



Contribution ID: 71

Type: **not specified**

BESIII Data Preservation

Thursday 3 October 2024 09:20 (20 minutes)

BESIII is an experiment running on the Beijing Electron-Positron Collider II (BEPCII), with plans to continue operations until 2030. While BESIII had made some preliminary studies for long-term data preservation and applications, it recently decided to adopt the level 4 model of the DPHEP. A working group, consisting of members from the BESIII collaboration and the Computing Center at the Institute of High Energy Physics, has been formed to work on the strategies and technologies for the long-term preservation of BESIII data. According to the level 4 model, all experimental raw data, databases, and legacy data analysis tools will be reserved, ensuring that data analysis can be conducted after the experiment concludes. In addition, to legacy data analysis, the group is considering introducing machine learning methods to potentially replace traditional event reconstruction processes, providing an alternative pathway for data analysis for those unfamiliar with the BESIII experiment. This report will briefly introduce the current status and future plan for this effort.

Summary

Author: CHEN, Gang (Chinese Academy of Sciences (CN))

Co-author: Dr LIU, Beijiang (Institute of High Energy Physics, Beijing)

Presenter: CHEN, Gang (Chinese Academy of Sciences (CN))

Session Classification: Experiments and sites