Hands-On: The Proteus reconstruction software

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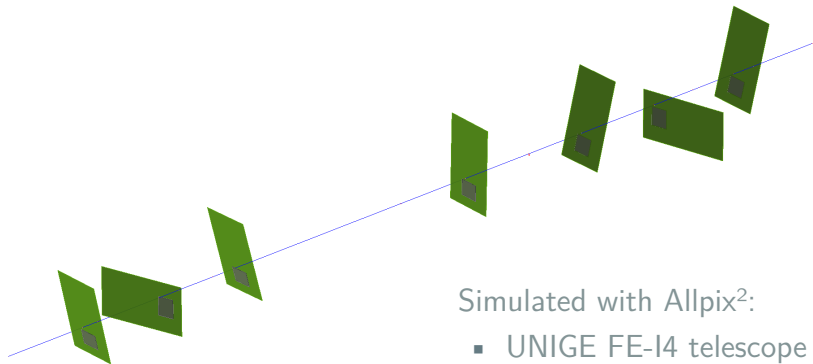BTTB6, Zürich, 18.01.2018

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What we are going to do today

From raw data to tracks

- Installation
- Device/geometry/analysis configuration
- Running basic tracking
- Aligning the setup
- Matching and basic efficiencies
- Data export for detailed analysis

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Simulated with Allpix²:

- UNIGE FE-I4 telescope
- FE-I4 device-under-test
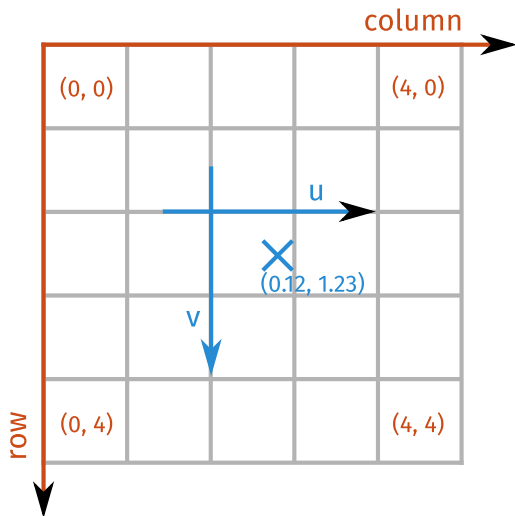- Includes misalignment

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cernbox.cern.ch/index.php/s/DrbH1XB3kF3INXU

Contains:

- Example run w/ 1 particle/event
- Example run w/ 4 particles/event
- Nominal geometry

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Pixel (indices)
Local (metric)
Global (metric)

column
(0, 0)
(4, 0)
u
(0.12, 1.23)
v
row
(0, 4)
(4, 4)

y
(12.345, 123.45, 1234.5)
x
z

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