

# Lev Lipatov - recollections I

Jochen Bartels, Hamburg

**L.N.Lipatov**  
**1940 - 2017**



## Vita:

- Born: 1940 in Leningrad
- 1957: diploma/master student of M.Braun
- 1963 joined group of V.N.Gribov at Ioffe Physical technical institute; candidate dissertation in 1968
- 1974 Doctor of Science
- 1990 Professor
- since 1997 Director of Theory Division of PNPI
  
- 1997 Corresponding member of Russian Academy of Science
- 2011 Full member

# World leader of High Energy scattering in Quantum Field Theory

- DGLAP
- BFKL
  
- QED, double logs
- parton picture: higher twist evolution
- large orders perturbation theory
- effective action
- BFKL: NLO corrections
- BFKL/BKP: integrability
- graviton
- AdS/CFT
- HERA data: QCD BFKL Pomeron

## Awards, prizes:

- 1997/2011 Member of Russian Academy of Science
- 1993 Alexander von Humboldt Research award
- 2001 I.Ya.Pomeranchuk prize
- 2006-2009 Marie Curie Excellence Chair of the European Community
- 2009-2010 Sackler Institute of Advanced Studies in Tel Aviv
- 2015 European Physical Society High Energy and Particle Physics Prize

# Extended visits and collaborations

- Germany, DESY and Hamburg University
- France
- United States
- Poland
- United Kingdom
- Italy
- Spain
- Israel
- Chile





Lev's work continues:

Two recent research lines of L.N.Lipatov

- a) AdS/CFT: high energy scattering in  $N=4$  SYM
- b) the QCD BFKL Pomeron and HERA data