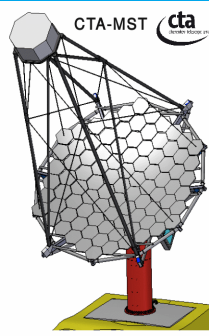


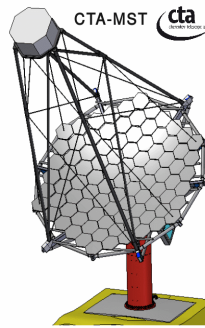


Medium Size Telescope



Bruno Khelifi, LLR

Context

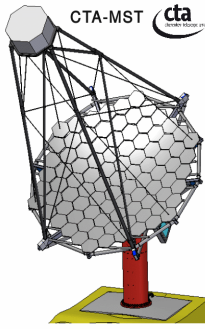


■ Next camera review

• 'NectarCam' project

- Convergence of technical forces around a modular camera with the Nectar Front-End electronics
- Build only what is needed
- Optimize the hardware functionalities
- **TPC-INT WP: work on specifications**
 - The level A and B specs wait for validation (review in March)
 - The work on the level C is currently stopped
- **Need to answer to the questions/recommendations of the last review**
 - A long list!

Proposed work plan



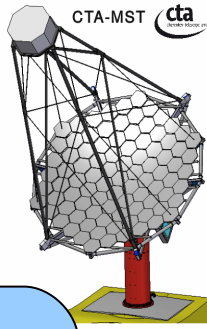
■ Two start-up meetings

- MC tools *TODAY*
 - Status of the codes, production tools
 - Identification of experts and FTEs up to the review
 - Goal: evaluate our computing power
- MST-CAM-Fr Specifications
 - Identification of the missing specifications
 - Prioritize them as a function of their importance and of our computing power

