

Working Group O4 (2/4 morning) – Minutes

Summary of the presentations

- Massimiliano Mattei gave a presentation to summarize the activity related to studies carried out in EU in 2019-early 2020, with the aim of taking into account 3D effects in the magnetic model used for the design of CS/EF nominal waveforms for the breakdown
- Daria Ricci gave a presentation about the activity related to EC assisted breakdown carried out in EU in 2019-early 2020 and some achievement obtained at TCV

Summary of the open discussion on breakdown

- coils misalignment have not been considered in breakdown studies carried out by Massimiliano Mattei, while QST did something, according to Urano's paper. Check this with QST possibly during next TCM

- Daria Ricci → "diagnostic for stray radiation may help during EC assisted breakdown also for protection issues"

- Carlo Sozzi asked Daria to review the studies done with the GRAY taking into account the magnetic null computed by Massimiliano Mattei → Gianmaria De Tommasi (GDT) will monitor

- GDT will send to Daria Ricci coordinates of the first wall during IC (**already done**)

As a general comment, also in view on the problem that will clearly arise given the worldwide spread of COVID-19, it is essential to push at least for RCA with QST. This is something that need to be agreed also with F4E