

## D. School 291

Chapter 291 - look forward to

“Poor Rostock! Despite 45 minutes, I want to say that the result of the game is already obvious!” Huang Daxian couldn’t help but sympathize with Bayern’s opponents, and swallowed five eggs in 45 minutes. , How much more to lose in the second half? Does Bayern want to break its winning record?

“Good job! It will soon be the quarter-finals of the Champions League! I’m going to rotate in the second half!” Magath was very happy when he saw the victory, “Lizzarazu, you have a good rest in the second half! Also Others can come forward if they want to rest; Lu, since you will not participate in the next two games, then stay on the field for a while, and you can also brush the number of goals by the way. The gap between you and Mintar Not very big! “Lizarazu is 36 years old after all. After entering the second half of the league, some physical problems have appeared. He is an important choice for the Bayern side. Magath like to let him keep his physical strength until More important in the Champions League game. [www.xm](http://www.xm)

“Okay!” Although Lu Qiuqian did not care about the Golden Boot Award, why not make more money? He glanced at Ma Kai, who is now ranked third on the shooter list, but he did not have the hope of obtaining golden boots, but he did not have a trace of jealousy on his face, maybe he has been completely conquered by Lu Qiuqian’s ball skills?

“If other people have no opinion, I have a good rest in the second half!” Ze Roberto is also thirty-one, and since the victory has been decided, then the rest should also be.

“No problem, Deisler, you are ready to play in the second half!” Magath agreed with pleasure, leaving the last place without worry, just in case of any special situation in the game.

“Beautiful Zhise! Lu Qiuqian got rid of two defensive players in front of the penalty area and sent a wonderful pass. Ma Kai received the pass in the penalty area! The referee’s whistle sounded, a penalty! It seems that the opponent’s defender would rather Give Bayern a penalty and do not want Ma Kai to score so easily! “Rostock was hit hard again just at the beginning of the second half.

“Lv, come on this ball!” Ma Kai gave up the chance of free throw. “You have too few to participate in the game. The more you can close the gap between the ball and Mintar, the golden boots will be more secure!”

“Thank you. Roy, but since it’s an opportunity you created. It’s still you!” Now that the victory is settled, Lu Qiujian has no chance to use a penalty kick \*.

The two of them pushed back and forth for a long time, and refused to take the penalty. In the end, Lu Qiujian simply gave the opportunity to others. “Forget it, it is better to give Ze Roberto. He has sent several assists in this game. Let him score a goal! “

Some concessions of peace. Ze Roberto stood at the free throw point, walked up, shot, and made it easily, then was replaced by Deisler after the celebration.

Rostock has completely lost his fighting spirit. Although Bayern did not want to attack, Rostock still made mistakes one after another, and it gave Bayern a free kick at the front of the penalty area shortly afterwards.

People patted Lu Qiujian’s shoulders and got into the penalty area to try to disrupt Rostock’s defense. From their perspective, it seems that Zhejiang will be another goal. “Sebastian, this is still yours!” Seeing that the position of this free kick was just within Deisler’s range, Lu Qiujiashun grabbed him.

Ok? Give me for Mao! Looking at Desler’s dumbfounded eyes. Lu Qiujian quickly explained, “Anyway, the game has been won. You can try it. After all, I have to leave at Bayern for two seasons at most! You will also get a free kick in the future?”

Deisler accepted his statement and stood behind the penalty point with him, “Don’t be induced by them, the penalty kick must be Lu Qiujian! Don’t worry about Deisler! We will prepare when Lu starts. Take off and intercept! “The captain of Rostock whispered the man’s wall, hum, mock. I still want to lie to me, but I’m very smart!

The goalkeeper gave him a thumbs up. Captain I knew these little tricks could not hide you, rest assured. I will try my best to seal Lu’s shot.

When the referee whistled, Lu Qiujian ran towards the football with a small step. Before reaching the ball, he was about to touch the ball. Suddenly he collapsed from the top of the football, and Deisler followed behind with a vigorous volley to jump the ball from the jump Kicked under the wall.

Wipe, it’s almost! Seeing the trajectory of the ball, Lv Qiujian had already determined the place of the football and quickly moved two steps forward; only listening to a loud bang, the football hit the

goal post and bounced back, Lv Qiujian extended his right foot. With a light touch, the football fell into the empty goal and Bayern's goal difference rose to seven!

Hey, I didn't mean it! Lv Qiujian looked at the captain of Rostock innocently. The captain's eyes were blank. Is this what they set in advance? But since there is a technique that can kick the football on the goal post, why doesn't Mao kick it directly into the goal?

Now that they have reached this point, Bayern can't bear to continue to attack. The two sides bored each other in the half of each other. The ninety minutes arrived, and the referee did not give a direct whistle for the end of the game. The Rostock players were relieved for a long time.

There is really nothing to say about this game. Lv Qiujian did not follow Magath to the press conference, and took a ride on Deisler's ride to return to the University of Munich.

Forever, the new issue of "aur" should also come out. I don't know how the academics will evaluate their new articles? With this thought in mind, Lu Qiujian returned to the laboratory. If the magazine had already been delivered, there would definitely be where.

"Lv, the magazine has arrived, I saw your article!" As soon as the door was pushed open, Dietrich handed the magazine diligently, and turned to the night of his article.

"Thank you!" Lu Qiujian took over the magazine and looked. The editor of "aur" gave him a nice page. It seemed that he paid more attention to this article.

Regarding models of dark matter, physicists have already proposed many kinds of them. Perhaps they are correct, or they are just the imagination of a physicist. Another option is provided. After reviewing by the editor and reviewer of "aur", he found that the model submitted by Lu Qiujian is almost mathematically perfect, and if it is inferred on this basis, it seems that some observed astronomical phenomena can be reasonably explained.

Well, Lu Qiujian put away the magazine with satisfaction, and then we will see what kind of reaction will happen in the physics session! If the response is overwhelming, you can try to propose a plan to Dr. Evans to change the experimental plan!

## Chapter 292 - Academic response

Scientists are very busy, even at the Witten level. He got up early in the morning and routinely brushed for three or four hours, and then opened the newest pile of high-end journals on his desk.

“Edward, I heard that you are going to China recently?” Freeman-Dyson walked in without knocking on the door and sat on the chair in front of him.

“Yes, after the discovery of the Higgs boson, everyone became more keen on the construction of the collider; the international linear accelerators discussed by Neon, the United States and Europe () Although the discussion is lively, everyone knows how close During their economic downturn, many research funds were cut off by the government, and the prospects for the project were unclear! “Witten closed the magazine in hand.

