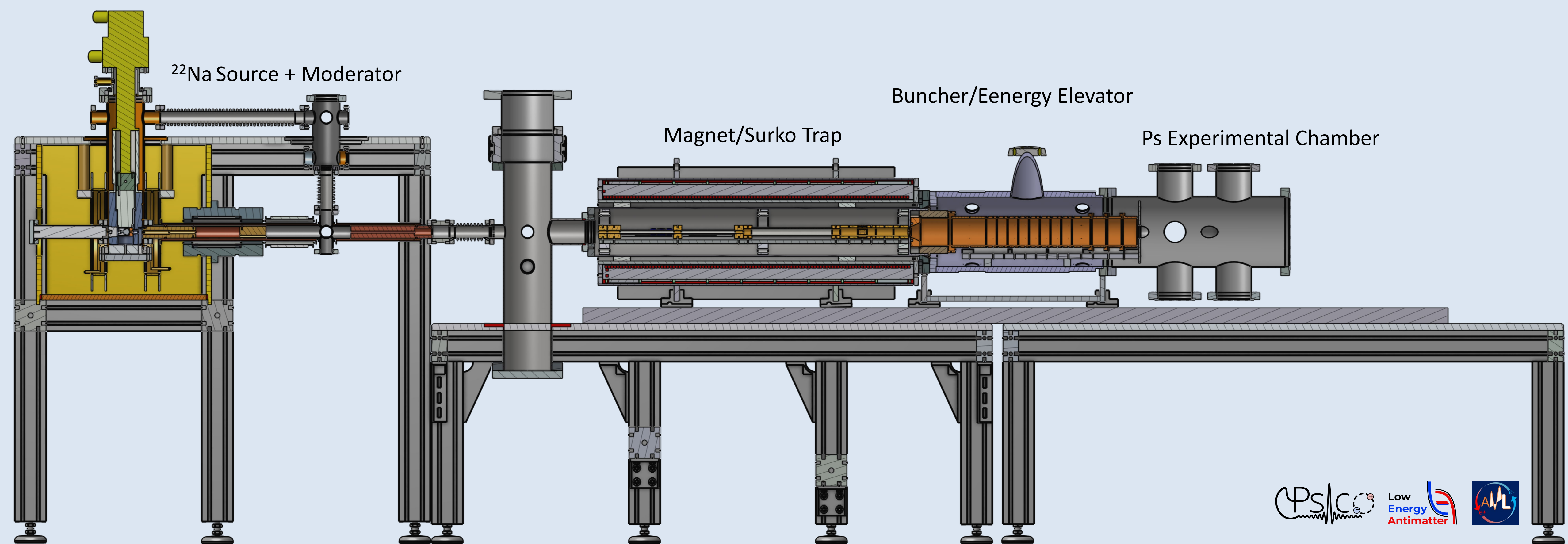
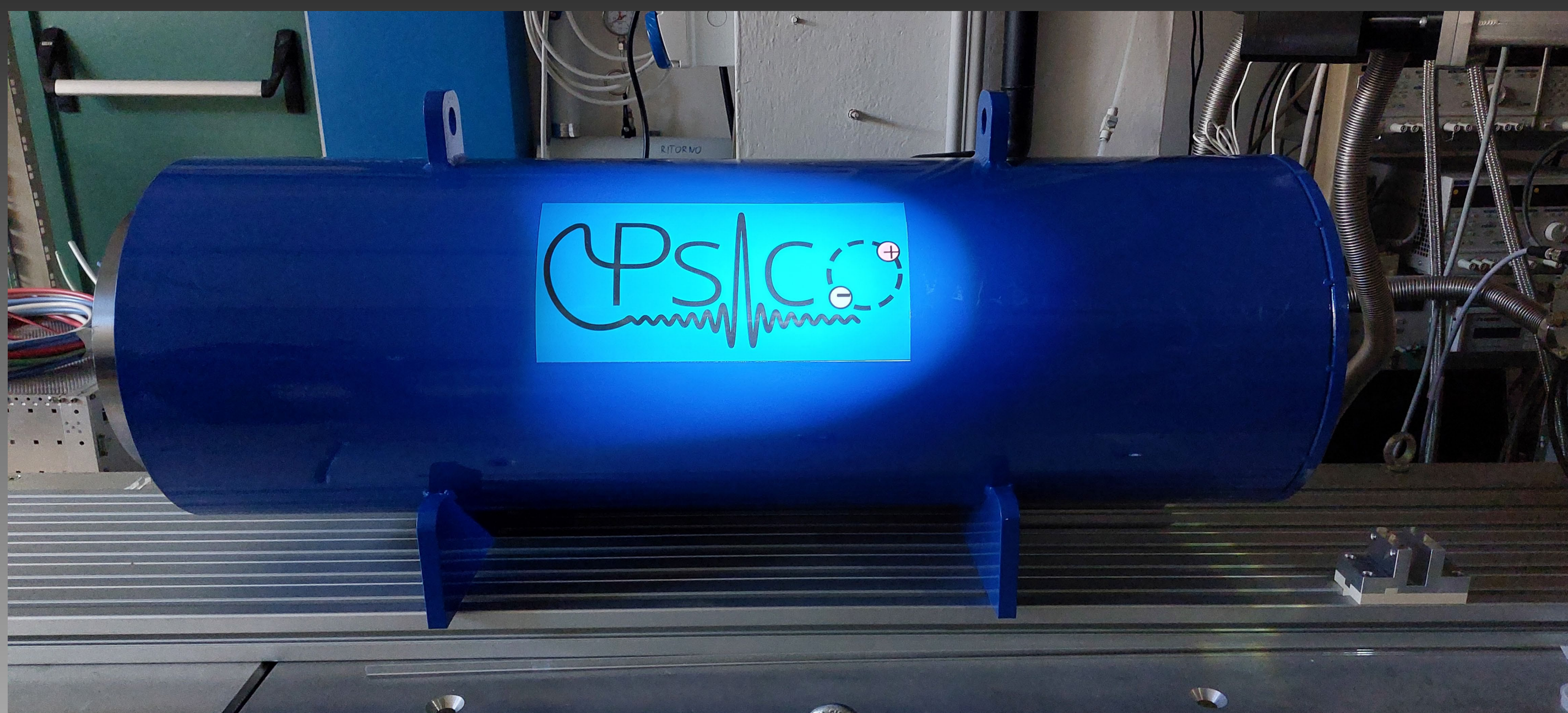


PsICO aims to produce a positronium (Ps) beam