

# H-L Back Transition Paper Outline

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## 1 Introduction

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## 2 Probably Something to do with back-transitions

## 3 Data to be collected (as of now)

- Look to see if the dominant mode shifts to higher mode number as rotation is decreased. With all other things remaining the same, this could be an indicator of softer transitions because higher mode numbers tend to penetrate less deeply into the plasma and will release less energy and reduce the pedestal height less.
- Can change the radial electric field
- Can change density in the pedestal

## 4 Visuals

- Plot of growth rate as a function of mode number. Could show how mode number peak changes (in width, center, etc.) as a function of change in parameters (density, e-field, rotation)
- Plot of some parameter as a function of  $\psi_N$  (As seen in Eldon/Snyder papers for change in  $T_e$  before and after an ELM)
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