

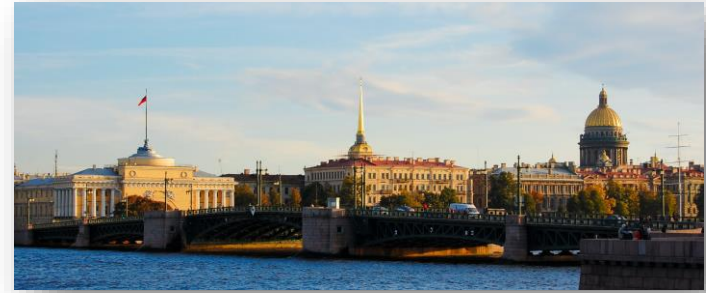
Introduction, news and plans

Wladyslaw H. Trzaska

FIT Collaboration Meeting
19 February 2020

Nucleus 2020

26-30 May 2020, St. Petersburg



- <https://indico.cern.ch/event/839985/>
- Invitations for plenary talks (ALICE overview, upgrade) and contributed presentations

Any volunteers?

Important dates

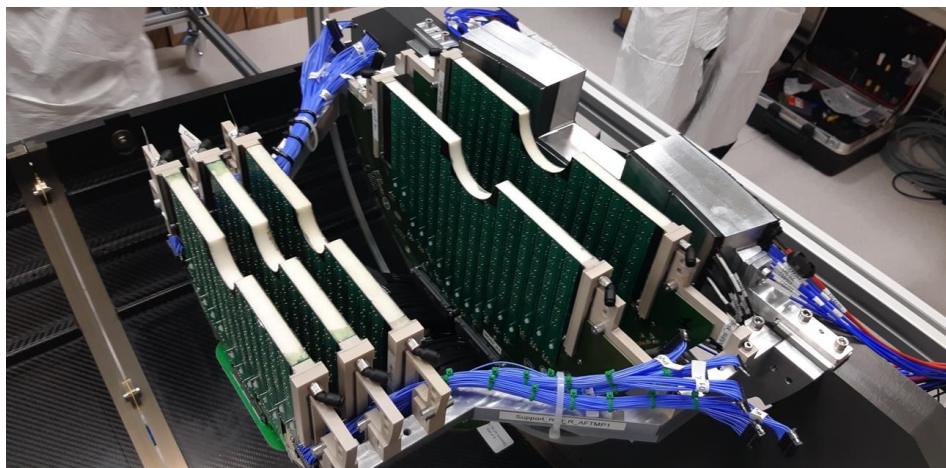
Deadlines:

Abstract submission deadline:	1 March 2020
Abstract submission acceptance notification:	1 April 2020
Deadline for paying the early registration fees:	15 April 2020
Registration deadline:	15 May 2020

LHCC Review

- Thank you for the contributions to the report!
- The final slides from the LHCC meeting, that took place on 18 February 2020, are on indico: <https://indico.cern.ch/event/849448/>
 - Good review of ALICE physics goals for Run 3 and 4
 - P2, LS2 schedule
 - Status of the key detectors (including FIT)
 - FOCAL

FT0-C updated installation schedule



- Both top and bottom parts of FT0-C are integrated with MFT
- All electrical and optical connections were tested after installation
- Challenging integration and insertion test (**FT0-C + MFT + ITS**) will take place in building 167 two weeks prior to transportation to Point 2
- The final installation is now scheduled for the period **11 June – 22 July** (updated 14 Feb 2020)

FV0 schedule

- Laser and cosmic-ray tests of the fully instrumented both halves of the FV0 are progressing as planned
- During the Q1 of 2020 the tests and characterization of the detector should be completed
- Work with the final version of FIT electronics will start as soon as the first Processing Module (PM) arrives at CERN
- FV0 will be installed at Point 2 during the period **15 - 21 October** (updated 14 Feb 2020)

