

Winter Term 2020/2021

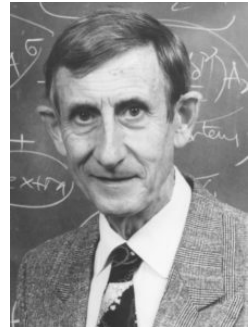
Quantum Field Theory

Lect.: Mon, 12 & Thur, 14 @ 46-576, Exerc.: Mo, 10 46-387

First Lect.: October 26, 2020; First Exerc.: November 2, 2020

Contents:

- Canonical field quantization
- Poincaré group
- Klein-Gordon field
- Noether theorem
- Maxwell field
- Dirac field
- Quantum electrodynamics
- Perturbation theory: Wick rule and Feynman diagrams
- Scattering processes: cross section



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