

N*2002 focus session

new (**missing?**) resonances

- Bijan Saghai- new S_{11} , P_{13} using chiral quark model fits to $\gamma p \rightarrow \eta p$
- Marco Ripani/Viktor Mokeev- *possible* new P_{13} state in new $\gamma_{\nu} p \rightarrow \pi^+ \pi^- p$ data from CLAS
- Cornelius Bennhold reassessed old discovery of D13(1960) in SAPHIR $\gamma p \rightarrow K \Lambda$ total xs data, promotes multichannel fits over single channel
- Mark Manley pushes multichannel fits, speed plots as most objective.

present

- Significant amounts of data coming from Jlab, Bonn, Mainz, GRAAL, LEGS, BNL, BES, WASA,
(the flood has started!)
- Only quick, feasible way to analyze these data is via single-channel analysis. FINE, but be careful!
- Techniques exist to do PWA for 2-body reactions, look for notable effects in pion, kaon, eta, and omega production.

future

- Data must be in public domain! (SAID or otherwise) First analyses will seldom be the definitive result. (We have excellent history of this.)
- Two-pion production is the key to understanding of states at $W > 1.7$ GeV. PWA techniques are not well-understood, but high quality people are at work.
- Continued study of constraints from theory is critical! (large N_c , lattice QCD, field theory...)