

Supporting Information for:

**One Step Synthesis, Characterization and Properties of Core/ Shell Silicogermanate
Zeotype Crystals**

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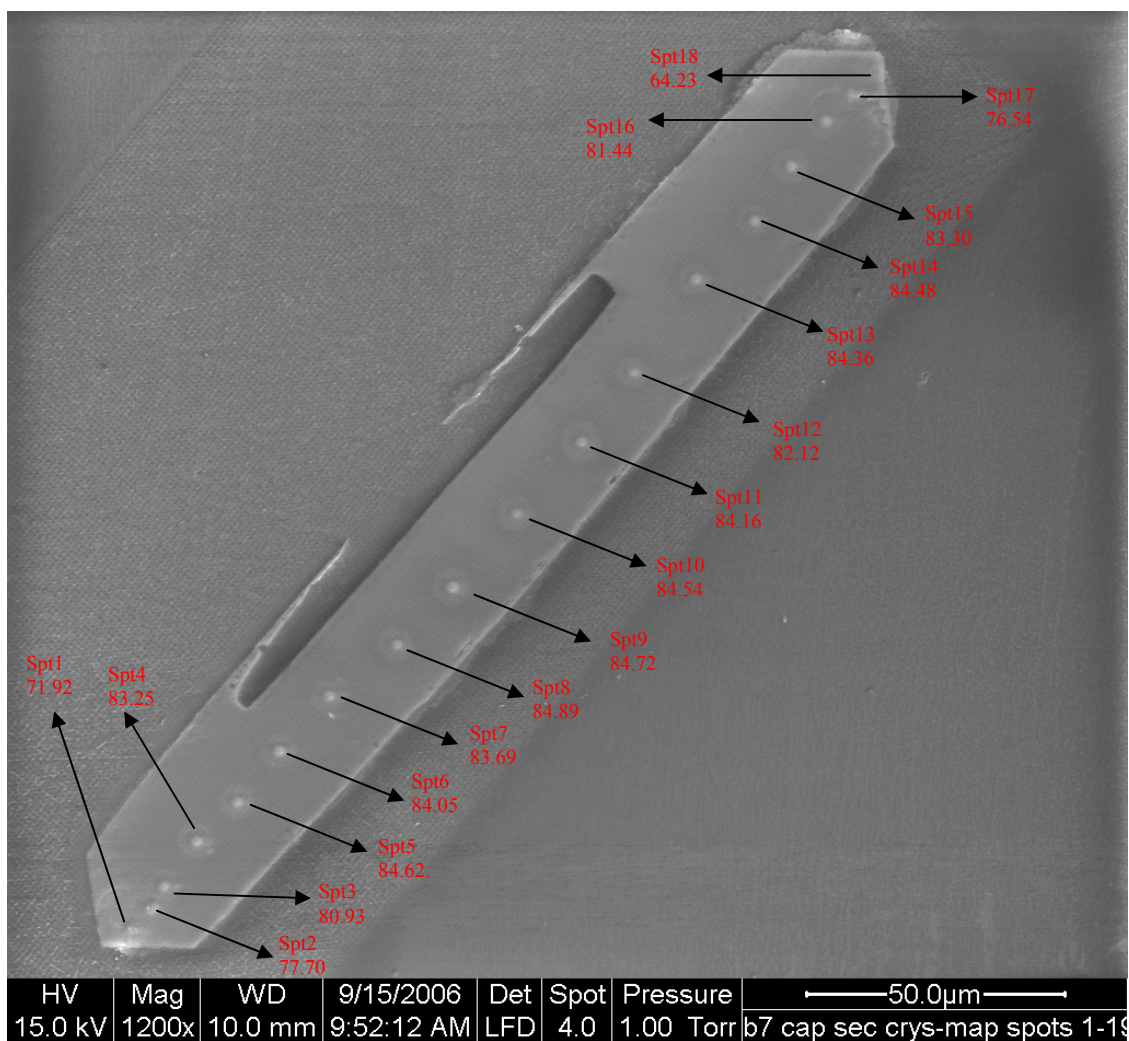


Fig. S1 Ge/ Si analysis at points along the length of a section of a Si-ASU-7 crystal. The Ge atomic composition (%) is given at each point. The Si atomic composition at each point (%) = 100 – Ge atomic composition. The error in the atomic composition is 2 %.

