Subject: TOF calibrations
From: Sean Dobbs <s-dobbs@northwestern.edu>
Date: 01/21/2014 03:38 PM
To: Alexander Ostrovidov <ostrov@phy.fsu.edu>, "eugenio@fsu.edu" <eugenio@fsu.edu>, "Mark M. Ito" <marki@jlab.org>

Hi TOF-ers,

Sorry that I didn't make the last TOF meeting, since it overlapped with the Calorimetry meeting. I had a couple items that I wanted to bring up with regards to calibrations.

1. I've drawn up some CCDB table definitions based on the information that was presented. They will be turned into wiki pages soon, but I've attached a PDF of them and appended some comments (and a question) at the end of this email. I'd appreciate any comments you have by the next Calibration meeting, as I'd like to get these tables implemented.

2. Since one of the recommendations of the latest Software Review was regarding verifying calibrations procedures using simulated data, I wanted to check if there was any progress on developing the procedures for the TOF.

Thanks,
Sean

A few comments/questions about the calibration tables:

- I only put in the per-channel timewalk corrections to start with - of course if we do something more advanced, we can always add more tables

- since the timing calibrations will take several steps, I put the intermediate timing constants in the "TOF/timing/" namespace, and allowed for a final overall offset in "TOF/timing_offsets"

- Do we need a gain correction factor for the ADC hits?

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─Attachments:───

TOF_v0.1.pdf   21.3 KB

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