

AN OBJECT ORIENTED APPROACH TO THE DATA MANAGEMENT FOR THE ARGO-YBJ EXPERIMENT

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The Argo-YBJ detector will be able to continuously monitor the sky with a low energy threshold, an high duty cycle and a large solid angle. The experimental and Monte Carlo data flow will be some order of magnitude larger than the data flow of the past experiments and it requires a new approach to face out the management and the distribution of the data for the end user analysis. In the paper an Object Oriented framework for the data analysis will be discussed and the use of an Object Oriented Database (Objectivity) and the use of the Root package will be presented. More then one million of Monte Carlo events were stored in order to test the performance and the flexibility of the computing model.