



Stanley S. Hertzbach Papers

1977-2002

1 box, 6 vols. (1 linear foot)

Call no.: FS140

Collection overview

A particle physicist educated at Johns Hopkins (PhdD, 1965), Stanley S. Hertzbach joined the Physics faculty at UMass Amherst in 1965 and took part in high-energy experimental work at Brookhaven, the CERN ISR, the Cornell electron synchrotron, and, beginning in 1979, at the SLAC National Accelerator Laboratory (Stanford Linear Accelerator Center). With his colleague Richard Koffler, Hertzbach joined the SLD collaboration at SLAC in 1986 studying Z particles, and the BaBar (B Meson) group in 1994. A major contributor to the SLD "beamline group," Hertzbach took part in the BaBar calorimeter beam test and in testing of its calorimeter modules. He was an active member of the SLD advisory group and chaired the SLAC Users Organization (SLUO) in the 1990s. Hertzbach's contributions to UMass included service on several committees relating to student achievement, including a stint as Undergraduate Advising Dean of the College of Natural Sciences and Mathematics. Hertzbach retired from UMass in 2009.

The Hertzbach collection consists of two distinct parts: six laboratory notebooks kept while conducting research at SLAC (1987-2002), and approximately 0.5 linear feet of records from university committees on which Hertzbach sat (e.g. the Space and Calendar, 1977-1983).

See similar SCUA collections:

[Science and tecnologia](#)[UMass \(1947- \)](#)[UMass faculty](#)

Background on Stanley S. Hertzbach

The particle physicist Stanley S. Hertzbach joined the faculty at UMass Amherst in 1965 after receiving his doctorate at Johns Hopkins for "The experimental determination of the branching ratios for the decay of the ρ , ω , and ϕ mesons into lepton pairs." He participated in high-energy experimental work at Brookhaven National Laboratories, the CERN hadron collider, the Cornell electron synchrotron, and, beginning in 1979, at the SLAC National Accelerator Laboratory (Stanford Linear Accelerator Center).

With his colleague Richard Koffler, Hertzbach joined the SLD collaboration at SLAC in 1986 studying Z particles,

and the BaBar (B Meson) group in 1994. Within the SLD collaboration, which worked toward a Next Linear Collider from the standpoint of the machine and detector technologies, Hertzbach became a major contributor to the "beamline group," and he took part in the BaBar calorimeter beam test and in testing of its calorimeter modules. He was an active member of the SLD advisory group and chaired the SLAC Users Organization (SLUO) in the 1990s.

Hertzbach's contributions to UMass included service on several committees relating to student achievement, including a stint as Undergraduate Advising Dean of the College of Natural Sciences and Mathematics. Hertzbach retired from UMass in 2009.

Scope of collection

The Hertzbach collection consists of two distinct parts: six laboratory notebooks kept while conducting research at SLAC (1987-2002), and approximately 0.5 linear feet of records from university committees on which Hertzbach sat. The records for the Space and Calendar, 1977-1983, are focused primarily on the struggle within the university to accommodate religious holidays in the academic calendar.

Inventory

| SLAC Laboratory notebooks | 1986-2002 | 6 vols. |
|--|------------------|----------------|
| SLAC notebook | 1986-1987 | |
| SLAC notebook | 1987-1990 | |
| SLAC notebook | 1988-1989 | |
| SLAC notebook | 1987-1988 | |
| SLAC notebook | 1990-1999 | |
| SLAC notebook | 1998-2002 | |
| UMass committee work | 1977-1986 | |
| Faculty Senate | 1983 Mar. 17 | |
| Space and Calendar Committee | 1977-1983 | |
| Space and Calendar Committee | 1978-1986 | |
| Space and Calendar Committee | 1980-1982 | |
| Space and Calendar Committee (Rosh Hashanah) | 1981-1983 | |
| Space and Calendar Committee | 1982-1983 | |

Administrative information

Access

The collection is open for research.

Provenance

Gift of Stanley S. Hertzbach, 2009 (2009-170).

Processing Information

Processed by I. Eliot Wentworth, Feb. 2013.

Language:

English

Copyright and Use [\(More information](#))

Cite as: Stanley S. Hertzbach Papers (FS 140). Special Collections and University Archives, University of Massachusetts Amherst Libraries.

Search terms

Subjects

- B mesons.
- Nuclear physics.
- Springdale Cemetery (Peoria, Ill.).

Contributors

- Hertzbach, Stanley S. **[main entry]**

Genres and formats

- Laboratory notes.

Link to similar SCUA collections

[Science and technology](#)

[UMass \(1947- \)](#)

[UMass faculty](#)