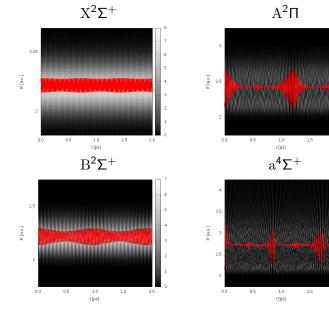
CO⁺ field-free, single curve propagation



) 1.5 2.0 3)

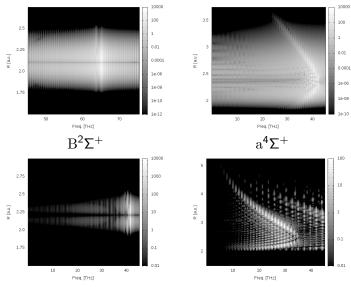
2.0

500

CO⁺ field-free, single curve curve power spectra





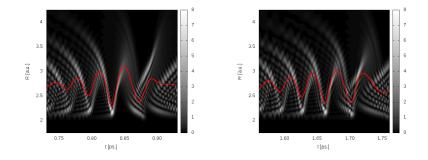


Sac

CO⁺ field-free, single curve propagation

Remaining issues:

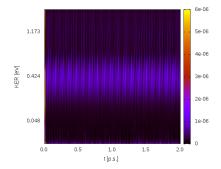
• Anomalies in $a^4\Sigma^+$ vibrational revivals, wavepacket oscillations



 Calculated max. beat frequency and beat frequency separation deviate from geometrically predicted results

CO⁺ KER spectra

► A²Π, C²∆ coupled channel propagation for 15 fs, 800 nm pump and probe laser pulses



▶ Plan to simulate $X^2\Sigma^+$, $B^2\Sigma^+$, $a^4\Sigma^+$ coupled channel propagation with $C^2\Delta$

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Need to calculate dipole transition matrix elements

CO⁺ KER power spectra

 A²Π, C²Δ coupled channel propagation power spectra is only noise

