



ATRAP



# ADUC Meeting 2019



# Welcome to the ADUC meeting 2019

- ...and thanks very much for joining the event.

## ADUC and ELENA Meeting

Tuesday 10 Dec 2019, 13:30 → 19:00 Europe/Zurich

31/3-004 - IT Amphitheatre (CERN)

Videoconference Rooms: ADUC\_and\_ELENA\_Meeting [Join](#) 31/3-004

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**14:00** → 14:20 **Status of AD consolidation program** ⌚ 20m

including Update on planned modification of distribution of cryo-liquids

**Speaker:** Francois Butin (CERN)

AD-CONS talk ADUC... AD-CONS talk ADUC...

**14:20** → 14:45 **Status of ELENA transfer lines Installation** ⌚ 25m

**Speaker:** Francois Butin (CERN)

ELENA TLs talk AD... ELENA TLs talk AD...

**14:45** → 15:05 **Progress on ELENA development 2019 and plans for 2020** ⌚ 20m

**Speaker:** Christian Carli (CERN)

19\_12\_10\_ADUC\_EL... 19\_12\_10\_ADUC\_EL...

**15:05** → 15:25 **Status of the ELENA H-/proton source** ⌚ 20m

**Speaker:** Davide Gamba (CERN)

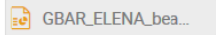
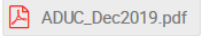
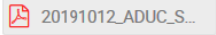
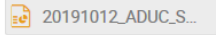
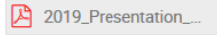
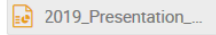
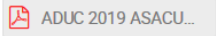
**15:25** → 15:45 coffee break / discussions ⌚ 20m

Part 1:

Progress update  
AD consolidation  
ELENA



# Part 2

15:45	→ 16:10	<b>Status beam monitors for the ELENA transfer lines</b> Speaker: Mark Mclean (CERN)	🕒 25m	📎
16:10	→ 16:30	<b>Results of ELENA-based test experiments in GBAR and future plans of GBAR</b> Speaker: Dr Andree Welker (CERN Fellow) 	🕒 20m	📎
16:30	→ 16:40	<b>Future plans: ALPHA</b> Speaker: Jeffrey Scott Hangst (Aarhus University (DK))	🕒 10m	📎
16:40	→ 16:50	<b>Future plans: AEGIS</b> Speaker: Michael Doser (CERN) 	🕒 10m	📎
16:50	→ 17:00	<b>Future plans : ATRAP</b> Speaker: Gerald Gabrielse (Harvard University (US))	🕒 10m	📎
17:00	→ 17:20	<b>Future plans and new project: BASE</b> Speaker: Christian Smorra (RIKEN (JP))    	🕒 20m	📎
17:20	→ 17:30	<b>Future plans: ASACUSA</b> Speakers: Eberhard Widmann (Austrian Academy of Sciences (AT)), Masaki Hori (Max-Planck Institute of Quantum Optics (DE)) 	🕒 10m	📎
17:30	→ 17:35	<b>Possible long-haul distribution of optical frequency standards via optical fibre</b> Speaker: Masaki Hori (Max-Planck Institute of Quantum Optics (DE))	🕒 5m	📎

- Requested by CERN teams to update them on future plans of the users which are operating in the facility.
- Roughly 10 minutes per collaboration

ALPHA 



BASE 

ATRAP



AEGIS 

# Reply from Eckhard Elsen

Some users were asking for a statement on CERN's longer term timeline of AD operation beyond LS2.

**The spirit I would like to convey for ADUC is**

- **Full recognition of the successes of the experiments**
- **Invitation for next generation of experiments (see SPSC call). This is encouraged by the new infrastructure that is being put in place**
- **Assessment of how to best deal with the future precision requirements**

**All the best**

**Eckhard**

Will ask for a more explicit and slightly more practical statement, to be made at 2020 SPSC meeting.

ALPHA 



BASE 

ATRAP

GBAR 

AEgIS 