



Contribution ID: 51

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## TrackMLRamp hackathon : a 2D tracking challenge

*Tuesday 7 March 2017 16:30 (3h 30m)*

To participate to this hackathon, it is necessary to register using the “hackathon registration” button on the left hand side menu.

See the motivation for an HL-LHC tracking challenge in the previous talk abstract. A RAMP (Rapid Analysis and Model Prototyping) on the Paris-Saclay platform is a mini-challenge/hackathon. Simulated LHC like events in 2D will be proposed, simplified but not too simple: circular detectors with Si-like resolution, uniform magnetic field, multiple scattering. the name of the game will be to propose new approaches to associate hits into tracks. Code submission (in python only) will be evaluated online and be ranked on a leaderboard, based on the best efficiency with limited fake rate. Participants will be able to download the best contributions and improve on them.

Set up instructions are provided.

Winners as determined by the leaderboard Thursday 9AM have been congratulated at 11AM Thursday (see agenda).

However the hackathon site remains open for the foreseeable future.

**Presenters:** KÉGL, Balázs (Linear Accelerator Laboratory); ROUSSEAU, David (LAL-Orsay, FR); GUYON, Isabelle; HUSHCHYN, Mikhail (Yandex School of Data Analysis (RU)); YILMAZ, Yetkin (Laboratoire Leprince-Ringuet, France)

**Track Classification:** 12 : Special