pi —> pi transitions for both long and short range mechanisms are complete;

- to do: nn-pp for both
- Formalism for nn—>pp in place
 - how can we best deal with zero mode of neutrino?

 Variational methods are expensive, NN calcs are expensive, ME's are expensive, 4-pt functions are expensive....what is the best way to optimize the calculation?

- Can we match finite volume results directly to intermediary stage?
- What precision do we need?
 - At what pion mass do we believe we can control systematic effects?
 - Need to explore NN near the physical point to determine this
 - Need to explore discretization effects in NN calcs
 - Need to finalize operator optimization

 It is essentially clear what needs to be calculated and how to calculate it, but we need to do NN near the physical point to reliably estimate resources necessary to do NN ME's

- computer time
- Can we get more information from the QED sector?
 - Pion scattering
 - Can we trust the EFT (convergence)?
- Do we have to tease out LECs, or can we just provide nn->pp transition amplitude?
 - Test convergence of EFT
- Are higher-body effects necessary? Derivative operators?
 - Not now, but what would be most helpful in the future (N—>N pi vs nn—>pp in different partial waves