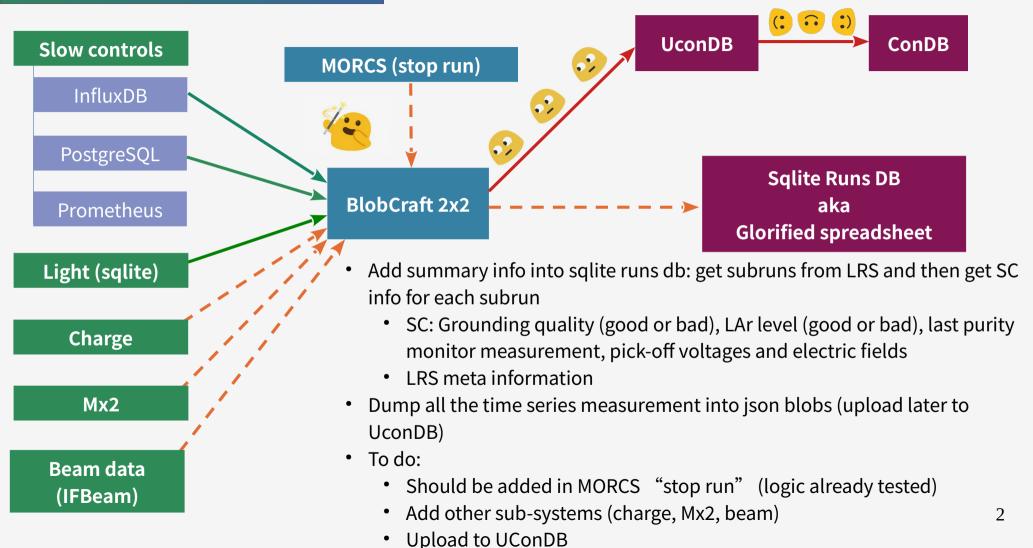
Towards a 2x2 Runs DB Sindhu Kumaran, Matt Kramer



Proposed runs db workflow



Proposed runs db workflow

time_periods						
id	t_start	t_end	run_num	crs_subrun	lrs_subrun	mx2_subrun
1			1	1	1	1
2			1	1	2	1
3			1	2	2	1
global_conditio	ons					
time_period_id	accel_clk_start	accel_clk_end	beam_power_avg	cryostat_pres	temperature	lar_level
1						
2						
3						
crs_conditions						
run_num	crs_subrun	t_start	t_end	asic_config	periodic_reset	trigger_mode
1	1					
	2					
Irs_conditions						
run_num	lrs_subrun	t_start	t_end	moas_version		
1	1					
	2					
mx2_conditions	S					
run_num	mx2_subrun	t_start	t_end	run_mode		

Individual measurements (grab the measurement name from SC_parameters.yaml file for now). --subsample option also available for coarser measurements

```
SC_query --start="2024-05-27" --end="2024-05-28" --measurement="LAr_level"
```

"all": Dump all measurements

```
influx_SC_db: cryos
- gizmo cryo
- module0_mpod0 LAr_
- module1_mpod0
- module2_mpod1
- module3_mpod1
- HVmonitoring
- VME_crate01
- VME_crate23
- ADC_crate
- pt100
```

```
cryostat_tag_dict:
cryostat_pressure: "34"

LAr_level: "37"

Description of the proof of the pro
```

Questions

- What information do we need for the beam?
 - Summary → what goes here?
 - Detailed spill by spill information to be merged with flow?
- LRS summary: do we need more than just the meta information (currently all info from summary table and moas versions)? Eg. SiPM_bias of all channels? VGA gain? (moas channels)
- Slow Controls:
 - Have we decided on the gizmo impedance and LAr level thresholds to tag a run as good/bad?
 - From cryostat, we have cryostat pressure and LAr level. Do we need more? (should ask Brandon)
 - Do we need any information from Prometheus at all? No infrastructure for this currently