excited to the long-lived 2^3S state for the following:

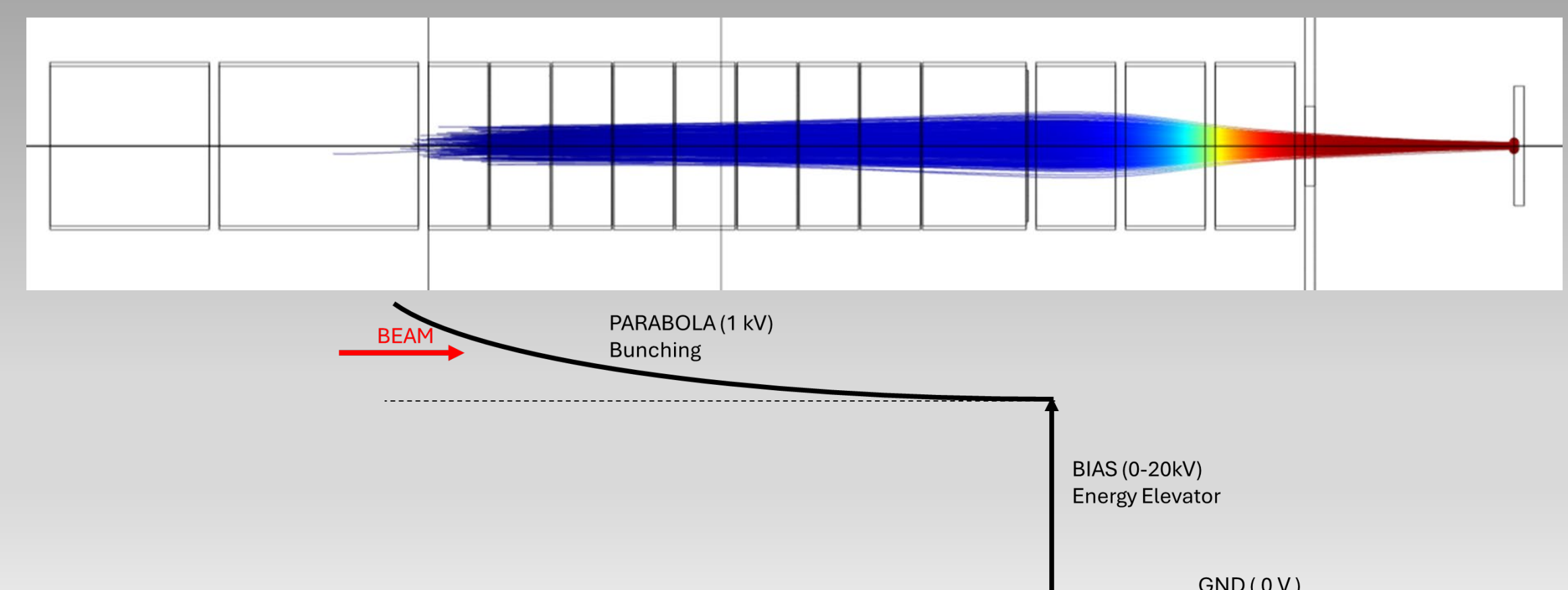
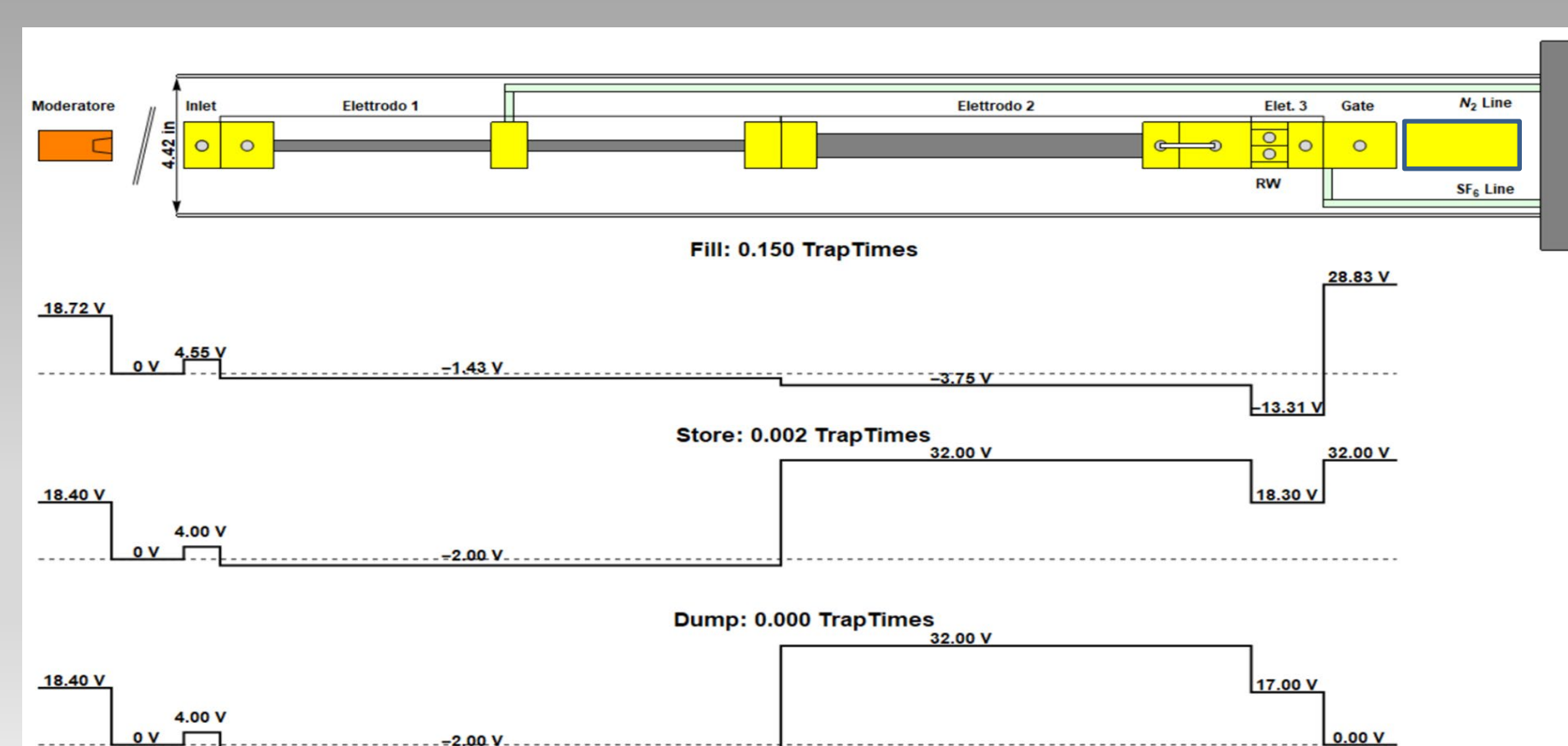
