

Pregramme des sessions

29 juin 2026 à 3 juillet 2026



Challenges at the CMB Frontier

CMB Experiments

Chino Cultural Complex
1-1-1 Tsukahara, Chino, Nagano 391-0002

mer. 1 juillet

09:30

CMB Experiments: CMB Experiments

Session | Site: Chino Cultural Complex, 1-1-1 Tsukahara, Chino, Nagano 391-0002

09:30 – 10:10 **LiteBIRD**

Orateur

Ryota Takaku

10:10 – 10:50 **Simons Observatory**

Orateur

Dr Yoshinori Sueno

10:50

11:10

CMB Experiments: CMB Experiments

Session | Site: Chino Cultural Complex, 1-1-1 Tsukahara, Chino, Nagano 391-0002

11:10 – 11:50

GroundBIRD: A Fast-Rotating Polarimeter for Large-Scale CMB Polarization Measurements

Orateur

Junya Suzuki

11:50 – 12:10

GroundBIRD: Preliminary Results on Polarization Angle Calibration with a Sparse Wire Grid

Orateur

Miku Tsujii

12:10

13:40

CMB Experiments: Instrumental Systematic Effects

Session | Site: Chino Cultural Complex, 1-1-1 Tsukahara, Chino, Nagano 391-0002

13:40 – 14:20 **Overview of Instrumental Systematics**

Orateur

Marta Monelli

14:20 – 14:40

Ungrasp: Coordinate-Independent Beam Modeling for CMB Experiments via Spherical Wave Expansion

Orateur

Prof. Maurizio Tomasi

14:40 – 15:00

Systematic effect induced by misalignment in a Reflective Polarization Modulator for CMB, and application to the LiteBIRD case

Orateur

Simone Stellati

15:00

15:20

CMB Experiments: Instrumental Systematic Effects

Session | Site: Chino Cultural Complex, 1-1-1 Tsukahara, Chino, Nagano 391-0002

15:20 – 15:40

Mitigating correlated $1/f$ noise in map-making: A comparison of approximate and exact noise covariance models

Orateur

Dr Avinash Anand

15:40 – 16:00

The Simons Observatory: A framework for efficient map-based simulations of instrumental systematics for CMB surveys

Orateur

Magdy Morshed

16:00 – 16:20

An efficient way to compute beam convolution at the map level

Orateur

M. Camille Demay

16:20

jeu. 2 juillet

09:30

CMB Experiments: CMB Experiments

Session | Site: Chino Cultural Complex, 1-1-1 Tsukahara, Chino, Nagano 391-0002

09:30 – 10:10 **South Pole Observatory**

Orateur
Dr Dominic Beck

10:10

13:40

CMB Experiments: Foreground Modeling & Component Separation

Session | Site: Chino Cultural Complex, 1-1-1 Tsukahara, Chino, Nagano 391-0002

13:40 – 14:20 **Galactic Foregrounds (TBD)**

Orateur
Prof. Nicoletta Krachmalnicoff

14:20 – 15:00 **Component Separation for CMB Experiments (TBD)**

Orateur
Dr Alessandro Carones

15:00

15:20

CMB Experiments: Foreground Modeling & Component Separation

Session | Site: Chino Cultural Complex, 1-1-1 Tsukahara, Chino, Nagano 391-0002

15:20 – 15:40

Combining Parametric Methods and Observation Matrices for Foreground Cleaning in the context of Simons Observatory

Orateur
Dr Baptiste Jost

15:40 – 16:00 **Component Separation and Cosmological Parameter Estimation from Planck Data**

Orateur
Camille Gubeno

16:00 – 16:20 **Addressing Synchrotron Challenges for CMB Observations: ELFS-SA Collaboration**

Orateur
Dr Elena De La Hoz

16:20 – 16:40

Semi-blind component separation for measuring CMB B-mode polarization with a satellite mission

Orateur
Hoang Viet Tran

16:40 – 17:00 **Foreground Cleaning with Delta-map for Large-scale CMB B-mode Polarization**

Orateur
M. Kiyoshi Ikuma

17:00

ven. 3 juillet

09:30

CMB Experiments: Dark Matter and Dark Energy

Session | Site: Chino Cultural Complex, 1-1-1 Tsukahara, Chino, Nagano 391-0002

09:30 - 10:10 Exploring dark matter on Earth

Orateur
Shunsuke Adachi

10:10 - 10:50 From DESI to PFS: Cosmology with Spectroscopic Surveys and Connections to the CMB

Orateur
Prof. Jingjing Shi

10:50