FDD installation schedule

No change in the installation schedule

- FDD-C installation

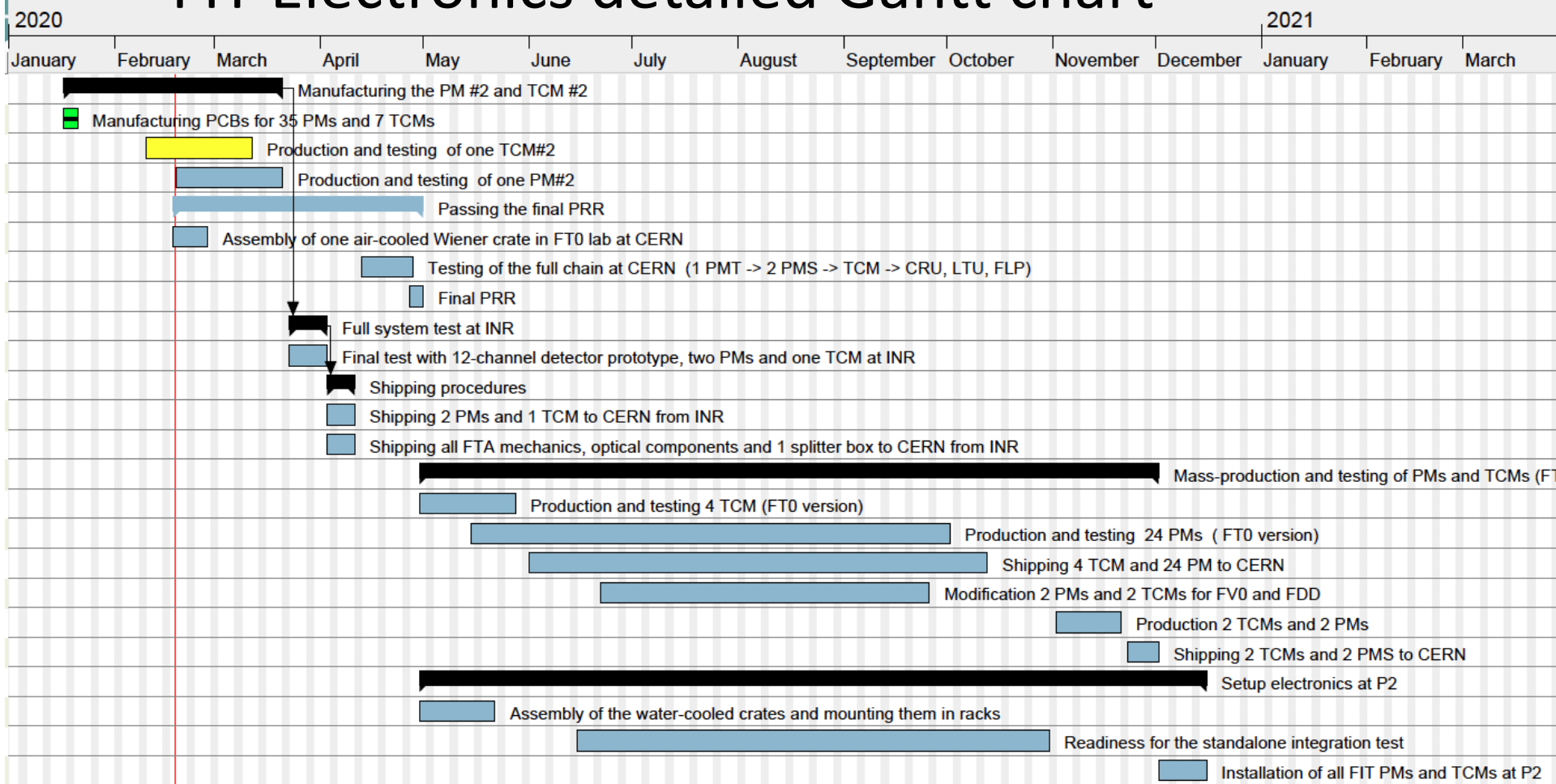
must be fully completed during the first half of August 2020 to enable redoing of the tightness of UX-RB26 before the week 35 – the start of S23 cool down

