

Measurement of $K^+ \rightarrow \mu^+ \nu_\mu \gamma$ decay form factors in OKA experiment

Tuesday, 23 October 2018 18:00 (15)

A precise measurement of the vector and axial-vector form factors difference $F_V - F_A$ in the decay $K^+ \rightarrow \mu^+ \nu_\mu \gamma$ is presented. About 100K events of $K^+ \rightarrow \mu^+ \nu_\mu \gamma$ have been selected in OKA experiment. The result is $F_V - F_A = 0.13 \pm 0.02(stat.) \pm 0.02(sys.)$. Both errors are two times lower of the first measurement of $F_V - F_A$ in ISTRa experiment. The presented result is considered as preliminary.

Primary author(s) : KRAVTSOV, Vladimir

Presenter(s) : KRAVTSOV, Vladimir

Session Classification : Particle Physics

Track Classification : Particle physics