

**LED Monitoring Update
Calorimetry meeting Oct 01 2020**

Varun Neelamana



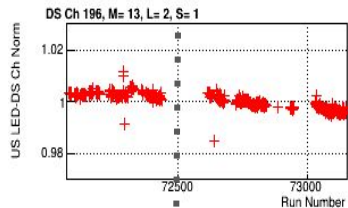
University
of Regina



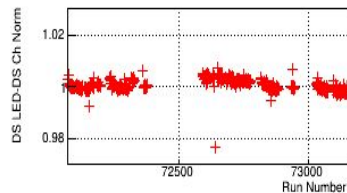
Faculty of
Science

Normal plots

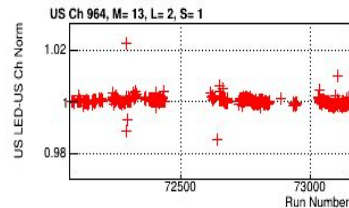
US LED



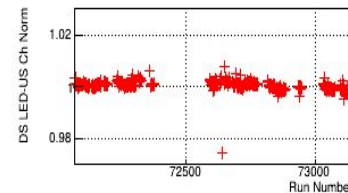
DS LED



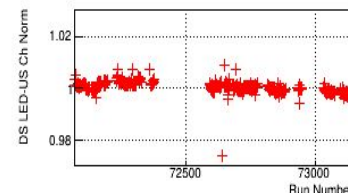
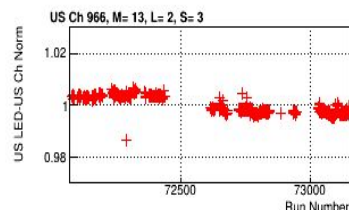
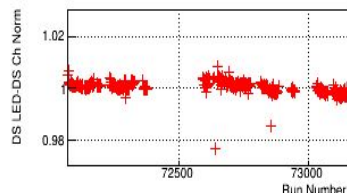
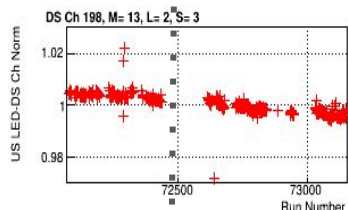
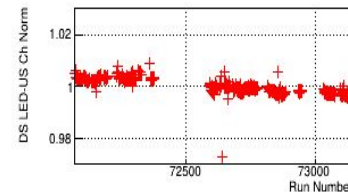
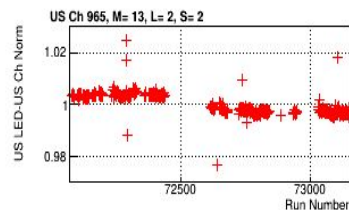
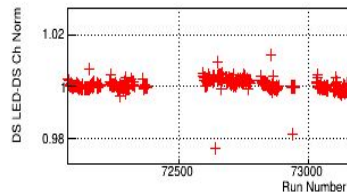
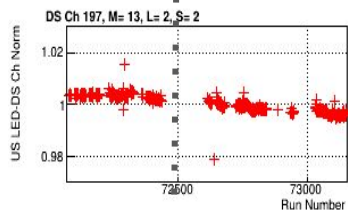
US LED



DS LED



Y
axis
0.97
to
1.03



72068-72435
Fall 2019

72590-
Spring 2020

Downstream SiPMs

Upstream SiPMs

Run Number



SiPM issues (Reported)

US LED

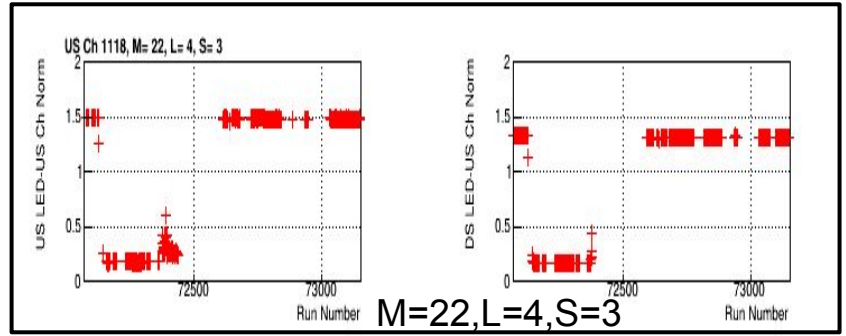
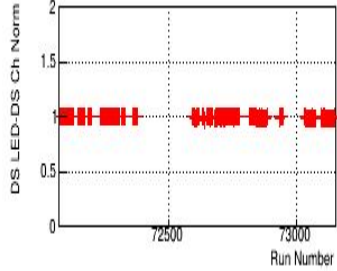
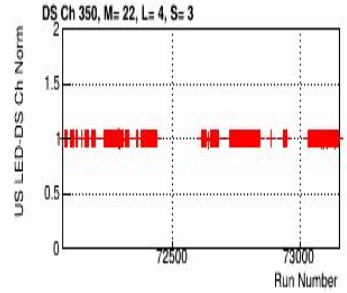
DS LED

