

Swiss Days of the CTA Observatory 2024



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome from the CSCS Representative

Monday 7 October 2024 13:30 (10 minutes)

Presenter: Dr DE LORENZI, Michele (ETH Zurich / CSCS)

Contribution ID: 2

Type: **not specified**

Introduction from the vice-Rector of UNIGE

Monday 7 October 2024 13:40 (10 minutes)

Presenter: Prof. CASTELLTORT, Sébastien (UNIGE)

Contribution ID: 3

Type: **not specified**

The Science of CTAO and its execution during operation, results of first data challenge

Presenter: ZANIN, roberta (CTAO)

Session Classification: Introduction to CTAO and its status

Contribution ID: 4

Type: **not specified**

Status of CTAO

Presenter: Dr MCMULDROCH, Stuart (CTAO)

Session Classification: Introduction to CTAO and its status

Contribution ID: 5

Type: **not specified**

Status of the Large Size Telescopes of CTAO

Monday 7 October 2024 15:00 (30 minutes)

Presenter: MAZIN, Daniel

Session Classification: The Large Size Telescopes of CTAO

Contribution ID: 7

Type: **not specified**

CTAO Computing: status and plan

Monday 7 October 2024 16:10 (45 minutes)

Presenter: Mr OYA, Igor (CTAO)

Session Classification: CTAO Software and Off site Data Centre

Contribution ID: 12

Type: **not specified**

Achieved milestones on LST Engineering and outlook

Monday 7 October 2024 15:30 (20 minutes)

Presenter: DELLA VOLPE, Domenico (Université de Genève)

Session Classification: The Large Size Telescopes of CTAO

Contribution ID: 13

Type: **not specified**

ACADA Milestones and outlook

Monday 7 October 2024 16:55 (20 minutes)

Presenter: LYARD, Etienne

Session Classification: CTAO Software and Off site Data Centre

Contribution ID: **14**

Type: **not specified**

DPPS Interfaces and Calibration Pipeline Status and Plans

Tuesday 8 October 2024 09:30 (30 minutes)

Presenter: Dr DALCHENKO, Mykhailo (University of Geneva)

Session Classification: Activities in 2021-2024

Contribution ID: 15

Type: **not specified**

Milestones and outlook on DPPS Bulk Archive

Tuesday 8 October 2024 10:20 (25 minutes)

Presenter: HASAN, Syed Anwar Ul (ETHZ)

Session Classification: Activities in 2021-2024

Contribution ID: 16

Type: **not specified**

DPPS Quality Pipe milestones and outlook

Tuesday 8 October 2024 10:45 (20 minutes)

Presenters: Dr BALBO, Matteo; Mr STOLPOVSKIY, Mikhail (Geneva University)

Session Classification: Activities in 2021-2024

Contribution ID: 17

Type: **not specified**

Achieved milestone and outlook on software control

Tuesday 8 October 2024 11:05 (20 minutes)

Presenter: Dr SLIUSAR, Vitalii (University of Geneva)

Session Classification: Activities in 2021-2024

Contribution ID: 20

Type: **not specified**

CSCS plans for SKAO and WLCG in 2025-2028

Monday 7 October 2024 17:45 (10 minutes)

Presenter: FERNANDEZ, Pablo

Session Classification: CTAO Software and Off site Data Centre

Contribution ID: 21

Type: **not specified**

Activities on data challenge

Tuesday 8 October 2024 11:55 (20 minutes)

Presenter: NERONOV, Andrii

Session Classification: Activities with Artificial Intelligence and data challenge participation

Contribution ID: 22

Type: **not specified**

Systematic uncertainty budgets for CTAO

Tuesday 8 October 2024 10:00 (20 minutes)

Presenter: VOUTSINAS, Georgios Gerasimos (CERN)

Session Classification: Activities in 2021-2024

Contribution ID: 23

Type: **not specified**

CTLearn pipeline update and application to high level trigger

Tuesday 8 October 2024 12:15 (20 minutes)

