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Bringing students closer to high energy physics: Fine arts and dance

Scientific developments have seen reality dissolved into smaller and smaller invisible particles that the physicist has to make visible. This process is mirrored by the artist attempting to express thoughts and emotions through the manipulation of materials in the case of fine arts, or the movements of the human body in the case of dance. Taking the same journey from something hidden to something revealed. We present two new activities developed by artists, dancers, and particle physicists to enthuse students regarding STEM subjects, stimulate inquiry, and enhance learning. The first involves experimenting with ways of visualising using mark-making, simple three-dimensional materials, photography and film to explore the intriguing connections between art and science, while the second employs dance improvisation, rhythm, and music. These projects have been developed in the context of and supported by the CREATIONS initiative.

Experimental Collaboration

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