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Daniel Kasprowski, Mark Powell and Arunima Ray* (aruray@mpim-bonn.mpg.de),
Vivatsgasse 7, 53111 Bonn, NRW, Germany. *Some fake 4-manifolds*. Preliminary report.

Let M and N be manifolds. We say that M is a fake N if M and N are homotopy equivalent but not homeomorphic. I will describe a construction of smooth, fake 4-manifolds. (Received September 20, 2021)