

# Crab RF power tests in SM18

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# SSPA

- ✓ 1.2 kW CW @ 400 MHz
- ✓ Inlet 230 VAC
- ✓ Air cooled
- ✓ 3/8'' N input from control room
- ✓ 7/8'' 7-16mm output to bunker
- ✓ 7/8'' 7-16mm to WG WR3200
- ✓ FPC WG system

Only one cavity at a time

# IOT

- ✓ IOT in BB3
- Move to SM18 : 4 months
- Requested
  - Inlet 400 VAC 250 A
  - Water
- ✓ 3/8'' N input from control room
- ✓ FPC WG system
- 6-1/8'' output to bunker : 1 month
- 6-1/8'' to WG WR3200 HH : 1 month

Only one cavity at a time four months after official request

# Conditioning loop

Three stand alone systems

- Two for BA6

- One for SM18

- Modulations (AM+FM)

- Cables already in place

Generator from LLRF

- Tuned to  $f_c$

- Fixed level +10 dBm