

RD51 Collaboration Meeting and Topical Workshop on FE electronics for gas detectors

Tuesday 15 June 2021

Topical Workshop on Front End Electronics for Gas Detectors: Lectures (14:00 - 16:05)

-Conveners: Silvia Dalla Torre; Leszek Ropelewski

time	[id] title	presenter
14:00	[79] Welcome and Intro	ROPELEWSKI, Leszek DALLA TORRE, Silvia
14:05	[74] Introduction to Front-End Electronics for Particle Detectors	LODDO, Flavio LODDO, Flavio
14:35	[75] Strategies for Integration between FE Electronics and Detectors	LIBERTI, Barbara CARDARELLI, Roberto
15:05	[76] Design of a Front-End ASIC for the New Small Wheel - Front-end design in CMOS	DE GERONIMO, Gianluigi DE GERONIMO, Gianluigi
15:35	[77] ROC chips for timing	DE LA TAILLE, Christophe

Topical Workshop on Front End Electronics for Gas Detectors: Applications (16:20 - 18:30)

-Conveners: Paul Colas; Eraldo Oliveri

time	[id] title	presenter
16:20	[78] Intro	OLIVERI, Eraldo COLAS, Paul
16:25	[80] Time Projection Chambers	COLAS, Paul COLAS, Paul COLAS, Paul
16:50	[81] Nuclear Physics	PANCIN, Julien PANCIN, Julien
17:15	[82] Drift Chamber / Cluster Counting	GRANCAGNOLO, Francesco GRANCAGNOLO, Francesco
17:40	[83] Electronics for timing detectors: the CMS PPS timing system	BOSSINI, Edoardo
18:05	[84] Neutrons	HALL-WILTON, Richard

Wednesday 16 June 2021

Topical Workshop on Front End Electronics for Gas Detectors: Applications (14:00 - 14:50)

-Conveners: Paul Colas; Eraldo Oliveri

time	[id] title	presenter
14:00	[85] Calorimetry	LAKTINEH, Imad LAKTINEH, Laktineh LAKTINEH, Laktineh
14:25	[86] Tracking and Triggering	FELICI, Giulietto

Topical Workshop on Front End Electronics for Gas Detectors: Discrete Electronics (14:50 - 15:35)

-Conveners: Hans Muller

time	[id] title	presenter
14:50	[87] Intro	MULLER, Hans
14:55	[88] BIS78 RPC RO	PIZZIMENTO, Luca PIZZIMENTO, Luca
15:15	[89] APIC, a study case for discrete detector electronics	MULLER, Hans

Topical Workshop on Front End Electronics for Gas Detectors: Discussion (15:35 - 15:55)

Topical Workshop on Front End Electronics for Gas Detectors: Digitizers (16:10 - 16:55)

-Conveners: Nicola Minafra

time	[id] title	presenter
16:10	[90] Fast Digitizer for Particle Physics	MINAFRA, Nicola
16:25	[91] Architecture of the SAMPIC digitizer	BRETON, Dominique Robert
16:40	[92] Fast timing electronics R&D based on waveform digitization	QIN, Jiajun QIN, Jiajun

Topical Workshop on Front End Electronics for Gas Detectors: Pixel Chips (16:55 - 18:30)

-Conveners: Jochen Kaminski

time	[id] title	presenter
16:55	[93] Intro	KAMINSKI, Jochen
17:00	[94] TimePix and MediPix	CAMPBELL, Michael
17:20	[95] Pixel Integration - GridPix	KAMINSKI, Jochen
17:40	[96] Pixel Integration - GEMPix	MURTAS, Fabrizio
18:00	[121] Pixel chip development for tracking type gaseous detectors	ROMANIOUK, Anatoli
18:15	[97] Discussion (pixels)	KAMINSKI, Jochen

Thursday 17 June 2021

Topical Workshop on Front End Electronics for Gas Detectors: Linear Chips (14:00 - 15:50)

-Conveners: Marco Bregant; Sorin Martoiu

time	[id] title	presenter
14:00	[98] Intro	MARTOIU, Sorin
14:30	[99] ROC (OMEGA) Family	CALLIER, Stephane CALLIER, Stephane
14:40	[101] nXYTER	KASIŃSKI, Krzysztof KASINSKI, krzysztof
14:50	[102] GEMROC (AGH)	FIUTOWSKI, Tomasz Andrzej
15:00	[103] TIGER	DA ROCHA ROLO, Manuel Dionisio DA ROCHA ROLO, Manuel Dionisio
15:10	[104] New ASIC (INFN TO)	DA ROCHA ROLO, Manuel Dionisio DA ROCHA ROLO, Manuel Dionisio
15:20	[105] VFAT	LICCIULLI, Francesco
15:30	[106] New ASIC (INFN Ba)	LICCIULLI, Francesco
15:40	[100] VMM	IAKOVIDIS, George

Topical Workshop on Front End Electronics for Gas Detectors: Linear Chips (16:10 - 17:10)

-Conveners: Sorin Martoiu; Marco Bregant

time	[id] title	presenter
16:10	[107] AFTER/AGET	BARON, Pascal
16:20	[108] SAMPA	BREGANT, Marco
16:30	[109] New ASIC (TPC)	NEYRET, Damien NEYRET, Damien
16:40	[110] WASA	DENG, Zhi DENG, Zhi
16:50	[111] PADI	CIOBANU, Mircea Iuliu
17:00	[113] GEMINI	ABBA, Andrea

Topical Workshop on Front End Electronics for Gas Detectors: TDC (17:10 - 17:40)

time	[id] title	presenter
17:10	[112] PicoTDC	CHRISTIANSEN, Jorgen

Topical Workshop on Front End Electronics for Gas Detectors: Discussion (17:40 - 18:30)