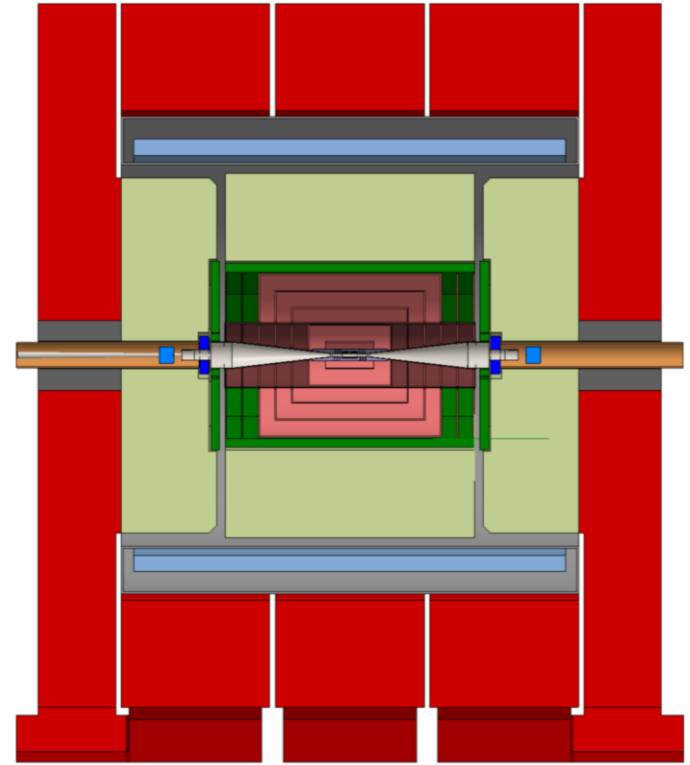
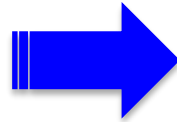
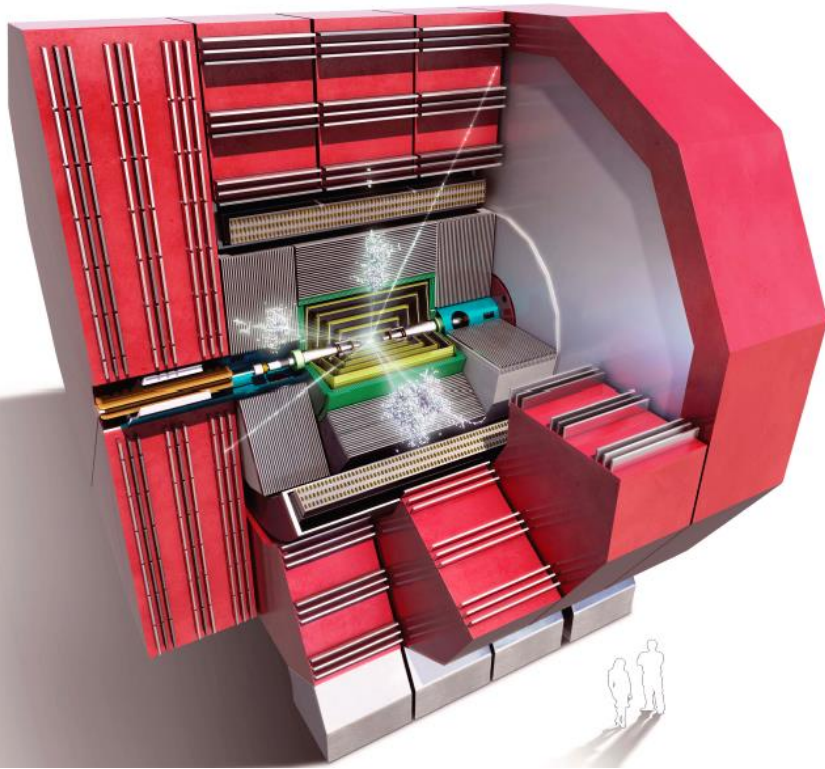


