IAS PROGRAM High Energy Physics February 12 – 16, 2023 Conference: February 14 – 16, 2023

Panel Session

Tao HAN (Univ. Pittsburgh) Michael HOFER (CERN) Andrea LATINA (CERN) Yifang WANG (IHEP) Akira YAMAMOTO (KEK) Given the opportunities in HEP (particularly in energy frontier and neutrino physics) for the coming decades, we will discuss in the panel session how to strengthen the synergies of the relevant projects, the collaboration of different parties, and the involvement of industry participations, such that the chance to achieve the planned scientific goals can be maximized.

We will first invite our panel members to share their views (3-5 min for each). Then we will invite questions from the audience.

Jointly organized by

- Joint Consortium of Fundamental Physics, Hong Kong
- IHEP, Chinese Academy of Science, Beijing

Organizing Committee for	r the Program							
Andrew G. COHEN (Chair)	The Hong Kong University (IAS Director, Acting Dean Foundation Professor)							
John ELLIS	CERN and King's College London							
Xinchou LOU	Organizing Committee for the Co	nference (February 14-16, 202)						
Kam-Biu LUK	Marica BIAGINI	INFN						
	Angeles FAUS-GOLFE	IJClab						
Qing QIN Henry TYE	Jie GAO	Institute of High Energy Physics, Sciences	Chinese Academy of					
	Joao GUIMARAES DA COSTA	Institute of High Energy Physics, Chinese Academy of Sciences						
	Lingfeng LI	Brown University						
	Yuhui LI	Institute of High Energy Physics, Chinese Academy of Sciences						
	Jia LIU	Conveners of the Mini-workshops (February 12-13, 2023)						
	Tao LIU (Chair)							
	Kirill PROKOFIEV	Experiment / Detector - Title is to be confirmed						
	Manqi RUAN	Joao GUIMARAES DA COSTA	Institute of High Energy Physics, Sciences					
	Makoto TOBIYAMA	Manqi RUAN	Institute of High Energy Physics,					
	Akira YAMAMOTO		Sciences					
	Frank ZIMMERMANN							
		Theory - High-Energy Physics at Lo	0,					
		Lingfeng LI	Brown University					
		Jia LIU	Peking University					

