

# STAR Collaboration Meeting (June 1-6, 2015)

1 Jun - 6 Jun, 2015

Stony Brook University (Wang Center)

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## Monday, June 1

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*JUNIOR'S DAY :: Wang Center's Lecture Hall 2 -*

[http://www.stonybrook.edu/commcms/wang/contact\\_us/visit.html](http://www.stonybrook.edu/commcms/wang/contact_us/visit.html) :: 09:00-18:00

09:20-09:30	Warm Welcome + Kickoff	Sacha Kopp
09:30-10:00	Spokesperson Welcome	Zhangbu Xu
10:00-10:30	Educational project for the STAR experiment	Nikita Sidorov
<b>10:30-11:00</b>	<b>Coffee Break</b>	
11:00-11:40	Pico Heavy Flavor Analysis Library	Mustafa Mustafa & Jochen Thaeeder
11:40-12:10	Probing the Emergent Properties of QGP at RHIC	Paul Sorensen
<b>12:10-14:00</b>	<b>Lunch (on Your Own)</b>	
14:00-14:30	STAR Phonebook upgrade & Talk Statistics	Prashanth Shanmuganathan
14:30-15:00	Net Kaon fluctuation	Amal Sarkar
15:00-15:30	Au + Au Fixed Target Collisions at STAR	Kathryn Meehan
<b>15:30-16:00</b>	<b>Coffee Break</b>	
16:00-16:30	Introduction to STAR software and makers	Leszek Kosarzewski
16:30-17:00	Use of machine learning (TMVA) for D0 reconstruction	Jonathan Bouchet
17:00-17:30	Forward Spin Physics with the FMS	Christopher Dilks
17:30-18:00	Calibration of the Barrel EMC	Kevin Adkins
<b>18:00-21:01</b>	<b>Bbq-postponed To Wednesday</b>	

*TRACKING FOCUS GROUP :: Room-412 in Chemistry building :: 18:00-19:45*

17:58-17:59	Charge from Spokesman	
17:59-18:00	Chemistry Bldg Location	
18:00-18:20	TPC Rate Increase for FY16 and beyond	Tonko
18:20-18:40	iTPC status/plans	Irakli
18:40-19:00	Tracking etc in Offline Reco	(Yuri)/Spiros
19:00-19:20	HLT status/plans	Hongwei
19:20-19:40	Roundtable on Timelines and Goals	(All)
19:40-20:00	Track Reconstruction Upgrade Proposal/Idea	Dmitri Arkhipkin
20:00-20:20	Tracking Review Pages [Akio]	

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## Tuesday, June 2

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*HEAVY FLAVOR :: Wang Center Room 301 :: 08:30-12:30*

08:30-09:00	Low pT NPE in Run12 p+p 200 GeV	Shenghui Zhang - EVO
09:00-09:30	NPE in Run12 MB p+p 200 GeV	Xiaozhi Bai
09:30-10:00	NPE in Run12 Central U+U 193 GeV	Katarina Gajdosova - EVO
10:00-10:30	J/psi in Run12 Central U+U 193 GeV	Jana Fodorova
10:30-10:50	Coffee Break	
10:50-11:15	NPE in Run14 Au+Au 200 GeV - Data	Kunsu Oh - EVO
11:15-11:40	NPE in Run14 Au+Au 200 GeV - Simulation	Xiaozhi Bai
11:40-11:50	Break (Room Change to 201)	

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**Tuesday, June 2, cont-d**

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11:50-12:10 D0 v2 in Run14 Au+Au 200 GeV Hao Qiu (BlueJeans)  
12:10-12:30 J/psi v2 in Run11+Run12 Au+Au 200 GeV - cancelled Feng Zhao

