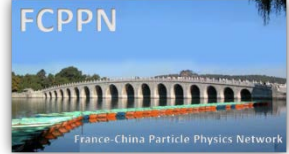


Welcome to the



France-China Particle Physics Research Network
2026 Workshop in Lyon

LIA to IRN + IRL



**FCPPN an International Research Network (IRN)
that to be combined with**

**FCPPL an International Research Lab (IRL)
hosted on the IHEP Campus in Beijing.**

A new combined Research Structure involving
over 460 collaborators all over China and France

Two intertwined CNRS collaborative tools

IRN: to make emerge and actively support
collaborative projects in general and an

IRL: to increase support to activities
deployed in China; host French colleagues
visiting Chinese labs for longer periods of
time; **enhance the possibility of submitting
proposals to calls for extra funding**

IRN + IRL

FCPPN

FCPPL Joint Lab with walls @IHEP in Beijing

More specifically for experiments deployed in China

- Neutrinos (JUNO, Submarine neutrinos,...)
- Cosmic/Gamma Rays, Dark Matter
- Future colliders and detectors

Access to funding programs not possible with an LIA or an IRN



FCPPL created on 10 Apr 2007, renewed in Apr 2011, again in Apr 2015 and as FCPPN in 2024

FCPPL Steering Committee chaired by academicians **CHEN Hesheng & Michel DAVIER**

FCPPL Directors: **SHAN Jin** [IHEP] & **Lydia ROOS** [CNRS/LPNHE] (2007 – 2011)

CHEN Gang [IHEP] (2011 – now) & **Olivier MARTINEAU** [CNRS/LPNHE] (2011 – 2017)

Eric KAJFASZ [CNRS/CPPM] (2017 – now)

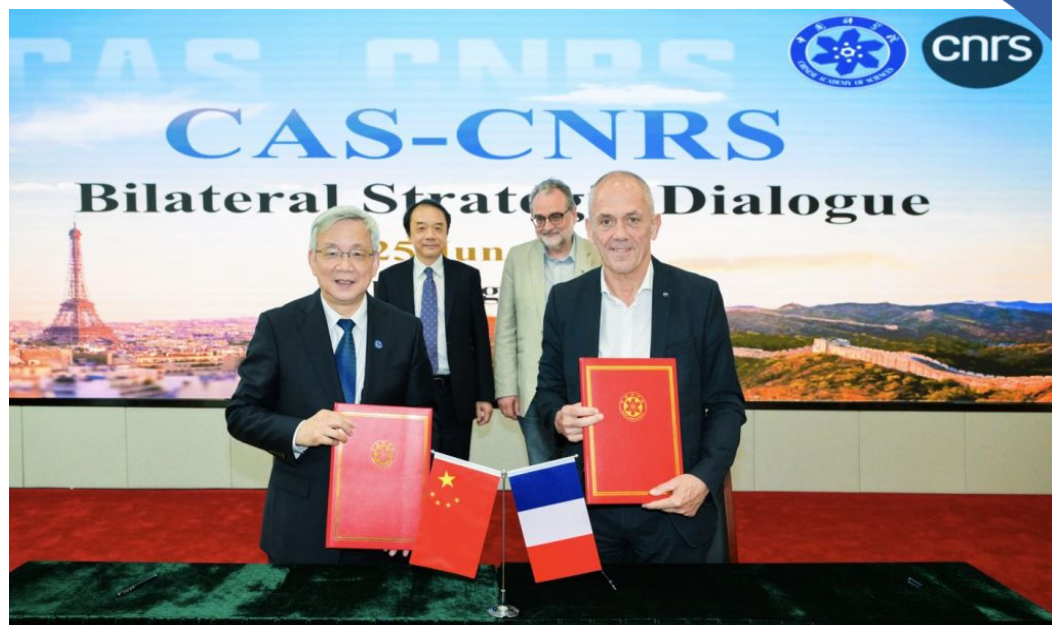
Admin. HQ: **Esthere GARNIER** (up to 2019), **Brigitte PANTAT** (2019-2024),
Paola BERTELLI (2024-now)



LIA FCPPN created on 10 Apr 2007, renewed in Apr 2011, again in Apr 2015 and:

