

## Workshop on Microwave Cavity Design for Axion Detection

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# Electric Tiger

*Wednesday, 26 August 2015 16:45 (20 minutes)*

Electric Tiger is a project consisting of designing, building, and taking axion exclusion data with a prototype rectangular prism cavity. The cavity includes regions of dielectric to modify the shape of the resonant modes of the cavity in such a way that coupling to axions is enhanced. The motivation, design, and status of Electric Tiger will be presented and the outlook for the prototype and beyond will be discussed.

**Primary author:** Mr SLOAN, James (UW)

**Co-authors:** Mr GARRETT, Daniel (UW); RYBKA, Gray (University of Washington); Mr PATEL, Kunal (UW)

**Presenter:** Mr SLOAN, James (UW)

**Session Classification:** Open Discussion & Presentation of New Ideas