

Session Program

8–9 déc. 2021

9th LISA Cosmology Working Group Workshop

LISA CosWG Workshop day 2

jeu. 9 décembre

15:00

LISA CosWG Workshop day 2

Session | Site:

15:00 – 15:20 **Review of new LVK cosmology results from O3**

Orateur

Simone Mastrogiovanni

15:20 – 15:30 **Extreme Mass-Ratio Inspirals as dark standard sirens**

Orateur

Danny Laghi

15:30 – 15:40 **Multi-band gravitational wave cosmology with stellar origin black hole binaries**

Orateur

Niccolò Muttoni

15:40 – 16:00 **Stochastic GW background mapping**

Orateur

Mandic Vuk

16:00 – 16:20 **The recent excess noise observed by PTAs**

Orateur

Neil Cornish

16:20 – 16:50 **CosWG projects updates**

Orateurs

Angelo Ricciardone, Germano Nardini, Gianmassimo Tasinato, Juan Garcia-Bellido, Sebastien Clesse, Tessa Baker

16:50 – 17:05 **Break**

17:05 – 17:20 **CosWG projects updates**

Orateurs

Angelo Ricciardone, Germano Nardini, Gianmassimo Tasinato, Juan Garcia-Bellido, Sebastien Clesse, Tessa Baker

17:20 – 18:20 **Discussion on CosWG projects rules and procedures**

18:20 – 18:30

Turbulent production of polarized gravitational radiation from primordial helical magnetic fields

Orateur

Alberto Roper Pol

18:30 – 18:40

Gravitational waves from first-order phase transitions: A hybrid simulation, and signal enhancement from density perturbations

Orateur

Ryusuke Jinno

18:40 – 18:50 **Gravitational waves from bubble collisions in first order phase transitions**

Orateur

Marek Lewicki

18:50 – 19:00

Electroweak bubble wall expansion: gravitational waves and baryogenesis in Standard Model-like thermal plasma

Orateur

Marco Antonio Merchand Medina

19:00