

Magic – Preventivi locali di Spesa

- Attività 2012
- Preventivo locale di spesa 2013
- Richieste ai servizi della Sezione



R. Paoletti – Pisa 2/7/2012

Stereoscopic System

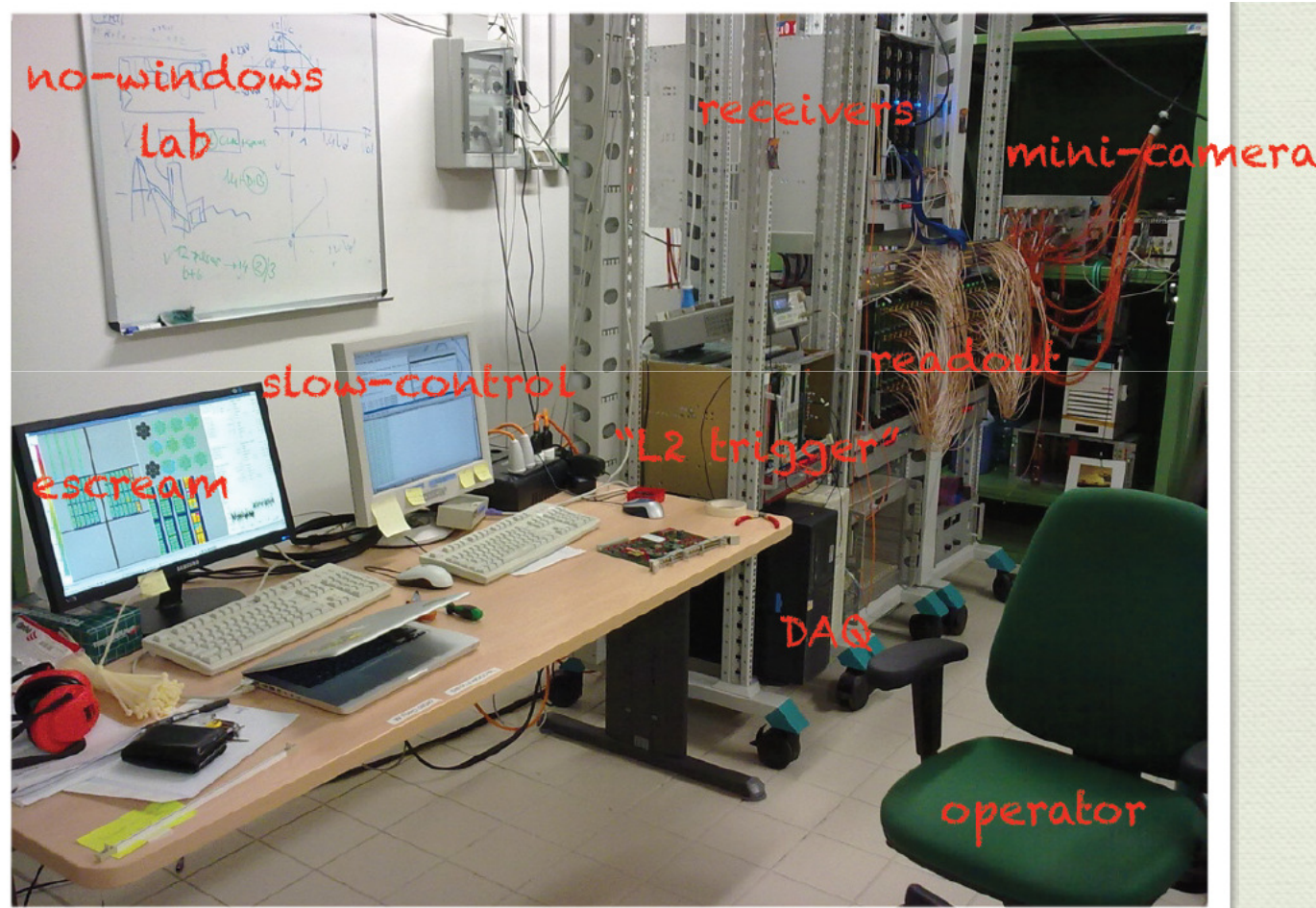
- Commissioning of Magic-I+Magic-II
- Continuation of upgrade project in 2012
 - Installation of a new camera in Magic-I
 - Full readout system with DRS4 being installed in July
 - National responsible R. Paoletti



