

# **Fourth Annual Large Hadron Collider Physics Conference 2016**

**Sunday, 12 June 2016 - Saturday, 18 June 2016**

**Lund University**

## **Programme**

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## Sunday 12 June 2016

**Registration (12 Jun 2016, 17:00-19:00)**

# Monday 13 June 2016

## Registration (13 Jun 2016, 07:00-09:00)

## Opening Plenary: Chairs: Torsten Åkesson, Katsuo Tokushuku - Stora Salen (13 Jun 2016, 09:00-10:30)

time	[id] title	presenter
09:00	[39] Welcome	
09:15	[40] LHC: status, prospects and future challenges	METRAL, Elias
09:40	[41] Status and recent highlights from ATLAS	WENGLER, Thorsten
10:05	[42] Status and recent highlights from LHCb	CHARLES, Matthew John

## Coffee (10:30-11:00)

## Opening Plenary: Chairs: Leif Lönnblad, Dave Charlton - Stora Salen (13 Jun 2016, 11:00-12:15)

time	[id] title	presenter
11:00	[43] Status and recent highlights from CMS	VAN MULDER, Petra
11:25	[44] Status and recent highlights from ALICE	ARSENE, Ionut Arsene
11:50	[45] Status and developments of event generators	SJOSTRAND, Torbjorn

## Lunch (12:15-13:30)

## Higgs (SM & BSM) Plenary: Chairs: Jim Olsen, Luca Fiorini - Stora Salen (13 Jun 2016, 13:30-15:30)

time	[id] title	presenter
13:30	[0] Theory overview of SM and BSM Higgs Physics	PETRIELLO, Frank
14:00	[1] Higgs boson results from the LHC Run-2	STRANDBERG, Jonas
14:30	[2] Higgs boson results from the LHC Run-1	DONATO, Silvio
15:00	[3] Beyond the SM Higgs searches	TANAKA, Junichi

## Coffee (15:30-16:00)

## Outreach: Parallel-IV - Konsertsalen (13 Jun 2016, 16:00-18:20)

-Conveners: Angelos Alexopoulos; Kate Shaw

time	[id] title	presenter
16:20	[188] CERN: Outreach in the International Context	Dr. SCHMELING, Sascha
16:35	[187] Worldwide Outreach	BECK, Hans Peter
16:50	[183] ATLAS and CMS Data Release & Tools	SOCHER, Felix
17:05	[186] LHC Masterclasses. Bringing Particle Physics into the Classroom: Present and Future	GLIGOROV, Vladimir
17:20	[184] LHC Experiments Communication & Engagement with New Audiences	HATZIFOTIADOU, Despina
17:35	[185] "STEAM: Education and Communication with Art at ATLAS and CMS"	PAOLUCCI, Pierluigi
17:50	[309] Panel Session: New Challenges in Outreach & Communication	

## QCD: (part 1) Parallel-II - Lilla Salen (13 Jun 2016, 16:00-18:00)

**-Conveners: Simone Alioli; Alessandro Tricoli; Ralf Matthias Ulrich**

time	[id] title	presenter
16:00	[102] Developments in QCD High Order calculations	BOUGHEZAL, Radja
16:20	[98] Measurements of vector boson with associated jet production and ratios with ATLAS	OWEN, Rhys Edward
16:37	[99] Measurements of vector boson with associated jet production and ratios with CMS	SEVA, Tomislav
16:55	[97] Monte Carlo developments and data comparison	FREDERIX, Rikkert
17:15	[100] Measurements of particle production, underlying event and double parton Interactions at the LHC	KUECHLER, Jan
17:40	[109] Impact of LHC measurements on parton density functions	MUELLER, Katharina

