

Workshop on Fission Dynamics 2026

May 11–15, 2026 | Chongqing Chaotianmen Voco Hotel
Chongqing · China



Event Page



Group for Nuclear
Physics and Astrophysics

PROGRAM

含弘光大，继往开来

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Workshop on Fission Dynamics 2026

The **Workshop on Fission Dynamics** will be held in Chongqing, China, from **May 11th to 15th, 2026**. The workshop aims to bring together leading experts and young researchers in the field of fission to discuss recent advancements in theoretical and experimental studies, explore new methodologies, and foster collaborations on key challenges in fission dynamics.

Objectives

- Review recent advances in experimental and theoretical approaches.
- Assess the current limitations of existing experimental techniques and theoretical models.
- Identify new computational strategies and their role in enhancing predictive accuracy.
- Foster collaboration between experimentalists and theorists to improve data integration and model validation.
- Explore emerging applications and their implications for future research.

Website: <https://indico.pku.edu.cn/event/52/>

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CHONGQING PHYSICAL SOCIETY

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Workshop Guidelines

1. May 10, 2026 (Sunday)

- **On-site Registration:** Lobby, Chongqing Chaotianmen Voco Hotel (重庆朝天门 Voco 酒店), 13F, 11:00 – 23:00

2. May 11, 2026 (Monday)

- **On-site Registration:** Lobby, InterContinental Chongqing Raffles City (重庆来福士洲际酒店), 5F, Gate 2, Chaotianmen Ballroom
- **Conference Room:** Chaotianmen Ballroom 2, 5F, InterContinental Chongqing Raffles City
- **Lunch:** Chaotianmen Ballroom 1, 5F, InterContinental Chongqing Raffles City
- **Banquet:** Chaotianmen Ballroom 1, 5F, InterContinental Chongqing Raffles City

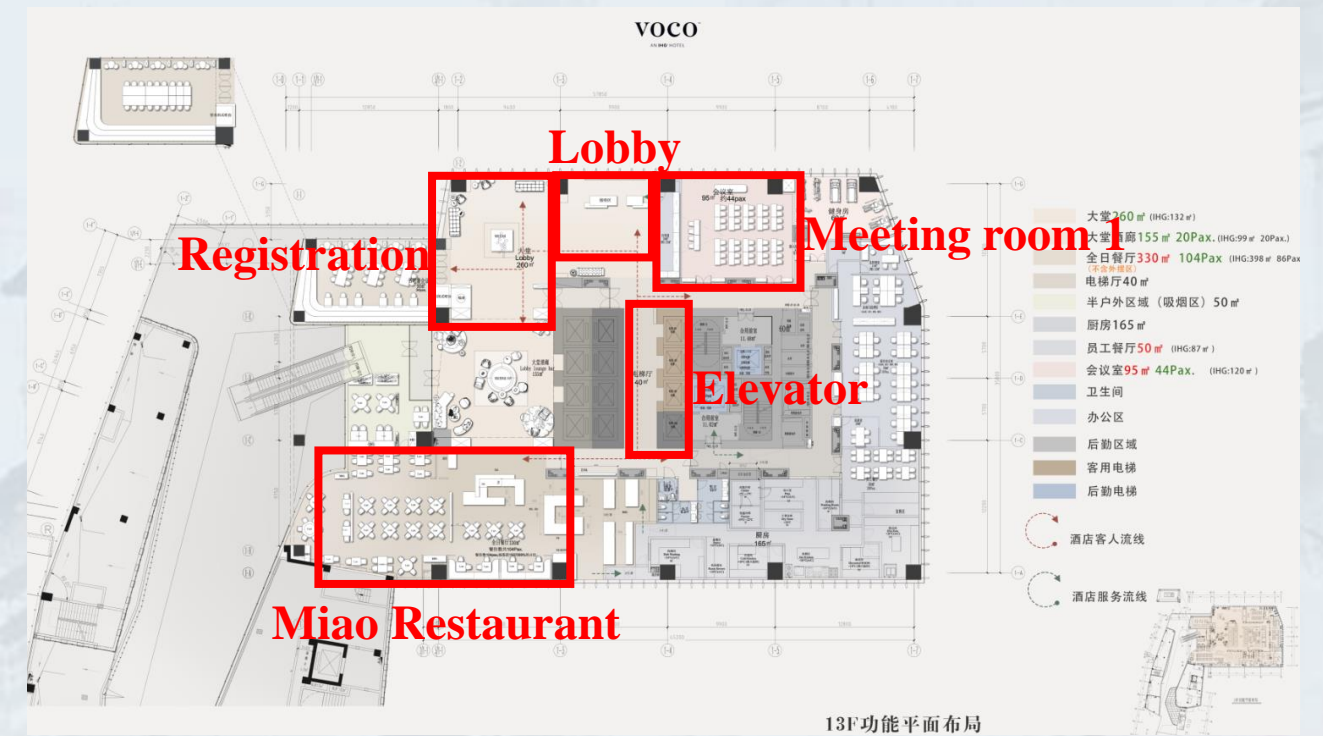
3. May 12–15 (Tuesday–Friday)

