

D. School 321

Chapter 321 - Gravitational wave

“Mr. Professor! Do you think I can’t compete with that person?” Shelton felt hurt, and Professor Weiss’ heart was about to break with innocent eyes. ☆ →

“Ah!” Although I think so, it seems too shocking to say it directly? Especially for a genius like Sheldon who has been running smoothly and has not encountered much setbacks, Professor Weiss hesitated for a moment, and finally he hardened his heart. Now letting you suffer at least saves a lot of time, if you work hard Was it more depressed to be robbed by Lu Qiuqian a few years later? “Isn’t it proper to understand the dynamics of the academic frontier before doing any research? Moreover, gravitational wave research is also a very good direction. We have the world’s strongest detectors, whether it is an Italian detector, a German detector, or a neon Hong ’s tama300 detector ca n’t compare with it; and the Chinese Lyra project only exists on paper! It ’s much more convenient for you to conduct this research than dark matter! ”

“Well, I will go back to see it!” Sheldon shrugged, and didn’t care to walk around where he lived with a large pile of documents.

“Gravitational waves and dark matter?” His roommate Rajesh looked at Shelton nervously. “Have you made a decision? If not, I suggest you study gravitational waves! I heard that there is India’s cooperation plan, I can take you to India to play! “

Rajesh stared at Shelton, roaring in my heart, I just decided to start researching dark matter, do n’t you do the same thing with me! Professor Weiss wants Shelton to circumvent Lv Qiuqian, and Rajesh does not want to clash with Shelton!

“Professor Weiss also wants me to study gravitational waves! But I want to study dark matter! But I will wait until after reading these articles!” Sheldon leaned on the sofa and picked up an article to look over it.

Ok? Articles about dark matter? Who do I see? Rajesh took a copy curiously, too, why is this guy again! Ahhhhhhhhhhhhhhh. How many articles has he made recently? Just seeing Lv Qiuqian ’s name, Rajesh gave a depressed roar again. The existence of this person completely disrupted his plan. He wanted to make some achievements in the field of dark matter, and then used this achievement to make his work. The visa can be extended, but recently he has become very big just by reading his article. How can you do more research!

Amount, or go to gravitational wave with Shelton? Even if he is an assistant, there is a greater chance of success than continuing the current project? Rajesh looked at frowned Shelton and thought.

Bang, Shelton, who was looking at the paper, suddenly raised his head, slapped it on the sofa arm, his big eyes were blank, and his mouth was mumbled with vague words.

“Sheldon, what’s wrong with you?” Rajesh stared nervously at his roommate, lest something went wrong with him.

“No, I need someone to calm down! I’ll go back to the room first!” Sheldon picked up the papers piled on the sofa. He hurried back to his side, and then slammed the door shut.

“What’s the matter with Sheldon?” Penny, who failed another audition, returned to the room and listened to the weird cry from Shelton’s room.

“He seems to have been hit by something!” Rajesh vaguely guessed something, not only became more nervous, but did Shelton also not understand Lu Qiuqian’s article? In this case, you should quickly change direction! Sheldon, you must bring me to engage in gravitational waves!

“Well? He’s broken up? Tell me who the girl is?” Penny’s eyes flashed with gossip flames, “Has Shelton finally learned to chase girls?”

“I don’t think you guessed it!” Rajesh shook his head in distress. “Sheldon is probably in academic trouble! Maybe he saw some articles he couldn’t understand!”

“What!” The sandwich in Penny’s hand fell to the ground. For a while, he asked in a trance, “Is there anything else in the world that Shelton can’t understand? Is there anyone with a higher IQ than this guy?”

“He is not the highest IQ person on earth!” Rajesh replied with a shrug. “At least I know Terrence-Tao’s IQ is higher than him, and I want to be able to write an article that puzzles Shelton. Lv’s IQ must not be lower than him!” Tao Zhexuan’s IQ data can be Yes, but Lv Qiuqian and Shelton have higher IQs. Rajesh is not good at making judgments. Anyway, both of them are much higher than themselves. There is no way for mortal wisdom to guess the limits of genius.

“I can’t imagine the existence of people with a higher IQ than Shelton!” If those guys’ mouths are as cheap as Sheldon. That was terrible, Petunia rolled her eyes.

“Don’t look at me, I don’t know!” Rajesh burst into tears. At least they won’t be refused a work visa extension because they can’t get the project right? Geniuses like them are afraid that any country will rush for it? Ooo, brahma god! Why don’t you give me the same IQ as Ramanuqiang and Raman (Nobel Prize in Physics in 1930 the first scientist in Asia to win this award)!

This strange cry lasted almost all night, and tossed Rajesh and Penny didn’t sleep well; in the morning, Shelton stared out of the room with his messy hair and red eyes, ignoring Penny’s progress. At the invitation of breakfast, he went out with a frustrated expression holding a stack of papers.

With a bang, the door of Professor Weiss’s office was pushed open, and Shelton rushed straight in front of Professor Weiss, smashing the large stack of papers on Professor Weiss’ desk.

“Well, Sheldon, what’s the matter with you?” Professor Weiss shrank back like a conditioned reflex, which was the nth person asked in just twenty-four hours.

“Mr. Professor! I think I should study gravitational waves with you!” Shelton said in frustration. After reading Lv Qiuqian’s paper all night, he found that in the field of dark matter, he seemed unable to compete with this guy. what! But this seems to be the first time such a blow has happened in his life?

“Congratulations, Sheldon, you made a wise decision!” Professor Weiss, who was so happy, gave him a warm hug and instead comforted Sheldon, “Don’t frustrate your child, you know. There are some evil spirits that make competitors in the same field feel powerless! “

I know that I used to be such a demon in other people’s hearts, but this time I met Lu Qiuqian’s demon! Shelton said unwillingly in his heart.

Chapter 322 - Shelton’s nightmare

“But it doesn’t matter! In fact, your IQ is not much worse than him! It’s just that he is now in cern and has more advanced equipment than you, so I recommend that you change the research field!” Professor Weiss comforted that now that he has changed This Tai Cai is included in his plan, then he must help him rebuild his confidence. If Shelton is completely defeated by Lv Qiuqian, he will lose more than enough. ○

Professor Weiss took Shelton's shoulders affectionately and dragged him to the front of the picture posted on the wall. Of course his picture was much smaller than that of Professor Dietrich, "Look, this is it. Professor Weiss pointed to the L-shaped device. "These two long arms are perpendicular to each other. Each arm is four kilometers long. The end of the arm is suspended with a mirror. The pipe is made of stainless steel and has a diameter of 1.2 meters. At the intersection of the two arms, the beam from the laser light source is split into two, respectively, into two hollow cylinders that are perpendicular to each other and maintained in a super-vacuum state, and then reflected back to the original starting point by the mirror surface of the terminal, and the laser beam goes back and forth in the arm. Reflecting about 50 times, the equivalent arm length is greatly increased, which will form interference fringes. If gravitational waves pass, it will cause space-time deformation. The length of one arm will be slightly longer and the length of the other arm will be slightly shorter. This will cause the optical path difference to change, so the laser interference fringes will change accordingly. "

