



High speed optical data transfer for high energy physics experiments

Code	EP1356
Programme	FCT
Department	EP
Responsible	39187 - Mr. Francois Vasey
Title	
High speed optical data transfer for high energy physics experiments	
Description	
<p>Study and evaluation of high speed optical data transmission systems for high energy physics experiments. The candidate will develop test benches and procedures for 10Gbps and above data rates, and will characterize devices and systems developed in-house or sourced from commercial suppliers. He/she will investigate in particular low power designs, low footprint packages and resistance to harsh environments.</p>	
Skills	
<p>Applied Physics: Data processing and transmission hardware, Optics, Radiation studies. Low and High Frequency Engineering: Photonic. Networks and Systems: Communication networks, Integrated circuits, Optical information networks</p>	
Disciplines	
Applied Physics, Electronic Engineering	

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