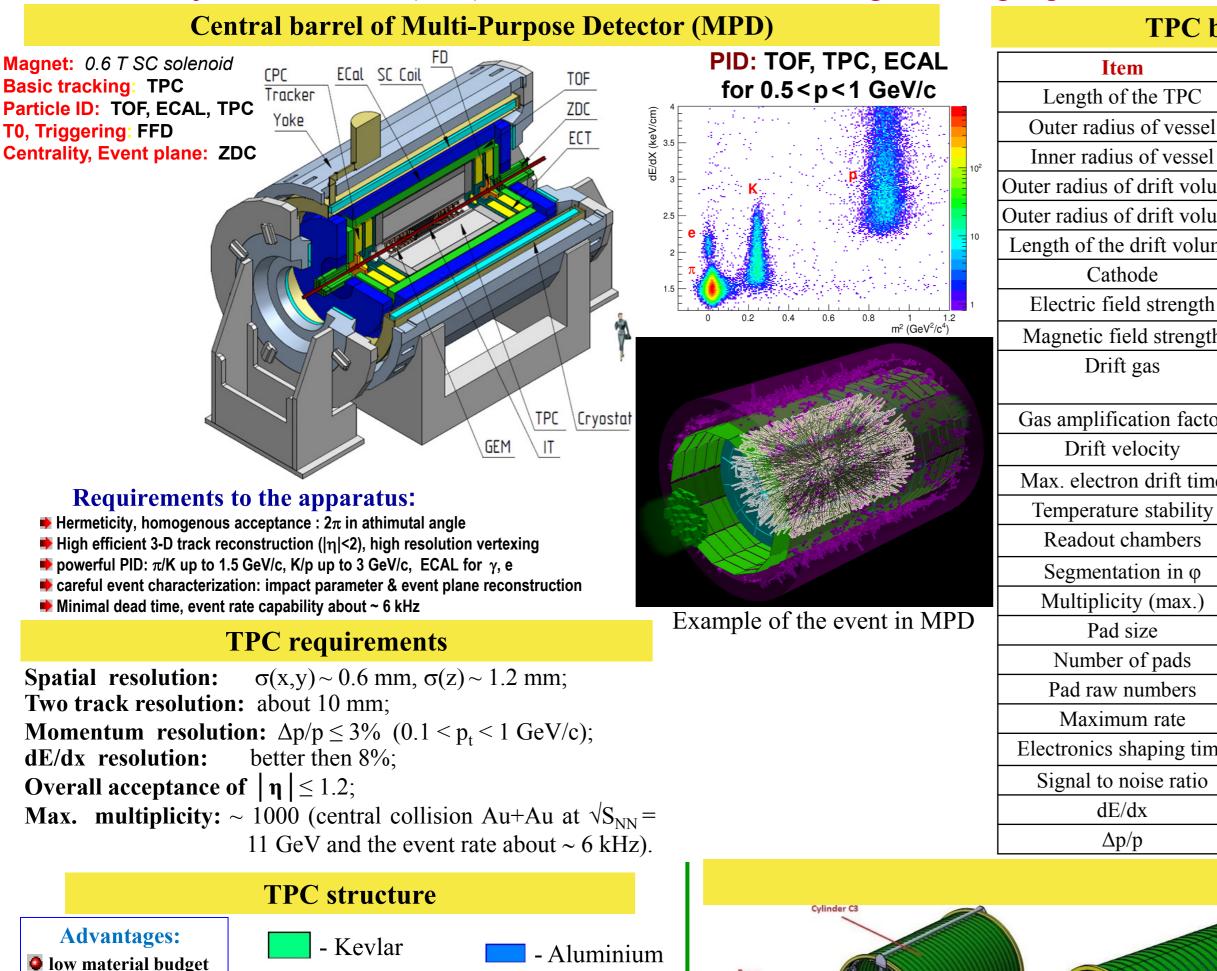
TPC assembly tolling and procedure

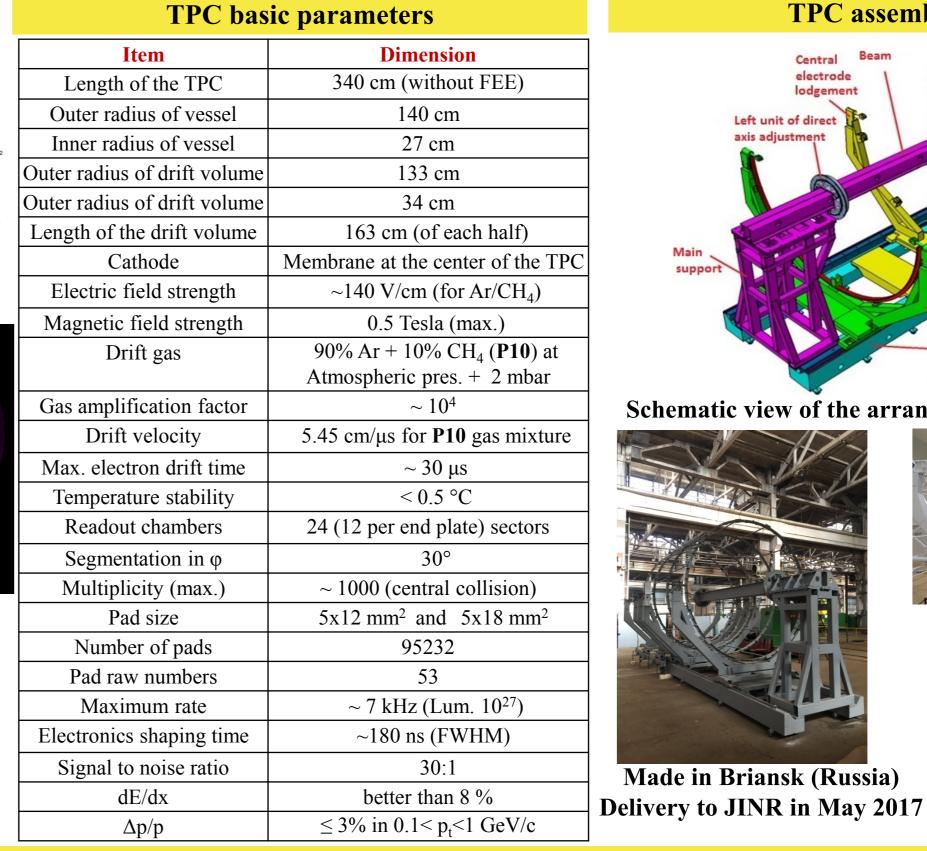
S. Movchan, J. Lukstins, S. Razin, V. Samsonov, V.V. Chepurnov, A. Bazhazhin, V.F. Chepurnov, O. Fateev

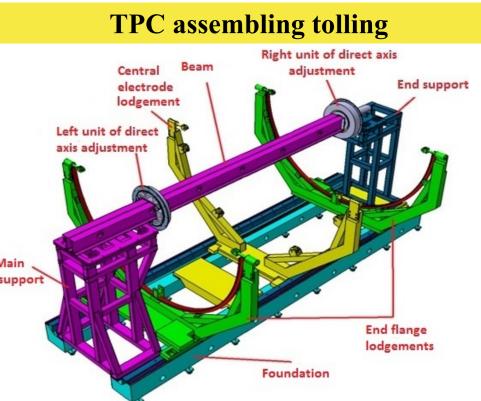
Laboratory of High Energy Physics, Joint Institute for Nuclear Research

The Time-Projection Chamber (TPC) is the main detector for tracking and charged particles identification in the Multi-Purpose Detector (MPD) at the NICA collider experiments.



