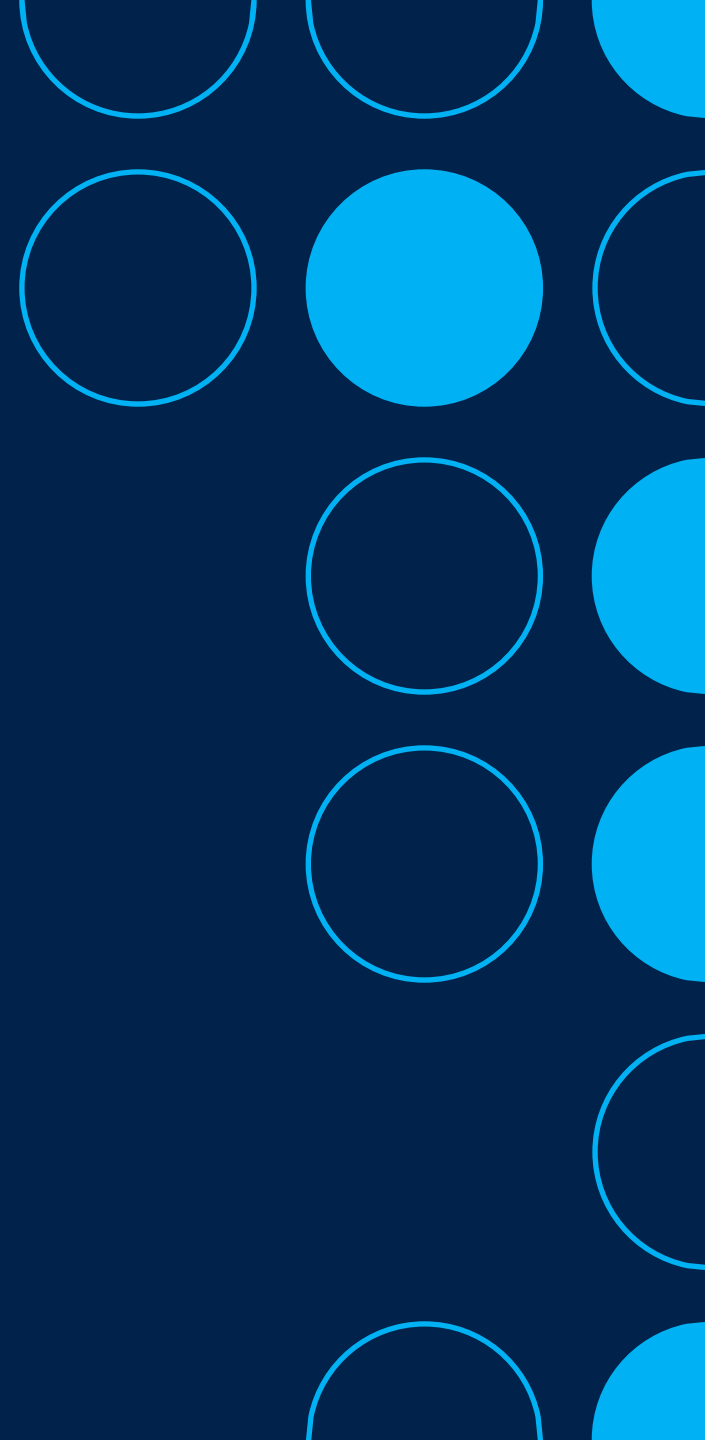