"Uh huh! With the laser going back and forth between the interfering arms, the detector will record a slight change in the distance between the mirrors. It's like a water wave in a pond, placing the leaves on the water. When a wave passes by, the leaves will fluctuate! "Shelton soon understood the working principle," but only one detector cannot really determine the gravitational wave, and the information he detects may also be interference information! "

"Yes, so we installed two identical instruments in Livingston, Washington, and Hanford, New Jersey. The distance between them is three thousand kilometers, and the same interference affects both detectors. Probability is not great! Only when these two detectors detect the same signal at the same time, we will be sure that it is a gravitational wave! "Professor Weiss said frankly," Of course, if there are more detectors, then the detected data is more accurate! "

"But the National Science Foundation's funds are not easy to apply for! You know. The reason why it was born was because the United States cancelled its own collider program, and then we built with the remaining part of the funds, this cute guy spent 3.5 billion US dollars of funds. "If it is successfully completed, perhaps Sheldon will not need to replace the research field, but now he can only rely on," Although we still want to build one in India, but on the issue of funding, the United States There is no agreement with India. "

"Why should I put it in India? I don't like curry!" Shelton thought of his roommate Rajesh. That is not a good impression.

"Oh, this is just a planned matter. At present, even if there is funding, it is still an upgrade. The existing detection distance is still close! We need to increase it by ten times!" Professor Weiss is now in a very happy mood. A large stack of documents was found in the cabinet behind him, and Shelton shuddered like a reflex, and then reacted to the information that should be this time instead of Lu Qiuqian's article, which was a relief.

“Let’s take a look at these first few days! I’ll take you to New Jersey when I’m familiar with the information!” Professor Weiss still didn’t notice Shelton’s strangeness. He happily handed the information to him. “There are some things about mathematics that may be difficult. But if it is you, it should not be a big problem!”

“Okay, I don’t think I’ll finish it in a few days!” Shelton said after measuring the thickness of the data. He didn’t pay any attention to Professor Weiss, math? I was also very good at that time!

Looked at Shelton and returned to his room with a stack of documents, and Penny looked at each other with Rajesh and Leonard. I dare not speak, wondering if he will make that kind of weird noise again tonight!

“Rajesh, would you please persuade Sheldon? The headaches I encountered when I was studying always collapsed! Sheldon will not be blown down, right?” Penny asked with concern.

It’s normal for you to have a headache. Can you compare with Sheldon? Rajesh murmured secretly, “Wait a minute. Maybe what he got back today is not the same as usual?”

“Cut, it’s too simple!” Before the words were finished, Shelton’s disdainful laughter came from the room. Rajesh shrugged and looked at Penny, whispering, “Look, he has recovered ! “

“That’s good! I’m going out first, and there is an audition in the afternoon! You help see Sheldon!” Pennie breathed a sigh of relief and went out with a light heart to prepare for another failure.

The laughter lasted for two hours, then suddenly became quiet. After a long time, Shelton rushed out again with a thin booklet, without looking at Rajesh and Leonard Just walk to the door.

“Sheldon, where are you going?” Rajesh quickly stood up.

“Go there, some questions would like to ask Terence!” Shelton replied without looking back, and then rushed out of the door like a wind ~ Young math professor Tao Zhexuan was talking on the phone with his girlfriend. Sheldon rushed in and placed the booklet in front of her. “Trenz, I’m having some troubles. Tell me how to understand here?” “

“.. Baby, I’m sorry Shelton is here. I’m afraid I will hang up the phone. I’ll call you later!” Tao Zhexuan picked up her Korean girlfriend and student Laura. The brochure looked, and he was used to Shelton’s behavior.

In the end is a monster with an IQ of up to 230, Tao Zhexuan quickly found a place that troubled Shelton, “Sheldon, you must not have been on the math version recently, there is an article just explained this problem!”

“I just came back from Germany and I haven’t been there for a while!” Sheldon scratched his head and replied, “Yes, can you transfer that article out for me to see?”

“Okay, I just downloaded it! The author of this article is a complete genius in mathematics, but it is a pity that he has recently shifted his main energy to physics! But he still often publishes some Mathematical articles are all extremely valuable articles! “Tao Zhexuan said while calling up the thesis.

“Well, okay, tell me his name, I will pay attention to it in the future!” Shelton scanned the title and author name of the paper as he spoke, and then ... Suddenly froze.

Chapter 323 - Experiment preparation

“Well, Sheldon, what’s the matter with you?” Within 48 hours, Tao Zhexuan became the $n + 1$ th person to ask this sentence, because Shelton’s expression is so weird now! He and this little genius have known each other for a while, and he has never seen such an expression.

“Terence, the author of this paper is ...” After staying for a long time, Shelton jumped out a few words arduously, and ten thousand grass and mud horses rushed past in my heart. Why are you again!

“It’s Lu Qiujian! I’m Chinese, like me. I studied at the Princeton Mathematics Department like me. I’ve seen him a few times before!” Tao Zhexuan didn’t know Shelton’s resentment against Lu Qiujian. Lu Qiujian became interested, and of course this is normal. Geniuses always like to communicate with geniuses, because it is much easier and more enjoyable to talk to people with the same IQ, “I see, it is now August. In about December, I will go to Huaguo to attend an awards ceremony. Lu Qiujian will also be present. If you want to know him, go with me! I believe he will be happy to meet you too! “

Tao Zhexuan won the award established by Lv Qiujian last year. At that time, the presenter was Lv Qiujian; however, Lv Qiujian had already told him that the award ceremony this year will come from the previous winner Awards are given, which means that it is his turn this year, Perelman and

Liu Pengbo and the French scholar to award the winners. He is also looking forward to meeting Lu Qiuqian again, because he has accumulated a lot of questions and wants to communicate with him.

No, I would never want to know him! I have turned to study gravitational waves because you avoided the dark matter field, have you not let me go! Sheldon burst into tears at the moment, but the dark matter field did not work for you. I plan to study gravitational waves and encountered mathematical problems. Looking back at Nima, you even wrote targeted papers! Do you want to be so evil? It still makes me alive!

“Sheldon? Sheldon!” Seeing that he didn’t respond for a long time, the worried Tao Zhexuan couldn’t help raising his voice.

“Okay, Terrence, you tell me, I encountered three problems. How many of these three problems are related to him?” Sheldon was finally awakened!

“Where are there two other problems?” Tao Zhexuan followed Sheldon’s instructions and pondered for a while after reading those two questions. “The second question Wu Baozhu’s thesis may be helpful to you, the third question you are going to read Perelman’s article!”

Thank goodness, I don’t need to hear this name anymore! But before he could finish his smile, Tao Zhexuan found the two papers from the computer and added. “The two of them changed their research directions under the influence of Lu Qiuqian. These two papers are the latest results they made according to the direction indicated by Lu Qiuqian. I have to say that Lu Qiuqian’s original conjecture report in Poincaré The ten questions raised at the meeting had a profound impact on the entire mathematical community! “

K! ! ! It’s really endless! Sheldon was on the verge of collapsing again, knowing that when he was in Germany, he went to Munich to kill him! Why come back to suffer this kind of torture! of course. When he went back to the materials he had in his room and saw Lu Qiuqian, he immediately dismissed the idea after seeing Lu Qiuqian’s performance on the fighting platform.

