



Contribution ID : 680

Type : Oral talk

Gas gain study of a large-size multilayer Micromegas

Wednesday, 7 October 2020 18:50 (15)

The results of the study of a large-size, multilayer Micromegas detector with X-ray source Cd-109 are discussed. The detector consists of 4 layers, each of them is a Micromegas detector with resistive anode and strip-based read-out structure. The gas volume of the chamber is splitted to 4 parts interconnected in 6 points. Results of the measurements of the gas gain curves and the 1st Townsend coefficient as well as the E_{amp}/E_{drift} characteristics are presented and discussed. Based on this results it is shown the presents of gas leak in the module, influence of the leak on operation of the module is estimated.

Primary author(s) : DUBININ, Filipp (LPI RAS); Dr. IENGO, Paolo; Dr. SEKHNIADZE, Givi; Dr. ZHUKOV, Konstantin (The Lebedev Physical Institute of the Russian Academy of Sciences)

Presenter(s) : DUBININ, Filipp (LPI RAS)

Session Classification : Facilities and Advanced Detector Technologies

Track Classification : Facilities and advanced detector technologies