



Contribution ID: 28

Type: **Oral**

Solitons in quantum field theory

Monday, 25 November 2024 14:00 (30 minutes)

In the instant-time formulation of quantum field theory, solitons correspond to states. We present a new formalism for treating these states. The formalism is much simpler and easier to use than previous formalisms, making many previously impractical problems now practical. We have used it to calculate soliton masses, spectra, form factors, and scattering amplitudes, as well as the decay rates of excited solitons. Our long-term goal is to treat the monopoles whose condensation may be responsible for confinement in QCD.

Primary author: EVSLIN, Jarah (Institute of Modern Physics, CAS)

Presenter: EVSLIN, Jarah (Institute of Modern Physics, CAS)

Session Classification: Parallel-3