## 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 |
| 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 |         |



## 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 |
| 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 |         |