*PWG MEETINGS :: TBD :: 09:00-17:30*

*BULKCORR-LF-HF JOIN MEETING: 14.5 GEV RELATED DATA ANALYSIS*

*HTTPS://BLUEJEANS.COM/587312854 :: Wang Center, Room 201 :: 09:00-18:00*

08:30-08:50 "pi,K,p spectra at 14.5 GeV" [BlueJeans] Debadeepti Mishra  
08:50-18:00 "The v2 measurement of identified particle from 14.5 GeV Au+Au collisions" Shusu Shi  
[BlueJeans]  
09:10-18:40 "Beam Energy Dependence of Kaon v1 (including updates from 14.5 GeV result)" Yadav Pandit  
09:30-19:20 "phi-meson v1 from BES" Subhash Singha  
09:50-20:00 "v1 of Lambda and Kshort, including 14.5 GeV and UrQMD analysis" Prashanth  
Shanmuganathan  
10:10-20:40 "Beam energy dependence of two- and three-particle correlations" Paul Sorensen  
10:30-21:20 break  
10:50-22:00 "centrality at 14.5 GeV" Daniel Brandenburg  
11:10-22:40 "Rapidity dependence of pion and proton spectra" Chris Flores  
11:30-23:20 "Charged hadron R\_CP at 14.5 GeV" Stephen Horvat  
11:50-00:00 "Status of D0 v2" [BlueJeans] Hao Qiu  
12:10-00:40 J/psi v2 Feng Zhao

*JETCORR :: TBD :: 09:00-18:00*

09:00-09:45 h-jet analysis run 11 Alexander Schmah  
09:45-10:30 h-jet analysis 62.4 GeV Jinlong Zhang  
10:30-10:50 Orange juice break  
10:50-11:35 Inclusive jet spectra in Au+Au Jan Rusnak  
11:35-12:20 Energy balance A\_J Kolja Kauder  
**12:20-14:00 Lunch (on Your Own)**  
14:00-14:45 Away-side jet correlation analysis Kun Jiang  
14:45-15:30 Direct photon and charged hadron azimuthal correlations Nihar Sahoo  
**15:30-15:50 Coffee Break**  
15:50-16:35 Status of the 200 GeV Au+Au Transverse Momentum Correlations Lanny Ray

*ULTRA - PERIPHERAL COLLISIONS PWG :: TBD :: 09:00-18:00*

*SPIN PWG :: Rm. 101 :: 09:00-17:30*

09:00-09:30 Lambda Analysis Jincheng Mei  
09:30-10:00 pi0/jet correlations Yaping Wang  
10:00-10:30 Update on Run13 dijets Danny Olivitt  
**10:30-11:00 Coffee Break**  
11:00-11:30 Exclusive Reactions in pp Elke Aschenauer  
11:30-11:45 Paper Status: Inclusive Forward Pi0 A\_N Yuxi Pan  
11:45-12:00 Paper Status/Analysis Plan EM Jets Mriganka Mouli Mondal  
12:00-12:30 Collins at 200 GeV Kevin Adkins  
**12:30-14:00 Lunch**  
14:00-14:30 FMS/Preshower Status Stephen T/Oleg/Akio  
14:30-15:00 Early Stage FMS Analysis Chris Dilks  
15:00-15:30 Early Stage FMS Analysis: pp vs pAu Steve Heppelmann  
**15:30-16:00 Coffee Break**  
16:00-16:30 IFF @ 500 GeV Mike Skoby

