

Future Circular Collider (FCC) is a planned collider of the European Organization for Nuclear Research CERN. This collider with a circumference of almost 100 km will reach centre-of-mass energies of the order of 100 TeV. This thesis examines the system of calorimeters for the experiment FCC-hh (proton-proton collision). In order to be able to measure the true energy that particles leave in calorimeters, it is necessary to calibrate the system. For that reason is used a simulation of passage of pion showers through calorimeters and its analysis.