

## D. School 311

### Chapter 311 - Football lying gun

“Lv Qiu Jian led Bayern to achieve the Triple Crown of Albert! “,” Chinese players in the European arena! “,” Golden Bundesliga, UEFA Champions League double golden boots in hand, the Golden Globe Awards are just around the corner! ” “.. In this period of time, all the major media in China are going crazy, especially the reporters who do sports news. Every day when they open their eyes, they always want to slap themselves to see if they are dreaming. I never imagined Ah, Chinese players have such a beautiful day?

When Lu Qiu Jian scored so much in Bayern’s game, everyone may have thought that there will be such a day, but did not expect that the dream will be realized so fast, it is simply unacceptable for a time!

Countless media magazines use various channels to collect news desperately, trying to find out all kinds of headlines and want to attract readers’ attention. Now is the era of eyeball economy. The exposure rate of news can mean money. ! Some of them used European journalists to gather news, some directly log on to the official website of foreign media, find someone to translate a few news and then hang out their reporters’ hair, and some of them have no money and no ethics. They started Hu directly. Make up.

At the beginning, their focus was only Lu Qiu Jian’s feelings after winning the Triple Crown and the Bundesliga, and the European Championship double gold boots. By the way, although Lu Qiu Jian’s total goals in the Champions League are the same as his teammate Ma Kai They are all nine, but since Ma Kai’s two goals were penalty kicks, Lu Qiu Jian was still at the top of the shooter list.

However, as the information about winning the championship was unearthed, readers also experienced aesthetic fatigue, and the direction of the successor news gradually changed. Some sports media began to question in their newspapers why they did not call for Lu Qiu Jian to join the national team. It seems to them that as long as Lu Qiu Jian joins the national team, the Chinese men’s football team can immediately rank among the world’s top teams.

In fact, the majority of fans have already begun to yy Lv Qiu Jian’s scene of killing the Quartet after joining the Chinese men’s football team. This news immediately set off a storm, and the rest of the media saw the readers responded enthusiastically. They began to release their views on Lu Qiu Jian’s joining the national team, and some of them were eager to analyze the changes that Lu Qiu Jian could bring after joining the national team from a tactical perspective; some again missed Lu Qiu Jian for the national team and lost their participation next year It’s a pity that the World Cup is a chance; there are individual observations, detailed photos of Lu Qiu Jian on the sidelines and Magat

discussing tactics and interviews with other players of Bayern, pointing out that Lu Qiujiang not only plays football at the top level in the world. At the same time in the tactical guidance also won the praise of the famous coach Magath, worthy of a doctorate. The brain is easy to use, just let Lu Qiujiang also serve as the head coach of the national team!

Because of the promotion of these media, the fans' already high emotions once again reached a new high. Countless fans called on the Football Association to recruit Lu Qiujiang into the national team immediately and immediately through various means! The online signature for Lu Qiujiang's joining the national team has accumulated to tens of millions, and some radical fans even ran to the entrance of the Football Association's office building, holding up banners to criticize the Football Association officials for not doing personnel, huh, as if they said That's right!

The pressure of public opinion has tossed the officials of the Football Association miserably. It is obviously that Lu Qiujiang is unwilling to join the national team, isn't we not good? A lot of officials burst into tears, we are lying and shot!

Although it is said that the voice of the fans will not affect their official position, it is still a bit uncomfortable to be scolded so old. If you say that we are all waste, it is our responsibility now that the Chinese football team will end up now. Lu Qiujiang has nothing to do with us if he does not join the national team! We also thought that after he joined the national team and rushed into the World Cup to achieve good results, the leader gave us a promotion!

"Shall we formally send an invitation to Dr. Lu? If he agrees, naturally everyone will be happy, if he disagrees, can we also give these fans a statement? Do n't they suffer from indiscriminate disaster all day long?" The leader reports.

This proposal caused the unanimous approval of the senior level of the Football Association. After some consultation, a Football Association official boarded a high-profile flight to Germany. Then when he arrived in Munich, he found that Lu Qiujiang was no longer in Munich.

Many parties asked him if he could get Lu Qiujiang's phone through Shao Jiayi and dialed it. The phone rang for half a day .. Then no one answered and hung up automatically. This is the case after playing several times in a row. What is Lu Qiujiang doing? Why didn't you answer the phone? The Football Association official, while frustratingly guessing, put away the phone and prepared to call again later.

Lu Qiujiang was of course busy in Cern's laboratory. After a busy day, he took out the phone in his bag and saw a long list of missed calls. who is this? Seems to be a domestic number? Forget it,

leave him alone and talk about it when I call again! Anyway, the phone of one's acquaintance remembers himself, is this number a stranger at first glance?

After eating and returning to the room and turning on the computer, the phone over there came again. Lu Qiujian chose to answer this time. "Hello, hello. This is Lu Qiujian, which one are you?"

"Dr. Lu Hello, how are you!" The official of the Football Association took the tone of calling the leader to respectfully greet him. The head of the football team told him several times before he left. The high-level contacts are quite extensive, and it's not something that a cold-headed cadre can afford. "I'm Huang Ziwei, who is in charge of the national team at our National Football Association. I'm here in Munich to have an interview with you. May I ask you Where? Is it convenient for me to find you? "

"Oh, Mr. Huang, I am now at the European Nuclear Center in Geneva. I am afraid that it will take a while before I return to Munich." Is this to recruit myself into the national team?

"Geneva?" Seems to be in Switzerland? Would you like to stop by for a ride? Then buy a few watches for the leader? Huang Ziwei began to think about his careful thoughts, "Then I will rush over tomorrow, may I ask if you are free that day?"

"Recently, I am going to use the Large Hadron Collider to conduct experiments on dark matter, so the work is very busy. It is really hard to say when I am free!" If you have anything to say on the phone, will it save you some tolls? "

Do n't, I just have a reason to go to Switzerland for a lap, but this is a chance to catch it. After some persuasion, Lu Qiujian still insisted on his point of view, Huang Ziwei had to disclose his purpose, I am here to invite you to join the national team! "

#### Chapter 312 - Equipment maintenance

cpa300\_4 (); "I'm afraid I can only say that this is not the right time!" Lu Qiujian politely refused, the Chinese men's football team has lost the qualification to participate in the 06 World Cup, the next important competition is Asia in 2007 Cup, held in July 2007; calculated according to his work schedule, at that time it was probably that he had just received a doctorate and returned to China. This is a critical moment related to the implementation of his plan. It is necessary to strive for the nuclear fusion project in China The person in charge of the project must cope with the competition of domestic counterparts, ask for support from the country for funds, personnel, venues, etc. How can there be time to participate in the Asian Cup!

"I know that your study and work are very busy now, so I haven't disturbed you all the time!" If it is a general player, Huang Ziwei has turned his face, but Lu Qiujian is not a person he can offend, so

Bi Gong said with respect. “However, you also know that your performance at Bayern this year can be described as the best in Europe, so the voice of the majority of fans for you to join the national team is very high, so I took the liberty to visit!”

“Thank you fans for your support!” Hey, fans around the world are probably the most depressed of the Chinese men’s football fans, but now they can only let them down again, “But for me, football is only an amateur I do n’t want to put too much energy into this hobby, so I can only decline the invitation of the Football Association, and please forgive the fans! “

“That’s really a shame!” Although he said so in his mouth, Huang Ziwei’s tone did not mean much regret. He had long known that he was unlikely to invite success. The reason why he came was just to make a gesture In order to obtain the understanding of the fans, let the ears of the Football Association be quiet.

