

## Supporting Information

# Novel high-temperature phase and crystal structure evolution of CsCuBr<sub>3</sub> halide identified by neutron powder diffraction

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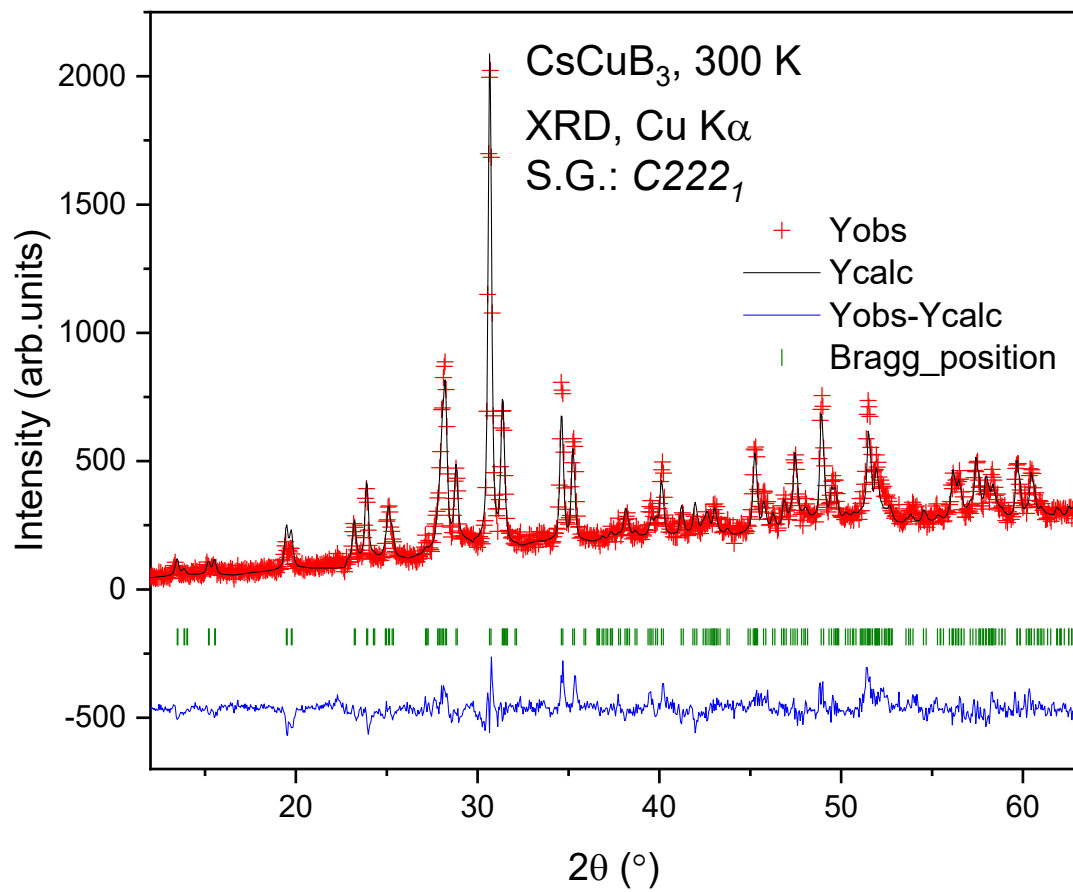
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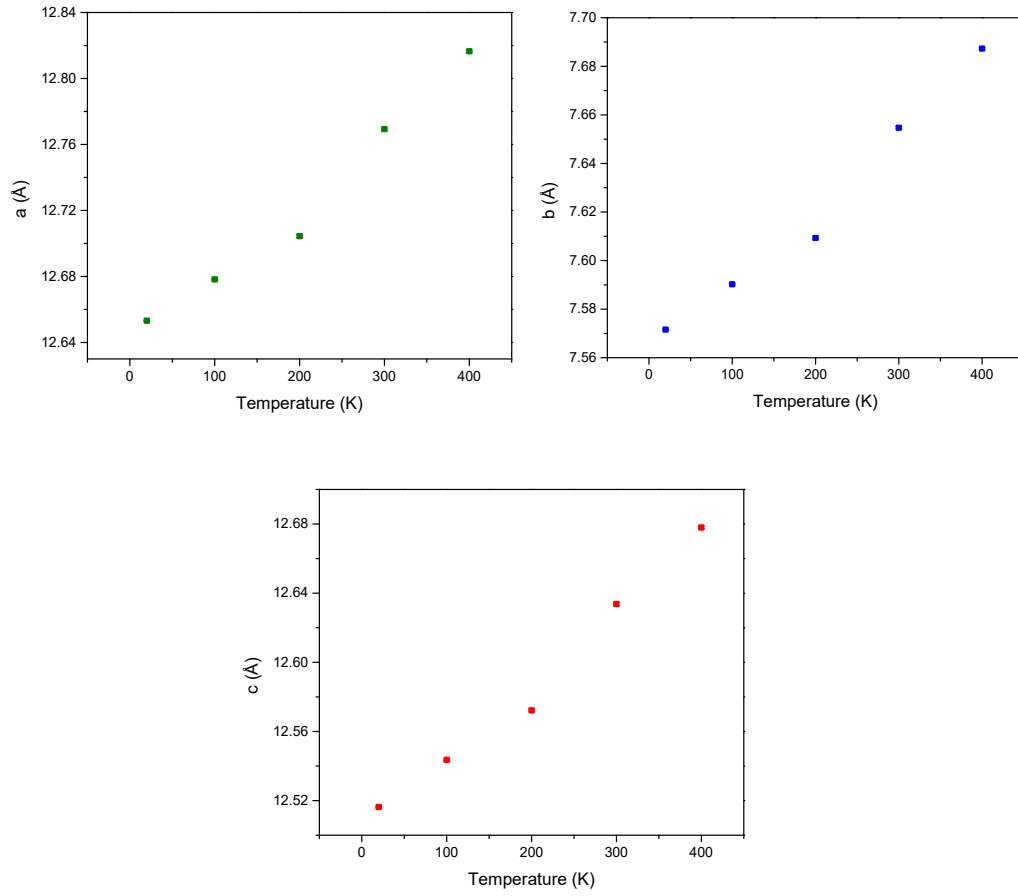
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**Figure S1:** Observed (red crosses), calculated (full black line) and difference (blue line) Rietveld profiles for CsCuBr<sub>3</sub> at RT, from laboratory XRD.



**Figure S2:** Plots of the evolution of the orthorhombic  $a$ ,  $b$  and  $c$  parameters of the  $\text{CsCuBr}_3$  crystal with temperature, data obtained from NPD.