				Zoom ID: 973	6146 4939 Passcode: 202	SHEP				_		
		Tuesday			Wednesday				Thursday			
14-Feb			15-Feb			16-Feb		1				
0 Conference Registration												
0	Welcon	ne Remarks by Andrew COHEN (HKUST)							1		
-		Session Tu 1			Session W1				accian Th 1			
Venue: IAS Lecture Theater (LT)			Venue: IAS Lecture Theater (LT)		Session Th 1 Venue: IAS Lecture Theater (LT)							
[Chair: Tao LIU (HKUST)]			[Chair: Jie GAO (IHEP)]		[Chair: Tao LIU (HKUST)]							
		enary #01 Perspective Talk [Zoor		Plenary #05, ILC Progress [Zoom]			Plenary #10, New Approaches on DM Detection			1		
ARKANI-HAMED Nima (Princeton U) Plenary #02 New Physics Opportunities at ee Colliders				(Akira YAMAMOTO/ KEK) Plenary #06 CLIC Progress			Tien-Tien YU (U of Oregon) Close Talk			4		
		Liantao WANG (U of Chicago)			(Andrea LATINA/ CERN)		Tao HAN (U of Pittsburgh)					
		Coffee Break			Coffee Break				offee Break			
_		Constant To 2		Coursian WD								
		Session Tu2 Venue: IAS Lecture Theater (LT)		Session W2 Venue: IAS Lecture Theater (LT)			Session Th 2 Venue: IAS Lecture Theater (LT)					
		: Joao GUIMARAES DA COSTA (I		[Chair: Manqi RUAN (IHEP)]			[Chair: Tao LIU (HKUST)]					
				Discourt #7. Quantum Cimulation for Link Franzy Division								
		Plenary #03 CEPC Progress		Plenary #7 Quantum Simulation for High Energy Physics Ying-Ying LI (U of Science and Technology of China)			Forum Discussion					
_	H	aijun YANG (Shanghai Jiaotong L	(L				Leader: Tao LIU (HKUST)					
				Plenary #8 New Dark SHINE Exp			Panel members: (1) Tao HAN (U of Pittsburgh), (2) Michael					
				Kun LIU (Shanghai Jiaotong U)			HOEER (CERN) (3) Andre		a LATINA (CERN) (A) Vifang WANG	1		
		Plenary #04 FCC Progress Michael HOFER (CERN)		Plenary #9 Excesses at the LHC and Potential Implications for the HL-LHC and e+e- Colliders Bruce MELLADO (U of the Witwatersrand and iThemba LABS)		1		c	dav		ndav	
		Mender Hor En (CENN)				Sun			Monday			
_	Brogrom	Lunch for Registered Participa	nts only		Self-arranged Lunch				12-Feb		13-Feb	
_		realition registered Participa	-		Jen-anangeu Lunch	Session M/2 TU01			Experiment/Detector (1/F)	Theory (2/F)		
	Session Tu3-AP01 (Accelerator)	Session Tu3-ED01	Session Tu3-TH01 (Theory)	Session W3-AP01	Session W3-ED01	Session W3-TH01 (Theory)		08:30-08:50	Desistration	Degistration		
	Venue: IAS LT	(Experiment/Detector) Venue: IAS 1038	Venue: IAS 2042	(Accelerator) Venue: IAS LT	(Experiment) Venue: IAS 1038	Venue: IAS 2042			Registration	Registration		ED1/ M-TH1
	[Chair: Marica BIAGINI (INFN)	[Chair: Yong LIU (IHEP)]	[Chair: Yongchao ZHANG	[Chair: Yuhui LI/ IHEP]	[Chair: Yaquan FANG/IHEP]	[Chair: Yongchao ZHANG		08:55-09:00	Welcome Remarks	Welcome Remarks		: IAS LT
_	Makato TOBIYAMA [Zoom]	Michael K. CHULINAN (Toom)	(Southeast U)]	Akira YAMAMOTO [Zoom]	Xuai ZHUANG	(Southeast U)]			Session S-ED1	Session S-TH1 Venue: IAS2042	[Chair: Jia Li	U (Peking U)]
	(KEK)	Michael K. SULLIVAN [Zoom] (SLAC)	Yu GAO (IHEP)	(KEK)	(IHEP)	Kingman CHEUNG [Zoom] (National Tsinghua U)			Venue: IAS1038	[Chair: Liming ZHANG		
_	Yiwei WANG (IHEP)			Jiyuan ZHAI (IHEP)	Jinfei WU (IHEP)				[Chair: Zhijun LIANG (IHEP)]	(Tsinghua U)]		
_	Dou WANG	Suen HOU (Institute of Physics)	Shun ZHOU (IHEP)	Zusheng ZHOU	Junie PEI	Haipeng AN (Tsinghua U)		9:00	Tianya WU	Jure ZUPAN [Zoom]		IS [Zoom]
_	(IHEP)	Haoyu SHI	Xuxiang LI	(IHEP)	(IHEP)			9:20	(IHEP) Yiming LI	(U of Cincinnati)	(CERN and K Shin-Chieh HSU (ing's College)
	Cai MENG [Zoom]	(IHEP)	(Peking U)	Yingshun ZHU [Zoom]	Nilanjana KUMAR [Zoom]	Bin GONG (IHEP)		9:25	(IHEP)	Lorenzo CALIBBI		Washington)
	(IHEP)	Guangyi TANG	Sida LU	(IHEP)	(SGT U)	Yusheng WU (U of Science and		9:40	Sheng DONG	(Nankai U)		IE [Zoom]
