## Table of Contents

Alice Master Classes

Title: ALICE educational material - short films for high-school students and physics teachers

Description

Duration

Public

Material

CERN video content owner

Video Discussion
Alice Master Classes

Title: ALICE educational material - short films for high-school students and physics teachers

Description

Short classes by physicists conducting the masterclasses sessions, i.e. experienced with general public audience. Example: Looking for strange particles with ALICE
http://aliceinfo.cern.ch/Public/MasterCL/MasterClassWebpage.html

1. Introduction to first part of the exercise : what are strange particles, V0 decays, invariant mass.
2. Introduction to second part of the exercise : strangeness enhancement; centrality of lead-lead collisions; explanation of efficiency, yield, background etc
3. Demonstration of the software for the 1st part of the exercise - visual identification of V0s
4. Demonstration of the software for the 2nd part of the exercise - invariant mass spectra - background subtraction and calculation of number of Kaons, Lambdas, antiLambdas.

Duration:

Series of short films or presentations with voice-over (3 minutes each) order is important (e.g. ALICE experiment example below).

Public

World-accessible, made for high-school students participating in (international) masterclasses; also for high-school physics teachers participating in masterclasses sessions.

Material

Slides and screen capture by expert physicists in the outreach programme and students walking the public through the software installation.

CERN video content owner

Despina Hatzifotiadou for ALICE outreach

Video Discussion

use the attach button below to upload the video to this page. Then copy/paste the %ATTACHURL% url the video tag above