

## NA64 status and plans



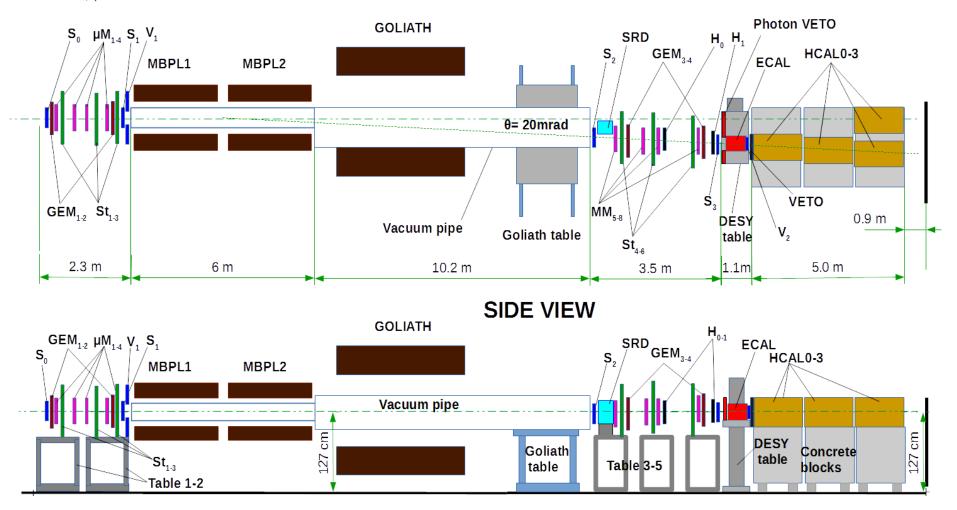
Vladimir Poliakov Institute for High Energy Physics, Protvino, Russia



