

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

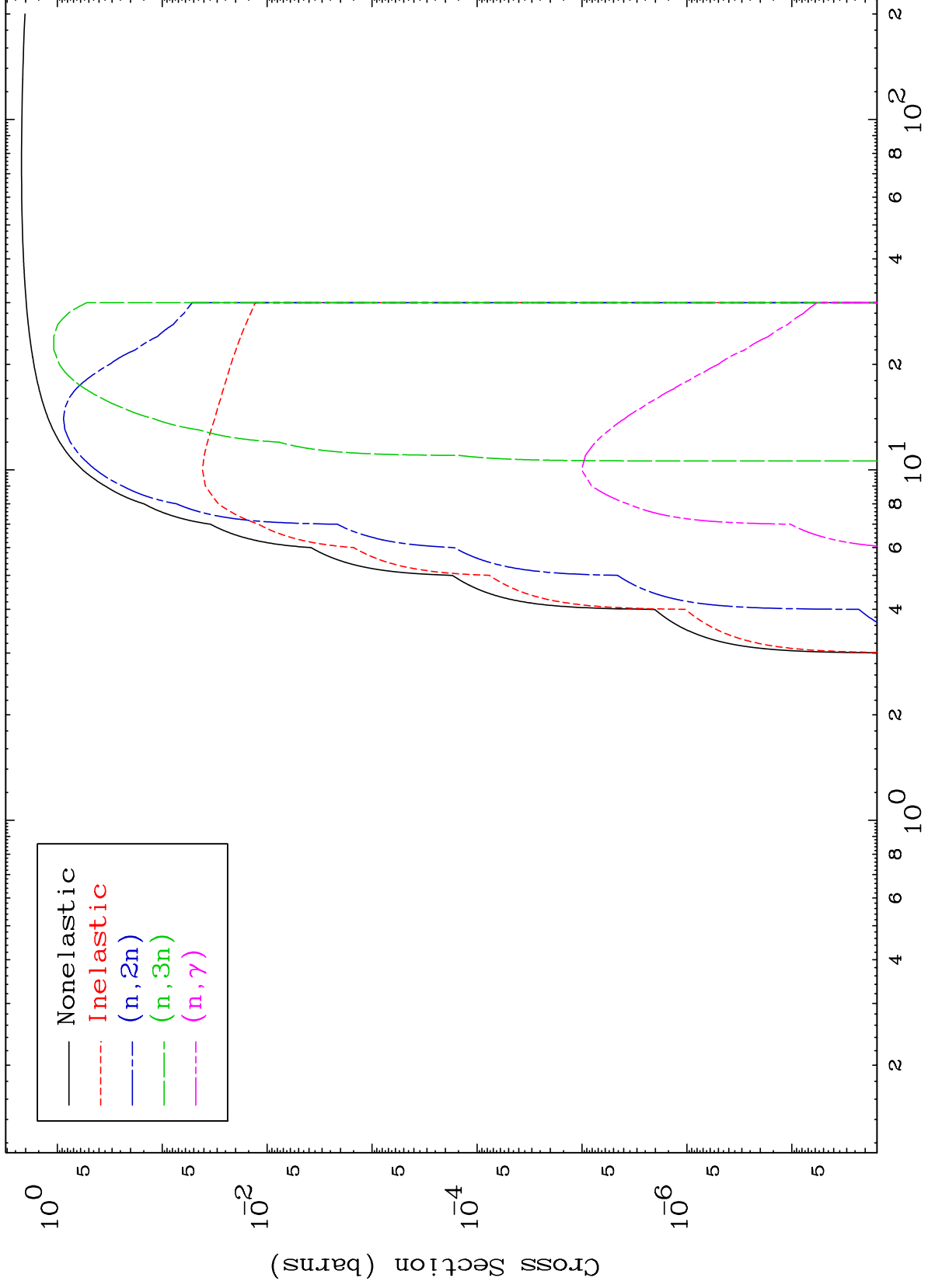
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

