

# MARATHON Pass 2 Analysis Primer

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## I. OVERVIEW

### II. REPLAY

(Tyler Hague)

## III. CALIBRATIONS

### i. E/p

(Mike Nycz)

### ii. VDC

### iii. Raster

(Tyler Hague)

### iv. BCM

(Mike Nycz)

### v. BPM

(Jason Bane)

### vi. Optics

## IV. CORRECTIONS

### i. PID

### i. Positron Subtraction

(Tong Su)

### ii. Endcap Subtraction

(Tong Su)

### iii. Livetime

### iv. Tritium Decay

(Tyler Kutz)

### v. Boiling

(Tong, Mike)

### vi. Radiative Corrections

(Hanjie Liu)

## V. BINNING AND COMBINING

Bin width Choice

Bin Centering

Combining Kinematic Overlap