Physics 8164: Topics of recent term papers / presentations selected by students

- "Collective Energy Surface Via Constrained Mean Field Method", presentation
- "Computational Implementation of The Nuclear Hartree-Fock Problem", presentation
- "HFB and its 2D axially symmetric representation", presentation
- "Multiconfiguration Hartree-Fock Theory of Atoms", presentation
- "Nobel lecture/article by Ginzburg on superconductivity/superfluidity", presentation
- "Zero-temperature Green's functions and Feynman diagrams in momentum space", presentation
- "Finite Temperature Many Body Physics Green's Functions", presentation
- "Application of Green's Function Methods to Calculation of Neutral Excitations in Condensed Phase and its Relationship to Time-Dependent Density Functional Theory", paper
- "TDHF and Linear Response Theory: Random Phase Approximation (RPA)", presentation
- "Nuclear mean-field theory: models and applications", presentation