

## **Directional Dark Matter Detection with High Definition 3D Charge Readout**

I will summarize the work that has been done at the University of Hawaii over the past few years with small gas TPCs exploiting high definition HD pixel charge readout. Our first WIMP-nucleon scattering limit, obtained during a surface run of eight small TPCs optimized for directional neutron detection, will be presented and the implications discussed. Future plans will also be discussed as time permits.

**Primary author:** THORPE, Thomas (GSSI)