**Performance: Parallel-III - Nya Fest (13 Jun 2016, 16:00-18:00)****-Conveners: Michail Bachtis; Simone Pagan Griso; Barbara Storaci; Chiara Zampolli**

time	[id] title	presenter
16:00	[67] Luminosity calibration and measurement at the LHC	KOZANECKI, Witold
16:30	[63] Jet reconstruction and substructure measurements in ATLAS and CMS with first Run-2 data	MOZER, Matthias Ulrich
16:52	[64] Performance of tracking and b-tagging in ATLAS and CMS with first Run-2 data	MASIK, Jiri
17:14	[65] The ALICE data-flow: from calibration, to QA, through reconstruction	IVANOV, Marian
17:36	[66] Real-time physics: novel concepts for trigger, calibration & alignment, and data processing with LHCb	GRILLO, Lucia

**Higgs: (part 1) Parallel-I - Stora Salen (13 Jun 2016, 16:00-18:00)****-Conveners: Marco Zaro; André David; Carl Bryan Gwilliam**

time	[id] title	presenter
16:00	[134] Resummation ambiguities in the Higgs transverse-momentum spectrum in the Standard Model and beyond	BAGNASCHI, Emanuele Angelo
16:24	[135] 13 TeV non-BSM Higgs results from ATLAS	SOLANS SANCHEZ, Carlos
16:48	[136] 13 TeV non-BSM Higgs results from CMS	STUPAK, John
17:12	[137] Charged Higgs bosons in the extended supersymmetric scenario at the LHC	BANDYOPADHYAY, Priyotosh
17:36	[138] BSM H125 decays, NMSSM form ATLAS and CMS	CAILLOL, Cecile Sarah

**Reception & welcome address by Christina Sjöström (Deputy Mayor of the City of Lund) (18:30-20:00)**

## Tuesday 14 June 2016

### **QCD Plenary: Chairs: Caterina Doglioni, Gunnar Ingelman - Stora Salen (14 Jun 2016, 08:30-10:30)**

time	[id] title	presenter
08:30	[4] Theory overview of QCD physics at hadron colliders	SALAM, Gavin
09:00	[5] Soft QCD physics in pp collisions at the LHC	VILLALOBOS BAILLIE, Orlando
09:30	[6] Jet and photon physics in pp collisions at the LHC	CIULLI, Vitaliano
10:00	[7] Vector boson (plus jets) physics in pp collisions at the LHC	SANTANA RANGEL, Murilo

### **Coffee (10:30-11:00)**

### **Heavy Ion: (part 1) Parallel-I - Nya Fest (14 Jun 2016, 11:00-12:00)**

-Conveners: Konrad Tywoniuk; Aaron Angerami; Constantinos Loizides

time	[id] title	presenter
11:00	[68] Theory of pp/pA/small systems	BOZEK, Piotr
11:15	[69] New results related to QGP in small systems with ALICE	VISLAVICIUS, Vytautas
11:30	[70] New results related to QGP in small systems with ATLAS	TRZUPEK, Adam
11:45	[71] New results related to QGP in small systems with CMS	CHEN, Zhenyu

### **QCD: (part 2) Parallel-III - Konsertsalen (14 Jun 2016, 11:00-12:00)**

-Conveners: Simone Alioli; Alessandro Tricoli; Ralf Matthias Ulrich

time	[id] title	presenter
11:00	[103] QCD Results from LHCb	PASSALEVA, Giovanni
11:20	[104] Measurements of pp cross sections and properties of diffractive and forward physics	RADERMACHER, Ernst
11:40	[105] QCD results from Tevatron	HESKETH, Gavin

### **Higgs: (part 2) Parallel-IV - Stora Salen (14 Jun 2016, 11:00-12:00)**

-Conveners: Marco Zaro; André David; Carl Bryan Gwilliam

time	[id] title	presenter
11:00	[139] ATLAS High-mass MSSM H/A -> tautau search	PICKERING, Mark Andrew
11:20	[140] CMS ttH results	NTOMARI, Eleni
11:40	[141] Soft gluon resummation for associated ttH production at the LHC	THEEUWES, Vincent

### **Top: (part 1) Parallel-II - Lilla Salen (14 Jun 2016, 11:00-12:00)**

-Conveners: Maria Jose Costa; Andrea Giammanco; Malgorzata Worek

time	[id] title	presenter
11:00	[122] Calibration of the top-quark Monte-Carlo mass	MOCH, Sven-Olaf
11:20	[123] Status of top quark mass measurements	TOKAR, Stano
11:42	[124] Top quark properties from top decays (meant to include W-helicity, FCNC, Rb)	NASERI, Mohsen

