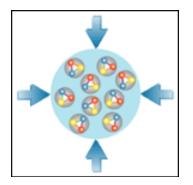
Status of the CBM Experiment – Key Dates for CBM Magnet



Walter F.J. Müller, FAIR, Darmstadt

CBM Magnet CDR Round 2, GSI 24-25 April 2018

FAIR Construction on Track



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Dates checked & updated 2018-04-22

Major External Milestones for CBM

- G014 (CBM building)
 - shell completed
 - installation window
 - transition to 'user mode'

Dec '21 to Mar '22 Dec '22

Dec '20

Notes:

- during 'installation window' building is still in 'construction site' mode

- only very basic ventilation and power services available

- mainly useful for bringing in robust mechanical structures

Cryogenics and Accelerator

- Cryogenics ready in G014
- SIS-100 ready for beam
- HEBT ready for beam
- SIS-100 pilot beam
- SIS-100 '1 user, low intensity'

Mar '23	Cryo plant still on commissioning
Jun '24	Depending on whom one asks
Aug '24	first opportunistic test beam (few hours parasitic to SIS-100
Nov '24	commissioning) might start between Jul and Nov '24.
Feb' 25	Go for CBM M11 Mar'24



Installation Options for Magnet



- Use installation window
 - install magnet in Dec'21 to Mar'22 window
 - Note 1: window will most likely be longer !
 - Note 2: only basic construction site services available
 - Note 3: other installation work in parallel (e.g mounting structs)
 - do bring-up starting when Cryo is ready, earliest Mar'23
- After building acceptance
 - install magnet starting Dec'22
 - Note 1: now full services available, except Cryo
 - Note 2: many parties in the cave !
 - bring-up when Cryo is ready, earliest Mar'23

Time required for commissioning



- Many other activities depend on the milestone Magnet ready for operation [M11] the most notable ones are
 - magnet upstream remap with MUCH absorber
 - installation STS in magnet
 - commissioning STS
- It is essential to understand the time required for
 - cold-commissioning
 - quench testing
 - □ etc.





Thanks for your attention



24-25 April 2018

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FAIR Schedule: SIS100 and CBM

Slide shown on Spring 17 CBM Week in plenary on 23rd March 2017



- The CBM bottom line:
 - Dec 2021 to Jul 2022 1st in:
 - Dec 2022
 - Dec 2022 to Jun 2024
- 1st installation window
 - Building acceptance
- 1 Installation & commissioning w/o beam
- Jun 2024 to Mar 2025
- Commissioning beam from SIS100

→ Schedule Quite Stable



Backup Slides

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