

# WEAK INTERACTIONS AND MODERN PARTICLE THEORY

REVISED AND UPDATED

HOWARD GEORGI

A high-level, rigorous, and technical treatment of modern particle physics, this book was written by a well-known professor at Harvard University who conducts ongoing research programs in several areas of theoretical particle physics.

Introductory chapters examine Noether's theorem, the electron, and SU (3) quark models. Subsequent chapters explore weak decays of light hadrons, effective low-momentum field theories, the transformation law for baryons, mode counting, effective field theories, and the renormalization group. Two helpful indexes review dimensional regularization and background field gauge. In addition to its value as a text for advanced undergraduate and graduate students of physics, this volume also serves as a reference for professionals.

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# Contents

1.1	Noether's Theorem – Classical	2
1.2	Examples	4
1a.1	Local Quantum Field Theory	11
1a.2	Composite Operators	18
1b.1	Noether's Theorem – Field Theory	20
1b.2	Gauge Theories	23
1b.3	Global Symmetries of Gauge Theories	25
2.1	The electron	28
2.2	$SU(2) \times U(1)$	28
2.3	Renormalizability? An Interlude	31
2.4	Spontaneous Symmetry Breakdown	33
2.5	The Goldstone Theorem	34
2.6	The $\sigma$ -Model	36
2.7	The Higgs Mechanism	39
2.8	Neutral Currents	43
2.9	$e^+e^- \rightarrow \mu^+\mu^-$	44
3.1	Color $SU(3)$	48
3.2	A Toy Model	50
3.3	Quark Doublets	53
3.4	GIM and Charm	54
3.5	The Standard Six–Quark Model	55
3.6	$CP$ Violation	59
4.1	Weak Decays of Light Hadrons	62
4.2	Isospin and the Determination of $V_{ud}$	62
4.3	$f_\pi$	65
4.4	Strangeness Changing Currents	66
4.5	$PT$ Invariance	67
4.6	Second Class Currents	68
4.7	The Goldberger-Treiman Relation	69
4.8	$SU(3) - D$ and $F$	70
5.1	$SU(3) \times SU(3) \rightarrow SU(3)$	74
5.2	Effective Low-Momentum Field Theories	74
5.3	Sources	77
5.4	Symmetry breaking and light quark masses	78
5.5	What Happened to the Axial $U(1)$ ?	80
5.6	Light Quark Mass Ratios	81
5.7	The Chiral Currents	82
5.8	Semileptonic $K$ Decays	83

5.9	The Chiral Symmetry-Breaking Scale . . . . .	85
5.10	Important Loop Effects . . . . .	87
5.11	Nonleptonic $K$ Decay . . . . .	88
6.1	How Do the Baryons Transform? . . . . .	91
6.2	A More Elegant Transformation Law . . . . .	92
6.3	Nonlinear Chiral Quarks . . . . .	94
6.4	Successes of the Nonrelativistic Quark Model . . . . .	96
6.5	Hyperon Nonleptonic Decays . . . . .	98
6a.1	Electromagnetic Interactions and $\pi^0 \rightarrow 2\gamma$ . . . . .	103
6a.2	The Steinberger Calculation . . . . .	108
6a.3	Spectators, gauge invariance and the anomaly . . . . .	109
7.1	Mode Counting . . . . .	121
7.2	Heavy Quark Decay . . . . .	123
7.3	Deep Inelastic Lepton-Hadron Scattering . . . . .	125
7.4	Neutrino-Hadron Scattering . . . . .	128
7.5	Neutral Currents . . . . .	130
7.6	The SLAC Experiment . . . . .	131
8.1	Choosing a Gauge . . . . .	132
8.2	Effective Field Theories . . . . .	136
8.3	The Symmetries of Strong and Electroweak Interactions . . . . .	138
8.4	The $\rho$ Parameter . . . . .	139
8.5	$M_W$ and $M_Z$ . . . . .	140
8.6	Neutrino-hadron scattering . . . . .	144
8.7	Technicolor . . . . .	145
9.1	Why We Can't Calculate . . . . .	148
9.2	The Renormalization Group . . . . .	149
9.3	Charm Decays . . . . .	152
9.4	Penguins and the $\Delta I = \frac{1}{2}$ Rule . . . . .	154
10.1	$K^0 - \bar{K}^0$ Mixing . . . . .	159
10.2	The Box Diagram and the QCD Corrections) . . . . .	161
10.3	The Gilman-Wise $\Delta S = 2$ Hamiltonian . . . . .	164
10.4	$CP$ Violation and the Parameter $\epsilon$ . . . . .	166
10.5	$K_L \rightarrow \pi\pi$ and the Parameter $\epsilon'$ . . . . .	169
<b>A</b>	<b>Review of Dimensional Regularization</b>	<b>173</b>
A.1	$n$ Dimensional Integration . . . . .	173
A.2	Regularization . . . . .	175
<b>B</b>	<b>Background Field Gauge</b>	<b>177</b>
B.1	The $\beta$ function . . . . .	182