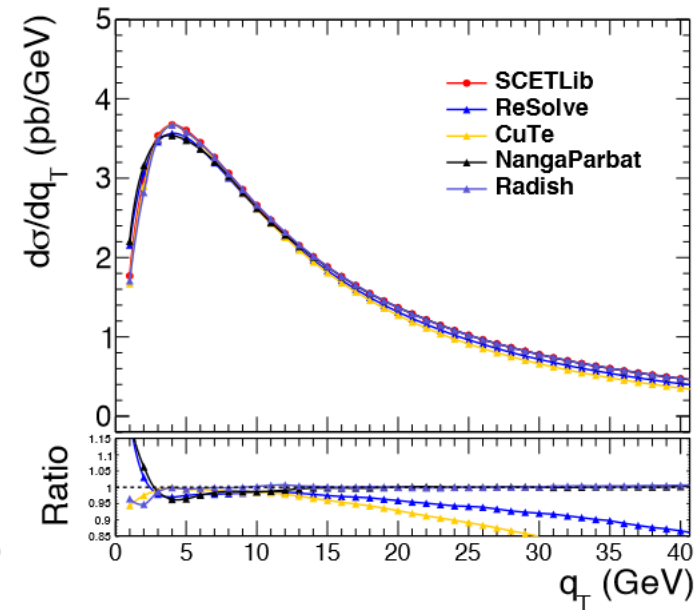
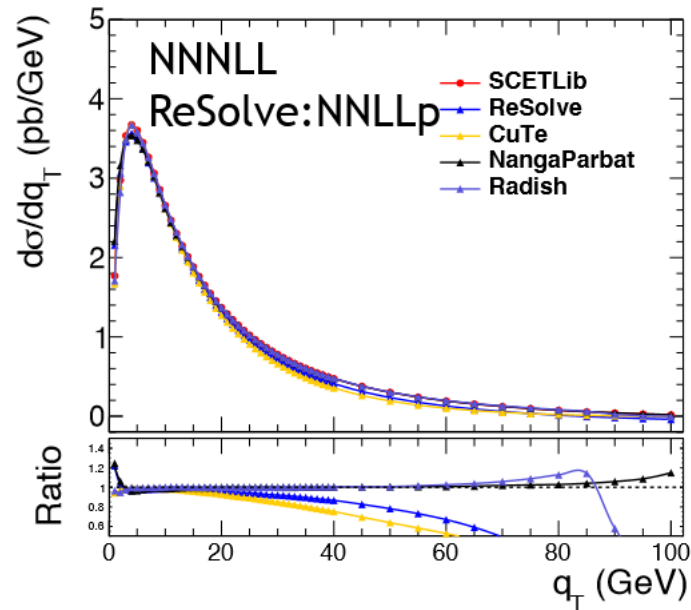
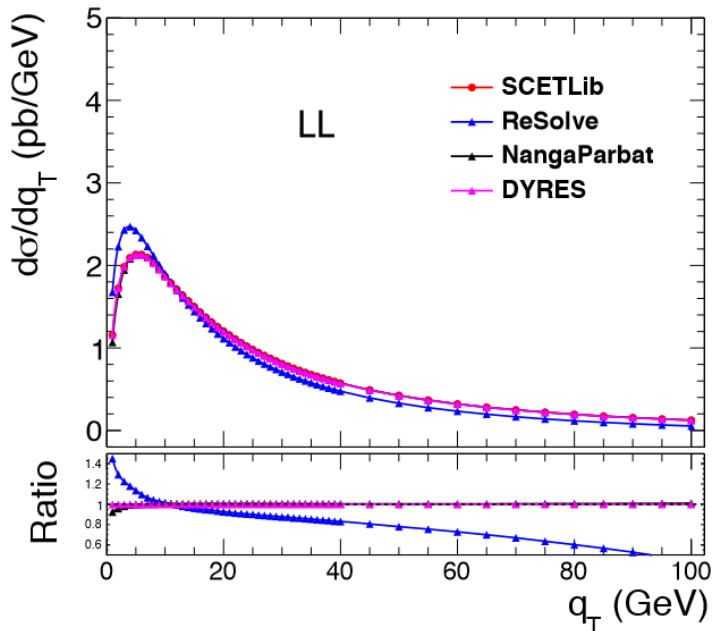


