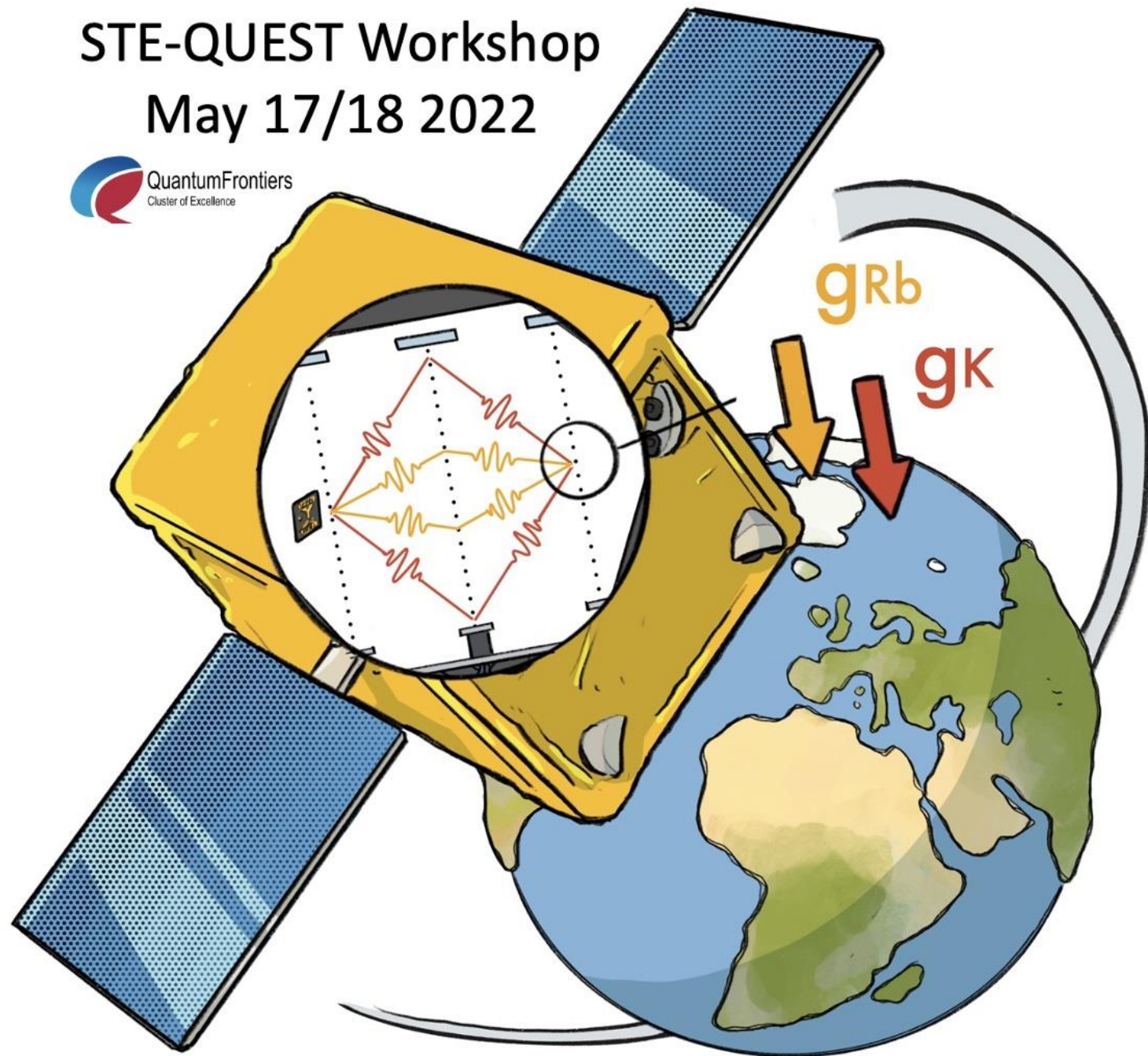


STE-QUEST Workshop
May 17/18 2022



Courtesy of Dr. Sina Loriani

STE-QUEST WORKSHOP

AN M-CLASS COLD ATOM MISSION
TO PROBE GRAVITY, DARK MATTER
AND QUANTUM MECHANICS

COMMUNITY
& CONSORTIUM
ORGANIZATION

OLIVER BUCHMUELLER,
JOHN ELLIS
WOLF VON KLITZING
[FOR STE-QUEST CORE TEAM]

Workshop Scope

- This event builds on the Community Workshop for Cold Atoms in Space [0] and brings together the cold atom, astrophysics, cosmology, fundamental physics, and Earth observation communities to discuss the outstanding science case and mission profile of STE-QUEST.
- The goal is to build a wider consortium supporting the STE-QUEST science case and the development of its mission concept.

[0] <https://indico.cern.ch/event/1064855/>

Towards a wider STE-QUEST Consortium

- The Phase 2 proposal, due in July, will be based in large of the discussion and material discussed at this workshop.
- The Core Team will assume the main responsibility for writing the Phase 2 proposal, but we would like to demonstrate to ESA the wide support this mission concept and its physics opportunities enjoy in the community.

We propose the following actions:

- We use the list of almost 300 people who registered for this workshop and submit it as appendix to the Phase 2 proposal as supporting authors.
- We will circulate an Email to all registrations asking to opt out of this list, if they wish NOT to sign as supporting authors, before compiling the final list.
- Once the Phase 2 proposal is submitted, it will be put to the arXiv and a call for active authorship will be send the the wider community. This will enable also to incorporated comments and suggestion into a refined Phase 2 proposal, which then will be published in a journal with all authors.
- We will organize annual STE-QUEST workshops to discuss the progress of the mission concept development and to foster a wider consortium (similar to what was done for e.g. LISA in its early days)

This is all up for discussion and we would much appreciate your input!

BACKUP PARTICIPANT ANALYSIS

Participant Analysis

