

# NA64 status and plans

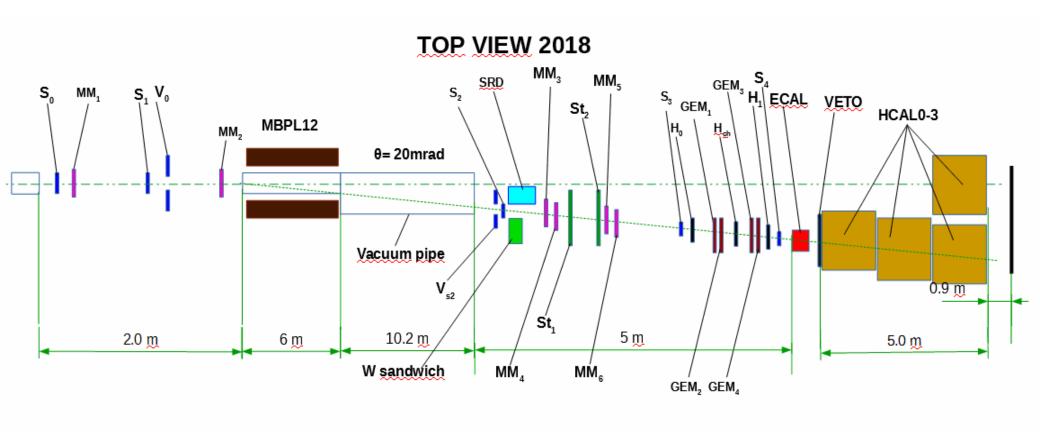


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## NA64 setup, invisible mode







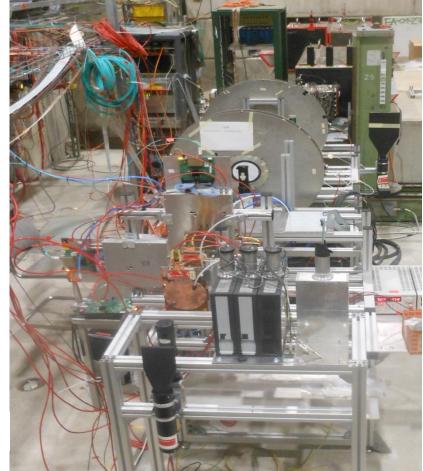
# Status and problems



- > 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;

> Delay with commissioning of detectors and DAQ;





Thanks a lot Michael Jeckel!

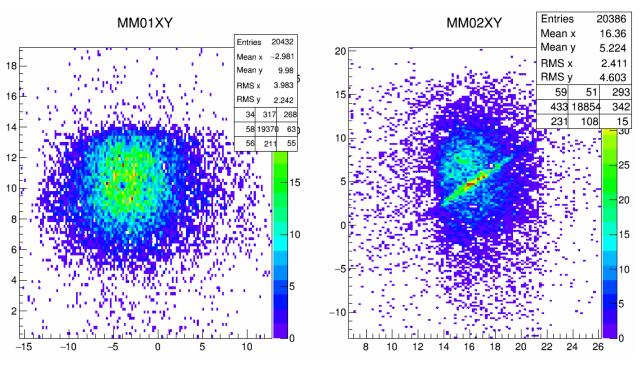


# Status and problems



- > Friday 11 May 10:00 SAFETY VISIT;
- Friday afternoon Nicos started tuning of the electron beam. With ~15 units on T2 was achieved intensity 5E6 electrons/spill, all collimators were fully opening;

#### Thanks a lot Nikolaos, Bastien!



# Beam tuning with last quadrupoles, trims and collimators:

Beam size upstream of MBPL:  $\sigma_x = 2.5$ mm;  $\sigma_y = 4$ mm; Intensity -  $2x10^6$  Hallo - 0.6% Coincidence  $S_0 + S_1 - V_0 = 95\%$ 

Hadrons and muons less then 1%

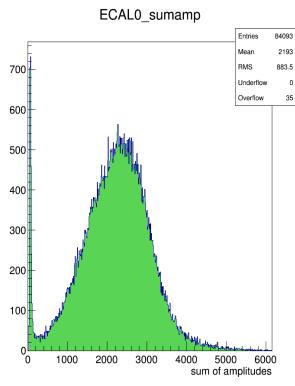
Intensity on T2 target 20-25 units

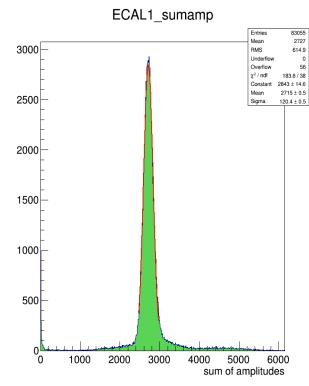


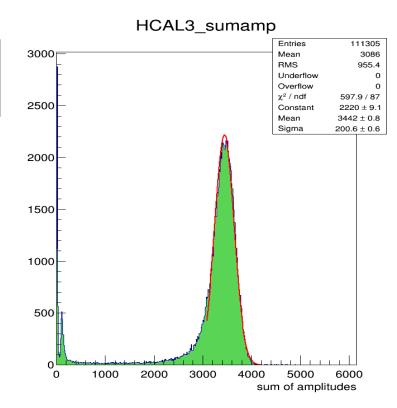
### Calibration



#### > Hadron and em-calorimeter calibration;









## Status and problems



- Em-calorimeter and 2 hadron modules were calibrated until Monday;
- Em-calorimeter was not calibrated with high intensity, due to change wobbling at Monday morning and very low intensity of electron beam;
- > We are used a hadron beam for calibration of hadron modules and tracking detectors.
- > 3 hadron modules are ready. The last hadron module should be calibrated now.
- > Status of tracking detectors:
  - All 6 Straw detectors are ready;
  - 6 out of 8 MM stations are ready;
  - > 4 GEM stations are ready;
  - Hodoscopes is in progress;



### Plans, invisible mode



### Our requests:

- > intensity on T2 target 40-50 units from today afternoon;
- wobbling for pure high intensity electron beam from today afternoon;

### > Nearest plan:

- installation of vacuum pipe;
- alignment of all detectors along deflected beam;
- beam tuning, setting up trigger;
- calibration em-calorimeter with high intensity electron beam;
- calibration SRD;
- > Data taking with intensity  $\sim 5 \times 10^6$ , accumulate  $\sim 2 \times 10^{11}$  electrons;