

# Characterisation of SiPMs for the LHCb Scintillating Fibre Tracker

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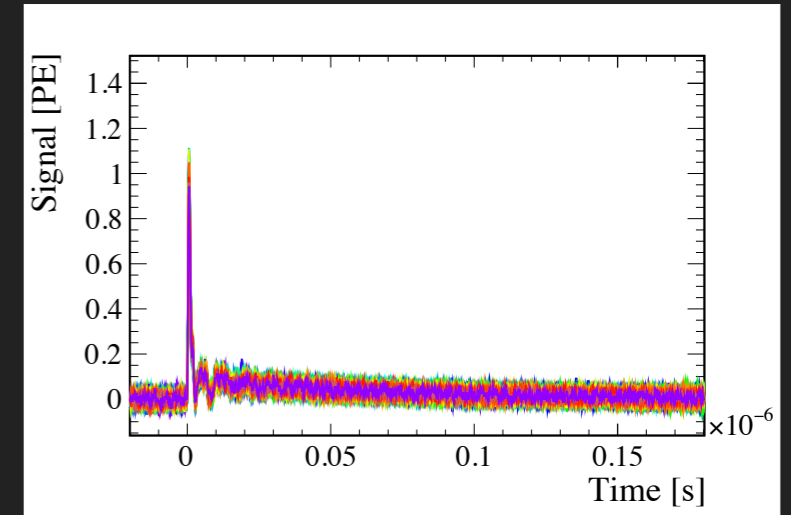
Carina Trippl, EPFL

SiPM Workshop: from fundamental research to industrial applications

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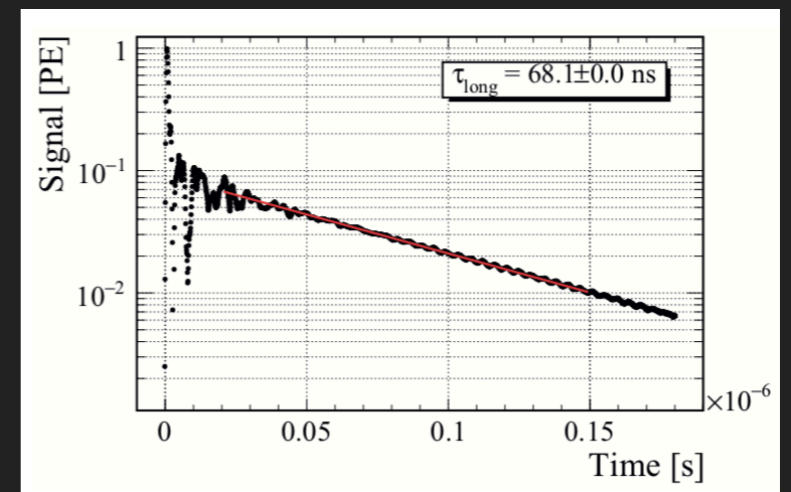
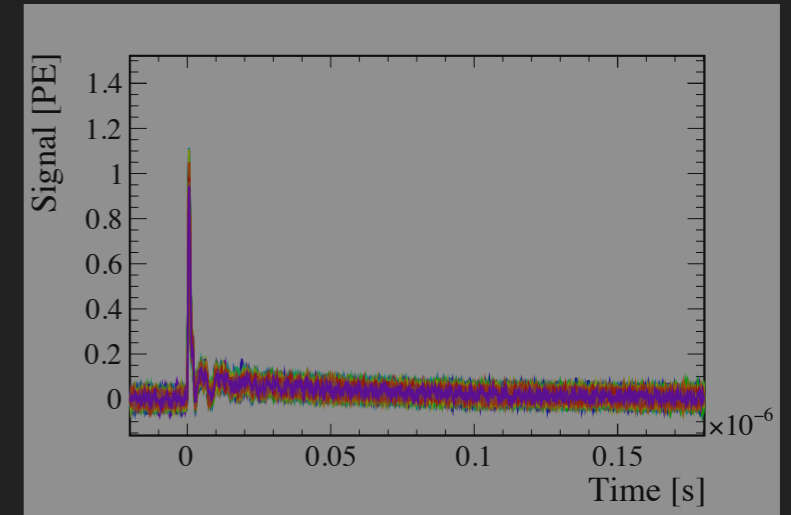
# Characterisation of SiPMs for LHCb SciFi Tracker

- Short time window used for single pulse waveform analysis to characterise correlated noise and time constants



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- Clean waveforms used to determine long pulse component time constant



# Characterisation of SiPMs for LHCb SciFi Tracker

- Short time window used for single pulse waveform analysis to characterise correlated noise and time constants
- Clean waveforms used to determine long pulse component time constant
- Recovery time determined with APs
- Overlap of 2000 events