US LED

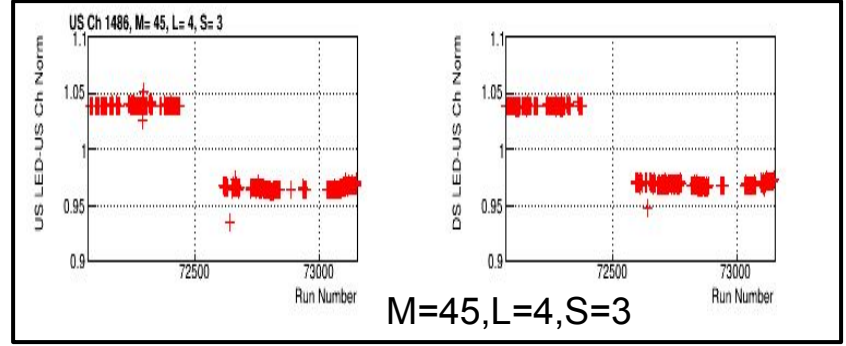
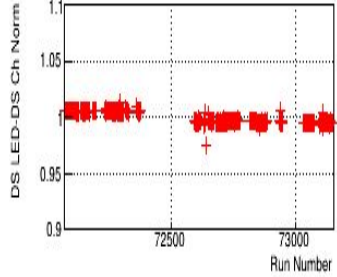
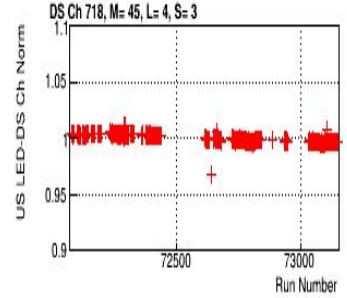
1118

