

31st International Symposium on Lepton Photon Interactions at High Energies



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Upgrades of the experiments for the High luminosity phase of LHC

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Following an intense period of R&D and engineering of technical solutions, ATLAS and CMS are entering production of their upgrades for the High Luminosity LHC. This presentation will highlight the major experimental challenges and the recent progress in preparation of the new detectors. While ATLAS and CMS will continue to be exposed to the highest luminosities and subsequent collision pile-up and data flows, Alice and LHCb are proposing new upgrades during the future Long Shutdown LS3 and LS4 with specific performance requirements. An overview of these new projects will be presented; together with a perspective on related R&Ds considered in the framework of the Detector Research and Development (DRD) international collaborations being formed at CERN.

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