“If it’s done successfully, first find out how the Higgs boson could be Europe!” Dyson shook his head in frustration. “The guy Philip is estimated to be scolded! Especially after making such an important achievement. . “

“Hua Guo seems to want to make a big move in this area! They have developed well in the economic field in recent years, and now they are willing to invest in the basic field!” Witten, although he didn’t say anything, could see that Philip Anderson was Dissatisfied with the role played in the termination process, “So Mizuki University invited me, David Gross, Gerard Te Hoft, Nima Akani Hamid, Joseph Inkandra, etc. A physicist communicates about the future development of the physics community after the discovery of the Higgs boson. The meeting will be hosted by Qiu Chengtong! “

David Gross was the winner of the Nobel Prize last year. He used to be a teacher of Witten and made outstanding contributions in gauge field and particle physics; Gerard Tehuft was the Nobel Prize in 1999. The winner has made a lot of achievements in gauge theory and quantum chromodynamics. By the way, he is also the nephew of the 1953 Nobel Prize winner in physics, Fritz-Selnik. It seems that this family has a very high IQ.

Hamid and Icandra are both winners of the Basic Physics Award. These eight physicists are world-class scholars. Mizuki University invited them to show their ambition to make breakthroughs in the field of high-energy physics.

“It seems that it won’t take long for our students to work for the Chinese!” Dyson shrugged helplessly. Both he and Witten are a bit older, and they may not be able to wait until the official day of operation. However, if their students want to make achievements in this field, they must rush to China as they often go to cern.

“Maybe Lu will lead this project in the future!” Witten speculated. “From design and construction to official operation, this project is expected to take 20 years. At that time, he was at a very young

age, and it seems that I could n't find a better candidate. Although China has emerged a lot in recent years, Outstanding young scholar. I haven't heard of it compared to him. “

“I'm afraid he won the Nobel Prize at that time?” Dyson guessed with his legs tilted up. “In addition to the Fields Prize that will definitely be awarded to him next year, Lu will create a miracle before you. History The first scholar to win both the Fields Medal and the Nobel Prize! “

If string theory is confirmed, Witten will no doubt be honored, but at least at the age he can live, it is probably not seen this day. However, at the level of Witten, it is not so important to pay attention to what is awarded. Instead of paying attention to who will win the award, it is better to pay attention to what new theory has come recently.

“Okay, would you just come to me just to say this?” Witten picked up the magazine again and drove people away. You are old, I am still young, and I want to make more academic things, but I do n't have time to stay with you nonsense!

“Uh, what do I want to tell you? Oh, yes, Lu sent another article, he gave a new dark matter model!” Dyson Paola Paola pulled out “Nature” from the magazine stack and handed it over , “I looked at it and found it interesting. I just wanted to hear your thoughts!”

In the early 1980s, Witten predicted a strange quark combination. He believes that light mass quarks can be combined with heavy mass quarks to form a new type of composite particle. But unlike protons and neutrons. This new composite particle cannot be part of the nucleus. However, they can polymerize to form a mass of unstructured particles. Witten called them “quark blocks.”

Physicists call the “quark block” macro particles. Macro particles are completely composed of a pile of quarks, and there are no electrons or voids in them, so they cannot be fused. There is no light. The high density also makes them less likely to interact with incident light. In short, macro particles are very dense, but they are very small, and if they are not completely missing, they are also difficult to find. So many people also regard macro particles as one of the possible forms of dark matter.

Physicists have also developed a series of experimental explorations in this direction, such as installing a polycarbonate plastic film on the sky laboratory space station. If particles pass through the plastic film, it will leave traces of etching; for example Use a 2 ton aluminum rod under ultra-low temperature to detect When the macro particles pass through the aluminum rod, they may interact with the aluminum and release energy, which will cause the aluminum rod to be heated and undergo a slight deformation However, they did not find any signs of macro particles after analyzing the aluminum rods.


At the same time, they also use cosmic ray detectors to monitor the interaction of macro particles with molecules in the Earth's atmosphere, and generate a special optical signal; use the hydrophone in the sea to monitor the vibration of macro particles when they cross the sea, etc. Unfortunately, The thing is that none of these methods found macro particles.

"I have a look first!" Witten turned to the page where Lu Qiujiang's thesis was located, carefully browsed it, turned on the computer after reading it, and tested the model with various software to see if it conformed to existing theories and phenomena.

Just as Dyson was about to wait impatiently, Witten frowned and said, "From my inspection, this model can indeed solve some problems, but there are too many models like this. They have Can explain this phenomenon, but it is inconsistent with another phenomenon; so I can't be sure yet more! "

"That is to say, you can't deny the possibility that such a model actually exists?" Dyson shrugged and said that Witten had done the work he just did!

Chapter 293 - Universe on the wall

Similar situations have happened in Princeton, Cambridge, Moscow, Dongda University, various universities and physics research institutions in the world. They are either happy, curious, skeptical, or looking at Lu Qiujiang disdainfully. Some articles were thrown aside after reading, while others tried to study this model. 

And Lu Qiujiang did not stop there. The second related article is being written. This time he intends to conduct an in-depth analysis of this model and derive the phenomena that this model may produce in the experiment. prepare for.

"Hello Professor Dietrich!" Lü Qiujiang came to the Observatory of the University of Munich to pay a visit to Professor Jörg Dietrich while the laboratory was not very busy this day; since this expert in the field of dark matter An invitation has been sent, so now you may have time to have more exchanges with him, and it is always good for multiple people to help themselves in the future.

"Oh, Lu, you are finally here!" Professor Dietrich did not politely pull Lu Qiujiang directly to his office, and a large photo of the wall was posted on the wall of his office. The photo is a vast starry sky, and there are countless white, blue, and red spots scattered on the deep black background. "Look at this! This is what I told you last time. Find!"

Professor Dietrich's obsessive eyes when looking at this photo reminded Lu Qiu Jian of the otaku who watched Mr. Chen's photographs. His eyes were burning, and he seemed to go through all the occlusions in the photos, just to explore the ultimate secret.

Gee, Lu Qiu Jian looked at the photos for a while, such a large size, such high pixels, only the photo paper had to be specially customized, the cost spent on the photo paper is estimated to be six digits; Nor is it possible for ordinary people. Must have professional equipment, high-end experts to specialize in washing.

