The primary purpose of NA62 is the measurement of the decay of the charged kaon in a charged pion and a neutrino-antineutrino pair, one of the rare phenomena foreseen by the Standard Model, which accurately predicts how this particular transformation occurs about once every ten billion of decays of the charged kaon. In addition to providing a precision test for the Standard Model, NA62 measurements will therefore be able to indicate the presence of new physics effects in a complementary way to the research carried out by the LHC (Large hadron Collider) at CERN.

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