

Motivation: need to make progress on services (eg. cooling, gain monitoring system...) and readout electronics

1. Requirement on gain stability to achieve a $\sim 1\%$ constant term
 - Single particle simulations:
study σ/E vs E with different uncorrelated mis-calibration coefficients in each crystal
2. Requirement on readout linearity
 - Single particle simulations:
study resolution simulating different levels of non-linearity
3. Requirement on 2-peak resolution (eg. background rates)
 - DIS and background events:
study rates per crystal (as a function of η)
4. Minimal energy threshold required (per cluster/per tower)
 - Single particle simulations:
energy resolution and detection efficiency assuming different energy thresholds per crystal
(see [Sasha's presentation](#) on Aug 9)