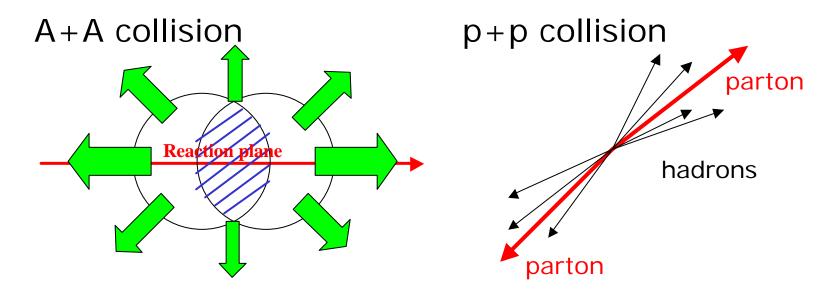
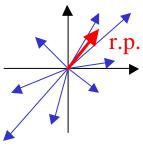
Interplay between v2 and jets at 200GeV Au+Au collisions at RHIC-PHENIX

ShinIchi Esumi for the PHENIX collaboration Univ. of Tsukuba

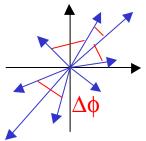
One preliminary plot Many simulations Summary





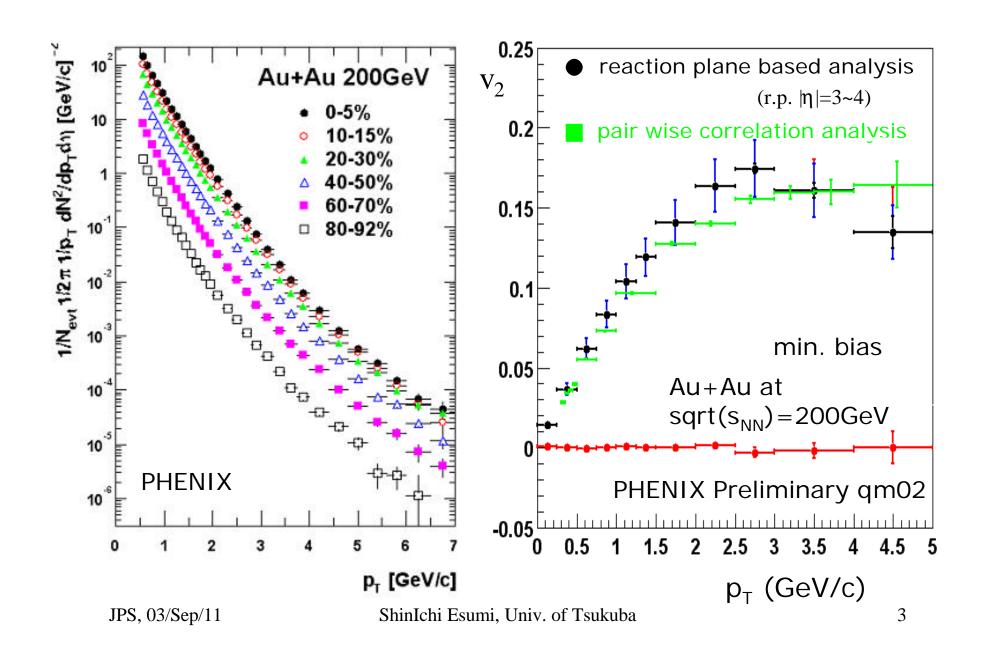
r.p. for a geometrical origin suffer r.p. resolution (smeared shape)

