

## **(Minicharged) magnetic monopole with mineral detectors**

*Wednesday, April 15, 2026 3:15 PM (30 minutes)*

A remarkable aspect of mineral-detector search for dark matter is its long exposure.

It can overcome so-called flux limit of ordinary dark matter search.

This allows us to probe not only a dominant component of dark matter, but also sub-dominant or even rare objects in the Universe, including topological defects.

In this talk, we examine a possibility of detecting cosmological relic of magnetic monopoles in mineral detectors, while taking into account other constraints.

We also extend our discussion to minicharged monopole, arising from a dark sector.

### **Do you plan to give the talk in person?**

Yes

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