JACoW Team Meeting 2023

JACoW-Indico Scientific Programme Management

HsinChu, Taiwan

27 November - 1 December 2023

Giulia Vinicola

Scientific Programme for IPAC'23

- 26 Parallel Sessions
- 51 Invited Orals (including Prize, EO, Industry, Outreach, Entertainment)
- 52 Contributed Orals
- 1790 Posters
- 8 MCs and 117 Sub Categories
- SPC Committee of 18 people in total (2 representatives for each MC + chairs)
- 3 SPC Meetings for the programme definition:
  - 30 November-1 December 2021, Venice
  - 17-18 June 2022 at IPAC'22, Bangkok
  - 18-19 January 2023, Deauville

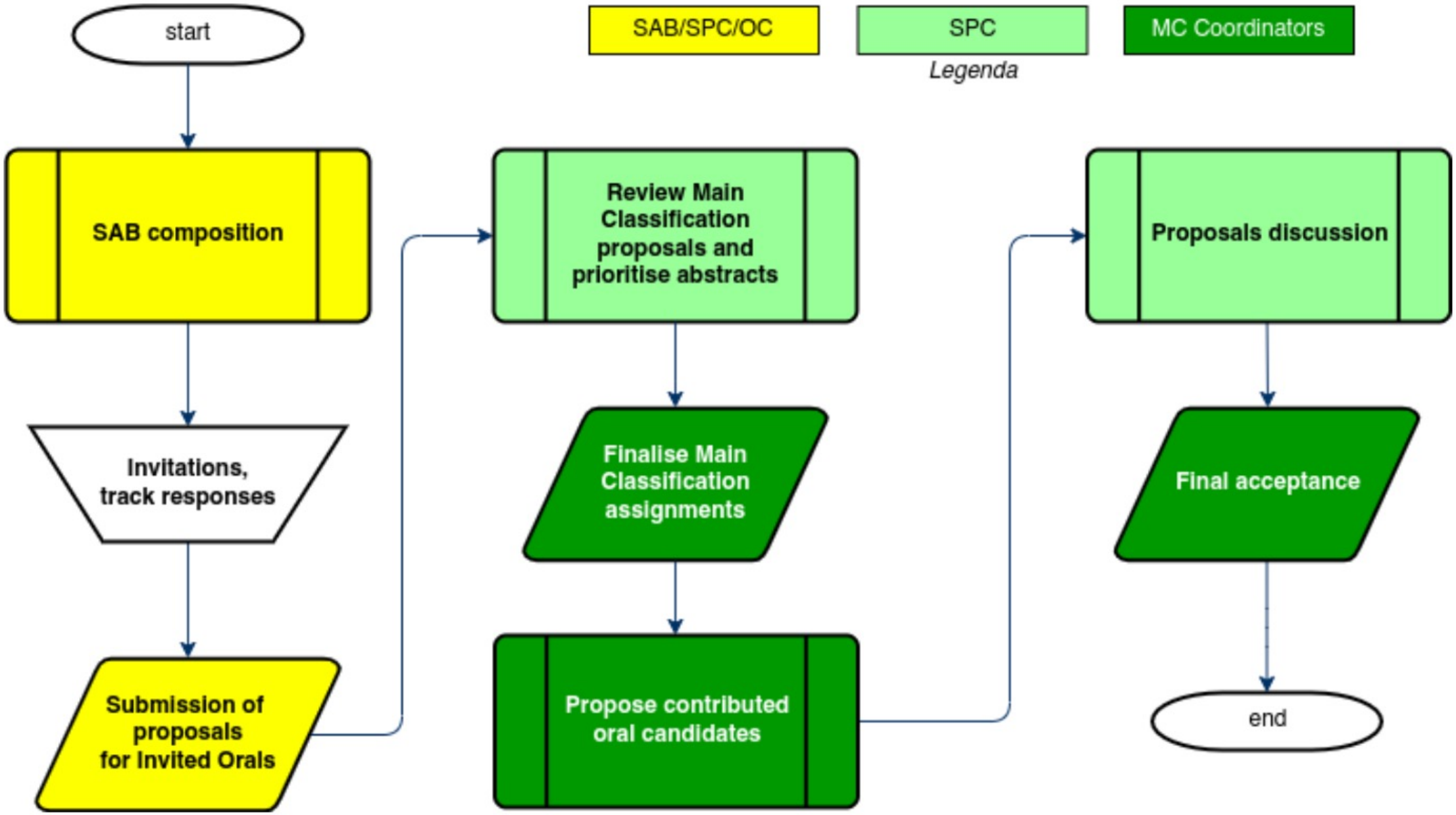
Role of the SPC

- Composed by a Chair and 16 members (8 from the hosting region, 4+4 from the other 2 regions)
- It proposes candidates for the SAB
- It builds the scientific programme defining the MCs and relative subcategories, proposing invited oral talks and selecting the contributed oral presentations together with the OC and SAB
- It shapes the structure of the programme by defining the content and distribution of sessions and talks in the synoptic table

How it started

Definition of MCs

- March 2021: the SAB (Scientific Advisory Board), Organising Committeee (OC) and Scientific Programme Committee (SPC) were asked to submit invited oral proposals - 492 proposals received
- MCs Coordinatiors prioritized the proposals in order to announce their selections at the SPC2 Meeting and discuss with the whole SPC
- Invitation sent to invited speakers
- Opening of the abstract submission for contributed orals and posters


start
SAB/SPC/OC
SPC
MC Coordinators
Legenda
SAB composition
Invitations, track responses
Submission of proposals for Invited Orals
Review Main Classification proposals and prioritise abstracts
Finalise Main Classification assignments
Propose contributed oral candidates
Proposals discussion
Final acceptance
end

OCTOBER 2022

Abstract submission opening

Before Indico Programme construction: The Synoptic table

- The synoptic table is the excel file used by OC chair, SPC chair and the SPC for having a complete overview of the programme structure in order to build it

"Overall status of the HL-LHC project" on Tuesday at 11:00

Checkmate!

