

1. Record Nr.	UNISA996418432903316
Autore	Ressegueie Elodie
Titolo	Electroweak physics at the large hadron collider with the atlas detector : standard model measurement, supersymmetry searches, excesses, and upgrade electronics // Elodie Ressegueie
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] Â©2020
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Edizione	[1st ed. 2020.]
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 $ps = 13$ TeV -- Searches for Electroweak SUSY: Motivation and Models -- Search for wino-bino production decaying via WZ at $ps = 13$ 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.

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
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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
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