## THIS IS A SUGGESTIVE AVALANCHE MODE SCHEMATIC THAT SHOLD WORK WITH THE TIP31C

This voltage provides an Avalanche mode for the transistor.

Setting it to near 400V will produce a relaxation oscillator.

The voltage will ramp up until spontaneous avalanche breakdown occurs

Output to Discriminator
Sets exact time of avalanche
By monitoring the avalanche signal

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Setting the voltage to something between 300 and 370 will result in a quiescent near breakdown state sets exact time of avalanche

Sending in a 1V positive nim or other fast signal will instigate breakdown.

