



# Brainstorming discussion

## Interests and priorities for future collaboration on theory/phenomenology/physics analysis

### TYL-FJPPL present (2017)

HEP\_01 ILC top  
HEP\_02 SiW CAL  
HEP\_04 cosmological test of fund. Phys. (th)  
HEP\_06 charged lepton flavour violation (th)

FLAV\_01 Characterization of the superKEK beam induced bckgnd (Belle 2 commissioning)  
FLAV\_02 Flavour physics and theoretical challenges for precision (mix th - exp)

HAD\_01 ALICE measurements of jets and photons  
HAD\_02 ALICE forward upgrade di-muon measurement

NU\_04 WA105 related R&D  
NU\_05 precision neutrino Xsection measurements modeling for LBL

MU\_01 Comet (J-PARC, g-2/EDM)

ASTRO\_02 mapping the CMB polarization (JAXA LiteBIRD satellite mission - and simmons array)

### FKPPL present (2017)

ALICE  
ALICE-B

CMSIL  
CMSRPC

GPD Hadronic physics  
MUONS muon physics (g-2)  
NEUTRINOS

COMPHS (th)  
BEYONDSM (th)  
FNPES (th)  
H-POTENTIAL (th)  
LYAWDM (cosmology th/observation)



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TYL-FJPPL future (develop/encourage/advertise) ?

Neutrinos physics

Belle 2 Physics

Muons

LHC physics (ALICE, ATLAS)  
- physics analysis (ALICE, ATLAS?)  
- phase 2 upgrades (ATLAS ?)

Physics at future accelerators (ILC ...)

Dark Matter searches ?

Astroparticles, Cosmology

Gravitational Waves (LIGO/VIRGO/KANGA?, LISA ?) ?

common exp/pheno/theor projects ?

Others ?

FKPPL future (develop/encourage/advertise) ?

Neutrinos physics

Hadronic Physics (GPD)

Muons

LHC physics (ALICE, CMS)  
- physics analysis (ALICE, CMS)  
- phase 2 upgrades (CMS)

Physics at future accelerators (ILC ...)

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Others ?