

Update on the DAMC-X3TIMER Development

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With the upcoming upgrade of the PETRA III accelerator at DESY to PETRA IV, a renewal of most controls electronics is foreseen. For this, MTCA.4 has been chosen to become the new standard. This presentation will give a brief overview of the planned MTCA.4-based clock and timing distribution hardware for the storage ring and its pre-accelerator chain.

As main component for the timing distribution a dedicated AMC module, the DAMC-X3TIMER, is currently under development. This presentation will outline its key features and implementation on the AMC. Further on, we will present the current status of the hardware and firmware development.

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