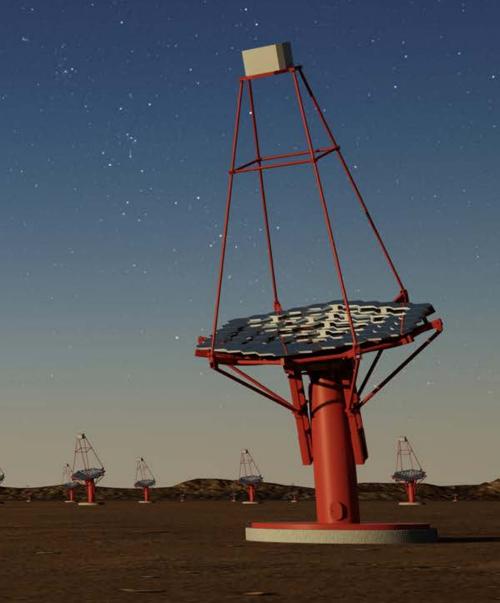# CTA INFN PHYS Meeting Summary

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Our expertise

1. CTA science topics with INFN participation
   1. Transient/GRB-GW
   2. EGAL/AGN
   3. GAL/SNR
   4. Dark Matter
   5. Other?

2. Simulation studies with INFN participation
   1. Science Cases (GRB, SNR)
   2. Data Challenge 1
   3. Gammapy & ctools
   4. Machine learning?

3. Low-level simulations
   1. Divergent pointing
   2. Camera studies for pSCT, LST, etc.
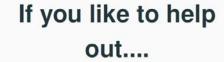   3. Atmospehric studies

Discussion

- We need to gain expertise in
  - Simulations, Trigger & analysis MAGIC
    - And in Veritas? (pSCT connection!!)

  - Simulations, Trigger & analysis mono LST
    - Crucial during Commissioning phase

  - Analysis with CTApipe

If you like to help out....

WE'RE HIRING!

- **Monthly CTA Consortium meetings**
  - TransientWG
  - GALWG
  - EGALWG
  - ASWG
  - DC1

- **Bi-weekly INFN CTA meetings**
  - Important communications, INFN Group updates regarding hardware/software/science

- **Bi-weekly INFN Simulation meetings**

Organization

- Ideas:

  - Monthly INFN **Science** meetings
    - Report progress in the various subgroups with focus on INFN activities
      - Strong connection with International meetings
      - Strong connection with MC meetings

Thanks for attending this meeting!!!