

# gammapy.data

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# Overview

- DataStore is a well-established class in gammapy

```
>>> from gammapy.data import DataStore
>>> dir = '$GAMMAPY_EXTRA/datasets/hess-crab4-hd-hap-prod2'
>>> data_store = DataStore.from_dir(dir)
>>> data_store.info()
```

- Works via HDUIndexTable
- Data reading is delayed using DataStoreObservation
- There is some code for Observation grouping (ObservationGroups, ObservationGroupAxis)

# TODOs

- Major issue: Improve IACT DL3 data access [#1303](#)
  - DataStoreObservation relies on files on disk
  - Introduce Observation class to decouple this
  - Can be introduced this week and embedded later
  - Self-contained project, **very relevant** (GTIs)
- Other issues
  - Think about the future of observation grouping (refactor/remove)
  - Cleanup (remove Target class)
  - Rewrite ObservationTable ([#1172](#))