Contribution ID: 27 Type: not specified

Challenges for Particle Detectors at Future Circular Colliders

Wednesday 2 December 2015 09:35 (35 minutes)

The

Future

Circular

Collider

(FCC)

is

an

integral

conceptual

design

study

for

post - LHC

particle

accelerator

options

in

a

global

context.

It

is

exploring

the

potential

of

hadron

and

lepton

circular

colliders,

performing

an

in - depth

analysis

of

infrastructure

and

operation

concepts

and

considering

the

technology

research

and

development

programs

that

would

be

required

to

build

a

future

circular

collider

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Α

conceptual

design

report

will

be

delivered

before

the

 $\quad \text{end} \quad$

of

2018

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in

time

for

the next

update

of

the

European

Strategy

 $\quad \text{for} \quad$

Particle

Physics

•

This

talk

will

give

an

overview

of

the

FCC

studies

and

present

specific

aspects of

experiments

and

detectors

at

the

100

TeV

hadron collider that is a key part of this study.

Presenter: RIEGLER, Werner (CERN)

Session Classification: Future Detectors & New Irrad Facilities