

2021 CAP Virtual Congress / Congrès virtuel de l'ACP 2021

Monday 7 June 2021

M1-1 Degenerate Quantum Gases and cold Atoms and Molecules (DAMOPC) / Gaz quantiques dégénérés et atomes et molécules froids (DPAMPC) (11:45 - 12:30)

-Conveners: Duncan O'Dell

| time | [id] title | presenter |
|-------|--|---------------------------|
| 11:45 | [569] (I) Ultracold chemistry with triplet molecules | Prof. JAMISON, Alan |
| 11:50 | [570] (I) Quantum Sensing with Matter-Wave Interferometers | Prof. BARRETT, Brynle |
| 11:55 | [571] (I) Quantum archæology: how much time does an atom spend tunneling through a beam of light, and how much time do photons spend "trapped" in atoms? | Prof. STEINBERG, Aephraim |
| 12:00 | [2] Localization of composite quantum particles in a random potential | SUZUKI, Fumika |
| 12:04 | [262] Simulating gravity-assisted loading and motion of laser-cooled atoms in hollow-core optical fibres | VENUTURUMILLI, Sreesh |
| 12:08 | [430] (G*) Quantum bifurcations in a Bose-Einstein condensate | Ms KAMP, Denise |
| 12:12 | [457] Propagation of correlations in the Bose Hubbard model | KENNETT, Malcolm |
| 12:16 | [523] (G*) Manipulation of phonon modes in a trapped-ion system by optical tweezers | TEOH, Yi Hong |
| 12:20 | Group discussion | |