

**Muon Dynamics and Ionization Cooling at Muon Colliders\***, Z. PARSA, Brookhaven National Lab, 901A, Upton, NY, USA - Muon Dynamics and beam cooling methods for muon colliders are presented. Formulations and effects of Ionization cooling as the preferred method used to compress the phase space to reduce the emittance and to obtain high luminosity muon beams are also included.

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