

Atoms, Molecules, Optics and Photonics

Convener: Xavier Urbain (UCL), Room OF2072

14:30 – 15:10 Invited talk: **Stephen Hogan** (University College London),
[Matter-wave interferometry with highly excited atoms](#)

15:10 – 15:30 **Senne Van Loon** (UAntwerpen)
[Transition from supersonic to subsonic waves in superfluid Fermi gases](#)

15:30 – 15:50 **Jérôme Deprince** (UMons)
[X-ray emission from highly-ionized iron ions embedded in high-density astrophysical plasmas](#)

15:50 – 16:10 **Arnaud Dochain** (UCLouvain)
[Mutual Neutralization Studies of S/O anions and Na/Ne cations at Low Collision Energy](#)

16:10 – 16:50 **Coffee break**

16:50 – 17:10 **Dolf Huybrechts** (UAntwerpen)
[Cluster Gutzwiller Monte Carlo approach for a driven-dissipative spin model](#)

17:10 – 17:30 **Michaël Lobet** (ULiège)
[Photonic management using opal-like crystals in perovskite solar cells](#)

17:30 – 17:50 **Wout Van Alphen** (UAntwerpen)
[Dynamics of the decay of dark solitons in superfluid Fermi gases](#)

Posters:

AMOP-1-C **M. E. Cisneros-Gonzalez** (BIRA-ISAB)
[Calibration facility to characterize the MAJIS/JUICE VIS-NIR detectors](#)

AMOP-2-C **Mathilde Remy** (UNamur)
[Preservation of quantum entanglement in transmission through metallic films](#)

AMOP-3 **Raphaël Marion** (UCLouvain)
[Autodetachment spectroscopy of the metastable HD- and D2- anions](#)

AMOP-4 **Pascal Quinet** (UMons)
[Theoretical study of the spectra of nine- and ten-times ionized xenon in the extreme ultraviolet region](#)

AMOP-5 **Pascal Quinet** (UMons)
[Photoabsorption and photoionization processes involving K-vacancy states of highly ionized iron atoms in high-density astrophysical plasma environments](#)

AMOP-6 **Pascal Quinet** (UMons)
[Relativistic Hartree-Fock and Dirac-Hartree-Fock calculations of radiative rates in the La I spectrum](#)

