

FROM 311 TO 666

Light Readout

GOALS OF THE MEETING

1. Review:

- Summary of the light trigger and DAQ systems in the **311** detector
- Characteristics of the light signals in the 311 and PMT response in the lab
- Summary of the light trigger and DAQ systems in the **666** detector
- Characteristics of the FEE
- Expected light system operation modes in the 666 and DAQ requirements:

1) Calibration mode:

- External LED system
- SPE calibration from data (random trigger)

2) PMT trigger: Coincidence of a certain number of PMTs above threshold

3) External trigger: Light acquisition in coincidence with beam

2. Write a short document about the 666 light readout requirements, FEE specifications and light system operation modes

3. Test the complete electronics chain