### QA tools status

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#### QA tools status

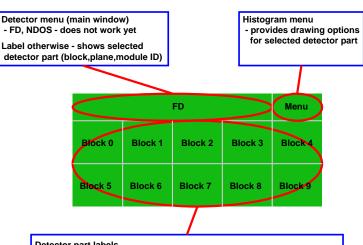
#### QA tools - Python GUIs based on Tkinter

#### GUIs have 3 main parts

- Detector menu/label menu with FD, NDOS options for main window, label otherwise
  - Shows current selected detector part (block, plane, module ID)
  - Selection of detector does not work yet
- Histogram menu
  - Provides options for selection of histogramed variable
  - Different set of options for different detector
  - More options have to be added
- Detector part labels
  - Show basic information about given detector part (block, plane, module ID)
  - Left click opens new window with lower level detector structure parts
  - Right click creates ROOT histogram of variable selected in histogram menu for given detector part
  - Detailed module info has to be added



### QA tools status #2



#### **Detector part labels**

- left click opens new window with selected detector part details
- right click creates histogram of variable selected in histogram menu for selected detector part

## QA database intro

- QA databases at FNAL, Ash River, UMN factory + other?
  - PostgreSQL databases
  - They can be accessed on ifdbprod.fnal.gov host using
    - psql client
      psql -d nova\_hardware -h ifdbprod.fnal.gov -username nova\_reader
      for online work
    - ROOT TSQLServer object from a script (for example see ROOT's sql tutorials)
- Nova QA database tables are organized in schemas
  - public schema NDOS related info
  - module\_factory ND only ?
  - ashriverprod\_factory FD only ?

Use command set search\_path to schema\_name to switch schema or use schema\_name in front of the table\_name to access tables from other schemas without switching, for example select \* from ashriverprod\_factory.module works even from other schemas.

# QA database intro # 2

- \d lists all tables, views and sequences for current schema
- \dn lists available schemas