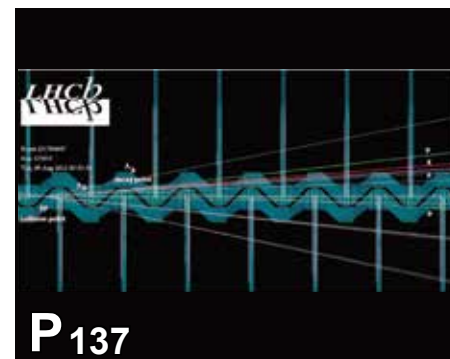


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The experimental observation of long-sought-after pentaquark states raises new questions on matter structure and the strong force, the least understood among the four fundamental forces in nature.

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### Cover Story:

Researchers from China established a new way to investigate the sugar molecules on cell surface, which earned the team leader the 2020 Tan Kah Kee Young Scientist Award in Chemical Science.

This issue features a mosaic presentation of all winners for Tan Kah Kee Science Awards as well as Tan Kah Kee Young Scientist Awards as released on August 28, and highlights 11 indigenous innovative achievements accomplished by the respective awardees. The story starts on page 135.

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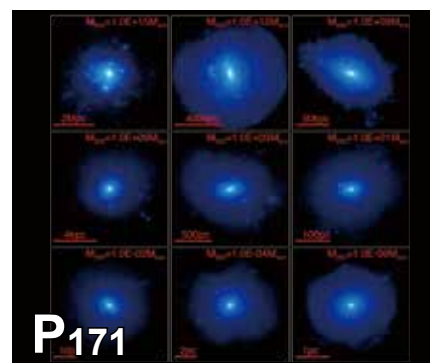
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Are the soil cracks mostly in square shape, or hexagon? To answer it, a young scientist embarked on the road of ‘mud-playing’ around two decades ago and has made plenty of interesting discoveries.



The world’s first nuclear power stainless steel giant ring (15.6 m in diameter) in one piece was manufactured by a new forging technology developed by researchers from the CAS Institute of Metal Research (IMR).



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