FNC status

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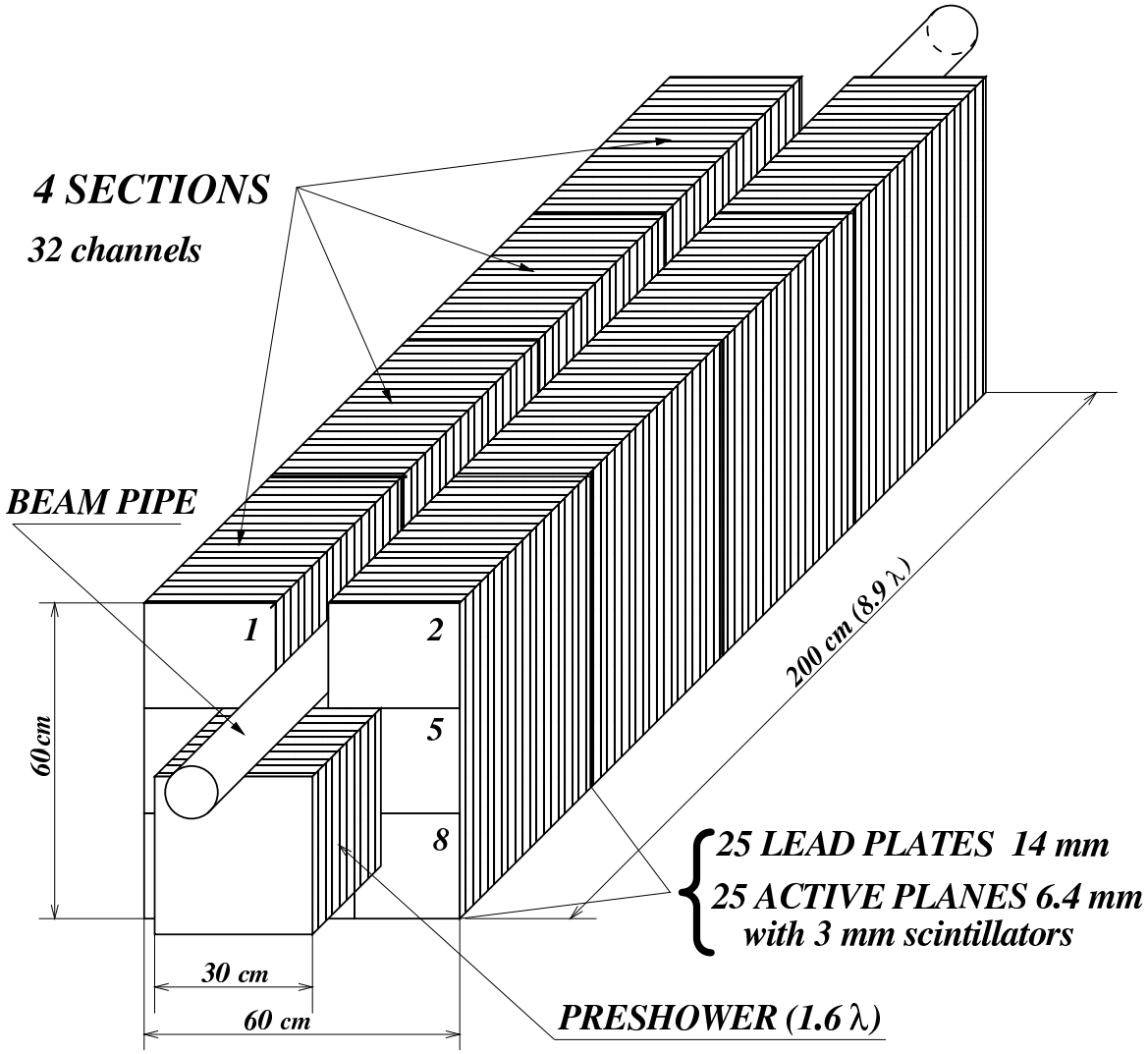
- Electronics
- Software
- Conclusions



Detector

The FNC detector is in operational state. Monitoring (using LED light pulses) system is also running.

