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## Light neutral boson searches with TREK and DarkLight

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Hidden-sector light bosons can provide simultaneous explanations of dark matter and solutions of recent puzzles in particle physics such as the muon anomalous magnetic moment or the proton charge radius. The TREK program at J-PARC, Japan, provides opportunity to search for light bosons in the mass region below  $200 \text{ MeV}/c^2$  via rare decay of positively charged kaons in several decay modes. A dedicated search for a dark photon below  $100 \text{ MeV}/c^2$  is being pursued with the DarkLight program at Jefferson Lab, Virginia, USA, using electron scattering from a hydrogen gas target internal to an energy recovery accelerator. A large production data set has been acquired with TREK in 2015, while preparations are ongoing for the initial phase of the DarkLight program in 2016-17. The status of both programs will be presented.

**Author:** KOHL, Michael (Hampton University)**Presenter:** KOHL, Michael (Hampton University)**Session Classification:** Poster Session**Track Classification:** Beyond the Standard Model