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Altri autori (Persone)	FritzschnH PhuaK. K BaaquieB. E Gell-MannMurray
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Nota di contenuto	PREFACE; CONTENTS; MURRAY GELL-MANN A SCIENTIFIC BIOGRAPHY; MEMORIES OF MURRAY AND THE QUARK MODEL; SOME PROBLEMS IN COLD ATOM RESEARCH*; MURRAY AND THE OMEGA MINUS; FROM O-TO Ob; EARLY HISTORY OF QCD AND QUARKS; UNDERSTANDING CONFINEMENT IN QCD :ELEMENTS OF A BIG PICTURE; QCD MASS AND GAUGE IN A FIELD THEORY. QCD GLUE MESONS; THE QCD COUPLING AND PARTON DISTRIBUTIONS AT HIGH PRECISION; WHAT WE KNOW AND DON'T KNOW ABOUT THE ORIGIN OF THE SPIN OF THE PROTON; DETERMINATION OF LIGHT QUARK MASSES IN QCD; THE ELUSIVE HIGGS BOSON(S); PROSPECTS FOR NEW PHYSICS AT THE LHC* MURRAY GELL-MANN AND THE LAST FRONTIER OF LHC PHYSICS: THE QGCW PROJECTSOME LESSONS FROM SIXTY YEARS OF THEORIZING; NEW

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NUCLEON POLARIZED STRUCTURE FUNCTION

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Sommario/riassunto

The Conference on Quantum Mechanics, Elementary Particles, Quantum Cosmology and Complexity was held in honour of Professor Murray Gell-Mann's 80th birthday in Singapore on 24-26 February 2010. The conference paid tribute to Professor Gell-Mann's great achievements in the elementary particle physics. This notable birthday volume contains the presentations made at the conference by many eminent scientists, including Nobel laureates C N Yang, G 't Hooft and K Wilson. Other invited speakers include G Zweig, N Samios, M Karliner, G Karl, M Shifman, J Ellis, S Adler and A Zichichi.

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