

ITk Week at CERN

Monday, 28 January 2019 - Friday, 1 February 2019

Programme

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Monday 28 January 2019

Pixel Services and Mechanics - 40-S2-C01 - Salle Curie (09:00-10:30)

time	[id] title	presenter
09:00	[98] Services Estimate Discussion	ALVAREZ FEITO, Diego PATER, Jo HAMER, Matthias HARTMAN, Neal David

Strip Sensors - 40-S2-D01 - Salle Dirac (09:00-10:30)

-Conveners: Vitaliy Fadeyev; Miguel ULLAN; Yoshinobu Unno

time	[id] title	presenter
09:00	[1] Introduction	ULLAN, Miguel FADEYEV, Vitaliy UNNO, Yoshinobu
09:10	[26] Conclusion of MS and last prototyping orders	FADEYEV, Vitaliy
09:30	[27] Max-HV meeting summary and decision	AFFOLDER, Tony
09:45	[28] Tendering timeline, specification discussion	UNNO, Yoshinobu

Strip Sensors - 40-S2-D01 - Salle Dirac (11:00-13:00)

-Conveners: Yoshinobu Unno; Vitaliy Fadeyev; Miguel ULLAN

time	[id] title	presenter
11:00	[29] FDR preparations plan	ULLAN, Miguel
11:30	[30] QC documentation and plan	HOMMELS, Bart
12:00	[97] QC tests: strip measurement automation	KLEIN, Christoph Thomas KOFFAS, Thomas
12:15	[130] Status of QC tests preparations in Japan	HARA, Kazuhiko
12:30	[31] QA documentation and plan	ALLPORT, Philip Patrick

Pixel Services and Mechanics - 40-S2-C01 - Salle Curie (11:00-13:00)

time	[id] title	presenter
11:00	[99] Optolink Investigations	MIUCCI, Antonio FEHR, Armin
11:25	[100] Module Pigtail Development Status	VILALTE, Sebastien
11:45	[101] PSPP / PATT Status	LEHMANN, Niklaus
12:05	[102] Interlock and env. monitoring	KERSTEN, Susanne
12:15	[103] PP1	JANDA, Martin

Pixel Services and Mechanics - 40-S2-C01 - Salle Curie (14:00-15:30)

time	[id] title	presenter
14:00	[105] PP1 connectors for Type-2 cable	SICHO, Petr
14:20	[106] Development of e-breaks	DELEBECQUE, Pierre
14:40	[131] Status of grounding and shielding discussion	GRILLO, Alex

Strip ASICs - 40-S2-D01 - Salle Dirac (14:00-15:30)**-Conveners: Paul Keener; Laura Gonella**

time	[id] title	presenter
14:00	[45] Introduction	GONELLA, Laura KEENER, Paul
14:10	[46] Results of ABCStar functional tests	GALLOP, Bruce PHILLIPS, Peter
14:30	[54] ABCStar x-ray irradiations	SAWYER, Craig Anthony
14:45	[47] Results of HCCStar functional tests	DANDOY, Jeff NEWCOMER, Mitchell Franck
15:05	[48] AMAC update	REICHERT, Joseph Patrick
15:15	[53] SEE tests discussion	GONELLA, Laura

ITk Sim/Perf - 6-2-024 - BE Auditorium Meyrin (14:00-16:00)**-Conveners: Ben Harry Smart**

time	[id] title	presenter
14:00	[109] Introduction	SMART, Ben Harry
14:05	[110] ITk Pixel Simulation	COSTANZA, Francesco
14:25	[111] ITk Strips Simulation (TBC)	HAYWARD, Helen
14:45	[112] Pub Note Based On Layout Task Force And Latest Tracking Results	GOBLIRSCH-KOLB, Maximilian Emanuel
15:15	[113] Silicon Radiation Damage Group Proposal	NACHMAN, Ben BOMBEN, Marco
15:30	[114] Recommendations On The Future Of ITk Simulation And Performance	SMART, Ben Harry

Pixel Services and Mechanics - 40-S2-C01 - Salle Curie (16:00-18:00)

time	[id] title	presenter
16:00	[95] Discussion of relevant new RD53B Features	GARCIA-SCIVERES, Maurice
16:20	[132] Direct data transmission measurements	Mr YOUNG, Andrew

