



The five shuttles on this patch radiate outward, pushing the boundaries of “Exploration, Engineering, Science, Transportation and Cooperation.” The patch also features the Hubble telescope, a satellite, the SpaceLab, an astronaut in a space suite, and the International Space Station. The Department of Defense is represented by an eagle, two gold shuttles and 14 gold stars honor Challenger, Columbia and their crew members, and 134 white stars represent each shuttle mission.

The artist wrote, “The three vertical stripes comprised of the American flag leading to the silver star signify America’s commitment to the continuation of future human endeavors in space.”



STS133-S-001 (June 2010, Revised January 2011) --- The STS-133 mission patch is based upon sketches from the late artist Robert McCall; they were the final creations of his long and prodigious career. In the foreground, a solitary orbiter ascends into a dark blue sky above a roiling fiery plume. A spray of stars surrounds the orbiter and a top lit crescent forms the background behind the ascent. The mission number, STS-133, is emblazoned on the patch center, and crewmembers' names are listed on a sky-blue border around the scene. The Shuttle Discovery is depicted ascending on a plume of flame as if it is just beginning a mission. However it is just the orbiter, without boosters or an external tank, as it would be at mission's end. This is to signify Discovery's completion of its operational life and the beginning of its new role as a symbol of NASA's and the nation's proud legacy in human spaceflight.

