

## Estelle Boffy: 20Positive and Contractive Projections on Schatten spaces

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A subspace of a Banach space  $E$  is said to be 1-complemented if it is the range of a contractive projection, and positively 1-complemented if the projection is, in addition, positive. In the commutative  $L_p$  spaces, the description of contractive projections is well known (see, e.g., Ando's Theorem, 1966). In 1992, Arazy and Friedman provided a characterization of the 1-complemented subspaces of  $S^p(H)$ , the noncommutative  $L_p$  space associated with  $B(H)$ , for  $p=2=2$ . In this talk, I will focus on the positively 1-complemented subspaces of  $S^p(H)$ , and briefly on the case  $p=3$ .