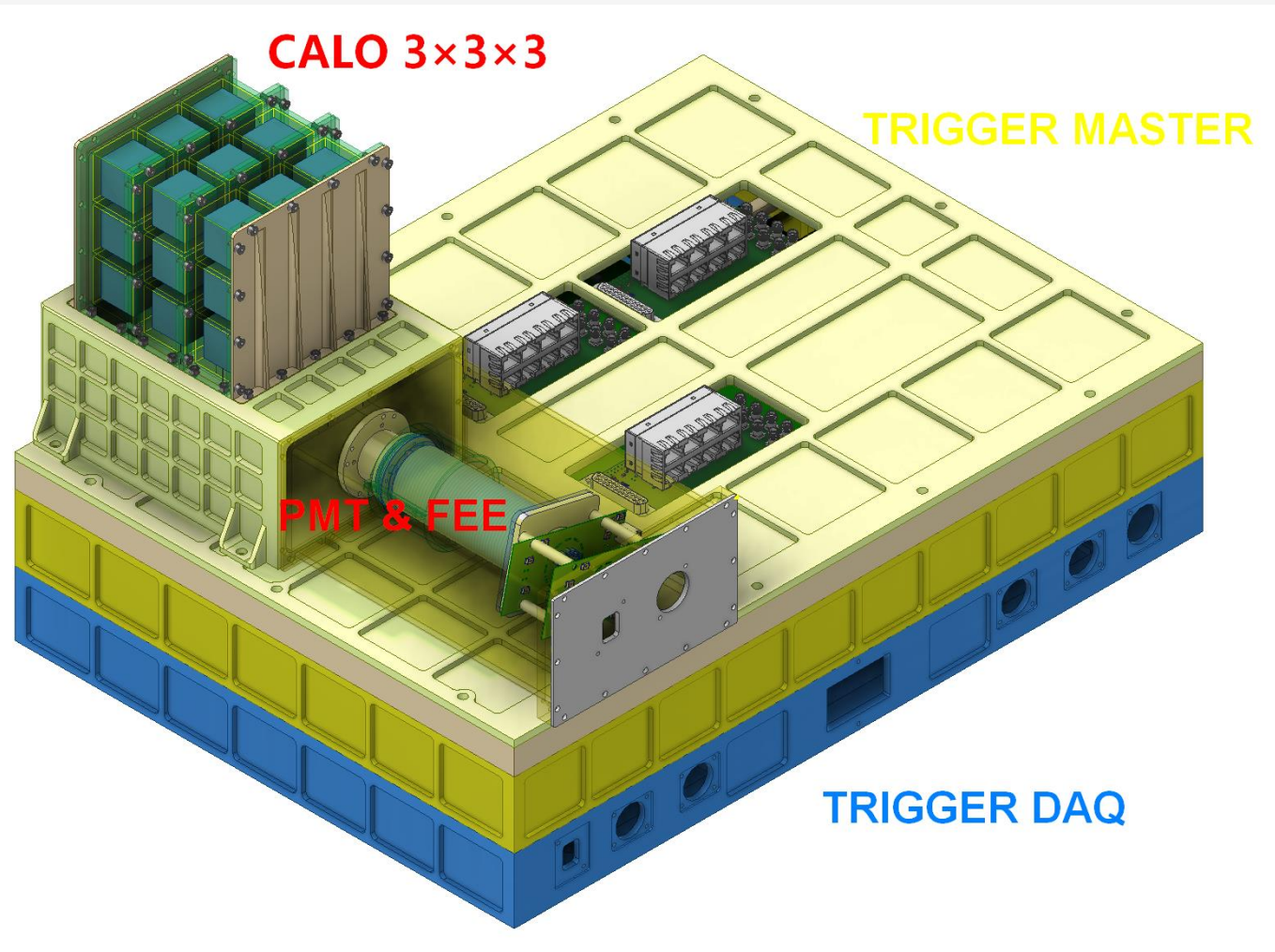


PMT trigger hardware & software

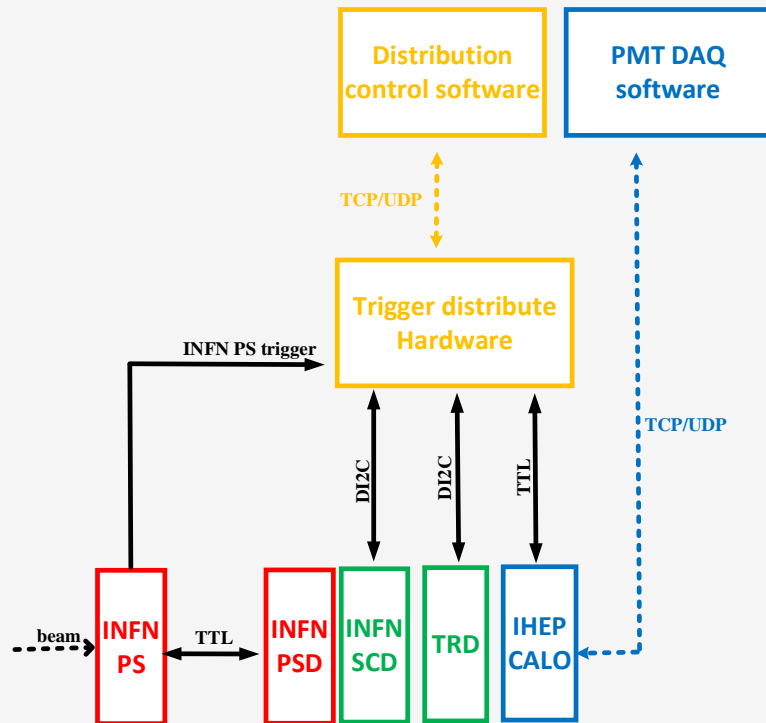


Trigger distribution software + hardware

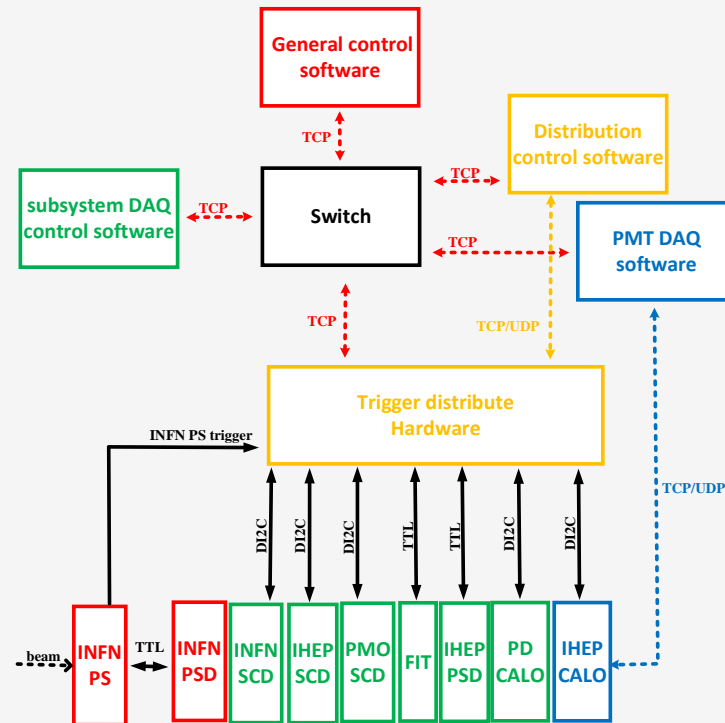
PMT DAQ software + hardware

interface	direction	channels
LEMO/TTL/5V	input	12
LEMO/TTL/5V	output	12
RJ45/MLVDS/DI2C	inout	12

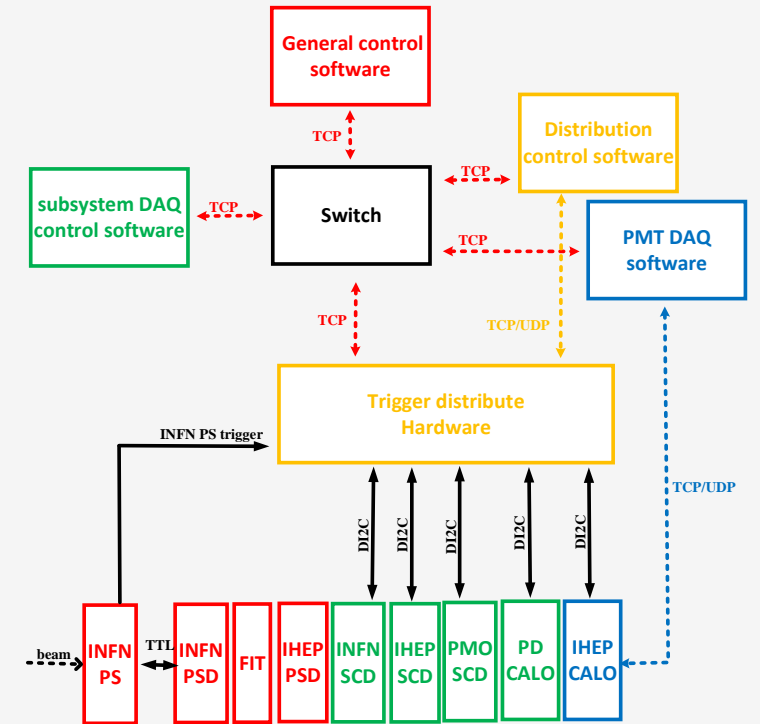
Trigger distribution configure proposal



2022.09 PS BT configure



2022.11 SPS BT proposal A



2022.11 SPS BT proposal B

Distribution control software

HERD-MASTER-DAQ

RUN015_BEAM_20220906_095514: RUNNING

Step1: Sub-System

<input checked="" type="radio"/> ALL	current status	current trigger serial
<input type="radio"/> ISCMOS-0	Running,External trigger	14338
<input type="radio"/> ISCMOS-1	Running,External trigger	14338
<input type="radio"/> TRD	Running,External trigger	14338
<input type="radio"/> PD	Running,External trigger	14338
<input type="radio"/> SCD-0	Running,External trigger	14338
<input type="radio"/> SCD-1	Running,External trigger	14338
<input type="radio"/> PSD-0	Running,External trigger	14338
<input type="radio"/> PSD-1	Running,External trigger	14338
<input type="radio"/> FIT	Running,External trigger	14338
<input type="radio"/> TRIGGER	status number: 1	14338

Step2: Trigger Mode

- periodic calibration spill-off calibration
 external trigger self trigger mixed trigger

Step3: Calibration Frequency

- 1Hz 10Hz 100Hz 200Hz 333Hz

CONFIG

START

STOP

live	beam	global	psd	unbias	normal	veto	trd trig	trd busy
24565615	15225	14338	198490	1060239	540600	14992	14338	14338

