

9th Summer School

# Plasmas in super-intense laser fields



Erice, Sicily, Italy 1-11 July 2022



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## Advancements in magnetic fusion

In the first lecture I will present the concept of magnetic confinement fusion and why it has been taking such a long time to get where we are now. The first lecture ends with the introduction of the European Fusion Roadmap.

In the second lecture I focus on recent advances and still outstanding challenges in the field of fusion science (this covers largely work done at contemporary devices and theory and modelling in preparation for ITER).

The third lecture will focus on fusion technology and is more oriented towards the DEMO programme.