

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

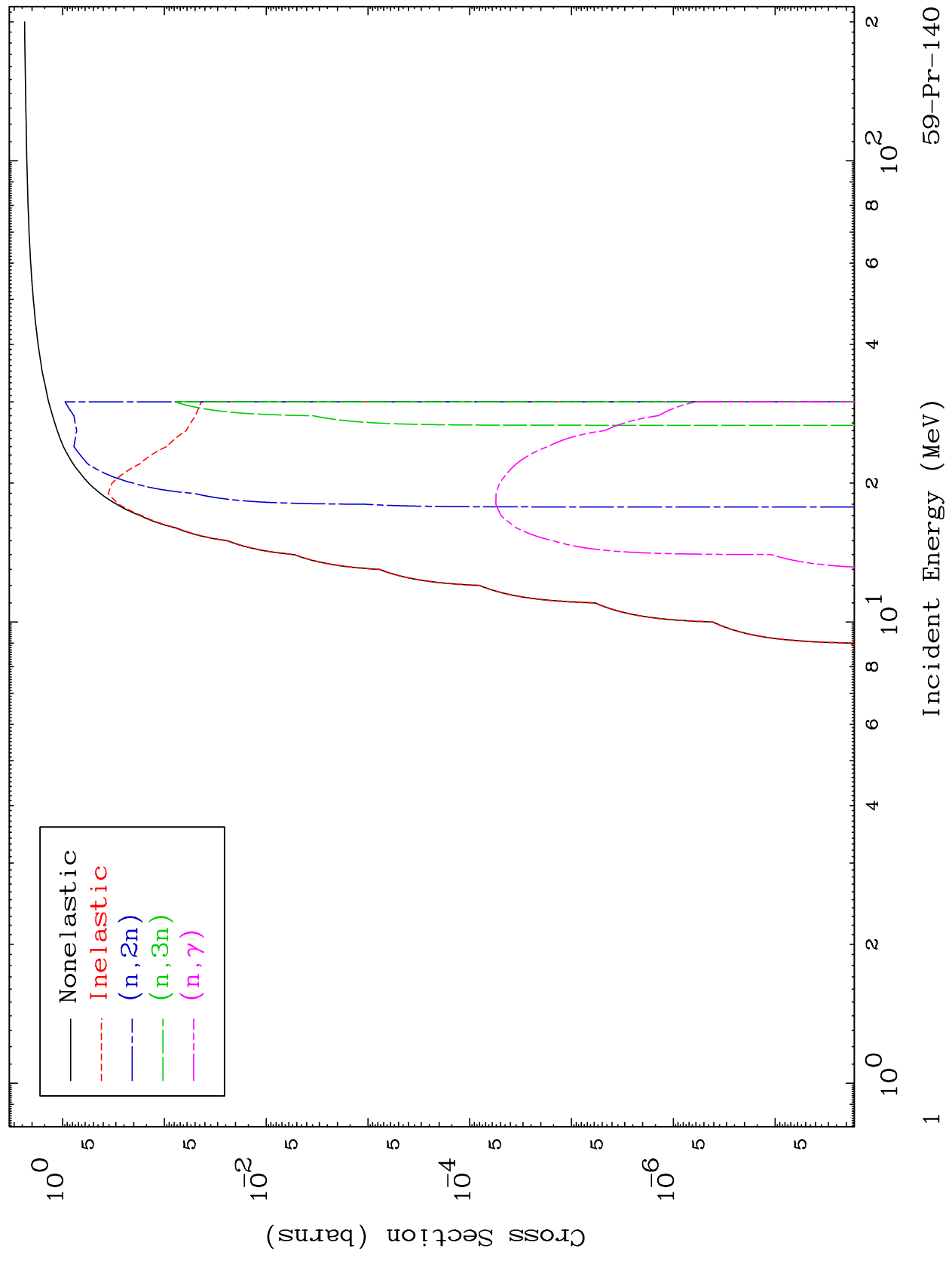
Press Mouse Button to Start

MAT 5922

0 Kelvin

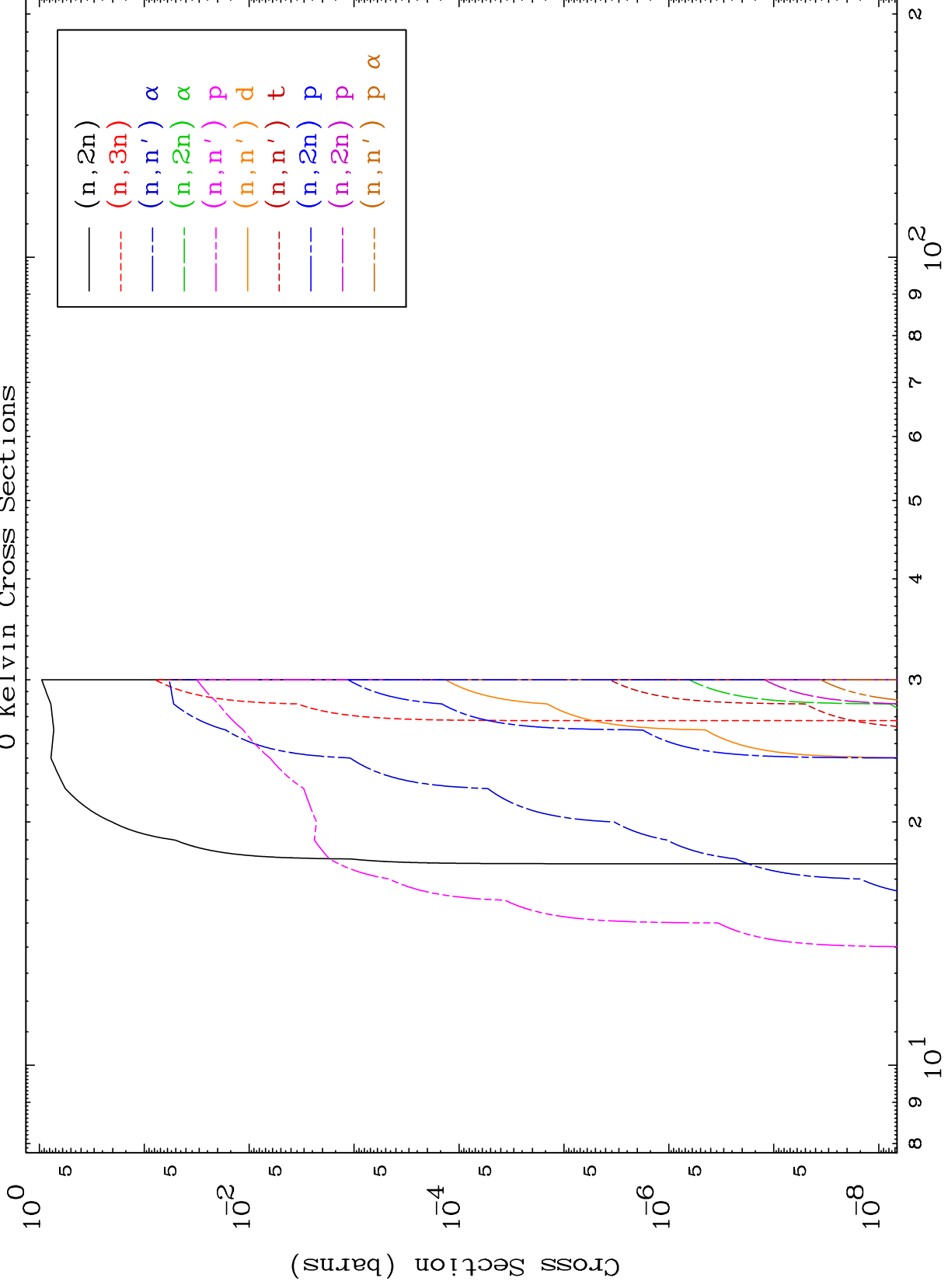