### **Lunch (12:00-12:30)**

### **Poster Session (14 Jun 2016, 12:30-14:30)**

**SUSY: (part 1) Parallel-I - Stora Salen (14 Jun 2016, 14:30-16:00)****-Conveners: Tommaso Lari; Filip Moortgat; Christoffer Petersson**

time	[id] title	presenter
14:30	[146] SModelS: A tool for interpreting simplified-model results from the LHC	WALTENBERGER, Wolfgang
14:52	[147] Squark/gluino searches in hadronic channels with ATLAS	STRUBIG, Antonia
15:14	[148] Squark/gluino searches in hadronic channels with CMS	Dr. SAKUMA, Tai
15:36	[149] pMSSM studies with ATLAS and CMS	FAWCETT, William James

**Heavy Ion: (part 2) Parallel-II - Nya Fest (14 Jun 2016, 14:30-16:00)****-Conveners: Konrad Tywoniuk; Aaron Angerami; Constantinos Loizides**

time	[id] title	presenter
14:30	[72] nCTEQ15 nuclear parton distributions with uncertainties	JEZO, Tomas
14:45	[73] New results related to soft probes in PbPb at 5 TeV with ALICE	CHRISTENSEN, Christian Holm
15:05	[74] New results related to soft probes in PbPb at 5 TeV with ATLAS	BROOKS, William King
15:25	[75] New results related to soft probes in PbPb at 5 TeV with CMS	TU, Zhoudunming
15:45	[76] First LHCb Results from pA and PbPb collisions	MASSACRIER, Laure Marie

**QCD: (part 3) Parallel-III - Lilla Salen (14 Jun 2016, 14:30-16:00)****-Conveners: Simone Alioli; Alessandro Tricoli; Ralf Matthias Ulrich**

time	[id] title	presenter
14:30	[106] Developments in jet algorithms and substructure techniques	DASGUPTA, Mrinal
14:50	[107] Measurements of photon and jet production properties with ATLAS	MEYER, Christopher John
15:10	[108] Measurements of photon and jet production properties with CMS	FLOURIS, Giannis
15:30	[101] Anomalous couplings in WZ production beyond NLO QCD	ROTH, Robin
15:45	[234] An NLO+PS generator for top pair production and decay including non-resonant and interference effects	JEZO, Tomas

**Coffee (16:00-16:30)****Heavy Ions Plenary: Chairs: Bengt Lund-Jensen, Anders Oskarsson - Stora Salen (14 Jun 2016, 16:30-18:30)**

time	[id] title	presenter
16:30	[8] Theory overview of Heavy Ion collisions	LAPPI, Tuomas
17:00	[9] Soft probes in heavy ion collisions	BUFALINO, Stefania
17:30	[10] Hard probes in heavy ion collisions	RYBAR, Martin
18:00	[11] Results from proton-lead collisions	MISCHKE, Andre

**Concert (19:00-21:00)**

## Wednesday 15 June 2016

### **Electroweak Plenary:** Chairs: Andreas Hoecker, Juan Alcaraz Maestre - Stora Salen (15 Jun 2016, 08:30-10:30)

time	[id] title	presenter
08:30	[29] Theory overview of electroweak physics at hadron colliders	CAMPBELL, John
09:00	[30] Precision electroweak physics at hadron colliders	SCHOTT, Matthias
09:30	[31] Di-boson production at the LHC	LLORET IGLESIAS, Lara
10:00	[32] Multi-boson production, vector boson fusion & scattering processes at the LHC	NURSE, Emily Laura

