

Supplementary Information

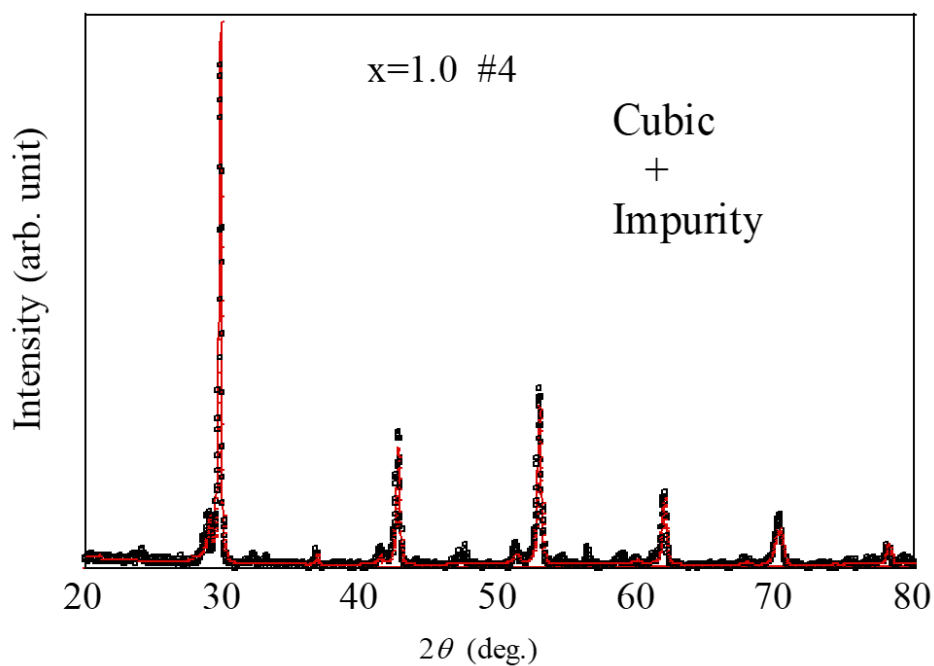


Fig. S1 X-ray diffraction data of a cubic single $\text{Ba}_2\text{CeSbO}_6$ sample. Impurity phase was identified to be monoclinic phase using the Rietveld refinement.

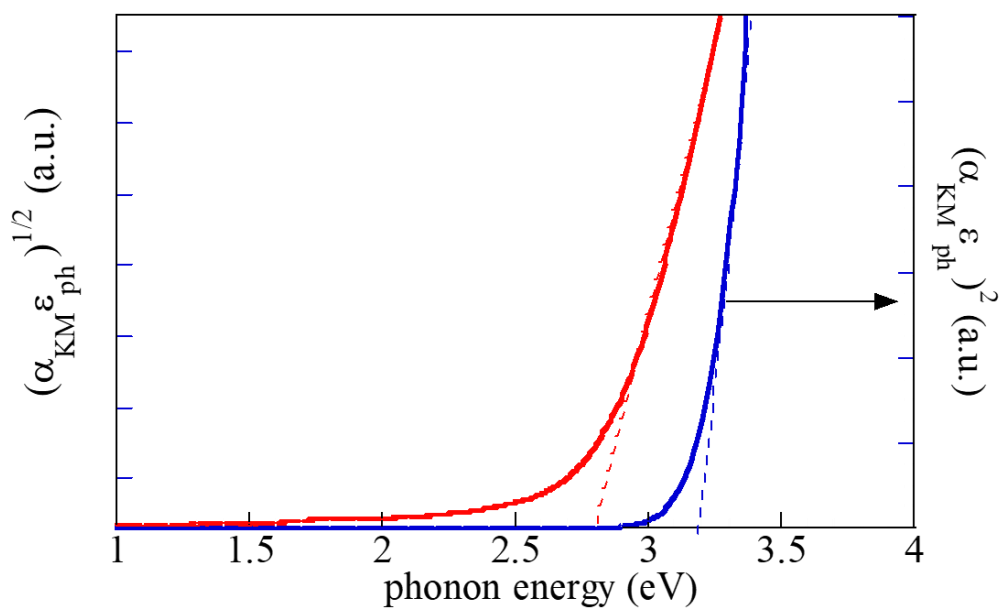


Fig. S2 KM conversion to diffuse reflection spectrum of cubic $\text{Ba}_2\text{CeSbO}_6$ sample.

