



The CEPC Project Status

J. Gao

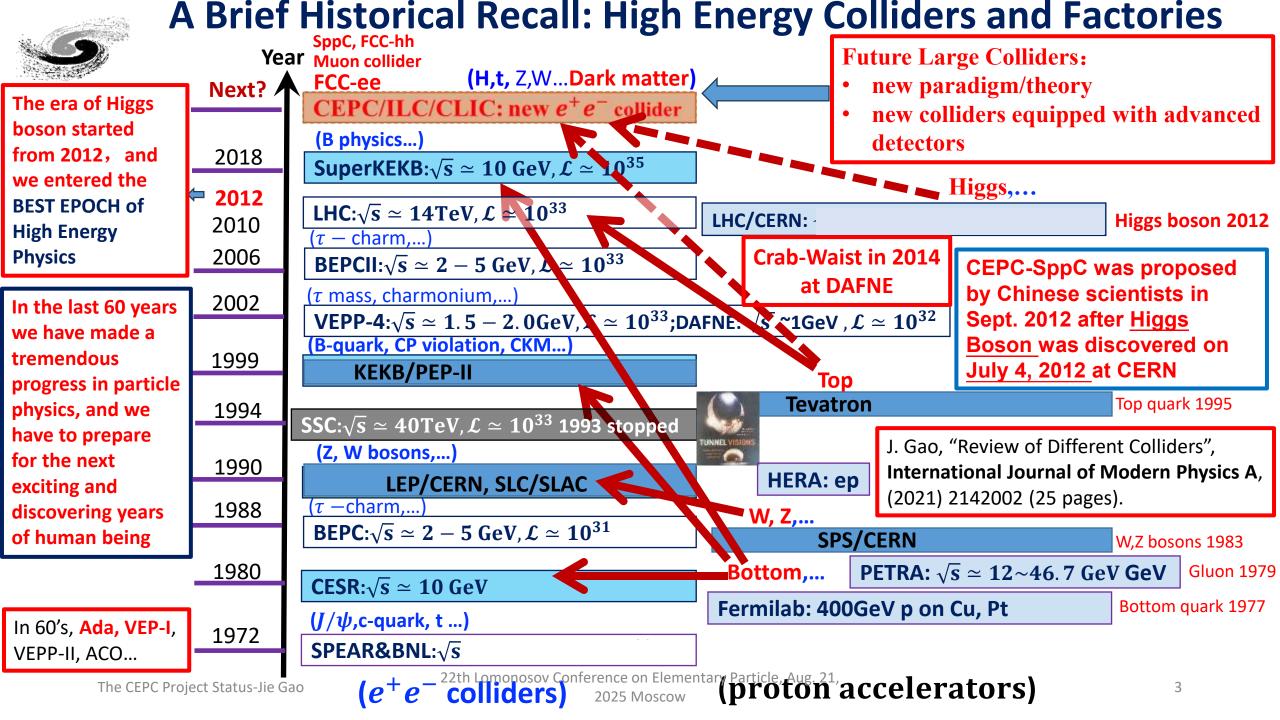
IHEP





Contents

- Introduction
- CEPC accelerator EDR progress status
- CEPC detector TDR reference design status
- CEPC EDR site investigation, implementation and construction plans
- CEPC technology industrial preparations and international collaborations
- Summary





From BEPC, BEPCII, BEPCII-U to CEPC

BEPC, the first collider in China, was completed in 1988 with luminosity 1×10³¹cm⁻²s⁻¹ @1.89GeV BEPC II was completed in 2009

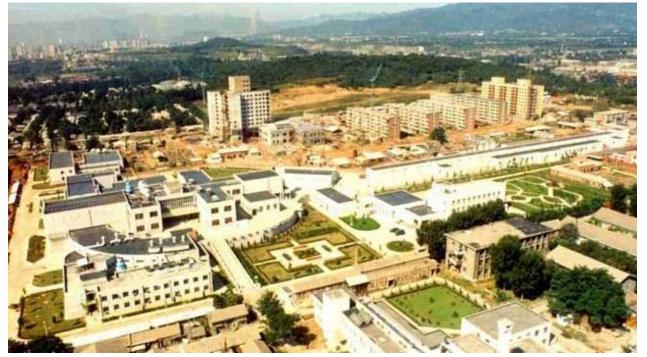
Luminosity reached on April 5, 2016: <u>10×10³²cm⁻²s⁻¹ @1.89GeV</u>

After BEPCII what is the next high energy collider?

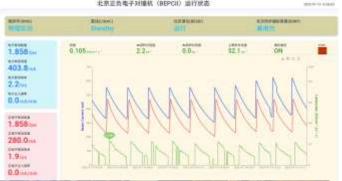
Thanks to the discovery of Higgs at LHC@CERN in July 4, 2012, the answer is clear, CEPC!







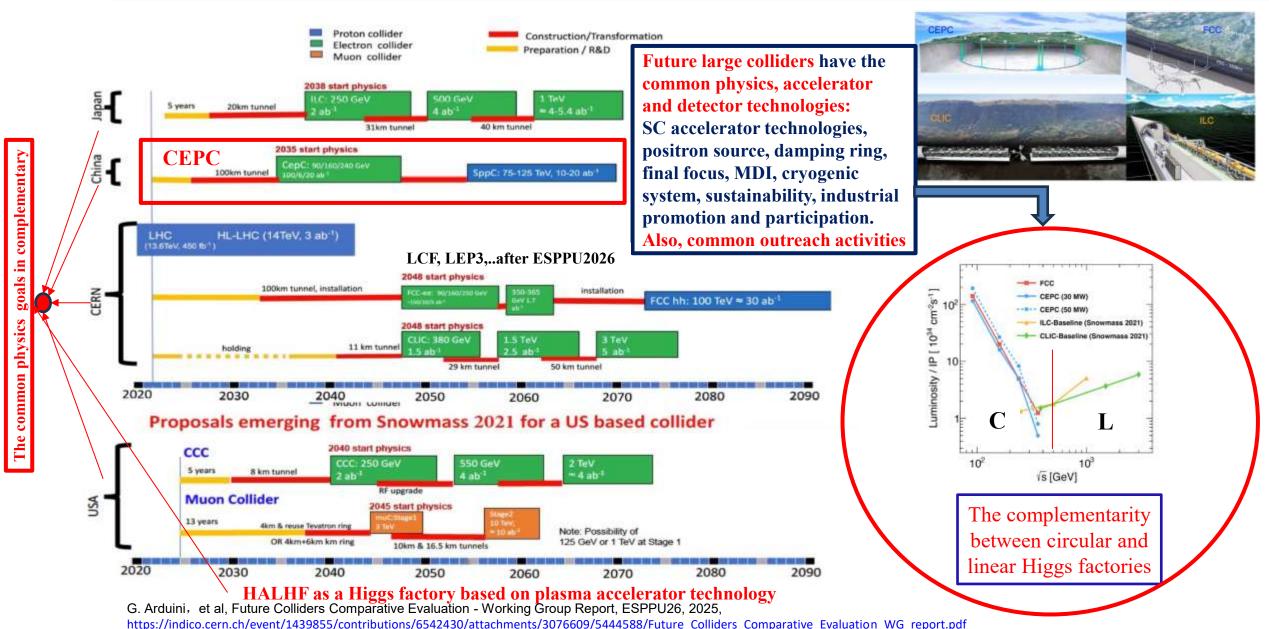
BEPCII-U under commissioning







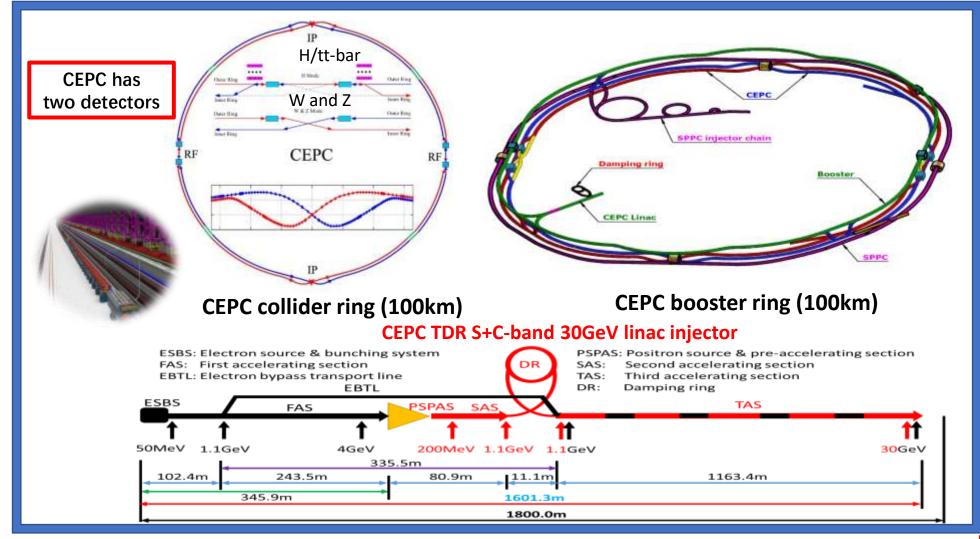
Worldwide High Energy Physics Frontier Goals Timelines and Common Efforts

