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Motivated by new physics models which lead to final states containing a high multiplicity of bottom and top quarks; we developed a tagging strategy to suppress reducible and non-reducible multi-jet backgrounds. The idea takes advantage of the properties of light parton showers and of the gluon fragmentation into heavy quarks to reject jets that do not originate from a bottom quark. Preliminary bounds on the upper limits of the branching ratios of heavy Higgses to vector-like quarks will be presented.

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