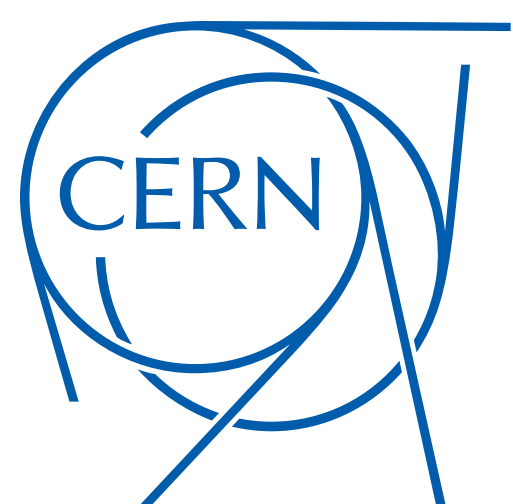




Welcome

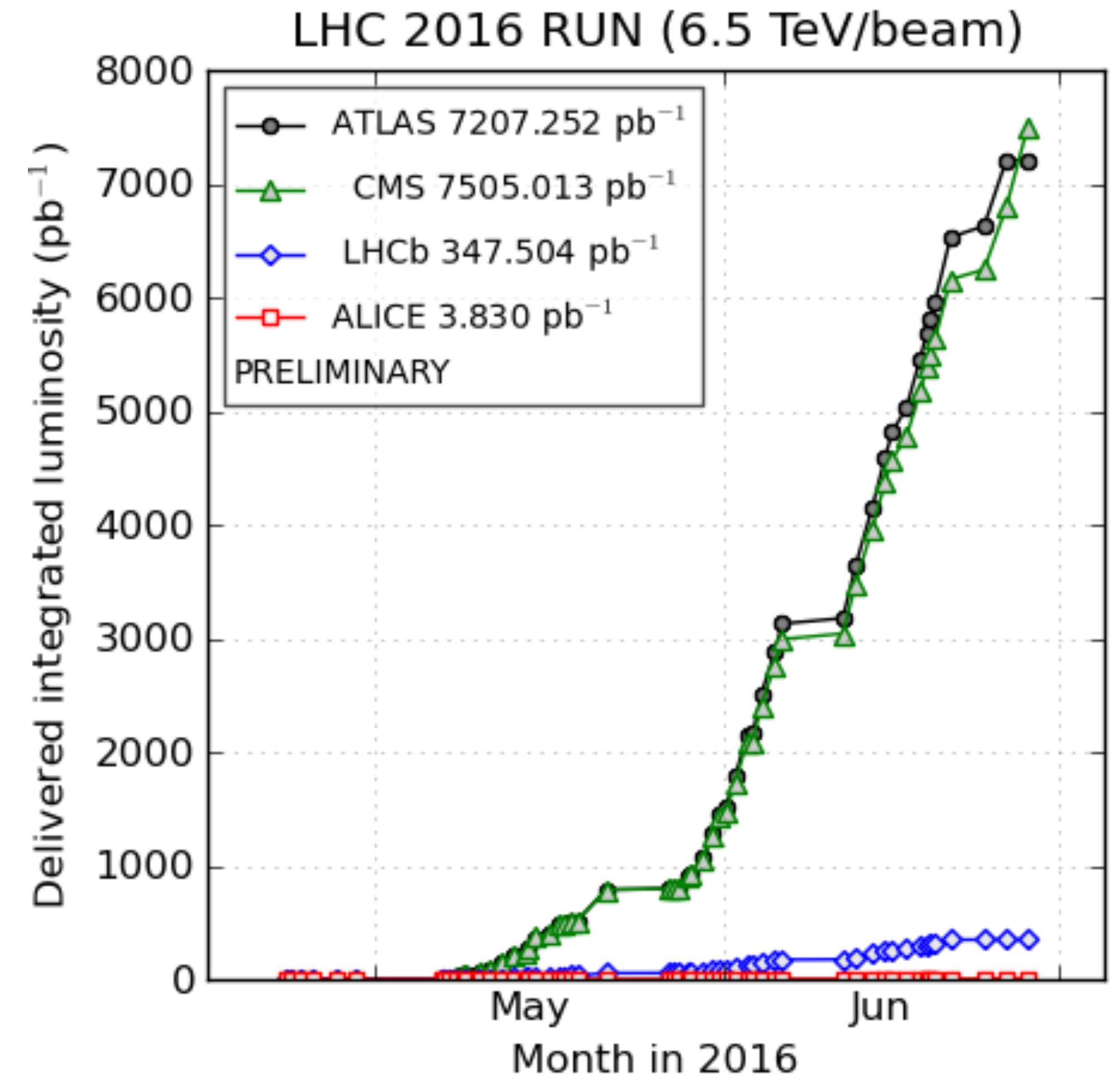
E.Elsen
Director of Research and Computing





