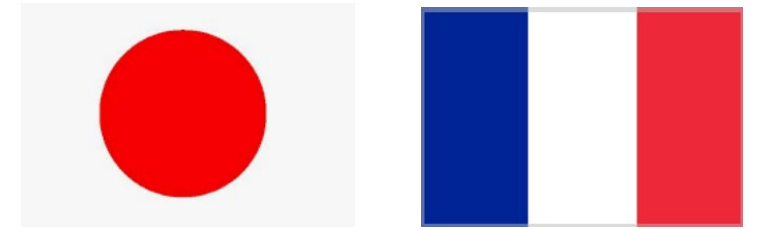


I L ^ N C E



I L ^A N C E

International Laboratory for **A**strophysics,
Neutrino and **C**osmology Experiments



**CNRS, ICRR, IPMU,
School of Science and ICEPP**

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

created on April 1st 2021

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.

In Tokyo, on

For UTokyo

30 March, 2021

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

31 March, 2021

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

In Paris, on 31/03/2021

For CNRS

Antoine Petit, Chairman – Chief Executive
Officer

31 March 2021

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

31 March 2021

Prof. Masahiro Hoshino, Dean, School of
Science

I L \wedge N C E

International Laboratory for **A**strophysics,
Neutrino and **C**osmology Experiments

An on-site laboratory in Japan, ILANCE brings together researchers, students, post-docs, engineers and technicians from CNRS and Japanese institutions.

The laboratory is made up of French scientists for long-term stays in Japan and Japanese physicists. Individual research grants are awarded for postdoctoral stays or doctoral thesis.

The laboratory will also aim to welcome and support French scientists for temporary stays in Japan.

ILANCE is located at Kashiwa Campus, UTokyo, Japan





Age of the Universe (Myr)