# General news

CLICdp monthly meeting August 3<sup>rd</sup> 2015



# Outline



- Recent organisational changes
- CLIC status in the CERN medium-term plan
- LCWS15 preparations
- Staying tuned on LHC data....
- New vertex assembly: Silicon sensor + CLICpix

# Recent organisational changes



## June 2015:

- **John Marshall** is a co-convener of the CLICdp Analysis working group
- **Frank Simon** represents CLICdp in the LCC executive board for physics and detectors

## July 2015:

- **Aidan Robson** is the new chair of the CLIC institute board, following election by the IB members
- **Warsaw University** has joined CLICdp as the 26<sup>th</sup> institute, with **Filip Zarnecki** at the representative in the IB
- **Naomi van der Kolk** is a member of the CLICdp Speakers Committee



## **CERN medium-term plan (MTP), covering 5 years:**

- Draft MTP presented to CERN scientific committee (SPC) and council in **June**
- **Approval** is due in **September**

The draft MTP now contains the full cost estimate of HL-LHC and corresponding CERN contribution to the LHC experiment upgrades (LS3).

Upon request by council, in this draft MTP CERN reduces its cumulative budget deficit in the coming year.

⇒ budget limitations in several areas (consolidation, FCC, CLIC, ISOLDE upgrades, fellows, etc) (total 5-year reduction in LC accelerator part at level of ~7%, mostly applied to ≥2018; detector budget is preserved 😊)

## **The position of CLIC (linear collider) in the CERN MTP is unchanged**

- Preparation of a CLIC document for the next European strategy update (2018/2019)
- Choice between FCC and CLIC to be made at the next European strategy update
- FCC and CLIC fuse into a common “Energy frontier” budget line from 2020

# LCWS15 preparations



## LCWS15

<http://agenda.linearcollider.org/event/6662/>

<http://lcws15.triumf.ca/>

Whistler, British Columbia, Canada

November 1-6

Several CLICdp members in the organising committee (Phil Burrows, Aidan Robson, Philipp Roloff, Harry Weerts)