## NA64 setup, invisible mode



#### **TOP VIEW**

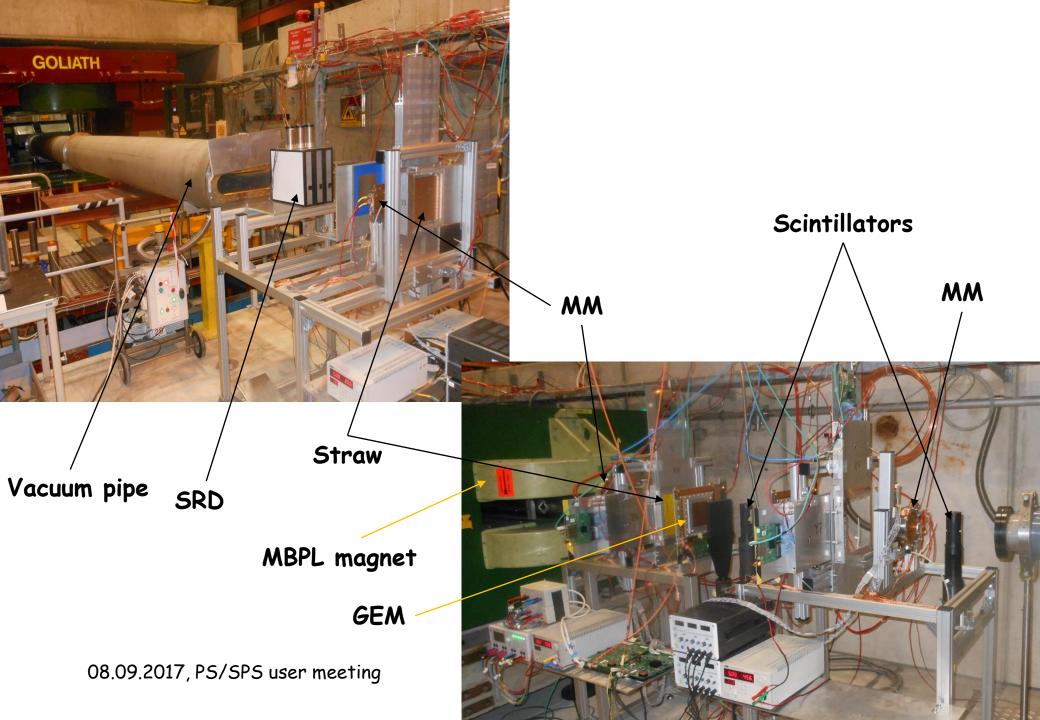


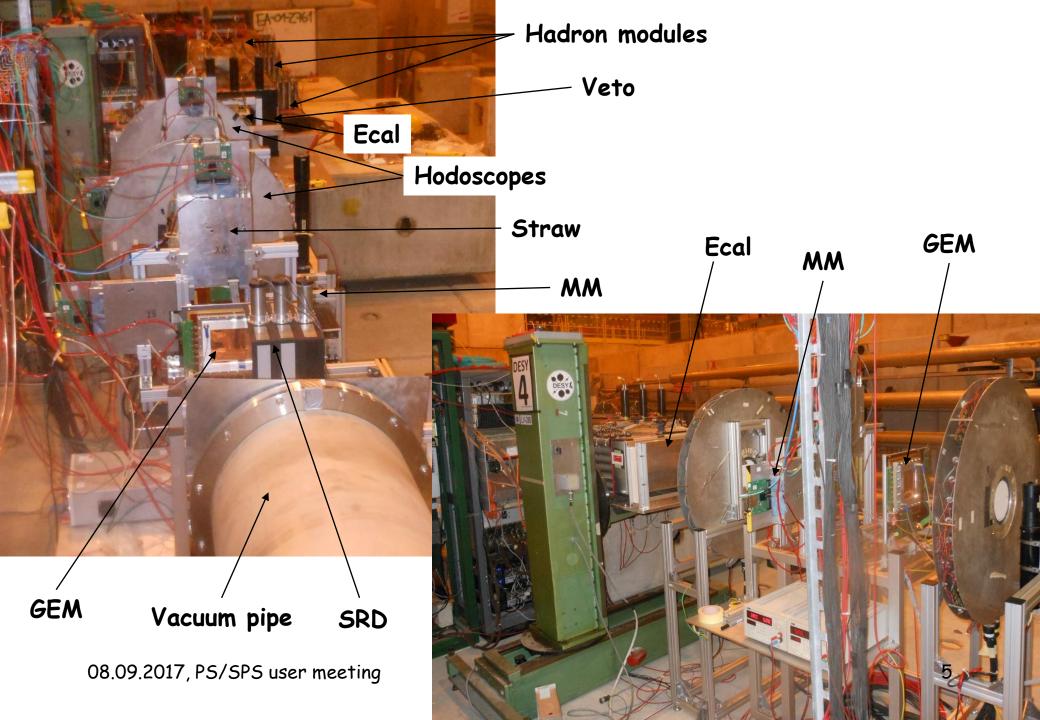


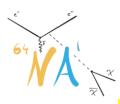
## That was done from Thursday, 31 August



- Installation of our setup started on Wednesday morning and finished at 17:00;
- All detectors, support tables, MBPL magnets, concrete blocks, electronics and gas racks were put on the place;
- > Installation of calbes and gas lines, commissioning of detectors and DAQ;
- > 31 August 15:30 SAFETY VISIT;
- > Start work with beam from Thursday night;
- Friday afternoon start calibration of detectors with electron beam;
- > Em-calorimeter and all hadron modules were calibrated until Monday evening;
- > Tracking detectors also were set up;
- High intensity electron beam was tested, intensity 11x106 was achieved;
  Thanks a lot Nikolaos Charitonidis!
- Vacuum pipe with 60cm diameter was installed at Tuesday afternoon;
  Thanks a lot a crane drivers and others people, who help us.
  Special thanks Michael Jeckel!



