

SANGHWA PARK

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Mississippi State University, Mississippi State, MS 39762
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EDUCATION

Seoul National University, Ph.D., Physics 2010-2015
Chungnam National University, B.Sc., Physics 2006-2010

RESEARCH POSITIONS

Assistant Professor, Mississippi State University, USA 2021-Present
Postdoctoral Researcher, Stony Brook University, USA 2016-2021
Postdoctoral Fellow, RIKEN, Japan 2015-2016
International Program Associate, RIKEN, Japan 2012-2015
Internship, RIKEN, Japan 2011-2012

FELLOWSHIP & AWARDS

Jefferson Lab Science Associates (JSA) Travel Award, 2018
Foreign Postdoctoral Researcher Fellowship, RIKEN, 2015
International Program Associate Fellowship, RIKEN, 2012-2015
Highlighting Young PHENIXian, the PHENIX Collaboration, 2013
Best Oral Presentation Award, Korean Physical Society Meeting, 2012
Scholarship, Seoul National University, 2011
Scholarship, Chungnam National University, 2006-2010

TEACHING EXPERIENCE

Teacher's certificate in science (South Korea)
Computational Physics (PH4433/PH6433), Mississippi State University (Fall 2021)
Physics lab, Undergraduate course, Seoul National University (Summer 2012)
Teaching assistant, Undergraduate course General Physics, Seoul National University (Spring 2010, Fall 2010, Spring 2011, Fall 2011)
Teaching assistant, Institute of Science Education for the Gifted, Chungnam National University (2008-2009)
Teaching mathematics and science, After-school program for middle school students funded by Daejeon Metropolitan Office of Education (2007-2008)

PROFESSIONAL SERVICES & OUTREACH

Conference & Workshop Organization

- Seminar Organizer, Center for Frontiers in Nuclear Science (CFNS), 2020-Present
- Organizing committee, CFNS Summer School on the Physics of the Electron Ion Collider
- Scientific Coordinator, International Workshop on Deep-Inelastic Scattering and Related Subjects (DIS2021)
- Convener (Spin Physics Working Group), DIS2021
- Convener (Spin Physics Working Group), DIS2020
- Session chair (Electroweak and BSM physics with electron scattering), APS Division of Nuclear Physics Meeting 2020
- Co-organizer, Cold QCD Workshop, RHIC & AGS Annual Meeting 2020
- Session chair (Nucleon Structure at Colliders), APS Division of Nuclear Physics Meeting 2019
- Co-organizer, PHENIX School 2018-2019
- Session chair (Hadron Spectroscopy with Electron, Photon, and Hadron Beams), APS Division of Nuclear Physics Meeting 2018
- Convener (Spin and 3D Structure Working Group) DIS2018
- Organizer, Japan PHENIX Spin Group Collaboration Meeting (2014)

RESEARCH COMMUNITY SERVICES & LEADERSHIP

- Co-spokesperson, Run Group E12-11-108B/E12-10-006D, SoLID Collaboration
- Co-convener of PHENIX Spin Physics Working Group, 2016-Present
- Member, PHENIX Executive Council, 2017-2019
- Lecturer, PHENIX School, 2017-2018
- PHENIX Internal Paper Review Committee, 2017-Present
- PHENIX Period Coordinator (2016)
- Jefferson Lab Run Coordinator:
Hall A: CREX (E12-12-004), PREX2 (E12-11-101), APEX (E12-10-009), MARATHON (E12-010-103), Hypernucleus (E12-17-003)
Hall C: Color Transparency (E12-06-107), F2 experiment (E12-10-002), Deuteron Electro-Disintegration (E12-10-003)

OTHER SERVICES/OUTREACH

- Member, EICUG Diversity & Inclusion Committee, 2020-Present
- Reviewer, RIKEN Accelerator Progress Report, 2019
- Volunteer, Jefferson Lab Open House, 2018
- Volunteer, RHIC Summer Sunday, 2018
- Poster award screening committee, RIKEN Summer School, 2015
- Volunteer, RIKEN Open House, 2015

