

# **TRANSVERSITY 2017**

FIFTH INTERNATIONAL WORKSHOP ON  
TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES  
Frascati National Laboratories (LNF), Frascati (Italy)  
11<sup>th</sup>-15<sup>th</sup> December 2017

## **Second Bulletin – September 2017**

### **AIM OF THE WORKSHOP**

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 emphasize 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.

Transversity 2017 is the fifth in a series of workshops devoted to transversity and transverse-spin effects in high-energy hadronic collisions. It 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).

### **WORKSHOP DATES AND VENUE**

Transversity 2017 will take place from December 11<sup>th</sup> to 15<sup>th</sup> at the Frascati National Laboratories, Frascati, Italy. The Laboratories are 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 100 participants is expected.

**WEBSITE:** <http://www.lnf.infn.it/conference/transversity2017/>

**EMAIL:** [transversity2017\\_roc@lists.lnf.infn.it](mailto:transversity2017_roc@lists.lnf.infn.it)

### **SCIENTIFIC PROGRAM**

The scientific program will consist of about 65 plenary talks (by invitation only) and one round-table discussion. The list of the invited speakers and topics are available on the workshop web site (<http://www.roma1.infn.it/conference/Transversity2017/speakers.html>).

The workshop coincides with Mauro Anselmino's 70<sup>th</sup> birthday. A mini-session has been organized on Thursday afternoon, December 14<sup>th</sup>, dedicated to Mauro, to give credit to his important contributions to the field of transversity and transverse-spin effects during his long career.

## **REGISTRATION**

Registration to Transversity 2017 is open. The registration fee for participants, covering the welcome party, the conference dinner, lunches and coffee breaks for the workshop's days, is € 250.00 if paid by 15<sup>th</sup> October 2017, and € 300.00 if paid later.

The registration form is available from the workshop web page, where details for payments are also given.

## **ACCOMMODATION**

Participants should take care of their own accommodation. We have negotiated special rates in some hotels located near the Frascati National Laboratories; please quote "TRANSVERSITY2017" in the reservation. Some rooms are also available at the Frascati National Laboratories guesthouses. Further details are available at the workshop web page

## **SOCIAL PROGRAM**

The social program will include a welcome party and a conference dinner. More information will be given on the conference web page.

## **SUPPORTING INSTITUTIONS**

The Workshop Transversity 2017 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. The Workshop is supported and sponsored by the Istituto Nazionale di Fisica Nucleare (INFN), Jefferson Laboratory (JLab), Argonne National Laboratory (ANL), the European Research Council Grant 3DSPIN (Pavia), the University of Connecticut, the European Physical Journal (EPJ), and CAEN. It is also endorsed by the International Spin Physics Committee.

## **COMMITTEES**

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