F2F Meeting on INFN Physics with CTA
Introduction & Welcome

N.Giglietto

- Why this meeting
- SCT news Atlanta(3-4 Feb)
- INFN-INAF Multimessenger politics

- MC
- Commissioning (LST+SCT)
- First data/science
- Key science items for INFN
- MAGIC our contribution
- New wg analysis

SCT
simulation & analysis update

O. Hervet, D. Nieto, G. Maier

CTA-US Meeting
Feb. 2018

o Production and analysis run @ GTech
- Statistics: LP, Prod3 @ MPIK
- 20° Zd only
- LST, SCT, MST-FC
- Completed early Oct. 2016

o Disk usage for full production:

Recommended layout only

	gamma	proton	electron	gamma-diffuse	Total
SCT	4T	7T	0.6T	0.7T	**12.5T**
FlashCam	1.5T	3T	0.2T	0.2T	5T

Total: ~17.5T

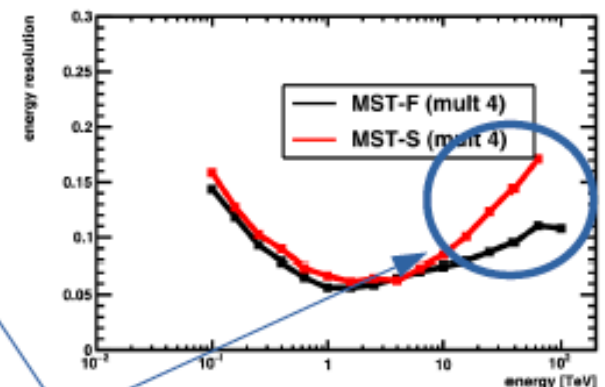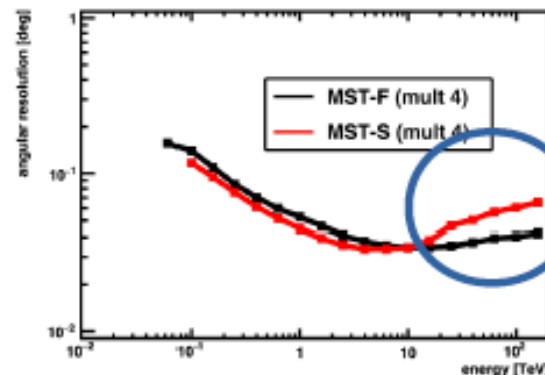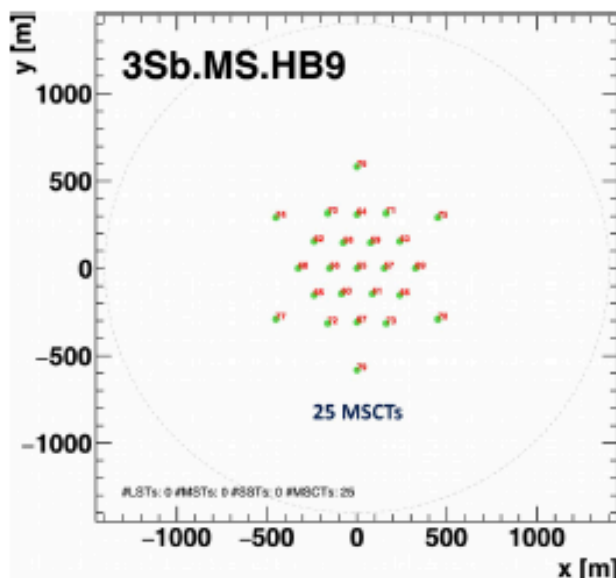- different descoping options (9 – 12 – 15 MSTs)

- Telescope multiplicities (2 – 3 – 4)