 $dN/d(f-F) = N(1 + S 2v_n'cos(n(f-F)))$

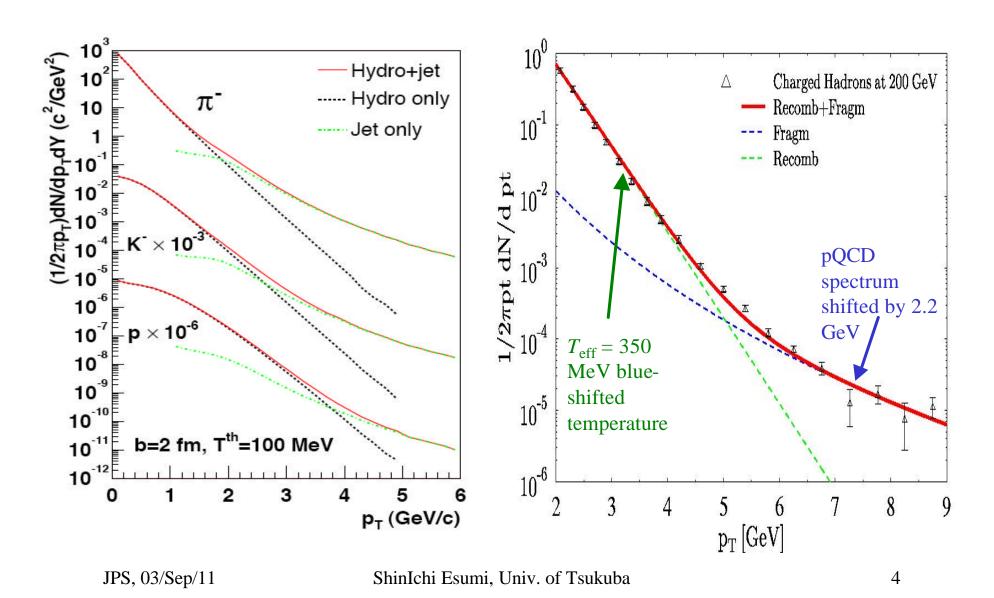


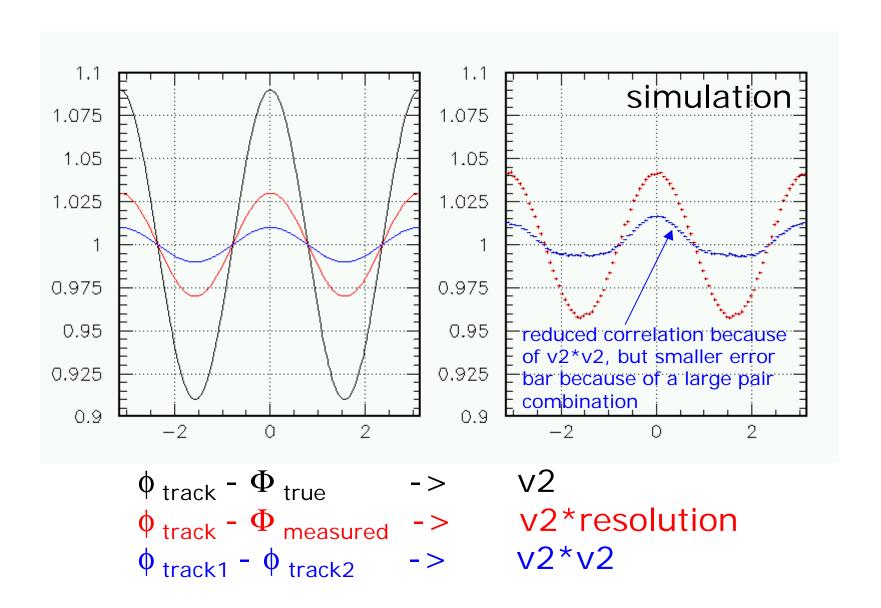
no smearing (detailed shape analysis) event anisotropy shape (no relation to r.p.)

$$N^{real}(Df)/N^{mixed}(Df) = N(1 + S 2v_n^2 cos(n(Df)))$$

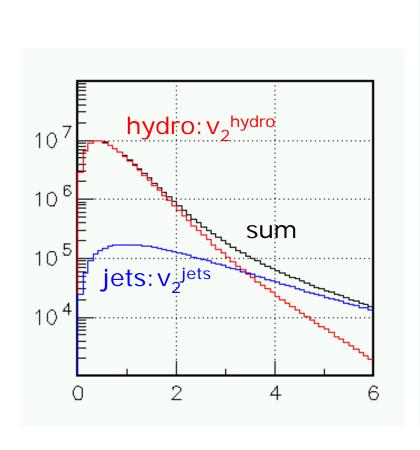


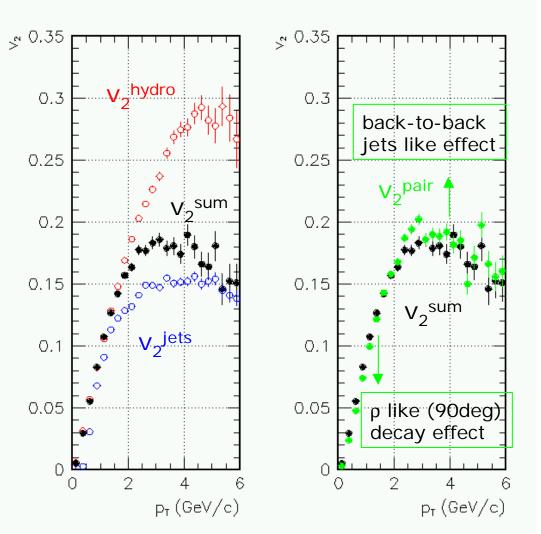
Models (hydro+recombination+jets)





