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Christin Bibby* (cbibby2@uwo.ca). *Combinatorics and stability of arrangements*. Preliminary report.

We consider sequences of linear, toric, and elliptic arrangements when the cohomology of the complement is representation stable, and we study the combinatorics (intersection poset) as a key ingredient of the stability. Examples include arrangements arising from root systems, in which case the combinatorics can be described using labelled partitions. (Received February 06, 2017)