

PHYSIKALISCHES KOLLOQUIUM

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IM GROßEN HÖRSAAL



PARTICLE PHYSICS AT THE LHC – LESSONS AND FUTURE PROSPECTS

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The results from the Large Hadron Collider have redefined the boundary conditions for the discussion of future facilities for High Energy Physics. On one side, the discovery of the Higgs clearly defines the needs, the challenges and the prospects of future precise measurements of its properties. On the other, the lack of signals for new physics stimulates reconsideration of theoretical scenarios, and opens a broad discussion of the best ways to move forward. I will review these issues, summarize the most recent initiatives, and provide some personal perspective.