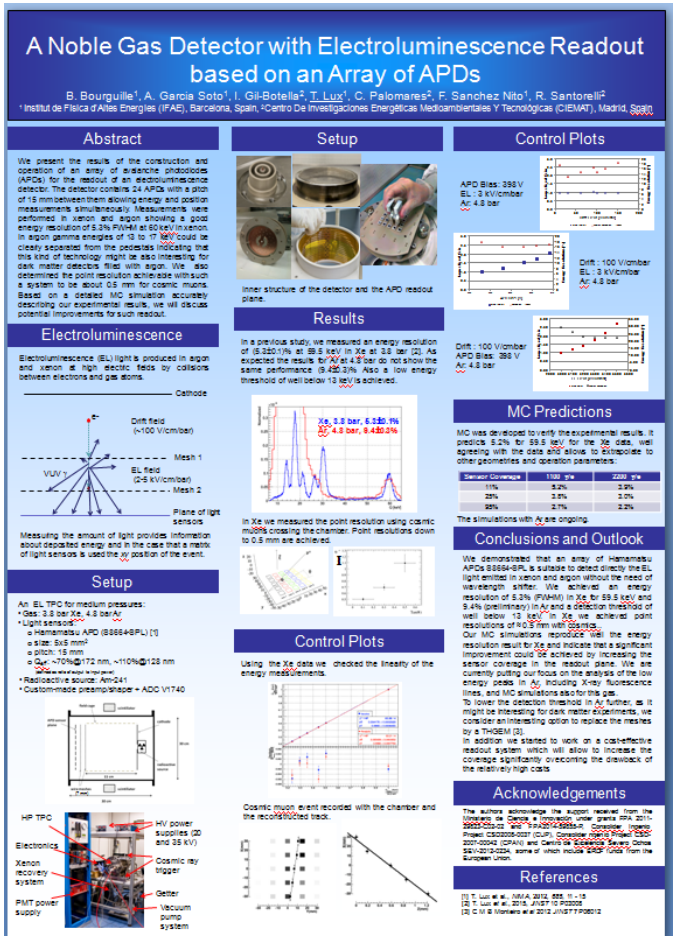
Status at IFAE

Thorsten Lux

EL Chamber

- Poster presented at IWORID 2015 with Ar data
- Proceedings deadline: 30.9.2015
- Electronic boards repaired
- Tests afterwards showed 5 APDs broken
- No further tests planned and chamber will be dismantled in September
- Design of new HP chamber should be finished end of August
- Production hopefully will start in autumn until spring of 2016 (still have to fight for it)



TPB Coating at UAB

- Another meeting with Arturo Lozano from UB mid of June
- Still positive impression, both sides are interested
- This year not possible to join project
- Trying to work out a institutional agreement between IFAE and UB and to submit next year together a proposal
- Will restart this effort in September
- Beginning of September also planning to order TPB (just received ArDM provider from Roberto)
- Hopefully at some point in autumn can get first samples

Light Simulation

- Had a meeting with John about light simulation
- Common strategy defined including a common SVN repository
- Bruno on our side will work on it/ John for CTA
- First plans:
  - Simulate circular, hexagonal and square pads (later semi-elleptical)
  - John invests if Geant4 includes already WLS (seems so)
- Some differences: Ar light surface, CTA volume distributed
- SiPM response will not simulated in Geant4 => John found SiPM simulation framework (GosSIP) from Uni. Heidelberg

Next Steps/Others

- First vacations
- New HP chamber: finishing design end of August with engineer
- Contact CERN electronic pool to investigate if modules for the readout of the 5 PMTs is available
- Federico will organize a meeting with institute in Tarragona with expertise in WLS development (September)
- Working on finding a way to send an engineer to CERN to work on WA105 => might be also be interesting for you at CIEMAT