LHC in production mode

- $\sqrt{s} = 13 \text{ TeV}$
- 2015 year of pilot run yielded $\sim 4 \text{ fb}^{-1}$ for ATLAS and CMS
- 2016 production run
 - nominal peak luminosity of $10^{34} \text{ cm}^{-2} \text{ s}^{-1}$ has been surpassed
 - record fills of $>35 \text{ h}$



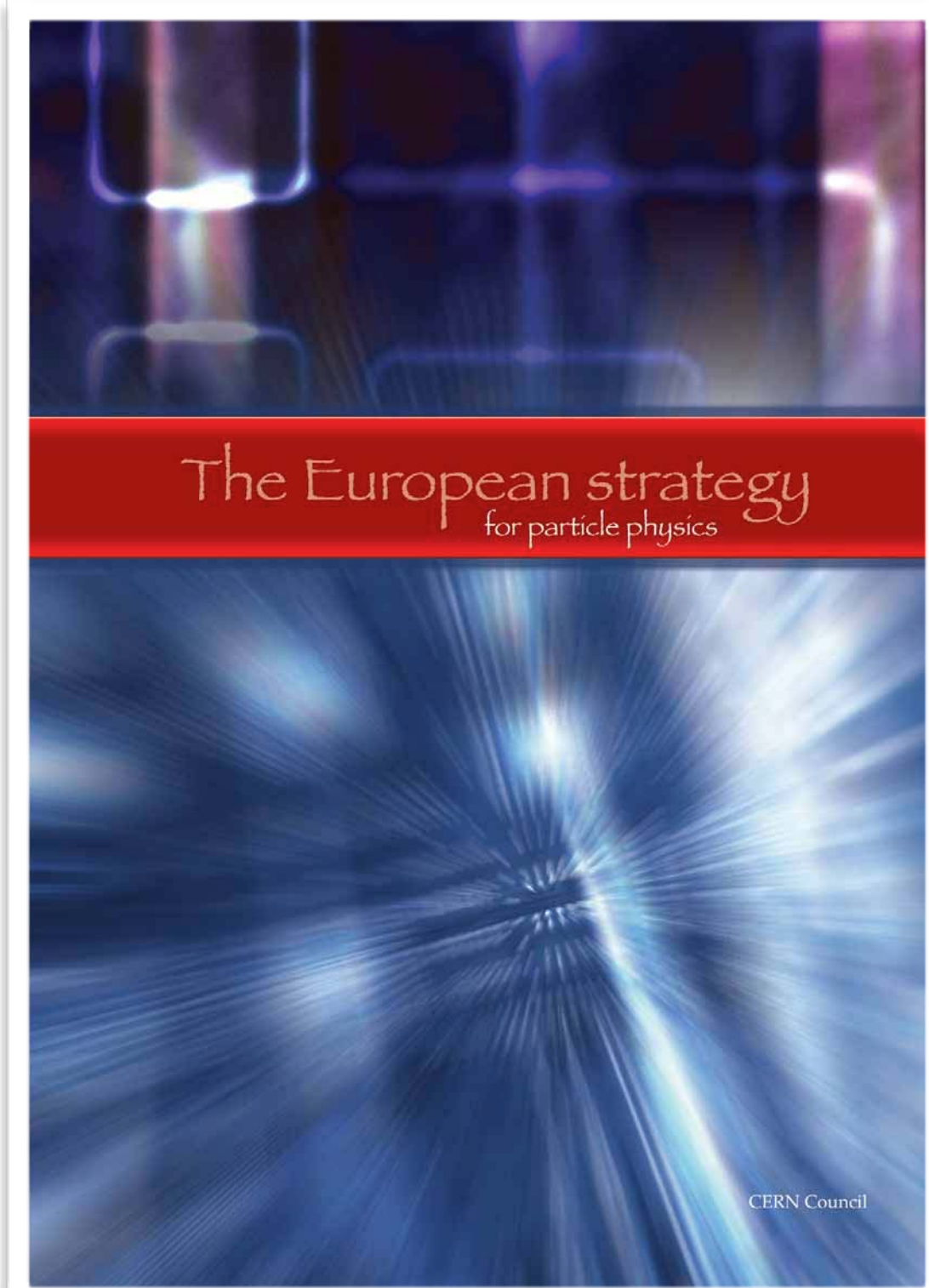
(2016-06-28 11:30 including fill 5045; scripts by C. Barschel)

Particle Physics \Leftrightarrow Astroparticle Physics

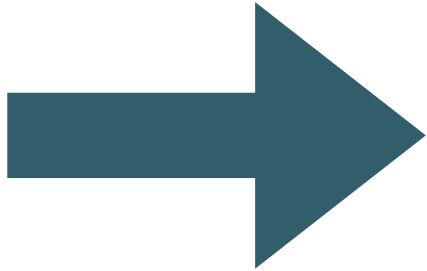
- Physics
- People
- Tools
 - large installations, long lead times
- an interested public community
 - have to help politicians in their engagement for science

