Energy Loss in the Absorber and Wedge

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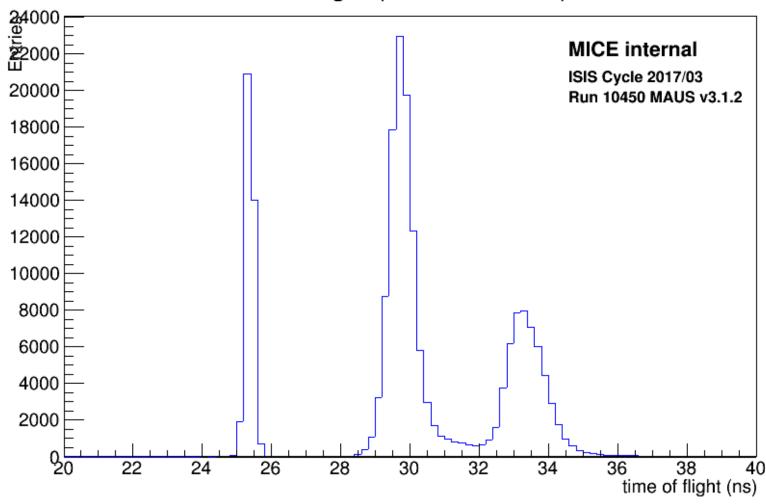
16 May 2018