Professor Dietrich is really rich and capricious! But this thing is nothing compared to the telescope he uses. It is really good to be a scientist! Think about it, those high-end devices with hundreds of millions, billions, even billions, and tens of billions of euros seem to them like toys, compared with these. What do the local tyrants who built golden sports cars in the Middle East count?

"The blue part is the gravitational source depicted by the gravitational lens; the red part is the intensity of the x-rays, which originate from the radiation caused by the intense collision of the plasma in the galaxy cluster." Professor Dietrich explained to Lu Qiu Jian, The gravitational source of the blue part is dark matter, and the white part is the glowing star, and the orange part is the halo of the glowing star.

"Standing in front of this picture, humans are really small!" Lu Qiu Jian was deeply smitten by the magnificence of this picture, and the squares contained the cosmic scale in billions of light years. It took hundreds of millions of years after the birth to be captured by human beings; compared to this, what time is this human being born!

"This is why I love astronomy!" Professor Dietrich strongly agreed with his words. He gently touched the surface of the photo. "There is no better picture in the world than this, whether it is" Mona Lisa "in the Louvre or Mary in the lens of Eve-Arnold. Lian-Monroe can't make me look away even for a second! "

Hey, this Professor Dietrich must be single! Seeing the magnificence of the universe, the beauty of the depths, the beauty of the depths, and the thoughts of taking care of the trivial things in life, Lu Qiu Jian understood at this moment why Professor Xuft said his temper was a little strange; , You do n't have to do it!

The materials of the otaku are either hidden in the mobile phone. Either hide it in a folder on your computer that is named the joystick driver or Mao Xuan, or change the cover of the teaching aids under the pillow. There is no such thing as Professor Ditrch, so magnificent, directly magnified into dozens of square meters and pasted on the wall of his office!

Amount, but then again, it is not easy for otakus to find such high-resolution pixel photos! I am afraid that no teacher of Deyi Shuangxin has ever made such awesome works, right?

“Look at this super galaxy cluster!” Professor Dietrich tried to reach out to pull Lu Qiuqian past, but he was consciously avoided by him, who knows what he has in his hands! Ok. Fortunately, I saw that the lady secretary at the door seemed to have good personal hygiene habits, otherwise it would be bad if you accidentally killed.

“Are you saying this?” Lu Qiuqian followed him two steps, looking at the star cluster shrouded in red and blue by the index finger of his right hand.

“Yes, that’s it.” Supercluster clusters are higher-level celestial systems formed by the clustering of several clusters of galaxies, and they may span billions of light-years of space. More than 5% of the visible universe, the typical velocity of the galaxy is about 1000 km / s. “This super galaxy cluster is named Abel 222/223.”

“The red part should be the x-ray emitted by the hot gas of normal matter.” It seems that the area of the red part is much smaller than the blue part.

“Well, after our calculations, normal matter is part of the filament of this super galaxy cluster but only accounts for 10% of its mass, and the rest is probably dark matter!” Di Professor Trich enthusiastically introduced the results of his team to Lu Qiuqian, “We can see that the two galaxy clusters collided. During the collision, the plasma interaction was so strong, but the two clusters of dark matter. However, there is no obvious interaction and it has passed through the other side intact to the other side. This is a very important observation evidence that dark matter exists in the galaxy cluster and is separated from baryon matter under violent impact. “

“A very remarkable discovery!” Lu Qiuqian exclaimed that colliding without dissipation is one of the characteristics of dark matter; if two snowballs collide like these two star clusters, they may stick together into a new Big snowball.

But dark matter is different. According to the traditional view, there is no interaction other than gravity between dark matter. When they meet, they will not stick together like two snowballs, but will “penetrate” each other, and kinetic energy will not. Dissipation occurs. Because it does not dissipate, there is no possibility that the dark matter in the universe will continue to collapse until a relatively dense “dark matter star” is formed.



This cosmological model also explains this photo taken by Dietrich well, proving that dark matter is a quite successful theory.

Chapter 294 - Let you down again

“This is my analysis of the movement of filaments in this galaxy cluster!” Professor Dietrich brought out a large amount of information to Lu Qiuqian. “If you bring your model into it, some of the inferences will be even more Perfect! “

“I’m also considering expanding this model recently.” Lu Qiuqian took over the data and said while looking through it, the phenomenon observed by Professor Dietrich provided solid evidence for the existence of dark matter, although we are now I don’t know what dark matter is, but it should indeed be one of the factors that make up the universe.

Inferring the unknown from the known is an important method of scientific exploration. Lu Qiuqian now intends to regard his dark matter model as a known situation, and infer more unknown.

“I am doing the final improvement work, and I will send out the article when it is revised!” Professor Dietrich said, “You can also help me check the article to see if there are any holes?”

“Very honored!” Lu Qiuqian nodded his answer. Professor Dietrich’s discovery is undoubtedly very important. Once it is published, it will definitely drive the scientific community’s upsurge in dark matter research. Beneficially, maybe I can start the experiment earlier!

Hum, Professor Dietrich saw Lu Qiuqian began to study his article carefully and no longer disturbed. He rubbed his hands and moved to the front of the big picture, and continued to look at the dotted stars in the picture.

Two hours later, Lu Qiuqian finally finished reading Professor Dietrich’s information. He closed the information and yelled, “Professor Dietrich!”

“Well? What’s the problem?” Hearing Lu Qiuqian’s cry, he reluctantly moved his eyes away from the wall and asked back at his desk.

Is really good. He did n’t feel tired after standing for two hours. Lv Qiuqian secretly sighed. “A very good article with detailed evidence and strict logical reasoning. It can be called a landmark discovery in the history of dark matter research!”

“Yes, thanks to the big guy at the observatory!” Professor Dietrich pointed excitedly at the telescope facing the space outside the window. “The school has always said that it has spent too much money on it, but with this achievement, I am afraid they will never say such things again!”

“They will also make additional grants to update the equipment in your laboratory. I look forward to seeing you make greater achievements!” Lv Qiujian expanded along his topic. In terms of disbursing funds, the disbursing party is quite similar. For those venture capital companies in Silicon Valley, the first fee is always the most difficult, but as long as the team that has obtained the investment later shows its potential. Subsequent payments will come one after another until the ultimate breakthrough or complete failure.

“Yes, just a telescope, a computer with higher performance.” Professor Dietrich reported many equipments he wanted, and finally shook his head regretfully. “Unfortunately, the University of Munich is just a university, and it is far from nasa. compared to.”

