

## Prof. Jiunn-Yuan Lin / Institute of Physics

High-temperature superconductors, Fe-based superconductors, Specific heat measurements, X-ray absorption spectroscopy, Oxide magnetic thin films and heterostructures

In the Quantum Matter Physics Laboratory of Jiunn-Yuan Lin, the discovery of new materials and the creation of new building blocks of high- $T_c$  superconductivity, together with topological insulators and superconductors, are the core areas of activity. For years, this lab has made significant contributions with respect to order parameter symmetry and the superconductivity mechanism of novel superconductors, such as  $\text{MgB}_2$ ,  $\text{MgCNi}_3$ ,  $\text{Na}_x\text{CoO}_2$  and  $\text{FeSe}$ . Studies on the magnetism in thin films of manganese oxides and cuprates have also been conducted.

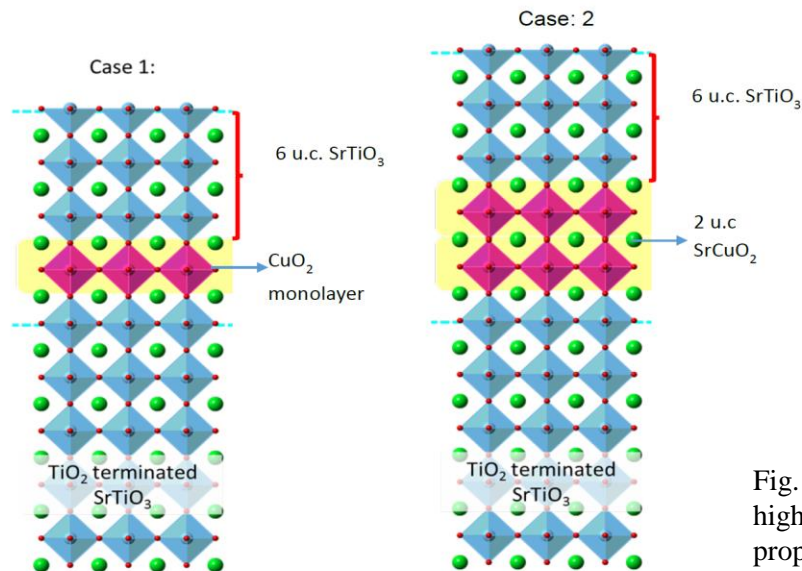


Fig. Creation of monolayered  $\text{CuO}_2$  in search for high- $T_c$  superconductivity and other novel properties.