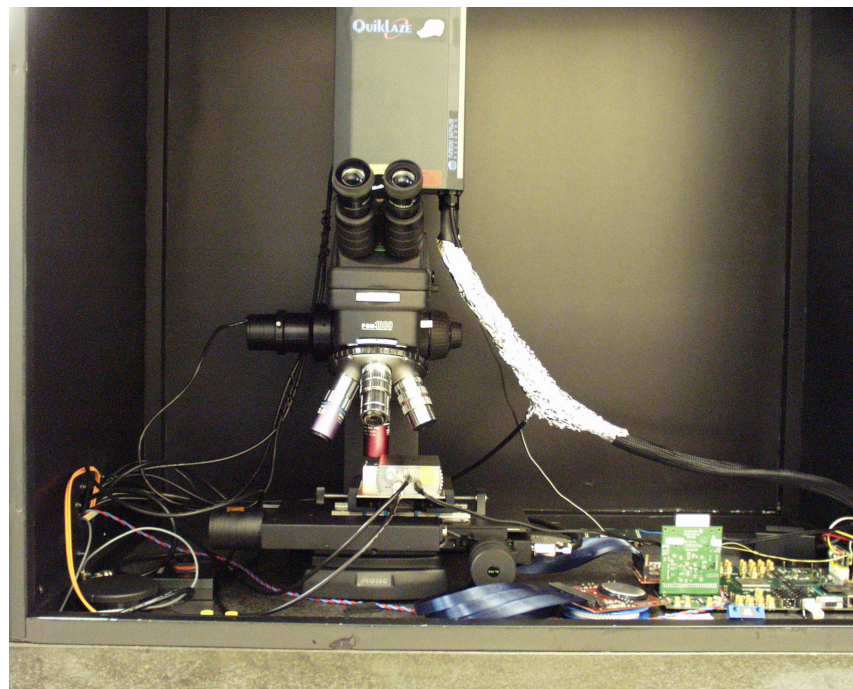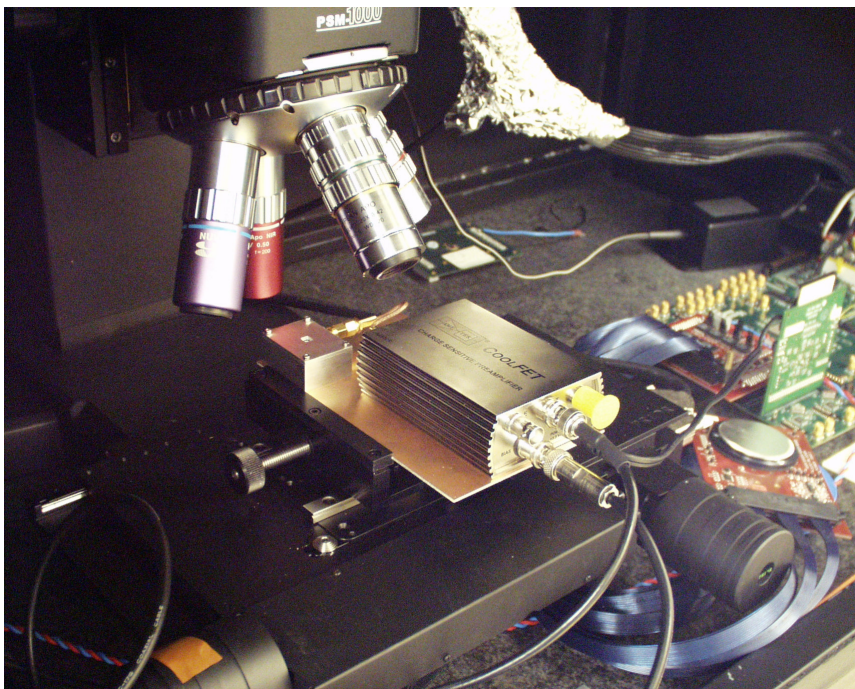# CALICE pixel Laser testing

Laser calibration update
• Si detector coupled to low noise CA + differentiator (no shaper) G ~ 25mV/MIP
• laser intensity lowered by 11 odg!

