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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.jspf.or.jp/PFR/>)

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