

DUST COLLECTION
AND REMOVAL — NFP-COLLECTOR

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S u m m a r y

A short description of an NFP-Collector (Negatively Charged Fine-Particle Collector) proposed for the collection and removal of fine particles in dusty plasmas is presented. At first, a principle of the Collector is described, together with its experimental confirmation. Then, recent experiments combined with ditch structures formed on plates to guide fine particles are introduced. Measurements have also been made on fine particles sputtered out of a dusty metal plate into a plasma. Finally, the effects of the Collector on silane plasma, in which dusty fine particles are formed, are presented.