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## Tuesday, June 2, cont-d

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16:30-17:00	IFF @ 200 GeV	Keith Landry
<i>BULKCORR-LF JOIN MEETING: 14.5 GEV RELATED DATA ANALYSIS :: TBD :: 13:50-15:30</i>		
13:50-04:00	Net-Q distributions from 14.5 GeV AuAu collisions	Jochen Thaeuder
14:10-04:40	Energy dependence of net-Kaon multiplicity distributions	Ji Xu
14:30-05:20	Energy Dependence of Moments of Net-proton Multiplicity Distributions at RHIC Including the results from 14.5 GeV	Xiaofeng Luo
14:50-06:00	Charge-dependent flow in Cu+Au collisions	Takafumi Niida
<i>HEAVY FLAVOR :: Wang Center Room 301 :: 14:00-18:05</i>		
14:00-14:25	D0 Reconstruction in Run14 Au+Au 200 GeV	Guannan Xie
14:25-14:50	D0 studies in Run14 Au+Au 200 GeV	Liang He
14:50-15:15	D0 with TMVA in Simulation - cancelled	Jonathan Bouchet
15:15-15:40	D0 TMVA KFparticle in Run14 Au+Au 200 GeV	Amilkar Quintero
15:40-16:00	Coffee Break	
16:00-16:25	Ds production in Run14 Au+Au 200 GeV	Long Zhou
16:25-16:50	Ds->phi+pi in Run14 Au+Au 200 GeV	Md Nasim
16:50-17:15	D+ and D- in Run14 Au+Au 200 GeV	Michael Lomnitz
17:15-17:40	Lambda_c in Run14 Au+Au 200 GeV	Jochen Thaeuder
17:40-18:05	Lambda_c Studies	Miroslav Simko
<i>LFS PARALLEL SESSION - I :: TBD :: 14:00-18:00</i>		
14:00-14:30	Fixed target results	Kathryn Meehan
14:30-15:00	Rcp in Au+Au at 14.5 GeV	Daniel Brandenburg
15:00-15:30	Omega/Phi spectra at 14.5 GeV data	Liwen Wen
<b>15:30-16:00</b>	<b>Coffee Break</b>	
16:00-16:30	BES dielectron spectra	Yi Guo
16:30-17:00	Dielectron study in Au+Au 27 GeV	Joey Butterworth
17:00-17:30	Muonic atom analysis and paper status	Kefeng Xin
17:30-18:00	LFS papers' status	All
<i>BULKCORR <a href="https://bluejeans.com/587312854">HTTPS://BLUEJEANS.COM/587312854</a> :: TBD :: 15:10-18:00</i>		
15:10-06:40	Measurement of interaction between anti-protons	Zhengqiao Zhang
15:20-07:10	(Anti)Lambda Correlations	Isaac Upsal & Mike Lisa
15:50-08:00	Net-kaon higher moments analysis for the search of QCD critical point	Amal Sarkar
16:10-08:40	Cumulant in Small Systems in dAu Collisions	Hongwei Ke
16:30-09:20	Updates of chiral effects measurement	Liwen Wen
16:50-10:00	Probing azimuthal and radial flow with di-hadron correlations	Liao Song
17:10-10:40	"Detecting Local Parity Violation through mulit-particle correlations"	Nuggehalli Ajitanand
17:30-11:20	An Update on the pT Correlations Study at 19.6 GeV	David Garand
17:50-18:10	"K0 v2 from run14"	Zhaozhong Shi
<i>RECEPTION :: Hilton Garden Inn :: 18:30-20:30</i>		

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## Wednesday, June 3

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### *HEAVY FLAVOR :: Wang Center Room 301 :: 08:30-12:00*

08:30-08:55	Charm correlations in p+p 500 GeV	Long Ma
08:55-09:20	Update of Upsilon in p+p 500 GeV	Leszek Kosarzewski
09:20-09:45	Update on J/psi polarization studies in p+p 500 GeV	Barbara Trzeciak
09:45-10:05	J/psi Production and Polarization in p+p at RHIC Energies	Michal Sumbera
10:05-10:30	J/psi analysis using MTD in p+p 500 GeV	Rongrong Ma

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**Wednesday, June 3, cont-d**

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10:30-10:50	Coffee Break	
10:50-11:10	J/psi in BES - paper status	Wangmei Zha - EVO
11:10-11:30	Upsilon in Run12 U+U 193 GeV - paper status	Robert Vertesi - EVO
11:30-11:50	NPE in Run10 Au+Au 62.4 GeV - paper status	Mustafa Mustafa

**LFS PARALLEL SESSION - II :: TBD :: 08:30-18:00**

08:30-09:00	BES strangeness analysis and paper	Xianglei Zhu (SeeVogh)
09:00-09:30	Strangeness analysis updates in Au+Au 14.5	Usman Ashraf (SeeVogh)
09:30-10:00	Deuteron production analysis	Ning Yu (SeeVogh)
10:00-10:30	Centrality dependence of direct virtual photon production	Chi Yang (SeeVogh)
<b>10:30-11:00</b>	<b>Coffee Break</b>	
11:00-11:30	Self similarity from BES	Armen/Mikhail (SeeVogh)
11:30-12:00	Quark Matter abstract discussions	All
<b>12:00-14:00</b>	<b>Lunch Break (on Your Own)</b>	
14:00-16:30	LFS+HF joint session (scroll down for the agenda)	
16:30-17:00	Di-electron analysis in Run12 U+U 193GeV	Shuai Yang
17:00-17:30	Strangeness analysis in U+U 193 GeV	Srikanta Tripathy
17:30-18:00	Quark Matter abstract discussions - II	All

**BULKCORR [HTTPS://BLUEJEANS.COM/587312854](https://bluejeans.com/587312854) :: Wang Center, Lecture Hall 1 :: 08:40-12:00**

