International Joint Workshop on the Standard Model and Beyond 2024 & 3rd Gordon Godfrey Workshop on Astroparticle Physics

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Lessons from the by-gone anomalies: From Data to Models to Theories

Thursday 12 December 2024 17:20 (30 minutes)

During the last few decades, many experimental anomalies were reported and then most of them eventually disappeared. Very often they employ simplified or phenomenological models in order to interpret anomalous data. I will show a few examples where this common approach largely fails, and emphasize that it is important to interpret the anomalous data in mathematically consistent models.

Presenter: Prof. KO, Pyungwon (KIAS (Korea Institute for Advanced Study))

Session Classification: Plenary