

## Poster Session, Monday, June 24<sup>th</sup>, 18:00

#	Presenter	Home Institution	Poster Title
1a	Alexander Tuna	U. Pennsylvania	ATLAS: Searches for leptonic couplings in the decays of the Higgs Candidate
1b	Chu-En Chang	Stanford University	Multiband Charge-Coupled Devices
1c	Julie Segal	SLAC	High Voltage Photo-Voltaic Device for Radiation Detector System
1d	Gabriel Blaj	SLAC	Integrated, Self-Sealing, Micro-Fabricated Coolant Channels
2a	Zhenjun Xiao	Nanjing Normal University	Calculation of the branching ratios $B \rightarrow D^{(*)} l \bar{\nu}_l$ and the ratios $R(D^{(*)})$ , based on perturbative QCD factorization
2b	Chunhui Chen	Iowa State University	ATLAS: Recent analyses of W and Z production in hadronic decay channels, based on 4.7/fb recorded at 7 TeV
2c	Elena Guardincerri	INFN - Lecce	CAPTAIN, the Argon Time Projection Chamber under construction at LANL, description, status and expected performance
2d	Jose Sa Borges Filho	Universidade do Estado do Rio de Janeiro	Doubly-charged Bilepton Contribution to Lepton Pair Production at the LHC energy and topological requirements for selecting vector boson fusion
3a	Mandy Rominsky	Fermilab	Design of the new experiment to measure the muon anomalous magnetic moment ( $g-2$ ) at Fermilab
3b	Kevin Black	Boston University	ATLAS: Efficiency, resolution, and general performance of the muon trigger based on 8 TeV data collected in 2012
3c	Henry Band	University of Wisconsin	Design of a new Short-Baseline Reactor Experiment to measure the antineutrino spectrum and search for sterile neutrinos at a US nuclear reactor.
3d	Emma Ideal	Yale University	ATLAS: Reconstruction of semileptonic tau lepton decays as collimated jets of low track multiplicity, based on projective likelihood estimators and boosted decision trees.

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4a	Gagan Mohanty	Tata Institute, Mumbai	Belle II: Design and plans for construction of a silicon vertex detector (SVD), using double-sided silicon strip detectors.
4b	Craig Sawyer	Oxford University	ATLAS: Recently developed jet, missing ET, and jet substructure and tagging algorithms and their calibration.
4c	Gervasio Gomez	Universidad de Cantabria	CMS: Two alignment techniques for muons, one track-based and one hardware-based, precision of alignment and muon momentum measurement
4d	Hendrik Esch	TH Dortmund	ATLAS: Identification of b-jets, techniques, efficiencies and background suppression
5a	Gerald Eigen	University of Bergen	Constraints from measurements of the sides and angles of the CKM triangle, taking into account correlations and theoretical uncertainties.
5b	Sandro Palestini	CERN	ATLAS: First observation of $W$ plus $j/\psi$ production in two-muon pair events, and comparison with predictions of color singlet and octet models
5c	Vladimir Kekelidze	JINR Dubna	NICA (Nuclotron-based Ion Collider fAcility) at Dubna, design, and status of the accelerator and detector, and overview of research program with heavy ion and proton beams.
5d	Sascha Mehlhase	Niels Bohr Institute	ATLAS: Search for long-lived sleptons and R-hadrons based on their possible interactions in the inner detector, the calorimeters or muon system.
6a	Dana Lindemann	SLAC	BABAR: Recent results on rare flavor-changing neutral currents observed in $B$ mesons decaying to $K^{(*)}\nu$ nubar, $\pi^{+}l^{-}$ , and $\eta^{+}l^{-}$ .
6b	Till Eifert	SLAC	ATLAS: Search for top-squark pair production in final states with one isolated lepton, jets, and missing transverse momentum
6c	Elisa Manoni	INFN Perugia	BABAR: Measurement of the ratios $R(D^{*}) = \text{BF}(B \rightarrow D^{*}\tau \nu) / \text{BF}(B \rightarrow D^{*}l \nu)$ , resulting in a 3.4 s.d. excess over the Standard Model expectations.
6d	Geert-Jan Besjes	Nijmegen / NIKHEF	ATLAS: Search for squarks and gluinos in final states containing jets, missing transverse momentum and no high-pt electrons or muons

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7a	Biplab Dey	UC Riverside	BABAR: Study of exclusive charmless semileptonic B decays in fully reconstructed BBbar events.
7b	Biplab Dey	UC Riverside	Tests of a focussing DIRC equipped with a highly pixelated photon detector and fast read-out.
7c	Kalanand Mishra	Fermilab	A review of the current status of the constraints on gauge boson trilinear and quartic anomalous couplings
7d	Keisuke Yoshihara	University of Tokyo	ATLAS: Evidence for the Higgs boson decaying to WW*
8a	Christophorus Grab	ETH Zurich	CMS: Update of the analysis of the Higgs-like boson produced in association with with a vector boson (W or Z) and decaying into b-quarks
8b	Eleonora Benhar	Geneva University	ATLAS: Measurements of the mass, couplings and spin-parity of the Higgs-like Boson, based on the decays to ZZ* to four leptons
8c	Francesco Constanza	DESY, Hamburg	CMS: Search for top squark pair-production in events with a single isolated lepton, high pT jets and large missing mass, probing masses up to 650 GeV.
8d	Ben Smart	Edinburgh University	ATLAS: Search decays of the Higgs-like Boson into pairs of b quarks, produced in association with a vector boson.
9a	Caitlin Malone	SLAC - Stanford University	ATLAS: Search for top squark pair production looking for stop decays to a t- quark plus a stable undetected neutral particle (LSP) or to a b-quark plus a chargino
9b	Sin Kyu Kang	Nat. Tech. University, Seoul	Interpretation of the Higgs-like boson in terms of several type II Higgs doublet models

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10a	Jaehyeok Yoo	UC San Diego	CMS: Evidence for an excess of events, interpreted as the decay of Higgs candidate to $W+W-$
10c	Phil Zalewski	Riverbed Technology	Improving the Business Value of WAN Optimization
11a	Andres G. Delannoy Sotomayor	Vanderbilt University	CMS: Search for Physics beyond the Standard Model in events with tau-leptons, highly energetic jets and large momentum imbalance.
11b	Santiago Folgueras	Universidad de Oviedo	CMS: Search for SUSY particles in events with like-sign di-leptons
11c	Omar Moreno	SCIPP, UC Santa Cruz	Results of a test run of the HPS experiment at J-Lab, designed to search for massive vector gauge bosons (heavy/dark photons) in the mass range of 20-1000 MeV.
12c	Heidi Schellman	North Western University	Minerva: Measurements of flux-averaged differential cross section for charged-current quasi-elastic neutrino and antineutrino scattering in the energy range 1.5-10 GeV.
12d	Jim Lacey	Carleton University, Ottawa	ATLAS: Summary of recent improvements to jet, missing ET, jet substructure and tagging techniques and tools, based on advanced clustering and reconstruction algorithms.
13a	Myeong Jae Lee	LBNL	The Mu2e Experiment at Fermilab, designed to search for neutrinoless conversion of muons to electrons in the field of a nucleus, with sensitivity improved by a factor 10,000.