

AGENDA

2ND HARMONLIP WORKSHOP

MONDAY, 18 MARCH 2024

	Location: ESRF Central Building
18:00	Welcome Cheese & Wine

TUESDAY, 19 MARCH 2024

	Room: ESRF Auditorium
08:30	Welcome and introduction – J Jacob, ESRF
	Project Overview
08:40	Double RF System (fundamental + harmonic) for SOLEIL-II – M Diop, SOLEIL (REMOTE)
09:05	Third Harmonic System Status for ALBA and ALBA-II – J Ocampo, CELLS-ALBA Synchrotron
09:30	Status of a Triple RF System for the MAX IV Rings – A Andersson, MAX IV Laboratory, Lund University (REMOTE)
09:55	KEK Project status – N Yamamoto, KEK
10:20	Coffee break and Photo – ESRF Central Building, Entrance Hall
	Beam Dynamics
10:50	Equilibrium Bunch Distributions with an Active 4th Harmonic Cavity – L Carver, ESRF
11:15	Harmonic Cavity Simulations using the RF Feedback – A Gamelin, Synchrotron SOLEIL
11:40	Experimental Documentation of the Mode-1 Instability driven by Landau Cavities – F Cullinan, MAX IV Laboratory
12:05	Lunch – Guest dining room, Onsite restaurant
	Beam Dynamics
14:00	Bunch Lengthening Affected by the Short Range Effect of Resonant Modes in RF Cavities – T He, NSRL USTC
14:25	Predictions of slow longitudinal mode-1 instability in storage rings with harmonic cavities – M Alves, LNLS (REMOTE)
14:50	Third Harmonic Active EU-HOM damped cavity commissioning results – P Solans, CELLS - ALBA Synchrotron
15:15	Discussion
15:45	Coffee break – ESRF Central Building, Entrance Hall
	Project Overview
16:05	Discussion on EU Collaboration – P Fernandes Tavares, MAX IV Laboratory (REMOTE)
16:45	APS-U Commissioning Update – TBC (REMOTE)
19:30	Workshop Dinner – ‘Chez Marius’ restaurant, Grenoble

WEDNESDAY, 20 MARCH 2024

	Room: ESRF Auditorium
	Engineering R&D
09:00	Development of a Single Mode Cavity for the Third Harmonic RF-System of PETRA-IV – P Hülsmann, DESY
09:25	4 th Harmonic Cavities in TM020 for ESRF-EBS and SOLEIL-II – A D’Elia, ESRF
09:50	Superconducting RF transverse deflecting cavities for short x-ray pulses at Elettra 2 – Simone Di Mitri, Elettra Sincrotrone Trieste (REMOTE)
10:15	Development of the 3.5 Harmonic Cavities at Helmholtz-Zentrum Berlin – A Tsakanian, Helmholtz-Zentrum Berlin
10:40	Coffee break – ESRF Central Building, Entrance Hall
11:00	Facility visit
12:00	End of workshop