Before Indico Programme construction: The Synoptic table

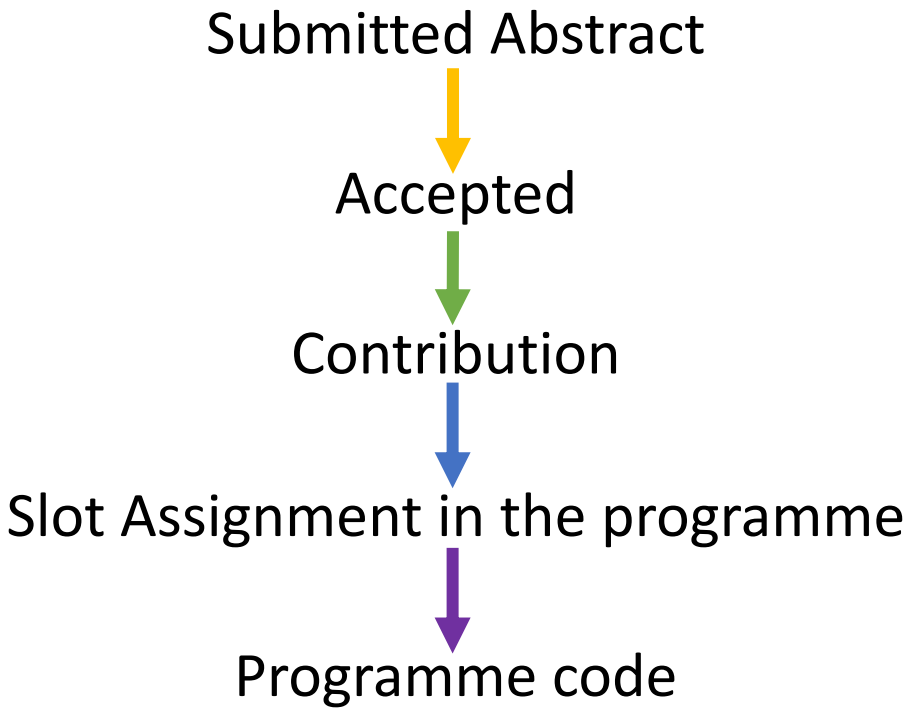
- The synoptic table is the excel file used by OC chair, SPC chair and the SPC for having a complete overview of the programme structure in order to build it
- Main criteria observed: pertinency and equal distribution of the topics, wider speakers nationality representation, gender balance
- Keep it tidy and always updated for better structuring the agenda in Indico!
- Practical for participants as handy general overview

	Sunday 7 May	Monday 8 May 2023		Tuesday 9 May 2023		Wednesday 10 May 2023		Thursday 11 May 2023		Friday 12 May 2023	
		Plenary 1	Plenary 2	Plenary 1	Plenary 2	Plenary 1	Plenary 2	Plenary 1	Plenary 2	Plenary 1	Plenary 2
08:30										Physics and StarWars Carsten Welsch (University of Liverpool)	
09:00		Chair: Ralph Assmann (DESY) **IPAC23 Opening** Ralph Assmann (DESY), 5min		Chair: **J-PARC Operation with the High Repetition Rate Upgrade** Takaaki Yasui (KEK)	Chair: **Arbitrary Bunch Shaping via Wake Potential Tailoring** Yong-Dae Yoon (PAL)	Chair: **Towards a True Diffraction Limited Storage Ring Light Source** Lina Hoummi (ESRF)	Chair: **Treatment of "Forever Chemicals" in Wastewater with Electron Beams** Gianluigi Clovati (ODU)	Chair: **High-Beam Current Operation with a Digital Low-Level Radio Frequency System** Fu-Yu Chang (NSRRC)	Chair: **Towards the COXINEL Seeded FEL with a Laser Plasma Accelerator at HZDR** Marie Emmanuelle Couprie (SOLEIL)	Chair: **Prospects for Future Facilities Based on Energy Recovery Linacs** Peter Williams (STFC)	Chair: **Coherence in High Gain FELs: From Electron Intrabeam Scattering to Quantum Effects** Giovanni Perosa (Univ. Trieste)
09:05		**Local/Political Address** (tbd), 10min									
09:15		**Welcome from INFN** Antonio Zoccoli (INFN President), 15min									
09:30		**Welcome from Elettra** Alfonso Franciosi (Elettra President), 5min								**Timepix and Medipix Detectors and Their Applications** Michael Campbell (CERN)	**Outlook to future XFELs** Dong Wang (Shanghai Advanced Research Institute)
09:35		**Practical Details from LOC** Giovanni Bisoffi (also on stage: A. Fabris), 5min									
09:40											
09:50		**Performance with the Upgraded LHC Injectors** Malika Meddahi (CERN)									
10:00											
10:10										**Quantum Computing and Accelerator Technology** Anna Grasselino (FNAL)	**Commissioning and Operation of the SPIRAL2 SC Linac** Angie ORDUZ (GANIL)
10:20		**Elettra2.0 – Italy's Lightsource for Science and Outreach** Emanuel Karantzoulis (Elettra)									
10:30				Coffee / Tea		Coffee / Tea		Coffee / Tea		Coffee / Tea	
10:40		Coffee/Tea									
11:00				Chair: **Overall Status of the HL-LHC Project** Oliver Brüning (CERN)	Chair: **Fabrication and Testing of Corrugated Waveguides for a Collinear Wakefield Accelerator** Alexander Zholents (ANL)	Chair: **The IFMIF-DONES Facility: A Fusion-Oriented 5 MW Superconducting CW Linear Accelerator** Ivan Podadera (DONES)	Chair: **Two-Dimensional Electron Beam Size Measurements with X-ray Heterodyne Near Field Speckles** Mirko Siano (University of Milan)	Chair: **SRF Cavities for Crabbing at the Electron-Ion Collider** Subashini De Silva (ODU)	Chair: **Completion of FAIR construction: Towards commissioning and First Science** Jörg Blaurock (GSI)	Chair: Peter McIntosh (STFC) **European Collaboration for the Realization of ESS** Andrea Pisent (INFN)	
11:10		Chair: **LCLS-II Commissioning Results** Axel Brachmann (SLAC)									
11:20											
11:30										**Accelerator Driven Systems - A Solution to Multiple Problems of Society** Yuan He (IMP Lanzhou)	
11:40		**IFMIF Beam Commissioning & Future Plans** Kazuo Hasegawa (IFMIF)									
11:50											
12:00										**Accelerators for Particle Physics** Beate Heinemann (DESY)	
12:10		**R&D in Super-conducting RF: Thin-film capabilities as a Game Changer for Future Sustainability** Claire Antoine (CEA)									
12:20											
12:30										**IPAC23 SPC Chair Closing Remarks** Peter McIntosh (STFC), 15min	
12:40											
12:45		**LUNCH** (12:45 - 14:30)		**LUNCH** (12:30 - 14:30)		**LUNCH** (12:30 - 14:30)		**LUNCH** (12:30 - 14:30)		**IPAC24 Presentation** Fulvia Pilat (ORNL), 10min	
12:55										**IPAC23 Closing** Ralph Assmann (DESY), 5min	
14:00										***ADJOURN 13:00*** *- End of IPAC23*	
14:30		Chair: **Delivering Beams and Understanding their Dynamics at Test Facilities** Deepa Angal-Kalinin (STFC)	Chair: **First FEL Gain Based on a Laser Wakefield Accelerator** Wentao Wang (Chinese Academy of Sciences)	Chair: Industrial Session	Chair: **Superconducting Undulators for Future Light Sources** Marco Calvi (PSI)	Chair: **Accelerator Physics Challenges for EIC** Mike Blaskiewicz (BNL)	Chair: **Recent Progress in High Temperature Superconductor Magnet Technology** Seungyong Hahn (Seoul National University)	Chair: Mike Seidel (PSI)			
14:40											
14:50											
15:00	Student POSTER Session Location: Exhibition Area (14:00 - 18:00)	**Predicting Collective Dynamics and Instabilities in Storage Ring Light Sources** Ryan Lindberg (ANL)	**EuPRAXIA and its Italian Construction Project** Massimo Ferrario (INFN)		**Towards the Sub-Ångström Regime at EuXFEL: Simulations and First Experimental Results** Frank Brinker (DESY)	The Cool Copper Collider (C3) Concept for a Higgs Factory Emilio Nanni (SLAC)	**The Short Model Program of Nb3Sn Quadrupoles for the HiLumi LHC and its Potential** Paolo Ferracin (LBNL)	**Prize Session** (4x20')			
15:10											
15:20											
15:30		Chair:	Chair:		Chair:	Chair:	Chair:				
15:40											
15:50								Entertainment Session **Science Applied to Sailing** Luna Rossa Team Expert			
16:00											
16:10											
16:20											
16:30		Coffee / Tea		Coffee / Tea		Coffee / Tea		Coffee / Tea			
18:30	Welcome Reception (until 20:00)	**POSTERS (16:30 - 18:30)**		**POSTERS (16:30 - 18:30)** **Conference Cocktail Reception** (19:00 - 22:00)		**POSTERS (16:30 - 18:30)** **Equal Opportunity Session** (18:30 - 19:30)		**POSTERS (16:30 - 18:30)** **Conference Banquet** (19:30 - 00:00)			