- **Conference Room:** Meeting Room 1, 13F, Chongqing Chaotianmen Voco Hotel (重庆朝天门 Voco 酒店)
- **Lunch:** Miao Restaurant (妙餐厅), 13F, Chongqing Chaotianmen Voco Hotel
- (Please use meal tickets for lunch. Tickets are for personal use only. Unused tickets should be returned to the organizers. Thank you for your cooperation.)

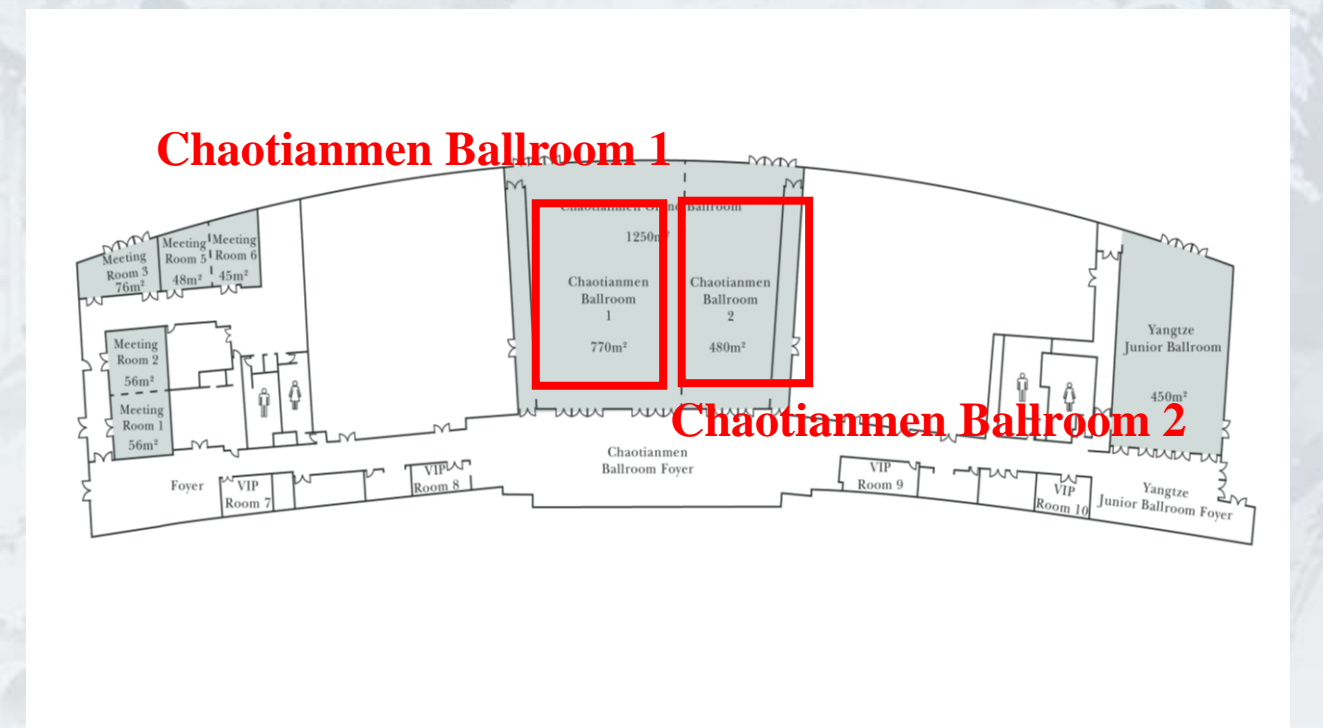
4. May 16 (Saturday): Departure

5. Floor plan

Chongqing Chaotianmen Voco Hotel :



