

# MTA Update

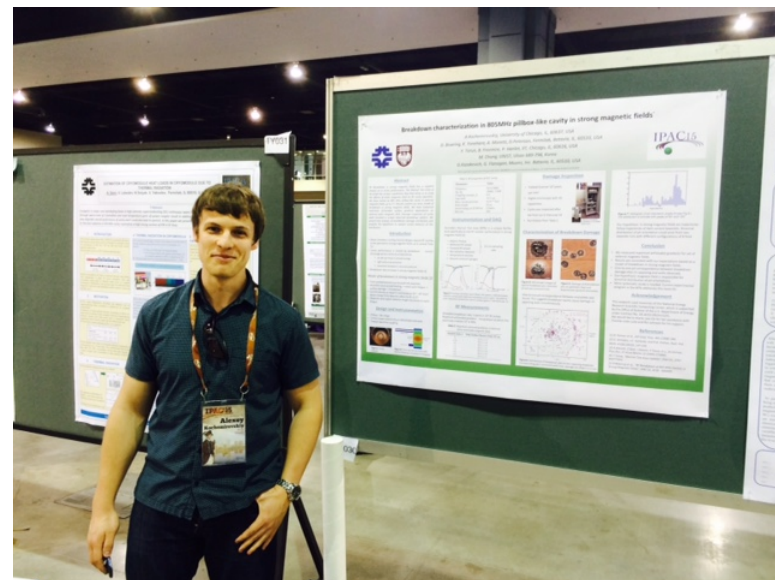
Ben Freemire  
MAP Weekly Meeting  
May 15, 2015

# Reported April 24

- MICE
  - B=0 run with Be windows complete
- Modular
  - Commissioned up to 30 MV/m in B=0 (Yay!)
  - 10-20 sparks
- HPRF
  - Pressure safety documentation in progress

# Since Then – 805 MHz

- Modular Cavity
  - Analysis of first, B=0 run ongoing
  - Results presented at IPAC
- HPRF Cavity
  - New pressure relief valve, reflecting new pressure seal and MAWP, in progress
  - Thermocouples installed on exterior body
  - Results of dielectric sample test presented at IPAC
- Klystron currently out of commission



# 201 MHz Cavity Update

- Continuous running from April 24 – May 5
- Solenoid at 5 T
  - 0.33 T upstream face of cavity
  - 0.17 T mid-plane
  - 0.10 T downstream face
- 6E6 pulses with magnetic field on
- 1E6 pulses at 1 MW (8 MV/m)
- 3E6 pulses at 1.6MW (10.7 – 11.2 MV/m)
  - MICE spec 10.3 MV/m
- 0 Sparks!

# Next

- Resume running today
- Push the limit
  - Up to 4 MW, or as much as we can get
  - Collect 1E6 pulses at max power
- Analysis updates at collaboration meeting