08:40-17:40	Charge particle v 2 in Au+Au collisions [BlueJeans]	Vipul Bairathi
09:00-18:20	"Charge Asymmetry Correlations in BES." [BlueJeans]	Biao Tu
09:20-19:00	"Measurement of Off-diagonal Susceptibilities of BES" [BlueJeans]	Arghya Chatterjee
09:40-19:40	"Bose-Einstein correlations of charged kaons in $p+p$ collisions measured with the STAR detector" [BlueJeans]	Grigory Nigmatkulov
10:00-20:20	"Unlike-sign kaon femtoscopy in Au-Au collisions"	Jindrich Lidrych
10:20-21:00	"Charged kaons femtoscopy for BES"	Martin Girard
10:40-21:40	"Two-pion interferometry in ultra-central U+U and Au+Au collisions"	John Campbell
11:00-22:15	Break	
11:15-11:35	"Average Transverse Separation of p and pbar through Femtoscopic Analysis versus Collision Energy" [BlueJeans]	Andrew Peterson
11:35-23:30	"Pion-kaon Femtoscopy" [cancelled]	Katarzyna Poniatowska
11:55-00:10	"Proton Femtoscopy"	Sebastian Siejka
12:15-12:35	On fluctuation in event-by-event proton distribution	Roli Esha

**PWG MEETINGS :: TBD :: 09:00-17:30****HEAVY FLAVOR :: Wang Center Room 301 :: 09:00-18:00**

17:00-18:00	Discussion on QM15 Abstracts	Round Table
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**ULTRA - PERIPHERAL COLLISIONS PWG :: TBD :: 09:00-18:00**

10:30-12:00	Rho paper and analysis status	Ramiro Debbe
<b>12:00-13:00</b>	<b>Lunch Break</b>	
13:00-13:45	Some new aspects of pi+pi- final states	Spencer Klein
13:45-14:15	Update on J/psi photo-production with full chain correction	Chanaka DeSilva
14:15-15:00	RP alignment in run 2015	Bogdan Pawlik
<b>15:00-15:30</b>	<b>Coffee Break</b>	
15:30-15:50	Central Exclusive Production with forward protons tagging in Run 15	Rafal Sikora
16:00-16:30	SDT in Run 15	Lukasz Fulek
16:30-16:50	Feasibility Studies of the Exclusive Diffractive Bremsstrahlung Measurement at RHIC Energies	Lukasz Fulek
16:50-17:20	RP run 2015 analysis discussion	Wlodek + All

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## Wednesday, June 3, cont-d

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### *SPIN PWG :: Rm. 101 :: 09:00-18:00*

09:00-11:00	Jet Systematics Discussion	Brian Page/Grant Webb
<b>10:40-11:00</b>	<b>Coffee Break</b>	
11:00-11:30	Vertex Finder Update	Grant Webb
<b>11:30-14:30</b>	<b>Lunch</b>	
14:30-15:00	2012/500 Dijet analysis	Suvarna Ramachandran
15:00-15:30	Dijets in the endcap	Ting Lin
<b>15:30-16:00</b>	<b>Coffee Break</b>	
16:00-16:30	Update on Run9 inclusive jet paper (theory curves)	Bernd Surrow/Xuan Li
16:30-17:00	Update on Run 13 W AL analysis	Jiinlong Zhang/Devika Gunarathne
17:00-17:30	Update on Run 13 Charged W Cross Section Ratio Analysis	Matt Posik

### *BULKCORR PWG QM2015 ABSTRACT DISCUSSIONS [HTTPS://BLUEJEANS.COM/587312854](https://bluejeans.com/587312854) :: Wang Center, Lecture Hall 1 :: 14:00-17:30*

14:00-14:20	Detecting Local Parity Violation through multi-particle correlations	Nuggehalli Ajitanand
14:20-14:40	An Update on the pT Correlations Study at 19.6 GeV	David Garand
14:40-15:00	K0 v2 from run14	Zhaozhong Shi
15:00-17:30	QM2015 Abstract Discussions	All Participants

### *LF-HF JOINT SESSION :: Wang Center Room 201 :: 14:00-16:30*

14:00-14:25	Run14 AuAu dielectron	Jie Zhao (SeeVogh)
14:25-14:50	Run14 AuAu dimuon	Shuai Yang
14:50-15:15	Run14 AuAu emuon	Bingchu Huang
15:15-15:40	Run14 AuAu e-muon correlations	Qian Yang
15:40-16:05	Run 14 J/Psi Studies	Zaochen Ye
16:05-16:30	Run 14 Upsilon Studies	Rongrong Ma

