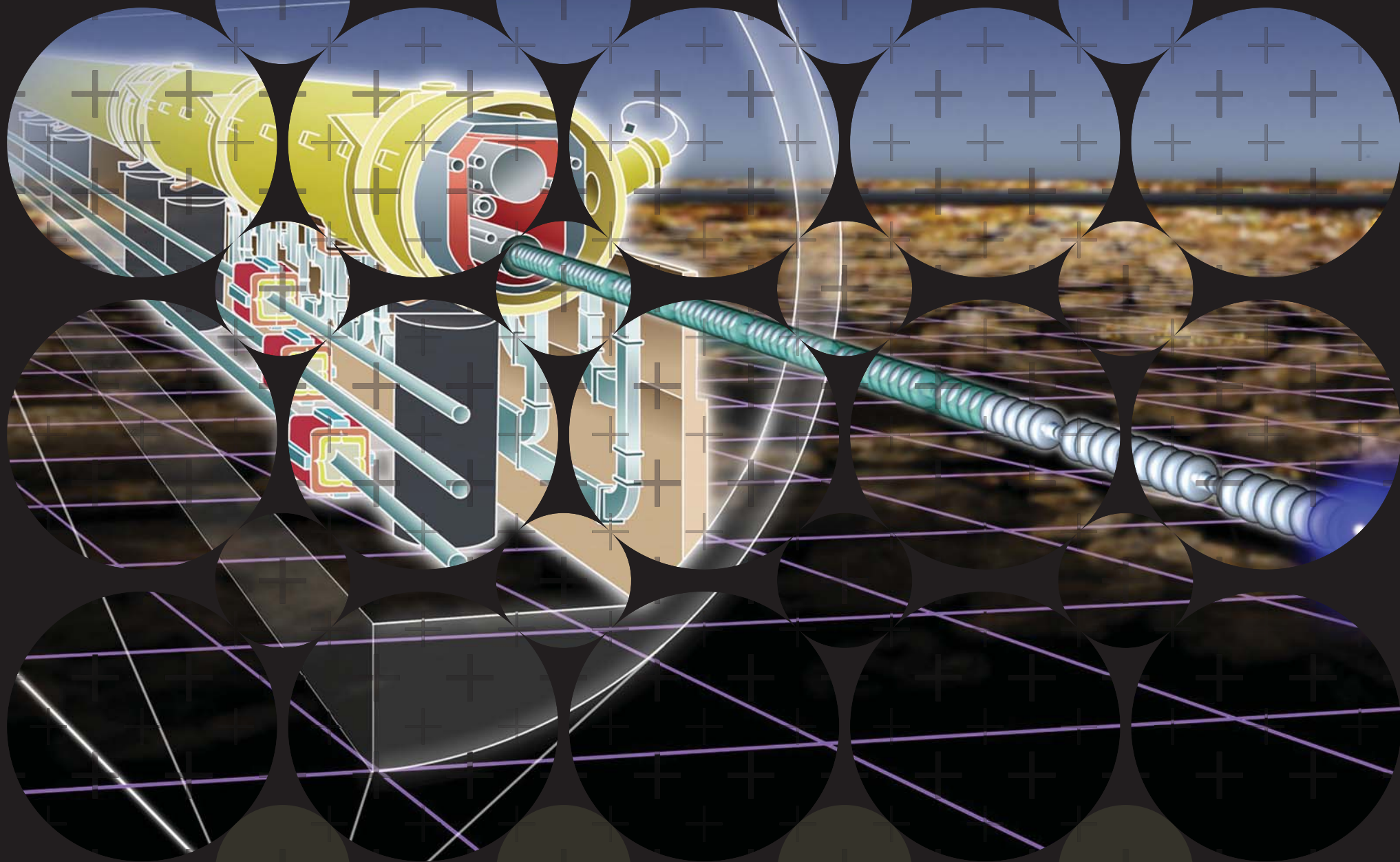


PHYSICS COLLOQUIA 2018



Since the discovery of Higgs, the high energy physics community is facing a key question:

What is next ?

Indeed there are still many issues of physics to be resolved and the Standard Model is not complete and final.

I will try to answer the question by summarizing efforts in the last 30 years in the world and elaborate new initiatives.

In particular, the Chinese proposal to build a circular $e+e-$ Collider(CEPC) as a Higgs factory followed by a super proton-proton Collider(SPPC) with a center-of-mass energy of 100 TeV is very attractive.

I will introduce this project as well as the design progress and the R&D plan.

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The future of high-energy physics



UNIVERSITÀ DEGLI STUDI DI MILANO
DOTTORATO DI RICERCA IN FISICA
ASTROFISICA E FISICA APPLICATA

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