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Searching for Wave-like Dark Matter with QSHS

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In 2021 the Quantum Sensors for the Hidden Sector (QSHS) collaboration in the UK was founded and received funding to develop and demonstrate quantum devices with the potential to detect hidden sector particles in the microeV to 100microeV mass window. The collaboration has been developing a range of devices and has started to develop a high-field, low-temperature facility at Sheffield University to characterise and test the devices in a haloscope geometry. Here, I introduce the QSHS collaboration aims and current progress.

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