- Teaching Assistance, Natsugaku, Japan (STEM summer school for girls in junior and senior high schools), 2014
- Volunteer, Physics Department Open House, Chungnam National University, 2008-2009
- Volunteer, Science day, National Science Museum, South Korea, 2008

PUBLICATIONS

Selected publications with significant contribution

- D. Adhikari *et al.* (PREX Collaboration) Accurate Determination of the Neutron Skin Thickness of ^{208}Pb through Parity-Violation in Electron Scattering, Phys. Rev. Lett. 126, 172502 (Cover article)
- U. Acharya *et al.* (PHENIX Collaboration), Transverse single-spin asymmetries of midrapidity π^0 and η mesons in polarized p+p collisions at $\sqrt{s} = 200$ GeV, Phys. Rev. D 103, 052009
- U. Acharya *et al.* (PHENIX Collaboration), Transverse momentum dependent forward neutron single spin asymmetries in transversely polarized p+p collisions at $\sqrt{s} = 200$ GeV, Phys. Rev. D 103, 032007
- U. Acharya *et al.* (PHENIX Collaboration), Measurement of charged pion double spin asymmetries at midrapidity in longitudinally polarized p+p collisions at $\sqrt{s} = 510$ GeV, Phys. Rev. D 102, 032001
- C. Aidala *et al.* (PHENIX Collaboration), Nuclear dependence of transverse single-spin asymmetry of charged hadrons at forward rapidity in polarized p+p, p+Al, and p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. Lett. 123, 122001
- A. Adare *et al.* (PHENIX Collaboration), Cross section and longitudinal single-spin asymmetry A_L for forward $W^\pm \rightarrow \mu^\pm \nu$ production in polarized p+p collisions at $\sqrt{s}=510$ GeV, Phys. Rev. D 98, 032007
- C. Aidala *et al.* (PHENIX Collaboration), Nuclear dependence of the transverse-single-spin asymmetry for forward neutron production in polarized $p + A$ collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. Lett. 120, 022001
- C. Aidala *et al.* (PHENIX Collaboration), Nonperturbative transverse-momentum-dependent effects in dihadron and direct photon-hadron angular correlations in p+p collisions at $\sqrt{s} = 200$ GeV, Phys. Rev. D 98, 072004
- A. Adare *et al.* (PHENIX Collaboration), Angular decay coefficients of J/ψ mesons at forward rapidity from p+p collisions at $\sqrt{s} = 510$ GeV, Phys.Rev. D95 092003
- A. Adare *et al.* (PHENIX Collaboration), Measurement of parity-violating spin asymmetries in W^\pm production at midrapidity in longitudinally polarized p+p collisions, Phys.Rev. D93, 051103
- S. Adachi *et al.*, Trigger electronics upgrade of PHENIX muon tracker, Nucl. Instr. Meth. A 703, 114-132
- S. Riordan *et al.*, Study of Light Backgrounds from Relativistic Electrons in Air Light-Guides, Nucl. Instrum. Meth. A896 96-102
- S. Park *et al.* CJ15 global PDF analysis with new electroweak data from the STAR and SeaQuest experiments, arXiv:2108.05786 [hep-ph]

TALKS

Seminars/Colloquia

Proton and its complex inner life, Colloquium, Mississippi State University, April 2021

New precision measurement of the neutral weak form factor of ^{208}Pb , Seminar, Center for Frontiers in Nuclear Science, December 2020

Leveraging spin to understand nature: from the inner life of proton to nuclear matter, Colloquium, University of California Riverside, March 2020

Nuclear structure from nucleon to nucleus: leveraging spin to understand nature, Seminar, Los Alamos National Lab, March 2019

Next Generation Parity-Violating Electron Scattering Experiments with ^{208}Pb and ^{48}Ca targets at JLab, HIT Seminar, Lawrence Berkeley National Lab, October 2018

Inside of the Proton: Studying the proton structure with spin observables, Colloquium, University of Manitoba, May 2018

Recent Results for Sea Quark Polarization Measurement at RHIC, Seminar, Tokyo Institute of Technology, 2014

Invited conference and workshop talks

RHIC Cold QCD program, RHIC Open Forum, DNP 2021, October 2021

PHENIX Highlights (plenary), RHIC/AGS Annual Users' Meeting, June 2021

Recent results on collinear parton distribution functions (plenary), Workshop of the APS Topical Group on Hadronic Physics, April 2021