	Sha BAI (IHEP)	(IHEP)	(HKUST)	Qingjin XU (IHEP)	Abdualazem Fadol Mohammed Ebrahim (IHEP) [Zoom]	Technology of China)		9:50	(IHEP)	Qin QIN (Huazhong U of		ttsburgh)
								10:00	Yunyun FAN	Science and Technology)	Qia	ng Ll
	Coffee Break (15:40 - 16:00)			Coffee Break (15:40 - 16:00)			10:15	(IHEP)	Anson KWOK	(Peking U)		
								10:20	Chengxin ZHAO [Zoom] (Institute of Modern Physics)	(HKUST)	Zhen LIU (U of Minnesota)	
	Session Tu3-AP02	Session Tu3-AP02 Session Tu3-ED02 (Theory) (Accelerator)		Session W3-ED02	Session W3-TH02			Coffee Break		Coffee Break		
	(Accelerator)	(Experiment) Venue: IAS 1038	Venue: IAS 2042	Venue: IAS LT	(Experiment)	(Theory) Venue: IAS 2042			Session S-ED2			Session M-T
	Venue: IAS LT [Chair: Jie GAO (IHEP)]	[Chair: Xuai ZHUANG (IHEP)]	[Chair: Haipeng AN (Tsinghua	[Chair: Angeles FAUS-GOLFE/	Venue: IAS 1038 [Chair: Yiming LI (IHEP)]	[Chair: Hao ZHANG (IHEP)]			Venue: IAS1038	Session S-TH2	Session M-ED2	Venue: IAS20
_	Frank ZIMMERMANN [Zoom]		U)]	UClab (Zoom)] Angeles FAUS-GOLFE [Zoom]					[Chair: Lorenzo CALIBBI	Venue: IAS2042	Venue: IAS1038	[Chair: Xiaoping
	(CERN)	Yaquan FANG (IHEP)	Serguey PETCOV [Zoom] (SISSA)	(IJClab)	Junsong ZHANG (IHEP)	Jean-Claude BRIENT (Ecole Polytechnique) [Zoom]			(Nankai U)]	[Chair: Yu GAO (IHEP)]	[Chair: Gang LI (IHEP)]	(Beihang U
	Yongsheng MA			Yuan ZHANG				11:00	Shanzhen CHEN [Zoom] (IHEP)	Mengchao ZHANG (Jinan U)	Xingtao HUANG (Shandong U)	Ariel ROCH (HKUST)
_	(IHEP)	Mingshui CHEN (IHEP)	Wen YIN [Zoom] (Tohoku U)	(IHEP) Na WANG	Yongsheng HUANG [Zoom] (Zhongshan U)	Desheng LI (Hunan Institute of Engineering) [Zoom]		11.25	Zhen HU	Yuichiro NAKAI	Weidong Ll	Kento ASA
-	Wen KANG (IHEP)	Huagiao ZHANG	Bo LIU	(IHEP)	Huirong QI	Ning CHEN [Zoom]		11:25	(Tsinghua U)	(Shanghai Jiaotong U)	(IHEP)	(U of Tokyo
	Bin CHEN	(IHEP)	(IHEP)	Zhe DUAN [Zoom]	(IHEP)	(Nankai U)		11:50	Kai YI (Nanjing Normal U)	Xiao-ping WANG (Beihang U)	Shengsen SUN (IHEP)	Shigeki MATSUMOT (U of Tokyo
	(IHEP)	Hao ZHANG	Sungwoo HONG [Zoom]	(IHEP)		Yu ZHANG (Hefei U of		12:15	Liming ZHANG	Yong Chao ZHANG	Xiaomei ZHANG (IHEP)	Suchita KULKANR
	Jinhui CHEN (IHEP)	(IHEP)	(KAIST)	Dazhang LI (IHEP)		Technology) [Zoom]		12.125	(Tsinghua U)	(Southeast U)		(U of Graz
	Jingru ZHANG (IHEP)	Gang LI						12:40	Lunch Break (Self-arranged)	Lunch Break (Self-arranged)
	(INCP)	(IHEP)							Session S-ED3	Session S-TH3	Session M-ED3	Session M-T
							-		Venue: IAS1038 [Chair: Huaqiao ZHANG	Venue: IAS2042	Venue: IAS1038	Venue: IAS20 [Chair: Qin QIN (Hu
									(IHEP)]	[Chair: Hao ZHANG (IHEP)]	[Chair: Mingyi DONG (IHEP]	of Science and Tec
								14:00	Yong LIU	Alessandro VICINI [Zoom]	Huirong QI	Feng-Kun GUO (In:
									(IHEP) Sen QIAN	(U of Milan) Bin YAN [Zoom]	(IHEP) Mingyi DONG	Theoretical Physics Alberto LUSIANI
								14:25	(IHEP)	(IHEP)	(IHEP)	Normale Superiore
								14:50	Roberto FERRARI	Jiayin GU	Peter KLUIT	Wei SU (Sun Yat
								15.15	(INFN Pavia) Huilin QU	(Fudan U) Jean-Claude BRIENT [Zoom]	(NIKFHH) [Zoom] Brunella D'ANZI [Zoom]	Luiz Vale SILVA
								15:15	(CERN)	(Ecole Polytechnique)	(INFN and U of Bari)	(Universitat de Va
						Coffee	Break	Coffee Break				
							15:40	Session S-ED4/ S-TH4		Session M-ED4	Session M-T	
										IAS LT	Venue: IAS1038	Venue: IAS20
									[Chair: Jiayi	n GU (IHEP)]	[Chair: Mingshui CHEN (IHEP)]	[Chair: Zhen LIL Minnesota
								16:00		RUAN	Roberto FERRARI	Rick S. GUPTA (Tata
									(IH Roman POE	EP) SCHL [Zoom]	(INFN Pavia)	Fundamental Res Juraj KLARIC (Catholic U
								16:25	(1)(lab)	Huaxing ZHU (Zhejiang U)	Louvain) [Zoor
								16:50	Zhijun	LIANG	Zhao LI (IHEP) [Zoom]	Shengdu CHAI (Fi
								10.00	/111	EP)		Shenguu CHAI (Fi

