

1. Record Nr.	UNISA996418432903316
Autore	Resseguie Elodie
Titolo	Electroweak physics at the large hadron collider with the atlas detector : standard model measurement, supersymmetry searches, excesses, and upgrade electronics // Elodie Resseguie
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] Â©2020
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Descrizione fisica	1 online resource (XXIII, 322 p. 227 illus., 212 illus. in color.)
Collana	Springer theses
Disciplina	539.721
Soggetti	Particles (Nuclear physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Doctoral Thesis accepted by University of Pennsylvania, Philadelphia, USA"--Title page.
Nota di contenuto	Introduction -- Theoretical Framework -- LHC and the ATLAS Detector -- HL-LHC Inner Detector Upgrade -- $W\pm Z$ Cross-Section Measurement at $\sqrt{s} = 13$ TeV -- Searches for Electroweak SUSY: Motivation and Models -- Search for wino-bino production decaying via WZ at $\sqrt{s} = 13$ TeV.
Sommario/riassunto	This thesis discusses searches for electroweakly produced supersymmetric partners of the gauge and the Higgs bosons (gauginos and higgsinos) decaying to multiple leptons, using pp collisions at $\sqrt{s} = 13$ TeV. The thesis presents an in-depth study of multiple searches, as well as the first 13 TeV cross section measurement for the dominant background in these searches, WZ production. Two searches were performed using 36.1/fb of data: the gaugino search, which makes use of a novel kinematic variable, and the higgsino search, which produced the first higgsino limits at the LHC. A search using 139/fb of data makes use of a new technique developed in this thesis to cross check an excess of data above the background expectation in a search using a Recursive Jigsaw Reconstruction technique. None of the searches showed a significant excess of data, and limits were expanded with respect to previous results. These searches will benefit from the addition of luminosity during HL-LHC; however, the current detector will not be able to withstand the increase in radiation.

Electronics for the detector upgrade are tested and irradiated to ensure their performance.

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| 2. | Record Nr.              | UNINA9910690855603321   |
|    | Titolo                  | Water quality : key EPA and state decisions limited by inconsistent and incomplete data : report to the chairman, Subcommittee on Water Resources and Environment, Committee on Transportation and Infrastructure, House of Representatives |
|    | Pubbl/distr/stampa      | Washington, D.C. (P.O. Box 37050, Washington, D.C. 20013)   |
|    | Lingua di pubblicazione | Inglese   |
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| 3. | Record Nr.              | UNIORUON00303939  |
|    | Autore                  | LENAU, Nikolaus   |
|    | Titolo                  | Faust : poema / Nicolaus Lenau ; riduzione dal tedesco in versi italiani e introduzione storico-critica di Vincenzo Errante |
|    | Pubbl/distr/stampa      | Lanciano, : Carabba, [1920]   |
|    | Descrizione fisica      | 190 p. ; 17 cm.   |
|    | Disciplina              | 831   |
|    | Lingua di pubblicazione | Italiano  |
|    | Formato                 | Materiale a stampa  |
|    | Livello bibliografico   | Monografia  |