### **Coffee (10:30-11:00)**

### **Electroweak: (part 1) Parallel-I** - Lilla Salen (15 Jun 2016, 11:00-12:30)

-Conveners: Katharina Mueller; Alexander Glazov; Jonas Lindert; Konstantinos Theofilatos

time	[id] title	presenter
11:00	[110] Diboson and multiboson results with ATLAS	BARNES, Sarah Louise
11:20	[111] Diboson and multiboson results with CMS	WOODS, Nate
11:40	[113] NNLO di-boson production	Dr. KALLWEIT, Stefan
12:00	[112] Vector boson scattering and fusion results from ATLAS and CMS	LI, Qiang
12:20	[114] Effective Field Theory and Unitarity in Vector Boson Scattering	SEKULLA, Marco

### **Higgs: (part 3) Parallel-III** - Stora Salen (15 Jun 2016, 11:00-12:30)

-Conveners: Marco Zaro; André David; Carl Bryan Gwilliam

time	[id] title	presenter
11:00	[142] Charged Higgs searches from ATLAS and CMS	OHMAN, Henrik
11:22	[143] High Mass neutral / MSSM Higgs searches from ATLAS	TUNA, Alexander Naip
11:44	[144] High Mass neutral / MSSM Higgs searches from CMS	DE WIT, Adinda
12:06	[145] Production of heavy Higgs bosons and decay into top quarks at the LHC	GALLER, Peter

### **Heavy Ion: (part 3) Parallel-II** - Nya Fest (15 Jun 2016, 11:00-12:30)

-Conveners: Konrad Tywoniuk; Aaron Angerami; Constantinos Loizides

time	[id] title	presenter
11:00	[77] Theory of hard probes in PbPb collisions	Dr. CHIEN, Yang-Ting
11:15	[78] New results related to hard probes in PbPb at 5 TeV with ALICE	GRONEFELD, Julius Maximilian
11:35	[79] New results related to hard probes in PbPb at 5 TeV with ATLAS	KOSEK, Tomas
11:55	[80] New results related to hard probes in PbPb at 5 TeV with CMS	GULHAN, Doga Can

### **Afternoon Excursions (12:30-19:30)**



## Thursday 16 June 2016

### **SUSY Plenary:** Chairs: [Mike Tuts](#), [Paris Sphicas](#) - Stora Salen (16 Jun 2016, 08:30-10:30)

time	[id] title	presenter
08:30	[12] Theory overview of searches for Supersymmetry	REECE, Matthew
09:00	[13] Inclusive searches for gluinos and squarks at the LHC	HODGKINSON, Mark
09:30	[14] SUSY searches in lepton and photon final states at the LHC	SCHULTE, Jan-Frederik
10:00	[15] Third generation SUSY searches at the LHC	HOPKINS, Walter

### **Coffee (10:30-11:00)**

### **Exotics & Dark Matter: (part 1) Parallel-I** - Stora Salen (16 Jun 2016, 11:00-12:30)

-Conveners: [Patrizia Azzi](#); [Francesco Dettori](#); [Koji Terashi](#); [Yonit Hochberg](#)

time	[id] title	presenter
11:00	[159] Searches for diboson resonances with ATLAS (VV, VH and HH, excl. diphoton resonance)	GREGERSEN, Kristian Anders
11:20	[160] Searches for diboson resonances with CMS (VV, VH and HH, excl. diphoton resonance)	DAMGOV, Jordan
11:40	[161] Diphoton resonance search with ATLAS	CHELSTOWSKA, Magda Anna
11:55	[162] Diphoton resonance search with CMS	FASANELLA, Giuseppe
12:10	[163] Possible di-photon signals, a theorist view	REDI, Michele

### **SUSY: (part 2) Parallel-II** - Lilla Salen (16 Jun 2016, 11:00-12:30)

-Conveners: [Tommaso Lari](#); [Filip Moortgat](#); [Christoffer Petersson](#)

time	[id] title	presenter
11:00	[150] Status of R-parity violating supersymmetry	MONTEUX, Angelo
11:22	[151] Squark/gluino in leptonic channels with ATLAS	PAGACOVA, Martina
11:44	[152] Squark/gluino in leptonic channels with CMS	LOBANOV, Artur
12:06	[153] Searches for Long-lived particles + RPV with ATLAS and CMS	TUCKER, Jordan

