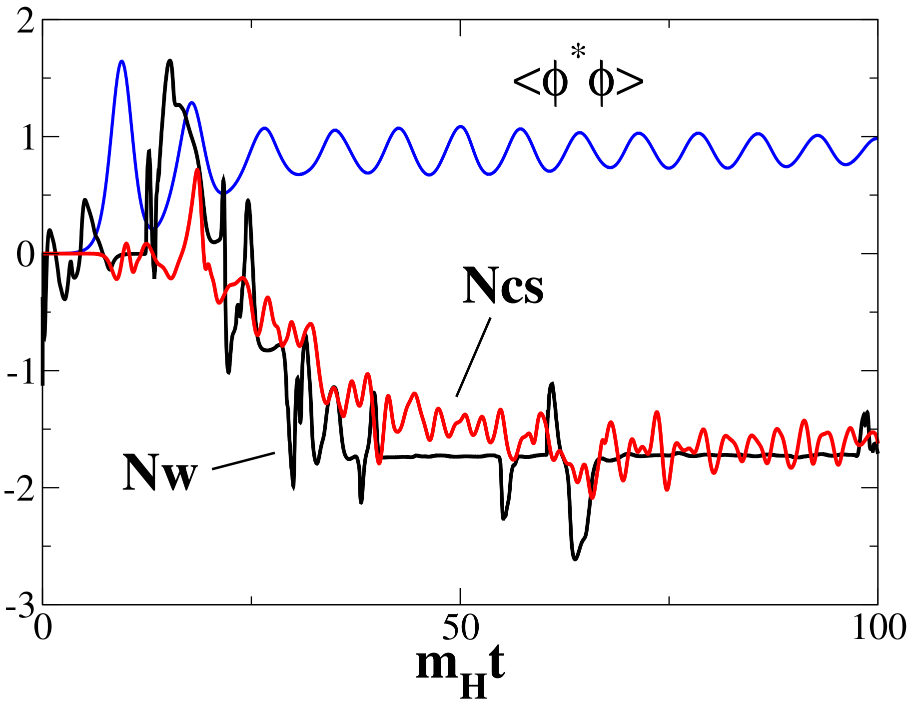


Figure 1: A single trajectory, $m_H/m_W = 1$, Thermal initial conditions, $k = 0$.

- Higgs field rolls off, then performs damped oscillation.
- Winding number is wild, then settles near integer.
- Chern-Simons number is wild, then settles near winding number.

