

# Classical observables in general relativity from heavy-mass effective theory

*Saturday 20 July 2024 11:00 (15 minutes)*

We will report on recent progress on obtaining classical observables in general relativity from the heavy-mass effective theory. As a concrete example we will discuss the NNLO corrections to the radiation produced by the scattering of two heavy scalars modelling Schwarzschild blackholes. I will also describe how to extract waveforms from this result using the observable based KMOC approach.

## Alternate track

### I read the instructions above

Yes

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**Session Classification:** Formal Theory

**Track Classification:** 10. Formal Theory