JADE Computer Note 58 This is JADEPR.TEXT(NOTE58)

P. Steffen, 82/08/12

New Conventions for Calibration Data

With increasing data the calibration files F11LHO.AUPDAT0 and F11LHO.AUPDAT1 have grown larger and larger. Up to now about 240 tracks of disk storage are used. Also the cpu-time used to read and update the calibration constants is no more negligable, esp. if events are not always ordered with increasing run number.

Most of the data on the calibration files are the so called 'spinning block' data for the lead glass arrays and the tagging counters. These data are only used in the REDUC1 data reduction and in special cases of a recalibration of lead glass pulse heights. If one would drop these data from the standard calibration files one would need less than 40 tracks for the calibration files and certainly also less computer time.

Therefore the following changes are made on
Wednesday, August, 18th, 17.00:

'F11LHO.AUPDAT0')
) ---> 'F11LHO.AUPDAT1' (without spinning block data)
'F11LHO.AUPDAT1') 'F11LHO.AUPDAT0' will be obsolete

'F11LHO.BUPDAT0' = old 'F11LHO.AUPDAT0' (incl. spinning block data)
'F11LHO.BUPDAT1' = old 'F11LHO.AUPDAT1' (incl. spinning block data)
'F11LHO.KALWRK0' stays unchanged

The subroutine KLREAD will produce a warning printout, if no 'spinning' block constants are present and therefore no recalibration of leadglass data is possible.
The standard lead glass calibration routine LGCALB will be changed such, that the program stops with a printout, if called without available calibration data.

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Most of the data on the calibration files are the so called 'spinning block' data for the lead glass arrays and the tagging counters. These data are only used in the REDUC1 data reduction and in special cases of a recalibration of lead glass pulse heights. If one would drop these data from the standard calibration files one would need less than 4000002000 tracks for the calibration files and certainly also less computer time.

Therefore the following changes are made on
Wednesday, August, 18th, 17.00:

'F11LHO.AUPDAT0')
) ---> 'F11LHO.AUPDAT1' (without spinning block data)
'F11LHO.AUPDAT1') 'F11LHO.AUPDAT0' will be obsolete

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