

Present status of the DAΦNE upgrade and perspectives

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The DAΦNE collider has been recently upgraded in order to implement a new collision scheme based on large Piwinski angle and cancellation of the synchro-betatron resonances by means of electromagnetic sextupoles (Crab-Waist compensation). The novel approach has proved to be effective in improving beam-beam interaction and collider Luminosity. The results and the measurements taken during the DAΦNE commissioning as well as the perspective for the SIDDHARTA run are presented and discussed.

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