

# Status of 1.3-GHz Cavity Vacuum Furnace for IB4

- Last week's testing
  - 4 hours pumping - 600°C
  - Another 8-10 hours pumping - 1000°C
  - Baked at 1100°C for 2 hours to clean chamber
  - Cooled but continued pumping to reach ultimate vacuum pressure over weekend

# Vacuum Pressure Measurements

Chamber temperature (°C)	Cold Cathode reading (torr)	RGA reading (torr)	Required by Spec (torr)
70	--	$1 \times 10^{-7}$	$1 \times 10^{-8}$
600	$9.9 \times 10^{-8}$	$9 \times 10^{-7}$	$1 \times 10^{-7}$
1000	$1.8 \times 10^{-7}$	$2 \times 10^{-6}$	$1 \times 10^{-6}$

# Current Schedule

- Week of July 26: Acceptance testing at vendor site
- Week of Aug 2: Preparation for shipping
- Week of Aug 9: Shipping and delivery to FNAL
- Aug 16 – Sept 20:
  - Installation
  - Final acceptance testing
  - Operator training @ FNAL
  - ORC Review