IRN

24 Jun 2024
CAS President and
CNRS CEO
sign the FCPPN
agreement at CAS
HQ in Beijing



- **The aim of the new joint structures is to promote the cooperation between France and China in particle and astroparticle physics between research groups from about 18 French laboratories (14 universities) from all over France and research groups from CAS and from about 23 major universities in China.**
- **The IRN allows the partners to work together with the best research infrastructures in our fields, to name just a few: LHC experiments at CERN, KM3NeT in France and Italy, CTAO, LSM (Laboratoire Souterrain de Modane) in France; JUNO (Jiangmen Underground Neutrino Observatory), CJPL (China Jinping Underground Laboratory), LHAASO and GRAND in China; SVOM a common Franco-Chinese space mission, ...**
- **Relevant research fields have a broad spectrum: Particle and Hadronic Physics, Neutrino Physics, Astroparticle Physics and High Energy Astrophysics, Cosmology, Accelerator Physics, together with Theoretical Physics and (accelerator-, detector-, computing-) related technologies to participate in collaborative efforts to better understand the physics of our Universe.**

IRL FCPPL

4 Dec 2025
CAS President and
CNRS CEO
sign the FCPPL Lol at
CAS HQ in Beijing



12 Jun 2026
Deputy-Director of IHEP and CNRS Director for Science
sign the FCPPL Agreement at CNRS HQ in Paris



IRL FCPPL

FCPPL office conveniently located on the 3rd floor of the main building in the Beijing campus of IHEP, 19B Yuquan Road, Beijing 100049, China.

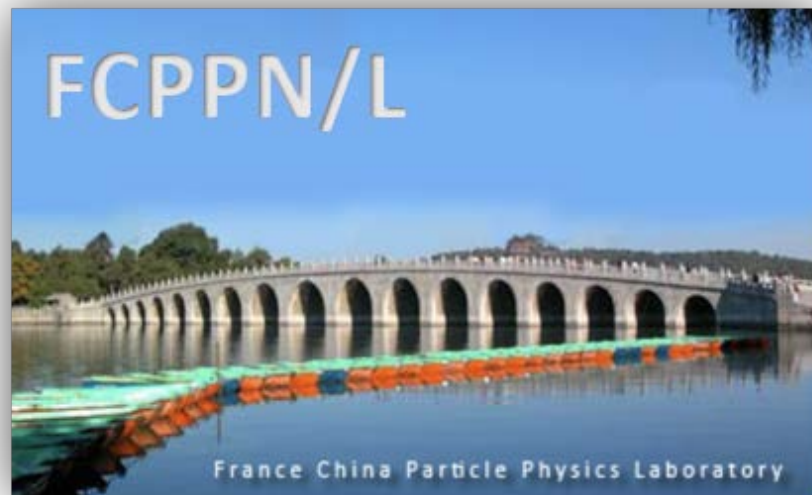


One office (Main building A301; next to IHEP Director's office) and some open office space close by to host visitors from France, are provided by IHEP to start the activities of the IRL, with possibility to consider an extension if needed and agreed by both parties.

France China Particle Physics Net/Lab (FCPPN/L)

Numbers and Facts over 460 members!

- **Web sites:** fcppn.in2p3.fr
Mailing-list: FCPPL-L@in2p3.fr
~ 30 collaborative projects funded each year
- **Yearly Workshop:**
5 day long
100+ participants
lively, dynamic and friendly community



Beijing (IHEP) 12/2006 (to prepare FCPPL)

Marseille, 01/2008

Wuhan, 03/2009

Lyon, 04/2010

Jinan, 04/2011

Orsay-Saclay, 03/2012

Nanjing, 03/2013

Clermont-Ferrand, 04/2014

Hefei, 04/2015

Strasbourg, 03/2016

Beijing (THU), 03/2017

Marseille, 05/2018

Shanghai, 04/2019

Zoom, 12/2021

Zhuhai, 11/2023

Bordeaux, 06/2024

Qingdao, 07/2025

Lyon, 06-07/2026

Wuhan, 2027

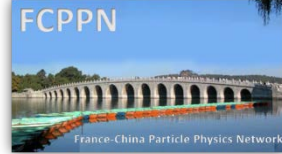
Clermont-Ferrand 2028

??? 2029

Strasbourg 2030 ?

