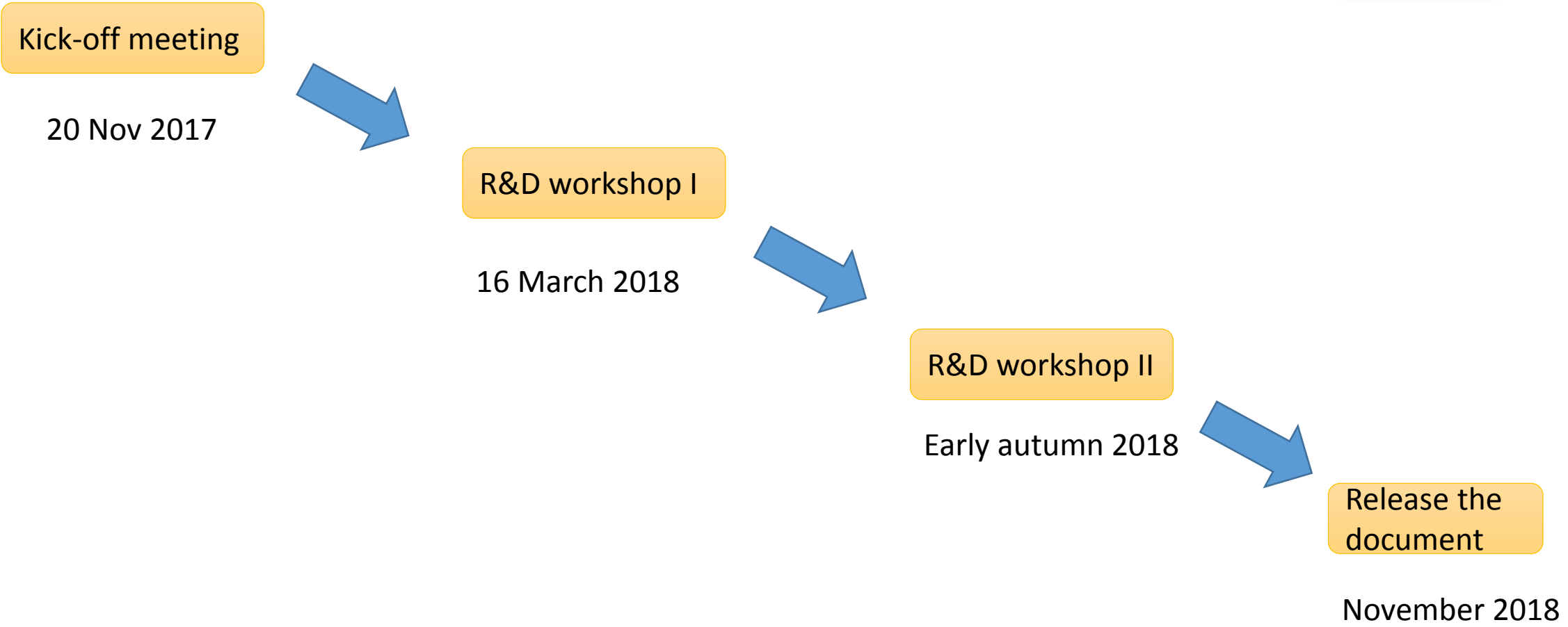
