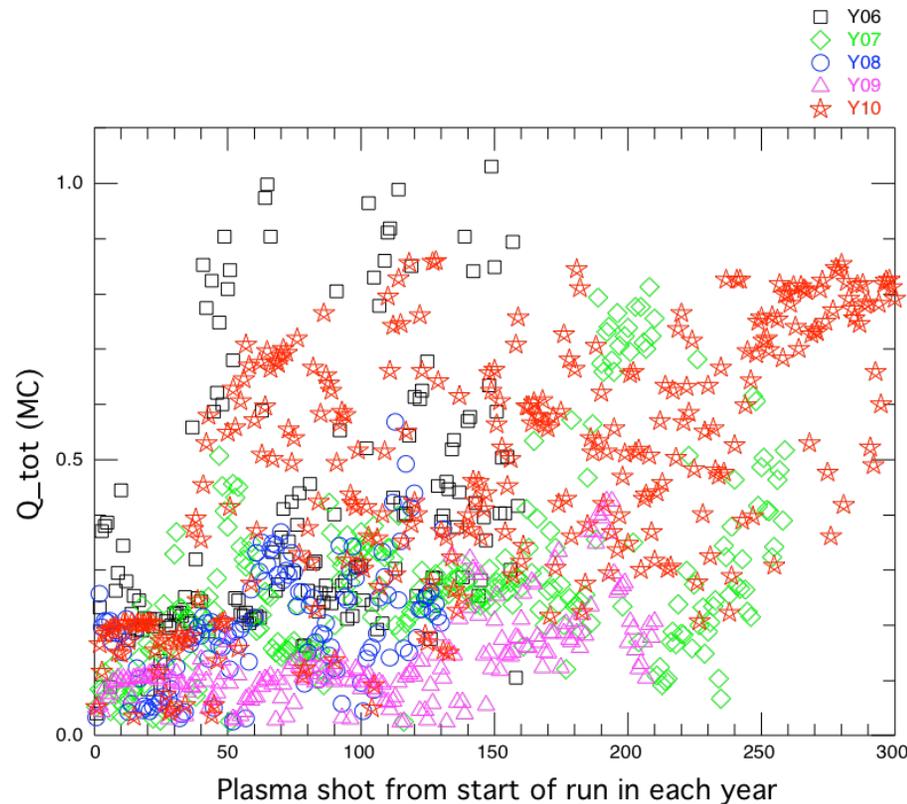


Total Charge Conducted by the Plasma During the First 500 Shot Numbers



- The total charge plotted against the plasma attempt in each run, defined as any shot where the plasma charge exceeded 25kC.
- The rate of progress has been quite variable, with 2009 clearly being the "worst" in terms of rate of progress. Interestingly, 2006 is the best, although only slightly better than 2010. The data for 2006 is a bit misleading because after 2 days of operation, a MPTS calibration was performed so there was a series of shots with no plasma current, which nevertheless these get counted as shot numbers in the plot. Also 2006 started up after only a week of bakeout which included a hot boronization at the end. However, after a few days of operation, it was decided that another week of bakeout was needed and followed that with a cold boronization.