

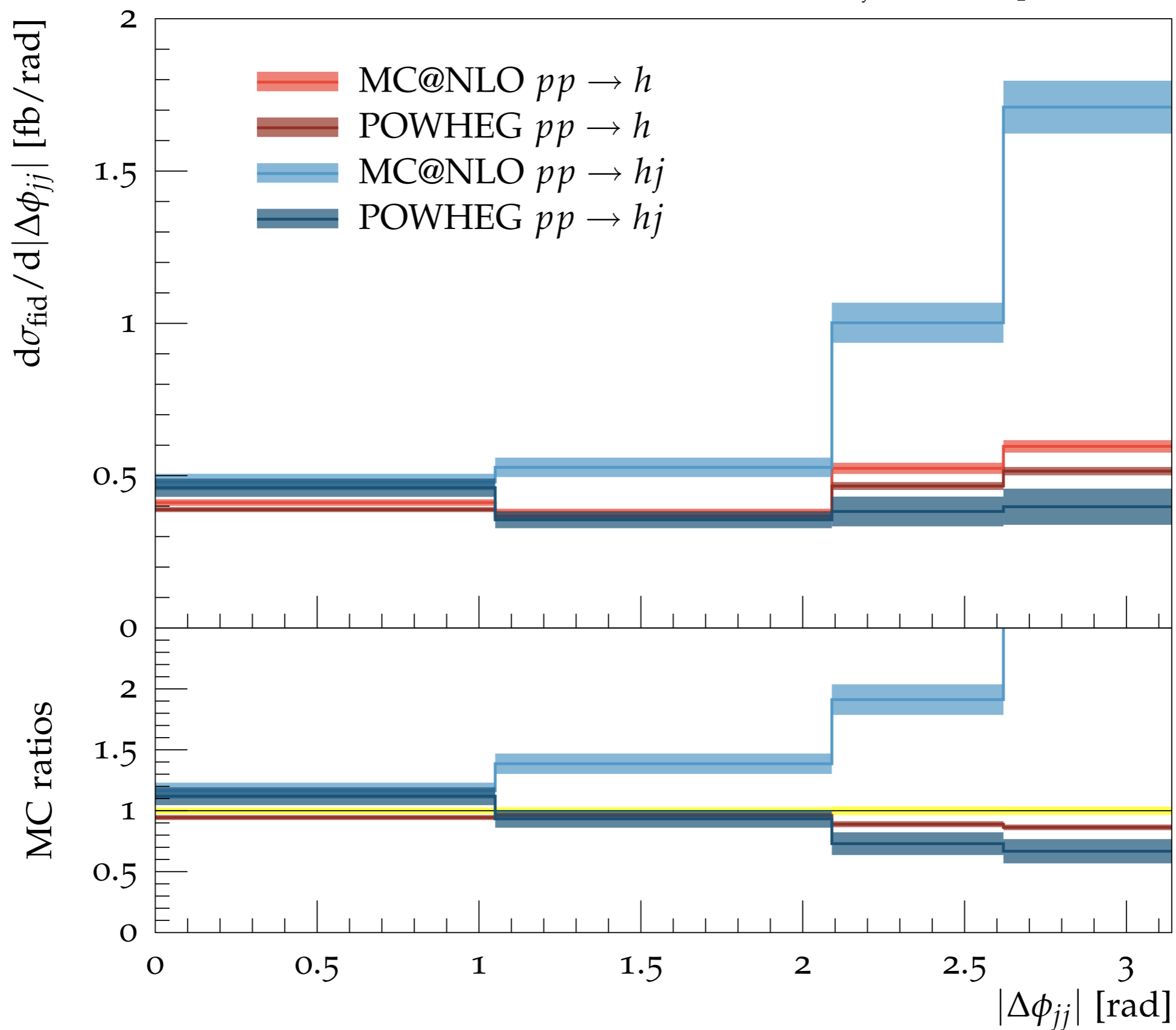
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Master's Project

- Checked for agreement between events generated using MC@NLO and POWHEG within HERWIG7
- Focused on simulating Higgs production at the LHC.
- Of particular interest are events generated with two jets in the final state.
- These events allow for experimental distinction between Higgs production mechanisms.

Azimuthal angle between the leading jets, $N_{jets} \geq 2$, $p_T^{jet} > 30$ GeV



Initial outlook for PhD

- Resolve issues uncovered during my MPhys with Michael Seymour.
- Work with Mrinal Dasgupta whose focus is on QCD (e.g. resummation and jet substructure analysis).