

PacDisplay update

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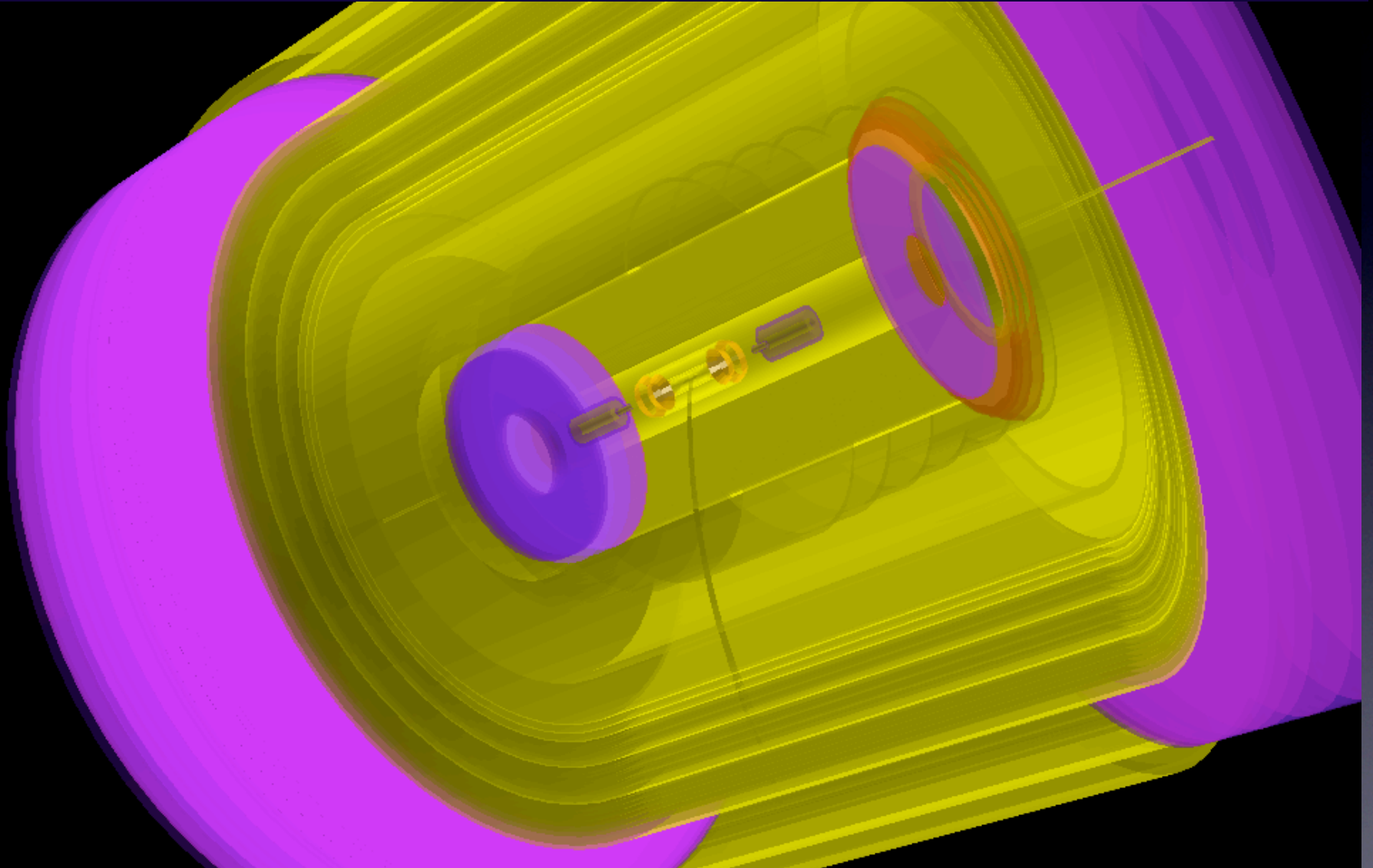
PacDisplay problems

- Broken since V0.1.3
 - schema processing disabled in arch_spec_ROOT.mk
 - PacDisplay links and runs, but output has no tracks, clusters, ...
 - macro compilation failed
 - incorrect include paths
 - missing schema
- Fixed in V0.2.2 Patches_devel
 - will be released in V0.2.3

PacDisplay changes

- Display functionality split from module
 - PacEvtDisplay class has display functionality
 - Used by PacDisplay module
- testOneTrack now invokes PacEvtDisplay
 - controlled by 'displaytrack' xml parameter
 - printout controlled by 'printrack' xml parameter
- Macro separated from source code
 - root [1] .L ../PacDisplay/macros/LoadDisplay.C
 - root [2] LoadDisplay("testOneTrack.root")

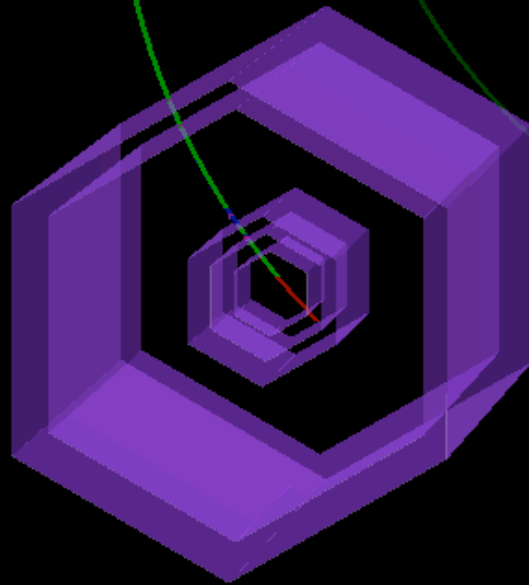
testOneTrack display



Related Developments

- Rectangular detector elements now supported
- Rectangles can have normal parallel or perpendicular to z axis (exactly)
 - permits closed-form helix intersection
 - Allows modeling of 'testbeam' configurations
 - Allows regular polygon geometries
- Compatible with Dch, Si measurements
 - Required changes in measurement objects
 - Problems with track fits with some geometries
- Integrated with display

Perpendicular Rectangles



Parallel Rectangles

