

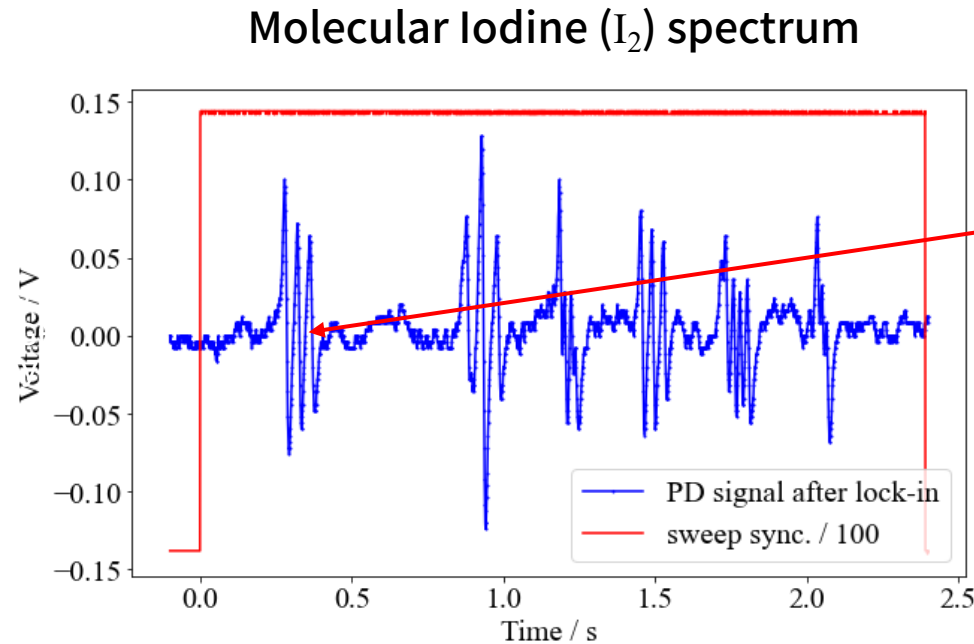
# Frequency stabilization of $^{221}\text{Fr}$ D2-line laser using iodine spectrum

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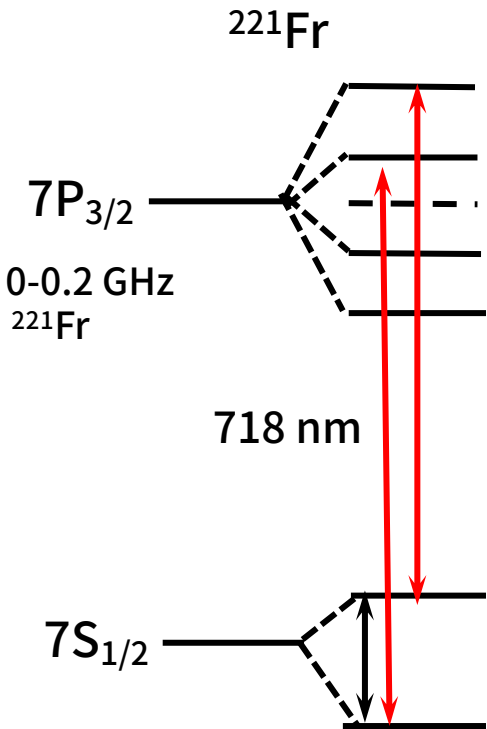
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Measurement of  $^{221}\text{Fr}$  atomic EDM

→ Used iodine to frequency stabilize cooling laser of  $^{221}\text{Fr}$



a line only 0-0.2 GHz  
away from  $^{221}\text{Fr}$   
D2-line



Ti;Sa laser is **successfully locked to iodine spectrum.**