CURRICULUM VITAE

Dept. of Physics and Astronomy 666 W. Hancock Street Detroit, MI 48202 tel: 313-577-2721 email: voloshin@wayne.edu

Field of Research	Physics of multiparticle production. Ultrarelativistic nuclear collision.
Experience	
Distinguished Professo 2023 to present Professor 2004 to 2023 Associate Professor 1999 to 2004	 br Wayne State University (Department of Physics and Astronomy) Teaching general and specialized physics courses Member of STAR (RHIC, BNL) and ALICE (LHC, CERN) Collaborations Principal author of more than 25 STAR and 20 ALICE papers. Discovery of the global polarization in heavy ion collisions Search for the Chiral Magnetic Effect at RHIC and LHC Principal author of the first ALICE paper – measurement of elliptic flow at LHC Discovery of large elliptic flow at RHIC, evidence for sQGP (perfect liquid) Proposed constituent quark scaling of elliptic flow - evidence for deconfinement Principal author of the first STAR (RHIC) paper – measurement of elliptic flow at RHIC Proposal and first measurements of correlations in support of local strong parity violation
Special Scientist 1998 to 1999	 Lawrence Berkeley National Laboratory Event-by-Event physics of nuclear collisions at SPS (NA49) and RHIC (STAR) energies Anisotropic flow and two-particle correlation analyses of NA49 (SPS_CERN) data
Visiting Scientist 1996 to 1998	 • Anisotropic flow and two particle correlation analyses of MAPS (SFS, CERN) data • Study of radial and directed transverse flow in nucleus collisions • Anisotropic flow analyses of the E877 (AGS, BNL) and the NA45 (SPS, CERN) data
Visiting Scientist 1992 to 1996	 University of Pittsburgh Development methods for anisotropic flow measurements in nuclear collision Discovery of in-plane elliptic flow at AGS BNL. Development methods for femtoscopic measurements in presence of anisotropic flow
Exchange Visitor 1989 to 1990 Associate Dean 1983 to 1992 Associate Professor 1988 to 1996 Assistant Professor 1983 to 1988 Junior Scientist 1980 to 1983	 Development methods for femtoscopic measurements in presence of anisotropic now Theoretical Physics Institute, University of Minnesota Development of Split-Bin Correlation Function method for study of intermittency Faculty of Theoretical and Experimental Physics, Moscow Engineering Physics Institute (~ 300 faculty, 1800 students) Moscow Engineering Physics Institute (Department of Theoretical Physics) Teaching of general courses in theoretical physics Research on anisotropies and asymmetries in particle production in nuclear collisions Study of multiparticle production off nuclei and l+l- signals of QGP Development of quark combinatorics techniques Study of multiparticle production in parton model
Education Ph.D in Physics (Candidate of sciences, Physics & Mathematics) Diploma (with honor)	 Moscow Engineering Physics Institute, Moscow, Russia. February 1980. Intranuclear parton cascades and multiparticle production in hadron-nucleus collisions Moscow Engineering Physics Institute, March 1976. Generalized Vector Dominance Model and lepton-nucleus collisions
Awards	 Moscow Youth Prize in Science (1985) for development of Quark-parton picture of multiparticle production Elected Fellow of American Physical Society, 2008, for numerous seminal contributions to the methods and interpretation of collective flow in relativistic nuclear collisions Richard J. Barber Faculty Recognition Award, 2011

- Inducted to Wayne State Academy of Scholars, 2012
- Appointed to rank of Distinguished Professor, Wayne State University, 2023

Publications

As of Jan-2025 more than 800 publications in leading scientific journals with total of more than 110000 citations, Hirsch index 171 (216) according to InSPIRE (Google Scholar) database.