

Computational Methods (practice) - Lecture 5

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- Fermion actions
- Sources and hadronic correlation functions
- Meson two point functions
- Final words

Fermion actions

Sources and hadronic correlation functions

Meson two point functions

Meson three point functions

Ward identities

Final words

- Aims
 - convince you that LQCD software can be elegant, portable and fast
 - convince you that algorithms can be easy to implement
 - convince you that code can be elegant, portable and fast
 - convince you to get your hands dirty!
 - draw connections between a sample of the core algorithms & methods of LQCD
 - keep the exposition simple while still covering the depth
- Please provide feedback: what worked and what didn't
- I hope you enjoyed the course