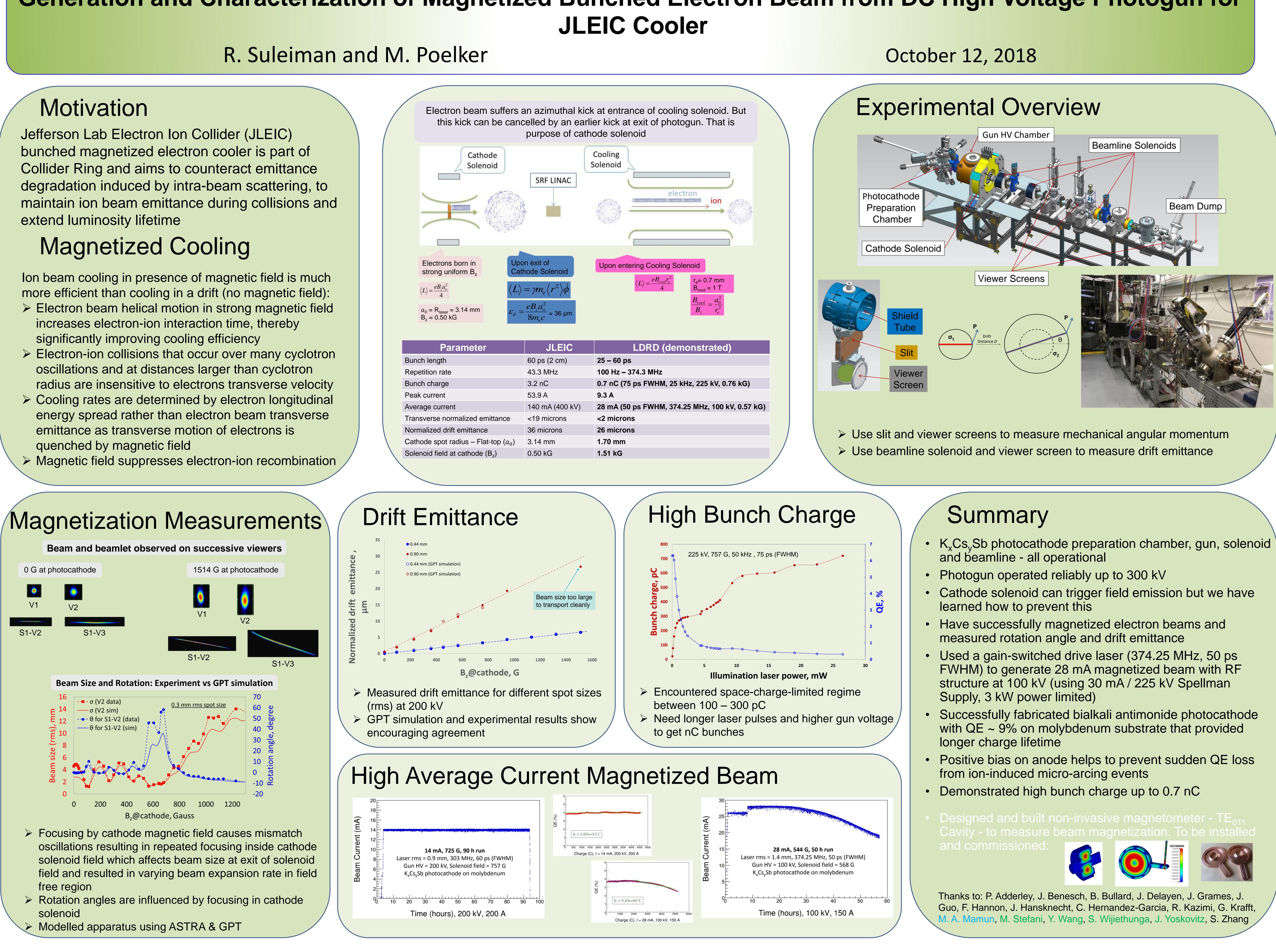
Generation and Characterization of Magnetized Bunched Electron Beam from DC High Voltage Photogun for JLEIC Cooler

- increases electron-ion interaction time, thereby significantly improving cooling efficiency
- oscillations and at distances larger than cyclotron
- energy spread rather than electron beam transverse emittance as transverse motion of electrons is quenched by magnetic field

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