

From flavour to dark matter

We shall discuss a novel $Z_N \times Z_M$ flavour symmetry which is capable of providing a solution of the flavour problem of the standard model through the Froggatt-Nielsen mechanism. Flavour bounds on the parameter space of the flavon of $N = 2$ and $M = 5$, 9 flavour symmetries will be presented. Moreover, this symmetry can provide a unique and generic solution to the dark matter together with the solution of the flavour problem.

Presenter: ABBAS, Gauhar (Indian Institute of Technology (BHU) Varanasi India)

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