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Evidence for Chiral Bands in even even nucleus ^{136}Nd

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Evidence for chiral doublet bands has been observed for the first time in the even-even nucleus ^{136}Nd . One chiral band was firmly established and four other candidates for chiral bands have been identified in ^{136}Nd . These bands are interpreted as a multiple chiral doublet bands, which is in good agreement with results of calculation based on the constrained and tilted axis cranking covariant density function theory (TAC-CDFT).

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