### **Top: (part 2) Parallel-III** - Nya Fest (16 Jun 2016, 11:00-12:30)

-Conveners: [Maria Jose Costa](#); [Andrea Giammanco](#); [Malgorzata Worek](#)

time	[id] title	presenter
11:00	[121] Top quark pair production in association with a jet with NLO QCD off-shell effects	KRAUS, Manfred
11:25	[125] Top quark pair cross section measurements in ATLAS	FAUCCI GIANNELLI, Michele
11:47	[126] Top quark pair cross section measurements in CMS	BROCHERO CIFUENTES, Javier
12:09	[127] Study of additional radiation in top quark pair events (meant to include top-pair + jets, b-jets, gap fractions)	ECKARDT, Christoph

### **Lunch (12:30-14:00)**

### **Electroweak: (part 2) Parallel-II** - Lilla Salen (16 Jun 2016, 14:00-16:00)

-Conveners: [Alexander Glazov](#); [Jonas Lindert](#); [Katharina Mueller](#); [Konstantinos Theofilatos](#)

time	[id] title	presenter
14:05	[118] Challenges in or results from W mass measurements with ATLAS and CMS	VRANJES, Nenad
14:25	[119] Drell-Yan production at NNLO+NNLL order	TACKMANN, Frank
14:45	[117] Vector Boson studies in LHCb (including AFB results from all experiments)	SANTANA RANGEL, Murilo
15:05	[115] Vector Boson studies with ATLAS	KIVERNYK, Oleh
15:25	[116] Vector Boson studies with CMS	APYAN, Aram
15:45	[120] NLO QCD+EW for V+jets	SCHOENHERR, Marek

#### **Heavy Flavour: (part 1) Parallel-I - Nya Fest (16 Jun 2016, 14:00-16:00)**

**-Conveners: paolo gambino; Vladimir Gligorov; Nuno Leonardo; Francesco Prino**

time	[id] title	presenter
14:00	[81] Production of open heavy flavours and quarkonia in pp collisions with ALICE	ZAMPOLLI, Chiara
14:20	[82] HF production results at 13 TeV with ATLAS	CANALE, Vincenzo
14:40	[83] HF production results at 13 TeV with CMS	BARTOSIK, Nazar
15:00	[95] New results in semileptonic beauty decays with LHCb	DUFOUR, Laurent
15:20	[85] New results in LU/LFV tests with LHCb	PRISCIANDARO, Jessica
15:40	[86] New physics facing LFU and LFV tests in B physics	Dr. KOSNIK, Nejc

#### **Top: (part 3) Parallel-III - Konsertsalen (16 Jun 2016, 14:00-16:00)**

**-Conveners: Maria Jose Costa; Andrea Giammanco; Malgorzata Worek**

time	[id] title	presenter
14:00	[128] Spin Polarisation of ttbar + gamma gamma production at NLO+PS	FREDERIX, Rikkert
14:20	[129] Top quark pair production in association with bosons ttV (V=W,Z,photon)	ZHOU, Chen
14:40	[130] Top quark pair charge asymmetry and spin correlation measurements	CHWALEK, Thorsten
15:00	[131] HATHOR for single top-quark production: Updated predictions and uncertainty estimates for single top-quark production in hadronic collisions	UWER, Peter
15:20	[132] Single top cross section and properties measurements in ATLAS	TEPEL, Fabian-Phillipp
15:40	[133] Single top cross section and properties measurements in CMS	KOMM, Matthias

#### **SUSY: (part 3) Parallel-IV - Stora Salen (16 Jun 2016, 14:00-16:00)**

**-Conveners: Tommaso Lari; Filip Moortgat; Christoffer Petersson**

time	[id] title	presenter
14:00	[154] A toolbox for diphoton model building	Dr. KRAUSS, Manuel E.
14:24	[155] Baryon number violation in supersymmetry: Neutron-antineutron oscillations as a probe beyond the LHC	MILSTEAD, David Anthony
14:48	[156] Third generation SUSY searches in ATLAS	SCHAFFER, Jan
15:12	[157] Third generation SUSY searches in CMS	CHABERT, Eric
15:36	[158] Searches for Stealth or compressed SUSY with ATLAS and CMS	ZEVI DELLA PORTA, Giovanni

