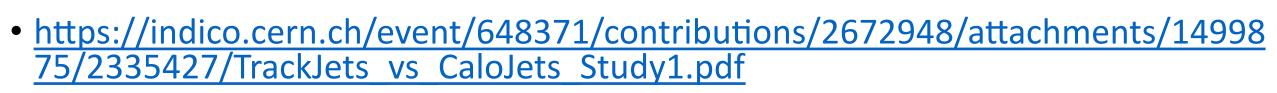
## Shrinking Cone Algorithm

Xiaoning Wang

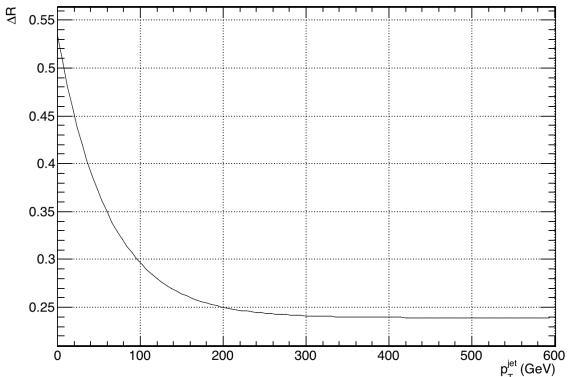
2020, March 5

## Shrinking Cone Algorithm

- a = 0.239,
- b = -1.220,
- c = -1.64e-5,
- Cone size =  $a + e^{b+c*p_T^{jet}}$ ,  $p_T^{jet}$  in unit MeV
- for each particle we find the closest jet
- if the closest jet is within the shrinking dR come or marjer, it is considered "associated"



• There's an ongoing QT listed on trk-to-jet association: <a href="https://its.cern.ch/jira/browse/AFT-450">https://its.cern.ch/jira/browse/AFT-450</a>



## Some event displays