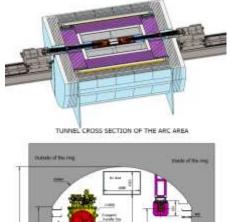




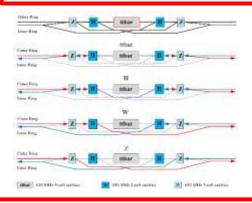
CEPC Higgs Factory and SppC Layout in TDR/EDR

CEPC as a Higgs Factory: H, W, Z, upgradable to ttbar, followed by a SppC (a Hadron collider) ~125TeV 30MW SR power per beam (upgradable to 50MW), high energy gamma ray 100Kev~100MeV





CEPC/SppC in the same tunnel



Z,W, Higgs and ttbar energies



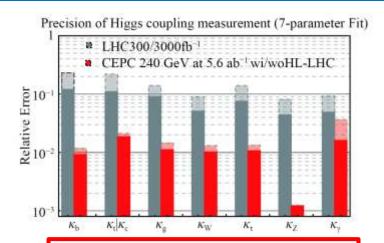
CEPC Physics Goals, Operation Plan and Goals in TDR/EDR

| (| Operation mode | ZH | Z | W+W- | tī | |
|----------|--------------------------------------------------------------|---------------------|----------------------|---------------------|-------------------|--|
| √s [GeV] | | ~240 | ~91 | ~160 | ~360 5 | |
| F | Run Time [years] | | 2 | 1 | | |
| | L / IP [×10 ³⁴ cm ⁻² s ⁻¹] | 5.0 | 115 | 16 | 0.5 | |
| MW | ∫ <i>L dt</i> [ab ⁻¹ , 2 IPs] | 13 | 60 | 4.2 | 0.65 | |
| | Event yields [2 IPs] | 2.6×10 ⁶ | 2.5×10 ¹² | 1.3×10 ⁸ | 4×10 ⁵ | |
| 50 MW | L / IP [×10 ³⁴ cm ⁻² s ⁻¹] | 8.3 | 192 | 26.7 | 8.0 | |
| | ∫ L dt [ab-1, 2 IPs] | 21.6 | 100 | 6.9 | 1 | |
| | Event yields [2 IPs] | 4.3×10 ⁶ | 4.1×10 ¹² | 2.1×10 ⁸ | 6×10 ⁵ | |

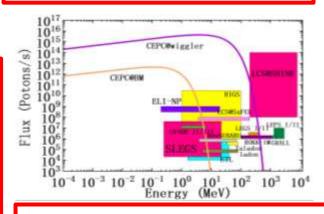
- * Higgs is the top priority for CEPC
- ** Detector solenoid field is 3 Tesla for all other energies.

CEPC physics white papers:

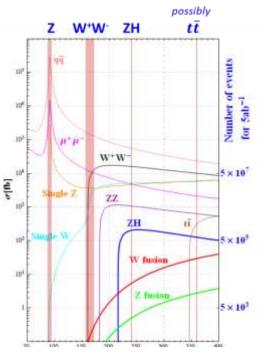
- 1: Higgs physics, Chinese Physics C Vol. 43, No. 4 (2019) 043002 https://arxiv.org/pdf/1810.09037
- 2: Flavor physics, https://arxiv.org/pdf/2412.19743 (2024)
- 3: Electroweak physics, to be published
- 4: New Physics Search at the CEPC: a General Perspective https://doi.org/10.48550/arXiv.2505.24810 (2025)
- 5: QCD, to be published

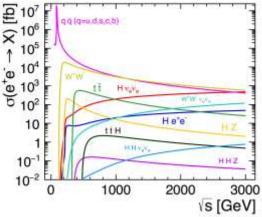


CEPC operation scenarios: Higgs 10 years, Z-pole 2 years, W 1 year, ttbar 5 years as upgrade



CEPC as high energy SR light source







CEPC Accelerator System Parameters in TDR/EDR

Linac Booster Collider

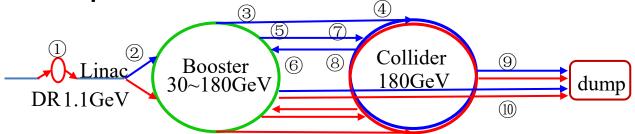
| Parameter | Symbol | Unit | Baseline | | | tt | I I | I | W | | \overline{Z} |
|---------------------|-------------------|------------------|----------------------|---------------------------|-----|--------------------|--------------------|-------------------|--------------------|-----------|----------------|
| 1 at affecter | Symbol | Unit | Dasenne | | | Off axis injection | Off axis injection | On axis injection | Off axis injection | Off axis | sinjection |
| Energy | E_{e} $/E_{e+}$ | $/E_{a+}$ GeV 30 | | Circumfer. | km | 99.955 | | | | | |
| Repetition | Le-'Le+ | 361 | | Injection energy | GeV | 30 | | | | | |
| rate | f_{rep} | Hz | 100 | Extraction energy | GeV | 180 | 12 | 0 | 80 | 4 | 5.5 |
| Bunch | | | | Bunch number | | 35 | 268 | 261+7 | 1297 | 3978 | 5967 |
| number per pulse | | | 1 or 2 | Maximum bunch charge | пC | 0.99 | 0.7 | 20.3 | 0.73 | 0.8 | 0.81 |
| Bunch | | nC | 1.5 (3) | Beam current | mA | 0.11 | 0.94 | 0.98 | 2.85 | 9.5 | 14.4 |
| charge | | | | SR power | MW | 0.93 | 0.94 | 1.66 | 0.94 | 0.323 | 0.49 |
| Energy | σ_E | | 1.5×10 ⁻³ | Emittance | nm | 2.83 | 1.2 | 26 | 0.56 | 0 | .19 |
| spread | | | | RF frequency GHz | | 1.3 | | | | | |
| 1 | | | RF voltage GV | | GV | GV 9.7 2.17 | | 17 | 0.87 | 0.87 0.46 | |
| Emittance | \mathcal{E}_r | nm | 6.5 | Full injection from empty | h | 0.1 | 0.14 | 0.16 | 0.27 | 1.8 | 0.8 |

| | Higgs | Z | W | tĪ | | | |
|------------------------------------------------------------------------|------------|-------------|-------------|-----------|--|--|--|
| Number of IPs | 2 | | | | | | |
| Circumference (km) | 99.955 | | | | | | |
| SR power per beam (MW) | 30 | | | | | | |
| Energy (GeV) | 120 | 45.5 | 80 | 180 | | | |
| Bunch number | 268 | 11934 | 1297 | 35 | | | |
| Emittance $\varepsilon_{x}/\varepsilon_{y}$ (nm/pm) | 0.64/1.3 | 0.27/1.4 | 0.87/1.7 | 1.4/4.7 | | | |
| Beam size at IP σ_x/σ_y (um/nm) | 14/36 | 6/35 | 13/42 | 39/113 | | | |
| Bunch length (natural/total) (mm) | 2.3/4.1 | 2.5/8.7 | 2.5/4.9 | 2.2/2.9 | | | |
| Beam-beam parameters ξ_x/ξ_y | 0.015/0.11 | 0.004/0.127 | 0.012/0.113 | 0.071/0.1 | | | |
| RF frequency (MHz) | 650 | | | | | | |
| Luminosity per IP (10 ³⁴ cm ⁻² s ⁻¹) | 5.0 | 115 | 16 | 0.5 | | | |