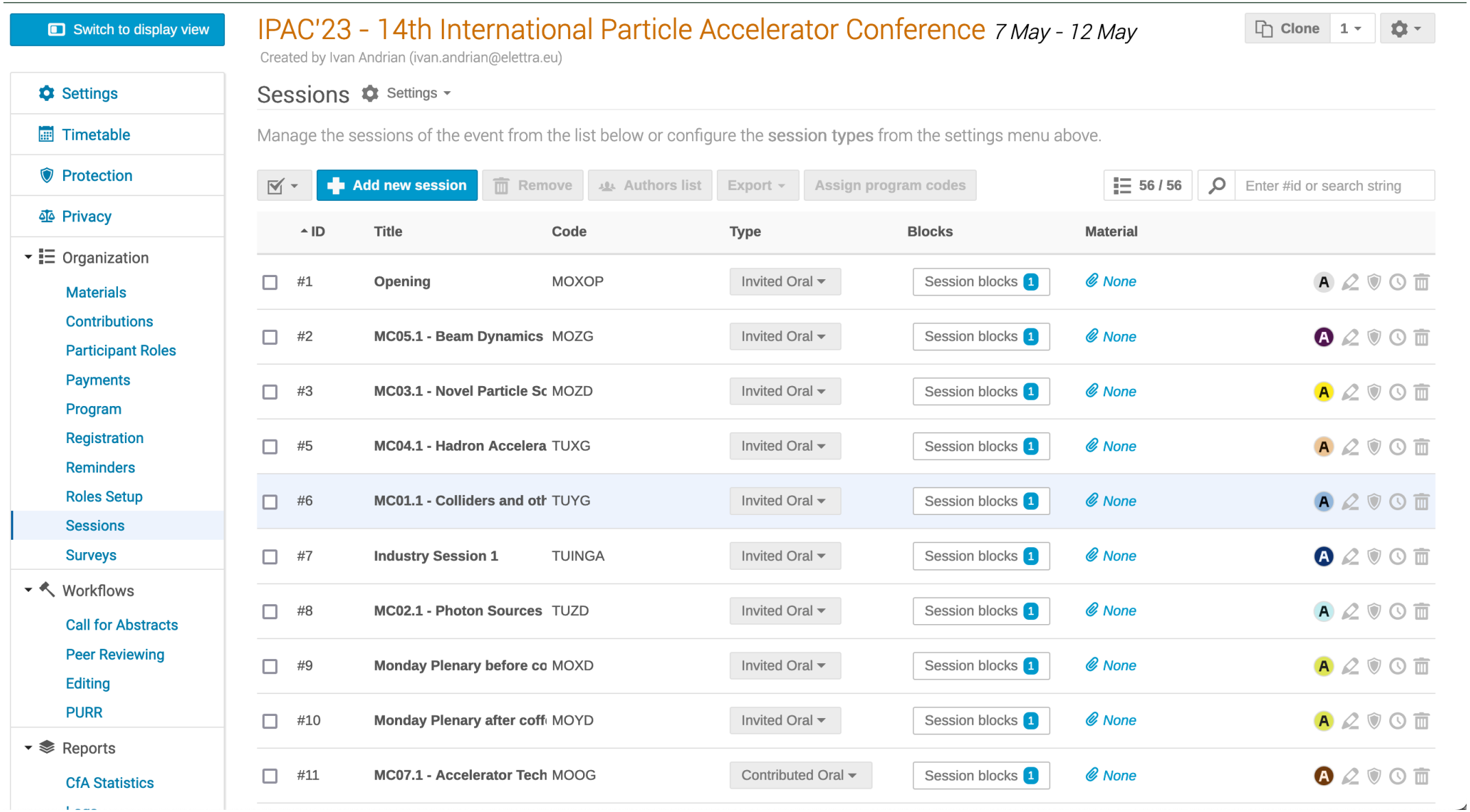
MC01 - Colliders and other Particle Physics Accelerators
MC02 - Photon Sources and Electron Accelerators
MC03 - Novel Particle Sources and Acceleration Techniques
MC04 - Hadron Accelerators
MC05 - Beam Dynamics and Electromagnetic Fields
MC06 - Beam Instrumentation, Controls, Feedback & Operational Aspects
MC07 - Accelerator Technology and Sustainability
MC08 - Applications of Accelerators, Technology Transfer and Industrial Relations and Outreach
MC09 - Engagement with Industry, Knowledge Exchange and Industrial Relations
Opening, Closing and Special Presentations
Plenaries
Prizes

