

## Tuesday 23 April 2013

### **WG3: Electroweak and Searches: Higgs, part #1 // Di-Bosons - Endoume 1 (08:30-12:40)**

- **Conveners: Oh, Alexander (University of Manchester (GB)); Stoye, Markus (CERN); Vicini, Alessandro (Università degli Studi e INFN Milano (IT))**

time	[id] title	presenter
08:30	[210] Measurements of properties of the Higgs-like Particle at 125 GeV by the CMS collaboration	MEOLA, Sabino (Università e INFN (IT))
08:50	[221] Study of Higgs Production in Bosonic Decay Channels at CMS	HOLZNER, Andre Georg (Univ. of California San Diego (US))
09:10	[222] Study of Higgs Production in Fermionic Decay Channels at CMS	CHOU DHURY, Somnath (CEA - Saclay (FR))
09:30	[229] Higgs boson properties from hadron colliders experiments	GIARDINO, Pier Paolo (Sezione di Pisa (IT))
09:50	[251] Combined search for the SM Higgs Boson at D0	KRAUS, James Alexander (University of Mississippi (US))
10:30	Coffee break	
11:00	[93] Measurement of Wg/Zg production at ATLAS and associated constraints on new physics	LIANG, Zhijun (University of Oxford)
11:20	[94] Measurement of WW, WZ and ZZ production at ATLAS and limits on anomalous triple-gauge-boson couplings	ZEMAN, Martin (Czech Technical University (CZ))
11:40	[95] Measurement of WW and WZ production with one vector boson decaying hadronically at ATLAS	LINDQUIST, Brian Edward (State University of New York (US))
12:00	[204] Vector boson + jets measurements at CMS	DU PREE, Tristan Arnoldus (Université Catholique de Louvain (BE))
12:20	[264] Measurements of WW and ZZ production and anomalous trilinear gauge couplings with the D0 detector	KRAUS, James Alexander (University of Mississippi (US))

### **WG1: Structure Functions: Inclusive DIS and PDF updates - Callelongue (08:30-12:30)**

- **Conveners: Keppel, Cynthia (Jefferson Lab); Lipka, Katerina (Deutsches Elektronen-Synchrotron (DE)); Prof. Nadolsky, Pavel (Southern Methodist University)**

time	[id] title	presenter
08:30	[290] Inclusive Deep Inelastic Scattering at High Q <sup>2</sup> with Longitudinally Polarised Lepton Beams at HERA and Determination of the Integrated Luminosity at HERA using Elastic QED Compton Events	SHUSHKEVICH, Stanislav (Deutsches Elektronen-Synchrotron (DE))
08:55	[30] Measurement of high-Q <sup>2</sup> neutral current deep inelastic e+p scattering cross sections with a longitudinally polarised positron beam at HERA	BROCK, Ian (Universität Bonn (DE))
09:15	[286] ABM PDFs updated	ALEKHIN, Sergey (DESY-Zeuthen)
09:40	[19] The CJ12 parton distributions	ACCARDI, Alberto (Hampton U. and Jefferson Lab)
10:05	[180] Developments in CTEQ-TEA analysis	NADOLSKY, Pavel (Southern Methodist University)
10:30	Coffee break	

11:00	[116] Developments Related to MSTW PDFs	THORNE, Robert (University College London)
11:25	[239] Parton Distributions with LHC data	HARTLAND, Nathan (University of Edinburgh)
11:50	[288] HERAFitter - an open source QCD fit framework	PLACAKYTE, Ringaile (Hamburg University)
12:05	[82] Inclusive jet production measured with ATLAS, and constraints on PDFs	STAROVOITOV, Pavel (Deutsches Elektronen-Synchrotron (DE))

## **WG2: Low x and Diffraction: Formal developments and saturation, total cross sections - Endoume 2**

**(08:30-12:30)**

- **Conveners: Abramowicz, Halina (Tel Aviv University (IL)); Hollar, Jonathan (Lawrence Livermore National Laboratory); Wallon, Samuel**

