# 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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PicoQuant GmbH
Rudower Chaussee 29 (IGZ)
12489 Berlin
Germany

P +49-(0)30-1208820-89
F +49-(0)30-1208820-90
info@picoquant.com
www.picoquant.com