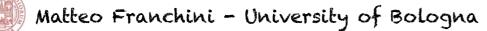# SHOE Status & Roundtable

Matteo Franchini

Intro

* Lot of work done for the test beam, thanks to everyone!!!

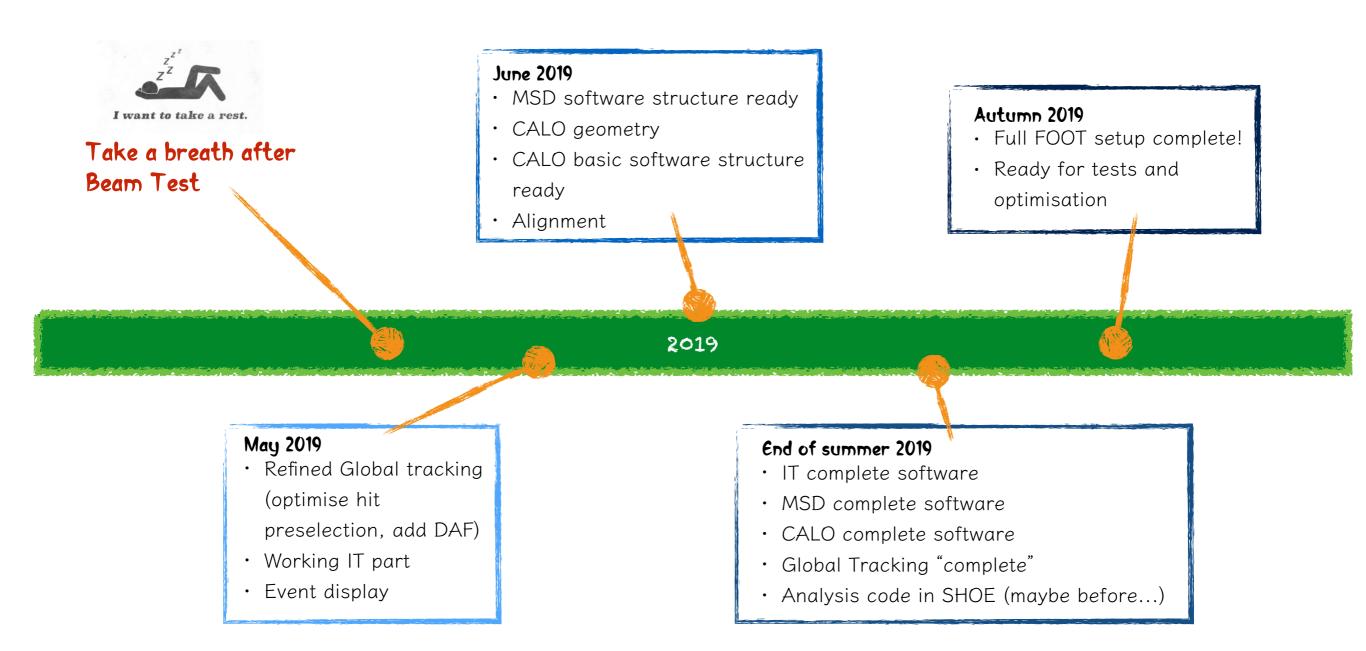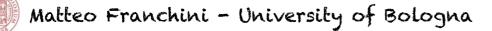* Now it is time to (start to) summarise the test beam effort (pro and cons)

* Move forward

Test Beam - Overview

* 😀😀😀 Data processing during test beam!

* 😀😀😀 Very powerful event display!!!
    * Need to be complemented with as efficient histo—monitoring and debug

* 😑 More clear documentation

* 😑 More user friendly configuration and interface (created some confusion) <u>Suggestions from the users??</u>

* 😑 Standardise some conventions (cm, ns, GeV, ...)

