

Current Status

Task: include ZDC in data (also include BD & T0 branches for analysis)

- **PV in data was found**
 - **Bug was found => not all vertex were in the output files <= fixed**
- **DQGSM events from data PV were simulated**
 - **/eos/nica/bmn/sim/gen/DQGSM**
 - **Zdc geometry & GEANT3? <=Geant3 first step**
 - **rootgeom_bmnzdc_104mods_v2_Zpos_8759mm_Xshift_422mm_Yshift_14mm.root**
 - **rootgeom_bmnzdc_104mods_v2_Zpos_8759mm_Xshift_457mm_Yshift_-14mm.root**
 - **Problems with GOVORUN cluster**
 - **No libraries for FairSoft may16p1 (libSM6, libICE) <=fixed**
- **Next:**
 - **Make CbmStsDigi ...**
 - **MK for Run6?**

Current Status

- **Embedding scheme:**
 - **Get PV => QGSM MC Geant3 => MCPoints to CbmStsDigi**
 - **=> CbmStsDigi to experimental format (BMN_DIGIT tree)**
 - **Reconstruct events => Analysis => select events with Lambda**
 - **=> Redo new file to experimental format**
 - **Make new data set**
 - **Raw data file+embedding_file=> new data file**
 - **FairSoft & FairRoot oct17p1**
 - **BmnZdcDigiProducer error <= fixed!!**
 - **Soon macro will be ready for production <=now here**
 - **Data analysis (including efficiencies for tracks)**
 - **Calculate efficiency of reconstruction**
- **Main goal => all-in-one: automatization, notes in code**
- **MC with ZDC & BD <= in the progress**

- Inefficiency of GEMs (??)

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GEMeffByRuns_35_Al_v1.root      GEMeffByRuns_45_Pb_at4.root      mean_effs_45_Al_at3.txt      mean_effs_45_Cu_at4.txt_I      mean_effs_4_C_at4.txt_def
GEMeffByRuns_35_Cu_v1.root      GEMeffByRuns_45_Pb_full.root      mean_effs_45_Al_at4.txt      mean_effs_45_Cu_at4.txt_II     mean_effs_4_C_at4.txt_I
GEMeffByRuns_35_C_v1.root       GEMeffByRuns_4_Al_at4.root        mean_effs_45_Al_at4.txt_def  mean_effs_45_Cu_full.txt       mean_effs_4_C_at4.txt_II
GEMeffByRuns_45_Al_at2.root     GEMeffByRuns_4_Al.root            mean_effs_45_Al_at4.txt_I    mean_effs_45_Pb_at2.txt        mean_effs_4_C.txt
GEMeffByRuns_45_Al_at3.root     GEMeffByRuns_4_Al_v2.root         mean_effs_45_Al_at4.txt_II   mean_effs_45_Pb_at3.txt        mean_effs_4_Cu_at4.txt
GEMeffByRuns_45_Al_at4.root     GEMeffByRuns_4_C_at4.root         mean_effs_45_Al_full.txt     mean_effs_45_Pb_at4.txt        mean_effs_4_Cu_at4.txt_def
GEMeffByRuns_45_Al_full.root    GEMeffByRuns_4_C.root             mean_effs_45_C_at2.txt      mean_effs_45_Pb_at4.txt_def    mean_effs_4_Cu_at4.txt_I
GEMeffByRuns_45_C_at2.root      GEMeffByRuns_4_Cu_at4.root        mean_effs_45_C_at3.txt      mean_effs_45_Pb_at4.txt_I     mean_effs_4_Cu_at4.txt_II
GEMeffByRuns_45_C_at3.root      GEMeffByRuns_4_Cu.root            mean_effs_45_C_at4.txt      mean_effs_45_Pb_at4.txt_II    mean_effs_4_Cu.txt
GEMeffByRuns_45_C_at4.root      GEMeffByRuns_4_Cu_v2.root         mean_effs_45_C_at4.txt_def   mean_effs_45_Pb_full.txt       mean_effs_4_Cu_v2.txt
GEMeffByRuns_45_C_full.root     GEMeffByRuns_4_C_v2.root         mean_effs_45_C_at4.txt_I    mean_effs_4_Al_at4.txt         mean_effs_4_C_v2.txt
GEMeffByRuns_45_Cu_at2.root     GEMeffByRuns_4_Pb_at4.root        mean_effs_45_C_at4.txt_II   mean_effs_4_Al_at4.txt_def     mean_effs_4_Pb_at4.txt
GEMeffByRuns_45_Cu_at3.root     GEMeffByRuns_4_Pb.root            mean_effs_45_C_full.txt     mean_effs_4_Al_at4.txt_I      mean_effs_4_Pb_at4.txt_def
GEMeffByRuns_45_Cu_at4.root     mean_effs_35_Al_v1.txt             mean_effs_45_Cu_at2.txt     mean_effs_4_Al_at4.txt_II     mean_effs_4_Pb_at4.txt_I
GEMeffByRuns_45_Cu_full.root    mean_effs_35_Cu_v1.txt            mean_effs_45_Cu_at3.txt     mean_effs_4_Al.txt             mean_effs_4_Pb.txt
GEMeffByRuns_45_Pb_at2.root     mean_effs_35_C_v1.txt             mean_effs_45_Cu_at4.txt     mean_effs_4_Al_v2.txt
GEMeffByRuns_45_Pb_at3.root     mean_effs_45_Al_at2.txt           mean_effs_45_Cu_at4.txt_def mean_effs_4_C_at4.txt

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- stsDigiFile

- sts_v18BMN_gem.digi.par
- sts_v18BMN_v3_gem.digi.par
 - => Check residuals??