



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES
Département de physique
nucléaire et corpusculaire

SÉMINAIRE DE PHYSIQUE CORPUSCULAIRE

SUJET: Future Colliders for Particle Physics

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LIEU: Ecole de physique, Grand Auditoire A
24, Quai Ernest-Ansermet, Genève

RÉSUMÉ:

I will present a perspective of energy-frontier colliders in the 21st century. After a brief historical review, several proposed next-, next-next- and next-next-next-generation circular and linear e+e-, hadron and muon colliders and their underlying technologies are introduced. Looking beyond, possible routes for dramatic future performance improvements or transformational mitigation, novel technologies, additional breakthrough applications, and ultimate limitations are discussed. Finally, I will confront the audience with a couple of challenges

INFORMATION : <http://dpnc.unige.ch/seminaire/annonce.html>
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