TIME RESOLVED ICLAS SPECTROSCOPY of HO_2 RADICAL

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HO_2 radical absorption spectrum was recorded in the 1.22-1.27 mkm range with the spectral resolution 0.13 cm^{-1} using intracavity laser absorption spectrometer based on F_2^- color centers LiF laser. The rotationnaly resolved vibronic bands: (0,0,0)-(0,0,0), (0,2,0)-(0,1,0) and (0,0,2)-(0,0,1) of the $A' - A''$ electronic transition were analyzed. The mechanism of the forbiden rotational subbands appearence will be discussed.