“Living with this guy in an era makes people feel both happy and depressed!” Tao Zhexuan began to express his emotions. “The joy is that you can witness a problem in the history of science solved by him, just like before. Poincaré conjecture and the Higgs boson, oh, yes, I heard that he recently turned to study dark matter, I believe this puzzle will also be revealed by him? “

The dark matter ***** horse hates the most! Sheldon lowered his head in a depressed voice.

“What is depressing is that if your research field overlaps with him, you might find that after years of hard work, Lu Qiuqian has already achieved the final victory before you!” Speaking of this, Tao Zhexuan couldn’t help but feel lucky. Fortunately, he did not have any interest in the Elders difference problem!

This is how I am now! Sheldon Cooper, who just decided to change his research direction from dark matter to gravitational waves, has something to say.

“Well, Sheldon, you shouldn’t have this situation?” Tao Zhexuan finally seemed to find something.

“Yes, I originally planned to do research on dark matter, but Professor Weiss suggested that I change to gravitational waves!” Sheldon said with a wry smile. “I didn’t want to change my direction, but Professor Weiss showed me. The article, after I read it, I think, um, gravitational wave sounds good too! “

“Hehe, hehe!” Tao Zhexuan laughed twice. Fortunately, Lu Qiuqian has already shifted his main energy away from the mathematical world!

“Sheldon, there is a philosophical saying in our ancient Chinese books that a mountain is higher than a mountain!” Tao Zhexuan patted his shoulder sympathetically, “even if it is Chogori Peak. There are also Mount Everest higher than it! It is that we are already the highest group of people in the station! “

“And with your talents, you will certainly be able to make some achievements in the field of gravitational waves!” Tao Zhexuan still likes this little guy Can’t bear to let him fall into frustration, so comforting Only then did Sheldon renew his fighting spirit.

Not to mention how entangled the two geniuses in the United States are, Lv Qiuqian in Geneva is now very happy, after disdainful efforts and the support of his counterparts such as Evans. His own test plan was successfully passed, and finally he can start exploring dark matter.

“Thank you, Dr. Evans!” After receiving this good news from Dr. Evans, Lu Qiuqian expressed his gratitude in the first place.

“You have provided a lot of help for ern, and ern should give you a chance!” Dr. Evans looked at this junior with a happy face. “If it were not for you, I am afraid that the Higgs boson is still in progress. The experiment may have to be repaired because of the high loss of the equipment! “

“So, when can I start the experiment?” Lu Qiuqian couldn’t wait.

“It will take about a month! You have participated in the Higgs boson experiment all the time. It takes time for the coordination of electricity, the preparation of personnel, and the combining of various cooperative units!” Dr. Evans understood Lu Qiuqian Mood, but the experiment does not mean that you can do it immediately. This is not the two iron ball experiment in the middle school physics class.

“Well, I’m a little too excited! So what should I do next?” Lu Qiuqian asked, full of enthusiasm, not frustrated.

Chapter 324 - Nobel Prize prediction (15/33)

“In addition to daily maintenance, most of the other is some administrative work; as for your experimental plan, everyone is familiar with it! So you can take a short break during this time! CERN I just stare here!” Dr. Evans said thoughtfully that Lu Qiuqian’s hard work during this time was in his eyes, and finally he was a little free. Let this child rest, in case of exhaustion, but CERN’s loss!

“Then I will go back to Munich!” I can just handle the task of Professor Xuft, and then go to the observatory to thank Professor Dietrich; hey, I still have no time to go home to visit my parents, let alone go to neon See Xia Xiao, as Natalie has returned to Hollywood, it is not good for her to come to Germany again.

“Say hello to Hillman for me!” Dr. Evans said habitually, seeing Lu Qiuqian going and asked another question, “How confident are you about the success of this experiment?”

“Not much!” Lu Qiuqian replied frankly, any great discovery was successful after countless failures. The Higgs boson was more than forty years from the time it was proposed to this year. How long has my own dark matter model been proposed? “The Higgs boson experiment has been carried out many times, and there are countless cases for my reference, so I can judge the correct experimental data; and although the dark matter experiment has also been carried out many times, it is based on Experiments designed by other people’s models are very different from mine; I still need a few experiments to adjust! “

“This should be too!” Evans was a bit worried. These issues Lu Qiuqian understood, he also understood that Higgs, Witten and others would understand, but how much does CERN’s high level tolerate Lu Qiuqian? ? Is it a failure, two failures or three failures? This is not Edison’s filament experiment. The resources spent for each start-up are massive, and even Edison has experienced an economic crisis during the filament experiment.

Lu Qiu Jian is really too young! If he reaches Witten now, no, or even Maldacina's age, CERN will allow him to fail more times! Witten is fifty-five years old and Maldacina is thirty-seven years old. It is still young in academia, but it is enough to make people trust! But Lu Qiu Jian is only 22 years old now! There are probably not too many opportunities that CERN can give, I hope he can make a result that satisfies CERN! Evans prayed secretly.

As long as there is a result, it does not necessarily have to be direct evidence of the existence of dark matter. As long as there are new signs of dark matter, the experiment can continue. I am afraid that nothing unexpected may be discovered! Lu Qiu Jian is not very sure about this, but he knows that the more experiments he has, the greater his hope of success! The key to the question is how many opportunities you can get!

Ok. When I returned to Munich this time, I also considered considering this issue. If I failed three times, how should I convince CERN? According to his judgment of the CERN senior, there should be three opportunities. Anyway, you must make something in these three opportunities!

"Then, you have worked hard during this time, Mr. Evans!" Lu Qiu Jian didn't want the old man to worry about himself, so he said with a relaxed look, "Yes. After two months, it will be promised. It's time for the Bell Prize to be announced. Do you think that Professor Higgs, Professor Englert and Professor Braut will win?"

"Haha!" Dr. Evans seemed to remember something interesting. He couldn't help laughing. "I think Professor Theodor-Hensch must be complaining about Hillman! If Hillman takes you to Europe one year later, he is likely to win the Nobel Prize this year. But because of you, the Higgs boson was discovered before the Nobel nomination deadline, so his odds of winning fell quickly! He probably and John Hall. Well, maybe there is Roy Ge Lauber waited another year!"

Professor Theodor-Hensch is also a professor in the Department of Physics at the University of Munich. Lu Qiu Jian has met him a few times before, but due to his more time in CERN and the inconsistency in the research field, the two did not have much. Too many contacts.

Professor John Hall, professor at the Joint Institute of Experimental Astrophysics, and lecturer at the Department of Physics at the University of Colorado, John Hall, has made outstanding contributions to the development of laser-based precision spectroscopy. According to the predictions of previous major gaming companies; they are likely to share this year's Nobel Prize in Physics with Roy Glauber, a professor of physics at Harvard University who has accomplished a lot in quantum theory of optical coherence.

But just like Lu Qiujiang killed Milan in the final moment of the Champions League final, because the Higgs boson was found before the deadline for the nomination of the Nobel candidate, it instantly let Higgs, Englert and Brout. The group is inserted at the front of the Nobel Prize ticket window!