From abstract to contribution

Once the SPC defines the abstract as *Invited / Contributed Oral / Poster Presentation*, it converts into ”Contribution” in the system



Sessions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IPAC'23 - 14th International Particle Accelerator Conference 7 May - 12 May
Created by Ivan Andrian (ivan.andrian@elettra.eu)
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Timetable
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Privacy
Organization
Materials
Contributions
Participant Roles
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#2 MC05.1 - Beam Dynamics MOZG Invited Oral Session blocks 1 None
#3 MC03.1 - Novel Particle Sc MOZD Invited Oral Session blocks 1 None
#5 MC04.1 - Hadron Accelera TUXG Invited Oral Session blocks 1 None
#6 MC01.1 - Colliders and oth TUYG Invited Oral Session blocks 1 None
#7 Industry Session 1 TUINGA Invited Oral Session blocks 1 None
#8 MC02.1 - Photon Sources TUZD Invited Oral Session blocks 1 None
#9 Monday Plenary before co MOXD Invited Oral Session blocks 1 None
#10 Monday Plenary after coff MOYD Invited Oral Session blocks 1 None
#11 MC07.1 - Accelerator Tech MOOG Contributed Oral Session blocks 1 None

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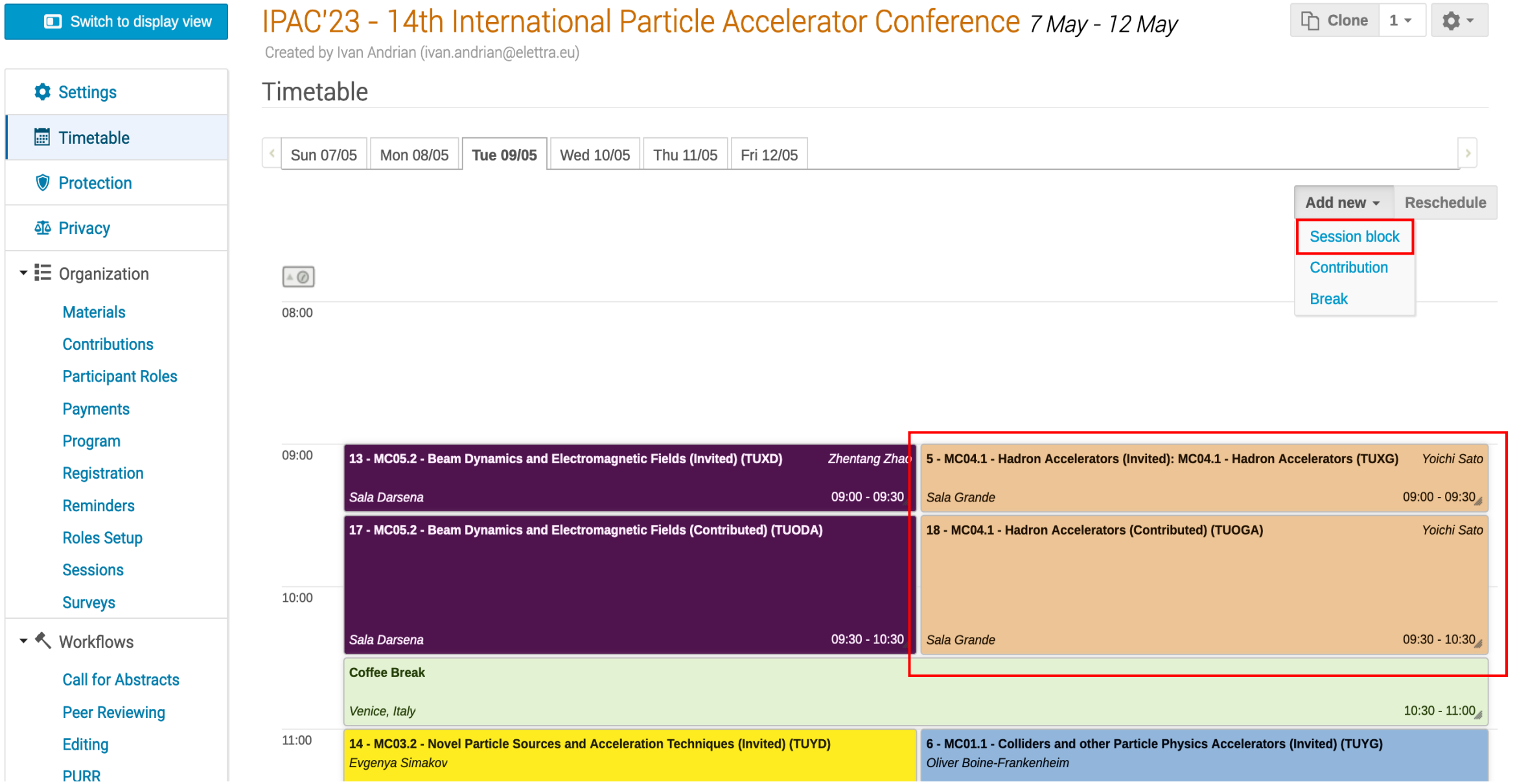

