

1 Data Sample and Software

1.1 Data Sample

The analysis used “pass 2” reconstructed Pb-Pb data from LHC11h (AOD145). The runlist was selected from runs with global quality tag “1” in the ALICE Run Condition Table. Approximately 40 million combined central, semi-central, and minimum bias events were analyzed. Runs from both positive (++) and negative (--) magnetic field polarity settings were used.

Run list: 170593, 170572, 170388, 170387, 170315, 170313, 170312, 170311, 170309, 170308, 170306, 170270, 170269, 170268, 170230, 170228, 170207, 170204, 170203, 170193, 170163, 170159, 170155, 170091, 170089, 170088, 170085, 170084, 170083, 170081, 170040, 170027, 169965, 169923, 169859, 169858, 169855, 169846, 169838, 169837, 169835, 169591, 169590, 169588, 169587, 169586, 169557, 169555, 169554, 169553, 169550, 169515, 169512, 169506, 169504, 169498, 169475, 169420, 169419, 169418, 169417, 169415, 169411, 169238, 169167, 169160, 169156, 169148, 169145, 169144, 169138, 169099, 169094, 169091, 169045, 169044, 169040, 169035, 168992, 168988, 168826, 168777, 168514, 168512, 168511, 168467, 168464, 168460, 168458, 168362, 168361, 168342, 168341, 168325, 168322, 168311, 168310, 168115, 168108, 168107, 168105, 168076, 168069, 167988, 167987, 167985, 167920, 167915

Analysis was also performed on the LHC12a17a_fix (AOD149) Monte Carlo HIJING events for certain checks. THERMINATOR2 was also used for certain aspects, such as generation of transform matrices describing feed-down contributions, estimation of λ parameters, and non-femtosopic background modeling.

1.2 Software

The analysis was performed on the PWGCF analysis train using AliRoot v5-09-29-1 and AliPhysics vAN-20180505-1.

The main classes utilized include: AliFemtoVertexMultAnalysis, AliFemtoEventCutEstimators, AliFemtoESDTrackCutNSigmaFilter, AliFemtoV0TrackCutNSigmaFilter, AliFemtoXiTrackCut, AliFemtoV0PairCut, AliFemtoV0TrackPairCut, AliFemtoXiTrackPairCut, and AliFemtoAnalysisLambdaKaon. All of these classes are contained in /AliPhysics/PWGCF/FEMTOSCOPY/AliFemto and ../AliFemtoUser.