

# Scientific Program

## XeSAT 2017

April 3rd, 2017

12:30	14:00	<b>Registration at Hotel Lobby</b>	
14:15	14:30	<b>Opening</b>	
14:30	15:00	<b>Group Photo</b>	
15:00	15:30	Dr. Pawel Majewski	Simulation studies of the electroluminescence signal in the double phase TPC of the LUX-ZEPLIN detector
<b>15:30- 16:00</b>		<b>Coffee Break</b>	
16:00	16:30	Prof. Nobuyuki Hasebe	DEVELOPMENT OF GAS IONIZATION CHAMBERS WITH WIDE COPLANAR ELECTRODES FOR ALPHA-RAY SPECTROMETRY
16:30	17:00	Dr. Kirill Pushkin	Prototype radon removal and evaluation system for the LZ Dark Matter experiment
17:00	17:30	Dr. Xilei Sun	The performance of SiPM for liquid xenon TPC in high electric field
18:00	20:00	<b>Reception</b>	

April 4th, 2017

### Session: I

Venue: Chat tan Meeting room, Ground Floor

Time	Time	Speaker	Title
8:30	9:30	Dr. Akira Hitachi	The scintillation process in xenon
9:30	10:00	Prof. Nobuyuki Hasebe	ELECTRON TRANSPORT PARAMETERS MEASUREMENTS IN HIGH-DENSITY GASEOUS XENON
10:00	10:30	Dr. Kei Ieki	MEG II liquid xenon detector with VUV-sensitive SiPM
<b>10:30- 11:00</b>		<b>Coffee Break</b>	
11:00	11:30	Dr. Francesc Monrabal Capilla	The NEXT project to discover neutrinoless double beta decay
11:30	12:00	Prof. Valery Dmitrenko	Modern status of High Pressure Xenon gamma-ray spectrometers and their applications
12:00	12:30	Dr. Victor M. Grachev	Xenon gamma-ray detector for "SIGNAL" experiment

**12:30-14:00 Lunch**

### Session: II

Venue: Chat tan Meeting room, Ground Floor

13:30	14:00	Mr. Parinya Namwongsa	Electron Recoil Rejection by Decay Time Measurement in Large Liquid Xenon
14:00	14:30	Dr. Atsushi Takeda	XMASS experiment
14:30	15:00	Dr. Junji Naganoma	The XENON1T TPC design, construction and performance
<b>15:00- 15:30</b>		<b>Coffee Break</b>	
15:30	16:00	Dr. Akira Hitachi	Radiation effects due to slow ion collisions in Ar and Xe dark matter detectors
16:00	16:30	Dr. Xun Chen	Results of PandaX-II experiment
16:30	17:00	Mr. Shaobo WANG	PandaX-III neutrinoless double beta decay experiment

April 5th, 2017

### Session: III

Venue: Chat tan Meeting room, Ground Floor

Time	Time	Speaker	Title
9:00	9:30	Mr. Kiseki Nakamura	High pressure xenon gas detector with segmented electroluminescence readout for $0\nu\beta\beta$ search
9:30	10:00	Dr. Ferenc Glück	Electrostatic Field Calculations for a Dual Phase Noble Gas WIMP Detector
10:00	10:30	Dr. Franco Giuliani	Low-level impurity measurements in Xenon with cold traps
<b>10:30- 11:00</b>		<b>Coffee Break</b>	
11:00	11:30	Prof. Masaki Yamashita	Rn removal for ultra low background liquid xenon base detector
11:30	12:00	Dr. Dominique Thers	3 gamma medical imaging with XEMIS2, a liquid xenon Compton camera
12:00	12:30	Mr. Michael Murra	Online krypton and radon removal at the XENON1T experiment using a cryogenic distillation column

**12:30-13:30 Lunch**

### Session: IV

Venue: Chat tan Meeting room, Ground Floor

Time	Time	Speaker	Title
13:30	14:00	Dr. Kota Ueshima	KamLAND-Zen results and purification methods
14:00	14:30	Mrs. Yajing XING	Direct electronics recoils measurement by ionization in LXe for $3\gamma$ imaging
14:30	15:00	Mr. Sander Breur	Radon signals in XENON(1T)
<b>15:00- 15:30</b>		<b>Coffee Break</b>	
15:30	16:00	Prof. Prayoon Songsiririthigul	DLC Sputtered Resistive Panels for the PandaX III Field Cage
16:00	16:30	Dr. Victor M. Grachev	Xenon gamma-ray detector with electronic compensation of the anode pulse shape dependence of the ionization coordinate
16:30	17:00	<b>Summary Talk</b>	
17:00	17:15	<b>Closing Remark</b>	

**18:00- 21:00**

**Banquet**

April 6th, 2017

### Excursion

9:00		Leave from PullMan Hotel	<u>Phrathat Kham Kaen</u> The Phrathat is believed to be the original of Khon Kaen city since ancient times. Phrathat Kham Kaen can be dated to the 20th century B.C. The Phrathat is now well renovated and landscaped. A celebration is held annually on the full moon day of the 6 <sup>th</sup> lunar month. <u>King Cobra Village</u> at Ban Khok Sa-nga in Tumbal SaiMun is famous for its strange pets, king cobra, which are kept at every house.
12:00		Lunch	<u>Ubolratana Dam</u> , eating and impressive by natural view of Dam. <u>Wat Phra Phuttabat Phuphankham</u> The temple has a white gigantic Buddha image called Luangpho Yai or Luangpho Khao, and is 14 meters in height.
15:00			<u>Phra Mahathat Kaen Nakhon</u> or the 9-storey stupa. The Phra Mahathat houses relics of the Lord Buddha and important Buddhist scriptures. Murals within the stupa feature history of the town. The top floor, on the 9th storey houses relics of the Lord Buddha.
16:30		Back to the hotel	

April 7th, 2017

### Session: III

Venue: Chat tan Meeting room, Ground Floor

Time	Time	Speaker	Title
9:00	10:30	Open discussion	
<b>10:30- 11:00</b>		<b>Coffee Break</b>	
11:00	12:00	Wrap up and Outlook	