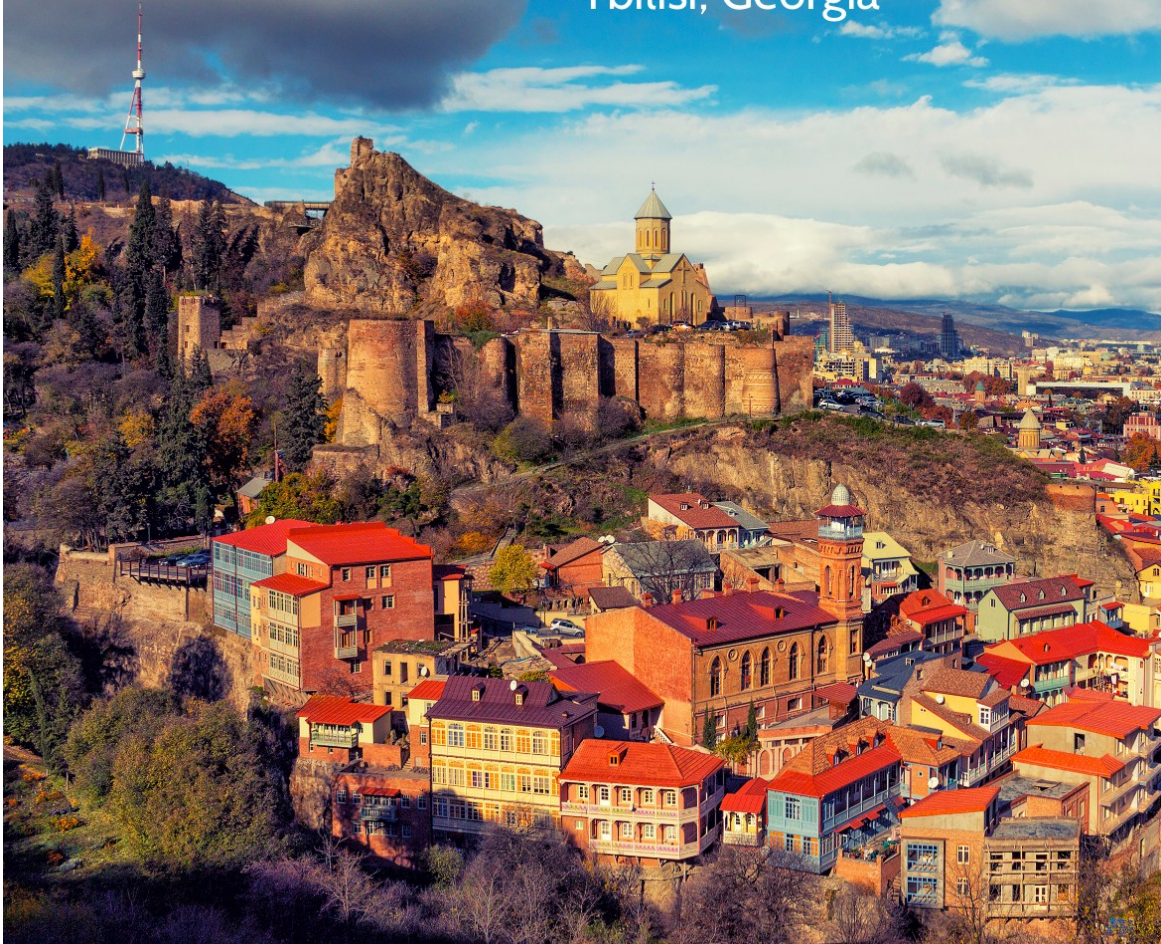


ATLAS TileCal Week

1-5 October 2018
Tbilisi, Georgia



International conference "ATLAS Detector Tile Calorimeter Week"

Co-chairs:

George Sharvashidze | TSU (GE)
Christophe Clement | Stockholm University (SE)
Oleg Solovyanov | CERN & NRC KI - IHEP, Protvino (RU)
Henric Wilkens | CERN

Scientific committee:

Irakli Minashvili | TSU, Tbilisi & JINR, Dubna
Jemal Khubua | TSU (GE)
Mikheil Nioradze | TSU (GE)
Edisher Tskhadadze | TSU (GE)

Working committee:

