# ACE

#### A COOL Editor

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#### Current situation



- There are tools available that provide varying access to COOL.
- KTIDBExplorer (Read-only access)
- Various useful scripts are available to create and populate
  COOL folders e.g. testInitCool, initcalib, etc.
- Ad-hoc modification of folder entries is tedious and error prone.

### Basic requirements



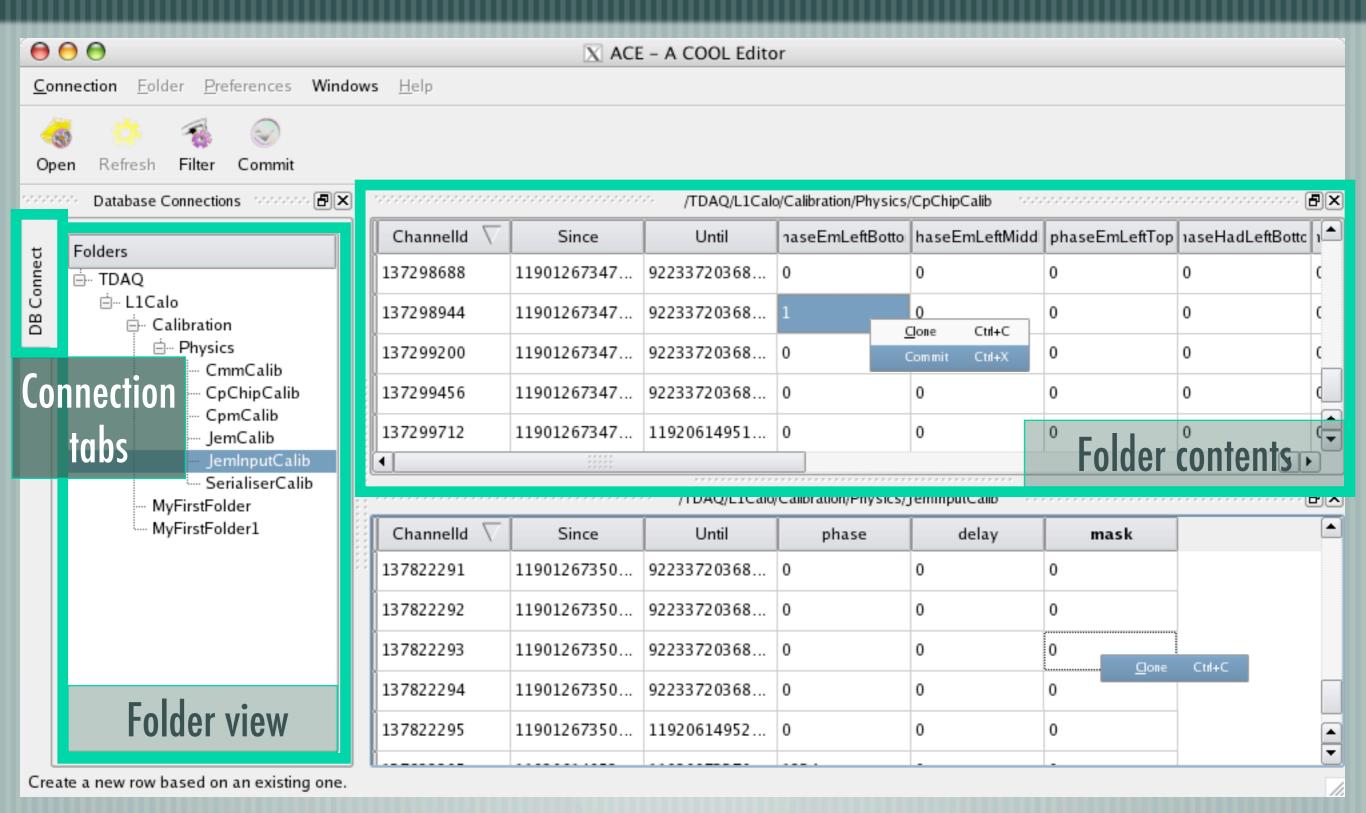
Browse existing COOL folders

Add new rows based on existing ones

Commit new rows to COOL

### A first look...





### A first look...



Very unpolished. Most buttons not activated yet.

Connection string hard-coded at the moment!

Only the essential browse, add and commit functions are ready.

#### Features



- Dedicated tab for separate COOL connections.
- Tabulated folder contents including Channel Id, Since and Until fields.
  - Cloning of existing rows and commit to COOL when changes to new rows have been finalised.
    - Dockable windows for folder content tables and folder view.

# Software dependencies



COOL v2.1.1 and above

TDAQ-01-08-00 and above

modified qtExternal package from L1Calo software

Qt v4.3 and above

### Other requirements?



- Folder construction from
  - scratch
- XML specification
- Lazy loading
- XML export
  - Filter mechanisms

### Next steps



- Immediate term
  - Update ACE to build against TDAQ-01-08-03
  - Enable all GUI buttons
  - Remove hard-coded connection string
  - Medium term
  - Polish GUI
  - Lazy loading
  - filter mechanisms

## Questions & Comments