Light Quark Action	Integrator	Light Hasenbusch Masses	Δt	r_{MD}	N_{traj}	Acceptance	Efficiency
RHMC	Omelyan	0.007	0.0625	10^{-8}	850	88%	—
EOFA	FG	0.0058, 0.0149, 0.059, 0.177, 0.45	0.1667	10^{-7}	850	93%	**4.2**

Table: Fully tuned RHMC and EOFA schemes. Δt is the outermost time step, r_{MD} is the MD CG tolerance, and **efficiency is the speed-up in the total job time relative to the RHMC scheme**.

RHMC

- Omelyan integrator ($\lambda = 0.22$)
- One light quark Hasenbusch mass
- Multishift CG with single precision $\not{D}$ but accumulating solution and search vectors in double precision, coupled with reliable update to correct residual
- Even-odd preconditioning

EOFA

- Force gradient integrator
- Five light quark Hasenbusch masses
- Mixed precision defect correction CG
- Even-odd preconditioning
- Cayley preconditioning
- Force gradient forecasting
- Heatbath forecasting
- Heatbath CG tolerance tuning

Figure: Comparison of RHMC and EOFA integration schemes.