Electronics

1. **FADC broken in December have been repaired by manufacturer (SIS Gmbh).**
2. **FASTBUS module broken during last big power glitch in November have been replaced by another one.**
3. **The new FADC clock generator is proved to be stable.**
4. **Prototype of monitoring electronics module (which can replace existing system assembled in three crates) is working. After tests in real conditions (e.p. collisions) we plane to switch to this module.**
5. **A few instable HV channels have been found. Corresponding HV cables are moved to the spare channels.**
6. **Study of photomultipliers linearity is under way. Measurements are currently carried out in ITEP in special experimental setup.**

Software

1. The FADCs readout program running on VME DSP-processor is changed to compress data. Measurements of 40 samples in duration are packed into 20 words.
2. HV-control created in H1DCM environment is fully operational in local mode.
3. Complete data path: FADC $\longrightarrow$ Branch 10 $\longrightarrow$ CDAQ $\longrightarrow$ RAWD tapes have been tested.
4. Reconstruction for 2002-200x data is ready and tested on beam gas data, collected in December.
5. L4 "variable calculator: R_FNC_ESUM, e.t.c." is updated for the new reconstruction output banks.
6. FNC simulation is ready, the reconstruction is also made to be able to read MC data.
7. Event display and online histograms still to be done.

Conclusions

The FNC is, in general, ready for datataking, but more tests and adjustments (timing) should be done when stable proton beam is available.

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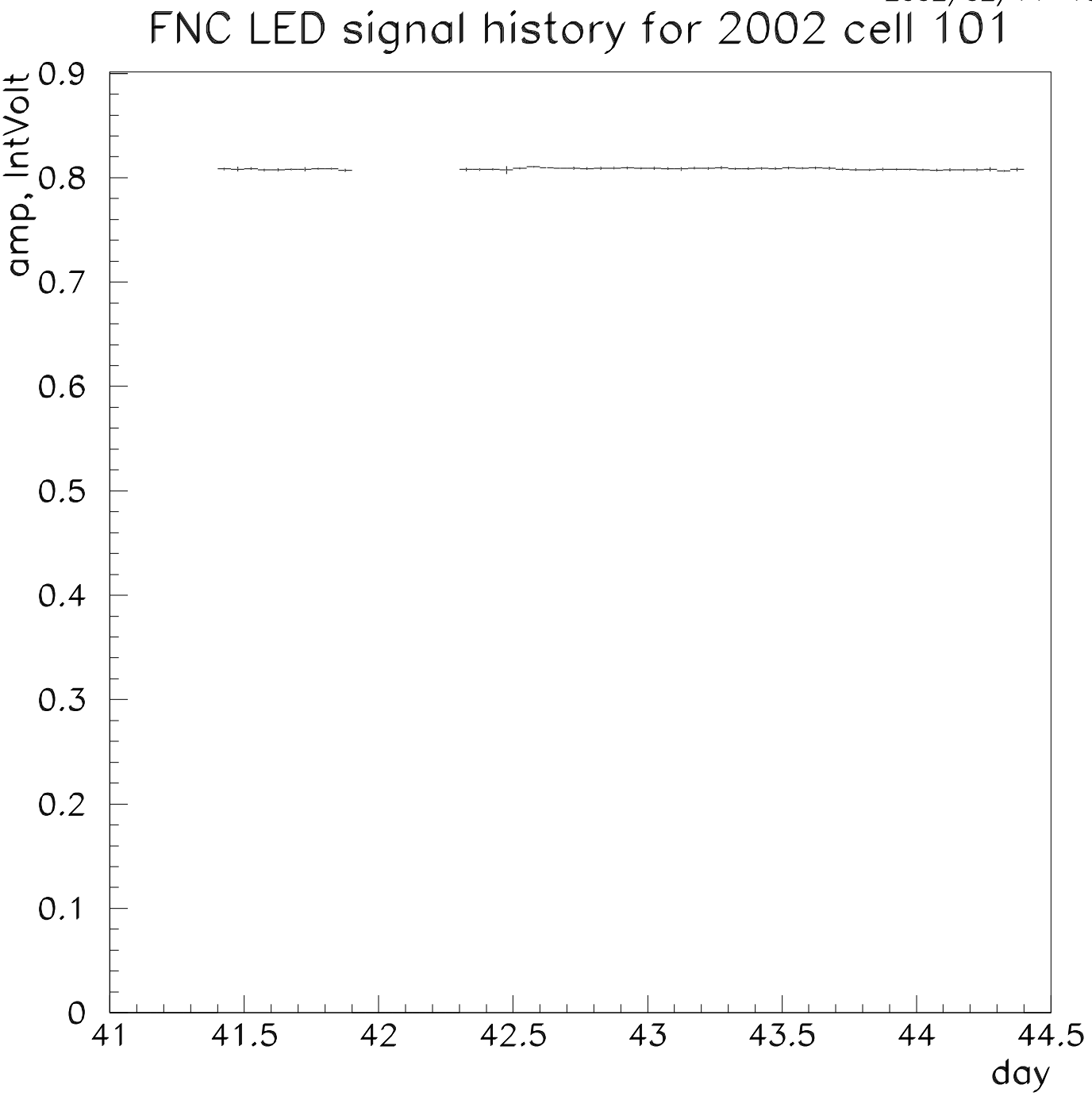

