



## **2015 Nobel Lectures**

### **Discovery of Atmospheric Neutrino Oscillations**

*Takaaki Kajita*

1630047

### **The Sudbury Neutrino Observatory: Observation of Flavor Change for Solar Neutrinos**

*Arthur B. McDonald*

1630048

## **Research Papers**

### **On isometry anomalies in minimal $N=(0,1)$ and $N=(0,2)$ sigma models**

*Jin Chen, Xiaoyi Cui, Mikhail Shifman, Arkady Vainshtein*

1650147

### **Worldline CPT and massless supermultiplets**

*Alex S. Arvanitakis, Luca Mezincescu, Paul K. Townsend*

1650152

### **Exact duality of the dissipative Hofstadter model on a triangular lattice: T-duality and noncommutative algebra**

*Taejin Lee*

1650154

### **The processes $e^+e^- \rightarrow K^\pm(K^*\bar{\pi}(892), K^*\bar{\pi}(1410))$ and $e^+e^- \rightarrow (\eta, \eta'(958))(\phi(1020), \phi(1680))$ in the extended Nambu–Jona-Lasinio model**

*M. K. Volkov, A. A. Pivovarov*

1650155

### **Vassiliev invariants for pretzel knots**

*A. Sleptsov*

1650156

### **Diphoton channel at the LHC experiments to find a hint for a new heavy gauge boson**

*Kunio Kaneta, Subeom Kang, Hye-Sung Lee*

1650159

## **Erratum**

### **Erratum: Inflation from the superstring vacuum**

*M. D. Pollock*

1692002