

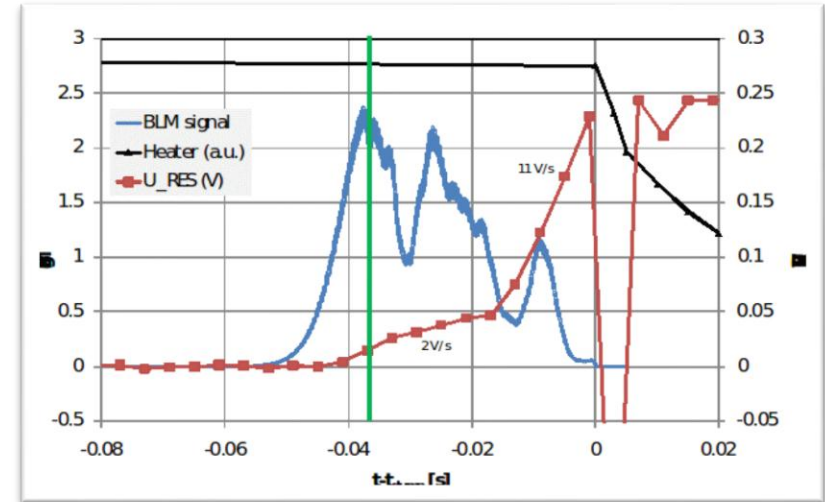
# Quench tests

## 1. Wire Scanner quench test:

Probing quench limits in UFO-timescale

Interesting results in 2010 but problem with wire sublimation/vibration

To be done later during 2012 because of possible wire damage



## 2. Test with orbital bump in 14R2 at injection:

Probing 1-s timescale

3 quenches done in 2010, once quenched MB instead of MQ

We have more BLMs in this location now

We need to repeat horizontal test (B1) with positive and negative bump

## 3. Test with orbital bump in 14R2 at flat top:

Probing 5s-timescale

1 quench done in 2010 (vertical only).

We need to repeat it and try horizontal plane

Very precise FLUKA and Geant4 simulations exist. Understanding the loss and the geometry will lead to BLM threshold with precision < factor 2. Will help to understand DS quench tests as well.

These tests are complementary do Dispersion Suppressor tests.

But, in contrary, we actually QUENCH here 😊 !