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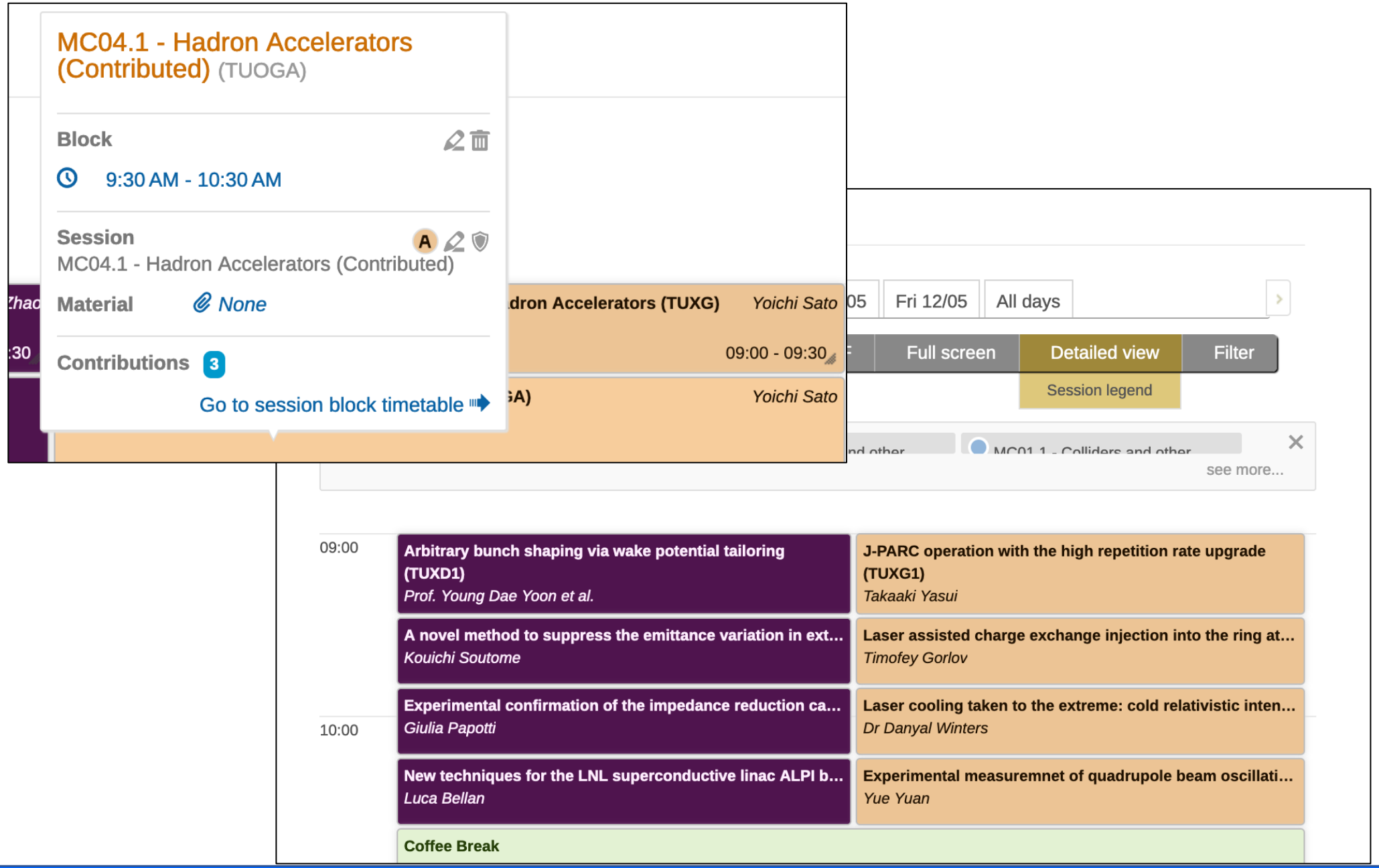
Blocks


