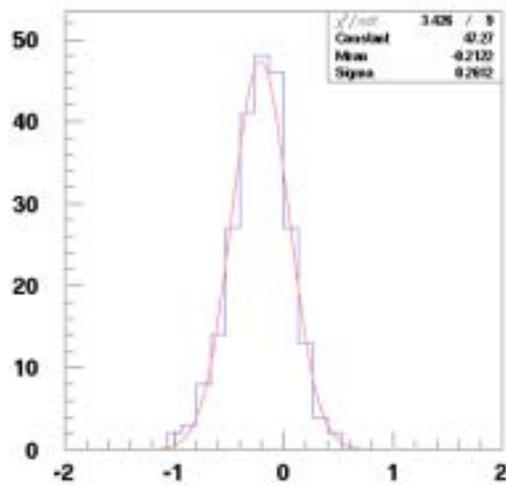
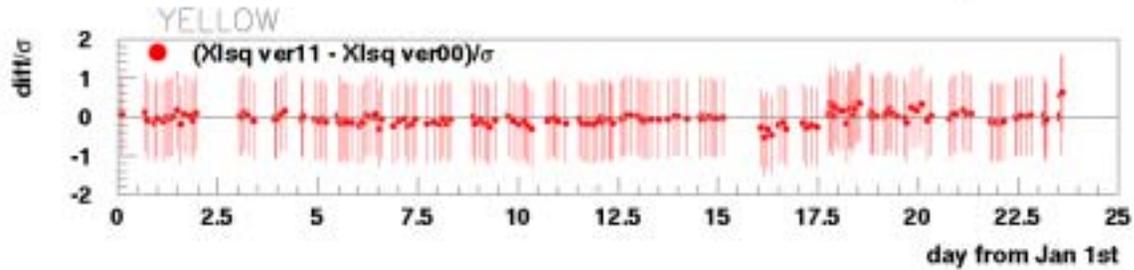
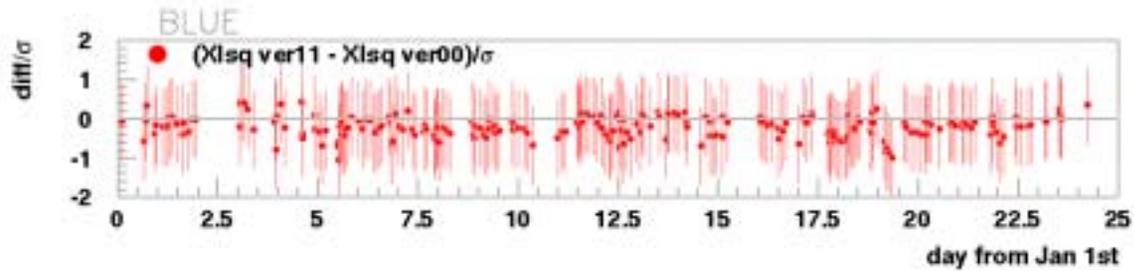


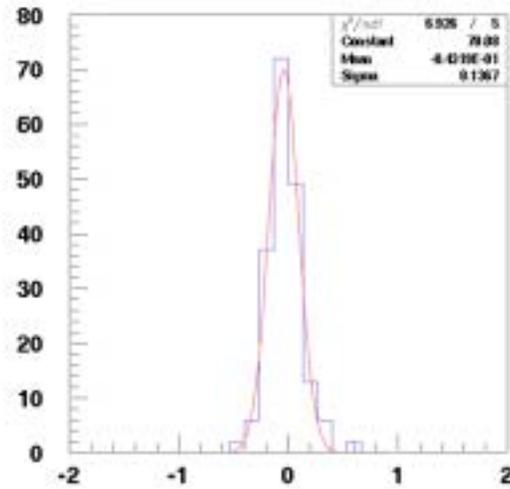
# To do list for CNI RHIC polarimeter analysis (4/22/02)

- Distributions of asymmetry values (version control) → Osamu and Jeff
  - Energy correction for dead layer on Si surface (**done**)
  - Energy scale correction after recalibration (**incomplete**)
  - Bunch by bunch polarization analysis (**not yet**)
- Systematic study of the result → Osamu and ??
  - Understanding of the false asymmetries
    - Discrepancy X90  $\leftrightarrow$  X45 (**mostly understood**)
    - Y components in Yellow ring (1/18/02 ~) (**not yet understood**)
      - → energy scale, dead layer correction
      - → wall current monitor
  - Stability of the polarization during the store (**mostly understood**)
  - Stability study using 10 successive runs (blue&yellow) (**not yet**)
    - Bunch by bunch polarizations with 10 times larger statistics (can we assume  $P_+ = P_-$ ?)
  - Systematic error originate from false spin bit pattern (**not yet**)
    - Put all possible spin bit patterns to assess the systematic error
- Polarimeter dedicate run data study → Sandro?, Jeff?
  - - t dependent asymmetry with x8 good energy resolution
  - Cross section slope study
  - Detailed study on the WFD signal shape

