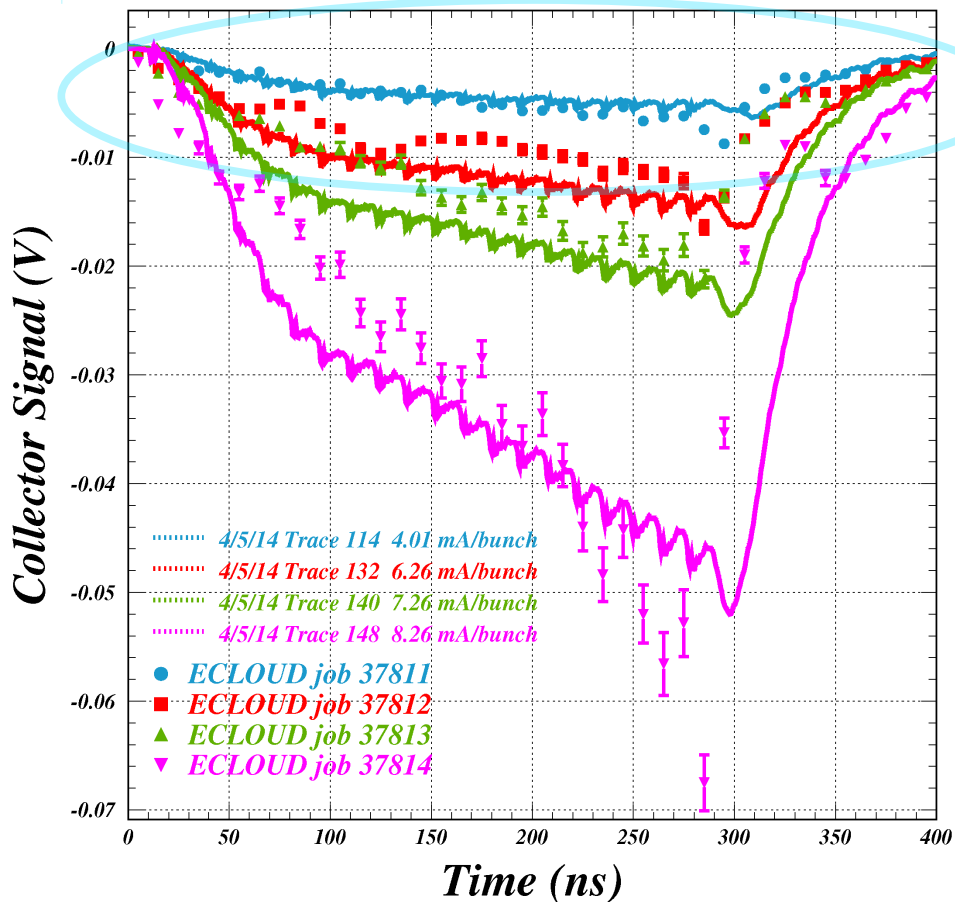


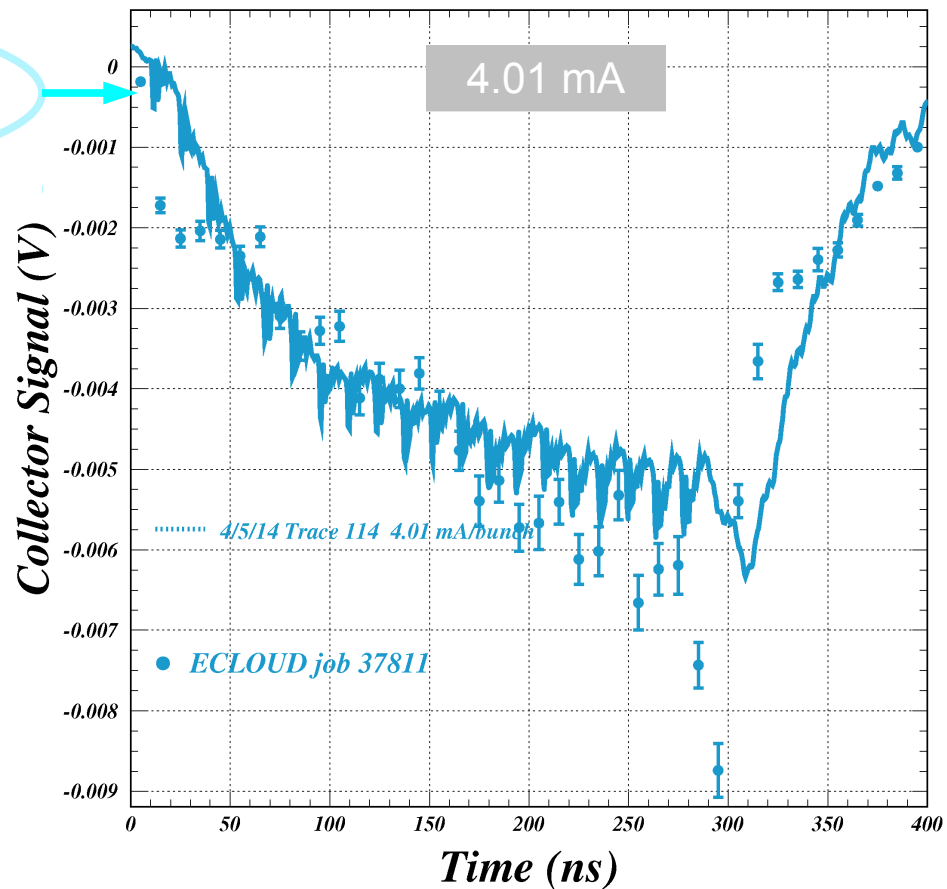


How does the signal from trapped electrons depend on bunch population ?

