

MVTX Status - WBS 3.2

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sPHENIX L2 Meeting

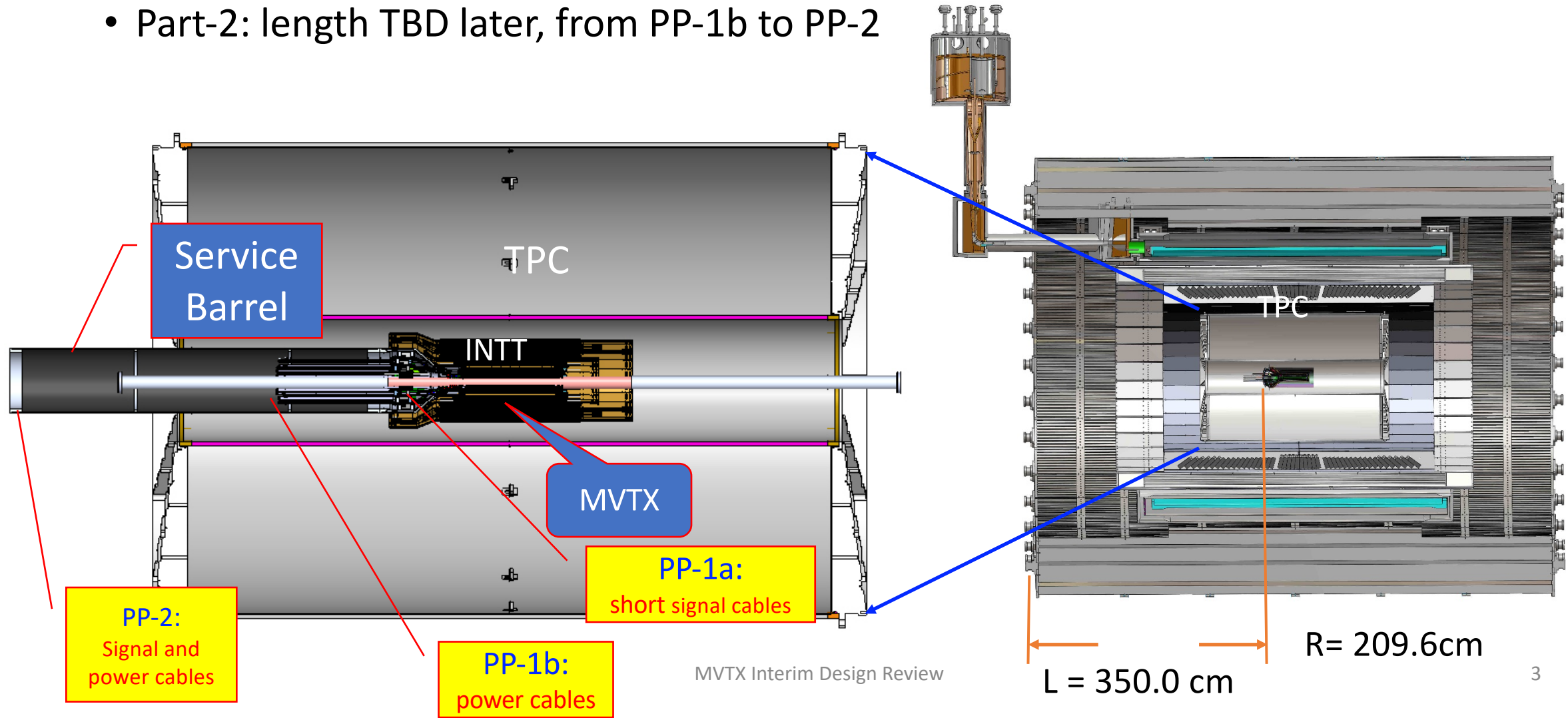
11/29/2018

Project Status

- RU and Stave procurement in progress
 - Tom is working on the paperwork through OSP at UTK, more news in two weeks
 - Technical doc and paperwork were prepared and sent to UTK from BNL
- MVTX project in P6
 - Work in progress on funding details
 - Split engineering/tech T&E among LANL, MIT, LBNL, BNL etc.
 - Adjustment in WBS scope (some moved to WBS 2.x) to keep the total cost under \$5M cap
 - To be updated at Dec. sPHENIX collaboration meeting
- MVTX Interim Design Review, 11/19/2018
 - Led by John Haggerty, draft recommendations being circulated
 - no evident showstoppers
 - <https://indico.bnl.gov/event/5351/>

Progress with MVTX Global Mechanical Integration

- MVTX service barrel design proposed, with two parts:
 - Part-1: from MVTX to PP-1b, all power PCB, 40cm
 - Part-2: length TBD later, from PP-1b to PP-2



Near Term Plan

- CERN/ALICE visit planned ~end of January 2019
 - Walt, Ming, and MIT/Bolek, Jim, Ross et al
 - Mechanical design and integration
 - Produce 5 staves for MVTX telescope
- Preparation for MVTX stave production at CERN
 - One LANL PD hired at CERN
 - MIT student/postdoc/tech help at CERN, under discussion
 - LBNL will start preparing the MVTX detector lab as soon as funds will transferred
- Fermilab beam test with INTT, ~May 2019
 - Waiting for HDI cables for INTT
 - MVTX telescope will be ready ~March 2019
 - A joint test beam proposal being developed
 - Test global tracking, timing etc.
- Possible MVTX beam test at LBNL
 - MVXT sensor and readout electronics characterization etc.
 - Details under discussion

MVTX & Tracking Workfest at FUS, 12/5, 8-9

- Update project cost & schedule
- Discuss and update institution roles
 - Tasks, resources and schedules
- Improve MVTX related tracking and analysis
 - Decision regarding number of layers of the INTT during the collaboration meeting
 - Update tracking software
 - Update physics plots
- Draft agenda,

<https://docs.google.com/document/d/1oqJOvoqNYKJQM1N8acV2lidam84iOIE4uLY1kfrC20o/edit?usp=sharing>