

Enhanced Softness in $TJ^{\{\bar{\}}}$ deformed Field Theory
Tomotaka Kitamura
Rikkyo University

While including irrelevant operators, $TJ^{\{\bar{\}}}$ deformed field theory is expected to be UV complete with Lorentz violation. This theory has shift symmetry. In this talk, we discuss whether $TJ^{\{\bar{\}}}$ deformation not only gives a good UV behavior but also offers a good IR behaviors due to the hidden generalized shift symmetry. Thus, we discuss whether IR symmetry enhanced due to the soft limit in $TJ^{\{\bar{\}}}$ deformed field theory.