The Drift Chamber with a New Type of Straws for Operation in Vacuum

**Beam**

**Primary SPS Beam:** 400 GeV/c protons
3x10^{12} protons/pulse
4.8/16.8 s duty cycle

**Secondary Beam:** ~6% K^+ p in GeV/c (Δp<1%) beam acceptance: 12.7 msr
total rate: 750 MHz
4.5x10^{11} K^+ decays/year

**Straw design, production and test**

Over 8000 straws have been produced (more than 20 km of ultrasonic welded tubes).

- **RO electronics and data flow**
- **PC-farm**
- **MPOD LV & HV power supply**

**First Results**

- Kaon selected in time with CHOD and Spectrometer track + geometrical acceptance;
- Vertex in fiducial region;
- 15 < p < 35 GeV/c.

**Resolution of the π^{0} peak :**

3x10^-3 GeV^{2}/c^{4} in MC