

ATLAS, Play! –Teaching particle physics through educational games

Thursday, July 30, 2020 9:00 AM (20 minutes)

Educational games and activities have proven benefits for achieving learning objectives. They motivate competition, provide immediate rewards for success, and encourage collaborative, problem-based learning - all while framed as a fun activity, rather than laborious task. An overview of ATLAS educational games is given, including: “Making a Splash”, a water-balloon game teaching the physics of colliders; “Proton Cookies”, explaining the constituents of a proton through baked goods; and “Particle Twister”, teaching the Standard Model through the game of Twister. Use cases of these games are described and user feedback is presented.

I read the instructions

Secondary track (number)

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