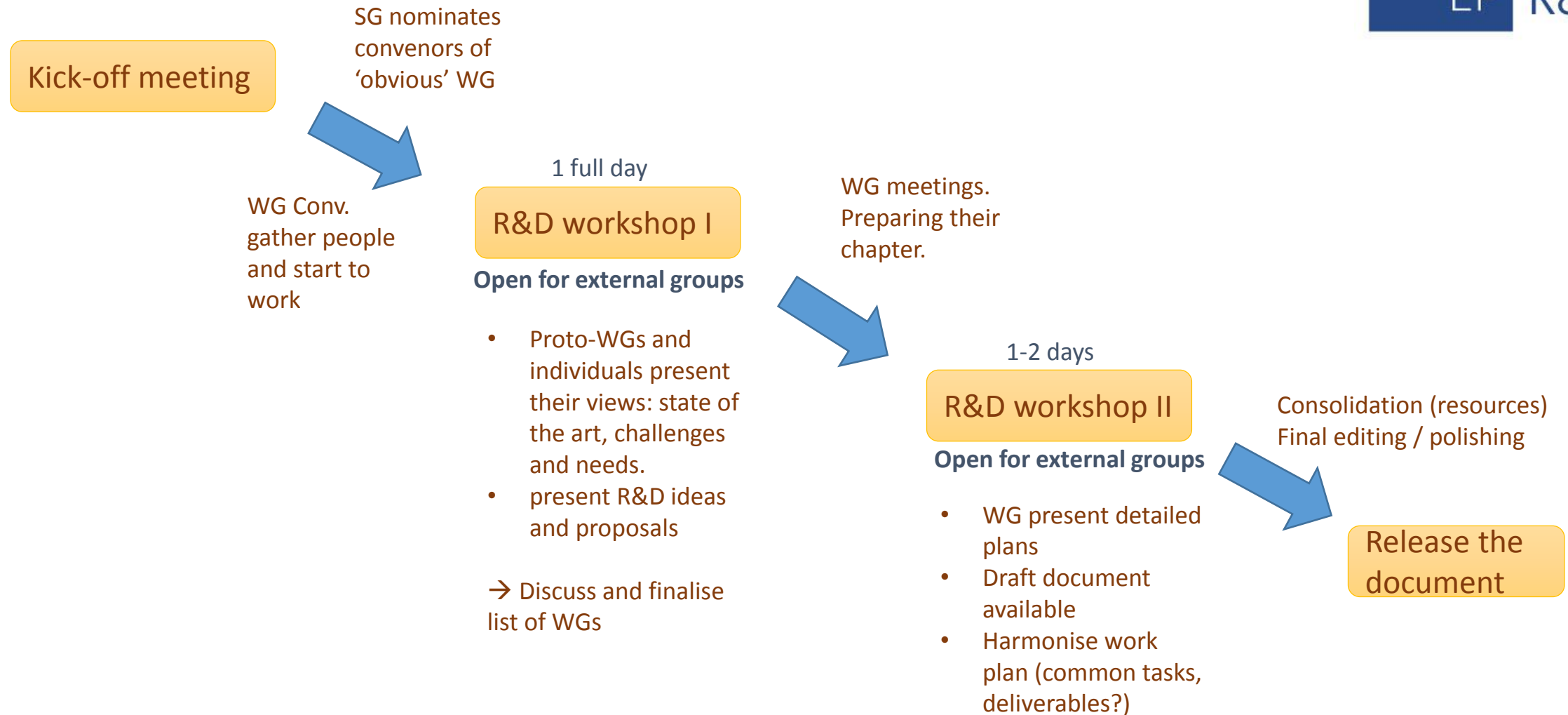


