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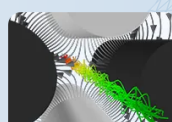
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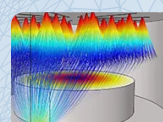
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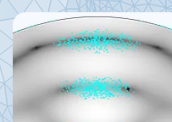
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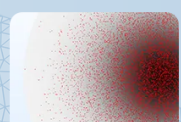
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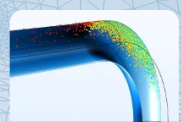
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Review of Particle Physics

K Nakamura *et al* (Particle Data Group)

Online at stacks.iop.org/JPhysG/37/075021

Abstract

This biennial *Review* summarizes much of particle physics. Using data from previous editions, plus 2158 new measurements from 551 papers, we list, evaluate, and average measured properties of gauge bosons, leptons, quarks, mesons, and baryons. We also summarize searches for hypothetical particles such as Higgs bosons, heavy neutrinos, and supersymmetric particles. All the particle properties and search limits are listed in Summary Tables. We also give numerous tables, figures, formulae, and reviews of topics such as the Standard Model, particle detectors, probability, and statistics. Among the 108 reviews are many that are new or heavily revised including those on neutrino mass, mixing, and oscillations, QCD, top quark, CKM quark-mixing matrix, V_{ud} & V_{us} , V_{cb} & V_{ub} , fragmentation functions, particle detectors for accelerator and non-accelerator physics, magnetic monopoles, cosmological parameters, and big bang cosmology.

A booklet is available containing the Summary Tables and abbreviated versions of some of the other sections of this full *Review*. All tables, listings, and reviews (and errata) are also available on the Particle Data Group website: pdg.lbl.gov.

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Abstract, Contributors, Highlights and Table of Contents

[PDF \(482 KB\)](#)

Introduction

Particle Physics Summary Tables

[PDF \(189 KB\)](#)

Gauge and Higgs Bosons

[PDF \(171 KB\)](#)

Leptons

[PDF \(102 KB\)](#)

Quarks

[PDF \(893 KB\)](#)

Mesons

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Baryons

[PDF \(112 KB\)](#)

Searches (Supersymmetry, Compositeness, etc)

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Tests of Conservation Laws

	Reviews, Tables and Plots
PDF (55 KB)	Detailed contents for this section
PDF (396 KB)	Constants, Units, Atomic and Nuclear Properties
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PDF (1.71 MB)	Astrophysics and Cosmology
PDF (4.04 MB)	Experimental Methods and Colliders
PDF (711 KB)	Mathematical Tools or Statistics, Monte Carlo, Group Theory
PDF (957 KB)	Kinematics, Cross-Section Formulae, and Plots
	Particle Listings
PDF (297 KB)	Introduction: Illustrative Key and Abbreviations
PDF (2.31 MB)	Gauge and Higgs Bosons
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PDF (948 KB)	Quarks
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PDF (9.46 MB)	Mesons: Other
PDF (5.72 MB)	Baryons
PDF (5.41 MB)	Miscellaneous Searches
PDF (194 KB)	Index
PDF (4.24 MB)	Color Figures