

MIPP TPC

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Activities Since Last Meeting



- Rack protection complete
- Ground wire installed
- Passed electrical safety review, **unattended operation OK**

- Gating Grid drivers (nearly) done, installed
 - GG Cables installed
- Four DC PS chasses repaired (1 operational, 3 spare)
- Down to 3 sticks with problems

- Ramped Cathode to 10 kV (operating) in N₂
- Gas rack **operational**

- Down stream lockdown in hand
- Water drip pan and leak sensor in hand

Things In The Middle



- **Cathode HV**
 - Ramped to 10 kV in N₂ :)
 - Ramped to 5.6 kV in P10 :(
 - Go back to N₂ and retest - today
 - Open lid and inspect?
 - Plastic window to locate arc visually?
 - Cathode HV control program

- **Anode HV Control**

- **Gating Grid**
 - Fix pot knob, rack slide
 - Connect cables to TPC
 - Test operation (waveforms on scope)

Still To Do



- **With TPC Out of JGG**
 - Install water leak sensor, pan, pump shut off
 - Work on 3 bad sticks
 - Electronics bay purge and covers

- **Gas**
 - P10 Mixer
 - O₂ Monitor, H₂O Monitor

- **Analyze “spare” stick data, make repairs**