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Cross-sectional view of the in-vessel cryo-sorption pump installed in the Large Helical Device (LHD). Particles neutralized on the divertor plates pass through the water-cooled louver blind and then through the liquid nitrogen-cooled chevron-type shield. They are finally absorbed in the activated carbon, which is bonded on the cryo-panel (≈10 K) by the newly developed technique without any organic adhesives. (Takanori MURASE et al., Plasma and Fusion Research Vol. 11, 1205030 (2016) http://www.jspfor.jp/PFR/)