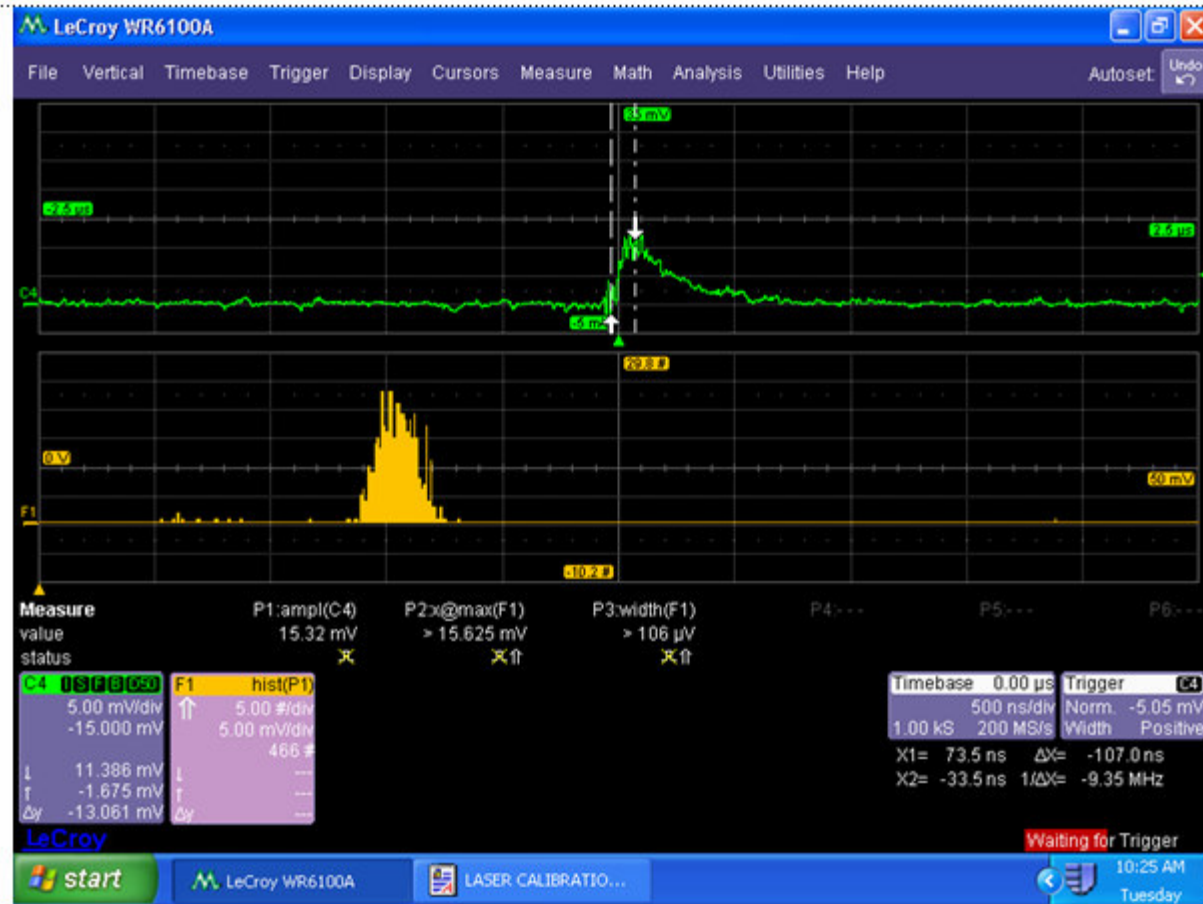# CALICE pixel Laser testing

Sensor covered, EMP noise
