

status

Yu Zhang

01.25

Activity areas and contact people

13 TeV analyses <i>Liron Barak</i> <i>Jan Stark</i>	Completion of 13 TeV scalar and graviton analyses + Cross-checks (selection, signal and background models, systematics)			
8 TeV analyses <i>Remi Lafaye</i> <i>Quentin Buat</i>	Completion of 8 TeV scalar and graviton analyses (as for 13 TeV, with special focus on selections, new calibration, D3PD tools, MC)			
Statistics <i>Nicolas Berger</i>	Common treatment of significance results LEE limits 8 TeV/13 TeV compatibility Goodness of S+B fits			
Calibration <i>Isabelle Wingerter</i>	Isolation <i>Sandrine Laplace</i>	Auxiliary measurements <i>Giovanni Marchiori</i>	Excess/sidebands activity <i>Ruggero Turra</i>	
Bias tests and checks (LAr and EGamma) EGamma calibration uncertainties	Verify any need of changes (definition, corrections, working points) Efficiencies	Diphoton purities Single photon purities vs E_T in η bins	Jets, MET $\cos\theta_{\gamma\gamma}^*$, $p_T^{\gamma\gamma}$ S-plots or other excess/sideband compatibility	

14:00 - 14:30 13 TeV analysis

14:00 **Status and plans 10'**

Speakers: Liron Barak (CERN), Jan Stark (Centre National de la Recherche Scientifique (FR))

14:10 **Signal modelling with morphing 10'**

Speakers: Ruggero Turra (Università degli Studi e INFN Milano (IT)), Mr. Simone Michele Mazza (Università degli Studi e INFN Milano (IT))



morphing.pdf

14:30 - 15:00 8 TeV analysis

14:30 **Progresses on 8 TeV analysis 10'**

Speaker: Fuquan Wang (University of Wisconsin-Madison Department of Physics)



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15:00 - 15:30 Statistics

15:00 **Cross check of EOYE high-mass diphton scalar analysis statistical results 20'**

Speaker: Hongtao Yang (University of Wisconsin-Madison (US))



high_mass_d...

15:20 **Checks on the background fitting function 10'**

Speaker: Nicolas Berger (Centre National de la Recherche Scientifique (FR))



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15:30 - 16:00 Isolation

15:30 **Status of isolation studies 10'**

Speaker: Sandrine Laplace (LPNHE Paris)



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Zgamma

<https://indico.cern.ch/event/485272/>

- Samples
- Event Selection
- Signal Modelling
- Bkg Modelling
- Statistic treatment

15:00 - 15:05

Inputs from boosted jets analysis 5'

Speakers: Zhijun Liang (University of California, Santa Cruz (US)), Andrea Bocci (Duke University (US)), Shu Li (Duke University (US)), Enrique Kajomovitz Must (Department of Physics), Sergey Burdin (University of Liverpool (GB))



 input_jointDBLHGa...

15:05 - 15:10

Inputs from leptonic analysis 5'

Speakers: Giovanni Marchiori (LPNHE Paris), Tulay Cuhadar Donszelmann (University of Sheffield (GB)), Yanping Huang (Deutsches Elektronen-Synchrotron (DE)), Sergey Burdin (University of Liverpool (GB))



 notes for the Zgam...