time	[id] title	presenter
08:30	[11] Saturation, coherence and exclusive final states	KUTAK, Krzysztof (Instytut Fizyki Jadrowej Polskiej Akademii Nauk)
08:50	[147] Revising the Impact-Parameter dependent Saturation model with combined HERA data	REZAEIAN, Amir (Universidad Técnica Federico Santa María)
09:10	[257] Recent results within Lipatov's high energy effective action	HENTSCHINSKI, Martin (Brookhaven National Laboratory)
09:30	[276] Computing the full two-loop gluon Regge trajectory within Lipatov's high energy effective action	CHACHAMIS, Grigorios (IFIC (CSIC/UV) Valencia)
09:50	[235] Saturation and coherence effects in the modified KGBJS equation	DEAK, Michal (IFIC/CSIC, Universitat de Valencia)
10:10	[106] Scattering amplitudes for high-energy factorization	VAN HAMEREN, Andreas (IFJ PAN)
10:30	Coffee break	
11:00	[14] On a relation between production processes and total cross sections	MUNIER, Stephane (Ecole polytechnique)
11:20	[167] Cross sections and forward multiplicities measurements with TOTEM	BERRETTI, Mirko (Sezione di Pisa (IT))
11:40	[76] Predictions of Diffractive, Elastic, Total, and Total-Inelastic pp Cross Sections vs LHC Measurements.	GOULIANOS, Konstantin (The Rockefeller University)

## **WG4: QCD and HFS: Hadron production // Jet physics, part #1 - Sormiou (08:30-12:30)**

- **Conveners: Glasman, Claudia (Universidad Autonoma de Madrid); Dr. Malaescu, Bogdan (Univ. P. et Marie Curie (Paris VI) (FR)); Banfi, Andrea (University of Sussex)**

time	[id] title	presenter
08:30	[321] Probing non perturbative QCD with $Ke_4$ and $K^{*+} \rightarrow \pi^+ \gamma \gamma$ decays from the NA48/2 and NA62 experiments	MADIGOZHIN, Dmitry
08:50	[70] Hadron production in $e^+e^-$ annihilation at BaBar, and implication for the muon anomalous magnetic moment.	MULLER, David (SLAC)
09:10	[324] Strangeness Production in Deep-Inelastic ep Scattering at HERA	BEGZSUREN, Khurelbaatar
09:30	[2] High precision measurement of the form factors of the semileptonic decays $K^{*+} \rightarrow \pi^0 l^+ \nu$ (K13)	MADIGOZHIN, Dmitry

09:50	[325] Measurement of Charged Particle Spectra in Deep-Inelastic ep Scattering at HERA	BYLINKIN, Alexander
10:30	Coffee Break	
11:00	[172] Inclusive particle production at LHCb	VOLYANSKY, Dmytro
11:20	[120] Studies of jet shapes and substructure with ATLAS	GUETA, Orel (Tel Aviv University (IL))
11:40	[125] Measurement of kt splitting scales in $W \rightarrow l\nu$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector	SIEGERT, Frank (Albert-Ludwigs-Universitaet Freiburg (DE))
12:00	[119] ATLAS Jet production measurements and determination of $\alpha_S$	WARDROPE, David (University College London (UK))

### **WG5: Heavy Flavours: Open heavy flavor production in ep and pp collisions // Quarkonia from ep and pp collisions - Morgiou (08:30-12:40)**

- **Conveners: Sauter, Michel; Naumann-Emme, Sebastian (Deutsches Elektronen-Synchrotron (DE)); Szczurek, Antoni (Institute of Nuclear Physics)**

time	[id] title	presenter
08:30	[8] Measurement of Beauty and Charm Photoproduction at HERA	DAUM, Karin (University of Wuppertal/DESY)
08:50	[285] Charmed mesons and leptons from semileptonic decays at the LHC	MACIULA, Rafal (Institute of Nuclear Physics PAN)
09:10	[175] Charm and beauty production at LHCb	KOZLINSKIY, Alexandr (NIKHEF (NL))
09:30	[130] Production cross section of B-meson in ATLAS	ROSSI, Elvira (Universita e INFN, Roma I (IT))
09:50	[201] Measurements of beauty quark production at CMS	GALANTI, Mario (Universita e INFN (IT))
10:30	Coffee break	
11:00	[38] Measurement of Inelastic $J/\psi$ and $\psi'$ Photoproduction at HERA	BERTOLIN, alessandro (INFN - Sez. di Padova) BERTOLIN, Alessandro (Universita e INFN (IT))
11:20	[129] Production cross section of Quarkonia states in ATLAS	PRICE, Darren (Indiana University (US))
11:40	[202] Measurements of Quarkonium polarization at CMS	SEIXAS, Joao (Instituto Superior Tecnico (PT))
12:00	[178] Quarkonia and quarkonia-like spectroscopy at LHCb	FITZPATRICK, Conor (CERN)
12:20	[211] Exotic quarkonium spectroscopy and production	YETKIN, Elif Asli (University of Iowa (US))