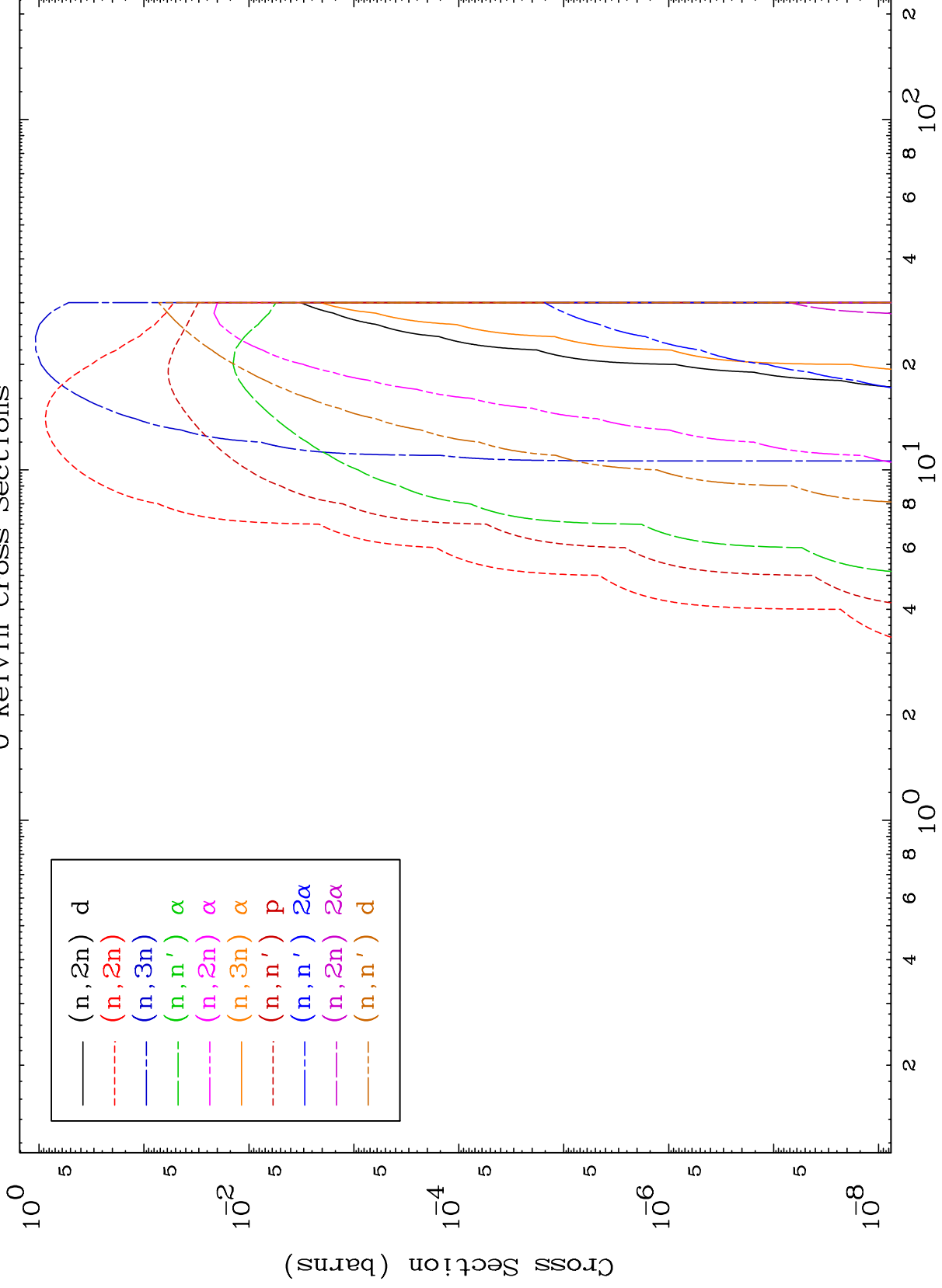
Tele: 925-443-1911

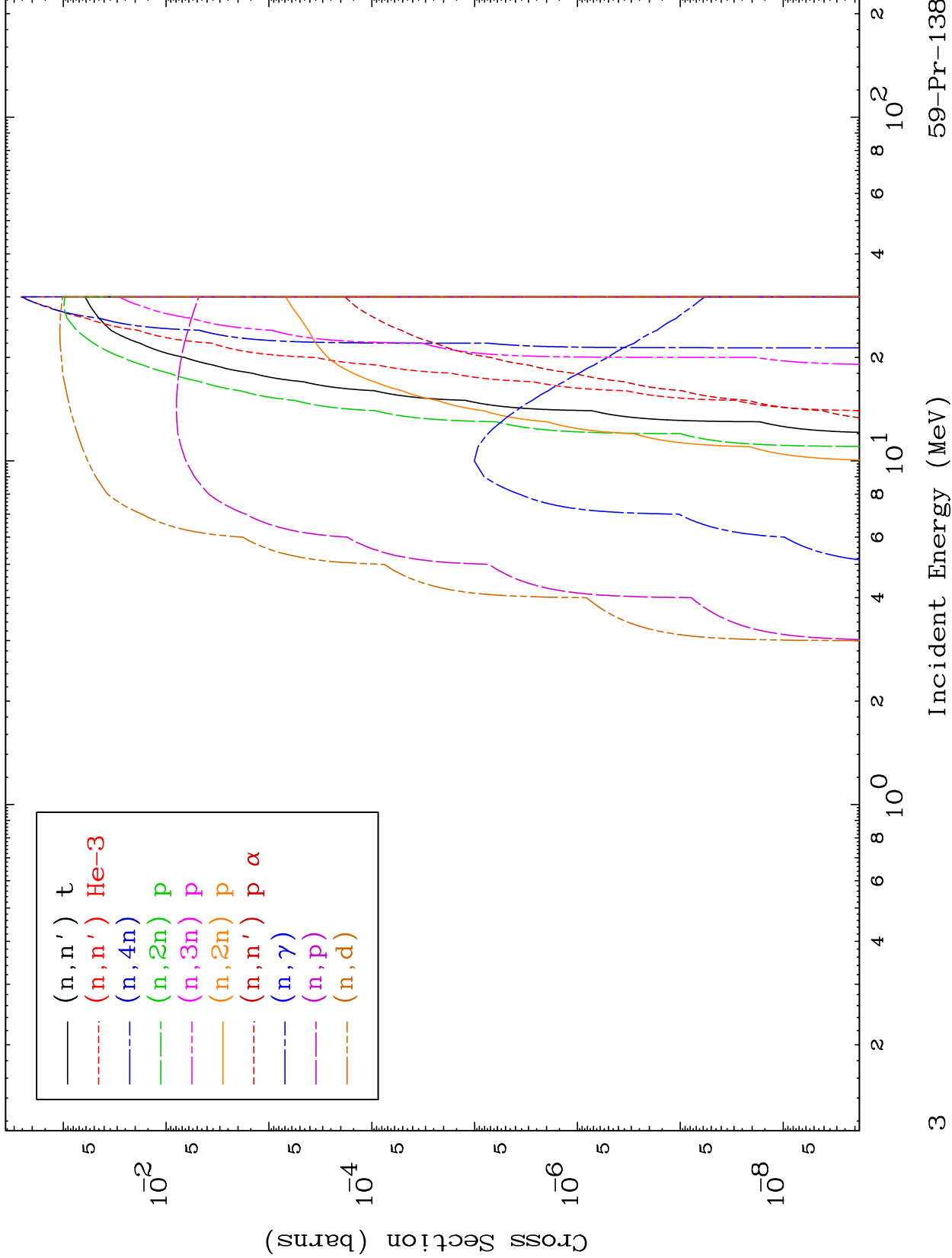
E-Mail: redcullen1@comcast.net

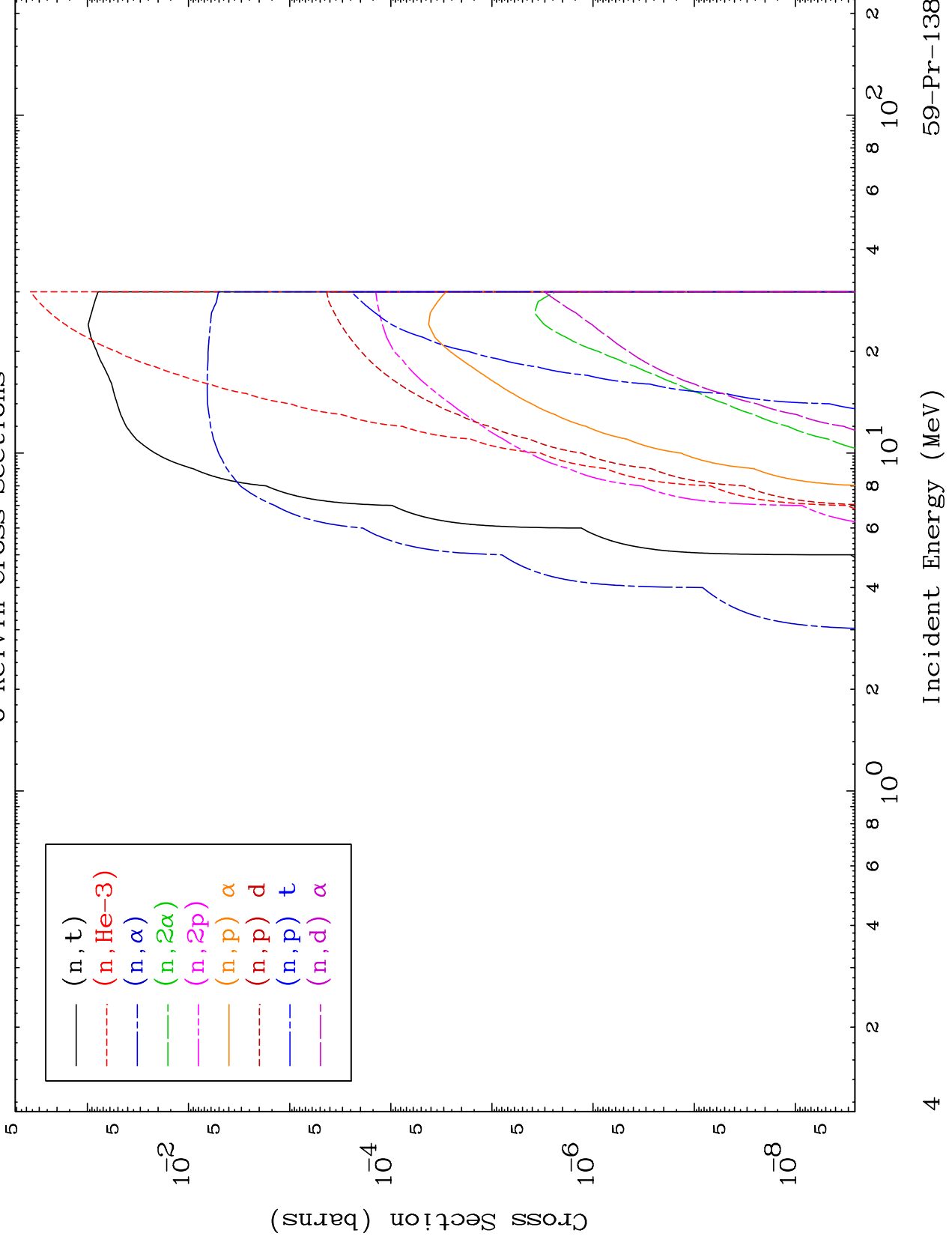
Web: redcullen1.net/HOMEPAGE.NEW

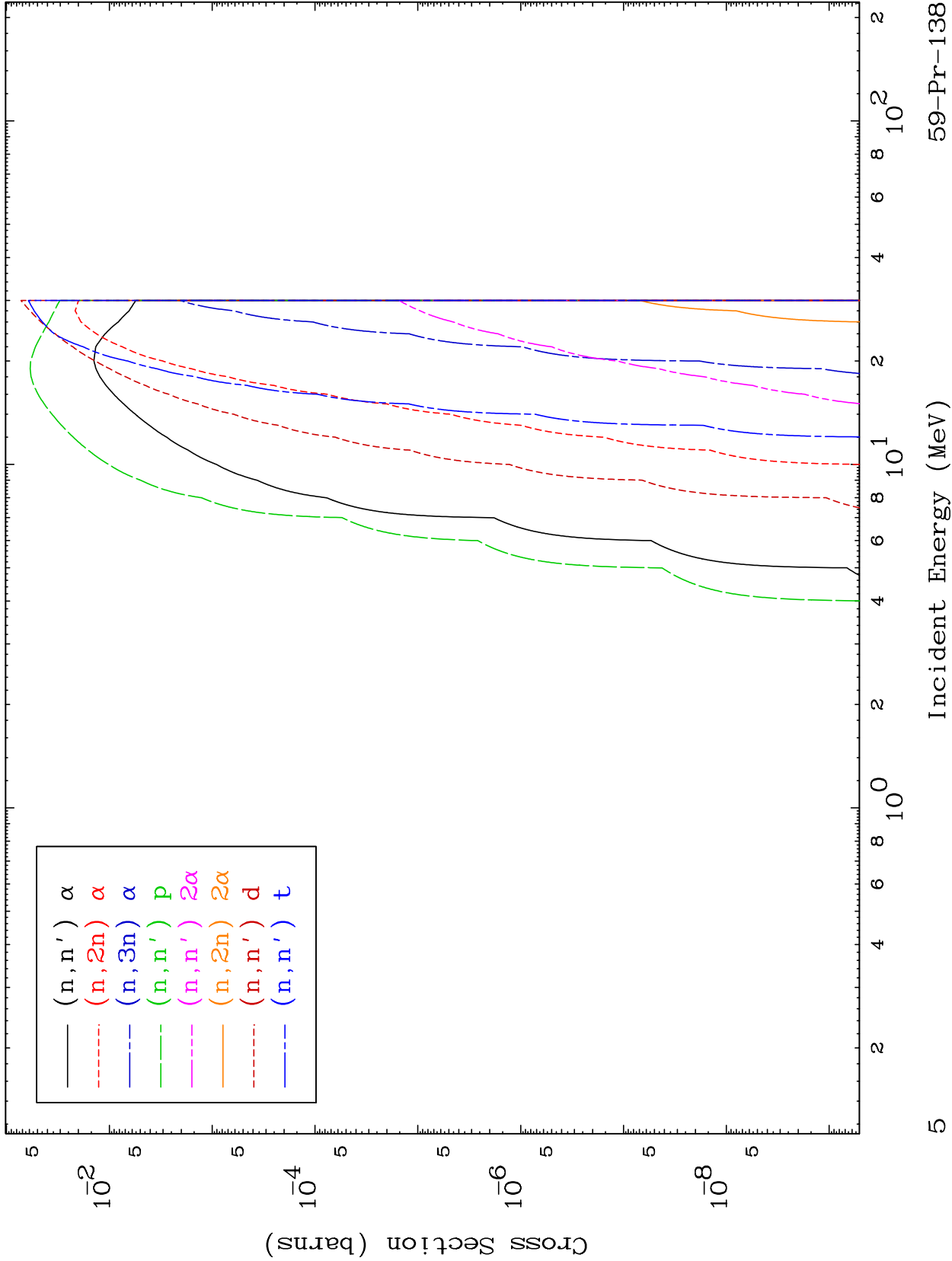
Press Mouse Button to Start

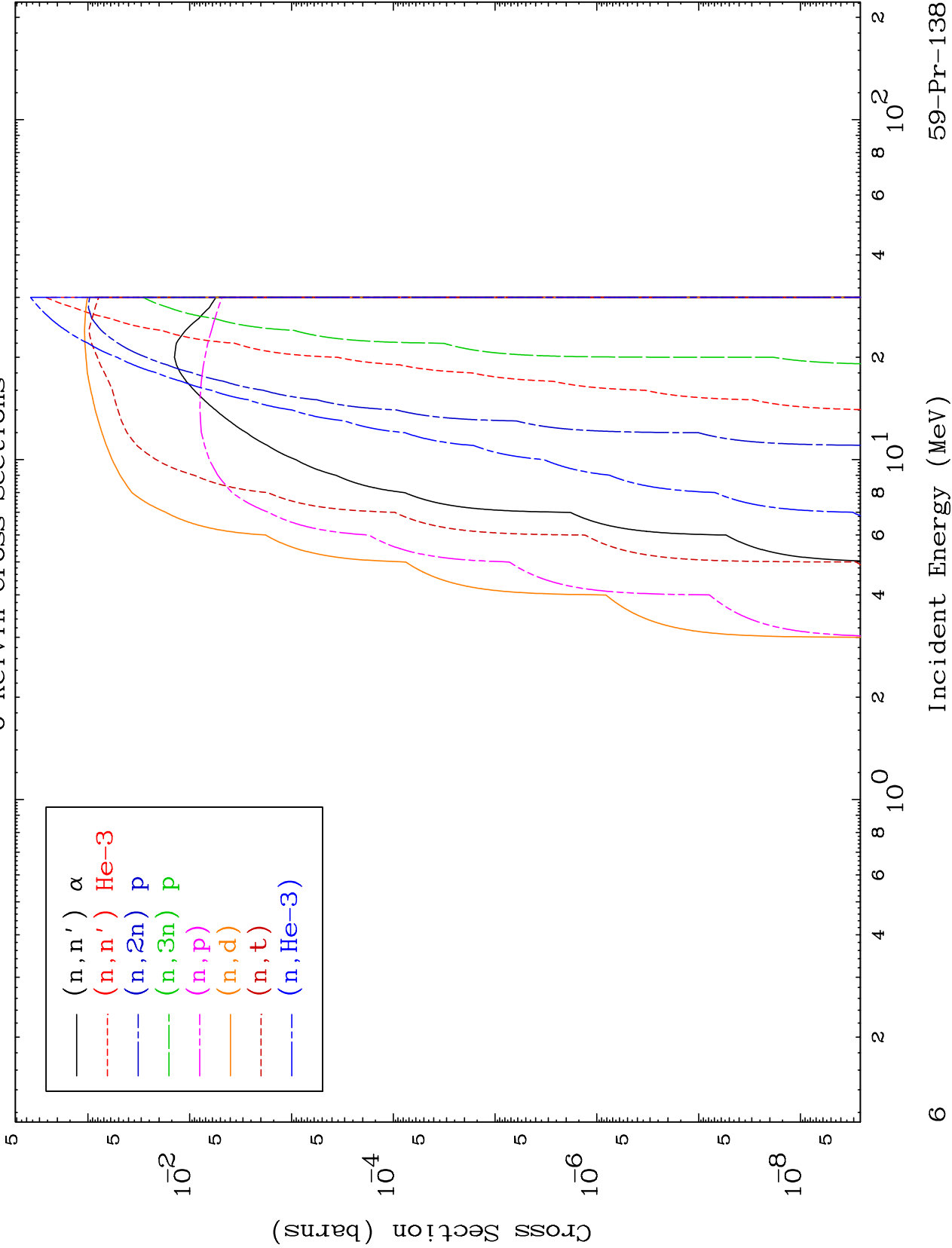


