

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Record Nr.           | UNINA9910735798803321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Titolo                  | 8th Workshop on Theory, Phenomenology and Experiments in Flavour Physics : Neutrinos, Flavor Physics and Beyond (FP@Capri2022) / / edited by Giulia Ricciardi, Guglielmo De Nardo, Mario Merola                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Pubbl/distr/stampa      | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ISBN                    | 3-031-30459-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Edizione                | [1st ed. 2023.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Descrizione fisica      | 1 online resource (178 pages)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Collana                 | Springer Proceedings in Physics, , 1867-4941 ; ; 292                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Disciplina              | 610<br>539.7215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Soggetti                | Particles (Nuclear physics)<br>Mathematical physics<br>Physics<br>Particle Physics<br>Theoretical, Mathematical and Computational Physics<br>Applied and Technical Physics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nota di bibliografia    | Includes bibliographical references.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Nota di contenuto       | Recent Results from Belle and Belle II -- Neutral current B-decay anomalies -- Light meson spectroscopy and gluonium searches in eta_c and Upsilon(1S) decays at BaBar -- Global neutrino data analyses -- A new era of collider neutrinos: the SND@LHC experiment -- Seeking New Physics at Neutrino Oscillation Experiments -- Theory of Inclusive B decays -- Heavy neutral leptons in effective field theory and the high-luminosity LHC -- Neutrinos: A theory outlook from high to low energies -- Flavor structure of quark and lepton in modular symmetry -- Status and overview of neutrino physics with neutrino telescopes -- Neutrino oscillations in T2K and prospects of Hyper-Kamiokande experiment -- Constraining extended scalar sectors at current and future colliders -- Detecting light physics at LHC. |
| Sommario/riassunto      | This book is a collection of invited contributions presented at the 8th edition of the International Workshop on Theory, Phenomenology and Experiments in Flavour Physics, held on the Island of Capri, Italy, on                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

11–13 June 2022. It is a joint workshop between experimentalists and theoreticians aiming at debating recent results and hot topics in flavour physics, in an interdisciplinary effort. Flavour, electroweak physics and neutrino physics are all foremost in the assessment of results within the standard model and search for physics beyond. Anomalies in flavour physics are hints on new physics, while with neutrino masses and oscillations the new physics has already started. Contributions deal mainly with the flavour anomalies, the flavour problem from leptons to quarks and back, including continuous versus discrete symmetries, and the connections between the Higgs sector and neutrinos, embracing see-saw models and Higgs potential analyses. Focus is on neutrinos, at high and low scales, including LHC searches and CLVF, leptogenesis, connections with dark sectors and NP mediators, non-standard neutrino interactions and the problem of the nature of massive neutrinos.

---