News from KEK

Michele & Seema

ISU KLM Meeting

30/09/2022

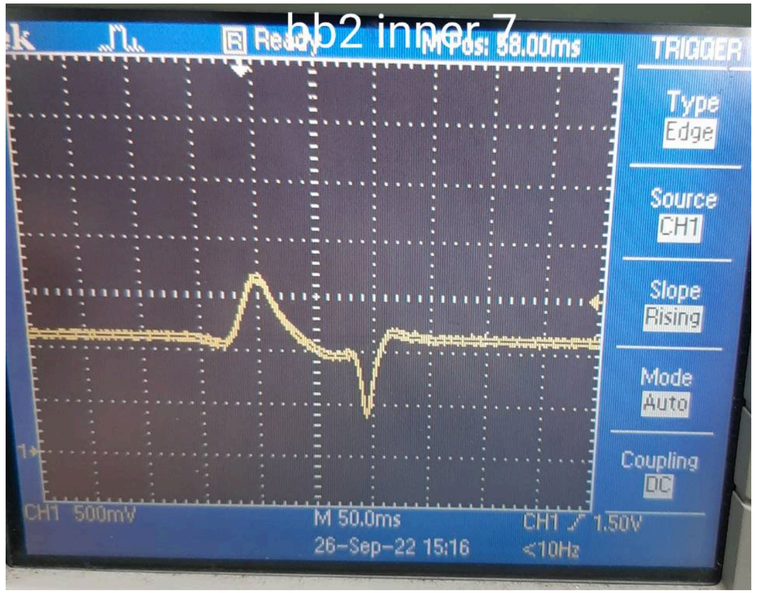
Introduction

- Inspected bubbler signals in BB2 inner & outer return panels (odd channel numbers {3,5..29} on circuit)
  - Most channels show “standard” pulse (see next slide)
  - Some channels show a “low” pulse (ch. 7, 11, 13, 15, 17 of BB2 inner side)
  - Some “noisy” channels (need to double check probe connection)
  - No signal in channels 29 inner/return (stable flat baseline voltage at 1V)
- Difficult to measure signal from other sectors due to very low bubbles rate
  - Tried a few in BB1 outer return, which were showing a “standard” pulse
  - Sumisawa-san will close the N2 gas flow for all inner RPCs, thus doubling the flow rate for all outer RPCs (10%->20% wrt nominal)
  - To test the supply side, we can use a mechanical pump with a connector to the bubbler panels

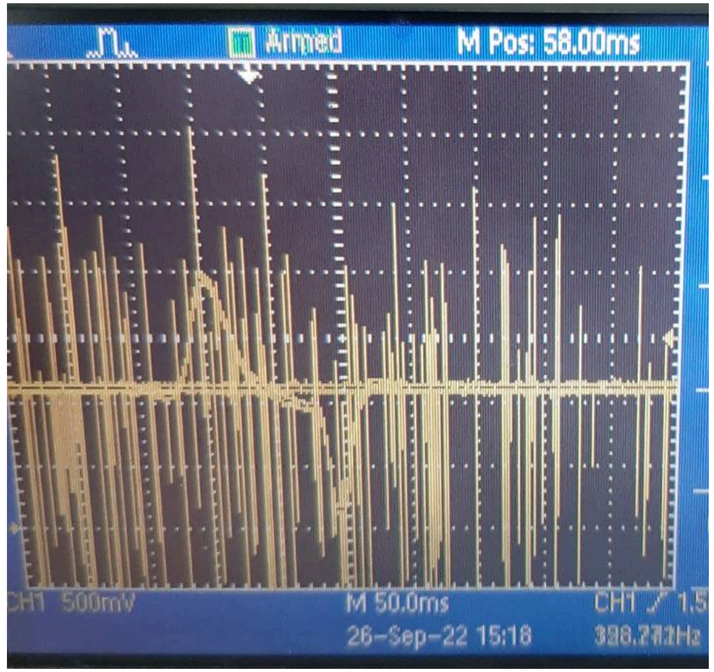
Pulses in BB2

“Standard”