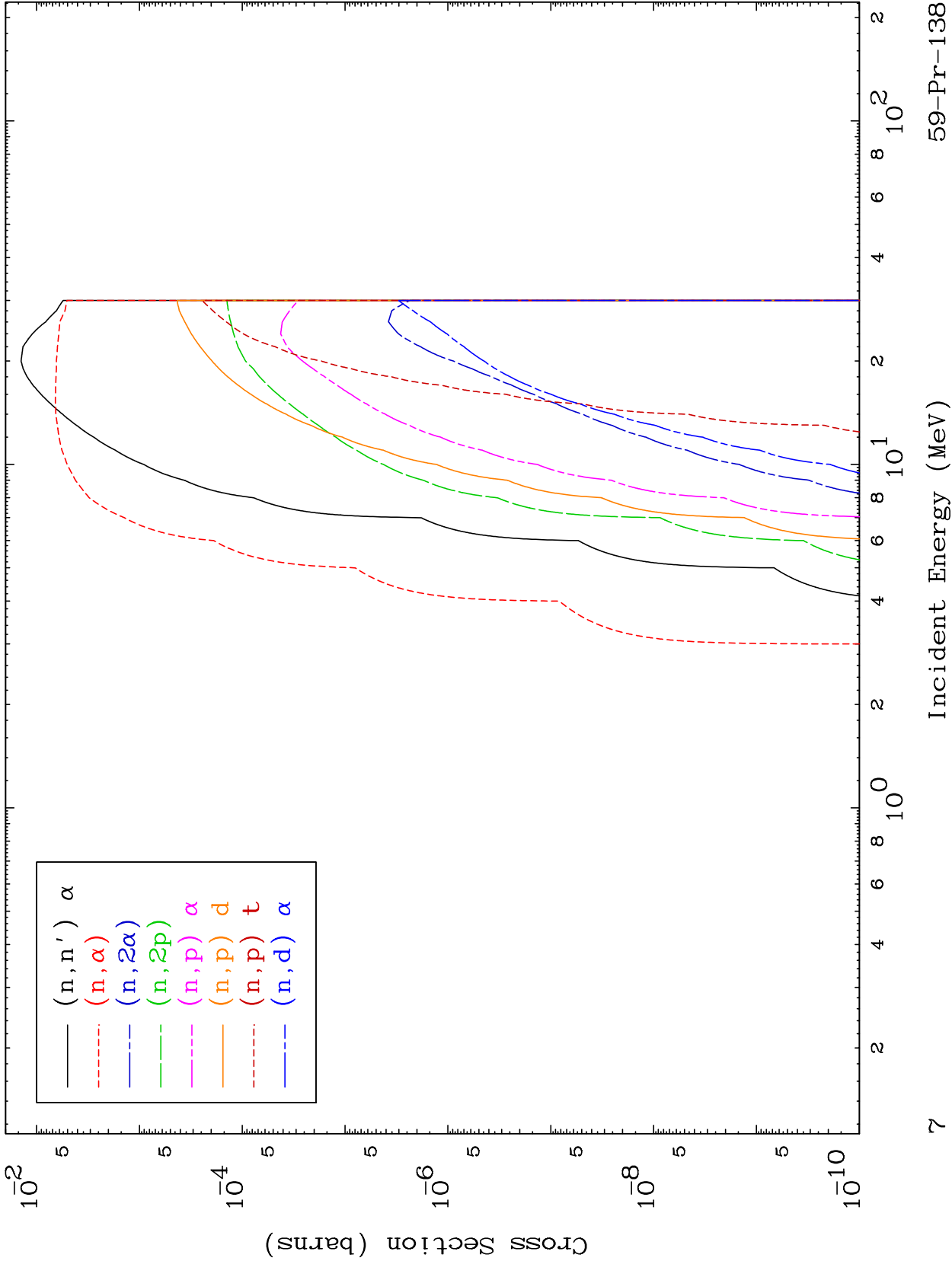








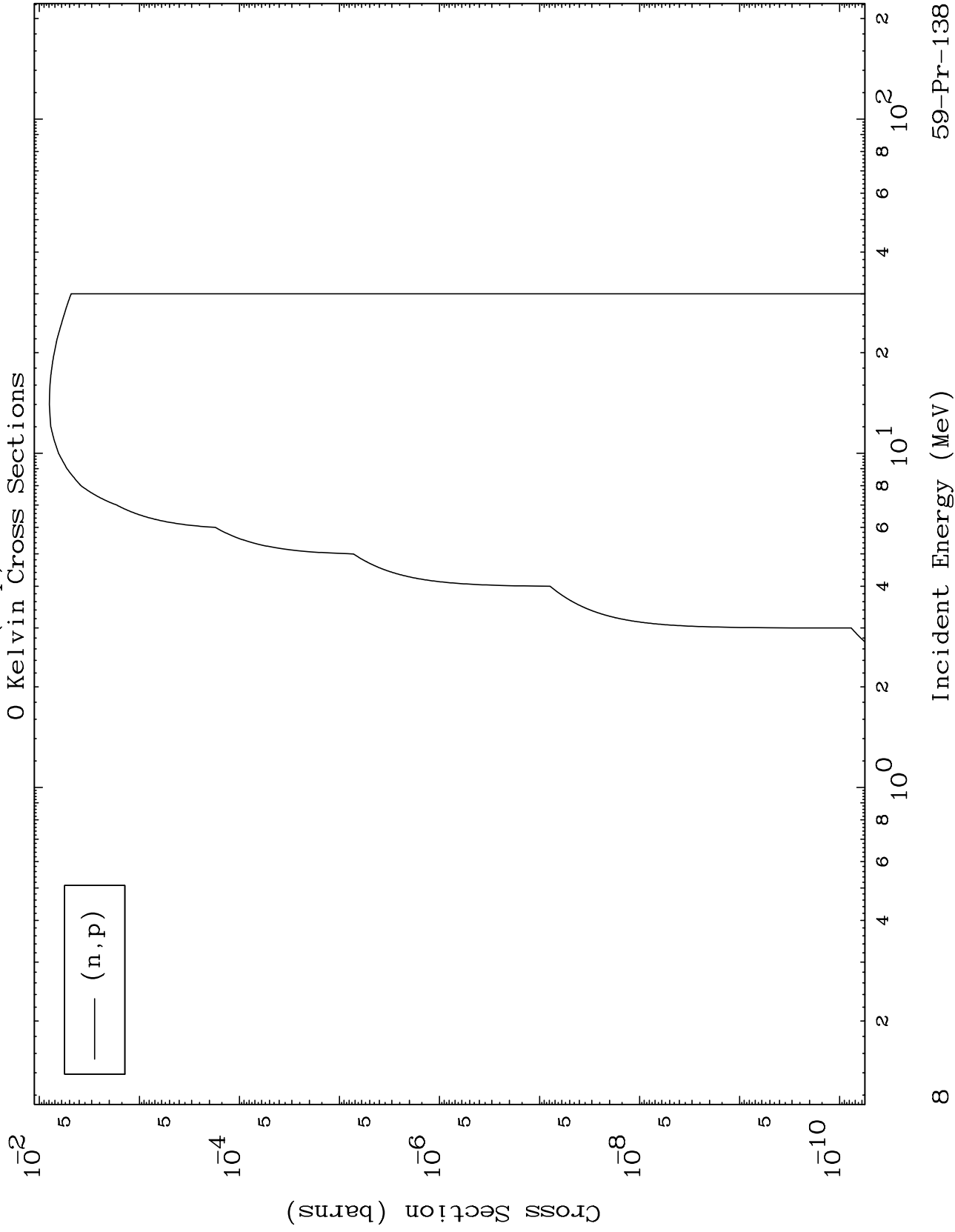


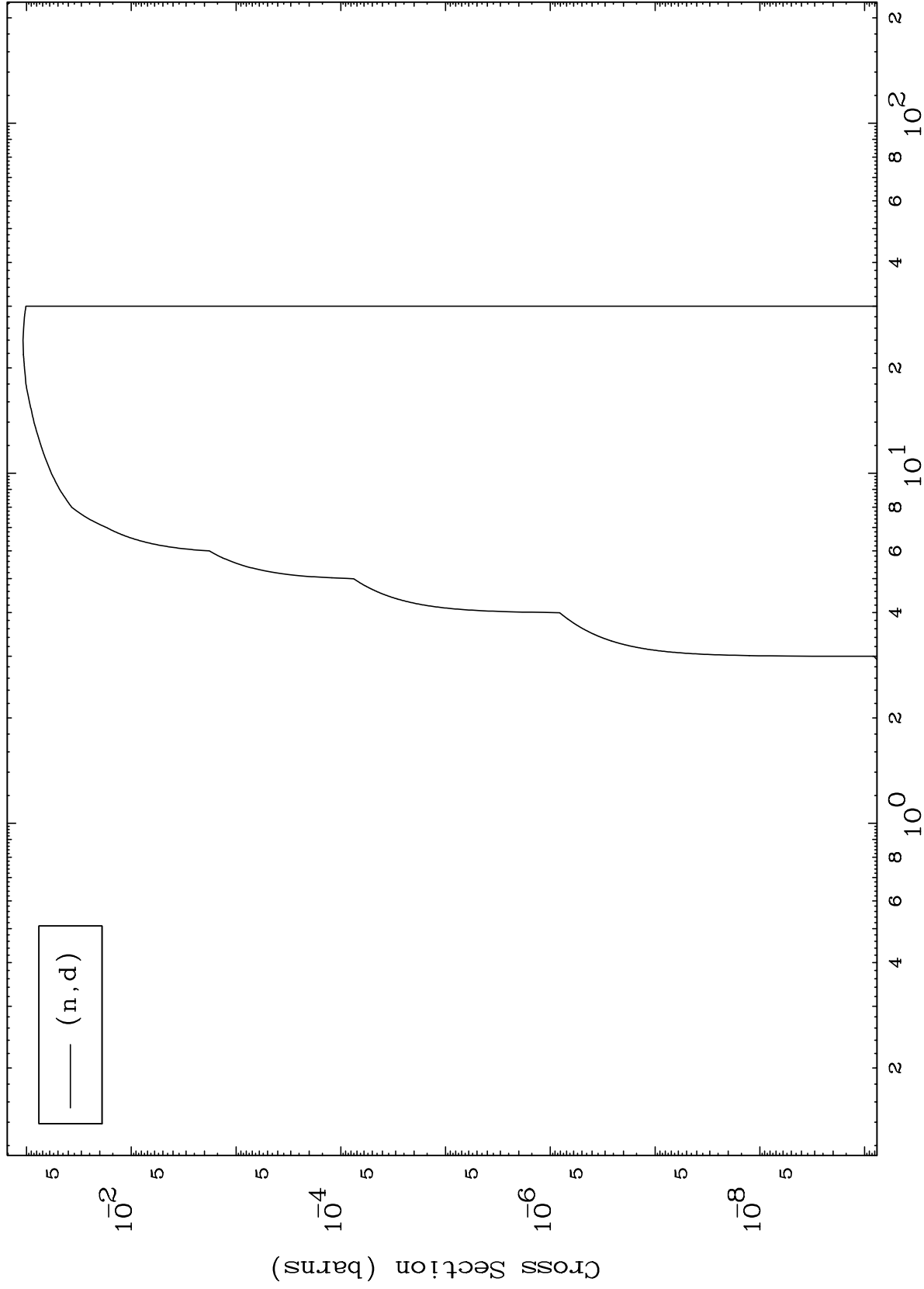


MAT 5916

(t,p) Levels

59-Pr-138



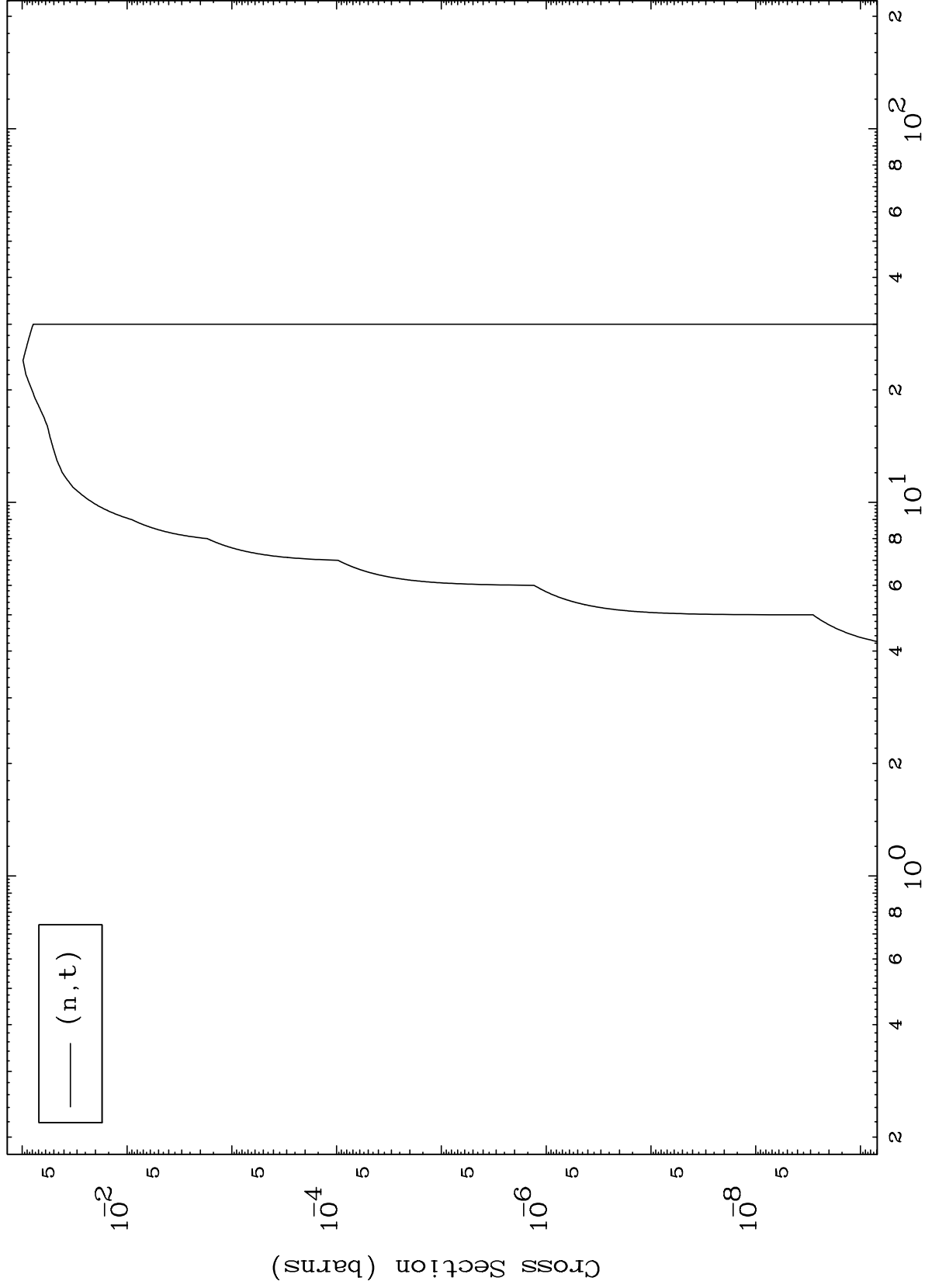


MAT 5916

(t, t) Levels

59-Pr-138

0 Kelvin Cross Sections



10

Incident Energy (MeV)

