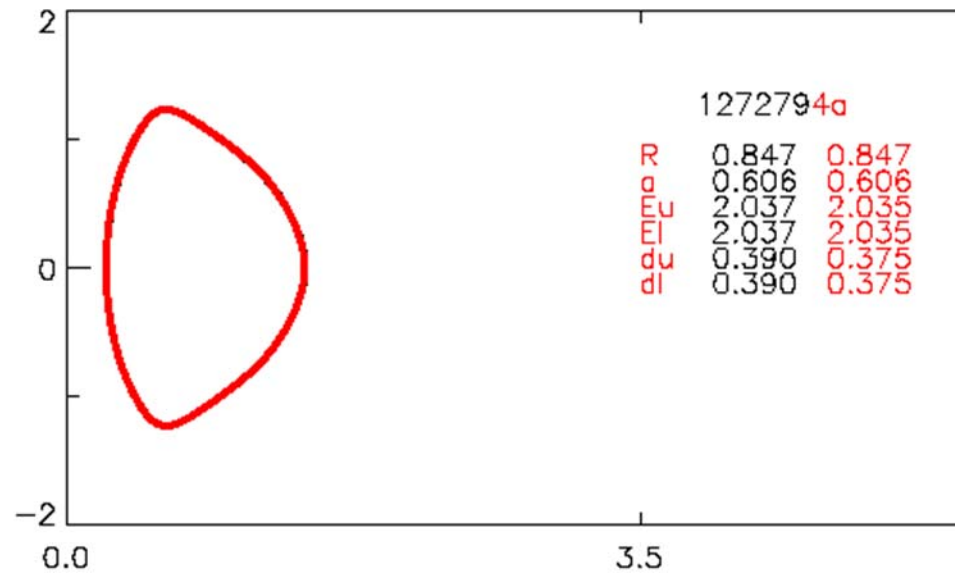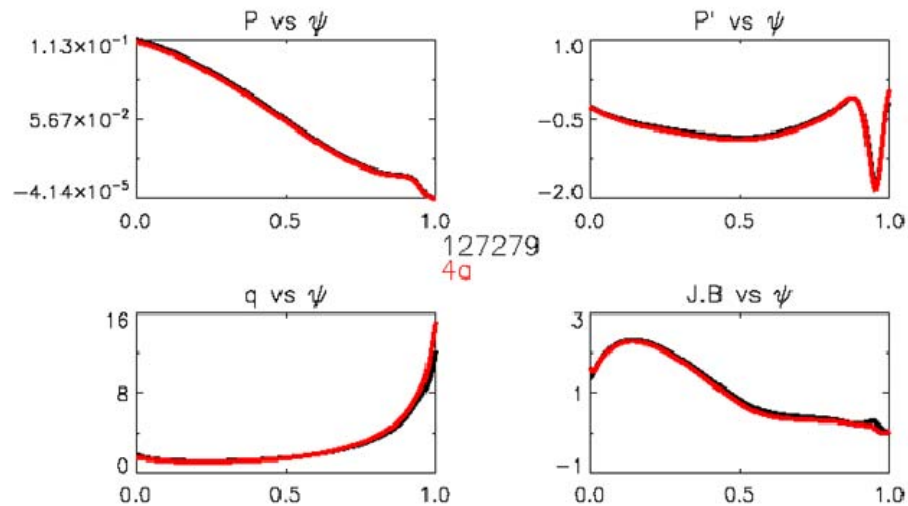# A Study of the Edge-Stability dependence on edge pressure gradients
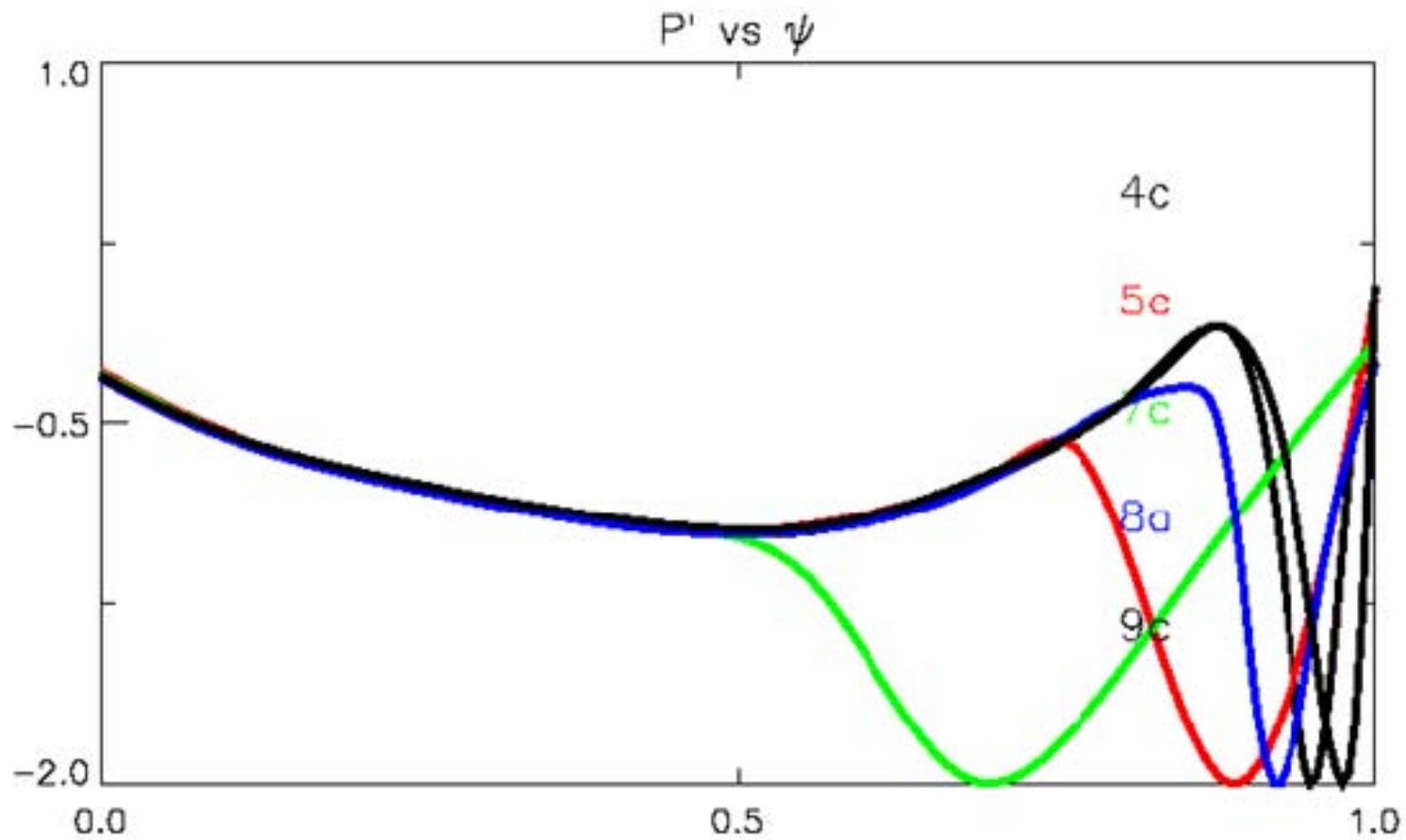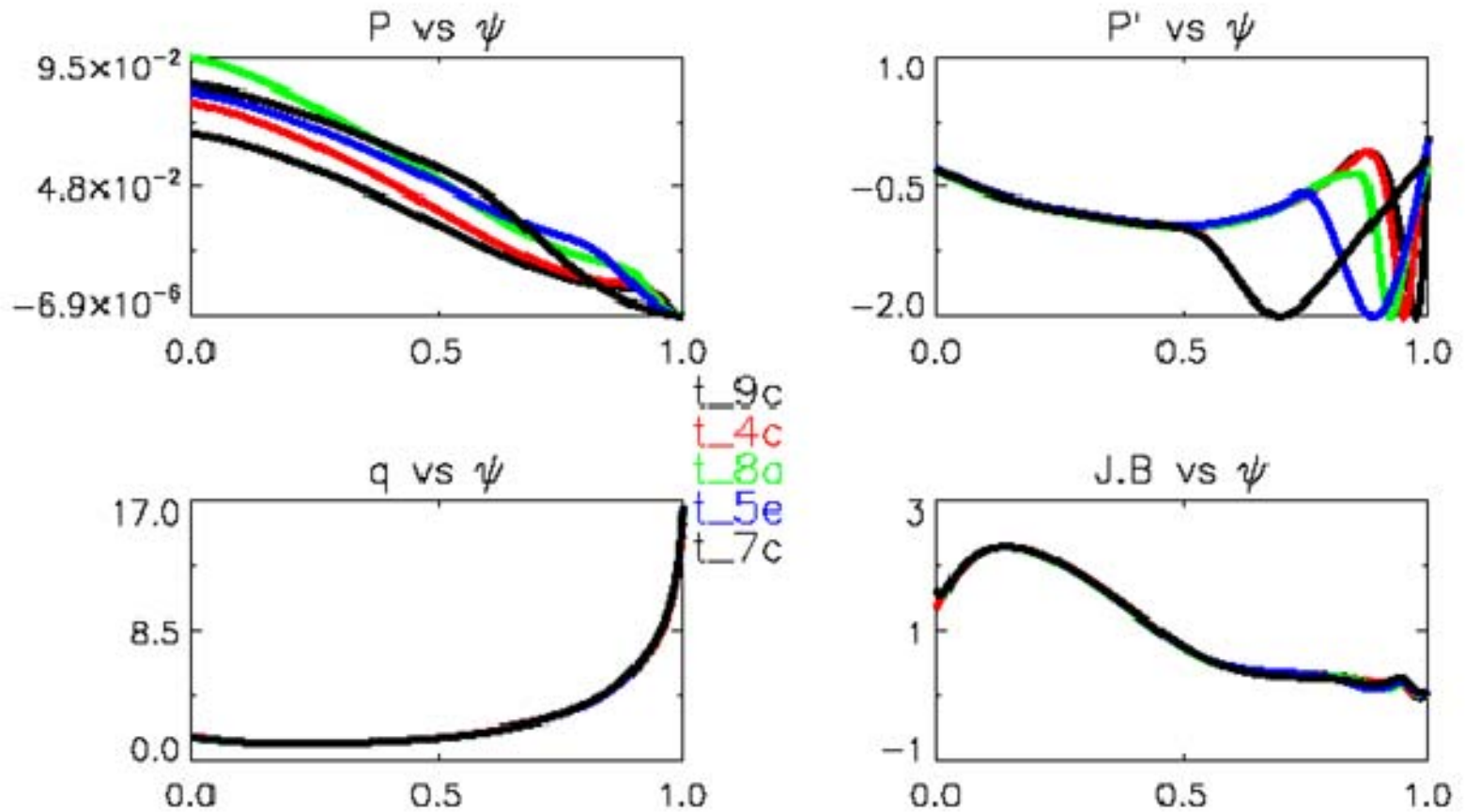
Janardhan Manickam

May, 2010

Using profiles from 127279 generate a base equilibrium (4a)

Vary the location of max p'

The current profile is not changed

The beta threshold for the n=3 kink/ballooning mode shows a sharp increase as r/a decreases from 1 to 0.9

beta vs R(ppmin)