

Peter Križan

Employment, Positions and Appointments

- University of Ljubljana, Ljubljana: professor at the Faculty for Mathematics and Physics; full professor since 2002, head of physics department and vice dean (2003-2005)
- J. Stefan Institute, Ljubljana: senior research associate, principal investigator
- Deutsches Elektronen-Synchrotron (DESY), Hamburg.
 - 1989-90, 1998 Alexander von Humboldt Fellow
 - 1994-2001 Coordinator of the HERA-B RICH detector and of the Heavy Flavour Working Group, member of the Executive Board
- KEK, Tsukuba
 - since 2002 member of the Executive Board of the Belle collaboration
 - 2008-2009 Chair of the Belle II Steering Committee and Technical Coordinator
 - 2009-2013 Spokesperson (scientific leader) of the Belle II Collaboration
 - 2015-2020 Technical Coordinator of the Belle II Collaboration
 - 2023-2025 Deputy spokesperson of the Belle II Collaboration
- University of Nagoya
 - 2015-> visiting professor

Awards, distinctions

- 2023 regular member of Slovenian Academy of Sciences and Arts
- 2023 ERC Proof-of-Concept Grant
- 2020 ERC Advanced Grant
- 2017 member (extraordinary) of Slovenian Academy of Sciences and Arts
- 2008 Zois award (Slovenian state award for science)
- 2002 Zois distinction (Slovenian state distinction for science)

Fields of Research:

- threshold pion production (experiment SC94, CERN) - until 1987
- ARGUS experiment, DESY, Hamburg: B physics and two photon physics - until 1992
- HERA-B experiment: planning, design, construction, commissioning, data taking, heavy flavour physics, open charm production (1992-2001)
- BELLE experiment: since 2001, measurement of CKM matrix elements, rare decays, D0 mixing, time-dependent CP violation measurements.
- BELLE II experiment: since 2008, preparation of a new spectrometer, studies of physics reach, experiments with the Belle II spectrometer.
- Detector development: particle identification methods, photon detectors and electronics for ring imaging Cerenkov counters, new methods in time-of-flight measurements, wire chambers.
- Applications of detection methods in environmental physics and medical imaging: Cherenkov TOF-PET with lead glass and MCP PMTs, PET with LYSO and SiPMs, and detection of Sr90 in the environment

Committees

- Member of the EPS High Energy Particle Physics Panel (EPS HEPP, 2013-2020).
- Member of the ICFA (International Committee for Future Accelerators) Instrumentation Panel (2005->).
- Member of the International advisory committee of the RICH conference series (2002-2018)
- Member of the International advisory committee of the FPCP conference series (2005-2007)
- Member of the Scientific Advisory Boards of the HEPHY, Vienna, and Stefan Meyer Institute, Vienna (2014-2021)
- Member of the EIC Detector R&D Committee, BNL (2014-2021)
- Member of the LHCC Committee, CERN (2016-2019)
- Member of the DOE Basic Research Needs (BRN) Study on HEP Detector Research and Development (2019-2020)
- Member of the ECFA Detector R&D Roadmap panel (2021)
- Chair of the Scientific Council of the Slovenian Research Agency ARRS (2020-2025)
- Chair of the Department of Mathematics, Physics and Chemistry, Slovenian Academy of Sciences and Arts (2020->)
- Member of the FCC Scientific Advisory Committee, CERN (2022->)
- Member of the EIC Detector Advisory Committee, BNL (2022->)
- Co-coordinator of the preparatory team of DRD4 (ECFA Detector R&D Collaboration on Photodetectors and Particle Identification)