



# LHCb Upgrade Electronics

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## Meetings in 2016 (Thursday, 2pm):

9<sup>th</sup> June

11<sup>th</sup> August

13<sup>th</sup> October

1<sup>st</sup> December

<http://lhcb-elec.web.cern.ch/lhcb-elec/html/upgrade.htm>

Common ATLAS/CMS workshop 7-10<sup>th</sup> March:

<https://indico.cern.ch/event/468486/>

Lots of interesting developments

(many that could be relevant to later LHCb upgrades)

TWEPP 2016 in Karlsruhe, 26 – 30 Sept

<http://indico.cern.ch/event/489996/>

Abstract deadline: 30<sup>th</sup> April



# Common Components

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## GBT-SCA:

Version 2 fabricated in MPW run

Tested & working well:

- ADC performance improved

- Single-ended IOs can be powered up to 3.3V with long-term reliability

NB1: this IO voltage is common to ALL the single-ended IOs

NB2: version 1 of SCA can also run at 3.3V IO voltage, but is NOT guaranteed for long-term reliability. OK for prototypes, but NOT for modules to be installed in LHCb.

Radiation tests coming soon, then production should start

**New version (8.0) of manual available on website**

## GBTX

New version of manual on website (version 0.12)

## VTXXs

Recent batch now exhausted

Next batch arriving in May

**IMPORTANT:** If you need some from this batch for your prototyping, let me know immediately

NB subsequent batches will follow monthly