

MVTX Proposal Status & Plan

- Received extensive and very good comments and suggestions from the collaboration, thanks!
- Complete the full proposal in next ~1week (Jan 26, Friday) and send it to ALD by ~Jan 30, 2018
 - Address the comments received from the collaboration
 - Alternative possible funding paths? at least on-
 - Final edit, Jan 26 ~ Jan 30
- After the collaboration review, plan to submit a modified version of this proposal (remove most of the cost & schedule discussions) to arXiv for record and future reference
 - Early 2018, March?

- Comments & responses summary doc:

https://docs.google.com/document/d/1CruOsS4g4U2VWMVbF8F2IkDP2H2WSqjR818_OlhVynI/edit#heading=h.s87340nqkunh

- Full proposal link:

<https://www.overleaf.com/10919417bwssgrhhgryc#/41088600/>

Assignments – Please Volunteer!

In general, suggest the primary authors to address the comments first, and discuss them with others as needed. Your comments/questions can be directly put on the google doc.

- Executive summary – Ming, Grazyna, Bob and Maria, Dave, Gunther ...
- Physics motivations – Jin, Xin, Ming ...
- Detector requirements – Darren, Jin, Tony, Haiwang ...
- Technology Choice – Walt, Ming, Grazyna, Bob ...
- Detector performance & sim - Tony, Jin, Haiwang, Xin, Sanghoon, Darren
- Technical scope –
 - High level – Dave Lee, Ming, Xin, Walt ...
 - MAPS & staves production – Cesar, Xuan, Maria ...
 - Readout & DAQ integration – Sho, Alex, Mark, Jo, Martin, John ...
 - Power system – Grazyna/Leo, Xuan, Eric, Ming ...
 - Mechanical carbon structure & assembly – Grazyna/LBNL
 - Detector and service support & integration – Bob/MIT, Walt
- Organization - Maria, Ming, Bob, Grazyna...
- Schedule & Cost – Dave, Maria, Ming, Grazyna, Bob ...
- LDRD – Xuan, Cesar, Alex, Sho, Darren, Ming ...
- sPHENIX baseline rescoping – Jin, Xin, Tony ...

4 Working Groups at Santa Fe MVTX Workshop, 12/2017

- Physics and Simulations
 - HF-Jet TG, **Jin, Xin**, Tony, Sanghoon, Haiwang, Darren, Xiaolong, SukHyun, Cesar, Ming et al
- Staves, electronics & power system
 - Readout - **Mark, Sho, AlexT, Jo**, Kun, Ming, Giacomo, Kai/BNL/ATLAS, Jin/BNL, Martin, JohnH ...
 - Staves/Sensors- **Cesar, Xuan**, Maria, Ming ...
- Mechanical system
 - Integration - **Bob**, Grazyna, **Walt**, Jim K., Giacomo...
 - Carbon stru. – **Grazyna**
- Project Cost, Schedule, Risks
 - **Dave, Ming, Maria, Bob, Grazyna**, Giacomo, Jo, ...

* Working group team leaders