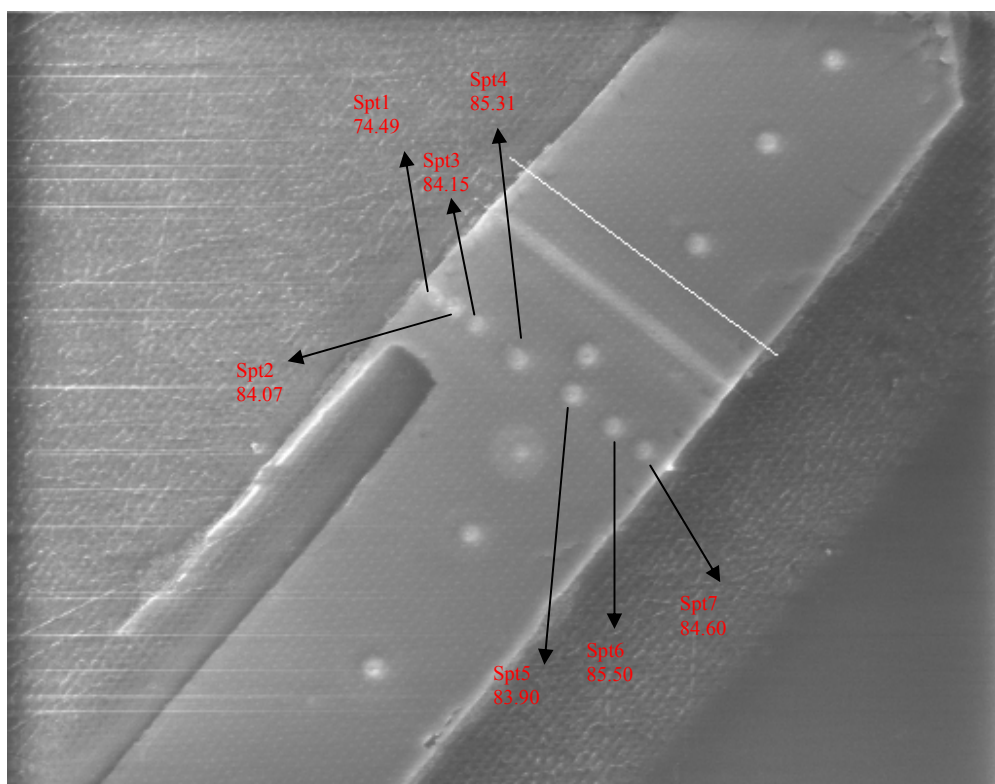


Fig. S2 Ge/ Si analysis at points along the breadth of a section of a Si-ASU-7 crystal. The Ge atomic composition (%) is given at each point. The Si atomic composition at each point (%) = $100 - \text{Ge atomic composition}$. The error in the atomic composition is 2 %.