2012 articles

1. [Morphological and spectral properties of the W51 region measured with the MAGIC telescopes](#)
J. Aleksić et al.,(MAGIC Coll.), Astron. Astrophys. in press
2. [Discovery of VHE gamma-ray emission from the BL Lac object B3 2247+381 with the MAGIC telescopes](#)
J. Aleksić et al.,(MAGIC Coll.), Astron. Astrophys. in press
3. [Detection of very high energy gamma-ray emission from NGC 1275 by the MAGIC telescopes](#)
J. Aleksić et al.,(MAGIC Coll.), Astron. Astrophys. Lett. in press
4. [Detection of the gamma-ray binary LS I +61 303 in a low flux state at Very High Energy gamma-rays with the MAGIC Telescopes in 2009](#)
J. Aleksić et al.,(MAGIC Coll.), Astrophys. J. in press
5. [The 2010 very high energy gamma-ray flare and 10 years of multi-wavelength observations of M 87](#)
A. Abramowski et al. (HESS, MAGIC, VERITAS Coll. & M87 Radio team), Astrophys. J. 746 (2012) 151
6. [Phase-resolved energy spectra of the Crab Pulsar in the range of 50-400 GeV measured with the MAGIC Telescopes](#)
J. Aleksić et al.,(MAGIC Coll.), Astron. Astrophys. in press
7. [Mrk 421 active state in 2008: the MAGIC view, simultaneous multi-wavelength observations and SSC model constrained](#)
J. Aleksić et al.,(MAGIC Coll.), Astron. Astrophys. in press
8. [Performance of the MAGIC stereo system obtained with Crab Nebula data](#)
J. Aleksić et al.,(MAGIC Coll.), Astropart. Phys. in press