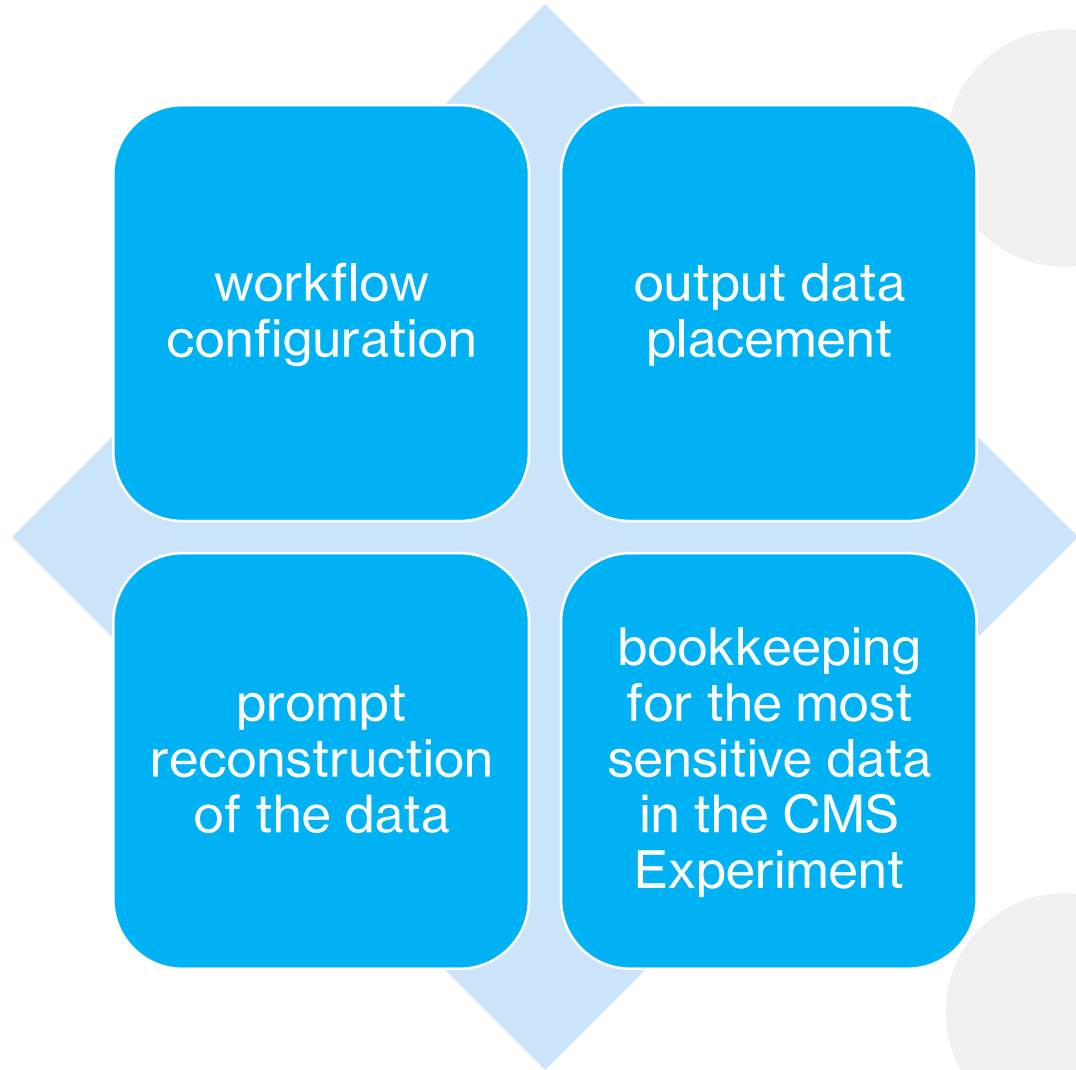# Improving testing procedures tier-0

