

## FLUKA benchmark study of radiation environment inside CMS cavern

A detailed study of the radiation field during operation inside the CMS experimental cavern (located at CERN accelerator complex) was performed using FLUKA Monte Carlo code. Some of the simulated results were compared to data of LHC runs in 2010. The measurement results were supplied by several ionization chambers at different locations in the cavern. In this talk, a summary of the performed studies and the results is presented.