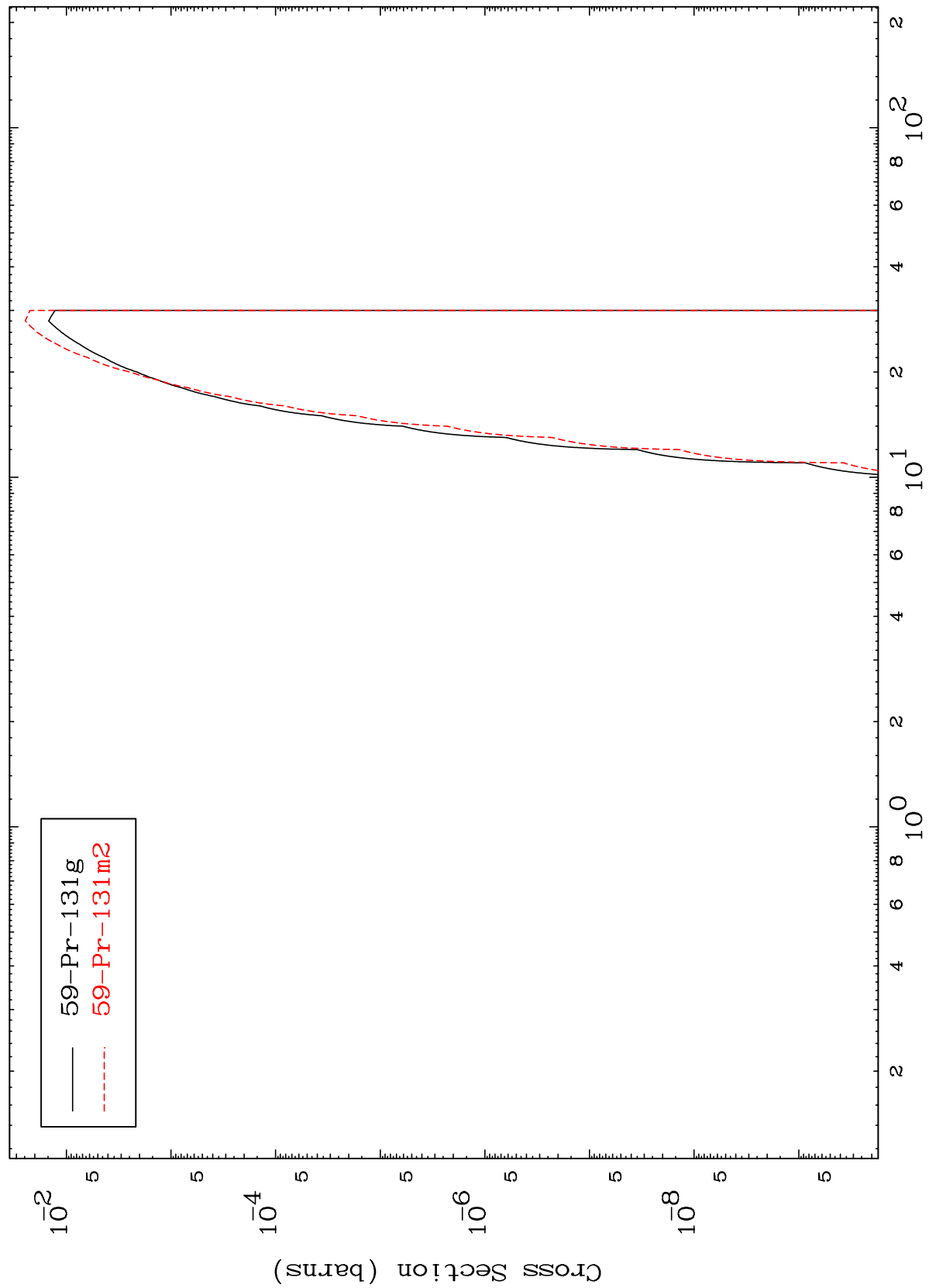
Incident Energy (MeV)

59-Pr-131m

MAT 5896

59-Pr-131m

Radionuclide Production Cross Section
(n, α)



