



Contribution ID : 113

Type : **not specified**

Determination of the Fluxes in the ILD calorimeters at the Circular Colliders

Tuesday, 17 June 2025 12:10 (20)

The detector based on Particle Flow require highly granular calorimeters posing many challenges in their implementation. Specifically, their electronics must be embedded, and the scaling of the DAQ and cooling systems must be adequately scaled. Using the CaloFlux tool, based on full simulation of the main processes and machine backgrounds, we can estimate the flux of hits in section of the calorimeter system; from there the data and heat production under various assumptions on the electronics can be assessed. This will be illustrated for the ILD detector; extensions to other detector will be discussed.

Presenter(s) : BOUDRY, Vincent (LLR – CNRS, École polytechnique, Institut Polytechnique de Paris)

Session Classification : Detector