

## Session 6: QCD soft interactions

Session conveners:

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Oleg Teryaev (JINR)  
Christophe Royon (Saclay)  
Valeri Khoze (Durham)

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**Green Hall**

**Friday, July 28, 2006**

**Session I**

**09:00 – 11:00**

Chair: **Oleg Teryaev**  
Secretaries: **Vladimir Skokov**  
**Sergey Kuklin**

<b>09:00–09:15</b>	First measurement of the $\pi^+\pi^-$ atom lifetime (12+3)	<b>Ludwig Tauscher</b> (ETH Zurich)
<b>09:15–09:30</b>	New measurements of $K_{e4}$ form factors (NA48) (12+3)	<b>Lucia Masetti</b> (CERN)
<b>09:30–09:50</b>	Current status of muon $g-2$ (17+3)	<b>Simon Eidelman</b> (Budker Institute of Nuclear Physics, Novosibirsk)
<b>09:50–10:05</b>	Hadronic corrections to muon $g-2$ within instanton model (12+3)	<b>Alexander Dorokhov</b> (JINR Dubna)
<b>10:05–10:20</b>	Measurements of form factors at Babar (12+3)	<b>Selina Li</b> (SLAC)
<b>10:20–10:40</b>	Mini review on saturation and results at high energy (17+3)	<b>Cyrille Marquet</b> (SphT, Saclay)
<b>10:40–11:00</b>	Multiple interaction in perturbative QCD (17+3)	<b>Jochen Bartels</b> (University of Hamburg)

**Session II**

**11:30 – 13:00**

Chair: **Jochen Bartels**  
Secretaries: **Vladimir Skokov**  
**Sergey Kuklin**

<b>11:30–11:45</b>	Tests of QCD in final states with Charm and Charmonium hadrons at the B-factories (Babar and BELLE) (12+3)	<b>Claudia Patrignani</b> (Genova)
<b>11:45–12:00</b>	Infrared freezing of Euclidean QCD variables (12+3)	<b>Chris Maxwell</b> (Durham)
<b>12:00–12:15</b>	Jet fragmentation studies at CDF (12+3)	<b>Lester Pinera</b> (University of Florida)
<b>12:15–12:35</b>	Leading hadrons and colour reconnection studies (DELPHI) (17+3)	<b>Franz Mandl</b> (Vienna)
<b>12:35–12:50</b>	Particle production and fragmentation results from ZEUS (12+3)	<b>Anna Galas</b> (Institute of Nuclear Physics, Cracow)
<b>12:50–13:05</b>	Underlying events at CDF (12+3)	<b>Rick Field</b> (University of Florida)

**Session III****14:30 – 16:00**

Chair: **Christophe Royon**  
 Secretaries: **Vladimir Skokov**  
**Sergey Kuklin**

<b>14:30–14:50</b>	Mini-review on soft diffraction (17+3)	<b>Alexander Kupco</b> (Prague)
<b>14:50–15:10</b>	Some problems of diffractive production at high energies (17+3)	<b>Alexei Kaidalov</b> (Moscow)
<b>15:10–15:30</b>	Measurement of F2D(3) in H1 and QCD fits (17+3)	<b>Frank-Peter Schilling</b> (CERN)
<b>15:30–15:50</b>	QCD fits to diffraction (17+3)	<b>Sebastian Sapeta</b> (Jagellonian University, Cracow)
<b>15:50–16:10</b>	Diffractive final states (H1/ZEUS) (17+3)	<b>Mikhail Kapichine</b> (JINR, Dubna)

**Session IV****16:30 – 18:30**

Chair: **Valery Khoze**  
 Secretaries: **Vladimir Skokov**  
**Sergey Kuklin**

<b>16:30–16:50</b>	Leading baryons at HERA (17+3)	<b>Kerstin Borras</b> (DESY)
<b>16:50–17:10</b>	DVCS and vector meson production at HERA (17+3)	<b>Katja Krueger</b> (Heidelberg)
<b>17:10–17:30</b>	Diffractive Higgs production (17+3)	<b>Jeff Forshaw</b> (Manchester)
<b>17:30–17:45</b>	Diffraction at the Tevatron including search for exclusive events (12+3)	<b>Andrew Hamilton</b> (University of Geneva)
<b>17:45–18:05</b>	Diffractive physics and underlying events at CMS and ATLAS (17+3)	<b>Paolo Bartalini</b> (University of Florida)
<b>18:05–18:25</b>	Forward proton detectors at high luminosity at the LHC (17+3)	<b>Monika Grothe</b> (Turin)
<b>18:25–18:40</b>	Renormalisation group and hard scales in diffractive processes (12+3)	<b>Vladimir Petrov</b> (IHEP, Moscow)

Main Hall

Saturday, July 29, 2006

Session V

16:30 – 18:30

Chair: **Chris Maxwell**  
Secretaries: **Vladimir Skokov**  
**Sergey Kuklin**

<b>16:30–16:50</b>	Sum rules for hadronic elastic scattering at Tevatron, LHC and RHIC (17+3)	<b>Yogendra Srivastava</b> (Perugia)
<b>16:50–17:05</b>	New results on particle production and rare decays from NA48 (12+3)	<b>Rainer Wanke</b> (University of Mainz)
<b>17:05–17:20</b>	Analysis of the $\pi^+\pi^-\pi^+\pi^-$ and $\pi^+\pi^-\pi^0\pi^0$ final states in quasi real two photon collisions at LEP (L3) (12+3)	<b>Stanislav Nesterov</b> (Moscow)
<b>17:20–17:35</b>	Recent and future experimental evidence for exotic mesons (12+3)	<b>Igor Anikin</b> (JINR, Dubna)
<b>17:35–17:50</b>	Transversity measurements by COMPASS (12+3)	<b>Andrea Bressan</b> (INFN and Trieste University)
<b>17:50–18:05</b>	Study of gamma-gamma processes at BELLE (12+3)	<b>Hideyuki Nakazawa</b> (KEK)
<b>18:05–18:20</b>	Multiplicity difference between Heavy and Light quark (12+3)	<b>Fabrizio Fabbri</b> (Bologna)
<b>18:20–18:35</b>	Pion polarisability at COMPASS (12+3)	<b>Alexey Guskov</b> (JINR, Dubna)
<b>18:35–18:50</b>	New relations between DIS sum rules within renormalon approach (12+3)	<b>Andrei Kataev</b> (Moscow)