

**IAS Program on High Energy Physics 2022**

**Conference**

(HKT | GMT +8) January 17 - 19, 2022 at 16:30 - 18:00 & 20:00 - 23:10

Format of Talk: 40-min Presentation

		January 17, 2021 (Monday)				January 18, 2021 (Tuesday)				January 19, 2021 (Wednesday)		
<b>After-noon</b>		<i>No session in the afternoon</i>				<b>Chair: Kirill PROKOFIEV (The Hong Kong University of Science and Technology)</b>				<i>No session in the afternoon</i>		
				16:30 - 17:10	ILC Status		Tatsuya NAKADA (École Polytechnique Fédérale de Lausanne (EPFL))					
				17:10 - 17:50	CLIC Status		Steinar STAPNES (CERN)					
				17:50 - 18:00	Discussion							
<b>Evening</b>	19:50 - 20:00	<b>Welcoming Remarks</b> Andrew G. COHEN (The Hong Kong University of Science and Technology) <i>(IAS Director, Acting Dean of Science and Lam Woo Foundation Professor)</i>				<b>Chair: Kam-Biu LUK (The University of California, Berkeley and The Hong Kong University of Science and Technology) (IAS Paul C W Chu Professor)</b>				<b>Chair: Yue ZHAO (The University of Utah)</b>		
		<b>Chair: Jie GAO (Institute of High Energy Physics, Chinese Academy of Sciences)</b>				<b>Chair: Kam-Biu LUK (The University of California, Berkeley and The Hong Kong University of Science and Technology) (IAS Paul C W Chu Professor)</b>				<b>Chair: Yue ZHAO (The University of Utah)</b>		
		<b>Title</b>	<b>Speaker</b>		<b>Title</b>	<b>Speaker</b>		<b>Title</b>	<b>Speaker</b>		<b>Title</b>	<b>Speaker</b>
	20:00 - 20:40	CEPC Status	Xinchou LOU (Institute of High Energy Physics, Chinese Academy of Sciences)	20:00 - 20:40	Overview on (future) DM Direct Detection	Jianglai LIU (Shanghai Jiao Tong University)	20:00 - 20:40	Overview on the GWs Detections	Keith RILES (University of Michigan)			
	20:40 - 21:20	FCC Status	Frank ZIMMERMANN (CERN)	20:40 - 21:20	The SENSEI Experiment: Latest Results and Prospects for Sub-GeV Dark Matter Searches	Ana Martina BOTTI (Fermi National Accelerator Laboratory)	20:40 - 21:20	Multi-messenger Astronomy: An Overview for Particle Physicists	John F. BEACOM (Ohio State University)			
	21:20 - 21:30	Discussion		21:20 - 21:30	Discussion		21:20 - 21:30	Discussion				
	21:30 - 21:40	<b>Break</b>		21:30 - 21:40	<b>Break</b>		21:30 - 21:40	<b>Break</b>				
		<b>Chair: Frank ZIMMERMANN (CERN)</b>			<b>Chair: Joao GUIMARAES DA COSTA (Institute of High Energy Physics, Chinese Academy of Sciences)</b>			<b>Chair: Tao LIU (The Hong Kong University of Science and Technology)</b>				
		<b>Title</b>	<b>Speaker</b>		<b>Title</b>	<b>Speaker</b>		<b>Title</b>	<b>Speaker</b>			
	21:40 - 22:20	Storage Rings and Gravitational Waves	Katsunobu OIDE (High Energy Accelerator Research Organization (KEK))	21:40 - 22:20	Recent progress on Physics Opportunities at e-e+ Colliders	Liantao WANG (The University of Chicago)	21:40 - 22:20	Snowmass Status	Tao HAN (University of Pittsburgh)			
	22:20 - 23:00	Long-lived Particles at (Future) Colliders	Jonathan Lee FENG (University of California, Irvine)	22:20 - 23:00	Recent progress on Physics Opportunities at e-e+ Colliders (Flavor Physics)	Lingfeng LI (Brown University)	22:20 - 23:00	Closing Talk	Kathryn M. ZUREK (California Institute of Technology)			
	23:00 - 23:10	Discussion		23:00 - 23:10	Discussion		23:00 - 23:10	Discussion				
						23:10 - 24:10	<b>Panel Discussion</b> <u>Chair:</u> Tao LIU (The Hong Kong University of Science and Technology) <u>Panel Members:</u> - Tao HAN (University of Pittsburgh) - Tatsuya NAKADA (École Polytechnique Fédérale de Lausanne (EPFL)) - Emilio A. NANNI (SLAC National Accelerator Laboratory, Stanford University) - Gavin SALAM (University of Oxford) - Steinar STAPNES (VERN) - Yifang WANG (Institute of High Energy Physics, Chinese Academy of Sciences)					
						24:10 - 24:20	<b>Closing Remarks</b> Tao LIU (The Hong Kong University of Science and Technology)					