Online Database Proposal GlueX Online Meeting

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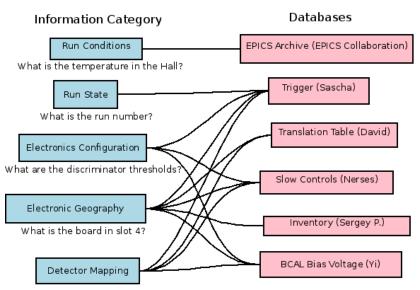
February 26, 2014

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Introduction

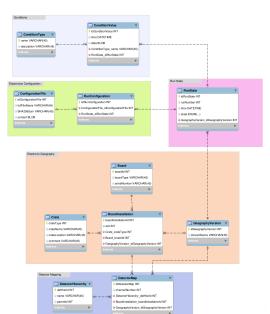
- Many database efforts, largely independent
- Large overlap
- Expressions of dissatisfaction have been heard
- Future development effort could be wasted
- For now: a proposal
 - Work with current tools should not stop
 - A picture of what a unified approach looks like
 - A conceptual design
 - Future direction to be discussed

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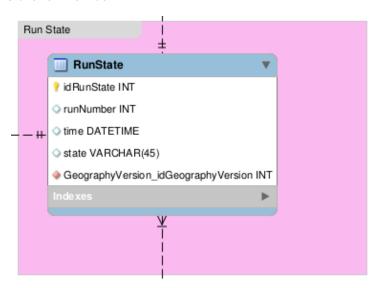
Which detector channels are cabled to the board in slot 4?

Overview



Run State

What is the run number?



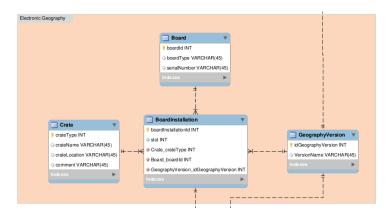
Electronic Configuration

What are the discriminator thresholds?



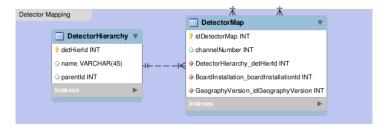
Electronic Geography

What board is in slot 4?



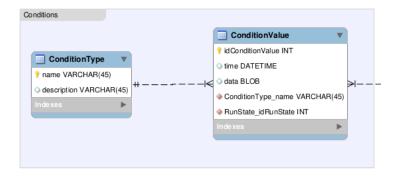
Detector Mapping

Which detector channels are cabled into board 4?

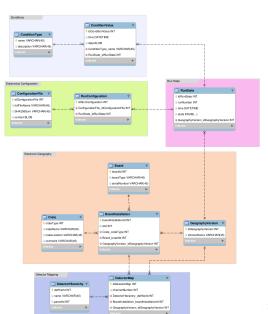


Conditions

What is the temperature in the Hall?



Overview



Conclusions

- We would benefit from a common approach.
 - Eliminate duplication of effort.
 - Building on work of others could result in more advanced tools.
 - Faster error diagnosis, smoother operations
- Hall D will have to use these tools for 10 years (hopefully).
- We are hard up against commissioning, a dangerous time to try to re-tool (i. e., schedule risk).
- Questions:
 - Is unification a goal?
 - If so, on what time scale?
 - How much work is it really?
 - ▶ Where does the manpower come from?