time	Monday	onday Tuesday			Wednesday			Thursday		Friday
9:00 9:30	Key notes: LHC++ HardQCD	Plenary 1: Audit. Small x overview (th) Fwd + soft QCD (exp.) Jet production (exp.)			Plenary 3: Audit. Resummation and Jets (th) Higher order corrections (th) Jet substruct., boosted obj (exp)			Plenary 5: Audit. Matching in NLO and ME W/Z+jets		Summaries:Audit Group1, 30 min Group2, 30 min Group3, 30 min Coffee break
11:00		Coffee break			Coffee break			Coffee break		Summary ex 60min
11:20 11:30 11:50	Coffee break	Plenary 2: Audit Top (th.) Top (exp)			Plenary 4: Audit. Progress on ME&Loop Calcula. (th) W/Z+heavy flavor (exp)			Plenary 6: Audit. QCD in Higgs and BSM (ex) QCD in Higgs and BSM (th)		Summary th 60min
12;50		Lunch			Lunch			Lunch		
13:00	Lunch									Departure
14:00 15:00	QCD exp. MC overview	P3: SR4a Hard QCD+ PDF	P4:SR4b MP dyn.: Small x Fwd phys.	P5:SR3 Heavy Quarkon ia	P6:SR4a Hard QCD1: NLO, NNLO,	P7: SR5 PDF+ PDF4LHC: Reports from PDF fitting	P8:SR4b HardQC D2: resumm ation	P9: Audit. HardQCD+ MP dynamic: Soft.correcti ons	P10: SR1 PDF group	
15:40		Coffee break			Coffee break					
16:00 16:20 16:50 18:00 18:30	Coffee break P1: P2: Audi SR3 Hard Low X QCD	MPI+DP The+ex DESY Seminar: George Sterman			EWcorr.	groups	jets	NLO+multi- leg matching		
	reception				Dinner					

Big overview / Question rising talks on Monday (50 (incl.10 min discussion) min each) => Monday afternoon

Hard QCD/high precision overview + alpha_s - theory (Thomas Gehrmann)

MC overview (LO+NLO Matching) (Jeppe Anderssen)

PDFs overview + alpha_s - phenomenology+experimental (Mandy Cooper-Sakar, ATLAS)

QCD from LHC experimental - includes ATLAS, CMS, LHCb (Kostas Kousouris, CMS)

LHC overview & outlook (heavy ion, searches, high luminosity upgrade, general overview and prospectives) (Max Klein)

Summarys in Friday (60min incl discussion)

Experimental (incl.PDF) Summary & Outlook (Stefan Tapprogge, Mainz, ATLAS)

Theory (incl. PDF) Summary & Outlook (Nigel Glover, Durham)

Other plenary sessions, 40 min talks (incl.10min discussion), 20 min coffee break, going into more details (Tuesday, Wednesday, Thursday => 14talks):

Experimental (7 talks)

Top results from the LHC+Tevatron (cross sections, differential distributions, mass) (ATLAS sc)

Jets (production, heavy flavor) results of LHC incl. heavy ion +Tevatron (ATLAS sc)

Jet sub-structure, boosted objects (CMS sc: Maxime Gouzevitch (IPN Lyon, France)

W/Z +jets (ATLAS sc)

W/Z+heavy flavor (CMS sc: Anne-Marie Magnan (Imperial College, London)

Fwd physics and soft QCD results LHC (incl. UE, soft+hard diffraction) (CMS sc: Benoit Roland (Universiteit Antwerpen, Belgium) QCD in Higg and BSM studies (ATLAS sc)

Theory (7 talks)

Progress on Matrix Element and Loop Calculations, Automated NLO (Stefan Weinzierl, Mainz)

Matching in NLO and multi-leg calculations (Leif Lonnblad, Lund)

Resummation and Jets (Anna Kulesza, Muenster)

Higher order corrections, NNLO (Giancarlo Ferrera)
Top (Simone Alioli)
QCD in Higgs and BSM (Frank Tackmann, Hamburg)
Broad small x at LHC overview (Francesco Hautmann, Oxford)

Parallel sessions, 20min talks+10min discussion, 3.5h/session=~6-7 talks/session

Summaries of each group by one of the conveners on Friday morning

Group 1: PDF (incl.alpha_s) discussion group (all sessions: convener Voica Radescu + Pedro Jimenez-Delgado)

session 1, P3, (Tuesday): together with hard QCD: results on W+jets, W+heavy flavor, jets from ATLAS, CMS, LHCb, HERA, Tevatron

session 2, P7, (Wednesday): details from PDF fitting groups (ABKM, HeraPDFs, CTEQ, MSTW, NNPDF, GRV)

session 3,P10, (Thursday): combined with HardQCD NNLO Prompt photons, diphotons?