#### **Coffee (16:00-16:30)**

#### **Exotics & Dark Matter Plenary: Chairs: Alejandro Nisati, Roman Pasechnik - Stora Salen (16 Jun 2016, 16:30-18:30)**

time	[id] title	presenter
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16:30	[33] Theory overview of new phenomena (non-SUSY)	POMAROL, Alex
17:00	[34] Search for Dark Matter in X+MET signatures at the LHC	FROST, James
17:30	[35] Search for new physics in fermionic final states at the LHC	SCHMIDT, Alexander
18:00	[36] Search for new physics in bosonic final states at the LHC	HINZMANN, Andreas

**Public Lecture (in Swedish) (16 Jun 2016, 20:00-21:30)**

## Friday 17 June 2016

### **Heavy Flavour Plenary: Chairs: Vincenzo Vagnoni, Johan Bijnens - Stora Salen (17 Jun 2016, 08:30-10:30)**

time	[id] title	presenter
08:30	[17] Theory overview of heavy flavour physics	JUNG, Martin
09:00	[18] Heavy flavour production and spectroscopy at the LHC	KREPS, Michal
09:30	[19] CP violation, mixing and semileptonic decays in beauty and charm at the LHC	NEEDHAM, Matthew David
10:00	[20] Rare decays of flavoured mesons at the LHC	PUIG NAVARRO, Albert

### **Coffee (10:30-11:00)**

### **Future Colliders: Parallel-III - Lilla Salen (17 Jun 2016, 11:00-12:30)**

-Conveners: Halina Abramowicz; Markus Klute; Giovanni Passaleva; Kevin Einsweiler; Andrea Dainese

time	[id] title	presenter
11:00	[174] Overview of future lepton collider plans	PEREZ, Emmanuel Francois
11:25	[175] Overview of future pp collider plans	DE ROECK, Albert
11:50	[176] SM and Higgs at future machines (both ee and pp)	GRAY, Heather
12:10	[177] BSM physics at future machines (mainly pp)	GOLLING, Tobias

### **Exotics & Dark Matter: (part 2) Parallel-I - Stora Salen (17 Jun 2016, 11:00-12:45)**

-Conveners: Patrizia Azzi; Francesco Dettori; Koji Terashi; Yonit Hochberg

time	[id] title	presenter
11:00	[310] Searches for Vector-Like Quarks with ATLAS and CMS	MARLEY, Daniel
11:20	[165] Searches for heavy resonances with ATLAS (ll,jj,bb,tt, tb, LQ, ...)	OKUMURA, Yasuyuki
11:35	[166] Searches for heavy resonances with CMS (ll,jj,bb,tt, tb, LQ, ...)	MC LEAN, Christine Angela
11:50	[167] Searches for heavy neutrinos, LFV	NANDAKUMAR, Raja
12:05	[164] First results from the MoEDAL experiment	PINFOLD, James

### **Heavy Flavour: (part 2) Parallel-II - Nya Fest (17 Jun 2016, 11:00-12:30)**

-Conveners: paolo gambino; Vladimir Gligorov; Nuno Leonardo; Francesco Prino

time	[id] title	presenter
11:00	[84] HF Production results at 13 TeV with LHCb	NEUNER, Max
11:15	[89] New results in beauty and charm spectroscopy with LHCb	CARDINALE, Roberta
11:30	[87] HF spectroscopy and exotica with ATLAS	IENGO, Paolo
11:45	[88] HF spectroscopy and exotica with CMS	POMPILI, Alexis
12:00	[90] Interpretation of recent results on spectroscopy	Dr. POLOSA, Antonello
12:15	[316] Discussion	