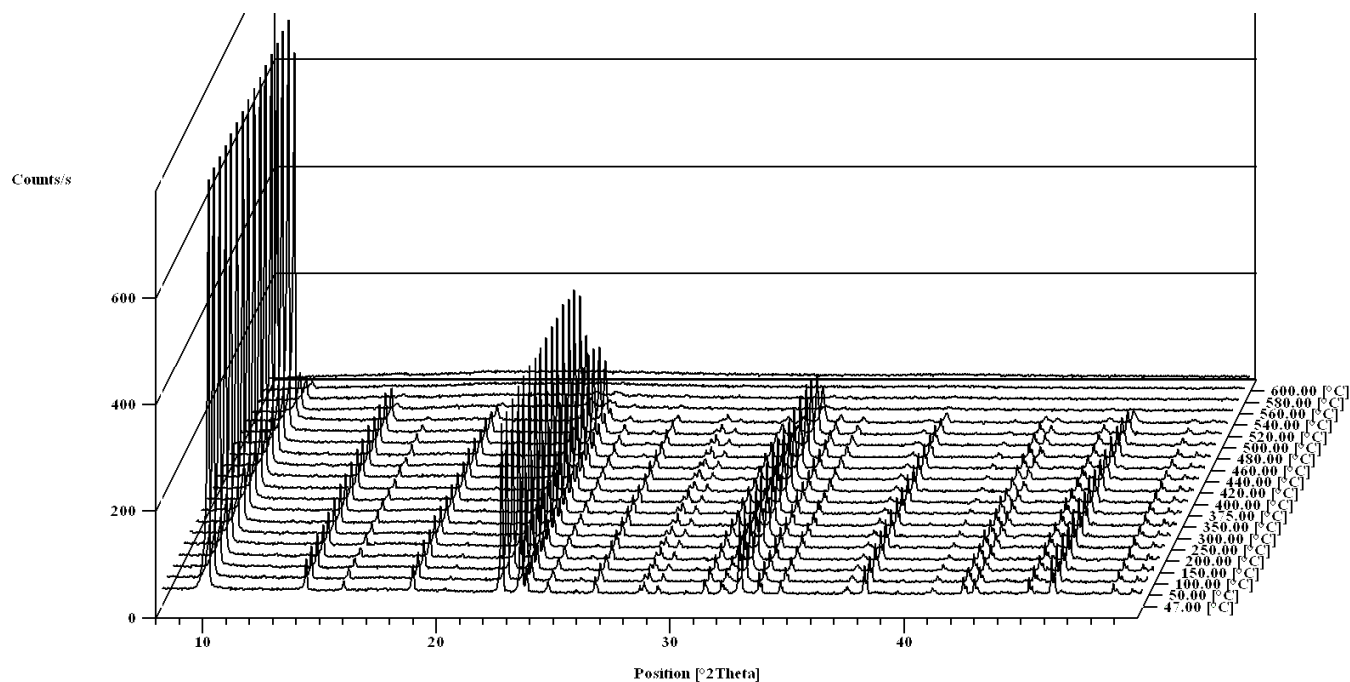


Fig. S3 The thermodiffraction patterns of ASU-7.

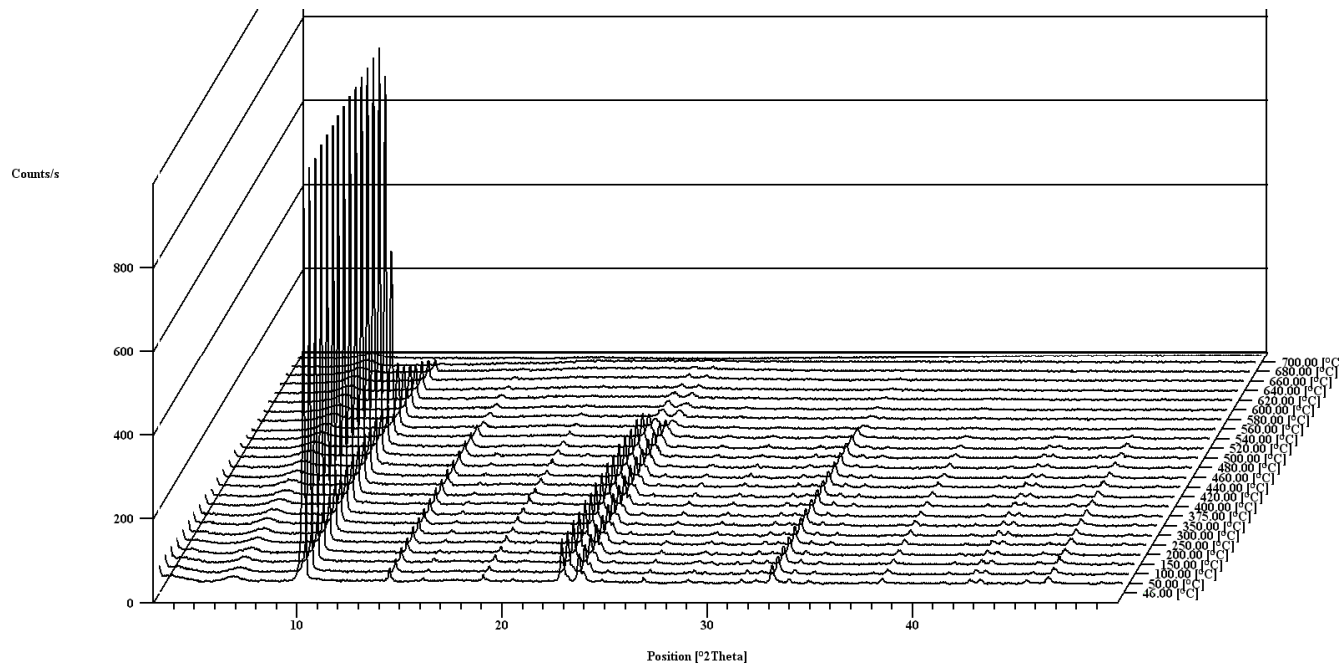


Fig. S4 The thermodiffraction patterns of Si-ASU-7.