1. Record Nr. UNICAMPANIAVAN0255855

Titolo	Plasmonics: Theory and Applications / edited by Tigran V. Shahbazyan, Mark I. Stockman
Pubbl/distr/stampa	Dordrecht, : Springer, 2013
Descrizione fisica	XV, 577 p. : ill. ; 24 cm
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9911049201803321

Autore	Pascal Timothée
Titolo	Beyond the Standard Model at the Large Hadron Collider: From Simplified Model Constraints to Artificial Proto-Modelling for Dispersed Signals / / by Timothée Pascal
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026
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Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (352 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5061
Disciplina	530.14
Soggetti	Particles (Nuclear physics) Quantum field theory Mathematical physics Particle accelerators Elementary Particles, Quantum Field Theory Mathematical Methods in Physics Accelerator Physics
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Livello bibliografico	Monografia
Nota di contenuto	Introduction: Going beyond the Standard Model of particle physics --

	Searching for SUSY at the Large Hadron Collider -- Reinterpreting LHC results: the SModelS approach -- Constraining the EW-ino sector of the MSSM through a global likelihood -- Characterising LHC dispersed signals -- Conclusions and outlooks.
Sommario/riassunto	The thesis is an outstanding contribution to the field of LHC result reinterpretation, combining clarity, technical innovation, and novel phenomenological insights. Through a detailed study of electroweakino searches, the author demonstrated how existing ATLAS and CMS analyses could be leveraged to refine constraints on theoretical models and data-driven model building methods. The research significantly advanced the SModelS framework, particularly in the conception of methods dedicated to a coherent combination of LHC analyses and the development of proto-modelling tools to systematically link model building with experimental anomalies. These contributions highlight the rare expertise in statistical methods and programming within theoretical physics. The author's accomplishments, including four research articles and two major conference presentations, have established his work as an important reference for new physics studies.