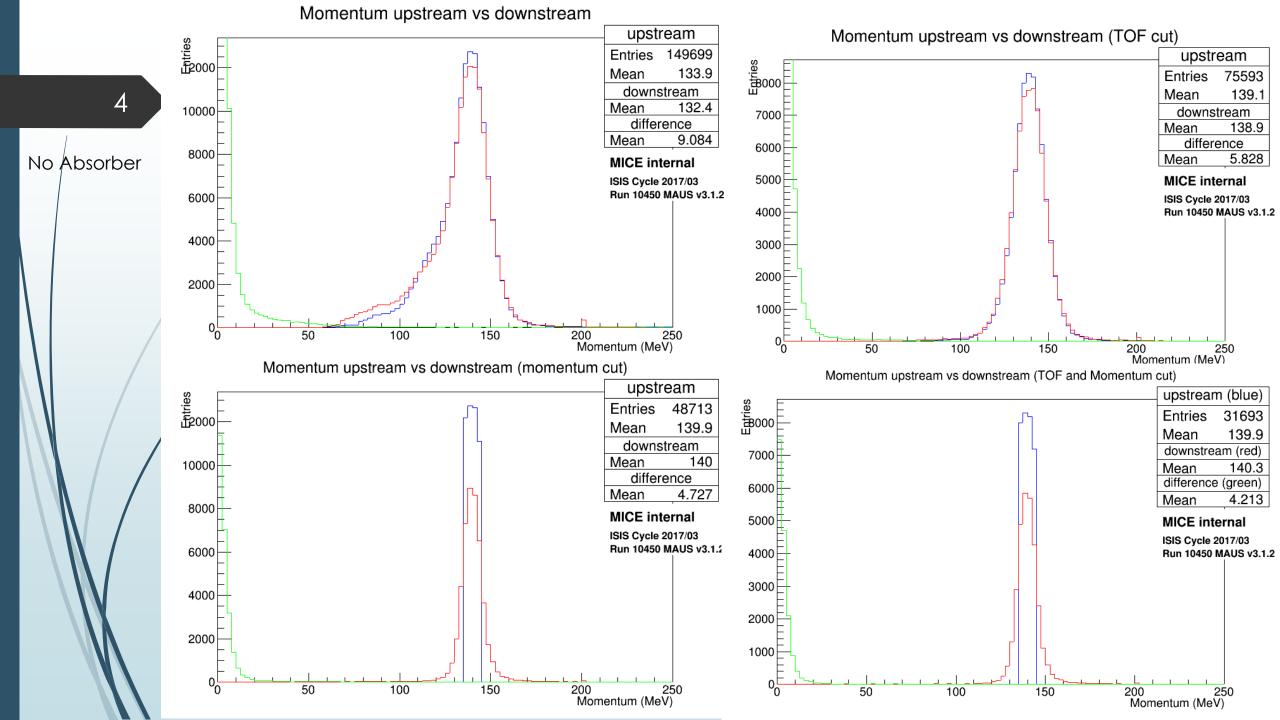
Data Sets

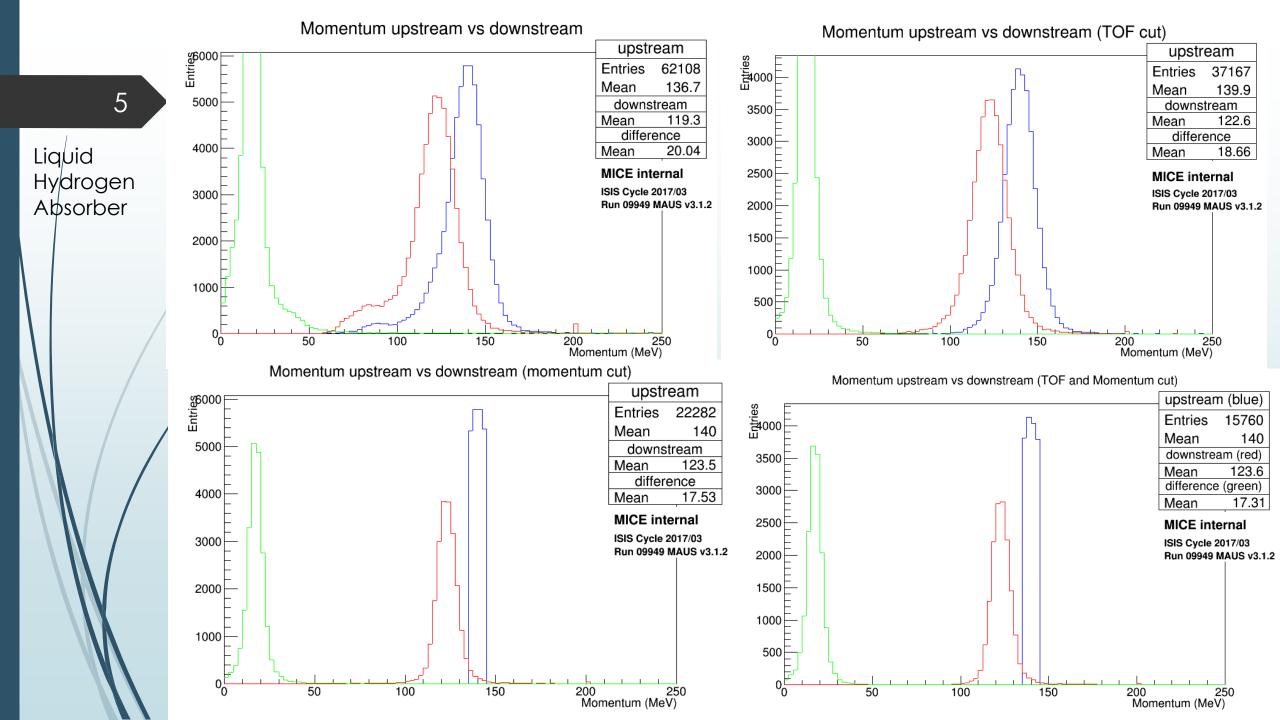
- Looking at three data sets
- Data sets with cooling channel 2017-02-7
- Data sets with Optics 6-140+M3-Test2
- Data Set 10450 has no absorber
- Data Set 09949 has liquid Hydrogen absorber
- Data Set 10537 has wedge
- Make Momentum Cut 135 to 145 MeV/c
- As well as a TOF Cut 28 to 32 ns
- 2 Tracks, one upstream and one downstream
- Using Station 1 and plane 0 of Sci Fi Trackers