Major Cross Sections

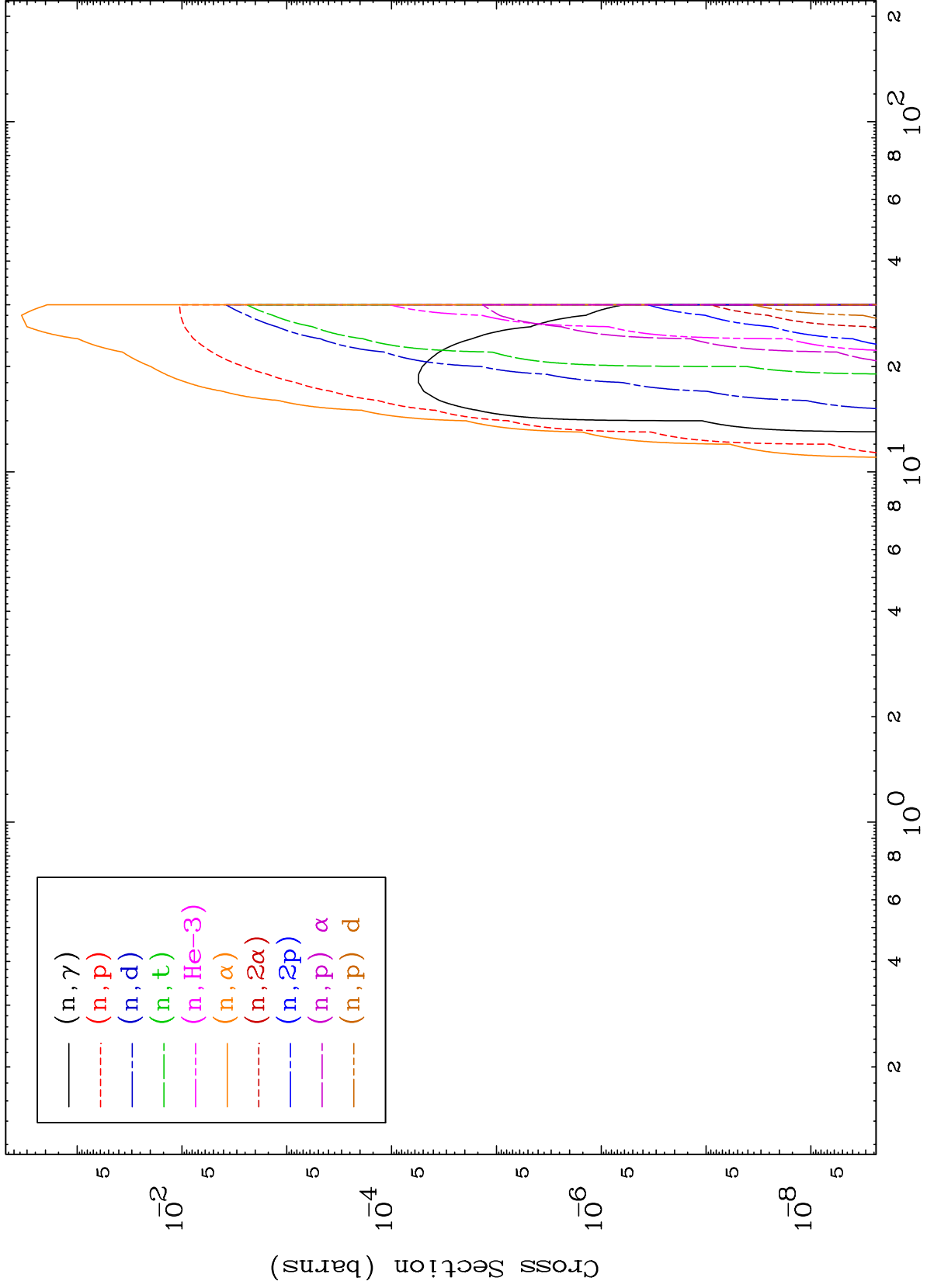
59-Pr-140

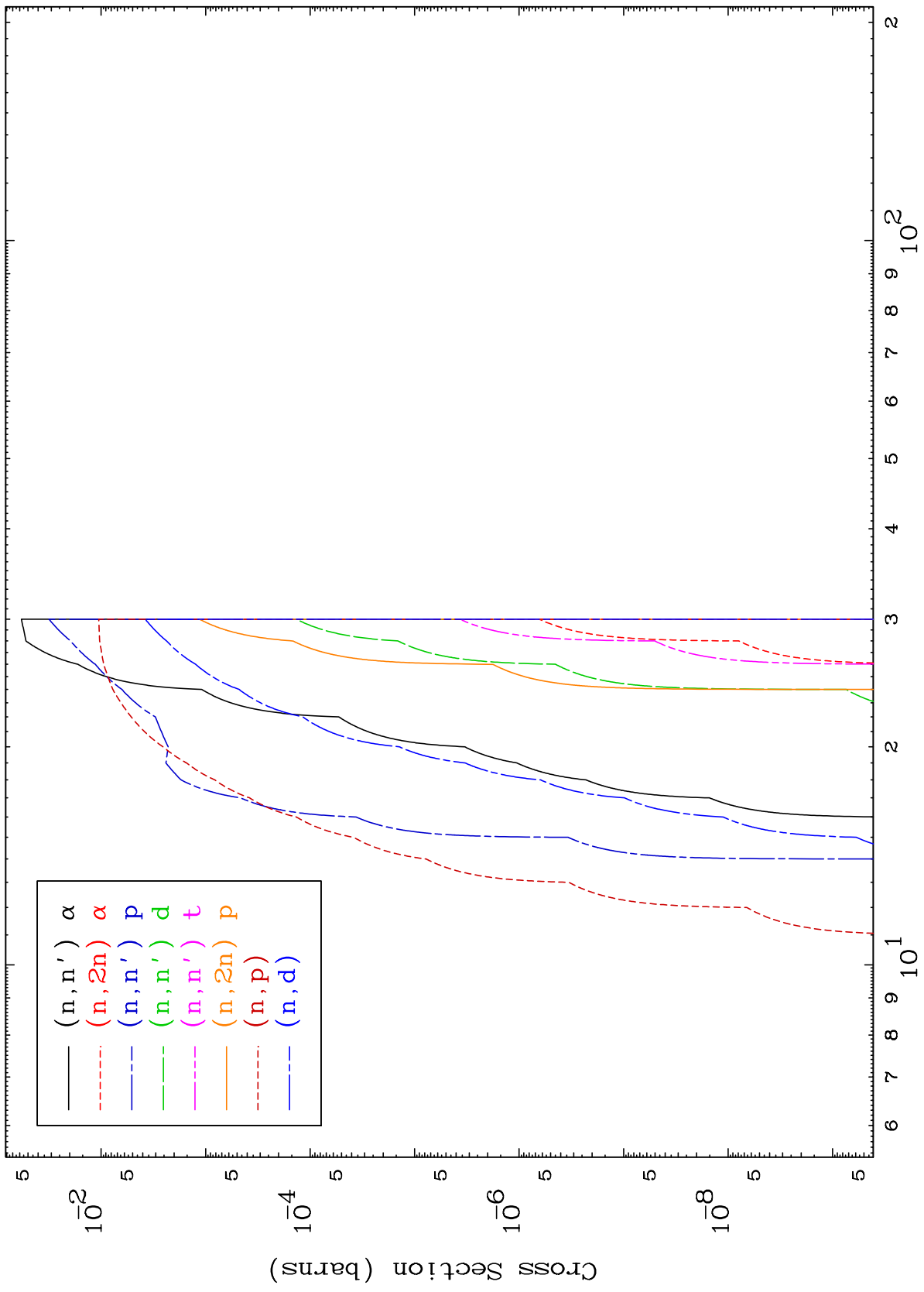


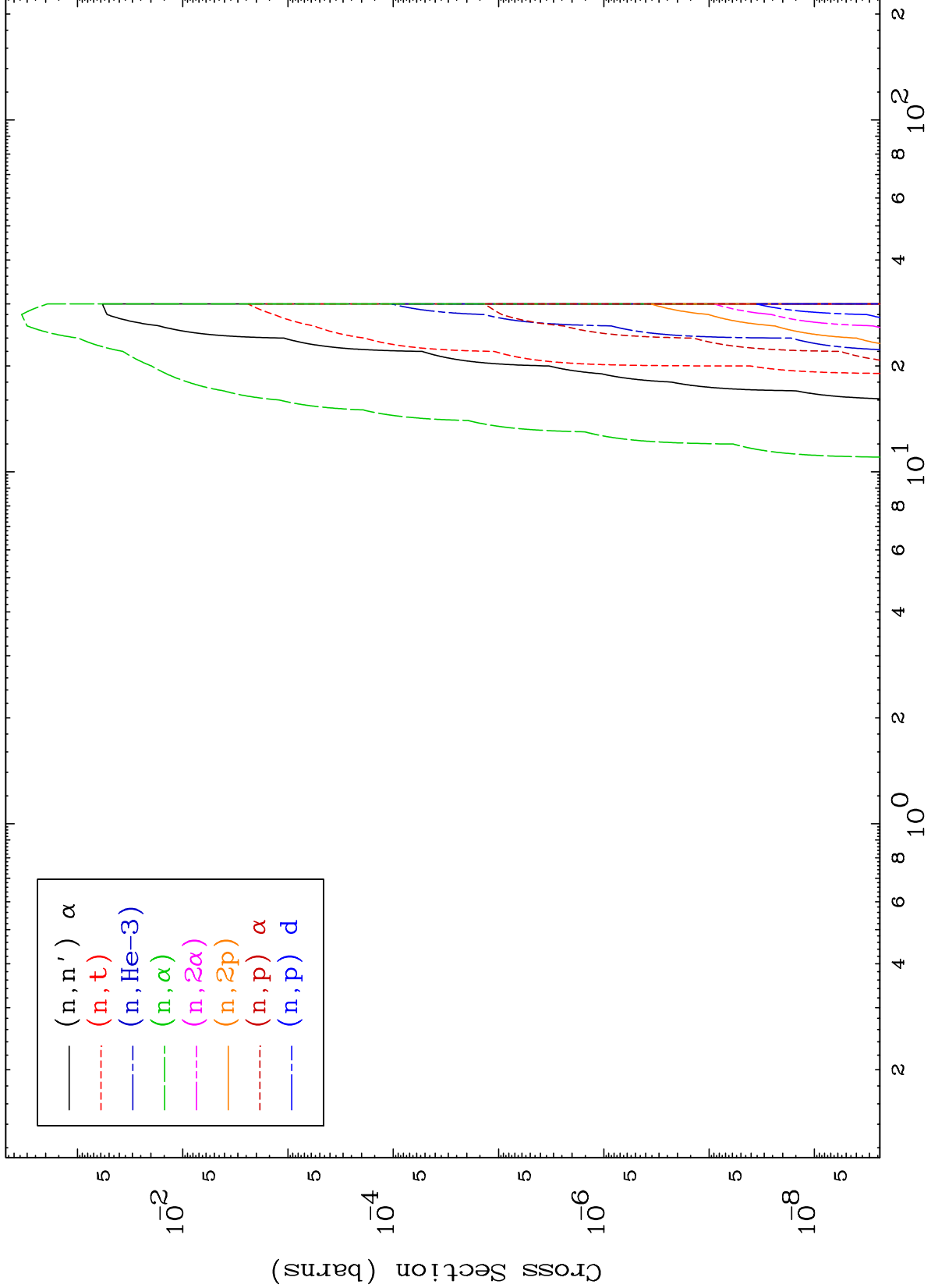