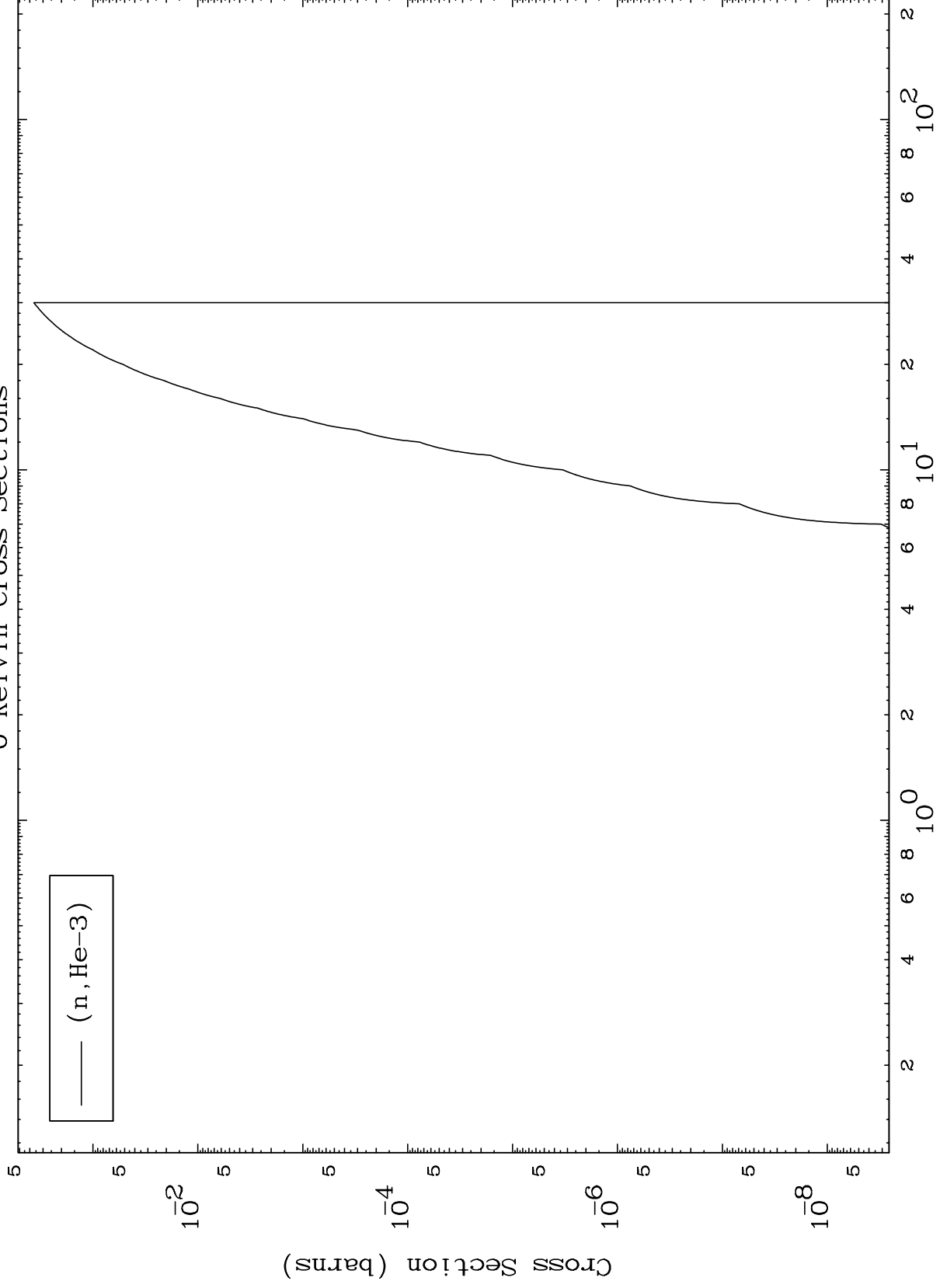
59-Pr-138

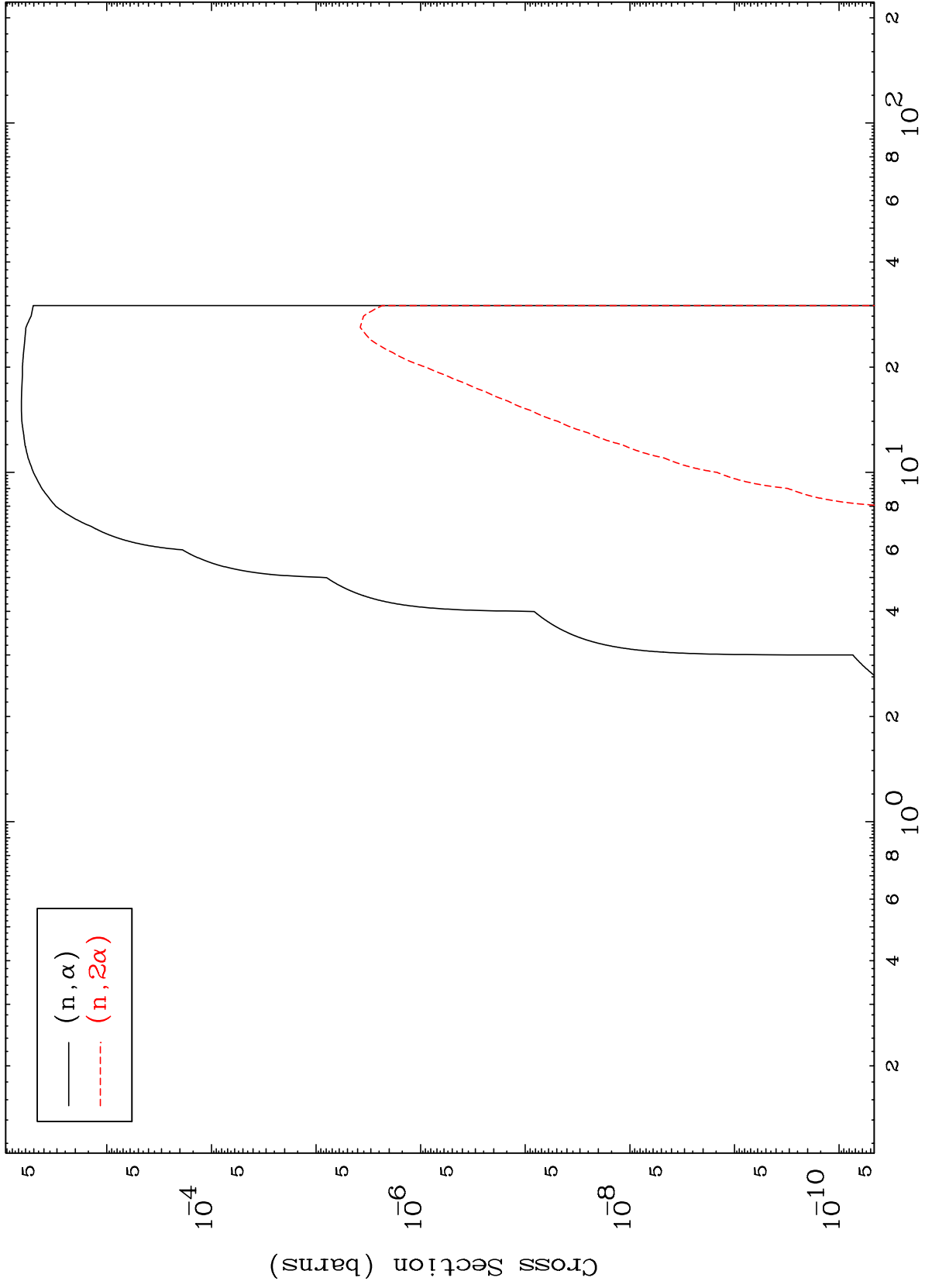
MAT 5916

(t,He3) Levels

59-Pr-138

0 Kelvin Cross Sections

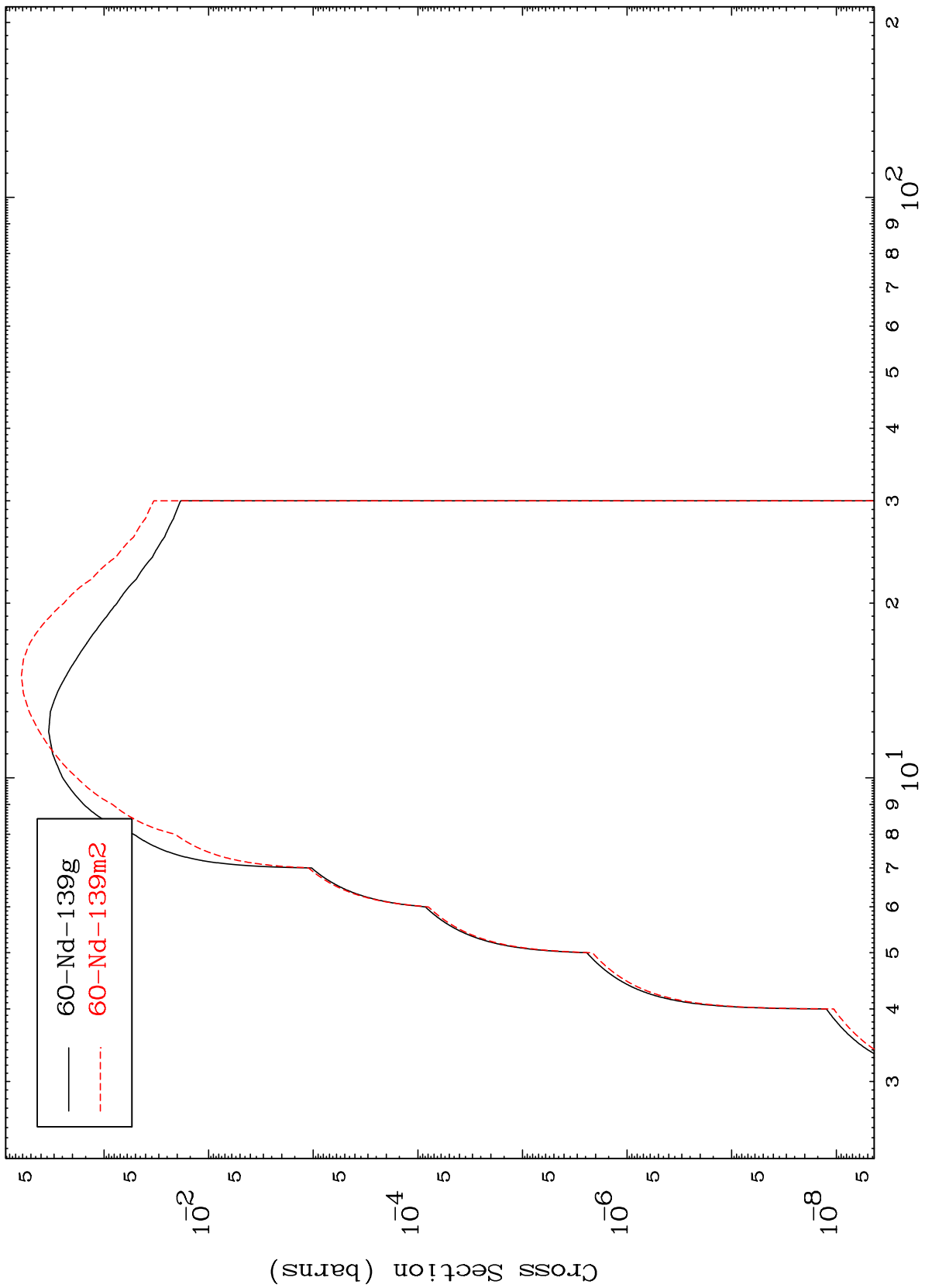




MAT 5916

59-Pr-138

(n,2n)
Radionuclide Production Cross Section



13

Incident Energy (MeV)

