

1084-19-216

**Xiaolei Wu\*** ([xwu@math.binghamton.edu](mailto:xwu@math.binghamton.edu)), Department of Mathematics, Suny Binghamton, Binghamton, NY 13902. *Farrell-Jones Conjecture for  $\mathbb{Z}[\frac{1}{p}] \rtimes_{\alpha} \mathbb{Z}$ .*

In this talk, I will present my joint work with Prof. Tom Farrell. Our main result is that we proved the Farrell-Jones Conjecture for  $\mathbb{Z}[\frac{1}{p}] \rtimes_{\alpha} \mathbb{Z}$ , where  $\alpha$  is multiplication by a prime number  $p$ . I will first introduce the conjecture and explain why it is important. Then I will sketch the proof. (Received September 02, 2012)