



# Seattle Snowmass Summer Meeting 2022

## Monday, 18 July 2022

**Accelerator Frontier: AFx Internal (TBD) - 242 (08:00 - 12:00)**

**Accelerator Frontier: (auxillary-reserved room - AF3 continue) - 248 (08:00 - 12:00)**

-Conveners: Frank Zimmermann; Georg Hoffstaetter

**Accelerator Frontier: AF3 Report (2 hrs) and AF4 Report (2 hrs) - 220 (08:00 - 12:00)**

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

time	[id] title	presenter
08:20	[735] AF03 Organization	FAUS-GOLFE, Angeles
08:40	[724] Cool Copper Collider	NANNI, Emilio
09:05	[734] HELEN	BELOMESTNYKH, Sergey
09:30	[733] ILC	FAUS-GOLFE, Angeles
10:00	[736] XCC	BARKLOW, Timothy
10:00	[728] AF4 Report	PALMER, Mark
10:25	[737] ReLiC	LITVINENKO, Vladimir
11:00	[738] Lepton Colliders with Higher Gradient at Lower Capital and Operational Costs	BARZI, Emanuela
11:25	[739] FCC-ee	ZIMMERMANN, Frank

**Accelerator Frontier: Future Accelerators for HEP, Report of the Accelerator Frontier Implementation Task Force (IF) - 130 (15:35 - 17:00)**

-Conveners: Thomas Roser; Tor Raubenheimer; Vladimir Shiltsev

time	[id] title	presenter
15:37	[159] ITF (Implementation Task Force) Report on Future Colliders - from Higgs Factories to Energy Frontier	ROSER, Thomas
16:22	[162] Panel Discussion	GOURLAY, Steve RAUBENHEIMER, Tor SHILTSEV, Vladimir

# Tuesday, 19 July 2022

## Accelerator Frontier: Several AFx Internal (ARDAP, Intl R&D) - 254 (08:00 - 12:00)

-Conveners: Tor Raubenheimer; Frank Zimmermann; Mark Palmer

time	[id] title	presenter
08:00	[763] CLIC	STAPNES, Steinar
08:20	[764] CERC	CHAMIZO LLATAS, Maria
08:40	[765] CEPC	GAO, Jie
09:00	[776] High Energy & High Luminosity $\square\square$ Colliders	BARZI, Emanuela
09:20	[766] EPCCF	GIANFELICE, Eliana BHAT, Pushpalatha

## Accelerator Frontier: AF6 and AF1 Internal (TBD) - 238 (08:00 - 12:00)

-Conveners: Zhirong Huang; Cameron Geddes

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

# Wednesday, 20 July 2022

**Accelerator Frontier: AF6 Report (2 hrs) and AF-Summary-I (2 hrs) - 102 (08:00 - 12:00)**

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

# Thursday, 21 July 2022

## **Accelerator Frontier: AF5 Report (1.5 hrs), AF1 Report (1.5 hrs) and AF-Summary-II (1 hrs) - 130 (08:00 - 12:00)**

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

time	[id] title	presenter
08:00	[835] AF5 Report + Discussion	PREBYS, Eric
09:00	[836] EDM	TALMAN, Richard
09:20	[837] Discussion	
09:30	[838] AF1: Education, Outreach & Diversity in Accelerator Science & Eng	LUND, Steven
09:40	[839] AF1: Beam Physics and Accelerator Education Summary Report	BAI, Mei
09:50	[840] Particle Accelerator Modeling	VAY, Jean-Luc

## **Accelerator Frontier: Internal AF7 (2 hrs) - 175 (08:00 - 12:00)**

-Conveners: GianLuca Sabbi; Emilio Nanni

time	[id] title	presenter
08:00	[771] AF7 Report Discussion	NANNI, Emilio WEISE, Hans BELOMESTNYKH, Sergey
08:30	[780] AF7 Community Input	MYNENI, Ganapati NOREM, Jim LU, Xueying
09:00	[729] US Magnet Development Program Status and Plans	PRESTEMON, Soren
09:15	[730] European Magnet R&D Roadmap	VEDRINE, Pierre
09:30	[731] Leading-Edge technology And Feasibility-directed (LEAF) Program	APOLLINARI, Giorgio
09:45	[732] Next generation technology for low-cost Nb3Sn accelerator magnets	AMBROSIO, Giorgio

