

Huizhou Ma - The DBPM Development of IHEP

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The Digital BPM system is developed according to the BEPCII requirement, compatible with “colliding” and “synchronizing” operation modes, the main text contents are including the basic BPM principle description in compatible mode, the adjustable clock logic design, the algorithm logic design, the compatible operating method, and so on. Finally, the clock logic and the algorithm logic of the BPM is tested in the laboratory, the results show that the performance of the digital BPM system can meet the BEPCIIs requirements well. In future, the DBPM will be developed in MicroTCA platform.

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