Not to mention that the three studies are even greater. The Higgs trio just queued up in front of the ticket window of the Nobel Prize in Physics much longer than Professor Hensch and John Hall. Did not get the ticket, just because the Higgs boson, which can be used to redeem the ticket, was not discovered. Now that Lu Qiujiang helped CERN make this great discovery, then the physicists who queued up had to make way. Now!

The main achievement of Roy-Glauber was almost the same as that of Higgs and others. The photon coherence quantum theory he proposed in 63 years successfully described the movement law of light quantum and revealed the characteristics of light quantum and how a large number of light quanta affect each other's operation mode, produce "interference" phenomenon and so on, this achievement has laid the theoretical foundation of quantum optics.

However, the maximum number of winners per year is three, Higgs and they happen to be three people. In this regard, the Royal Swedish Academy of Sciences may be more inclined to award Higgs three of them first!

Fortunately, Roy Grotte is a cheerful old man. He probably doesn't account for the problem of one year earlier or one year later, right? Since 1991, the old man, who was sixty-six years old, has served as a broom custodian at the award ceremony of the "Funny Nobel Prize", responsible for cleaning the paper planes thrown on the stage by the guests. Never interrupted.

He might have been absent this year because he wanted to attend the real Nobel Prize ceremony, but from now on it seems that Professor Roy Grout will still appear in the Sanders Theater at Harvard University and continue to throw away on the stage Coming paper plane.

Chapter 325 - Funny Nobel Prize

The Funny Nobel Prize is actually a very interesting award. It is set up to select those studies that are "at first glance funny, and then thought-provoking". At first glance it looks funny, but the technical content contained therein is definitely not low, such as The 15-year funny Nobel chemist winner is Callum Ormond of the University of Western Australia. His award-winning results have been misrepresented as how to chemically ripen the eggs, but in fact he denatured the protein. the study. ∴

Scientists face these achievements often after deep laughter and fall into deep thought, and the unscrupulous media will only laugh at them, of course, if you let them see these achievements, they will not understand!

This award was founded by the scientific humor magazine “Impossible Research Records” and is presented each year at the Sanders Theater at Harvard University one week before the Nobel Prize award ceremony. This award not only has no prize money, but also needs to be borne by the winners themselves Toll.

It was awarded the prize only once in 13 years. At that time, the organizer gave a huge prize of 10 trillion yuan, but the Zimbabwe dollar was awarded at that time, which was only equivalent to 24 yuan, which may be enough for the winner to buy a burger.

Although there is no bonus and you have to pay for the tickets yourself, most of the winners will still come to participate happily, because although the awards are funny, many of the awardees are real Nobel Prize winners, and they can also be recognized by them. There is no small achievement; of course there are exceptions, such as the Wright Laboratory of the Air Force of the United States trying to develop a “gay bomb”. Such bombs can make enemy soldiers love each other and lose their will to fight. However, no one in the US Air Force was willing to come to receive the award, and was rejected by the organizers as conservative and backward, lacking a sense of humor.

Let 's take a look at how this award is selected. Unlike the Nobel Prize, it requires nomination by a dedicated person. Anyone can send it by paper mail or email. To nominate, um, if your tutor does interesting research, you can also send an email to this mailbox.

Every year, they receive about 9,000 nominations, and then the former funny Nobel Prize winners, real Nobel Prize winners, science writers, sports stars, public figures and the winners are randomly pulled from the street that day A passer-by was reviewed. Determine the final winner.

Among the previous winners, there is no lack of big cows. For example, Andre Heim of the University of Nijmegen in the Netherlands in 2000, because of the use of magnetic levitation technology to overcome the effect of gravity, suspended a frog in mid-air and deduced the use of similar methods. Can make people overcome the role of gravity and float to win the funny Nobel Prize in Physics; ten years later, he won the real Nobel Prize in Physics for his outstanding research in graphene materials.

That's right, some of the Chinese scientists also won this award. “Seeing ***** Christ in Toast: A Neurological and Behavioral Study of the Utopia of Human Face” won a 10-year neuromedical award.

This award encourages human beings to use scientific methods to conduct ridiculous at first glance with extraordinary imagination and creativity. Later, the thought-provoking research is more profound in order to encourage research on all kinds of interesting things. Arouse the general public's interest and love for science.

This is also a way to cultivate the scientific literacy of hit, with the development of science and technology. Ordinary people are getting higher and higher from understanding scientific frontiers! However, people's lives are closely related to various scientific knowledge of the tall, such as genetically modified, such as px, such as nuclear power plants, etc. People panic because they do not understand, the government has no use for a large number of professional terms on the tall, No one can read or understand!

This is not a solution to the problem. You can't let an ordinary person reach the level of a doctor of biology, a professor of chemistry, and a nuclear radiation expert through a few articles; the correct way is not to make everyone an expert, but to make everyone a scientifically educated layman, who speaks logic and evidence, allows others to express their doubts clearly after speaking.

And in this regard. The situation in China is not good. Many media have intentionally or unintentionally played a role in fueling the situation. They have their own right to speak, which tramples on the academic dignity of experts in other fields. Part of the speech was taken out of context and then passed the name of a brick house called a beast, and the news audience did not think about it after reading the ridiculous news at first glance, subconsciously lowering the level of those experts, from now on From then on, I began to feel distrust of all experts.

So there are often people who use online scriptures to kill and attack high-tech products such as nuclear power plants. And fart to buy strange products like Shenma anti-gravitational wave radiation suit.

Please remember that experts are always more reliable than the media, if you want to choose between them to believe. Well, I would rather believe the experts than the media; of course, the premise is that those experts did not distort the facts because of the ass.

The reason why Lu Qiuqian thought so much was because he had expected that he would encounter similar problems after the implementation of his plan Such as the various attacks on him by the "Xinhua North" before This proves this; hey, science work still has a long way to go! I have made some popularization in mathematics before, then do I want to do some physics science?

This is not without benefits. Look at Hawking. He is not necessarily the most powerful physicist, but he is definitely the most well-known physicist in the world, and even the most widely known scientist. In addition to being physically disabled, the credit for the best-selling popular science works “The Universe in the Shell” and “A Brief History of Time” is indelible.

Well, we will finish the experiment of dark matter within this year. We may relax a little when the experiment is completed next year. In addition to preparing the graduation thesis, let's prepare this! Since the disintegration of the Red Empire, the United States has no competitive pressure, and human exploration of space has stalled, which is greatly detrimental to his plan! I hope that my popular science works will wake up the human desire for space.

Returning to Munich from Geneva, he took a taxi into the University of Munich. In the building of the Department of Physics, he just met Professor Teodor-Hensch. Professor Hensch still greeted enthusiastically, which made Lu Qiuqian one less Awkward.

Showed up in the laboratory several times, chatted with Professor Xuft several times, went to the Observatory to meet Professor Dietrich, and Lu Qiuqian was free again. So would you like to visit Bayern? The new season seems to be starting?

Chapter 326 - New season

“Lv! The league has started two rounds, you are finally back, how is your holiday?” Kahn just gave a warm hug just after entering the training ground of Bayern, “I went to Hawaii, where the girl is really great Extremely!”