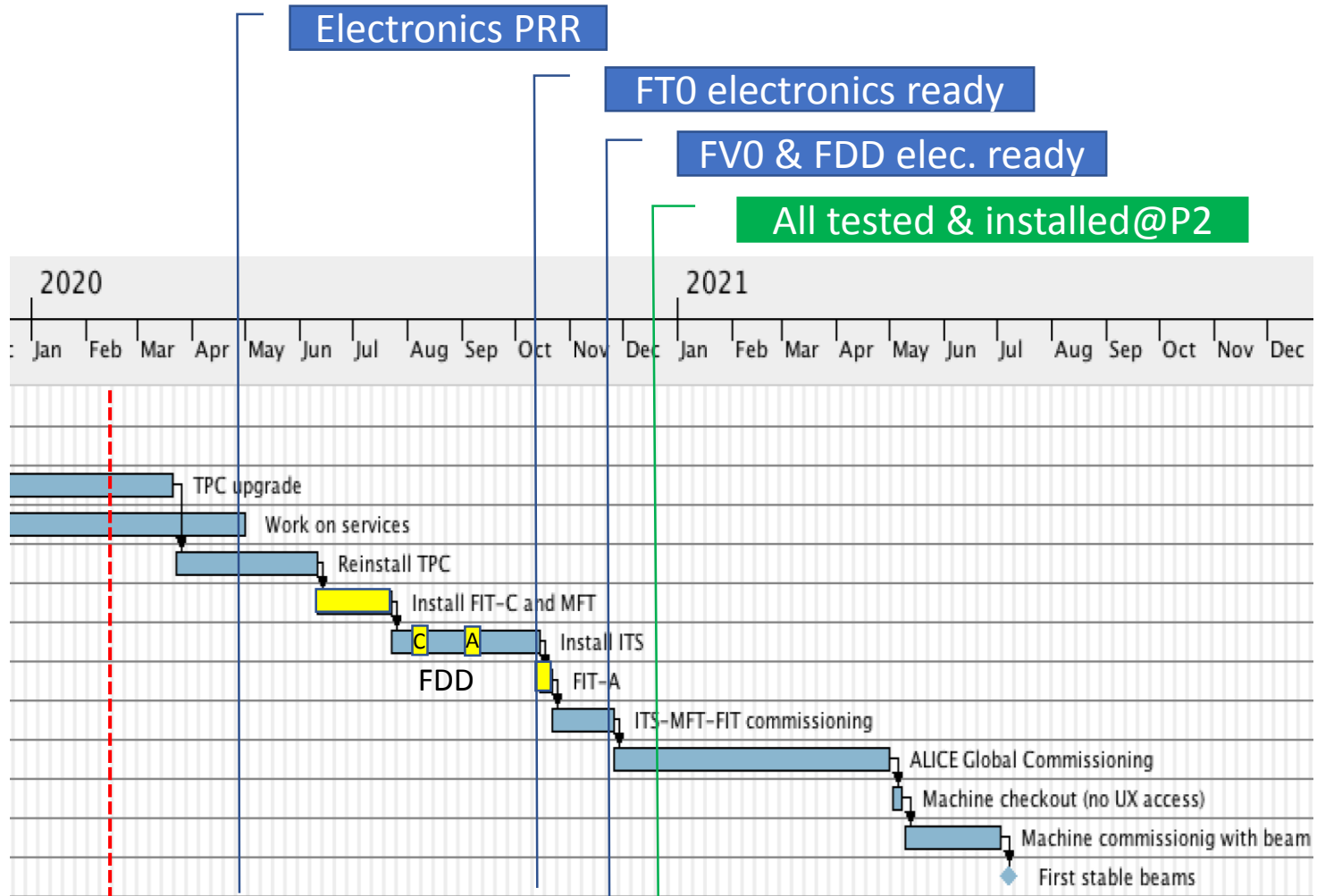
- FDD-A installation

1 – 10 September 2020

Material	Delivery date	Comments
PMTs	17-25.Feb.2020	5 PMT
	3-11.Mar.2020	5 PMTs
	7-30.Mar.2020	10 PMTs
WLS	Delivered	
Plastic Scint.	03.Mar.2020	
Fibers	23.Mar.2020	