InterContinental Chongqing Raffles City:

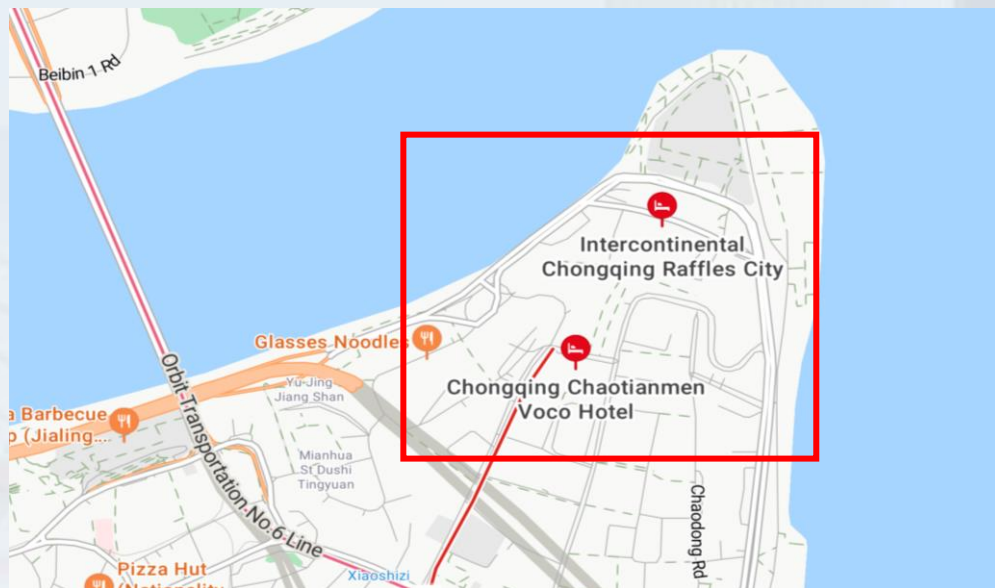


6. Venue 1 – Chongqing Chaotianmen Voco Hotel

The Voco Hotel is located at the confluence of the Yangtze and Jialing Rivers in the heart of Chongqing's historic Chaotianmen area. With nearby metro lines (1 and 6) and the Chaotianmen Ferry Terminal, guests can easily explore the city and its major landmarks.

Venue 2 – InterContinental Chongqing Raffles City

Located within the iconic Raffles City complex, the InterContinental Chongqing Raffles City is adjacent to Chaotianmen Square. It offers luxurious accommodation and state-of-the-art conference facilities, with panoramic views of the two rivers.



7. Pickup service

The organizing committee will provide complimentary pickup service from both the airport and the railway station for all participants. Please look for our staff holding a sign that reads “Workshop on Fission Dynamics 2026”.

8. Tips

We recommend setting up **WeChat Pay** or **Alipay** before arrival. Simply download the app, register with your passport, and add a credit card. These apps are widely accepted for payments at hotels, restaurants, shops, and on public transport.

Program for Workshop on Fission Dynamics 2026

May 11 th , 2026 (Monday) - InterContinental Chongqing Raffles City			
Time	Opening (20min) & taking photo (10min)		Chair
9:00-9:10	University Leadership, Southwest University		Zhengmao Wu Southwest University
9:10-9:20	Huanqiao Zhang China Institute of Atomic Energy		
Time	Speaker	Title	Chair
9:30-10:10 (30+10 min)	Andrei Andreyev University of York	Nuclear fission with radioactive ion beams	Zhigang Ge China Institute of Atomic Energy
10:10-10:40	Break		
10:40-11:20 (30+10 min)	Luis Robledo Universidad Autonoma de Madrid	Tools for a microscopic description of fission	
11:20-12:00 (30+10 min)	Bo Li Peking University	Microscopic Study of Fission Dynamics and Fragment Distributions	
12:00-14:30	Lunch - InterContinental 5F, Ballroom 1		
14:30-15:10 (30+10 min)	Chao Liu China Institute of Atomic Energy	Fission Product Yield Measurements at CNDC: Recent Experiments and Insights	Yongde Fang Institute of Modern Physics, CAS
15:10-15:50 (30+10 min)	Takashi Nakatsukasa University of Tsukuba	Collective masses for fusion/fission dynamics	
15:50-16:20 (22+8 min)	Zhigang Xiao Tsinghua University	Fast Fission in heavy ion collisions and the isospin effect of the particle emissions	
16:20-16:50	Break		
16:50-17:30 (30+10 min)	Sven Åberg Lund University	Importance of Shell Structure in Fission Dynamics	Junchen Pei Peking University
17:30-18:10 (30+10 min)	Tamara Niksic University of Zagreb	Microscopic models of induced fission dynamics	
18:30-	Banquet - InterContinental 5F, Ballroom 1		

