



New Trends in High-Energy Physics

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Budva, Becici, "Splendid Hotel"

Book of abstracts

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Dark Matter particles in the galactic halo

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ICARUS experiment - status and perspectives

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The increase of the light collection from scintillation strip with hole for WLS fiber using various types of fillers.

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Direct search of keV sterile neutrino in tritium beta decay by “Troitsk nu-mass” experiment

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High Technology Application to Modernization of International Electron-Positron Linear Collider (ILC)

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Search for new exotic phenomena with the ATLAS detector at the LHC

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Review of Higgs Results from the CMS experiment

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Diffraction dissociation of relativistic nuclei in nuclear track emulsion

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PEN and Nab: new precision tests of lepton and quark-lepton universality

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Particle tracking in the PEN experiment.

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A Very Intense Neutrino Super Beam Experiment for Leptonic CP Violation Discovery based on the European Spallation Source Linac

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Heavy quark distributions in nucleon: collider tests

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Particles evolution in the early Universe

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Manifestation of the unstable nuclei in relativistic dissociation of the ^{10}B and ^{11}C nuclei

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Neutrino in the Standard Model and beyond

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Elementary Particles, dark matter candidate and new extended standard model

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A new measurement of the anomalous magnetic moment of muon at Fermilab

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Rare decays of heavy mesons in covariant confined quark model.

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Proton charge radius and its consistency with the experiments

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Reduction of total precise error of muon $g-2$ anomaly and QED $\alpha(M^2_Z)$ by $Unitary\&Analytic$ model description of pseudoscalar meson nonet EM structure

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New type straws: properties and quality

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Prediction of Λ -hyperon magnetic FF and ratio $|G_E^\Lambda/G_M^\Lambda|$ /in time-like region

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Numerical values of f^F , f^D , f^S coupling constants in SU(3) invariant interaction Lagrangian of vector-meson nonet with $1/2^+$ octet baryons.

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Two-particle Bose--Einstein correlations in pp collisions at 0.9 and 7 TeV measured with the ATLAS detector

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The CLIC physics potential

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Heavy quark physics and XYZ states in covariant quark model

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Searches for lepton number violation and resonances in the $K^{+-} \rightarrow \pi \mu \mu$ decays at the NA48/2 experiment

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PHENIX results on leading particles and jets measured in Cu+Au collisions at RHIC

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New phase space calculations for β^+ and EC decay modes

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The recent results from Super-K

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Solar-blind photodetectors with AlGaN photocathodes for light registration in UVC range

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The Mu2e experiment at Fermilab

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Elastic and inelastic diffraction at the LHC

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Polarized Drell-Yan measurement at COMPASS

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How to differentiate function based on integration operation

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Using the cathode surface of straw tube for measuring the track coordinate along the wire and increasing rate capability.

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DANSS Reactor Antineutrino Project:: Status and Proof of Principle

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In search of $\mu \rightarrow e\gamma$: Final result of the MEG experiment

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Quantum Field Theory Methods in Classical Physics

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Recent results from PHENIX experiment at RHIC

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Shear, turbulence and its observable consequences in heavy ion reactions

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Longitudinal vector form factor in the pion β decay

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Axions as Dark Matter

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Neutrinoless Double-Beta Decay with Emission of Single Electron

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Diffraction at HERA

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Search for supersymmetry: the present status

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ALICE results in pp, pA and AA collisions at the LHC

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The Gravitational Wave Observatory and Its First Discoveries

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Latest Results from the Daya Bay Reactor Neutrino Experiment

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Left-left squark mixing in the $K^+ \rightarrow \pi^+ \bar{\nu} \nu$ decay

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Bose-Einstein Correlation and Colour Reconnection in Particle Physics

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Search for New Physics with CMS

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Deep Underground Neutrino Experiment: Status and Prospects

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High energy behaviour of maximally supersymmetric gauge theories

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He3-He4 Dilution Refrigerators, Results, Traditions, 50 Years Anniversary

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