FIT Electronics detailed Gantt chart





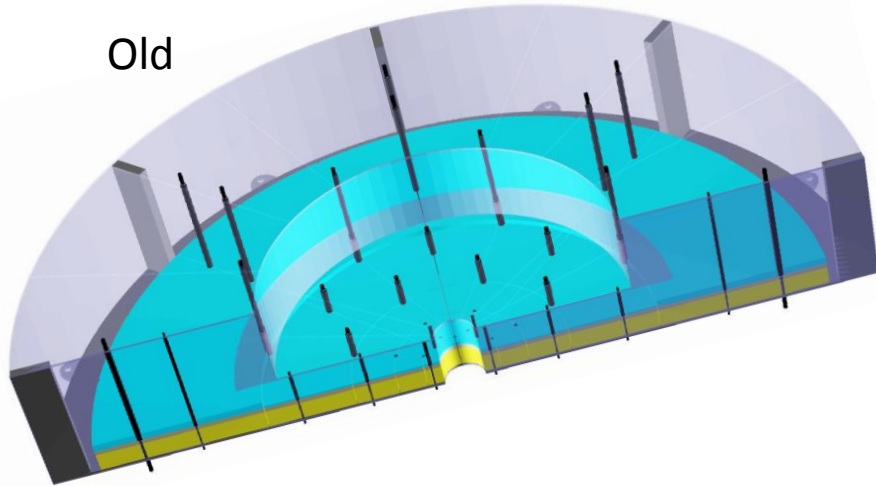
FV0 improved design of the outer shell*

*Designed at NBI, to be manufactured by **AlmexA**

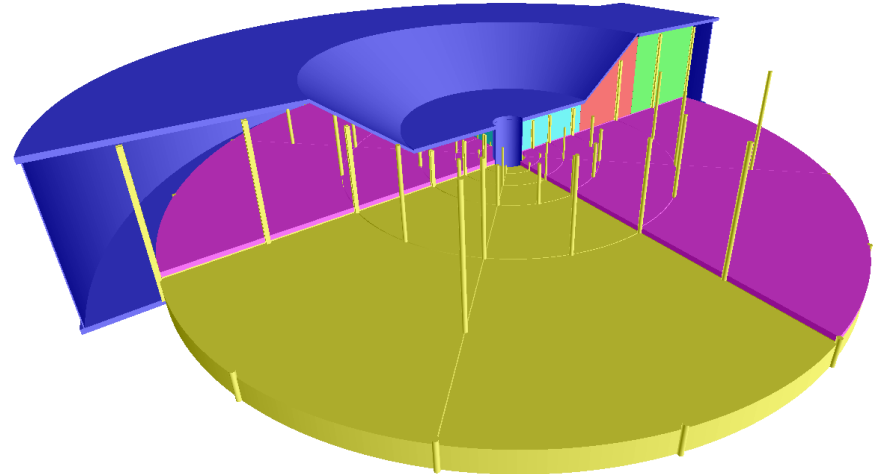
Was presented to ALICE
Collaboration in Aug 2019



Old



New



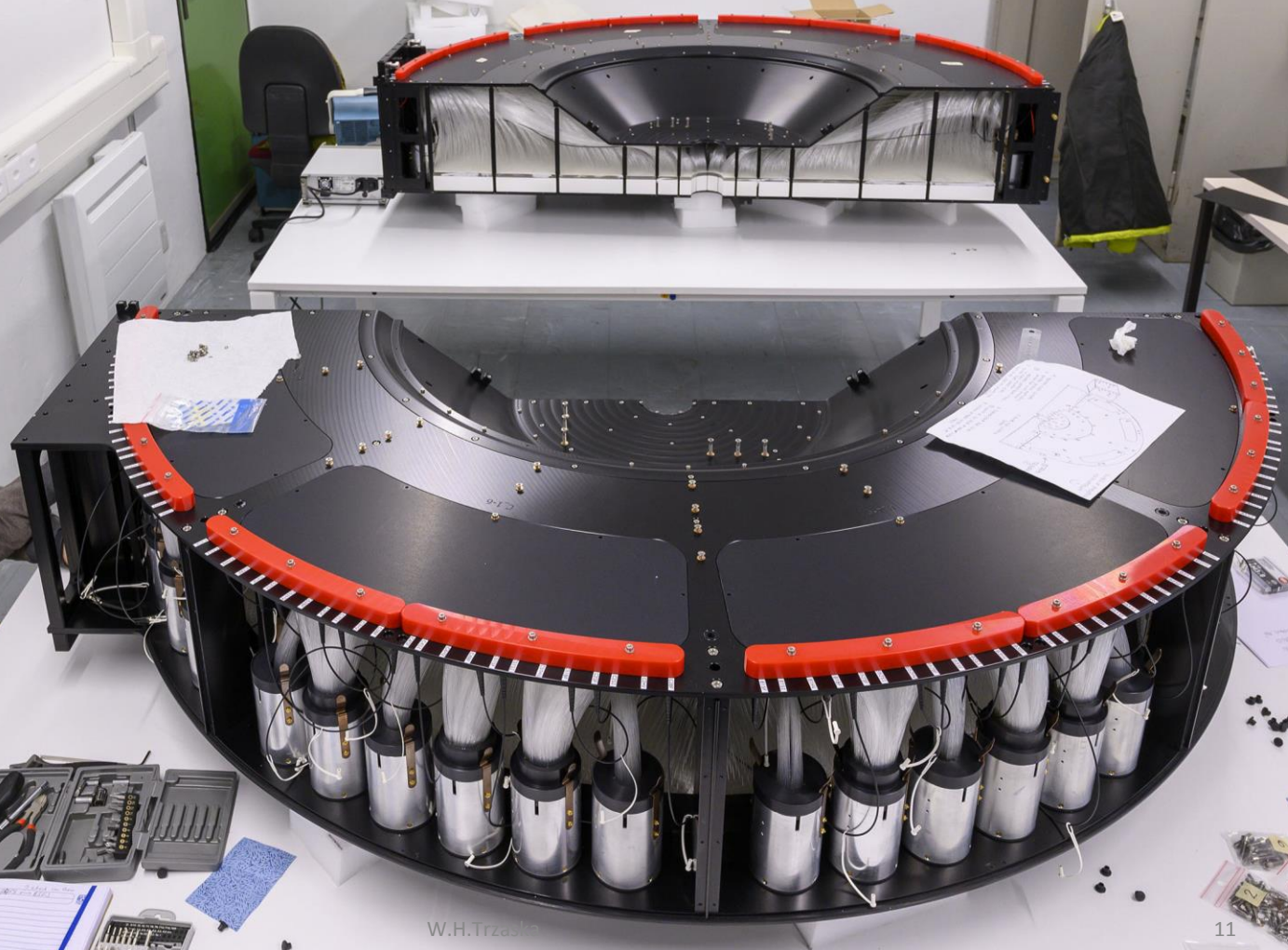
ALICE industrial award for **AlmexA**?

