



# Seattle Snowmass Summer Meeting 2022

## Monday, July 18, 2022

**Accelerator Frontier: AFx Internal (TBD) - 242 (8:00 AM - 12:00 PM)**

**Accelerator Frontier: (auxillary-reserved room - AF3 continue) - 248 (8:00 AM - 12:00 PM)**

-Conveners: Frank Zimmermann; Georg Hoffstaetter

**Accelerator Frontier: AF3 Report (2 hrs) and AF4 Report (2 hrs) - 220 (8:00 AM - 12:00 PM)**

-Conveners: Frank Zimmermann; Mark Palmer; Alexander Valishev; Georg Hoffstaetter; Nadia Pastrone

time	[id] title	presenter
8:20 AM	[M35] AF03 Organization	FAUS-GOLFE, Angeles
8:40 AM	[M24] Cool Copper Collider	NANNI, Emilio
9:05 AM	[M34] HELEN	BELOMESTNYKH, Sergey
9:30 AM	[M33] ILC	FAUS-GOLFE, Angeles
10:00 AM	[M36] XCC	BARKLOW, Timothy
10:00 AM	[M28] AF4 Report	PALMER, Mark
10:25 AM	[M37] ReLiC	LITVINENKO, Vladimir
11:00 AM	[M38] Lepton Colliders with Higher Gradient at Lower Capital and Operational Costs	BARZI, Emanuela
11:25 AM	[M39] FCC-ee	ZIMMERMANN, Frank

**Accelerator Frontier: Future Accelerators for HEP, Report of the Accelerator Frontier Implementation Task Force (IF) - 130 (3:35 PM - 5:00 PM)**

-Conveners: Thomas Roser; Tor Raubenheimer; Vladimir Shiltsev

time	[id] title	presenter
3:37 PM	[M59] ITF (Implementation Task Force) Report on Future Colliders - from Higgs Factories to Energy Frontier	ROSER, Thomas
4:22 PM	[M62] Panel Discussion	GOURLAY, Steve RAUBENHEIMER, Tor SHILTSEV, Vladimir

# Tuesday, July 19, 2022

## Accelerator Frontier: Several AFx Internal (ARDAP, Intl R&D) - 254 (8:00 AM - 12:00 PM)

-Conveners: Tor Raubenheimer; Frank Zimmermann; Mark Palmer

time	[id] title	presenter
8:00 AM	[M63] CLIC	STAPNES, Steinar
8:20 AM	[M64] CERC	CHAMIZO LLATAS, Maria
8:40 AM	[M65] CEPC	GAO, Jie
9:00 AM	[M76] High Energy & High Luminosity <input type="checkbox"/> <input type="checkbox"/> Colliders	BARZI, Emanuela
9:20 AM	[M66] EPCCF	GIANFELICE, Eliana BHAT, Pushpalatha

## Accelerator Frontier: AF6 and AF1 Internal (TBD) - 238 (8:00 AM - 12:00 PM)

-Conveners: Zhirong Huang; Cameron Geddes

## Accelerator Frontier: AF3 - 307 (10:00 AM - 12:00 PM)

# Wednesday, July 20, 2022

**Accelerator Frontier: AF6 Report (2 hrs) and AF-Summary-I (2 hrs) - 102 (8:00 AM - 12:00 PM)**

**-Conveners: Tor Raubenheimer; Steve Gourlay; Vladimir Shiltsev; Cameron Geddes; Mark Hogan; Pietro Musumeci**

# Thursday, July 21, 2022

## Accelerator Frontier: AF5 Report (1.5 hrs), AF1 Report (1.5 hrs) and AF-Summary-II (1 hrs) - 130 (8:00 AM - 12:00 PM)

-Conveners: Tor Raubenheimer; Vladimir Shiltsev; Eric Prebys; Steve Gourlay

time	[id] title	presenter
8:00 AM	[M35] AF5 Report + Discussion	PREBYS, Eric
9:00 AM	[M36] EDM	TALMAN, Richard
9:20 AM	[M37] Discussion	
9:30 AM	[M38] AF1: Education, Outreach & Diversity in Accelerator Science & Eng	LUND, Steven
9:40 AM	[M39] AF1: Beam Physics and Accelerator Education Summary Report	BAI, Mei
9:50 AM	[M40] Particle Accelerator Modeling	VAY, Jean-Luc

## Accelerator Frontier: Internal AF7 (2 hrs) - 175 (8:00 AM - 12:00 PM)

-Conveners: GianLuca Sabbi; Emilio Nanni

time	[id] title	presenter
8:00 AM	[M71] AF7 Report Discussion	NANNI, Emilio WEISE, Hans BELOMESTNYKH, Sergey
8:30 AM	[M80] AF7 Community Input	MYNENI, Ganapati NOREM, Jim LU, Xueying
9:00 AM	[M29] US Magnet Development Program Status and Plans	PRESTEMON, Soren
9:15 AM	[M30] European Magnet R&D Roadmap	VEDRINE, Pierre
9:30 AM	[M31] Leading-Edge technology And Feasibility-directed (LEAF) Program	APOLLINARI, Giorgio
9:45 AM	[M32] Next generation technology for low-cost Nb3Sn accelerator magnets	AMBROSIO, Giorgio

