

Abstract Submitted
for the Graduate Seminar Meeting of
USB Dept. of Physics and Astronomy

Sorting Category:

Search for Supersymmetric Particles JULIA NOVAK,
Stony Brook University, Stony Brook, NY — Motivation for
Supersymmetric, SUSY, searches as corrections to electroweak and
strong force symmetry breaking will be discussed. Common SUSY prop-
erties will be introduced, and 1-1 mapping of degrees of freedom for
SUSY partners will be covered. Searches for different models of SUSY
will be illustrated through an investigation into R parity and non-R
parity conserving models. Examples from current searches at D0 at Fer-
milab will be used to advance SUSY concepts. Finally, a discussion of
LHC discovery expectations will frame the future of SUSY theory and
searches. SUSY impact on dark matter searches, conservation principles,
and Higgs theory will be highlighted as well.

- Prefer Oral Session
 Prefer Poster Session

Julia Novak
jnovak@grad.physics.sunysb.edu
Stony Brook University, Stony Brook NY

Date submitted: September 27, 2006

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