




 Universidad Nacional de Ingeniería  
 NATIONAL UNIVERSITY OF ENGINEERING, FACULTY OF SCIENCES, LIMA, PERU  
**XIX Meeting of Physics**  
 24<sup>th</sup>-26<sup>th</sup> September 2020

# 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) Feynman rules for a toy diagram.
- 6) Feynman rules for QED
- 7) Examples



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

Previous knowledge of Quantum Mechanics and Special Relativity is required.

[Registration](#)



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