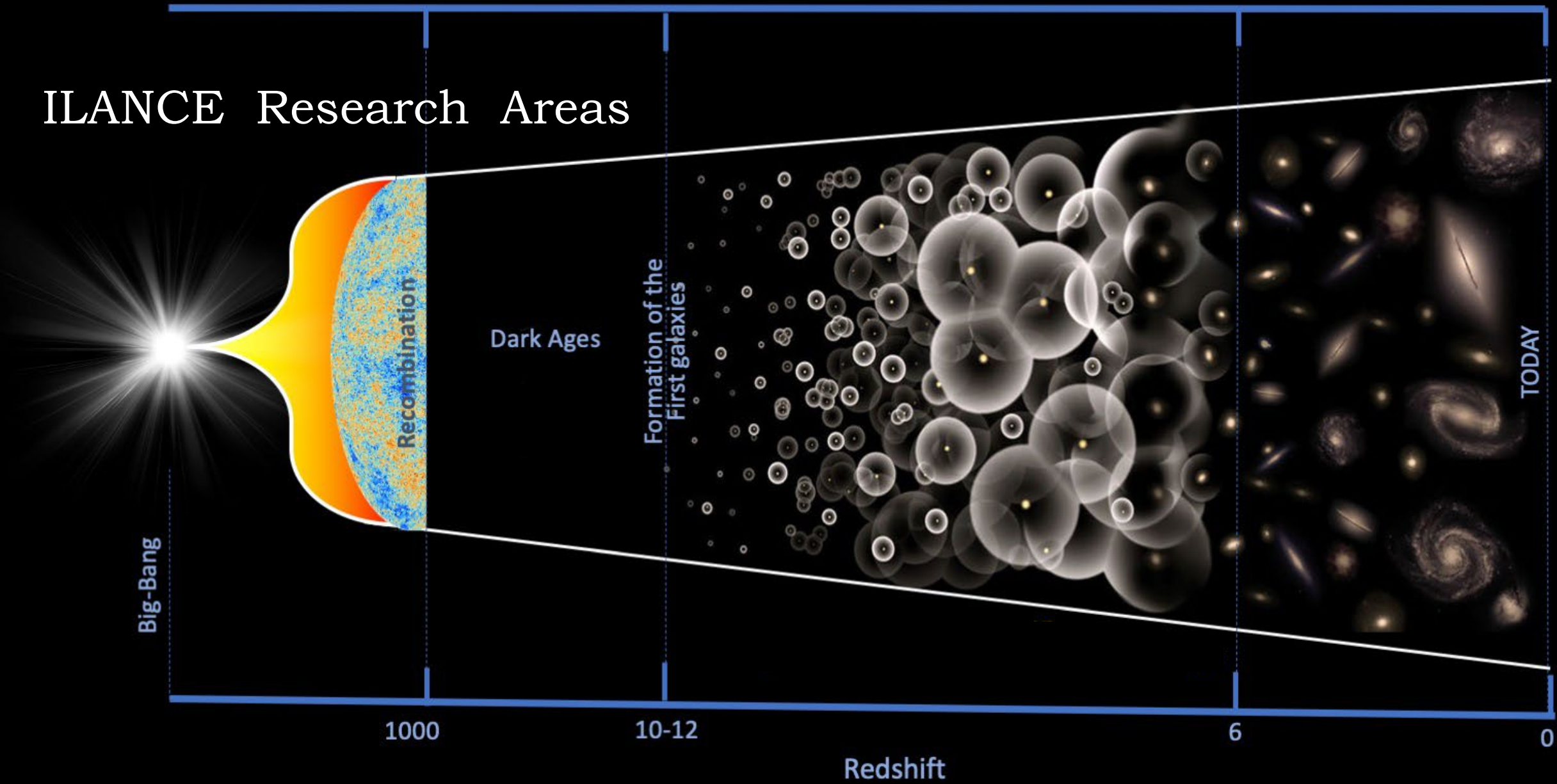
0.38

300

1 000

13 800

ILANCE Research Areas



Big-Bang

1000

10-12

6

0

Redshift

Dark Ages

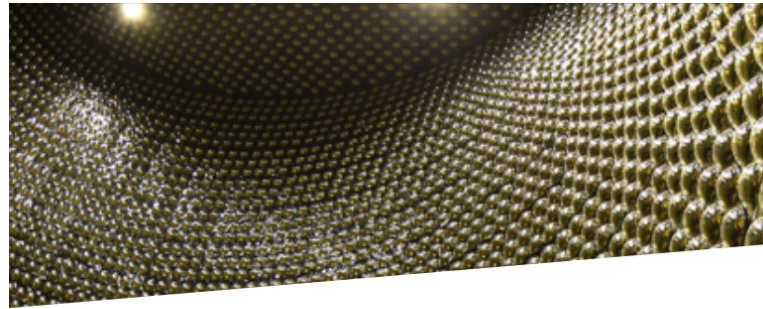
Formation of the First galaxies

TODAY

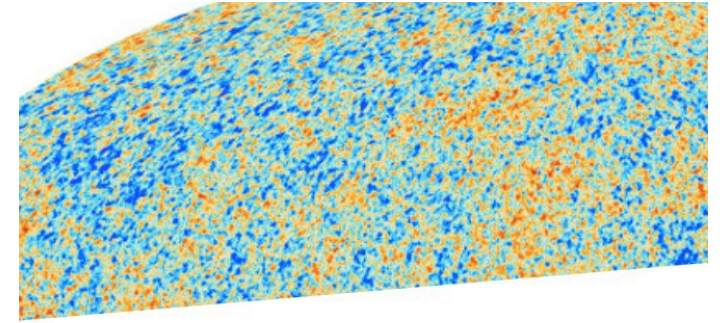
ILANCE Research Areas



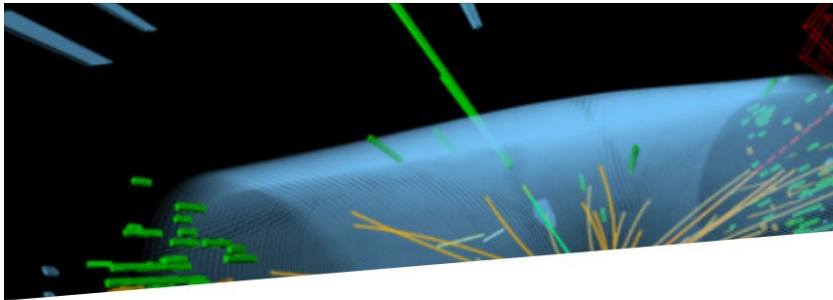
HIGH ENERGY ASTROPHYSICS



NEUTRINO, PARTICLE AND COSMIC MESSENGER



PRIMORDIAL UNIVERSE



PARTICLE PHYSICS AND DETECTORS



THE DARK UNIVERSE



GRAVITATIONAL WAVES



ILANCE scholarship for a stay in France

- ▶ The call for applications will probably open next fall. Details are still under discussion.
- ▶ We offer full funding for a one-month stay in a French laboratory
- ▶ To be eligible, the applicant must be a UTokyo PhD or Masters student

More information on <https://ilance.cnrs.fr/>

I L Λ N C E

[Home](#) [About ILANCE](#) [Organization](#) [Research Areas](#) [Events](#) [Publications](#) [More](#)

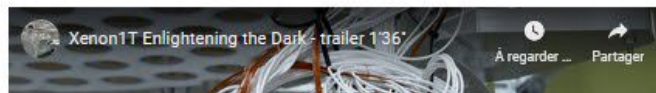


A Leading projects have been identified as priorities for ILANCE's scientific program for the first five years. During the last decades, the teams of IN2P3/CNRS and University of Tokyo have been actively involved together in very successful international programs

- ATLAS
- CTA
- GRAND
- HYPER-KAMIOKANDE
- KAGRA-LIGO-VIRGO
- LiteBIRD
- SUBARU
- XENON

A Research in physics regarding the infinitely large and the infinitely small scales of our universe is at the heart of ILANCE's scientific program.

It includes six research areas: the primordial universe, the dark universe, neutrino physics, gravitational waves, high energy astrophysics and particle physics.



July 1, 2023

Welcome Romain Gaïor @ ILANCE as a summer visitor. He will work at Kamioka with Kavli IPMU's PI Kai Martens group on Direct Search of Dark Matter with Liquid Xenon detectors.



June 1, 2023

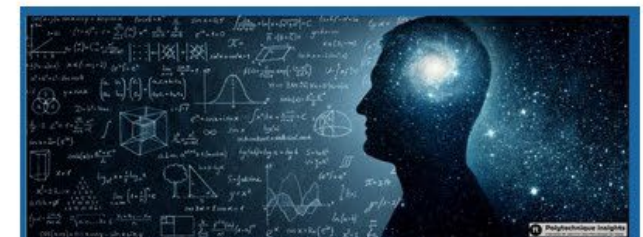
Welcome to Andrés Muñoz @ ILANCE, the first ILANCE/LLR/IPMU PhD student. He joins the French and Japanese teams of the TZK experiment for his work thesis.

June 12, 2023

[STUDENT FEST France - Japan](#)

This event brings together international students doing research internships in physics, mathematics, and engineering, or participating in exchange programs, at the University of Tokyo. The objective is to promote the creation or strengthening of links between students for future academic stays in France and Japan

<https://indico.in2p3.fr/event/30273/>



STUDENT FEST, France-Japan, UTokyo & Grandes Ecoles

June 12, 2023
University of Tokyo, HONGO Campus
Asia/Tokyo timezone

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