



Contribution ID: **380**

Type: **Parallel session talk**

## Particles in a pocket

*Monday 21 August 2023 09:00 (13 minutes)*

Communicating science through mobile smartphone and tablet applications is one of the most efficient ways to reach general public of diverse background and age coverage. The Higgisy project was created to celebrate the 10th anniversary of the discovery of the Higgs boson at CERN in 2022. This project introduces a mobile game to search for the Higgs boson production in a generic particle physics detector. The MatterBricks mobile game was created for a major national event in Belgium, held in 2023, which is an augmented-reality project to learn about elementary particles. The talk will cover the main features of the two mobile applications and will give further prospects for reaching general public through mobile application development process.

### Collaboration / Activity

High-energy particle physics

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**Session Classification:** T14 Outreach, Education and EDI

**Track Classification:** Outreach, Education and EDI