59-Pr-140

Incident Energy (MeV)







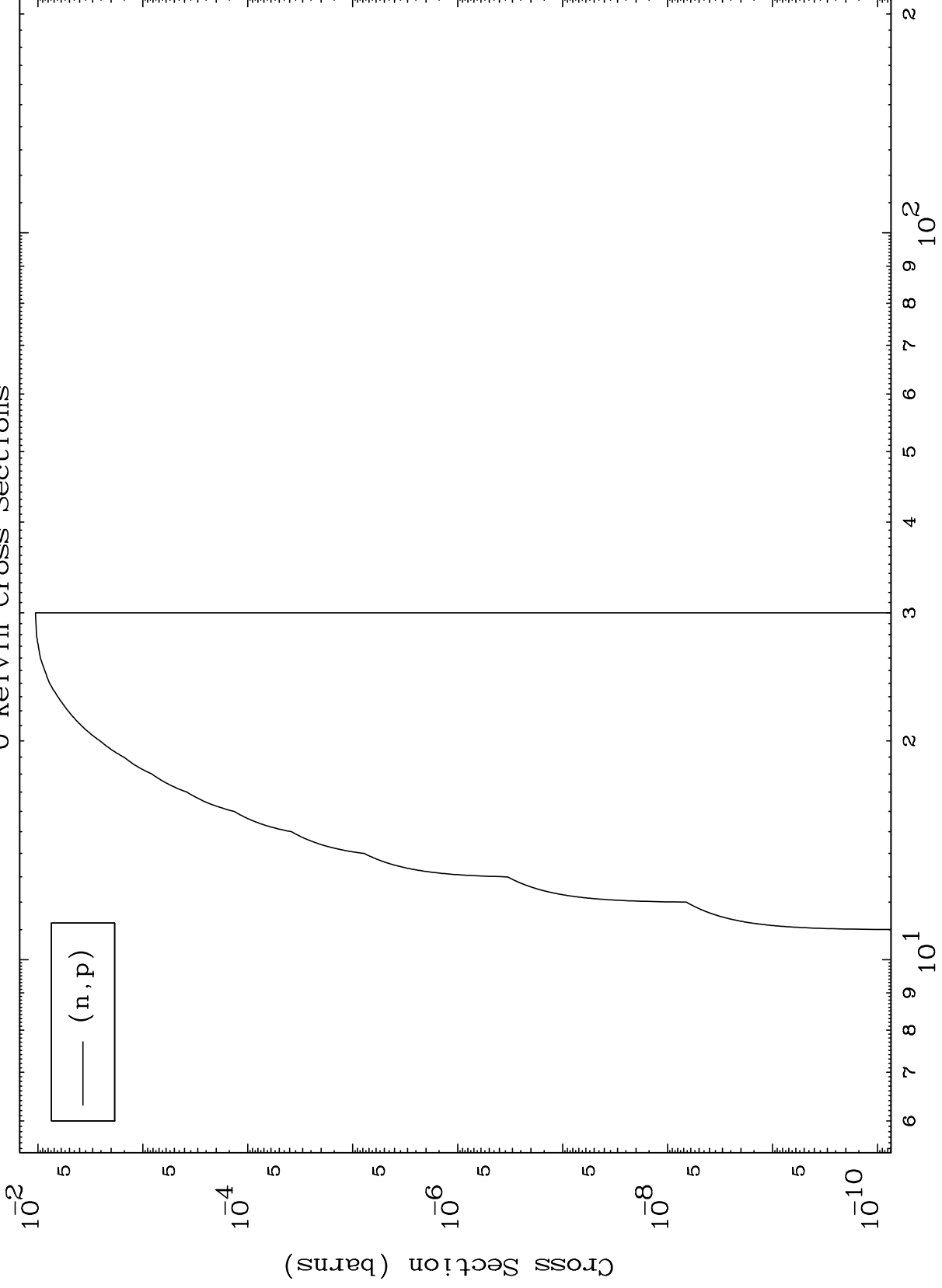


MAT 5922

(α, p) Levels

59-Pr-140

0 Kelvin Cross Sections



6

Incident Energy (MeV)

