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From Quarks to Neutrinos, Adventures in Particle Physics

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I have been fortunate to participate in the evolution of particle physics in Canada for a large fraction of its history. I will discuss developments from 1972 to its current lively state, illustrating with a few examples from the experiments on which I have collaborated. With the recent discovery of the Higgs boson the Standard Model is now complete, but is known to be an incomplete description of nature. The questions before us have never been more interesting, and the increasingly complex experiments in subatomic physics and cosmology should soon yield exciting new discoveries about the universe.

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Session Classification: W-MEDAL2 CAP Medal Talk - John F. Martin, IPP / U. Toronto (Achievement Medal Recipient / Récipiendaire de la médaille pour contributions exceptionnelles)