

# Micromegas panels

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**Micromegas Large Prototype  
panels**

**Installation at DESY**

**Software**

**Preparing for beam tests**

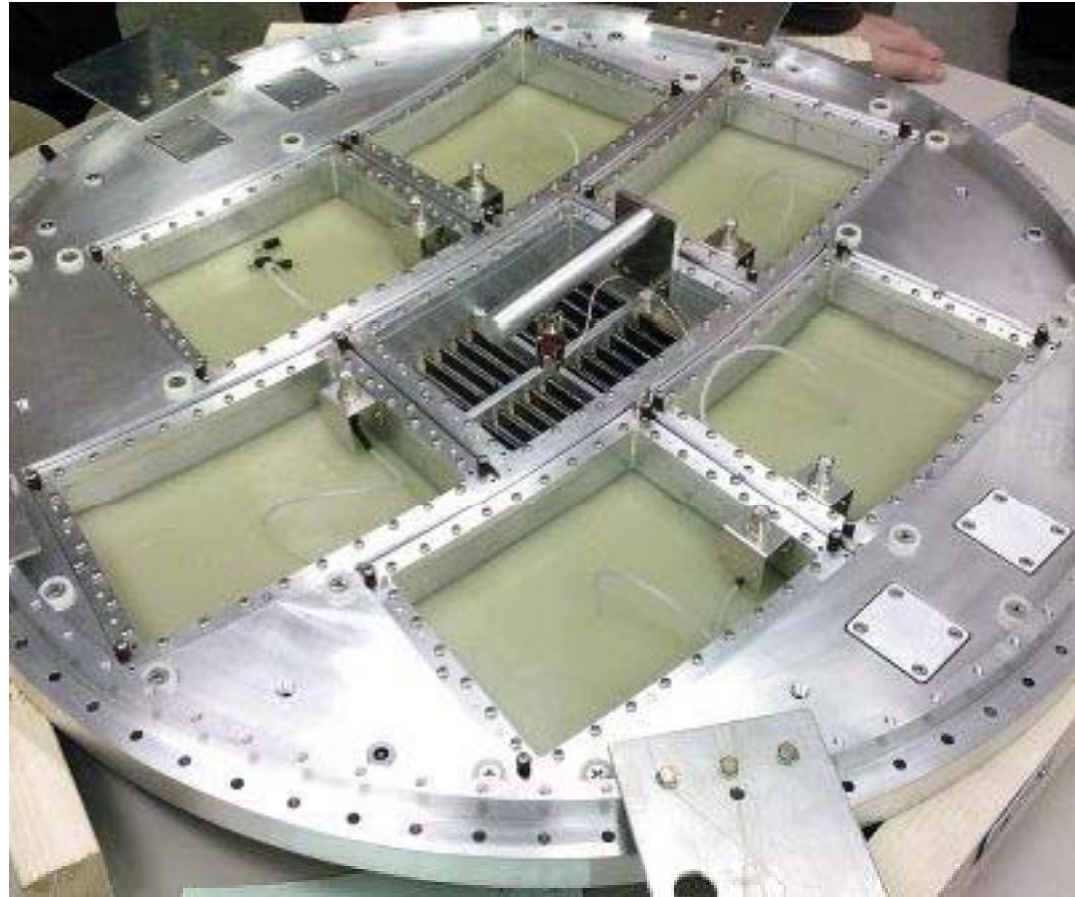


Panels: in 2008-2009: 1 panel at a time in the centre of the detector.

Start with standard pads

Continue (after a week November) with a resistive panel.

