HWDB Progress at BNL

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Background

DUNE HWDB:

- HWDB workshop organized by the DUNE DB group:
  https://indico.fnal.gov/event/54411/
  https://indico.fnal.gov/event/54412/

- DUNE HWDB develop version:
  https://dbweb9.fnal.gov:8443/cdbdev/index

Use HWDB:

1. CE components need to be created in the DUNE HWDB
   - APA and Bottom CRP CE components list created by Marco Verzocchi:
     EDMS#2505353:PID_FD1-TPC-Electronics_FD2-BDE_v1.xlsx
     - Detailed: electronics, cables, mechanical parts

Progress at BNL

1. Implement a short list of CE components to the DUNE HWDB develop version:
https://indico.fnal.gov/event/56907/

System ID	Subsystem Name	Subsystem ID	Component Type Name	Component Type ID
81	LArASIC	1	LArASIC Version P5B version preproduction 1	1
81	ColdADC	2	ColdADC version P2 preproduction	1
81	ColdData	3	ColdData version E4 preproduction	1
81	FEMB	4	FEMB FD1 SAMTEC version	1
81	FEMB	4	FEMB FD2 MINISAS version	2
81	Warm Interface Board	5	Fully assembled Warm Interface Board	1
81	Warm Interface Board	5	WIB to FEMB adapter board	2
81	CE BOX	6	FD1 CE box version 1	1
81	CE BOX	6	FD2 CE box version 1	2
81	ASIC Testboard	7	Dual-DUT LArASIC test board	1
81	ASIC Testboard	7	DAT LArASIC test board	2

2. Created LArASIC data sheet and interface with the QC scripts:
See Tristan Doyle's talk:
https://indico.fnal.gov/event/57546/contributions/256325/attachments/162360/214576/HWDB_For_CE_221213.pdf

Plan at BNL

1. Build a local server to save CE QC raw data and results
2. Build a local HWDB which uses JSON files ——> same for DUNE HWDB
3. Once the local HWDB data sheets are finalized, we will implement them to the DUNE HWDB