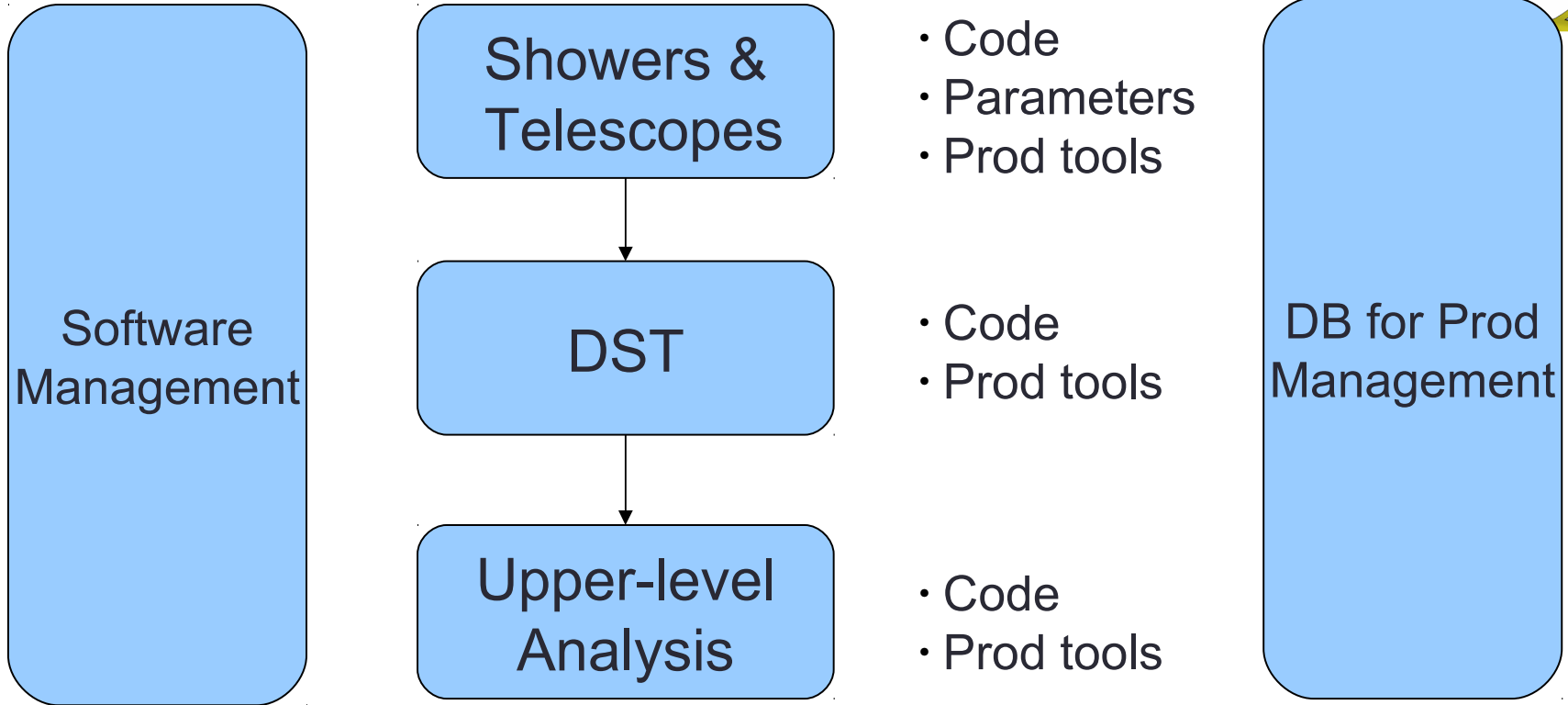
■ Regular meetings

- To follow the progress
 - Programming, Productions, Results
- Derivation of technical parameters from the specifications
 - With all the sub-system coordinators

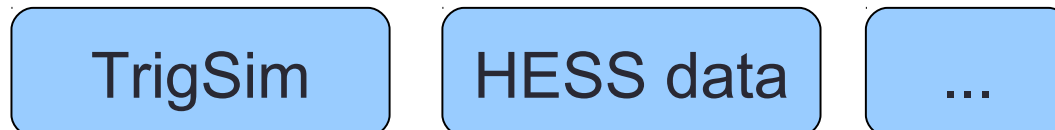
Available tools



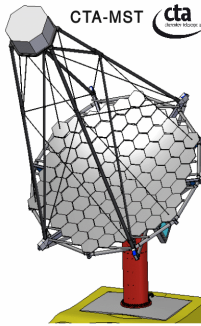
Full Analysis Chain



Specific tools



Showers & Telescopes



■ Codes

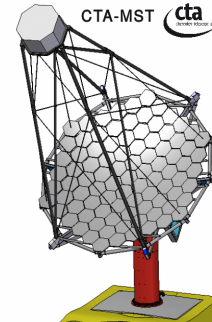
- Who are experts? NK, JPL, CNG
- To change the trigger scheme, readout scheme, ..
- An update from KB version needed?

■ Parameters

- Update of the optical efficiencies, dish geometry, PMT's QE, ...
- Who can do it? Contact with KB
- Need to make preliminary simulations?
 - Ex: TrigSim (Humboldt/Desy)

■ Prod. Tools

- EasyJob? Dirac?
- DB?



DST

▪ Codes

- Experts: YB, BK, JPL, NK
- No change expected

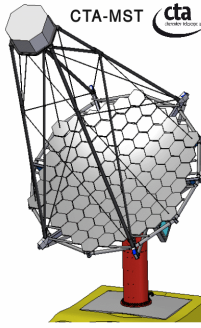
▪ Parameters

- No change experted

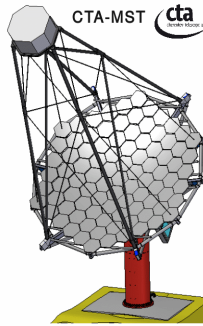
▪ Prod. Tools

- Dirac: Successful test by Luisa
- DB: needed for the prod management?
 - Creation of additional scripts?

Upper-level analysis



- **Codes**
 - Experts: YB, BK
 - No change expected
- **Parameters**
 - Cuts optimisation: to do as usual
- **Prod. Tools**
 - Never tested on GRID!
 - Dirac?
 - DB?
 - New scripts?

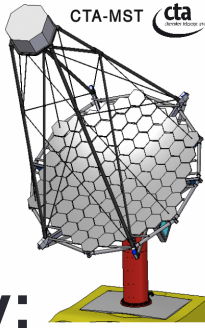


General tools

- **Software Management**
 - CVS? Confluence?
 - Responsible

- **DB Management**
 - Hosted: where?
 - Management: creation, maintenance
 - Responsible

Schedule and ToDo list



- **Assumption: Identification of the topics to specify:**
 - In ~10 days

- **Discussion on**
 - Sim_telarray
 - DST Prod
 - Upper-level analysis
 - General tools

- **Suggestions for the 2nd meeting on specs**

Schedule and ToDo list

