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Physical implications of different CP symmetries of the 2HDM

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In the 2HDM there are various types of CP-symmetries. These symmetries affect the masses and couplings of the model. Such physical implications (exact constraints on masses and couplings) are presented for a CP-conserving 2HDM (potential+vacuum), for a CP-conserving 2HDM-potential (but not vacuum), and for the various degrees of CP-symmetry of the 2HDM-potential (CP1/CP2/CP3).

Content of the contribution

Theory

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