Now his low profile is enough, Lu Qiu Jian has clearly expressed his rejection, and his task can basically be regarded as completed. Of course, there is also the last and most important item, “then the Football Association can reject your invitation message And the reason to be published in relevant media? “

“No problem, but you need to consult with my agent about the specific wording!” If you let the Football Association say what the loopholes might be, these key words will be left to Liu Yuzhou! Lu Qiu Jian reported Liu Yuzhou’s phone to Huang Ziwei, and then hung up. This matter ends here.

Today Lu Qiu Jian was extremely busy, just hung up Huang Ziwei’s phone, and then Hernes called again, “Lu. Can you go to China with us before the start of next season?”

“I’m afraid not! Cern’s work has been very busy recently!” Lu Qiu Jian knew that there are countless Chinese companies now waving cheques to bring Bayern and him to China. “Needing overhaul, I still need the support of industry peers. , So that my own test plan can be passed! I think I’ll probably stay in Geneva for the next two months! “

“Isn’t there any time in three days?” Hernes asked unswervingly. This is not a fierce competition. As long as Lu Qiu Jian went to the court to take a lap, the sponsors would be satisfied. He could return to the country before the start of the game like the Champions League final, and leave immediately after the game. In this way, three days is enough.

“Don’t say for three days, I’m afraid I don’t even have three hours of free time!” Hey, if I have time, I will go to neon to see Xia Xiao, and then go back to China with her to visit her parents, but unfortunately I can’t spare time ! Hey, the World Club Champions Cup in December seems to be

held in Tokyo! Bayern will definitely participate as the European Champions Cup champion. At that time, I should have finished my work, but I can go to the competition and get together with Xia Xiao.

“That’s really a shame!” Hernes said the same thing as Huang Ziwei. Hey, it seems that this summer’s transfer budget will be slightly reduced.

“Let’s take a look next year. My time next year will probably be more relaxed. I hope I can make time at that time!” Lu Qiuqian comforted.

“Well, I wish you a smooth job!” A few more polite words, Hernes hung up the phone; thinking of Lu Qiuqian’s refusal to participate in the business tour, he couldn’t sleep.

Huang Ziwei and Liu Yu Zhou Mingming can discuss the press release directly in Munich. But Huang Ziwei had to come to Geneva to talk about what a good opportunity for public tourism. If all the flowers were spent in a city in Munich, it would be too wasteful; of course, Huang Ziwei would not reveal his true purpose. His reason might be One day, Dr. Lu will be free when he sees it!

The two of them confirmed the contents of the press release word by word in the cafe outside the cern area. Huang Ziwei played again in Geneva for two days, and went home with a bag of watches.

When the press release was published, the national fans finally stopped swearing against the Football Association; for Lu Qiuqian’s choice, except for a few extreme fans, most fans regretted it but could understand it. This is how the storm passed.

“Cheers!” In a hotel near Cern, Lu Qiuqian, Dr. Evans and all the members of the project team lifted up the wine glasses in hand to celebrate the success of the Higgs boson experiment. success.

Fill a glass of beer Dr. Evans excitedly patted Lu Qiuqian’s shoulder and said, “The experiment on the Higgs boson can finally come to an end! Lu, if not you , I think we probably wo n’t finish this work until next year or even the next year? “

“And, this is the case without any failure!” Lafayette came over and added, “If there is a problem, this time will continue to be extended!”

“So, what happened to my experimental plan? How did they evaluate it?” The mood to see Dr. Evans was very good. Lu Qiuqian asked in due course, he had written the experimental plan about dark matter to Evans. Doctor, after reading it, he reported it to CERN’s top management.

“They are still discussing, I’m afraid there will be no results in a short time!” Dr. Evans said with a smile. “However, the interest in dark matter has increased in recent physics sessions, and CERN has received many applications for dark matter experiments. , The level of people coming out is getting higher and higher, and I believe your plan is likely to be passed! “

“Oh? When will you get a definite answer?” Lu Qiuqian asked excitedly.

“From next week, a one-month inspection and maintenance will be carried out. If all goes well, a final answer will be obtained before the work is completed!” Dr. Evans replied firmly.

Then I will participate in the overhaul and maintenance, I hope this big baby will not have any problems.

#### Chapter 313 - Ding Zhaozhong

The circular acceleration channel has a circumference of 27 kilometers and a diameter of 3 meters; the detector is 26 meters long, 16 meters high, 16 meters wide, and weighs 10,000 tons; the ATLAS detector is 46 meters long, 25 meters high, 25 meters wide, and weighs 7,000 tons; CMS detector is 21 meters long, 15 meters wide, 15 meters high, and weighs 12,500 tons; bottom quark detector is 21 meters long, 10 meters high, 13 meters wide, and weighs 5,600 tons The full-section elastic scattering detector is 440 meters long, 5 meters high, 5 meters wide, and weighs 20 tons; there are two detectors, each 30 cm long, 80 cm high, 13 cm wide, and weighing 40 kg.

These are just a few of the main equipments. If you include his power supply equipment, control system, monitoring system, etc., you can imagine how much time it takes to complete such a big guy’s maintenance.

So when Kahn, Barak and others started the leisurely holiday with the joy of winning the Triple Crown, Lu Qiuqian was busy when the game schedule was the most intensive; Dr. Evans had already watched Lu Qiuqian He became his heir, so Lu Qiuqian was responsible for the work that could be given to others. He was only responsible for supervising to see if he made any mistakes, and reporting to the higher authorities. At the same time, he did not forget to help Lu Qiuqian. Things about the experimental plan.

“There are a few parts of the room temperature magnet of the detector that are weakened by magnetism and need to be replaced in time; there are several places in the pipeline of the ring accelerator where metal fatigue occurs, which may cause liquid nitrogen leakage in the later test. I

have marked the specific location and Inform the relevant departments to carry out repairs; and ...  
“Lv Qiujian held a thick test report to report to Dr. Evans after a busy day of work.

Dr. Evans listened to Lu Qiujian 's report, and marked the problems found on the computer on the three-dimensional model. After Lu Qiujian 's report was completed, he touched his chin and carefully read all the problems found today. It took a long time to say, “From the current situation, the overall condition is better than expected, maybe we can complete the maintenance in advance!”

“This is to pray that in the second half of the work, no more serious problems have been found than at present.” To date, the work plan for maintenance has been completed. According to the current feedback information, the status remains good.

“Your experiment plan is indeed better than what we did before!” Dr. Evans twisted the monitor to face Lu Qiujian and pointed to the red dots he marked. “Look, here, Here, and here, these problems are the loss caused by the first test according to the test plan we specified; and after using the test plan you made, the loss in these places has dropped significantly. After that, the blisters caused by multiple tests are not more than half of the first test! The reason why I think the state is maintained better than expected is because you have fully considered each component when formulating the experimental plan. The reason for the affordability! “

“There are also your strict requirements and supervision of this project in the past more than ten years!” Lv Qiujian calmly accepted the praise of Dr. Evans, letting the people of cern understand that their ability to control the experiment helps to pass the dark matter smoothly The review of the exploration experiment plan; at the same time, it is inseparable from Dr. Evans' meticulous work for decades to maintain such a state. Lu Qiujian said this praise is extremely sincere!

