irrad_batch

id	integer
name	varchar
date	timestamptz
angle	real
tgt_fluence	double precision
duration	real
base_press	double precision
start_curr	real
start_flux	generated always as (end_curr * cos(angle) * 5006.1731) stored
op_press	double precision
bm_volt	real
cath_curr	real
disch_curr	real
disch_volt	real
beam_curr	real
acc_curr	real
acc_volt	real
nutr_emiss	real
fil_curr	real
end_curr	real
avg_fluence	double precision
misc	jsonb

sample

edi_sample_id	integer
name	varchar
dimensions	varchar
composition	varchar
mfr_sample_id	varchar
batch	integer

image

id	integer
radial_loc	varchar
linear_loc	varchar
thread_loc	varchar
sample_id	integer
img_data	varbinary
path	varchar
avg_wavelength	float
id, radial_loc, linear_loc, thread_loc, sample_id	

line_measurement

id	integer
image_id	integer
radial_loc	varchar
linear_loc	varchar
thread_loc	varchar
sample_id	integer
meas_by	varchar
length	float
intercepts	integer
unit	varchar
image_id, radial_loc, linear_loc, thread_loc, sample_id	

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