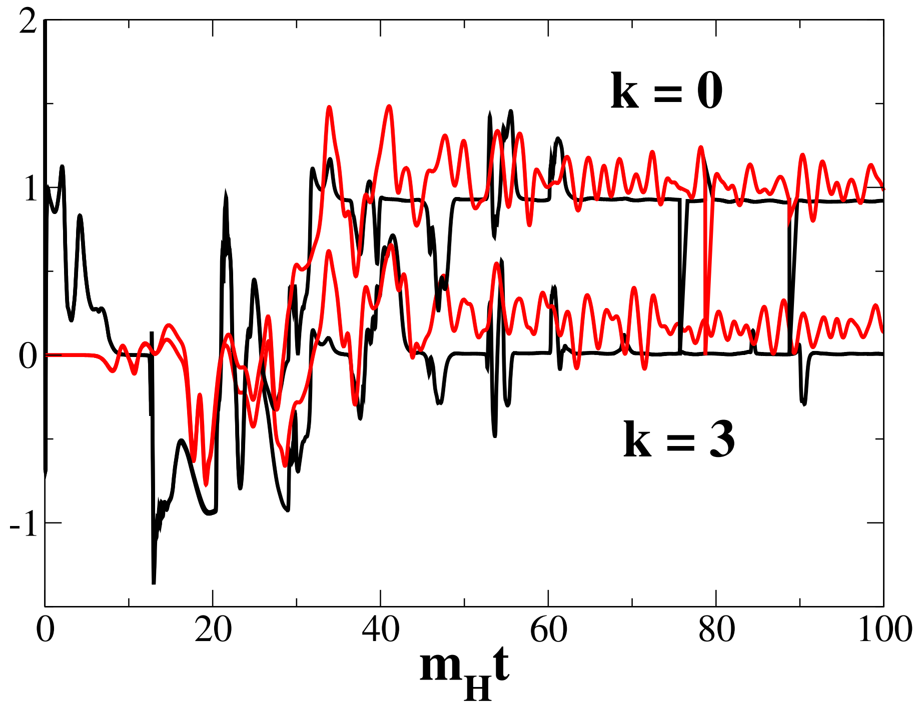


Figure 2: Same initial conditions evolved at $k = 0$ and $k = 3$. $m_H/m_W = 1$, Thermal initial conditions.

- Same initial configuration.
- Jump by an integer, in this case 1.
- Between a third and half of configurations jump (±1, 2).

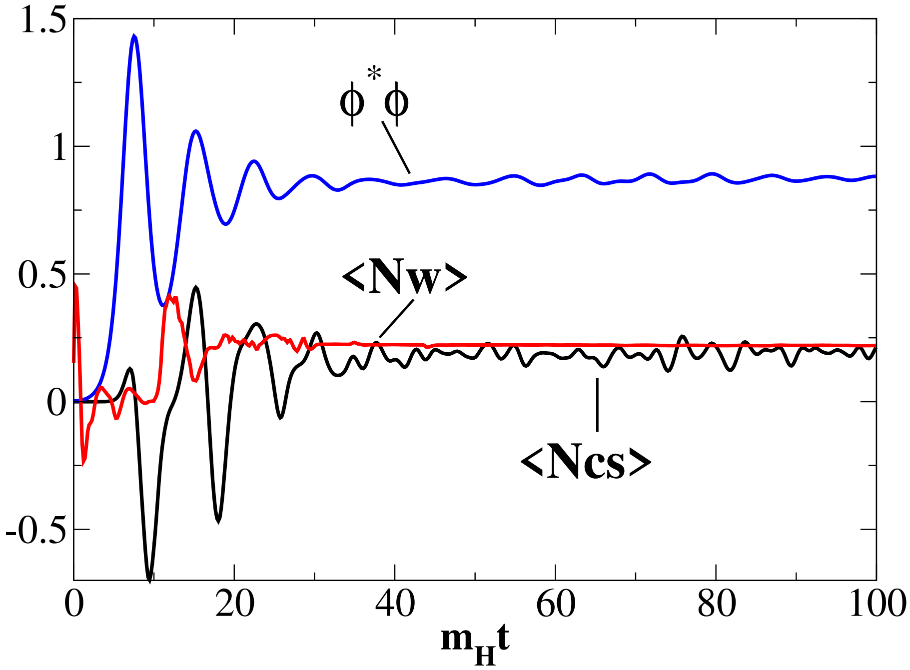


Figure 3: Averaged $N_{\rm CS}$, $\langle\phi\rangle$, $N_{\rm W}$. $k = 8$, $m_H/m_W = \sqrt{2}$, "Just the half" initial conditions.

- Average Higgs damps nicely.
- Oscillations driven by Higgs field (?).
- Initial bump.

