Accuracy of $Q_{\mathrm{VEM}}^{\mathrm{pk}}$ fit for UB and UUB

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IIHE-ULB

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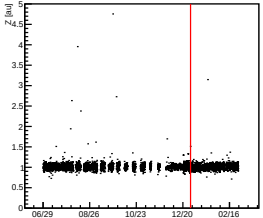
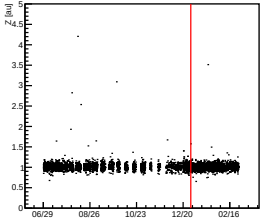
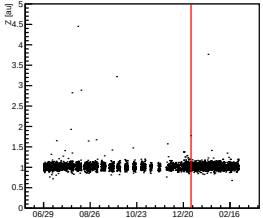
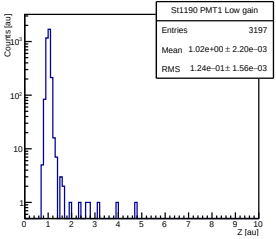
Baseline stability

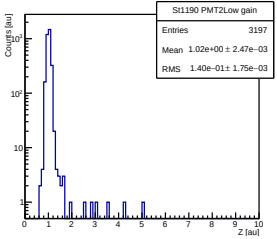
Station 1190, low gain. $Z = (\mu_1 - \mu_2) / \left(\sqrt{\sigma_1^2 + \sigma_2^2} \right)$, 1 first 100 bins, 2 last 100 bins.

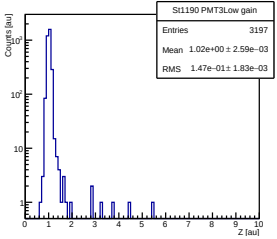






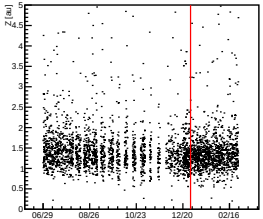


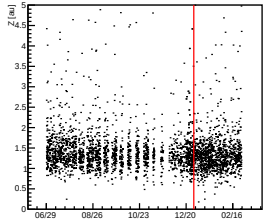


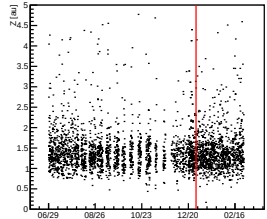


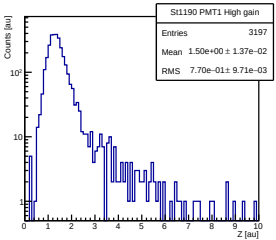
Baseline stability

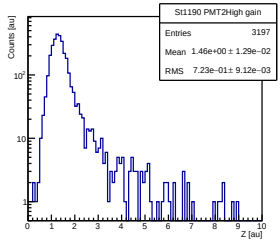
Station 1190, high gain

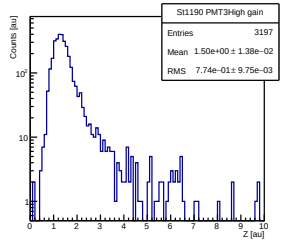






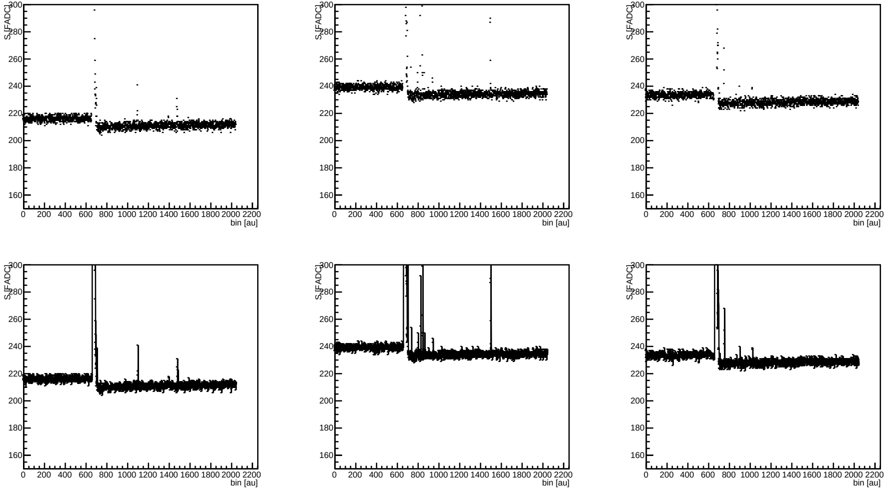






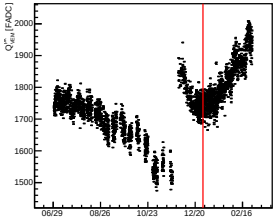
Example for a baseline with Z > 2.5

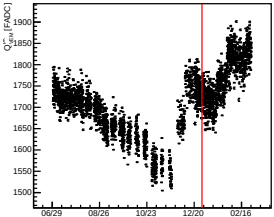
Station 1190

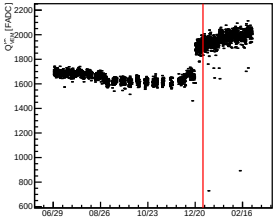


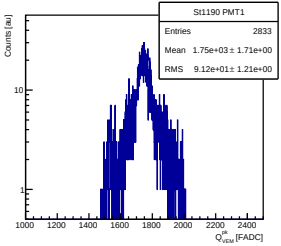
$Q^{\mathrm{pk}}_{\mathrm{VEM}}$ for events with Z < 2. High gain.

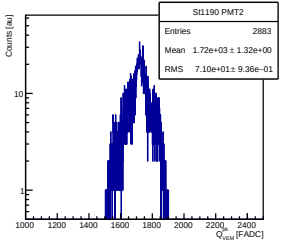
Station 1190

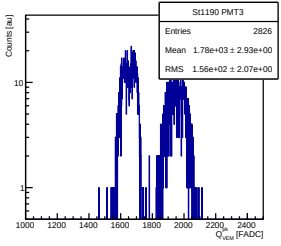












Signal for events with Z < 2. High gain.

Station 1190