

NOTES FOR TTBAR PRODUCTION

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- Contrast between the 't Hooft Veltman and Kreimer γ_5 schemes, i.e. the preservation of the cyclicity of the trace in the former and that of the anticommutation relations in the latter.
- General flow of the project: Compute the helicity amplitude, from this we can compute the helicity density matrix which will allow us to study the effects on different observables, lastly we use a Monte Carlo event generator to study these observables.
- Once we have satisfactory definitions for the tensor structures, we can begin writing down the projection operators, from which we can project out the coefficients on these structures which appear in the amplitude.