

CERN-BINP workshop for young scientists in e+e- colliders

Monday 22 August 2016

Young Scientists' Forum: Accelerator design and technologies - Room Charpak, building 60, 6th floor (10:20 - 12:00)

-Conveners: Tomas Rogelio

time	[id] title	presenter
10:20	[8] Towards a monochromatization scheme for direct Higgs production at FCC-ee	Mr VALDIVIA GARCÍA, Marco Alan
10:40	[4] FCC-ee Pre-Booster Accelerators	Mr OGUR, Salim
11:00	[42] Design Study of a Pre-Booster Damping Ring for the FCC e+e- Injector	Mr ETISKEN, özgür
11:20	[38] Comparative study of the tuning performances of the nominal and long L* CLIC BDS	Mr PLASSARD, Fabien
11:40	[43] Beam tuning simulation for ATF2 low beta* optics	Mr PATECKI, Marcin

Young Scientists' Forum: Experiments and facilities - Room Charpak, building 60, 6th floor (16:00 - 17:00)

-Conveners: Rickard Strom

time	[id] title	presenter
16:00	[7] The CLIC Detector Concept	Mr PITTERS, Florian
16:20	[40] The Belle II Experiment	KAHN, James
16:40	[5] Fast Luminosity Monitoring and Beam Loss Studies at SuperKEKB in Japan	Ms EL KHECHEN, Dima

Young Scientists' Forum: Calorimetry - Room Charpak, building 60, 6th floor (17:20 - 19:20)

-Conveners: Andreas Maier

time	[id] title	presenter
17:20	[16] Radiation hardness study of CsI(Tl) crystals for Belle II calorimeter	Mr MATVIENKO, Dmitry
17:40	[19] X-ray tomography using thin scintillator films	Mr KOZYREV, evgeny
18:00	[31] Development of the new spectrometric channel for the SND electromagnetic calorimeter	Mr SURIN, Ilya
18:20	[20] Calorimetry at CMD-3	Mr RAZUVAEV, Georgii
18:40	[41] The liquid Xenon barrel calorimeter of the CMD-3 detector	IVANOV, Vyacheslav
19:00	[15] The CMD-3 Data Acquisition System	KOZYREV, Alexey

Tuesday 23 August 2016

Young Scientists' Forum: Physics - Room Charpak, building 60, 6th floor (10:00 - 12:00)

-Conveners: Iouri Tikhonov

time	[id] title	presenter
10:00	[10] Quasiclassical approach and high energy QED processes in the field of a heavy atom	KRACHKOV, Peter
10:20	[13] Measurement of $G_{ee}(J/\psi) \cdot B(J/\psi \rightarrow \text{hadrons})$ with KEDR detector at the VEPP-4M collider.	KHARLAMOVA, Tatyana
10:40	[66] BSM physics constraints from Higgs measurements at future e+ e- colliders	Dr WANG, Kechen
11:00	[18] Study of the conversion decays of omega meson into pi0 meson and e+e- pair with the CMD-3 detector	KUZMENKO, Anastasiya
11:20	[11] Luminosity measurement with the CMD-3 detector at the VEPP-2000 e+e- collider.	Mr RYZHENENKOV, Artem
11:40	[34] Silica fiber Cherenkov radiation monitor to study transverse beam tails in storage ring	VOROSHILOV, Daniil

Young Scientists' Forum: Software and Computing - Room Charpak, building 60, 6th floor (14:00 - 15:00)

-Conveners: Marko Petric

time	[id] title	presenter
14:00	[14] FCC software strategies and challenges	Mr VOLKL, Valentin
14:20	[44] Linear Collider software for event simulation to reconstruction	SIMONIELLO, Rosa
14:40	[3] iLCDIRAC and CI: Automated testing for distributed jobs	Mr EBBING, Jan

Young Scientists' Forum: Accelerator design and technologies - Room Charpak, building 60, 6th floor (15:20 - 16:40)

-Conveners: John Jowett

time	[id] title	presenter
15:20	[37] Beam energy measurement by resonant depolarization method	Mr NIKOLAEV, Ivan
15:40	[26] Fast and Precise Beam Energy Measurement Using Compton Backscattering at e+e- Colliders	Mr KAMINSKIY, Viacheslav
16:00	[29] High field studies for CLIC accelerating structures development	Ms PROFATILOVA, Iaroslava
16:20	[27] Investigation of beam halo at the Accelerator Test Facility of KEK (Japan)	Mr YANG, Renjun

Wednesday 24 August 2016

Young Scientists' Forum: Accelerator design and technologies - Room Charpak, building 60, 6th floor (10:00 - 12:00)

-Conveners: Evgeny Levichev

time	[id] title	presenter
10:00	[46] Injection - extraction systems for e+e- storage rings.	KASAEV, Aleksey
10:20	[28] Low energy electron cooler for NICA Booster	DENISOV, Andrey
10:40	[47] Niobium Thin Film Technology for Superconducting RF Cavities	AULL, Sarah
11:00	[33] Design study of CEPC Alternating Magnetic Field Booster	Mr BIAN, Tianjian
11:20	[35] Synchrotron radiation beam diagnostics at BINP	DOROKHOV, Viktor
11:40	[24] Application of a Low-Energy Electron Beam as a Tool for ultrashort bunch length measurement in circular machines.	Mr NIKIFOROV, Danila

Young Scientists' Forum: Tracking and particle ID detectors - Room Charpak, building 60, 6th floor (15:00 - 16:40)

-Conveners: Eva Sicking

time	[id] title	presenter
15:00	[12] Tracking system of CMD-3 detection and kaon identification.	Mr SHEMYAKIN, Dmitry
15:20	[6] Vertex and tracker research and development for CLIC	MUNKER, Magdalena
15:40	[9] GEM detectors in the experiments at e+e- colliders in BINP	Mr MALTSEV, Timofei
16:00	[21] FARICH detector for the Super Charm-Tau factory in Novosibirsk	Dr BARNYAKOV, Alexander
16:20	[17] Aerogel Cherenkov counters of the KEDR detector	Mr OVTIN, Ivan

Young Scientists' Forum: Accelerator design and technologies - Room Charpak, building 60, 6th floor (17:00 - 19:20)

-Conveners: Sergey Serednyakov

time	[id] title	presenter
17:00	[25] Dynamical Aperture Control in Accelerator Lattices With Multipole Potentials	MOROZOV, Ivan
17:20	[32] CEPC Partial Double Ring Lattice Design and SPPC Lattice Design	Mr SU, Feng
17:40	[39] Fast Kicker for High Current Beam Manipulation in Large Aperture	Mr GAMBARYAN, Vaagn
18:00	[36] Increase of dynamic aperture limited by sextupoles with the help of octupoles	Ms KARIUKINA, Kseniia
18:20	[30] Realistic approach for beam dynamics simulation with synchrotron radiation in high energy circular lepton colliders	Mr GLUKHOV, Sergey
18:40	[23] Using of non-uniform bending magnets for emittance reduction in electron storage ring	BARANOV, Grigory
19:00	[45] VEPP-2000 collider control system: operational experience.	Mr SENCHENKO, Alexander