“I think I can give myself a vacation for some time. I haven't returned to Ireland for a long time since the Higgs boson detection experiment started! You are responsible for the maintenance work That's enough! “Dr. Evans said half-jokingly and half-seriously.

“You can do this! I am afraid that you can only have a few days of free time in the recent past. If the dark matter experiment is officially launched, you will probably be more busy than before?” Lv Qiujian also enjoyed the respectable senior's ability to take a break, Lin After all, Dr. En Evans is almost sixty years old, and all functions of the body are in decline. It is incomparable to ordinary young people, not to mention the evildoers like Lu Qiujian!

“I look at the work schedule in the future!” Dr. Evans stood up and walked in front of the large work schedule posted on the wall. After a moment of careful thought, he said happily, “There will be no difficulty in the next five days of work. You can lead them through! The work on the sixth

day involves some areas that you have n't carefully understood before, and probably need my assistance on the spot! It seems that I can really have another short vacation! "

"Then take a break at this time!" Dr. Evans' judgment on his subsequent work is basically the same as his, and Lu Qiujian continued, "If you are going back to Ireland for a holiday, then bring me a few bottles of beautiful bars when you come back. ! I have been salivating for Irish whiskey and dark beer for a long time! "

"Of course!" Dr. Evans agreed happily. "I have more to bring, the celebration party just after the inspection and maintenance can be used!"

The next day Lv Qiujian sent Dr. Evans to the airport. After returning, he started a tense and busy work. Today, no major problems were found, and Dr. Evans sent a text message that everything went well. Lu Qiujian let his team go off work.

Lafayette can go back to rest, but Lu Qiujian has to continue to be busy. Their current work only includes maintenance, and Lu Qiujian also promotes the dark matter experiment, and reviews and trains the manuscript of the mathematics journal he runs. The three students of Beijing Normal University, the work of Professor Xuft's laboratory, and other tasks need to be completed.

Is different from usual. Today he did not return to his residence immediately after finishing his work, but went to the office of another project team in cern. He and the project leader Professor Ding Zhaozhong had an appointment to meet today.

Professor Ding Zhaozhong has led the work of the alpha magnetic spectrometer project in cern from a long time ago. This is a large-scale particle physics experiment that will specifically observe electrons, positrons, protons, antiprotons and nucleons under high-energy radiation in space. Evidence of the existence of dark matter and antimatter is also an important purpose of this project team.

It can be said that Professor Ding Zhaozhong 's current work shares the same path with Lu Qiujian, and as a world-class experimental physicist, Professor Ding Zhaozhong 's influence is very large; Lu Qiujian 's appointment with him this time is very important The purpose of is to try to persuade him to support his own experiment plan!

#### Chapter 314 - AMS project

Ding Zhaozhong is no stranger to the Chinese, but most people probably only know that he is the winner of the Nobel Prize in Physics. In addition, he knows at most that if the three brothers of the Ding family have a younger brother named Ding Zhaoguo or the Ding Zhao tribe, as for him It's probably impossible to say what research is actually done.  $\Sigma$



Ding Zhaozhong and Ann Arbor, who was born in the United States in 1936, later returned to Baodao to study with his parents. During his undergraduate studies, he did not actually study physics, but engineering machinery! By the way, the ruffian Tsai, one of the originators of our web-based Kaishan, is also a student of this school. He is studying water conservancy projects.

Later, he went to the University of Michigan in the United States for further study, and received a bachelor's degree in mathematics and physics, and a doctorate in physics. After graduating from the university, he received funding to go to cern for work. At that time, cern was just established soon. Master Heisenberg!

He then taught at Columbia University for a period of time and was invited to the Desi Electron Synchrotron Research Center (desy) in Hamburg. Since then, he has officially entered the field of particle physics research and demonstrated superhuman talent; In two years, he conquered all his colleagues and became the head of the German Electron Synchrotron Group; he found that the experimental method of the J particle was successful here.

Then he traveled around the world, and his core areas in physics, such as MIT, Brookhaven National Laboratory, and the American Physical Society, all left him; in 1974, he discovered a long-term in Brookhaven National Laboratory. The discovery of the neutral particle with longevity and its name as the j particle proved that the three quark theories popular at the time were wrong and promoted the long-term development of physics.

Professor Ding Zhaozhong also won the Nobel Prize in Physics in 1976 with Professor Richter of the Stanford Linear Accelerator Center; from the above information, it can be seen that high-end equipment is almost indispensable to achieve success in the physics session. Less! Therefore, the reason why no one in China has won the Nobel Prize so far is not because of the illusory system (the Red Empire has not been rare in the first place). It's a matter of investment! If Huaguo builds world-class accelerators soon after the founding of the People's Republic of China, there will definitely be a lot of Nobel Prize winners in these decades!

Shortly after winning the award, he introduced an invitation to visit China, and organized Chinese physicists to work and study in his laboratory, to feel the world-class academic atmosphere, and made outstanding contributions to the development of Chinese physics.

With the in-depth study of dark matter, antimatter and other issues, he found some existing detection methods. Such as large colliders, high-altitude balloons, underwater exploration, etc. have their own limitations, and it seems that they cannot meet the needs of dark matter exploration.

So he opened a new path, and proposed a very bold and very thorough idea, that is, to build the adventure room directly into space, collect the most real data from space, and send it back to the ground for analysis. So there is AMS-Alpha Magnetic Spectrometer.

In 1998, he began to take over the work of CERN's Alpha Magnetic Spectrometer (AMS) project, AMS is a precision particle detection device installed in space, is currently the highest sensitivity. It is also the most complicated and expensive dark matter detection equipment; it is planned to be completed in cooperation with 16 countries, and the manufacturing cost is expected to be 2.1 billion US dollars.

Of course, Hua Guo will not miss this opportunity. A total of eight research teams from the High Energy Institute, Qilu University, Modu Jiaotong University and other units have participated in this great project, which are the core components of the Alpha Magnetic Spectrometer-magnets. The system, the structure of the magnetic spectrometer calorimeter, the heat dissipation system, the experimental system of the magnetic spectrometer, the antimatter detection system and the ground data processing system have made decisive contributions.

Taodao also has scientists involved, Zhongshan Academy of Sciences. An electronic control system designed to run 10 times faster than the current NASA system was designed for the project.

However, it is regrettable that due to the accident that occurred in the space shuttle Columbia in 2003, the government of the United States readjusted the space development plan and grounded all the space shuttles, and the plan to enter the space with the Alpha magnetic spectrometer was canceled. Therefore, Professor Ding Zhaozhong's main job in the near future is to lobby the US Senate and the House of Representatives to restart the spacecraft launch program.

This is for this reason. Therefore, Lu Qiujian didn't wait for the opportunity to communicate until today after contacting him early; just met. The first thing Lu Qiujian noticed was his distinctive eyebrows and eyes; Professor Ding has been sparse for a long time, but his spirit looks really good, but there is a touch of worry that cannot be covered between the eyebrows. Worry about the future of Alpha Magnetic Spectrometer!

"Professor Ding, I'm here to disturb you when you are busy. It's really embarrassing!" Lu Qiujian saw him stand up from his chair. Quickly stepped forward to shake hands and greet.