Steering Committee on Thursday morning

FCPPN projects



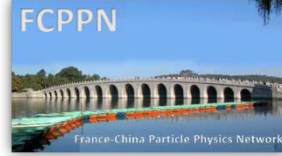
Since 2005 – some 100 PhD students shared

#projects 2024 2025 2026
27 31 41

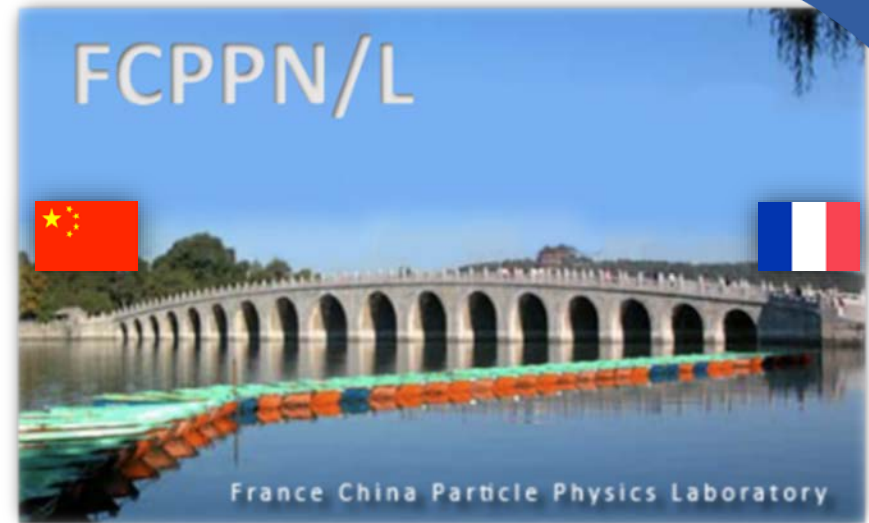
Acronyme	Titre	PI français	Laboratoire	PI chinois	Laboratoire Ch
CharmedDM	Exploring t-channel charm-philic dark matter scenarios	FUKS Benjamin	LPTHE	LIU Bingxuan	SYSU
MultiBoson	Multi-boson Physics at LHC and future machines	CHARLOT Claude	LLR	LI Qiang	PKU
aGUT	Asymptotic grand unification and phenomenology	DEANDRA Aldo	IP2I	WANG Zhi-Wei	UESTC Chengdu
BCECAL2LHCb	Bc studies and upgrade of ECAL for LHCb	ROBBE Patrick	IJCLab	ZHANG Liming	THU
4TOPNEW	Advanced measurement of four-top-quark production and search for new physics at the LHC	DELIOT Frédéric	CEA Paris-Saclay	LI Liang	SJTU
JUNOTT	Operation and maintenance of the JUNO Top Tracker	ATHAYDE MARCONDES DE ANDRÉ João Pedro	IPHC	YANG Changgen	IHEP
BEPCII MONOCHROM	Feasibility study of an experimental demonstration of a monochromatization scheme in the e+e- BEPCII at IHEP	FAUS-GOLFE Angeles	IJCLab	WANG Dou	IHEP
PICMIC	ASIC development for strip-pixel sensor	BECHETOILLE Edouard	IP2I	ZHANG Liang	SDU
JUNO ASTRO	Monitoring astrophysical sources with JUNO	SETTIMO Mariangela	SUBATECH	LI Yufeng	IHEP
CTFF	COMET Track Finding and Fitting	DA SILVA Wilfrid	LPNHE	LI Haibo	IHEP
FCCP	Future Colliders Compton Polarimeters / France China Compton Polarimeters	MARTENS Aurélien		DUAN Zhe	IHEP
KATANA	KM3NeT And TRIDENT for Astrophysical Neutrino Analyses	KOUCHNER Antoine	APC	XU Donglian	SJTU
ComSource	Compton Sources	DUPRAZ Kevin	IJCLab	YAN Lixin	THU
GRAND	The Giant Radio Array for Neutrino Detection: GP300 stage	MARTINEAU Olivier	LPNHE	ZHANG Yi	PMO/MOST
STABLE	High Level Trigger at the Belle II experiment	TRABELSI K	CPPM	ZHOU Qidong	Shandong University
cLEAN	E: Interference cleaning for gravitational wave detectors	FLAMINIO R.	LAPP	WANG M.	BNU
Gamma_hhpi zero_LHCb	Measurement of the CKM angle φ_1 in Bs decays and testing CP violation in hadron B to h+ h- π^0	TISSERAND Vincent	LPCA	QIAN Wenbin	UCAS
VTX4B2	Development of the upgraded Belle II vertex detector	BAUDOT Jérôme	IPHC	LU Yunpeng	IHEP
CO-GAIN	Collaborative Initiative for GAIN layer in MAPS	KACHEL Maciej	IPHC	SUN Xiangming	CCNU
JUNO – NMO	Measurement of neutrino mass ordering (NMO) with JUNO	BONGRAND Mathieu	SUBATECH	HUANG Junting	SJTU
