

DSF test bench update

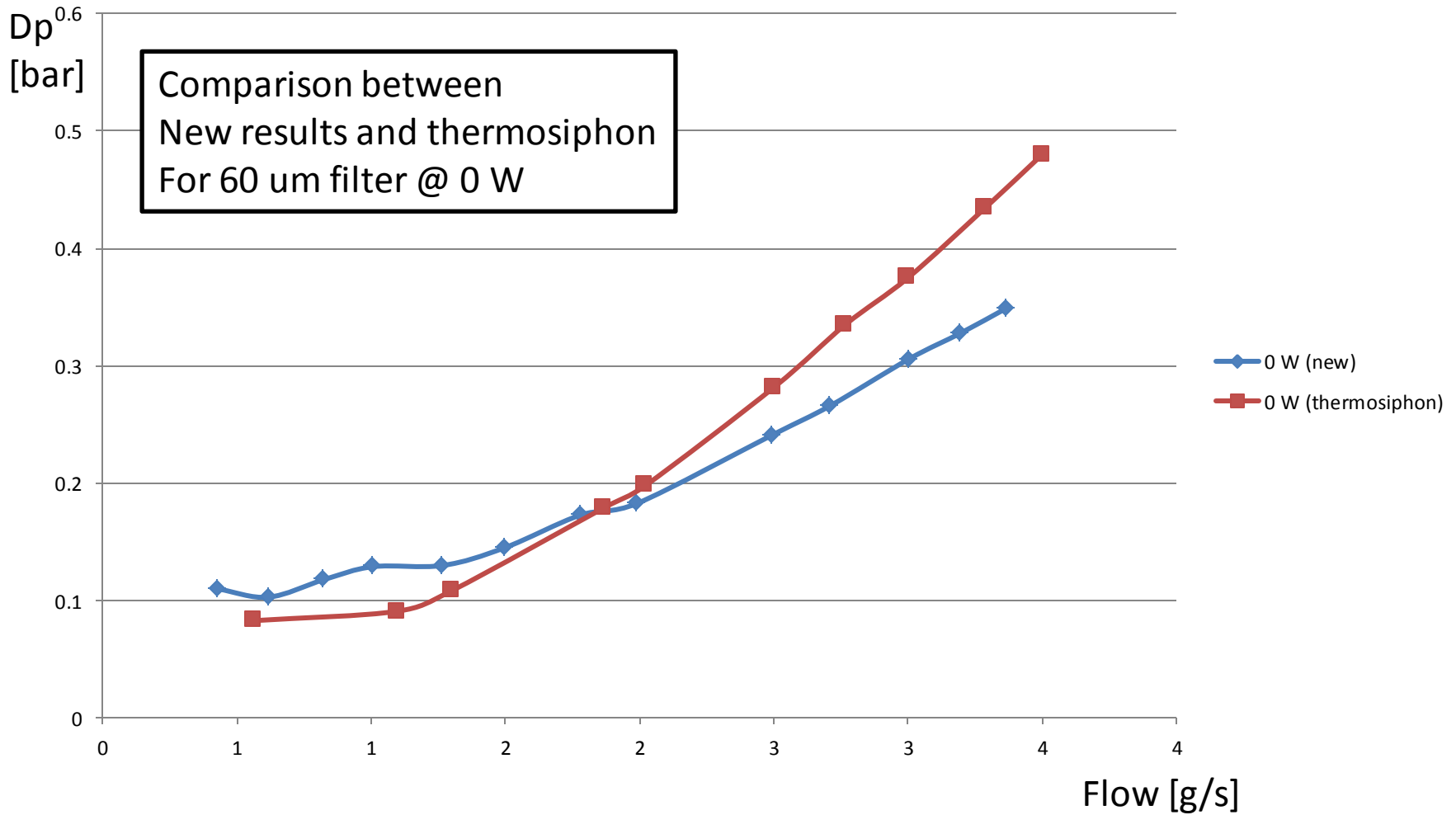
A. Francescon

ITS cooling meeting

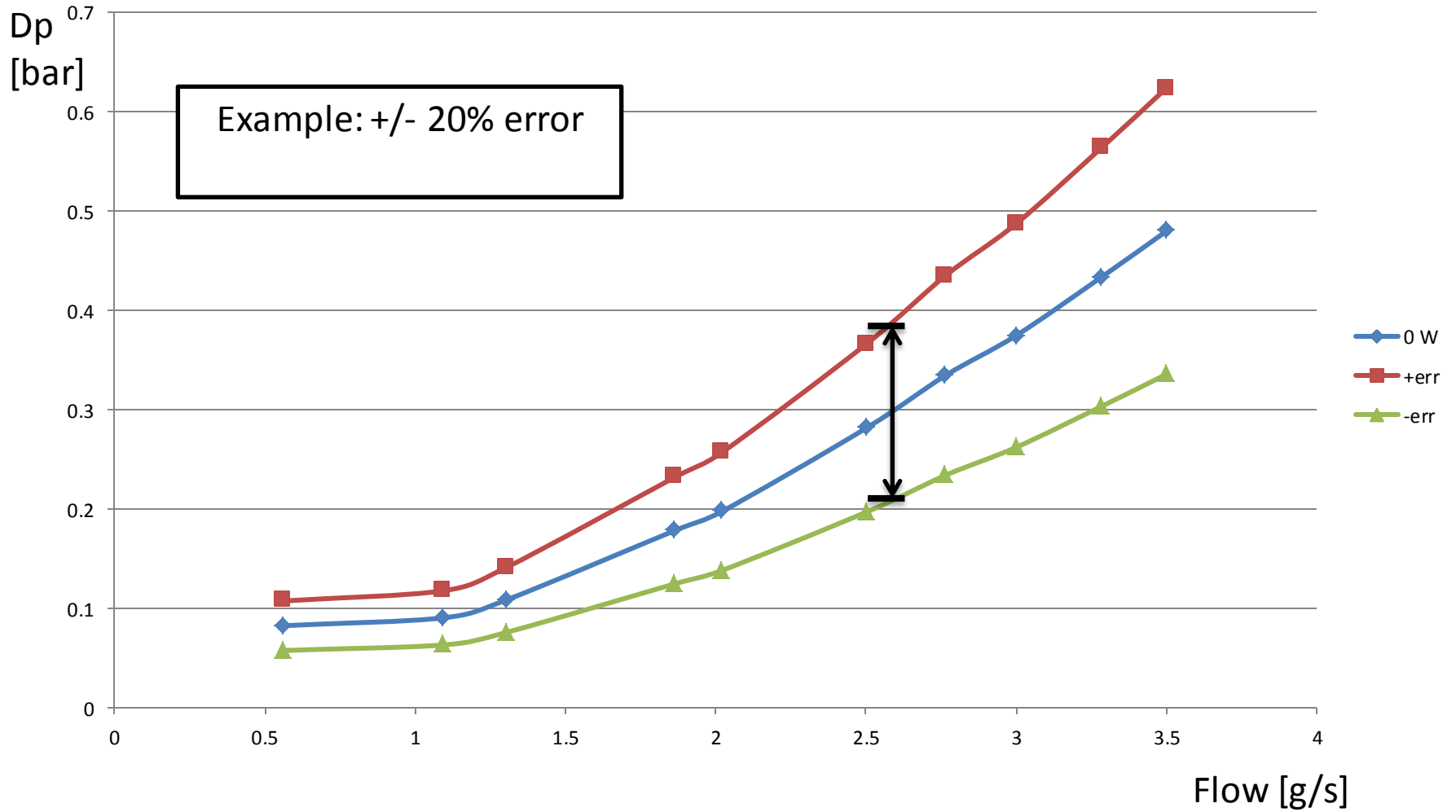
13.09.11

First tests

60 μm filter characterization and thermosiphon results comparison



Error range evaluation



Next tests schedule

- Dp variation on 60 μm filters (error range evaluation) (expected required time: 1 day);
- Differences in capillaries pressure drop (exp. req. time: 2 days)
- Effect of the fluid thermodynamical properties on the pressure drop over the capillaries and the sector (thermal bath) (exp. Req. time: 2 days);
N.B. For this test we need to regulate the gas pressure;

After that we could start with powder tests (the two filters are therefore required).

Powder tests

- Dp evaluation for different powder sizes
- Cleaning procedure optimization
- Test of ultrasound solutions (Rosario)

Possible planning

- Installation of the filters (while the line is empty);
- Carrying out of tests;
- Plant stop to carry out remaining installations on the plant (dummy load, flow meter...).