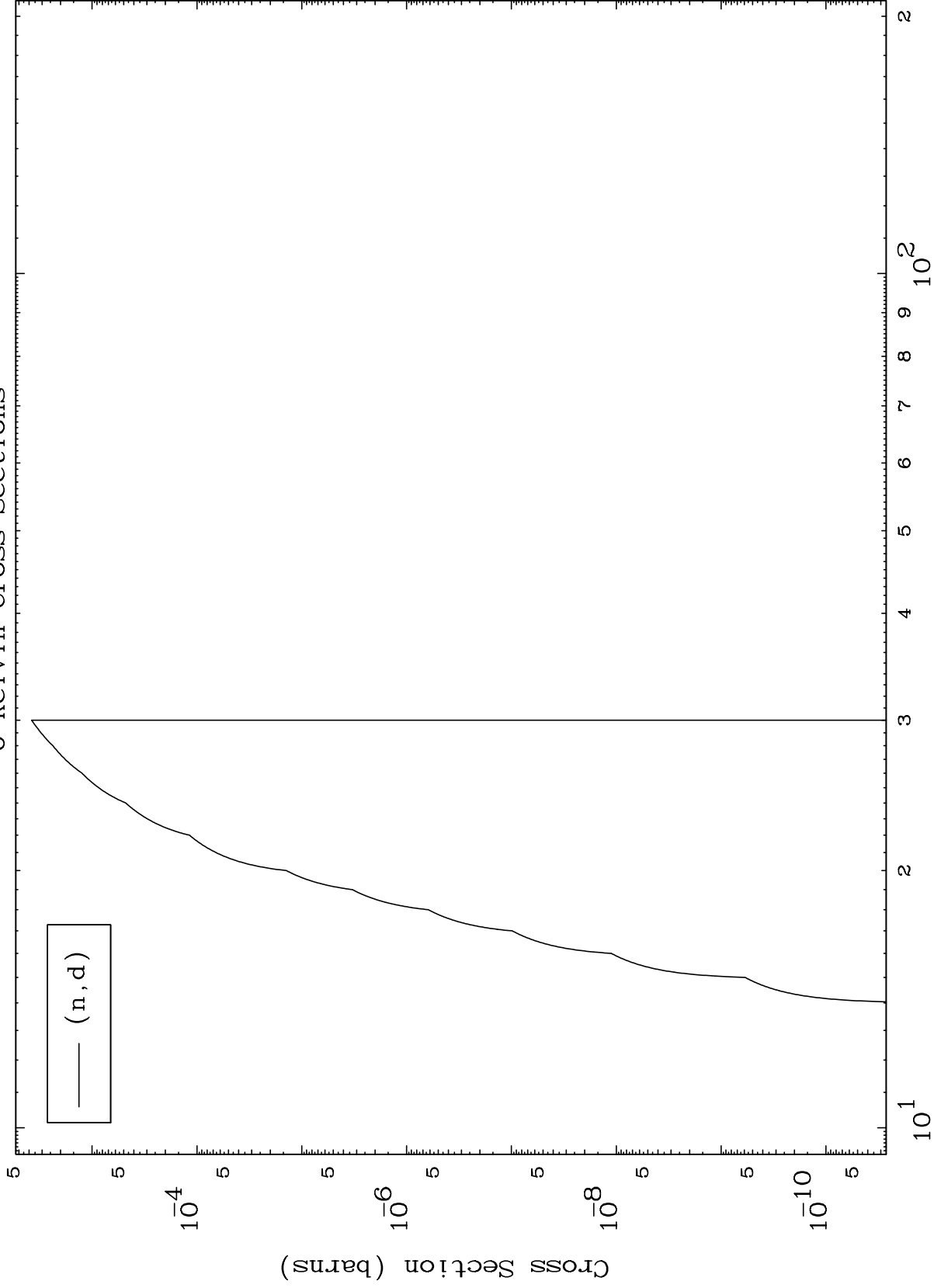
59-Pr-140

MAT 5922

(α, d) Levels

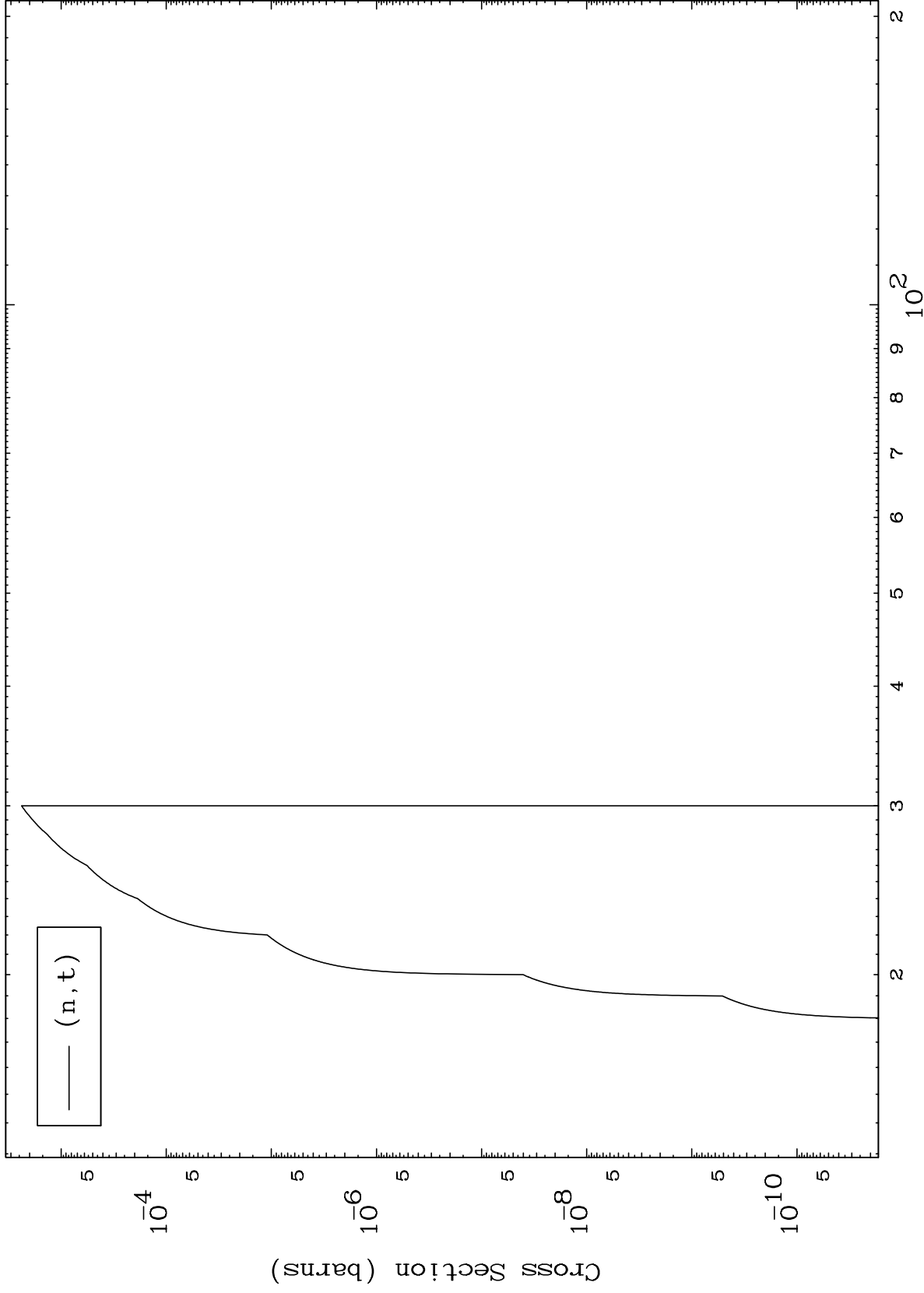
59-Pr-140

0 Kelvin Cross Sections

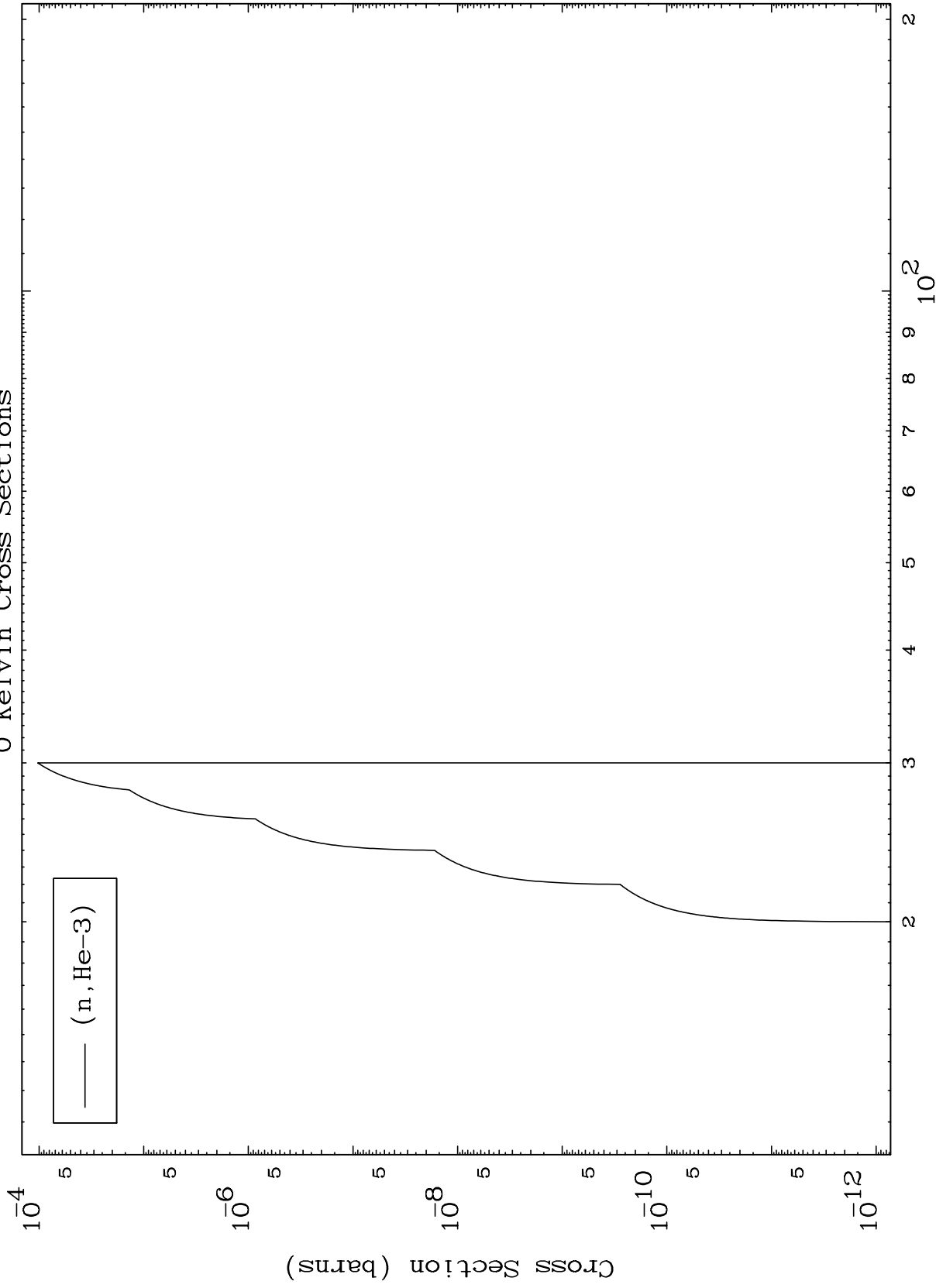


Incident Energy (MeV)