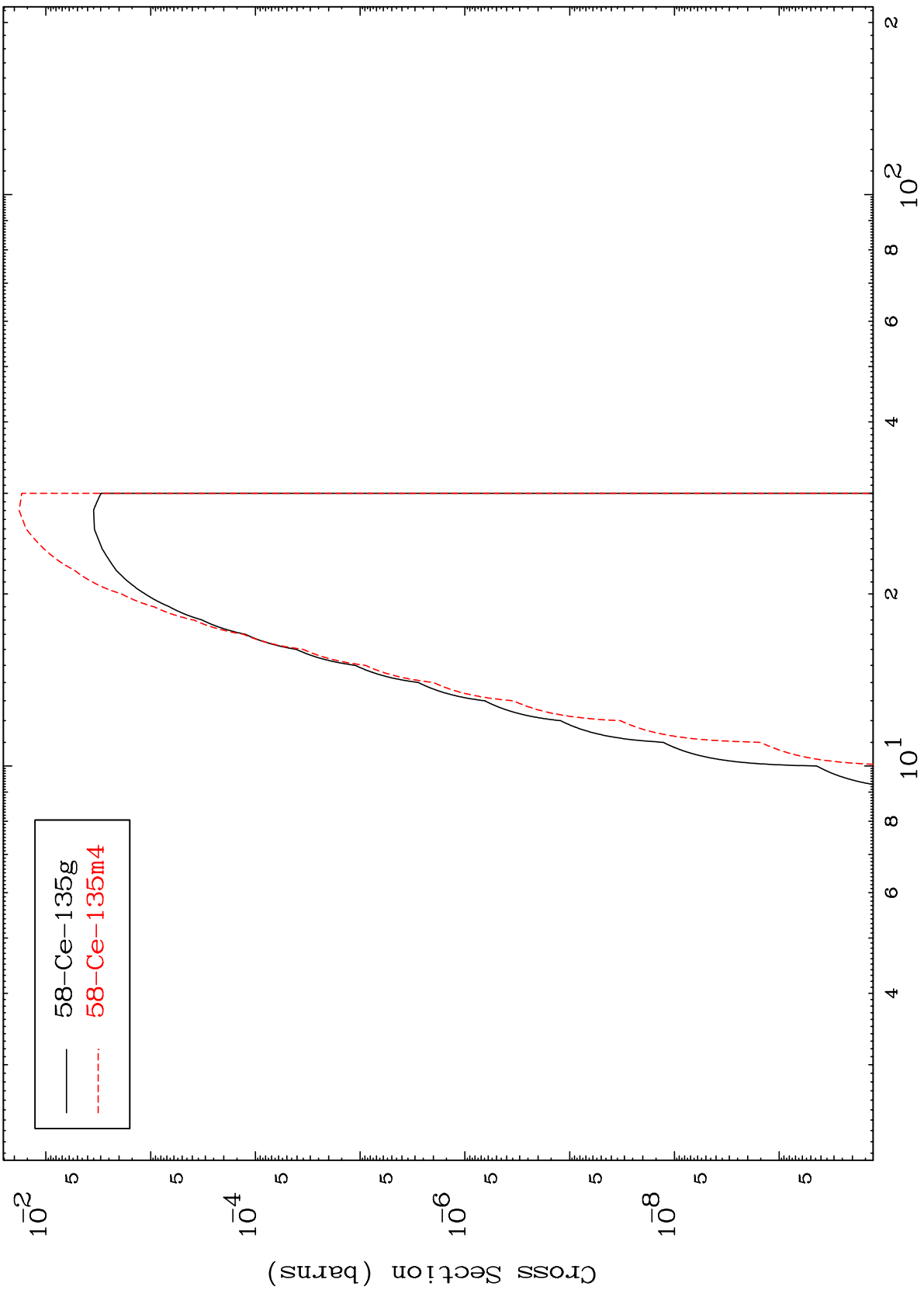
59-Pr-138

MAT 5916

59-Pr-138

(n,2n) α

Radionuclide Production Cross Section

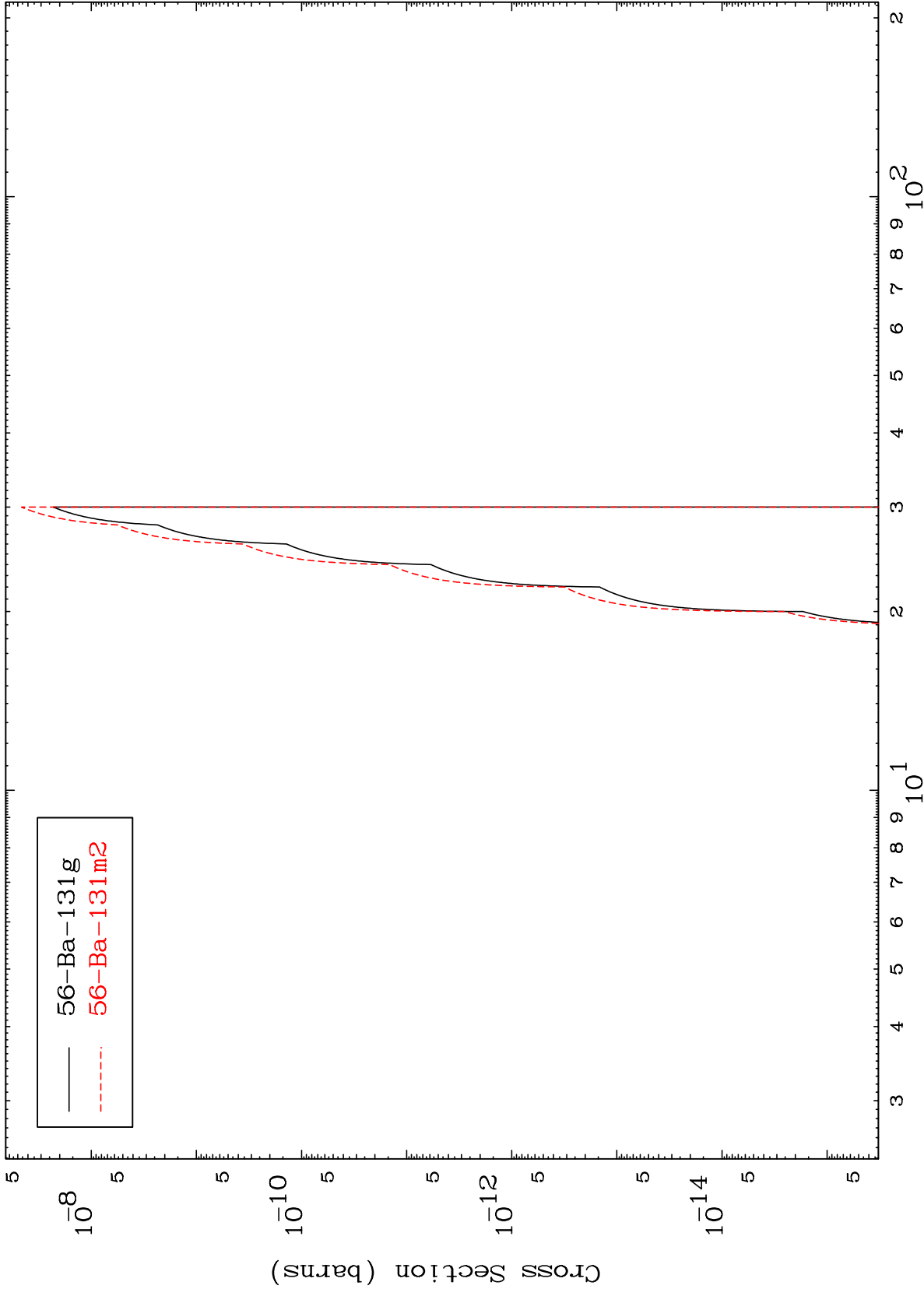


MAT 5916

$^{59}\text{Pr-138}$

$(n,2n) 2\alpha$

Radionuclide Production Cross Section



56-Ba-131 g
56-Ba-131 m2

15

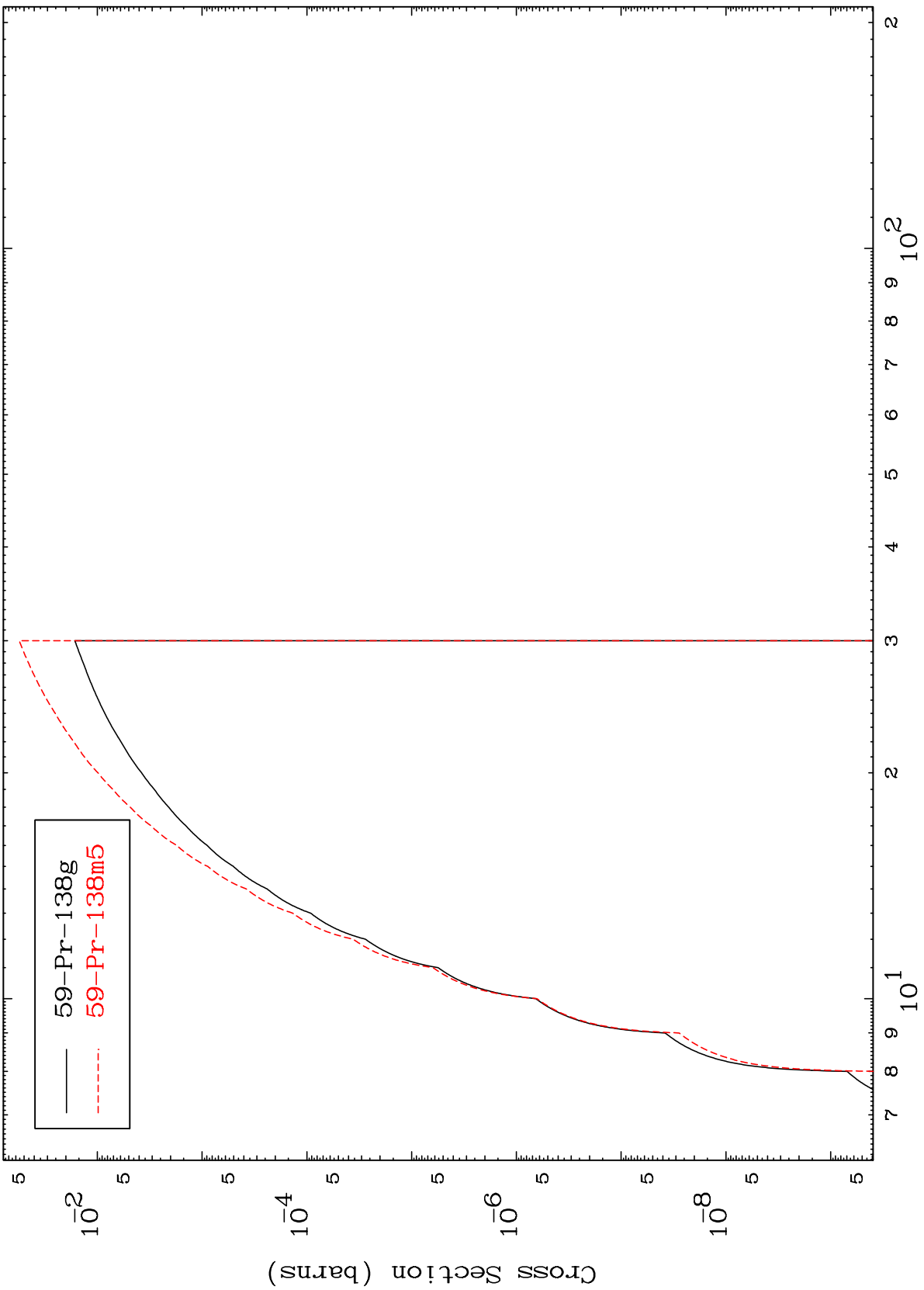
Incident Energy (MeV)