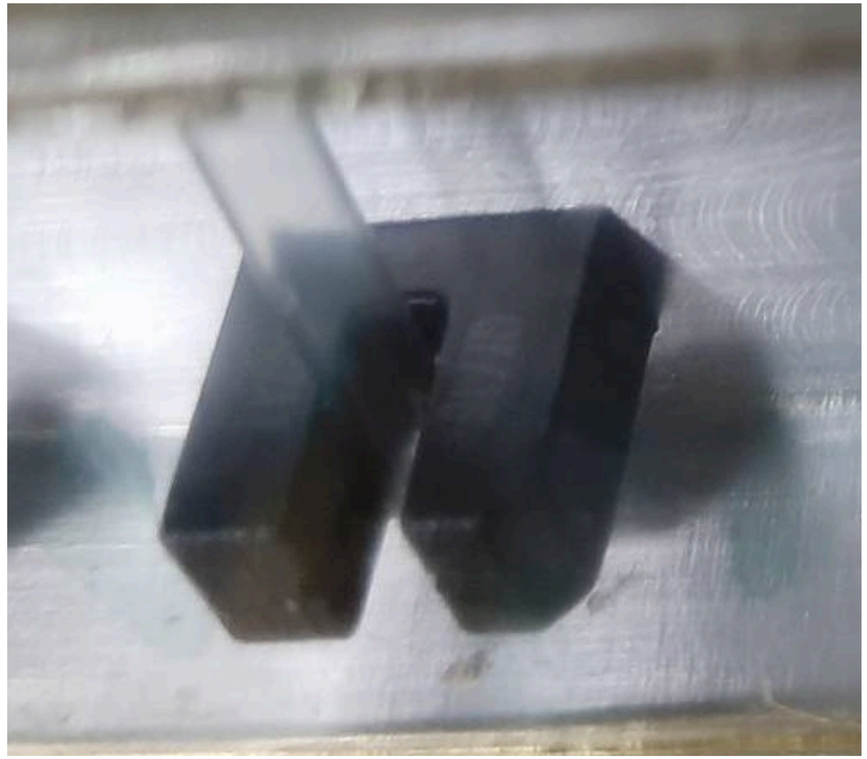
“Low”

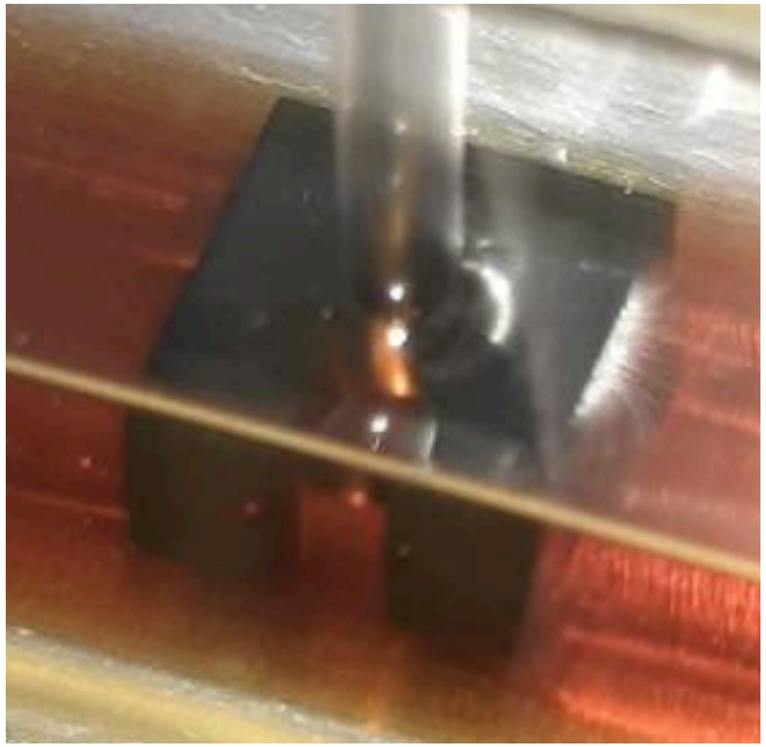


“Noisy”



Gap in sensor support





- There seems to be a gap between the tubes and the LED sensor support structure
- Difficult to tell from the panels with oil

Backup