Running scenarios: Higgs 10 years, Z 2 years, W 1 year, ttbar 5 years

Factory of
4 Million Higgs
4 Trillion Z bosons
200 Million W+W-pairs
600K tt pairs

Transport lines



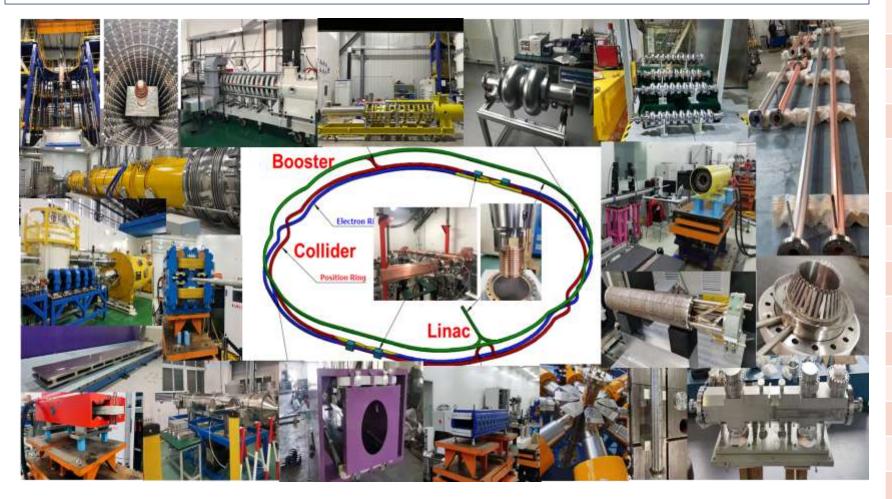
CEPC Technical Design Report (TDR) includes:

- 1) CEPC Accelerator TDR released on Dec. 25, 2023
- 2) CEPC Detector ref-TDR (reference design) has been completed and reviewed by IDRC in April 2025, and will be released in 2025



CEPC Accelerator TDR R&D Completed in 2023

- ➤ Key technologies R&D span over all components listed in CDR/TDR
- ➤ About 10% remaining (eg. RF power source, control, alignment, SC magnets, machine integration) to be completed by 2026.



- **✓** Specification Met
- ✓ Prototype Manufactured

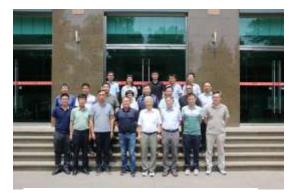
| Accelerator | Fraction |
|-------------------------|----------|
| ✓ Magnets | 27.3% |
| ✓ Vacuum | 18.3% |
| ✓ RF power source | 9.1% |
| ✓ Mechanics | 7.6% |
| ✓ Magnet power supplies | 7.0% |
| ✓ SC RF | 7.1% |
| ✓ Cryogenics | 6.5% |
| ✓ Linac and sources | 5.5% |
| ✓ Instrumentation | 5.3% |
| ✓ Control | 2.4% |
| ✓ Survey and alignment | 2.4% |
| ✓ Radiation protection | 1.0% |
| ✓ SC magnets | 0.4% |
| ✓ Damping ring | 0.2% |
| | |



CEPC Accelerator International TDR Review and Cost Review June 12-16, and Sept. 11-15, 2023, in HKUST-IAS, Hong Kong



CEPC Accelerator TDR Review June 12-16, 2023, Hong Kong



Domestic Civil Engineering Cost Review, June 26, 2023, IHEP



CEPC Accelerator TDR Cost Review Sept. 11-15, 2023, Hong Kong



9th CEPC IAC 2023 Meeting Oct. 30-31, 2023, IHEP

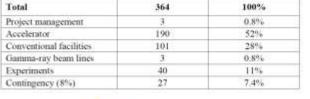
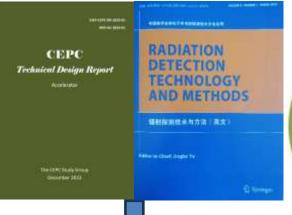
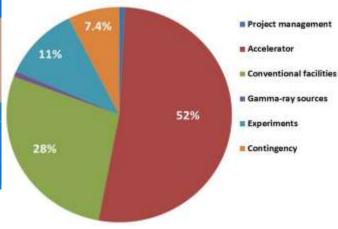


Table 12.1.2: CEPC project cost breakdown, (Unit: 100,000,000 yuan)





Distribution of CEPC Project total TDR cost of 36.4B RMB (~5.2USD)

CEPC accelerator TDR has been completed and formally released on December 25, 2023:

http://english.ihep.cas.cn/nw/han/y23/202312/t20231229_654555.html

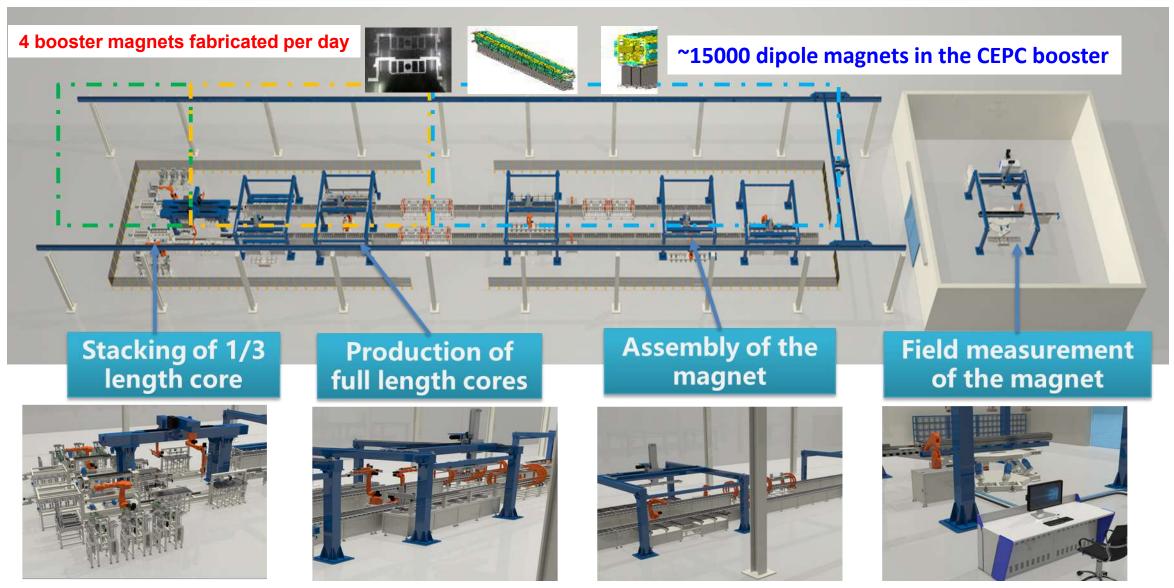
CEPC accelerator TDR has been published formally in Journal Radiation Detection Technology and Methods (RDTM) on June 3, 2024:

DOI: 10.1007/s41605-024-00463-y

https://doi.org/10.1007/s41605-024-00463-y



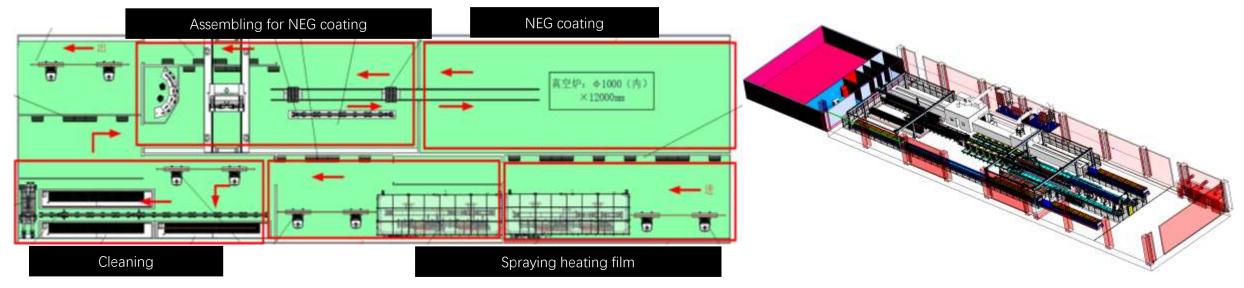
CEPC Magnet Automatic Production Line in EDR



