Axion-like particles: Theory and Experiment

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IPPP Durham

Scientific Program

There is a growing interest in searches for dark matter candidates with masses below those of traditional WIMP candidates. The UK involvement in such experiments is currently quite limited - especially at masses below the MeV scale. This workshop aims to form a proposal that would allow the UK to play a role in this area, with the aim of presenting the proposal to the broader UK particle physics and astrophysics communities.

Topics to be considered include

- The current motivations for low-mass dark matter
- Current and future international experiments/collaborations
- Possible UK-based experiments
- Developing a complementary WIMP / WISP strategy