

10:00	1 - Opening remarks	Prof. Michel GONIN
	2 - Particle Flow Algorithms with DETECTION TRANSFORMERS for Jet Reconstruction in ATLAS-like Detectors	Mr Maxens ALBERT
	3 - Physical properties of dust-enshrouded high-redshift galaxies via Data from ALMA and James Webb Space Telescopes	Mr Zacharie LEMOULT
	4 - Exploring the Reconstruction of Inclined Extensive Air Showers for GRAND Project	Ms Pauline FRITSCH
11:00	22 - Inverse Problems in Cosmological N-body Simulations : sampling of initial conditions from final states	Mr Lucas MEVILLE
	5 - Cosmic Ray detection using clustering technique	Ms Sophie CARLIER
	11 - Towards a better understanding of Giant Molecular Clouds' evolution	Mr Martin ALOSZKO
	10 - Hyper-Kamiokande : reconstruction and selection of events	Mr Arthur CHOQUET
12:00	12 - TBA	Mr Stefan BARBU
	19 - Early Dark Energy as a Solution to the Hubble Tension ?	Mr Theophile LAURENT
13:00	Lunch Break (Bento)	
	Room 207, 2nd floor, School of Science Building 1 (West) Hongo Campus	12:30 - 13:30

14:00	17 - $e/\mu$ - and $e/\pi^0$ classification for HyperKamiokande using Graph Neural Networks	Mr Gabriel Lenain
	16 - $e/\mu$ - and $e/\pi^0$ classification for HyperKamiokande using Graph Neural Networks	Mr Samy Niddam
	9 - Forecasting Pulsar Timing Array Sensitivity Needed to Detect Deviations from General Relativity.	Dr Jonathan Grée
	6 - Predicting $\gamma$ -ray signal from DM haloes	Mr Antoine Lucas
	7 - Massive Yang-Mills theory	Mr Zacharie Lorsi
	8 - Measuring Primordial Gravitational Waves with LiteBIRD	Mr Mohamed Ait-el-Berkaoui
15:00	<b>Coffee Break</b>  Room 207, 2nd floor, School of Science Building 1 (West) Hongo Campus 15:00 - 15:30	
16:00	21 - Impact of Clustering Dark Energy on galaxy halo density profiles	Mr Bastien de Ligondes
	14 - Learning the density field from peculiar velocities	Mr Baptiste Barthe Golo
	20 - A differentiable adaptive moving mesh method for Euler's equation solving	Mr Thibaud le Beschu de Champsavin
	13 - Clustering Dark Energy	Mr Constantin Arthaud
	15 - Environnemental Clustering Study of Modified Gravity Models	Mr Lucas Da Costa
17:00	18 - Hyper-Kamiokande : low energy neutrinos reconstruction	Mr Nicolas Moreau



A group photo will be taken just before lunch



*T. Kajita*

*30 March, 2021*

Prof. Takaaki Kajita, Director, Institute for  
Cosmic Ray Research (ICRR)

*H. Ooguri*

*31 March, 2021*

Prof. Hiroshi Ooguri, Director, Kavli Institute  
for the Physics and Mathematics of the Universe  
(Kavli IPMU)

*Shoji Asai*

*31 March 2021*

Prof. Shoji Asai, Director, International  
Center for Elementary Particle Physics (ICEPP)

*M. Hoshino*

*31 March 2021*

Prof. Masahiro Hoshino, Dean, School of  
Science

In Paris, on *31/03/2021*

For CNRS

*Antoine Petit*

Antoine Petit, Chairman – Chief Executive  
Officer

## 5 Founding Partners

AGREEMENT FOR THE CREATION OF AN  
INTERNATIONAL RESEARCH LABORATORY  
International Laboratory for Astrophysics, Neutrino and Cosmology Experiments  
ILANCE

BETWEEN

The **CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE**, hereinafter referred to as “**CNRS**”, a public scientific and technological institution, with headquarters at 3, rue Michel-Ange 75794 Paris Cedex 16, France, represented by its Chairman – Chief Executive Officer, Antoine Petit,

AND

**THE UNIVERSITY of TOKYO**, hereinafter referred to as “**UTokyo**”, a national university corporation, whose registered address is 7-3-1 Hongo, Bunkyo-ku, Tokyo, Japan, represented by:

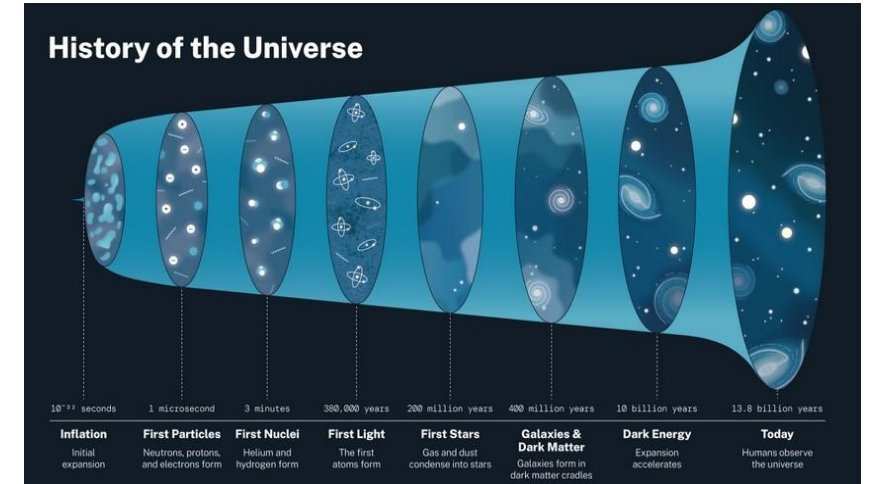
- Prof. Takaaki Kajita, Director of the Institute for Cosmic Ray Research (ICRR);
- Prof. Hiroshi Ooguri, Director of the KAVLI Institute for the Physics and Mathematics of the Universe (KAVLI IPMU) under the UTokyo Institute of Advanced Studies (UTIAS);
- Prof. Shoji Asai, Director of the International Center for Elementary Particle Physics (ICEPP);
- Prof. Masahiro Hoshino, Dean of School of Sciences.





International Center for Elementary Particle Physics  
ICEPP

Institute for Cosmic Ray Research  
ICRR



Institute for the Physics and Mathematics of the Universe  
IPMU



Institute of Astronomy (IoA) School of Science  
IOA