* 🥶 Execution time ~ 2s per events —> should be reduced in future (ST and TW waveform). May ways to improve. Any ideas?
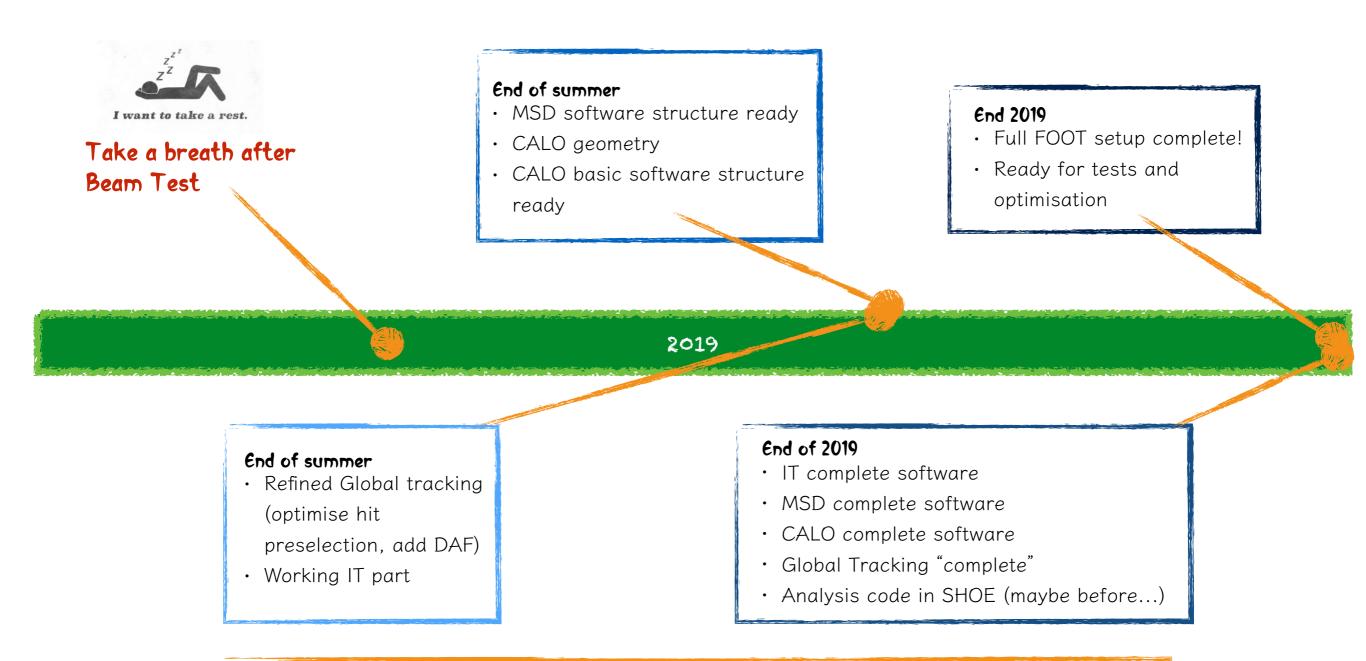
* 😑 More cross talk among each detector package

Post beam test SHOE roadmap

I want to take a rest.

Take a breath after Beam Test

June 2019
- MSD software structure ready
- CALO geometry
- CALO basic software structure ready
- Alignment

Autumn 2019
- Full FOOT setup complete!
- Ready for tests and optimisation

2019

May 2019
- Refined Global tracking (optimise hit preselection, add DAF)
- Working IT part
- Event display

End of summer 2019
- IT complete software
- MSD complete software
- CALO complete software
- Global Tracking "complete"
- Analysis code in SHOE (maybe before…)

Of course, geometry and various algorithms updates should be a continuous effort…

Post beam test SHOE roadmap

I want to take a rest.

Take a breath after Beam Test

End of summer
- MSD software structure ready
- CALO geometry
- CALO basic software structure ready

End 2019
- Full FOOT setup complete!
- Ready for tests and optimisation

2019

End of summer
- Refined Global tracking (optimise hit preselection, add DAF)
- Working IT part

End of 2019
- IT complete software
- MSD complete software
- CALO complete software
- Global Tracking "complete"
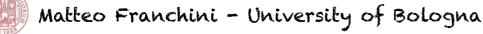- Analysis code in SHOE (maybe before…)

Of course, geometry and various algorithms updates should be a continuous effort…

Conclusion

* Big summer effort!
  * Implementation of missing detectors
  * Level 1 — combining info from different detectors
  * Harmonise and user friendly
  * Improve communication and documentation
  * After that a fast tutorial can be organised.

* Any suggestions from the users are more than welcome (almost mandatory 😁)

* Uncovered Scintillator. Already develop, maintain work. Not terribly burdening… 😇

* Any help in any part is more than welcome!!!

* Organise software contribution for next General Meeting.

SHOE Roundtable

* ST: Alessio

* BM: Yun

* VT: Chris

* IT: Chris

* MSD: Riccardo

* TW: ???

* CALO: Lorenzo

* MC: Serena

* GLOB: Matteo

Discussion Time!!!