



CMS Gold Award to Quantronix

(East Setauket, NY 11733, USA)

for developing the ECAL monitoring lasers with dual wavelength and excellent services

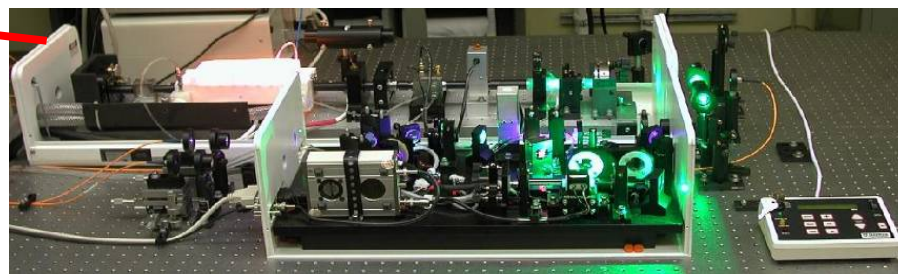
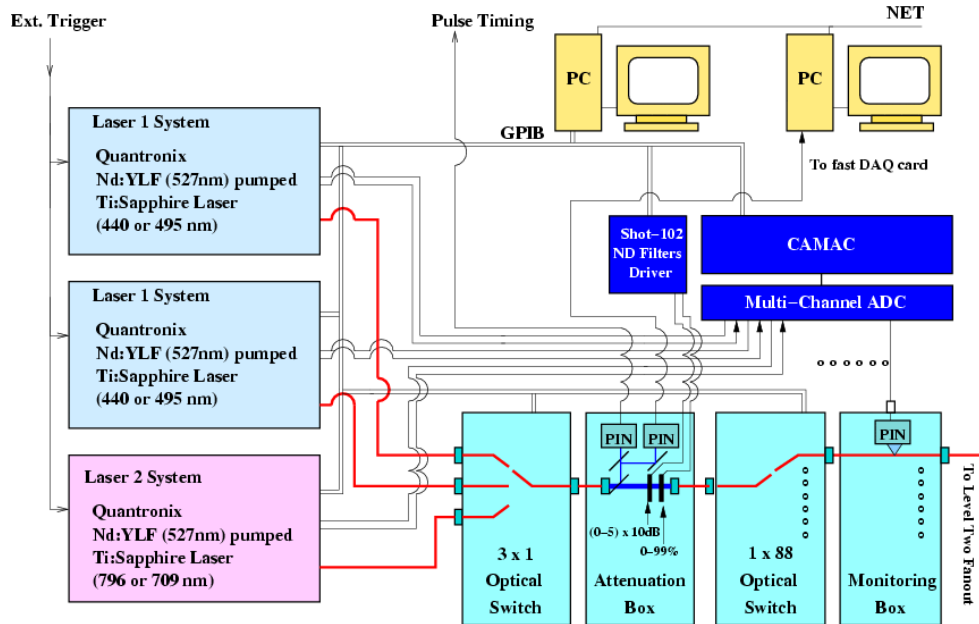
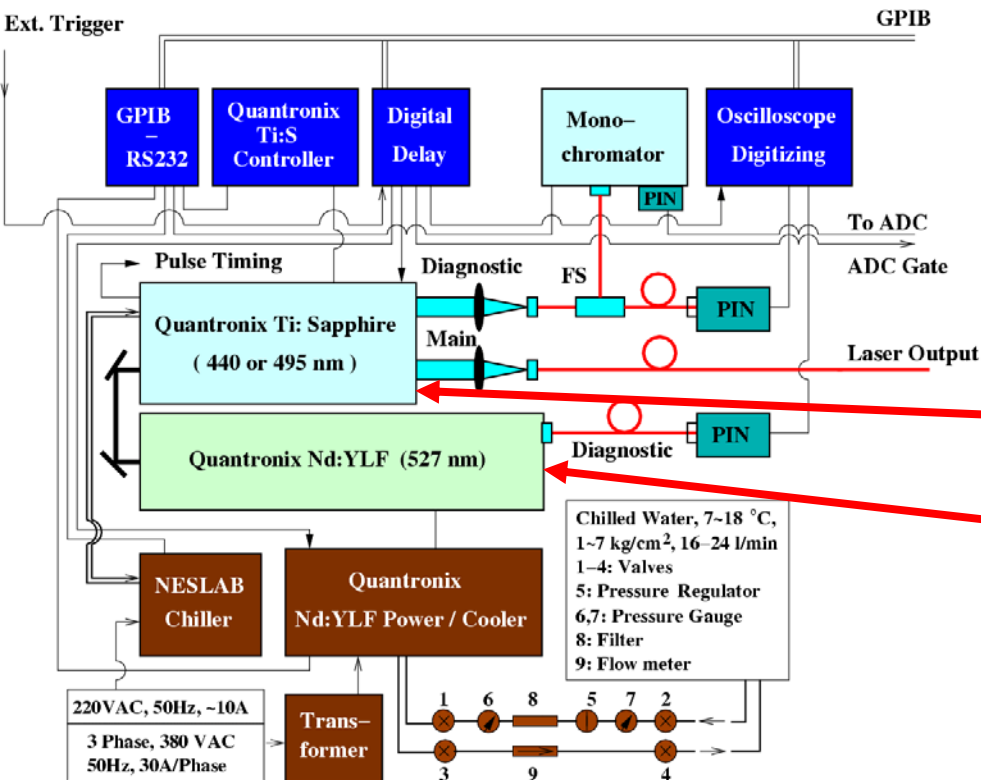
- The company worked very closely with the Caltech team to design and construct three laser systems with dual wavelength and PC interface.**
- They show great flexibility in accommodating special requirements for CMS ECAL monitoring and provide excellent support for laser field service.**
- All three laser systems were delivered on schedule, and are successfully used in the ECAL beam tests and commission with excellent performance.**



