MAX IV will work in 4 different modes:
- LINAC 3GeV (LIN)
- LINAC 3GeV + Short Pulse Facility (SPF)
- LINAC 3GeV + Storage Ring 1.5GeV (SR1)
- LINAC 3GeV + Storage Ring 3GeV (SR3)

LIN and SPF are rated for 100Hz injection whereas SR1 and SR3 for 10Hz.

TIMING SYSTEM
STATUS AND DEVELOPMENT
J. Jamroz, V. Hardion, V. Martos, J. Forsberg, D. Spruce, MAX-IV, Lund, Sweden

Future LINAC trigger upgrade

LINAC chopper selection of 3x330ps electron bunches

TRIG(RF,MC,ME) = SR injection from 2x up to 3.5x bunch per SR bucket

TRIG(MO,RF,MC,ME) = SR injection exactly 3x bunch per SR bucket