

WG1 Introduction

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WG1 structure and organisation

- Organized in subgroups dedicated to various production modes (ggF, VBF, VH, ttH), offshell and width, and decay BR (rather quiet in past years, restarted recently to discuss Dalitz decays)
- Change of the guard of several subgroup convenorship this year:
 - **ggF**: Pier Monni -> Emanuele Re
 - **VBF**: Chiara Bertella -> Antonio De Maria, Michael Rauch -> Simon Plaetzer
 - **VH**: Francesco Tramontano -> Giancarlo Ferrera ; Carlo Pandini -> Thomas Calvet; Emanuele Re -> Ciaran Williams
 - **ttH**: Benjamin Stieger -> Joshuha Thomas-Wilsker
 - **Offshell**: Roberto Di Nardo -> Lailin Xu, Meng Xiao -> Ulascan Sarica ; Stefan Hoeche -> Raoul Roentsch
 - A big thank you to the outgoing subgroup conveners for their excellent work, and good luck to the incoming subgroup conveners!

WG1 recent activities


- STXS binning definition and define a clear prescription for uncertainties to be used by experimental results. Together with WG2.
- On going PS studies task force, with the goal on converging on an agreed procedure to estimate parton shower uncertainties. First dedicated meeting during last June.

<https://twiki.cern.ch/twiki/bin/view/LHCPhysics/PartonShowerUncertaintiesXSWG1>

- We have a dedicated e-group: lhc-higgs-xsbr-ps@cern.ch If you are interested please join to it.
- **LHCHXS notes released in 2019:**
 - HL-LHC and HE-LHC note: [LHCHXSWG-2019-001](#)
 - Boosted Higgs (still under CDS review): [LHCHXSWG-2019-002](#)
 - STXS binning stage 1.1: [LHCHXSWG-2019-003](#)

09:00 - 12:00

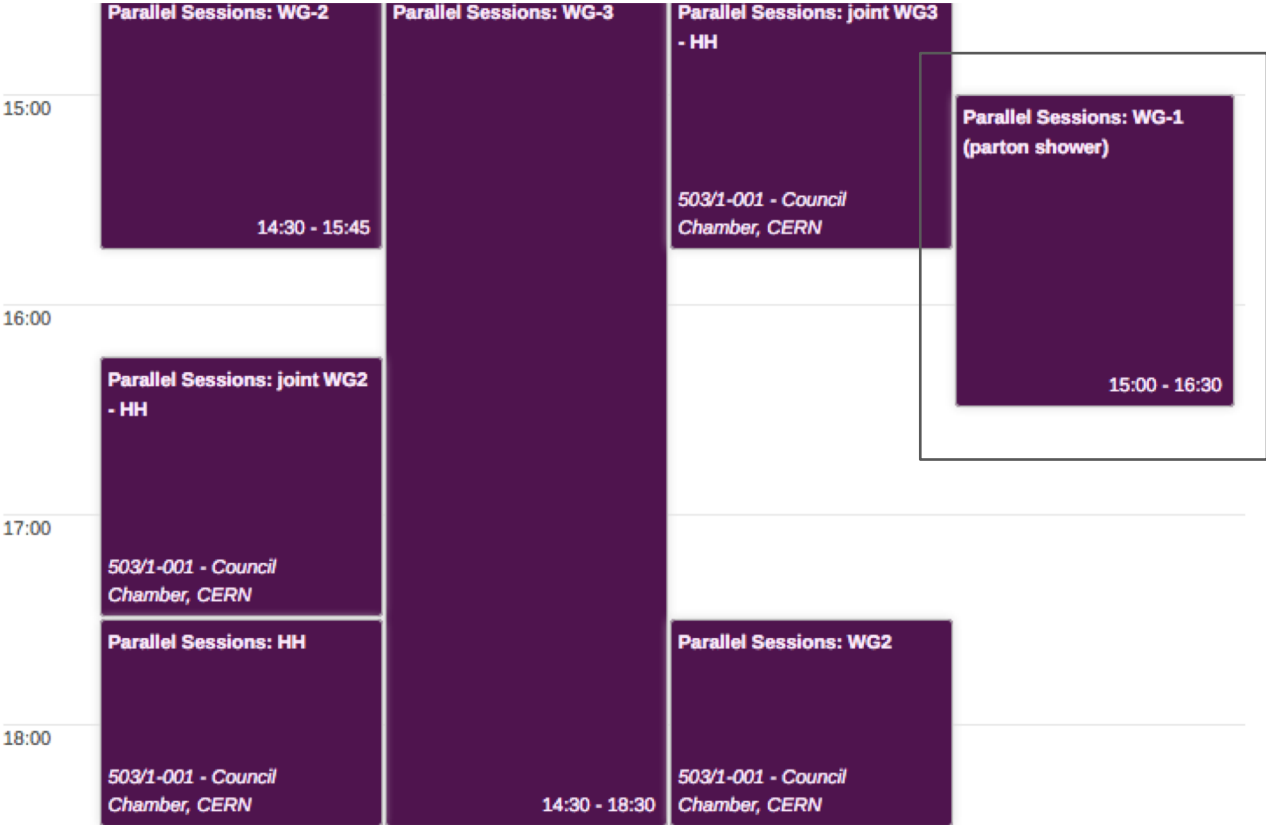


09:00	Welcome and introduction 503/1-001 - Council Chamber, CERN	 09:00 - 09:10
	Gluon fusion 503/1-001 - Council Chamber, CERN	<i>Andrea Massironi</i> 09:15 - 09:30
	VH 503/1-001 - Council Chamber, CERN	<i>Carlo Enrico Pandini</i> 09:35 - 09:50
10:00	Vector boson fusion 503/1-001 - Council Chamber, CERN	<i>Dr Alexander Karlberg</i> 09:55 - 10:10
	Coffee break 503/1-001 - Council Chamber, CERN	10:15 - 10:45
	Offshell: TH 503/1-001 - Council Chamber, CERN	<i>Raoul Horst Rontsch</i> 10:45 - 10:55
11:00	Offshell: EXP 503/1-001 - Council Chamber, CERN	<i>Ulascan Sarica</i> 10:55 - 11:05
	ttH: EXP 503/1-001 - Council Chamber, CERN	<i>Joshuha Thomas-Wilsker et al.</i> 11:15 - 11:30
	ttH: TH 503/1-001 - Council Chamber, CERN	<i>Laura Reina</i> 11:30 - 11:45
13:00	STXS overview and new binning 503/1-001 - Council Chamber, CERN	<i>Michael Duehrssen-Debling</i> 13:00 - 13:25
	VBF STXS uncertainties 503/1-001 - Council Chamber, CERN	<i>Yacine Haddad</i> 13:30 - 13:45
14:00	VH STXS uncertainties 503/1-001 - Council Chamber, CERN	<i>Chris Palmer</i> 13:50 - 14:05
	ggF STXS uncertainties 503/1-001 - Council Chamber, CERN	<i>Syed Haider Abidi</i> 14:10 - 14:25

13:00 - 14:30



Parallel session



15:00 - 16:30



- Dedicated to follow up on PS