Quantronix Laser System



Each laser system contains an Nd:YLF pump laser and a tunable Ti:Sapphire laser with dual wavelength

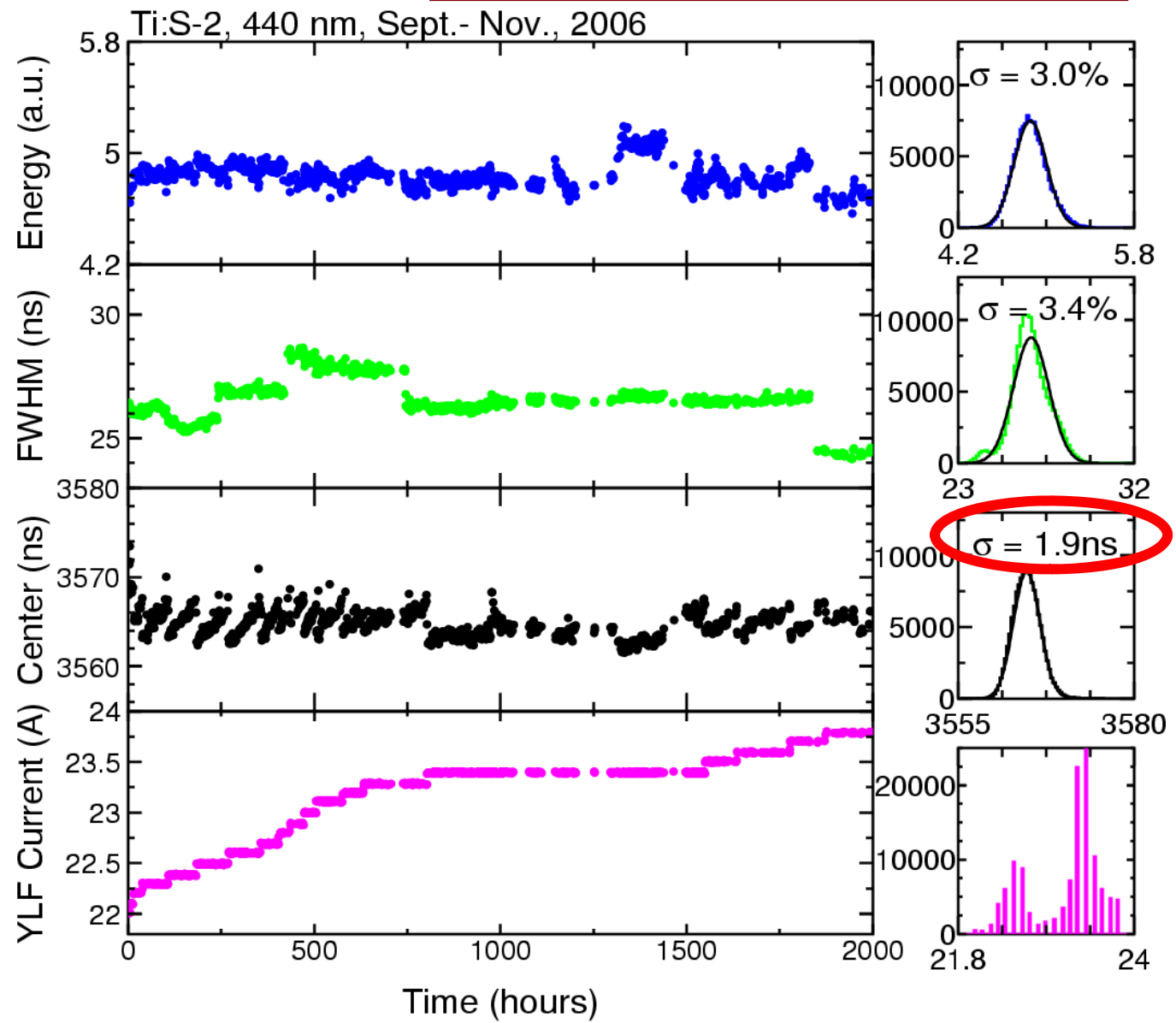




Quantronix Laser Performance



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About 3% stability in laser pulse energy and width and a jitter of less than 2 ns are observed in laser runs lasting for three months, when the YLF laser pumping current increased at 0.1 A steps controlled by a software feedback.