

In This Issue

SPECIAL: CAS AT 70



(Image by IHEP)

To celebrate its 70th birthday, the Chinese Academy of Sciences (CAS) reviews its development and picks out 40 milestone S&T achievements and hallmark advances scored by its scientists over the past 40 years, as a salute to the Opening-up and Reform of China. *BCAS* is presenting part of them in installments. Please turn to page 195 for detail.

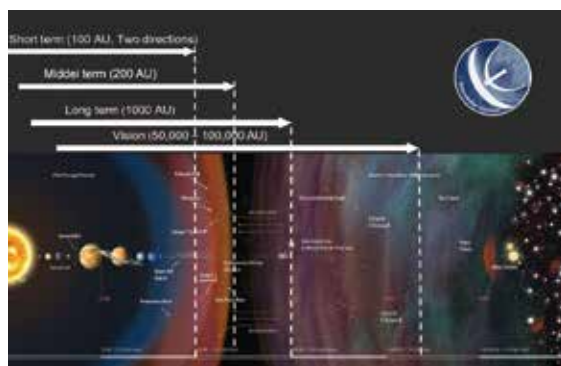
INFOCUS|ASTRONOMY

Possible Successor to Voyagers

Voyagers, the first and the only mission sent by human beings beyond the end of the solar wind, might be out of service in just several years. In the cosmos beyond 2025, very likely no artificial detector will be flying at the outer brim of the solar system.

The Interstellar Express, a mission proposed by CAS scientists, might come timely as a possible successor to fill in the gap. Unlike Voyagers, its detectors are expected to fly not only to the nose part of the heliosphere, but also the tail part and the altitude dimension. As planned in the short-term stage of its three-step layout, the first two detectors will be launched by the end of 2025, if everything goes well.

Read more on page 226.



(Image by NSSC)

PERSPECTIVE|WOMEN IN SCIENCE

Help Those Missing from the Table



(Image by UN)

The widespread application of new technologies, while empowering women with new opportunities, might also put them at disadvantage. For example, in comparison with males, the application of AI might be more likely to cost them their jobs. Meanwhile, women are missing out the opportunity to participate in the policy-making process – they are absent from the table.

If no change is made in the current policies, we will miss the goal to achieve gender equality, the fifth of the 17 Sustainable Development Goals set for UN's 2030 Agenda for Sustainable Development, warned elite women scientists with the Organization for Women in Science for the Developing World (OWSD). What shall be done now? How can we make a difference? They are in action to help.

Read more on page 230.