Overview of "Exotic Hadrons" Chapter

- Overall goal: Discuss prospects for studying exotic hadrons with proton beams of $p_{\rm max}=30$ GeV/c, $\sqrt{s}<7.6$ GeV
- Plan to review recent progress in the field
 - Emphasis on states/reactions well suited for study at this facility
 - Many candidate exotic states have only been observed by one experiment - identification and study in complementary reaction mechanisms is crucial!
 - Assume most discussion of techniques + details of reactions will happen earlier in the text
- Workshop plans
 - Review planned contributions
 - Talk by Randy Lewis: "Tetraquarks on the lattice from T_{bb} to T_{cc}"
 - Discussion of "golden channels" to focus on

Outline of "Exotic Hadrons" Chapter

- 1. Input and knowledge from previous and running experiments (both for light and heavy exotics):
 - Photoproduction Experiments (B. McKinnon/S. Dobbs)
 - e+e- Experiments (N. Huesken)
 - Hadron Beam experiments (B. Grube)
 - LHC Experiments (L. An)
- 2. Light quark exotics
 - Lattice direct calculation C. Morningstar
 - Dibaryons Bashkanov
 - Phenomenology E. Swanson, C. Fischer, F. Giacosa
- 3. Heavy exotics
 - Lattice direct calculation C. Morningstar
 - BOEFT N. Brambilla
 - Lattice BO static energies C. Morningstar
 - Molecules C. Hanahrt, F.K. Guo, T. Mehen
 - Production N. Brambilla, T. Mehen
- 4. Expectations at SiS100: (S. Dobbs + more)
 - Example heavy quark exotic: Pc+ in J/psi p and D(*) Lambdac+
 - Example light quark exotic: phi(2170) in phi pi+pi-