1. Record Nr. UNISA996466702803316 Autore Plehn Tilman Titolo Lectures on LHC Physics [[electronic resource] /] / by Tilman Plehn Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, 2012 3-642-24040-2 **ISBN** Edizione [1st ed. 2012.] Descrizione fisica 1 online resource (XII, 195 p. 21 illus.) Collana Lecture Notes in Physics, , 0075-8450 ; ; 844 Disciplina 539.736 Soggetti Elementary particles (Physics) Quantum field theory String theory Nuclear physics Heavy ions Elementary Particles, Quantum Field Theory Quantum Field Theories, String Theory Nuclear Physics, Heavy Ions, Hadrons Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Higgs Physics -- QCD -- LHC Phenomenology -- Index. When trying to apply the solid knowledge of quantum field theory to Sommario/riassunto actual LHC physics - in particular to the Higgs sector and certain regimes of QCD - one inevitably meets an intricate maze of phenomenological know-how, common lores and other, often historically grown intuition about what works and what not. These lectures are intended to be a brief but sufficiently detailed primer on

research.

LHC physics that will enable graduate students and any newcomer to the field to find their way through the more advanced literature as well as helping them to start work in this very timely and exciting field of