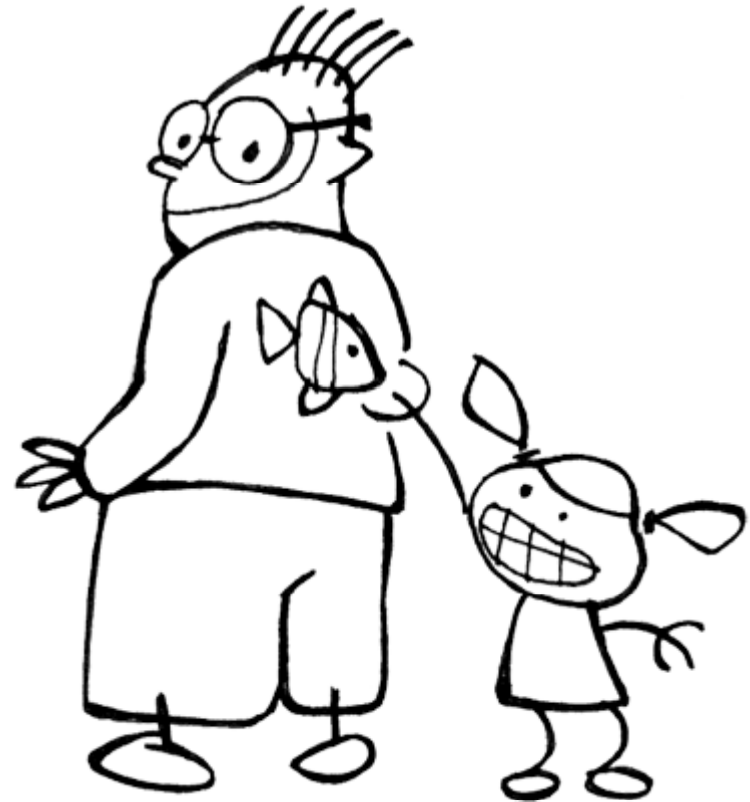




BDS updates

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April 1, 2009

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BDS updates - MDI

- Completed, by BDS-IR Integration & MDI-D, the “IR Interface Document”
- Recently started Vacuum Science task force, led by O.Malyshev, STFC, focusing on IR vacuum system
- Arranged visit of Alain Herve (former CMS technical coordinator, now ILD) to come to SLAC for 2 month from May 11, to work on bringing the ILD and SiD push-pull solutions to a compatible and cost effective design
- Trying to arrange funding (no promise) of three MDI instrumentation University projects from BDS funds
- Re-started work with Rad. physics group for shielding calculations



BDS updates – cont.

- Optics of BDS MM being worked on – to be discussed at TILCo9
- Recently reviewed – Crab cavity work at STFC
- The power saving magnet groups is proceeding with their work
- Proceeding with detailed design of SC FD for ATF2
- Arranged visit of Satnamurthy Pollepale (BARC) to SLAC for a month, in May, to continue the work on beam dump design



ATF2 – focus of efforts

- Feb-Mar run: ~10micron beam in laser wire mode of BSM
- Commissioning organization
 - Proceeding with strengthening centralization and planning
 - Introducing an “International Coordinator” role
- Bring more experts with recent experience of commissioning (of PEP-II, etc)
 - Walter Wittmer; Min-Huey Wang; Feng Zhou to SLAC ATF2 team
- Now big focus on April run – goal submicron beam size in interferometer mode of BSM
- Organized IFIC-Spain / SLAC-US collaboration to build multi-OTR system for fast emittance measurements – aim for Dec 09
- Will upgrade Sextupole mover for faster tuning – Apr 09



Key points for BDS/MDI AAP review

- IR Interface process & key agreements
- Further plans on IR design
- Min Machine parameters and optics plans
- Systems design
 - BDS & MDI instrumentation
 - Beam dump
 - Crab cavity
 - Collimation