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Arnaud Brothier*, Vanderbilt University, Department of Mathematics, 1326 Stevenson Center,
Nashville, TN 37240. *Approximation properties for subfactors.*

I will discuss about various approximation properties such as amenability, weak amenability, and the Haagerup property. Those properties have been originally defined for groups and later on for C^* -algebras and von Neumann algebras. I will explain how they can be define for subfactors and more generally for rigid C^* -tensor categories. Then I will present examples of subfactors that have a prescribe approximation property. (Received August 24, 2015)