2022 Vs. 2018 Data 2022 Data Self-Comparison -0.5 -0.5 RPS22 SUB2 $\phi_{ m pair}$ [Deg] -1 -1 RPS22 $\phi_{\sf pair}$ [Deg] -1.5 -1.5 -2 -2 -2.5 -2.5 -3 -3 -3.5 -3.5 -3 -2 -1 -3 -2 RPS22 SUB1 ϕ_{pair} [Deg] RPS18 ϕ_{pair} [Deg] **Difference Histogram Difference Histogram** Mean: 0.143, STD: 0.055, N: 788 Mean: 0.002, STD: 0.029, N: 780 200 100 150 Z Z 100 50 50 0 0 -0.4 -0.2 0 0.2 0.4 -0.4 -0.2 0.2 0 0.4 $\Delta\phi_{\rm pair}~{\rm [Degrees]}$ $\Delta\phi_{\mathrm{pair}}$ [Degrees] RPS22 minus RPS18 RPS22 SUB1 - RPS22 SUB2

Data Consistency Checks