

Miscellanea

Radiation Protection

- Radiation protection at CERN <http://cas.web.cern.ch/cas/Bilbao-2011/Lectures/Vincke.pdf>

Physics

- Origin of ordinary mass
 - ◆ http://web.mit.edu/physics/news/physicsatmit/physicsatmit_03_wilczek_originofmass.pdf
 - ◆ <http://www.slac.stanford.edu/econf/C040802/papers/L010.PDF>
 - ◆ http://www.grs-sim.de/cms/upload/Workshop/fodor_iss.pdf

Sensors and Detectors

- My detector bibliography
http://venturi.home.cern.ch/venturi/bibliographies/detector_bibliography.htm

Silicon Sensors

- M. Moll's thesis <http://mmoll.web.cern.ch/mmoll/thesis/>
- Christian Barth's thesis <http://inspirehep.net/record/1339779?ln=en>
- Marko Dragicevic's thesis <http://inspirehep.net/record/886987/files/CERN-THESIS-2010-093.pdf>
- Tilman's talk at pixel module (2015-07-14)
<https://indico.cern.ch/event/396769/contribution/11/attachments/1125770/1607145/2015-07-14-senor-qualification.pdf>
- 3D sensor simulations (2015-07-16)
https://indico.cern.ch/event/404049/contribution/1/attachments/1126969/1609616/16Jul15CMS_TrackerWeek3Dsimulations.pdf
- Surface damage simulation
<https://indico.cern.ch/event/404049/contribution/2/attachments/1127091/1609541/Ranjeet-Tracker-week.pdf>
- Morris's talk on new template calibration analysis
https://indico.cern.ch/event/386910/session/4/contribution/6/attachments/772744/1059806/template_calibration.pdf
- Morris's talk on E-field measurement and 2015 data
<https://indico.cern.ch/event/394146/#preview:1616480>
- BaBar SVT
<http://www.slac.stanford.edu/BFROOT/www/Organization/Gilchriese/Svt/SvtGilchrieseTalk.pdf>

Readout and Noise of Silicon Sensors

- Mark Raymond's useful talks <http://www.hep.ph.ic.ac.uk/~dmray/Tracker.html>
- Noise correlation in CRACK
https://indico.cern.ch/event/22540/session/1/contribution/1/attachments/370470/515489/CRack_NoiseCorr2009.pdf
- Noise correlation in Silicon Sensors [http://dx.doi.org/10.1016/0168-9002\(91\)90260-W](http://dx.doi.org/10.1016/0168-9002(91)90260-W)

Cooling

- Bioblography page

INFN

CSN1

- Riunioni Commissione <https://agenda.infn.it/categoryDisplay.py?categId=687>
- Referee LHC <https://agenda.infn.it/categoryDisplay.py?categId=686>

LHC

Commissioning and Plans

- Commissioning and Plans <http://lhc-commissioning.web.cern.ch/lhc-commissioning/>
- LPC meetings

HL-LHC

- 5th Joint HiLumi LHC-LARP Annual Meeting 2015 <https://indico.cern.ch/event/400665/overview>
 - ◆ Overview HL-LHC risks by H. Burkhardt
https://indico.cern.ch/event/400665/session/2/contribution/28/attachments/1178500/1705009/HL_LHC

CMS

General

- Talk about CMS by D. Denegri
<https://indico.cern.ch/event/89312/session/0/contribution/3/material/slides/1.pdf>

Management meetings

- XEB <https://indico.cern.ch/category/1220/>
- WGM <https://indico.cern.ch/category/677/>
- Management Board <https://indico.cern.ch/category/223/>
- Collaboration Board <https://indico.cern.ch/category/174/>
- Meeting with LHCC referees <https://indico.cern.ch/category/220/>
- LHCC meetings <https://indico.cern.ch/category/3427/>
 - ◆ Closed sessions <https://indico.cern.ch/category/3428/>
- RRB <https://indico.cern.ch/category/852/>

Weeks

- Offline and Computing <https://indico.cern.ch/category/1382/>
 - ◆ Spring 2015 <https://indico.cern.ch/event/368377/>

Public Results

- CINCO <https://cms-mgt-conferences.web.cern.ch/cms-mgt-conferences/>
- CMS Approved results <https://twiki.cern.ch/twiki/bin/view/CMSPublic/PhysicsResults>
 - ◆ Luminosity [CMSPublic/LumiPublicResults](https://twiki.cern.ch/twiki/bin/view/CMSPublic/LumiPublicResults)
- Upgrade
 - ◆ Tracker phase 2 upgrade share point
<https://espace.cern.ch/Tracker-Upgrade/SitePages/Home.aspx>
 - ◆ Primary Vertex performance studies for upgrade
<https://indico.cern.ch/event/389011/contribution/7/material/slides/0.pdf>

