

UPCOMING WORK IN DC SPARK SYSTEMS

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Tasks colour-coded by main user:

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Sys #		SEPT.	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH+
1	Experiments		Gap drift monitoring	Gap size effect on BDR vs E, Burning voltage, turn-on time, etc				
	Upgrades		Step-motor gap control					
2	Experiments	Non-contact BD measurement with iridium cathode	Manufacture of cratered samples for Anite & Initial testing of voidy samples, at suitable time when it doesn't interfere with the below				Temperature effect on BDR	Effect of voids on BDR
	Upgrades		Implementation of temperature control and integration of it with gap control					Dynamic electrical characteristics of gap? Install HRR hardware?
3	Experiments			Effect of magnetic field on BDR, reference meas w/o field	Effect of magnetic field on BDR, measurement with field		Effect of magnetic field on BDR, measurement with field (cont.)	
	Upgrades		High repetition rate circuit					

