

INTT Weekly Meeting

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- We have several (redundant) pieces of code:
 - `InttFelixMap` and `InttMapping`
 - `InttFeeMap` and `InttMap`
- The first pair was the original implementation
 - Structs and comparators defined in `InttMapping`
 - Hardcoded channel mapping defined in `InttMapping`
- The second pair was an updated implementation
 - Structs and comparators defined in `InttMapping`
 - Mapping loaded from CDB into `InttFeeMap` class
 - code should be logic, not data
 - Wildcard logic added to struct comparators

- Intended to remove original implementation
 - Left alone in to avoid breaking workflows
- Redundant code is confusing and harder to maintain
- Some functionality should be merged
 - Having a default mapping available, without CDB lookup, is good
 - Having the option to load the mapping from CDB is also good
- Some functionality could be added
 - Proper overloading and type defining for range-based for loop syntax
- Standardize struct member names
 - full-word, `snake_case`, member names
 - choose which value of isomorphic values to use (next slide)

- The following are the same for the “offline” structs:
 - `strip_x`
 - `strip_phi` (I would prefer to use this)
 - `strip_row`
- The following are the same for the “offline” structs:
 - `strip_y`
 - `strip_z` (I would prefer to use this)
 - `strip_col`
- The following are isomorphic for the “rawdata” structs:
 - `pid`
 - `felix_server`

- Changes to classes themselves are tedious, but simple and straightforward to check
- Changes to sPHENIX repos are a matter of searching the repo with `grep` and doing find-replace
- Actual concern are changes to people's personal, uncommitted macros and classes
 - Are people extensively using these outside of committed codes?
 - I can modify any personal macros if they are committed somewhere