

# 学术圈知情人

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## CMS合作组回应清华大学物理系2022年的一则科研进展

小滕

小编之前看到新语丝上的一则帖子“[揭露清华大学物理系虚假宣传科学发现](#)”。由于新语丝网站被大陆屏蔽，我将贴子内容引述如下

揭露清华大学物理系虚假宣传科学发现

方博士您好，

我揭发一起非常新颖的学术造假。近日清华大学物理系发布新闻“*CMS*合作组世界首次发现全粲四夸克粒子家族，中国团队起主导作用”，并被国内科学媒体广泛报道。这是个假新闻。

<https://www.phys.tsinghua.edu.cn/info/1178/5214.htm>

*CMS*是欧洲核子中心（*CERN*）的大型强子对撞机（*LHC*）上的高能物理实验，合作组有数千人。清华大学是*CMS*合作组成员。*CMS*的科学发现由合作组内部审核，批准，然后以合作组名义发布。（类似的大项目有引力波实验，个人不能瞒着实验组偷偷向媒体宣布自己发现了引力波。）

清华大学新闻中的图并不是假的，它出自CMS合作组的最近公开的一个“初步结果” <https://cms-results.web.cern.ch/cms-results/public-results/preliminary-results/BPH-21-003/index.html>

(清华新闻中有这个链接)

<https://cds.cern.ch/record/2815336>

这个结果的科学意义，如同*title*和*summary*所说，是看到几个新的“峰”（其中一个已经被其他实验看到）。CMS的文本中没有提到任何“世界首次发现”或“全粲四夸克粒子家族”云云，也没有发布任何新闻宣传这个结果（因为这个结果的可靠性和科学意义还不明朗。）也就是说清华大学瞒着CMS，但是以CMS的名义，在中文世界宣布重大发现，虚假宣传其科学意义。所以我说这是一种新颖独特的学术造假。

一面之词不足为凭。如果您感兴趣的话，请向CMS合作组求证，并将求证结果公之于众。我和我的几个同事害怕打击报复，所以不敢公开揭露。

上文两个链接中都有联系方式，如下

[cms-publication-committee-chair@cern.ch](mailto:cms-publication-committee-chair@cern.ch)

[cms-pag-conveners-bphysics@cern.ch](mailto:cms-pag-conveners-bphysics@cern.ch)

(XYS20220801)

这则帖子除了发帖人表达自己的观点外还请求方博士<sup>1</sup>向CMS合作组求证。看到还没有热心人做这件事，小编就volunteer一下，按照帖子提供的email地址给CMS发了邮件；见附件。以下是CMS的回应（小编将其翻译成了中文），经其同意公布。

感谢您对我们工作的关注。

我们认为您所提及的新闻报道内容并无任何夸大或违反规定之处。

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<sup>1</sup>很巧，本站的一个志愿者也姓方，不过她是一个女博士。

我们确认该报道真实反映了这些四夸克态观测结果的重要性，且相关初步成果已于2022年7月9日在ICHEP国际会议上由易凯教授公开发布，次日（7月10日）对成果进行宣传完全合规。

我们同时确认，上述研究中提到的中国团队在该领域开创了先河，并在后续分析中持续发挥着引领作用。现向您提供两项已发表研究的范例，分别发表于《自然》和投稿于《科学进展》：

CMS合作组. 全粲四夸克自旋与宇称的测定. 《自然》 648卷, 58–63页 (2025). <https://doi.org/10.1038/s41586-025-09711-7>

全粲四夸克家族系的观测 *arXiv:2602.02252 [hep-ex]*

<https://doi.org/10.48550/arXiv.2602.02252>

（已投稿至《科学进展》）。

此致

敬礼

CMS出版委员会主席及副主席

([cms-pubcomm-coordinators@cern.ch](mailto:cms-pubcomm-coordinators@cern.ch))

最后，小编就发帖人的这句话“我和我的几个同事害怕打击报复，所以不敢公开揭露。”做个评论：正确的事大胆去做，质疑的事鼓励去做，造谣诽谤的事坚决不做。这种质疑合情合理合法，完全可以公开质疑。做科学研究的人要有骨气，坚持真理，不怕牺牲。

不怕牺牲是小编对自己说的。

# 附件

## Re: query on a piece of released news

Dear Teng,

thank you for the interest in our work.

We do not see any exaggeration nor any violation of rules in the piece of news you point to.

We confirm that it reflects the reality and the importance of the observation of these tetraquark states, and that it was perfectly fine to advertise the preliminary results on July 10 2022, after they had been made public the day before, when they were presented at the ICHEP International Conference by Prof. Kai Yi.

We can also confirm that the mentioned Chinese groups have pioneered these studies and have continued playing a leading role in the followup analyses. We point you to two examples of analyses which have been published in Nature and submitted for publication to Science Advances, respectively:

The CMS Collaboration. Determination of the spin and parity of all-charm tetraquarks. Nature 648, 58–63 (2025). <https://doi.org/10.1038/s41586-025-09711-7>

Observation of a family of all-charm tetraquarks arXiv:2602.02252 [hep-ex]

<https://doi.org/10.48550/arXiv.2602.02252>

Submitted to Science Advances.

Best Regards

Chair and Deputy Chair of the CMS Publication Committee

[cms-pubcomm-coordinators@cern.ch](mailto:cms-pubcomm-coordinators@cern.ch)

On 05.03.26 11:42, Academia Insider wrote:

Dear CMS committee chair,

I am a volunteer of a website Academia Insider ([academiainsider.org](http://academiainsider.org)), my name is Teng.

The website mainly reports/discloses events of Chinese academia.

On July 10, 2022, a piece of news was released at Tsinghua University

(<https://www.phys.tsinghua.edu.cn/info/1178/5214.htm>) attached is English translation of the content (feel free to translate via ChatGPT by yourself). May I consult two questions?

1. Does the news exaggerate the role played by the Chinese team?
2. I am aware from <https://cms-results.web.cern.ch/cms-results/public-results/preliminary-results/BPH-21-003/index.html> that preliminary results were announced in July, 2022 and the first version of final results was submitted to arXiv on 12 Jun 2023 (<https://arxiv.org/abs/2306.07164>).

It seems that Tsinghua team was rushing to disclose the research results. Was Tsinghua team authorized by the CMS to release preliminary-results?

Feel free to tell us more on Chinese team's contribution to the collaboration. Thank you for your time.

Sincerely yours

学术圈知情人

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