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Born February 18, 1953, Donetsk, Ukraine.
Citizenship U.S.A., Russian Federation

Field of Research Physics of multiparticle production. Ultrarelativistic nuclear collision.

Experience

- Professor** (with tenure) **Wayne State University** (Department of Physics and Astronomy)
2004 to present
- Teaching general and specialized physics courses
- Associate Professor**
1999 to 2004
- Member of STAR (RHIC, BNL) and ALICE (LHC, CERN) Collaborations
 - Principal author of more than 20 STAR papers, including first STAR (and RHIC) publication.
 - Discovery of large elliptic flow at RHIC, evidence for sQGP (perfect liquid)
 - Proposed constituent quark scaling of elliptic flow - evidence for deconfinement
 - Proposal and first measurements of correlations in support of local strong parity violation
 - Principal author of the first ALICE paper – measurement of elliptic flow at LHC
- 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
- University of Heidelberg**
- 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 femtosopic measurements in presence of anisotropic flow
- Exchange Visitor**
1989 to 1990
- Theoretical Physics Institute, University of Minnesota**
- Development of Split-Bin Correlation Function method for study of intermittency
- Associate Dean**
1983 to 1992
- Faculty of Theoretical and Experimental Physics, Moscow Engineering Physics Institute** (~ 300 faculty, 1800 students)
- Associate Professor**
1988 to 1998
- 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 method
 - Study of multiparticle production in parton model
- Assistant Professor**
1983 to 1988
- Junior Scientist**
1980 to 1983

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 (Komsomol) 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

Publications

More than 330 publications in leading scientific journals with total of more than 33000 citations, Hirsch index 89 (95) according to InSPIRE (Google Scholar) database.