

## TRANSVERSITY 2017

### THE FIFTH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARIZATION PHENOMENA IN HARD PROCESSES Frascati National Laboratories (LNF), Frascati (Italy) 11-15 December, 2017

#### First Bulletin

Transversity and transverse-spin effects in high-energy hadronic collisions are of ever-growing theoretical and experimental interest within the particle physics community. Modern developments in hadron physics emphasise the role of parton intrinsic motion and spin, and their correlations, which are crucial to our full understanding of the nucleon structure in terms of the quark and gluon degrees of freedom in QCD, beyond the collinear approximation.

The main aim of the workshop is to provide an environment in which present theoretical and experimental knowledge in the field of transversity, transverse-momentum dependent distribution and fragmentation functions as well as generalized parton distribution functions will be presented and discussed in depth, together with new theoretical ideas and experimental perspectives. The workshop represents a valuable opportunity to gather the spin physics community, with a broad participation of theorists, as well as of experimentalists working in international collaborations at BEPC-II, BNL, CERN, DESY, KEK and Jefferson Lab (JLab), all deeply involved in this area of research. The workshop will also be a unique occasion for young researchers to form a detailed and up-to-date perspective on this fast-developing research field, and to present and discuss their own work and projects in a highly stimulating and reactive context.

The workshop follows those held in 2005 on Lake Como (Italy), 2008 in Ferrara (Italy), 2011 in Lošinj (Croatia), and 2014 in Cagliari (Italy) organized within the framework of an Italian Ministry-funded inter-university Research Project of National Interest (PRIN).

Transversity 2017 will take place from December 11th to 15th, the venue is at the Frascati National Laboratories - Frascati, Italy, about 20 km south-east of Rome and about 40 km west of the Rome-Fiumicino International Airport “Leonardo da Vinci”. An attendance of about 80 participants is expected while the scientific program will consist of some 50 presentations (by invitation only) in addition to one or two round-table discussions.

The registration fee, covering the welcome party, the conference dinner, lunches and coffee breaks for the workshop’s days, will be € 250.00 if paid by October 1st and € 300.00 if paid later. The registration form will be accessible from the workshop website.

Transversity 2017 is supported and sponsored by: Argonne National Lab, CAEN, the European Physical Journal, a European Research Council grant (Pavia), INFN, and JLab. It is also endorsed by the International Spin Physics Committee. The workshop is organized by the Frascati National Laboratories (LNF) of the INFN, in collaboration with colleagues from the Universities and INFN Sections of Cagliari, Ferrara, Milano-Bicocca, Pavia, Rome Sapienza, Rome Tor Vergata, Torino, Trieste and from JLab.

Further information can be obtained from the workshop website (still under construction):  
<http://www.lnf.infn.it/conference/transversity2017>

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