HIGHLIGHTS *of the 1994 REVIEW OF PARTICLE PROPERTIES*

2300 new measurements from **700** papers, in addition to the previous 12,000 measurements from 3500 papers.

- **Extensively Revised and Updated Sections include:**

Z boson	(complete fit to Z-boson data from LEP, SLC, *etc.*)
B mesons	(account for updated D meson branching ratios)
B_s meson	(new B_s–$\overline{B}_s$ mixing section)
D mesons	(change of method used to normalize branching ratios)
D_s meson	(improved absolute branching fractions)
τ lepton	(new basis modes, new description of fitting procedure)
K_L meson	(new CP-violation parameters (ϕ_{+-}, ϵ'/ϵ) and $m_{K^0_L} - m_{K^0_S}$)

- New particles in Summary Tables: B_s, $\Lambda_c(2625)^+$ and graviton.
- Substantial increase in number of decay modes for: Z (64%), $D^\pm$ and D^0 (24%), Λ_c (50%), $B^\pm$ and B^0 (43%). The D and B mesons each have 290 decay modes (including limits).
- Significant changes in $\pi^\pm$, π^0, $K^\pm$, and τ masses and ν_μ mass limits.
- Substantial new data on searches for Higgs, Z', supersymmetry, compositeness.
- Extensive coverage of Quarks.

- **New Reviews include:**

(In the booklet version of RPP, many reviews are abridged or absent.)

CP Violation
Constraints on New Physics from Electroweak Analyses
Semileptonic Decays of D and B Mesons
B^0–$\overline{B}^0$ Mixing and CP Violation in B Decay
Neutrino Oscillation Experiments

- **Revised and Updated Reviews include:**

Standard Model	Collider Parameters
QCD	Tests of Conservation Laws
CKM Matrix	Astrophysical Constants
Supersymmetry	Passage of Particles through Matter
Probability	Plots of Cross Sections
Statistics	Atomic and Nuclear Properties of Matter

- An **interactive database** of the Full Listings may be accessed via Internet, Decnet, and the **World-Wide Web** (http://www-pdg.lbl.gov/). Also, a complete image of the *Review* is available on WWW. See p. 1188 in the *Review* or p. 228 in the *Booklet* for instructions.

Please turn over for ERRATA