

CCDB Table for Relevant Quantities

- While we have the RCDB to store certain beam-related quantities, not everything is found there
- Ex. Measured beam polarization P_b , calculated target polarization P_t , calculated beam energy E_b , etc.
- Service work: collect relevant values and store them in CCDB
- Question for RGC: What values would be relevant for this table?
- Discussed with Raffaella: average beam current, measured P_b , P_t , beam charge (?), charge asymmetry (?)
- Note: variables that change run-by-run should have their own separate table (this new CCDB table has only 25 rows); put these in a spreadsheet
- Once it's ready, I'll present it to the software group

CCDB Table for Relevant Quantities

- Similar in structure to this table from /geometry/materials/target

Request: /geometry/materials/target:16000:default:2024-02-26_09-06-12

Constants information:

Table [\[/geometry/materials/target\]](#)
 Variation default
 Created 2024-02-26 09:06:12
 Run range 16000 - 16788
 Author silvia
 Exact id /geometry/materials/target:16000:default:2024-02-26_09-06-12
[\[Download text data\]](#)

Comment:

Data:

Show entries Search:

| sector | layer | component | name | material | density | Z | A | ZoverA | X0 | I | thickness | rmin | rmax | length | p1 | p2 | p3 | p4 | p5 |
|--------|-------|-----------|-------------|-------------|---------|---|---|---------|--------|-------|-----------|------|-------|--------|----|----|----|----|----|
| 0 | 1 | 1 | TARGET | NH3 | 0.5782 | 0 | 0 | 0.55 | 91.66 | 47.9 | 0.75 | 0 | 0.75 | 5 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 2 | CELL | PCTFE | 2.135 | 0 | 0 | 0.5 | 13.42 | 120.7 | 0.01 | 0.75 | 0.76 | 5 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2 | 1 | BATH | LHe | 0.147 | 0 | 0 | 0.5 | 668.94 | 41.8 | 3.0 | 0.76 | 3.76 | 20 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2 | 2 | BATHWALL | PCTFE | 2.135 | 0 | 0 | 0.5 | 13.42 | 120.7 | 0.076 | 3.76 | 3.836 | 20 | 0 | 0 | 0 | 0 | 0 |
| 0 | 3 | 1 | CRYOSTAT_AL | Al | 2.7 | 0 | 0 | 0.48181 | 8.89 | 166 | 0.163 | 4.5 | 4.693 | 20 | 0 | 0 | 0 | 0 | 0 |
| 0 | 3 | 2 | CRYOSTAT_CF | CarbonFiber | 1.75 | 0 | 0 | 0.51342 | 24.69 | 78 | 0.1 | 4.7 | 4.8 | 20 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Showing 1 to 10 of 25 entries