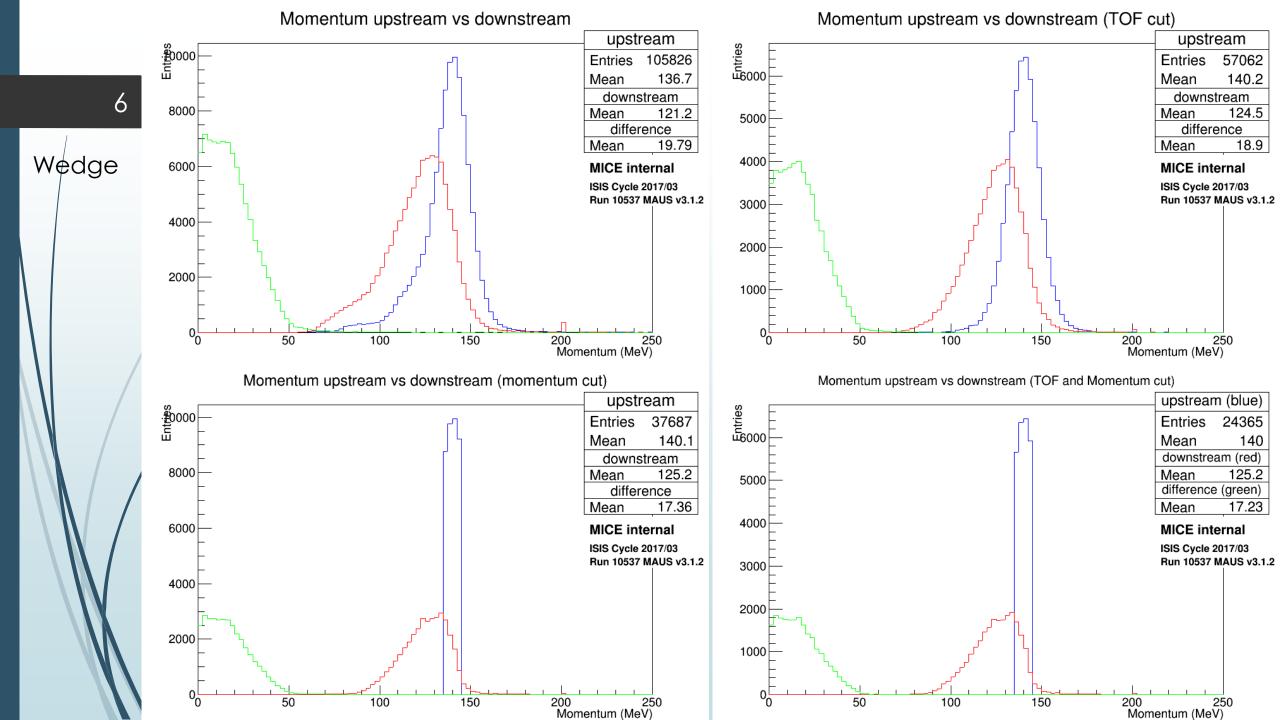


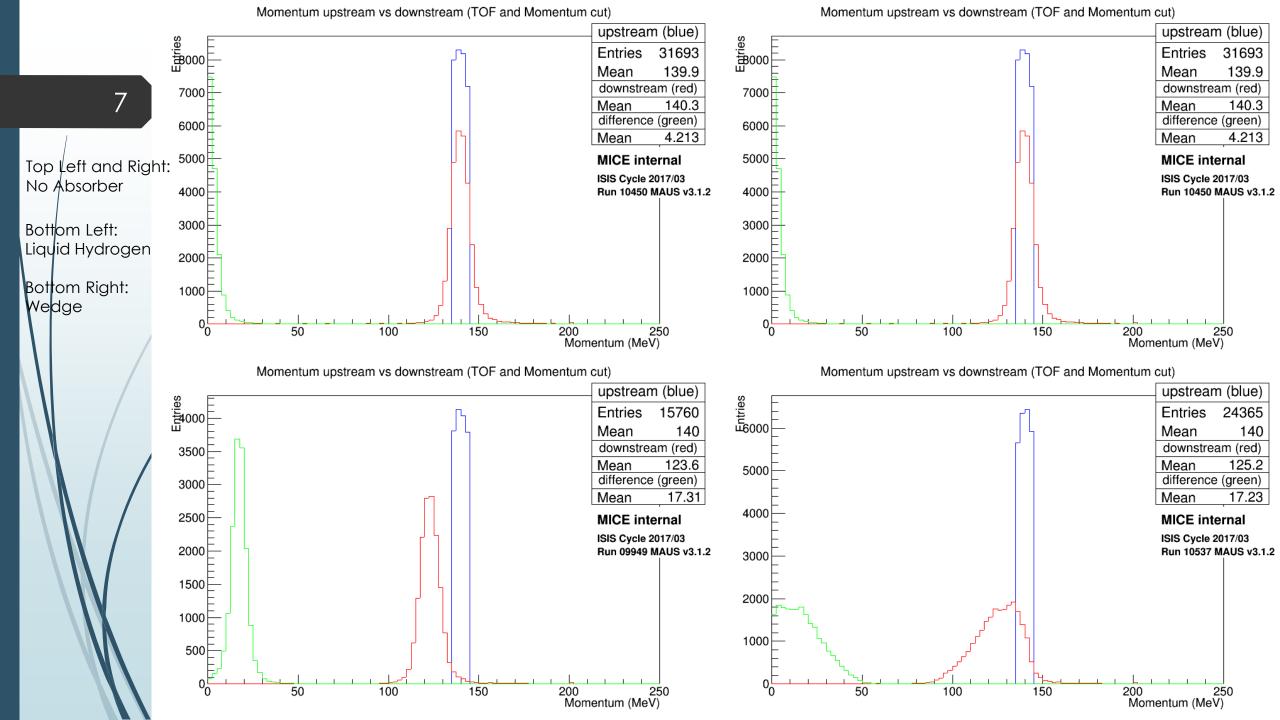
Time of flight (TOF0 to TOF1)

