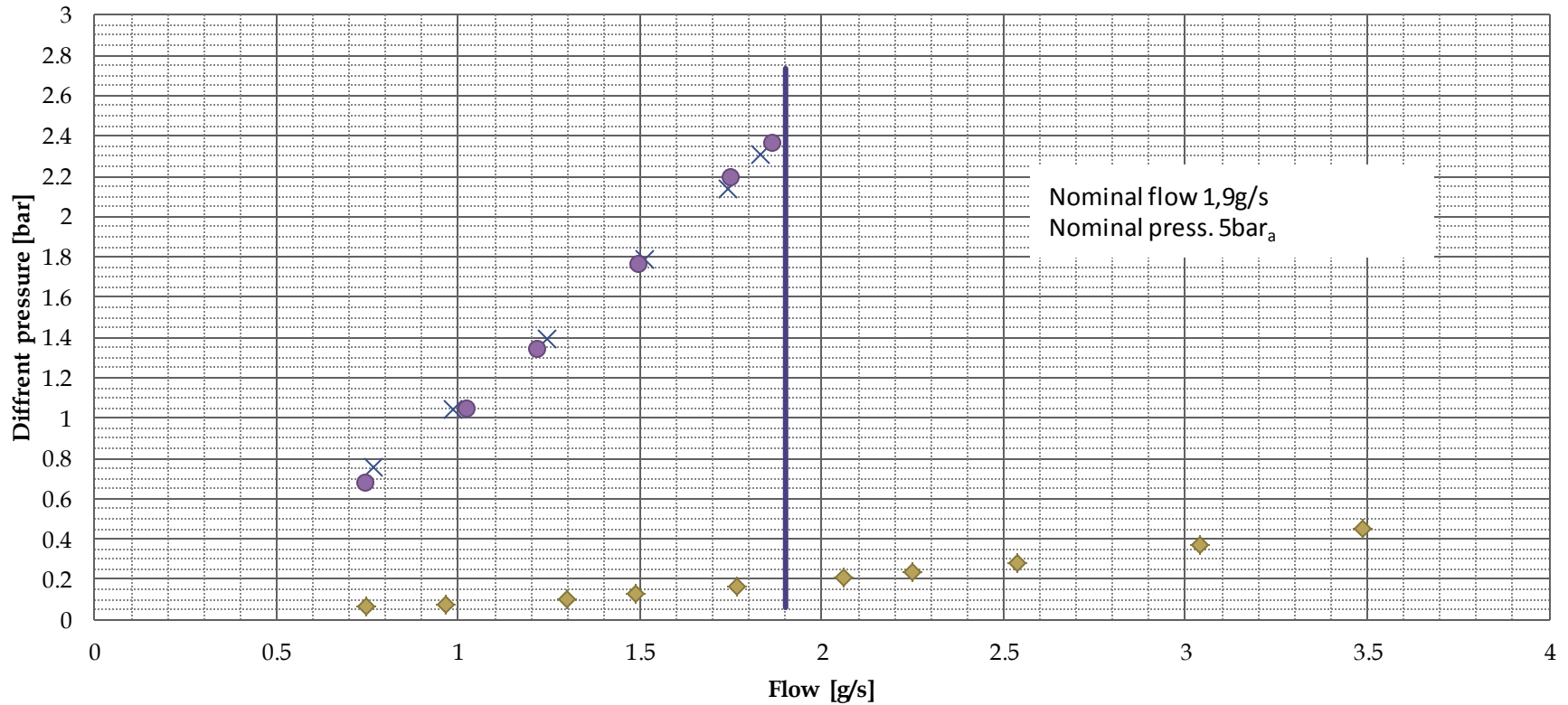




SPD Cooling: Ultrasounds bath test results

Claudio Bortolin – CERN
Andrea Francescon – INFN PD
Martin Janda – CTU (Prague)

Filter size 60 μ m clogged by powder 20-50 μ m Pressure drop



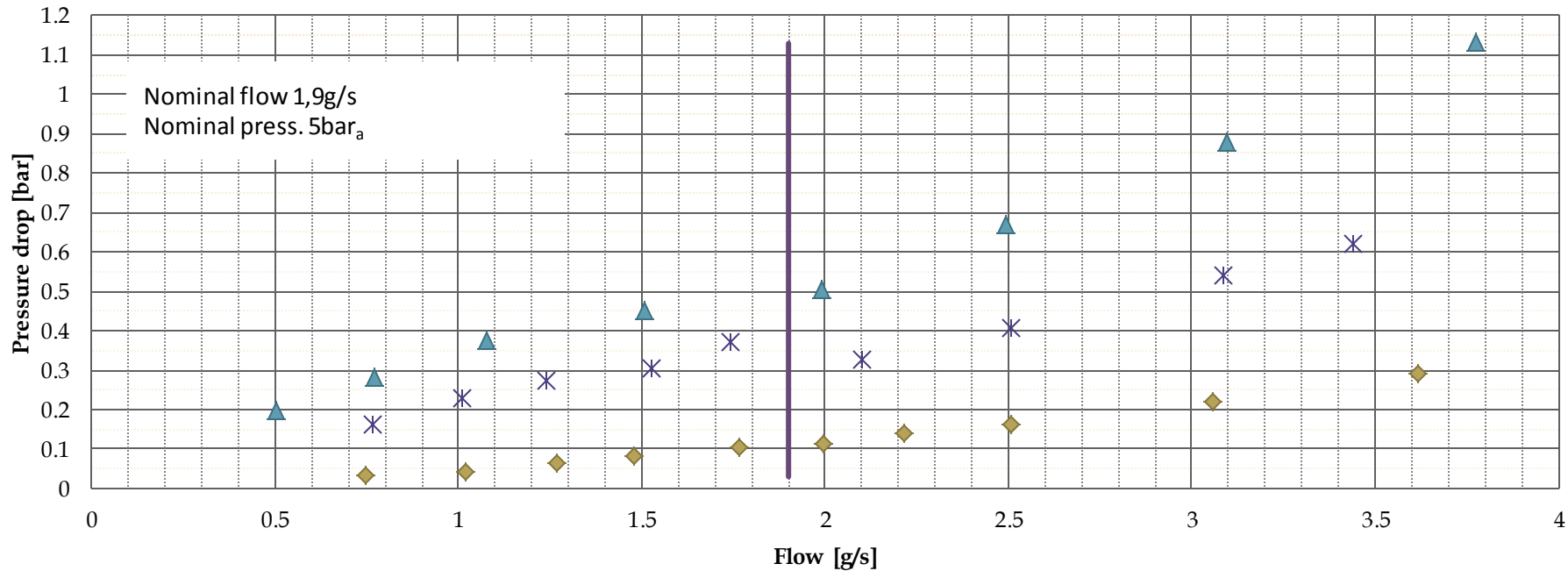
— Nominal flow

◆ Clean filter A

× Dirty filter A 3rd meas. - filter was cleaned by brush

● Filter A after 14h ultrasound cleanig

Filter size 60 μ m clogged by powder <75 μ m Pressure drop



- ◆ Clean filter B
- ▲ Dirty filter B 2nd meas. - 2h after 1st meas.
- ✱ Dirty filter B after 15h ultrasound cleaning 2nd meas. - 2h after 1st meas.
- Nominal flow

Filter size 60 μ m clogged by powder 0,4-12 μ m Pressure drop

