1176-16-269 **Nariel Monteiro*** (nmonteiro@smith.edu). *The ℓ-modular representation of reductive groups over finite local rings of length two.*

Let $\mathcal{O}_2$ and $\mathcal{O}_2'$ be two distinct finite local rings of length two with residue field of characteristic p. Let $\mathbb{G}(\mathcal{O}_2)$ and $\mathbb{G}(\mathcal{O}_2')$, be the group of points of any reductive group scheme $\mathbb{G}$ over $\mathbb{Z}$ such that p is very good for $\mathbb{G} \times \mathbb{F}_q$ or $\mathbb{G} = \mathrm{GL}_n$. We prove that there exists an isomorphism of group algebra $K\mathbb{G}(\mathcal{O}_2) \cong K\mathbb{G}(\mathcal{O}_2')$, where K is a sufficiently large field of characteristic different from p. (Received January 24, 2022)