

# TOF Calibrations Needs

Three steps are needed, in order to get the TOFs calibrated:

- **Time-Walk calibration** - All we need is particles. Any kind of beam settings are OK.
- **Calibration of the trigger delays** - The same. Any kind of beam settings are OK.
- **Individual calibration of the delay in each channel** - We need electrons (electron/positron beam). **We need data with Trigger in TOF1 and TOF0!**

# TOF calibration - Run plan

## First step

- 1 or 2 day of smooth data taking - positron or pion beam, fixed momentum  $\leq 300\text{MeV}/c$ .
- Trigger from TOF1 and TOF0.
- Produce preliminary calibration that includes **Time-Walk**, **Trigger delays** and **Individual channel delays**.

## Second step

- Continue with the other physics goals.
- After the end of the data taking period - use the full amount of accumulated data and produce new improved **Time-Walk**, **Trigger delays** calibrations.

# Online reconstruction plots needed

We need to monitor the number of good hits in every pixel of the detector.

G4MICE  
TofControlTool