Flow+Jets simulation

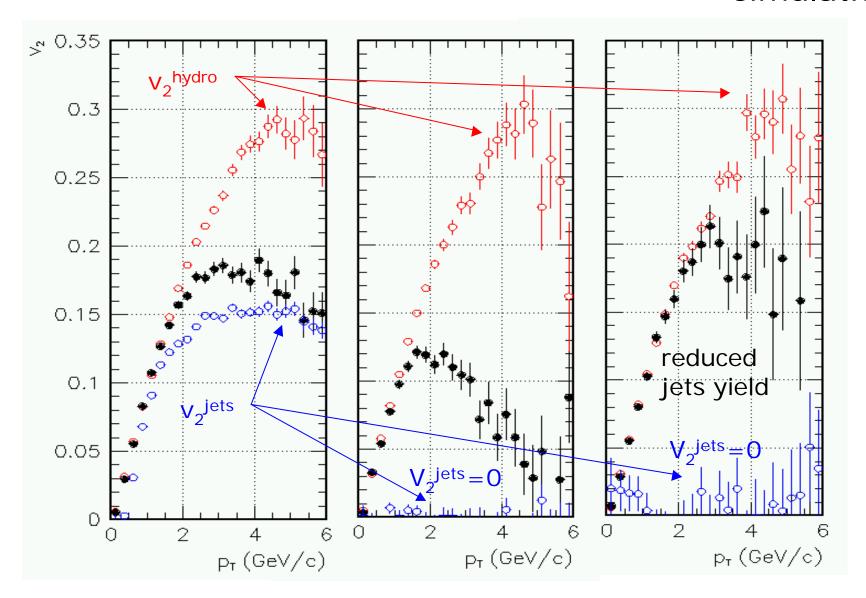




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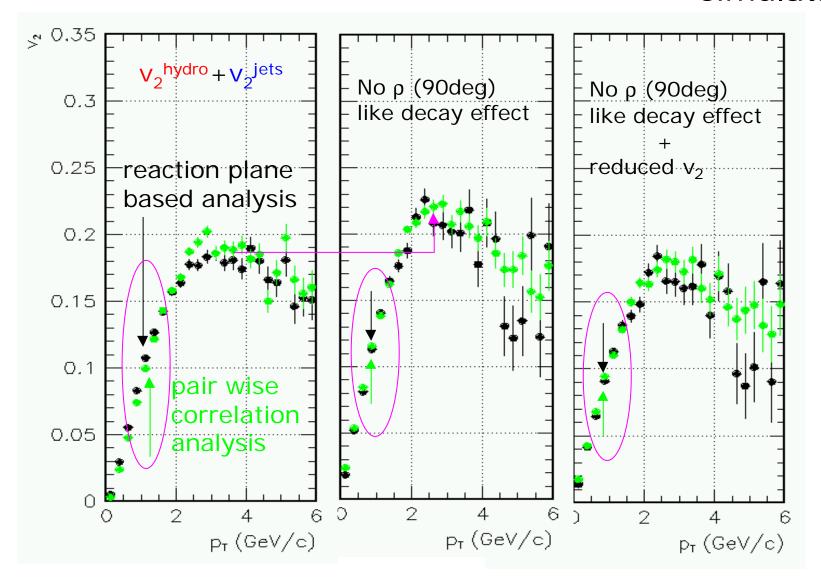
simulation