Hello, I remember you are married, is this really good? “Oliver, I'm not on vacation. I'm in a mess in Geneva!” Lu Qiuqian explained helplessly.

“Okay, this week was the drawing ceremony for the Champions League and the best awards ceremony last season, as well as the European Super Cup on the weekend! Don't miss it!” Then Kahn lowered his voice, “Previous Your performance this season is very good. If you can participate in more games this season and maintain the status of the previous season, it will be very good for winning the European Golden Globe Award and Mr. World Football! Therefore, you should come back as much as possible during this time! “

“I try my best, but I can't guarantee it!” After the experiment started, I couldn't help myself. If I succeeded in the short term, it would be better to say that if I failed, I would not necessarily be able to come back!

“Well, I just give a suggestion, we will support you anyway!” Then Kahn pulled him into the crowd, “Come, Lu, I will introduce you to your new teammates!”

Kahn patted the shoulders of a short player wearing a No. 21 jersey. “Lv, this is Philip Ram, you can call him squirrel, or he can call him Rami; he is our Bayern youth player, Last year he was loaned to Stuttgart to end his workout, and he is finally back this season! “

This is not a fairy mouse! It seems that Kahn likes him very much! Lu Qiuqian reached out and gave him a soft grip, “Hello, Philip, I remember when you played against you last year, your left assist was excellent! I look forward to seeing you in the new season!”

“Lu! Can I go to play basketball with you after a while?” Ram’s eyes are full of stars. Although he is only 170 cm tall, basketball is the sport he likes second only to football. When listening After saying that Lu Qiuqian joined Bayern, he specially found a video of Lu Qiuqian’s game and watched it, and was immediately conquered by Lu Qiuqian’s outstanding ball skills!

Amount, playing basketball with you? Is this too bullying? How about playing table tennis? I heard that you are the best table tennis player among German football players?

“Lu, do you mean that I am too old to play?” Just when Lu Qiuqian hesitated. Lizzarazu laughed and rubbed Ram’s hair. He played the same position as Ram, but he didn’t really complain about his appearance.

“Vicente, you have won the World Cup, the European Cup, the Bundesliga, the German Cup. You won the European Championship in May, and you have no regrets even if you retire now!” Kahn said in his words, tone There is no shortage of regrets. In the European Cup, he did on the bench in 1996, but he did not have the World Cup champion the football player most wanted. Even the best player in the World Cup can’t make up for this regret.

“No, I still haven’t got the European Super Cup and the World Club Cup! It’s not too late to retire when I get it!” Lizarazu said with a giggle. The Toyota Cup this season was changed to the World Club Cup. The team has increased from before, but the location is still set in Tokyo.

“Then let us win all the championships of the new season!” Kahn’s words caused a cheer, and then he pulled a player with medium and long hair, “Lu, this is your Asian player, from Iran. Karimi, he took the place of Frings! “

“This is Dos Santos. Midfielder from Paraguay! This is Otel, this is goalkeeper Dreyer.” Kahn introduced one by one in the past, this year’s Bayern lineup has not changed much, and the back

line has gone. Wach and Kufuor added Ram; in the frontcourt they walked Hashmian, Flins and Trokhovsky, and added Karimi and Dos Santos.

Almost all the people who walked were some marginal characters, but they added a Ram with the potential of a world-class side player. His strength has continued to increase.

“Lv, go to Zurich with me this weekend! I can’t ask for leave this time! If you are not there at the award ceremony, the whole European football team will feel sorry!” Magath with red face finally appeared!

Won the Triple Crown last season. His prestige in the coaching session has risen, and he has won two rounds this season. This makes him very confident in the next European Super Cup game against the Moscow Central Army, let alone seeing Lu Qiujiang now. It’s back! As long as he is there. Magath couldn’t think of any reason for Bayern to fail.

“No problem, I’m fairly free recently!” It’s been a while before I made an appointment with Dr. Evans, so I will contribute to the hundred people in this free time!

“Very good, Lu, you first go to the sidelines to warm up, and then we will practice tactics against the Moscow Central Army!” Last season. The Moscow Central Army defeated Atletico Lisbon 3 to 1 and won the UEFA Cup, thus becoming the opponent to compete with Bayern for the European Super Cup this season.

In addition, in the German Super Cup that has been held, Bayern once again defeated the old opponent Schalke to win the championship got a starter, but at that time Lu Qiujiang was busy and did not have time to come back to participate in the game .

“Okay!” Lu Qiujiang went to the dressing room to change his shoes and started jogging around the runway. This year’s Bayern team’s lineup is still slightly changed. You have to be familiar with their way of playing before you can start a smooth cooperation.

Run a few laps to open muscles, and did some stretching and other preparations with the help of an assistant coach. Lu Qiujiang joined in the tactical training.

Ram is worthy of being a supernova unanimously favored by Bayern executives. Although his body is not as strong as traditional German players, his speed and technology are very good. Time and time again, the veteran Lizarazu is exhausted! It seems that this kid is really likely to replace his main position this season!

“Philip, be careful!” Lv Qiujian took a look at the situation and pulled Ram away, allowing him to escape the danger of being injured; Lv Qiujian didn’t know that if he didn’t do this, Ram would probably have to wait until December Only then can the injury come back.

At the end of a day of training, enthusiastic Kahn took Lu Qiujian and the team ’s newcomers to Hipi and went back to rest. After some fun, Lu Qiujian also compared the personality of these newcomers. Clear understanding.

On August 24th, Lu Qiujian, Kahn, Magath, Hennesse and Beckenbauer boarded a flight to Zurich. Tomorrow will be the draw of the Champions League!

Chapter 327 - Best Player and Champion (16/34)

The plane landed at Zurich’s airport, and a group of people came to the hotel in a special car. After getting rid of many journalists, they entered their respective rooms. ● ◡

“The coaches of the major clubs have a small exchange event, I am going to participate, you arrange it yourself!” Magath took care of his clothes and left first.

“I’m going to meet Galliani and Kenyon.” Henes also didn’t want to miss this opportunity to communicate with the managers of major clubs.

“Well, I went to find Johansson, and tomorrow I will draw lots. I don’t want Bayern to be assigned to the group of death!” Beckenbauer also made arrangements. After a while, Bayern’s representatives left only Lu Qiujian and Pakistan Lak, Kahn, and Ma Kai.

“Let’s put things back into the room first!” Kahn took the lead and returned to the room. Lv Qiujian and others followed. After entering the room, Kahn changed clothes and was ready to go out.

And Lu Qiujian opened the computer to relish the latest papers on the computer. Well, this guy from California Institute of Technology named Shelton is pretty good about gravitational waves! Unfortunately, at first, cern does not have the same equipment as the same grade. Secondly, this detection method has a bigger chance of luck, and it is impossible to master the rhythm by yourself. Otherwise, it is not bad to choose gravitational wave as the Nobel prize!

“Lv, what are you looking at? Let’s go to the bar on the second floor with me! You know, tomorrow will be the European Champions Cup awards event and lottery ceremony! Now there must be many

girls looking for opportunities in the bar at this time! Kahn squeezed his eyes and made an expression that all men could understand.

