# Detector check note

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# Cherenkov:

1. Pedestal check:       'gaus' fit 'L.cer.a_p';
2. Gain match check:    'gaus' fit 'L.cer.a_c' single photon peak (both LHRS and RHRS are supposed to be around 300)

note: all the relayed rootfiles are used;
     Don't draw when the fitted single photon peak is out of range (150,450) for LHRS or (200,500) for RHRS. The bad fit is always due to poor statistics.

# S2:

1. Pedestal check:       'gaus' fit 'L.s2.la_p';
2. Gain match check:    'laudau' fit 'L.s2.la_c' peak (the main peak not single photon peak; the single photon peak can only be seen at high kinematics)
3. LHRS peak should be 300 and RHRS peak should be 170;

note: all the relayed rootfiles are used;
     Don't draw when the fitted peak is out of range (200, 500) for LHRS or (120, 350) for RHRS. The bad fit is always due to poor statistics.

# S0:

1. Pedestal check: 'gaus' fit 'L.s0.la_p';
2. Gain match check: 'laudau' fit 'L.s0.la_c' peak (the main peak not single photon peak; the single photon peak can only be seen at high kinematics)
3. LHRS peak should be 400 and RHRS peak should be 900;

note: all the relayed rootfiles are used;
    Don't draw when the fitted peak is out of range $(200, 700)$ for LHRS or $(700, 1100)$ for RHRS. The bad fit is always due to poor statistics.