- We are proposing AlmexA for ALICE industrial award
- AlmexA did a very good job, well on schedule, and for a very reasonable price
- This award would boost not only the image of AlmexA but also visibility of FIT and NBI

FIT 19 Feb 2020



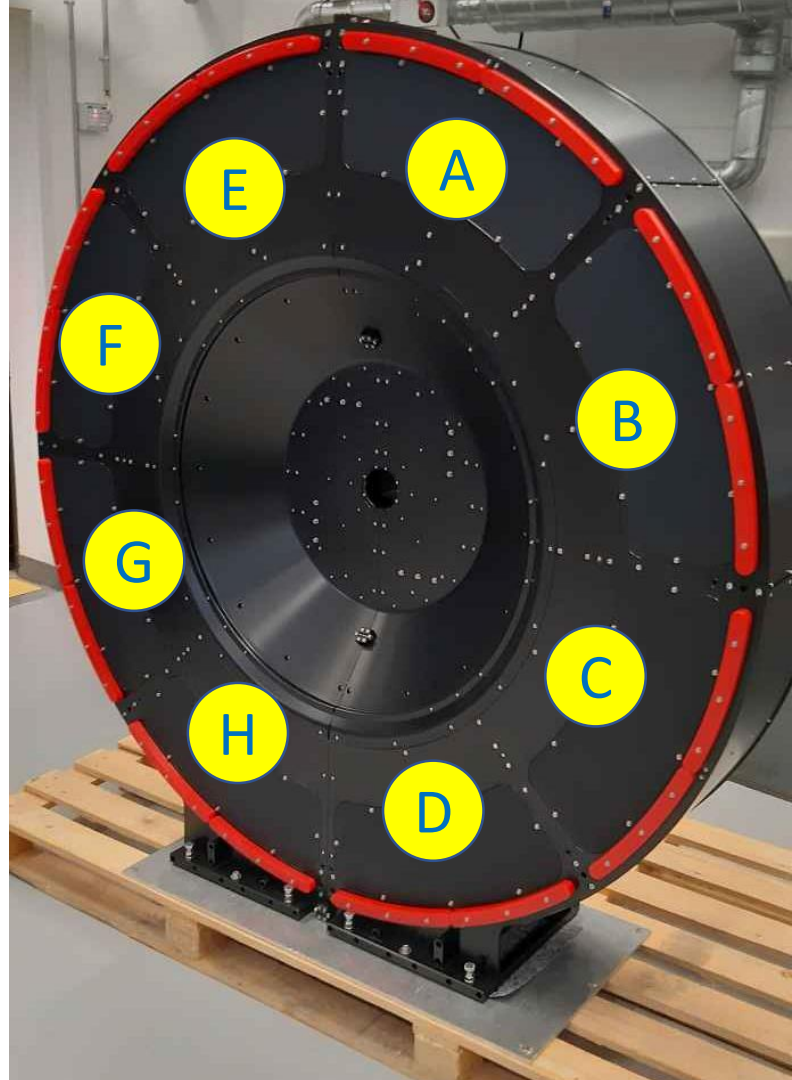
January 2020



FV0 sector labelling convention

Varlen and his team use the following labelling convention:

