

## Study of the scalar box diagram through the Loop-Tree Duality

### Content

In this poster we will review the standard computation of the box diagram in DREG and through the application of the Loop-Tree Duality (LTD). We present the origin of infrared and ultraviolet singularities in the framework of LTD.

**Primary author(s) :** AGUILAR QUIROZ, Jesús Andrés (FCFM-UAS); Dr. HERNÁNDEZ-PINTO, Roger José (FCFM-UAS)

**Presenter(s) :** AGUILAR QUIROZ, Jesús Andrés (FCFM-UAS)

**Session Classification :** Poster session

**Track Classification :** Posters