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Classification of inductive limit C-algebras with ideal property*

A C*-algebra is said to have ideal property if each of its ideal is generated by projections inside the ideal. This class of C*-algebras is a common generalization of unital simple C*-algebras and real rank zero C*-algebras. In this talk, we will present a classification of AH algebras with ideal property. The invariant involves scaled ordered total K-theory, tracial state spaces of cutting down algebras and new ingredient of Hausdorffized algebraic K_1 of cutting down algebras with certain compatibility. The talk is based on two joint papers of Gong-Jiang-Li-Pasnicu and Gong-Jiang-Li.