Reviews, Reports, Workshops

Detector

- Pixel and BRIL 2015 installation review <https://indico.cern.ch/event/349977/>
- L1 Trigger review March 2015 <https://indico.cern.ch/event/378714/>,
<https://indico.cern.ch/event/378656/>

Offline/Software

- CSA14 Report <https://indico.cern.ch/event/342945/>

Upgrades

- Tracker upgrade status report at Aug 2015 CMS MB
<https://indico.cern.ch/event/440449/contribution/15/attachments/1146836/1644987/CMS.MB.Tracker.Upgrade>

Phase 1

Pixel

- Phase 1 Pixel Upgrade TDR DOCDB [CDS](#)
 - ◆ Pictures
 - ◇ <https://cds.cern.ch/record/2243068>
 - ◇ <http://cds.cern.ch/record/2220484>
 - ◆ D. Pitzl Seminar https://www-zeuthen.desy.de/technisches_seminar/texte/detsemZ2.pdf
 - ◆ Johanna Renner's thesis
<https://ekp-invenio.physik.uni-karlsruhe.de/record/48617/files/EKP-2015-00016.pdf>
 - ◆ Status report at March 2015 LHCC
<https://indico.cern.ch/event/373276/contribution/3/material/slides/2.pdf>
 - ◆ Visegrad workshop <https://indico.cern.ch/event/368934/other-view?view=standard>
 - ◇ Installation plans
<https://indico.cern.ch/event/368934/session/16/contribution/43/attachments/733894/1006935/>
 - ◆ MPR <https://indico.cern.ch/event/385069/>
 - ◆ Description of phase 1 pixel detector by Beat
http://www.nikhef.nl/pub/conferences/Vertex2009/talks/Meier_vertex2009.pdf
 - ◆ Services espace web site
https://espace.cern.ch/cms-tracker-engineering/Phase1_services/SitePages/Home.aspx
 - ◆ April 2016 MPR <https://indico.cern.ch/event/520167/>
 - ◆ BPIX module meeting: test beam and high rate tests <https://indico.cern.ch/event/535987/>
 - ◆ Cooling tests
https://indico.cern.ch/event/295983/contributions/674682/attachments/554821/764406/BPix_Thermal_
 - ◆ DCDC converters
 - ◇ FEAST datasheet [CDS](#)
- Phase 1 L1 Trigger Upgrade TDR DOCDB [CDS](#)
 - ◆ Status report at March 2015 MB
<https://indico.cern.ch/event/382883/contribution/1/material/slides/1.pdf>
- Phase 1 HCAL Upgrade TDR <https://cds.cern.ch/record/1481837>
 - ◆ Status report at March 2015 MB
<https://indico.cern.ch/event/382883/contribution/13/material/slides/0.pdf>

Phase 2

- Technical Proposal <http://cds.cern.ch/record/2020886>
- Scope Document <https://cds.cern.ch/record/2055167/files/LHCC-G-165.pdf>
- Tracker upgrade TDR <https://cds.cern.ch/record/2272264>
- Tracker phase 2 upgrade share point <https://espace.cern.ch/Tracker-Upgrade/SitePages/Home.aspx>
 - ◆ Duccio's seminar <https://indico.cern.ch/event/438184/>
 - ◆ Phase 2 MB about institute interests (I) <https://indico.cern.ch/event/390070/>
 - ◆ Phase 2 MB about institute interests (II) <https://indico.cern.ch/event/390083/>
 - ◆ L1 Tracking
 - ◇ tkLayout useful results about Tracker Trigger performance
http://cms-tklayout.web.cern.ch/cms-tklayout/layouts/repository-git-dev/Baseline_flat/triggerF
 - ◇ Stub width tuning by Seb
http://sviret.web.cern.ch/sviret/docs/CMS/SLHC/L1TT_XX1215.pdf
- EC review panel conclusions
<https://cms-docdb.cern.ch/cgi-bin/DocDB/ShowDocument?docid=12621>
<https://cms-docdb.cern.ch/cgi-bin/DocDB/ShowDocument?docid=12622>
- RD53 rad hardness results <https://indico.cern.ch/event/392299/contribution/1/material/slides/0.pdf>
- 2016 Comprehensive review <https://indico.cern.ch/event/535547/other-view?view=cms>

