

Technical Board Meeting



September 5, 2018

Caroline Riedl

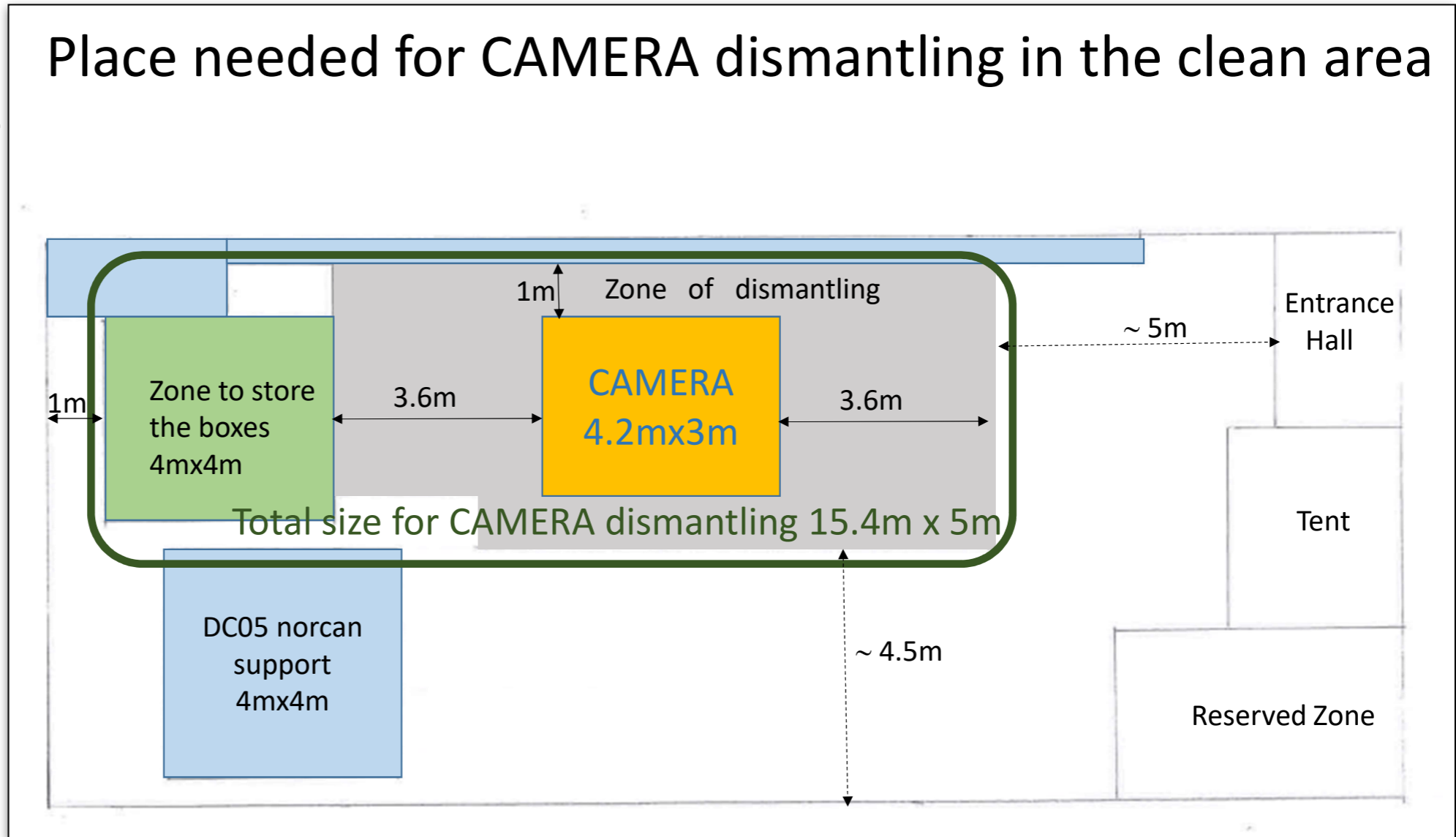
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Communications

- Minutes of TB meeting June 5, 2018:
https://indico.cern.ch/event/732912/attachments/1669098/2676884/TB-Minutes-2018-06-05_v1.pdf
- Caroline *has stayed* in office as TC until September TB meeting but remotely from Illinois.
- TC candidates have been approached, no news at this point.
Next TC to be discussed at upcoming CB meeting.
- Remaining 2018 TB meeting:
November 6

Occupation of clean area

- Saclay / Nicole:
move CAMERA to clean area September 20 or 26 (Saclay preference).
- CERN transport group to be booked.
- Clean area: have to free space (target?)
- Dismantle before end of 2018 run.



- Torino / Daniele:
would like to keep option to repair more MWPCs (noise), need Saclay stretching machine for repair (gas windows).
Saclay agrees (Stephane August 24):
- “It can stay as long as necessary at CERN.”

- “We have also a brand new big Mylar roll, which we could send to CERN on request.”

