Whitman College Immersion Schedule

Day-1, Morning
- Initial alignment
- Properties of spontaneous parametric downconversion

Day-1, Afternoon
- "Proving" that light consists of photons: the Grangier experiment

Day-2, Morning
- Alignment of the polarization interferometer

Day-2, Afternoon
- Single-photon interference
- The quantum eraser

Day-3, Morning
- Alignment of two-crystal source
- Properties of polarization-entangled photons

Day-3, Afternoon
- Tests of local realism (Bell-CHSH, Hardy)

During each session there will be time devoted to discussing the theory underpinning the experiments, as well as suggestions for integrating the experiments with a quantum mechanics course. For more information on the experiments, please visit http://www.whitman.edu/~beckmk/QM/ .