APS | DIVISION OF
PARTICLES & FIELDS

DPF 2017

MEETING OF THE AMERICAN PHYSICAL SOCIETY DIVISION OF PARTICLES AND FIELDS

Contribution ID: **71**   Type: **Presentation**

Bunched beam cooling for hadron colliders

Thursday, 3 August 2017 11:03 (18 minutes)

The paper discusses cons and pros of different cooling methods for cooling of bunches at the collision energy in a hadron collider. Possible applications and ultimate possibilities for stochastic cooling, coherent electron cooling, optical stochastic cooling and electron cooling are considered.

Primary author: Dr LEBEDEV, Valeri (Fermilab)

Co-author: NAGAITSEV, Sergei (FNAL)

Presenter: NAGAITSEV, Sergei (FNAL)

Session Classification: Accelerators

Track Classification: Accelerators