

# What's left to do for ramping "it" up?

- Gradually increase number of bunches
- Gradually increase bunch intensity
- Rebucket (storage cavities)
- Optimize collimation (new software, different lattice!)
- Optimize gap cleaning (upgraded hardware and software: higher intensity, shorter bunches!)
- Commission collimation on the ramp if needed/feasible
- Stochastic cooling in yellow, prepare in blue
- Pressure rise/transition crossing
  - Shorter bunches
  - Commission new transition monitor
  - Potential vacuum issues (many areas now NEG coated, baked)  
IR2, IR4 (RF area), IR6