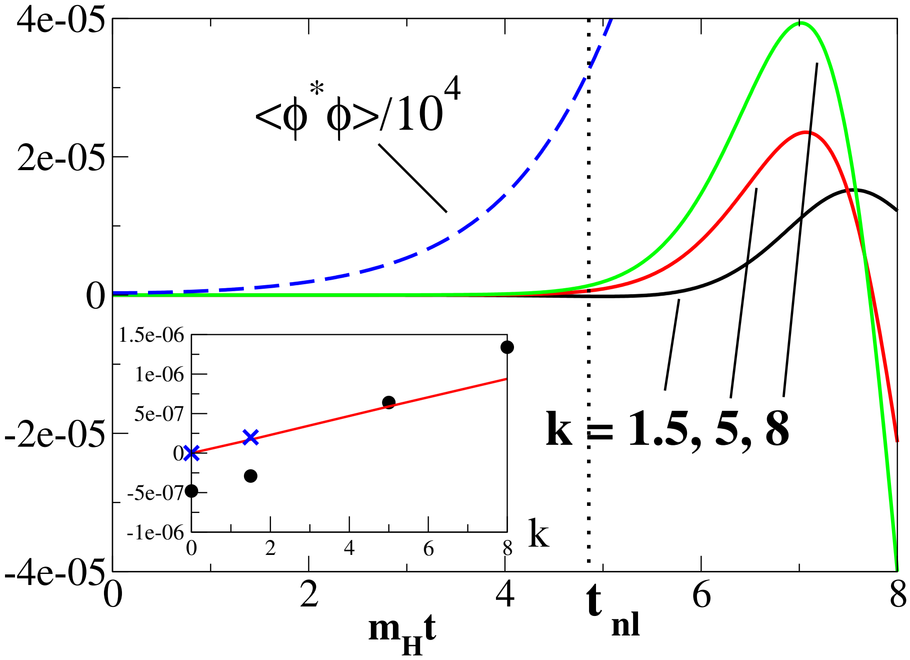
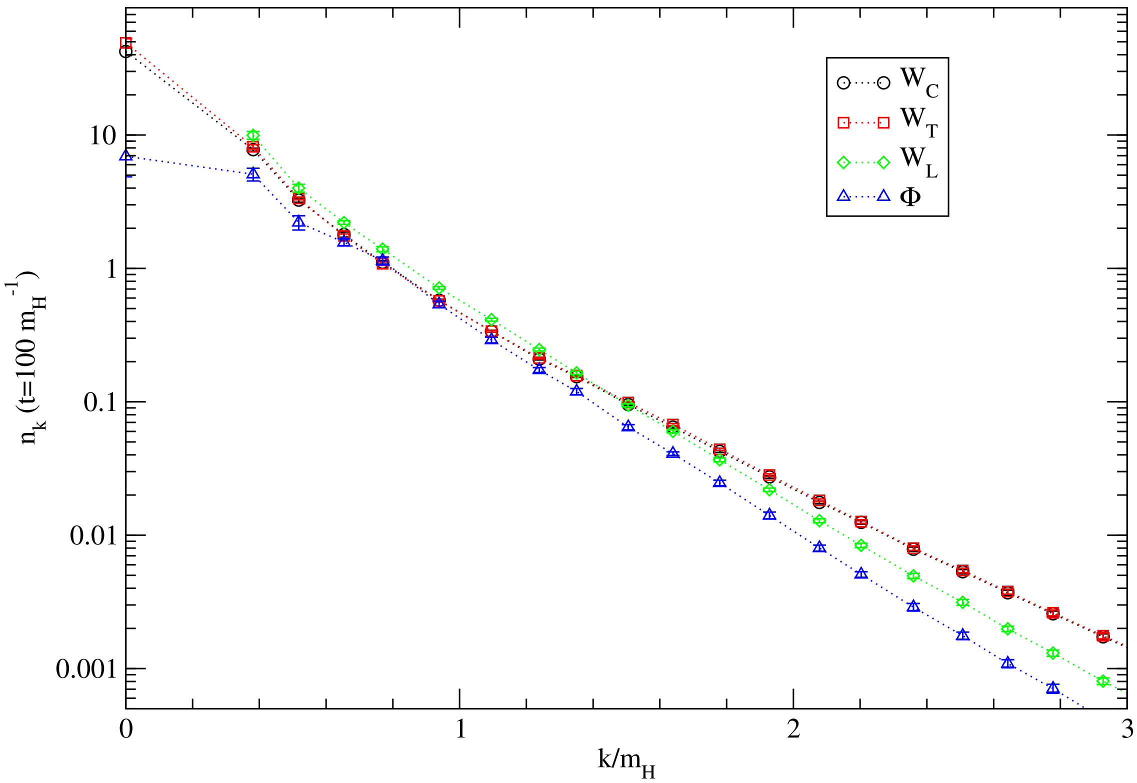


Figure 4: Averaged $N_{\rm CS}/V$, $\langle\phi\rangle$ at early times. $m_H/m_W = \sqrt{2}$, "Just the half" initial conditions.

