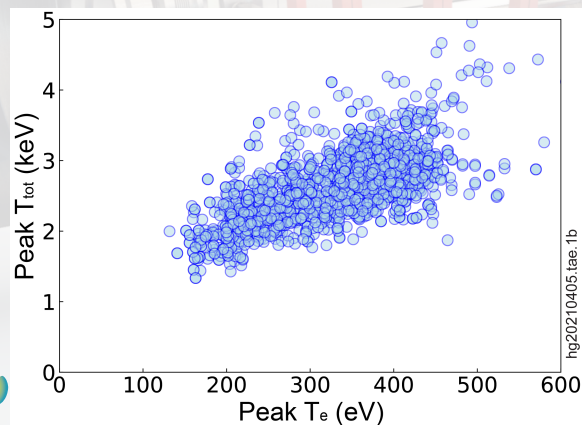
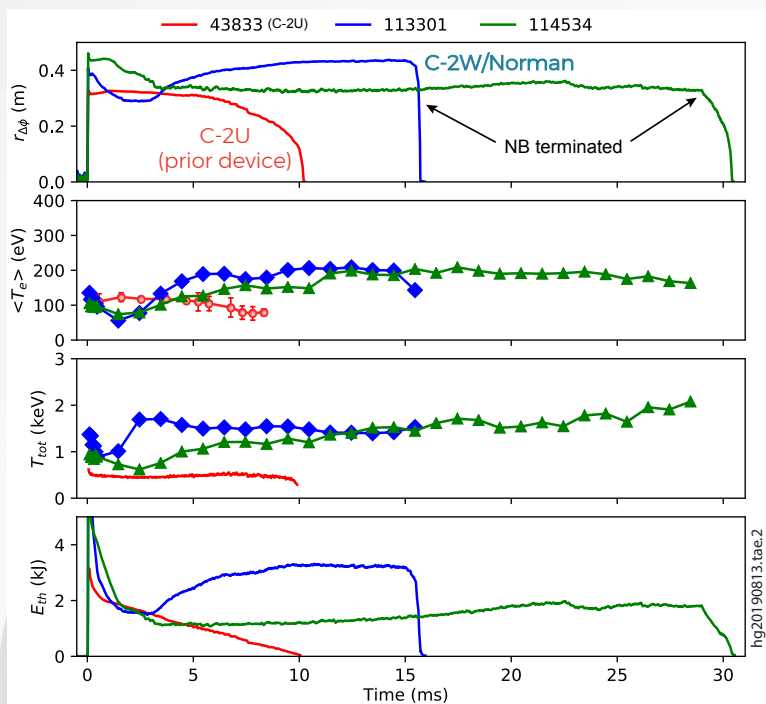


# AIC/1-1 Overview of C-2W: High Temperature, Steady-State Beam-Driven FRC Plasmas



## Key Accomplishments on C-2W:

- Established reliable beam-driven high- $\beta$  field-reversed configurations (FRCs)
- Demonstrated FRC sustainment up to 30 ms via neutral-beam injection and edge biasing (limited by the energy storage on-site)
- Achieved total plasma temperature  $>3$  keV
- Extended operational boundary,  $S^*/E > 3$  (historical limit  $\sim 3$ ), without tilting FRC
- Implemented reliable machine/FRC optimizations, using advanced Optometrist Algorithm and active feedback plasma control systems
- Continued successful external collaborations