

EIC France 2024

Electron-Ion Collider

9-11 October
JCLab Orsay

● *Physics studies*

● *Computing opportunities*

● *Detector R&D*

● *Accelerator developments*



Context and motivation of the workshop

- **Lots of recent activity** within the EIC project and the ePIC Collaboration:
 - Detector Design Reviews, Software & Computing Reviews, pre-TDR draft...
- **French community** involved in several important contributions to EIC: theory, detector, accelerator...
- **Funding opportunities** being explored jointly by IN2P3 & IRFU

Goals of the workshop:

- Provide a forum for the French community to exchange on ongoing activities related to EIC
- Organize the community and provide better visibility internationally and within the ePIC Collaboration (similar initiatives ongoing in Europe: UK, Italy... and also in Asia: Japan, Korea, India...)



This inaugural meeting is sponsored by the French QCD network (GdR QCD), but the ambition is that it operates in an autonomous way afterwards

Agenda

jeu. 10/10

ven. 11/10

mer. 09/10

13:00

Welcome coffee
IJCLab, Orsay 13:30 - 14:00

14:00

Welcome Carlos Munoz Camacho et al.
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 14:00 - 14:10

Views from IN2P3 Marcella Grasso
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 14:10 - 14:20

Views from IRFU Anna Corsi
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 14:25 - 14:35

The ePIC detector and collaboration (remote) John Lajole
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 14:40 - 15:00

15:00

The EIC project (remote) Elke Aschenauer et al.
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 15:10 - 15:30

Coffee break Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 15:40 - 16:00

Group photo IJCLab, Orsay 15:45 - 15:55

16:00

EIC community in the UK (remote) Peter Jones
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 16:00 - 16:10

EIC community in Italy (remote) Domenico Elia
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 16:15 - 16:25

TMD physics at EIC Valerio Bertone
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 16:30 - 16:50

17:00

Exclusive processes at EIC Dr Cédric Mezrag
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 17:00 - 17:20

09:00 MicroMegas detectors for ePIC Dylan Neff
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 09:00 - 09:20

Backward EMCal in ePIC Matthew Nguyen
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 09:30 - 09:50

10:00 Roman Pots Arzoo Sharma
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 10:00 - 10:20

Coffee break Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 10:30 - 11:00

11:00 EICROC Nathalie SEGUIN-MOREAU
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 11:00 - 11:20

CALOROC Frederic DULUCQ
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 11:30 - 11:50

12:00 SALSA Damien Neyret
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 12:00 - 12:20

Lunch Cafeteria (Bât. 102), IJCLab (Orsay) 12:30 - 14:00

14:00 Computing model at EIC (remote) Markus Diefenthaler
Salle A015 (Bât. 100), IJCLab (Orsay) 14:00 - 14:15

CC-IN2P3 Infrastructure and examples of contributions to HEP experiments Eric Fede
Salle A015 (Bât. 100), IJCLab (Orsay) 14:20 - 14:40

15:00 Allen framework and possible applications in ePIC Dorothea vom Bruch
Salle A015 (Bât. 100), IJCLab (Orsay) 14:50 - 15:10

Coffee break Salle A015 (Bât. 100), IJCLab (Orsay) 15:30 - 16:00

16:00 Tracking with ACTS Corentin Allaire
Salle A015 (Bât. 100), IJCLab (Orsay) 16:00 - 16:20

Synergies with LHC: physics Michael Winn
Salle A015 (Bât. 100), IJCLab (Orsay) 16:30 - 16:50

17:00 Synergies with LHC: detector Dr Gabriel Charles
Salle A015 (Bât. 100), IJCLab (Orsay) 17:00 - 17:20

09:00 Accelerator contributions from IN2P3 Dr Guillaume OLRVY et al.
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 09:00 - 09:20

Accelerator contributions from IRFU Valerio Calvelli
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 09:30 - 09:50

10:00 The MARCO magnet Valerio Calvelli
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 10:00 - 10:20

Coffee break Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 10:30 - 11:00

11:00 PARTONS Valerio Bertone
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 11:00 - 11:20

TOPEG/Beagle Raphaël DUPRE
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 11:30 - 11:50

12:00 Jets at EIC Paul Caucal
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 12:00 - 12:20

Quarkonia at EIC Christopher Alexander FLETT
Auditorium Joliot Curie (Bât. 100), IJCLab (Orsay) 12:30 - 12:50

13:00 Lunch Cafeteria (Bât. 102), IJCLab (Orsay) 13:00 - 14:00