

In this talk, I will explain how to obtain a precise parametrix for the spectral measure of Schrödinger operators with long-range potentials. Similar construction is done by a series of works due to Guillarmou-Hassell and other authors. They use such parametrix to apply to uniform resolvent estimates and Strichartz estimates. Here, a simpler construction is given by using so-called Isozaki-Kitada modifier. Moreover, I will give some applications of this construction.