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Accomplishments of the Fundamental Physics in Space Program over the last 15 years

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As we are standing at the beginning of the International Space Station (ISS) era, it seems appropriate to review the accomplishments that has taken place over the last 15 years in the fundamental physics program. The program was originated in the low temperature physics area, spending much of its early resources on developing techniques to study critical point phenomena at unprecedented resolution in a space environment. A number of trailblazing accomplishments achieved early in this program will be highlighted and discussed in detail. These achievements helped to establish this discipline as a viable space research program and resulted in program growth and expansion into new research areas. Research is currently being performed in low temperature physics, in laser cooling and atomic physics, in gravitational physics, and in biological physics. A detailed account of accomplishments in these wide ranging fields will be presented along with a discussion of potential accomplishments in these research fields once the ISS is fully operational.

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