



Contribution ID: 246

Type: **Plenary Talk**

## Dark matter laboratory search overview

*Thursday, 14 December 2023 10:50 (50 minutes)*

The nature of dark matter stands as one of the most fundamental mysteries in physics. Numerous theories beyond the Standard Model have postulated the existence of dark matter particles. However, despite extensive research, compelling laboratory evidence has yet to be obtained. In this presentation, I will provide an overview of the global experimental endeavors dedicated to the search for dark matter particles, and briefly discuss future prospects and potential directions.

**Primary author:** LIU, Jianglai (Shanghai Jiao Tong University)

**Presenter:** LIU, Jianglai (Shanghai Jiao Tong University)

**Session Classification:** Plenary Talk