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## LLRF II

*Tuesday, 27 June 2023 09:30 (1 hour)*

Modern particle accelerators use electromagnetic energy at RF frequencies to accelerate particles. This course outlines the fundamental concepts needed to understand the monitoring and control of electromagnetic fields. Often this area of study is called "Low-Level RF". The course is aimed at non-electrical engineers with little experience in RF. The course is designed to illustrate frequency domain system design concepts necessary for understanding RF control systems for particle accelerators. The lecture begins with an overview of spectrum analysis, an introduction of control theory, and some examples of LLRF topics.

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