# Friday, July 22, 2022

## Accelerator Frontier: CCC: AF3 Internal - eeForum - 332 (8:00 AM - 12:00 PM)

-Conveners: Caterina Vernieri; Mei Bai; Emilio Nanni

time	[id] title	presenter
8:00 AM	<del>A010</del> [A10] C3 in the context of EF	NARAIN, Meenakshi
8:10 AM	<del>A082</del> [A82] C3 Run Plan	VERNIERI, Caterina
8:20 AM	<del>A083</del> [A83] Motivation for Energy Upgrades	MEADE, Patrick
8:30 AM	<del>A084</del> [A84] C3 in the Context of IF	TITOV, Maxim
8:40 AM	<del>A085</del> [A85] Background Simulations	GRAY, Lindsey
8:50 AM	<del>A086</del> [A86] Dual Readout	ENO, Sarah
9:00 AM	<del>A087</del> [A87] Beam Dump Experiments	TUCKLER, Douglas
9:10 AM	<del>A088</del> [A88] Muon Experiments	RANKIN, Dylan
9:35 AM	<del>A089</del> [A89] C3 in the Context of AF3/4	FAUS-GOLFE, Angeles
9:45 AM	<del>A090</del> [A90] C3 Complex	NANNI, Emilio
10:05 AM	<del>A091</del> [A91] BDS/FF	WHITE, Glen
10:30 AM	<del>A092</del> [A92] C3 in the Context of AF1	BAI, Mei
10:40 AM	<del>A093</del> [A93] C3 Demonstration R&D Plan	WANG, Faya
11:00 AM	<del>A094</del> [A94] C3 in the Context of AF7	BELOMESTNYKH, Sergey
11:10 AM	<del>A095</del> [A95] Survey of Ongoing and Near-Term R&D	DHAR, Ankur NANNI, Emilio SIMAKOV, Evgenya WANG, Faya ROSENZWEIG, James BREIDENBACH, Martin RAUBENHEIMER, Tor LI, Zenghai

## Accelerator Frontier: AF-wide: AF2 Report (2 hrs) and AF7-Targets and Sources Report (2 hrs) - 130 (8:00 AM - 12:00 PM)

-Conveners: Frederique Pellemoine; Robert Zwaska; Yine Sun; Charlotte Barbier

time	[id] title	presenter
8:00 AM	<del>A013</del> [A13] AF2 Report and Worldwide Capability Tables	ZWASKA, Robert
9:00 AM	<del>A014</del> [A14] AF2 Report Discussion	ZWASKA, Robert
9:40 AM	Coffee Break	
10:00 AM	<del>A015</del> [A15] AF7 Targets Report and Discussion	BARBIER, Charlotte PELLEMOINE, Frederique SUN, Yine
11:00 AM	<del>A016</del> [A16] AF7 Sources Report and Discussion	BARBIER, Charlotte PELLEMOINE, Frederique SUN, Yine

**Accelerator Frontier: AF4 Internal (TBD) - 214 (8:00 AM - 12:00 PM)****-Conveners: Mark Palmer**

time	[id] title	presenter
8:00 AM	[M73] AF4+AF6 Discussion on AF4 Report	PALMER, Mark
9:00 AM	[M74] AF4 + Collider R&D Program Discussion	VALISHEV, Alexander PALMER, Mark PASTRONE, Nadia BHAT, Pushpalatha NAGAITSEV, Sergei
9:30 AM	[M75] Collider in Sea	MCINTYRE, Peter

# Saturday, July 23, 2022

## Accelerator Frontier: AF-wide: AF7-RF Report ( 2hrs) and AF7-Magnets Report (2 hrs) - 110 (8:00 AM - 12:00 PM)

-Conveners: Sergey Belomestnykh; GianLuca Sabbi; Alexander Zlobin; Emilio Nanni

time	[id] title	presenter
8:00 AM	[77] AF7 RF Report	NANNI, Emilio BELOMESTNYKH, Sergey
10:00 AM	[70] Magnet report	ZLOBIN, Alexander SABBI, GianLuca IZQUIERDO BERMUDEZ, Susana
11:00 AM	[71] Discussion	

## Accelerator Frontier: AF3 Report (1hr) and AF4 Internal (1 hr) - 120 (8:00 AM - 10:00 AM)

-Conveners: Mark Palmer; Georg Hoffstaetter; Frank Zimmermann

time	[id] title	presenter
8:00 AM	[78] AF03 Report	FAUS-GOLFE, Angeles



# Sunday, July 24, 2022

## Accelerator Frontier: Future Colliders R&D Program Initiative - 220 (10:00 AM - 12:00 PM)

-Conveners: Pushpalatha Bhat; Sergei Nagaitsev

time	[id] title	presenter
10:00	[A12] National Accelerator R&D Program on Future Colliders	PUSHPA BHAT
10:10	[A13] GARD Thrusts/scope and Roadmaps (ABP, AAC, RF, MDP)	NAGAITSEV, Sergei HOGAN, Mark BELOMESTNYKH, Sergey GOURLAY, Steve
10:45	[A15] Examples of topics for Future Colliders R&D Program	LANKFORD, Andrew RAUBENHEIMER, Tor PALMER, Mark NANNI, Emilio GEDDES, Cameron
11:25	[A16] International Efforts in Collider R&D	ZIMMERMANN, Frank ASAI, Shoji LOU, Xinchou PASTRONE, Nadia