Status: construction started, to be completed in 2025



CEPC NEG Coated Vacuum Chamber (200km) Automatic Production Line in EDR



Layout of production line









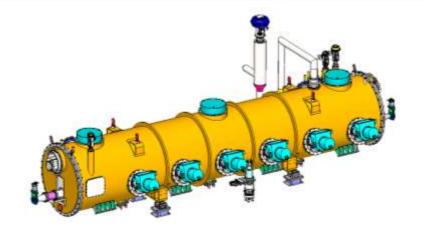
Status: construction started, to be completed in 2025



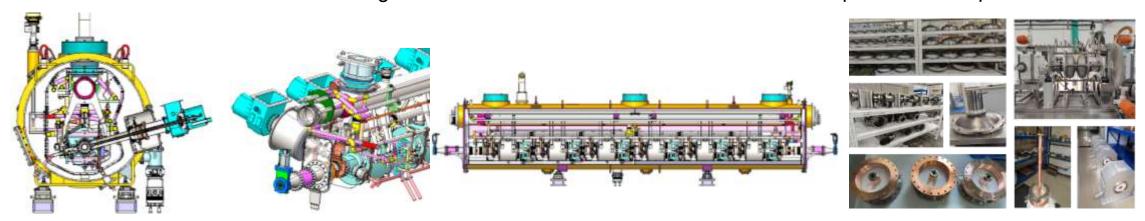
CEPC 650MHz SRF Development in EDR







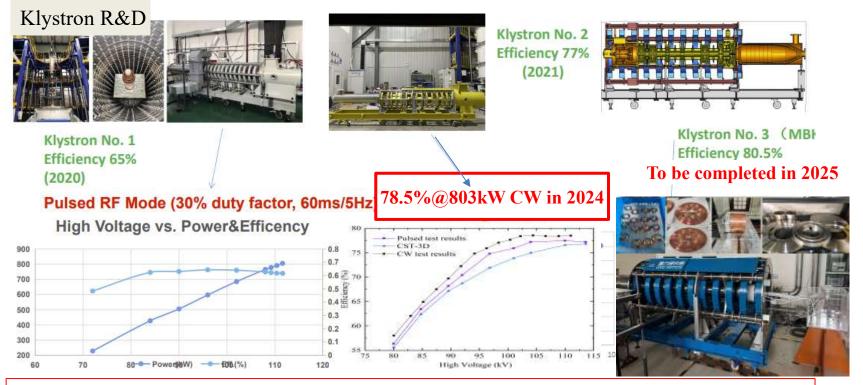
CEPC collider ring 650MHz 2*cell short test module has been completed in TDR phase



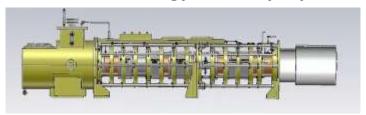
The collider Higgs mode for 30 MW SR power per beam will use 32 units of 11 m-long collider cryomodules will contain six 650 MHz 2-cell cavities, and therefore, a full size 650 MHz cryomodule will be developed in EDR Status: construction started, to be completed in 2026

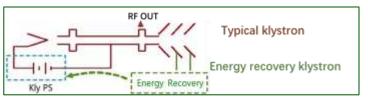


CEPC High Efficiency and High Power Klystrons



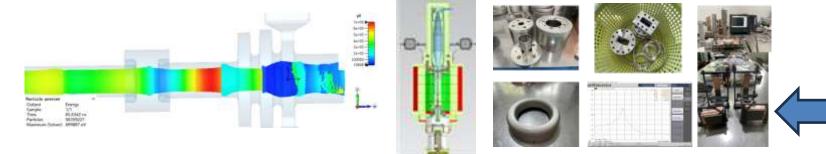
CEPC 650Mhz Energy Recovery Klystron





| Parameter | Value |
|---------------------------------|---------|
| Operating frequency | 650 MHz |
| Beam Voltage | 113 kV |
| Efficiency | 77.5% |
| Output power | 800 kW |
| Beam perveance | 0.25 μP |
| Beam current | 9.5Å |
| Efficiency | |
| (one-stage depressed collector) | 85% |

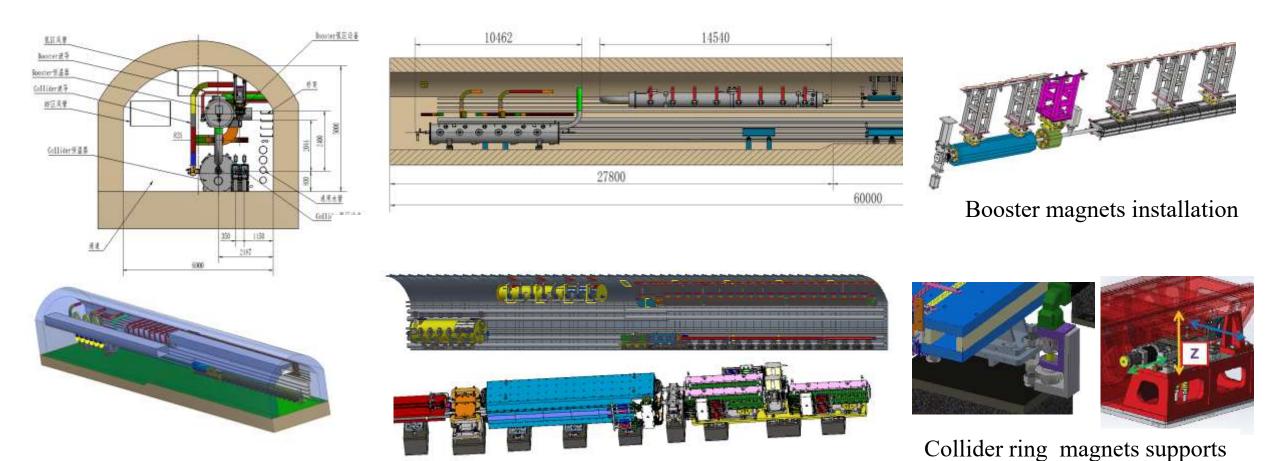
CEPC collider ring 650MHz klystron development in TDR/EDR phase



C band 5720MHz 80MW Klystron design completed to be completed on 2025



CEPC Tunnel Mockup for Installation in EDR



A 60 m long tunnel mockup, including parts of arc section and part of RF section

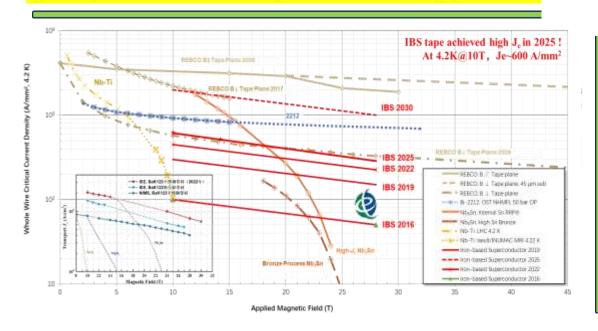
To demonstrate the inside tunnel alignment and installation, especially for booster installation on the roof of the tunnel

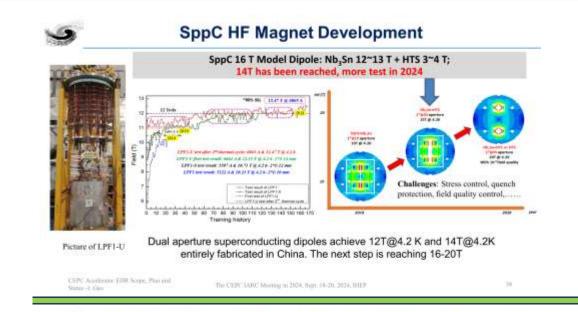


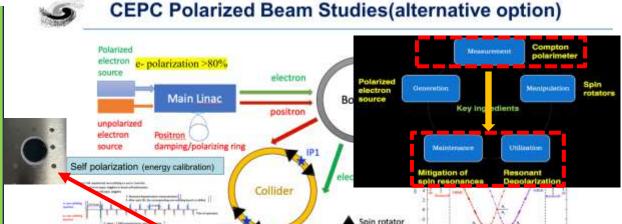
Advanced Technologies Development in Progress



Je of IBS expected to be similar as ReBCO in 5 years with better mechanical properties and lowe