3AL4M15-5-F

#LSTs: 4 #MSTs: 15 #SSTs: 0
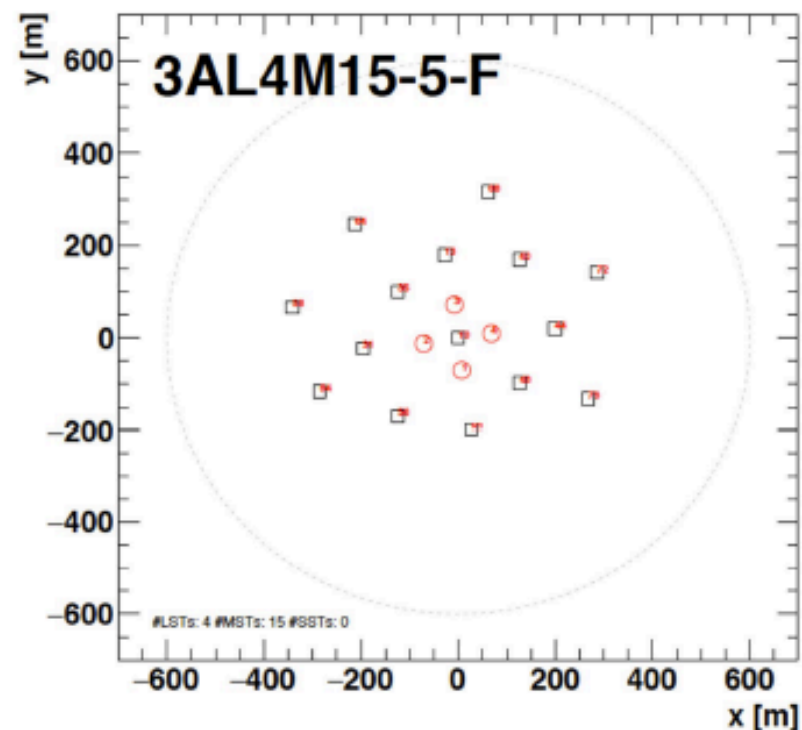
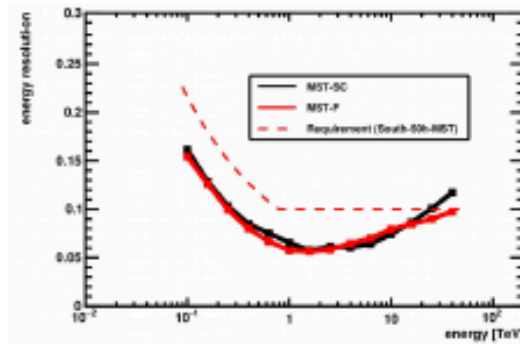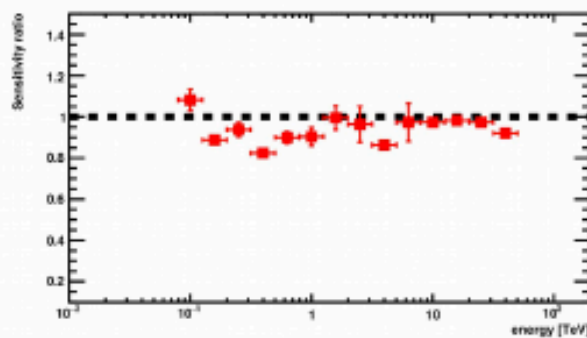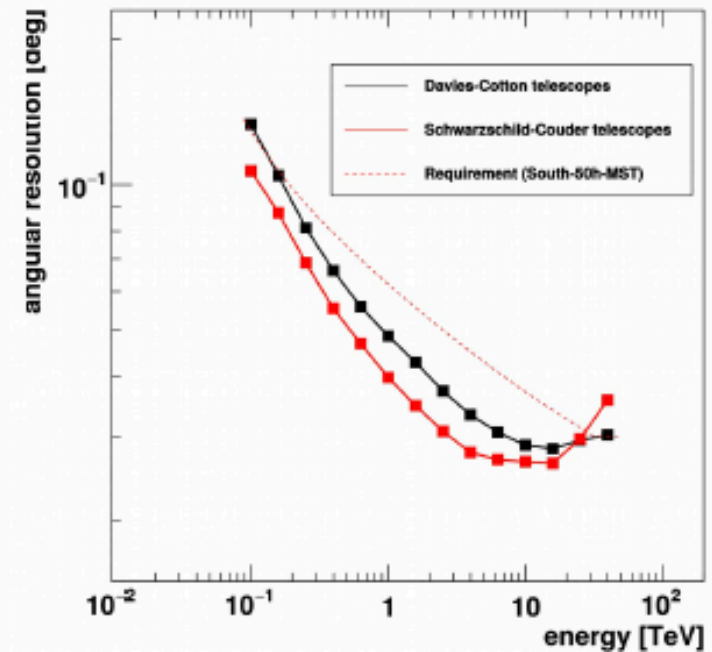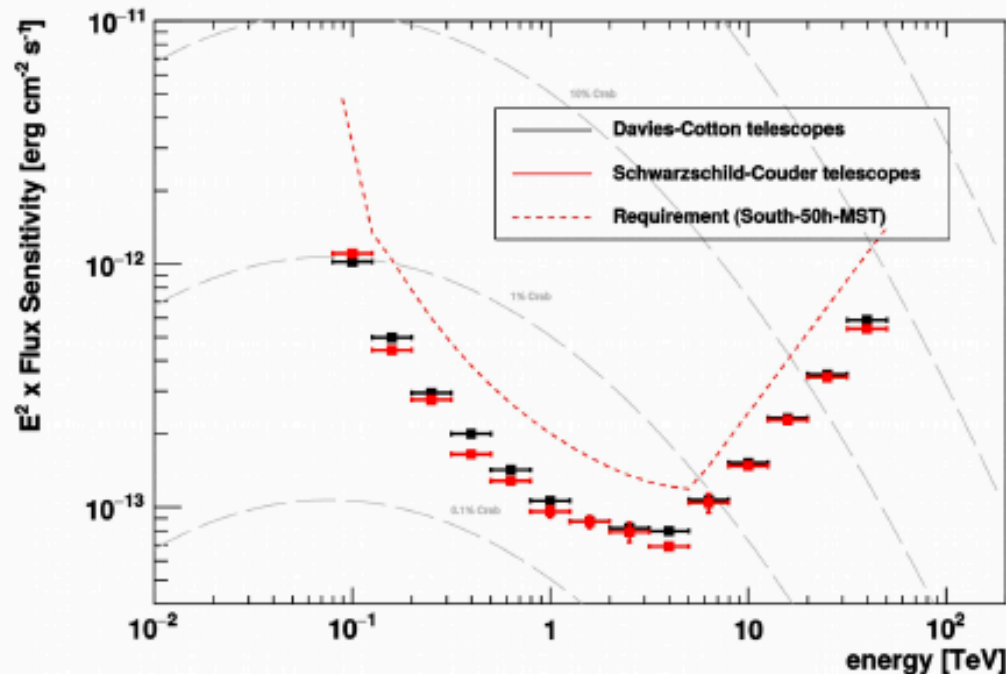Preliminary tests on HB9, MST array, North pointing, multiplicity 4
→ Desy cluster

Performances drop at E > 10 TeV

Issue targeted from the dispBDT method of EventDisplay
(Implemented as standard method for Prod3b)

First IRF comparison Prod3b ready for the MRI proposal, Big thanks to Gernot !
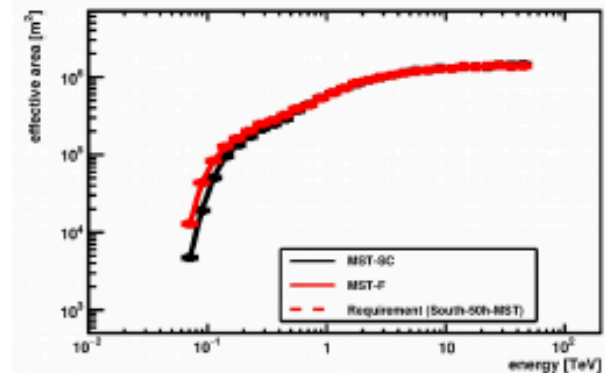
SCT-LST

- Simulation of SipM performances&camera (SCT)
- Support commissioning
- MC and first calibrations
- Initial CTA science

MAGIC:
Which kind of support to MAGIC

INFN-INAF

- Strong support to multimessenger-multi wavelength science