# Comparison Xlsq between ver1.2 vs ver0.0



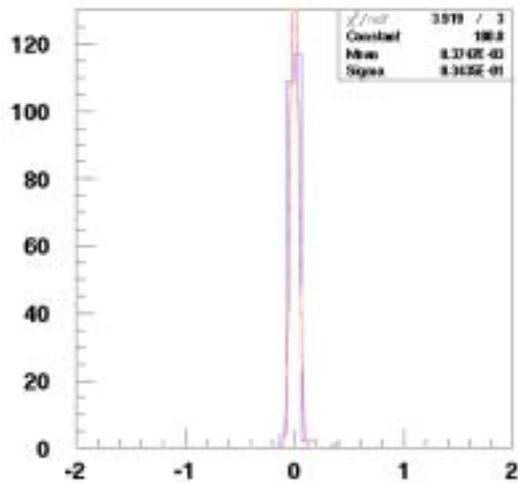
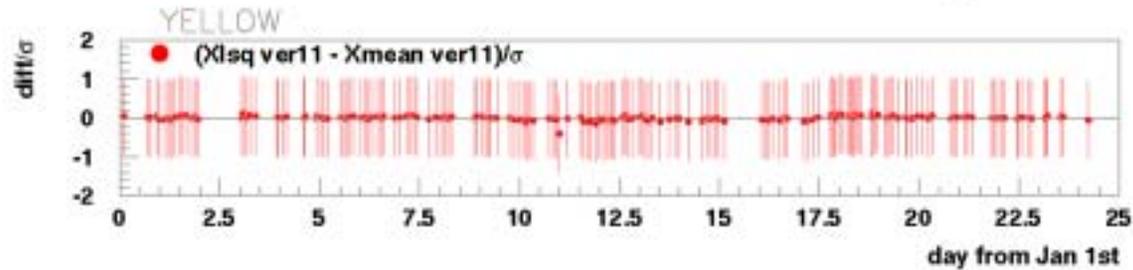
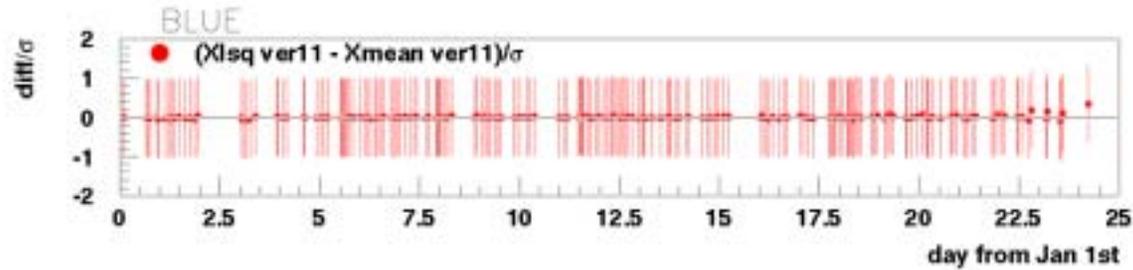
BLUE



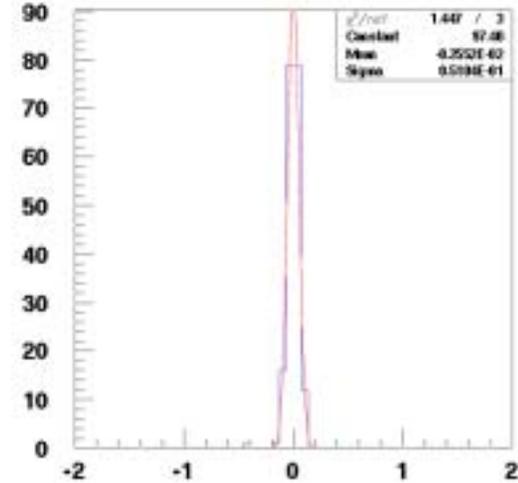
YELLOW

# Comparison between Xlsq vs Xmean(x90,x45)

Ver1.2



BLUE



YELLOW