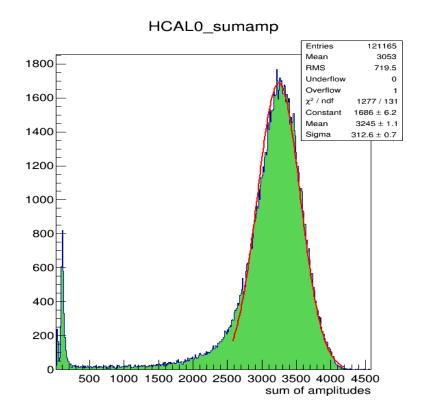


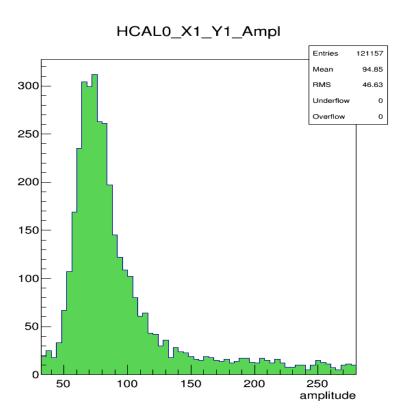


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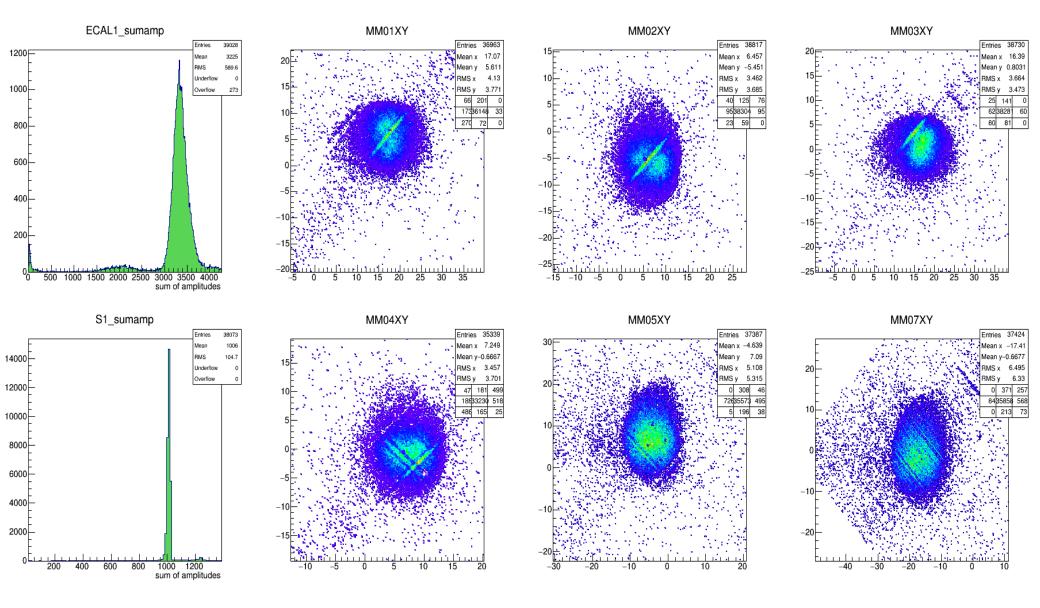


- > Tuesday evening magnets ON, the start work with deflected beam;
- > Wednesday alignment all detectors along deflected beam;
- > Calibration SRD, commissioning of all tracking detectors;
- Setting up trigger;





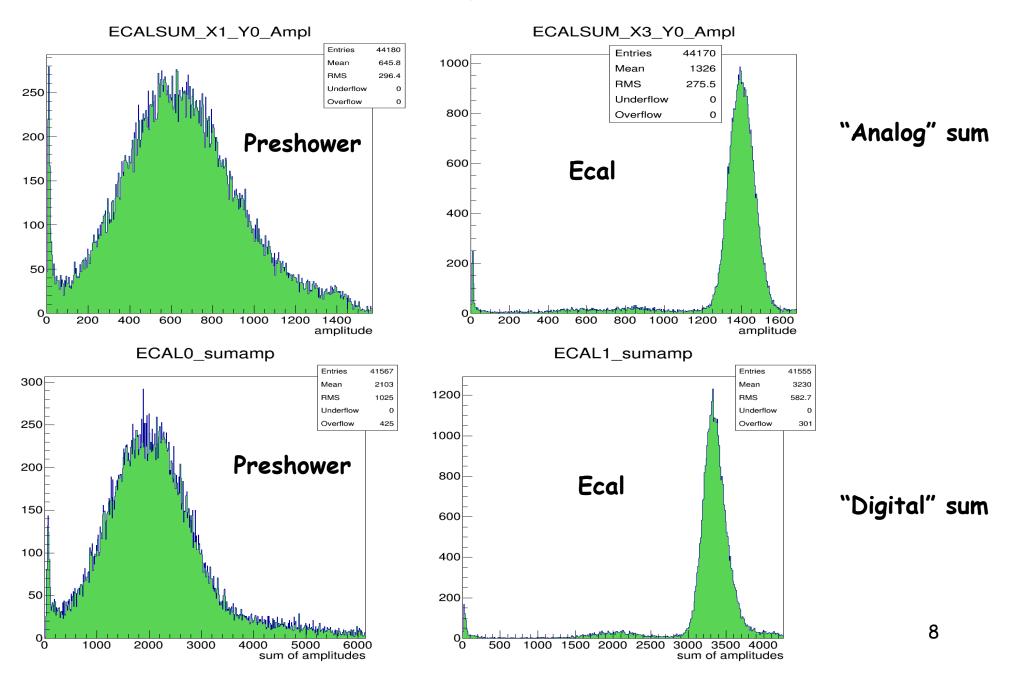
### Beam profiles, 100GeV electron beam, deflected beam