— 59-Pr-131g
- - - 59-Pr-131m2

59-Pr-131m

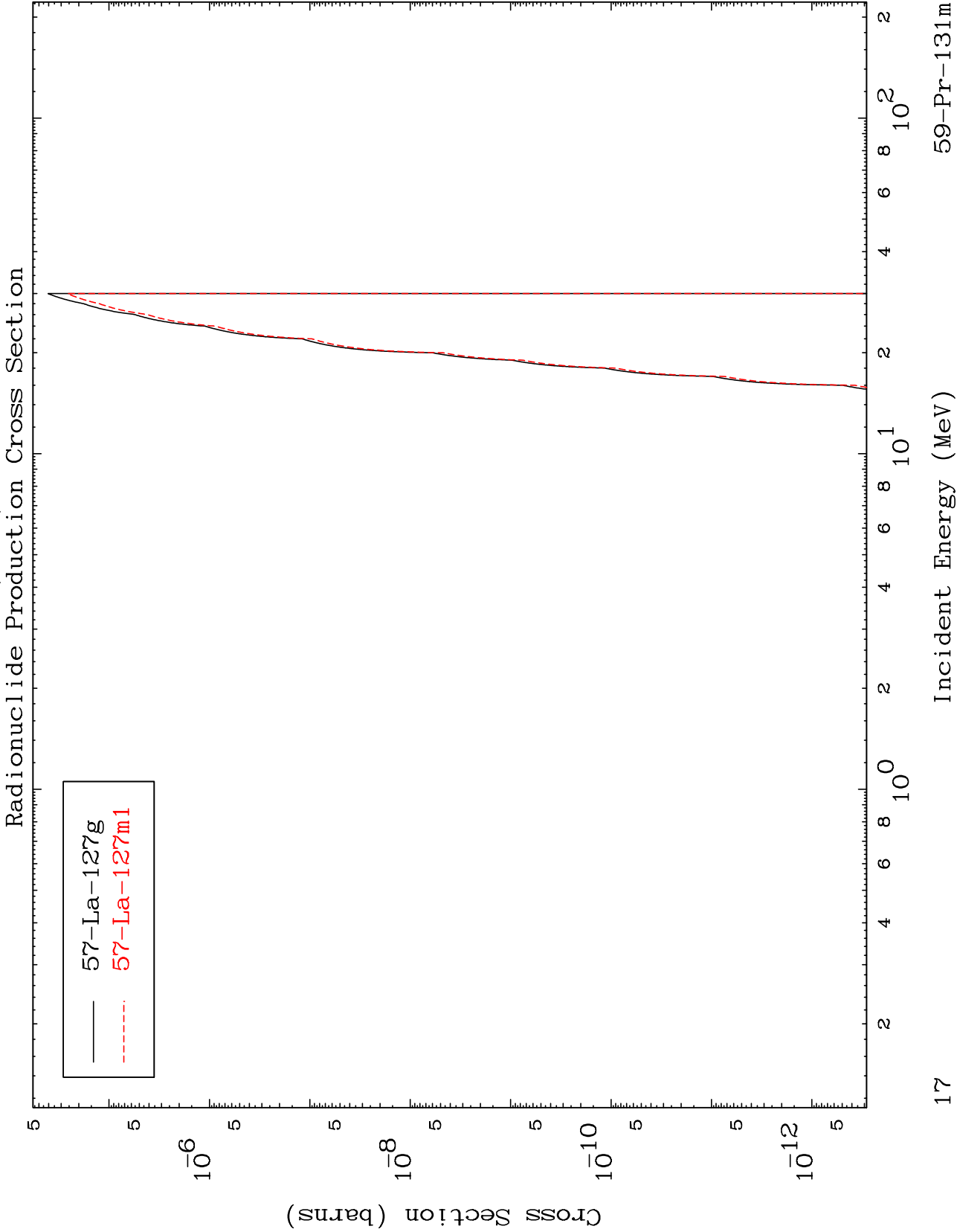
Incident Energy (MeV)

16

MAT 5896

(n,2α)