- Rougly linear k-dependence.
- Inset: $N_{\rm CS}$ at t_{nl} (dots) are consistent with the estimate (line). Correcting for finite statistics so that $N_{\rm CS} = 0$ for $k = 0$ gives the crosses.



- Exponentially growing particle numbers. Gauge and Higgs.
- Coulomb and unitary gauge agree.
- Low momenta: particle numbers larger than one $n_k \simeq 10 - 100$.
- Bose-Einstein fit: μ, T, m^2.

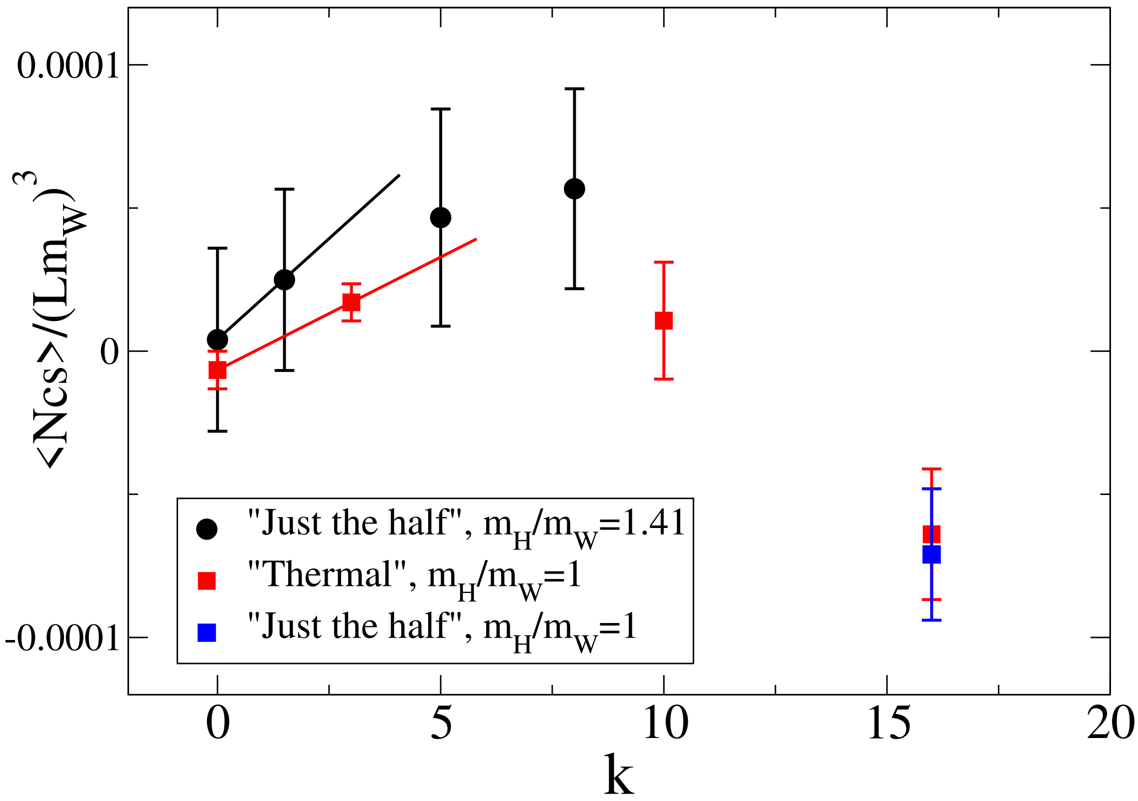


Figure 5: Results for all parameter values.

