

d_2^n DataBase Update

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What is Done with the Data Base

- Bigbite detector replay up and running.
 - [https://hallaweb.jlab.org/wiki/index.php/Building_the_Analyzer_and_BigBite_libs_from_CVS_\(d2n\)](https://hallaweb.jlab.org/wiki/index.php/Building_the_Analyzer_and_BigBite_libs_from_CVS_(d2n))
- Added list of Bigbite cosmic runs and updated Bigbite Čerenkov LED and Ped runs to special run list.
 - [https://hallaweb.jlab.org/wiki/index.php/List_of_special_runs_\(d2n\)](https://hallaweb.jlab.org/wiki/index.php/List_of_special_runs_(d2n))
- Bigbite Čerenkov 1PE ADCs from LED runs 1833-1839,2219-2229 are gain calibrated (1PE peak = ADC chan. 30).
- Bigbite Čerenkov pedestal values are implemented
- created database time stamps for days when Čerenkov, Shower or PreShower HV changed, or BigBite polarity change
- Dave and I Implemented a modified version of Xin's mid-day change script.
- Dave and I have merged and tested the LHRS and BB databases.

How the Mid-Day Change Script Works

- Script is called `StartType.pl`
- Uses text file `filetime_d2n` to grab `run time stamps`.
- In DB time-stamped folders there are `detector.dat1`, `detector.dat2`, `ect.` files for each time a change is needed for that detector on that day
- `StartType.pl` copies the correct `detector.dat1`, `detector.dat2`, `ect.` file as a `detector.dat` file to the working directory based on a user defined run range (specified in `StartType` script).

Example

```
sub adjbbcer{  
  
  if ($_[0]>=1244&&$_[0]<=1252){  
    print "Adjusting the BB Cerenkov FlashADC \n";  
    system("cp db_BB.cer.dat.3 db_BB.cer.dat");  
  }  
}
```

Figure 1: Example .dat switch subroutine

To-Do

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- Get Bigbite physics running.
- Calibrate preshower and shower for H2 and He3 elastic runs.