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Nicholas Loehr, Luis Serrano and Gregory S. Warrington*

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Much of the richness of the ring of symmetric functions and the ring of quasi-symmetric functions is embodied in the transition matrices between various pairs of bases. In this talk we give combinatorial interpretations for the entries of certain such matrices involving either the Hall-Littlewood symmetric functions or the quasi-symmetric analogues of them defined by F. Hivert. (Received July 29, 2011)