Presenter: MIENER, Tjark (Universite de Geneve (CH))

Session Classification: Activities with Artificial Intelligence and data challenge participation

Contribution ID: 24

Type: **not specified**

Trigger algorithms implemented in hardware accelerators

Tuesday 8 October 2024 14:45 (20 minutes)

Presenters: ABELLAN BETETA, Carlos (University of Zurich (CH)); BEZSHYIKO, Iaroslava (University of Zurich (CH))

Session Classification: Advanced Camera

Contribution ID: 25

Type: **not specified**

Low level triggers for SiPM Advance Camera

Tuesday 8 October 2024 14:25 (20 minutes)

Presenter: Dr BURMISTROV, Leonid (University of Geneva)

Session Classification: Advanced Camera

Contribution ID: 26

Type: **not specified**

Project Status and Design Concept

Tuesday 8 October 2024 13:55 (30 minutes)

Presenter: HELLER, Matthieu (Universite de Geneve (CH))

Session Classification: Advanced Camera

Contribution ID: 27

Type: **not specified**

Digital Photon Counting: The future of light sensing

Tuesday 8 October 2024 15:45 (20 minutes)

Presenters: BILAND, Adrian (Eidgenössische Technische Hochschule Zurich/ETH (ETH)); Mr BERNASCONI, Ermanno

Session Classification: Advanced Camera

Contribution ID: 28

Type: **not specified**

Development of a low-power and high speed pre-amplifying integrated circuit: The FANATIC ASIC

Tuesday 8 October 2024 15:05 (20 minutes)

Presenter: GIANGRANDE, Luca (Universite de Geneve (CH))

Session Classification: Advanced Camera

Contribution ID: 29

Type: **not specified**

Low power FADC development for the LST-SiPM Advanced camera

Tuesday 8 October 2024 15:25 (20 minutes)

Authors: Prof. CHARBON, Edoardo (EPFL); Mr YILDIRIM, Halil Kerim (EPFL)

Presenter: Mr YILDIRIM, Halil Kerim (EPFL)

Session Classification: Advanced Camera

Contribution ID: **30**

Type: **not specified**

Swiss contribution to the LST-South

Monday 7 October 2024 15:50 (20 minutes)

Presenter: ALISPACH, Cyril Martin

Session Classification: The Large Size Telescopes of CTAO

Contribution ID: 32

Type: **not specified**

Resolving to understand

Wednesday 9 October 2024 09:00 (25 minutes)

Presenter: WALTER, Roland (University of Geneva)

Session Classification: Black-hole magnetosphere and jet

Contribution ID: 33

Type: **not specified**

Shock, expansion and external medium

Wednesday 9 October 2024 09:25 (25 minutes)

Presenter: Dr TRAMACERE, Andrea (Université de Genève)

Session Classification: Black-hole magnetosphere and jet

Contribution ID: 34

Type: **not specified**

Shock or reconnection: insights from MWL campaigns

Wednesday 9 October 2024 10:15 (25 minutes)

Presenter: ARBET-ENGELS, Axel Jerome (MPP Munich)

Session Classification: Black-hole magnetosphere and jet

Contribution ID: 35

Type: **not specified**

Jet polarisation across wavelengths

Wednesday 9 October 2024 09:50 (25 minutes)

Presenter: LI, Hancheng

Session Classification: Black-hole magnetosphere and jet

Contribution ID: **36**

Type: **not specified**

SERI remarks

Session Classification: Introduction to CTAO and its status

Contribution ID: 37

Type: **not specified**

SERI remarks

Session Classification: Introduction to CTAO and its status

Contribution ID: **38**

Type: **not specified**

SERI Remarks

Presenter: BERGER, Simon

Contribution ID: 39

Type: **not specified**

The ASTRI intensity interferometer in the context of the CTAO

Tuesday 8 October 2024 16:35 (20 minutes)

Presenter: ZAMPIERI, Luca (INAF Padova)

