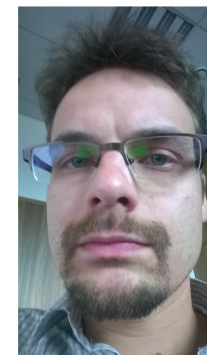
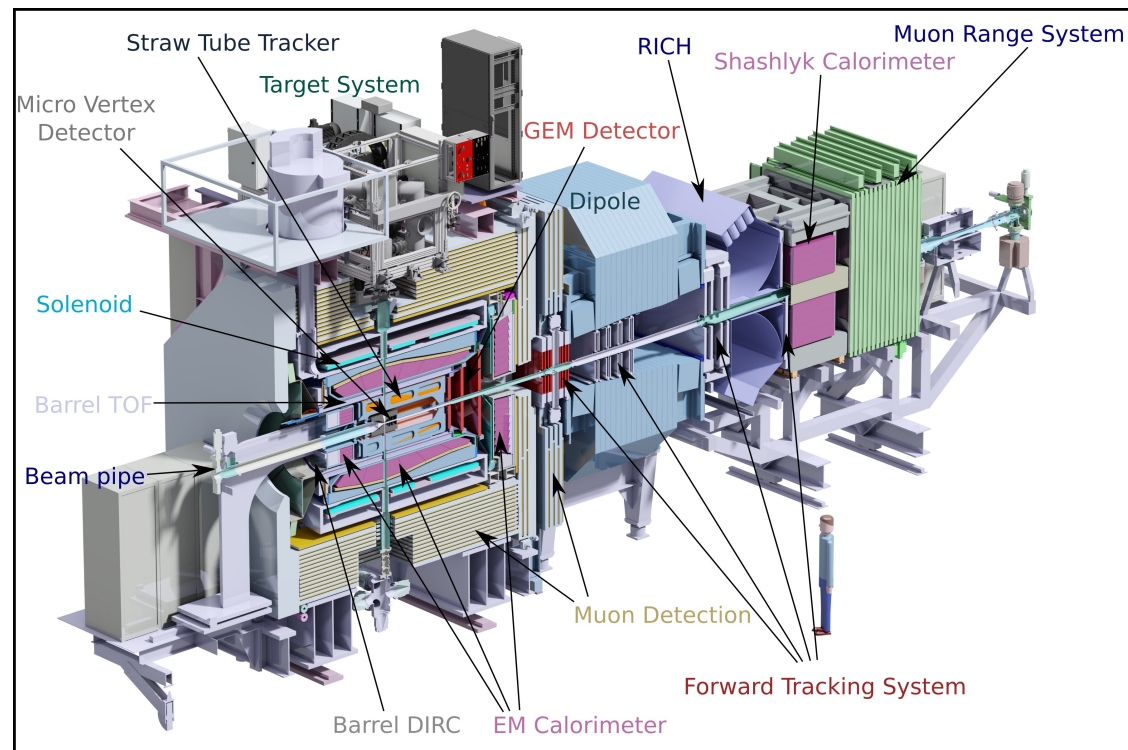


PANDA Straw Tube Detectors and Readout



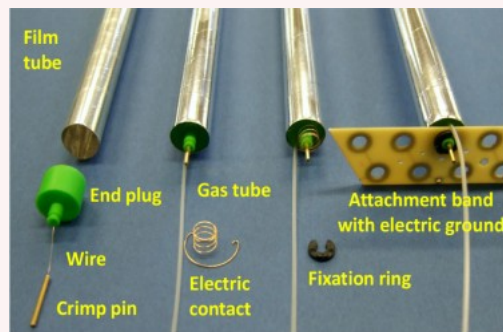
Paweł Strzempek
For the PANDA Collaboration
(pawel.strzempek@uj.edu.pl)

PANDA = Antiproton annihilation at Darmstadt
fixed target experiment for studies of \bar{p} -p and
 \bar{p} -A collisions in momentum range 1.5-15 GeV/c

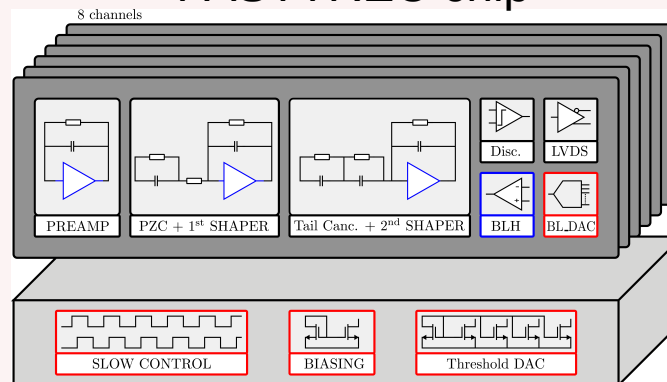
The poster presents read-out electronics for Central Tracking System (ST) and Forward Tracking System (FT) of the PANDA experiment.

PANDA Straw Tube Detectors and Readout

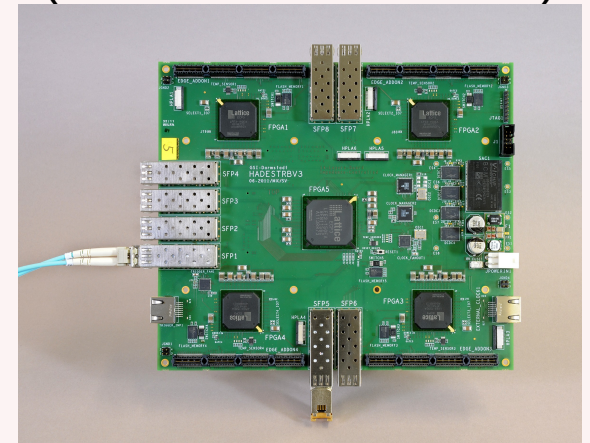
Detector build from straw tubes



Front end electronics based on PASTTREC chip

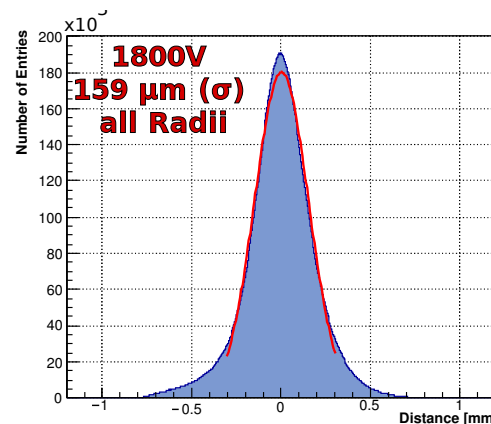
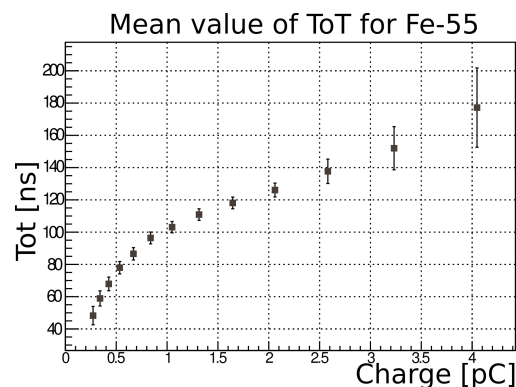


Read out platform TRB3 (with FPGA based TDC)



Results

Time over threshold method for particle identification



Drift time for track finding.
Spatial resolution 159 μm