$^{59}\text{Pr-138}$

MAT 5916

59-Pr-138

(n,n') d
Radionuclide Production Cross Section



16

Incident Energy (MeV)

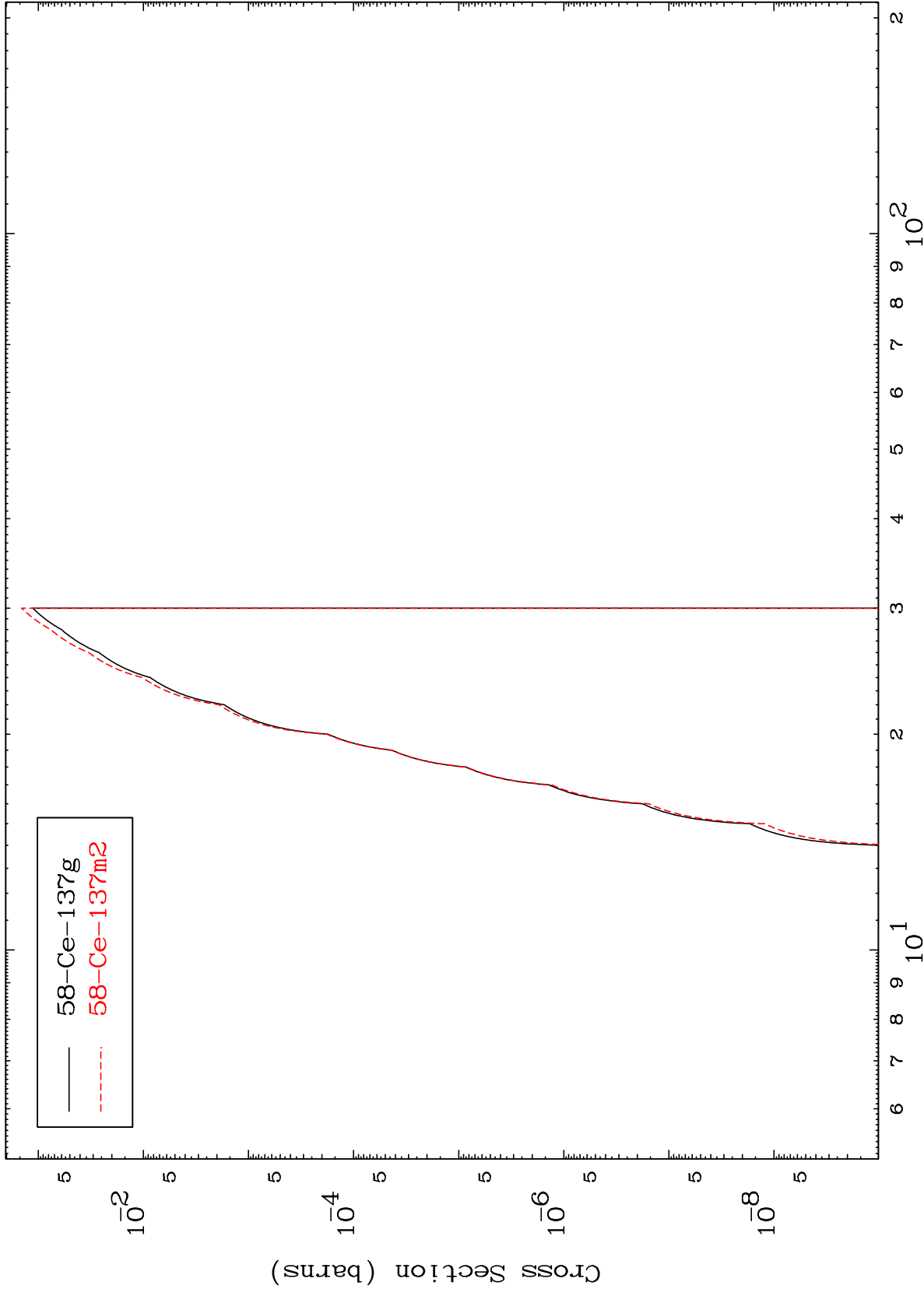
59-Pr-138

MAT 5916

(n,n') He-3

59-Pr-138

Radionuclide Production Cross Section

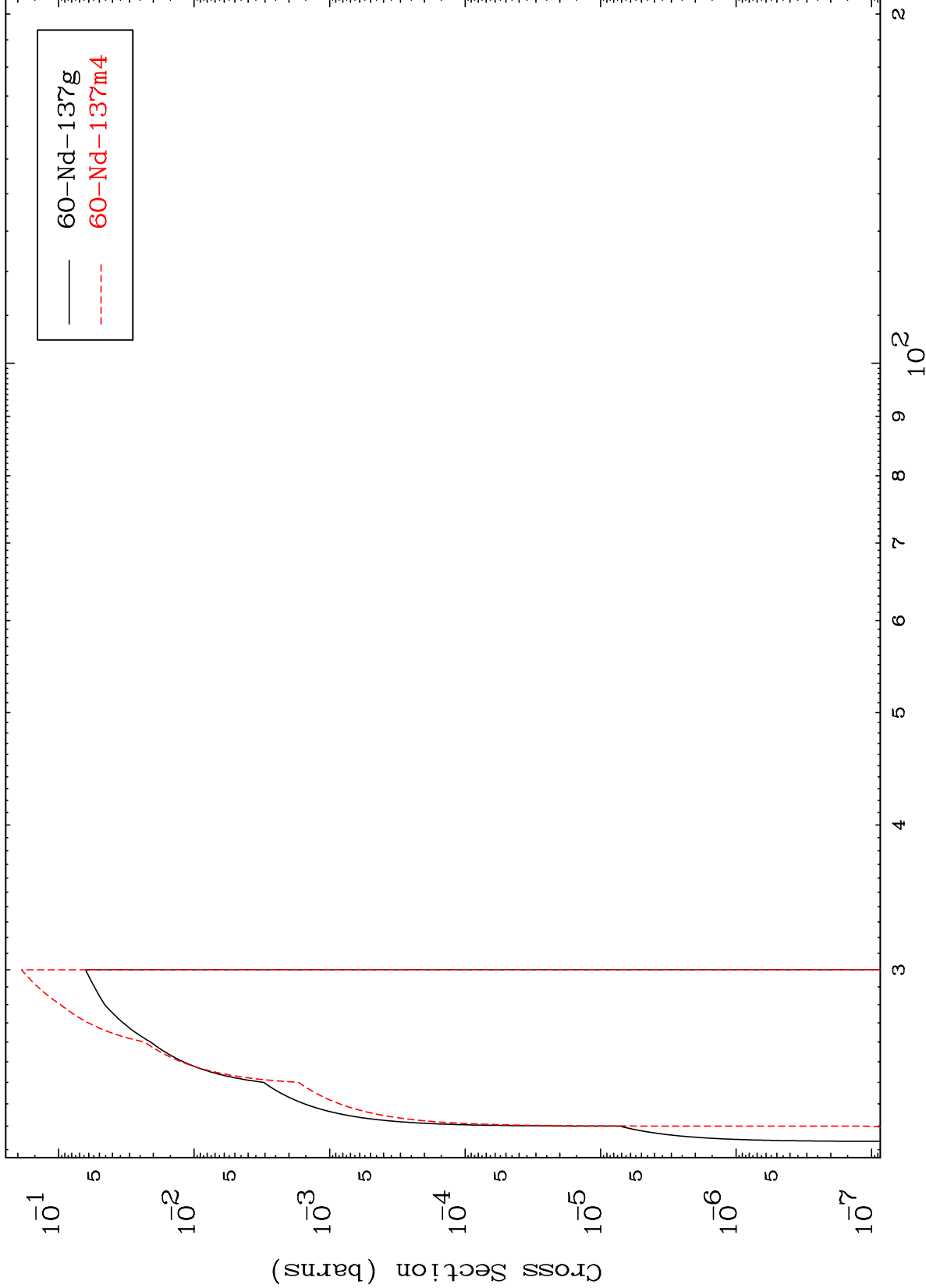


17

Incident Energy (MeV)