“The site selection of the fast project of the largest single-aperture radio telescope in China has been nearing completion. It is said that it will enter the final site selection review stage recently. It is estimated that it will not take long for this major project with an investment of nearly 100 million euros to start! If you are interested, you may wish to go to Huaguo! “Lu Qiujian helped his country recruit talents by the way. This project has been proposed since the project construction plan. It has been prepared for ten years, and it is about to enter the actual construction stage. The scientists in China intend to build a radio telescope with a diameter of 500 meters. I believe it is very attractive to astronomers like Professor Dietrich.

“Of course I know this project!” There was a trace of jealousy in his eyes, “I have already signed up! But there are so many people signing up, I don’t know when I will have the opportunity to see it in person!”

“Haha, there are still many years before its construction is completed. You can wait patiently. I believe that your status in the international astronomical world will be different at that time!” After speaking for a long time, Lu Qiujian finally said what he said about this article. The opinion is, “Your article is basically no problem, but the algorithm used in a few places is not very appropriate. The conclusions obtained are slightly different from the actual situation. I have made a note next to it. I hope Do n’t care! “

“Hmm? Where do I see it?” Professor Dietrich took the article and quickly looked through it, and found the location marked by Lu Qiujian soon. He immediately indulged in it, muttering to himself while doing a check in the blank space next to the article, trying to compare the new algorithm given by Lu Qiujian with the algorithm he used.

Lv Qiu Jian walked quietly to the side, sat on the sofa and looked at the large and small pictures of the universe stacked on the coffee table, waiting for the results of Professor Dietrich's calculation.

"It is indeed better!" After waiting for a long time, Professor Dietrich finally raised his head. Mathematics is the foundation of all natural sciences. The method given by such a powerful mathematician as Lu Qiu Jian is naturally much better than what he used before; plainly accepting the good intentions of others makes him feel a bit overwhelmed. He asked, "Well, how about listing you on the list of second authors when I post this article?"

"Thank you very much for your kindness, but I just did some insignificant work, this is not necessary!" Whether it is "Physical Review Letter" or "nature", "", a second author is no longer for Lu Qiu Jian. It's a bit attractive, "But if you can give a urge to the dark matter-related experiment after the article is published!"

This article is bound to have a huge impact on the physics session. Combined with the previous article of the dark matter model, the joint efforts of both parties may have an unexpected effect on pushing cern to change the experimental plan.

Professor Dietrich readily agreed, and Lu Qiu Jian returned to Professor Xuft 's laboratory with satisfaction, and continued to guide another Mr. Dietrich and others in their work.

After more than a week, Lu Qiu Jian returned to the training base of Bayern Munich again. The team has just ended two away games. This weekend, he may have to play again.

Hey, why are their faces embarrassed? And all of them are as spiritless as eggplant beaten by frost? And looking at his eyes a little dodge, Lu Qiu Jian stepped on the training ground with suspicion.

I saw Kahn pulled his head to Lu Qiu Jian's side, "Lu, I'm sorry to let you down again, we lost to Liverpool in the last UEFA Champions League game!"

Chapter 295 - Top 4

"Isn't it just to lose to Liverpool? The score of 2 to 1 is also okay! We now have a valuable away goal, the main home win 1 to 0 can be promoted!" Lu Qiu Jian comforted, "Let We will just kill them next week! "

This is mainly done as if we can't win the ball without you, which makes us very frustrated! Kahn roared in his heart, before Bayern we were also giants! The side of Magath is also a dignified face. After the game, he is the head coach. He is undoubtedly the one with the most pressure. The

newspaper is vomiting that he was defeated by Benitez. Magath is only suitable for second-rate ball. The team's statement was once again covered with major newspapers.

"Can you participate in the game in the middle of next week?" Magath asked. The victory of the game is still the most important anyway. As long as successive wins, these news will soon disappear.

"No problem!" Lu Qiujiang nodded and replied. Before next week, when it is time to go to cern, he can definitely spare time to wait for the game with Liverpool. Then go to cern to see it! By that time, Professor Dietrich's article page should be published, maybe there will be new changes in physics.

"That's good. We are going to fight against Mönchengladbach this weekend. According to their strength, they do not pose a threat to us, so we do not conduct targeted training. We are now starting to practice tactics against Liverpool!" Magath With a sigh of relief, he began directing the players to start tactical training.

On the weekend, the 28th round of the Bundesliga officially began, and now there are only seven games away from the end of the season. Bayern is not leading the Schalke with a score of 0.4. The opponent Monchengladbach is only ranked 14th. , And Bayern are not in the same grade, a good opportunity to score points can not be missed, Bayern Munich started under the leadership of Lv Qiujiang at the beginning of the game.

"Lu Qiujiang! Lu Qiujiang again! Just ten minutes after the game started, Lu Qiujiang took the opportunity to score from a long shot! Although he only participated in half of the games, the number of goals has risen to more than twenty! The scorer is ahead of Mintar and his teammate Dutch striker Ma Kai! "Huang Daxian shouted again excitedly," The average efficiency of two goals per game is more than ever. It is unprecedented in the history of international football. In seven more games, the Bundesliga Golden Boot award will fall into the hands of a Chinese player this season, this is the first time in Asia! "

"And he scored a lot in the Champions League! Bayern has not yet been eliminated, Lu Qiujiang did not miss the chance to win the Champions League Golden Boot Award!" Tao Wei added aside. If it were not for the last game that Lu Qiujiang was forced to play as a goalkeeper, he certainly would not have scored only one goal.

Lv Qiujiang did not disappoint the thousands of Chinese fans who were looking forward to. By the end of the game, he had easily completed a hat trick and led Bayern Munich to win a hearty victory. Bayern players can wait with ease to meet Liverpool's challenge.

Wednesday, April 13, Bayern continued their debut at the Munich Olympic Stadium, bringing the victory over Mönchengladbach to the game against England's giants Liverpool.

Liverpool's fate after the Premier League restructuring is very sad. This traditional English giant has been thrown away by Manchester United, Arsenal, Chelsea and other teams in the league long-distance runs. Twelve seasons have passed. Liverpool has been a Premier League champion so far. The trophies have not been won, which makes everyone feel uncomfortable mentioning the career honor of the Red Army soul Gerrard.

The league is not awesome, but the Liverpool Cup results are still quite good. In the 2000-2001 season, they won the five crowns of the Community Shield, the League Cup, the FA Cup, the UEFA Cup and the European Super Cup. Michael Owen also He won the European Golden Globe for his excellent performance in this process; their head coach Benitez is also very good at playing cup games. It is not easy to deal with such an opponent.

