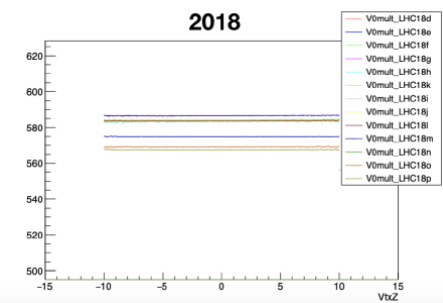
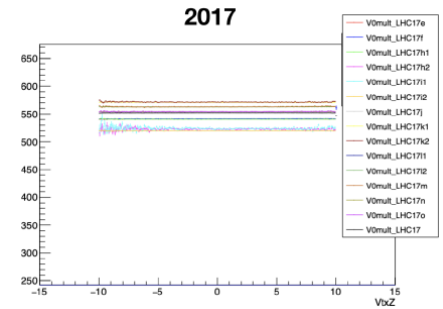
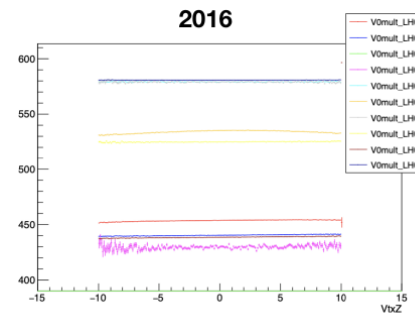
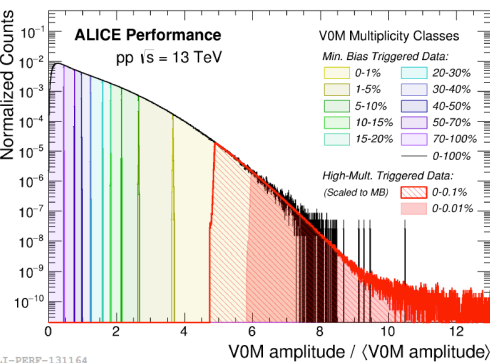
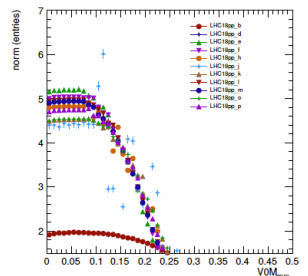
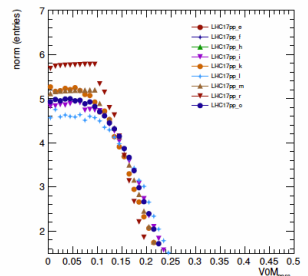
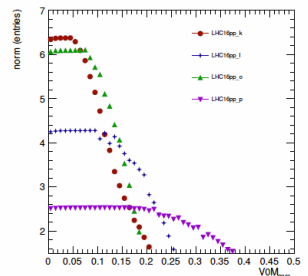
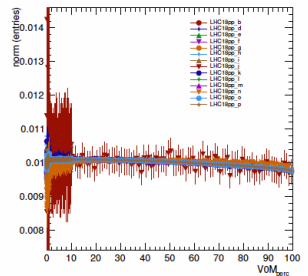
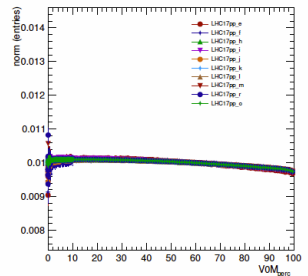
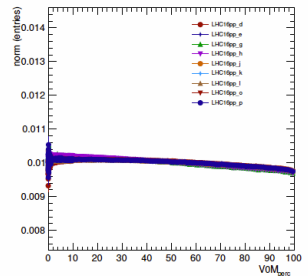


- Reference: Lc analysis note



ALI-PERF-131164



- Reference: Lc analysis note
<https://twiki.cern.ch/twiki/bin/viewauth/ALICE/ReferenceMult>

V0M _{perc} [%]	$\langle dN_{ch}/d\eta \rangle$	trigger	trigger efficiency	trigger correction
INEL>0 ([0, 100])	$7.06^{+0.10}_{-0.08}$	MB	0.92 ± 0.003	No
[30, 100] + INEL>0	$4.51^{+0.07}_{-0.05}$	MB	0.897 ± 0.013	No
[0.1, 30] + INEL>0	$14.04^{+0.18}_{-0.15}$	MB	0.997 ± 0.001	No
[0, 0.1] + INEL>0	$31.87^{+0.60}_{-0.54}$	HMVOM	1.0 ± 0.0	No

Table 12: V0M percentile multiplicity bins, along with the $\langle dN_{ch}/d\eta \rangle$ for $|\eta| < 1$ (from PWGMM), the used trigger, the trigger efficiency (from PWGMM), and if a trigger correction is needed due to the trigger turn on curve.

- Corrected yields per event

$$\frac{1}{N_{\text{mult}}} \frac{dN_{\text{mult}}^{\text{hadron}}}{dp_T} \Big|_{|y|<0.5} = \frac{1}{N_{\text{mult}}} \frac{1}{\Delta p_T} \frac{1}{\text{BR}_{\text{channel}}} \frac{f_{\text{prompt}}(p_T) \cdot \epsilon_{\text{trigger}} \cdot \frac{1}{2} N^{\text{hadron,raw}}(p_T)_{\text{mult}} \Big|_{|y|<y_{\text{fid}}}}{2y_{\text{fid}}(p_T) (\text{Acc} \times \epsilon)_{\text{prompt}}(p_T)}, \quad (7)$$

ratio (BR), the p_T interval width (Δp_T), the rapidity coverage ($2y_{\text{fid}}$ as described in Section 3.2). N_{mult} is the number of events in each multiplicity bin, corrected for the number of events without a vertex or outside the z-vertex position (as implemented in the `AliNormalizationCounter` class), and counted in the INEL>0 event class (i.e. considering event with at least 1 tracklet in the range $|\eta| < 1$). The normalised yields were also corrected for the effect of the INEL>0 and multiplicity selection by the trigger efficiency $\epsilon_{\text{trigger}}$, as discussed in Sec. 4.3.