Overview of nucleon spin structure, APS April Meeting, April 2021

Spin Physics at PHENIX, International Conference on New Frontiers in Physics (ICNFP2021), October 2020

High- x PDFs at Jefferson Lab, LPC Workshop on Physics Connections between the LHC and EIC, November 2019

Large- x structure functions (plenary), Electromagnetic Interactions with Nucleons and Nuclei (EINN2019), October 2019

Spin asymmetries of weak boson production in polarized proton collisions, Soffer Symposium, October 2019

RHIC Spin Program: Highlights of recent achievements and future prospects (plenary), RHIC&AGS Users Meeting, June 2017

PHENIX W Measurements in Polarized $p+p$ Collisions, International Spin Symposium (SPIN2016), September 2016

Contributed/Other talks

CJ15 global PDF analysis with new electroweak data, DIS2021, April 2021

SoLID Kaon SIDIS measurements with polarized targets, APS April Meeting, April 2021

Constraining unpolarized PDFs using RHIC data, Fall Meeting of the APS Division of Nuclear Physics (DNP2020), October 2020

F_2 structure function measurements at large x in Hall C at Jefferson Lab, Joint Meeting of the Nuclear Physics Divisions of the APS and the JPS (DNP2018), Hawaii, October 2018

Kaon SIDIS measurement with the SoLID, DNP2018, Hawaii, October, 2018

Measurement of W single spin asymmetries at PHENIX, SPIN2018, Ferrara, Italy, September, 2018

Lecture, *Introduction to Spin Physics*, PHENIX Summer School, BNL, August 2018

SoLID SIDIS Programs, Hall A/C Collaboration Meeting, Jefferson Lab, June 2018

PREX/CREX Update, Hall A/C Collaboration Meeting, Jefferson Lab, June 2017

W physics in PHENIX, Spin workshop, KEK, Japan, July 2015

Run12 Sea Quark Polarization Measurement, Japan-Korea PHENIX Collaboration Workshop, Sungkyunkwan University, Korea, November 2013

Sea Quark Polarization Measurement via W-Boson to Muon Decays at RHIC-PHENIX, KPS Meeting, Korea, October 2013

W Physics Result of PHENIX, DIS2013, Marseille, France, April 2013

Trigger Performance for Sea Quark Polarization Measurement via W-Boson Production at PHENIX, KPS Meeting, Korea, October 2012

Sea Quark Polarization Measurement via W-Boson Production at PHENIX(III) – Run12 W Trigger Performance and Fast Produced Data Analysis, JPS Meeting, Japan, September 2012

