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## **Update on the status of the uTCA Digitizer BPM design for SARAF Phase II**

*Thursday, 11 May 2023 16:30 (2 hours)*

One of the crucial monitoring systems of any particle accelerator is the Beam Position Monitor (BPM). The purpose of a BPM is to provide information on the position, phase and current of the beam at different points along the accelerator line.

The BPM is a subsystem of the CEA control domain for the SARAF-LINAC instrumentation and Oroliá-Spain has designed, developed, manufactured and tested the system based on CEA technical specifications. A preliminary version of this system has been already installed in the SARAF accelerator in Israel at the beginning 2022 and the first results are going to be shown.

The architecture, design and development as well as the performance of the BPM system will be presented in this paper. The benefits of the proposed architecture and the first results obtained under different conditions will be detailed

### **Funding Agency**

### **Footnotes**

### **I have read and accept the Privacy Policy Statement**

Yes

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