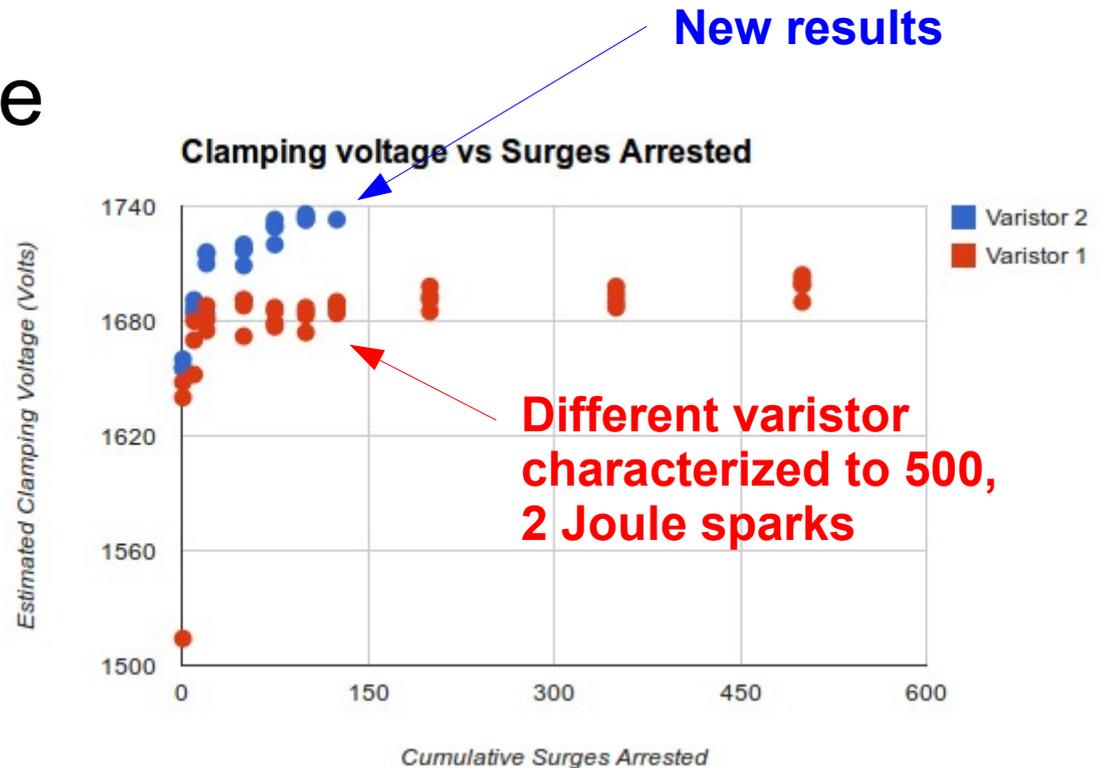


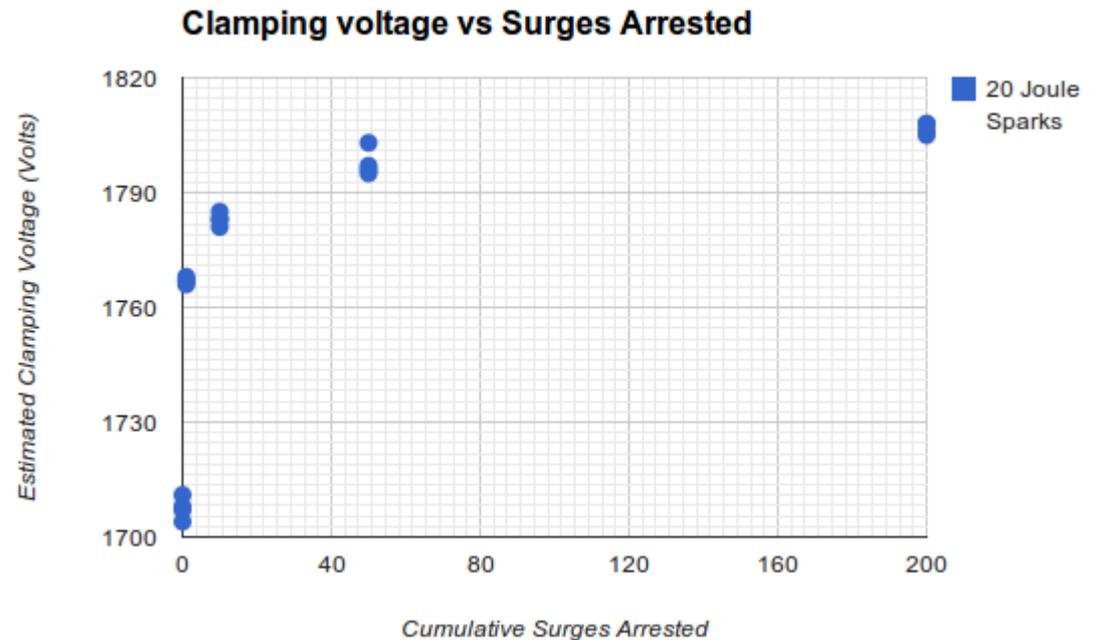
Varistor Update

- Finished characterizing a second varistor subjected to 75, 2 Joule sparks to verify the behavior that the clamping voltage does not degrade w/ a high number of sparks
 - It does not
 - Clamping voltage increases slightly with greater number of sparks (as previously seen)



Varistor Update

- Used “the b.e.a.s.t.” w/ 1 microfarad capacitor to deliver 20 Joule sparks to a new varistor
 - Clamping voltage increases with higher energy sparks
 - Clamping voltage increases slightly with greater number of sparks (as previously seen)



Varistor Update

- Today
 - Going to test varistors with MicroBooNE resistors up to the limit of the high voltage supply to demonstrate (hopefully) that they can protect the resistors in the instance of breakdown.