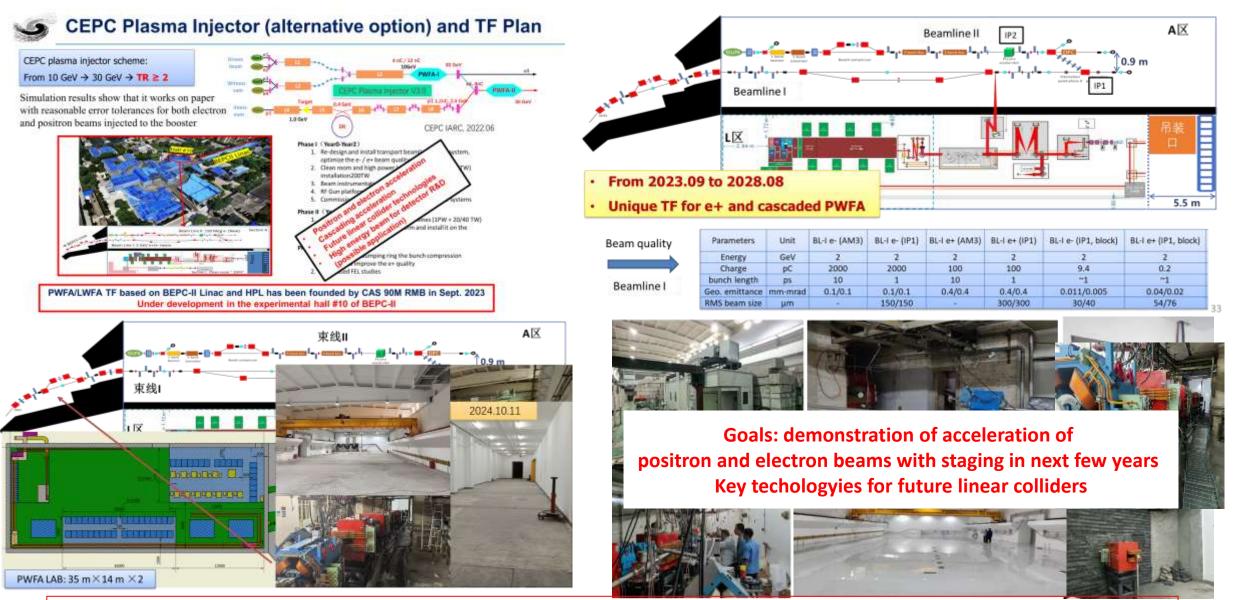




Polarized electron cathode chip (diameter ~5cm) has been fabricated in June 2025: Polarization of 85%, for 1ns laser (780nm) pulse length, several nC polarized electron charge will be obtained with the expected cathode lifetime ~6 months



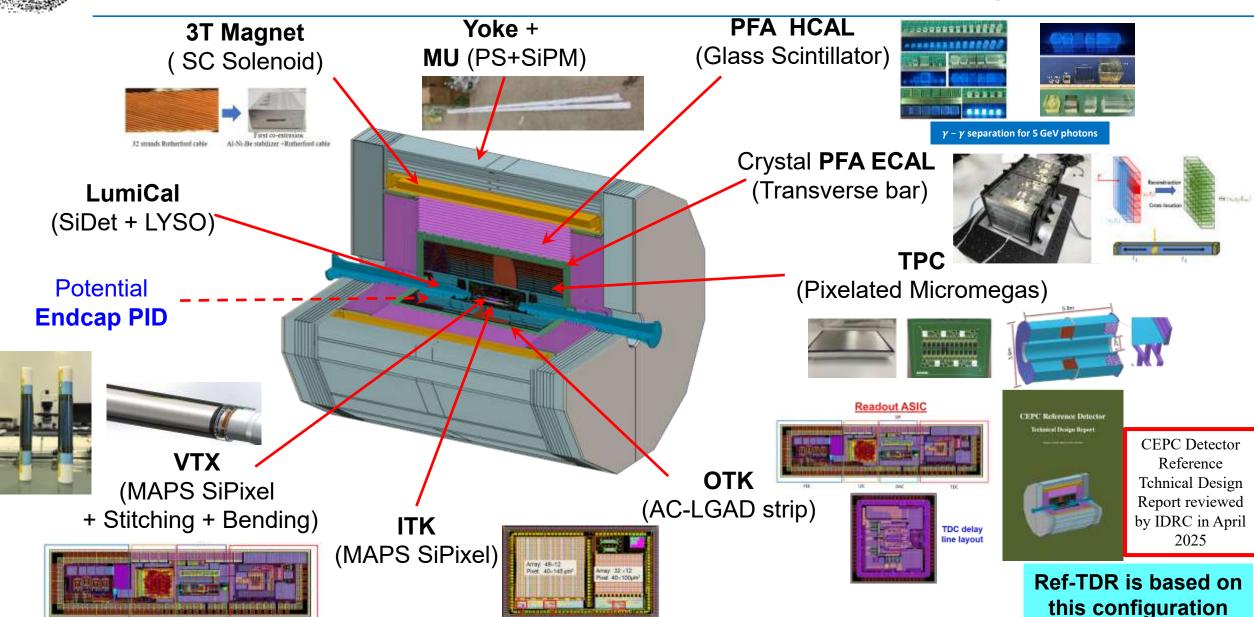
BEPCII-based PWFA Test Facility Development Status



Dazhang Li, Wei Lu and Jie Gao, Research highlights on plasma-based acceleration at IHEP, AAPPS Bulletin (2025) 35:3, https://doi.org/10.1007/s43673-025-00143-z



CEPC Detector Reference TDR Design





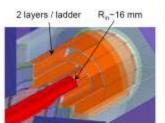
CEPC Detector from CDR to Ref-TDR

| | CDR | RefDet-TDR |
|---------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------|
| | Inner radius of 16 mm | Inner radius of 11 mm |
| VTX | Material Budget: 0.15%*6+0.14%(beampipe)= 1.05% X0 | Material Budget: 0.06%*4(inner)+0.165%*2(outer)+0.2%(beampipe)= 0.77% X0 |
| Gaseous Tracker | TPC with 1 mm* 6 mm readout | TPC with 0.5 mm* 0.5 mm readout dN/dx resolution 3% |
| ToF & Outer tracker | - | AC-LGAD, with 50 ps per MIP, 10 um |
| ECAL | Si-W-ECAL: 17% /√E ⊕ 1% | Crystal Bar-ECAL: 1.3%/√E ⊕ 0.7% |
| HCAL | RPC-Iron: 60% /√E ⊕ 2% | Glass-Steel: 30% /√E ⊕ 6.5% |



CEPC Detector R&D Progresses-1

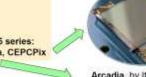
Vertex detector



Goal: o(IP) - 5 µm for high P track CDR design specifications

- Single point resolution ~ 3µm
- Low material (0.15% X_e / layer)
- Low power (< 50 mW/cm²) · Radiation hard (1 Mrad/year)

Silicon pixel sensor develops in 5 series: JadePix, TaichuPix, CPV, Arcadia, CEPCPix



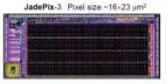
CPV4 (SOI-3D), 64-64 array TaichuPix-3, FS 2.5x1.5 cm2

Arcadia by Italian groups for IDEA vertex detector LFoundry 110 nm CMOS

Develop CEPCPix for a CEPC tracke

basing on ATLASPix3 CN/IT/UK/DE

TSI 180 nm HV-CMOS process



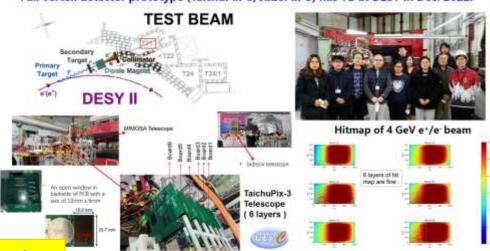
Tower-Jazz 180mm CIS process Resolution 5 microns, 53mW/cm²





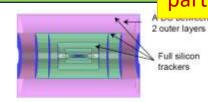


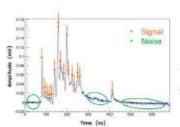
Full vertex detector prototype (TaichuPix-3, JadePix-3) has TB at DESY in Dec. 2022.

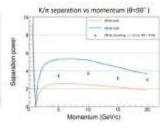


particle ID +main tracker

- Goal: 3σ π/K separation up to ~20 GeV/c.
- Cluster counting method, or dN/dx, measures the number of primary ionization
- Can be optimized specifically for PID: larger cell size, no stereo layers, different gas mixture.
- Garfield++ for simulation, realistic electronics, peak finding algorithm development.





