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## Alcoves requirement and integration, cabling concept

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The present base line features a 91 km circumference tunnel with eight access points. There will be a number of alcoves distributed around the ring, used to host equipment that needs to be shielded from radiation (e.g. racks, power supplies ...) and aimed to deserve a part of FCC tunnel.

In 2022 the known requirements of the systems expected to be installed in the alcoves have been identified and allowed to determine their surface and the recurrence. The analysis of the cabling from the alcoves along the tunnel has been approached as well.

The aim of this presentation is to provide a feedback on the outcome of the studies of the alcoves, and to present the preliminary evaluation of the impact of cabling on the tunnel in terms of space occupancy.

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