

PID TDR: Finished or close to finish

- About 60% finished. Mostly detector related chapters.
- Some chapters need to be tweaked (background numbers, details of mechanics, shipment method, electronics, etc.)
- The latest version of the PID TDR chapter available at:
<http://www.slac.stanford.edu/~narnaud/SuperB/DTDR/dtdr-PID.pdf>

TDR – chapters not yet touched:

- 8.1.1 Physics requirements - Cincinnati, Maryland
- 8.3.1 Reconstruction - Arnaud, Roberts
- 8.3.2 MC Simulation
 - Fast simulation - Arnaud
 - Full simulation - Roberts
- 8.3.3 Effect of Background on performance – Perez, Cenci, Vavra, Kravchenko
- 8.4.1 Impact on other systems - Benettoni, Simi, Vavra
- 8.4.5 Mechanical support
 - Description of BaBar bars, bar boxes - Vavra, Arnaud

TDR – chapters not yet touched

- 8.4.6. Electronics readout, HV and LV (5-6 pages)
 - Motherboard - Christophe, Mazziotta
 - Support services – Christophe
 - Services - Christophe
 - HV power supplies - Vavra, Simi
- 8.4.7. Integration issues (2 pages)
 - Background shield and access to detector maintenance - Benettoni, Vavra, Simi, Perez
 - Earthquake analysis of FBLOCK & bar box structure - Benettoni, Simi
 - PMT protection (large backgrounds, helium) - Vavra, Mazziotta, Simi, Perez
- 8.4.8. DAQ and computing (1 page)
 - Data flow - Breton
 - Feature extraction in the ROM - Breton
- 8.4.9. FDIRC R&D Results until now (2-3 pages)
 - Test beam results from the 1-st FDIRC prototype - Vavra
 - CRT test results from the 1-st FDIRC prototype - Vavra
 - Scanning setups to test H-8500 PMTs and Electronics - Vavra, Roberts, Gargano, Veronique
- 8.4.10. Ongoing FDIRC R&D (1-2 pages)
 - Experience with the final FDIRC prototype in CRT - Vavra, Padova, Bari, LAL

TDR – chapters not yet touched

- 8.4.11. System responsibility and management (1-2 pages)
Management structure - SLAC, LAL, Padova, Bari
Institutional breakdown by task - SLAC, LAL, Padova, Bari
- 8.4.12. Cost, schedule, funding profile, (1-2 page)
Budget - Vavra, Arnaud, Mazziotta, Simi
Schedule and Milestones - Vavra, Arnaud, Mazziotta, Simi
Critical path Items - Vavra, Arnaud, Mazziotta, Simi
- 8.5. Forward option, 4-5 pages
- 8.5.1. Physics motivation - Arnaud, Stocchi
- 8.5.2. Outline of FTOF detector technology - Arnaud, Stocchi, Vavra
- 8.5.3. Committee recommendation - Hassan
- 8.5.4. Motivation for a Forward PID Detector