

# UPDATE

## Probing Scaling Properties of the Underlying Event in pp Collisions from $\sqrt{s} = 0.9$ to 13 TeV

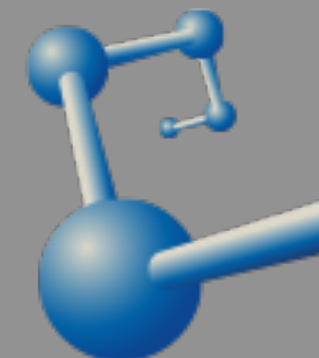
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ALICE

# Debugging the Source Code for 0.9 TeV

## Having the following informations while checking the local test

```
I-AliEventCuts::AcceptEvent: Current run (121040) is different from the previous (121040): setting automatically the corresponding event cuts.
```

```
F-AliEventCuts::AutomaticSetup: Automatic period detection failed, please use the manual mode. If you need this period in AliEventCuts send an email to the DPG event selection mailing list.
```

```
bool AliEventCuts::AcceptEvent(AliEvent *ev) {
    if (fGreenLight) return true; /// Bypass all the selections

    /// If not specified the cuts are set according to the run period
    const int current_run = ev->GetRunNumber();
    if (current_run != fCurrentRun) {
        fCurrentRun = current_run;
        if (!fManualMode) {
            ::Info("AliEventCuts::AcceptEvent","Current run (%i) is different from the previous (%i): setting automatically the corresponding event cuts.",current_run
                AutomaticSetup(ev);
        }
    }
}
```

```
void AliEventCuts::AutomaticSetup(AliEvent *ev) {
    .....
    /// Run 1 pp
    if ((fCurrentRun >= 140164 && fCurrentRun <= 146860) || // pp 2.76 TeV (LHC11a)
        (fCurrentRun >= 121692 && fCurrentRun <= 126437) || // pp 7 TeV (LHC10d)
        (fCurrentRun >= 172439 && fCurrentRun <= 193766)) { // pp 8 TeV (LHC12a-i)
        SetupRun1pp();
        return;
    }
}
```

```
::Fatal("AliEventCuts::AutomaticSetup","Automatic period detection failed, please use the manual mode. If you need this period in AliEventCuts send an email to
```

# Adding Histograms for TSmin, TSmax

- It works for data (13, 7, 5.02, 2.76 TeV)
- Debugging on MC sample  
(the output file is empty)