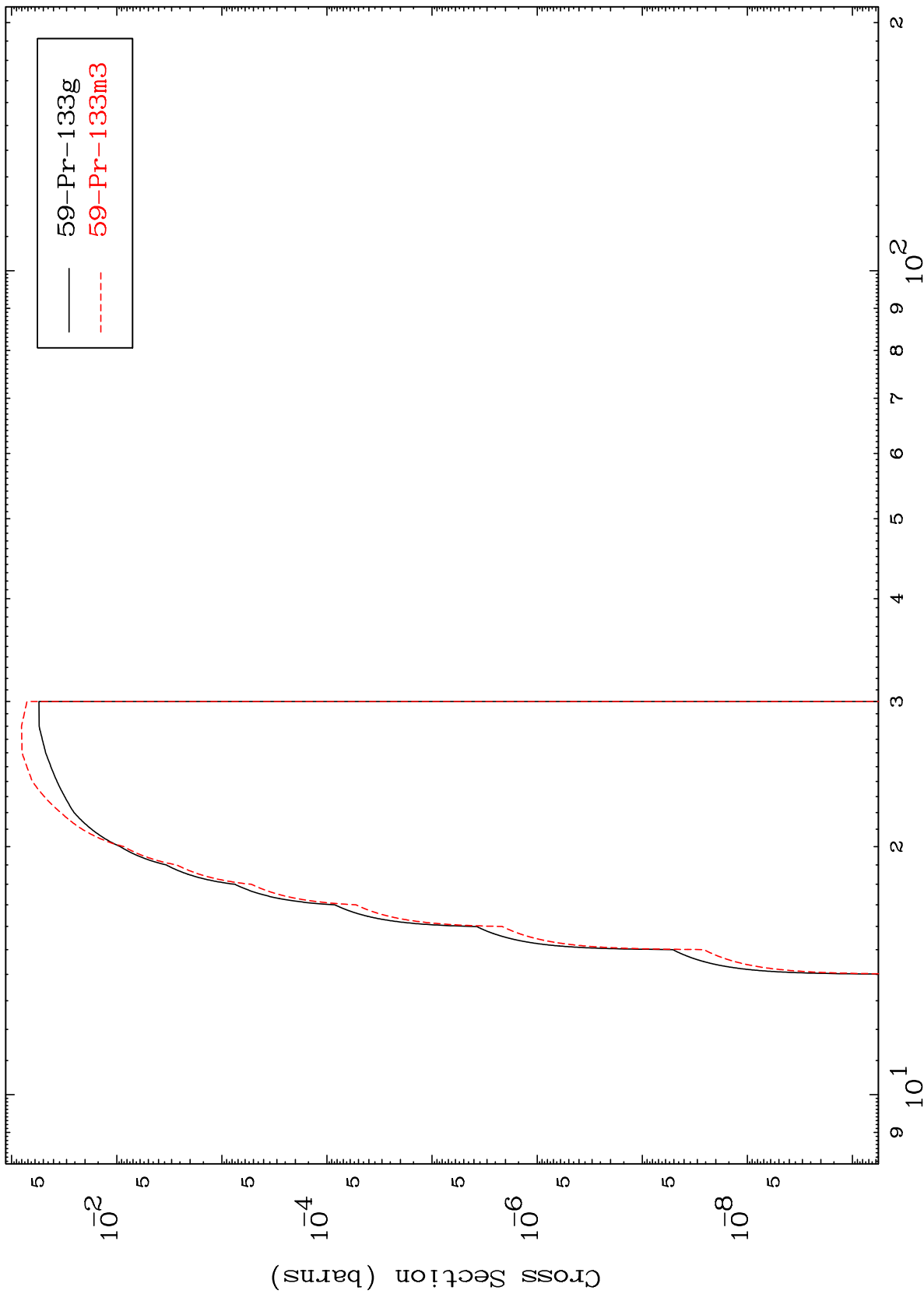
59-Pr-131m



MAT 5896

59-Pr-131m

(n,2p)
Radionuclide Production Cross Section



59-Pr-131m

Incident Energy (MeV)

