

16:10 16:35 **Francois Lemery** (DESY) "TBD"

16:35 17:00 **Suren Arutunian** (CANDLE / Yerevan Physics Institute), "*Synchrotron radiation in reference frame moving with electron bunch: limits of the Coulomb approximation*"

17:00 BUS FROM CANDLE TO HOTEL

WEDNESDAY, 01-July-26

Session 1. Accelerator projects, Ongoing activities, Advanced Concepts, Experimental Projects *(Chairman: [Andrea Rossi](#))*

09:20 09:45 **Albert Davtyan** (CANDLE), "*Preliminary Calculations for AREAL Linac Vacuum System Enhancement*"

09:45 10:10 **Harsha Panuganti** (DESY), "*Photocathode Test Set-up for QE Measurements and Laser Cleaning of Copper Photocathodes*"

10:10 10:35 **Marcello Rossetti Conti** (INFN), "*ERMES: Listening to the Earth's Silent Stress with Muon Beams*"

10:35 11:00 **Andranik Tsakanian** (Helmholtz-Zentrum Berlin), "*Developments of the 3rd & 3.5rd Harmonic Cavities at HZB*"

11:00 11:20 COFFEE BREAK

Session 1. Accelerator projects, Ongoing activities, Advanced Concepts, Experimental Projects *(Chairman: [Bagrat Grigoryan](#))*

11:20 11:45 **Vahan Kocharyan** (Institute of Applied Problems of Physics), "*High-Intensity Monochromatic X-Ray Generation from Multilayer Teflon Structures via Combined TR and PXR Mechanisms*"

11:45 12:10 **Gianfranco Paterno** (INFN), "*Coherent effects in oriented crystals for intense photon and positron sources*"

12:10 12:35 **Arpine Martirosyan** (Yerevan Physics Institute), "*The Role of Picosecond Electron Beam Intensity In Irradiation-Induced Damage of Silicon Solar Cells*"

12:35 14:30 LUNCH

14:30 EXCURSION TO OLD MANUSCRIPT MUSEUM

THURSDAY, 02-July-26

Session 2. Accelerator techniques, Radiation Sources, Technologies

(Chairman: Alke Meents)

- 09:20 09:45 **Robert Mirzoyan** (Institute of Applied Problems of Physics),
“Imaging for Terahertz Range Using Different Interferometric and optical systems”
- 09:45 10:10 **Minas Sukiasyan** (CANDLE / Yerevan State University), *“Optical-Signal-Based Precise Focal Positioning in Glass Using Femtosecond Laser Pulses”*
- 10:10 10:35 **Artur Davoyan** (University of California, Los Angeles), *“Plasmonics at Extreme Laser Energies”*
- 10:35 11:00 **Maksim Sargsyan** (CANDLE / Yerevan State University), *“Probing the femtosecond laser-induced electronic modification threshold in dielectrics via third-harmonic generation”*
- 11:00 11:20 COFFEE BREAK
- 11:20 11:45 **Alex Murokh** (RadiaBeam Technologies) *“Commissioning and Initial Demonstrations of the Tunable Inverse Compton Scattering X-Ray Source at RadiaBeam”*
- 11:45 12:10 **Mikayel Ivanyan** (CANDLE SRI), *“A review of recent works”*
- 12:10 12:35 **Gerard Andonian** (UCLA & RadiaBeam Technologies), *“Transverse effects in dielectric wakefield acceleration”*
- 12:35 14:30 LUNCH

Session 3. Experiments, Setups, Applications of Accelerators

(Chairman: Armen Grigoryan)

- 14:35 15:00 **Lusine Aslyan** (CANDLE SRI), *“On equivalence of metal-dielectric and single-layer dielectric waveguides in the problems of accelerator physics”*
- 15:00 15:25 **Tigran Harutyunyan** (Yerevan State University), *“New biomarkers of genomic instability for evaluation of genotoxic effects of accelerated electron radiation in human cells”*
- 15:25 15:50 **Merirouz Melkumyan** (CANDLE SRI), *“Radiobiological Effects of Ultrashort Pulsed Electron Beams in 3D Cancer Models”*
- 15:50 16:10 COFFEE BREAK
- 16:10 16:35 **Margarita Karalyan** (CANDLE SRI), *“Application of dispersion relations to the problem of calculating the radiation field of a particle moving along a helical trajectory in a metal-dielectric cylindrical waveguide”*
- 16:35 17:00 **Hayk Sargsyan** (CANDLE) *‘Surrogate-Assisted Optimization in Linear Accelerators’*

17:00 **TRANSFER TO HOTEL**

18:00 **BUS TO WORKSHOP DINNER**

FRIDAY, 03-July-26

Session 3. Experiments, Setups, Applications of Accelerators

(Chairman Hamlet Isunts)

09:20 **09:45** **Hamlet Isunts** (CANDLE), ***“Experimental research of accelerator output windows with foil above-gasket positioning”***

09:45 **10:10** **Albert Davtyan** (CANDLE), ***“New Developed CANDLE-standard UHV Flanges with Optimized Knife-Edge Geometry”***

10:10 **10:35** **Viktor Yepremyan** (CANDLE SRI), ***“Coupled Stress-strain Analysis and Fatigue-oriented Thickness Optimization of TI GR-2 Foils”***

10:35 **11:00** **Albert Hovhannisyan** (CANDLE SRI), ***“Extrusion-Based Additive Manufacturing of Copper for Accelerator Systems”***

11:00 **11:30** **COFFEE BREAK**

11:30 **12:00** Bagrat Grigoryan (CANDLE), Klaus Floettmann (DESY), Alberto Bacci (INFN),
“(Discussions, Closing Session, impressions, conclusions, thanks, etc.)”

12:00 **13:00** **Tour to AREAL and Laboratories**

13:00 **13:30** **Bus to Hotel**