### *EVENT PLANE DETECTOR MEETING :: TBD :: 15:00-18:00*

### *JUNIORS' BBQ (EVERYONE IS INVITED) :: TBD :: 18:30-21:00*

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## Thursday, June 4

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### *PLENARY SESSION I :: TBD :: 09:00-23:00*

09:00-09:08	Welcome (Chemistry Department chair)	Prof. Nicole Sampson
09:10-09:20	Introduction to APS Site Visit	Prof. Beverly Hartline
09:20-09:40	News from the Run	Bill Christie
09:40-10:00	News from the HFT	Giacomo Contin
10:00-10:20	News from the MTD	Shuai Yang
<b>10:20-10:40</b>	<b>Break</b>	
10:40-11:10	Embedding status for QM and Calibration status	Gene Van Buren
11:10-11:35	Recent Tracking development and breakthrough	Jason Webb
11:35-12:00	Software and Computing status	Jerome Lauret
12:00-12:30	QM Abstract proposals and plans	Frank Geurts
<b>12:30-12:50</b>	<b>Lunch (on Your Own)</b>	

### *PLENARY SESSION II - BLUEJEANS [HTTPS://BLUEJEANS.COM/795554904/](https://bluejeans.com/795554904/) :: TBD :: 14:00-18:00*

14:00-14:30	10 years since the White Papers -then vs now	Steve Vigdor
14:30-14:50	LRP Report - Hot QCD	Peter Jacobs
14:50-15:10	Long Range Plan Report - Cool QCD	Renee Fatemi

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## Thursday, June 4, cont-d

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**15:10-15:40**      *Caffeine Break*

15:40-16:10      BES: Physics from Run-I and Plans for Run-II

Grazyna Odyniec

16:10-16:30      News from the Roman Pots

Wlodek Guryn

16:30-16:50      News from the FPS+FMS

Steve Heppelmann

16:50-17:20      Opportunities in Forward Physics

Carl Gagliardi

*COUNCIL MEETING :: TBD :: 18:30-21:00*

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## Friday, June 5

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*THEORY PLENARY SESSION :: TBD :: 09:00-12:00*

09:00-09:45      Hydrodynamics and future measurements with the STAR detector

Derek Teaney

09:45-10:30      Transverse single-spin asymmetries and collinear twist-3 factorization

Andreas Metz

**10:30-10:50**      *Tea*

*PLENARY SESSION III :: TBD :: 11:00-12:10*

11:00-11:20      EPD Status

Isaac Upsal and Michael  
Lomnitz

11:20-11:40      iTPC Status

Flemming Videbaek

11:40-12:10      BUR Update

Zhangbu Xu + Renee  
Fatemi

*PLENARY SESSION IV :: TBD :: 14:00-18:00*

14:00-14:20      Report from the Council

Huan Huang

14:20-14:40      Status of Our Papers and PAC Report

Frank Geurts

14:40-15:00      PWG: Spin Report

Anselm Vossen

15:00-15:20      PWG: HF Report

Zhenyu Ye

15:20-15:40      HF SQM Status Report

Barbara Trzeciak

**15:40-16:10**      *Break*

16:10-16:30      HF HP Status Report

Rongrong Ma

16:30-16:50      PWG: JetCorr Report

Alexander Schmah

16:50-17:10      JetCorr HP/SQM Status Report I

Alexander Schmah

17:10-17:30      JetCorr HP/SQM Status Report II

Kolja Kauder

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## Saturday, June 6

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*PLENARY SESSION V :: TBD :: 09:00-18:00*

09:00-09:20      PWG: UPC Report

Janet Seger

09:20-09:40      PWG: BulkCorr Report

Daniel McDonald

09:40-10:00      BulkCorr SQM Status Report

Shushu Shi (by proxy)

10:00-10:20      BulkCorr HP/SQM Status Report II

**10:20-10:50**      *Water*

10:50-11:10      PWG: LFSpectra Report

Bingchu Huang

11:10-11:30      LFSpectra SQM Report

Srikanta Tripathy

11:30-11:50      LFSpectra HP

Bingchu Huang

**11:50-12:10**      *End Of Meeting*

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THE END

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