1067-14-1227 **Artie Prendergast-Smith*** (prendergast-smith@math.uni-hannover.de), Institut für Algebraische Geometrie, Leibniz Universität Hannover, Welfengarten 1, 30167 Hannover, Germany. *The cone conjecture for Calabi–Yau pairs.*

The Morrison–Kawamata cone conjecture predicts the structure of the nef and movable cones of a variety, in various Calabi–Yau type situations. Roughly speaking, the conjecture says that these cones should enjoy a certain finiteness property relative to the action of the groups of automorphisms or birational automorphisms of the variety.

In this talk I will explain the predictions of the cone conjecture and discuss the cases in which it is known. In particular, I will mention some results of my own for threefolds with semiample anticanonical bundle. (Received September 20, 2010)