

# Gun 3 Conditioning: Suggestions from HH

- 1) Vacuum IL threshold increase: ->  $5e-8$ mbar @ **GUN.PG1**.
- 2) DDD Gun conditioning panel – to be developed. -> first layout design (MO+MK), then realization (controls)
- 3) Check all IL signals consistency (DOOCS names, GUI panels +charts labels).
- 4a) RF parameters control: pulse length (ok), rise+fall times, max power SP (not yet).
- 4b) Max (Klystron? or T-combiner forward?) power vs. Modulator HV chart: (Logbook/doc/Subsystems/RF)
- 5) IR detector @ window -> change back to PMT (will be done in parallel with TCPs firing)
- 6) Information of all thresholds:
  - Vacuum (V + mbar)
  - Others (V)
  - PMTs (V + cross-calibration with HH)
- 7) Consider increasing IL thresholds for PMTs and e-detectors
- 8) Clarify why PMT and e-detector signals are changing sign (should be always either all-positive or all-negative)
  - Cross talk with RF??
- 9) PITZ GUI issues:
  - “Calculated” value should follow the meaning (usually should be max-min, but maybe not always?)
  - Adjust data filter
  - At least 3 months data history should be available