17:15

(IHEP) Paul COLAS Zoc

(CEA)

Siqi YANG (U of Science and

Technology of China) [Zoom]

Session M-TH2

Venue: IAS2042

[Chair: Xiaoping WANG

(Beihang U)] Ariel ROCK

(HKUST) Kento ASAI

(U of Tokyo) Shigeki MATSUMOTO [Zoom

(U of Tokyo) Suchita KULKANRI [Zoom]

(U of Graz)

Session M-TH3

Venue: IAS2042

[Chair: Qin QIN (Huazhong U

of Science and Technology) Feng-Kun GUO (Institute of

Theoretical Physics)[Zoom] Alberto LUSIANI (Scuola

Normale Superiore) [Zoom]

Wei SU (Sun Yat Sen U)

Luiz Vale SILVA [Zoom]

(Universitat de Valencia)

Session M-TH4

Venue: IAS2042

[Chair: Zhen LIU (U of

Minnesota)] Rick S. GUPTA (Tata Institute of

Fundamental Research) Juraj KLARIC (Catholic University of Louvain) [Zoom]

Shengdu CHAI (Fudan U)

Zeren Simon WANG [Zoom]

(National Tsinghua U)

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С

Zoom ID: 973 6146 4939

HK Time 08:30-08:50 08:55-09:00

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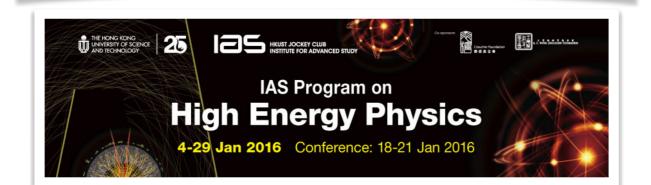
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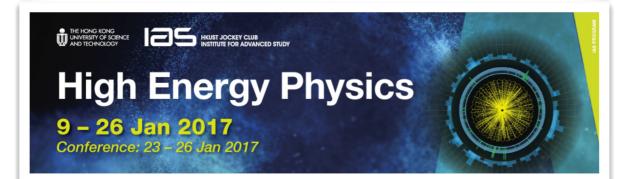
HKUST Jockey Club INSTITUTE FOR ADVANCED STUDY

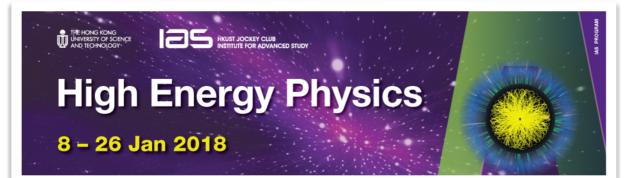
IAS Program on

The Future of High Energy Physics

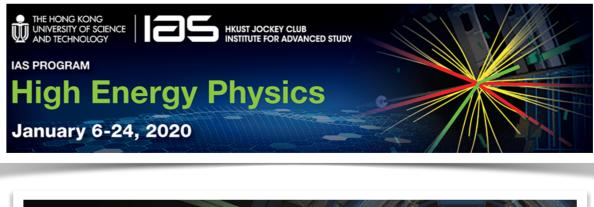
5 - 30 Jan 2015

















2024 - 10th program !

