

Session Program

17-18 May 2022

**STE-QUEST Virtual Workshop: An M-class
Cold Atom mission to probe gravity, dark
matter and quantum mechanics**

Mission Concept Session

Tuesday 17 May

13:45

Mission Concept Session: Review of mission concept, highlighting the TRL status of each subsystem Session

13:45-14:15 **Mission Overview**

Speaker
Naceur Gaaloul

14:15

14:15

Mission Concept Session: Lessons from other missions Session

14:15-14:35 **MICROSCOPE: Latest results and lessons learned**

Speaker
Gilles Metris

14:35-14:55 **LISA-Pathfinder: Platform stability and AOCS performance**

Speaker
Henri Inchauspé

14:55

14:55

Mission Concept Session: Payload subsystems - focus on TRLs Session

14:55-15:15 **Physics Package**

Speaker
Christian Schubert

15:15-15:35 **Laser System**

Speaker
Baptiste BATTELIER

15:35-15:55 **Electronic Unit**

Speaker
Kai Bongs

15:55-16:15 **Data and Diagnostics Subsystem**

Speaker
Miquel Nofrarias

16:15

16:45

Mission Concept Session: Synergies with other missions & terrestrial projects Session

16:45-17:05

Cold Atom Universality Free Fall test on the ground and its limitations

17:05	Speaker Mark Kasevich
17:05	Mission Concept Session: Discussion Session
17:35	17:05-17:35 Discussion

Wednesday 18 May

10:00

Mission Concept Session: Synergies with other missions & terrestrial projects -- continue from yesterday

Session

10:00-10:20

Synergies between Physics and Earth Observation missions

Speaker

Olivier Carraz

10:20