59-Pr-138

Radionuclide Production Cross Section

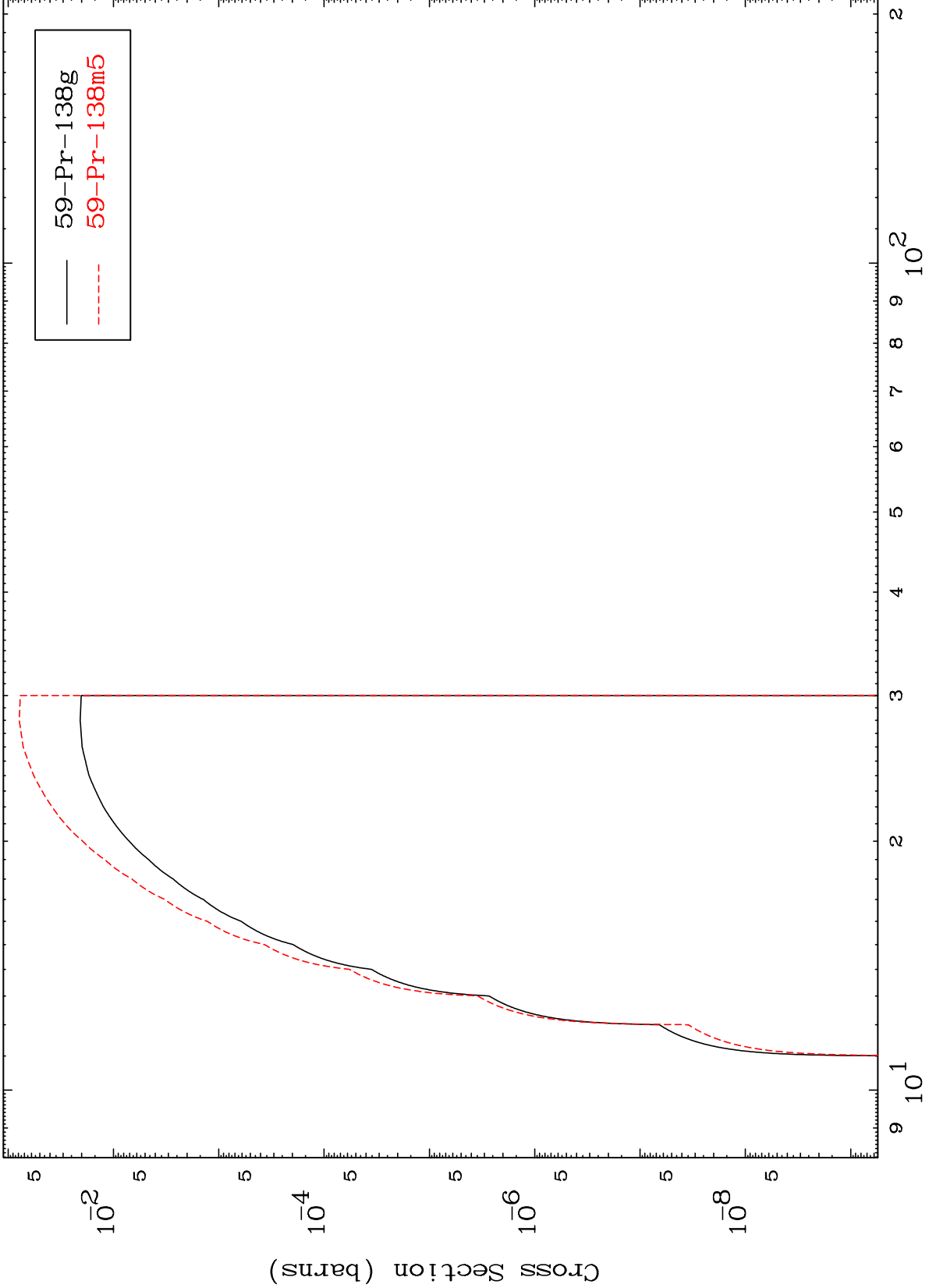


MAT 5916

(n,2n) p

59-Pr-138

Radionuclide Production Cross Section

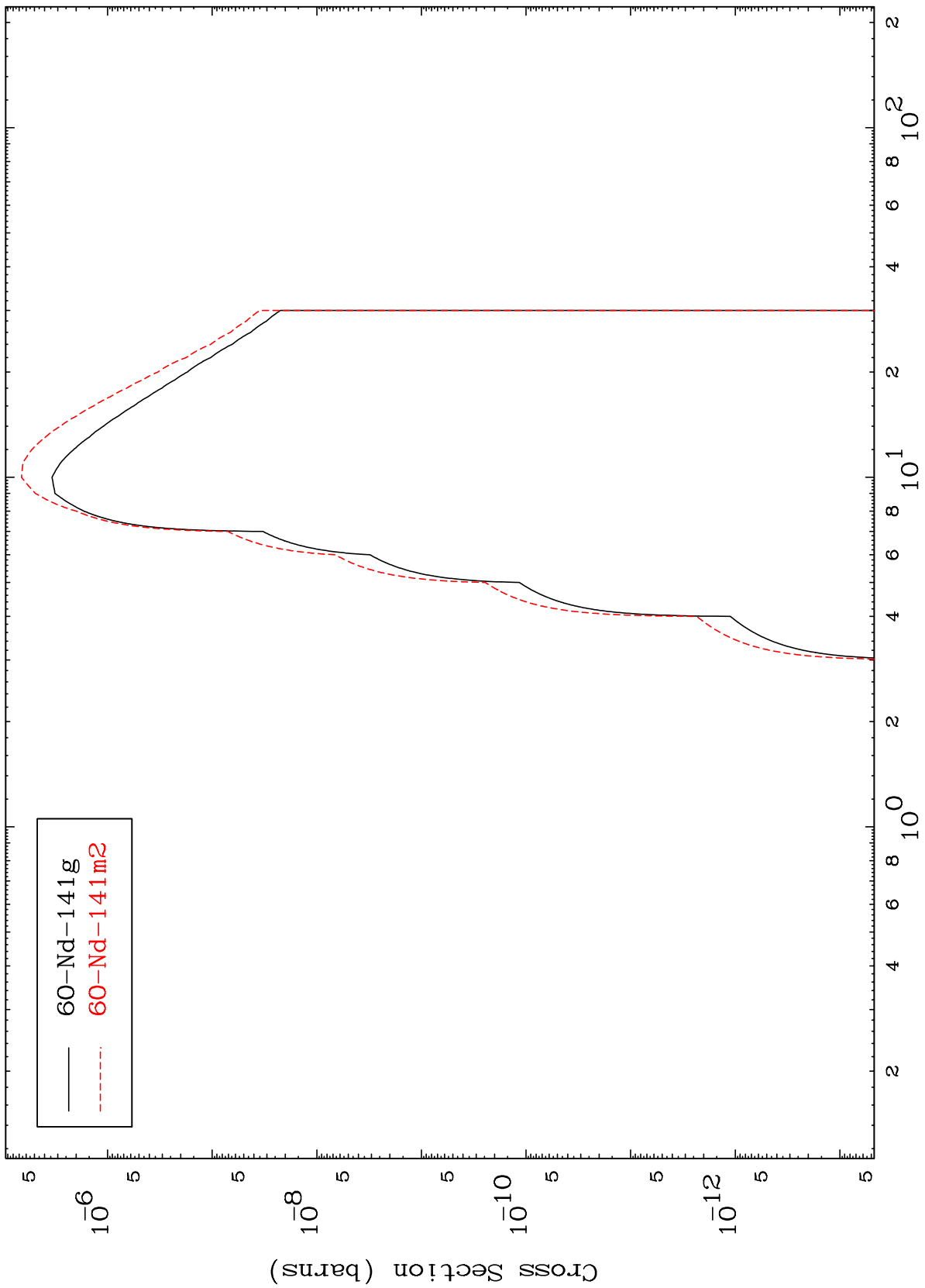


19

Incident Energy (MeV)

59-Pr-138

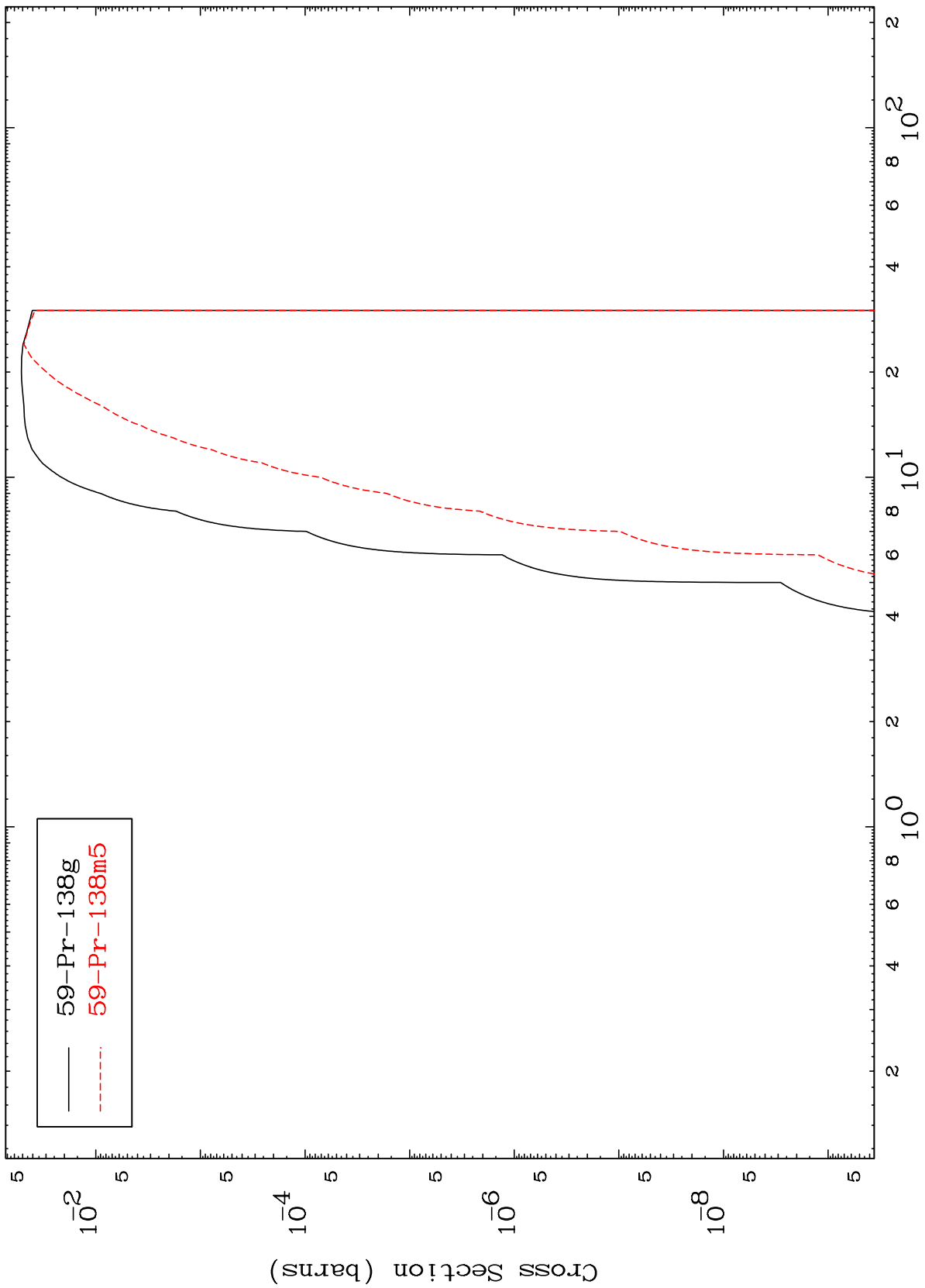
(n, γ)
Radionuclide Production Cross Section



MAT 5916

59-Pr-138

(n, t)
Radionuclide Production Cross Section



59-Pr-138g
59-Pr-138m5

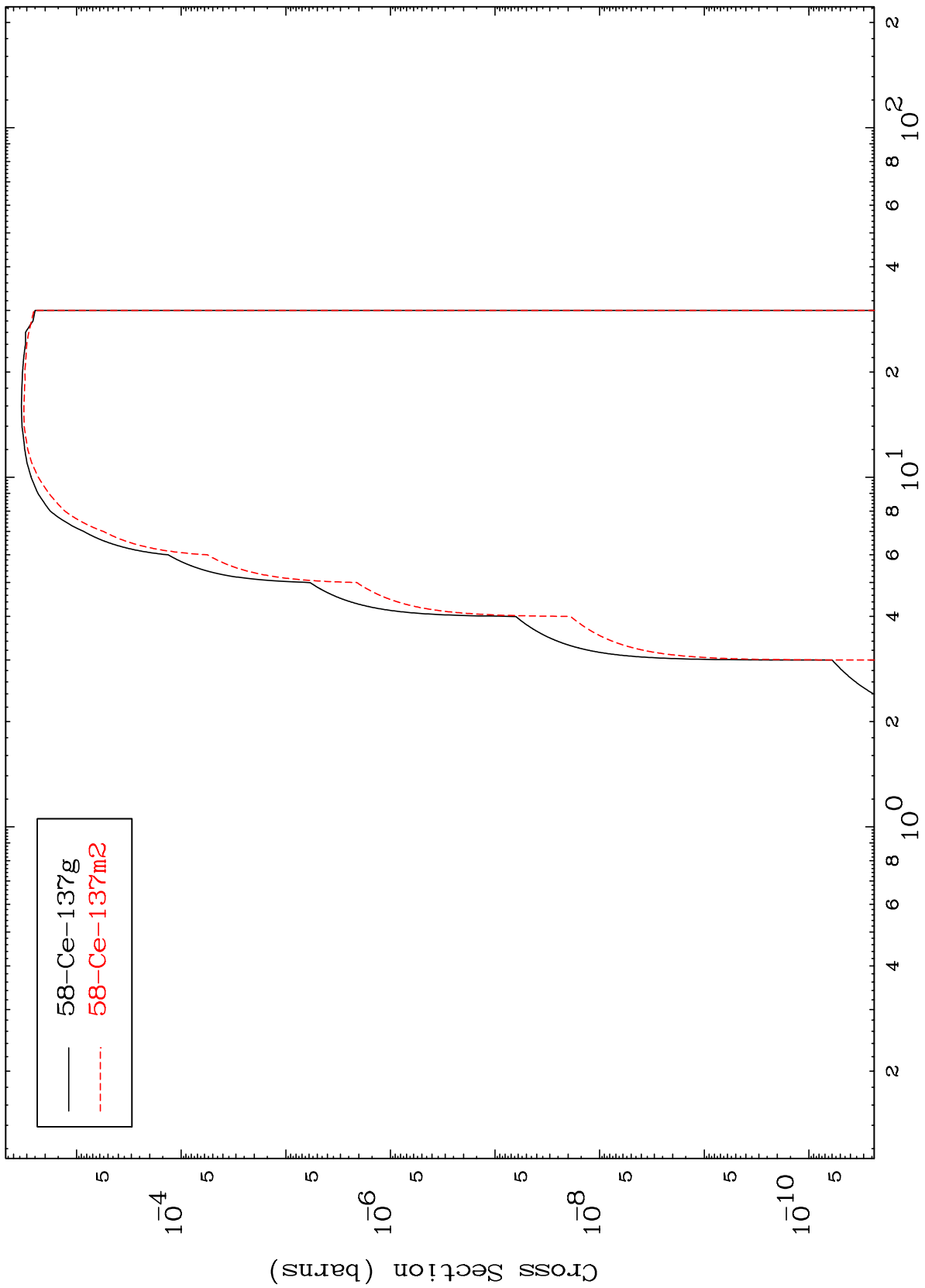
59-Pr-138

Incident Energy (MeV)

