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Update on magnet and people transport vehicles and logistics simulation study

Tuesday, June 11, 2024 10:48 AM (18 minutes)

The presentation will provide an update on the concepts for the people transport vehicle and the magnet transport vehicle. It will also include new information on the logistics study for the transport and installation of the collider and booster ring in the underground tunnel.

The concept for the people transport vehicle is specifically designed to navigate the narrow tunnel of the FCC. The presentation will provide information on its design features, including vehicle dimensions, capacity for personnel and material, motorization, battery, and autonomous driving capabilities.

The general concept for the magnet transport vehicle has undergone further development, with a focus on the gripping systems adapted to the different types of magnets. The presentation will show the systems for the magnets used in the collider ring and booster ring.

Additionally, the presentation will share results of new experiments conducted as part of the logistics study for the installation of the collider and booster ring. These experiments were aimed at addressing the bottleneck caused by the shaft crane.

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