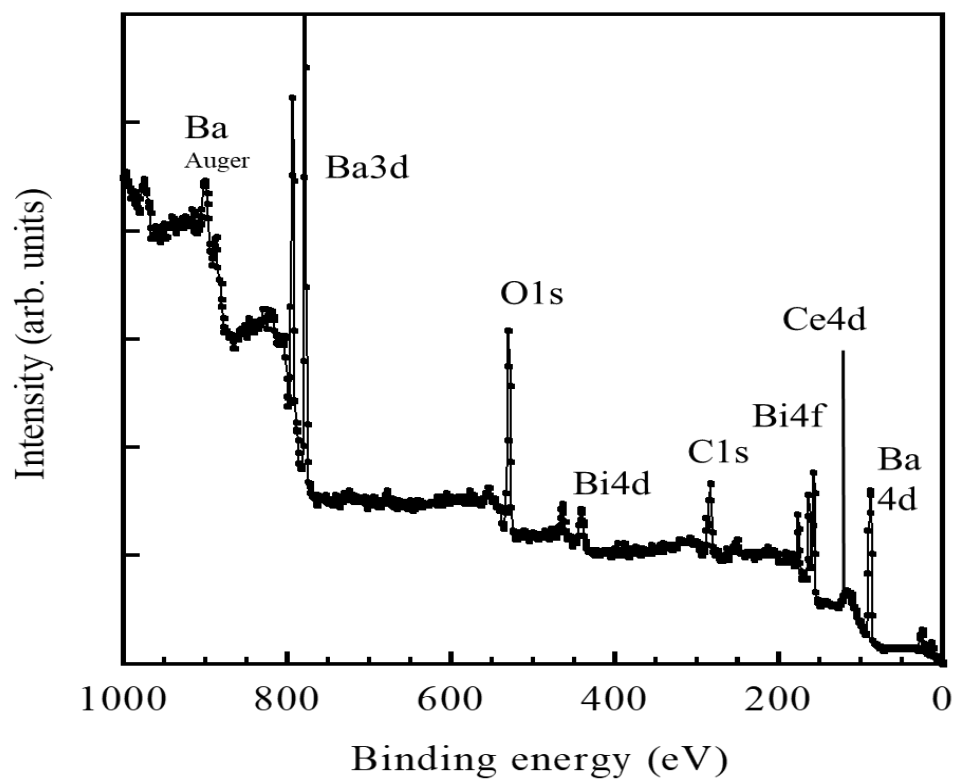


Fig. S3 XPS survey scan of $\text{Ba}_2\text{CeBiO}_6$ sample.

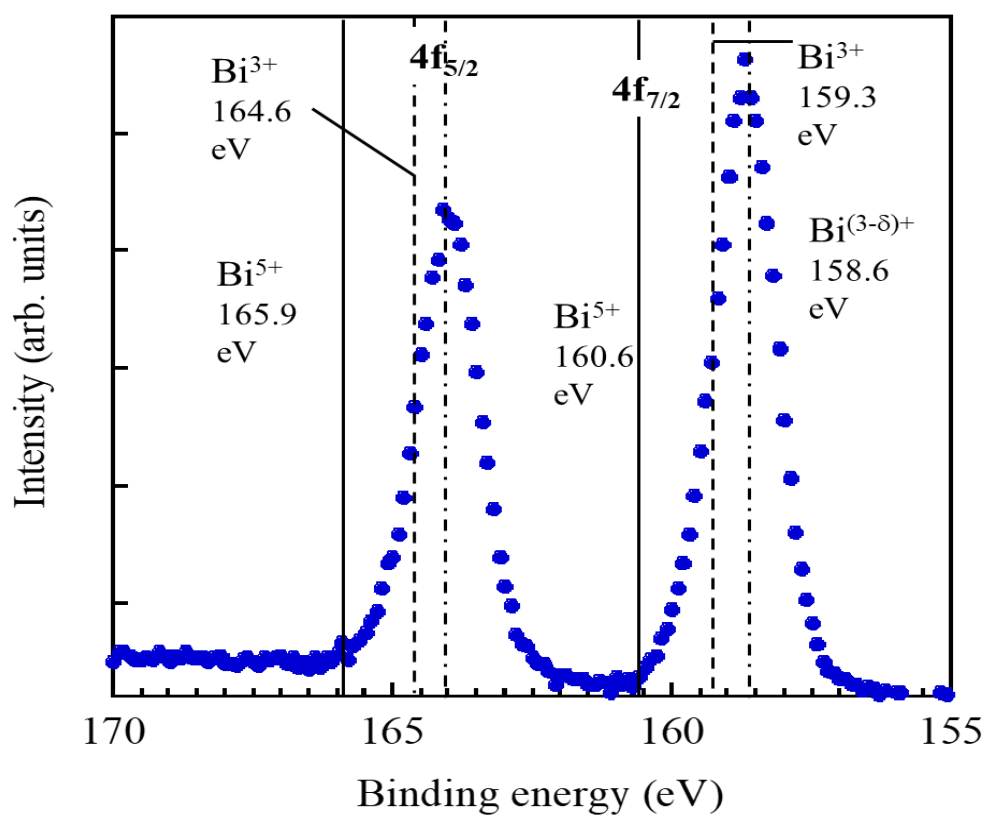


Fig. S4 XPS 4f narrow scan of $\text{Ba}_2\text{CeBiO}_6$ sample.