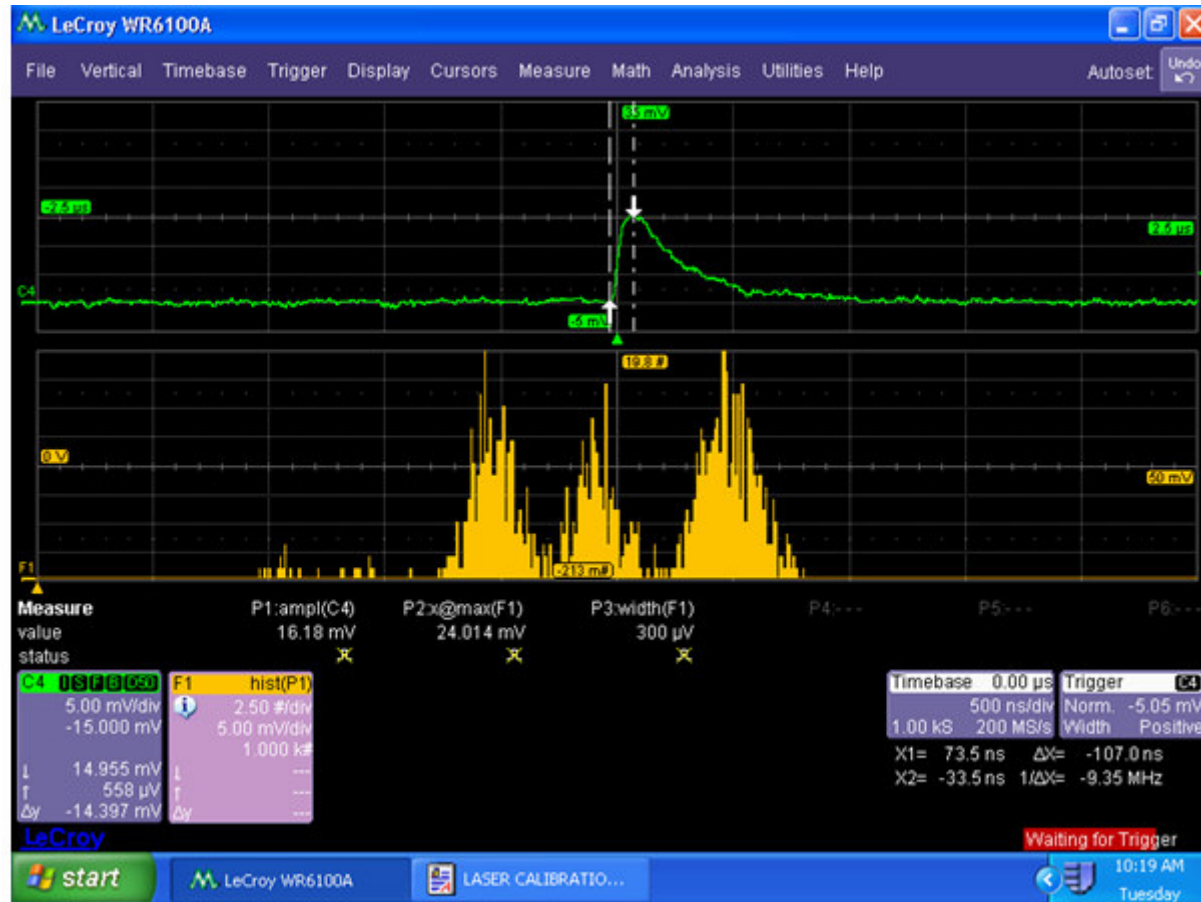
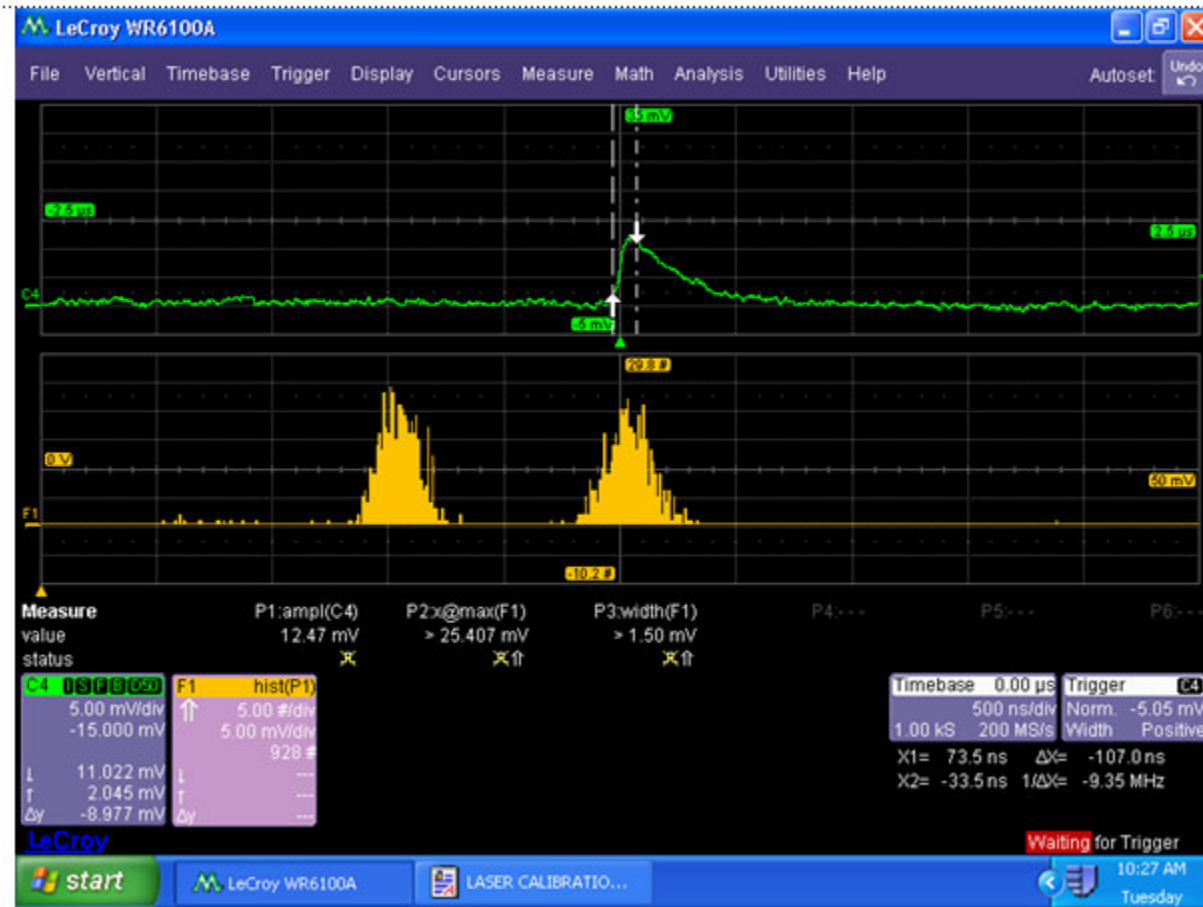# CALICE pixel Laser testing

