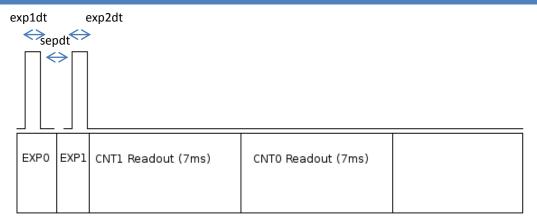
Fast Toggled Exposure Mode



```
Original "Start Acquisition" TCP Command (EPICS->PiXirad-1 Detector): "DAQ:! LOOP nframes shwidth dlywidth romode trgmode trsfmode biasmode\n" romode option list will be enhanced with "FTE" -> {"1COL0", "1COL1", "2COL", "DTF", "FTE"}
```

New TCP Command (EPICS->PiXirad-1 Detector) will be added to manage delays:

```
"DAQ:! SET_FTE_CONF cycles exp1dt exp2dt sepdt"
```

cycles: unsigned integer how many times the EXPO,EXP1 sequence

must be repeated (>1 means "accumulate");

exp1dt: float (us);
exp2dt: float (us);
sepdt: float(us);

From Image reception point of view (PiXirad-1 Detector->EPICS) a "frame" in "FTE" mode is the same as a "frame" in "2COL" mode;

The selection between internal or external triggers follows the same principles as before.

The only difference is that, when "FTE" mode is selected every frame acquisition needs cycles * 2 pulses at "Sync-in";

The new firmware will be compatible with old interfaces implementations.