Strip Modules - 40-S2-D01 - Salle Dirac (16:00-18:00)**-Conveners: Ingo Bloch; Craig Anthony Sawyer**

time	[id] title	presenter
16:00	[121] Introduction	SAWYER, Craig Anthony BLOCH, Ingo
16:10	[123] Barrel hybrids and tooling	WONSAK, Sven
16:30	[124] EC hybrids and tools	SPERLICH, Dennis
16:50	[125] Barrel powerboards	OTTINO, Gregory James KRIZKA, Karol
17:05	[122] Module cold box progress	ROSIN, Guy
17:35	[126] Brain storm on the consequences of the HV decision	BLOCH, Ingo

17:45 [127] Peripheral counting and preparation

SAWYER, Craig Anthony

Tuesday 29 January 2019

ITk TDAQ - 6-2-024 - BE Auditorium Meyrin (09:00-10:30)

-Conveners: **Giovanna Lehmann Miotto; Joern Grosse-Knetter**

time	[id] title	presenter
09:00	[55] Status of LTI	PAULY, Thilo
09:20	[56] Discussion: LTI / trigger needs of ITk	
09:40	[116] FELIX firmware blocks	TEOH, Jia Jian
10:00	[117] FELIX hardware prototyping	CHEN, Hucheng

Pixel Mechanics - 40-S2-C01 - Salle Curie (09:00-10:30)

Strip Production Management - 40-S2-D01 - Salle Dirac (09:00-10:30)

What we would like to do is take the session to run through the build parts (as far back as possible) and how we aim to identify, name and, where appropriate, use serial numbers for their lifetime.

Also, it would be great to include how we envisage ITSDAQ will track and name what it tests, and how this would relate to the physical names we give to hybrids, power board, modules etc.

time	[id] title	presenter
09:00	[20] Agreeing on part identifiers, codes, and names for Pre-Production	BLUE, Andrew DETTE, Karola POLEY, Luise

Common Items - Cooling (parallel) - 6-2-024 - BE Auditorium Meyrin (11:00-13:00)

-Conveners: **Georg Viehhauser; Eric Anderssen**

time	[id] title	presenter
11:00	[32] Cooling specs review outcome	TROPEA, Paola
11:30	[33] Baby demo status report	BORTOLIN, Claudio
12:00	[34] Plans for studies of welding next to electronics	MATHESON, John
12:20	[108] The ITk common Interlock system	KERSTEN, Susanne

Strip LSE - 40-S2-D01 - Salle Dirac (11:00-13:30)

time	[id] title	presenter
11:00	[13] Measurements on final prototype bus tapes	WEIDBERG, Anthony
11:15	[14] Tape front back alignment and length precision	HABER, Carl
11:30	[15] Bus Tape QA	WEIDBERG, Anthony
11:45	[16] Bus Tape Robot at DESY	LANG, Valerie
12:00	[9] DCDC for EoS (by Vidyo)	DAM, Mogens
12:15	[7] EoS status	GOETTLICHER, Peter
12:30	[8] Discussion on open issues - ASICs, Glainair connector integration, 640Mbit/s	

Pixel Sensors - 40-S2-C01 - Salle Curie (11:00-13:00)**-Conveners: Koji Nakamura; Jens Weingarten**

time	[id] title	presenter
11:00	[73] Introduction	WEINGARTEN, Jens
11:10	[74] Planar Market Survey Status	GISEN, Andreas
11:25	[86] Testbeam plans	Dr RUMMLER, Andre LANGE, Joern BOMBEN, Marco
11:40	[75] Pixel size issues	MACCHIOLO, Anna BEYER, Julien-Christopher NAKAMURA, Koji
11:55	[76] UK RD53A results	BUTTAR, Craig Dr MANEUSKI, Dima WRAIGHT, Kenneth Gibb Dr BATES, Richard
12:10	[77] Updates from IFAE/CNM	TERZO, Stefano
12:25	[78] Updates from Norway/SINTEF	ROHNE, Ole
12:40	[79] Updates from Genova/FBK	COCCARO, Andrea GEMME, Claudia OIDE, Hideyuki

Pixel Serial Powering Task Force - 40-R-C10 (13:30-15:00)**-Conveners: Daniela Bortoletto**

time	[id] title	presenter
13:30	[68] Introduction	BORTOLETTO, Daniela
13:35	[69] The CMS experience	CHRISTIANSEN, Jorgen ORFANELLI, Stella
14:05	[70] Cooling Failures and the PPSP	ALVAREZ FEITO, Diego
14:25	[71] Experience from the current detector (TBC)	LANTZSCH, Kerstin
14:50	[72] Discussion	