DRS4 readout



external
clock and
trigger

24 channels

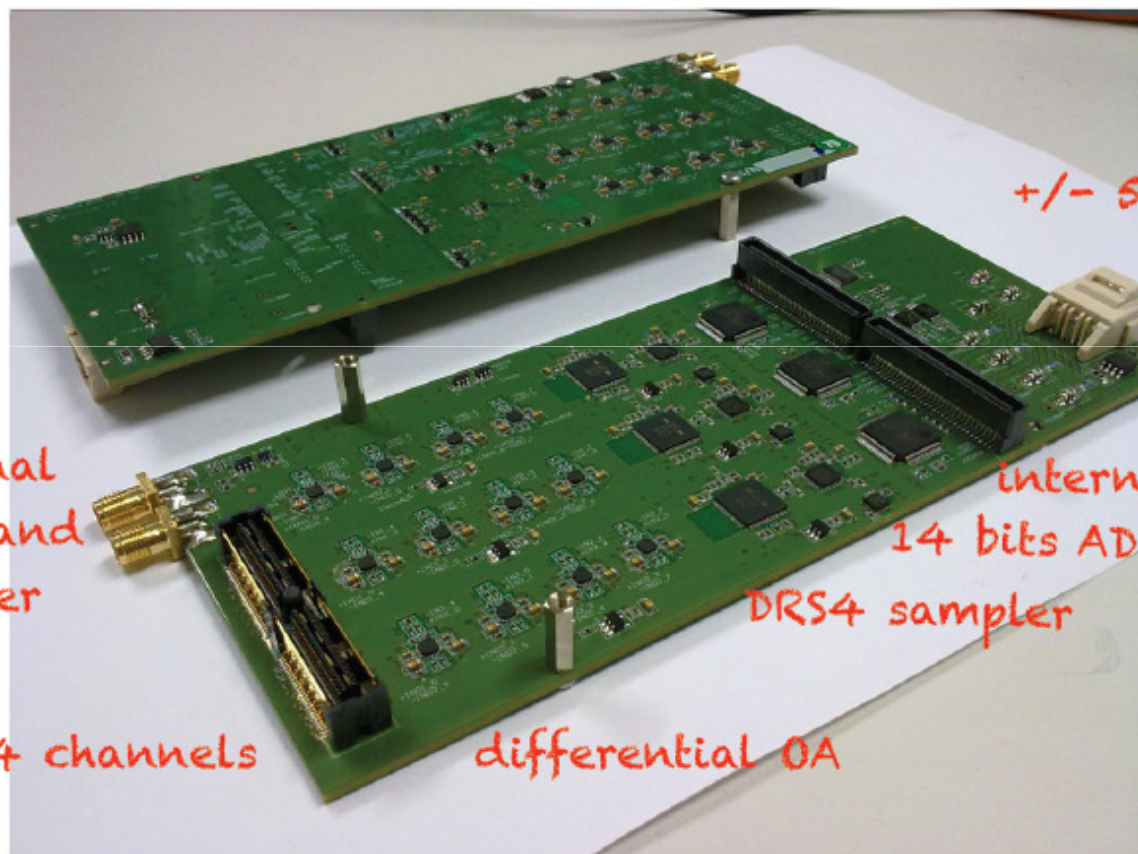
differential OA

+/- 5V external
PS

internal FIFOs

14 bits ADC

DRS4 sampler



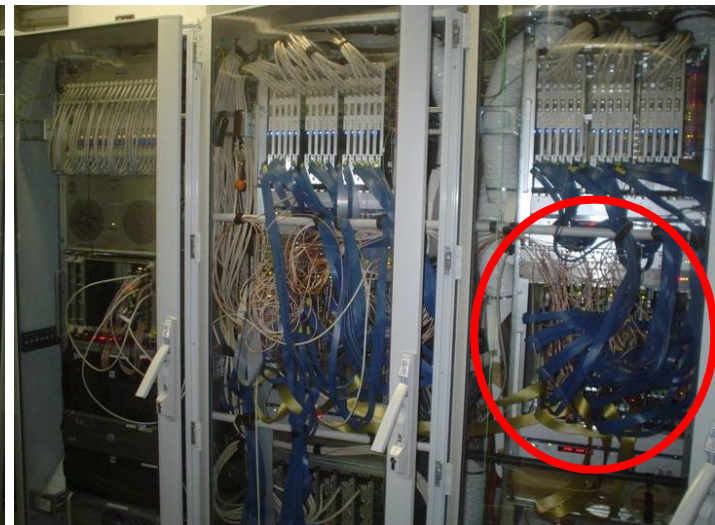
The Read-Out System

- INFN-Pisa has built the sampling electronics of Magic-I and Magic-II
- Based on the Pulsar board (Uchicago) and the DRS4 chip (PSI)

Magic-II



Magic-I



Pulsar+DRS4
read-out system
2048 channels
@ 2 GHz sampling

Personale

			FTE
Da Vela Paolo	Dottorando		100
Partini Serena	Dottorando		100
Paoletti Riccardo	Prof. Associato		50
Prada Moroni P.G.	Ricercatore		40
Preziuso Silvia	Laureando		100
Shore Steven	Prof. Ordinario		30
Spinelli Marta	Dottorando		50
Stamerra Antonio	Ricercatore		50
		9	5.2
Cecchi Roberto	Tecnico cat. D		50

Magic-Pisa richieste 2012

Capitolo		Sub judice	Richieste
Interno	Contatti PD+RM+SI+PI		12
	Riunioni Analisi/Software		6
Estero	Meeting coll+analisi		12
	Turni Presa Dati		14
	Turni tecnici		12
	Missioni responsabile		6
Consumo	Manutenzione apparati		10
	Affitto macchina		12
	Common Funds		???
Inventario	Sistema acquisizione dati		10
Apparati	Manutenzione elettronica		10
	TOTALE		104

Richieste ai Servizi di Sezione

- Officina meccanica
 - Nessuna richiesta prevista per il 2013
- Servizio Elettronica
 - Assistenza per manutenzione elettronica