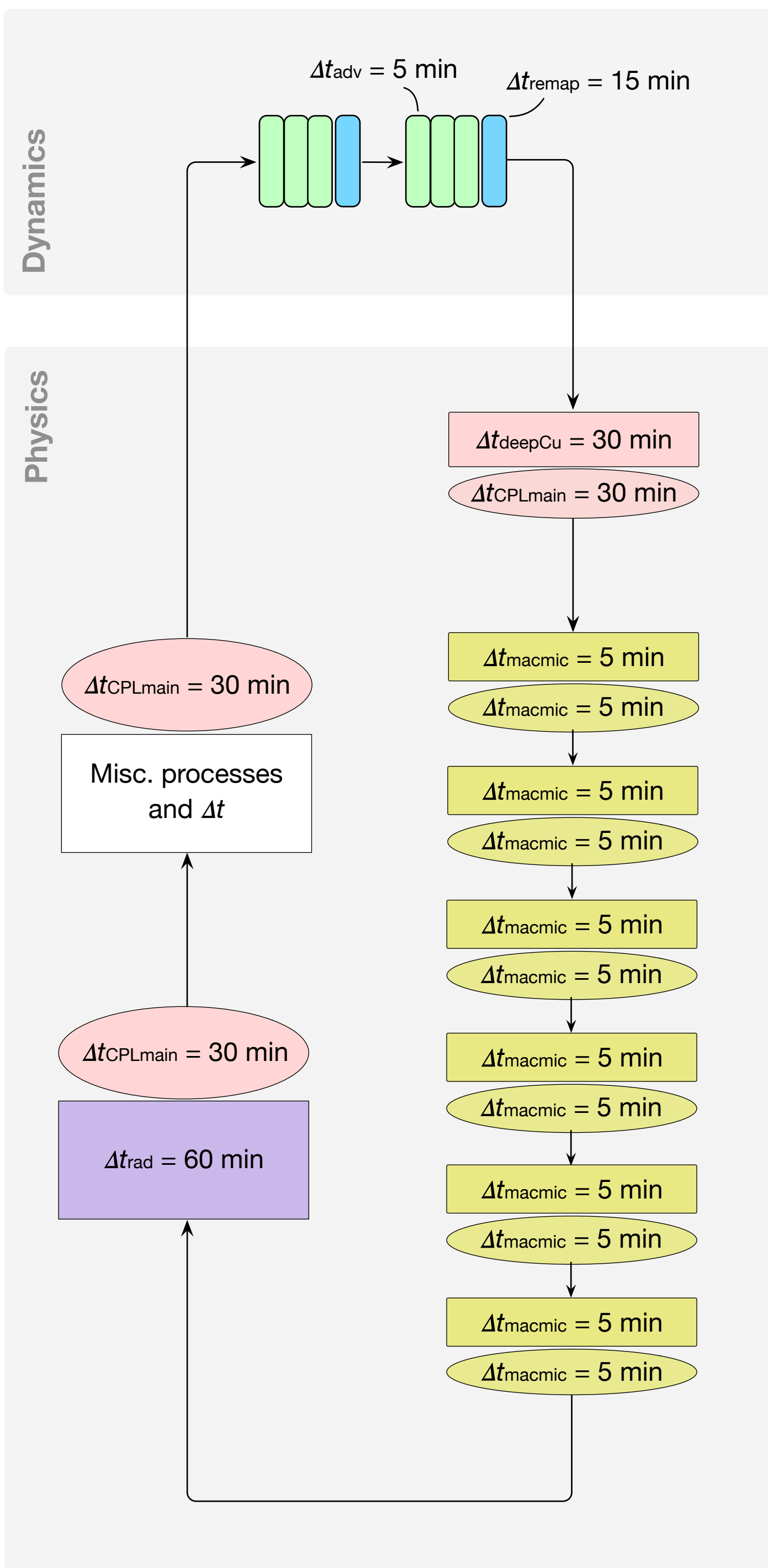
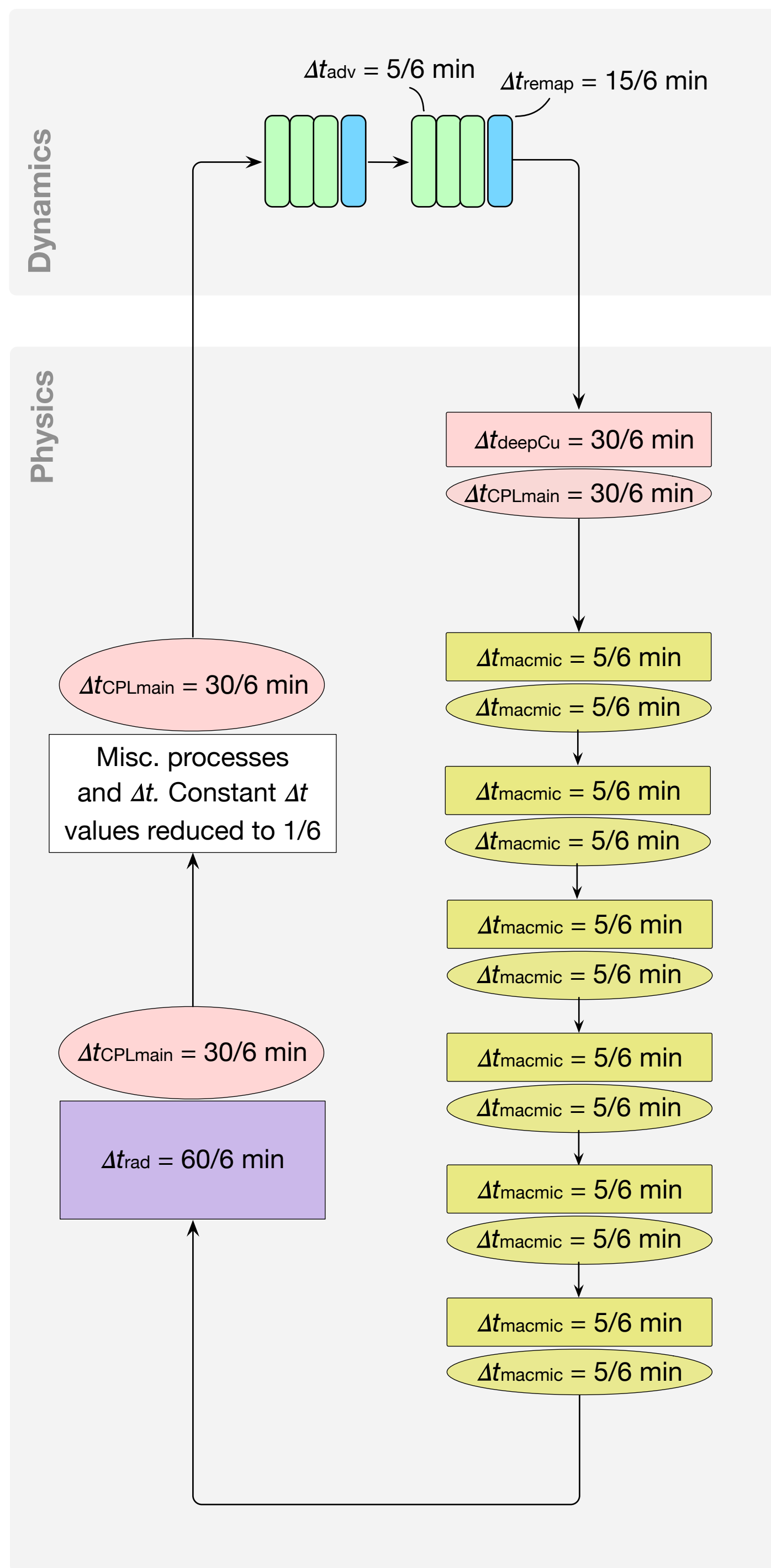


**(a) Default EAMv1 (simulation v1\_CTRL)****(b) Simulation v1\_All\_Shorter****Legend for the physics part:**

$\Delta t = x \text{ min}$  (rectangle) Tendency calculation with step size  $\Delta t$

$\Delta t = x \text{ min}$  (oval) State update with step size  $\Delta t$

**Legend for the dynamics part:**

$\Delta t = x \text{ min}$  (rectangle) Tendency calculation *and* state update with step size  $\Delta t$