

## Directional axion detection

*Tuesday 19 June 2018 09:55 (20 minutes)*

I will discuss how to extend existing axion haloscope designs into specialised modes that are sensitive to the directionality of the axion signal. This is particularly advantageous if one wants to probe the structure our local velocity distribution of dark matter. A directional experiment can grant us a three-dimensional view of this distribution and allow the discovery of the network of tidal streams and phase space substructure likely to be present in our halo.

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