

... n replicas

client₁

client₁ⁿ

client₂

client₃

server: i-PI

FORCEFIELD₁

FORCEFIELD₂

FORCEFIELD₃

SYSTEM

INITIALIZE

BEADS, CELL

FORCES

MOTION

ENSEMBLE

OUTPUTS

```
main loop:
for each system:
    system.motion.step()
    smotion.step()
for each output:
    output.write()
```

SMOTION

q, h

V, f, X

q, h

V, f, X

q, h

V, f, X

q, h

V, f, X