



VTT activities in SP B.4 in 2022

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1-slide summary of activities



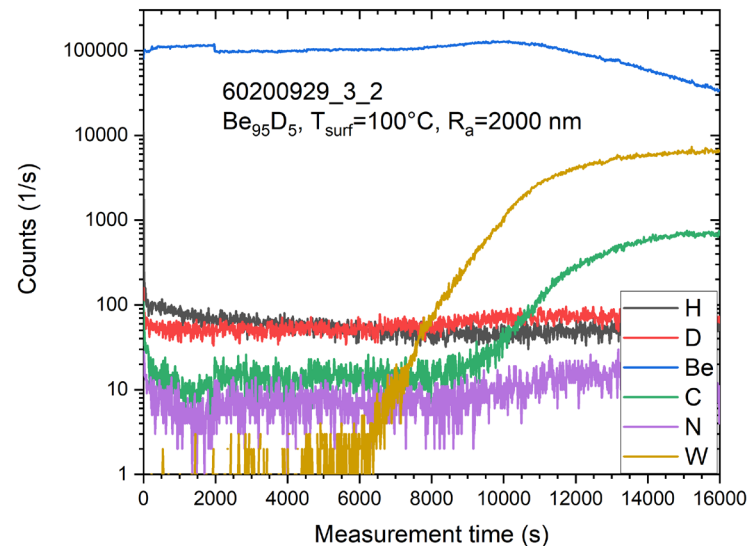
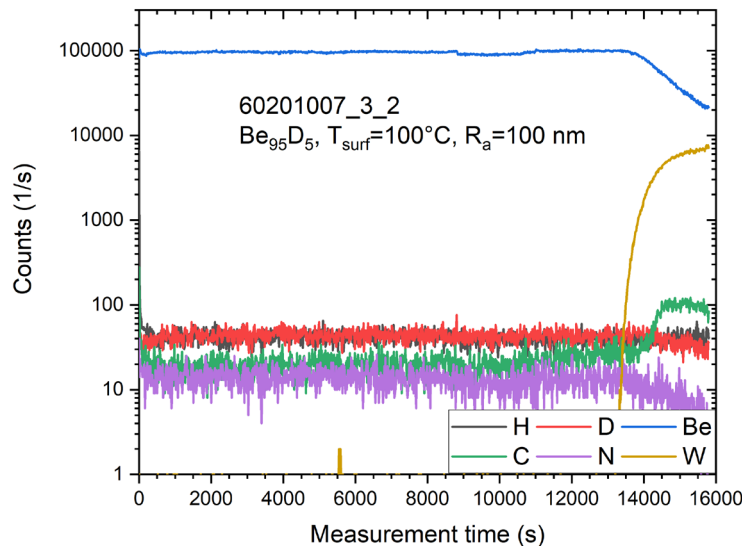
In SP B.4, VTT will take care of the following activities in 2022

1. SIMS analyses of Be and W reference samples

- ✓ Several samples pending for measurements (SIMS now occupied by WEST and JET samples)

2. Ion-beam analyses (incl. TOF-ERDA) of as-produced and implanted Be and W reference samples

- ✓ Production of references for quantifying SIMS data: implanting thick Be and W coatings as well as bulk graphite with different elements
- ✓ TOF-ERDA analyses of Be samples for their fuel content → continuing the work initiated in 2017-2020



Example: SIMS depth profiles from two otherwise similar Be samples with different roughness