Status of Mainz-Simulations

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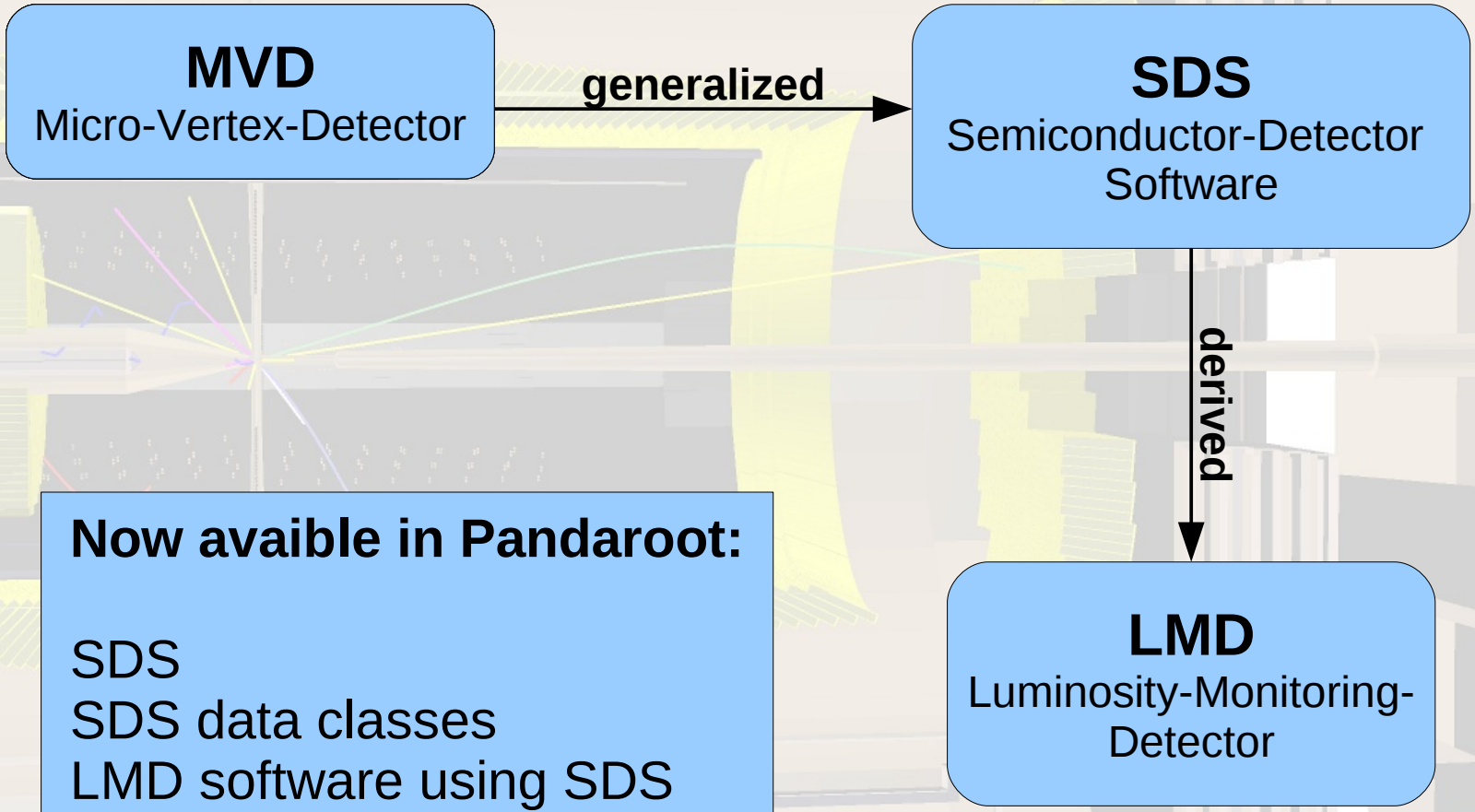
Topics:

