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02125. *Hyperplane Arrangements Generated by Weights of Fundamental Representations of Lie  
Algebras*. Preliminary report.

We study the central hyperplane arrangements generated by the weights of the first and second fundamental representations of complex Lie algebras restricted to their dual Weyl chamber. The combinatorial structure of these arrangements can be interpreted in Physics as the enumeration of the phases of the Coulomb and mixed Coulomb-Higgs branches as described by the Intriligator-Morrison-Seiberg superpotential. (Received July 09, 2016)