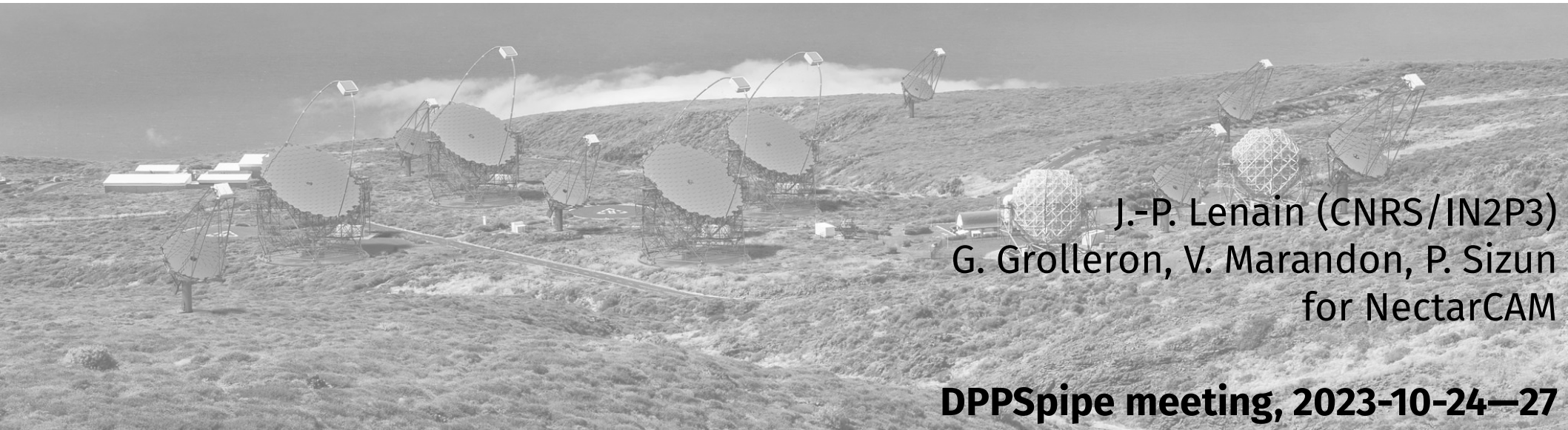


ctapipe with NectarCAM



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for NectarCAM

DPPSpire meeting, 2023-10-24—27

- Repository for development of analysis and calibration specific to NectarCAM data
→ *how specifics does it need to be* ? E.g. Caroff et al. (2019) SPE calibration algorithm implemented therein, we'll investigate *spefit*



- GitHub repository

<https://github.com/cta-observatory/nectarchain>



- Built on top of **ctapipe**



- **conda** installable



- Containerizable with **Singularity** (see [this recipe](#))

- Ideally, should be as thin a layer as possible between raw data and processing with **ctapipe**

- Repository for development of analysis and calibration specific to NectarCAM data
→ *how specifics does it need to be ?* E.g. Caroff et al. (2019) SPE calibration algorithm implemented therein, we'll investigate *spefit*



- Containerizable with Singularity (see [this recipe](#))
→ [GitHub CI workflow](#) implemented with automatic container builds (useful to check compatibility with external packages) and published on GitHub Container Registry on releases.
- Ideally, should be as thin a layer as possible between raw data and processing with [ctapipe](#)
- Note: Plugin reader [ctapipe_io_nectarcam](#) includes preliminary R0→R1 calibration
With EvB v6 → towards a common LST/MST reader ?

- Few examples:
 - Code organization: in the process of splitting data flow & algorithms → ctapipe **components**, see **PR #78**
 - DQM: towards a web application for visualization of data quality monitoring