- **generalized software**
- **EvtGen problem**
- **new geometry**

Collaboration Meeting GSI

March 08, 2010

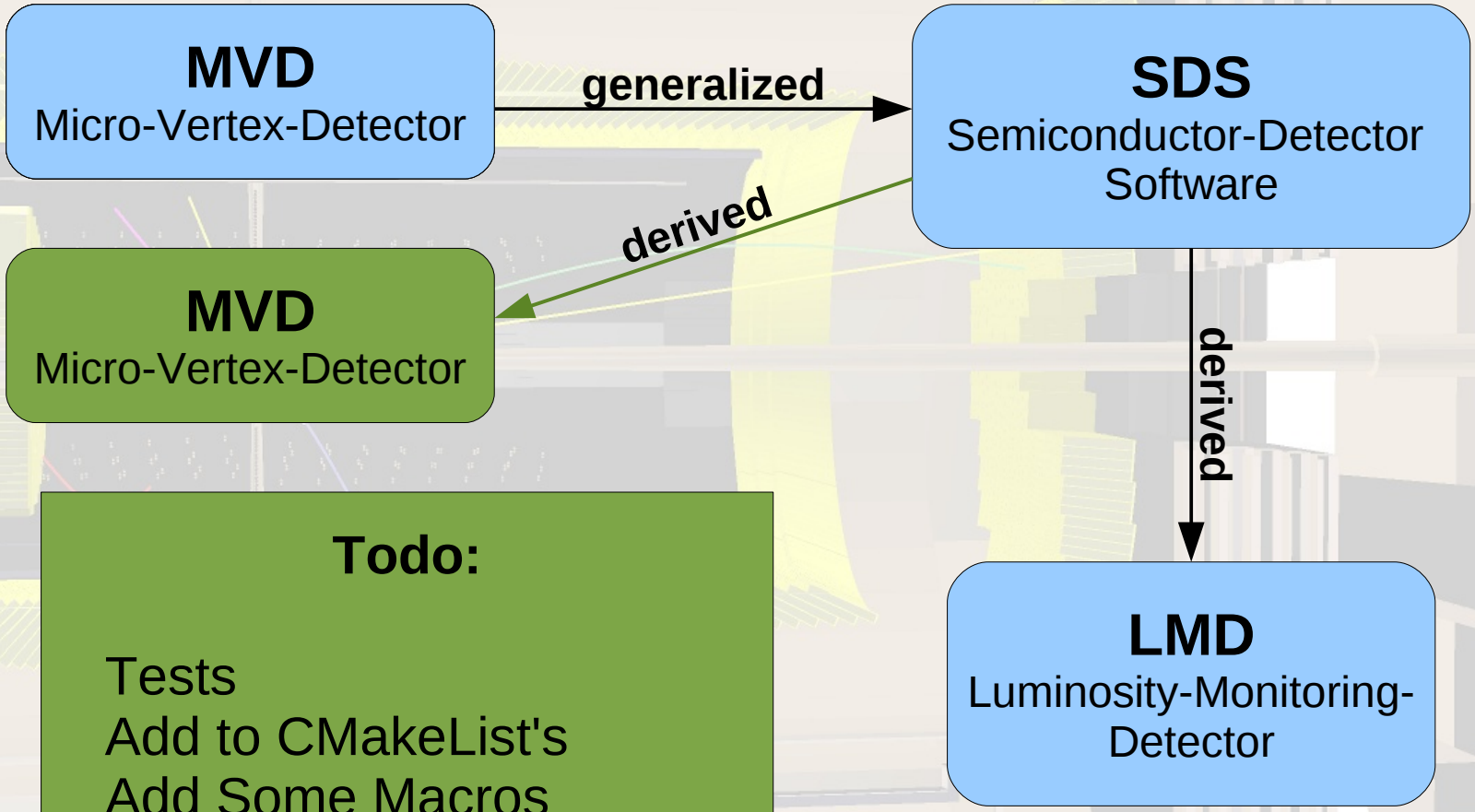
MVD-based LMD



Now avaible in Pandaroot:

SDS
SDS data classes
LMD software using SDS

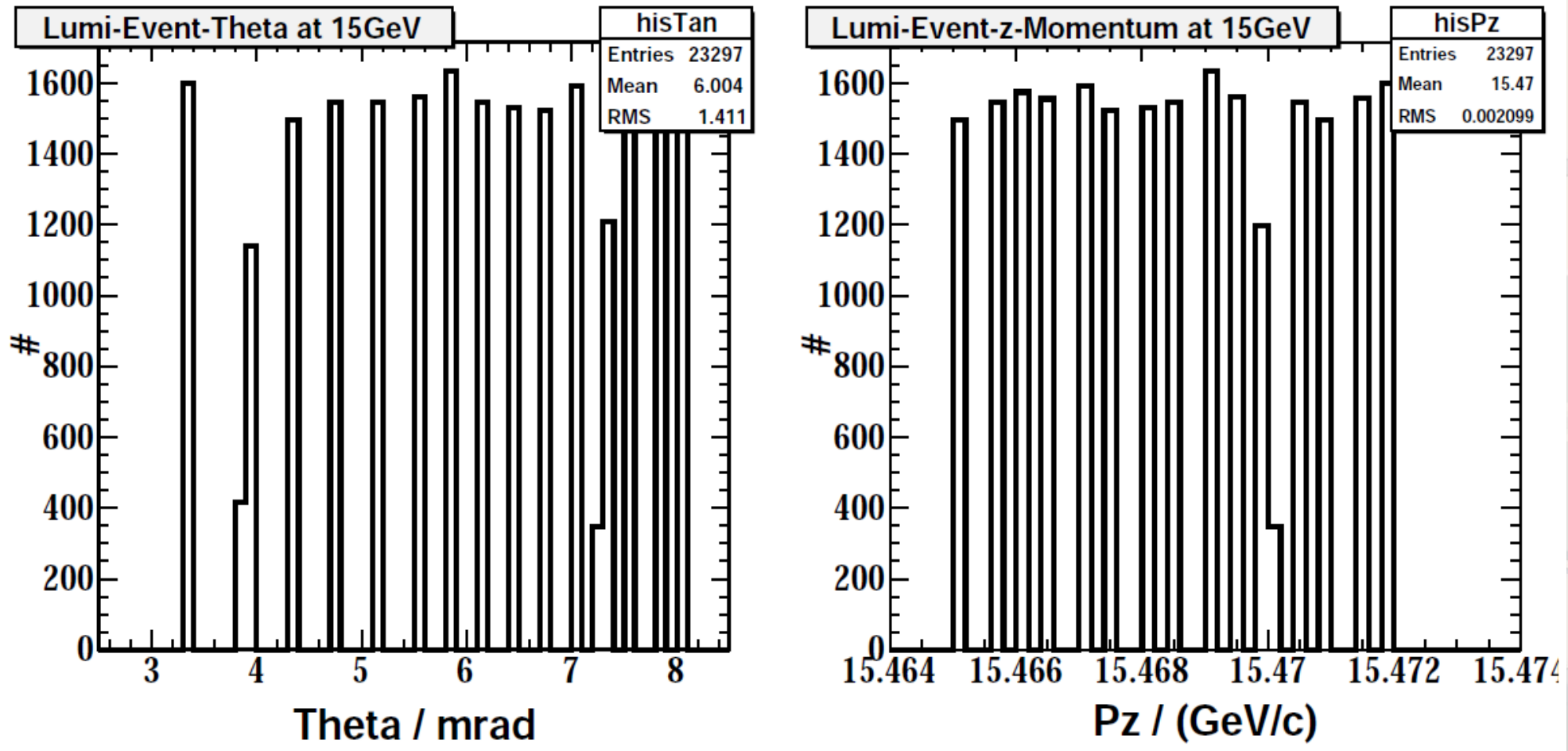
MVD-based LMD



Todo:

Tests
Add to CMakeList's
Add Some Macros
MVD new, using SDS
Figure out a lot of details

EvtGen



z-component of momentum quantized in EvtGen PHSP model !?