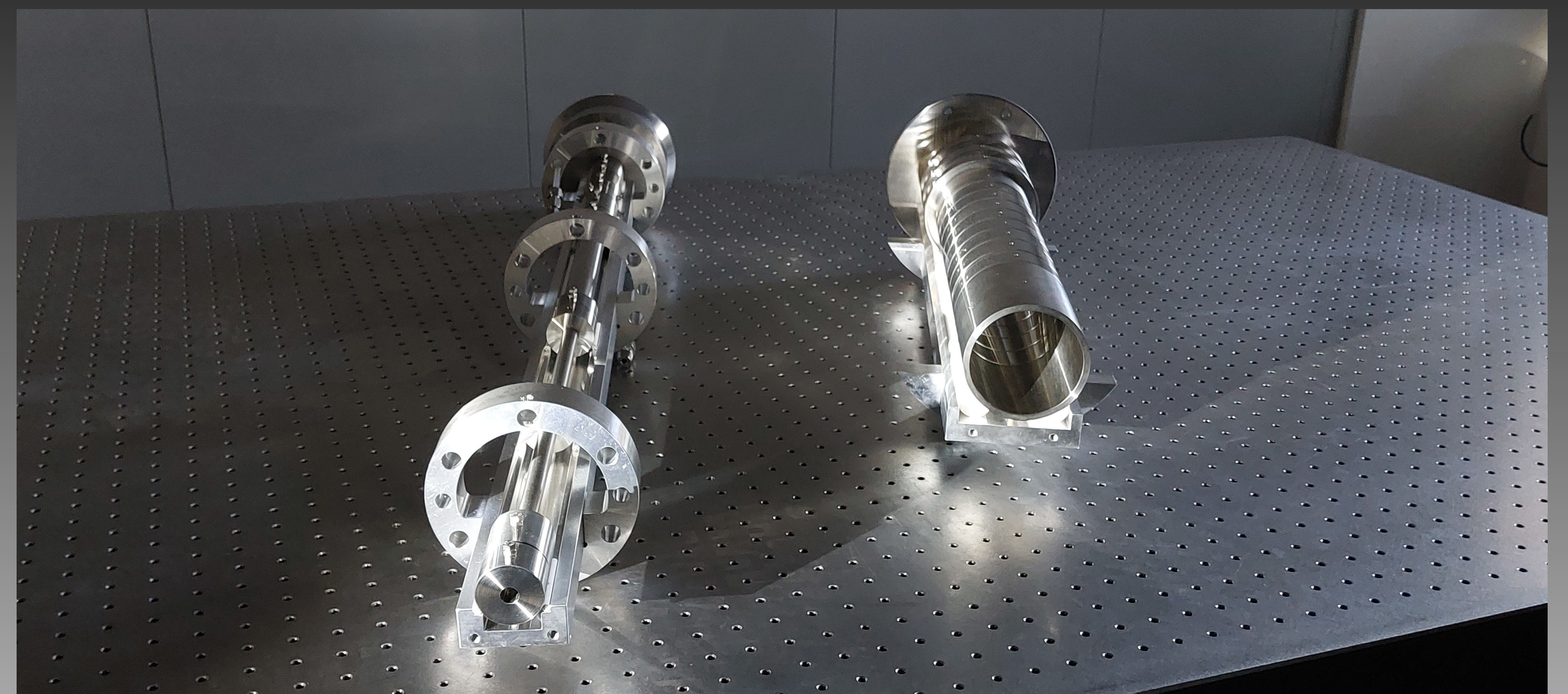
- i) investigate the entanglement of the 3γ coming from the annihilation of Ps, prepared