59-Pr-140



($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections

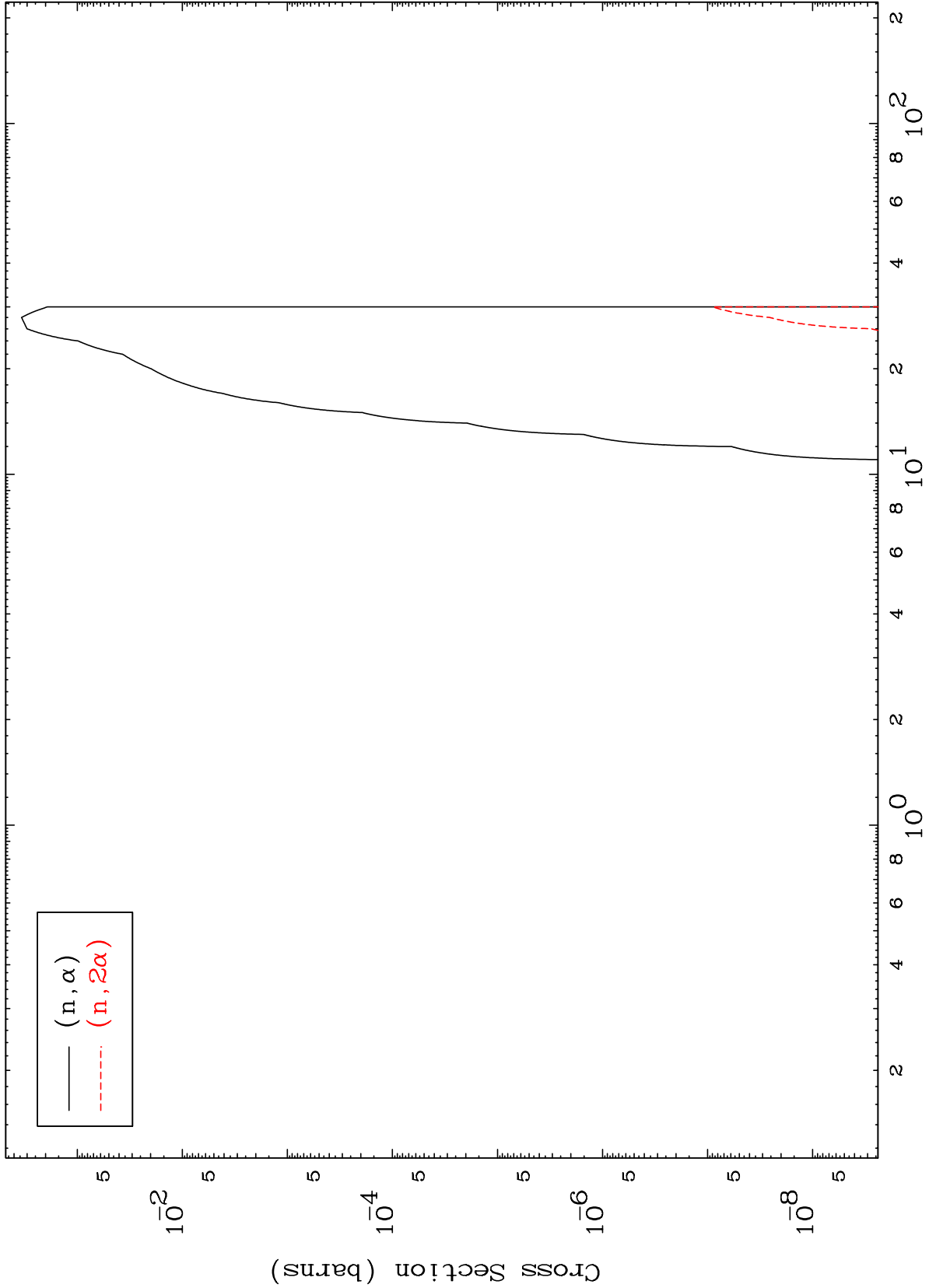


MAT 5922

(α, α) Levels

59-Pr-140

0 Kelvin Cross Sections

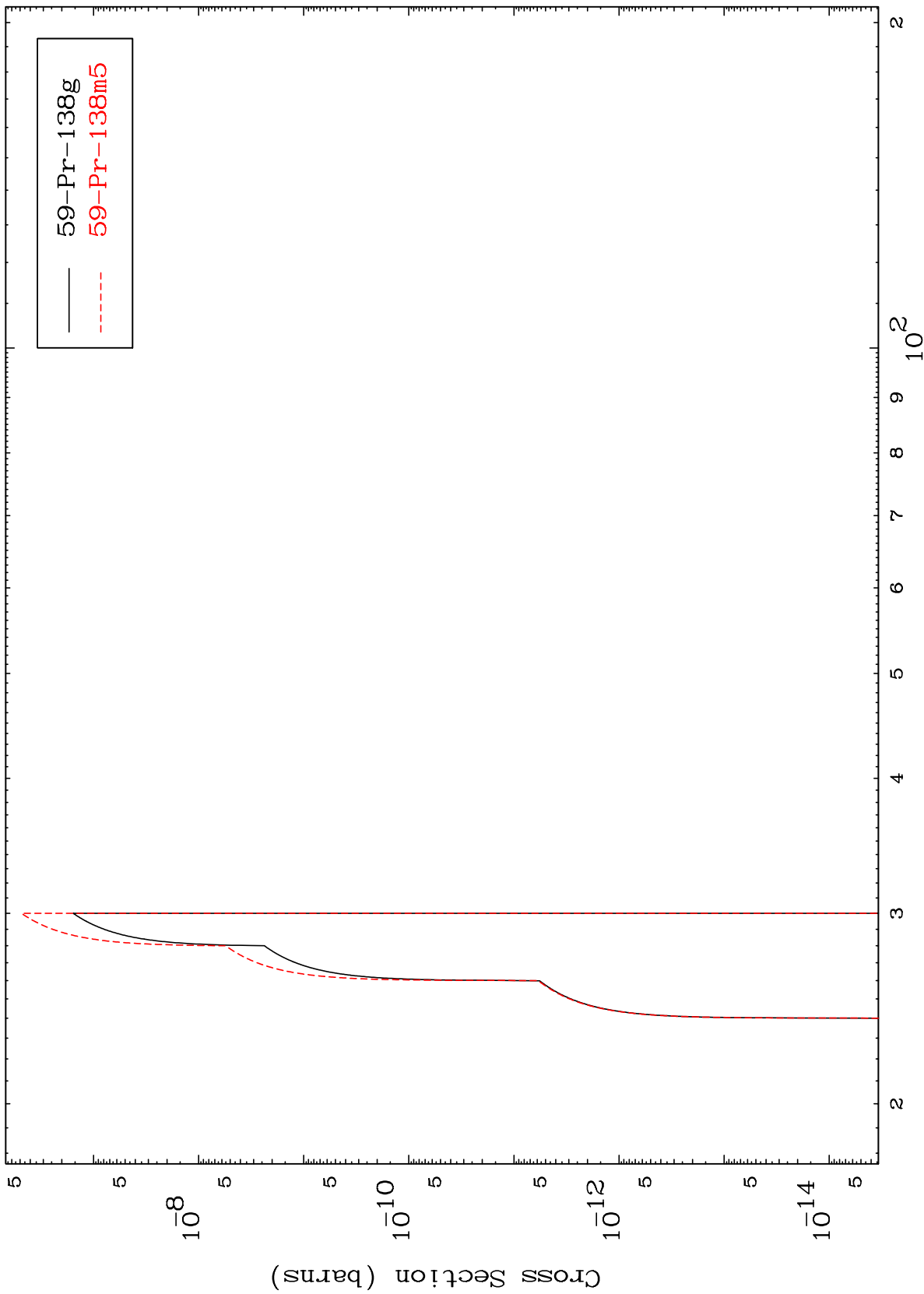


10

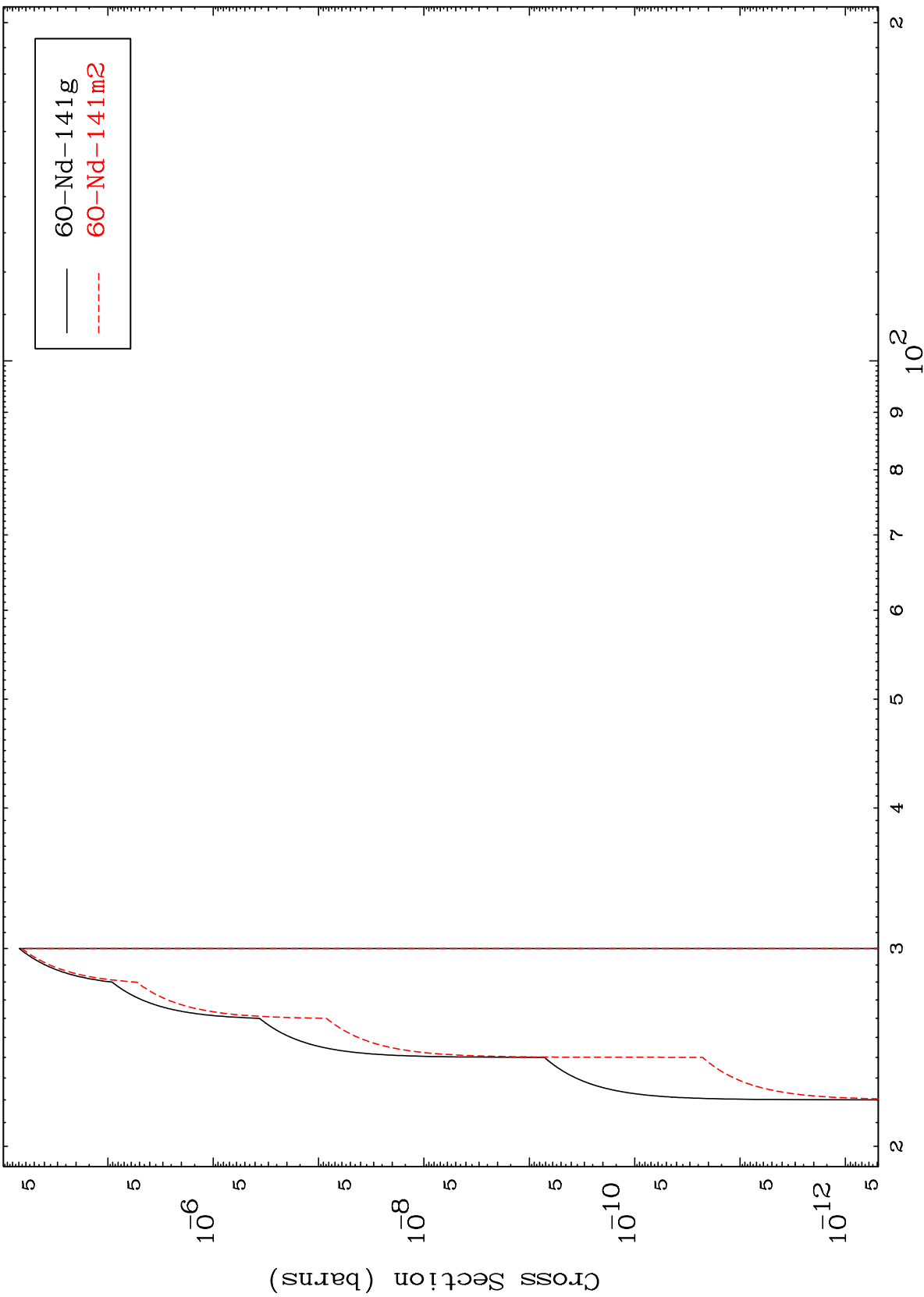
Incident Energy (MeV)

