Comments on Haiyun's v2 NSTAR slides – Aug 16'17

• needs a motivation slide. See the attached Motivation.pptx slide as a suggestion.

• It was felt that the algebra in pages 4 and 5 was too complicated for this length of talk. I have the following suggestion. The four configurations of beam and target polarizations are shown in the attached Exp_Configs.pptx slide. They are labeled (1) through (4). You could just use the pictures; then drop the last two bullets on page 4 and rewrite the equations on page 6 in terms of the pictures.
eg. (5): (1)+(2)+(3)+(4) => dsig(0), etc, using "=>" in place of "=" since details are dropped. I think the audience will appreciate what you have done, and understand that there are a lot of suppressed details.

• p 10: the label specifies this plot as the beam asymmetry for the cosA=+0.5 angle bin for the 1800 MeV edge data. The maximum W for Eg(edge) of 1800 is W = 2065, so this should reflect the sum of the first three energy bins shown in slides 13 and 14. I suppose the angle bin is actually centered at cosA = +0.45, and the asymmetry values in these three plots are between -0.3 and -0.2 . That being the case, why are all the asymmetry values in the page 10 plot around -0.1 ???

I suggest you create a new plot in the following way: form the average of the asymmetry values in angle bins centered at cosA = +0.90, +0.75, −0.15, −0.30, −0.45, −0.60, −0.75 . In slides 13 and 14, these are always positive. Average all energies, and plot this as a function of |Pmiss|. It is important to extend this plot out to |Pmiss| of 0.4 GeV/c. You can use |Pmiss| bins that are ±0.02 wide for momenta below 0.2 and ±0.04 wide for the higher momentum values.

• page 13 – 16: label the curves as:
" shaded band: SAID[TS21], fit to new g14 E asymmetry and new g13 dsg "