Vertex 2016

The 25th International Workshop on Vertex Detectors

A forum to exchange the experiences and needs of the community, and to review recent, ongoing, and future activities on silicon-based vertex detectors

La Biodola (Isola d'Elba, Italy)   25-30 September 2016

Program Summary

Sunday, Sep. 25	Monday, Sep. 26	Tuesday, Sep. 27	Wednesday, Sep. 28	Thursday, Sep. 29	Friday, Sep. 30	Saturday, Oct. 1
	9:00 - 10:45	9:00 - 10:30	9:00 - 10:30	9:00 - 10:30	9:00 - 10:30	6:30
Arrival	Welcome Operational experience on current detectors Chair: R. Dell'Orso	Detectors in design and construction Chair: F. Ligabue	Applications to medical and other fields Chair: G. Rizzo	New developments and detector R&D Chair: C. Da Via	Online and offline tracking and vertexing Chair: F. Palla	Bus departure to Roma FCO airport
	coffee break	*coffee break*	*coffee break*	*coffee break*	*coffee break*	
	11:15 - 12:45	11:00 - 12:30	11:00 - 12:30	11:00 - 12:30	11:00 - 12:30	
	Operational experience on current detectors Chair: L. Rossi	Detectors in design and construction Chair: G.M. Bilei	Applications to medical and other fields Chair: S. Bettarini	New developments and detector R&D Chair: M. Boscardin	Online and offline tracking and vertexing Chair: A. Schöning	
	lunch	*lunch*	*lunch*	*lunch*	*lunch*	
	16:00 - 17:30	16:00 - 18:00	15:00 - 19:30	16:00 - 17:30	16:00 - 17:30	
17:00	Operational experience on current detectors Chair: R. Brenner	Detectors in design and construction Chair: D. Bortoletto	Excursion	Radiation Hardness and Simulations Chair: A. Messineo	Vertexing at future accelerators Chair: M. Morello	
	coffee break	*coffee break*		*coffee break*	*coffee break*	
	18:00 - 19:30	18:00 - 19:30		18:00 - 19:30	18:00 - 19:30	
Registration open	Detectors in design and construction Chair: M. Vos	Wine and cheese poster and industry session Parking area		Electronics and system integration Chair: V. Re	Vertexing at future accelerators Workshop summary Chair: F. Forti	
19:30						
Welcome cocktail at Hotel Hermitage						
20:30	20:30	20:30	20:30	20:30	20:30	
dinner at own hotel	dinner at own hotel	dinner at own hotel	dinner at own hotel	social dinner - Maitù	dinner at own hotel	

Detailed Program

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	Welcome					Bus departure to Roma FCO airport
	Highlights of the Pixel 2016 workshop	The LHCb VeLo for Phase 1 upgrade	R&D networks and opportunities	Small pitch 3D devices	FTK status and perspectives for track trigger in ATLAS at HL-LHC	
	ALICE ITS operational experience	The LHCb UT for Phase 1 upgrade	Applications of vertexing detectors	SOI Monolithic pixel detector technology	The CMS track trigger for the High Luminosity LHC	
	LHCb silicon detectors: Run 2 operational experience	The upgrade of the ALICE ITS	Vertexing and tracking in hadrotherapy	Micro channel cooling solutions for silicon detectors	Tracking in high multiplicity events	
Arrival	coffee break	coffee break	coffee break	coffee break	coffee break	
	11:15 - 12:45	11:00 - 12:30	11:00 - 12:30	11:00 - 12:30	11:00 - 12:30	
	ATLAS IBL operational experience	The upgrade of the CMS pixel detector for phase 1	DepFET Direct Electron Detectors for time-resolved imaging applications	Low gain avalanche devices	Using precision timing information in high rate and high pileup conditions	
	ATLAS Tracker and pixel operational experience	The CMS Silicon Pixel detector for HL-LHC	XFEL Detector Developments	High fluence effects on silicon detectors: damage and defects characterization	Investigating the Micron Automata Processor for HEP Pattern Recognition Applications	
	CMS Tracker operational experience	The CMS Outer Tracker detector for HL-LHC	Diamond detector technology: status and perspectives	Experimental techniques for defect characterization at very high fluence	Tracking, calibration&alignment, and data processing in the LHCb upgrade	
	lunch	lunch	lunch	lunch	lunch	
	16:00 - 17:30	16:00 - 18:00	15:00 - 19:30	16:00 - 17:30	16:00 - 17:30	
	STAR MAPS Vertex Detector operational experience	The Mu3e Pixel-Tracker		Radiation damage models, comparison and perfomance of TCAD simulation	The ILC Vertex Detector requirements	
17:00	The CLAS12 silicon strip detector at CEBAF	The ATLAS tracker pixel detector for HL-LHC		Radiation Tolerance of 65nm CMOS	Development of detector technologies for ILC vertexing	
	Operational experience with the NA62 Gigatracker	The ATLAS tracker strip detector for HL-LHC		RD53 Status & Plans	CLIC silicon pixel R&D	
		CMOS pixel development for HL-LHC				
Registration open	coffee break		Excursion	coffee break	coffee break	
	18:00 - 19:30	18:00 - 19:30		18:00 - 19:30	18:00 - 19:30	
	The DAMPE silicon tungsten tracker			Chip Development for High Time Resolution Silicon Detectors	Vertical integration technologies for tracking detectors	
19:30	Development and construction of the Belle II DEPFET pixel detector	Wine and cheese poster and industry session		High Speed Optical and Electrical link developments		
Welcome cocktail at Hotel Hermitage	The Belle II SVD detector	Parking area		Development of wireless data and power transmission for tracking detectors	Workshop summary	
20:30	20:30	20:30	20:30	20:30	20:30	
dinner at own hotel	dinner at own hotel	dinner at own hotel	dinner at own hotel	social dinner - Maitù	dinner at own hotel	