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## **Towards optics measurements with a new LEIR BPM system**

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The LHC Injector Upgrade (LIU) programme forms a cornerstone of the High-Luminosity LHC project. Among its targets, a new Beam Position Monitor (BPM) system has been deployed in the Low Energy Ion Ring (LEIR) to facilitate optics measurements. This paper reports on the commissioning and analysis of turn-by-turn data from the new BPM system. Furthermore, the specific challenges and current limitations in LEIR for achieving long-term coherent excitations with sufficient amplitude for optics measurements are discussed, as well as some of the optics measurements performed so far.

### **Funding Agency**

### **Footnotes**

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Yes

**Primary author:** CARLIER, Felix (Ecole Polytechnique Fédérale de Lausanne)

**Co-authors:** ALEMANY-FERNANDEZ, Reyes (European Organization for Nuclear Research); BIANCACCI, Nicolo (European Organization for Nuclear Research); JACQUET, Delphine (European Organization for Nuclear Research); JENSEN, Steen (European Organization for Nuclear Research); LEVENS, Thomas (European Organization for Nuclear Research); MADYSA, Nico (European Organization for Nuclear Research); MARQVERSEN, Ole (European Organization for Nuclear Research)

**Presenter:** CARLIER, Felix (Ecole Polytechnique Fédérale de Lausanne)

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