Supersymmetry: A Report from the Front

HARRISON PROSPER, Florida State University

After a brief reminder of the key ideas of supersymmetry and why the latter is widely regarded as a possible basis of a New Standard Model, I present a critical review of what research at the Large Hadron Collider has taught us about the viability or otherwise of this forty-year old hypothesis.

1Supported in part by US Department of Energy under grant DE- SC0010102