

## Personal publications

- **Magnon-Phonon Interactions and Kinematic Levels in Ferromagnetics**  
B.Sc. Thesis, University of Novi Sad, Yugoslavia (1977).
- **Hadron Production in Neutrino and Antineutrino Interactions on Nucleons**  
Ph.D. Thesis, University of Birmingham, United Kingdom (1981).
- **W-Z Interference in Neutrino-Nucleus Scattering**  
R. Belusevic and J. Smith  
Physical Review D37, No.9 (1988).
- **Neutrino Reactions in the Low-y Region**  
R. Belusevic and D. Rein  
Physical Review D38, No.9 (1988).
- **Transputer-Based Readout Controller**  
R. Belusevic and G. Nixon  
Nuclear Instruments & Methods A277 Nos.2,3 (1989).
- **An 80 Mbytes/s Data Transfer and Processing System**  
R. Belusevic, G. Nixon and D. Shaw  
Nuclear Instruments & Methods A295 No.3 (1990).
- **Readout Control for High Luminosity Accelerators**  
R. Belusevic and G. Nixon  
Nuclear Instruments & Methods A307 No.1 (1991).
- **Effect of electroweak radiative processes in  $e^+e^-$  annihilations on the ratio of measured hadronic and dilepton cross sections**  
R. Belusevic  
KEK Preprint 91-195 H (1991).
- **Exclusive Neutrino Interactions on Heavy Nuclei**  
R. Belusevic and D. Rein  
Physical Review D46, No.9 (1992).
- **Neutrino-Induced Nuclear Excitations**  
R. Belusevic  
Physical Review D51, No.7 (1995).
- **Neutral Kaons**  
R. Belusevic  
Springer Tracts in Modern Physics **153**, Springer-Verlag (1999).
- **Higgs self-coupling in  $\gamma\gamma$  collisions**  
R. Belusevic and G. Jikia  
Physical Review D70, 073017 (2004).
- **Relativity, Astrophysics and Cosmology**  
R. Belusevic  
WILEY-VCH Verlag (2008).
- **A CLIC-Prototype Higgs Factory**  
R. Belusevic and T. Higo  
KEK Preprint 2012-21; arXiv:1208.4956 (2012).

- **A Multi-MW Proton/Electron Facility at KEK**  
J. Appl. Math. Phys. 5 (2017);  
KEK Preprint 2014-35 (2014); arXiv:1411.4874v3 (2016).
- **An SLC-type  $e^+e^-/\gamma\gamma$  facility at a Future Circular Collider**  
R. Belusevic  
J. Mod. Phys. 8 (2017); arXiv:1602.01308v3 (2016).
- **An  $e^+e^-/\gamma\gamma/ep$  Accelerator Complex at a Future Circular Collider**  
R. Belusevic  
J. High En. Phys. Grav. Cosm. 5 (2019).
- **A Concise History of Physics**  
R. Belusevic  
(to be published).

## Experimental publications

- **First Observation of the Production and Decay of the  $\Sigma_c^+$**   
Physics Letters 93B (1980).
- **Dimuon Events Produced in High Energy Antineutrino Interactions Observed in BEBC**  
Physics Letters 94B (1980).
- **Measurement of the Ratio of Total and Differential Cross Sections on Neutrons and Protons for Charged-Current Neutrino Events**  
Physics Letters 102B (1981).
- **Determination of the Neutral to Charged-Current Cross Section Ratio for Neutrino Interactions on Protons**  
Physics Letters 122B (1983).
- **A Search for  $\nu_\mu$  Oscillations in the  $\Delta m^2$  Range 0.3 - 90 eV<sup>2</sup>**  
Physics Letters 134B (1984).
- **Determination of the Neutral to Charged-Current Cross Section Ratio for Antineutrino Interactions on Protons**  
Physics Letters 138B (1984).
- **A Comparison of Charged-Current Cross Sections and Structure Functions for Neutrino and Antineutrino Beams on Hydrogen and Neon**  
Nuclear Physics B232 (1984).
- **Dilepton and Trilepton Production by Antineutrinos and Neutrinos in Neon**  
Zeitschrift für Physik C29 (1985).
- **Are There “Prompt” Like-Sign Dimuons?**  
Zeitschrift für Physik C31 (1986).
- **Precision Measurement of  $\sin^2 \theta_w$  from Semileptonic Neutrino Scattering**  
Physical Review Letters 57 No.3 (1986).

- **Proposal to Study a Large Liquid Argon-Uranium Absorber Calorimeter**  
Fermilab-Proposal-0740 (1986).
- **Total Neutrino and Antineutrino Charged-Current Cross Section Measurements in 100, 160 and 200 GeV Narrow Band Beams**  
Zeitschrift für Physik C35 (1987).
- **Electroweak Parameters from a High Statistics Neutrino-Nucleon Scattering Experiment**  
Zeitschrift für Physik C45 (1990).
- **Measurement of Differential Cross Sections and Nucleon Structure Functions in Charged-Current Neutrino Interactions on Iron**  
Zeitschrift für Physik C49 (1991).
- **Study of Opposite Sign Dimuon Production in High-Energy Neutrino-Nucleon Interactions**  
Physical Review D43, No.9 (1991).
- **Prompt Neutrino Results from a Proton Beam Dump Experiment**  
Zeitschrift für Physik C56 (1992).
- **Cross Sections and Charge Asymmetries for  $e^+e^- \rightarrow \mu^+\mu^-$  and  $e^+e^- \rightarrow \tau^+\tau^-$  Reactions at  $\sqrt{s} = 52 - 61.4$  GeV**  
Physics Letters 291B (1992).
- **Search for a Narrow Resonance in  $e^+e^-$  Collisions between  $\sqrt{s} = 58$  and  $60$  GeV**  
Physics Letters 304B (1993).
- **Measurements of  $\alpha_s$  in  $e^+e^-$  Annihilations at TRISTAN**  
Physics Letters 313B (1993).
- **Measurement of the Inclusive Cross Section of Jets in  $\gamma\gamma$  Interactions at TRISTAN**  
Physics Letters 314B (1993).
- **Measurement of the Forward-Backward Asymmetry of  $e^+e^- \rightarrow c\bar{c}$  at  $\sqrt{s} = 57.95$  GeV**  
Physics Letters 314B (1993).
- **Measurement of the  $D^{*\pm}$  Cross Section Using a Soft-Pion Analysis in Two-Photon Processes**  
Physics Letters 328B (1994).
- **Measurement of the Photon Structure Function  $F_2^\gamma$  and Jet Production at TRISTAN**  
Physics Letters 332B (1994).
- **Measurement of the  $D^{*\pm}$  Cross Section in Two-Photon Processes**  
Physical Review D50, No.3 (1994).
- **Measurement of the Forward-Backward Asymmetries for Charm- and Bottom-Quark Pair Productions at  $\sqrt{s} = 58$  GeV with Electron Tagging**  
Physics Letters 340B (1994).