Common Items - Mechanics - 6-2-024 - BE Auditorium Meyrin (14:00-15:30)**-Conveners: Georg Viehhauser; Eric Anderssen; Richard Teuscher; Alex Grillo**

time	[id] title	presenter
14:00	[35] Common mechanics and engineering organisation	ANDERSSEN, Eric
14:20	[36] Envelope model status	JANDA, Martin
14:40	[37] OSV service design updates	JANDA, Martin
15:00	[38] Global structures FDR – outcome and next steps	ANDERSSEN, Eric

Common electronics - 6-2-024 - BE Auditorium Meyrin (15:30-16:05)**-Conveners: Richard Teuscher; Alex Grillo**

time	[id] title	presenter
15:30	[118] Common Electronics - Introduction	GRILLO, Alex TEUSCHER, Richard

15:45	[119] Grounding & Shielding	GRILLO, Alex
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Common Items - Environment and its monitoring - 6-2-024 - BE Auditorium Meyrin (16:10-18:00)

-Conveners: Georg Viehhauser; Alex Grillo; Richard Teuscher

time	[id] title	presenter
16:10	[39] ITk humidity environment - Nitrogen flow strategy	ORIUNNO, Marco
16:25	[40] ITk humidity environment - Humidity monitoring	ORIUNNO, Marco
16:35	[41] Environment temperature monitoring	
16:50	[42] Environment temperature monitoring - Sensor precision required	VERLAAT, Bart
17:00	[43] Radiation monitors	MANDIC, Igor
17:15	[44] Thermal enclosure	ORIUNNO, Marco

Risk Analysis - 6-2-024 - BE Auditorium Meyrin (18:00-20:00)

-Conveners: James Proudfoot

time	[id] title	presenter
18:00	[22] Introduction and plan for session	PROUDFOOT, James
18:10	[23] Update Strip System Risk	WILMUT, Ian
19:10	[24] Update pixel system risks	GIUGNI, Danilo GIUGNI, Danilo
19:40	[25] A.O.B.	

Wednesday 30 January 2019

Pixel Modules - 40-S2-C01 - Salle Curie (09:00-10:30)

time	[id] title	presenter
09:00	[80] Thermal cycling test of modules in Japan	TOGAWA, Manabu
09:10	[81] Thermal cycling tests of modules at Göttingen	GROSSE-KNETTER, Joern
09:20	[128] Thermal cycling tests on Indium bumped daisy chain modules	MONZANI, Simone
09:30	[82] Report from the module assembly WG	METCALFE, Jessica
09:40	[83] Report from the common flex hybrid WG	CITTERIO, Mauro
09:50	[129] HV resistor on the module flex hybrid	HAMER, Matthias
10:00	[85] RD53A wafer probing and testing	DAAS, Michael

Strip endcap production planning - 513-1-024 (09:00-12:30)

time	[id] title	presenter
09:00	[148] Status of prototyping and production flow outlook	
10:00	[149] Availability of material (sensors, ASICs etc)	

Strip barrel production planning: FDR deliverables - 40-S2-D01 - Salle Dirac (09:00-10:30)

time	[id] title	presenter
09:00	[57] Availability of sensors	FADEYEV, Vitaliy
09:15	[58] Availability of hybrids	GREENALL, Ashley WONSAK, Sven
09:30	[59] Availability of ASICs	KEENER, Paul
09:45	[60] Availability of powerboards	KRIZKA, Karol HEIM, Timon
10:00	[61] Availability of stave cores	
10:15	[62] Availability of QC/QA setups	

Strip endcap production planning - 513-1-024 (11:00-13:00)

time	[id] title	presenter
11:00	[151] Status of test setups	
11:30	[134] Site qualification	
12:00	[135] Preparation of preproduction/production	

Strip barrel production planning: Beyond FDR deliverables - 40-S2-D01 - Salle Dirac (11:00-13:00)

time	[id] title	presenter
11:00	[63] Site qualifications	
11:30	[64] Combined orders	
12:00	[65] Common QA	

Pixel System Test and Integration -> Summary session of ITk Pixel QA/QC workshop - 40-S2-C01 - Salle Curie**(11:00-13:10)****Details of the session will be defined at the end of the ITk Pixel QA/QC Workshop**

time	[id] title	presenter
11:00	[66] Workshop Summary	KUEHN, Susanne
11:10	[146] Short summaries of sessions	
11:55	[147] Thermal cycling	
12:20	[67] Templates and open tasks	

