

CP Violation: 50 Years on

Jack Steinberger

Did people anticipate CP violation before its discovery?

What was your reaction when
you heard about it?

You and John Bell made a famous analysis of the different effects of CP and CPT violation in the K-Kbar system. How did that paper come about?

The conventional formulation of quantum mechanics played a key role in that paper. Do you think it is important to check the fundamental principles of quantum physics, such as entanglement and (de)coherence, subjects that interested greatly John Bell?

Subsequently you have done many important experiments on CP violation. What seemed to you the most important experiments to do following Fitch & Cronin, and what subsequent experiments have impressed you most?

What seem to you now the most important questions in CP violation?

Are you still interested in the possibility of CPT violation?

How important do you think it is to
perform experiments questioning
fundamental principles?