COMPLETENESS OF MACKEY TOPOLOGIES ON BANACH SPACES

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ABSTRACT. Some variations of an example on Mackey topologies in Banach spaces provided by J. Bonet and B. Cascales are given by using a simple result on Mazur spaces. Moreover, we fully characterize the situation (completeness or the lack of it) in the case of Banach spaces with a w^*-angelic dual unit ball by using the concept of norming subspace. A related question concerning the space c_0 is answered. Some other applications are provided.