Trackfollower-Update

First Step: Sort Hits

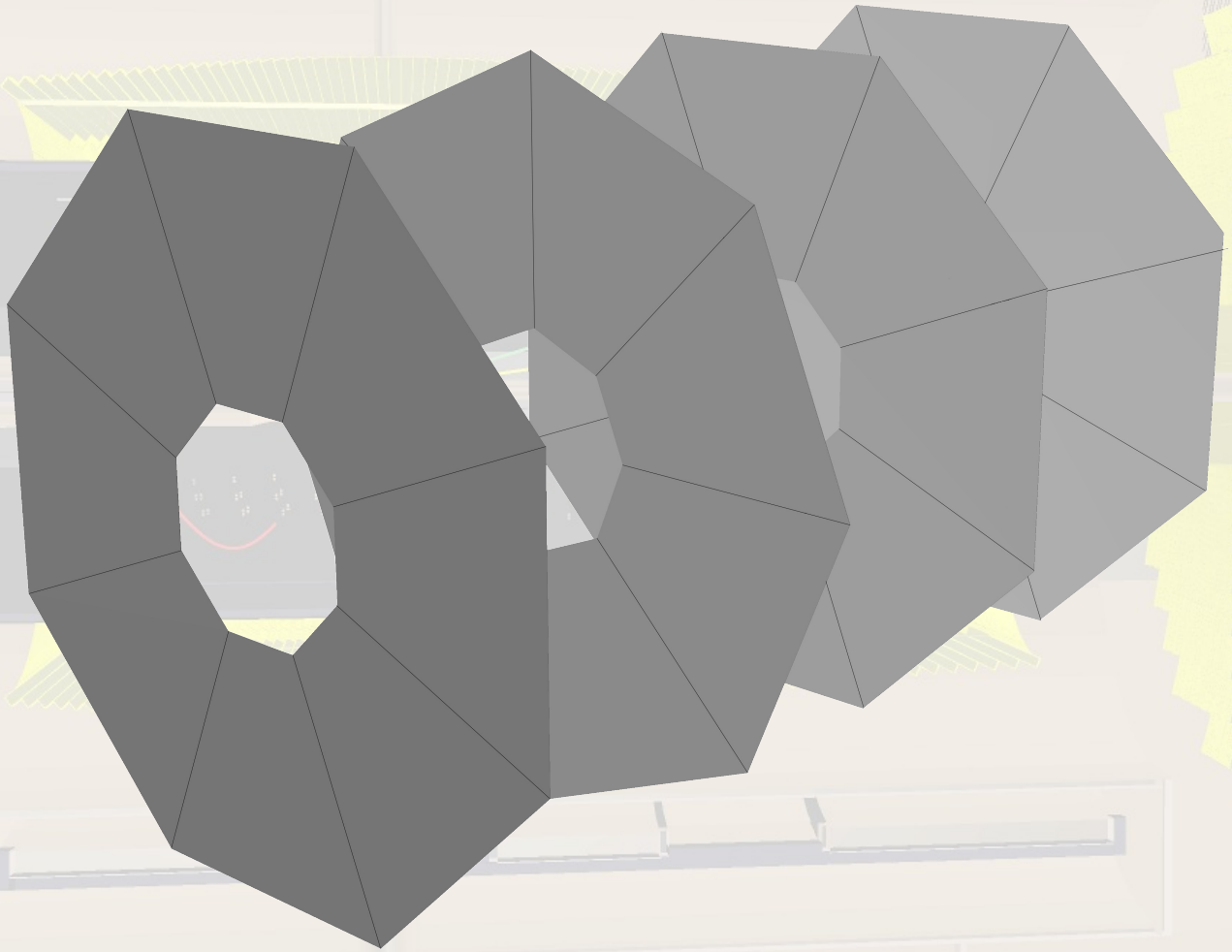
Before: Sort by z-component

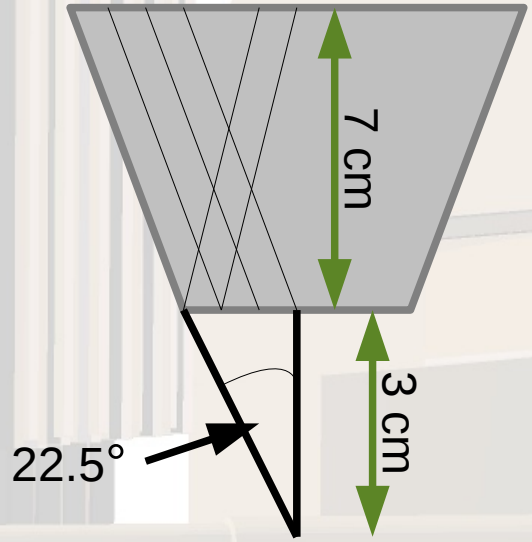
➔ Works just for geometries parallel to the xy-plane

Update: Use detectorname-variable of hits

➔ User has to set number of detectors per plane and number of planes (macro)

New Geometry





- 11 - 11.3 m
- 4x8 Si-Trapez.
- 2.33° rotated at 4.76 m (about 20 cm in x)
- 45° stereoangle
- 50 µm Pitch

Outlook

background-studies with dipole and new geometry

make LMD-software accessible and usable

implement some more things