

The DAΦNE Timing System, G. DI PIRRO, A. DRAGO, A. GHIGO, F. SANNIBALE, M. SERIO, INFN-LNF - This paper describes the design and the performances of the DAΦNE Timing System. The task of this system is to generate, under control of the general control system, all the injection triggers related to the destination RF bucket in the main ring. All these outputs must have very low jitter. They are distributed to slow and fast pulsed devices such as, for example, injection/extraction kickers, Linac, diagnostic instrumentation. The timing system generates also the accumulator ring radio frequency drive and various triggers for the detectors. Components and technologies used, module description, control software and performances are presented.