Parallel session conveners for physics/detectors are currently being appointed

## Plans for CLIC-related sessions at LCWS15:

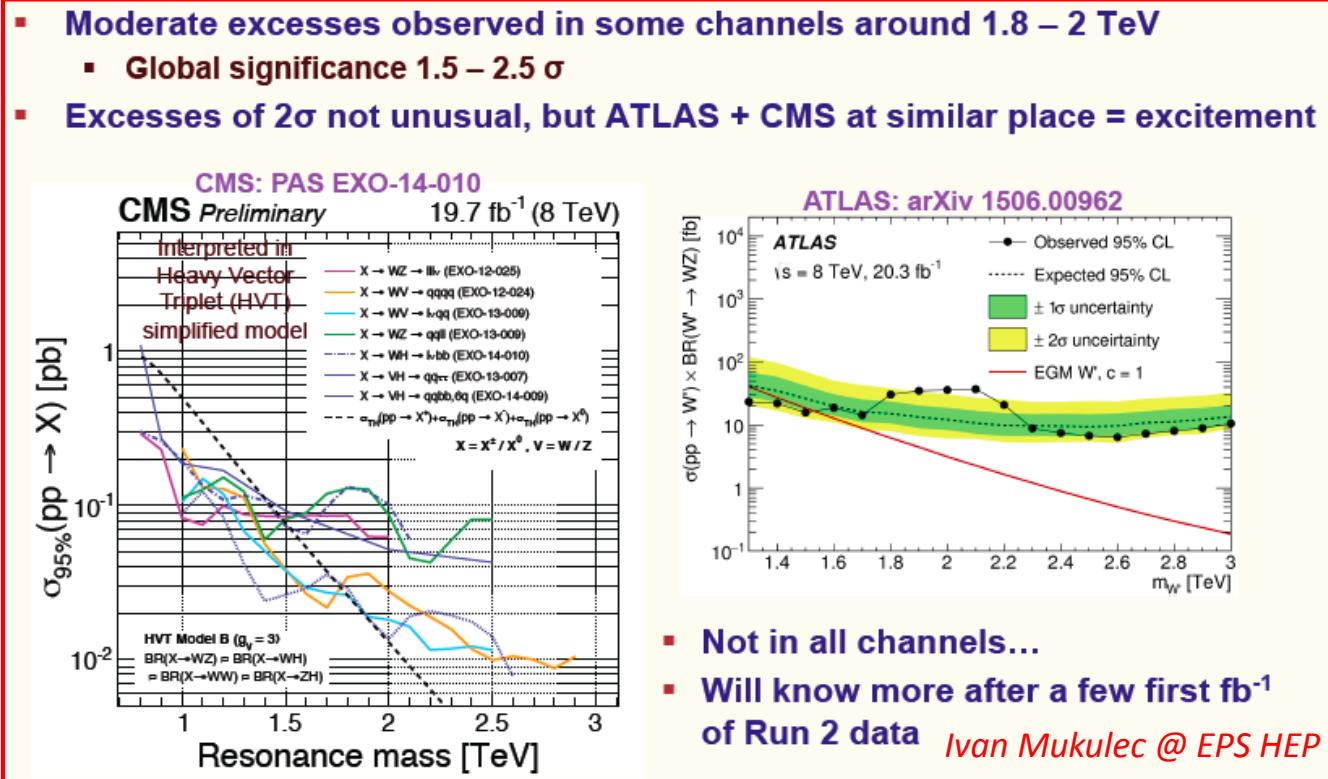
- **Dedicated CLICdp session** of ~1.5 hr
- CLIC session dedicated to the **preparations for the 2018 CLIC document**
  - Technical scope
  - Structure of the document (and its supporting technical notes)
  - Plans for the years  $\geq 2019$  in case CLIC would be selected

# CLICdp to stay tuned on 13/14 TeV LHC data...



With the 13/14 TeV run of LHC, new input may arrive for CLIC physics studies. We have to be ready to react with related CLIC physics studies.

For the moment, only minimal signs from LHC 7/8 TeV LHC, e.g. possible diboson signal around 2 TeV.



See: Z' study at CLIC by J-J. Blaising and J.D. Wells; arXiv:1208.1148, LCD-note-2012-009



