

1.	Record Nr.	UNISALENTO991004211629707536
	Autore	Lawrence, David Herbert <1885-1930>
	Titolo	Lawrence on Hardy and painting : study of Thomas Hardy : & introduction to these paintings / edited with an introduction by J. V. Davies
	Pubbl/distr/stampa	London : Heinemann educational books, 1973
	Descrizione fisica	168 p. ; 22 cm
	Disciplina	821.8
	Soggetti	Hardy, Thomas Hardy, Thomas
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910132153503321
	Autore	Plehn Tilman
	Titolo	Lectures on LHC Physics / / by Tilman Plehn
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
	ISBN	3-319-05942-4
	Edizione	[2nd ed. 2015.]
	Descrizione fisica	1 online resource (XIII, 327 p. 62 illus., 20 illus. in color.)
	Collana	Lecture Notes in Physics, , 0075-8450 ; ; 886
	Disciplina	539.736
	Soggetti	Particles (Nuclear physics) Quantum field theory Mathematical physics Elementary Particles, Quantum Field Theory Theoretical, Mathematical and Computational Physics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Includes Index.

With the discovery of the Higgs boson, the LHC experiments have closed the most important gap in our understanding of fundamental interactions, confirming that such interactions between elementary particles can be described by quantum field theory, more specifically by a renormalizable gauge theory. This theory is a priori valid for arbitrarily high energy scales and does not require an ultraviolet completion. Yet, when trying to apply the concrete knowledge of quantum field theory to actual LHC physics - in particular to the Higgs sector and certain regimes of QCD - one inevitably encounters an intricate maze of phenomenological know-how, common lore and other, often historically developed intuitions about what works and what doesn't. These lectures cover three aspects to help understand LHC results in the Higgs sector and in searches for physics beyond the Standard Model: they discuss the many facets of Higgs physics, which is at the core of this significantly expanded second edition; then QCD, to the degree relevant for LHC measurements; as well as further standard phenomenological background knowledge. They are intended to serve as a brief but sufficiently detailed primer on LHC physics to enable graduate students and all newcomers to the field to find their way through the more advanced literature, and to help those starting to work in this very timely and exciting field of research. Advanced readers will benefit from this course-based text for their own lectures and seminars.
