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Cost and Schedule Review of the sPHENIX vertex detector upgrade, MVTX

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The purpose of this review is to assess the technical feasibility of the sPHENIX vertex detector upgrade, MVTX, within cost and schedule constraints, and to assess the risk the MVTX upgrade introduces to the overall sPHENIX program.

In carrying out this review, the review committee is requested to consider the following questions:

- 1) Are the costs of the project sufficiently well understood, and are all resources required to successfully complete the project fully identified?
- 2) Is the schedule of the project sufficiently well understood and matched to the plan for installation in FY22?
- 3) Are the project risks properly identified and appropriate mitigation strategies in place, including any risks to sPHENIX operations? Do the cost and schedule estimates include adequate contingency based on sound and reasonable risk analysis?
- 4) Is the Project Management Plan complete?

I very much appreciate your willingness to lend your time and expertise to this important process and look forward to receiving your assessment.

A handwritten signature in black ink, appearing to read "Berndt Mueller".

Berndt Mueller
Associate Laboratory Director for Nuclear and Particle Physics
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