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Mentors: Dmytro Kovalskyi, German Giraldo, Jan Eysermans
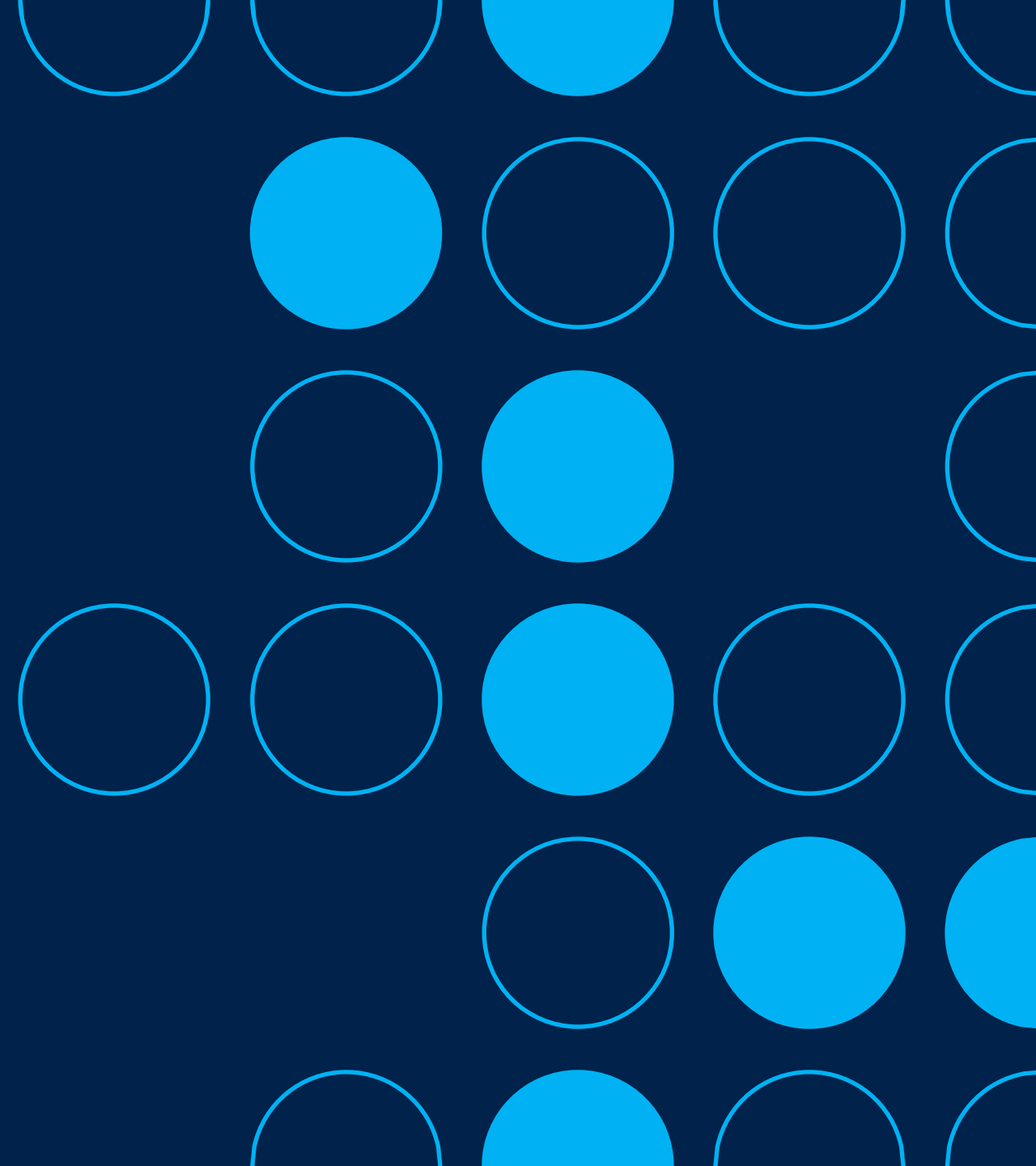
Tier-0 responsibilities

