

# Trainee's Project Report

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| Job Code   | PH2942                  |
| Department | PH                      |
| Discipline | Electronics Engineering |
| Supervisor | VASEY Francois          |

## Description

Study and evaluation of high speed optical data transmission systems for high energy physics experiments. The candidate will develop test benches for 10Gbps and above data rates, and will investigate in particular low power designs, time or wavelength multiplexed systems and device resistance to harsh environments.

## Special Requirements

Knowledge of optical communication systems. Good experimental skills.

## Training Value

The candidate will get a first class opportunity to practice with state of the art optical communication systems and will make extensive use of high speed measurement techniques relying on sophisticated procedures and instruments.

