

LCLS Dictionary

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PAD

Phase and Amplitude Detector used for monitoring the klystron output. The PAD consists of a local phase shifter, nulling detector, and amplitude monitor. It utilizes a local phase measurements.

IPA

I-Phi-A is the Isolator, Phase Shifter, and Attenuator is used to control the klystron drive. It consists of a rotary field continuous phase shifter, known as the FOX phase shifter, and a solid state PIN diode attenuator and RF voltage detector.

FTP

Fast Time Plots. There are two types of FTPs, normal or jitter mode.

EPSC

Ethernet Power Supply Controller