

## Workshop

### "Electron-ion colliders"

**Convenors: Achim Denig and Abhay Deshpande**

#### Description

At several laboratories around the globe plans are emerging for next generation polarized electron-polarized proton and electron-ion collider facilities. Deep Inelastic Scattering as a technique has in the past proven to be highly sensitive probe of the internal structure of the nucleons and nuclei. Future high luminosity collider facilities, now under discussion, could allow even more detailed and precise study of the structure of matter.

The purpose of this workshop is to bring together experts working on the various proposals to discuss the status of the field not only in terms of the physics questions, but also accelerator & detector technology. Status and progress on the US proposals of the EIC at Brookhaven National Laboratory (eRHIC) and at Jefferson Laboratory (ELIC), the Electron Nucleon Collider (ENC) at FAIR/GSI-Darmstadt, and the LHeC at CERN will be discussed in this workshop.

Sun 27 Sep, afternoon <b>Projects and physics overview I</b> Session chair: Achim Denig		
	Speaker	Topic/tentative title
13:45 – 14:30	<a href="#">V.Litvinenko</a>	<a href="#">Electron Ion Collider (eRHIC, ELIC)</a>
14:30 – 15:15	<a href="#">A.Lehrach</a>	<a href="#">ENC@FAIR</a>

Sun 27 Sep, afternoon <b>Projects and physics overview II</b> Session chair: Achim Denig		
	Speaker	Topic/tentative title
15:45 – 16:30	<a href="#">Daniel de Florian</a>	<a href="#">Open Questions – Theory view</a>
16:30 – 17:15	<a href="#">Dietrich von Harrach</a>	<a href="#">Open Questions – Experimental view</a>
17:15		<b><a href="#">General Discussion</a></b>

Mon 28 Sep, morning <b>Perspectives I</b> Session chair: Marc Vanderhaeghen		
	Speaker	Topic/tentative title
9:15 – 9:50	<a href="#">Jörg Pretz</a>	<a href="#">Feasibility Studies ENC</a>
9:50 – 10:25	<a href="#">Harut Avakian</a>	<a href="#">Feasibility Studies EIC Nucleon Prog</a>
10:25 – 11:00	<a href="#">Matt Lamont</a>	<a href="#">Feasibility Studies EIC Ion Prog.</a>

Mon 28 Sep, morning <b>Perspectives II</b> Session chair: Marc Vanderhaeghen		
	Speaker	Topic/tentative title
11:30 – 12:05	<a href="#">Burkard Reisert</a>	<a href="#">HERA experiences: Physics Aspects</a>
12:05 – 12:40	<a href="#">Hubert Spiesberger</a>	<a href="#">Theory Tools (Rad. Corrections)</a>
12:40 – 13:15	<a href="#">Frank Maas</a>	<a href="#">Prospects for PANDA@FAIR</a>

Tue 29 Sep, morning <b>High energies and BSM aspects I</b> Session chair: Dietrich von Harrach		
	Speaker	Topic/tentative title
9:15 – 9:55	<a href="#">Uwe Schneekloth</a>	<a href="#">HERA experiences: Machine Aspects</a>
9:55 – 10:40	<a href="#">Krishna Kumar</a>	<a href="#">Parity violation and BSM Aspects</a>

Tue 29 Sep, morning <b>High energies and BSM aspects II</b> Session chair: Dietrich von Harrach		
	Speaker	Topic/tentative title
11:10 – 11:55	<a href="#">Uwe Schneekloth</a>	<a href="#">LHeC Machine</a>
11:55 – 12:40	<a href="#">Olaf Behnke</a>	<a href="#">LHeC Physics Program</a>
12:40		<b><a href="#">General Discussion</a></b>
	<b><a href="#">End of sessions</a></b>	