

Misner-Lindquist BHs, vanishing  $h_{ij}^{TT}$ , CTS approach) value, in regard to 3PN corot. Einstein, fits with the difference between 2PN Einstein and 2PN Wilson.

- The Cook (numerical, Misner-Lindquist BHs, vanishing  $h_{ij}^{TT}$ , CTT approach) and Baumgarte (numerical, Brill-Lindquist BHs, puncture method, vanishing  $h_{ij}^{TT}$ , CTT approach) values seem to be too strongly influenced by the 1PN dynamics which is controlled by the Bowen-York extrinsic curvature. In the bodies dynamics, the CTT and CTS approaches are identical through 2PN order inclusively (neither  $\partial_t h_{ij}^{TT}$  nor  $\pi_{TT}^{ij}$  contribute).