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Neil Saunders* (n.saunders@greenwich.ac.uk), University of Greenwich, Park Row, London, United Kingdom. *Geometry and Combinatorics coming from the Exotic Nilpotent Cone.*

The exotic nilpotent cone as defined by Kato gives a 'Type A-like' Springer correspondence in Type C. In particular, there is a bijection between the symplectic group orbits on the exotic nilpotent cone and the irreducible representations of the Weyl group of Type C. In this talk, I will outline some various geometric and combinatorial consequences that follow from this, such as a parameterisation of the irreducible components of the 'exotic' springer fibres using standard Young bitableaux. These results are joint work with Vinoth Nanadakumar and Daniele Rosso, and Arik Wilbert. (Received August 30, 2020)