



# LHCb Upgrade Electronics

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## Meetings in 2011:

11<sup>th</sup> August - CANCELLED

13<sup>th</sup> October

15<sup>th</sup> December (changed from 8th)

## Review of upgrade concept, commissioned by LHCC:

### Quotes:

‘We characterize the upgrade as “challenging, but technically achievable” ‘

“The proposed readout architecture is sound and there are no technical show stoppers “

# Specific comments on electronics 1

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## Zero-suppression:

understand sensitivity to beam conditions,  
simulate,  
introduce sufficient safety margin

Support GBT & versatile link projects (start prototyping!)

Issues related to 50ns/25ns....?

ASIC developments should start soon (resources)

missing effort for silicon strip chip.... AGH Cracow have  
expressed interest

# Specific comments on electronics 2

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Investigate using DC-DC convertors

Careful evaluation of ATCA & impact \*

Take care with obsolescence in:

Muon system & related TTC components  
OT (ASDBLR)

Carefully evaluate power supply situation & how to procure new requirements \*