# first silicon sensor bonded to CLICpix

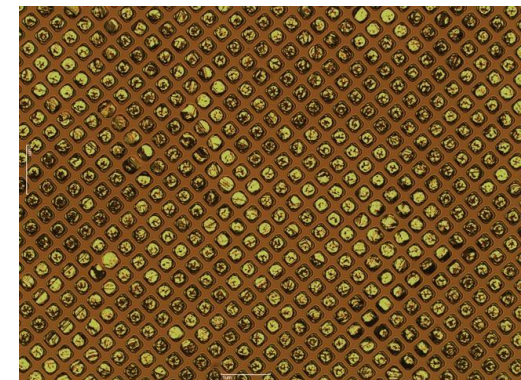
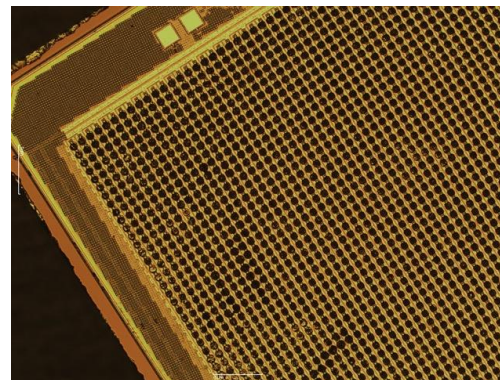
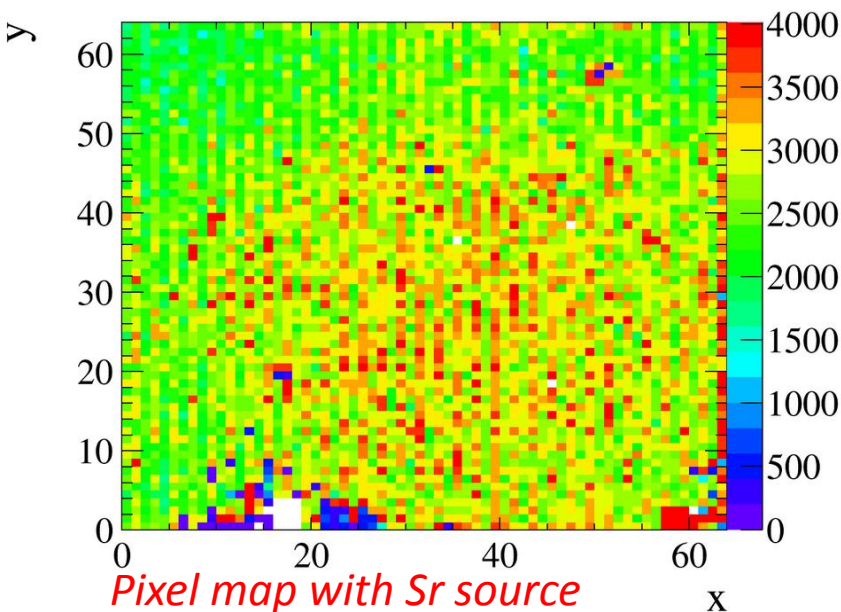
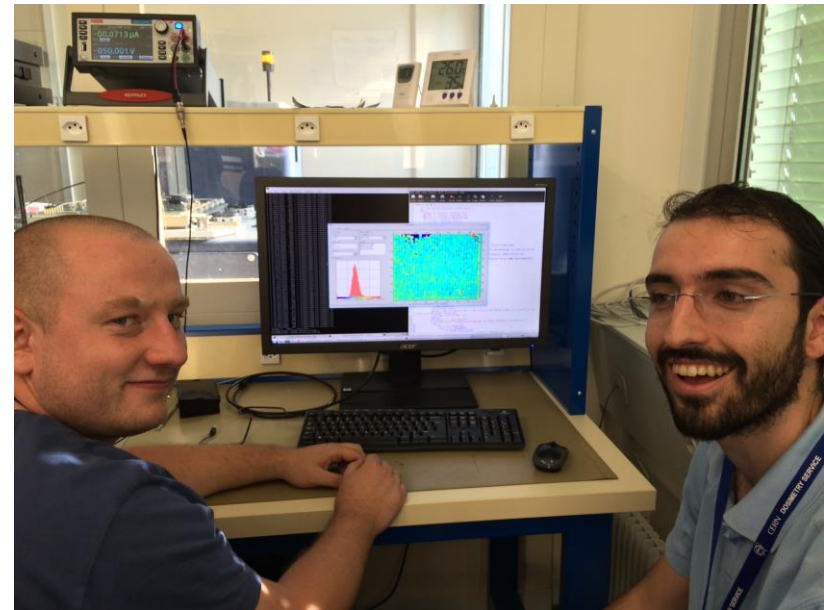


A very small device ( $\sim 3 \times 3 \text{ mm}^2$ ), but an important step in our pixel R&D.....

We received 3 (4) **bump-bonded pixel assemblies** of CLICpix ASICs with  $200 \mu\text{m}$  Si sensors, n-on-p.

Bump-bonding with  $25 \mu\text{m}$  pitch, carried out by SLAC.

The devices are of varying quality, but seem to function!



ASIC  $\uparrow$  25  $\mu\text{m}$  bonding process  $\uparrow$  Sensor

**No report from the Speakers Committee at this meeting**

**Visit their web page the updates list of workshop/conferences:**  
<https://twiki.cern.ch/twiki/bin/view/CLIC/UpcomingConferences>

**Good progress with our CLIC Higgs paper**

See nightly build:

<http://proloff.web.cern.ch/proloff/clichiggspaper/>

*Only very few loose ends left.....*

# THANK YOU !