Gela Devidze | TSU (GE)
Tamar Djobava | TSU (GE)
Archil Durglishvili | TSU (GE)
Tamar Zakareishvili | TSU (GE)

Sponsored by:

Tbilisi State University
High Energy Physics Institute of TSU
Shota Rustaveli National Science Foundation of Georgia

tilecal-week.tsu.ge



Program

October, 01

ATLAS TileCal Week

09:00 – 09:30 Registration

09:30 – 10:00 Welcome speech

Jemal Khubua (Iv. Javakishvili Tbilisi State University)

10:00 – 10:30 TileCal - LS2 plans

Stanislav Nemecek (Acad. of Sciences of the Czech Rep. (CZ))

Irakli Minashvili (TSU, Georgia & Joint Institute for Nuclear Research (RU))

Oleg Solovyanov (IHEP (RU))

Coffee Break

11:00 – 11:30 Test beam Analysis – Measurements at the next TB Oct-Nov 2018

Tamar Zakareishvili (HEPI TSU (Georgia))

11:30 –12:00 PMT block test bench

Irakli Minashvili (TSU, Georgia & Joint Institute for Nuclear Research (RU))

12:30 – 13:30

Lunch

14:00 – 18:00 Half day excursion in the Old Tbilisi

18:00 – 18:30 Coffee Break

18:30 – 19:30 Folklore concert at TSU

October, 02

ATLAS TileCal Week

Phase II Convener(s): Christophe Clement

09:00 – 09:30 Opening ceremony

09:30 – 09:45 TileCal phase-II upgrade - introduction

Alberto Valero Biot (Univ. of Valencia and CSIC (ES)),

Christophe Clement (Stockholm University (SE))

09:45 – 10:05 LVPS Progress in South Africa

Bruce Mellado Garcia (University of the Witwatersrand),

Charles John Sandrock (University of the Witwatersrand (ZA))

10:05 – 10:25 Supply voltage and temperature control for the PMT blocks with the HVopto

Ioan Bogdan Belean (Nat.Inst.for Research & Development of Isotopic and Molecular T)

Coffee Break

Phase II Convener(s): Christophe Clement

11:00 – 11:15 LVPS Developments by UTA
Seyedali Moayedi (University of Texas at Arlington (US))

11:15 – 11:30 Status report on FEB production
Romain Madar (Université Clermont Auvergne (FR)),

11:30 – 11:45 Status of HV active dividers production at ITIM CLUJ-NAPOCA
Gheorghe-Sergiu Pogacian (Nat.Inst.for Research & Development of Isotopic and Molecular T)

11:45 – 12:00 Systematics studies for PMT robustness measurements with the Pisa test bench
Vassili Kazanin (Budker Institute of Nuclear Physics (RU))

12:00 – 12:15 PMT Qualification test benches for Phase-II PMT replacement
Fabrizio Scuri (I.N.F.N. - Sezione di Pisa (IT)),

12:30 – 14:00 Lunch

Phase II Convener(s): Oleg Solovyanov

14:30 – 14:40 Tile Phase-2 Simulation activities
Pavel Starovoitov (Ruprecht Karls Universitaet Heidelberg (DE)),

14:45 – 15:00 Tile Electronics: Main Board Status
Fukun Tang (University of Chicago (US)),
Sidney Mau (University of Chicago (US)),
Kelby Anderson (University of Chicago (US)),
Mark Oreglia (University of Chicago (US))

15:05 – 15:20 Status report on the Daughter Boards
Christian Bohm (Stockholm University (SE)),
Eduardo Valdes Santurio (Stockholm University (SE)),
Samuel Silverstein (Stockholm University (SE))

14:25 – 15:40 Cesium system
Nick Shalanda (Institute for High Energy Physics (RU))

15:45 – 16:30 Tile PreProcessor Status
Alberto Valero Biot (Univ. of Valencia and CSIC (ES)),
Fernando Carrio Argos (Univ. of Valencia and CSIC (ES))

