

MCS

MCS stands for **M**ulti **C**hannel **S**caler. At PicoQuant this term is used in the following context: Single photon events, as originating from a **TTTR** measurement are sorted by means of their macroscopic time into equally spaced time bins. What immediately results is a time trace of the fluorescence intensity. In a subsequent analysis the binned ensemble of photons can be used to form **TCSPC** histograms, which in turn can be used for lifetime analysis, time-gated analysis etc.

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