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| Name-Surname | Panagiotis Mpellos |
| Thesis Title | <i>Comparison of spatial resolution and efficiency in MicroMegas chambers with data of test beams from CERN</i> |
| Supervisor | D. Fasouliotis, Associate Professor |
| Summary | The Large Hadron Collider at CERN in the next few years is going to be upgraded to produce larger luminosity. A part of the muon spectrometer of ATLAS experiment, the Small Wheel, will be replaced to withstand the new conditions. One of the two types of detectors that will be placed in the New Small Wheel is the MicroMegas chambers. The MicroMegas chambers are one of the most recent developments in gaseous detectors and they have very high performance. The purpose of this study is to compare two slightly different types of MicroMegas chambers to choose the more appropriate to be placed in the New Small Wheel. |
| Key words | ATLAS experiment, High energy physics, Particles detectors, MicroMegas, New Small Wheel |
| Evaluation committee | D. Fasouliotis, Associate Professor C. Kourkoumeli, Professor I. Gialas, Professor |