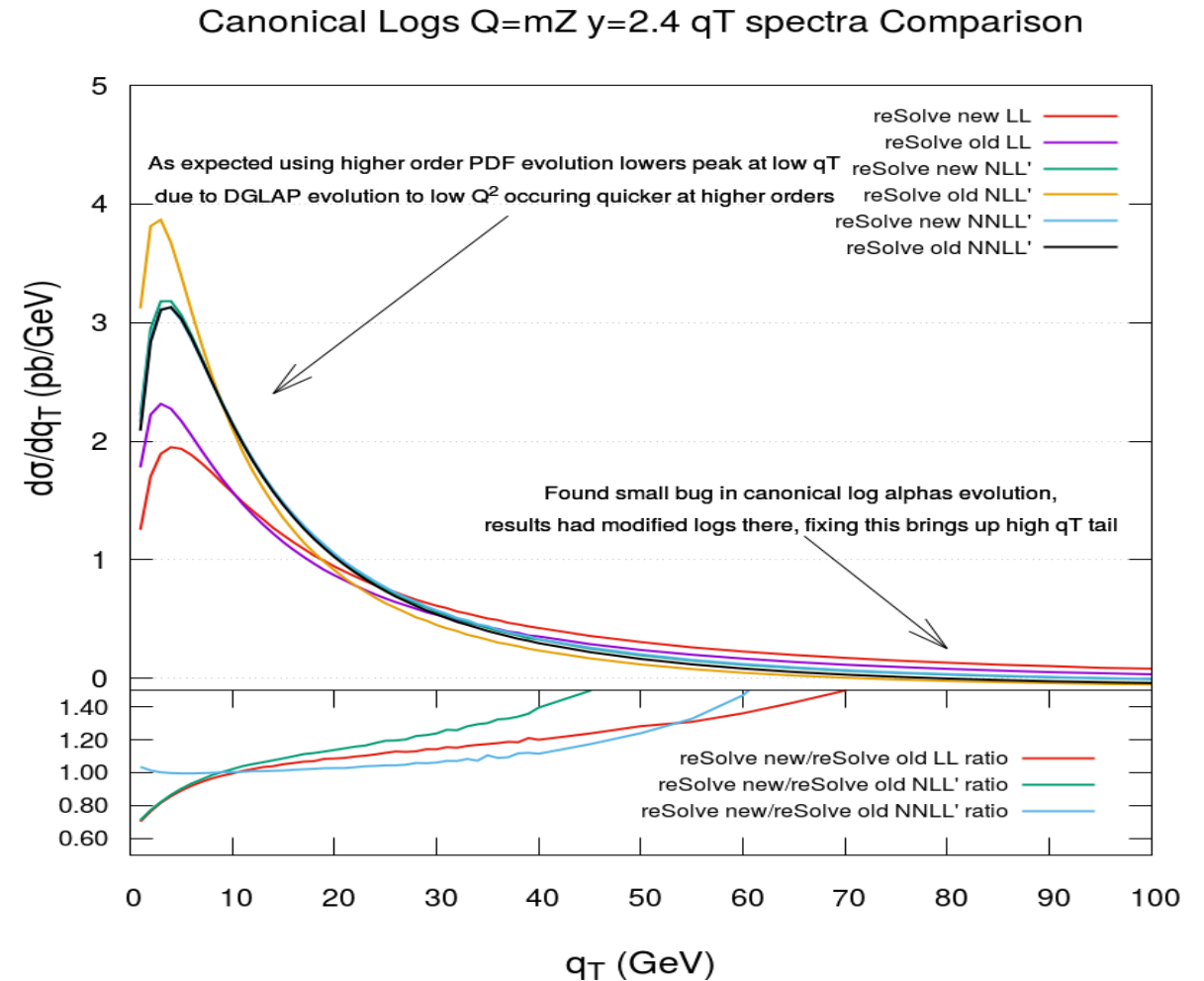
# Some New reSolve results

- Following last meeting some investigation into differences between reSolve and scetlib/dyres.
- Known difference at low  $q_T$  due to PDF evolution, reSolve results higher than others.
- Unknown difference at high  $q_T$ , reSolve results lower than others (although higher than CuTe).
- Reminder Plots by Aram from October Meeting:

