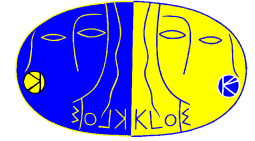


Status reports/Discussion items

S. Dell'Agnello	DC geometry review DC wire sag measurements
P. de Simone	DC s - t relations with new sag model
S. Miscetti	EmC geometry EmC response validation
S. Miscetti	Event selection for background insertion Background insertion for EmC
M. Moulson	Background insertion for DC DC dead/hot simulation
M. Moulson	Update of beam position, momentum info
C. Bloise	Other MC tuning
I. Sfiligoi	DB modifications for DST's



DC geometry/wire sags

Wire sags: S. Dell'Agnello, C. Forti

Being measured, need to deliver map of new sags ASAP

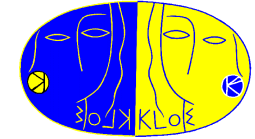
DC geometry in MC: A. Antonelli, S. Dell'Agnello, M. Primavera:

DC moved in GEANFI

Tracking banks seem to be OK

Possible complication with DHSP, trkmon

Complicates s - t calibrations for MC?



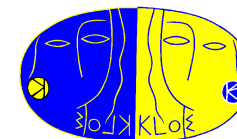
DC insertion: to-do list

For DC insertion/simulation code:

- **Adjustment for different s - t relations in MC/data**
- A/C module to suppress hits on hot/dead channels (DONE)
DCDELETE in MCT library
- Make pristine copy of DTHA bank to allow reprocessing without background (DONE)
INSERT, T0_MENO, DCDELETE modified to write MDTH
RAW2DTCE modified to recreate DTHA from MDTH if it exists

For INSERT module:

- Install KID routines for reading background file (DONE)
INSERT now features two commands (OPEN_FILE and OPEN_URI)
-

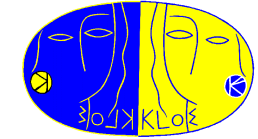


Database modifications

Example of new table to extend information in logger.mc_runs:

logger.mc_runs One entry per MC run	logger.mc_runs_raws One entry per MC run and background file	
MCCard_ID, MCRun_Nr	MCCard_ID, MCRun_Nr	Primary keys identifying MC run
	Bkg_Run_Nr, Bkg_Version, Bkg_Offline_ID, Bkg_Datarec_Nr, Bkg_Stream_ID,	Primary keys of associated background, can be used to index: • logger.datarec_logger • logger.datarec_raws → logger.raw_logger

Create views *e.g.*, to allow MC files to be selected by physical run number



New DB2 table: *Logger.MC_Raws*

Name		Type		Can be null	Description
MCCard_Id	PK	integer	FK	No	MC part of the key
MCRun_Nr	PK	integer			
Run_Nr	PK	integer	FK	No	Raw file part of the key
Farm_Id	PK	char(3)			
Receiver_Nr	PK	integer			
Builder_Nr	PK				
Stream_Id	PK	integer			
Recorder_Nr	PK	integer			
Gb_Nr	PK	integer			

To link from raw background file used for reconstruction of MC file:

Logger.MC_Logger.MCBack_ID = Logger.Datarec_Logger.Stream_Id

This means at most one background file per background “stream”

- Technically not completely true, possible to recycle GB_NR; not foreseen
- Important point: No background versions

Igor can add **Logger.MC_Logger.MCBack_Version** if necessary