Summary and Outlook

important information on nucleus-nucleus reaction process

- confirmation of hydrodynamic behaviour (radial,longitudinal flow)
- separation of kinetic freezeout temperature and flow velocity
- overpopulation of pion phase space supports 2-stage freezeout: hadrochemical at 170 MeV, kinetic at 120 MeV
- purely statistical event-by-event fluctuations support existence of a deconfined phase
- possible signals from the phase transition not seen: long-lived mixed phase,DCC,parity violation
- flow systematics may indicate softening of EOS

future analysis of correlations and fluctuations in NA49

- 3-particle correlations
- impact parameter dependence
- energy (40,158 GeV/nucleon) and nuclear size (CC,SiSi,PbPb) dependence
- quantitative explanation of event-by-event fluctuations