- Sectors are labelled by capital letters, as shown here →
- Rings are labelled 1,2,3,4,5 with 5 being the outermost ring



Open questions from the previous FIT meetings

FIT preliminary budget 2021 + estimates 2022-2024

	A	B	C	D	E	F
1	Budget	2021	2022	2023	2024	Comments
2	A01 Mechanics	3	1	1		
3	A02 Gas Systems	0				
4	A03 Cooling Systems	0				
5	A04 FEE spares	10	3	10		
6	A05.1 Standard Electronics LV/HV PS	5	1	1		
7	A05.2 Standard Electronics Crates	5	1	1		
8	A05.3 Standard Electronics R/O modules	5	1	1		
9	A06 Controls (DCS & DSS)	5	5	5		
10	A07 Sub-Detector spares	30	10	30		
11	A08 Areas	16	16	16		
12	A09 Communications	1	1	1		
13	A10 Store Items	10	2	2		
14	A11.1 Technical Manpower @ CERN: Industrial Support					
15	A11.3 Technical Manpower @ CERN from Collaborating Institutes	8	8	8		
16	Total	98	49	76	0	
17						
18	A11.2 Technical Manpower @ CERN from Collaborating Institutes (in man-months)					

Guidelines from Adriana:

- The budget for 2021 should not increase, unless there is a clear justification
- Feel free to modify 2022, 2023, and 2024 (with justification)
- The table must be ready by the end of February!

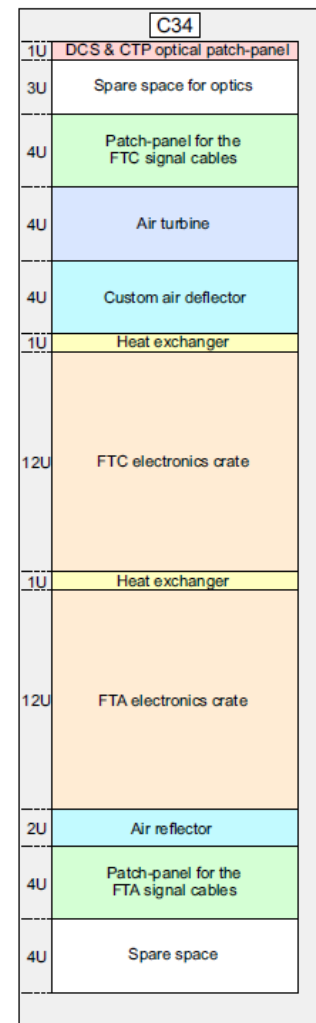
FIT Rack configuration*

We need to complete mapping
of rack configuration!

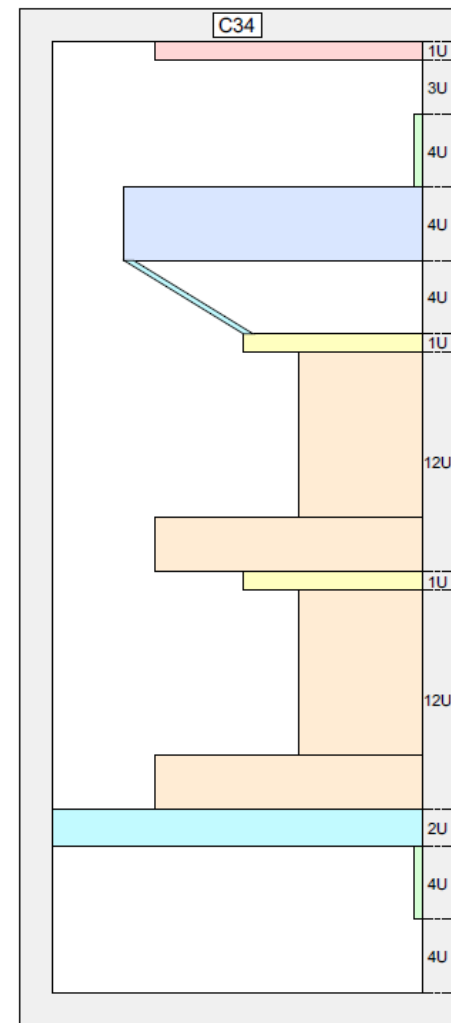
Still missing:
configuration of rack 32, 33, 35