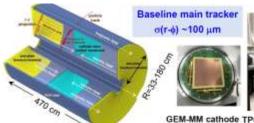




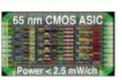
Full silicon

trackers

IHEP and Italian INFN groups have close collaboration and regular meetings. IHEP joined the TB (led by INFN group) in 2021 and 2022

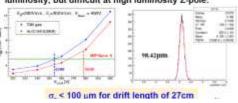








Challenge: Ion backflow (IBF) affects the resolution. It can be corrected by a laser calibration at low luminosity, but difficult at high luminosity Z-pole.

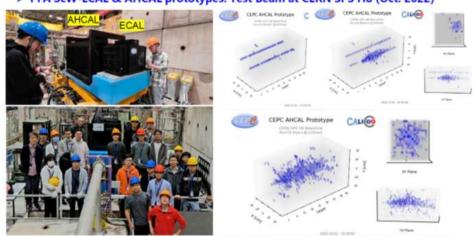




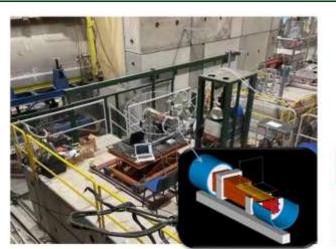
CEPC Detector R&D Progresses-2

EM + hadron colarimeters: prototypes

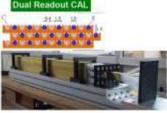
> PFA ScW-ECAL & AHCAL prototypes: Test Beam at CERN SPS H8 (Oct. 2022)



USTC, IHEP, SJTU, Japanese & Israel groups have close collaboration and regular meetings 32

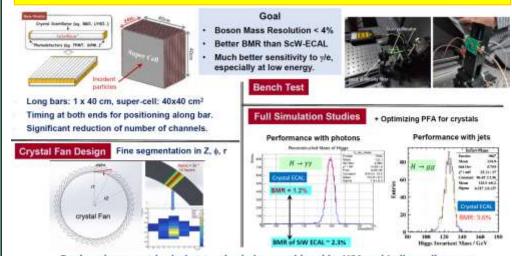






Italian groups and IHEP colleagues participated the test beam at CERN.

new crystal EM calorimeter for better resolution



Dual readout crystal calorimeter also being considered by USA and Italian colleagues

software

Key4hep: an international collaboration with CEPC participation CEPCSW: a first application of Kep4hep – Tracking software CEPCSW is already included in Key4hep software stack

https://github.com/cepc/CEPCSW

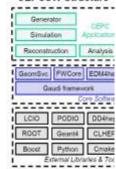
Architecture of CEPCSW

- External libraries
- Core software
- CEPC applications for simulation, reconstruction and analysis

Core Software

- Gaudi framework: defines interfaces of all software components and controls the event loop
- EDM4hep: generic event data model
- FWCore: manages the event data
- GeomSvc: DD4hep-based geometry management service

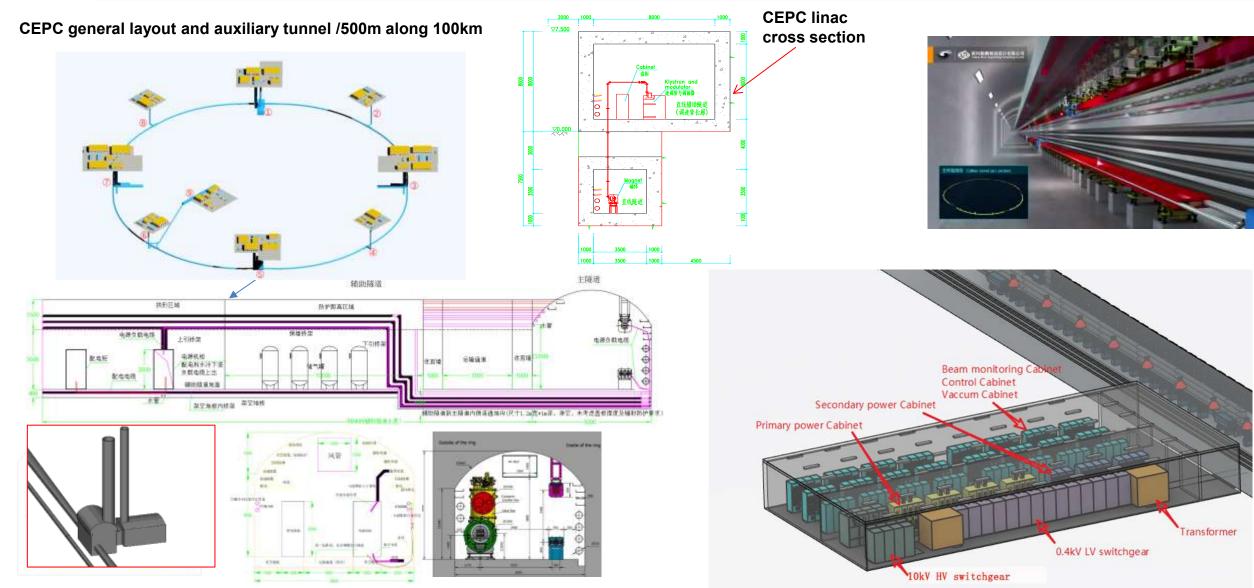
CEPCSW Structure







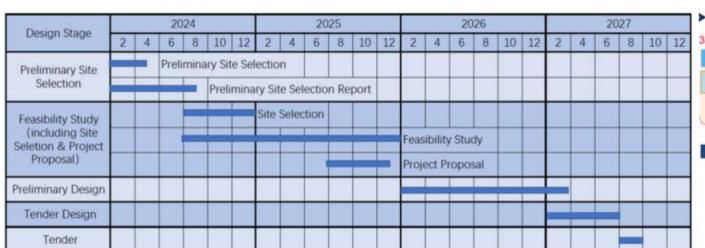
CEPC Civil Engineering and Conventional Facilities in EDR





CEPC EDR Site Investigation

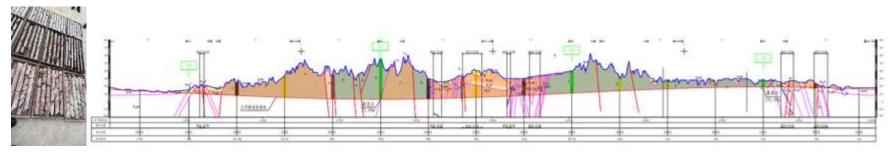
CEPC EDR site implementation plan



CEPC EDR site geological study has been started and the geological feasibility study will be completed in 2025

CEPC construction plan







Green CEPC and Sustainability

- SR power per beam: 30 MW (CEPC-TDR p965)
 - Total electricity consumption: 262 MW
 - RF power (109 MW)
 - Magnet (58 MW)
 - Utilities (44 MW)
 - Cryogenics (11.6 MW)
 - Other auxiliary power combined (29 MW)
- SR power per beam: 50 MW (CEPC-TDR p967)
 - Total electricity consumption: 340 MW
 - RF power (177 MW)
 - Magnet (58 MW)
 - Utilities (54 MW)
 - Cryogenics (11.1 MW)

Other auxiliary power combined (29 MW)

Need to improve these

Need to

improve these

Participated the 4th edition of the Sustainable High Energy Physics (HEP) workshop, May 12-15, 2025, with green CEPC and sustainability presentation and Panel discussions https://indico.global/event/4745/

On-going sustainability projects:

- High efficiency klystron:
 - 650 MHz
 - 80 MW C-band
- Permanent magnets for damping ring and transport lines
- High Q-factor SRF cryogenic-modules
- Recovery of waste heat (HEPS)
- Recovery and recycling of Helium
- Photovoltaic (PV) power generation systems (HEPS)

