Data Quality Working Programme

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1) Measuring Process

- a) Real time control of the device parameters i.e. high voltage, ADC status etc..
- b) Control of the measuring process;
- c) Data transmission, eventually simulation of the data acquisition system within the transmission, check of the possible errors; estimation of the noise in signal cables;

2) Preliminary data analysis

- a) Data analysis of data with improbable values; statistical methods; possiblity of on-line analysis and correction of the raw data;
- b) Data fitting -> flat data convenient for final analysis;
- c) Method for relative fluctuations -> gradient -> finding out of possible systematics;

3) Development of statistical criteria and methods for estimation of the data quality taking into account the experience of the team for data analysis in the field of high energy physics

- a) Intercalibration methods;
- b) Correlation analysis;
- c) Data conc;

4) Data visualisation and data storage

- A) Data base using methods for large data storage;
- B) Security of the data i.e. the data access;
- C) Check of the possible errors during the visualisation;