Summary of the NA61/SHINE Pb+Pb data taking

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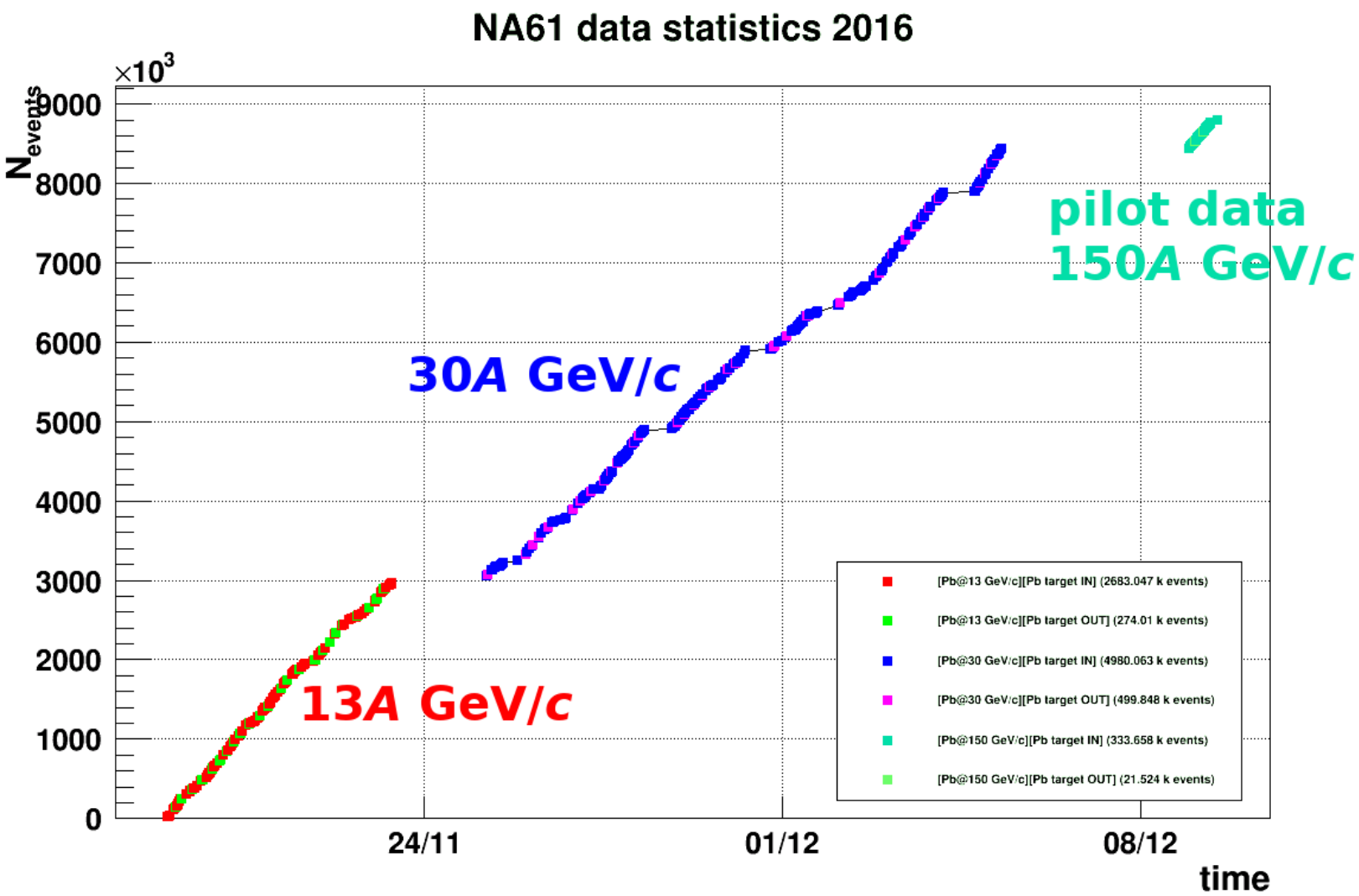
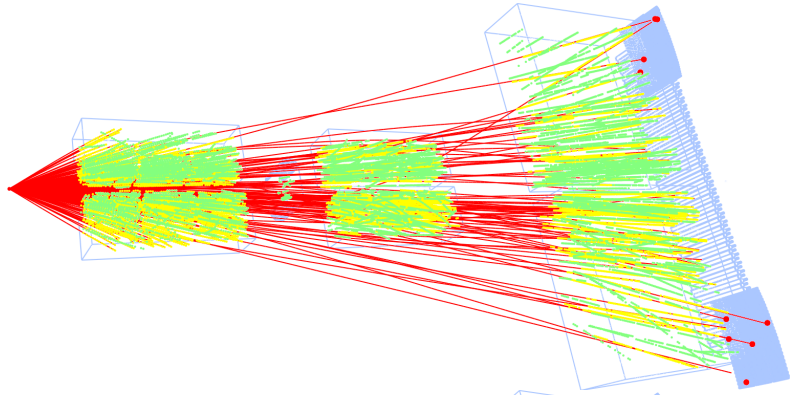
PS/SPS Users Meeting, Dec 9, 2016