Relevant meetings

- Weeks
 - ◆ Upgrade session in Lisbon Sept 2012 <https://indico.cern.ch/event/204705/>

Reconstruction and Analysis

Tracking

- TRK-11-001 <http://dx.doi.org/10.1088/1748-0221/9/10/P10009>
- Run1 vs Run2 reconstruction
<https://indico.cern.ch/event/387873/session/0/contribution/0/material/slides/0.pdf>

Calo and JETMET

- ECAL calibration paper <https://cds.cern.ch/record/1554142?ln=en>
- PUPPI <https://cds.cern.ch/record/1751454?ln=en>

Projects

Offline/Computing

- Status at March 2015 LHCC meeting
<https://indico.cern.ch/event/376450/contribution/0/2/material/slides/1.pdf>
- Multi-threading <https://indico.cern.ch/event/258092/session/7/contribution/93/material/slides/0.pdf>

DAQ

- Description of DAQ2
http://cms.cern.ch/iCMS/jsp/db_notes/showNoteDetails.jsp?noteID=CMS%20CR-2014/082

BRIL

- Short BRIL description from DESY <http://cms.desy.de/e53612/e155175/e155176/>
- Slides for CSN1 talk
https://www.dropbox.com/s/3w5rqb2ia4koj95/BRIL_Overview_Andrea.pptx?dl=0
- Background and BRIL at the Tracker R2RR
<https://indico.cern.ch/event/382250/contribution/3/material/slides/1.pdf>
- New BRIL thresholds in 2016 <https://edms.cern.ch/document/1611082/1/TAB3>
- Another BRIL description
<https://indico.cern.ch/event/395619/session/2/contribution/9/attachments/1125471/1606594/Bril4Tracker.pdf>

Trigger

- TSG status at the beginning of Run 2
<https://indico.cern.ch/event/382716/contribution/1/material/slides/0.pdf>
- TSG report in Miami Dec 2014
<https://indico.cern.ch/event/354039/session/10/contribution/180/material/slides/0.pptx>
- March 2015 Trigger workshop <https://indico.cern.ch/event/369328/>

Tracker

Meetings

- Tracker weeks <https://indico.cern.ch/category/1080/>
- Tracker meetings during CMS weeks <https://indico.cern.ch/category/67/>

Longevity

- Frank's talk in Lisbon
<https://indico.cern.ch/event/204705/session/3/contribution/9/material/slides/1.pdf>
- Gino's talk about pixel temperature
<https://indico.cern.ch/event/304598/contribution/3/material/slides/1.pdf>

Reviews

- Before Run 2 safety review <https://indico.cern.ch/event/323403/>
- Before Run 2 cooling safety review <https://indico.cern.ch/event/333497/>
- Tracker talk at TC workshop 2015
https://indico.cern.ch/event/398921/contribution/4/attachments/799280/1095539/TC_workshop_12-Jun-15.pdf
- 2015 Lesson Learned <https://indico.cern.ch/event/483930/>
- 2016 Readiness Review <https://indico.cern.ch/event/506192/>

Electronics

- APV25 <http://www.sciencedirect.com/science/article/pii/S0168900201005897>
- APV25: Mark's talk http://www.hep.ph.ic.ac.uk/~dmray/pdf/FILES/APV25s0_talk.pdf
- APV25 radiation hardness
<https://workspace.imperial.ac.uk/highenergyphysics/Public/theses/Noah.pdf>
- Strip module QA
https://indico.cern.ch/event/448602/contribution/3/attachments/1183935/1715796/20151109_ExperienceFrom
- Strip Tracker FED <http://arxiv.org/pdf/physics/0510229.pdf>
- APVe
http://www.researchgate.net/publication/251589711_The_APVE_emulator_to_prevent_front-end_buffer_over
- Pixel FED http://www.hephy.at/fileadmin/user_upload/Publikationen/twepp07_pixelfed.pdf
- PSI46dig DAC settings CMS/Psi46dig

- PSI46 <https://cms-docdb.cern.ch/cgi-bin/DocDB/ShowDocument?docid=55>

Detector

- Dry Gas system description <https://indico.cern.ch/event/375681/contribution/1/material/slides/1.pdf>
- Pasquale's description of Pixel power line distributions
https://indico.cern.ch/event/379495/contribution/2/attachments/1198483/1747457/Resistances_measurement_c
- Heating wires meeting <https://indico.cern.ch/event/305190/>