MAT 5916

59-Pr-138

(n, α)
Radionuclide Production Cross Section



59-Pr-138

Incident Energy (MeV)

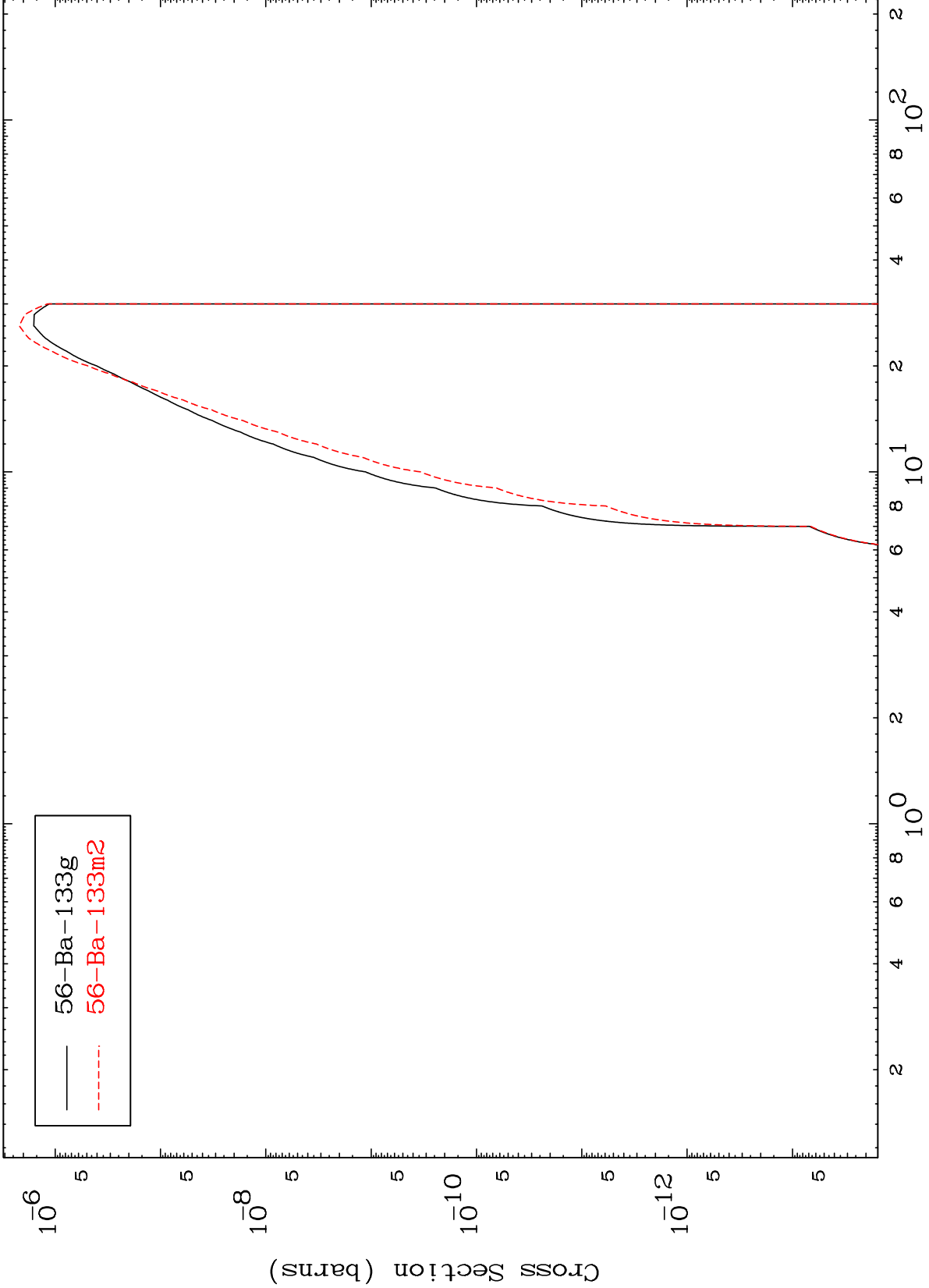
22

MAT 5916

(n,2α)

59-Pr-138

Radionuclide Production Cross Section

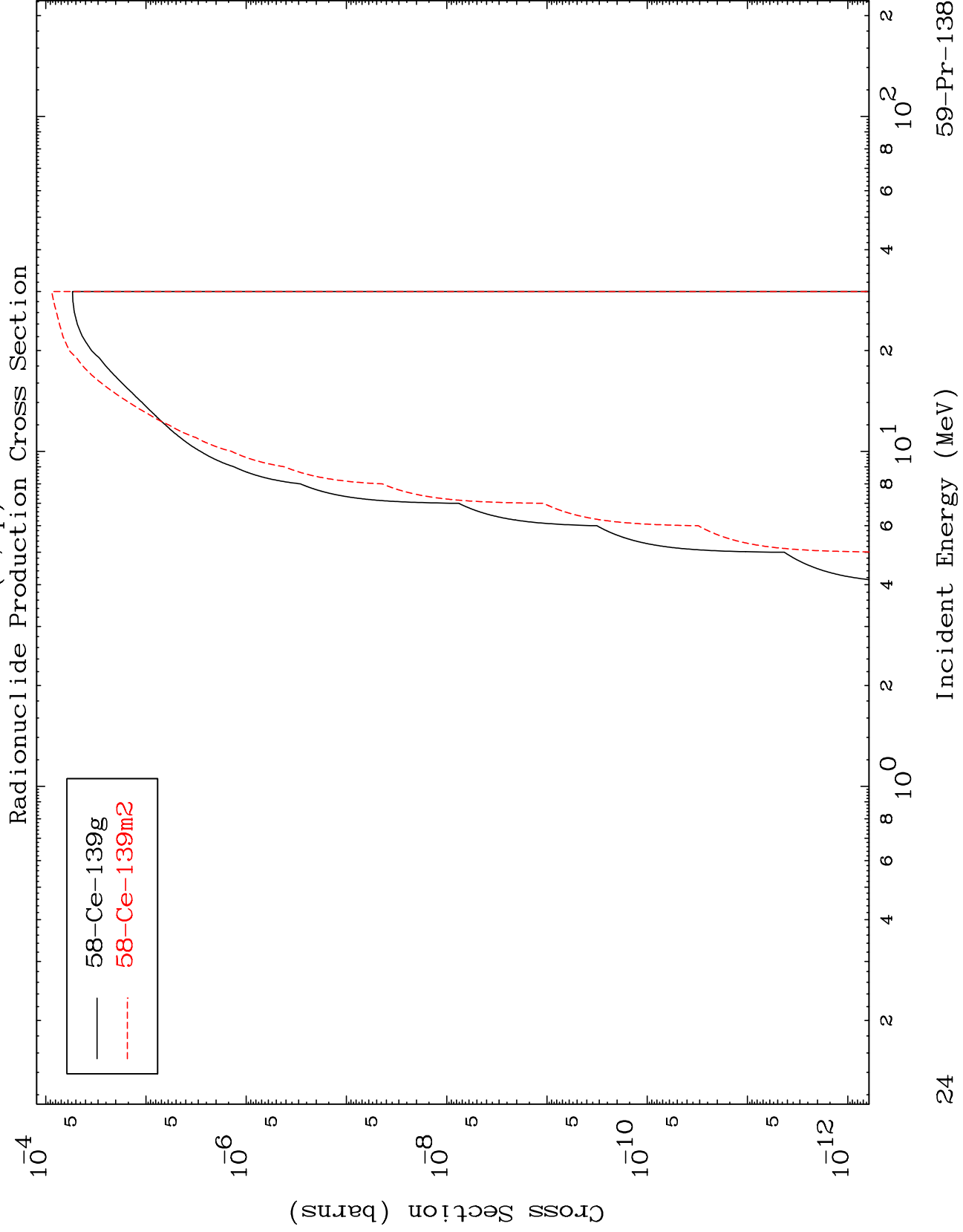


56-Ba-133g
56-Ba-133m2

MAT 5916

(n,2p)

59-Pr-138



24

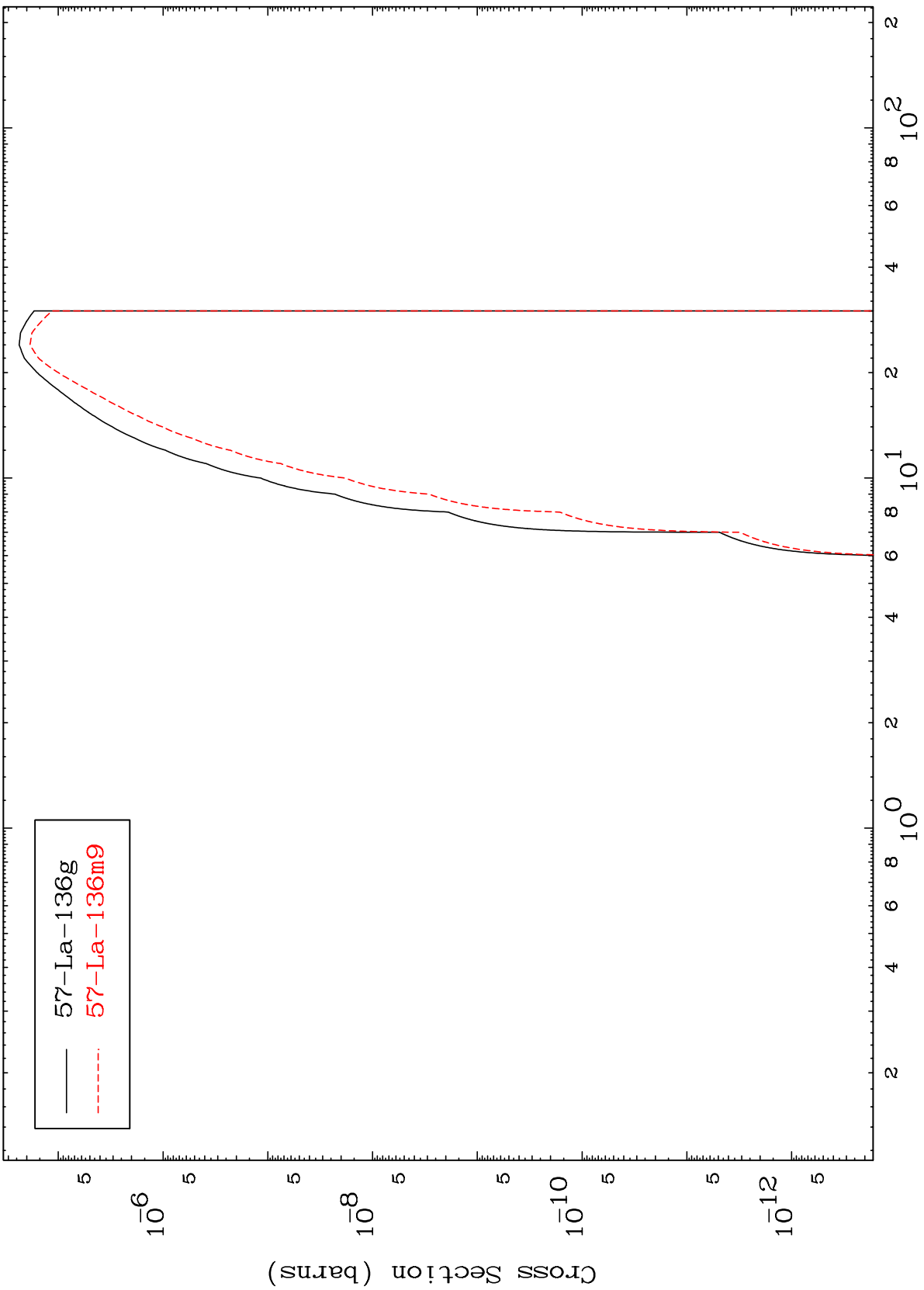
59-Pr-138

MAT 5916

(n,p) α

59-Pr-138

Radionuclide Production Cross Section



57-La-136g
57-La-136m9

Radionuclide Production Cross Section

