

EuCARD-2 XPOL workshop on “Polarization Issues in Future High Energy Circular Colliders”

Saturday 16 April 2016 - Saturday 16 April 2016

Rome

Scientific Programme

Session from 09:00 h - 10:30 h

LEP Polarization Experience, Alain Blondel, U. Geneva

Polarization needs for FCC-ee , Alain Blondel, U. Geneva

Simulations of the (self-)polarization level in the lepton collider at Z and/or W energy, Eliana Gianfelice-Wendt, FNAL

Session from 11:00 h - 12:30 h

Polarization study for CEPC, Zhe Duan, IHEP

Polarization wigglers for FCC-ee (TLEP) and lessons from LEP, Mike Koratzinos, U. Geneva

Polarized internal target, Paolo Lenisa, Ferrara

Session from 14:00-16:00

Acceleration of polarized beams in a booster synchrotron of FCC-ee, Ivan Koop, BINP

Free spin precession approach to energy calibration, Ivan Koop, BINP

Some aspects of FCC-ee/CEPC polarization, Frank Zimmermann, CERN

Session from 16:30-18:30

Overview of Polarized Electron and Positron Sources, Louis Rinolfi, JUAS

Accelerating polarized electrons to 175 GeV, Vadim Ptitsyn, BNL

Compton polarimetry at storage rings, Wolfgang Hillert, Bonn

Resonant polarimetry: a new way to non-invasive fast measurement of beam polarization?, Wolfgang Hillert, Bonn

Polarization prospects for the hadron collider, Vadim Ptitsyn, BNL

Magnetic spectrometer problems and challenges, Ivan Koop, BINP

Polarization experience at MAMI and Plans for MESA, Kurt Aulenbacher, Mainz