Hey, poor Gerrard, I could have used the European Champions Cup to make up for my career regrets. It seems that this time there is no chance! Lv Qiujian looked at the player wearing Liverpool No. 8 jersey across the stadium with regret.

唉, really worthy of me! After the game started, Lv Qiujian just took the ball two steps and ushered in the double defense of Gerrard and Biscayne. It seems that Benitez arranged two players to sandwich himself from the midfield. Presumably he I also know that whether or not Lu Qiujian can be restricted is the key to this game!

But what if you can prevent me from dribbling? I can still pass! Now that the two players come and attack me, other places will definitely be free! Lv Qiujian glanced to the right, and while Gerald and Biscayne turned their attention to the right, their toes picked up. Passing the football to Lizarazu who inserted on the left, Lizarazu quickly took the ball and broke through.

Gerald and Biscayne gave up midfielder Lu Qiujian with a little hesitation turned back to fill the empty frontier of the penalty area.

“Vicente, here!” Seeing that his side was empty. Lu Qiujian made another two steps to the left and reached for Lizarazu to ask for the ball, then Gerald and Biscayne ran up to make a pinch. Lu Qiujian did not stick the ball and took two steps to get a big foot Driving to the right, passing to the right veteran Sauer, Gerrard and Biscayne ran again in vain.

Twenty minutes before the game. Gerrard and Biscayan were exhausted by Lu Qiujiang's sudden shifting position, because the two midfielders were not in their position for a long time, and Liverpool's defense line became precarious under the impact of Bayern. Lu Qiujiang always The loophole that can find the Liverpool defense line sends a good pass. If Ma Kai and Pizarro are in poor condition, Liverpool's goal may have been lost!

In desperation, Benitez had to return Biscayan to the middle, and Gerald separately marked Lu Qiujiang, but how could a man defend Lu Qiujiang, he quickly drew the ball over Gela Jian Germany, and Barak made a two-for-one kill into the penalty area, easy to shoot and succeeded, Bayern lead one by one.

The game after the lead is better. If the score is kept to the end like this, Bayern will eliminate Liverpool because of the advantage of having more goals on the road and enter the next round. He intercepted Liverpool's midfield pass twice to launch a counterattack, assisted by Ma Kai to take a shot, and once used a free kick opportunity created by Ze Roberto to score.

Although Gerrard scored a long shot in the end, he was still unable to change the situation. Bayern easily fought against Victory to advance to the semifinals.

#### Chapter 296 - Another Alternative Schoolmaster (3/19)

Soon Bayern Munich's next opponent will also surface. The Southern Star will face Chelsea led by Mourinho in the semi-finals. This result has just received a good news after Magath announced that Lu Qiujiang He said, "Recently, the school and laboratory are not very busy, so I can participate in the recent league and away game against Chelsea!"

"That's great!" Magath was overwhelmed. Chelsea's Mourinho was the best at defensive counter-attack tactics. If his team lost on the road, even if Lu Qiujiang returned to the home court, he might not be able to break the goal. ! Now that he can participate in the away game, Bayern's grasp of the finals is even greater!

First abused Hannover 96 on the road, returned to the home and slaughtered Bochum, while the second-ranked Schalke 04 lost to Hamburg and Hertha Berlin, Bayern's lead expanded by another six points, and the league left In the next four rounds, Bayern almost won the Bundesliga this year.

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Lu Qiujiang scored another wave of goals in these two games, leaving Mintar far behind, while Ma Kai jumped to second place in the shooter list because of his assists! It seems that this season the gold and silver boots of the Bundesliga will be taken by Bayern.

“Simply you both wrapped up the gold and silver boots of the European Champions Cup!” After the game, Kahn teased them happily in the dressing room.

“Now the first place in the Champions League shooter list is Manchester United’s Van Nistelrooy, but Manchester United have been eliminated by Milan in the quarterfinals! His eight goals cannot be increased anymore, now Roy you have entered Seven goals, Lu scored five goals, according to your goal efficiency, it is hopeful to surpass Fanny at the same time! “Schweinsteiger also helped them analyze the two, his assists in Lu Qiu Jian today It was exciting to score a goal.

“Fanister Roy’s eight goals were all scored in the group stage! The two of you contributed more to the team during the knockout stage!” Someone helped. In the quarterfinals, Manchester United were double-killed by Milan, both home and away, 1-0. There was no goal, and the losers were rather unlucky.

Two days off, all Bayern team came to London to adapt to the venue two days in advance, this is the first time Lu Qiu Jian set foot on the British Isles, immediately became the focus of attention of major media at the airport.

Nima before you did not go to the away game. Now it ’s our Chelsea ’s turn and you ’re here! Depressed Mourinho threw the newspaper aside, thinking that he could play better in Chelsea without Lu Qiu Jian. It is best to fight for two more goal difference on the basis of ensuring victory. Now it seems that the plan arranged before It is time to readjust!

And after seeing the figure of Lu Qiu Jian in the newspaper, Abramovich remembered the value of tens of billions of dollars again. Hey, it seems that he still has to work hard to make money!

After adjusting to the venue the next day, Bayern returned to the hotel, “Free afternoon, you can relax yourself! But try not to go out of the hotel. So as not to conflict with Chelsea fans!” Magath also rarely tolerated.

“Okay, I’ll go to the gym to exercise!” Kahn left first, and Schweinsteiger also followed the big guys on the team.

Ze Roberto is pulling Lucio to prepare to play two live games. It sounds like Ze Roberto’s technique is not bad. “Luximare, don’t worry, it’s a big deal. I chose the Chinese team to make you better. You can choose the Brazil team! “

Nima, wait for me to come back and look for you. 10,000 euros per game, I won't win your salary this year, my last name! Lu Qiujian gave him a fierce glance. "Coach, I want to hang out, and I will definitely come back before dinner!"

Amount, don't clash with the fans, it's not good in case of injury .. Magath just wanted to persuade two words, as soon as he remembered Lu Qiujian's fighting power, he gave up. "Okay, where are you going?"

"Go to the Imperial College of Technology and take a look! It's a pity not to visit the local university. It's a pity not to visit the local university. Oxford and Cambridge are too far apart, so I have to go to Imperial College!" Lu Qiujian explained .

Let the hotel call for a taxi. Lu Qiujian went to Imperial College of Technology; although Imperial College of Technology was not as famous as Oxford and Cambridge, it was also regarded as a first-class institution in the UK. There were 15 Nobel Prize winners and two Philippine students in history. The winner of the Erz Prize, 1958 winner Klaus-Frederick Rose and 86-year winner Simon Donaldson.

