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SO(3) family symmetry, the axion and the flavor puzzle

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The understanding of flavor and the strong CP problem could be closely related. Motivated by the idea of Comprehensive Unification of elementary particle forces and families, we propose a minimal SO(3) flavor extension of the of the Standard Model which accounts for the observed fermion mass hierarchies, and provides a dynamical understanding of quark mixing and CP violation.

Presenter: REIG, Mario (Instituto de Física Corpuscular (IFIC))Session Classification: Parallel Session on Flavor and EFTs