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## Comparing Remote Pilot-Tone and Crossbar Switch Compensation Techniques at Diamond Light Source

*Tuesday 20 June 2023 11:30 (30 minutes)*

Recently, Instrumentation Technologies has developed a remote crossbar switch front-end for the Brilliance+ system, allowing their classic Libera switch compensation to also mitigate cable effects. In this talk, we present results from a comparison between the in-house pilot-tone system and the new Brilliance+ remote switching, from both lab testing and real storage ring measurements. We also discuss the effectiveness of our current pilot-tone implementation and steps we are taking to improve performance.

### Summary

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