MC04.1 - Hadron Accelerators (Contributed) (TUOGA)
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MC04.1 - Hadron Accelerators (Contributed)
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None
Contributions
3
Go to session block timetable
dron Accelerators (TUXG)
Yoichi Sato
09:00 - 09:30
Yoichi Sato
Fri 12/05
All days
Full screen
Detailed view
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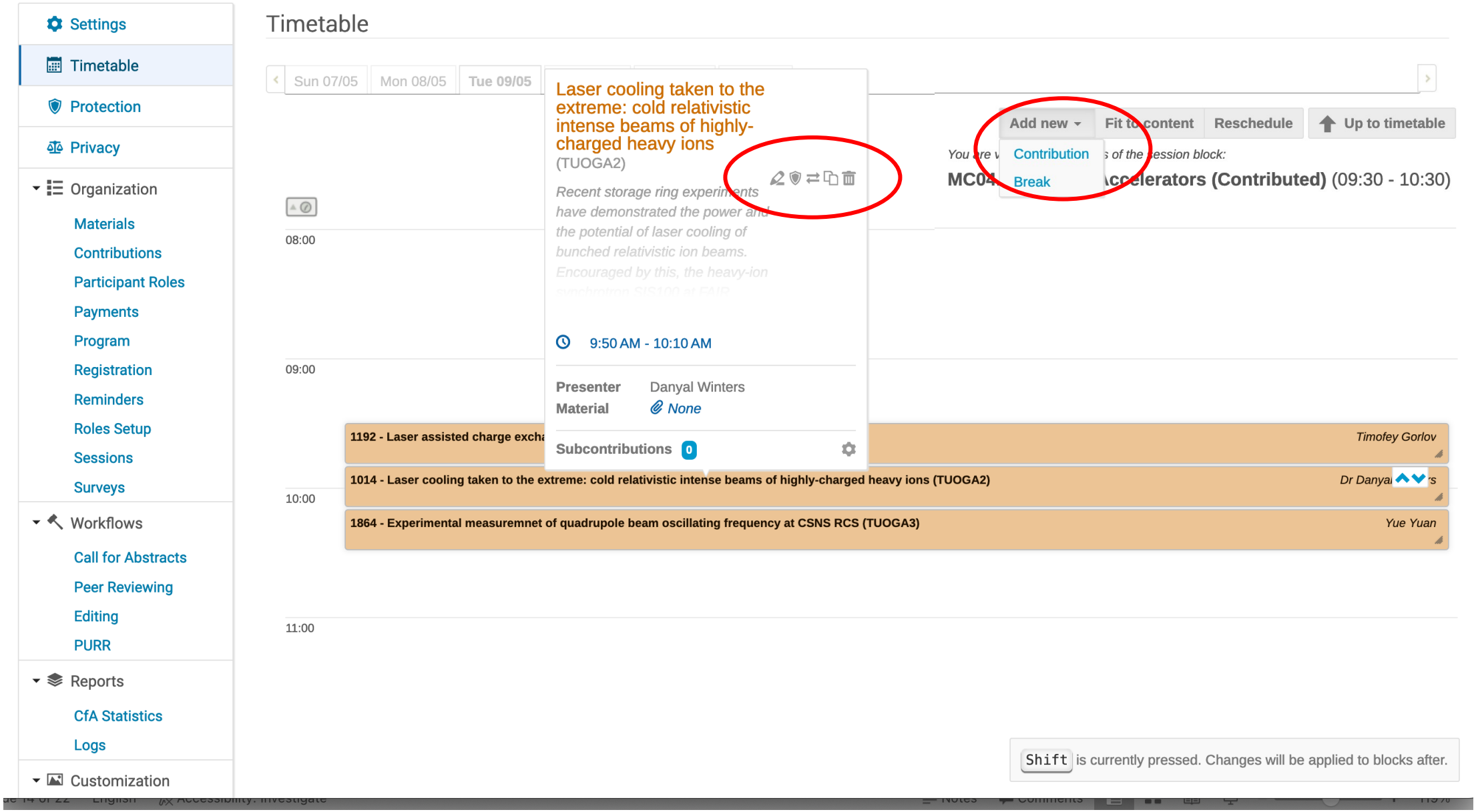
Session legend
see more...
09:00
Arbitrary bunch shaping via wake potential tailoring (TUXD1)
Prof. Young Dae Yoon et al.
J-PARC operation with the high repetition rate upgrade (TUXG1)
Takaaki Yasui
A novel method to suppress the emittance variation in ext...
Kouichi Soutome
Laser assisted charge exchange injection into the ring at...
Timofey Gorlov
Experimental confirmation of the impedance reduction ca...
Giulia Papotti
10:00
Laser cooling taken to the extreme: cold relativistic inten...
Dr Danyal Winters
New techniques for the LNL superconductive linac ALPI b...
Luca Bellan
Experimental measuremnet of quadrupole beam oscillati...
Yue Yuan
Coffee Break

Talks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Timetable
Sun 07/05
Mon 08/05
Tue 09/05
Laser cooling taken to the extreme: cold relativistic intense beams of highly-charged heavy ions
(TUOGA2)
Recent storage ring experiments have demonstrated the power and the potential of laser cooling of bunched relativistic ion beams. Encouraged by this, the heavy-ion
9:50 AM - 10:10 AM
Presenter Danyal Winters
Material None
Subcontributions 0
Add new
Contribution
Break
Fit to content
Reschedule
Up to timetable
MC04
Accelerators (Contributed) (09:30 - 10:30)
08:00
09:00
10:00
11:00
1192 - Laser assisted charge
Timofey Gorlov
1014 - Laser cooling taken to the extreme: cold relativistic intense beams of highly-charged heavy ions (TUOGA2)
1864 - Experimental measuremnet of quadrupole beam oscillating frequency at CSNS RCS (TUOGA3)
Yue Yuan
Shift is currently pressed. Changes will be applied to blocks after.

JACoW

Talks

Transverse deflecting cavities for short X-ray pulses at Elettra 2.0

MOPA163
May 8, 2023, 4:30 PM
2h
Salone Adriatico

Poster Presentation | MC2.A05: Synchrotr... | Monday Poster Session

Speaker

Simone Di Mitri (Elettra-Sincrotrone ...

Description

We investigate the upgrade of Elettra 2.0 to radio-frequency transverse deflecting cavities generating a steady-state vertical deflection of selected electron bunches. The study demonstrates the feasibility of 1 to few ps-long x-ray pulses at MHz repetition rate provided simultaneously to several beamlines, and transparent to the standard multi-bunch operation. The short pulse exhibits total flux at 1-10% level of the standard single bunch emission, and transverse coherence preserved in both transverse planes up to approximately 0.5 keV.

