

Front End electronics for Photodetectors

Thursday 14 July 2016 14:00 (1h 30m)

Review of photodetectors model: APD, SPAD, SiPM. Front end electronics for photodetectors: input stage (charge amplifier, transimpedance, RF amplifiers), effect of interconnections. Optimal processing for timing: design considerations, filtering, TDC design, etc. Examples of readout ASICs for photodetection.

Summary

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Session Classification: Light detection