QSPU in Q48W: 5.3 GeV e+ 20 bunches

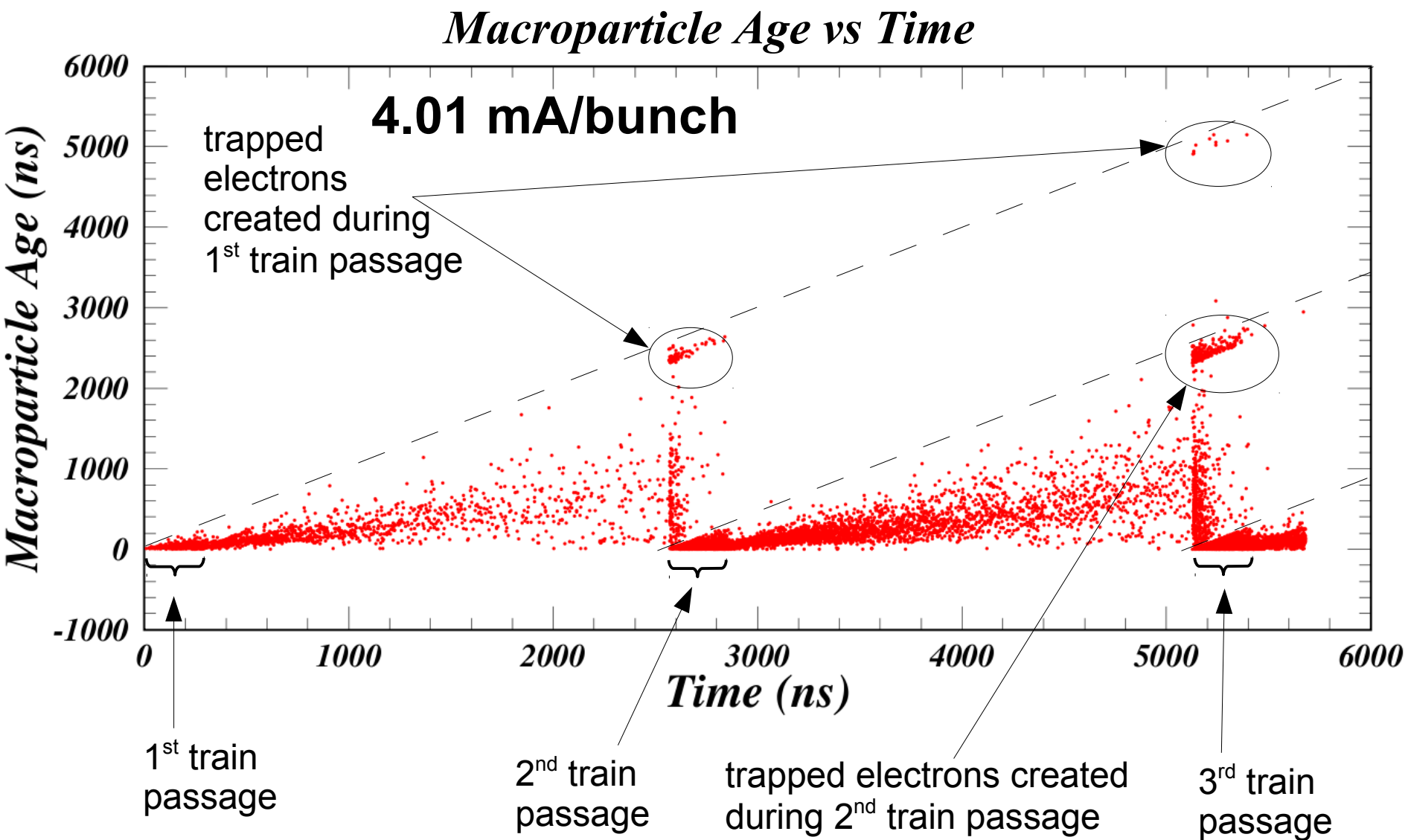


QSPU in Q48W: 5.3 GeV e+ 20 bunches

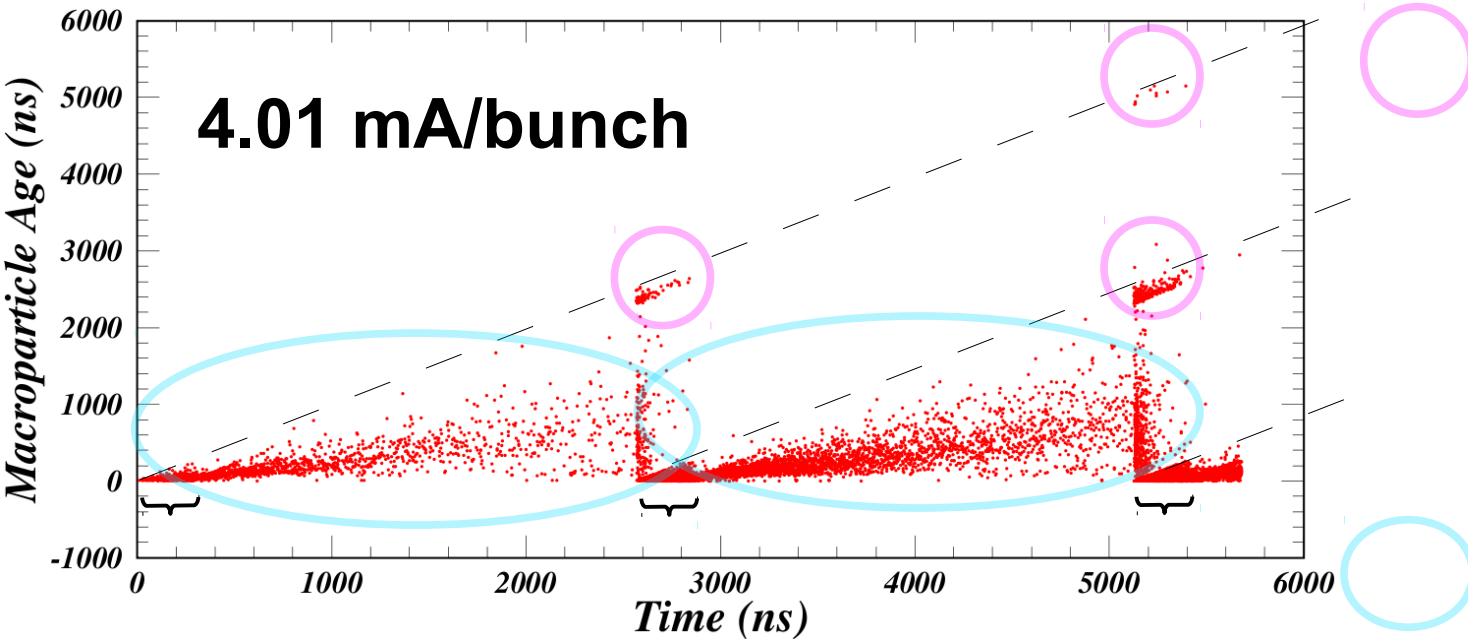


