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## Performance of the Low Energy Ion Ring at CERN with lead ions in 2022

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2022 has been a performance consolidation year for the Low Energy Ion Ring (LEIR) at CERN that demonstrated its capability of delivering the target beam parameters required for high luminosity production in the LHC in a reproducible and reliable way. The main steps that have led to the high performance reach of this beam, together with the machine stability improvements deployed, are detailed in this paper.

### Funding Agency

### Footnotes

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

Yes

**Primary author:** ALEMANY-FERNANDEZ, Reyes (European Organization for Nuclear Research)

**Co-authors:** FRASSIER, Alexandre (European Organization for Nuclear Research); REY, Anthony (European Organization for Nuclear Research); WETTON, Chris (European Organization for Nuclear Research); MUTIN, Christophe (European Organization for Nuclear Research); GAMBA, Davide (European Organization for Nuclear Research); BODART, Dominique (European Organization for Nuclear Research); Dr CARLIER, Felix (Ecole Polytechnique Fédérale de Lausanne); VELOTTI, Francesco (European Organization for Nuclear Research); LE GODEC, Gilles (European Organization for Nuclear Research); BELLODI, Giulia (European Organization for Nuclear Research); ANGOLETTA, Maria Elena (European Organization for Nuclear Research); BOZZOLAN, Michele (European Organization for Nuclear Research); DOLENC, Miha (European Organization for Nuclear Research); MADYSA, Nico (European Organization for Nuclear Research); BIANCACCI, Nicolo (European Organization for Nuclear Research); MARQVERSEN, Ole (European Organization for Nuclear Research); FOURNIER, Olivier (European Organization for Nuclear Research); MERUGA, Phani Deep (European Organization for Nuclear Research); VALENTIN, Pierre (European Organization for Nuclear Research (CERN)); SCRIVENS, Richard (European Organization for Nuclear Research); ALBRIGHT, Simon (European Organization for Nuclear Research); JENSEN, Steen (European Organization for Nuclear Research)

**Presenter:** BIANCACCI, Nicolo (European Organization for Nuclear Research)

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