MIMAC-CEvNS	Coherent Elastic Neutrino Nucleus Scattering with MIMAC	MALEK Fairouz	LPSC	Fei GAO	THU
EPDET	an SiW-ECAL optimized for e+e- collisions	BRIENT Jean-Claude	LLR	RUAN Manqi	IHEP
Neutrons_JinPing	Neutron Background characterization at JinPing	MALEK Fairouz	LPSC	YUE Qian	THU
AQUA	Associated QUArKonia production	MIZUK Roman	IJCLab	LI Hengne	SCNU
Quarkonium4AFTER	Quarkonium and quarkonium analogues studies at the LHC and future facilities	SHAO Hua-Sheng	LPTHE	MA Yan-Qing	Peking Univeristy
TCCAL	Calorimeter for future tau-charm factory	BARSUK Sergey	IJCLab	PENG Haiping	USTC
LHCbQQ	Charmonia in LHCb	BARSUK Sergey	IJCLab	HE Jibo	UCAS
JUNO-SPMT	The JUNO Small Photomultipliers Tube (SPMT) system	PERROT Frédéric	LP2i	HE Miao	IHEP
LICAR	LHC-IHEP-CPPM-ATLAS-detectorRnD	BARBERO Marlon	CPPM	WEI Wei	IHEP
TIANLAI	21cm Intensity mapping with Tianlai	PERDEREAU Olivier	IJCLab	CHEN X.	NAOC
PAP_ZHANG_BASTID_ALICE	Study of QCD matter with the ALICE detector	BASTID Nicole	LPCA	ZHANG Xiaoming	CCNU
LHCbUP	R&D for CMOS-based detector in LHCb tracking for HL-LHC	GUITTIERE M.	SUBATECH	WANG Jianchun	IHEP
PAP_SJTU_APC_HHPS	Search for HH production at the LHC	BERNARDI Gregorio	APC	YANG Haijun	SJTU
LUMINOSITY_AND_INJECTION_AT_E+e-COLLIDERS	Luminosity and injection background at SuperKEKB and future e+e- colliders	BAMBARDE Philip	IJCLab	GAO Jie	IHEP
LHC-IHEP-CPPM-ATLAS	Physics at the LHC with the ATLAS detector and associated developments	MONNIER Emmanuel	CPPM	JIN Shan	NJU
FC-COSMOS	ance-China COSmology with Multi-Object Spectroscopy	GILLARD William	CPPM	ZHAO Cheng	THU
COMPUTING_V4	TECHNOLOGIES OF HEP EXPERIMENTS DATA	KAJFASZ Eric	CPPM	QI Fazhi	IHEP
PhotoDec	Development of a new generation of MP-based photodetectors	LAKTINEH Imad	IP2I	CHEN Ping	XIOPM
SDHCAL	Development of the Semi-Digital Hadronic Calorimeter	LAKTINEH Imad	IP2I	YANG Haijun	SJTU
CMSHIGPHO	E: Higgs boson discovery and measurement with photons in CMS	GASCON Suzanne	IP2I	CHEN Guoming	IHEP

Next Call for Proposal: Dec 2026

11 June 2026: JUNO makes front page of NATURE: Congratulations!!!



**A solid bridge
for scientific collaborations
in High Energy Physics
and cultural exchanges
between our two countries**



**Also taking part in paving
roads for progress and
friendship between our
countries**

**Building a collaborative and
sustainable future for the
generations to come**

Let's work together to make this collaboration even stronger!