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Optimization of 3-inch PMT for LS detector

The 3inch PMT will be used in future large detectors, like JUNO with LS detector, for multi-physics measurements. In order to optimize the performance of 3inch PMT to photon counting mode in a LS detector, we will show a detailed study about its feature including PMT HV divier and de-coupler with positive HV, to optimize/finalize the configurations of 3inch PMT working on HV ratio, HV DC current, SPE, SPE resolution, P/V and timing for different tubes from HZC and Hamamatsu.

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