

## THz@CLEAR

7 November 2017 CERN

Europe/Zurich timezone

Search...



## Overview

Timetable

Speaker List

Registration

Participant List

Getting to CERN

Accommodation

We are happy to welcome you at CERN for a one-day event on THz applications on the CLEAR facility. The main goals for the day are to review the possible applications of THz radiation on the CLEAR test facility and to discuss a realistic plan for beam-related tests on CLEAR in 2018.

The agenda of the event will be organised in 3 sessions:

- 1- Presentation of the facility
- 2- State of the art in THz applications, THz generation (including simulation tool) and THz detection techniques
- 3- Current and futur beam tests on CLEAR followed by a general discussion on the plans for beam tests in 2018 and a visit of the CLEAR facility

Tue 07/11 Go back | Print

09:00	Presentation of the CLEAR facility	Davide Gambi
	6-2-024 - BE Auditorium Meyrin, CERN	09:00 - 09:20
	Presentation of the LEETCHI facility	Kevin Pepiton
	6-2-024 - BE Auditorium Meyrin, CERN	09:30 - 09:51
10:00	An overview of THz applications	Prof. Frederic Gare
	6-2-024 - BE Auditorium Meyrin, CERN	10:00 - 10:20
	Superradiant Transition and Diffraction radiation in the THz Region	Alexander Potylitsy
	6-2-024 - BE Auditorium Meyrin, CERN	10:30 - 10:50
11:00	Coffee Break	
	6-2-024 - BE Auditorium Meyrin, CERN	11:00 - 11:2
	Smith-Purcell radiation in the THz regime	Dr. Jacques Gardell
	6-2-024 - BE Auditonium Meyrin, CERN	11:30 - 11:50
12:00		
	Simulations of Diffraction and Cherenkov radiation using Magic and Particle studio  6-2-024 - BE Auditorium Meyrin, CERN	Dr. Jacques Gardell 12:00 - 12:10
	Lunch	
13:00		
	To be confirmed, CERN	12:15 - 14:0
14:00	Corrugated mm-scale capillary as compact accelerator and beam diagnostics	Dr. Konstantin Lekomste
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