59-Pr-140

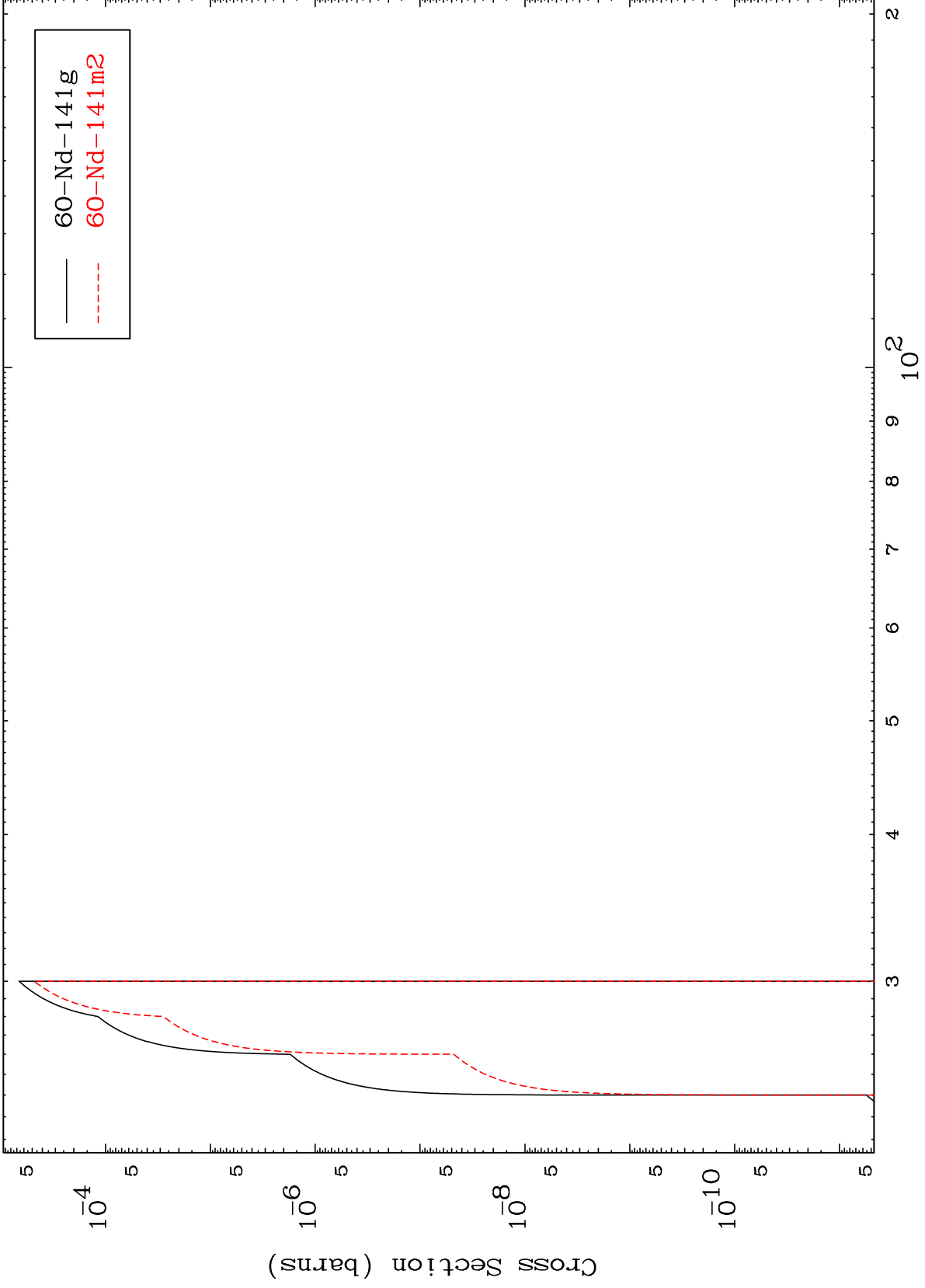
Radionuclide Production Cross Section



Radionuclide Production Cross Section



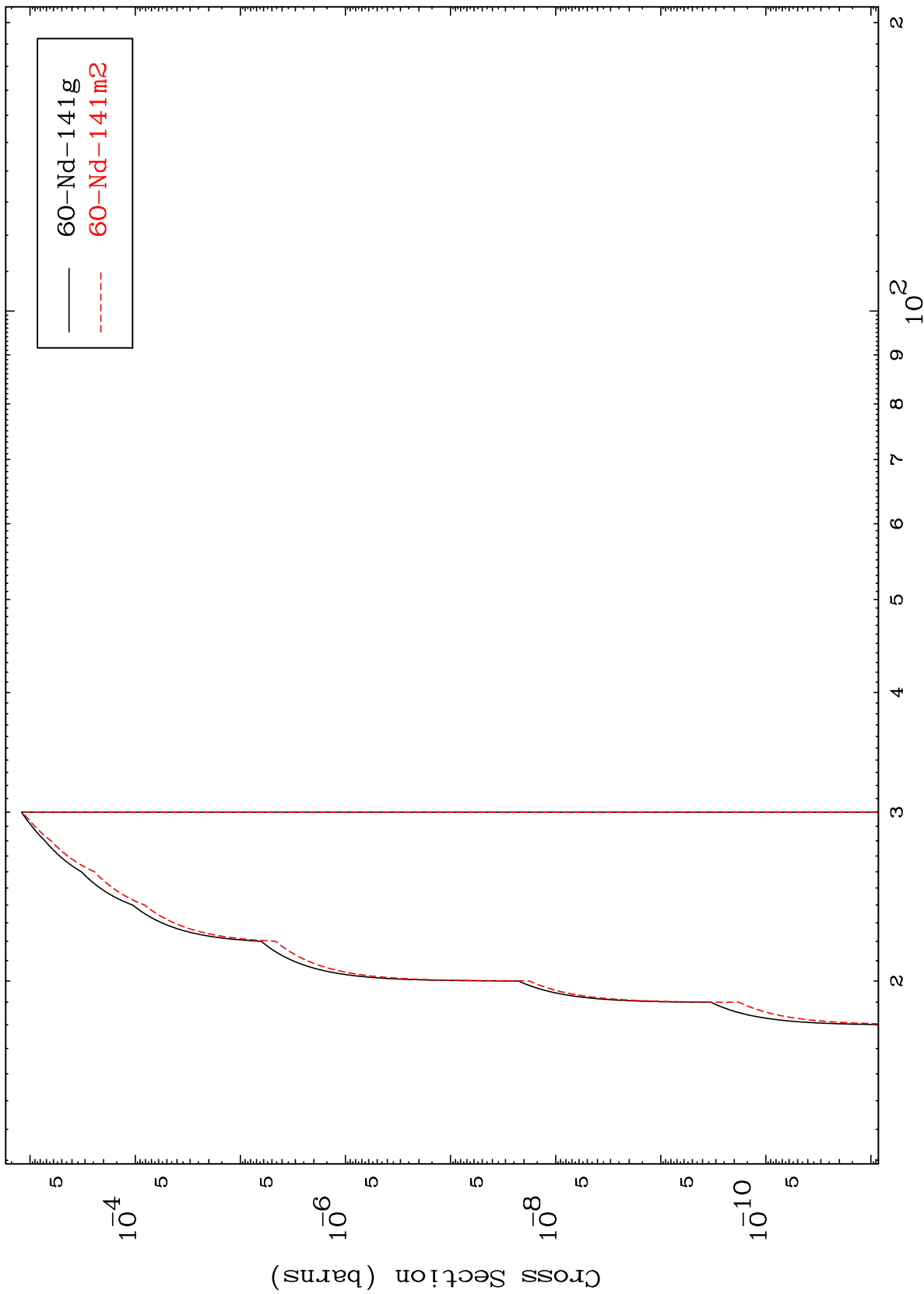
