

General

- We have adjusted the rate to reflect a 80 kHz production instead of 140kHz.
- Statistical uncertainty has been added into the abstract, however we cannot precisely know the systematics yet.

Aspects that need to be dealt with

- Page 4: The double Dalitz decay does not contain more information than the single Dalitz decay. The measurement proposed for CLAS12 should be on the same weight as the proposed BESIII measurement, but the CLAS12 results is expected to be 1% better in precision.
- Section 3: Added a footnote for the abbreviations. The text had already stated that a coincidence requirement.
- Page 17: Noted the change in wording
- Page 24: Reference [45] is a CLAS Masters Thesis, which is a valid reference. I have updated the bibliography to reflect. I will contact the appropriate CLAS member to get this thesis into the CLAS database.
- Section 4: Changed title to "Proposed Measurement" as requested.
- Page 25: The integrated photo-production cross section can be seen in Fig. 25 lower panel. Is the suggestion to place this figure elsewhere?
- Section 4: Rewrote sentence as prescribed.
- Trigger Requirements: Added text to reflect that the trigger particle to be e^+ or e^- from Dalitz.
- **!!** We are unclear of your ratio 0.05/130. Figure 25 shows an average cross-section for photo-production to be $\sim 0.5\mu b$. We believe that the confusion might be with the mis-labeling of Figure 25, where both figures are in W but one figure is mis-labeled in beam energy. We have fixed this discrepancy.
- Figure 25: Fixed x-axis labeling.
- Page 28: This method was only to approximate the production angles of η' . We assume that the low Q^2 production be that of real photo-production and scale accordingly. This will only underestimate the actual production scenario.
- We use G11 results from Mike Williams. We do not limit our calculation to 3.8GeV, we only present the available data that is to 3.8 GeV. Above 3.8 GeV we assume a s^7 scaling on the cross-section, but this only raises the total count rate by 5% and thought it best to just present on the data available. The references for electro-production justify the s^7 scaling behavior.

- Untagged Bremsstrahlung: Added a comment "It should be noted that there will be η' mesons produced from untagged Bremsstrahlung production which should be of the order ≈ 10 kHz. This would increase the total Dalitz yield by ≈ 3000 events. "
- Forward Tagger: Noted in section "Detection of e^+e^- T Events" that the Forward Tagger geometric acceptance was used in the FASTMC.

Aspects that would improve the proposal

- Abstract: Revised as prescribed
- Section 2: Renamed to "Kinematics of Decays" Kept the "Background from..." in this section because it describes the kinematics of pair-production.
- Page 12: added uncertainty to abstract
- Section 3: Left section as is.
- CC and EC comparison: Changed to more descriptive title
- Plots 12-15: Left as is.
- Section 4: Left section as is
- Page 25: revised as prescribed
- Upper limit sentence: Removed as prescribed
- Production of η' ...: Revised as prescribed.
- Page 31: revised as prescribed.
- Figure 29: Remade in ROOT
- Systematic uncertainties: We do not include low $M(ee)$ in the fit as we are not proposing to study the anomalous sector of meson. The relevant range is $M(ee) > M_{\pi^0}$. We have added a estimate of the systematic due to di-lepton acceptance by increasing the acceptance 5% as a function of $M(ee)$