16:00 – 16:20 Coffee Break

Phase II Convener(s): Oleg Solovyanov

- 16:20 – 16:35 TDAQi@Heidelberg, current status and plans**
Pavel Starovoitov (Ruprecht Karls Universitaet Heidelberg (DE))
- 16:40 – 16:50 Status of the FELIX system in the test-beam setup**
Francisco Brandan Garcia Aparisi (Univ. of Valencia and CSIC (ES))
- 17:00 – 17:15 High Voltage power supplies**
Agostinho Da Silva Gomes (LIP Laboratorio de Instrumentacao e Fisica Experimental de Part)
- 17:20 – 17:35 Drawer mechanics and Tooling system**
Gabriel Popeneciu (Nat.Inst.for Research & Development of Isotopic and Molecular T)

***October, 03* Excursion to Kakheti**

***October, 04* ATLAS TileCal Week**

Phase I Convener(s): Andy White

- 09:00 – 09:30 Cryostat/gap scintillator update for LS2**
Andy White (MSU/UTA (USA)),
Joey Huston (MSU/UTA (USA))
- 09:30 – 10:00 Fibers for E3/E4 raplacement**
Joao Gentil Saraiva (On behalf of the TileCal/ATLAS Lisbon Team, LIP, (Portugal)),
- 10:00 – 10:30 MBTS FOR RUN II**
Jalal Abdallah (University of Texas at Arlington (US)),
Oleg Solovyanov (IHEP (RU))

Coffee Break

Test Beams Convener(s): Andy White

- 11:00 – 11:30 Study of energy response to hadrons of energies from 16 to 30 GeV**
Tigran Mkrtchyan (AANL, (Armenia))
Claudio Santoni (Clermont-Ferrand, (France))

12:00 – 13:30 Lunch

Maintenance and Operation Convener(s): Irakli Minashvili

- 13:30 – 14:00 Tile Operations Report**

Rachel Christine Rosten (The Barcelona institute of science and technology(Spain)),

- 14:00 – 14:20 Operations during long shutdown 2**
Henric Wilkens (CERN (Switzerland))
Jalal Abdallah (University of Texas at Arlington (US)),
- 14:20 – 14:40 DCS Status report**
Miguel F. Medeiros & Filipe Martins (LIP (Portugal)),
- 14:40 – 15:00 PMT Scans and L1 Calo Studies**
Kathryn Chapman, Andrew Smith (University of Chicago (US))
- 15:35 – 15:55 Coffee Break**
- 16:00 Institutes Board**

***October, 05* ATLAS TileCal Week**

Software Convener(s): Siarhei Harkusha, Alexander Solodkov

- 09:00 – 09:20 TileCal offline software news**
Alexander Solodkov ((Institute for High Energy Physics (RU)),
Siarhei Harkusha (Institute of Physics, Minsk)
- 09:20 – 09:40 Tile conditions Database status and Robot update**
Yuri Smirnov (Northern Illinois University (US))),
- 09:40 – 10:00 Status of AthenaMT migration**
Siarhei Harkusha (Institute of Physics, Minsk)
- 10:00 – 10:20 Data Quality**
Tibor Zenis (Comenius University (SK))
- 10:20 – 10:40 New Tile-in-One**
Juraj Smiesko (Comenius University (SK)),
Sofiia Hyrych (Comenius University (SK))

Coffee Break

Calibration and Performance Convener(s): Pawel Jan Klimek , Arely Cortes Gonzalez

- 11:00 – 11:20 Tile Calometer Calibration, Data preparation and Performance**
Pawel Jan Klimek (Northern Illinois University (US))

11:20 – 11:40 Cesium Calibration status
Alexander Solodkov for IHEP (Protvino team))

11:40 – 12:00 TileCal Combined Calibration
Arely Cortes Gonzalez (CERN)

12:00 – 12:20 Timing Studies
Krystsina Petukhova (Charles University (CZ))

13:00 – 14:00 Lunch

Performance Convener(s): Arely Cortes Gonzalez

14:30 – 15:00 Charge Injection System (CIS)
Kathryn Meredith Chapman (University of Chicago (US))

15:00 – 15:30 Tile Luminosity
Sergio Gonzalez Fernandez (The Barcelona Institute of Science and Technology (BIST) (ES))

15:30 – 15:50 Coffee Break

Performance

15:50 – 16:10 WIENER FILTER STUDIES TILECAL E4 CELL CASE
Bernardo Sotto-Maior Peralva (Juiz de Fora Federal University (BR))

16:10 Closing remarks