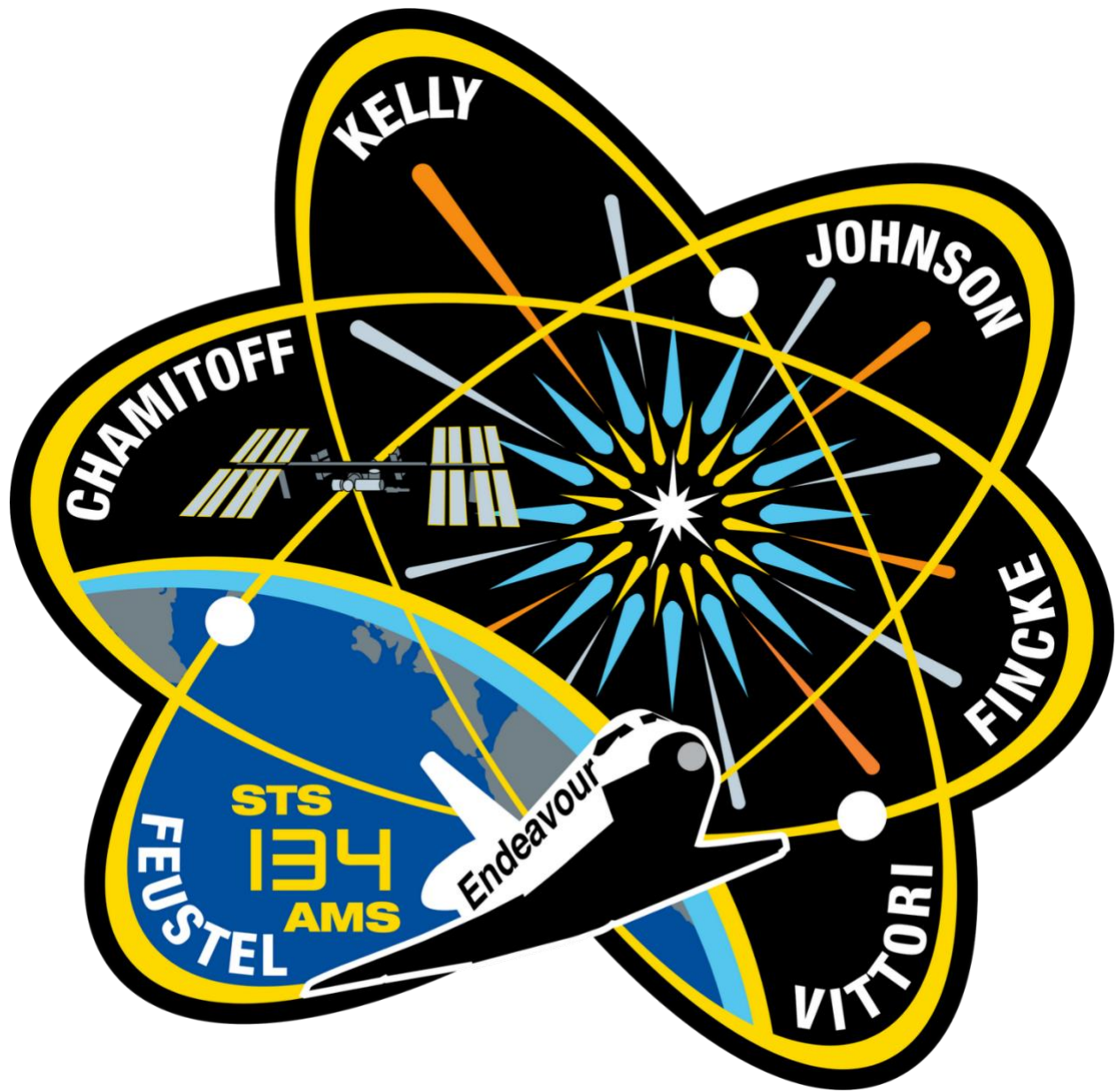


STS129-S-001 (June 2009) --- For STS-129 the sun shines brightly on the International Space Station (ISS) above and the United States below representing the bright future of U.S. human spaceflight. The contiguous U.S., Rocky Mountains, and Great Desert Southwest are clearly visible on the earth below encompassing all the NASA centers and the homes of the many dedicated people that work to make our Space Program possible. The integrated shapes of the patch signifying the two Express Logistics Carriers that will be delivered by STS-129 providing valuable equipment ensuring the longevity of the ISS. The Space Shuttle is vividly silhouetted by the sun highlighting how brightly the Orbiters have performed as a workhorse for the U.S. Space Program over the past 3 decades. The Space Shuttle ascends on the Astronaut symbol portrayed by the Red, White and Blue swoosh bounded by the gold halo. This symbol is worn with pride by this U.S. crew representing their country on STS-129. The names of the crew members are denoted on the outer band of the patch. As STS-129 launches, the Space Shuttle is in its twilight years. This fact is juxtaposed by the 13 stars on the patch which are symbolic of our children who are the future. The Moon and Mars feature predominantly to represent just how close humankind is to reaching further exploration of those heavenly bodies and how the current Space Shuttle and ISS missions are laying the essential ground work for those future endeavors.





STS128-S-001 (April 2009) --- The STS-128 patch symbolizes the 17A mission and represents the hardware, people and partner nations that contribute to the flight. The Space Shuttle Discovery is shown in the orbit configuration with the Multi Purpose Logistics Module (MPLM) Leonardo in the payload bay. Earth and the International Space Station wrap around the Astronaut Office symbol reminding us of the continuous human presence in space. The names of the STS-128 crew members border the patch in an unfurled manner. Included in the names is the expedition crew member who will launch on STS-128 and remain on board ISS, replacing another Expedition crew member who will return home with STS-128. The banner also completes the Astronaut Office symbol and contains the U.S. and Swedish flags representing the countries of the STS-128 crew.



25th and last spaceflight of Space Shuttle *Endeavour*. The design of the STS-134 crew patch highlights research on the International Space Station focusing on the fundamental physics of the universe. On this mission, the crew of Space Shuttle Endeavour will install the Alpha Magnetic Spectrometer (AMS) experiment - a cosmic particle detector that utilizes the first ever superconducting magnet to be flown in space.

The shape of the patch is inspired by the international atomic symbol, and represents the atom with orbiting electrons around the nucleus. The burst near the center refers to the big-bang theory and the origin of the universe. The Space Shuttle Endeavour and ISS fly together into the sunrise over the limb of Earth, representing the dawn of a new age, understanding the nature of the universe.