“I’m reading an article about gravitational waves! This article is very interesting! So I will not go, you go next door and ask Michel and Roy to go with you!” Lu Qiuqian’s attention is still on that paper.

“Well, what is a gravitational wave?” Kahn asked subconsciously, but immediately regretted it after the question.

“According to Einstein’s theory, a spatiotemporal fluctuation that travels at the speed of light. It is a way in which the perturbation of the curvature of spacetime is transmitted outward in the form of a traveling wave. Just as an electric charge emits electromagnetic radiation when it is accelerated, the same mass object When accelerated, it emits gravitational radiation, which is an important prediction of general relativity. “Sure enough, Lu Qiuqian began to say that something he did not understand came.” This scientist named Shelton used laser light to interfere with gravitational waves. The data collected by the Observatory wrote an article about gravitational waves. This article describes the beginning of the Big Bang ... “

Tells you to talk! Kahn slaps himself and quickly interrupts Lu Qiuqian’s words. “Uh, I thought about it, or I won’t disturb you to read the article, I went to the next door to find Roy and Michel! You can study quietly in the room yourself!”

Looking at Lu Qiuqian’s answer, he ran out of the room. When he arrived outside, he saw Ma Kai and Barak coming out, “Hey, Roy, Michel, let’s go to the bar on the second floor!”

“Lu hasn’t come out yet? Isn’t he going?” Ma Kai pointed to Lu Qiuqian’s room.

“He is reading the paper. There is no time to play with us!” Kahn replied with a shrug.

“It’s okay! Every time I go to the bar with him, the girl is soaked up by her alone! This time it’s finally my turn to show my talent!” Barak rubbed his hands, showing a wretched smile.

“Come on! I am the first pick of the Bayern team!... Well, okay, except that guy!” Kahn hugged Ma Kai’s shoulders, the three of them walked in the direction of the elevator.

The next day, at 4 pm local time in Zurich, the 2004-2005 season UEFA Champions League award ceremony and the 2005-2006 season group stage draw ceremony officially began.

First of all was the best awards of last season. First, Chelsea's Cech took the trophy of the best goalkeeper from John Pine, and Kahn looked straight. In his opinion, he should be the winner of this award.

Followed by the best defender. Terry, also from Chelsea, won the award, and then it was Lu Qiujiang's turn. He overwhelmed Gerrard of Liverpool and Kaka of Milan to receive this honor. Then in Ma Kai's expectation, the best forward was won by Ronaldinho from Barcelona; then the Golden Boot Award was also won by Lu Qiujiang, and Ma Kai missed this award again because of the penalty kick.

"He only scored four goals last year! Less than half of me!" Ma Kai vomited badly. Shrinking the circle with Kahn and cursing the prize-winning panelists.

"The winner of the 2004-2005 season's best player is ... Lv Qiujiang!" The host waited a while and saw enough candidates to qualify for this award before announcing the name.

Magat and the Moscow Central Army head coach Gazev jointly won the title of best coach; Lu Qiujiang was sprayed with the best player, golden boot award and best midfielder trophy before being seated and then hosted People called up, now it is the awarding stage of the European Golden Boot Award.

In the Bundesliga last season, he scored a total of 27 goals, overwhelming Henry the Great and Diego Fran 25 goals to win this award.

"Come. The best midfielder Michael held it for me, and the Golden Boot award Roy helped me hold it! The best player Oliver took it for a while!" Lu Qiujiang stuffed the trophy to them before Shi Shiran Boarded the podium.

This guy is too bad! It's unforgivable! Ahhhhhh! A group of frustrated people spit and hold the trophy sorrowfully. Is this despire that we have not won the prize!

"I have won the European Golden Boot Award, but I scored 29 goals!" Ma Kai said heartily, he won this honor when the small carp A Coruña in the 02/03 season.

“How many times did you play at that time? It was more than doubled than Lu Duo? There were only two more goals. What’s so proud of?” Kahn teared his shamelessly mercilessly.

Fortunately, they were just playing around, instead of really having opinions on Lv Qiujiang, and when he came down, the four people were together in a hip-hop scene.

At the draw ceremony, Bayern and Juventus were once again divided into a group, and they were also in the same group as Bruges and Vienna. The signing was not bad, there was no problem in qualifying, it depends on who will get the first place in the group Too.

Then in the European Super Cup four days later, Lu Qiujiang showed his good competitive state in his first appearance in the new season. A direct free kick, a midfield breakthrough and even two cities, and also helped the Ram who assisted the score. In Bayern’s first goal, coupled with Marque’s header, Bayern Munich easily defeated the Moscow Central Army 4-0 to win the second trophy of the new season.

Chapter 328 - Bet with Hawking

At the end of the European Super Cup, Lu Qiujiang followed the team back to Munich to celebrate, and in the next league, he played a hat trick easily and brushed to the top of the scorer list. Then he returned to Geneva again. It is almost time until the experiment is ready Time to complete the work!

“Yes, it’s almost finished! Lafayette are preparing for the experimental protocol you left behind! The experiment can be officially started in another week!” Dr. Evans said with joy. I look forward to seeing you surprise us again! “

“I also look forward to it, but the hope of success for the first time is not great. I still need more practical data to correct my plan!” Lu Qiujiang was not stunned by the good news.

“Cern will understand you!” Dr. Evans reassured, “Peter and Stephen are both chatting in the exchange center, and there are scientists from some cooperating units. You can talk to them too!”

Hawking and Higgs are also there? Well, they gave me a lot of support before. They really should thank them and talk a few words. Lu Qiujiang came out of Dr. Evans’ office and walked to the exchange center.

“Director Chen! You are still outside. I didn’t call me this time to let you pick you up at the airport!” Among the group of white people, Lu Qiujian easily saw the director Chen of the High Energy Institute in Beijing.

“When I came, you were playing in Germany! If you come over to Magath and Beckenbauer, I must blame me!” Mr. Chen, who looks like a fan, said jokingly.

“Professor Wang, Professor Sun, Professor Mu, Professor Liu, Professor Wu ... Hello!” He was still surrounded by Chinese scientific circles who had a cooperative relationship with cern. Lu Qiujian greeted each other one by one.

“In the past, I always cooperated with foreigners’ experimental schemes. Although Professor Ding Zhaozhong is of Chinese origin, he is ultimately a nationality of the United States. This time it can be regarded as a help for the experimental plan led by scientists in our country!” Professor Wu, who was working on the project team, said with emotion that the Chinese scientists present echoed.

“We just started a little late. Before the domestic economy was underdeveloped, there was no way to invest too much money in the basic areas; after the construction is completed, let those foreigners go to our country to fight for us!” Lv Qiujian lowered his voice and opened Kidding. The crowd burst into laughter again.

The laughter caught the attention of the people around him, and Higgs, who was standing high, looked over and saw Lu Qiujian among the crowd. Quickly waved and said, “Lv, come here!”

