

Nufact 2016

Working group 4: Muon physics

Plan 2016

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Muon Physics and Neutrino factories

- Same ν/μ production mechanism
- A neutrino factory is also a muon factory and viceversa
- Probes for physics behind standard model
- Is there a hidden connection between muon and neutrino physics?

Guide lines 2016

- Neutrino/Muon Physics:

What overlaps exist in non-standard interactions?

How would these manifest in both the near term muon/precision measurements sector & in the neutrino sector?

- Beam/Machine Design:

How can we improve experiments without increasing the beam power?

Cooled muon beams w/ phase rotations?

New methods?

- Program Planning:

How do you support the physics needs for both DC and pulsed (high sculpted) beam structures in the planning (and cost) of new facilities?

Color code:   

WG4 - Review talks

Plenary session 8 Thursday (25 August) 8:30-10:15

Theoretical and experimental review

On the interrelationship among neutrino physics, leptonic $g-2$, EDMs
and lepton flavor violation
M. G. Pruna (PSI, Switzerland)



40+5

Review of experimental status on cLFV experiments
S. Mihara (KEK, JAPAN)



25+5

Review of experimental status on precision muon physics
P. Winter (Argonne, USA)



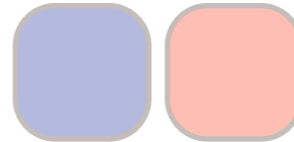
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WG4 - Parallel sessions

Session 1 Monday 15:30 -17:00

muon cLFV experiments

MEG: M.Venturini (INFN Pisa)



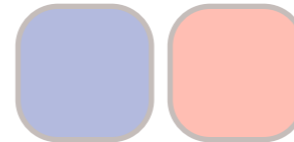
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MEGII and Mu3e: A Papa (PSI)



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COMET: Y. Yuan (IHEP)



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WG4 - Parallel sessions

Session 2 Tuesday 10:45 - 12:15

cLFV at colliders

LHCb: F. Lionetto (Uni ZH)



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cLFV-ATLAS: E. Shabalina (CERN)



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cLFV-CMS: U.K. Yang (Seoul N. Uni)



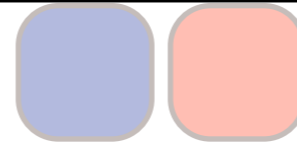
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WG4 - Parallel sessions

Session 4 Wednesday 10:45 - 12:15

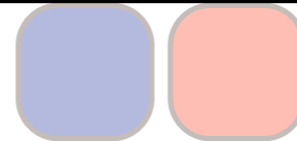
cLFV with hadrons

NA62: G. Anzivino (INFN PG)



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BESIII: Minggang ZHAO (Nankai Univ.)



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WG4 - Parallel sessions

Session 5 Thursday 10:45 - 12:15

precision physics and EDMs

g-2 and EMD at JPARC: Ryo Kitamura (KEK)



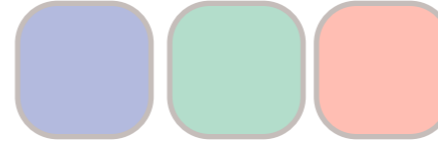
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g-2 at FERMILAB: Wes Gohn (USA)



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MuSEUM at JPARC: H.A. Torii (Tokyo)






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WG4-3; WG4-5 - Parallel sessions

Parallel session 7 Thursday 13:30-15:00

Targets, Muon Source and beam line for cLFV experiments at J-PARC:s. Mihara (KEK)		30+5
MuCool at PSI: A. Papa (PSI)		20+5

Parallel session 8 Thursday 15:30-17:00

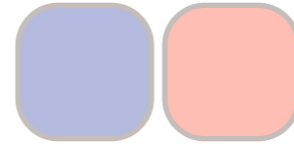
Conversions of Bound Muons: LFV from Doubly Charged Scalars:T. Geib (MPI Munich)		25+5
Electric dipole moments of charged leptons with sterile fermions: T. Toma (Orsay)		25+5
Global constraints on See Saw neutrino mixing: Josu Hernandez (Uni. Madrid)		25+5

WG4 - Parallel sessions

Session 8 Friday 10:45 - 12:15

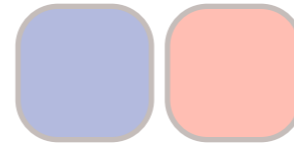
muon cLFV experiments

MuSiC: D. Tomono (Osaka)



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DeeMe: D. Nagao (KEK)



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PRISM/PRIME: J.B. Lagrange (Imperial/FNAL)



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WG4 wishing

...enjoy the session