2018 Work plan: a feasibility study on a_μ^{HLO} at 10-20%?

- With 60cm Be and $4x10^7$ s we will get an accuracy of 0.3%.
- Let's assume 1 week with 2 modules and 0.5 duty cycle:
  - 2 cm Be
  - 7 days*0.5 duty cycle=3.5 days=$3x10^5$ sec
- So the stat accuracy would be:

$0.003*\mathrm{sqrt}(60x4x10^7/(2x3x10^5))=0.003*63=0.2$

→Measurement with 20% stat error seems possible

- 1 Month would give us 10%!

2018 Work plan: Test Beam for MS study?

- We should demostrate to control MS at 1% level
- TB with e- at few GeV (at CERN/SLAC)?
- TB in Frascati with 0.5 GeV (possibility to study the tail)?
- Possible? When?

- Momentum measurement at 10^{-4}?