*) see Tatiana's presentation from 22 Jan 2020:

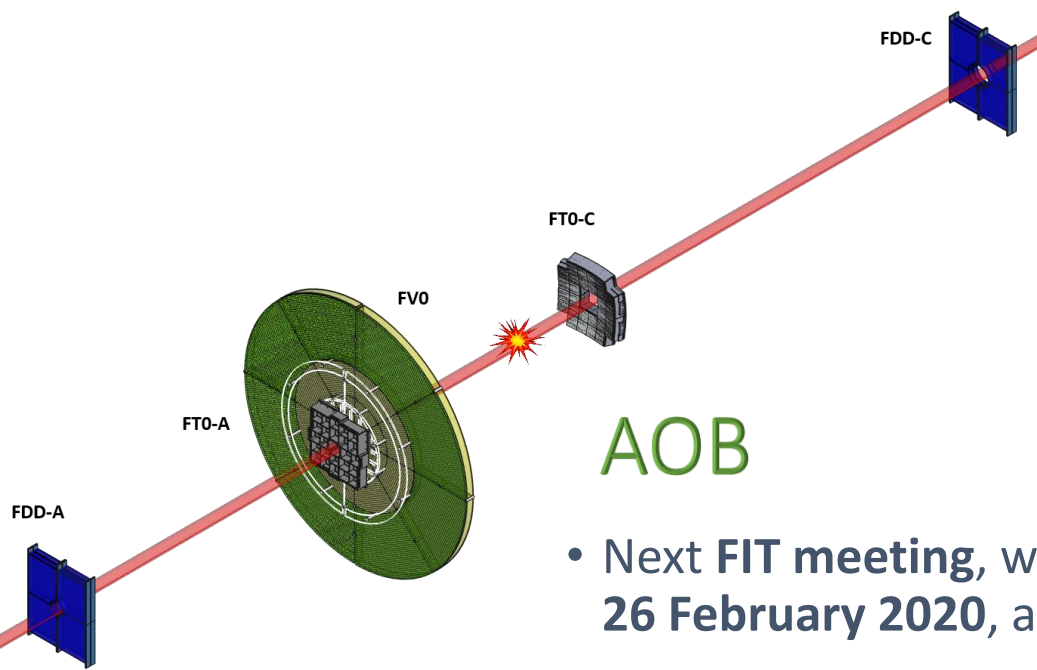
<https://indico.cern.ch/event/881124/contributions/3712086/attachments/1973961/3284646/FIT-racks-22-01-2020.pdf>



Front view



Side view (from the left)



AOB

- Next **FIT meeting**, will be on Wednesday, **26 February 2020**, at 15:30 CERN time
- In addition, there will be **DCS** and **Software** meeting next week
- Please calculate the value (in CHF) of the **2019 in-kind** contribution from your institution