I have read and accept the Privacy ... Yes
Abstract QA Yes

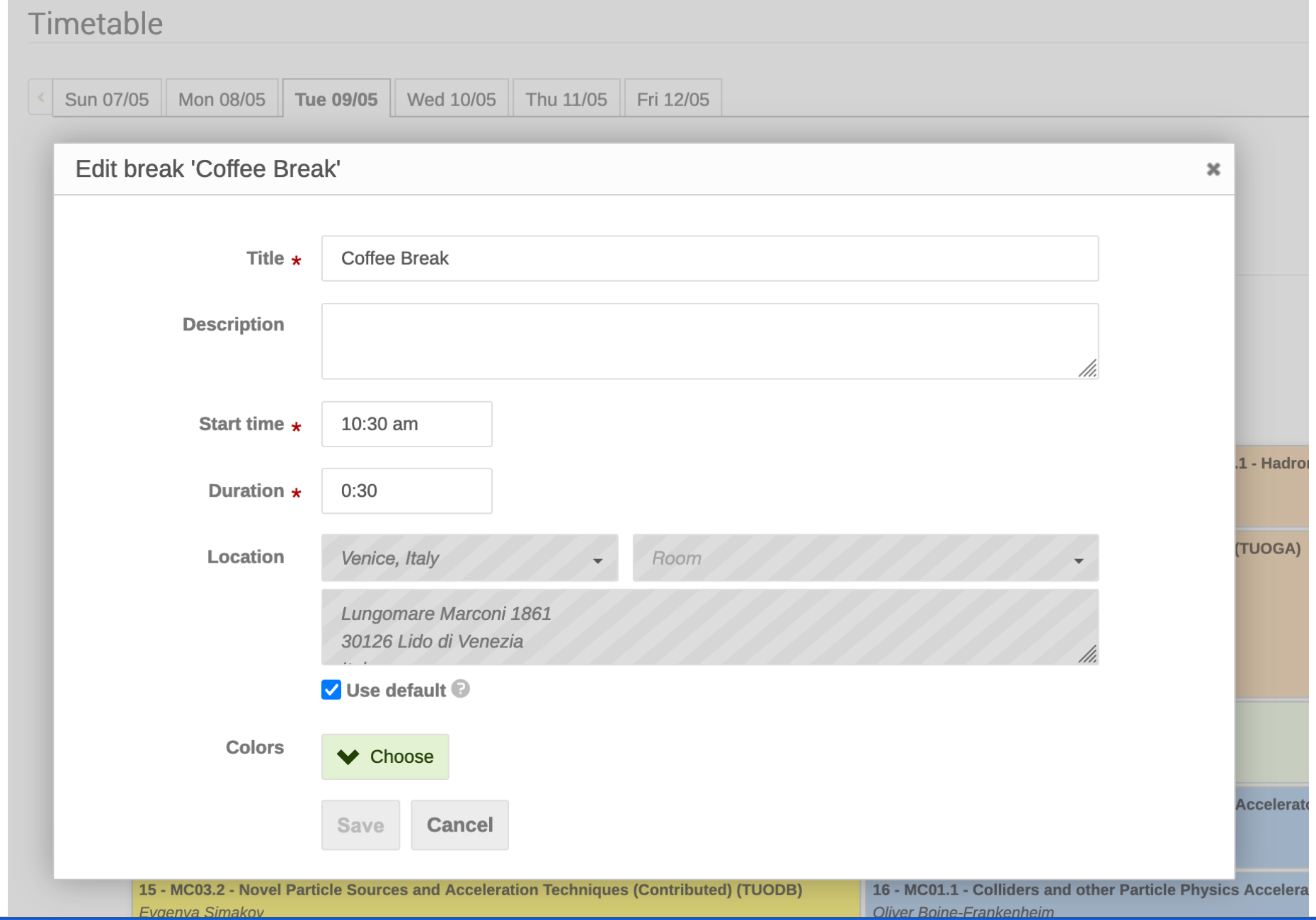
Primary author

Simone Di Mitri (Elettra-Sincrotrone ...

Co-authors

Matteo Altissimo (Elettra-Sincrotrone ...
Anna Bianco (Elettra-Sincrotrone ...
Stefano Cleva (Elettra-Sincrotrone ...
Sara Dastan (Elettra-Sincrotrone ...

Breaks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Thu 11/05
Fri 12/05
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15 - MC03.2 - Novel Particle Sources and Acceleration Techniques (Contributed) (TUODB)
Evgenya Simakov
16 - MC01.1 - Colliders and other Particle Physics Accelera
Oliver Boine-Frankenheim

One Programme, many shapes

Timetable

Sun 07/05 | Mon 08/05 | **Tue 09/05** | Wed 10/05 | Thu 11/05 | Fri 12/05 | All days

Print | PDF | Full screen | Detailed view | Filter

09:00

MC05.2 - Beam Dynamics and Electromagnetic Fields (Invited) (TUXD)
Zhentang Zhao

MC04.1 - Hadron Accelerators (Invited): MC04.1 - Hadron Accelerators (TUXG)
Yoichi Sato

MC05.2 - Beam Dynamics and Electromagnetic Fields (Contributed) (TUODA)
Sala Darsena 09:30 - 10:30

MC04.1 - Hadron Accelerators (Contributed) (TUOGA)
Yoichi Sato
Sala Grande 09:30 - 10:30

10:00

Coffee Break
Venice, Italy 10:30 - 11:00

11:00

MC03.2 - Novel Particle Sources and Acceleration Techniques (Invited) (TUYD)
Evgenya Simakov

MC01.1 - Colliders and other Particle Physics Accelerators (Invited) (TUYG)
Oliver Boine-Frankenheim

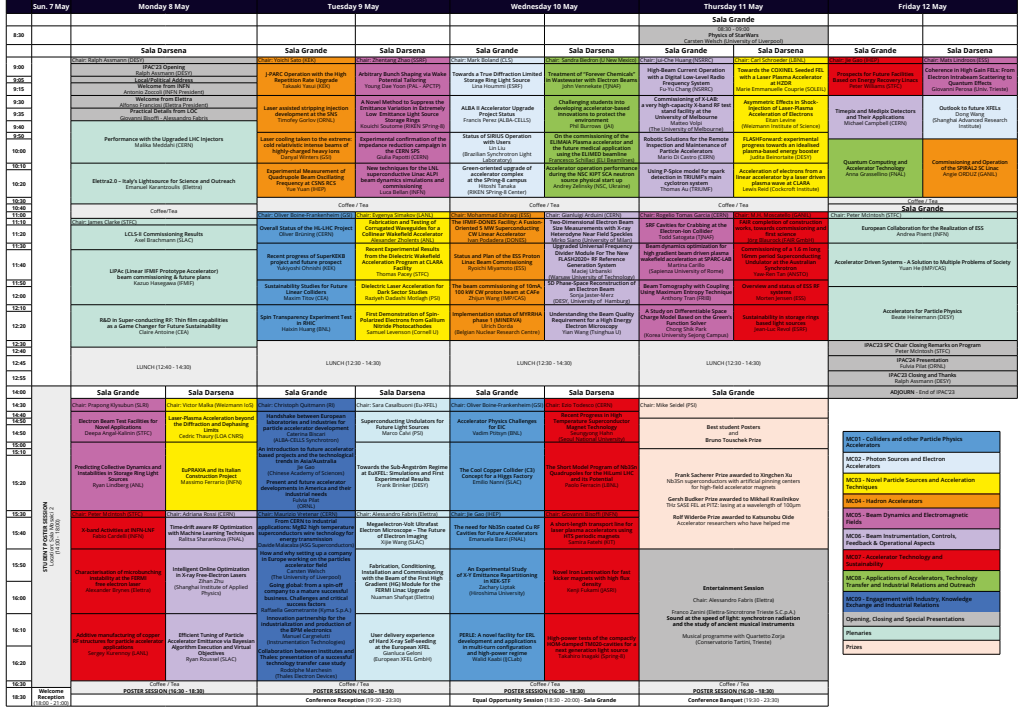
MC03.2 - Novel Particle Sources and Acceleration Techniques (Contributed) (TUODB)
Evgenya Simakov
Sala Darsena 11:30 - 12:30

