

High-Field Applications of HTS Tapes

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Abstract - The key issues to be discussed in this presentation on high-field applications of HTS tapes include: 1) magnet design; 2) mechanical integrity; 3) protection; 4) spatial and temporal requirements; and 5) cryogenics. Also presented, for the very first time, is a new design of HTS high-current (HI) cables that are particularly suitable for high-field magnets.

Keywords (Index Terms) - HTS tapes, high-field magnets, YBCO.