Coincidentally, the reason why Simon Donaldson won the award is the contribution of the topology of the four-dimensional manifold. Presumably, he and Lu Qiujian must have a lot to say.

But Lu Qiujian came here just to see it. He did n't think of doing some exchanges with the professors here. When he enters the campus, he can hear the friendly Chinese Mandarin and have just tasted it in Crete not long ago. In Greek, it is said that the relationship between Imperial College and Greece is good, so there are so many Greek students.

After walking around, I found a cafe and ordered a cup of coffee for a short break. Hey, Lu Qiujian suddenly found that a man in his fifties with a curly hair next to him was holding a journal seriously. Read carefully, and the article he is devoted to research seems to be the one of Professor Dietrich It seems to have noticed that someone looked at him again, and the person looked up, and Lu Qiujian shrugged apologetically, " Sorry, I just saw someone researching Professor Dietrich's article, and I just looked at it more! "Huh? This guy is so familiar!

"It doesn't matter!" The man came generously, "Have you read this article?"

I said, why do you feel familiar? Isn't this the Brian May, the Queen's guitarist? If Bayern can defeat Chelsea to reach the finals and beat Istanbul and the winner between Eindhoven, Lv Qiujian will also hear the Queen's famous "We Are All Changping People" at the award ceremony. of!



“Hello Mr. Brian-May.” Lu Qiujian said hello, I have read more than this article! “I am from the University of Munich just like Professor Dietrich. We have had a lot of dealings with it recently. That is a scholar who loves astronomy! I am no stranger to his article!”

“Haha, have you heard my song?” Brian May asked with a smile. After receiving a positive answer, he promoted the magazine in his hand. “When I was young, I got a master’s degree in physics. When I was studying for phd. , Freddie (Queens lead singer Freddie Mercury) has been tempting me to drop out of school and form a band with him! At that time, I was sentimental to avoid defeating reason and gave up my studies, but not long ago I began to miss the Imperial College Years, so I decided to finish my doctorate! “

Chapter 298 - University contempt chain

Really wayward guy! Look at his long list of titles! Lord CBE, world famous guitarist, composer, astronomer, physicist, writer! Compared to the madness of Queen’s lead singer Freddie Mercury who had turned Princess Diana to a \*\*\*\* bar, this guy was relatively peaceful.

A while ago, he just co-authored a book called “Bang! The Complete History of the Universe” with Patrick Moore, the host of the astronomical science show “Looking Up at the Night Sky”, and astrophysicist Chris Linmark. Popular science works in the history of the universe; in the backyard of Brian May ’s house, he also built an observatory and installed a 10-inch telescope. He used portable telescopes to observe during the global tour. The starry sky has never been interrupted.

Perhaps it was because of the compilation of “Bang! The Complete History of the Universe” that he let him regain his plan to study PhD in astrophysics! “By the way, did you come to the Imperial College to exchange and study?” Brian May asked.

“Well, no, I just came to see! In addition to my Ph.D. in physics at the University of Munich, I also work part-time work at Bayern Munich. Yes, work-study work. Yes, tomorrow Bayern Munich will be at the Stamford Bridge and Chelsea Champions League The game, so I came with the team! “Lu Qiujian looked at the stunned Brian May replied.

“Are you saying that you are still playing at Bayern Munich while studying for a Ph.D.?” Because of the song “We are all Changping people”, Brian May did not mix various football games. Of course, he has not heard of it. Bayern’s name is very surprising because of this! Baidu Yixia, Hei, Yan and Brother watch the chapters without pop-ups for free

“Yeah, you see you are studying for a PhD while you are in a concert, and of course I can also read a blog while playing football! Uh, yeah, shouldn’t you be a Chelsea fan?” Lu Qiujian suddenly thought of this question Come!

“No, no, I’m not a Chelsea fan. In fact, our family supports Littlehampton Football Club! I grew up in Hampton, and of course I will support my own team!” Brian May reported a club name that only senior football manager players would have heard of.

“That’s good, if you want to see tomorrow’s game, I can send you a ticket!” Lu Qiujiang sent an invitation.

“No problem! If Bayern can make it to the finals this year, I will see if I can take my band to Istanbul to congratulate you!” Brian May repays Li!

So the two soon became enthusiastic, a world-renowned guitarist, the soul of an old rock band, and a main player of Bayern Munich. The two chatted about the latest astronomy in a cafe in the Imperial College campus of the famous British university. As physics progressed, Lu Qiujiang introduced him to the significance of Dietrich’s article, and Brian May revealed the content of his doctoral thesis to Lu Qiujiang. He planned to conduct a radial velocity analysis of the ecliptic dust cloud. Fan study.

It is true that Brian May has been out of academia for too long, and even if he is struggling, he can only catch up with the standards of ordinary students. Lu Qiujiang can’t reap too much from him; but who let Lu Qiujiang live for the whole life I really like the Queen band, so the two of them had a very pleasant conversation.

“It’s not too early, it’s time for me to go back to the hotel! Give me your phone, and I will ask someone to send the tickets to you in a moment!” Lu Qiujiang shook his phone.

“Well, I will go to the scene to cheer for you tomorrow! But the ticket shouldn’t be in the Chelsea fan zone?” Brian May is almost sixty, don’t want to be beaten by Chelsea fans.

“Of course in the Bayern Fan Zone!” Lu Qiujiang couldn’t help laughing, “Blessed are the fans sitting near you, I hope you won’t sign your hand!”

Go back to the hotel, arrange for someone to send Brian May a ticket, and then return to the room to brush for a while before going to sleep; the next day, the team took a bus to Stamford Bridge Stadium, a press release before the game At the meeting, Magath brought Lu Qiujiang and Kahn.

Mourinho was unruly, and Magath was not a docile person. The two of them fought happily at the press conference. If reporters used to be excited, but Lu Qiujiang played today, Both the “Sun” and “Team” can’t wait for them to end sooner.

At the end of the fight between the two of them, it was time for free questioning. The news officer’s voice just fell. The reporters immediately raised their hands to rush to ask questions. The news officer glanced away and clicked on the name of the Sun, hoping that this unruly Newspapers and magazines famous for gossip can cause Bayern some trouble.

