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Long term stability and perspective of the ALICE-HMPID detector at LHC during Run3

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The High Momentum Particle IDentification (HMPID) detector successfully participated to the LHC Run 1 (2009-2013) and Run 2 (2015-2018) data taking periods, providing the expected contribution to the ALICE physics program. The detector showed so far very stable PID performance, ensured by the stability of its different condition parameters, i.e., MWPCs gain, photocathode quantum efficiency, and liquid radiator transparency. Approaching the LHC Run 3 period, the HMPID is fully integrated in the new ALICE computing framework (O2) and Trigger environment. The HMPID status and the activities undertaken to get the detector compliant with the new experiment requirements will be presented. The detector performance obtained with the first available data from LHC Run 3 period, will be discussed and the perspective of the physics contribution in the ALICE program will be shortly mentioned.

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