Workshop on Fission Dynamics 2026

May 12 th , 2026 (Tuesday) - Voco Hotel			
Time	Speaker	Title	Chair
9:00-9:40 (30+10 min)	Katsuhisa Nishio Japan Atomic Energy Agency	Fission modes in Md258 populated in the He4+Es254 reaction	Andrei Andreyev University of York
9:40-10:20 (30+10 min)	Cedric Simenel The Australian National University	Extraction of fission mode properties from fragment mass distributions	
10:20-10:40	Break		
10:40-11:20 (30+10 min)	Lu Guo University of Chinese Academy of Sciences	Fission fragment distributions within time-dependent density functional theory	Xurun Huang Chongqing University
11:20-12:00 (30+10 min)	Ngee Wein Lau Laboratoire des 2 Infinis Toulouse / CNRS	Improved modelling of nuclear fission with the 'exact' TDGCM and projection techniques.	
12:00-14:30	Lunch - Miao Restaurant (妙餐厅), 13F, Voco Hotel		
14:30-15:10 (30+10 min)	Yoshihiro Aritomo Kindai University	Nuclear Fission Dynamics within the Langevin Framework	Yongjing Chen China Institute of Atomic Energy
15:10-15:50 (30+10 min)	Michal Kowal NCBJ	Demystifying the Fission Mechanism through Multidimensional Stochastic Dynamics: Langevin versus Random Walk	
15:50-16:20 (22+8 min)	Azam Rahmatinejad JINR	Description of correlations between fission observable in spontaneous fission of 252Cf	
16:20-16:50	Break		
16:50-17:30 (30+10 min)	Gurgen Adamian BLTP, JINR	Clusterization in binary fission	Dongying Huo Lanzhou University
17:30-18:00 (22+8 min)	Lile Liu China Institute of Atomic Energy	Calculation of prompt fission observables within the Langevin approach incorporated with the statistical model	
18:00-18:30 (22+8 min)	Kotaro Koga Institute of Science Tokyo	Semi-Classical Quantization of Periodic Solutions for Imaginary Time-Dependent Hartree-Fock Theory to Describe Spontaneous Fission	
18:30-	Free		

Workshop on Fission Dynamics 2026

May 13 th , 2026 (Wednesday) - Voco Hotel			
Time	Speaker	Title	Chair
9:00-9:40 (30+10 min)	Jonathan Wilson IJC Lab	Experimental approaches to understand the generation of angular momentum in fission	Dmitry Lyubashevsky Voronezh State University
9:40-10:20 (30+10 min)	Jorgen Randrup LBNL	Angular Momentum Dynamics in Fission (tentative)	
10:20-10:40	Break		
10:40-11:20 (30+10 min)	Laurent Gaudefroy CEA	Angular momentum, Deformation and Excitation Energy of Neutronless Fission Fragments	Bo Li Peking University
11:20-12:00 (30+10 min)	Guillaume Scamps Laboratoire des deux infinis de Toulouse	Why do the fission fragments spin	
12:00-14:30	Lunch - Miao Restaurant (妙餐厅), 13F, Voco Hotel		
14:30-15:10 (30+10 min)	Petar Marevic University of Zagreb	Microscopic theory of angular momentum distributions across the full range of fission fragments	Jie Zhao Pengcheng Laboratory
15:10-15:50 (30+10 min)	Nikolai Antonenko BLTP, JINR	Angular momentum of fission fragments	
15:50-16:20 (22+8 min)	Yu Qiang Beihang University	Microscopic study of the partition of particle number, energy, and angular momentum in nuclear fission	
16:20-16:50	Break		
16:50-17:30 (30+10 min)	Kouichi Hagino Kyoto University	Microscopic modeling of compound nucleus reactions	Lile Liu China Institute of Atomic Energy
17:30-18:00 (22+8 min)	Kouhei Washiyama The University of Osaka	Microscopic description of collective inertia in spontaneous fission	
18:00-18:30 (22+8 min)	Pavel Kostryukov Voronezh State University	Fragment spin generation in low-energy fission: Beyond thermalization	
18:30-	Free		

