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## **【202】 CHART MagDev Roadmap for Nb<sub>3</sub>Sn Magnets for FCC-hh**

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Reaching the ultimate field for Nb<sub>3</sub>Sn conductor in accelerator magnets in a robust (industrializable) and cost-effective manner is the goal of an international effort, centered around the specifications for the FCC-hh main dipoles. While conductor R&D makes steady progress towards FCC-hh specs, the experimental effort on high-field magnets in Europe is ramping up. CHART MagDev has recently reached an important milestone, allowing for the selection of the most promising technologies of an innovative Nb<sub>3</sub>Sn magnet. The concept combines novel materials with stress-management and simplified manufacturability. In this presentation we present R&D results, as well as the design concept that will be implemented and refined over the coming years.

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