Astrid UVLF:  $M_{\rm BH, seed}$  (Bh Growth) z=4.0, intrinsic -2.0Parameter Variation -2.5 log<sub>10</sub>  $\phi$  [Mpc<sup>-3</sup> mag<sup>-1</sup>] **-**4.5 -5.0 <del>↓</del> -23 <del>-</del>22 \_2<sub>1</sub> **-1**6 -15 -20 -18 -17 -19  $\mathbf{M}_{\mathsf{AB}}$