May 14 th , 2026 (Thursday) - Voco Hotel			
Time	Speaker	Title	Chair
9:00-9:40 (30+10 min)	Toshitaka Kajino Beihang University & University of Tokyo & NAOJ	Fission and the Origin of Heavy Elements in the Universe	To Chung Martin Yiu Southwest University
9:40-10:20 (30+10 min)	Nobuya Nishimura Kogakuin University	Dynamical Fission in r-Process Nucleosynthesis	
10:20-10:40	Break		
10:40-11:20 (30+10 min)	Futoshi Minato Kyushu University	Neutron Energy Dependence of Fission Fragment Yields and Its Applications	Longjun Wang Southwest University
11:20-12:00 (30+10 min)	Samuel Andrea Giuliani Universidad Autónoma de Madrid	Large-scale fission calculations for stellar nucleosynthesis	
12:00-13:00	Lunch - Miao Restaurant (妙餐厅), 13F, Voco Hotel		
13:00-18:30	Free Discussion		
19:00	Dinner		

May 15 th , 2026 (Friday) - Voco Hotel			
Time	Speaker	Title	Chair
9:00-9:40 (30+10 min)	Pengwei Zhao Peking University	Configuration-interaction time-dependent density functional theory for nuclear dynamics	Cong Pan Anhui Normal University
9:40-10:20 (30+10 min)	Daisuke Suzuki The University of Tokyo	Fission Dynamics and Exotic Nuclear Structures: New Opportunities with the RIBF Upgrade Project	
10:20-10:40	Break		
10:40-11:20 (30+10 min)	Haozhao Liang The University of Tokyo	Collective quantum tunneling with time-dependent generator coordinate method	Zeyu Li Southwest University
11:20-12:00 (30+10 min)	Masaaki Kimura RIKEN	Microscopic description of the fusion reactions of light ions	
12:00-14:30	Lunch - Miao Restaurant (妙餐厅), 13F, Voco Hotel		
14:30-15:10 (30+10 min)	Anna Zdeb Maria Curie-Skłodowska University	Microscopic pairing in fission dynamics	Yiping Wang Peking University
15:10-15:50 (30+10 min)	Timur Shneidman Joint Institute for Nuclear Research	Evolution of fission properties in Fermium region	
15:50-16:20 (22+8 min)	Kotaro Uzawa Japan Atomic Energy Agency	Nuclear Fission and the Non-equilibrium Green's Function Method: A Novel Microscopic Approach	
16:20-16:50	Break		
16:50-17:20 (30+10 min)	Dandan Zhang ITP, CAS	Ternary quasifission and intrinsic fragment angular momentum in heavy-ion reactions	Hao Lu China institute of atomic energy
17:20-17:50 (22+8 min)	Shion Yoshikawa RCNP, Osaka University	The Fission Barriers in Actinide and Superheavy Elements Using RMF Theory	
17:50-	Jie Meng Peking University Dario Vretenar University of Zagreb	Closing speech	Zhipan Li Southwest University