## Friday, 22 July 2022

### Accelerator Frontier: CCC: AF3 Internal - eeForum - 332 (08:00 - 12:00)

-Conveners: Caterina Vernieri; Mei Bai; Emilio Nanni

time	[id] title	presenter
08:00	[710] C3 in the context of EF	NARAIN, Meenakshi
08:10	[682] C3 Run Plan	VERNIERI, Caterina
08:20	[683] Motivation for Energy Upgrades	MEADE, Patrick
08:30	[684] C3 in the Context of IF	TITOV, Maxim
08:40	[685] Background Simulations	GRAY, Lindsey
08:50	[686] Dual Readout	ENO, Sarah
09:00	[687] Beam Dump Experiments	TUCKLER, Douglas
09:10	[688] Muon Experiments	RANKIN, Dylan
09:35	[689] C3 in the Context of AF3/4	FAUS-GOLFE, Angeles
09:45	[690] C3 Complex	NANNI, Emilio
10:05	[691] BDS/FF	WHITE, Glen
10:30	[692] C3 in the Context of AF1	BAI, Mei
10:40	[693] C3 Demonstration R&D Plan	WANG, Faya
11:00	[694] C3 in the Context of AF7	BELOMESTNYKH, Sergey
11:10	[695] 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 (08:00 - 12:00)

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

time	[id] title	presenter
08:00	[813] AF2 Report and Worldwide Capability Tables	ZWASKA, Robert
09:00	[814] AF2 Report Discussion	ZWASKA, Robert
09:40	Coffee Break	
10:00	[815] AF7 Targets Report and Discussion	BARBIER, Charlotte PELLEMOINE, Frederique SUN, Yine
11:00	[816] AF7 Sources Report and Discussion	BARBIER, Charlotte PELLEMOINE, Frederique SUN, Yine

### Accelerator Frontier: AF4 Internal (TBD) - 214 (08:00 - 12:00)

**-Conveners: Mark Palmer**

time	[id] title	presenter
08:00	[773] AF4+AF6 Discussion on AF4 Report	PALMER, Mark
09:00	[774] AF4 + Collider R&D Program Discussion	VALISHEV, Alexander PALMER, Mark PASTRONE, Nadia BHAT, Pushpalatha NAGAITSEV, Sergei
09:30	[775] Collider in Sea	MCINTYRE, Peter

# Saturday, 23 July 2022

## **Accelerator Frontier: AF-wide: AF7-RF Report ( 2hrs) and AF7-Magnets Report (2 hrs) - 110 (08:00 - 12:00)**

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

time	[id] title	presenter
08:00	[877] AF7 RF Report	NANNI, Emilio BELOMESTNYKH, Sergey
10:00	[870] Magnet report	ZLOBIN, Alexander SABBI, GianLuca IZQUIERDO BERMUDEZ, Susana
11:00	[871] Discussion	

## **Accelerator Frontier: AF3 Report (1hr) and AF4 Internal (1 hr) - 120 (08:00 - 10:00)**

-Conveners: Mark Palmer; Georg Hoffstaetter; Frank Zimmermann

time	[id] title	presenter
08:00	[878] AF03 Report	FAUS-GOLFE, Angeles



# Sunday, 24 July 2022

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

-Conveners: Pushpalatha Bhat; Sergei Nagaitsev

time	[id] title	presenter
10:00	[872] National Accelerator R&D Program on Future Colliders	PUSHPA BHAT
10:10	[873] GARD Thrusts/scope and Roadmaps (ABP, AAC, RF, MDP)	NAGAITSEV, Sergei HOGAN, Mark BELOMESTNYKH, Sergey GOURLAY, Steve
10:45	[875] Examples of topics for Future Colliders R&D Program	LANKFORD, Andrew RAUBENHEIMER, Tor PALMER, Mark NANNI, Emilio GEDDES, Cameron
11:25	[876] International Efforts in Collider R&D	ZIMMERMANN, Frank ASAI, Shoji LOU, Xinchou PASTRONE, Nadia