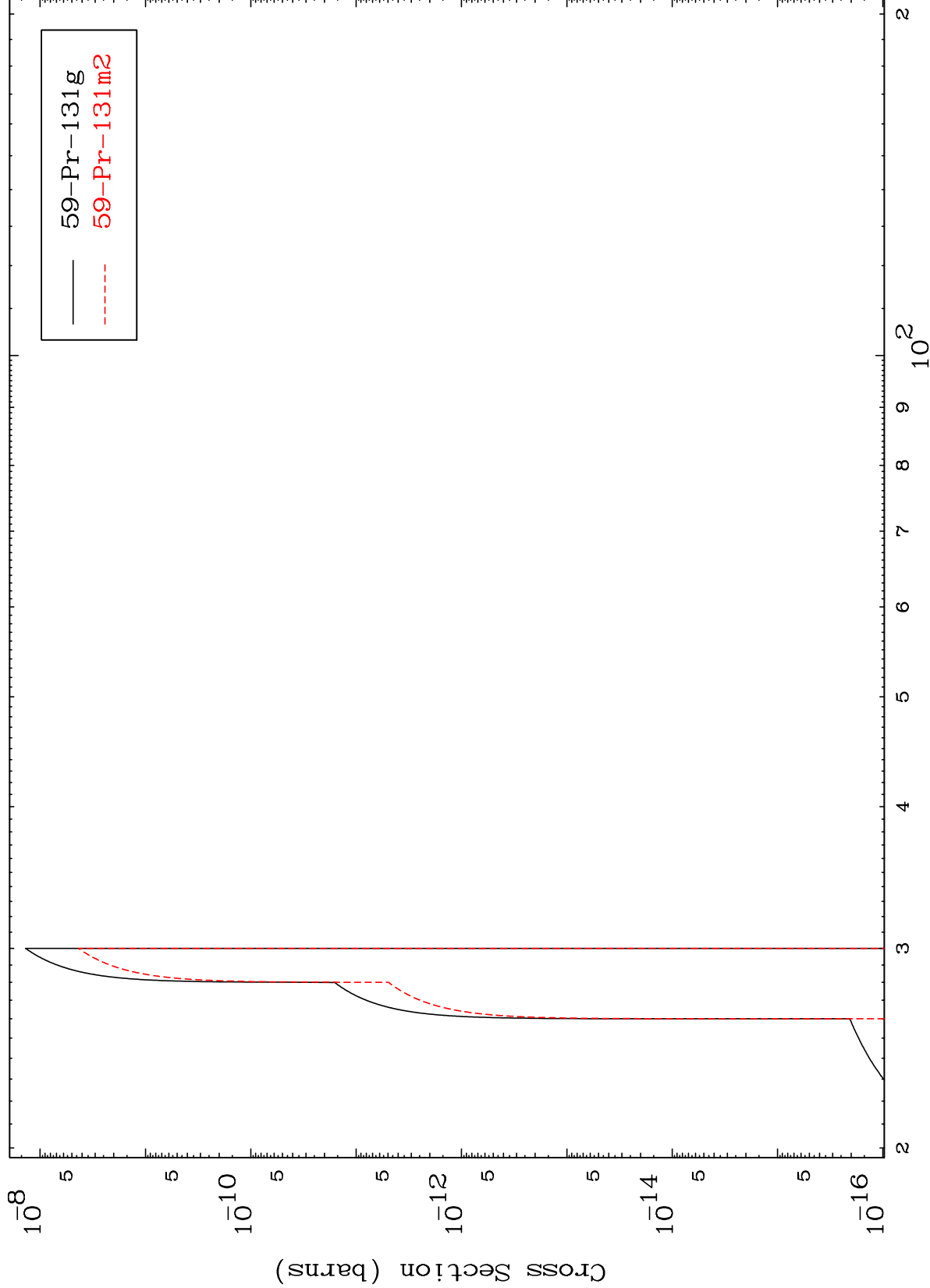
18

MAT 5896

(n,p) t

59-Pr-131m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

59-Pr-131m