The measurements also show that a larger fraction of the cloud charge which contributes to the measured signal is trapped for lower bunch current.

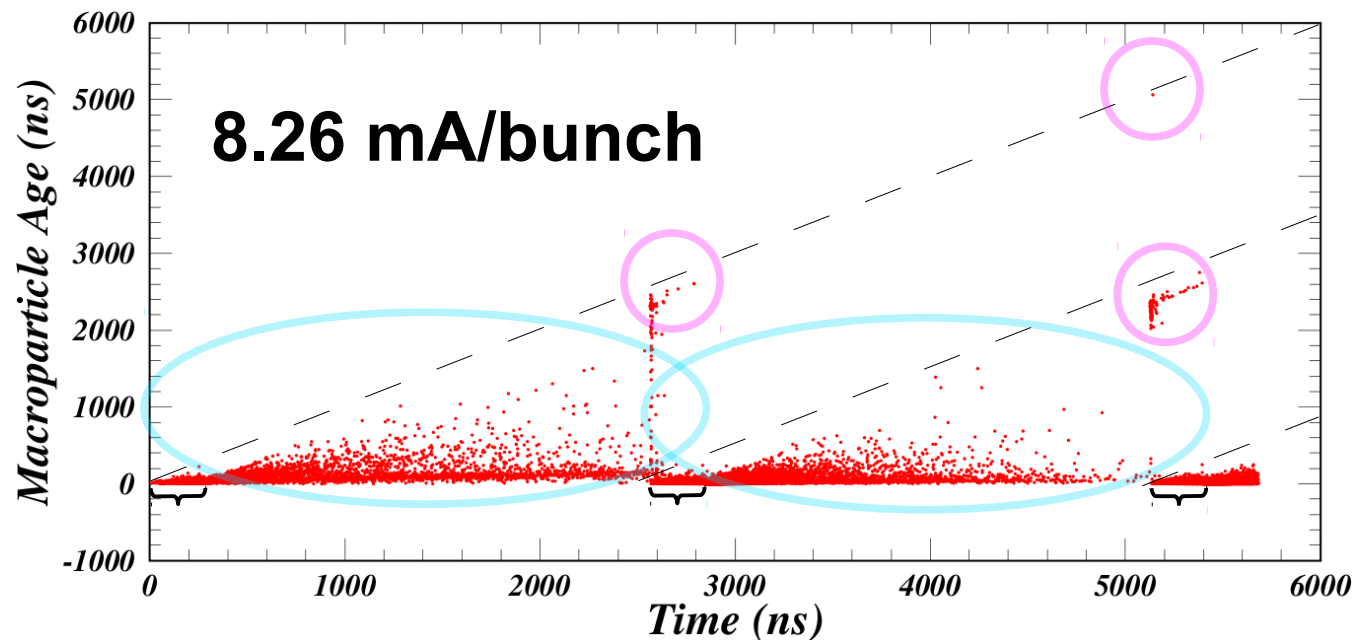
- *Signal Macroparticle Age*: time since the last wall encounter of a particle that enters the detector



Job 38268



Job 38309.



Trapping for signal electrons occurs more effectively at lower bunch current