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Talia Goldwasser* (tgoldwasser@smith.edu), Department of Mathematics and Statistics, Smith College, Northampton, MA 01060, **Meera Nadeem**, Smith College, and **Garcia Sun**, Smith College. *Matchings and Springer fibers.*

(n, n) Springer fibers have remarkable and unusual geometric features: they have a Catalan number's worth of components, and each component is not only smooth but an iterated tower of \mathbb{P}^1 -bundles. One combinatorial index set for the components is the collection of noncrossing matchings with n arcs. We show an explicit bijection between the cells in a paving of the (n, n) Springer fibers and the combinatorial index set of *standard dotted* noncrossing matchings, and describe some combinatorial results describing the closures of these cells. (Received September 17, 2019)