

Contribution ID: 22

Type: **not specified**

## The Price of Tiny Kinetic Mixing

*Monday, January 14, 2019 12:00 PM (30 minutes)*

Scenarios with a dark sector involving a light gauge boson have attracted considerable attention recently. The kinetic mixing of such a “dark photon” with the standard photon has to satisfy very stringent experimental bounds, which are violated in the simplest case where kinetic mixing is generated at the one-loop level. I will present scenarios where a sufficiently small kinetic mixing can be obtained.

**Presenter:** Prof. KERSTEN, Joern (University of Bergen)