DS LED

Y
axis
0 to 2



Y
axis
0.9 to
1.1



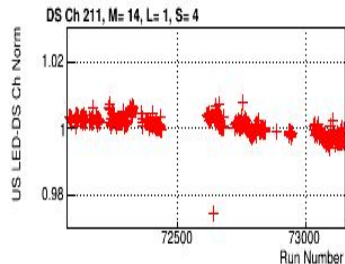
1486

Downstream SiPMs

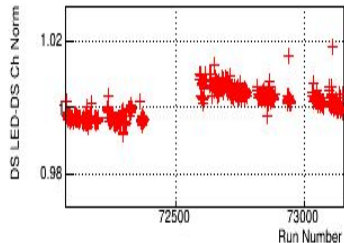
Upstream SiPMs

SiPM issues US LED

Y axis
0.97
to
1.03



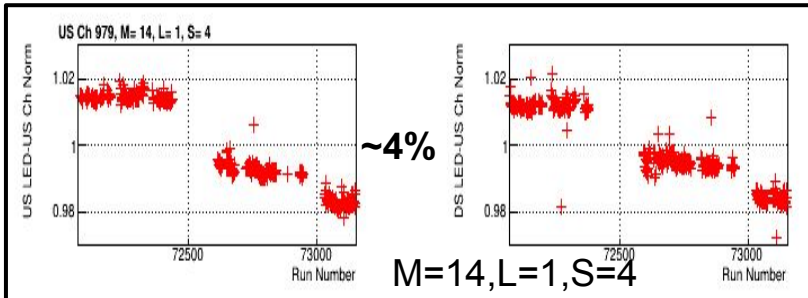
DS LED



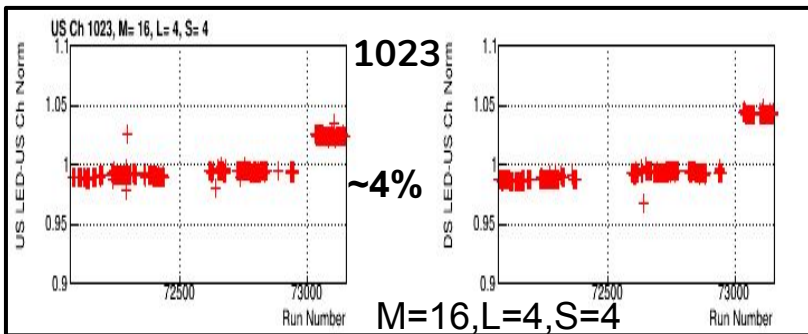
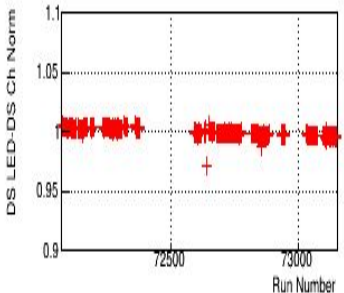
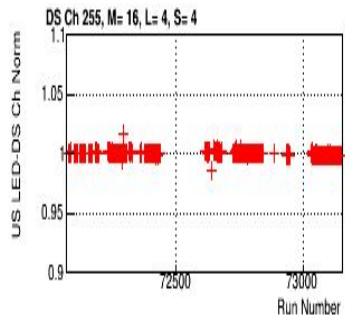
US LED

979

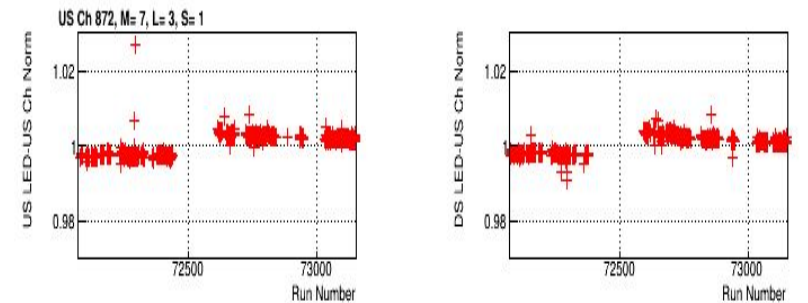
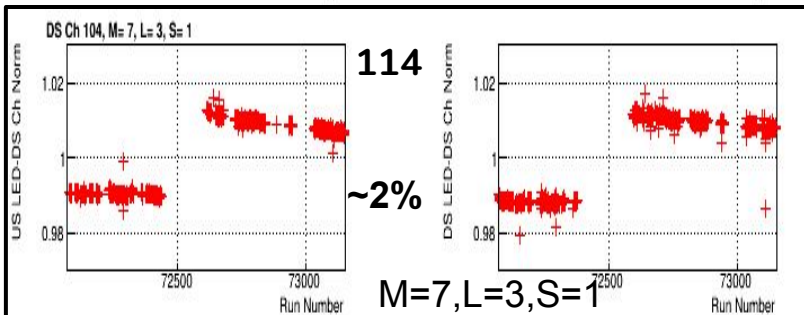
DS LED



Y axis
0.9 to
1.1



Y axis
0.97
to
1.03



Downstream SiPMs

Upstream SiPMs

LED issues

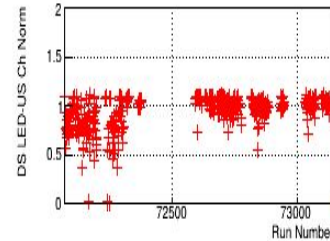
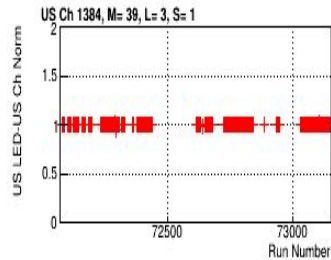
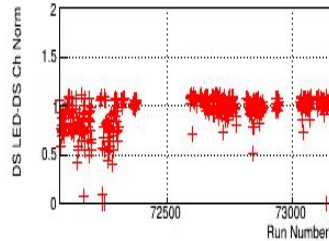
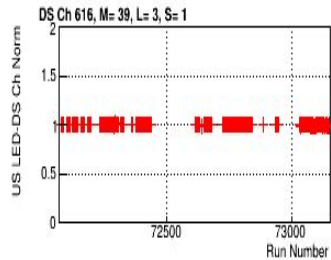
US LED

DS LED

US LED

DS LED

Y
axis
0 to 2



Downstream SiPMs

Upstream SiPMs

DS LEDs - 158
US LEDs - 13