"Recently, I have been busy with things that are totally unnecessary but have to be busy. I can't say anything to bother you!" Perhaps the recent lobbying was not so smooth. Ding Zhaozhong couldn't help but spit out a sentence, but he didn't speak to Lu Qiujian. Echoing him again, he turned the

topic to dark matter to meet with those politicians. It is better to exchange the latest research results with your peers. I have read a series of recent articles on dark matter and wrote very insightful! “

“I believe that after the response of the Columbia gradually dissipates, the United States will still pass your plan!” Lv Qiujian said with consolation. In fact, the United States passed his application three years later, and the Alpha magnetic spectrometer was delivered by Endeavour. To the International Space Station, “Because ‘If the International Space Station has no science, it will lose its meaning’!”

“Huh?” Ding Zhaozhong heard Lu Qiujian’s words, and said, “Your words are very good! Very inflammatory and persuasive. If you don’t mind, I want to use them in my speech!” Professor Ding Zhaozhong also had some skills in his speech, and immediately tasted the extraordinariness of Lu Qiujian’s sentence.

This is what you said in your speech. Lu Qiujian was a little embarrassed. “Despite your use, I feel very honored if it can play a small role even if it is quark!”

“The universe is the broadest laboratory. The energy of the cosmic rays is higher than any accelerator. The existence of the International Space Station provides extremely convenient conditions for the exploration of dark matter. Although the matter of the Columbia is a pity, if it is abandoned because of an accident, all Would n’t the space exploration plan become a waste of food because of choking? ”The sentence just now won Ding Zhaozhong ’s favor, and he soon chatted with Lu Qiujian about his plan!

Chapter 315 - stand by

“Although I don’t see the hope of ams going into space for a while, I still have to do my work! If you are not just in Geneva these days, I am afraid it will take a long time before I can see me! The professor agreed to go to him to see the latest research results of heat dissipating components! By the way, I will go back to my hometown and take a look! “Professor Ding Zhaozhong’s hometown was in Rizhao, Shandong Province, and it was indeed a smooth journey to Qilu University. △

Professor Ding Zhaozhong said that Professor Cheng is the chief scientist of China’s National Key Basic Research and Development Program (973 Program), and also the chief scientist of the thermal system of the ams project; he was only in his early forties this year, which is called young and promising compared with others; he He once won the second prize of the National Science and Technology Progress Award in 2002. He also participated in the National Science and Technology Commendation Conference last year, so Lu Qiujian had a close relationship with him.

“The thermal control system of the silicon micro-stripe trajectory detector designed by Professor Cheng is very good. I met him last year.” Lv Qiujian only had a hurried chat with Professor Cheng

last year, but in his super memory Let him remember every detail of the conversation between the two.

“It showed exceptional temperature stability in the thermal vacuum test conducted by the European Space Agency. It can be said that there is no Alpha magnetic spectrometer experiment without the thermal control system of the silicon microstrip trajectory detector.” Ding Zhaozhong agreed, suddenly he Seems to remember something, “Have you seen him at the China Science and Technology Commendation Conference last year?”

“Yeah, at the dinner after the conference, we introduced a few words after the introduction of Director Chen of the High Energy Institute. Unfortunately, the time was short. At that time, I wanted to ask him about ams without any chance!” Lv Qiu Jianlue Say with regret.

“Did you receive the first prize of the natural sciences at that time?” Ding Zhaozhong has a close relationship with the Chinese scientific community, and the Chinese science and technology commendation conference has not yet passed the big leak of the later generations, and his reputation has not been damaged, so he also Knowing the names and achievements of some major winners, “I heard that Poincaré had been guessed by a Chinese before I was in the country! Unfortunately, I was busy at that time and I couldn’t visit Princeton!”

“Professor Thurston and Professor Hamilton’s work cleared the way for me. All I did was push the door lightly!” Lu Qiuqian said modestly.

“Ho ho.” Ding Zhaozhong laughed at Lu Qiuqian. “You are humble and almost hypocritical this time! Don’t forget that I also have a bachelor’s degree in mathematics. To be honest, I was also interested in world-wide problems such as Poincaré’s conjecture and Fermat’s theorem. But I tried a few times and found that I wasn’t the one who gave up! “

“If you study mathematics, you will certainly be a world-class mathematician, but you may not be able to achieve your current results! Your choice has made a world-class mathematician less than a world-class mathematician. Lun’s experimental physicist! The whole physics session will be grateful for your choice! “Lu Qiuqian also joked.

After making a joke, the relationship between the two people became much closer. Ding Zhaozhong introduced to Lu Qiuqian with regret the role that ams can play after entering space. The biggest black cloud of modern physics in the early 21st century, it will herald another revolution in physics. ‘And ams is the hope to drive away this black cloud. Because there is no atmospheric obstruction in space, there is not so much interference on earth, so we It can detect much more cosmic rays than on Earth. According to my calculations, after ams enters the National Space Station, it can collect

15 billion to 20 billion pieces of data every year, much more than the total data collected by scientists in the past 100 years. .. “

Lv Qiuqian quietly listened to Ding Zhaozhong's words. The detection of AMS and the detection are two ways. If you compare what happened in the history of physics, the work of AMS is like Madame Curie, who extracts radium in asphalt mines. They all search for what they want from the existing substances and information through a lot of work; while the work is more like the chemist of the United States and the president of the University of California Berkeley Glen-Theodore-Siborg, he uses a total of nine new elements were prepared by the method of accelerator driving protons to bombard uranium targets, which not only won him the Nobel Prize in Chemistry, but also was awarded a special honor by the International Union of Pure and Applied Chemistry-named the periodic table of elements with his name. On the 106th element Xixi. Breaking the convention of not naming a chemical element with the name of a surviving person, he chose to create a new substance by himself, and then discovered it!

These two methods do not conflict, and AMS may not be able to do what can be done. And AMS can also solve many uncertain problems!

The topic is well-rounded, and it is estimated that the time is almost up, and the atmosphere before the two is just right. Lv Qiuqian finally expressed his intention, “Professor Ding, have you seen the experimental scheme I sent you before? I don't know if you can give me some advice!”

“Don't dare to give pointers, even if it is to communicate with each other!” After this period of discussion, Ding Zhaozhong highly appreciated the strength shown by Lu Qiuqian, and in his heart raised the high evaluation of Lu Qiuqian by a few points. After reading it, I think it is extremely operable. If it can be implemented-of course, this plan should also be implemented as soon as possible. The result will have an overwhelming result; but I still want some details. Ask your thoughts! “

“But most people in CERN still have concerns!” Lu Qiuqian felt with emotion. It was easier to persuade CERN's top management to agree to his plan than to convince the US Senate and the House of Representatives to agree to the space shuttle loading AMS into space!

“Science is the majority obeying the minority, and science can only move forward when the minority overthrows the majority opinion. Therefore, expert review is not absolutely useful, because experts use existing knowledge, and the progress of science is to overthrow existing knowledge. “It seems that Ding Zhaozhong has not experienced the same experience as Lv Qiuqian these days, and said with emotion; Lv Qiuqian is faced with an expert who is always easier to communicate with than laymen. Communication is called depression.

In his tone, Lu Qiujian even tasted a little bit of heroism. This spirit of perseverance is worth learning for all those who are interested in scientific research.