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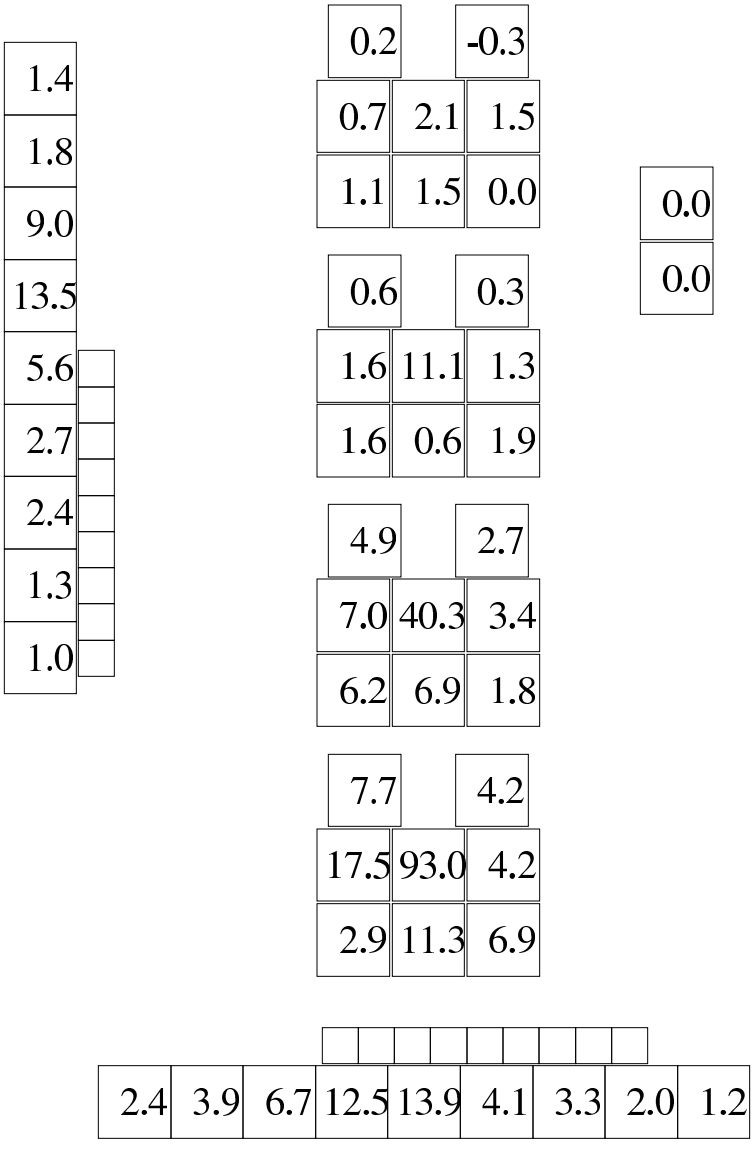