FULL PUBLICATION LIST

- D. Adhikari *et al.* (PREX Collaboration) Accurate Determination of the Neutron Skin Thickness of 208Pb through Parity-Violation in Electron Scattering, Phys. Rev. Lett. 126, 172502
- U. Acharya *et al.* (PHENIX Collaboration), Transverse single-spin asymmetries of midrapidity π^0 and η mesons in polarized p+p collisions at $\sqrt{s} = 200$ GeV, Phys. Rev. D 103, 052009
- U. Acharya *et al.* (PHENIX Collaboration), Transverse momentum dependent forward neutron single spin asymmetries in transversely polarized p+p collisions at $\sqrt{s} = 200$ GeV, Phys. Rev. D 103, 032007
- U. Acharya *et al.* (PHENIX Collaboration), Production of $b\bar{b}$ at forward rapidity in $p + p$ collisions at $\sqrt{s} = 510$ GeV, Phys. Rev. D 102, 092002
- U. Acharya *et al.* (PHENIX Collaboration), Production of π^0 and η mesons in U+U collisions at $\sqrt{s_{NN}} = 192$ GeV, Phys. Rev. C 102, 064905
- U. Acharya *et al.* (PHENIX Collaboration), J/ψ and $\psi(2S)$ production at forward rapidity in p+p collisions at $\sqrt{s}=510$ GeV, Phys. Rev. D 101, 052006
- U. Acharya *et al.* (PHENIX Collaboration), Measurement of J/ψ at forward and backward rapidity in p+p, p+Al, p+Au, and $^3\text{He}+\text{Au}$ collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 102, 014902
- C. Aidala *et al.* (PHENIX Collaboration), Nuclear-modification factor of charged hadrons at forward and backward rapidity in p+Al and p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 101, 034910
- C. Aidala *et al.* (PHENIX Collaboration), Measurement of charm and bottom production from semileptonic hadron decays in p+p collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. D 99, 092003
- U. Acharya *et al.* (PHENIX Collaboration), Polarization and cross section of midrapidity J/ψ production in proton-proton collisions at $\sqrt{s} = 510$ GeV, Phys. Rev. D 102, 072008
- U. Acharya *et al.* (PHENIX Collaboration), Measurement of charged pion double spin asymmetries at midrapidity in longitudinally polarized p+p collisions at $\sqrt{s} = 510$ GeV, Phys. Rev. D 102, 032001
- C. Aidala *et al.* (PHENIX Collaboration), Nuclear dependence of transverse single-spin asymmetry of charged hadrons at forward rapidity in polarized p+p, p+Al, and p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. Lett. 123, 122001
- A. Adare *et al.* (PHENIX Collaboration), Pseudorapidity Dependence of Particle Production and Elliptic Flow in Asymmetric Nuclear Collisions of $p + \text{Al}$, $p + \text{Au}$, $d + \text{Au}$, and $^3\text{He} + \text{Au}$ at $\sqrt{s_{NN}} = 200\text{GeV}$
- C. Aidala *et al.* (PHENIX Collaboration), Nonperturbative-transverse-momentum broadening in dihadron angular correlations in $\sqrt{s_{NN}} = 200$ GeV proton-nucleus collisions, Phys. Rev. C 99, 044912
- A. Adare *et al.* (PHENIX Collaboration), Multiparticle azimuthal correlations for extracting event-by-event elliptic and triangular flow in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 99, 024903
- C. Aidala *et al.* (PHENIX Collaboration), Creation of quark-gluon plasma droplets with three distinct geometries. Nat. Phys. 15, 214–220
- C. Aidala *et al.* (PHENIX Collaboration), Nuclear dependence of the transverse-single-spin asymmetry for forward neutron production in polarized $p + A$ collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. Lett. 120, 022001
- A. Adare *et al.* (PHENIX Collaboration), Cross section and longitudinal single-spin asymmetry A_L for forward $W^\pm \rightarrow \mu^\pm \nu$ production in polarized p+p collisions at $\sqrt{s}=510$ GeV, Phys. Rev. D 98, 032007
- C. Aidala *et al.* (PHENIX Collaboration), Single-spin asymmetry of J/ψ production in p+p, p+Al, and p+Au collisions with transversely polarized proton beams at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. D 98, 012006

