Lively Physics and Exciting Experiments 4
-- High Sensitivity Cloud Chamber –

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There are many students in physics classes who do not like physics. The main reasons are that the teachers cannot tell the students how interesting the physics is, and that the students cannot find true meaning of learning physics. In order to improve the above-mentioned situation, Stray Cats Group has been making effort to let the physics class students understand physics is worth learning. We believe it is very effective for the physics education to develop simple, essential and pleasant teaching materials, and utilize them in the classes. These teaching materials let the students enjoy physics and realize “Physics is fun.” “Physics exists everywhere.” and “Everybody can enjoy Physics.”

As an example, High Sensitivity Cloud Chamber is shown.

This Cloud Chamber can observe tracks of cosmic rays and the environmental β rays. No radiation source is necessary for observing the radiation tracks. This cloud chamber can be constructed very cheaply with handy materials.

Schematic drawing of the High Sensitivity Cloud Chamber