Group 2: Hard QCD and MC (convener: David D'Enterria(CMS), Pavel Starovoitov (ATLAS), Gabor Somogyi(theory), Steffen Schumann (theory, MC), Matteo Cacciari (theory, jets))

session 1 (Tuesday) split:

a) Hard QCD together with PDF group

b) Heavy quarkonia session (chaired by: Butenschoen(theory), Alex Cerri(ATLAS), G.Manca (LHCb)) session 2 (Wednesday) split: a) QCD radiation and NLO calculations b) resummation & jets: jets boosted jets new physics in jets session 3 (Thursday) together with soft QCD Group 3: Multi-parton dynamics (O.Kepka (ATLAS), Albert Knutsson(CMS), K. Kutak(theory)) _____ session 1, P2, (Monday) small x and multi-parton dynamics session 2. P4. (Tuesday): fwd physics Session 3, P9, (Thursday) common with hard QCD and MC group: soft physics corrections to jets including pile-up and color flow NLO and multi-leg matching, contributions expected from: aMC@NLO Pythia8 matching to NLO Sherpa+Blackhat Herwig++ Powheg Detailed Parallel session plan

P1(Mon, 16:20-18:30, hard QCD) 5 talks of 20+5 min

- (1) Top mass + inclusive cross sections + QCD systematic (ATLAS) (ATLAS sc) (20+5 min)
- (2) Top mass + inclusive cross sections + QCD systematic (CMS) (CMS sc: Akram Khan (Brunel Univ, UK)) (20+5 min)
- (3) ttbar production at NNLO (Paul Fiedler) (20+5 min)
- (4)**** t-tbar at NNLO and PDF constraints (Rojo, Mangano) (20+5 min) no speaker available
- (5) A new observable to measure the top quark mass at hadron colliders (Adrian Irles) (20+5 min)

P2 (Mon, 16:20-18:30h MP dynamics and low x) 5 talks of 20+5 min

- (1) Piet Mulders Theory tbc (20+5 min) tbc
- (2) Jonathan Gaunt Theory MPI confirmed (20+5 min)
- (3) Piotr Kotko, "Recent theory and phenomenology developments in fwd physics within high-energy factorization" confirmed (20+5 min)
- (4) Results from TOTEM (Totem sc) (20+5 min) -> talk retracted by TOTEM
- (5) CMS exclusive production in pp and pA (20+5 min) (CMS sc)
- *** put a HERA talk on hard diffraction here?

P3 (Tues. 14:00 - 16:50, with 20' coffee-break, Hard QCD + PDF (6 talks at 20+5 min to be shared with PDF group))

- (1) Jet incl. cross sections: Atlas data (ATLAS sc) 20+5min
- (2) JET incl. cross sections: CMS data (CMS sc: Giannis Flouris (Univ. of Ioannina, Greece) 20+5 min
- (3) ATLAS+CMS measurement of alpha_s (ATLAS sc) 20+5 min
- (4) ***PDF systematics at high x 20+5 min -> maybe replace by HERA talk on Jet production, alpha_s and QCD parameters?
- (5) ***Dijet production at NNLO (Gehrmann-De Ridder, Gehrmann, Glover, Pires) 20+5 min -> will be covered in Gehrmans seminar
- (6) EW corrections for photon and jet production Alexander Huss 20+5 min

P4 (Tues. 14:00 - 16:50, with 20' coffee-break, small x, fwd physcs MP (6 talks a 20 min + 5, min , 10 min for general discussion)

(1) Saturation and evolution equations for multi-gluons Stephan Munier (20+5 min)

- (2) Recent resuls on automated calculations of matrix elements in high energy factorization. Andreas van Hameren (20+5) min
- (3) Small-x and fwd physics (ATLAS) 20+5min

(ATLAS sc)

(4) fwd production of particles and jets (CMS) – 20+5 min

(CMS sc)

(5) Small-x and fwd physics (ALICE) – 20+5 min

(Alice sc)

(6) Studies of soft QCD at LHCb_(including exclusive production) (LHCB) – 20+5 min (LHCb sc)

P5 (Tues. 14:00 - 16:50, with 20' coffee-break, heavy guarkonia (7 talks a 17+3 min + 10 min Rest for general discussion)

- (1) NRQCD Quarkonium production/polarization: tba
- (2) Quarkonium production in kT factorization: Sergej Baranov
- (3) Quarkonium production in kT factorization, V.Saleev
- (4) Overview talk about exotics: Ahmed Ali
- (5) Quarkonia Production (ATLAS, CMS, LHCb) (ATLAS sc)
- (6) Quarkonia Polarisation (ATLAS, CMS, LHCb) (CMS sc)
- (7) Exotic in hadronic and e+e- colliders (ATLAS, CMS, LHCb, [BaBar, Belle]) (LHCb sc)
- ****(8) Quarkonia in Heavy Ion collisions (Alice, ATLAS, CMS, LHCb)
- ****(9) Charm and beauty at HERA (in DIS and photoproduction!)