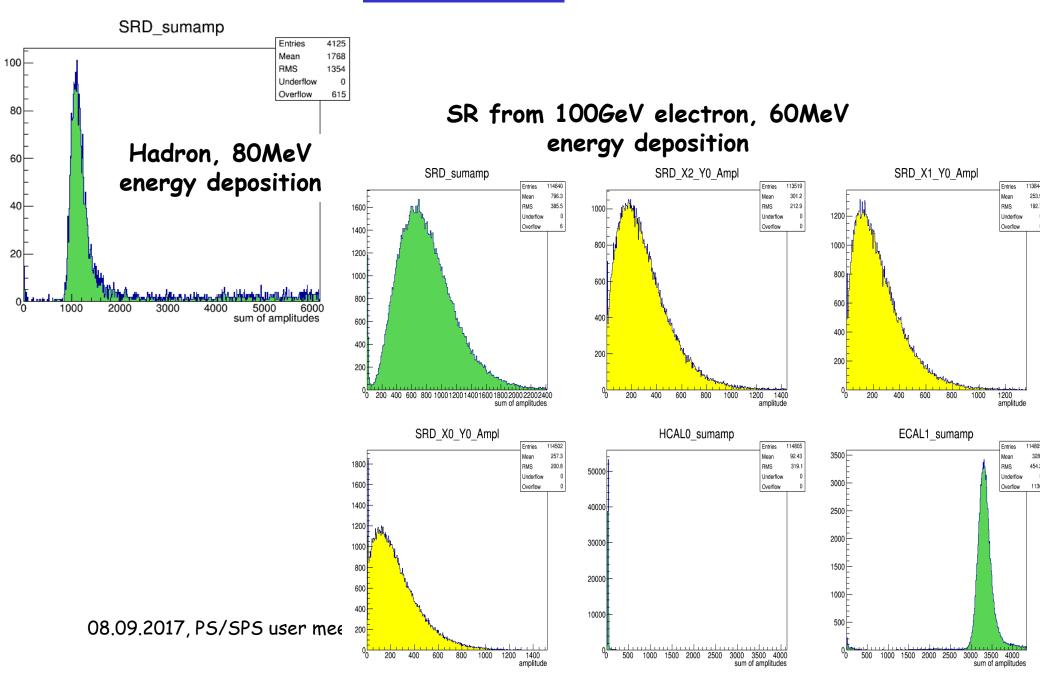
08.09.2017, PS/SPS user meeting

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#### EM-calorimeter calibration, 100GeV electron beam



### **SRD** calibration





### Plans, invisible mode



- > Continue data taking with intensity  $\sim 3 \times 10^6$ , accumulate  $\sim 2 \times 10^{10}$  electrons, check background level;
- > Accumulate  $\sim 5 \times 10^{10}$  electrons with  $\sim 4 \div 5 \times 10^6$  intensity;
- > Accumulate  $\sim 2 \times 10^{10}$  electrons with  $\sim 7 \times 10^6$  intensity;