Instrumental JESR JES effective NP stat. 6 JER EffectiveNP 3 JER DataVsMC MC16 JER EffectiveNP 1 JER EffectiveNP 4 JER EffectiveNP 5 JER EffectiveNP 9 JER EffectiveNP 12restTerm JER EffectiveNP 11 JER EffectiveNP 7 JER EffectiveNP 10 JER EffectiveNP 8 JER EffectiveNP 2 JER EffectiveNP 6 JES pileup ρ topology JER DataVsMC AFIL JES flavour composition JES pileup offset μ JES flavour response JES effective NP modelling 1 0.5 1.5 2.5 Pull significance