P6 (Wed 14:00-18:05, 20+5 min/talk -> 9 talks with 20' coffee break,) Hard QCD 1: QCD radiation + NLO tools

- (1) Atlas Z,W+jets, ttbar+jets, W+HF (ATLAS sc) 20+5 min
- (2) CMS Z,W+jets, ttbar+jets, W+HF (CMS sc, Matteo Marone, Trieste, Italy) 20+5min
- (3) Sherpa + Blackhat (25min) Frank Siegert, 20+5 min
- (4) GoSam, Edoardo Mirabella 20+5 min
- (5) Helac-NLO, Giuseppe Bevilacqua 20+5 min
- (6) OpenLoops, Pozzorini or Fabia Cascioli 20+5 min
- (7)
- (8)
- (9)

P7 (Wed 14:00-18:05, 20+5 min/talk -> 9 talks , 20' coffee break,) PDF: reports from fitting groups

- (1) ATLAS+CMS W+c (CMS sc: Andrea Vargas Trevino (DESY, Germany))
- (2) HERA
- (3) JLAB results (if any) ? or LHeC
- (4) HERAFitter
- (5) MSTW
- (6) ABM
- (7) NNPDF
- (8) CTEQ
- (9) GRV

P8 (Wed 14:00-18:05, 9 talks, 20' +5' talks with 20' coffee break) Hard QCD 2: Resummation, jets, jet-substructure

- (1) Atlas results using jets substructure 20+5 min (ATLAS sc)
- (2) CMS results on boosted objects and jet substructure 20+5 min (cms sc: Aniello Spiezia (Perugia, Italy)
- (3) Marzani ??? 20+5 min
- (4) SKET people ??? (Tackmann) 20+5 min
- (5)Jessy Taylor (substructure) 1st, Gregory Soyez (substructure) 2nd ??? 20+5 min
- (6) Jet veto measurement (exp, ATLAS+CMS) (ATLAS sc) (20+5 min)
- (7) High precision Wmass (exp. ATLAS, CMS) (CMS sc) (20+5 min)
- (8) !st Banfi (low pt Vector Boson, resumption) ???(20+5 min)
- (9) Dasgupta (jet veto, resummation) ??? (20+5 min)

P9 (Thu 14:00-18:05, 9talks at 20+5min with 20 coffee break) Hard QCD + MP dynamics + MC: Matching

(1) NLO EW + QCD corrections to single W/Drell-Yan production matched with a parton shower in POWHEG, Fulvio Piccinini 20+5min

- (2) News from PowhegBox incl. MINLO and NLO EW + QCD corrections (20+5min) Emmanuele Re
- (3) MC@NLO and aMC@NLO (20+5min) Marco Zaro
- (4) Matching & NLO Merging in Herwig ++ Simon Plaetzer (20+5min)
- (5) Matching & NLO Merging in Pythia 8 Stefan Prestel (20+5min)
- (6)Hadronization, parton shower, and MPI corrections in jet & heavy-quark measurements, Samantha Doolng (20+5min)
- (7) ATLAS+CMS results on UE measurements and tuning (ATLAS+CMS) 20+5min (ATLAS sc)
- (8)Atlas jet reconstruction performances and non-perturbative corrections to jet cross sections. 20+5min (ATLAS sc)
- (9)CMS jet reconstruction and performance non-perturbative corrections to jet cross sections. 20+5 min (CMS sp)

******+abstract Tania Robens "Nagy-Soper subtraction for massless final states"

P10 (Thu 15:00-18:05, 9 talks at 20+5min with 20' coffee break) PDF+HardQCD NNLO

Time for talk on NLO EW+QCD correction in P9

- (1) ATLAS W/Z inclusive (ATLAS sc) (20+5)
- (2) CMS WZ/Inclusive (CMS sc) (20+5)
- (3) LHCb W/Z inclusive (20+5)
- (4) ***NLO EW + NNLO QCD corrections to Drell-Yan in FEWZ (Li, Petriello) -> no author available -> move LHCb PDF talk here?
- (5) Higgs + jet production at NNLO Radja Boughezal 20+5
- (6) Higgs production in gluon fusion at approximate N3LO Marco Bonvini 20+5
- (7) put "Diphoton measurement" from CMS" here?
- (8)
- (9)

Potential additional talks

- (13) Direct integration of multiloop integrals (Becker, Weinzierl) [though Weinzierl is giving a plenary talk already]
- (14) Integrand reduction at two-loops (Mastrolia, Mirabella, Ossola, Peraro)
- (15) Multiloop integrals with SecDec (Borowka, Heinrich)
- (16) NNLO OPP (Kleiss, Malamos, Papadopoulos, Verheyena)