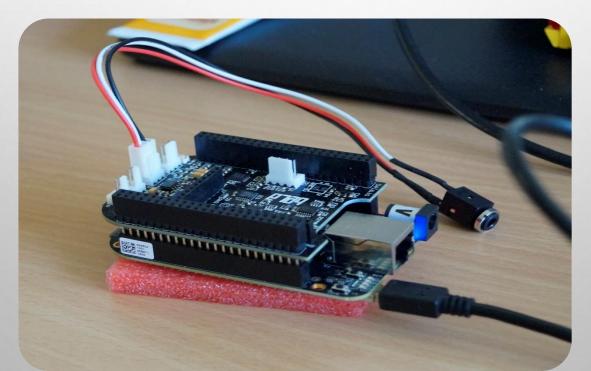


#### RAINDROPS

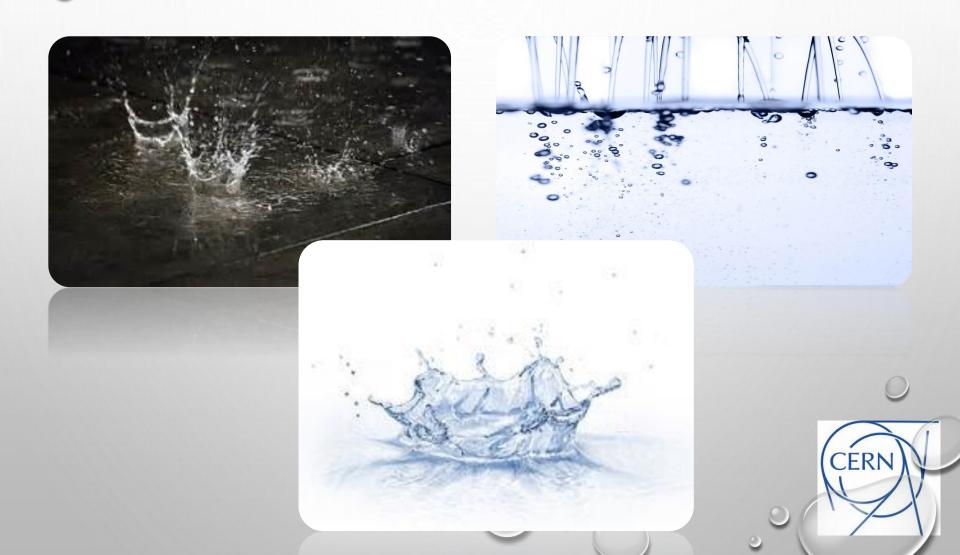
- How do we detect raindrops in a sound file?
- ♦ The plan was to suppress background noise and select raindrops.
- ♦ We've characterized what the raindrops are.



