北京大学量子材料科学中心

International Center for Quantum Materials, PKU

Special Seminar

Leap of Topological Physics: Learning from Honeycomb Structure

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Time: 2:00pm, Oct. 17, 2017 (Tuesday)

2017 10 17 2:00

Venue: Room W563, Physics building, Peking University

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Honeycomb lattice plays an extremely important role in fostering topology physics as known from the Haldane model and the Kane-Mele model [1]. Recently, we propose a way to achieve all-dielectric topological photonics starting from honeycomb structure. We identify a pseudospin degree of freedom in electromagnetic (EM) modes hosted by honeycomb lattice, which can be explored for establishing topological EM states with time-reversal symmetry TETQ000000547 0 571.2 87.8reW*nBF10 11.04 Tf1 0 0 1 79.771.2 87.1.2 87.8reW*nBET2TQ000000547 0 57