After the emotion, Lu Qiujian gave a detailed answer to the details of Ding Zhaozhong's attention. The time for the two parties to communicate far exceeded the time for the appointment, but Ding Zhaozhong did not feel dissatisfied. He delayed his daily routine again and again, and finally he was one side Having dinner and discussing, I was finally satisfied with the difference at night, and expressly supported Lu Qiujian's plan.

Chapter 316 - plasma

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Hua Guo, in a large auditorium in Jiangnan Province, Qin Feng took the lead after leaving an important report. The rest of the delegates waited until the end of the meeting to go out from the venue wave by wave, they did not directly Going home, on the contrary, they came to their familiar places in teahouses, offices, and homes in groups of three to five. They began to study and analyze Qin Feng's speech today, and carefully study how the speech today will affect the future development of Jiangnan Province. .

".. From now on, our big boss in Jiangnan Province is a little dissatisfied with the current form and wants to make some changes." In a quiet teahouse, several officials who are like officials are having serious exchanges. "" .. We should pay attention to our work in the future, don't hit the gun .. "

At the end of the discussion, they thought they had grasped Qin Feng's ideas, and the topic gradually changed to light. They began to talk about the various gossip in the political arena of Jiangnan Province recently. A man with gold glasses suddenly said, "Oh, you Noting that no, the secretary brought by Qin Boss was replaced today. Wang Da Mi does n't know why he did n't come with his boss? Is n't it out of favor? "

"Not only today, no one has seen Wang Da Mi next to Boss Qin from the day before yesterday!" Someone's news is more informed. The movement of the secretary around the highest official in a province has always been the focus of officialdom. Wang Yang has disappeared for a few days. Someone will ponder the deep meaning of this situation.

"Is the King Hall going out? Now there seems to be no suitable space in Jiangnan Province?" This is a guess for the good. Wang Yang is now a deputy hall-level cadre, so they call it the King Hall.

"If Wang Da Mi is released, at least it will be a leader of the game or the executive of a prefecture-level city." Some people spread out along with his words, analyzing several possible destinations of Wang Yang, and at the same time wondering whether he could learn from it. Obtaining benefits, "I

heard that the executive deputy of Changshan City is going to be transferred. Wang Da Mi may be where he is going this time!”

“No, there is no sign of moving in Changshan City recently. I think it is more likely to be the director of Bureau XX!” Immediately, someone pointed out a possibility.

“The news I heard is not the case. It is said that Wang Dami has not done a few things in a row recently, making Boss Qin angry and may have to replace him.” Some people even told a negative news. Suddenly aroused great interest from everyone, speculating on exactly where Wang Yang offended Qin Feng, and who might be replacing him.

Of course, if they go to the provincial party committee to find out, the truth will be revealed. Wang Yang recently took a leave of absence, saying that the tenth anniversary of his wedding is coming, and he will take his wife to go abroad for a holiday. As for the specific route, is it the conventional route for Chinese people in France, Germany, Switzerland and other countries to travel to Europe? . But is the fact as simple as it appears on the surface? I am afraid only Qin Feng and Wang Yang will know about it.

“I said that the surname is Wang. I’ve only half walked on the Champs Elysées, and Galeries Lafayette hasn’t even entered! You are leaving Paris? What do you mean!” On the sofa of the hotel, he looked at him vigorously, so you could not explain clearly the posture of the old lady and you.

“As far as my salary is concerned, you can’t afford to buy it when you go in! Isn’t it uncomfortable to just buy it?” Wang Yangzhe refused to tell the truth. “Hurry up and pack up, let’s go to Munich tomorrow!”

“If you don’t go, I haven’t visited enough in Paris! And France has many places worth seeing besides Paris, such as Bordeaux and Prince Vence. What fun is Germany?” For women, Germany is indeed not as attractive as France. force.

“Chang Chang! I came out with a mission this time! I have to go to Munich to do something, don’t you bother me?” Wang Yang had no choice but to reveal a little wind.

“Is there a task?” Li Chang looked at him for a long time. After confirming that Wang Yang did not seem to be telling lies, she started to pick up her luggage helplessly.

The party hurriedly left Munich and rested for one night. Wang Yang accompanied Li Chang to visit places of interest such as the Brandenburg Gate in the morning, and returned to the hotel to take a

rest at noon; when Li Chang woke up from his sleep, he just saw his husband packing up the line, looking as if he was going to Go out. “Where are you going?”

“I went to the consulate general and I can’t go out with you in the afternoon, but I helped you find a local guide. She will accompany you throughout the trip. I put some euros in your bag, and the card is also inside. You take care of yourself!” Wang Yang turned around and replied slightly apologetically.

“Going to do things?” Li Chang’s tone was a bit worried, her husband’s mysterious look, shouldn’t he do something that should not be done?

“Well, don’t worry, there won’t be any problems!” Both are old husbands and wives, and Wang Yang wouldn’t see her thoughts and said comfortingly.

“Oh, then be careful! I won’t go out in the afternoon. I will rest in the hotel and wait for you to come back, and then we will go to dinner together at night!” Li Chang said.

“Well.” Wang Yang nodded. “But if I don’t come back by six o’clock in the afternoon, you will eat it yourself!”

After coming out of the hotel, Wang Yang changed three taxis in a row before arriving at the Chinese Consulate General. Today’s consulate is particularly lively. The words “Munich Chinese Overseas Chinese Association” hang above the gate, and it looks like what is happening activity.

At the door, someone immediately greeted him and took him in. Turn inside and turn left and right to a small room. After waiting for a while, Lu Qiuqian, who was here to meet in Munich, finally entered the room Dr. Lu, hello, hello! “When he saw Lu Qiuqian, Wang Yang quickly stood up and greeted with a low voice.

“I said how the consulate looked mysterious, it turned out that Wang Da Mi was here!” When he saw him, Lu Qiuqian also understood the purpose of the familiar military officer who invited himself to join the fraternity.

After the greeting, Wang Yang said, “The boss told me that the information you provided last time was very useful. He asked me to thank him for your contribution to China.”



“It’s nothing, they think it’s useful!” Lu Qiujian didn’t talk, he knew that if he just wanted to thank him, he didn’t need to send someone to come.

Sure enough, Wang Yang revealed his purpose immediately after thanking him. “The boss asked me to ask, what other research have you done? Is there any information I want to bring back?”

“In terms of plasma, I also have some ideas!” Lu Qiujian had already thought about how to deal with this situation. “If your boss wants you, you can help me bring him!”

Chapter 317 - The second batch of information (12/33)

“Did Dr. Lu say anything else?” Qin Feng asked, staring at the USB disk Wang Yanggang handed to him, wondering what valuable information is inside?

“Dr. Lu said that he planned to return to China, but unfortunately it was just a critical moment to decide whether his research plan can progress smoothly, so he couldn’t get away and could not return to China, so he had to send back a document first!” Wang Yang Reposting Lu Qiujian’s remarks to Qin Feng, “Dr. Lu said that this material is about plasma, and it should be helpful to domestic research. Please give it to relevant domestic institutions. The method of reading the data is the same as last time. ! “

“Hmm!” Qin Feng understands that Lu Qiujian said that the password of the u disk data is the same as last time. After thinking of the last review of the data, Director Tao almost called himself every day to ask the information provider for information. He was particularly sorry for why Lu Qiujian stayed abroad now.

