



Figure 1: High-resolution dual-comb spectroscopy with a III-V-on-silicon mode-locked laser. (a) Experimental setup. (b) apodized dual-comb spectrum with resolved comb lines. The spectrum is recorded in the radio-frequency domain and the frequency scale is rescaled to the optical domain. The intense comb line is the beat note between the injection-locking comb mode and the carrier of the EO comb at 187.38 THz. (c) a magnified view of (b) with three unapodized comb lines of 1-GHz spacing. CW: continuous-wave. EO: electro-optic