Importance of a common Strategy

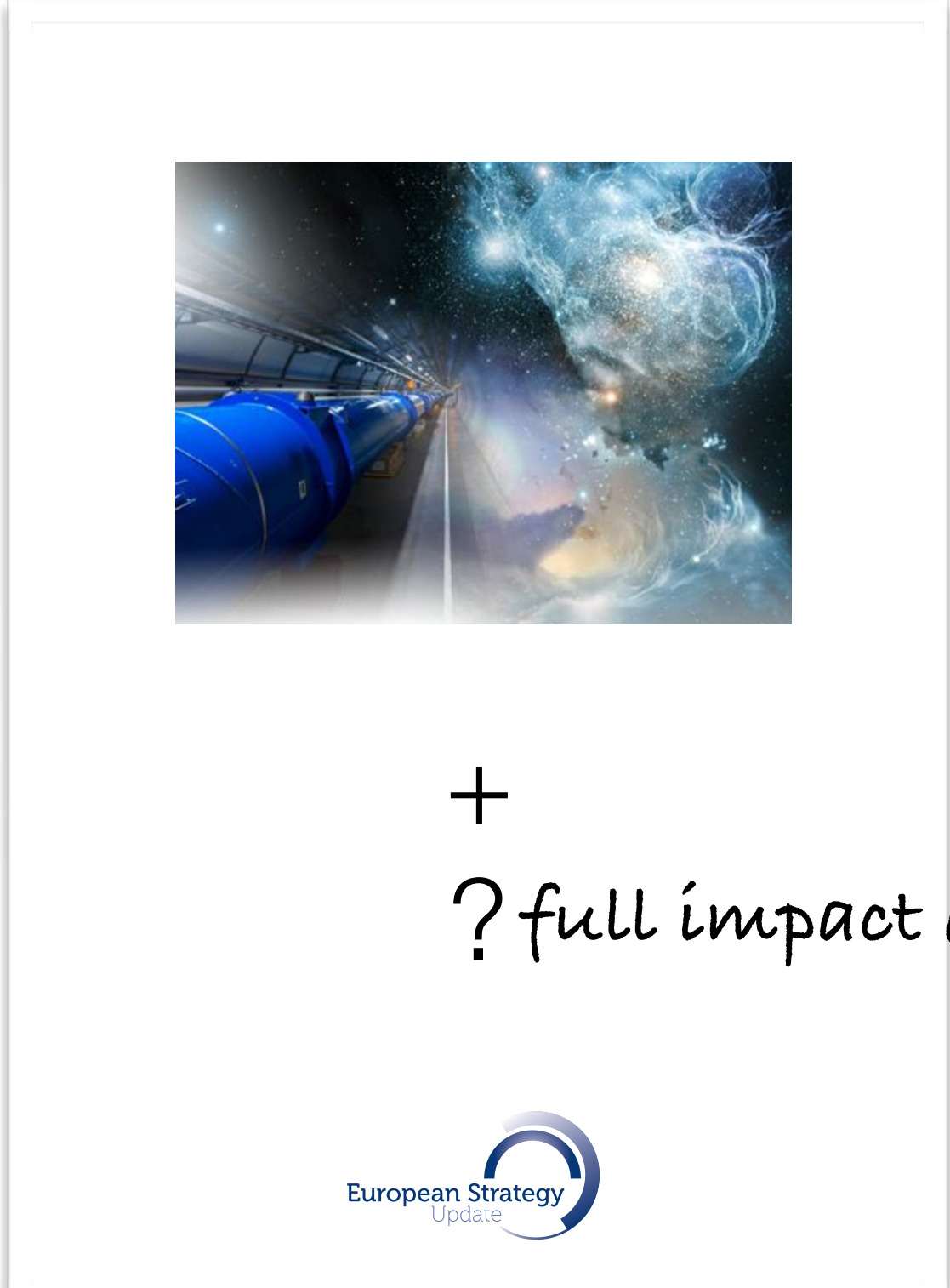
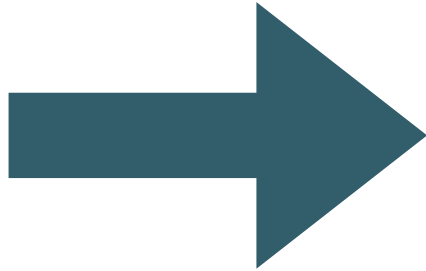
European Strategy for Particle Physics and updates



2006



2013



~2019

...and its implementation

- Full exploitation of LHC
 - HL-LHC was approved in Council in June 2016
- neutrino programme
 - European neutrino platform at CERN
 - Agreements with US
- ILC considered in Japan

...and onto the road for APPEC