“Hello, Lu, according to reliable information, you went to Imperial College yesterday. Do you want to transfer to Imperial College to study? I have to say this is a wise decision. According to the Times Higher Education World University Rankings, Empire Polytechnic is much better than the University of Munich! If you come to London, you will be welcomed by Chelsea or Arsenal! Are you saying, Mr. Mourinho?” The reporter stood up and asked a series of questions.

Ha Mourinho is happy now, but this is a good opportunity to fight opponents, nodding busy, “Yes, Chelsea very much welcome Lu’s arrival, I believe Lu will get higher income here, More honors!”

“I just go where I want to transfer, and I have no plans to transfer; the ranking of the school is not important to me, the important thing is whether it is suitable for me! I can often get the opportunity to go to CERN at the University of Munich, in the UK Not necessarily, we all know that the UK does n’t seem to be keen on providing fees for CERN! “Lv Qiujiang secretly satirized the next UK. CERN ’s funding for Germany and France are big heads, but the UK at the same level as these two countries did not come out. How many.

“Besides, the ranking of Imperial College is just like that! After all, I spent one year in Princeton in undergraduate school! If I simply pursue the school’s reputation, wouldn’t it be better to stay in Princeton?” Lu Qiujiang poured a little oil on the fire In the universities of the United Kingdom and the United States, another well-known school despise the chain. Among them, HYPSM (Harvard, Yale, Bellerton, Stanford, MIT) is located at the highest end of the contempt chain in the five prestigious schools. Only they despise others. Others are not qualified to despise them.

In the second grade is Penn University, Columbia, Oxford, Cambridge, etc., Duke, Chicago and Berkeley are in the third grade, Imperial College and Dartmouth, Cornell and so on are squeezed together in the fourth grade.

Of course this contempt chain only includes schools in the United Kingdom and the United States and the Commonwealth countries; if you zoom in to the whole world, let alone mention, the students of the higher normal school in Paris are nothing but Princeton!

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The position of this free kick is relatively biased. Lu Qiu Jian did not directly attack the goal, but Bayern can score more than him. Ma Kai is also in good shape this year. After receiving a pass from Lu Qiu Jian, he scored a header and helped Bayern get the goal. Leading, but also increased his own number of goals to eight, tied with Fanny top of the Champions League scorer list.

This ball completely consumed the spirit of the Chelsea players. Originally, their physical strength was a bit unsupported. They were all supported by a strong momentum. Now that the team is behind, their breath will be vented. Mourinho successively replaced Hut, Kežman and Robben and failed to change the situation on the field. Not only did he fail to equalize the score, but Lu Qiu built a supplementary shot before the next city.

Bayern also relied on Lu Qiu Jian's two shots and a pass to take away a victory from the road with a score of 3-1. Coupled with their current two goal difference goals and three brothers' away goals, Chelsea want to eliminate Bayern only The next match is to defeat the opponent by more than three to zero at the Munich Olympic Stadium; if Chelsea face Milan, this is still possible, but Bayern will not give them this opportunity, so after this game, Bayern Half of Munich's feet have set foot on Istanbul.

"Lu! Nice job!" When walking off the stage, Brian May in the front of the stands waved to him, surrounded by a group of Bayern fans, who seemed to recognize the emperor superstar.

"This is probably the good luck you brought me! I hope you can still cheer for me in the finals!" Lu Qiu Jian and his high-five congratulations.

"There should be no problem!" Brian May's hand hasn't retracted, he hooked his fingers, "Come on, give me your jersey, I will go to Istanbul to cheer for you!"

Taking off the jersey and throwing it to Brian May, Lu Qiu Jian's stature like an ancient Greek sculpture has caused various screams in front of the TV and female fans on the spot!

Back in the locker room, I was happy to ride in Magath, and Lu Qiu Jian proposed not to return to Munich with the team. "I want to go to Geneva to see. If there is rapid progress over there, maybe I will not participate in the next game! Question? "

“No problem! As long as you come back in the final!” Magath patted his chest. I have been in football for so many years, and if I take Bayern Munich and lose to Chelsea at home, it will be three to three, so why not retire!

“But in the final rounds of the league, don’t you take the championship with us? And if you regain the golden boots when you are away. I will also find it boring!” Ma Kai asked with his head out of concern. Not happy because of the opportunity to seize the golden boots.

“Yes, based on the current points, we are likely to win the championship in the next round of the away game! If you don’t participate in the celebration ceremony, we will feel sorry!” Kahn caught his shoulder.

“The celebration ceremony will always be held at home. I guess I should be back then? It’s the same to celebrate together!” The champion is already here anyway. But my own experiment has not been done yet! Lu Qiuqian is more clear than others.

“So good! We only have one home game in the penultimate round. You must come back at that time! We have reached the finals in the cup. You will participate in the final after the Champions League!” Bundesliga history The first Triple Crown King Albert was about to finish in his own hands, and Magath was a little excited to think about it.

London Heathrow International Airport is one of the busiest airports in the world, second only to Atlanta Hartsfield-Jackson International Airport and Beijing Capital International Airport. Lu Qiuqian went directly to the hotel without a press conference to pick up things from here Departure to Geneva.

“Lu! I didn’t expect you to make such an achievement in just a few months!” When he saw Dr. Evans, he gave a warm hug, “Your article on dark matter and Professor Dietrich in Astronomical discoveries have brought physics interest in dark matter to another peak! “

“So it is possible to conduct experiments on dark matter in advance?” Lv Qiuqian asked with a smile, if he hadn’t seen the timing, he would not rush to Geneva!

“Yeah. Although I would also like to witness the birth of dark matter at CERN, it is not enough at this time!” Evans said, spreading his hands apologetically. “You know, CERN’s most important job is still the Higgs boson. Although this particle has been found in the previous experiment, it still needs to be tested multiple times to verify. I am afraid that before the existence of the Higgs boson is statistically confirmed, there is no way to start a new experiment! “

“So how many more experiments are needed according to the plan?” Lu Qiujian also understood this long ago, and it can be seen that Dr. Evans would also like to help him. After all, how can repeated experiments be interesting in new experiments.

“I look at the recent schedule!” Dr. Evans opened the filing cabinet to find the schedule. After a while, he looked up and said, “According to this plan, more than a month of experimentation can basically meet the needs, but for reasons of stability. There are several repeated experiments that are completely unnecessary.”

“Can these be cancelled?” Lu Qiujian turned his brain to think, even if the Higgs boson experiment was over, maintenance was still required. The time it takes to maintain such a large equipment can be imagined; in case some accidents occurred during the maintenance process, and the time to start this again may just go to next year! Wouldn’t it take another year to take yourself?

