Some TOF questions I don’t know the answer to…..

We go into beam in late July. That gives us 6 months to deliver a TOF that is fit for purpose for this experiment. The TOF is needed to meet the physics goals. The Warwick system will “work” but I wouldn’t call it, in any way, a good backup.

TOF questions:

Which system will be used (Geneva or UCL)? What is the timescale on which the decision will be made?

Given a system, what level of construction/development is still needed to deliver a working system? Is this compatible with our timeline? (which requires deployment in mid-July)

What level of ancillary equipment is available (e.g. power crates, pre-amps, etc) or do we need to procure equipment (which will have a lead time)?

What level of readout is available (i.e. do we just have a set of PMTs, or is a signal processing system also available)? Who is responsible for providing this system?

What data is available to the DAQ. Naively – a list of TOF paddle hits with times from the spill signal?

How will this system be triggered?

Who will this system interface to the global DAQ? Who is responsible for the interface and for implementing the readout in the DAQ?