

Cooling and Ventilation Group Activities on ISOLDE Tunnel & Class A Lab during LS1 and for HIE-ISOLDE Intensity upgrade

Monday 17 December 2012 18:05 (1h 25m)

Cooling and Ventilation group's activity can be split into two main tasks:

1. Upgrade works during LS1:
 - a. Modification of the Cooling and Ventilation systems due to the new targets handling robots to be installed inside the Tunnel;
 - b. Cooling and Ventilation of the Class A Laboratory in prevision of the MEDICIS Laboratory extension;
2. Design Study activities related to the intensity upgrade of the proton beam:
 - a. Modification of the Tunnel HVAC System;
 - b. Modification of the HRS and GPS cooling system;

In this contribution, I will present the activity performed during 2012 in order to integrate the ventilation and cooling systems to the new equipment that will be installed in the Tunnel and in the Class A Laboratory. The approach to the design of new ventilation system that will supply the MEDICIS laboratory will be mentioned as well.

Finally, a dedicated section will describe the contents of the Design Study Work Package (WP 6.2) relative to the upgrade of the Cooling and Ventilation systems in prevision of the Intensity upgrade of the proton beam.

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