“I’ll lose my company first, and then talk later!” Lv Qiujian walked in front of Professor Higgs. “Professor Higgs, Professor Engeler, and Professor Braut, congratulations, you are now Nobel Physics The most leading candidate in the prize odds list, I think you may be able to hear about your winnings in more than a month! “

“Haha. Thank you for your experimental plan and data analysis method! Otherwise, we don’t know how long to wait!” It seems that Higgs is confident about his award and has no humility, but also his weight of achievement , Qualifications, etc. are among the leading candidates. As long as the Royal Swedish Academy of Sciences does not make mistakes, the award of the three of them is almost a foregone conclusion.

“Yes, thank you very much, Lu, this is not just a question of the Nobel Prize; more importantly, we finally see the moment when our theory is confirmed! Even if God calls me now, I have no regrets!” Professor Robert-Brout solemnly said.

“Robert. Don’t say these sad words!” Seeing Braut, who was the weakest body, was a little excited, Engeler quickly came out to make the clearance, “Lu is still waiting for us to nominate him for the Nobel Prize!”

“That won’t wait long! If the dark matter is discovered. Lv will get this opportunity immediately!” Higgs also plugged in to change the subject.

“I haven’t thanked you for your support. Without you, my test plan was approved so quickly!” Lv Qiujian said sincerely.

Professor Blaut’s mood gradually adjusted, and several people began discussions about dark matter, gradually attracting more scientists to join in, and expressed their wishes for the successful experiment of Lu Qiujian.

“I think Lü’s experiment is unlikely to find dark matter, because according to my judgment ...” A unique electronic sound was added to their discussion, the crowd gave way to a gap, and Stephen Hawking came to them in a wheelchair.

“We just know that you are betting that Lu’s experiment is unlikely to be successful and you are so confident in him!” Higgs quipped. Hawking loses every time he bets. He has become a Bailey figure in physics.

“Professor Hawking. Either we have another bet.” Lu Qiujian suddenly came up with a ghost idea.

“What? Are you scared? Lu, as a scientist. Have confidence in his theory!” On hearing this, Hawking kindly persuaded him!

“No, no, I ’m not worried that I ’m going to fail, and I ’m not afraid of streaking! You ’re not as good as this. If I still do n’t find dark matter after many tests, then I ’m right as you said before. Slamming through the tunnel! If you lose, just give me a small request! “

“Time! How long is the time limit for betting!” Hawking Mingrui discovered the loophole in Lu Qiujian’s discourse, “If the time is too long, you can’t do it, you are much younger than us!”

“It’s better to have a three-year deadline!” Lv Qiujian weighed it and gave a definite number. Okay, for three years, by September 2008, no dark matter was found. Even if you lose! Hawking agreed to his deadline, “So what are your requirements?” “

“If you find evidence of the existence of dark matter within three years, then you will be the main vocalist. Let’s make a record and publish it for release! I know you worked with Peace Floyd in 1994. Presumably you are no stranger to making records. “It seems interesting to sing with electronic sounds. Lu Qiujian thought of Hatsune Miku.

“Well, I can be a bass player to accompany you, how about letting Brian May as a guitar player?” Lv Qiujian also made suggestions. Unfortunately, Feynman has died for many years, otherwise it seems good to let him be a drummer! The 65-year Nobel Prize in Physics and a core member of the Manhattan Project has a samba drum technique comparable to professional drummers, and has also performed on stage many times.

Unfortunately, after all, a rock band composed of pure physicists is not possible! Lu Qiujian felt a little sorry.

Chapter 329 - successor

Hawking readily accepted the game with Lv Qiujian. In fact, he did not want Lv Qiujian’s experiment to fail, but just wanted to add an interesting little story to the academic world. ☺

After a brief exchange, Lu Qiujian started the busy preparation work for the experiment. After several days of intense and efficient work, the preparation work for the dark matter experiment was nearing completion.

“The cms particle detector has been debugged, and the atlas particle detector has been debugged ...” In the office of Dr. Evans, the staff of each team is reporting on the progress of the team.

“The power supply with France and Switzerland has been negotiated successfully, and they have given a timetable in accordance with our requirements.” This is the work of energy supply.

“Liquid nitrogen in the accelerator pipe has been refilled and the superconducting coil passed the test successfully!” This is the preparation work for the accelerator pipe.

“Each cooperative unit has been contacted, and they are all ready to receive data!” Professor David Colin of the Computing Grid Hub Center reported.

“Very good! Very good!” Dr. Evans applauded after listening to everyone’s report, “Since all the preparations have been completed, let’s start the experiment according to the scheduled timetable!”

“Ok!”

“Ok!”

“no problem!”

The office immediately responded with excitement, accompanied by a few whistle. It seemed like a group of e-sports players going to participate in the competition. They did not have the seriousness and solemnity of scientists. Qiu Jian lowered his burden and became relaxed.

But I am really not nervous at all! Smiling and nodding to thank them for their support and kindness, Lv Qiujian was glad for this excellent team of cern.

“Lv, I heard you made a bet with Professor Hawking?” David Colin came over and asked, “If you really have a record, remember to send me a signed version!”

“There is still me! But I don’t know if you can even play bass?” Dr. Lafayette also squeezed forward and asked.

“You know, I used to stay in Princeton for a while and often meet Professor Witten! So it’s no stranger to strings like this! Bass only has four strings. It’s easy to play with!” Lv Qiujian joked, will Professor Witten’s superstring theory is conflated with bass strings.

“Wait until the experiment is successful, when the celebration dinner is held, you must perform for us!” Dr. Evans also came to join in the fun.

“Yes, no problem! As long as you are willing to perform tap dance, I will definitely accompany you!” Lv Qiujian also coaxed. Although Dr. Evans is from Ireland, he may not be able to tap dance! Besides, people are already in their 60s, I do n’t know if I ca n’t move!

“Hahahaha. Absolutely no problem! When I was young, I was the tap-dance king of the whole school. I knew my wife because of dancing!” I didn’t expect Dr. Evans to be really covered, and neatly agreed to Lu Qiu Built recommendations.

After some troubles, the staff of each team returned to their jobs and began the final preparations, and everything was going smoothly according to the plan.

Soon, the scheduled test time was up. Lv Qiujian and Dr. Evans took the core staff of the experimental group to the general monitoring room again. “The accelerator channel group reported the preparation!”

“The accelerator channel test is completed. You can test!”

“Atlas experimental group reports preparations!”

“Atlas experimental group is ready! You can experiment!”

“Received! Cms experimental group to report preparations!”

“Cms experimental group is ready! You can experiment!”

“Received! The experimental group reports on the preparation!”

“The experimental group is ready! You can experiment!”

.....

All the work has been completed, and the facilities are ready for the experiment, just waiting for Dr. Evans to announce the start of the experiment.

Dr. Evans took the microphone, opened his mouth slightly, and closed it again. After hesitating for a moment, he stuffed the microphone into Lu Qiujian’s hands. “Lv, it’s up to you to give the order for this experiment!”

Dr. Evans has made plans to wait for the success of this experiment. After Qiujian received a Ph.D. in physics from the University of Munich, he retired from cern, leaving this position to Luqiujian. Now as a hint to his exercise and to the staff of the test group!

