Contribution ID: **10** Type: **not specified**

Albertus Panuluh "Renormalization group effects in the quark sector of universal seesaw model"

Tuesday, 7 November 2023 17:00 (25 minutes)

We study the quark sector of the universal seesaw model with SU(2)L × SU(2)R × U(1). This model aims to explain the mass hierarchy of the quark sector by introducing the corresponding vector-like quark (VLQ) for each ordinary quark with different hierarchical masses. We integrated out the VLQs one by one within the tree-level matching and also took into account the one-loop renormalization group (RG) effect. Then we aim to examine this quantum correction effect on the ordinary quarks' mass hierarchy.

Session Classification: Short talks