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Physics learning promoting culture and addressing societal issues

Contribution ID: **92** Type: **Oral presentation**

The Quantum Jungle for Secondary-School Education

Thursday 6 July 2023 12:10 (20 minutes)

Teaching and learning Quantum Mechanics in secondary school is a unique challenge, at once requiring creativity, experimental, and mathematical literacies. Educating students to quantum science and technologies can therefore also be an opportunity to empower them with new ways of thinking, and the skills needed to navigate uncertain futures. However, engaging storytelling and interactive tools are required to complement or substitute limited experimental and mathematical competences. Here we present a didactic experiment offered to secondary-school students accompanied by their teachers which uses the interactive art-science installation Quantum Jungle within the Culturo-Scientific Storytelling framework, offering a model for fellow educators.

How would you like to present your contribution?

Hybrid from my own country (early in the conference day, best for Asia, Australia ...)

Target education level (primary)

Upper-secondary education

Target education level (secondary, optional)

Outreach

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Session Classification: Hybrid session - early

Track Classification: Informal learning and non-formal learning of physics