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Charm and new physics opportunities at colliders

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Time-dependent studies in B mesons have enabled us to study in great detail the properties of the unitarity triangle. We describe a set of decay channels of the D^0 meson that can be used not only as an indirect test of CP conservation/breaking in the up sector of the standard model but also to infer properties of the charm unitarity triangle (ie the internal angle β_c). Furthermore, possible new physics scenarios that may enhance the value of the β_c angle in the charm unitarity triangle are introduced.

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