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*Delta-Springer fibers*

We introduce a family of compact varieties $Y_{n,\lambda,s}$ that generalize the Springer fibers in type A. We show that they have a paving by affines and use properties of this paving to give a presentation for their cohomology rings. These cohomology rings have an action of $S_n$ with the top dimensional cohomology being an induced Specht module. In the case where $\lambda = (1^k)$ and $s = k$, the cohomology ring is the ring constructed by Haglund-Rhoades-Shimozono whose graded Frobenius characteristic is the symmetric function $\omega(\Delta_{e_{k-1}} e_n(q,0))$.

This is joint work with Sean Griffin (ICERM/UC Davis) and Jake Levinson (SFU).