



# CLICdp Institute Board Report

Closing Accelerator / Detector & Physics Plenary session  
CLIC week, 10 March 2017

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Aidan Robson

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# CLICdp Collaboration

CLICdp:

29 institutes from 18 countries

~180 members

Newly joined institutes since CLIC Workshop 2016:

University of Edinburgh, Scotland

Representative: Victoria Martin

Abant Izzet Baysal University (AIBU)

Bolu, Turkey

Representative: Haluk Denizli

***Welcome to our new collaborators!***





# New theory/pheno contact

CERN Theory Department recently appointed CLIC theory/phenomenology contact person:

***Andrea Wulzer (EPFL, CERN, Padua)***

We have greatly benefitted from the involvement of CERN theory group, e.g. Gian Giudice and James Wells

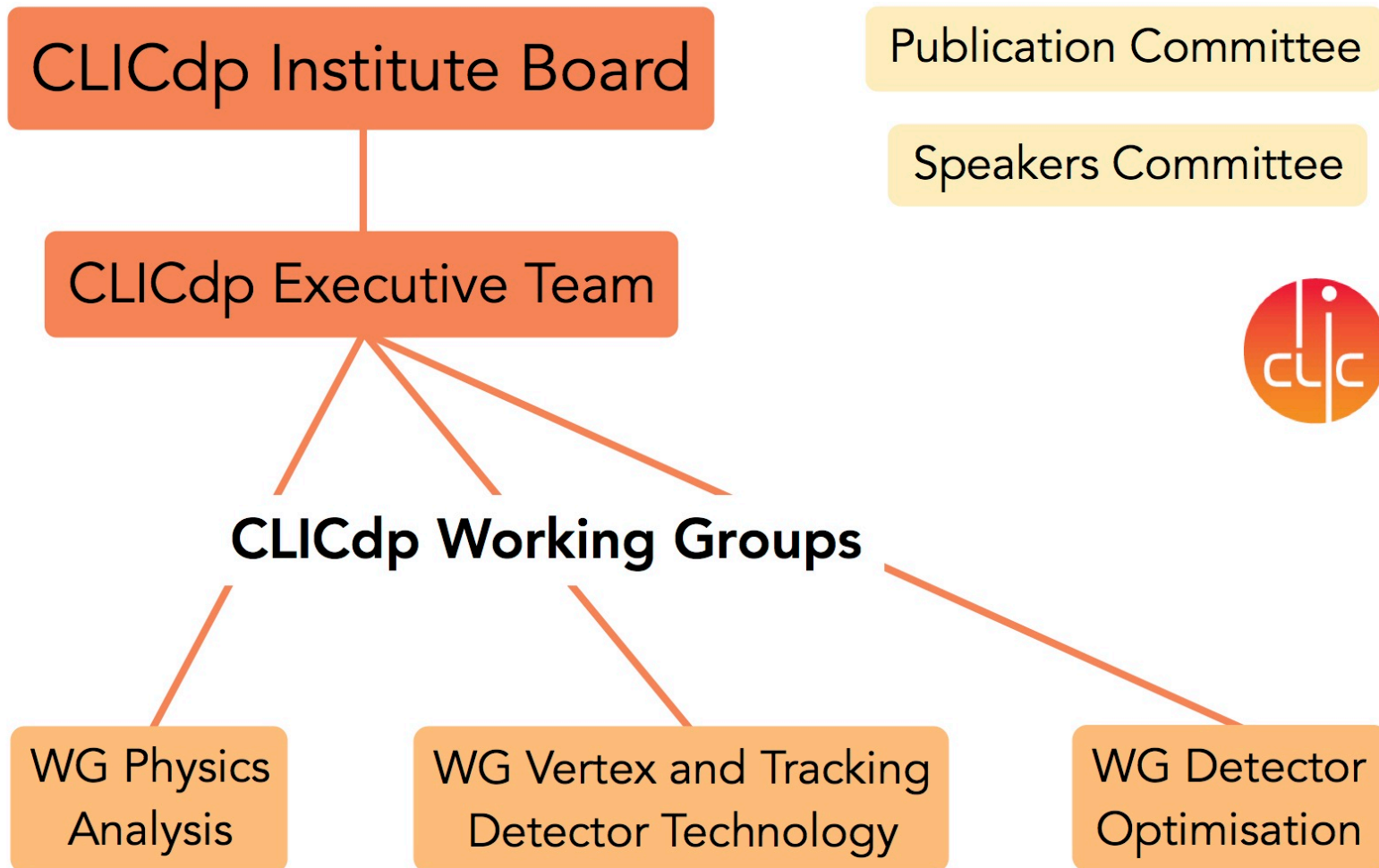
← still active and member of Executive Team!

***– Andrea is a very welcome reinforcement to prepare the CLIC physics case!***





# CLICdp Collaboration





# CLICdp Collaboration

CLICdp Institute Board

Publication Committee

Speakers Committee

CLICdp Executive Team

**2-yearly chair election soon**

**Updates at IB meeting 9/3/17**

**Spokesperson election in late 2017**

**CLICdp Working Groups**

WG Physics Analysis

WG Physics Potential \*

(\* name TBC)

will comprise units covering different pheno aspects

WG Vertex and Tracking Detector Technology

WG Detector Optimisation and Validation



# CLICdp review

To help prepare input to European Strategy (deadline end 2018), an external review of CLICdp is proposed, end 2017 / early 2018.

Similar review took place in 2011 for CDR

(Stefan Solnder-Rembold (chair), Philip Bambade, Giovanni Batignani, Brigitte Bloch-Devaux, Daniel Elvira, Philippe Farthouat, Paul Grannis, Marian Ivanov, Richard Nickerson, Arnulf Quadt, Rob Roser, Nobu Toge, Yifang Wang, Pippa Wells, Hitoshi Yamamoto)

Suggested mandate for the 2017/18 review:



- feedback on our ongoing physics and detector studies
- feedback on how to present CLIC at the European Strategy and strengthen the physics case

***Proposal endorsed by IB, will proceed with detailed planning***



# CLICdp documents in preparation for European Strategy Update

## CLICdp reports serving as ingredients for a **CLIC summary report**:

- Updated Baseline for a Staged Compact Linear Collider (380 GeV, 1.5 TeV, 3 TeV) ✓
  - [arXiv:1608.07537](https://arxiv.org/abs/1608.07537), [CERN-2016-004](https://cds.cern.ch/record/2016004)
- Higgs Physics at the CLIC Electron-Positron Linear Collider ✓  Resubmitted to journal addressing referee comments, just before this w/s
- The new optimised CLIC detector model CLICdet ✓✓  Editorial team being assembled
  - CLICdp note [CLICdp\\_Note\\_2017\\_001](#) (detector/SW validation in progress)
- An overview of CLIC top physics
  - CLIC top physics publication => complete draft before the end of 2017
- Extended BSM studies (hopefully also motivated by LHC discoveries)
  - CLIC BSM overview publication in 2018
- CLIC R&D report => with main CLIC technology demonstrators
  - Summary publication(s) in 2018
- Plan for the period ~2019-2025 in case CLIC would be supported by next strategy



# Next CLICdp collaboration meeting

CLICdp 2-day meeting planned for 29–30 August at CERN

