

# Press Releases

## A COSMIC RAY DETECTOR ON THE AMERIGO VESPUCCI WILL SAIL THE SEAS OF THREE CONTINENTS



A small INFN apparatus for detecting cosmic rays, the shower of particles that constantly hits us from space, set sail on October 7, from Darwin, Australia. Hosting it was the Amerigo Vespucci, a training ship of the Navy, an ambassador of Made in Italy in the world, currently engaged in the World Tour. On board the ship, INFN's detector will be able to explore very different geomagnetic field regions and measure the flux of cosmic rays as the Earth's latitude changes. Indeed, the route involves

passing through the equator in the Jakarta region, where the geomagnetic field is more intense than its average value on Earth, so a reduction in the flux of cosmic rays reaching the Earth's surface should be observed, since they largely consist of charged particles. The historic sailing ship, which departed from Genoa on 1 July 2023, will dock in the ports of Singapore, Belawan, Phuket, Mumbai, Karachi, Doha, Abu Dhabi, Muscat, Jeddah, and Alexandria, Egypt, in the coming months before concluding its journey in Genoa on 10 June 2025.

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