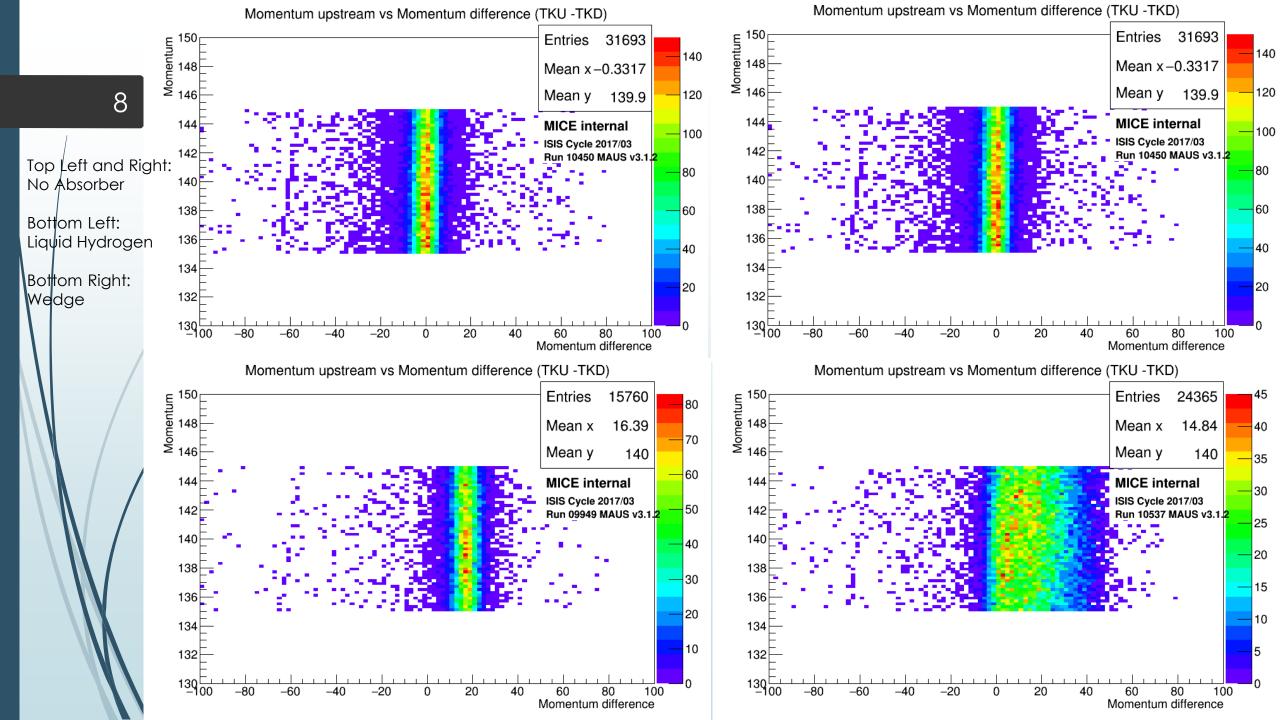






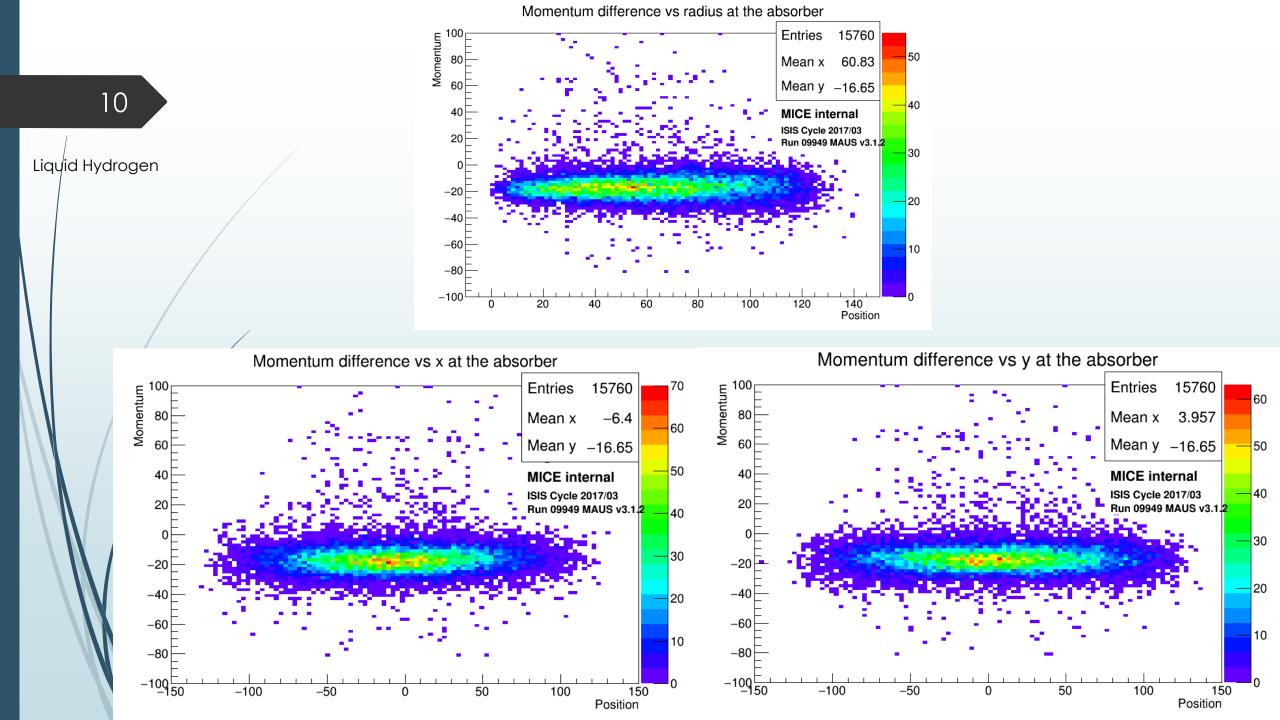


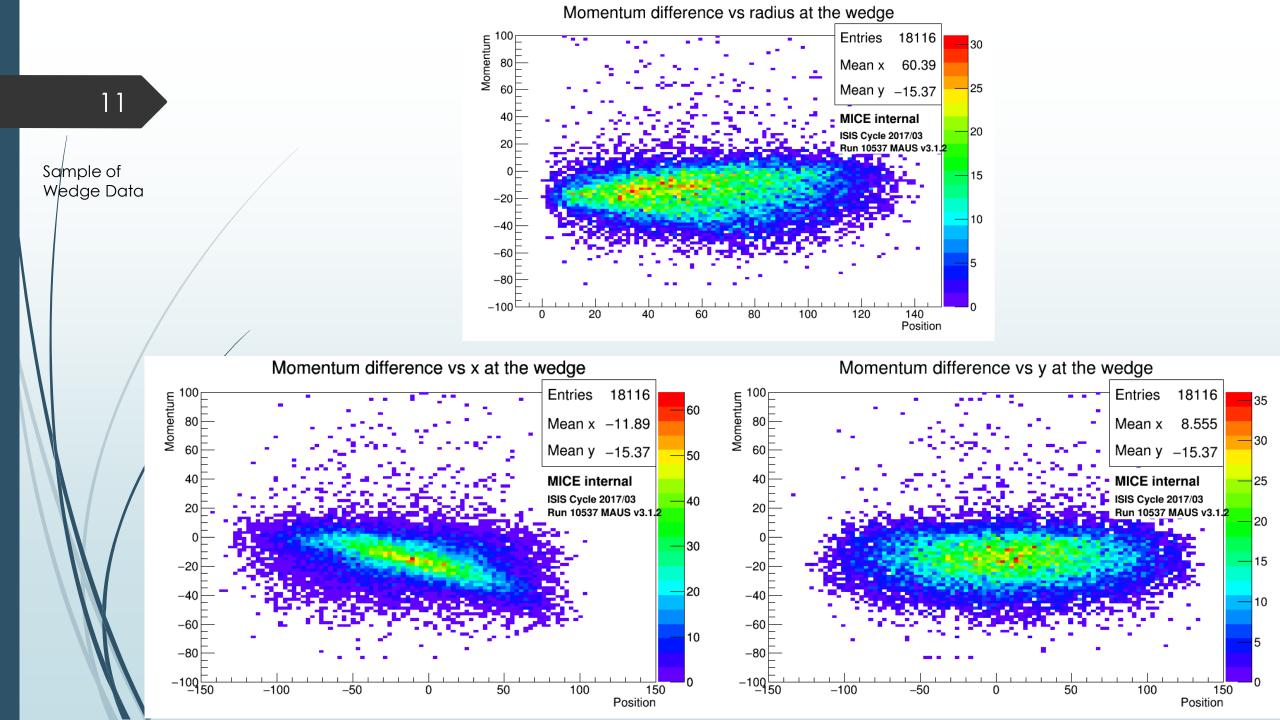




Momentum difference at the absorber/wedge

- Extrapolate data from TKU to absorber/wedge
- Showing Momentum difference for various radii, x and y position
- Caution: Extrapolation from to TKU to TKD for no absorber data set shows slight variation to real data





No Absorber

Caution: Comparing data extrapolated from TKU to TKD vs real data

