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Vacuum system –how to get ready for beam ?

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During the incident of sector 3-4, the two beam vacuum sectors of 2.8 km each and four insulation vacuum sectors i.e. 750 m were vented to atmospheric pressure. Besides the mechanical damages of the nested bellows and plug-in-modules due to the movement of the cold masses under the helium pressure, soot and debris of superinsulation were spread inside the beam and insulation vacua. The presentation will cover the extent of the damage from Q6R3 till Q6L4. The strategy deployed to repair, to clean and to qualify the damaged vacuum systems will be discussed. Scheduling and compatibility with beam operation issues will be also addressed.

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