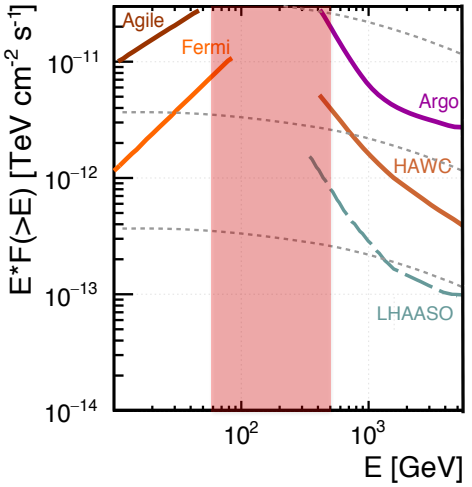
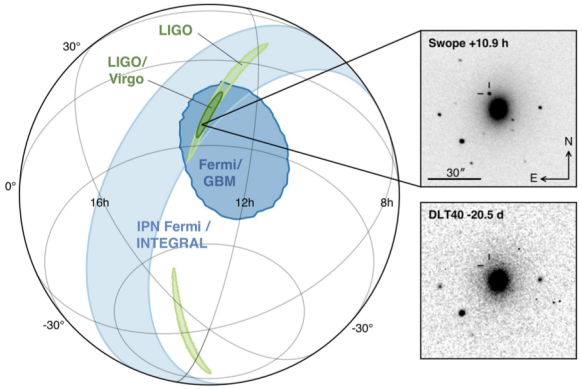
Wide field of view gamma-ray observatory in South America

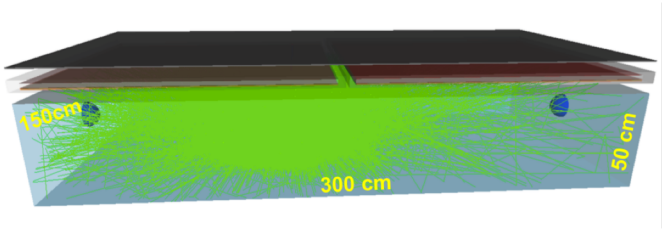
- A broad energy range : From satellites to the highest energies (Core + sparse array at 5000 m a.s.l.)
- Complementarity to: CTA, IceCube, KM3NET, GW observatories (transients, sources variability, …)
- Build on the experience of successful observatories: Argo, HAWC, Auger, …
- Low maintenance / reasonable cost



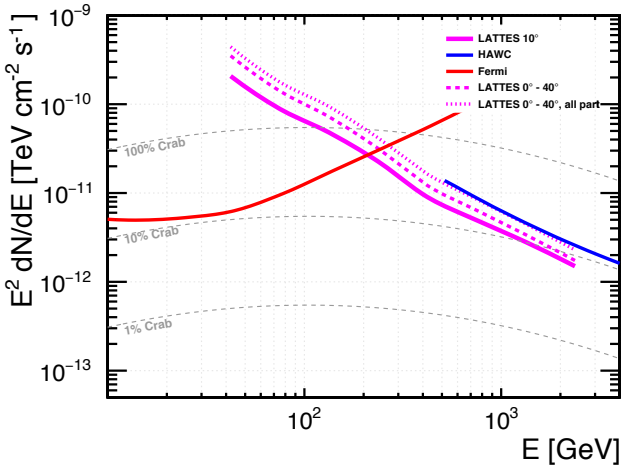


Detector concept and performance

- An hybrid detector : 1ns time resolution (angular resolution), calorimetric energy measurement (trigger)



- Results from LATTES concept are quite encouraging! (end-to-end simulation)



(*Astropart.Phys. 99 (2018) 34-42*)

Sketch of a first organization?

1- Steering Committee with representatives of countries/funding agencies/big Lab
2- Physics Group in charge to prepare a white book or something similar
3- Detector and Performance Group to develop and simulate the several detectors concepts
4- R&D Group to coordinate the production and test of prototypes
5- Site Procurement Group to start the evaluation of the possible sites (Chile, Argentina) as well to evaluate the local support.