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## **Modelling the experimental data for long-range beam-beam wire compensators at the CERN LHC with diffusive models**

*Wednesday, 10 May 2023 16:30 (2 hours)*

Current-carrying wires have long been proposed as measures to mitigate beam-beam effects. Dedicated hardware has been installed at CERN Large Hadron Collider (LHC) and experimental sessions have been organised to study the beam dynamics in the presence of the wire compensators. In this paper, a diffusive model is presented to model the collected experimental data and its performance is discussed in detail.

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### **Footnotes**

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

Yes

**Primary authors:** MONTANARI, Carlo Emilio (Bologna University); BAZZANI, Armando (Bologna University); GIOVANNOZZI, Massimo (European Organization for Nuclear Research); POYET, Axel (European Organization for Nuclear Research); STERBINI, Guido (European Organization for Nuclear Research)

**Presenter:** MONTANARI, Carlo Emilio (Bologna University)

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