“Plasma is an ionized gas-like substance composed of positive and negative ions produced by the deprivation of some electrons and atomic groups after ionization. It is widely present in the universe and is often regarded as the removal of solid, liquid and gas. The fourth state of existence. “As a secretary, he naturally wants to dispel doubts for the leader. Wang Yang did n’t speak to Qin Feng and immediately explained to him what plasma is.” Plasma physics is the basic field of fusion energy research. Jingshi University Plasma research is currently the most advanced in China and one of the national key disciplines. Many scholars have participated in the International Thermonuclear Experimental Reactor Program. “

These are all information he only heard through the professor of the Department of Physics of Jiangnan University after returning to China. It was only due to the time rush and confidentiality. He did not hear more detailed information. The excuse he used was the recent entrance exam of a relative’s child in Gary. I want to apply for graduate students in this direction, so I came to consult.

“Then take a trip to the Ministry of Science and Technology while taking a break back to Beijing this weekend! You can help me to ask Director Tao, and let him find some reliable and academic experts in plasma research! Qin Feng ordered.

Research of plasma! The Chief Tao, who put down the phone, thought about it again. Which experts in China are at the same time triton and plasma experts? If you think about it carefully, it seems that there are quite a few experts in these two research fields, but there are not many experts who are proficient in both fields at the same time!

Is it possible that Qin Feng took a research institute of Lao Maozi out of it? But the style of that document last time is not very similar to that of Lao Maozi? Director Tao couldn't help but get up, of course this was just his guess, and he didn't dare to disclose it to others. What if a major national plan goes bankrupt because of a leak? He can't afford this kind of responsibility.

Forget it, don't think about it, let's do what we should do, he picked up the phone again. “Less than, help me sort out a list of the top plasma experts in China. Remember, it must be politically reliable!”

For a moment, the list was placed on his desk. Secretary Tao looked at it and asked one or two sentences from time to time, “This Professor Xu is now participating in the research of the International Thermonuclear Experimental Reactor in Europe?” After getting a positive answer, he crossed a line under Professor Xu's name , Excluding him from the candidates for this data review.

I do n't think Professor Xu is unreliable, but because he wants to participate in the international cooperation plan for a long time. If he reveals some information in his work, he will inevitably cause unnecessary trouble. Since Qin Feng is so cautious It's better to be more careful!

After careful selection, Director Tao determined a list of three people with two main and two subordinates, “less than. Call these three professors and ask them to come to the ministry this weekend. Some information about plasma needs them to carry out Review! You will clean up the room last time, and tomorrow will be the same as last time! “

Secretary Yu went out and returned to report, “Boss, Professor Du and Professor Ke promised to come on time. Professor Zhu will host an academic meeting this weekend and ask if he can reschedule?”

“Then forget it, there is no need to replenish manpower, and the two professors are almost the same!” Director Tao knew that this time was the same as last time. These two professors can only

make a simple evaluation of the data. As for determining whether the data really works or need an experiment.

Three days later, Qin Feng once again entered Secretary Tao 's office. "Welcome Secretary Qin to the Ministry of Science and Technology to guide the work." Director Tao half-joking and half-seriously greeted.

"I can't talk about any guidance work. I came to seek help from the Ministry of Science and Technology!" Qin Feng came to the sofa and sat down. Secretary Yu quickly delivered tea, and Chief Tao and Qin Feng chatted.

"This is the information this time! The password is the same as last time." Qin Feng took out the U disk and handed it over, "You first look at how long it will take to complete the review!"

"Properly Professor Du of Beijing Normal University and Professor Ke of the University of Science and Technology are in the department, I will first show them both!" Director Tao took the habit of looking around and said, "Professor Du and Professor Ke are both old A generation of scientific research workers. It is at a world-class level in plasma research. "

"Well, you do things, I'm at ease!" Qin Feng knew that the reason why Director Tao deliberately emphasized the words of the older generation of scientific research workers was to illustrate their reliability.

"Then I will go upstairs first." Director Tao nodded and took the USB flash drive to get up. Qin Feng's face is still well-known. In case it is recognized by the two professors, it may be a little trouble Therefore, no invitation was issued.

"Professor Du, Prof. Ke, you two have been waiting for a long time. This is the data that needs to be reviewed this time. Please review them!" Director Tao inserted the USB disk into the computer and entered the password to bring up the file. "You two Let 's see how long it takes to complete the review? In addition, the confidentiality of this document is very high, so please do n't pass it on. "

"Well, we understand!" Since Professor Du and Professor Ke are both older generations of scientific research workers, they are naturally familiar with this set of procedures, not to mention for them, as long as the information is useful, I call him from the American The old ones were bought from Lao Maozi.

The two of them whispered a few words while browsing the file. Chief Tao looked at the screen curiously, while looking at the wrist watch from time to time, Qin Feng was still waiting in the office.

“There are many verifications and calculations involved. If we are given the right equipment, we can draw preliminary conclusions in about three days, but we may have to conduct an experiment to finalize it. There will be results in about three months!” After reading the document, Professor Du reported to Director Tao.

#### Chapter 318 - Forward planning

“Then two of you will have a review in the ministry in the past few days. Less than that, you have arranged the life of the two professors; when the review results come out, we will discuss the next step in the experiment!” The result, Tao The director proceeded according to the scheduled plan and thanked the two professors again. He hurried to report to Qin Feng.

Prof. Du and Prof. Ke started from the concentrated research. According to the classification list of subjects involved in the nuclear fusion technology issued by the Nuclear Fusion Technology Seminar There is a close relationship, namely:

Experimental fusion equipment and auxiliary facilities, plasma heating and current drive, plasma engineering and control, diagnosis, data acquisition and remote participation, magnets and power supply, plasma straight parts, vacuum chamber / in-cavity engineering and remote control robot arms, fuel circulation and Fuel regeneration layer, materials science, power plant safety and environment, socioeconomics, laser and accelerator technology.

Among these eleven subjects, three are all related to the study of plasma. The importance of plasma for nuclear fusion technology is evident.

This name may be unfamiliar to everyone, but if it is replaced by Treasure Island 's translation of this term, plasma, you may feel a lot familiar. Many science fiction works use plasma guns and plasma guns as weapons; they are currently manufactured in the physics session The method of nuclear fusion is to find a way to superheat the plasma in the superconducting tokamak system, compress the density of the nuclear fuel and increase its temperature, thereby initiating nuclear fusion.

However, this method will cause a series of problems. The popular understanding of plasma is that it is a free and charged gas; the most important thing is the restriction of plasma. The fundamental reason for the difficulty of plasma restriction is its extremely high freedom. Energy, and once the fusion occurs, new alpha particles (the fusion capacity that can be constrained) bring new and higher free energy, which will generate new instability and damage constraints. This is the hottest

field of plasma research. Attention to such a high degree of attention to this issue and do not understand. There is also the discharge of the ash in the plasma (the Alpha particle energy is reduced to be the ash, which is similar to the ash left in the boiler, and it cannot be burned without being discharged). Ash discharge is to weaken constraints. It makes the ash easier to discharge than deuterium and tritium, which have close mass and charge energies. This is contrary to the pursuit of high plasma constraints, which means that an operating mode must be found. The constraints must be good to maintain deuterium and tritium at high temperature and high density. If it is not so good, the ash can be effectively discharged; so the main task of fusion plasma is to realize the restriction and control of the plasma.

