



Contribution ID: 325

Type: **Poster**

Learning Particle Physics with DIY Play Dough Model

Wednesday, 24 May 2017 15:45 (15 minutes)

The scientists once believed an atom was the smallest particle, nothing was smaller than this tiny particle. Later, they discovered an atom which consists of protons, neutrons and electrons, and they believed that these particles cannot be broken into the smaller particles. According to advanced technology, the scientists have discovered these particles are consist of a smaller particles. The new particles are called quarks and gluons which we called fundamental particle. Atomic structure cannot be observed directly, so it is complicated for studying these particles. The aim of the study are (1) to help students get more understanding, the researcher made particles model from “Play Dough”, (2) to develop creativity in students and cooperative learning among students.

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Session Classification: Poster Presentation I

Track Classification: Physics Education