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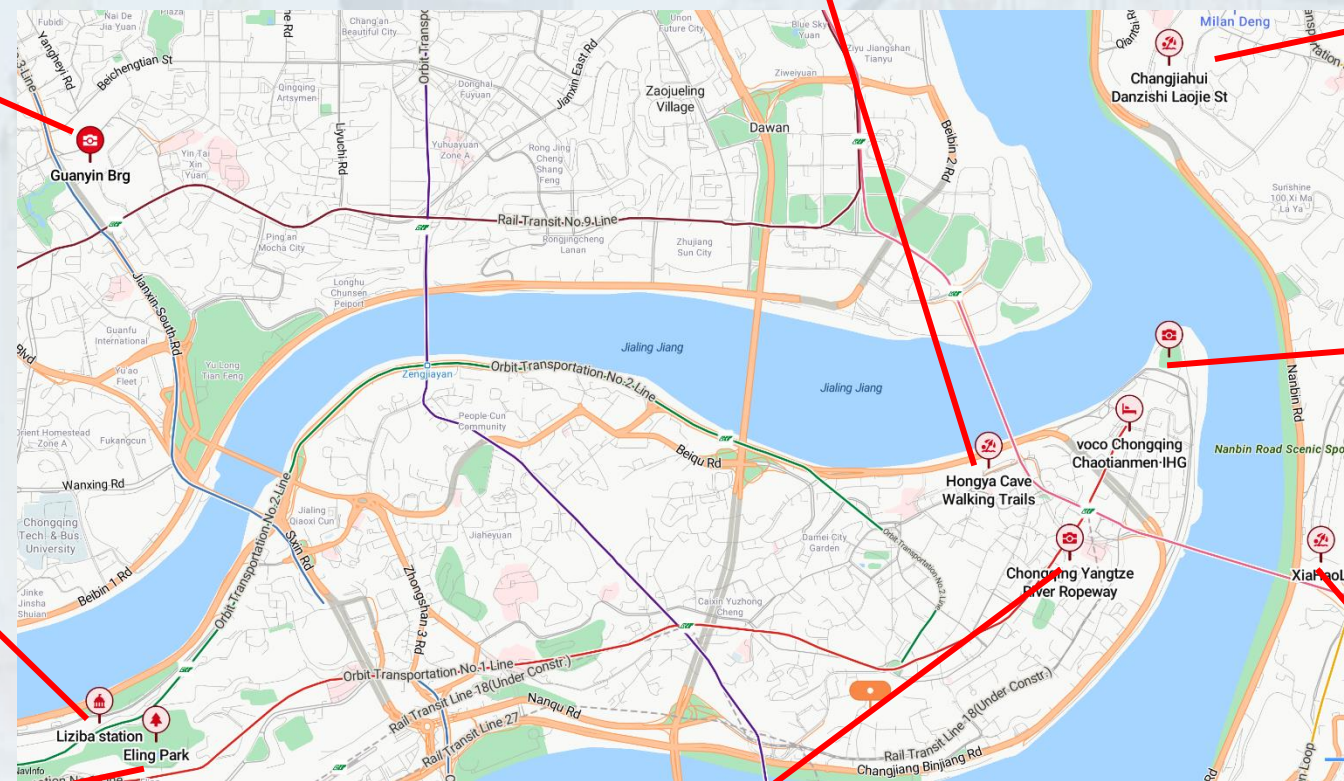
Guanyin Bridge (观音桥)



Hongya Cave (洪崖洞)



Danzishi (弹子石)



Liziba station (李子坝)



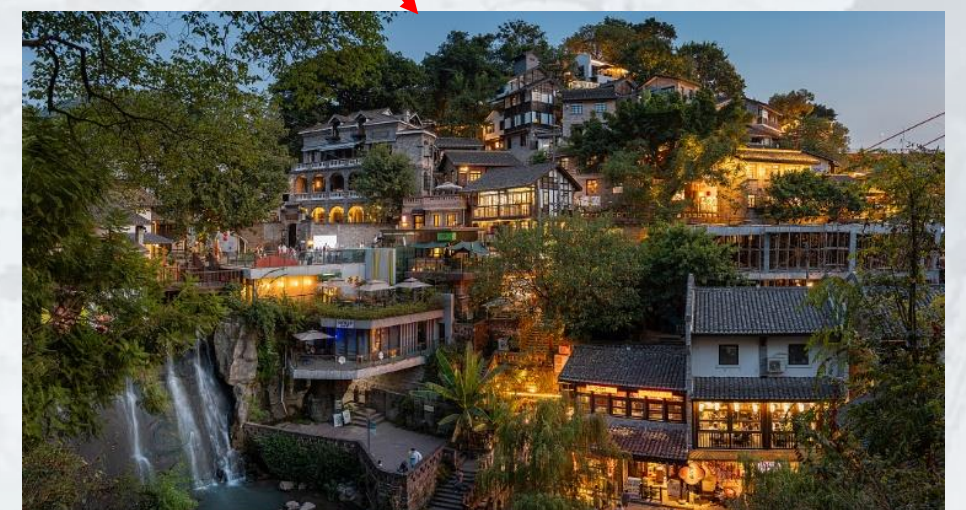
Chaotianmen Square (朝天门广场)



Eling Park (鹅岭公园)



Yangtze River Ropeway (长江索道)



XiaohaoLi (下浩里)