Of course, to achieve controlled nuclear fusion is far more than this problem. In addition to the constraints and ignition problems mentioned earlier, there is also the supply of tritium, pollution caused by neutron radiation, etc., but if the plasma The constraint problem can be solved, and humanity is undoubtedly one step closer to achieving controlled nuclear fusion.

Both Professor Du and Professor Ke have been immersed in plasma research for many years. I am well versed in the development status and bottlenecks in this field. When I saw this breakthrough material, I immediately immersed myself in it. After Secretary Yu arranged drinks, snacks and other things, she quietly withdrew to the room where they were staying for a moment, and had three meals a day.

“Three days!” Qin Feng said regretfully after receiving the restoration of Secretary Tao. “Tomorrow I will have another meeting that I have to participate in. I will go to the following counties and cities to inspect the work the day after tomorrow. I heard the results of the feedback for a while! “

“You can rest assured that as soon as the result comes out, I will call you as soon as possible whenever I can!” Director Tao immediately made a guarantee. At the same time, I also expressed my own difficulties, “but the results after three days are only theoretical. If you want to fully understand the value of this material, you need to conduct experiments; you know, experiments in this field are quite expensive, even It can’t be described by burning money. This is simply burning gold bars! So if the data is determined to be valuable at that time, you need to conduct a test verification. You need to help in this regard! “

Although Qin Feng is only the secretary of Jiangnan Province, his ranking in the central government is not low. If you use your own influence, it will be of great help to obtain funding for the experiment.

“I have considered this issue before!” Those who can sit in this position will not consider these issues, “According to my expectations, this time the information will definitely not be the last one. If you re-test every time If you apply for funds, the efficiency is too low, and you can’t afford to

delay it! So my idea is to apply for a special fund for the cost of related experiments, and then just review and approve from your ministry!

“But how to write this budget?” Director Tao said with a wry smile, he still doesn’t know how much the next plasma experiment will cost, let alone when there will be future materials, when will be carried out at that time It’s a big question to think about what experiments.

Qin Feng nodded when he heard this. Of course, he knows these problems This is only a problem in the theoretical verification stage, and there is a problem in the specific implementation stage later. The funds required at that time are not at the same level as the current ones! “So you need to have a long-term plan, you first make a report, go back and find a time, I will talk with your minister, and then find the above reflection, be sure to solve this problem!”

“Now I don’t even know where the information came from or what kind of information will be available in the future. How do I report this?” Secretary Tao continued to complain. “If you can let the information provider come forward, let me know the successor. Plan, I can only write something at all! “

Hey, why did Lu Qiujian have to return to China for more than a year? Qin Feng once again sighed in his heart. If he is willing to come back, his safety can be guaranteed in the country. The problems that Director Tao said can be solved logically, but now he obviously cannot come back to solve these problems.

“Regarding this issue, let me solve it!” It seems that only I have sought the help of the senior management, and Qin Feng took the burden decisively.

“Then trouble you!” Mr. Tao breathed a sigh of relief. This matter was absolutely impossible for him. Seeing that the biggest problem has been solved, he talked about other things. “When are you going to talk to us?” Meeting with the Minister? The Minister heard that you want to come and think of meeting you early, but you did n’t bother to disturb just because you did n’t know your thoughts. “

“If he is convenient, tonight?” Qin Feng said.

#### Chapter 319 - Yun Kaiyueming

After Prof. Du and Prof. Ke finished reviewing this information and gave a very high evaluation, Qin Feng used his personal connections to get the resources they needed for the experiment. The two of them started the tedious verification work.

At the same time, in cern, Lv Qiujiang 's trial plan also reached the final stage of review; Rolf Hoyle sat at the conference table and watched the representatives from various member states of cern, "Come on, let Let 's review the plan! Whether it passed or not, it 's time to give an answer! "

"Has the inspection and maintenance work been completed?" The representative from Portugal asked. Portugal has been a full member of cern since 1985, but they do not have a large share of the cost, and there is not much physics that can handle it. Therefore, Cern 's right to speak is relatively limited. If the scientists who submitted the report this time were not scientists from China, but scientists from the United States or Germany, he would not speak at all.

"The current state is very good. The test plan for the Higgs boson provided by Lu previously fully considered the bearing capacity, and no major problems were found during the overhaul and maintenance process!" Dr. Evans frowned. Said that he had a very pleasant holiday before.

"I see that the energy level expected in this test plan is higher than the 8tev required for the Higgs boson experiment. Can it withstand this energy level?" The representative from Greece asked, Greece is one of the founding member states of cern One, but they can't afford much to support cern.

"No problem at all!" Dr. Evans has full confidence in the big guy he built. "According to the design, it can withstand up to 14tev level of energy. The experimental plan submitted by Lu did not exceed this energy level. bear!"

"I think it's better to be cautious. It's better to start with 9tev and 10tev gradually. If no problems are found in the course of the experiment, then conduct the experiment designed by Lu!" The representative of Greece still hesitated. I do n't know if he applied for benefits from the government of their country or the Greek government applied for assistance from other EU member states.

"The experimental protocols submitted at the 9tev and 10tev energy levels are not perfect, and these are all about the Higgs boson or the experiments that we have achieved results before. If continued, it will be a valuable fund for cern. Great waste!" Rolf Hoyle shrugged. From his experience, it can be judged that these experimental schemes are not of great value.

"So okay, I have no opinion!" The representative of Greece also shrugged and replied. The reason why he spoke was just to brush a sense of presence, and it is time to rest when the sense of presence is over! This kind of occasion has always been the time when the big guys such as Germany and France have made their mark. Whether Greece 's opinions are heard or not is the case.

“The University of Munich has a solid foundation in high-energy physics, so I am more optimistic about the experimental plan provided by Lu!” The German representative began to speak to himself. Lu Qiujuan is now studying at the University of Munich, if the experiment is successful , Then it is also a face-saving thing for Germany.

“Lu is still too young! He is not yet 22 years old? If it is in the field of theoretical physics or mathematics, 22 years old can indeed create many miracles, but in the field of experimental physics, this age may be too late to involve the entire experimental process Are you clear about anything?”  
“We support the opposition if Germany supports it. The French representative relentlessly rejected Lu Qiujuan’s plan out of this idea. “So. Let’s wait a few years before we talk!”

“Professors Don Nodrigues and Professor Arosh of Paris Higher Normal College, after seeing Lu Qiujuan’s experimental plan, were very excited and expressed their concern about the results of this experiment!” Dr. Evans told Lu Qiujuan The information he disclosed refuted the speech of the French representative. Claude Coon-Don Nord was the winner of the Nobel Prize in Physics in 1997, and Arosh was also on the shortlist of Nobel Prizes in Physics. The two men supported Lu Qiu enough to explain the situation.

These two people met when Lu Qiujuan visited the La Forge in the French Academy of Advanced Studies. They also sent a copy of their previous papers and experimental programs on dark matter. After appreciating the forces of Lv Qiujuan, he has put him down and treated him in a level position. So I conducted a careful study of the materials sent by him, and gave a very high evaluation.

