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Luc Vinet* (luc.vinet@umontreal.ca), Centre de Recherches Mathématiques, Université de Montréal, C.P. 6128, Succursale Centre-ville, Montréal, Québec H3c 3J7, Canada. *The Bannai-Ito Scheme.*

The classification of association schemes led Bannai and Ito to introduce a family of hypergeometric orthogonal polynomials that arise as a $q = -1$ limit of the q -Racah polynomials. They were recently shown to be bispectral and to obey a difference equation of first order in Dunkl shifts. More polynomials with similar properties have been found lately. The purpose of this talk is to present the tableau that is emerging.

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