## 1172-43-174 Hartmut Führ, , Germany, and Vignon S Oussa<sup>\*</sup>, 131 Summer Street, Bridgewater, MA 02325. *Phase retrieval for nilpotent groups*. Preliminary report.

This talk presents new results on phase retrieval for group representations. Precisely, we show that the (unitary) irreducible representations of nilpotent groups (finite and infinite) allow phase retrieval. This is joint work with Hartmut Führ. (Received August 26, 2021)