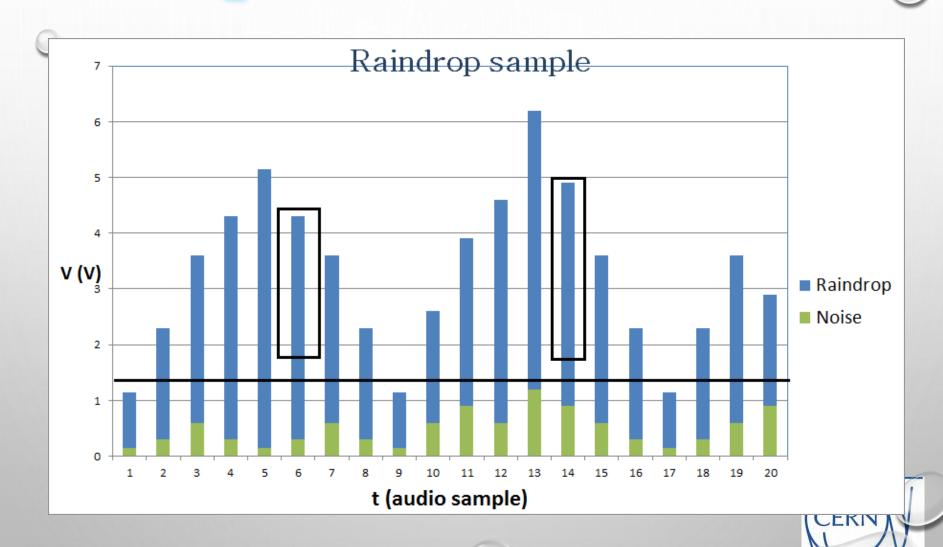


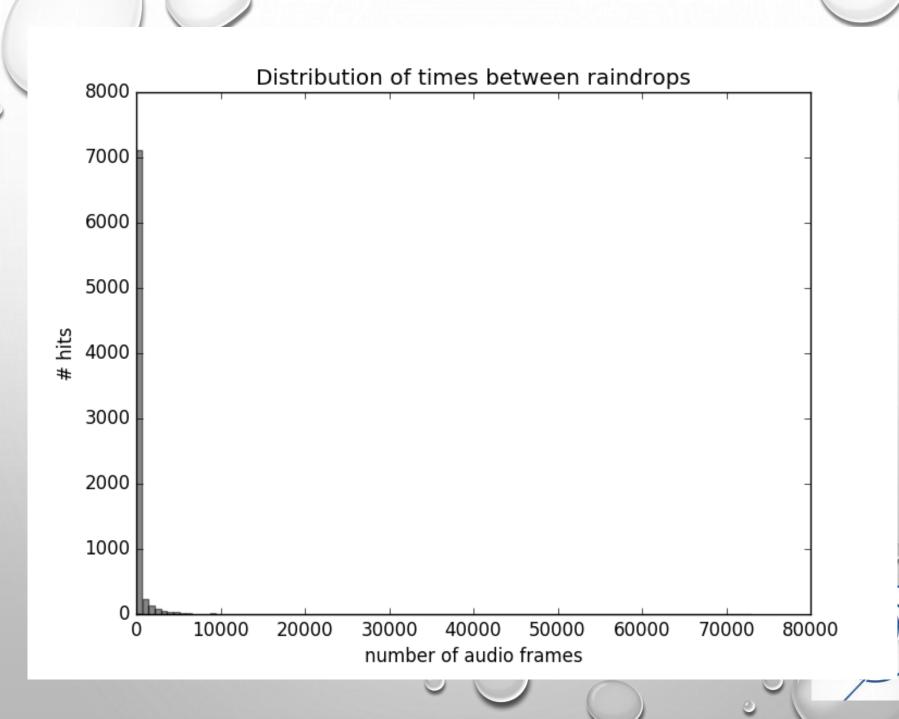


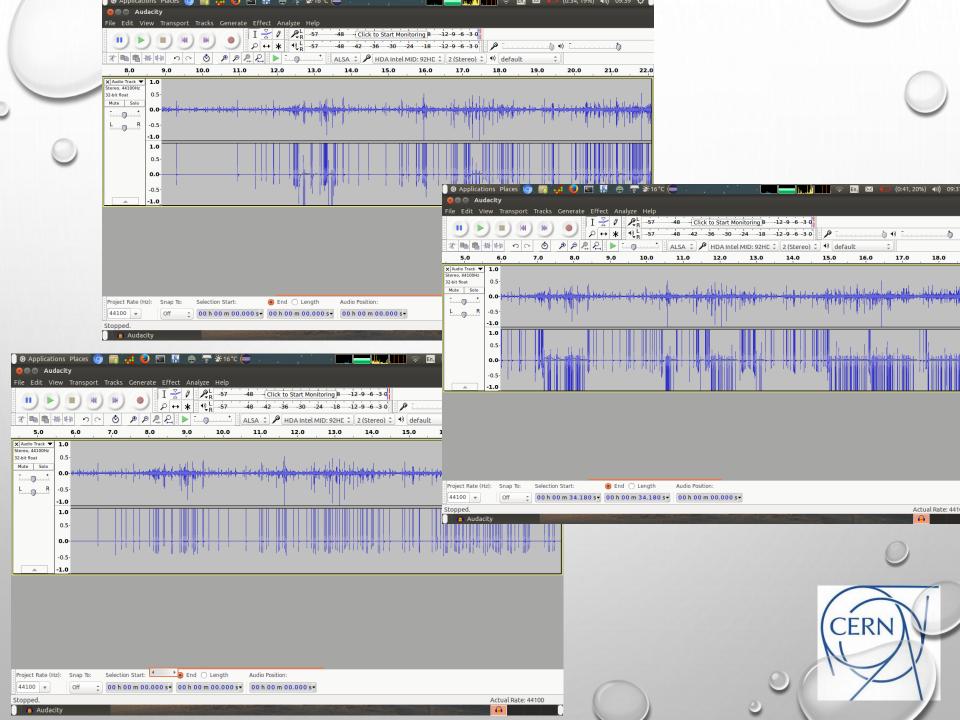
# HOW MUCH DO YOU HAVE TO WAIT FOR THE NEXT RAIN DROP TO COME?



### Raindrops







## WE LOOKED AT THE SOUND WAVES WITH AN OSCILLOSCOPE.





# MEASUREMENT ON THE MOUNTAIN

WE MEASURED 90 MUON/10MINUTES AT CERN (380M).

THERE WERE 170 MUON/10 MINUTES ON THE TOP OF THE SALÈVE (1210M).

