Alexei Davydov* (davydov@ohio.edu), Department of Mathematics, Ohio University, Athens, OH 45701, and Dmitri Nikshych. Purely braided module categories. Preliminary report.

Motivated by extension theory of braided fusion categories we examine module categories over a braided category $C$ which could appear as components of braided extension of $C$. We call such module categories purely braided. They are distinguished by a condition natural from the point of view of the theory of module categories. (Received February 14, 2018)