

RuPAC submission structure

- abstract
- Introduction
 1. Baryon asymmetry
 2. Sakharov conditions (CP violation)
 3. EDM indicates CP-violation
 4. JEDI a precursor experiment
 5. Experimental conditions for the dedicated experiment
 - **Lattice:** motion stability, beam loss
 - **Polarization:** life-time 1000 secs
 - **Systematic errors:** small enough to measure the frequency with $1 \cdot 10^{-9}$ precision
- FS and QFS concepts
- Spin tune decoherence
 - Definition
 - Problem for the measurement of the EDM
 - Cause
 - Reduction: RF, Sextupoles.
- Systematic errors
- Statistical requirements
 - Factors affecting statistical precision
 - * Predictor variable spread (total measurement time)
 - * Measurement uncertainty (dependent & independent variable)
 - * Modulation and *spacing* of sampling times
 - Simulation results

1 Relationships