Rings of





Schematic view of the arrangement for TPC assembly

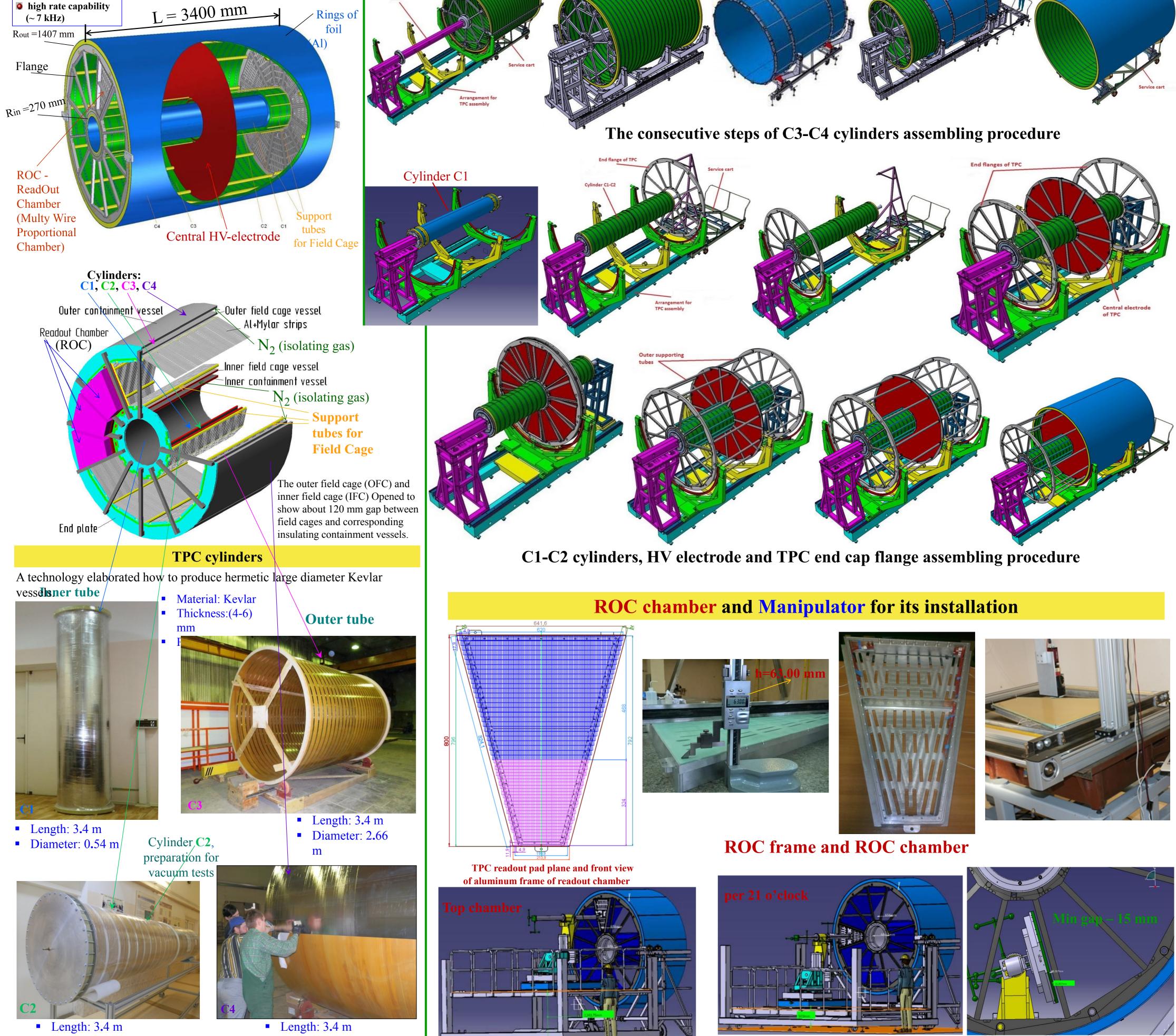






Tooling for TPC assembling in to clean room

Procedure of TPC assembly



high rate capability

(~7 kHz)

- Diameter: 0.676 m
- Diameter: 2.814 m

Manipulator for ROC chamber installation