

Mon	Tue	Wed	Thur	Friday
nEDM (Gilles)	Beta decay (Torsten)	Nnbar	Hadronic parity (Mike)	Discussion session/ov erflow
Nnbar (Dave+Anca)	nn' (Yuri, Zurab)		New ideas ? (Albert)	

+ input from ESS.

G. in contact with J. Wormersley

V. talking to Andreas/John

Ideally we have one here for a day but can also have remote participation

# Nnbar

- S. Nussinov - confirmed
- S. Gardner - confirmed
- R. Schrock - maybe
- C. Grojean – asked
- B. Dev
- Kaladi Babu
- I. Tkachev – INR
- “Project of an experiment to search for neutron-antineutron oscillations at reactor WWR-M” - A.Fomin
- DUNE/Super-K ?

Michelle Vivani, INFN: nonleptonic weak interactions in NN and few nucleon systems

Evan Berkowitz, Juelich: lattice gauge theory calculations of NN weak amplitudes

Vladimir Gudkov, South Carolina: parity odd and time reversal odd NN interactions

David Bowman, Oak Ridge: NOPTREX time reversal violation experiment and NN weak interactions

Jason Fry, Virginia: Present status of the NN weak interaction and recent results

Chris Crawford, Kentucky: NN weak interaction experiment opportunities at the ESS

I guess at this point I would like some feedback from the rest of the organizers on whether or not this is enough.

There are a couple more subjects/speakers I could add in principle. In particular I recently discovered that there is continued research on the subject of P-odd and T-odd correlations in neutron-induced fission, which offers unique insight into fission dynamics. This work was performed at the ILL in the past with cold neutrons. Researchers in this field now want to do this work with higher energy neutrons in the eV range where there are n-A resonances, and the ESS will make plenty of these neutrons. But it requires the use of fissile nuclei which might not be allowed on the ESS site.

# nn'

Zurab Berezhiani: nn' and neutron lifetime

Shmuel Nussinov: nn' theory models

Yuri Pokotilovsky/Dubna: UCN anomalous losses as possible nn' effect

Hirohiko Shimizu: neutron lifetime by appearance

Yuri Kamyshkov: nn' and neutron TMM

Klaus Kirch: future nn' experiments at PSI

Prajwal Mohan Murthy/PSI: current analysis of PSI nn' search experiment

Leah Broussard: plans for nn' search at HFIR

Anatoly Serebrov: plans for nn' search at WWRM UCN source

Riccardo Biondi: analysis of nn' experiments

Speaker TBD: sensitivity of HIBEAM at ESS/ANNI to nn' search

I would like to propose the following talks:

History and present situation with neutron lifetime measurements – A.Serebrov

Project of UCN source at WWR-M reactor and scientific program - A.Serebrov

“Project of an experiment to search for neutron-antineutron oscillations at reactor WWR-M” - A.Fomin

Best regards

Anatolii