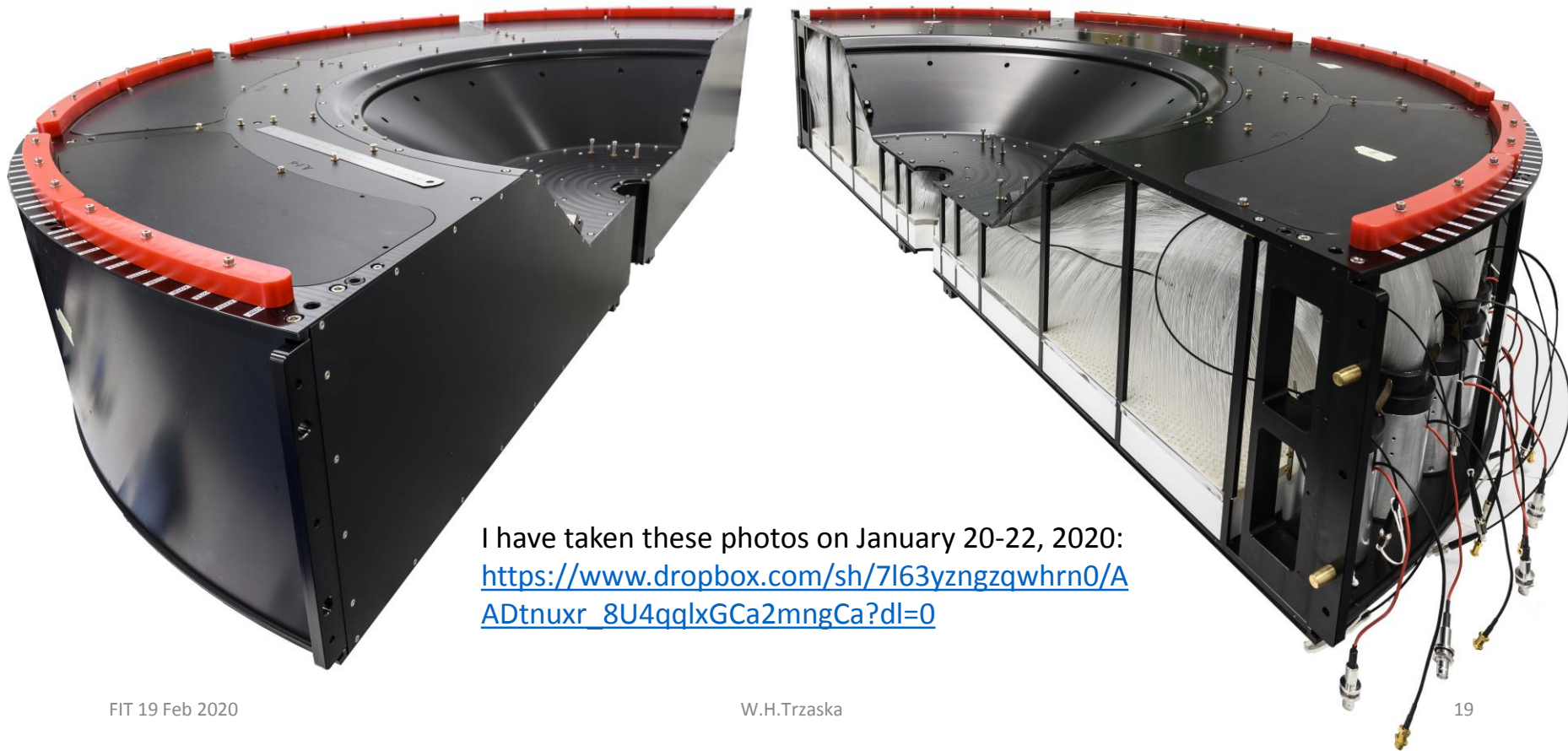
Thank you for your attention!

List of contact people

Run Coordination

- FT0 Global Contact
 - Tatiana Karavicheva
- FT0 Technical Coordinator
 - Tatiana Karavicheva
- FT0 Commissioning Coordinator
 - Tatiana Karavicheva
- FT0 System Run Coordinator
 - Maciej Slupecki
- FT0 O2 Responsible
 - Alla Maevskaya
- FT0 DCS Responsible
 - Dmitry Finogeev
- FT0 Trigger Responsible
 - Dmitry Serebryakov
- FV0 Global Contact
 - Varlen Grabski
- FV0 Technical Coordinator
 - Varlen Grabski
- FV0 Commissioning Coordinator
 - Varlen Grabski/Ruben Alfaro
- FV0 System Run Coordinator
 - Varlen Grabski
- FV0 O2 Responsible
 - Maciej Slupecki
- FV0 DCS Responsible
 - Heidi Rytkonen
- FV0 Trigger Responsible
 - Jacek Otwinowski
- FDD Global Contact
 - Guillermo Contreras
- FDD Technical Coordinator
 - Ildefonso Leon
- FDD Commissioning Coordinator
 - Ildefonso Leon (up to 2021)
- FDD System Run Coordinator
 - Michal Broz (from 2021)
- FDD O2 Responsible
 - Michal Broz
- FDD DCS Responsible
 - Juan Carlos Cabanillas
- FDD Trigger Responsible
 - Solangel Rojas / Christoph Mayer

FV0 assembly photos by W.H. Trzaska



I have taken these photos on January 20-22, 2020:

https://www.dropbox.com/sh/7l63yzngzqwhrn0/ADtnuxr_8U4qqIxGCa2mngCa?dl=0

You are free to use my pictures for publications and non-commercial purposes, providing you acknowledge the photographer (W.H.Trzaska) 😊