Radionuclide Production Cross Section



MAT 5922

59-Pr-140

(n,t)
Radionuclide Production Cross Section



59-Pr-140

Incident Energy (MeV)

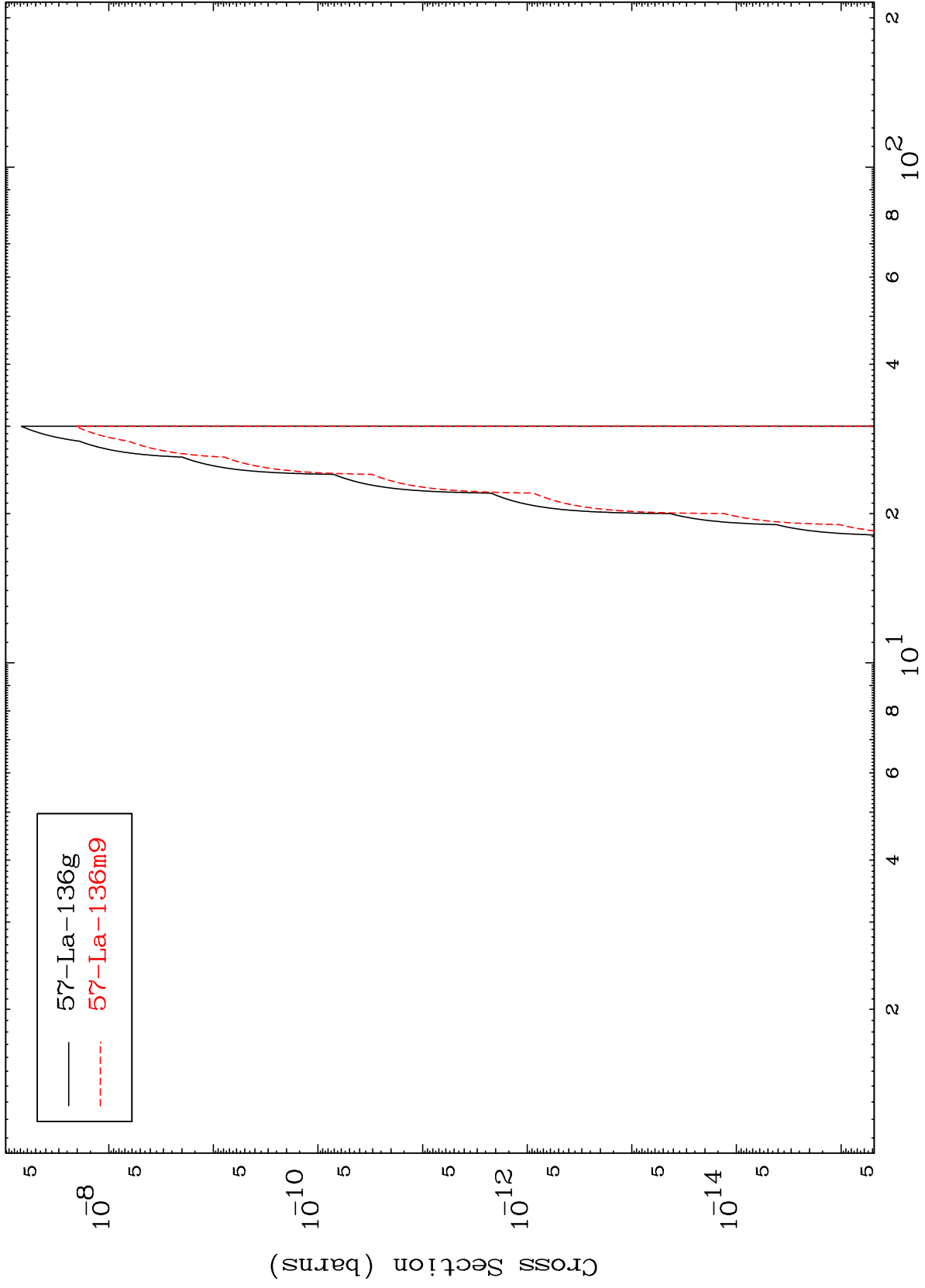
14

MAT 5922

(n,2α)

