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Abstract for an Invited Paper for the PSF20 Meeting of the American Physical Society

Particles beyond the Standard Model BOGDAN DOBRESCU, Fermilab

The Standard Model of particle physics has been remarkably successful at predicting the results of a wide range of experiments. Although there is evidence that phenomena beyond the Standard Model exist, their description in terms of particles and quantum fields is not yet known. This talk will cover some of the theoretical models for physics beyond the Standard Model, and the experimental searches that will probe them.