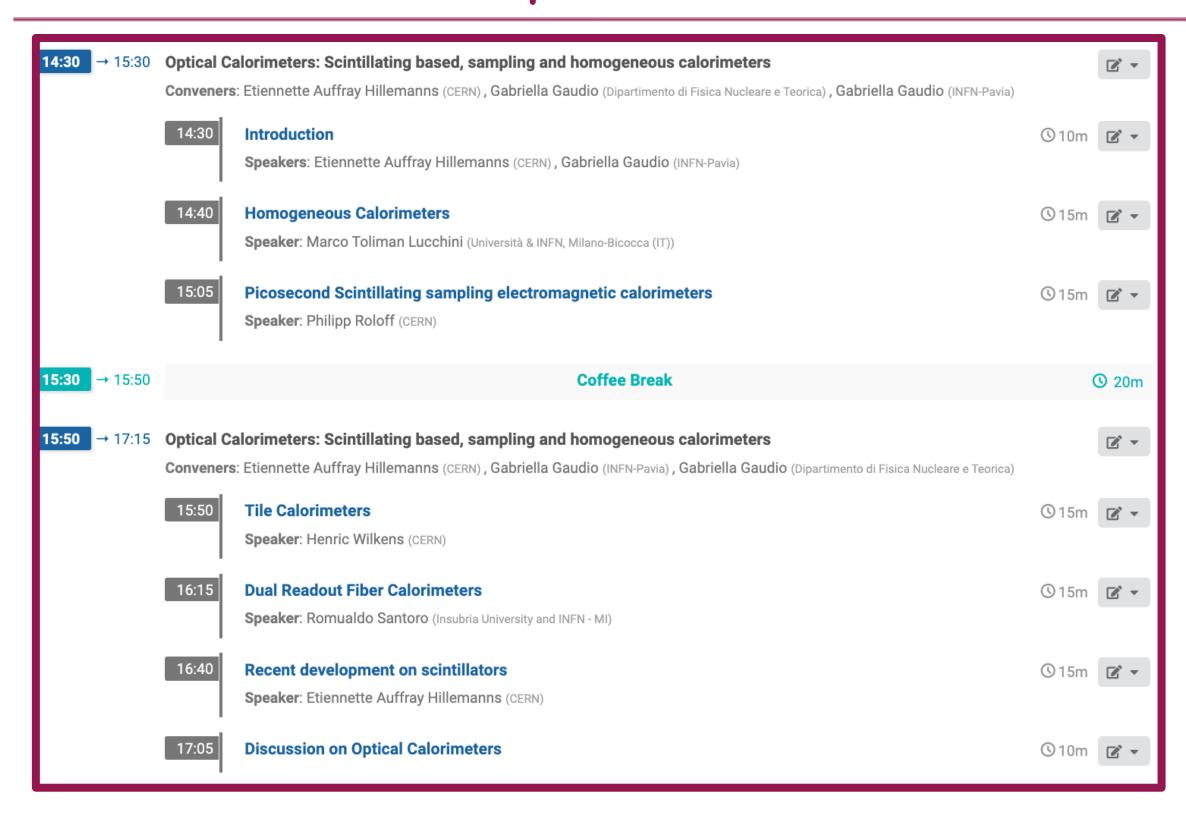


ECFA Detector R&D Roadmap Implementation DRD Calorimetry

Optical Calorimetry

E. Auffray-Hillemanns, G.Gaudio

Optical Calorimeter Session

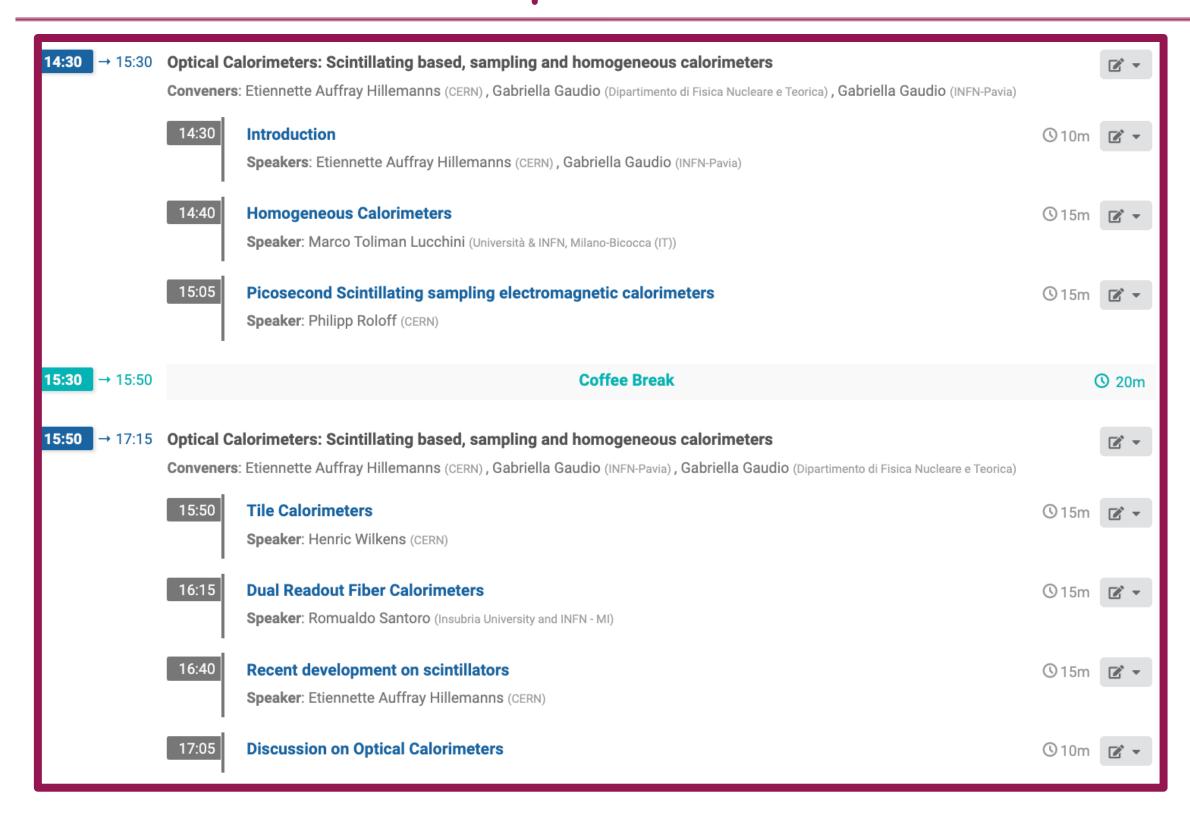


"Optical calorimeter" =

any calorimeter in which signals mainly come from collection of photons produced in the particle interaction.

- Synergy/overlap with other calorimeter types
- Synergy with photodetector and readout electronics development needed

Optical Calorimeter Session

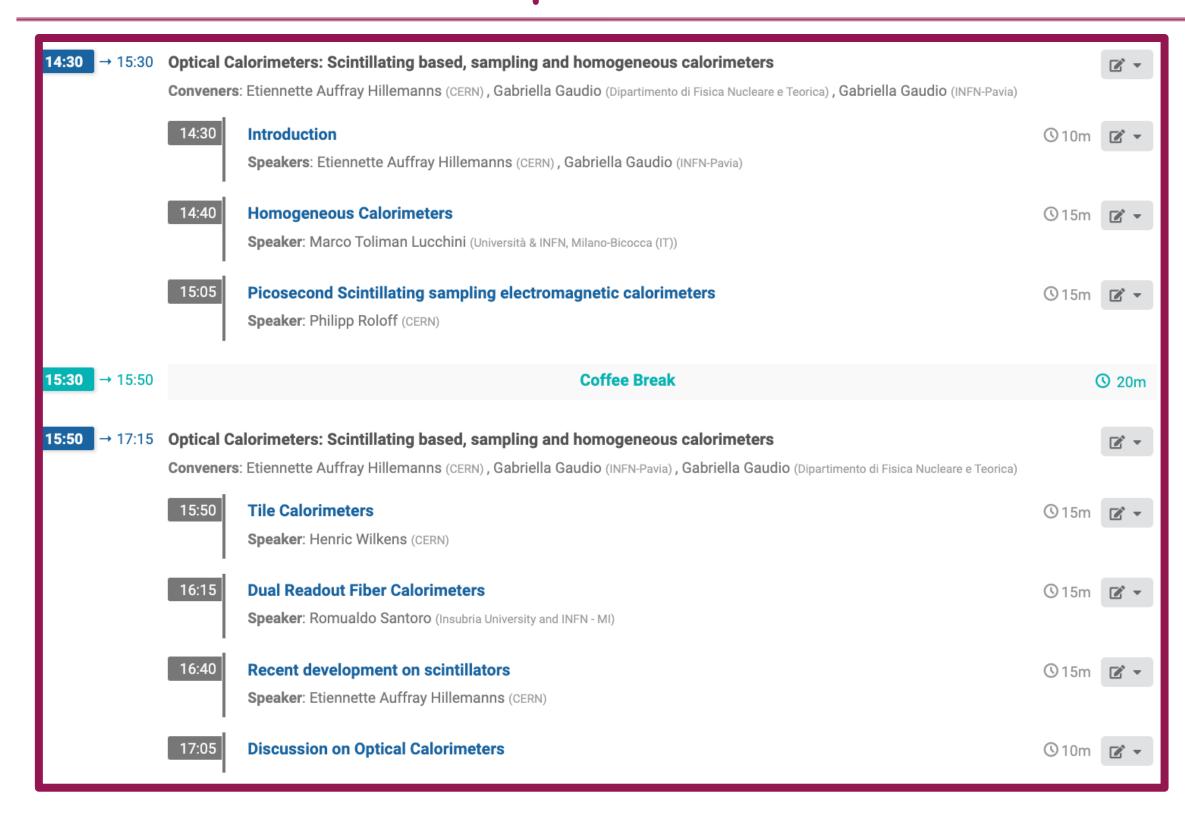


Session organized following two main directions:

- Concept of different techniques
- homogeneous
- sampling (fibre and tile)
- "double" sampling (DR)

- Development of scintillation materials to improve detector performance

Optical Calorimeter Session



Goal of today meeting:

Attempt to collect the overview of requested R&D needed in the ~5 next years in various technologies

- ◆ It may be not exhaustive
- ♦ It is not all settle down
- Large margin for discussion after each talk - your input is fundamental