Others are dummy. Also plans for trying a multichip InGrid+TimePix panel in 2009



One panel successfully mounted week 44

# Two panels ready and tested at DESY

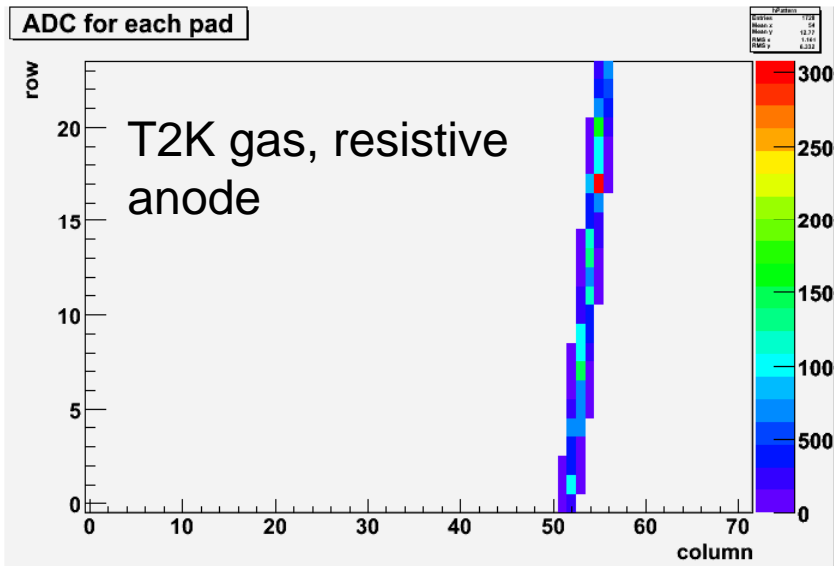
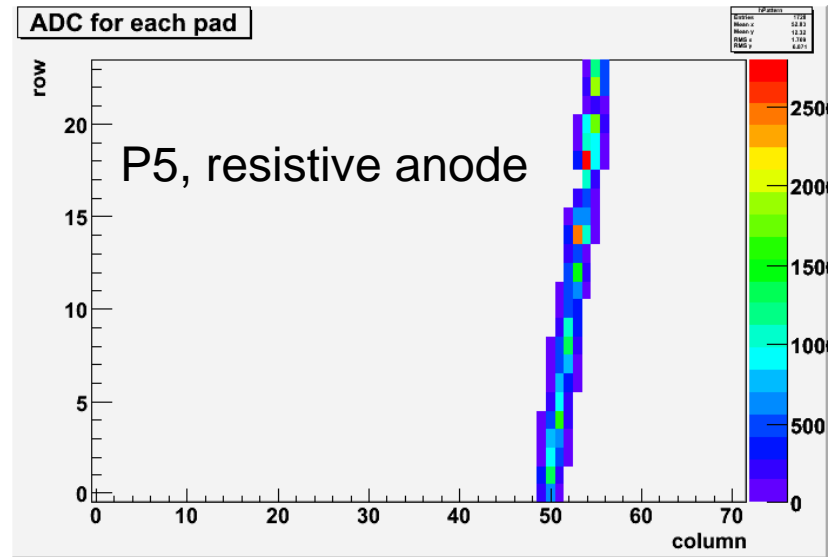
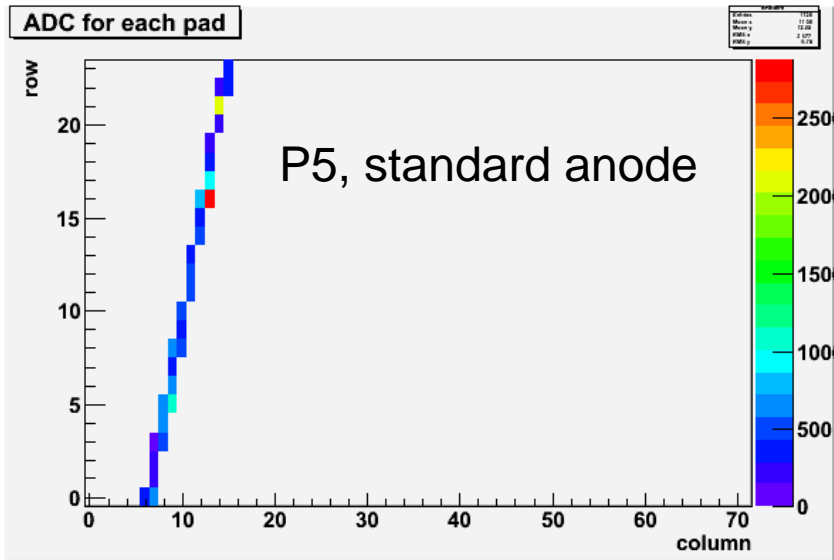


One with standard pads, one with resistive anode (Carbon-loaded kapton)

# Two more panels under construction

One with screen printing resistive anode

One with deposited layer : first step in progress, small 12-14 cm anode to fit in the small oven, easier to operate. Then test in gas. If OK make a large surface PCB in the large oven. (N. Wyrsh, Neuchatel)



Data taken at 50 and 100 MHz, with shaping times of 200ns, 400ns, 1 and 2  $\mu$ s



# plans



- Beam data taking was foreseen to start Monday Nov. 10  
(Paul, Marc, David, Yun-Ha, and Stephen here for this)
- Gas ordered : 6 bottles T2K gas at 40 bars, gas test in progress. Bubbler available.
- HV: work at 200 V/cm : 400 V on the ring at  $z=0$ , 12 kV at  $z=60\text{cm}$
- Reasons for delay: magnet not ready (one valve missing) and HV cable for the guard ring not ready. Maybe shortage of LHe for the magnet.
- Mount cathode
- Mount detector in the middle
- flush with gas, check with cosmics
- Start beam
- Excite magnet