



UCL

ZEUS news

Matthew Wing (UCL/DESY)

- ZEUS papers
- ZEUS analyses
- H1+ZEUS analyses
- Conferences
- ZEUS calendar

ZEUS papers

- ZEUS Coll., “Limits on contact interactions and leptoquarks at HERA”, DESY-19-022, Phys. Rev. D 99 (2019) 092006.
- ZEUS Coll., “Charm production in charged current deep inelastic scattering at HERA”, DESY-19-054, JHEP 05 (2019) 201.
- **ZEUS Coll., “Two-particle azimuthal correlations as a probe of collectivity in deep inelastic ep scattering at HERA”, DESY-19-174, To answer comments from JHEP referees.**
- *ZEUS Coll., “Study of proton parton distribution functions at high x using ZEUS data”, DESY-20-XYZ, Comments to post-reading being worked on. Public soon.*

ZEUS papers

Year	ZEUS	H1+ZEUS
2019	3	
2018	0	1
2017	2	
2016	4	
2015	1	2
2014	4	
2013	5	
Total	19	3

ZEUS analyses

- $\psi' / J/\psi$ in photoproduction – *already preliminary*.
- b cross sections using double tag – *already preliminary*.
- Azimuthal correlations between jet and scattered electrons – ***already preliminary, update with cross sections at this meeting.***
- Event shapes.
- Scaled momentum distributions.
- Lorentz invariance in DIS data – *presentation last time*.
- D^* mesons in CC events.
- Collective effects in photoproduction and other systems.
- Others ?

How many will become papers this year ? ZEUS: 3/4; H1+ZEUS: 1 ?



H1+ZEUS analyses

- **H1/ZEUS Coll., NNLO QCD fits with jets and extraction of α_s , preliminary for DIS 2019.**
 - H1+ZEUS meeting on Wed 19 February at 11:00 for update on NNLO QCD fits.
 - Progress has been good.
 - Aiming for release of paper in summer.

Conferences

- In 2019, according to https://www.desy.de/h1zeus/conferences/talk_list_2019.html
 - **28 H1/ZEUS talks**
 - **of which 21 by ZEUS members**
- **3 talks at DIS 2020, 23 – 27 March in New York:**
 - Azimuthal decorrelation angle studies – Amilkar Quintero.
 - Parton densities at high x – Allen Caldwell.
 - Collective effects – Katarzyna Wichmann.
- **Submitted 6 abstracts to ICHEP 2020, 30 Jul – 5 Aug in Prague:**
 - Azimuthal decorrelation angle studies.
 - Parton densities at high x .
 - Collective effects.
 - NNLO QCD jet fits (with H1).
 - Contact interactions and leptoquarks.
 - Charm in CC DIS.
- Usual other mix of conferences, ISMD, PANIC, Diffraction, etc.
 - **Let me know if you would like to attend any given conference.**

Conferences

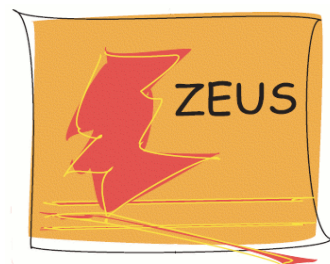
H1 and ZEUS talks at conferences in 2020

Comments and questions please to spokespersons: [S. Schmitt \(H1\)](#) and [M. Wing \(ZEUS\)](#)
 Questions about this web-page maintenance please to: [H1 webmaster](#)
[Guidelines for H1 Conference Speakers](#)

MoriondEW_2020 21.3. - 28.3.2020	55rd Rencontres de Moriond on Electroweak Interactions and Unified Theories La Thuile, Italy
MoriondQCD_2020 28.3. - 4.4.2020	55nd Rencontres de Moriond on QCD and High Energy Interactions La Thuile, Italy
DIS2020 23.3. - 27.3.2020 Amilkar Quintero (ZEUS only): Allen Caldwell (ZEUS only): NN (ZEUS only): Zhoudunming Tu (H1 only):	XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects New York, USA <i>Measurement of the azimuthal decorrelation angle between the leading jet and scattered lepton in deep inelastic scattering at HERA</i> <i>Study of proton parton distribution functions at high x</i> <i>Two-particle azimuthal correlations as a probe of collective behaviour in deep inelastic ep scattering at HERA</i> <i>Quantum entanglement of partons in the proton and a new measurement of charged particle multiplicity distributions in deep-inelastic scattering at HERA</i>
QCD20 7.7. - 10.7.2020	QCD 20 - 35 years later, 23th international conference in QCD Montpellier, France
ICHEP2020 30.7. - 5.8.2020	40th International Conference on High Energy Physics Prague, Czech Republic
ISMD2020 26.7. - 31.6.2020	50th International Symposium on Multiparticle Dynamics Pitlochry, Scotland, UK
PANIC2020 31.8. - 4.9.2020	22nd Particles and Nuclei International Conference Lisbon, Portugal
HEPMAD20 26.10. - 30.10.2020	12th high-energy physics international conference Antananarivo, Madagascar

Last changed by [sschmitt](#) at 17 Feb 2020, 08:36.

ZEUS calendar



2020 Calendar

	ZAFs
	ZEUS Collaboration Meeting
	DIS2020, New York
	ICHEP2020, Prague
	DPG, Bonn
ZEUS meetings: SR4b (Jan); SR1 (Feb, Apr); SR7a (Jun, Sep, Oct, Nov)	
	H1+ZEUS meeting Wednesdays at 14:00

January							February							March						
M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
		1	2	3	4	5						1	2			4	5	6	7	8
6	7	8	9	10	11	12	3	4	5	6	7	8	9	2	3	11	12	13	14	15
13	14	15	16	17	18	19	10	11	12	13	14	15	16	9	10	18	19	20	21	22
20	21	22	23	24	25	26	17	18	19	20	21	22	23	16	17	24	25	26	27	28
27	28	29	30	31			24	25	26	27	28	29		23	24	31				29
														30						
April							May							June						
M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
		1	2	3	4	5					1	2	3	1	2	3	4	5	6	7
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
27	28	29	30				25	26	27	28	29	30	31	29	30					
July							August							September						
M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
		1	2	3	4	5						1	2		1	2	3	4	5	6
6	7	8	9	10	11	12	3	4	5	6	7	8	9	7	8	9	10	11	12	13
13	14	15	16	17	18	19	10	11	12	13	14	15	16	14	15	16	17	18	19	20
20	21	22	23	24	25	26	17	18	19	20	21	22	23	21	22	23	24	25	26	27
27	28	29	30	31			24	25	26	27	28	29	30	28	29	30				
							31													
October							November							December						
M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
			1	2	3	4							1		1	2	3	4	5	6
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27
26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31			
							30													