- Repair of DC4 during LS2? Not decided at this point.
- Repair of RICHwall during LS2 - start discussion at round table later today
- **Any other requests for clean area? Now - 2019 ...**

COMPASS changeover during LS2

- Transversity run with transversely polarized deuterium target in 2021
- Change over target area from Drell-Yan to SIDIS.
 - Start asap after end of beam (Nov. 11, 2018).
 - Allow for empty-target calibration and tests of polarized target: 2 weeks; i.e. late November
 - Finish by ~ June 2019.

EN/HE removal of absorber, displacement of target platform (2.3m downstream), removal of big chambers to be repaired
 EN/EL disconnection and connection of PT magnet power lines
 EN/CV cooling water
 TE/CRG removal of pump lines and re-installation of old or modified pump lines.
 Disconnection and reconnection of LHe line.

- [1] week 1: prep cold box
- [2] week 2: run cold box
- [3] weeks 3-4: LN2 pre-cooling to 80K
- [4] week 5: He cooling to 4K
- [5] weeks 6-10: commissioning of target magnet
- [6] week 11: empty-target calibration
- [7] week 12: loading of target
- [8] week 13: loaded-target calibration
- [9] week 14: beam

2018:
 [6] had to be skipped (which is potentially dangerous!)
 [5] was shortened by 1 week
 i.e. 11 weeks of prep in 2018 vs. ideally 13 weeks

2021:
 Ideally, start preps such that [8] is completed by time of beam arrival (unknown at this point). Need cooling water from including [2] on.




Experimental Area	Experiment	Requirements	Main constraints	Readiness Status	Special Needs - Impacted Equipment / Service Groups									
					EN/CV	EN/EL	EN/HE	EN/STI	TE/CRG	BE/ICS	BE/CO	HSE/RP	EN/EA	
EA	CLOUD	requested operation in 2019, 2020, 2021	no operation possible during 2020 (EL/CV works)	ok for 2019 option for an early run in 2021	X	X								X
NA	NP02 & NP04	requested operation during LS2	no operation possible when chilled water is not available	operation possible between May and September	X	X			X	X	?			
	COMPASS	early commissioning likely required (e.g. for cryo target)	cooling water and cryogenics	to investigate if special solution like in 2018 is needed	X	X	X		X					X
	NA64	new experimental area	no particular show-stopper	ECR final draft available		X					X			X
	GIF++	operation during LS2 extension of bunker	gas consolidation and cooling/heating (minor)	ECR final draft available	X		X				X			X
	NA62	IKr must be maintained RP needs to access EA to be clarified	backup services must be tested (recent issue identified)	all ok (verification required) access to EA in discussion with RP	X	X			X	X	?	X	X	

After November 11, 2018

- **The changeover planning:**
 - Dismantle absorber
 - Move target platform (uncabling of magnet after warming up of magnet)
 - Align magnet before doing pipe work
 - Remove additional “balcony” shielding
 - Cryogenic pipe work (start ~ January 2019)
 - o some pipes have to be redone from scratch including welding
 - o leak checks (new pieces before installation under easier conditions?)
 - Meeting with Oliver Pirotte, Johan Bremer (both TE-CRG), Gerd Mallot, Vladimir Anosov, Caroline Riedl May 30, 2018
- **Consolidation of the two overhead cranes in EHN2 during LS2 (Roberto Rinaldesi)**
 - Refurbishment of 40 ton crane (PR-539): 6-8 weeks
 - Replacement of 5 ton crane (PR-545): 1,5 weeksCOMPASS agrees (Vladimir Anosov) if works start not before July 1, 2019 (and supposed to end Oct. 2019).

Today's agenda

<https://indico.cern.ch/event/751038>

09:00	→ 09:15	Communication and clean area occupation Speaker: Caroline Kathrin Riedl (Univ. Illinois at Urbana Champaign (US))	🕒 15m	📎
09:15	→ 10:00	ATTRACT - a European funding opportunity Speaker: Johannes Bernhard (CERN)	🕒 45m	📎
10:00	→ 10:20	CEDAR (detector) Speaker: Marcin Ziembicki (Warsaw University of Technology (PL))	🕒 20m	📎
10:20	→ 10:40	CEDAR (readout) Speaker: Igor Konorov (Technische Universitaet Muenchen (DE))	🕒 20m	📎
10:40	→ 11:00	Coffee	🕒 20m	
11:00	→ 11:30	News from the 2018 run Speaker: Vincent Andrieux (Univ. Illinois at Urbana Champaign (US))	🕒 30m	📎
11:30	→ 11:45	News from the EATM Speakers: Annika Vauth (CERN), Caroline Kathrin Riedl (Univ. Illinois at Urbana Champaign (US))	🕒 15m	📎
		 2018-09-03...		
11:45	→ 12:25	Polarized target - 2018 status and 2021 plans Speaker: Norihiro Doshita (Yamagata University (JP))	🕒 40m	📎
12:25	→ 12:40	Round Table / buffer New MWPC FEE; RICHwall removal; MM prototype testing Speaker: Maxim Alexeev (Universita e INFN Torino (IT))	🕒 15m	📎
		 TB_MWPC...  TB_MWPC...		
12:40	→ 14:00	Lunch	🕒 1h 20m	
14:00	→ 14:30	RICH News Speaker: Silvia Dalla Torre (Universita e INFN Trieste (IT))	🕒 30m	📎