- C. Aidala *et al.* (PHENIX Collaboration), Cross section and transverse single-spin asymmetry of muons from open heavy-flavor decays in polarized $p + p$ collisions at $\sqrt{s} = 200$ GeV, Phys.Rev. D95 no.11, 112001
- A. Adare *et al.* (PHENIX Collaboration), Measurement of parity-violating spin asymmetries in W^\pm production at midrapidity in longitudinally polarized p+p collisions, Phys.Rev. D93, 051103
- C. Aidala *et al.* (PHENIX Collaboration), Production of π^0 and η mesons in Cu + Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C98 054903
- A. Adare *et al.* (PHENIX Collaboration), Beam Energy and Centrality Dependence of Direct-Photon Emission from Ultrarelativistic Heavy-Ion Collisions, Phys. Rev. Lett. 123, 022301
- A. Adare *et al.* (PHENIX Collaboration), Low-momentum direct-photon measurement in Cu + Cu collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 98, 054902
- C. Aidala *et al.* (PHENIX Collaboration), Measurements of $\mu\mu$ pairs from open heavy flavor and Drell-Yan in $p + p$ collisions at $\sqrt{s} = 200$ GeV, Phys. Rev. D 99, 072003
- C. Aidala *et al.* (PHENIX Collaboration), Nonperturbative transverse-momentum-dependent effects in dihadron and direct photon-hadron angular correlations in $p + p$ collisions at $\sqrt{s} = 200$ GeV, Phys. Rev. D 98, 072004
- A. Adare *et al.* (PHENIX Collaboration), Measurement of two-particle correlations with respect to second- and third-order event planes in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 99, 054903
- A. Adare *et al.* (PHENIX Collaboration), Measurement of emission-angle anisotropy via long-range angular correlations with high- p_T hadrons in $d + Au$ and $p + p$ collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 98, 014912
- A. Adare *et al.* (PHENIX Collaboration), Measurements of mass-dependent azimuthal anisotropy in central $p + Au$, $d + Au$, and $^3\text{He} + Au$ collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 97, 064904
- A. Adare *et al.* (PHENIX Collaboration), Measurement of ϕ -meson production at forward rapidity in $p + p$ collisions at $\sqrt{s} = 510$ GeV and its energy dependence from $\sqrt{s} = 200$ GeV to 7 TeV, Phys. Rev. D 98 092006
- A. Adare *et al.* (PHENIX Collaboration), Lévy-stable two-pion Bose-Einstein correlations in $\sqrt{s_{NN}} = 200$ GeV Au + Au collisions, Phys. Rev. C 97, 064911
- C. Aidala *et al.* (PHENIX Collaboration), Measurements of azimuthal anisotropy and charged-particle multiplicity in $d + Au$ collisions at $\sqrt{s_{NN}} = 200, 62.4, 39,$ and 19.6 GeV, Phys. Rev. C 96, 064905
- C. Aidala *et al.* (PHENIX Collaboration), Measurements of Multiparticle Correlations in $d + Au$ Collisions at 200, 62.4, 39, and 19.6 GeV and $p + Au$ Collisions at 200 GeV and Implications for Collective Behavior, Phys. Rev. Lett. 120, 062302
- C. Aidala *et al.* (PHENIX Collaboration), B -meson production at forward and backward rapidity in $p + p$ and Cu + Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 96, 064901
- A. Adare *et al.* (PHENIX Collaboration), Measurements of e^+e^- pairs from open heavy flavor in $p + p$ and $d + A$ collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 96, 024907
- C. Aidala *et al.* (PHENIX Collaboration), Measurements of $B \rightarrow J/\psi$ at forward rapidity in $p + p$ collisions at $\sqrt{s} = 510$ GeV, Phys. Rev. D 95 092002
- A. Adare *et al.* (PHENIX Collaboration), Angular decay coefficients of J/ψ mesons at forward rapidity from p+p collisions at $\sqrt{s} = 510$ GeV, Phys.Rev. D95 092003

