Contribution ID: **47**   Type: **not specified**

Poster "Spontaneous Symmetry Breaking and Goldstone Theorem"

Thursday 23 May 2024 10:30 (1h 15m)

Abstract: "We discuss the concept of spontaneous symmetry breaking and illustrate it with a general example. We consider Wigner-Weyl and Nambu-Goldstone realisations of symmetry in the quantum theory. Next, we state Goldstone's theorem and sketch its proof. We discuss why quantum chromodynamics is not realised in the Wigner-Weyl mode. We also consider different order parameters of spontaneous chiral symmetry breaking."

Presenter: SZYMAŃSKA, Emilia (University of Wrocław)

Session Classification: Kindergarten