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Arnaud Brothier* (arnaud.brothier@vanderbilt.edu). *Weak amenability for subfactors.*

Cowling and Haagerup introduced weak amenability for groups. Hence to any group one can attach a real number called the Cowling-Haagerup constant. Weak amenability plays a key role in classification of von Neumann algebras and in deformation/rigidity theory. I will define those notions for subfactors and show that the Cowling-Haagerup constant only depends on the standard invariant. I will explain how this notion is a generalization of the classical one for groups and give exotic examples of subfactors that are weakly amenable. (Received September 04, 2014)