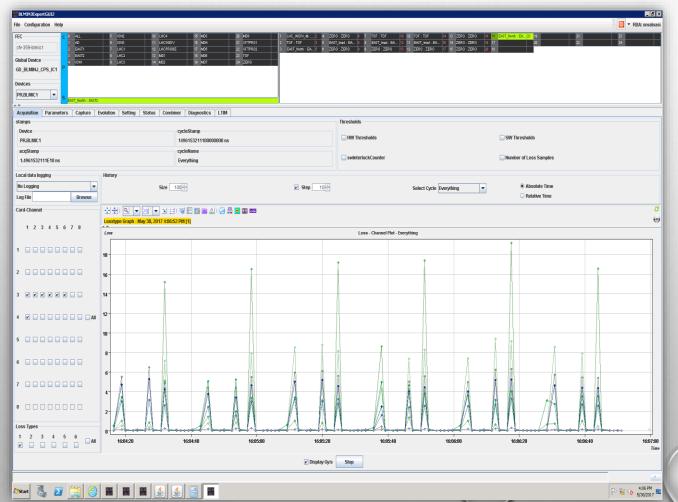






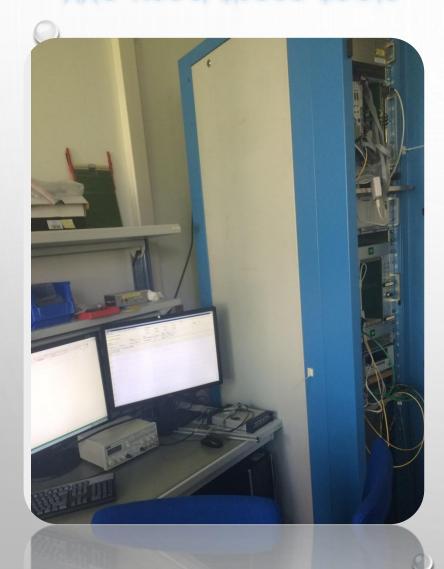
#### **BEAM LOSS**

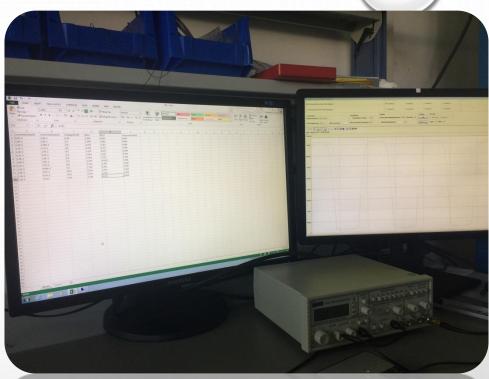
THE PROTONSCYNHROTON PARTICLE LOSS WAS CONSIDERED. THE FIGURE SHOWS THE FUNCTION OF THE FIRST TYPE OF INTEGRAL.



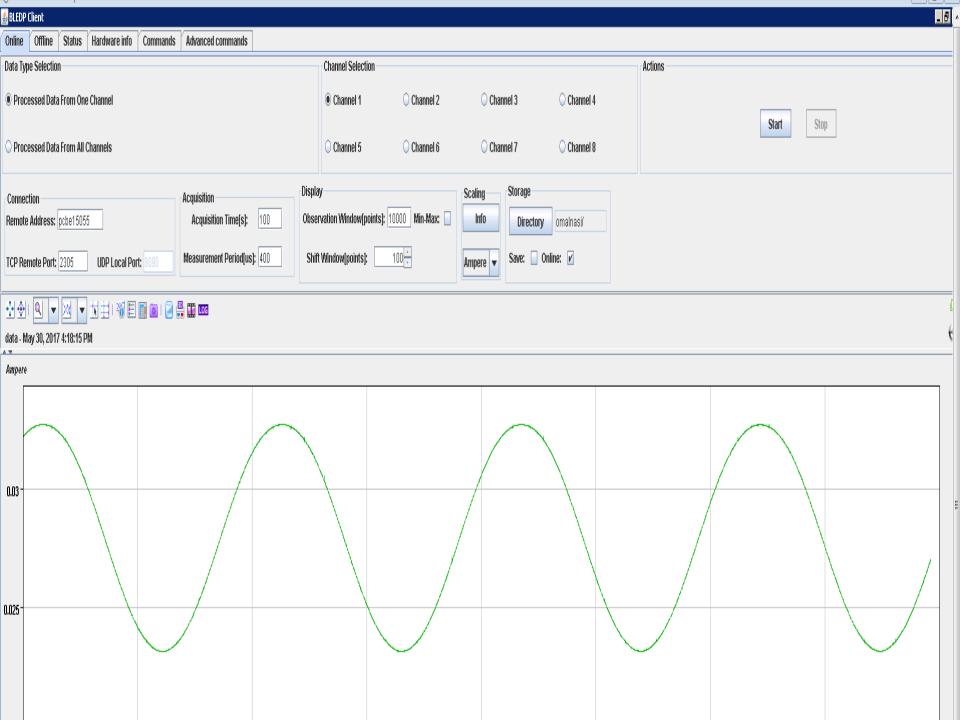


## We used these tools









### THANK YOU FOR YOUR ATTENTION





HTTPS://CERNBOX.CERN.CH/INDEX.PHP/S/2KSRWJNLX9EMY6W?PATH=%2F

PASSWORD: muonmuon

