1ST EMISSION (no matter which recoil strategy)

emissions can access
entire phase space

(anyway taken over by POWHEGif doing matching in decays)

After 1st Emission:

A Revoil To Coloured = off

t. Gluon "inherits" W as recoiler.

Keeps ~ full phase space.

(But W probably gets more kicks than it deserves.)

I think this produces an incorrect resummation of the radiation off the gluon. Using the Lund plane (ln k1 vs rapidity) to illustrate: Correct phase space Inlhi)
~ VINCIA (note: masses → o for simplicity) hase space

A btx dipole rear

"whole gtx dipole bg dipole tx = "crossed bop" rapidity axis ~ hole left by top. with org b quark at one end and "hde" left by decaying for at other Wrong phase space ~ recollTo Coloured = on bg dipole W carries half of the original momentum, but is prevented from being used to define size of phase space.