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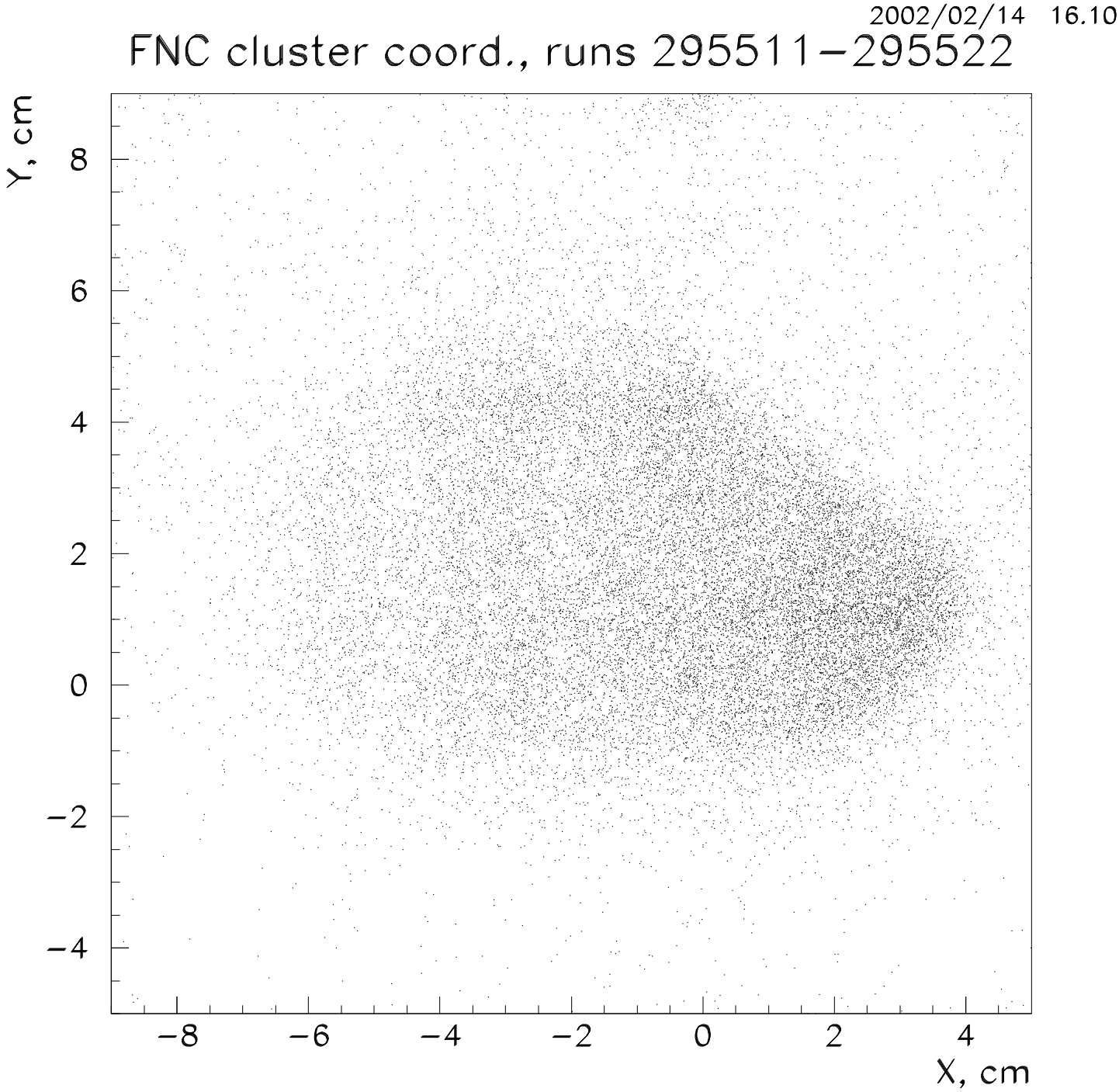