- A. Adare *et al.* (PHENIX Collaboration), Measurement of the relative yields of $\psi(2S)$ to $\psi(1S)$ mesons produced at forward and backward rapidity in $p+p$, $p+\text{Al}$, $p+\text{Au}$, and $^3\text{He}+\text{Au}$ collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 95 034904
- A. Adare *et al.* (PHENIX Collaboration), Nonperturbative-transverse-momentum effects and evolution in dihadron and direct photon-hadron angular correlations in $p+p$ collisions at $\sqrt{s} = 510$ GeV, Phys.Rev. D95, 072002
- A. Adare *et al.* (PHENIX Collaboration), Measurements of double-helicity asymmetries in inclusive J/ψ production in longitudinally polarized $p+p$ collisions at $\sqrt{s} = 510$ GeV, Phys.Rev. D94, 112008
- A. Adare *et al.* (PHENIX Collaboration), Inclusive cross section and double-helicity asymmetry for π^0 production at midrapidity in $p+p$ collisions at $\sqrt{s} = 510$ GeV, Phys.Rev. D93, 011501
- A. Adare *et al.* (PHENIX Collaboration), Measurements of directed, elliptic, and triangular flow in Cu + Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 94, 054910
- A. Adare *et al.* (PHENIX Collaboration), Azimuthally anisotropic emission of low-momentum direct photons in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 94, 064901
- A. Adare *et al.* (PHENIX Collaboration), Scaling properties of fractional momentum loss of high- p_T hadrons in nucleus-nucleus collisions at $\sqrt{s_{NN}}$ from 62.4 GeV to 2.76 TeV, Phys. Rev. C 93, 024911
- A. Adare *et al.* (PHENIX Collaboration), Transverse energy production and charged-particle multiplicity at midrapidity in various systems from $\sqrt{s_{NN}} = 7.7$ to 200 GeV, Phys. Rev. C 93, 024901
- A. Adare *et al.* (PHENIX Collaboration), ϕ meson production in the forward/backward rapidity region in Cu + Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 93, 024904
- A. Adare *et al.* (PHENIX Collaboration), Forward J/ψ production in U + U collisions at $\sqrt{s_{NN}} = 193$ GeV, Phys. Rev. C 93, 034903
- A. Adare *et al.* (PHENIX Collaboration), Centrality-Dependent Modification of Jet-Production Rates in Deuteron-Gold Collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. Lett. 116, 122301
- A. Adare *et al.* (PHENIX Collaboration), Single electron yields from semileptonic charm and bottom hadron decays in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 93, 034904
- A. Adare *et al.* (PHENIX Collaboration), Dielectron production in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 93, 014904
- A. Adare *et al.* (PHENIX Collaboration), Measurements of Elliptic and Triangular Flow in High-Multiplicity $^3\text{He} + \text{Au}$ Collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. Lett. 115, 142301
- A. Adare *et al.* (PHENIX Collaboration), ϕ meson production in $d + \text{Au}$ collisions at $\sqrt{s_{NN}} = 200$ GeV, Phys. Rev. C 92, 044909
- A. Adare *et al.* (PHENIX Collaboration), Measurement of higher cumulants of net-charge multiplicity distributions in Au + Au collisions at $\sqrt{s_{NN}} = 7.7 - 200$ GeV, Phys. Rev. C 93, 011901(R)
- R. Cruz-Torres *et al.* (Jefferson Lab Hall A Tritium Collaboration), Comparing proton momentum distributions in $A = 3$ nuclei via ^3He and ^3H ($e, e'p$) measurements, Phys. Lett. B797 134890
- R. Cruz-Torres *et al.* (Jefferson Lab Hall A Tritium Collaboration), Probing Few-Body Nuclear Dynamics via ^3H and ^3He ($e, e'p$)pn Cross-Section Measurements, Phys. Rev. Lett. 124, 212501
- C. Yero *et al.* (Hall C Collaboration), Probing the Deuteron at Very Large Internal Momenta, Phys. Rev. Lett. 125, 262501
- D. Bhetuwal *et al.* (Hall C Collaboration) Ruling out Color Transparency in Quasielastic $^{12}\text{C}(e, ep)$ up to Q^2 of 14.2 (GeV/c) 2 , Phys. Rev. Lett. 126, 082301

- S. Riordan *et al.*, Study of Light Backgrounds from Relativistic Electrons in Air Light-Guides, Nucl. Instrum. Meth. A896 96-102
- S. Adachi *et al.*, Trigger electronics upgrade of PHENIX muon tracker, Nucl. Instr. Meth. A 703, 114-132
- S. Park *et al.* CJ15 global PDF analysis with new electroweak data from the STAR and SeaQuest experiments, arXiv:2108.05786 [hep-ph]
- S. Park, W Physics Result of PHENIX
Proceedings of XXI. International Workshop on Deep-Inelastic Scattering and Related Subjects, Marseille, France, April 22-26, 2013, PoS DIS2013, 209
- S. Park, Determination of the detector acceptance correction for the PHENIX $W \rightarrow \mu$ analysis
RIKEN Accel. Prog. Rep. 49, 93 (2016)
- S. Park, Study of the dimuon process for PHENIX $W^\pm \rightarrow \mu^\pm$ analysis using 2012 data
RIKEN Accel. Prog. Rep. 47, 90 (2014)
- S. Park, PHENIX 2012 W Measurement and Fast Production Data Analysis
RIKEN Accel. Prog. Rep. 46, 63 (2013)
- S. Park, Stability Monitor of PHENIX New High Momentum Muon Trigger
RIKEN Accel. Prog. Rep. 45, 64 (2012)