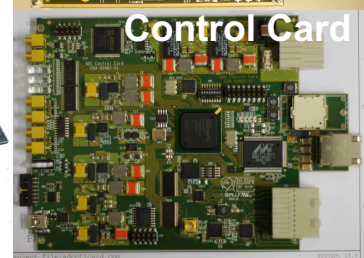
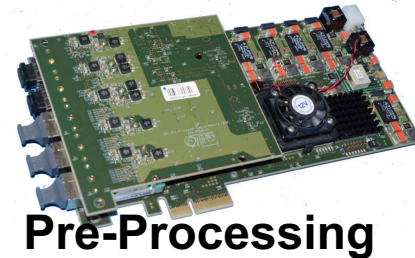
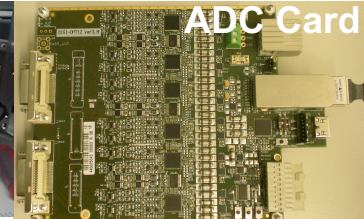
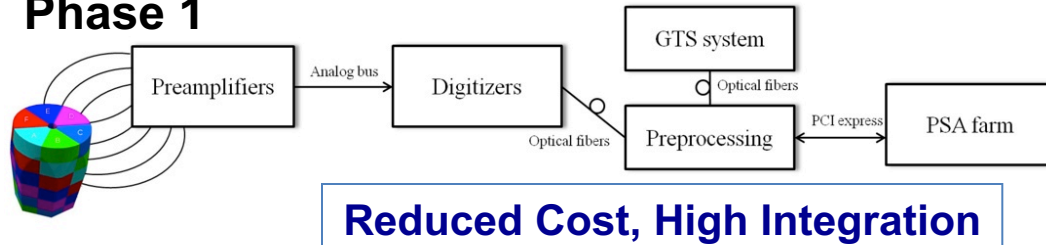


# Advanced Phase 1 Electronics



INFN-Padova INFN-Milano INFN-LNL  
IFIC-Valencia ETSE-Uni-Valencia

## Phase 1



**Pre-Processing**

**Control Card**

D. Barrientos, et al., *Proc. 18th IEEE Real Time Conf.* (2012) 1

Installed 12 channels. Expected to instrument with it up to 45 channels (+ spares) i.e.  $1\pi$  of AGATA

The upgrade to 45 channels for the GANIL campaign, required a production of the GGP / DIGI-OPT12 Electronics. Proposed to produce 10 channels + spares.

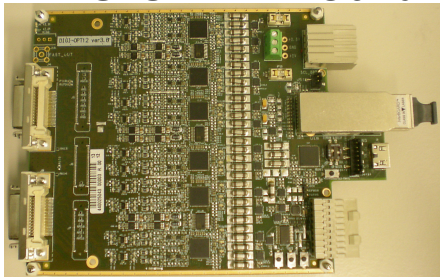
Production on-going or completed for several items , Initial target schedule for production: end 2017 (more realistic nowadays mid 2018)

# Advanced Phase 1 AGATA Electronics: Second production: 10 + Spares channels



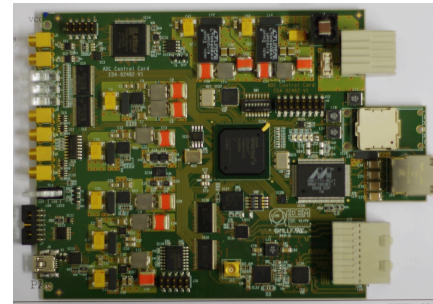
## Status:

### DIGIOPT-12 Card



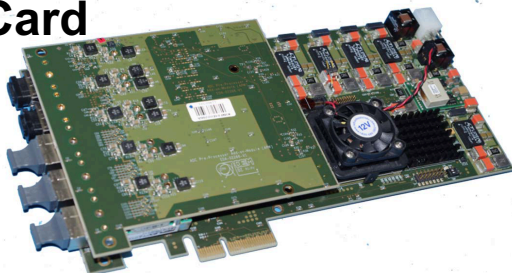
Procurement Completed in May 2017. Small changes being done

### Control Card



PCB upgraded and procured. Components procured. Mounting in September.

### GGP Pre-Processing Card



FPGAs procured PCBs upgraded and ordered. Mounting order being done

### Mechanics and PS



PCB & Component Procurement completed. Mounting in september.

Obsolete transceivers procured with the help of IKP-Cologne Latencies in the production of GGP and the 2018 campaign will shift the Electronics Installation milestone to Q3 2018.

**INFN and University of Padova, INFN and University of Milano  
ETSE and IFIC Valencia**