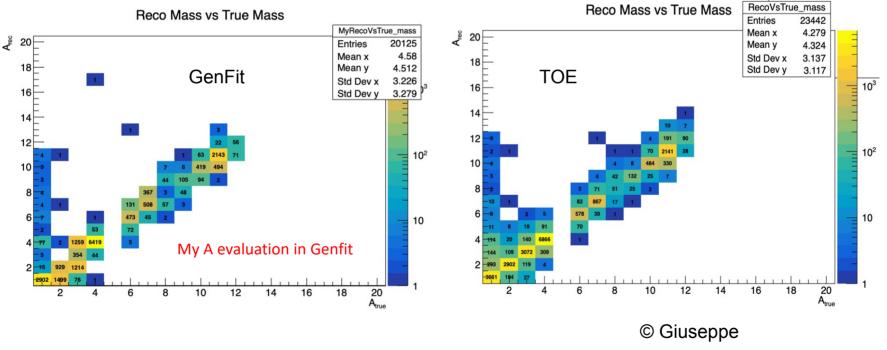
Overview of software activities

Ch. Finck & M. Toppi



The last months..

- ... have been "still" busy ...
 - Global reconstruction either with TOE <u>or</u> GenFit
 - (or TAGactNtuGlbTrackS action)



- Many bug fixes and code improvements



- We are near the Goal:
 - All detectors are in shoe with all the interfaces
 - Global framework can be used regardless the methods
 - The development on the detector side
 - still need to compute calibration parameters for some campaigns (e.g.: TW for GSI2021)
 - still no "real" alignment for some detectors (e.g.: MSD for GSI2021)
 - still need improvements in some algorithms (e.g.: CAL clustering)
 - Still no global alignement strategy (see last talk)

Status (ii)

Oxygen documentation ongoing, server hosted in Roma (ST, MSD, TW and CAL, not yet done) **Detailed Description** NTuplizer for VTX vertices SHOE documentation Main Page Related Pages Modules Namespaces - Classes - Files Constructor & Destructor Documentation TAVTactNtuVertex Class Beference NTuplizer for VTX vertices. More. TAVTactNtuVertex() Inheritance diagram for TAVTactNtuVerte TAVTactNtuVertex::TAVTactNtuVertex (const char * name = 0. TAGdataDsc * pNtuTrack = 0. TAGdataDsc * pNtuVertex = 0, TAGparaDsc * pConfig = 0, TAGparaDsc * pGeoMap = 0 TAGparaDsc * pGeoMapG = 0. TAGdataDsc * pBmTrack = 0 Public Member Functions TAVTactNtuVertex (const char *name=0, TAGdataDsc *p_ntutrack=0, TAGdataDsc *p_ntuvertex=0, TAGparaDsc *p_config=0, TAGparaDsc *p_geomap=0, TAGparaDsc *p_g omapG=0. TAGdataDsc *p bmtrack=0 virtual ~TAVTactNtuVertex () Destructor void SetEps (Double_t q) Default constructor Double t GetEps () const Parameters Get tolerance [in] name action name void SetMinimumZ (Double 1 min et miminum Z for ver [in] pNtuTrack track container descripto Double 1 GetMinimumZ () cons [out] pNtuVertex vertex container descriptor Get miminum Z for vertices s void SetMaximumZ (Double_t max) [in] pConfig configuration parameter descriptor Get maxinum Z for vertices sea [in] pGeoMap geometry parameter descriptor Double t GetMaximumZ () const t maxinum Z for vertices searc [in] pGeoMapG target geometry parameter descripto Public Member Functions inherited from TAVTactBa [in] pBmTrack input BM track container descriptor Public Member Functions Inherited from TAGaction Public Member Eurocione inherited from TAGname

Ready for global analysis mainly assess by MC data

Ready for GSI2021 analysis, but ...

- still needing alignment for MSD (and dead map)
- still needing the calibration for TW

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'final' considerations

Global Reconstruction is now available:

- Please using the latest version (master or newgeom) for reconstruction:
 - Helping a lot for debugging and make the code more stable (many thanks to Yun, Giuseppe, Roberto Z.... who are our Beta testers)
- Please push your changes in the newgeom branch to make them available for everybody
- Avoid standalone executable (outside the framework) does not ease the integration in shoe

Pb of recurrent man power

What's ahead of us..

- Improve documentation:
 - We still need to update the twiki page
 - <u>http://arpg-serv.ing2.uniroma1.it/twiki/bin/view/Main/FOOTSoftware</u>
 - We still need to update the Doxygen documentation
 - <u>http://arpg-serv.ing2.uniroma1.it/FOOTshoe/shoe/html/index.html</u>
- Analyse GSI2021 data:
 - still pending issues
- Prepare HIT2022 data taking
 - Define the minimal expected setup for physics run (w or w/o trackers)
 - Define MC simulations accordingly
 - Dedicated session at the end of the meeting



Thanks for your attention

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XII FOOT collaboration Meeting