### **WG6: Spin: WG6.1 - Endoume 3 (08:30-10:30)**

- **Conveners: Stolarski, Marcin (LIP Laboratorio de Instrumentacao e Fisica Experimental de Part); Giordano, Francesca (U); Contalbrigo, Marco (Dipartimento di Fisica); Bacchetta, Alessandro (University of Pavia)**

time	[id] title	presenter
08:50	[52] Hadron multiplicities at the HERMES experiment	KARYAN, Gevorg (A.I. Alikhanyan National Science Laboratory)

09:10	[187] Fragmentation Functions measurement at COMPASS	MAKKE, Nour (Universita e INFN (IT))
09:30	[246] Charge-integrated pion and kaon multiplicities from Belle e+e- annihilation data	VAN HULSE, Charlotte (University of the Basque Country UPV-EHU)
09:50	[64] Re-evaluation of the Parton Distributions of Strange Quarks in the nucleon	JACKSON JR, Harold E (Argonne National Laboratory)
10:10	[332] Measurement of inclusive production of light charged hadrons at BaBar	GARZIA, Isabella (INFN)

### **WG6/7: Spin Physics and Future Experiments: WG67 - Endoume 3 (11:00-12:30)**

time	[id] title	presenter
11:00	[156] Polarised Drell-Yan measurements at COMPASS-II	CHIOSSO, Michela (INFN, Sezione di Torino and University of Torino)
11:25	[159] The Electron Ion Collider: The Next QCD Frontier	DESHPANDE, Abhay (Stony Brook University)
11:55	[259] Physics Opportunities with the 12 GeV Upgrade at Jefferson Lab	KEPPEL, Cynthia (Jefferson Lab)

### **IAC meeting - Sormiou (12:30-14:00)**

### **WG3: Electroweak and Searches: Higgs, part #2 // SUSY - Endoume 1 (14:00-19:10)**

time	[id] title	presenter
14:00	[151] Higgs boson and Top quark masses as tests of Electroweak Vacuum Stability	MASINA, Isabella
14:20	[170] Limits on neutral Higgs production in the forward region in pp collisions at $\sqrt{s}=7$ TeV	ILTEN, Philip James (University College Dublin (IE))
14:40	[261] Searches for Exotic Higgs decays in CMS	PERIEANU, Adrian (Rheinisch-Westfaelische Tech. Hoch. (DE))
15:00	[69] Searches for low-mass Higgs and dark bosons at BaBar	PEREZ PEREZ, Luis Alejandro (INFN Sezione di Pisa)
15:20	[101] Searches for electroweak production of supersymmetric gauginos and sleptons with the ATLAS detector	AGUSTONI, Marco (Universitaet Bern (CH))
15:40	[215] Searches with multilepton final states	THOMASSEN, Peter (Rutgers, State Univ. of New Jersey (US))
16:00	Coffee break	
16:30	[216] Search for stop and sbottom pair production at the LHC using the CMS detector	GOUSKOS, Loukas (University of Athens (GR))
16:50	[100] Searches for direct pair production of third generation squarks with the ATLAS detector	PANI, Priscilla (NIKHEF (NL))
17:10	[98] Inclusive searches for squarks and gluinos with the ATLAS detector	ROMERO ADAM, Elena (Universidad de Valencia (ES))
17:30	[99] Searches for gluino-mediated production of third generation squarks with the ATLAS detector	DELUCA, Carolina (NIKHEF (NL))
17:50	[102] Searches for supersymmetry in resonance production, R-parity violating signatures and events with long-lived particles with the ATLAS detector	KING, Matthew (Kobe University (JP))

18:10	[214] Search for Quarks and Gluinos in events with missing transverse momentum	SCHOEFBECK, Robert (Hephy Vienna) SCHOEFBECK, Robert (Austrian Academy of Sciences (AT))
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### **WG1: Structure Functions: Jets and top-quarks in QCD analysis - Callelongue (14:00-16:00)**

- **Conveners: Lipka, Katerina (Deutsches Elektronen-Synchrotron (DE)); Keppel, Cynthia (Jefferson Lab); Prof. Nadolsky, Pavel (Southern Methodist University)**

time	[id] title	presenter
14:00	[103] The Effect of Recent Jet Results on MSTW PDFs	WATT, Benjamin (UCL)
14:24	[85] Top quark production cross section in ATLAS	BERTELLA, Claudia (Centre National de la Recherche Scientifique (FR))
14:48	[217] Top Quark Pair Cross Section Measurements at CMS	KIESELER, Jan (Deutsches Elektronen-Synchrotron (DE))
15:12	[110] Top quark production at the LHC: differential cross section and phenomenological perspectives	GUZZI, Marco (Desy Hamburg)
15:36	[281] Constraints on the gluon PDF from top quark pair production at hadron colliders	ROJO CHACON, Juan (CERN)

