

NA64e status



Vladimir Poliakov

Institute for High Energy Physics, Protvino, Russia

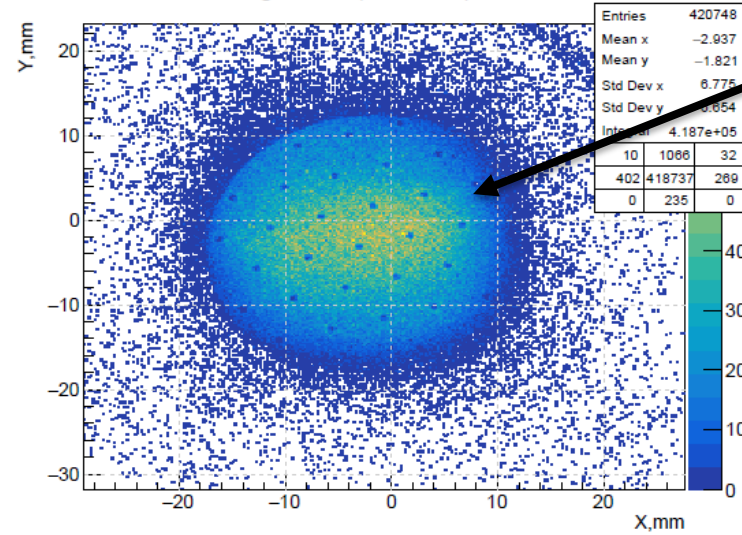
17 May all beam instrumentation was removed from beam line. The beam parameters was significant improvement.

- 1. The beam halo is 3% with intensity 7×10^6 electrons per spill, two times better than in 2022.**
- 2. Beam size:**
 - **upstream of MBPL: $s_x = 6.5$ mm; $s_y = 6.5$ mm**
 - **downstream of MBPL: $s_x = 6.5$ mm; $s_y = 6.5$ mm;**
- 3. Hadrons and muons contamination in electron beam $\sim 0.3\%$;**

Thanks a lot BE-EA group and especially vacuum team, Sylvain, Michael and Nikos!

Beam quality

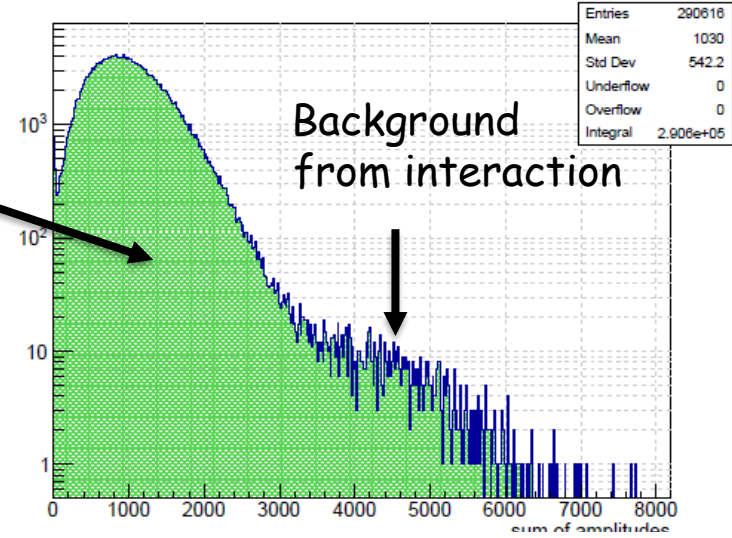
Micromega1 eff (Nhit > 0) : 0.852932



Upstream beam profile

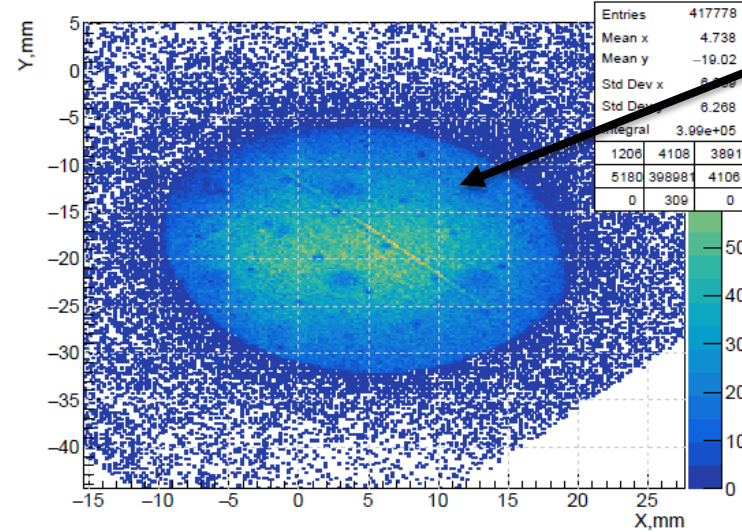
SR spectrum

SRD_sumamp



Background from interaction

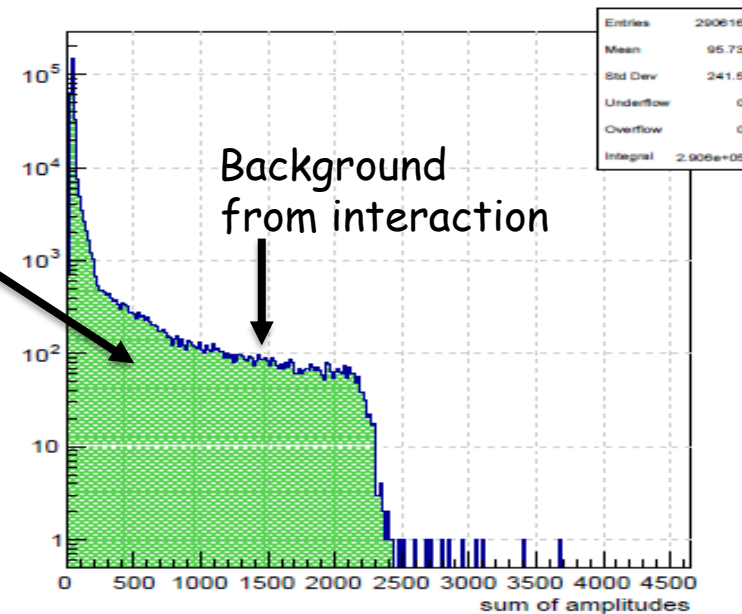
Micromega3 eff (Nhit > 0) : 0.812399



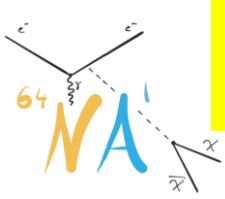
Downstream beam profile

Zero degree calorimeter spectrum

HCAL3_sumamp



Background from interaction



NA64e status



- **Week from 17 - 24 May:**
 - Final beam tuning and trigger - done;
 - Alignment runs with 100 GeV hadron - done;
 - Calibration of all detectors - done;

- Data taking started on Sunday