Sample Project: HIgh speed optical data transfer for high energy physics experiments

Code	EP1356
Programme	FCT
Department	EP
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Title

HIgh speed optical data transfer for high energy physics experiments

Description

Study and evaluation of high speed optical data transmission systems for high energy physics experiments. The candidate will develop test benches and proceduresfor 10Gbps and above data rates, and will characterize devices and systemsdeveloped in-house our sourcedfrom commercial suppliers. He/she will investigate in particular low power designs, low footprint packages and resistance to harsh environments.

Skills

Low and High Frequency Engineering: Photonic. Networks and Systems: Communication networks, Integrated circuits, Optical information networks

Disciplines

Applied Physics, Electronic Engineering

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