Session Classification: Stellar Intensity Interometry

Contribution ID: 40

Type: **not specified**

SII capability with the LST cameras

Tuesday 8 October 2024 16:55 (15 minutes)

Presenter: HASSAN, Tarek (CIEMAT)

Session Classification: Stellar Intensity Interometry

Contribution ID: 41

Type: **not specified**

Stellar Intensity Interferometry with NectarCAM on the MSTs-N

Tuesday 8 October 2024 17:10 (15 minutes)

Author: BITEAU, Jonathan (Université Paris Saclay)

Presenter: BITEAU, Jonathan (Université Paris Saclay)

Session Classification: Stellar Intensity Interometry

Contribution ID: 42

Type: **not specified**

Discussion (instrument development)

Tuesday 8 October 2024 17:25 (15 minutes)

Session Classification: Stellar Intensity Interometry

Contribution ID: 43

Type: **not specified**

SII results from VERITAS

Tuesday 8 October 2024 17:40 (15 minutes)

Author: ROSE, Josie (Ohio State University)

Co-author: LISA, Mike (Ohio State University (US))

Presenter: ROSE, Josie (Ohio State University)

Session Classification: Stellar Intensity Interometry

Contribution ID: 44

Type: **not specified**

SII results from HESS

Tuesday 8 October 2024 17:55 (15 minutes)

Presenter: VOGEL, Naomi (ECAP)

Session Classification: Stellar Intensity Interometry

Contribution ID: 45

Type: **not specified**

SII results from MAGIC

Tuesday 8 October 2024 18:10 (15 minutes)

Presenter: KOZIOL, Gilles

Session Classification: Stellar Intensity Interometry

Contribution ID: 46

Type: **not specified**

Discussion (science from precursors)

Tuesday 8 October 2024 18:25 (10 minutes)

Session Classification: Stellar Intensity Interometry

Contribution ID: 47

Type: **not specified**

CTLearn applied to LST real data

Tuesday 8 October 2024 12:35 (20 minutes)

Presenter: LACAVE, Bastien

Session Classification: Activities with Artificial Intelligence and data challenge participation

Contribution ID: 48

Type: **not specified**

Swiss DC highlights for 2022-2024

Monday 7 October 2024 17:15 (10 minutes)

Presenter: HOLANDA, Victor

Session Classification: CTAO Software and Off site Data Centre

Contribution ID: 49

Type: **not specified**

Swiss Off-site DC infrastructure status today

Monday 7 October 2024 17:25 (10 minutes)

Presenter: NERONOV, Andrii

Session Classification: CTAO Software and Off site Data Centre

Contribution ID: 50

Type: **not specified**

Assembly Integration Verification (DPPS - Off-site DC interfaces)

Monday 7 October 2024 17:35 (10 minutes)

Presenter: SAVCHENKO, Volodymyr

Session Classification: CTAO Software and Off site Data Centre

Contribution ID: 51

Type: **not specified**

SERI words

Monday 7 October 2024 13:50 (10 minutes)

Presenter: BERGER, Simon

Contribution ID: 52

Type: **not specified**

CTAO Status and Science

Monday 7 October 2024 14:00 (35 minutes)

Presenter: ZANIN, Roberta (CTAO)

Contribution ID: 53

Type: **not specified**

Excercise 1: Aperture photometry simple spectrum Mrk 501

Wednesday 9 October 2024 11:10 (30 minutes)

Presenter: NERONOV, Andrii

Session Classification: Hands-on section

Contribution ID: 54

Type: **not specified**

Excercise 2: Gammapy 1d spectral analysis for Mrk 501

Wednesday 9 October 2024 11:40 (30 minutes)

Presenter: NERONOV, Andrii

Session Classification: Hands-on section

Contribution ID: 55

Type: **not specified**

Gammapy 3d spectral analysis Mrk 501 with extended emission search

Wednesday 9 October 2024 12:10 (45 minutes)

Presenter: KALASHEV, Oleg

Session Classification: Hands-on section