

Abstract Submitted
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Observation of a possible tetrahedratric phase in bent-core¹ DAVID WIAN, Kent State University, KRISHNA NEUPANE, SUNIL SHARMA, AN-TAL JAKLU, JAMES GLEESON, SAMAEL SPRUNT — Combined measurements of optical birefringence induced by high magnetic fields and dynamic light scattering have been performed on bent-core liquid crystals at temperatures above their clearing points. The results of these measurements provide compelling evidence of a phase transition between two optically isotropic phases that is consistent with the development of a novel “tetrahedratric” form of orientational order.

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