REVIEWS OF MODERN PHYSICS
Volume 71, Number 4, July 1999

863 Nobel Lecture: Fractional quantization
R. B. Laughlin

875 Nobel Lecture: The fractional quantum Hall effect
Horst L. Stormer

891 Nobel Lecture: Interplay of disorder and interaction in two-dimensional electron gas in intense magnetic fields
Daniel C. Tsui

897 Gamma-ray astronomy at high energies
C. M. Hoffman, C. Sinnis, P. Fleury, and M. Punch

937 Searches for supersymmetric particles at the Tevatron collider
M. Carena, R. Culbertson, H. Frisch, S. Eno, and S. Mrenna

983 Brane dynamics and gauge theory
Amit Giveon and David Kutasov

1085 Linear scaling electronic structure methods
Stefan Goedecker

1125 Spontaneous ordering of nanostructures on crystal surfaces
Vitaliy A. Shchukin and Dieter Bimberg

1173 Physics of reaction waves
A. G. Merzhanov and E. N. Rumanov

RMP Colloquia:

1213 Solar neutrino experiments: results and implications
Till A. Kirsten

1233 The "friction" of vacuum, and other fluctuation-induced forces
Mehran Kardar and Ramin Golestanian

1247 Erratum: Gravitational radiation [Rev. Mod. Phys. **71**, S187 (1999)]
Rainer Weiss

1249 Erratum: High-transition-temperature superconducting quantum interference devices [Rev. Mod. Phys. **71**, 631 (1999)]
D. Koelle, R. Kleiner, F. Ludwig, E. Dantsker, and John Clarke

1251 Forthcoming articles

