## 24th Australian Institute of Physics Congress



Contribution ID: 302 Type: Poster

## Magnetic Monopole Response for an Electric Charge Near Multilayer Composites with Topological Insulator

Tuesday 13 December 2022 18:45 (15 minutes)

One key challenge in the search for new Topological Insulators (TI) is their characterization. Through theoretical modelling, we identify a method to improve the magnetic monopole response of TI which can be used to rapidly characterize the properties of TIs.

**Authors:** Mr PAVEZ, Benjamin (Institute of Physics, Pontificia, Universidad Católica de Chile, Santiago, Chile); GIB-SON, Brant C (ARC Centre of Excellence for Nanoscale Biophotonics, School of Science, RMIT University, Melbourne, Victoria 3000, Australia); Mr DVORQUEZ, Eitan (Institute of Physics, Pontificia, Universidad Católica de Chile, Santiago, Chile); Prof. MAZE, Jero R. (Institute of Physics, Pontificia, Universidad Católica de Chile, Santiago, Chile); Dr SUN, Qiang (Australian Research Council Centre of Excellence for Nanoscale BioPhotonics, School of Science, RMIT University, Melbourne, VIC 3001, Australia); GREENTREE, Andrew (RMIT University)

**Presenter:** Dr SUN, Qiang (Australian Research Council Centre of Excellence for Nanoscale BioPhotonics, School of Science, RMIT University, Melbourne, VIC 3001, Australia)

Session Classification: Poster session

Track Classification: COMMAD: COMMAD: Materials and device characterisations