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*Modulo  $p$  structures of multiple harmonic sums.*

We will discuss arithmetic properties and possible relations for finite multiple harmonic sums (MHS) modulo a prime which are defined as partial sums of multiple zeta values. The theory of MHS modulo a prime bears many similarities with the theory of multiple zeta values. It turns out that the MHS modulo a prime often can be expressed in terms of Bernoulli numbers. We will describe sets of generators for the MHS of small weights and give a refinement of results due to Hoffman and Zhao for the MHS in weight 7 and 9 modulo a prime. This is joint work with Khodabakhsh Hessami Pilehrood and Roberto Tauraso.