### **WG2: Low x and Diffraction: Vector meson production, MPI and DPS - Endoume 2 (14:00-18:30)**

- **Conveners: Abramowicz, Halina (Tel Aviv University (IL)); Hollar, Jonathan (Lawrence Livermore National Laboratory)**

time	[id] title	presenter
14:20	[44] Multi-particle production in the CGC framework	MARQUET, Cyrille
14:40	[173] Studies of quarkonia production and polarisation at LHCb	FROSINI, Maddalena (Universita e INFN (IT))
15:00	[196] Inclusive hadron production in p-p collisions in CMS	KATSAS, Panagiotis (Deutsches Elektronen-Synchrotron (DE))
15:20	[60] Jet production and the inelastic pp cross section at the LHC	GREBENYUK, Anastasia (Deutsches Elektronen-Synchrotron (DE))
15:40	[197] Characterization of the underlying event in p-p collisions in CMS	MAZUMDAR, Kajari (Tata Inst. of Fundamental Research (IN))
16:00	Coffee break	
16:30	[237] Heavy quark impact factor and the single bottom production at the LHC	DEAK, Michal (IFIC/CSIC, Universitat de Valencia)
16:50	[282] Correlation effects in multiple hard scattering	DIEHL, Markus (DESY)
17:10	[240] Initial conditions for evolution of double parton distributions	LEWANDOWSKA, Emilia (Institute of Nuclear Physics PAN)
17:30	[195] MPI and DPS studies at CMS	BARTALINI, Paolo (National Taiwan University (TW))
17:50	[81] Measurement of hard double-parton interactions with the ATLAS detector	MYSKA, Miroslav (Acad. of Sciences of the Czech Rep. (CZ))
18:10	[339] Standard and quasi-conformal BFKL kernels	FADIN, Victor (Budker Institute of Nuclear Physics Novosibirsk)

**WG4: QCD and HFS: Jet physics part #2 // Photon and boson+jet production - Sormiou****(14:00-18:50)**

- **Conveners: Banfi, Andrea (University of Sussex); Dr. Malaescu, Bogdan (Univ. P. et Marie Curie (Paris VI) (FR)); Glasman, Claudia (Universidad Autonoma de Madrid)**

time	[id] title	presenter
14:00	[16] Scale Invariant Resonance Tagging in Multijet Events and New Physics Searches in Higgs pair production	ROJO CHACON, Juan (CERN)
14:20	[124] Studies of b-quark jet shapes using top decays with ATLAS	LLORENTE MERINO, Javier (Universidad Autonoma de Madrid (ES))
14:40	[122] SM background estimate for supersymmetry searches: challenges and methods	BESJES, Geert Jan (Radboud University Nijmegen (NL))
15:00	[127] Transverse energy flow and charged particle event shapes with ATLAS	KAR, Deepak (University of Glasgow (GB))
15:20	[128] Final state measurements in top pair events produced at LHC	DUDA, Dominik (Bergische Universitaet Wuppertal (DE))
16:00	Coffee Break	
16:30	[278] New photon results from CDF	VELLIDIS, Konstantinos (Fermilab)
16:50	[330] Measurement of isolated photons with and without accompanying jets at HERA	IUDIN, Andrii
17:10	[121] Photon, diphoton and photon+jet production measured with the ATLAS detector	SVATOS, Michal (Acad. of Sciences of the Czech Rep. (CZ))
17:30	[299] Direct-photon hadron correlations at $\sqrt{s} = 200$ GeV with PHENIX	HANKS, Ali
17:50	[123] Studies of vector boson+jet production with ATLAS	JANSEN, Eric (University College London (UK))
18:10	[213] Production of multiple electroweak bosons at CMS	TROCINO, Daniele (Northeastern University (US))

**WG5: Heavy Flavours: Heavy flavors at B factories // B meson decays in pp collisions - Morgiou****(14:00-18:30)**

- **Conveners: Sauter, Michel; Naumann-Emme, Sebastian (Deutsches Elektronen-Synchrotron (DE)); Szczurek, Antoni (Institute of Nuclear Physics)**

time	[id] title	presenter
14:00	[72] Precision measurement of charmed meson properties with the BaBar detector	MULLER, David (SLAC)
14:20	[73] Results on conventional and exotic charmonium at BaBar	BERNARD, Denis (Laboratoire Leprince-Ringuet)
14:40	[243] Study of mixing, CP violation and polarization of the $B_s \rightarrow D_s^{(*)+} D_s^{(*)-}$ and a new measurement of $B_s \rightarrow D_s^{(*)} h$ at Belle	ESEN, Sevda (University of Cincinnati)
15:00	[66] Observation of time reversal violation in B decays and Recent results on CP Violation in B- and D-meson decays at BaBar	PEREZ PEREZ, Luis Alejandro (INFN Sezione di Pisa)
15:25	[274] Predicting radiative B decays to vector mesons in holographic QCD	SANDAPEN, Ruben (Université de Moncton)
16:00	Coffee break	
16:30	[162] New Heavy-flavor results from D0	BERTRAM, Iain (Lancaster University)
16:50	[177] Properties and decays of the $B_c$ meson and b baryons	XUHAO, Yuan (Tsinghua)

