1. Record Nr. UNINA9910458517903321

Autore	Schwartz Marco
Titolo	Arduino home automation projects : automate your home using the powerful Arduino platform / / Marco Schwartz
Pubbl/distr/stampa	Birmingham, England : , : Packt Publishing, , 2014 ©2014
ISBN	1-78398-607-7
Descrizione fisica	1 online resource (133 p.)
Collana	Community Experience Distilled
Disciplina	005.258
Soggetti	Arduino (Programmable controller) Application software - Development Programmable controllers Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Preface; Building Wireless XBee Motion Detectors; Hardware and software requirements; Hardware configuration; Interfacing the PIR sensor with Arduino; Programming an XBee motion detector; Building a graphical interface for your XBee motion detectors; Summary; Control Lights from Your Phone or Tablet; Hardware and software requirements; Hardware configuration; Test the relays and Wi-Fi connection; Building a graphical interface to control the relays; Testing the graphical interface; Summary; Measuring the Temperature Using Bluetooth; Hardware and software requirements; Hardware configuration Creating the Arduino sketchTesting the temperature and humidity sensor; Measure the temperature and humidity remotely; Summary; Weather Station in the Cloud with Xively; Hardware and software requirements; Connecting the different components; Testing the sensors; Setting up your Xively account; Building the Arduino sketch; Log in and display data on Xively; Summary; Monitor Your Energy Consumption in the Cloud; Hardware and software requirements; Making hardware connections; Testing the project; Configuring your Xively account; Sending power consumption data to Xively; Summary

	Hack a Commercial Home Automation DeviceHardware and software requirements; Hardware configuration; Controlling the device from your computer; Building a graphical interface; Summary; Build Your Own Home Automation System; Hardware and software requirements; Building an Arduino system from scratch; Testing the Arduino system; Designing a PCB for your home automation system; Fabricating the board; Designing and 3D printing a case for your home automation project; Summary; Index
Sommario/riassunto	This book is divided into projects that are explained in a step-by-step format, with practical instructions that are easy to follow. If you want to build your own home automation systems wirelessly using the Arduino platform, this is the book for you. You will need to have some basic experience in Arduino and general programming languages, such as C and C++ to understand the projects in this book.

2.

Record Nr.	UNINA9910456959503321
Titolo	Rare isotopes and fundamental symmetries [[electronic resource]] : proceedings of the Fourth Argonne/INT/MSU/JINA FRIB Theory Workshop, Institute for Nuclear Theory, University of Washington, USA, 19-22 September 2007 / / editors, B. Alex Brown ... [et al.]
Pubbl/distr/stampa	New Jersey, : World Scientific, c2009
ISBN	1-282-44246-5 9786612442469 981-4271-73-X
Descrizione fisica	1 online resource (219 p.)
Collana	Proceedings from the Institute for Nuclear Theory ; ; vol. 16
Altri autori (Persone)	BrownB. A (Boyd A.)
Disciplina	539.7
Soggetti	Radioactive nuclear beams Symmetry (Physics) Isotopes Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.

Nota di contenuto

Series Preface; Preface; ORGANIZING COMMITTEE; CONTENTS; Experiments Searching for New Interactions in Nuclear Beta Decay Klaus P. Jungmann; The Beta-Neutrino Correlation in Sodium-21 and Other Nuclei P.A. Vetter, J. Abo-Shaeer, S.J. Freedman, R. Maruyama; Nuclear Structure and Fundamental Symmetries E. Alex Erown; Schiff Moments and Nuclear Structure J. Engel; Superallowed Nuclear Beta Decay: Recent Results and Their Impact on Vud J.C. Hardy and I.S. Towner; New Calculation of the Isospin-Symmetry Breaking Correlation to Superallowed Fermi Beta Decay I.S. Towner and J.C. Hardy
Precise Measurement of the 3H to 3He Mass Difference D.E. Pinegar, et al.Limits on Scalar Currents from the 0+ to 0+ Decay of 32 Ar and Isospin Breaking in 33Cl and 32Cl A. Garcia; Nuclear Constraints on the Weak Nucleon-Nucleon Interaction W.C. Haxton; Atomic PNC Theory: Current Status and Future Prospects M.S. Safronova; Parity-Violating Nucleon-Nucleon Interactions: What Can We Learn from Nuclear Anapole Moments? B. Desplanques; Proposed Experiment for the Measurement of the Anapole Moment In Francium A. Perez Galvan, D. Sheng, L.A. Orozco, and the FRPNC Collaboration
The Radon-EDM Experiment Tim Chupp for the Radon-EDM collaboration The Lead Radius Experiment (PREX) and Parity Violating Measurements of Neutron Densities C. l. Horowitz; Nuclear Structure Aspects of Schiff Moment and Search for Collective Enhancements Naftali Auerbach and Vladimir Zelevinsky; The Interpretation of Atomic Electric Dipole Moments: Schiff Theorem and its Corrections C.-P. Liu; T-Violation and the Search for a Permanent Electric Dipole Moment of the Mercury Atom M.D. Swallows, W. C. Griffith, T.H. Loftus, M. V. Romalis, B.R. Heckel, and E.N. Fortson
The New Concept for FRIB and its Potential for Fundamental Interactions Studies Guy Savard Collinear Laser Spectroscopy and Polarized Exotic Nuclei at NSCL K. Minamisono, G. Bollen, P.F. Mantica, D.l. Morrissey and S. Schwartz; Environmental Dependence of Masses and Coupling Constants M. Pospelov; Workshop Program

Sommario/riassunto

This book presents contributions from the Workshop on Rare Isotopes and Fundamental Symmetries, which was held on September 19-22, 2007, at the Institute for Nuclear Theory at the University of Washington. The book is the fourth in a series dedicated to exploring the science important to the proposed Facility for Rare Isotope Beams (FRIB). The topics covered by the contributions include Fermi beta decay, electron-neutrino correlations in nuclear beta decay: precision mass measurements, atomic parity violation, electric dipole moments, and hadronic parity violation and anapole moments. These to