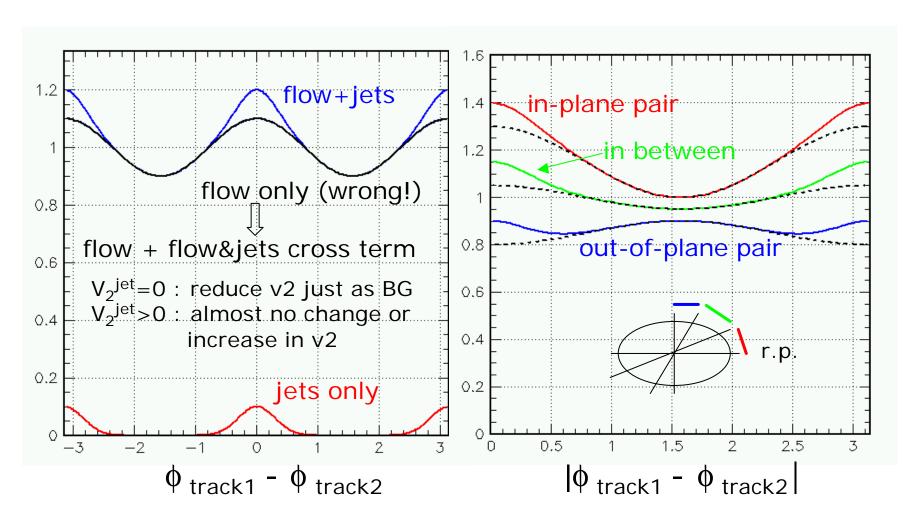


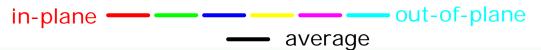
JPS, 03/Sep/11

ShinIchi Esumi, Univ. of Tsukuba

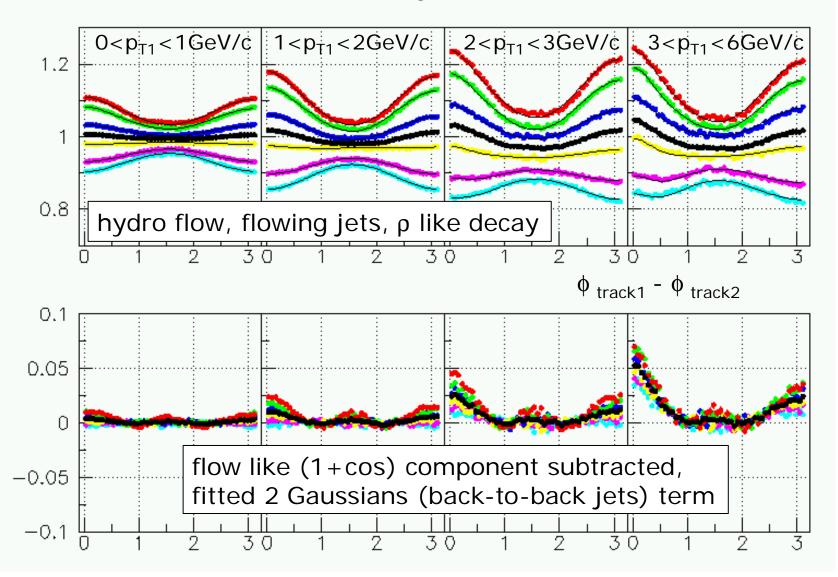
simulation

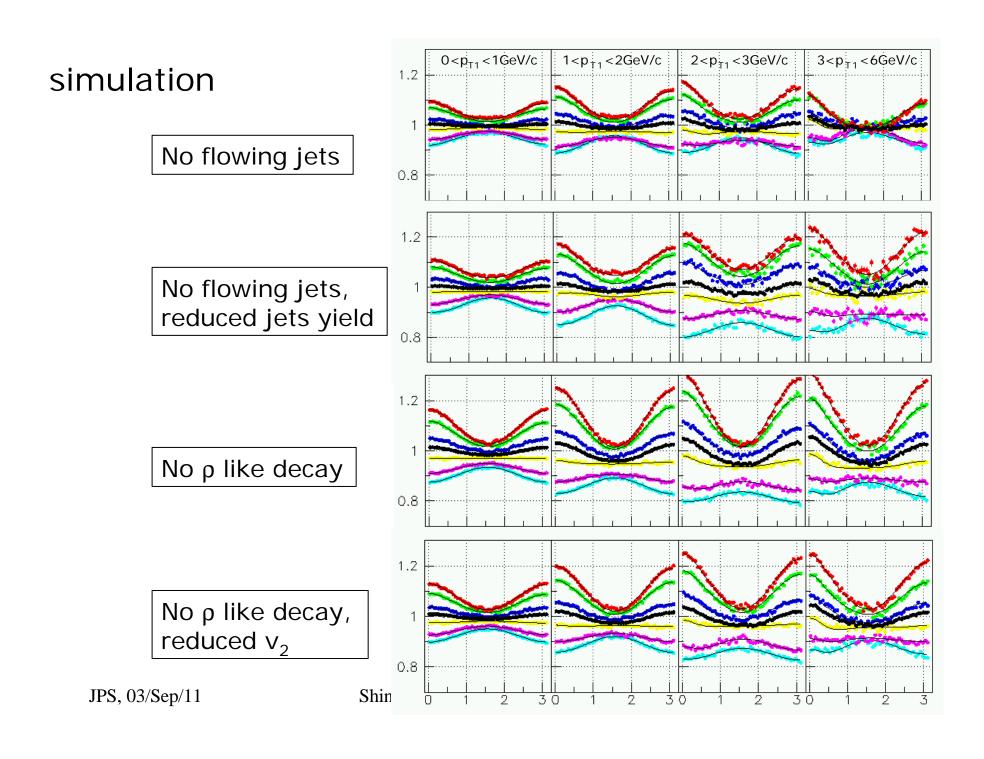






simulation





Summary

- 1) Non-flow effect is not always additive.
- 2) Quenched jets and daughter hadrons would make finite v2 at high pT.
- 3) Is v2 saturation/reduction caused by quenched jets or by quark flow?
- -> quark number scaled v2 of identified hadrons