

The pseudogap is described by the U(1)-FL\*: a state with hole pockets on a background of a spin-liquid described by a U(1) gauge theory. Its dominant density wave instability is a  $d$ -form factor density wave with a wavevector  $\mathbf{Q}$  along the  $(1, 0)$  and  $(0, 1)$  square lattice directions, in agreement with observations on the non-La-based cuprates.