Time line



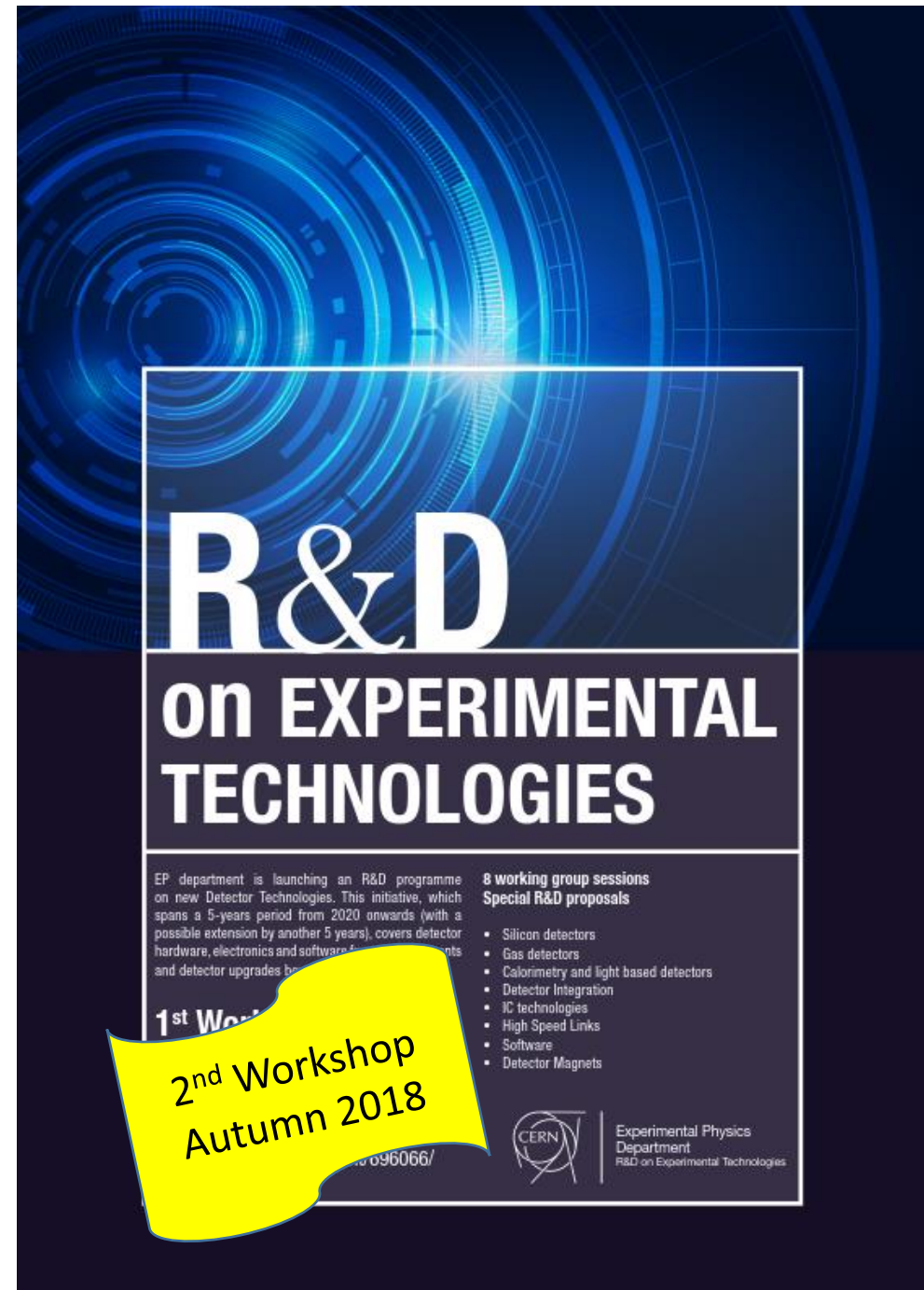
The process



Next steps

- Huge amount of input and proposals received
- Working groups will sort and filter, and propose topic selections.
- For every proposed R&D line, we need to work out a roadmap, milestones, prototypes, cost estimates etc.
- This will need to be confronted with budget constraints, smoothed, ...
- In parallel, the conveners will start to work on the chapters for the R&D report.
- At Workshop 2 (in autumn) we should have
 - well advanced workplans,
 - draft chapters of the report

Many thanks for your interest and support of this process!



The poster features a dark blue background with a glowing, circular, futuristic pattern resembling a particle detector or a data visualization. The text is white and yellow. A yellow banner at the bottom left of the poster reads "2nd Workshop Autumn 2018".

R&D on EXPERIMENTAL TECHNOLOGIES


EP department is launching an R&D programme on new Detector Technologies. This initiative, which spans a 5-years period from 2020 onwards (with a possible extension by another 5 years), covers detector hardware, electronics and software for experiments and detector upgrades for the LHC and HL-LHC.

1st Workshop

**8 working group sessions
Special R&D proposals**

- Silicon detectors
- Gas detectors
- Calorimetry and light based detectors
- Detector Integration
- IC technologies
- High Speed Links
- Software
- Detector Magnets

096066/

 Experimental Physics
Department
R&D on Experimental Technologies

(Current) List of work packages and convenors



Working Groups	Convenors
Silicon detectors	Heinz Pernegger, Luciano Musa, Petra Riedler, Dominik Dannheim
Gas detectors	Christoph Rembser, Eraldo Oliveri
Calorimetry and light based detectors	Martin Aleksa, Carmelo d'Ambrosio
Detector Integration	Corrado Gargiulo, Antti Onnela
IC technologies	Federico Faccio, Michael Campbell
High Speed Links	Paolo Moreira, Francois Vasey
Software	Graeme Stewart, Jakob Blomer
Detector Magnets	Herman Ten Kate, Benoit Cure