FEYNMAN DIAGRAMS

The course aims to show how to use Feynman diagrams to calculate the amplitude of an event.

1) Fundamental interactions and Feynman diagrams
2) Some relativity and application to particle physics
3) Some quantum mechanics, its use for particle physics
4) Solution of Dirac equation
5) Feyman rules for a toy diagram.
6) Feynman rules for QED
7) Examples

The course should consists of 5 sessions of two hours each.

Previous knowledge of Quantum Mechanics and Special Relativity is required.

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Registration