

International Workshop on Breakdown Science and High Gradient Technology (HG2021)

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The CompactLight Design Study

Monday, 19 April 2021 08:30 (30 minutes)

Gerardo D'Auria - Elettra Sincrotrone Trieste - on behalf of the CompactLight Consortium

CompactLight (XLS) is a H2020 Design Study funded by the European Union under grant agreement 777431 and carried out by an International Collaboration of 26 partners and 5 third parties.

The project, started in January 2018 with a duration of 48 months, aims at designing an innovative, compact and cost-effective hard X-ray FEL facility, complemented by a soft X-ray source that can be operated up to 1 KHz pulse repetition rate, beyond today's state of the art, using the latest concepts for high brightness electron photoinjectors, very high gradient accelerating structures, and novel short period undulators.

The presentation will give an overview of the state of the project.

Summary

Presenter: D'AURIA, Gerardo (Elettra - Sincrotrone Trieste)

Session Classification: Session 1