



FIG. 3. — *Left:* BICEP2 apodized  $E$ -mode and  $B$ -mode maps filtered to  $50 < \ell < 120$ . *Right:* The equivalent maps for the first of the lensed- $\Lambda$ CDM+noise simulations. The color scale displays the  $E$ -mode scalar and  $B$ -mode pseudoscalar patterns while the lines display the equivalent magnitude and orientation of linear polarization. Note that excess  $B$ -mode is detected over lensing+noise with high signal-to-noise ratio in the map ( $s/n > 2$  per map mode at  $\ell \approx 70$ ). (Also note that the  $E$ -mode and  $B$ -mode maps use different color/length scales.)