

High Resolution Transit Spectroscopy of Hot Jupiters and Neptunes with NIRPS

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**Preliminary Results** 

Hot Jupiter WASP-80 b

retrieval with 2 transits

Water detection in initial



-6.414e4

-6.50

-6.75

-7.00

-7.25 8

Transit 1

250 -

225

200

175



Near infrared spectrograph: 0.95 -1.98 µm High resolution:  $R \sim 80000$ Installed at the ESO 3.6 m Telescope, Chile

de Montréal

## **High Resolution Transmission Spectroscopy**

