LeCroy WaveRunner LT344 LabVIEW driver

Soft- and Hardware requirements:

- LabVIEW 5.x installed
- GPIB board installed and operational
- LabVIEW software AutoScope.llb
- Driver Software LT344.llb and all other components

What does the driver do?

- automatic gain control of up to all four channels of the WaveRunner oscilloscope
- average of N samples if acceptable settings have been found
- sampling and average of pulses

Where is this code?

- Currently the automatic gain control is part of the TwoD.llb and can be found in AutoScope.VI. This VI calls several subroutines which are distributed in several other LabVIEW libraries (*.llb).
- We will soon put all necessary components together in one single llb, which will be called AutoScope.llb and can be found in the directory L_SLS-all:/MMailand/LVprogs_SLS.

Applications

- 3-dimensional magnetic field mapping of the storage ring injection kickers