- Initial conditions scheme not crucial.
- Non-linear behaviour in k. Linear regime?
- Hint of a dependence on mass ratio m_H/m_W.
- Interpolate for lowest k points.
- Same initial configurations $\rightarrow$ difference between $k = 0$ and $k \neq 0$

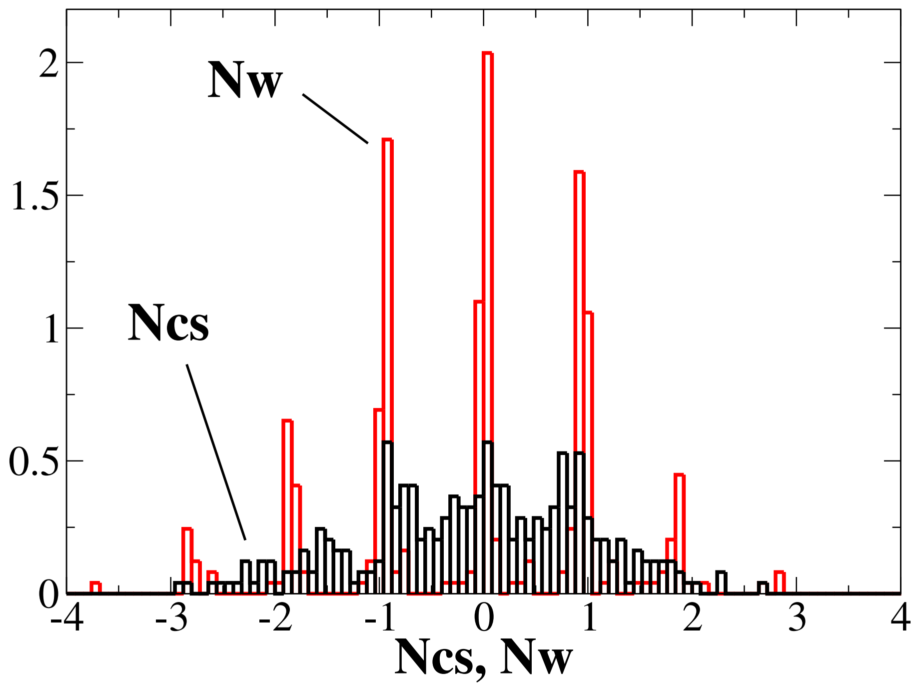


Figure 6: Histogram of final N_{CS} and N_{W}. $k = 0$.

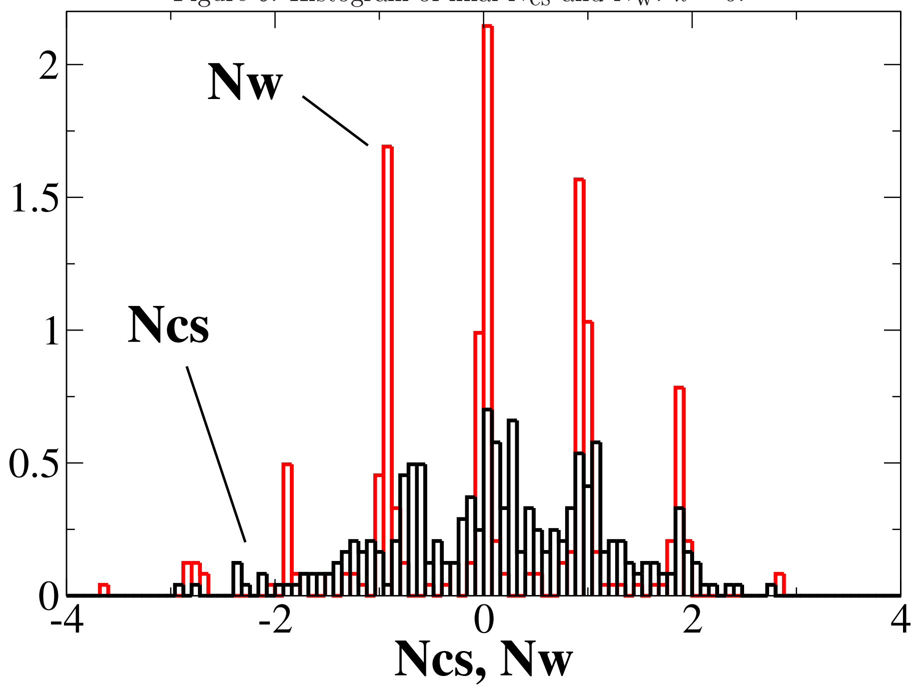


Figure 7: Histogram of final N_{CS} and N_{W}. $k = 3$.