

IceCube Polar Science Workshop



Contribution ID: 12

Type: **not specified**

The Ice Diver Dust Logger

Wednesday, 20 January 2021 18:35 (20 minutes)

IceCube showed that dustloggers deployed in freshwater boreholes provide highly detailed Antarctic histories for mapping chronology across the continent and Southern Ocean. Developed over the same time, the Ice Diver cryobot has proven potential for realizing a deep Philberth probe to explore ice anywhere with a small logistic footprint. The two technologies can be united naturally, and an Ice Diver Dust Logger would enable searches for the oldest pristine ices on earth.

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Session Classification: Future glaciological instrumentation at the South Pole (IceCube Upgrade, RAID and beyond)