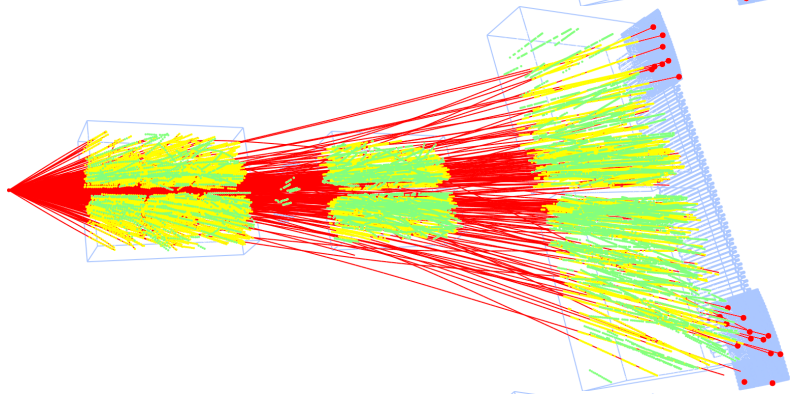
- Physics data taking of Pb+Pb collisions at 13A and 30A GeV/c with central and minimum bias triggers
- Pilot data taking of Pb+Pb collisions at 150A GeV/c for open charm measurements

