

Bunch Coalescing in a Helical Channel

A high-luminosity Muon Collider requires bunch recombination for optimal luminosity. We take advantage of the large slip factor attainable in a helical transport channel (HTC) to coalesce bunches of muons into a single one over a shorter distance than can be achieved over a straight channel.

Primary author: Dr YOSHIKAWA, Cary (Muons, Inc.)

Presenter: Dr YOSHIKAWA, Cary (Muons, Inc.)