

International Elementary Particle Laboratory/STEAM Program

International Elementary Particle laboratory working with STEAM program to promote science advocacy, awareness and interest.

We present the International Elementary Particle Laboratory where new pedagogical models have been established successfully. Over the last 15 years, the laboratory participates in significant International Collaborations like DUNE and MINERvA of the Fermi National Accelerator Laboratory and prominent outreach programs like STEAM Program binationally with Guatemala.

The hands-on model has allowed, during the pandemic, to plan, to design and remotely construct over 30 original prototypes for radiation detection.

Also, at the same time, outreach strategies have been implemented like the Leon Lederman Seminar Series and participate in online workshops like Falling Walls, Berlin Science Week Physics with presentations like Flight in the Little Prince World.

During the Science Fair, we want to introduce a small video to show the work and some preliminary obtained results in the radiation detection innovation.

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Subcategory

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