

A new approach in modeling the response of RPC detectors

Friday, 12 February 2010 09:00 (20 minutes)

The response of RPC detectors is highly sensitive to environmental parameters. A novel approach is presented to model the response of RPC detectors in a variety of experimental conditions.

The algorithm, based on neural networks, has been developed and tested on the CMS RPC gas gain monitoring system during operation at the scaled-down prototype recirculation gas system.

Primary author: Mr COLAFRANCESCHI, Stefano (INFN-LNF, Frascati)

Presenter: Mr COLAFRANCESCHI, Stefano (INFN-LNF, Frascati)

Session Classification: Gas systems and ageing (I)