DAQ

- HI firmware project <https://cernbox.cern.ch/index.php/s/4YbaW2uUDOF7UxS>
- Pixel FED <http://dkotlins.web.cern.ch/dkotlins/CMS/Manuals/PxlFedV5.pdf>
- Strip FED modes
https://docs.google.com/document/d/1nMO17n_D7-TI6y95KD9c3B1Jq5-xNxjQQHnsLLmXW90/edit
- Pixel phase 1 DAQ status <https://indico.cern.ch/event/441996/>
 - ◆ Pixel phase 1 DAQ description
https://indico.cern.ch/event/441996/contribution/7/attachments/1159712/1669113/TWEPP_Auzinger.p

Going Cold

- Report in January 2014 Tracker week
<https://indico.cern.ch/event/284884/session/22/contribution/9/material/slides/0.pdf>
- Report in July 2014 CMS week
<https://indico.cern.ch/event/320990/session/0/contribution/7/material/slides/0.pdf>
- Report in November 2014 Tracker week
<https://indico.cern.ch/event/341319/session/11/contribution/21/material/slides/0.pdf>

Services and Monitoring

- Status of services beginning of run 2
<https://indico.cern.ch/event/389533/session/0/contribution/4/material/slides/0.pptx>
- FOS system <https://indico.cern.ch/event/388749/contribution/5/material/slides/1.pdf>

Performance

- Approved DPG results CMSPublic/DPGResultsTRK
- Alignment
 - ◆ 2015D alignment results
<https://indico.cern.ch/event/394149/session/1/contribution/14/attachments/1149933/1671773/alignment>
- Pixel resolution
 - ◆ 2015D resolution results
https://hypernews.cern.ch/HyperNews/CMS/get/AUX/2015/09/25/10:35:23-99141-BPIX_res_RunD_2
- Strip readout limits
 - ◆ https://indico.cern.ch/event/450140/contributions/2245083/attachments/1311292/1962326/MB_strips_
 - ◆ [[]]
- Pixel readout and occupancy limits
 - ◆ <https://indico.cern.ch/event/379462/contribution/3/material/slides/0.pdf>
 - ◆ https://www.dropbox.com/s/858jzmfza69b8z9/fed_upgrade.pdf?dl=0
 - ◆ https://www.dropbox.com/s/e98htzqwb7wgddh/roc_losses_at_13tev.pdf?dl=0
 - ◆ http://dkotlins.web.cern.ch/dkotlins/CMS/Presentations/fed_limits.pdf
 - ◆ https://indico.cern.ch/event/379494/contribution/3/attachments/1196695/1739385/pixel_ops_30-Nov-1
 - ◆ elog from Danek about the limit observed with a re-routed module
- Pixel dynamic inefficiency
 - ◆ Inefficiency vs Pileup
https://www.dropbox.com/s/ywr03bfjx8m41xo/hit_eff_vs_pileup.pdf?dl=0

- ◆ Inefficiency vs luminosity
https://www.dropbox.com/s/oe6gig80i27rui7/hit_eff_vs_instlumi.pdf?dl=0
- ◆ 2015 results
 - ◇ <https://indico.cern.ch/event/470059/contribution/1/attachments/1208478/1761930/PixelEfficie>
 - ◇ <https://indico.cern.ch/event/501479/session/4/contribution/27/attachments/1233977/1810728/2>
- ◆ 2016 results
 - ◇ https://hypernews.cern.ch/HyperNews/CMS/get/AUX/2016/08/05/16:51:53-6634-2016_08_05
 - ◇ <https://indico.cern.ch/event/536889/contributions/2345390/attachments/1357947/2056417/Pix>
- ◆ Expectations with the phase 1 detector
<https://indico.cern.ch/event/453198/session/0/contribution/7/attachments/1173584/1695498/PSI46digL>
- ◆ Measurements with phase 1 ROCs
https://indico.cern.ch/event/535987/contributions/2197000/attachments/1286978/1914833/160608_mo

ECAL

- ECAL LS1 status
<https://agenda.infn.it/getFile.py/access?contribId=20&sessionId=0&resId=0&materialId=slides&confId=8420>

Muons

- Muon system and CSC preparation for Run 2
<https://cernbox.cern.ch/index.php/s/AoWWH2zZ1wrtpqw>
- DT and RPC status for Run 2
<https://indico.cern.ch/event/379821/contribution/3/material/slides/0.pdf>

-- AndreaVenturi - 2015-04-26

This topic: Main > UsefulLinks

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