1136-13-136 **Giuseppe Favacchio*** (favacchio@dmi.unict.it), Dipartimento Matematica e Informatica, Università Degli Studi Di Catania, Viale Andrea Doria 6, 95125 Catania, CT, Italy. *The Betti Weak Lefschetz Property.*

We study the Hilbert functions and the graded Betti numbers of linear quotients of Artinian k-algebras. It is known that Weak Lefschetz algebras are characterized by the Hilbert function of their generic linear quotient. This result give us the hint to introduce and investigate a new property, called the Betti Weak Lefschetz Property, which encodes a "good behavior" of the graded Betti numbers of generic linear quotients of Weak Lefschetz algebras. Based on a joint work with A. Ragusa and G. Zappalà. (Received January 09, 2018)