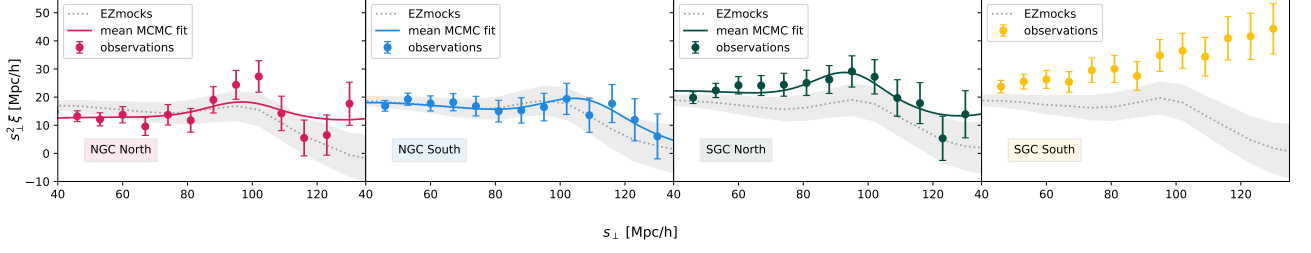
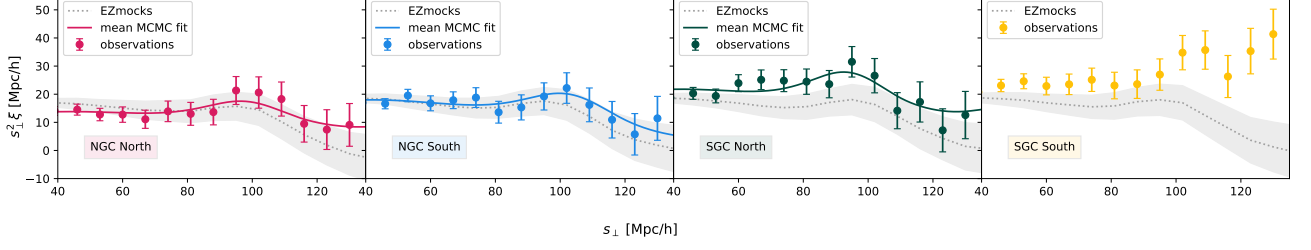
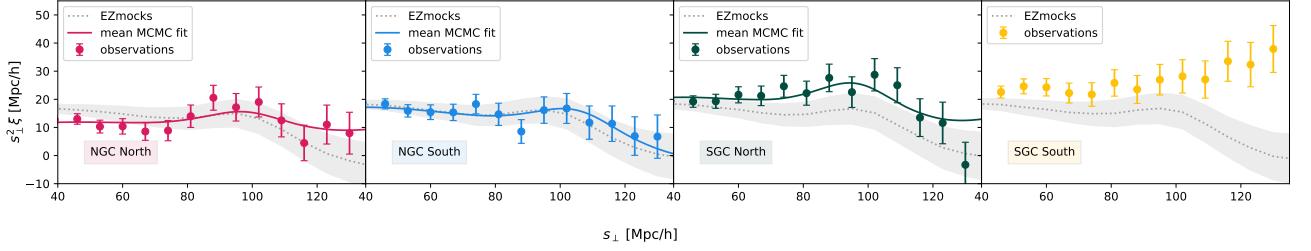


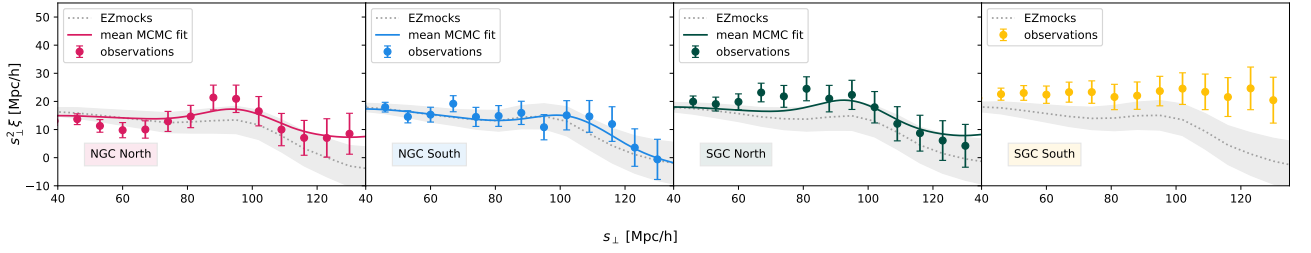
Appendix A: Additional Figures

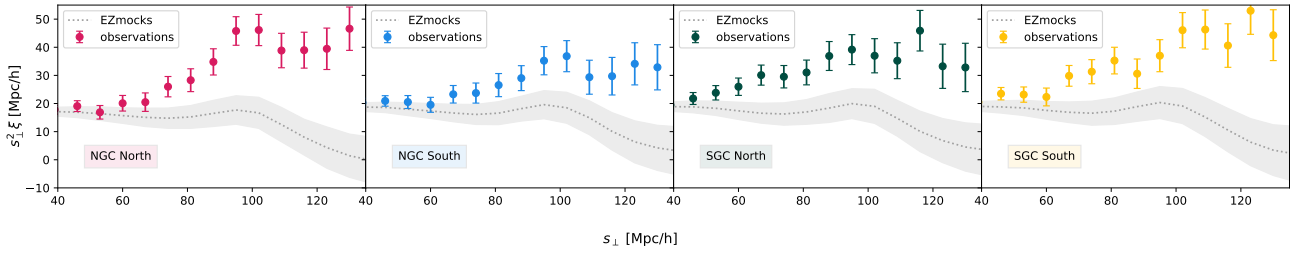
While in Section 5.1, we only provide the plot for the observed correlation function and EZmocks of the first μ -bin in Figure 8, we put the correlation functions for the remaining μ -bins (Figures A.1 to A.4) in this appendix. Figure A.5 aims to compare the correlation function measurements using the official DESI LRG selection that presented in Figure 8.

LRG DR9 $\bar{\mu} = 0.15$

Fig. A.1. The correlation functions of the $\bar{\mu} = 0.15$ bin for the four sub-samples compared to the EZmock correlation functions.

LRG DR9 $\bar{\mu} = 0.25$

Fig. A.2. The correlation functions of the $\bar{\mu} = 0.25$ bin for the four sub-samples compared to the EZmock correlation functions.

LRG DR9 $\bar{\mu} = 0.35$

Fig. A.3. The correlation functions of the $\bar{\mu} = 0.35$ bin for the four sub-samples compared to the EZmock correlation functions.

LRG DR9 $\bar{\mu} = 0.45$

Fig. A.4. The correlation functions of the $\bar{\mu} = 0.45$ bin for the four sub-samples compared to the EZmock correlation functions.

LRG DR9 (official selection) $\bar{\mu} = 0.05$

Fig. A.5. The correlation functions of the $\bar{\mu} = 0.05$ bin for the four sub-samples compared to the EZmock correlation functions, but using the official definition of DESI LRGs instead of our slightly modified version.