

Title: **Subspaces of non-commutative L_p -spaces**

I will discuss the following (non-commutative) generalization of a classical result of Rosenthal: Let $1 \leq p < 2$ and \mathcal{M} be a semi-finite von Neumann algebra, then every separable subspace of $L^p(\mathcal{M})$ either contains a complemented subspace isomorphic to l^p , or embeds isomorphically into $L^r(\mathcal{M}) \oplus L^r(\mathcal{M})$ for some $r > p$.

If time permits, I will also present some general embeddings for the more general case of Haagerup L^p -spaces.