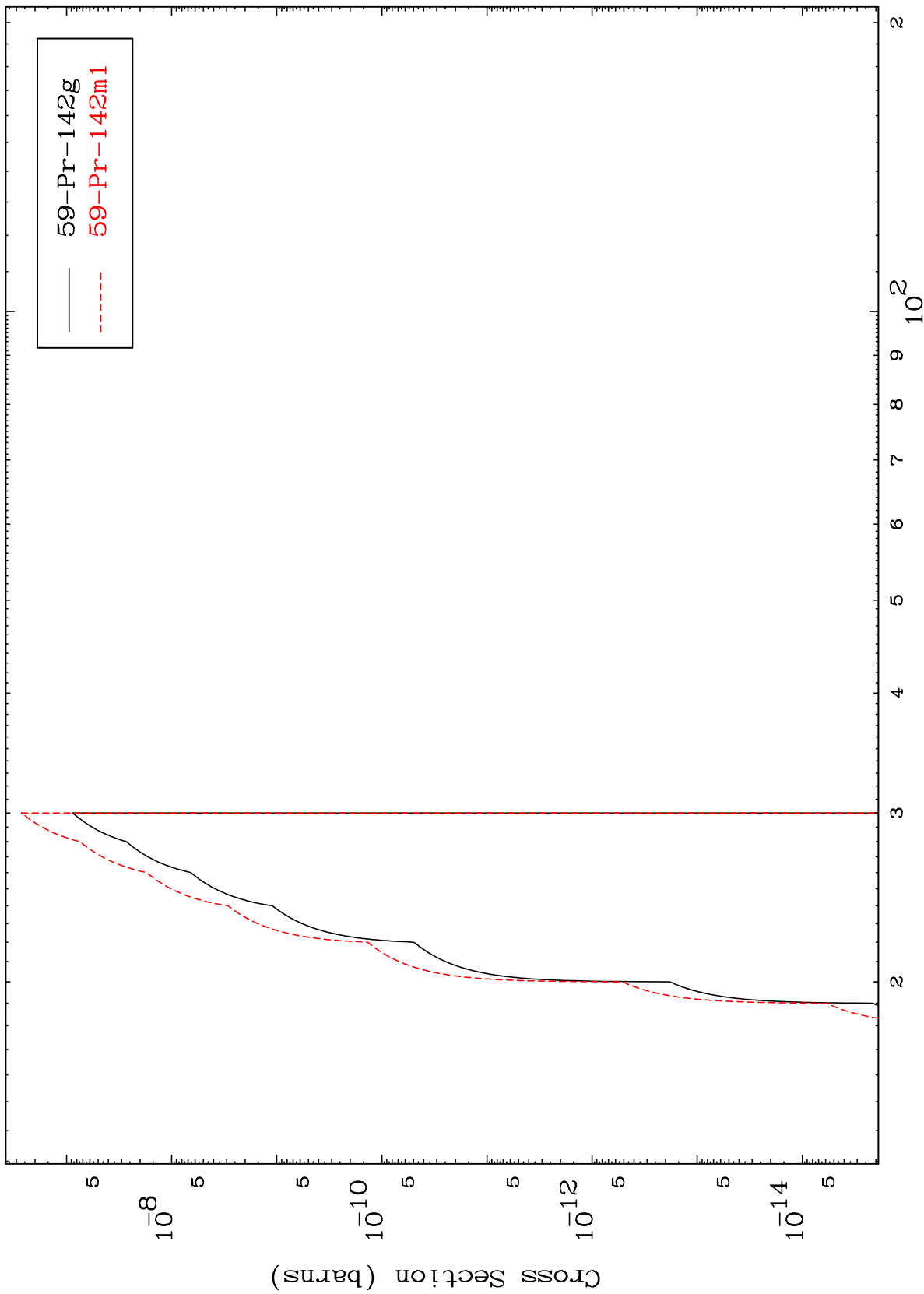
59-Pr-140

Radionuclide Production Cross Section



— 57-La-136g
- - - 57-La-136m9

(n,2p)
Radionuclide Production Cross Section

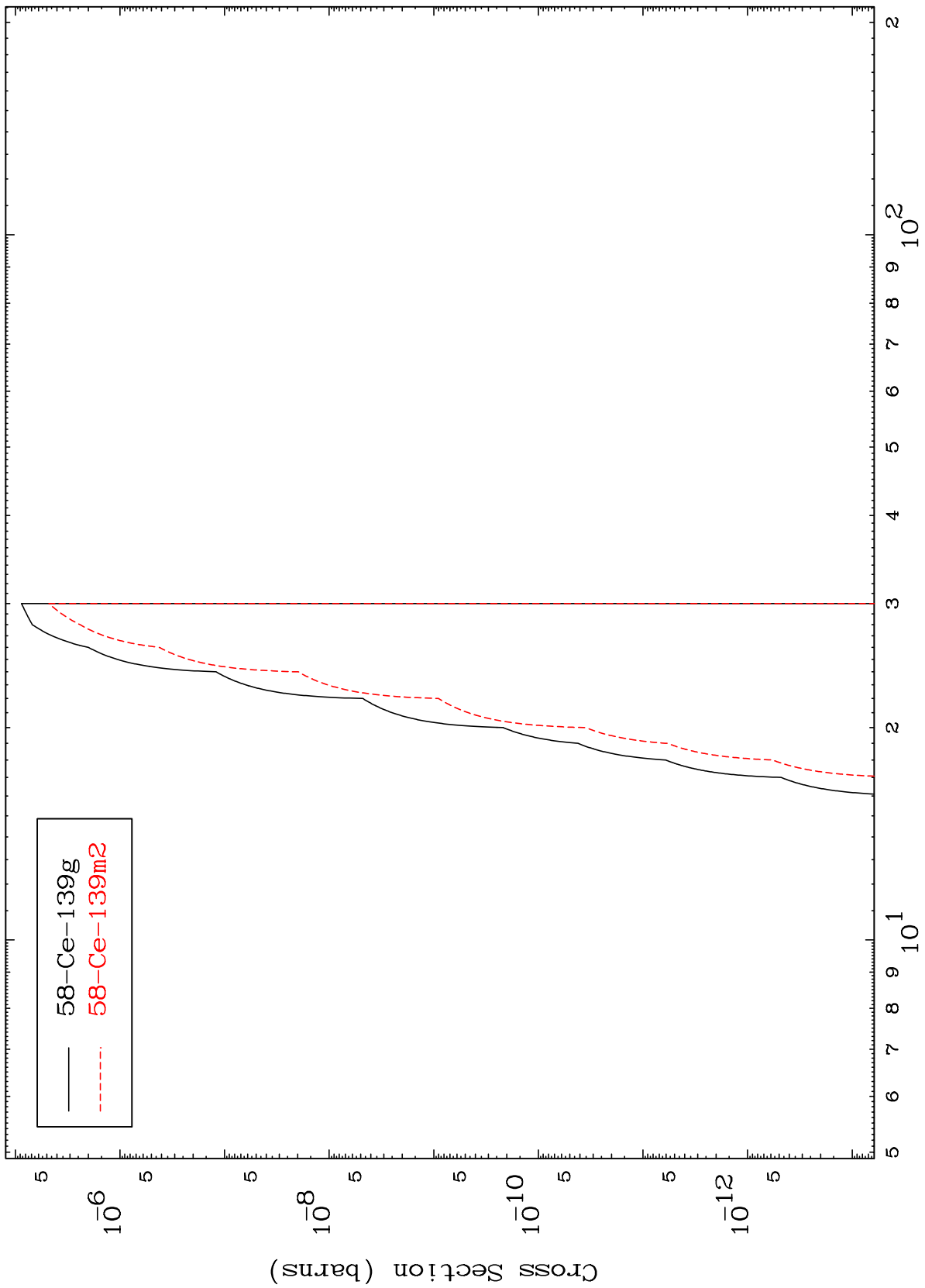


MAT 5922

$(n,p) \alpha$

59-Pr-140

Radionuclide Production Cross Section



58-Ce-139g
58-Ce-139m2

17

Incident Energy (MeV)

59-Pr-140