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The cryogenics system in pt 4: possible options

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LHC cryogenics at P4 will be briefly recalled and present cooling power availability and possible limitations will be presented. The RF requirements in terms of capacity, pressure stability, operating modes and possible coupling with LHC machine operation and transients will also be analysed and discussed.

Possible alternative cooling options for RF operation and sector 3-4 boosting will be analyzed together with the implications in terms of costs and resources. Controls requirements will be listed.

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