# CLICdp PubCom report

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# Report

- Changed CLIC-DP-…. ➔ CLICdp-….
- 1st meeting of PubCom – Nov 5, 2013

**Discussed submission instructions**

- Line numbering
- '**On behalf of the CLIC detector and physics (CLICdp) collaboration**' – below author name(s)
- Footnote with conference information – in title page
- Submit at least nine days before deadline
- After approval – remove line numbers

# Status of submissions

| Draft | Title | Author | Conf/ Type | Date sub. | 1st read | Ap. | CLICdp- |
|---|---|---|---|---|---|---|---|
| 2013-001 | **Higgs couplings CLIC** | Lastovicka, T | EPS 2013 | 07/10 2013 | AL | UU | Conf-2013-002 |
| 2013-002 | **Physics highlight ILC & CLIC** | Lukic, S | Gomel 2013 | 16/10 2013 | AL | PB | Conf-2013-001 |
| 2013-003 | **Prototype hybrid pixel ASIC** | Valerio, P et al. | TWEPP 2013 | 03/11 2013 | WK | AL | Conf-2013 004 |
| 2013-004 | **ILCDIRAC** | Grefe, C et al. | CHEP 2013 | 01/11 2013 | AL | LL | Conf-2013-003 |
| 2013-005 | Power pulsing for vtx det @ CLIC | Blanchot, G et al. | TWEPP 2013 | 04/11 2013 | LL | DS | Conf-2013-005 |
| 2013-006 | **VertexDetector R&D for CLIC** | Dannheim, D | IPRD 2013 | 10/12 2013 | AL | AL | Conf-2013-006 |
| 2014-001 | **σe+e−→Hveve × BRH→Zγ** | Sicking, E Grefe, C | Note | 23/01 2014 | LL | | |
| 2014-002 | **Top Yukawa coupling, ttH** | Redford, Roloff, Vogel | Note | 31/01 2014 | LL | | |

# Stamping

- Will have automatic “stamping” on upper right-hand side of title page.
- PubCom will make sure that corner is free for the stamp.
- Untill automatisation starts, need to stamp manually all documents submitted so far.

# Example

**CLICdp-Note-2014-NNN**
**January 23, 2014**

CERN - European Organization for Nuclear Research

Measurement of σe+e−→Hveve × BRH→Zγ
at a 1.4 TeV Compact Linear Collider

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* CERN, Switzerland

**Abstract**

2 We present a benchmark study of the cross section times branching ratio measure-
3 ment σe+e−→Hveve × BRH→Zγ evaluated at a 1.4 TeV e+e− Compact Linear Col-
4 lider (CLIC) using the CLIC SiD CDR detector model. The study is based on a
5 full GEANT4 detector simulation and reconstruction of signal and background pro-
6 cesses including γγ → hadrons background events. The combined statistical preci-
7 sion of σe+e−→Hveve ×BRH→Zγ including the Z decay channels Z → qq, Z → e+e−,
8 and Z → μ+μ− for an integrated luminosity of 1.5 ab−1 is estimated to be 47 %.

# Figures

- Use CLICdp style. Look at open svn repository

https://svnweb.cern.ch/trac/clicdet/browser/trunk/doc/CLICStyle

- README file describing how to use it.
- In rootstyle → examples.
- Also in CLICCDRPlots.pdf are examples.
- Recommend to label figures with CLICdp or CLIC. Use your judgment which of the figures to stamp with the label.

**Example: Graph**

```
TGraphErrors *gr
gr→SetFillColor(kWhite)
gr→SetMarkerColor(color)
gr→SetLineColor(color)
gr→SetMarkerStyle(24)
gr→SetTitle("no cut")
gr→GetXaxis()→SetTitle("E_jet [GeV]")
gr→GetYaxis()→SetTitle("rms_90/mean_90 [%]")

TCanvas *c1=new TCanvas("c1","c1")
gr→Draw("AP")
TLegend *leg=gPad→BuildLegend(0.6,0.7,0.8,0.9,"CLIC_ILD")
leg→SetTextSize(0.05)
```

