

sbndaq - Feature #23717

Save CRT configuration in human readable format

12/05/2019 12:25 PM - Antoni Aduszkiewicz

Status:	Assigned	Start date:	12/05/2019
Priority:	Normal	Due date:	
Assignee:	Antoni Aduszkiewicz	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Co-Assignees:			

Description

Presently CRT configuration FHiCLs consist mostly of a hard to read bitstream configuration and some other parameters for all FEBs connected to a given chain. The plan is to store it in an easy to handle, human-readable format.

I foresee the following tasks:

- Create CRT hardware database (Bishu, already sent request to Fermilab)
- Fill the DB with at least some data to start with (Chris, Tyler)
- Design format of the FHiCL file storing configuration for a single FEB, and a FHiCL file loading configuration for all FEBs in given chain.
- Modify BernCRTLFEBConfiguration so that it can read that format
- Write a tool reading DB and producing FHiCL files.