



Contribution ID: 381

Type: **not specified**

ColliderScope: Electronic(s) Music for Collider Physics

Tuesday 14 May 2024 16:15 (15 minutes)

If science outreach is about connecting with new audiences, music remains a uniquely accessible form of outreach. However, physics music needn't be limited to campy parodies. A project for creating music that is accessible at multiple technical levels will be presented. Using a form of 2D wavetable synthesis, a form of electronic music uses stereo audio signals, mapped onto an oscilloscope's X-Y mode, to create images of LHC experiments from the music itself. On the dance floor, ColliderScope allows the physics community to reach truly new audiences. This talk will describe the project and its philosophy.

Mini Symposia (Invited Talks Only)

Author: LEE JR, Lawrence (University of Tennessee (US))

Presenter: LEE JR, Lawrence (University of Tennessee (US))

Session Classification: Outreach, Community Engagement & DEI

Track Classification: Outreach, Community Engagement & DEI