Central Pb+Pb collisions at NA61/SHINE

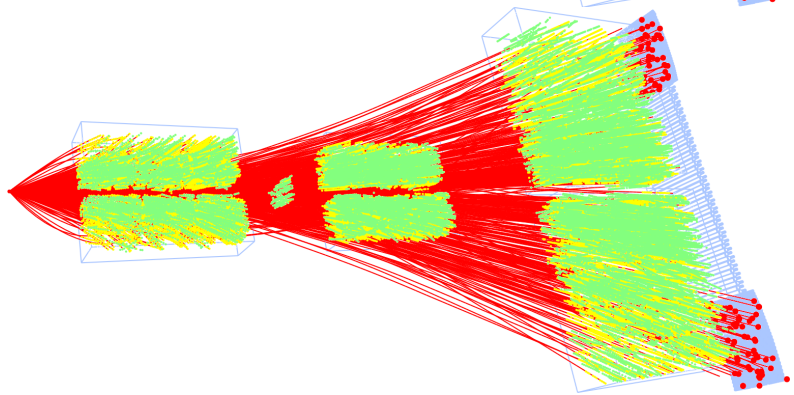
13A GeV/c



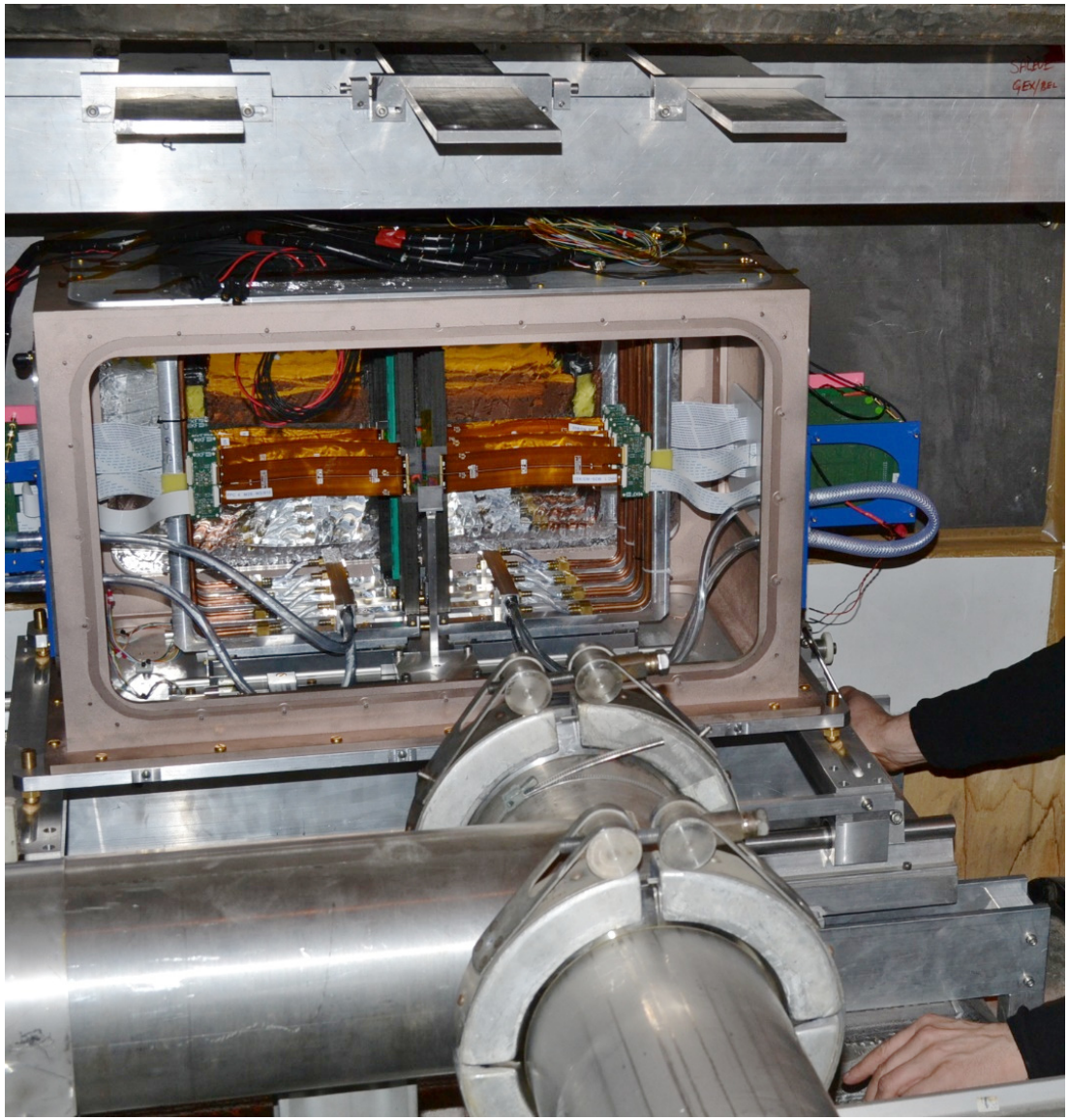
30A GeV/c



150A GeV/c

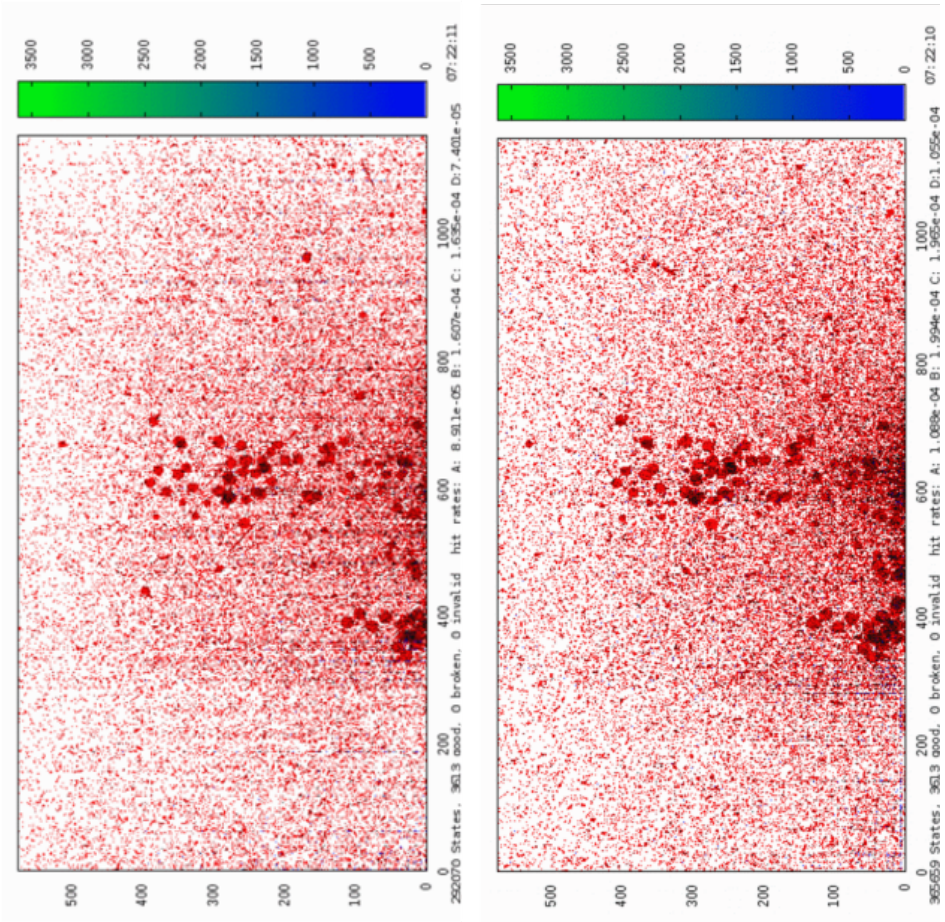


Vertex Detector test at NA61/SHINE



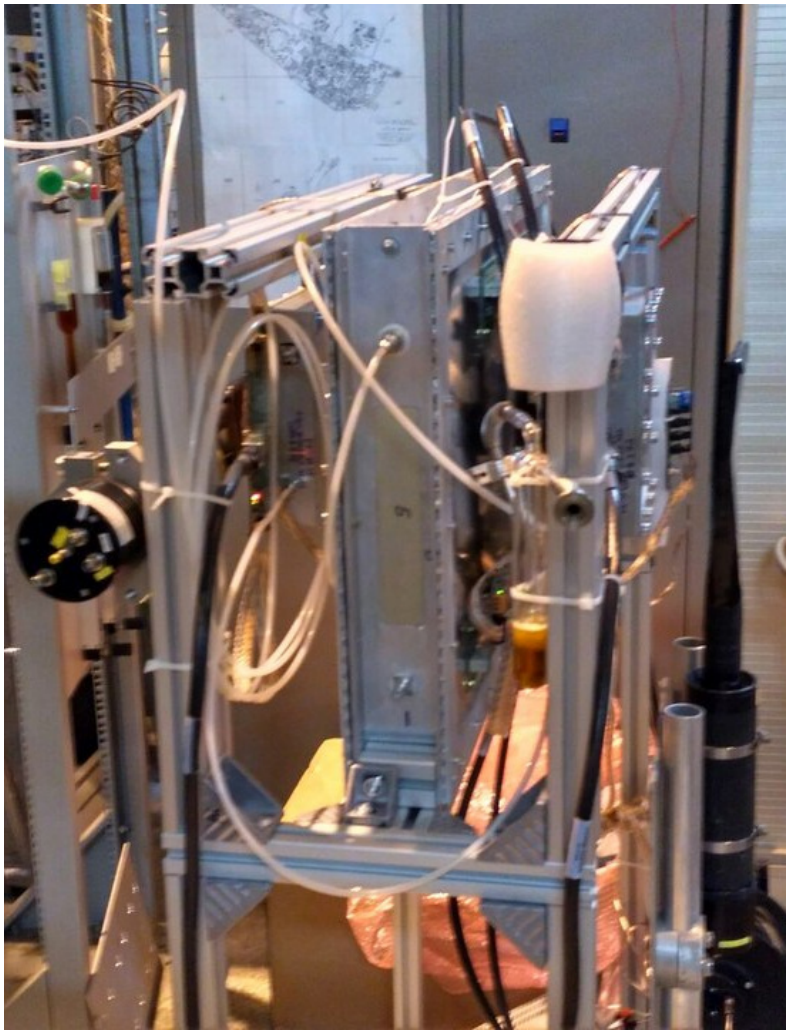
- Prototype tested in July
- Complete Vertex Detector with both arms equipped wit Mimosa26 sensors installed in the beam and integrated in the data acquisition
- Complete stave with 9 ALPIDE sensors installed for test of ALICE ITS upgrade

First measurements from the Vertex Detector



- Signals from the first 2 sensors show the Pb ion beam and produced particles
- Analysis of the July test run shows the cluster position resolution is of 3–5μm

Test of mRPC



- Test of multigap RPC detector as a possible solution for the NA61/SHINE ToF upgrade after 2020
- Preliminary analysis yields time resolution of 50 ps

We would like to thank
the CERN PH, BE and EN Departments
for the strong support of NA61/SHINE