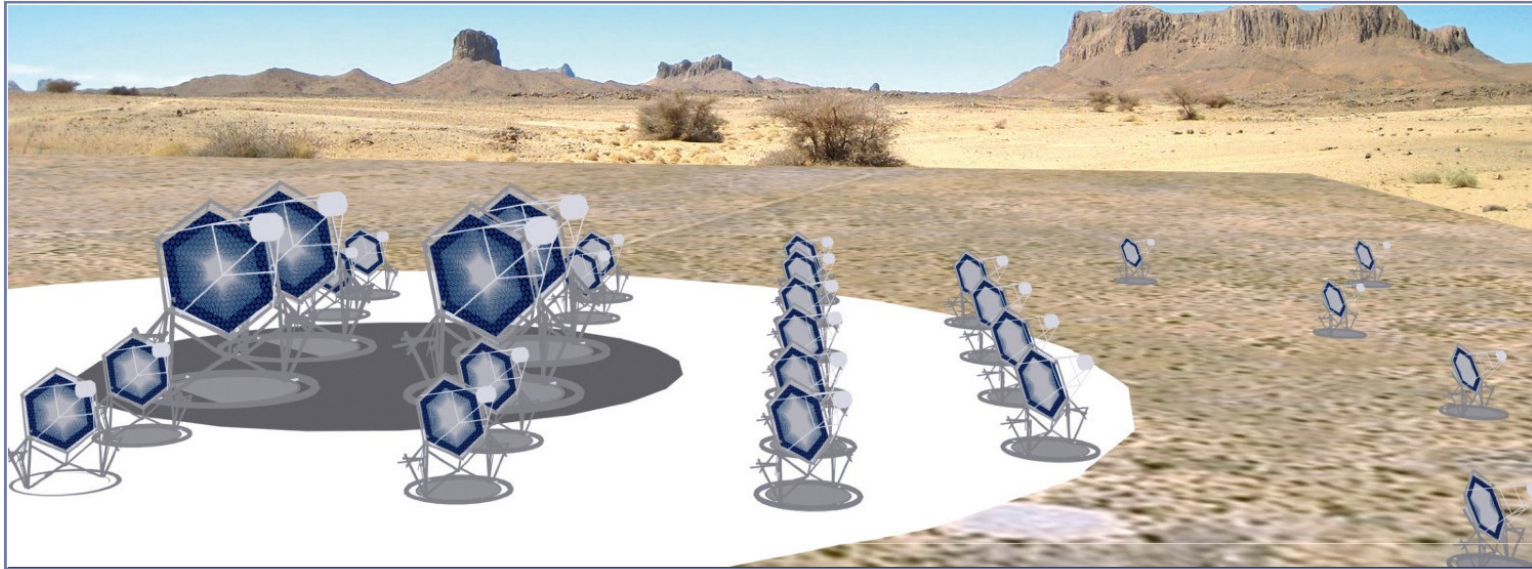




CTA: Cherenkov Telescope Array

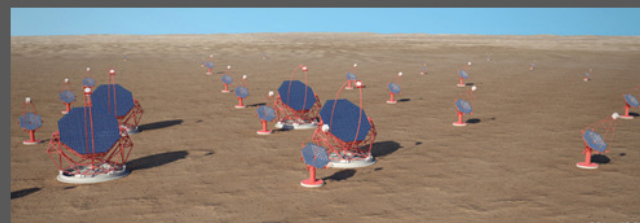
Preventivi 2013

Outline

- ▶ CTA is an international observatory
 - ▶ Highlights in gamma-ray astrophysics
 - ▶ Some results on Cosmic Ray physics
 - ▶ Some results on Fundamental physics
- ▶ CTA collaboration
 - ▶ World-wide cooperation
 - ▶ 25 countries
 - ▶ 132 institutes
 - ▶ >800 scientists

Letter of Intent

- ▶ *Presentazioni*
 - ▶ *Mini workshop su CTA, 20 febbraio*
 - ▶ *Presentazione in CSN2, 17 aprile*
- ▶ *Preparazione di una Lol*
 - ▶ *INFN and University of Bari*
 - ▶ *INFN and University of Napoli*
 - ▶ *INFN and University of Padova*
 - ▶ *INFN and University of Perugia*
 - ▶ *INFN and University of Pisa-Siena*
 - ▶ *INFN and University of Roma*
 - ▶ *INFN and University of Torino*
 - ▶ *INFN and University of Udine*
- ▶ *Apertura di sigla CTA-R&D in CSN2*
- ▶ *Riunione Roma 27&6/2012*
 - ▶ *A. De Angelis resp. nazionale*

