

Bibliography

The following text may serve as useful references in the study of the Standard Model of Particle Physics.

Particle Physics

| | | |
|---|-----------------------|-------------------------|
| Introduction to the Standard Model and Beyond | Raby | _____ |
| Modern Particle Physics | Thomson | QC793.2 .T46 2013 |
| Phenomenology of Particle Physics | Rubbia | _____ |
| Particles and Nuclei | Povh et al. | QC776 .T4513 2015 |
| Dynamics of the Standard Model | Donoghue et al. | QC794.6 .S75 D66 2014 |
| Quarks & Leptons | Halzen, Martin | QC793.5 .Q2522 H34 1984 |
| Gauge Theory | Cheng, Li | QC793.3 .F5 C48 1984 |
| Gauge Theory (Problems & Solutions) | Cheng, Li | QC793.3 .F5 C495 2000 |
| The Standard Model and Beyond | Langacker | QC794.6 .S75 L364 2017 |
| The Standard Model | Cottingham, Greenwood | QC794.6 .S75 C68 1998 |
| The Standard Model in the Making | Bardin, Passarino | QC794.6 .S75 B37 1999 |
| Quantum Chromodynamics | Muta | QC793.3 .Q35 M88 1998 |
| Particle Kinematics | Byckling, Kajantie | QC794.6 .K5 B95 |
| Relativistic Particle Physics | Pilkuhn | QC793.2 .P54 |
| Weak Interactions | Georgi | QC794.8 .W4 G46 1984 |
| Quantum Electrodynamics | Kinoshita | QC680 .Q35 1990 |

Field Theory

| | | |
|-------------------------------------|-------------------|---------------------|
| QFT and the Standard Model | Schwartz | _____ |
| Quantum Field Theory | Brown | QC174.45 .B79 1992 |
| Quantum Field Theory | Itzykson, Zuber | QC174.45 .I77 |
| Quantum Field Theory | Peskin, Schroeder | QC174.45 .P465 2018 |
| Quantum Field Theory | Sterman | QC174.45 .S78 1993 |
| Particles and Quantum Fields | Kleinert | QC174.45 .K55 2016 |
| Quantum Theory of Fields vol. I, II | Weinberg | QC174.45 .W45 1995 |

Symmetry

| | | |
|---|--------------|------------------------|
| Symmetries and Group Theory in Particle Physics | Costa, Fogli | QC793.2 .C67 2012 |
| Lie Algebras in Particle Physics | Georgi | QC793.3 .M36 G45 1999 |
| Group Theory for the Standard Model | Barnes | QC174.17 .G7 .B37 2010 |