Seeing the move of Dr. Evans, the other members of the experimental group all showed surprised expressions, but soon returned to calm; Dr. Evans regarded Lu Qiu Jian as his successor. This is no longer news in CERN. After the success of the Higgs boson experiment, he handed over most of his original work to Lu Qiu Jian, and Lu Qiu Jian also did a very good job.

Due to Lu Qiu Jian's energetic energy, profound mathematical skills, and familiarity with the experimental link, in addition to certain places with relatively high requirements for experience, to a certain extent, he can even say that he is better than Dr. Evans. Even better.

Those present are scientists who have worked in CERN for many years. They are fully aware of the abilities required for this job. They have never asked themselves if they can switch to Lu Qiu Jian's position. Do he achieve this degree? The answer is obvious. If they get to this position, they are definitely not as efficient as Dr. Evans's work, let alone Lu Qiu Jian.

"Lu, what are you waiting for? Let's announce the experiment!" Lafayette saw Lu Qiu Jian a little stunned, stepping forward and patting his shoulder hinted.

"I ... It seems inappropriate for me to do this work?" Lu Qiu Jian hesitated. He knew the deep meaning of Dr. Evans's move, and he was confident to do the work well; however, he did. He didn't plan to tie his future to CERN. After his work in Europe was completed, he would eventually return to China.

"No! No problem at all! The plan for this experiment is proposed by you, and the theory is provided by you! Most of the preparation work is also carried out under your overall planning! You have this qualification!" David Colin also persuaded.

"Yeah, Lu, you promised! Others Dr. Evans waited too long!" Someone said punically, of course, they did not dislike Dr. Evans, but felt that someone would share the respect for the respected old man. Some work is not bad, Lu Qiu Jian is in charge of the experimental group does not mean that Dr. Evans has to leave! CERN still has a lot of jobs!

"Thank you, so good!" Lu Qiu Jian took the microphone, cleared his throat, and officially issued the order, "The first dark matter exploration experiment begins!"

Chapter 330 - As expected

The person in charge of each link of the experiment did not hesitate to hear Lu Qiu Jian's voice, and immediately started the equipment according to the predetermined plan, and launched two opposite proton beams into the deep underground acceleration pipeline according to the predetermined plan.

The proton beam is quickly accelerated to a speed close to the speed of light, collides at a predetermined collision point, and emits a brighter light than the sun. Various detectors collect these valuable data.

Lu Qiujian and Dr. Evans and others waited until the experiment was completely completed. After confirming that no accidents occurred, there was a warm applause from the general monitoring room. From the current point of view, the experiment seems to have been successfully completed according to the expected plan. Next It is necessary to find evidence of the existence of dark matter from the vast data.

“Okay, my job is next!” Professor David Colin of the Computational Grid Hub Center applauded. He sent the data collected by the detector to hundreds of cooperative units all over the world. They conducted analysis and summary, and finally reached the conclusion of whether the test was successful or failed.

“Thank you very much for your hard work this time!” Lv Qiujian made a bow and wanted to thank these partners who worked hard for a long time.

“Compared to your workload, we are simply too easy!” Dr. Lafayette said with a shrug. Lv Qiujian should be the person with the most workload on the whole team during this time. He admired, “If you want to thank, find out the secret of dark matter!”

“I will finish my data processing as soon as possible!” After this work, they have also rested for a while, but Lu Qiujian has to continue the data processing work to find out the dark matter evidence that may exist from so much data , Is not a simple job, I hope you can be as lucky as Higgs! I wonder if Dietrich’s guy will be as lucky this time as before?

“Let’s hold a dinner party after the data processing is over!” Lu Qiujian and these partners hurriedly bid farewell and embarked on the journey back to Munich.

Landed at Munich Airport and returned to the school in a car from Dietrich. Along the way, he was full of enthusiasm, Lu Qiujian, talking about various predictions about data analysis. It seems that the previous two successes gave him great confidence.

“I hope you can play your own good luck again!” Although knowing that Dietrich had discovered anomalous data twice was just an accident, it does not mean that he can still find evidence of the existence of dark matter this time, but please forgive Lu Qiujian Now the expectations, let scientists also superstition it!

The University of Munich attaches more importance to this experiment than the previous two. Lv Qiujian was only an important member of the experiment, and this time he provided from theory to experimental program. Glory! Maybe there will be another Nobel Prize winner at the University of Munich!

Amount, but will his achievements affect Professor Theodor-Hensch's award? Even if someone thinks about this, there is no entanglement. Professor Theodor-Hensch's achievements are undoubtedly Nobel-level. As long as his health is fine, he will win this award sooner or later, so why not have another Nobel-level achievement?

The thoughtful care of the school allows the laboratory friends to concentrate all their energy on data analysis. Under the leadership of Lu Qiujian, they started a tense and busy work.

Tired, refreshed with a cup of coffee; sleepy, squinted for a while in the next room; hungry, and someone immediately brought a variety of takeaways. . They only need to perform boring data analysis in front of the computer. At the beginning, there was a trace of expectation to witness an important milestone in the history of science. But with the extension of work, one group and two groups. . Twelve groups and twenty groups. One hundred groups and two hundred groups. . Even with more data analysis, we have never found something that can make people shine, and everyone's spirit gradually slacks off. The efficiency of the work has also dropped a lot compared to the beginning.

Lv Qiujian knew that the string would be too tight to cause an accident, so he simply took a day off and gave them a good day of rest; wait for everyone to sleep and pull them to the Allianz Stadium that was just in use this season to enjoy a Bayern In the Bundesliga game in Munich, he also went on the field to sway a wave of depression caused by repeated disappointments.

So Hanover 96 became the unlucky ghost under Lu Qiujian's anger. Throughout the game, their goalkeeper picked up football from the goal behind him seven times, four of which were direct credits from Lu Qiujian and one was his assist.

After the game. Having played for Bayern for many years and won the European Champions Cup for Bayern in the 2000-2001 season (ah, forget this before, Kahn should already have a Champions League trophy!) Khan veteran Michael Tanatra Kahn complained for a while.

After relaxing, they started to be busy again, this time the work efficiency has improved slightly, but it is regrettable that until the data distributed to them by the cern grid data center has been

processed, there is nothing that can make people see A bright result; even Dietrich, who broke his watch two times before, did not work again.

So, what is the problem? Lv Qiujian was not too frustrated, he had already had this kind of omen before long. Such a major breakthrough could be completed successfully in one go. Just when other partners were down, he had begun to study the results of these data analyses, trying to find out why the experiment failed.

“Lv, don’t be frustrated. The data processing efficiency of our laboratory is the highest in the world, so it is much earlier than that of other cooperative units! The data of other cooperative units have not been processed yet! Maybe you will get good soon News!” Ludwig, who had recovered slightly from depression, came over and comforted.

“I’m not frustrated, this is all expected! Dr. Evans and I didn’t have the expectation of success once, of course, it would be better if other partners could find something!” Lv Qiujian did not see much loss on his face. “I am currently studying these results to see if I can find a way to improve the experimental plan!”

“You have been working for so many days in a row! You have been working longer and processing more data than any of us here! It’s time to take a break!” Dietrich removed him from the computer indiscriminately. Pull away, “Come on, let’s go out and relax with us, maybe there will be some good news from a research institute when you relax!”