



СОФИЙСКИ УНИВЕРСИТЕТ
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ФАКУЛТЕТЕН СЕМИНАР

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After a brief introduction giving the key steps establishing the Standard Model of particle physics over the past thirty years and reminding the few essentials on the Large Hadron collider and the CMS detector, we discuss the test of the Standard Model performed with the LHC, including the discovery of the Higgs boson. We then present some of the searches performed for "new physics" beyond the Standard Model, as searches for new forces, Supersymmetry, Dark Matter and extra dimensions of space and indicate some future perspectives.