Sensor illuminated, 0% laser intensity

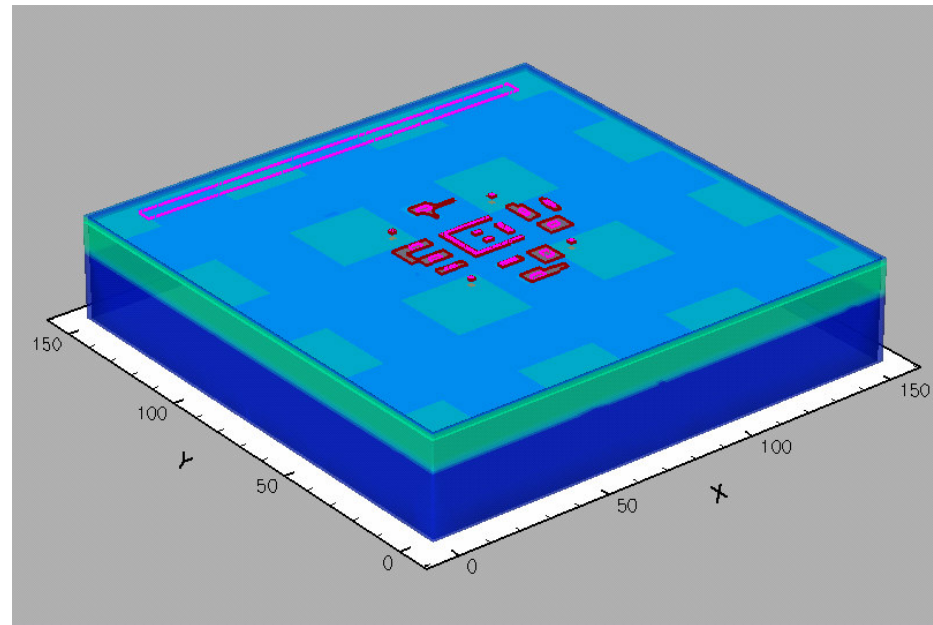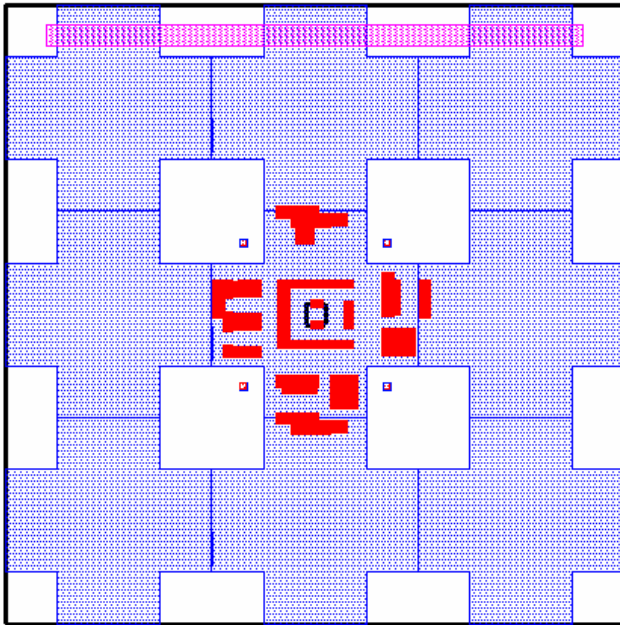# CALICE pixel Laser testing

Sensor illuminated, 50,75,100% laser intensity

CALICE pixel Laser testing

Sensor illuminated, 0 and ~80% laser intensity (MIP eqv)

CALICE pixel Deep P-Well simulation

3D simulation of final layout with all around DPW
$\Delta Q \sim 10\% @ 2.2*10^5$ points

Conclusions

- Laser calibration progressing well: sub-mip calibration seems achievable!

- Full pixel simulation with final layout started