

INTT Weekly Meeting

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- Created a dummy table in the daq database on opc0

```
phnxrc@opc0:~/INTT/josephb/HV/sql$ sh show_daq_dummy_intt.sh
time | ip | mpod_channel | status | voltage | current
-----+-----+-----+-----+-----+-----
2024-03-22 06:47:17.485952 | 10.20.34.150 | 407 | 00 01 | 0.043789 | 0
2024-03-22 06:47:17.485952 | 10.20.34.150 | 608 | 00 01 | 0.043802 | 0
2024-03-22 06:47:17.485952 | 10.20.34.151 | 407 | 00 01 | -0.011175 | -1.802
2024-03-22 06:47:17.485952 | 10.20.34.151 | 608 | 00 01 | 0.047221 | 0
(4 rows)
```

Figure: Example table on opc0. One actual readout was added for two arbitrary chosen channels (`mpod_channel`) on each crate (`ip`)

- Codes are on opc0
 - `/home/phnxrc/INTT/josephb/HV/`

We should decide on:

- Column names
 - I would recommend using the ip and channel from the MPOD
 - The mapping can be applied after getting a selection
 - The readout table will never need to be edited if the mapping is found to be wrong
 - The logging scripts would not need to depend on the mapping
- Polling frequency
 - A polling frequency of 1-2 minutes should be reasonable

Also,

- Data stored in SQL databases can be rendered with Grafana
- We can store our bias mapping in a table in the same database
 - This guarantees the mapping is always available with the readouts

- Some time ago I created a channel to load problematic channel maps:
 - <https://github.com/sPHENIX-Collaboration/coresoftware/blob/master/offline/packages/intt/InttMaskedChannelSet.h>
- It was suggested the class be renamed
 - The name `InttDeadMap` is taken
 - I am considering `InttBadChannelMap`
- The class also has a method to query if a given channel is dead
 - I named it after the corresponding method from `InttDeadMap::IsDeadChannel`
 - I am considering `::IsBad`