MC01.1 - Colliders and other Particle Physics Accelerators (Contributed) (TUOGB)
Oliver Boine-Frankenheim
Sala Grande 11:30 - 12:30

12:00

Lunch Break

13:00



Overview | Sun, 07 May | Mon, 08 May | **Tue, 09 May** | Wed, 10 May | Thu, 11 May | Fri, 12 May

Chair: Zhentang Zhao
MC05.2 - Beam Dynamics and Electromagnetic Fields (Invited)
09:00 - 09:30 — TUXD

Chair: Yoichi Sato
MC04.1 - Hadron Accelerators (Invited): MC04.1 - Hadron Accelerators
09:00 - 09:30 — TUXG

MC05.2 - Beam Dynamics and Electromagnetic Fields (Contributed)
09:30 - 10:30 — TUODA

Chair: Yoichi Sato
MC04.1 - Hadron Accelerators (Contributed)
09:30 - 10:30 — TUOGA

10:30 - 11:00 — *Coffee Break*

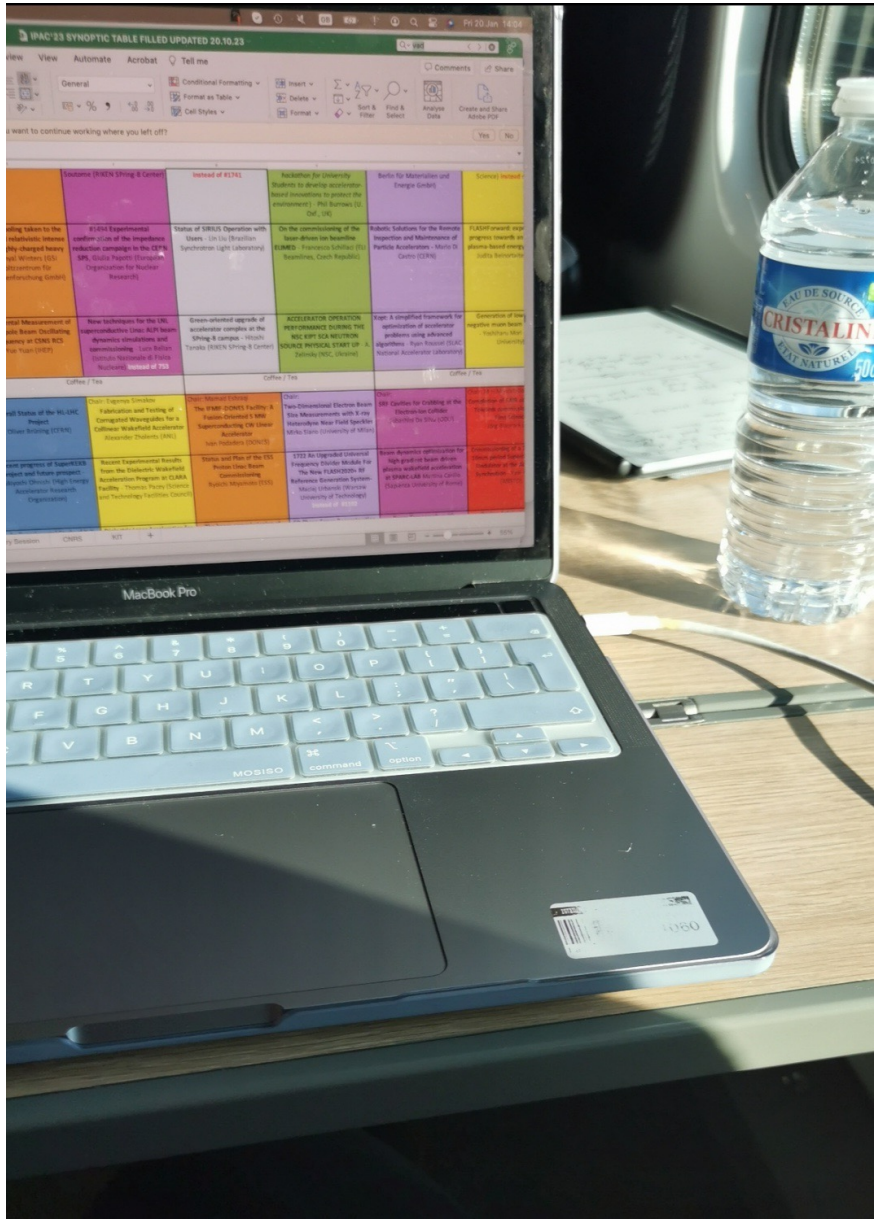
Chair: Evgenya Simakov
MC03.2 - Novel Particle Sources and Acceleration Techniques (Invited)
11:00 - 11:30 — TUYD

Chair: Oliver Boine-Frankenheim
MC01.1 - Colliders and other Particle Physics Accelerators (Invited)
11:00 - 11:30 — TUYG

11:00 — Oliver Brüning - European Organization for Nuclear Research
Overall status of the HL-LHC project — TUYG1

Chair: Evgenya Simakov
MC03.2 - Novel Particle Sources and Acceleration — TUODB

Chair: Oliver Boine-Frankenheim
MC01.1 - Colliders and other Particle Physics Accelerators — TUOGB


IPAC'23 SYNOPTIC TABLE FILLED UPDATED 20.10.23
MacBook Pro
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Thank you!