

Evolution of Electronic Properties of BiSrCaCuO Thin Films controlled by Oxygen Doping : selected experimental results

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Abstract. As seen in their rich phase diagram, the electronic properties of high Tc cuprates are essentially governed by their hole doping. Compared to single crystals, in thin films it is easy to modify the oxygen content and the doping of a given sample. In this talk, I will review some selected experimental results obtained in our high Tc thin film studies as a function of oxygen doping.