

The workshop series



QCD Challenges at the LHC: from pp to AA

18-22 January 2016 Hotel Montetaxco, Taxco Guerro Mexico



We are at the 4th edition

3rd International bing on QCD Challenges from pp to AA August 19-23, 2019, in Lund, Sweden 3rd International bing on QCD Challenges from pp to AA

19-23 August 2019

EGD CHALLENGES FROM pp TO AA

Goals and scientific programme



Main goals and features of the workshop:

- address QCD-related studies in different collision systems that intersect the interests of more "communities": high-energy particle physics, QGP physics, cosmic rays & astrophysics
- leave ample space for discussion, over more days even on same topics
 - time to think, time to ask and discuss twice, time to elaborate
 - opportunity to learn and develop new ideas
- stimulate active interactions among all participants
- experimentalists and theorists together

Goals and scientific programme



- 1) Initial state and ultraperipheral
- Conveners: Jesus Guillermo Contrera Nuno (Prague, CTU), Petja Paakkinen (Jyvaskyla U.), Thomas Boettcher (Cincinnati U.)
- 2) Jet production and properties in pp and in the medium

Conveners: Alba Soto Ontoso (CERN), Leticia Cunqueiro Mendez (Rome U., INFN), Martin Spousta (Charles U.)

3) Event properties and hydro in small and large systems

Conveners: Aleksas Mazeliauskas (U. Heidelberg, ITP), David Chinellato (Estadual de Campinas U., IFGW), Lucia Oliva (Catania U. and INFN)

4) Hadronization of light and heavy flavour across collision systems

Conveners: Anton Andronic (Darmstadt, GSI), Jing Wang (MIT), Peter Skands (Monash U.), Vincenzo Greco (Catania U. and INFN)

5) Energy loss and transport in the medium and in small systems

Conveners: Andrea Dainese (INFN Padova), Andreas Morsch (CERN), Francesco Prino (INFN Turin)

6) QCD and astrophysics

Conveners: Hans Dembinski (Dortmund U.), Ramona Lea (Brescia U., INFN), Saverio Mariani (CERN)

Thanks to all conveners for the effort already done!

Timetable: overview

Monday	Tuesday	Wedn	esday	Thursday	Friday
	08:50	09	:00	09:00	09:00
	Round Tables	Pler	nary	(Joint) Round Tables	Plenary
	12:30	12	:30	12:30	12:45
13:30	Lunch (free)	Lunch (free)		Lunch (free)	
	14:00	14:00	14:00	14:00	
Plenary	Plenary	Joint	Round Tables	(Joint) Round Tables	
		Round Tables			
	17:00			17:15	
40.00		40.00	40.00	17:30 Visit to Physics	
18:30		18:30	18:30	Museum	
19:30 Welcome cocktail					
	20:00 CLASH pizza	20:00 Soc	cial dinner		

Three locations

Physics Department, main building: round tables of tracks 2-3-6



Palazzo della Salute: where we are now, plenary sessions, joint round tables



Edificio Paolotti (second building of P. Department, 150 m from main one): round tables of tracks 1-4-5

Tuesday round tables: meeting point

- We are going to meet tomorrow at 8:50 am in front of the Physics Department: via Marzolo n. 8
- Local people will accompany you to the round tables room
- There are arrows around the department that help you finding the rooms
- The end time of round tables is not strict: feel free to finish earlier if you need more time for lunch





FROM on TO

Tuesday: from round tables to plenaries



- You will have time to walk around the city for free lunch from 12:30 to 14:00
- After lunch we are going to restart the plenaries at the Palazzo della Salute



	Lunch break				
00					
	Padova, Italy	12:30 - 14:00			
0	Current understanding of small-x physics and future perspectives	Cesar Luiz Da Silva			
	Padova, Italy	14:00 - 14:30			
	Overview of recent experimental results on ultraperipheral collisions	Adam Matyja			
	Padova, Italy	14:30 - 15:00			
00	Challenges in connecting GPDs to PDFs via exclusive heavy vector meson photoproduction in UPCs Chris Flett				
	Coffee break				
	Padova, Italy	15:30 - 16:00			
00	Experimental overview of exotic hadrons	Lorenzo Capriotti			
	Padova, Italy	16:00 - 16:30			
	Theory overview of exotic hadrons - their structure and production in heavy ion collisions	Su Houng Lee			

CLASH Pizza in the evening!

Wednesday: joint round tables

- Morning: plenary at the Palazzo della Salute
- First joint round table (tracks 1-3-6) at the Palazzo della Salute 14:00 to 16:00
- At the same time the other groups can have their round tables at the Physics Department
- All the groups will meet together at the Palazzo della Salute at 16:00 for the coffee break (consider time for moving from the Department)

Please prepare in advance questions/topics for the joint round tables





Wednesday: joint round tables

- Second joint round table (tracks 2-4-5) at the Palazzo della Salute 16:30 to 18:00
- At the same time the other groups can have their round tables at the Physics Department
- Social dinner in the evening!



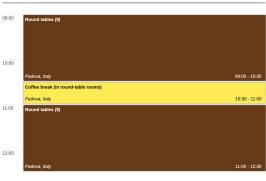




Thursday round tables

- Meeting point at 9:00 in front of the Physics Department, we will stay there for the rest of the day
- If you are interested, we can organize extra joint round table sessions just send us your proposals
 - Prefer the morning: part of the afternoon will have to be dedicated to the preparation of the final recap talks
- Guided visits to the Physics Museum at 17:30





Thu 16/02



Friday: final day



- Recap presentations at the Palazzo della Salute
- One convener per track will give the group presentation
- Some discussion time has been allocated
- Proceedings in the form of a single workshop paper



Today: welcome cocktail

CCD CHALLENCES FROM pp TO AA

- We are very glad to invite you at the welcome cocktail in the historical Caffé Pedrocchi
- After the plenary session, at 19:30 time
- 4 minutes by walk from the Palazzo della Salute

