1145-53-1384 **Laura P. Schaposnik*** (schapos@uic.edu), 851 S. Morgan St., Office 509, Chicago, IL 60607, and **Steve Bradlow**, **Lucas Branco** and **Sebastian Schulz**. *Geometric correspondances between singular fibres of the Hitchin fibration.* Preliminary report.

Higgs bundles are pairs of holomorphic vector bundles and holomorphic 1-forms taking values in the endomorphisms of the bundle, and their moduli spaces carry a natural hyperkahler structure, through which one can study Lagrangian subspaces (A-branes) or holomorphic subspaces (B-branes). Notably, these A and B-branes have gained significant attention both within mathematics and string theory. In this talk we shall consider novel correspondences between branes lying completely within the singular fibres of the Hitchin fibration, which can be understood through group isomorphisms. The talk is based on work in progress with Steve Bradlow and Lucas Branco, and with Sebastian Schulz. (Received September 21, 2018)