From the point of view of the French, it is not an exaggeration to say that the Higher Normal School in Paris is the best university in the world, since there are two big masters in the Higher Normal School in Paris to support Lu Qiu. The representative of France is hard to say. It ’s just that it ’s a bit full of words. It ’s just too unethical to change it now. It does n’t seem to be the dark matter realm. Do we think about it again? ”He said strongly.

“This is Professor Ding Zhaozhong’s letter!” Rolf Hoyle took out the killer tool Professor Xuft repeatedly expressed his appreciation for Lv Qiujuan without violating the principle He is still willing to help his old friend! “Professor Ding Zhaozhong also expressed his support for Lv Qiujuan’s plan! He believes that cern is obliged to try new channels when the ams plan is temporarily stalled.”

“And Mr. Edward Witten, Mr. Peter Higgs, Mr. Juan Mardacina, Mr. Steven Weinberg.” Dr. Evans reported the names of a group of world-renowned physicists , “They all expressed great interest in Lv Qiujuan’s experiment! They think that his theory and experimental plan are very likely to reveal the secret of dark matter!”



“What does Professor Hawking say?” The representative of France had actually succumbed, just out of the arrogance of the Gauls, he still made excuses.

“Professor Hawking and Lu Qiuqian bet that he thinks it is impossible to find dark matter. If he loses, he goes streaking in the underground passage, and Lu Qiuqian loses the same!” Dr. Evans said with a smile, Hawking said. Physics session is like Bailey’s to the football world. For their predictions, everyone thinks right.

“Lv’s figure is great, if his female fans know that because of me, they have lost the opportunity to appreciate Lv, I’m afraid they will kill me!” The representative of France said that he had passed this euphemistic method. This trial plan!

Chapter 320 - avoid

In a cafe at the California Institute of Technology in the United States, several young students surrounded a boy who looked only fifteen or sixteen in the center, “Sheldon, congratulations on getting your first pd degree; oh my Now, when I think that you are only fifteen years old this year, I am full of frustration. I am ten years older than you. The pd is as far away as I am from light! “

“Leonard, mortals have to go to compare with geniuses and can only cause trouble for you!” The coffee shop waiter Penny and he are old friends and couldn’t help seeing his frustrated look Say comfort.

“Yes, tell us about your life as an exchange student at the University of Heidelberg? What is the difference between Germany and the United States?” Howard also said, “Where is the girl?”

“It’s no different, the students are similar to California Institute of Technology, they are all stupid, which makes me very sad!” Shelton said, staring and dancing, “You can’t find a You guys who communicate normally are obviously very simple things, but they always don’t understand! “

Oh, my God, this guy started again, and Penny could n’t help but smile, and Shelton ’s IQ is as high as 187. Many of his simple and straightforward theories are heavenly books for others, but he obviously does n’t. Understand this; his tone also offends countless classmates who have discussions with him. Fortunately, all of his present friends are his old friends, and there is no conflict.

“Since you have got the pd, what do you plan to do next?” Leonard saw Howard’s tactics to change the subject failed and quickly started a new topic again. “Stay in California Institute of Technology or go to an institute?”

“It doesn’t have to stay at California Institute of Technology, or it’s good to go to L. At least where is Terence Tao, my communication with him is still very pleasant!” Sheldon said with his head tilted, Tao Zhexuan probably encountered him. Few of them can keep up with or even exceed their thinking rhythm!

“L is not bad, but I still think California Institute of Technology is better!” Leonard was originally responsible for helping the school retain this genius. Now he sees that he wants to go to a foreign school. “Speaking of which field do you plan to conduct in-depth research? Wouldn’t it be better to choose a school or laboratory based on your needs after you have determined the research direction?”

“Dark matter! I’m very interested in this field recently.” Sheldon didn’t hide his direction, and then began to talk about his various views on the study of dark matter, and heard that Penny was dizzy; and Lei Leonard kept this important message in his mind and planned to report to Professor Reiner-Weiss later.

the next day. Sheldon was summoned to his office by Professor Weiss, “Sheldon, I heard that you are going to carry out research on dark matter?”

“Yes, Professor!” Sheldon sat on the sofa without waiting for Professor Weiss’ invitation. Looking at the various ornaments on the coffee table curiously.

“Can you talk about your reasons for choosing dark matter research?” Professor Weiss had a headache. He didn’t want this baby from Caltech to enter this field.

“I recently read the articles by Professor Dietrich of the University of Munich and the Purple Mountain Observatory in China.” Sheldon began to gush not to elaborate his views on these two articles, “.. So, I think dark matter is A promising field! Maybe there will be any great discoveries! “

I also think there might be a great discovery, but this discoverer may not necessarily be you! Professor Weiss is looking forward to Sheldon. He always wants Sheldon to be a pioneer in a certain field, but from now on, dark matter does not seem to be a suitable field for him. “Dark matter is indeed promising, but in California Science and technology, at least from the current point of view. There are no conditions for research in this field! “Professor Weiss began to flicker Sheldon.

“Ah? Why?” Sheldon looked at Professor Weiss confused.

“Because we don’t have the right equipment!” Professor Weiss said with a shrug. “Since Anderson’s \*\*\*\* guy rejected the SS construction plan, the entire US high-energy physics session can only go to Geneva to do research! If you want to work on dark matter I’m afraid I can only go where I want to go! “

“Dark matter research does not necessarily need to collide? Satellite detection, underground laboratory, high-altitude balloons are all possible!” Shelton argued with his hands spread out.

“The underground laboratory in South Dakota is still under demonstration, and I do n’t know when it will be put into use! Samuel Ding Zhaozhong ’s English-named s plan came to a halt because Congress terminated the spacecraft launch plan, and s is also in Geneva! “Professor Weiss has always refused to disclose the real reason for preventing Shelton, not to mention Lu Qiuqian is also conducting research on dark matter!” Although Shelton is a genius, I am afraid it is not easy to establish a breakthrough station in the dark matter field before Lu Qiuqian?

Competition in the scientific world is more brutal than in the sports world, and the second place is meaningless. Therefore, when possible, scholars in the same field will evade each other’s research branches. For example, Shi Yigong returned to China and received strong support from the world’s most advanced experimental instruments and Mizuki University When biologists are conducting research, they will first ask what Shi Yigong is doing recently? If there is a conflict with your own plan. They usually change their goals so as not to make half of their efforts, but Shi Yigong made the results first.

Professor Weiss’s current concern is also the same. Lv Qiuqian’s strength is only higher than that of Shelton. Moreover, he has obtained a certain position in r, plus the help of l. How does Shelton compete with him?

But Sheldon was obviously not persuaded by him, his eyes flickered, and he refused to change his mind; Professor Weiss stroked his forehead and shook his head. He knew that he would n’t be able to handle the kid without taking out some dry goods. Take out a large stack of printed articles from the cabinet behind you, “Sheldon, this is a recent article by a dark matter researcher, you can take it back to see if you still think he will be in him after reading it. I have made achievements before, then I will support your research on dark matter! If not, then do gravitational wave research with me! “

Well, was n’t it all bad for Anderson to reject the SS plan? Professor Weiss thought to himself, if it wasn’t for the SS to be cut, leaving a large amount of research funding, how could he establish a laser interference gravitational wave observatory to detect gravitational waves? In this field, California Institute of Technology holds the strongest instrument!