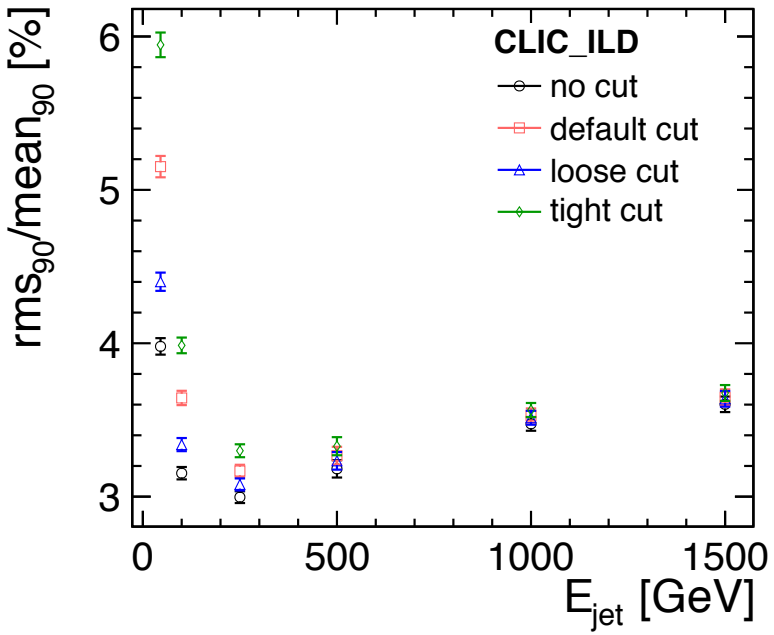


Figure 1: Example for a graph

**Example: Histogram**

```
TH1F *histo
TLegend *leg=new TLegend(0.2,0.6,0.5,0.9,"CLIC_ILD")
histo→GetXaxis()→SetTitle("Energy [GeV]")
histo→GetYaxis()→SetTitle("Entries [GeV]")
histo→SetTitle("No cut")
leg→AddEntry(histo,"","l")
leg→SetTextSize(0.05)
```

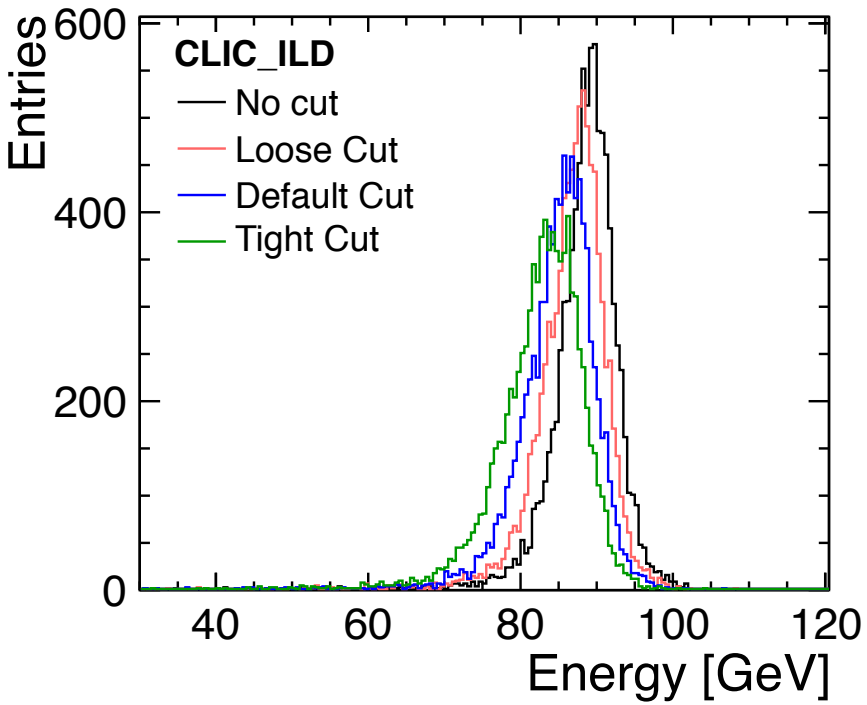


Figure 2: Example for a histogram

# CLICdp web page

- **Some basic instruction will apear on the CLICdp web page – to come soon.**