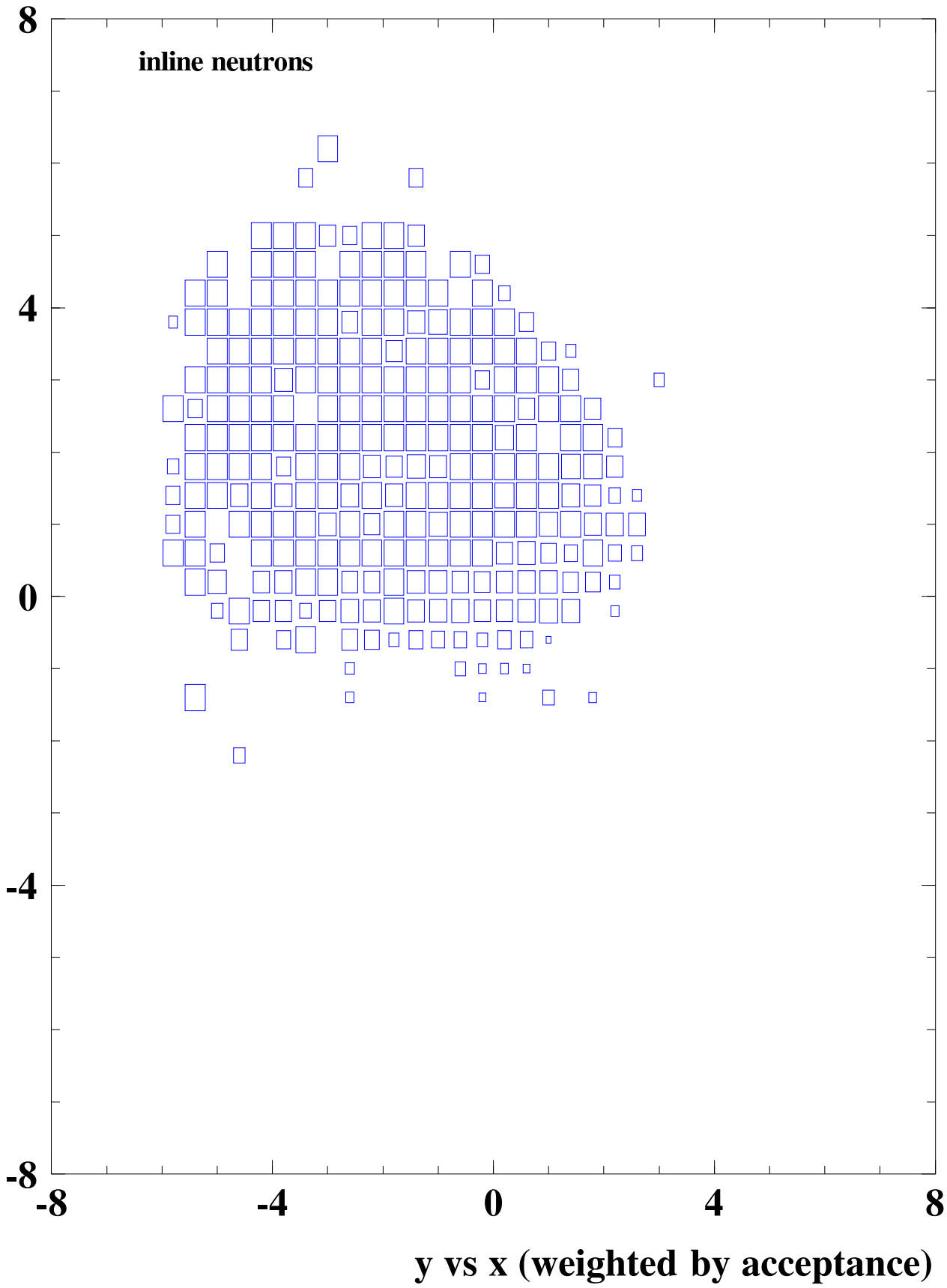
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