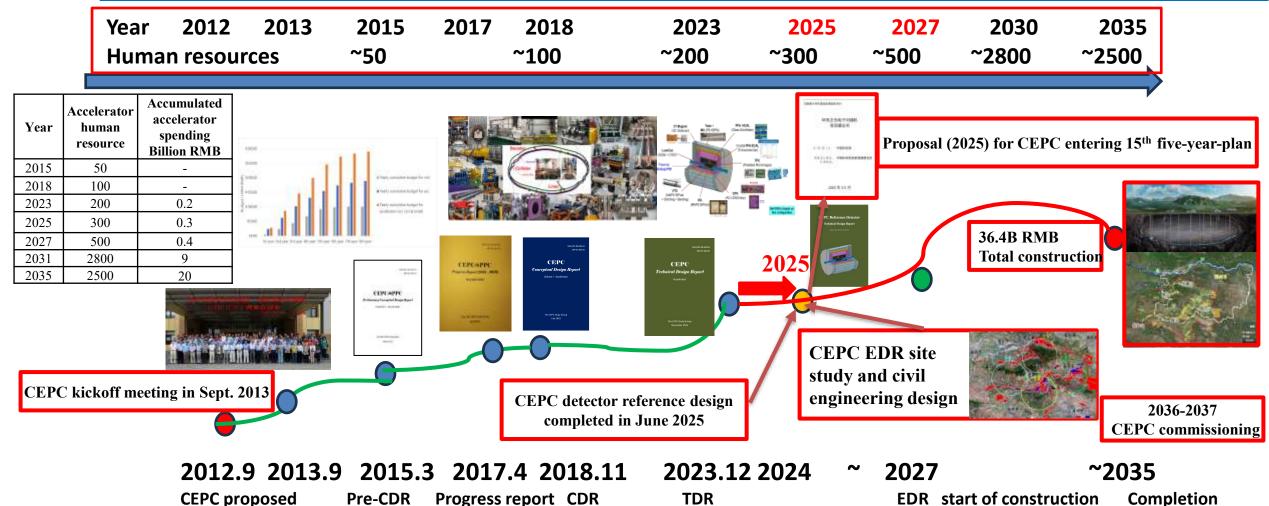
Prototypes have been developed addressing green collider technologies

Power efficiency, energy recycling, and clean energy generation are being addressed as comprehensive measures for sustainable operation

Publication: Dou Wang; Jie Gao; Yuhui Li; Jinshu Huang; Song Jin; Manqi Ruan; Mingshui Chen; Shanzhen Chen, "The carbon footprint and CO2 reduction optimization of CEPC", *RDMT*, https://doi.org/10.1007/s41605-025-00535-7 (2025).



CEPC Milestones, Timeline and Human Resources



J. Gao, "The Status of the CEPC Project in EDR", submitted to IJMPA, 2025, arXiv:2505.04663, https://doi.org/10.48550/arXiv.2505.04663



Participating and Potential Collaborating Companies in China (CIPC) and Worldwide

System Magnet Power supplier 3 Vacuum Mechanics **RF** Power SRF/RF 6 Cryogenics Instrumentation Control Survey and 10 alignment Radiation 11 protection

e-e+Sources

CEPC Industrial Promotion Consortium (CIPC, established in Nov. 2017)



Potential international collaborating suppliers worldwide





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CEPC International Collaboration-1

CEPC attracts significant International participation and collaborations

CEPC Accelerator TDR report: 1114 authors from 278 institutes (including 159 International Institutes, 38 countries) Published in Radiation Detection Technology and Methods (RDTM) on June 3, 2024: DOI: 10.1007/s41605-024-00463-y

https://doi.org/10.1007/s41605-024-00463-y







CEPC Detector Reference TDR report has been completed and reviewed by IDRC in April 14-16, 2025

- 27 MoUs have been signed with international institutions and universities
- CEPC International Workshop since 2014-now
- EU and US versions of CEPC WS since 2018-now
- Annual working month at HKUST-IAS (mini workshops and HEP conference), Hong Kong, since 2015-now





CEPC International Collaboration-2

- > CEPC will be an international project, following the HEP tradition
- ➤ Internationalization will distinguish CEPC from other proposals to NDRC, enhance the successful chance
- ➤ IHEP successfully organized large international projects such as BESIII, Daya Bay and JUNO with international in-kind contributions of ~5%, ~30%, and ~15% respectively
 - ➤ BESIII has >600 members from 84 institutions in 17 countries and regions
 - > Daya Bay had >250 members from 40 institutions in 6 countries and regions
 - > JUNO has >700 members from 72 institutions in 17 countries and regions
- > Based on the experience from above experiments, our plan for CEPC is the following:
 - ➤ Goal: international contributions at the level of ~10-30%
 - > Although the management system is yet to be settled, most likely IHEP will be the host lab
 - > A concept of the management structure has been endorsed by IAC, further discussion needed
 - ➤ Once CEPC is approved in China(~ CD0 in DOE), international collaboration can be formally started
 - > Discussion with partners about the management
 - > Form various committees
 - > call for detector proposals, and select proposals
 - Form international collaborations, deliver TDRs
 - ➤ Civil construction and most of the accelerator construction can start after the CD3 approval by NDRC, internationalized construction of detectors and other accelerator equipment may come a few years later



CEPC International Collaboration-3 (examples)

INFN/Italy collaboration on JUNO and BEPCII-U













IN2P3/France collaboration on JUNO









CEPC in Synergy with other Accelerator Projects in China 30

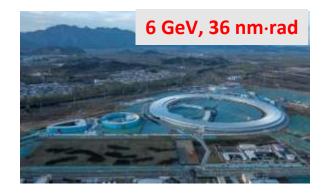
| Project name | Machine type | Location | Cost (B RMB) | Completion time |
|--------------|-----------------------------------------------------|------------------------------------------------------|-----------------------------|-----------------------------------------|
| CEPC | Higgs factory Upto ttar energy | Led by IHEP, China | 36.4 (where accelerator 19) | Around 2035 (starting time around 2027) |
| BEPCII-U | e+e-collider 2.8GeV/beam | IHEP (Beijing) | 0.15 | 2025 |
| HEPS | 4 th generation light source of 6GeV | IHEP (Huanrou) | 5 | 2025 |
| SAPS | 4th generation light source of 3.5GeV | IHEP (Dongguan) | 3 | 2031 (in R&D, to be approved) |
| HALF | 4th generation light source of 2.2GeV | USTC (Hefei) | 2.8 | 2028 |
| SHINE | Hard XFEL of 8GeV | Shanghai-Tech Univ., SARI and SIOM of CAS (Shanghai) | 10 | 2027 |
| S3XFEL | S3XFEL of 2.5GeV | Shenzhen IASF | 11.4 | 2031 |
| DALS | FEL of 1GeV | Dalian DICP | - | (in R&D, to be approved,) |
| HIAF | High Intensity heavy ion Accelerator Facility | IMP, Huizhou | 2.8 | 2025 |
| CIADS | Nuclear waste transmutation | IMP, Huizhou | 4 | 2027 |
| CSNS-II | Spallation Neutron source proton injector of 300MeV | IHEP, Dongguan | 2.9 | 2029 |

The total cost of the accelerator projects under construction:39B RMB more than CEPC cost of 36.4B RMB

Relevant accelerator human resources and industrial capabilities in China could be measured in relation with these massive investments



Experience at HEPS/BEPCII/BEPCII-U



HEPS 6 GeV, 36 nm·rad, 4th generation light source, 1.3 km circumference construction completed in 2025



