



Contribution ID: 54

Type: **Oral**

Dual Readout Calorimeter for Future Colliders

Thursday, 18 May 2023 16:10 (20 minutes)

Calorimeters for future colliders will need unprecedented energy and timing resolution, as well as particle identification capabilities. Our collaboration, CalVision, a collaboration of scientist from FNAL, Argonne, Caltech, Maryland, Michigan, Milano-Bicocca, MIT, Oak Ridge, Princeton, Purdue, Texas Tech, and Virginia, is working on making maximal use of available information to enable this future program. This includes novel measurements and optimized use of information in new particle-flow-like algorithms with Dual Readout Calorimetry. In this talk, we present our goals and preliminary results.

Primary author: KUNORI, Shuichi

Presenter: KUNORI, Shuichi

Session Classification: Physics and Detectors: Track 3

Track Classification: Physics and Detectors: Track 3: Detector R&D