“You don’t mean it I don’t mean it!” Dr. Evans shrugged. “Two of these may cause these unnecessary test plans to be cancelled. First, the existence of the Higgs boson is undoubtedly confirmed, of course we have basically done it now; second, there are new hot issues that have caused After the entire physics is away from Daxing District, and this summary problem can be solved through experiments, it is not impossible to change the experimental plan and terminate the continuous experiment of the Higgs boson in advance! “

“For example, dark matter?” Hearing Lu Qiujian’s eyes when he heard the second possibility.

“That’s it! It’s just not enough to have you and Professor Dietrich’s article! These two articles really rekindled the interest in dark matter in physics, but it was not enough to make CERN change the test plan!” Dr. Evans nodded. Said.

Yes, on the one hand, the articles of yourself and Dietrich need to be fermented. People who see these articles will always think about and verify the content, and then writing new articles will expand the impact. It will take time, so what should I do? Lu Qiujian pondered.

Chapter 300 - people network

“Then we can only guarantee that the subsequent experiments will proceed smoothly on the one hand and find the required data; on the other hand, we will push physics to shift our attention to dark matter!” Go!

“And you also have to pray that no major problems will occur during the maintenance!” Dr. Evans added, this kind of thing has not happened before, and collided before the Higgs boson experiment.

There have been accidents in the passageway, which led to the unfortunate death of several staff members, and the maintenance work of L also stalled for a while. :

“Yes! This is a big problem!” L is the largest machine made by mankind at present, and represents the highest technological level that mankind can reach at present. Everyone knows that new things are always very fragile. It’s normal! At this point, Lu Qiujian felt a headache for a while!

“If you stay in ern next time, it is estimated that our work will be much smoother? The probability of equipment problems can also be smaller!” Dr. Evans threw the bait, although it was only using the sample test method, the residual The staff is basically the same as the original team, but the process of the subsequent experiments has not been as smooth as when Lu Qiu was built.

“I try my best, but I don’t dare to guarantee the exact time! You know, Professor Xuft still has work! And I’m also writing some papers on dark matter recently.” There is also the Bayern Munich competition and controlled nuclear fusion Research, these are all work that takes a lot of time and can’t be delayed!

“You can also guide the subsequent experimental work while completing the experimental plan for dark matter exploration!” Dr. Evans continued to induce, “If there is a perfect and highly feasible exploration plan, it is presumed that the senior executives of ern will also change their own Is it planned? Just as they changed the test plan because of Higgs before! “

“Of course, this is exactly what I intend to accomplish recently!” Even if Dr. Evans did not say this, Lu Qiujian would take the initiative.

“Very good! You go to rest for one night, and we will start normal work tomorrow!” Dr. Evans is extremely pleased to think about the Higgs boson has been discovered under his own leadership, if you can continue to discover In the case of dark matter, there is no regret in my research career! Maybe in the future physical history. His position among experimental physicists will climb to the same level as Fermi!

Go back to the room, turn on the laptop, and browse the news first. Mourinho really criticized the referee after the game and blamed Chelsea’s defeat on the referee! Hey, the coach’s coaching level is nothing to say, but unfortunately his temper and mouth are really too much. So even though he later achieved good results in Chelsea, Real Madrid and Inter Milan, he always couldn’t get much better!

After reading the news, he logged in to rv again and simply posted all the articles about dark matter he wrote during this time. The articles published here are much faster than journals! It is also good

to create some influence earlier! In addition, he also talked about picking out the most important articles and sending them by email to Witten, Higgs, Hawking, Weinberg and other top physicists who have dealt with before!

If they can agree with their articles and support themselves. There are so many authoritative figures in the physical world backing up. Presumably ern will be moved by it! After all, peer review is also one of the important reasons that affect their decision-making.

The Internet born in ern provided too much convenience for scientists to communicate. Soon after Lu Qiujian sent his emails, diligent scientists such as Hawking, Higgs, and Witten opened the mailbox. If it was put in the past, I am afraid that they can only communicate by fax, email, or directly calling people to communicate. In the Internet era, scientists have much more convenient communication. One computer and one network cable, they can Discussing and debating with colleagues from all corners of the world, the spark of thought has collided countless times on the Internet, pushing various disciplines such as mathematics, physics, and chemistry to advance rapidly. A series of scientific and technological achievements were born.

Lu Qiujian's relationship network that he began to weave after arriving at Princeton played a huge role at this moment. When Higgs and others saw the mail he sent, they immediately chose to download and browse; of course, this is also He has already proved the reason of his strength before. If he has not made any convincing achievements in the scientific community, then they will not have the urge to understand the content of his article in the first time.

"Another paper on dark matter?" Higgs has been very happy recently, hoping that the power of more than forty years will be realized at once; although the Higgs mechanism is not yet perfect, there are still singularity failures and must The introduction of dark energy can be used to explain the universe and other reasons, but it still cannot deny its greatness. Only because it does not conform to the aesthetics of physicists, did it not obtain the same status as the wide-phase field theory and Yangmi theory.

Despite being in his seventies, Higgs has not given up tracking the frontiers of physics. In addition to continuing to improve the content of the Higgs mechanism, he is also full of curiosity in other fields; he has also read the articles about dark matter by Lu Qiujian before ~ [www.mtlnovel.com](http://www.mtlnovel.com) ~ There are still many doubts in my heart, see now There is another article that can't be bothered, and it will look like it when the download is over.

"I never think that dark matter is the original matter of our universe. The essence of dark energy and dark matter is the gravitational force transmitted to our universe by other universes. Because gravitational energy can spread to other dimensions than the fourth dimension, gravity can leave our universe and reach other Universe. "Stephen Hawking mumbled while reading Lu Qiujian's article,



huh? Would you like to make a bet with him? Just bet that humans cannot find dark matter in the experiment!

At the Princeton Institute for Advanced Study, the regular afternoon tea exchange time, the new article sent by Lv Qiujian became the topic of their exchanges, Witten, Dyson, Maldacina, Goldridge and Adler and others There was a lively discussion.

They are divided into two groups, one group supports Lu Qiujian's article, and the other group believes that his theory is nothing more than a fantasy, and there is no dark matter particle in the universe that matches his description.

Both sides hold their own words and list all kinds of evidence to refute the opponent's \*\*\*\* words. After a long argument, Dyson patted the table, "Hey, according to his description, l's experiment can fully confirm his point of view, then why don't we Wait until the experiment is over!