17:10	[176] Studies of excited charm and beauty mesons at LHCb	GLIGOROV, Vladimir (CERN)
17:30	[203] Studies of rare B meson decays with the CMS detector	SHI, Xin (National Taiwan University (TW))
17:50	[131] Mixing and CP violation in the decay of Bs to J/psi Phi in ATLAS	DEWHURST, Alastair (STFC - Science & Technology Facilities Council (GB)) DEWHURST, Alastair (Lancaster University)
18:10	[132] Study of the decay Bd to K* mu+mu- in ATLAS	TURCHIKHIN, Semen (M.V. Lomonosov Moscow State University (RU))

### **WG6: Spin: WG6.2 - Endoume 3 (14:00-18:30)**

time	[id] title	presenter
14:00	[223] Double spin asymmetry measurement from SANE-HMS data at Jefferson Lab	KANG, Hoyoung (Seoul National University)
14:20	[139] New COMPASS results on the proton spin-dependent structure function $g_1^p$	ANDRIEUX, Vincent (CEA/IRFU, France)
14:40	[287] First JAM results on the determination of polarized parton distributions	ACCARDI, Alberto (Hampton U. and Jefferson Lab)
15:00	[186] W Physics Result of PHENIX	PARK, Sanghwa (Seoul National University)
15:20	[270] Recent STAR results and future prospects for the W boson program at RHIC at BNL	SURROW, Bernd (Temple University)
15:40	[109] Inclusion of charm and $W$ production data in a polarized PDF determination via Bayesian reweighting	NOCERA, Emanuele Roberto (Università degli Studi di Milano & INFN Milano, Italy)
16:00	Coffee Break	
16:30	[24] Probing $\Delta g(x)$ at Low x with the PHENIX detector	CHIU, Mickey (Brookhaven National Lab)
16:50	[181] Gluon Polarization and Jet Production in STAR	GAGLIARDI, Carl (Texas A University)
17:10	[161] Gluon polarisation results from the COMPASS experiment	SILVA, Luis (LIP Lisbon)
17:30	[230] The Dijet Cross-section Measurement of Polarized Proton-Proton Collisions at $\sqrt{s} = 500$ GeV	WEBB, Grant (STAR Collaboration)
17:50	[265] Double Longitudinal Spin Asymmetry Measurements of Inclusive $\pi^0$ and $\eta$ Production at PHENIX in 200 GeV Polarized p+p Collisions	SARSOUR, Murad (Georgia State University)
18:10	[138] Forward Neutral Pion Cross Section and Spin Asymmetry Measurements at STAR	GLISKE, Stephen (Argonne National lab, for the STAR Collaboration)

### **WG1/7: Structure Functions and Future Experiments: PDF updates, nuclear PDFs - Callelongue (16:30-18:30)**

- **Conveners:** Sabatié, Franck (CEA Saclay); Lipka, Katerina (Deutsches Elektronen-Synchrotron (DE)); Keppel, Cynthia (Jefferson Lab); Prof. Nadolsky, Pavel (Southern Methodist University); Armesto Perez, Nestor (Universidade de Santiago de Compostela (ES)); Dr. Buniatyan, Armen (DESY)

time	[id] title	presenter
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16:30	[15] Theoretical foundations of the quantum statistical approach to parton distributions and recent results	SOFFER, Jacques (Temple University, Philadelphia, PA USA)
16:54	[59] Neutrino-nucleus DIS data and their consistency with nuclear PDFs	PAUKKUNEN, Hannu (University of Jyväskylä, Finland)
17:18	[260] The nCTEQ PDFs	KOVARIK, Karol (University of Karlsruhe)
17:42	[245] Investigating the Nucleon Structure at COMPASS	BADELEK, Barbara (University of Warsaw, Poland)
18:06	[75] Nuclear PDFs from the LHeC perspective	PAUKKUNEN, Hannu (University of Jyväskylä, Finland)

**HERAFitter Meeting - Callelongue (18:30-20:00)**