1067-46-1604 **Matthew Cecil*** (`mcecil@nd.edu`), Department of Mathematics, 255 Hurley, Notre Dame, IN 46556, and **Brian Hall**. *From Dimension-independent Heat Kernel Estimates to Exceptional Sets.* Preliminary report.

The classical skeleton theorem states that a square integrable holomorphic function on a complex Wiener space is determined by its 'values' on the Cameron-Martin subspace. Similar results have been proven in the setting of infinite dimensional complex Lie groups endowed with a heat kernel measure by Gordina, Driver, and others. We describe additional generalizations of these results. This is joint work with Brian Hall. (Received September 21, 2010)