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Though **PAL30phi** has been well characterized by our study, there are several open questions that remain for me— some of which are specific to **PAL30phi**, and some of which are more general to the implications of the phases that we discovered.

Specific Questions

Polarization Current vs. Optical Tilt

Model for Polar Switching

Model for Helical Fluctuations

Structure-property Relations

General Questions

Onset of Chirality

Bent-Core vs. Calamitic

Point-Group Chirality vs Ensemble Chirality

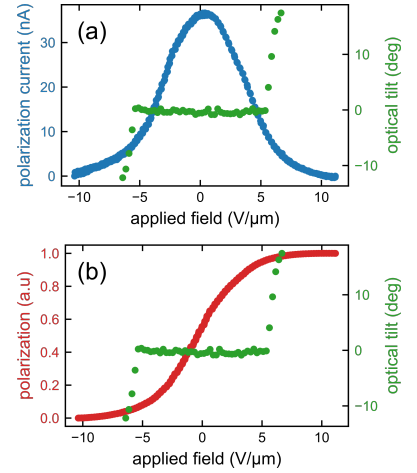


Figure 1: Polarization and optical tilt of **PAL30phi**. (a) The polarization current (PC) and the optical tilt. (b) The cumulative integral of the PC, $P(E) \propto \int_{E'=0}^{E'=E} dP/dE' dE' + A$, should be proportional to the total polarization, with offset A , plotted with the optical tilt.