Magnets & alignment





Vacuum pipe and NEG coating



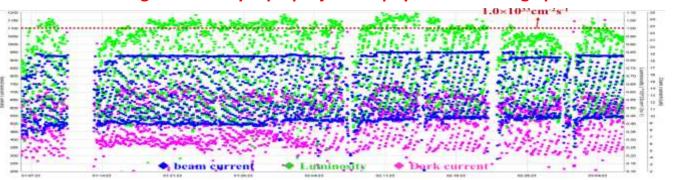
L. Feedback kicker

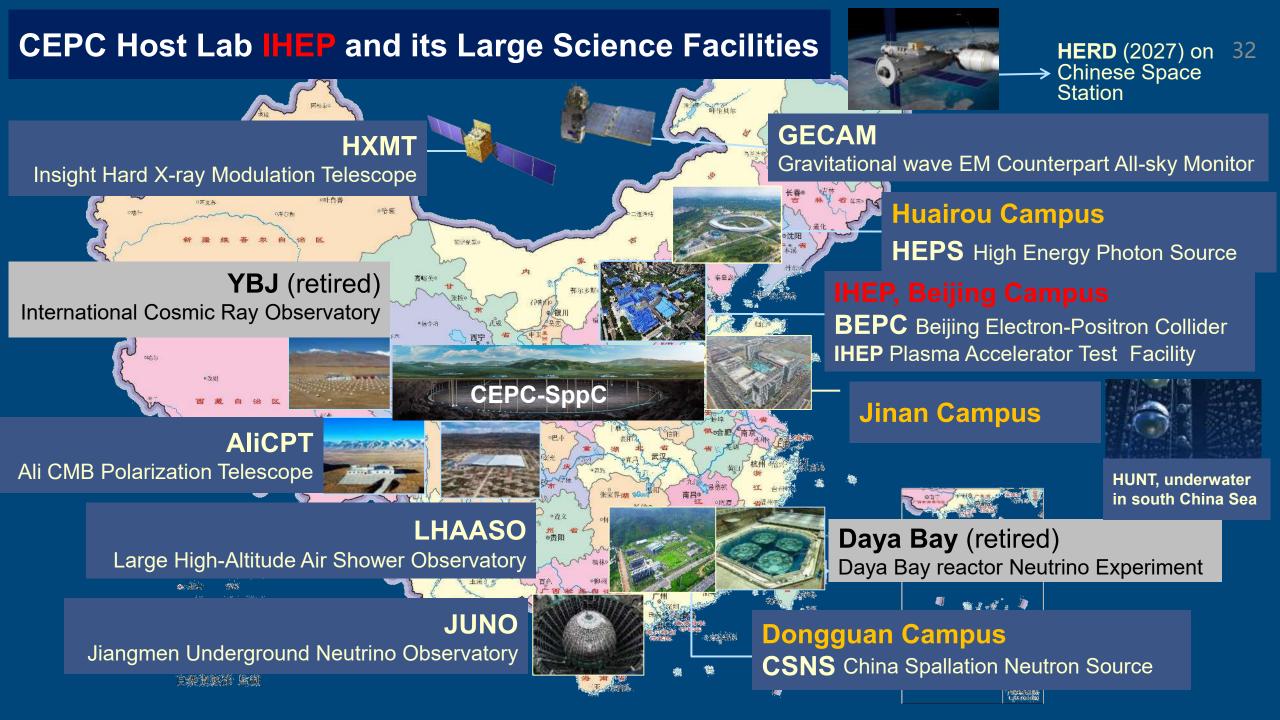




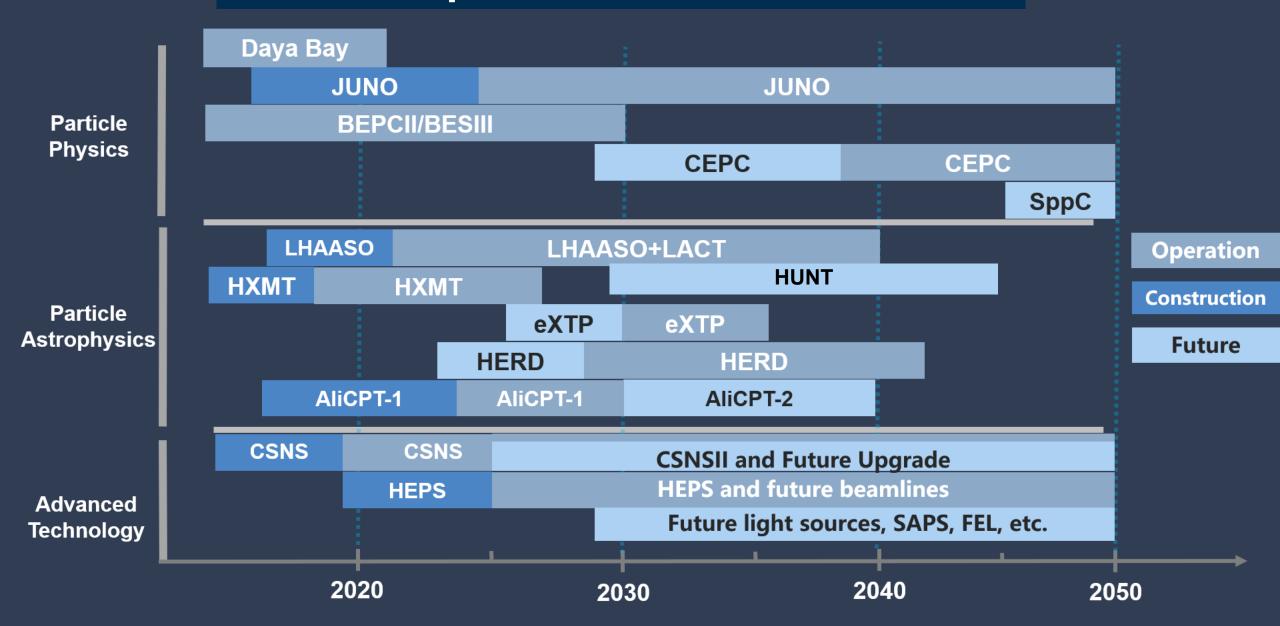
BEPCII high luminosity top-up injection physics data taking operation







Road Map of CEPC Host Lab: HEP





Summary

- <u>BEPCII@1.89GeV</u> has reached luminosity of $1*10^{33}$ cm⁻²s⁻¹ during routine operation. <u>BEPCII-U@2.35GeV</u> will reach luminosity of $1.1*10^{33}$ cm⁻²s⁻¹. BEPCII-U is under commissioning from March 2025.
- CEPC accelerator TDR international review and cost review were held from June 12-16, 2023 and Sept. 11-15, 2023, respectively, and endorsed by IAC meeting held from Oct. 30-31, 2023. CEPC Accelerator TDR has be released formally on December 25, 2023 (arXiv: 2312.14363) and published in Journal Radiation Detection Technology and Methods (RDTM) on June 3, 2024: DOI: 10.1007/s41605-024-00463-y https://doi.org/10.1007/s41605-024-00463-y.
- CEPC accelerator EDR including EDR site geological investigation and civil engineering design have progressed well with corresponding EDR funds and EDR human resources available
- CEPC detector reference design report has been reviewed by IDRC in April 2025.
- EDR site selection and geological feasibility studies have been started and will be completed in 2025.
- Detailed preparation of CEPC EDR phase (2024-2027) before construction working plan and beyond have been established and executed with the aim for CEPC proposal to be presented to and selected by Chinese government around 2025 for the construction start during the "15th five-year-plan (2026-2030)" (for example, around 2027) and completion around 2035.
- CEPC is an international project and international collaborations and participations are warmly welcome.



Thanks



CEPC International Collaboration

HKUST IAS23 HEP Conference, Feb. 14-16, 2023, Hong Kong

https://indico.cern.ch/event/1215937/

The 2024 HKUST IAS Mini workshop and conference were held from Jan. 18-19, and Jan. 22-25, 2024, respectively.

https://indico.cern.ch/event/1335278/timetable/?view=standard



The 2025 HKUST IAS fundamental physics conference: Jan. 14-17, 2025, Hong Kong

https://indico.cern.ch/event/1454867/overview

CEPC Workshop EU Edition (Barcelona, Spain) June 16-19, 2025

https://indico.ifae.es/event/2054/overview





The 2026 HKUST IAS fundamental physics conference Jan. 12-16, 2026, Hong Kong

CEPC Workshop EU, April 7-10, 2026, Lisbon, Portugal

The 2023 International Workshop on Circular Electron Positron Collider, EU Edition, University of Edinburgh, July 3-6, 2023 https://indico.ph.ed.ac.uk/event/259/overview



The 2024 international workshop on the high energy Circular Electron Positron Collider (CEPC) was held from Oct. 23-27, 2024, Hangzhou, China https://indico.ihep.ac.cn/event/22089/

Dates: E-27 1835, vergator. Care

The 2025 international workshop on the high energy Circular Electron Positron Collider (CEPC) will be held from Nov. 6-10, 2025,
Guangzhou, China

https://indico.ihep.ac.cn/event/25300/

The 2023 international workshop on the high energy Circular Electron Positron Collider (CEPC)

https://indico.ihep.ac.cn/event/19316/



The 2024 international workshop of CEPC EU-Edition were held in Marseille, France, April 8-11, 2024.

https://indico.in2p3.fr/event/20053/overview



FCPPNL, Bordeaux, France, June 10-14, 2024 https://indico.in2p3.fr/event/20434/overview

FCPPNL, Qingdao, China, July 21-25, 2025 https://indico.ihep.ac.cn/event/25400/