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Formation of Nb3sn after Different Mechanical Alloying Methods

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The Nb3sn was prepared successfully by two methods of mechanical alloying followed by their respective heat treatment process. The microscope morphology, crystal structure, and superconducting properties were investigated. From the results, mechanical alloying was an effective method to produce the precursor, which changed the reaction formation energy of Nb3sn and can produce Nb3sn more easily and quickly. The phase transition processes were measured by XRD in different temperatures. Keywords Nb3sn Mechanically Alloying Heat Treatment

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