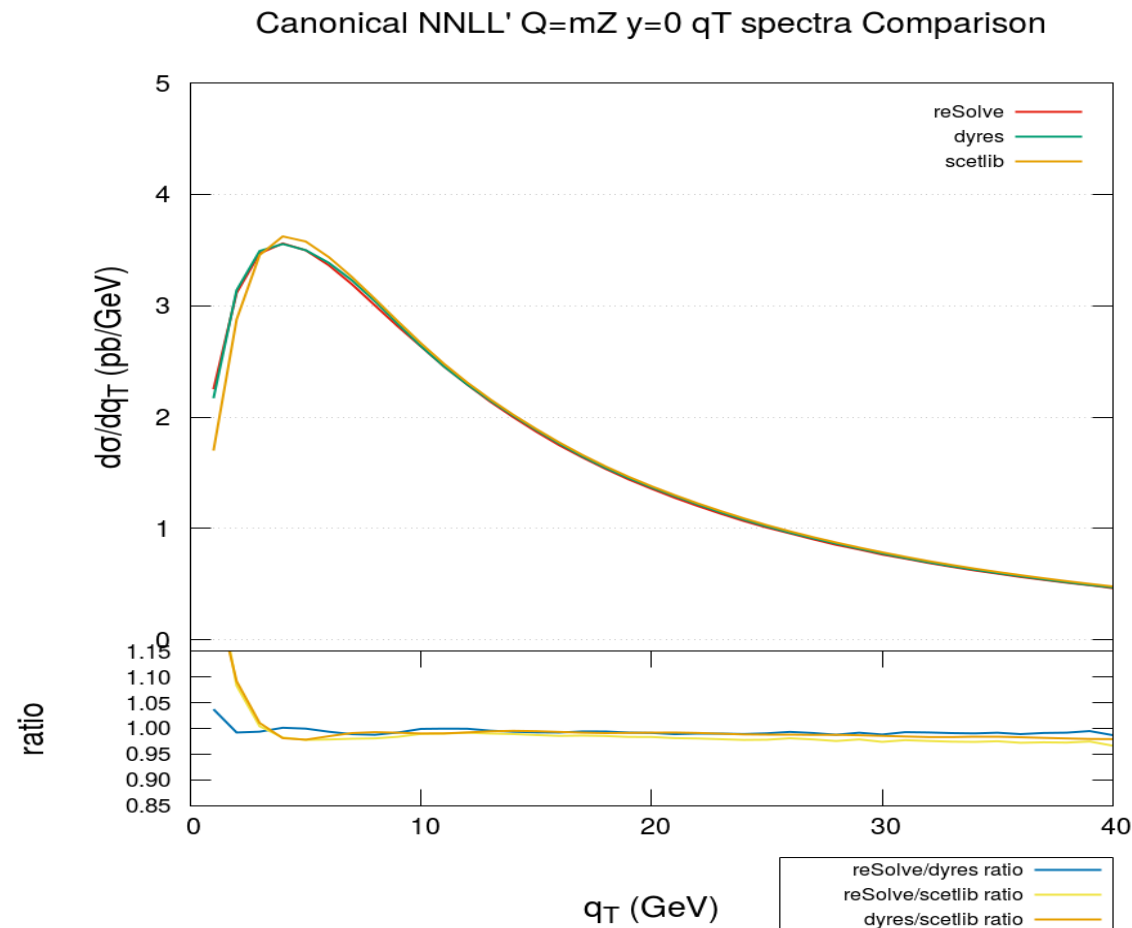
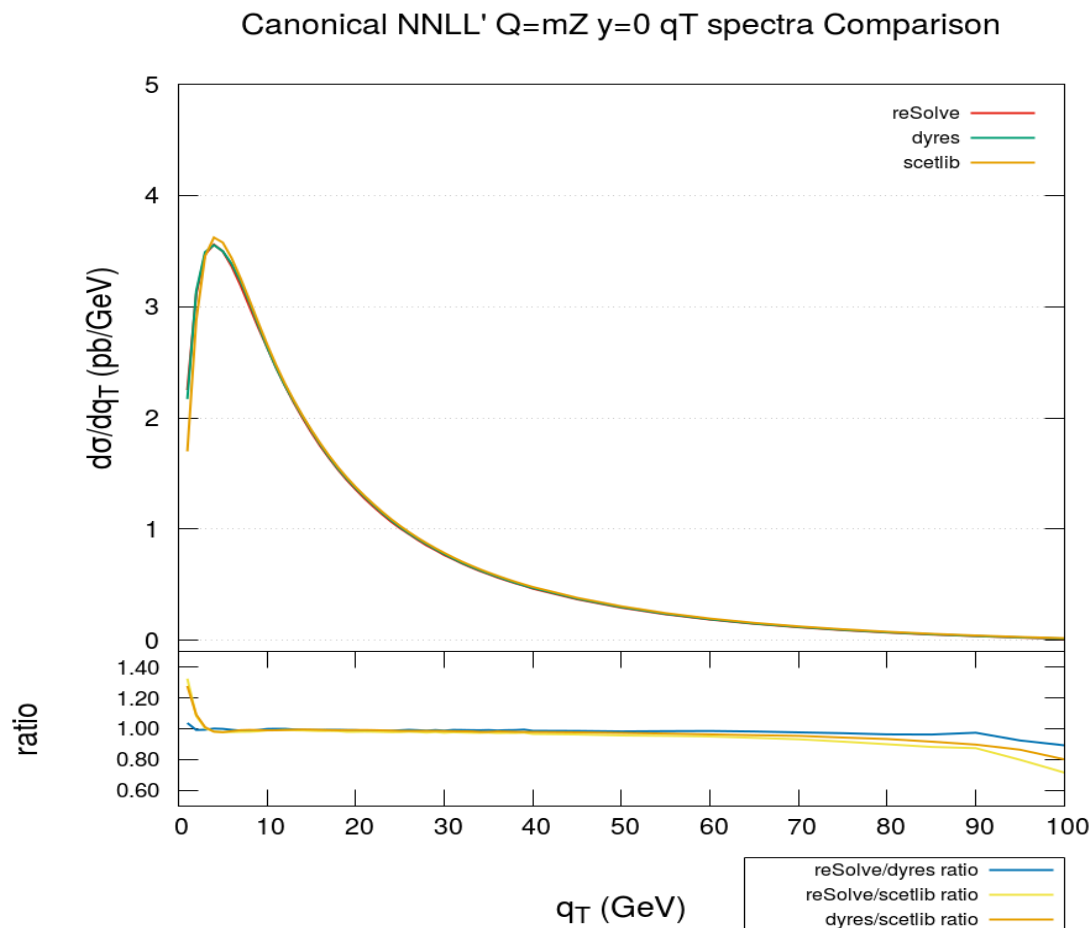


# Some New reSolve results

- Highest order PDF evolution used now for LL and NLL' as well as NNLL' -> **lowers peak at low  $q_T$**
- Had minor bug in implementation of canonical logs alphas evolution (essentially the alphas evolution had modified logs), now fixed -> **raises tail at high  $q_T$**
- New results generated (will be uploaded soon – currently running ones in  $\log q_T$ ), including  $y = 0, 2.4$  and  $y$  integrated canonical and nominal logs.



# Some New reSolve results



Now good agreement at both low  $q_T$  and high  $q_T$  with scetlib and dyres (and presumably others) at NNLL'.