### **Lunch (12:30-13:30)**

### **Top Plenary: Chairs: Tiziano Camporesi, Johan Rathsman - Stora Salen (17 Jun 2016, 13:30-15:30)**

time	[id] title	presenter
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13:30	[21] Theory overview of top physics	MITOV, Alexander Dimitrov
14:00	[22] Top-quark production at hadron colliders	KNUE, Andrea Helen
14:30	[23] Top-quark properties	FERNANDEZ MENENDEZ, Javier
15:00	[24] Single top production and properties at the LHC	SKOVPEN, Kirill

**Coffee (15:30-16:00)****Heavy Flavour: (part 3) Parallel-II - Nya Fest (17 Jun 2016, 16:00-18:00)**

-Conveners: paolo gambino; Vladimir Gligorov; Nuno Leonardo; Francesco Prino

time	[id] title	presenter
16:00	[91] HF decay properties with ATLAS	CARLI, Ina
16:20	[92] HF decay properties with CMS	BARTOSIK, Nazar
16:40	[96] Predictions for $B \rightarrow K^{(*)} l \bar{l}$ : problems and prospects	MATIAS, Joaquim
17:00	[93] CPV in beauty decays with LHCb	MEIER, Frank
17:20	[94] CPV in charm decays with LHCb	DERKACH, Denis
17:40	[306] Test of the Standard Model and Search for New Physics Using Unitarity Triangle Fits	PAUL, Ayan

**Upgrade (LHC & experiments): Parallel-III - Konsertsalen (17 Jun 2016, 16:00-18:00)**

-Conveners: Halina Abramowicz; Andrea Dainese; Kevin Einsweiler; Markus Klute; Giovanni Passaleva

time	[id] title	presenter
16:00	[178] HL-LHC machine	ARDUINI, Gianluigi
16:25	[179] SM and Higgs at HL-LHC	KRIEGER, Peter
16:48	[180] BSM at HL-LHC	CLERBAUX, Barbara
17:11	[181] Flavour at HL-LHC	PUNZI, Giovanni
17:34	[182] Heavy ions at HL-LHC	URAS, Antonio

**Exotics & Dark Matter: (part 3) Parallel-I - Lilla Salen (17 Jun 2016, 16:00-18:00)**

-Conveners: Patrizia Azzi; Francesco Dettori; Koji Terashi; Yonit Hochberg

time	[id] title	presenter
16:00	[168] Searches for long-lived heavy particles, HSCP, monopoles (ATLAS+CMS)	LENZ, Teresa
16:20	[169] Displaced signatures and new techniques	KUFLIK, Eric
16:40	[170] Searches for dark matter production with ATLAS (MET+X)	POTTGEN, Ruth
17:00	[171] Searches for dark matter production with CMS (MET+X)	Dr. JAYATILAKA, Bo
17:20	[172] Searches for exotic new physics with LHCb	RACHWAL, Bartlomiej
17:40	[173] Semi-visible topologies at the LHC	LOU, Hou Keong

**Banquet - Stora Salen (19:30-23:30)**

## Saturday 18 June 2016

### **Plenary upgrade: Chairs: Srinj Rajagopalan, Haijun Yang - Stora Salen (18 Jun 2016, 08:30-10:00)**

time	[id] title	presenter
08:30	[25] ALICE upgrade plans & potential	ANTONIOLI, Pietro
08:53	[26] LHCb upgrade plans & potential	CARDINI, Alessandro
09:16	[27] ATLAS upgrade plans & potential	HENRIQUES CORREIA, Ana Maria
09:39	[28] CMS upgrade plans & potential	BELLONI, Alberto

### **Coffee (10:00-10:30)**

### **Closing Plenary: Chairs: Gregorio Bernardi, Guenakh Mitselmakher - Stora Salen (18 Jun 2016, 10:30-13:10)**

time	[id] title	presenter
10:30	[46] News from the LHCP IAC meeting	TOKUSHUKU, Katsuo
10:40	[47] CERN, status and outlook	ELSEN, Eckhard
11:15	[48] What do we know from astronomy about Dark Matter in the Universe?	READ, Justin
11:50	[49] Experimental summary	EINSWEILER, Kevin
12:25	[50] Theory vision	WILCZEK, Frank
13:00	[51] Closing remarks	