

Software status/plans

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Status (since March 2010 !)

- We have completed CD1 homework
 - Submitted a few days ago to DOE
 - Many thanks to the heroic efforts of some.

Status-II (as shown in March)

- We have made huge progress in secondary vertex fitting
 - NOT a result of HFT work per se
 - Track info inside vacuum (important)
 - Full error fitting out/in Kalman framework
 - STAR uDSTs already contain this info
 - This is a post-CDx area for effort

This effort has started. Come tomorrow for more info.

Plans (as shown in March)

- First things first, aka pre-CD2 homework
 - Finish analyses on current + CDR productions, get plots
 - Write up the response - **DONE**
- PIXEL Calibration structures (see next slides)
 - Analysis of PIXEL data
 - Finalize and implement methods and structures
 - Need 3-4 day workshop with experts
 - LBL around the 2nd half of May? - **NOW starting**
- Expand on simulation work
 - Finalize D_s, D₊
- Create/Populate 'official' areas - **still pending**

Documentation issue starts biting

- We need both **Public** and **Protected** areas
 - So far we have DRUPAL, HF area and e-Room (all protected)
 - on DRUPAL we have the HFT area and the Events (plus blogs of individuals)
 - on eRoom many things
 - on PWG areas private pages, e.g. Y.Z (production logs), J.K. (tracking, Lc etc)
 - Public areas are peoples' areas, e.g. H.W, F.V, L.G., me
 - CVS is for code not documents
 - Star-notes are for summaries
- Still something is missing
- Needs attention

The research milestones are based on the following project milestones:

Q4 FY 09	CD-1
Q4 FY 10	CD-2/3
Q4 FY11	New STAR beam pipe installed (off- project funding)
Q4 FY 11	Engineering prototype installed
Q4 FY 12	Pixel detector installed
Q4 FY 13	HFT fully installed ←
Q2 FY 14	CD-4

FY2011 Milestones

Q1 FY 11	Functional Pixel Calibration
Q3 FY 11	Cosmic ray test for Pixel prototype and SSD performed and analyzed ←
Q4 FY 11	Tracker/Vertex finders upgraded/tuned/ debugged
Q4 FY 11	IST prototype module cosmic ray test
Q4 FY 11	Calibration Databases finalized

FY2012 Milestones

Q1 FY 12	Pixel prototype calibrated
Q1 FY 12	Cosmic ray test of fully integrated IST barrel analyzed
Q3 FY 12	Reconstruction software finalized/ready for physics
Q3 FY 12	Finalize geometry in simulations
Q3 FY 12	Functional HFT calibration
Q4 FY 12	Analyze data from prototype run ←

Summary

- We are doing ok with timelines and tasks
- A core of a handful people is very active
 - but periphery is lost
 - need re-engagement plan and fresh ideas/effort