

1154-16-1962      **Joshua Jeishing Wen\*** (jeiwenno@gmail.com). *Elliptic shuffle algebras revisited*. Preliminary report.

I will present ongoing work began at the MRC on investigating elliptic quantum group actions on equivariant elliptic cohomology of Hilbert schemes of points on the plane. By mirroring previous work of Feigin and Tsymbaliuk in K-theory, it seems natural to consider a shuffle algebra containing theta functions of higher degrees. This structure differs from previous notions of elliptic shuffle algebras defined by various authors. (Received September 16, 2019)