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Alexander Woo*, 875 Perimeter Drive, MS 1103, Moscow, ID 83844-1103. *Delta-Springer varieties.*

We introduce a family of varieties generalizing Springer fibers whose cohomology rings have a symmetric group action generalizing the Springer action. The top dimensional cohomology is an induced Specht module. In one case, the cohomology ring is the Haglund-Rhodes-Shimozono ring whose Frobenius characteristic is essentially the expression in the Delta conjecture at $t=0$.

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