Strip Global/Integration - 40-S2-D01 - Salle Dirac (14:00-15:45)

time	[id] title	presenter
14:00	[49] GS FDR results summary	VREESWIJK, Marcel
14:15	[52] Barrel FDR plans	EVANS, Charles Peter
14:30	[50] EC - temperature cycling CF structures	VAN DONGEN, Jesse
14:45	[51] Sealing OC-BH-GSM-ECpatchpanel	TARRANT, Jason Stuart ORIUNNO, Marco

Pixel General - 40-S2-C01 - Salle Curie (14:00-15:30)

time	[id] title	presenter
14:00	[17] Report from the Data Transmission Task Force	FERRERE, Didier

Strip local support and mounting - 40-S2-D01 - Salle Dirac (16:00-18:00)**-Conveners: Jeffery Loyd Ashenfelter; Sergio Diez Cornell; Jens Dopke; Bernd Stelzer**

time	[id] title	presenter
16:00	[3] Evaluating the need of high granularity delamination detection	WEIDBERG, Anthony
16:10	[2] QC techniques to detect core delamination	WEIDBERG, Anthony ASHENFELTER, Jeffery Loyd
16:25	[19] Stave shipping tests	LYNN, David ROSIN, Guy
16:35	[5] Orbital welding of thin Ti pipes	POBLOTZKI, Frauke DIEZ CORNELL, Sergio
16:50	[6] Stave thermal shock measurements	HEIDORN, William Dale
17:05	[10] Update on petal module loading	STELZER, Bernd BEAUPRE, Scott Lee
17:20	[11] Update on stave module loading	DOPKE, Jens BERGSTEN, Laura Jean
17:35	[21] Update on glue deposition	SCHILLACI, Zach SCHILLACI, Zachary Michael

17:40	[12] Preparation of documents for FDR	STELZER, Bernd ASHENFELTER, Jeffery Loyd DOPKE, Jens DIEZ CORNELL, Sergio
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Pixel General - 40-S2-C01 - Salle Curie (16:00-18:00)

time	[id] title	presenter
16:00	[91] RD53A/MS Status	CALDERINI, Giovanni
16:20	[92] Report from the Serial Powering Task Force	BORTOLETTO, Daniela
16:40	[94] Pixel iMoU and New Organization	MORETTINI, Paolo
17:00	[93] LTF Recommendation #3: removing one data link in L1.	WRAIGHT, Kenneth Gibb

ITk Institute Board - 40-S2-C01 - Salle Curie (18:00-20:00)

-Conveners: Philip Patrick Allport

Thursday 31 January 2019

Strip Cable/Power Supplies - 40-S2-D01 - Salle Dirac (09:00-10:30)

-Conveners: Jose Bernabeu Verdu; Ewa Stanecka

time	[id] title	presenter
09:00	[18] PP2 status update	DABROWSKI, Wladyslaw

Pixel Sensors - 40-2-A01 (09:00-10:30)

-Conveners: Jens Weingarten; Mathieu Benoit; Attilio Andreazza; Koji Nakamura; Heinz Pernegger

time	[id] title	presenter
09:00	[87] Atlaspix3 design	PERIC, Ivan
09:29	[88] Atlaspix1/2 test	
09:44	[89] TSI qualification	SCHOENING, Andre
09:54	[90] TJ design and tests	SNOEYS, Walter

Strip General - 40-S2-D01 - Salle Dirac (11:00-13:00)

time	[id] title	presenter
11:00	[136] Introduction- MoU/non-core spend, P2UG review process	AFFOLDER, Tony
11:30	[137] Project Engineer	VREESWIJK, Marcel
11:45	[138] Schedule Update - Including Past/Upcoming Technical Review	LACASTA LLACER, Carlos
12:05	[139] Production Management/Planning Summary	BLUE, Andrew

ITk General Meeting - 40-S2-D01 - Salle Dirac (14:00-17:30)

time	[id] title	presenter
14:00	[140] Introduction	GEMME, Claudia Dr MCMAHON, Stephen
14:20	[141] Layout Task Force recommendations and next steps	ELSING, Markus
14:40	[142] Pixel Highlights	GRENIER, Philippe
15:00	[143] Strip Highlights	SPERLICH, Dennis
15:20	[144] The ITk Database: Status	BERANEK, Marek
15:40	[145] QA/QC status in ITk	BLUE, Andrew KUEHN, Susanne

ITk Steering Meeting - 40-S2-D01 - Salle Dirac (18:00-20:00)

reserved to ITk Steering group

<https://indico.cern.ch/event/789862/>

Friday 01 February 2019

Review #1 - 40-S2-D01 - Salle Dirac (09:00-13:30)

SPR ITk common environmental monitoring and interlocking

<https://indico.cern.ch/event/781529/>