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On non homologically locally connected cohomology manifolds

Abstract. G.E.Bredon constructed 2-dimensional compact cohomology manifold which is not homologically locally connected (HLC) space, [1], p.131, Example 17.13). Every metrizable 2-dimensional locally compact cohomology manifold is a topological 2-manifold and therefore is HLC space (see, e.g. [1], p.388, Theorem 16.32). We are planning to report about series of 3-dimensional compact metrizable cohomology manifolds which are not HLC.

References

 G. E. Bredon, *Sheaf Theory*, 2nd edn., Graduate Text in Math. 170, Springer, 1997.