in selected quantum states
- ii) measure inertial sensing with the purely leptonic system



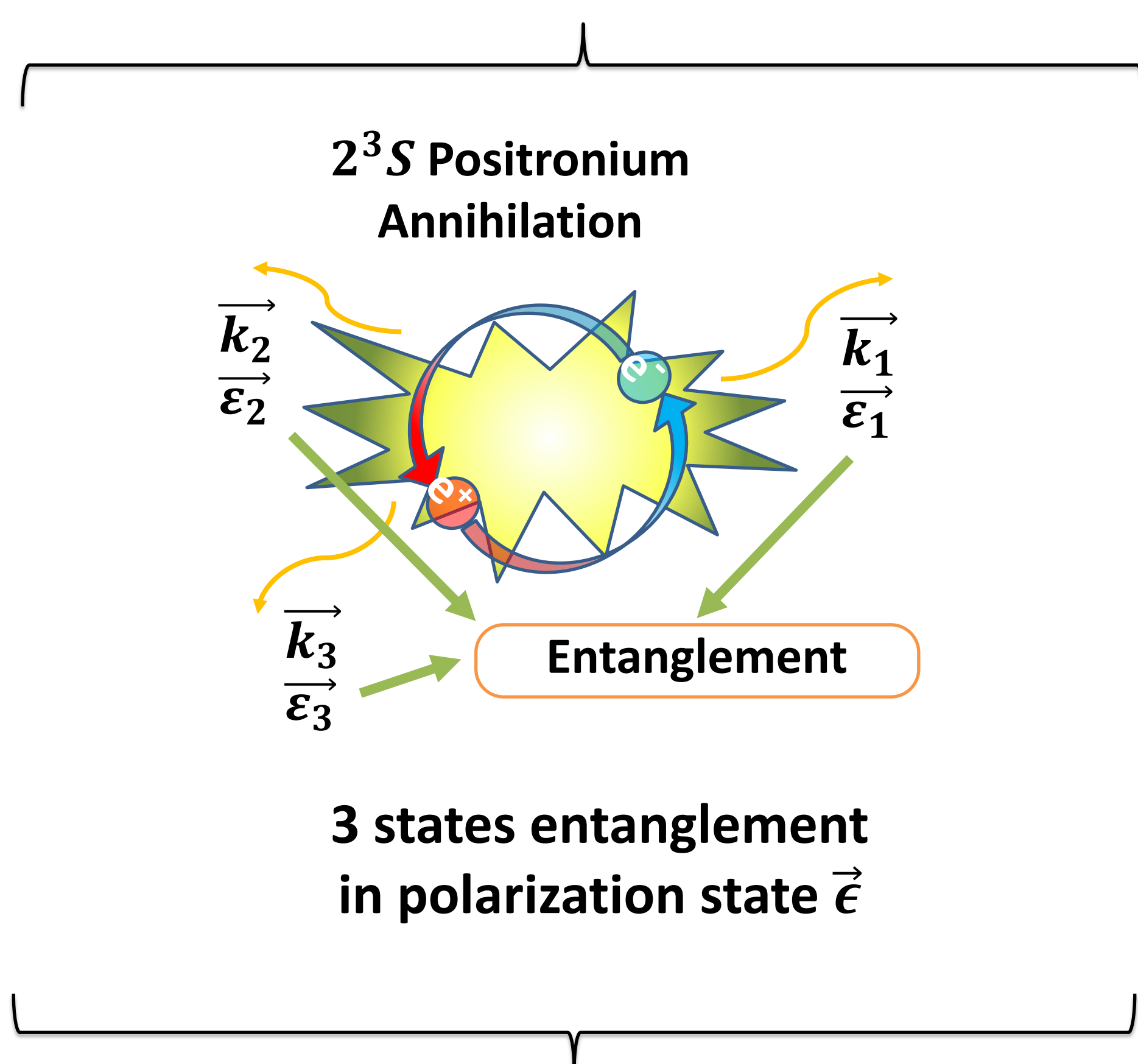
MAGNET OF THE SURKO TRAP



SURKO TRAP AND BUNCHER OPTICS



i) entanglement detection



ii) inertial sensing detection