workflow configuration

output data placement

prompt reconstruction of the data

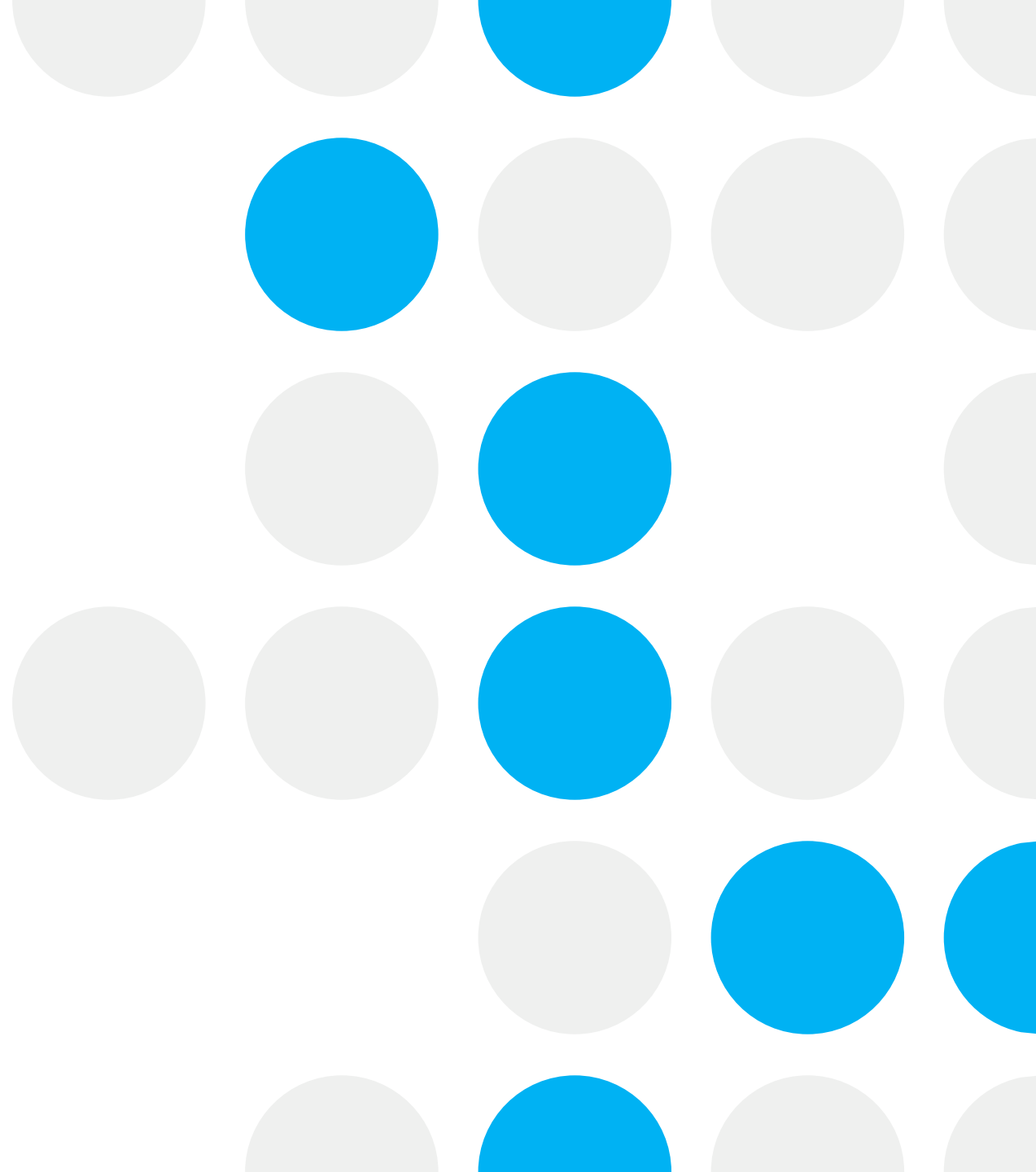bookkeeping for the most sensitive data in the CMS Experiment

Tier-0 testing system

- Python syntax tests
- Unit tests (Outdated)
- Replay test

Adding new unit tests advantages

- **safer and easier to refactor the code**
- Less chance of losing time/computing power to run replay on changes with unit-bags

Replay test

- Adding an option to limit the injected data into the system
- Adding an option to run replay locally