

DFX Conceptual Design review Introduction to open topic

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Introductory remarks

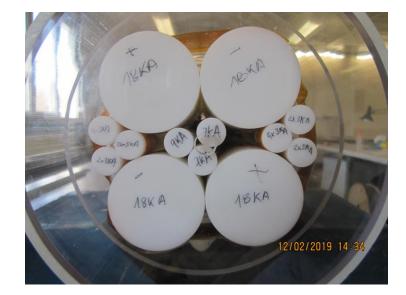
- DFX design: weekly meeting (chaired by Y. Yang) as from Nov. 2018. Participants: Y. Yang. W. Bailey, A. Ballarino, R. Betemps, S. Claudet, J. Fleiter, I. Falorio, V. Parma, A. Perin, D. Perini
- DFX vertical concept elaborated in July 2018, after in-depth study of (two) other options, and adopted after in-depth evaluation of pro and cons. At the time, the MgB₂ to Nb-Ti splices have been taken out from the DFX (they are now part of the SC Link, with only Nb-Ti cables entering the DFX)



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Boundary conditions for **the electrical termination of SC Link** (diameter and length for splices) were defined in July 2018, and then confirmed via validation mock-up(s)

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- Cryogenic operating conditions were questioned during the review meeting
 - DFX vertical concept has been maintained, and discussed cryogenic requirements incorporated in the same concept (last week, showing some flexibility in the design)