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William Slofstra* (wslofstra@math.ucdavis.edu). *Root system pattern avoidance and free inversion arrangements*. Preliminary report.

Root system pattern avoidance was introduced by Billey-Braden and Billey-Postnikov to study singularities of Schubert varieties in any Cartan type. I will give a root system pattern avoidance criterion for Terao freeness of inversion hyperplane arrangements, and sketch some connections with the pattern avoidance criterion for rationally smooth Schubert varieties. (Received July 28, 2014)