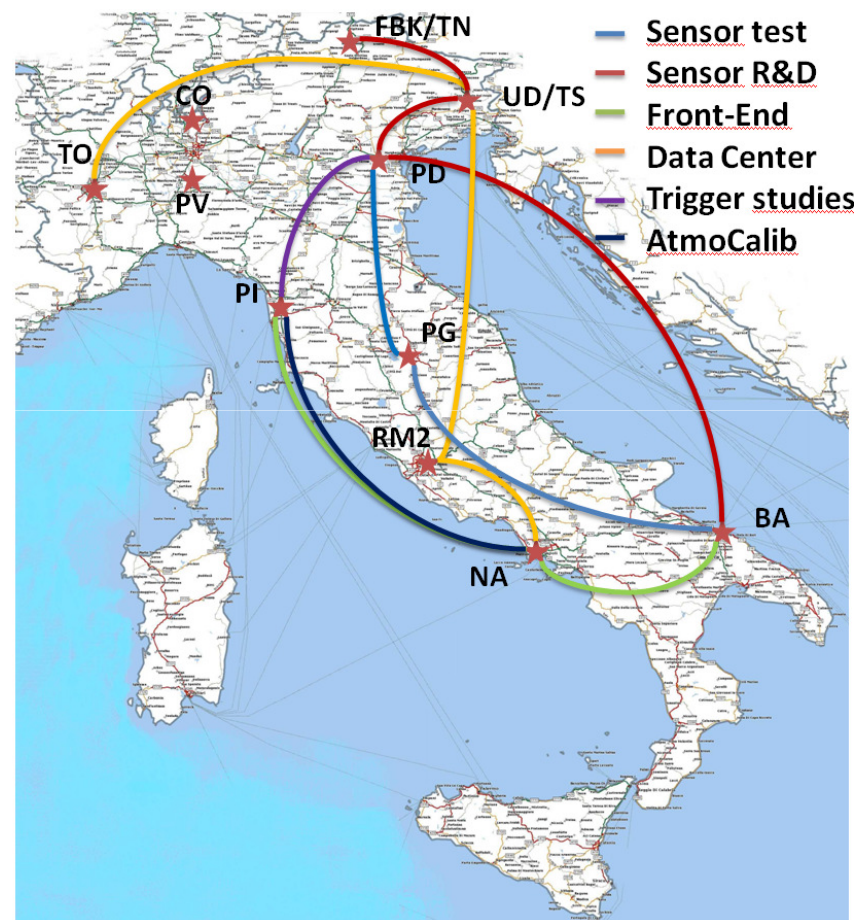


INFN AND THE
CHERENKOV
TELESCOPE ARRAY

2012.06.01

INFN areas of interest

- ▶ High QE and granularity photodetectors
 - ▶ SiPM characterization and R&D studies
 - ▶ Test on Hamamatsu **(BA-PI)**
 - ▶ R&D on FBK-IRST **(BA-PD-PG)**
 - ▶ Front-end solutions **(BA-PG-PI)**
 - ▶ ASIC
- ▶ Readout system **(BA-NA-PI)**
 - ▶ S&H digitizers
 - ▶ Waveform digitizers
 - ▶ High speed transmission
- ▶ Trigger system **(PD-PI)**
 - ▶ Camera trigger
 - ▶ Array trigger
- ▶ Mirror prototypes **(PD)**
- ▶ Atmospheric Calibration **(NA-PI)**
- ▶ Back-end solutions **(NA-RM2-UD-TO)**
 - ▶ Large data flow
 - ▶ GRID computing
 - ▶ Simulation and analysis



Personale

			FTE
Paoletti Riccardo	Prof.Associato		50
Ciocci Maria Agnese	Ricercatore		30
Stamerra Antonio	Ricercatore		50
Shore Steven	Prof. Ordinario		40
Nardino Vanni	PostDoc		
XXX	Ass. ricerca		
YYY	Art. 23 (fondi EU)		
		4	1.7

► Richieste Sezione

- Supporto meccanica per prototipi
- Supporto elettronica
 - Consulenza per trasmissione dati high-speed (Gbit Ethernet)



CTA-Pisa richieste 2013



Capitolo		Sub judice	Richieste
Interno	Contatti Italia		???
Estero	Meeting coll+analisi		???
Consumo	Schede caratterizz. SiPM		15
Trasporti			
Inventario	Alim. SiPM		2
Apparati			
	TOTALE		17

