

First ECFA WORKSHOP.

Contribution ID: 102

Type: **Parallel session talk**

Dual Readout fiber calorimeter and crystal EM calorimeter for the IDEA detector

Thursday 6 October 2022 16:54 (18 minutes)

The status of the current R&D on an optical fiber based Dual Readout calorimeter will be discussed, including results from test beams at DESY and CERN. Plans for the construction of a new prototype with full containment of the hadronic shower will be shown.

A crystal EM calorimeter addition to the IDEA detector is also discussed, including both simulated performance improvements and future planned R&D.

Primary authors: BEDESCHI, Franco (INFN); LUCCHINI, Marco Toliman (Università & INFN, Milano-Bicocca (IT)); FERRARI, Roberto (INFN); Dr GAUDIO, Gabriella (INFN); Prof. SANTORO, Romualdo (Università dell'Insubria); VIVARELLI, Iacopo (Sussex University)

Presenter: VIVARELLI, Iacopo (Sussex University)

Session Classification: WG 3: R&D

Track Classification: WG3 - Detector R&D